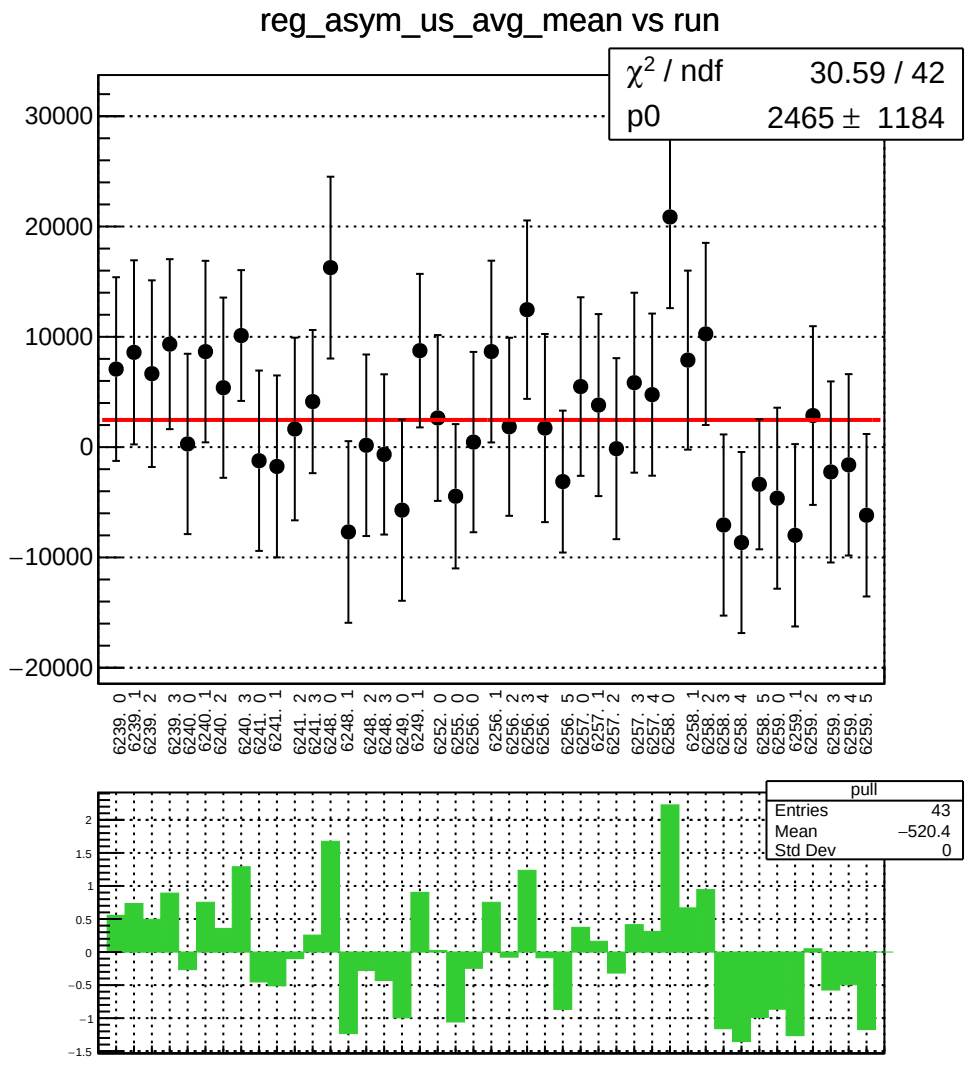
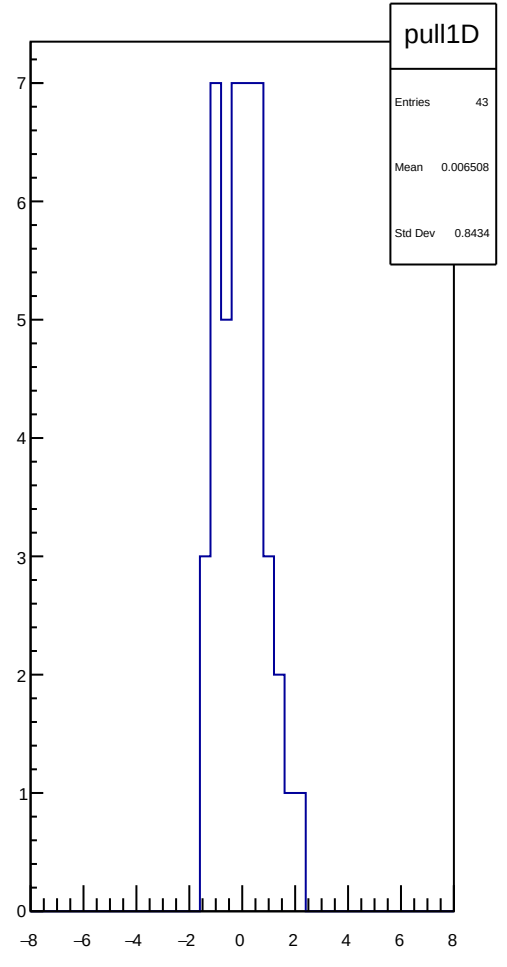
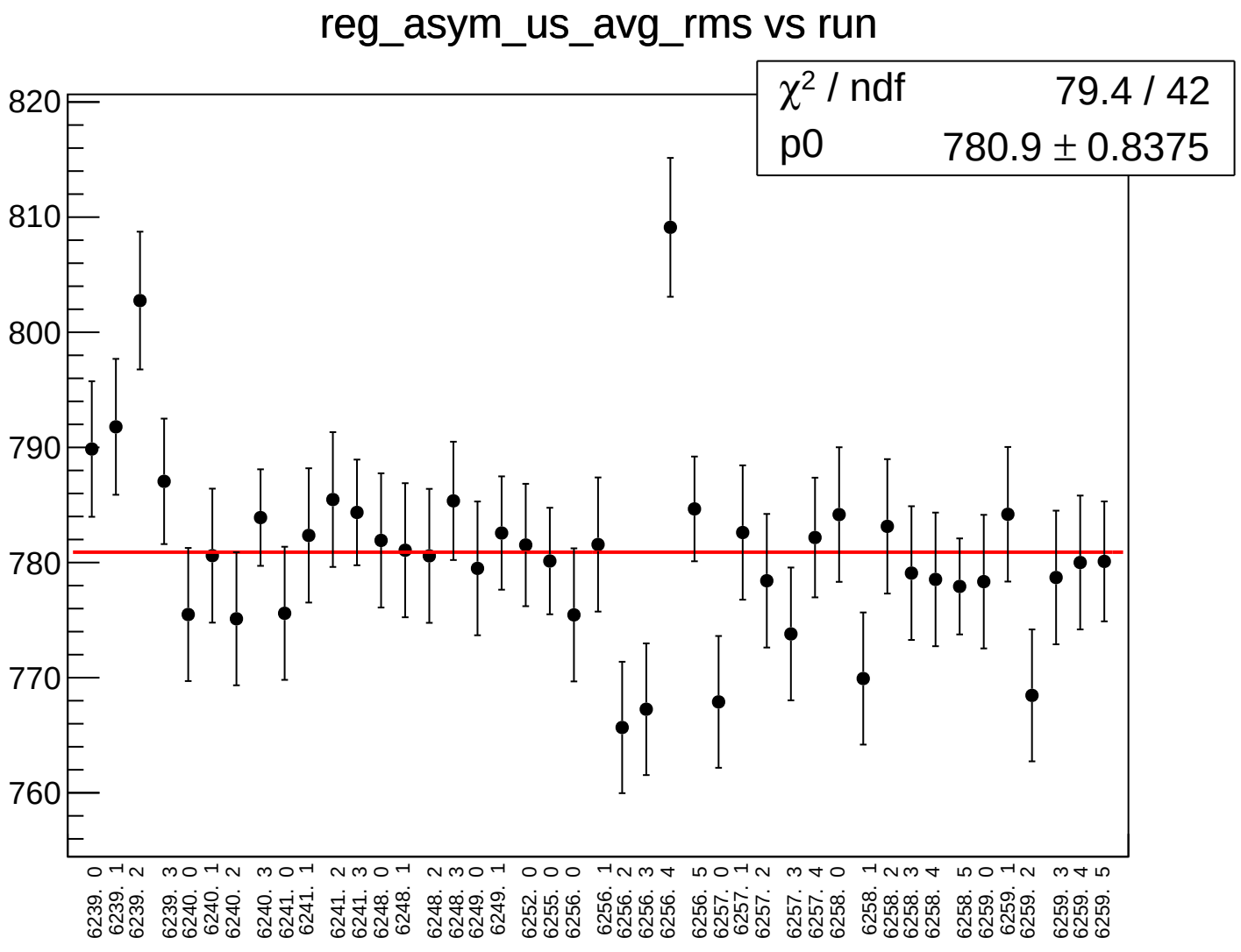
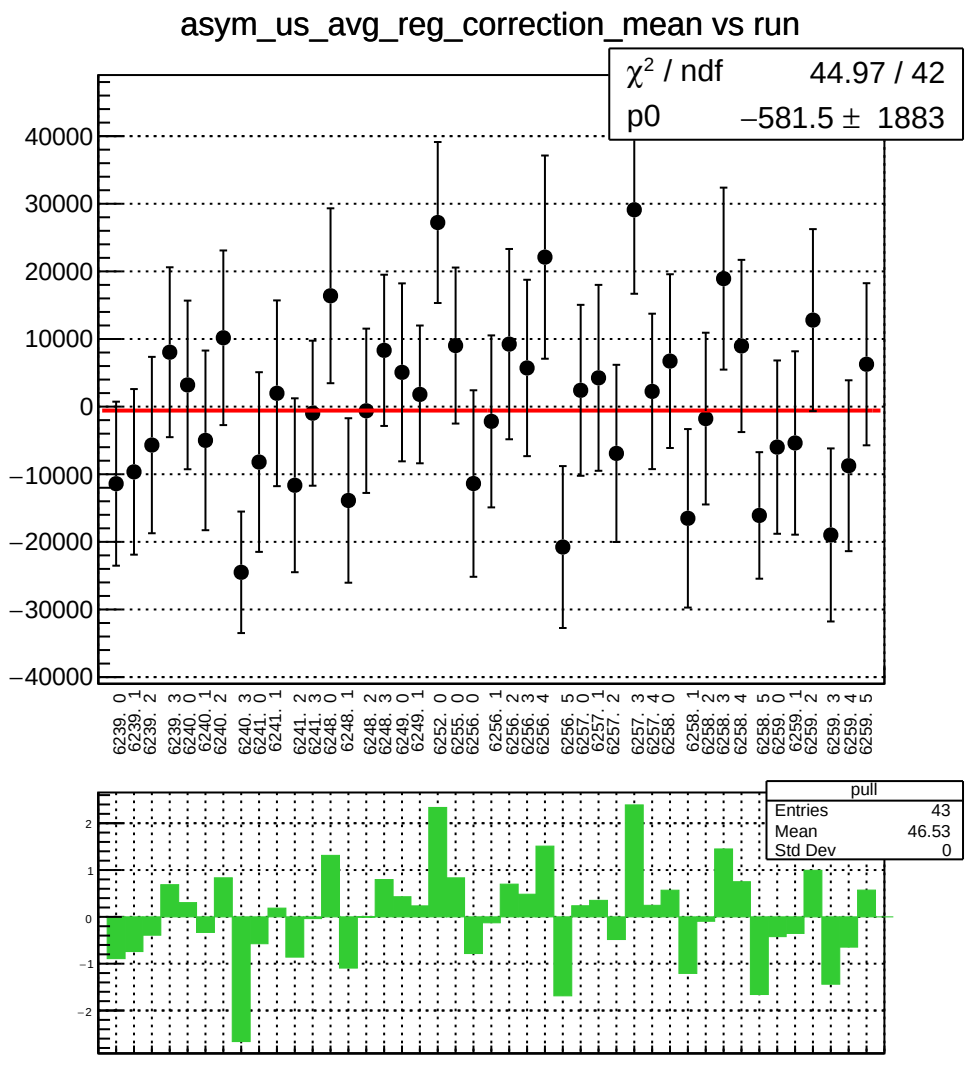
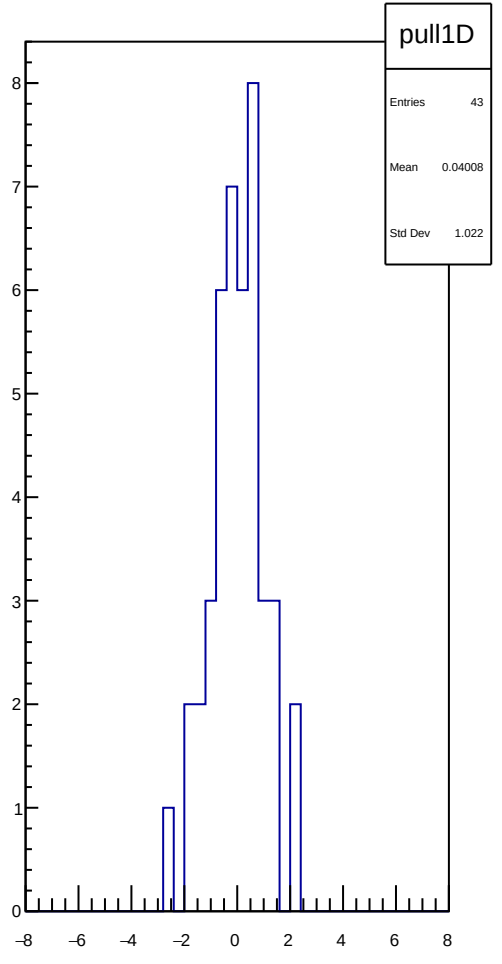
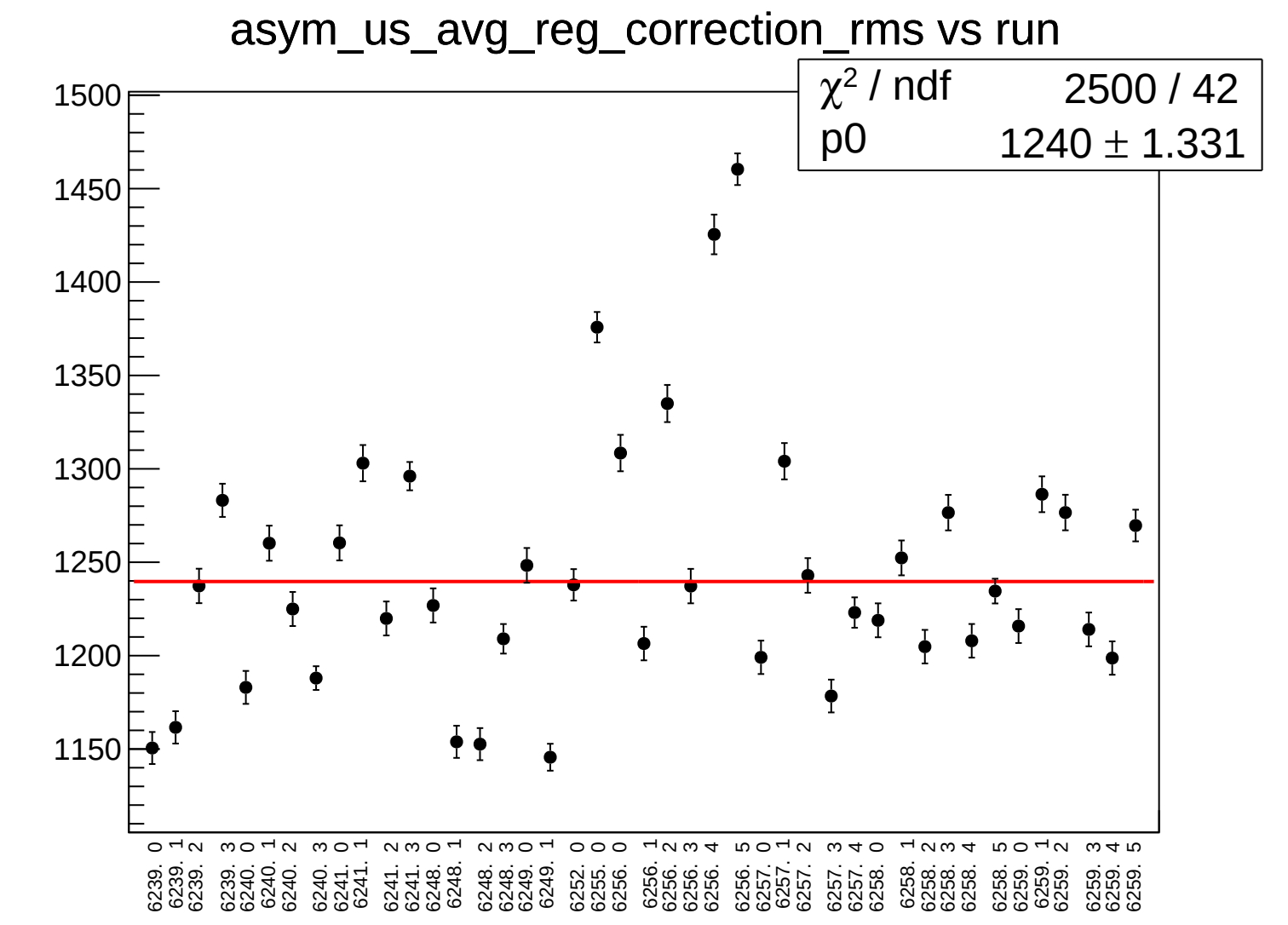

reg_asym_us_avg_mean vs run
χ² / ndf 30.59 / 42
p0 2465 ± 1184
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −520.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

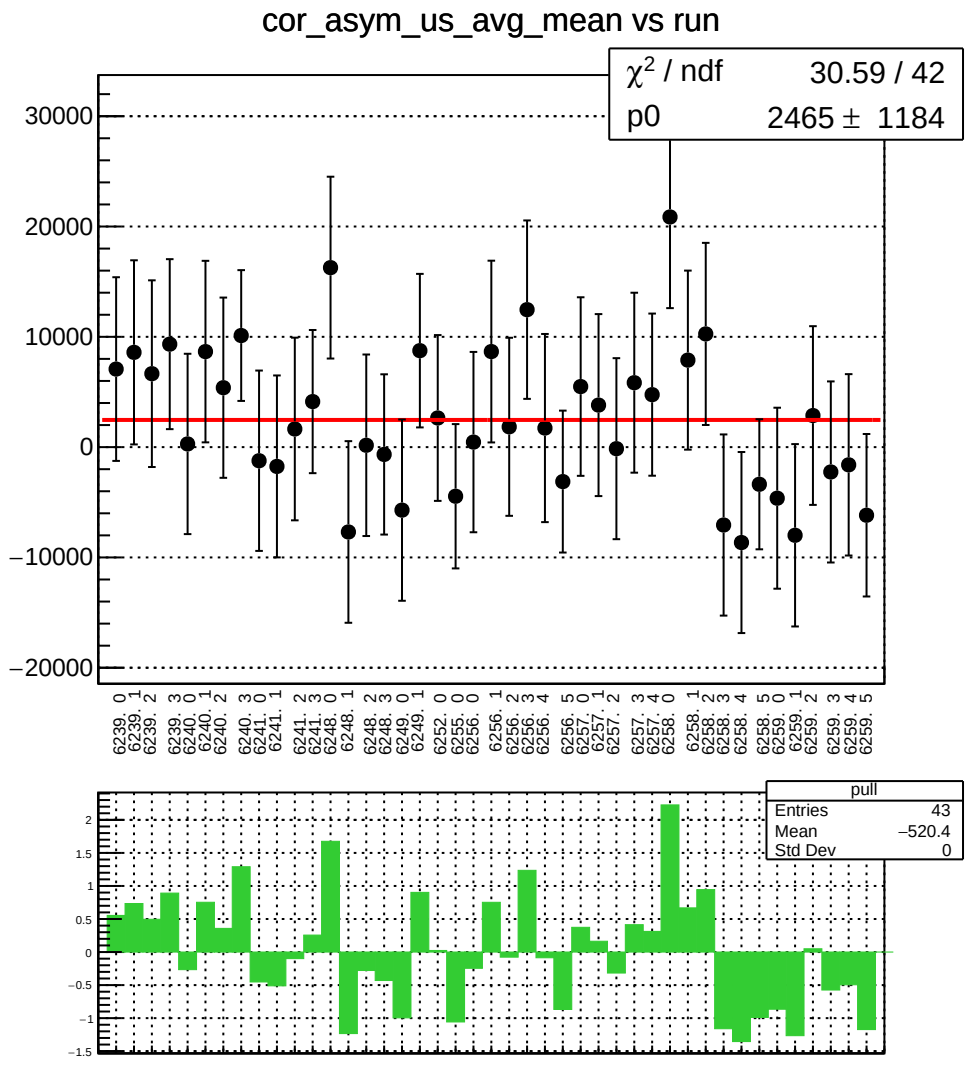

pull1D
Entries 43
Mean 0.006508
Std Dev 0.8434
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

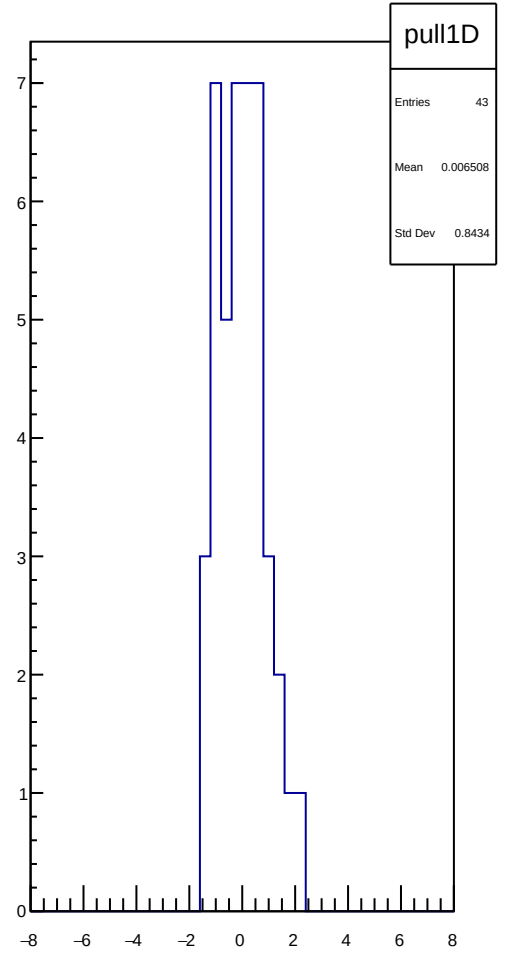

reg_asym_us_avg_rms vs run
χ² / ndf 79.4 / 42
p0 780.9 ± 0.8375
820
810
800
790
780
770
760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

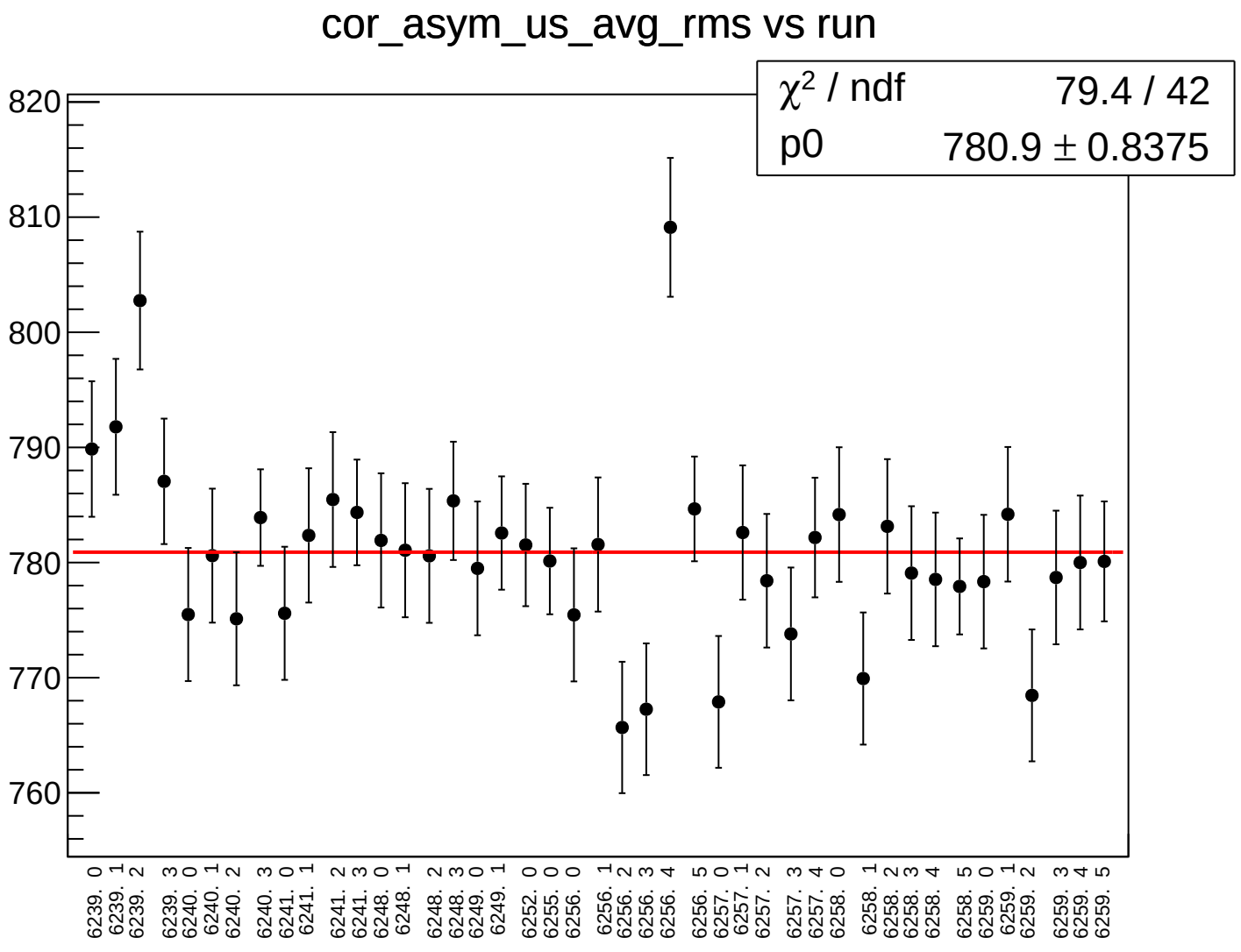

asym_us_avg_reg_correction_mean vs run
χ² / ndf 44.97 / 42
p0 −581.5 ± 1883
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.53
Std Dev 0
2
1
0
−1
−2

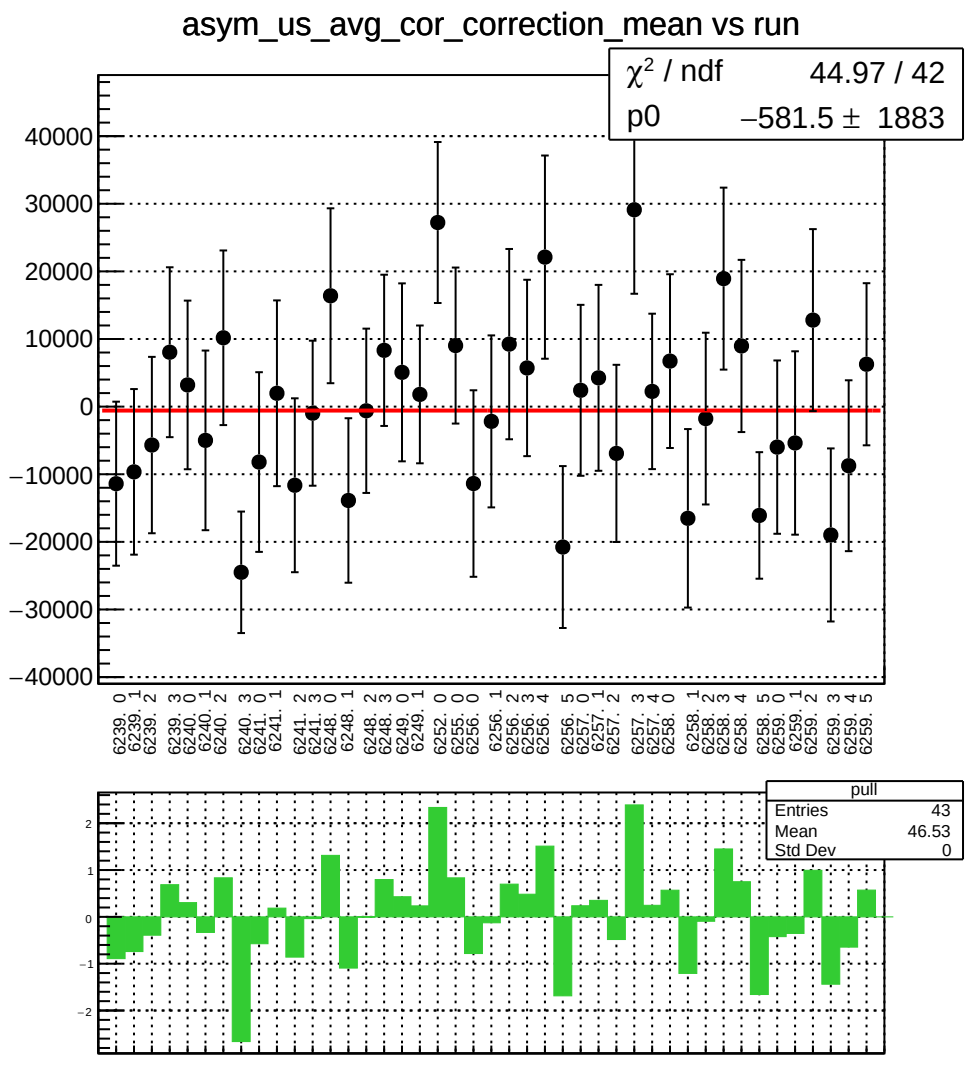

pull1D
Entries 43
Mean 0.04008
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

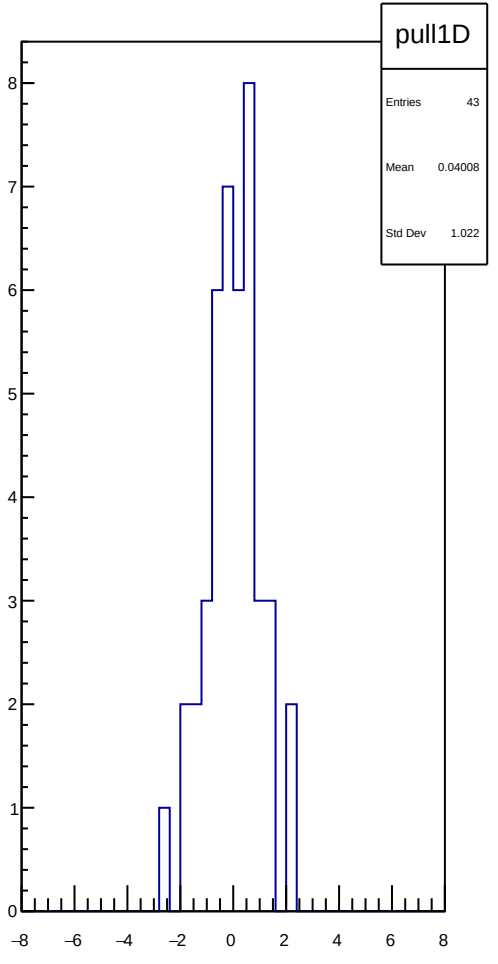

asym_us_avg_reg_correction_rms vs run
χ² / ndf 2500 / 42
p0 1240 ± 1.331
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

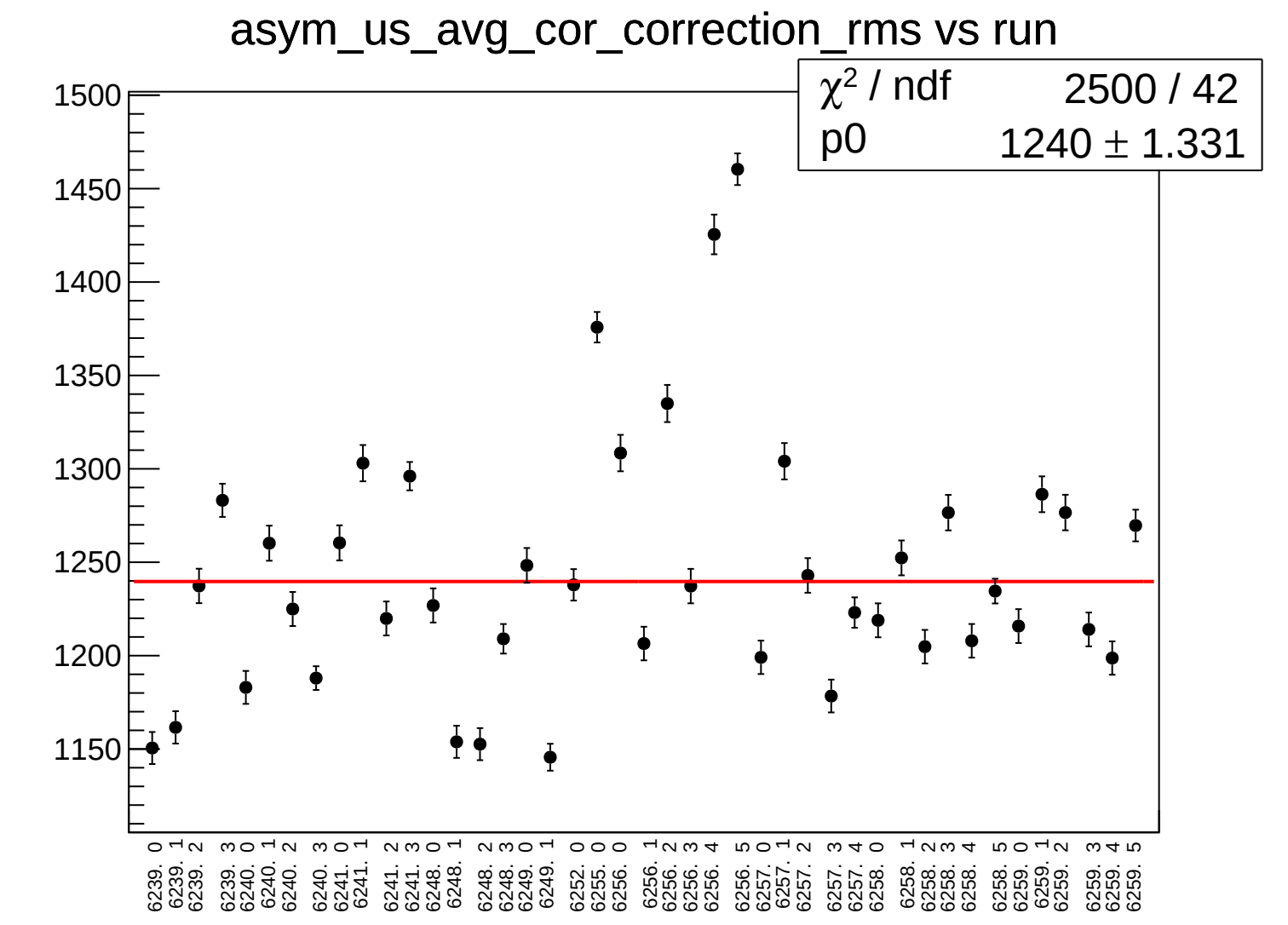

cor_asym_us_avg_mean vs run
χ² / ndf 30.59 / 42
p0 2465 ± 1184
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −520.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

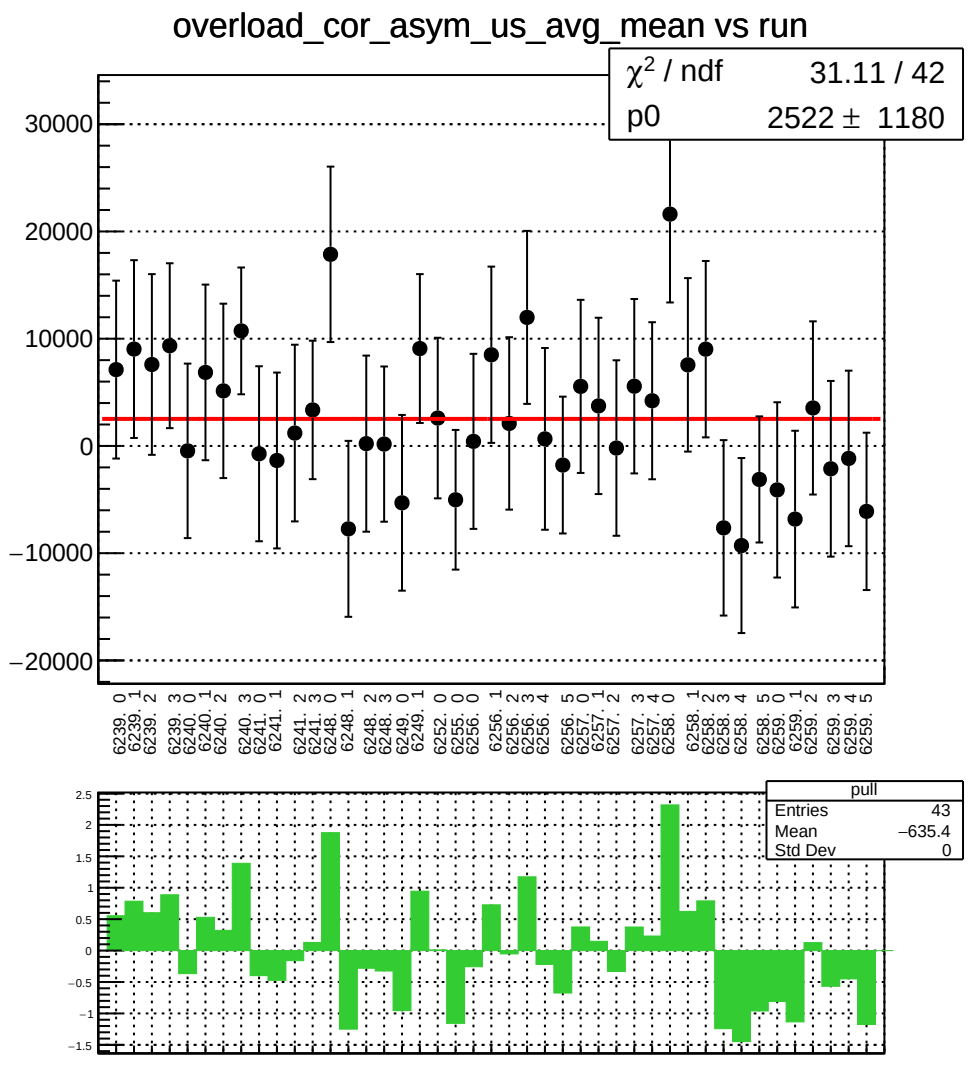

pull1D
Entries 43
Mean 0.006508
Std Dev 0.8434
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

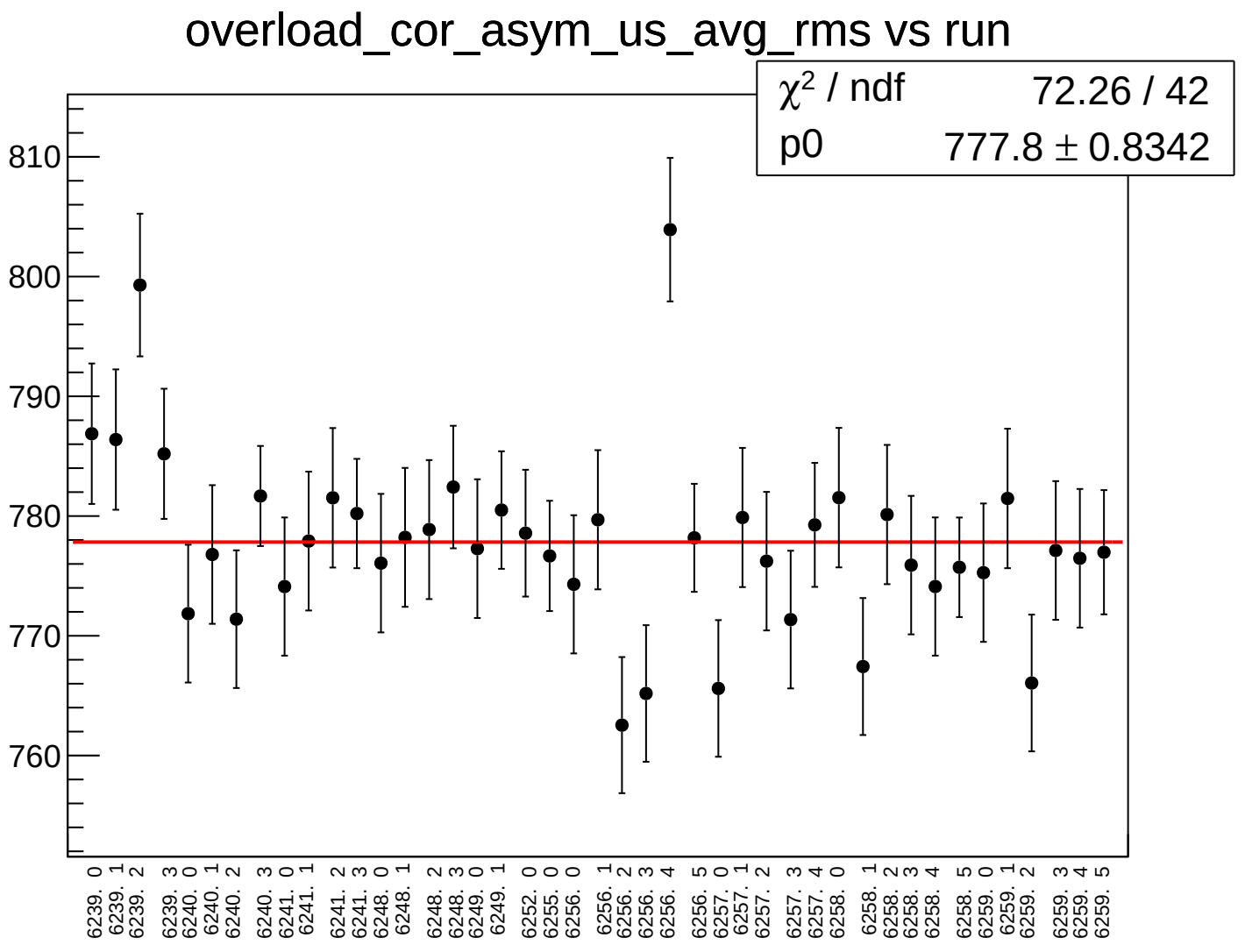

cor_asym_us_avg_rms vs run
χ² / ndf 79.4 / 42
p0 780.9 ± 0.8375
820
810
800
790
780
770
760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

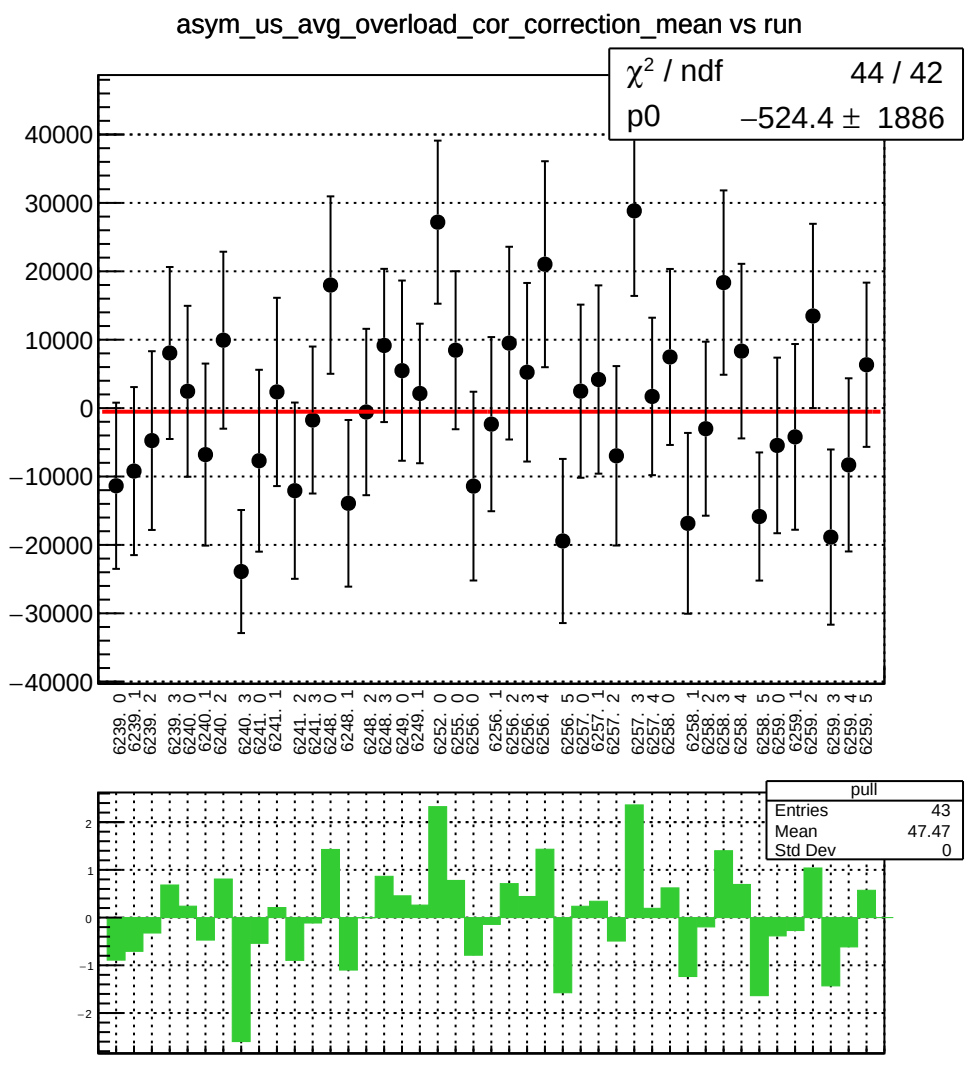

asym_us_avg_cor_correction_mean vs run
χ² / ndf 44.97 / 42
p0 −581.5 ± 1883
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.53
Std Dev 0
2
1
0
−1
−2

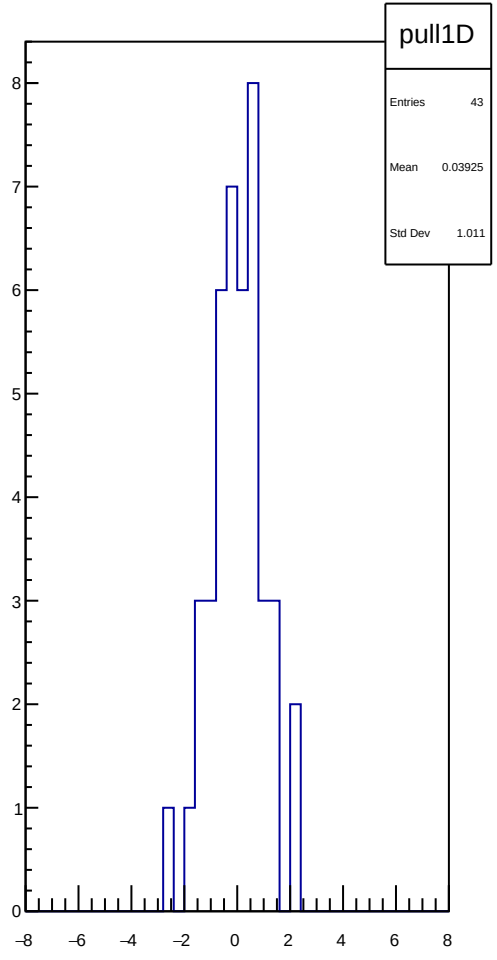

pull1D
Entries 43
Mean 0.04008
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

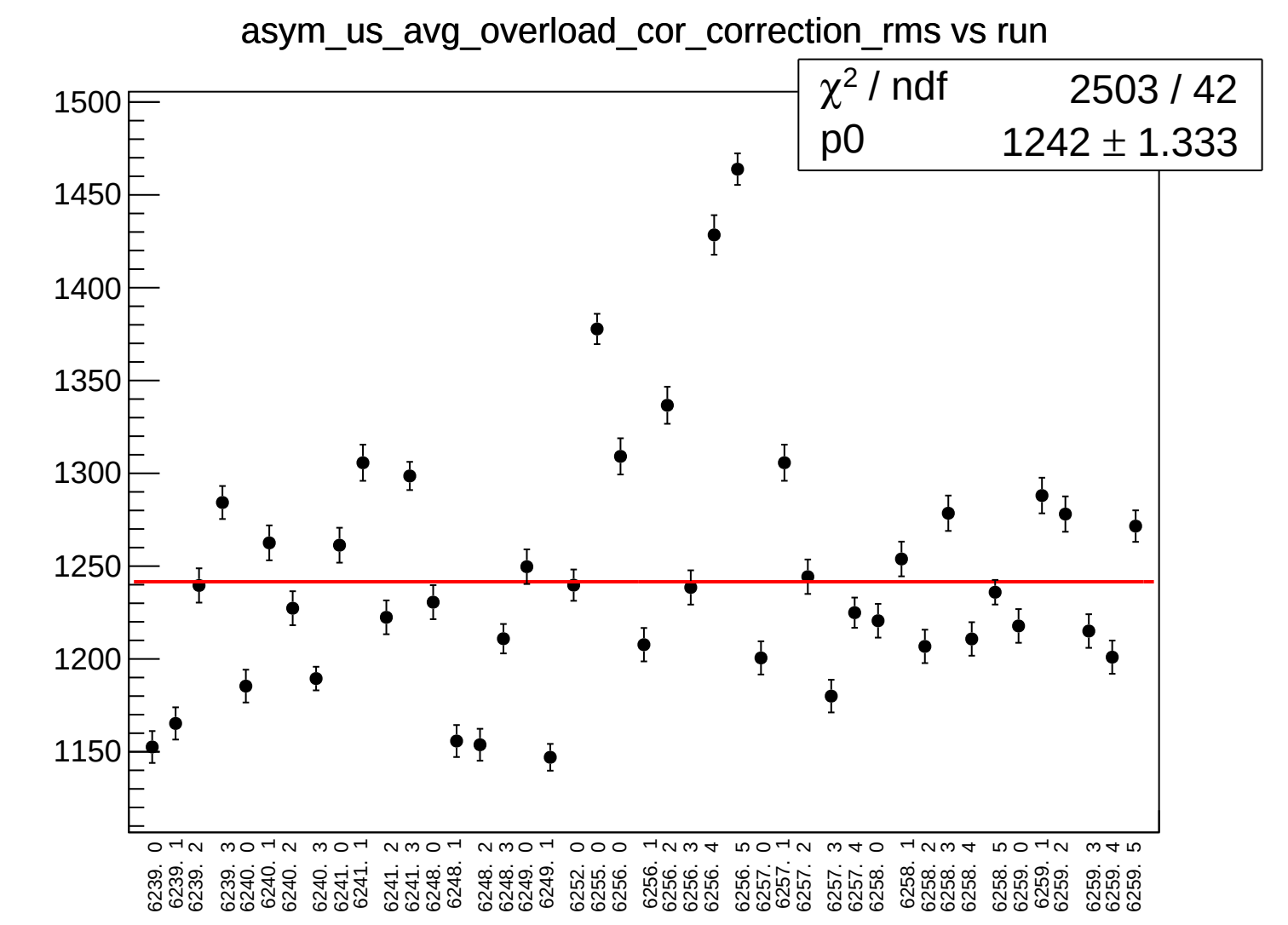

asym_us_avg_cor_correction_rms vs run
χ² / ndf 2500 / 42
p0 1240 ± 1.331
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

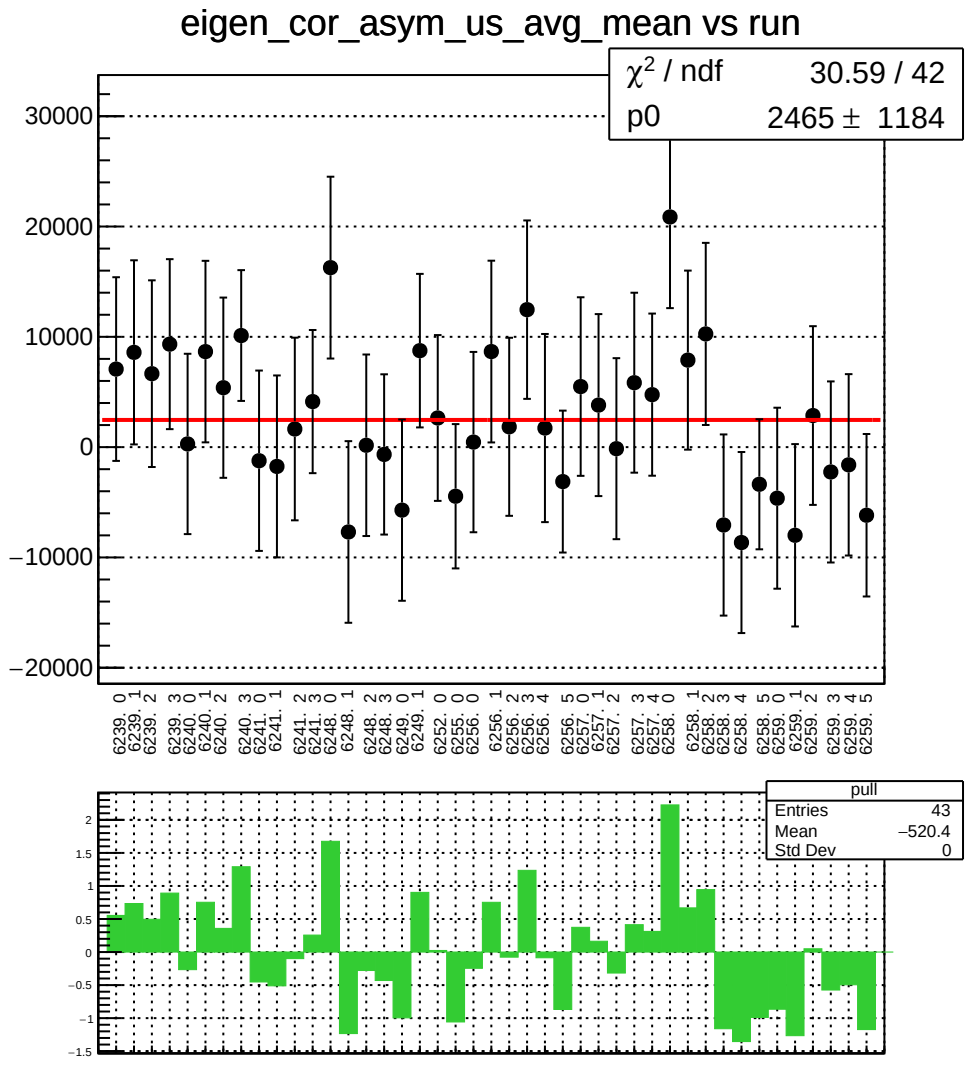

overload_cor_asym_us_avg_mean vs run
χ² / ndf 31.11 / 42
p0 2522 ± 1180
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −635.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.005334
Std Dev 0.8506
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

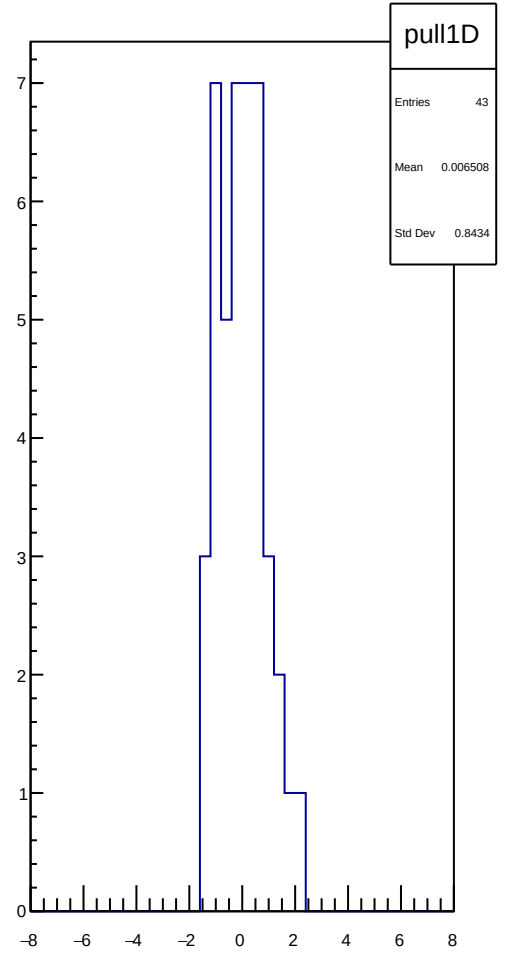

overload_cor_asym_us_avg_rms vs run
$\chi^2$ / ndf 72.26 / 42
p0 777.8 ± 0.8342
810
800
790
780
770
760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

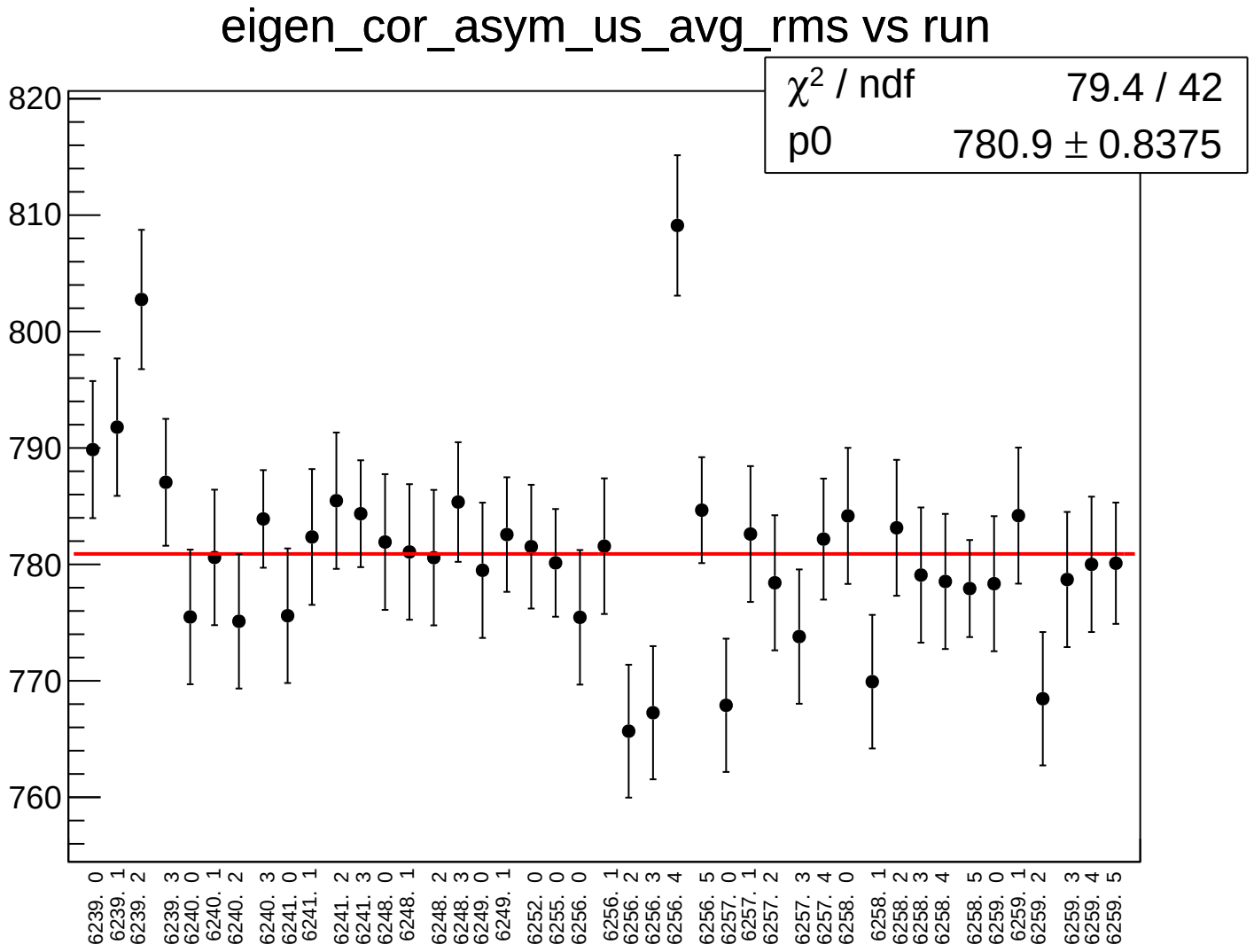

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 44 / 42
p0 −524.4 ± 1886
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.47
Std Dev 0
2
1
0
−1
−2

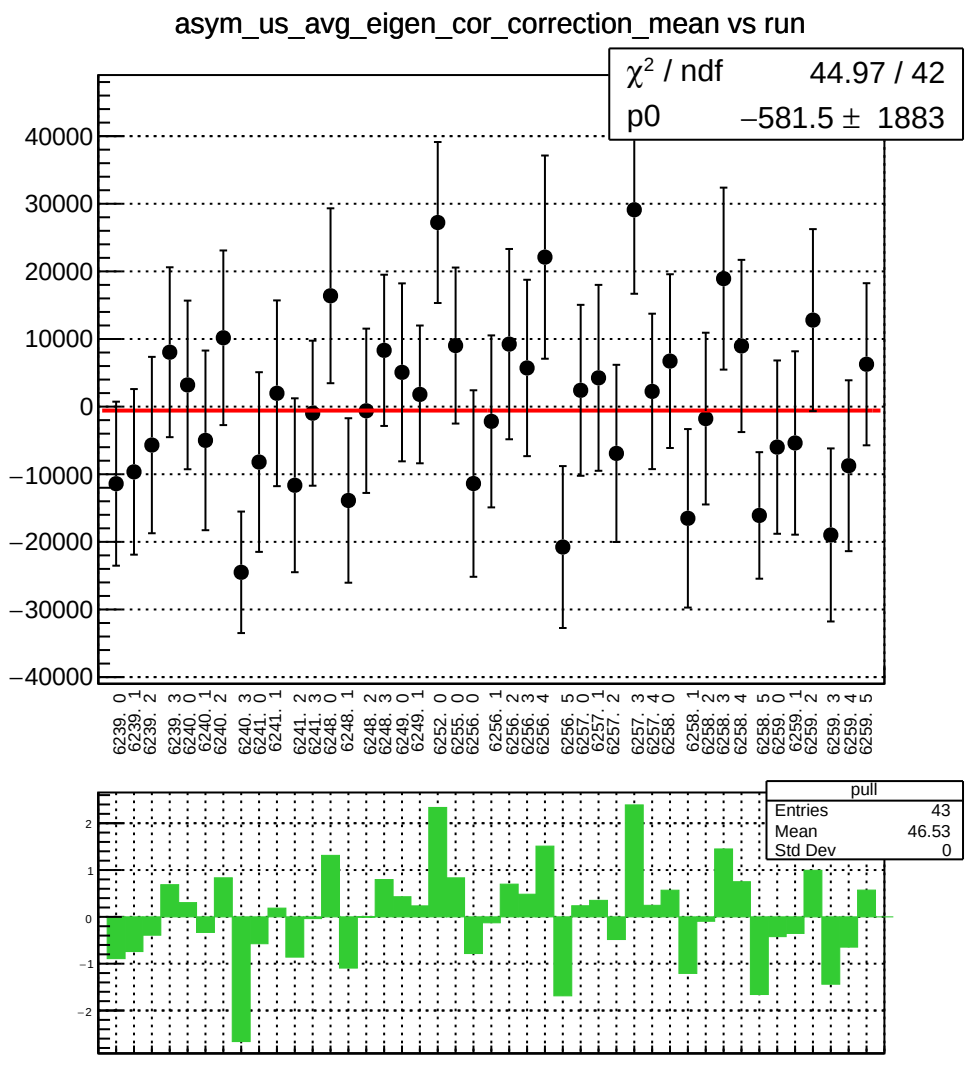

pull1D
Entries 43
Mean 0.03925
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

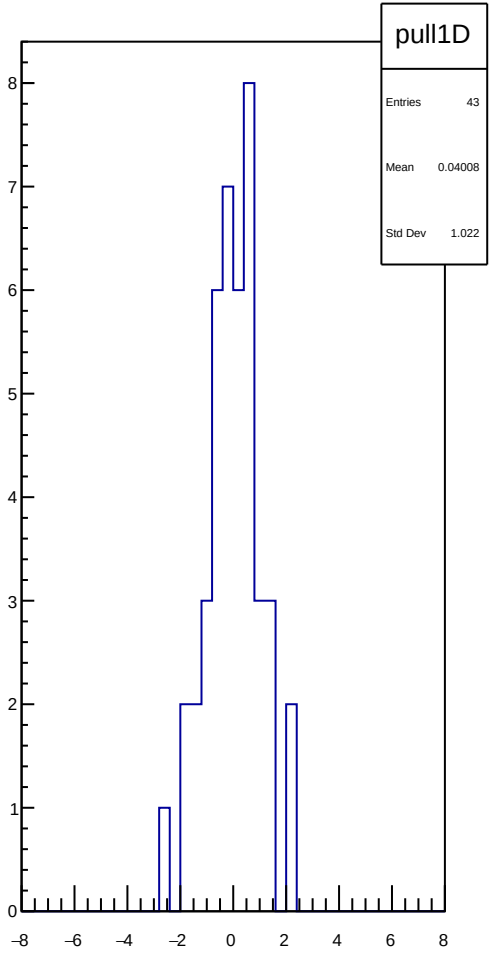

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 2503 / 42
p0 1242 ± 1.333
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

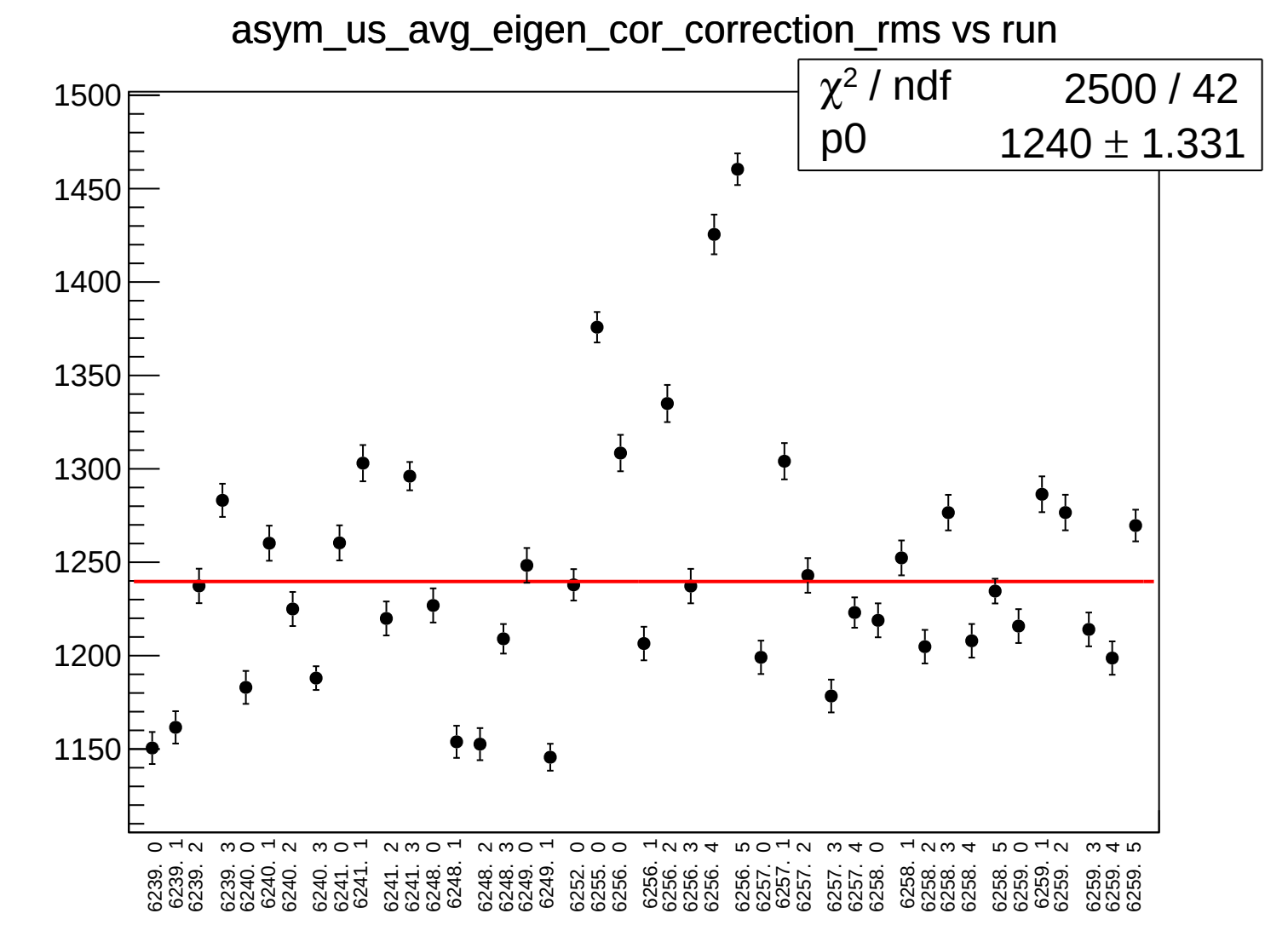

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 30.59 / 42
p0 2465 ± 1184
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −520.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

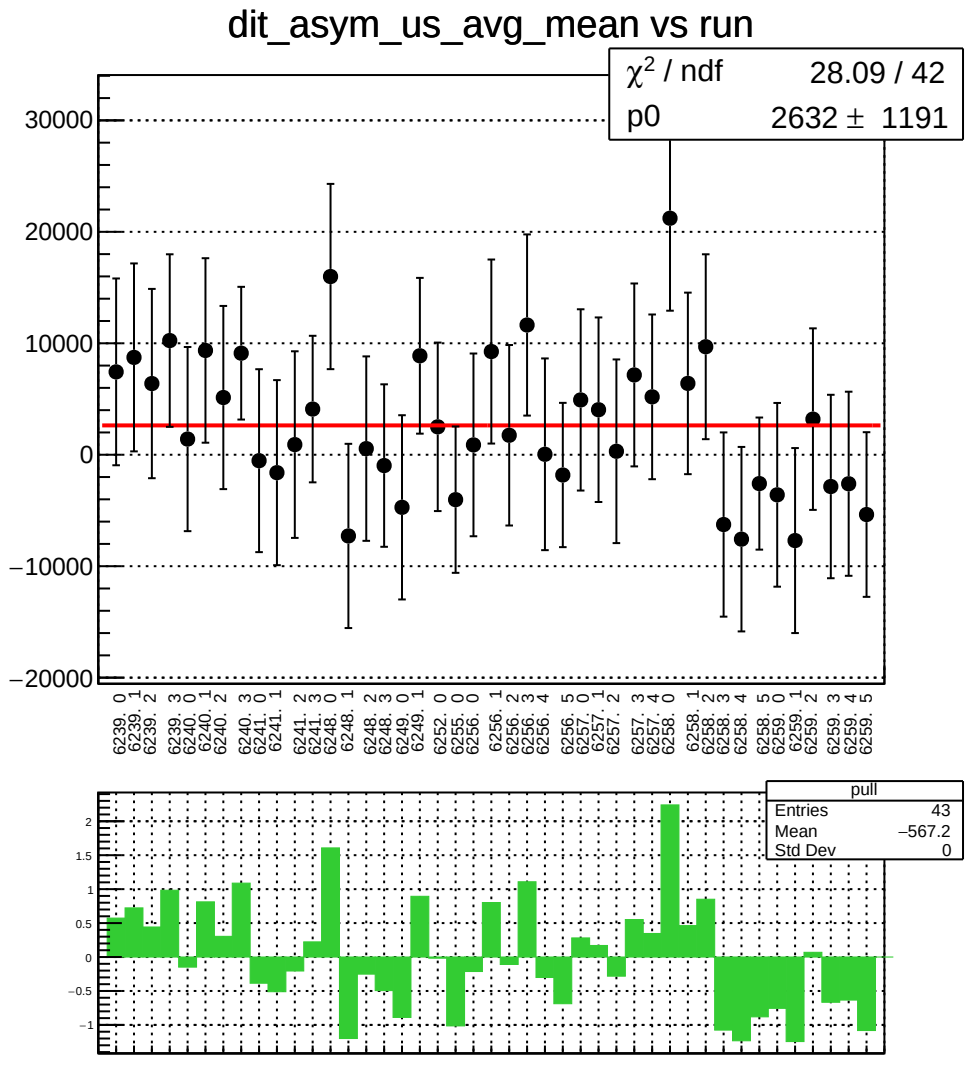

pull1D
Entries 43
Mean 0.006508
Std Dev 0.8434
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

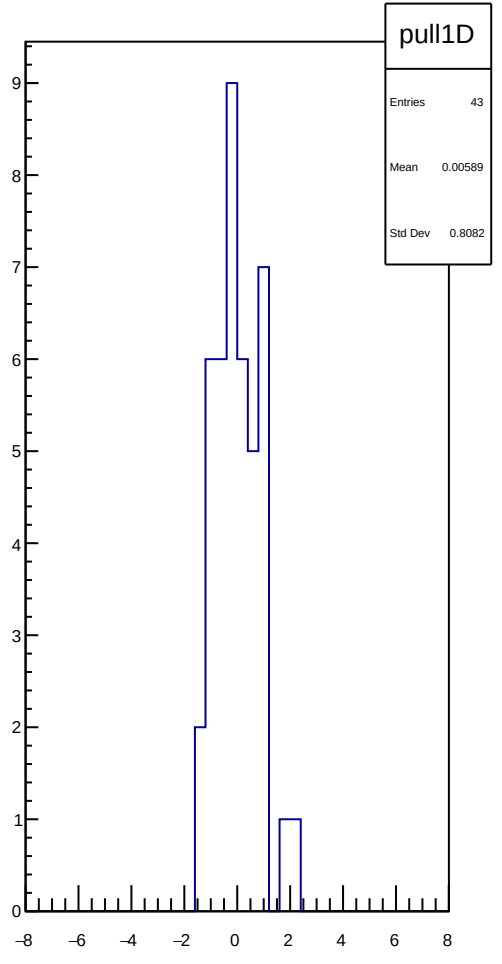

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 79.4 / 42
p0 780.9 ± 0.8375
820
810
800
790
780
770
760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

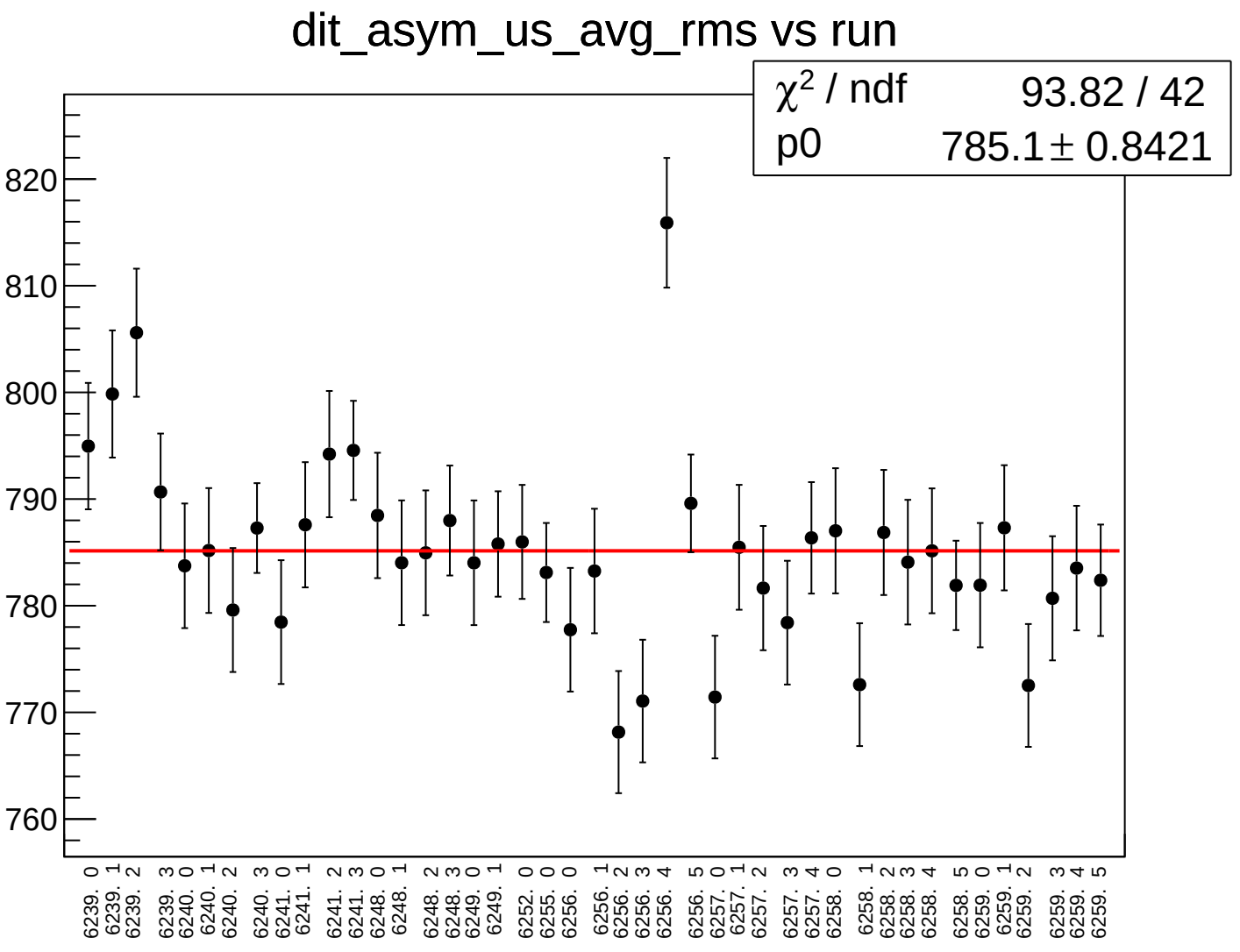

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 44.97 / 42
p0 −581.5 ± 1883
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.53
Std Dev 0
2
1
0
−1
−2

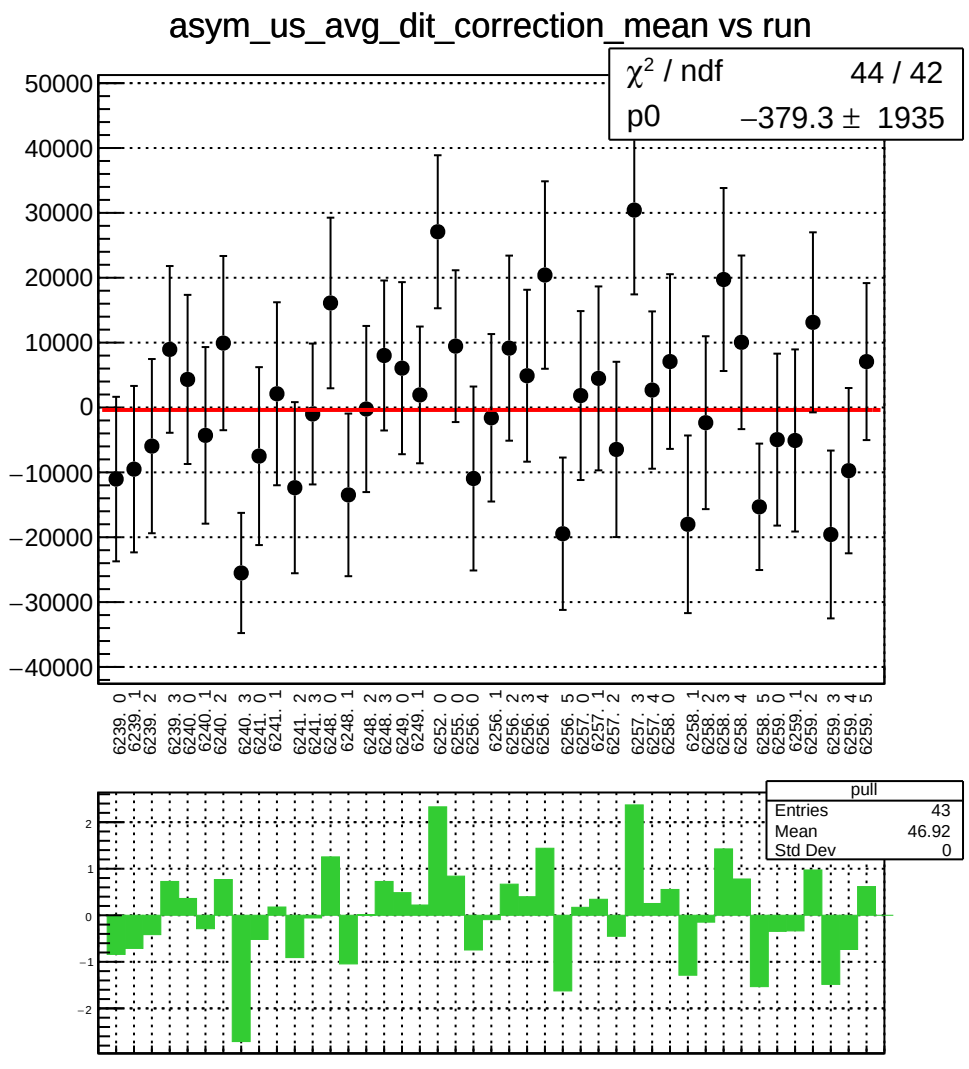

pull1D
Entries 43
Mean 0.04008
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

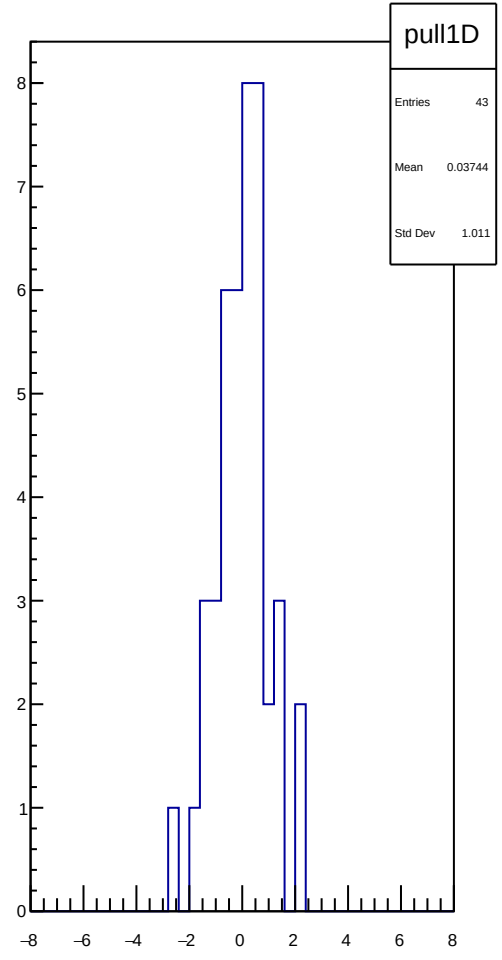

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 2500 / 42
p0 1240 ± 1.331
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

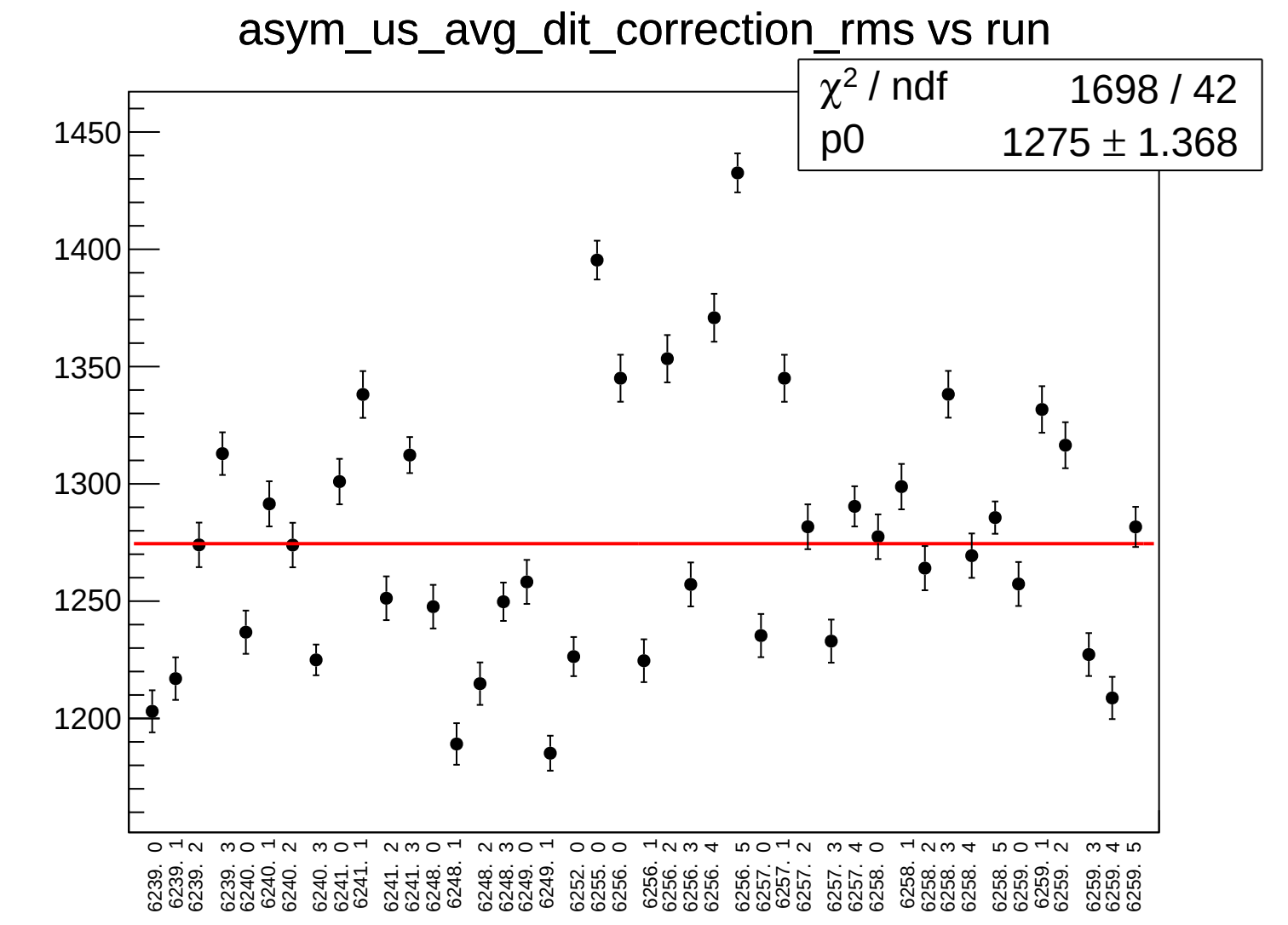

dit_asym_us_avg_mean vs run
χ² / ndf 28.09 / 42
p0 2632 ± 1191
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −567.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

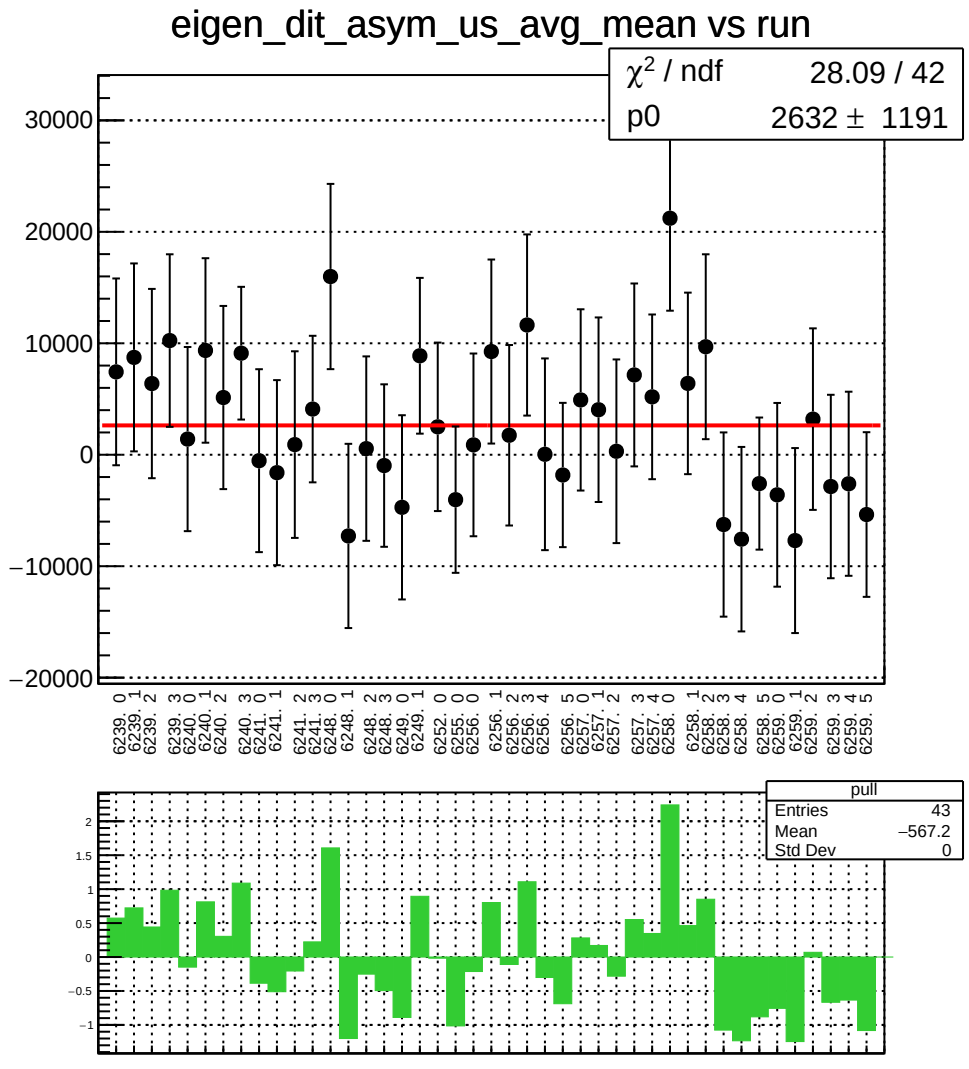

pull1D
Entries 43
Mean 0.00589
Std Dev 0.8082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

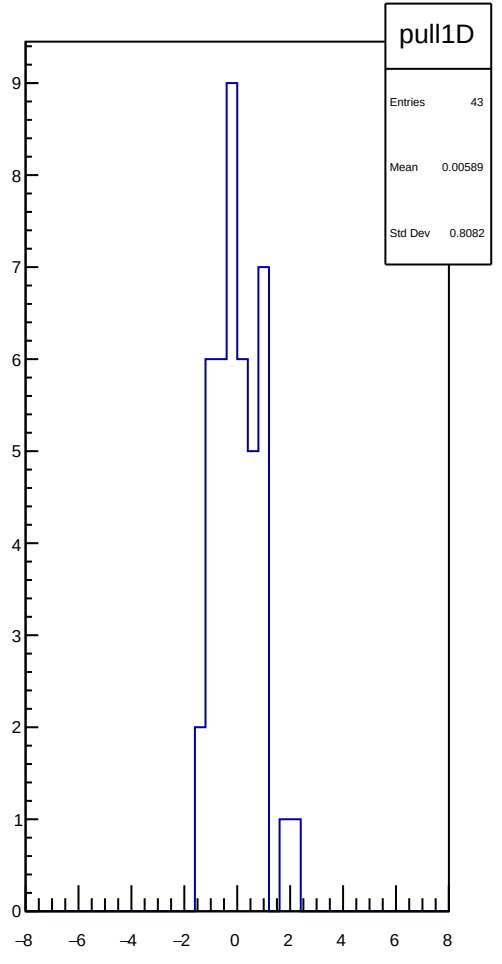

dit_asym_us_avg_rms vs run
$\chi^2$ / ndf 93.82 / 42
p0 785.1 ± 0.8421
820
810
800
790
780
770
760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

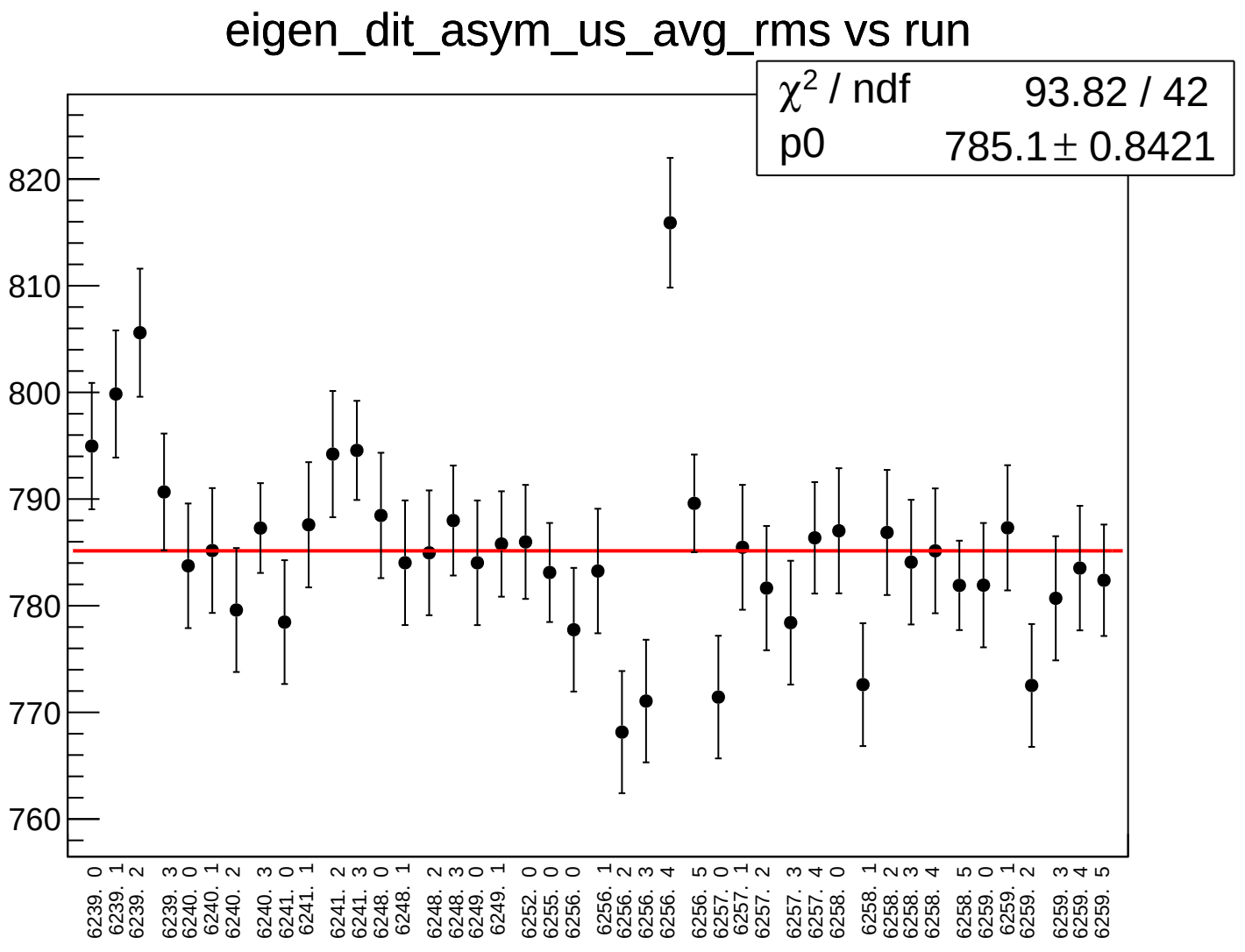

asym_us_avg_dit_correction_mean vs run
χ² / ndf 44 / 42
p0 −379.3 ± 1935
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.92
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03744
Std Dev 1.011
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

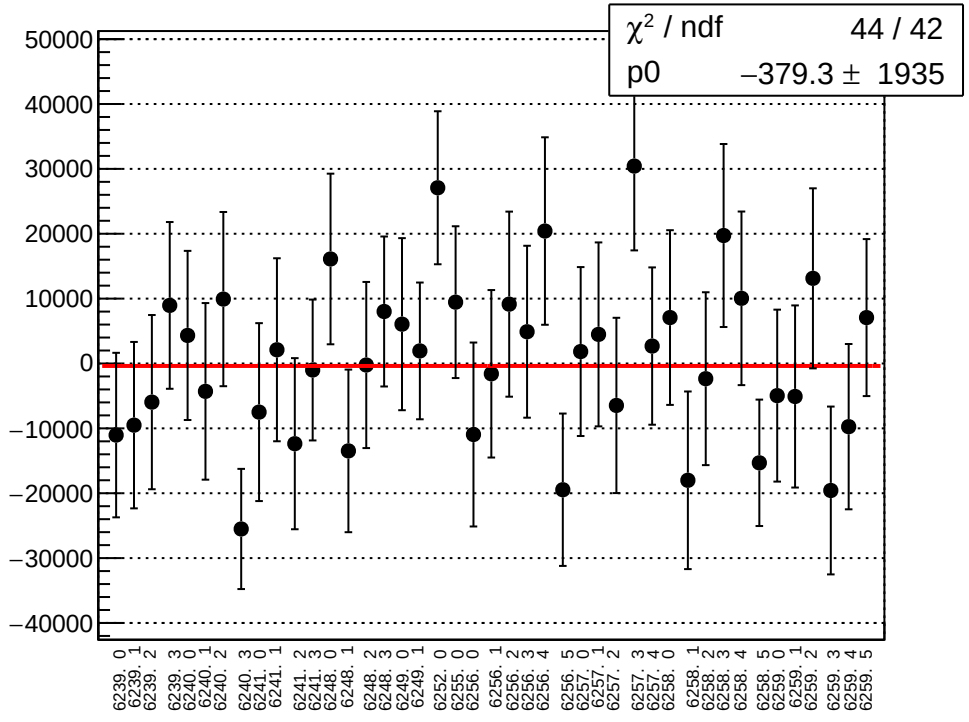

asym_us_avg_dit_correction_rms vs run
χ² / ndf 1698 / 42
p0 1275 ± 1.368
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

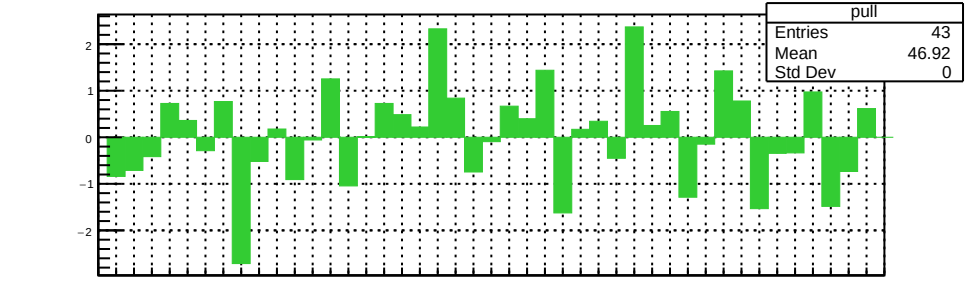

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 28.09 / 42
p0 2632 ± 1191
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −567.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

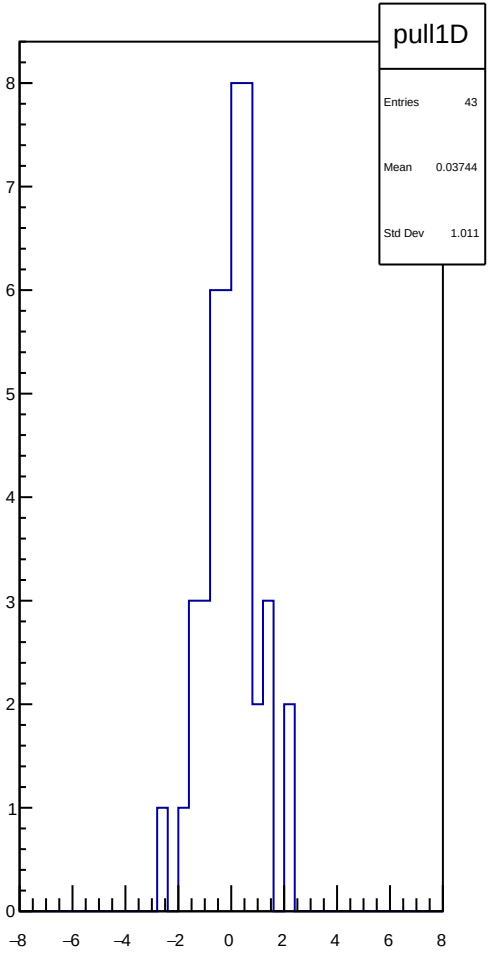

pull1D
Entries 43
Mean 0.00589
Std Dev 0.8082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

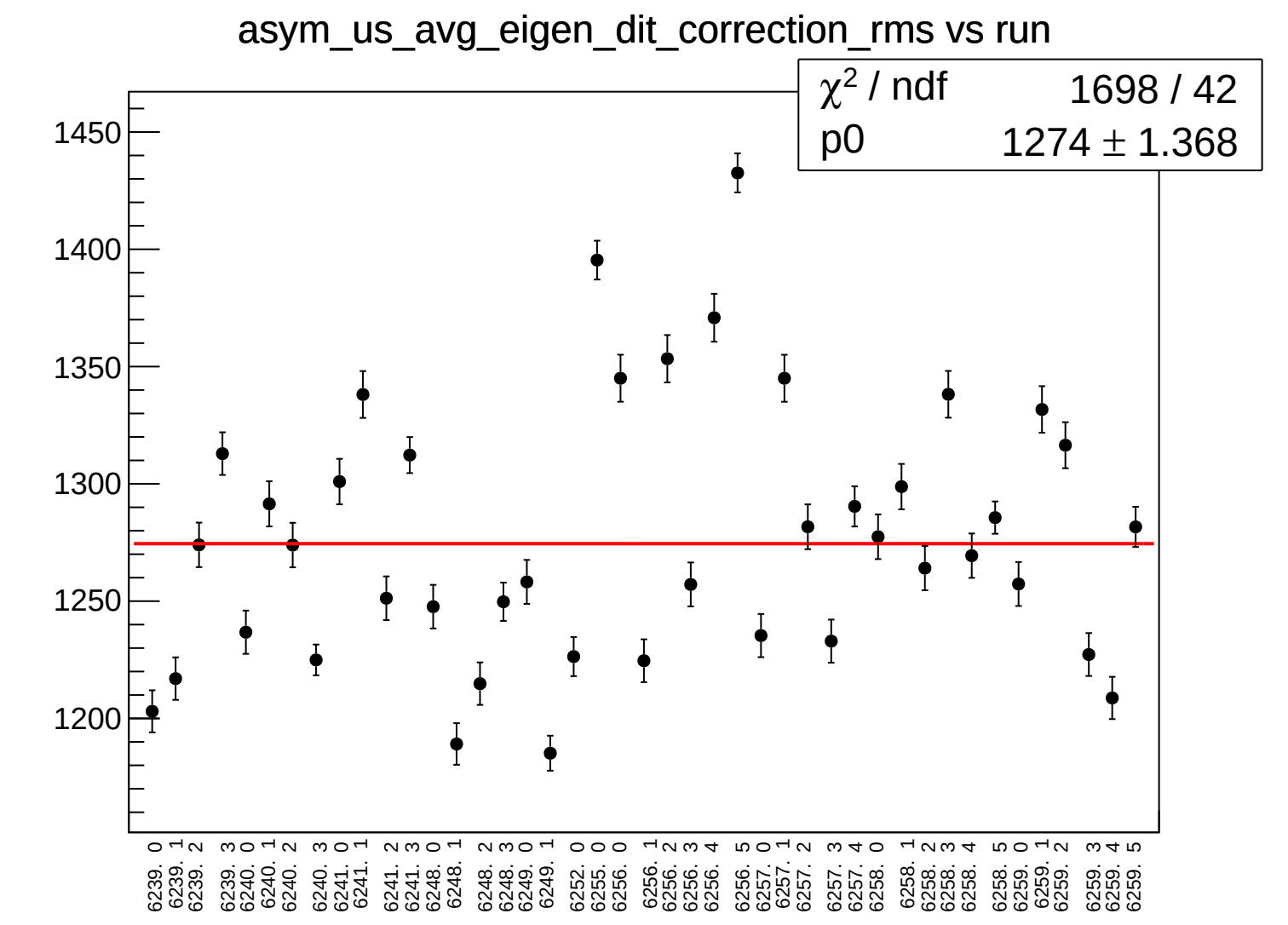

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 93.82 / 42
p0 785.1 ± 0.8421
820
810
800
790
780
770
760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

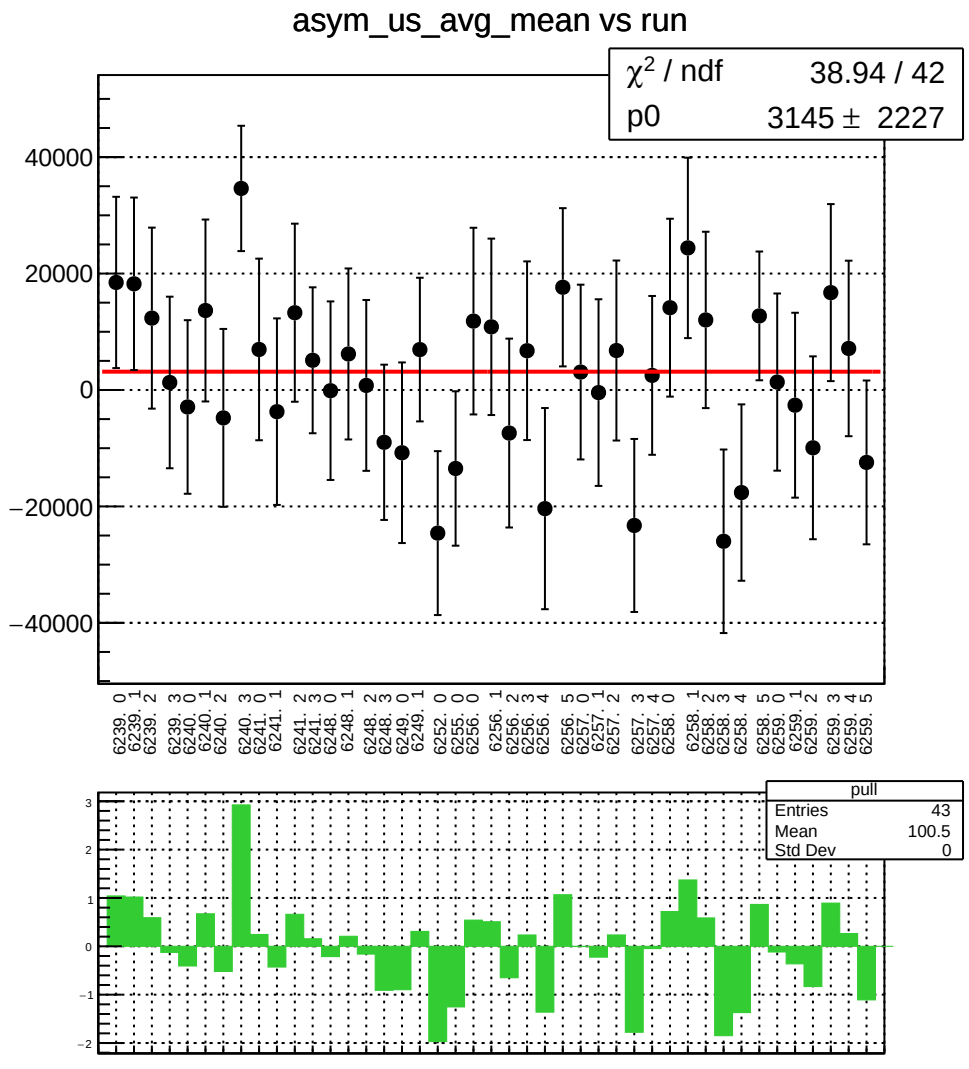
asym_us_avg_eigen_dit_correction_mean vs run

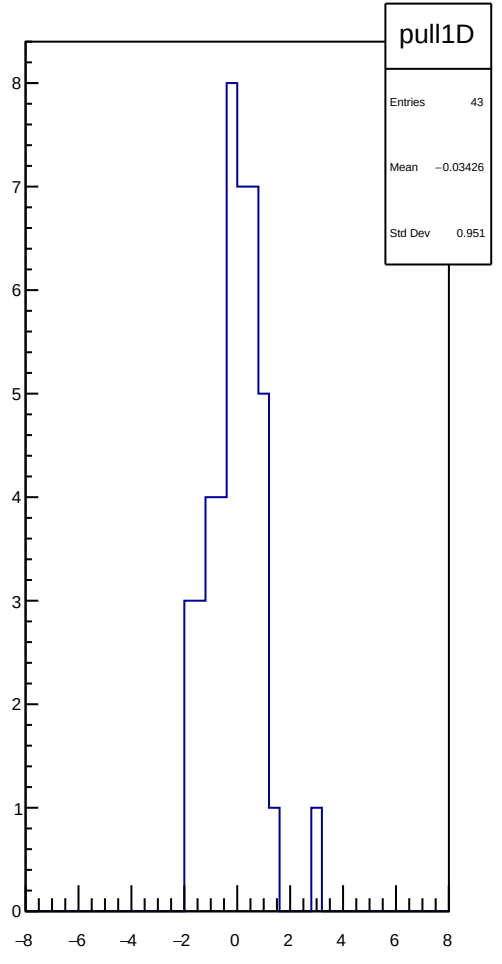


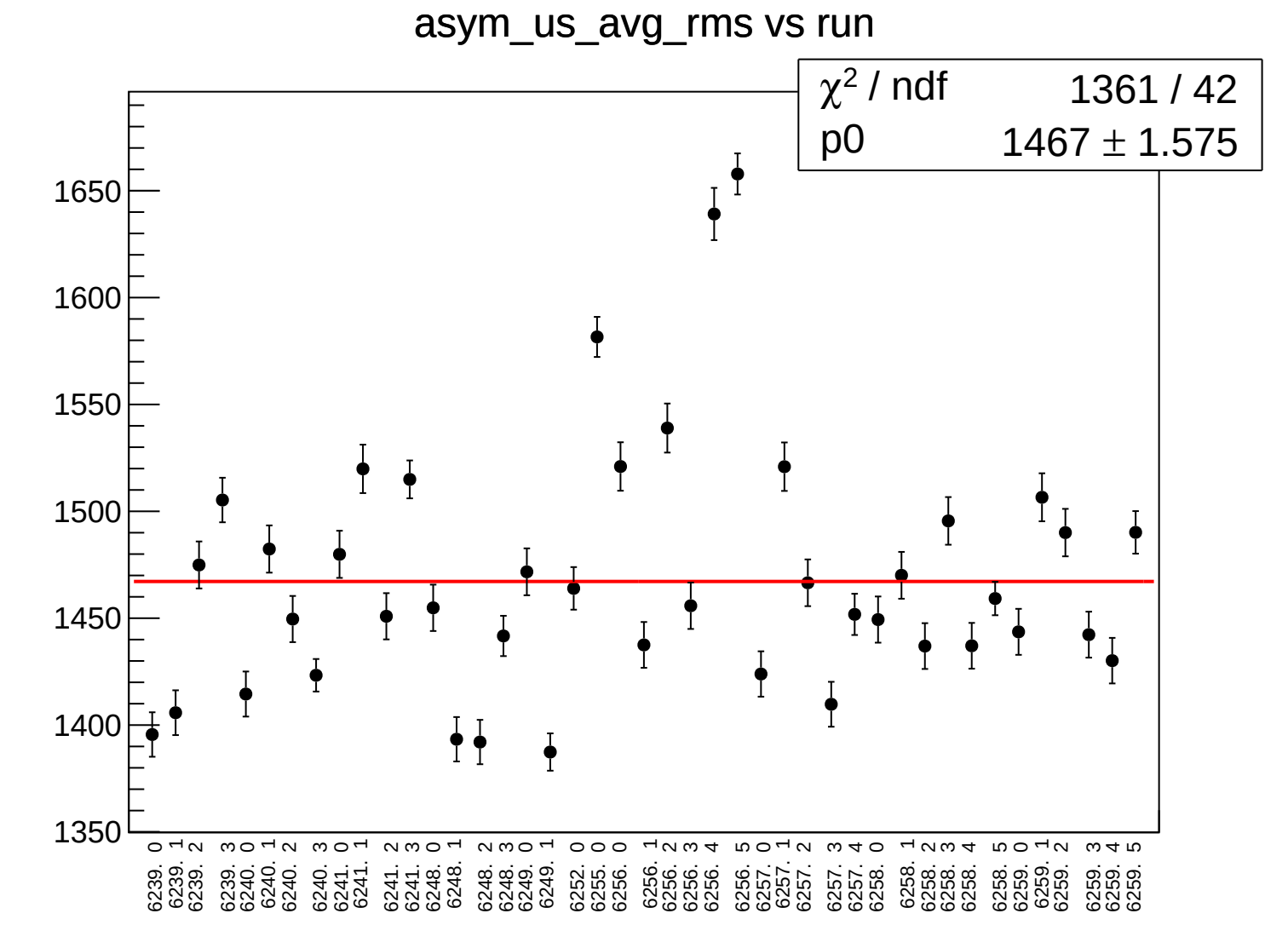



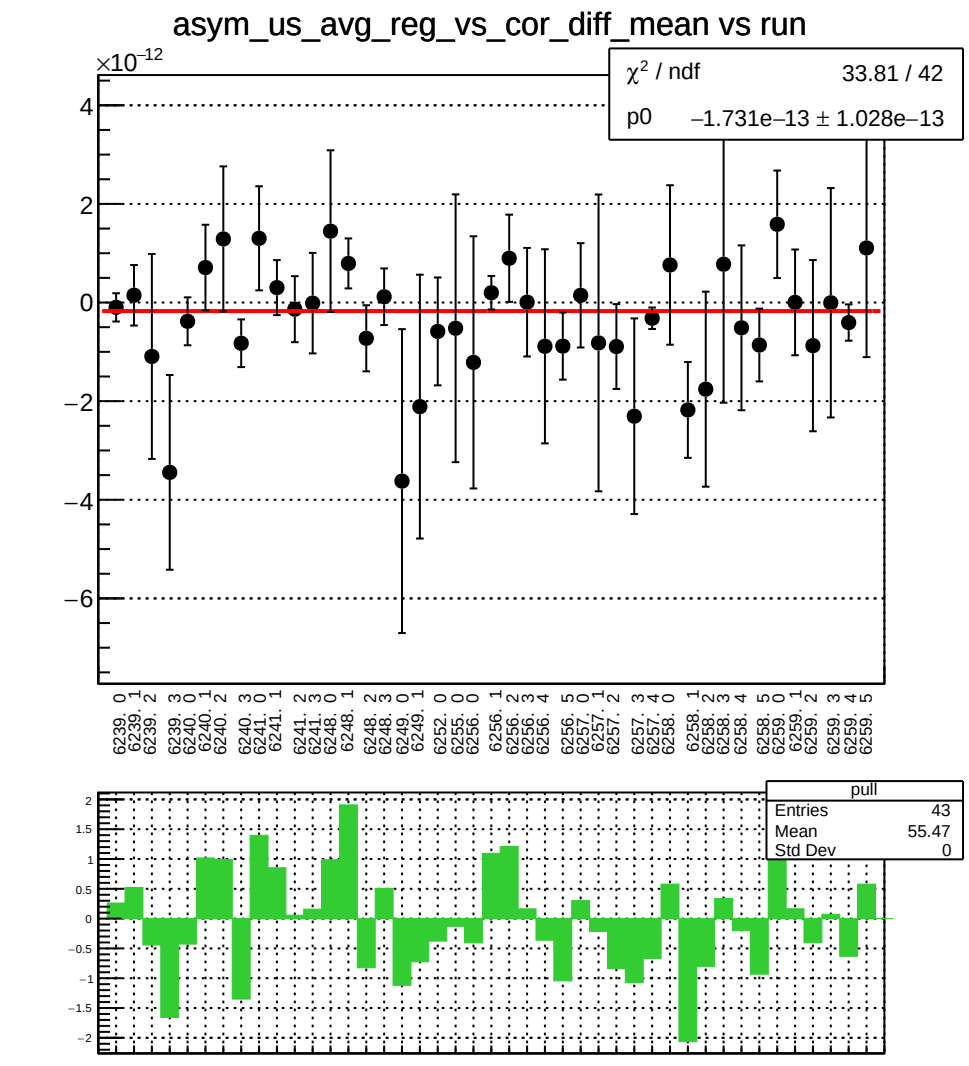



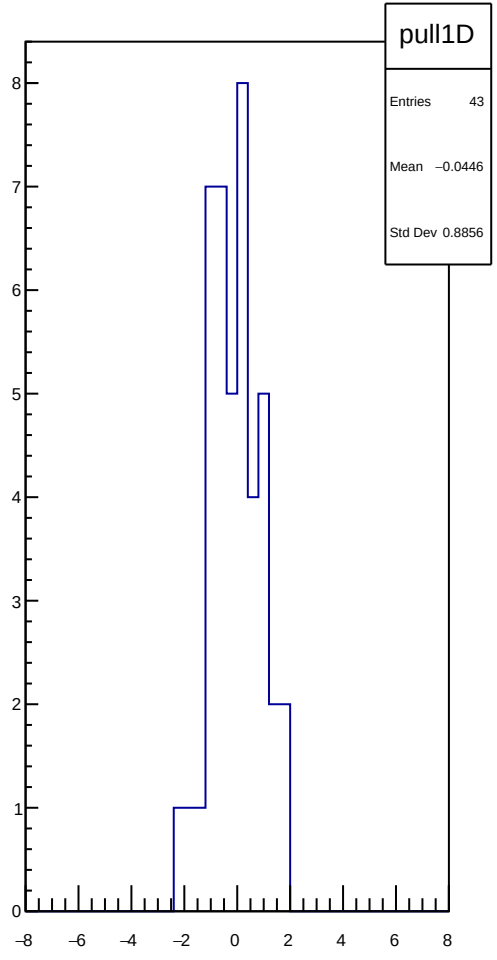

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 1698 / 42
p0 1274 ± 1.368
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

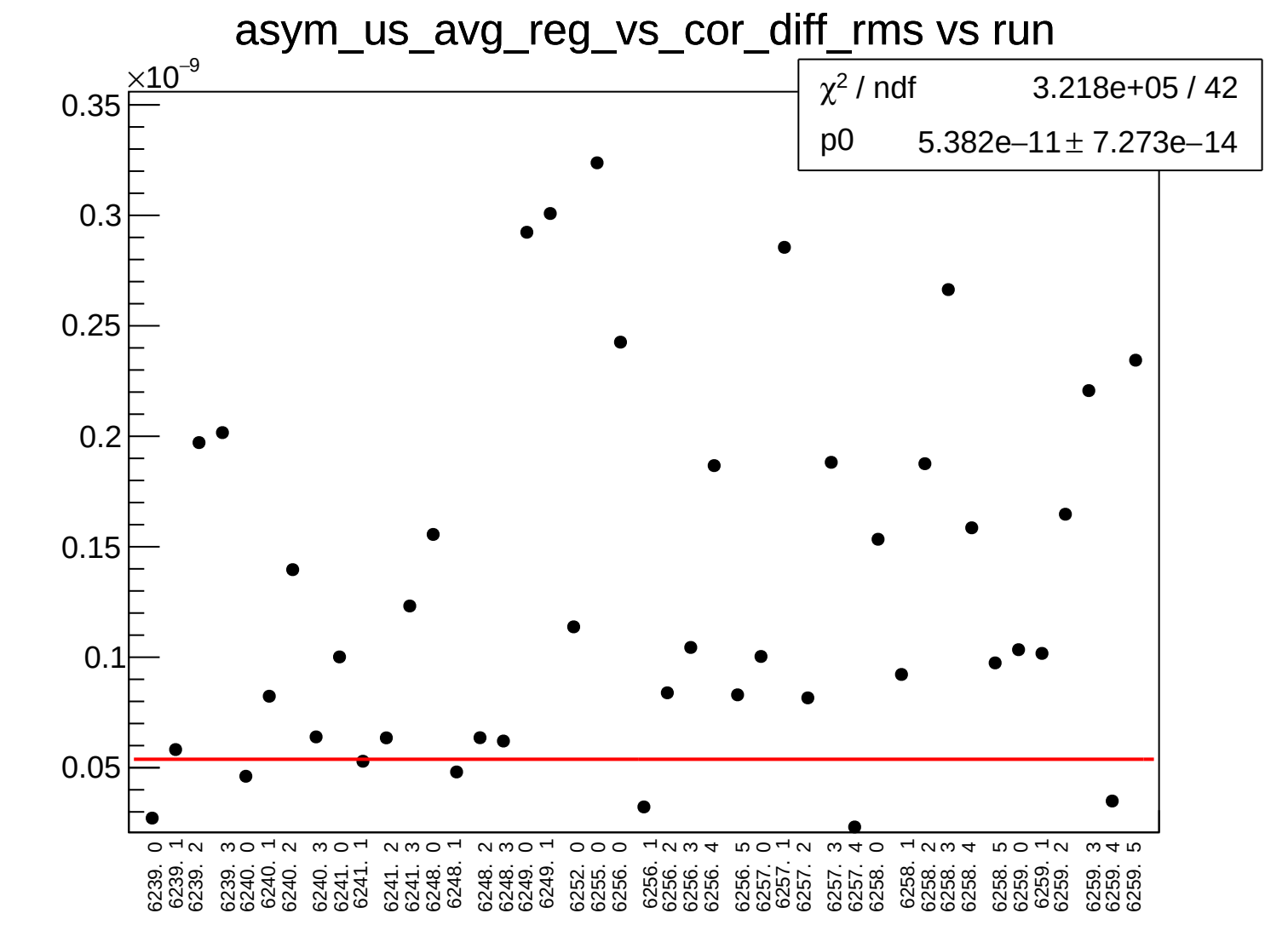

asym_us_avg_mean vs run
χ² / ndf 38.94 / 42
p0 3145 ± 2227
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 100.5
Std Dev 0
3
2
1
0
−1
−2

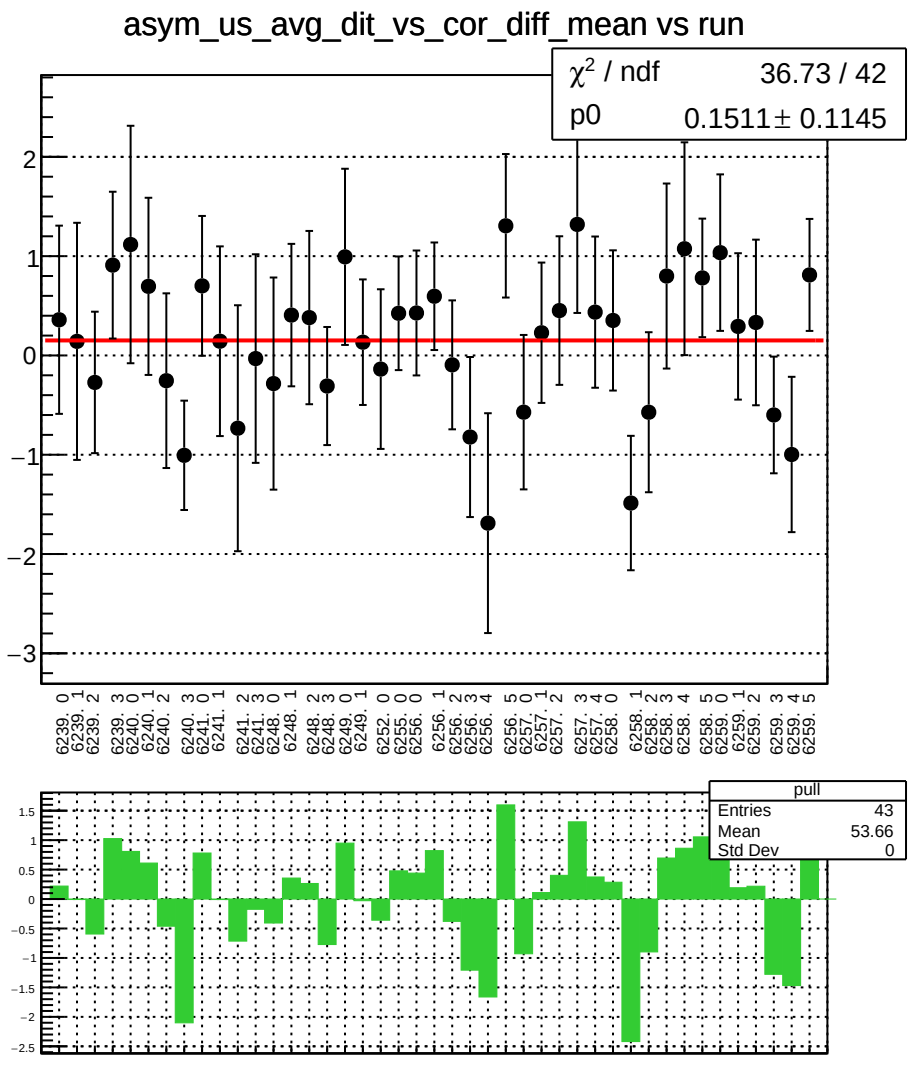

pull1D
Entries 43
Mean −0.03426
Std Dev 0.951
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

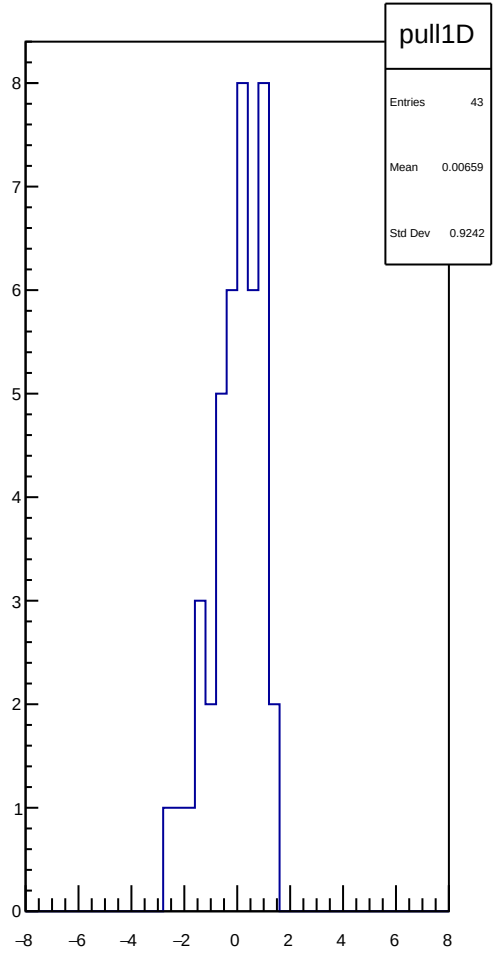

asym_us_avg_rms vs run
χ² / ndf 1361 / 42
p0 1467 ± 1.575
1650
1600
1550
1500
1450
1400
1350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

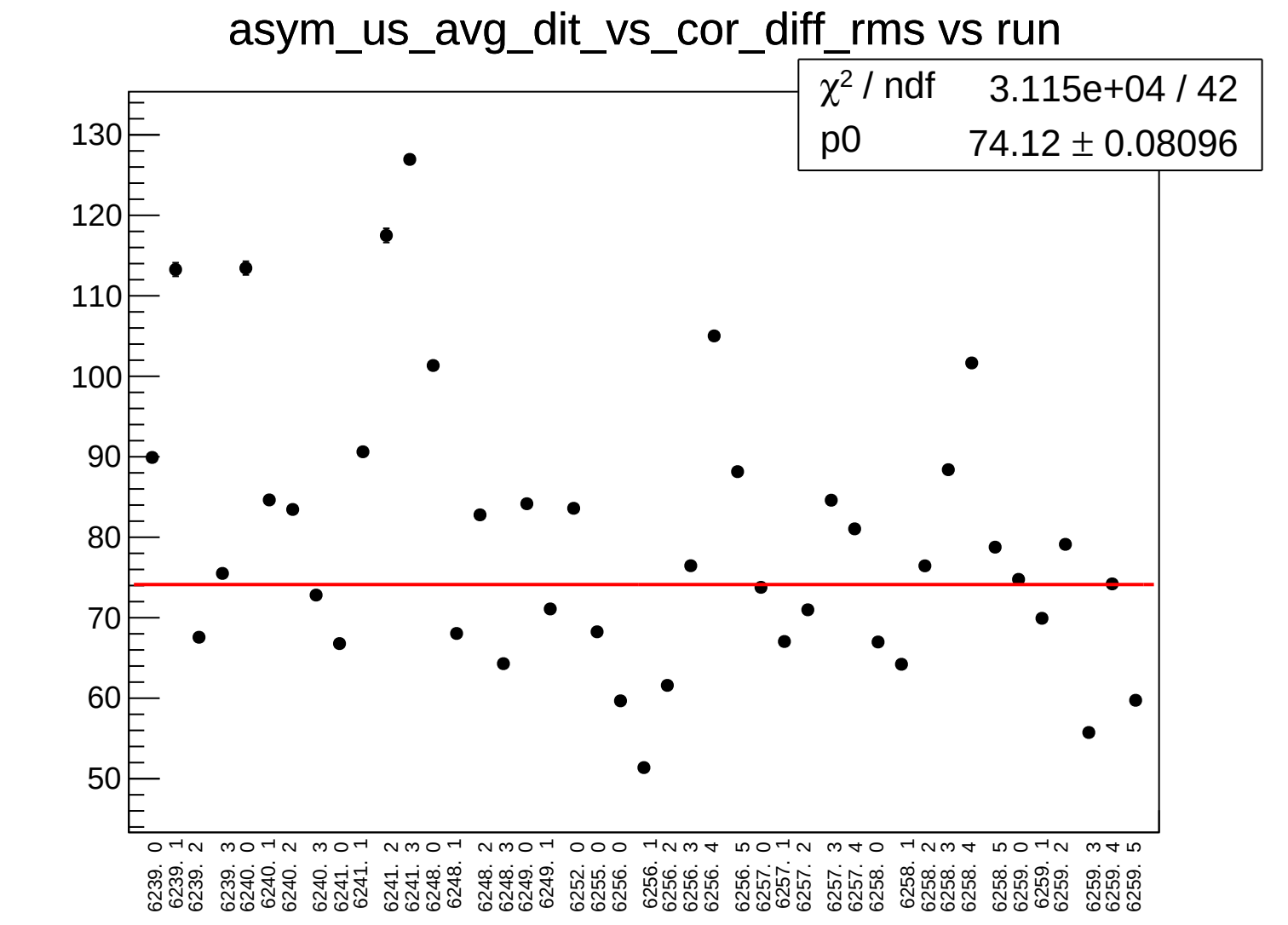

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.81 / 42
p0 −1.731e−13 ± 1.028e−13
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

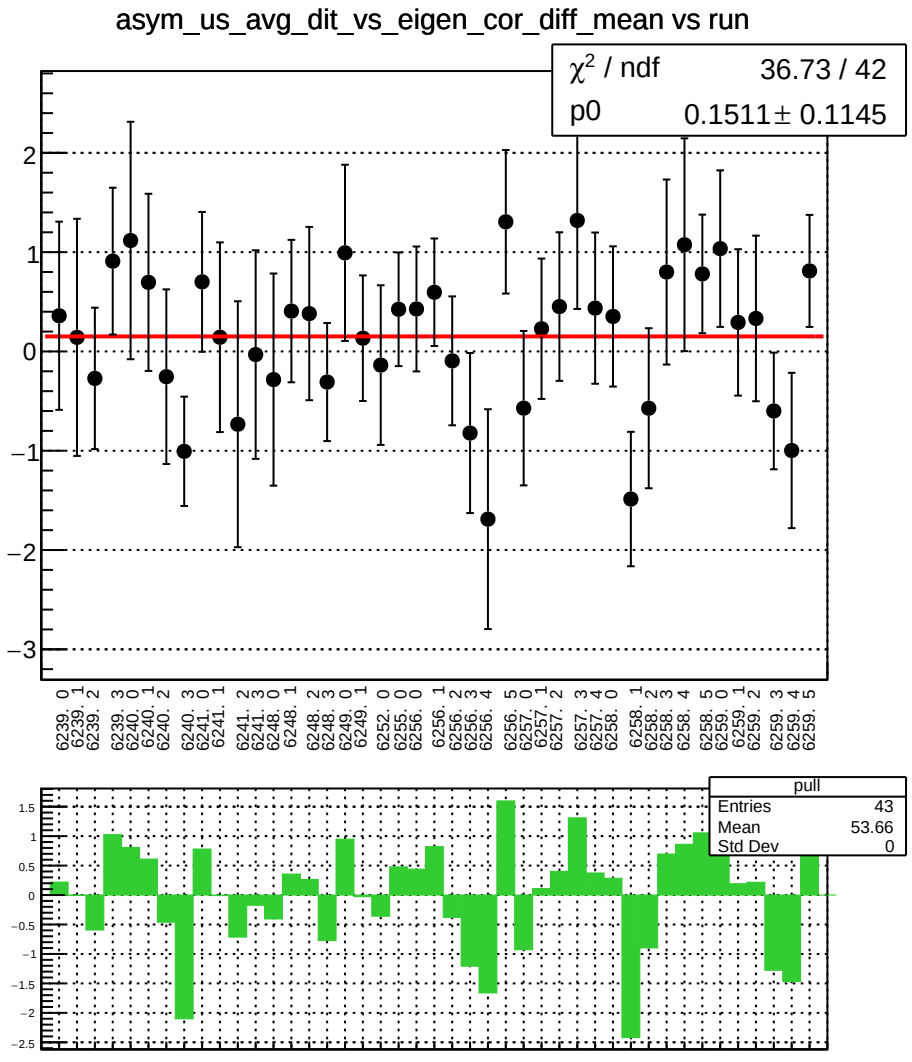

pull1D
Entries 43
Mean −0.0446
Std Dev 0.8856
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

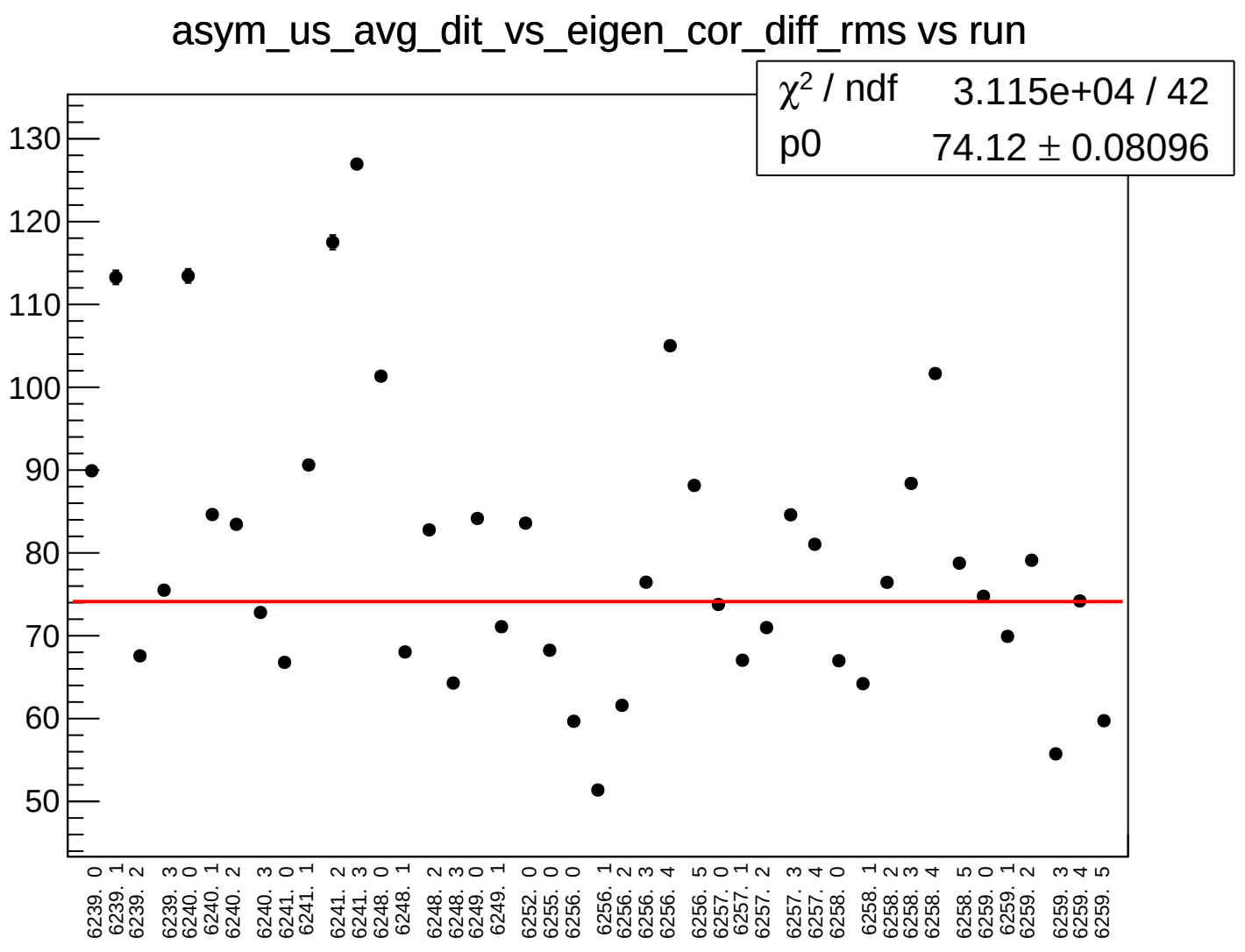

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.218e+05 / 42
p0 5.382e−11 ± 7.273e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

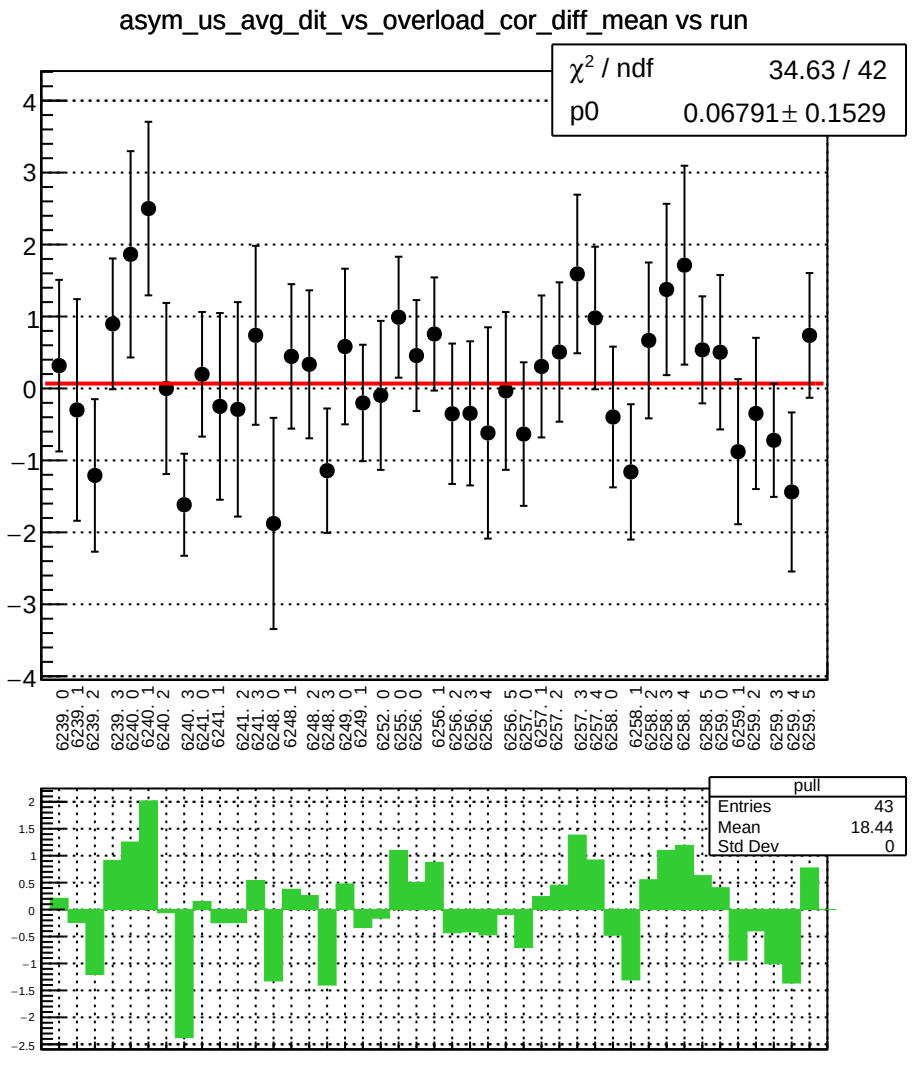

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 36.73 / 42
p0 0.1511 ± 0.1145
pull
Entries 43
Mean 53.66
Std Dev 0

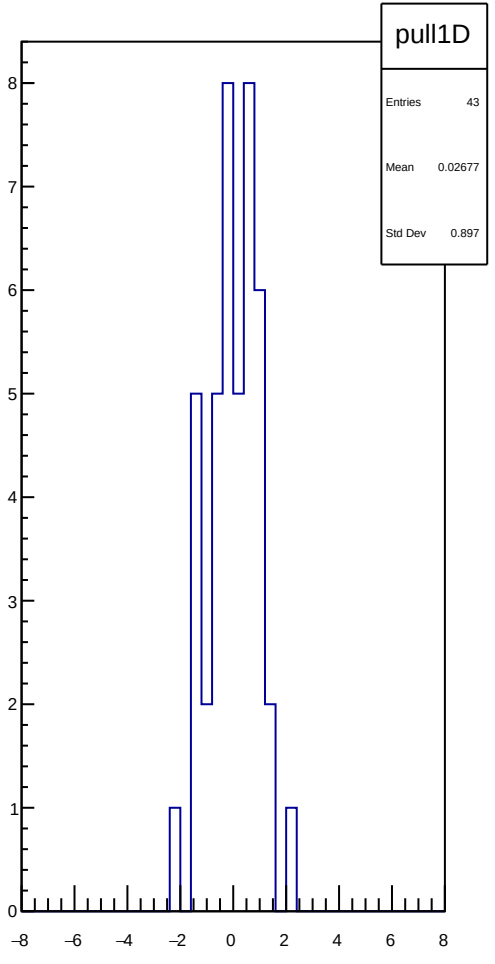

pull1D
Entries 43
Mean 0.00659
Std Dev 0.9242

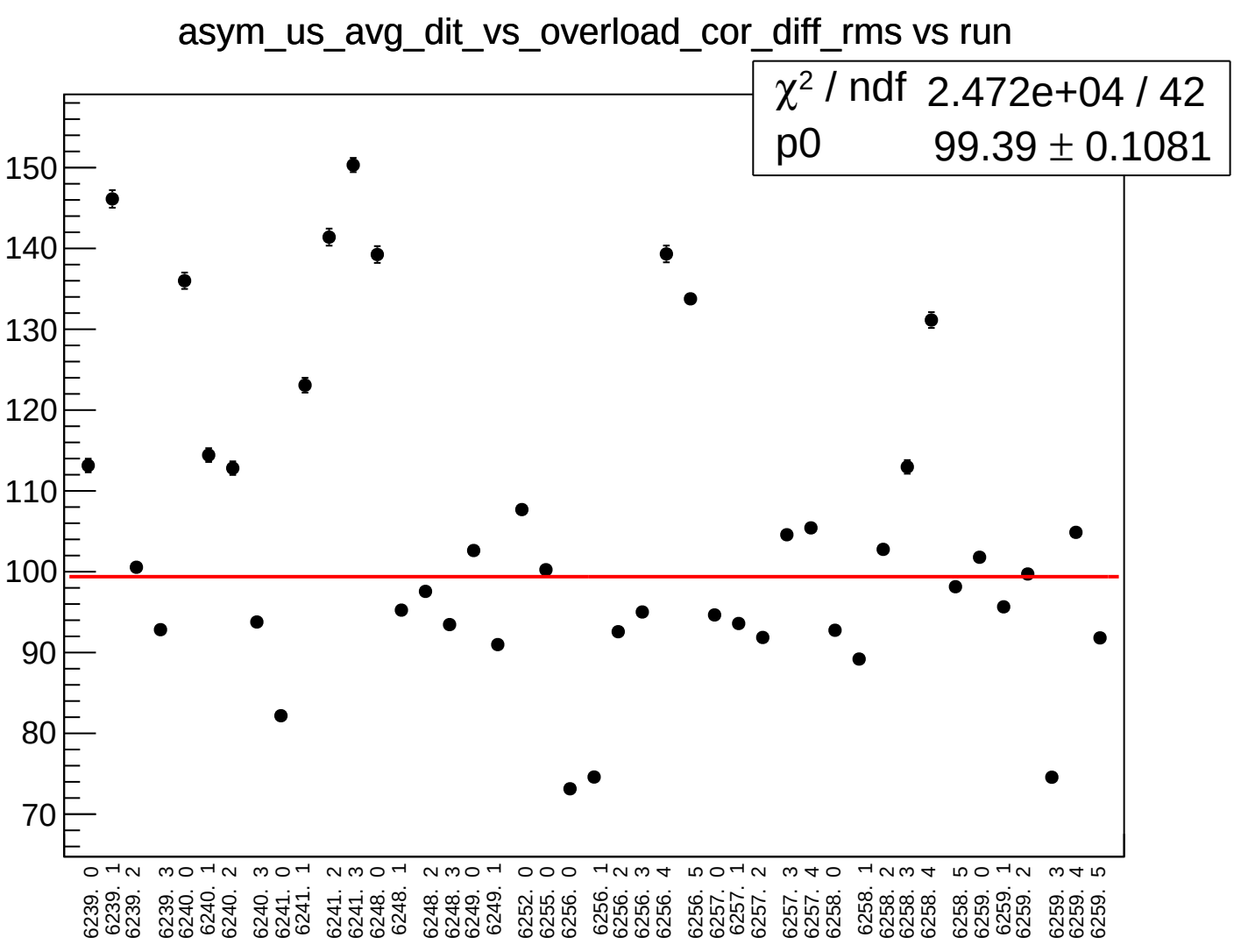

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.115e+04 / 42
p0 74.12 ± 0.08096
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

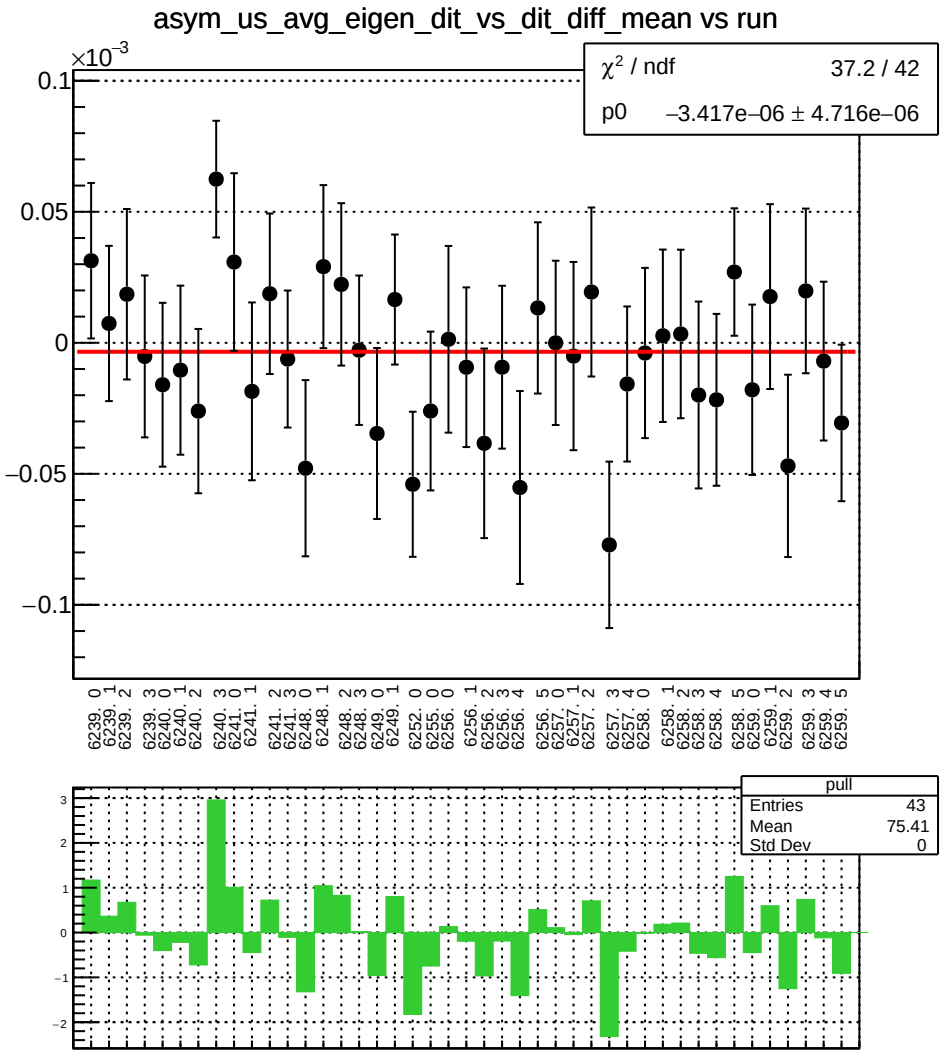

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.73 / 42
p0 0.1511 ± 0.1145
pull
Entries 43
Mean 53.66
Std Dev 0
pull1D
Entries 43
Mean 0.00659
Std Dev 0.9242

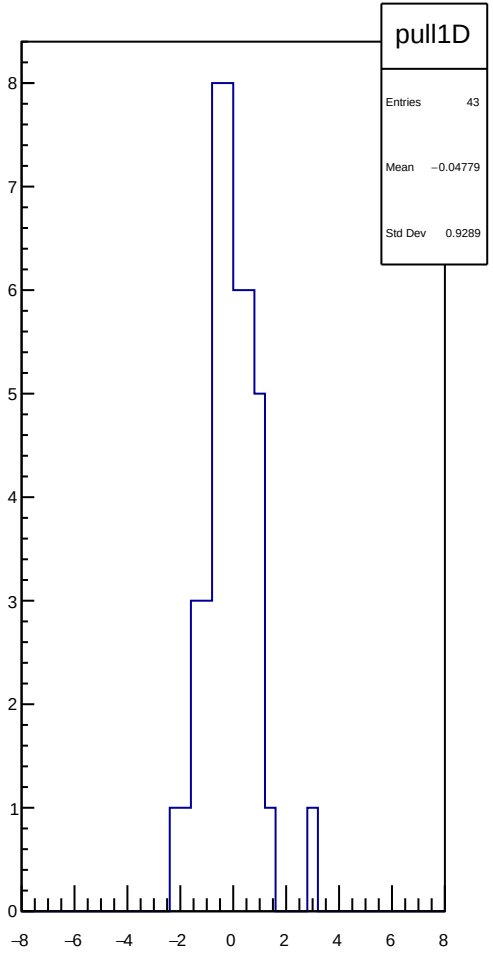

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.115e+04 / 42
p0 74.12 ± 0.08096
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

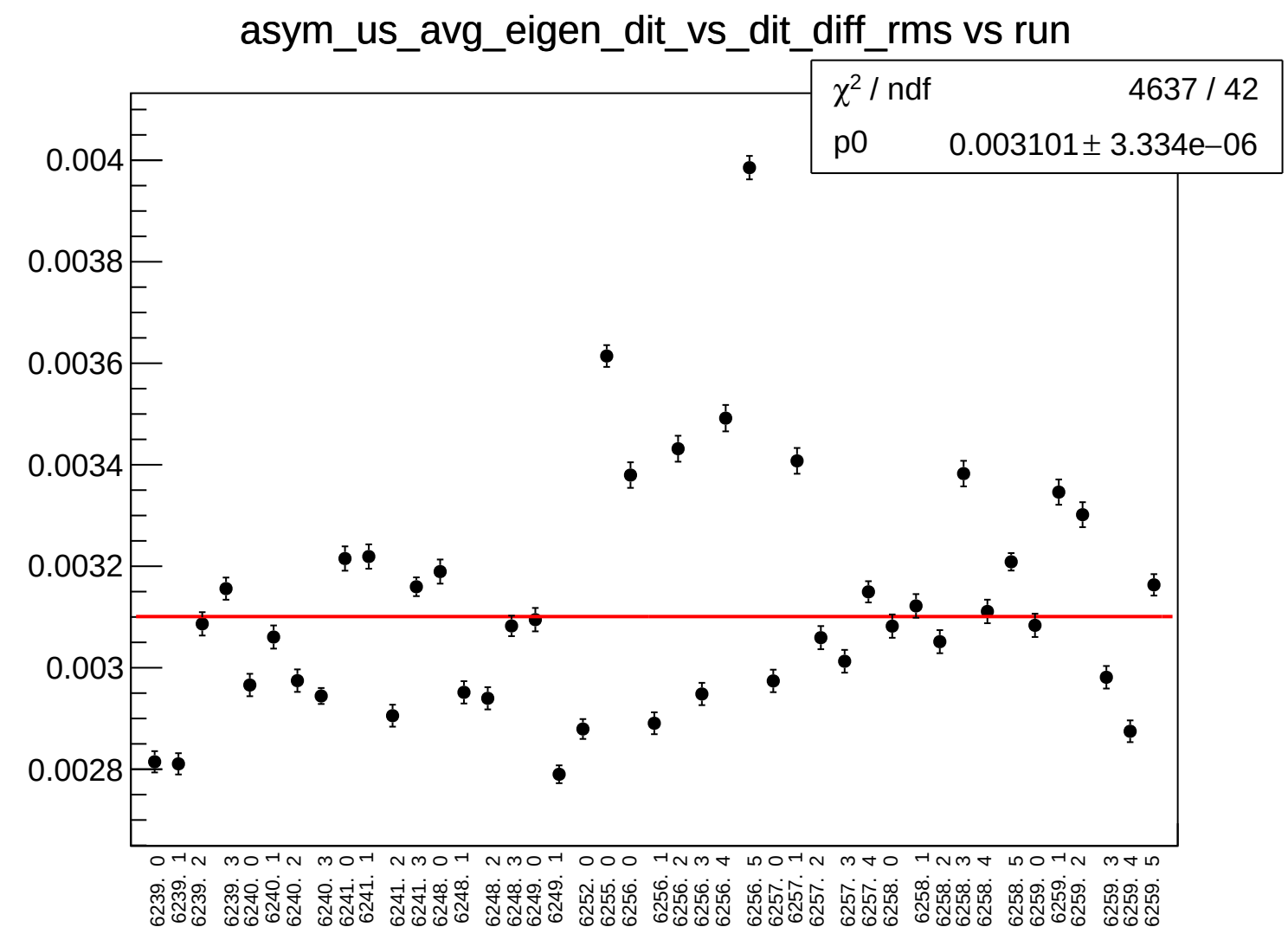

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 34.63 / 42
p0 0.06791 ± 0.1529
pull
Entries 43
Mean 18.44
Std Dev 0

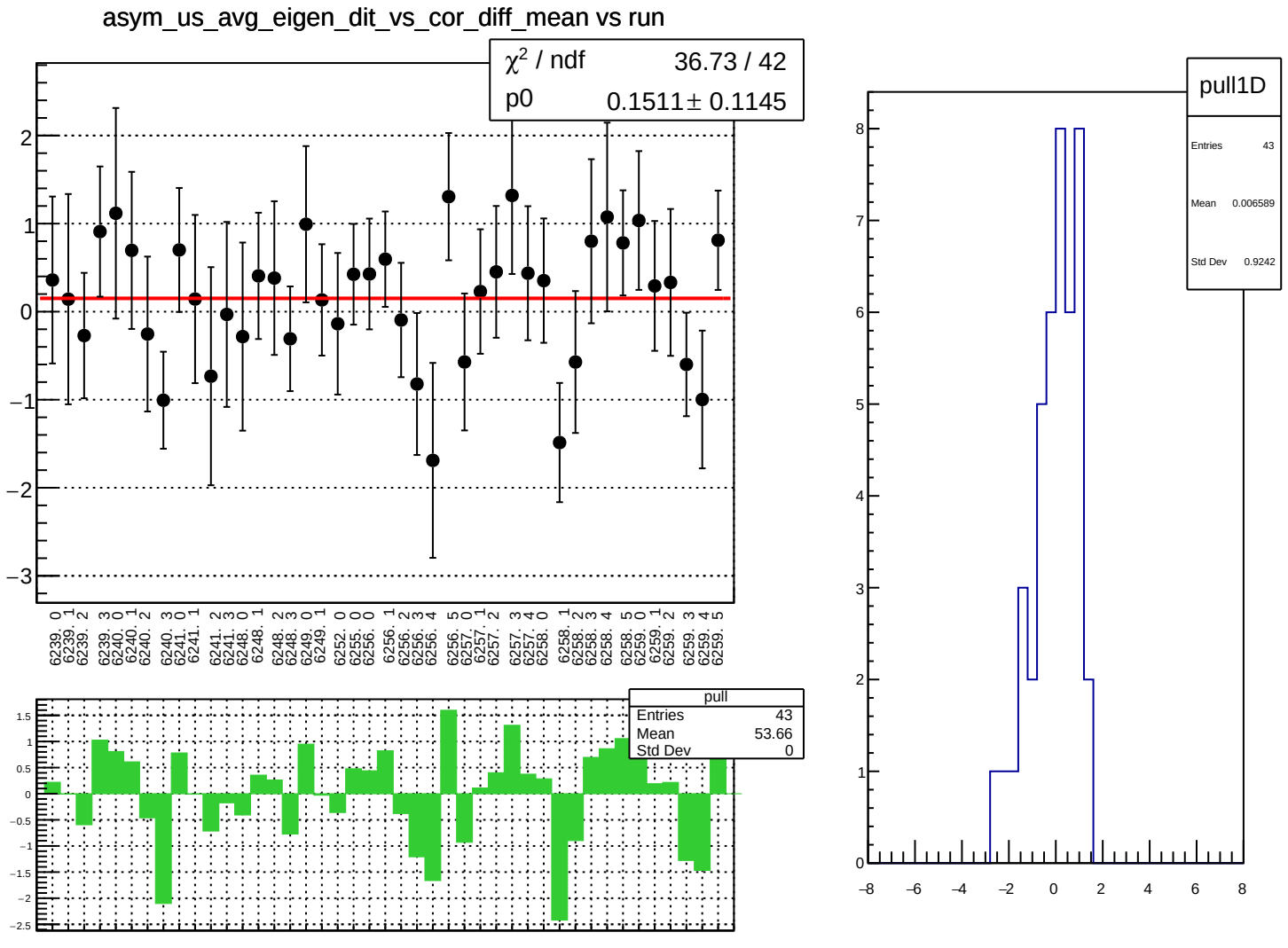

pull1D
Entries 43
Mean 0.02677
Std Dev 0.897

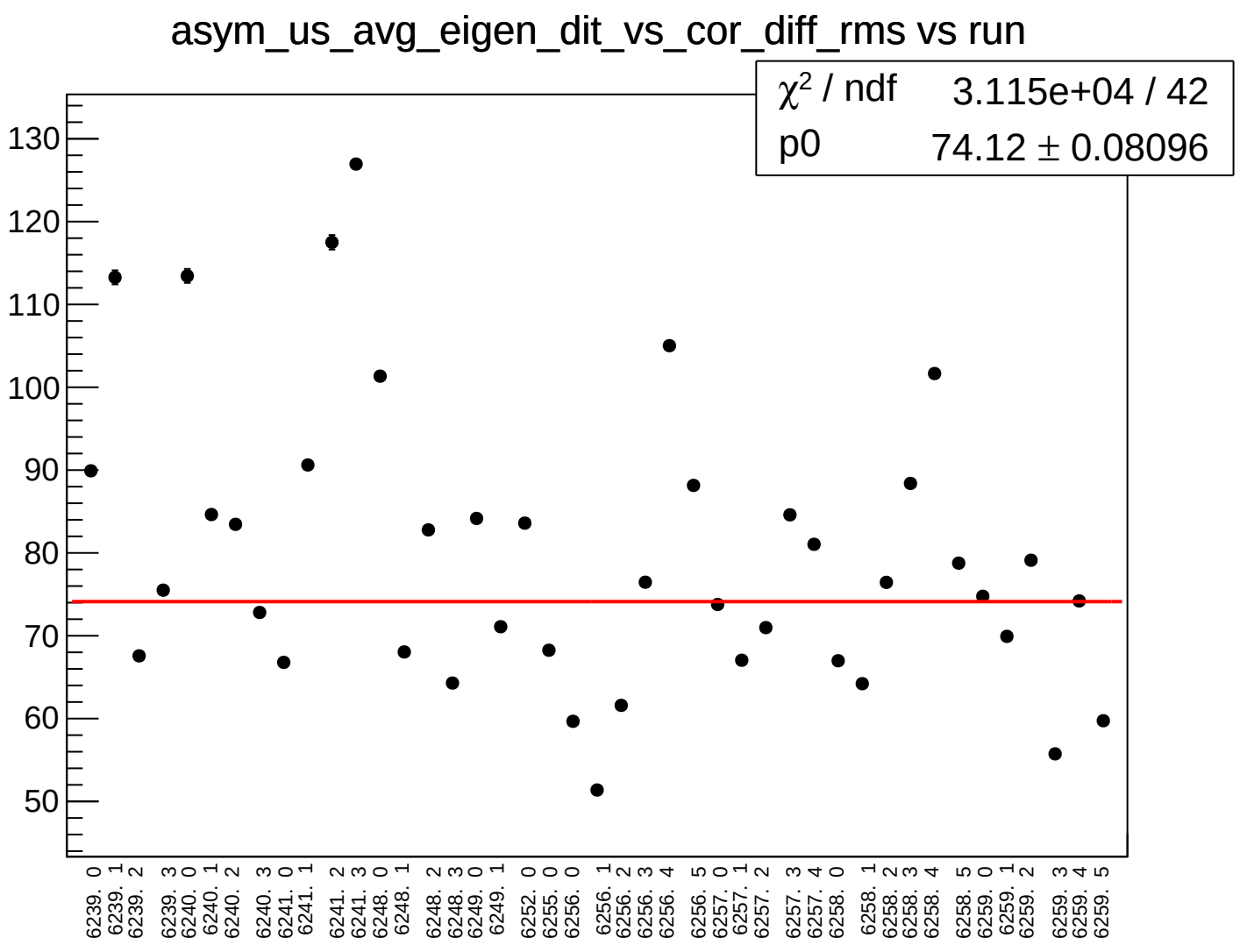

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.472e+04 / 42
p0 99.39 ± 0.1081
150
140
130
120
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

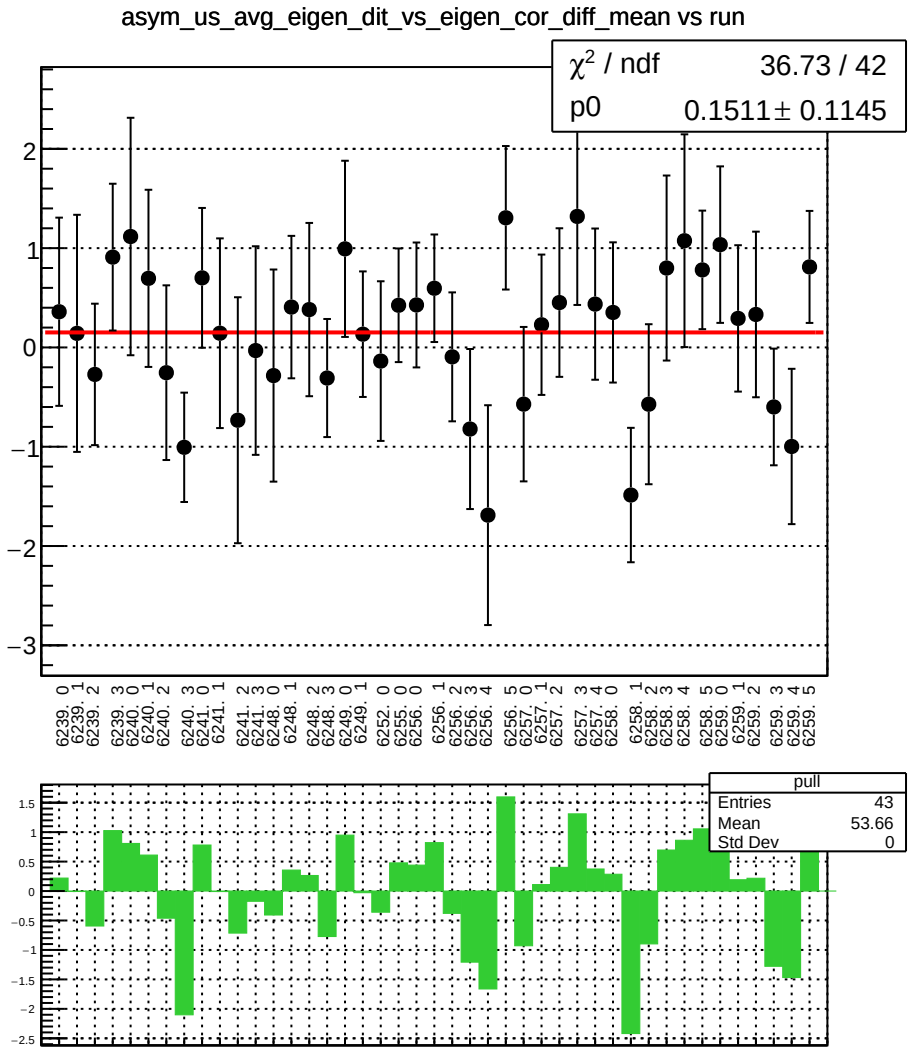

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 37.2 / 42
p0 −3.417e−06 ± 4.716e−06
0.1
0.05
0
−0.05
−0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.41
Std Dev 0
3
2
1
0
−1
−2

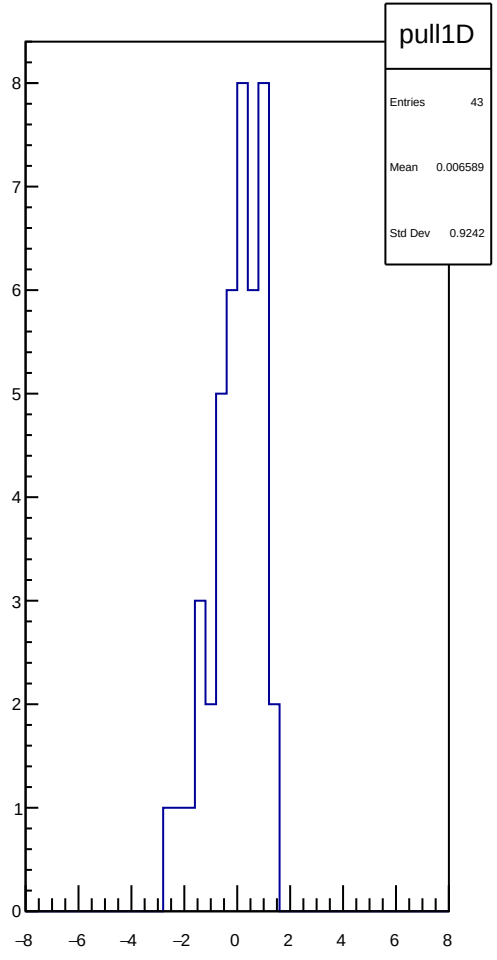

pull1D
Entries 43
Mean −0.04779
Std Dev 0.9289
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

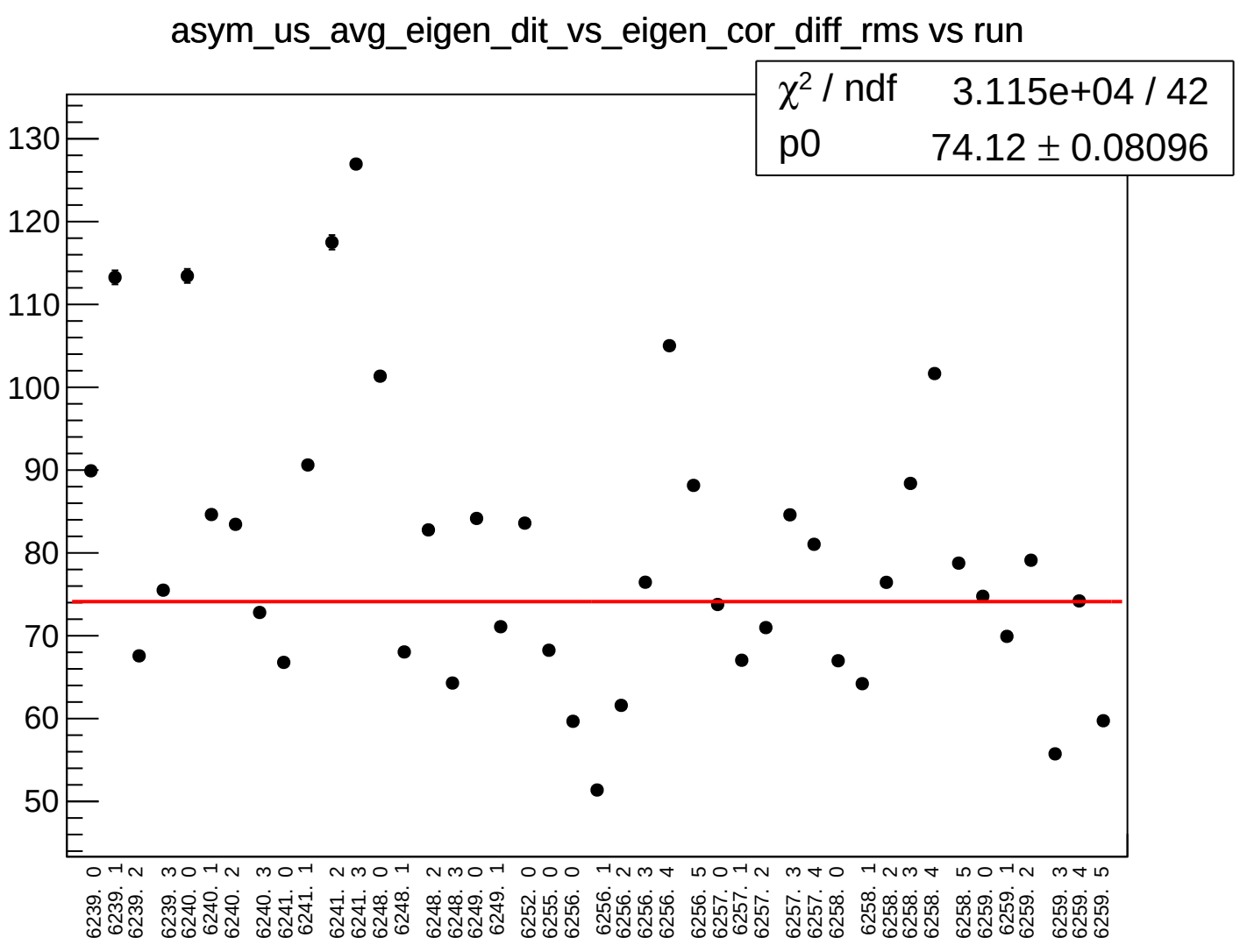

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4637 / 42
p0 0.003101 ± 3.334e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

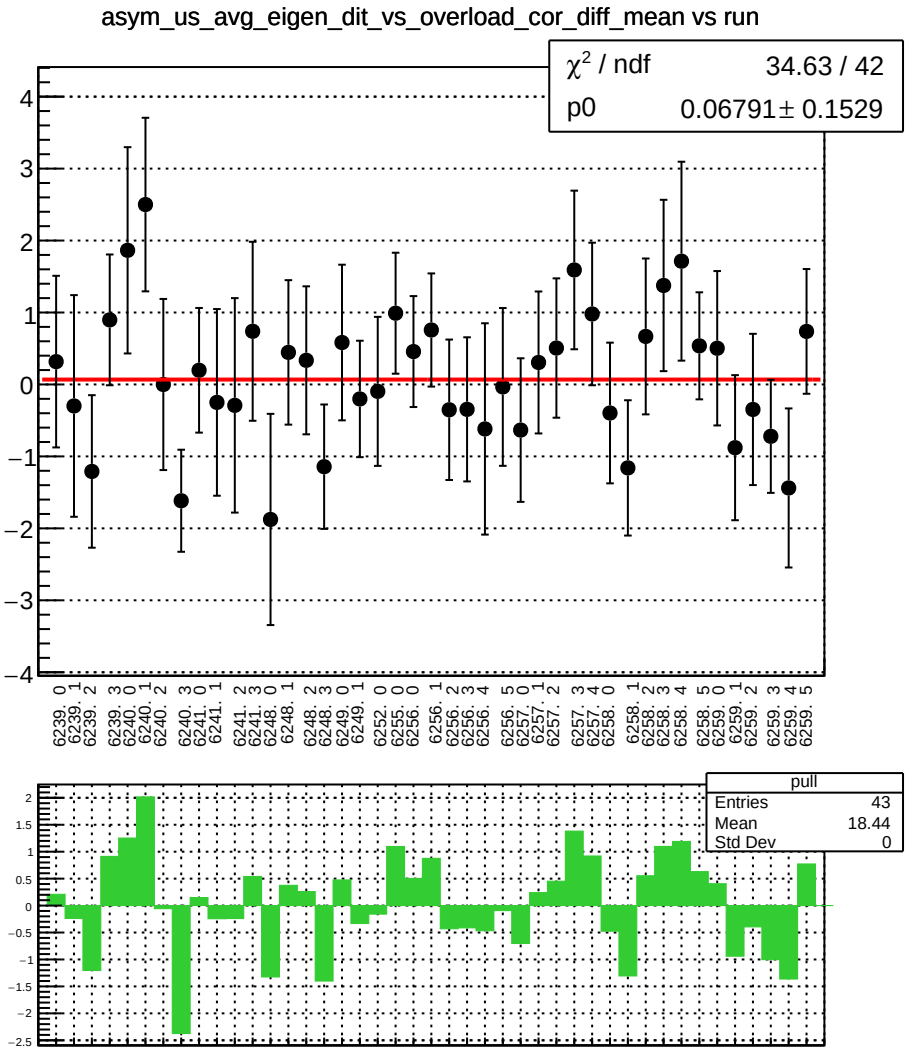

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.73 / 42
p0 0.1511 ± 0.1145
pull
Entries 43
Mean 53.66
Std Dev 0
pull1D
Entries 43
Mean 0.006589
Std Dev 0.9242

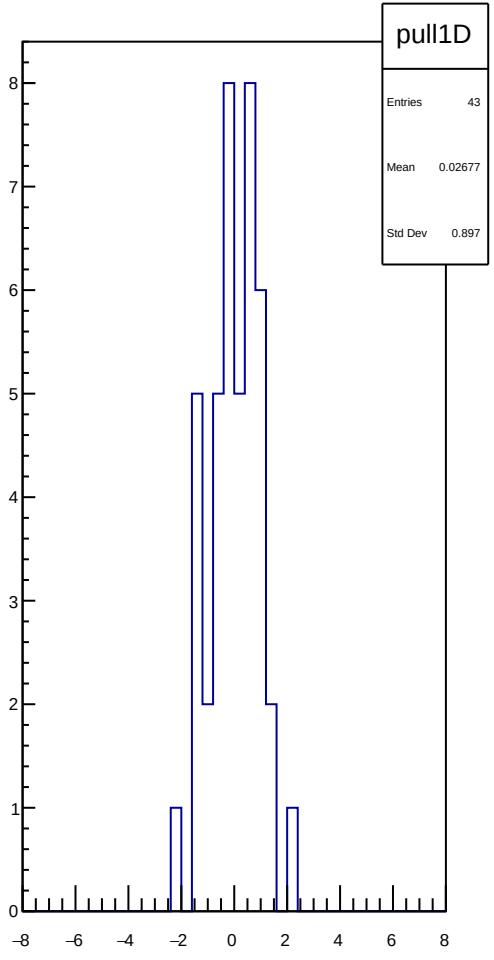

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.115e+04 / 42
p0 74.12 ± 0.08096
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

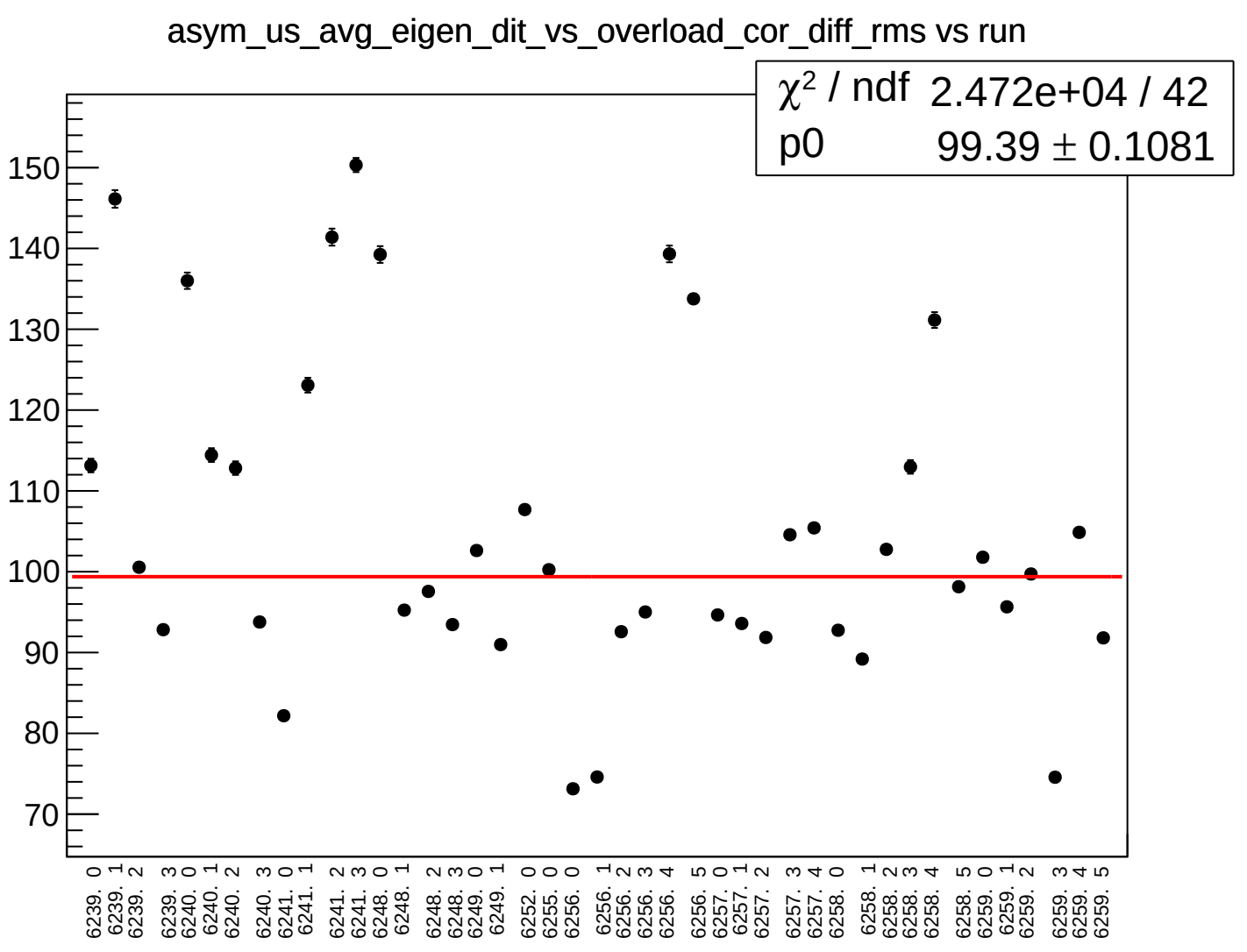

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.73 / 42
p0 0.1511 ± 0.1145
pull
Entries 43
Mean 53.66
Std Dev 0

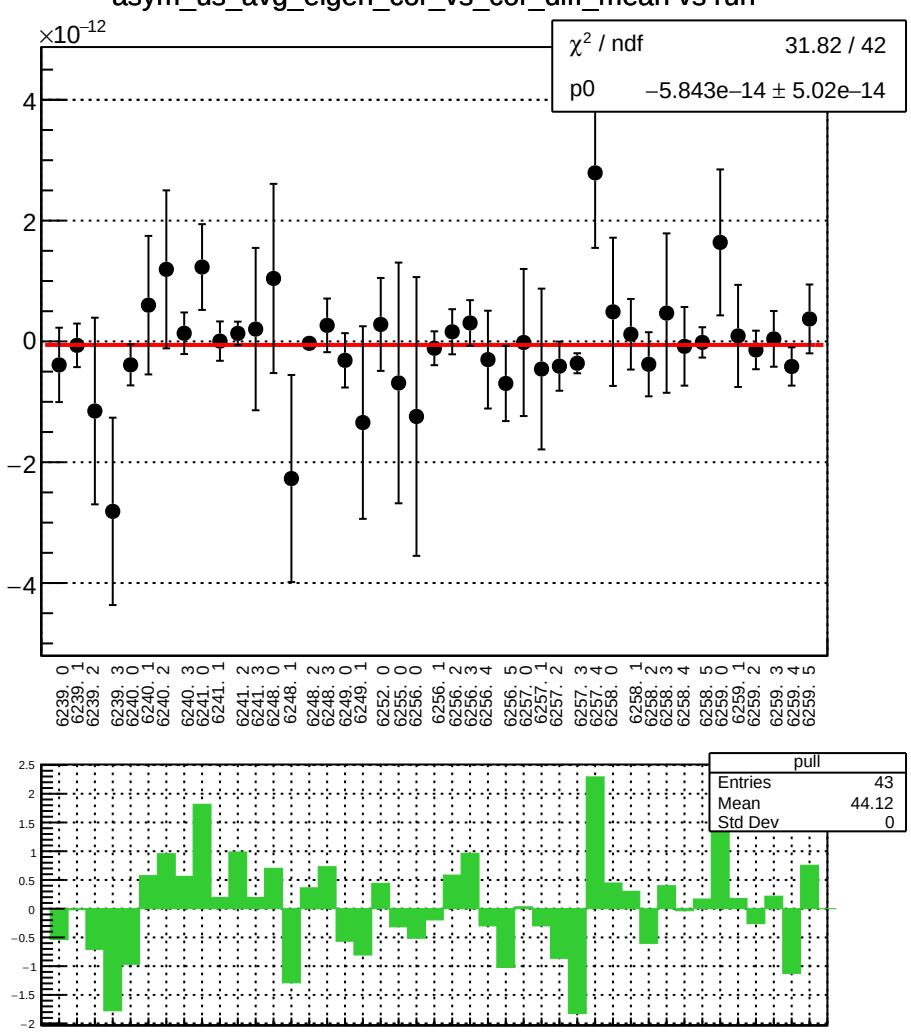

pull1D
Entries 43
Mean 0.006589
Std Dev 0.9242

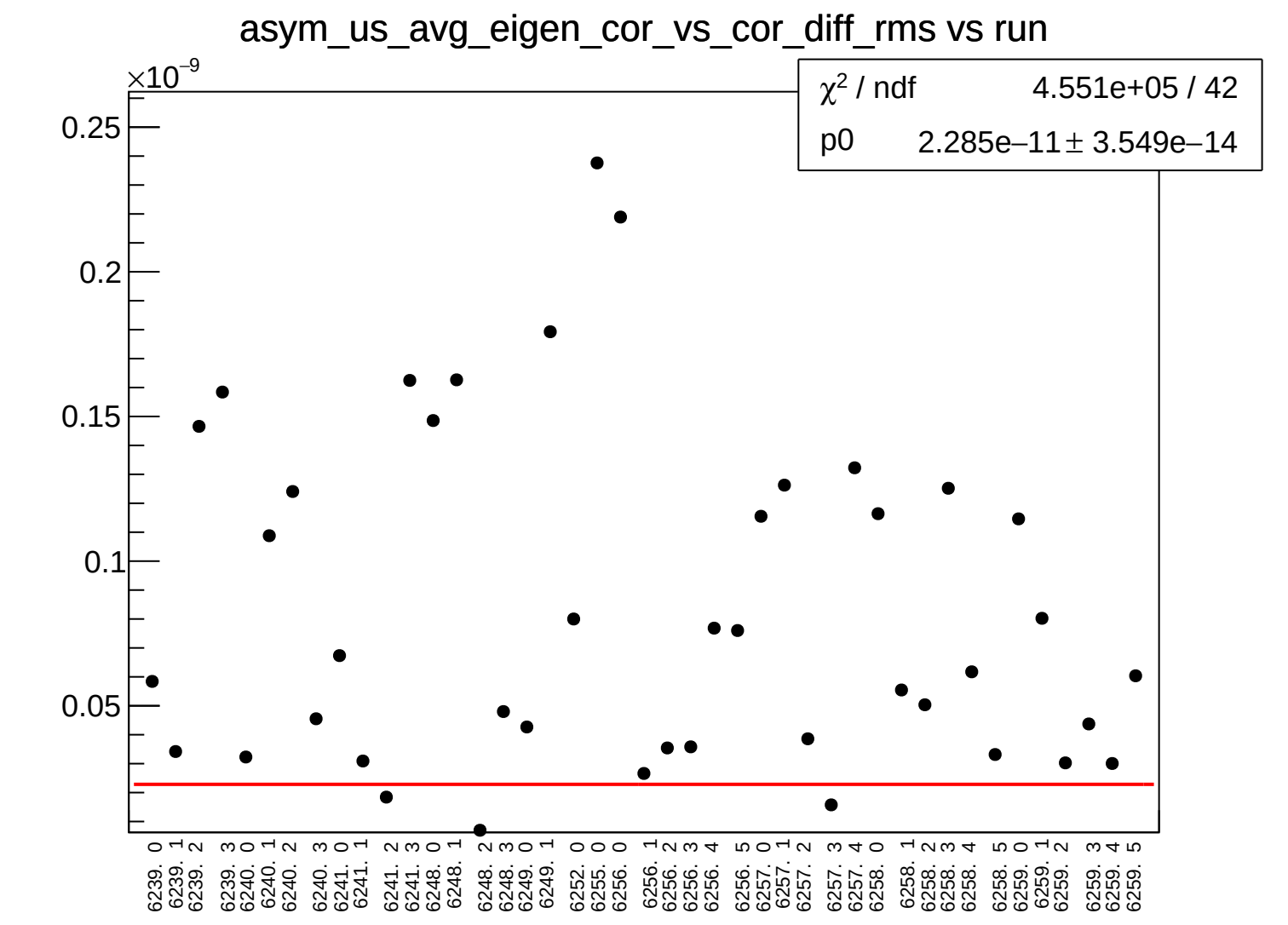

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.115e+04 / 42
p0 74.12 ± 0.08096
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

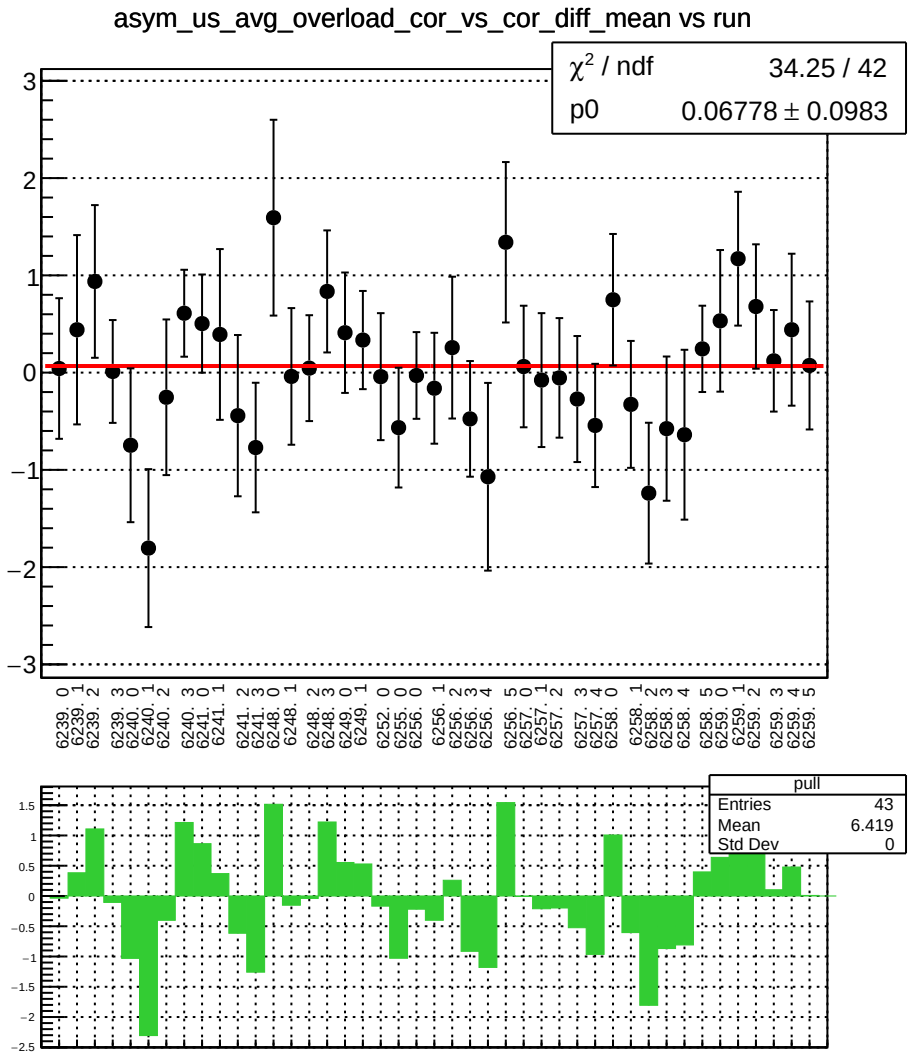

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 34.63 / 42
p0 0.06791 ± 0.1529
pull
Entries 43
Mean 18.44
Std Dev 0

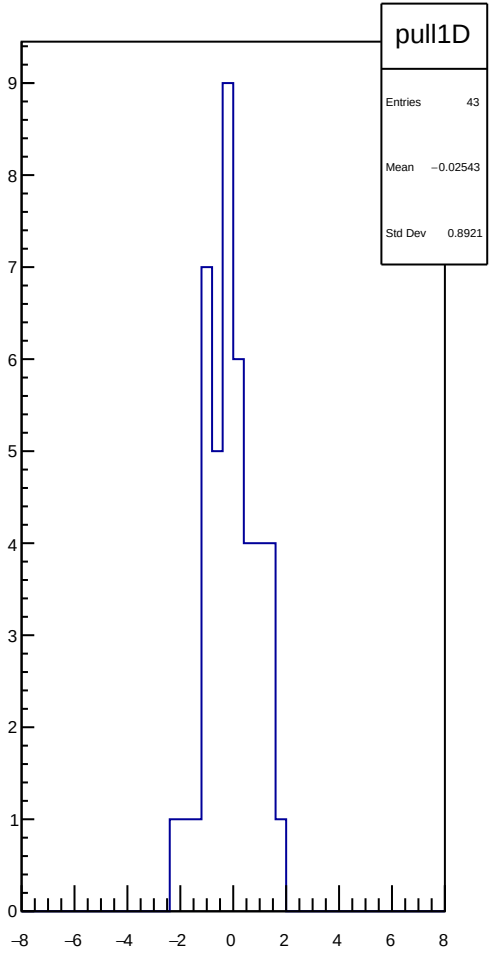

pull1D
Entries 43
Mean 0.02677
Std Dev 0.897

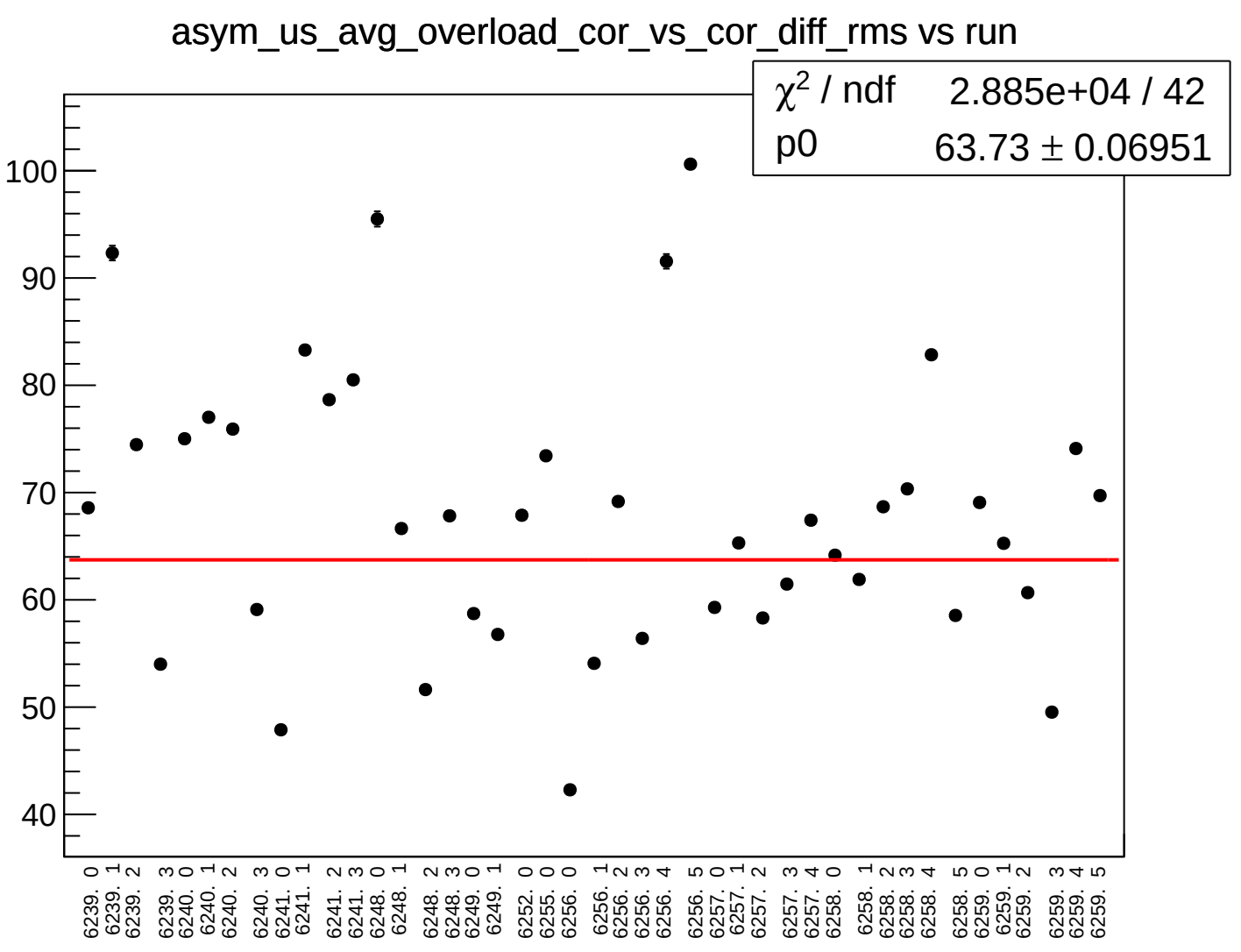

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.472e+04 / 42
p0 99.39 ± 0.1081
150
140
130
120
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

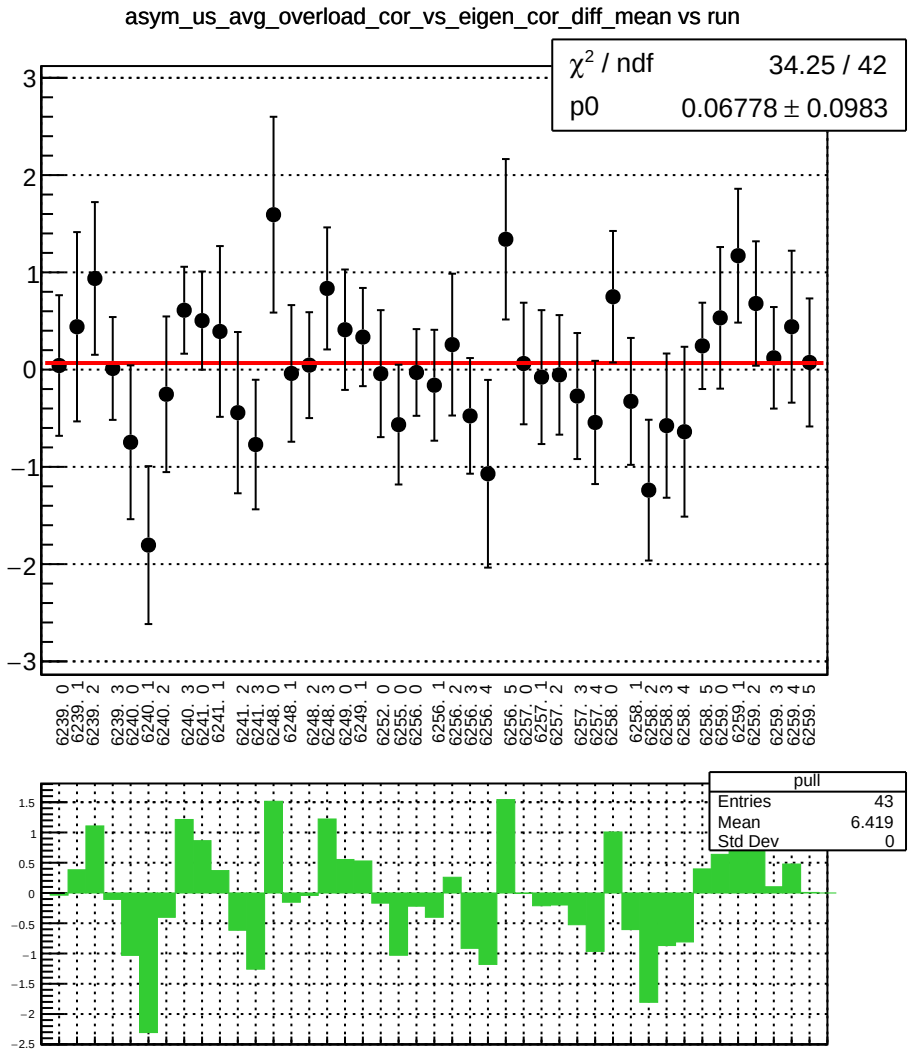

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 31.82 / 42
p0 −5.843e−14 ± 5.02e−14
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.12
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02902
Std Dev 0.8597
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

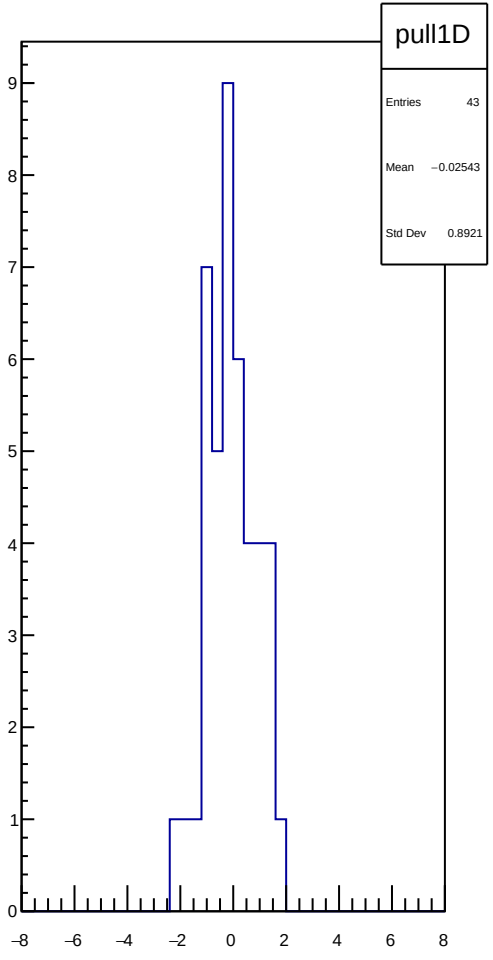

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.551e+05 / 42
p0 2.285e−11 ± 3.549e−14
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

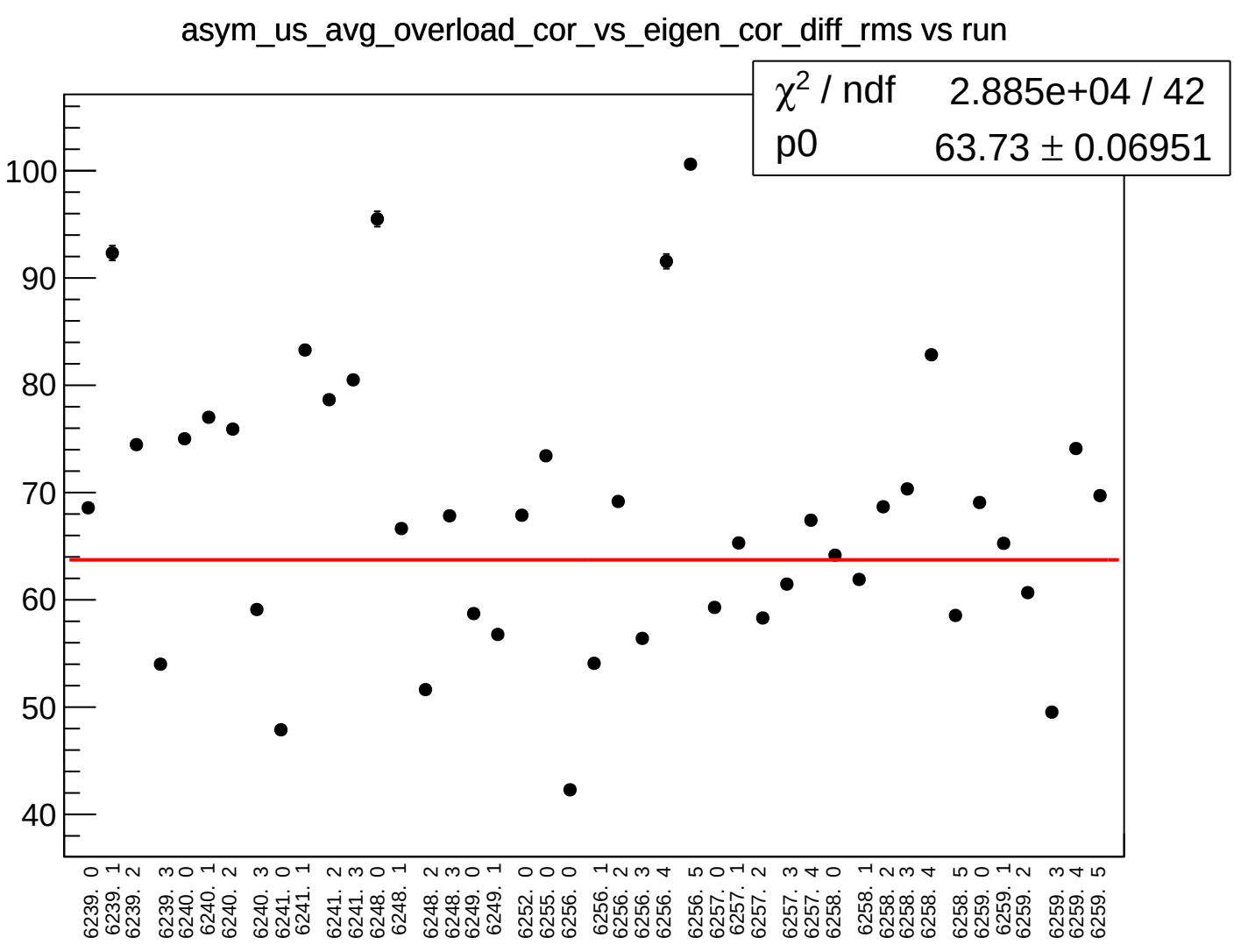

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 34.25 / 42
p0 0.06778 ± 0.0983
pull
Entries 43
Mean 6.419
Std Dev 0

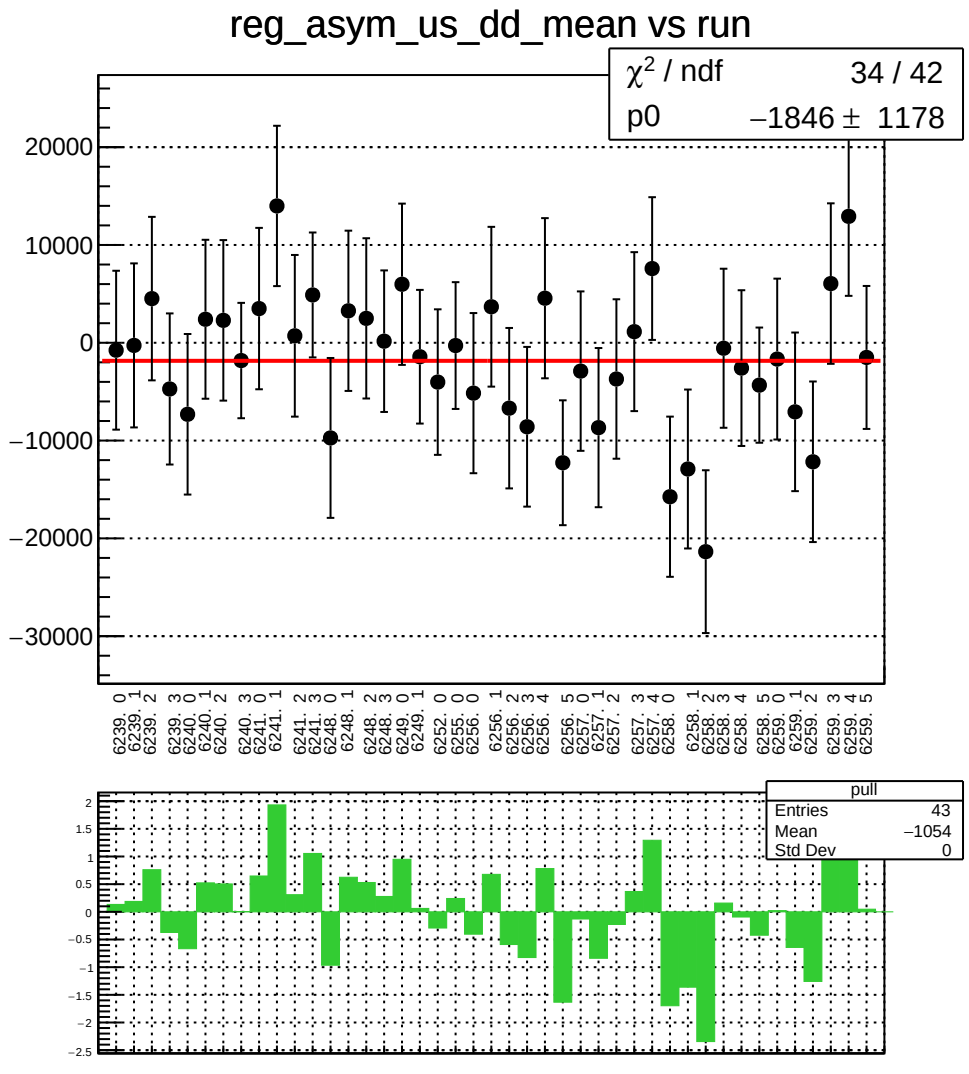

pull1D
Entries 43
Mean −0.02543
Std Dev 0.8921

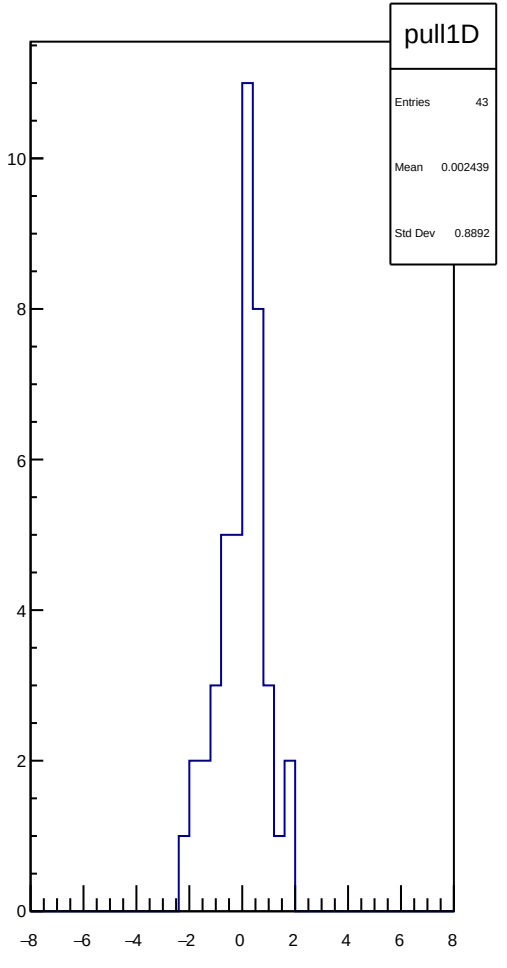

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.885e+04 / 42
p0 63.73 ± 0.06951
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

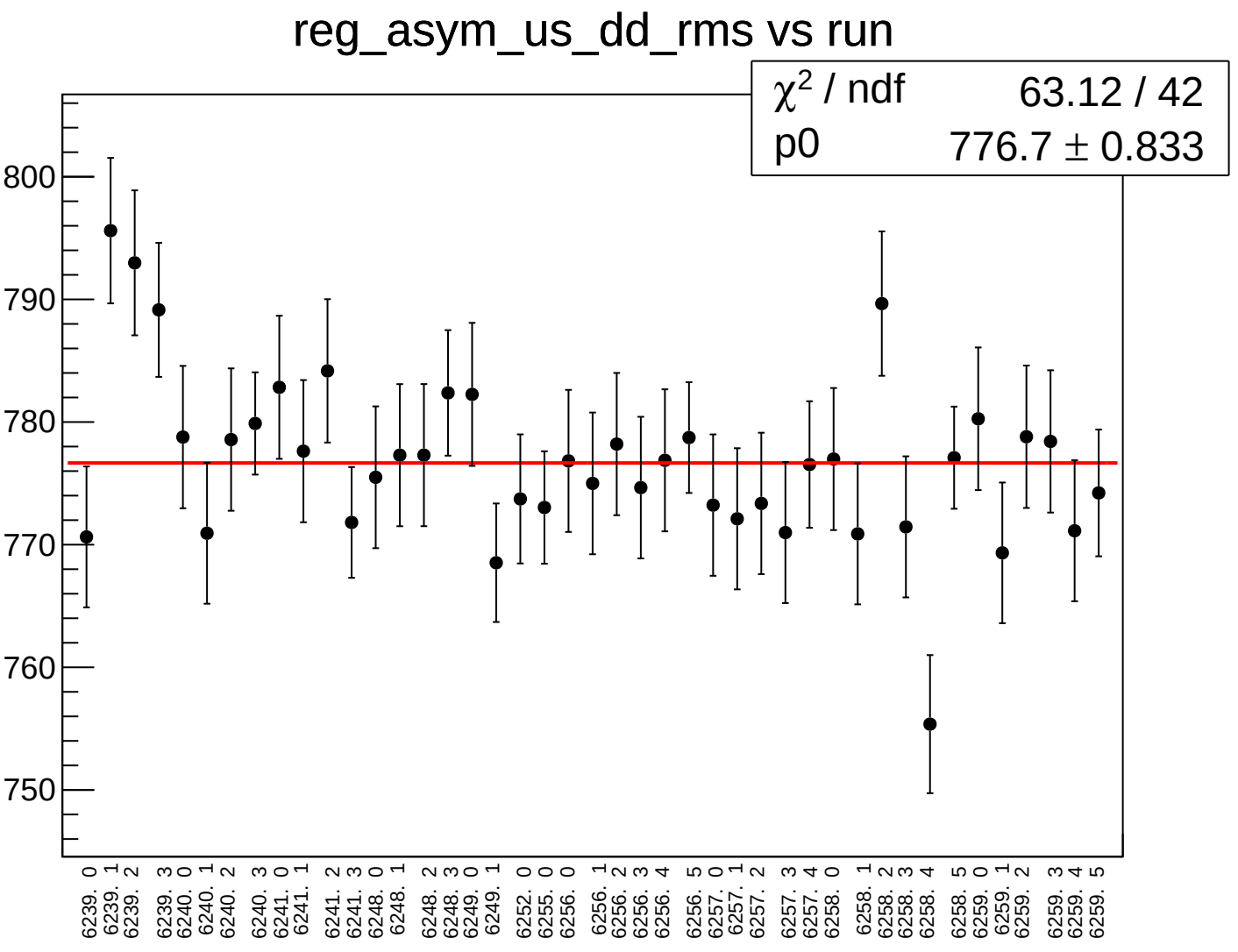

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.25 / 42
p0 0.06778 ± 0.0983
pull
Entries 43
Mean 6.419
Std Dev 0

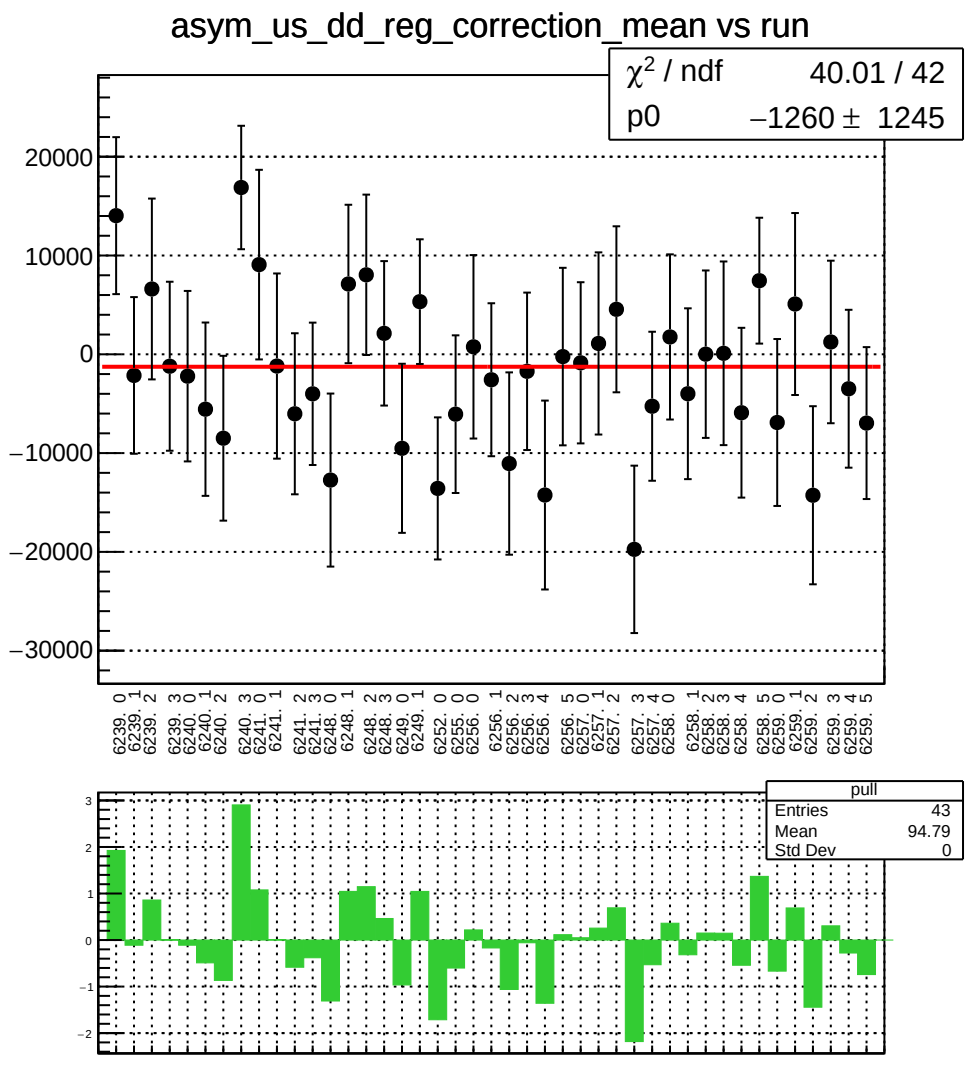

pull1D
Entries 43
Mean −0.02543
Std Dev 0.8921

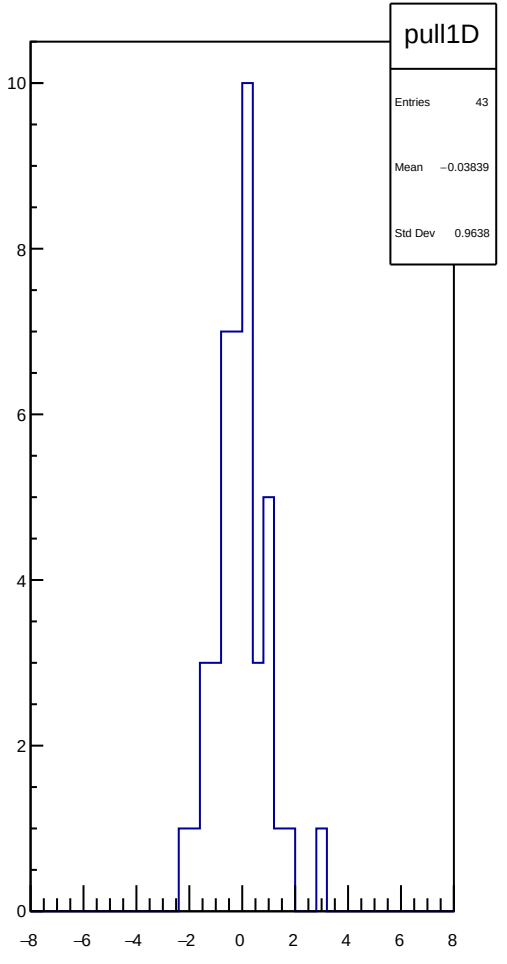

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ2 / ndf 2.885e+04 / 42
p0 63.73 ± 0.06951
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

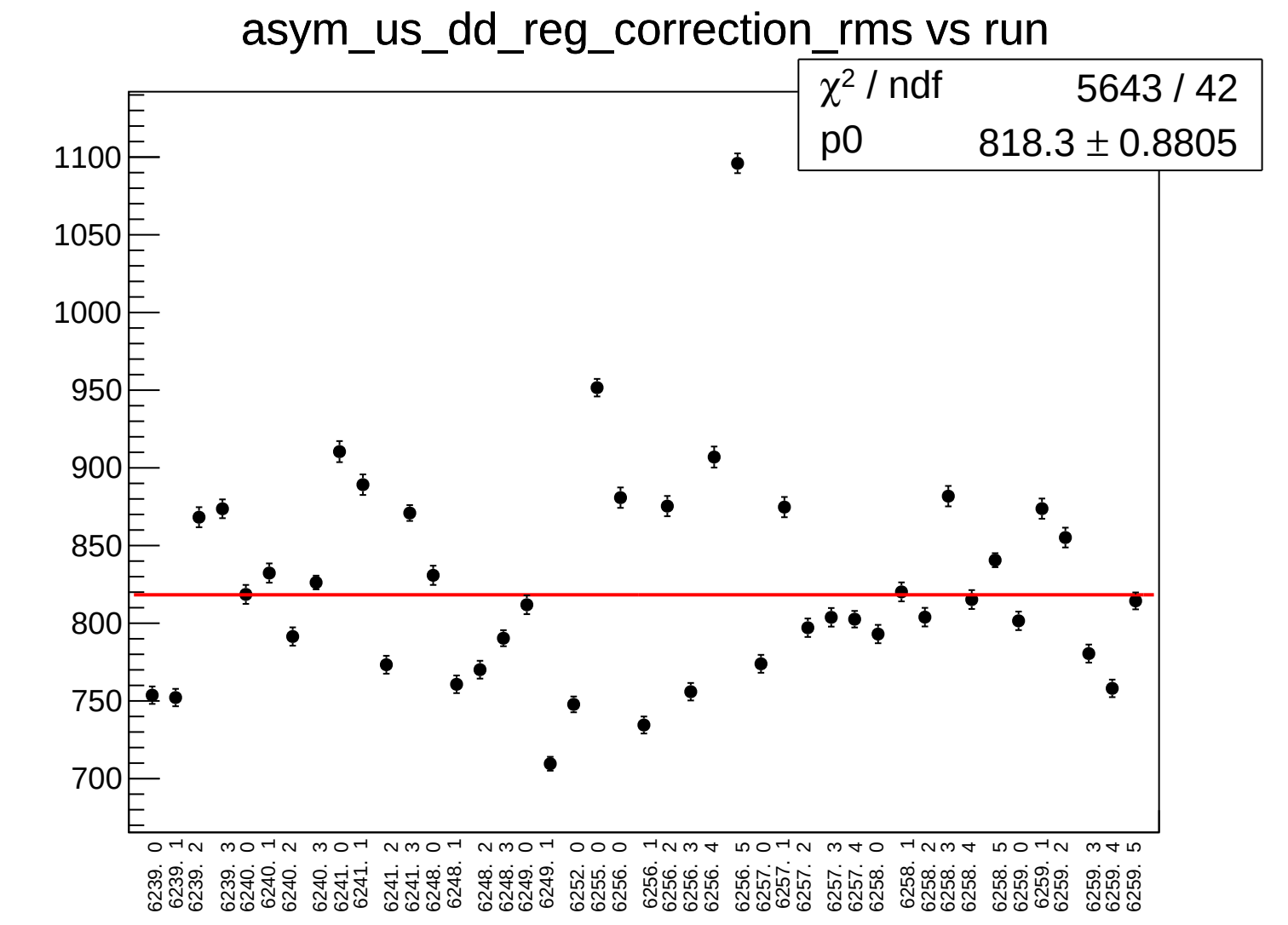

reg_asym_us_dd_mean vs run
χ² / ndf 34 / 42
p0 −1846 ± 1178
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1054
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

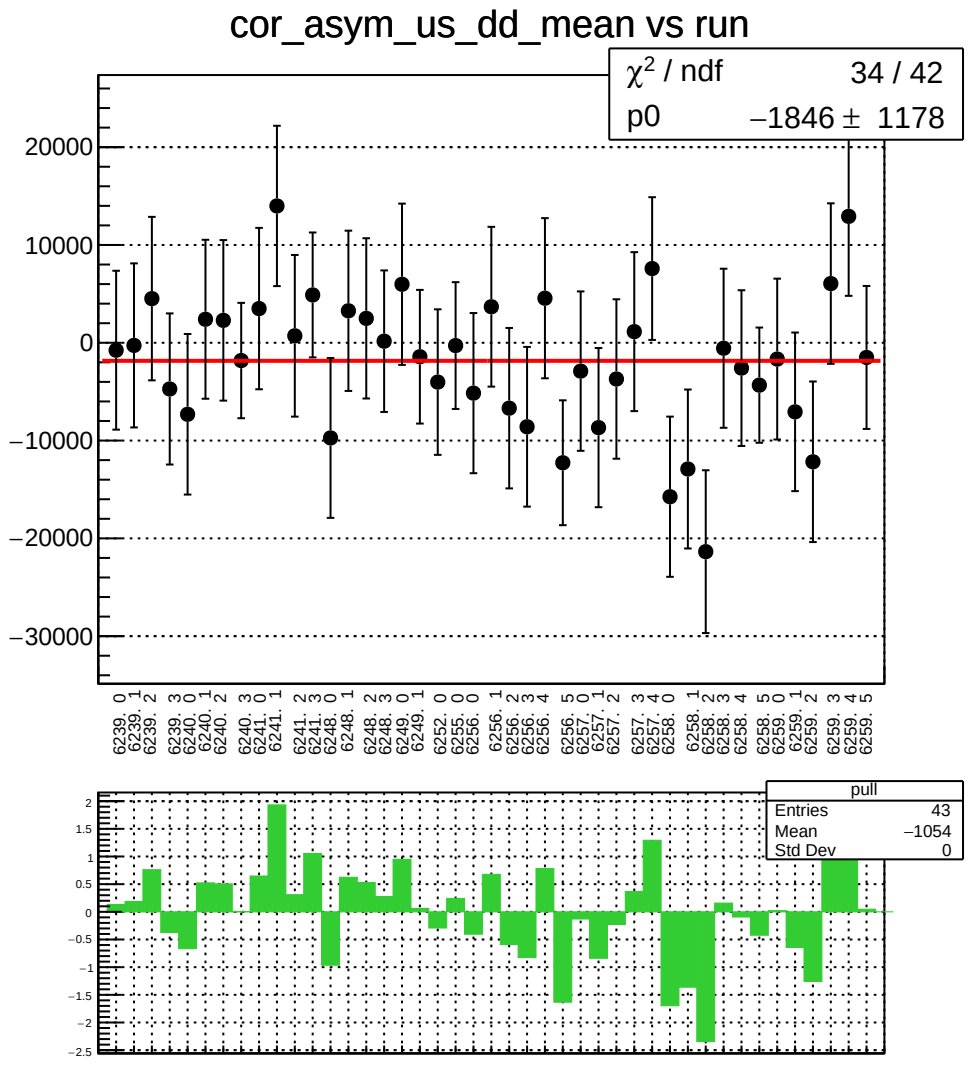

pull1D
Entries 43
Mean 0.002439
Std Dev 0.8892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

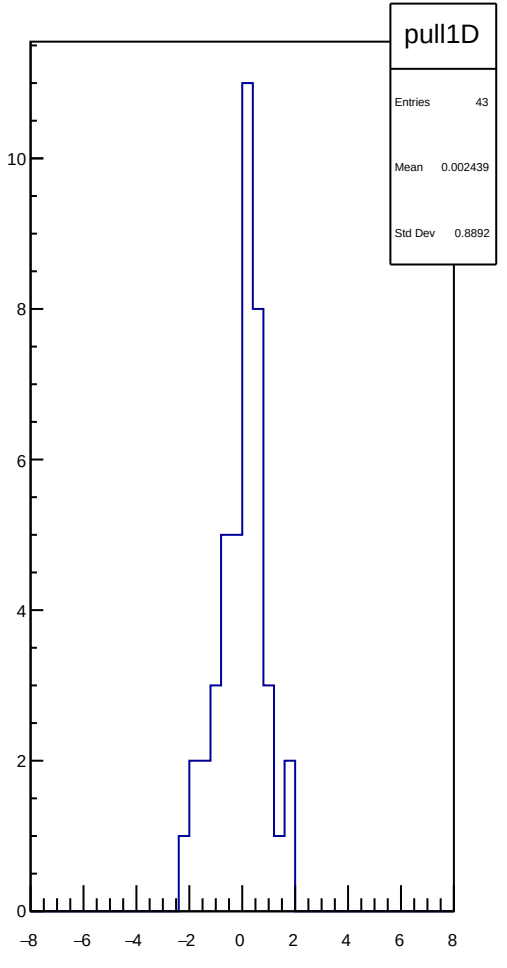

reg_asym_us_dd_rms vs run
$\chi^2$ / ndf 63.12 / 42
p0 776.7 ± 0.833
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

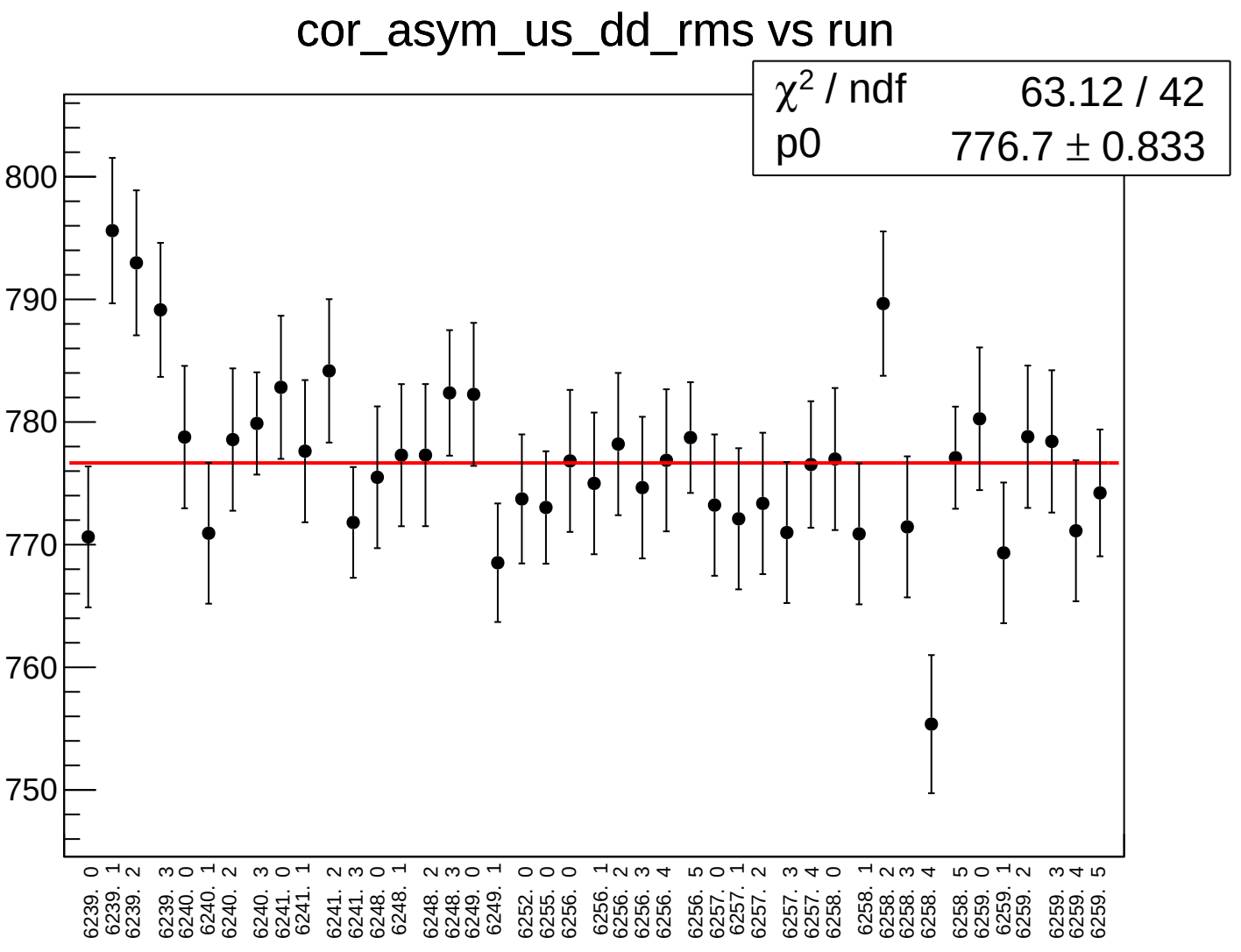

asym_us_dd_reg_correction_mean vs run
χ² / ndf 40.01 / 42
p0 −1260 ± 1245
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.79
Std Dev 0
3
2
1
0
−1
−2

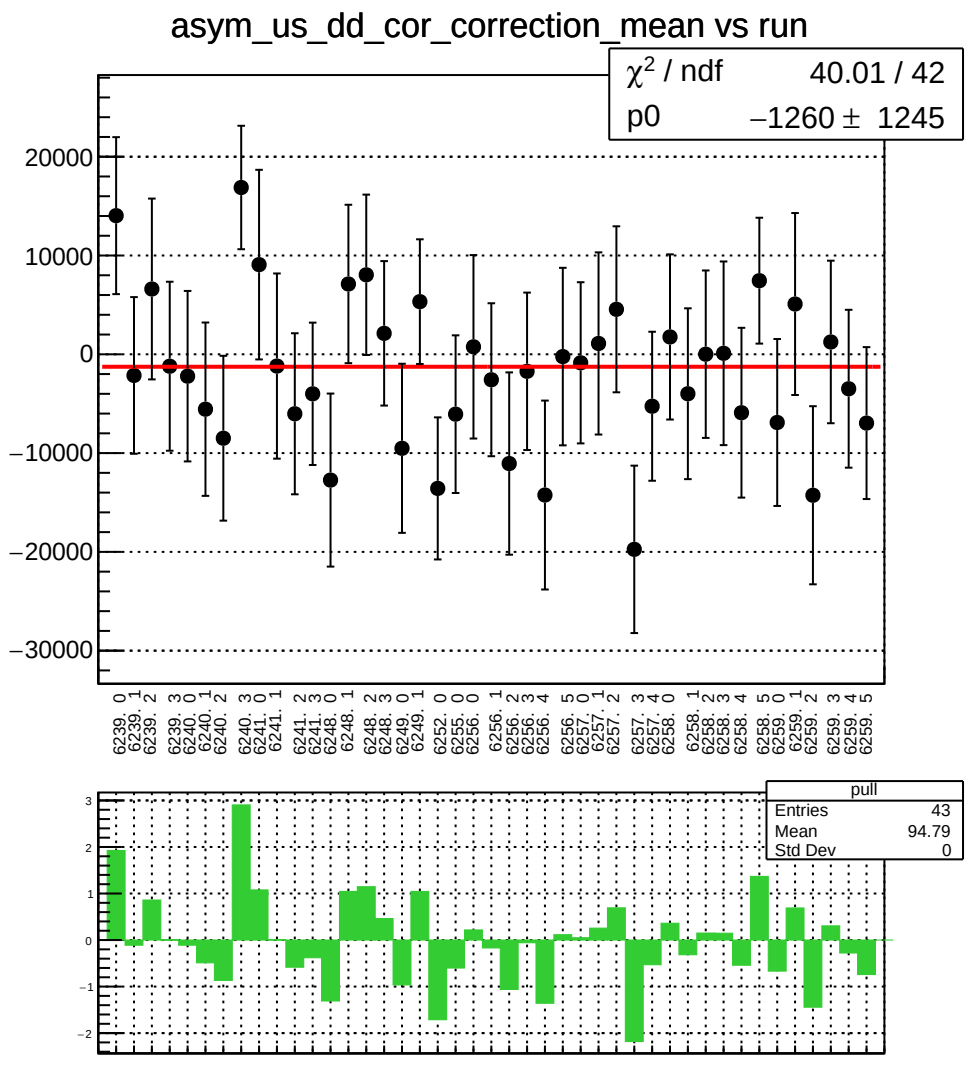

pull1D
Entries 43
Mean −0.03839
Std Dev 0.9638
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

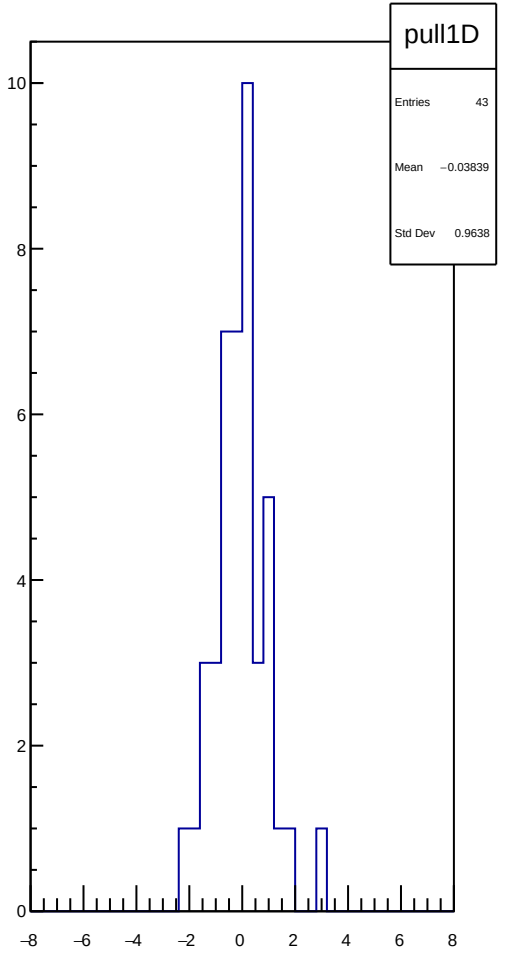

asym_us_dd_reg_correction_rms vs run
χ² / ndf 5643 / 42
p0 818.3 ± 0.8805
1100
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

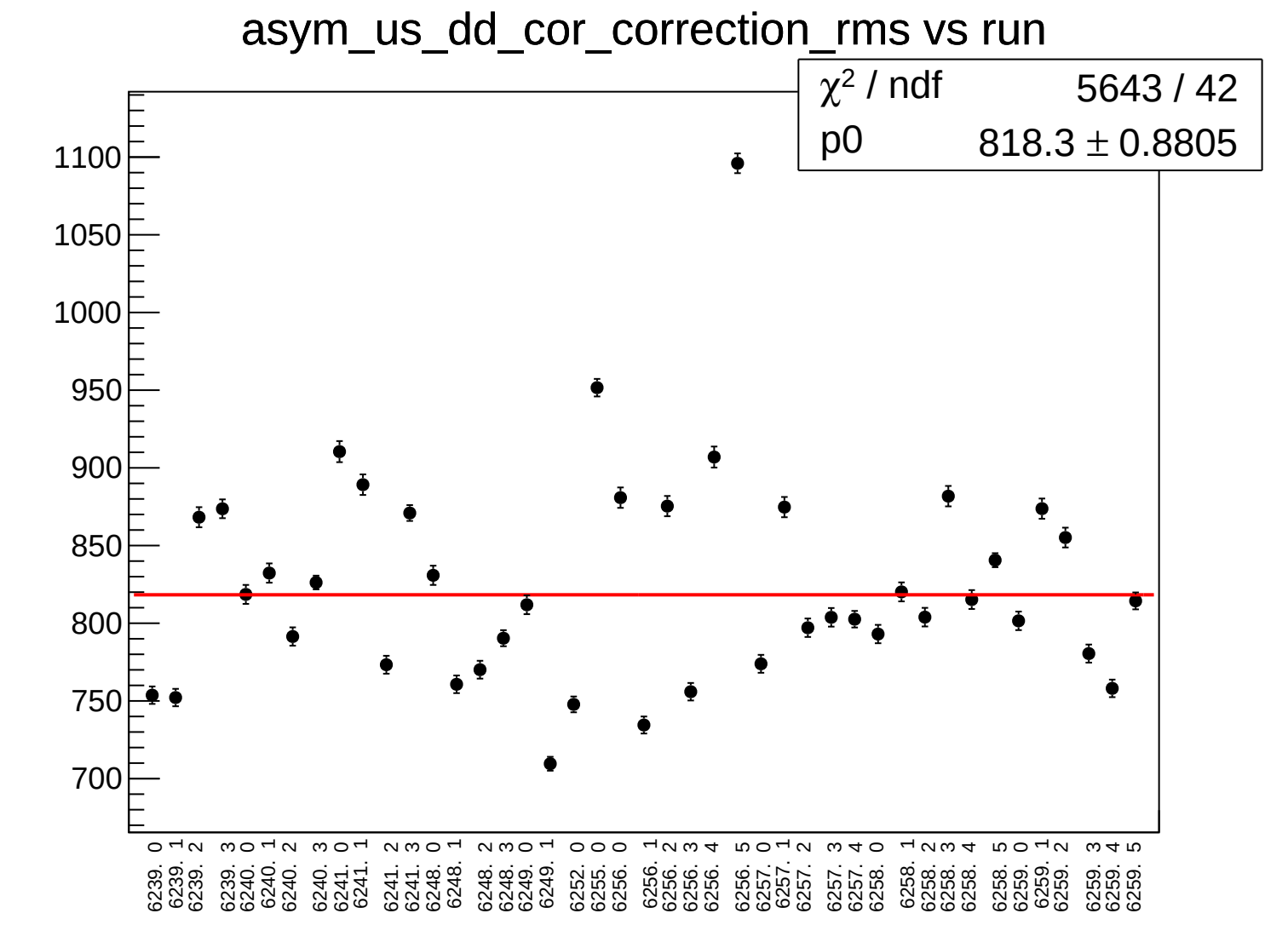

cor_asym_us_dd_mean vs run
χ² / ndf 34 / 42
p0 −1846 ± 1178
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1054
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

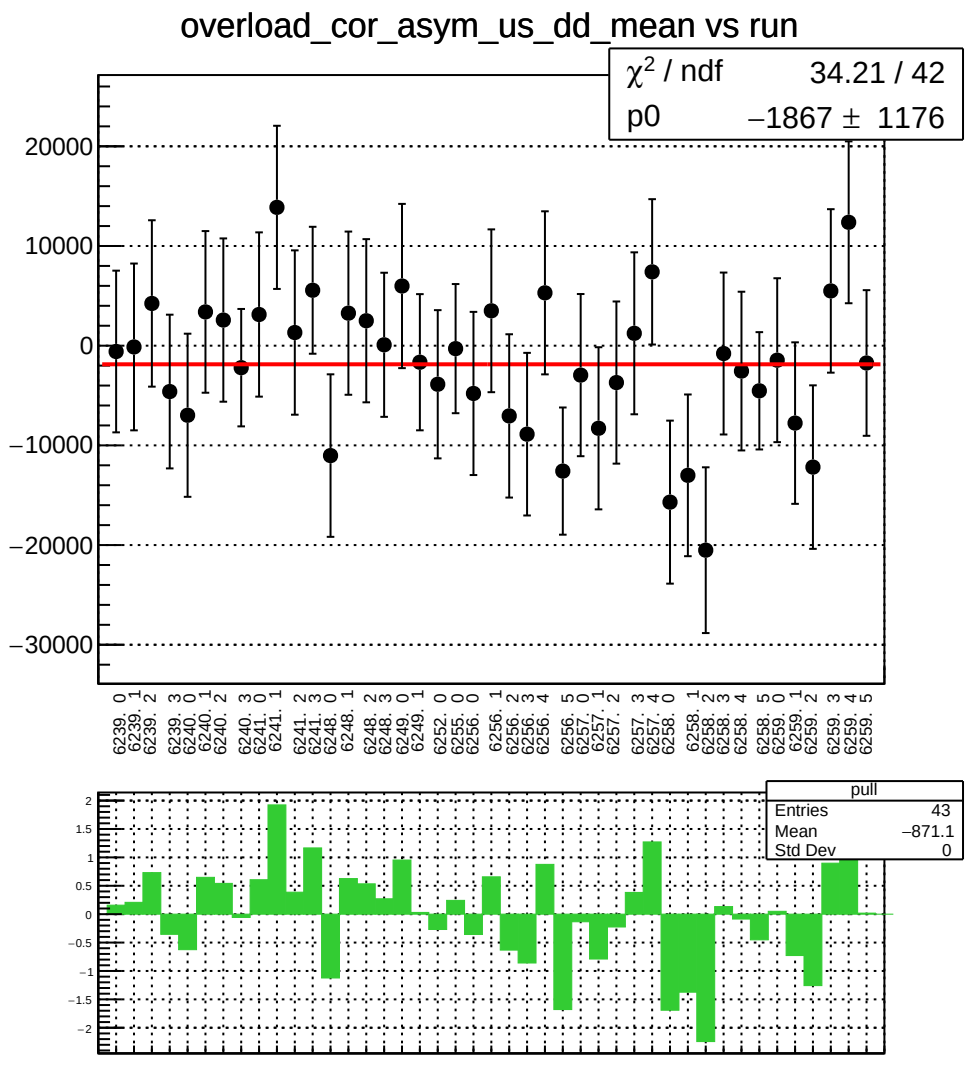

pull1D
Entries 43
Mean 0.002439
Std Dev 0.8892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

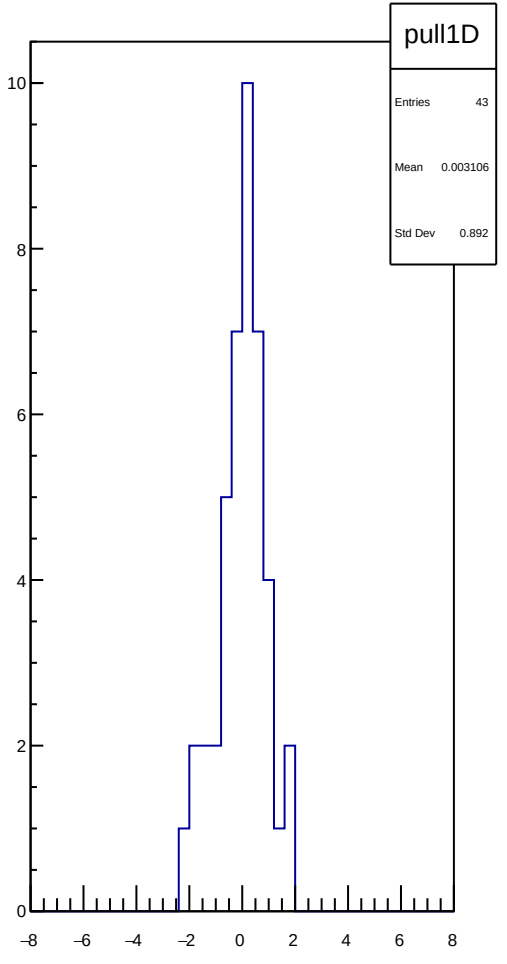

cor_asym_us_dd_rms vs run
$\chi^2$ / ndf 63.12 / 42
p0 776.7 ± 0.833
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

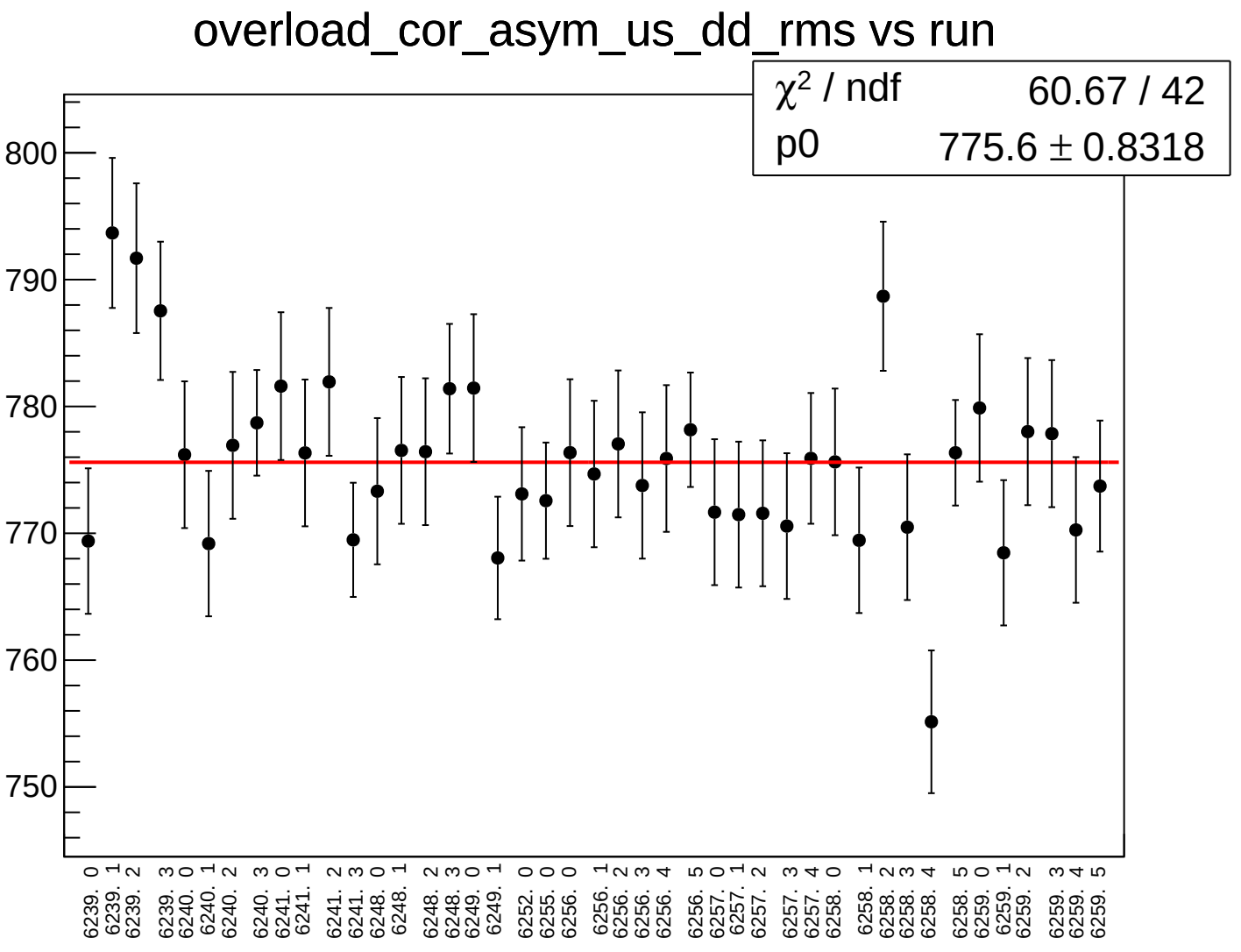

asym_us_dd_cor_correction_mean vs run
χ² / ndf 40.01 / 42
p0 −1260 ± 1245
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.79
Std Dev 0
3
2
1
0
−1
−2

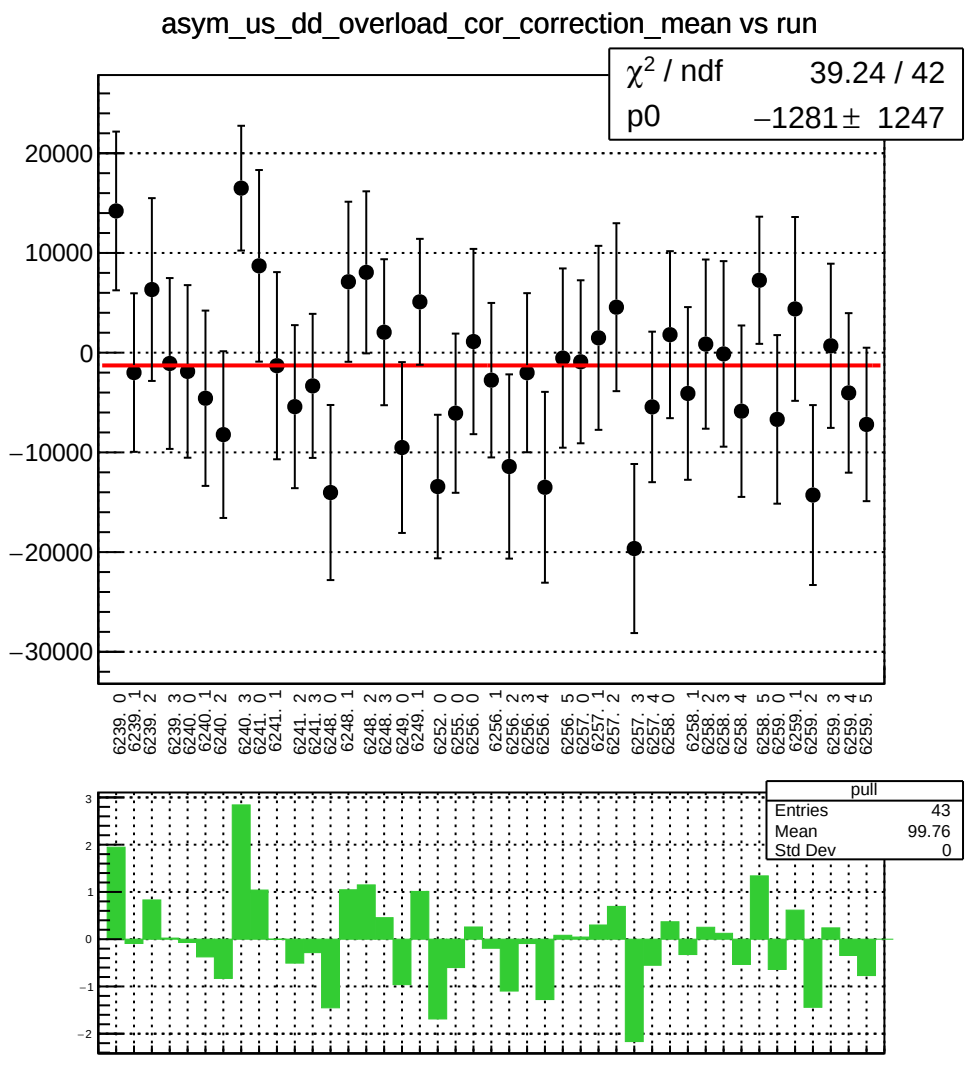

pull1D
Entries 43
Mean −0.03839
Std Dev 0.9638
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

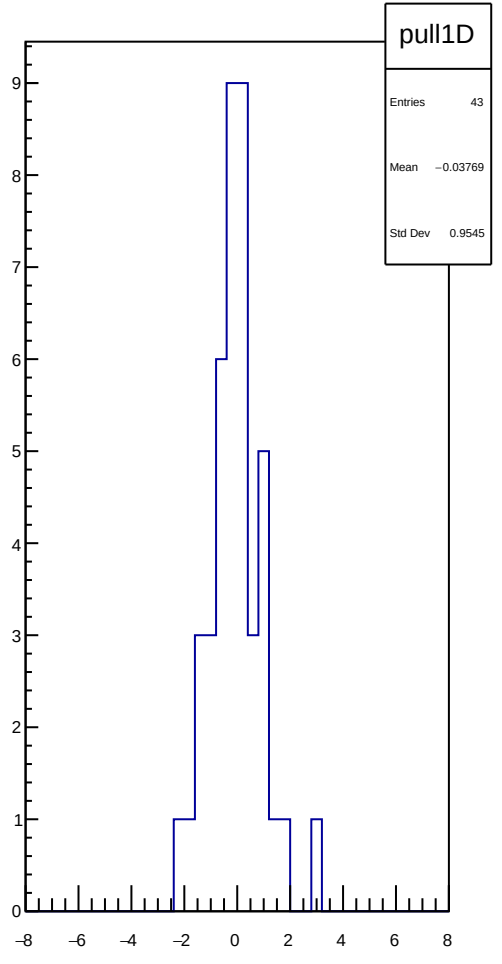

asym_us_dd_cor_correction_rms vs run
χ² / ndf 5643 / 42
p0 818.3 ± 0.8805
1100
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

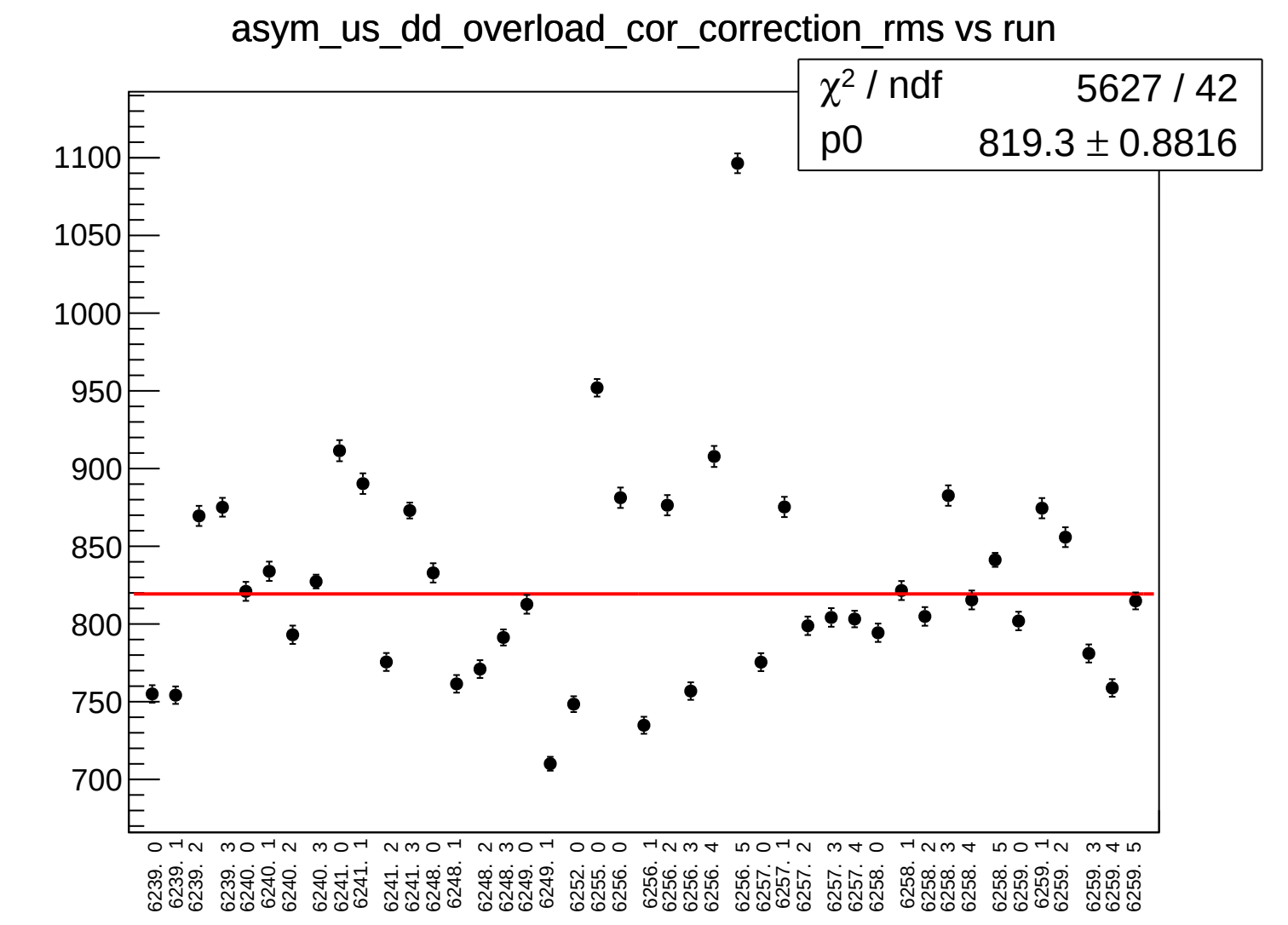

overload_cor_asym_us_dd_mean vs run
χ² / ndf 34.21 / 42
p0 −1867 ± 1176
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −871.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

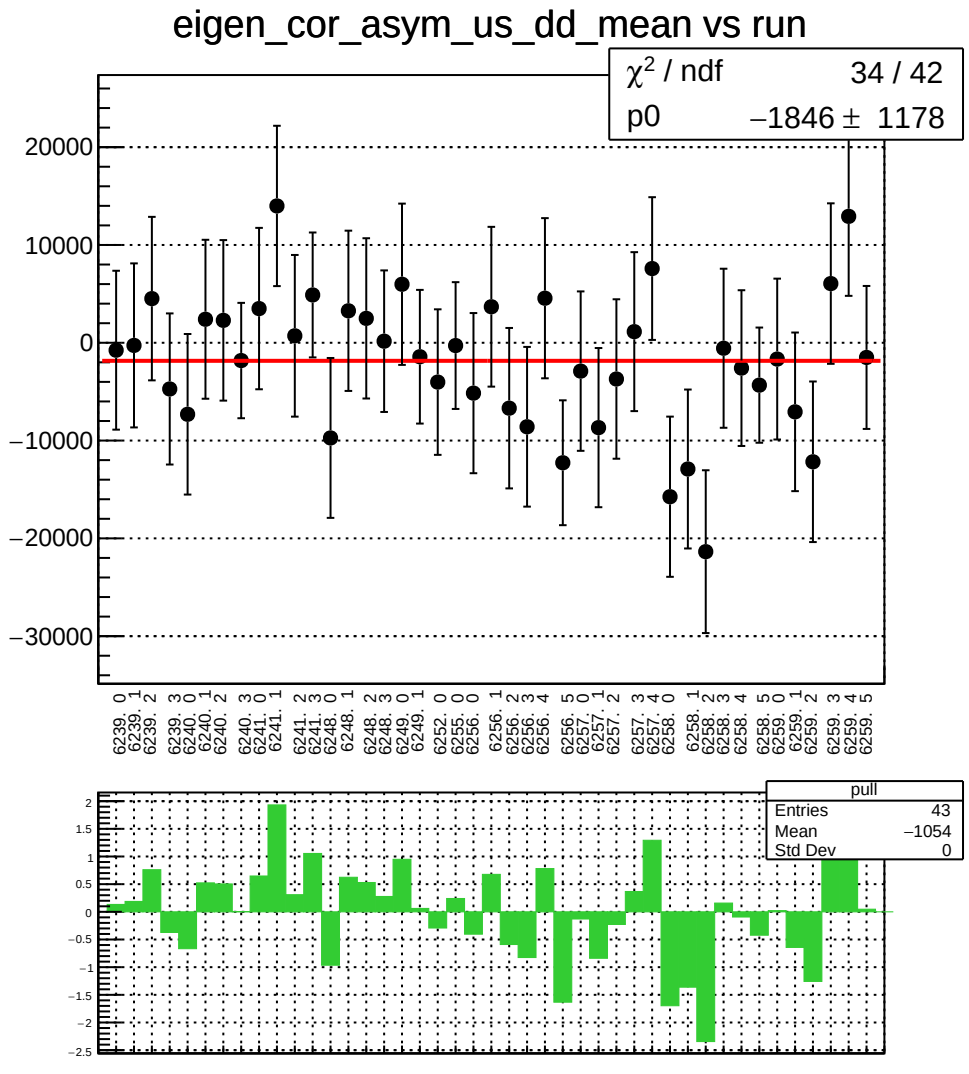

pull1D
Entries 43
Mean 0.003106
Std Dev 0.892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_dd_rms vs run
χ² / ndf 60.67 / 42
p0 775.6 ± 0.8318
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 39.24 / 42
p0 −1281 ± 1247
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 99.76
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03769
Std Dev 0.9545
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 5627 / 42
p0 819.3 ± 0.8816
1100
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 34 / 42
p0 −1846 ± 1178
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
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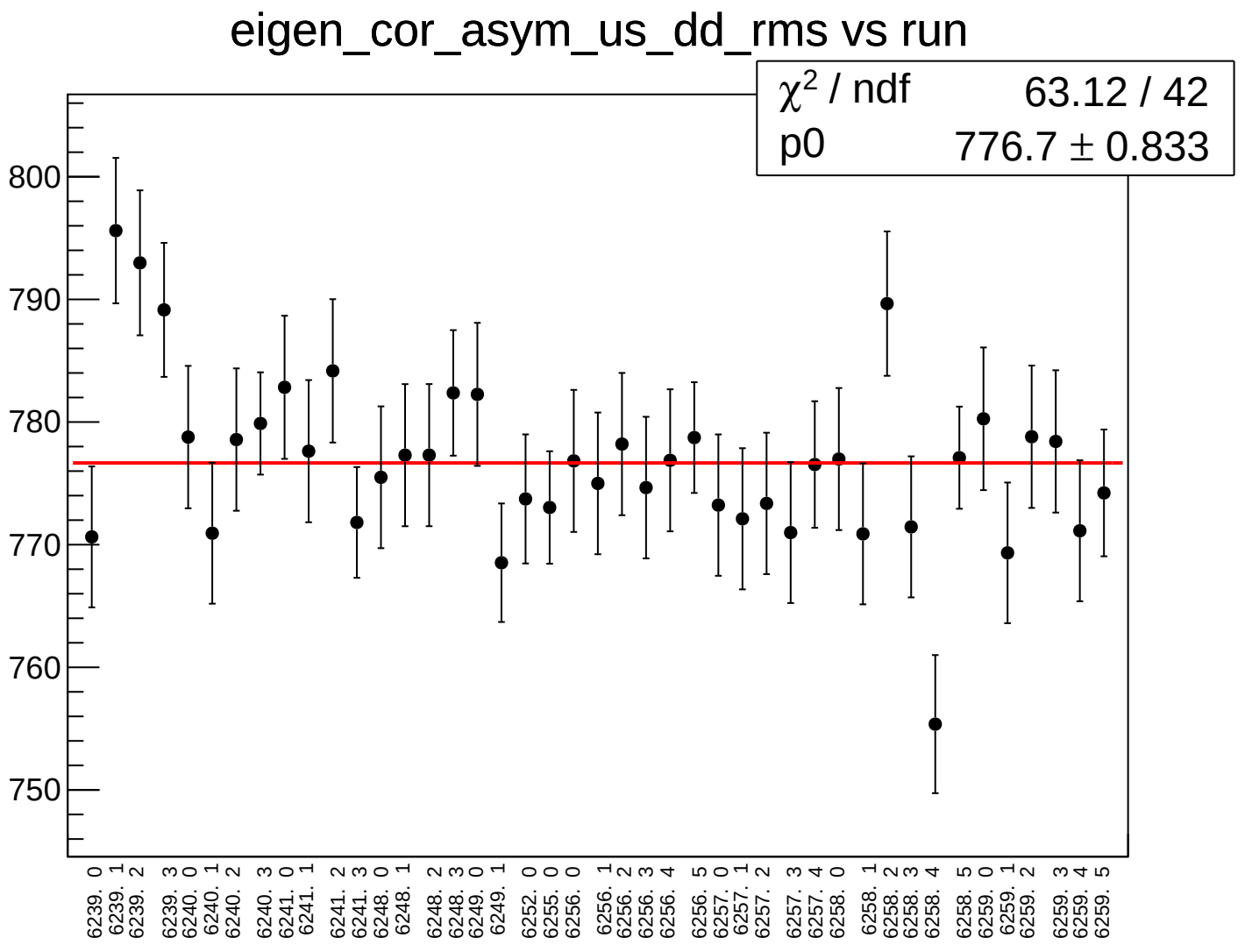
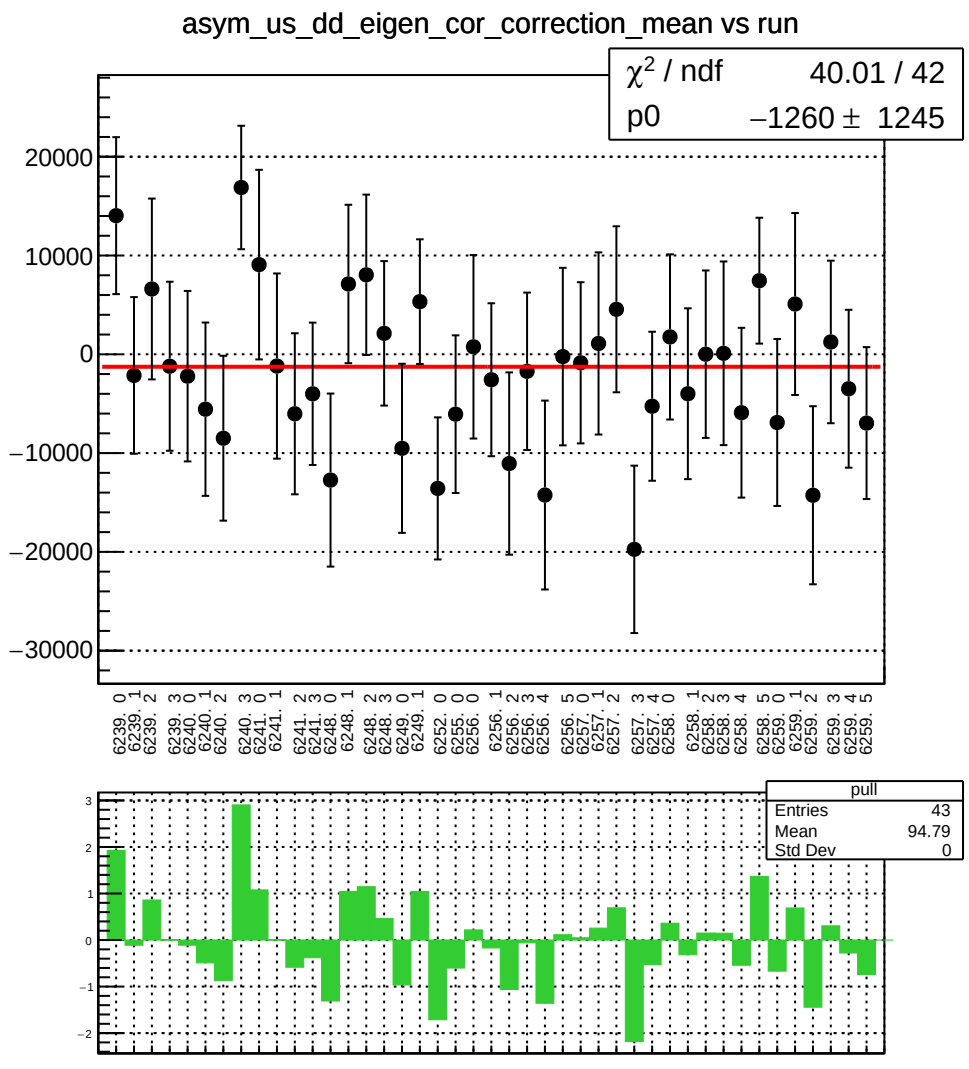
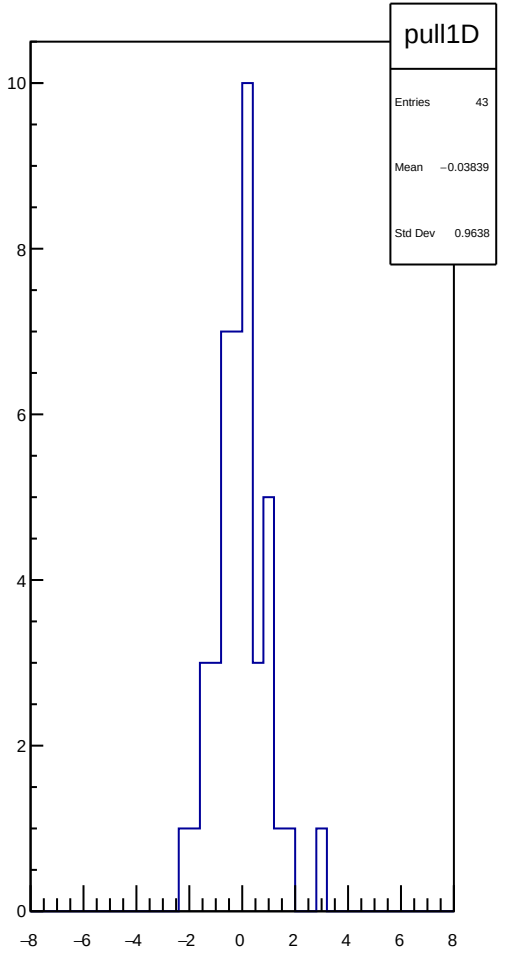
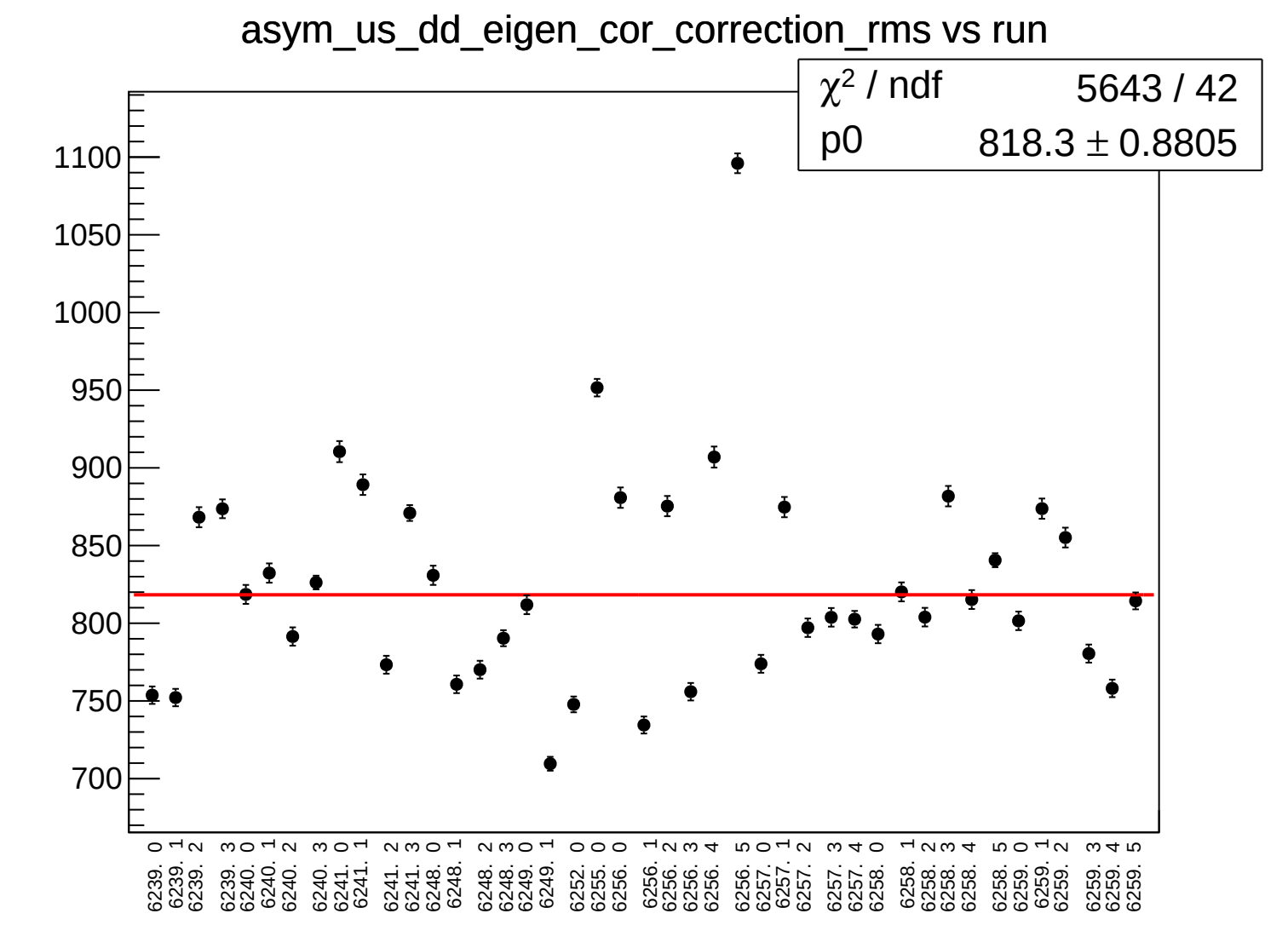
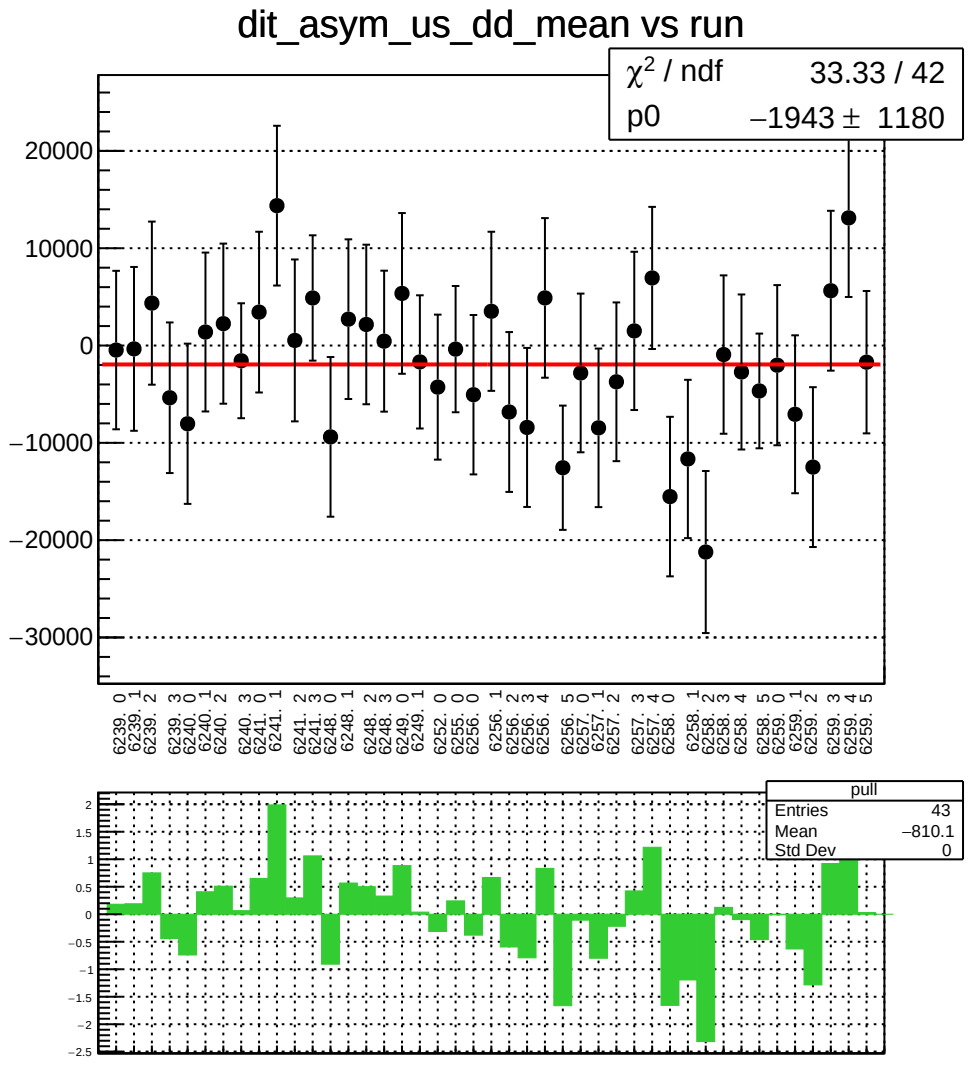
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1054
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.002439
Std Dev 0.8892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

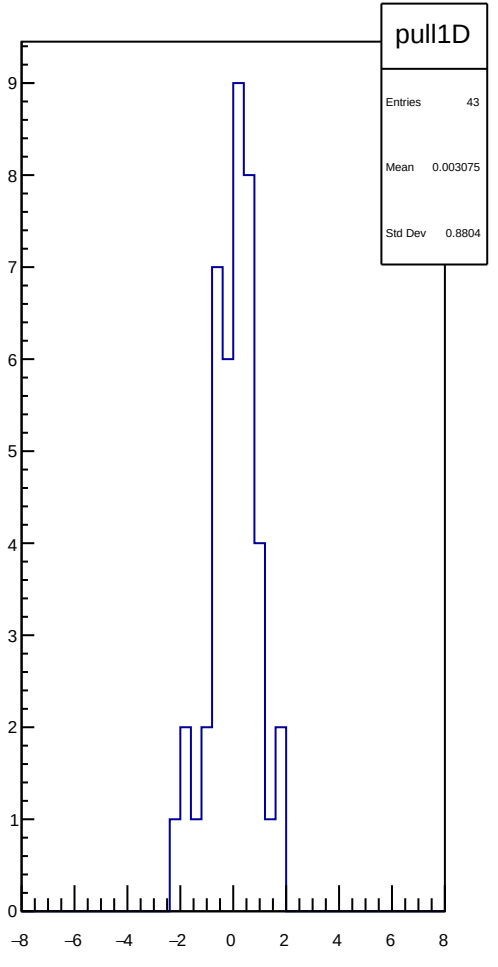

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 63.12 / 42
p0 776.7 ± 0.833
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

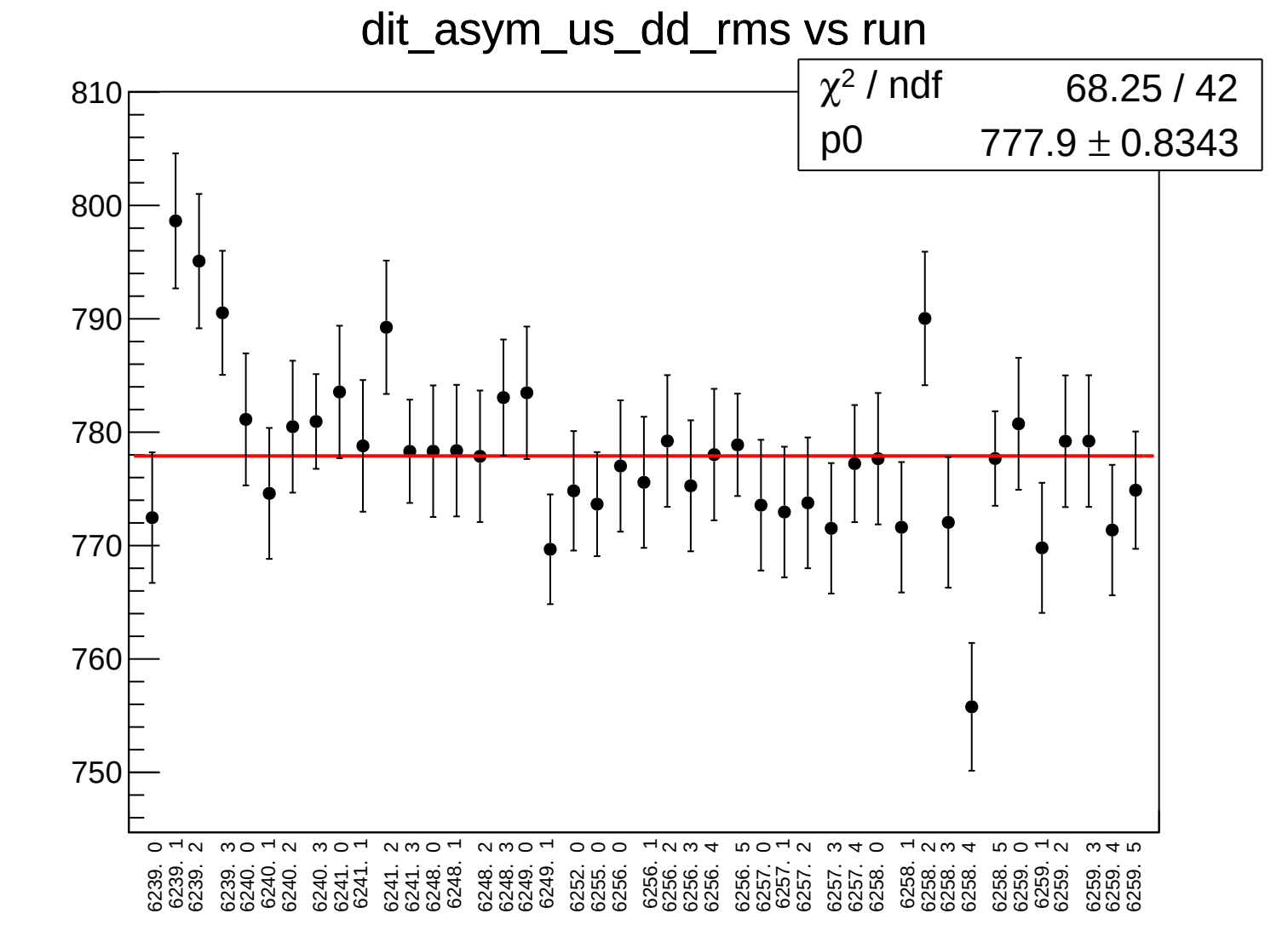

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.01 / 42
p0 −1260 ± 1245
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.79
Std Dev 0
3
2
1
0
−1
−2

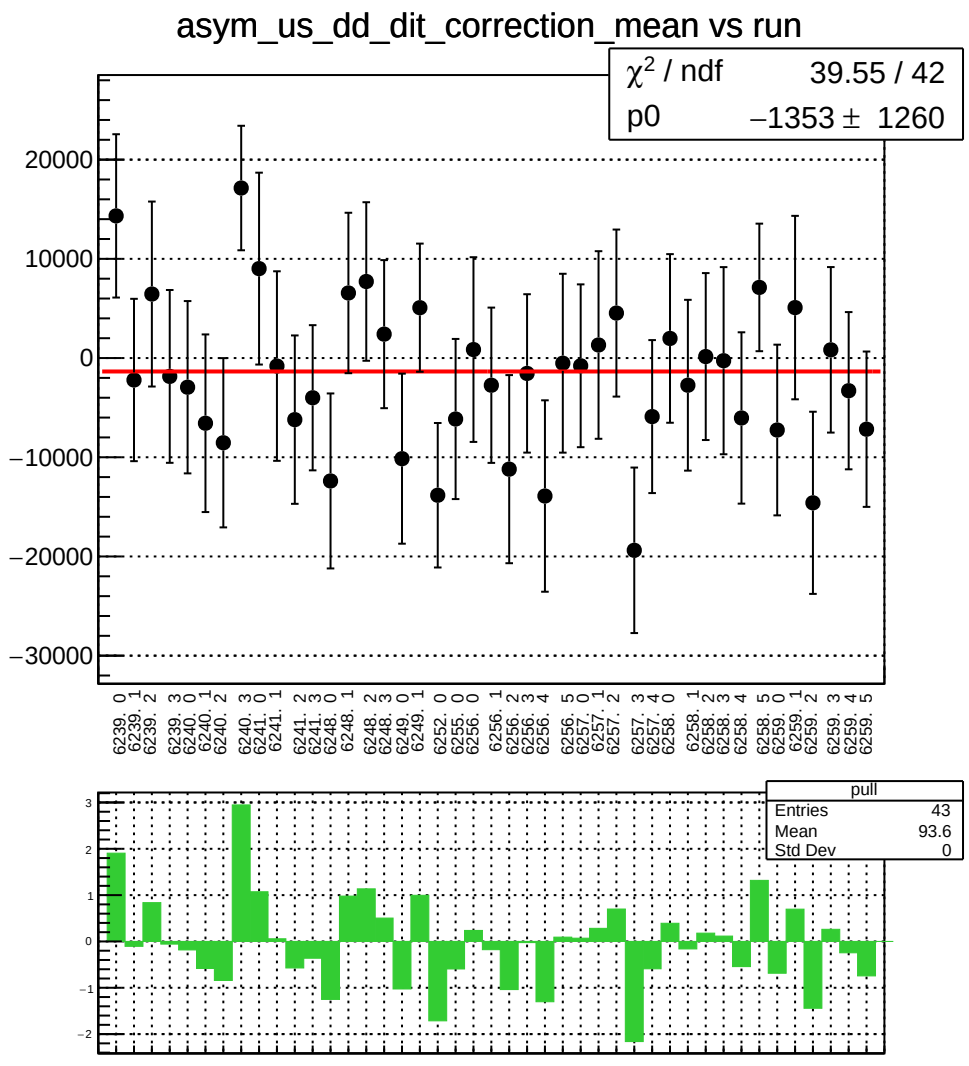

pull1D
Entries 43
Mean −0.03839
Std Dev 0.9638
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

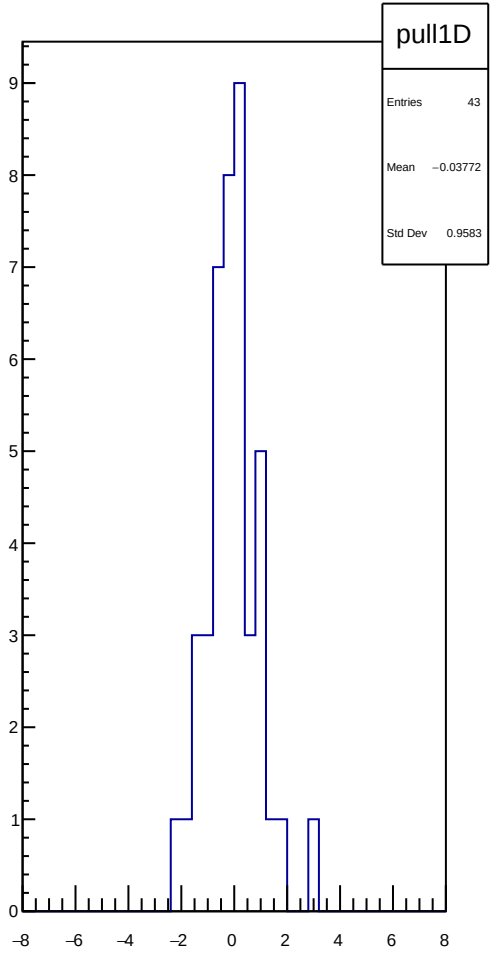

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 5643 / 42
p0 818.3 ± 0.8805
1100
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

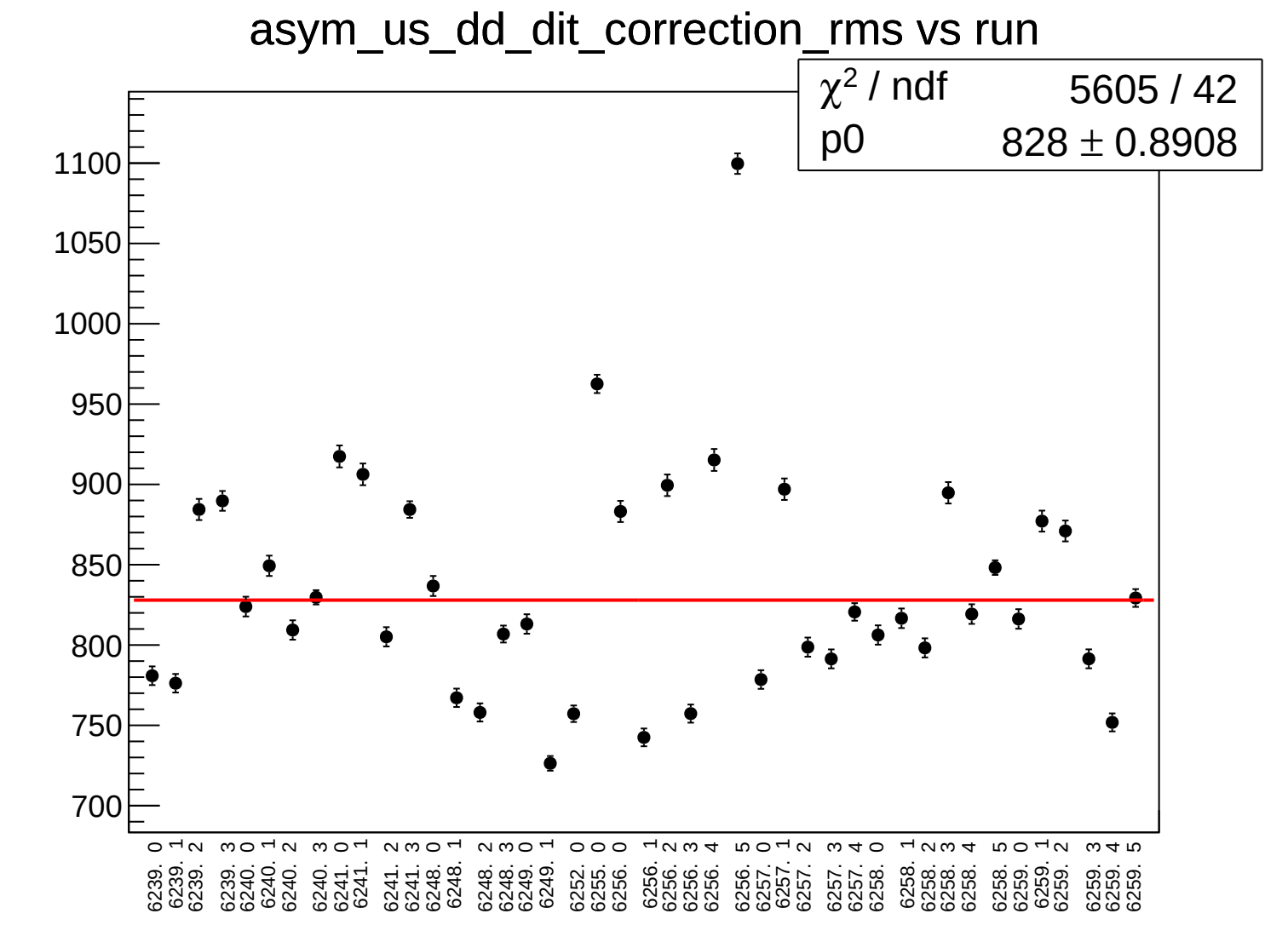

dit_asym_us_dd_mean vs run
χ² / ndf 33.33 / 42
p0 −1943 ± 1180
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −810.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

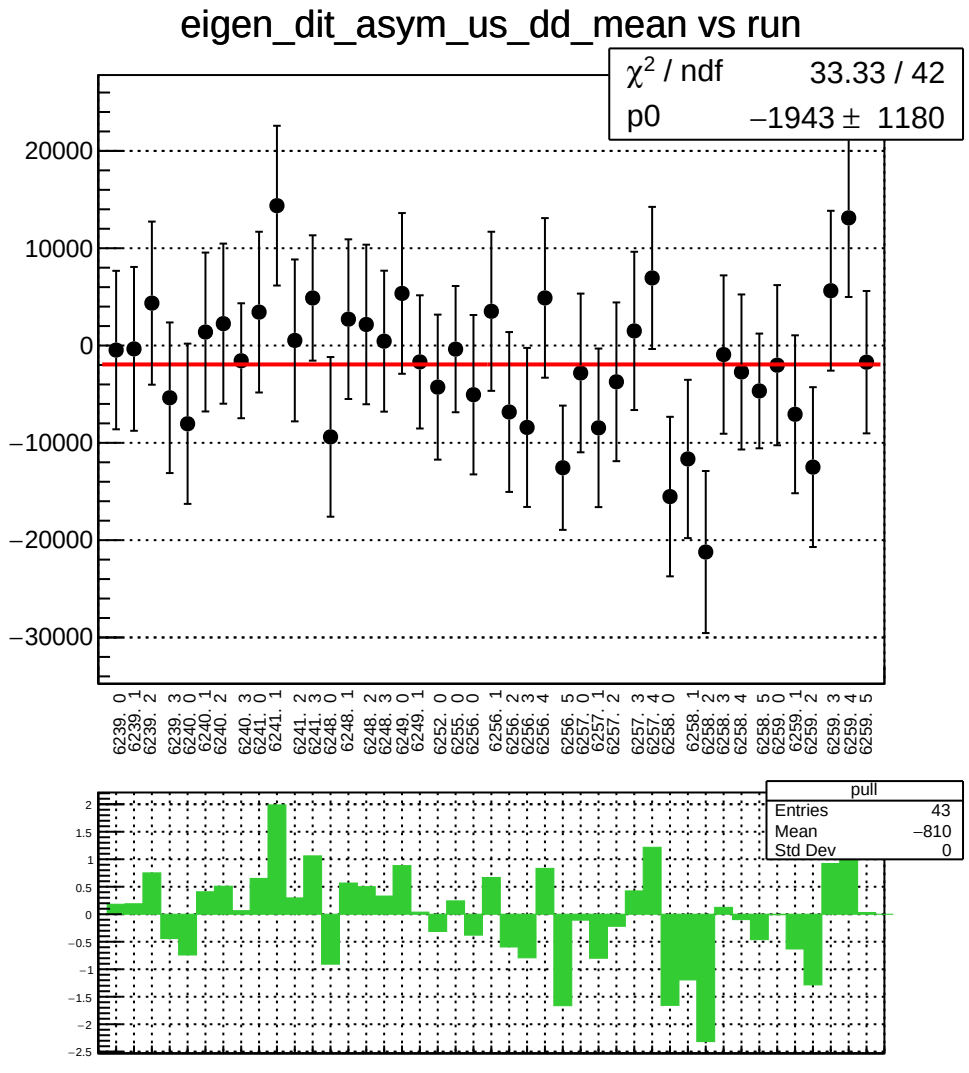

pull1D
Entries 43
Mean 0.003075
Std Dev 0.8804
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

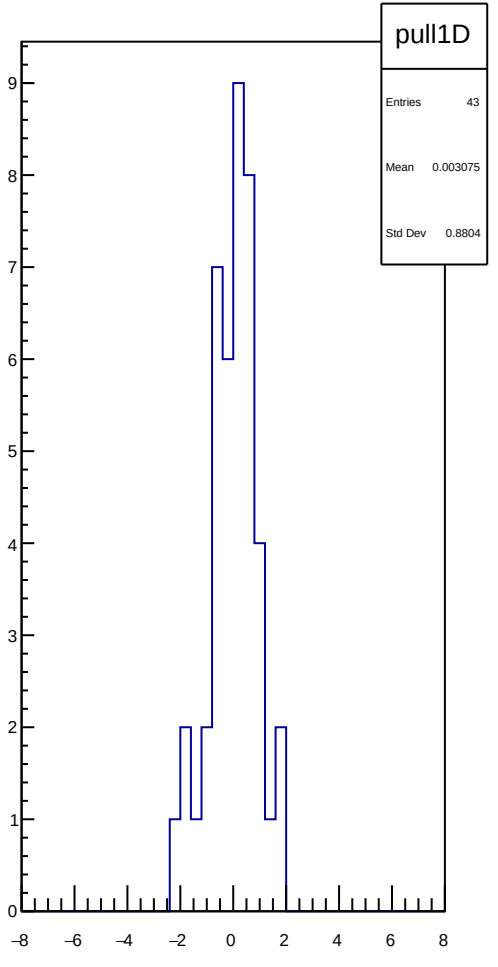

dit_asym_us_dd_rms vs run
χ² / ndf 68.25 / 42
p0 777.9 ± 0.8343
810
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

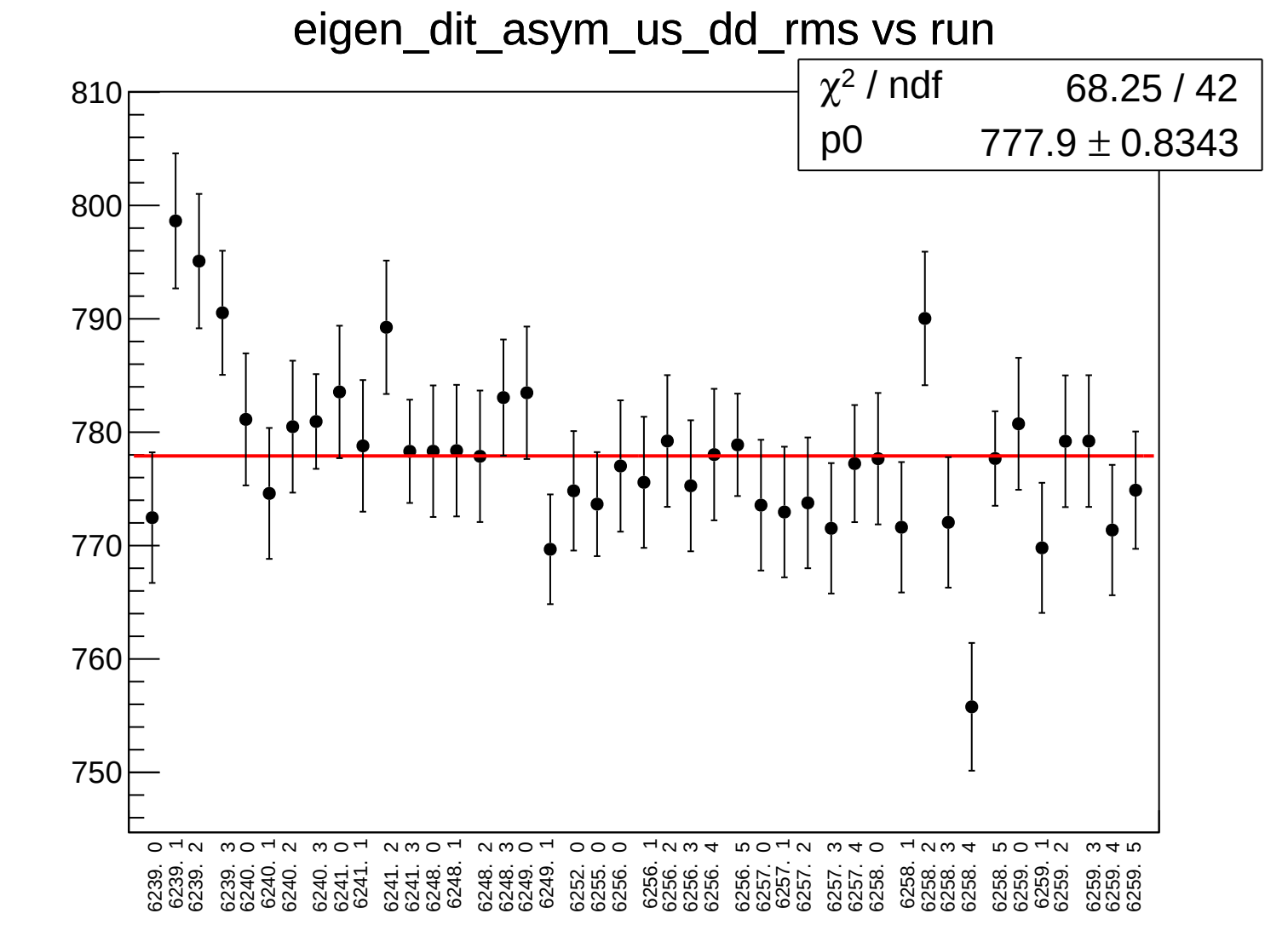

asym_us_dd_dit_correction_mean vs run
χ² / ndf 39.55 / 42
p0 −1353 ± 1260
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 93.6
Std Dev 0
3
2
1
0
−1
−2

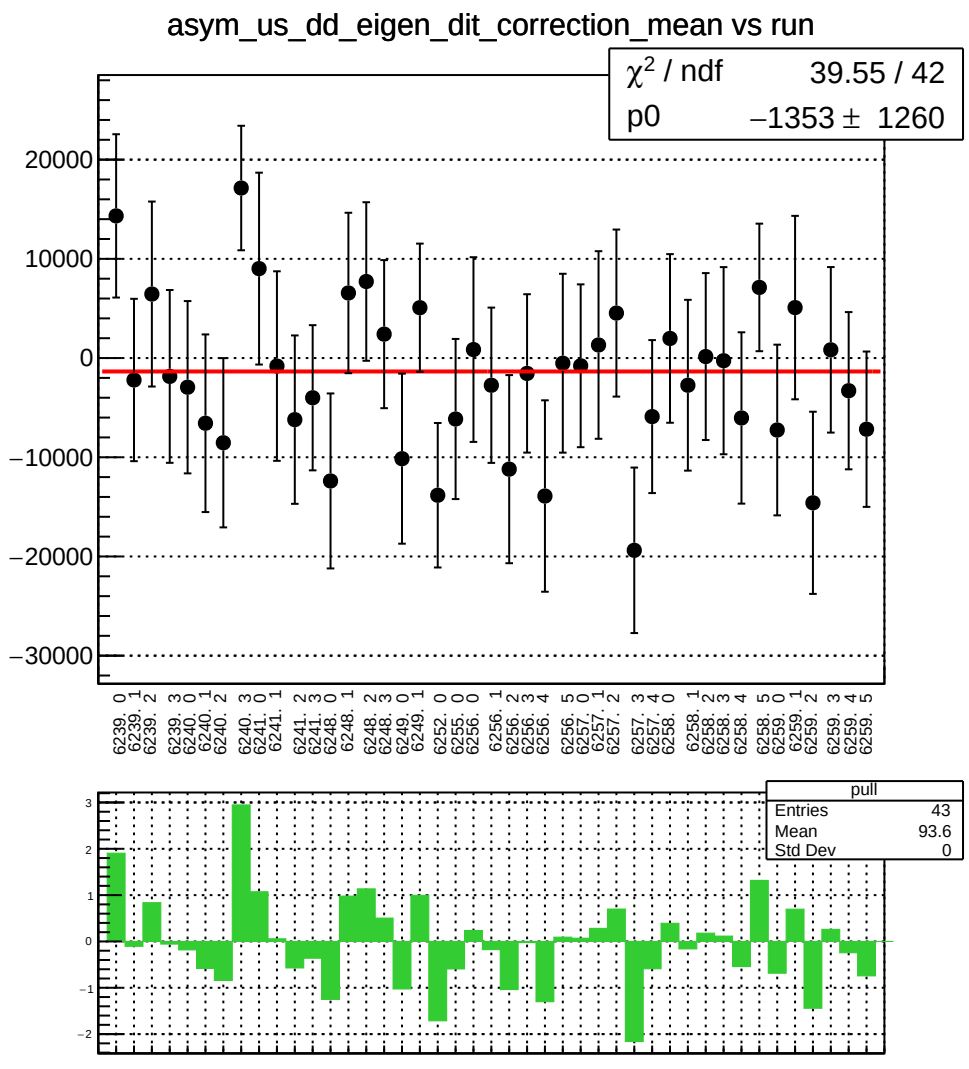

pull1D
Entries 43
Mean −0.03772
Std Dev 0.9583
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

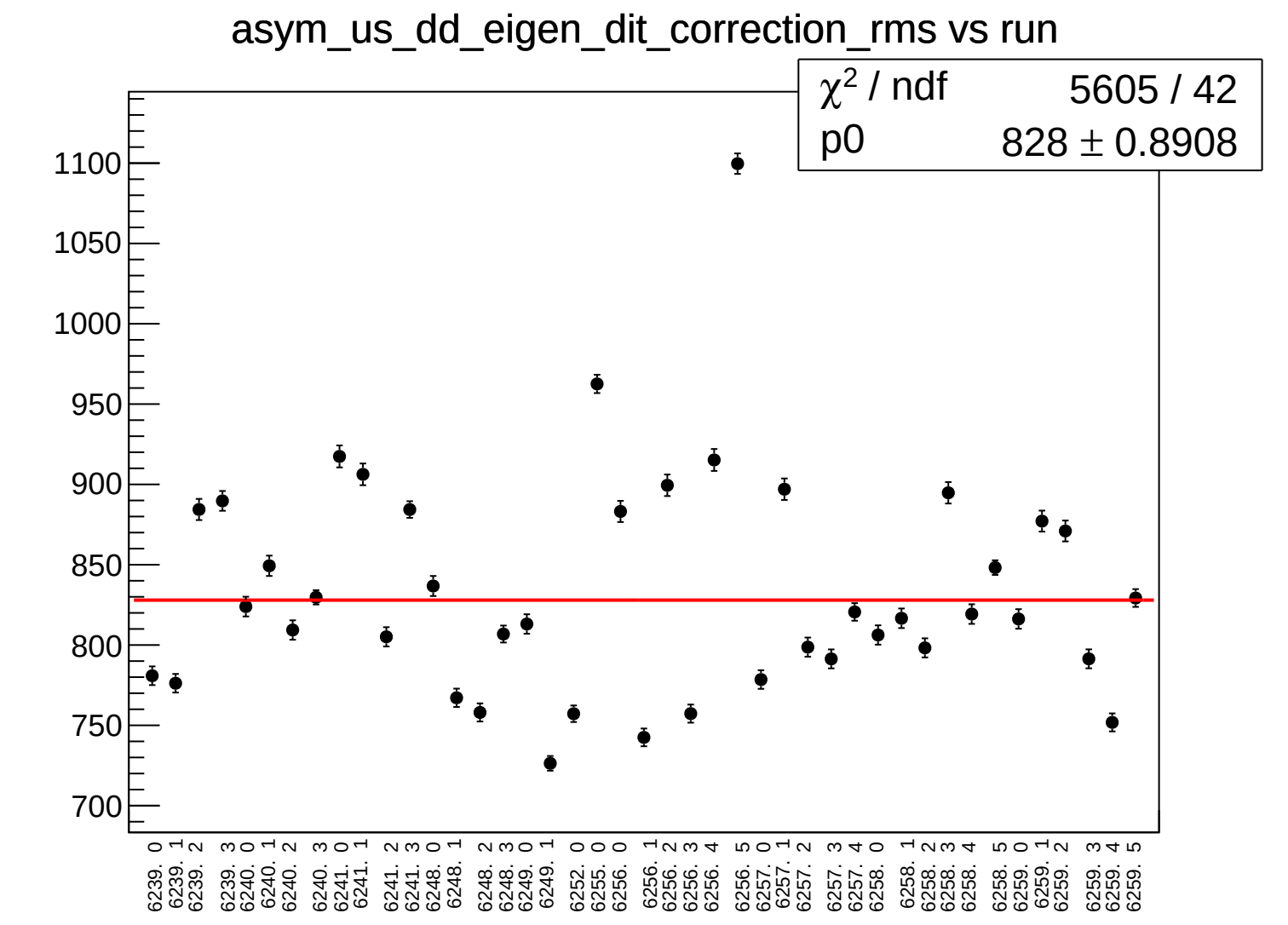

asym_us_dd_dit_correction_rms vs run
χ² / ndf 5605 / 42
p0 828 ± 0.8908
1100
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

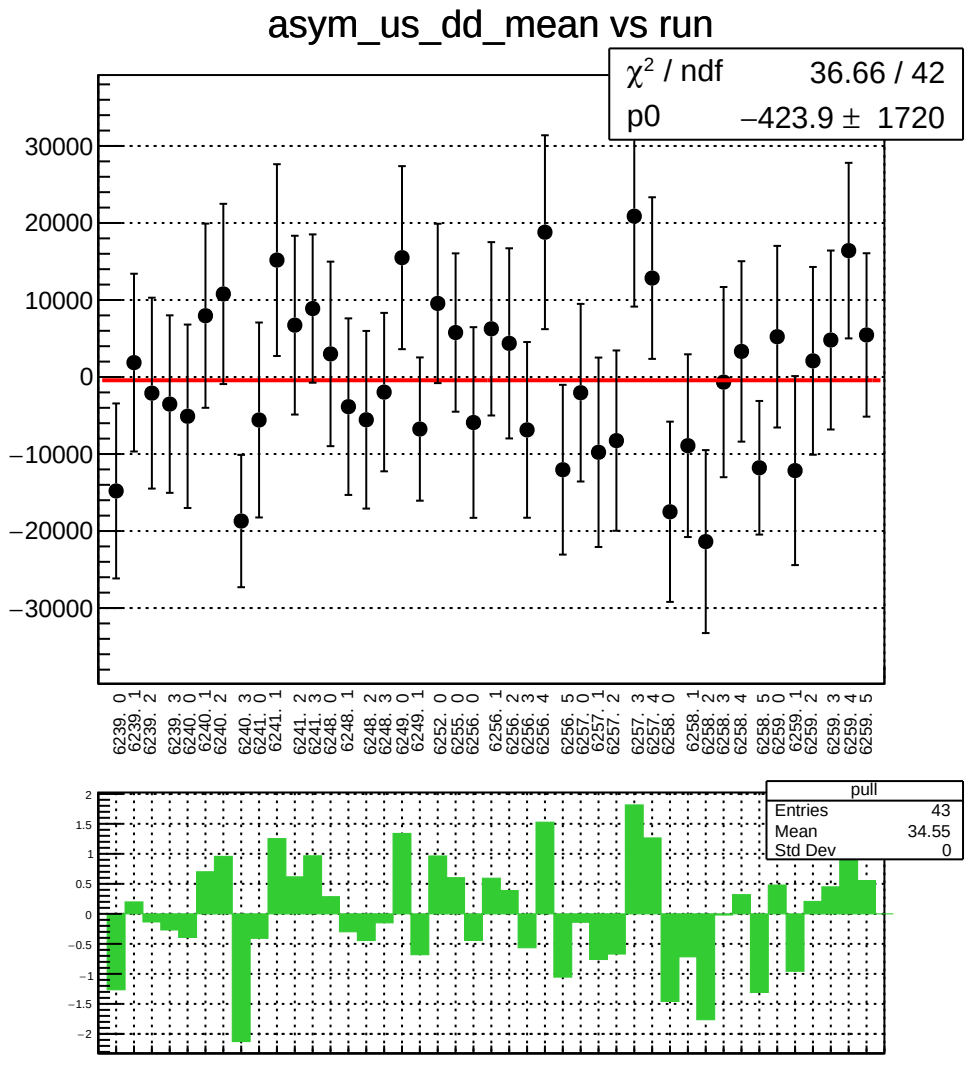

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 33.33 / 42
p0 −1943 ± 1180
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −810
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

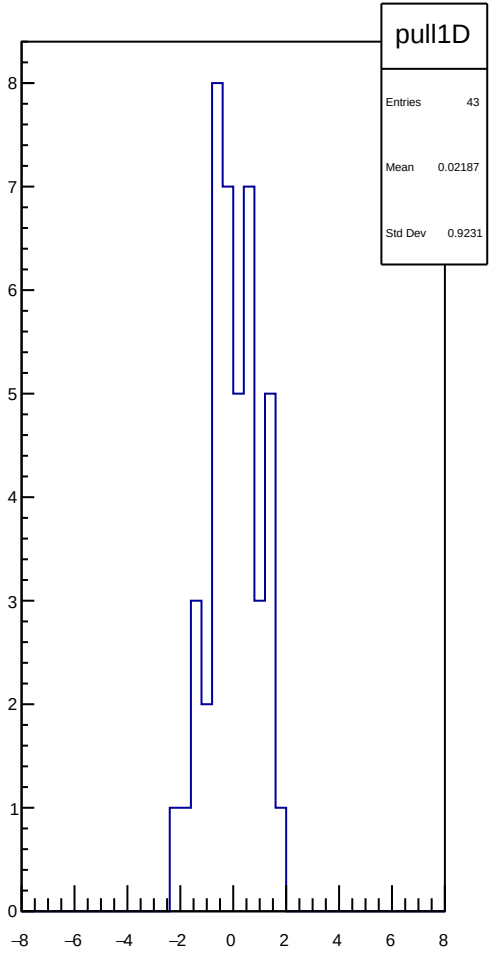

pull1D
Entries 43
Mean 0.003075
Std Dev 0.8804
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

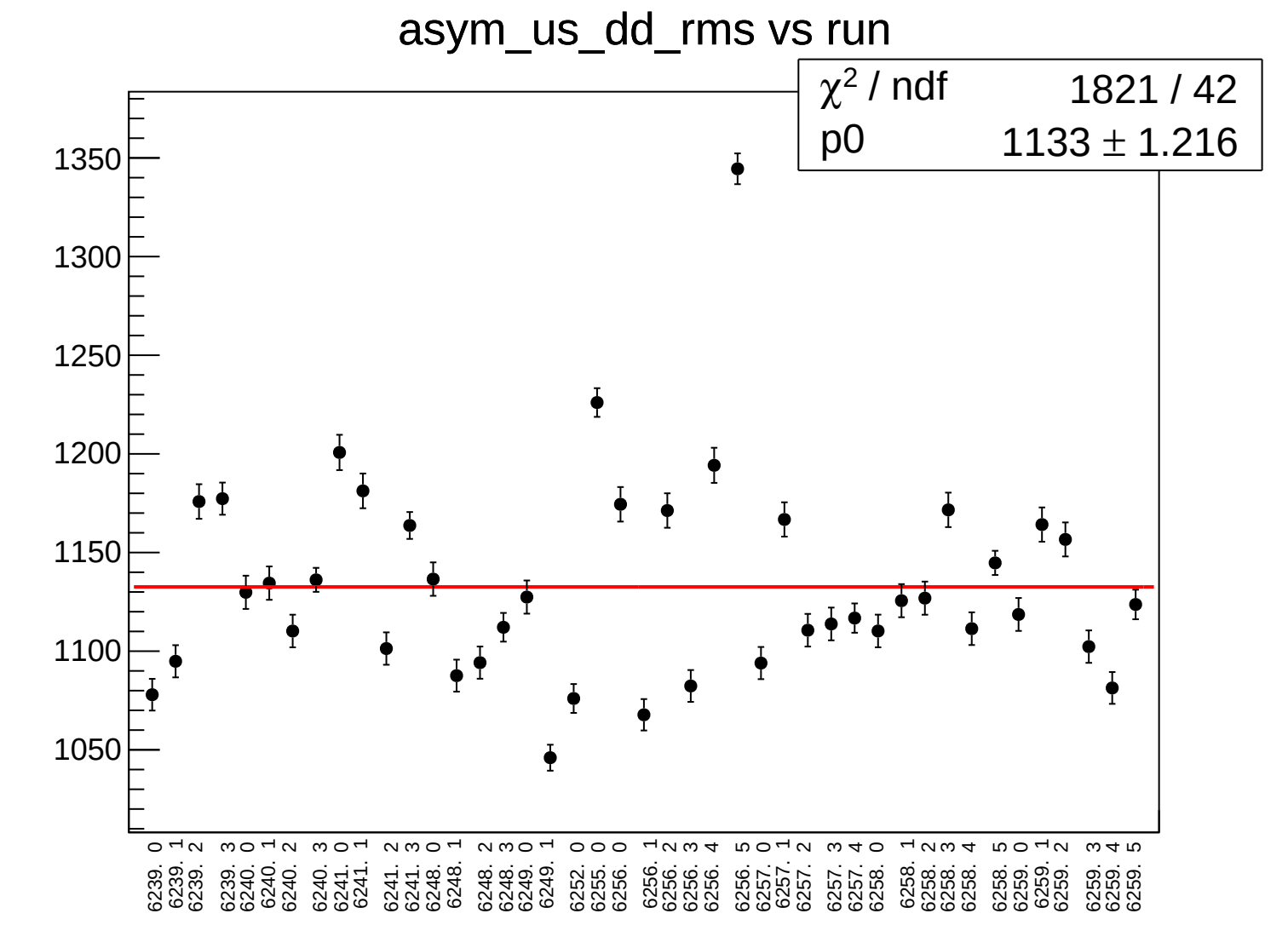

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 68.25 / 42
p0 777.9 ± 0.8343
810
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

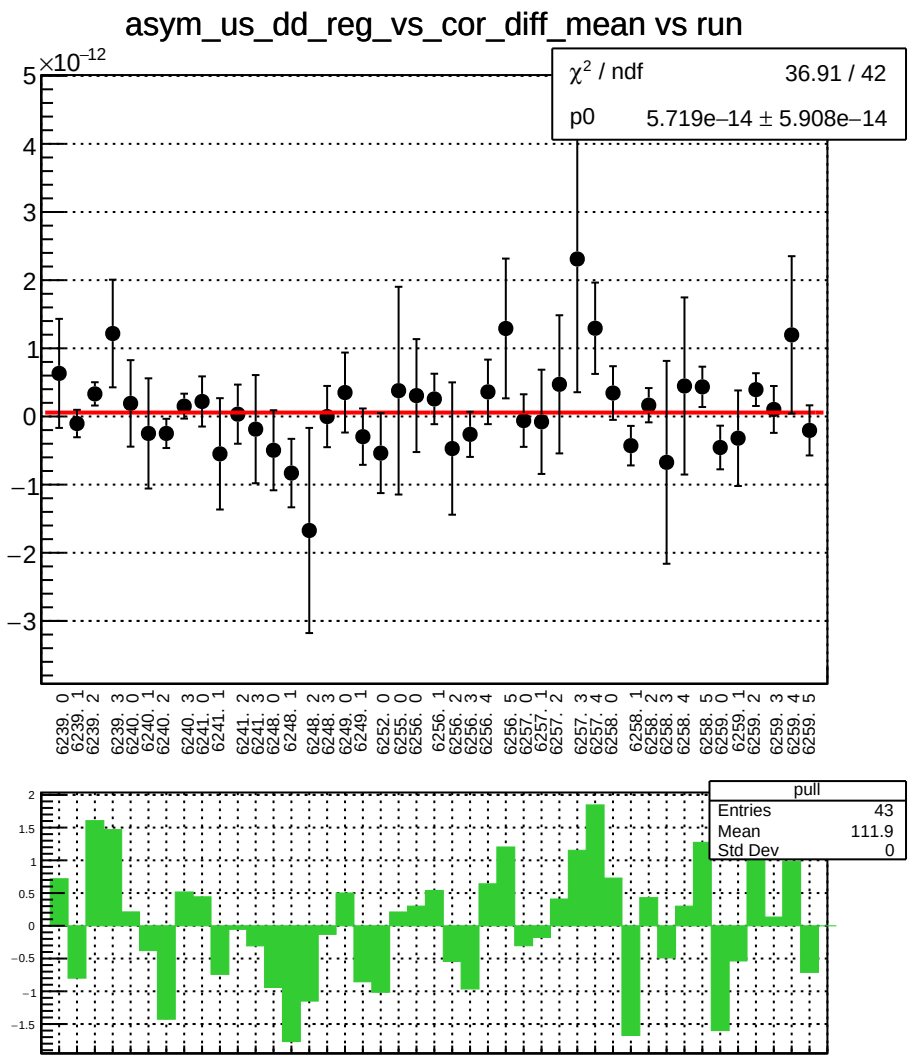

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.55 / 42
p0 −1353 ± 1260
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 93.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03772
Std Dev 0.9583
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

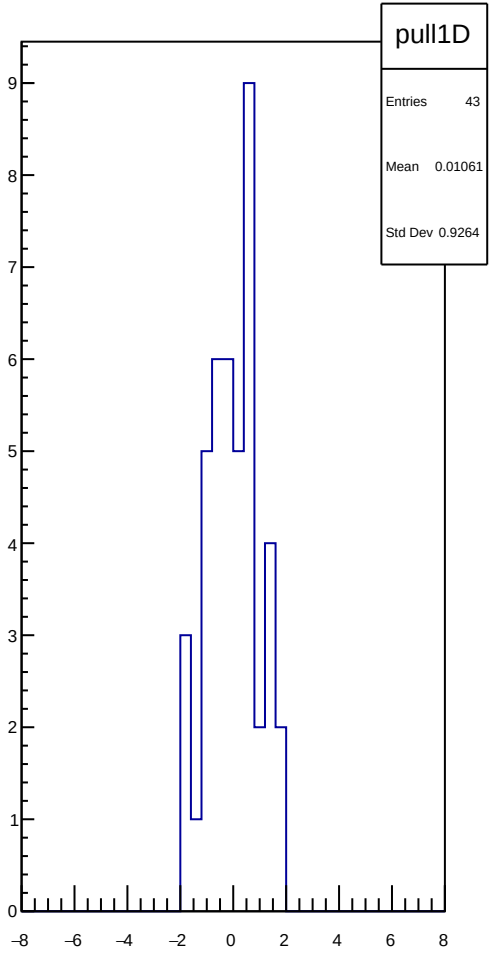

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 5605 / 42
p0 828 ± 0.8908
1100
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

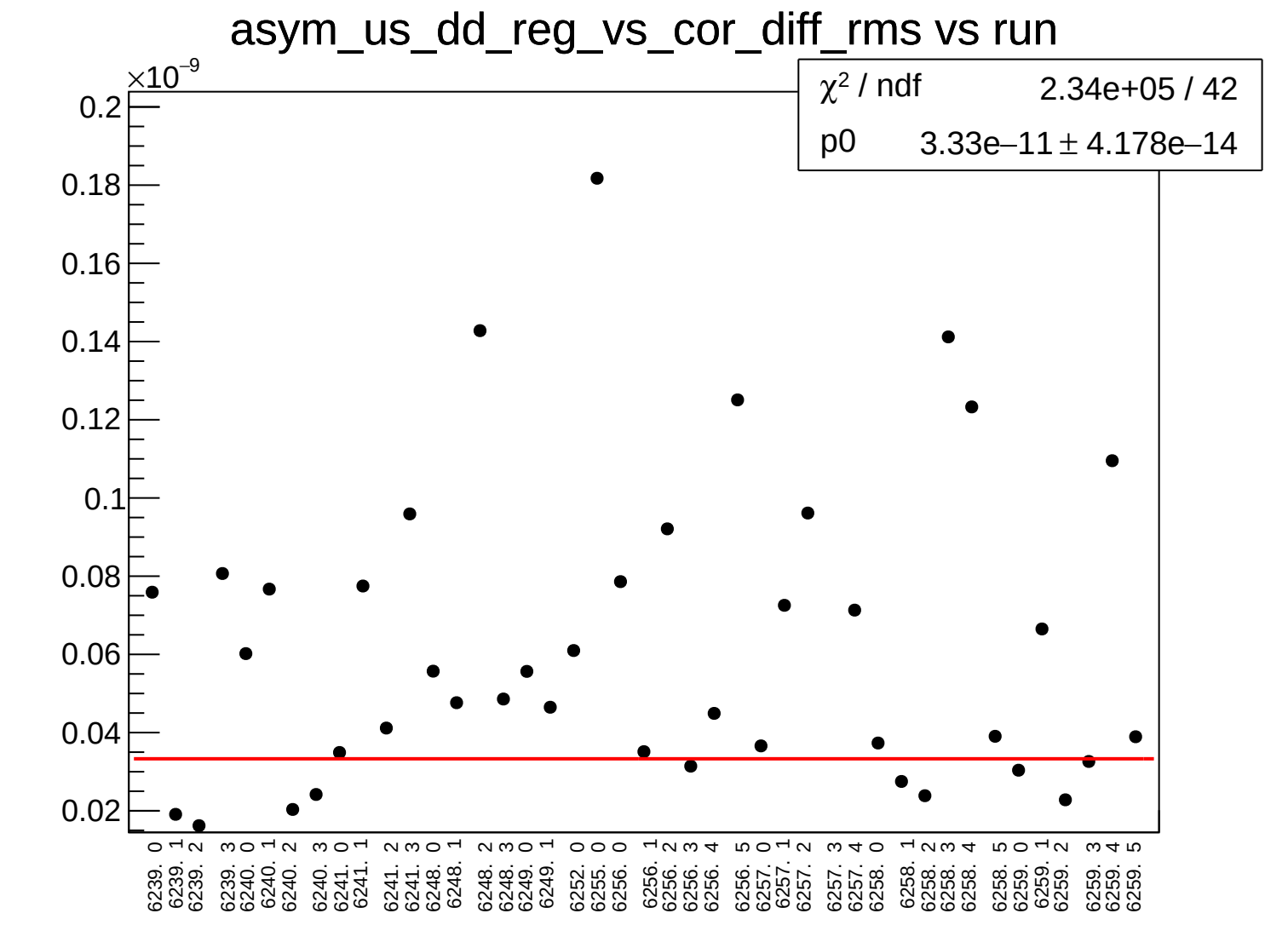

asym_us_dd_mean vs run
χ² / ndf 36.66 / 42
p0 −423.9 ± 1720
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

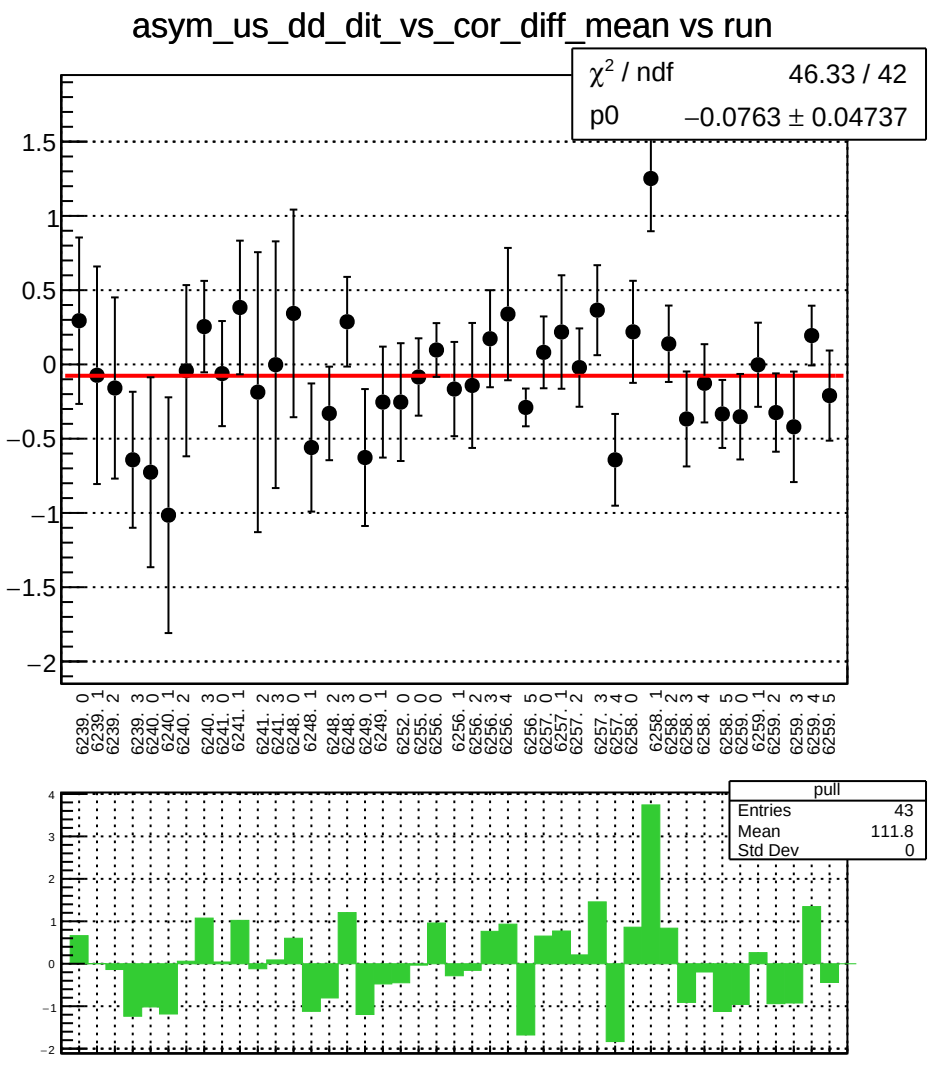

pull1D
Entries 43
Mean 0.02187
Std Dev 0.9231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

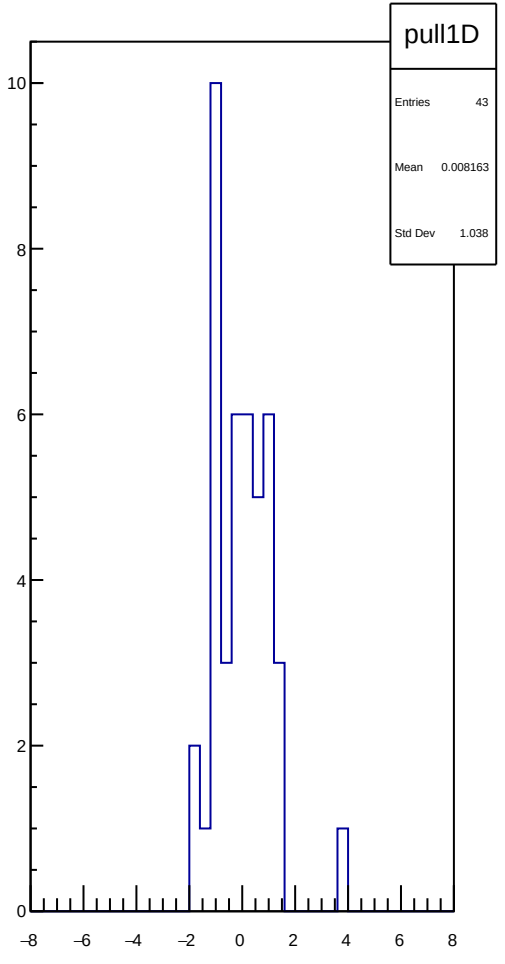

asym_us_dd_rms vs run
χ² / ndf 1821 / 42
p0 1133 ± 1.216
1350
1300
1250
1200
1150
1100
1050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

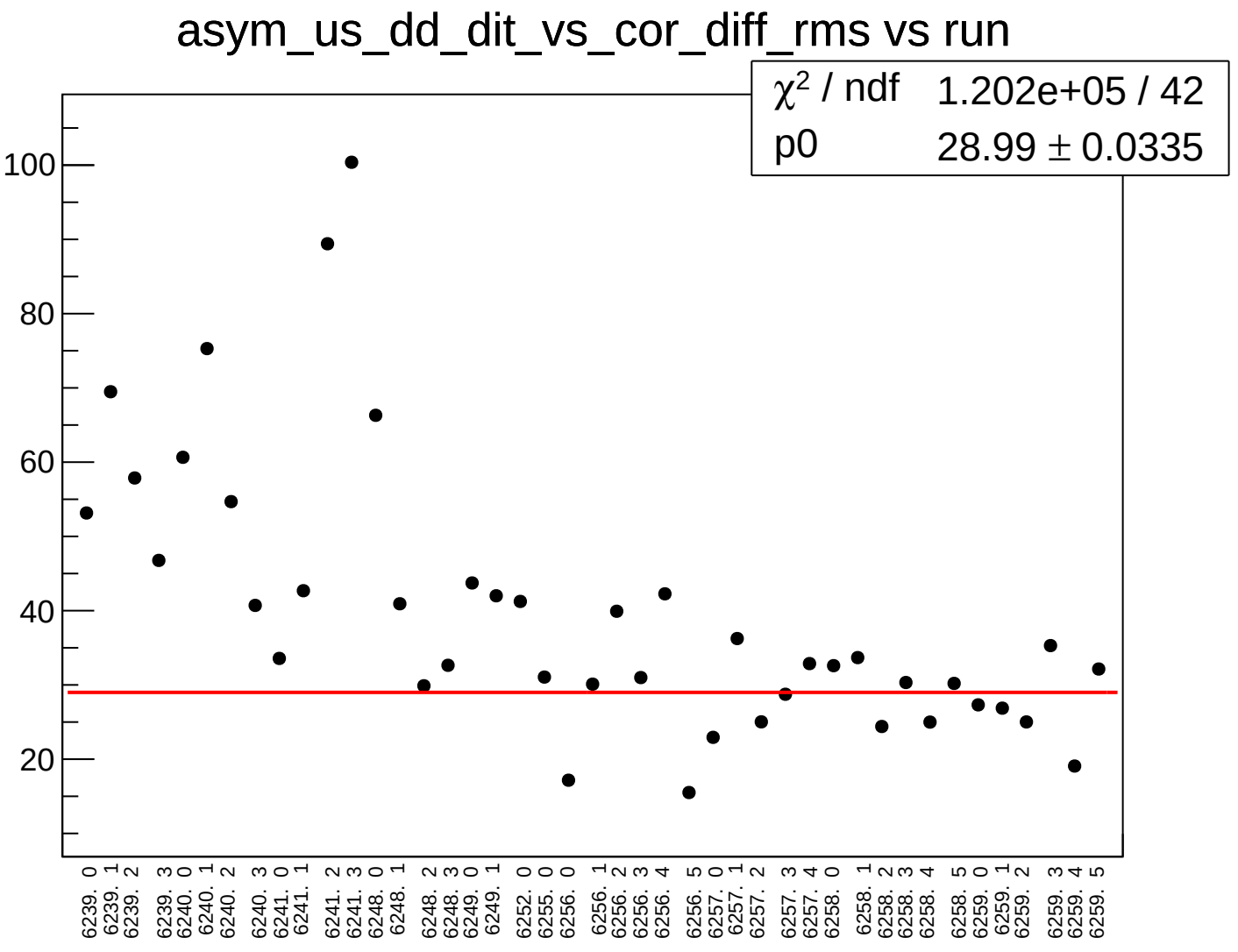

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.91 / 42
p0 5.719e−14 ± 5.908e−14
pull
Entries 43
Mean 111.9
Std Dev 0

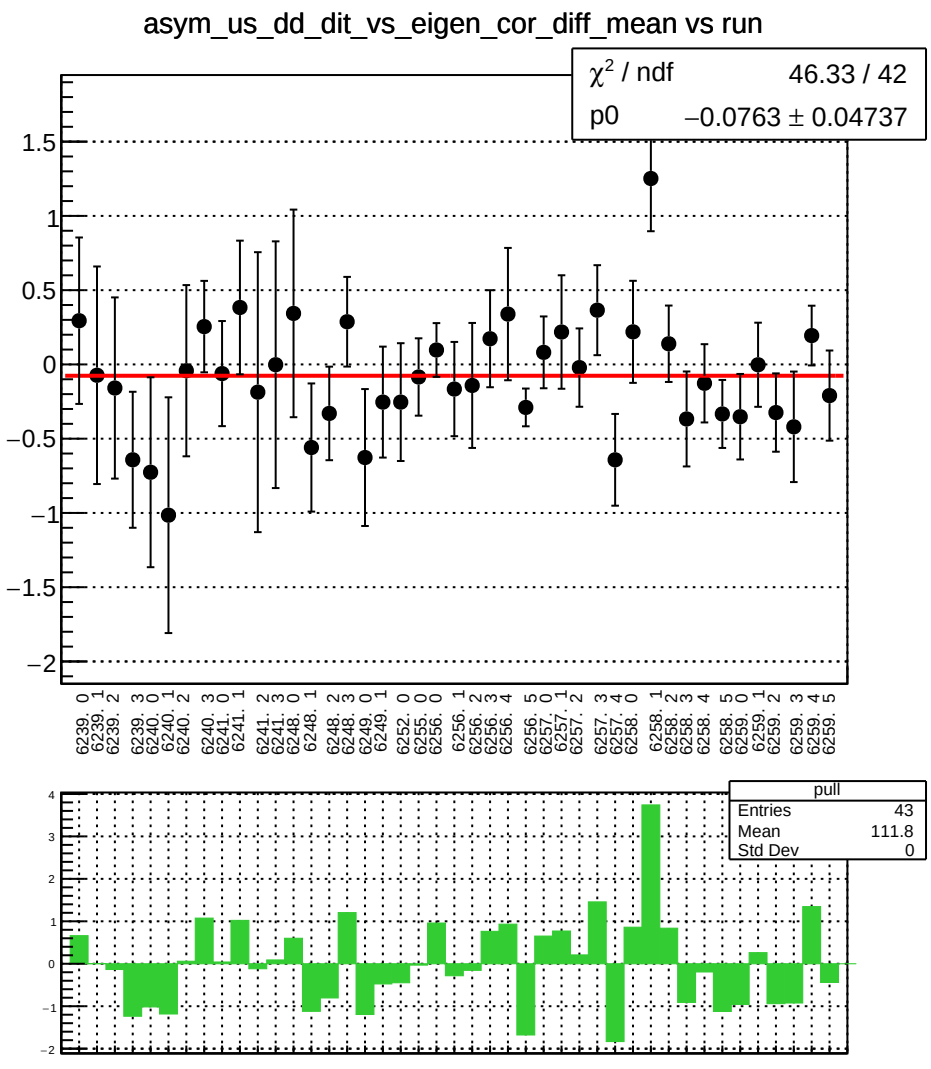

pull1D
Entries 43
Mean 0.01061
Std Dev 0.9264

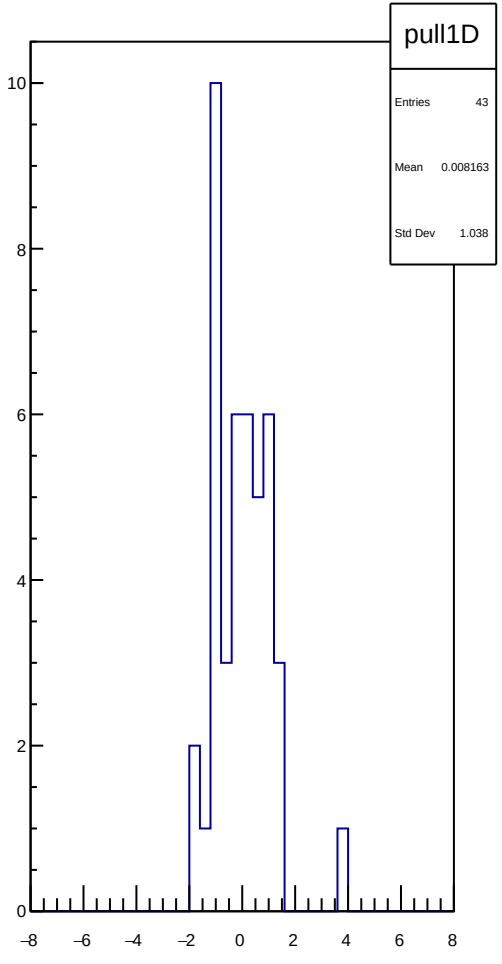

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.34e+05 / 42
p0 3.33e−11 ± 4.178e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

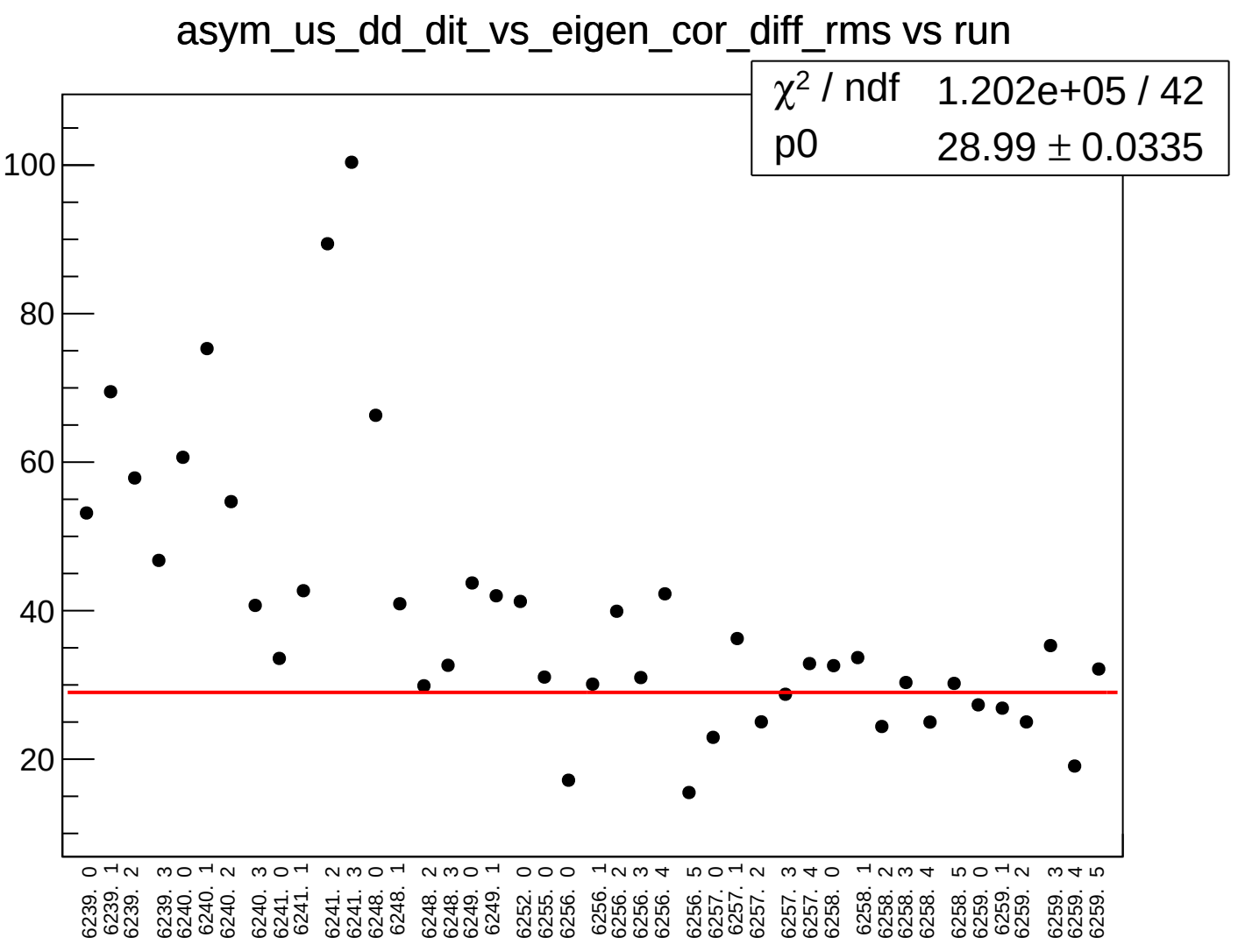

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.33 / 42
p0 −0.0763 ± 0.04737
pull
Entries 43
Mean 111.8
Std Dev 0

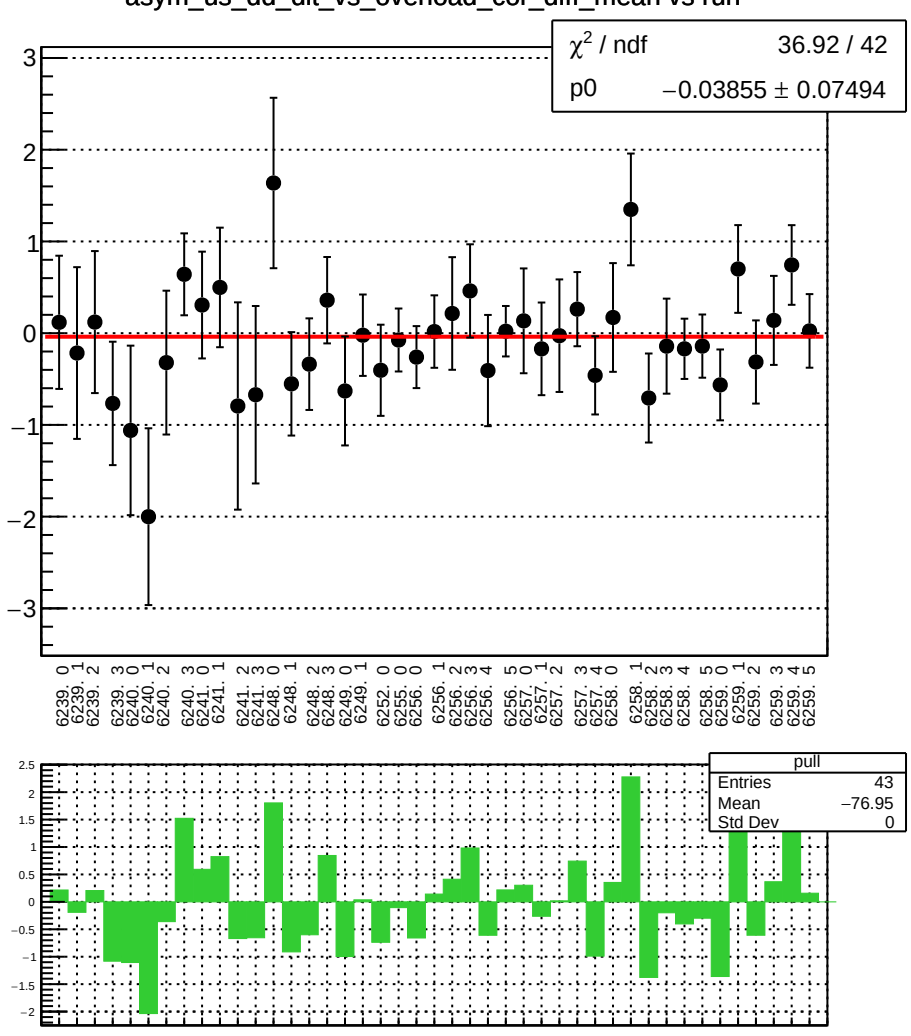

pull1D
Entries 43
Mean 0.008163
Std Dev 1.038

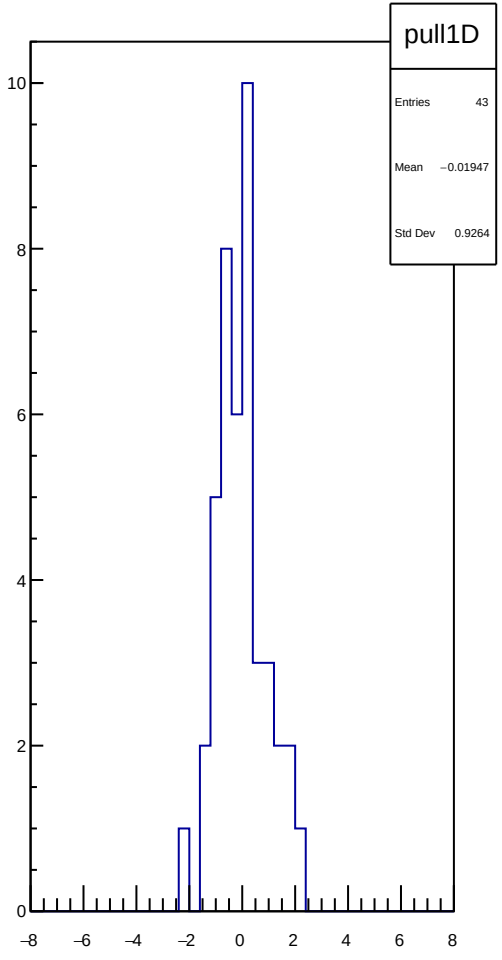

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.202e+05 / 42
p0 28.99 ± 0.0335
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

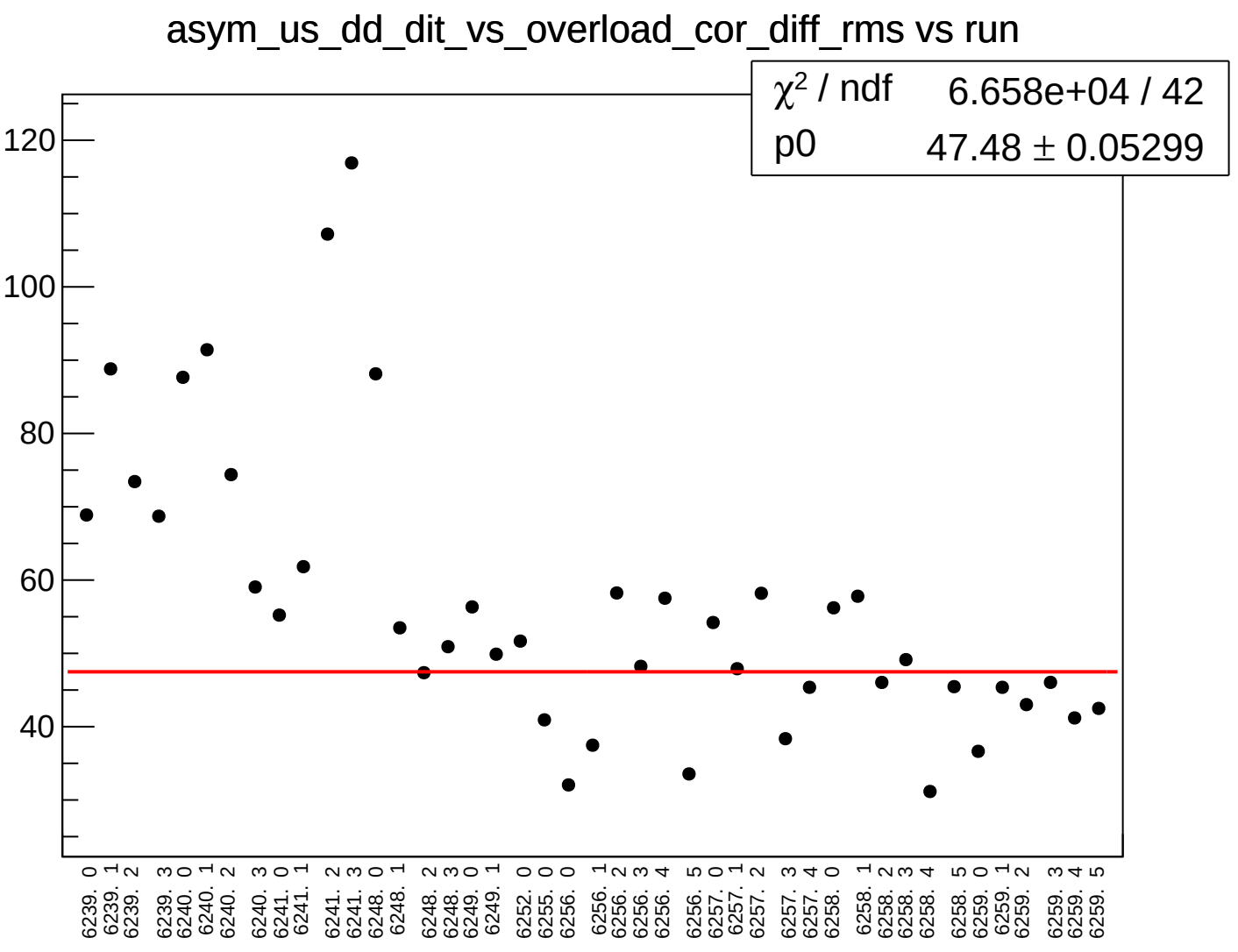

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.33 / 42
p0 −0.0763 ± 0.04737
pull
Entries 43
Mean 111.8
Std Dev 0

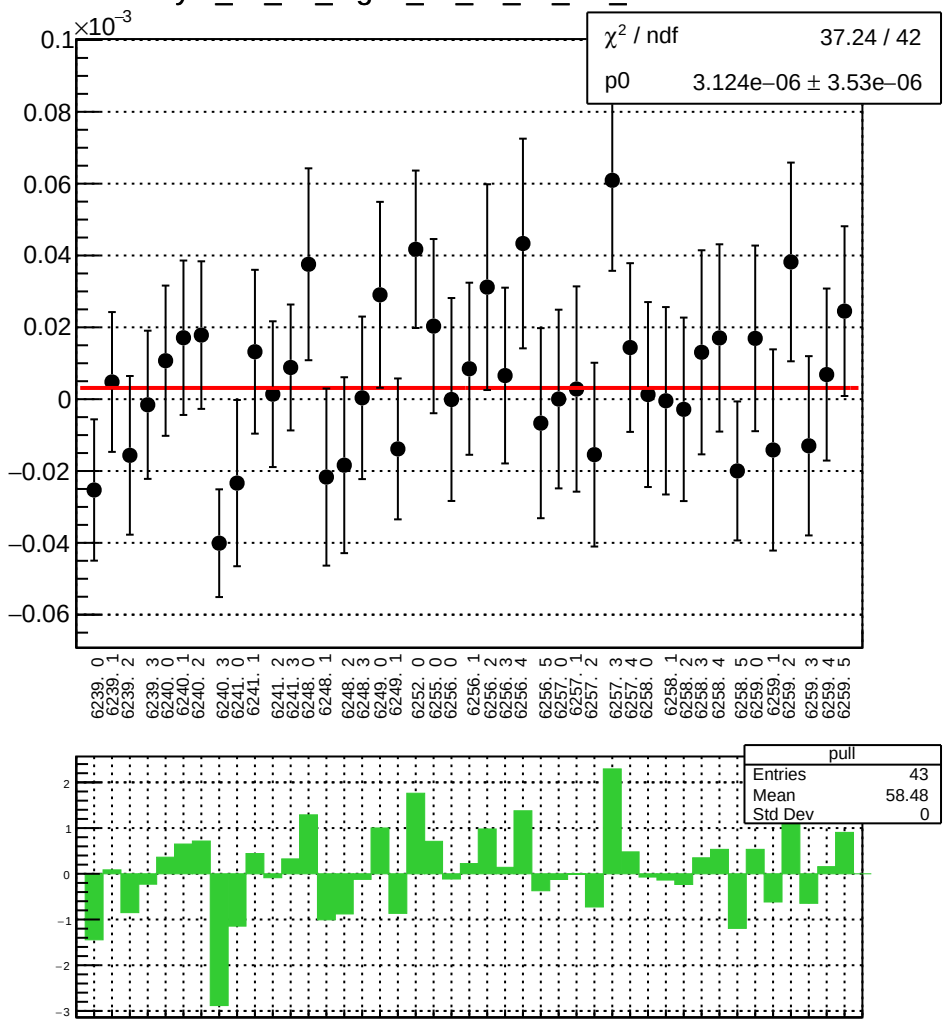

pull1D
Entries 43
Mean 0.008163
Std Dev 1.038

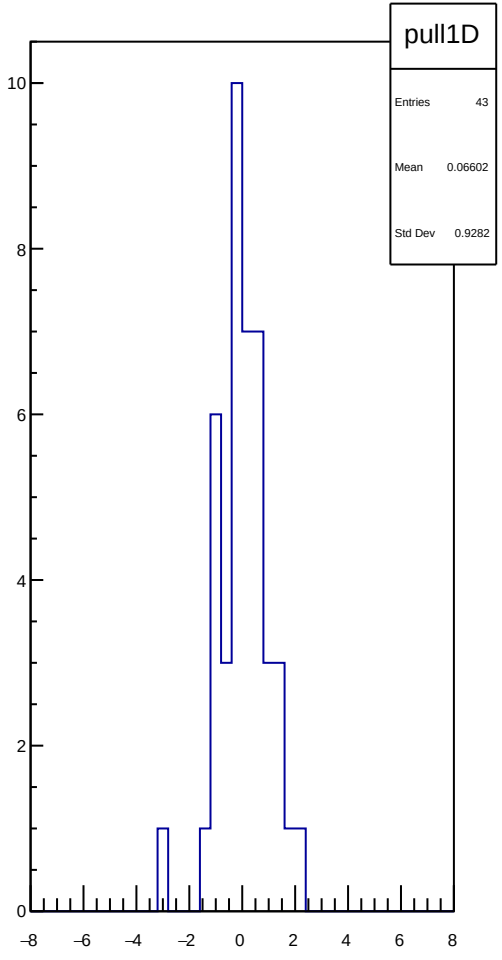

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.202e+05 / 42
p0 28.99 ± 0.0335
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

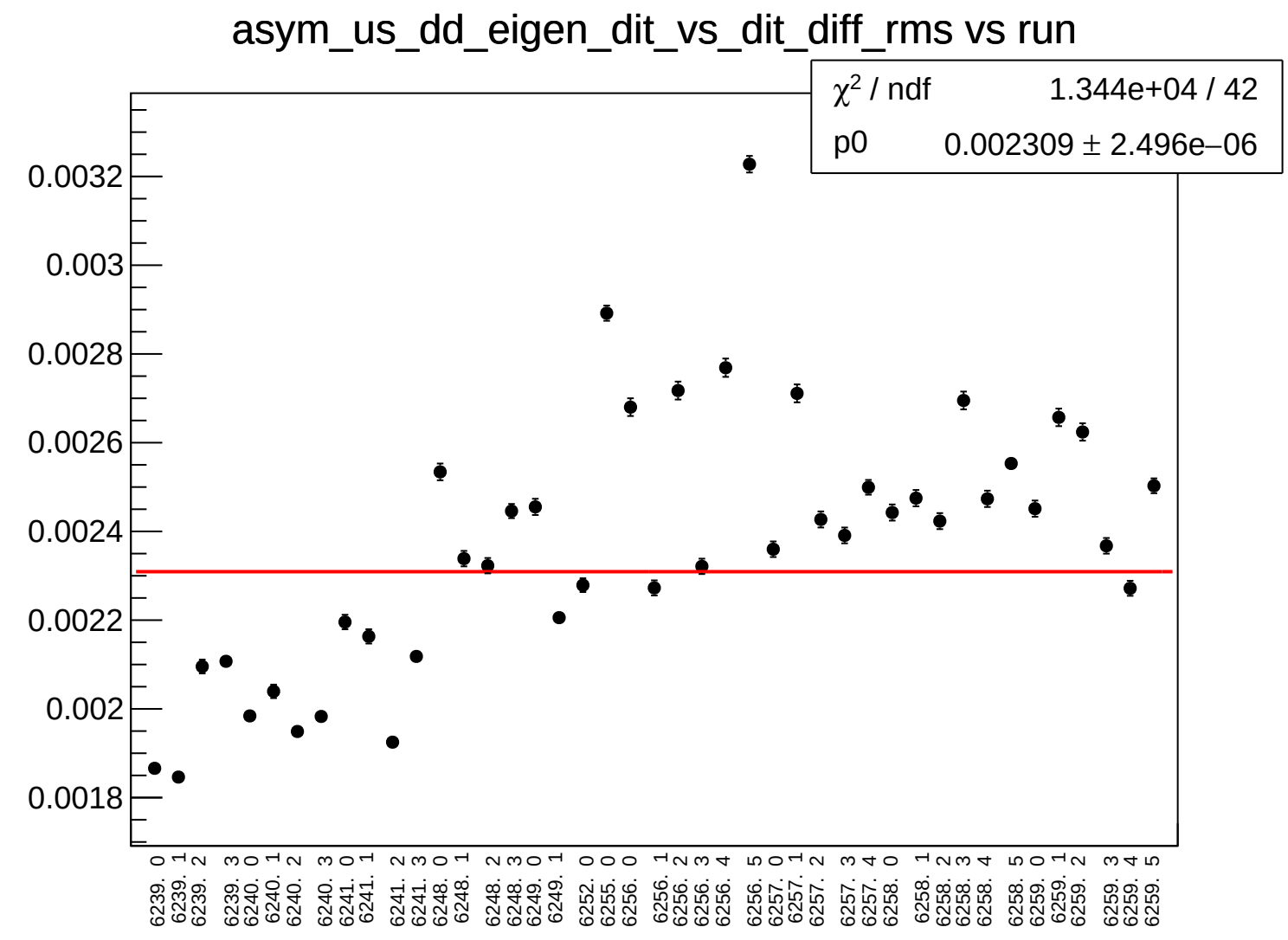

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 36.92 / 42
p0 −0.03855 ± 0.07494
pull
Entries 43
Mean −76.95
Std Dev 0

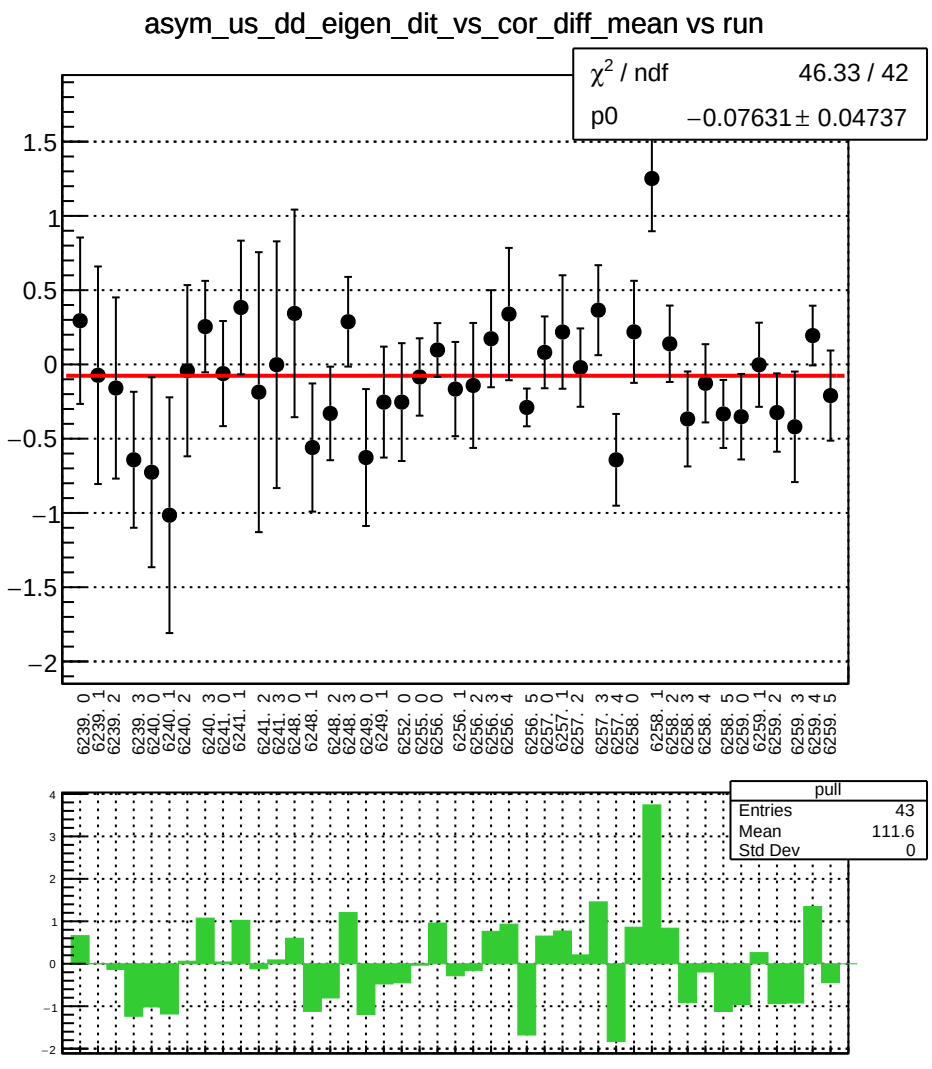

pull1D
Entries 43
Mean −0.01947
Std Dev 0.9264

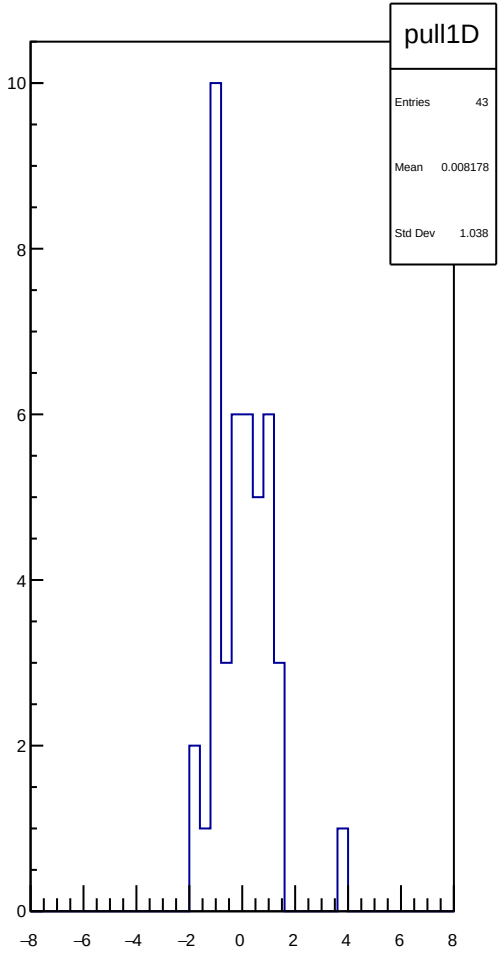

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 6.658e+04 / 42
p0 47.48 ± 0.05299
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

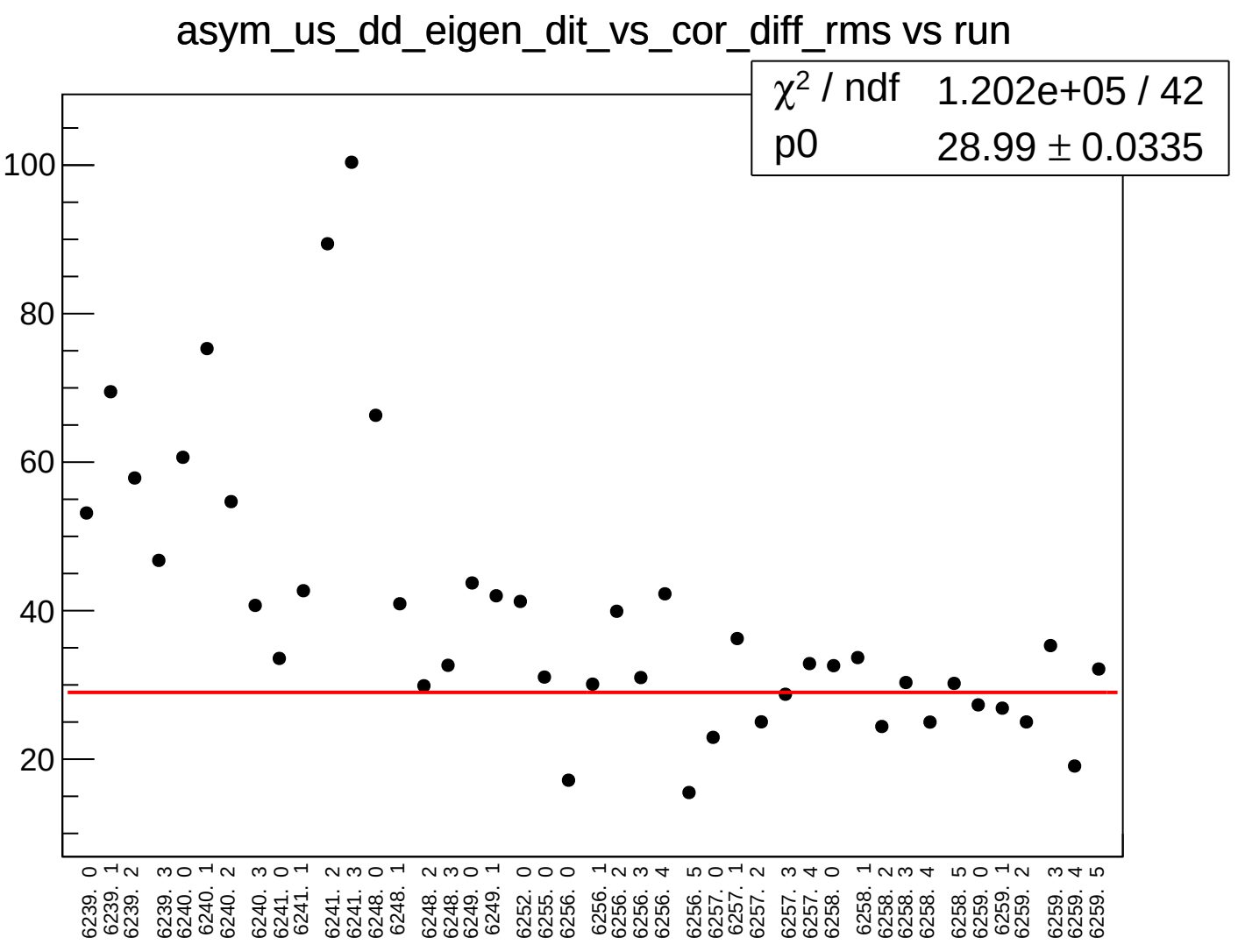

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.24 / 42
p0 3.124e−06 ± 3.53e−06
pull
Entries 43
Mean 58.48
Std Dev 0

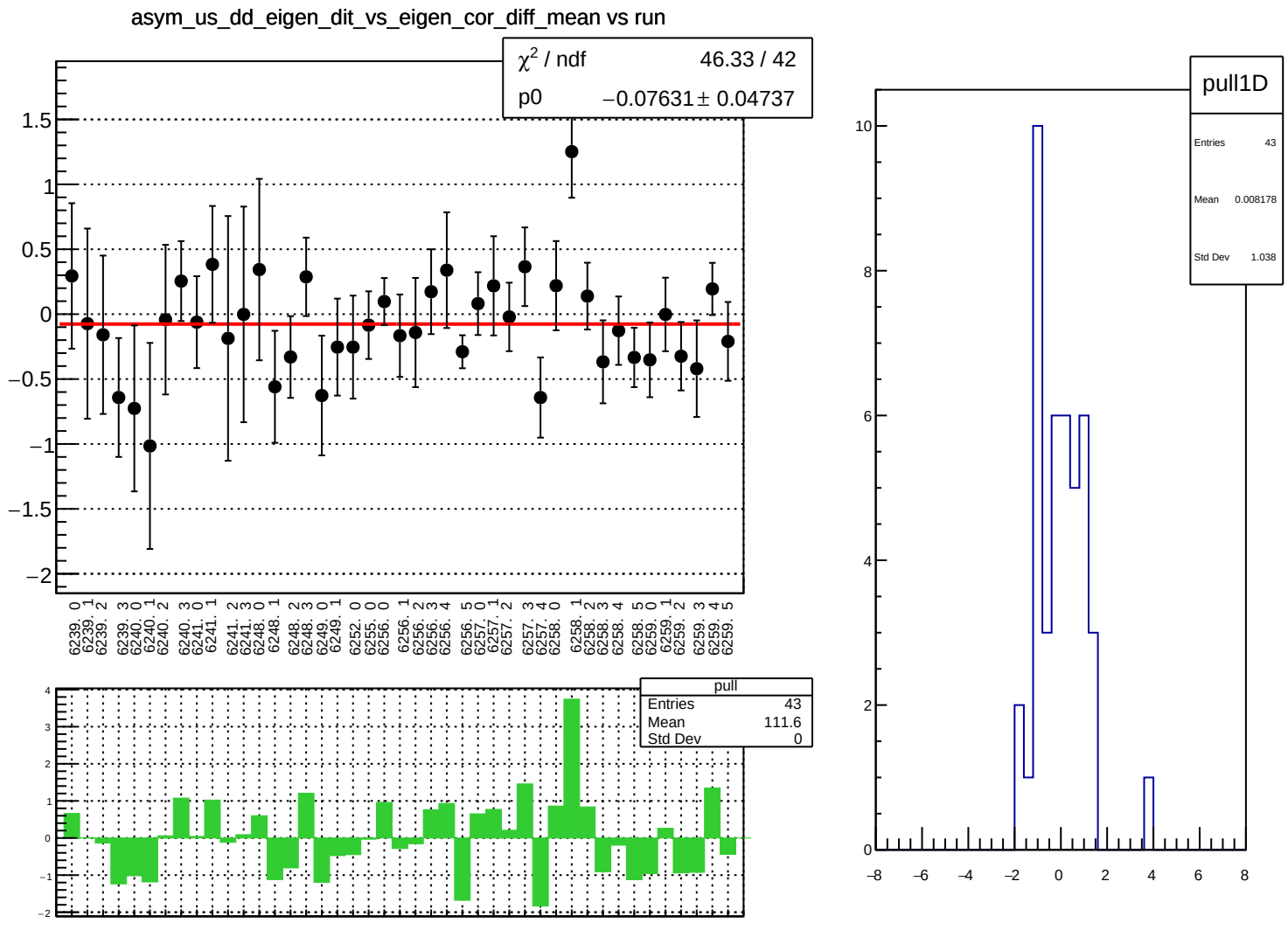

pull1D
Entries 43
Mean 0.06602
Std Dev 0.9282

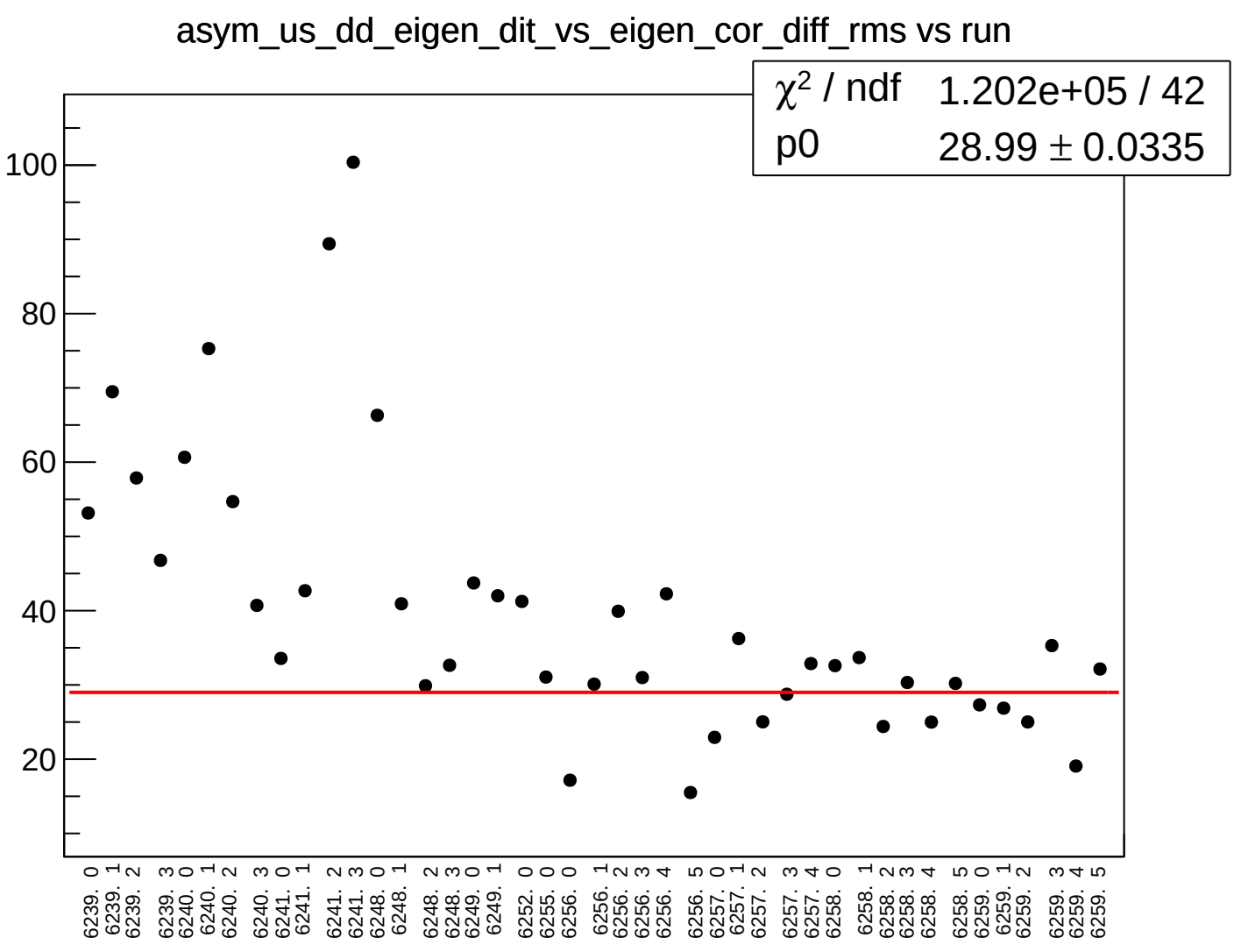

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.344e+04 / 42
p0 0.002309 ± 2.496e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

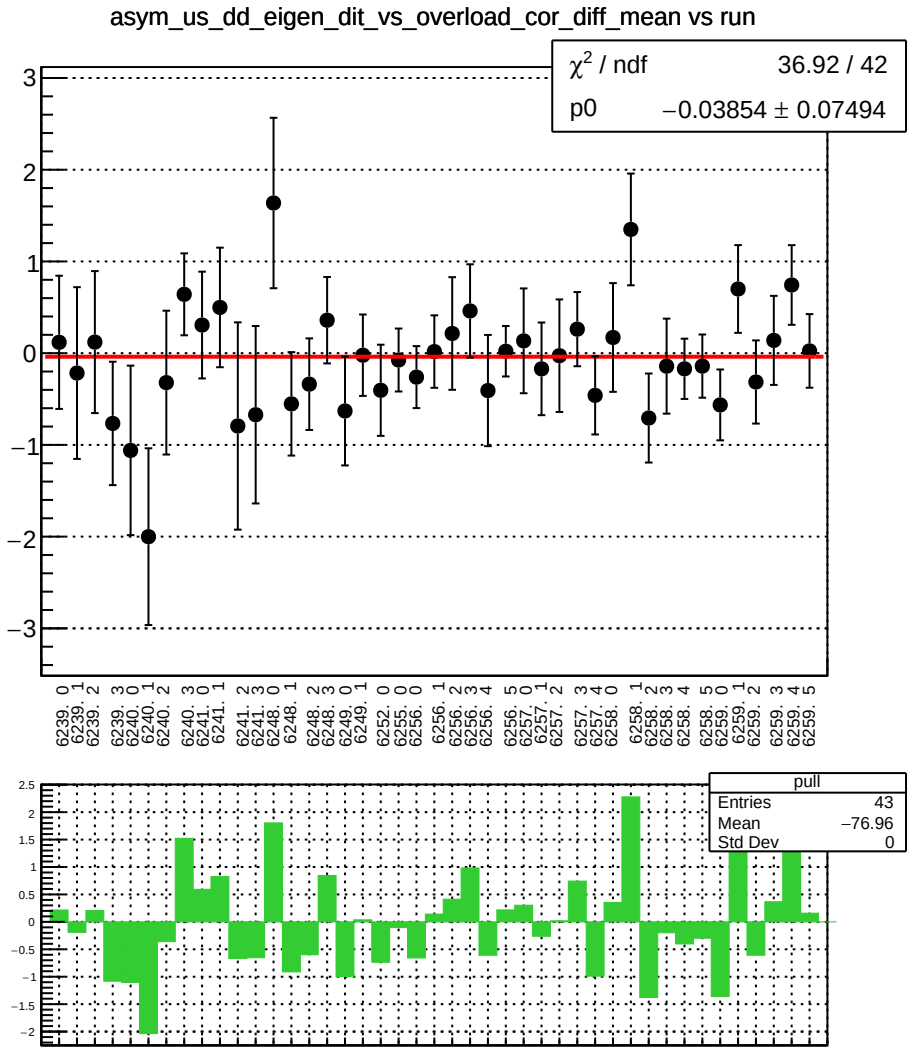

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.33 / 42
p0 −0.07631 ± 0.04737
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.6
Std Dev 0
4
3
2
1
0
−1
−2

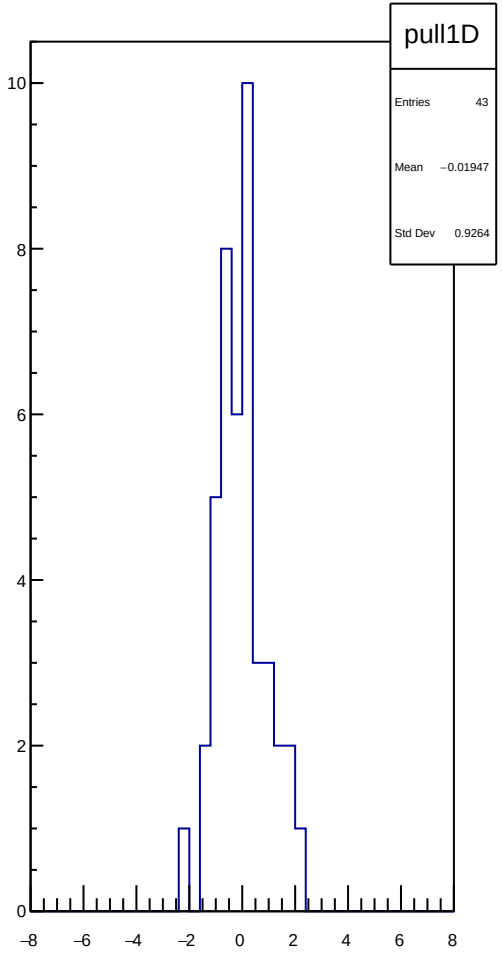

pull1D
Entries 43
Mean 0.008178
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

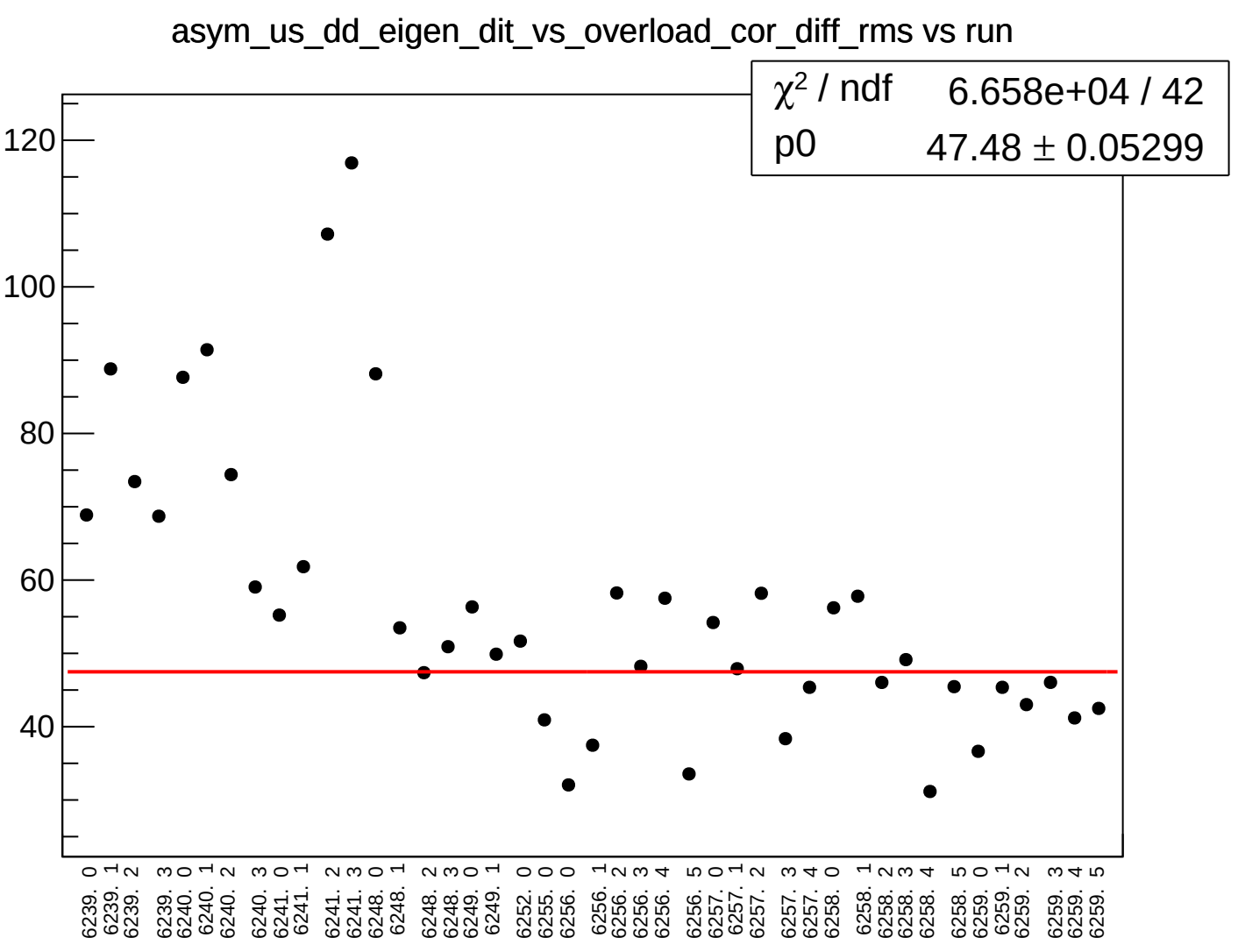

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.202e+05 / 42
p0 28.99 ± 0.0335
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

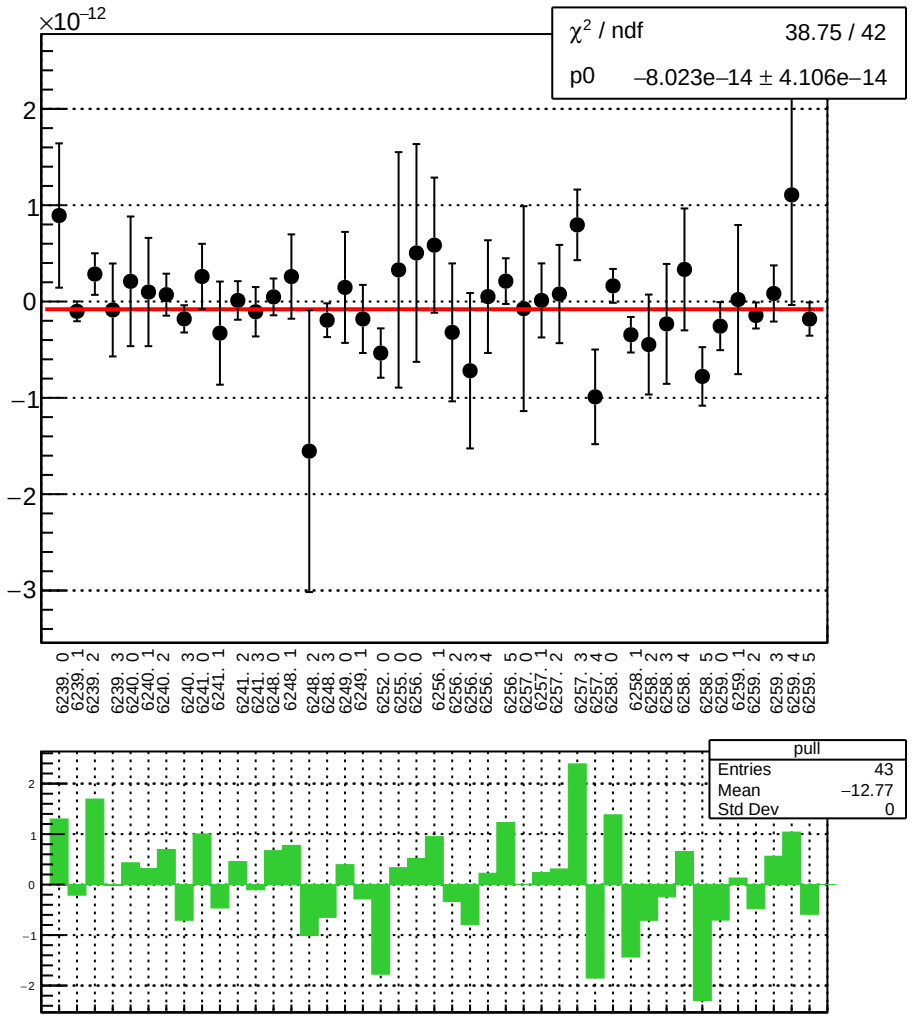

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.33 / 42
p0 −0.07631 ± 0.04737
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.6
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.008178
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

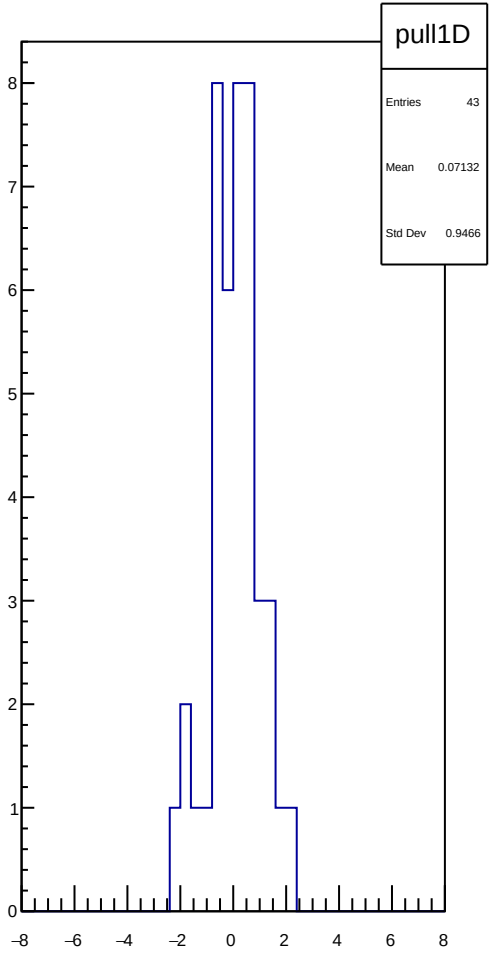

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.202e+05 / 42
p0 28.99 ± 0.0335
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

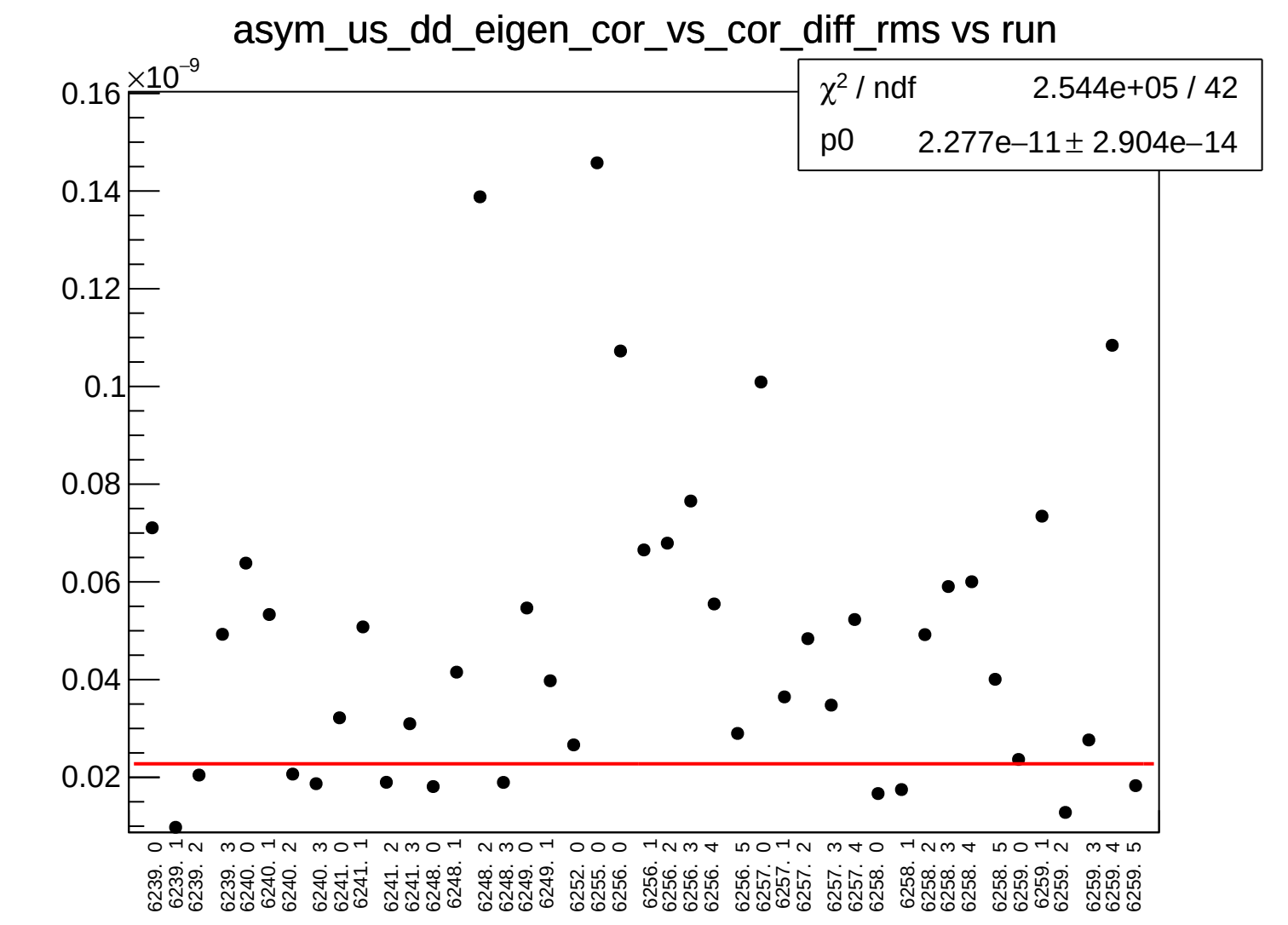

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 36.92 / 42
p0 −0.03854 ± 0.07494
pull
Entries 43
Mean −76.96
Std Dev 0

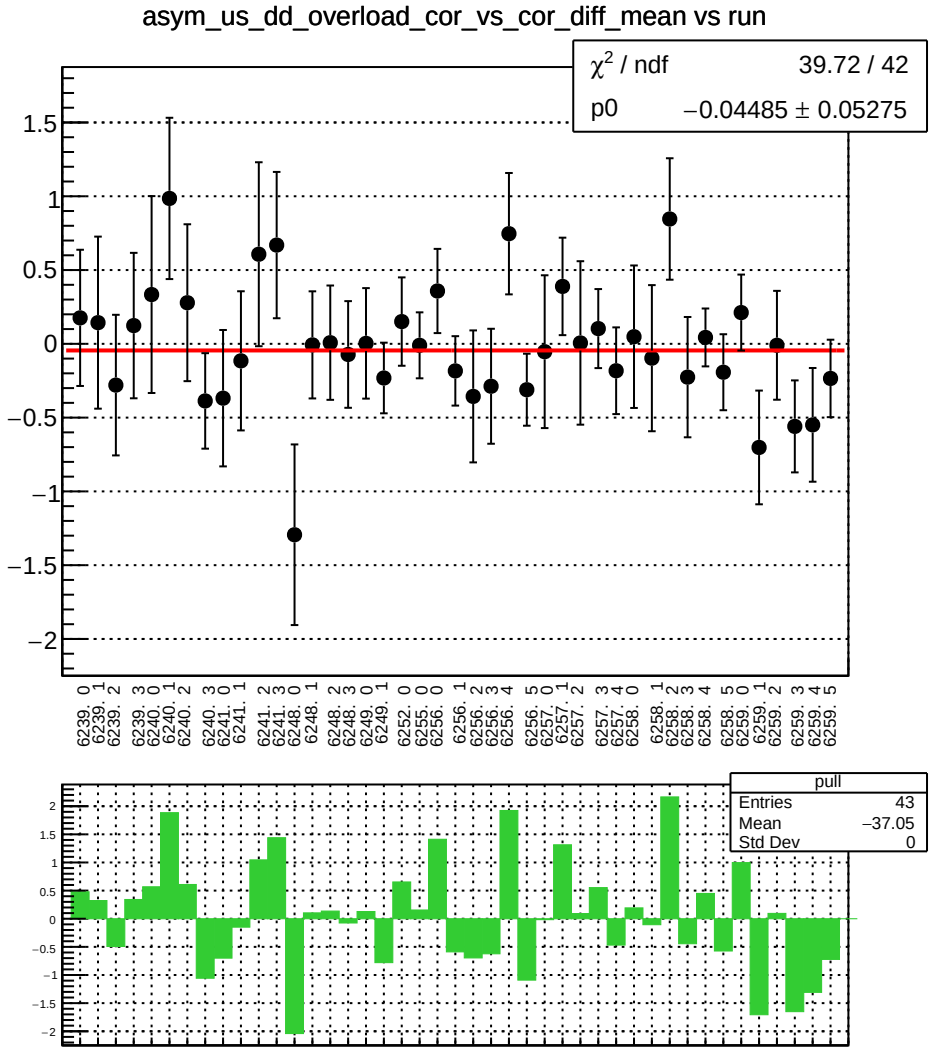

pull1D
Entries 43
Mean −0.01947
Std Dev 0.9264

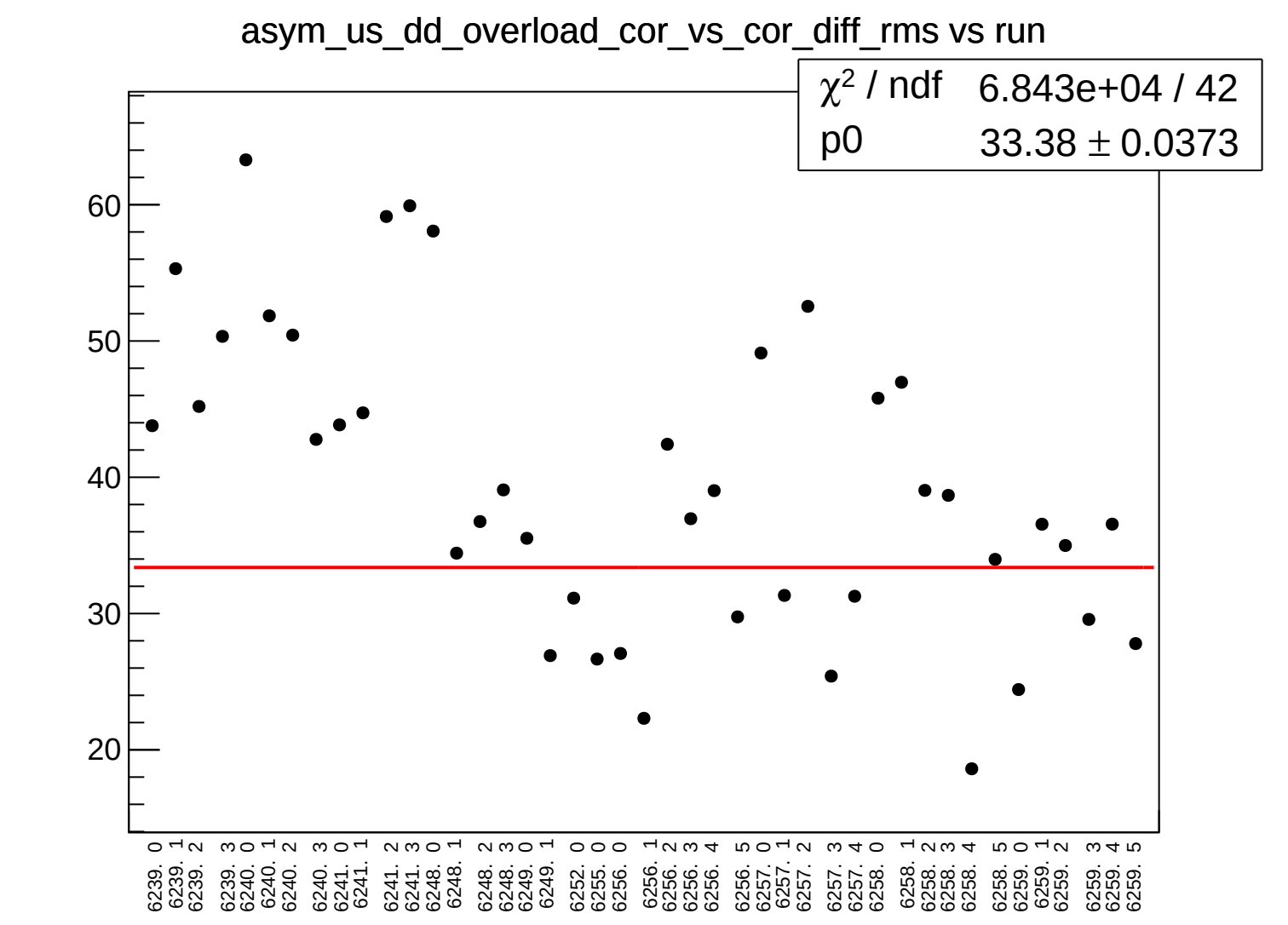

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 6.658e+04 / 42
p0 47.48 ± 0.05299
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

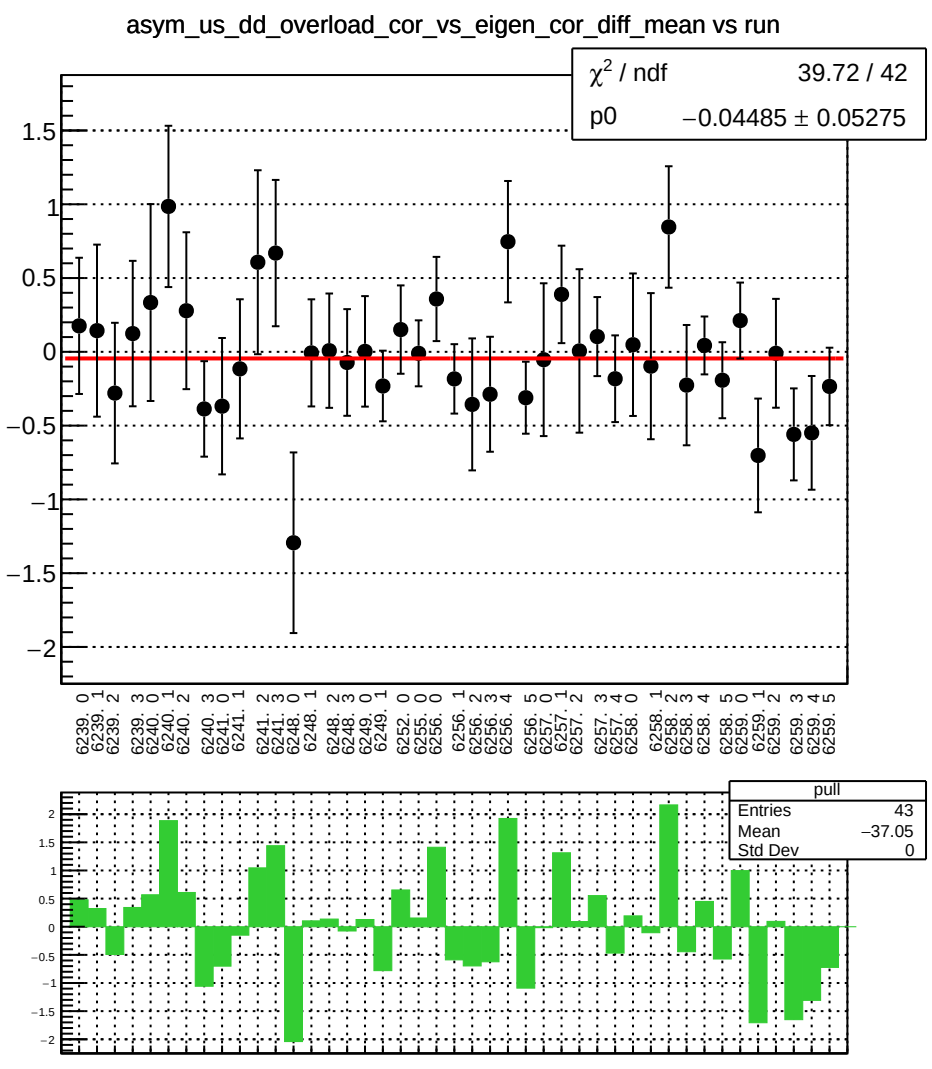

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.75 / 42
p0 −8.023e−14 ± 4.106e−14
2
1
0
−1
−2
−3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −12.77
Std Dev 0
2
1
0
−1
−2

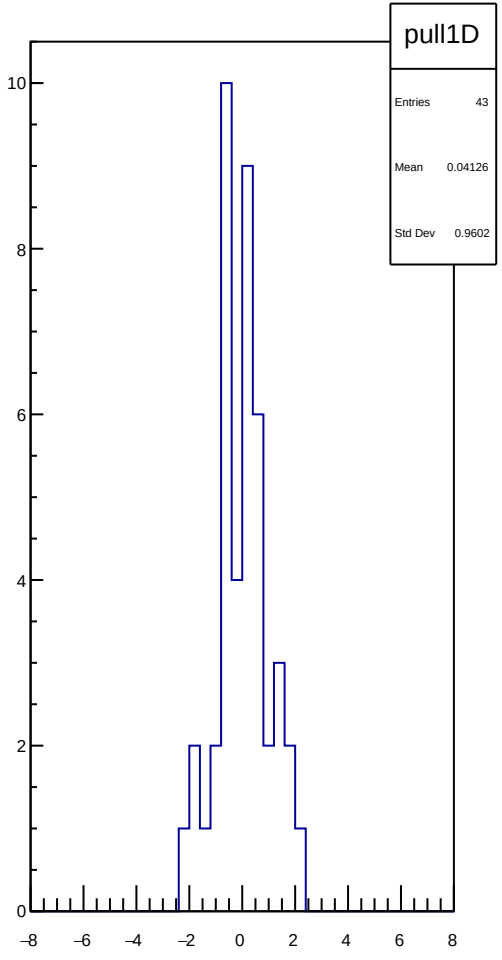

pull1D
Entries 43
Mean 0.07132
Std Dev 0.9466
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

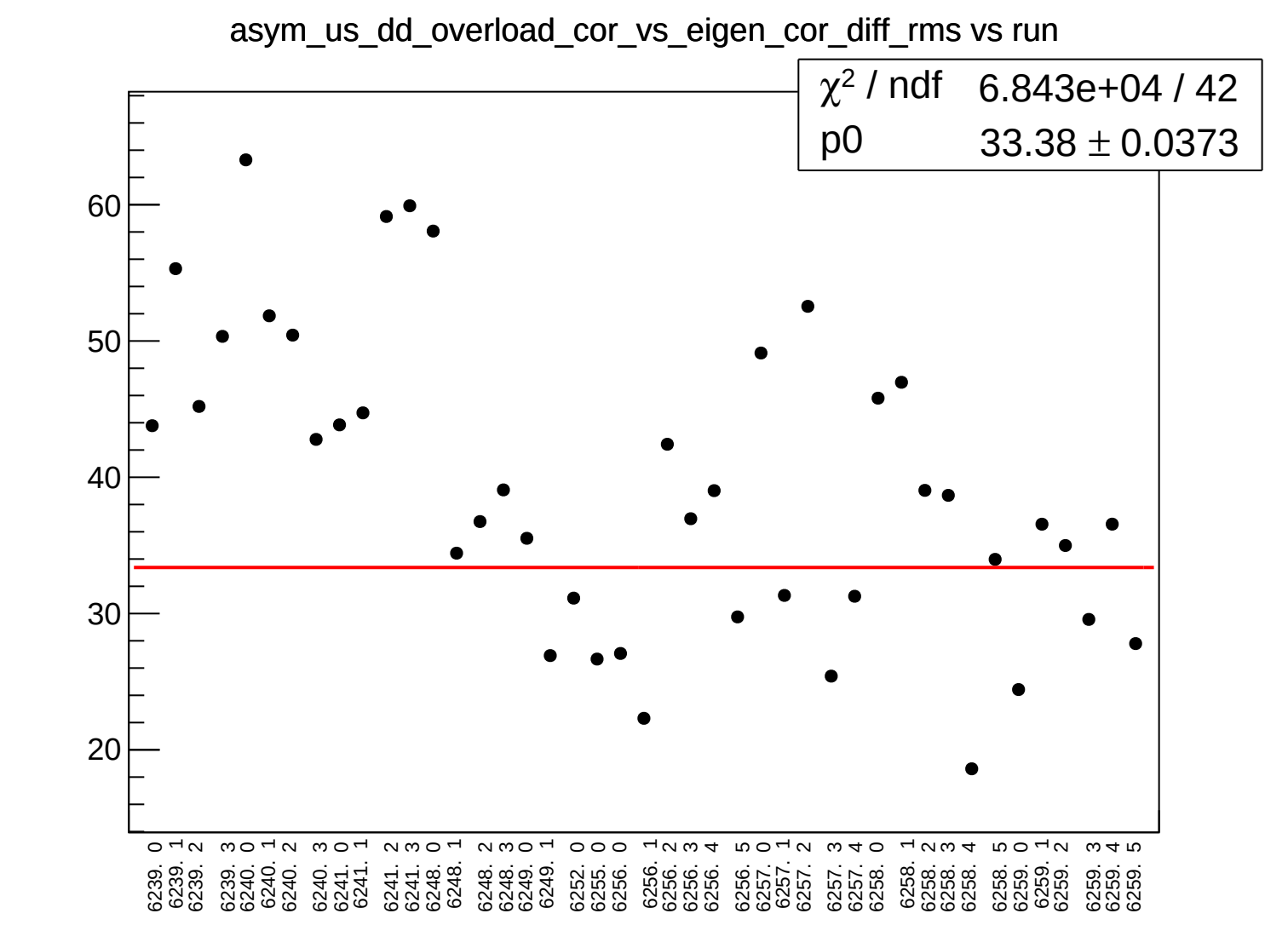

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.544e+05 / 42
p0 2.277e−11 ± 2.904e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

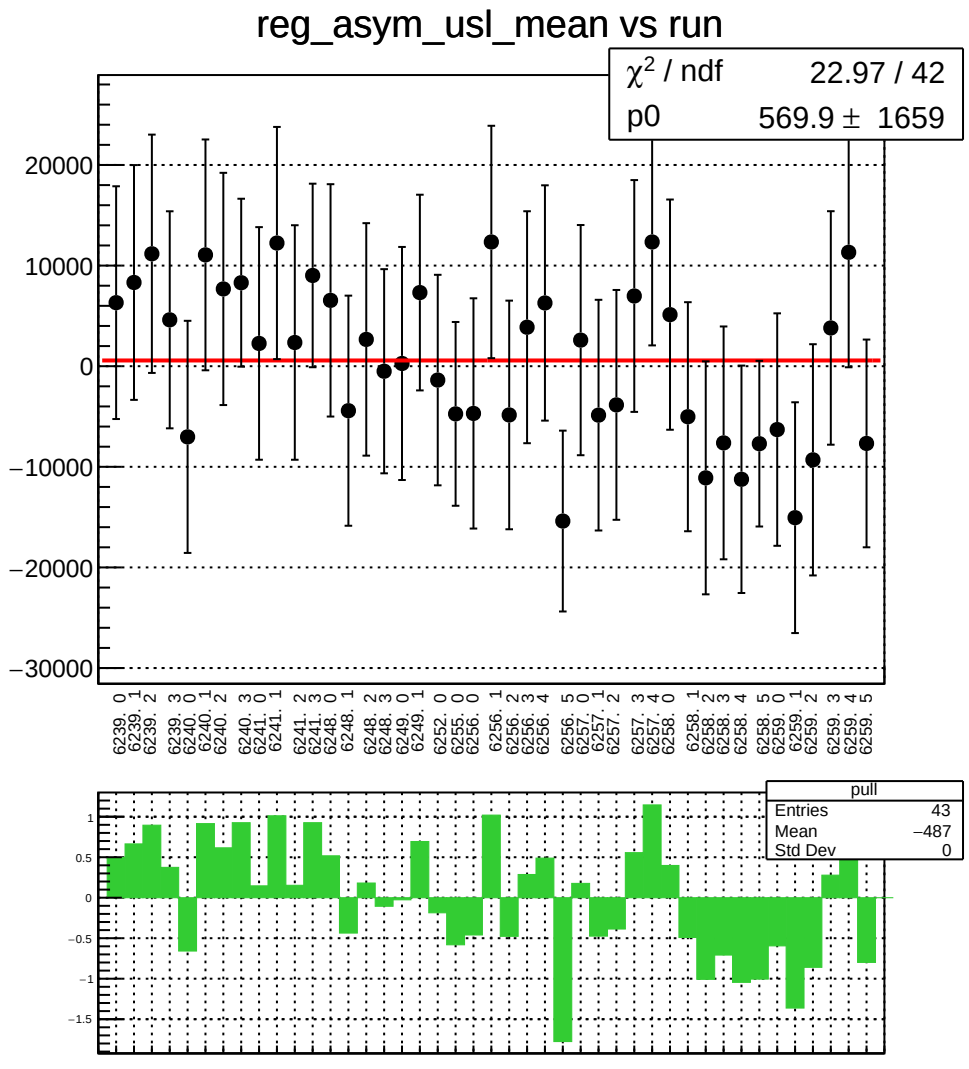

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 39.72 / 42
p0 −0.04485 ± 0.05275
pull
Entries 43
Mean −37.05
Std Dev 0
pull1D
Entries 43
Mean 0.04126
Std Dev 0.9602

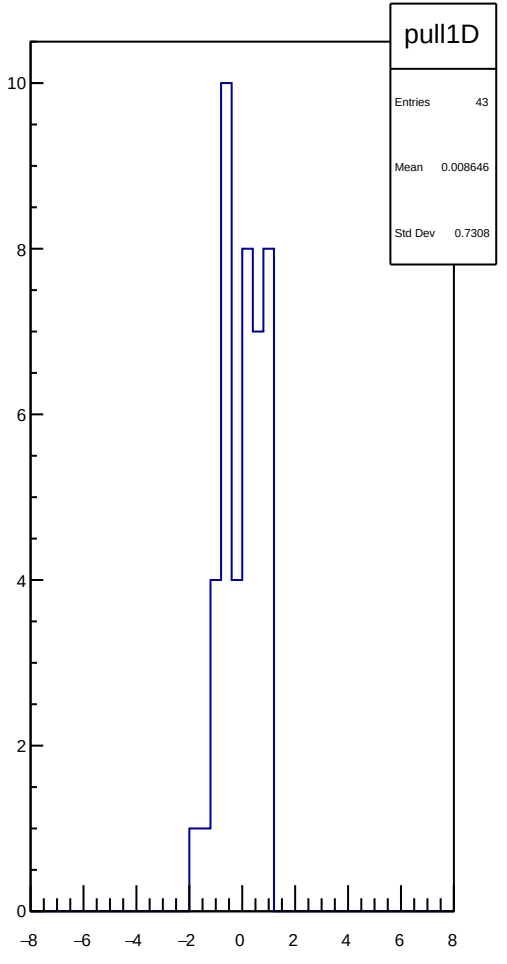

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.843e+04 / 42
p0 33.38 ± 0.0373
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

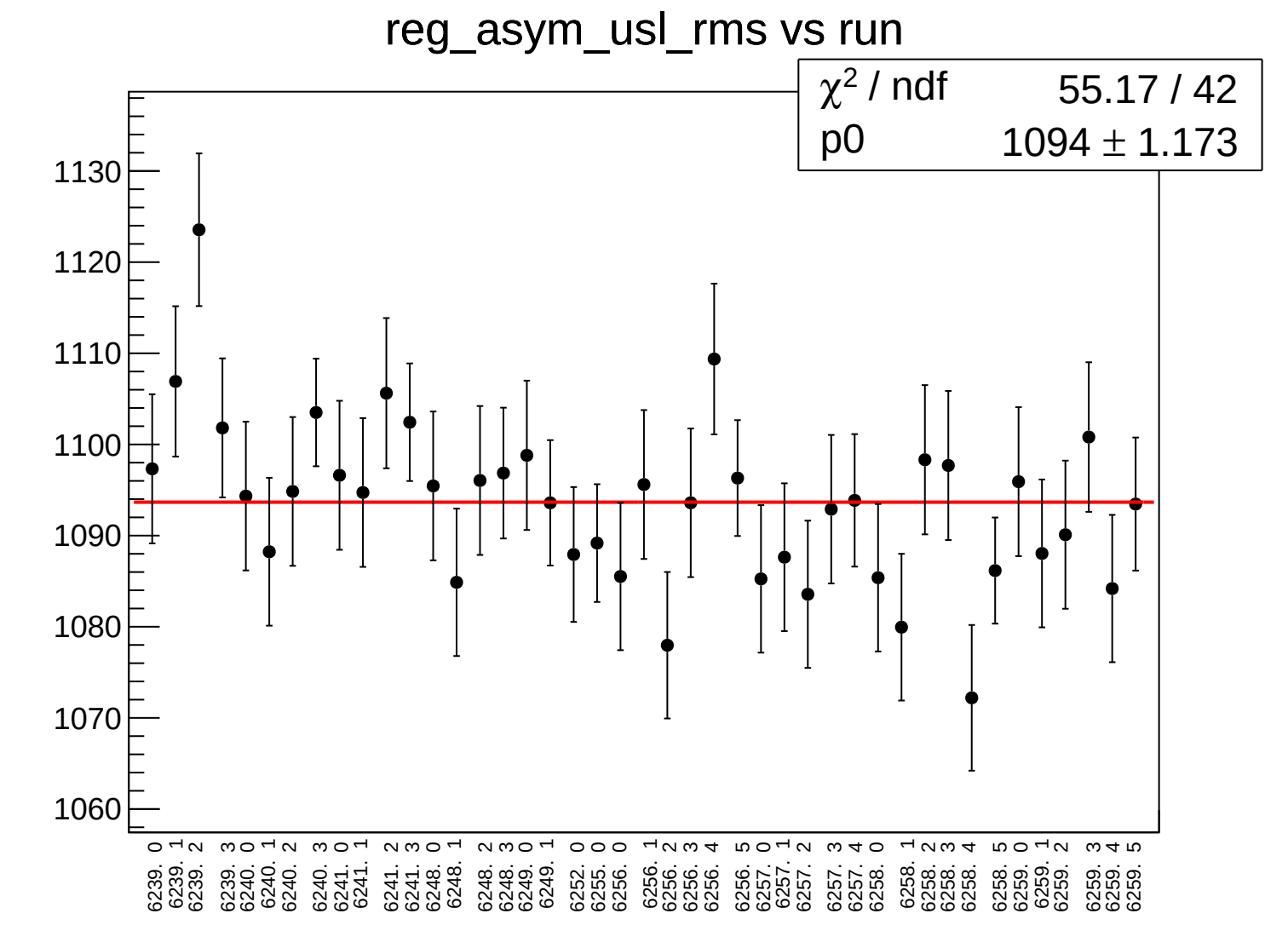

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.72 / 42
p0 −0.04485 ± 0.05275
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −37.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

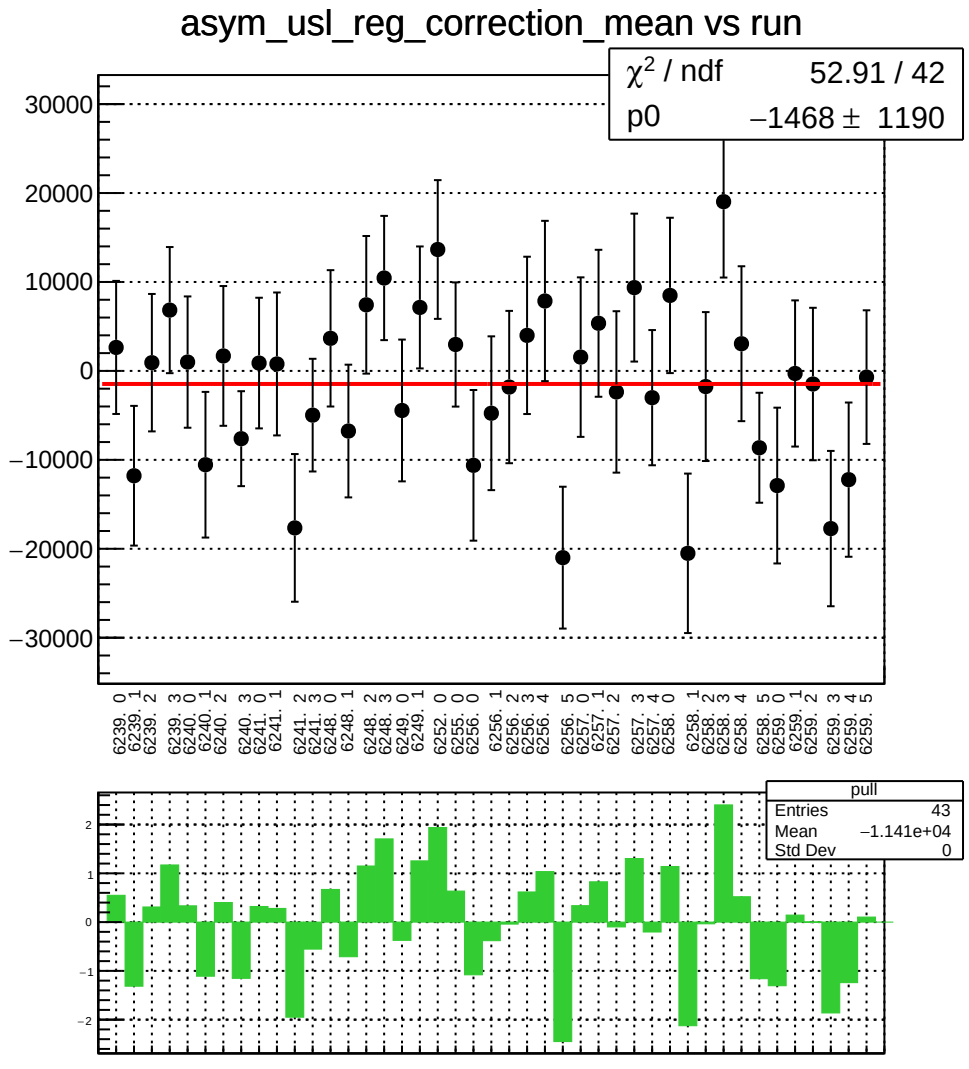

pull1D
Entries 43
Mean 0.04126
Std Dev 0.9602
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

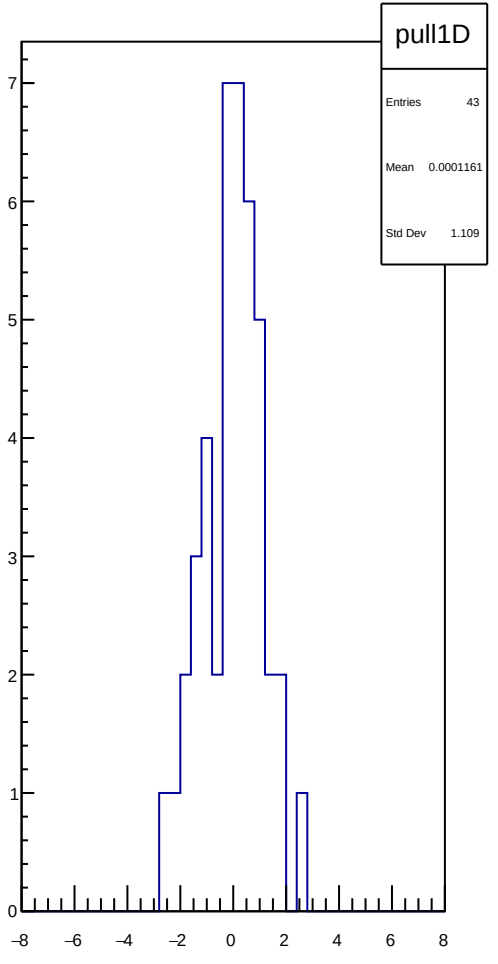

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.843e+04 / 42
p0 33.38 ± 0.0373
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

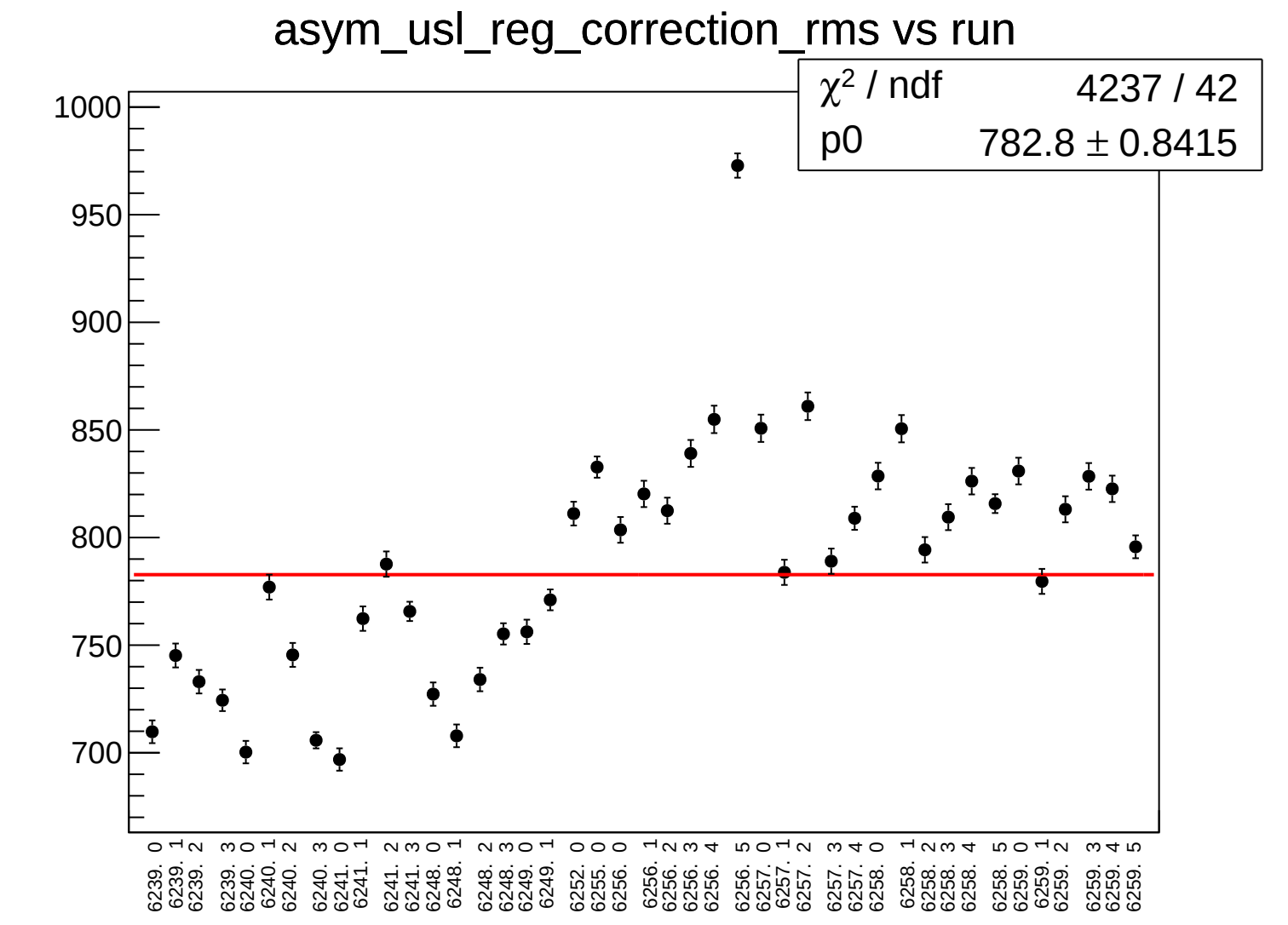

reg_asym_usl_mean vs run
χ² / ndf 22.97 / 42
p0 569.9 ± 1659
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −487
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

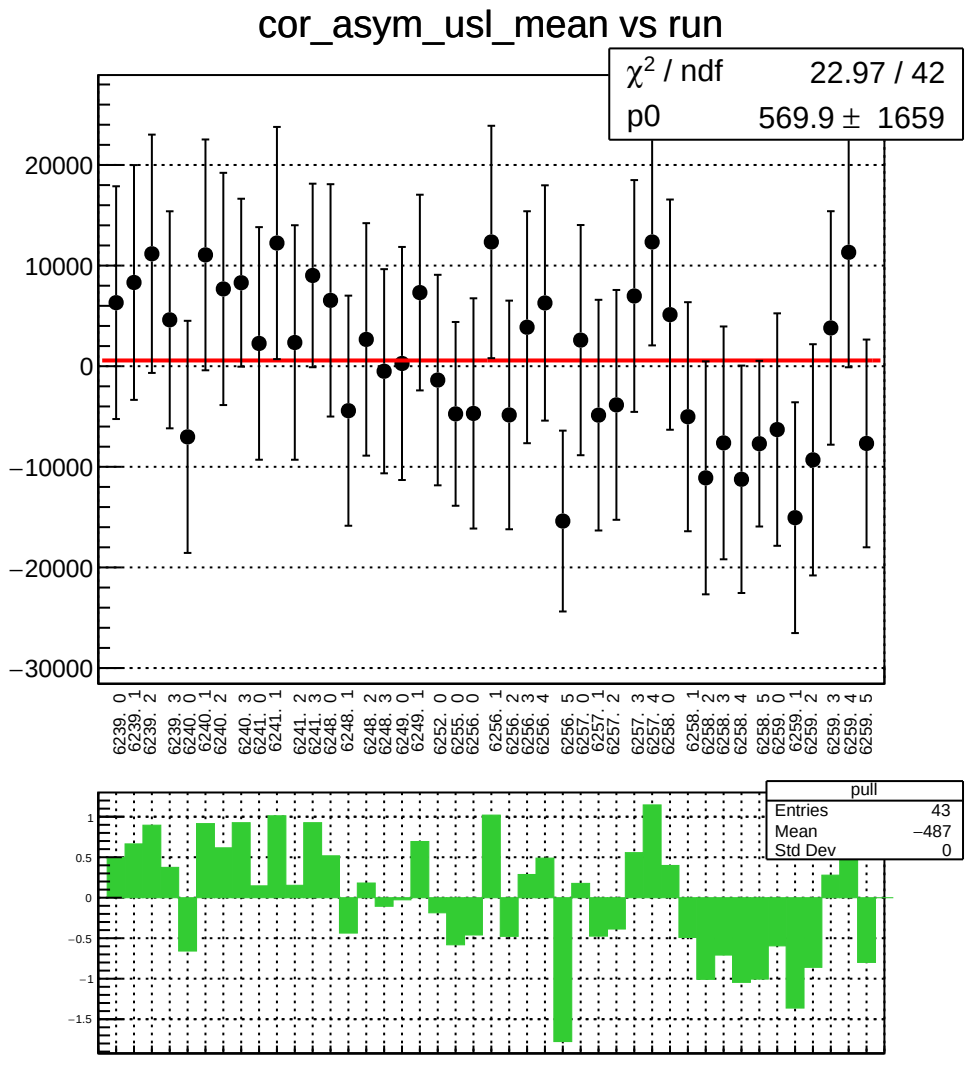

pull1D
Entries 43
Mean 0.008646
Std Dev 0.7308
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_rms vs run
χ² / ndf 55.17 / 42
p0 1094 ± 1.173
1130
1120
1110
1100
1090
1080
1070
1060
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usl_reg_correction_mean vs run
χ² / ndf 52.91 / 42
p0 −1468 ± 1190
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1.141e+04
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.0001161
Std Dev 1.109
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_reg_correction_rms vs run
χ² / ndf 4237 / 42
p0 782.8 ± 0.8415
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_usl_mean vs run
χ² / ndf 22.97 / 42
p0 569.9 ± 1659
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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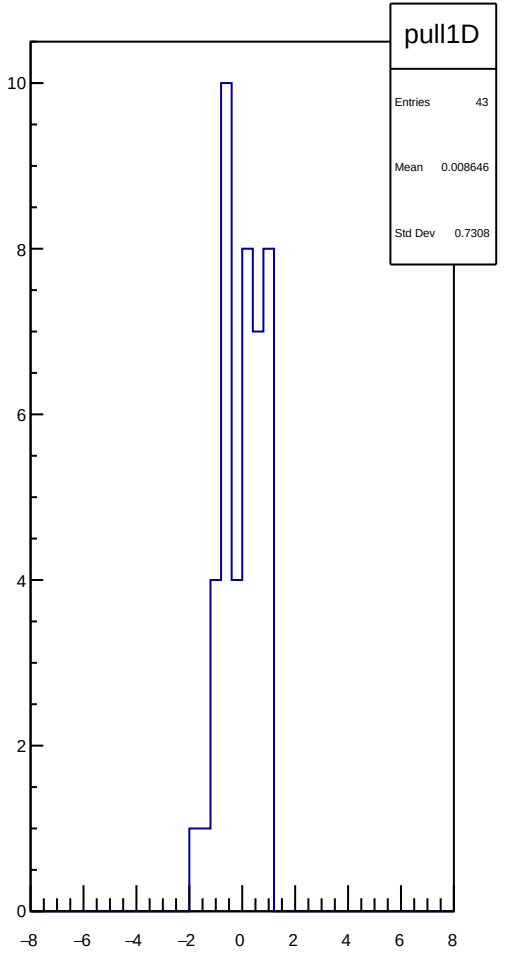
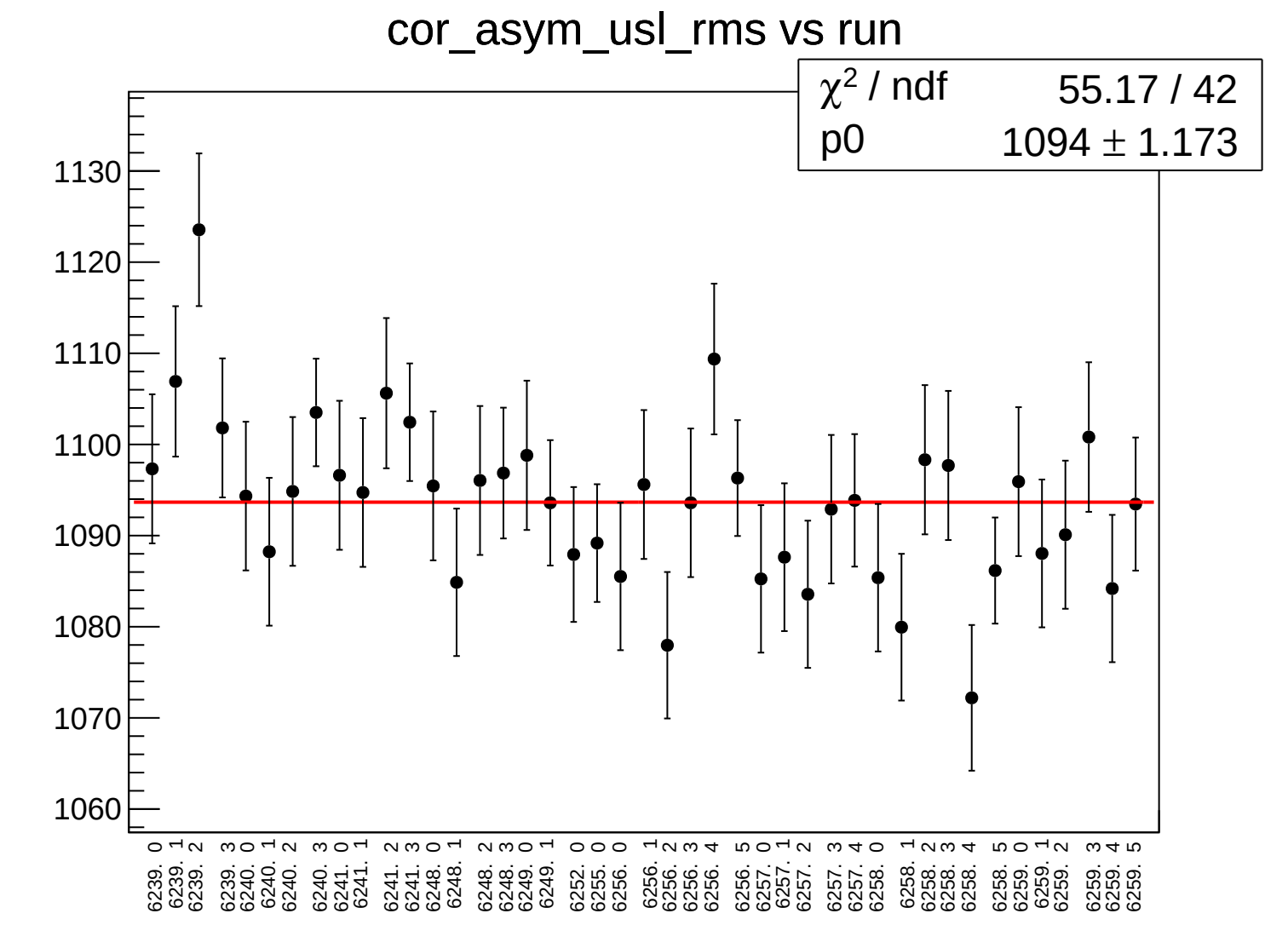
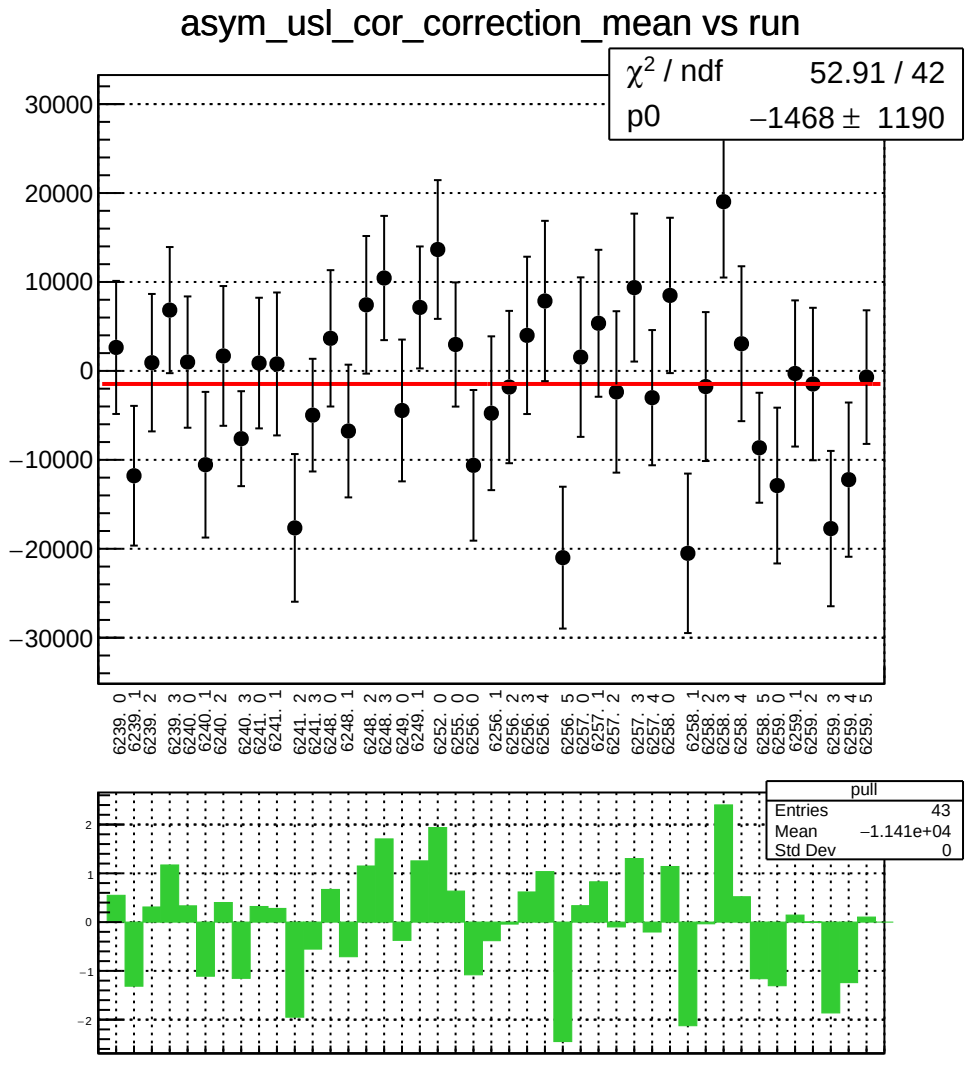
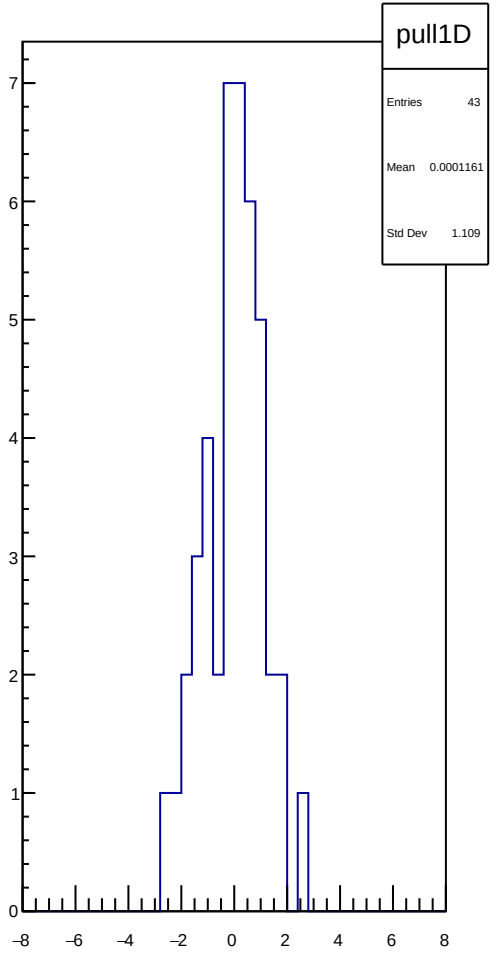
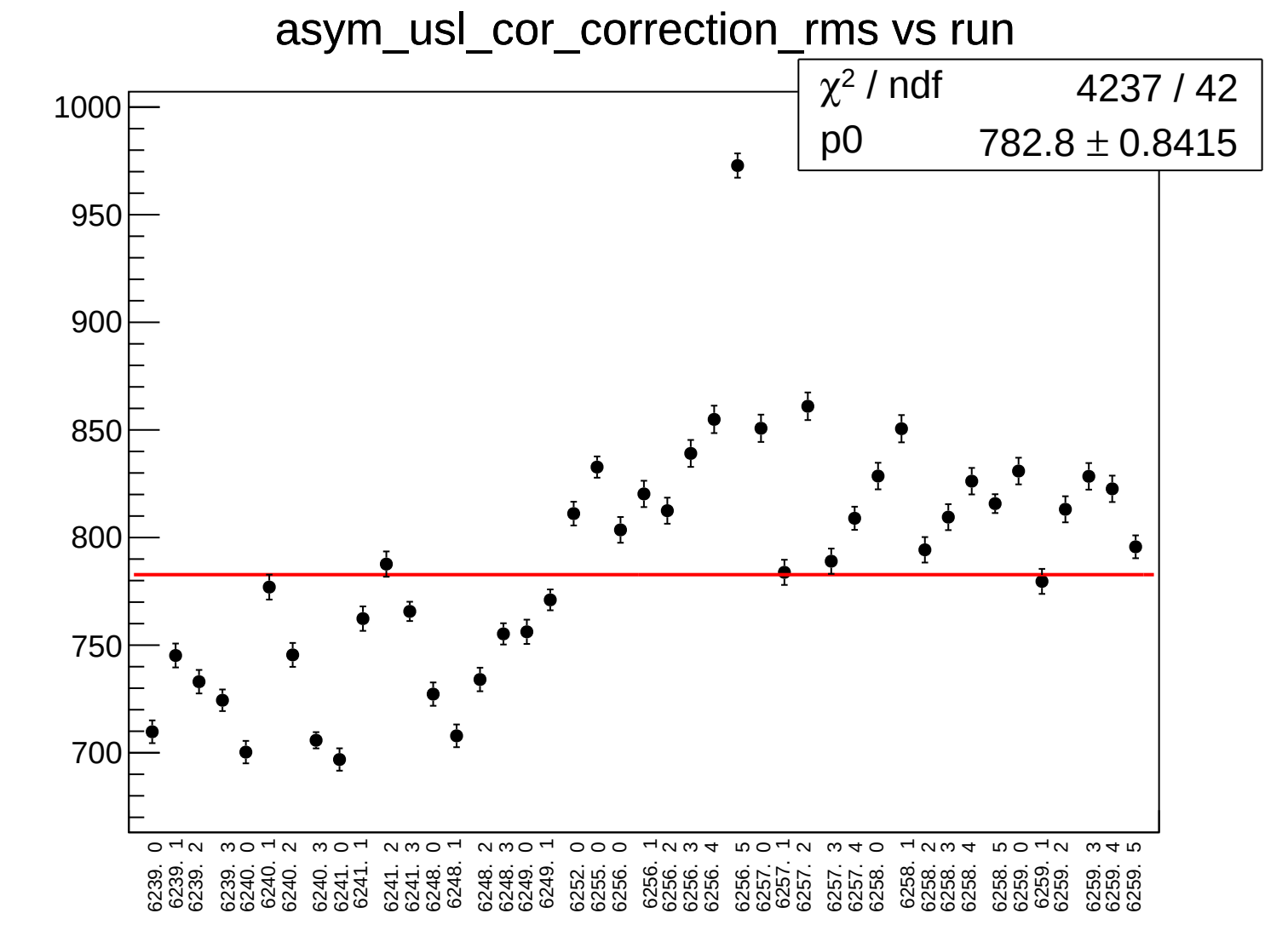
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −487
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

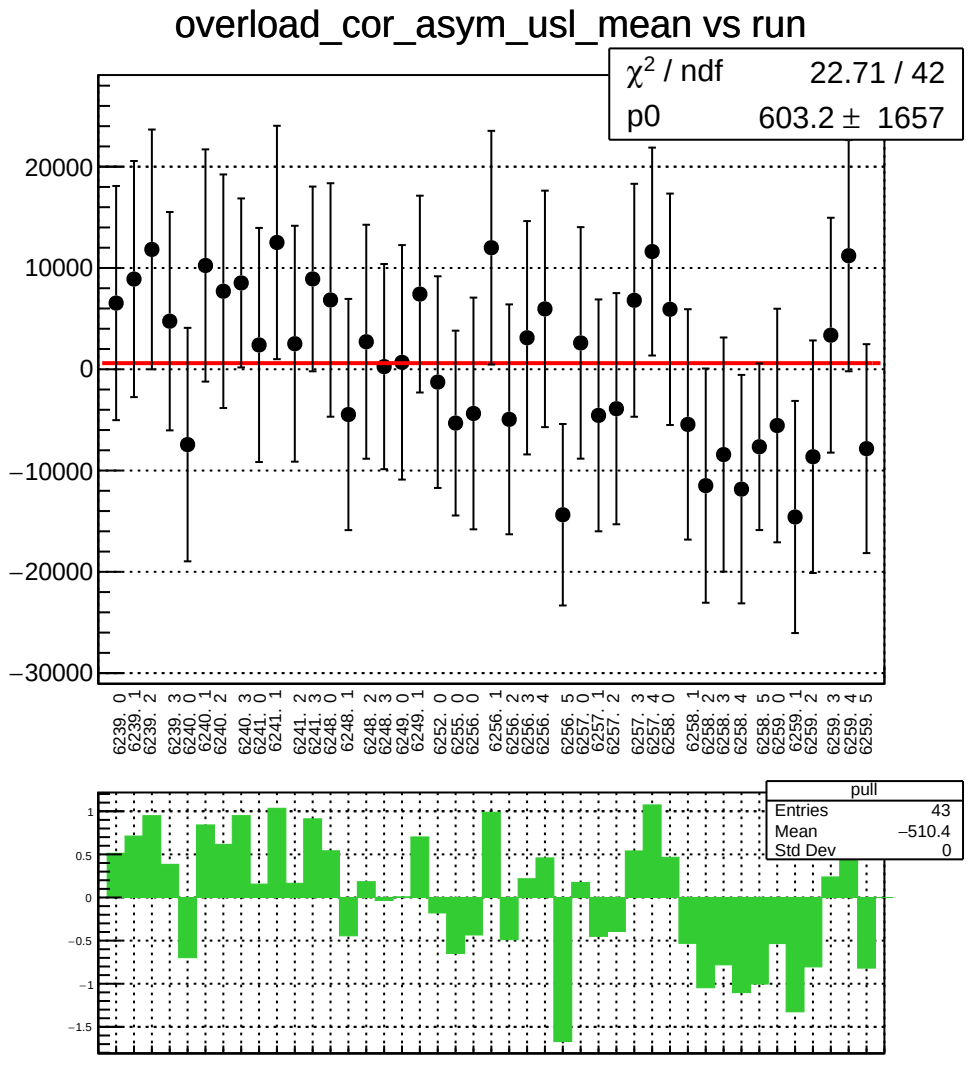

pull1D
Entries 43
Mean 0.008646
Std Dev 0.7308
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

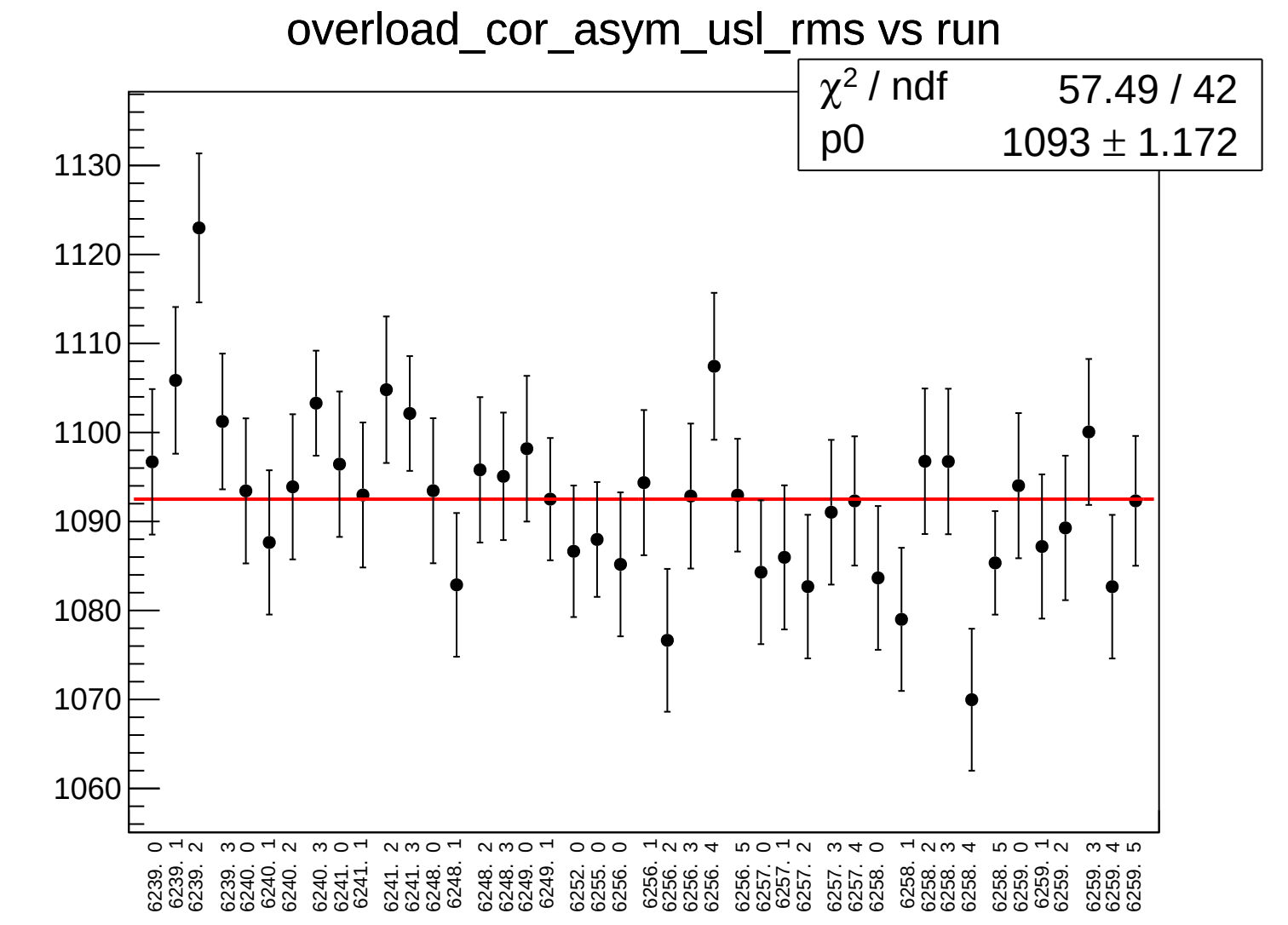

cor_asym_usl_rms vs run
χ² / ndf 55.17 / 42
p0 1094 ± 1.173
1130
1120
1110
1100
1090
1080
1070
1060
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usl_cor_correction_mean vs run
χ² / ndf 52.91 / 42
p0 −1468 ± 1190
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1.141e+04
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.0001161
Std Dev 1.109
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_cor_correction_rms vs run
χ² / ndf 4237 / 42
p0 782.8 ± 0.8415
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


overload_cor_asym_usl_mean vs run
χ² / ndf 22.71 / 42
p0 603.2 ± 1657
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −510.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.008411
Std Dev 0.7266
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_usl_rms vs run
χ² / ndf 57.49 / 42
p0 1093 ± 1.172
1130
1120
1110
1100
1090
1080
1070
1060
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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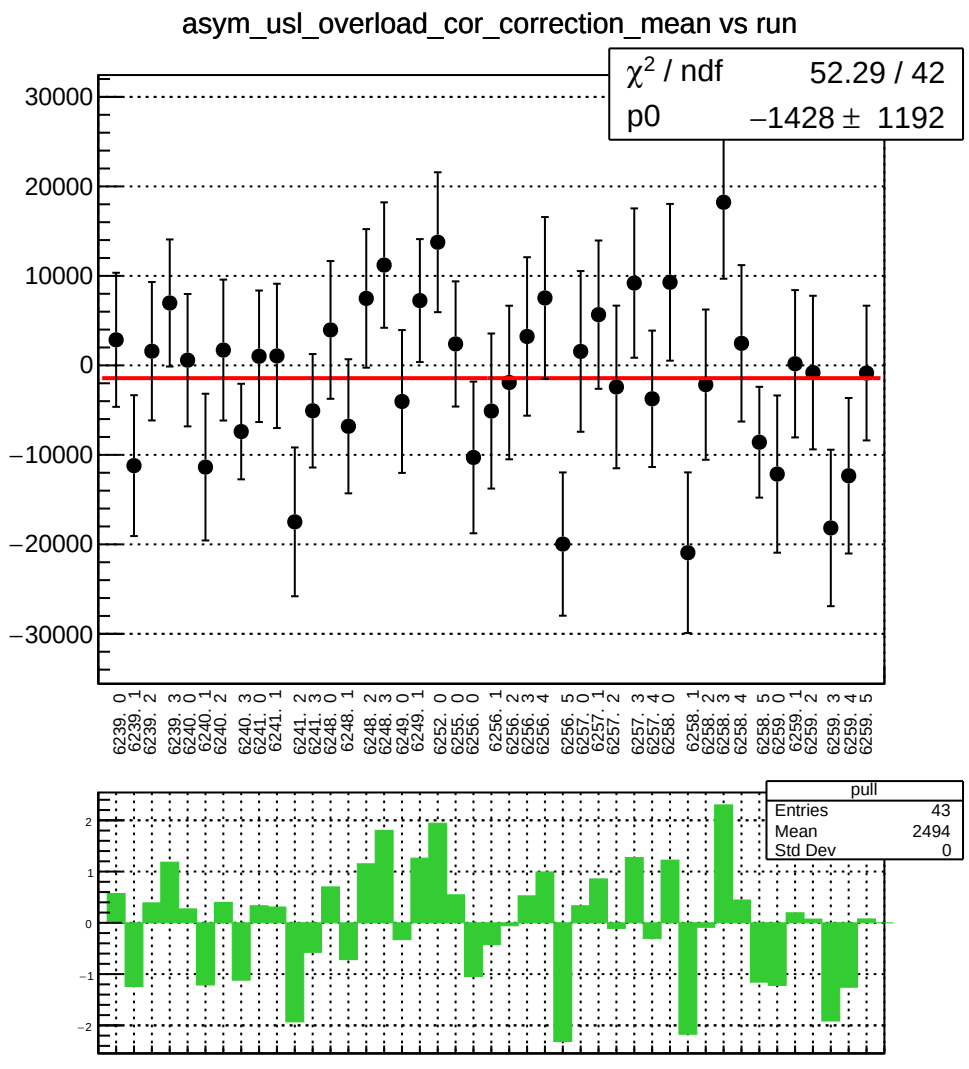
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usl_overload_cor_correction_mean vs run
χ² / ndf 52.29 / 42
p0 −1428 ± 1192
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
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6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
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6257. 0
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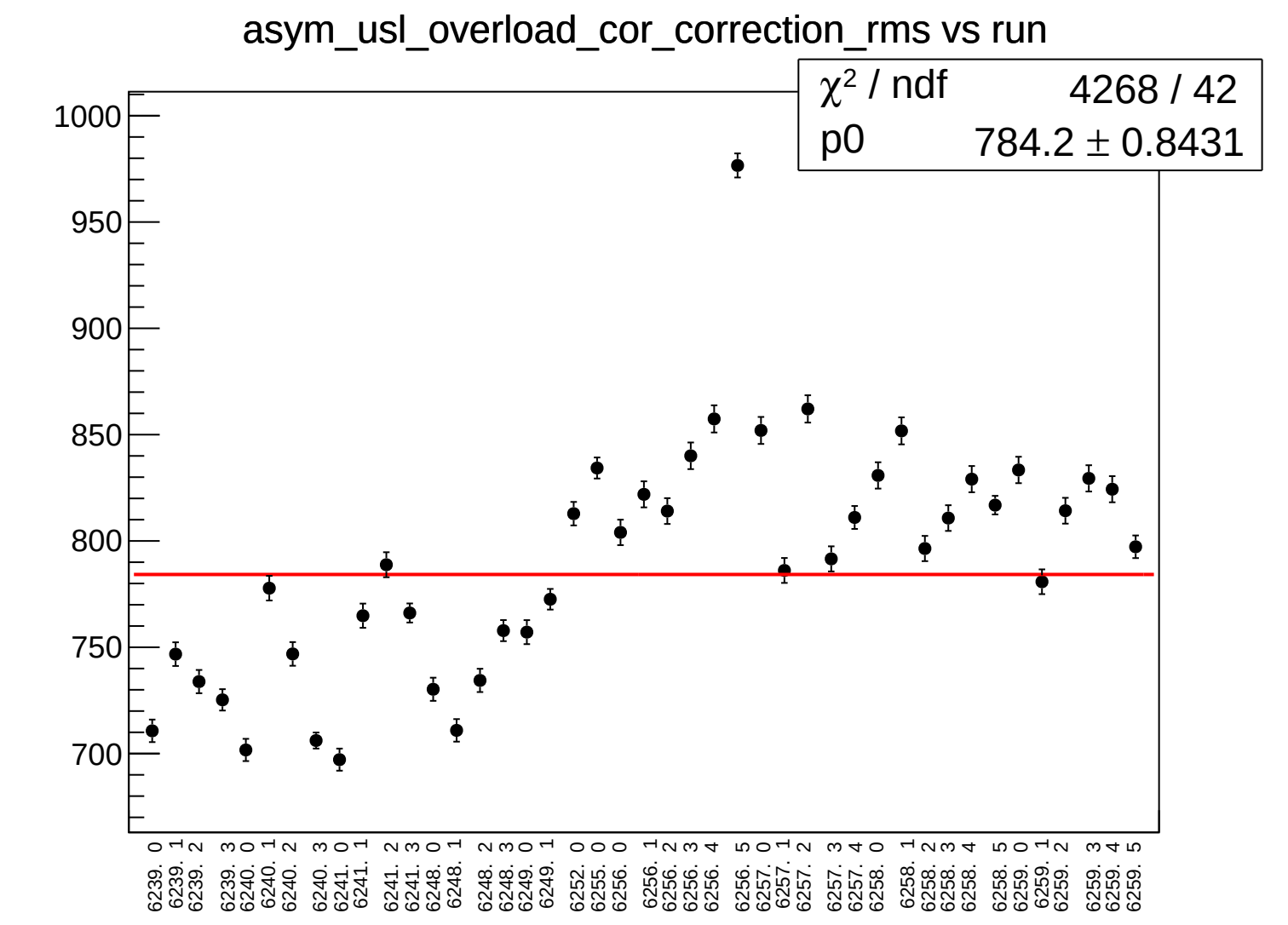
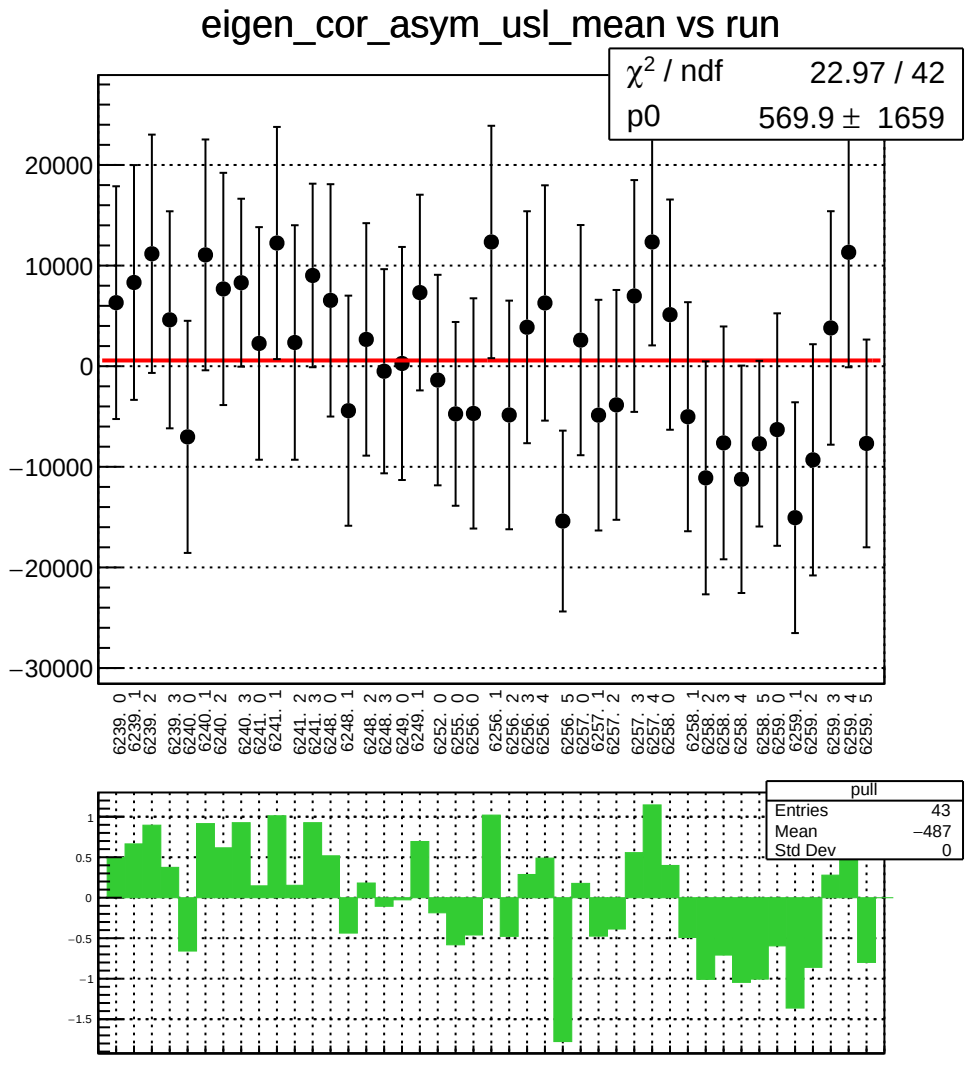
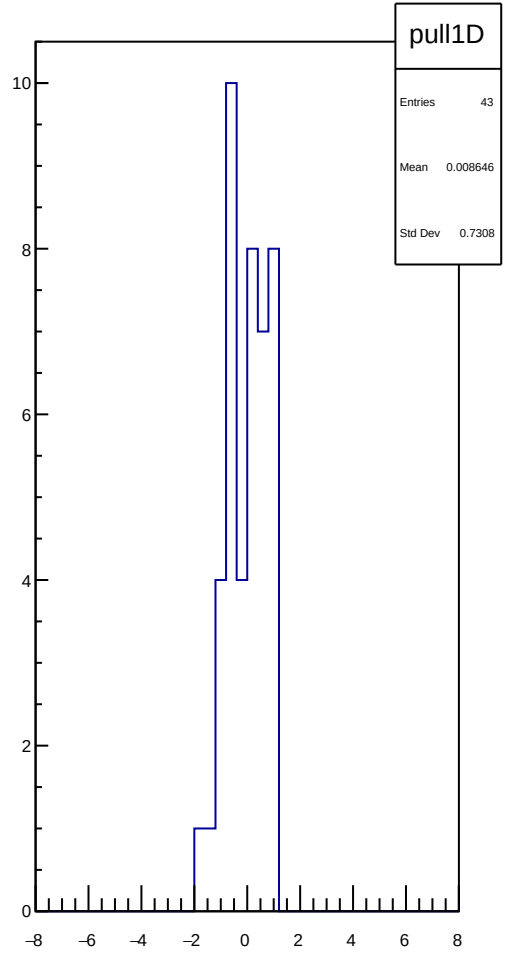
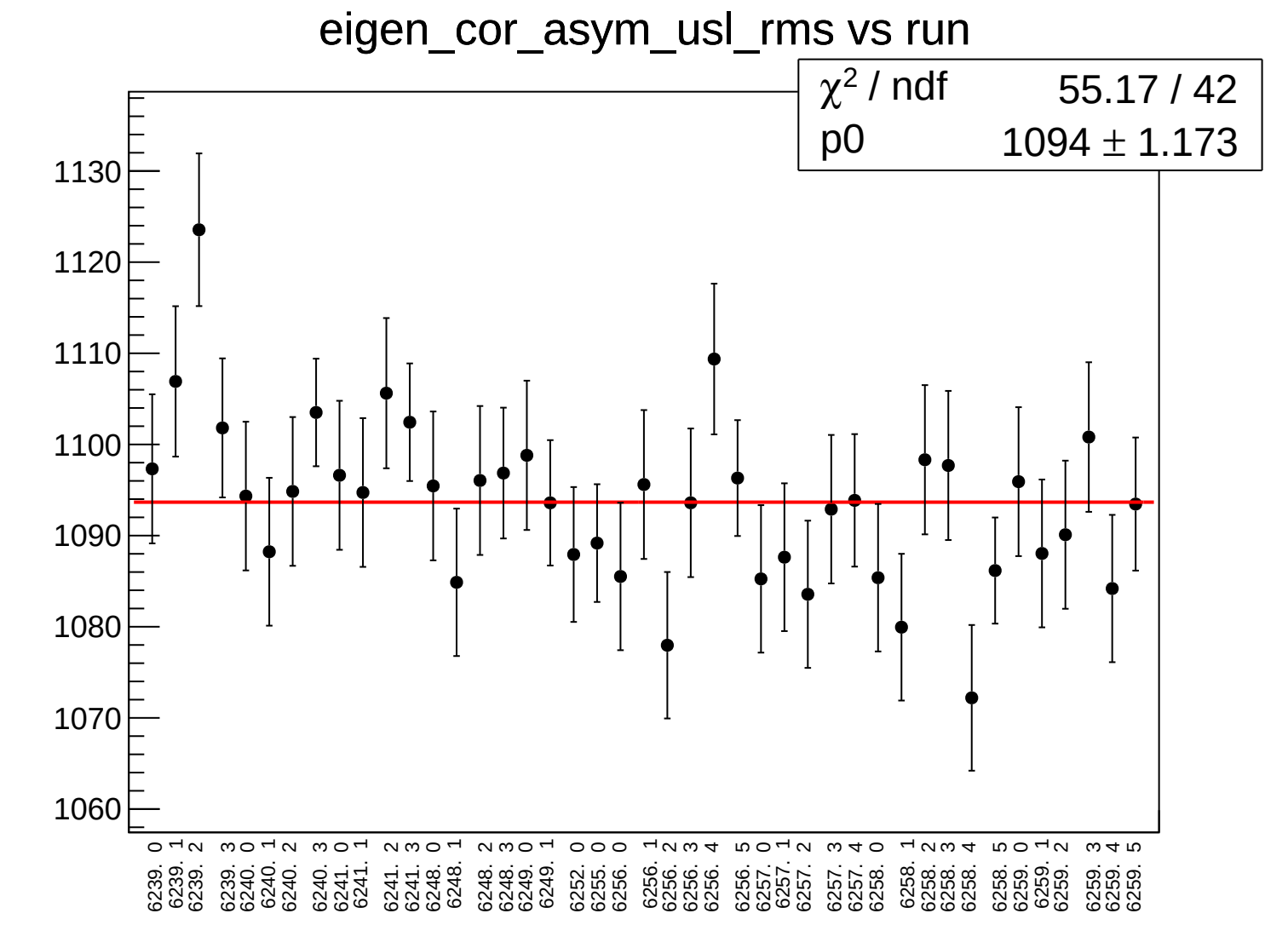
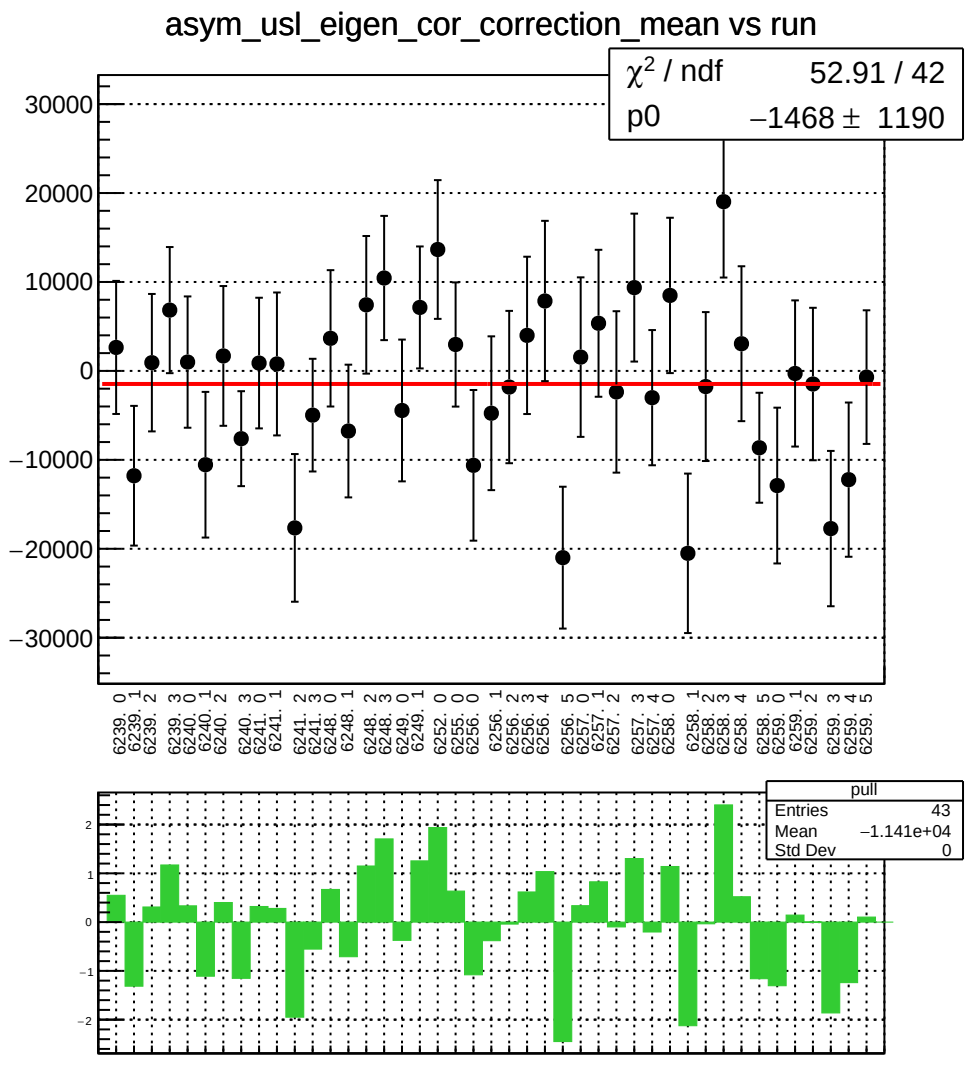
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2494
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0005798
Std Dev 1.103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

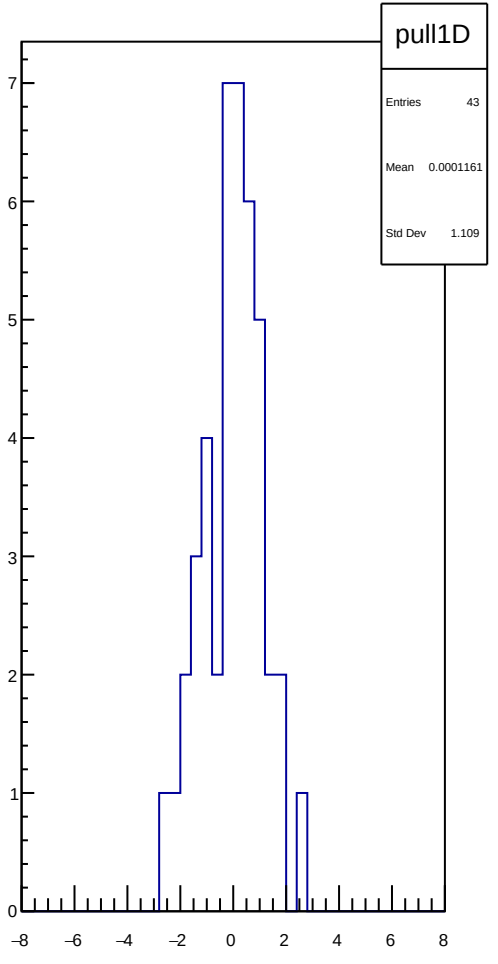

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 4268 / 42
p0 784.2 ± 0.8431
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

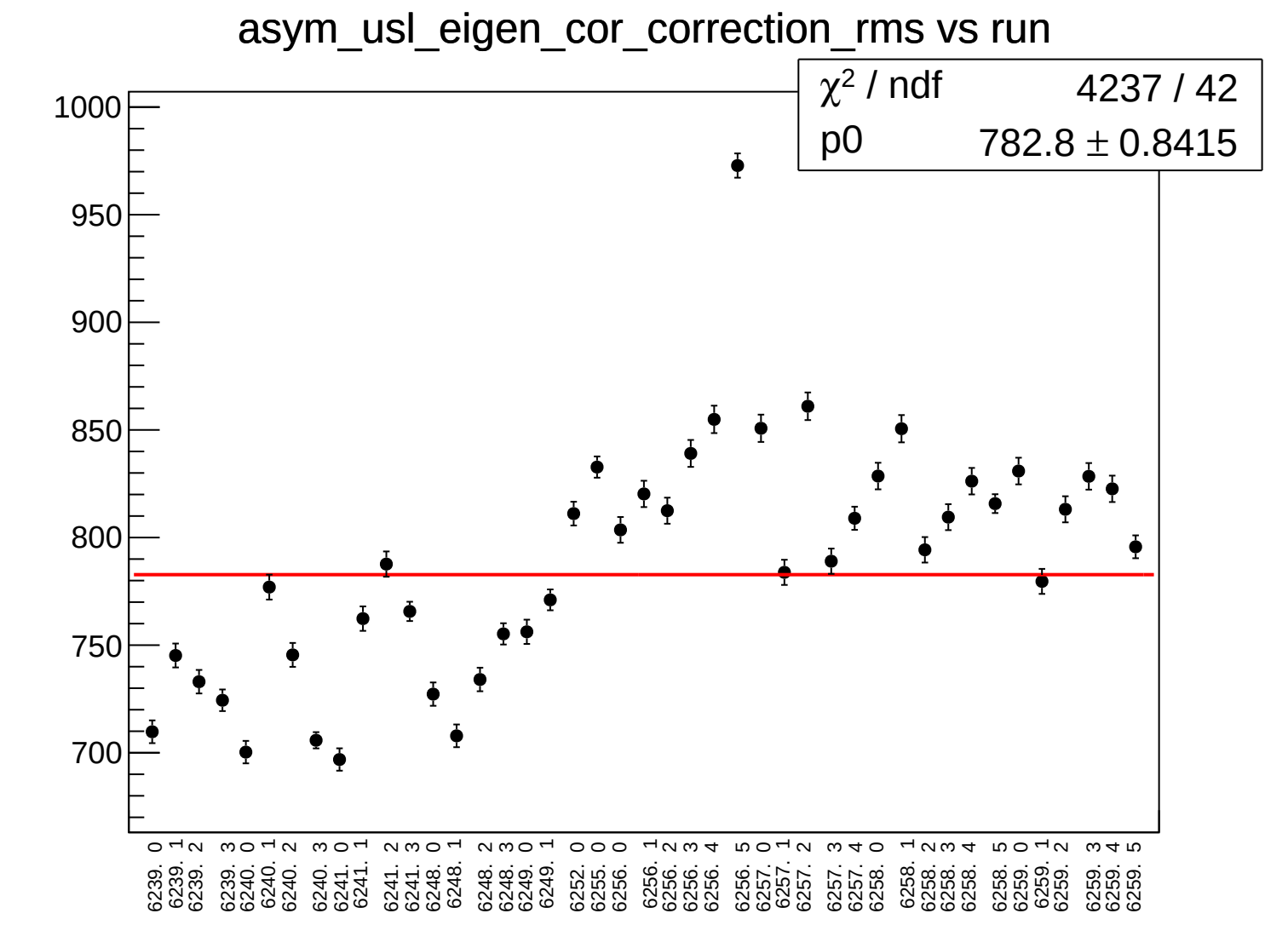

eigen_cor_asym_usl_mean vs run
χ² / ndf 22.97 / 42
p0 569.9 ± 1659
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −487
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

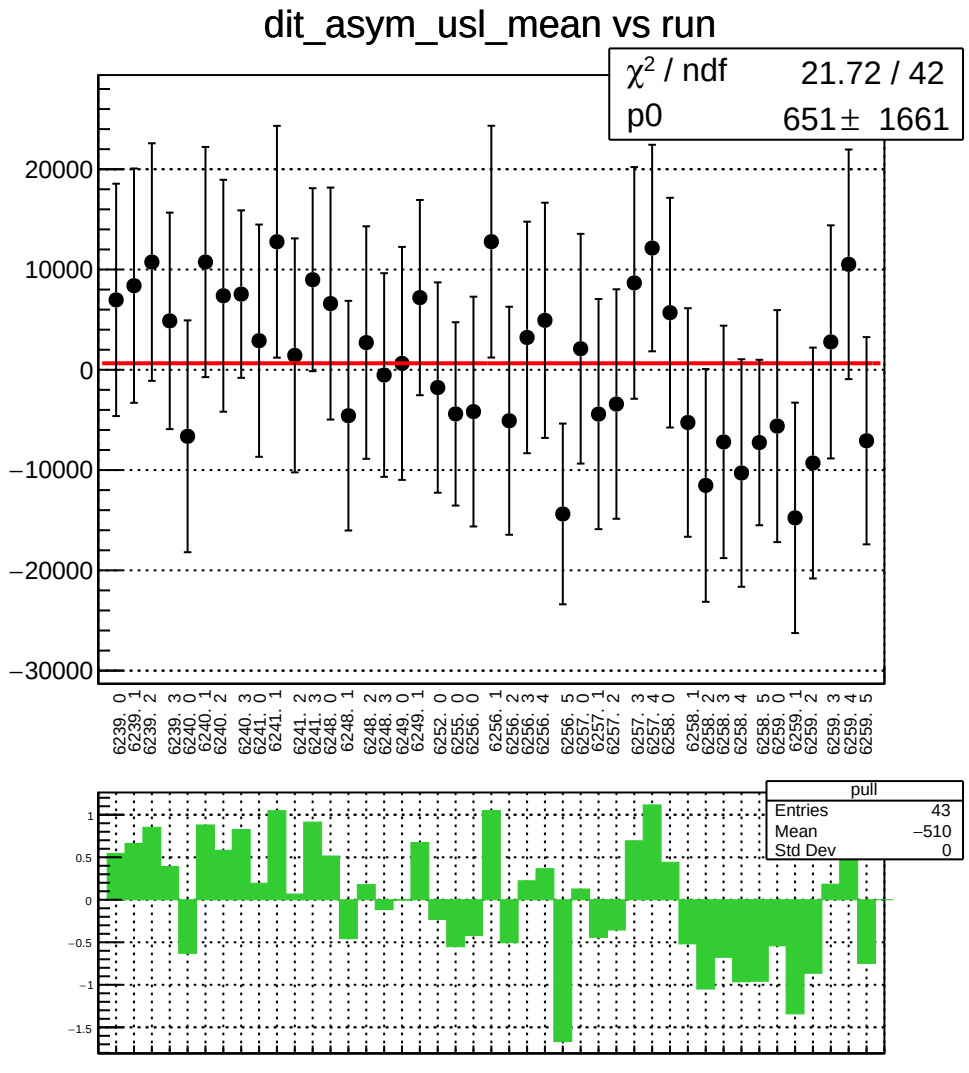

pull1D
Entries 43
Mean 0.008646
Std Dev 0.7308
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

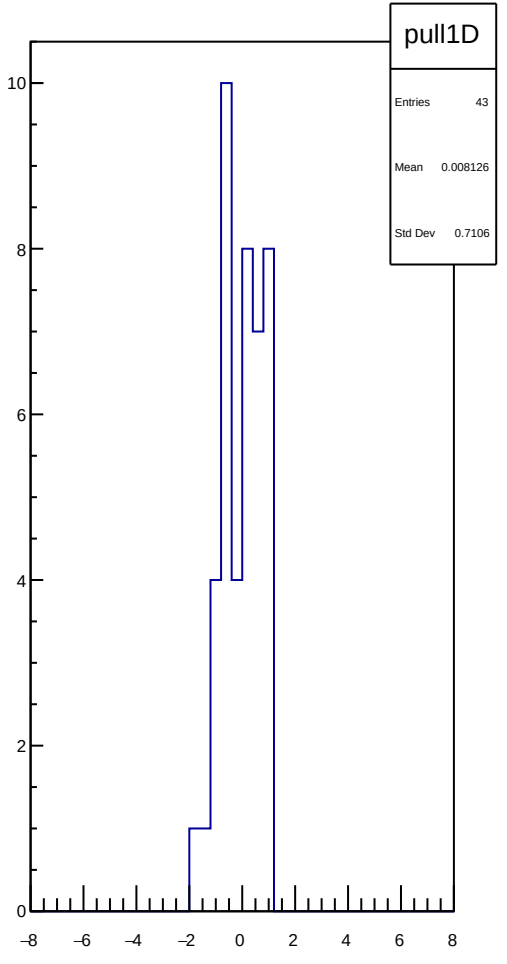

eigen_cor_asym_usl_rms vs run
χ² / ndf 55.17 / 42
p0 1094 ± 1.173
1130
1120
1110
1100
1090
1080
1070
1060
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

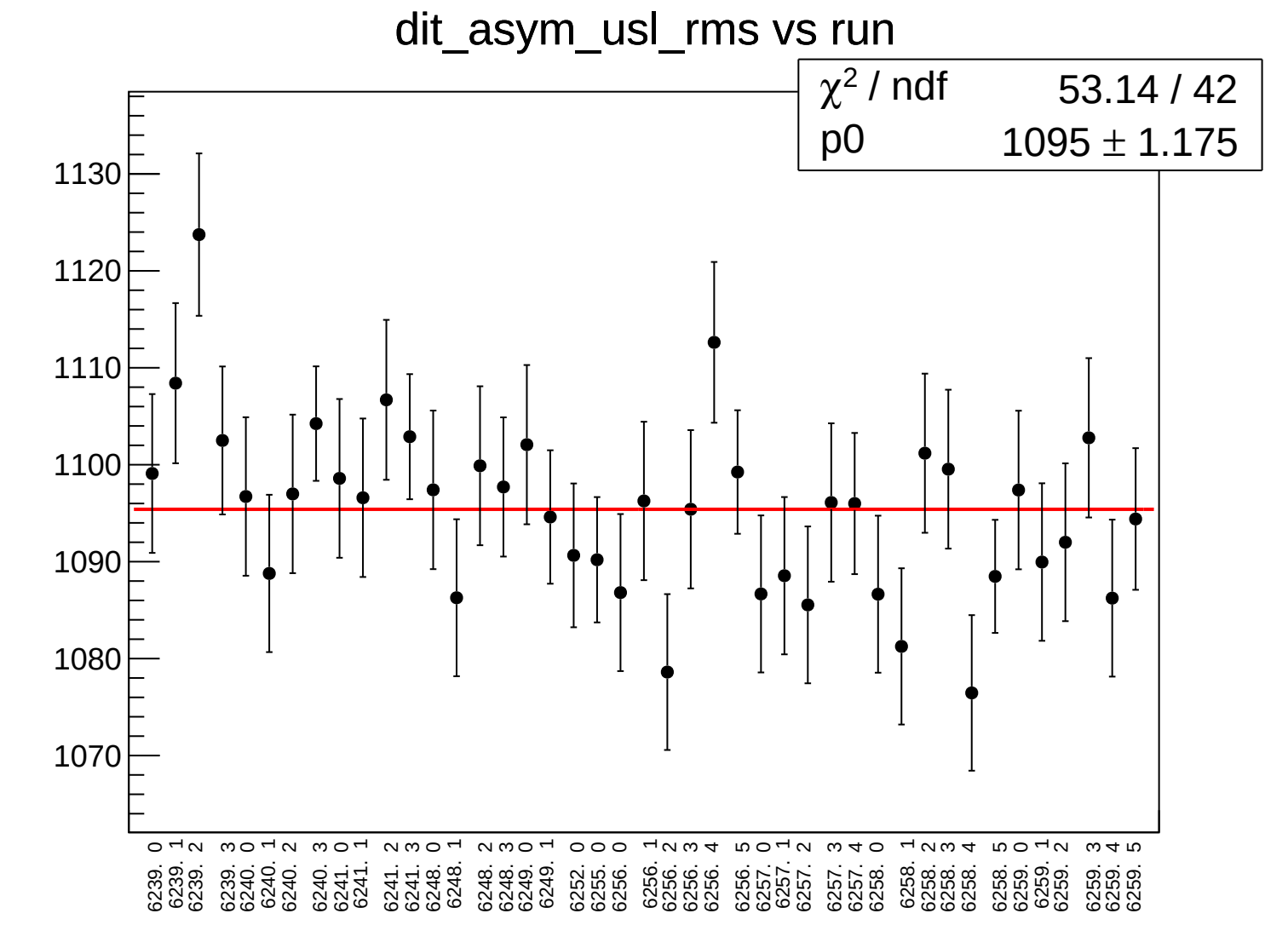

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 52.91 / 42
p0 −1468 ± 1190
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1.141e+04
Std Dev 0
2
1
0
−1
−2

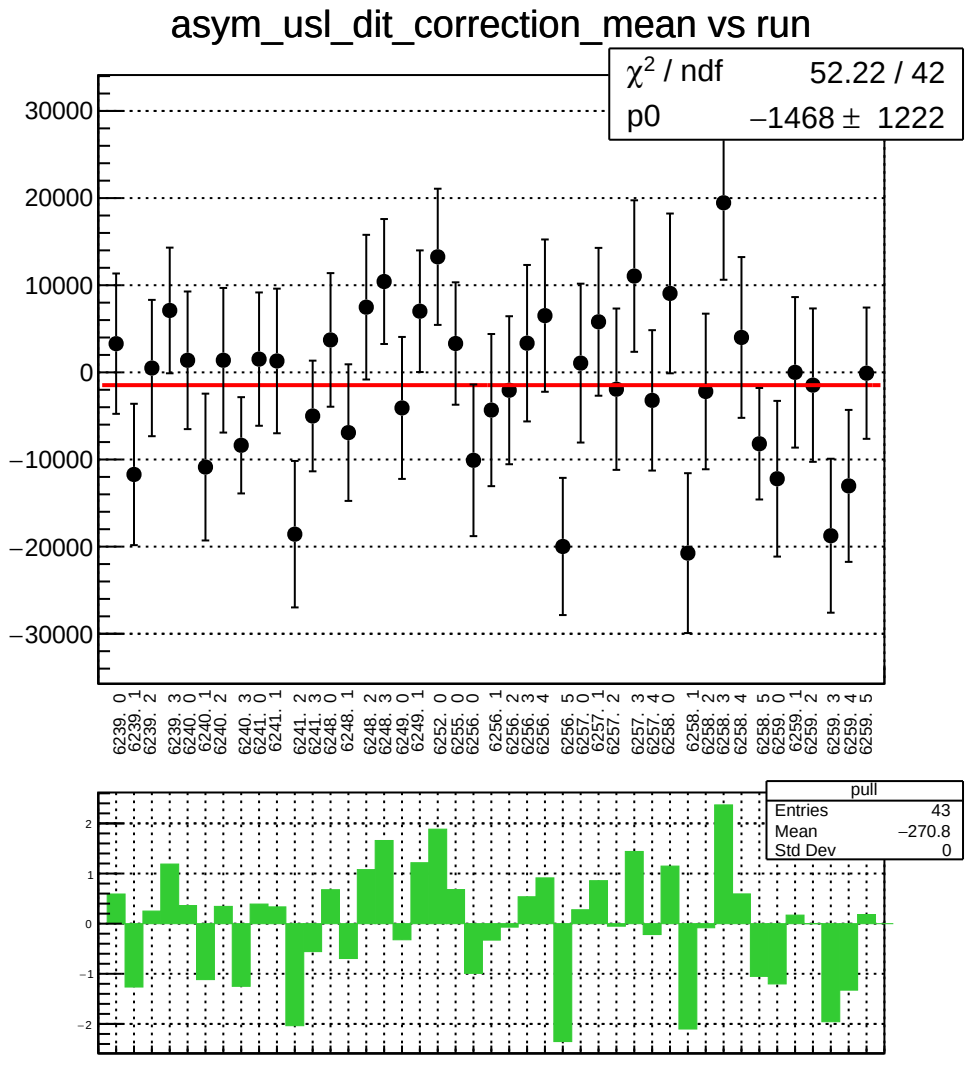

pull1D
Entries 43
Mean 0.0001161
Std Dev 1.109
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

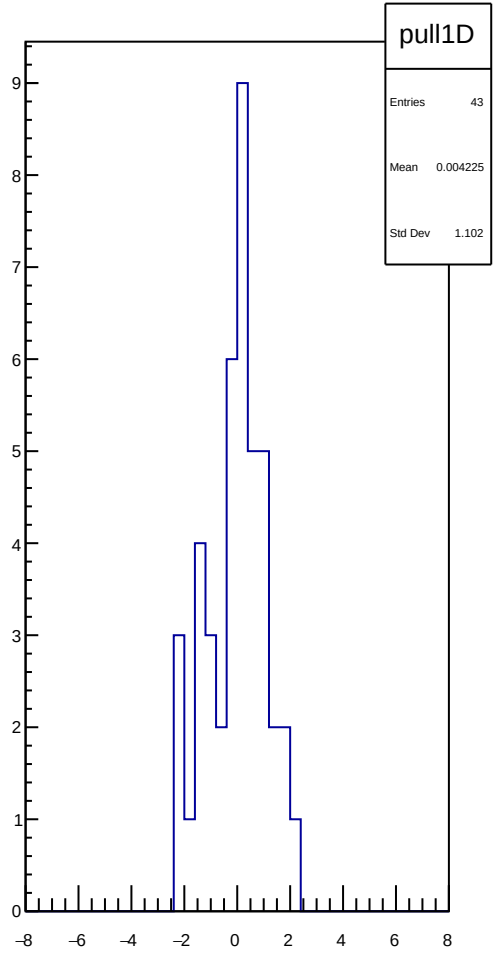

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 4237 / 42
p0 782.8 ± 0.8415
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

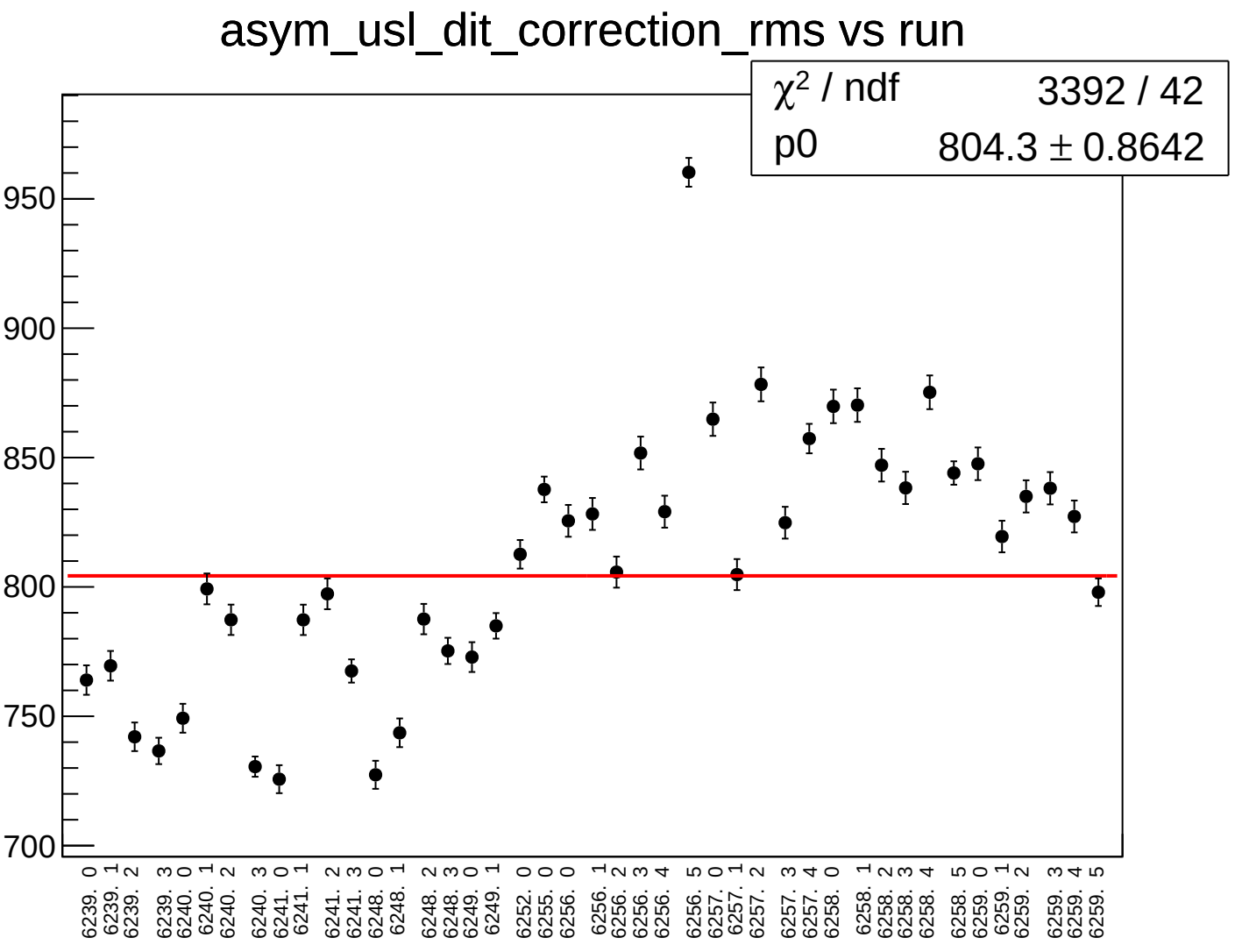

dit_asym_usl_mean vs run
χ² / ndf 21.72 / 42
p0 651 ± 1661
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −510
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

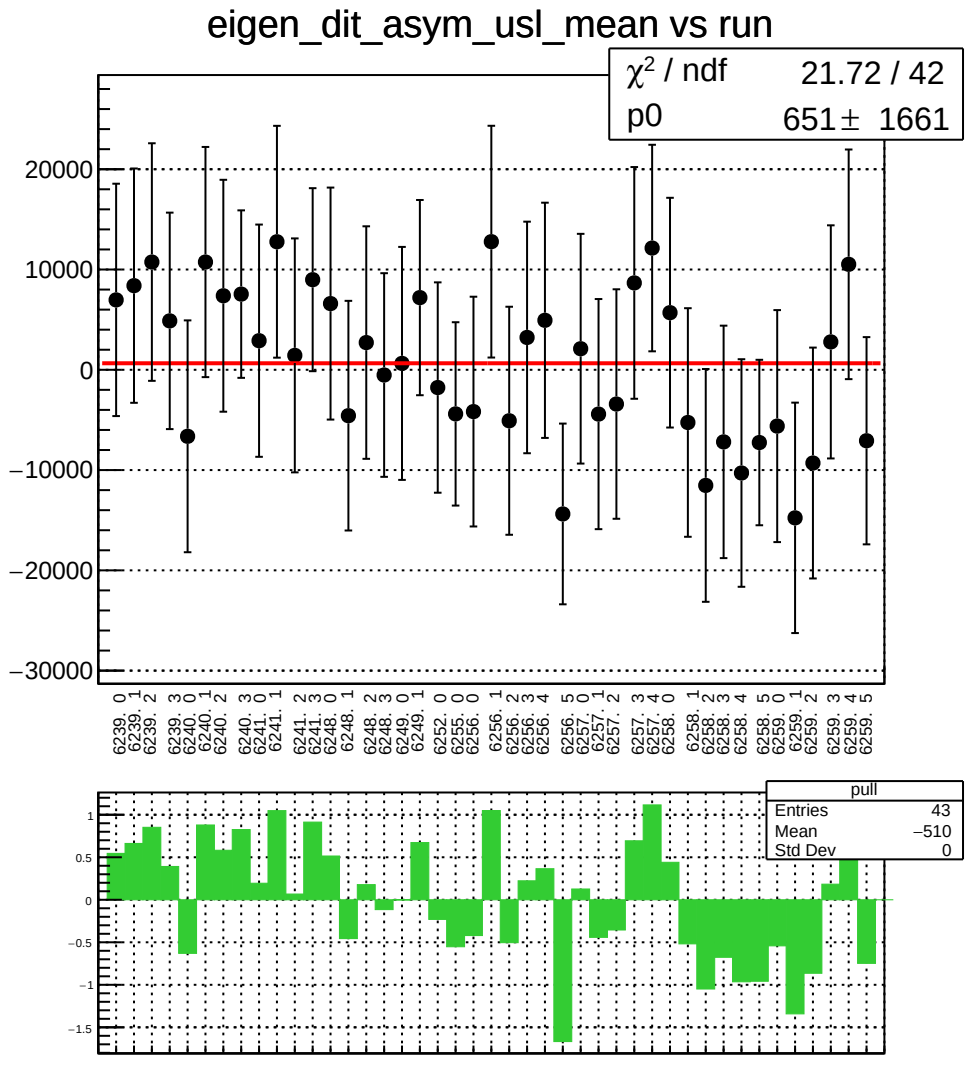

pull1D
Entries 43
Mean 0.008126
Std Dev 0.7106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

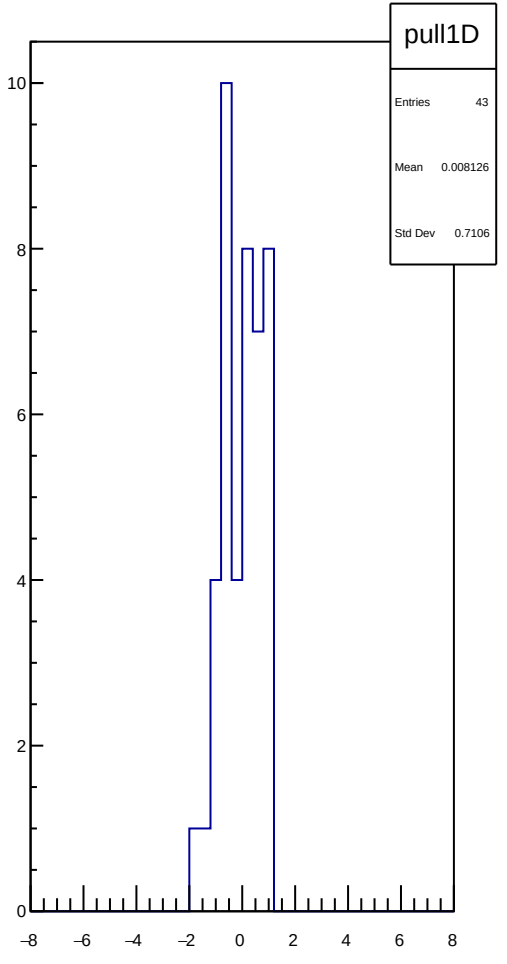

dit_asym_usl_rms vs run
χ² / ndf 53.14 / 42
p0 1095 ± 1.175
1130
1120
1110
1100
1090
1080
1070
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

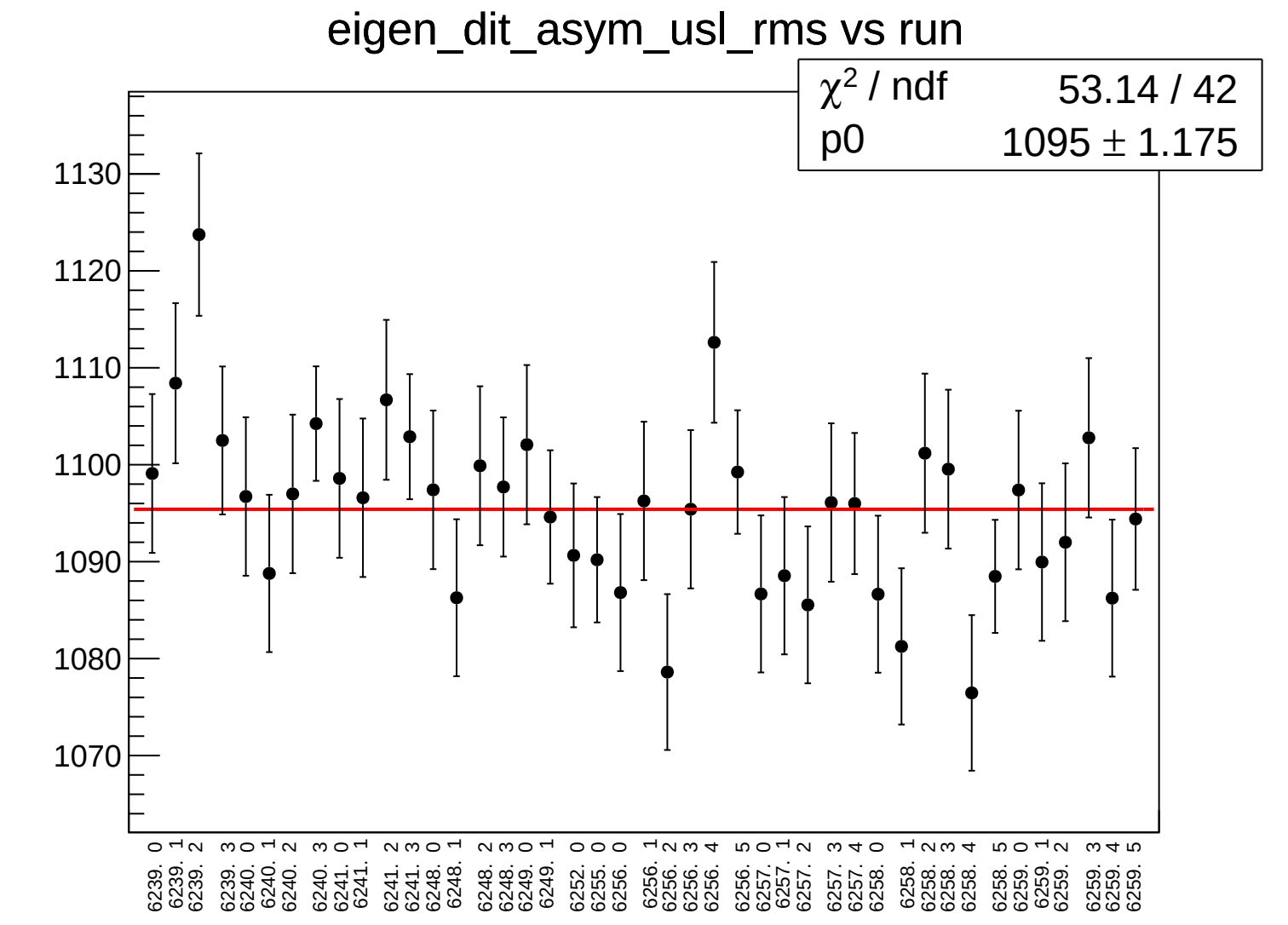

asym_usl_dit_correction_mean vs run
χ² / ndf 52.22 / 42
p0 −1468 ± 1222
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −270.8
Std Dev 0
2
1
0
−1
−2

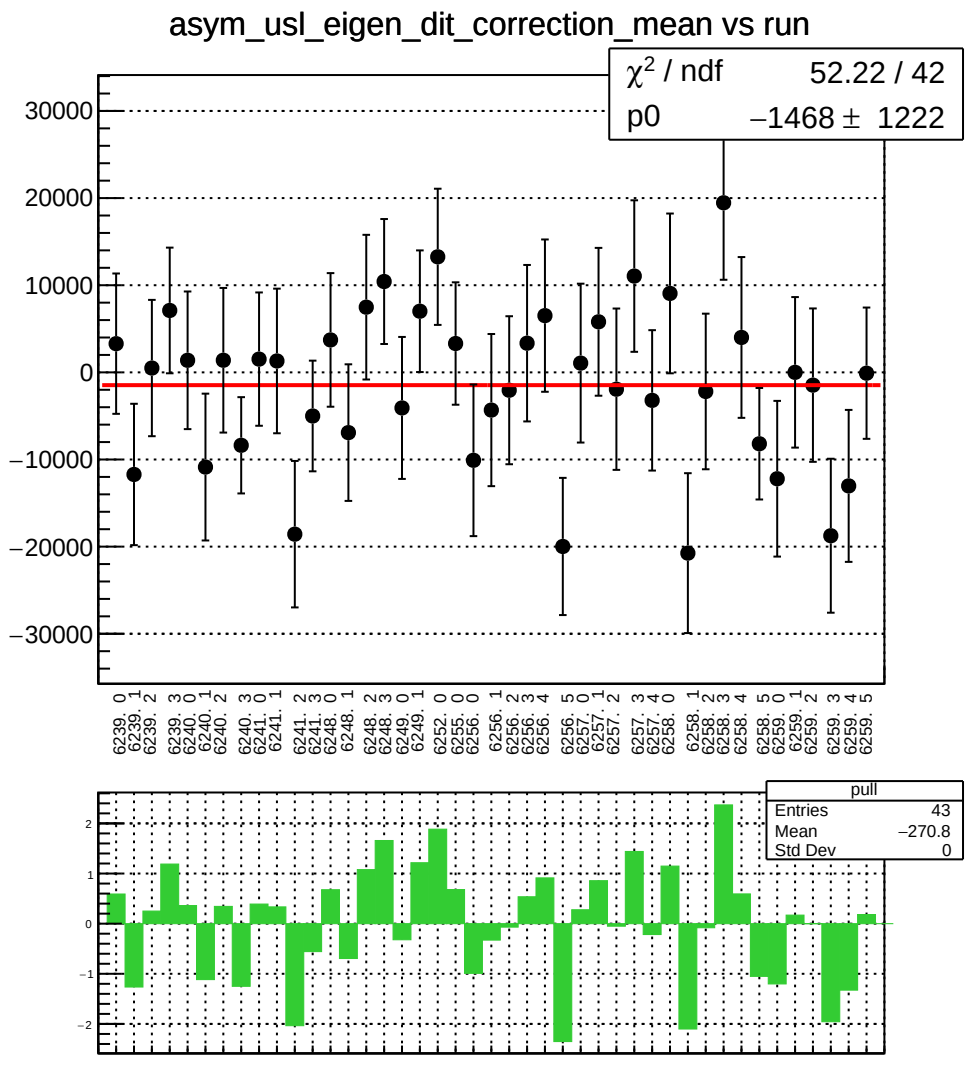

pull1D
Entries 43
Mean 0.004225
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

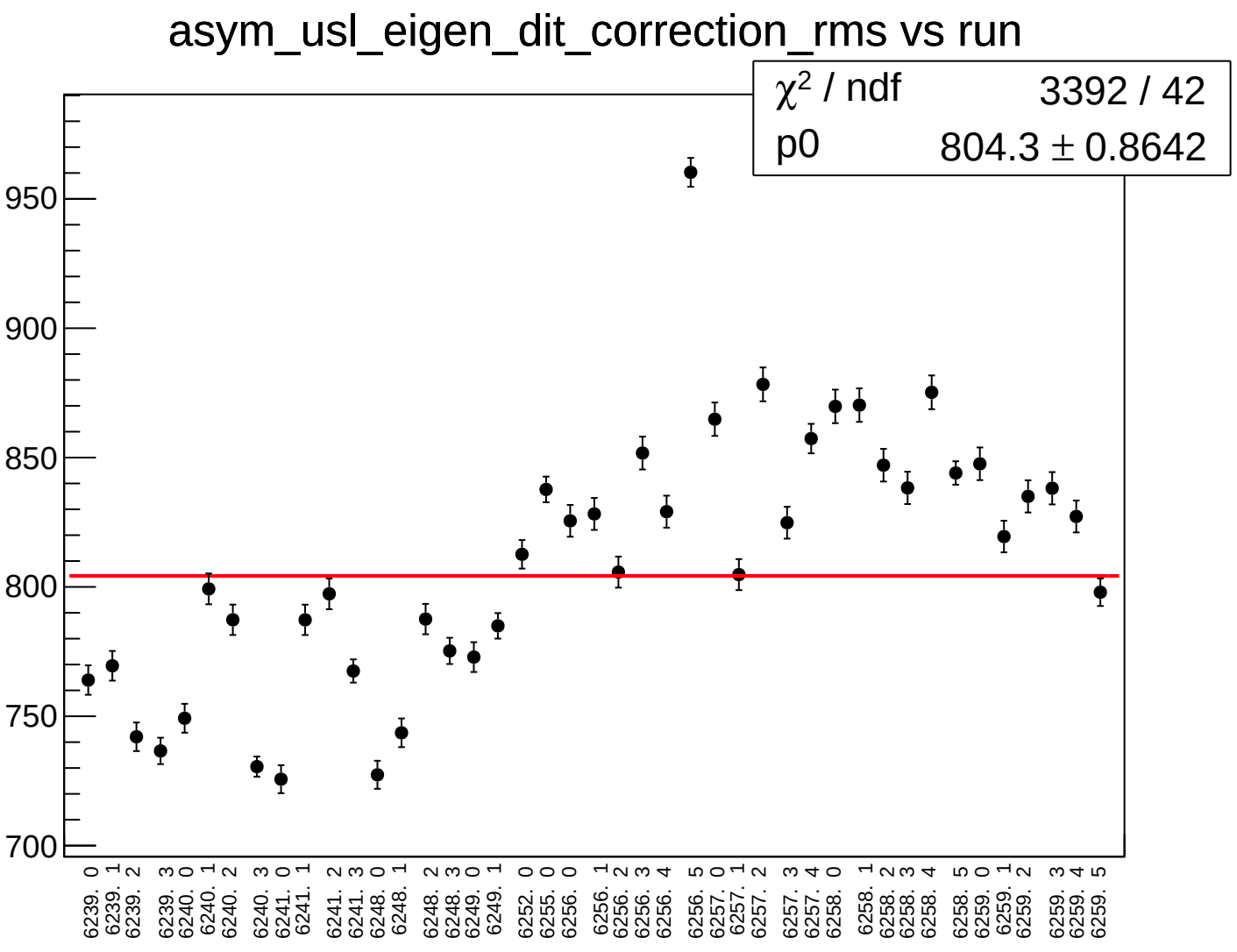

asym_usl_dit_correction_rms vs run
χ² / ndf 3392 / 42
p0 804.3 ± 0.8642
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

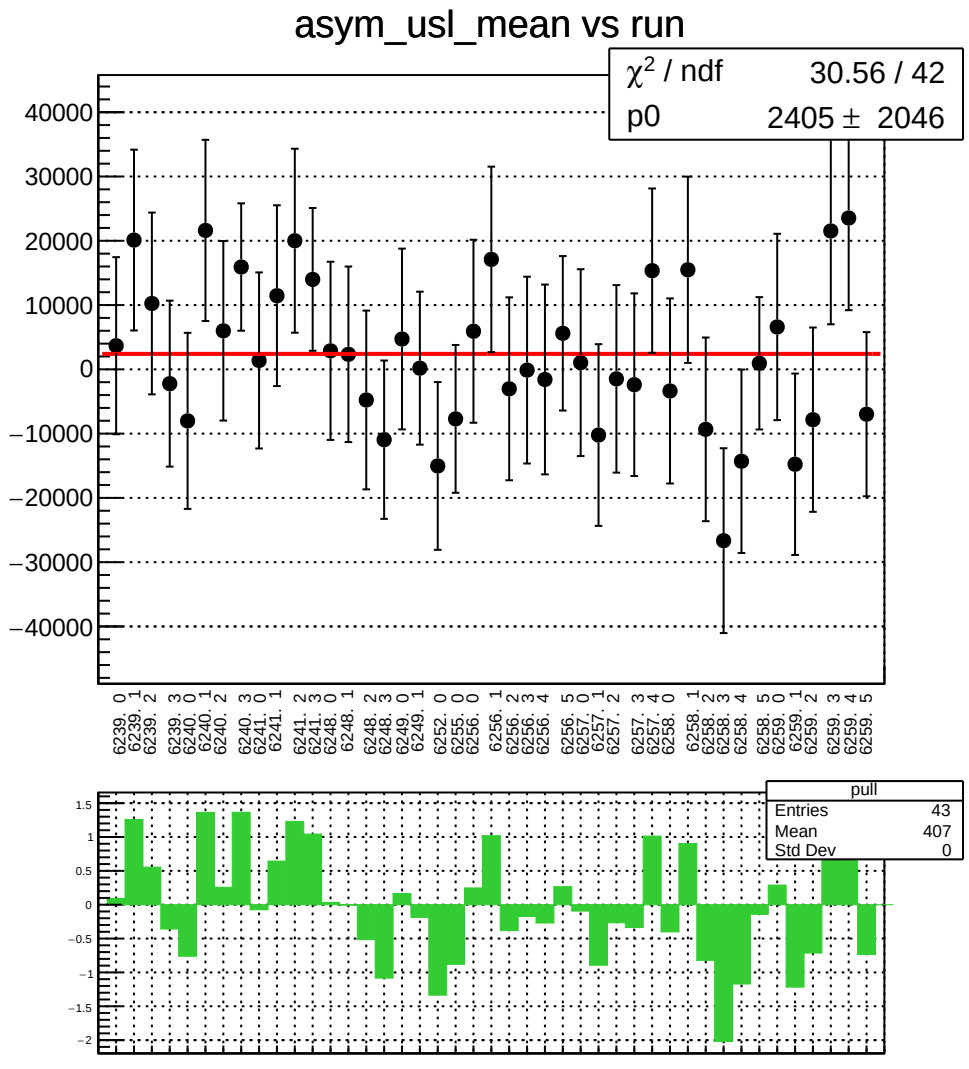

eigen_dit_asym_usl_mean vs run
χ² / ndf 21.72 / 42
p0 651 ± 1661
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −510
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

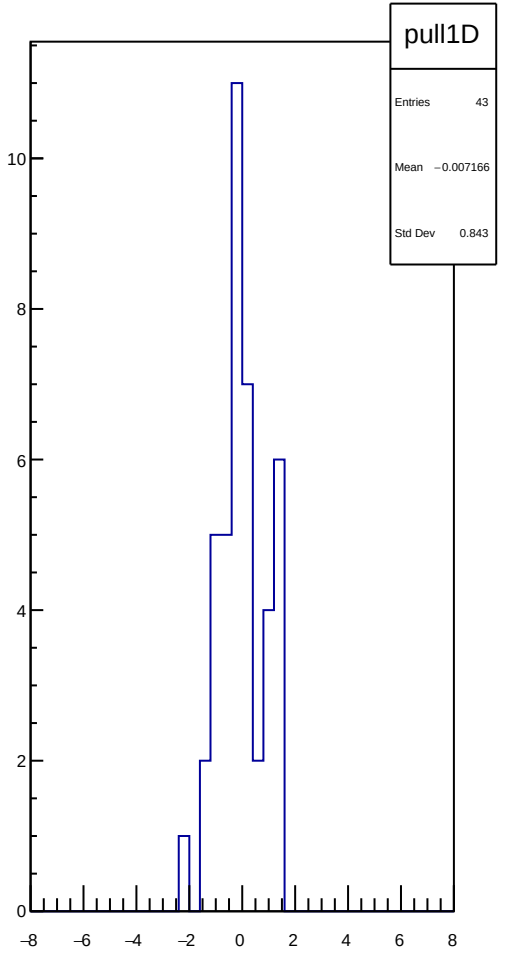

pull1D
Entries 43
Mean 0.008126
Std Dev 0.7106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

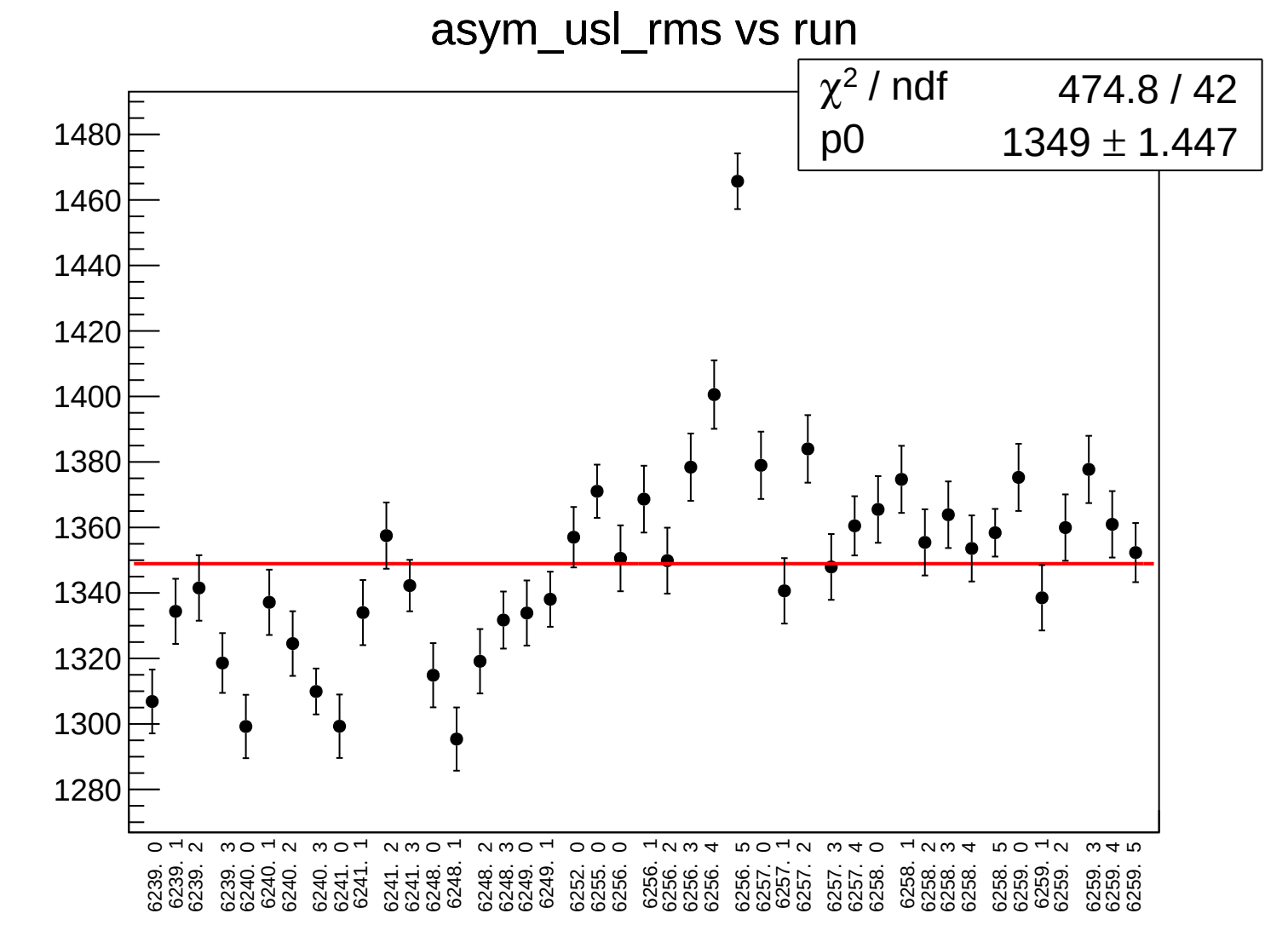

eigen_dit_asym_usl_rms vs run
χ² / ndf 53.14 / 42
p0 1095 ± 1.175
1130
1120
1110
1100
1090
1080
1070
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

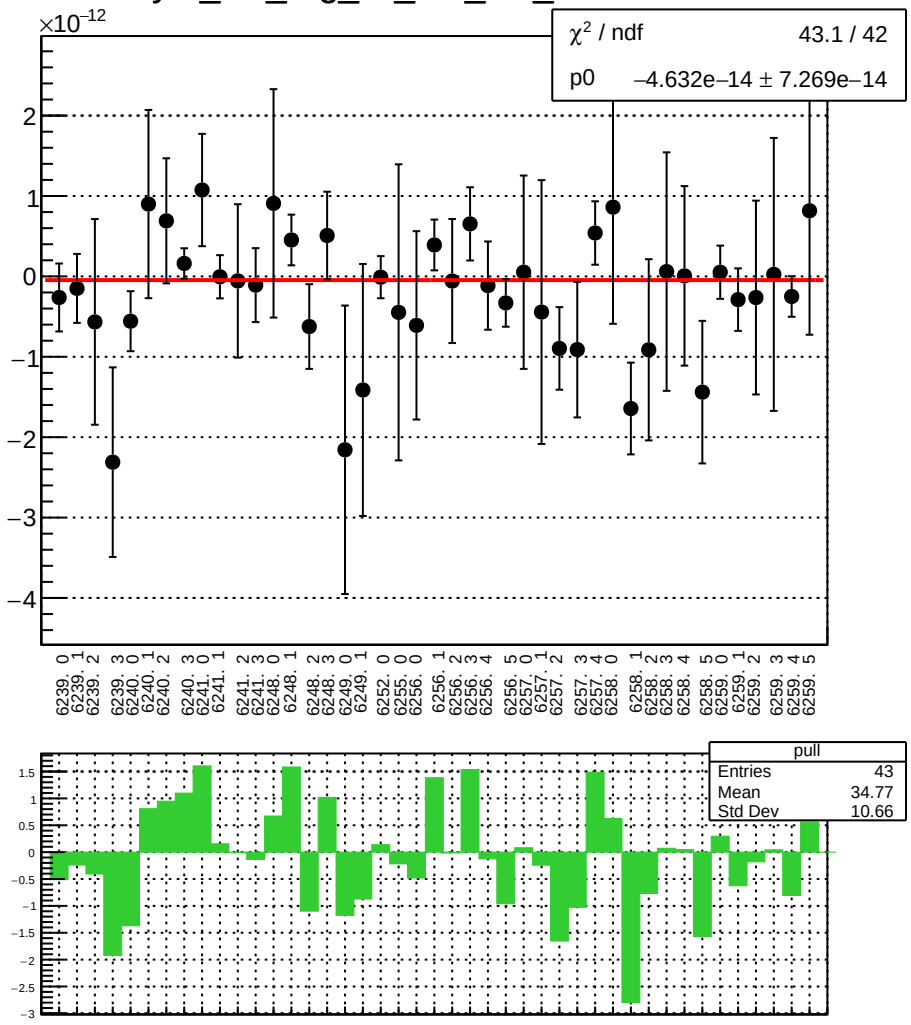

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 52.22 / 42
p0 −1468 ± 1222
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −270.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004225
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

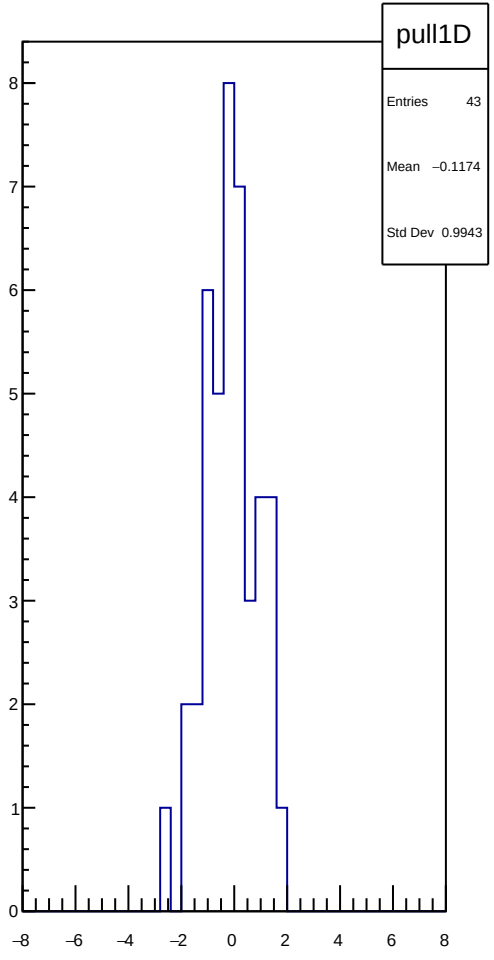

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 3392 / 42
p0 804.3 ± 0.8642
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

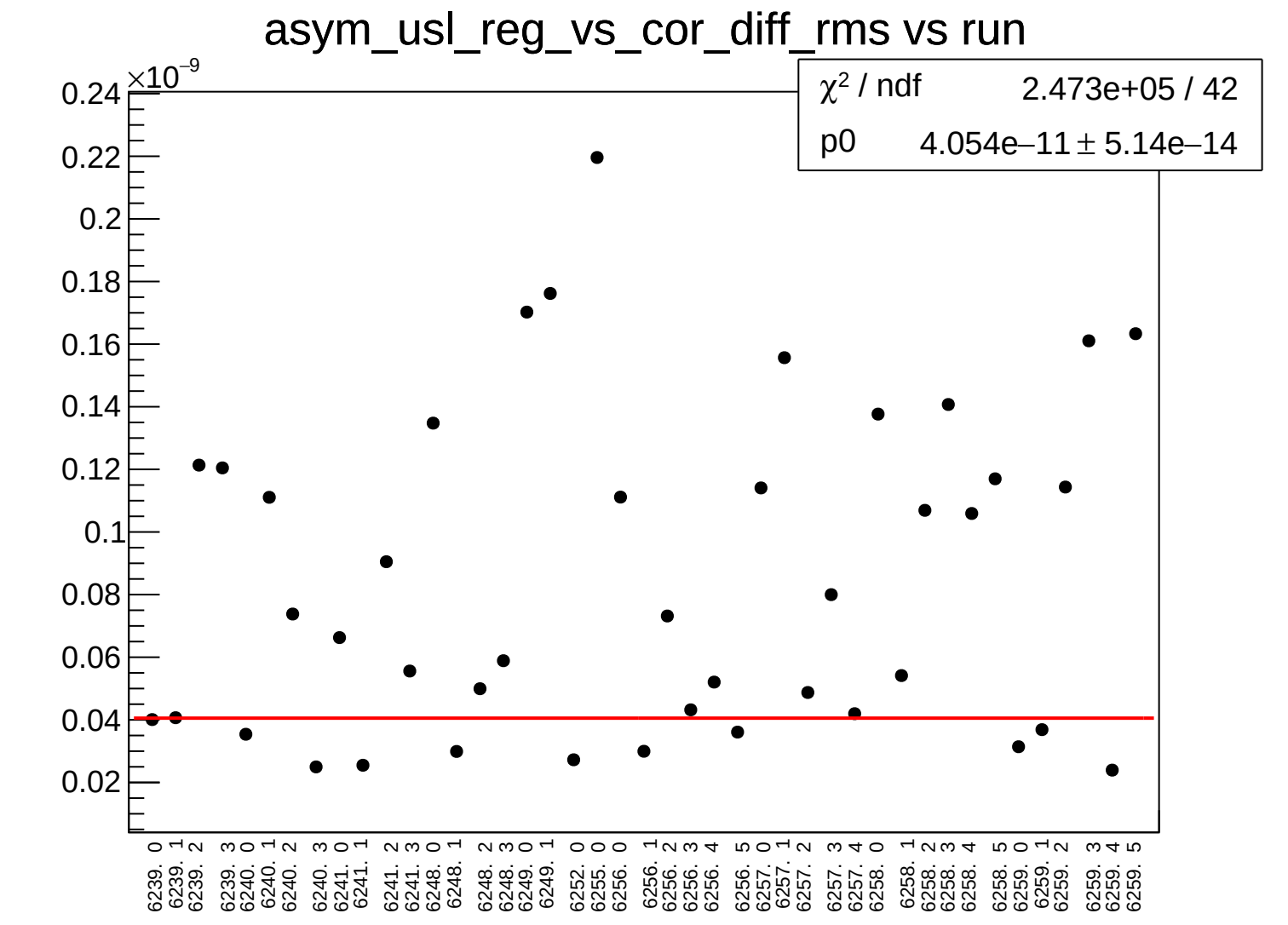

asym_usl_mean vs run
χ² / ndf 30.56 / 42
p0 2405 ± 2046
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 407
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

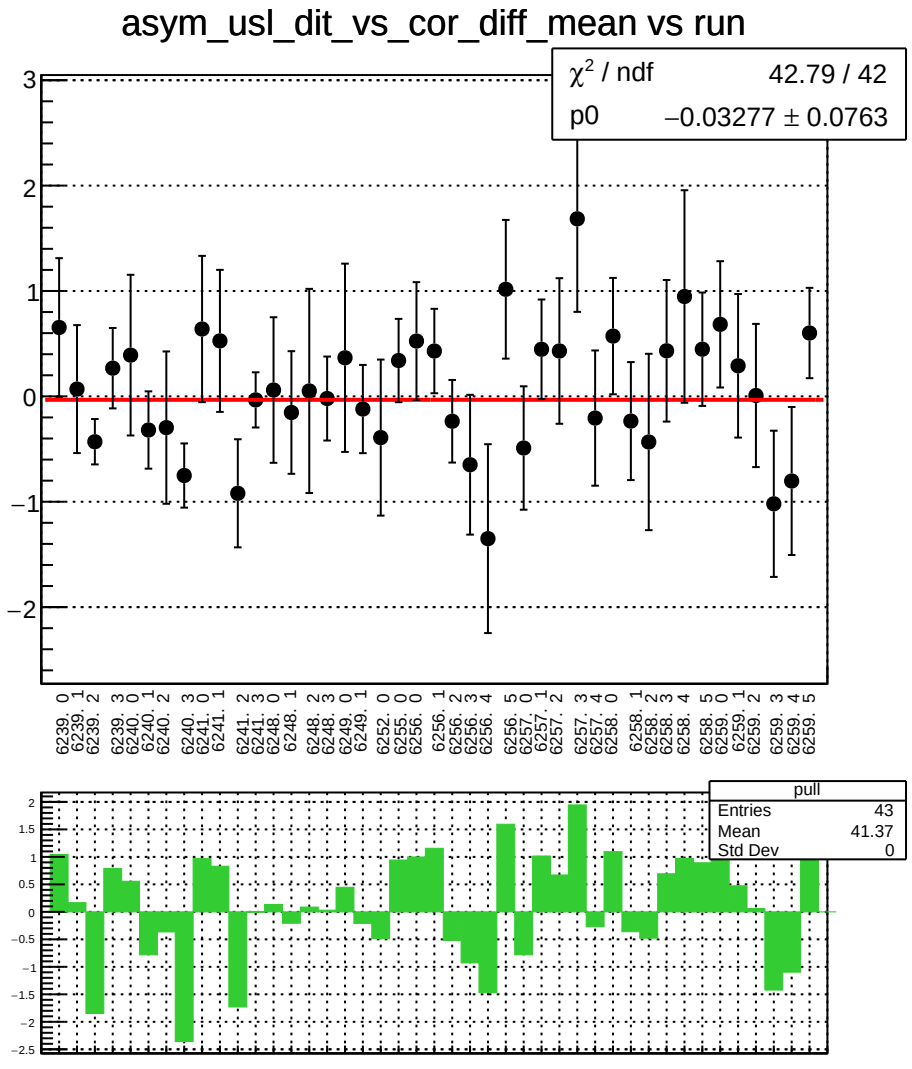

pull1D
Entries 43
Mean −0.007166
Std Dev 0.843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

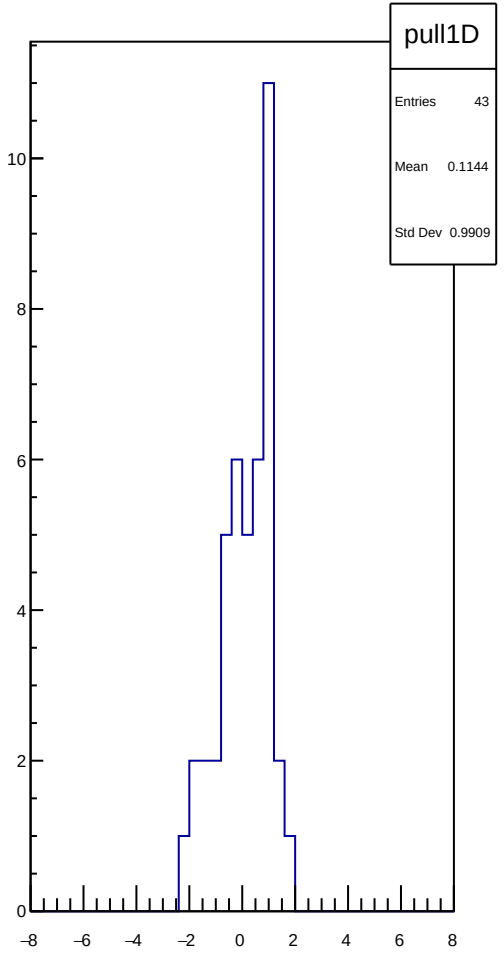

asym_usl_rms vs run
χ² / ndf 474.8 / 42
p0 1349 ± 1.447
1480
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

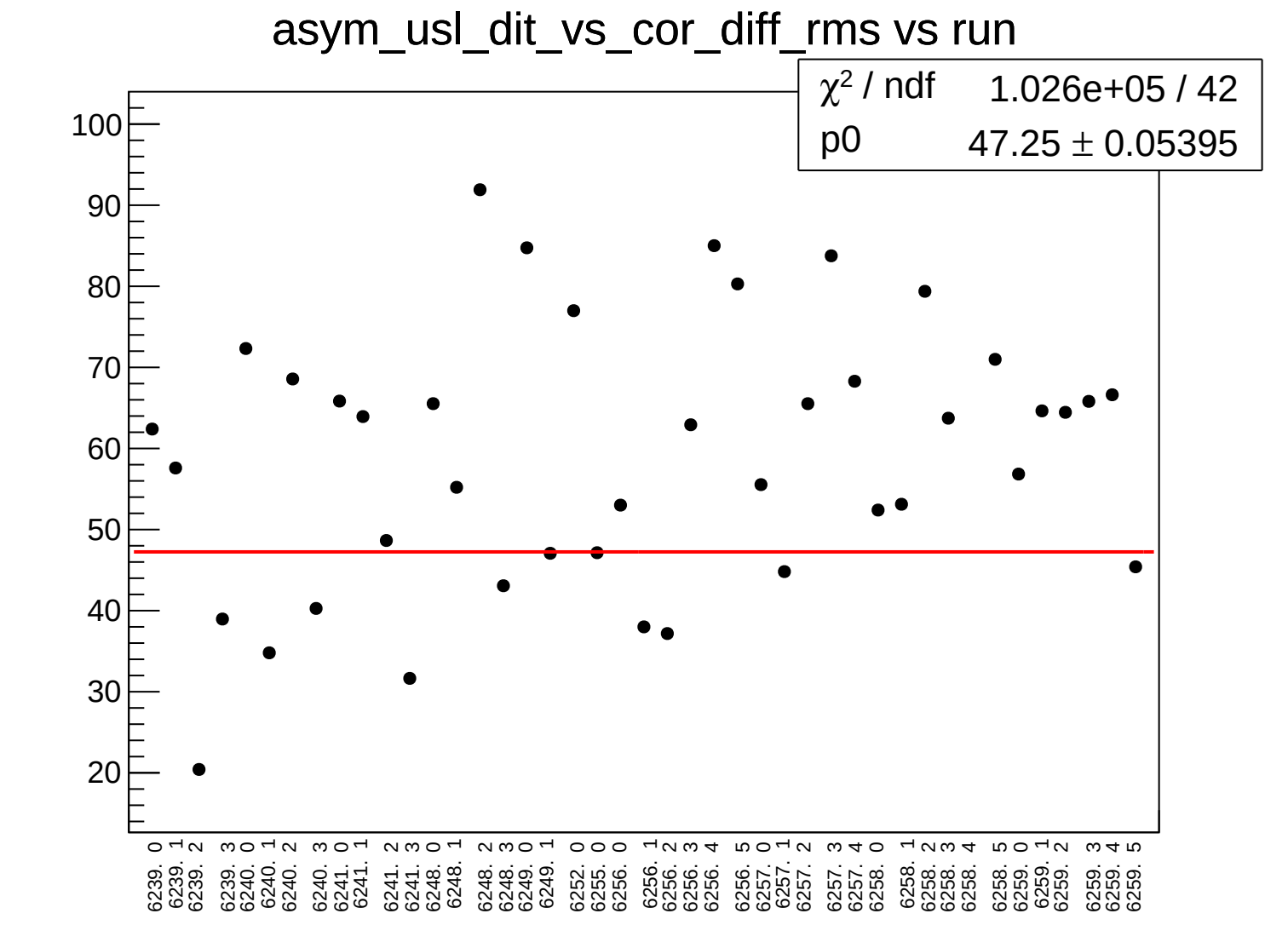

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.1 / 42
p0 −4.632e−14 ± 7.269e−14
pull
Entries 43
Mean 34.77
Std Dev 10.66

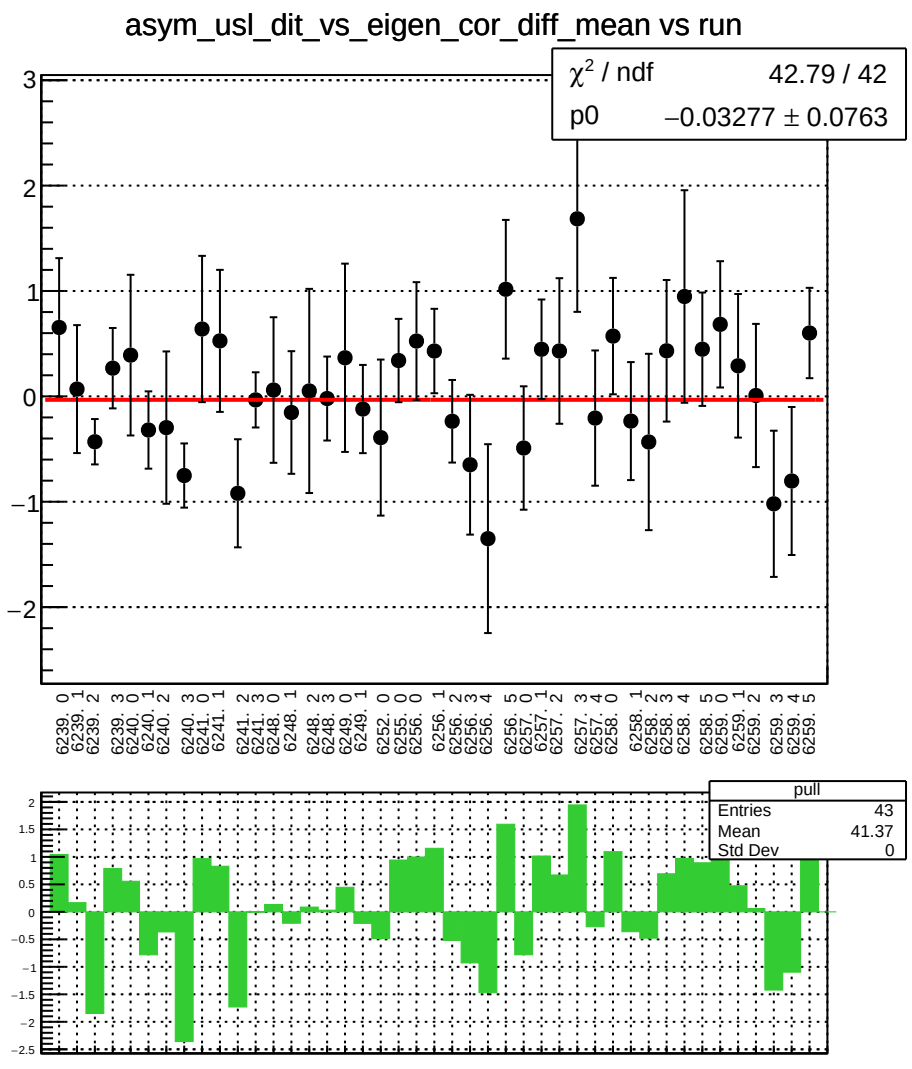

pull1D
Entries 43
Mean −0.1174
Std Dev 0.9943

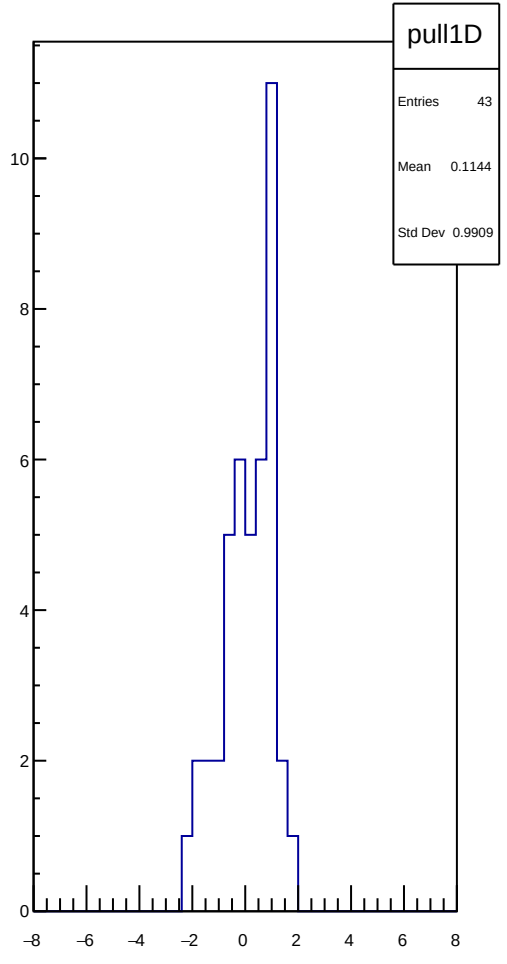

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.473e+05 / 42
p0 4.054e−11 ± 5.14e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

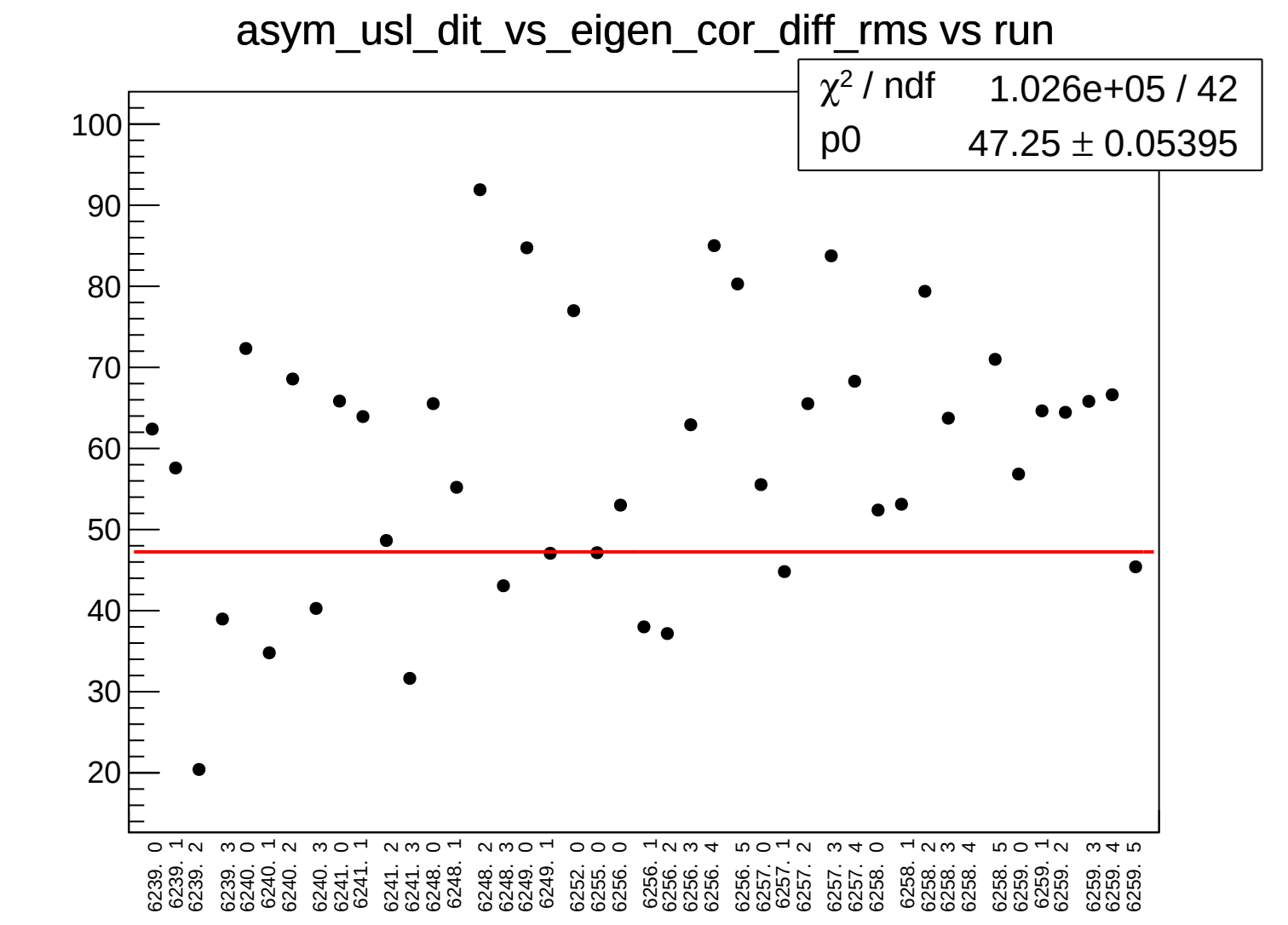

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 42.79 / 42
p0 −0.03277 ± 0.0763
pull
Entries 43
Mean 41.37
Std Dev 0

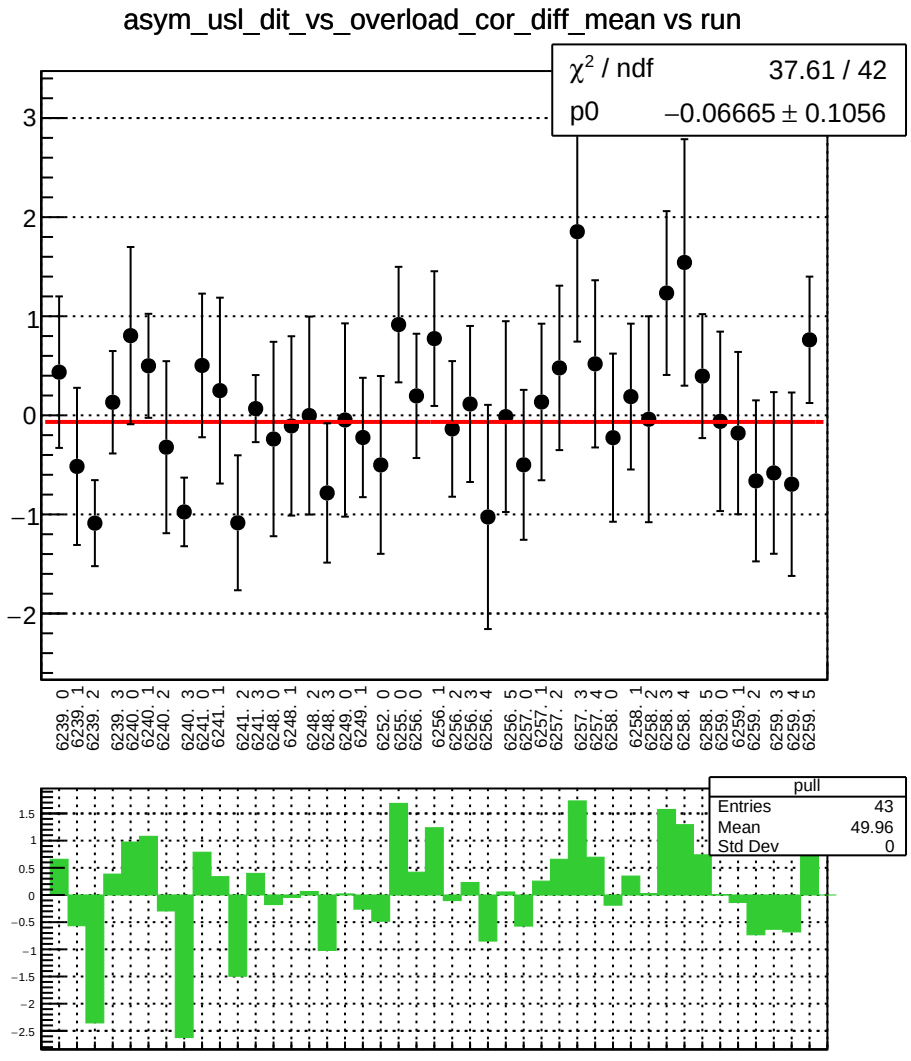

pull1D
Entries 43
Mean 0.1144
Std Dev 0.9909

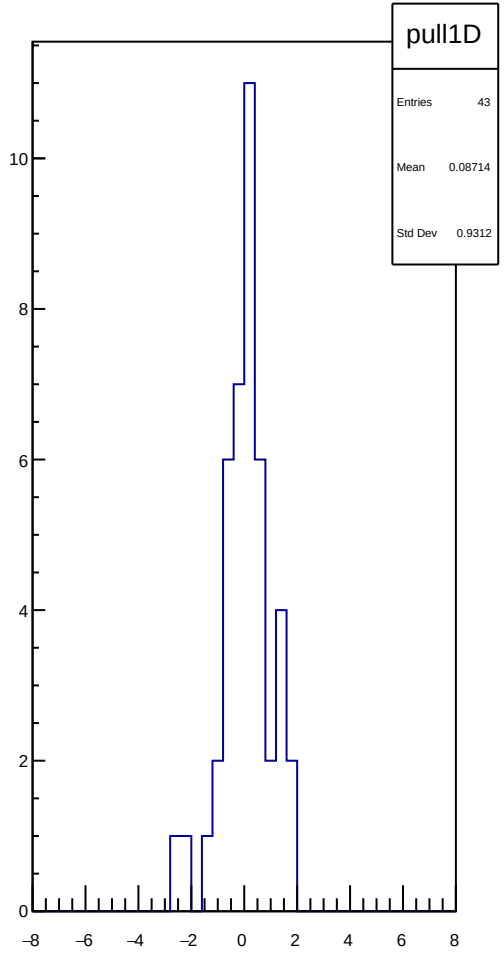

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.026e+05 / 42
p0 47.25 ± 0.05395
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

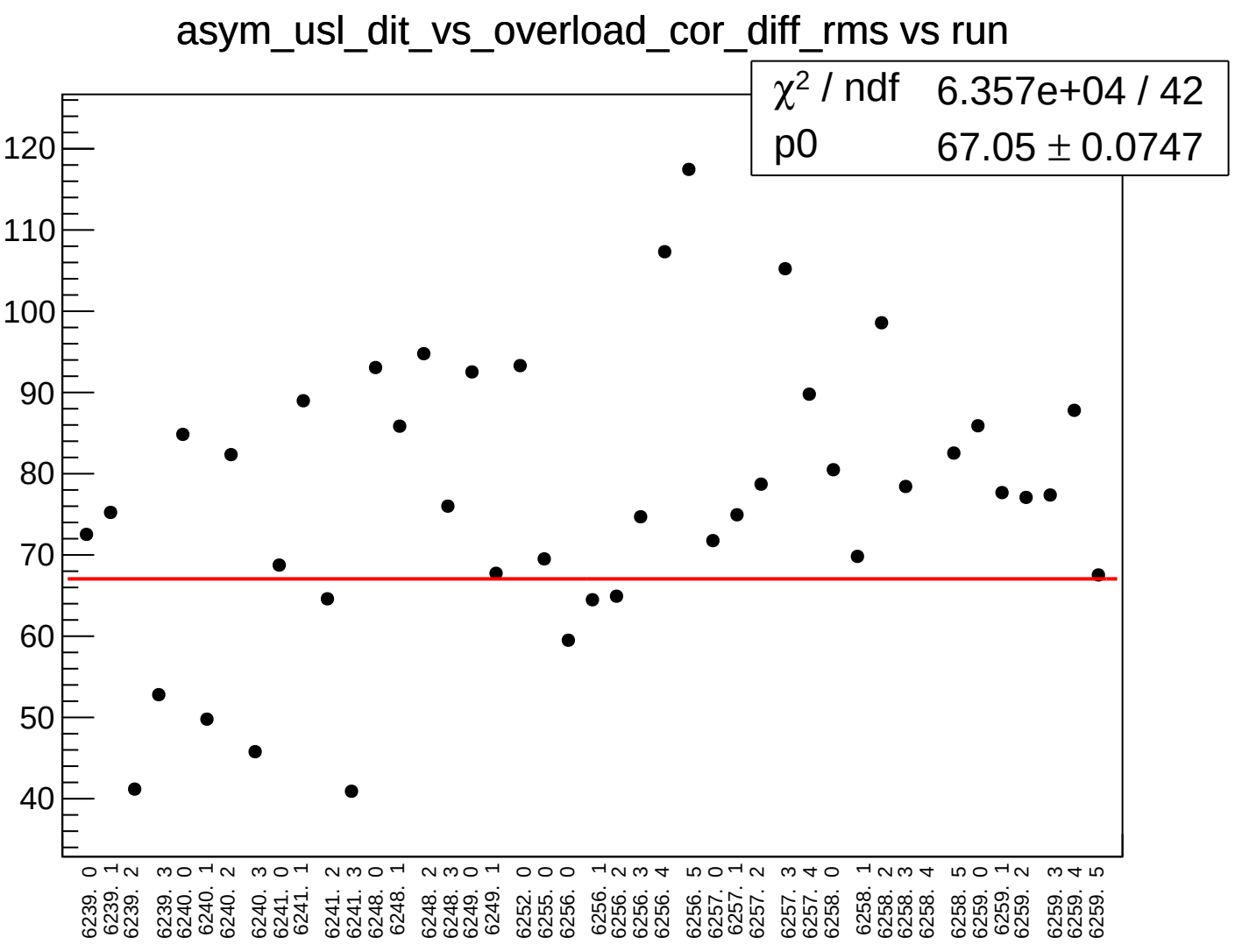

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.79 / 42
p0 −0.03277 ± 0.0763
pull
Entries 43
Mean 41.37
Std Dev 0

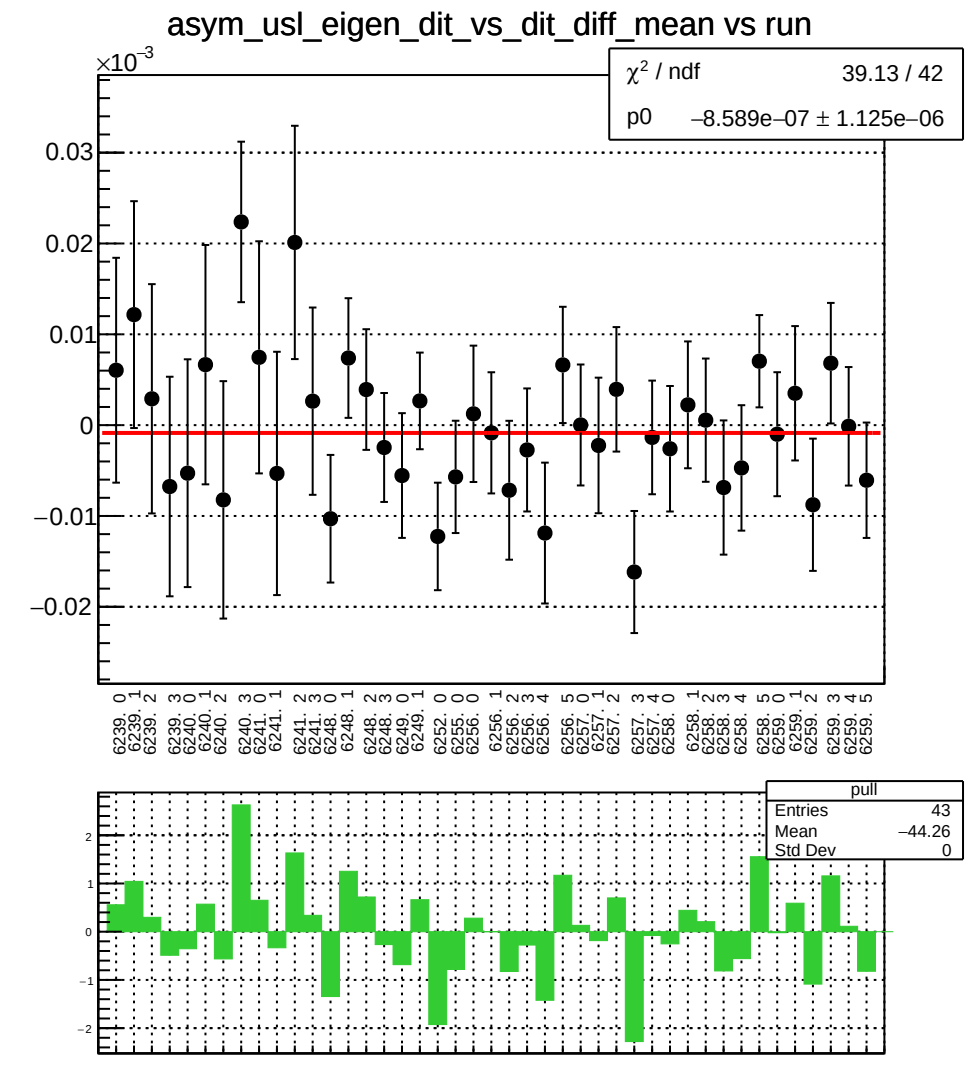

pull1D
Entries 43
Mean 0.1144
Std Dev 0.9909

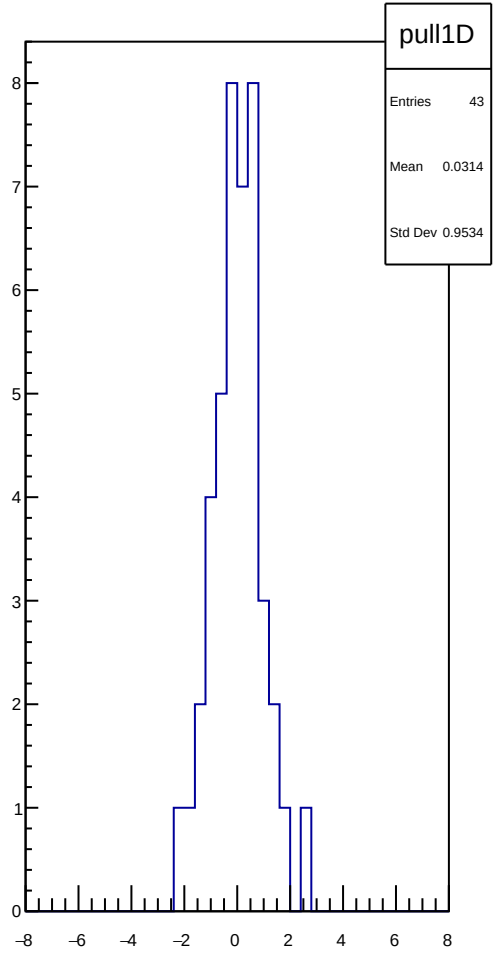

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.026e+05 / 42
p0 47.25 ± 0.05395
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

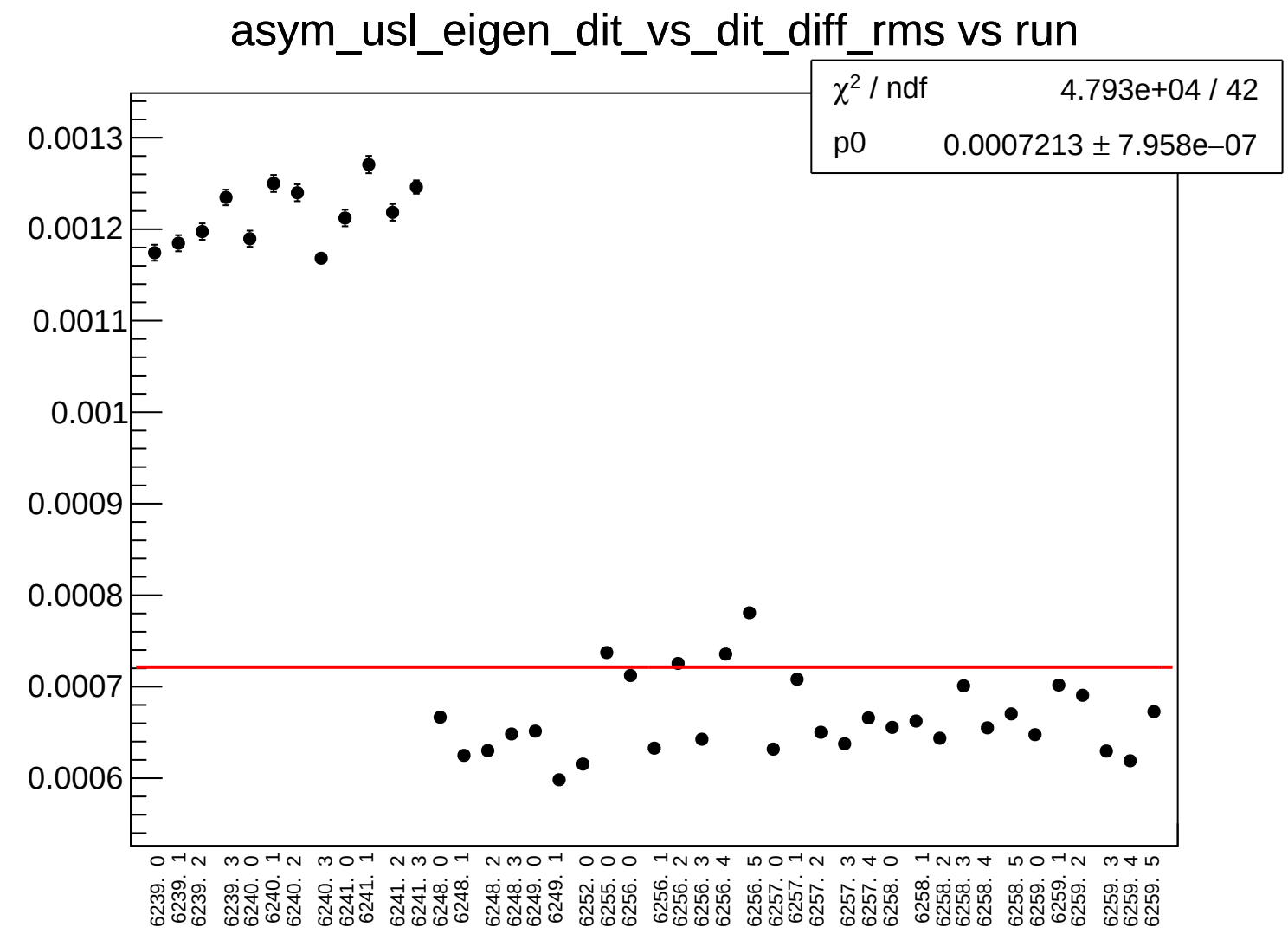

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 37.61 / 42
p0 −0.06665 ± 0.1056
pull
Entries 43
Mean 49.96
Std Dev 0

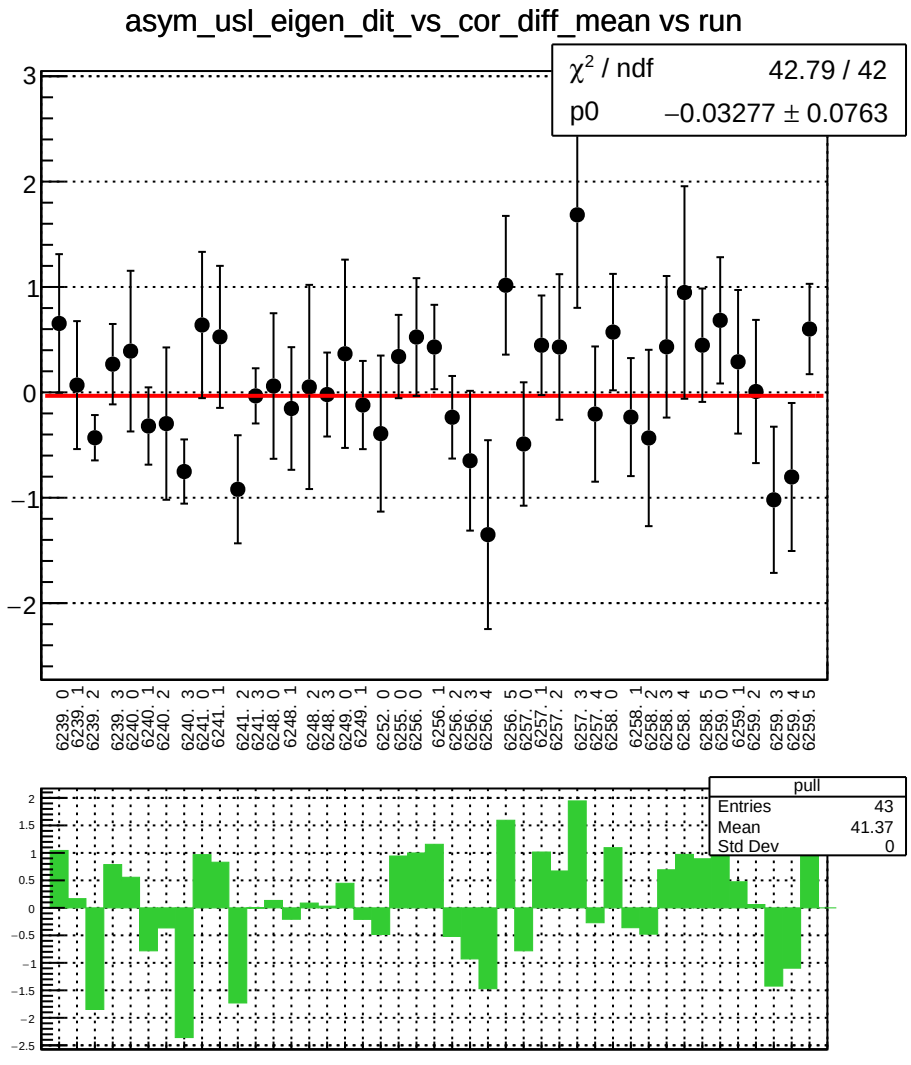

pull1D
Entries 43
Mean 0.08714
Std Dev 0.9312

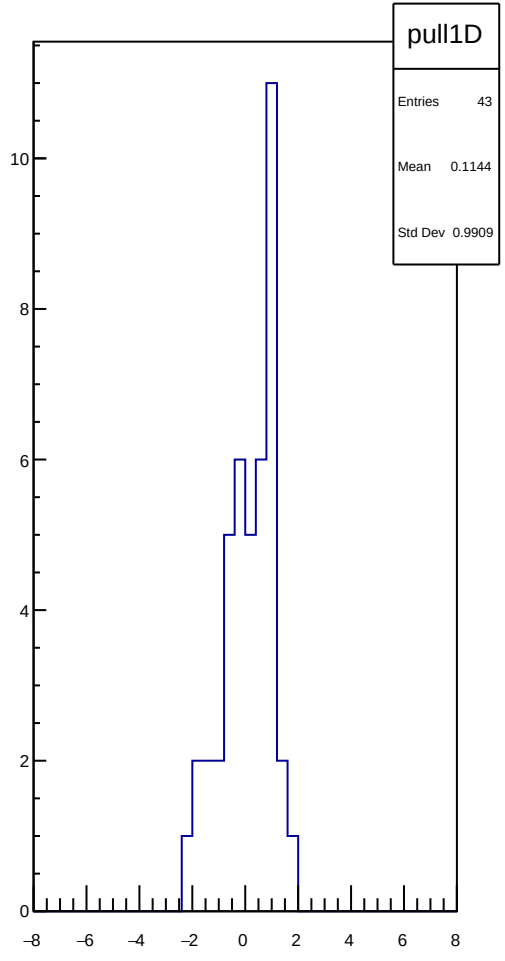

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 6.357e+04 / 42
p0 67.05 ± 0.0747
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

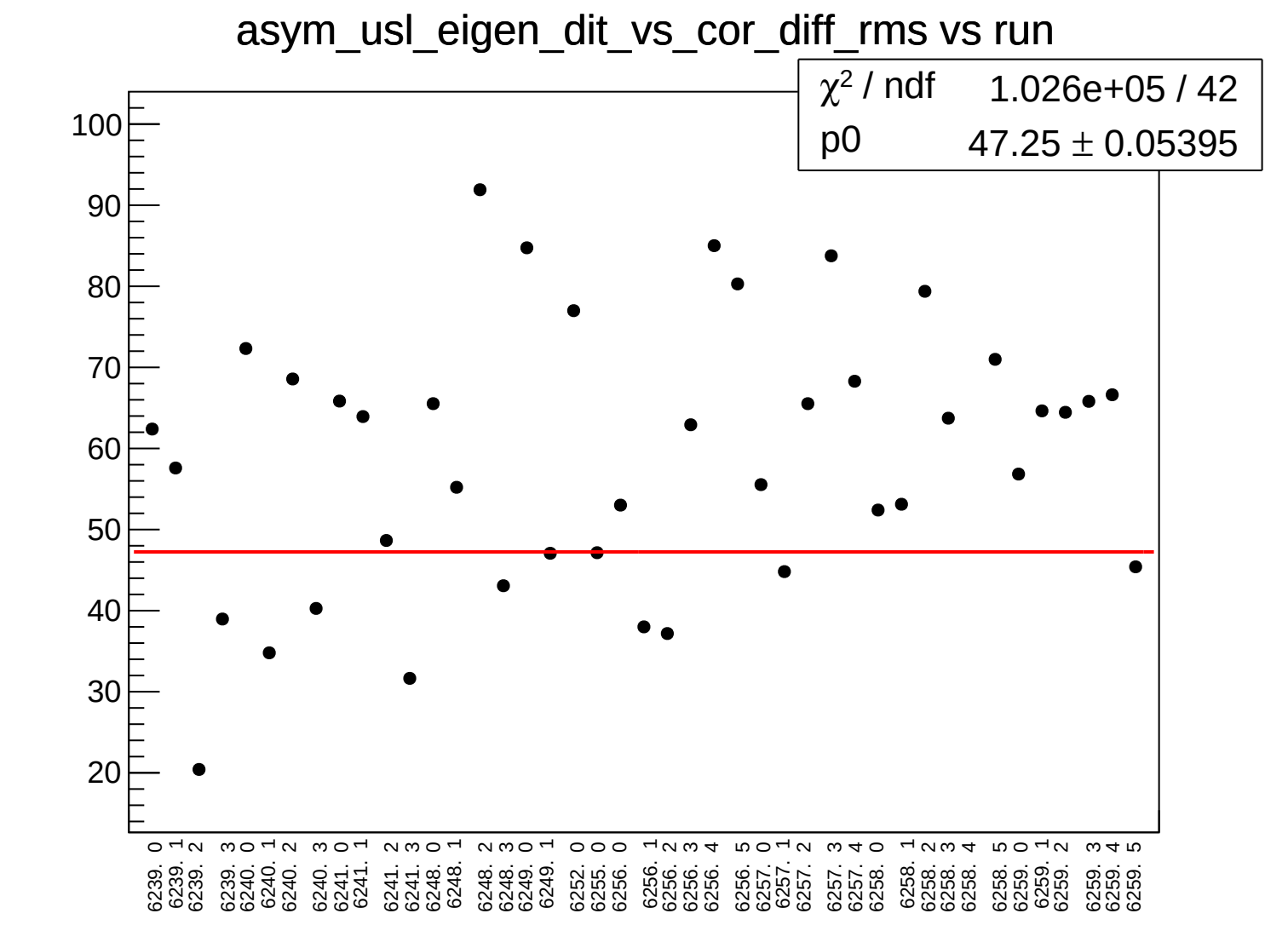

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.13 / 42
p0 −8.589e−07 ± 1.125e−06
0.03
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −44.26
Std Dev 0
2
1
0
−1
−2

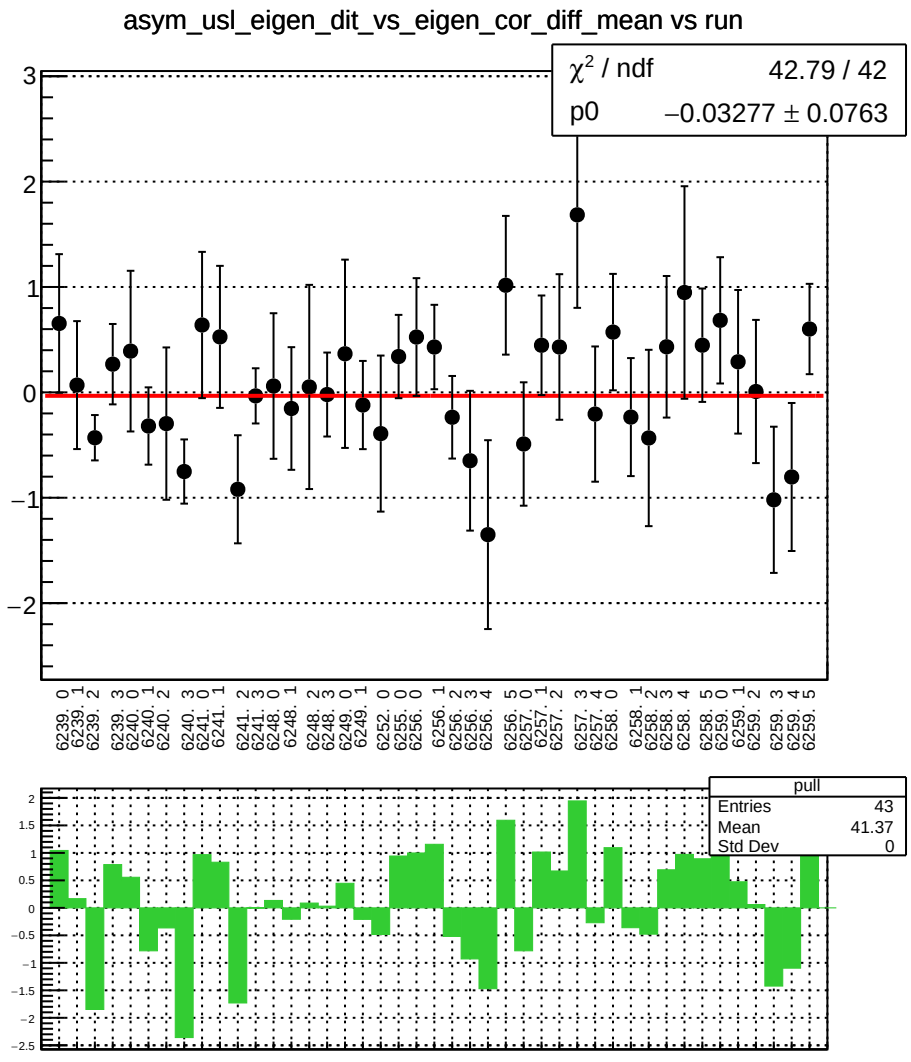

pull1D
Entries 43
Mean 0.0314
Std Dev 0.9534
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

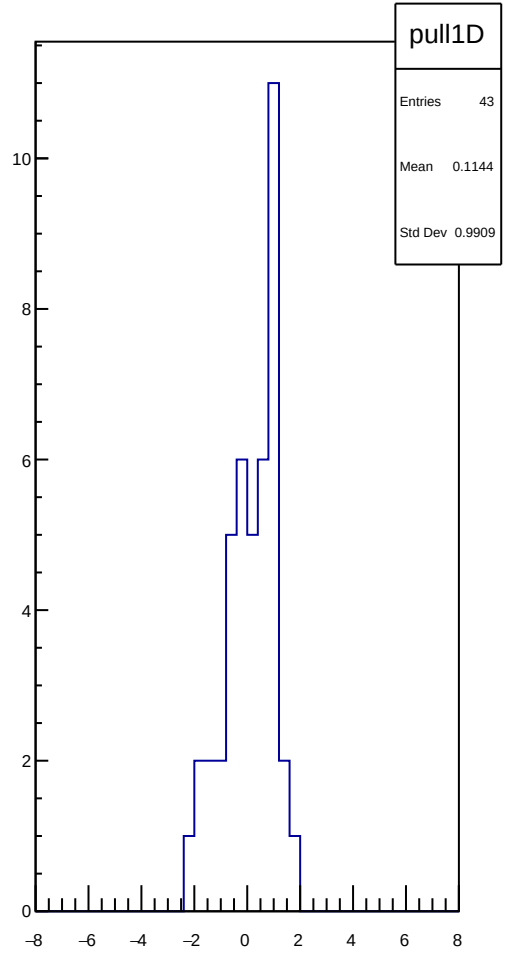

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.793e+04 / 42
p0 0.0007213 ± 7.958e−07
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

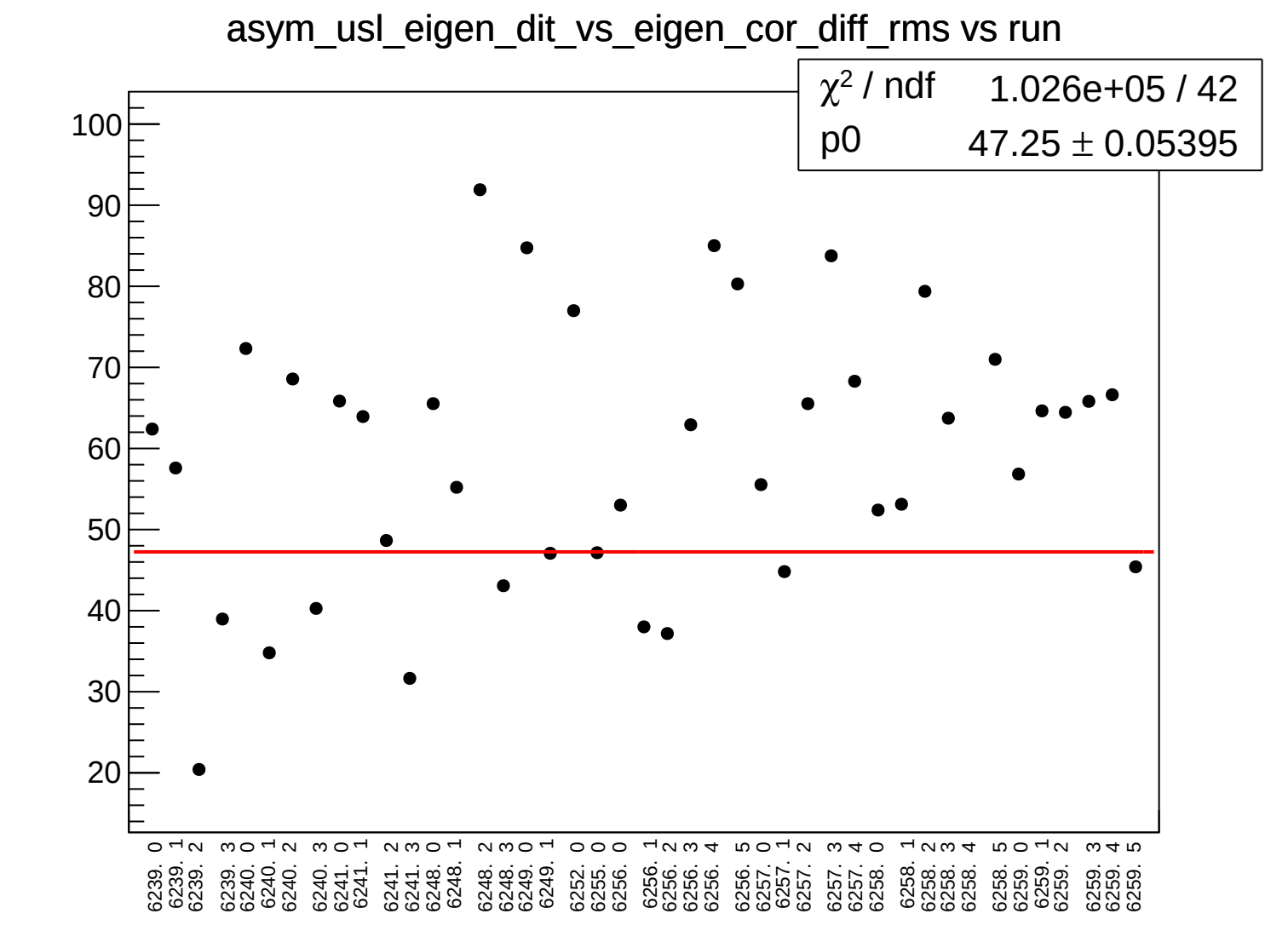

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.79 / 42
p0 −0.03277 ± 0.0763
pull
Entries 43
Mean 41.37
Std Dev 0

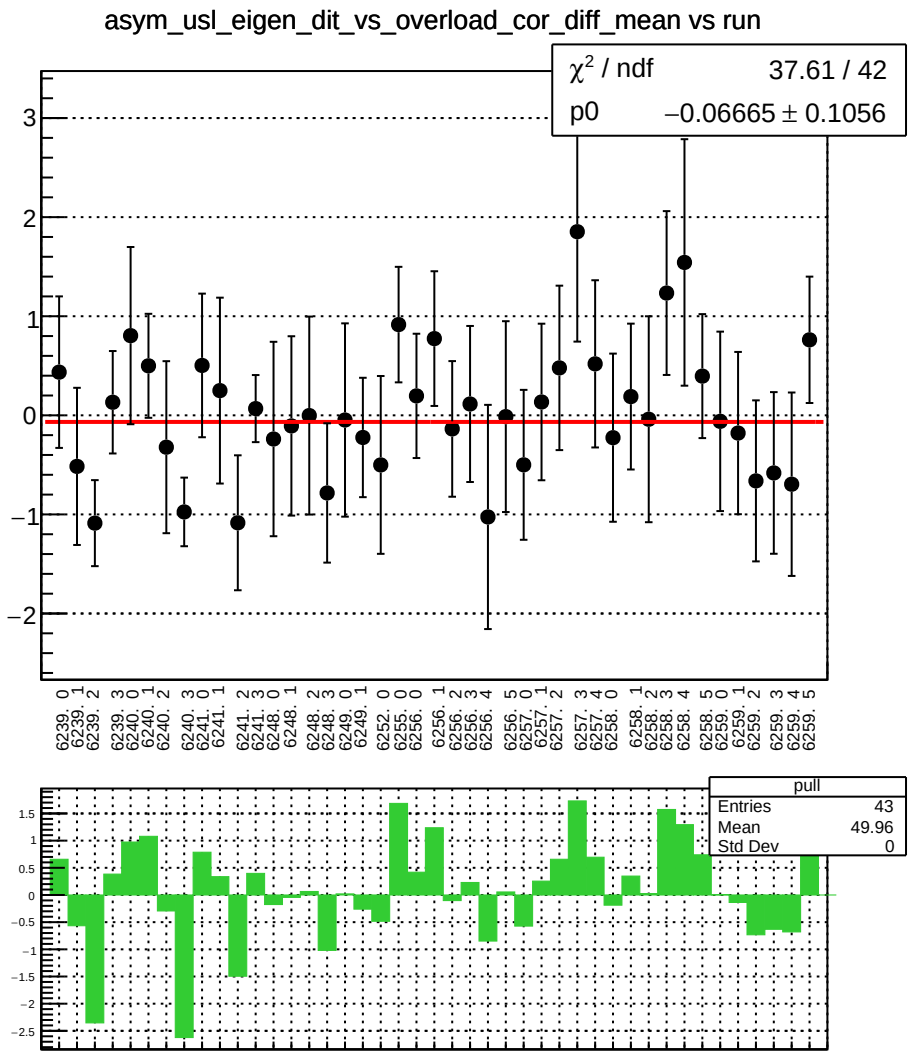

pull1D
Entries 43
Mean 0.1144
Std Dev 0.9909

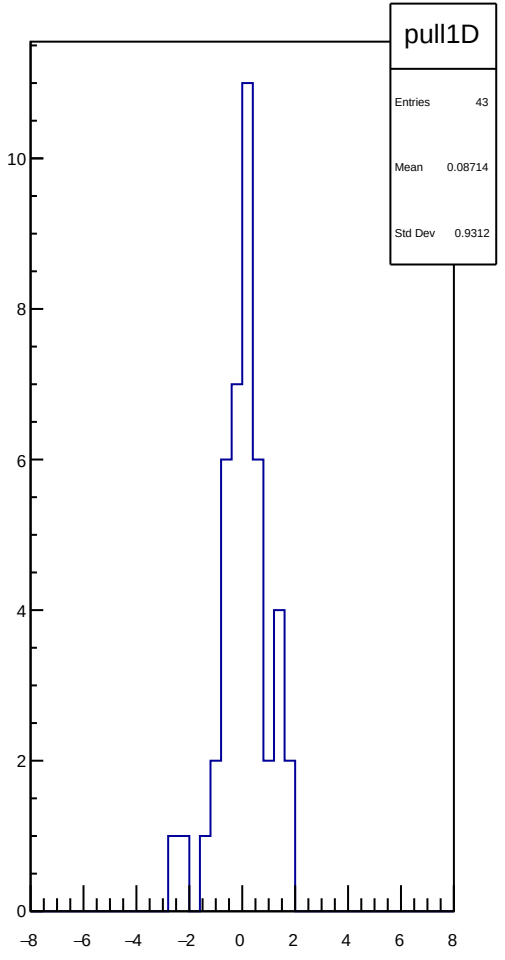

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.026e+05 / 42
p0 47.25 ± 0.05395
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

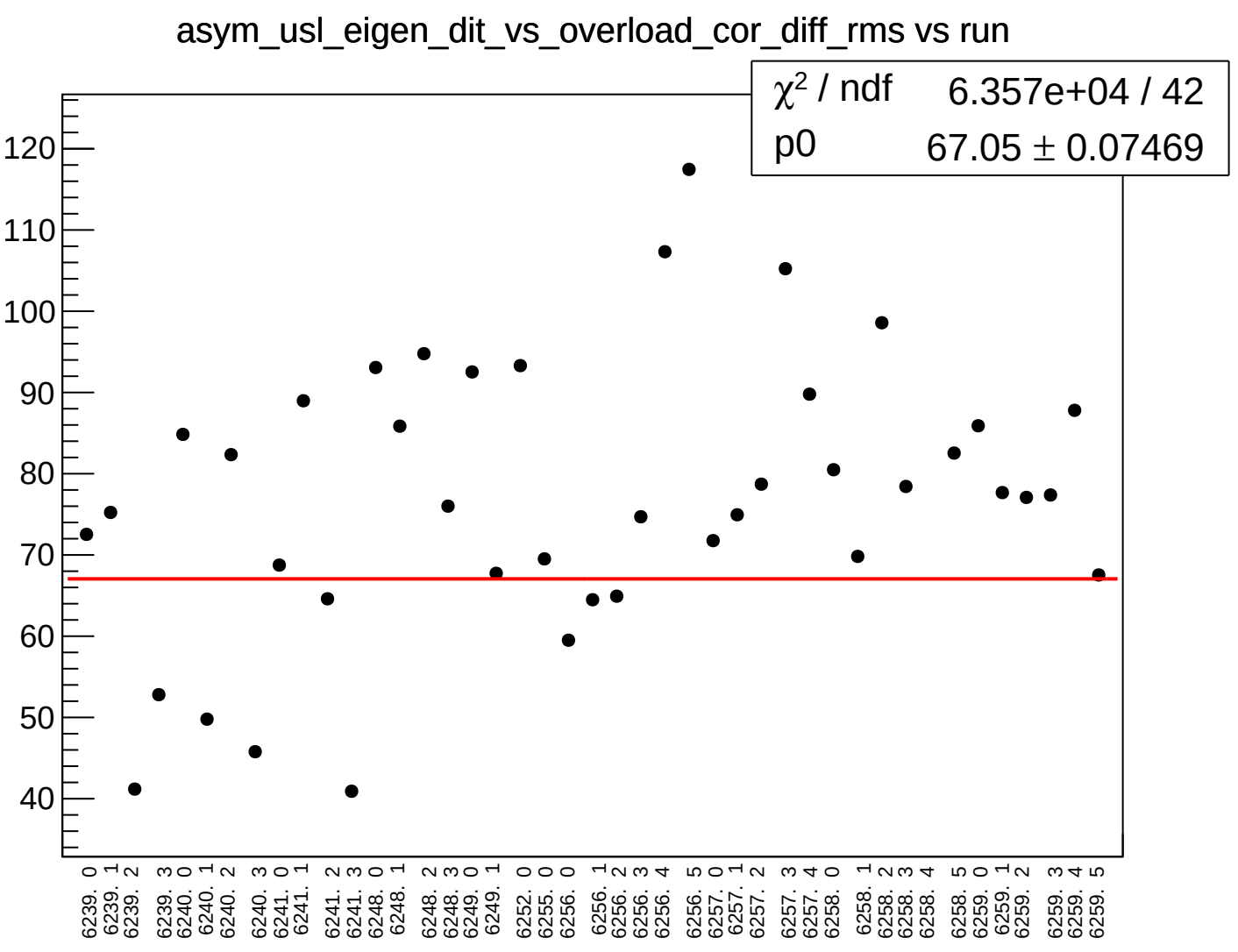

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.79 / 42
p0 −0.03277 ± 0.0763
pull
Entries 43
Mean 41.37
Std Dev 0

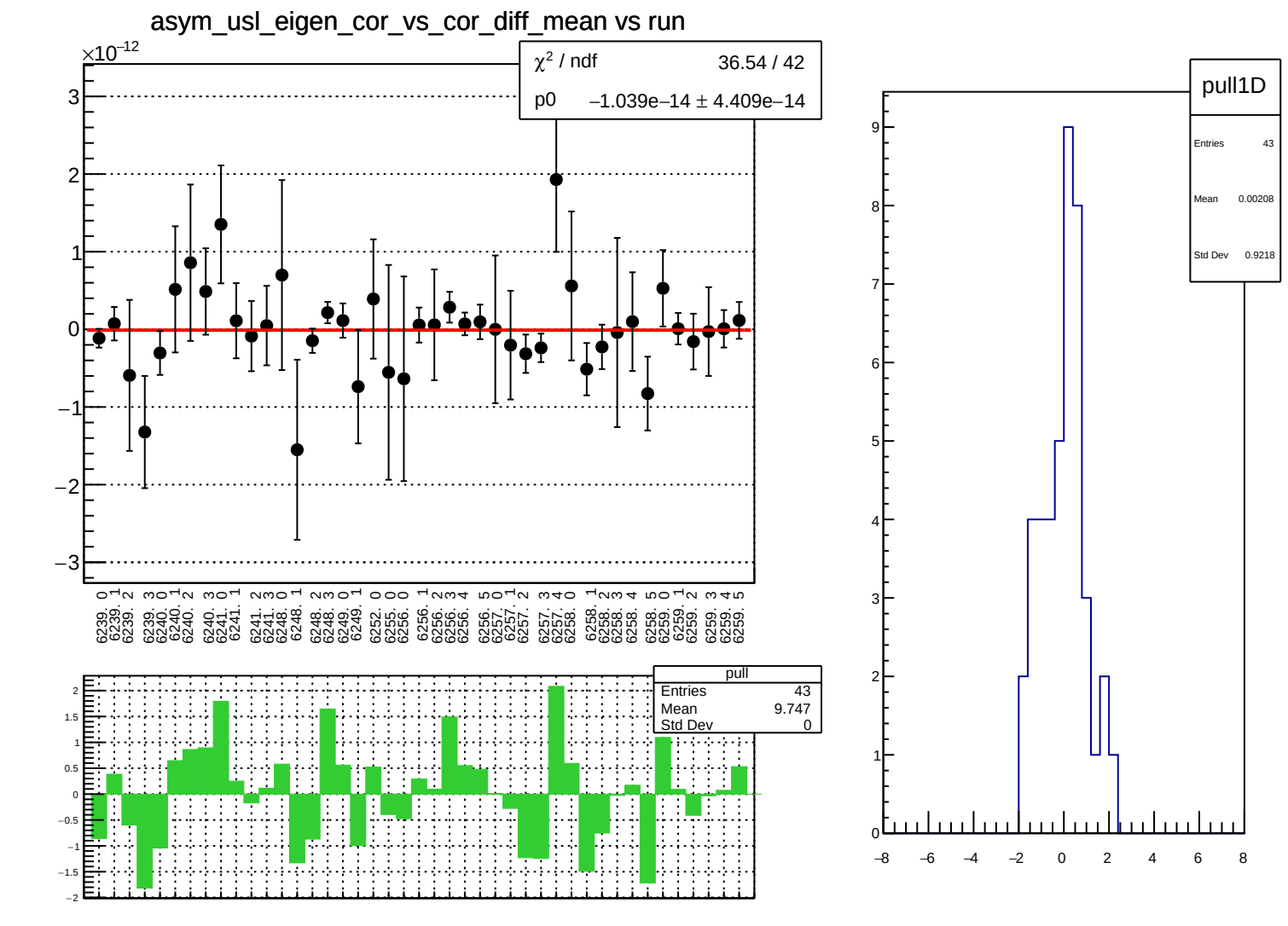

pull1D
Entries 43
Mean 0.1144
Std Dev 0.9909

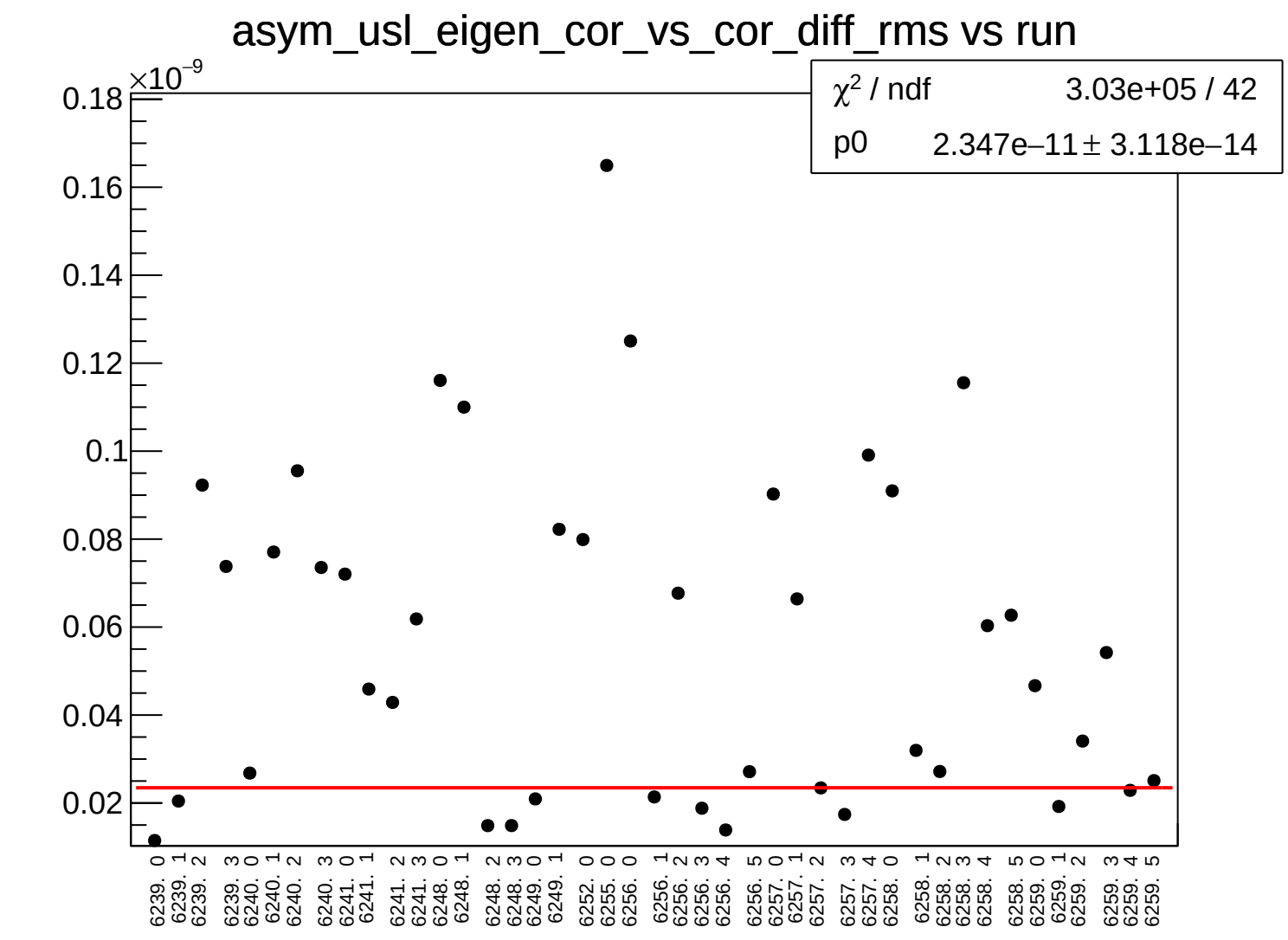

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.026e+05 / 42
p0 47.25 ± 0.05395
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

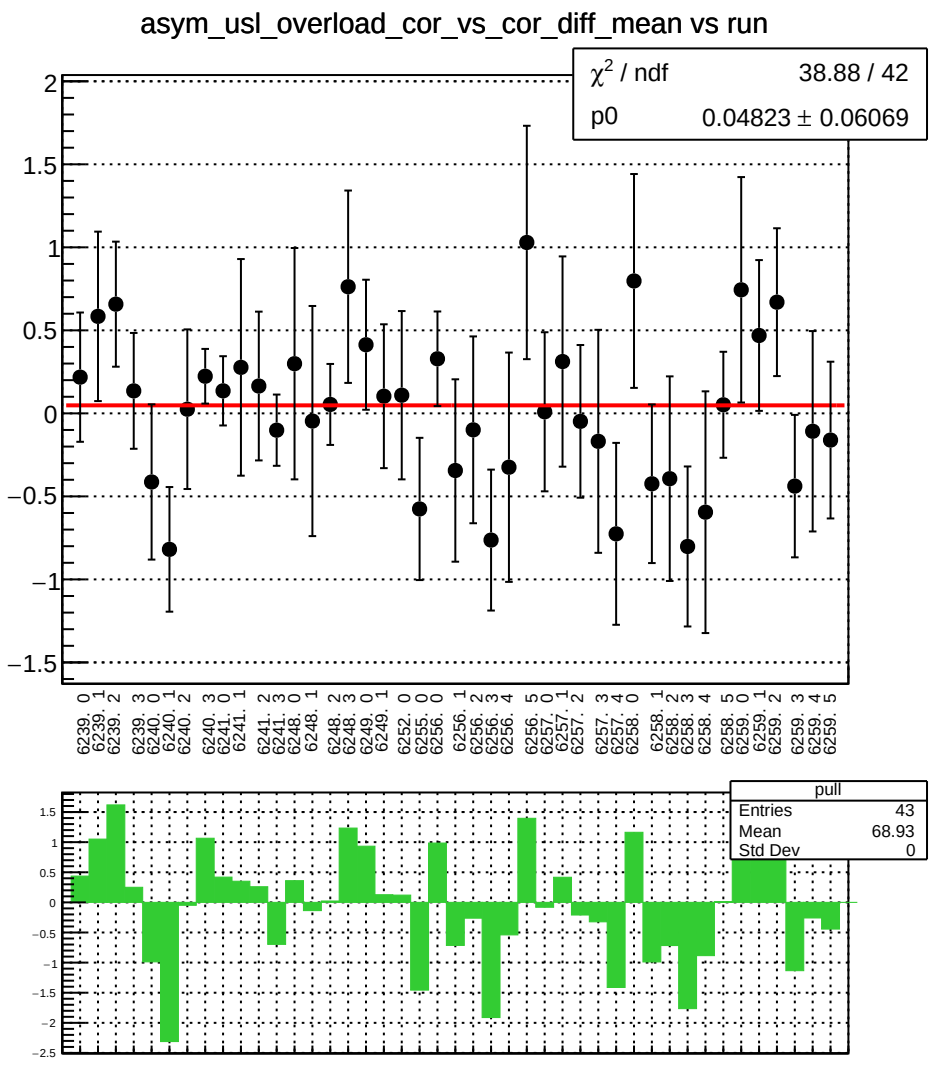

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 37.61 / 42
p0 −0.06665 ± 0.1056
pull
Entries 43
Mean 49.96
Std Dev 0

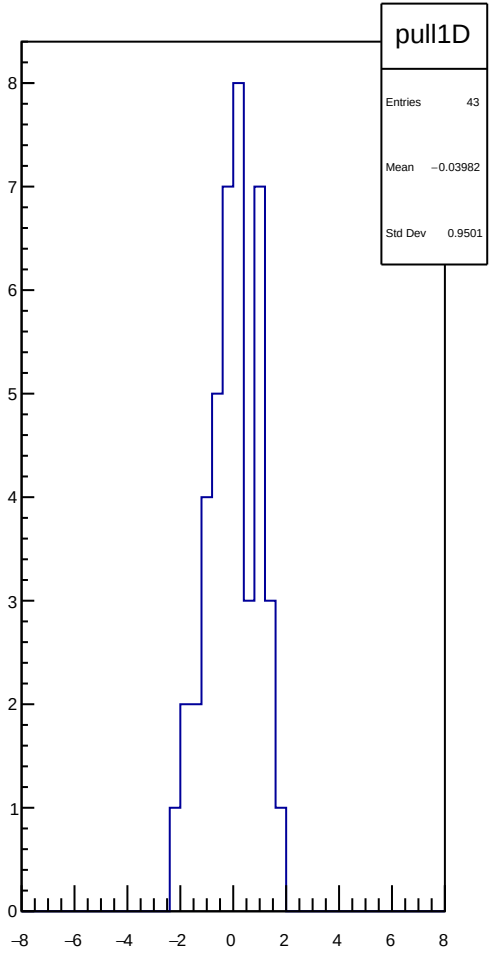

pull1D
Entries 43
Mean 0.08714
Std Dev 0.9312

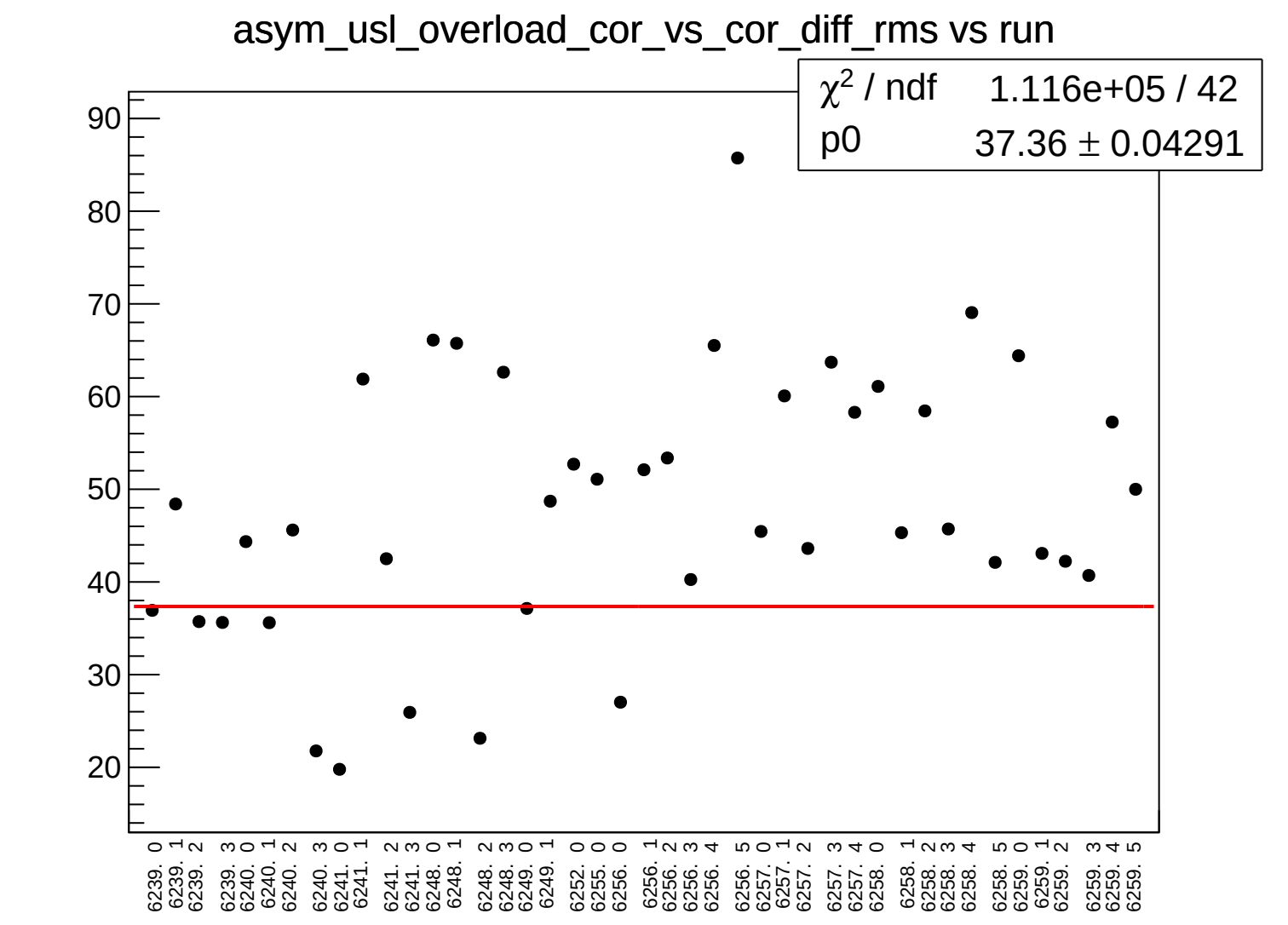

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 6.357e+04 / 42
p0 67.05 ± 0.07469
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

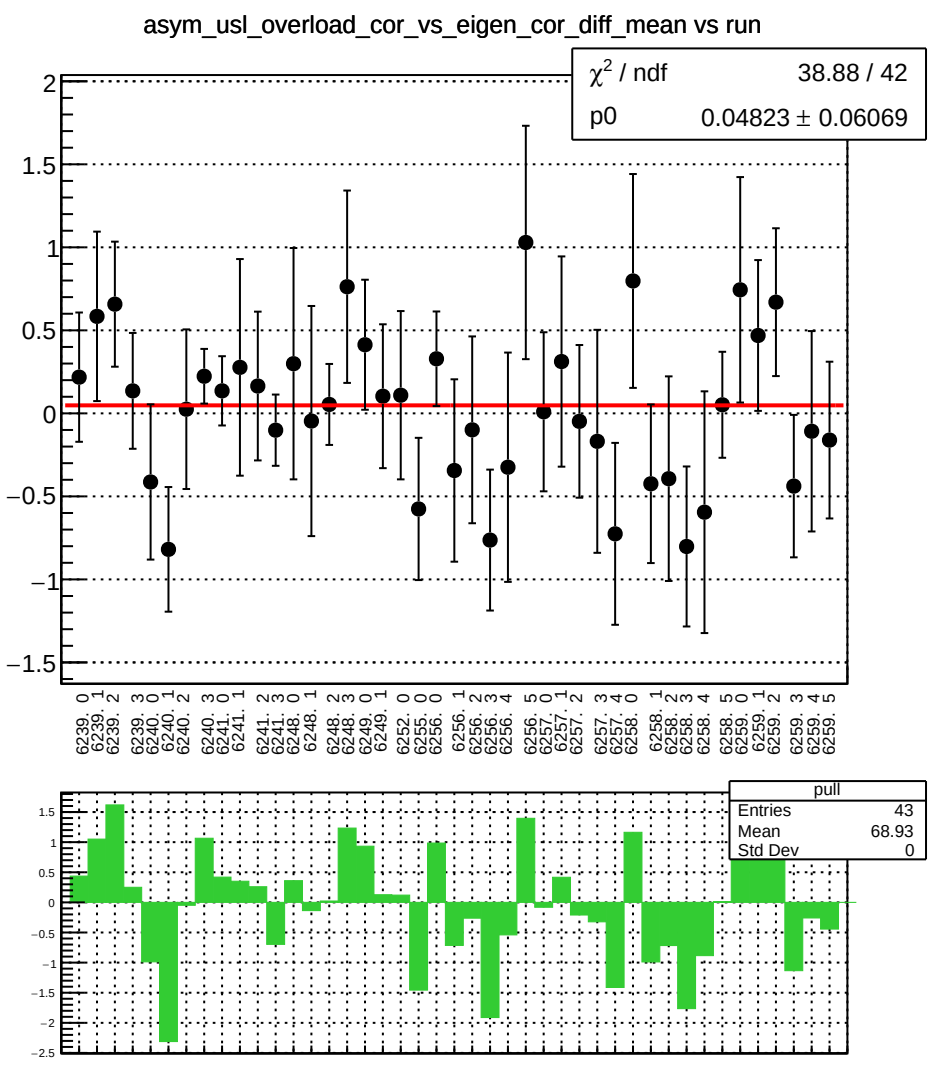

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 36.54 / 42
p0 −1.039e−14 ± 4.409e−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.747
Std Dev 0
pull1D
Entries 43
Mean 0.00208
Std Dev 0.9218

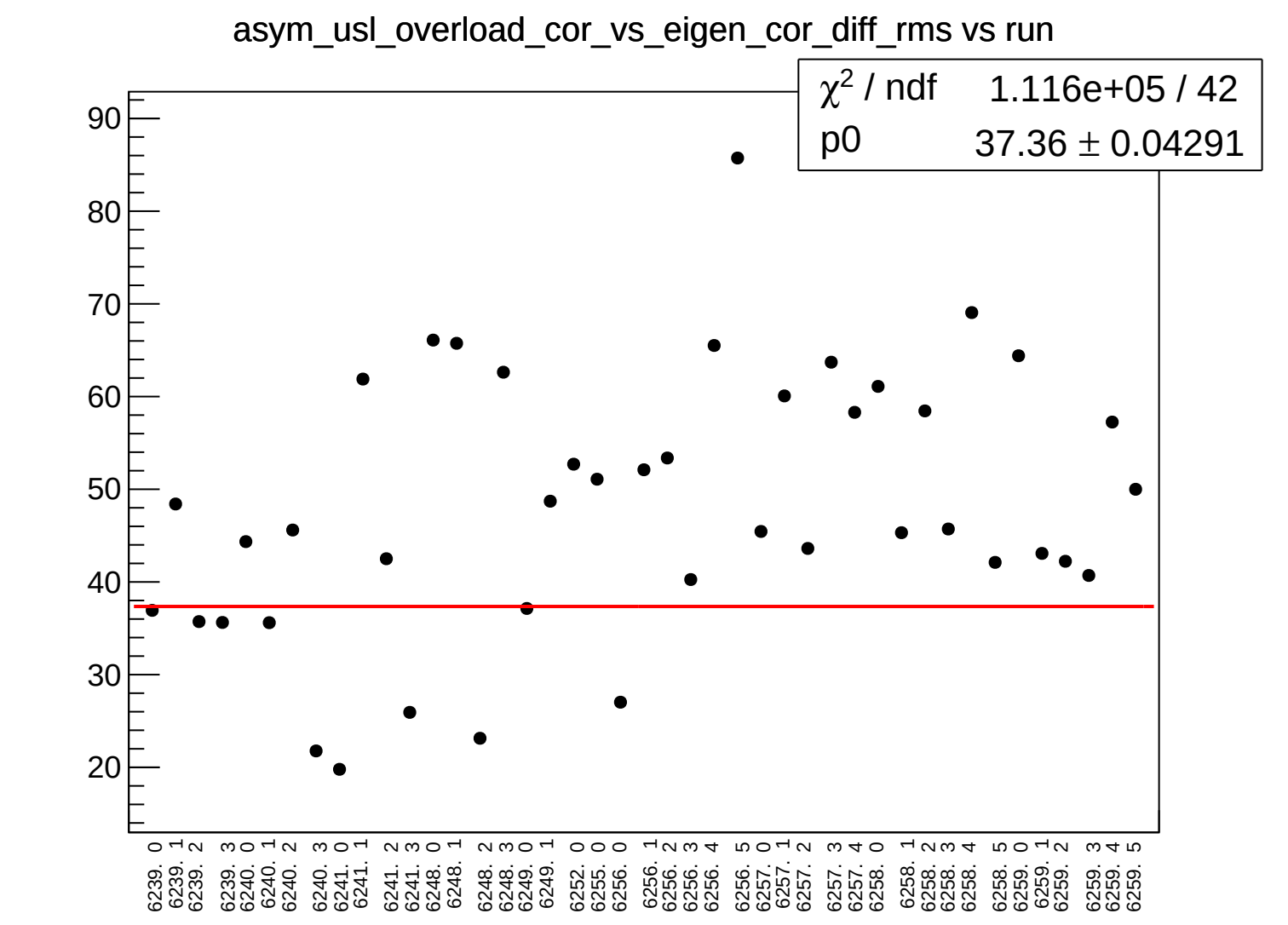

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.03e+05 / 42
p0 2.347e−11 ± 3.118e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

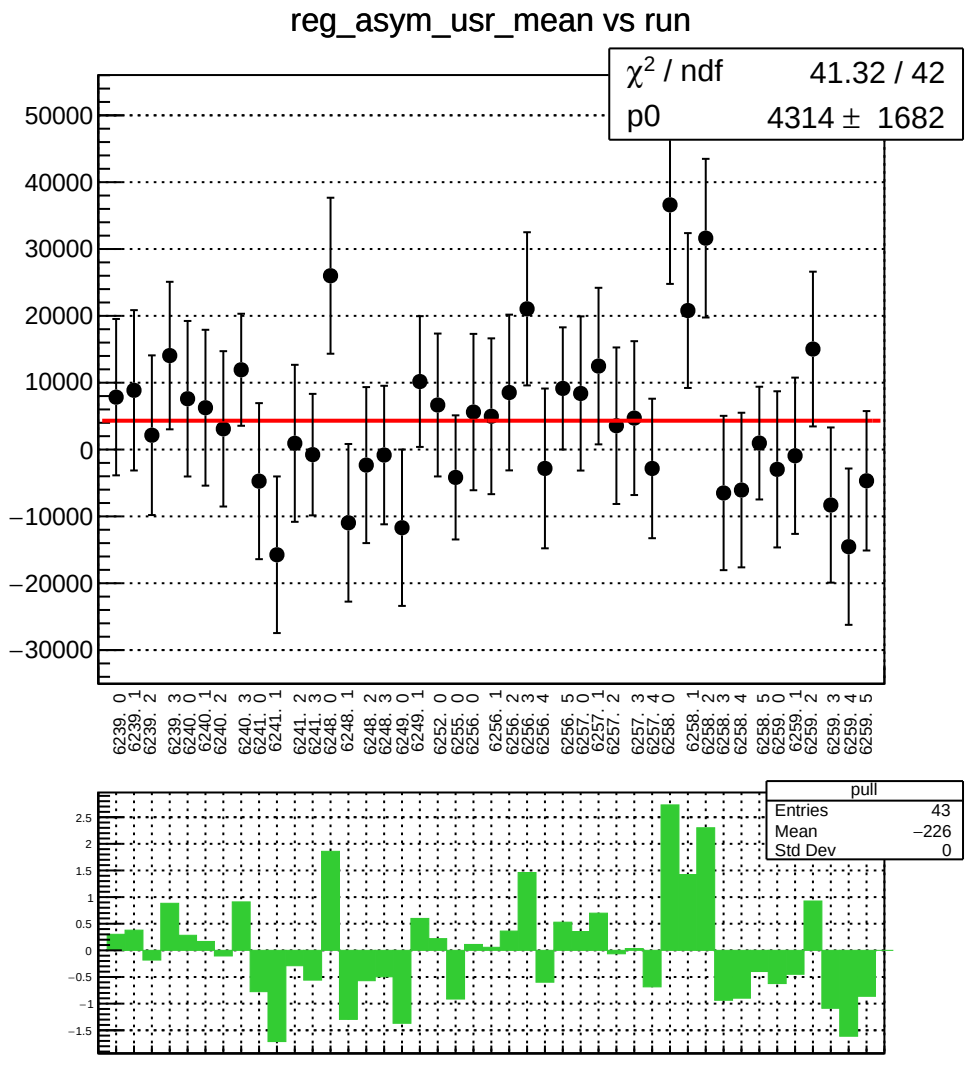

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 38.88 / 42
p0 0.04823 ± 0.06069
pull
Entries 43
Mean 68.93
Std Dev 0

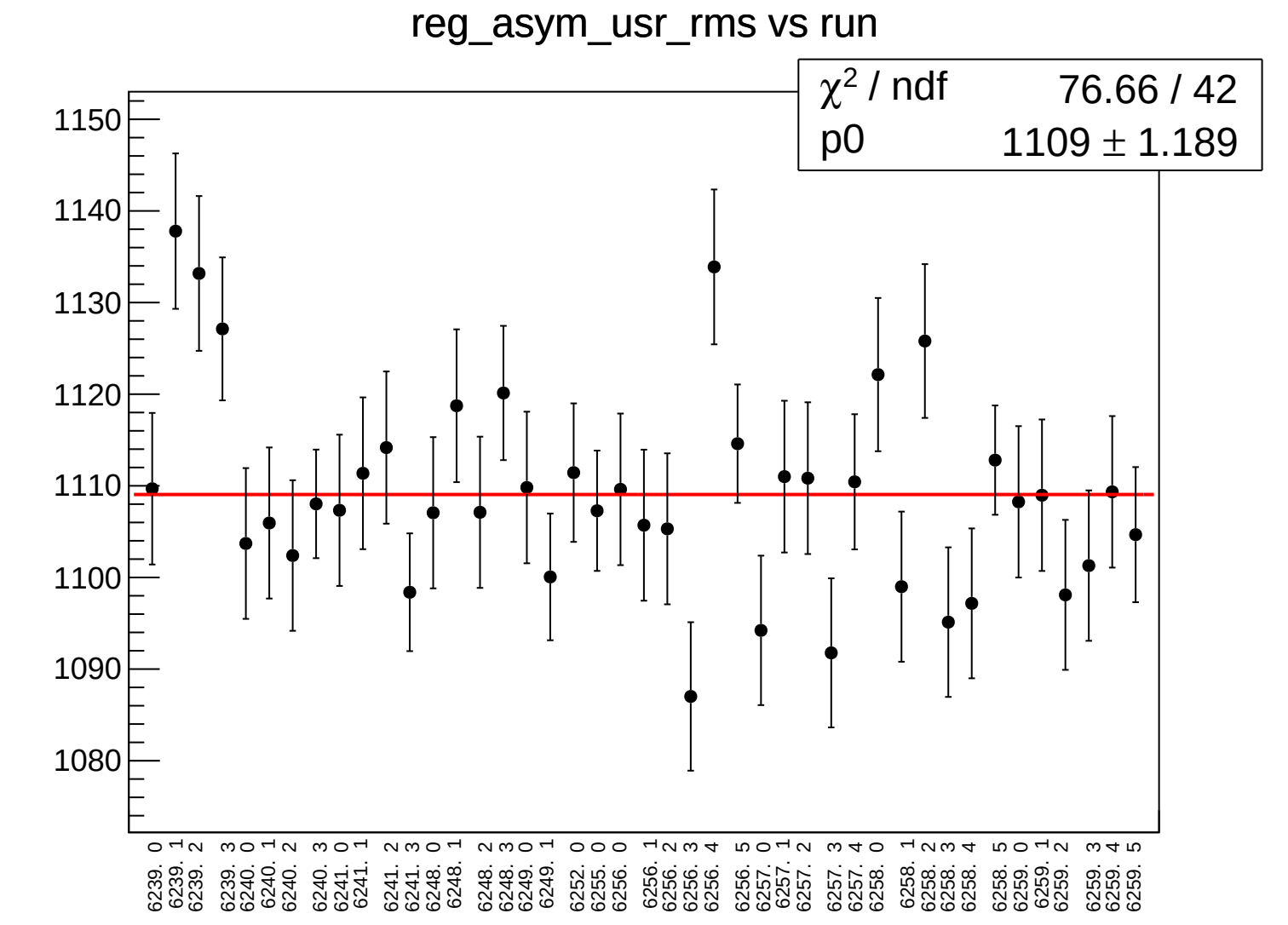

pull1D
Entries 43
Mean −0.03982
Std Dev 0.9501

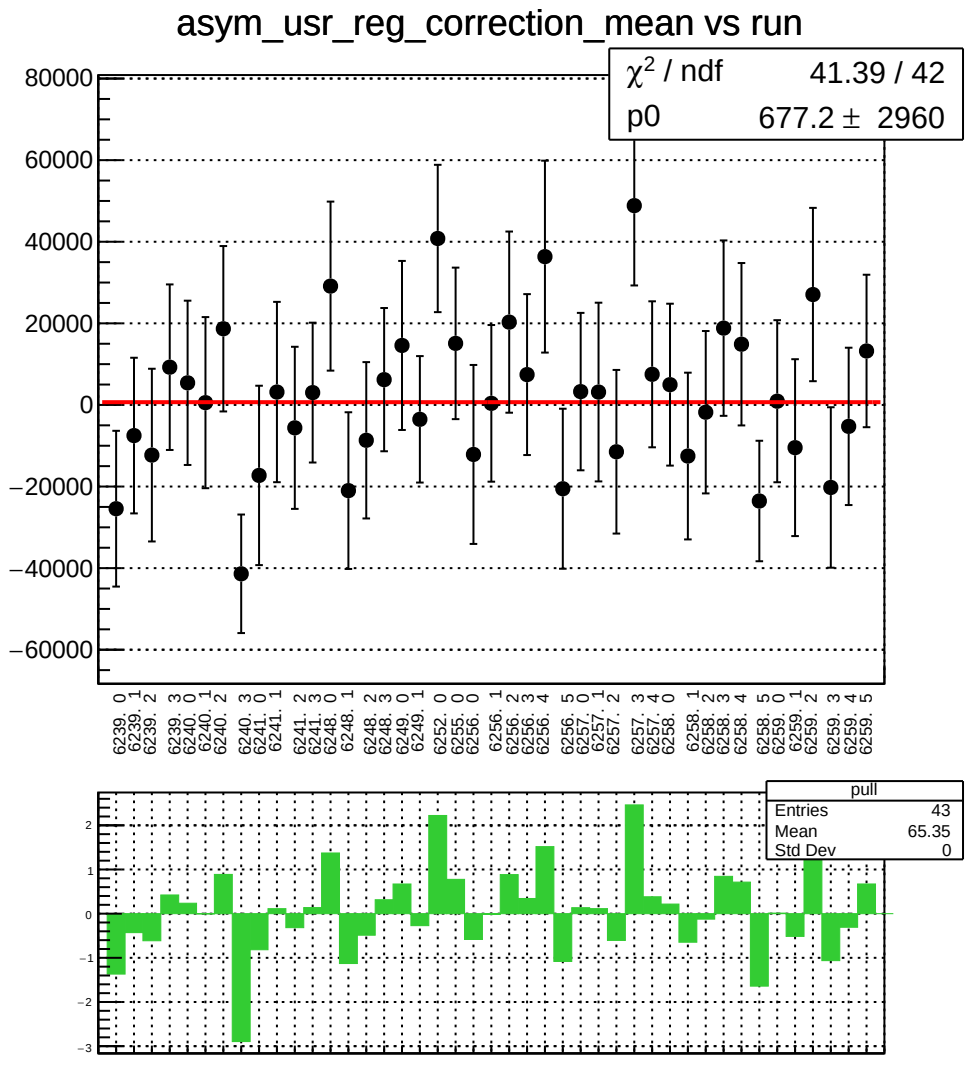

asym_usl_overload_cor_vs_cor_diff_rms vs run
$\chi^2$ / ndf 1.116e+05 / 42
p0 37.36 ± 0.04291
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

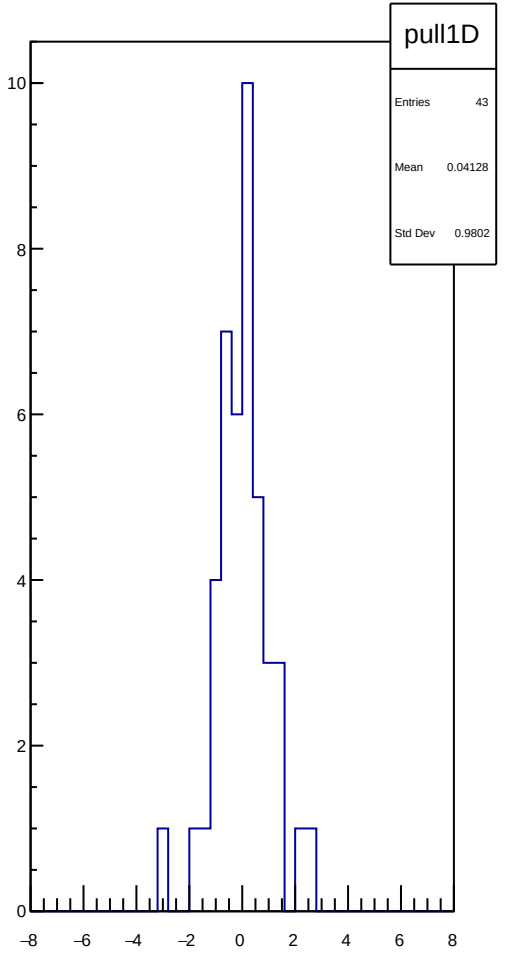

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.88 / 42
p0 0.04823 ± 0.06069
pull
Entries 43
Mean 68.93
Std Dev 0
pull1D
Entries 43
Mean −0.03982
Std Dev 0.9501

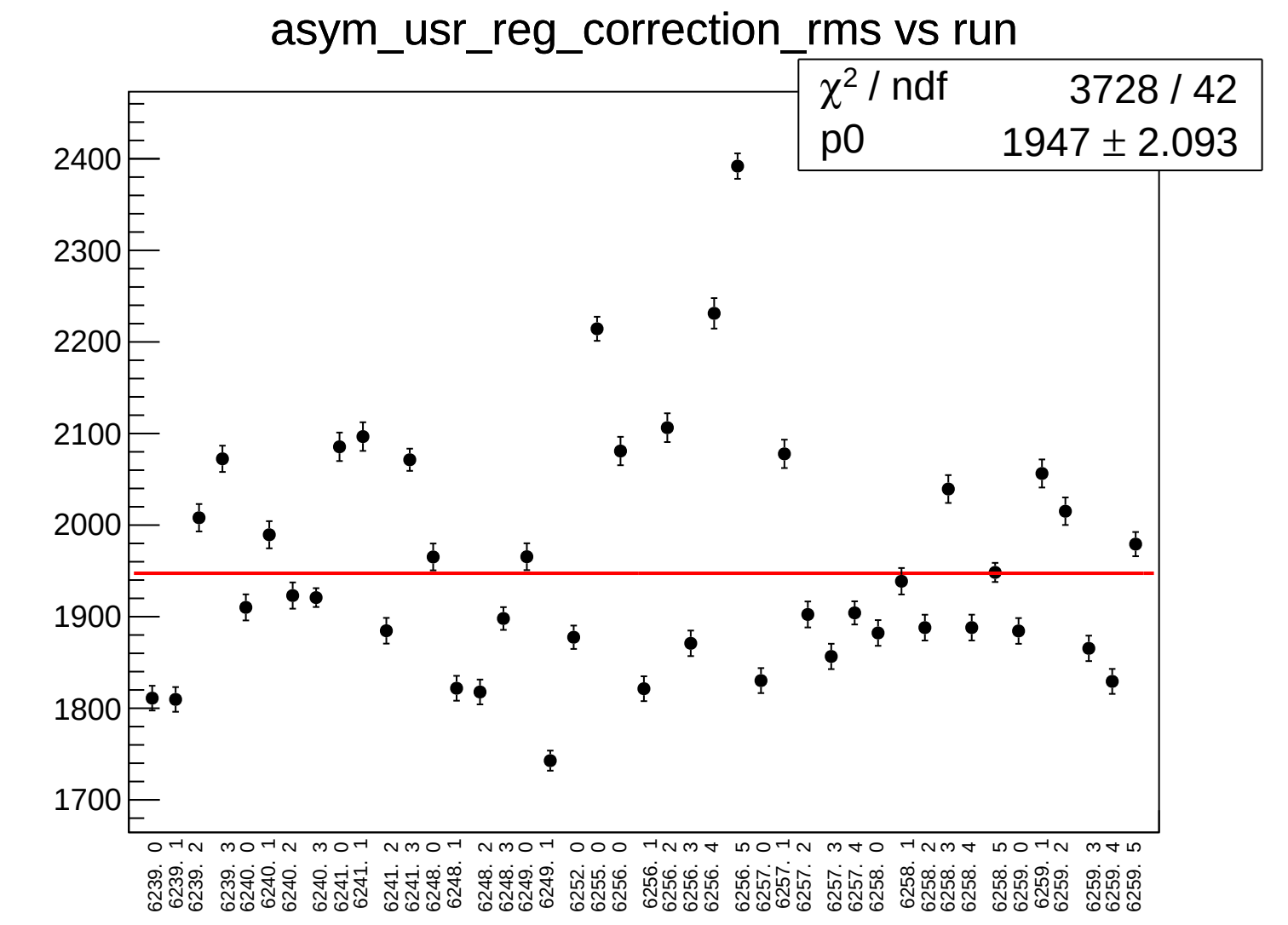

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ2 / ndf 1.116e+05 / 42
p0 37.36 ± 0.04291
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

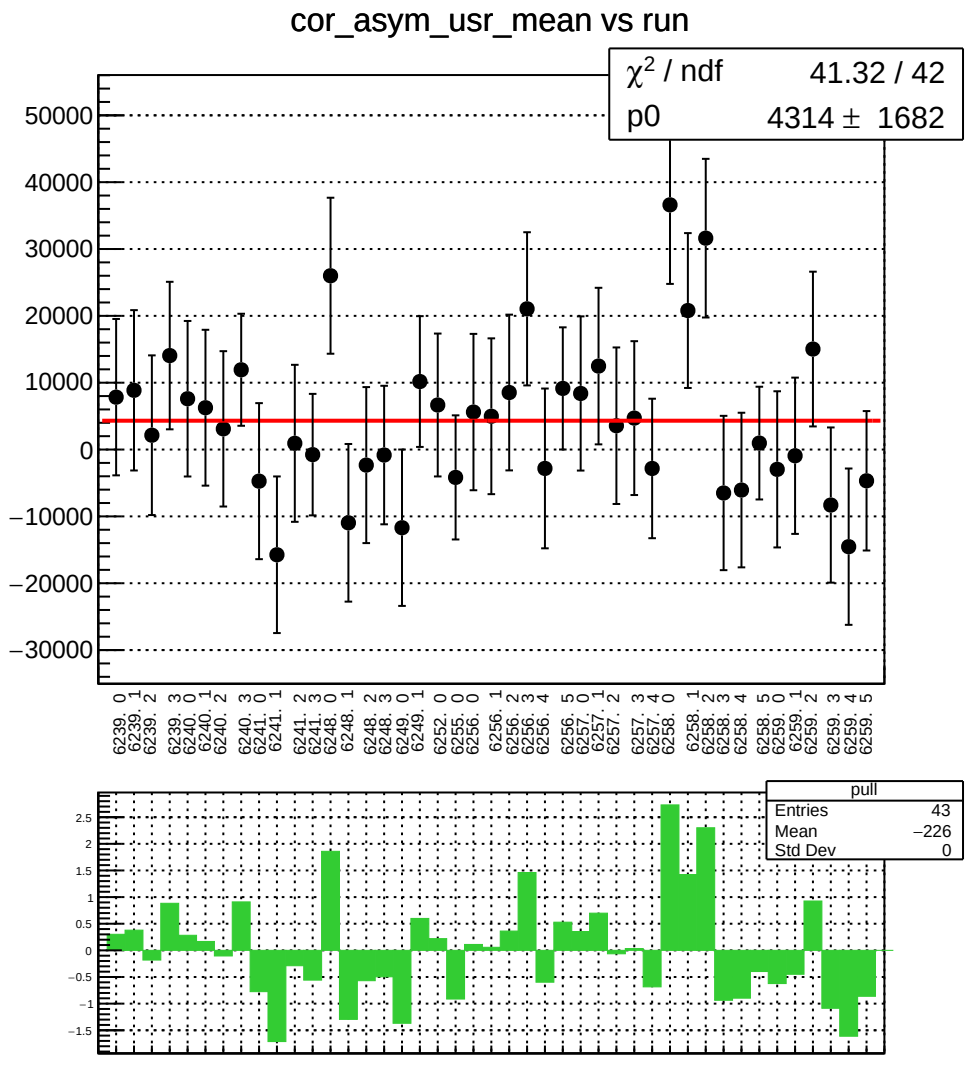

reg_asym_usr_mean vs run
$\chi^2$ / ndf 41.32 / 42
p0 4314 ± 1682
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −226
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.002662
Std Dev 0.9803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

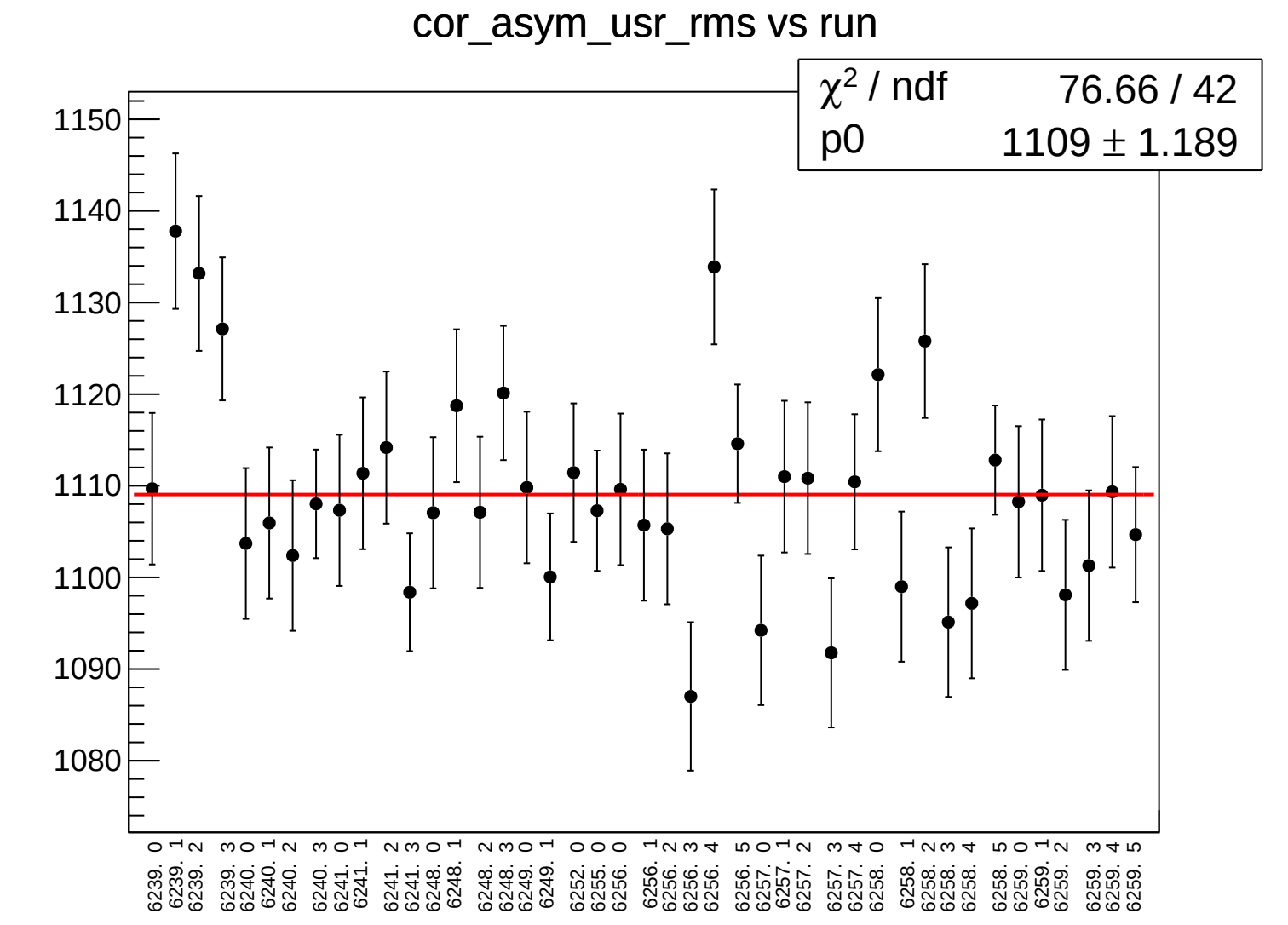

reg_asym_usr_rms vs run
χ² / ndf 76.66 / 42
p0 1109 ± 1.189
1150
1140
1130
1120
1110
1100
1090
1080
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

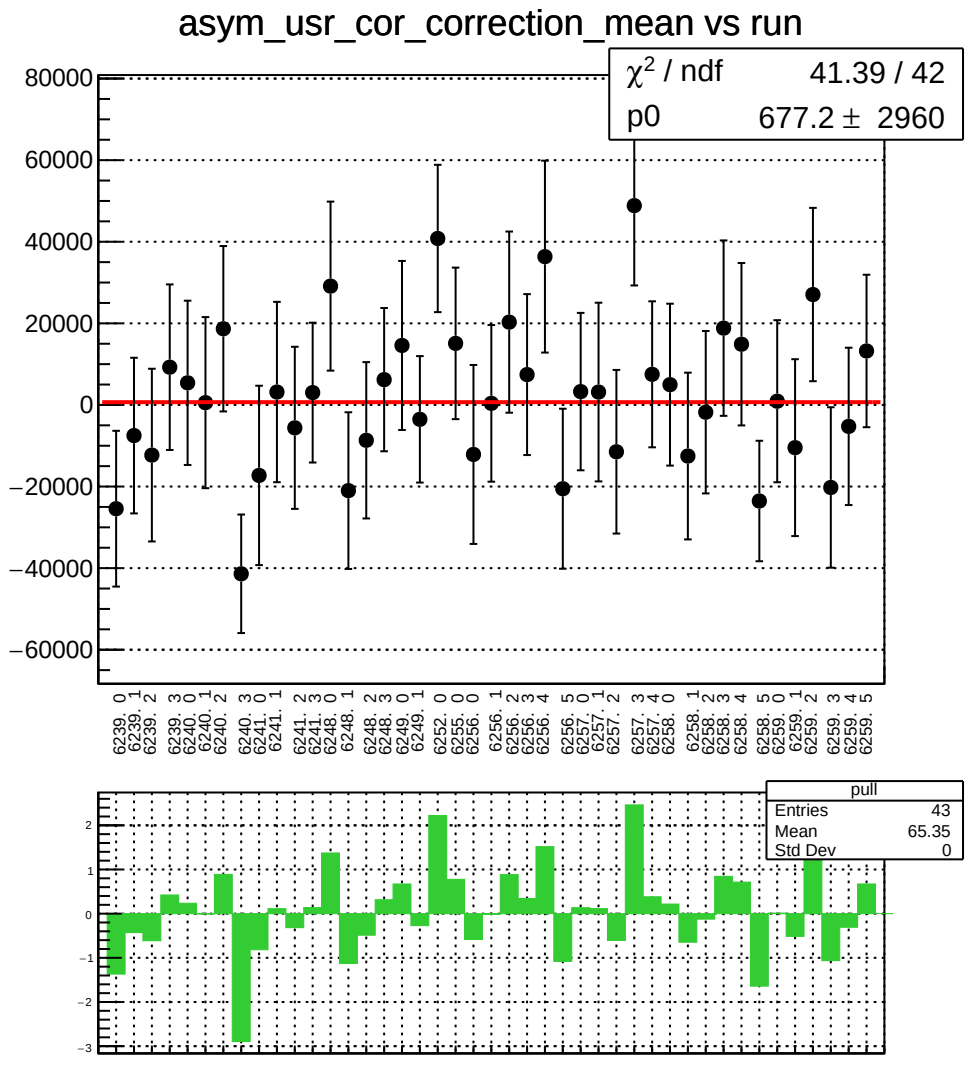

asym_usr_reg_correction_mean vs run
χ² / ndf 41.39 / 42
p0 677.2 ± 2960
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.35
Std Dev 0
2
1
0
−1
−2
−3

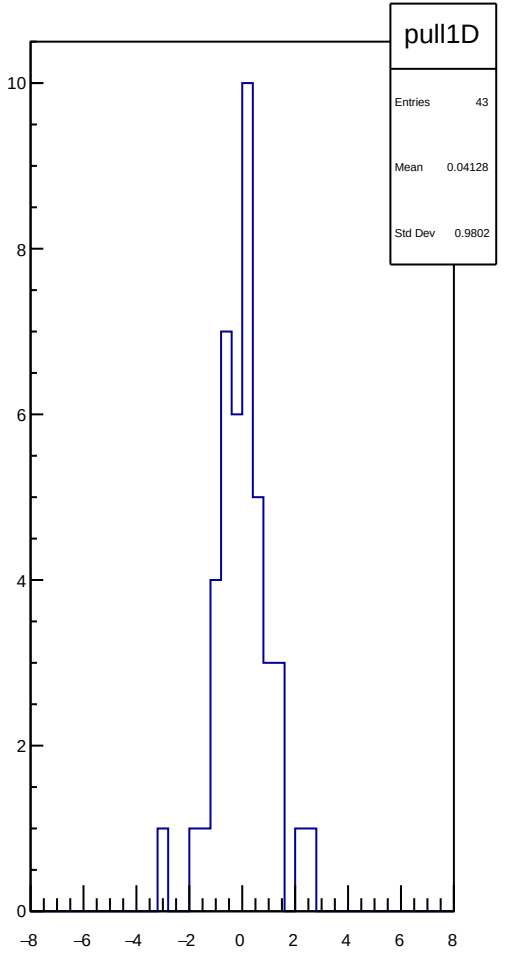

pull1D
Entries 43
Mean 0.04128
Std Dev 0.9802
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

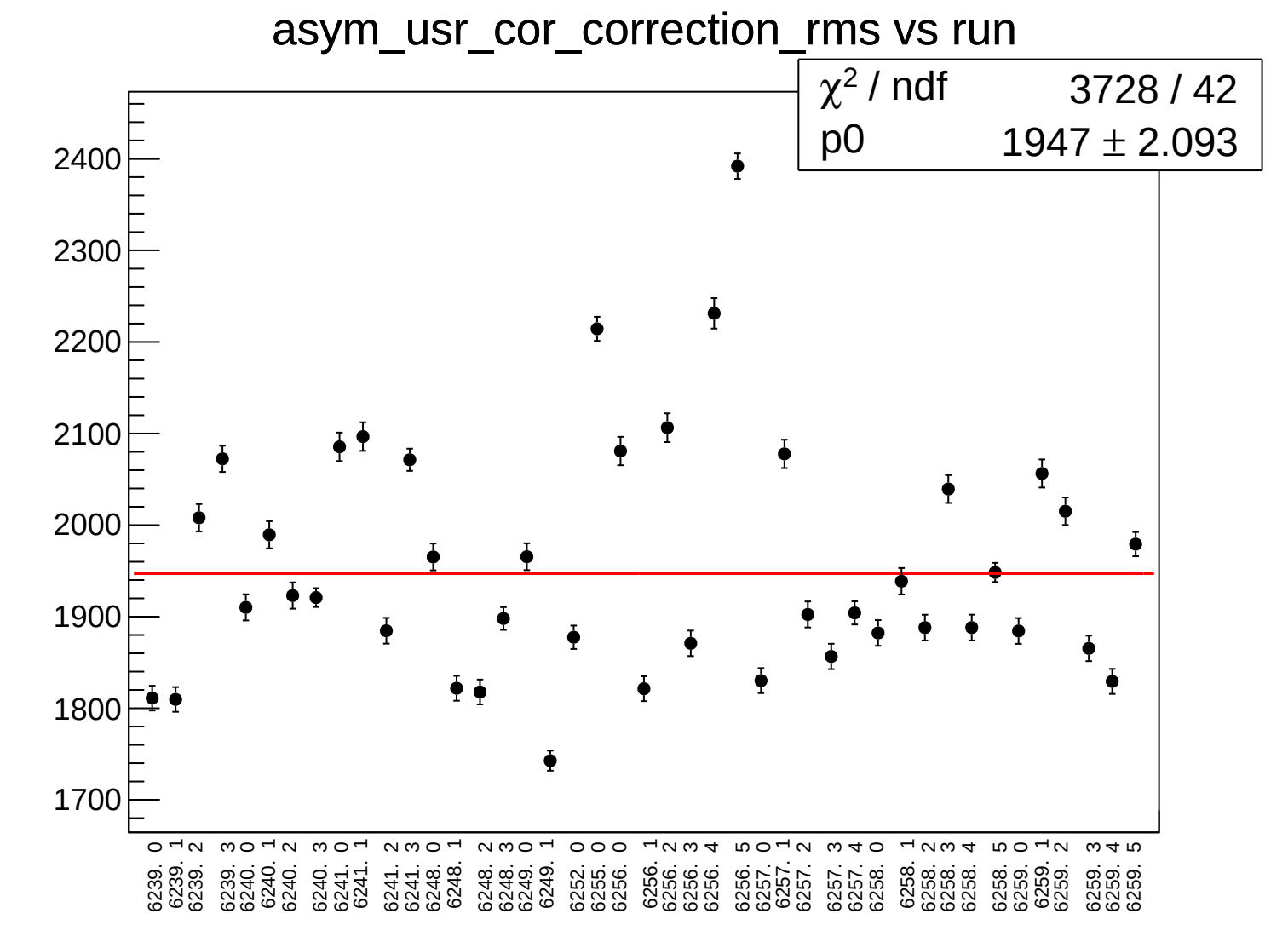

asym_usr_reg_correction_rms vs run
χ² / ndf 3728 / 42
p0 1947 ± 2.093
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

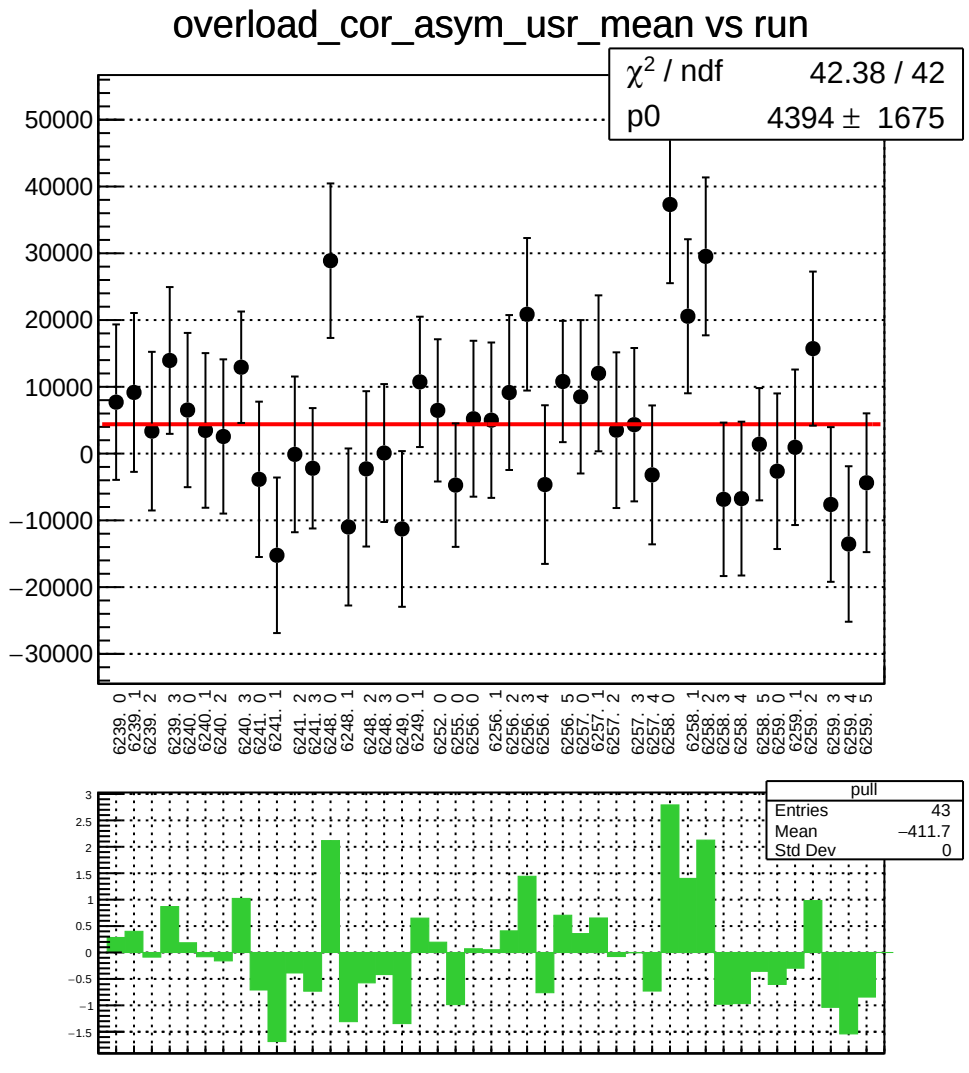

cor_asym_usr_mean vs run
$\chi^2$ / ndf 41.32 / 42
p0 4314 ± 1682
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −226
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.002662
Std Dev 0.9803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

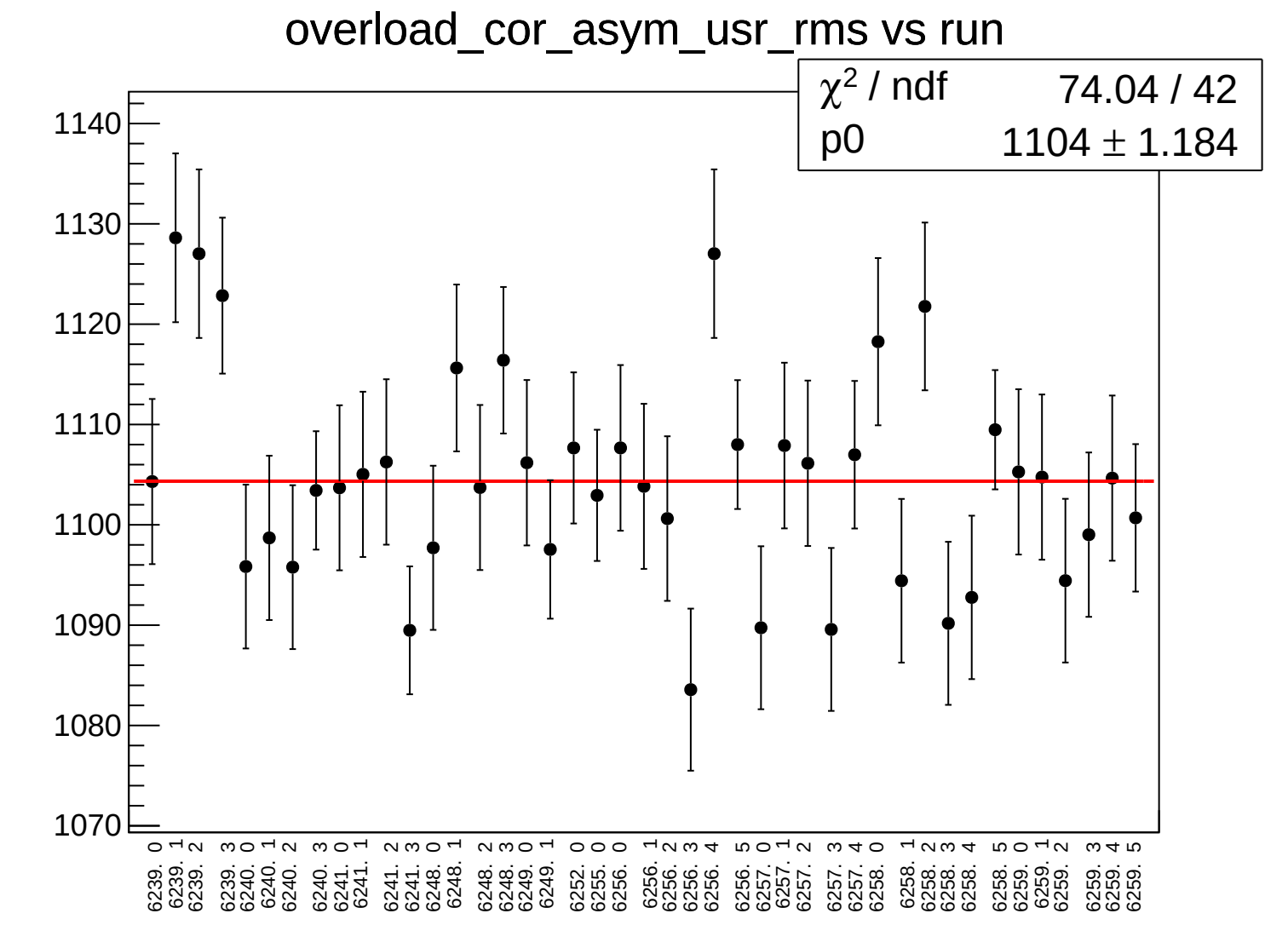

cor_asym_usr_rms vs run
χ² / ndf 76.66 / 42
p0 1109 ± 1.189
1150
1140
1130
1120
1110
1100
1090
1080
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

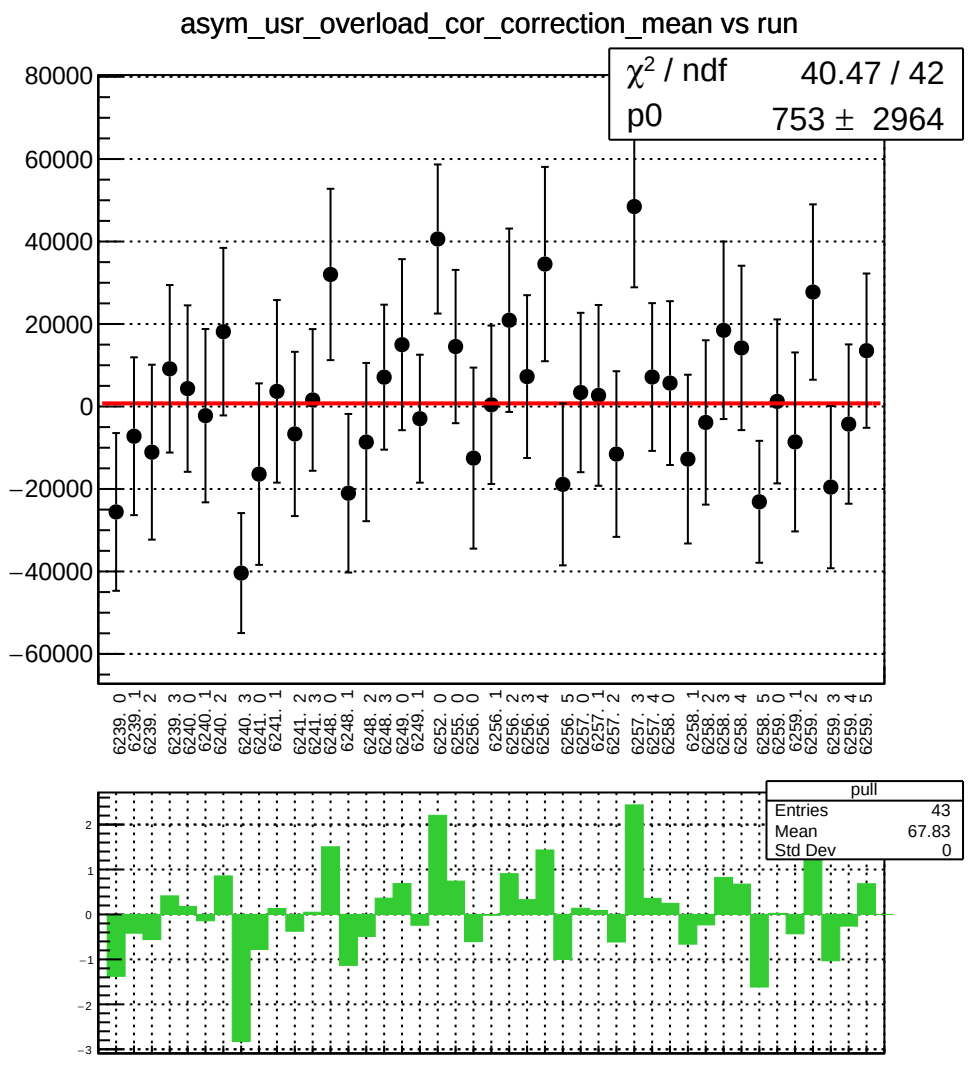

asym_usr_cor_correction_mean vs run
χ² / ndf 41.39 / 42
p0 677.2 ± 2960
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.35
Std Dev 0
2
1
0
−1
−2
−3

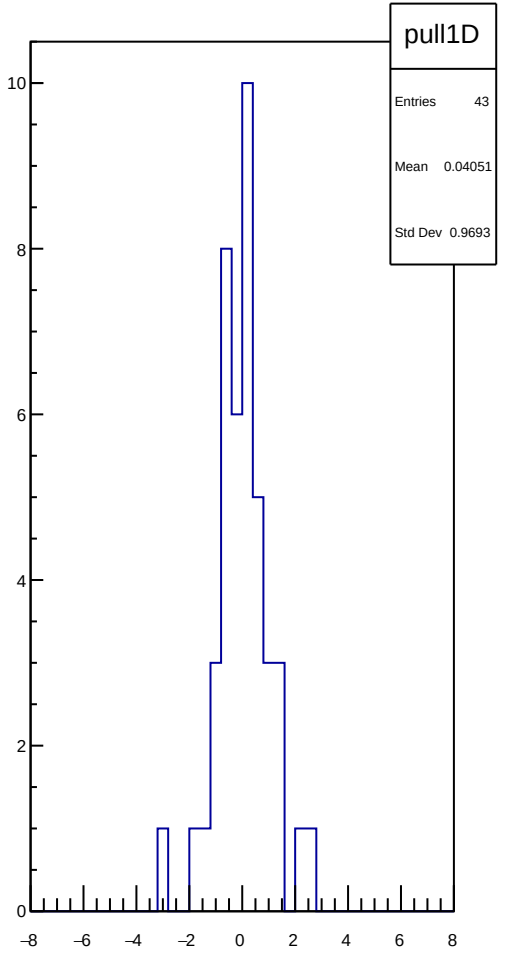

pull1D
Entries 43
Mean 0.04128
Std Dev 0.9802
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

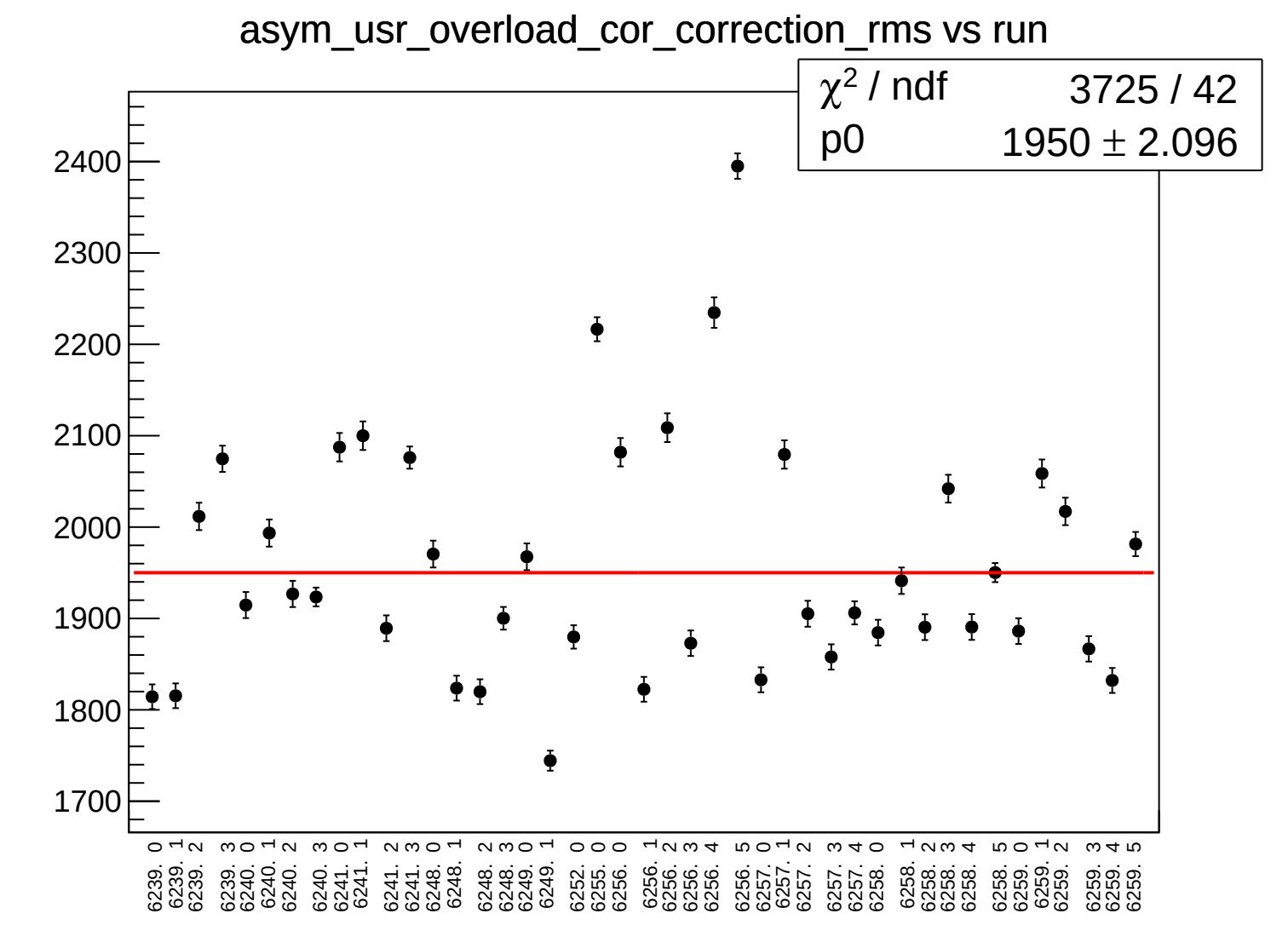

asym_usr_cor_correction_rms vs run
χ² / ndf 3728 / 42
p0 1947 ± 2.093
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

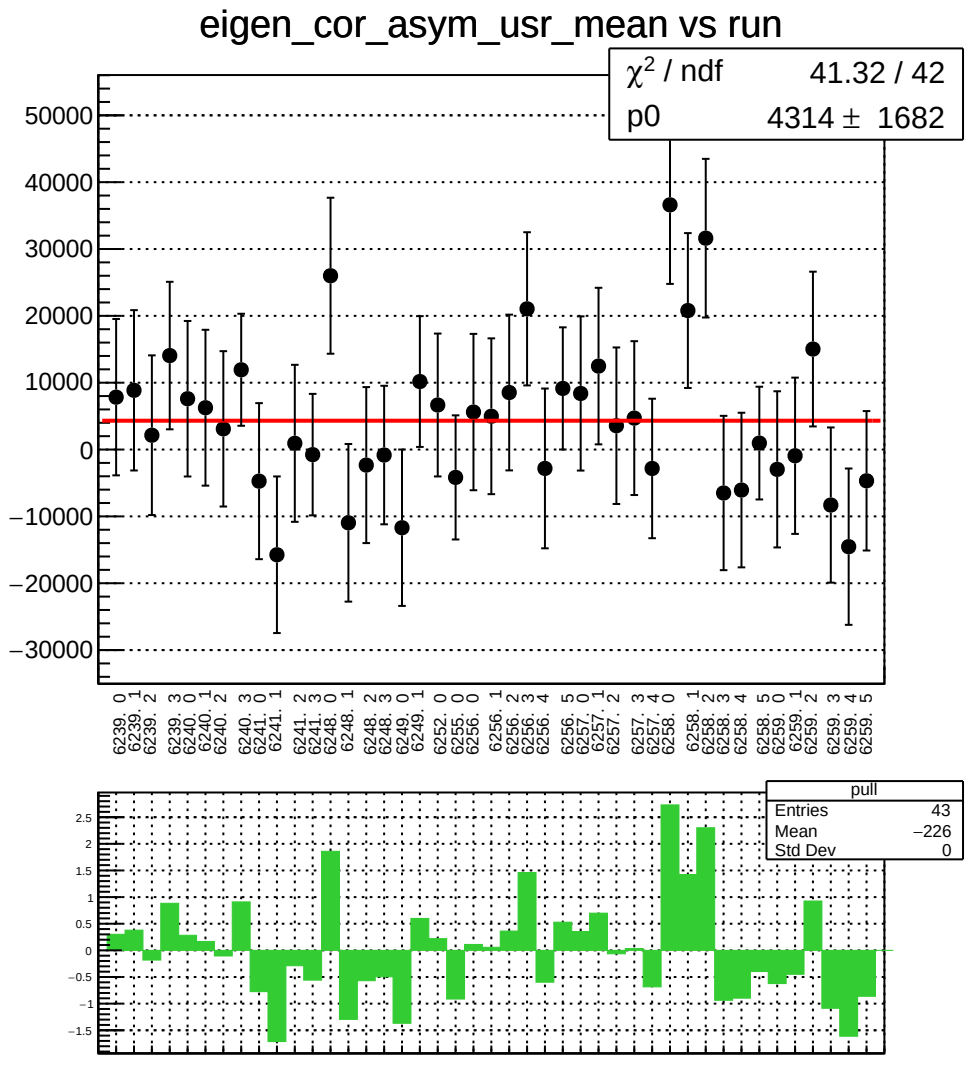

overload_cor_asym_usr_mean vs run
χ² / ndf 42.38 / 42
p0 4394 ± 1675
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −411.7
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.001232
Std Dev 0.9928
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

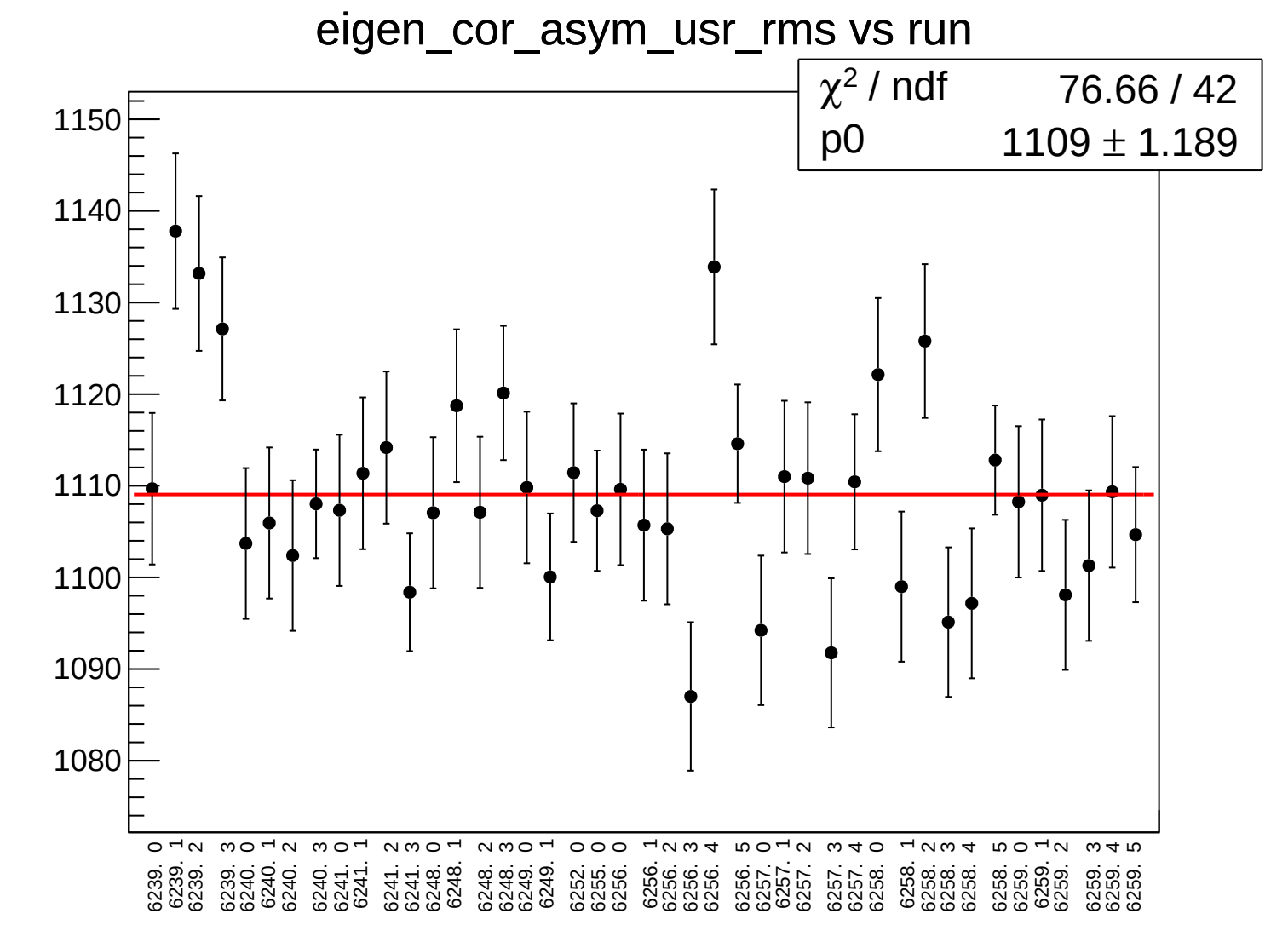

overload_cor_asym_usr_rms vs run
χ² / ndf 74.04 / 42
p0 1104 ± 1.184
1140
1130
1120
1110
1100
1090
1080
1070
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

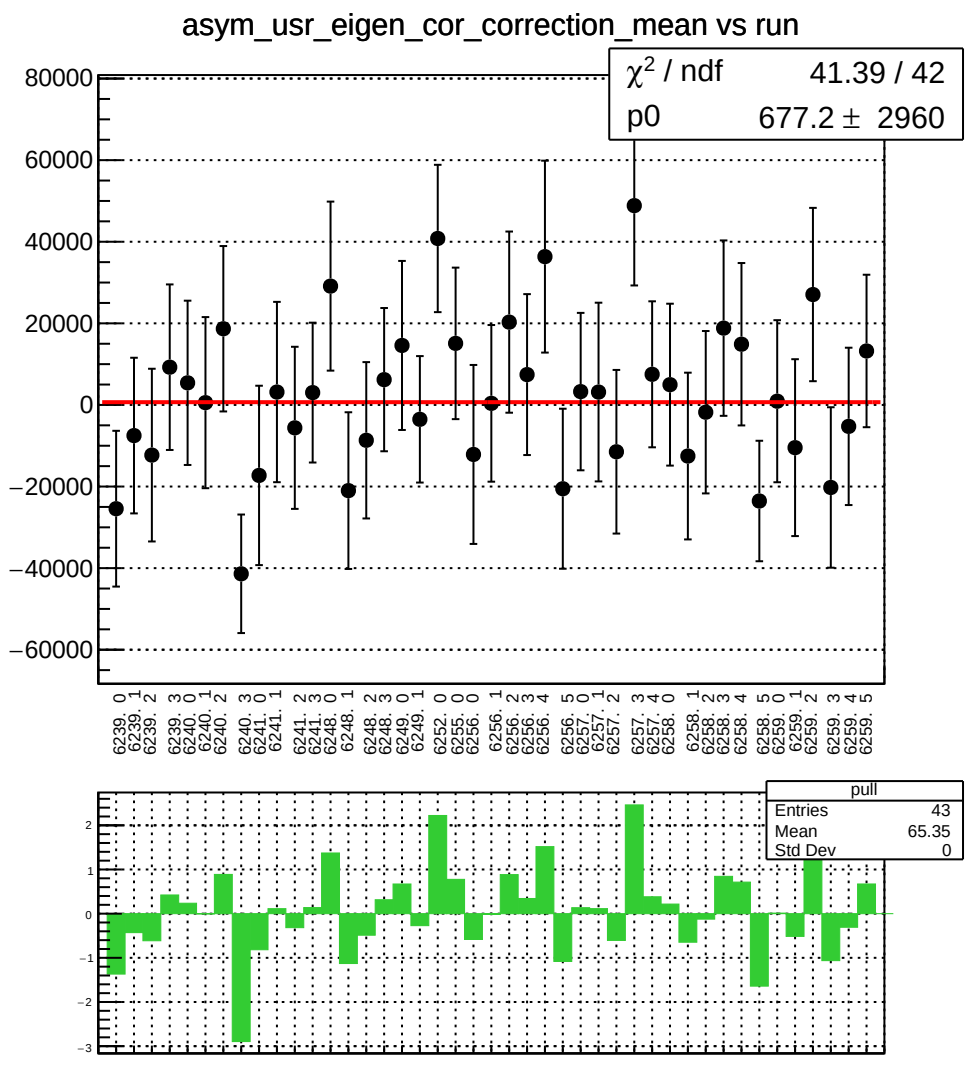

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 40.47 / 42
p0 753 ± 2964
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 67.83
Std Dev 0
2
1
0
−1
−2
−3

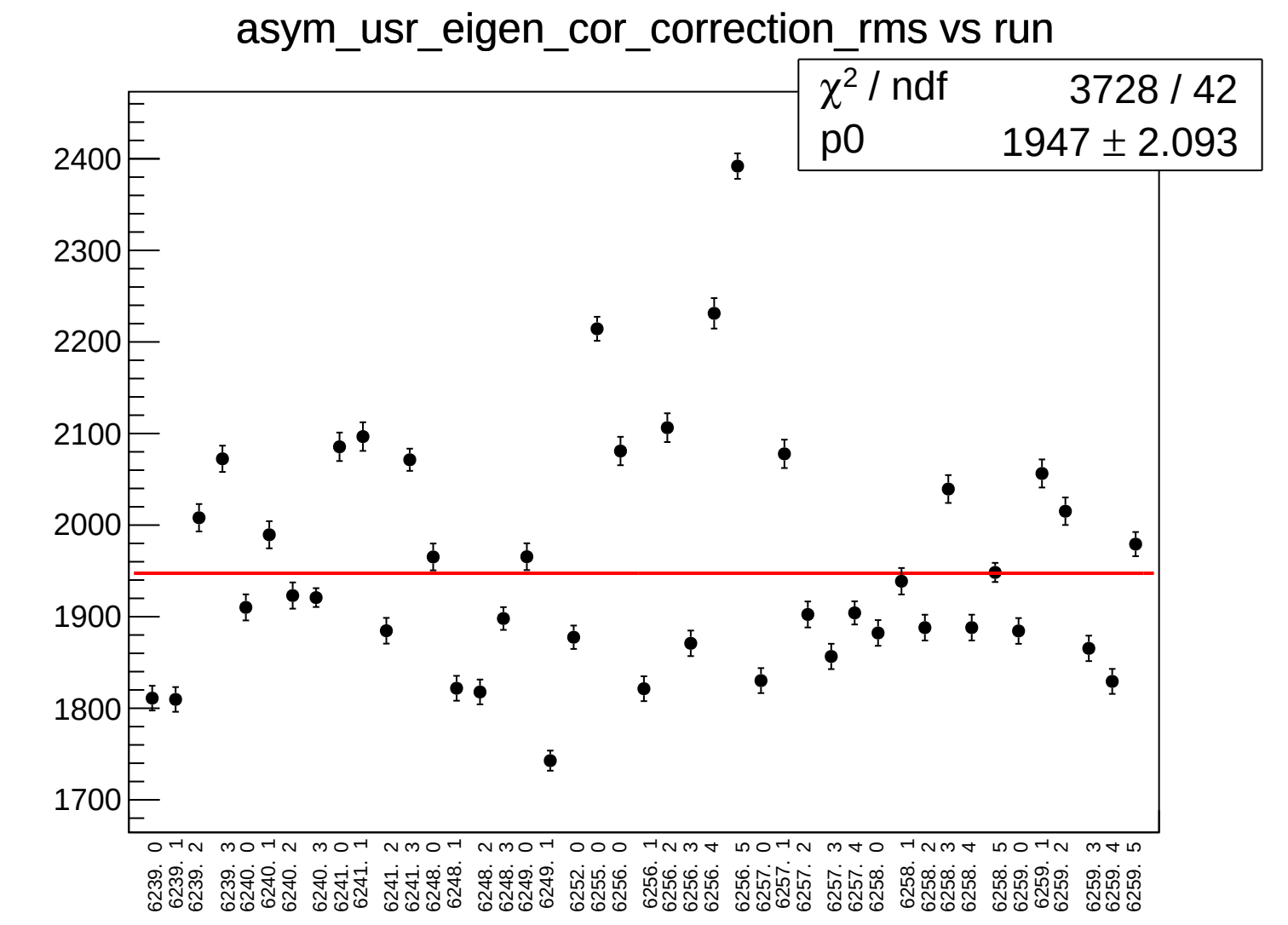

pull1D
Entries 43
Mean 0.04051
Std Dev 0.9693
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

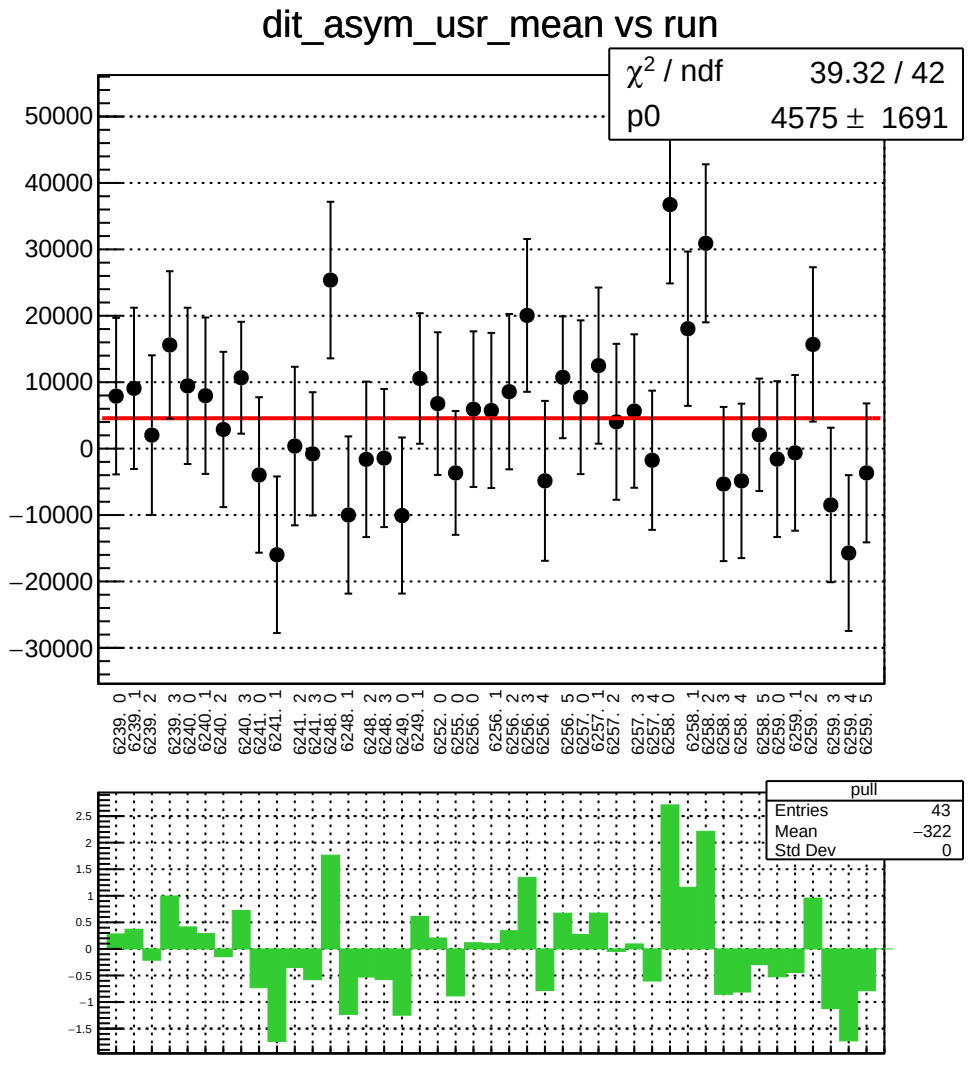

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 3725 / 42
p0 1950 ± 2.096
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

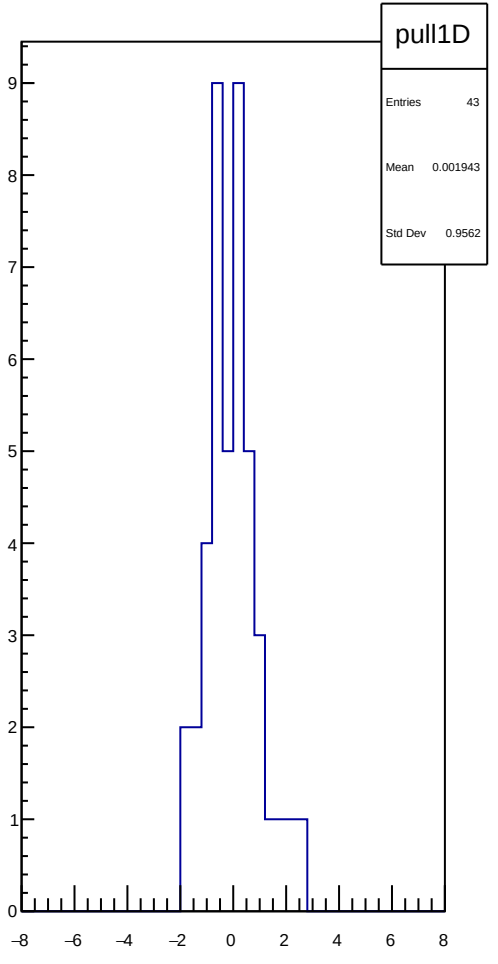

eigen_cor_asym_usr_mean vs run
χ² / ndf 41.32 / 42
p0 4314 ± 1682
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −226
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.002662
Std Dev 0.9803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

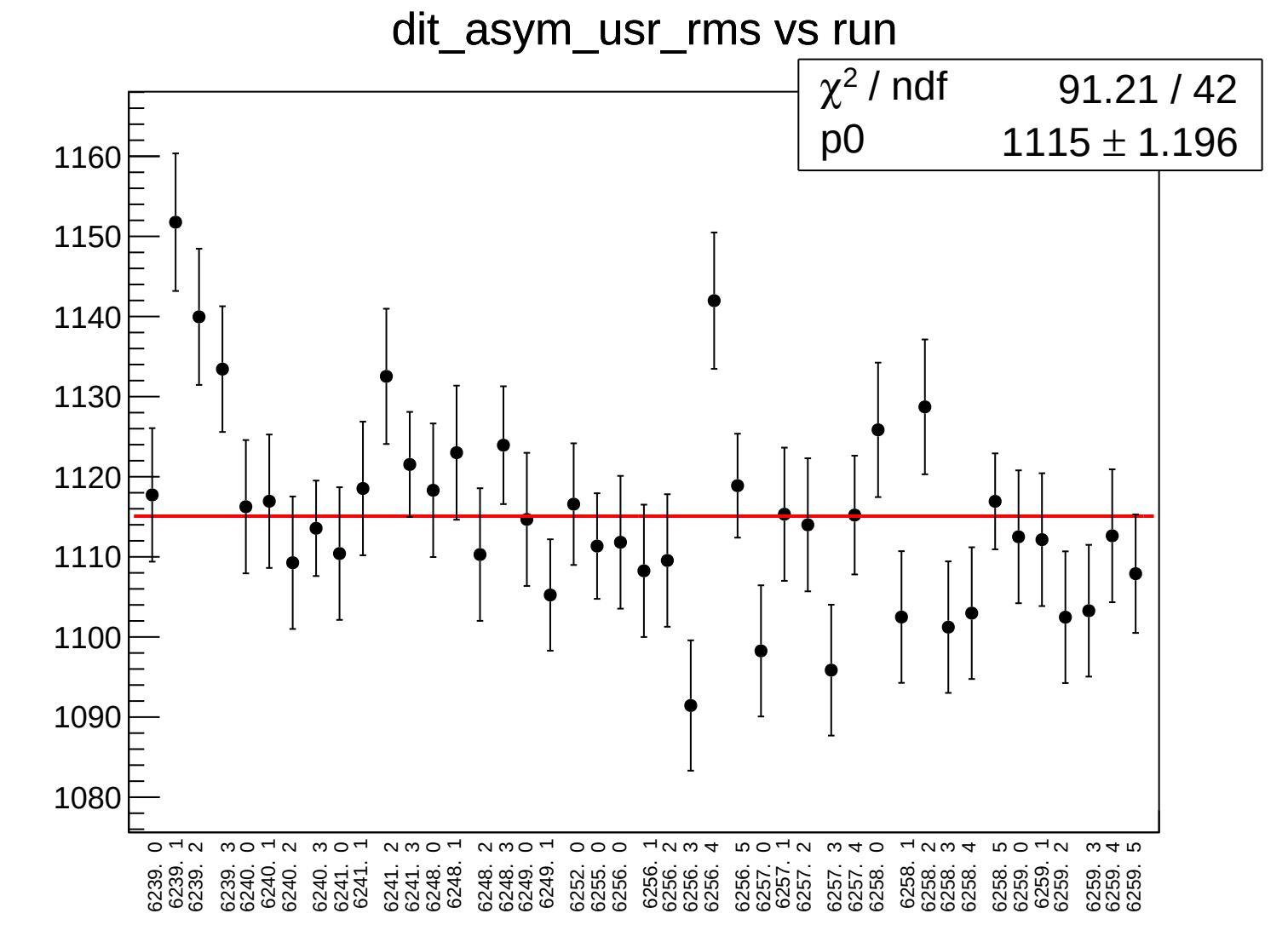

eigen_cor_asym_usr_rms vs run
χ² / ndf 76.66 / 42
p0 1109 ± 1.189
1150
1140
1130
1120
1110
1100
1090
1080
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

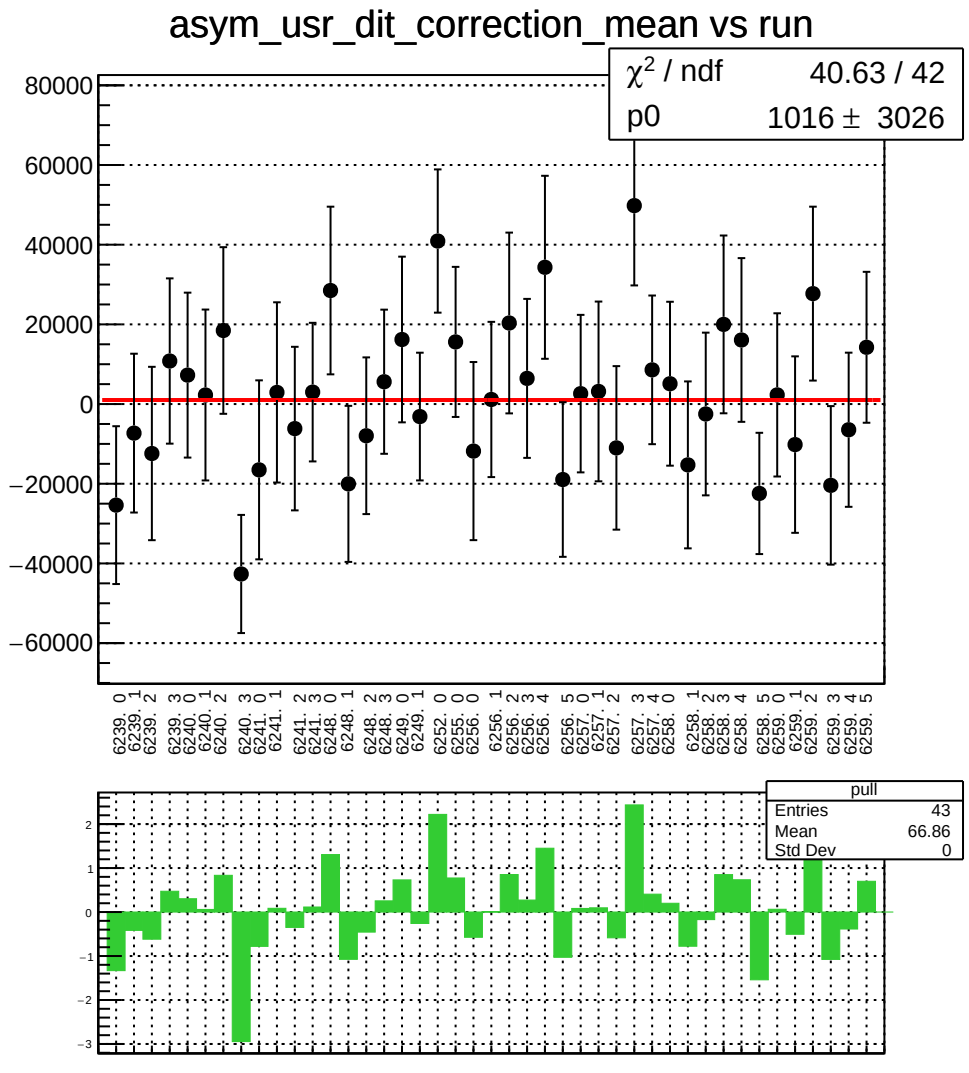

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 41.39 / 42
p0 677.2 ± 2960
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.35
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04128
Std Dev 0.9802
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

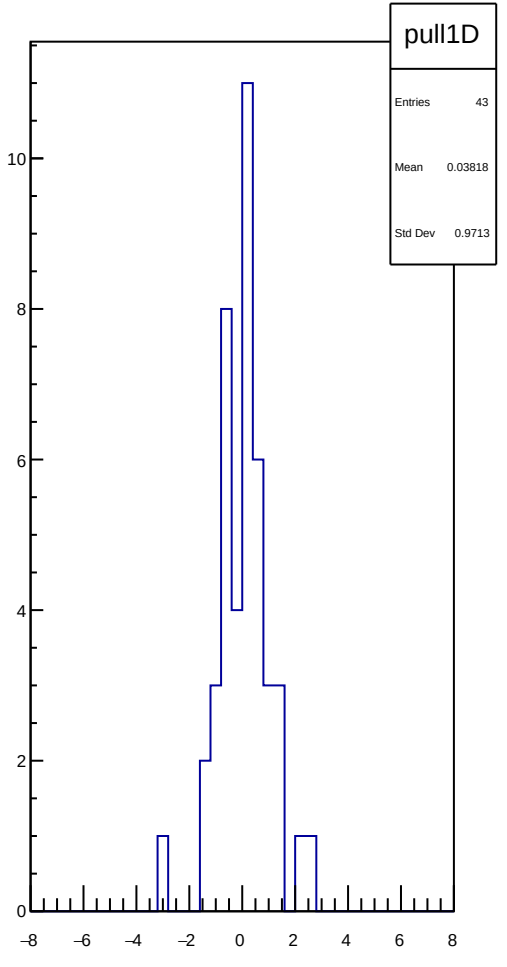

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 3728 / 42
p0 1947 ± 2.093
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

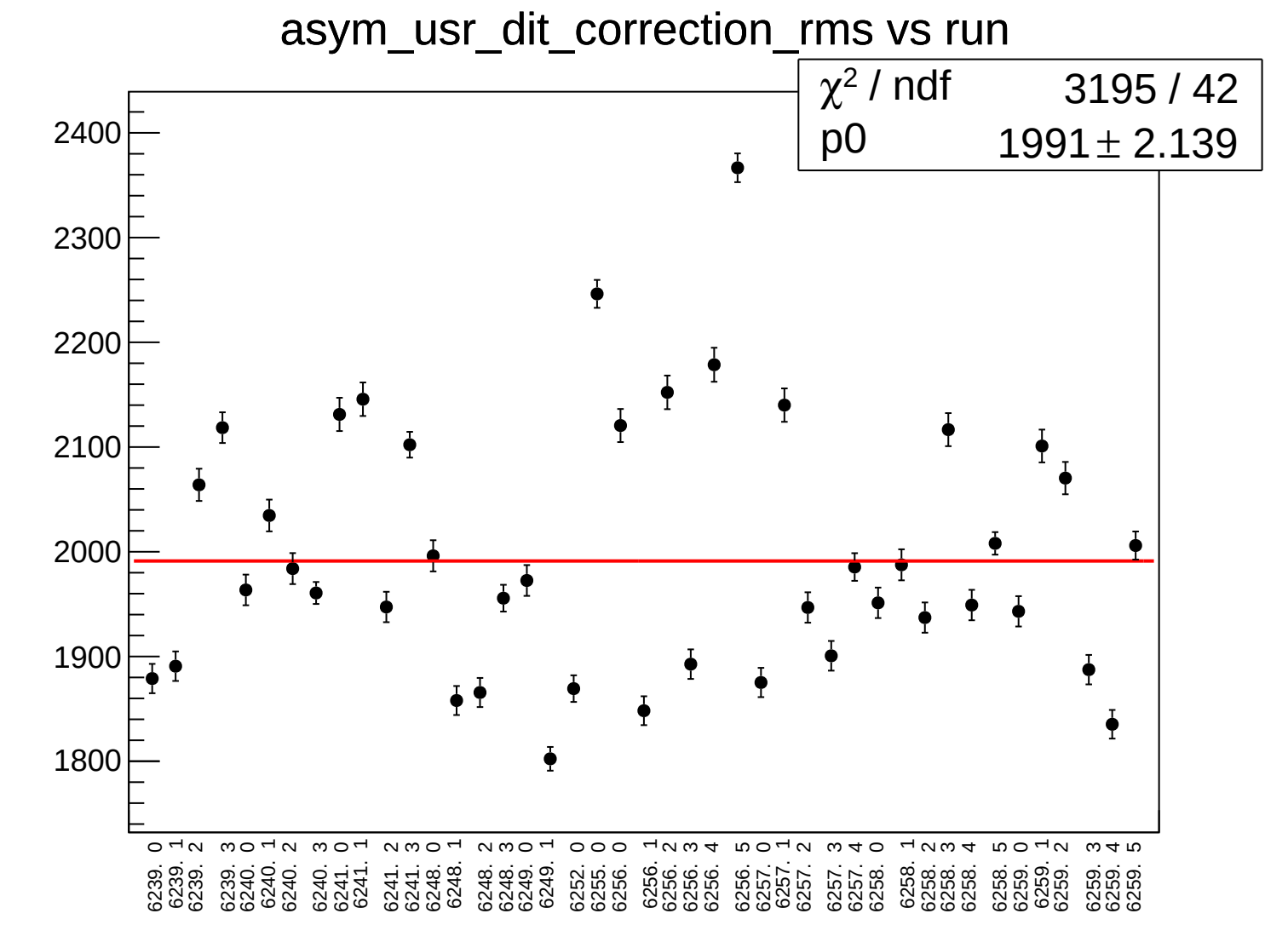

dit_asym_usr_mean vs run
χ² / ndf 39.32 / 42
p0 4575 ± 1691
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −322
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

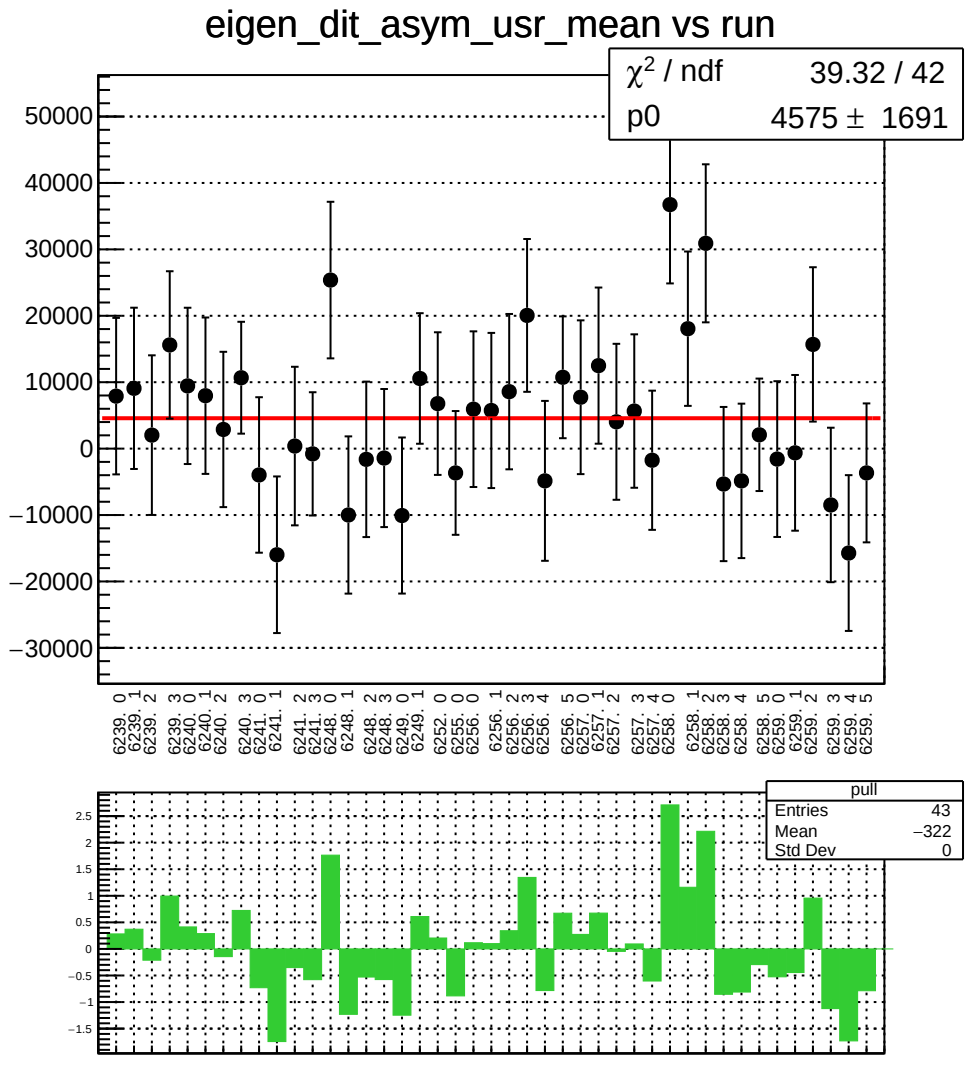

pull1D
Entries 43
Mean 0.001943
Std Dev 0.9562
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

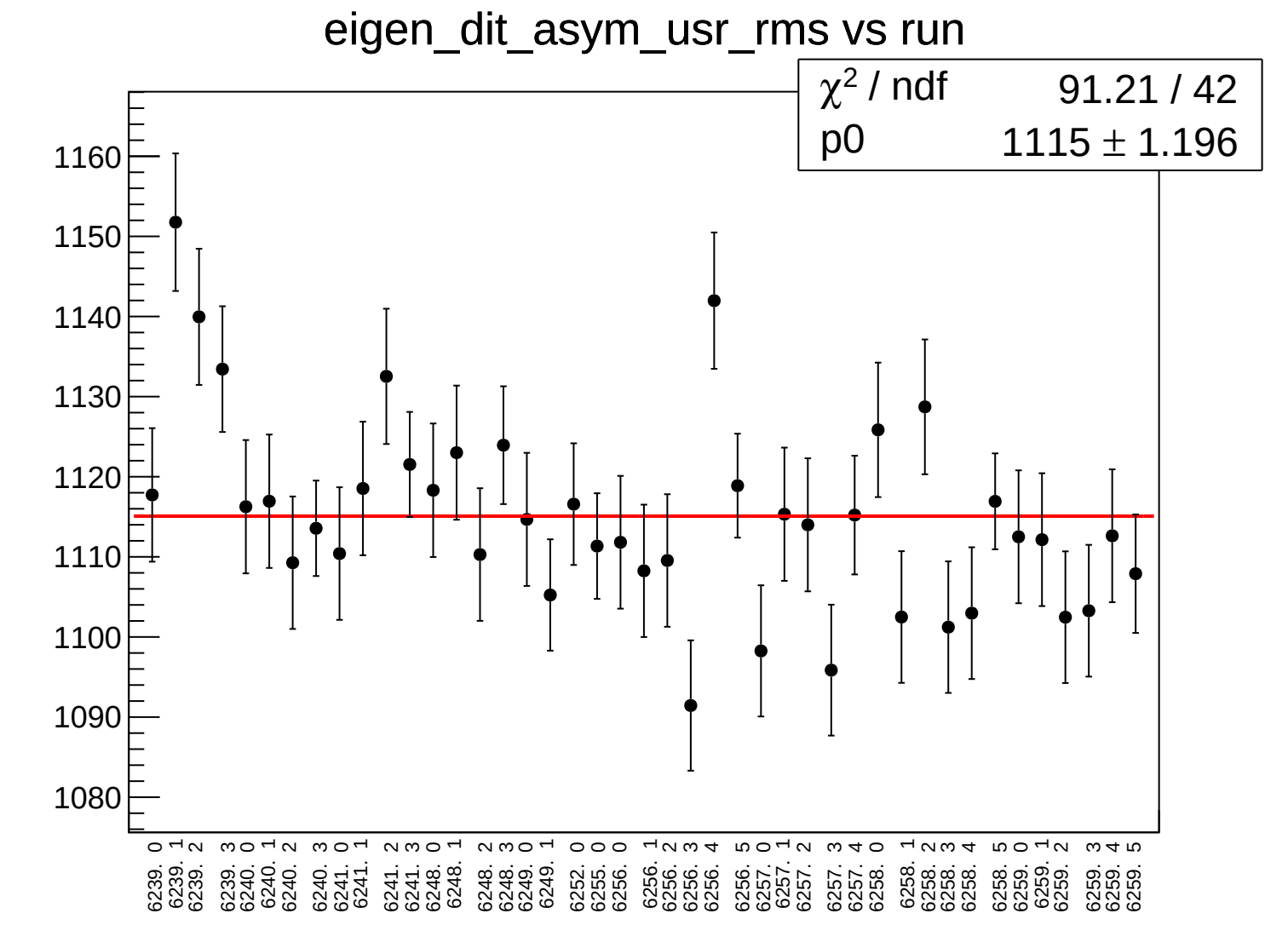

dit_asym_usr_rms vs run
χ² / ndf 91.21 / 42
p0 1115 ± 1.196
1160
1150
1140
1130
1120
1110
1100
1090
1080
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

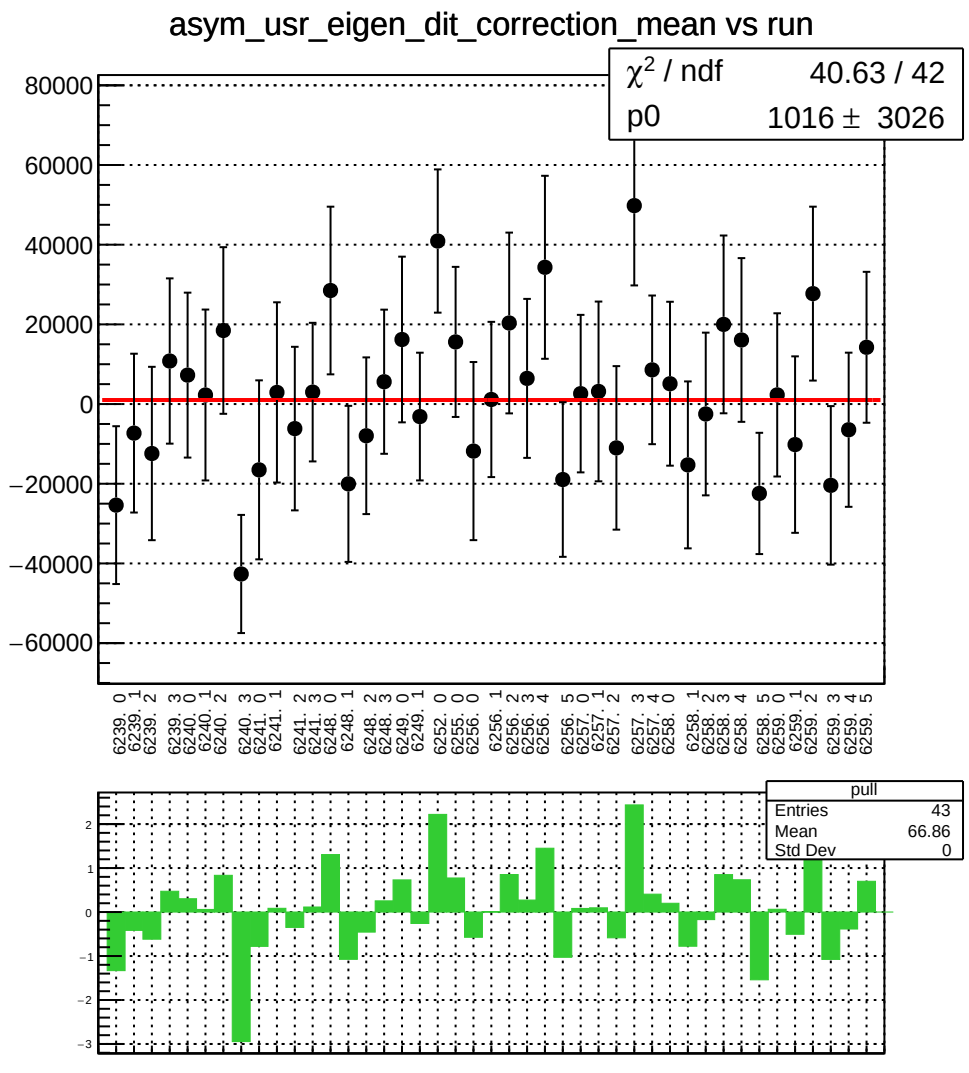

asym_usr_dit_correction_mean vs run
χ² / ndf 40.63 / 42
p0 1016 ± 3026
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 66.86
Std Dev 0
2
1
0
−1
−2
−3

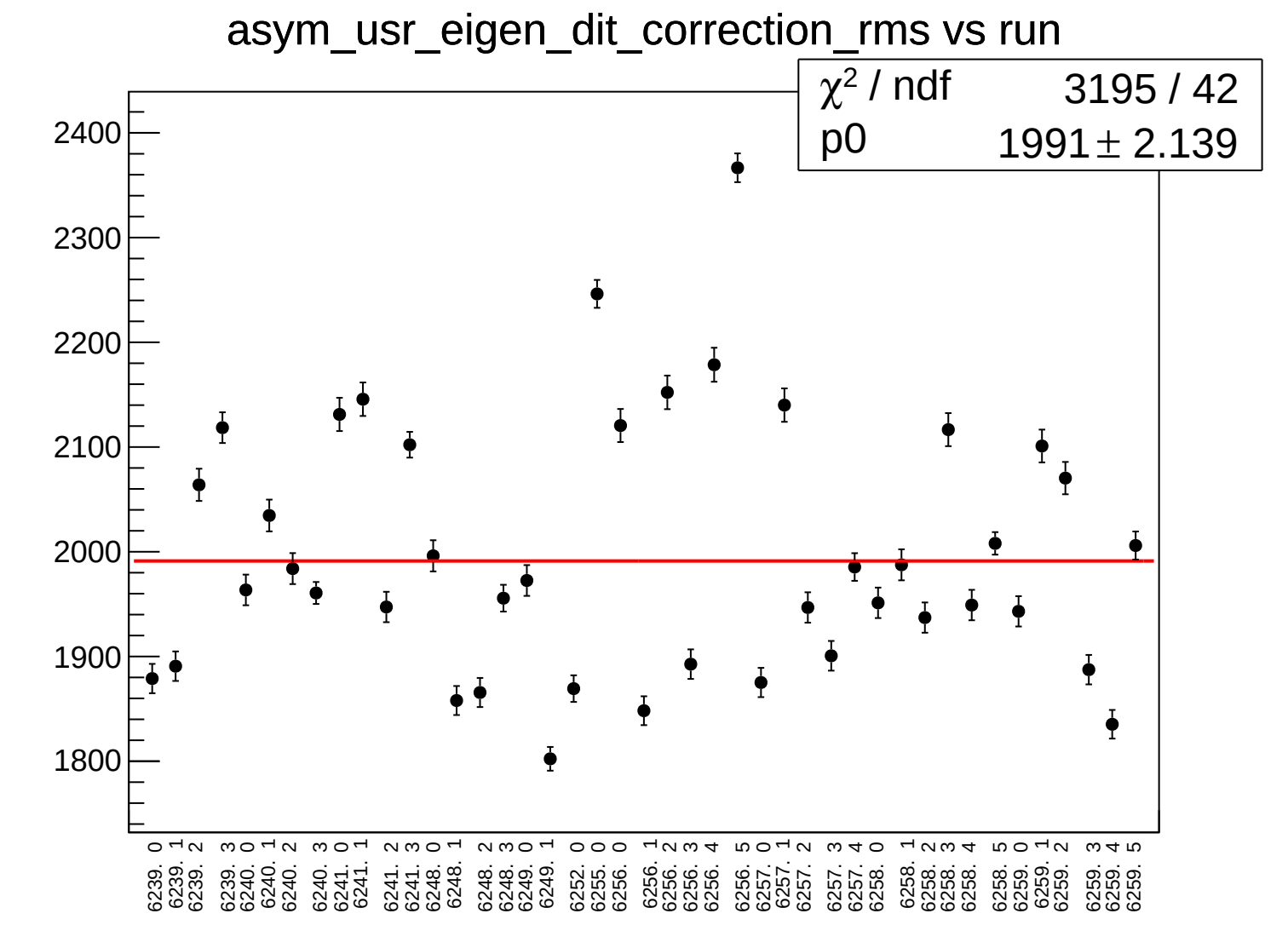

pull1D
Entries 43
Mean 0.03818
Std Dev 0.9713
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

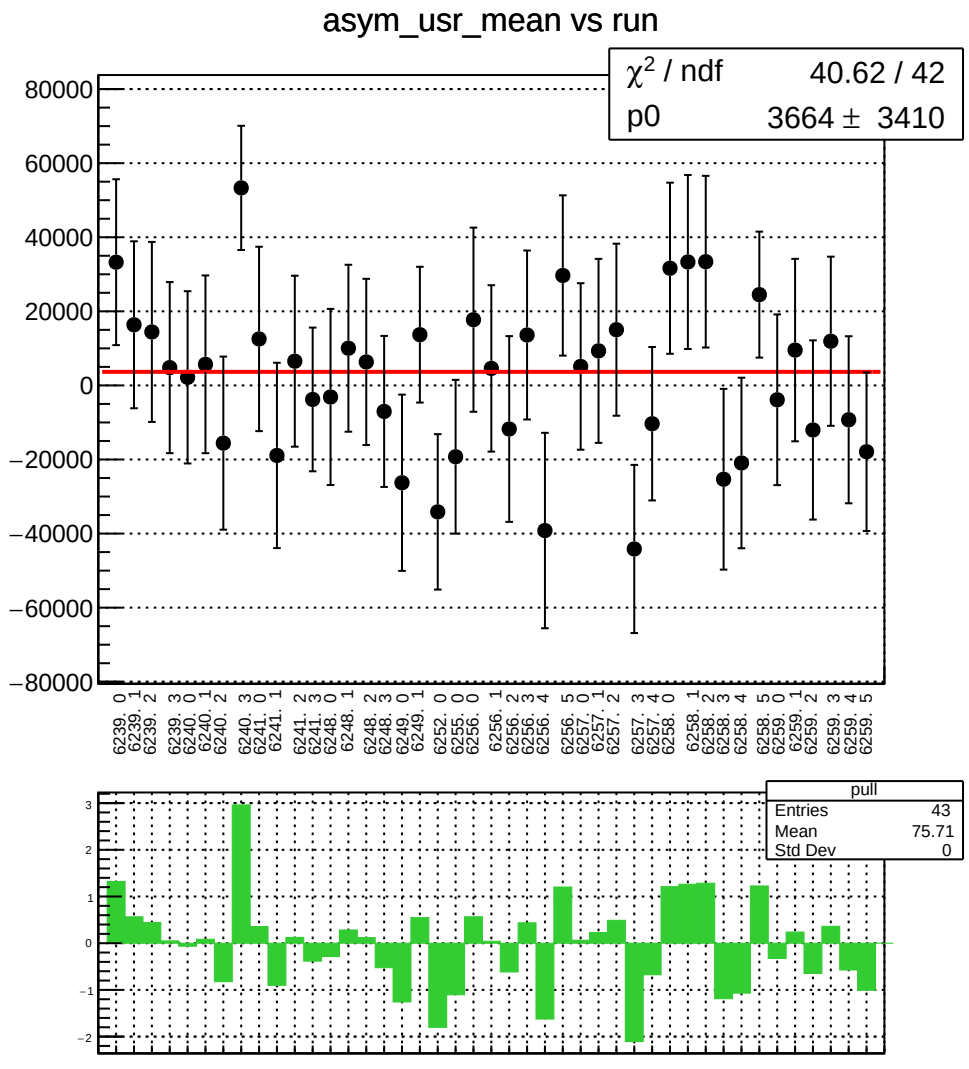

asym_usr_dit_correction_rms vs run
χ² / ndf 3195 / 42
p0 1991 ± 2.139
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

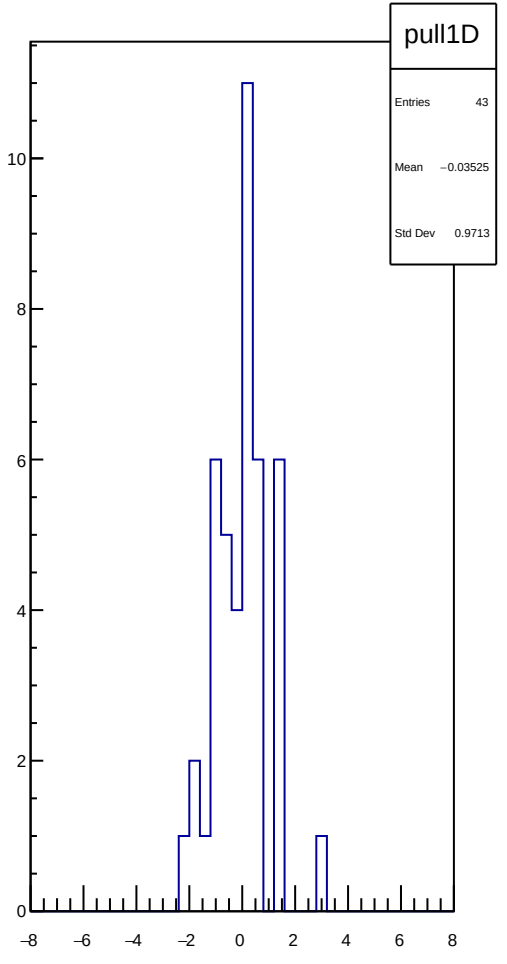

eigen_dit_asym_usr_mean vs run
χ² / ndf 39.32 / 42
p0 4575 ± 1691
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −322
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.001943
Std Dev 0.9562
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

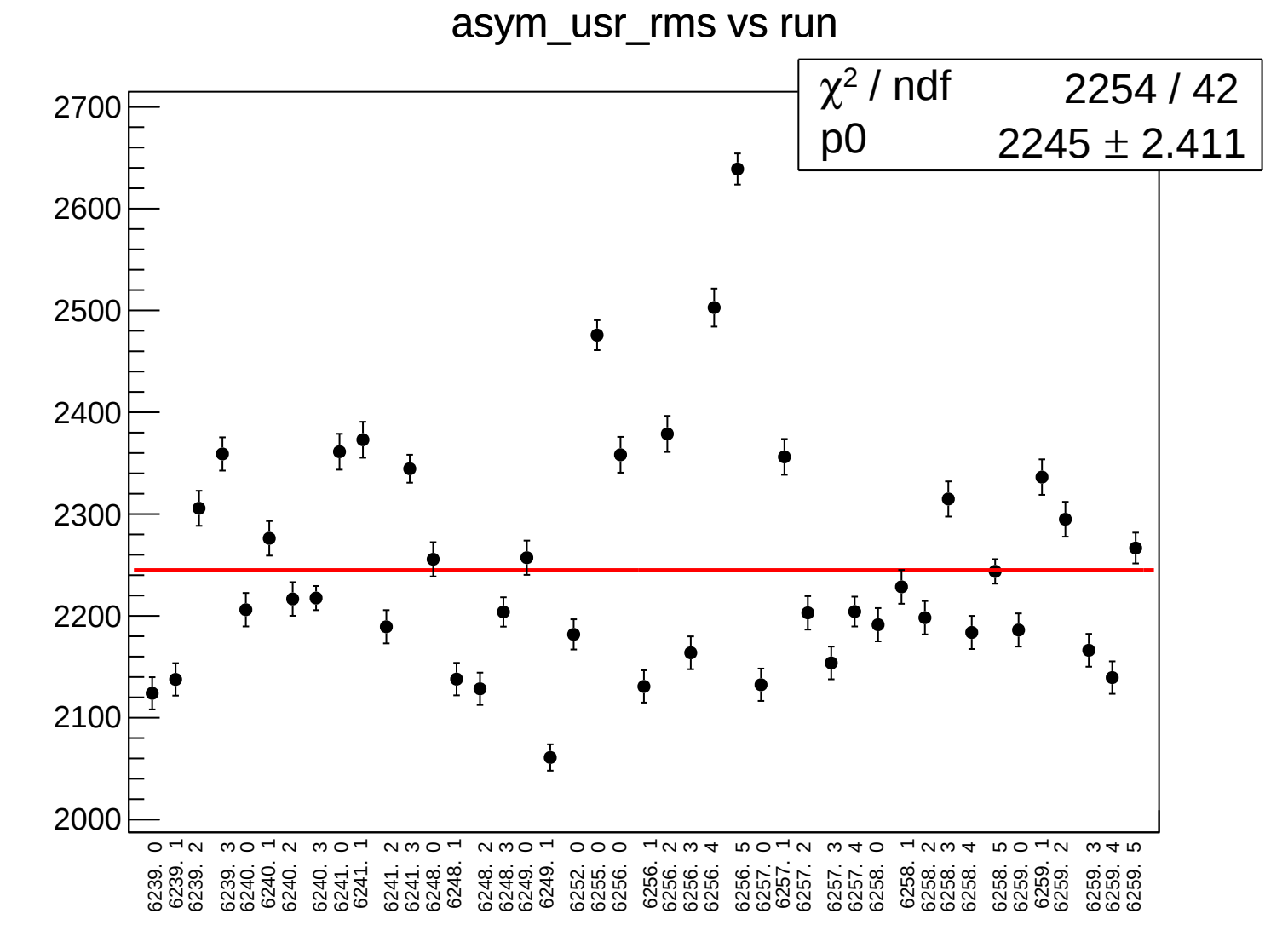

eigen_dit_asym_usr_rms vs run
χ² / ndf 91.21 / 42
p0 1115 ± 1.196
1160
1150
1140
1130
1120
1110
1100
1090
1080
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

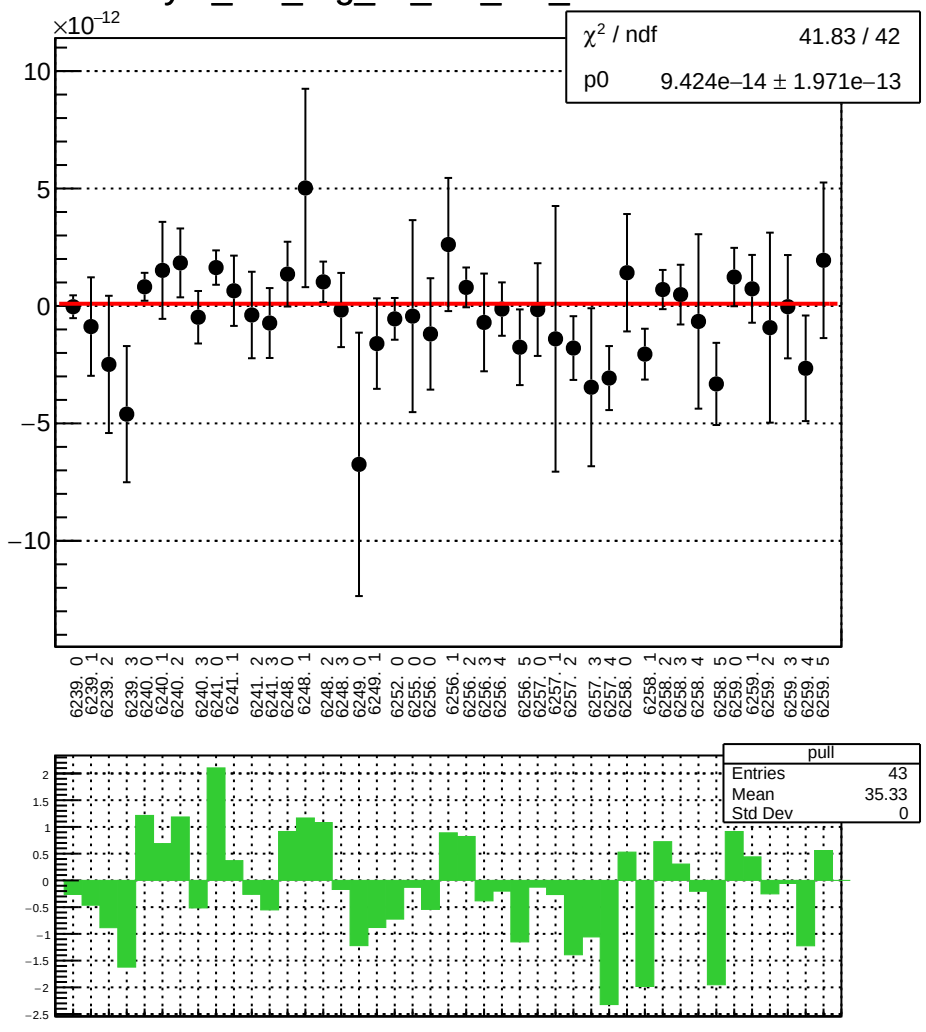

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 40.63 / 42
p0 1016 ± 3026
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 66.86
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03818
Std Dev 0.9713
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

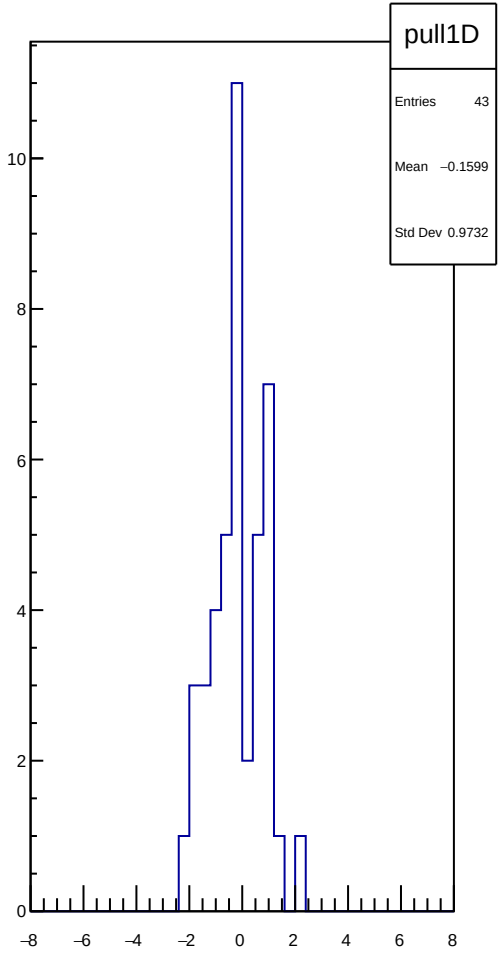

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 3195 / 42
p0 1991 ± 2.139
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

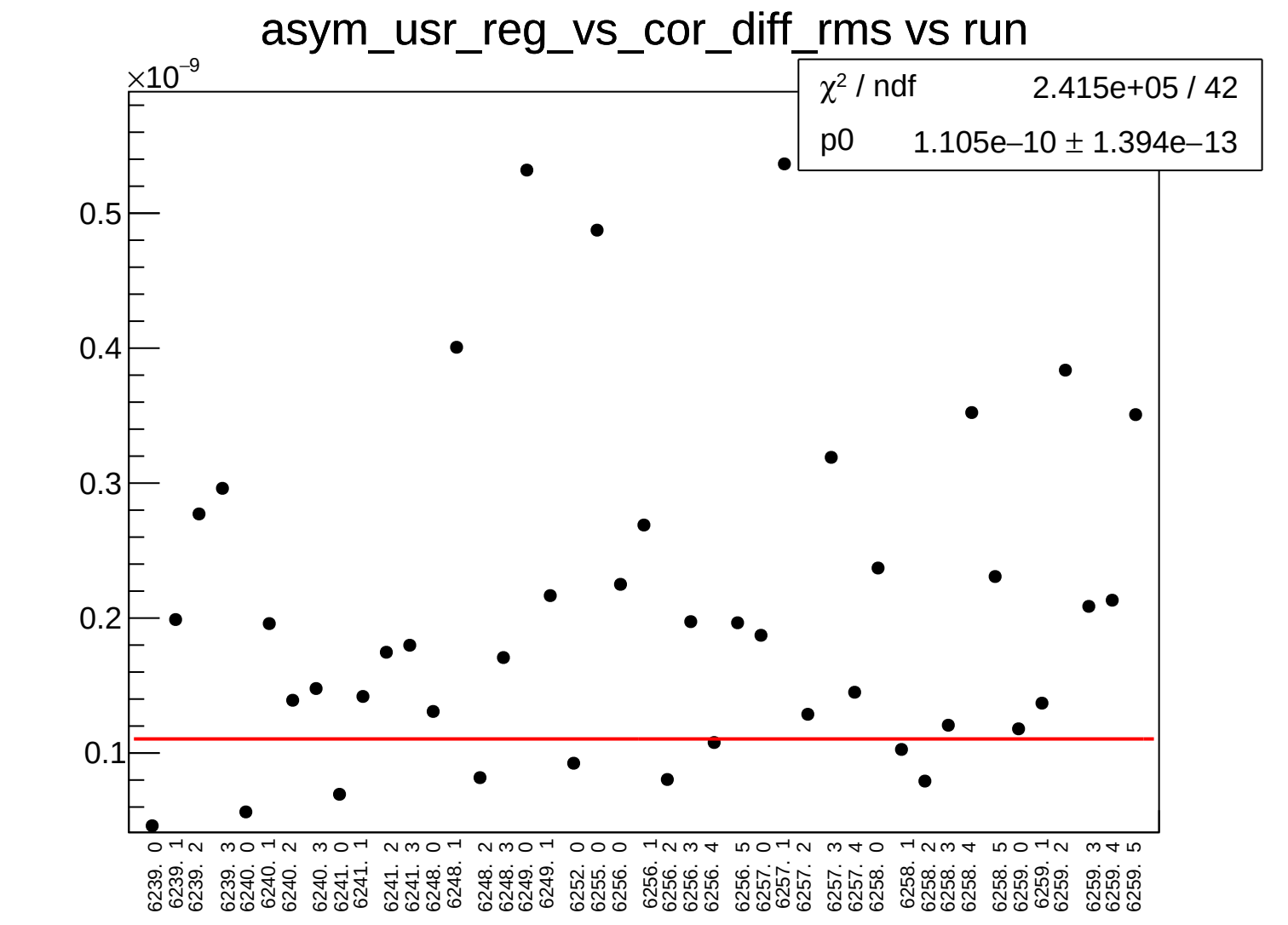

asym_usr_mean vs run
χ² / ndf 40.62 / 42
p0 3664 ± 3410
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.71
Std Dev 0
3
2
1
0
−1
−2

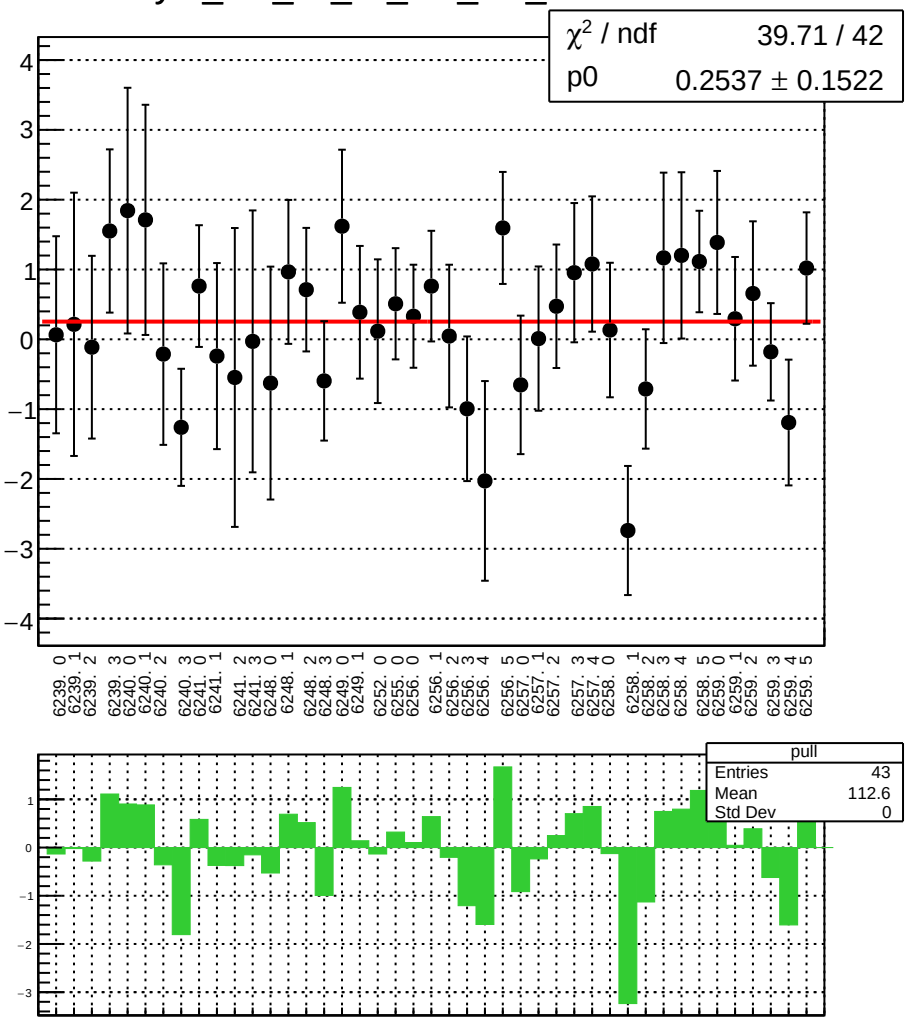

pull1D
Entries 43
Mean −0.03525
Std Dev 0.9713
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

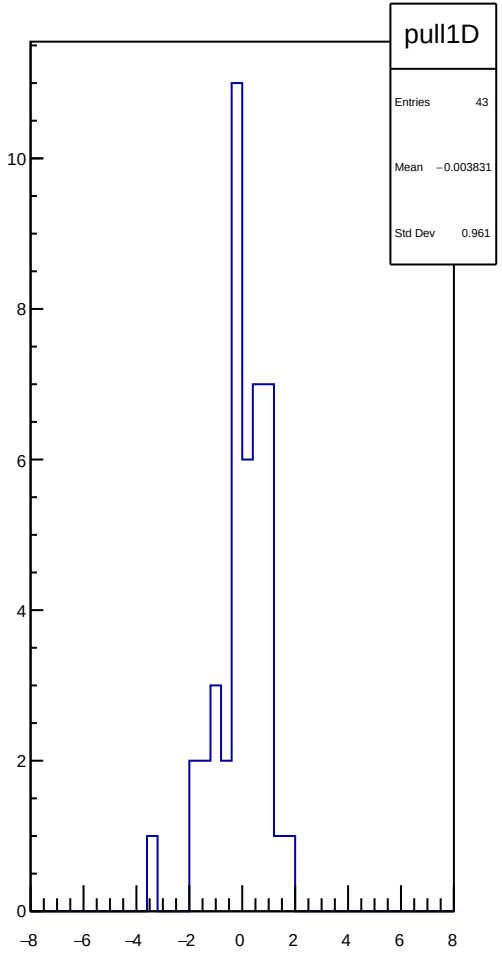

asym_usr_rms vs run
χ² / ndf 2254 / 42
p0 2245 ± 2.411
2700
2600
2500
2400
2300
2200
2100
2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

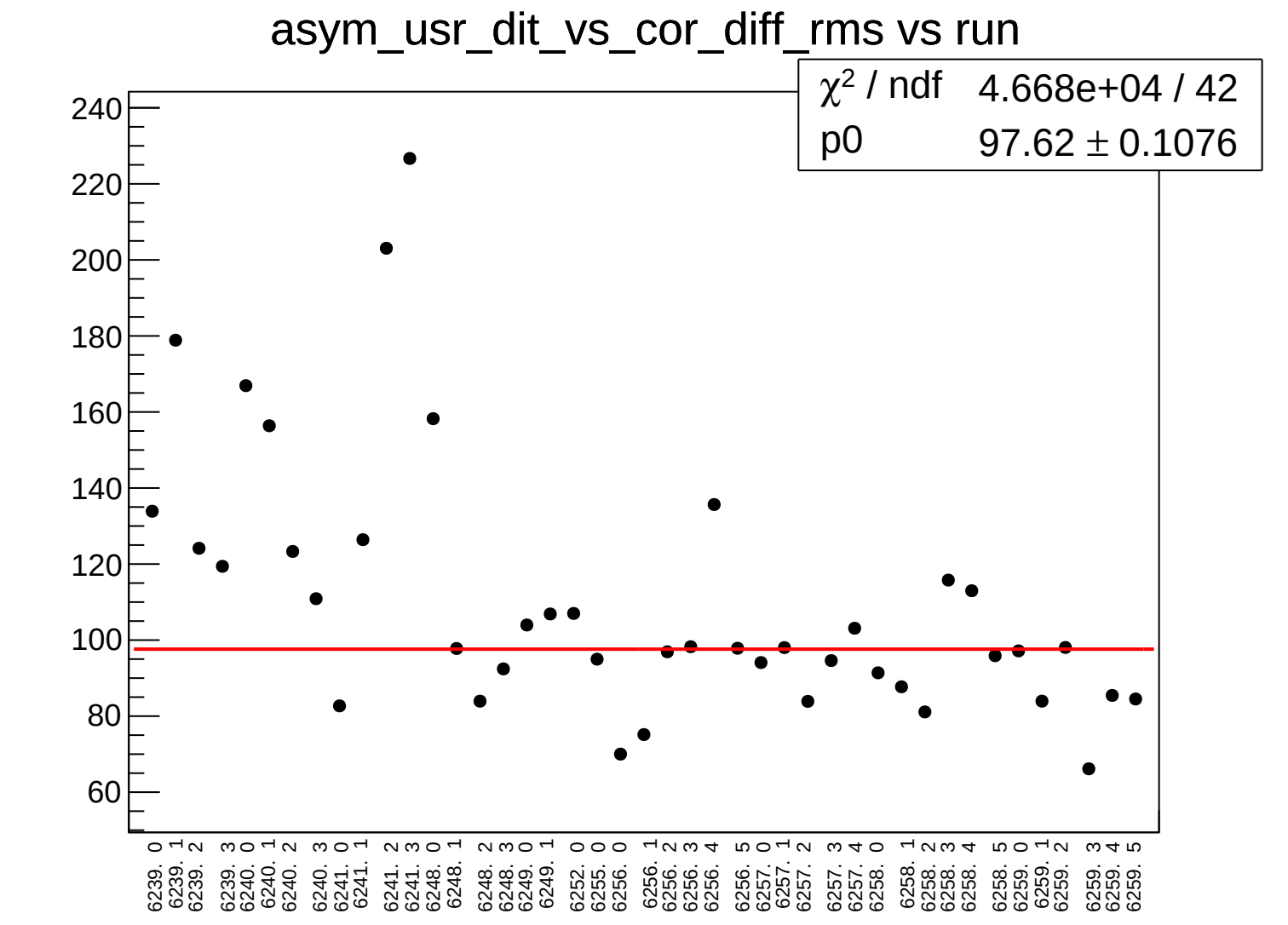

asym_usr_reg_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.83 / 42
p0 9.424e−14 ± 1.971e−13
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

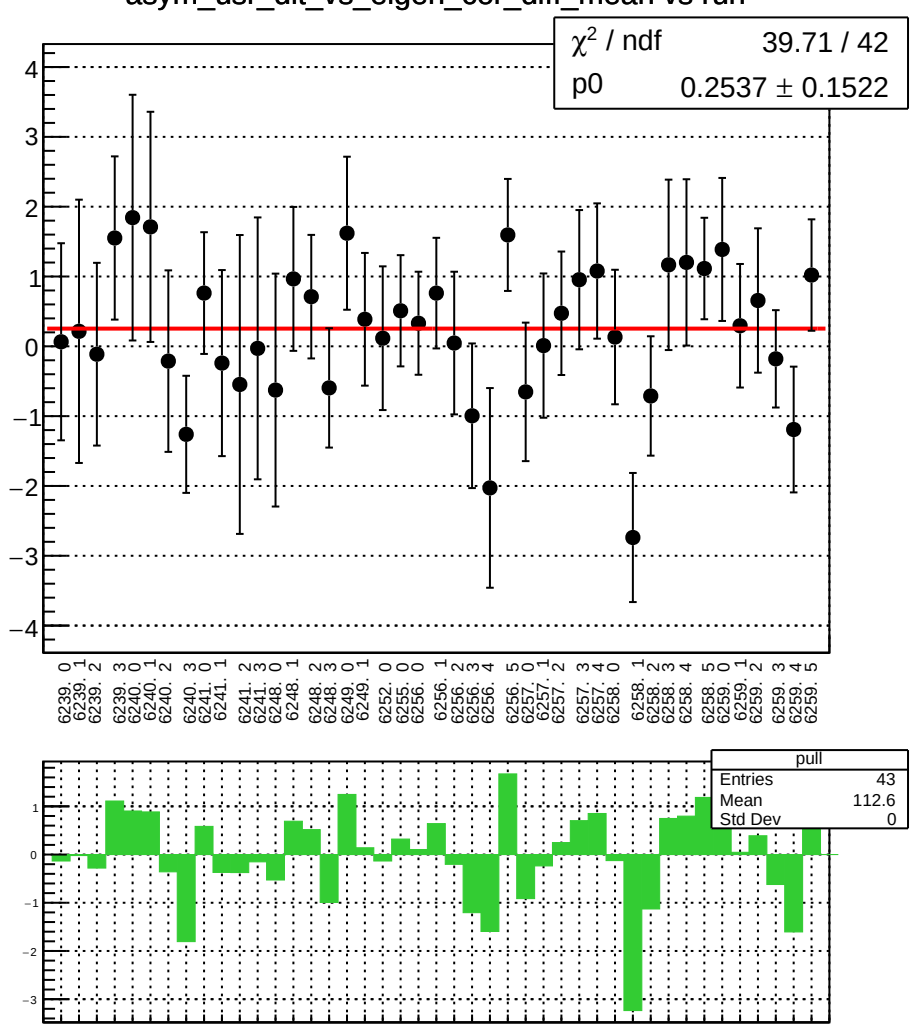

pull1D
Entries 43
Mean −0.1599
Std Dev 0.9732
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

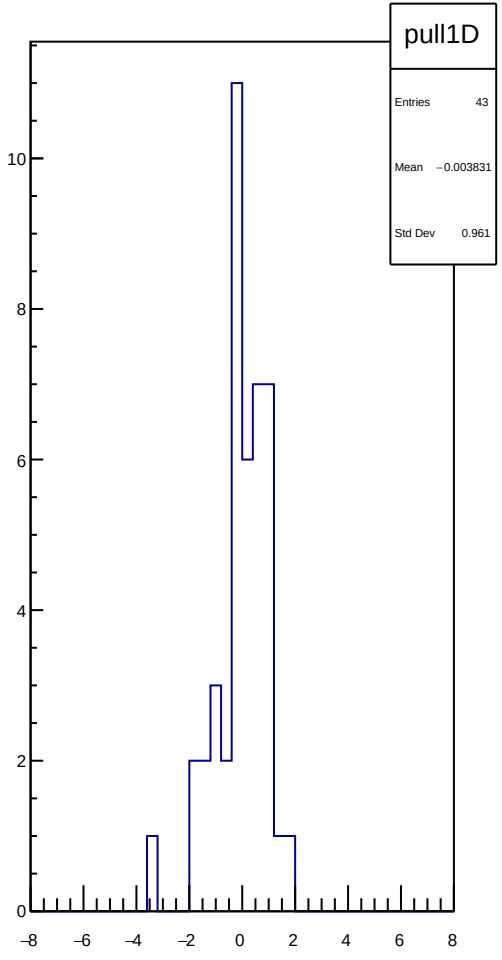

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.415e+05 / 42
p0 1.105e−10 ± 1.394e−13
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

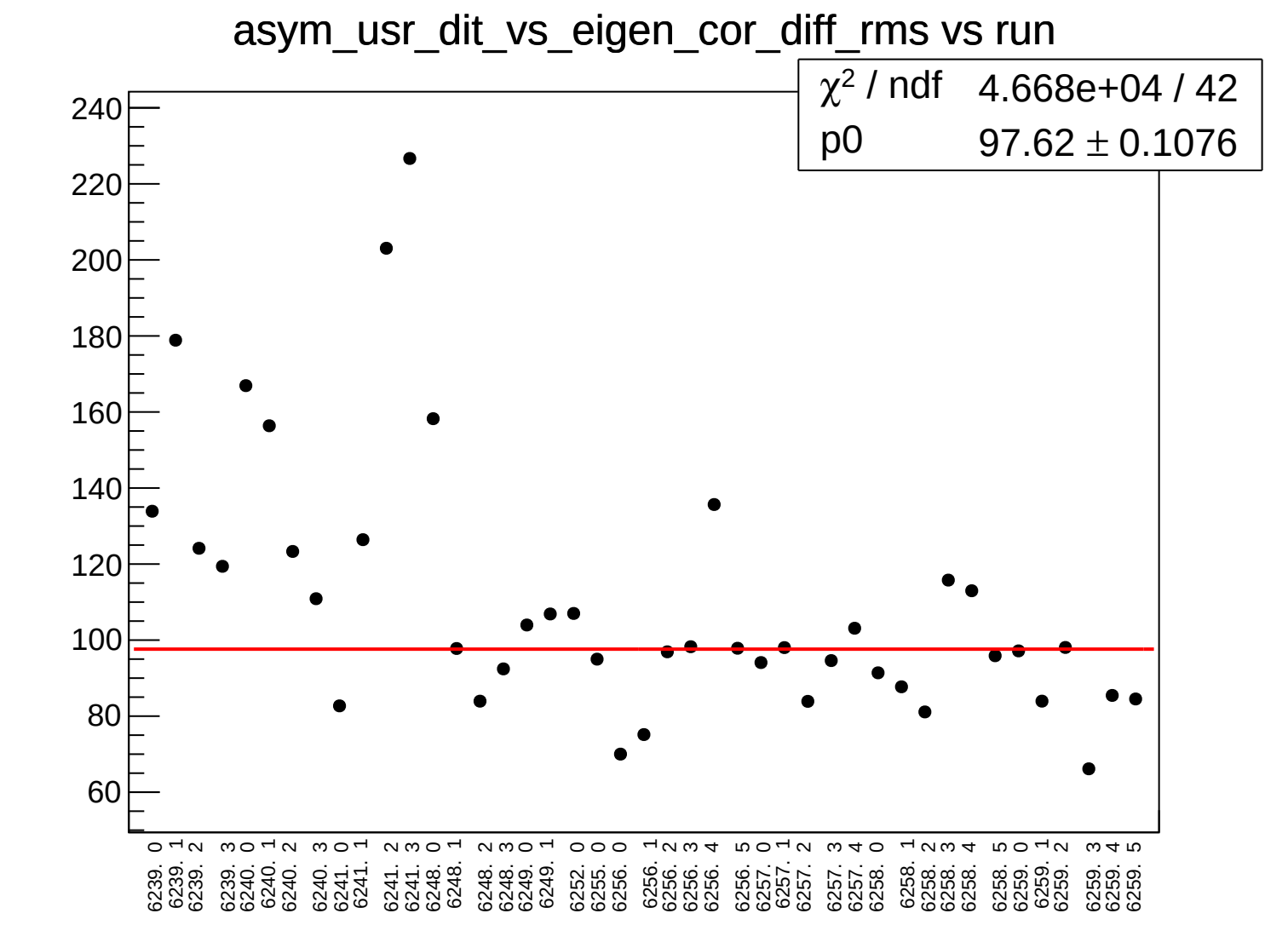

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 39.71 / 42
p0 0.2537 ± 0.1522
pull
Entries 43
Mean 112.6
Std Dev 0

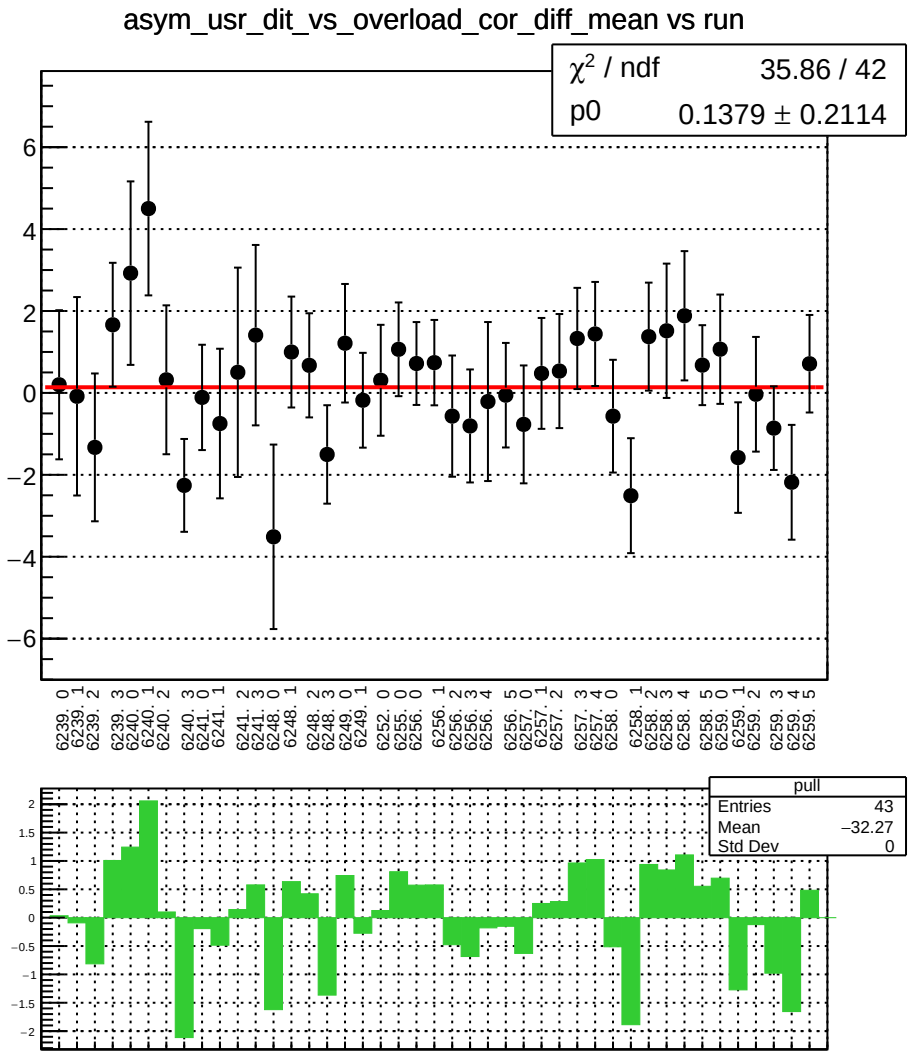

pull1D
Entries 43
Mean −0.003831
Std Dev 0.961

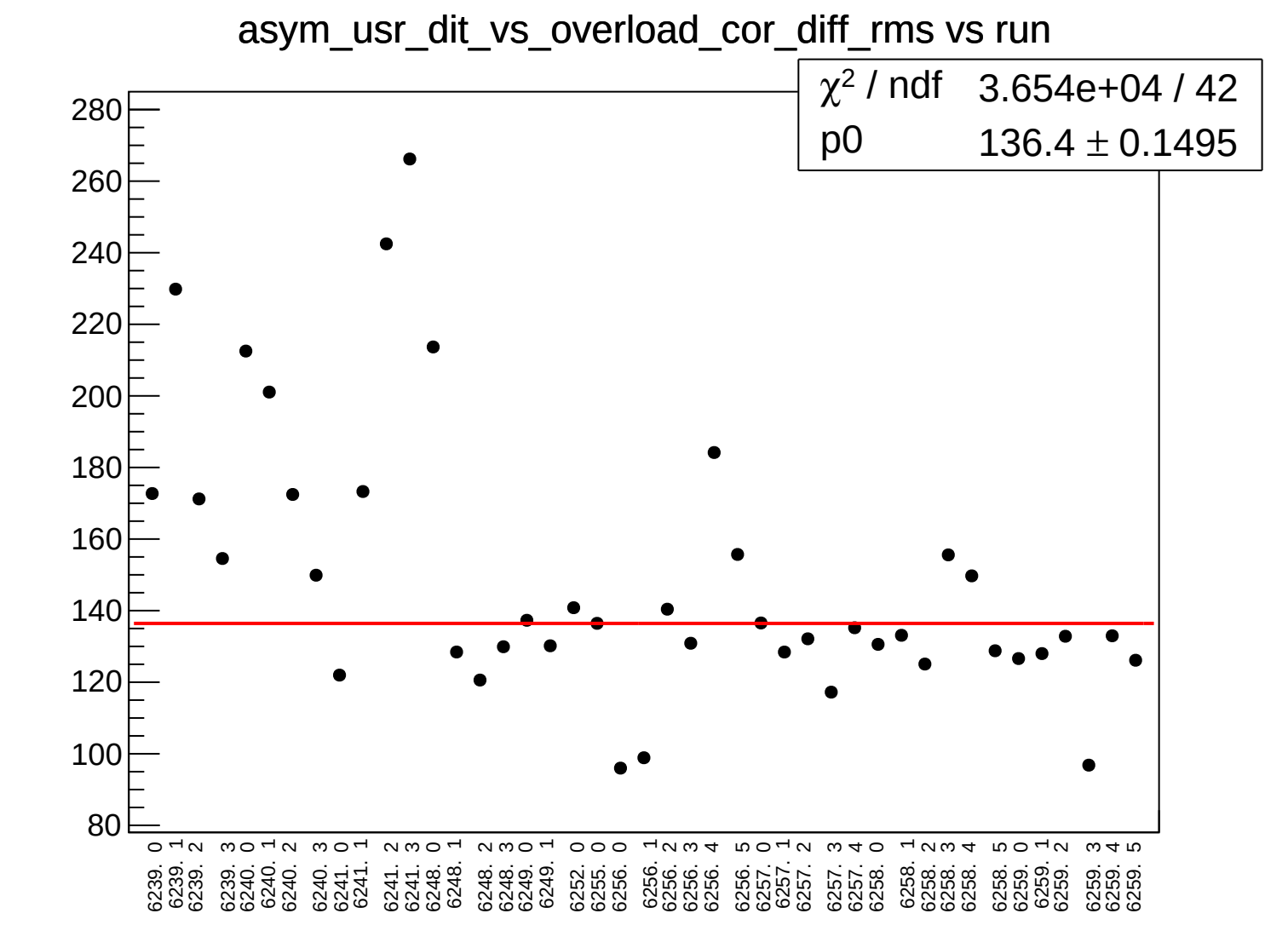

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 4.668e+04 / 42
p0 97.62 ± 0.1076
240
220
200
180
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

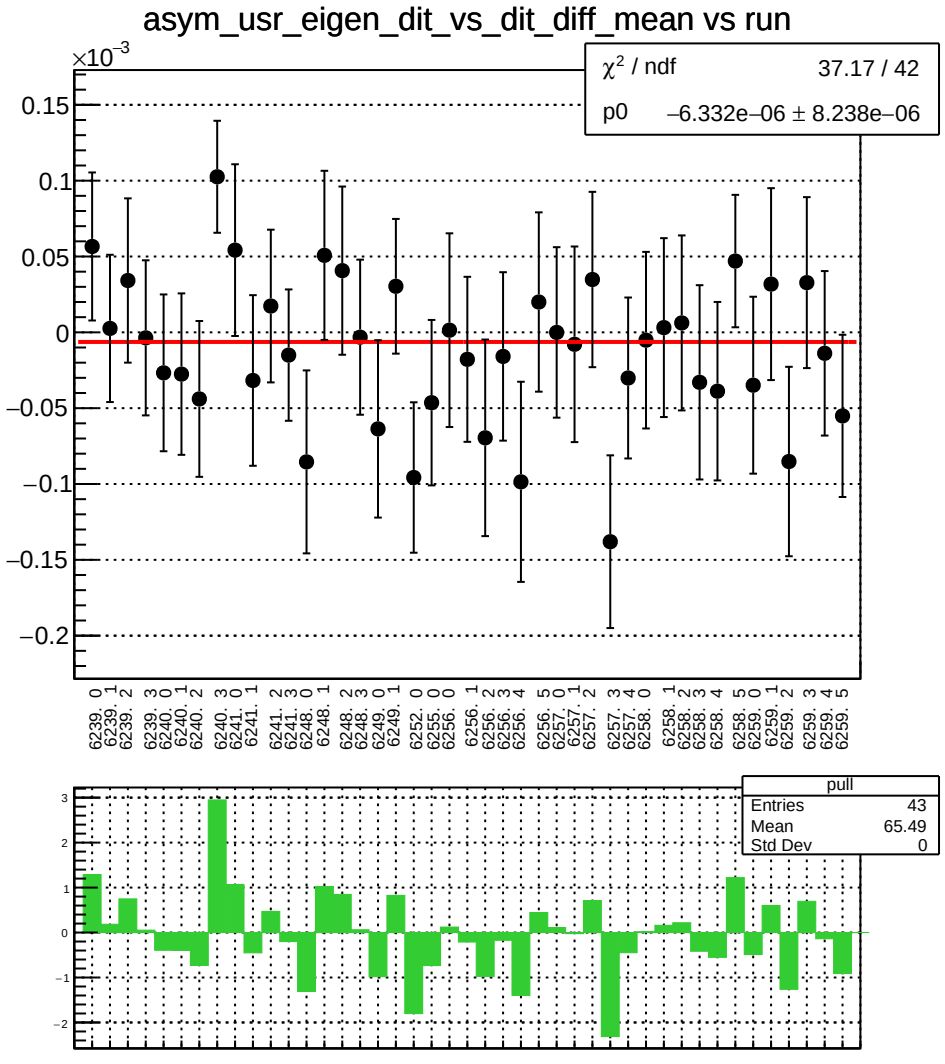

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.71 / 42
p0 0.2537 ± 0.1522
pull
Entries 43
Mean 112.6
Std Dev 0

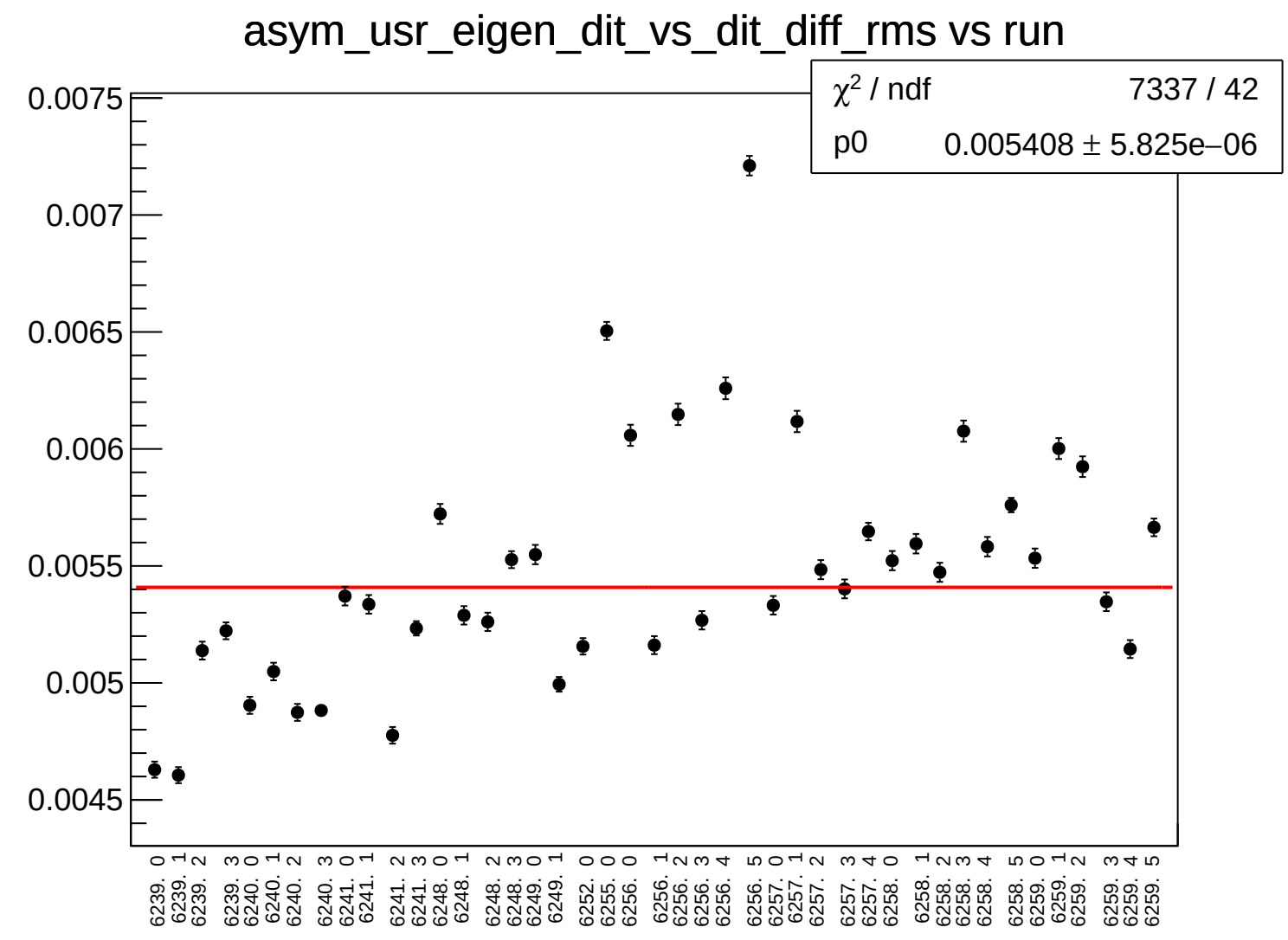

pull1D
Entries 43
Mean −0.003831
Std Dev 0.961

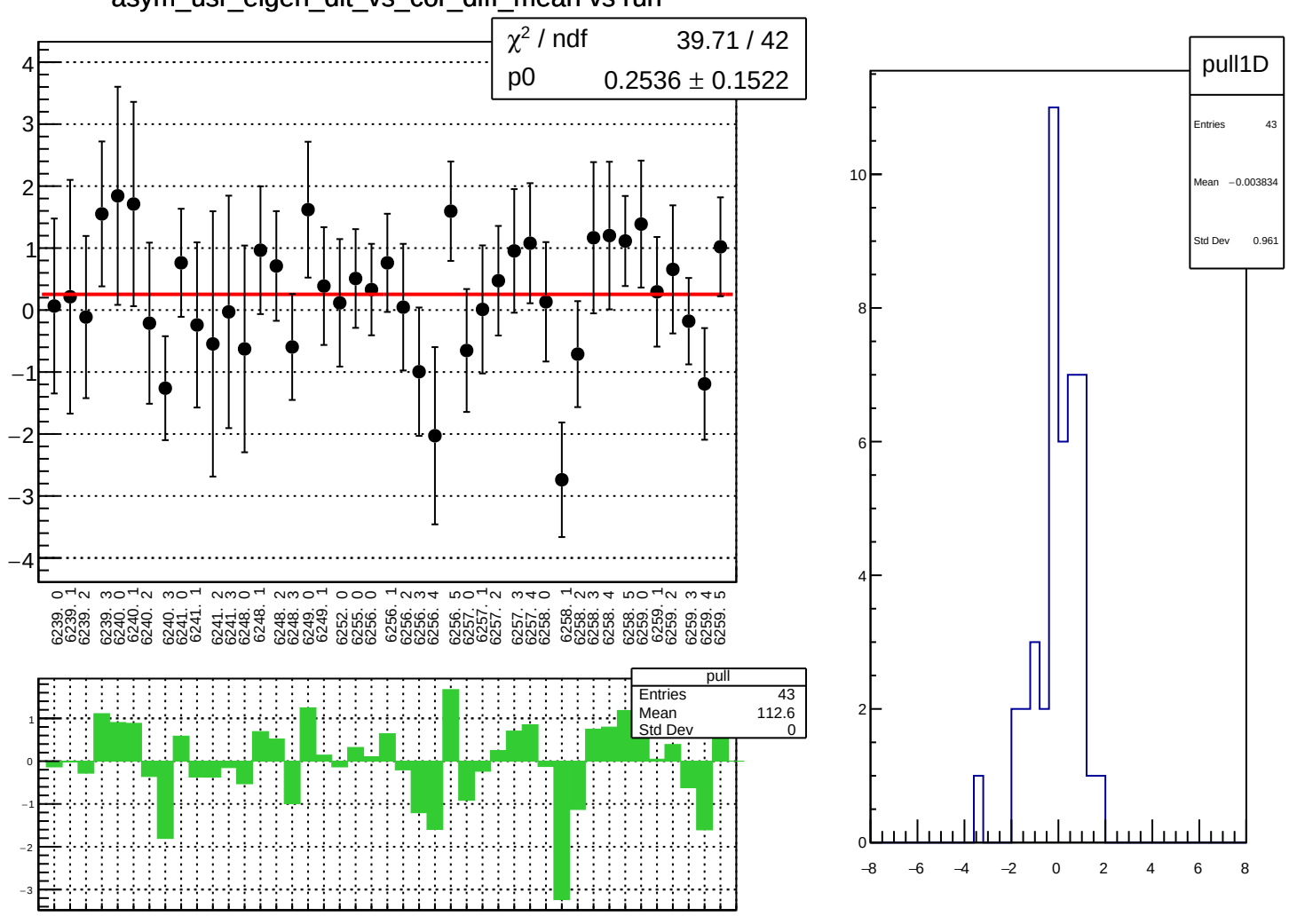

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.668e+04 / 42
p0 97.62 ± 0.1076
240
220
200
180
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

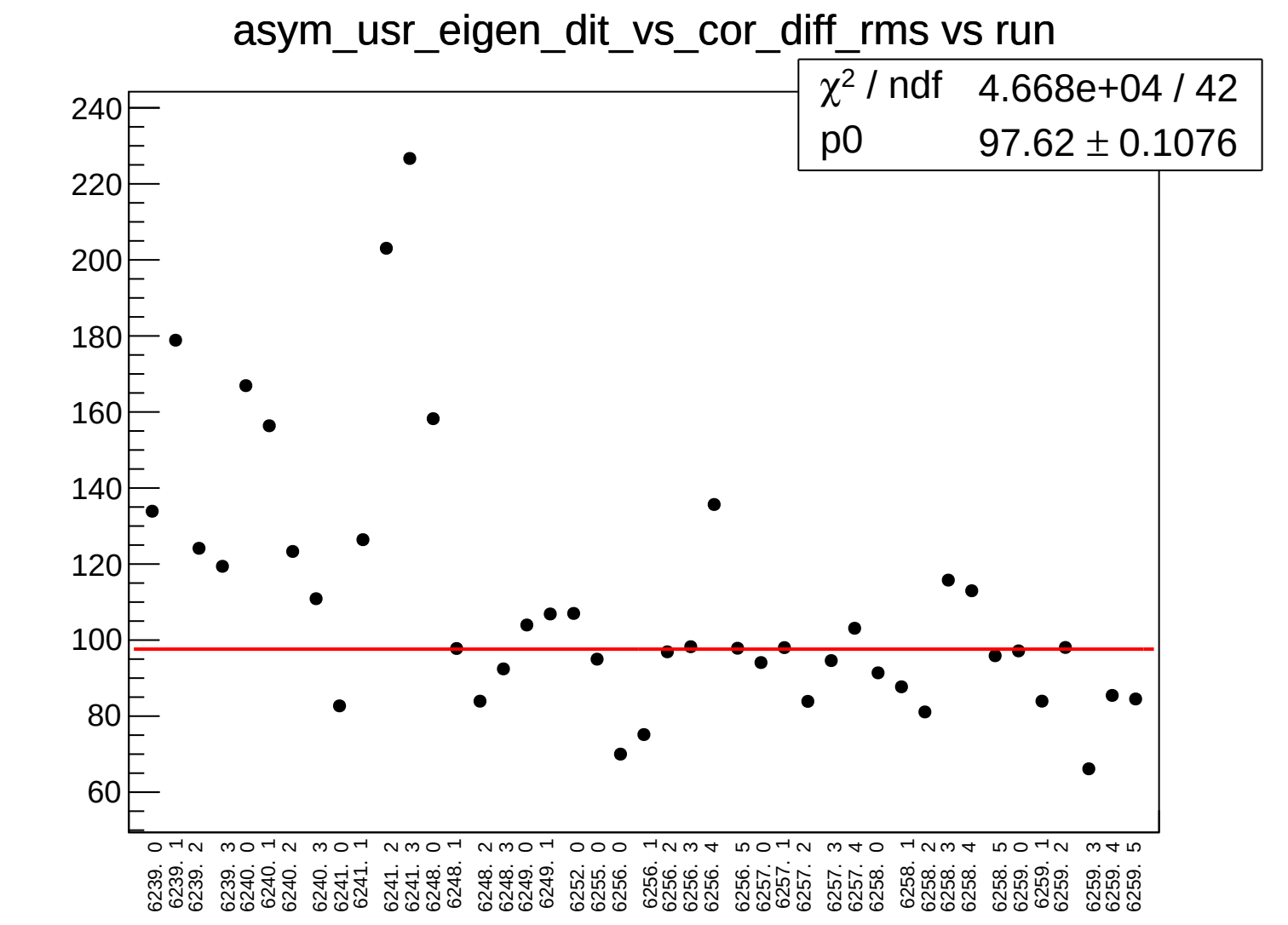

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 35.86 / 42
p0 0.1379 ± 0.2114
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −32.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01596
Std Dev 0.9131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.654e+04 / 42
p0 136.4 ± 0.1495
280
260
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

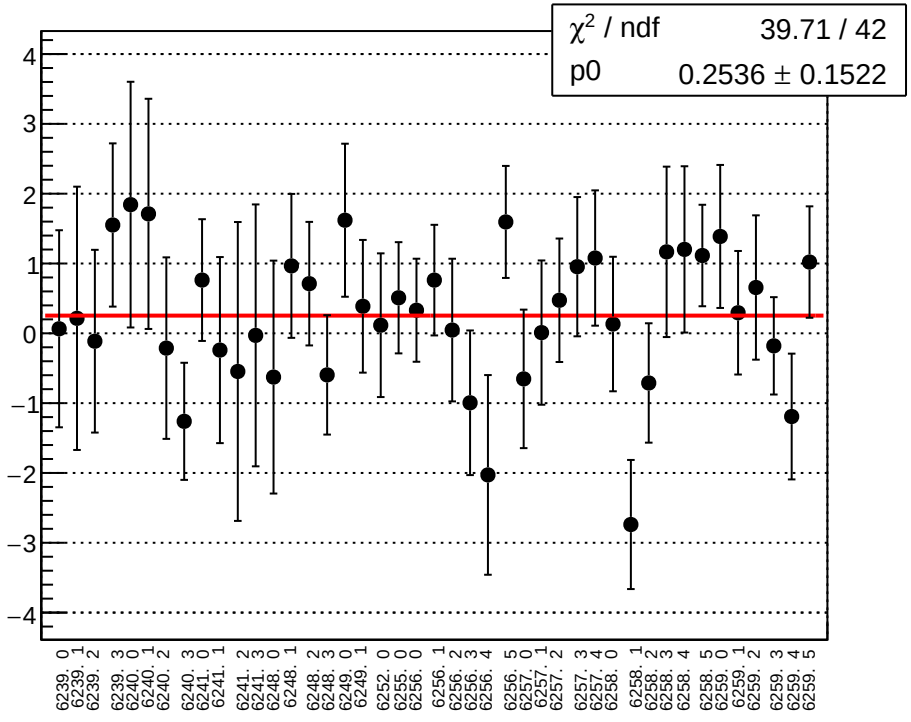

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 37.17 / 42
p0 −6.332e−06 ± 8.238e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.49
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05778
Std Dev 0.928
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

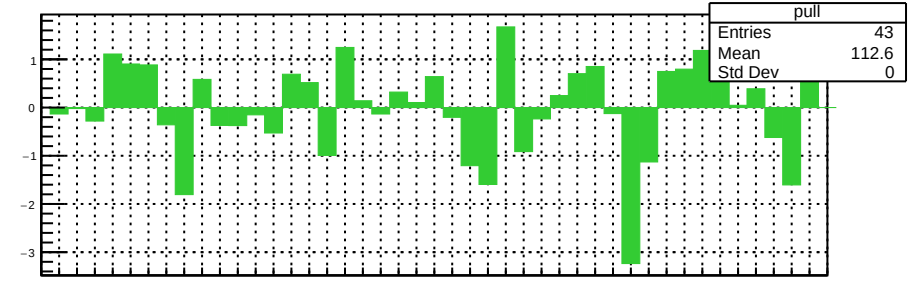

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7337 / 42
p0 0.005408 ± 5.825e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

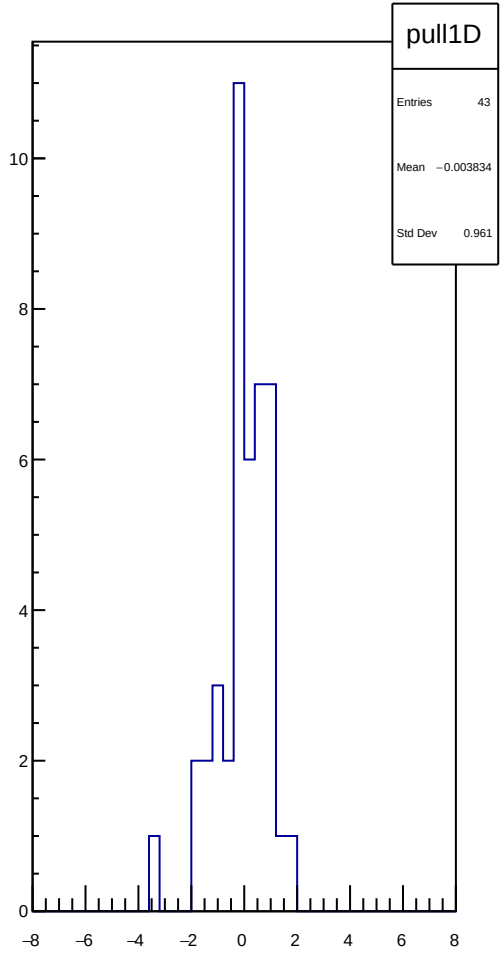

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.71 / 42
p0 0.2536 ± 0.1522
pull
Entries 43
Mean 112.6
Std Dev 0
pull1D
Entries 43
Mean −0.003834
Std Dev 0.961

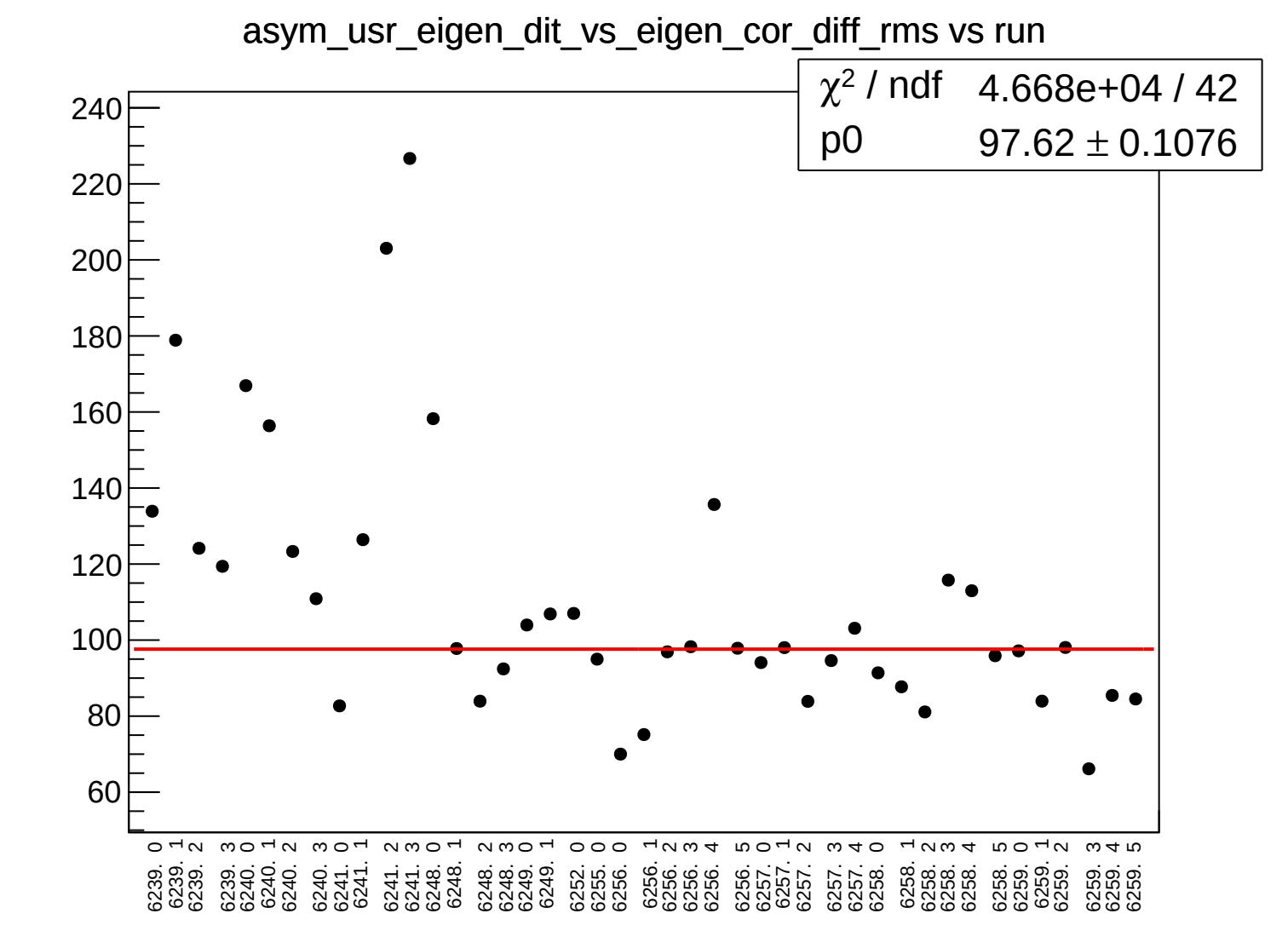

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.668e+04 / 42
p0 97.62 ± 0.1076
240
220
200
180
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

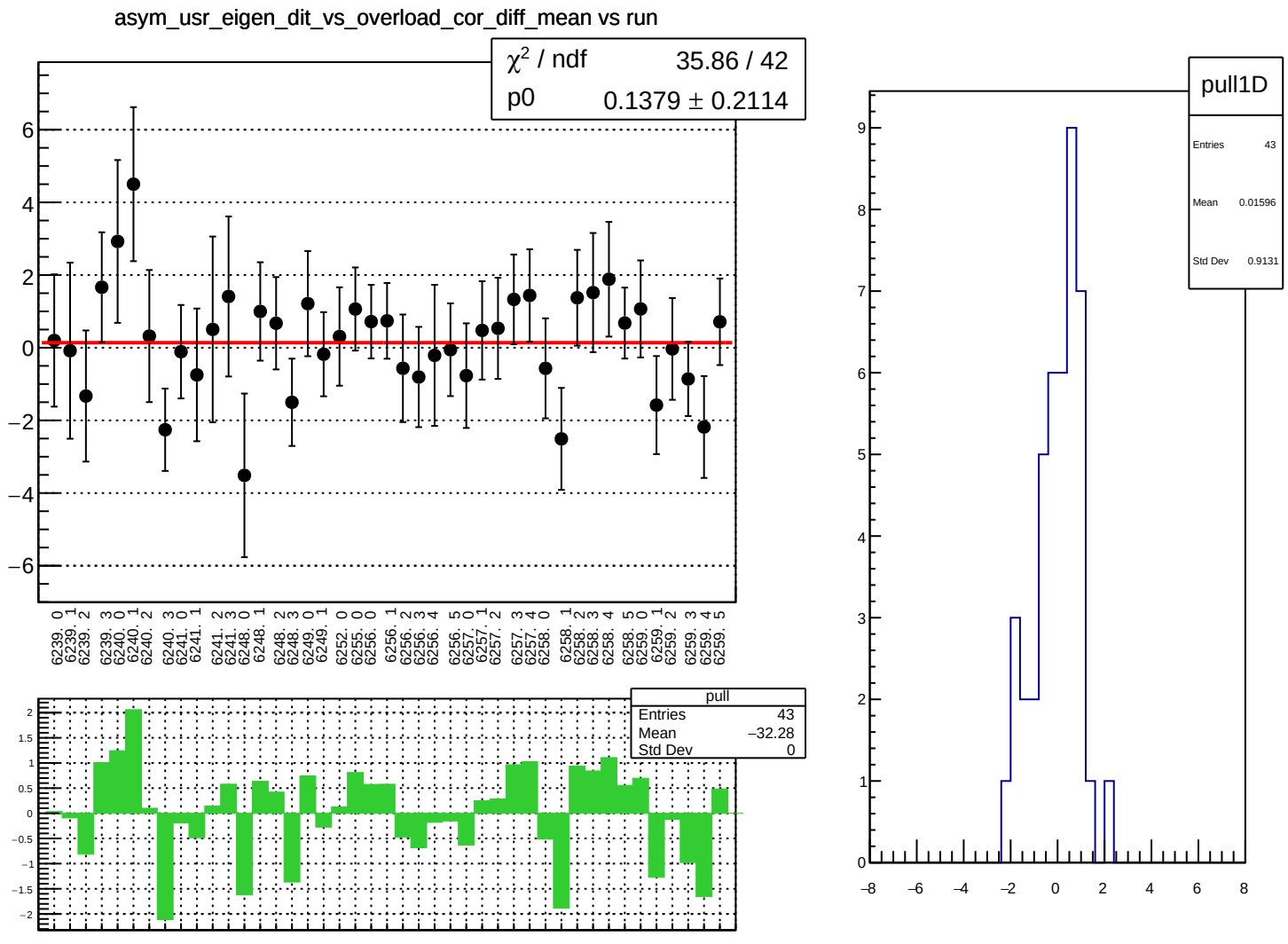
asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run

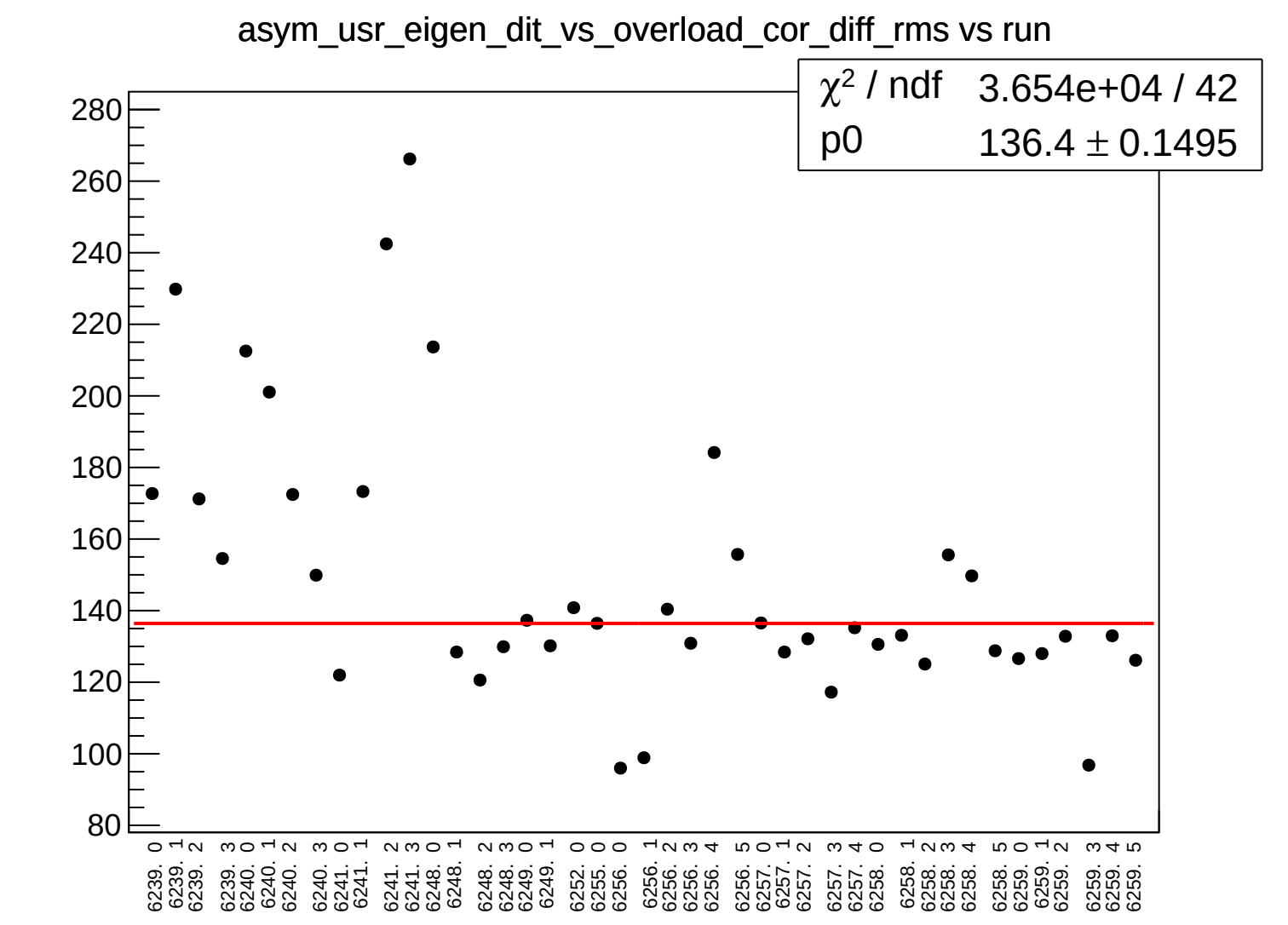


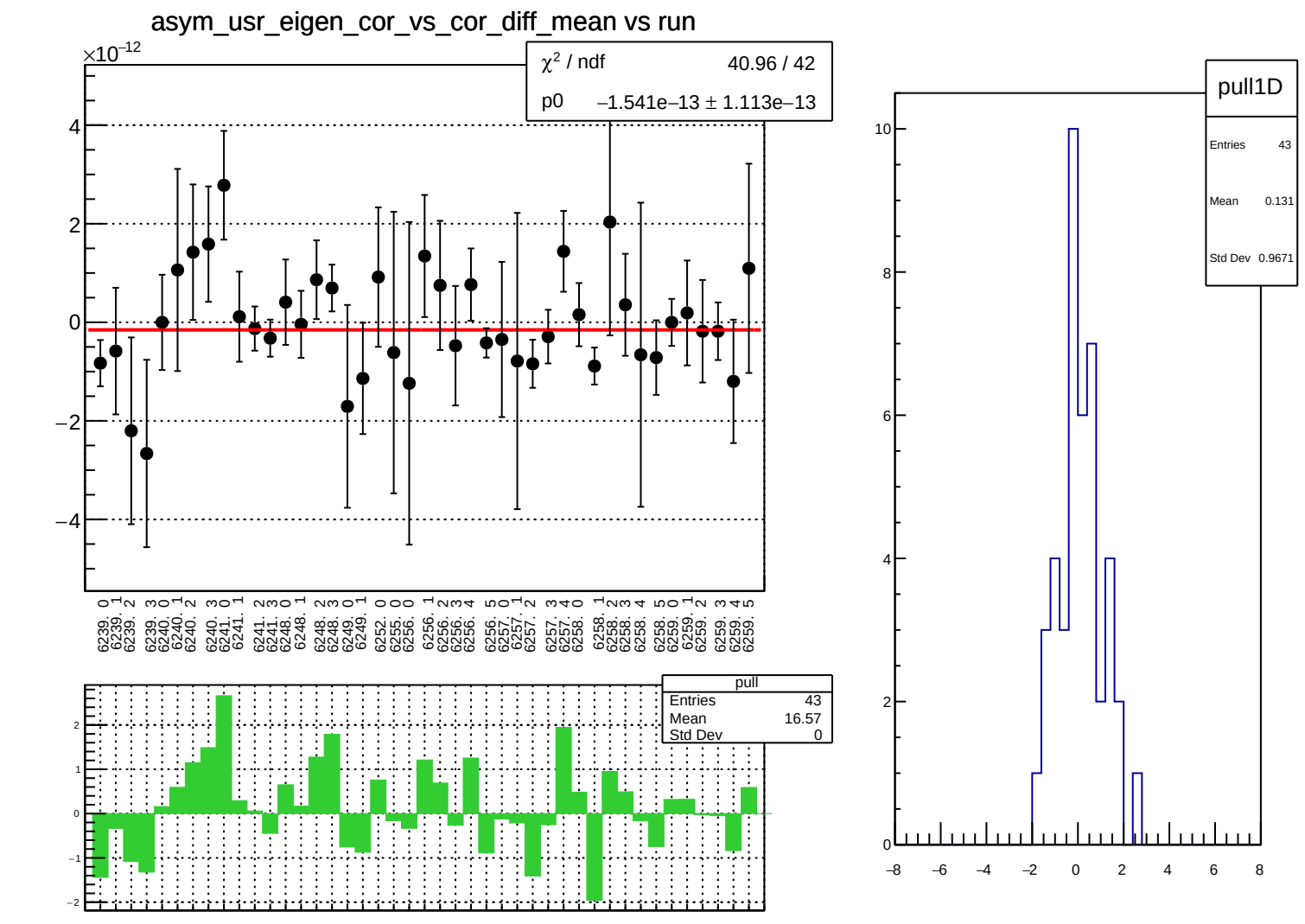



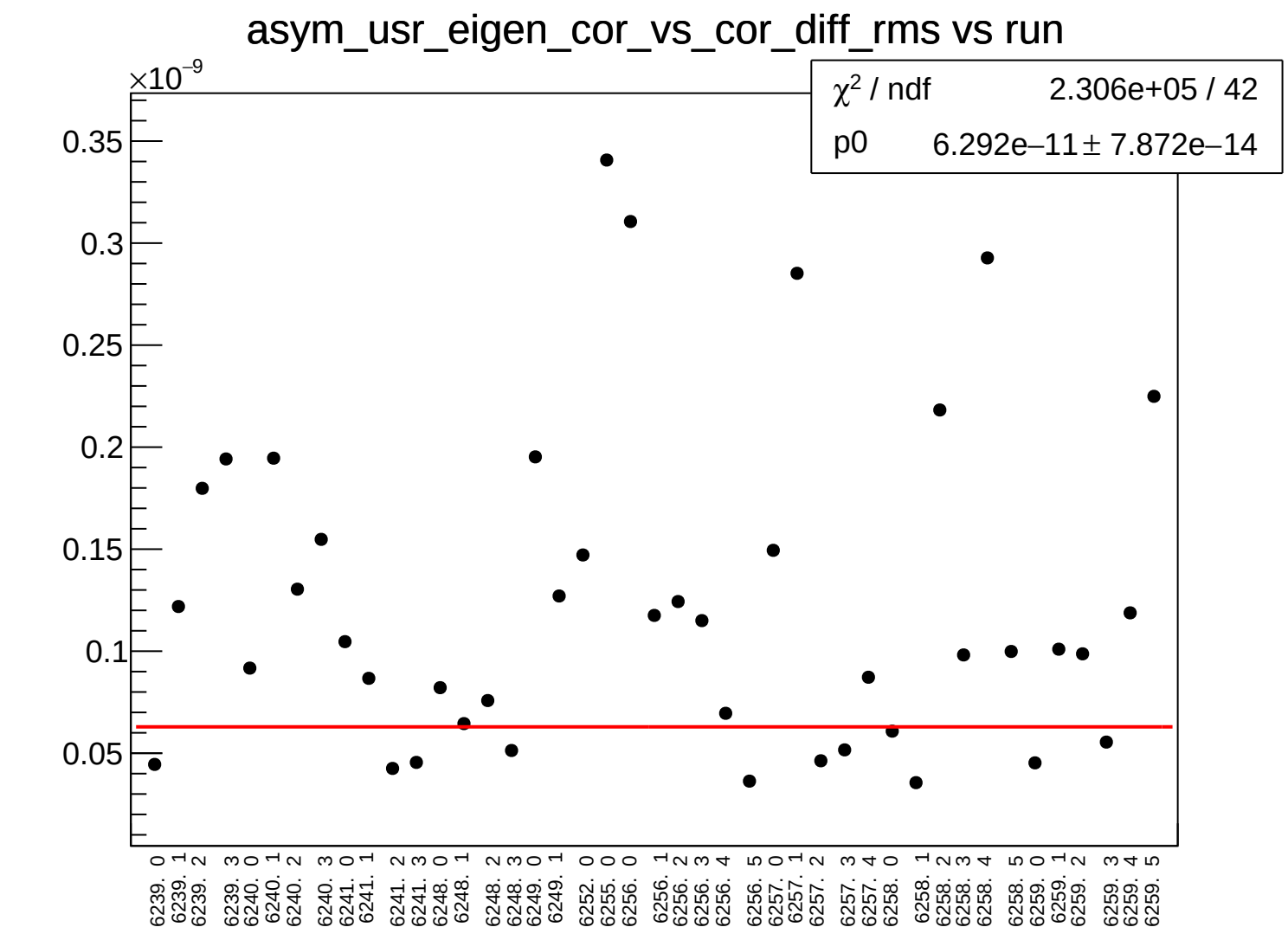



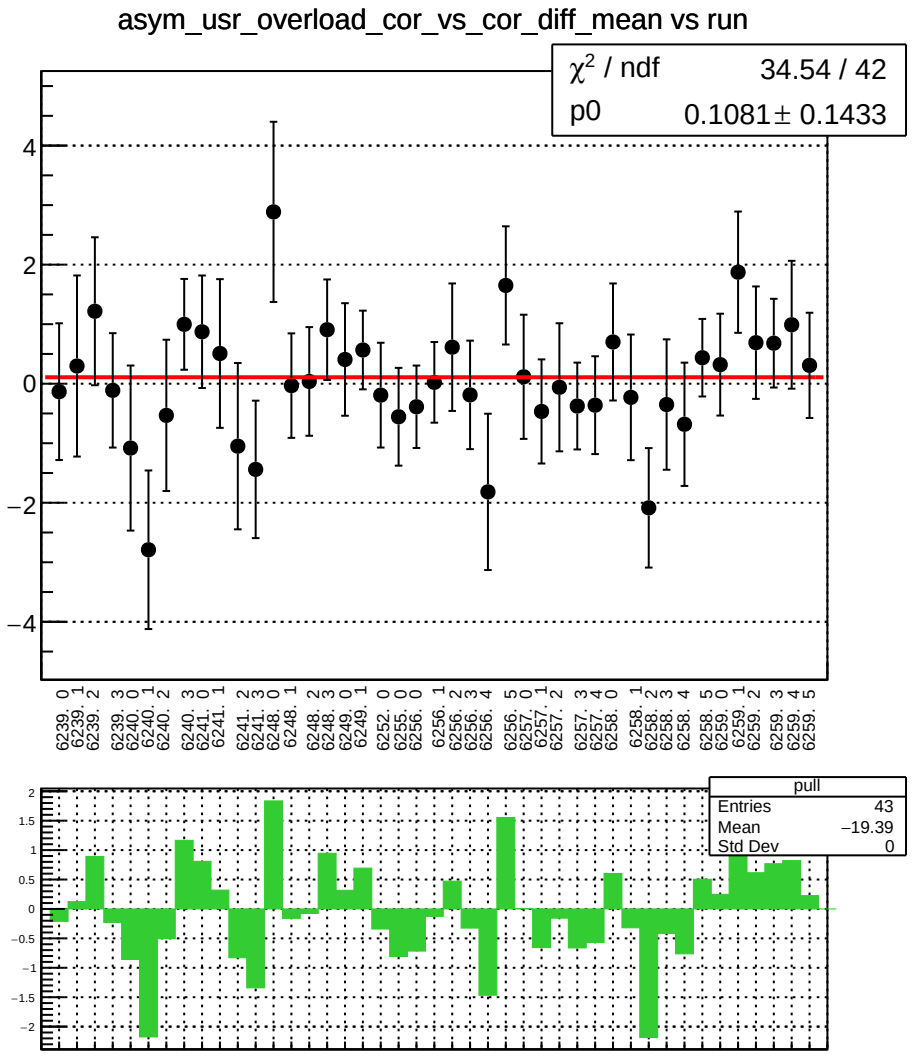

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.668e+04 / 42
p0 97.62 ± 0.1076
240
220
200
180
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

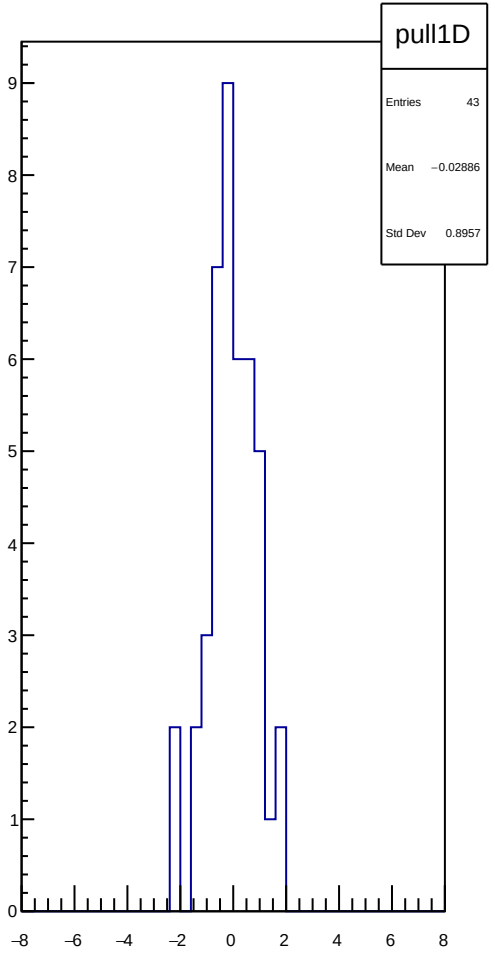

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 35.86 / 42
p0 0.1379 ± 0.2114
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −32.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01596
Std Dev 0.9131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

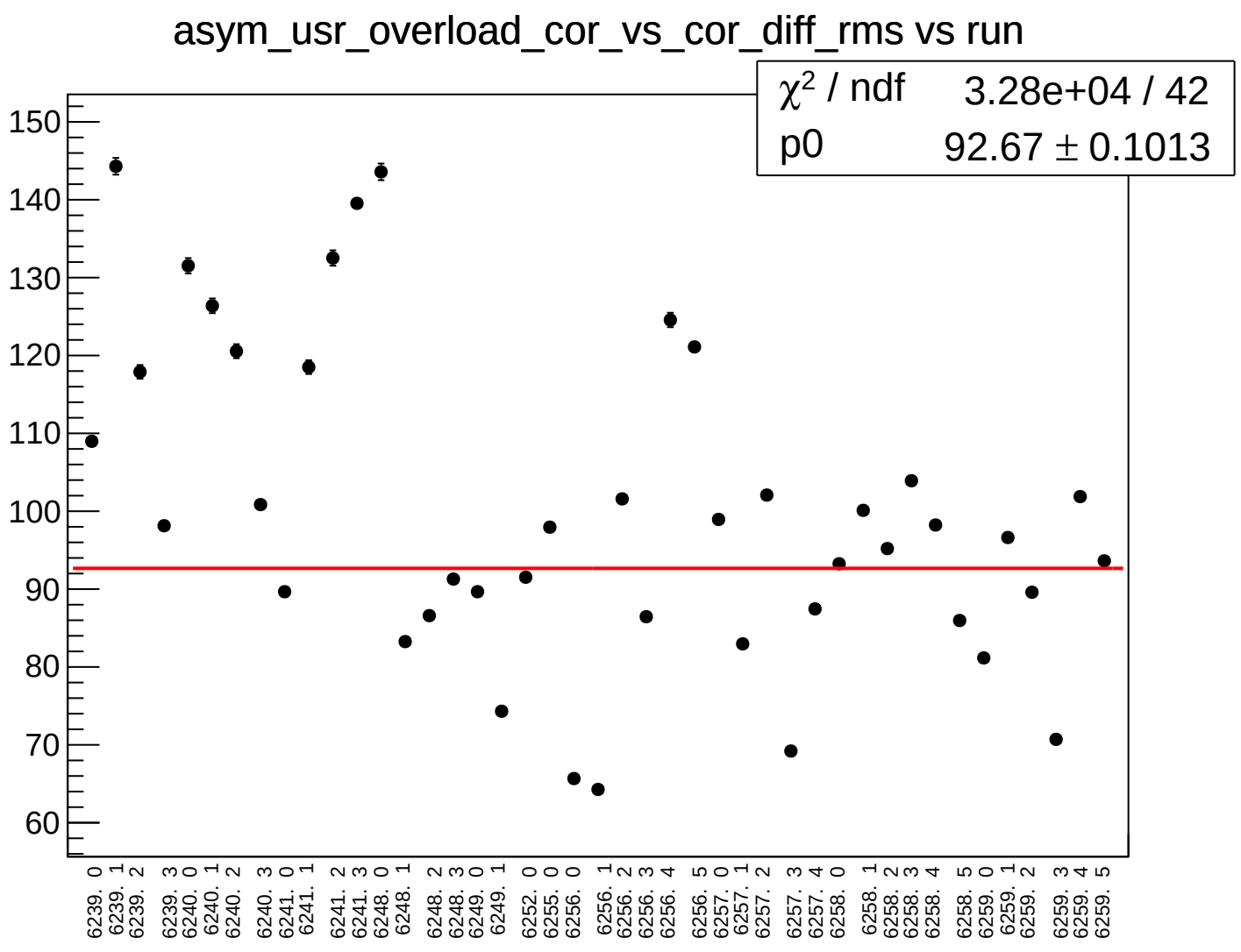

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.654e+04 / 42
p0 136.4 ± 0.1495
280
260
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

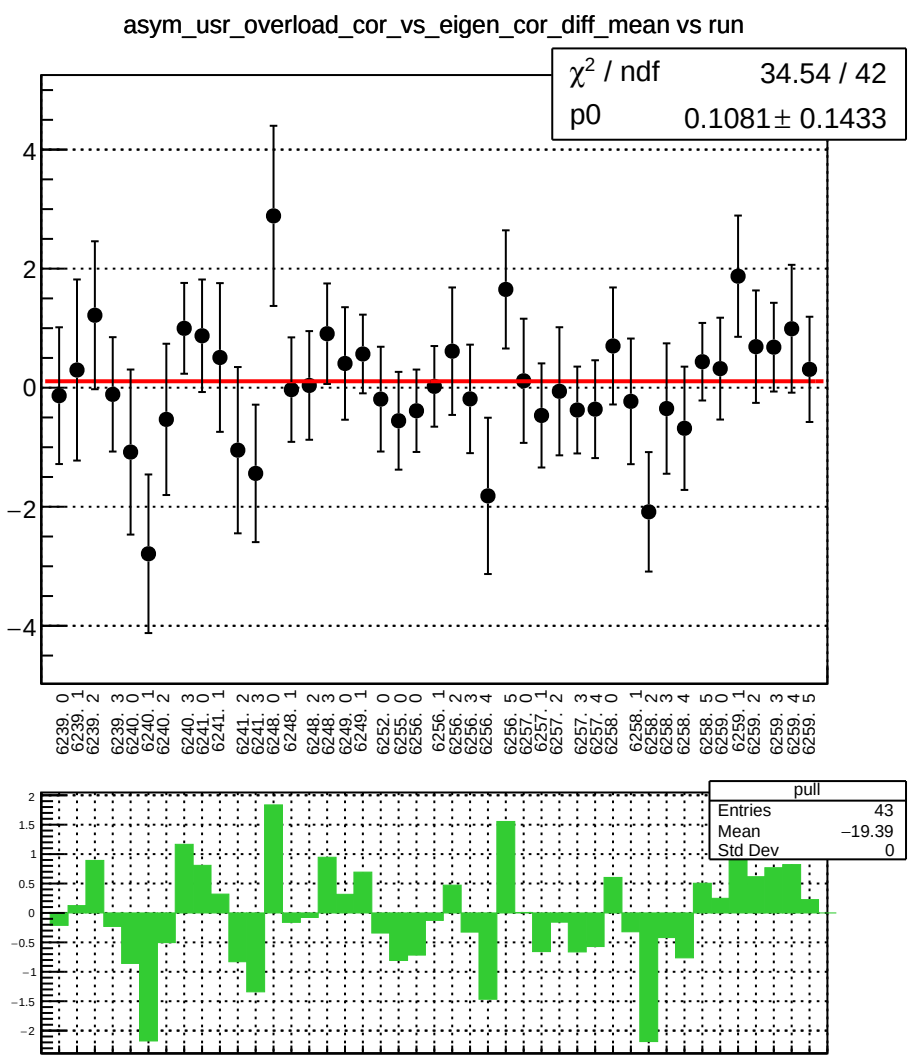

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.96 / 42
p0 −1.541e−13 ± 1.113e−13
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.57
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.131
Std Dev 0.9671
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

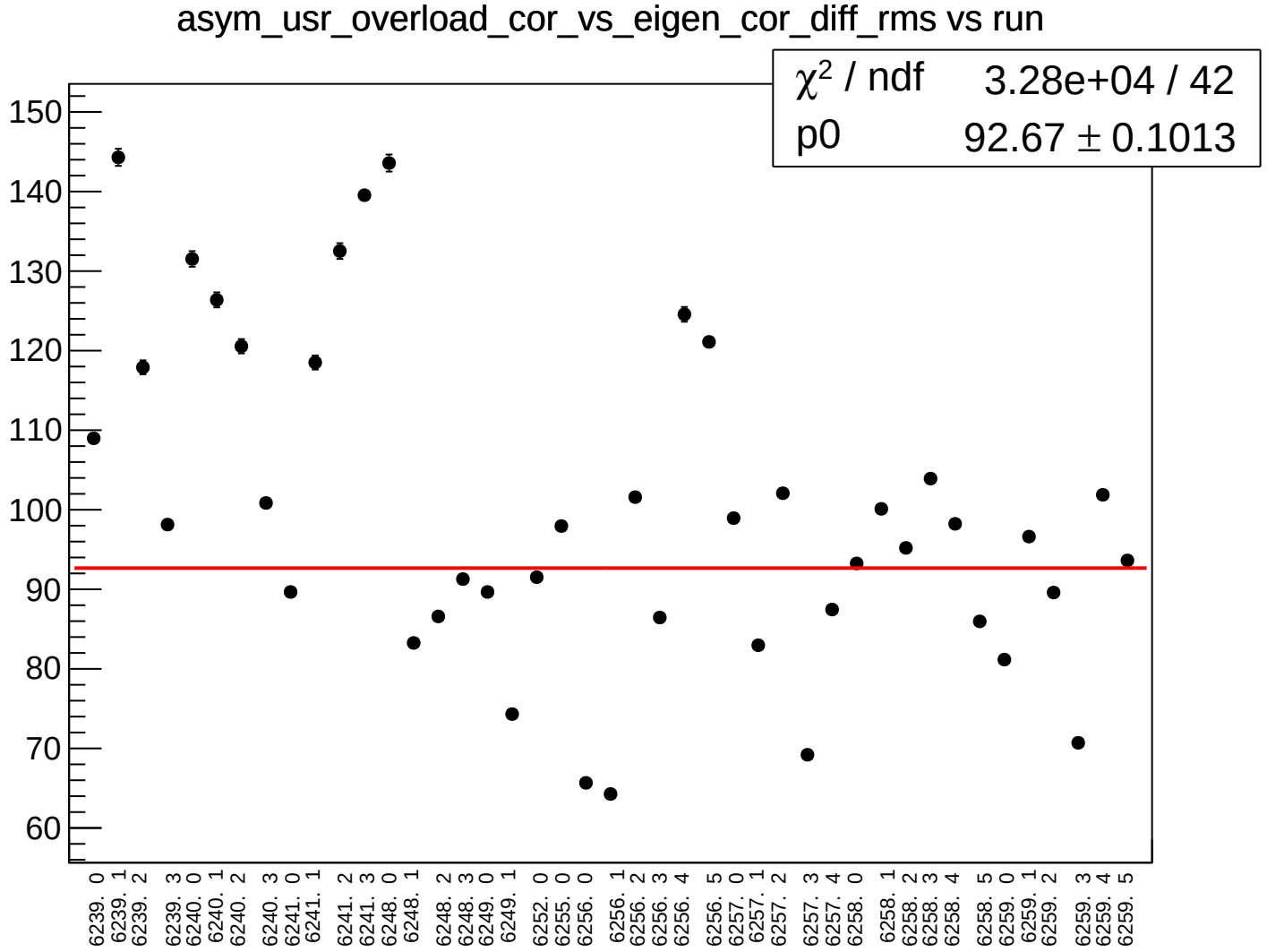

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.306e+05 / 42
p0 6.292e−11 ± 7.872e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

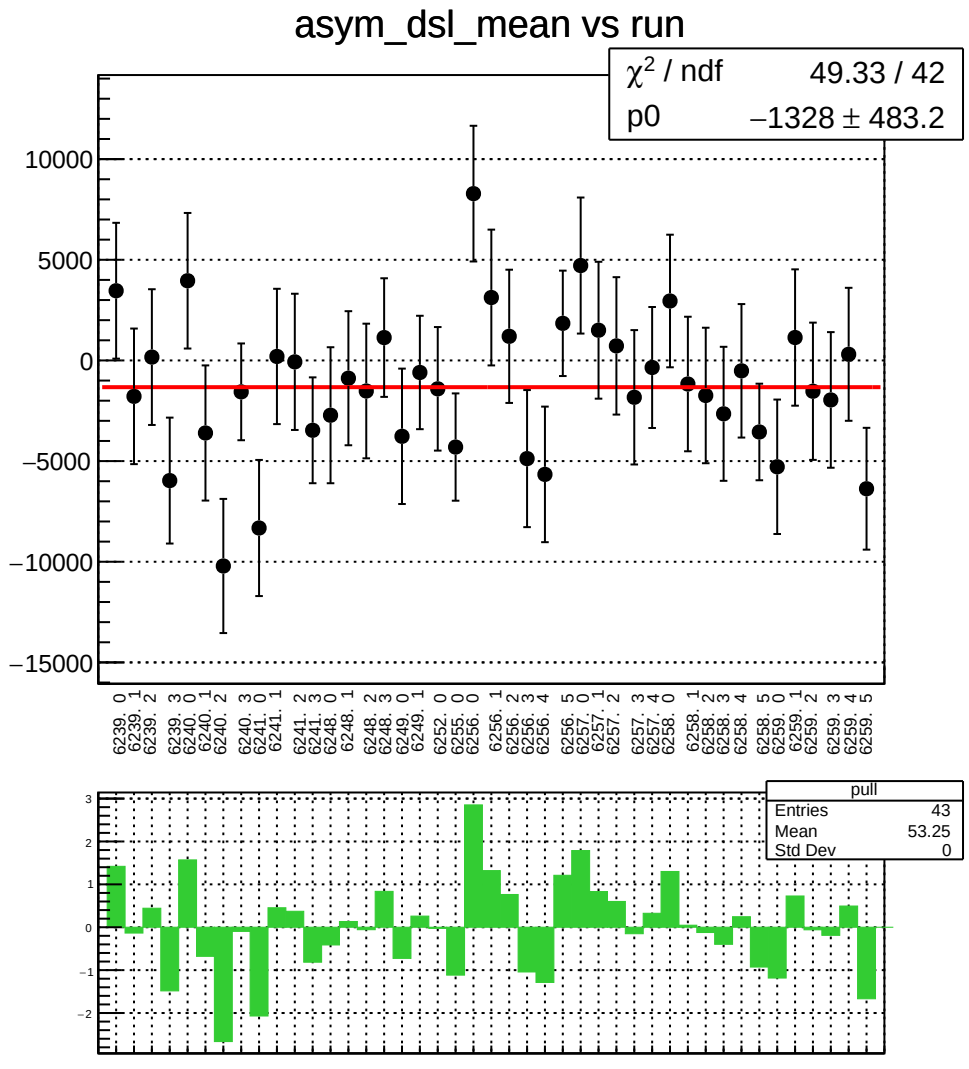

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 34.54 / 42
p0 0.1081 ± 0.1433
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −19.39
Std Dev 0

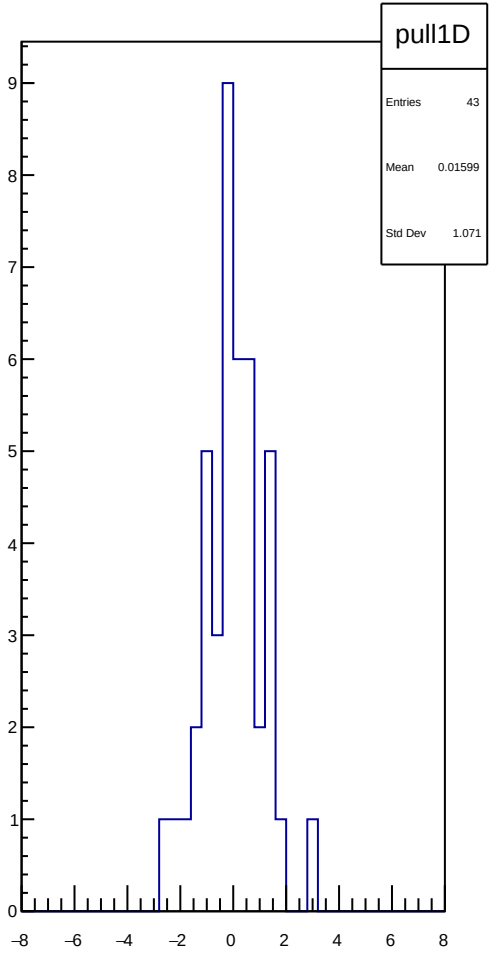

pull1D
Entries 43
Mean −0.02886
Std Dev 0.8957

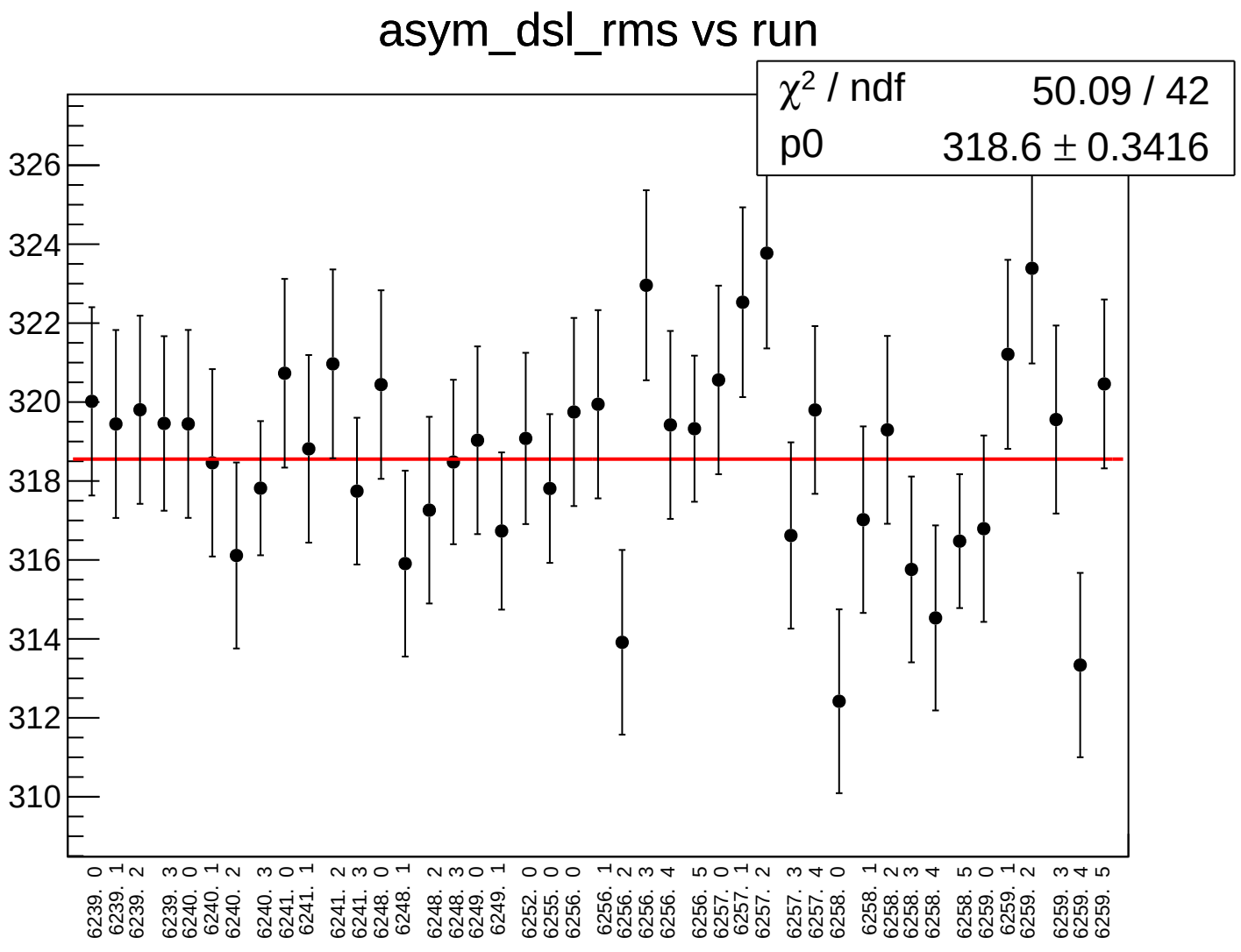

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 3.28e+04 / 42
p0 92.67 ± 0.1013
150
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

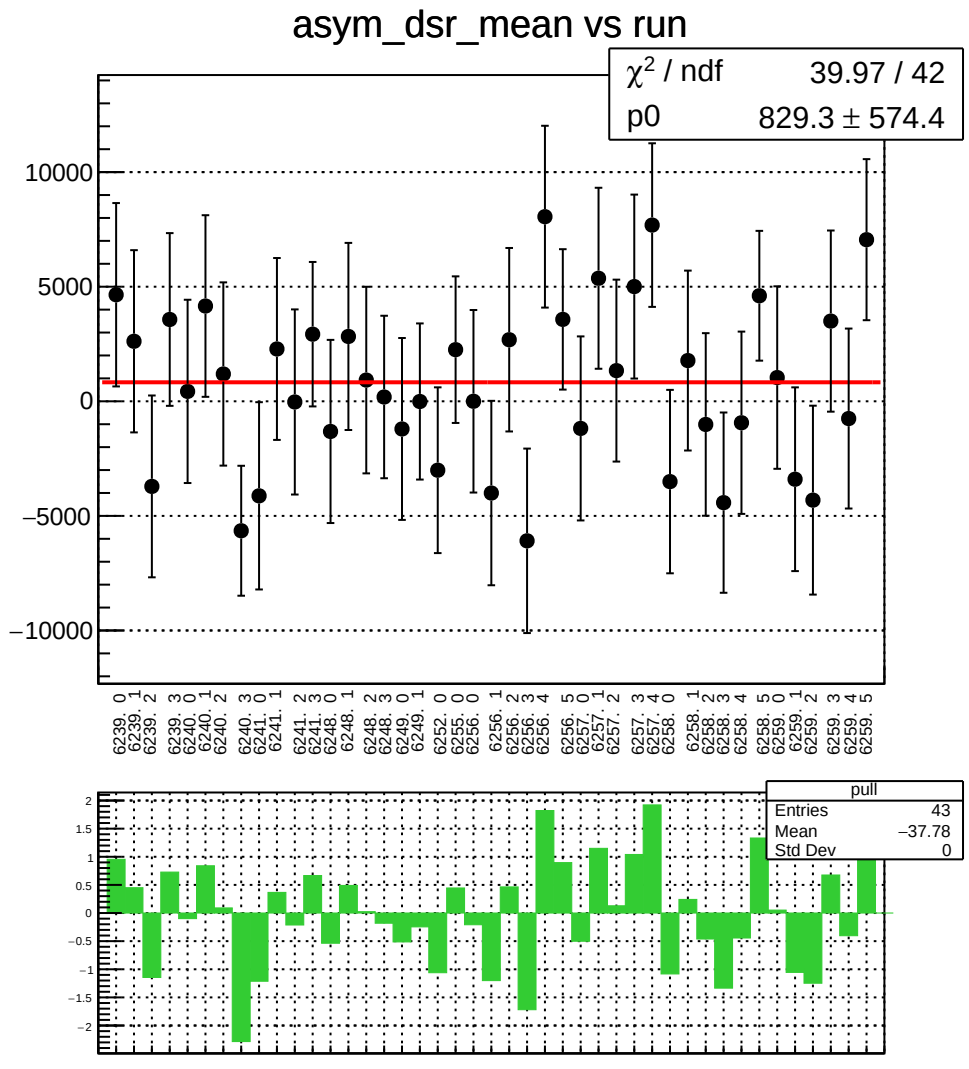

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.54 / 42
p0 0.1081 ± 0.1433
pull
Entries 43
Mean −19.39
Std Dev 0
pull1D
Entries 43
Mean −0.02886
Std Dev 0.8957

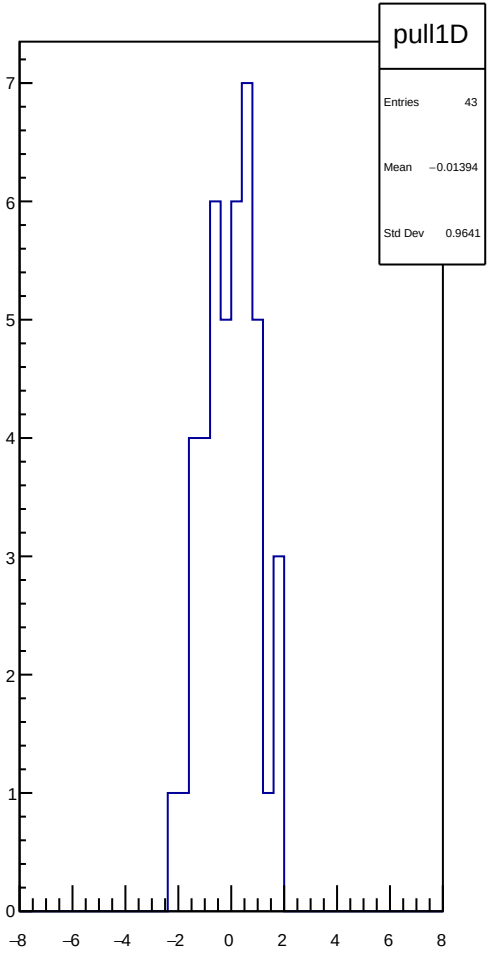

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.28e+04 / 42
p0 92.67 ± 0.1013
150
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

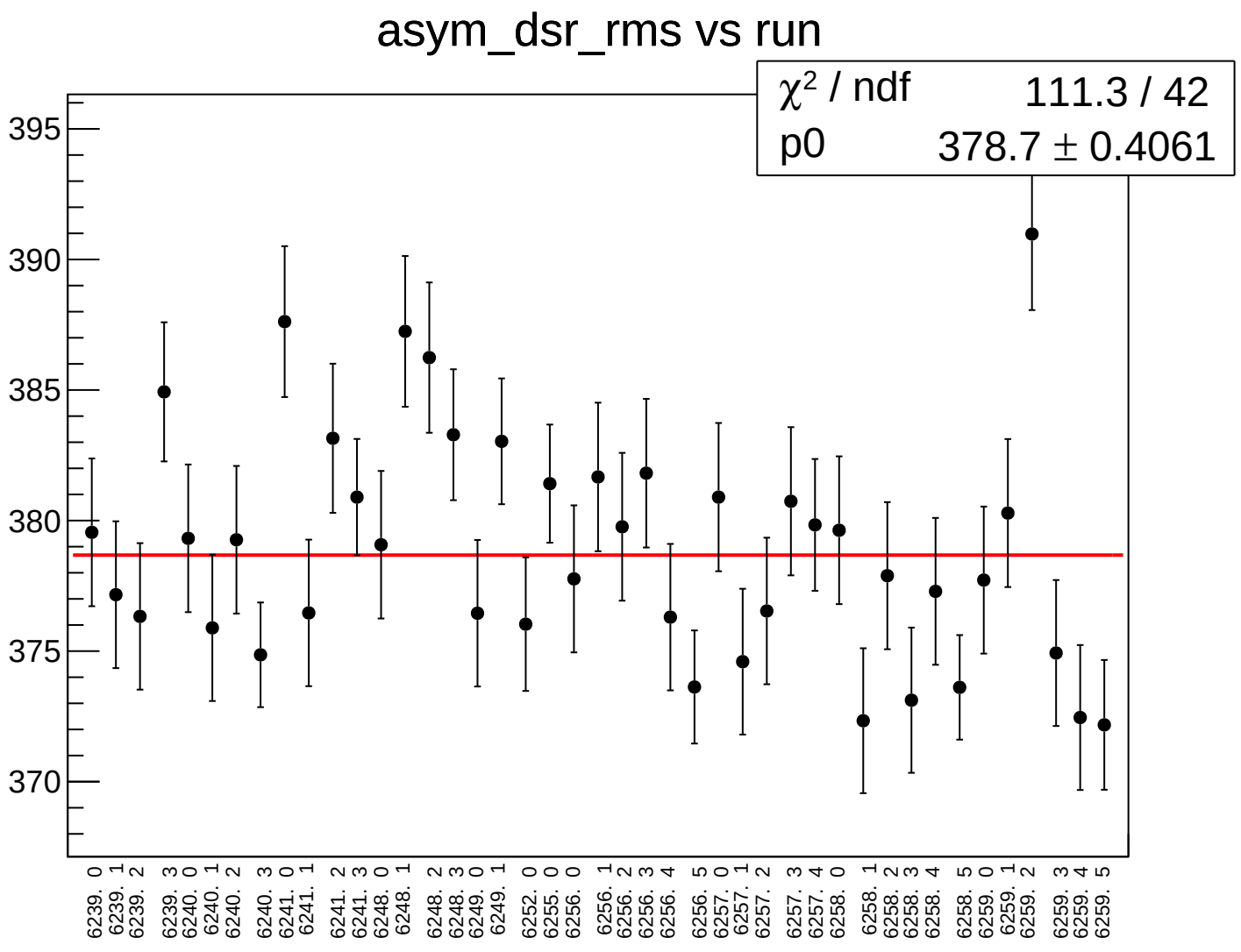

asym_dsl_mean vs run
χ² / ndf 49.33 / 42
p0 −1328 ± 483.2
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 53.25
Std Dev 0
3
2
1
0
−1
−2

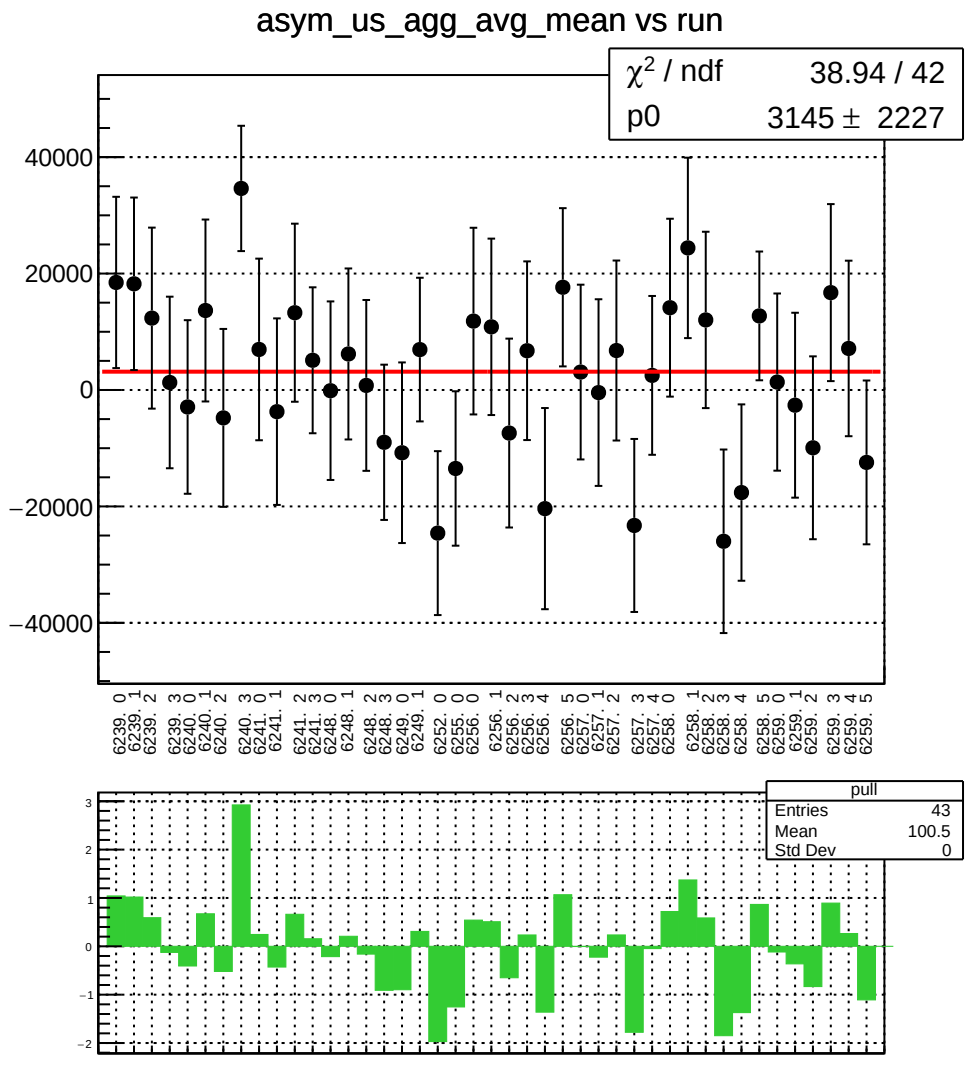

pull1D
Entries 43
Mean 0.01599
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

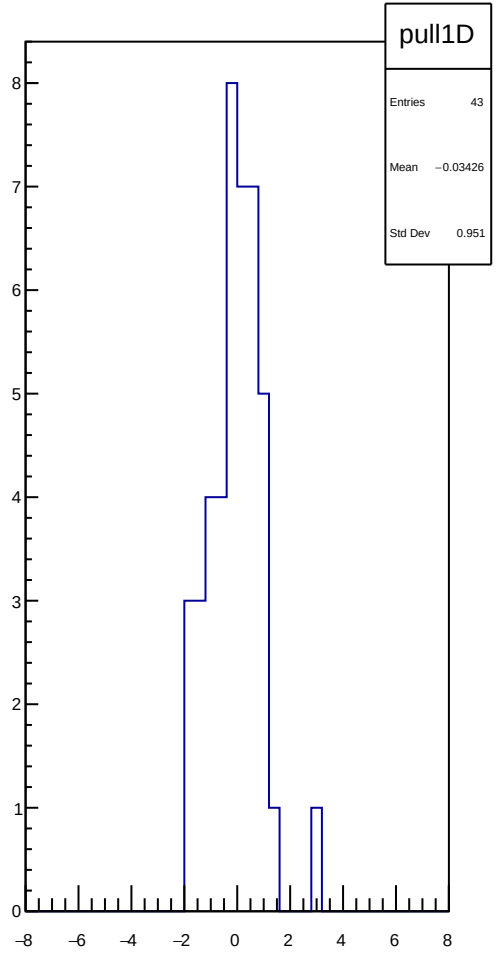

asym_dsl_rms vs run
χ² / ndf 50.09 / 42
p0 318.6 ± 0.3416
326
324
322
320
318
316
314
312
310
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

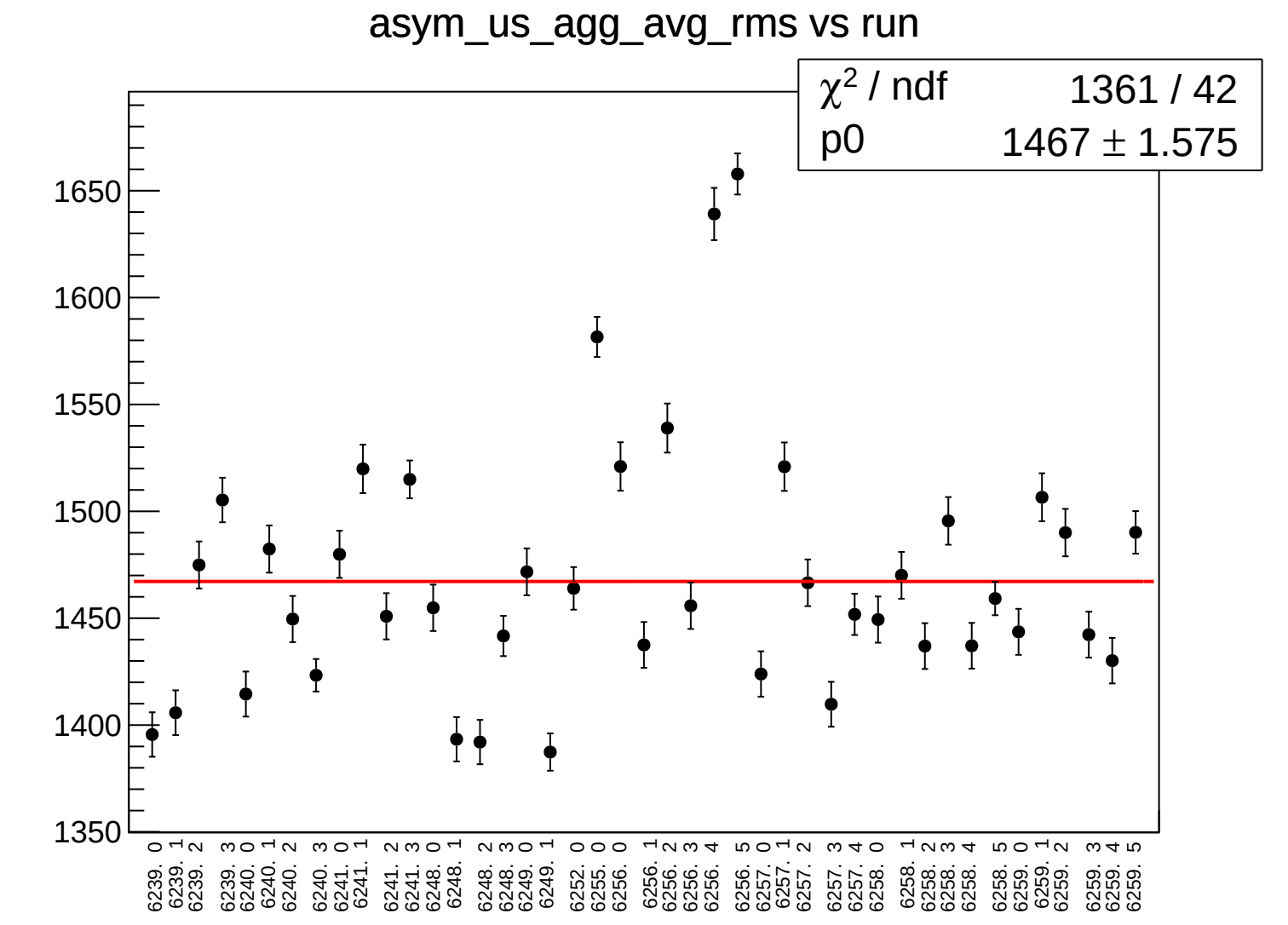

asym_dsr_mean vs run
χ² / ndf 39.97 / 42
p0 829.3 ± 574.4
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −37.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

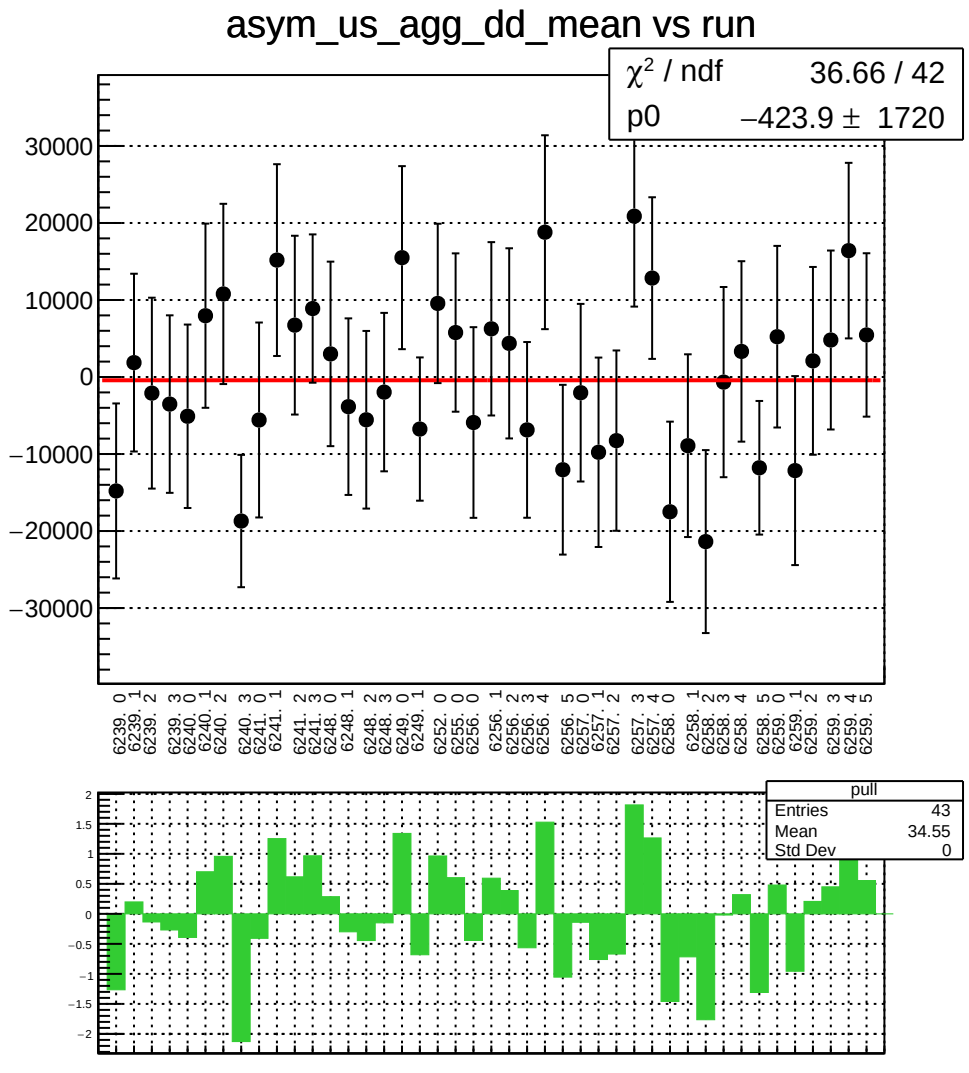

pull1D
Entries 43
Mean −0.01394
Std Dev 0.9641
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

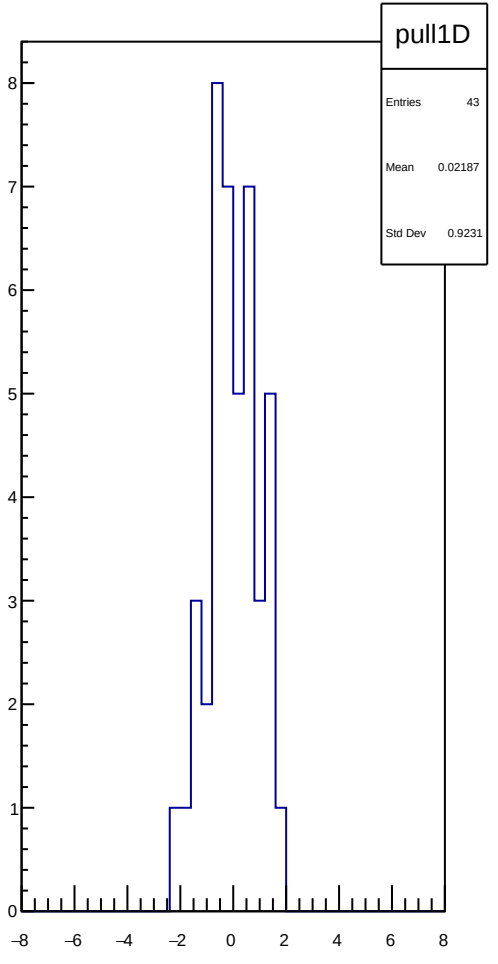

asym_dsr_rms vs run
χ² / ndf 111.3 / 42
p0 378.7 ± 0.4061
395
390
385
380
375
370
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

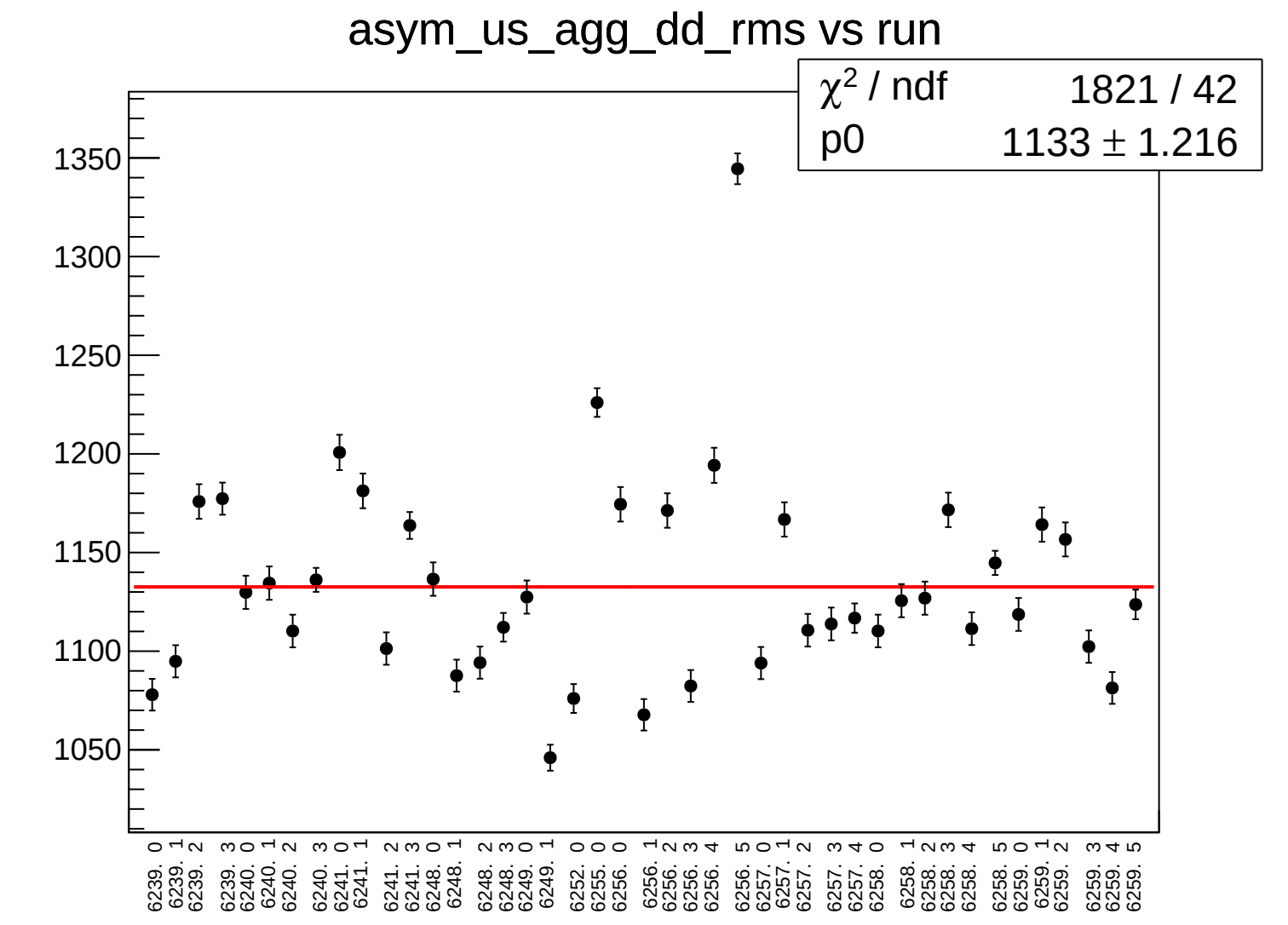

asym_us_agg_avg_mean vs run
χ² / ndf 38.94 / 42
p0 3145 ± 2227
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 100.5
Std Dev 0
3
2
1
0
−1
−2

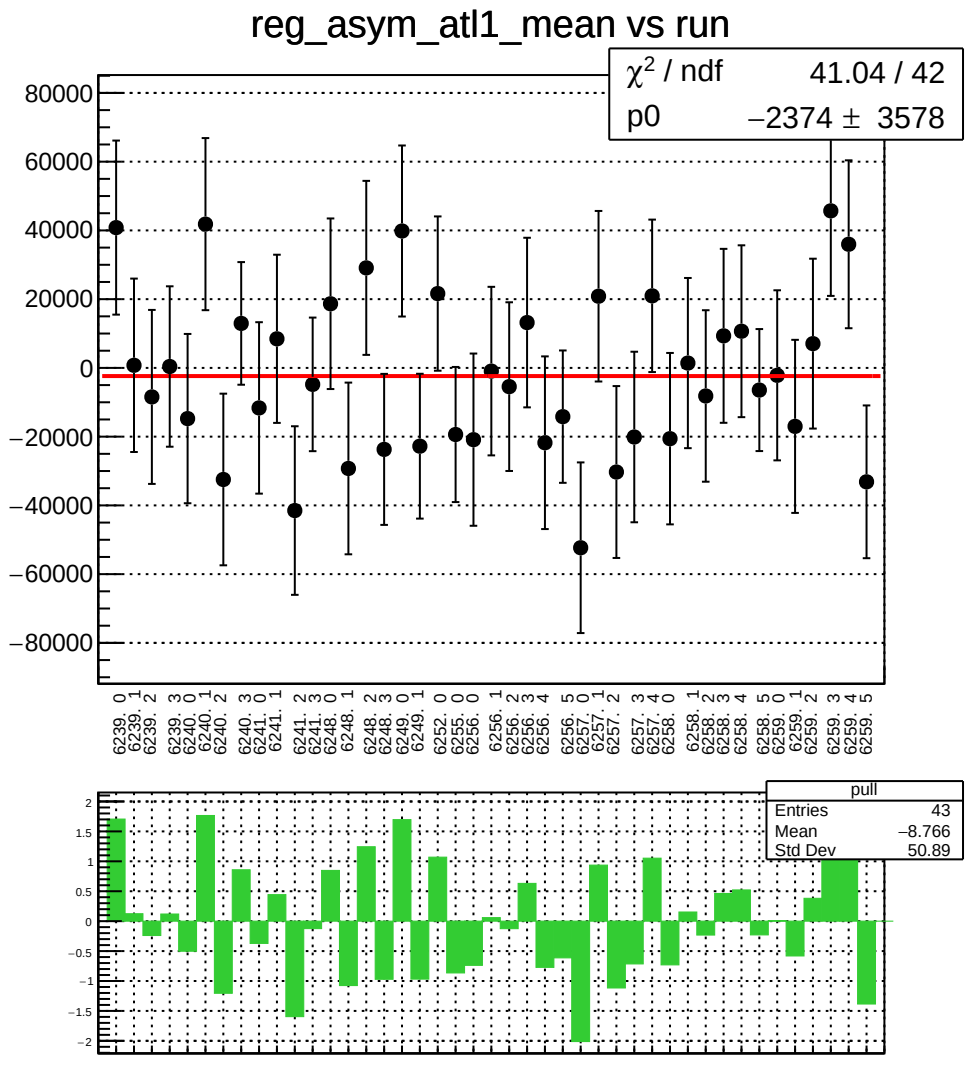

pull1D
Entries 43
Mean −0.03426
Std Dev 0.951
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

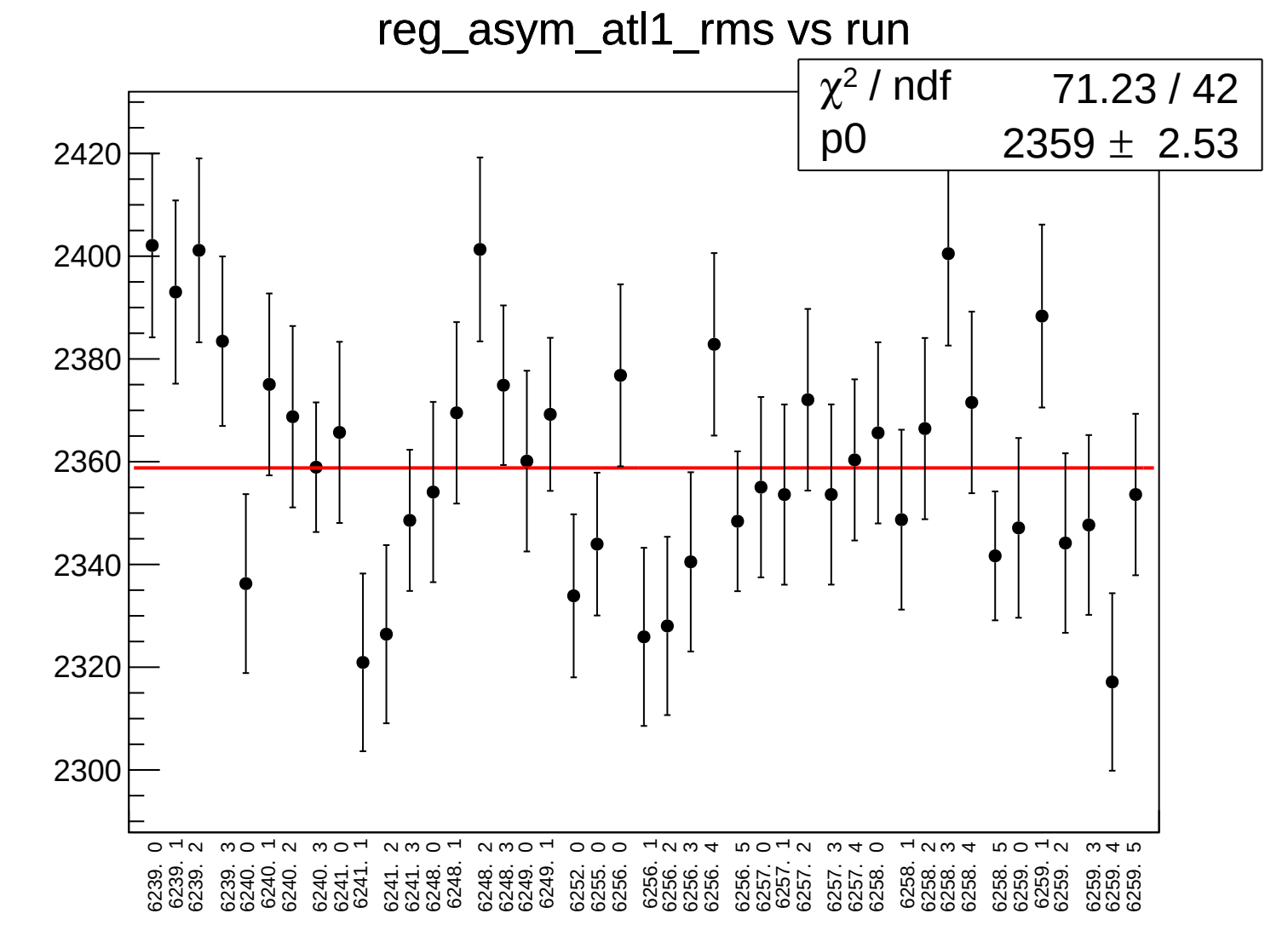

asym_us_agg_avg_rms vs run
χ² / ndf 1361 / 42
p0 1467 ± 1.575
1650
1600
1550
1500
1450
1400
1350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

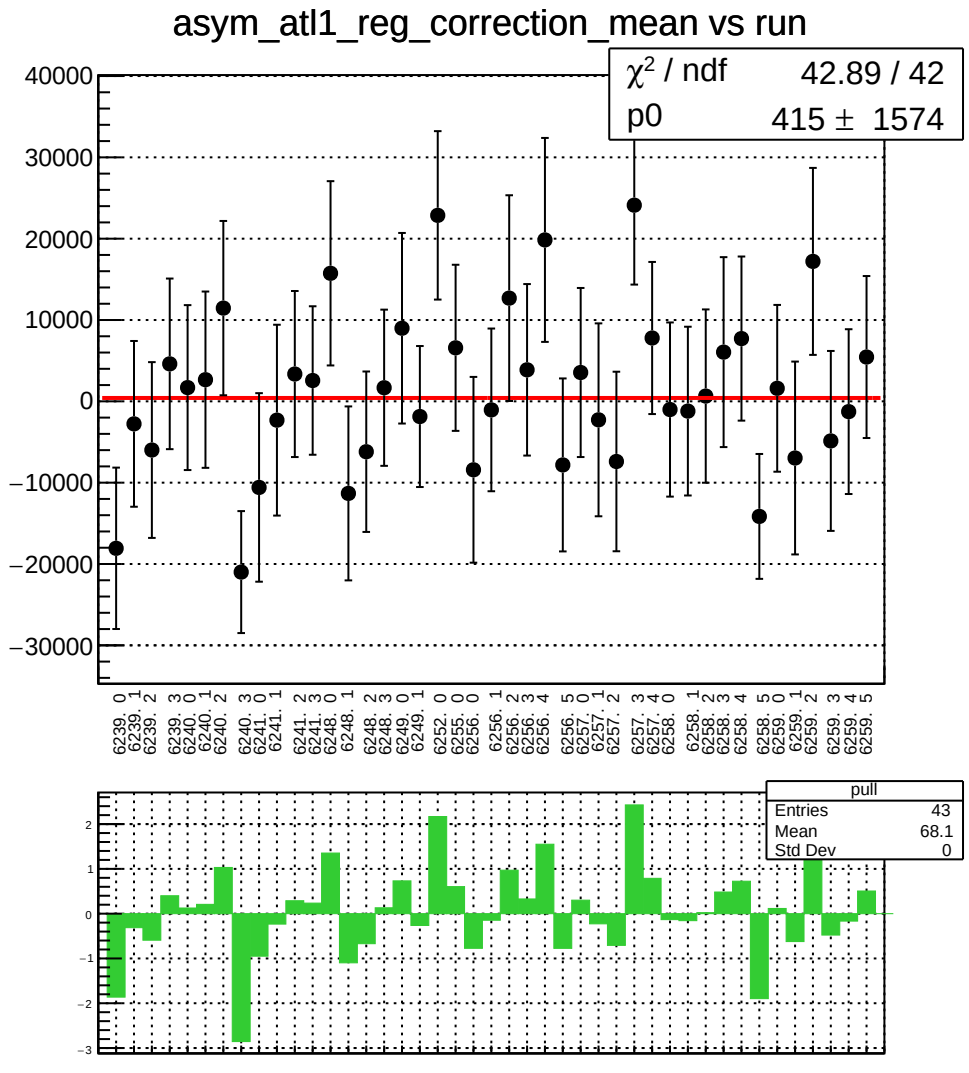

asym_us_agg_dd_mean vs run
χ² / ndf 36.66 / 42
p0 −423.9 ± 1720
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

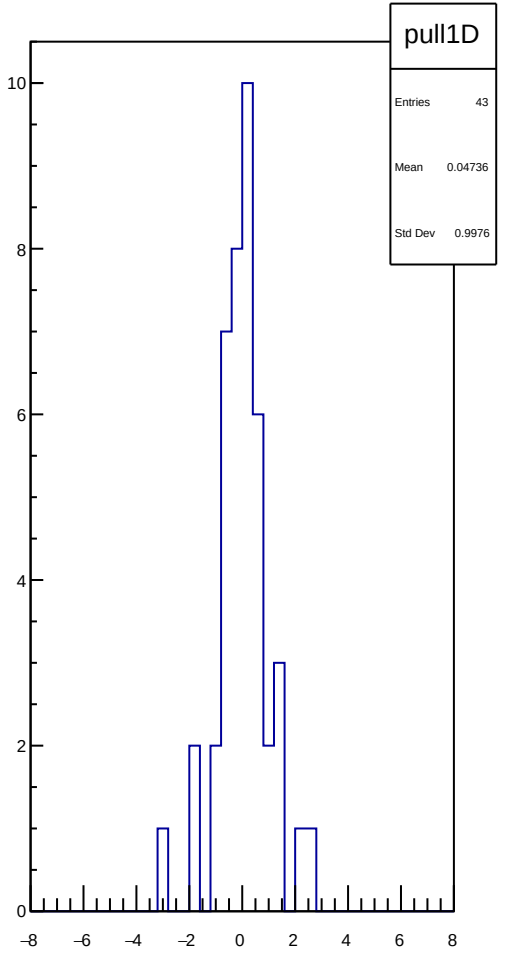

pull1D
Entries 43
Mean 0.02187
Std Dev 0.9231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

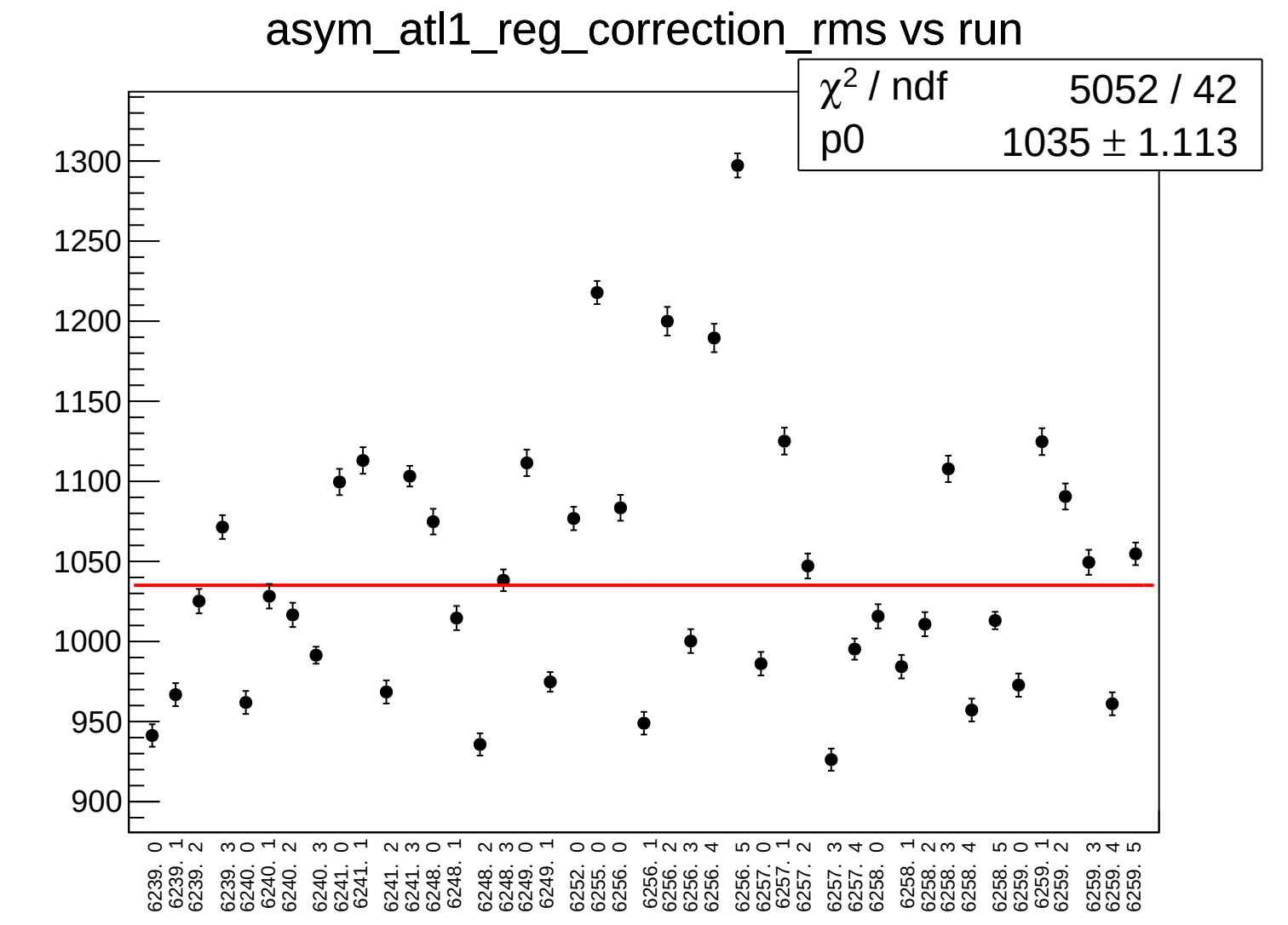

asym_us_agg_dd_rms vs run
$\chi^2$ / ndf 1821 / 42
p0 1133 ± 1.216
1350
1300
1250
1200
1150
1100
1050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

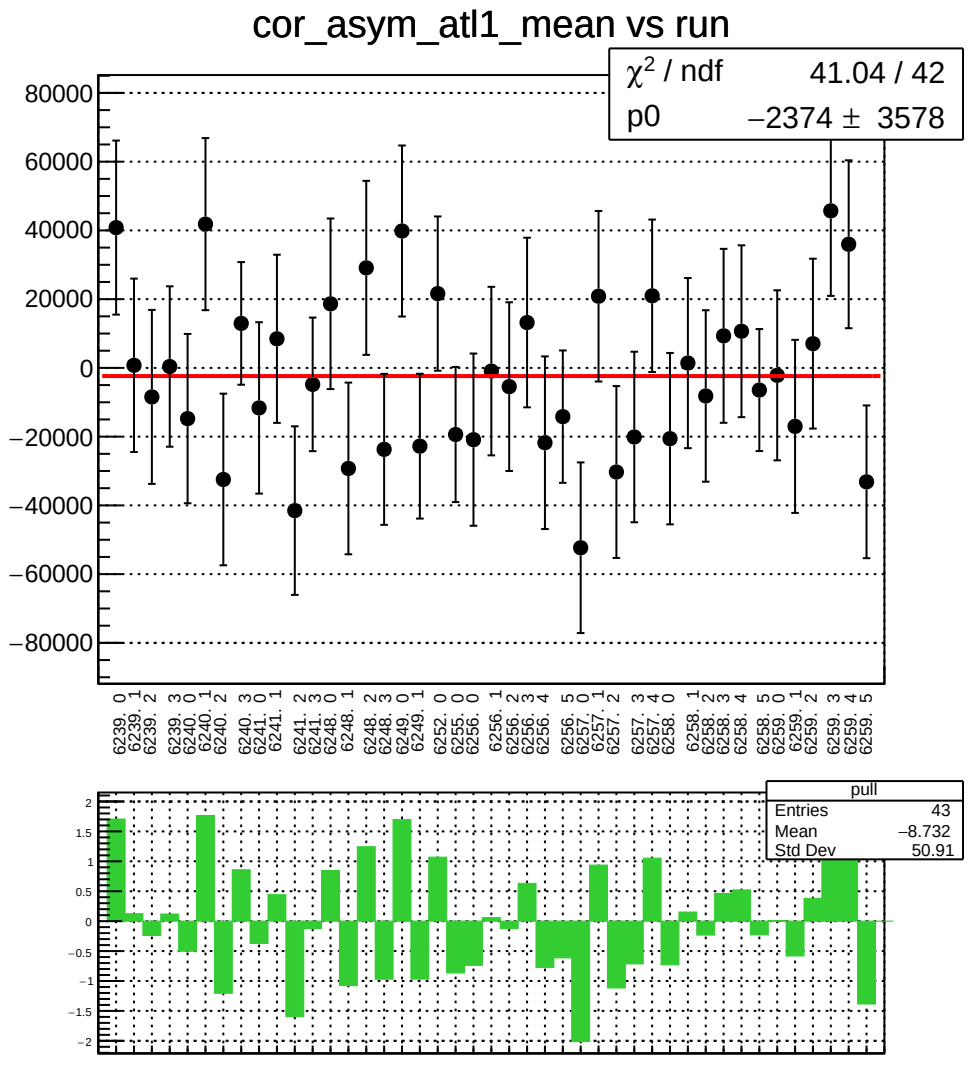

reg_asym_atl1_mean vs run
χ² / ndf 41.04 / 42
p0 −2374 ± 3578
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.766
Std Dev 50.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009837
Std Dev 0.9769
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

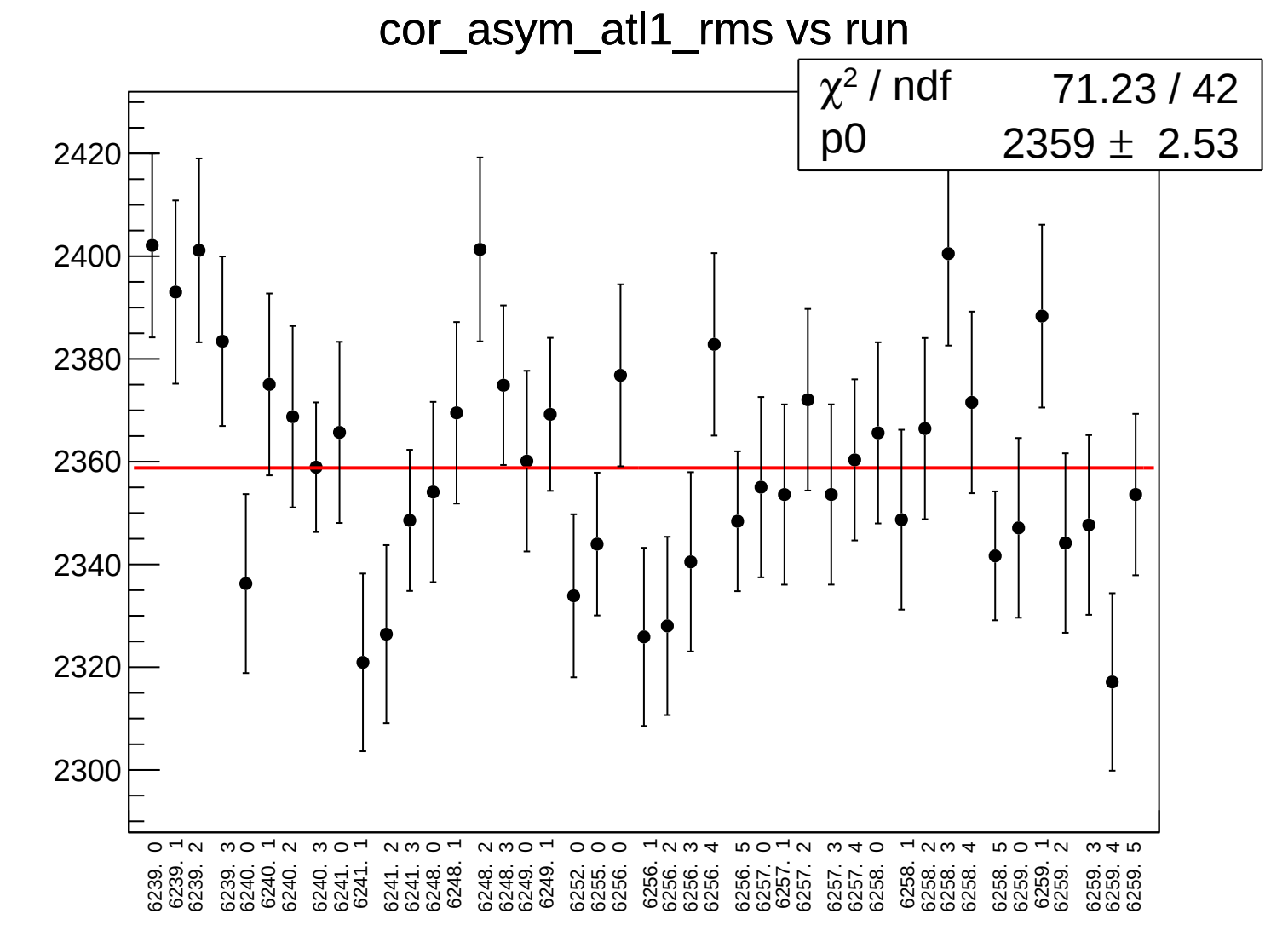

reg_asym_atl1_rms vs run
χ² / ndf 71.23 / 42
p0 2359 ± 2.53
2420
2400
2380
2360
2340
2320
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

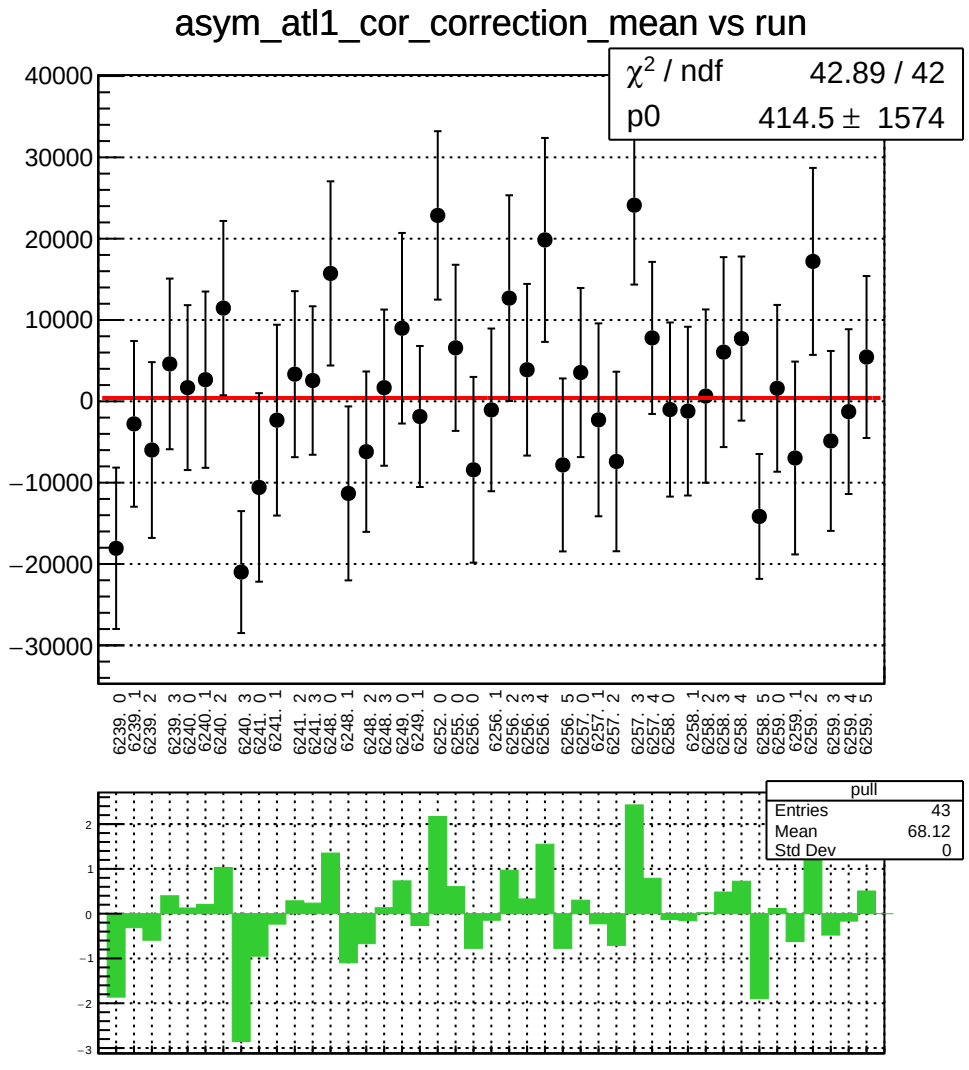

asym_atl1_reg_correction_mean vs run
χ² / ndf 42.89 / 42
p0 415 ± 1574
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.1
Std Dev 0
2
1
0
−1
−2
−3

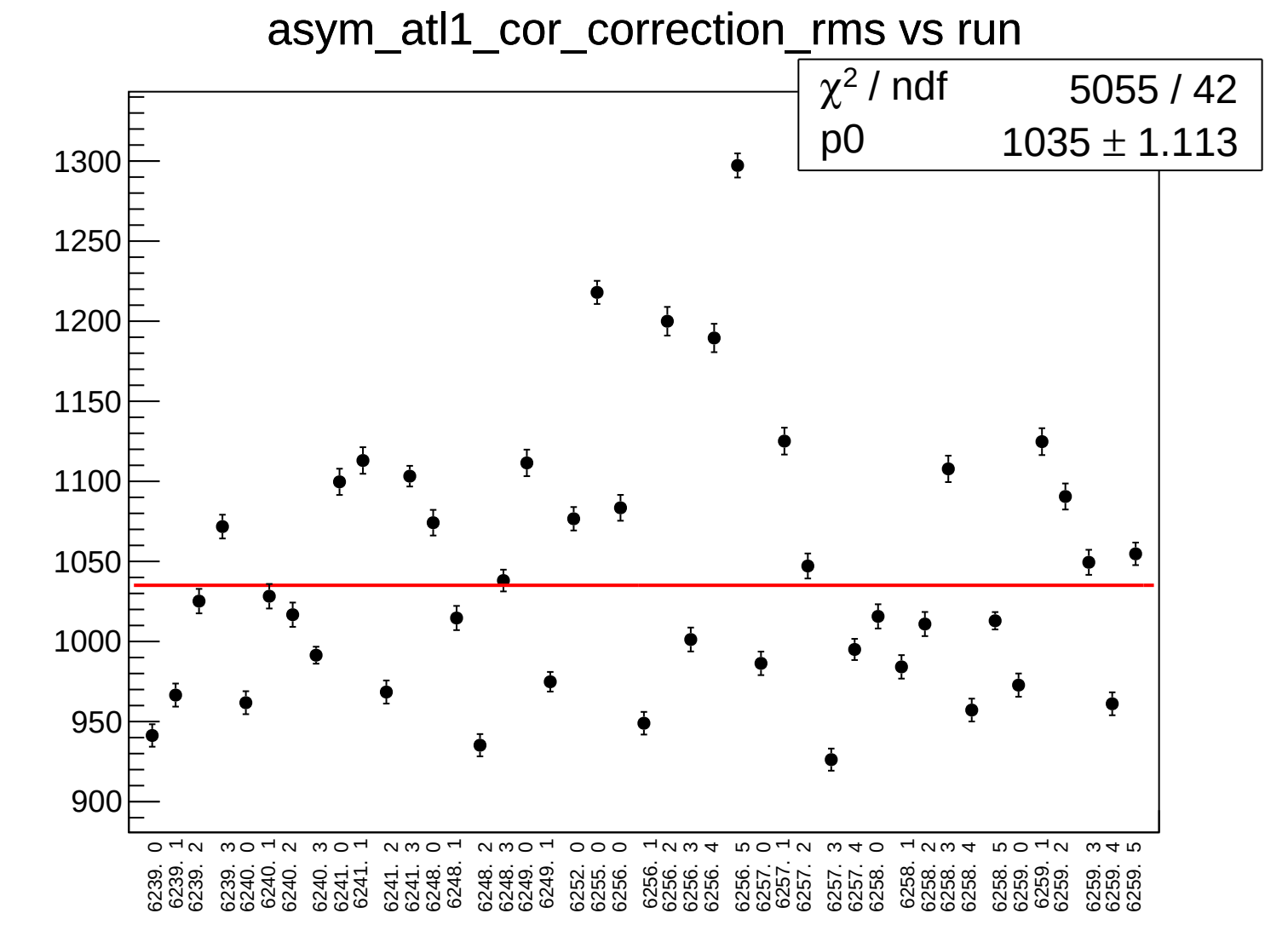

pull1D
Entries 43
Mean 0.04736
Std Dev 0.9976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

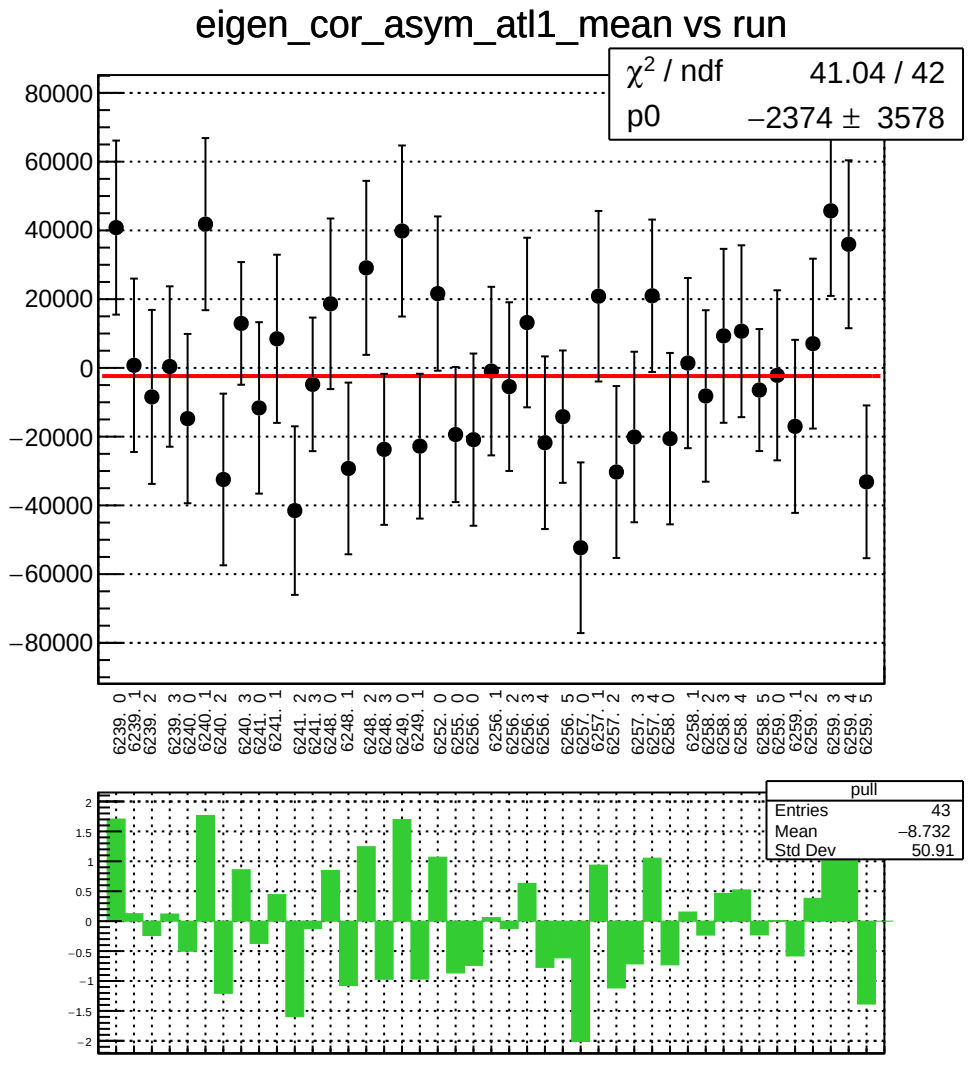

asym_atl1_reg_correction_rms vs run
χ² / ndf 5052 / 42
p0 1035 ± 1.113
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

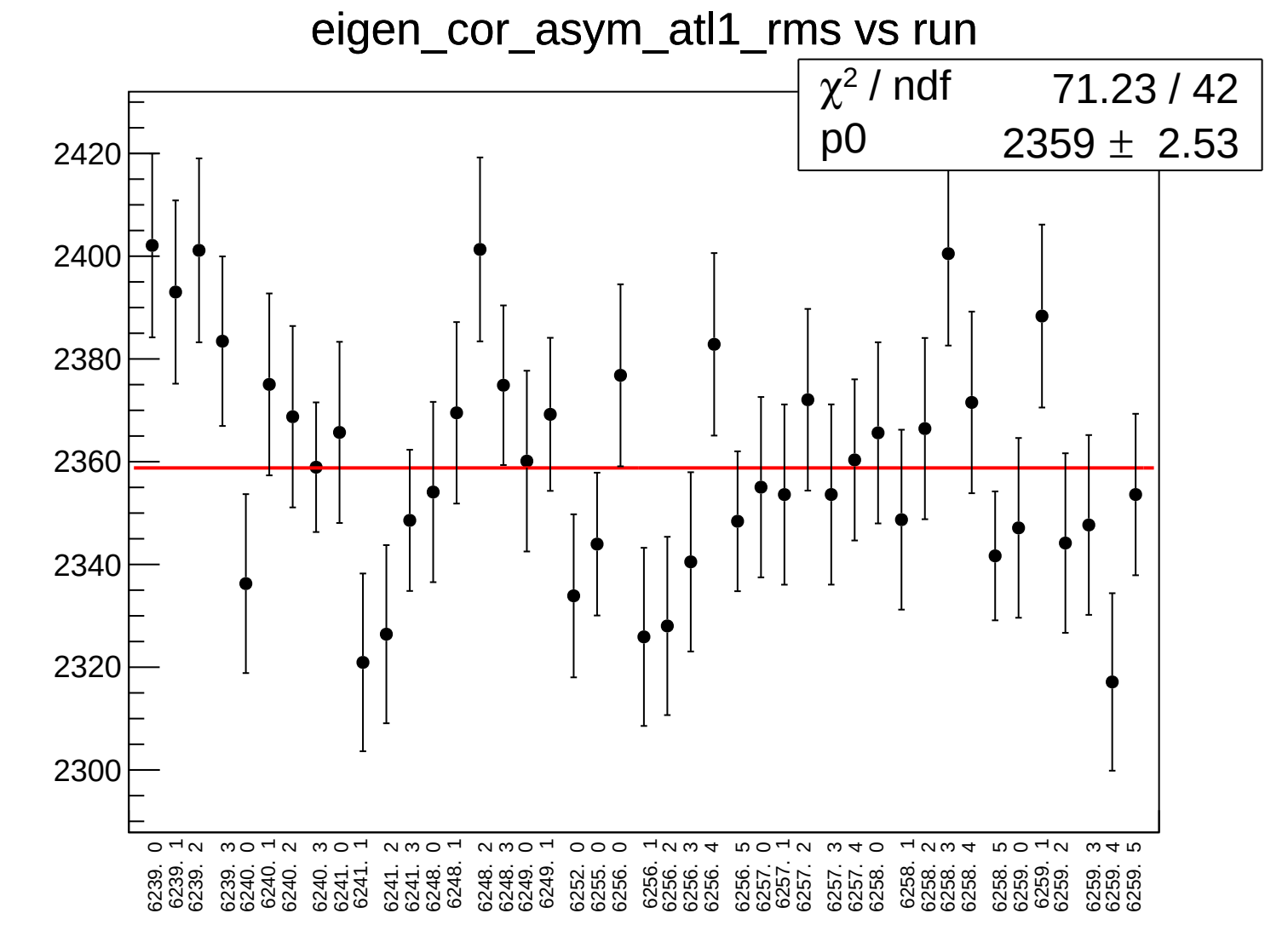

cor_asym_atl1_mean vs run
χ² / ndf 41.04 / 42
p0 −2374 ± 3578
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.732
Std Dev 50.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009836
Std Dev 0.9769
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

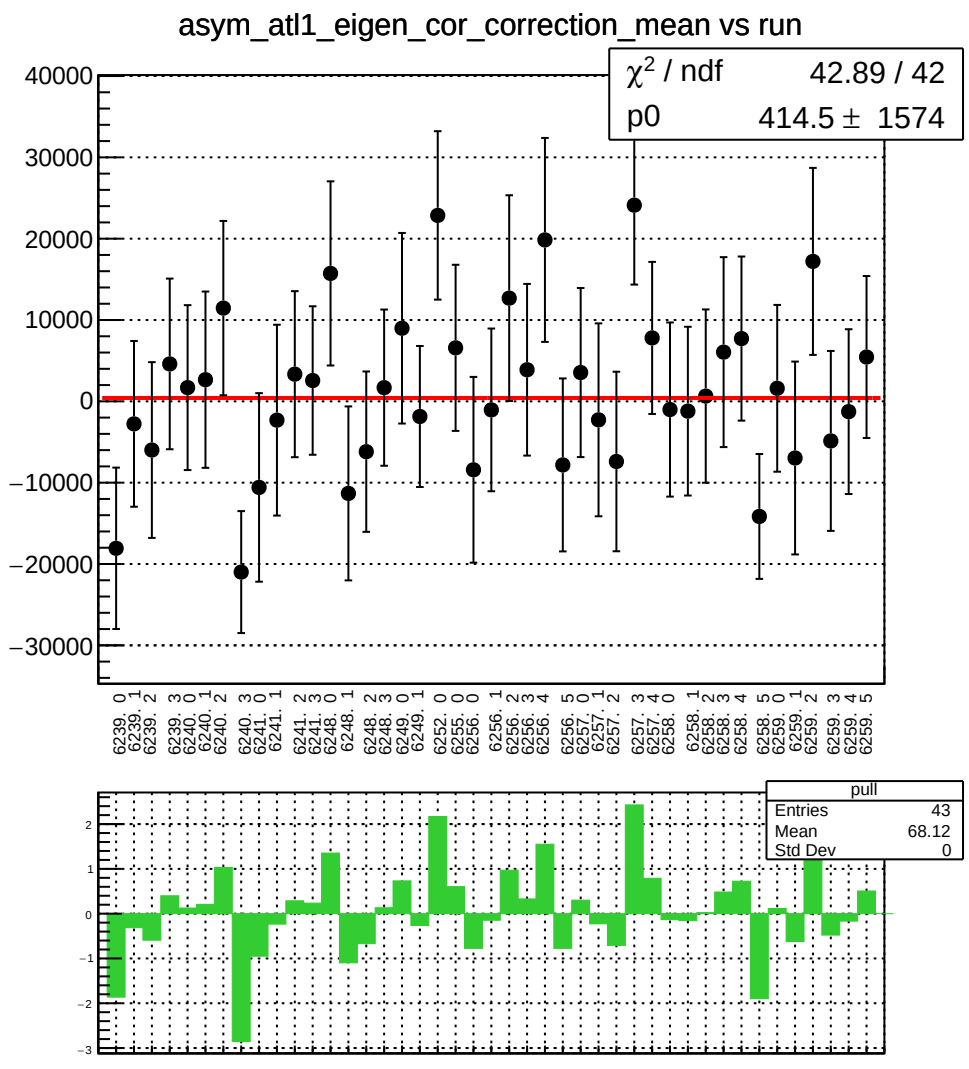

cor_asym_atl1_rms vs run
χ² / ndf 71.23 / 42
p0 2359 ± 2.53
2420
2400
2380
2360
2340
2320
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

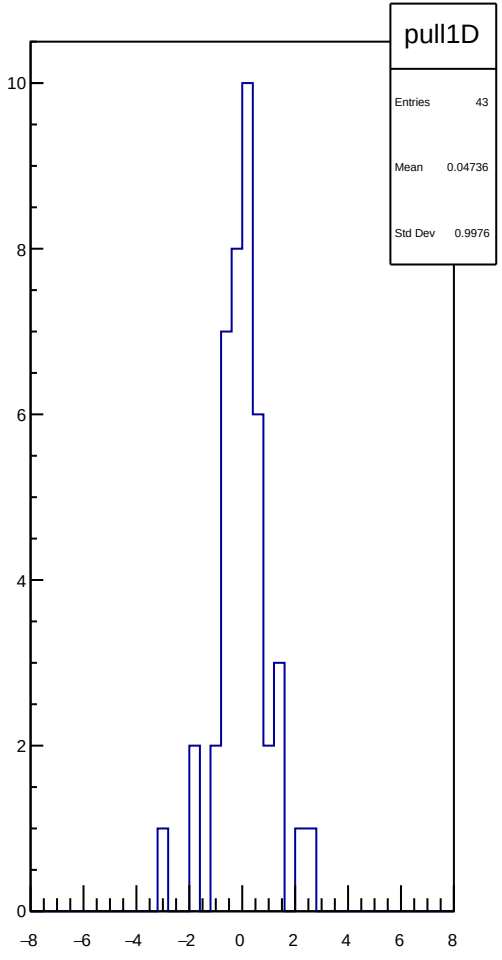

asym_atl1_cor_correction_mean vs run
χ² / ndf 42.89 / 42
p0 414.5 ± 1574
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.12
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04736
Std Dev 0.9976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

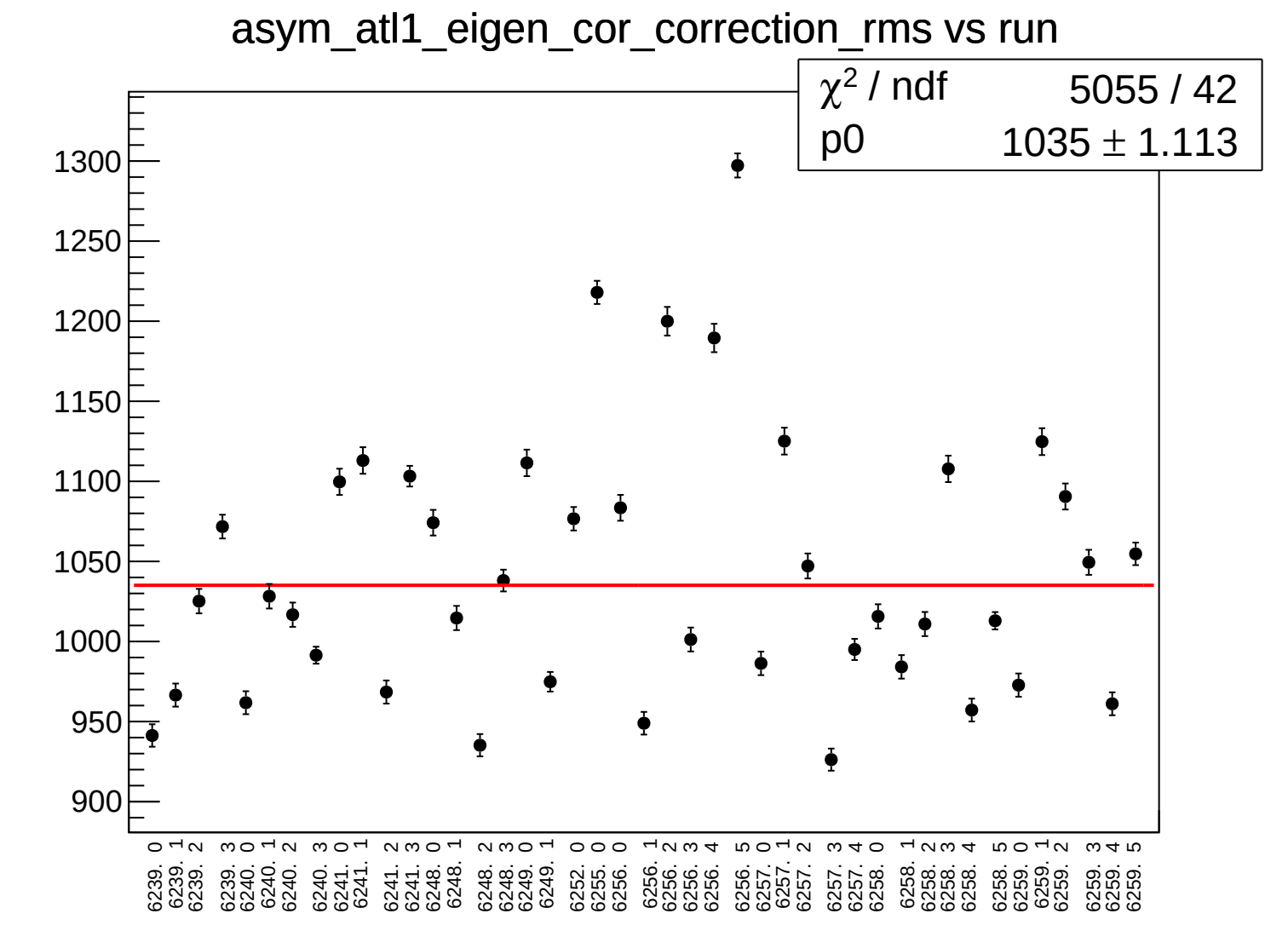

asym_atl1_cor_correction_rms vs run
χ² / ndf 5055 / 42
p0 1035 ± 1.113
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

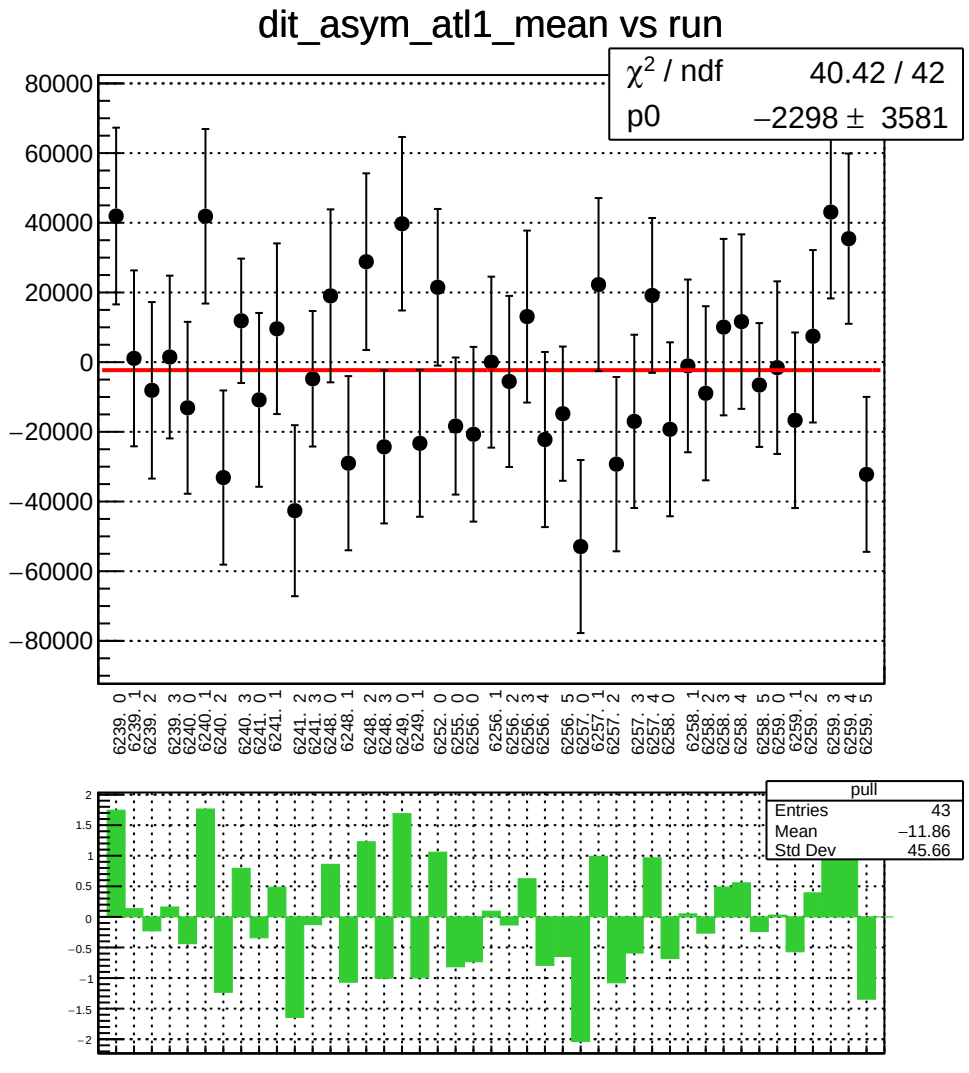

eigen_cor_asym_atl1_mean vs run
χ² / ndf 41.04 / 42
p0 −2374 ± 3578
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.732
Std Dev 50.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009836
Std Dev 0.9769
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

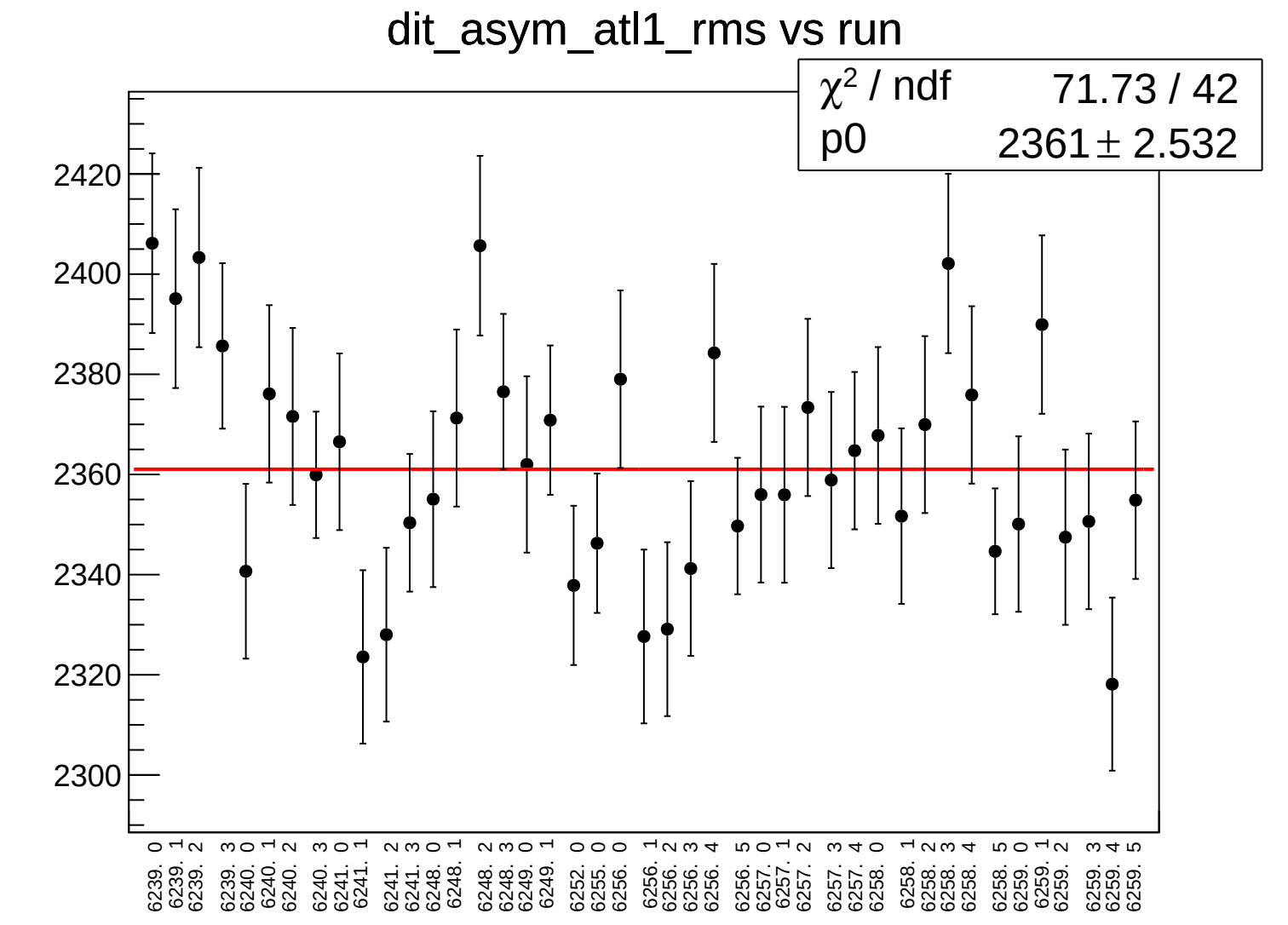

eigen_cor_asym_atl1_rms vs run
χ² / ndf 71.23 / 42
p0 2359 ± 2.53
2420
2400
2380
2360
2340
2320
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

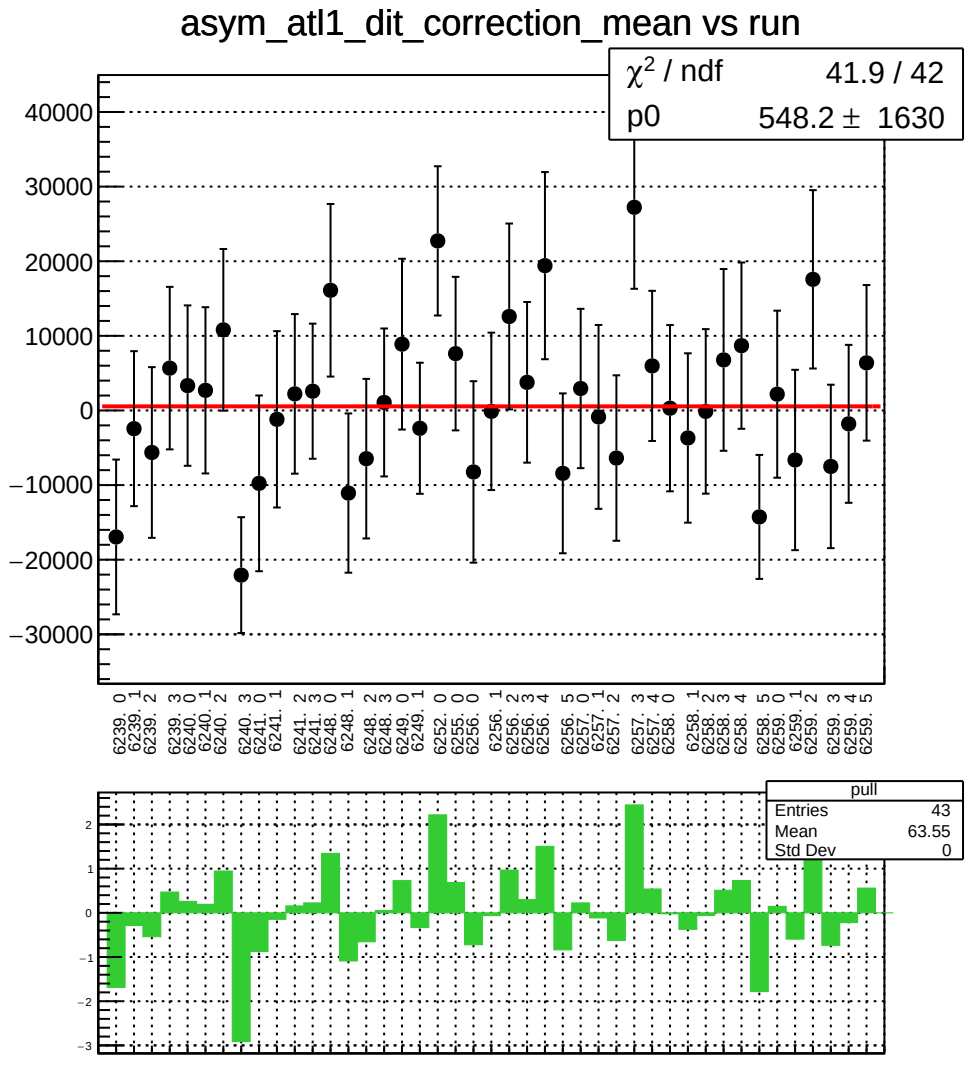

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 42.89 / 42
p0 414.5 ± 1574
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.12
Std Dev 0
2
1
0
−1
−2
−3

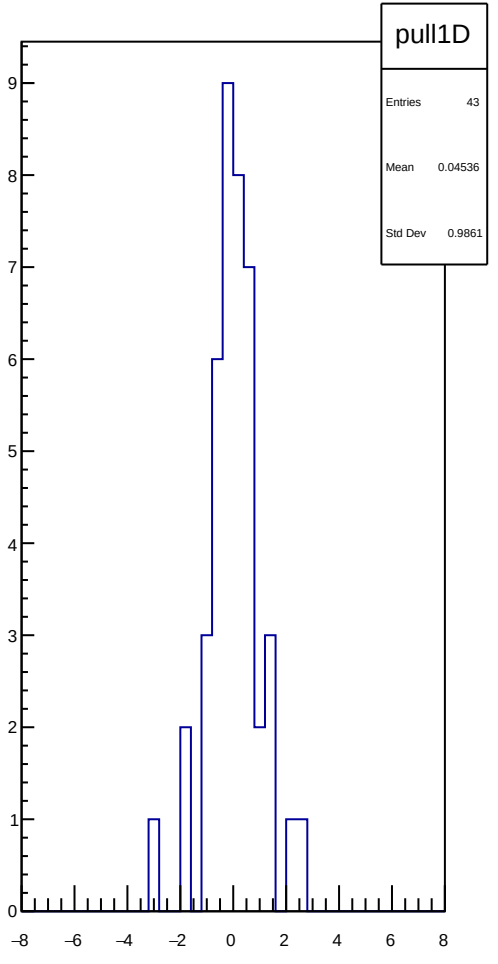

pull1D
Entries 43
Mean 0.04736
Std Dev 0.9976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

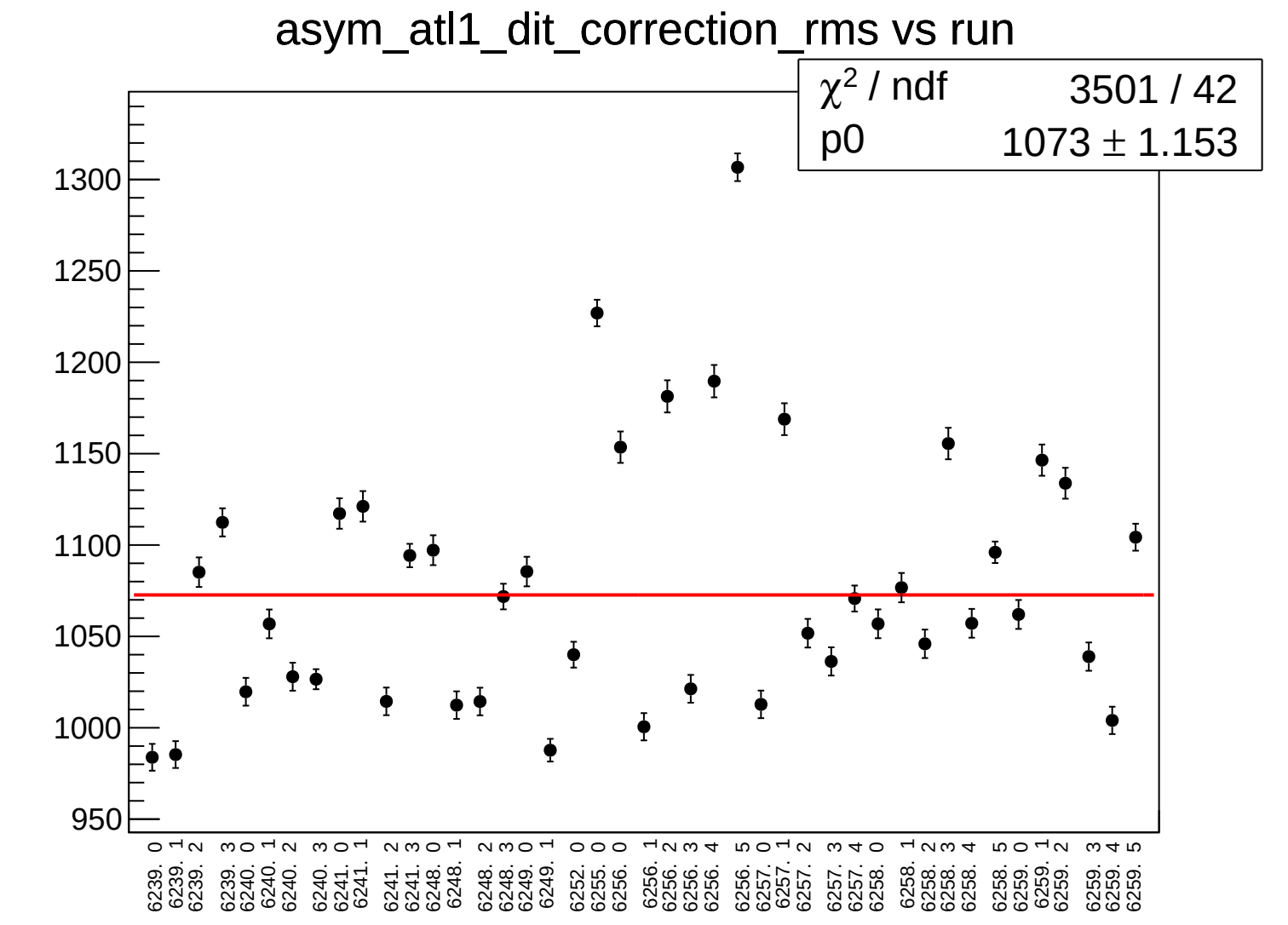

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 5055 / 42
p0 1035 ± 1.113
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

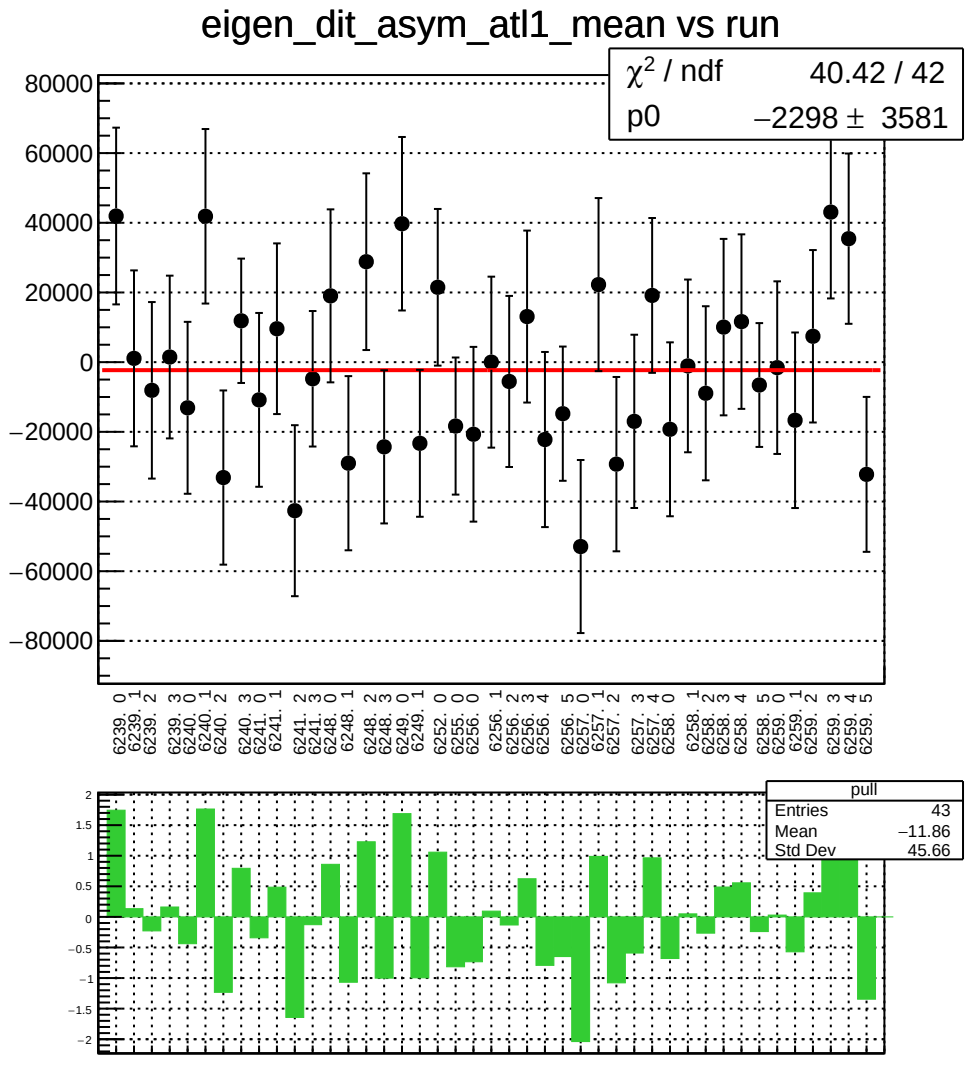

dit_asym_atl1_mean vs run
χ² / ndf 40.42 / 42
p0 −2298 ± 3581
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −11.86
Std Dev 45.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01093
Std Dev 0.9695
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

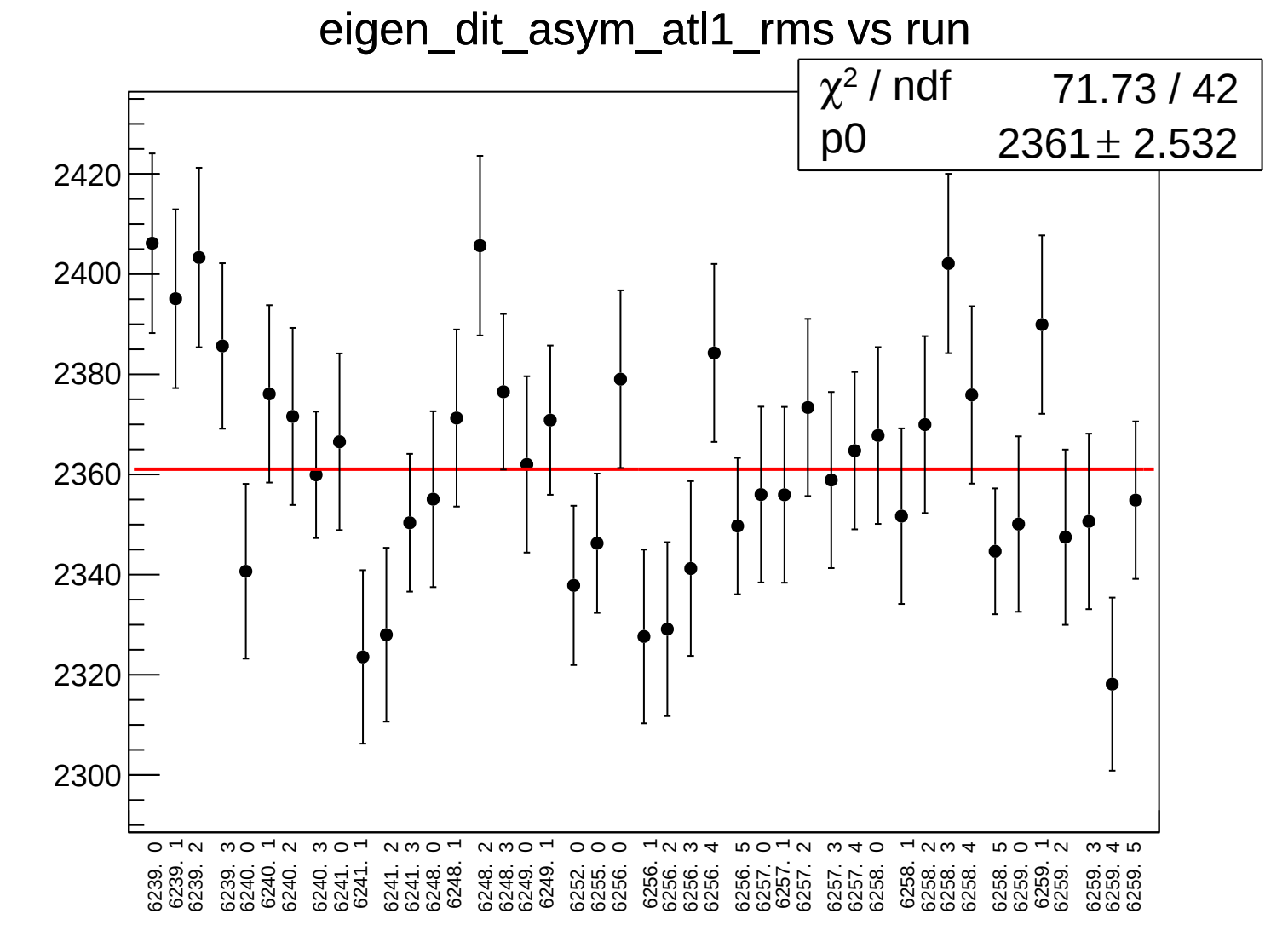

dit_asym_atl1_rms vs run
χ² / ndf 71.73 / 42
p0 2361 ± 2.532
2420
2400
2380
2360
2340
2320
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

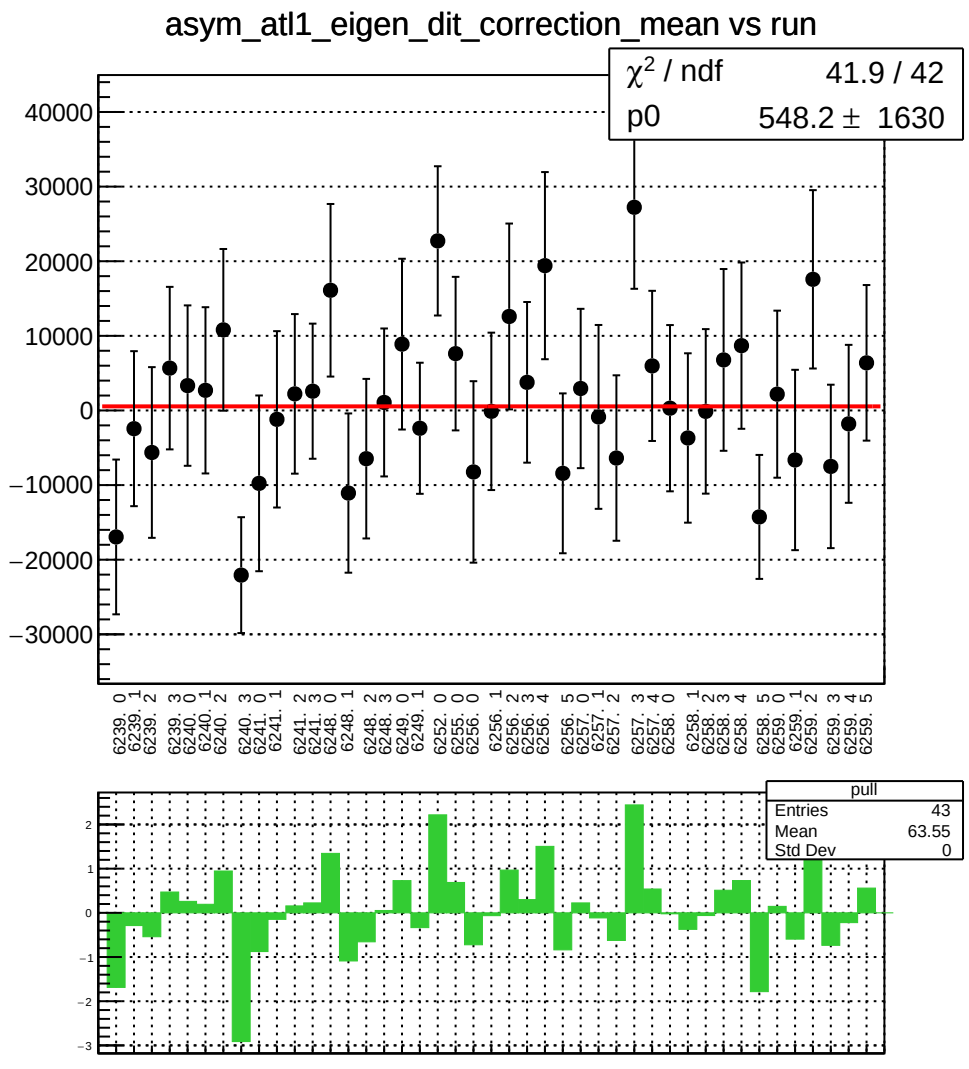

asym_atl1_dit_correction_mean vs run
χ² / ndf 41.9 / 42
p0 548.2 ± 1630
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.55
Std Dev 0
2
1
0
−1
−2
−3

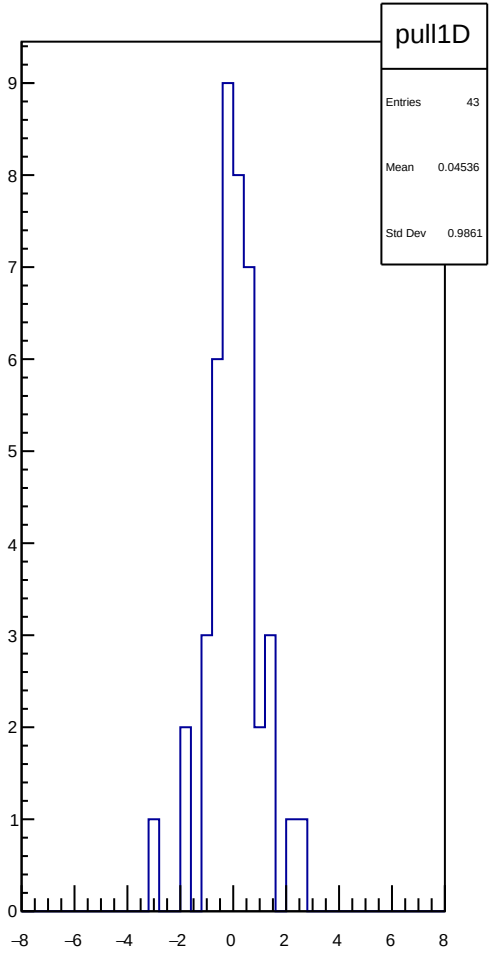

pull1D
Entries 43
Mean 0.04536
Std Dev 0.9861
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

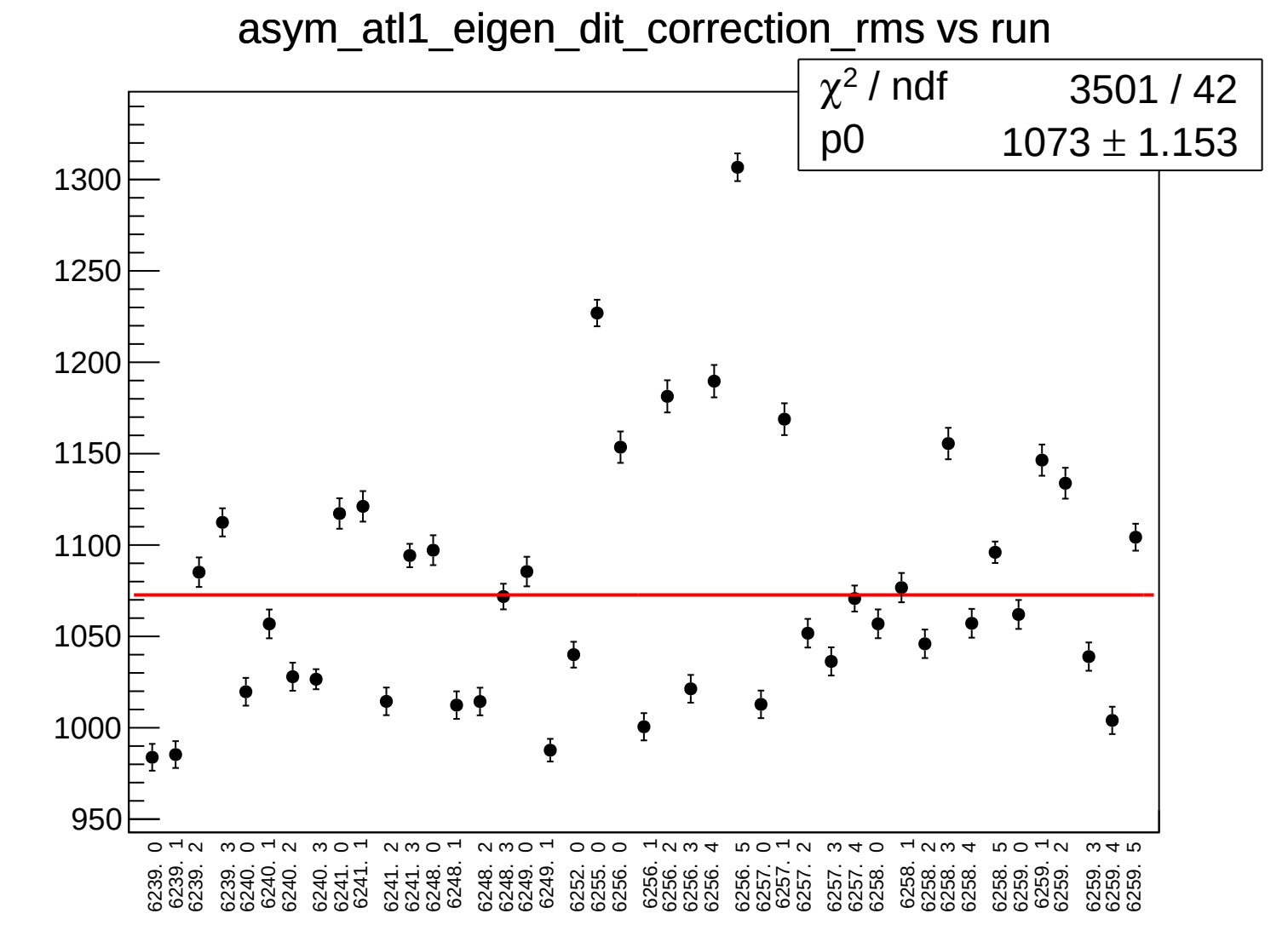

asym_atl1_dit_correction_rms vs run
χ² / ndf 3501 / 42
p0 1073 ± 1.153
1300
1250
1200
1150
1100
1050
1000
950
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

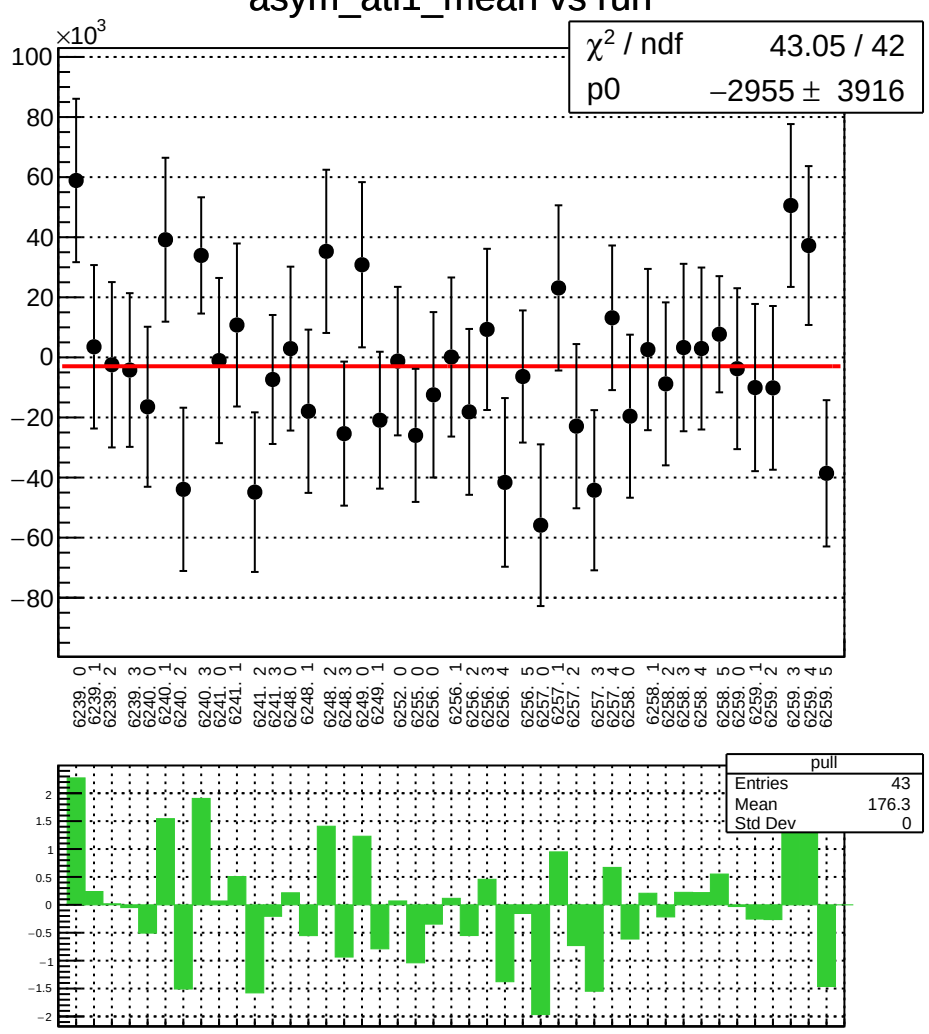

eigen_dit_asym_atl1_mean vs run
χ² / ndf 40.42 / 42
p0 −2298 ± 3581
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −11.86
Std Dev 45.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01093
Std Dev 0.9695
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

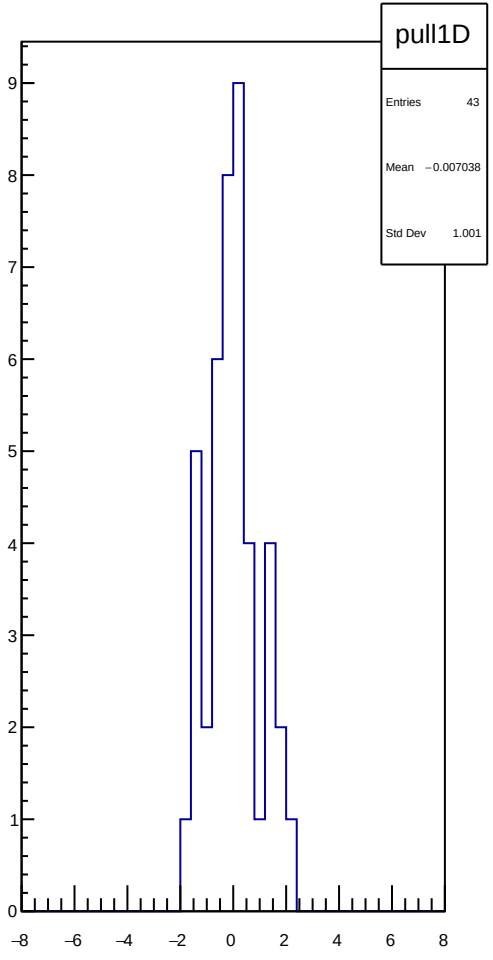

eigen_dit_asym_atl1_rms vs run
χ² / ndf 71.73 / 42
p0 2361 ± 2.532
2420
2400
2380
2360
2340
2320
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

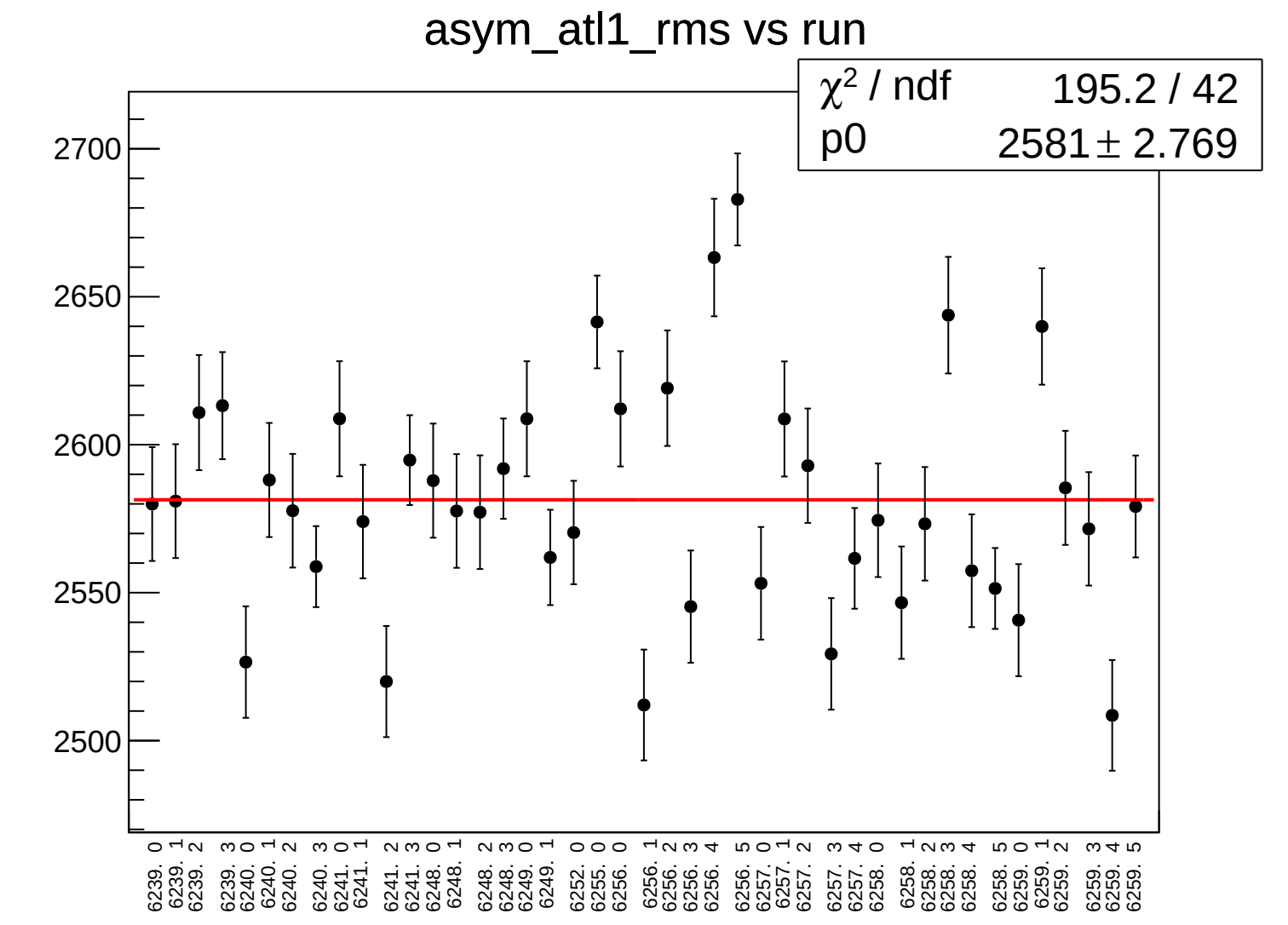

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 41.9 / 42
p0 548.2 ± 1630
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.55
Std Dev 0
2
1
0
−1
−2
−3

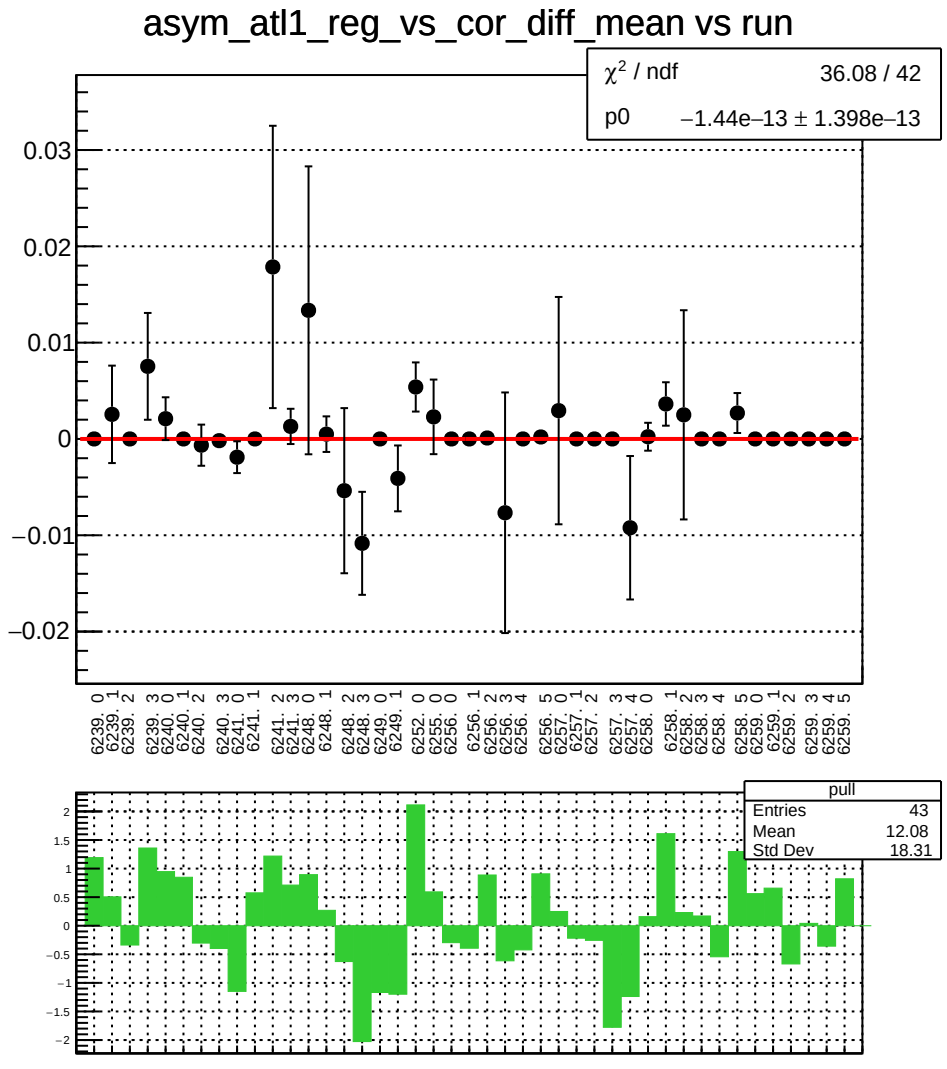

pull1D
Entries 43
Mean 0.04536
Std Dev 0.9861
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

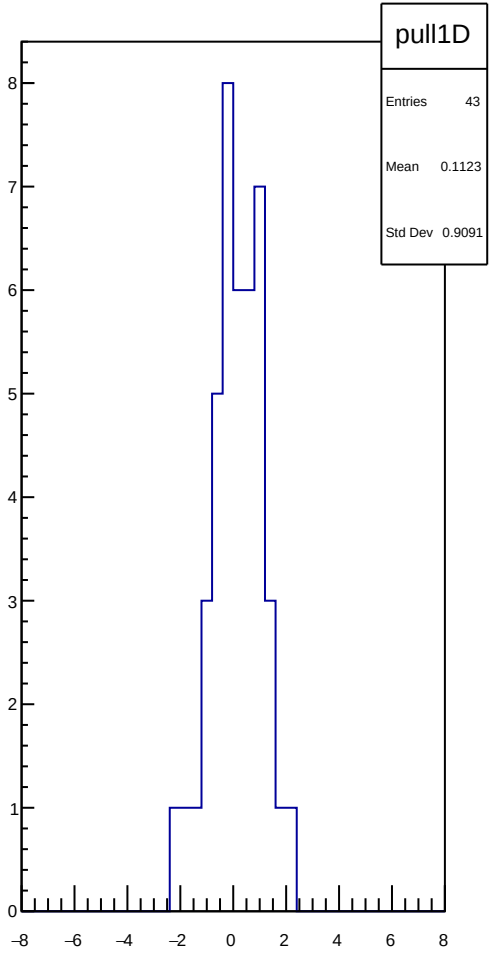

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 3501 / 42
p0 1073 ± 1.153
1300
1250
1200
1150
1100
1050
1000
950
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

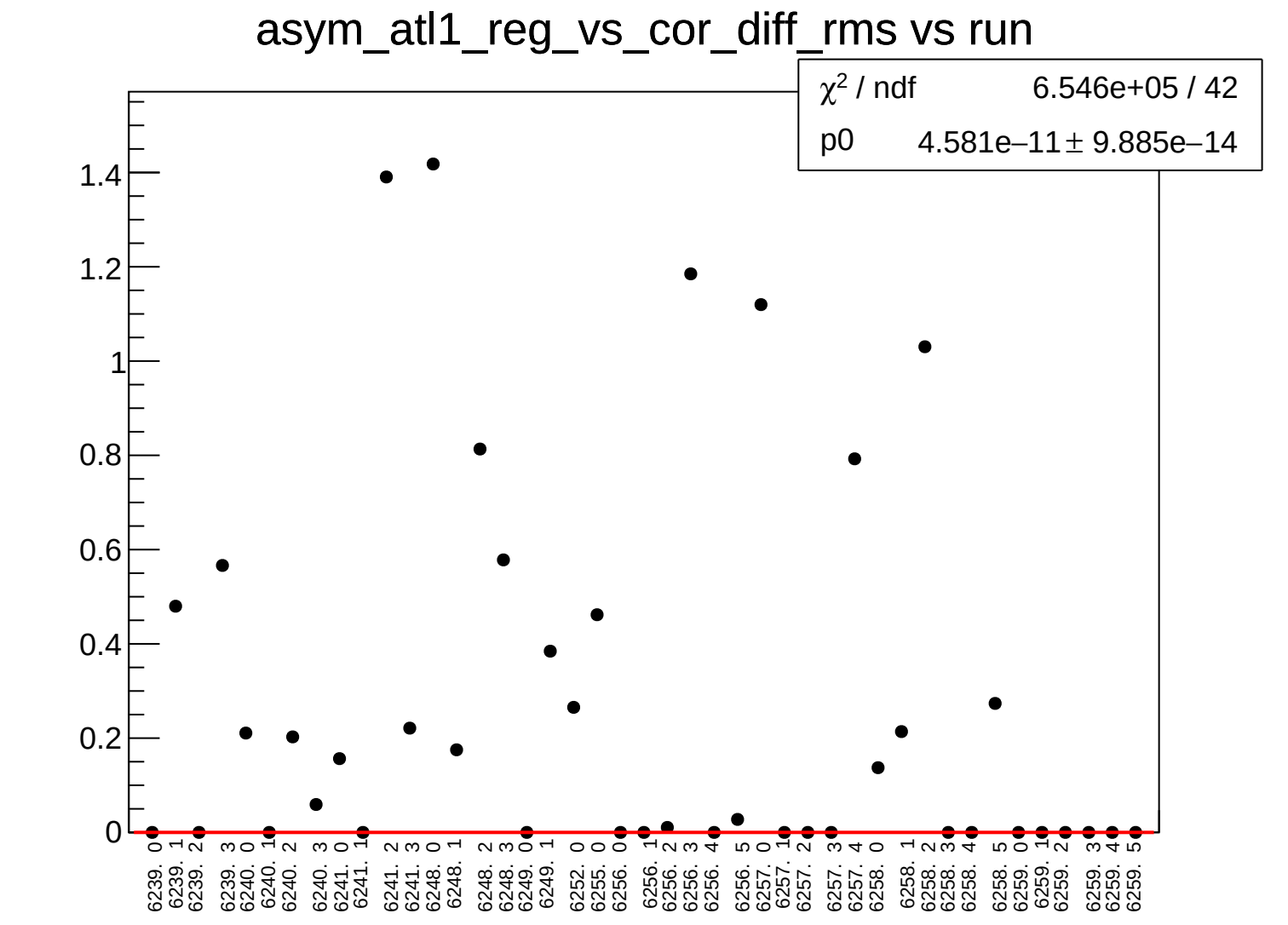

asym_atl1_mean vs run
×10^3
χ² / ndf 43.05 / 42
p0 −2955 ± 3916
100
80
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 176.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

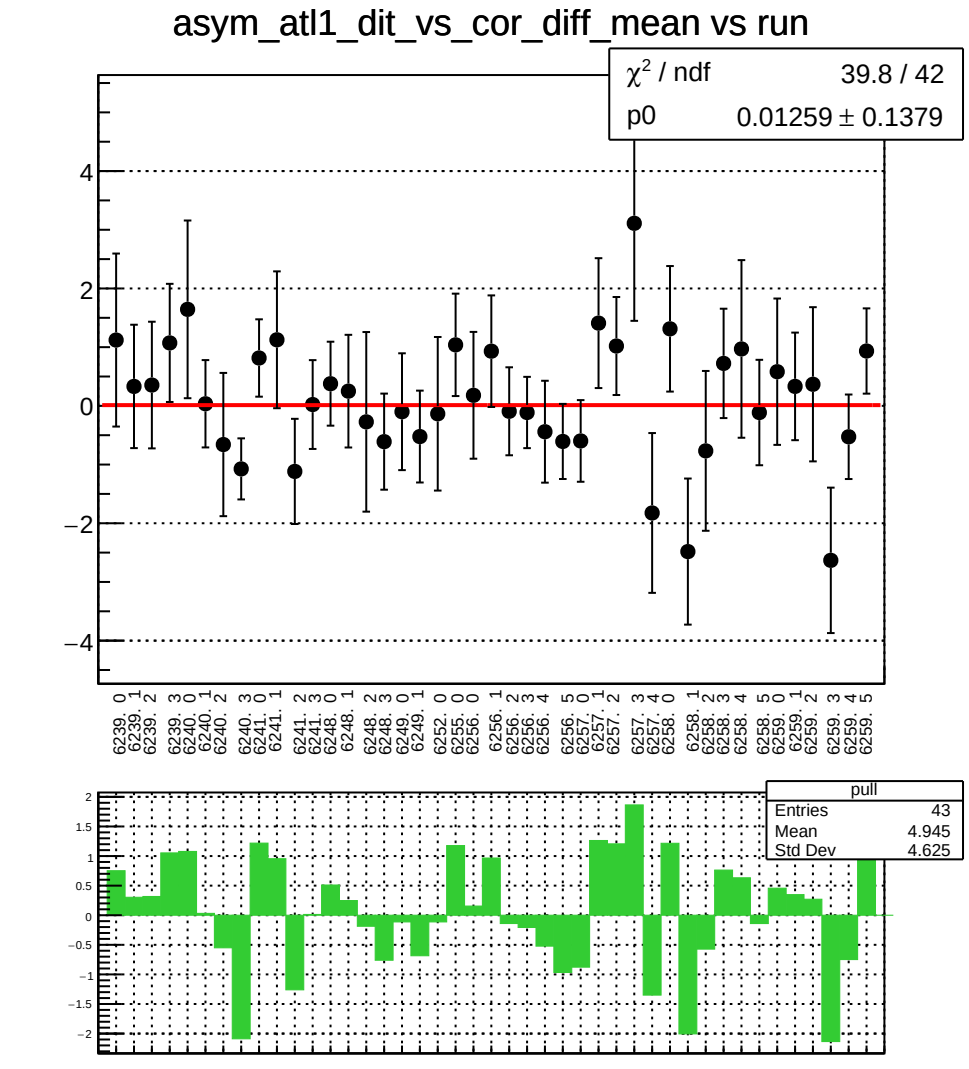

pull1D
Entries 43
Mean −0.007038
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

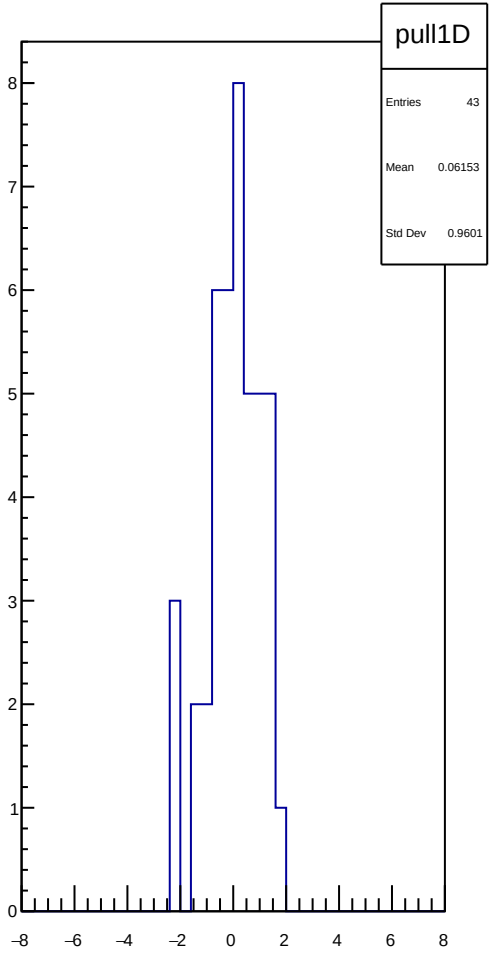

asym_atl1_rms vs run
χ² / ndf 195.2 / 42
p0 2581 ± 2.769
2700
2650
2600
2550
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

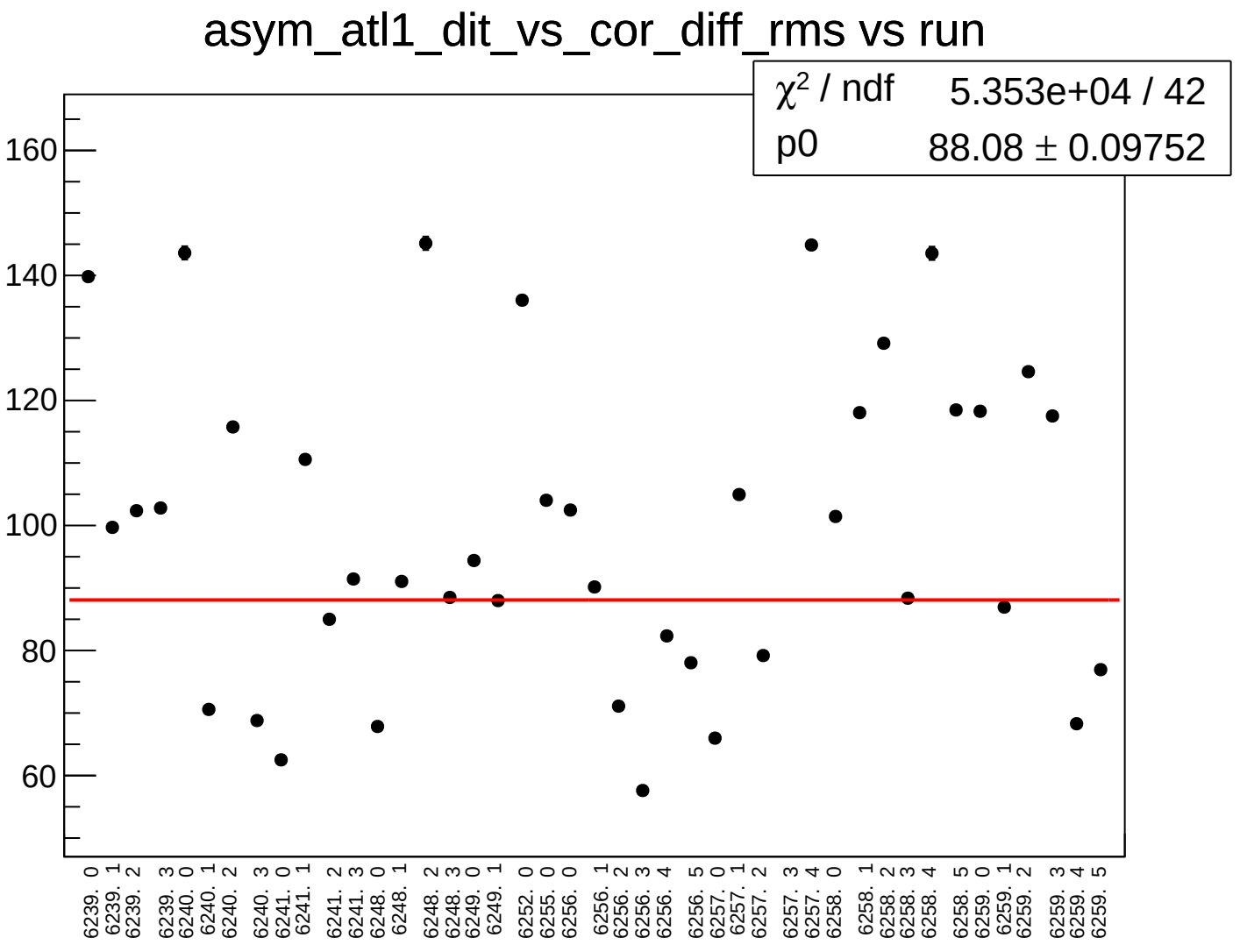

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 36.08 / 42
p0 −1.44e−13 ± 1.398e−13
0.03
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.08
Std Dev 18.31
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

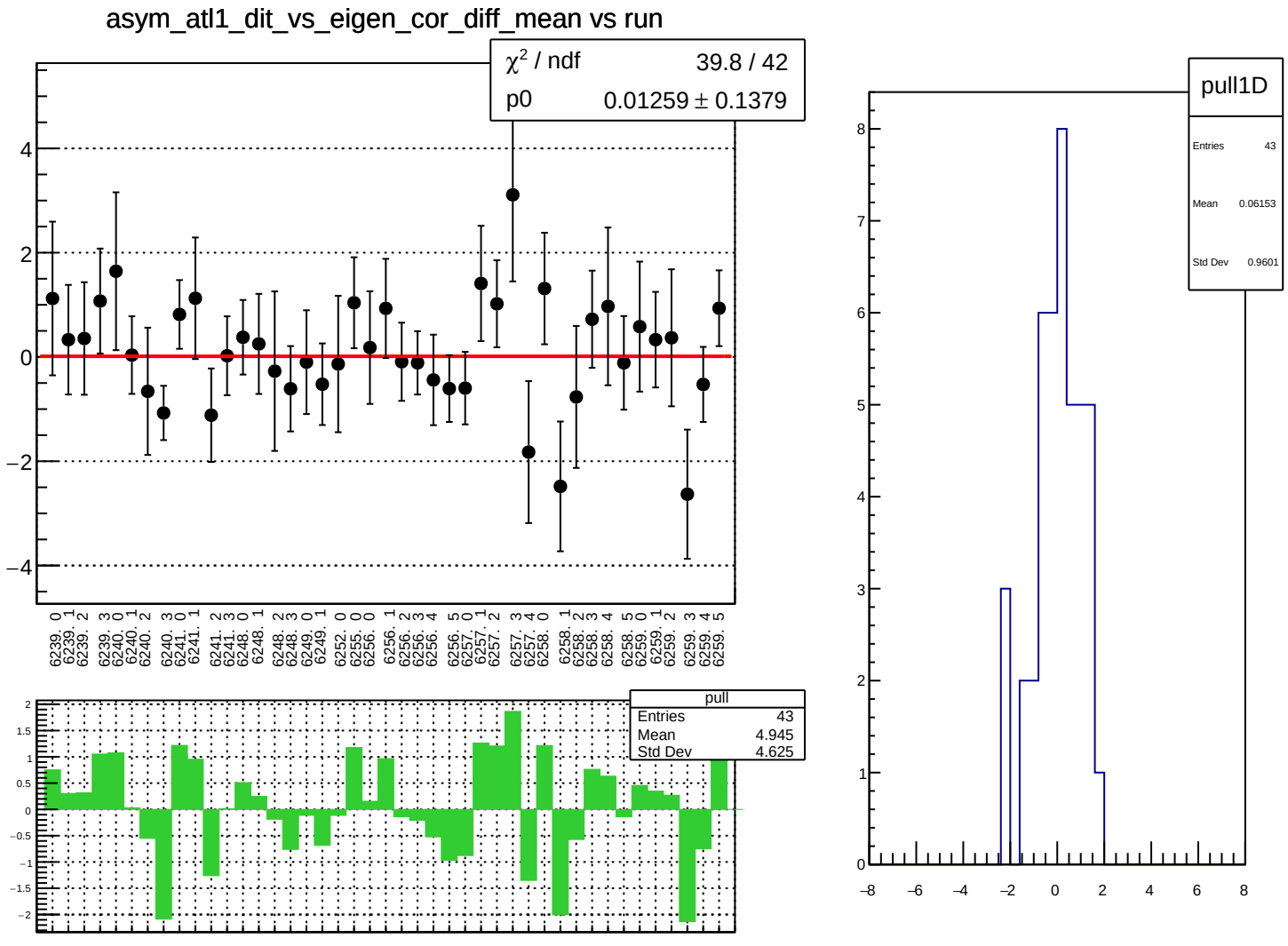

pull1D
Entries 43
Mean 0.1123
Std Dev 0.9091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

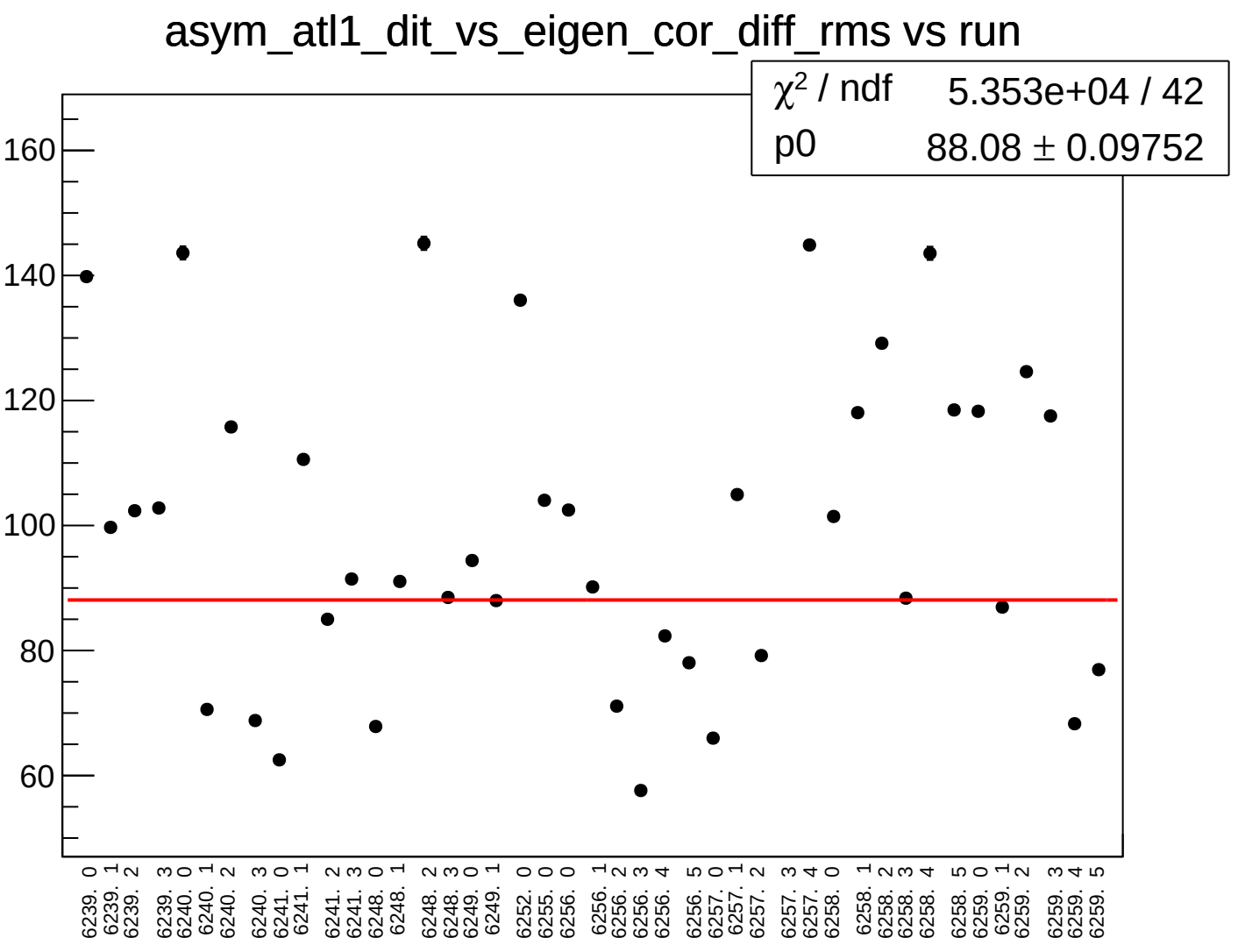

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.546e+05 / 42
p0 4.581e−11 ± 9.885e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

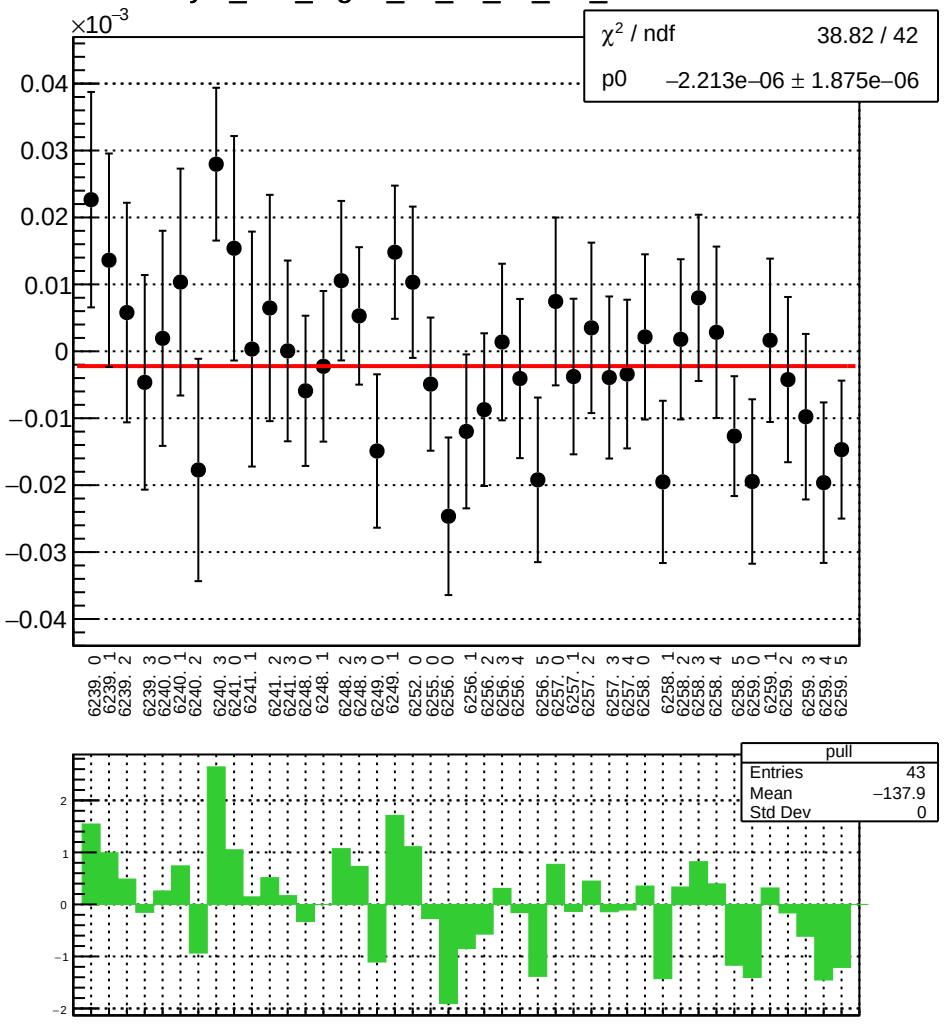

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 39.8 / 42
p0 0.01259 ± 0.1379
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.945
Std Dev 4.625
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

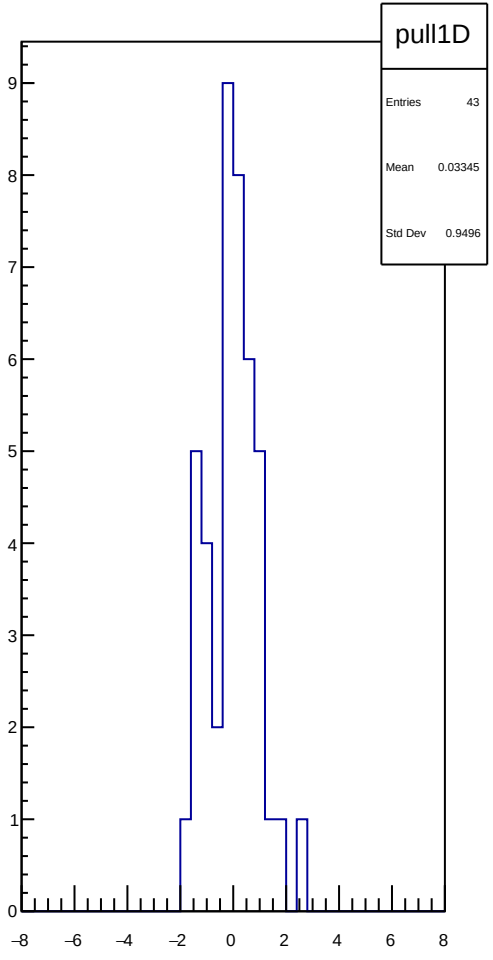

pull1D
Entries 43
Mean 0.06153
Std Dev 0.9601
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

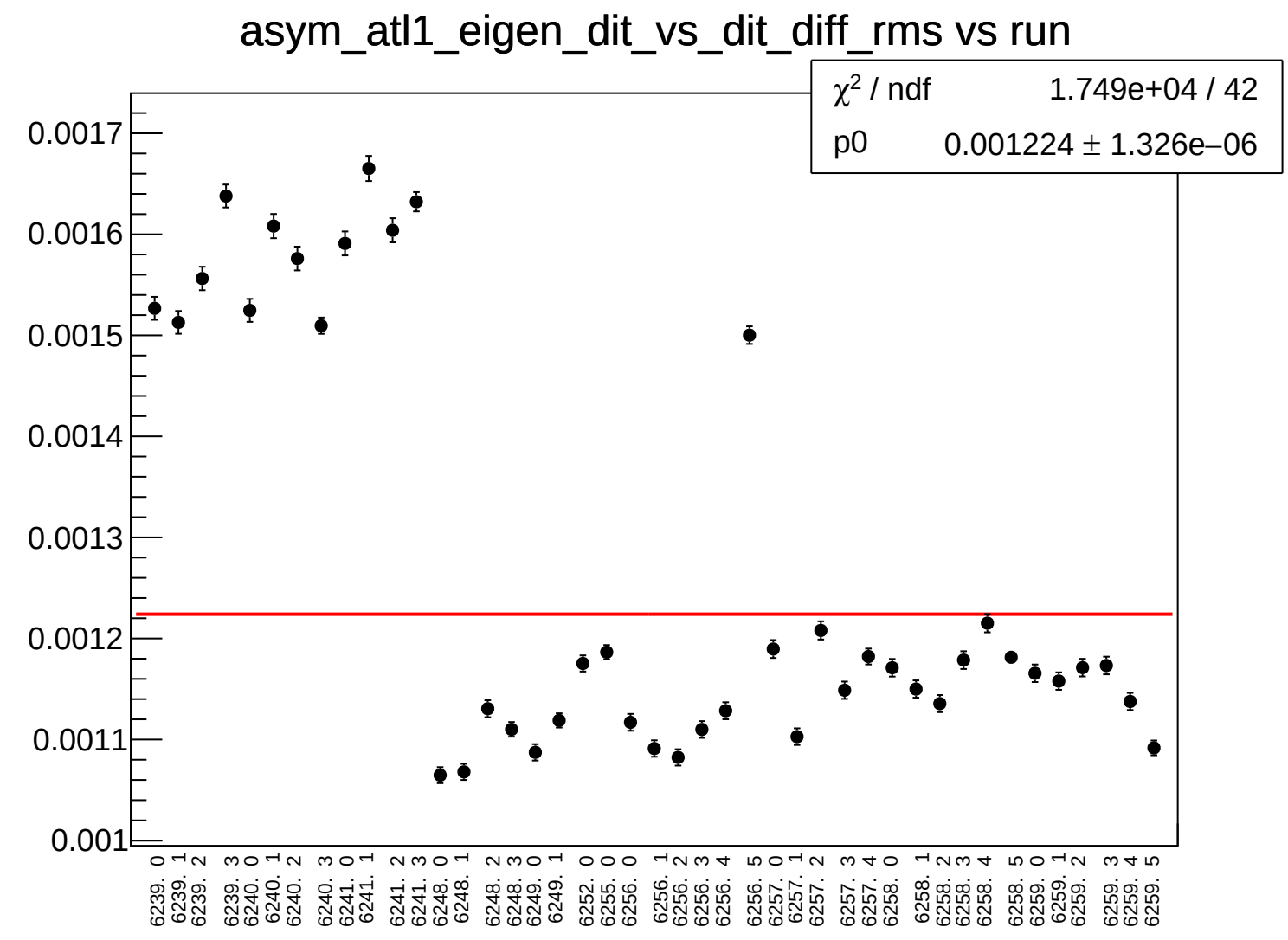

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 5.353e+04 / 42
p0 88.08 ± 0.09752
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.8 / 42
p0 0.01259 ± 0.1379
pull
Entries 43
Mean 4.945
Std Dev 4.625
pull1D
Entries 43
Mean 0.06153
Std Dev 0.9601

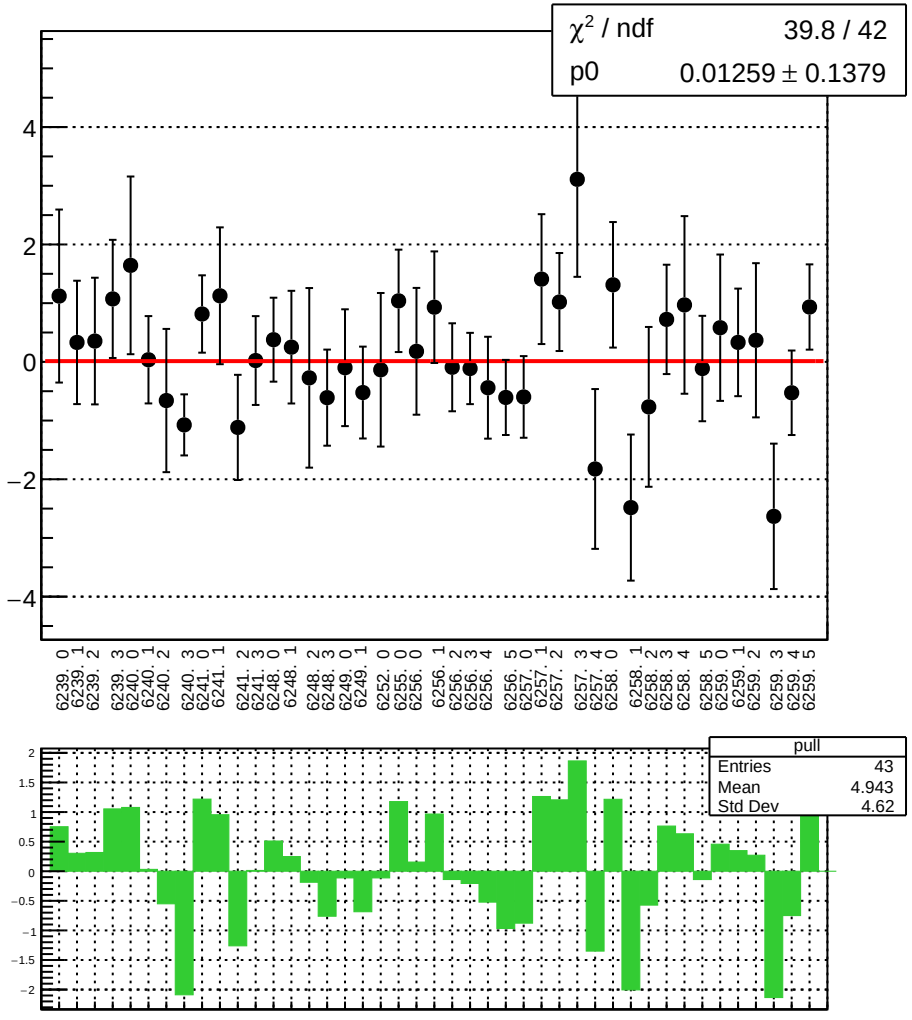

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.353e+04 / 42
p0 88.08 ± 0.09752
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.82 / 42
p0 −2.213e−06 ± 1.875e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −137.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03345
Std Dev 0.9496
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

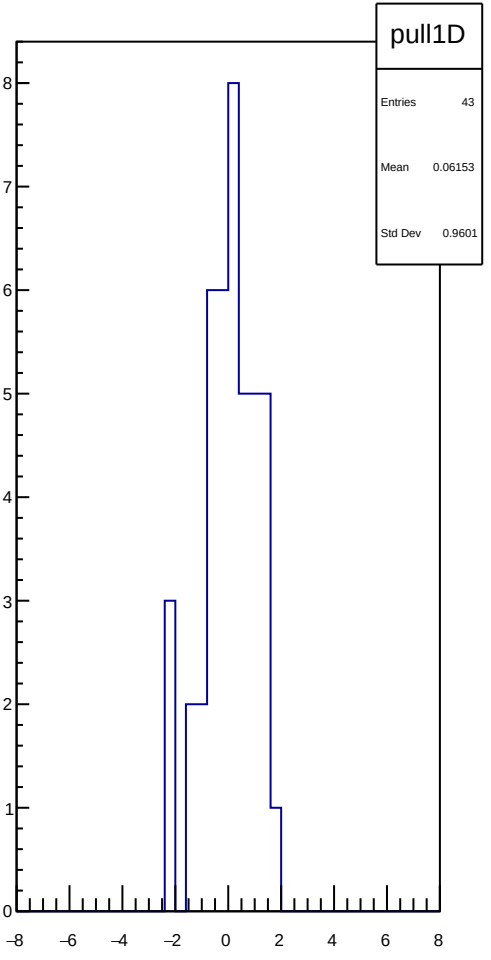

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.749e+04 / 42
p0 0.001224 ± 1.326e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

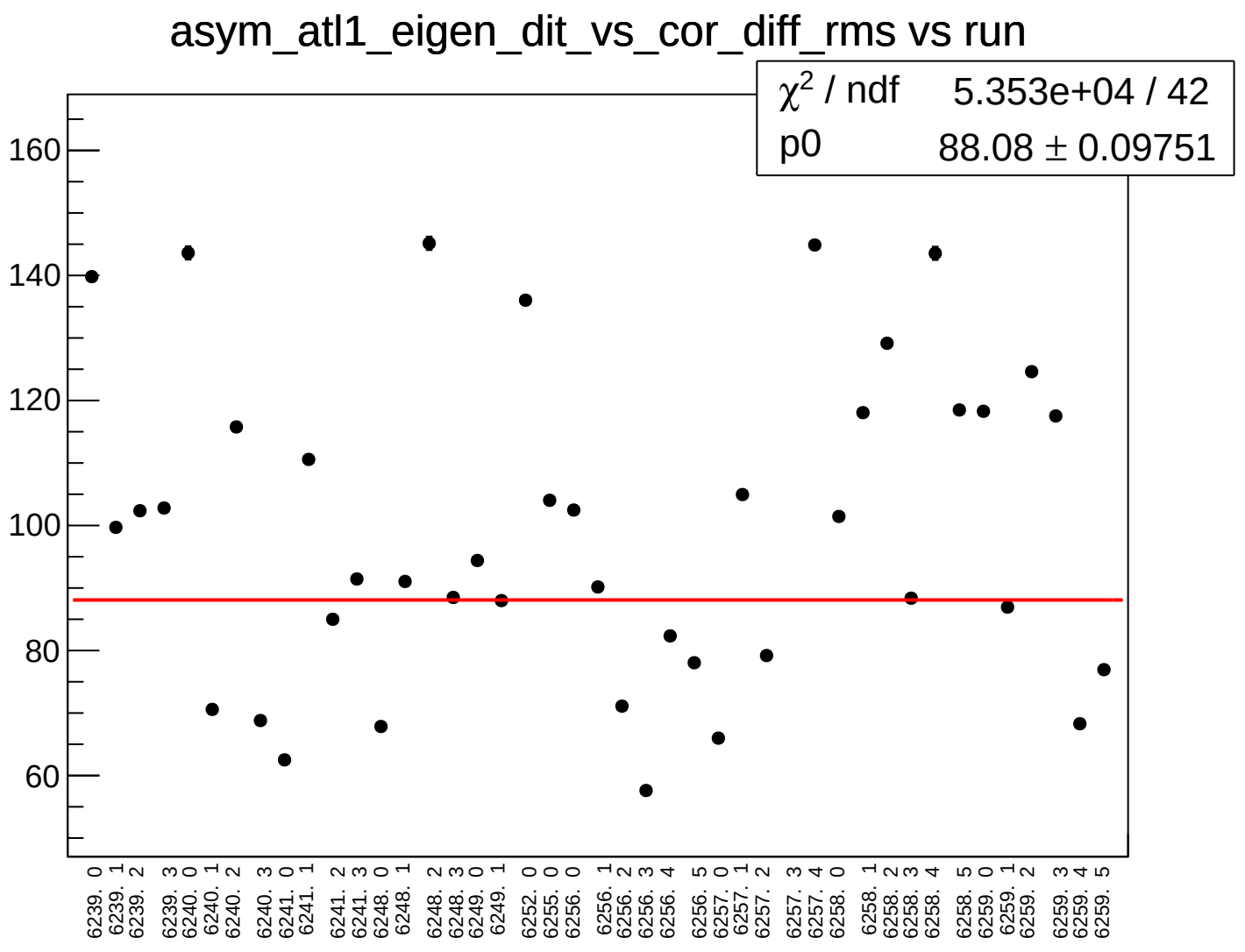
asym_atl1_eigen_dit_vs_cor_diff_mean vs run

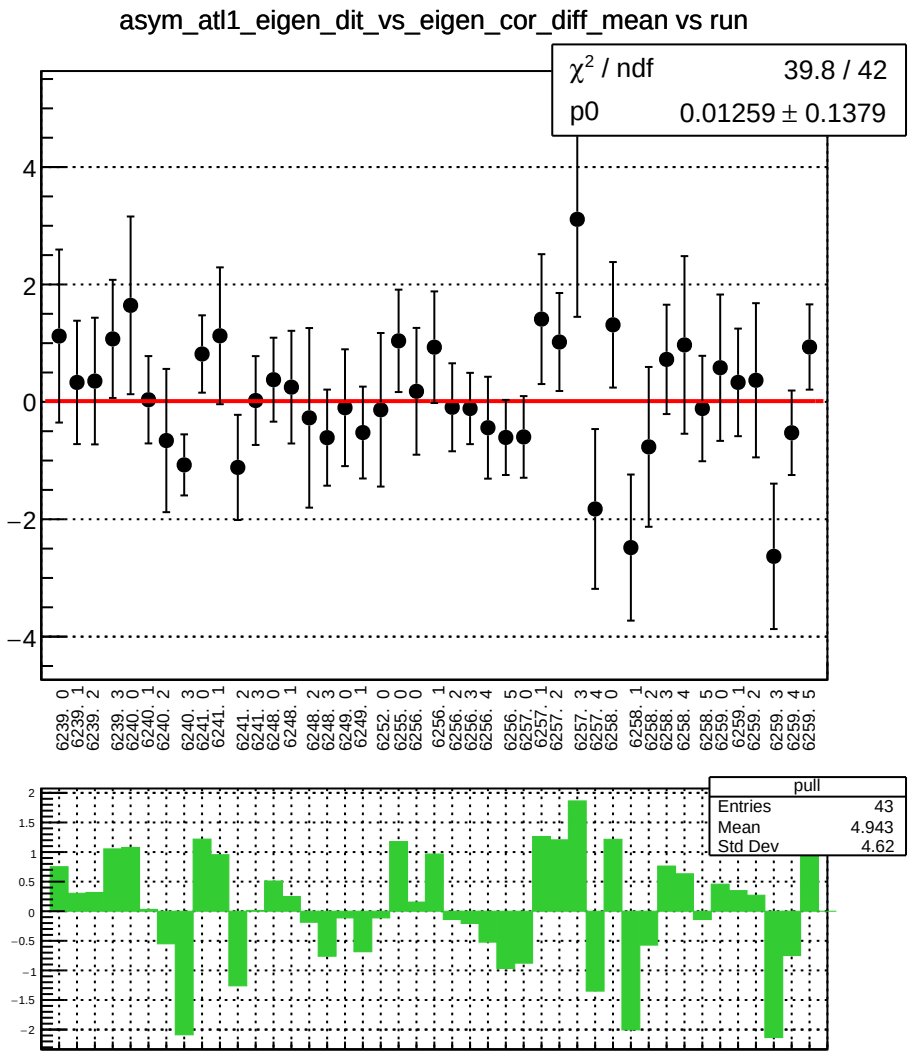


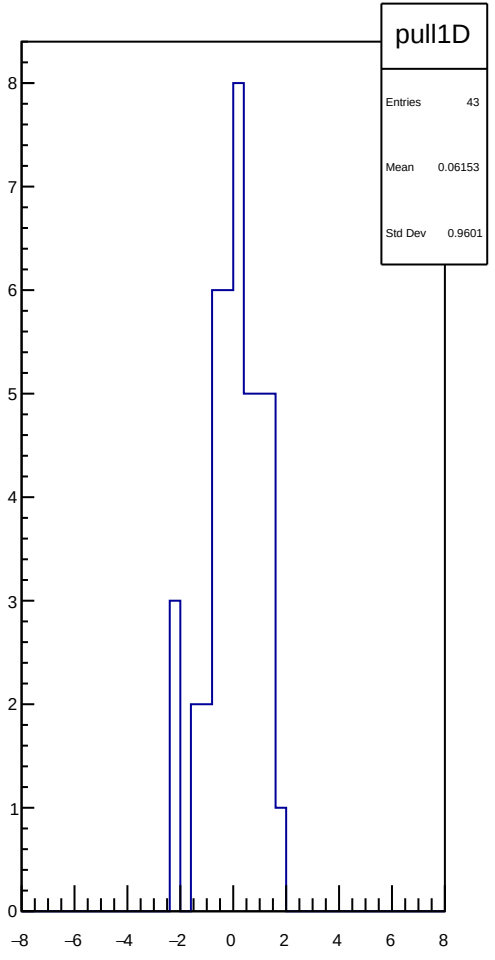


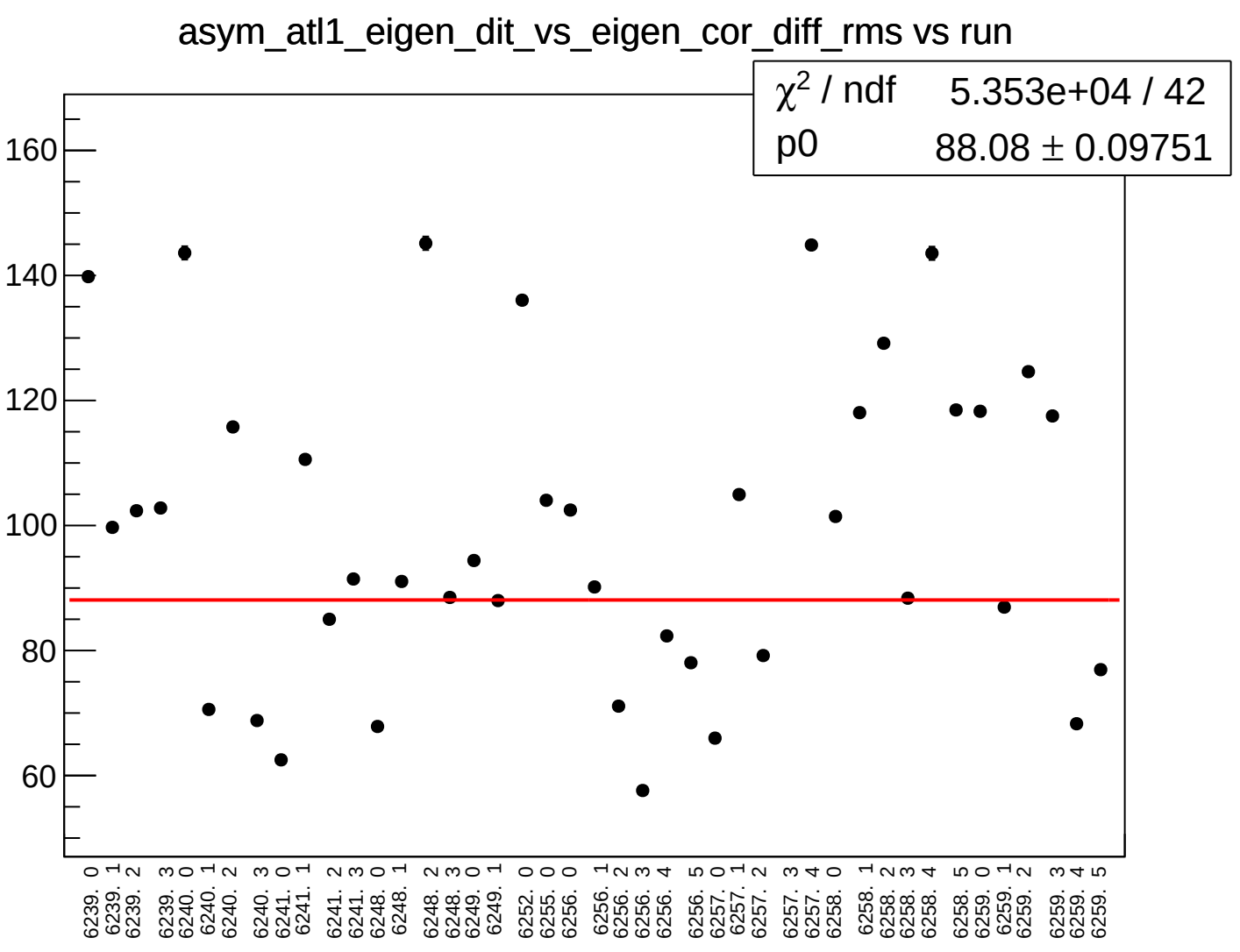


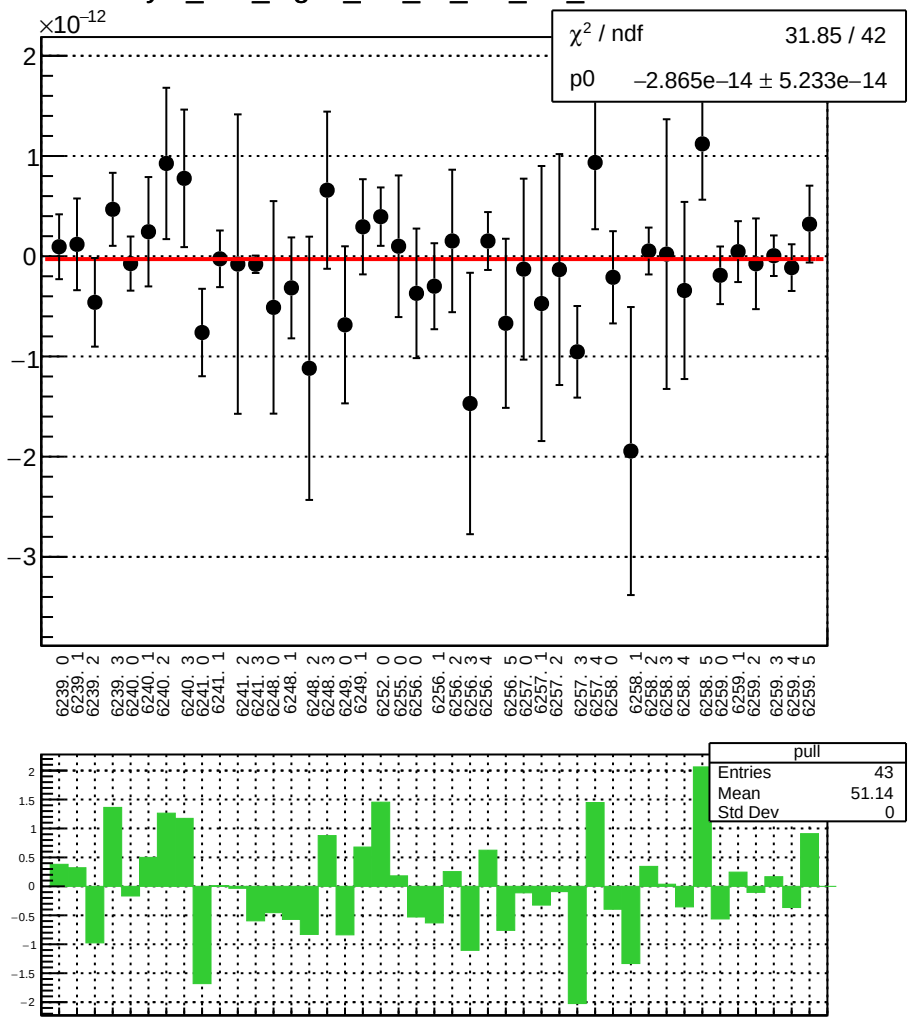


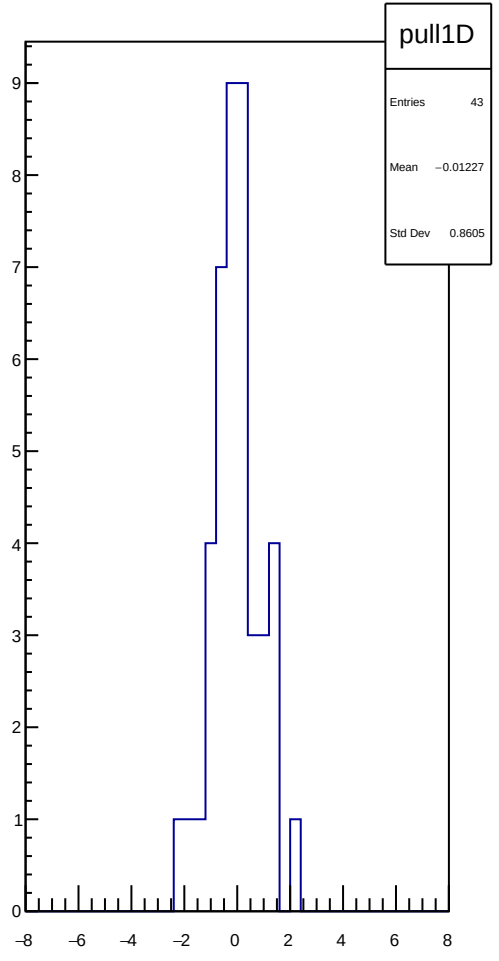

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.353e+04 / 42
p0 88.08 ± 0.09751
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

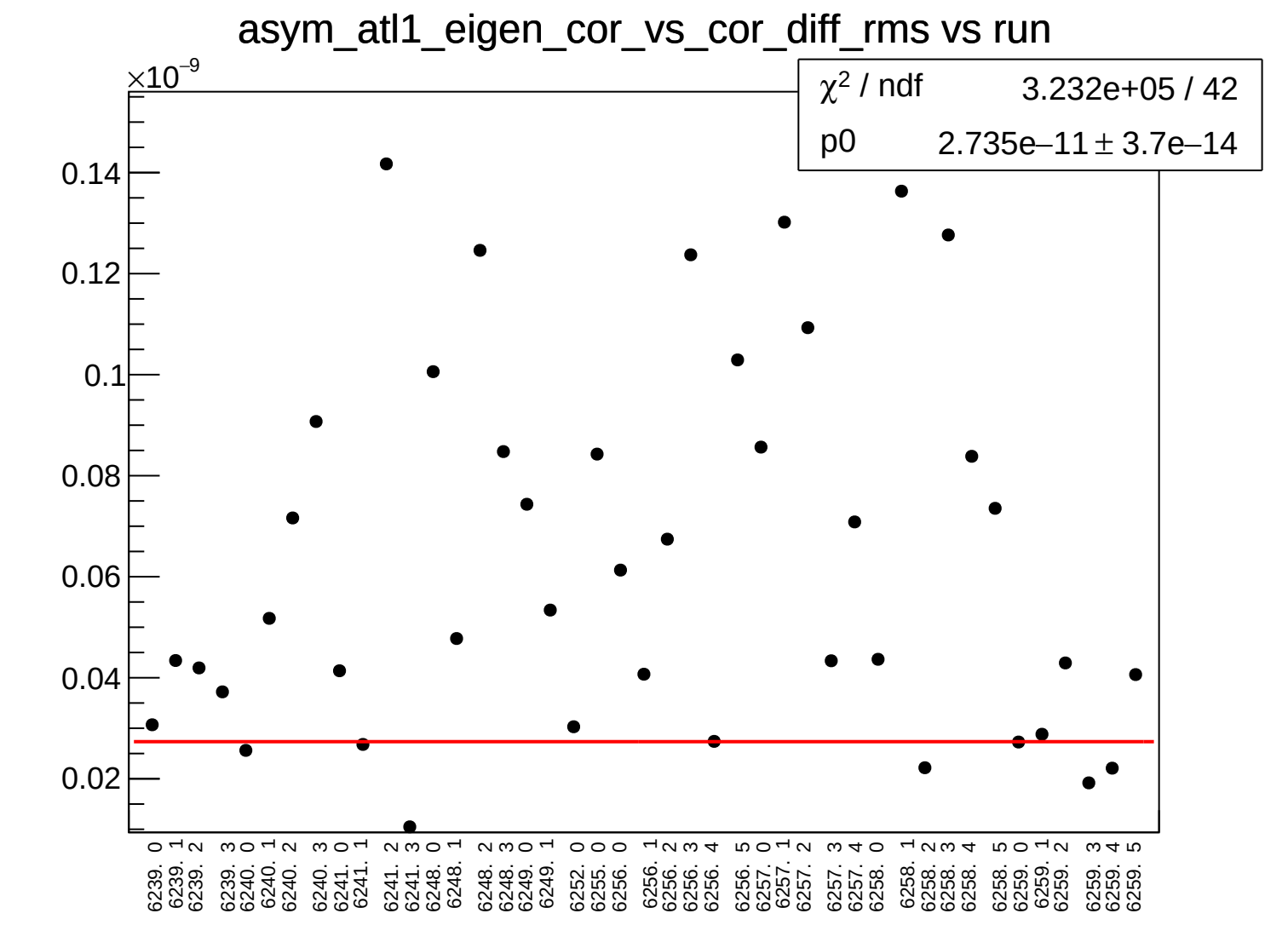

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.8 / 42
p0 0.01259 ± 0.1379
pull
Entries 43
Mean 4.943
Std Dev 4.62

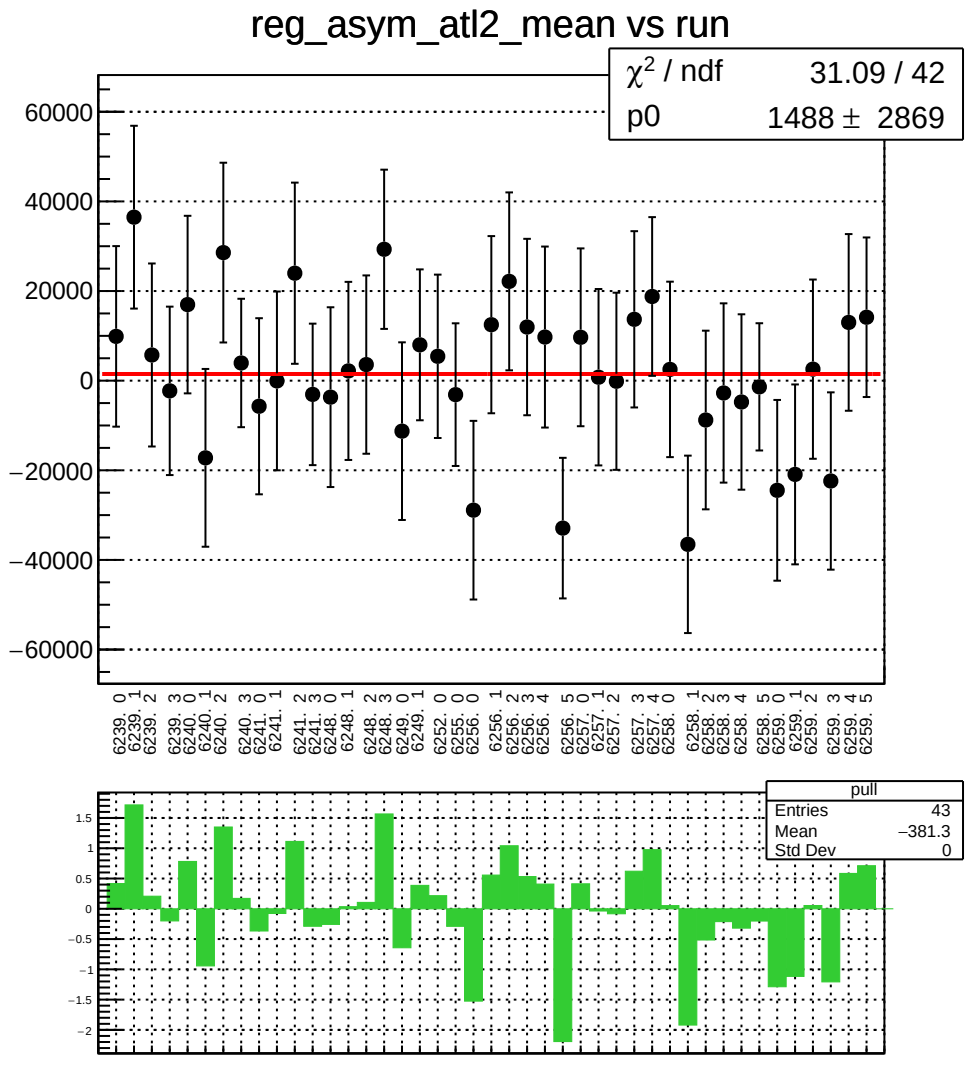

pull1D
Entries 43
Mean 0.06153
Std Dev 0.9601

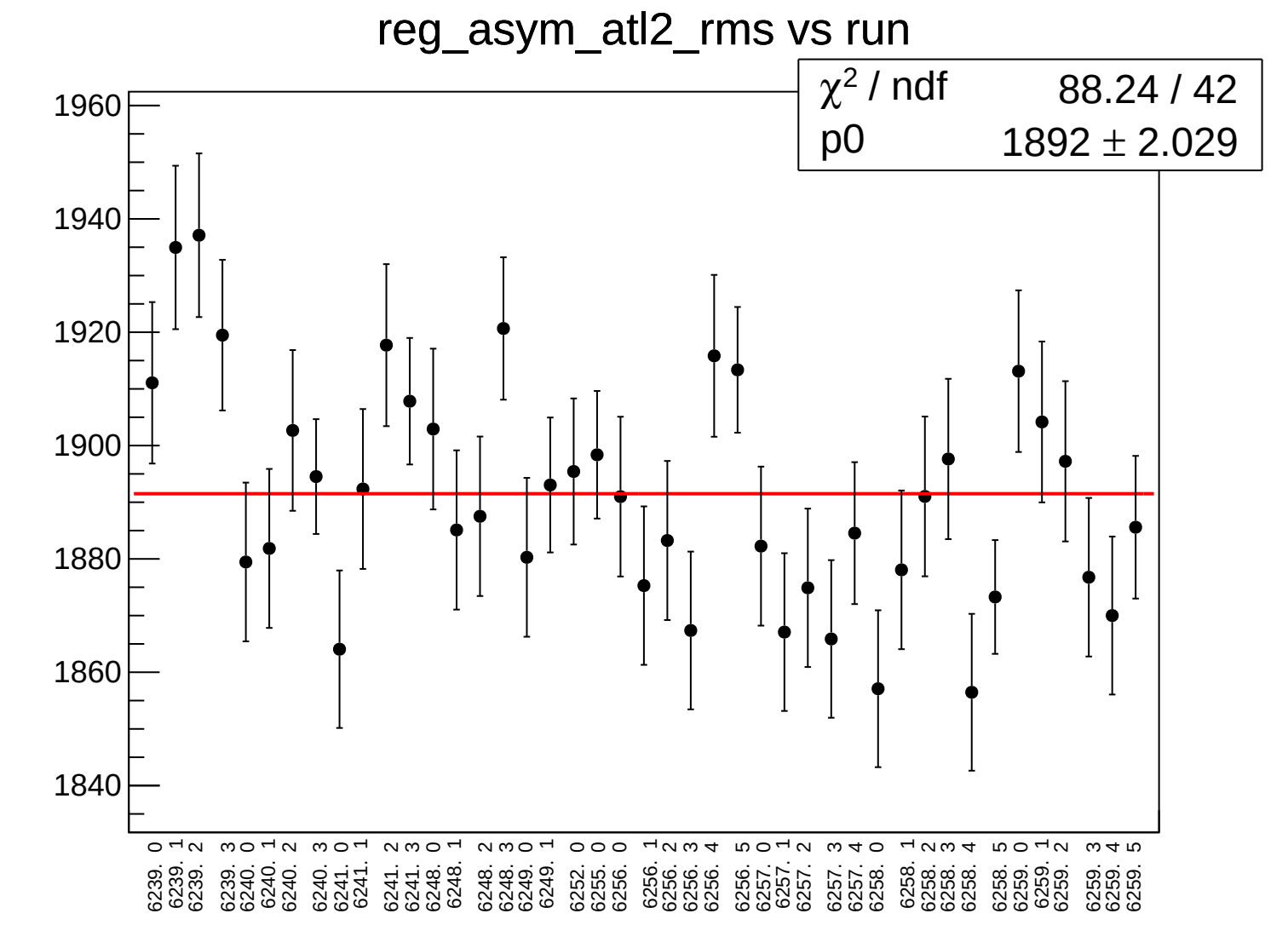

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.353e+04 / 42
p0 88.08 ± 0.09751
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

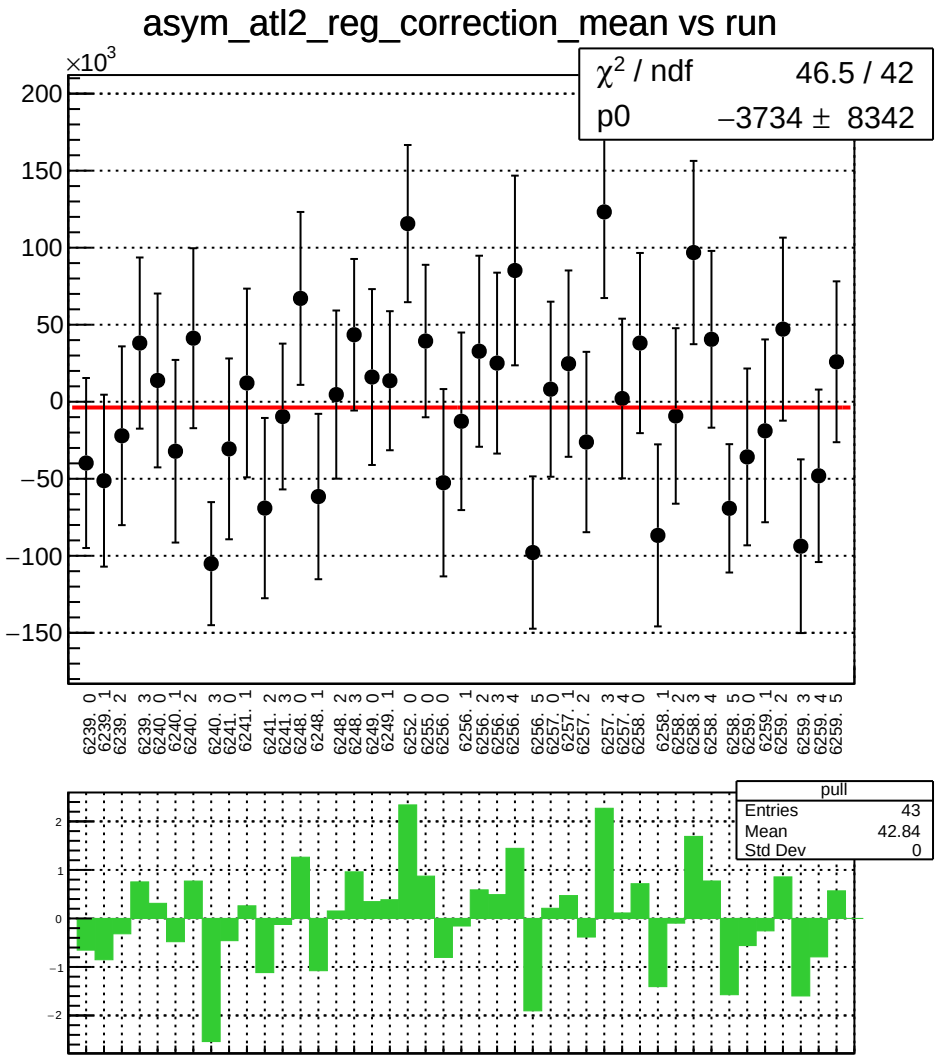

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 31.85 / 42
p0 −2.865e−14 ± 5.233e−14
pull
Entries 43
Mean 51.14
Std Dev 0

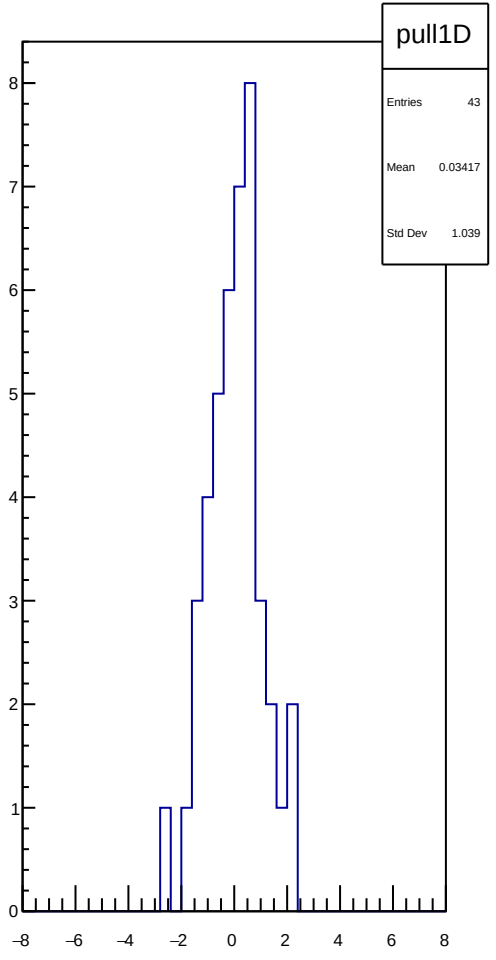

pull1D
Entries 43
Mean −0.01227
Std Dev 0.8605

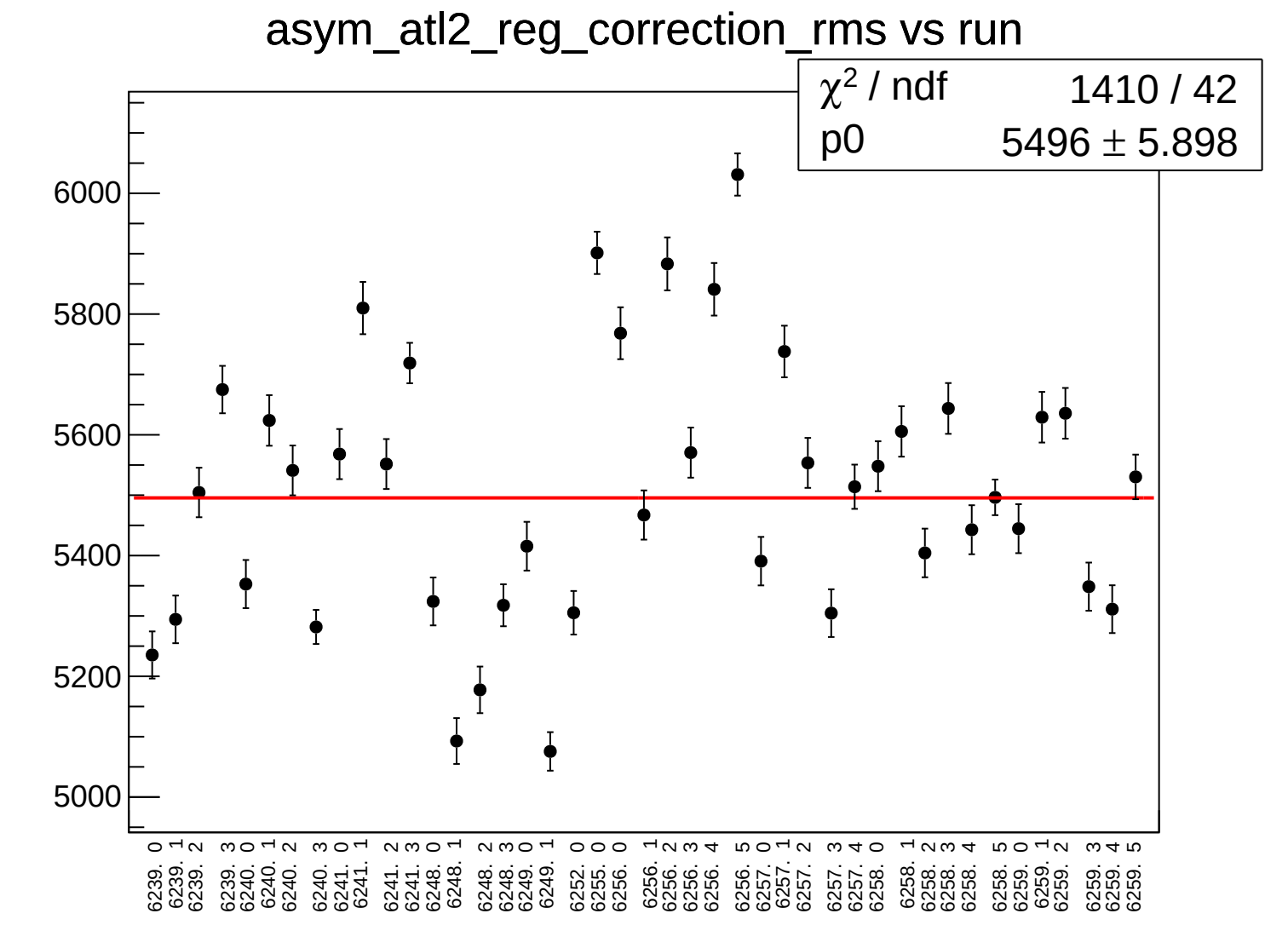

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.232e+05 / 42
p0 2.735e−11 ± 3.7e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

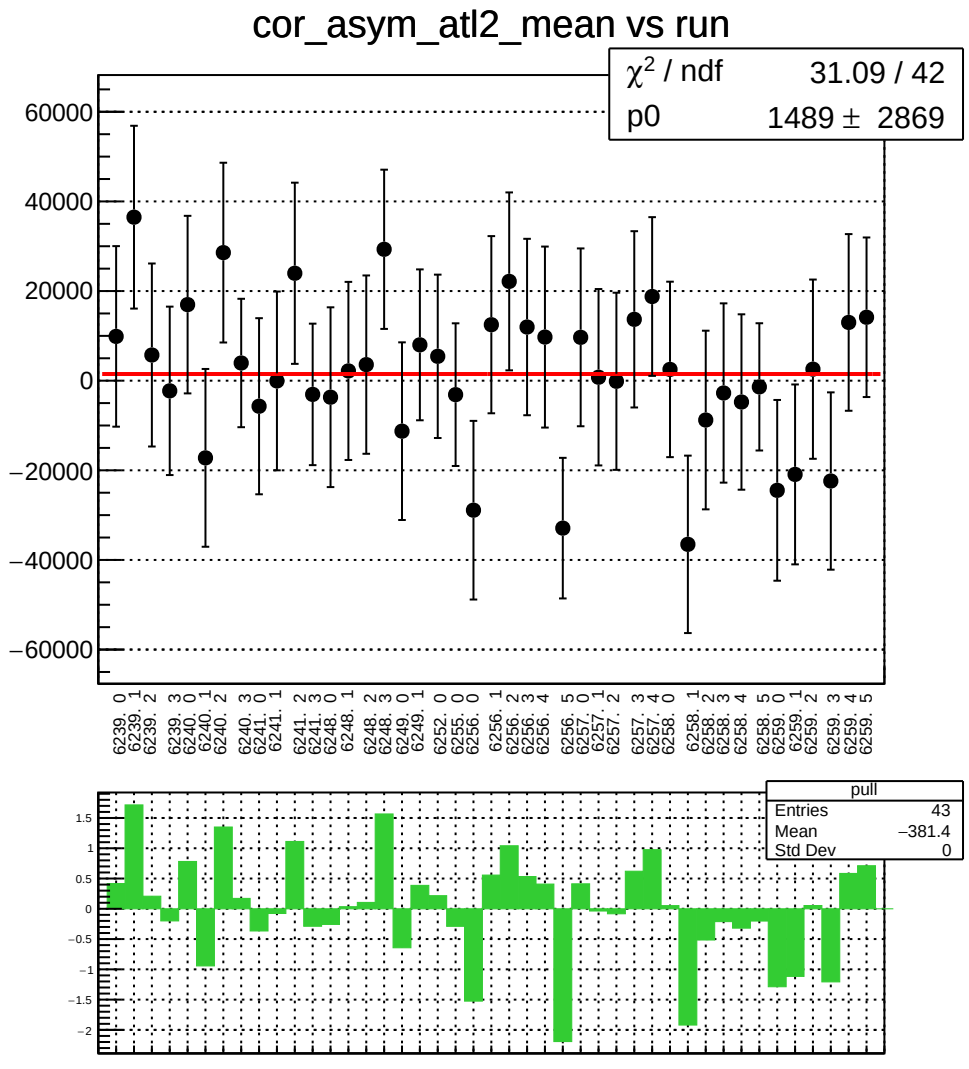

reg_asym_atl2_mean vs run
χ² / ndf 31.09 / 42
p0 1488 ± 2869
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −381.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007809
Std Dev 0.8502
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

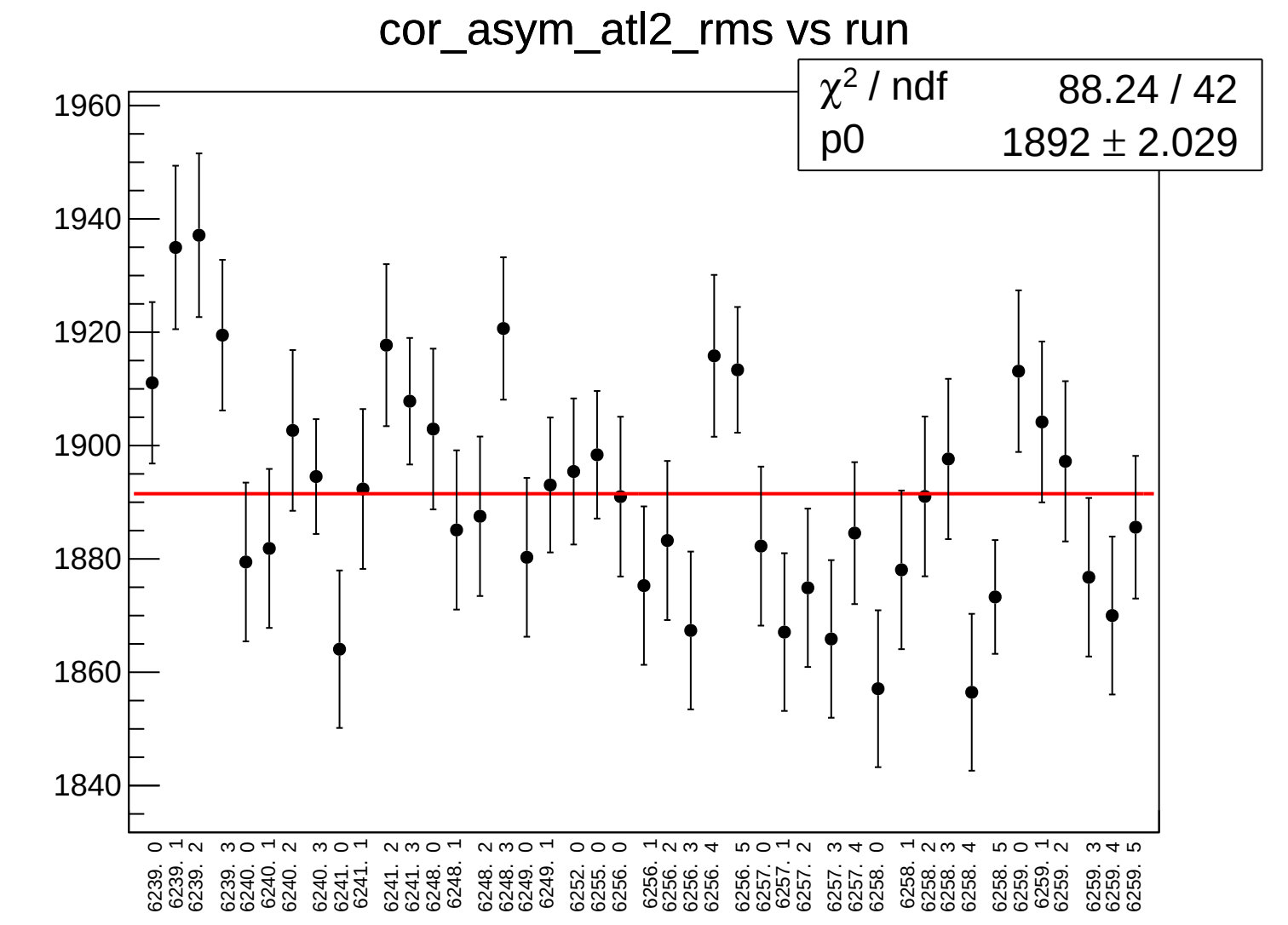

reg_asym_atl2_rms vs run
χ² / ndf 88.24 / 42
p0 1892 ± 2.029
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

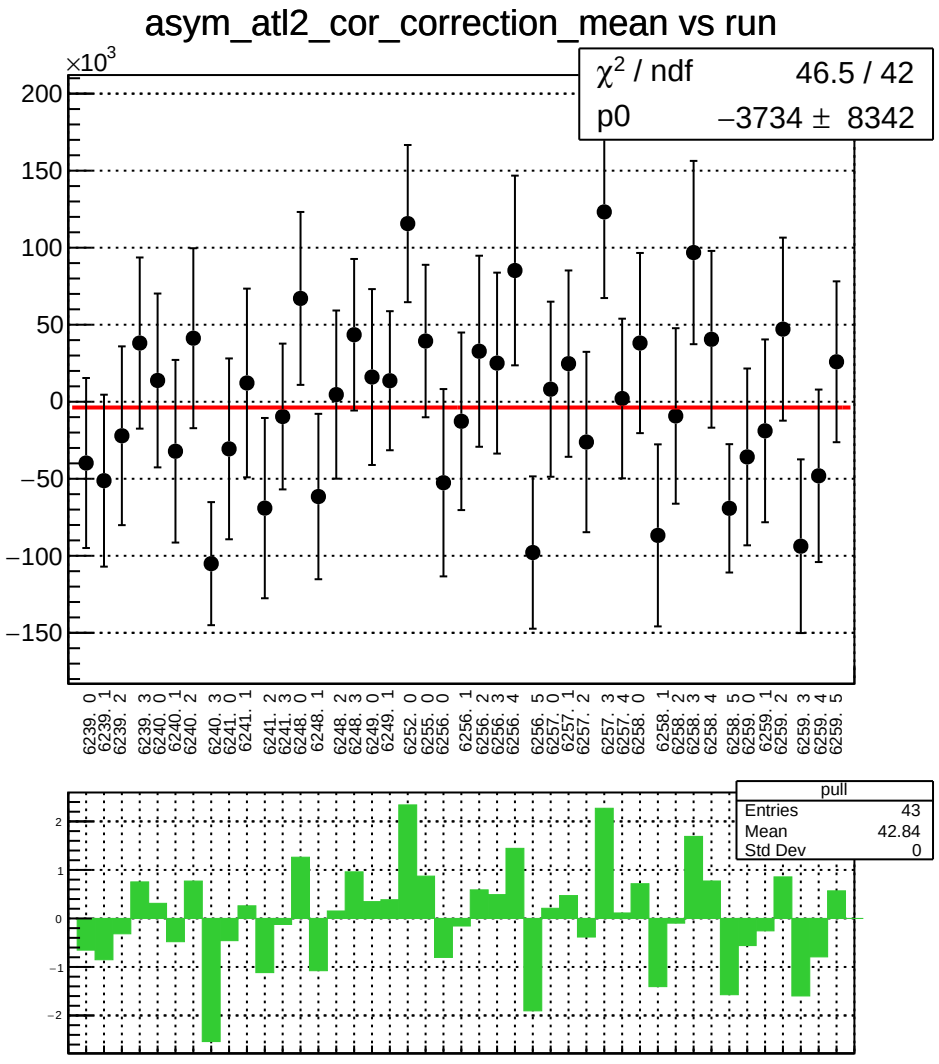

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 46.5 / 42
p0 −3734 ± 8342
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.84
Std Dev 0
2
1
0
−1
−2

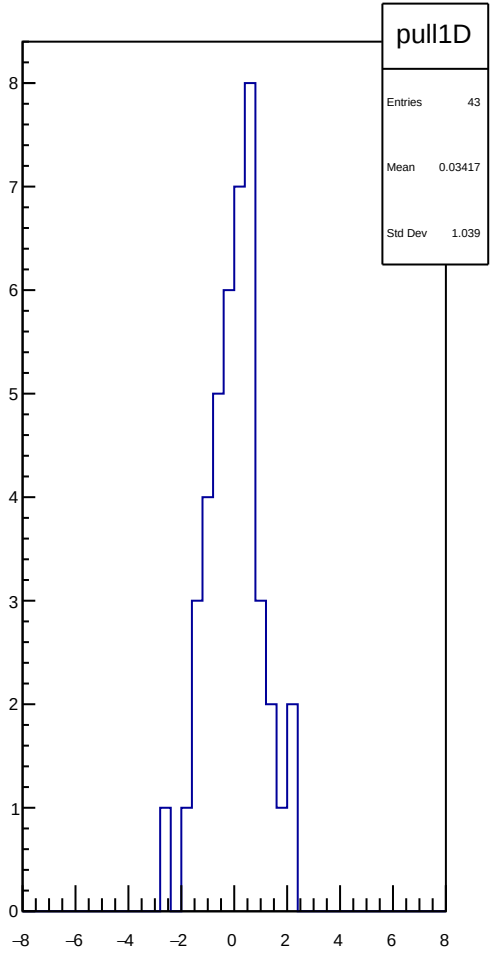

pull1D
Entries 43
Mean 0.03417
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

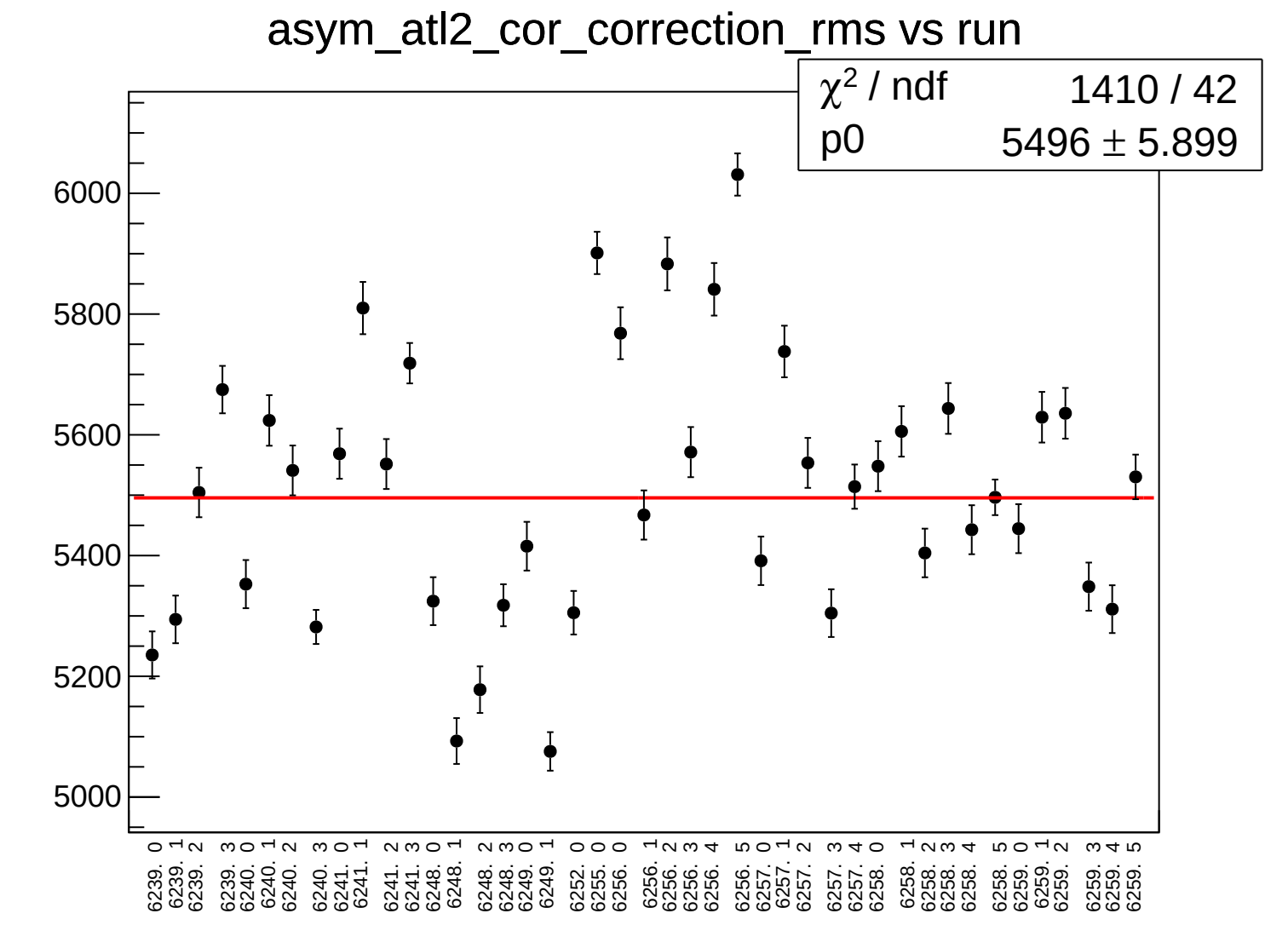

asym_atl2_reg_correction_rms vs run
χ² / ndf 1410 / 42
p0 5496 ± 5.898
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

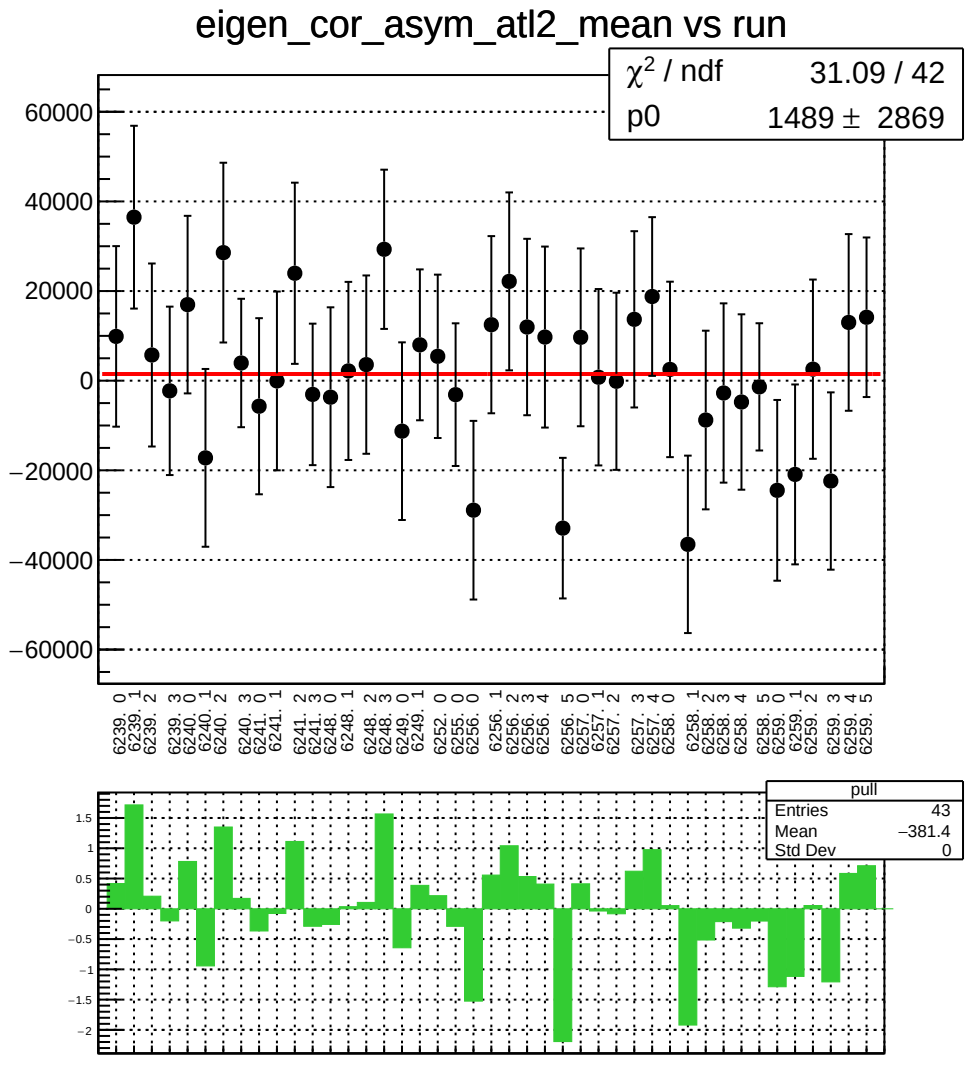

cor_asym_atl2_mean vs run
χ² / ndf 31.09 / 42
p0 1489 ± 2869
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −381.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007807
Std Dev 0.8502
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

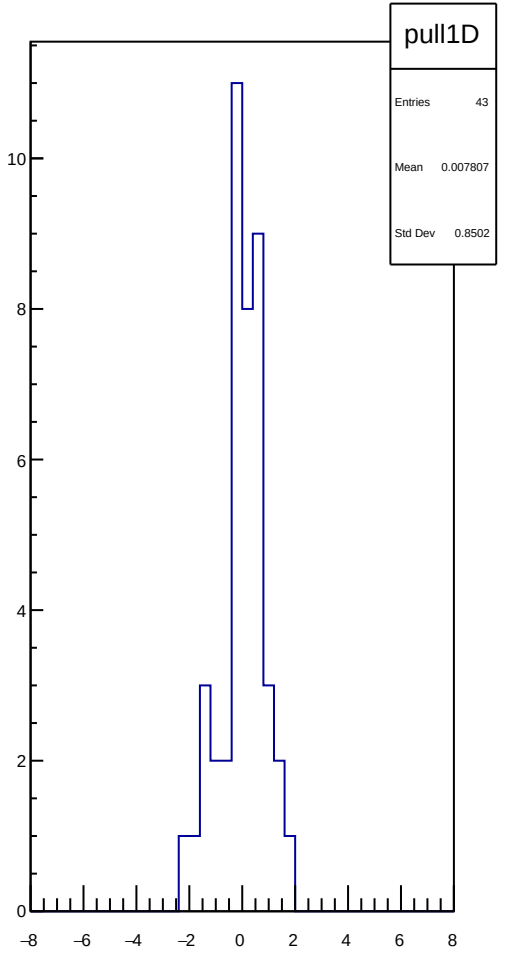

cor_asym_atl2_rms vs run
χ² / ndf 88.24 / 42
p0 1892 ± 2.029
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

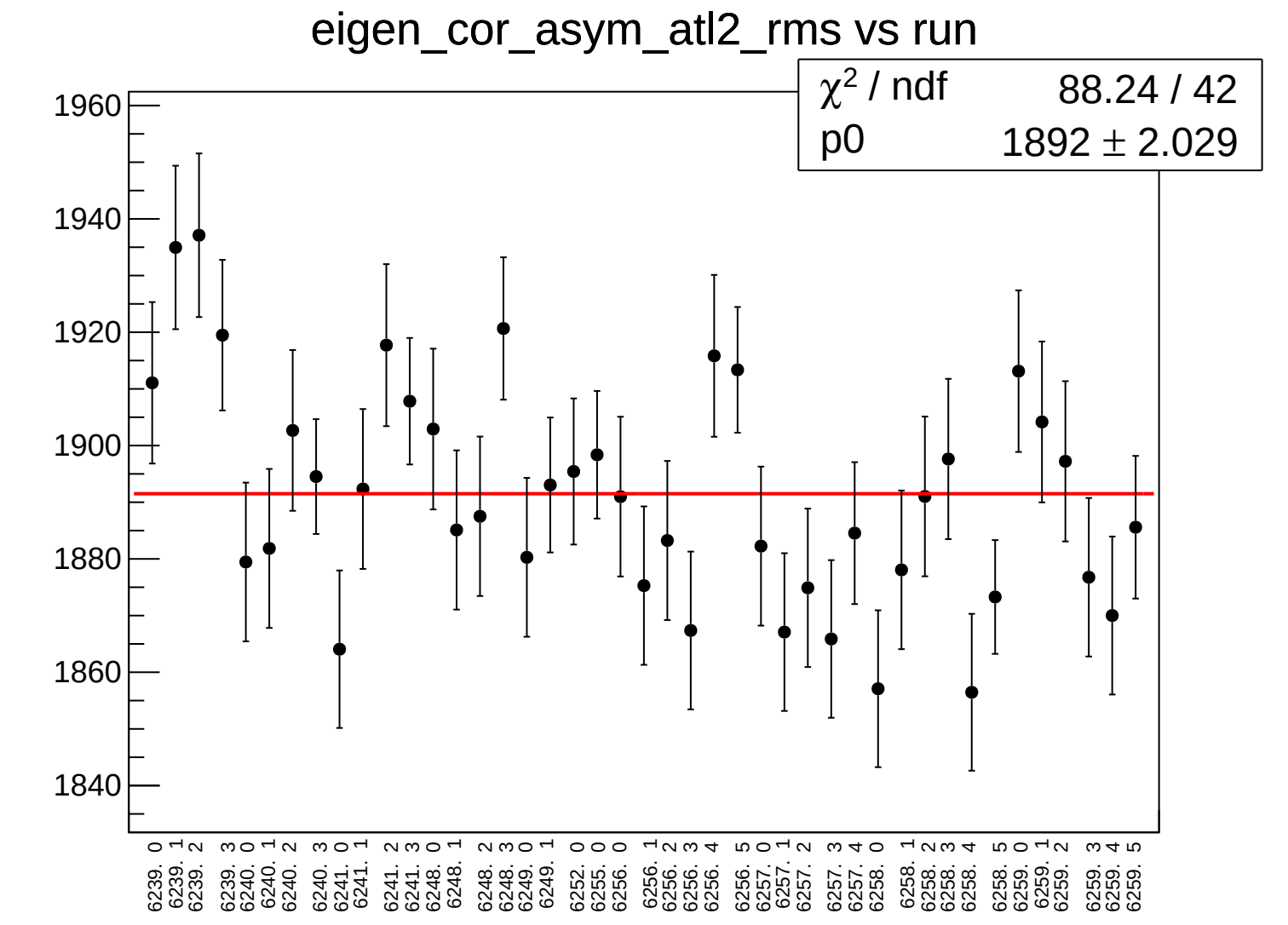

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 46.5 / 42
p0 −3734 ± 8342
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.84
Std Dev 0
2
1
0
−1
−2

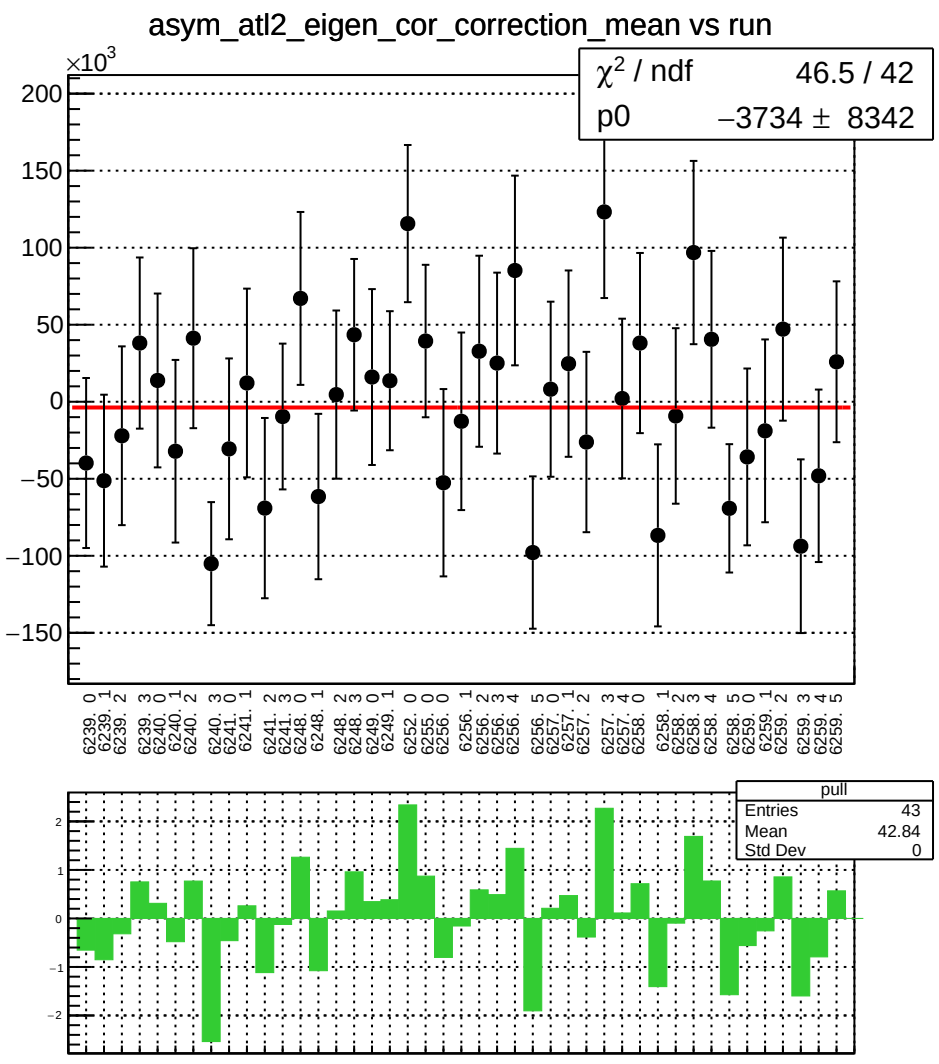

pull1D
Entries 43
Mean 0.03417
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

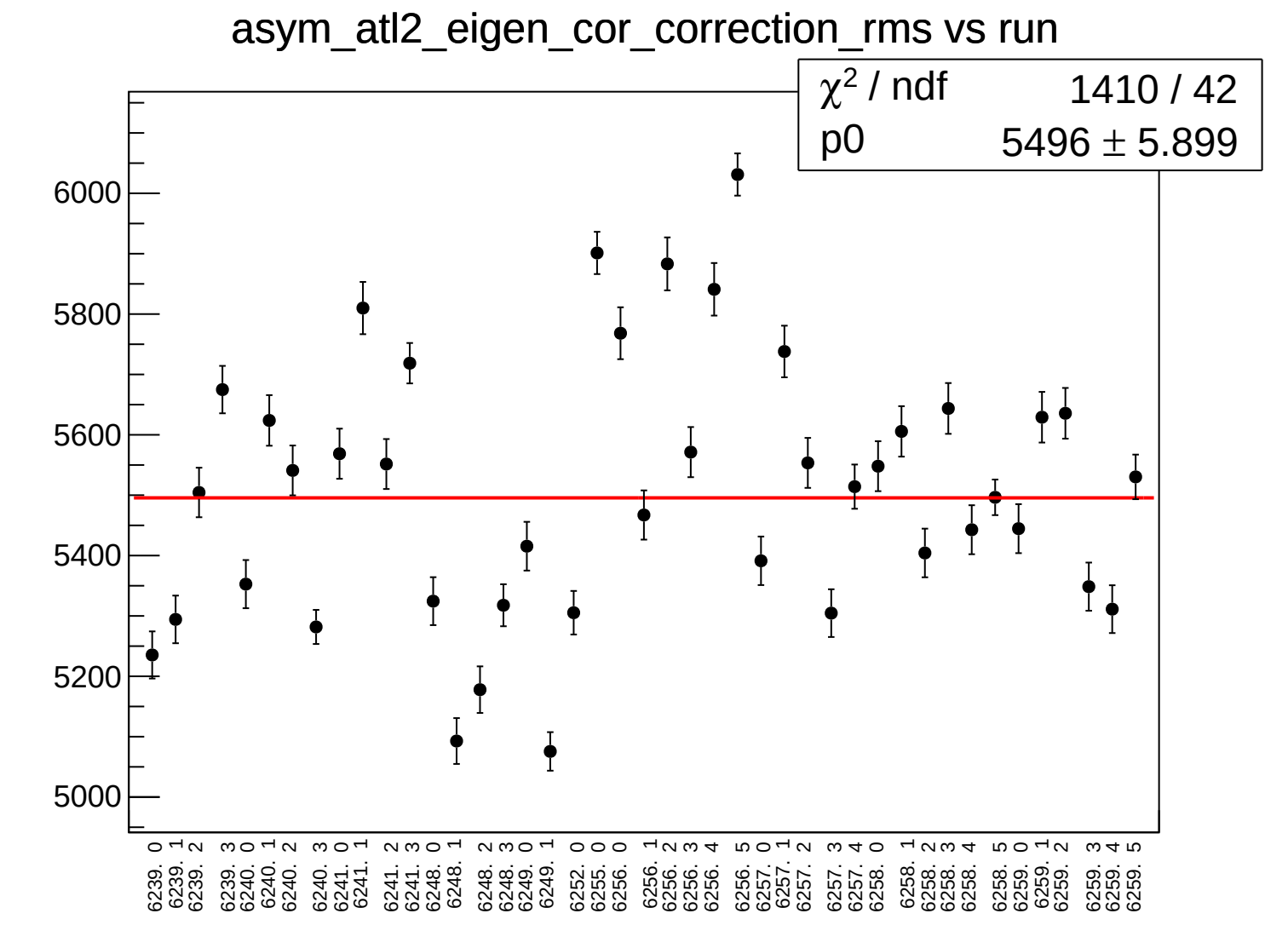

asym_atl2_cor_correction_rms vs run
χ² / ndf 1410 / 42
p0 5496 ± 5.899
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

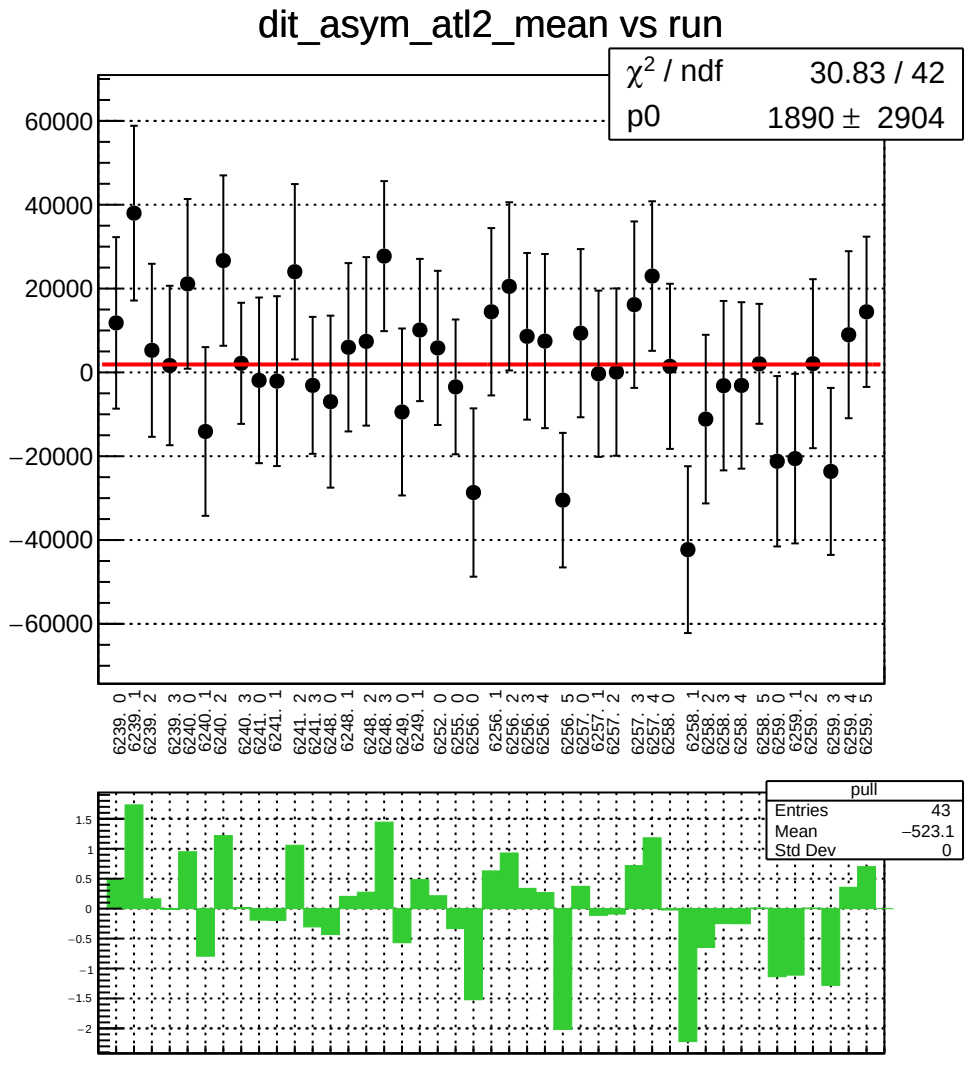

eigen_cor_asym_atl2_mean vs run
χ² / ndf 31.09 / 42
p0 1489 ± 2869
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −381.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

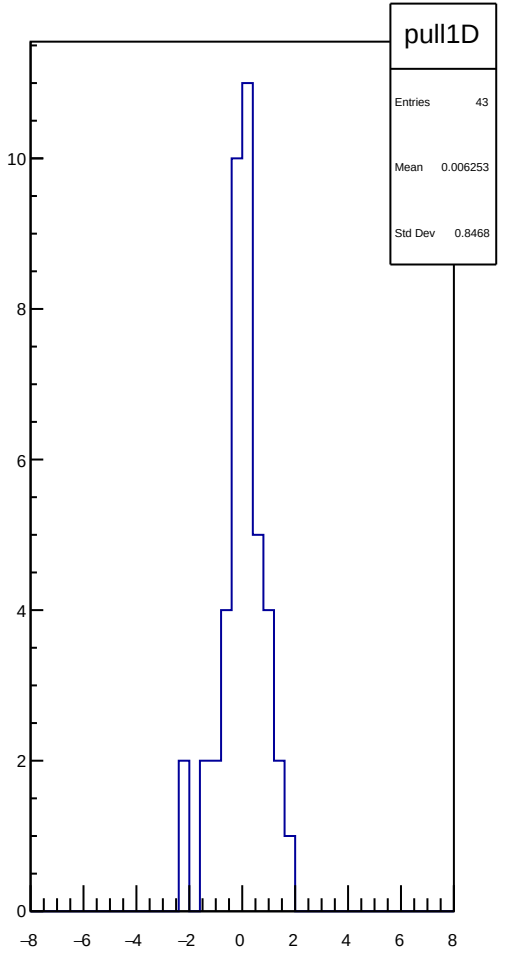

pull1D
Entries 43
Mean 0.007807
Std Dev 0.8502
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

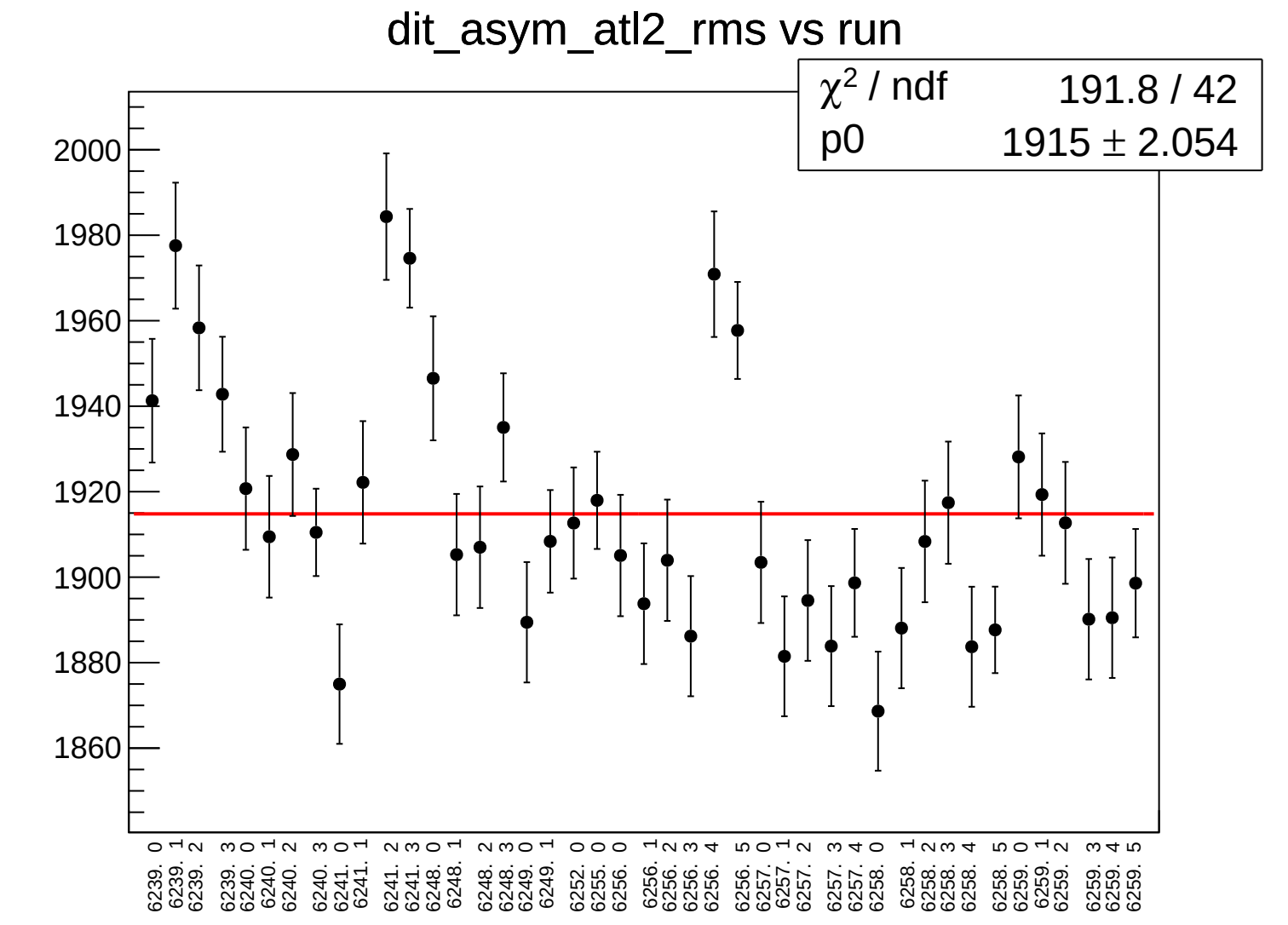

eigen_cor_asym_atl2_rms vs run
χ² / ndf 88.24 / 42
p0 1892 ± 2.029
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

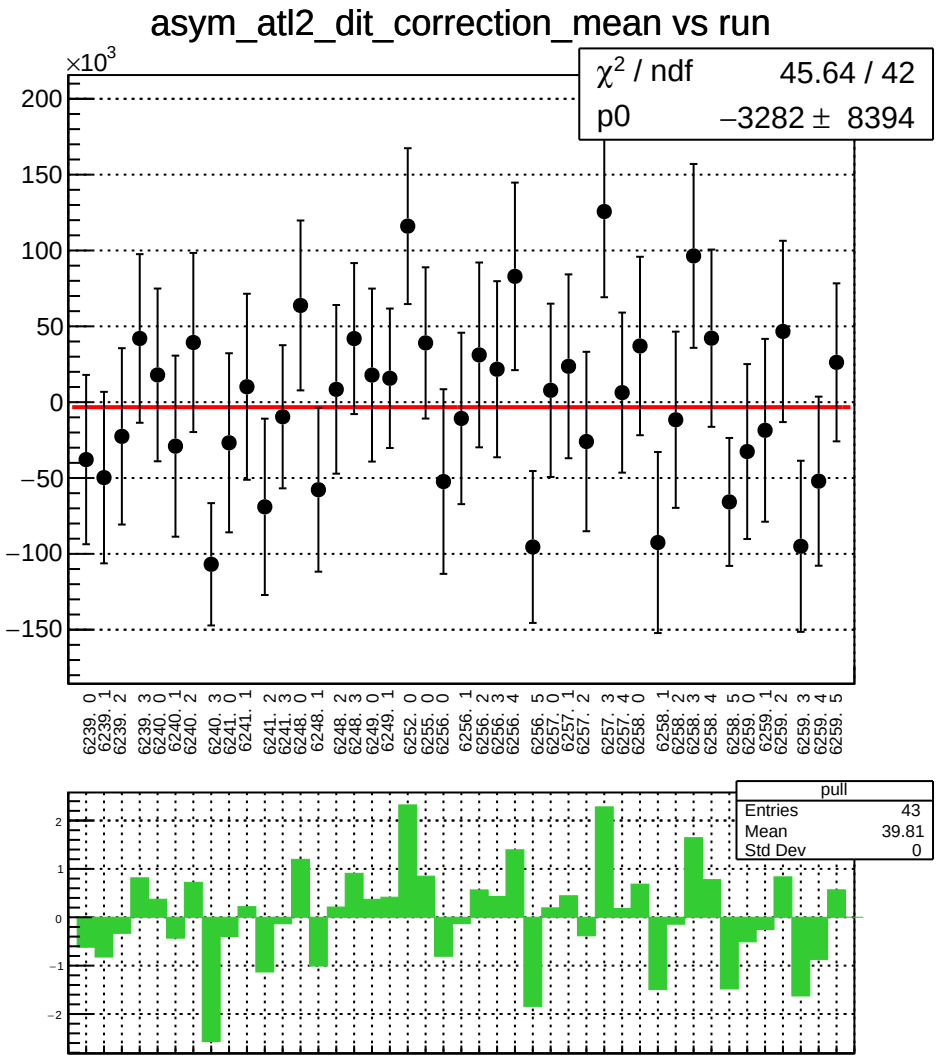

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 46.5 / 42
p0 −3734 ± 8342
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.84
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03417
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

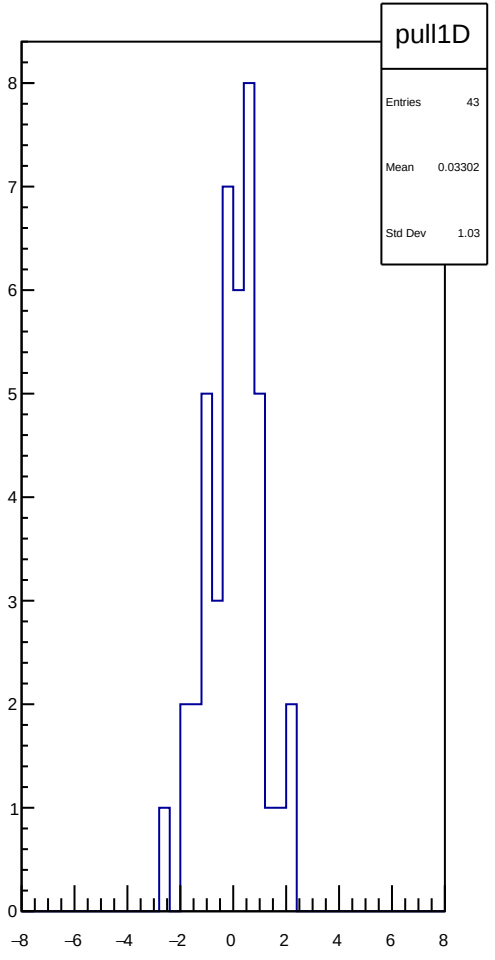

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1410 / 42
p0 5496 ± 5.899
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

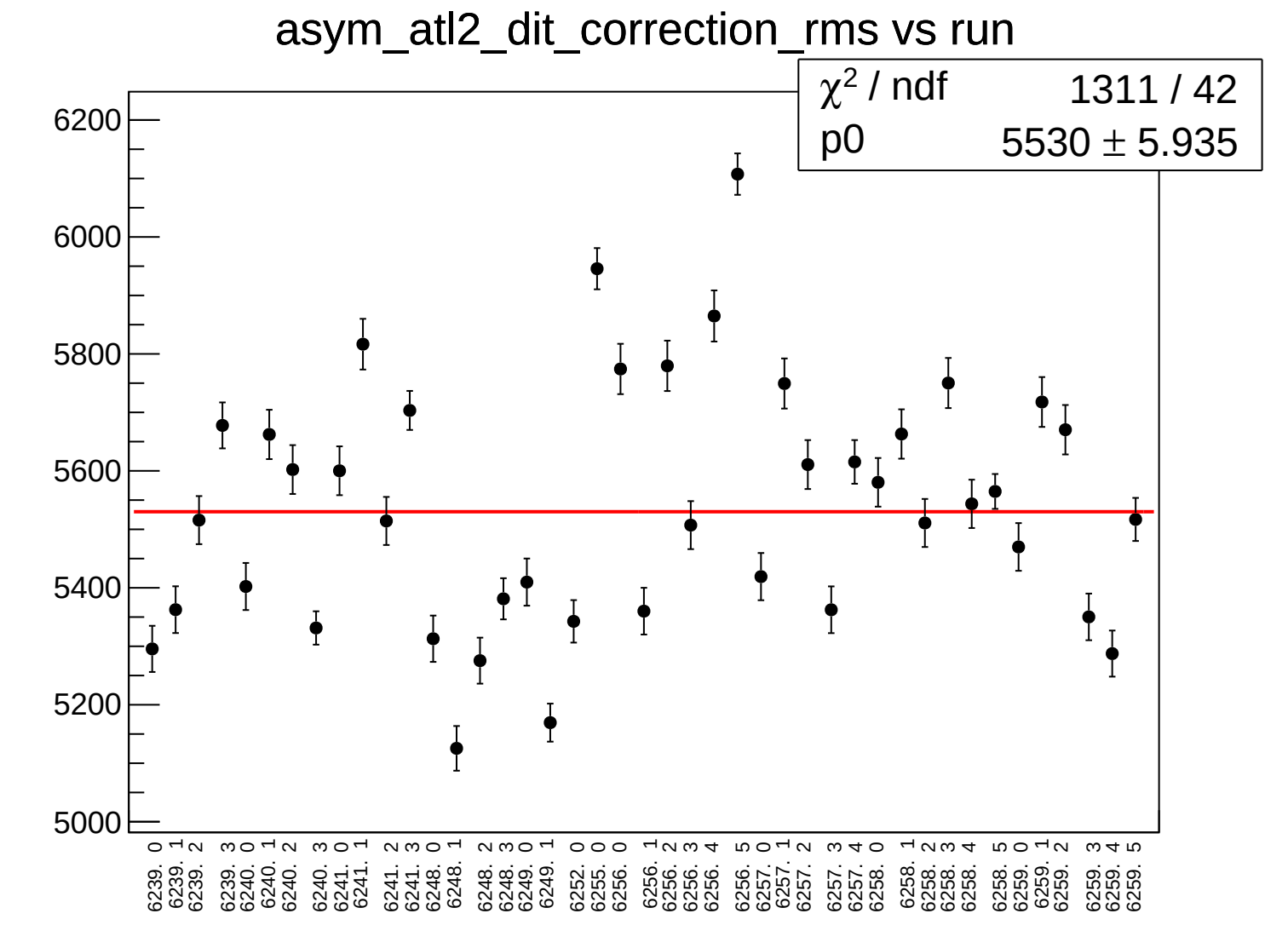

dit_asym_atl2_mean vs run
χ² / ndf 30.83 / 42
p0 1890 ± 2904
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −523.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

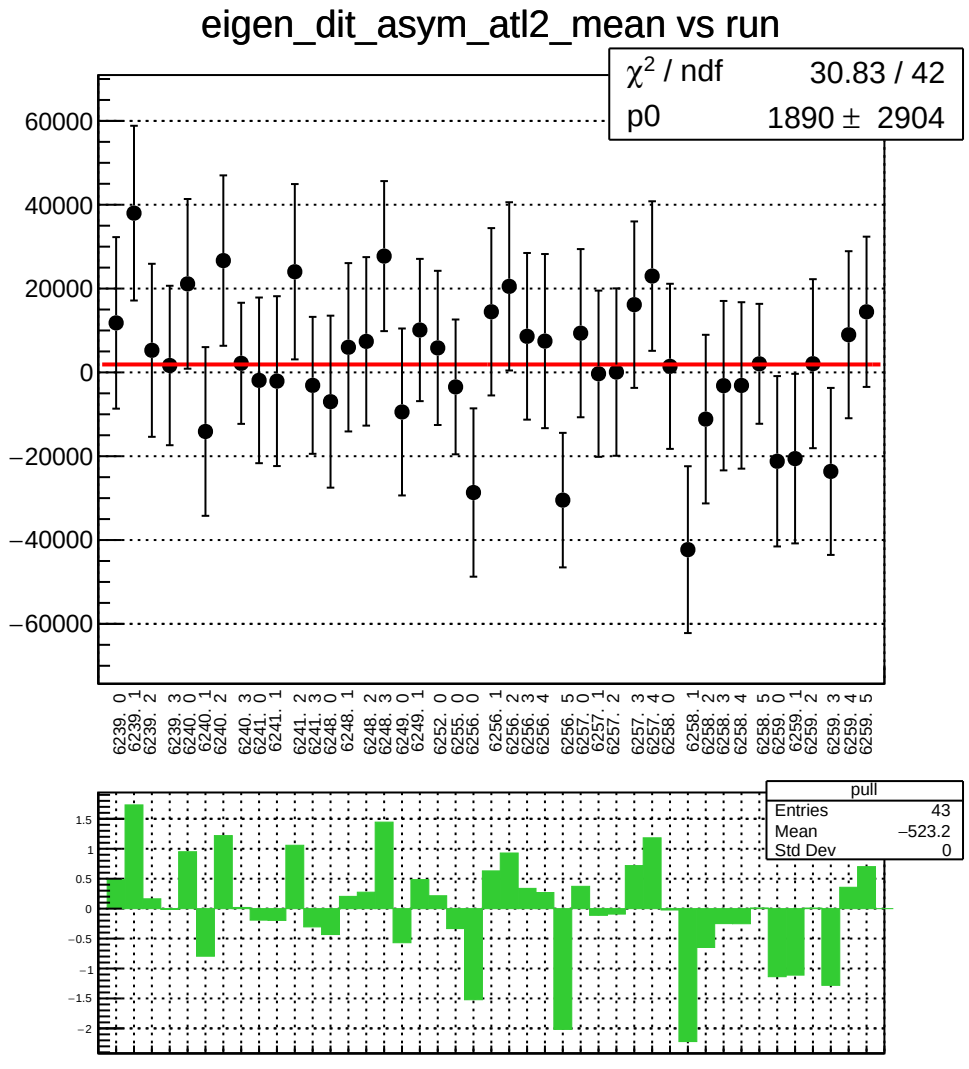

pull1D
Entries 43
Mean 0.006253
Std Dev 0.8468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

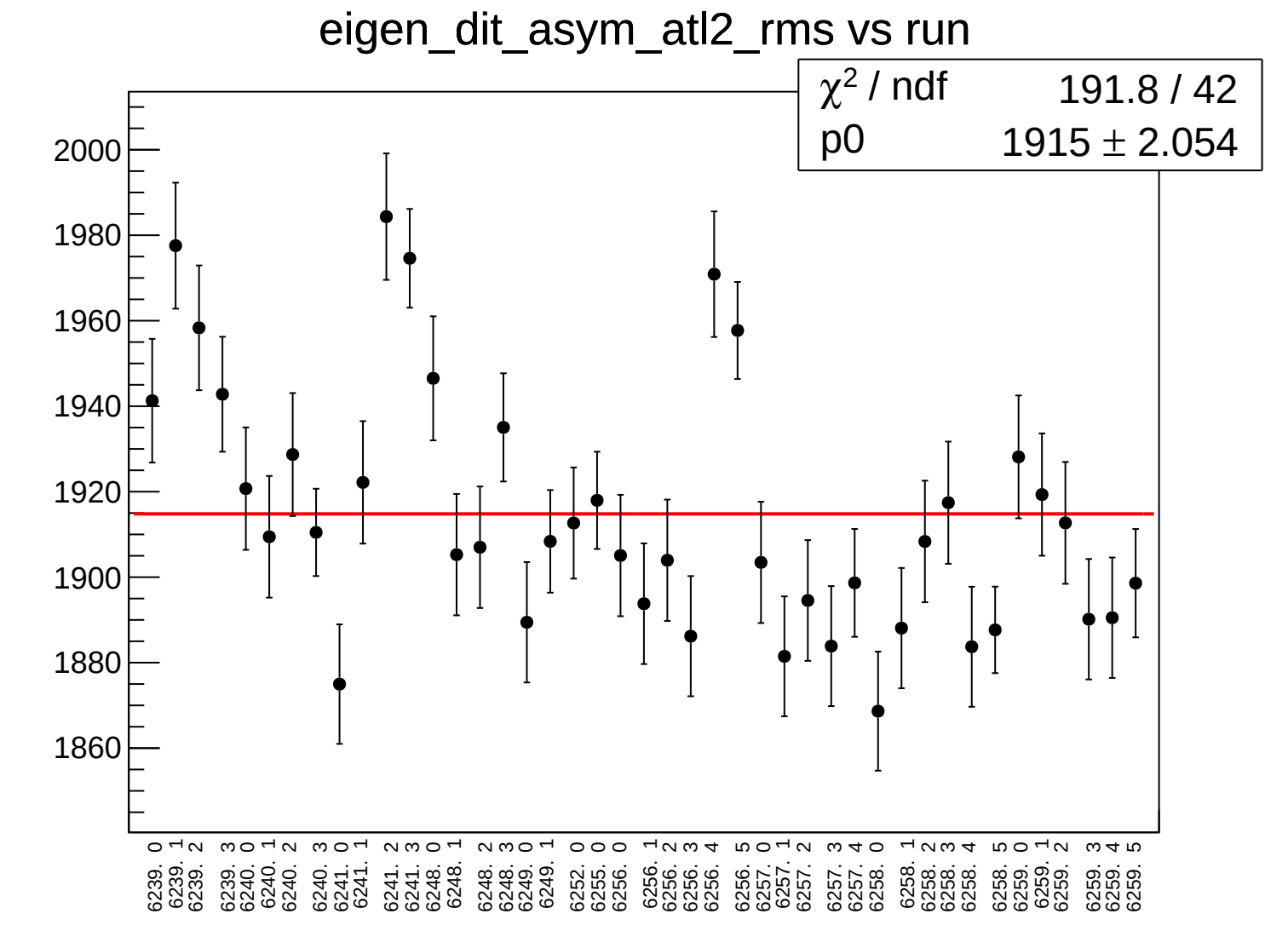

dit_asym_atl2_rms vs run
χ² / ndf 191.8 / 42
p0 1915 ± 2.054
2000
1980
1960
1940
1920
1900
1880
1860
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

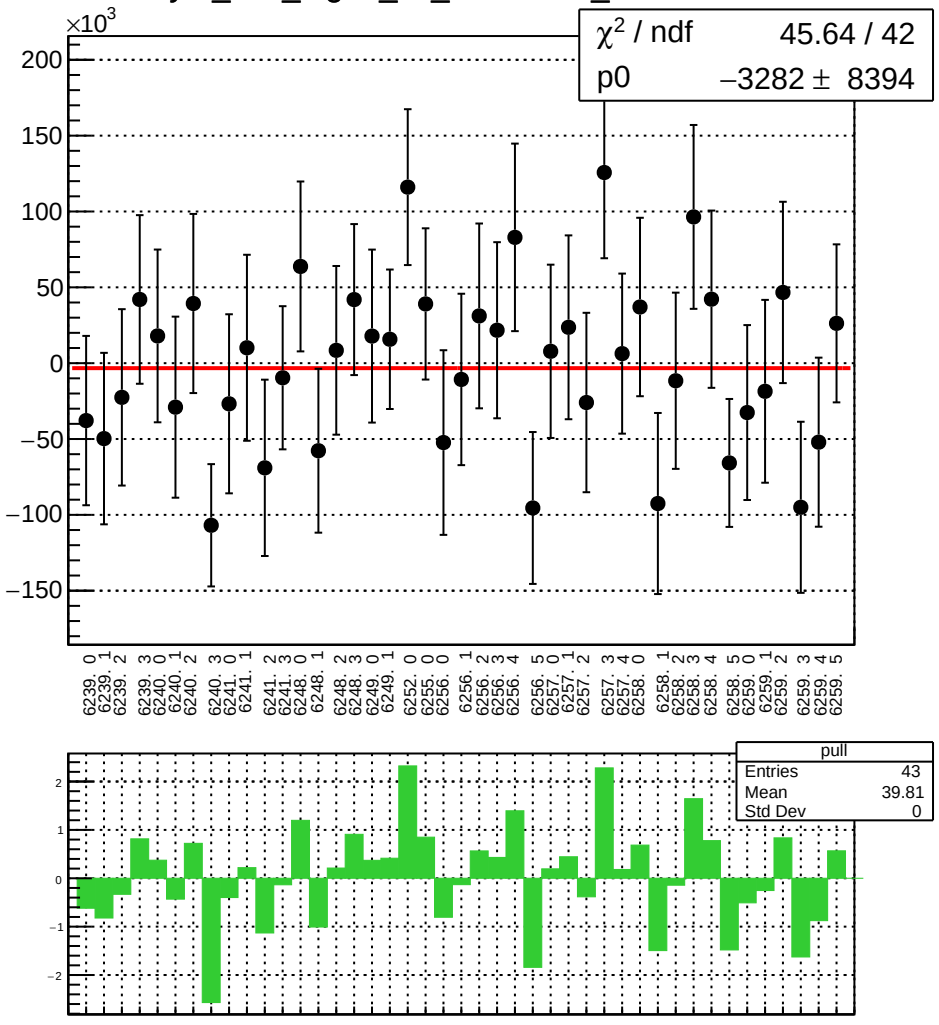

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 45.64 / 42
p0 −3282 ± 8394
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.81
Std Dev 0
2
1
0
−1
−2

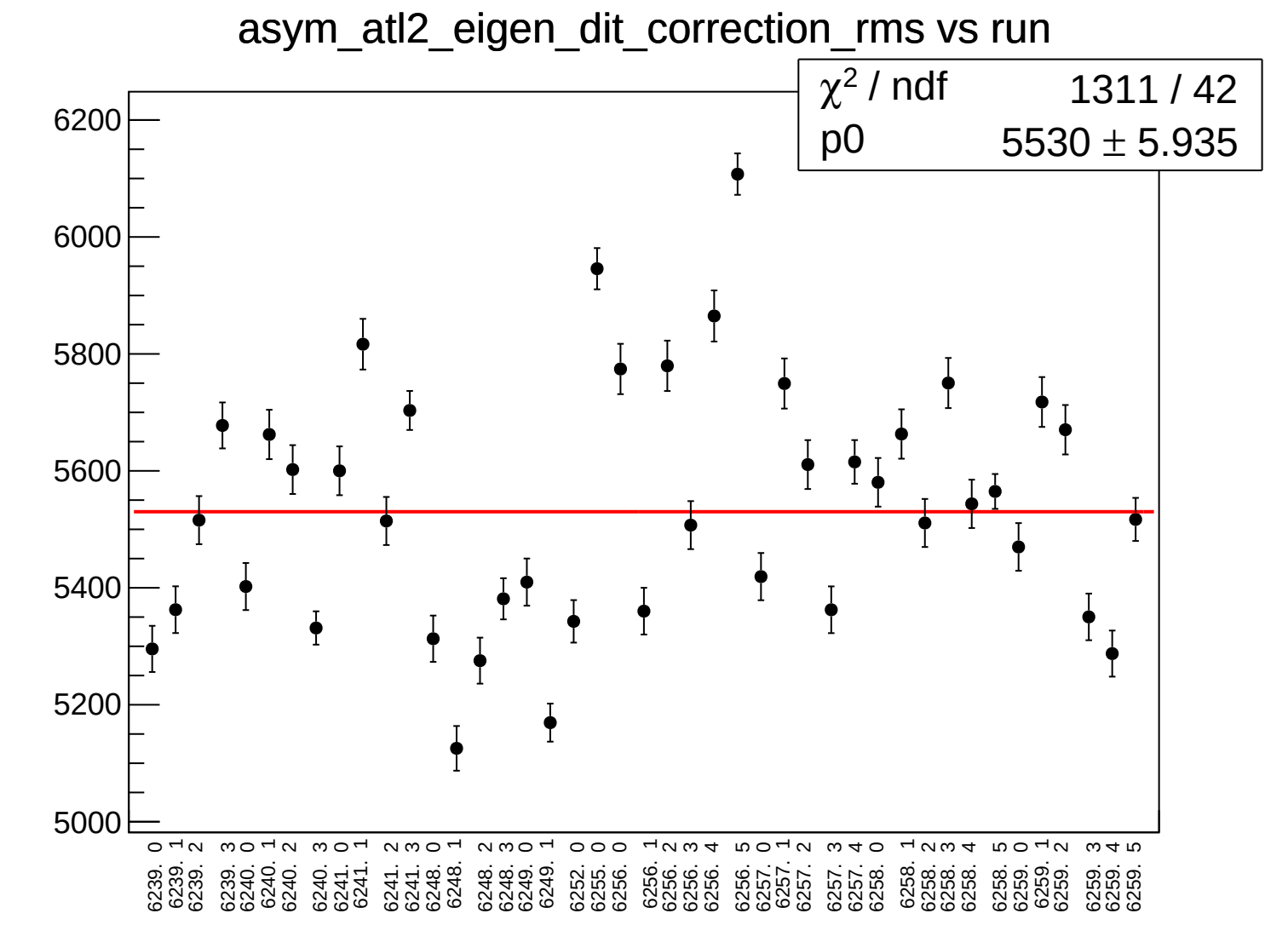

pull1D
Entries 43
Mean 0.03302
Std Dev 1.03
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

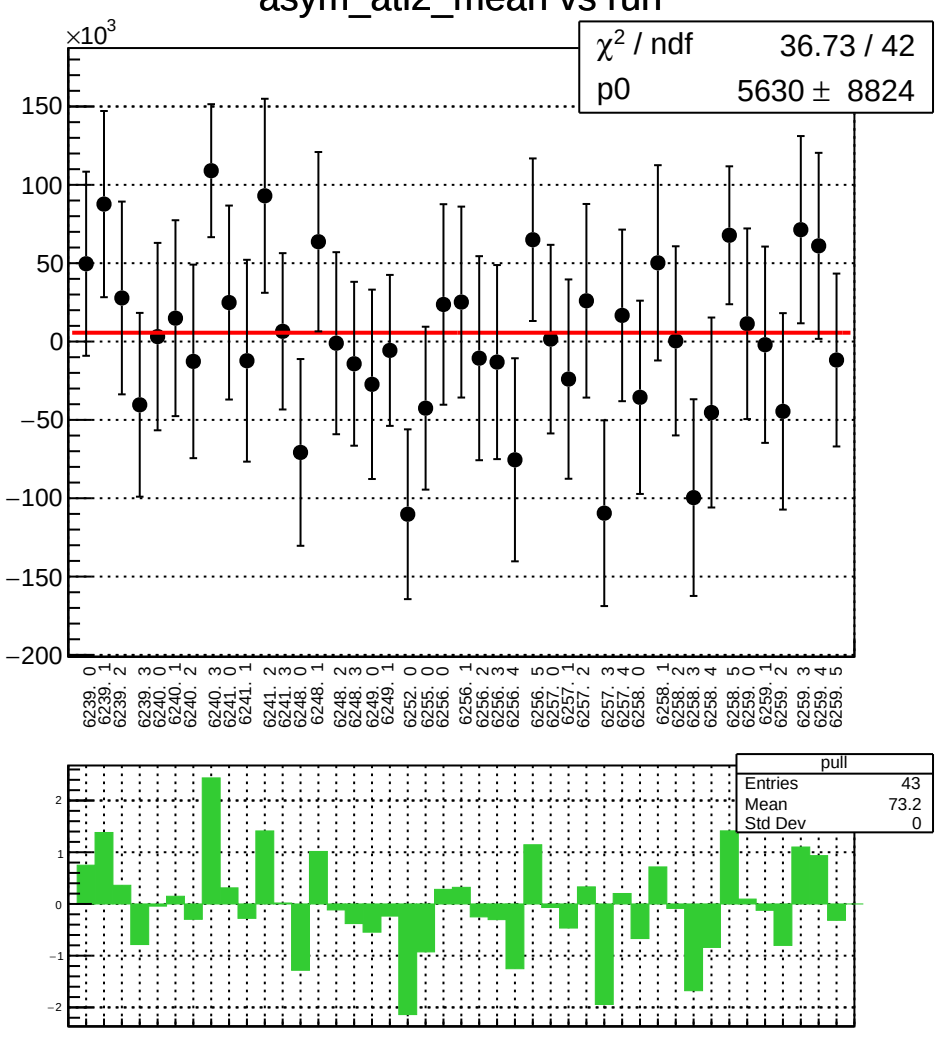

asym_atl2_dit_correction_rms vs run
χ² / ndf 1311 / 42
p0 5530 ± 5.935
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

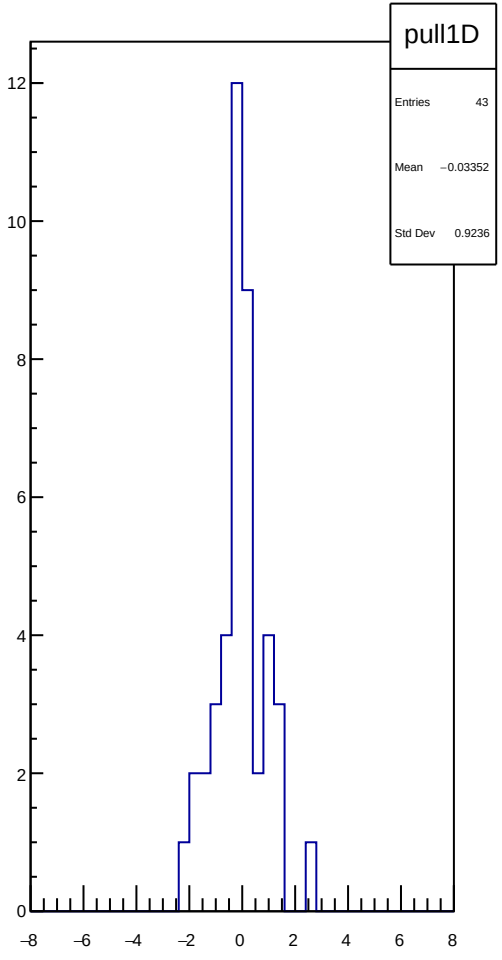

eigen_dit_asym_atl2_mean vs run
$\chi^2$ / ndf 30.83 / 42
p0 1890 ± 2904
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −523.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.006253
Std Dev 0.8468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

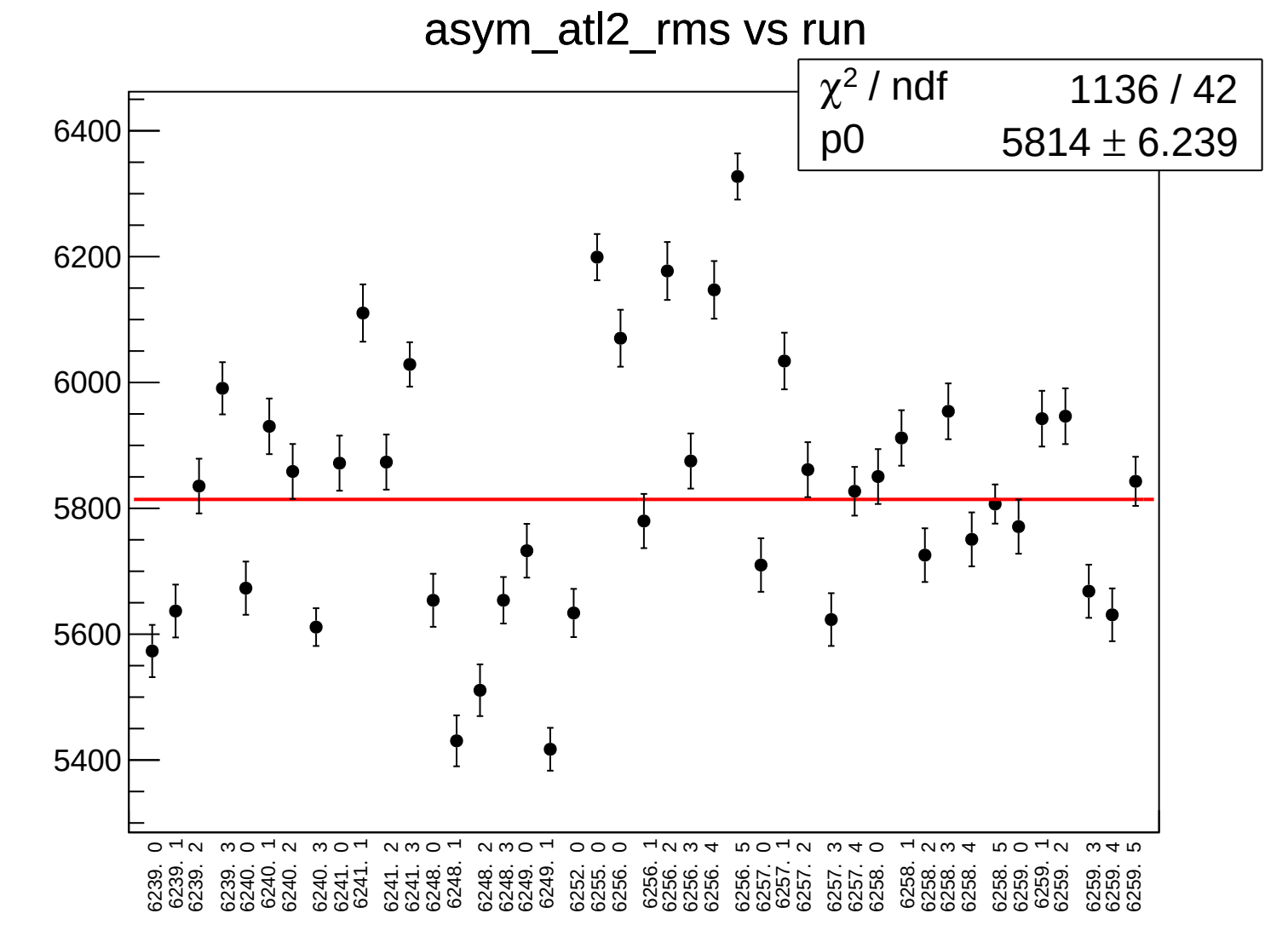

eigen_dit_asym_atl2_rms vs run
$\chi^2$ / ndf 191.8 / 42
p0 1915 ± 2.054
2000
1980
1960
1940
1920
1900
1880
1860
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

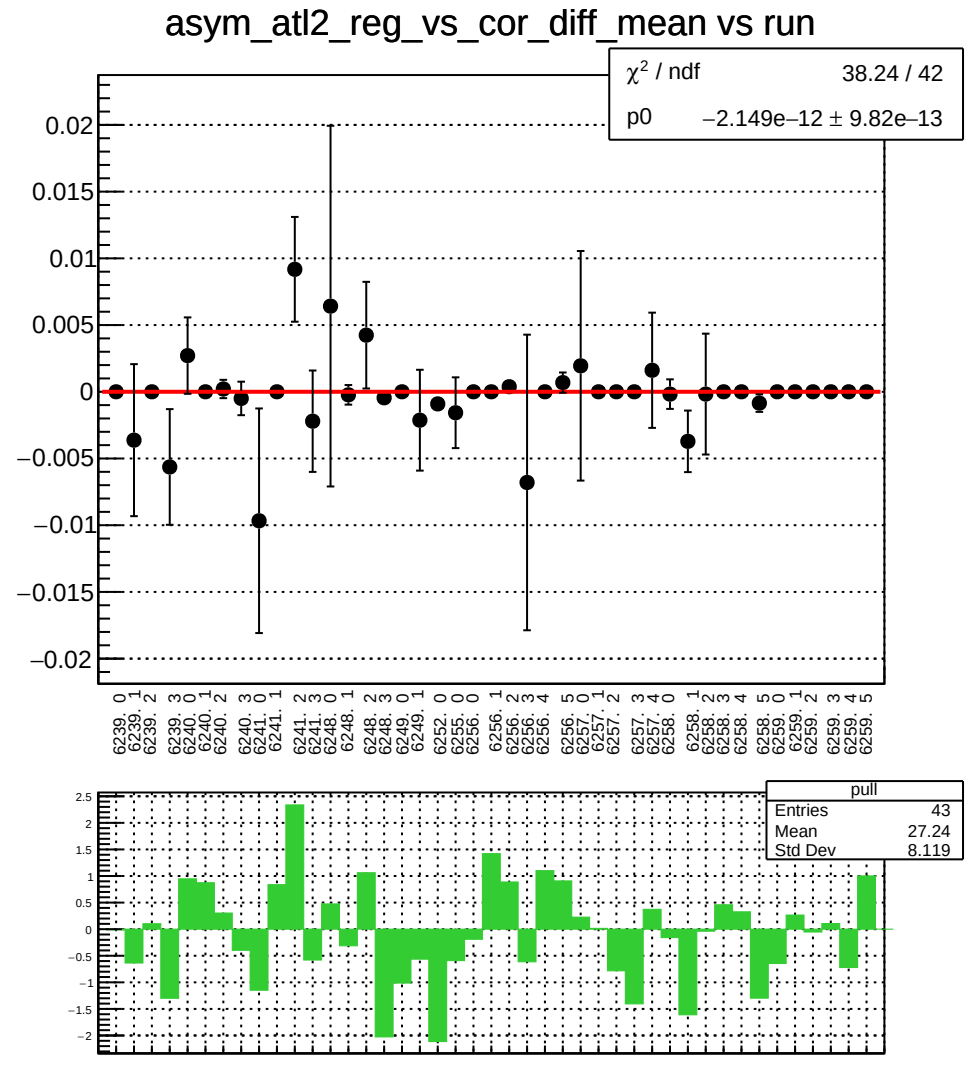

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.64 / 42
p0 −3282 ± 8394
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.81
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03302
Std Dev 1.03
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

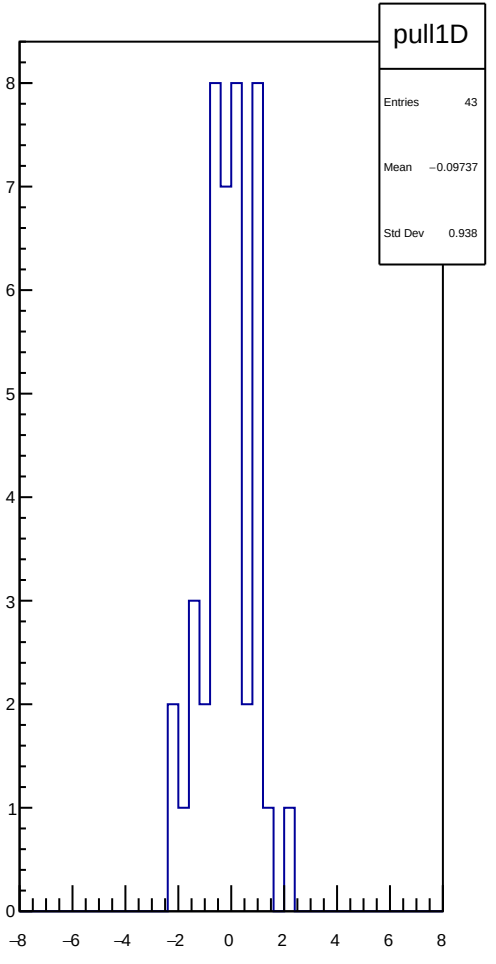

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 1311 / 42
p0 5530 ± 5.935
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

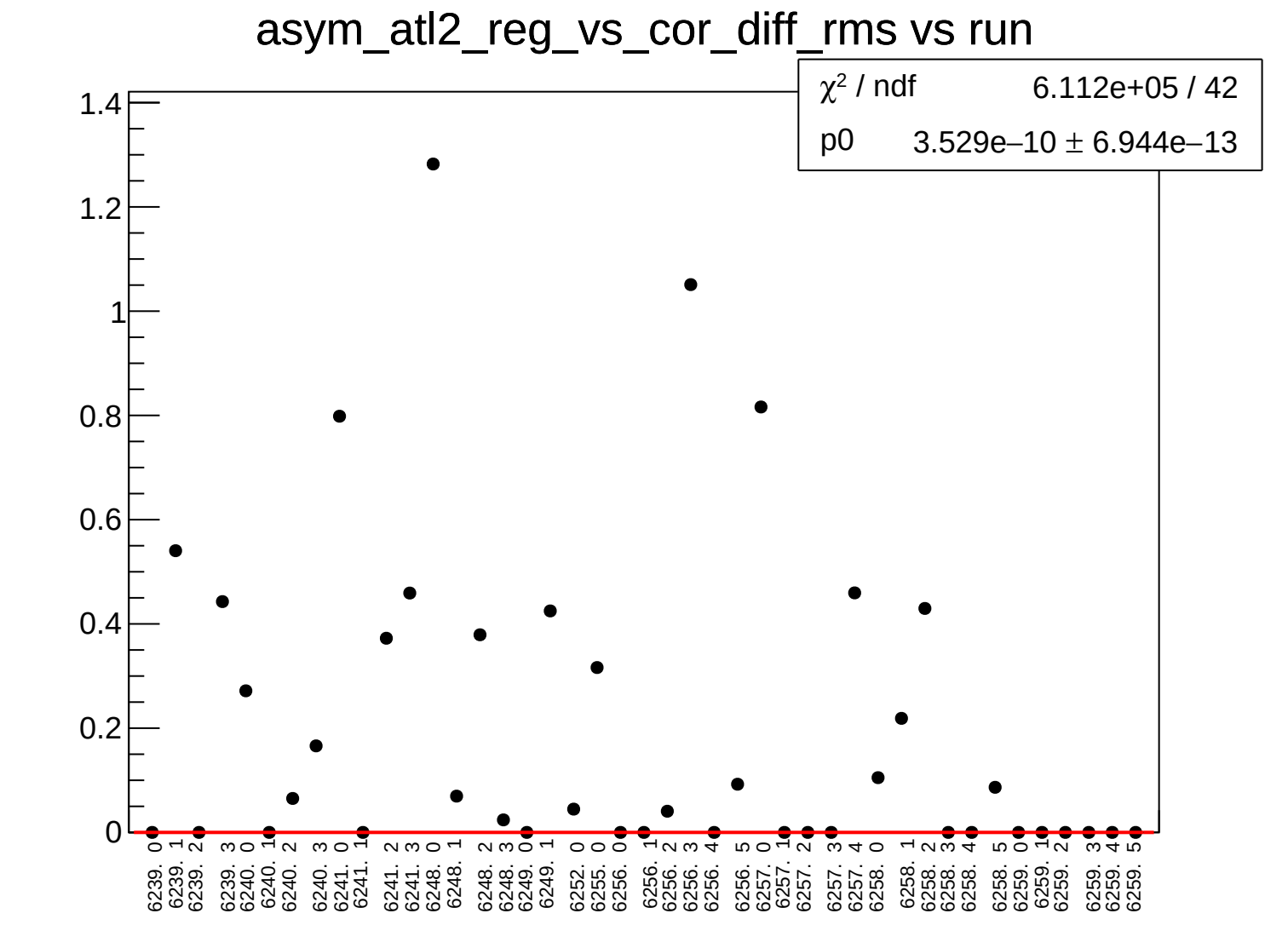

asym_atl2_mean vs run
×10^3
χ² / ndf 36.73 / 42
p0 5630 ± 8824
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 73.2
Std Dev 0
2
1
0
−1
−2

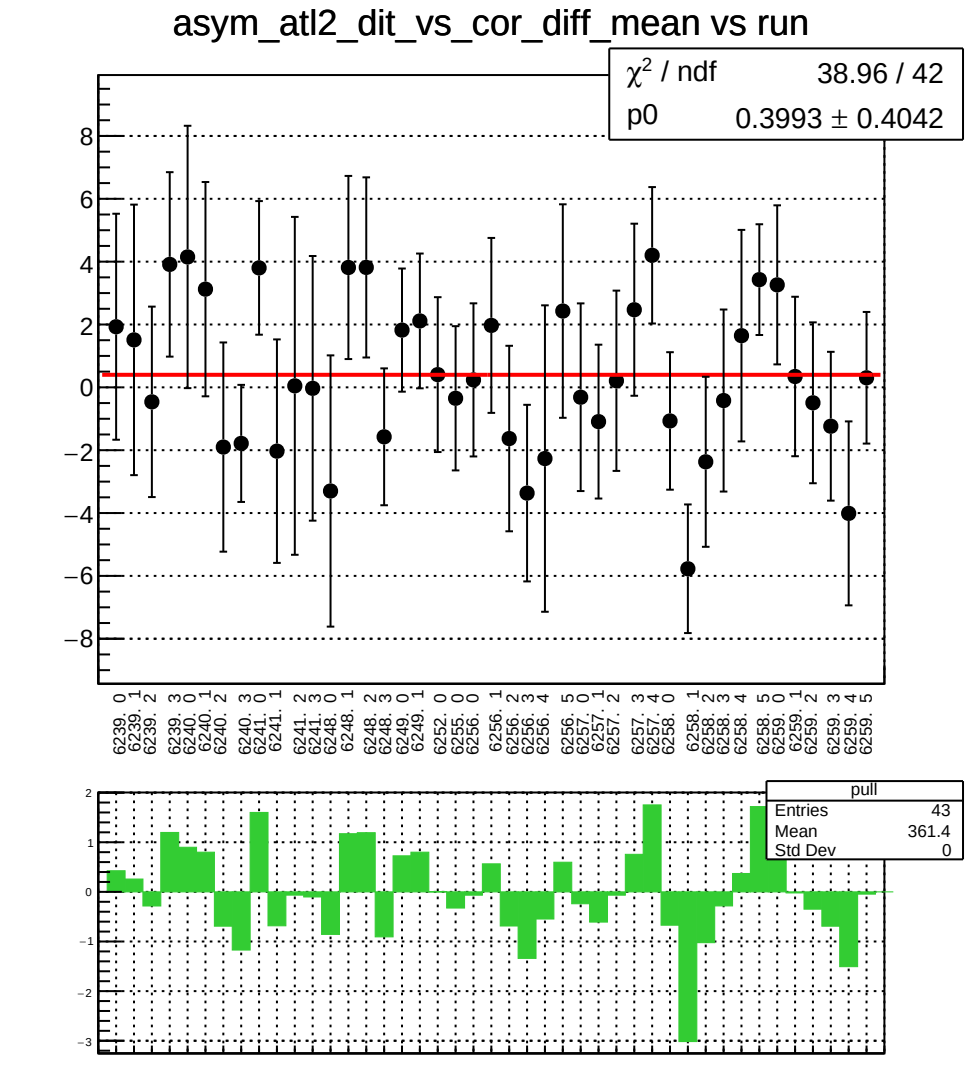

pull1D
Entries 43
Mean −0.03352
Std Dev 0.9236
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

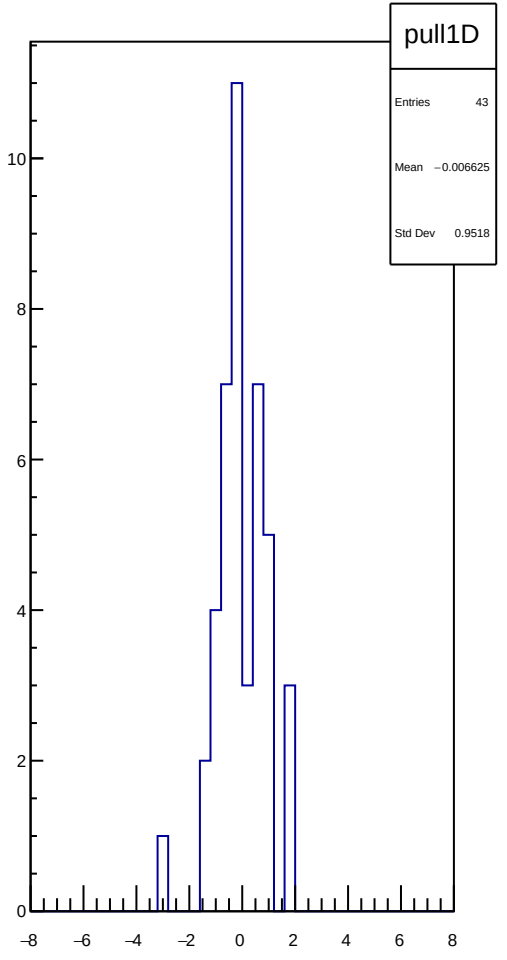

asym_atl2_rms vs run
χ² / ndf 1136 / 42
p0 5814 ± 6.239
6400
6200
6000
5800
5600
5400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

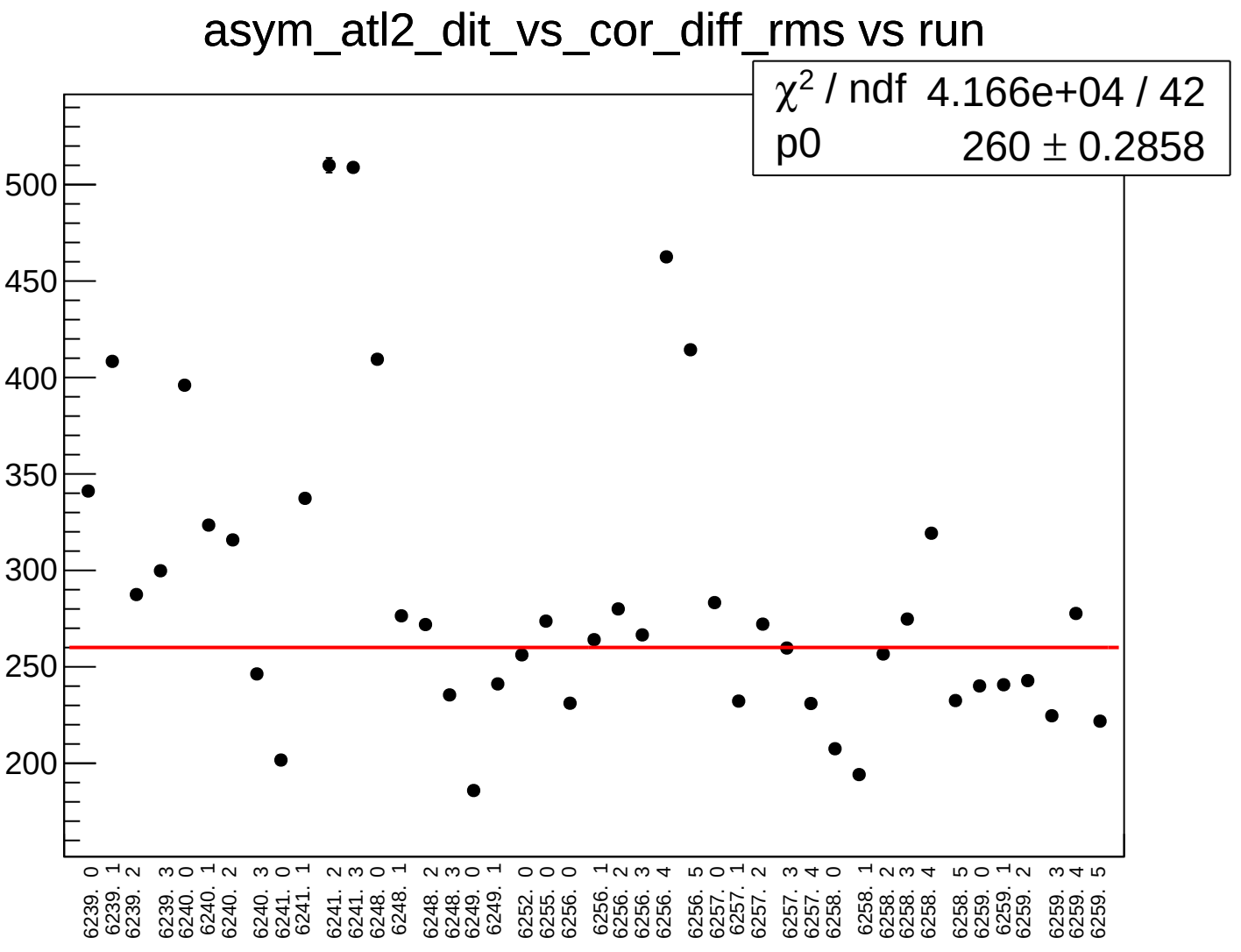

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 38.24 / 42
p0 −2.149e−12 ± 9.82e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 27.24
Std Dev 8.119
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

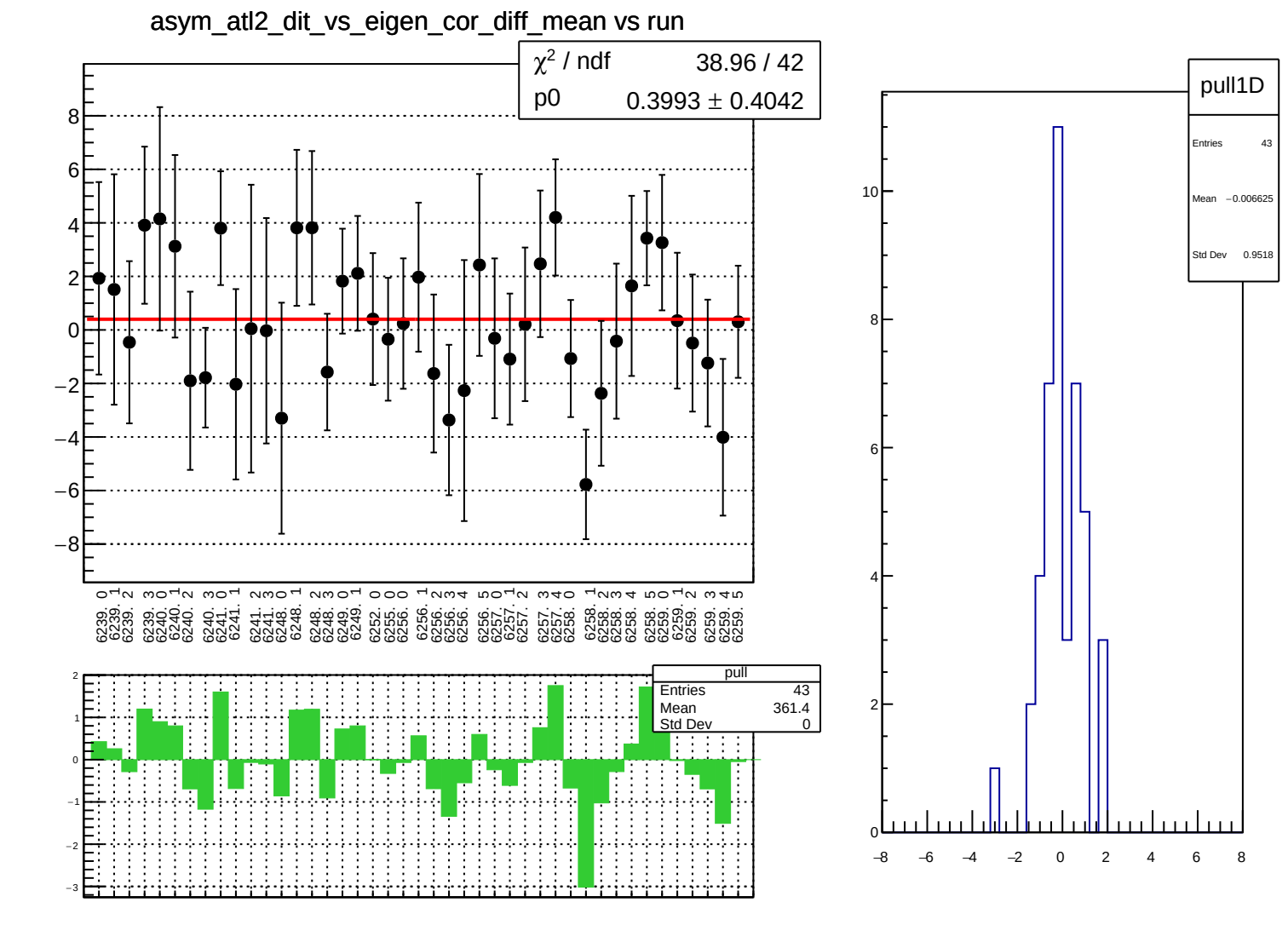

pull1D
Entries 43
Mean −0.09737
Std Dev 0.938
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

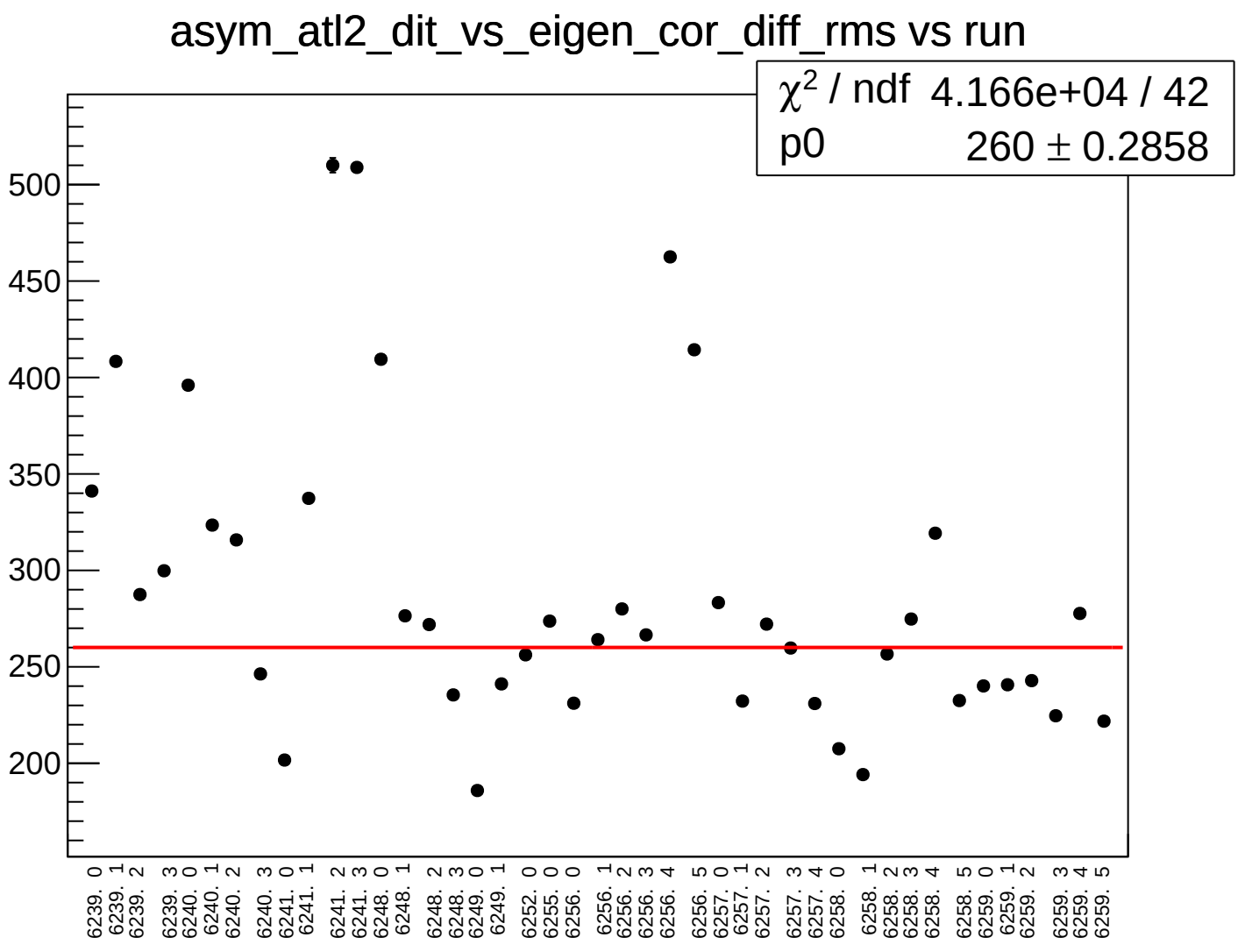

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.112e+05 / 42
p0 3.529e−10 ± 6.944e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

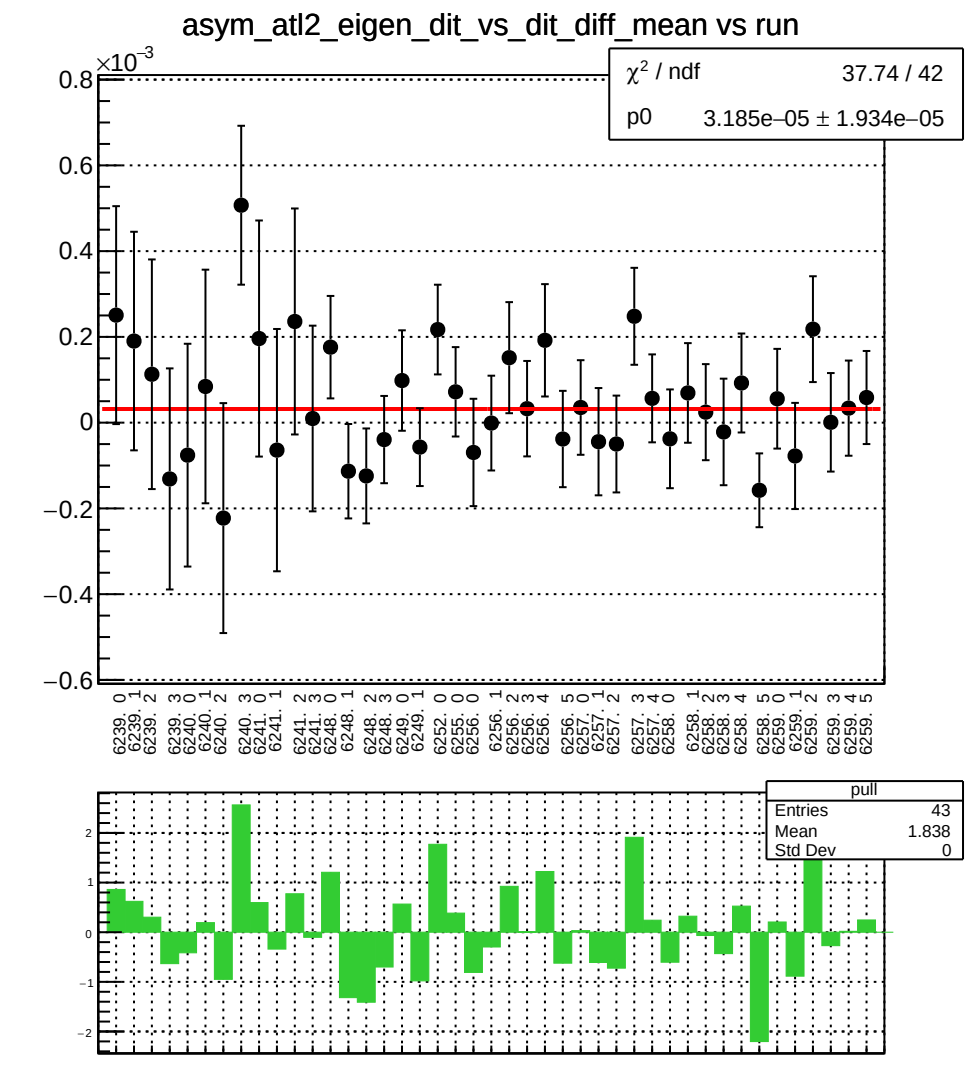

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.3993 ± 0.4042
8
6
4
2
0
−2
−4
−6
−8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 361.4
Std Dev 0
2
1
0
−1
−2
−3

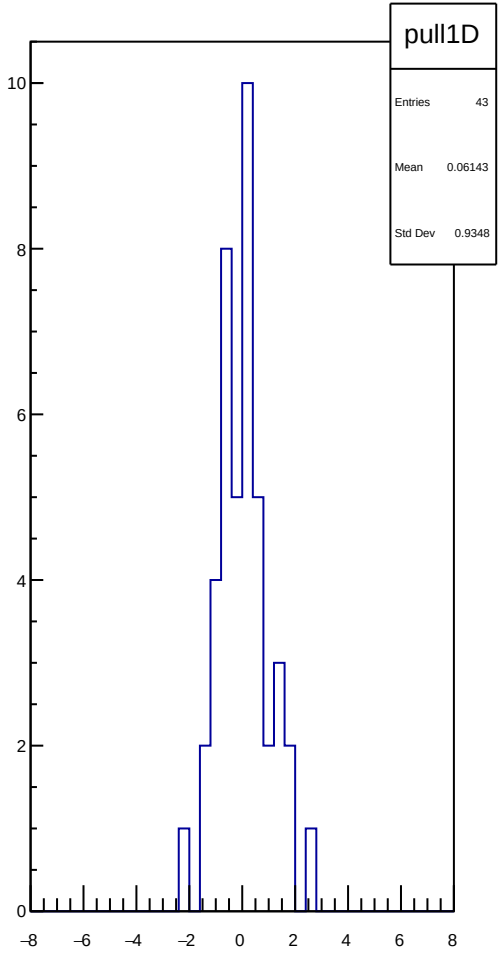

pull1D
Entries 43
Mean −0.006625
Std Dev 0.9518
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

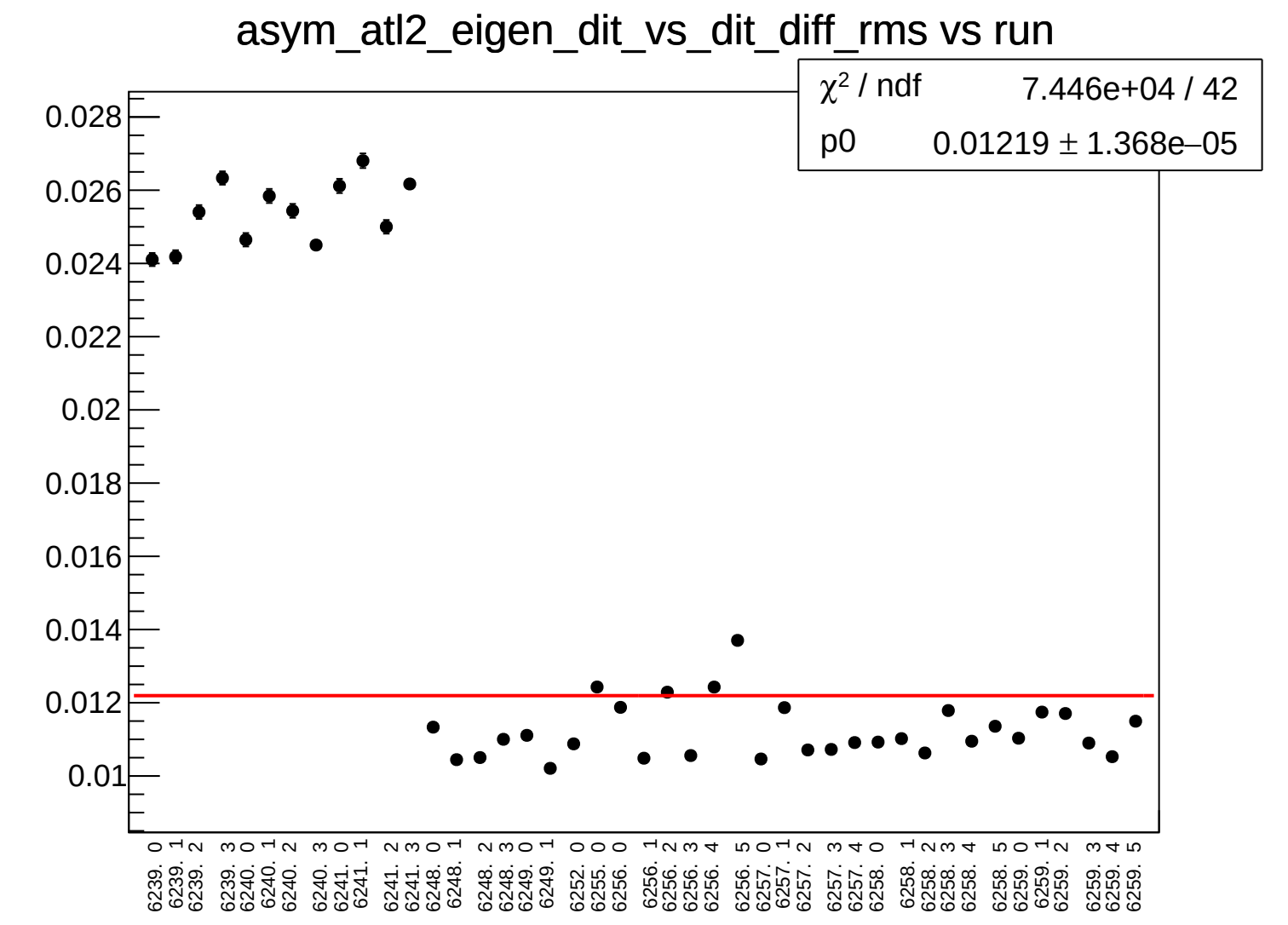

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.166e+04 / 42
p0 260 ± 0.2858
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

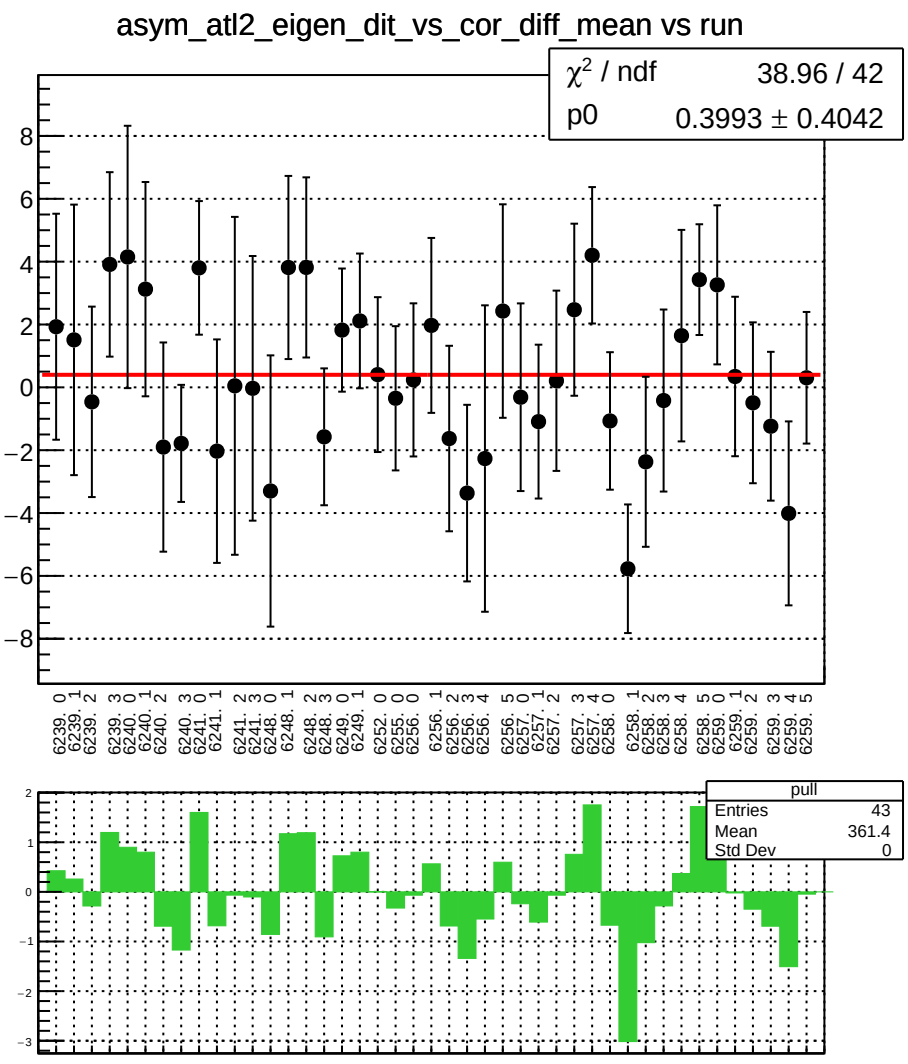

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.3993 ± 0.4042
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 361.4
Std Dev 0
pull1D
Entries 43
Mean −0.006625
Std Dev 0.9518

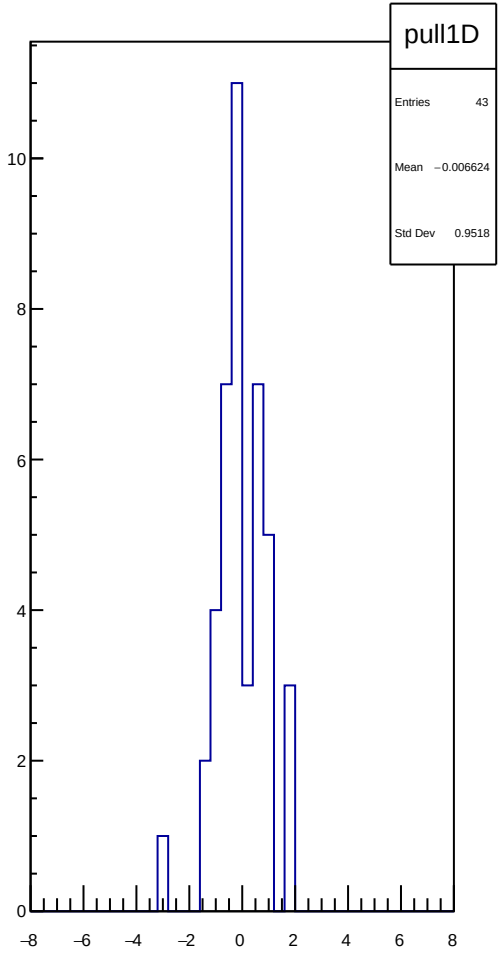

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.166e+04 / 42
p0 260 ± 0.2858
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

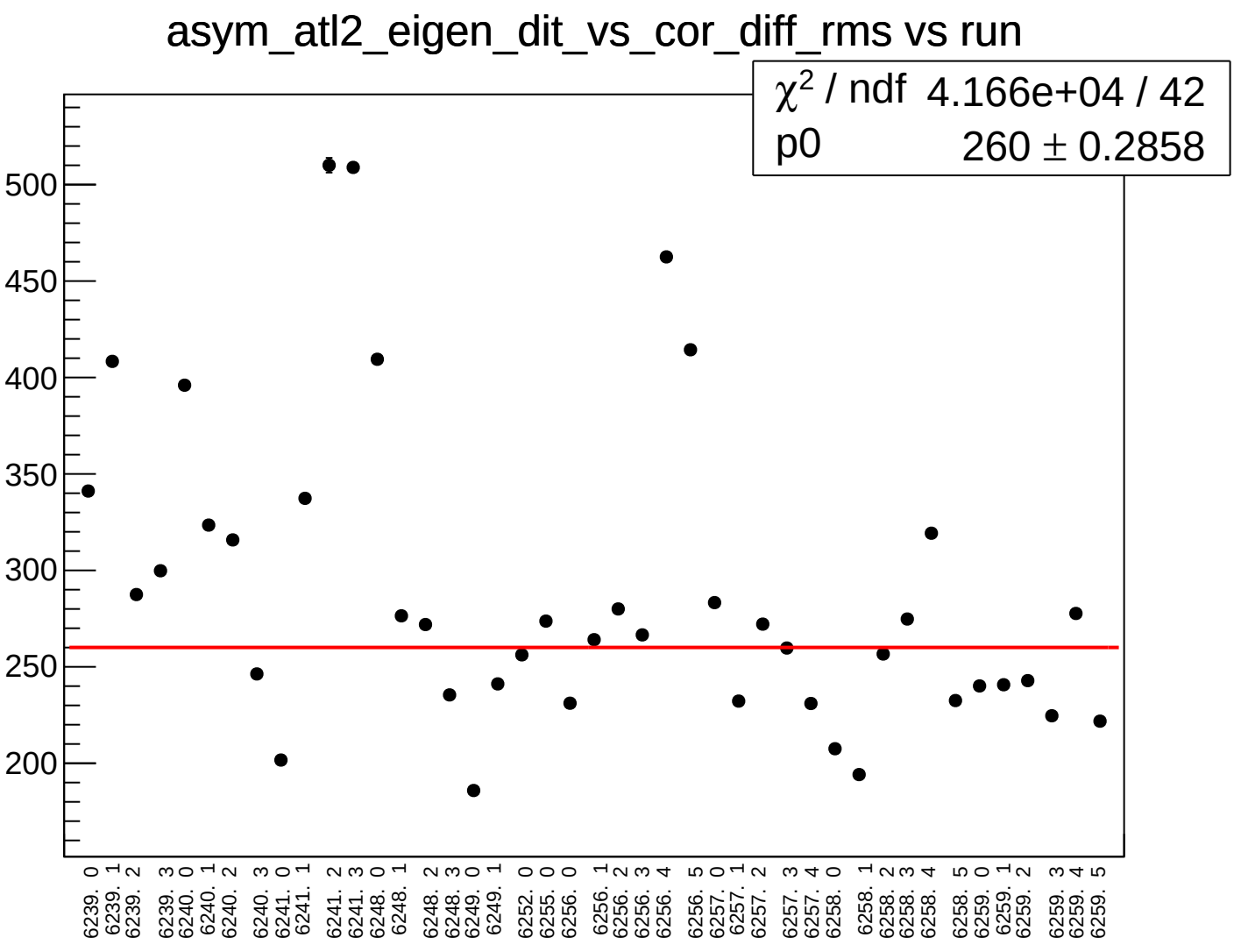

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.74 / 42
p0 3.185e−05 ± 1.934e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.838
Std Dev 0
2
1
0
−1
−2

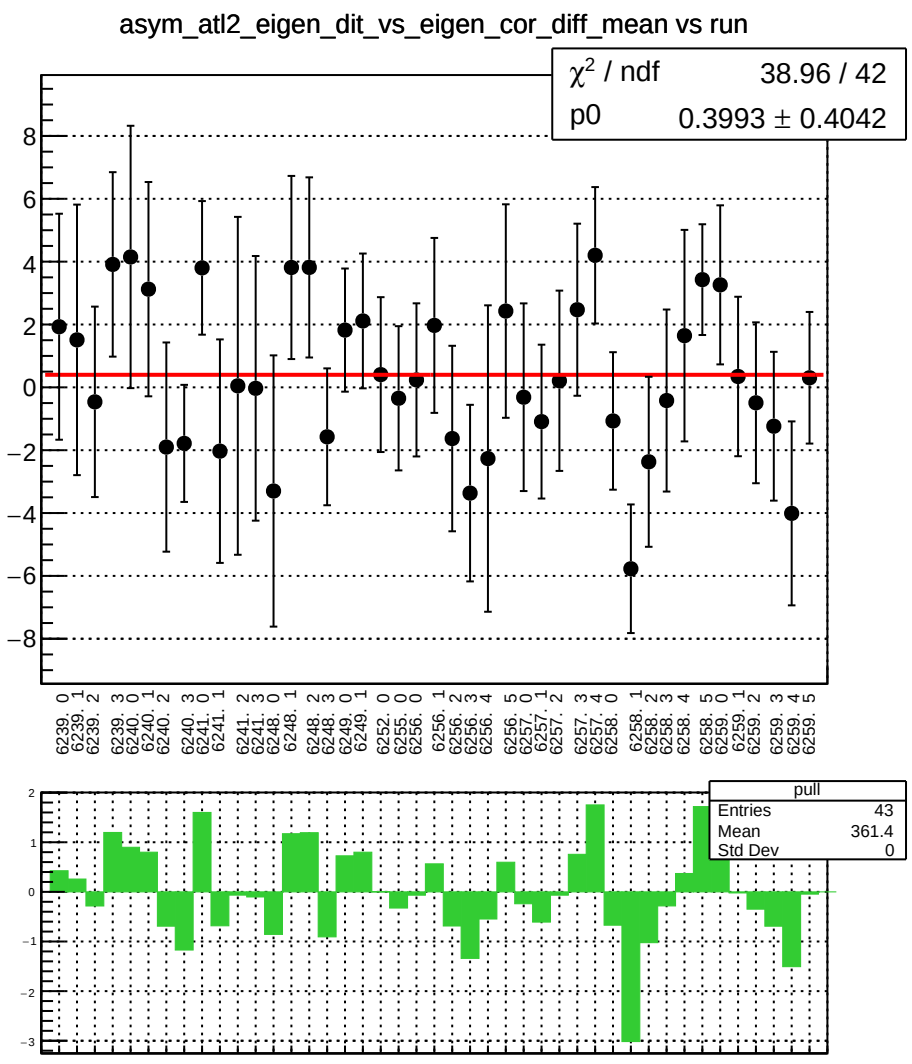

pull1D
Entries 43
Mean 0.06143
Std Dev 0.9348
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

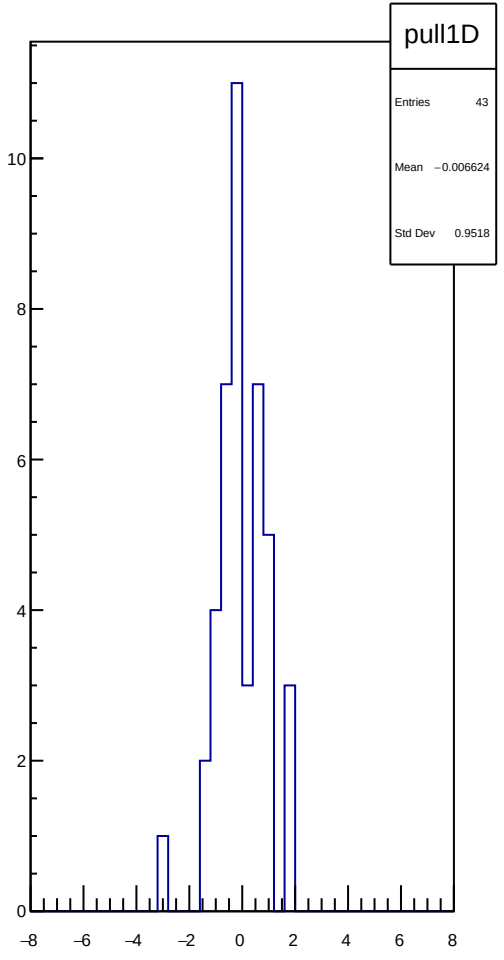

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.446e+04 / 42
p0 0.01219 ± 1.368e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

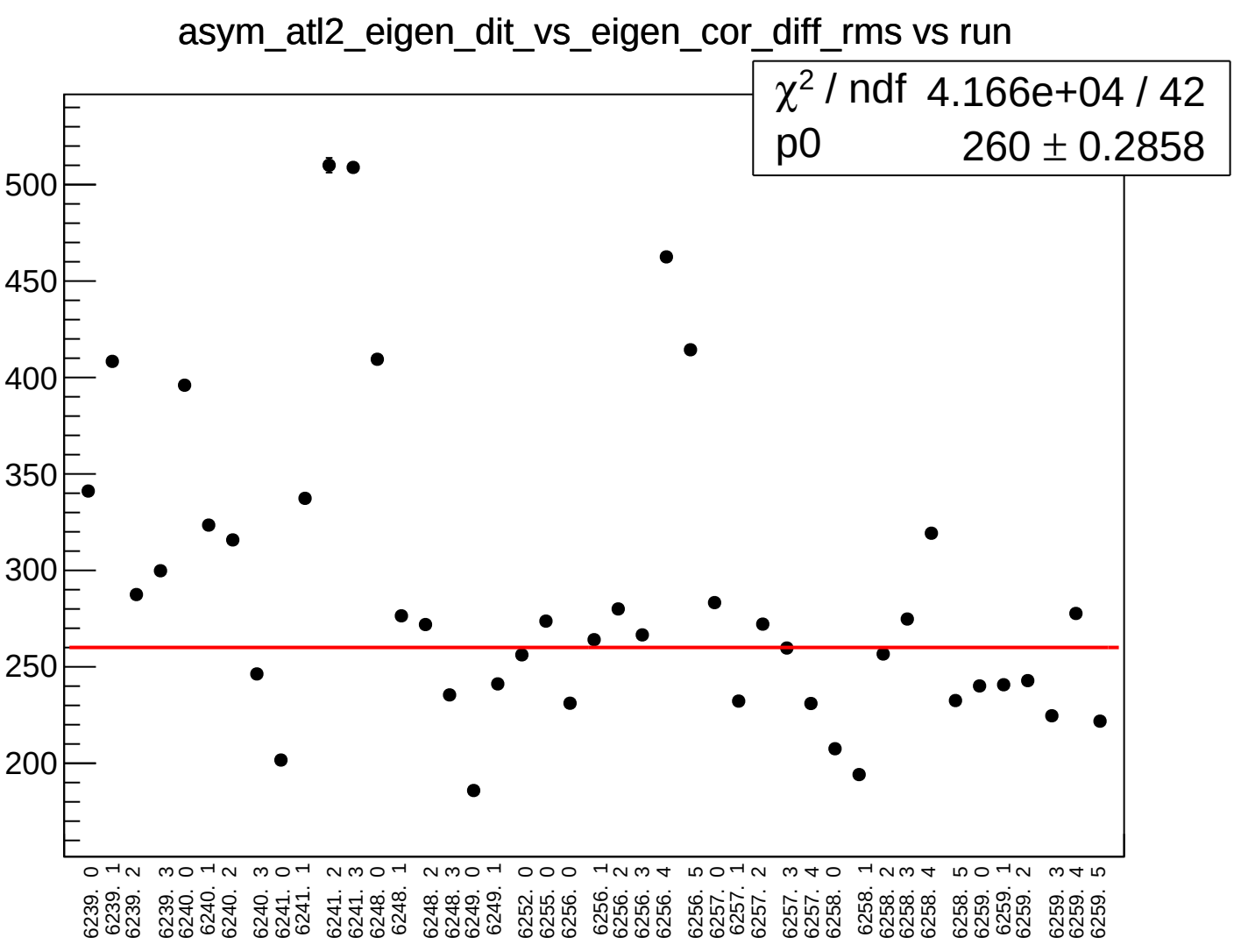

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.3993 ± 0.4042
pull
Entries 43
Mean 361.4
Std Dev 0

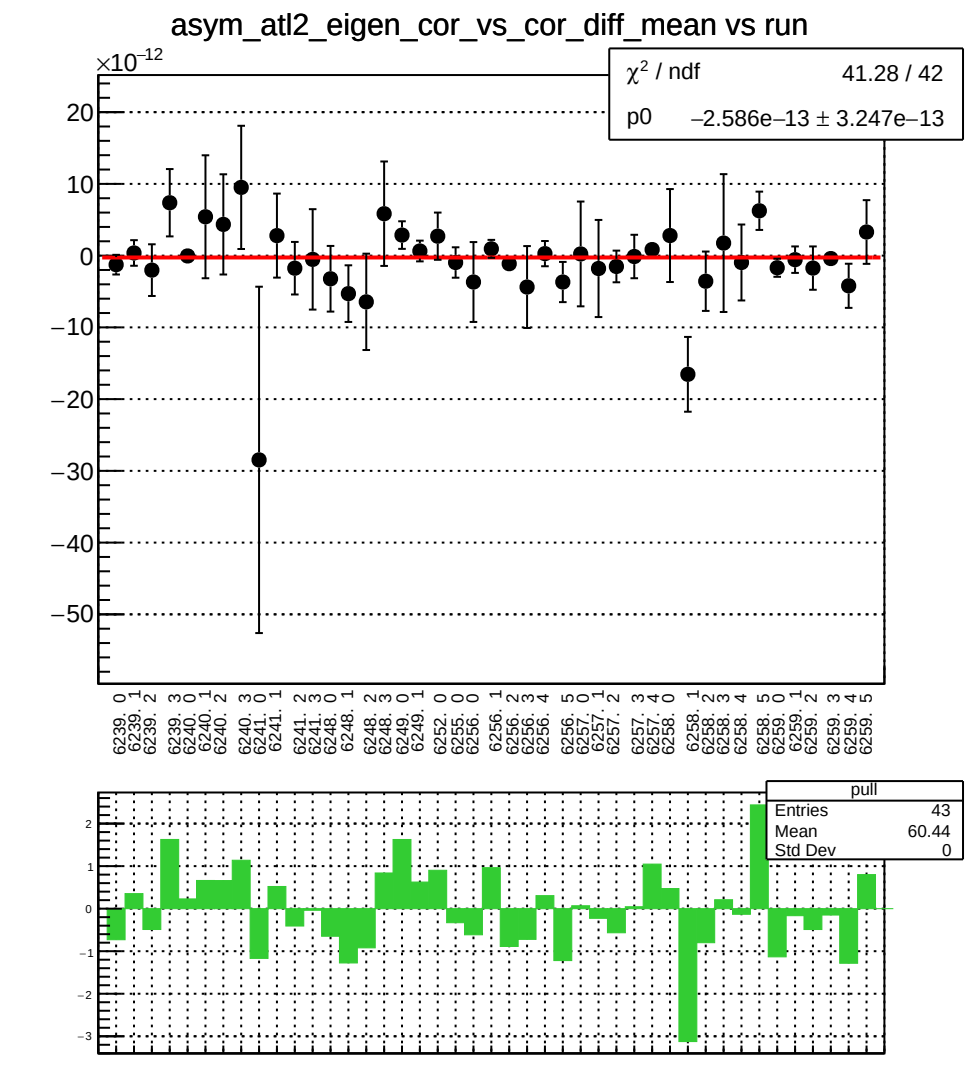

pull1D
Entries 43
Mean −0.006624
Std Dev 0.9518

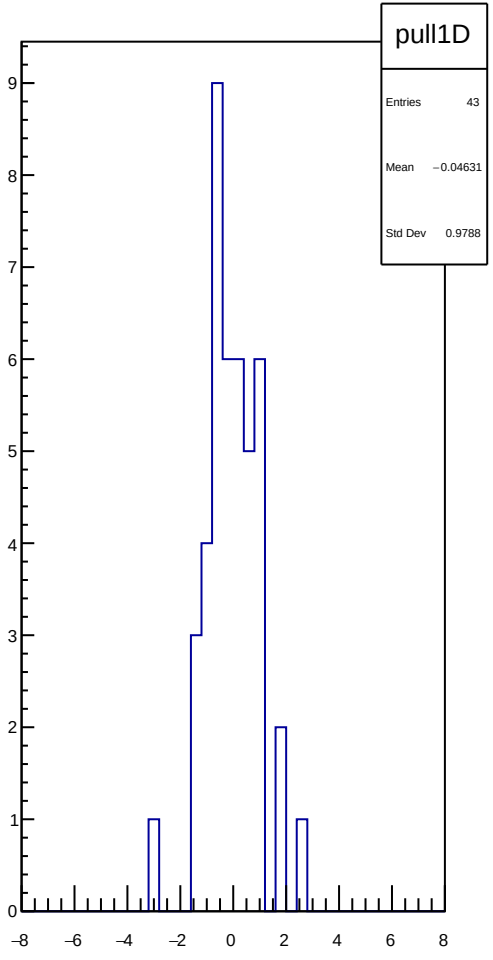

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.166e+04 / 42
p0 260 ± 0.2858
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

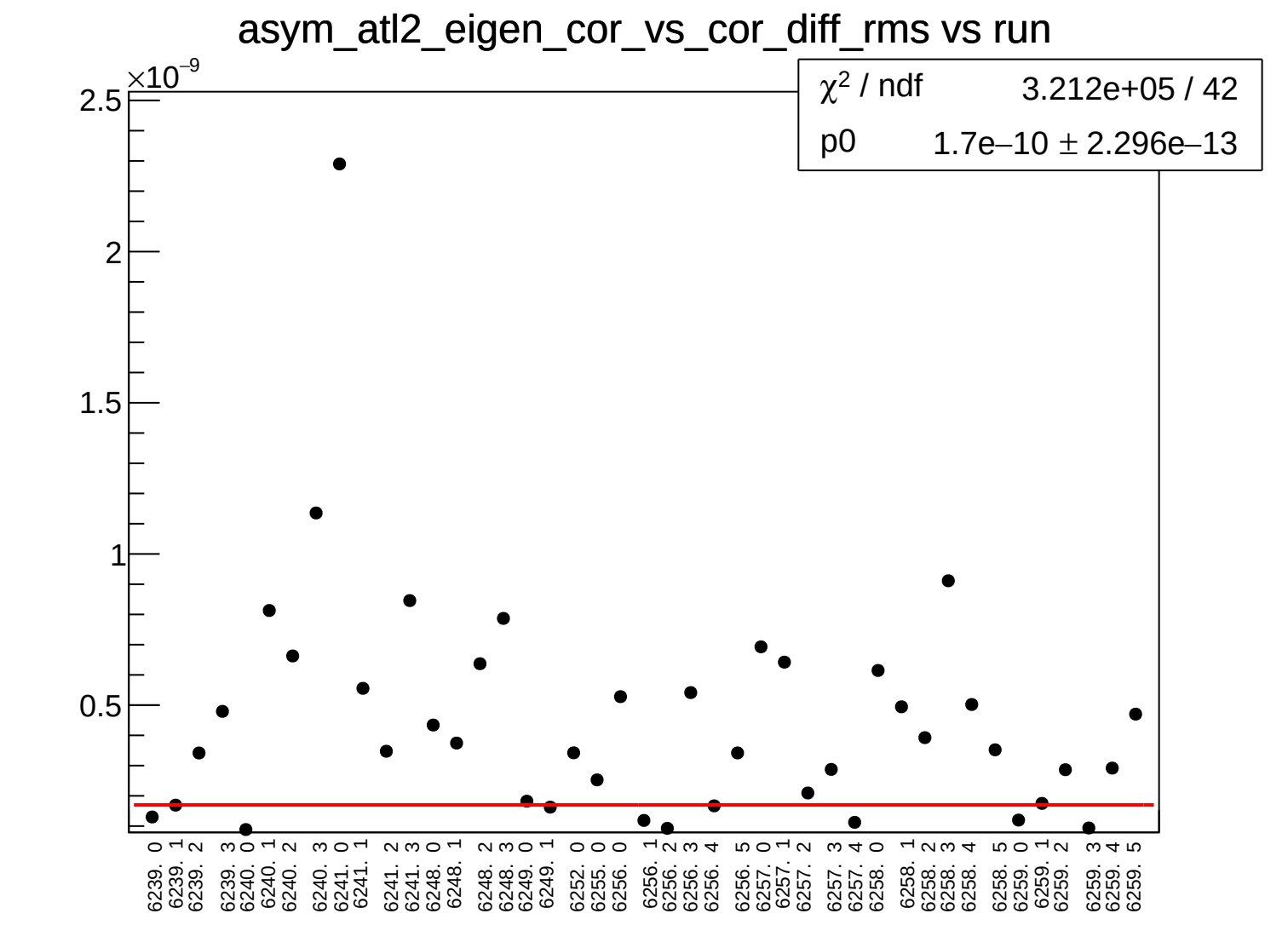

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.3993 ± 0.4042
pull
Entries 43
Mean 361.4
Std Dev 0

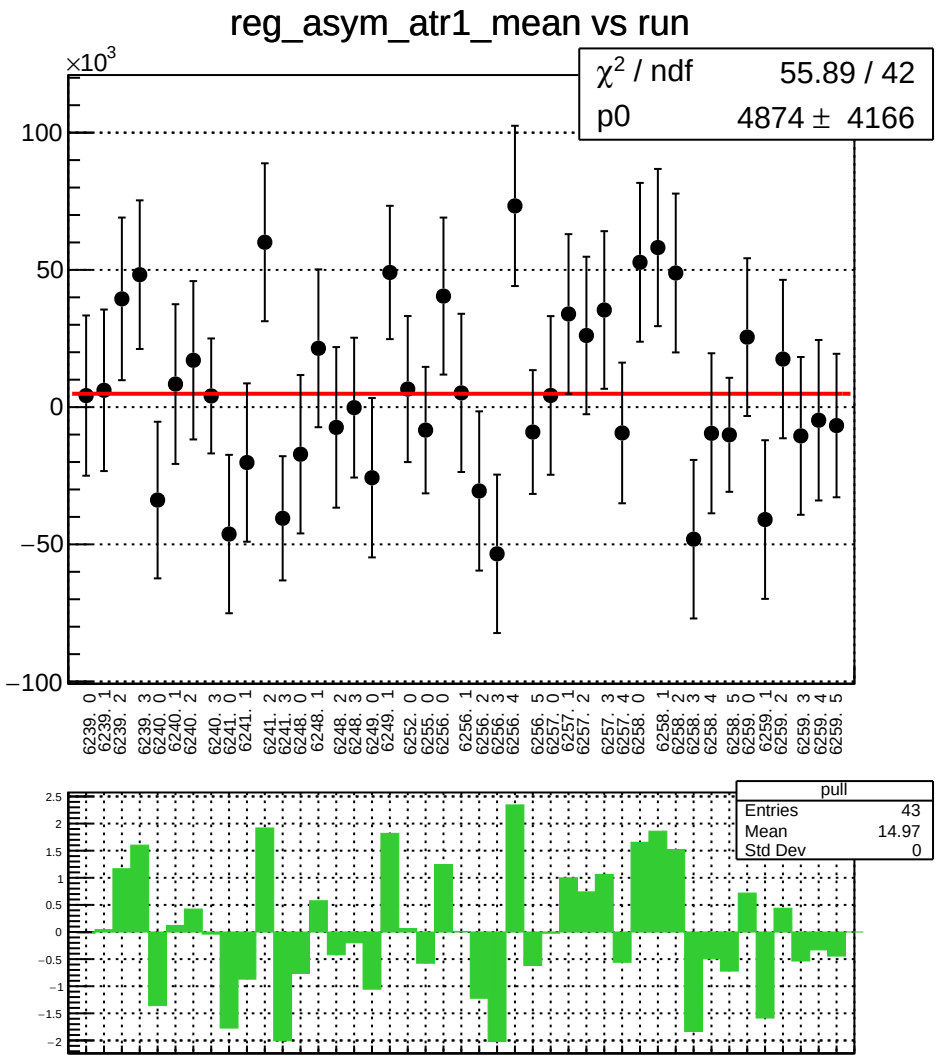

pull1D
Entries 43
Mean −0.006624
Std Dev 0.9518

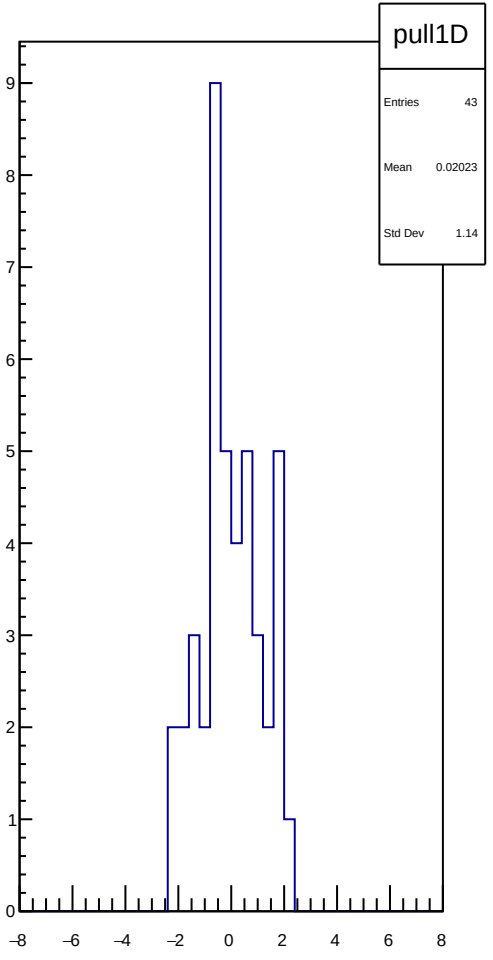

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.166e+04 / 42
p0 260 ± 0.2858
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

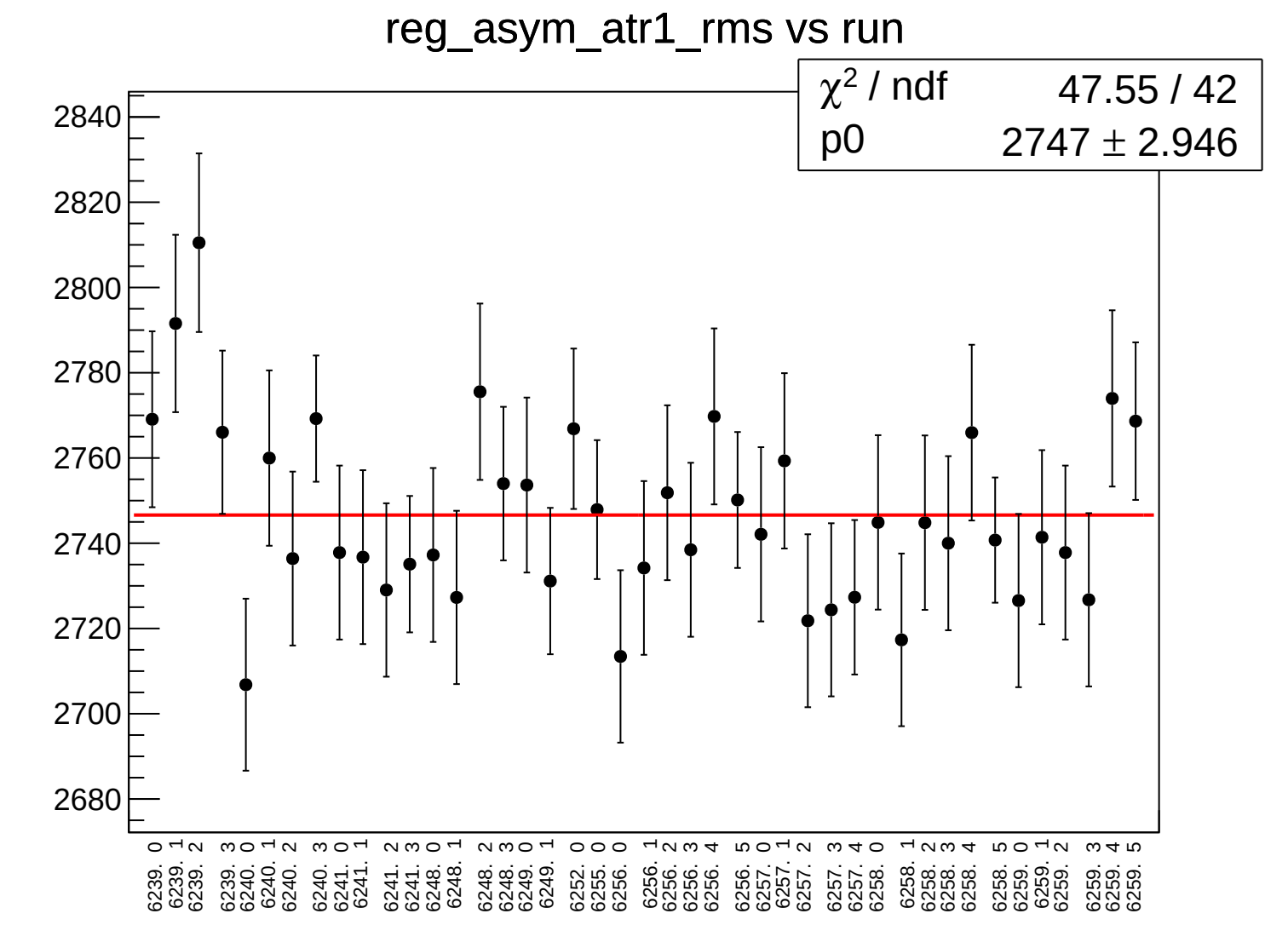

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.28 / 42
p0 −2.586e−13 ± 3.247e−13
20
10
0
−10
−20
−30
−40
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 60.44
Std Dev 0
2
1
0
−1
−2
−3

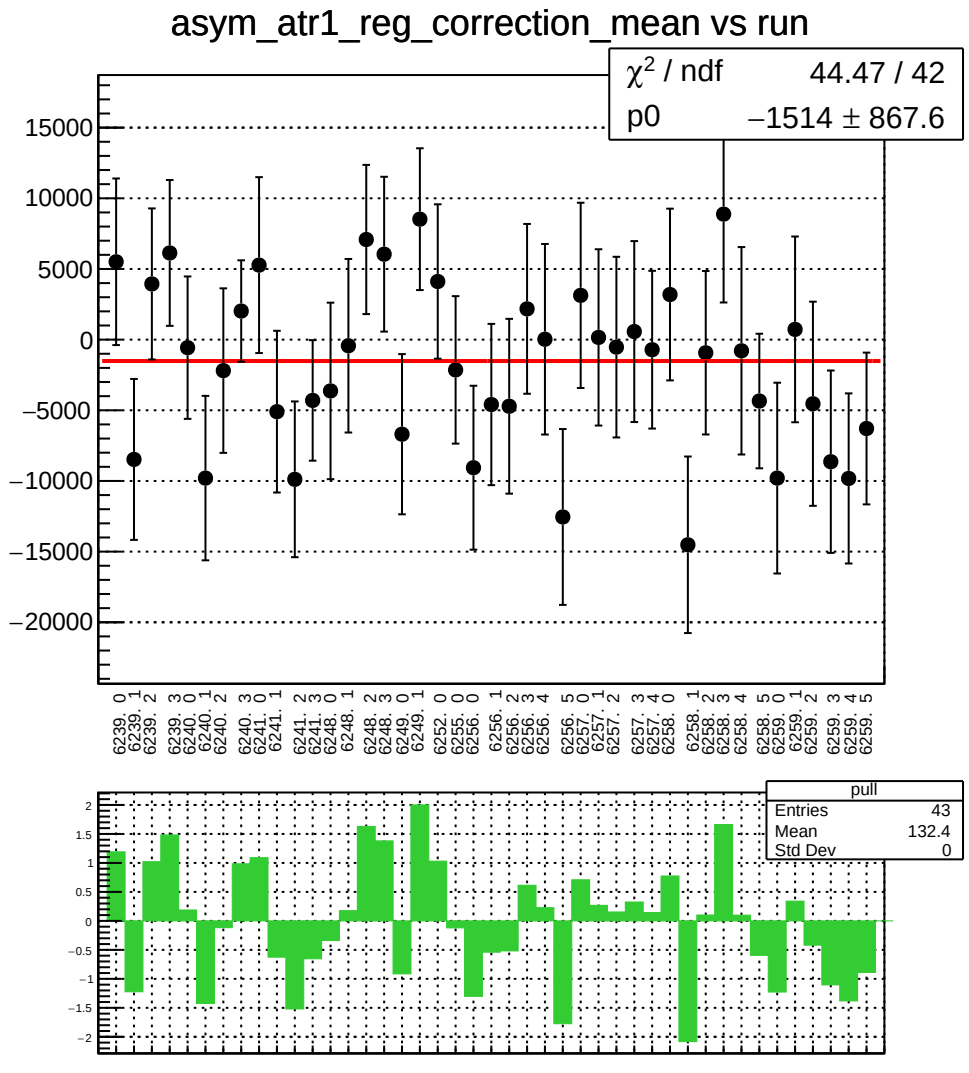

pull1D
Entries 43
Mean −0.04631
Std Dev 0.9788
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

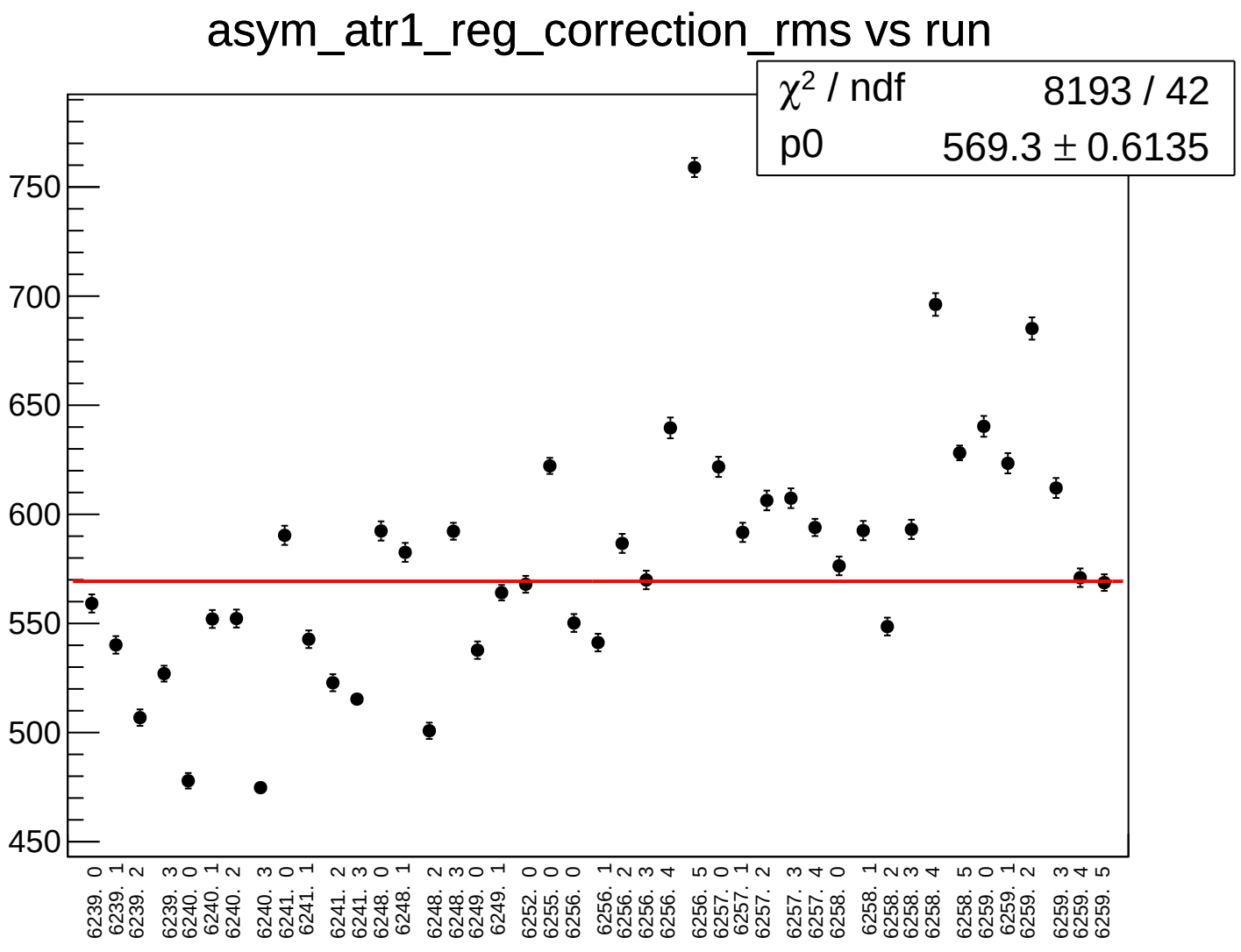

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
2.5
2
1.5
1
0.5
χ² / ndf 3.212e+05 / 42
p0 1.7e−10 ± 2.296e−13
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

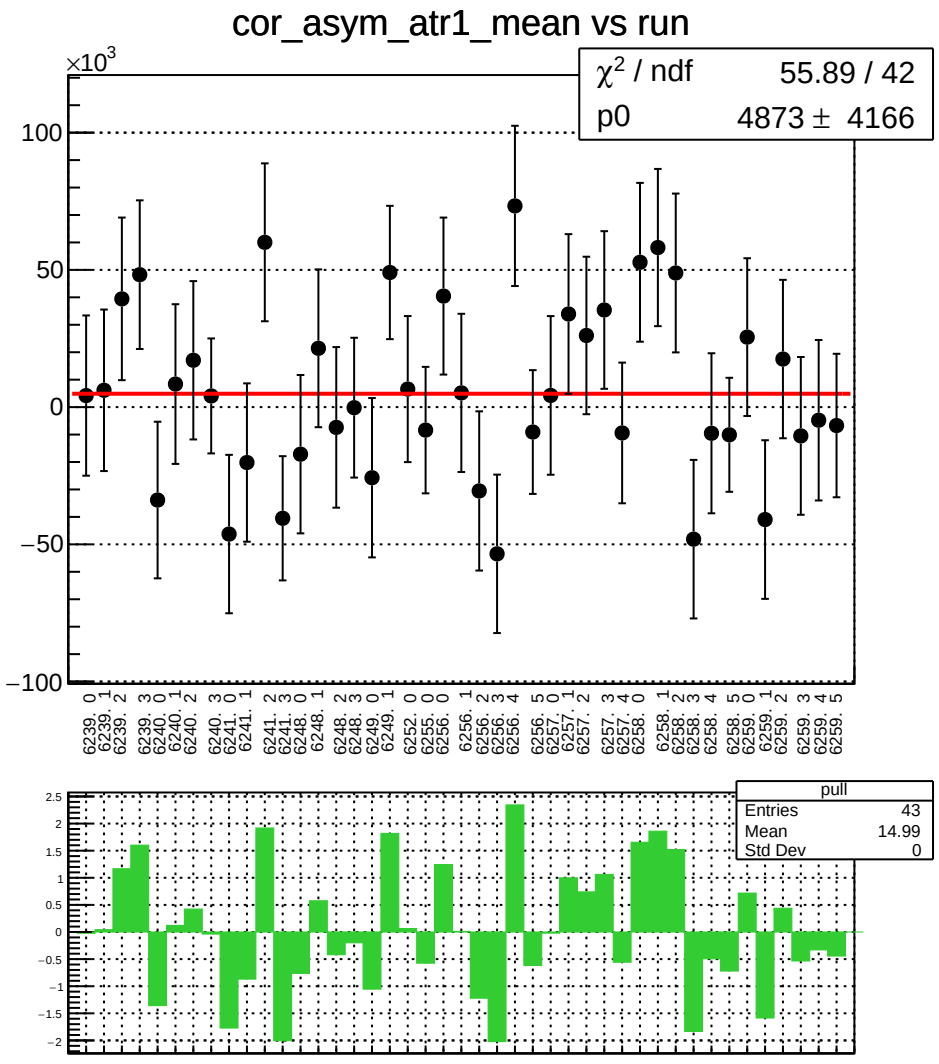

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 55.89 / 42
p0 4874 ± 4166
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

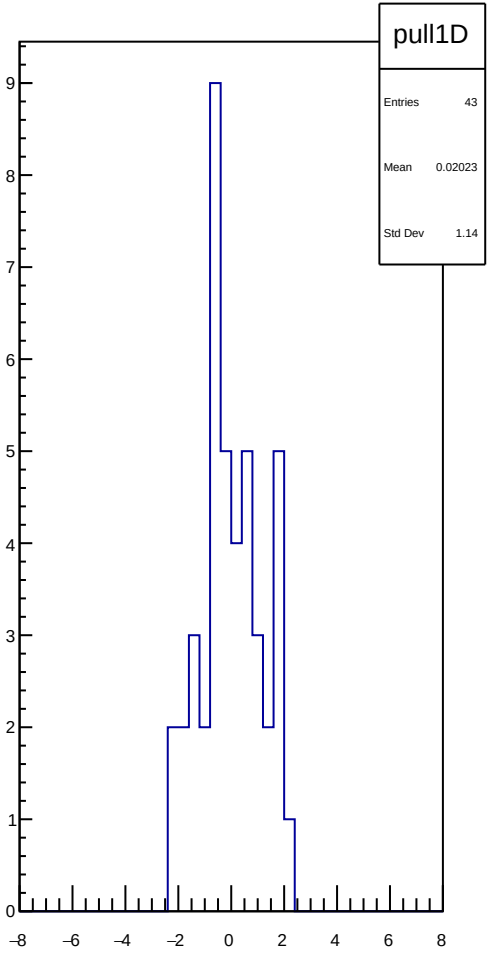

pull1D
Entries 43
Mean 0.02023
Std Dev 1.14
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

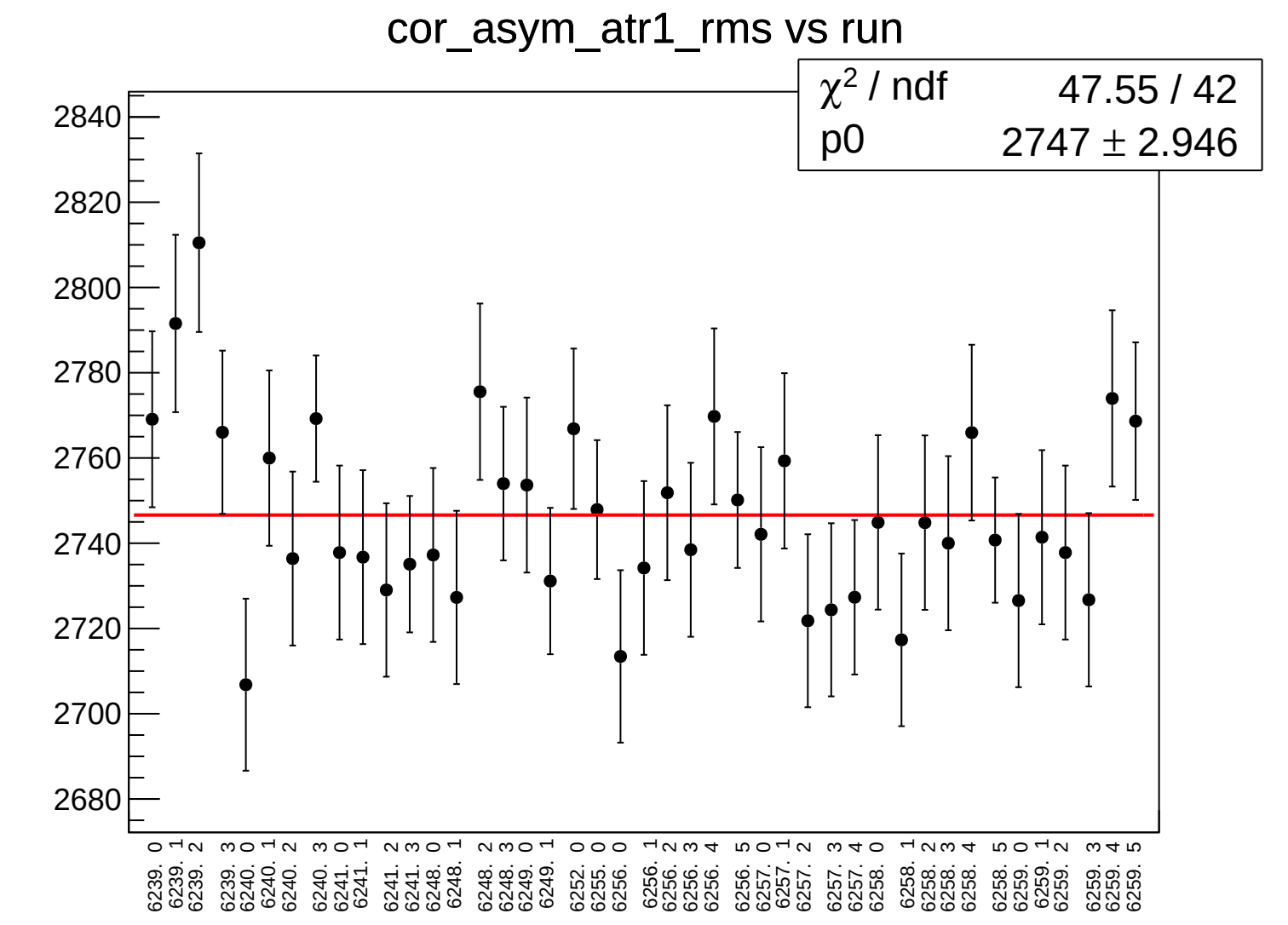

reg_asym_atr1_rms vs run
χ² / ndf 47.55 / 42
p0 2747 ± 2.946
2840
2820
2800
2780
2760
2740
2720
2700
2680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1_reg_correction_mean vs run
χ² / ndf 44.47 / 42
p0 −1514 ± 867.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 132.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02718
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_reg_correction_rms vs run
χ² / ndf 8193 / 42
p0 569.3 ± 0.6135
750
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 55.89 / 42
p0 4873 ± 4166
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02023
Std Dev 1.14
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1_rms vs run
χ² / ndf 47.55 / 42
p0 2747 ± 2.946
2840
2820
2800
2780
2760
2740
2720
2700
2680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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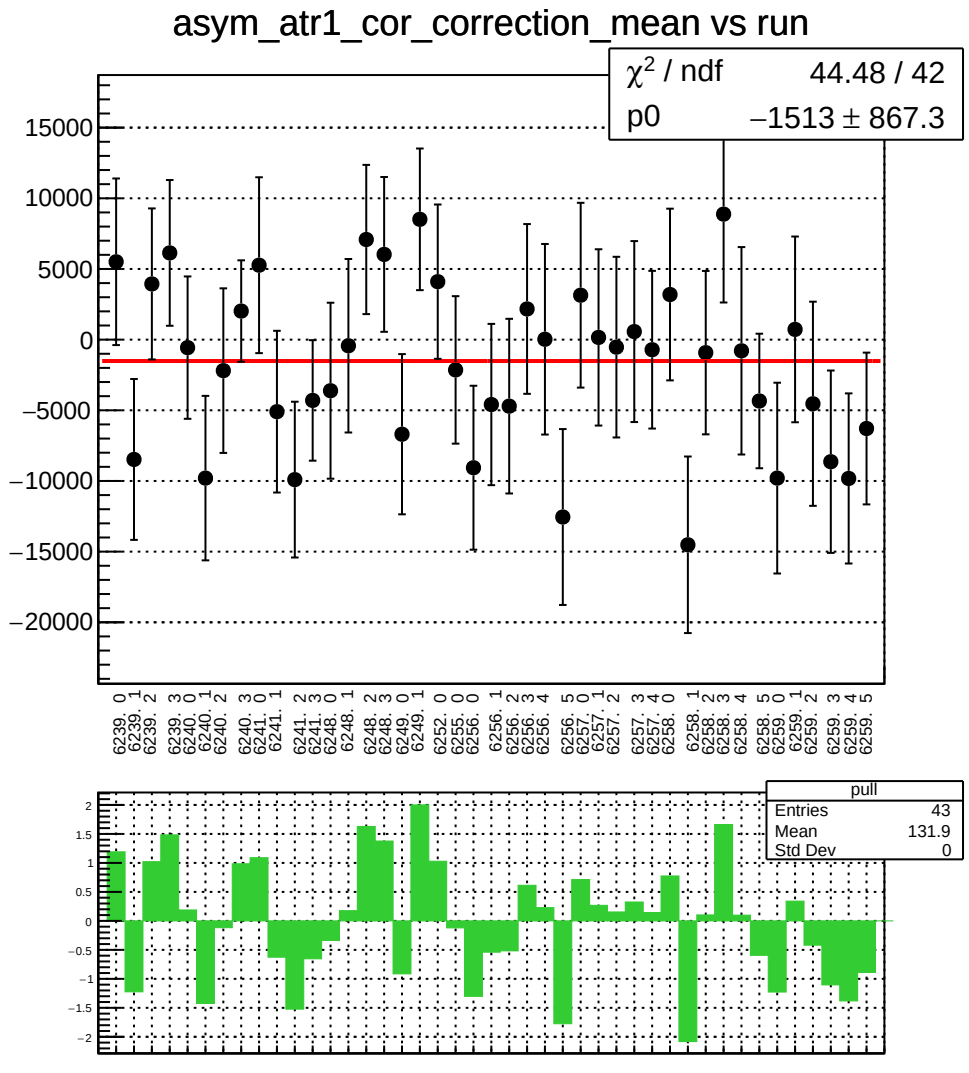
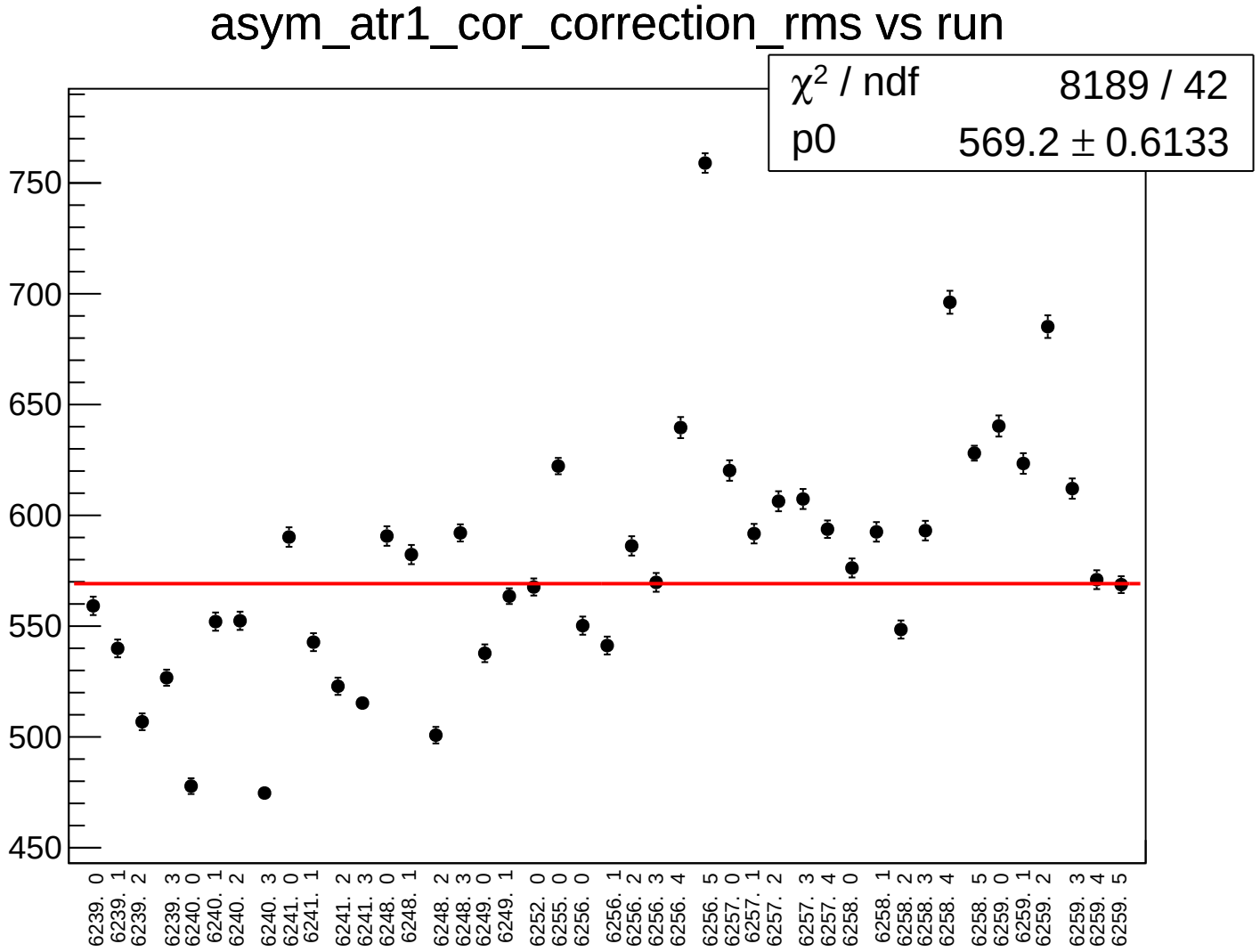
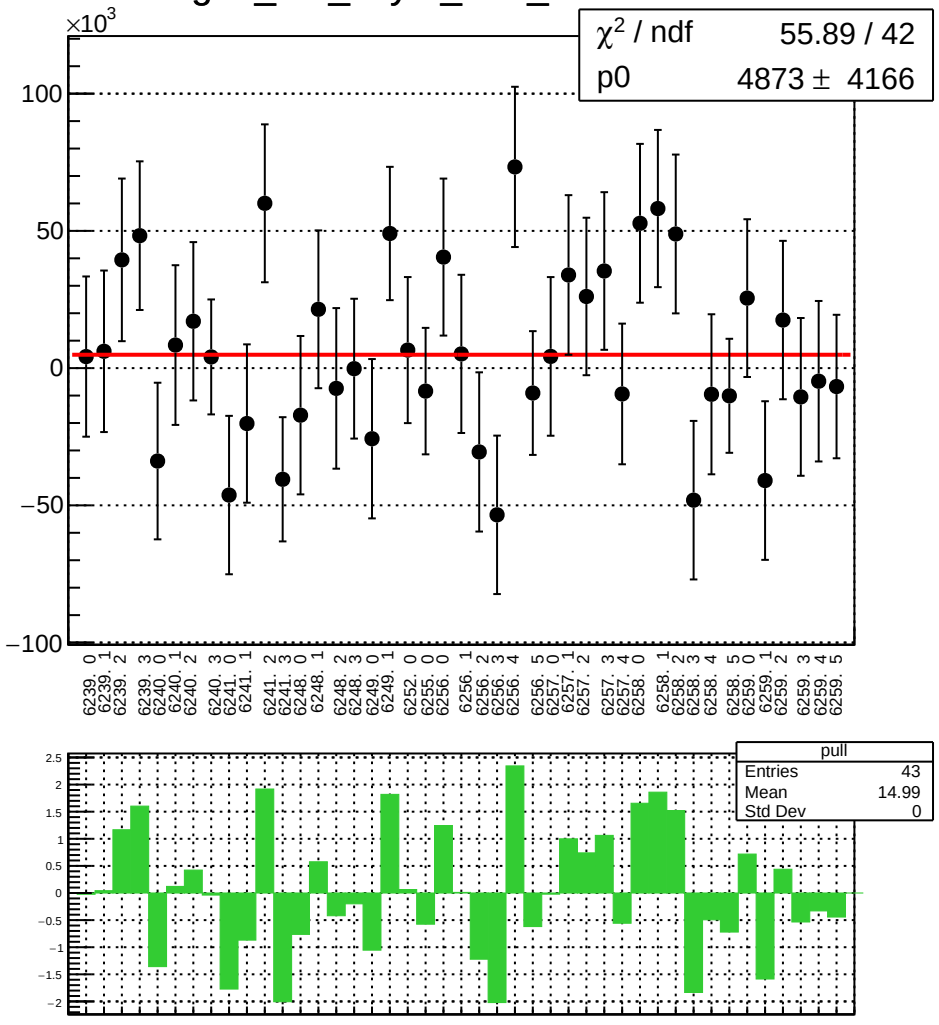
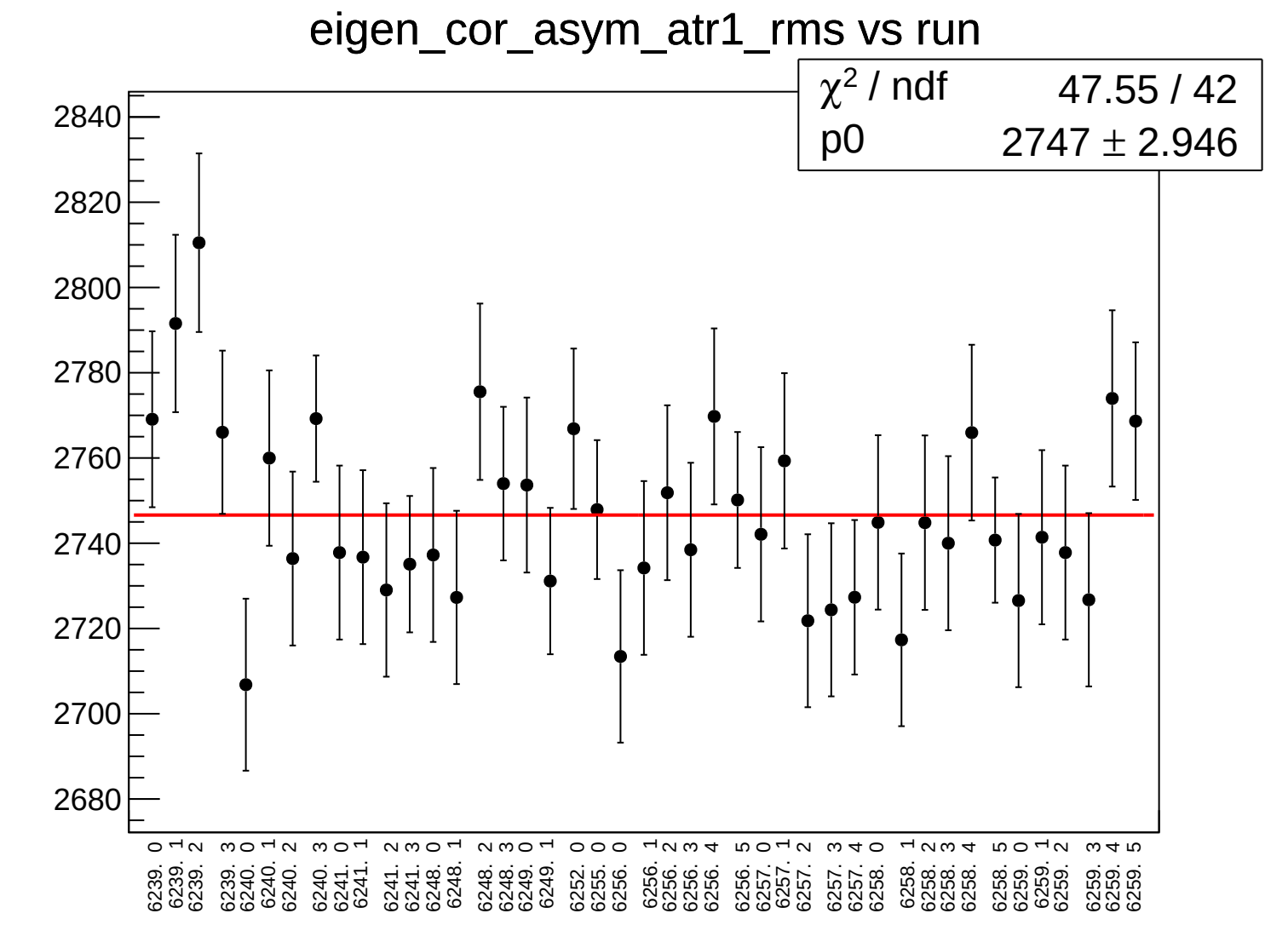
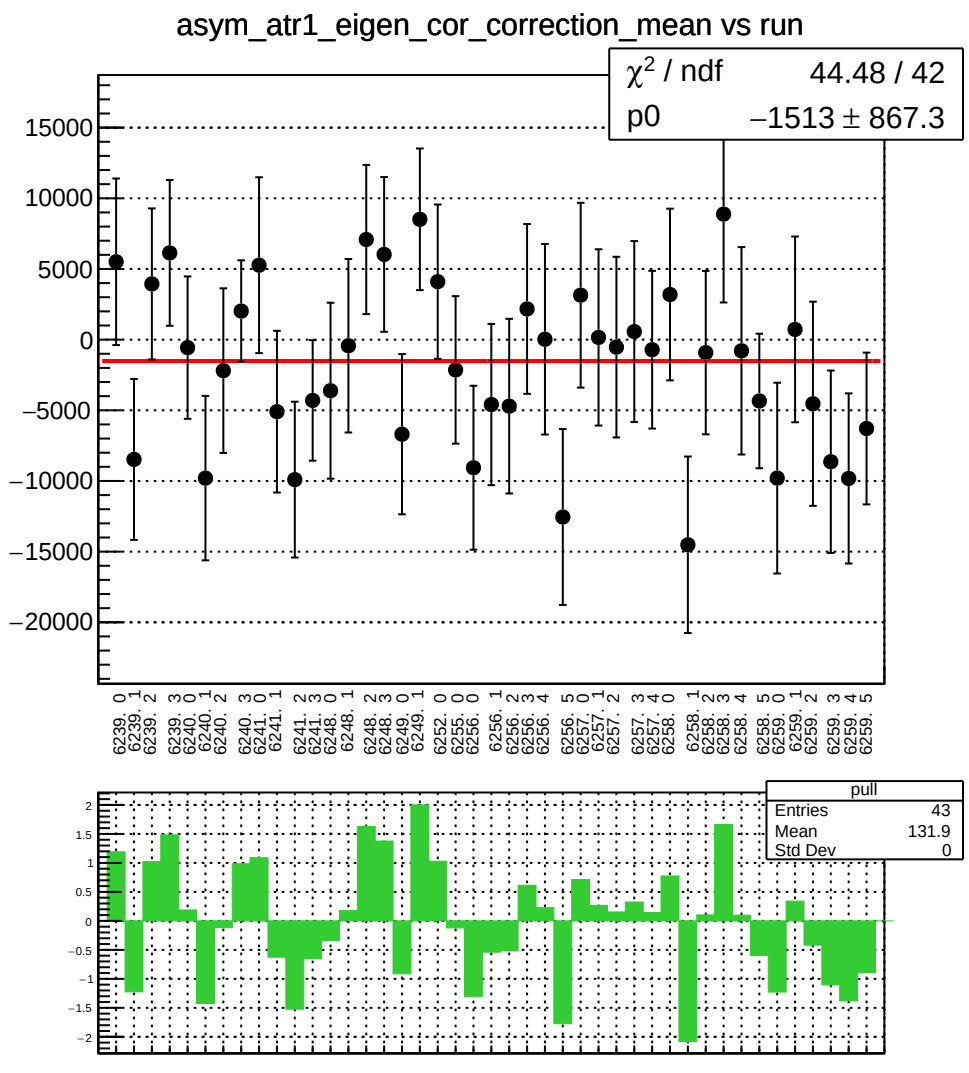
6259. 2
6259. 3
6259. 4
6259. 5

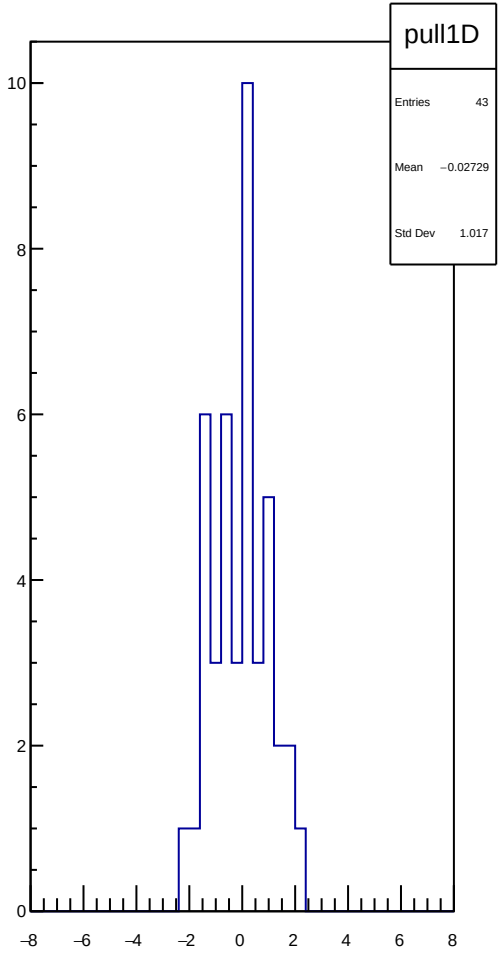

asym_atr1_cor_correction_mean vs run
χ² / ndf 44.48 / 42
p0 −1513 ± 867.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 131.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02729
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

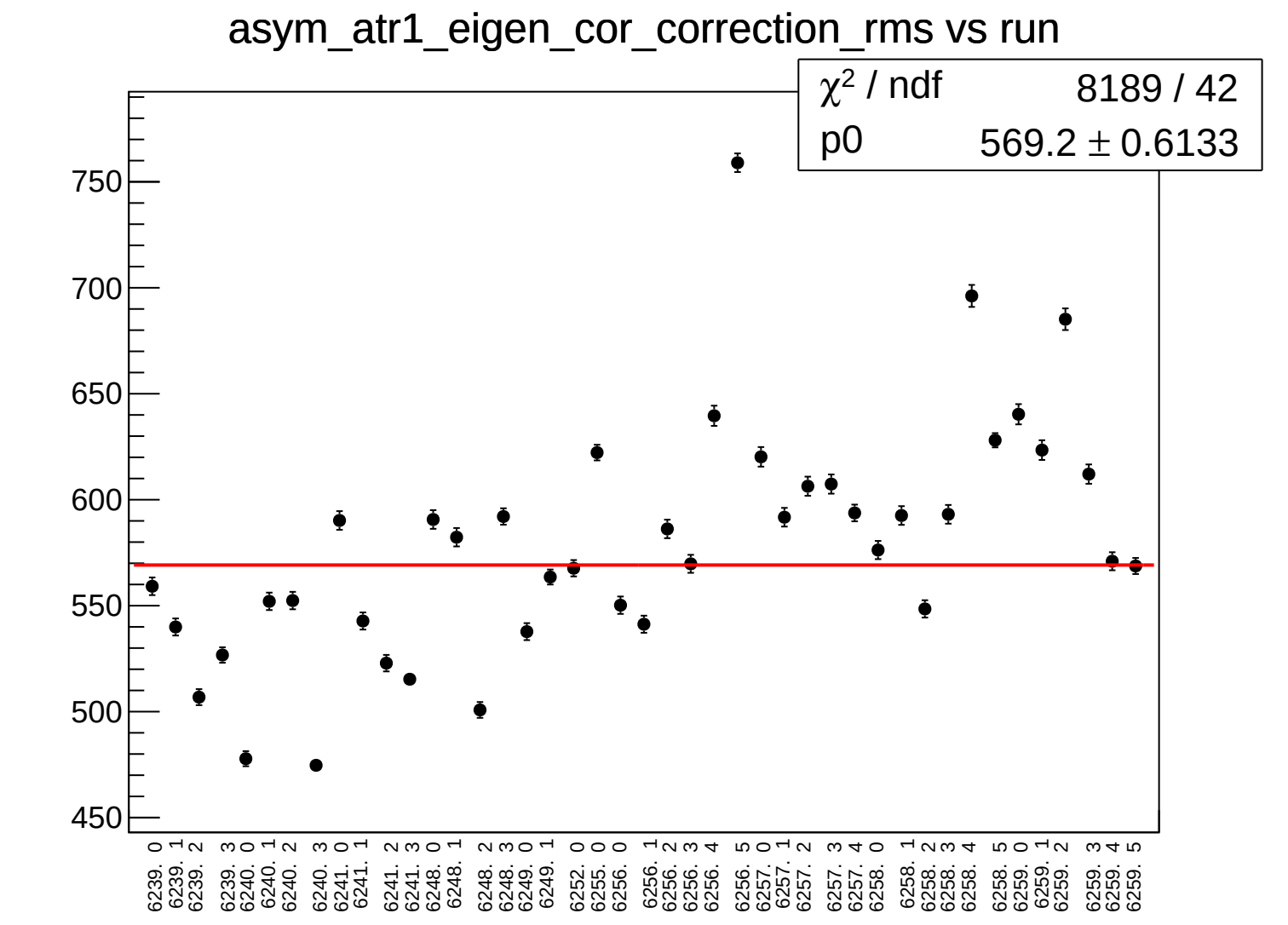

asym_atr1_cor_correction_rms vs run
χ² / ndf 8189 / 42
p0 569.2 ± 0.6133
750
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

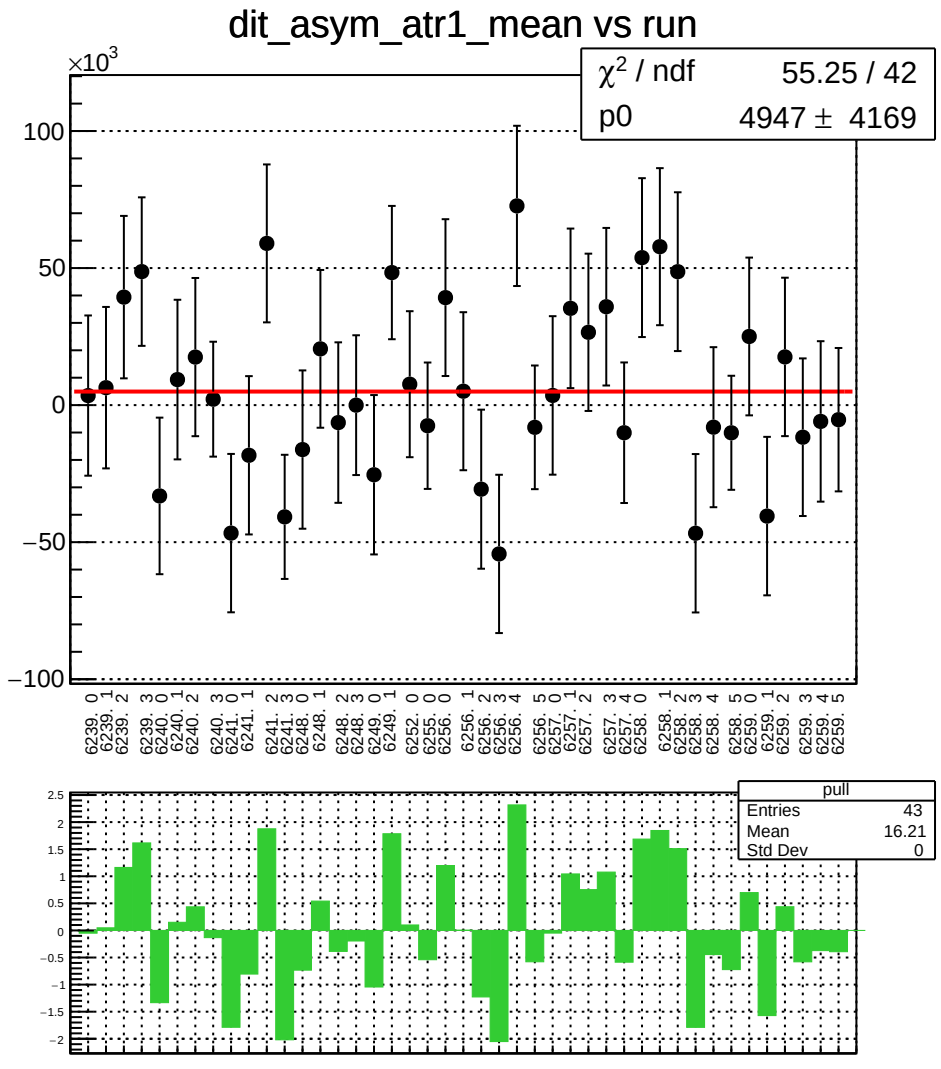

eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 55.89 / 42
p0 4873 ± 4166
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02023
Std Dev 1.14
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

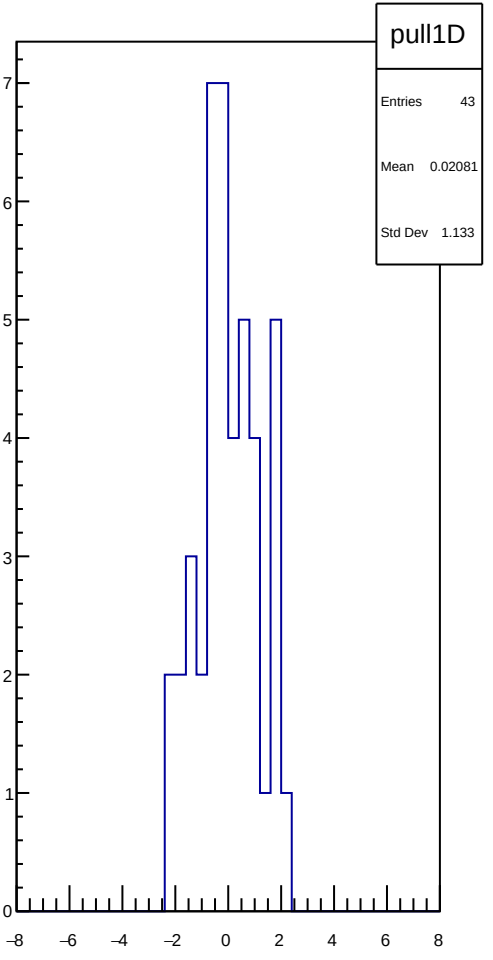

eigen_cor_asym_atr1_rms vs run
χ² / ndf 47.55 / 42
p0 2747 ± 2.946
2840
2820
2800
2780
2760
2740
2720
2700
2680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

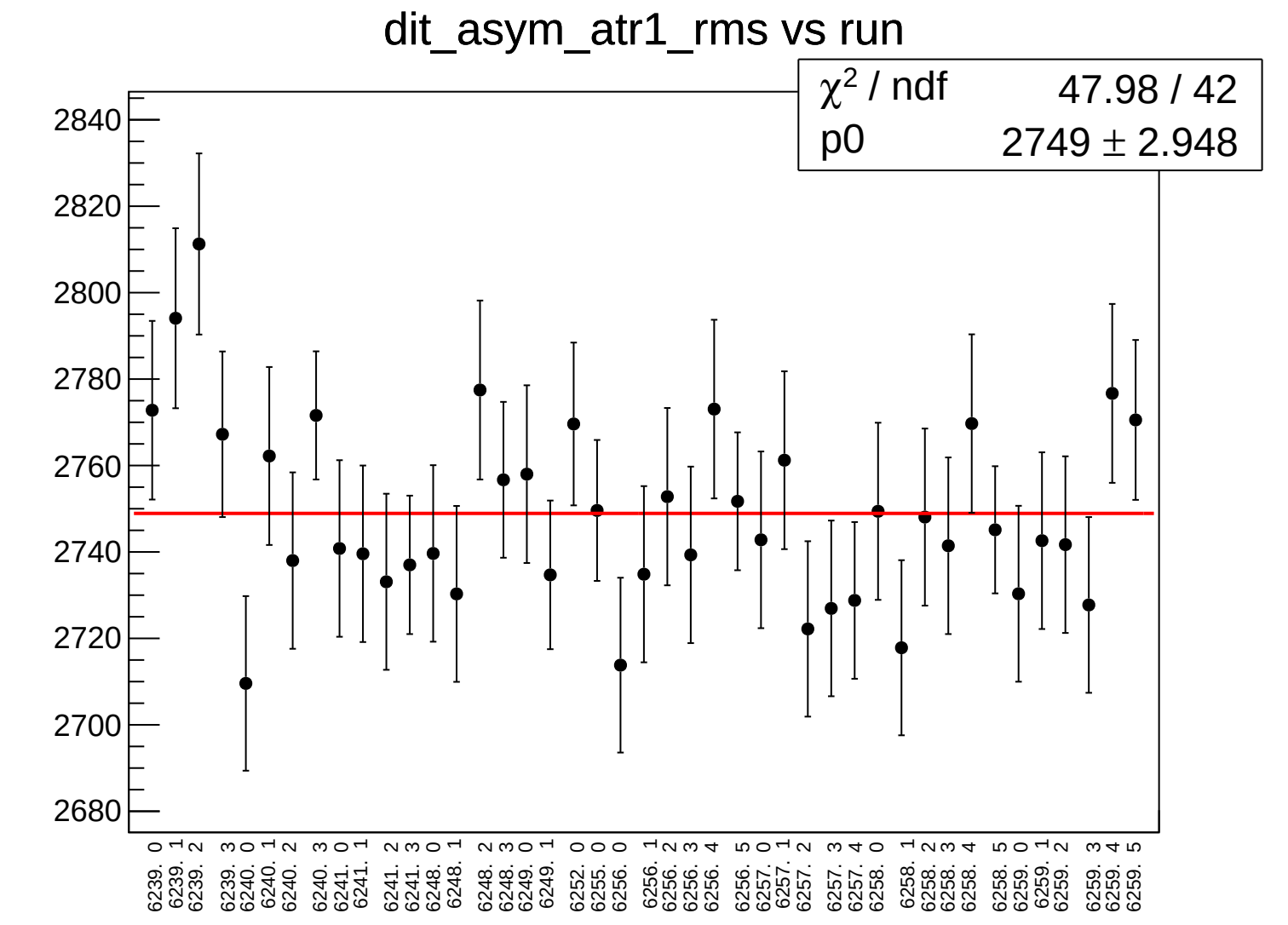

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 44.48 / 42
p0 −1513 ± 867.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 131.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.02729
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 8189 / 42
p0 569.2 ± 0.6133
750
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 55.25 / 42
p0 4947 ± 4169
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02081
Std Dev 1.133
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1_rms vs run
χ² / ndf 47.98 / 42
p0 2749 ± 2.948
2840
2820
2800
2780
2760
2740
2720
2700
2680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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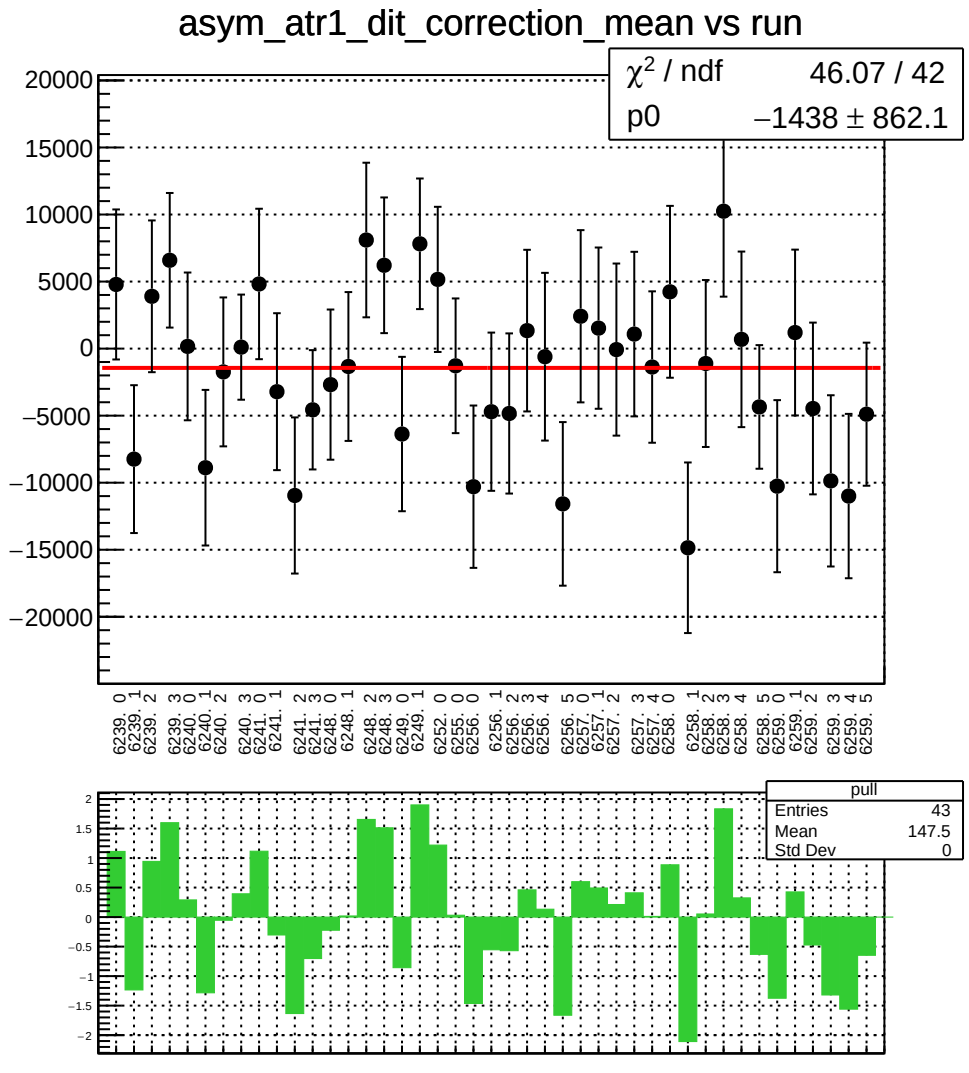
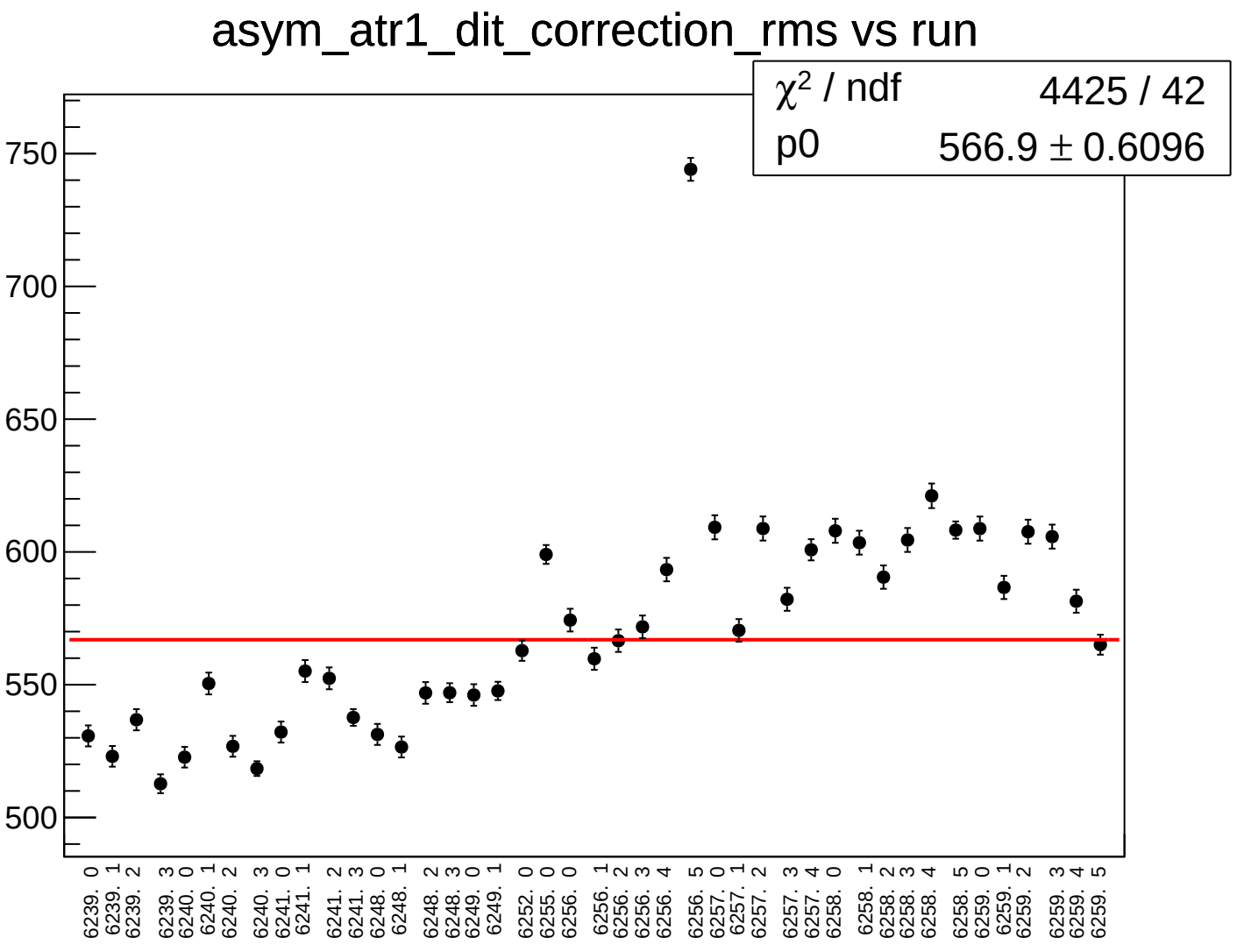
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1_dit_correction_mean vs run
χ² / ndf 46.07 / 42
p0 −1438 ± 862.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 147.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02358
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_dit_correction_rms vs run
χ² / ndf 4425 / 42
p0 566.9 ± 0.6096
750
700
650
600
550
500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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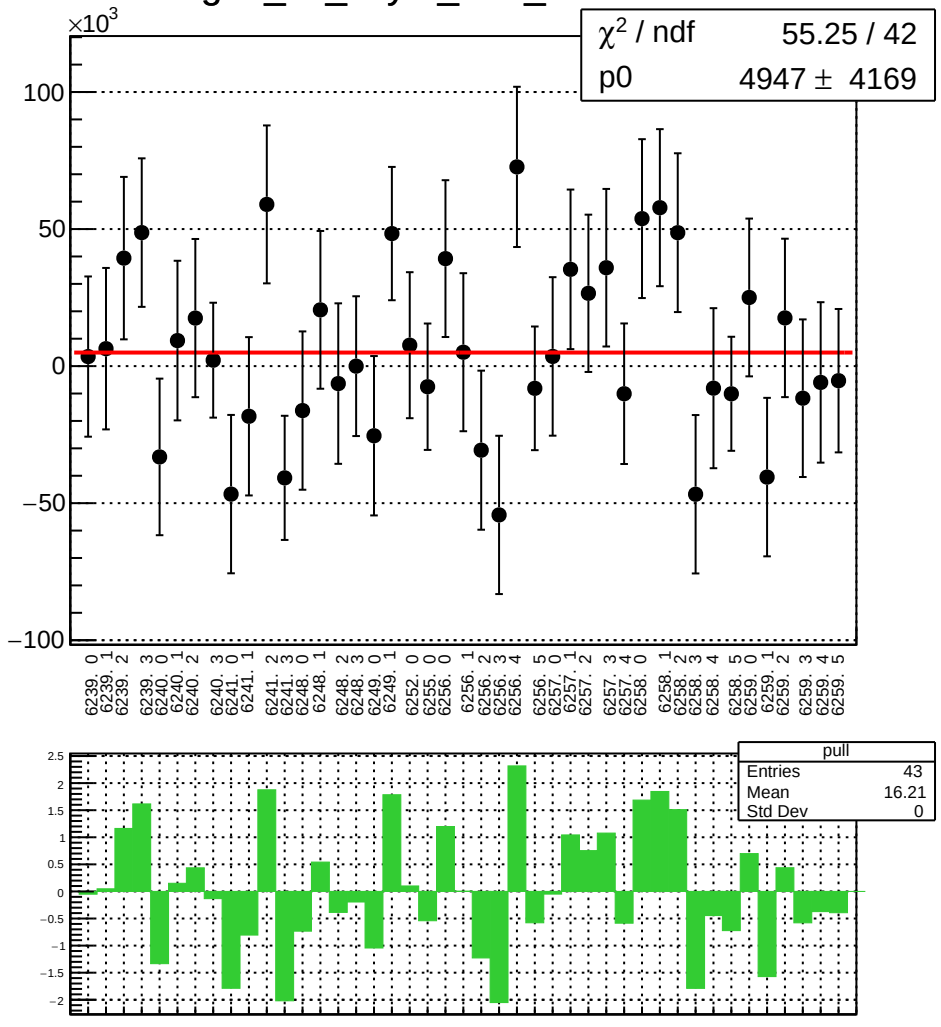
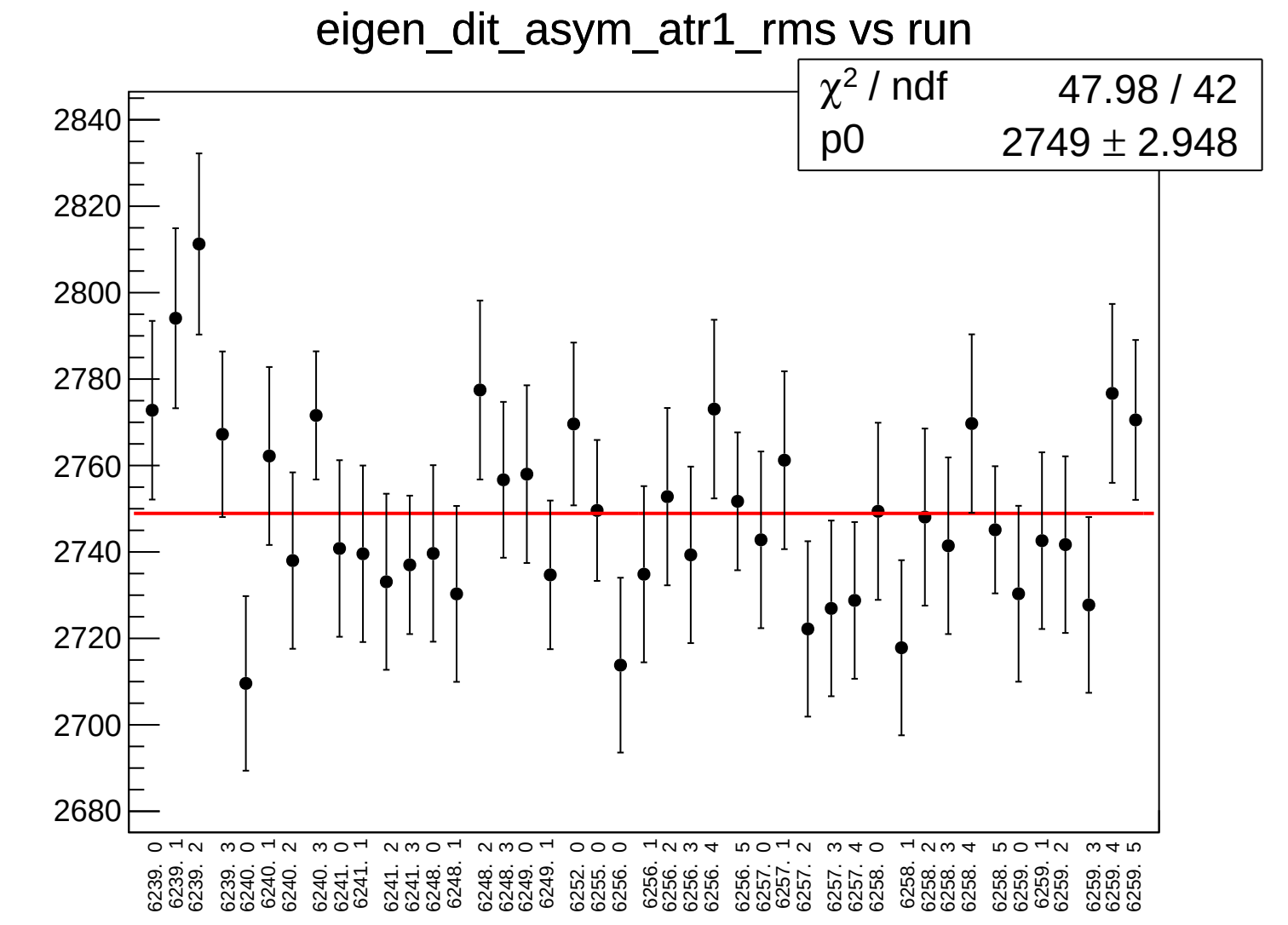
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 55.25 / 42
p0 4947 ± 4169
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02081
Std Dev 1.133
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1_rms vs run
χ² / ndf 47.98 / 42
p0 2749 ± 2.948
2840
2820
2800
2780
2760
2740
2720
2700
2680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
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6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
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6257. 0
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6257. 2
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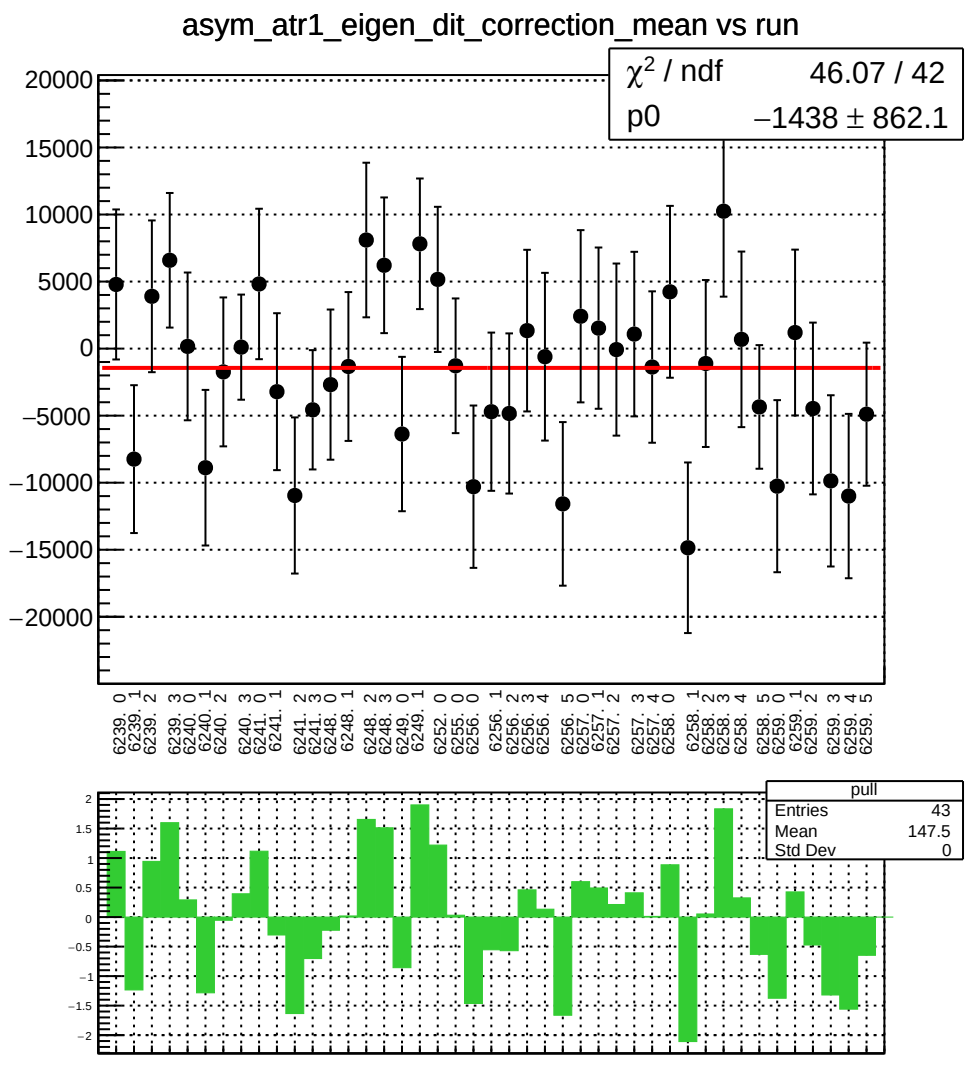
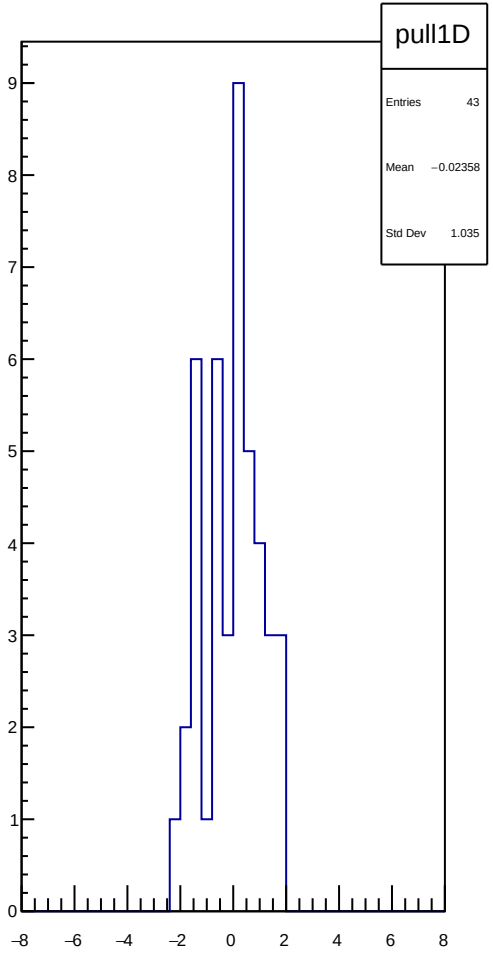
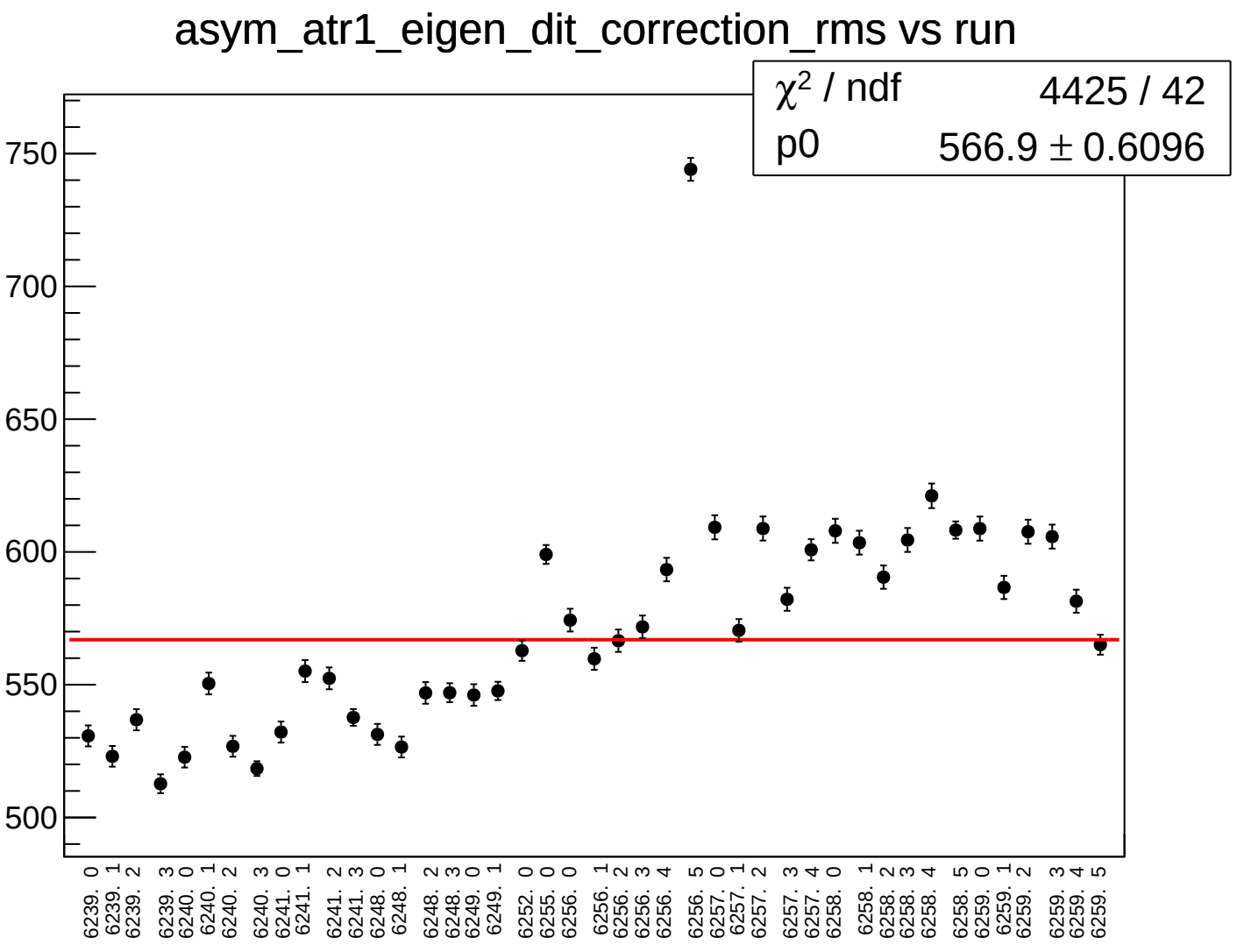
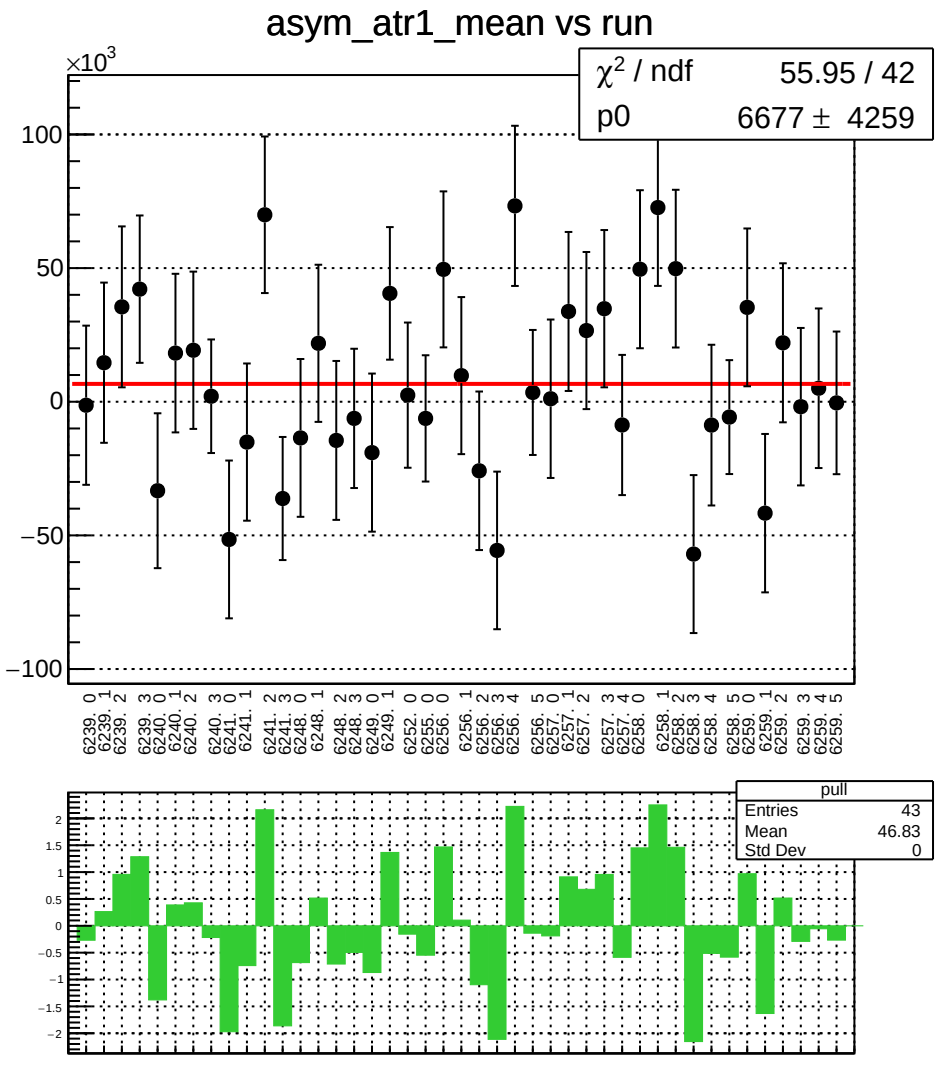
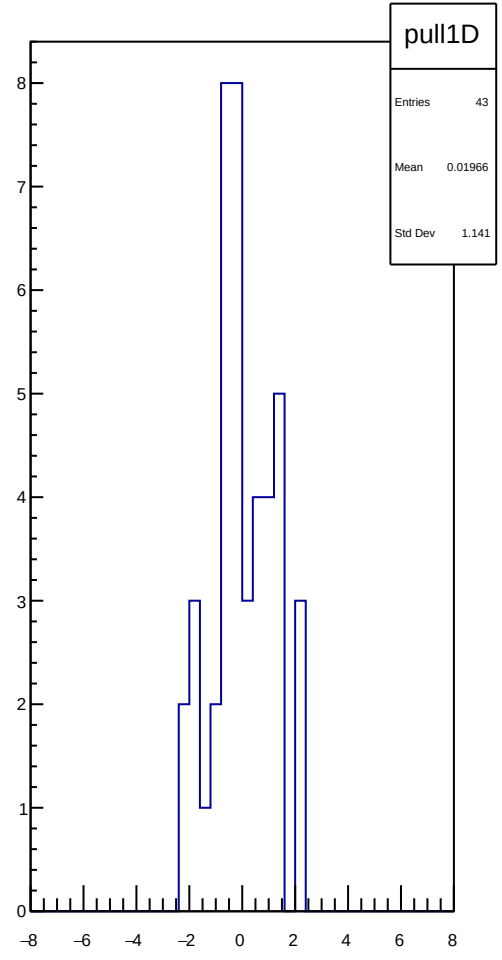
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

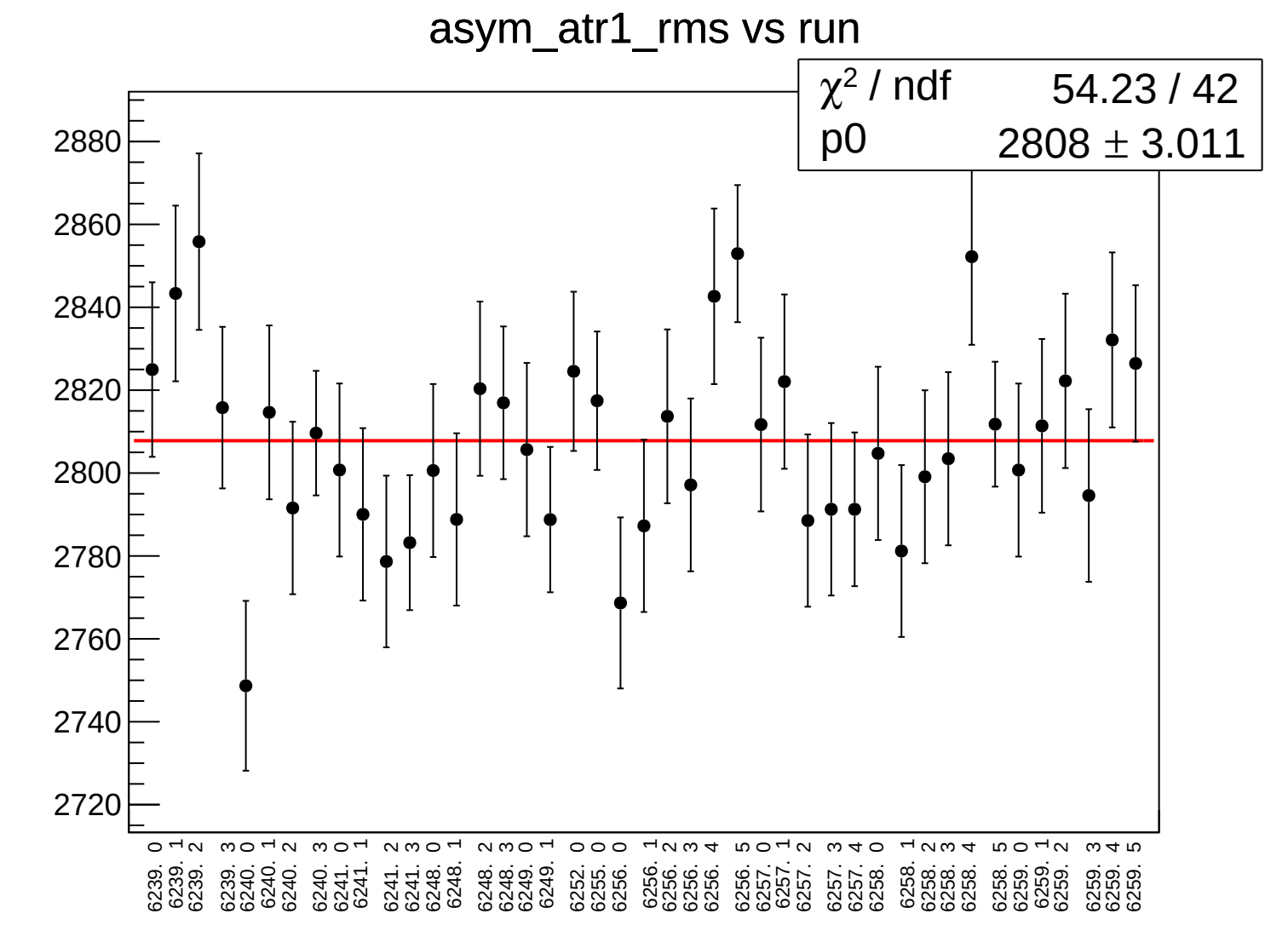

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 46.07 / 42
p0 −1438 ± 862.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 147.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

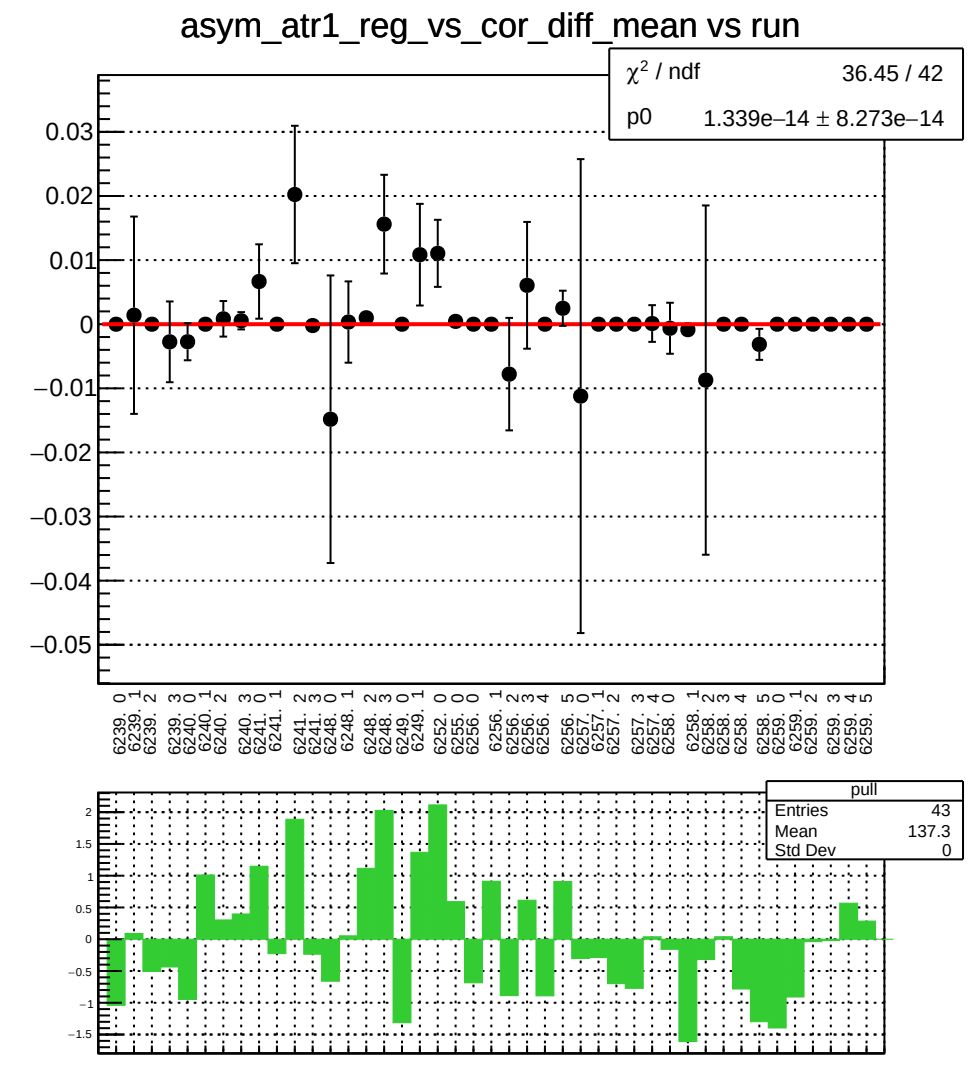

pull1D
Entries 43
Mean −0.02358
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

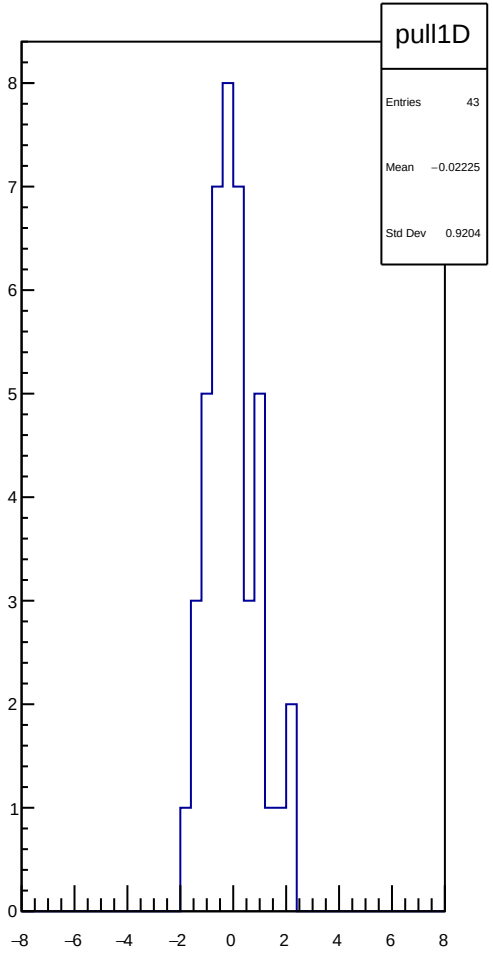

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 4425 / 42
p0 566.9 ± 0.6096
750
700
650
600
550
500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

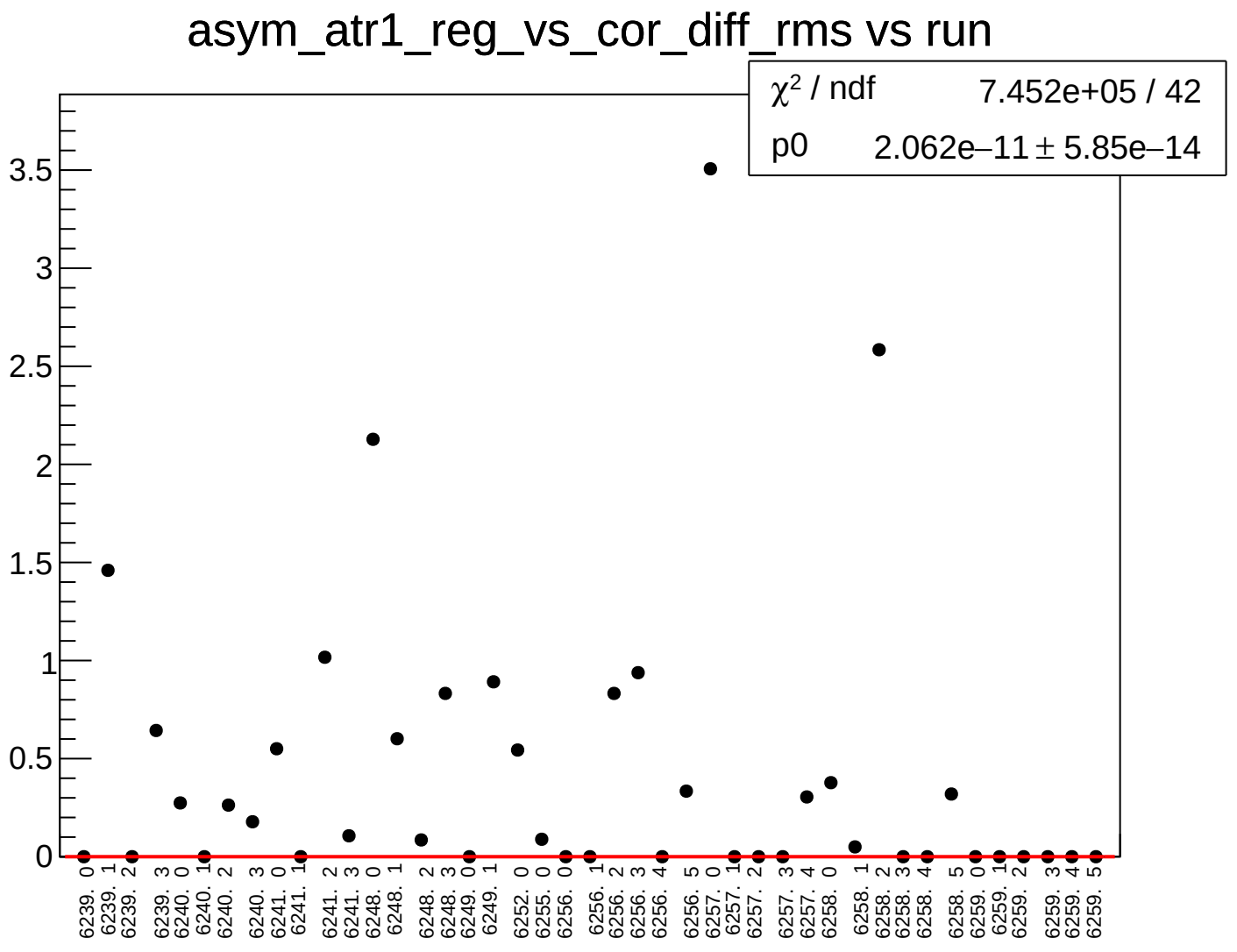

asym_atr1_mean vs run
×10^3
χ² / ndf 55.95 / 42
p0 6677 ± 4259
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

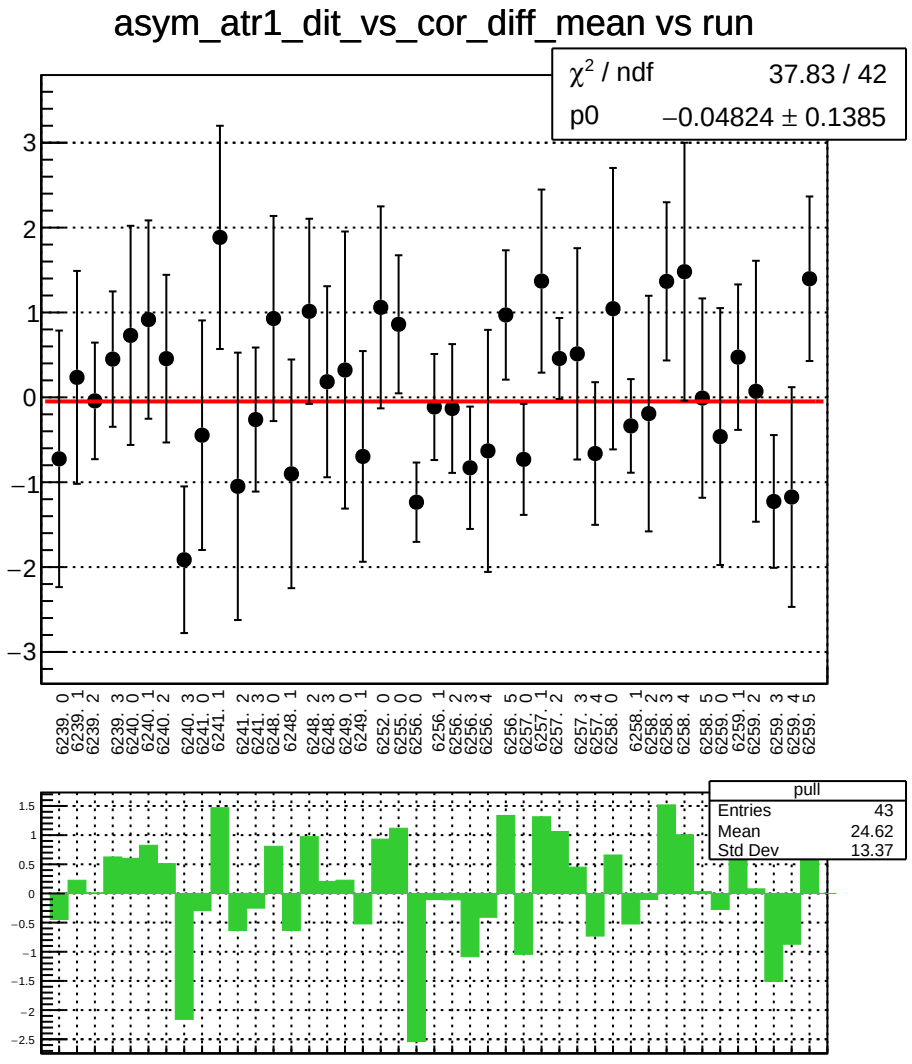

pull1D
Entries 43
Mean 0.01966
Std Dev 1.141
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

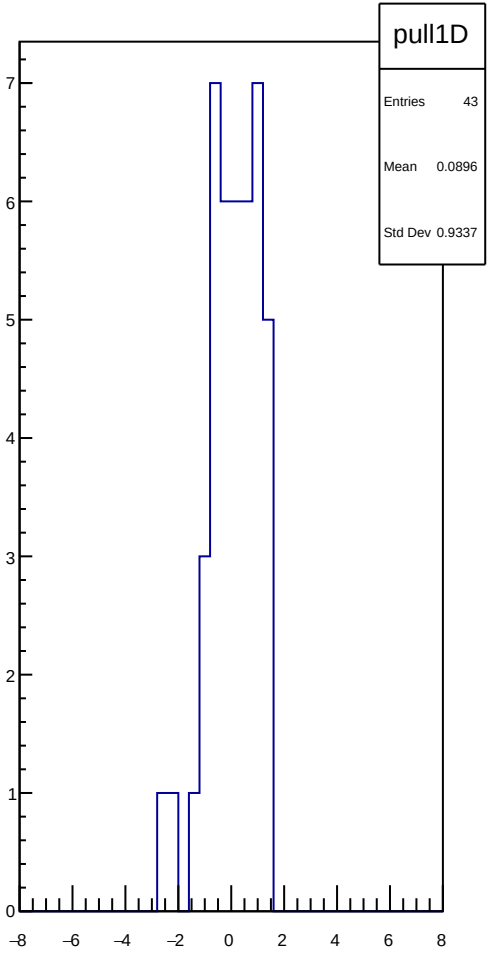

asym_atr1_rms vs run
χ² / ndf 54.23 / 42
p0 2808 ± 3.011
2880
2860
2840
2820
2800
2780
2760
2740
2720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

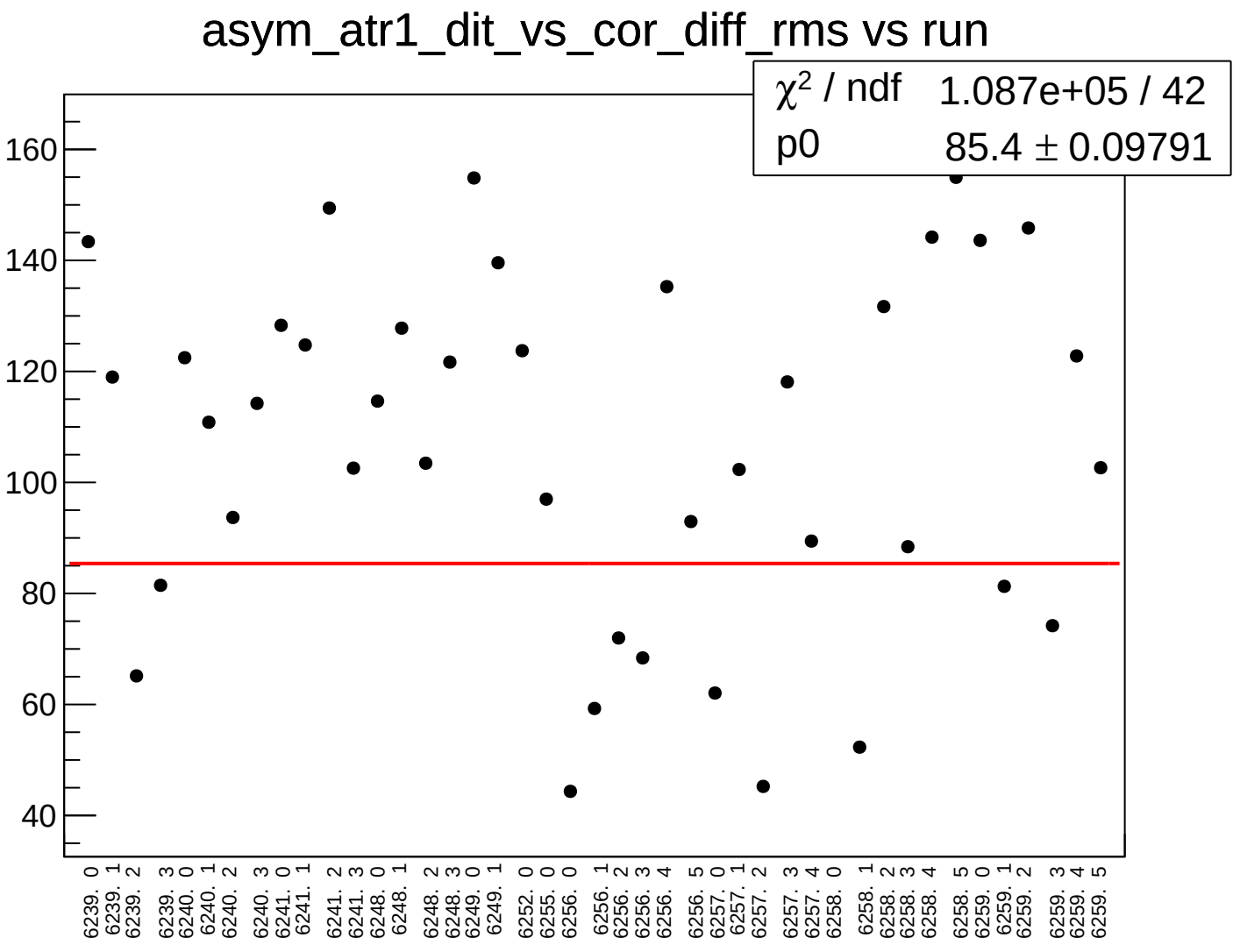

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 36.45 / 42
p0 1.339e−14 ± 8.273e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 137.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.02225
Std Dev 0.9204
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

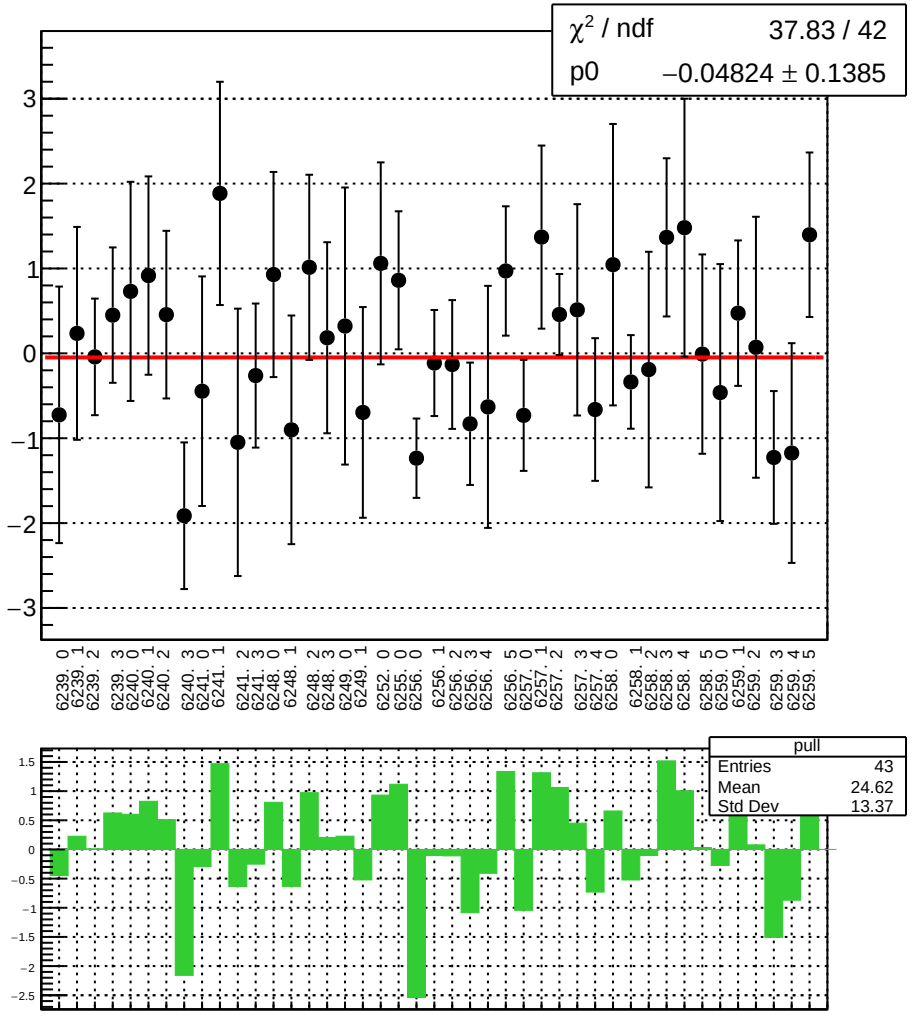

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.452e+05 / 42
p0 2.062e−11 ± 5.85e−14
3.5
3
2.5
2
1.5
1
0.5
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

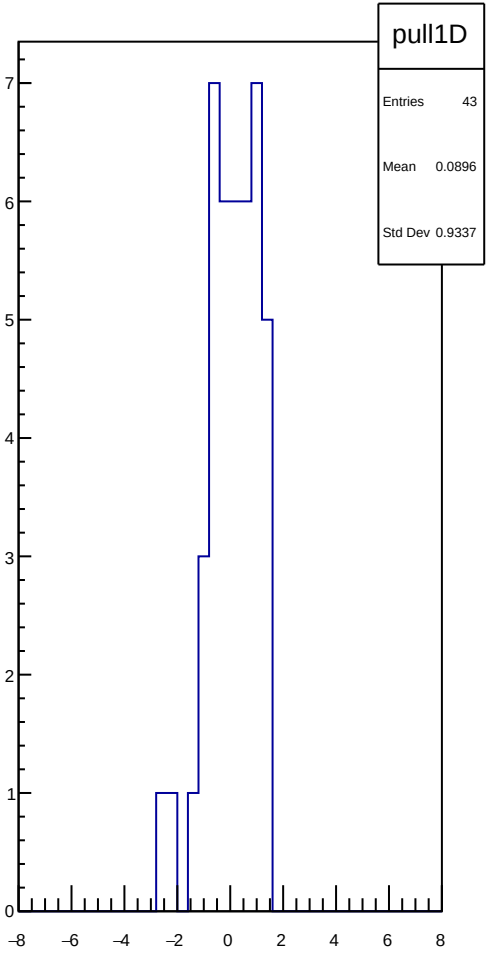

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 37.83 / 42
p0 −0.04824 ± 0.1385
pull
Entries 43
Mean 24.62
Std Dev 13.37

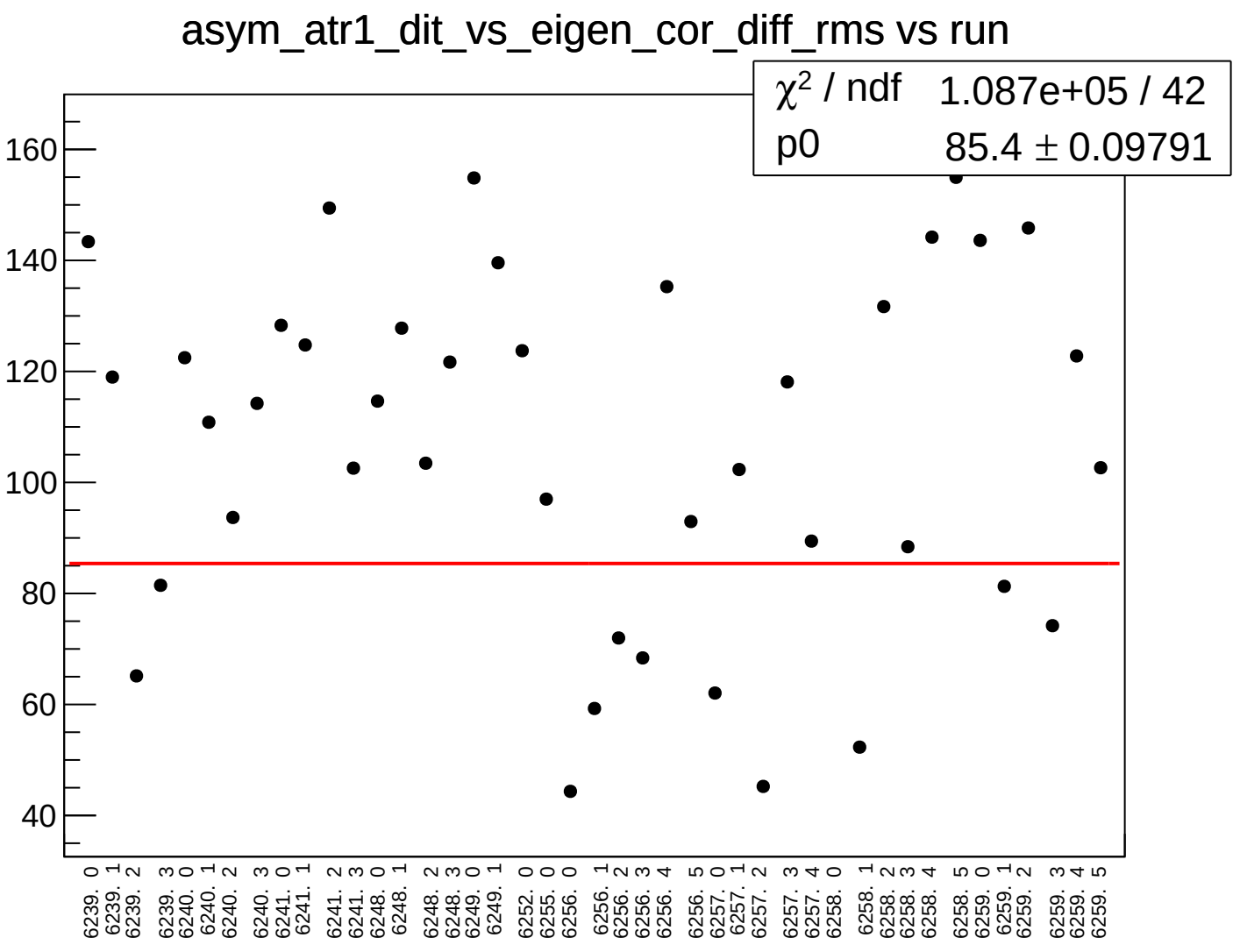

pull1D
Entries 43
Mean 0.0896
Std Dev 0.9337

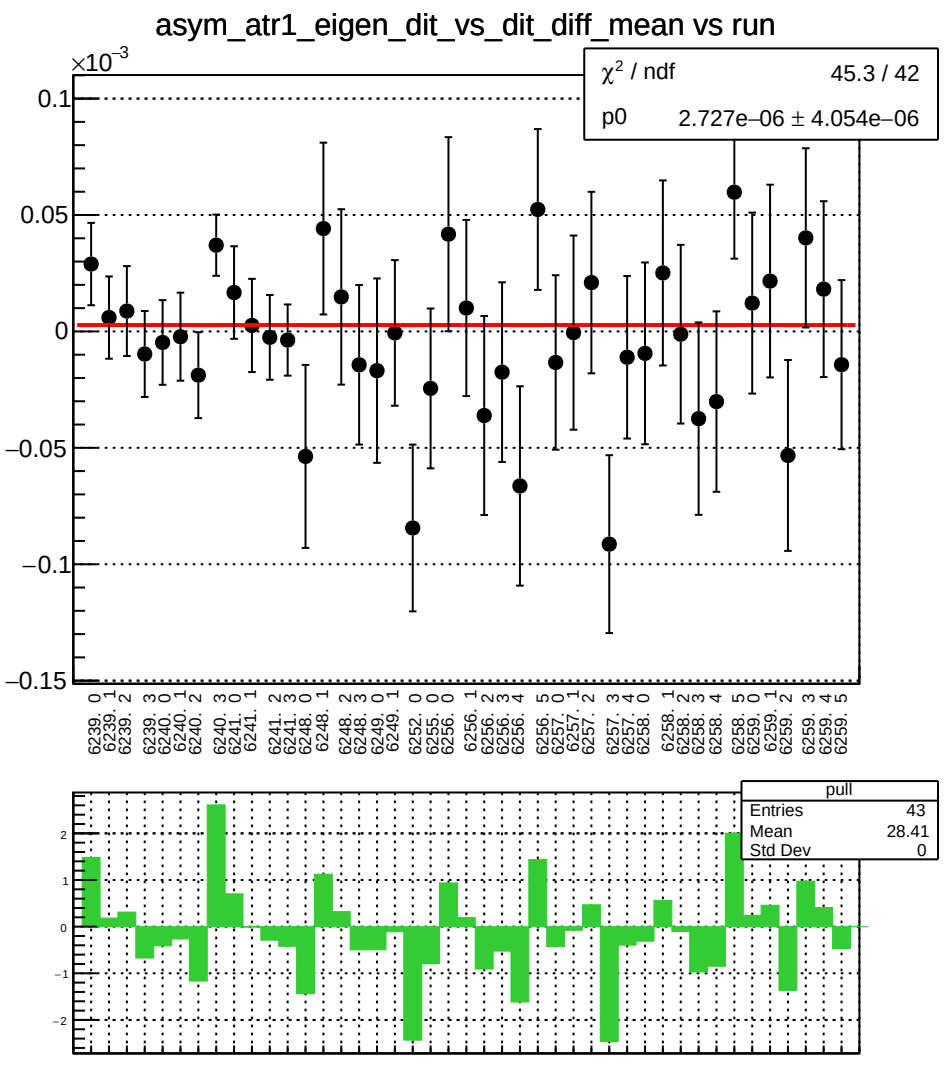

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 42
p0 85.4 ± 0.09791
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

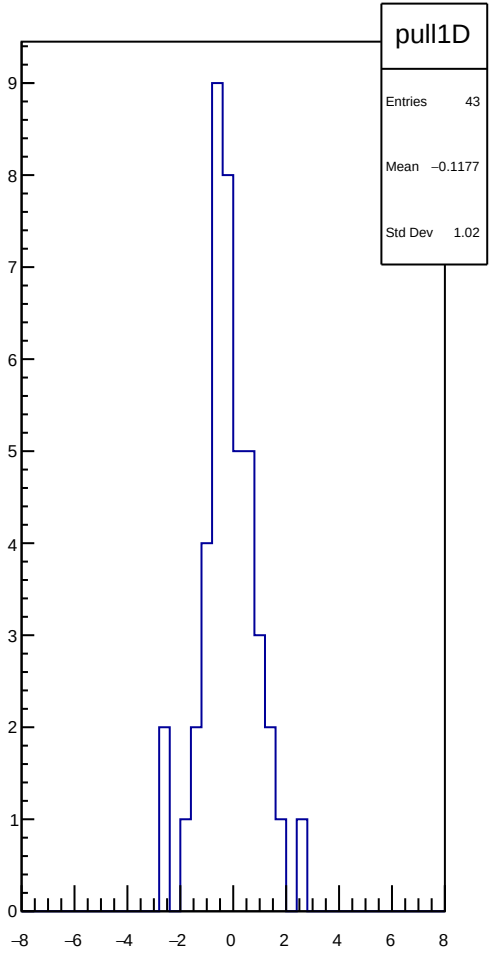
asym_atr1_dit_vs_eigen_cor_diff_mean vs run

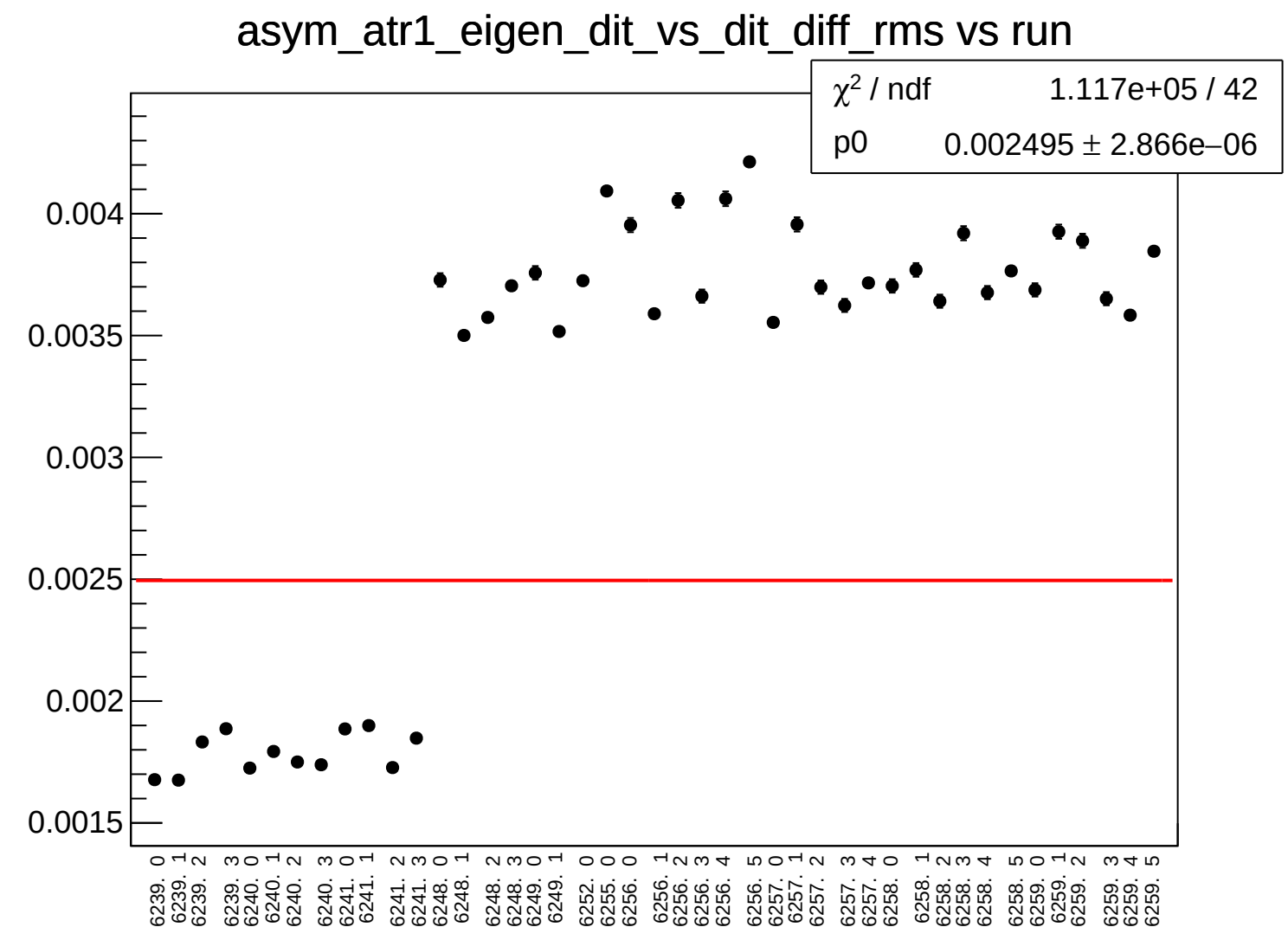


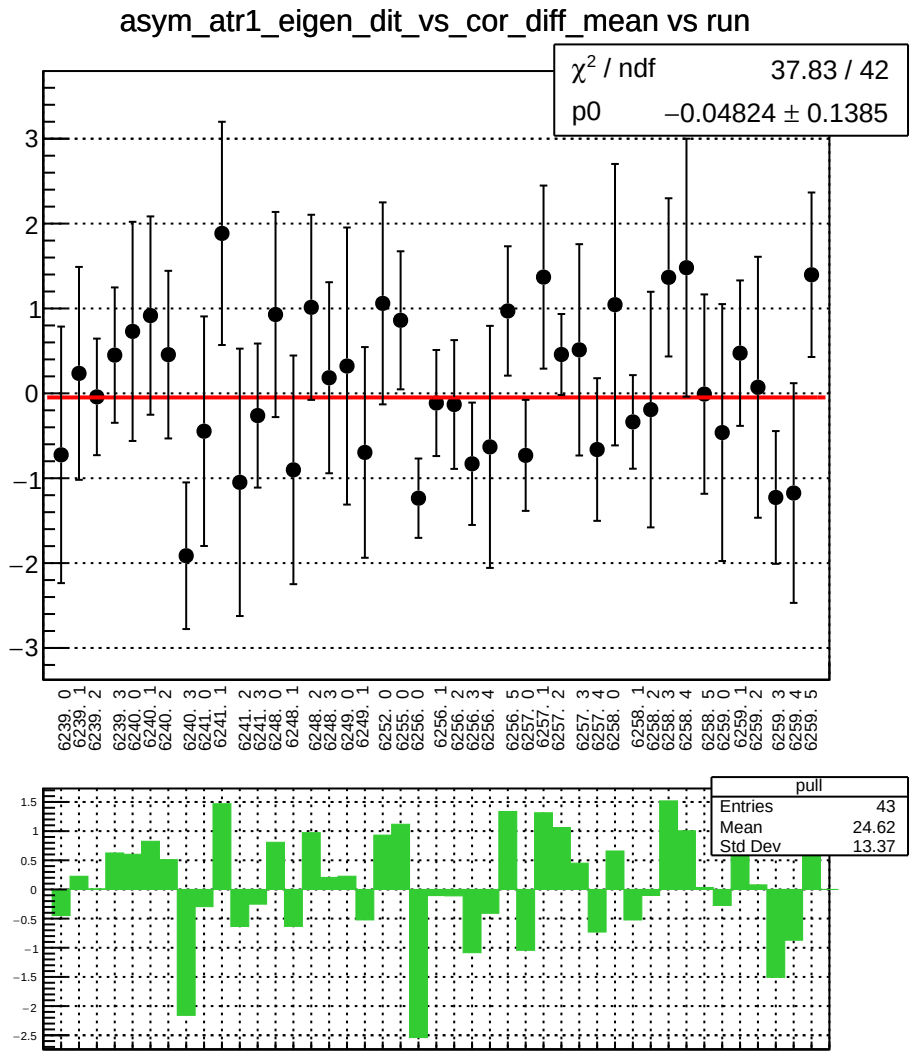



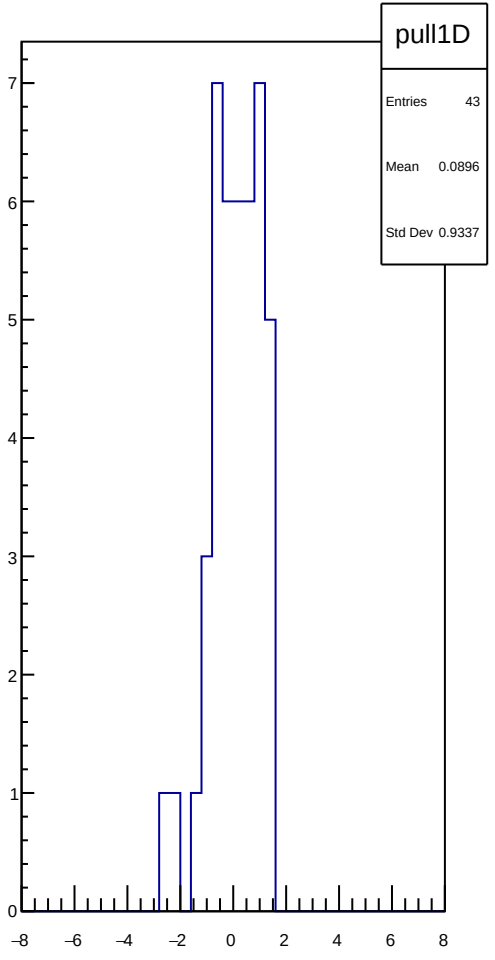

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 42
p0 85.4 ± 0.09791
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

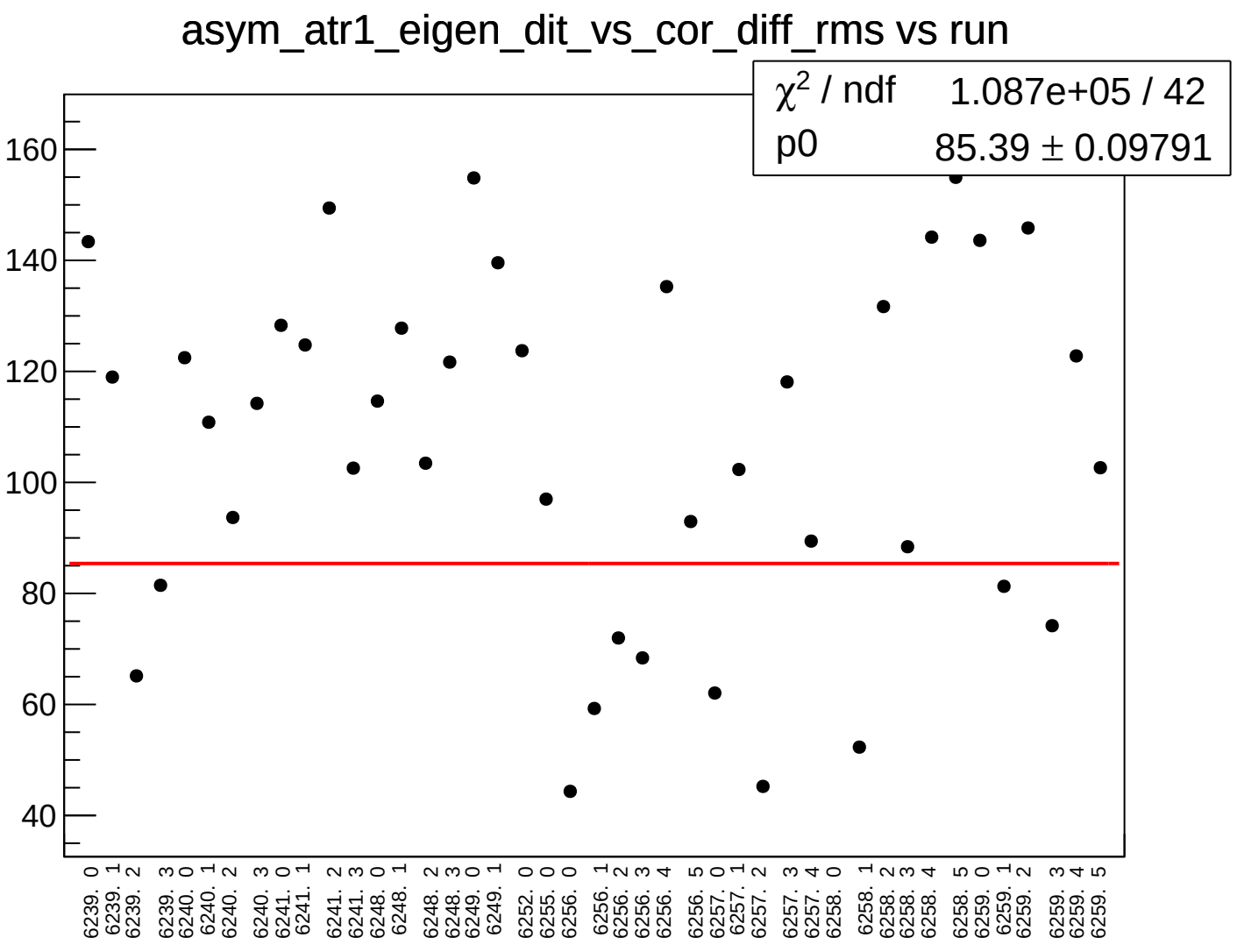

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.3 / 42
p0 2.727e−06 ± 4.054e−06
0.1
0.05
0
−0.05
−0.1
−0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.41
Std Dev 0
2
1
0
−1
−2

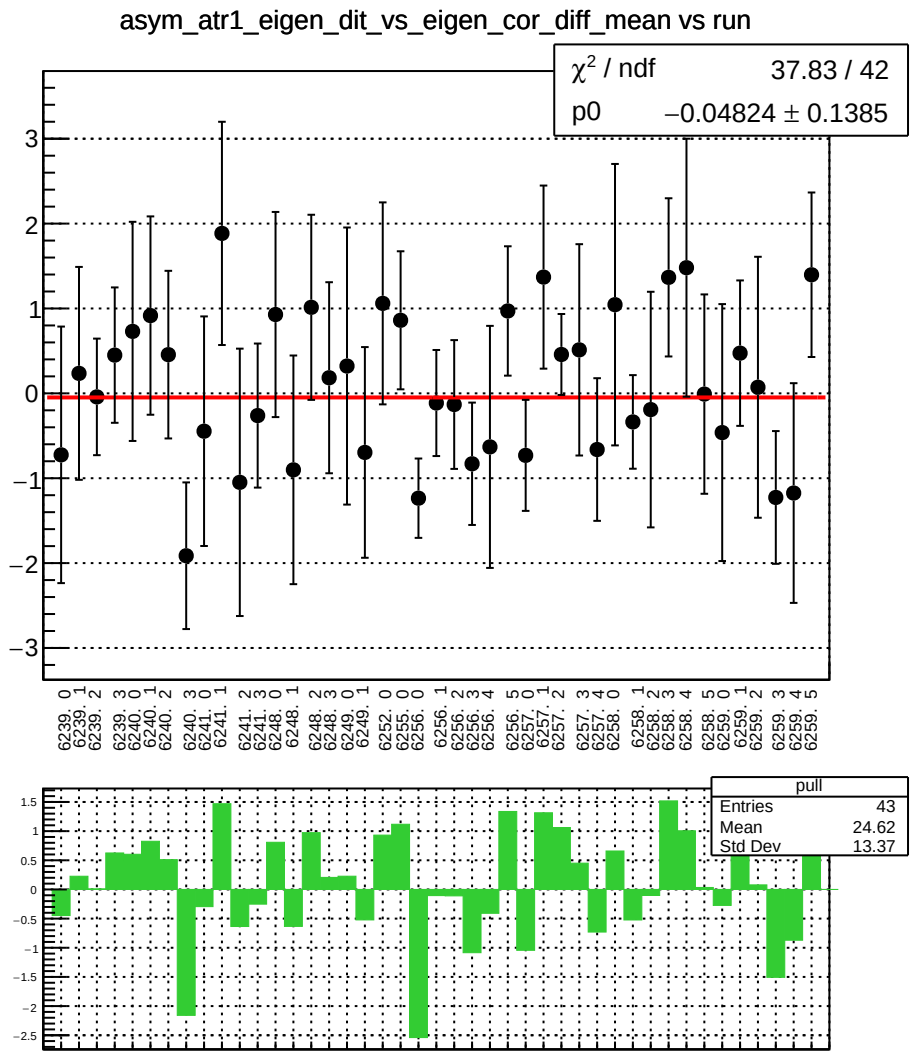

pull1D
Entries 43
Mean −0.1177
Std Dev 1.02
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

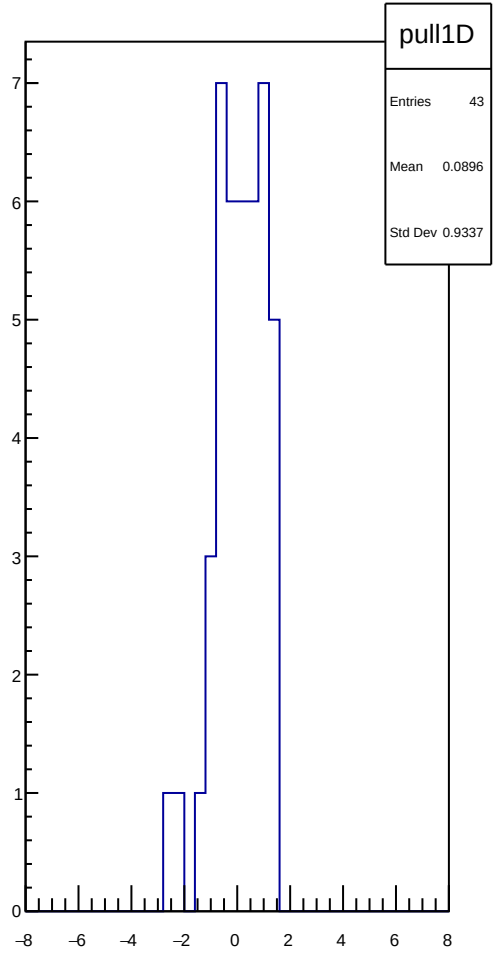

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.117e+05 / 42
p0 0.002495 ± 2.866e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

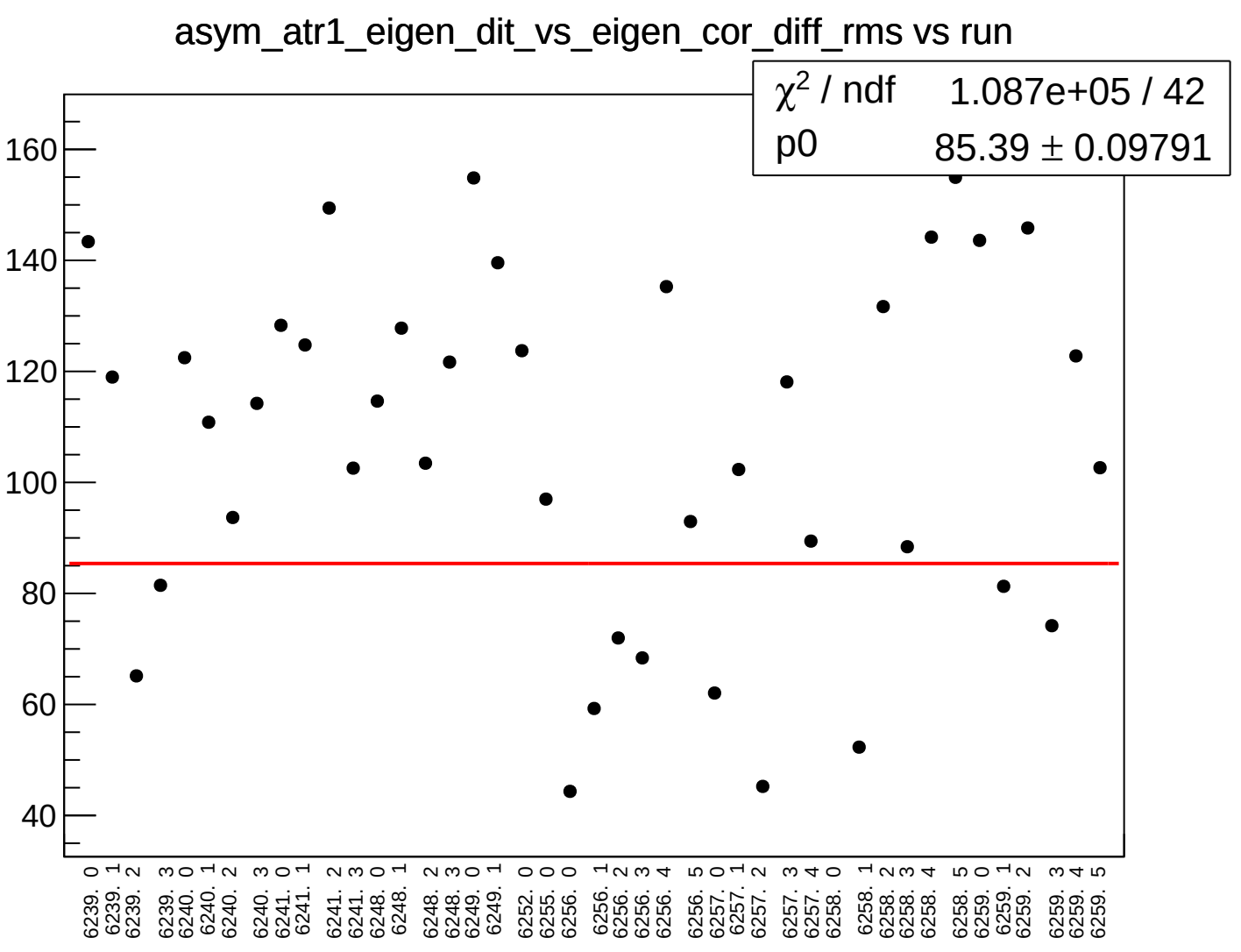

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.83 / 42
p0 −0.04824 ± 0.1385
pull
Entries 43
Mean 24.62
Std Dev 13.37

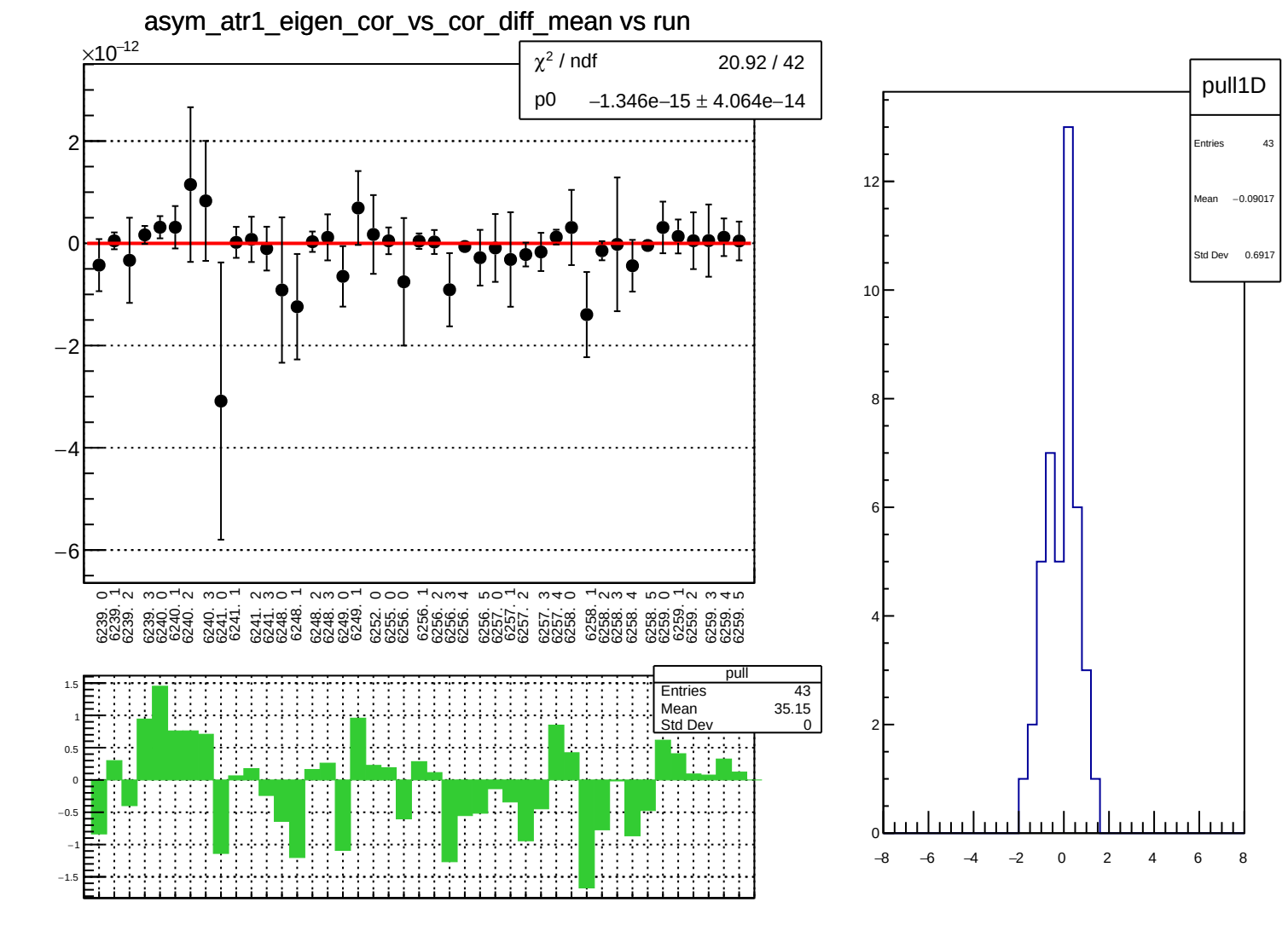

pull1D
Entries 43
Mean 0.0896
Std Dev 0.9337

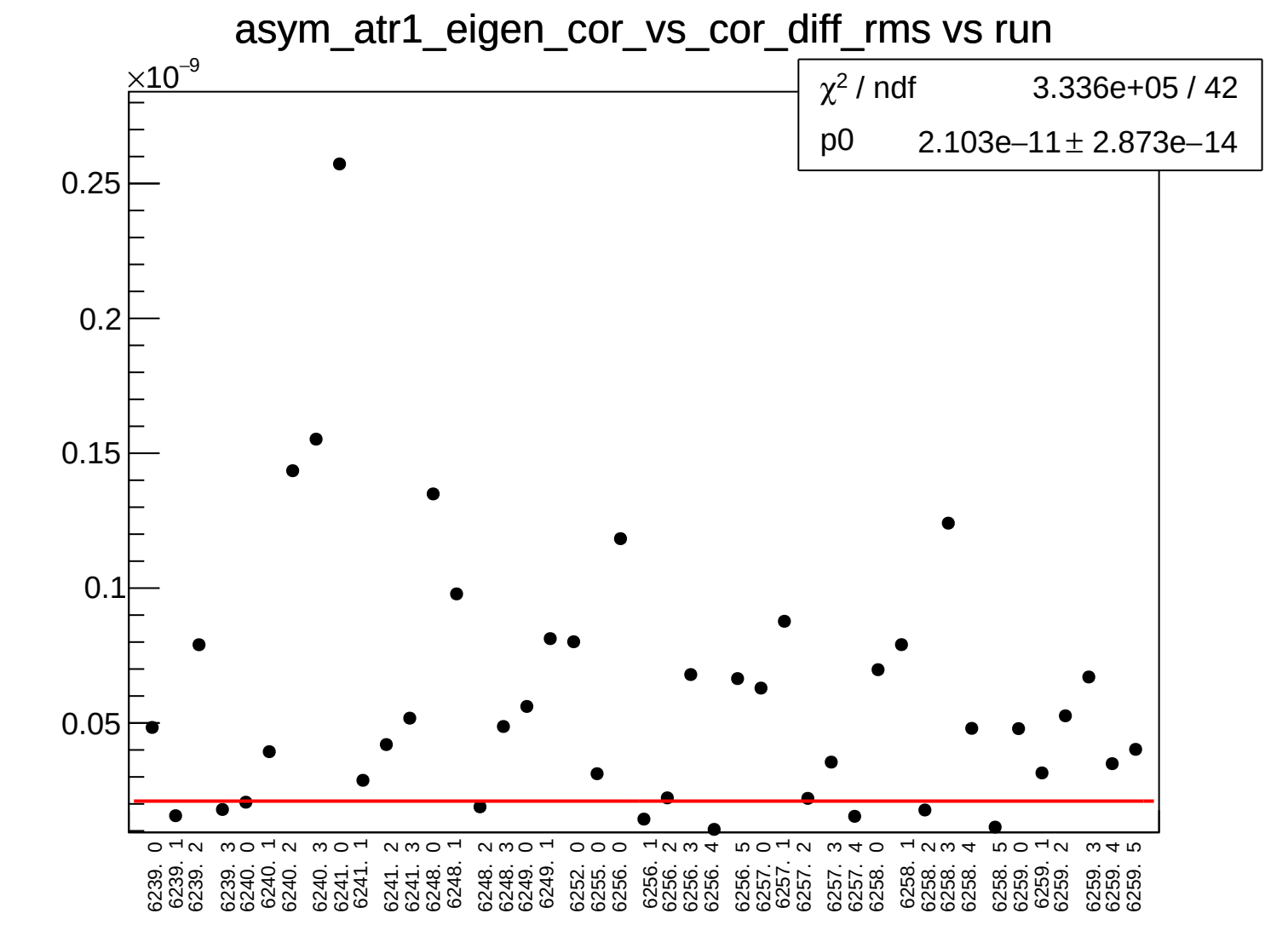

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 42
p0 85.39 ± 0.09791
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

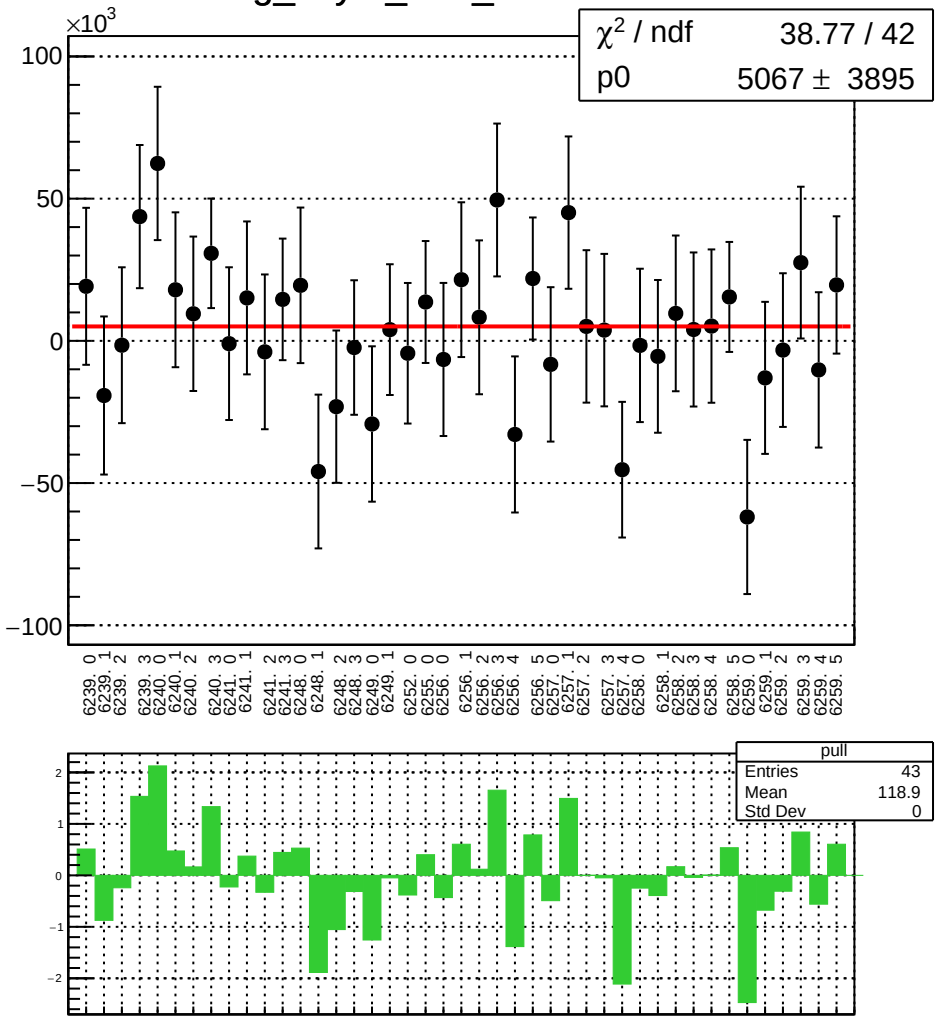

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.83 / 42
p0 −0.04824 ± 0.1385
pull
Entries 43
Mean 24.62
Std Dev 13.37

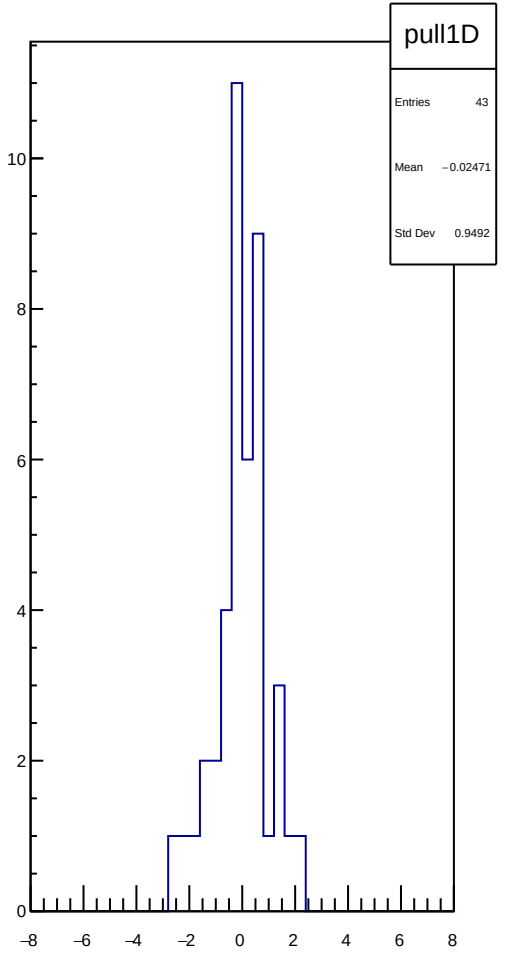

pull1D
Entries 43
Mean 0.0896
Std Dev 0.9337

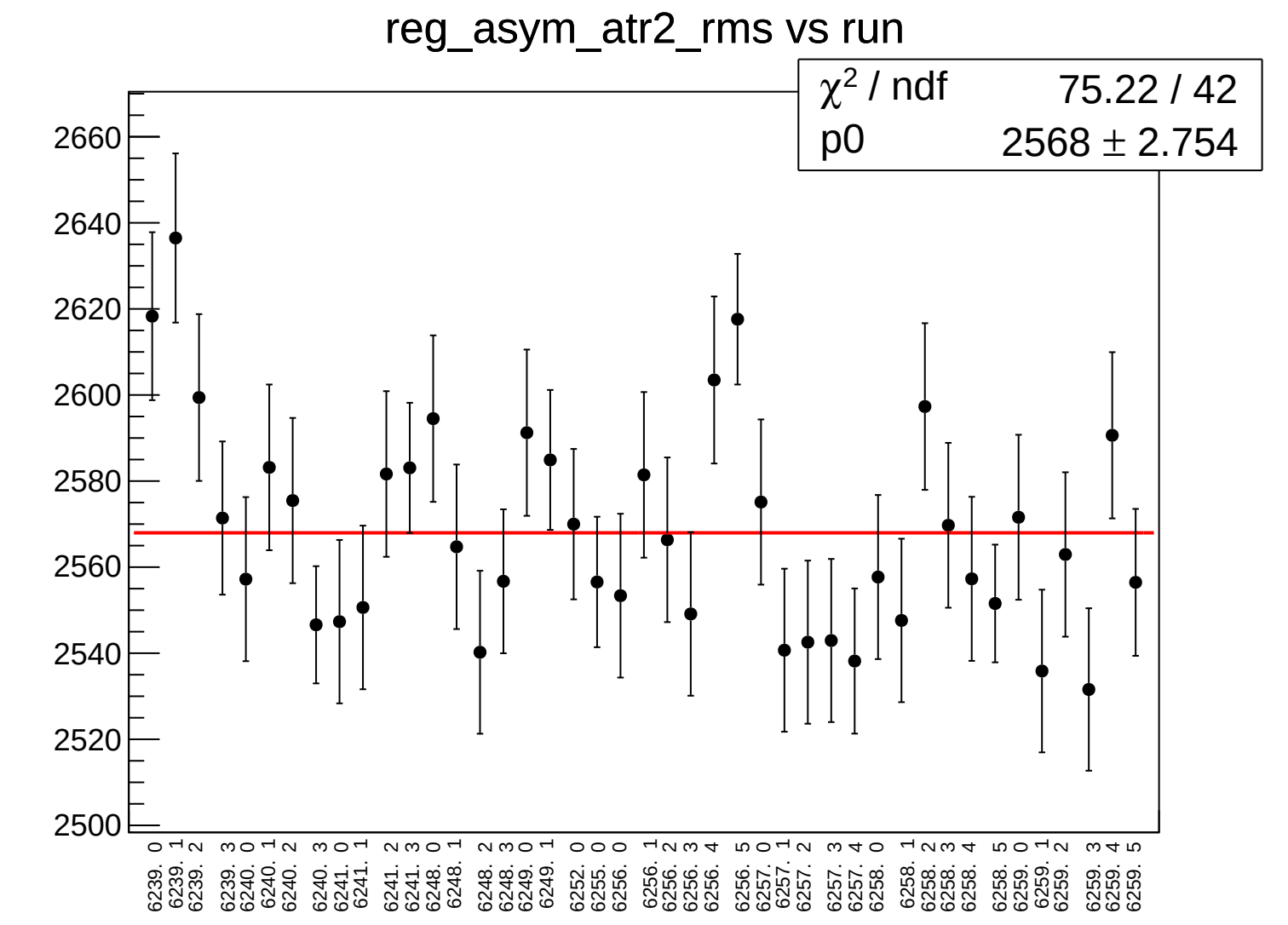

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.087e+05 / 42
p0 85.39 ± 0.09791
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

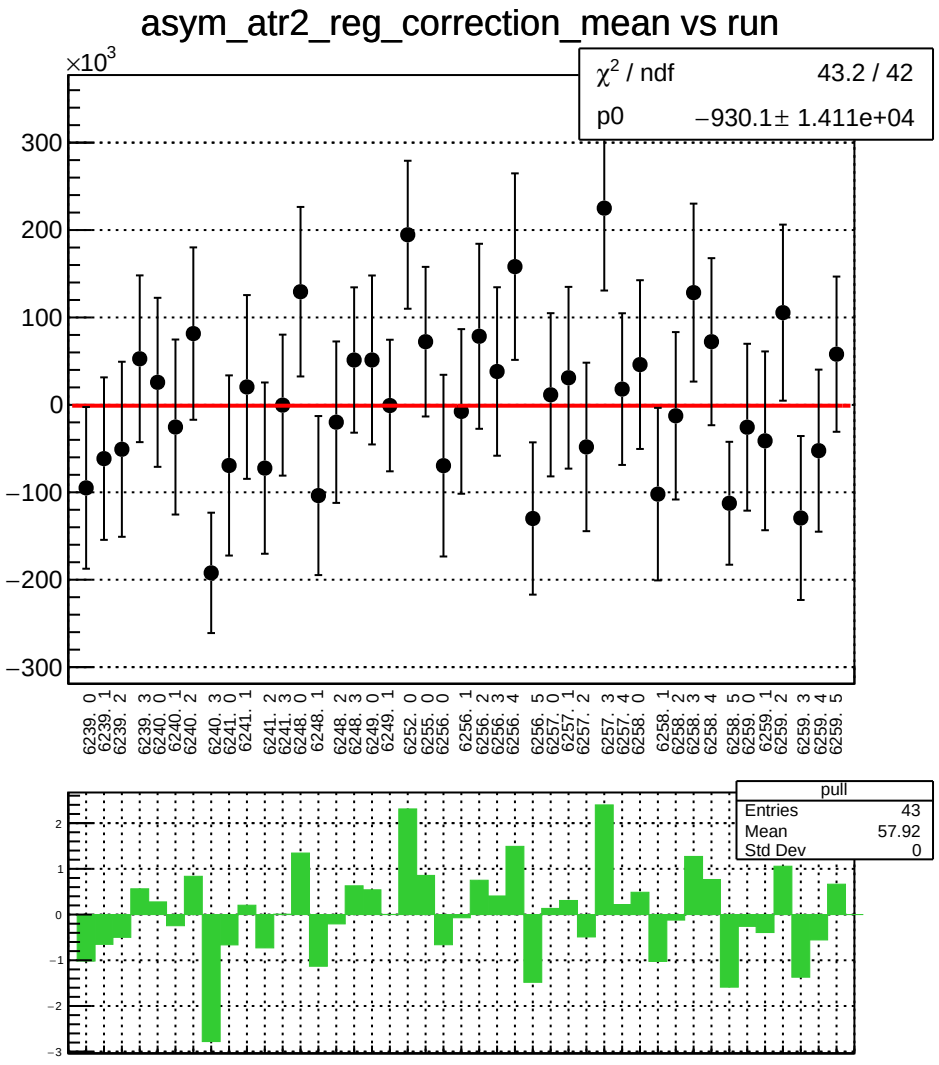

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 20.92 / 42
p0 −1.346e−15 ± 4.064e−14
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.09017
Std Dev 0.6917
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

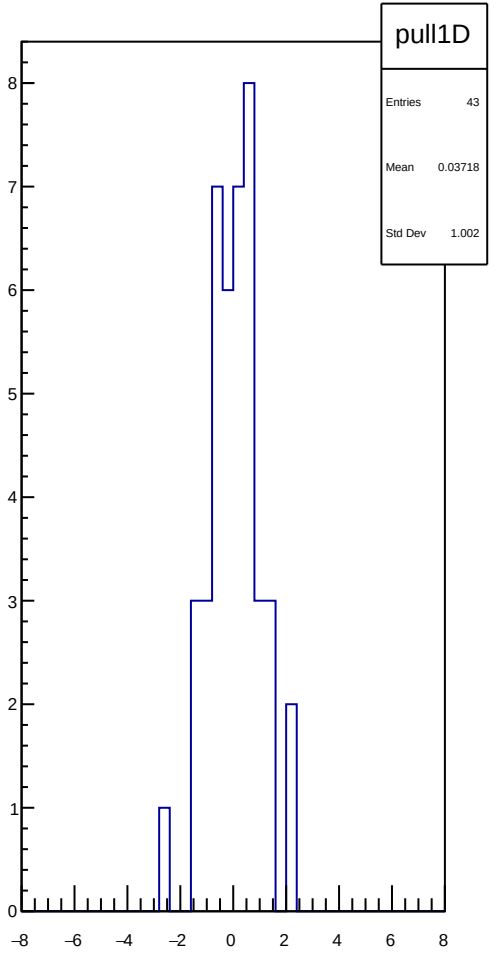

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.336e+05 / 42
p0 2.103e−11 ± 2.873e−14
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

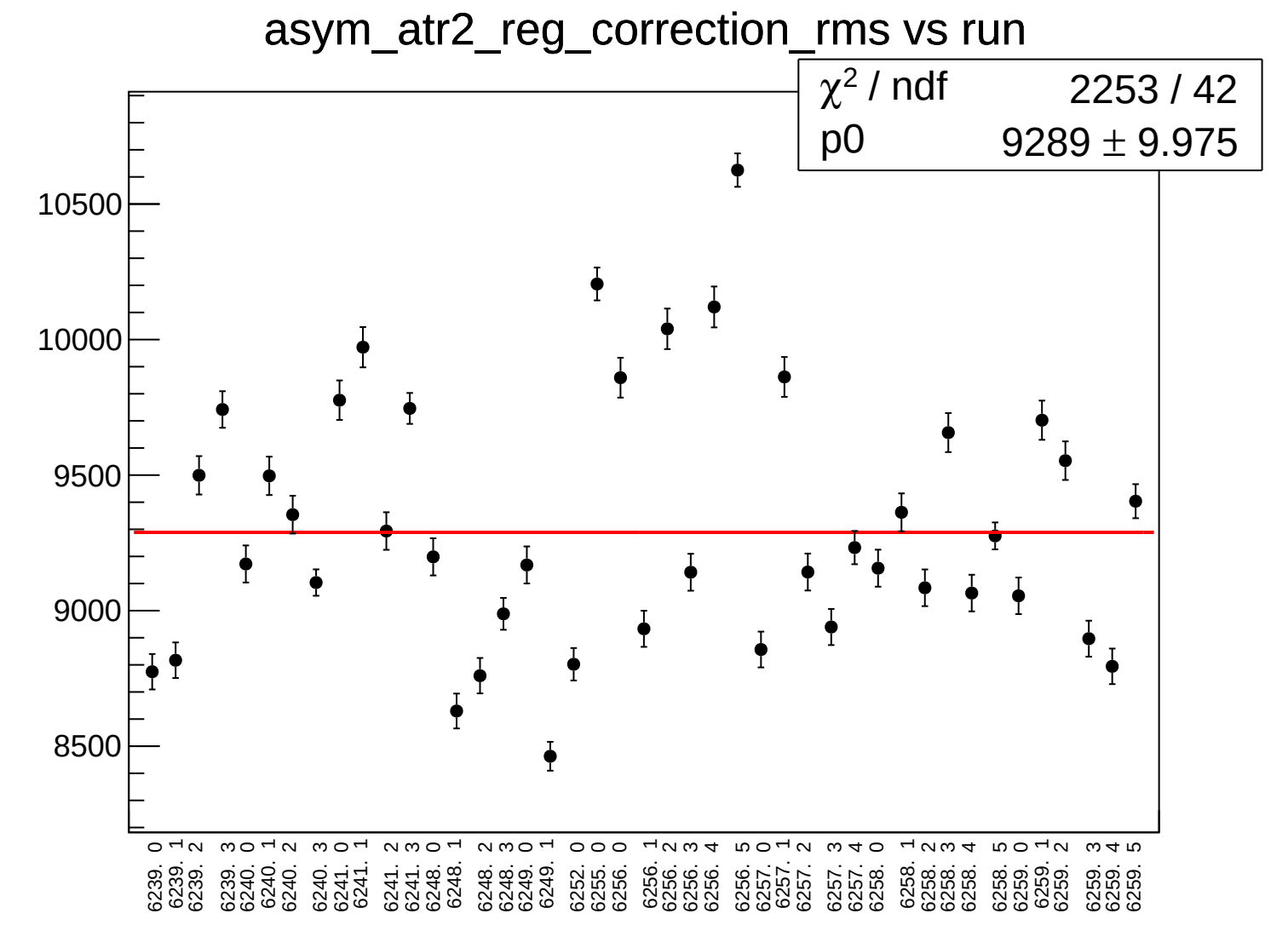

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 38.77 / 42
p0 5067 ± 3895
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 118.9
Std Dev 0
2
1
0
−1
−2

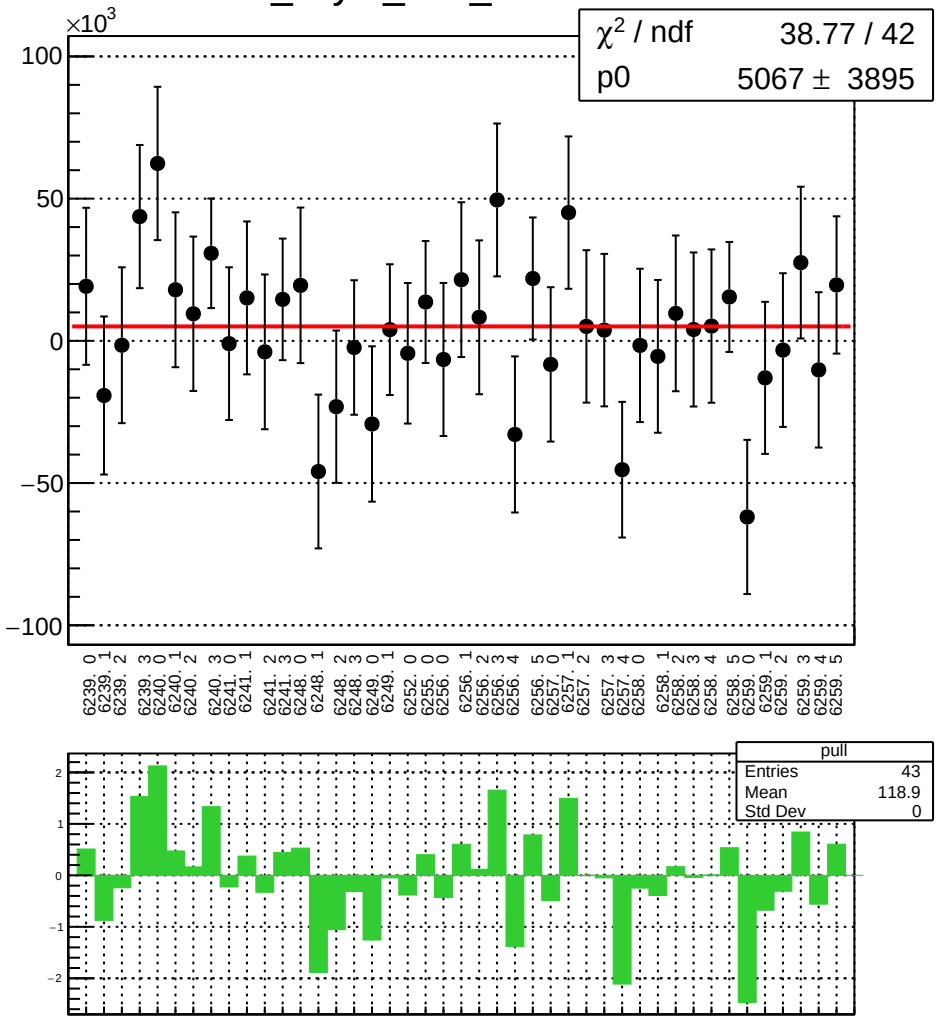

pull1D
Entries 43
Mean −0.02471
Std Dev 0.9492
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

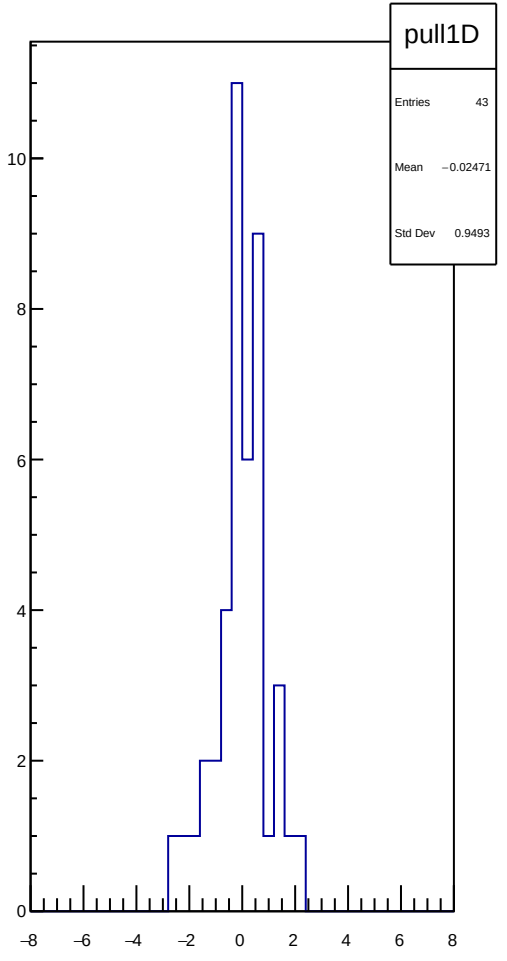

reg_asym_atr2_rms vs run
χ² / ndf 75.22 / 42
p0 2568 ± 2.754
2660
2640
2620
2600
2580
2560
2540
2520
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

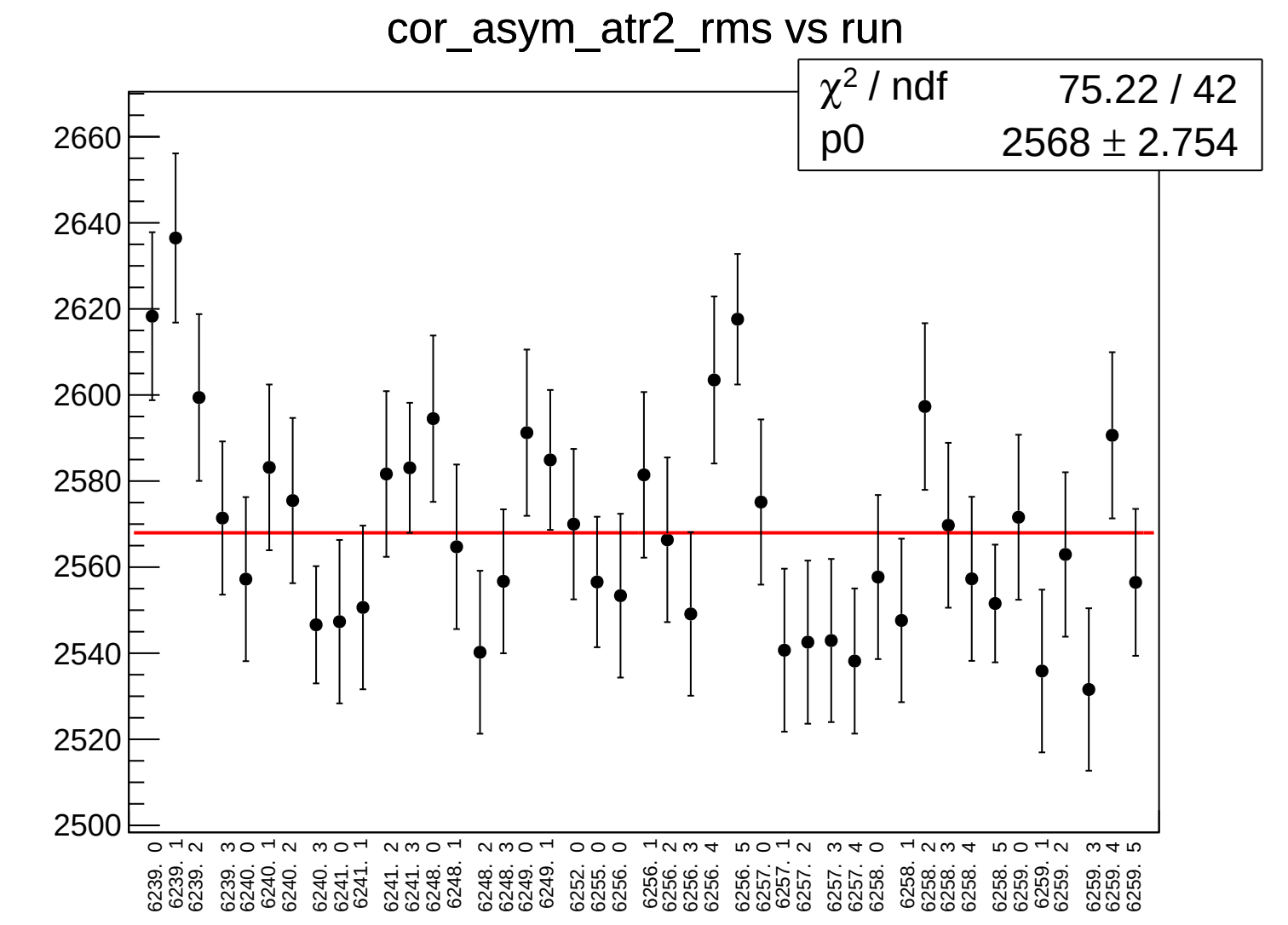

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 43.2 / 42
p0 −930.1± 1.411e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.92
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03718
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_reg_correction_rms vs run
χ² / ndf 2253 / 42
p0 9289 ± 9.975
10500
10000
9500
9000
8500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_atr2_mean vs run
×10^3
χ² / ndf 38.77 / 42
p0 5067 ± 3895
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 118.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.02471
Std Dev 0.9493
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr2_rms vs run
χ² / ndf 75.22 / 42
p0 2568 ± 2.754
2660
2640
2620
2600
2580
2560
2540
2520
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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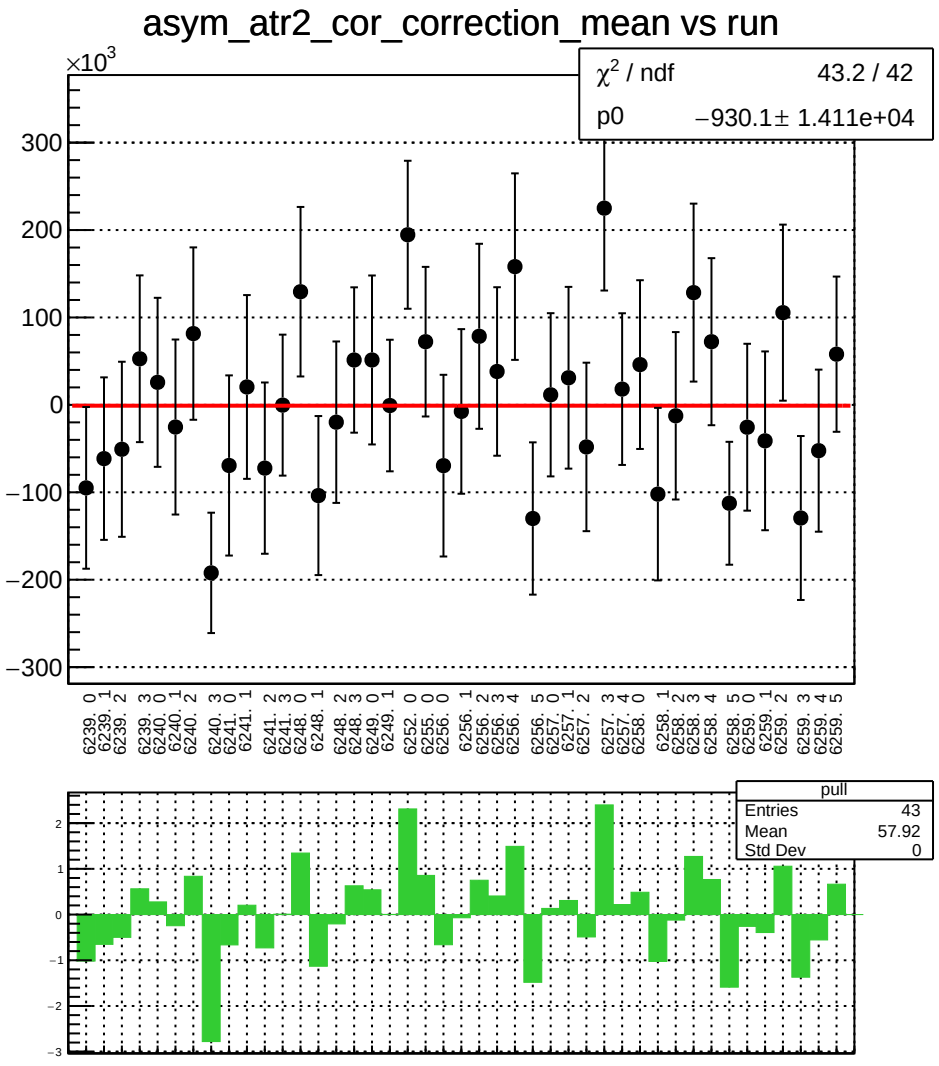
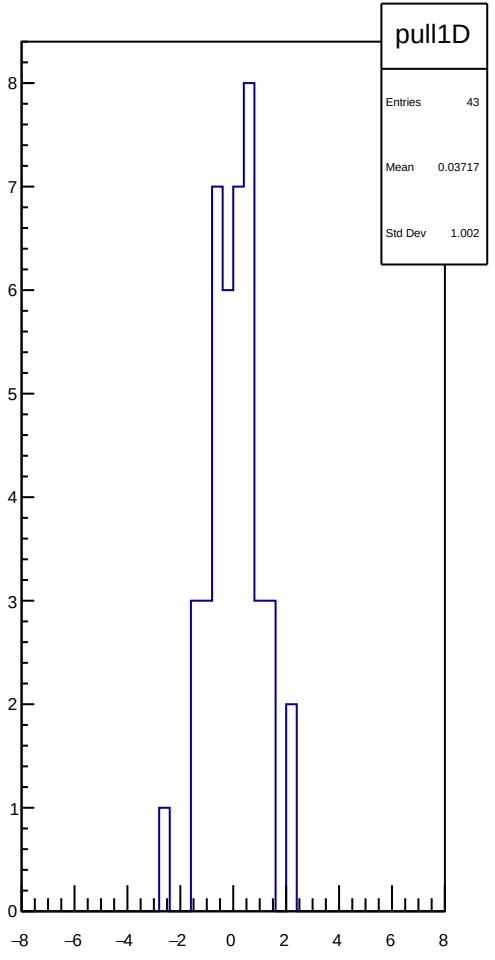
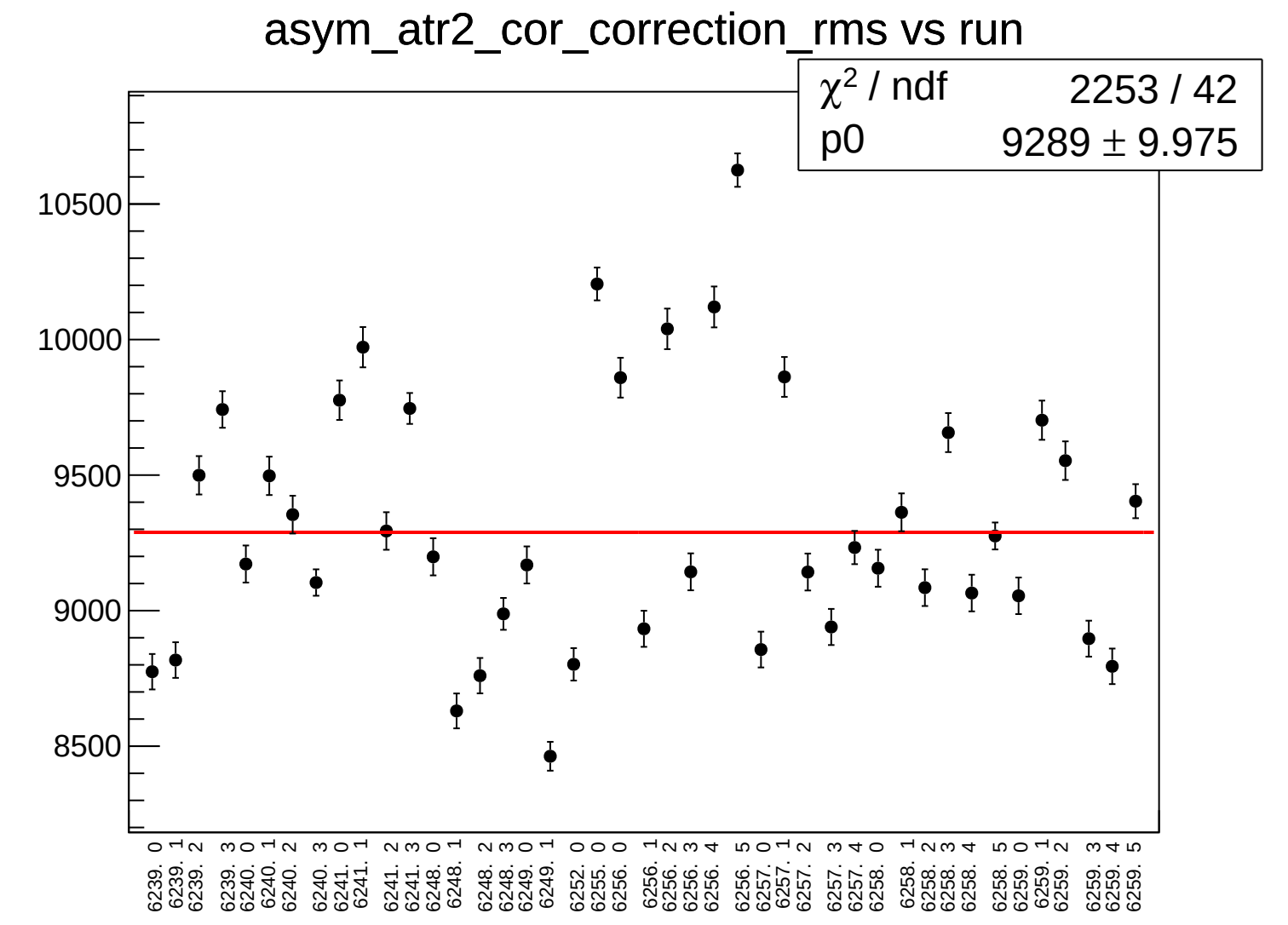
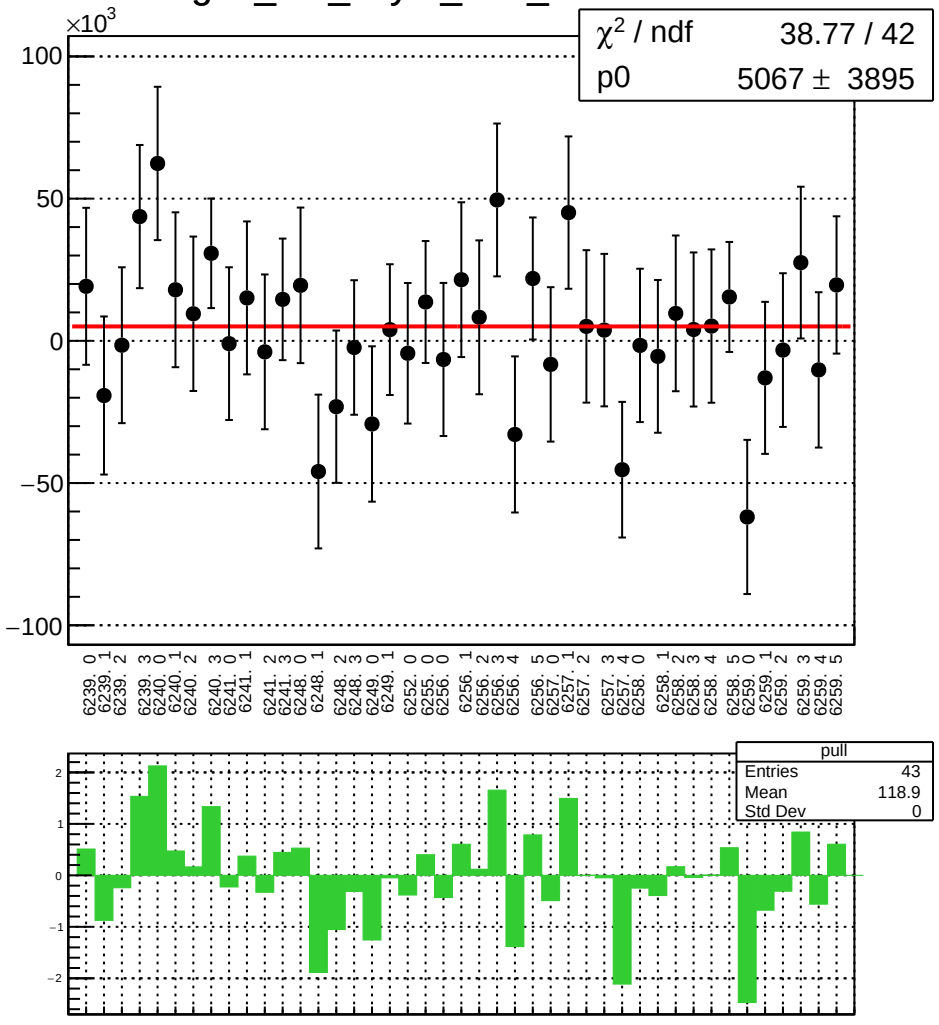
6259. 4
6259. 5


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 43.2 / 42
p0 −930.1± 1.411e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.92
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03717
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_cor_correction_rms vs run
χ² / ndf 2253 / 42
p0 9289 ± 9.975
10500
10000
9500
9000
8500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 38.77 / 42
p0 5067 ± 3895
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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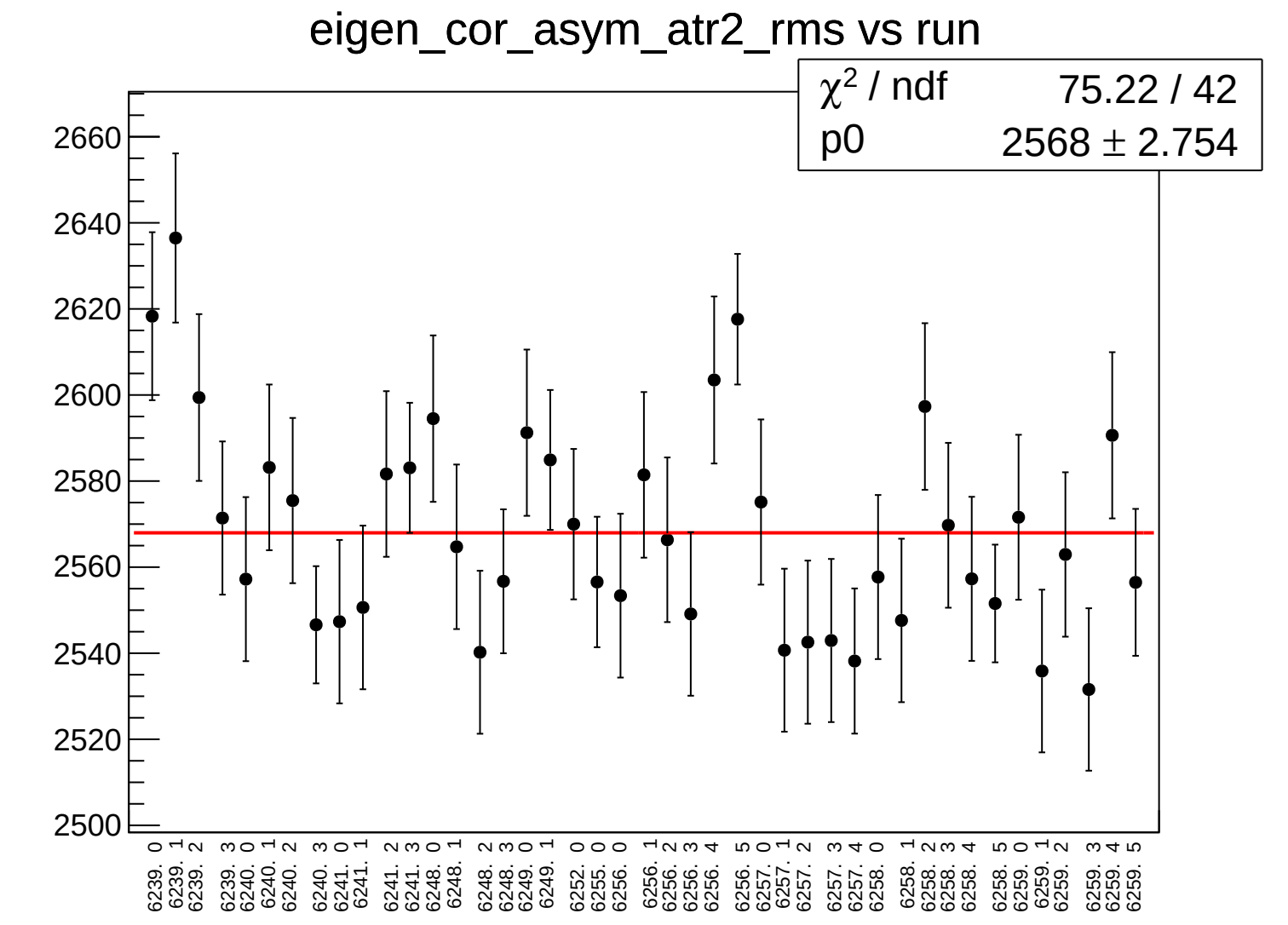
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 118.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02471
Std Dev 0.9493
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr2_rms vs run
χ² / ndf 75.22 / 42
p0 2568 ± 2.754
2660
2640
2620
2600
2580
2560
2540
2520
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
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6241. 0
6241. 1
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
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6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
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6259. 0
6259. 1
6259. 2
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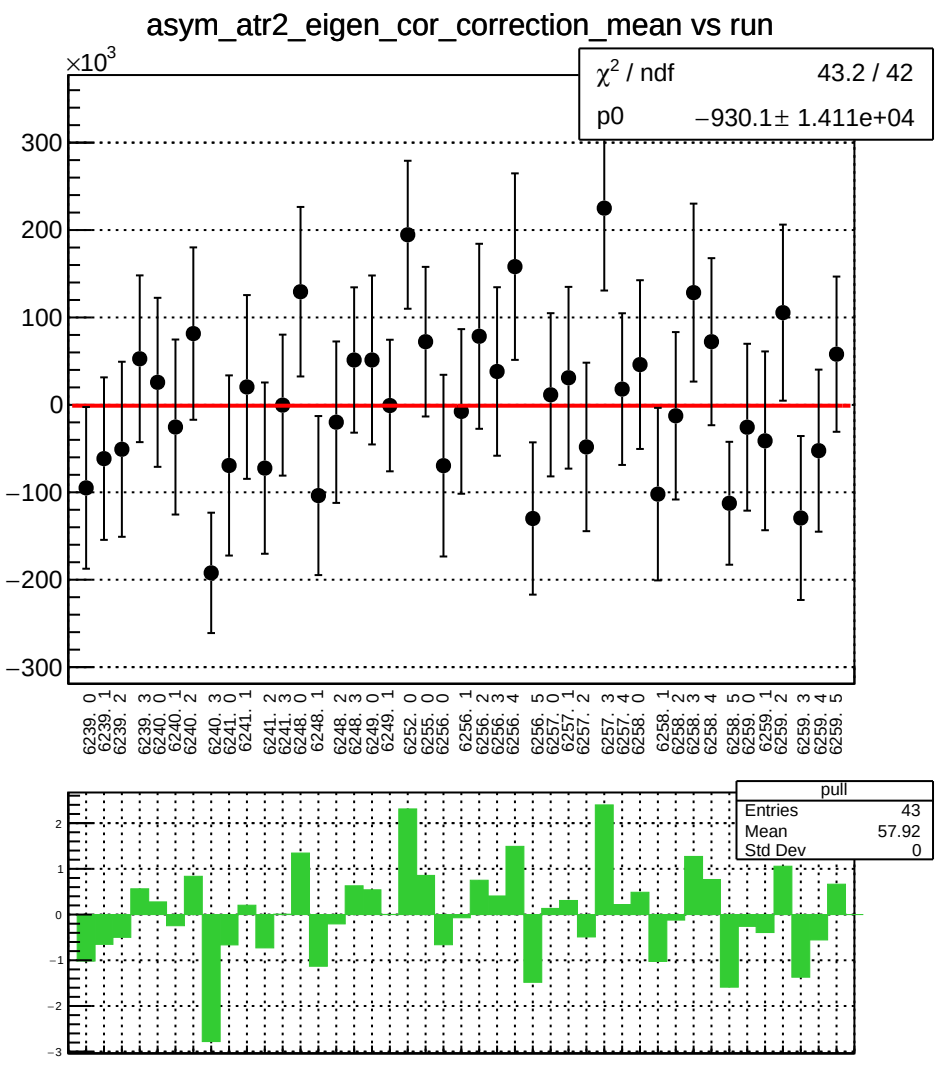
6259. 5


asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 43.2 / 42
p0 −930.1± 1.411e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
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6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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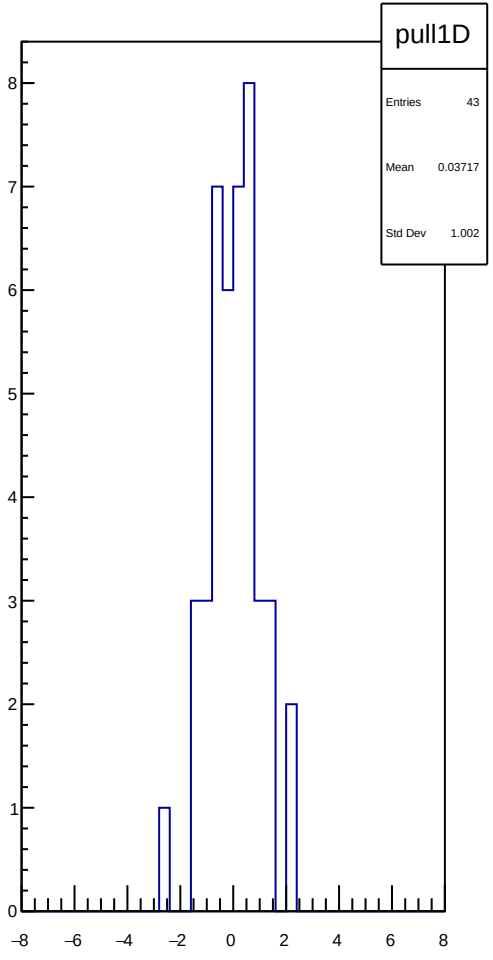
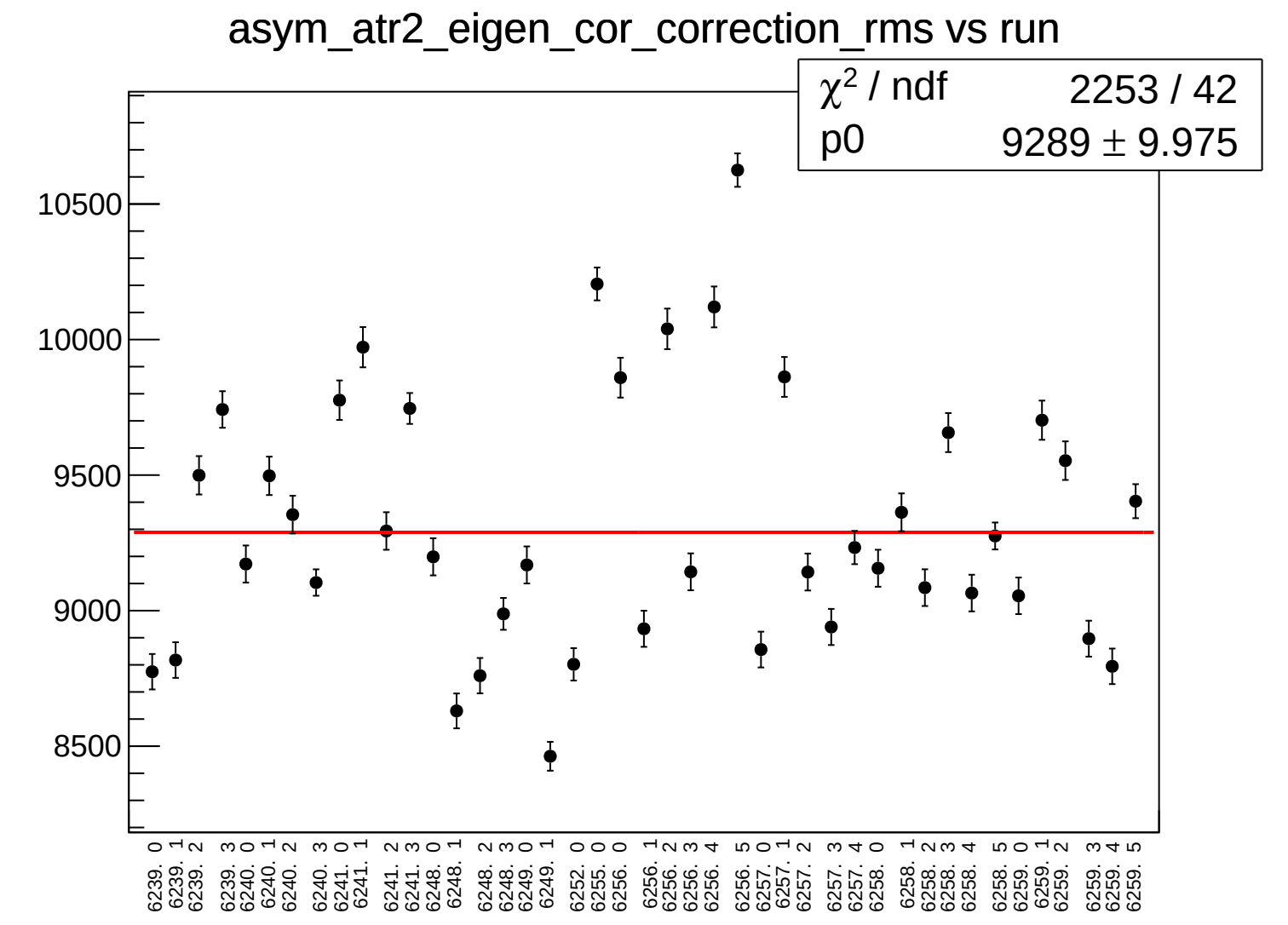
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.92
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03717
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2253 / 42
p0 9289 ± 9.975
10500
10000
9500
9000
8500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
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6249. 1
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6255. 0
6256. 0
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6256. 4
6256. 5
6257. 0
6257. 1
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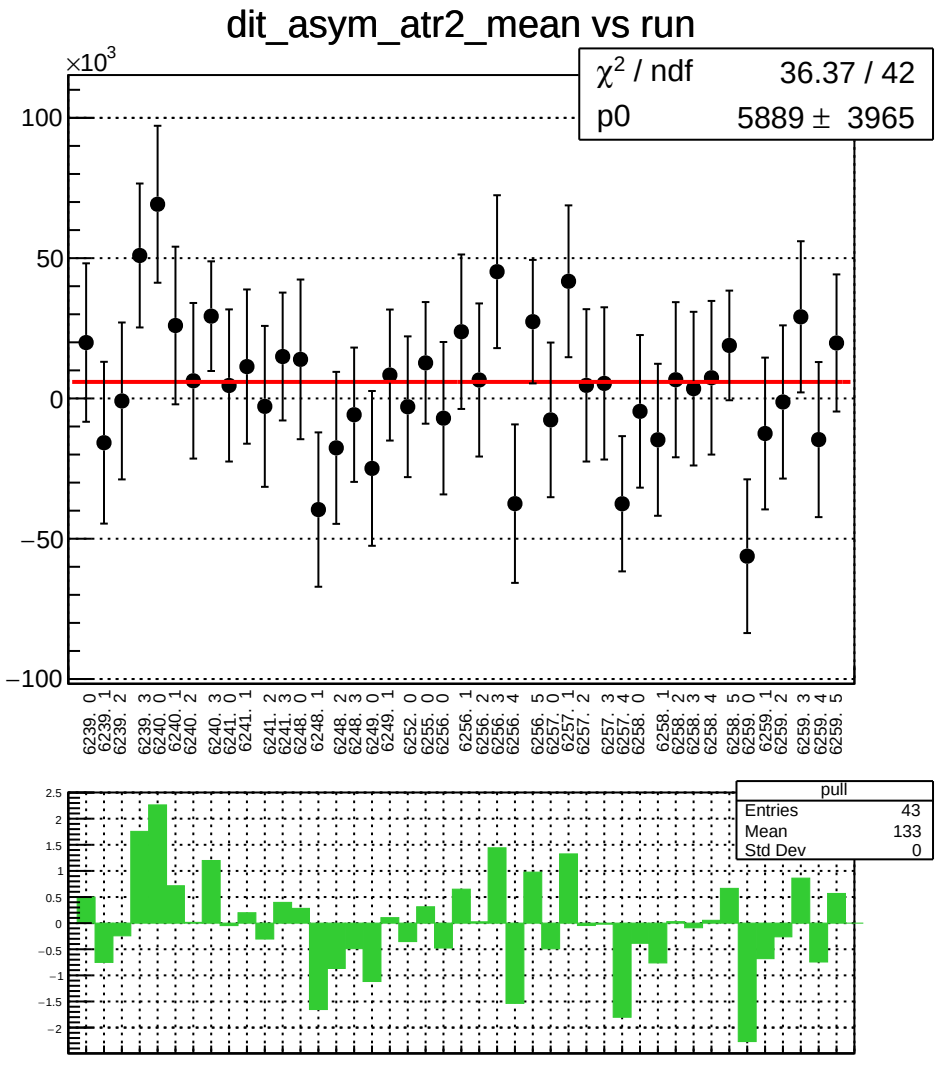
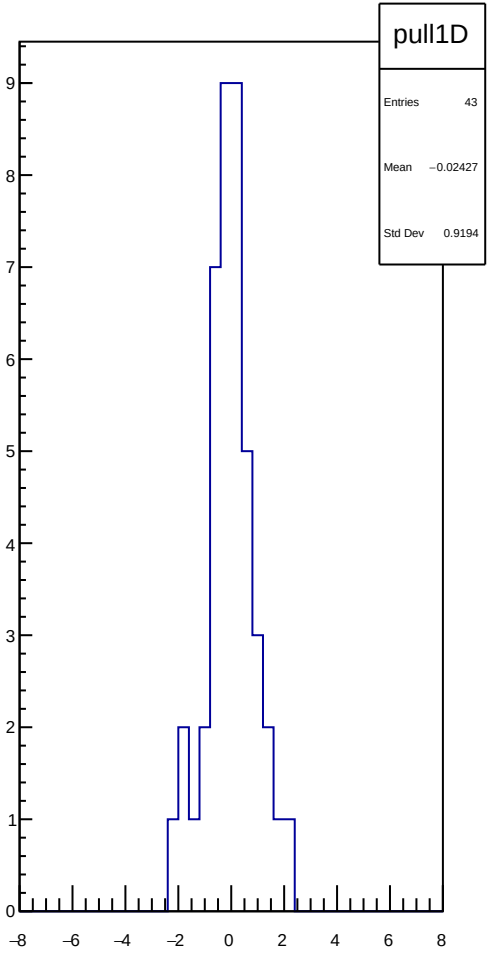
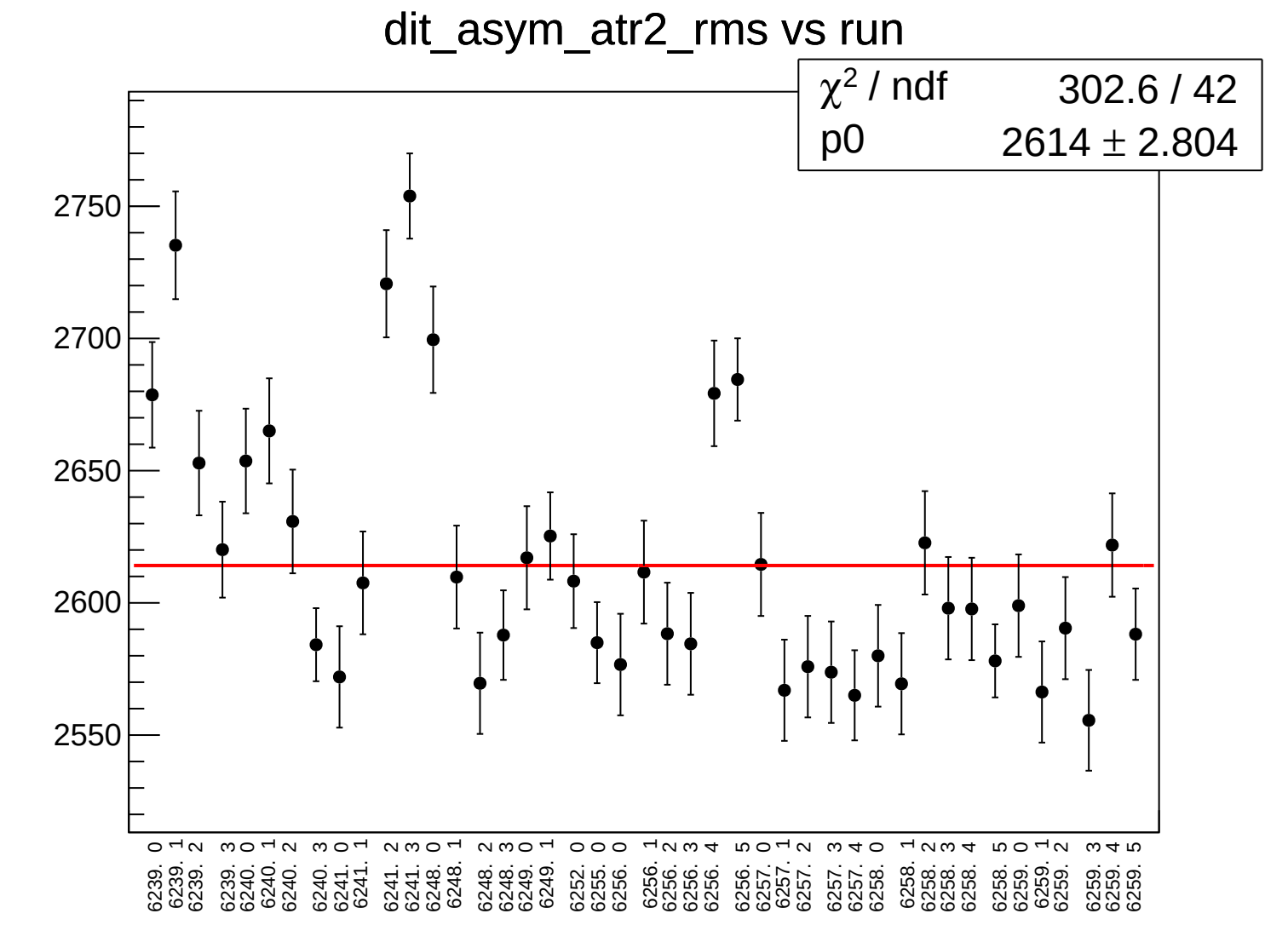
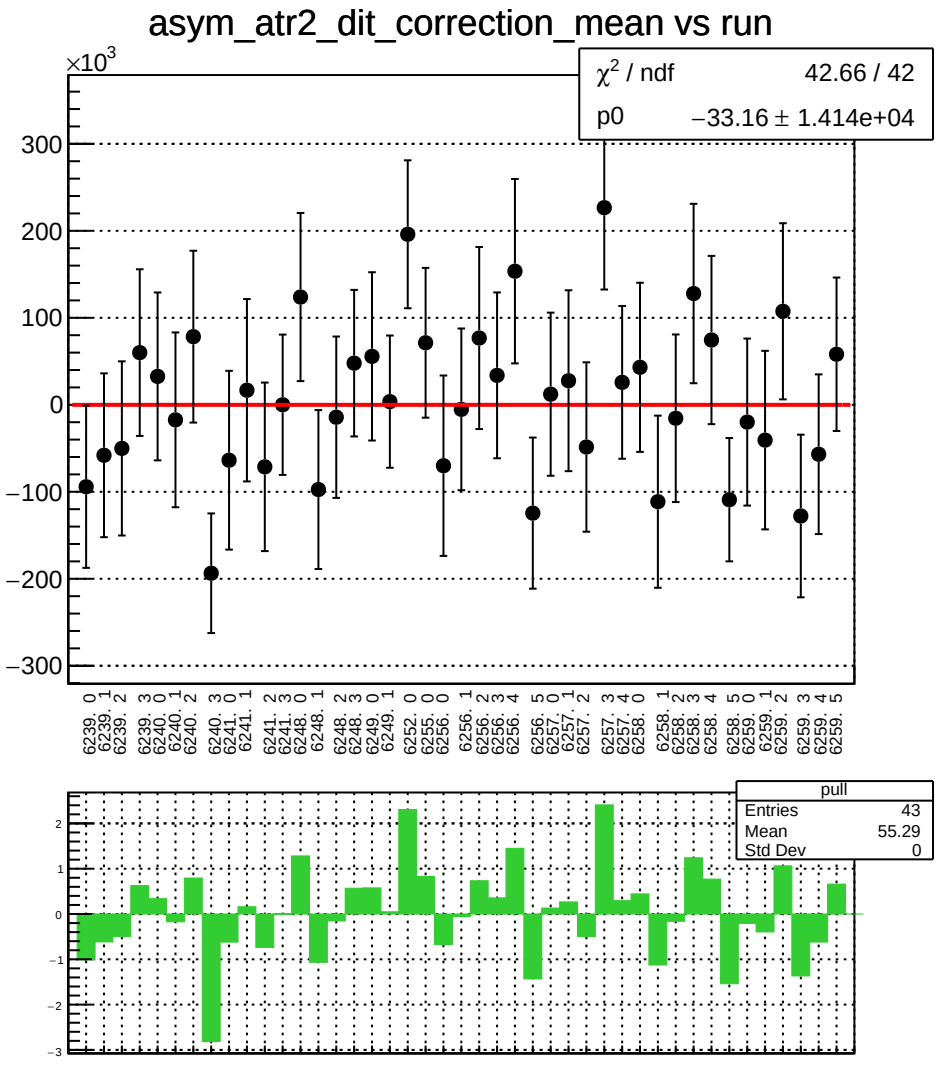
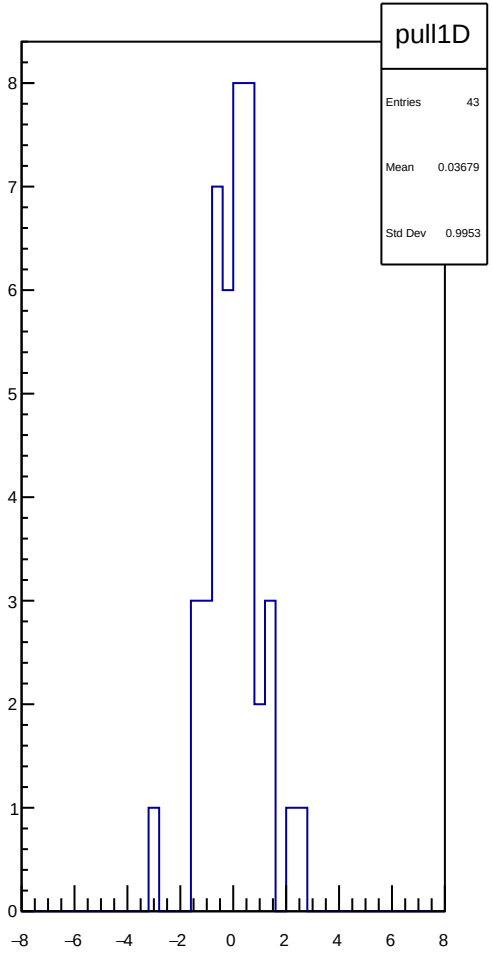
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

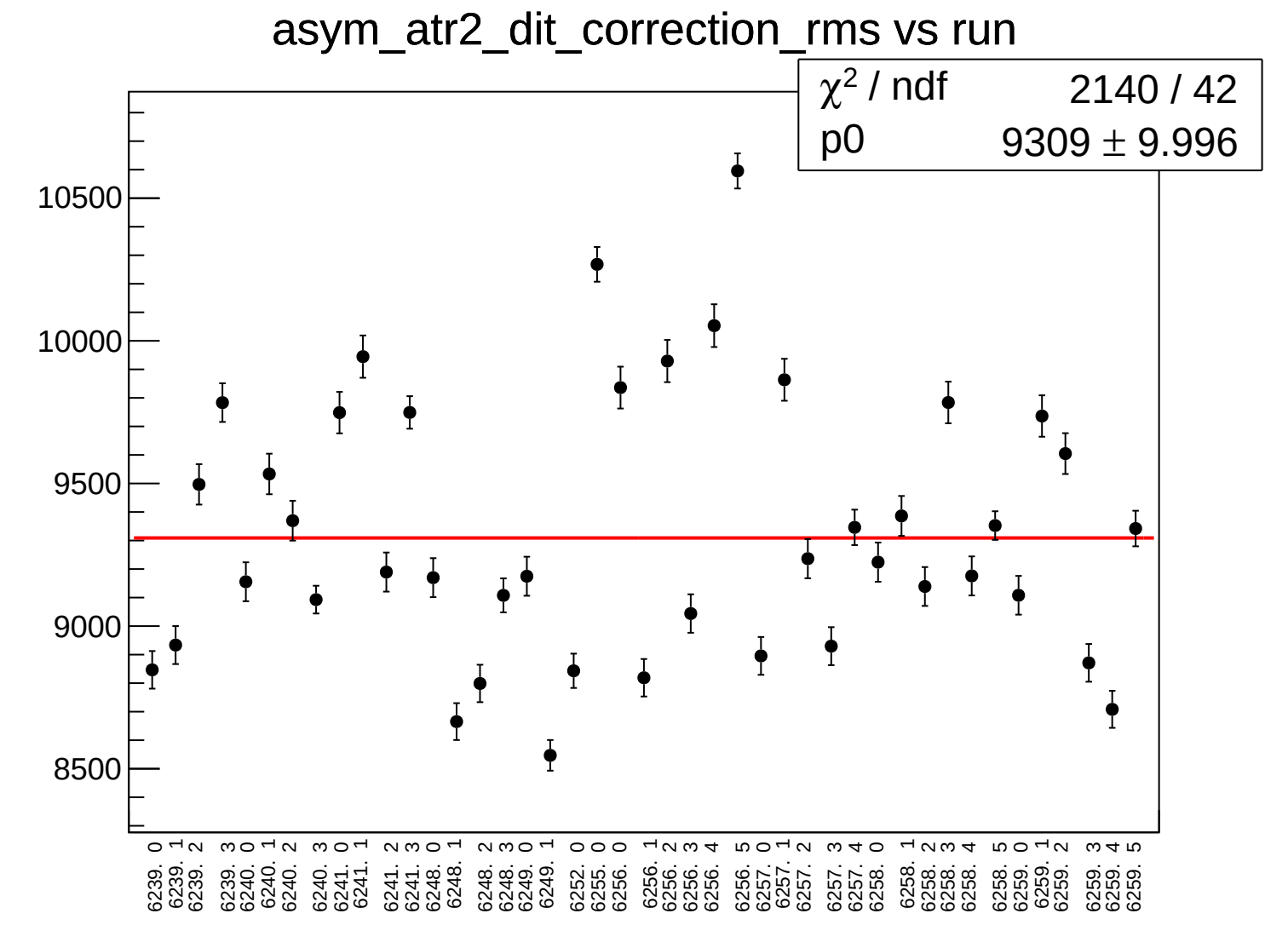

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 36.37 / 42
p0 5889 ± 3965
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 133
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

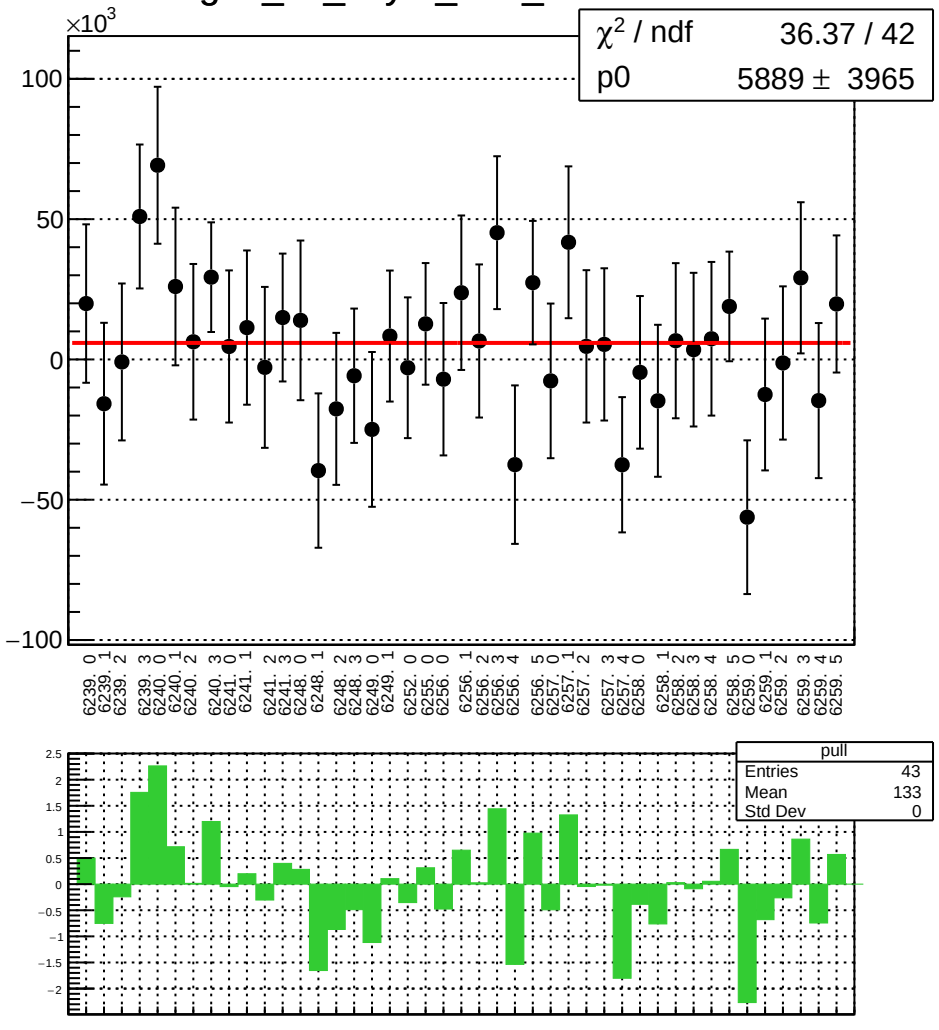

pull1D
Entries 43
Mean −0.02427
Std Dev 0.9194
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

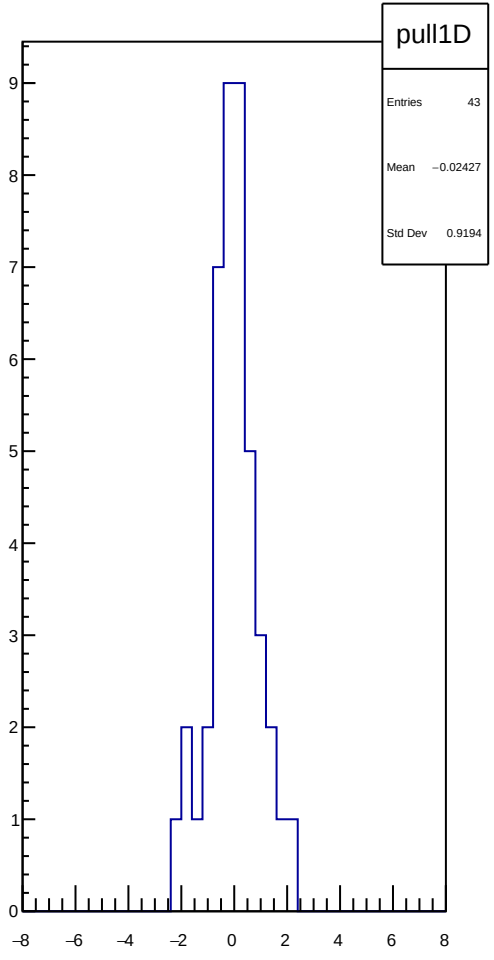

dit_asym_atr2_rms vs run
χ² / ndf 302.6 / 42
p0 2614 ± 2.804
2750
2700
2650
2600
2550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

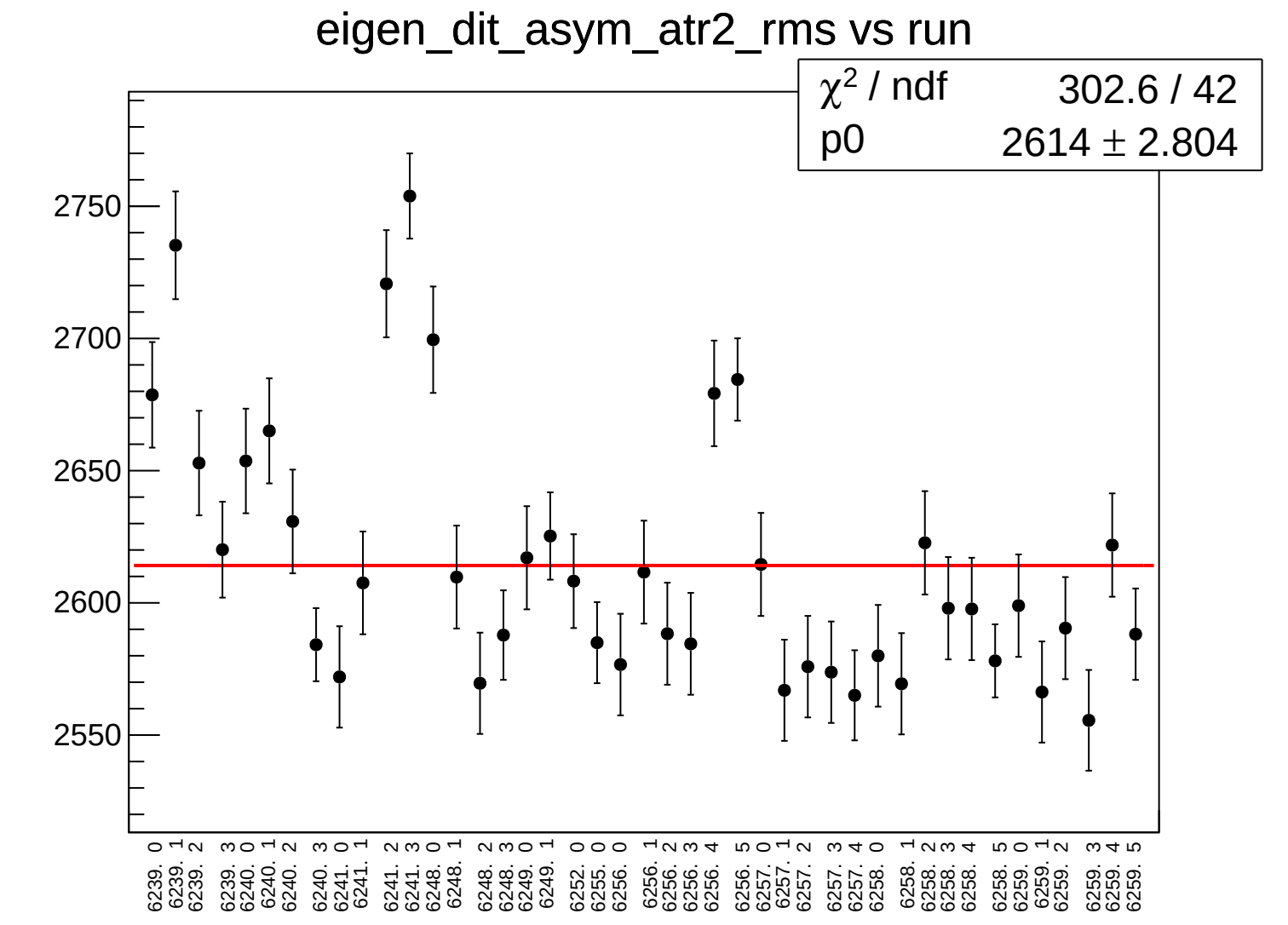

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 42.66 / 42
p0 −33.16 ± 1.414e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.29
Std Dev 0
2
1
0
−1
−2
−3

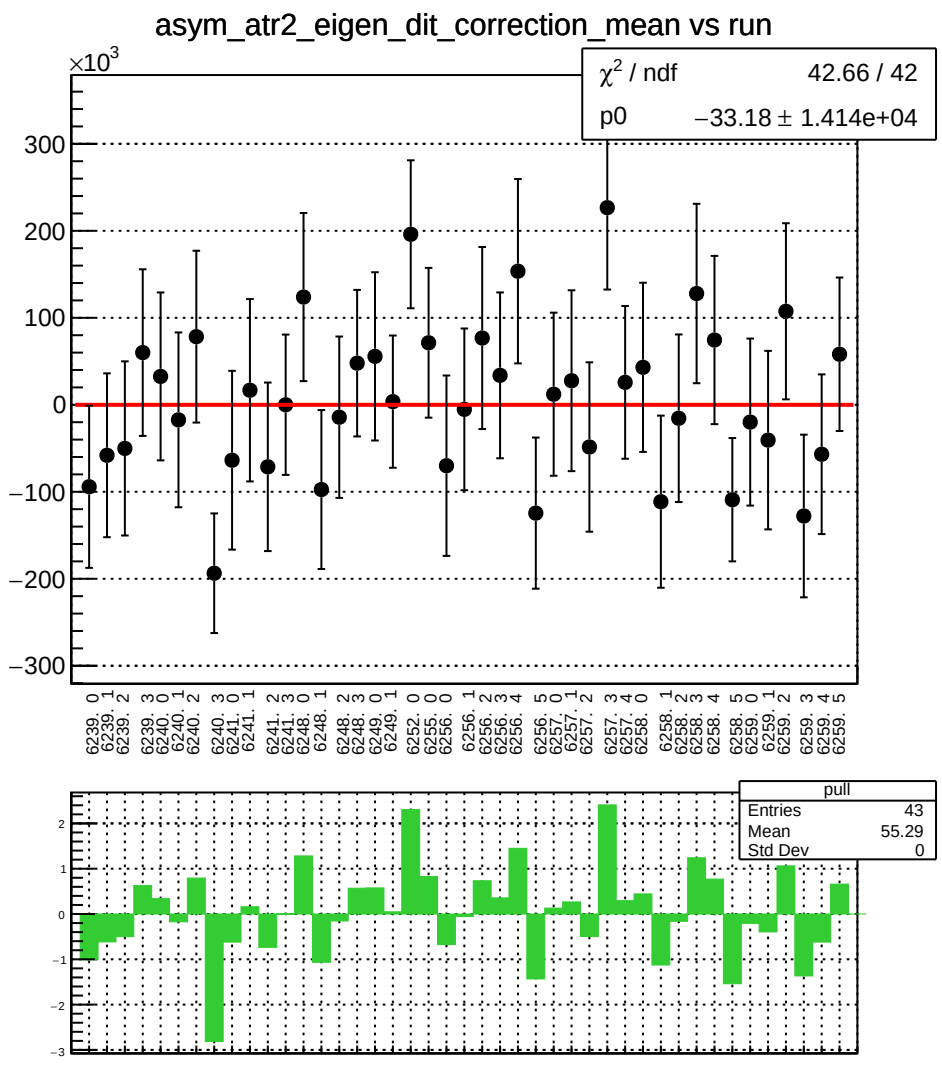

pull1D
Entries 43
Mean 0.03679
Std Dev 0.9953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

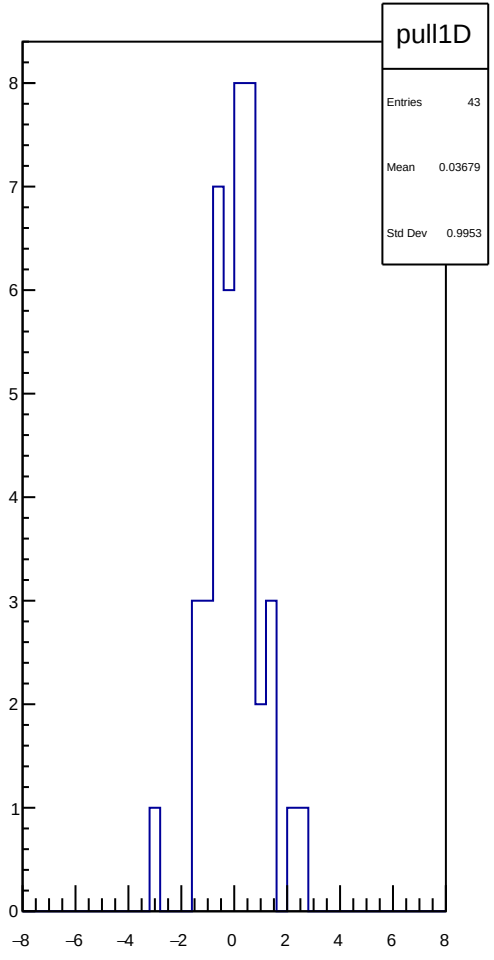

asym_atr2_dit_correction_rms vs run
χ² / ndf 2140 / 42
p0 9309 ± 9.996
10500
10000
9500
9000
8500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

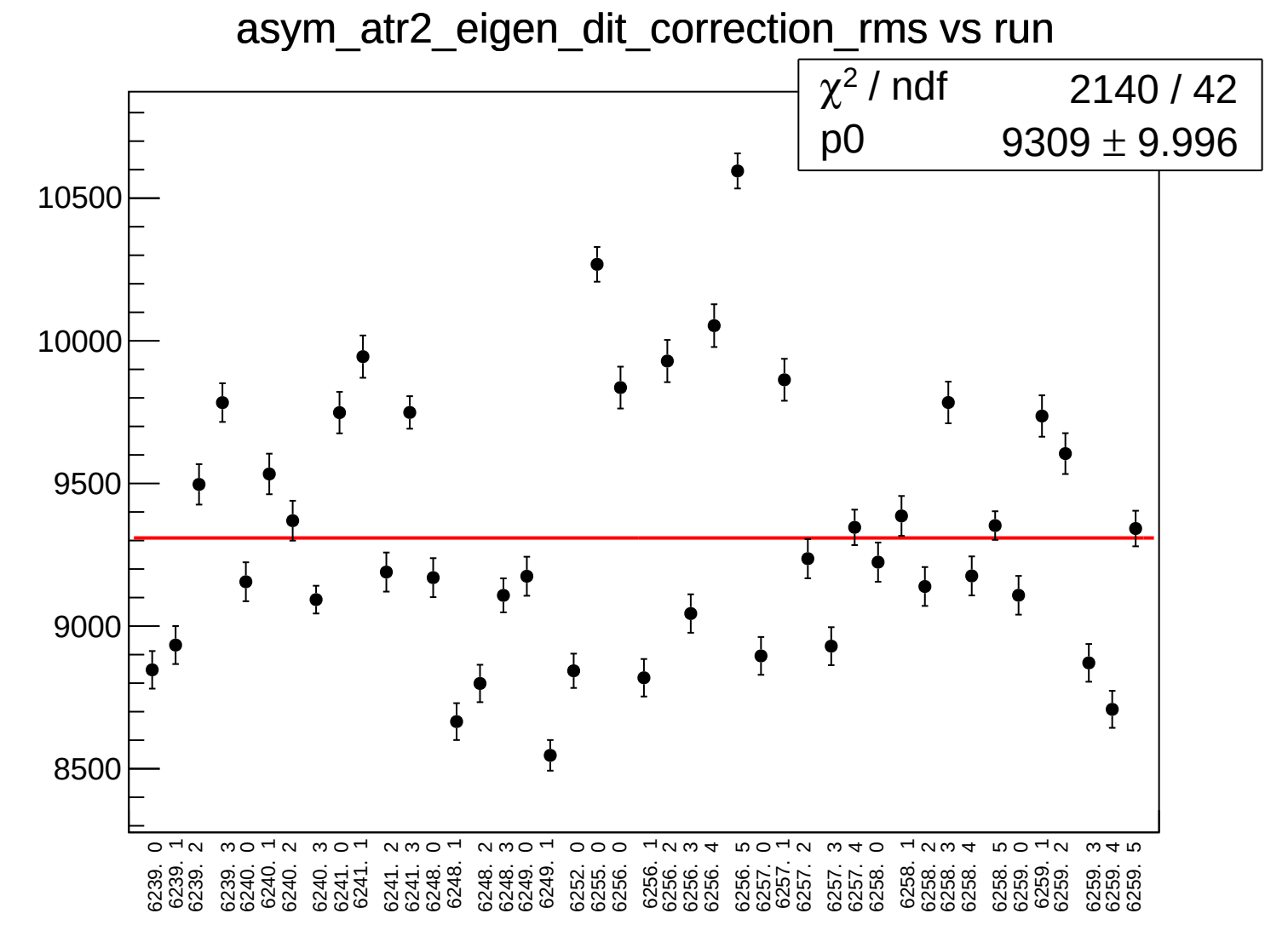

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 36.37 / 42
p0 5889 ± 3965
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 133
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

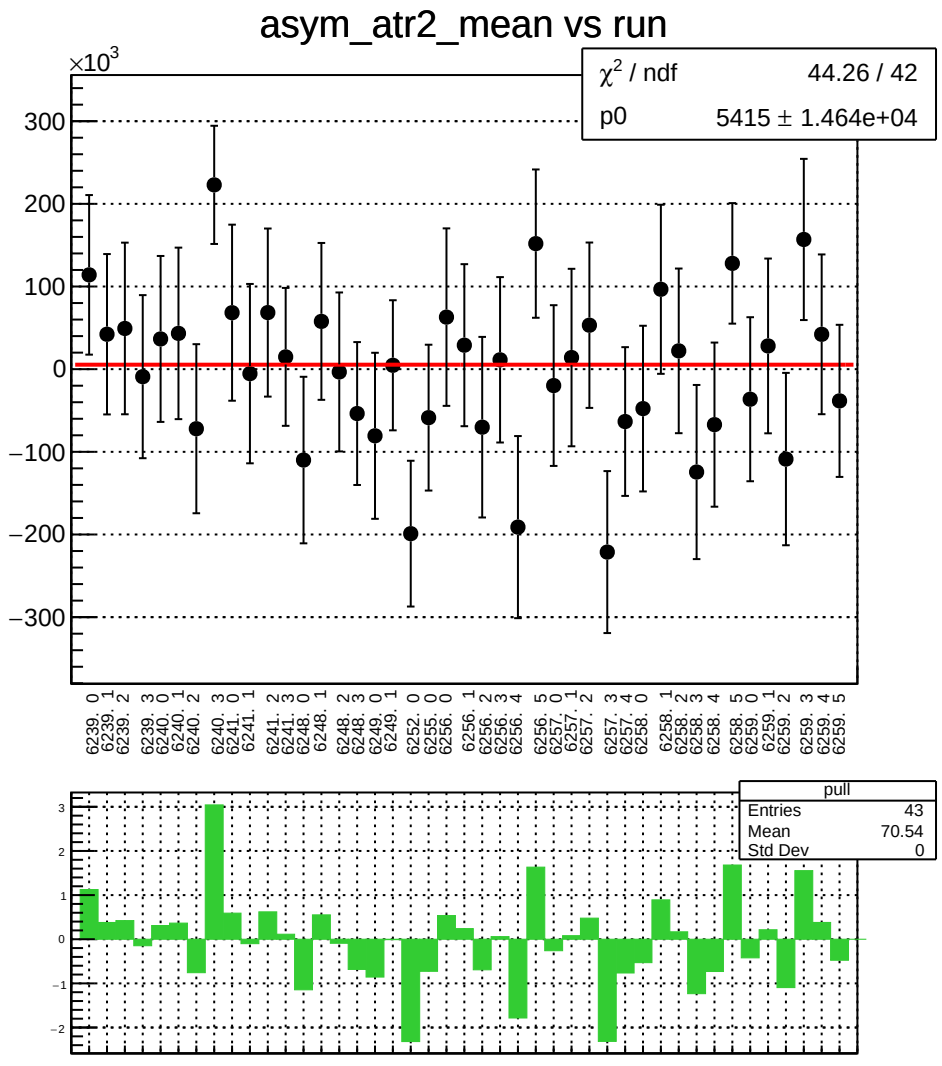

pull1D
Entries 43
Mean −0.02427
Std Dev 0.9194
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

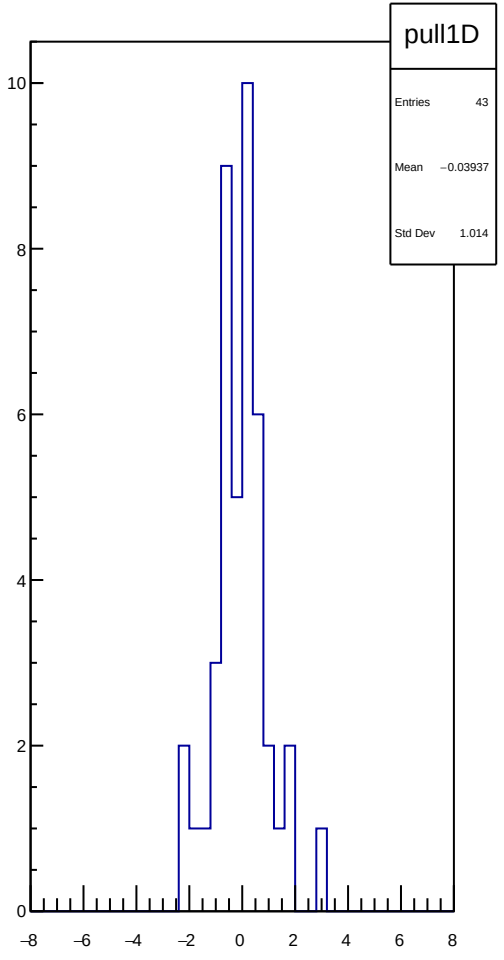

eigen_dit_asym_atr2_rms vs run
χ² / ndf 302.6 / 42
p0 2614 ± 2.804
2750
2700
2650
2600
2550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

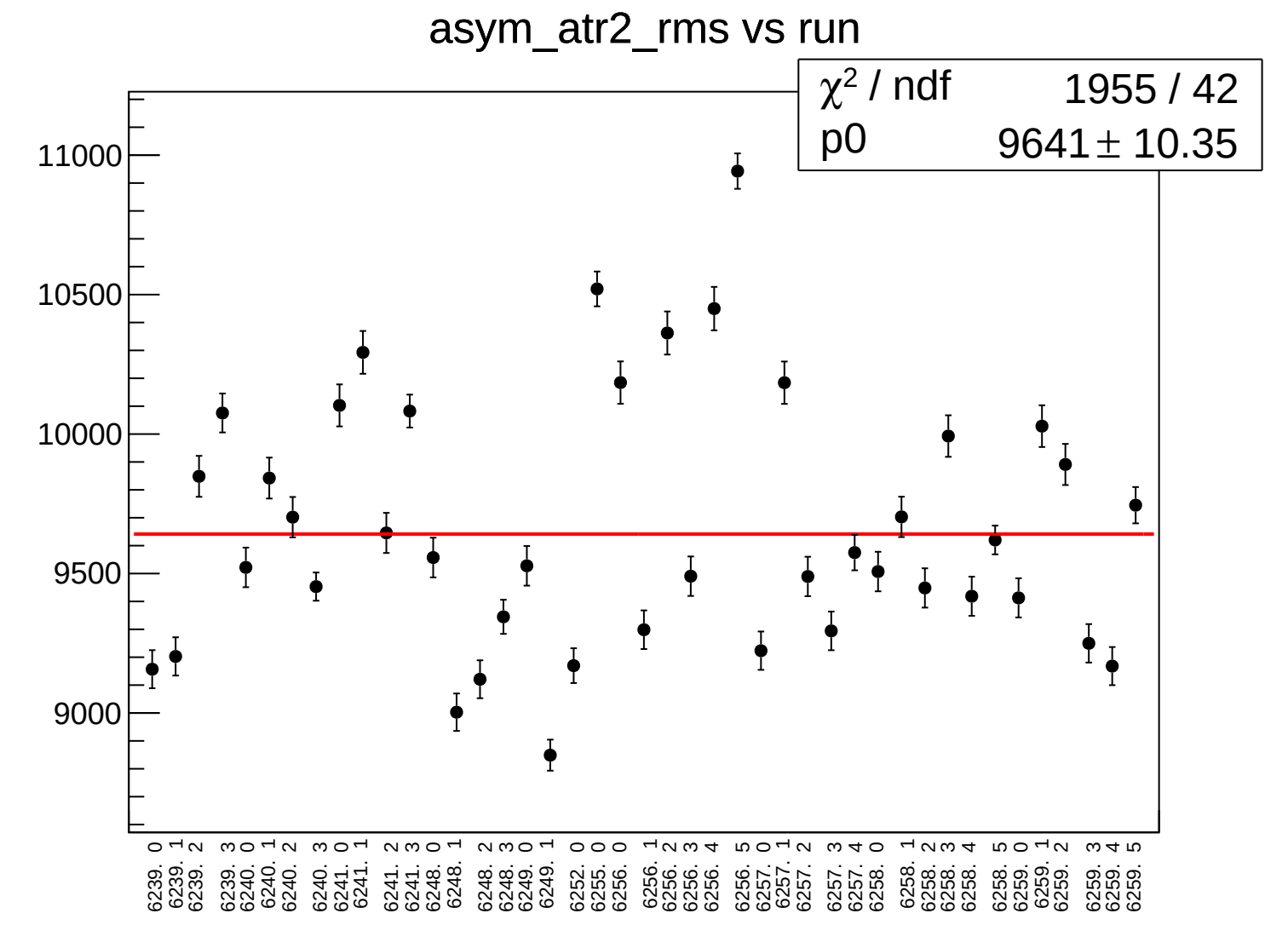

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.66 / 42
p0 −33.18 ± 1.414e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.29
Std Dev 0
2
1
0
−1
−2
−3

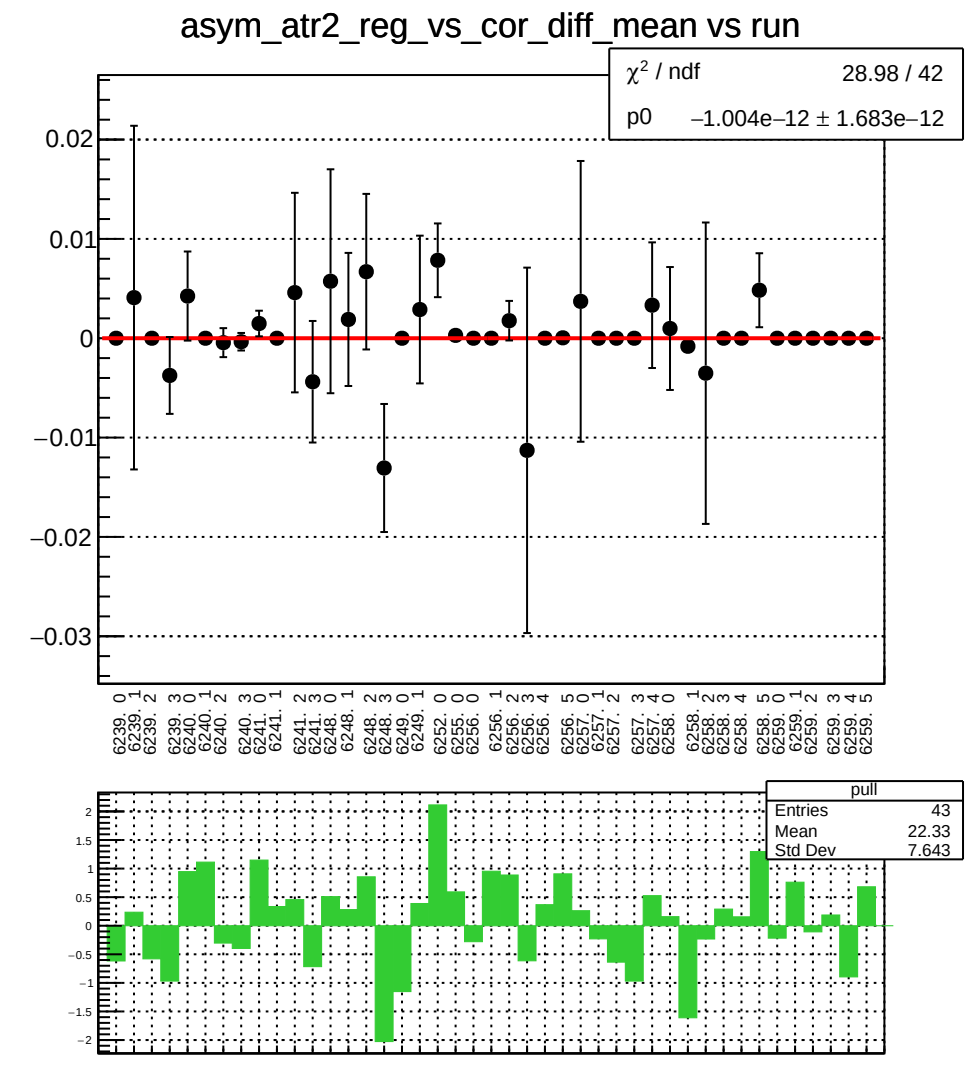

pull1D
Entries 43
Mean 0.03679
Std Dev 0.9953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

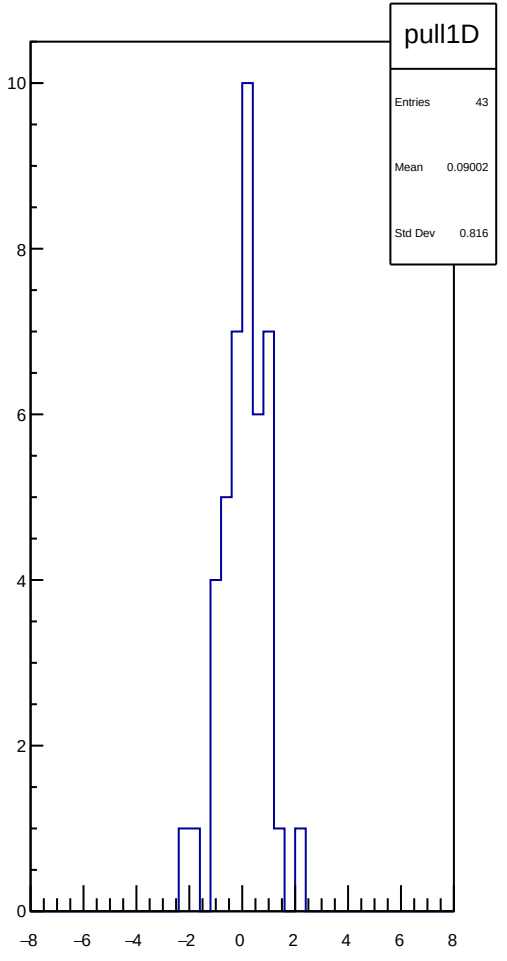

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 2140 / 42
p0 9309 ± 9.996
10500
10000
9500
9000
8500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

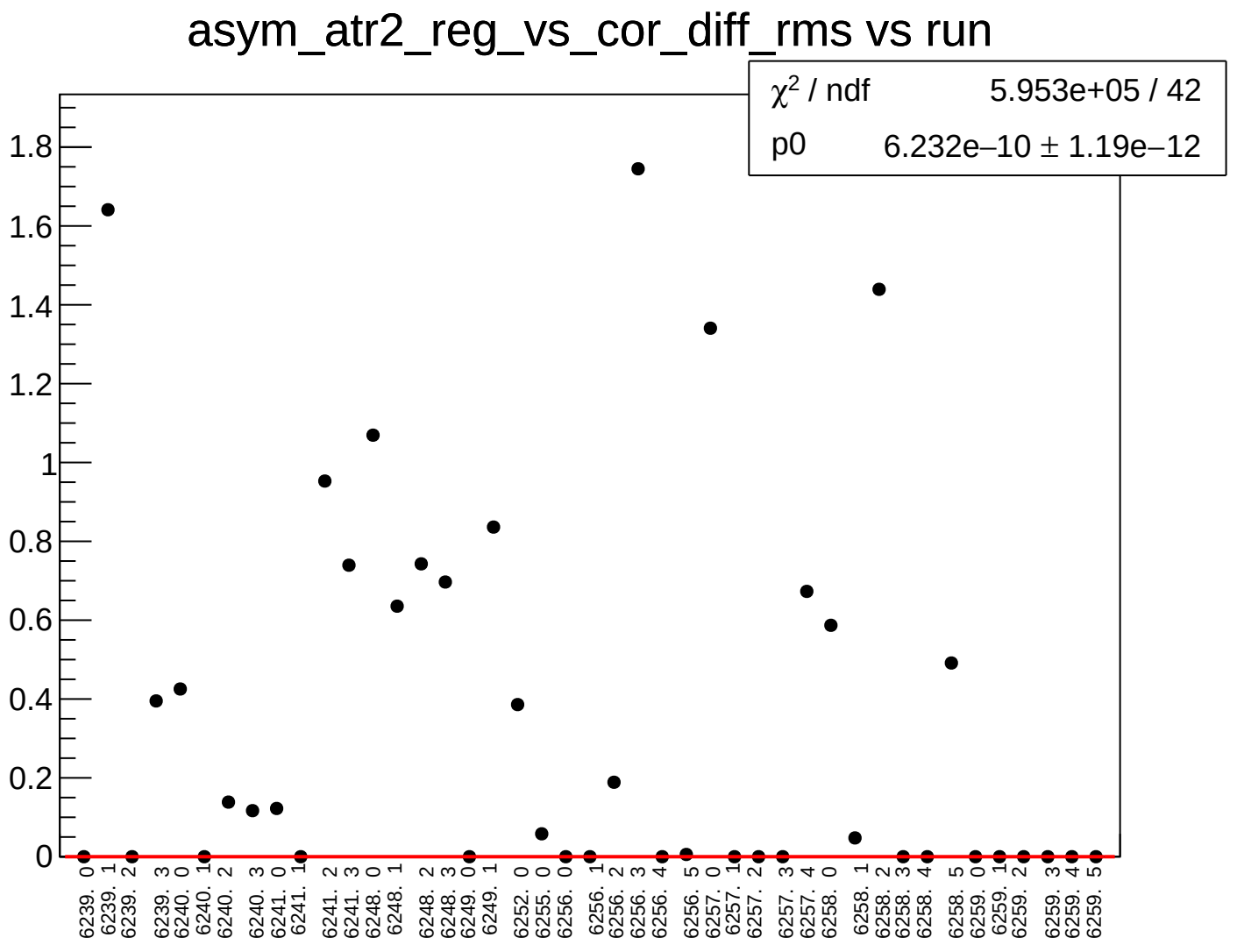

asym_atr2_mean vs run
×10^3
χ² / ndf 44.26 / 42
p0 5415 ± 1.464e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 70.54
Std Dev 0
3
2
1
0
−1
−2

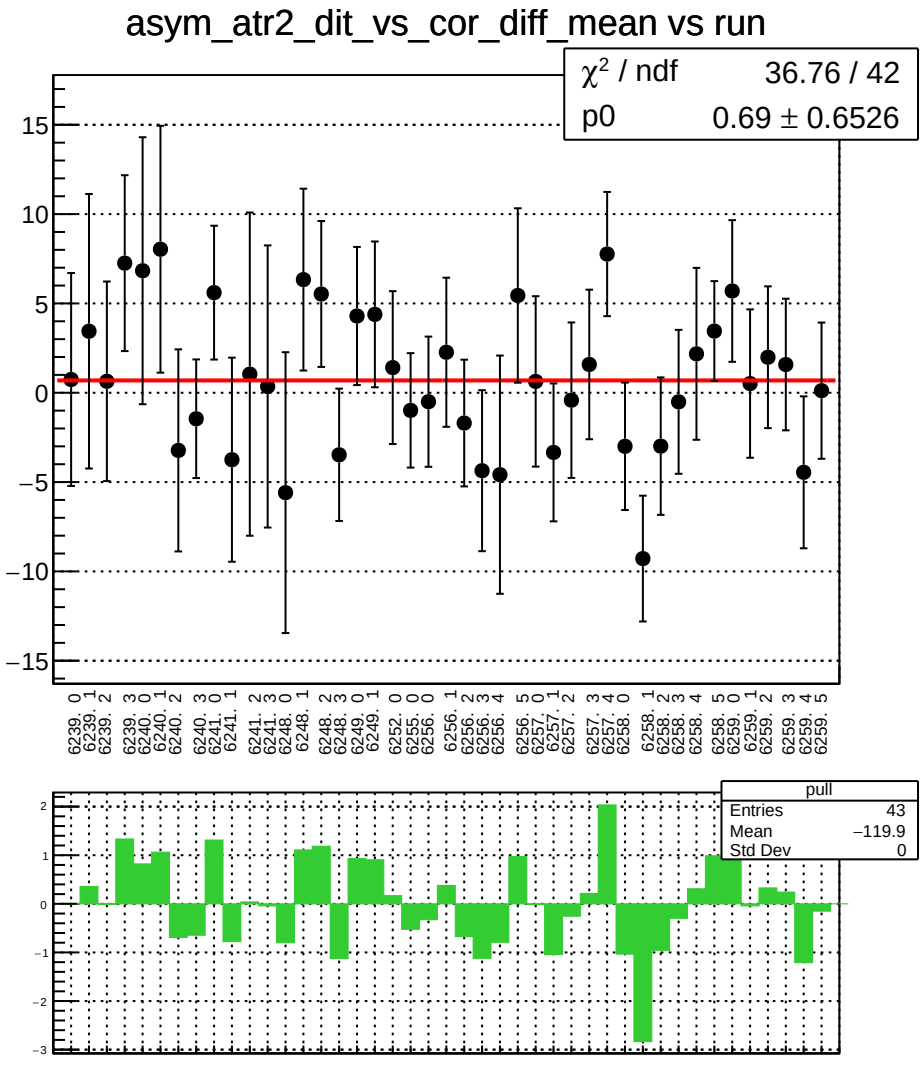

pull1D
Entries 43
Mean −0.03937
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

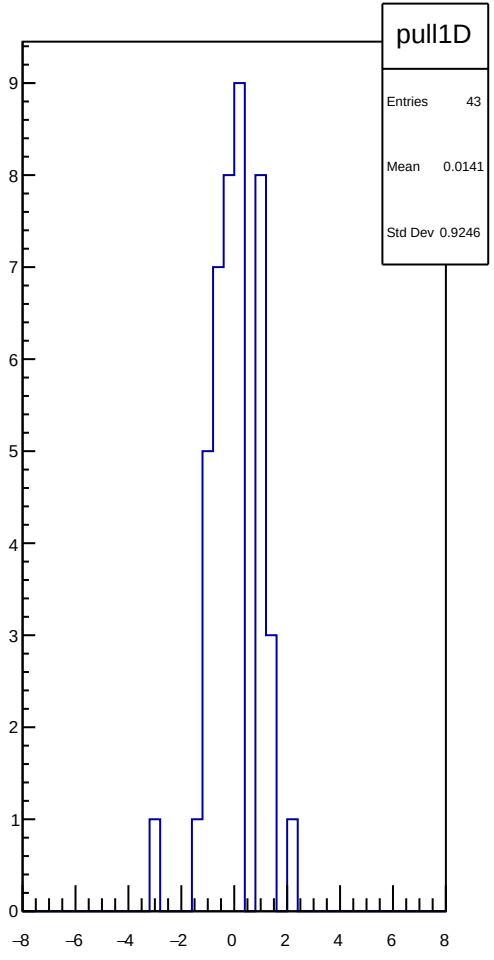

asym_atr2_rms vs run
χ² / ndf 1955 / 42
p0 9641 ± 10.35
11000
10500
10000
9500
9000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

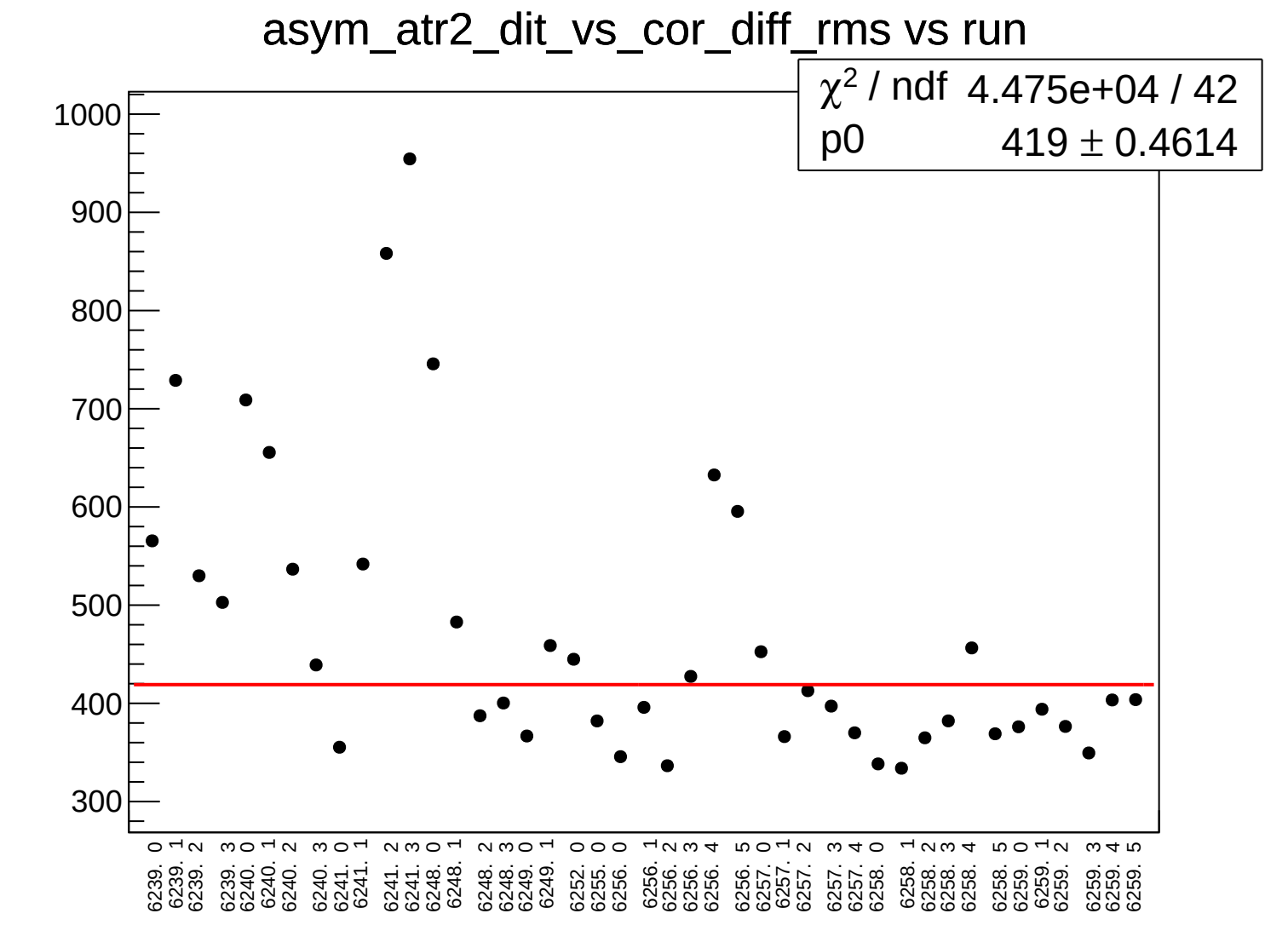

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 28.98 / 42
p0 −1.004e−12 ± 1.683e−12
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 22.33
Std Dev 7.643
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

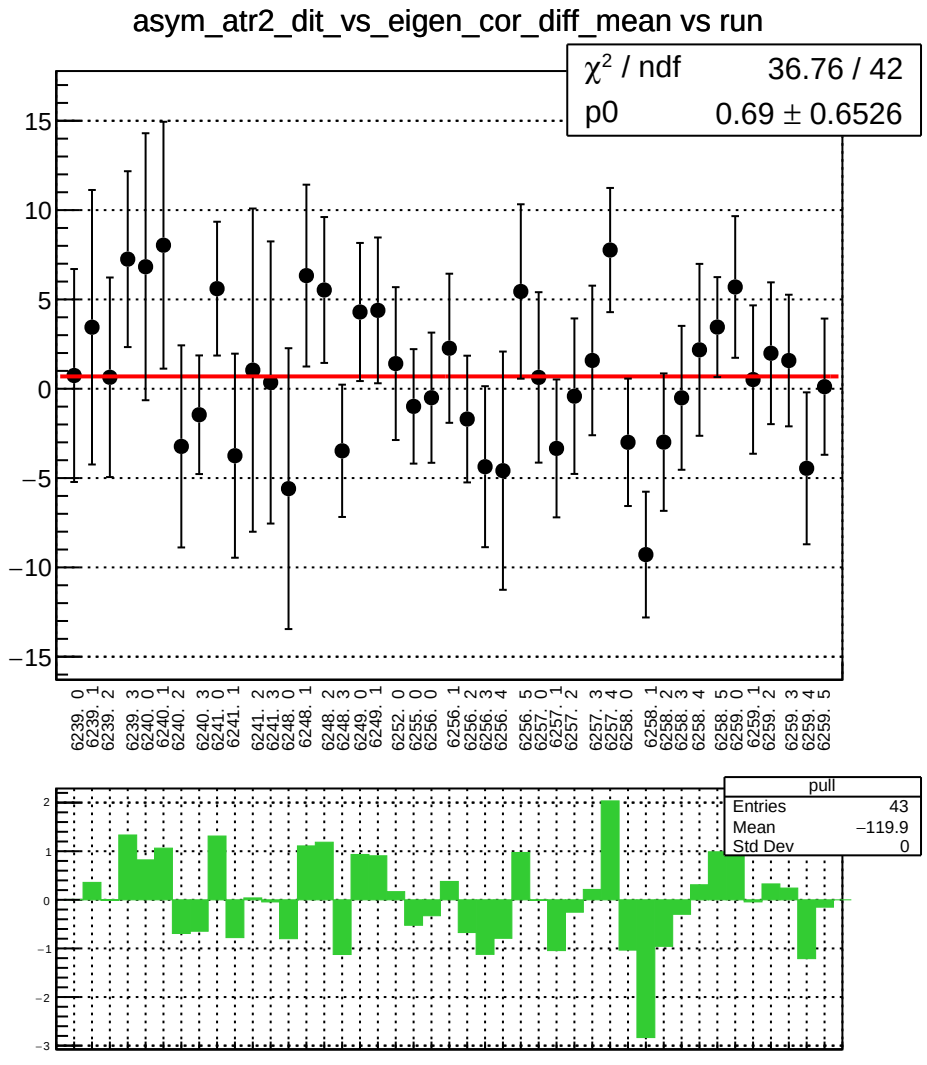

pull1D
Entries 43
Mean 0.09002
Std Dev 0.816
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

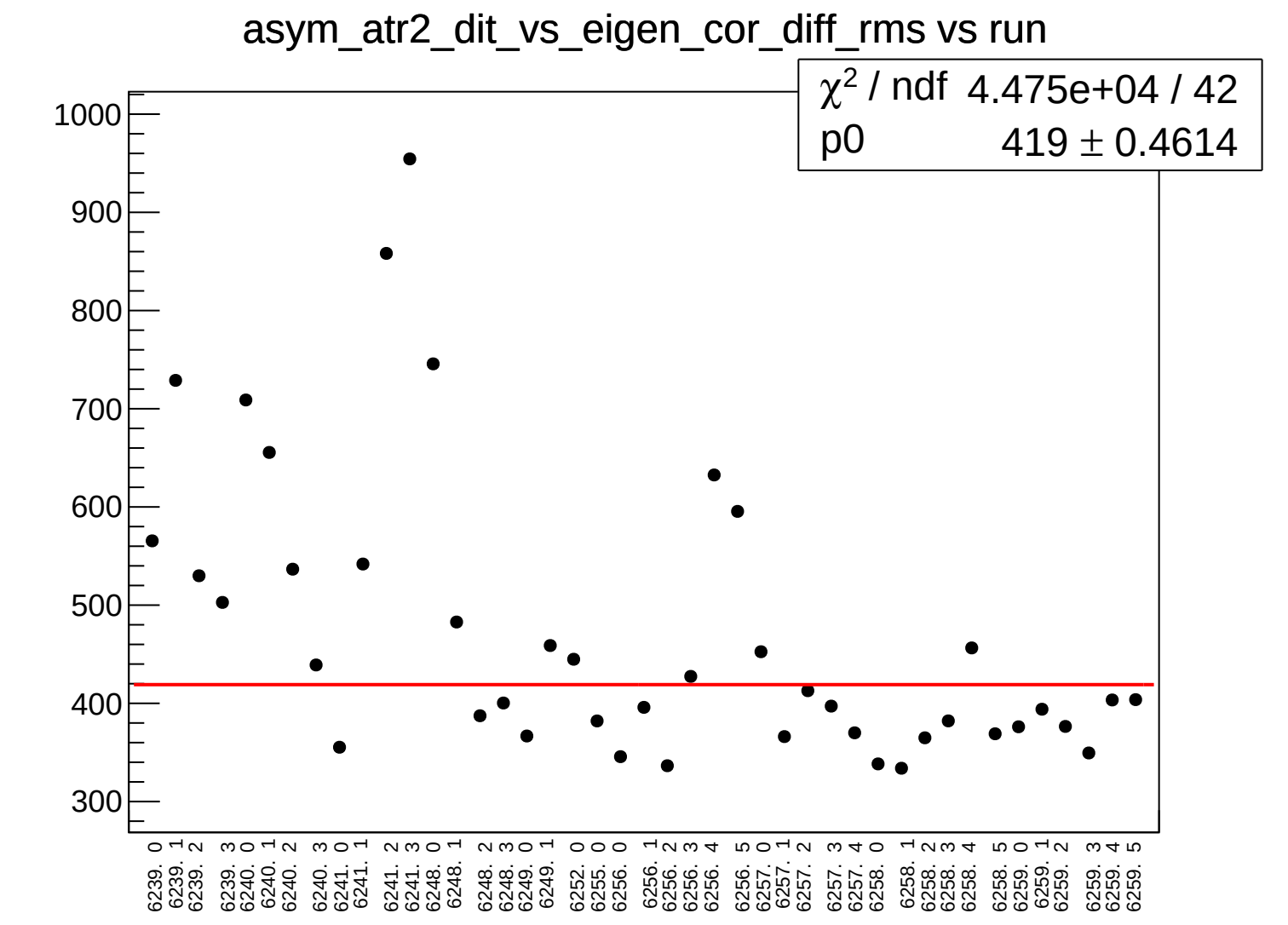

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.953e+05 / 42
p0 6.232e−10 ± 1.19e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

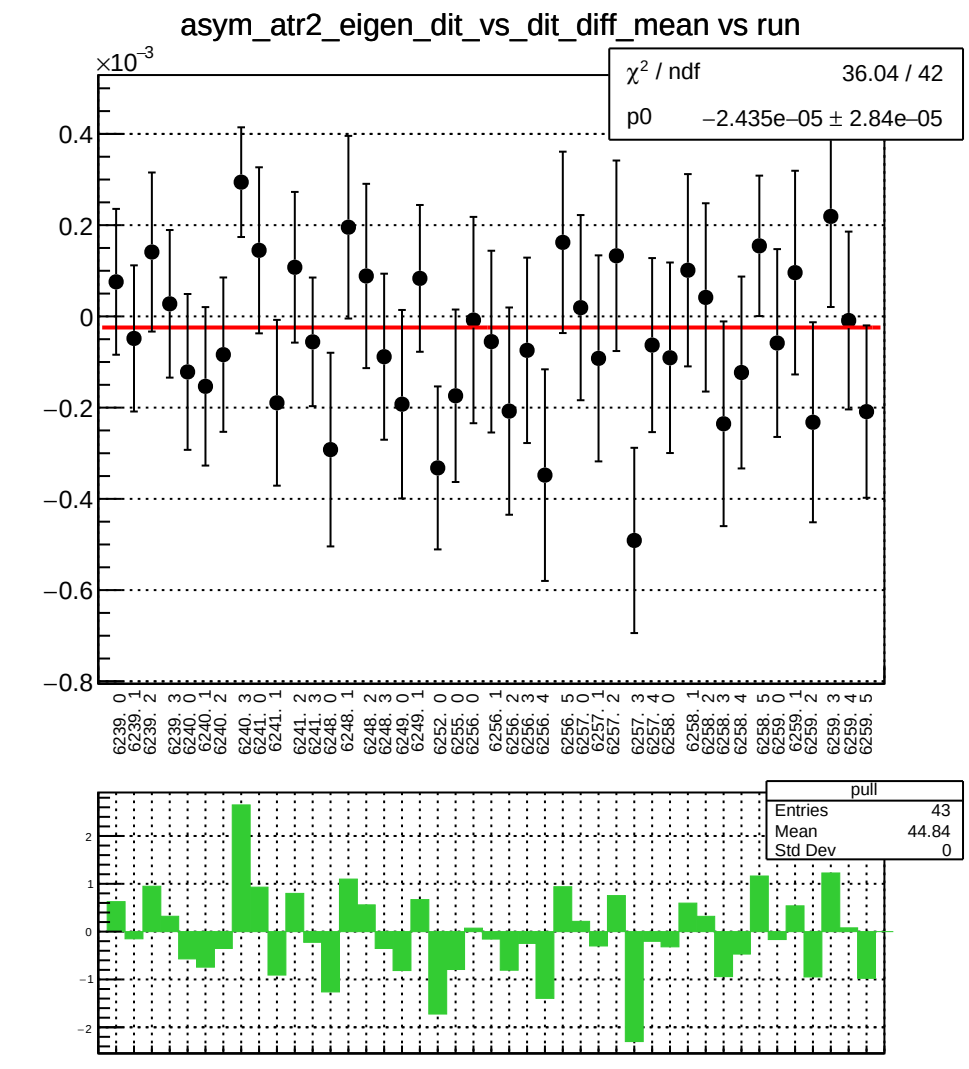

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 36.76 / 42
p0 0.69 ± 0.6526
15
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −119.9
Std Dev 0
2
1
0
−1
−2
−3

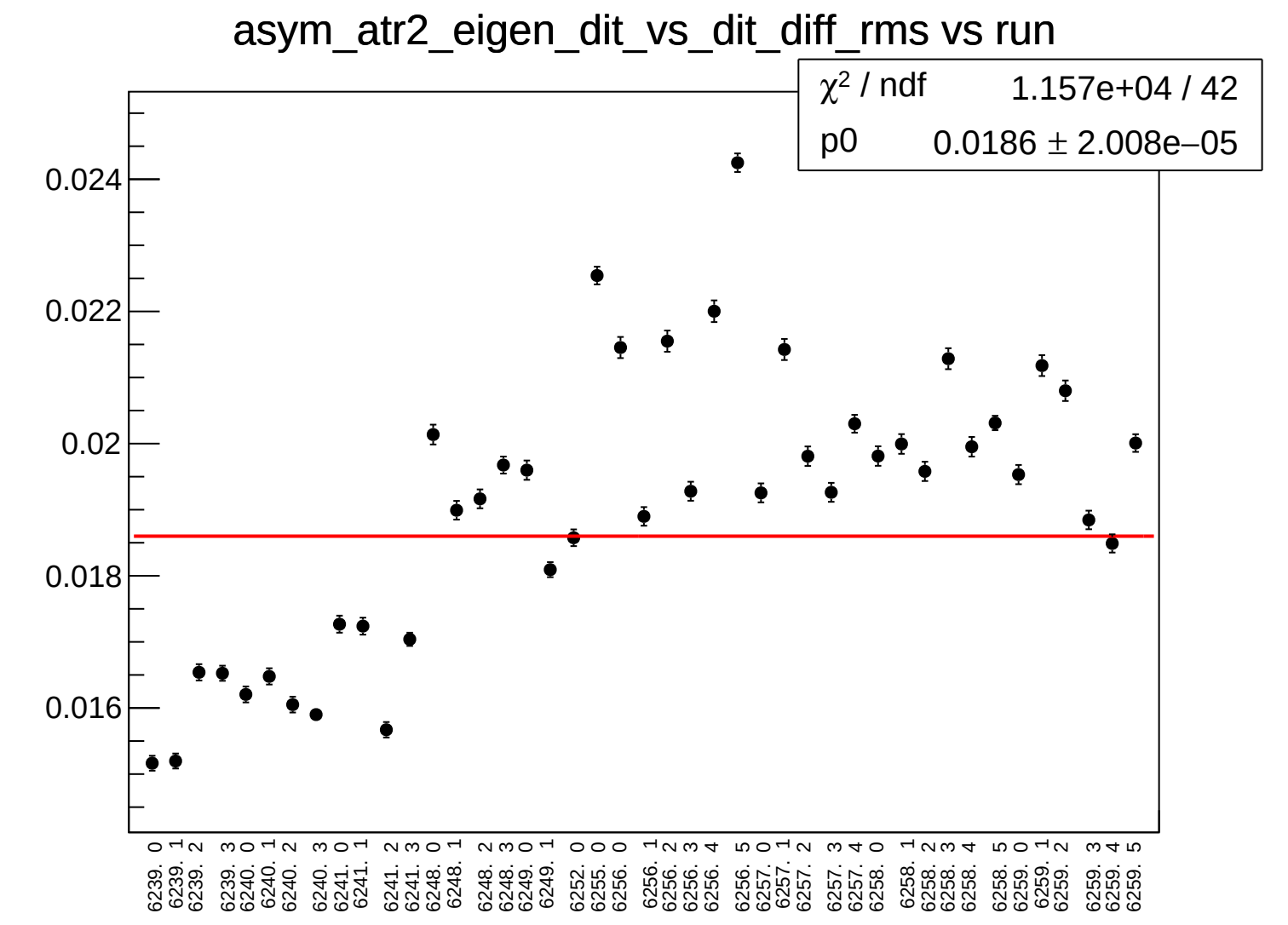

pull1D
Entries 43
Mean 0.0141
Std Dev 0.9246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

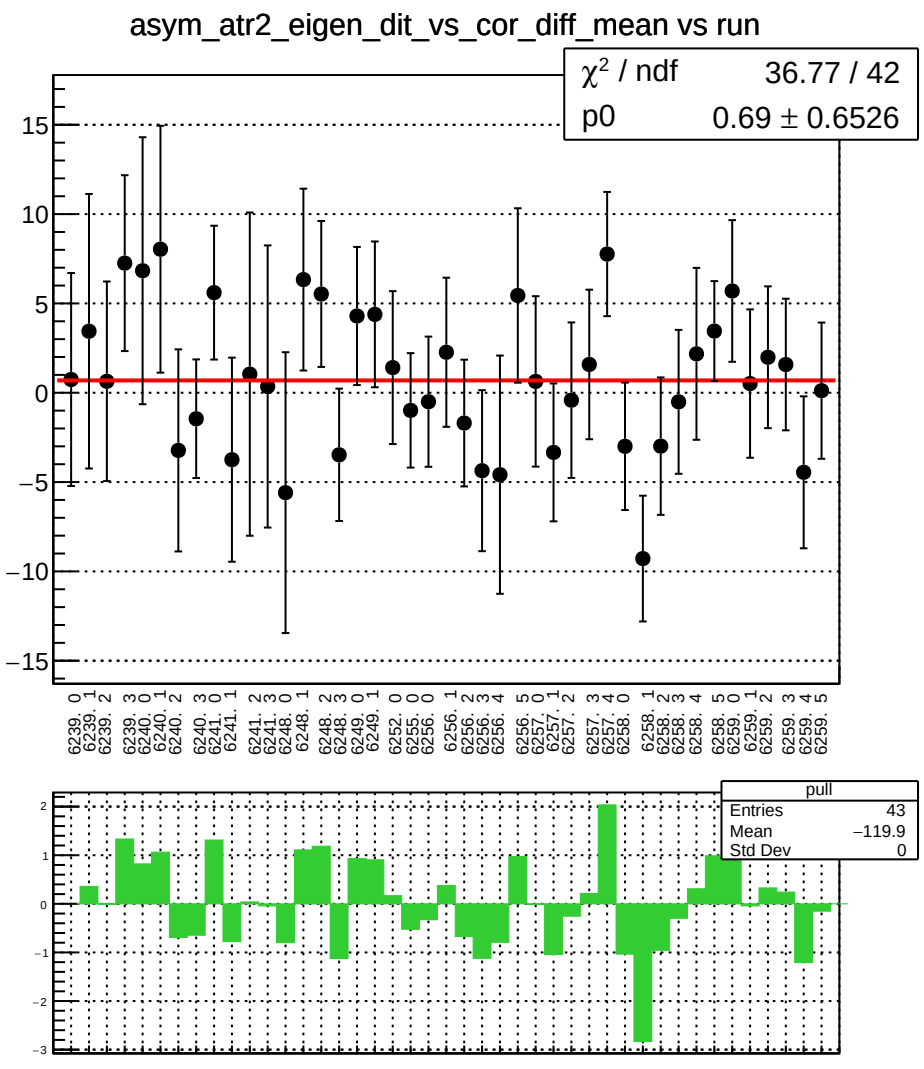

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.475e+04 / 42
p0 419 ± 0.4614
1000
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

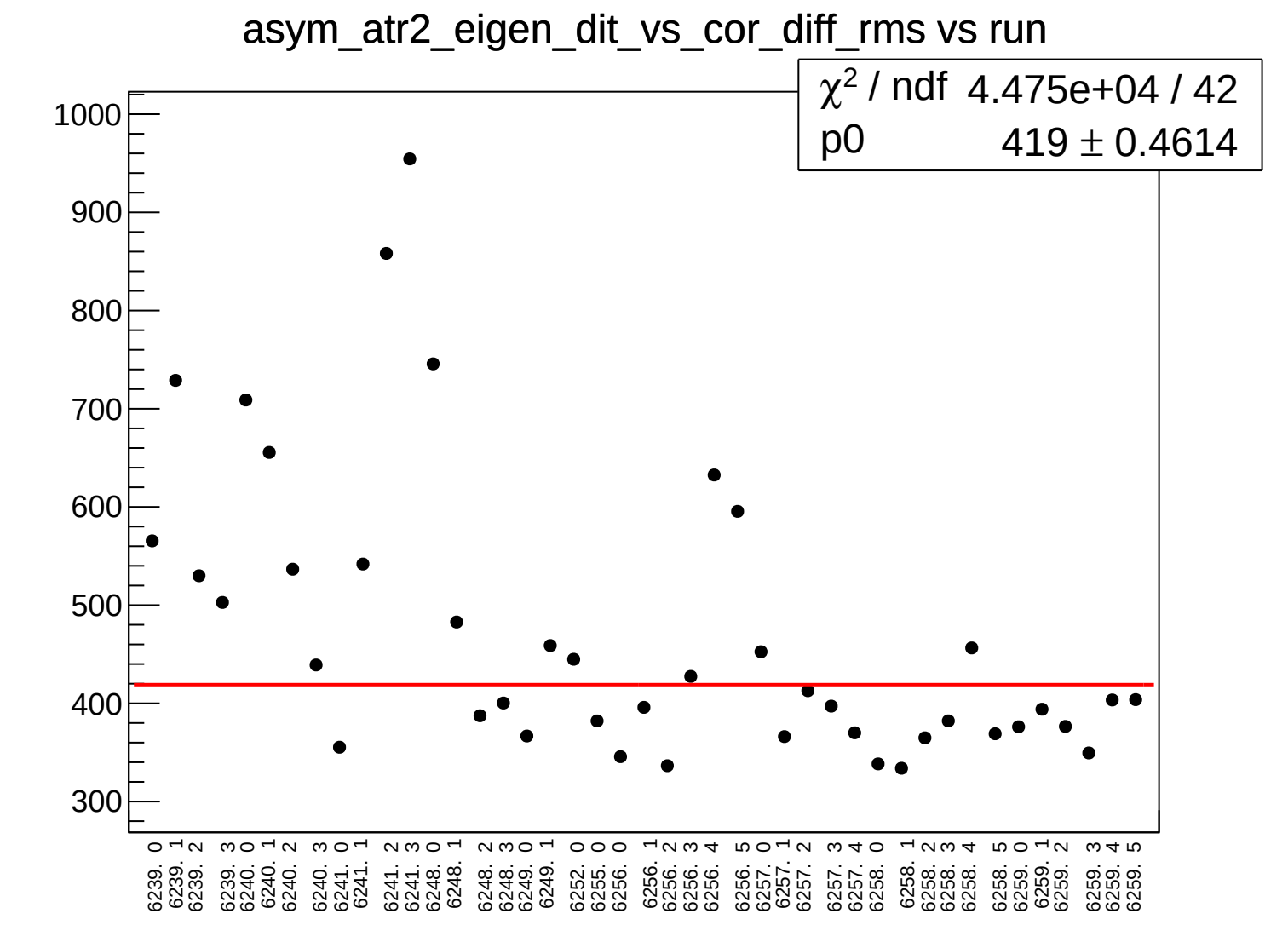

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.76 / 42
p0 0.69 ± 0.6526
15
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −119.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0141
Std Dev 0.9246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

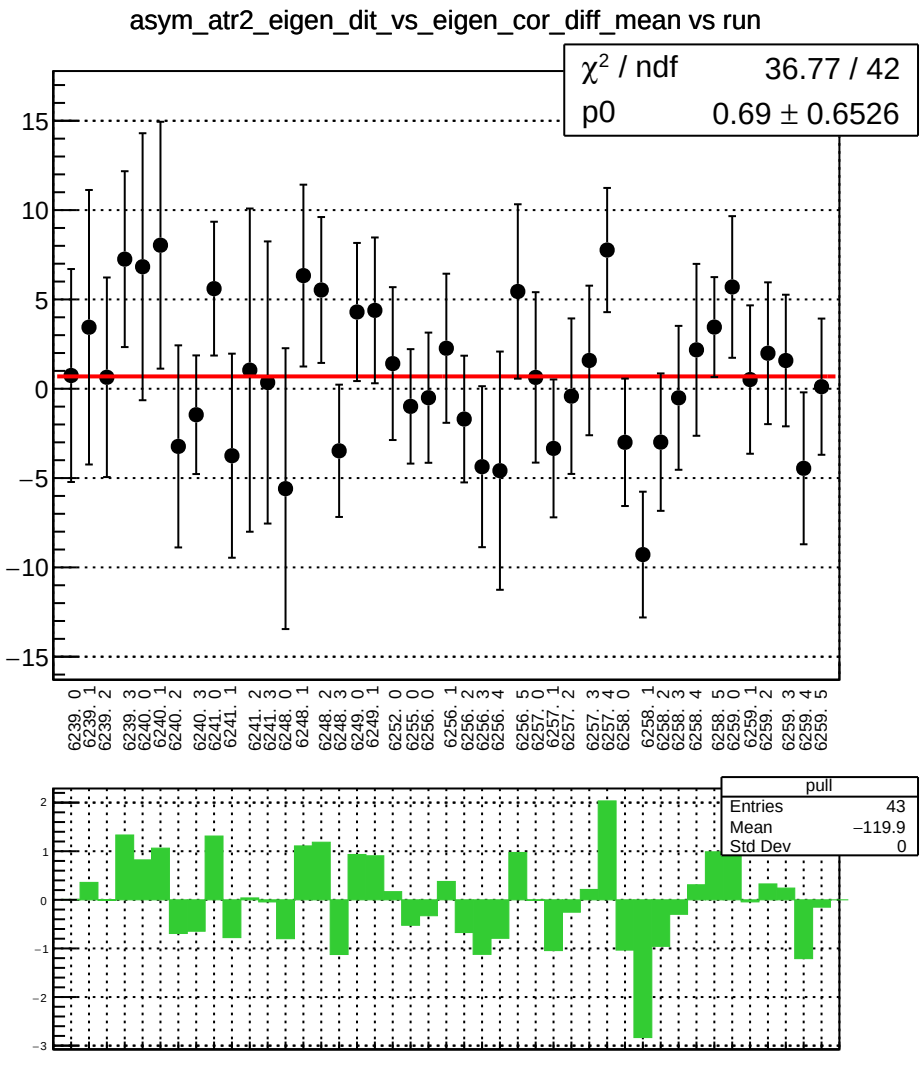

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.475e+04 / 42
p0 419 ± 0.4614
1000
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

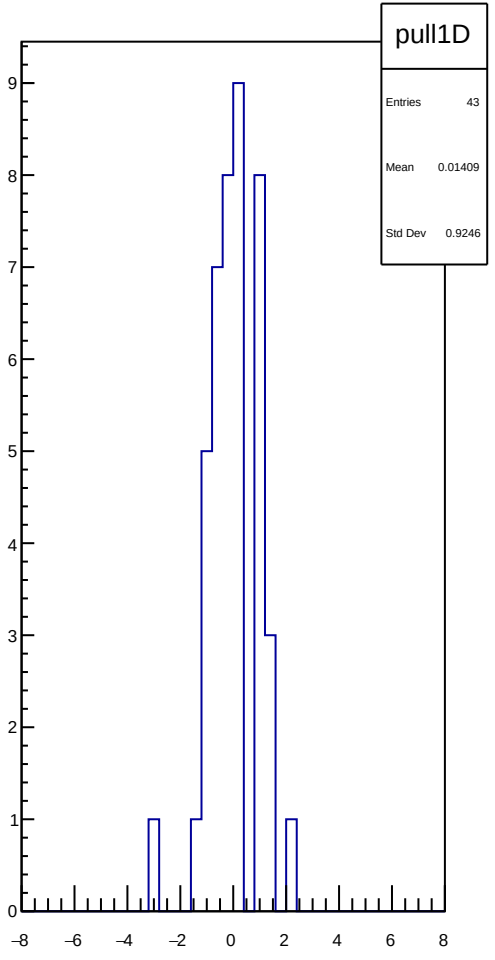

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.04 / 42
p0 −2.435e−05 ± 2.84e−05
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.84
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.06063
Std Dev 0.9135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

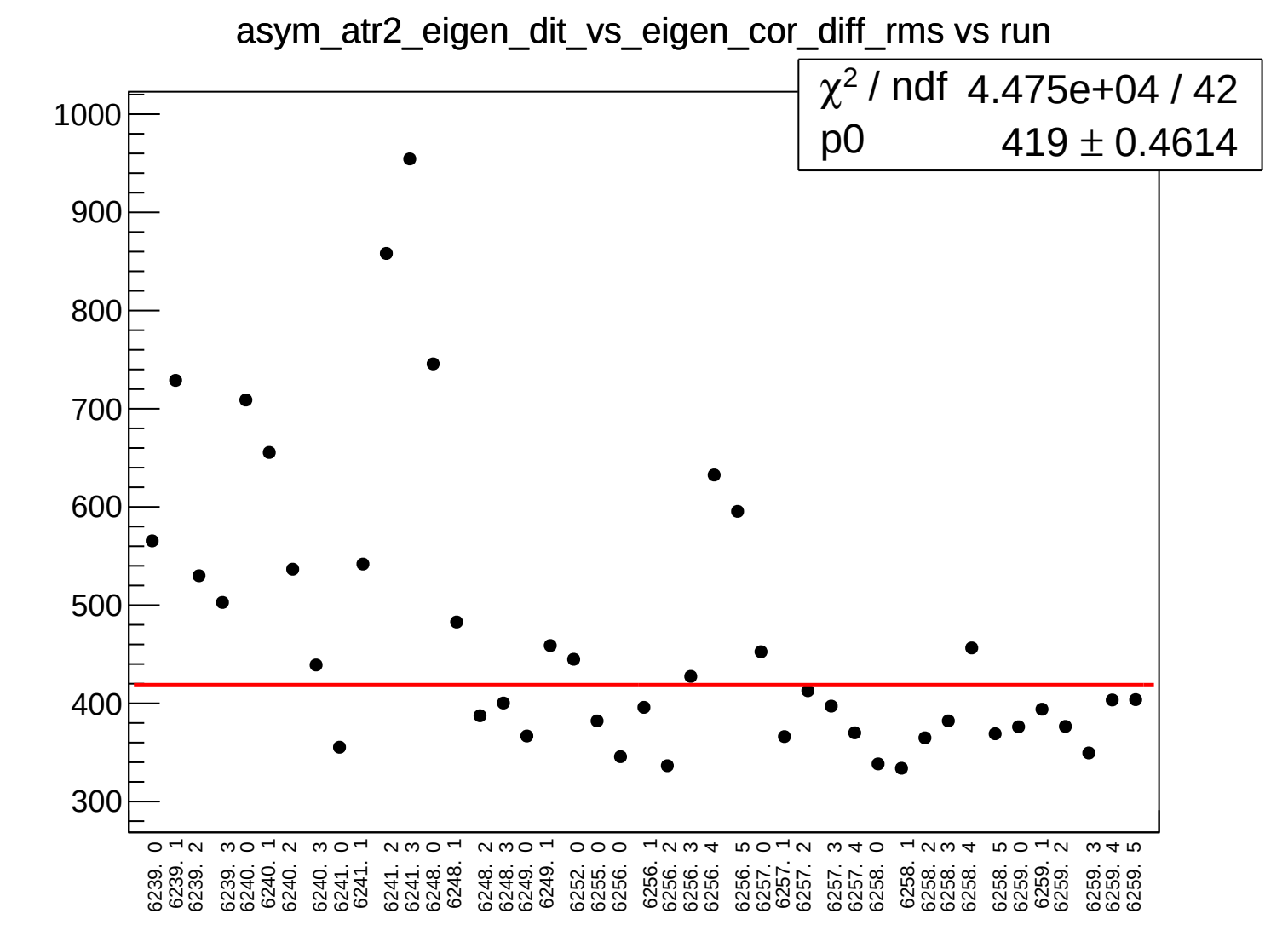

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.157e+04 / 42
p0 0.0186 ± 2.008e−05
0.024
0.022
0.02
0.018
0.016
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

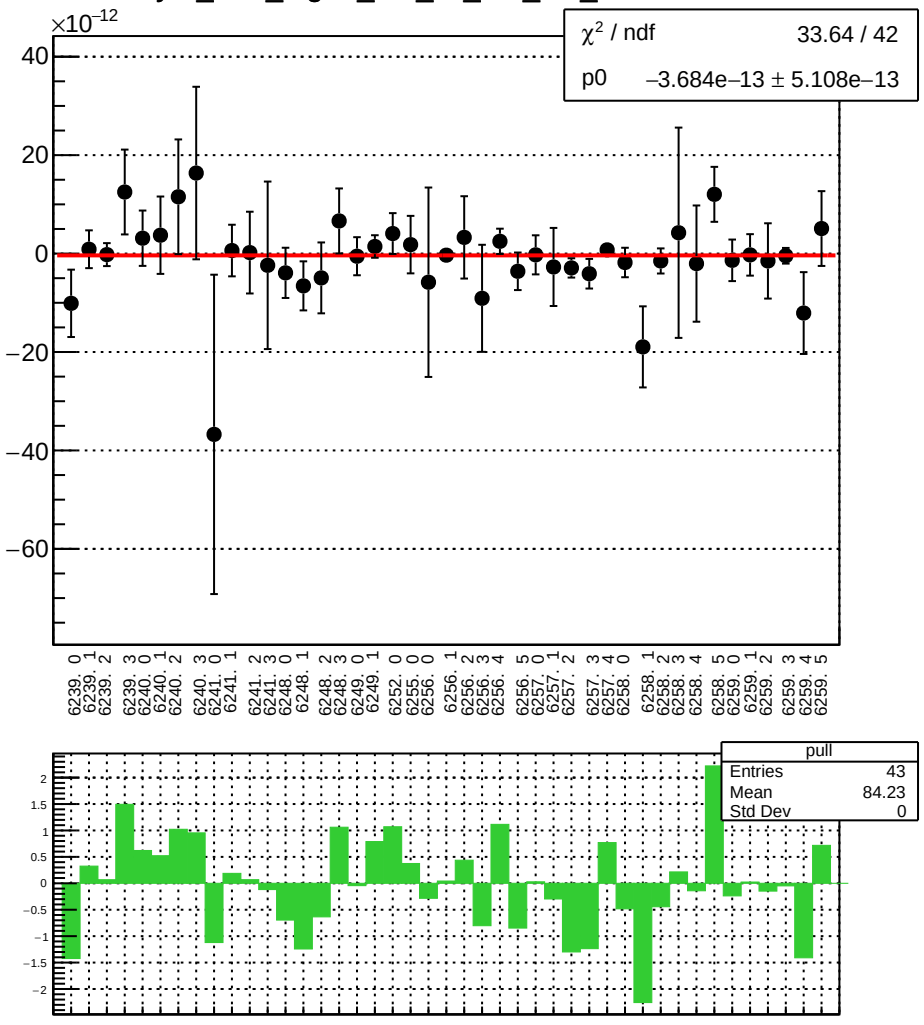

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.77 / 42
p0 0.69 ± 0.6526
15
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −119.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01409
Std Dev 0.9246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

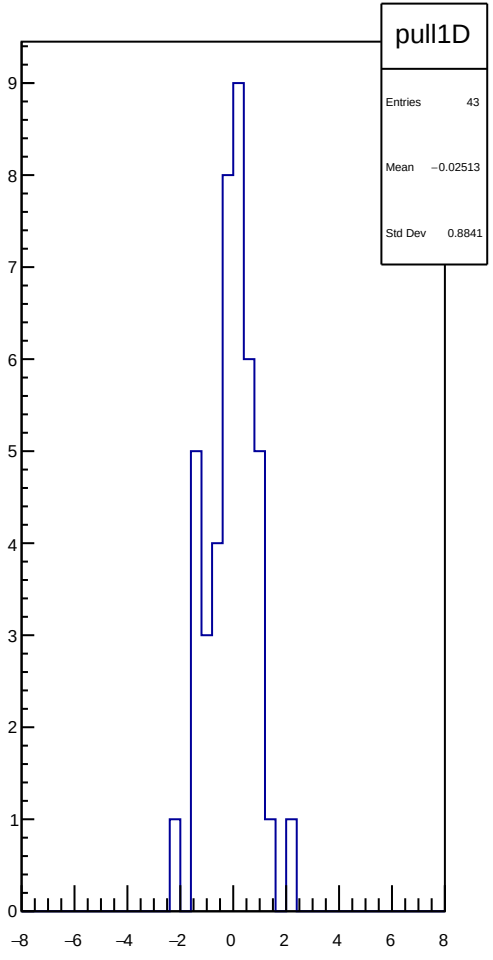

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.475e+04 / 42
p0 419 ± 0.4614
1000
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

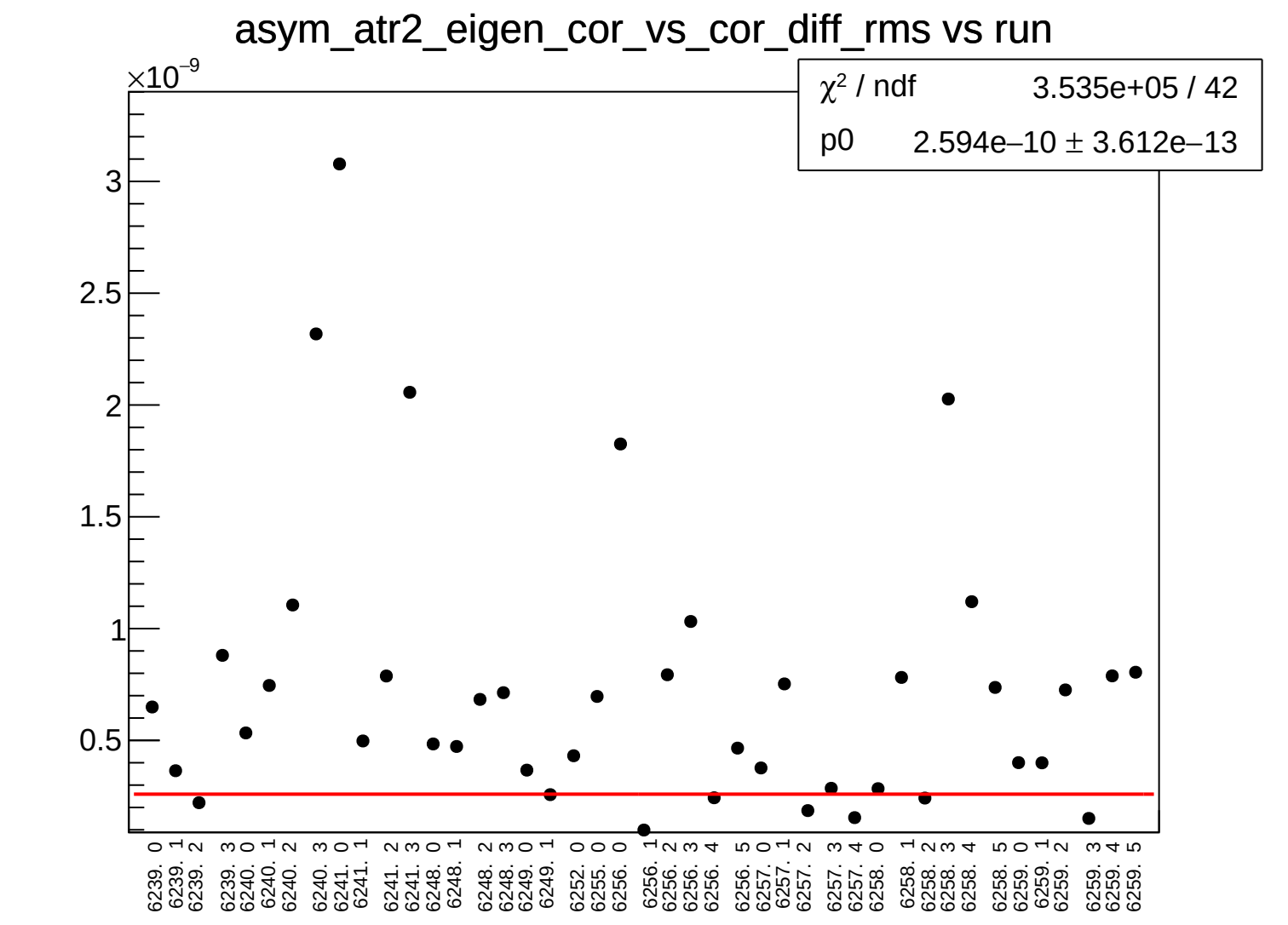

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.77 / 42
p0 0.69 ± 0.6526
pull
Entries 43
Mean −119.9
Std Dev 0

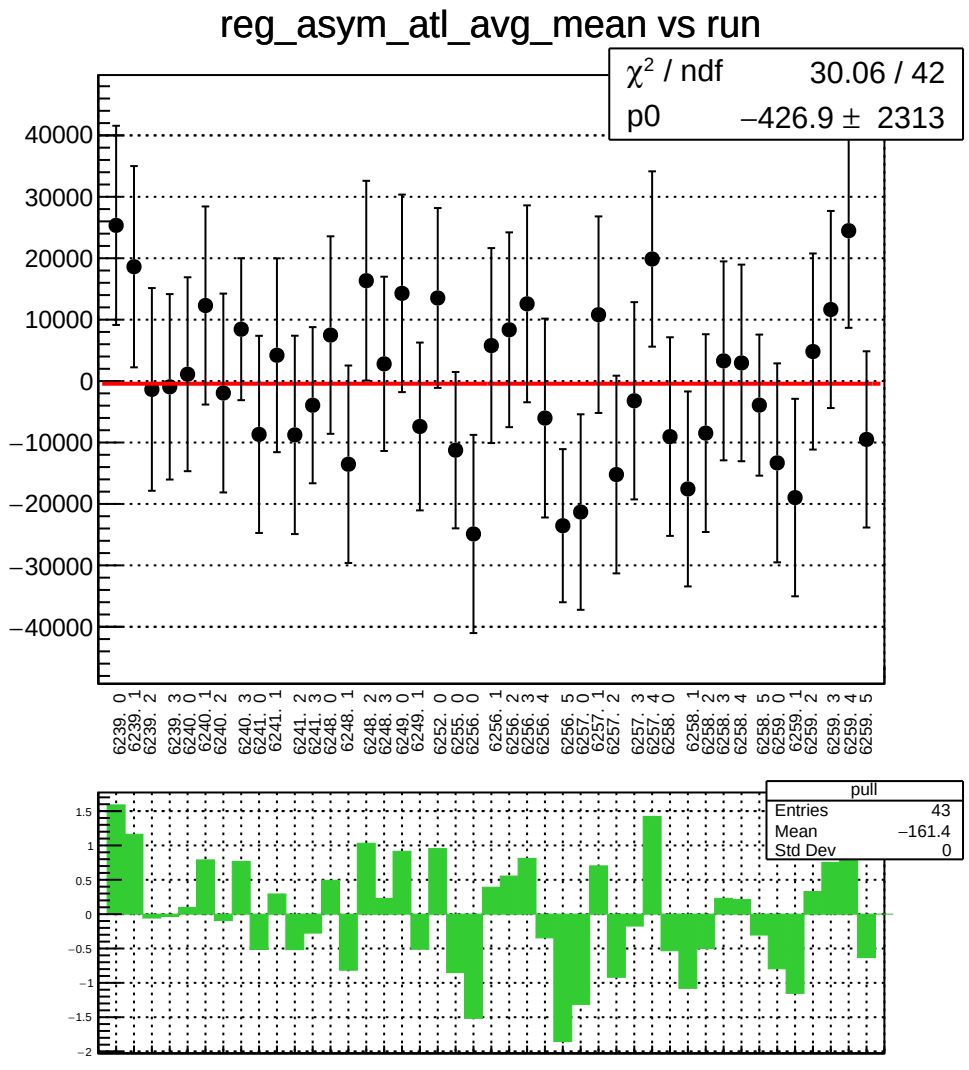

pull1D
Entries 43
Mean 0.01409
Std Dev 0.9246

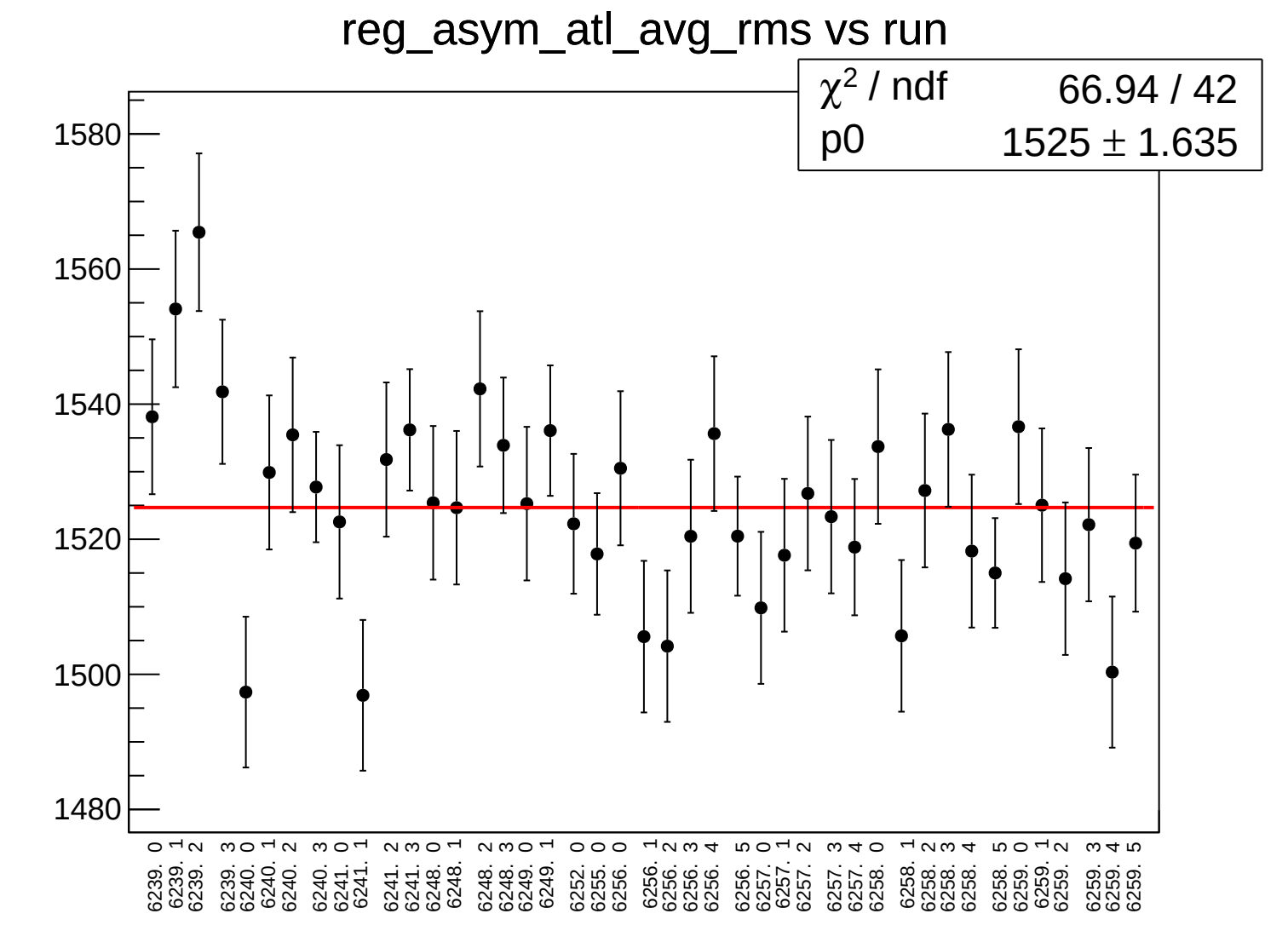

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.475e+04 / 42
p0 419 ± 0.4614
1000
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

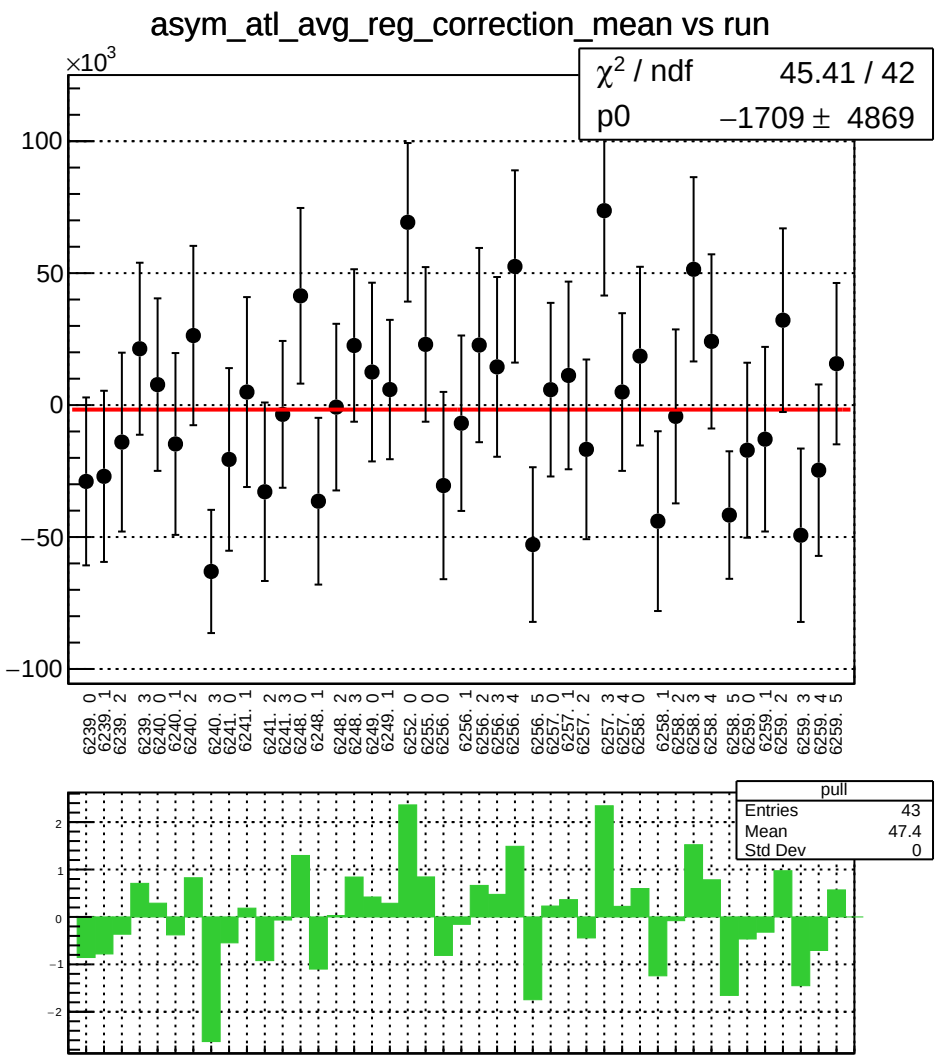

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 33.64 / 42
p0 −3.684e−13 ± 5.108e−13
pull
Entries 43
Mean 84.23
Std Dev 0

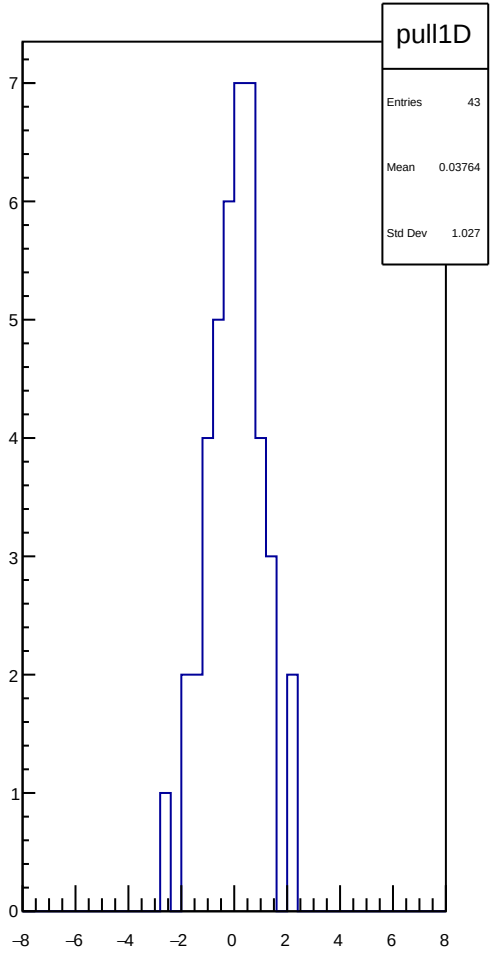

pull1D
Entries 43
Mean −0.02513
Std Dev 0.8841

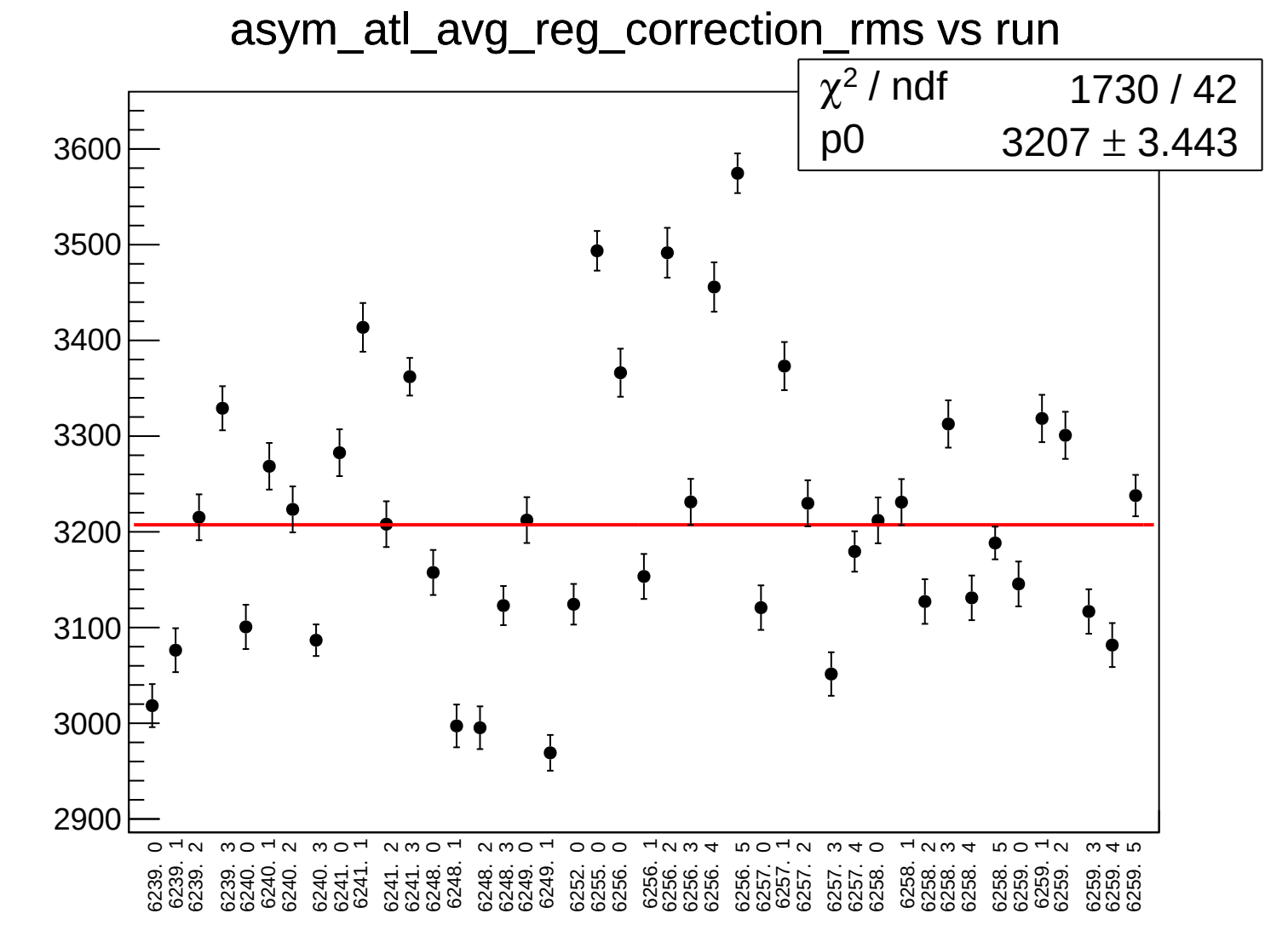

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.535e+05 / 42
p0 2.594e−10 ± 3.612e−13
3
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

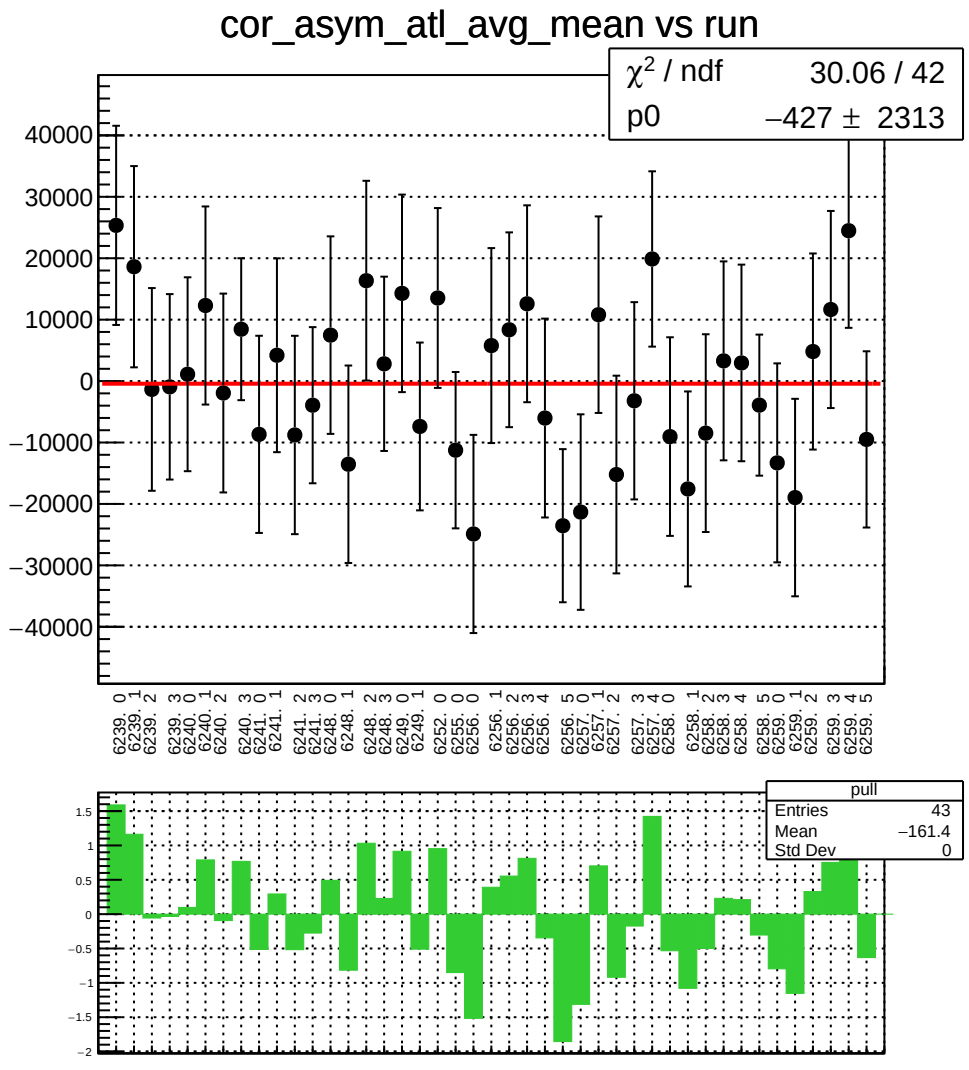

reg_asym_atl_avg_mean vs run
χ² / ndf 30.06 / 42
p0 −426.9 ± 2313
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −161.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01208
Std Dev 0.836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

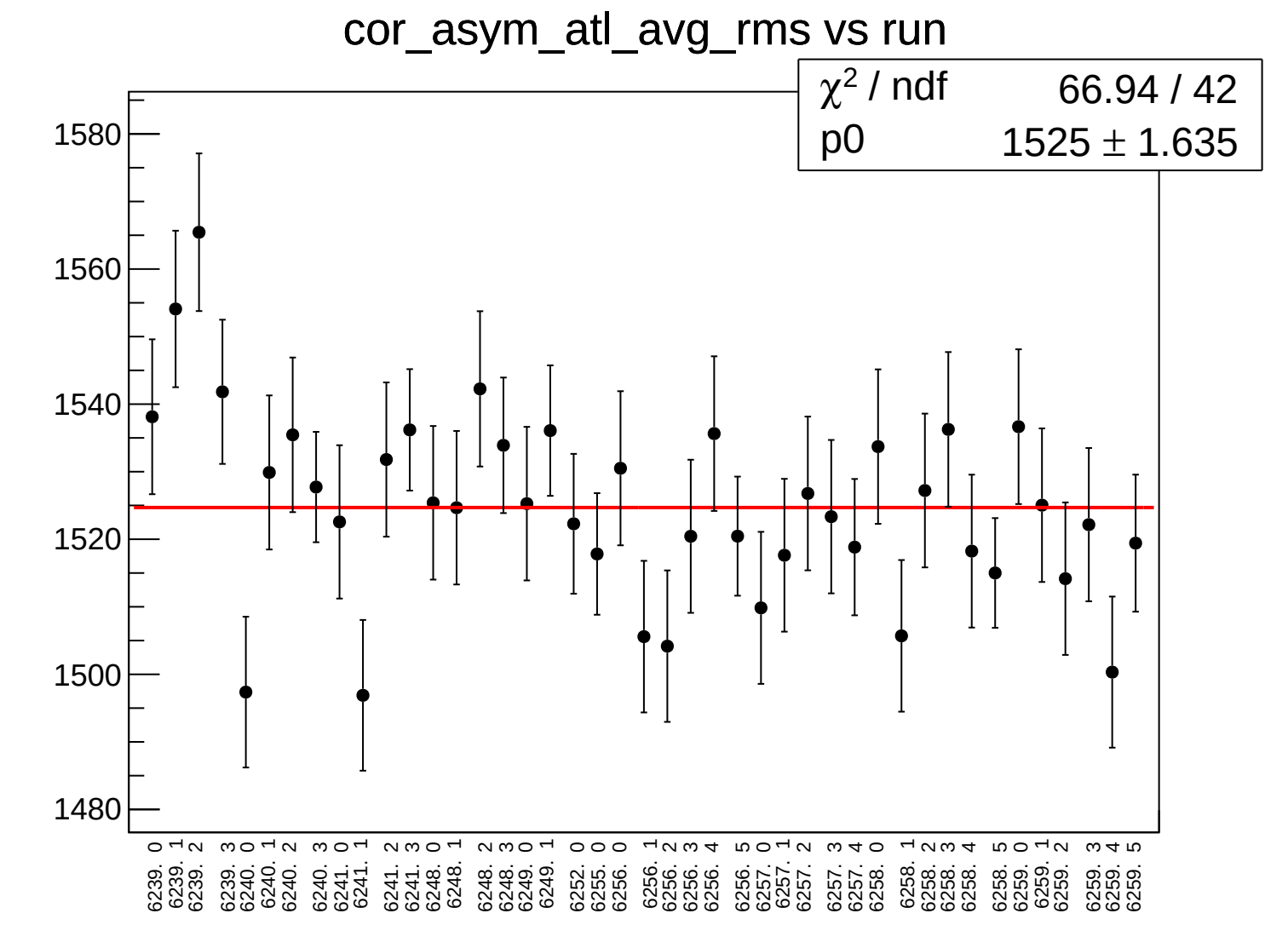

reg_asym_atl_avg_rms vs run
χ² / ndf 66.94 / 42
p0 1525 ± 1.635
1580
1560
1540
1520
1500
1480
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

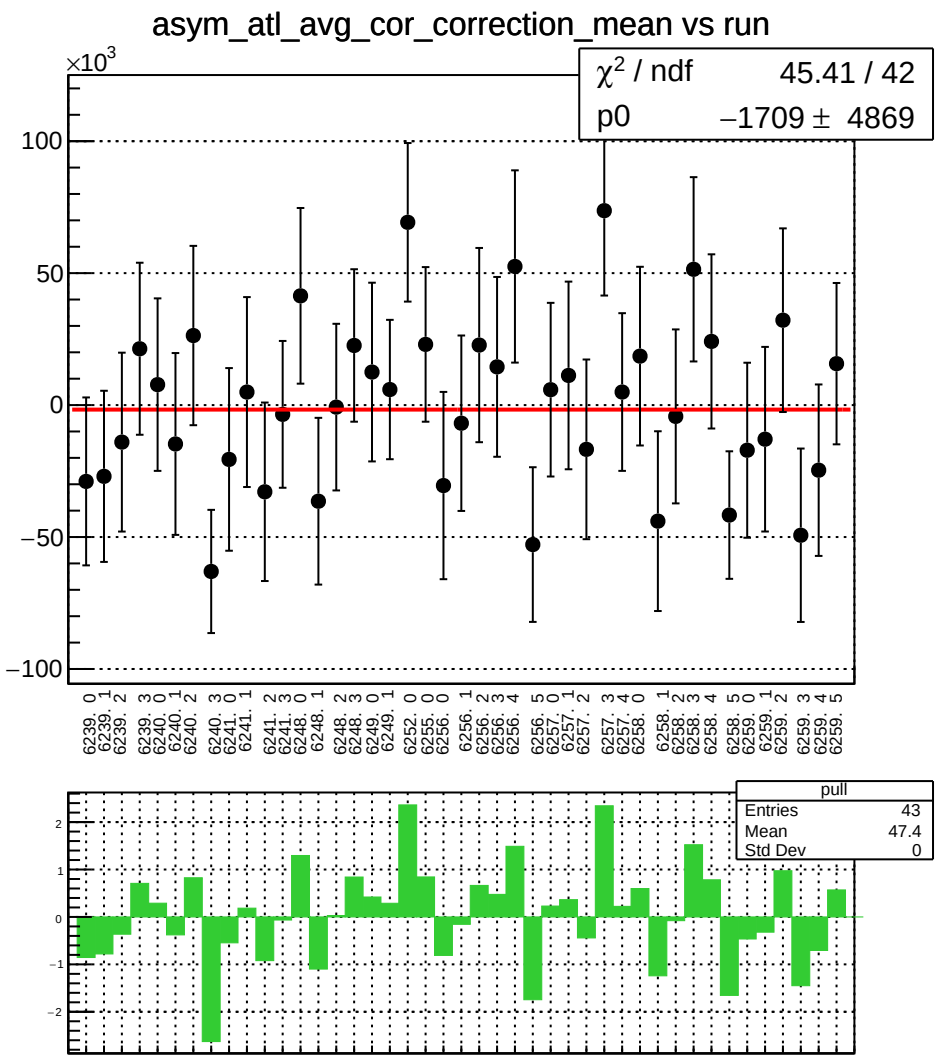

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 45.41 / 42
p0 −1709 ± 4869
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.4
Std Dev 0
2
1
0
−1
−2

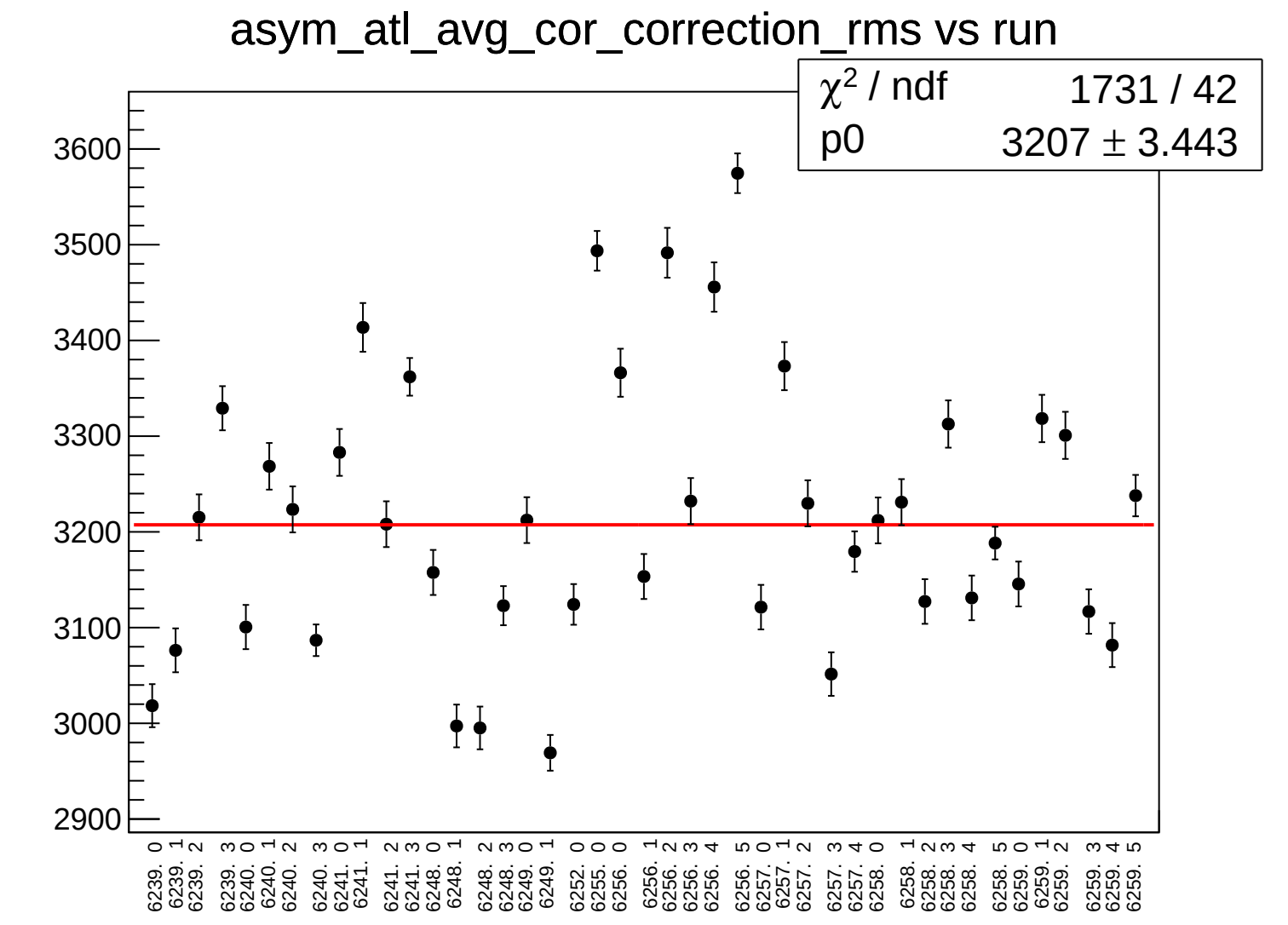

pull1D
Entries 43
Mean 0.03764
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

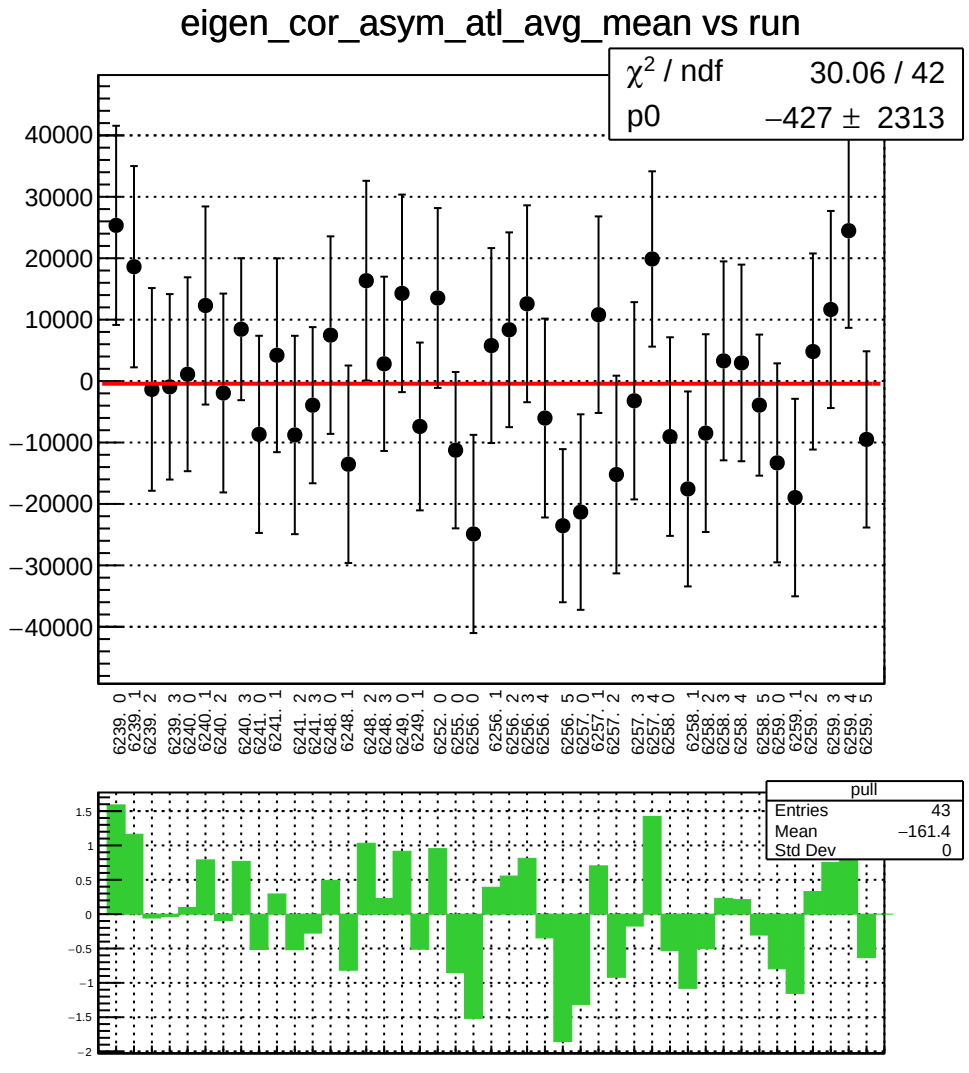

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1730 / 42
p0 3207 ± 3.443
3600
3500
3400
3300
3200
3100
3000
2900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

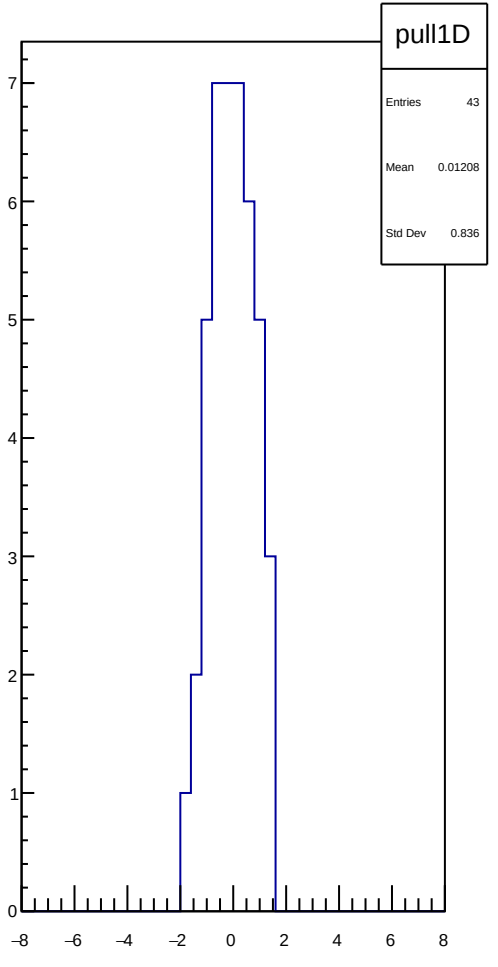

cor_asym_atl_avg_mean vs run
χ² / ndf 30.06 / 42
p0 −427 ± 2313
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −161.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01208
Std Dev 0.836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

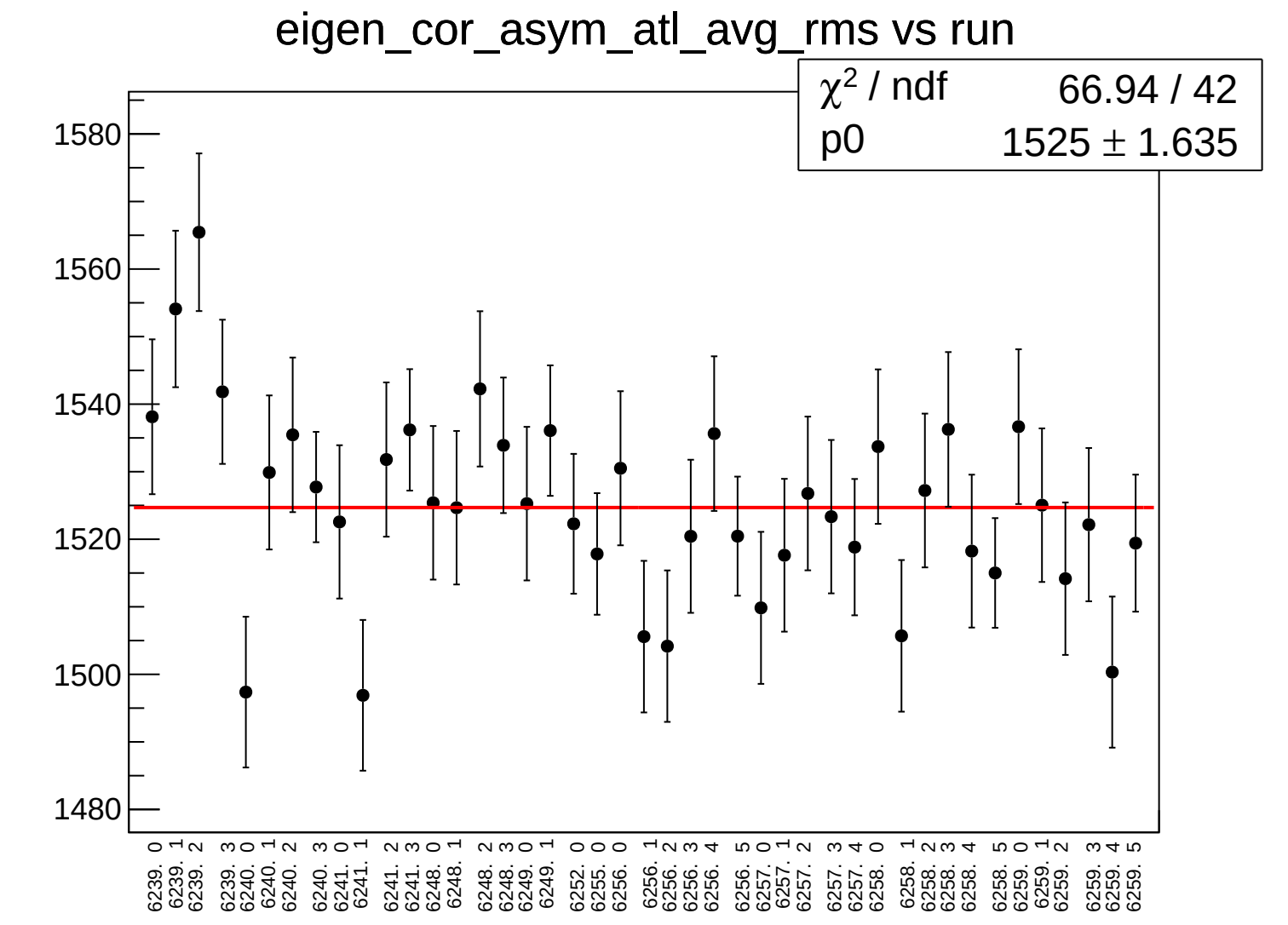

cor_asym_atl_avg_rms vs run
χ² / ndf 66.94 / 42
p0 1525 ± 1.635
1580
1560
1540
1520
1500
1480
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

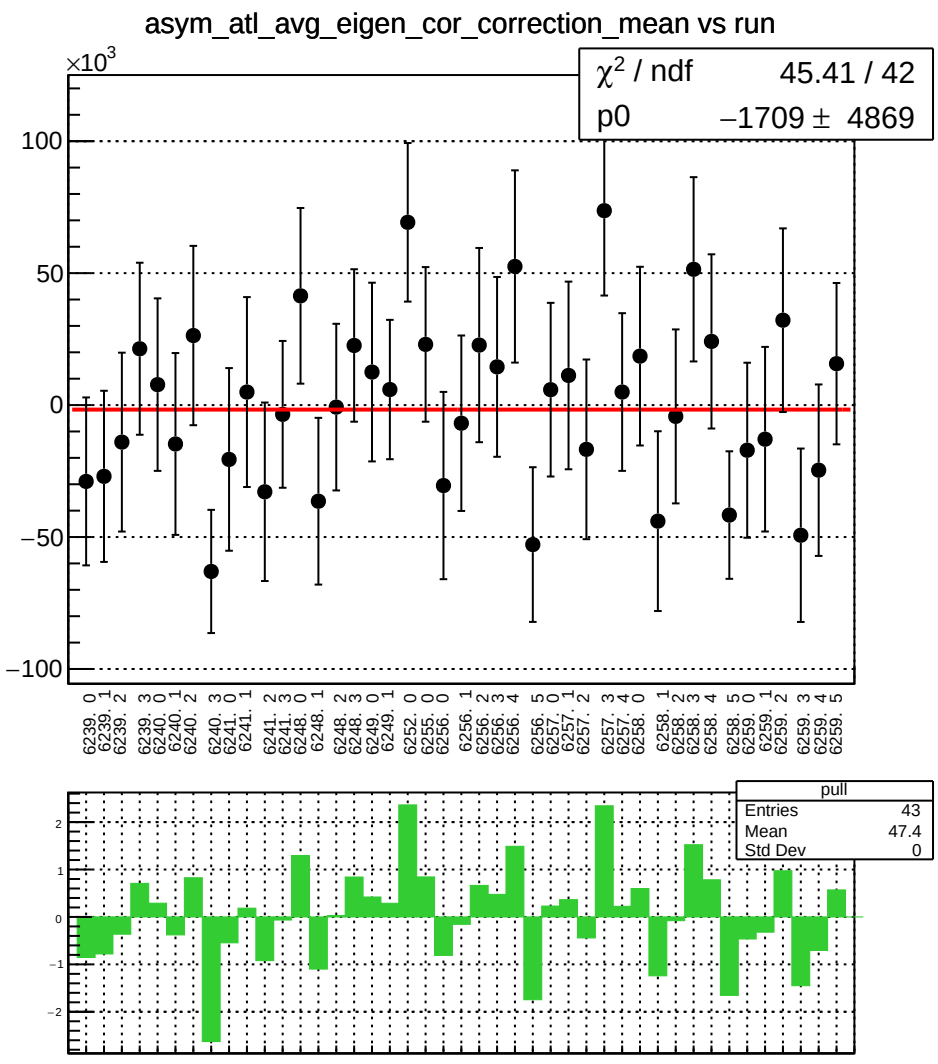

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 45.41 / 42
p0 −1709 ± 4869
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03764
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

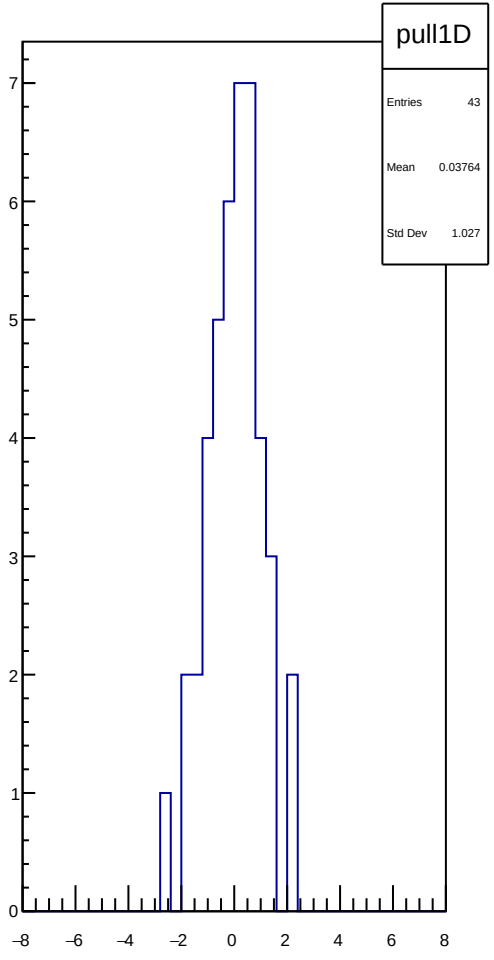

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1731 / 42
p0 3207 ± 3.443
3600
3500
3400
3300
3200
3100
3000
2900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

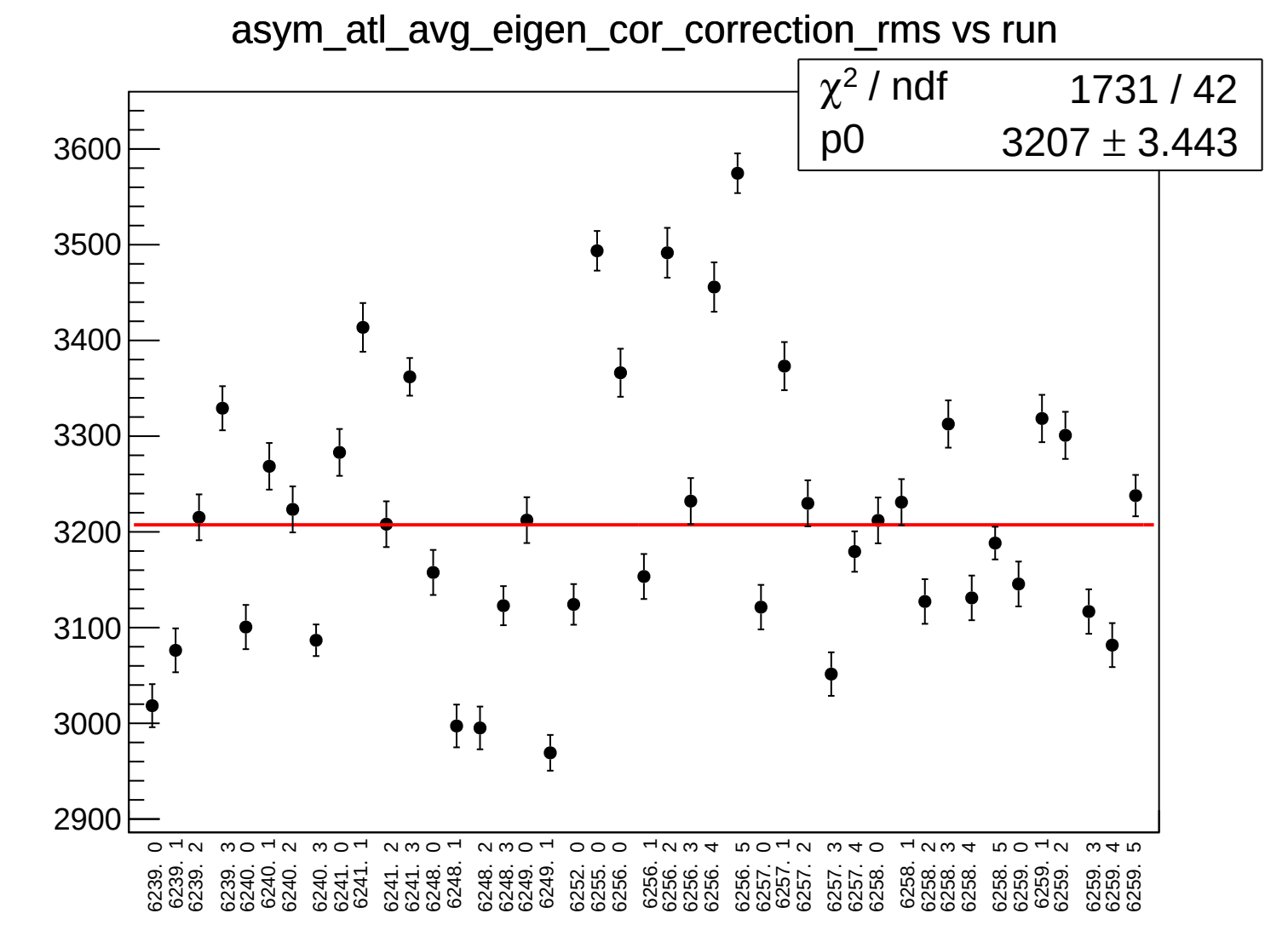

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 30.06 / 42
p0 −427 ± 2313
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −161.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

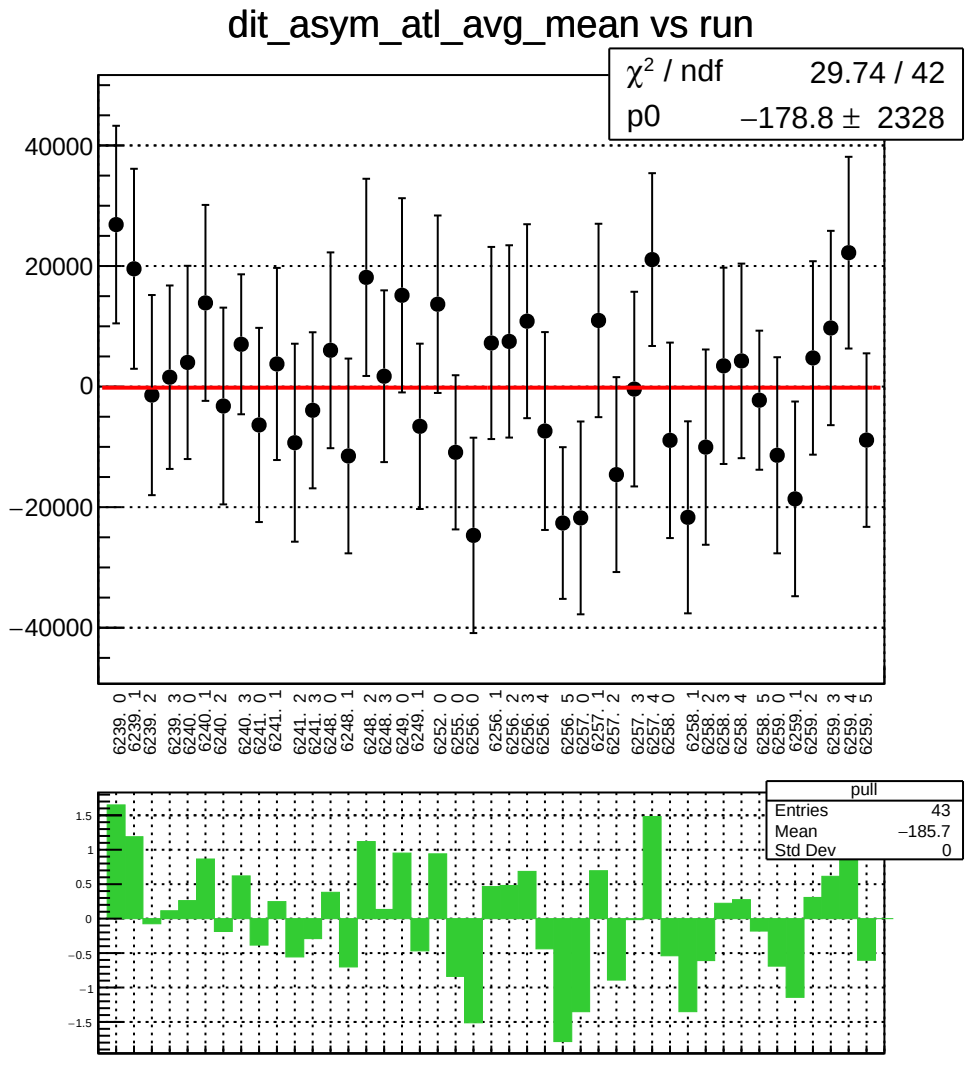

pull1D
Entries 43
Mean 0.01208
Std Dev 0.836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

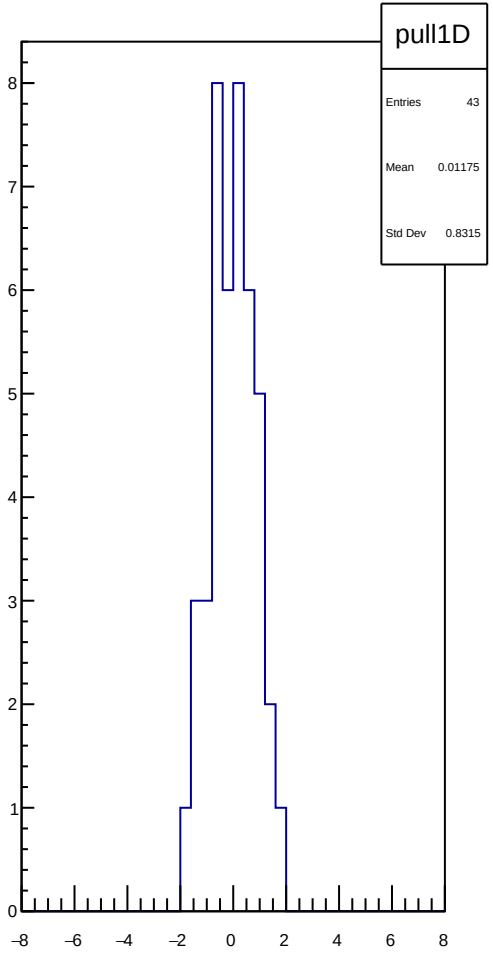

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 66.94 / 42
p0 1525 ± 1.635
1580
1560
1540
1520
1500
1480
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

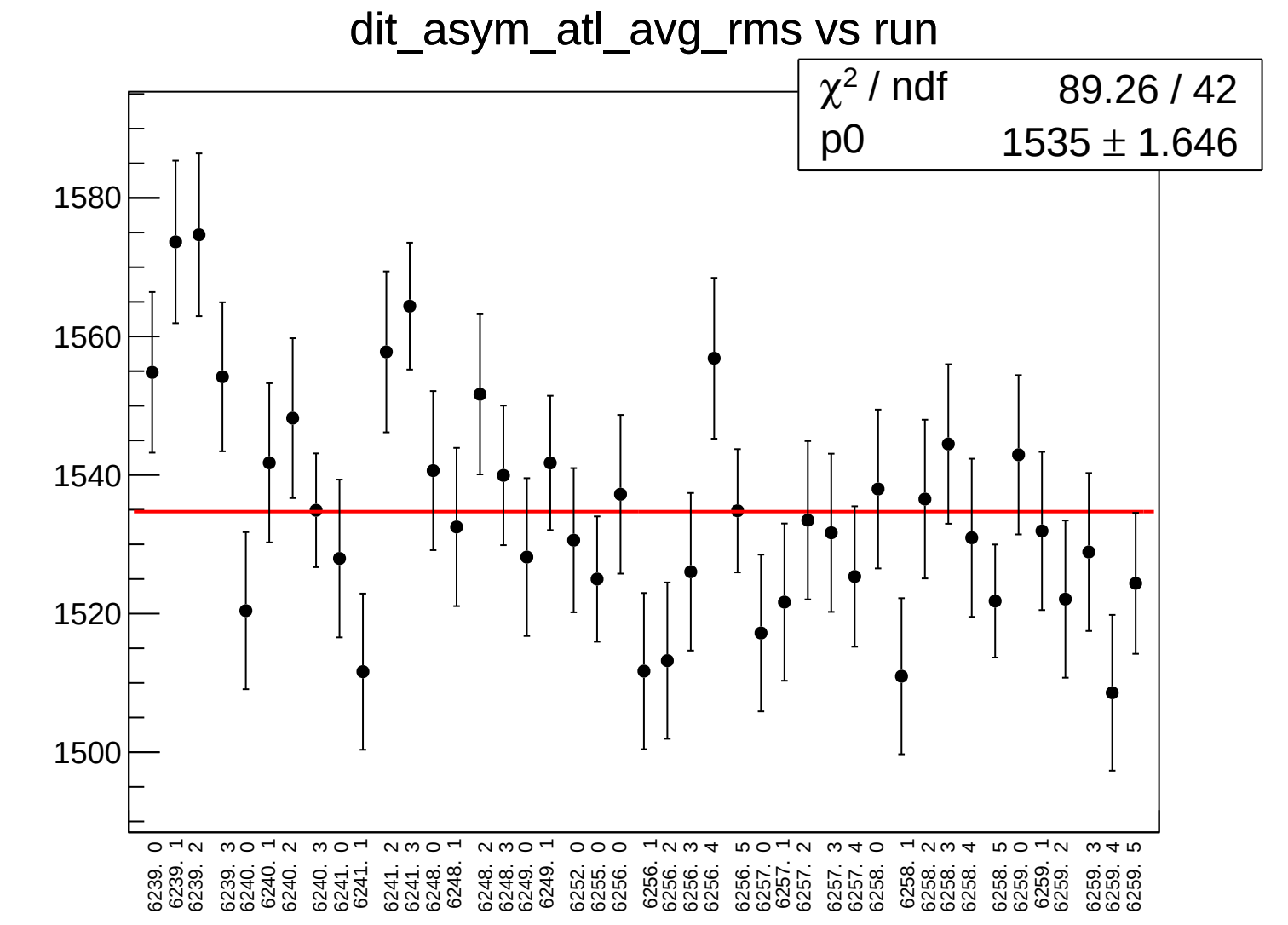

asym_atl_avg_eigen_cor_correction_mean vs run
χ² / ndf 45.41 / 42
p0 −1709 ± 4869
×10³
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.4
Std Dev 0
2
1
0
−1
−2

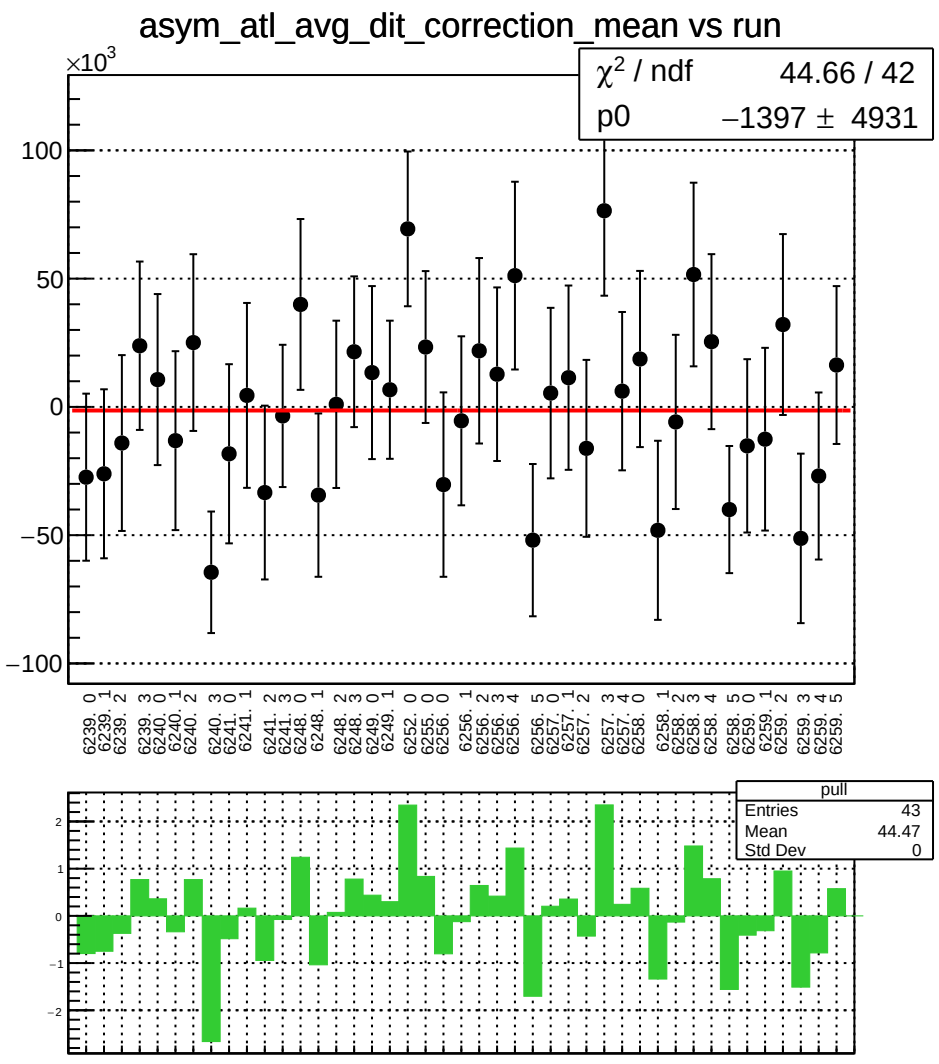

pull1D
Entries 43
Mean 0.03764
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

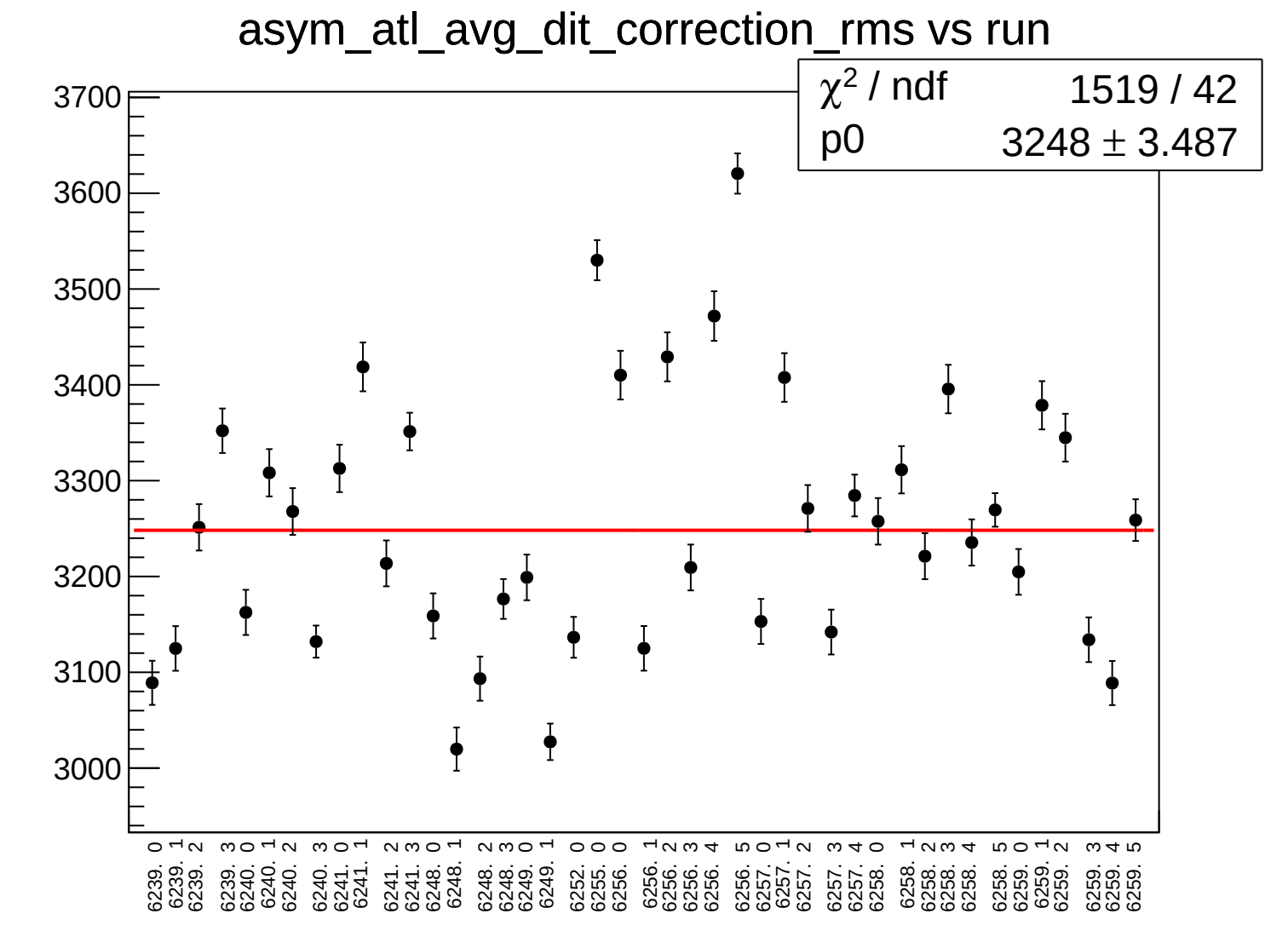

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1731 / 42
p0 3207 ± 3.443
3600
3500
3400
3300
3200
3100
3000
2900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

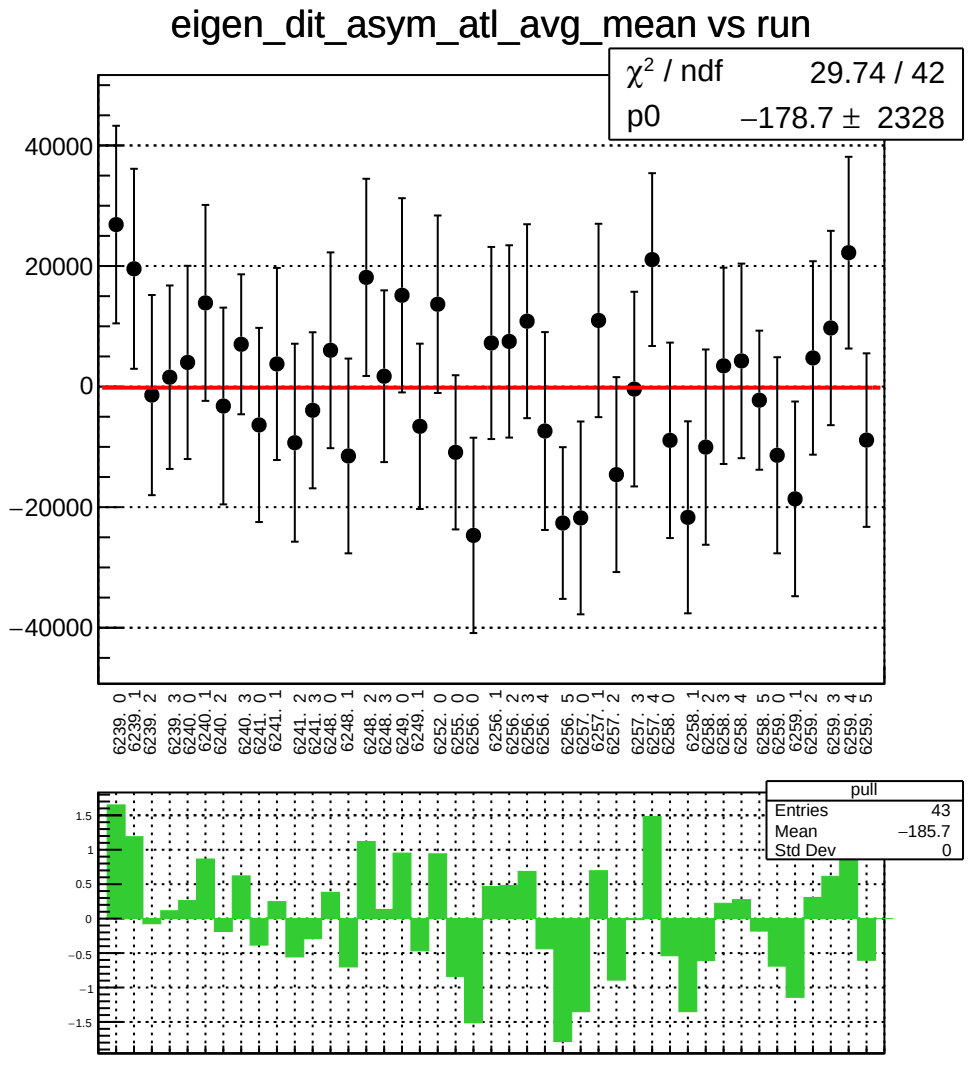

dit_asym_atl_avg_mean vs run
χ² / ndf 29.74 / 42
p0 −178.8 ± 2328
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −185.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

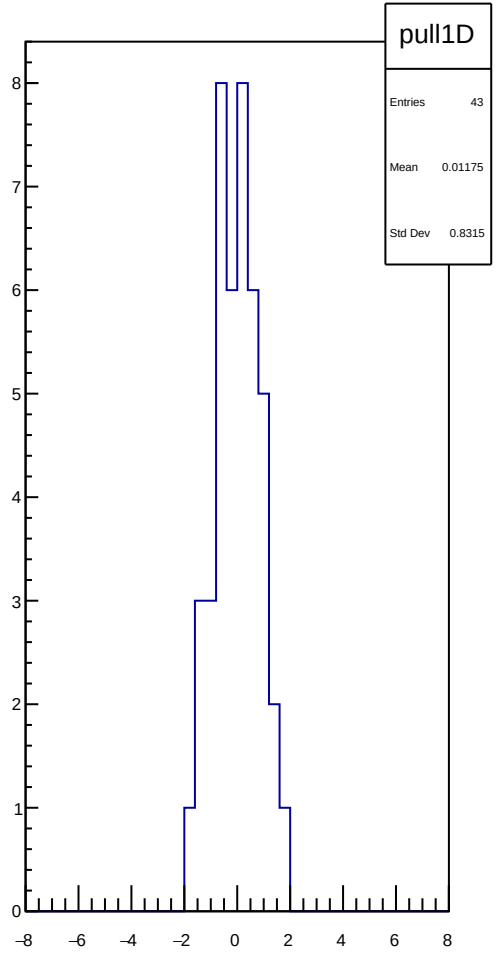

pull1D
Entries 43
Mean 0.01175
Std Dev 0.8315
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

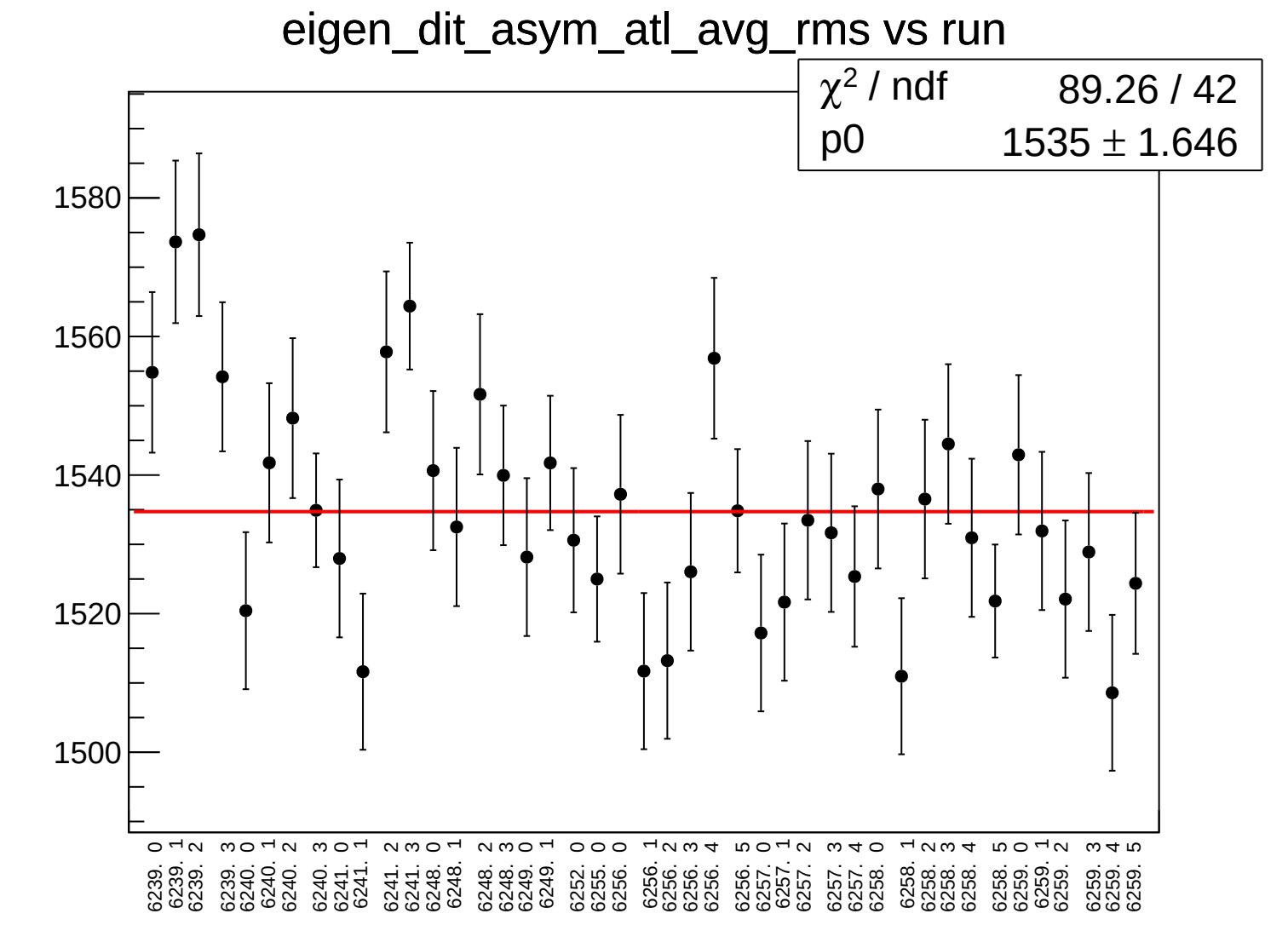

dit_asym_atl_avg_rms vs run
χ² / ndf 89.26 / 42
p0 1535 ± 1.646
1580
1560
1540
1520
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 44.66 / 42
p0 −1397 ± 4931
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03603
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_dit_correction_rms vs run
χ² / ndf 1519 / 42
p0 3248 ± 3.487
3700
3600
3500
3400
3300
3200
3100
3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 29.74 / 42
p0 −178.7 ± 2328
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −185.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean 0.01175
Std Dev 0.8315
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 89.26 / 42
p0 1535 ± 1.646
1580
1560
1540
1520
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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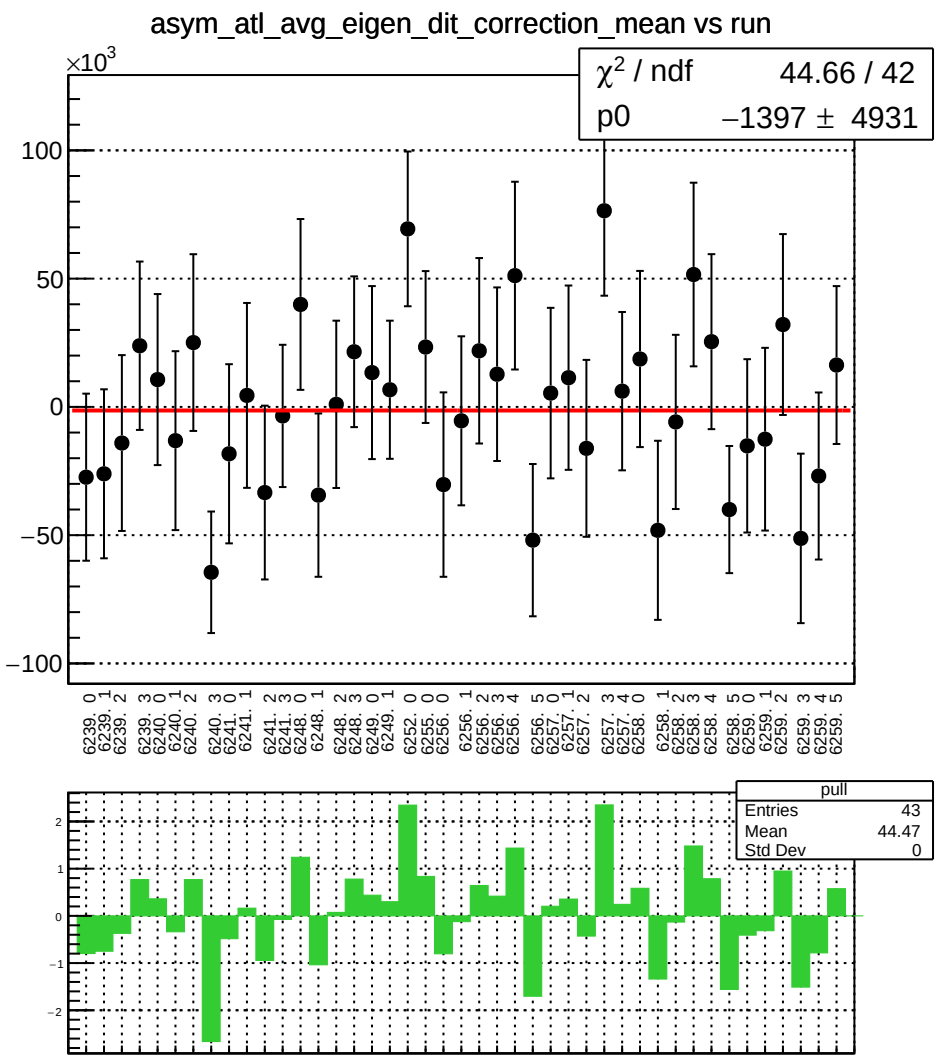
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 44.66 / 42
p0 −1397 ± 4931
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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6256. 5
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6257. 4
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6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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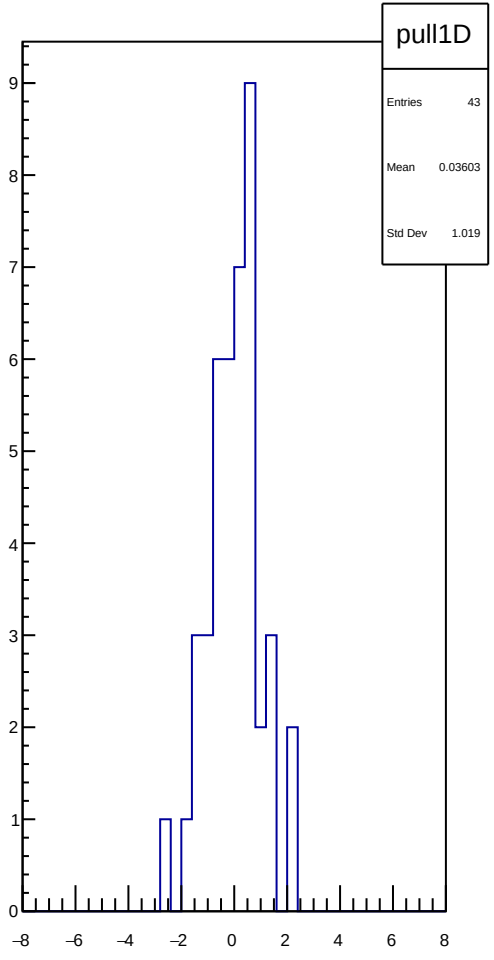
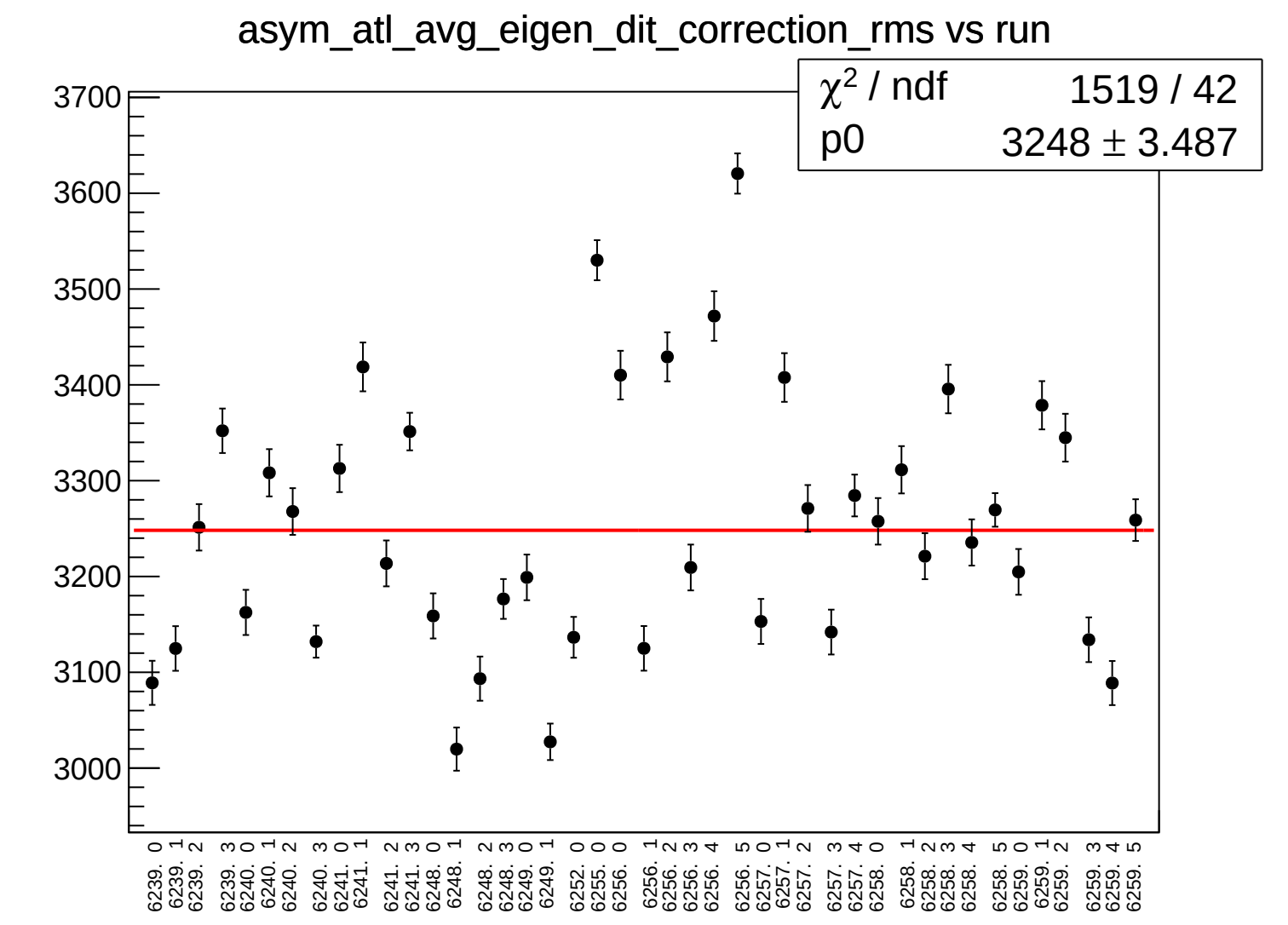
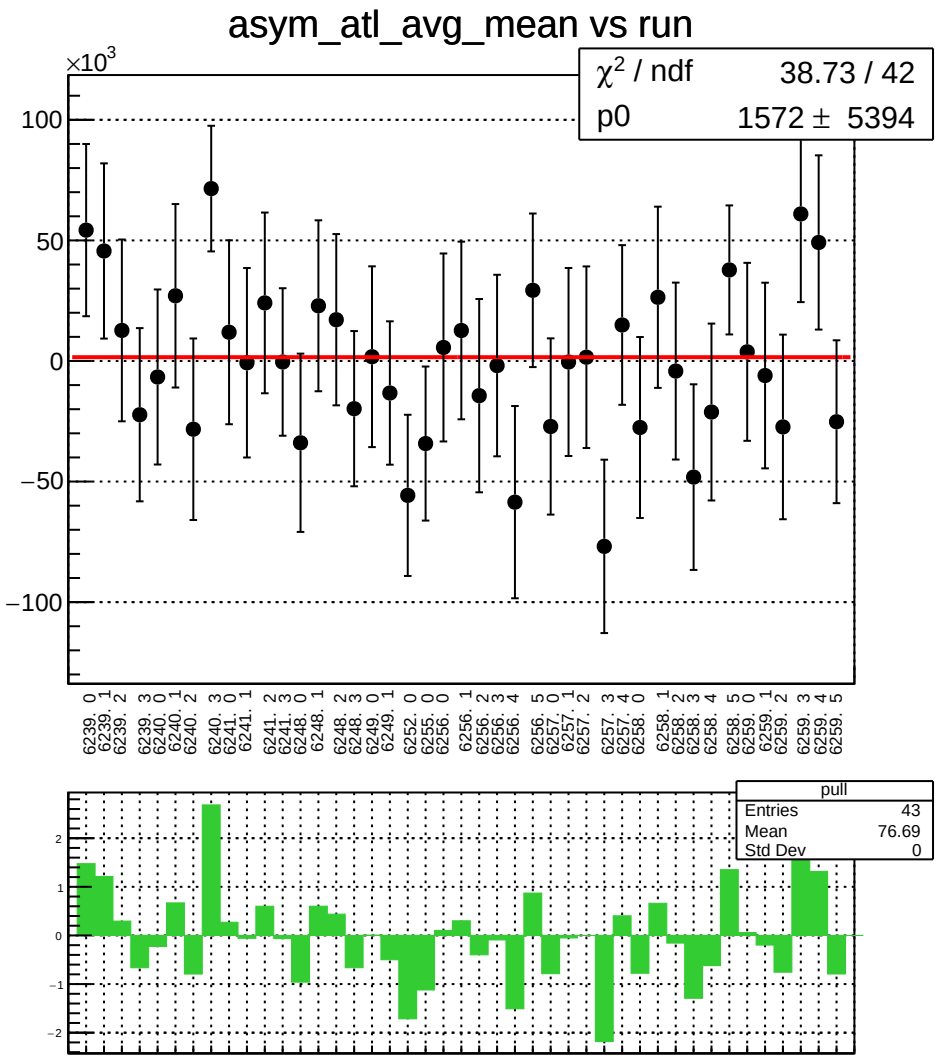
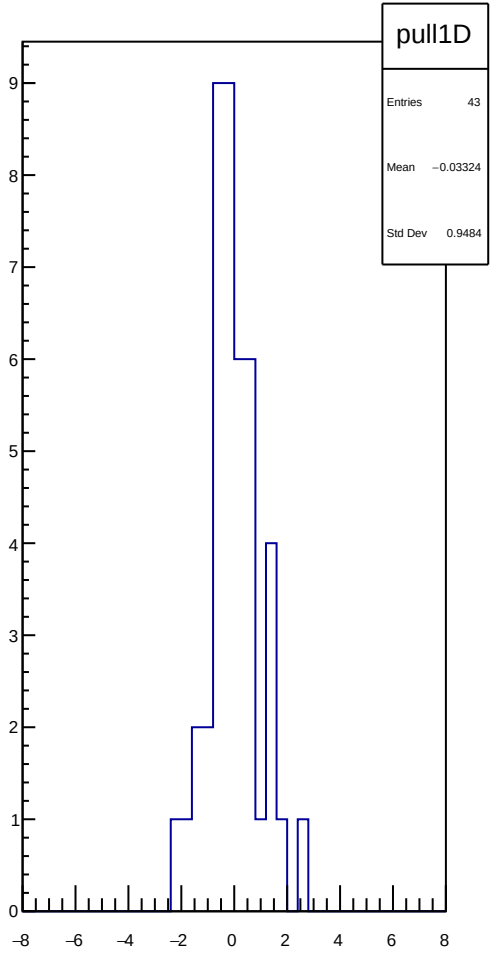
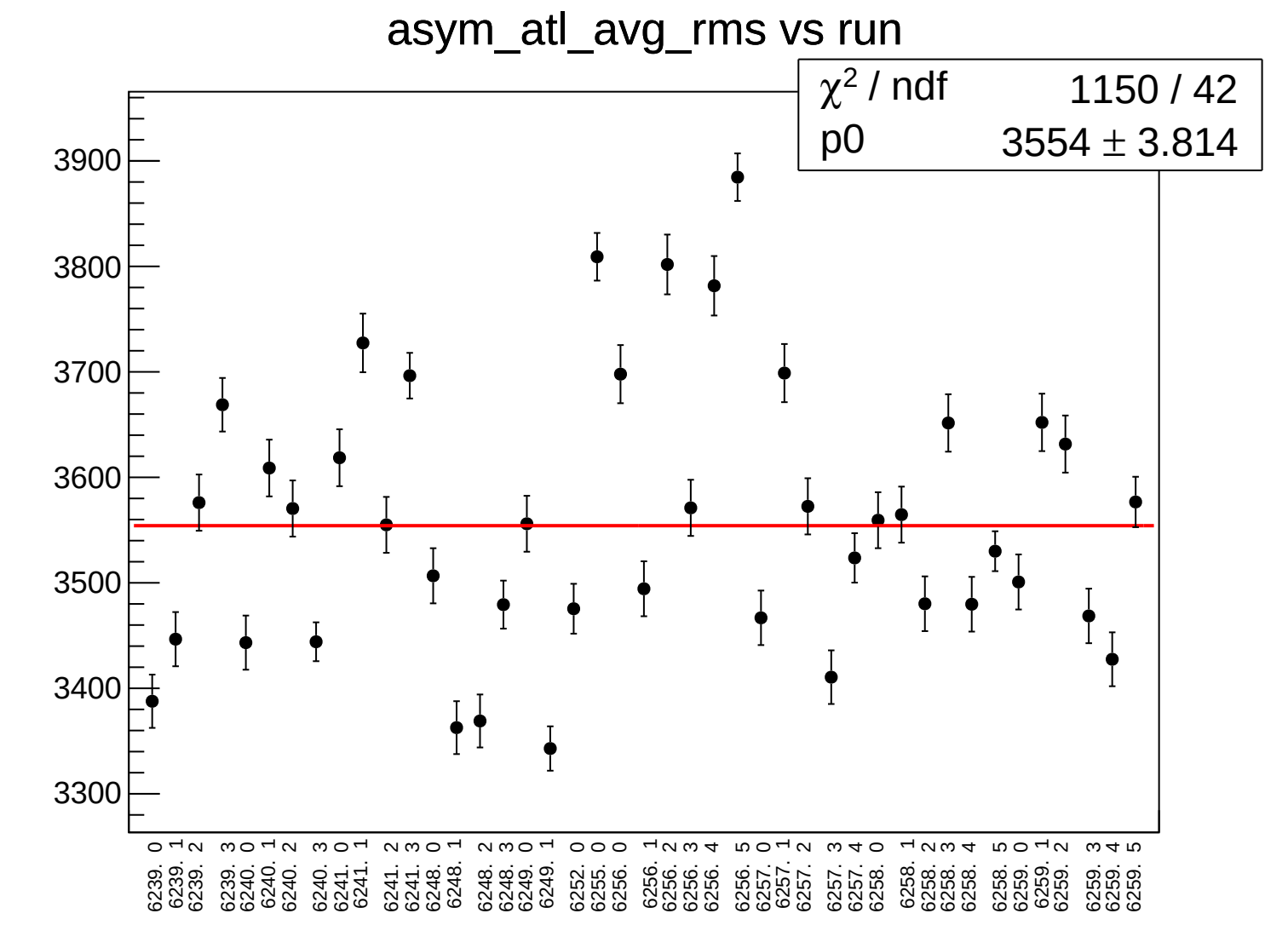
6259. 4
6259. 5
pull
Entries 43
Mean 44.47
Std Dev 0
2
1
0
−1
−2

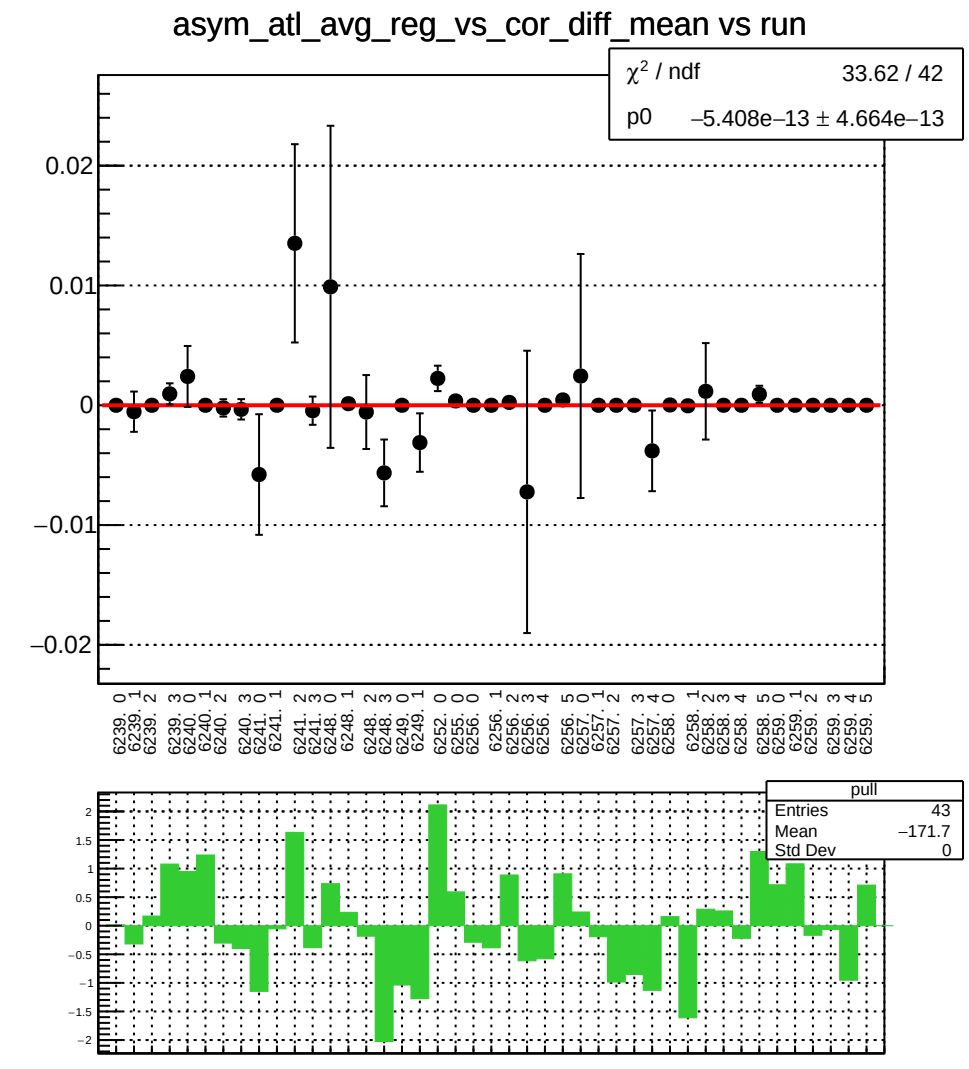

pull1D
Entries 43
Mean 0.03603
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

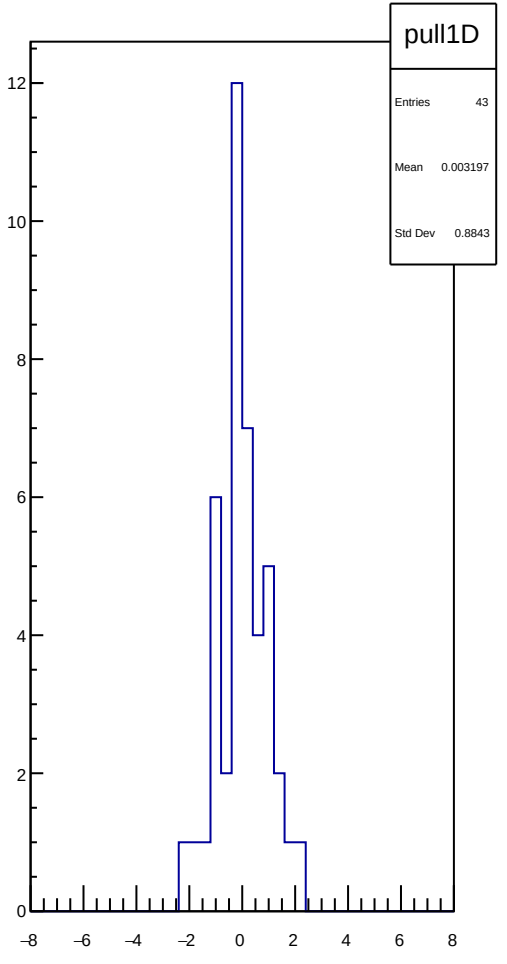

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 1519 / 42
p0 3248 ± 3.487
3700
3600
3500
3400
3300
3200
3100
3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

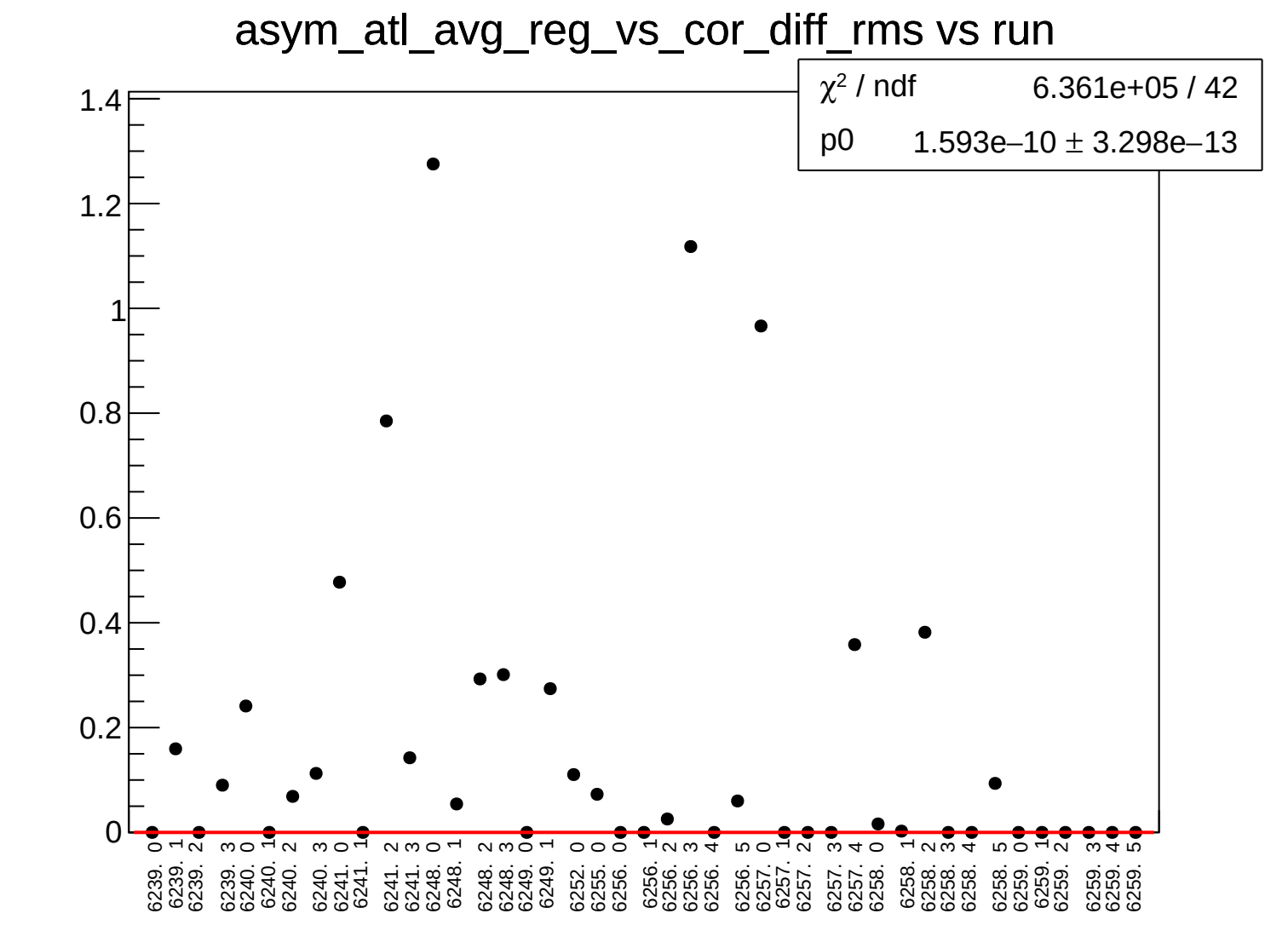

asym_atl_avg_mean vs run
×10^3
χ² / ndf 38.73 / 42
p0 1572 ± 5394
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.69
Std Dev 0
2
1
0
−1
−2

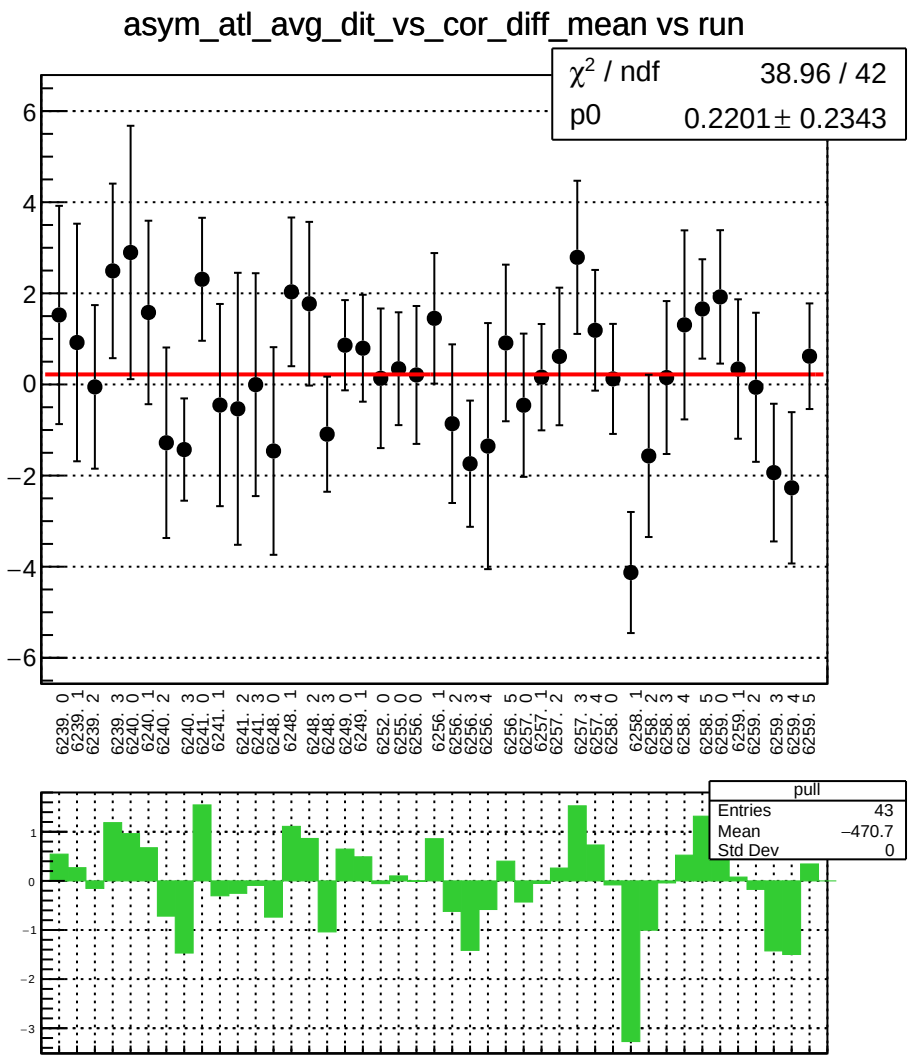

pull1D
Entries 43
Mean −0.03324
Std Dev 0.9484
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

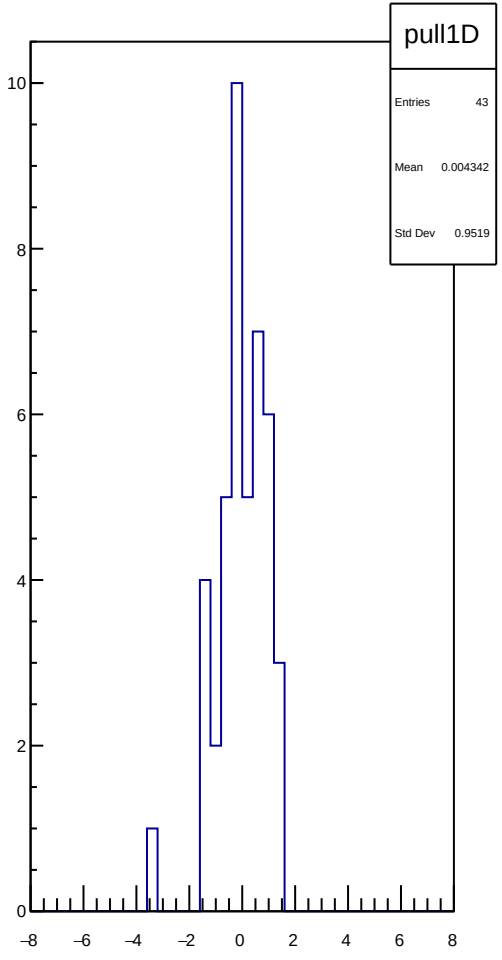

asym_atl_avg_rms vs run
χ² / ndf 1150 / 42
p0 3554 ± 3.814
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

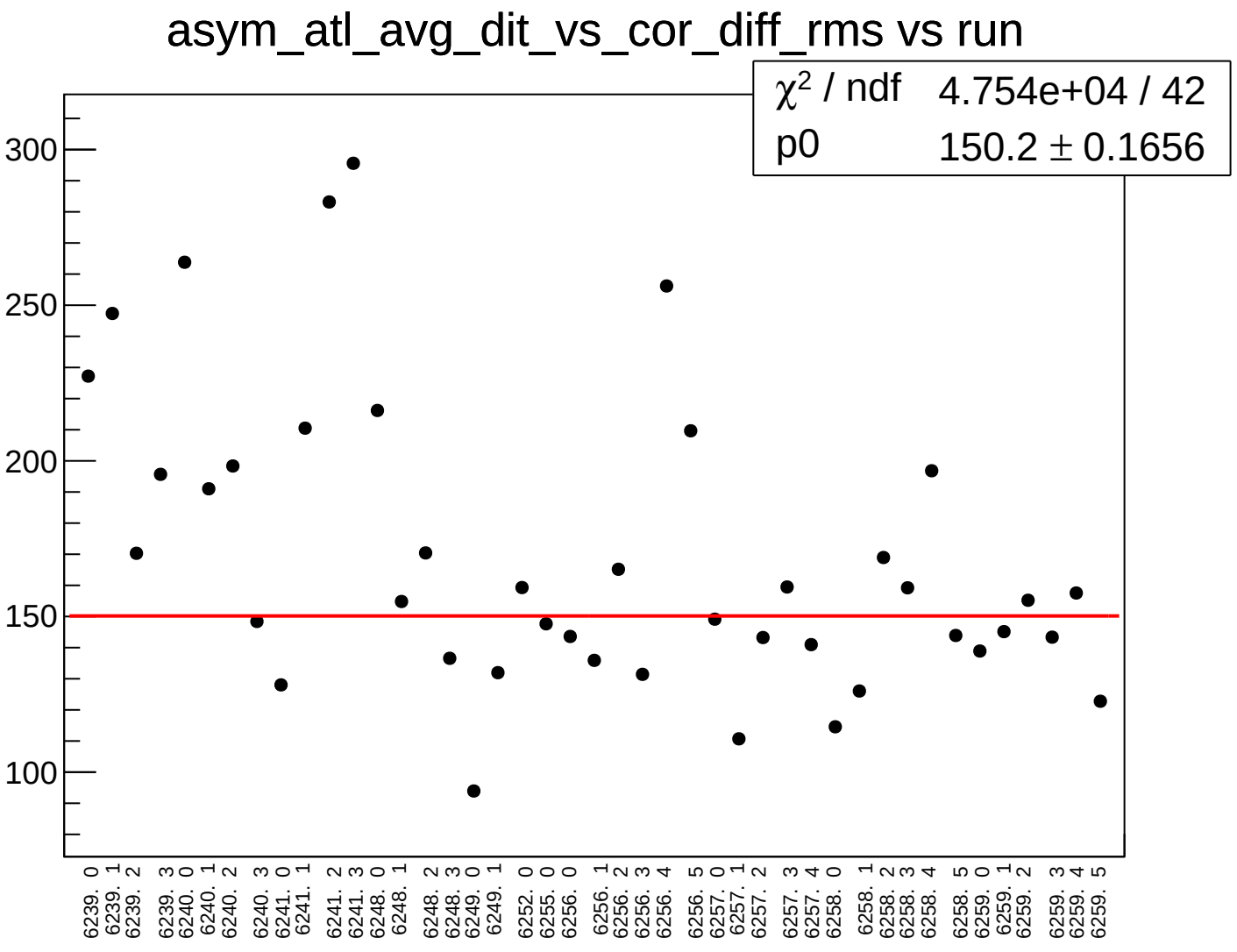

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.62 / 42
p0 −5.408e−13 ± 4.664e−13
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −171.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

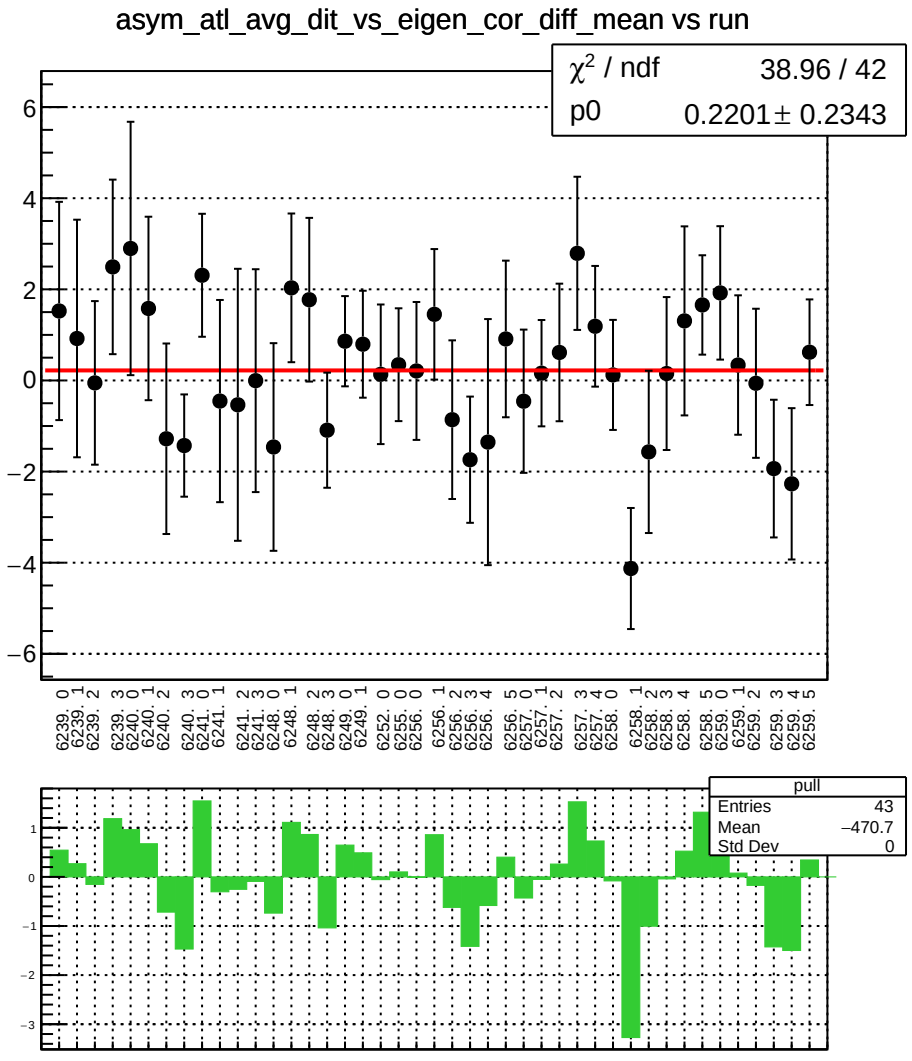

pull1D
Entries 43
Mean 0.003197
Std Dev 0.8843
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

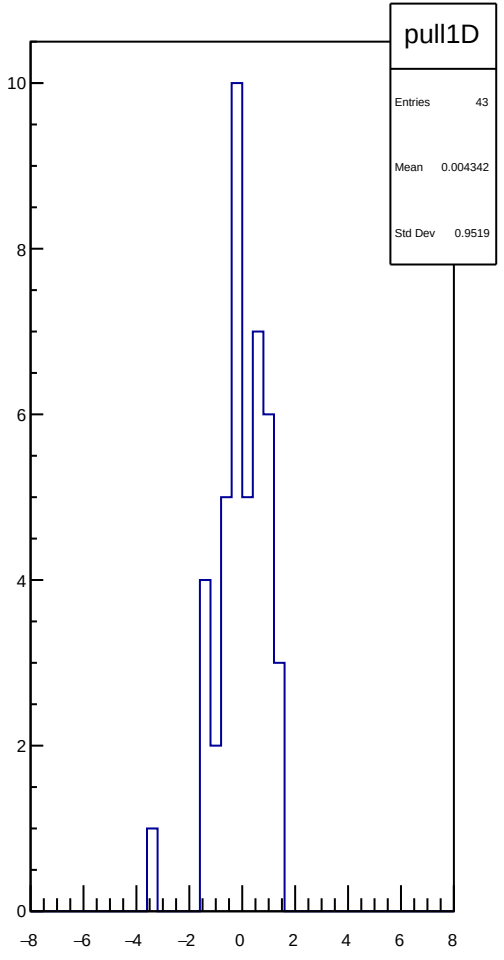

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.361e+05 / 42
p0 1.593e−10 ± 3.298e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

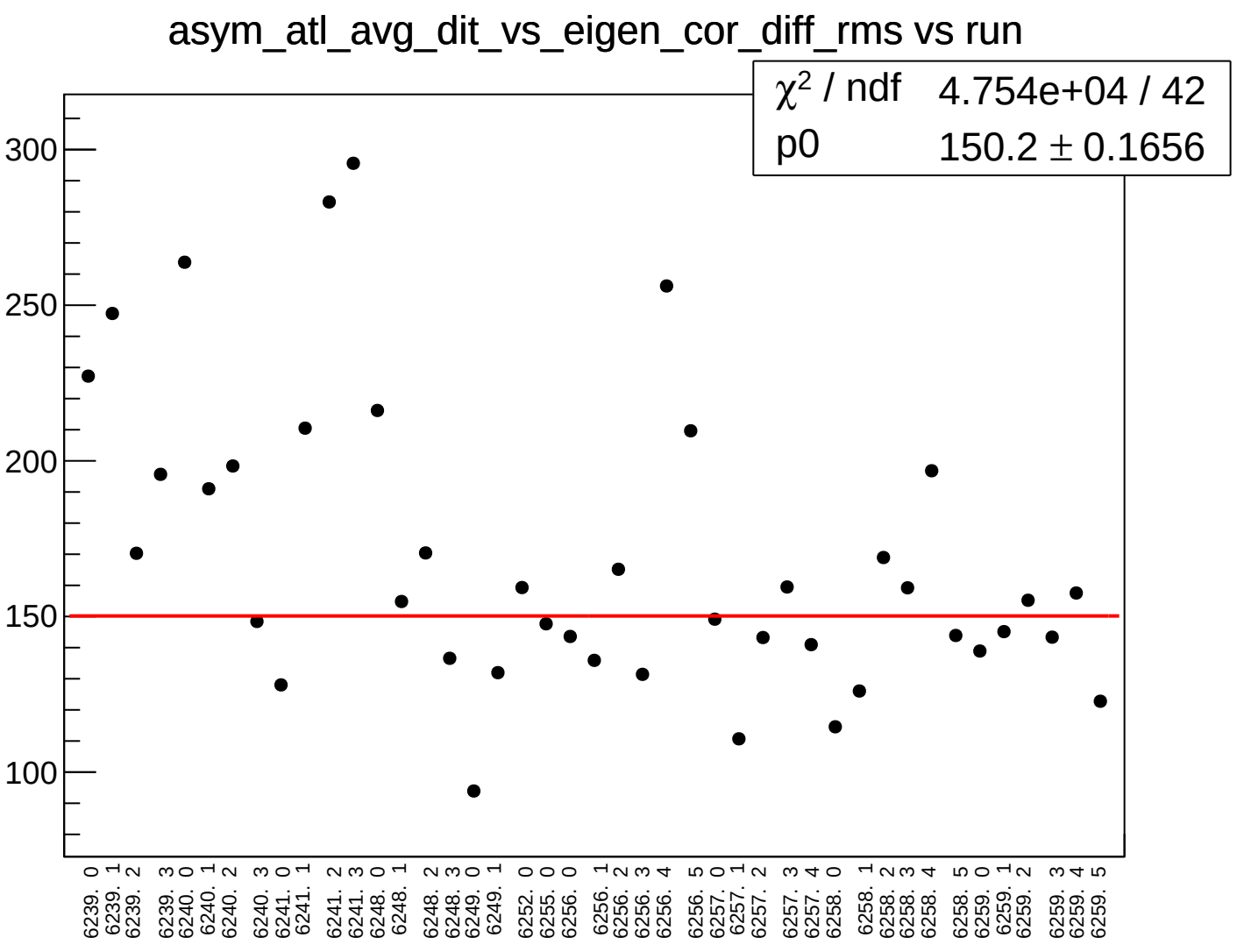

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.2201 ± 0.2343
pull
Entries 43
Mean −470.7
Std Dev 0

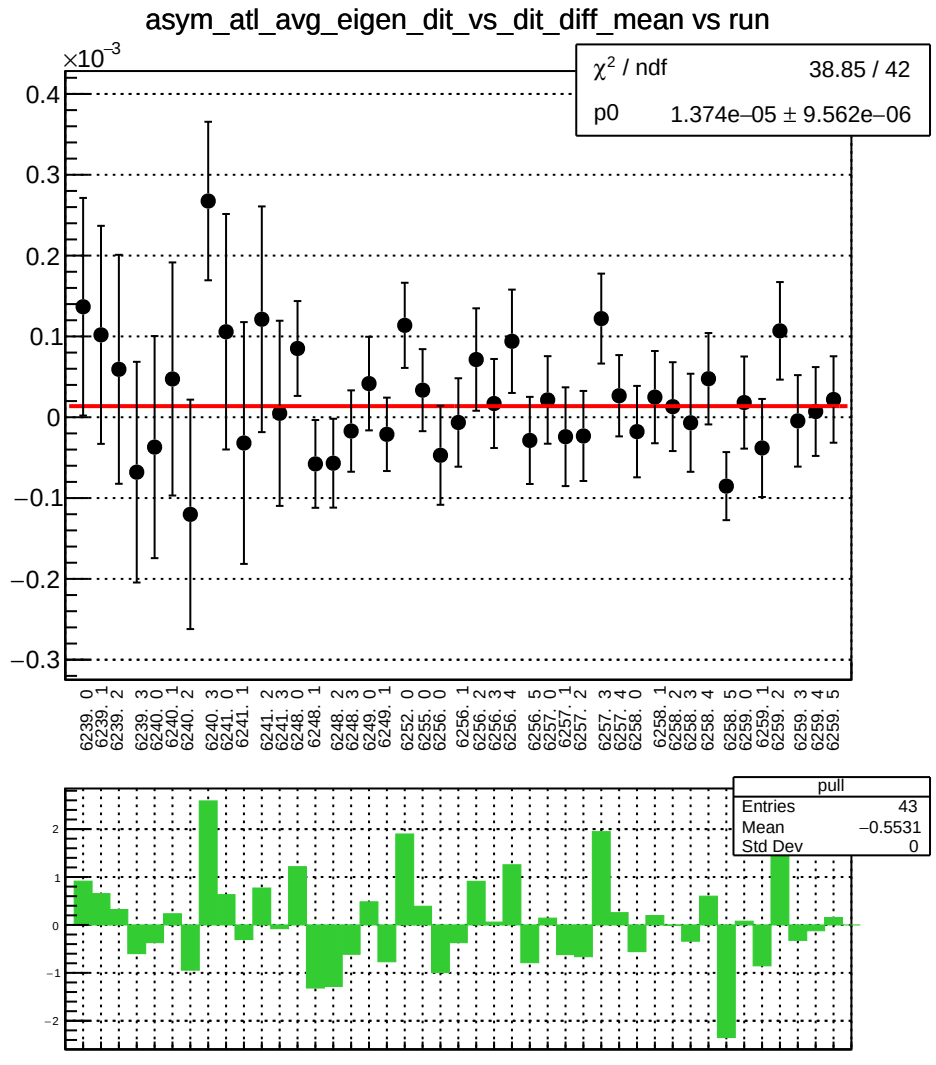

pull1D
Entries 43
Mean 0.004342
Std Dev 0.9519

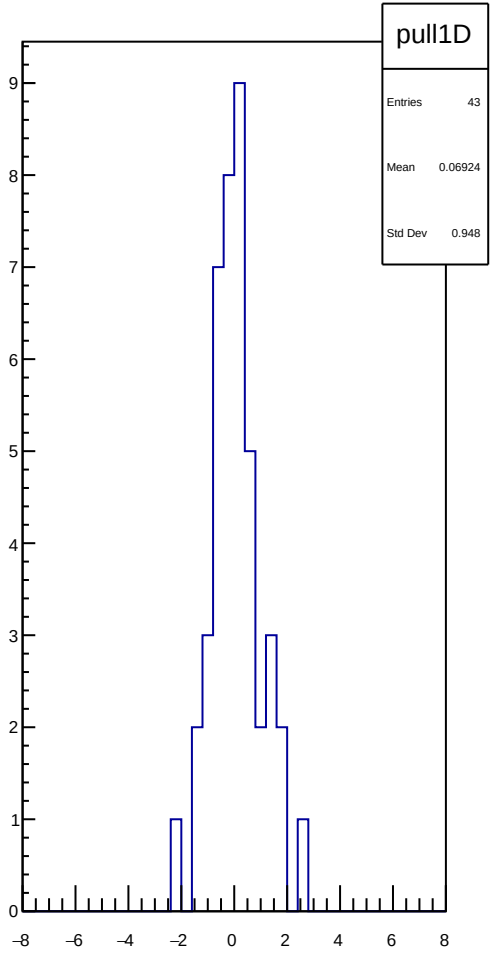

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.754e+04 / 42
p0 150.2 ± 0.1656
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

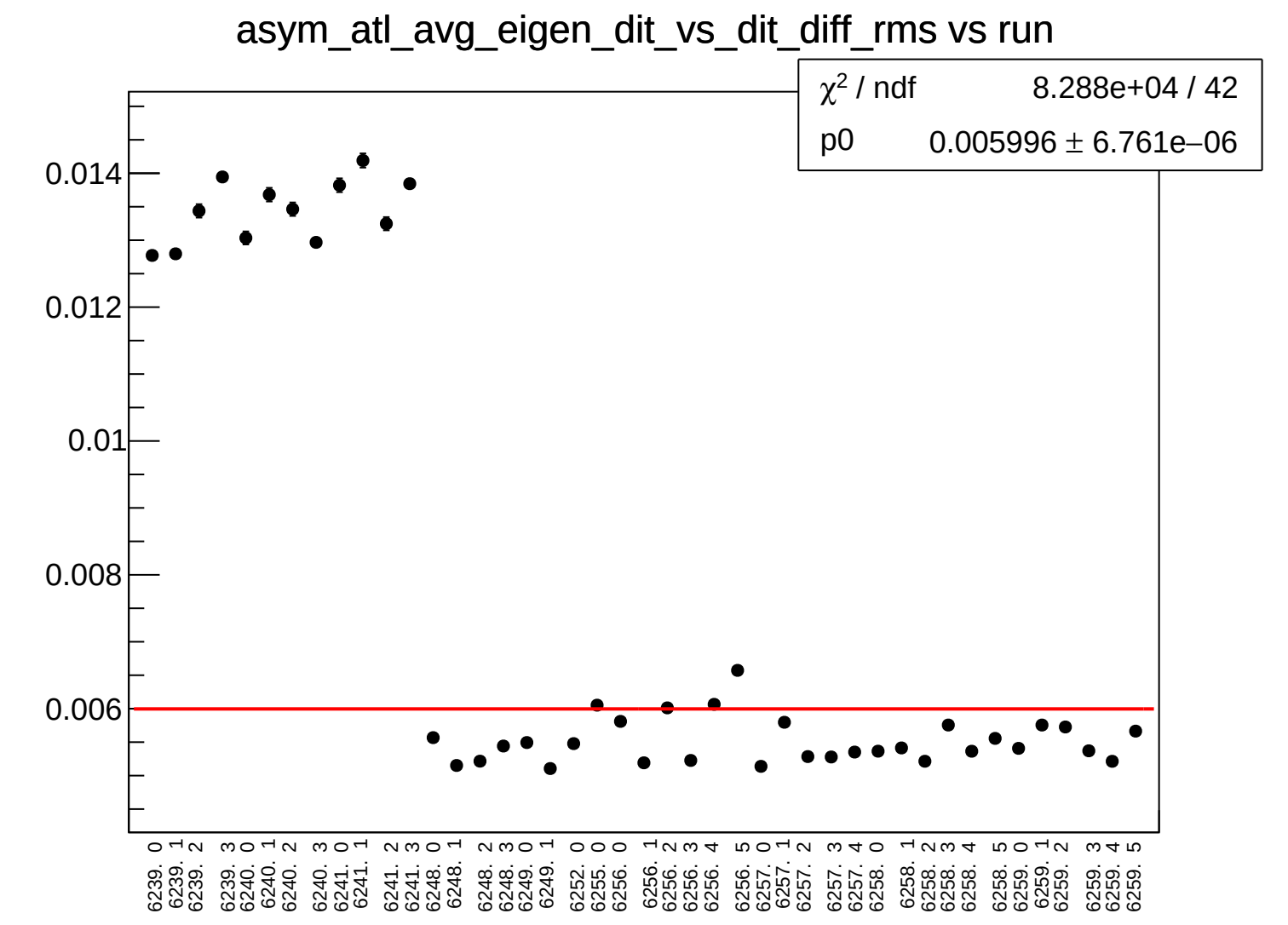

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.2201 ± 0.2343
pull
Entries 43
Mean −470.7
Std Dev 0

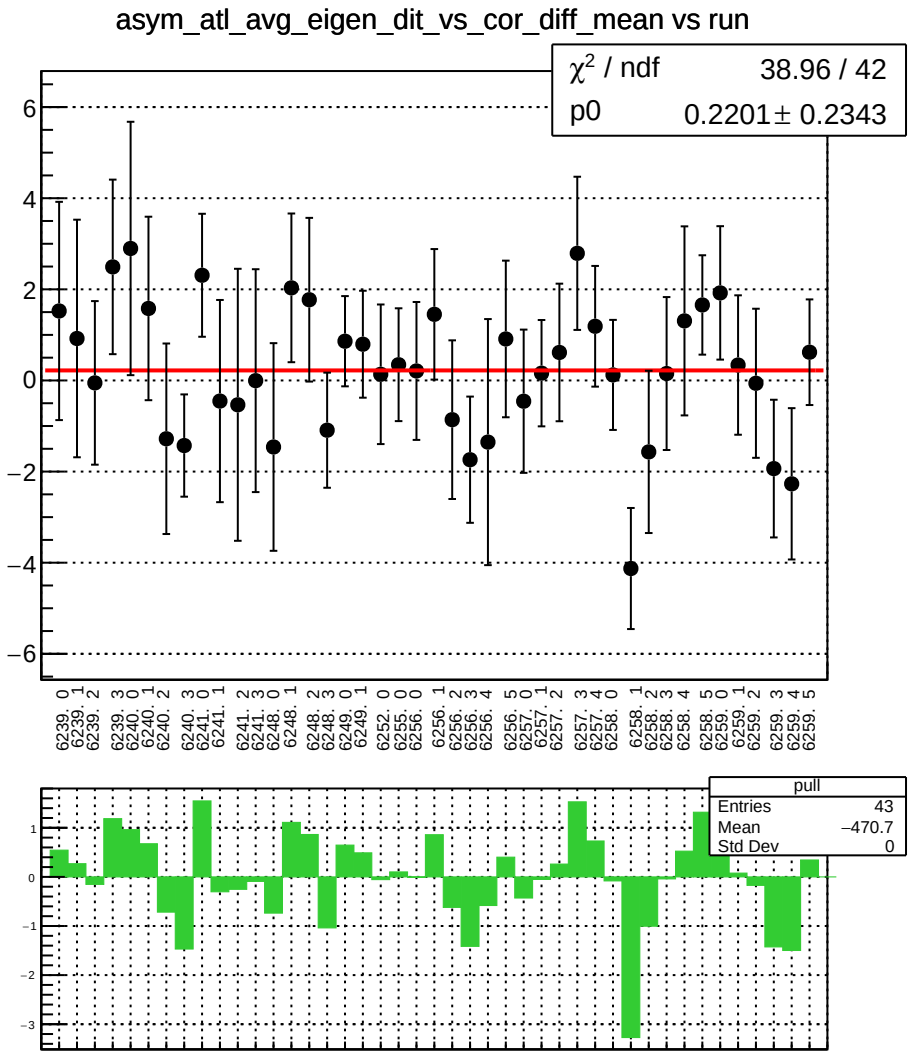

pull1D
Entries 43
Mean 0.004342
Std Dev 0.9519

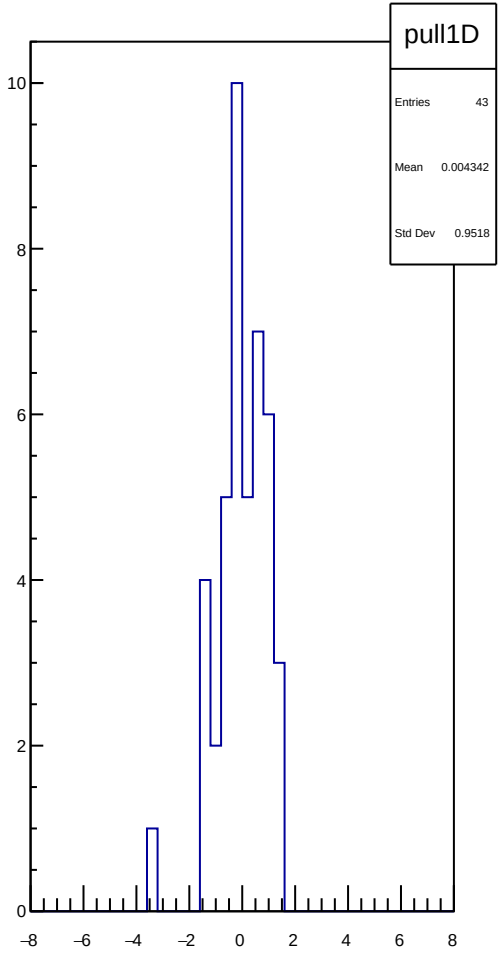

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.754e+04 / 42
p0 150.2 ± 0.1656
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

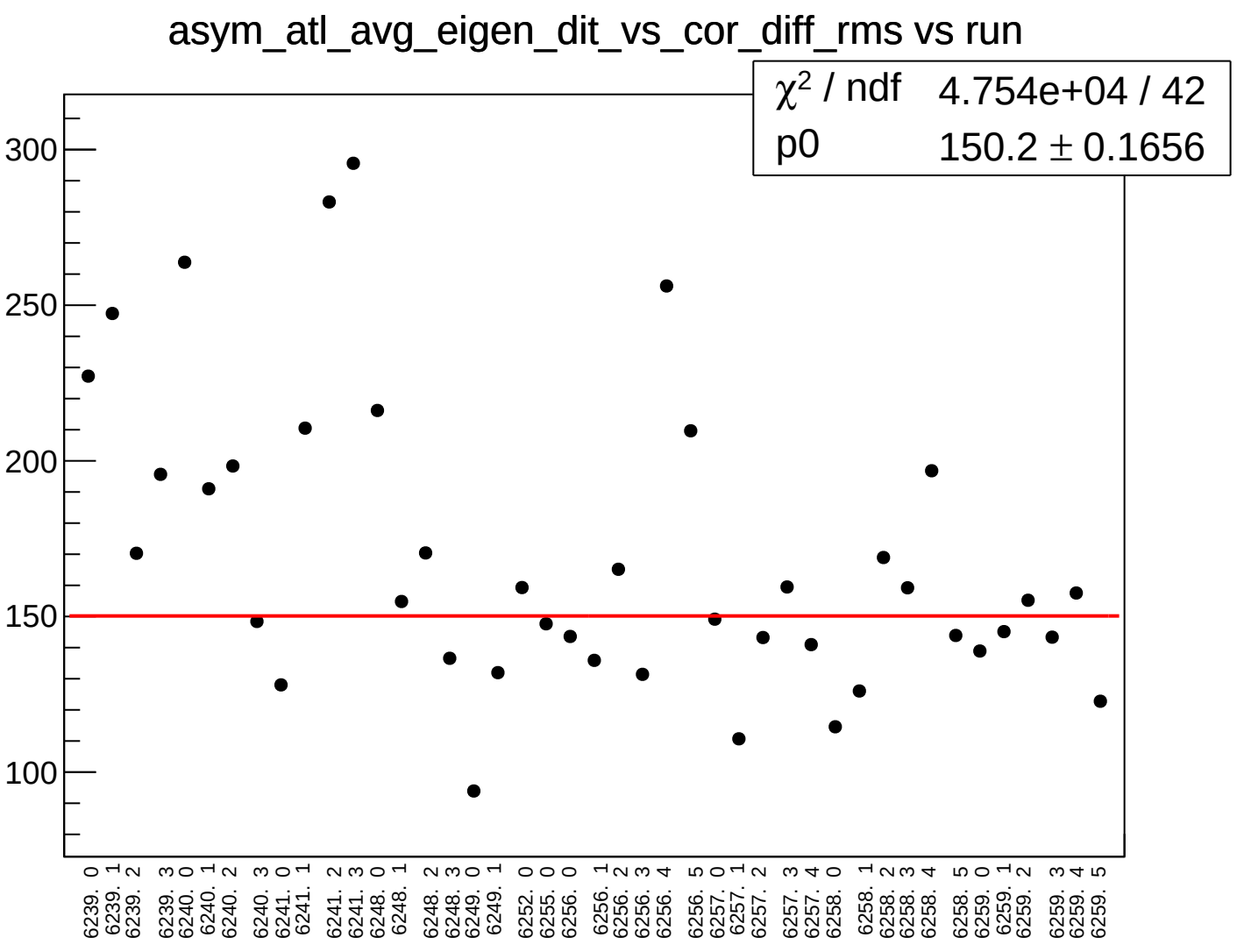

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.85 / 42
p0 1.374e−05 ± 9.562e−06
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.5531
Std Dev 0
2
1
0
−1
−2

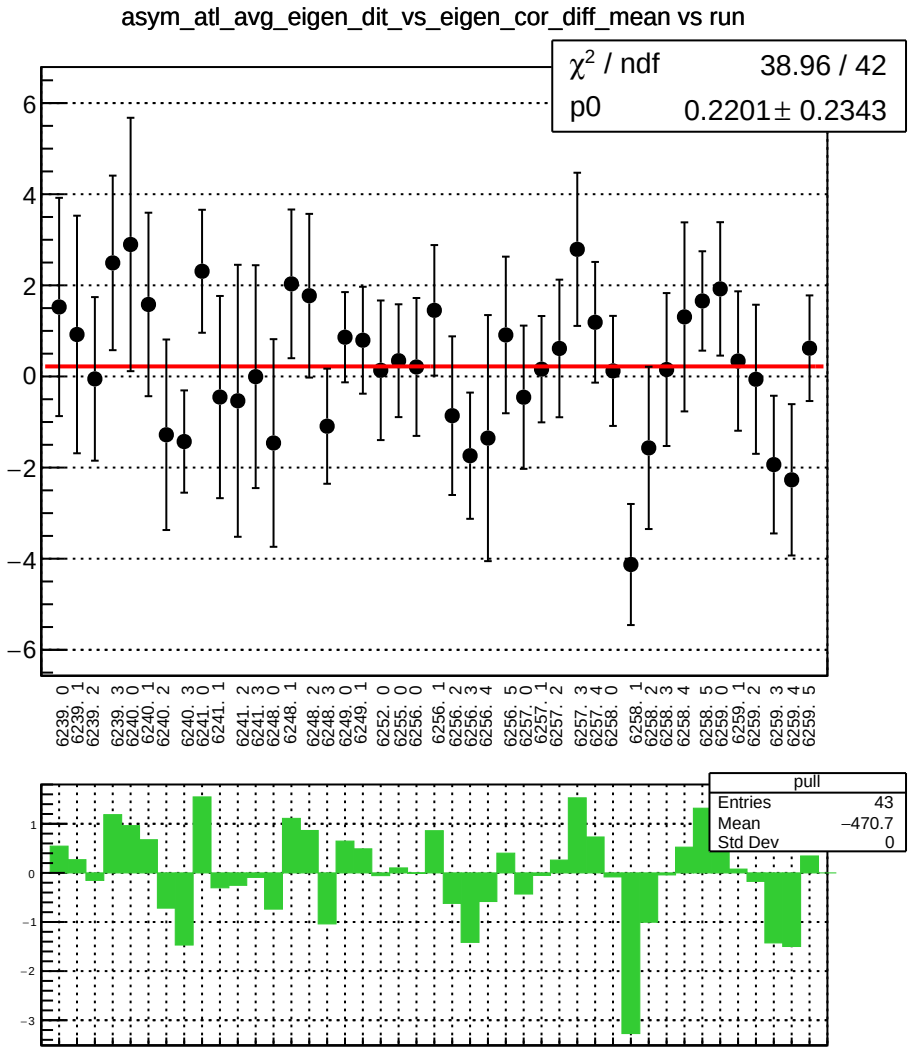

pull1D
Entries 43
Mean 0.06924
Std Dev 0.948
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

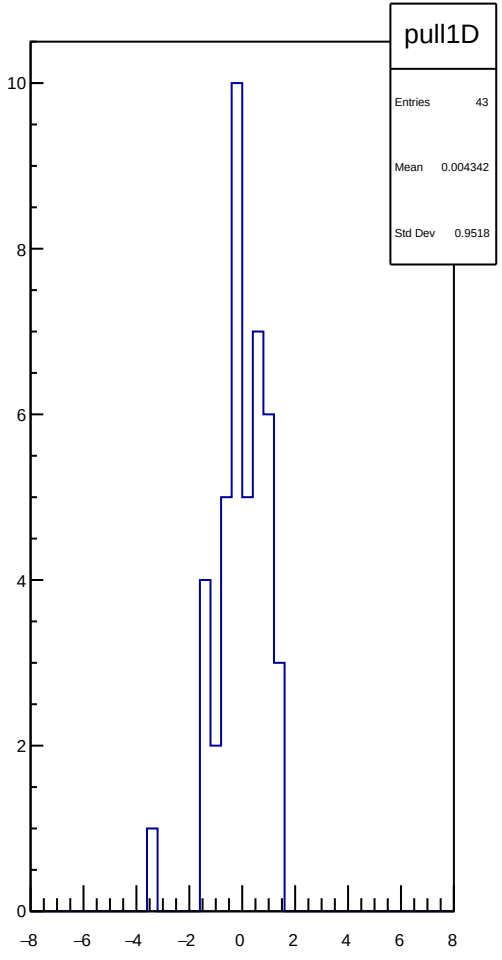

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.288e+04 / 42
p0 0.005996 ± 6.761e−06
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

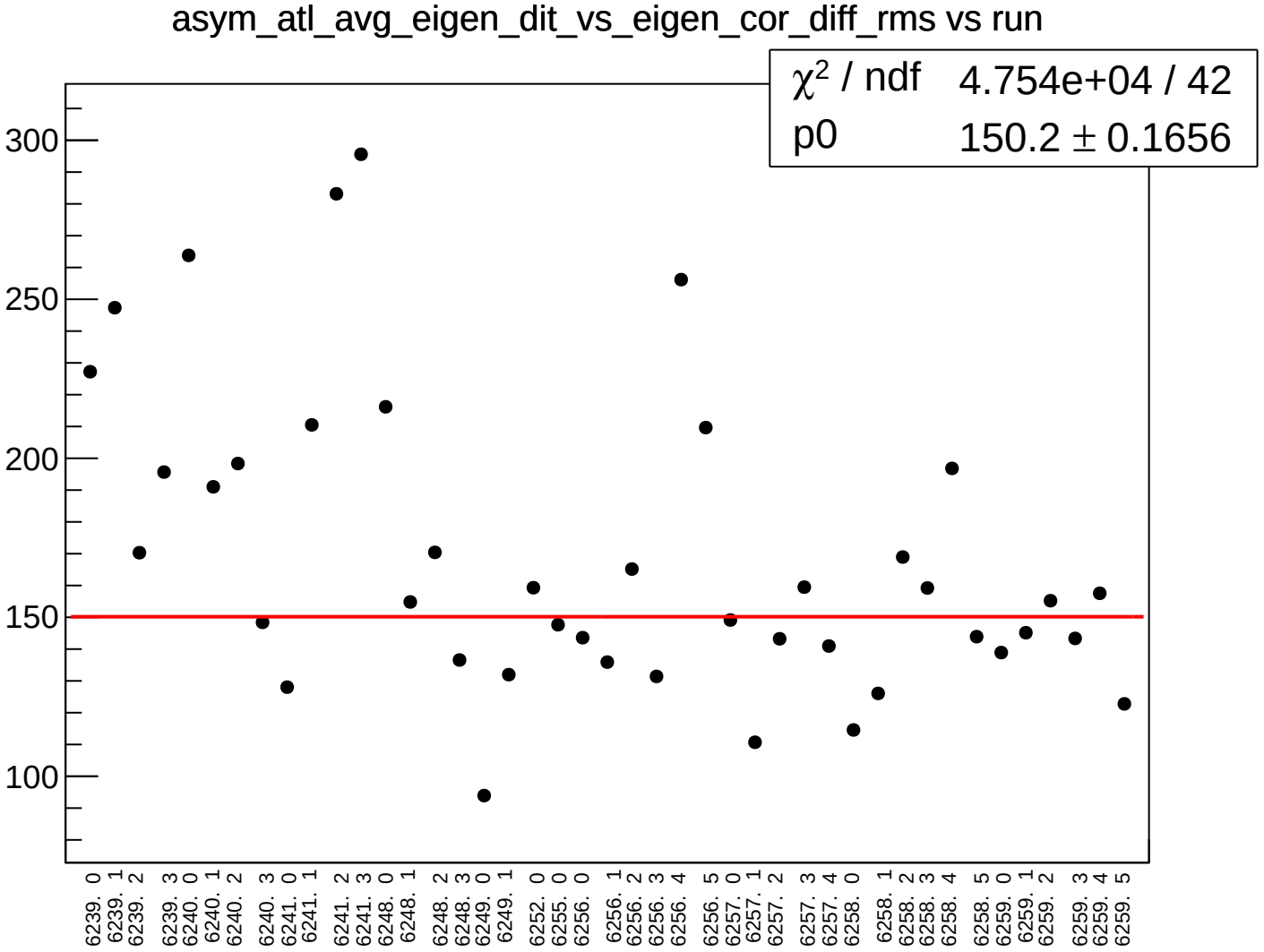

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.2201 ± 0.2343
pull
Entries 43
Mean −470.7
Std Dev 0

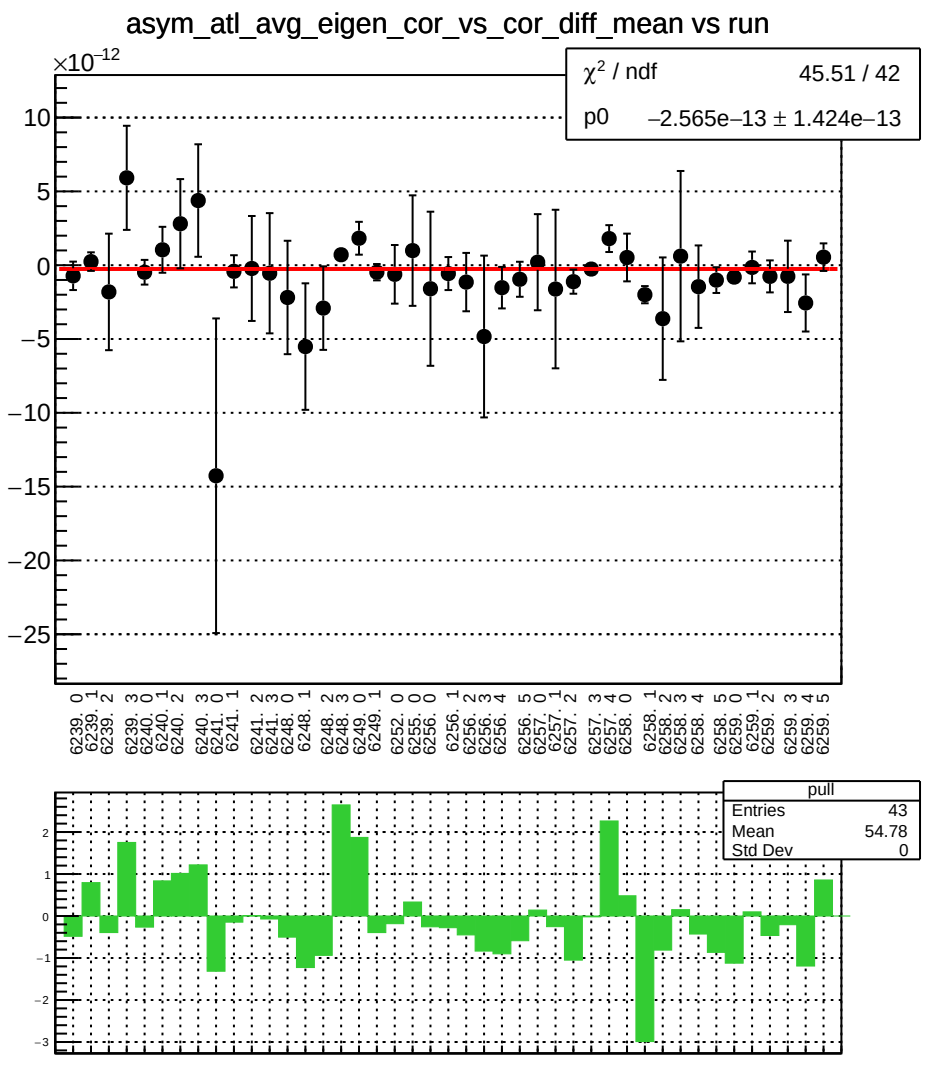

pull1D
Entries 43
Mean 0.004342
Std Dev 0.9518

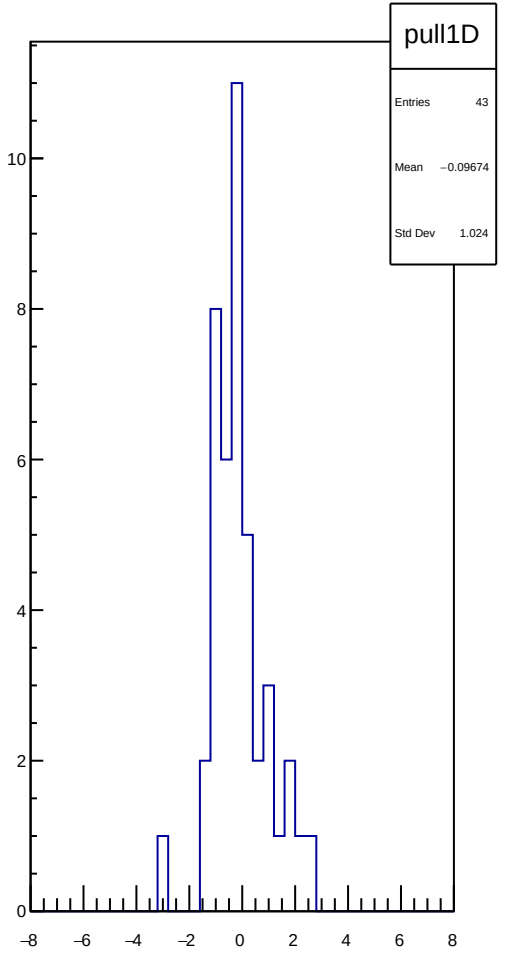

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.754e+04 / 42
p0 150.2 ± 0.1656
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

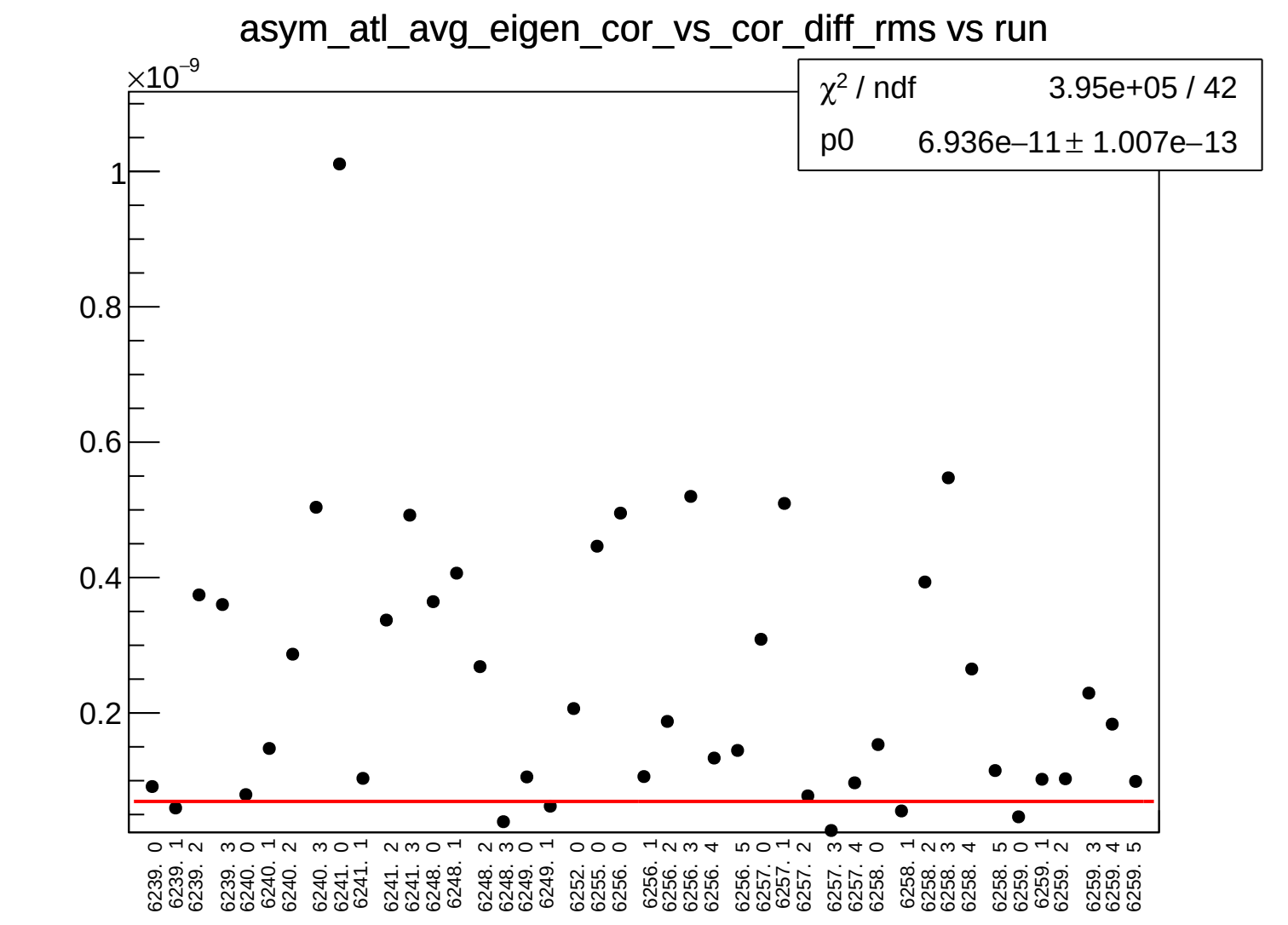

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.96 / 42
p0 0.2201 ± 0.2343
pull
Entries 43
Mean −470.7
Std Dev 0

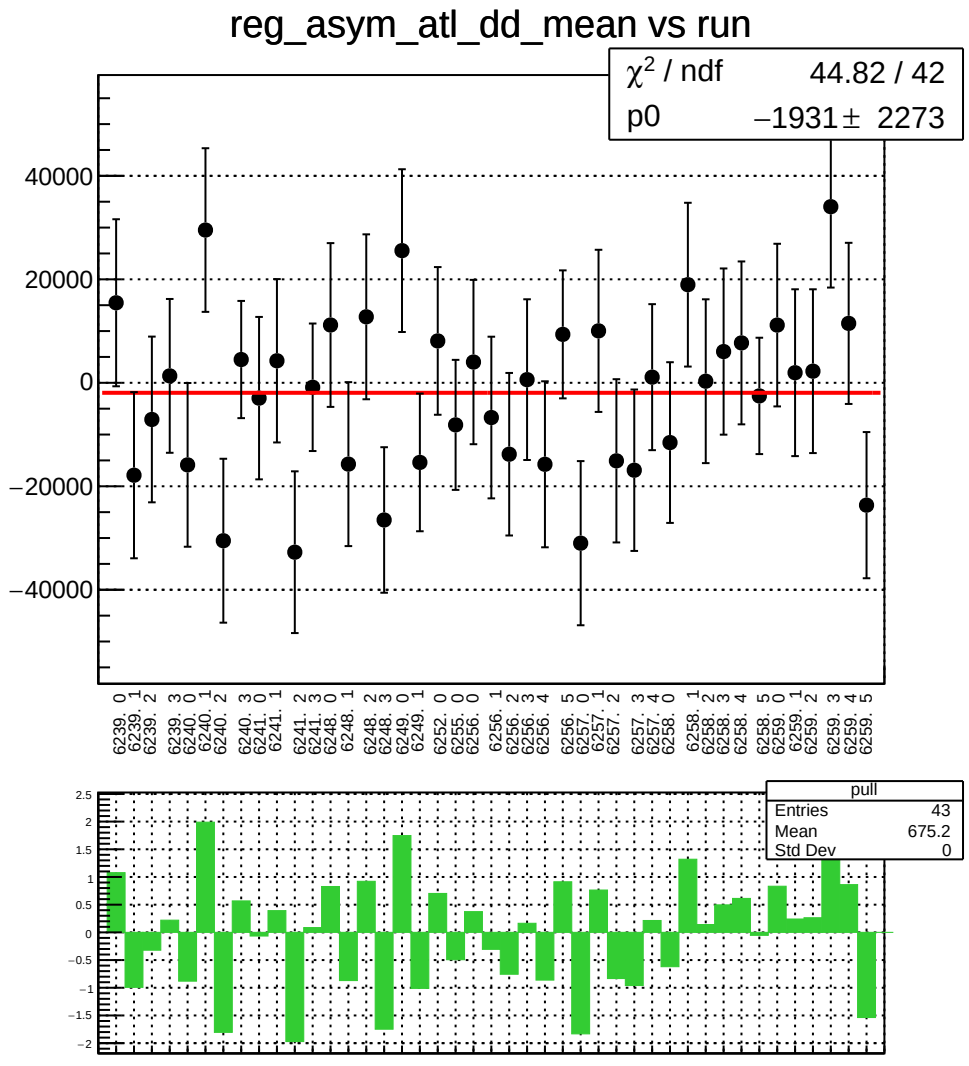

pull1D
Entries 43
Mean 0.004342
Std Dev 0.9518

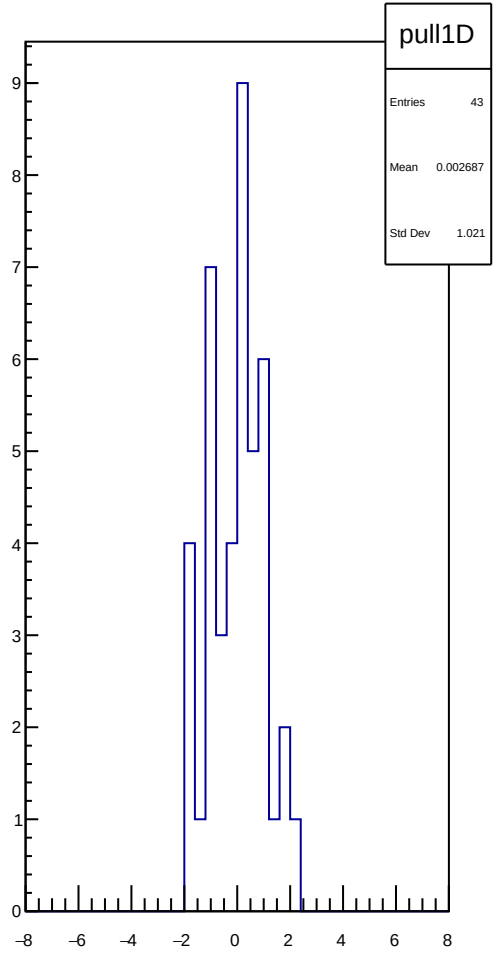

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.754e+04 / 42
p0 150.2 ± 0.1656
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

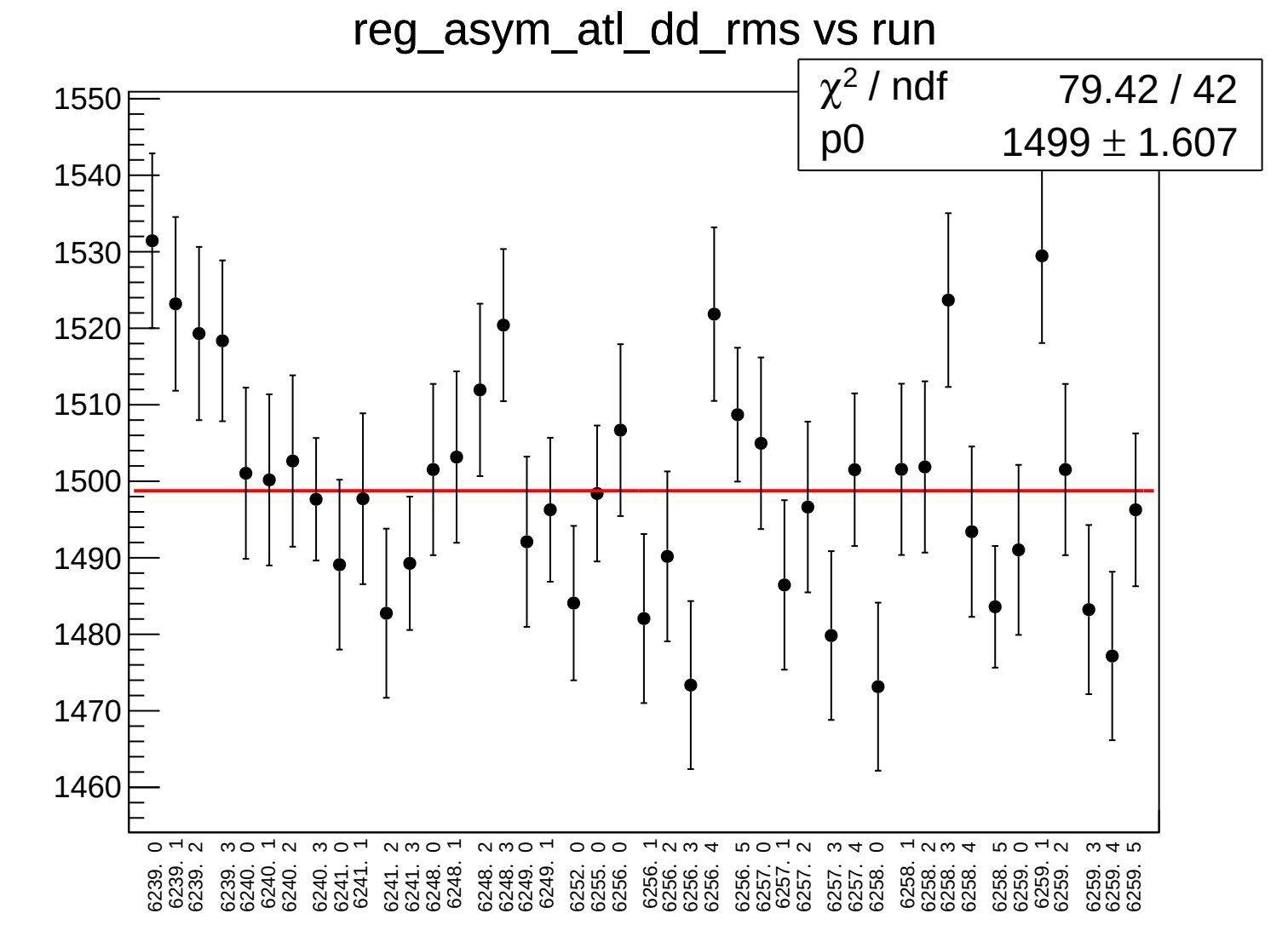

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.51 / 42
p0 −2.565e−13 ± 1.424e−13
pull
Entries 43
Mean 54.78
Std Dev 0

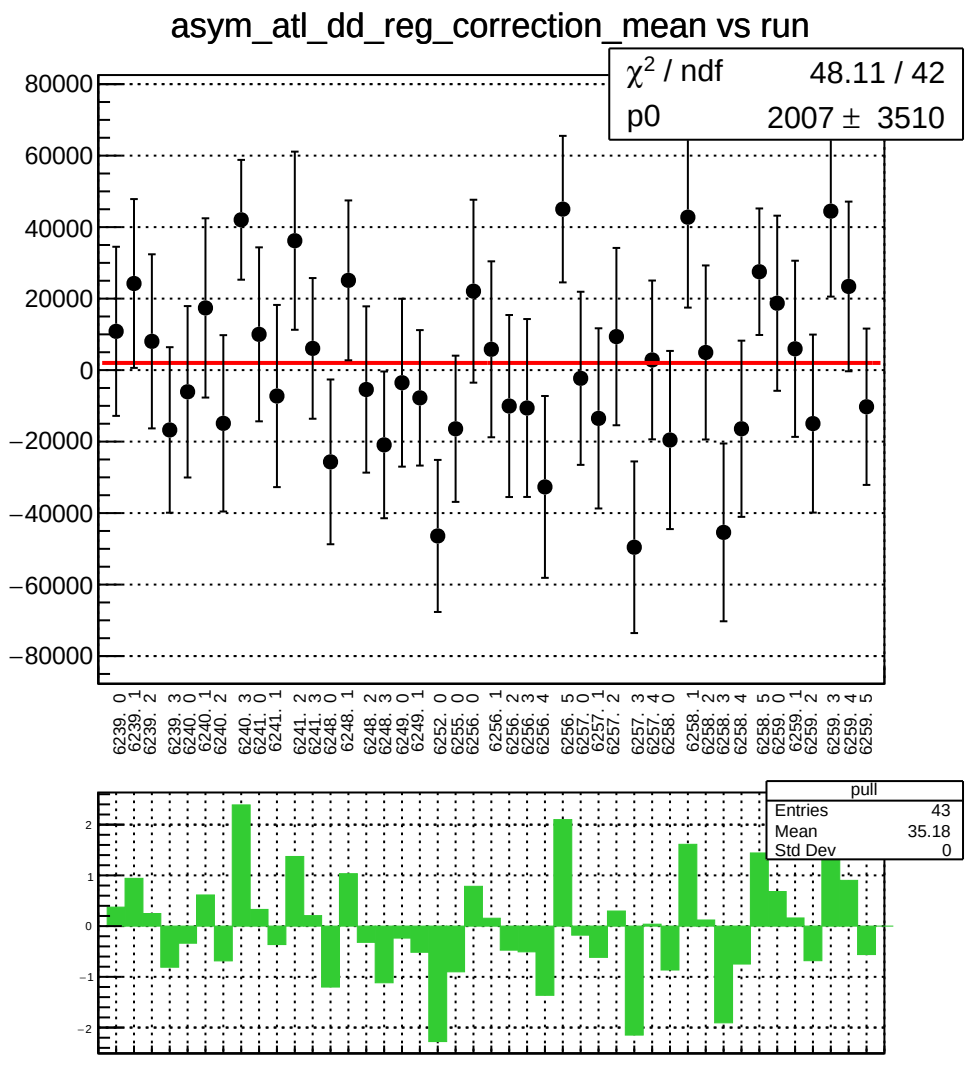

pull1D
Entries 43
Mean −0.09674
Std Dev 1.024

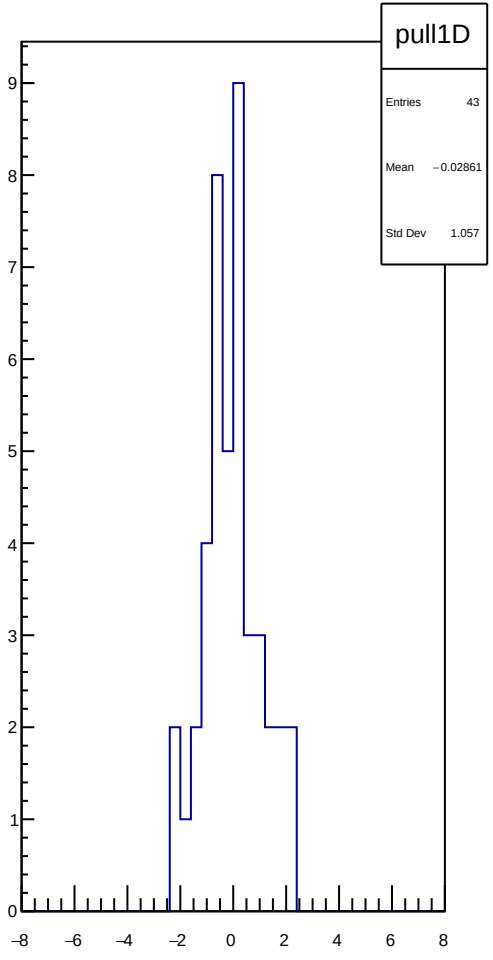

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.95e+05 / 42
p0 6.936e−11 ± 1.007e−13
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

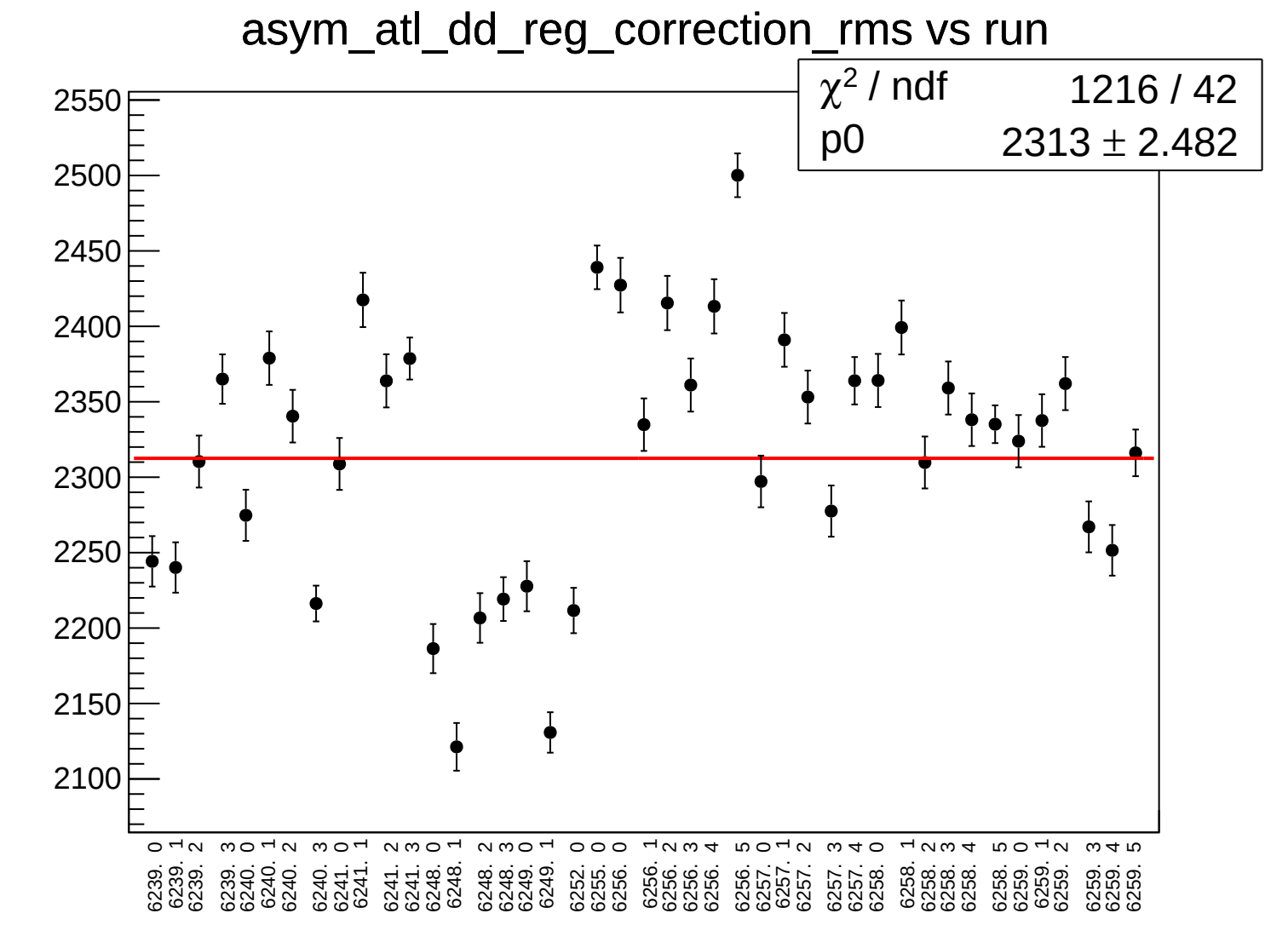

reg_asym_atl_dd_mean vs run
χ² / ndf 44.82 / 42
p0 −1931 ± 2273
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 675.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

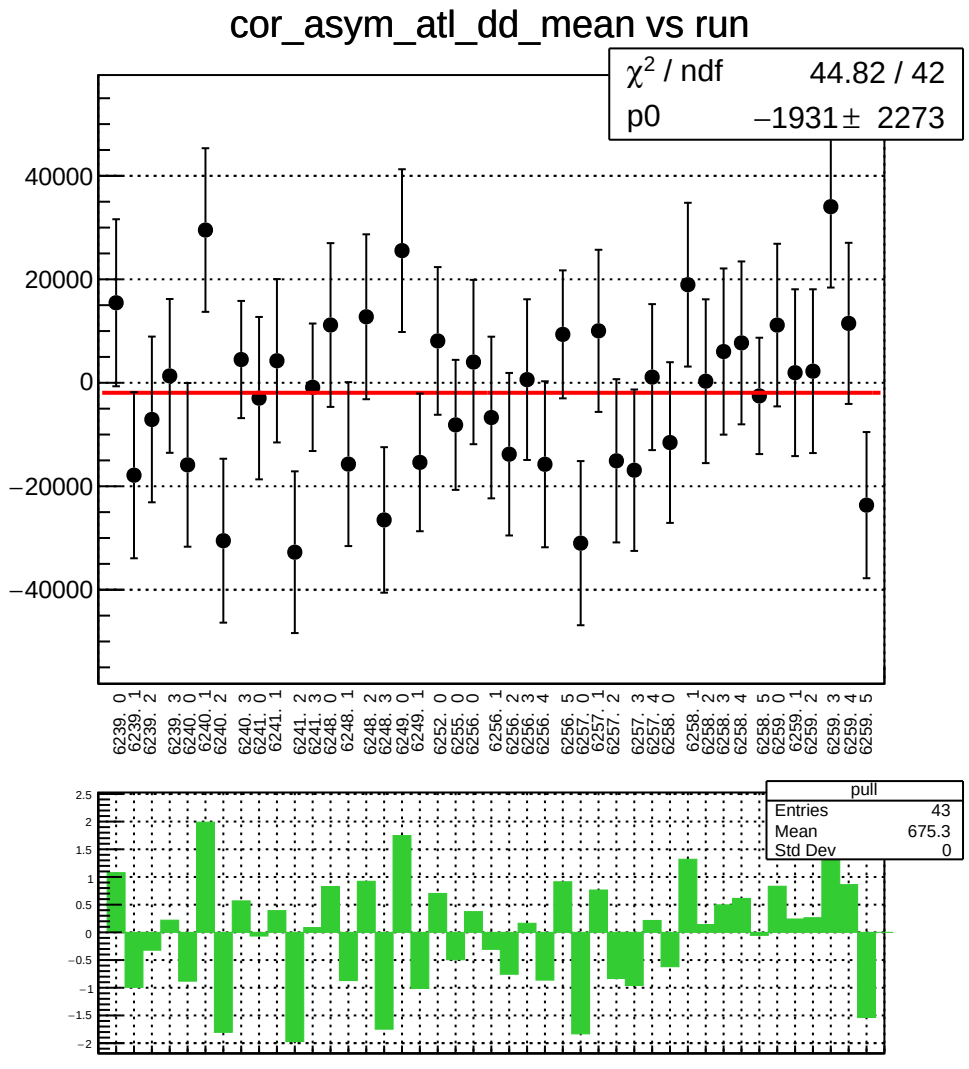

pull1D
Entries 43
Mean 0.002687
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

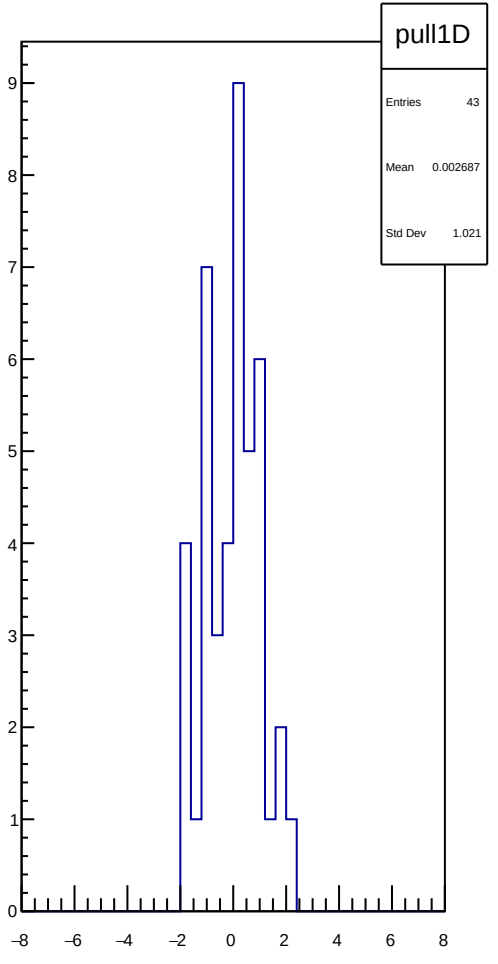

reg_asym_atl_dd_rms vs run
χ² / ndf 79.42 / 42
p0 1499 ± 1.607
1550
1540
1530
1520
1510
1500
1490
1480
1470
1460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

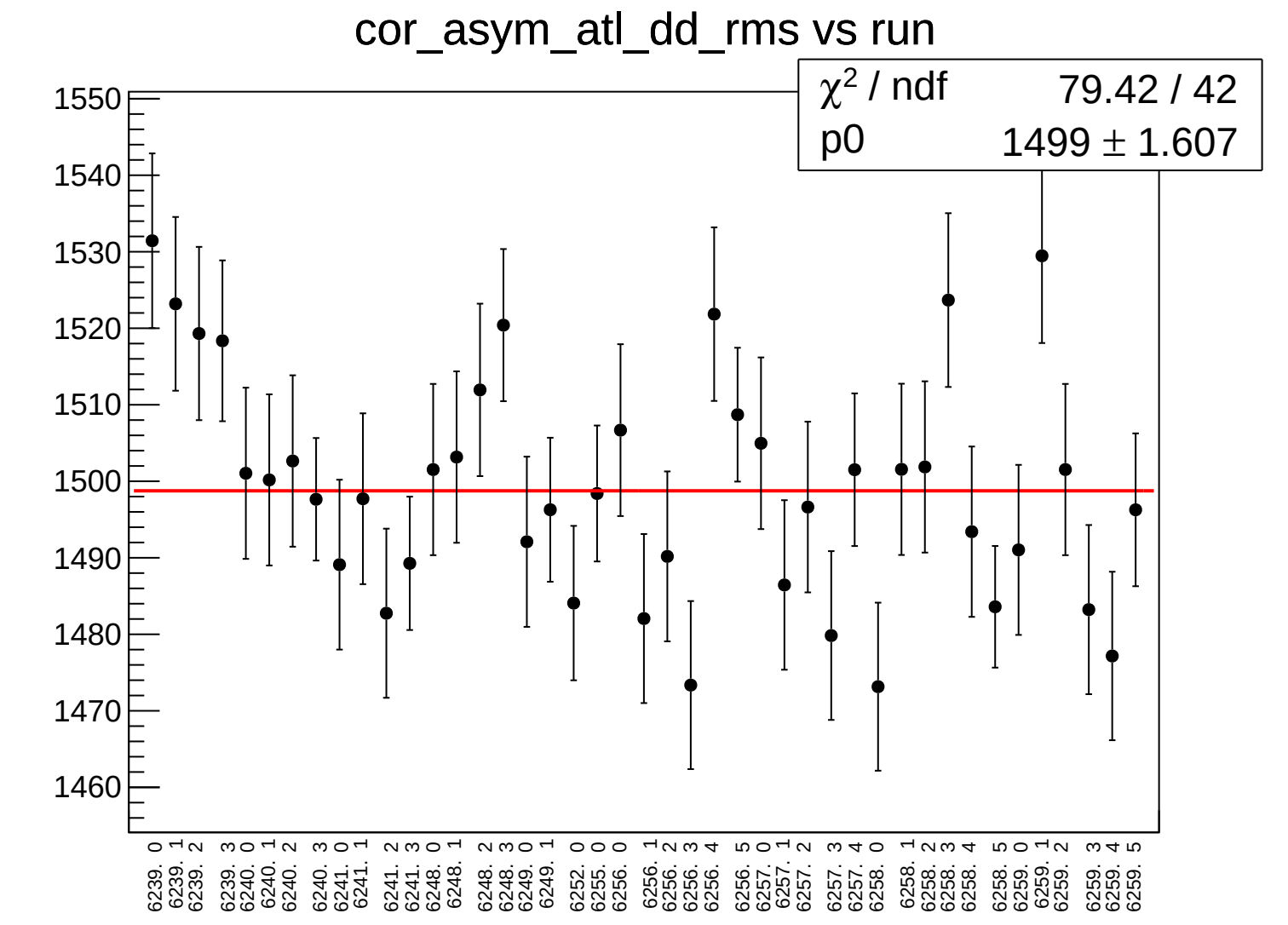

asym_atl_dd_reg_correction_mean vs run
χ² / ndf 48.11 / 42
p0 2007 ± 3510
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.18
Std Dev 0
2
1
0
−1
−2

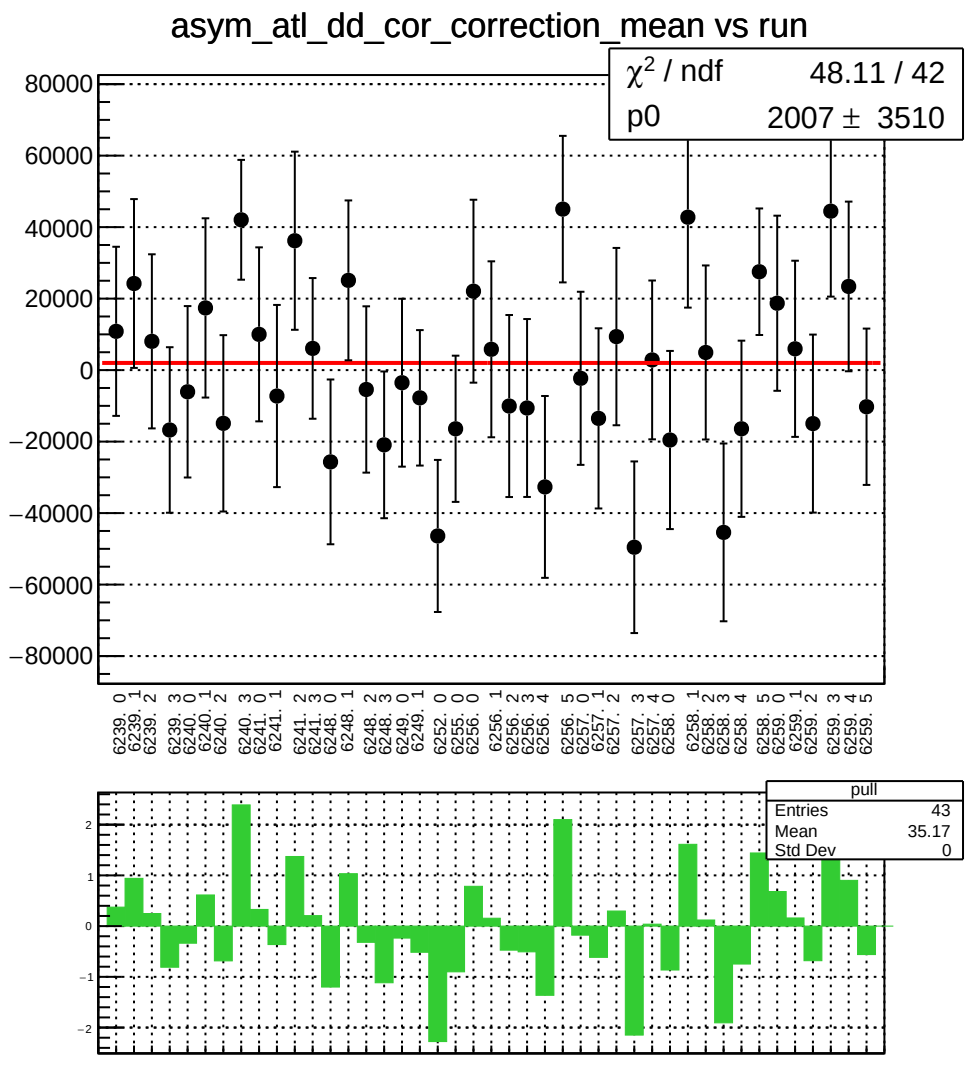

pull1D
Entries 43
Mean −0.02861
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

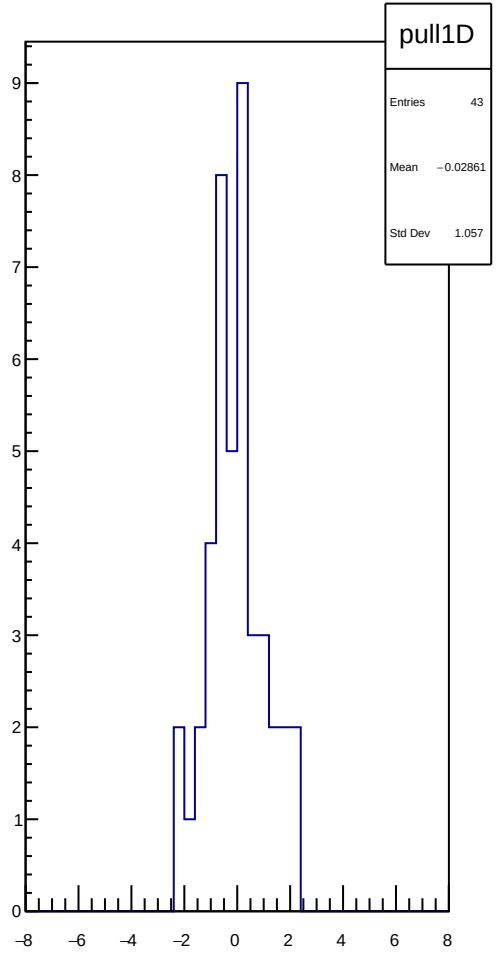

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1216 / 42
p0 2313 ± 2.482
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

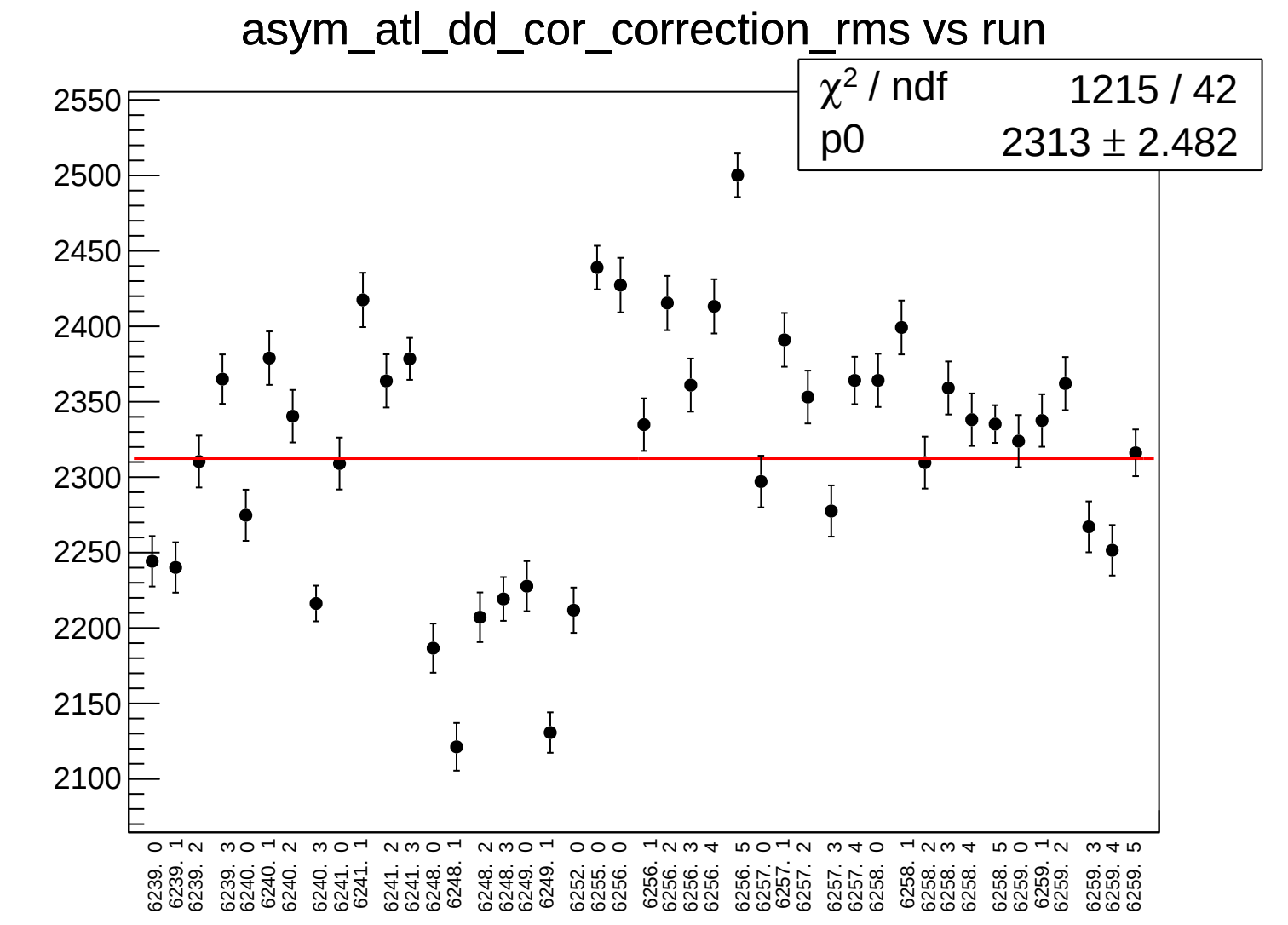

cor_asym_atl_dd_mean vs run
χ² / ndf 44.82 / 42
p0 −1931 ± 2273
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 675.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

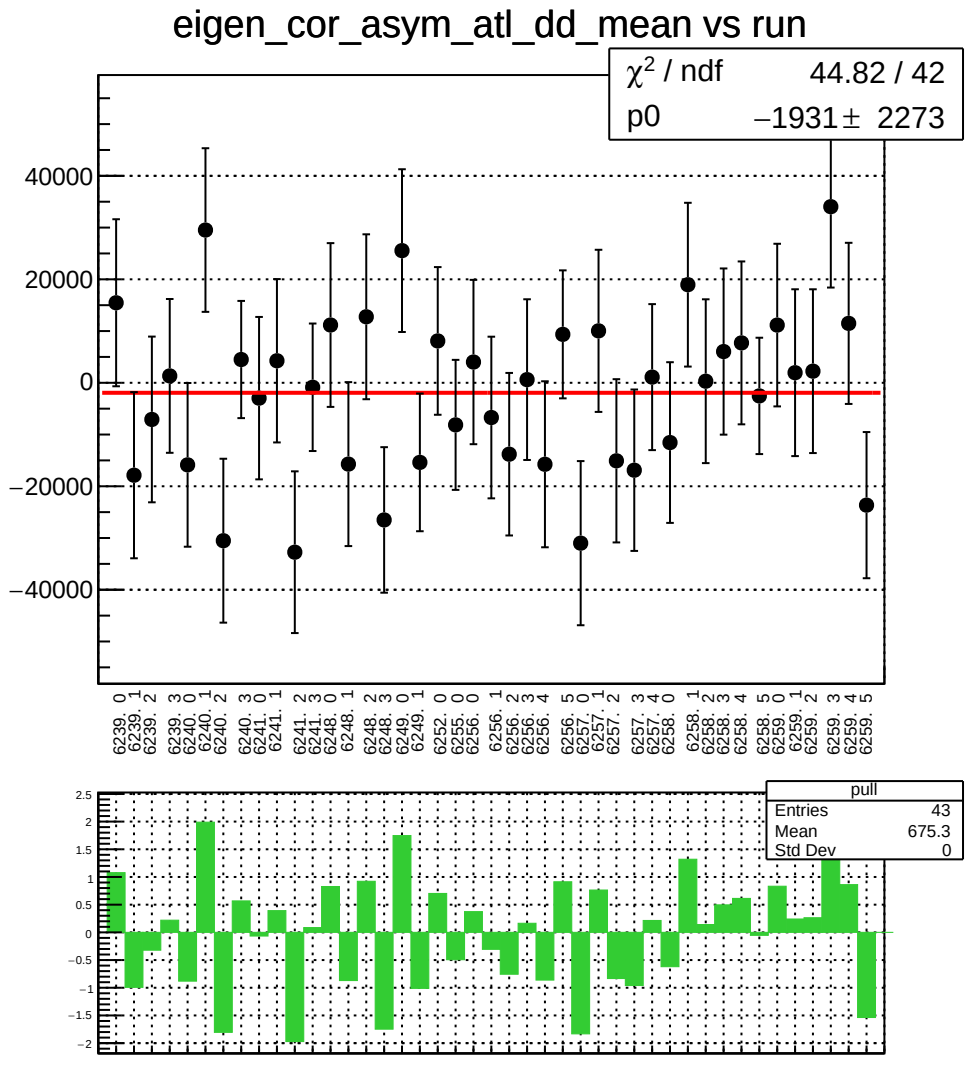

pull1D
Entries 43
Mean 0.002687
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

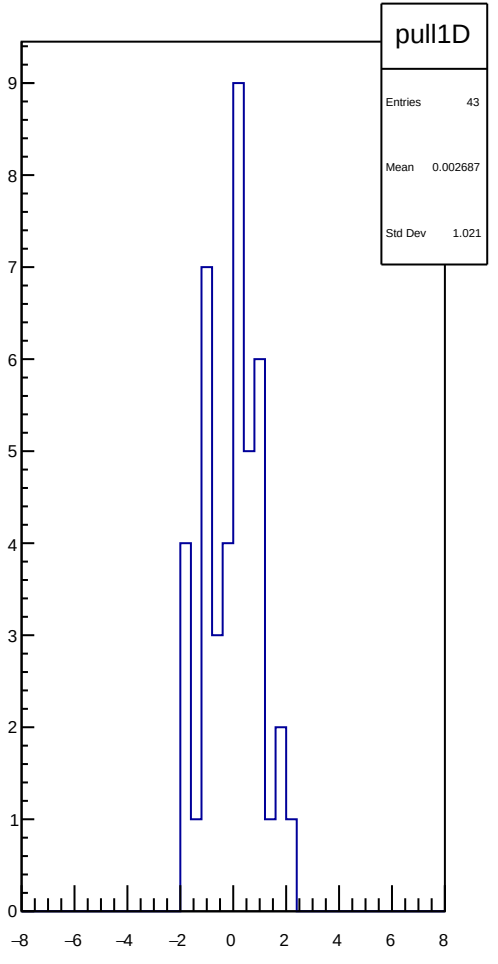

cor_asym_atl_dd_rms vs run
χ² / ndf 79.42 / 42
p0 1499 ± 1.607
1550
1540
1530
1520
1510
1500
1490
1480
1470
1460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

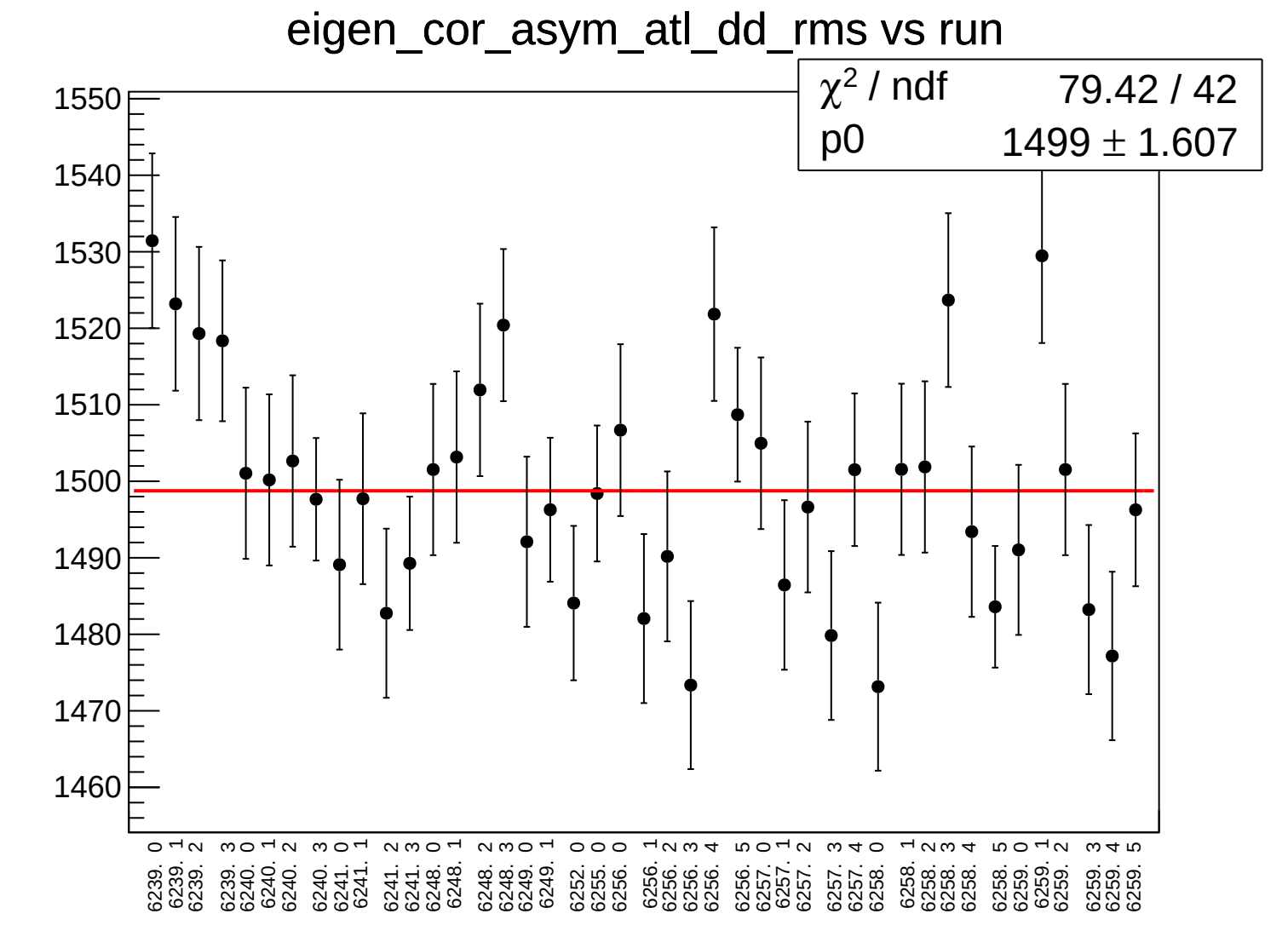

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 48.11 / 42
p0 2007 ± 3510
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.17
Std Dev 0
2
1
0
−1
−2

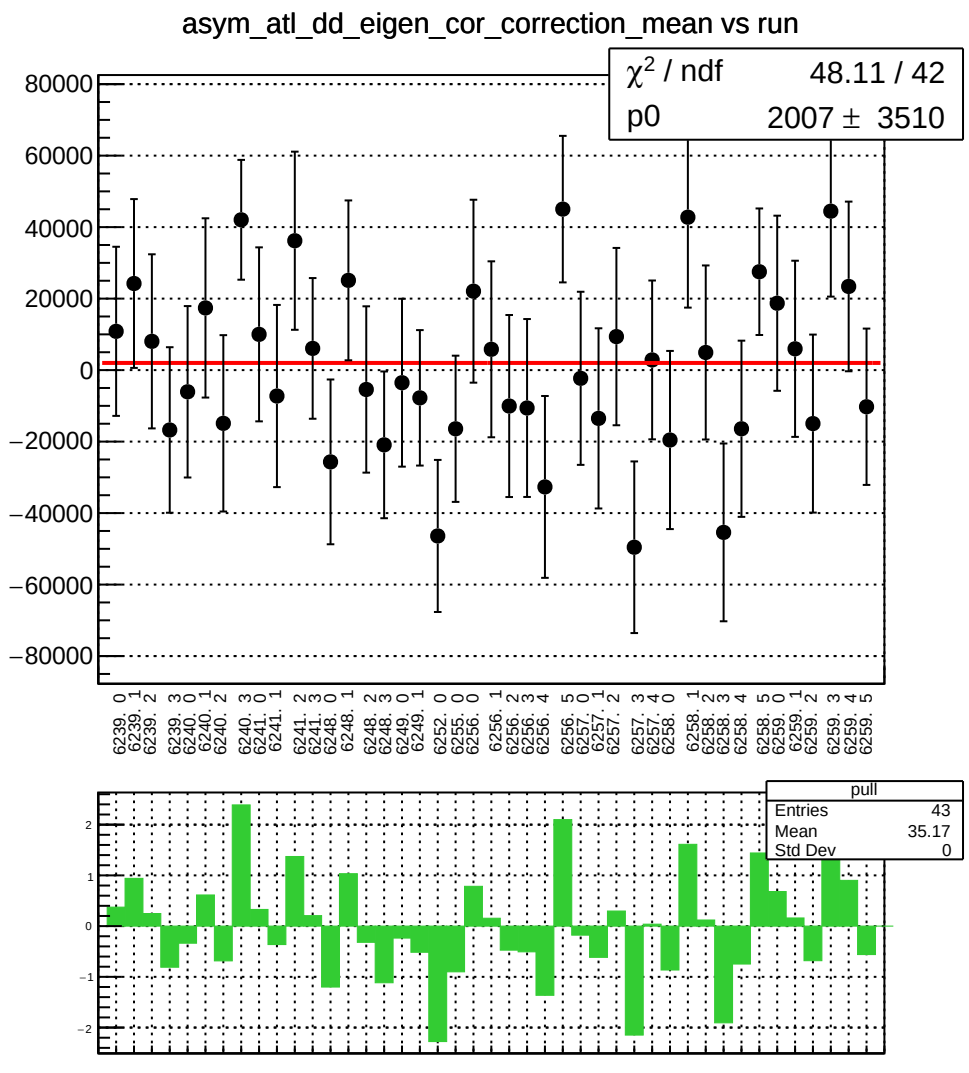

pull1D
Entries 43
Mean −0.02861
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

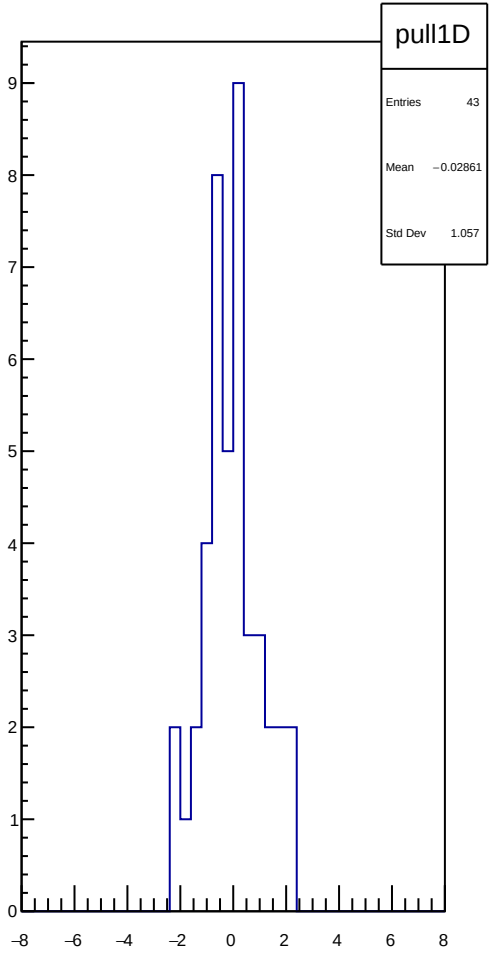

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1215 / 42
p0 2313 ± 2.482
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

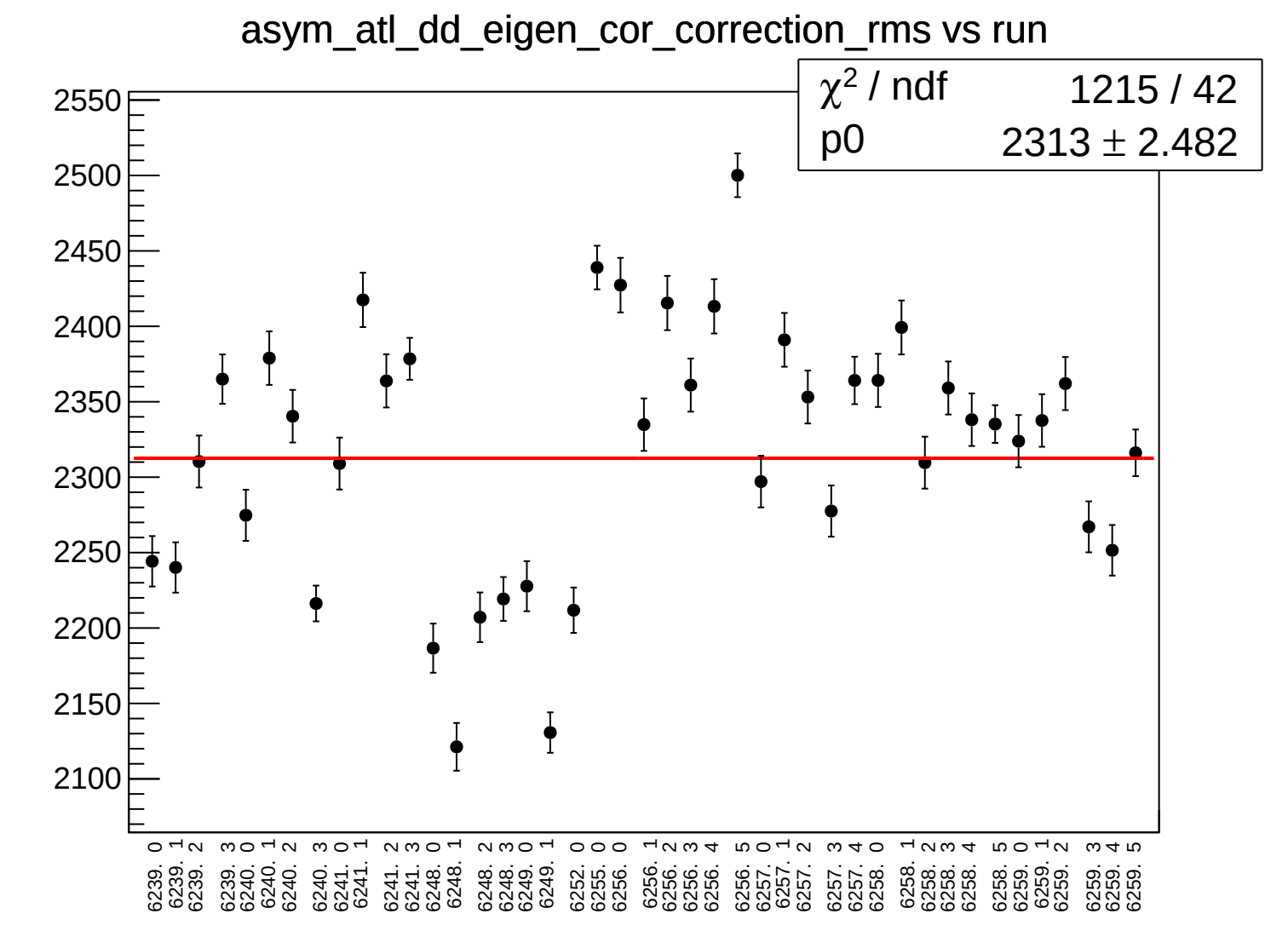

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 44.82 / 42
p0 −1931 ± 2273
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 675.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

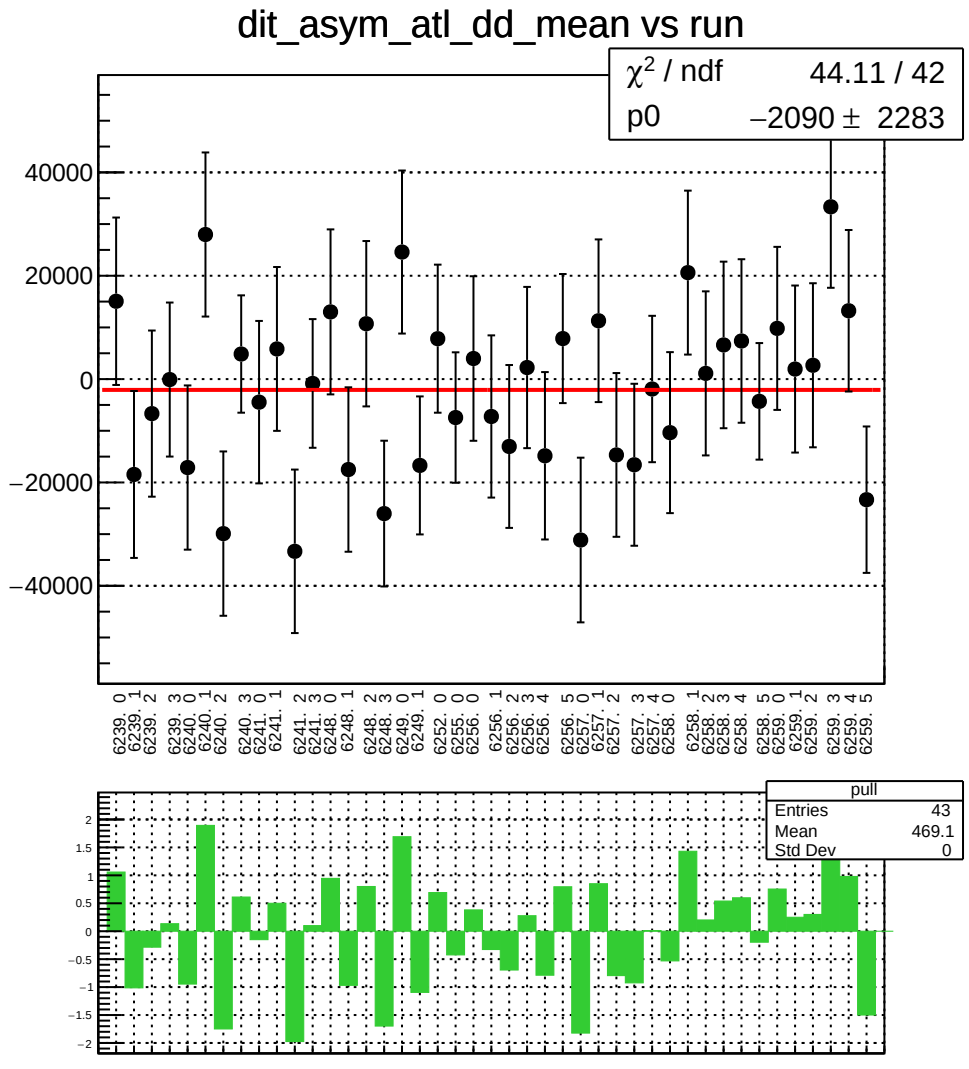

pull1D
Entries 43
Mean 0.002687
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

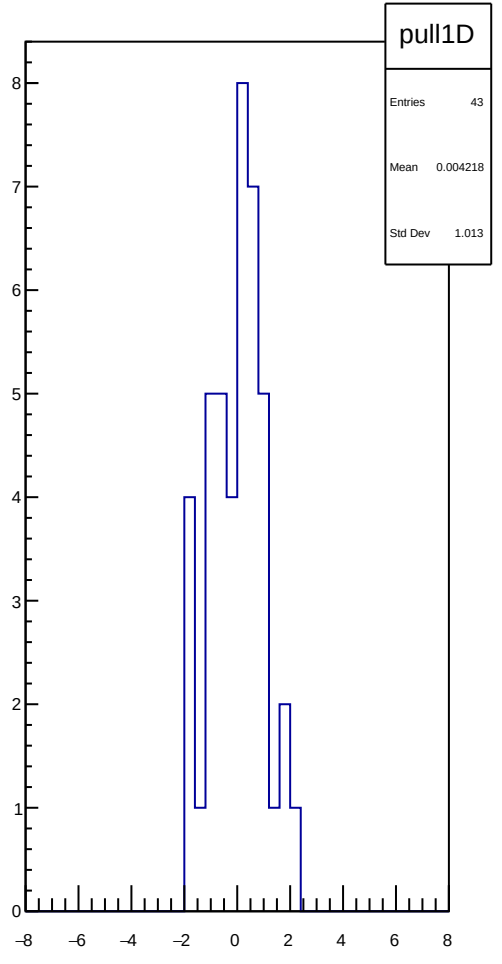

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 79.42 / 42
p0 1499 ± 1.607
1550
1540
1530
1520
1510
1500
1490
1480
1470
1460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.11 / 42
p0 2007 ± 3510
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.17
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.02861
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1215 / 42
p0 2313 ± 2.482
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atl_dd_mean vs run
χ² / ndf 44.11 / 42
p0 −2090 ± 2283
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 469.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.004218
Std Dev 1.013
8
7
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5
4
3
2
1
0
−8
−6
−4
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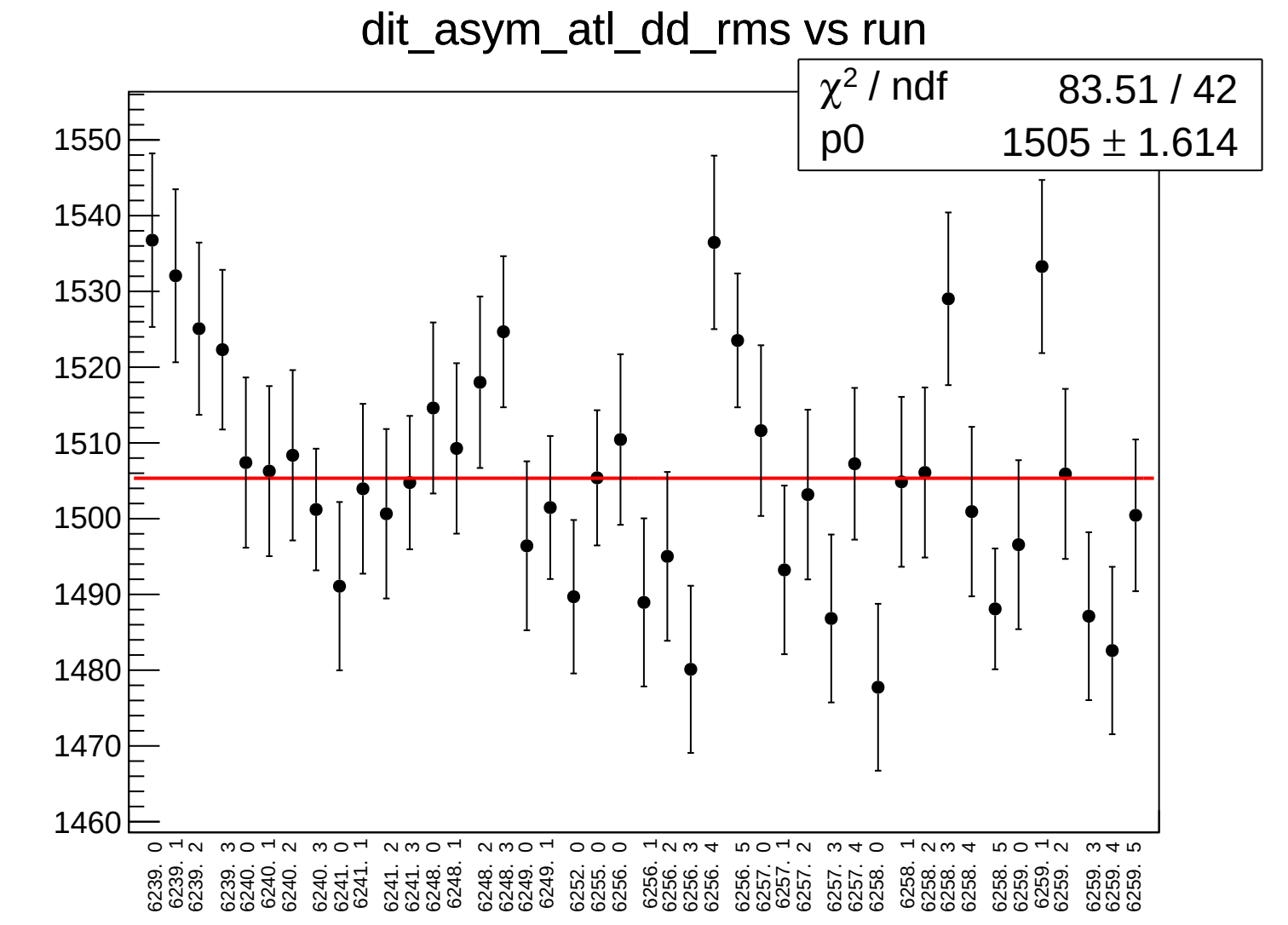
0
2
4
6
8


dit_asym_atl_dd_rms vs run
χ² / ndf 83.51 / 42
p0 1505 ± 1.614
1550
1540
1530
1520
1510
1500
1490
1480
1470
1460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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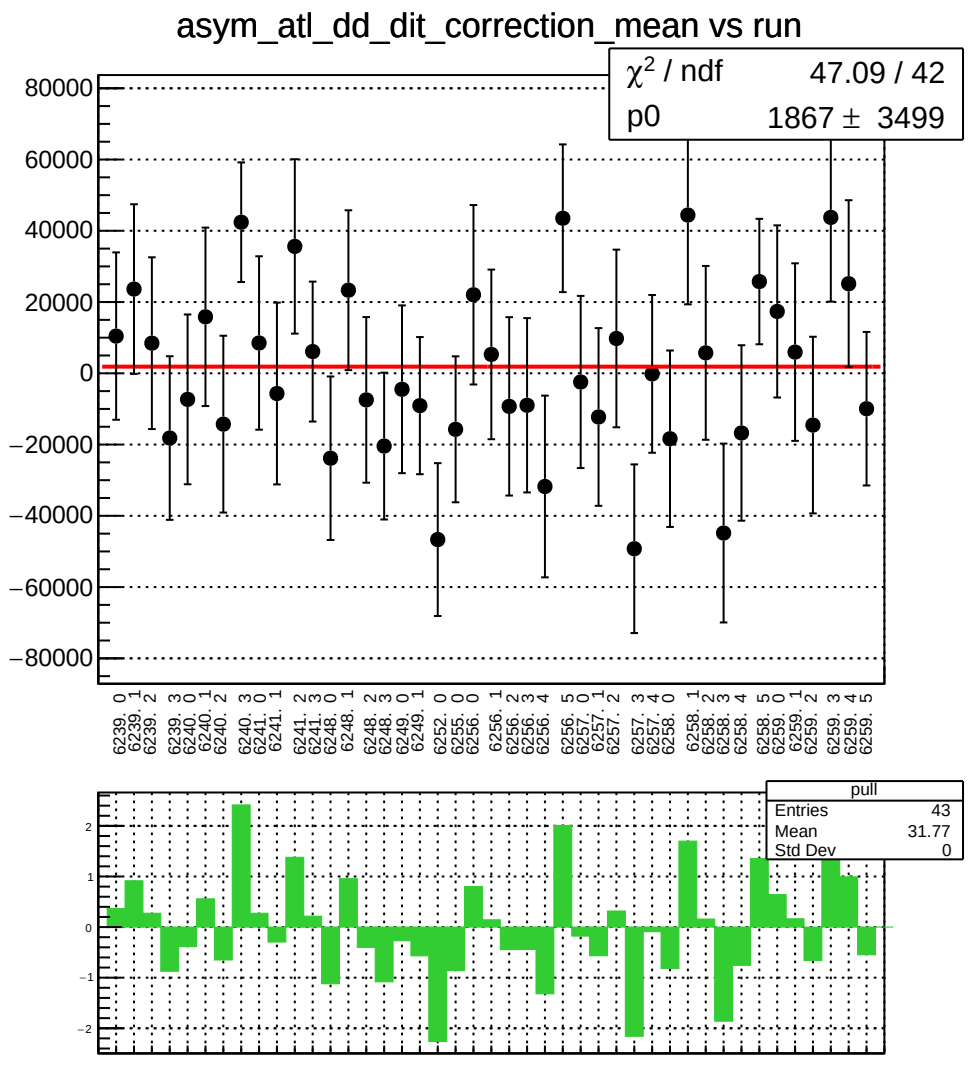
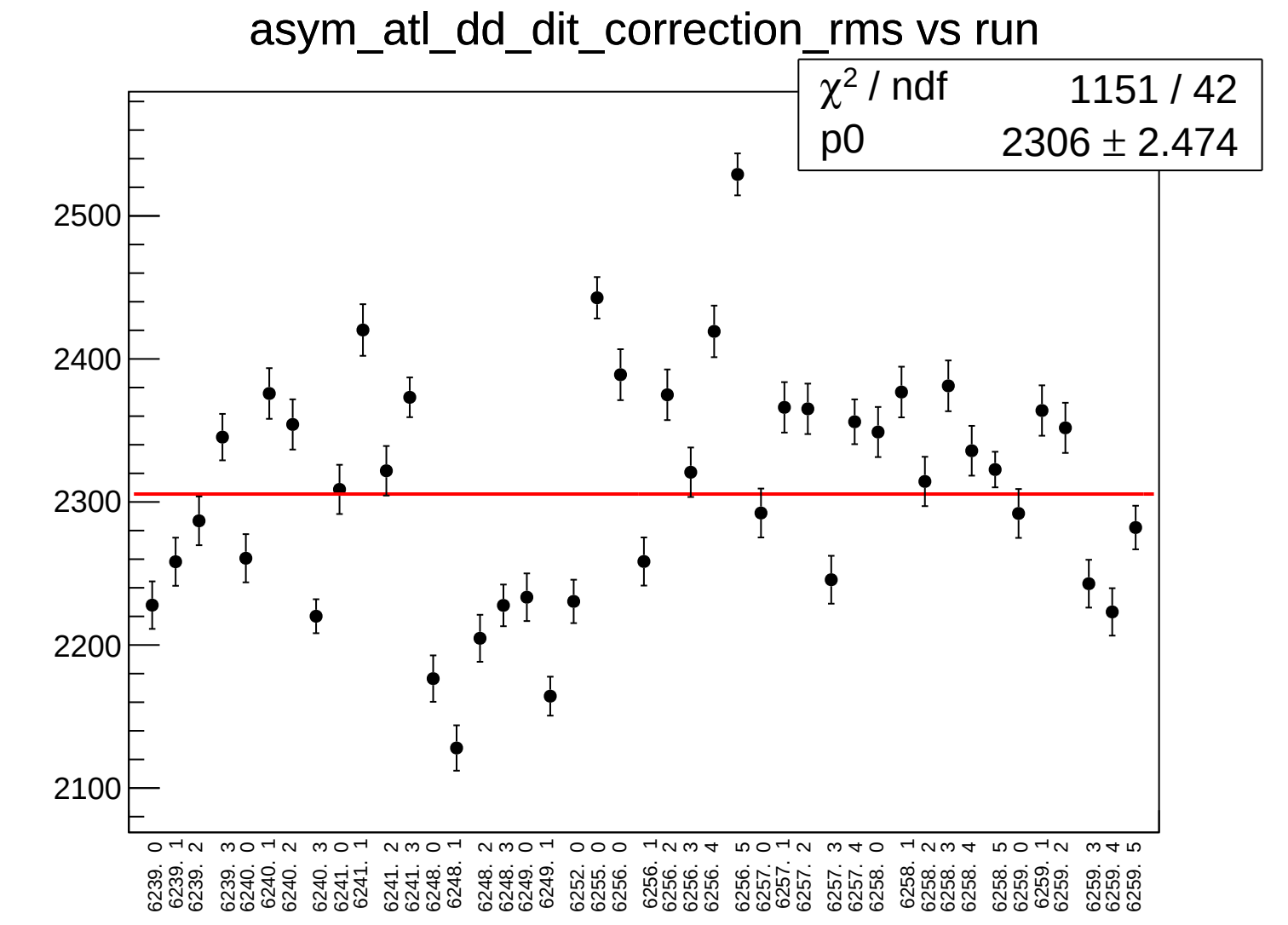
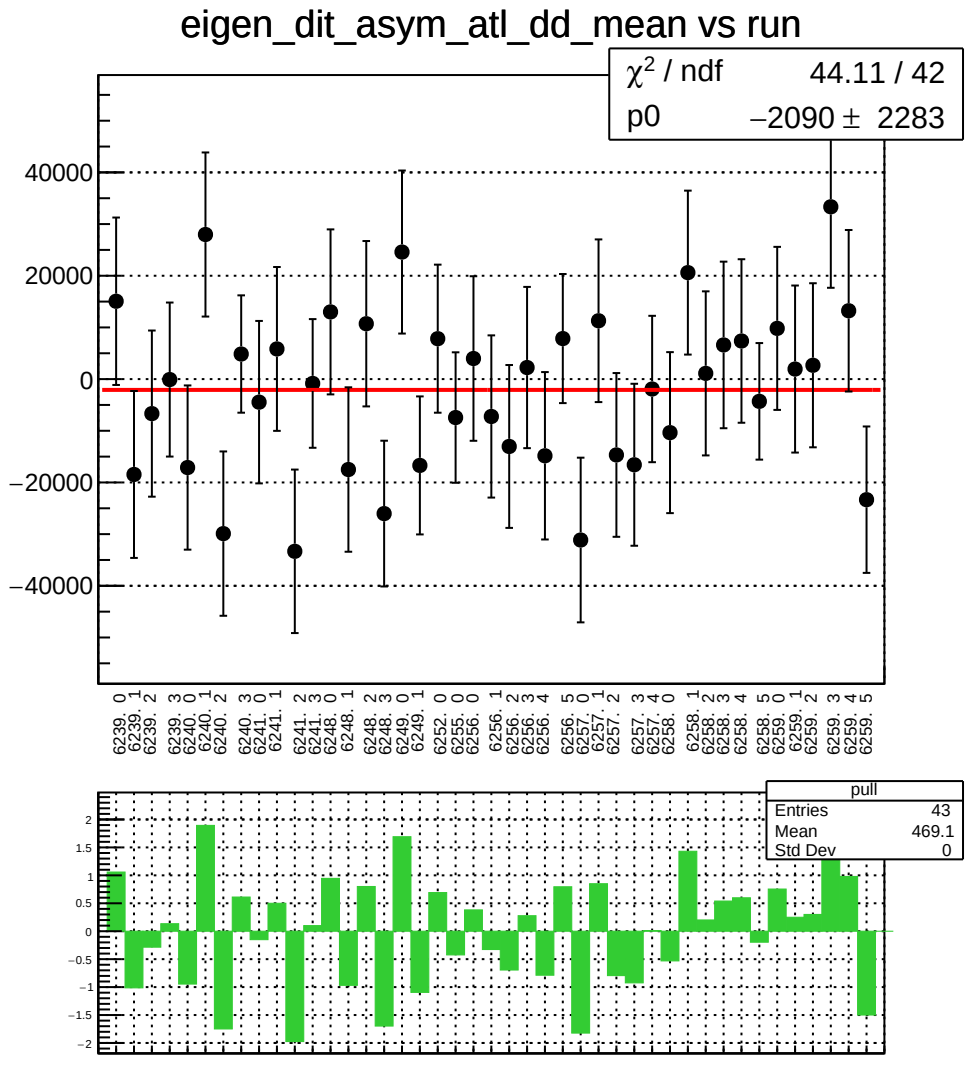
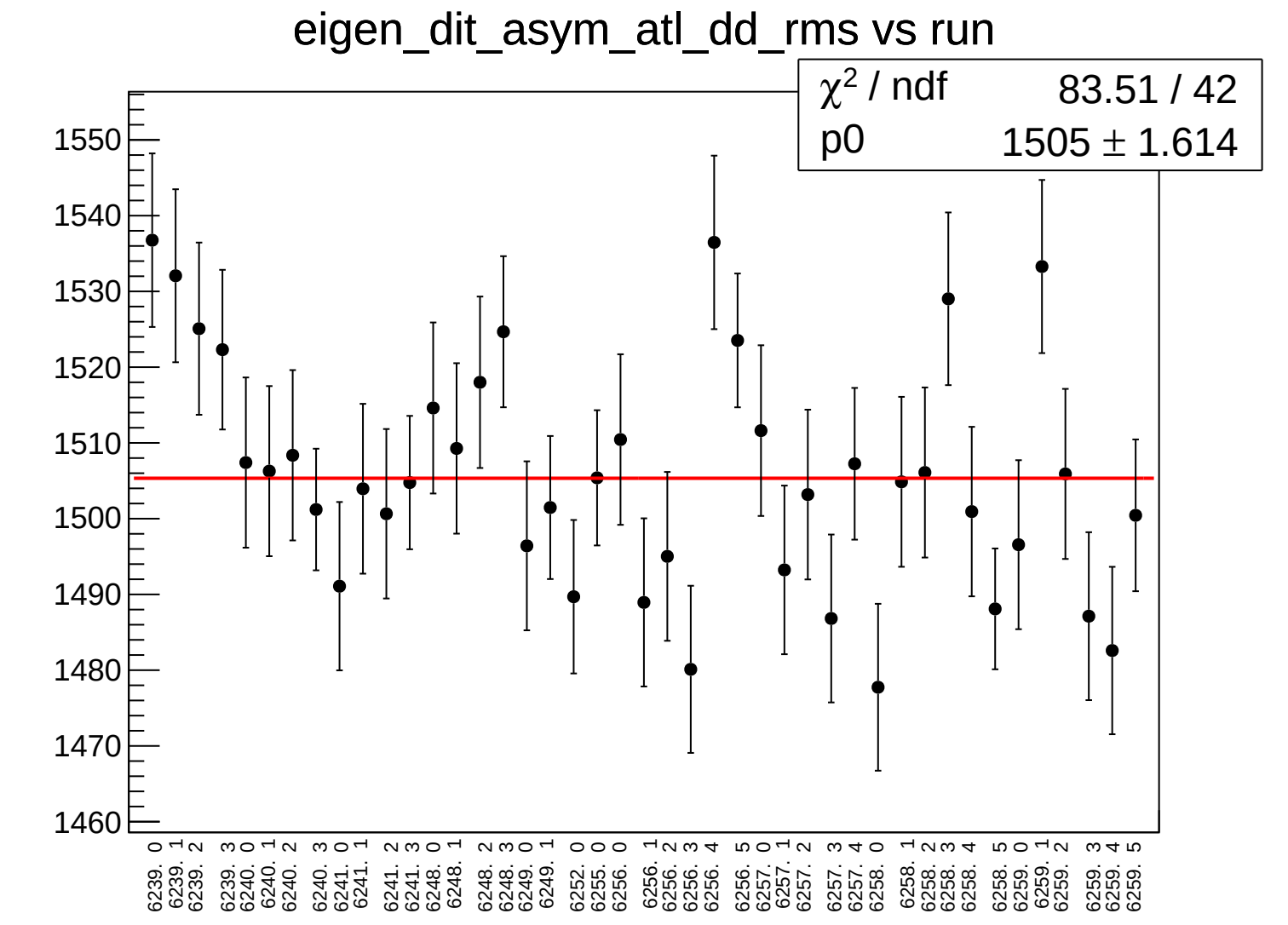
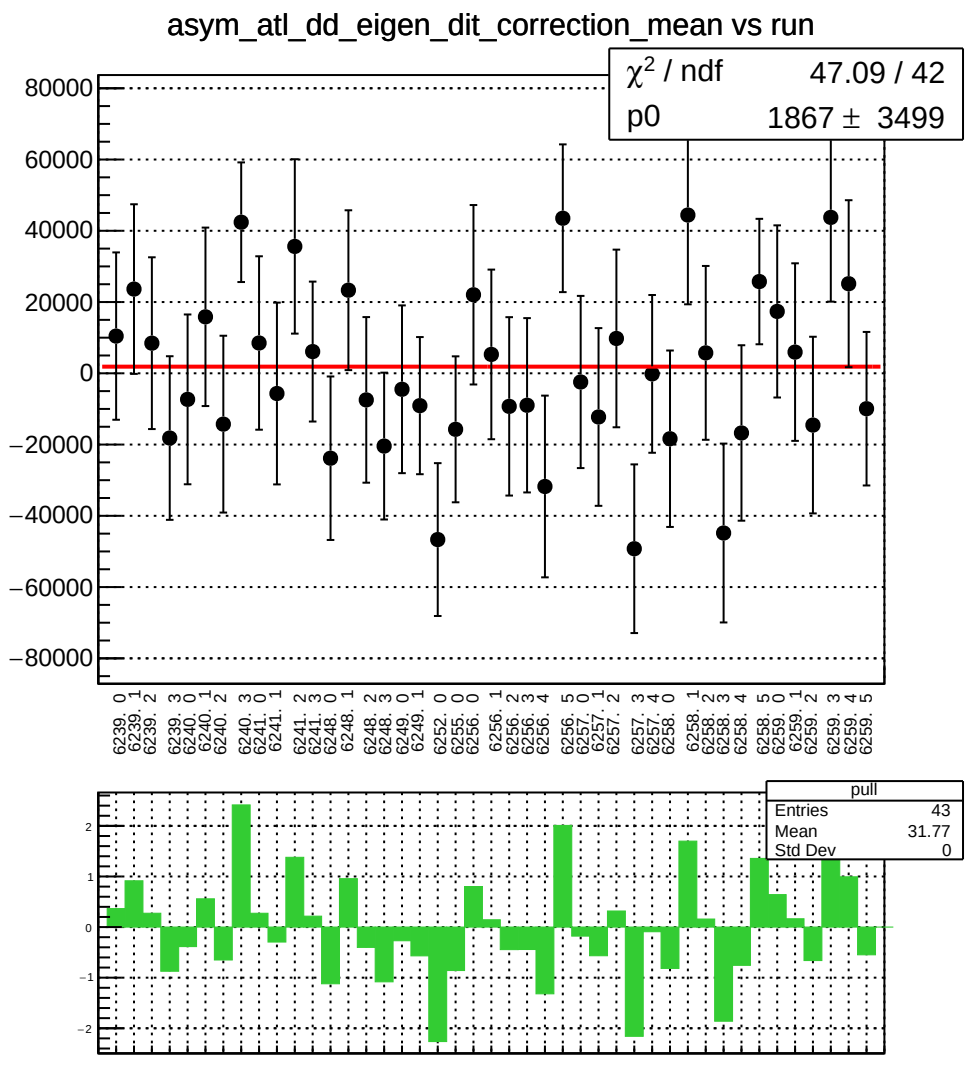
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

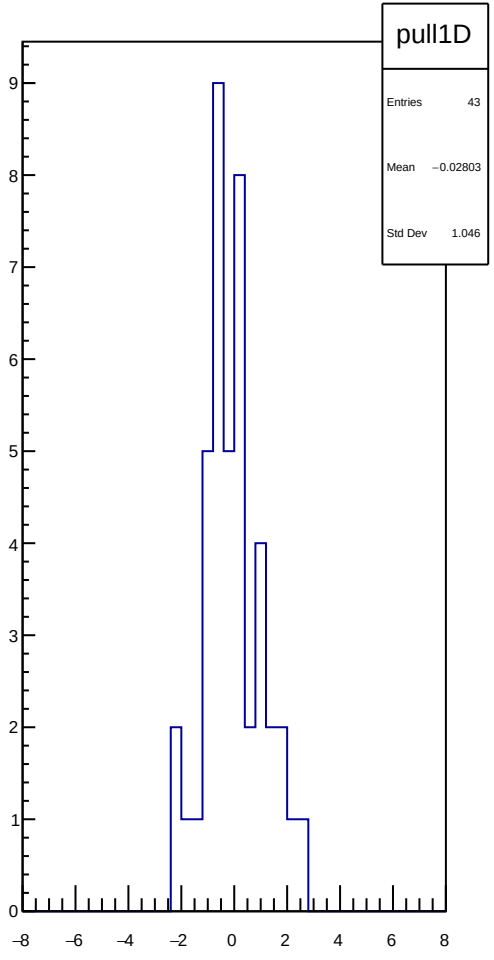

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 47.09 / 42
p0 1867 ± 3499
pull
Entries 43
Mean 31.77
Std Dev 0
pull1D
Entries 43
Mean −0.02803
Std Dev 1.046

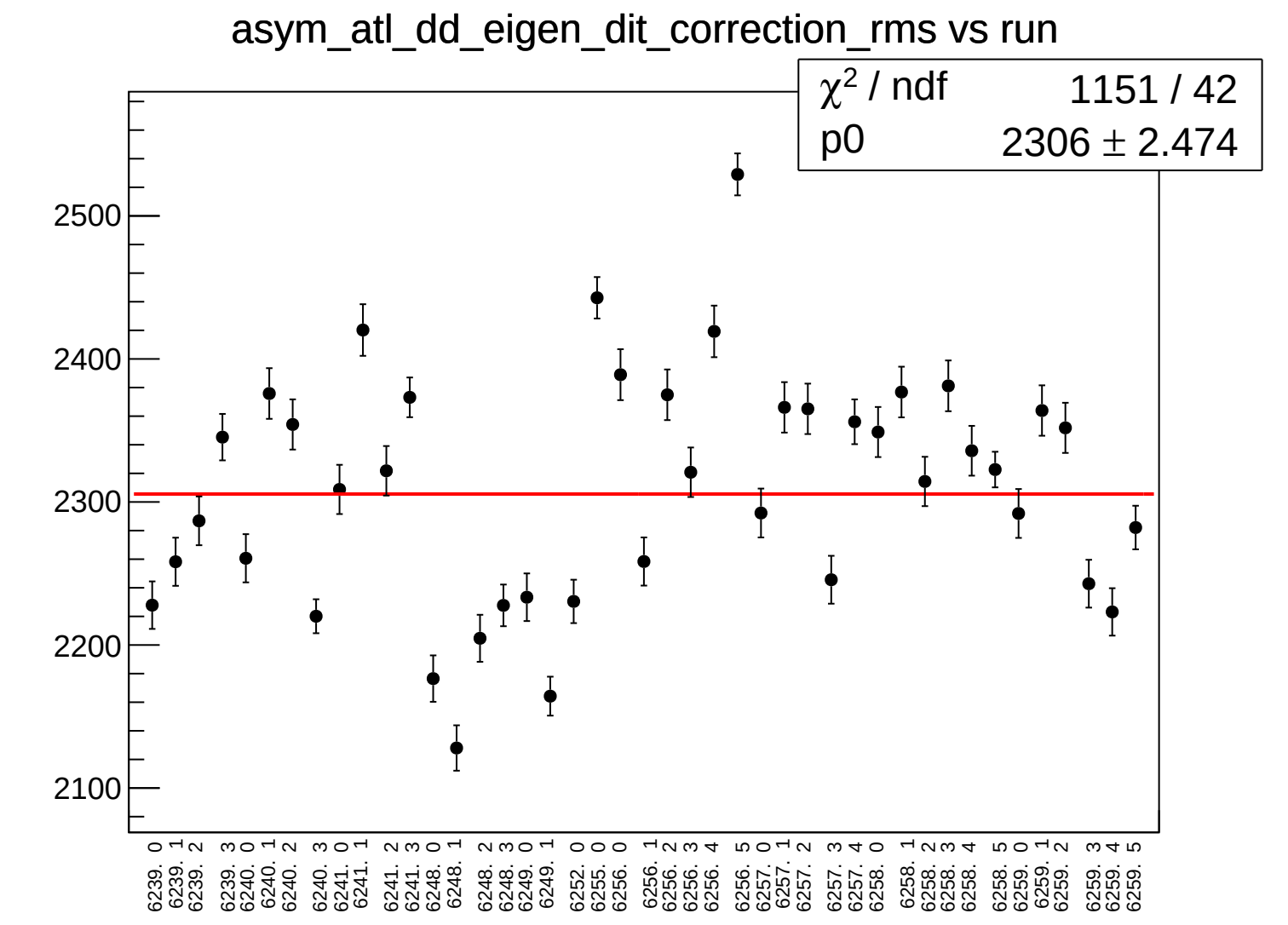

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 1151 / 42
p0 2306 ± 2.474
2500
2400
2300
2200
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

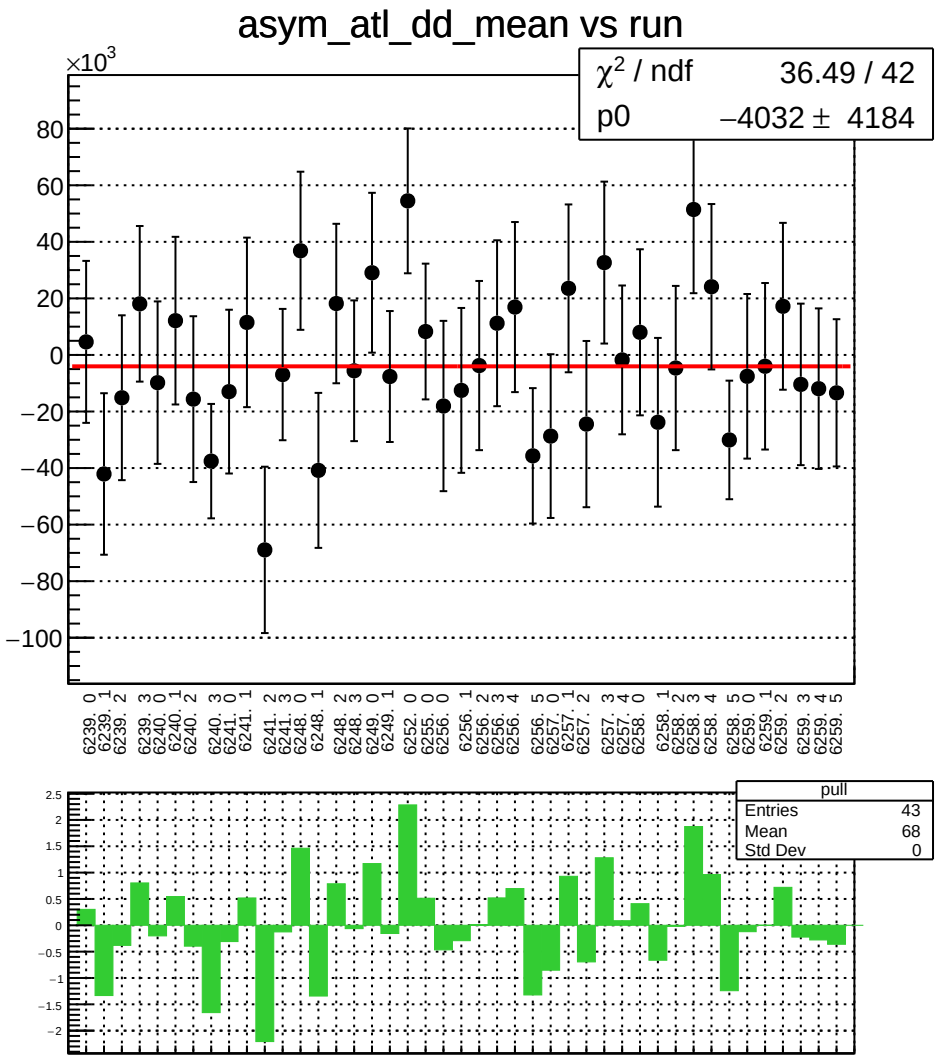

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 44.11 / 42
p0 −2090 ± 2283
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 469.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.004219
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

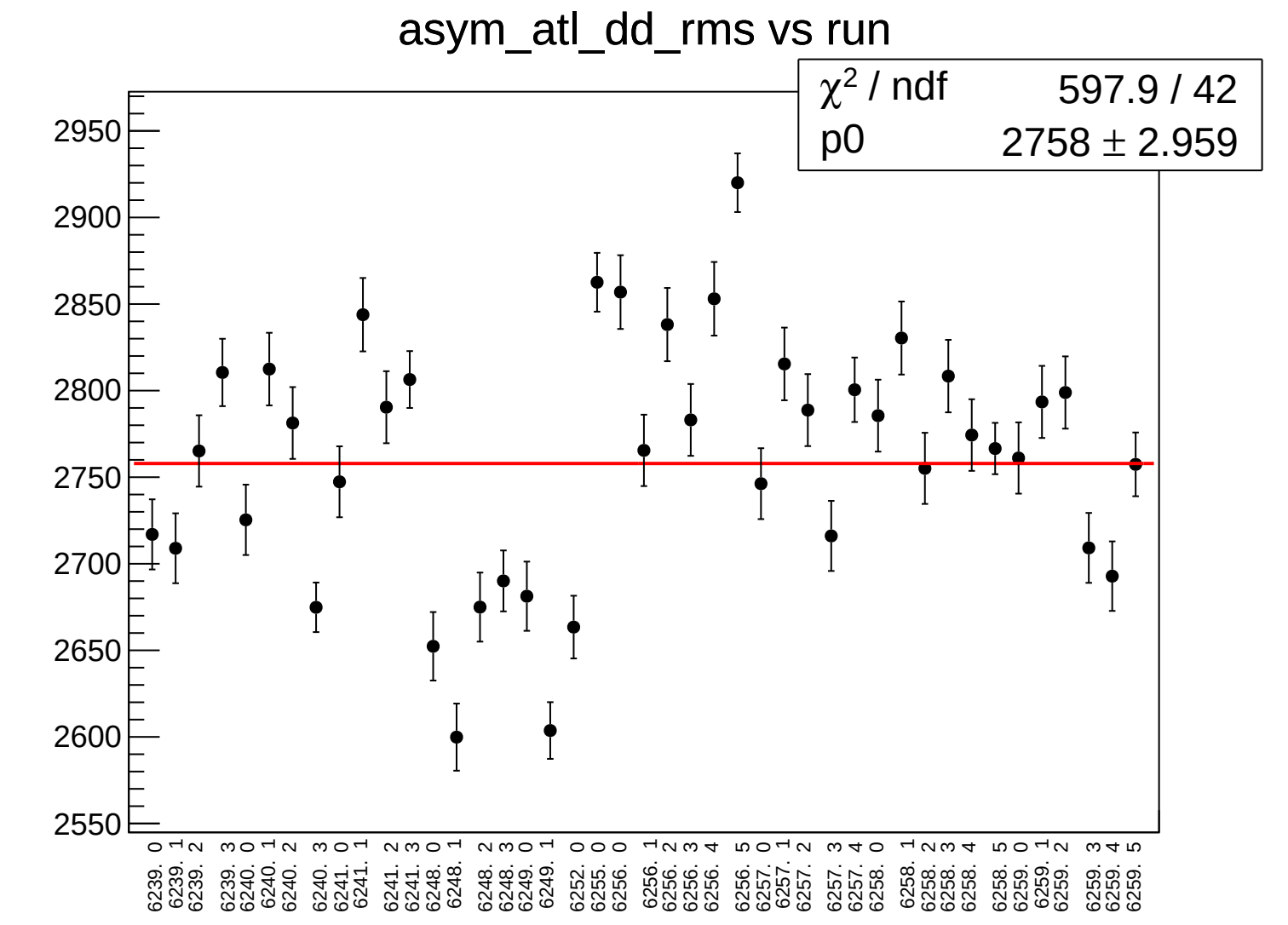

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 83.51 / 42
p0 1505 ± 1.614
1550
1540
1530
1520
1510
1500
1490
1480
1470
1460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

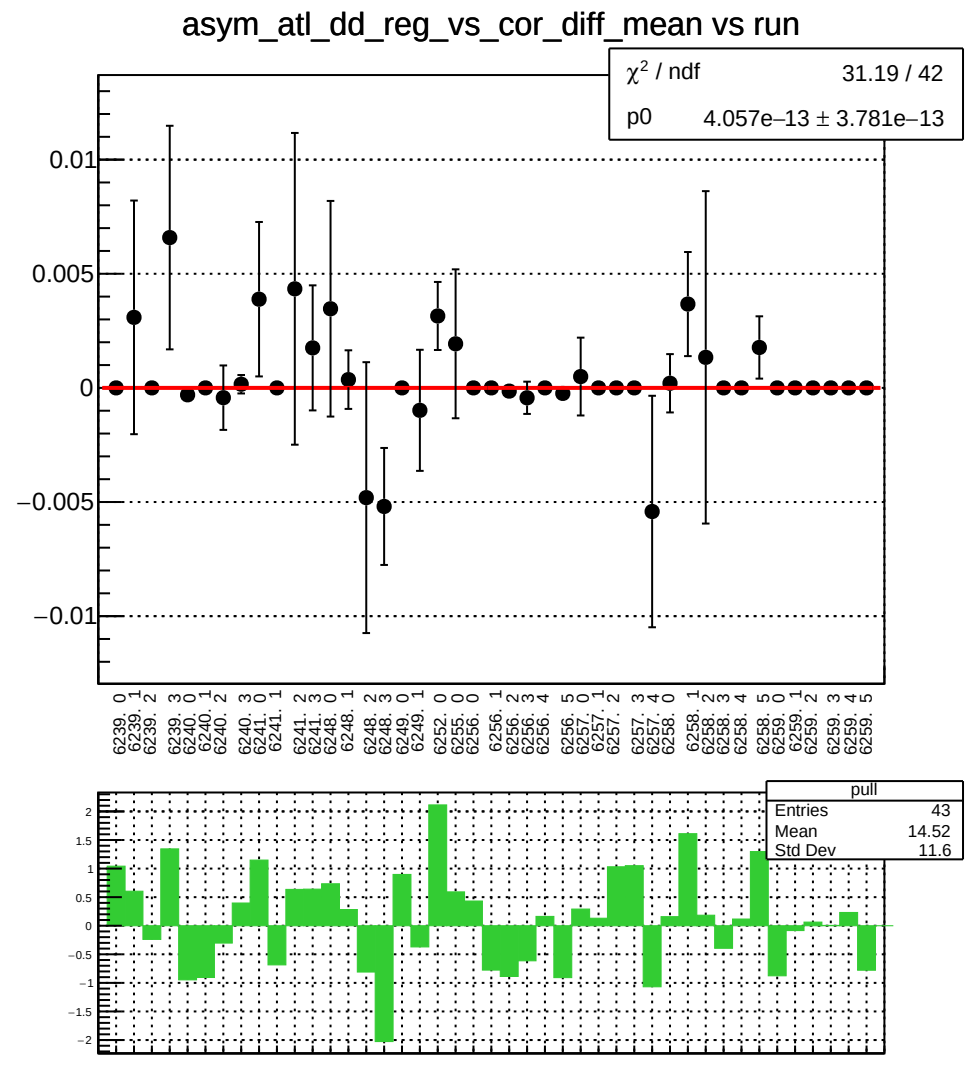

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.09 / 42
p0 1867 ± 3499
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.77
Std Dev 0
2
1
0
−1
−2

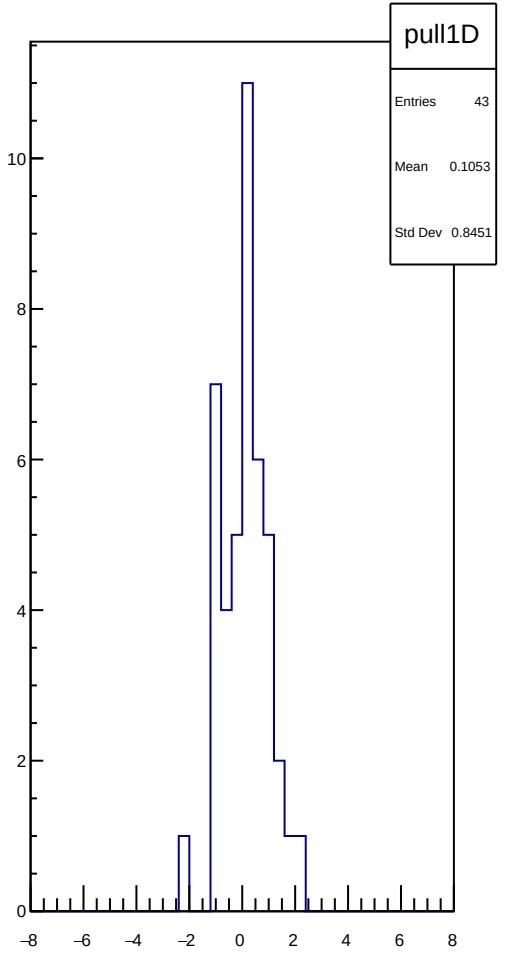

pull1D
Entries 43
Mean −0.02803
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

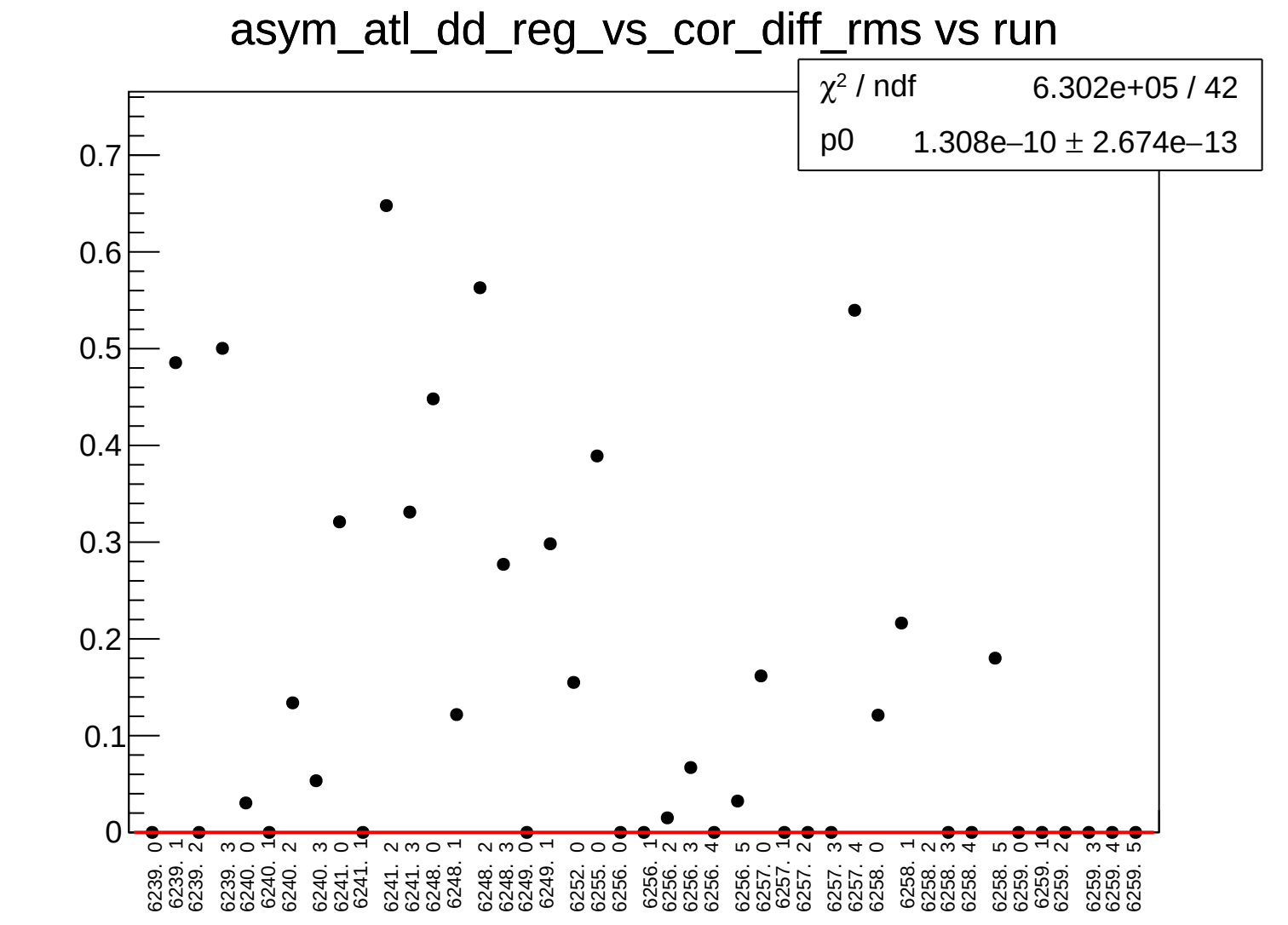

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 1151 / 42
p0 2306 ± 2.474
2500
2400
2300
2200
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

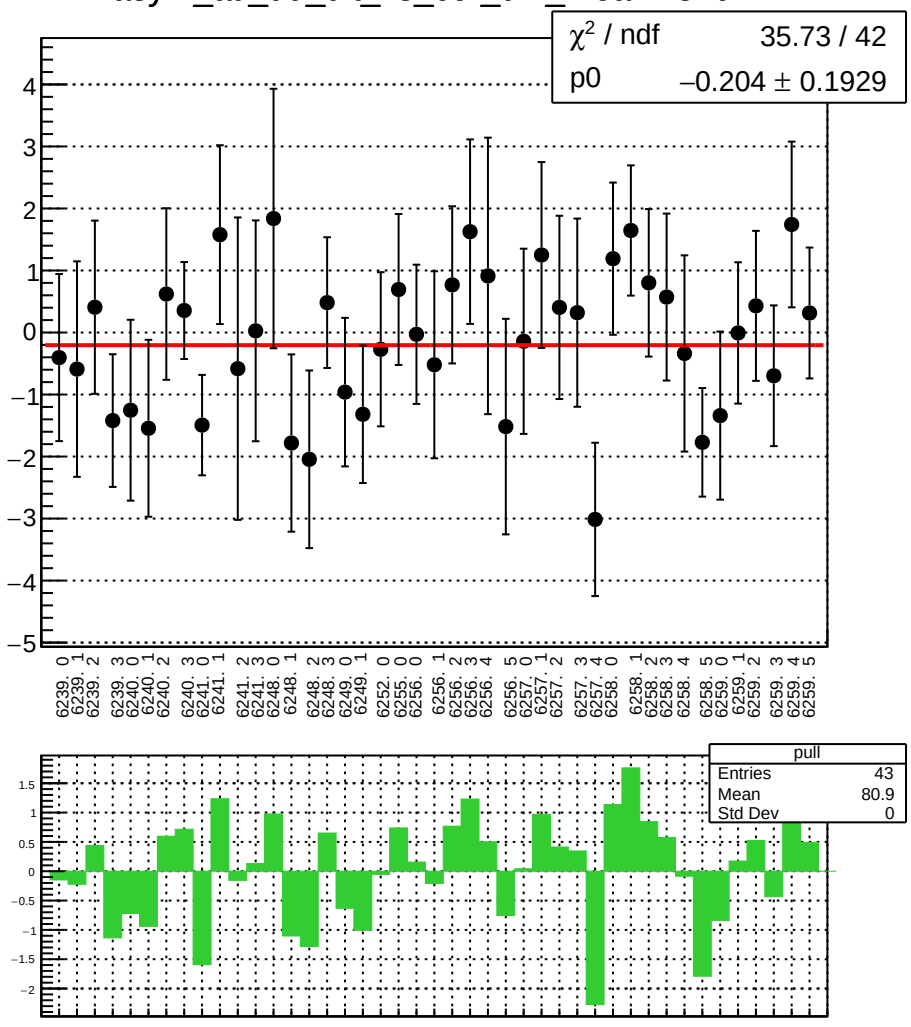

asym_atl_dd_mean vs run
×10^3
χ² / ndf 36.49 / 42
p0 −4032 ± 4184
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02741
Std Dev 0.9208
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

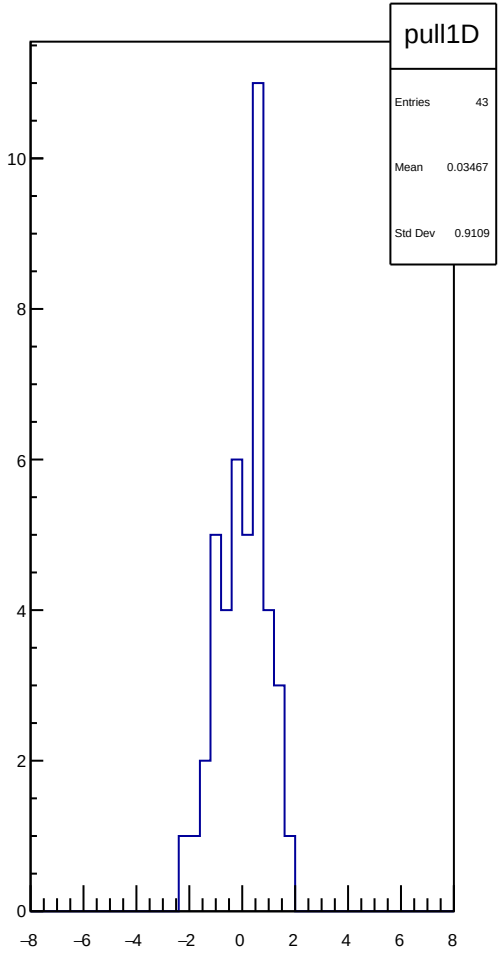

asym_atl_dd_rms vs run
χ² / ndf 597.9 / 42
p0 2758 ± 2.959
2950
2900
2850
2800
2750
2700
2650
2600
2550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

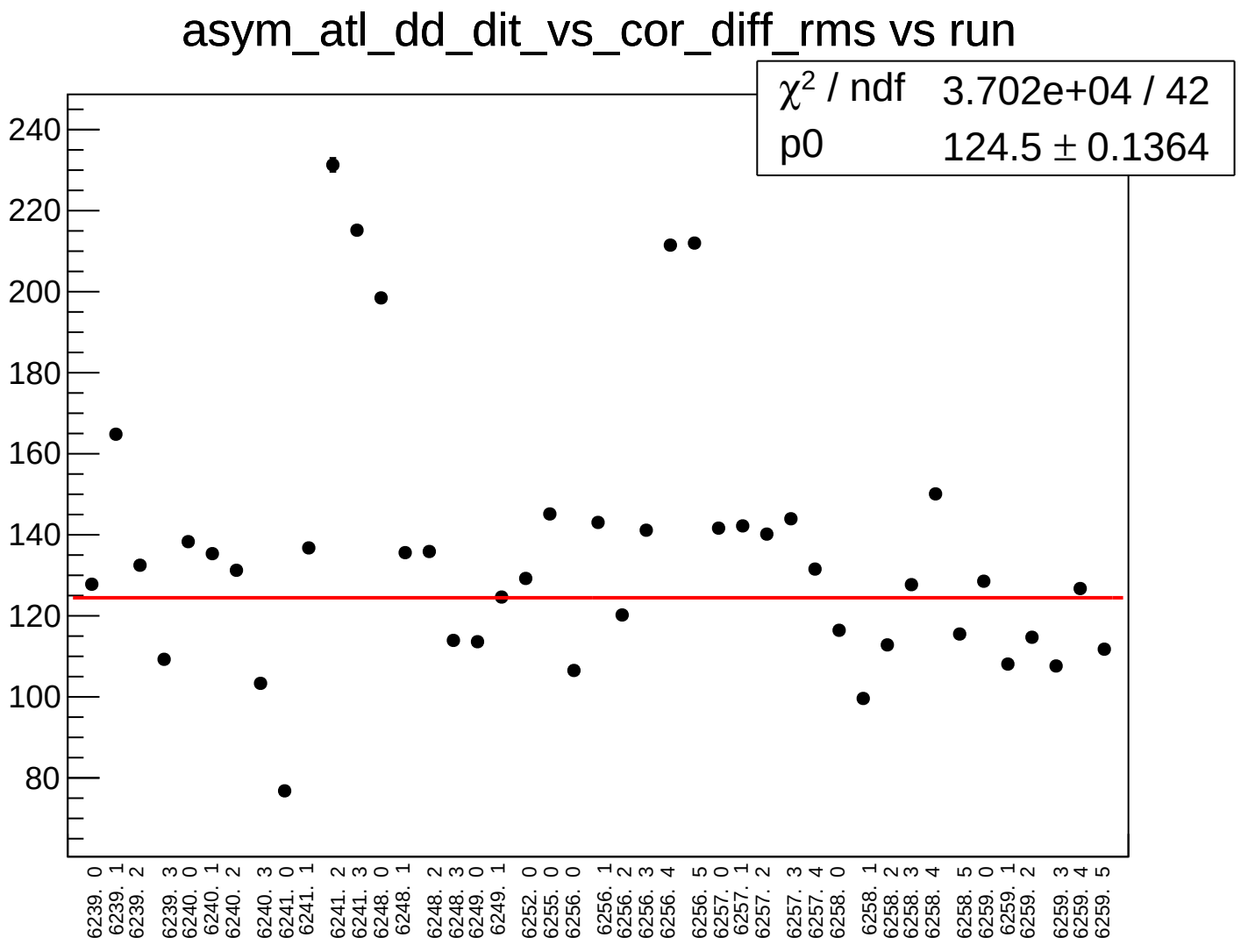

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.19 / 42
p0 4.057e−13 ± 3.781e−13
0.01
0.005
0
−0.005
−0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.52
Std Dev 11.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

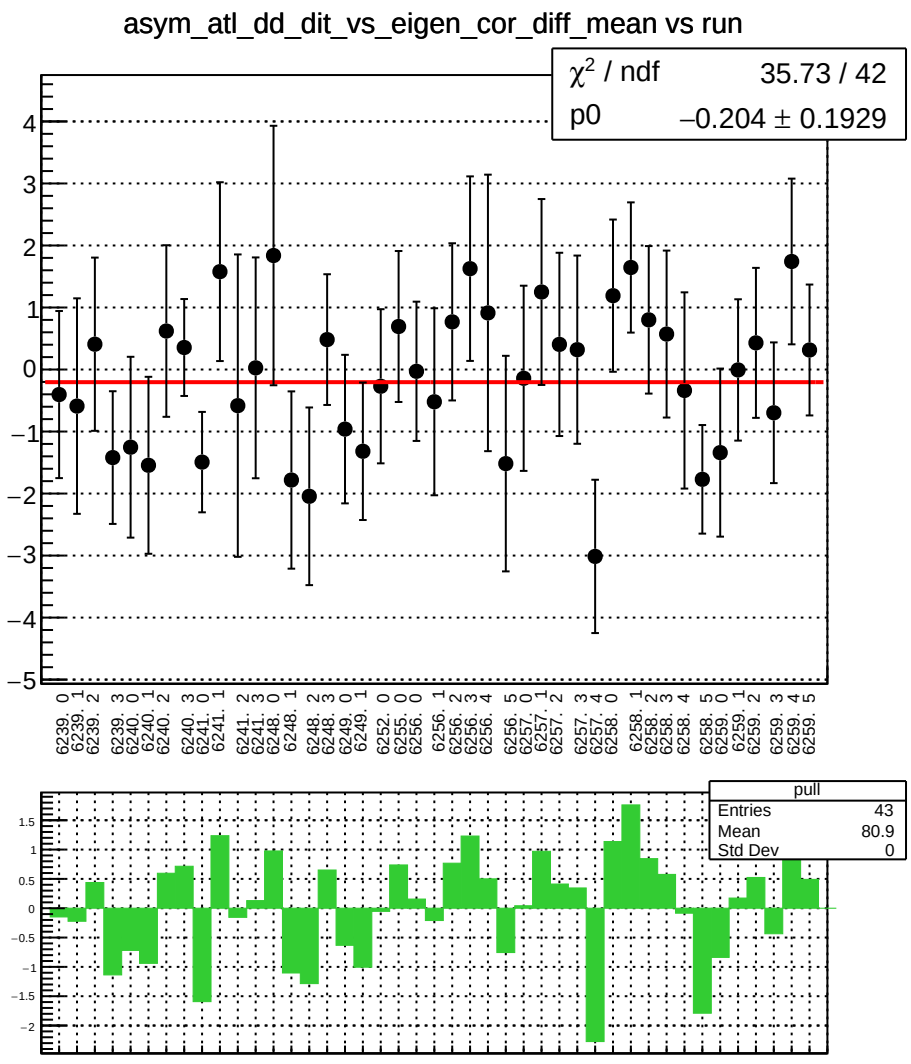

pull1D
Entries 43
Mean 0.1053
Std Dev 0.8451
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

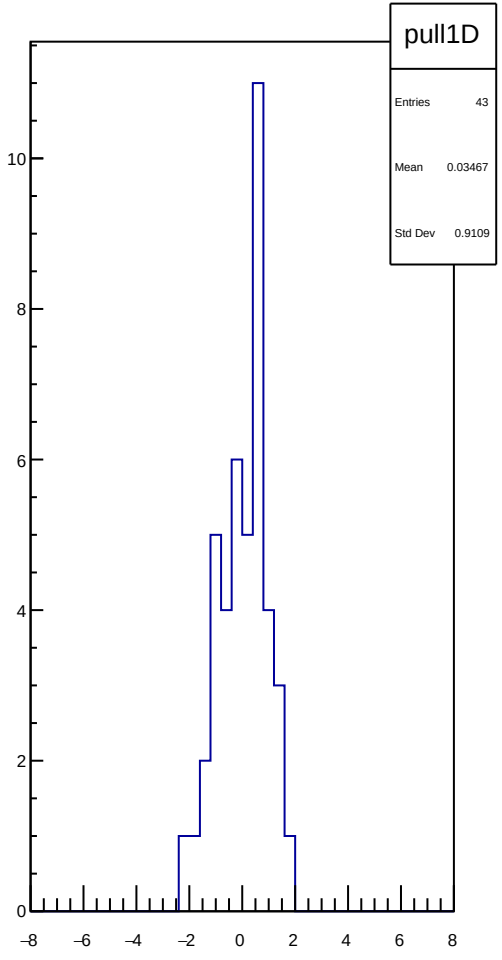

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.302e+05 / 42
p0 1.308e−10 ± 2.674e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

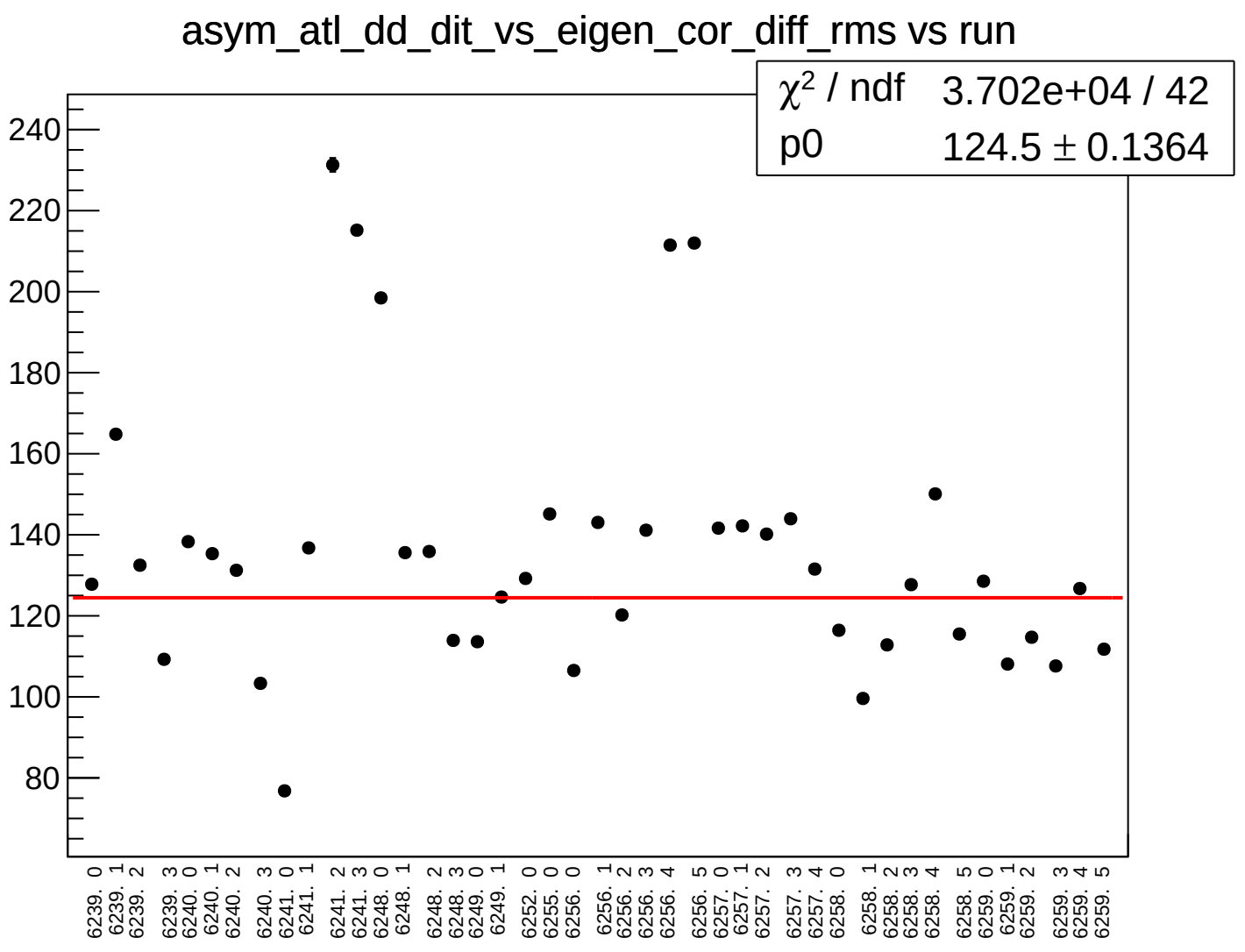

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.73 / 42
p0 −0.204 ± 0.1929
pull
Entries 43
Mean 80.9
Std Dev 0

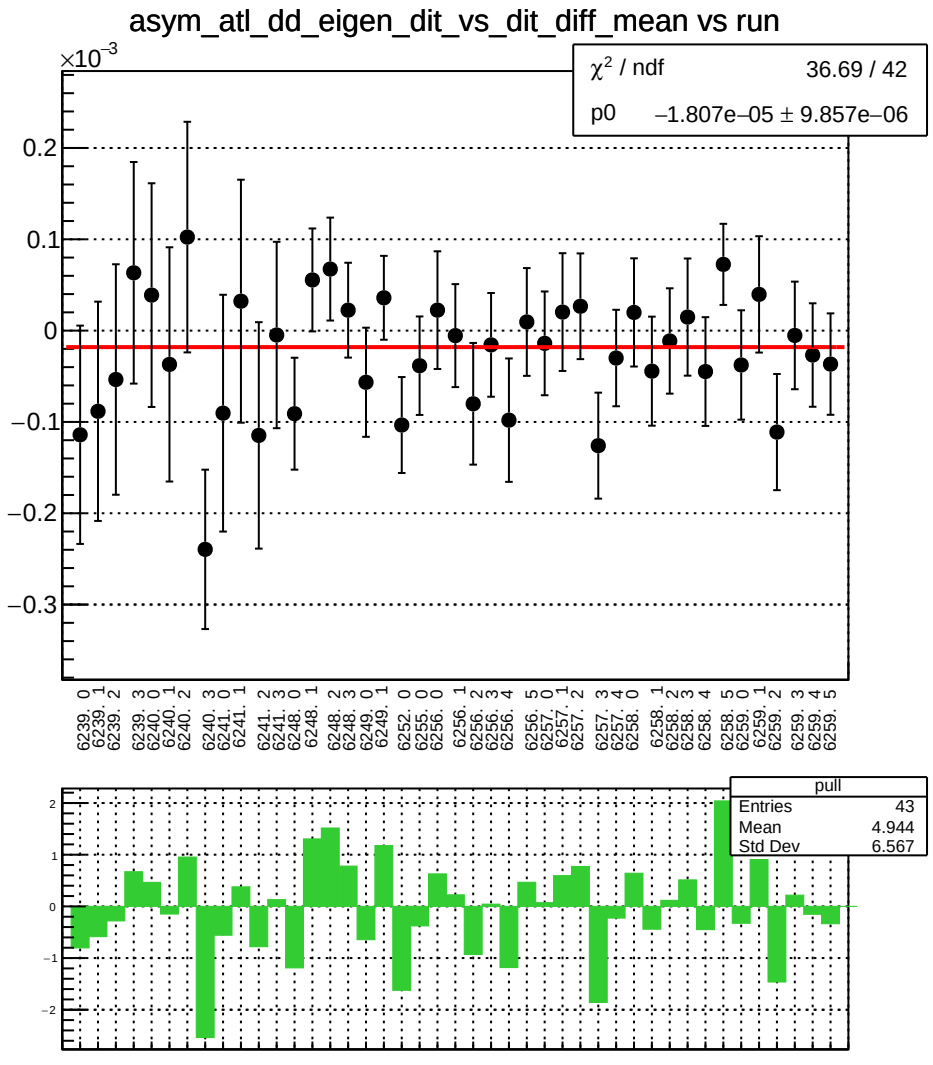

pull1D
Entries 43
Mean 0.03467
Std Dev 0.9109

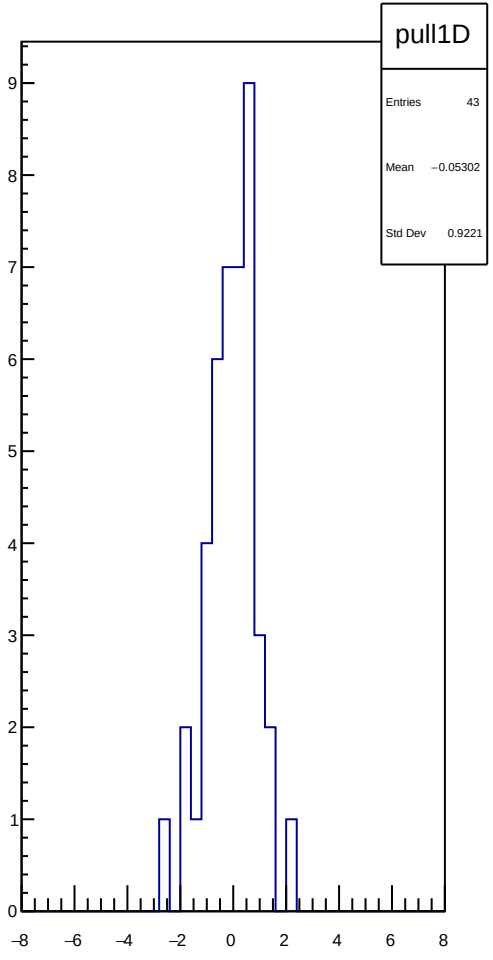

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 42
p0 124.5 ± 0.1364
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

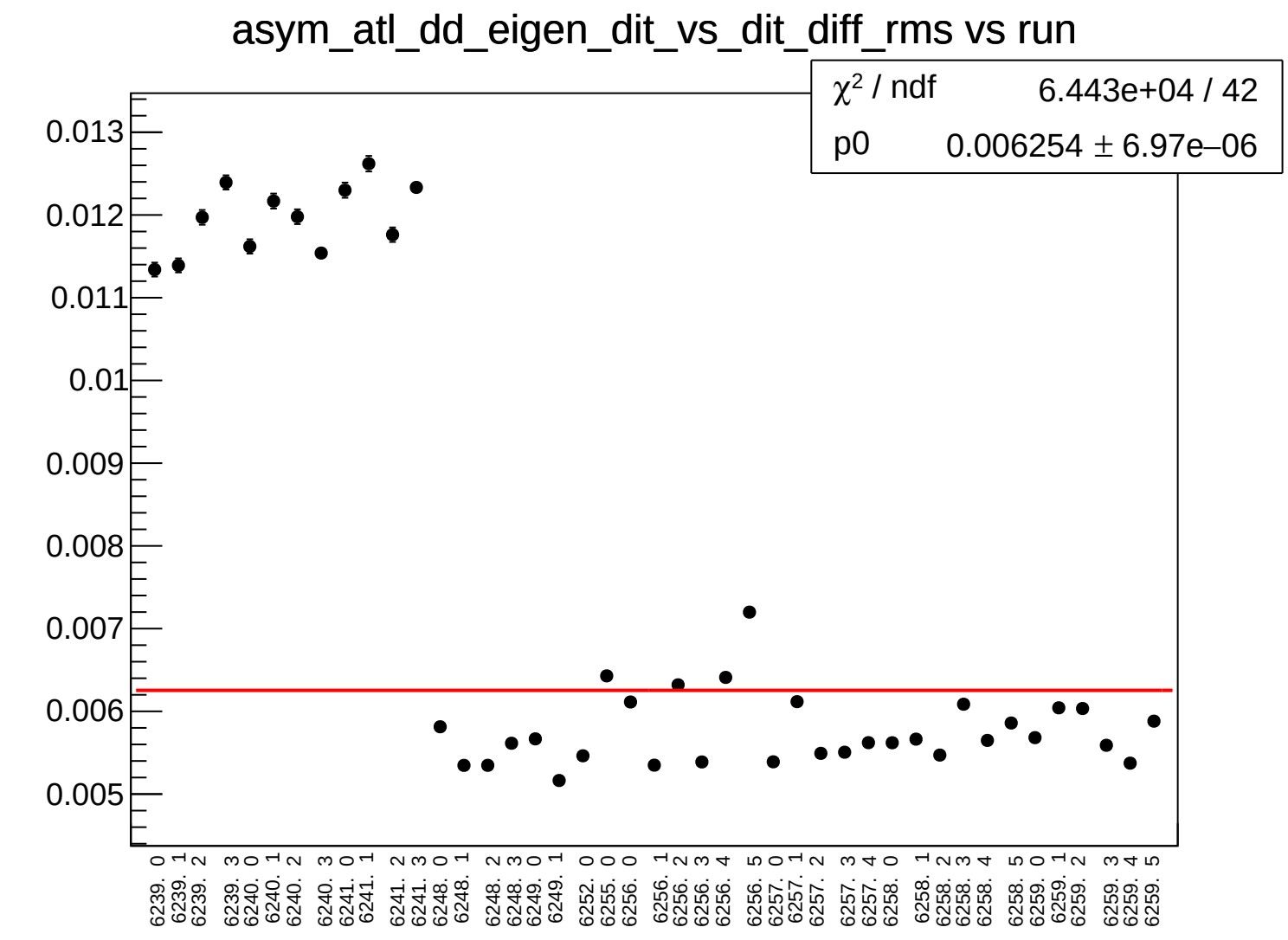

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.73 / 42
p0 −0.204 ± 0.1929
pull
Entries 43
Mean 80.9
Std Dev 0

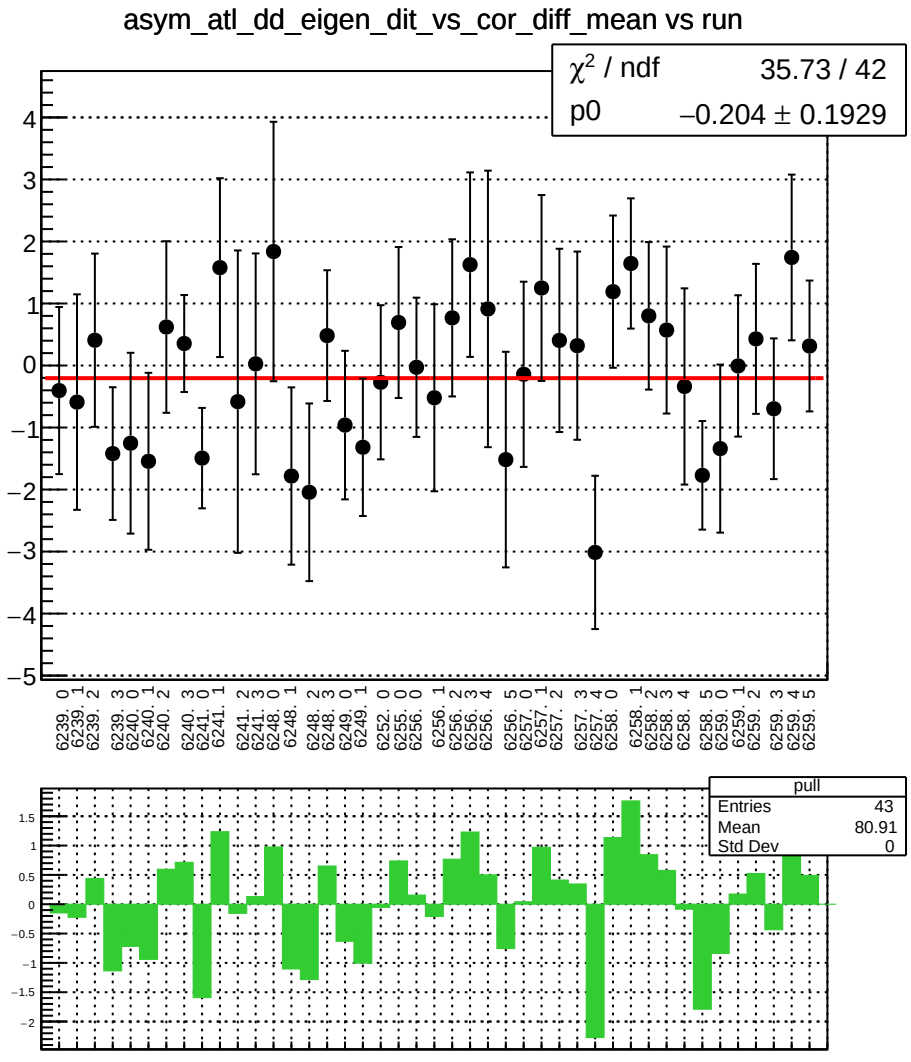

pull1D
Entries 43
Mean 0.03467
Std Dev 0.9109

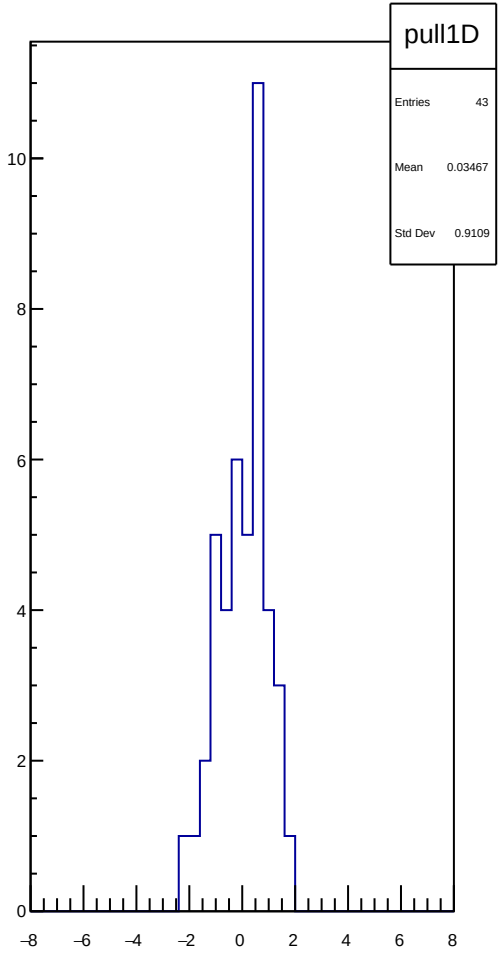

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 42
p0 124.5 ± 0.1364
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

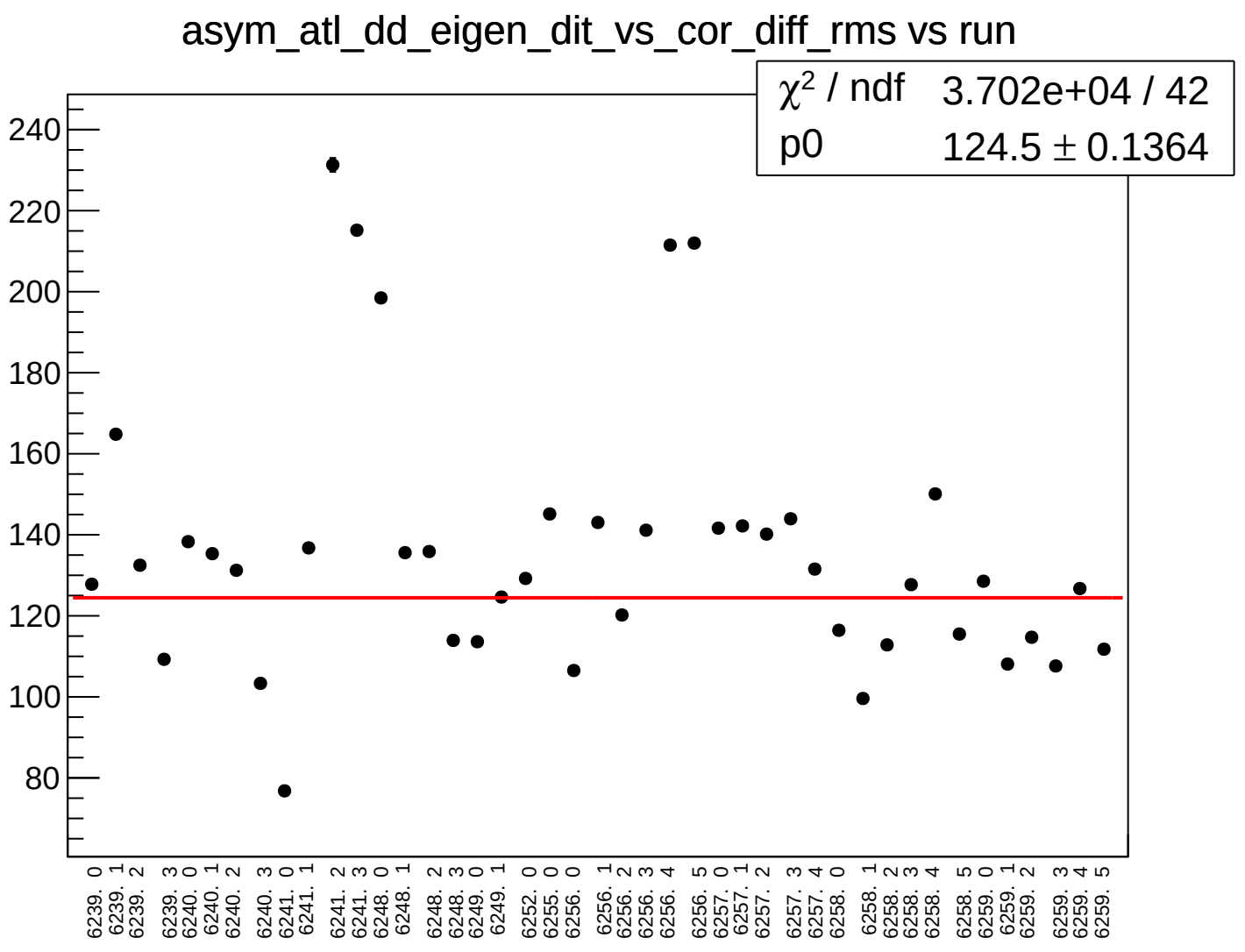

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.69 / 42
p0 −1.807e−05 ± 9.857e−06
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.944
Std Dev 6.567
2
1
0
−1
−2

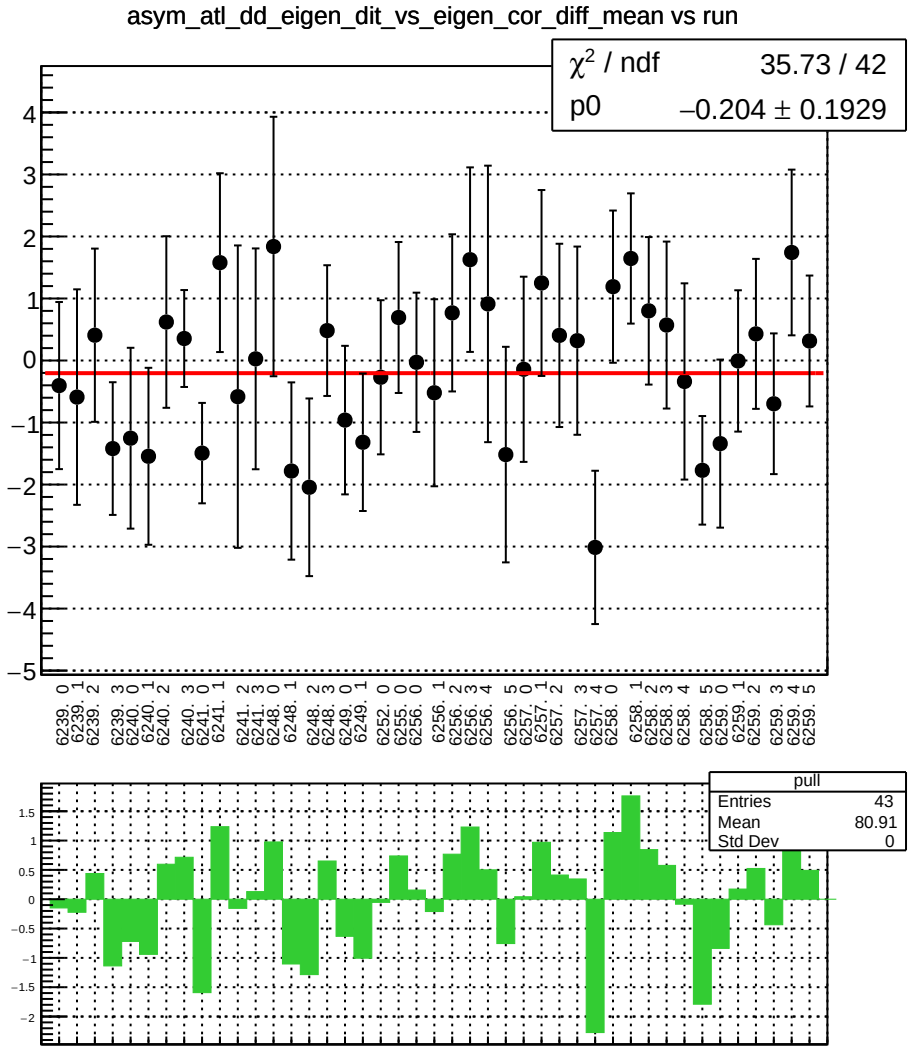

pull1D
Entries 43
Mean −0.05302
Std Dev 0.9221
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

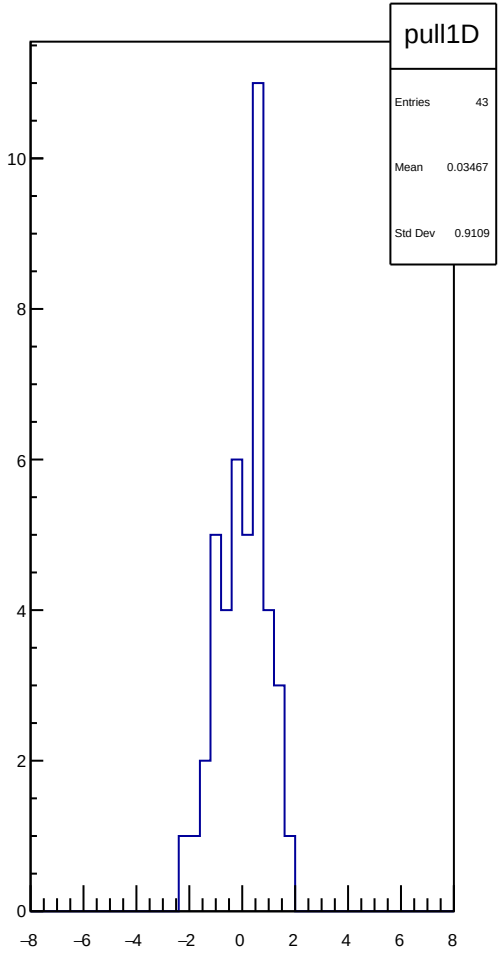

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.443e+04 / 42
p0 0.006254 ± 6.97e–06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

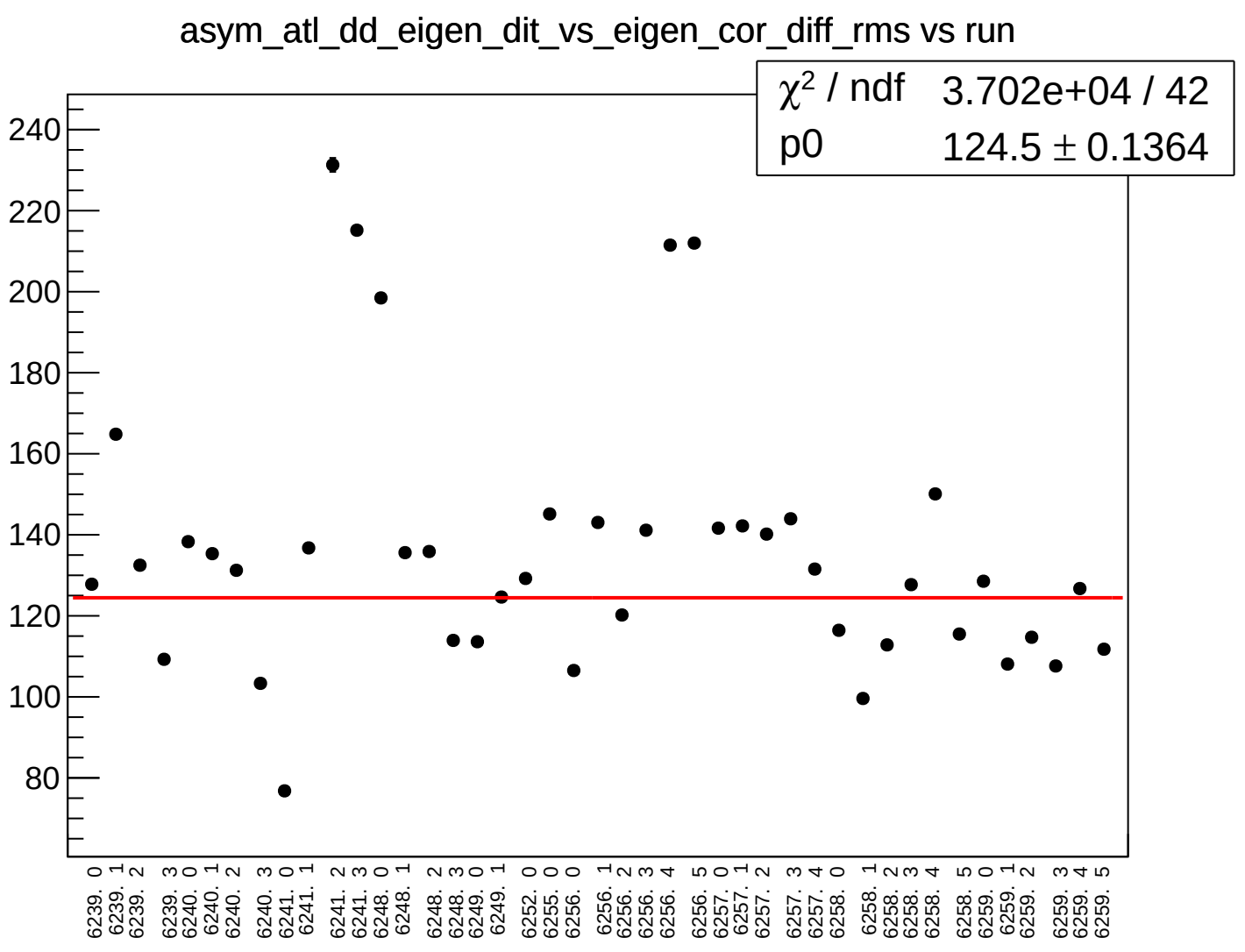

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.73 / 42
p0 −0.204 ± 0.1929
pull
Entries 43
Mean 80.91
Std Dev 0

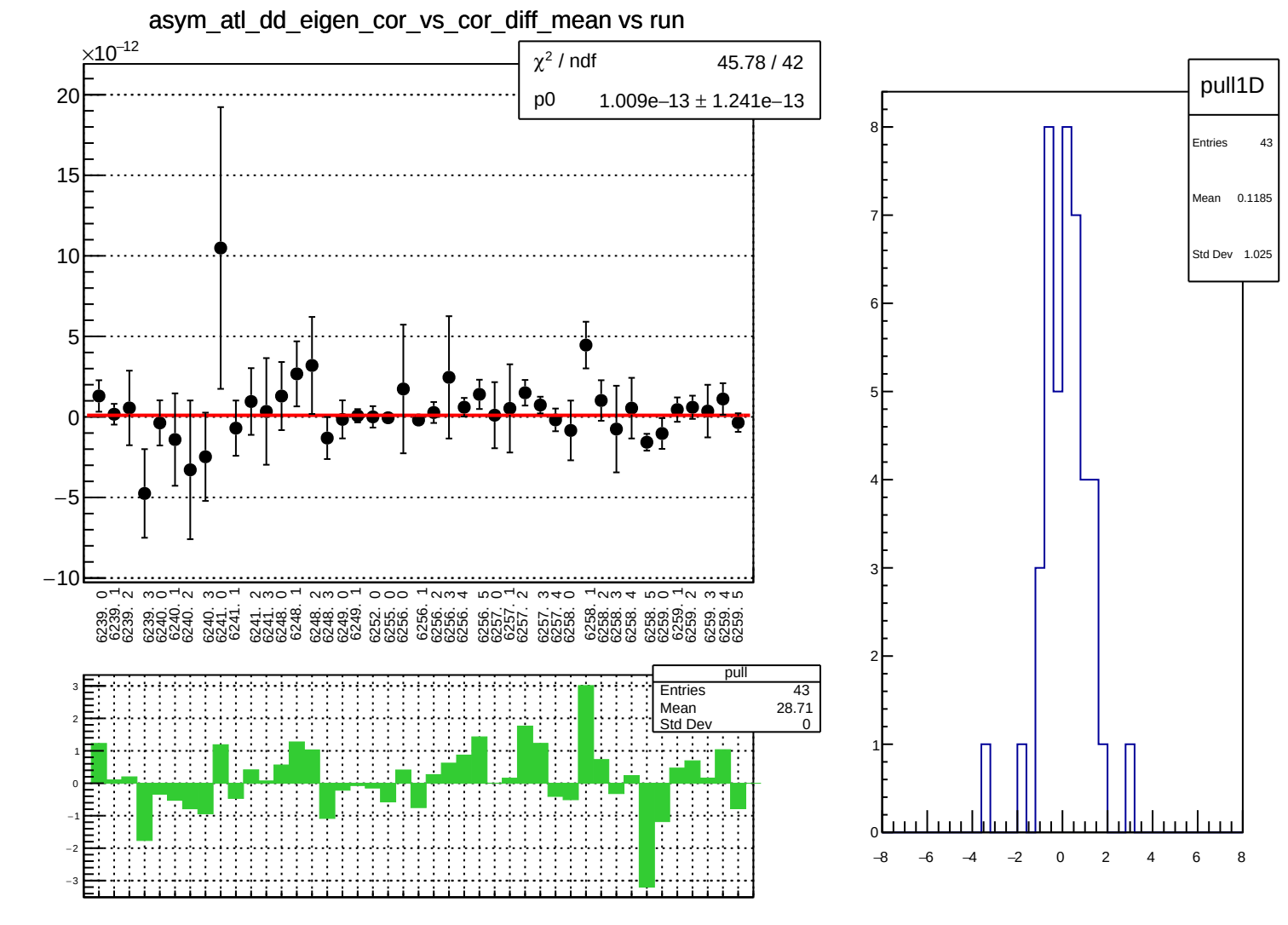

pull1D
Entries 43
Mean 0.03467
Std Dev 0.9109

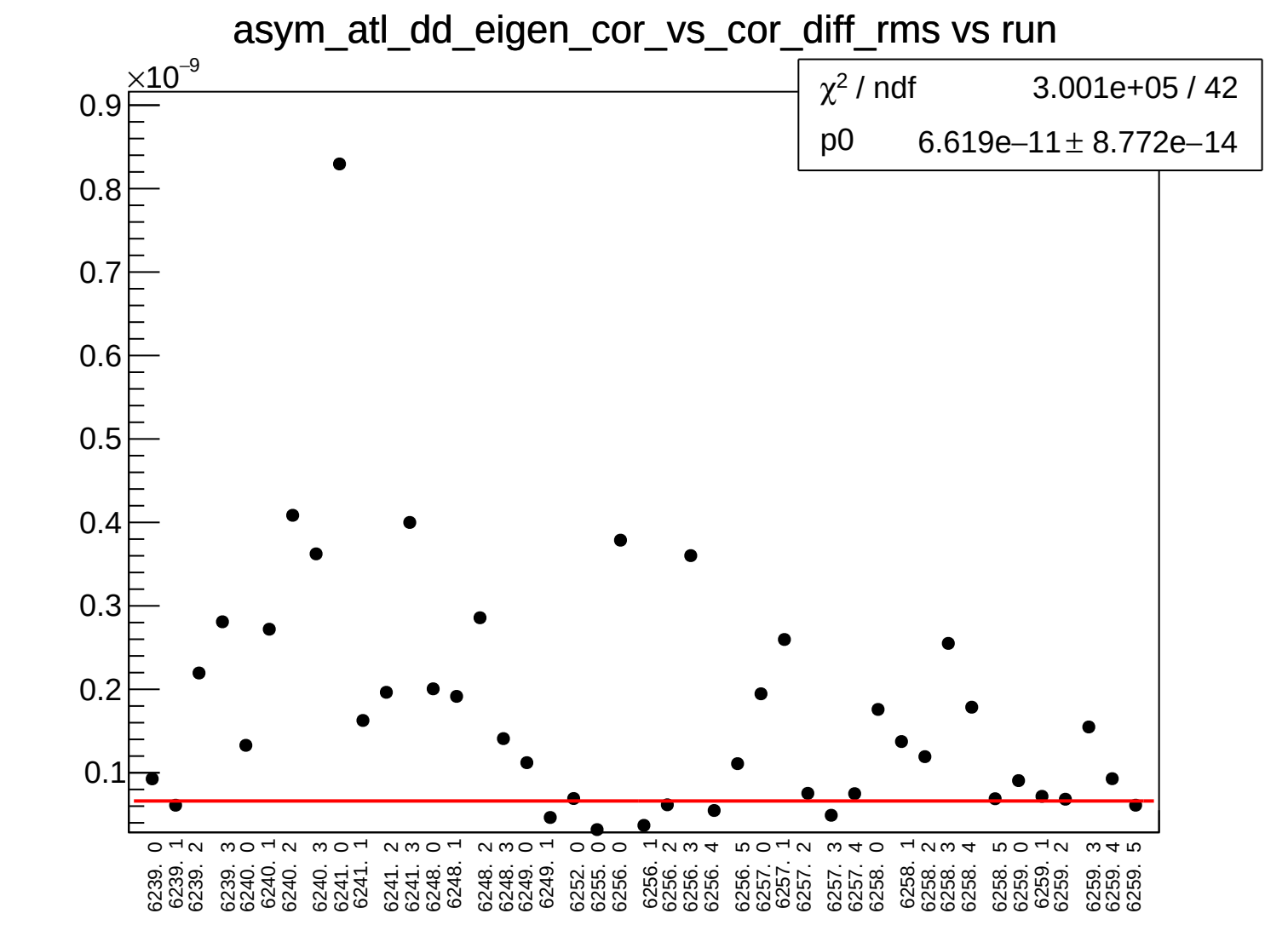

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 42
p0 124.5 ± 0.1364
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

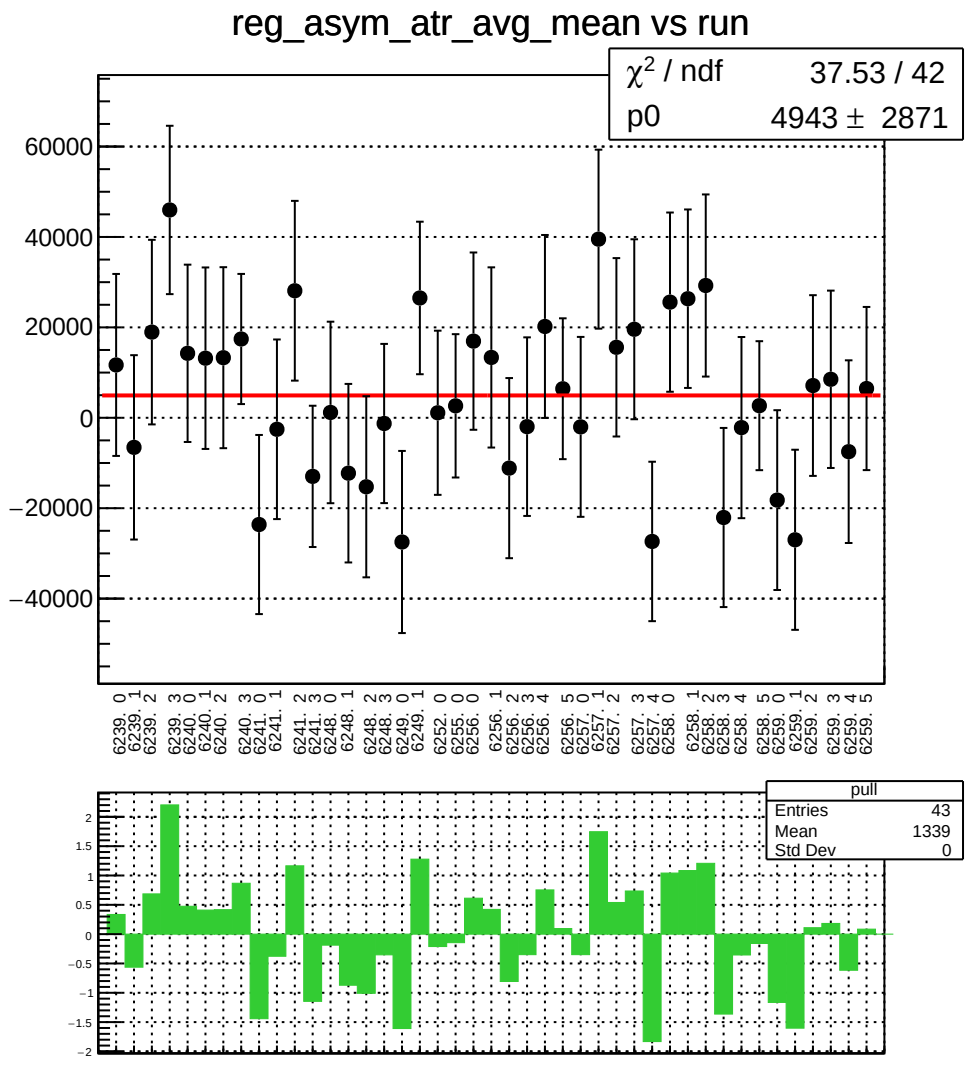

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.73 / 42
p0 −0.204 ± 0.1929
pull
Entries 43
Mean 80.91
Std Dev 0

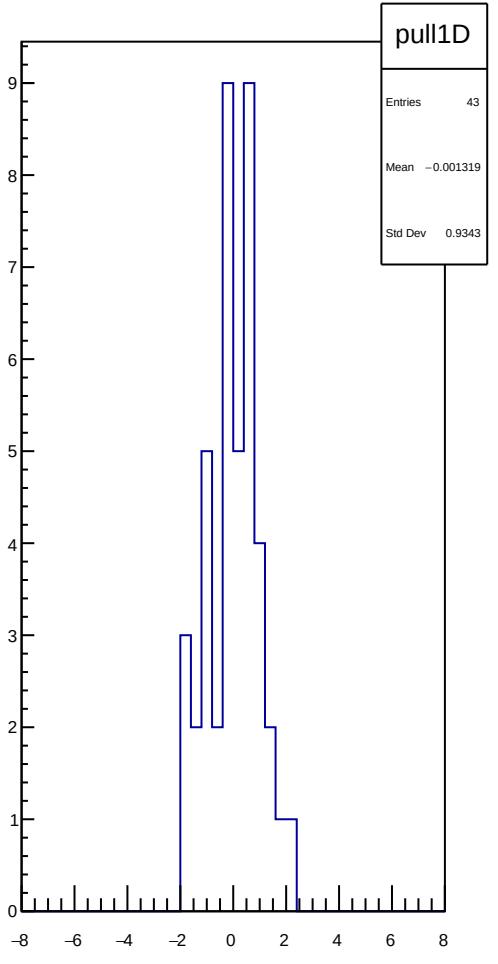

pull1D
Entries 43
Mean 0.03467
Std Dev 0.9109

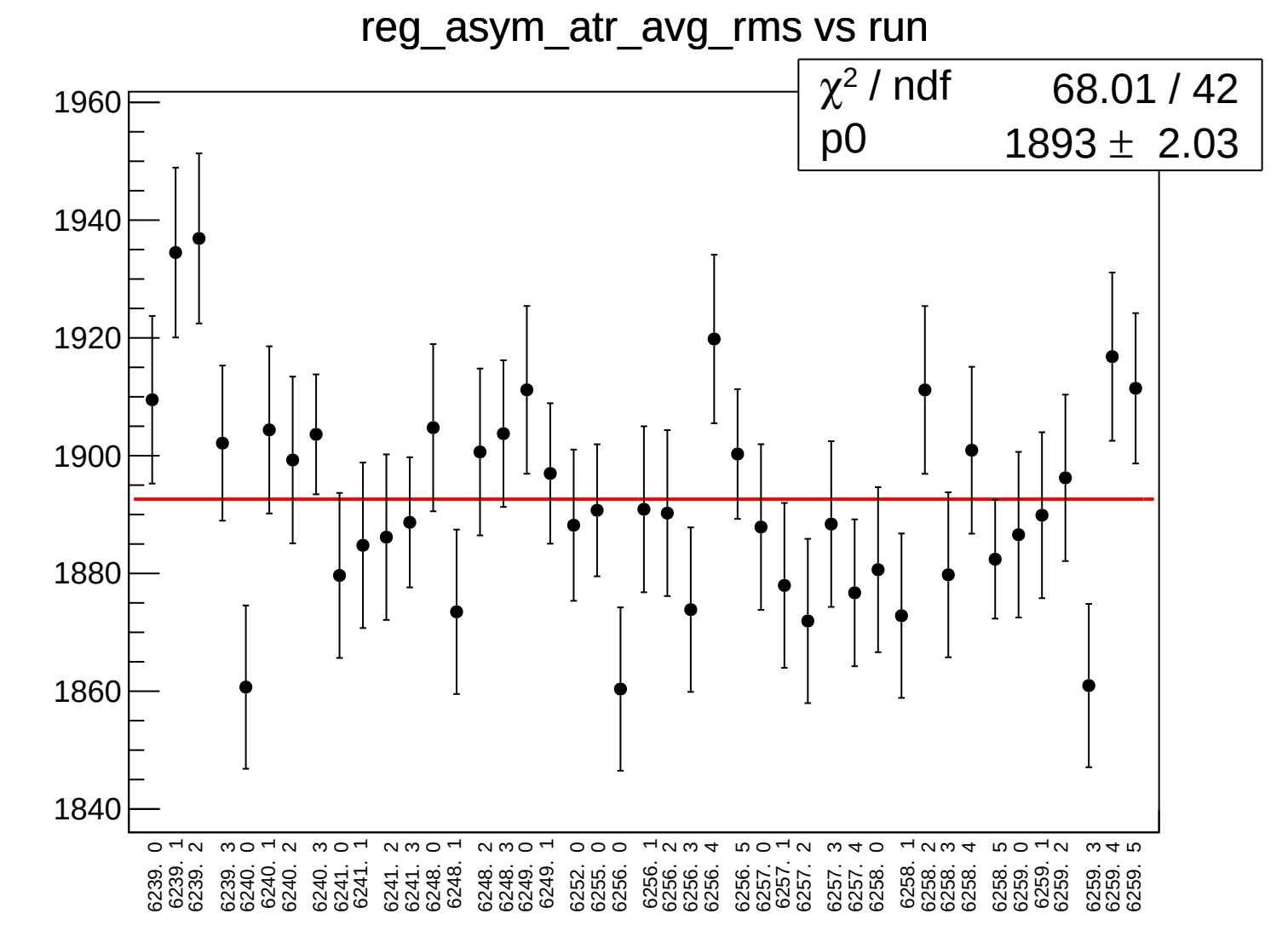

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 42
p0 124.5 ± 0.1364
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

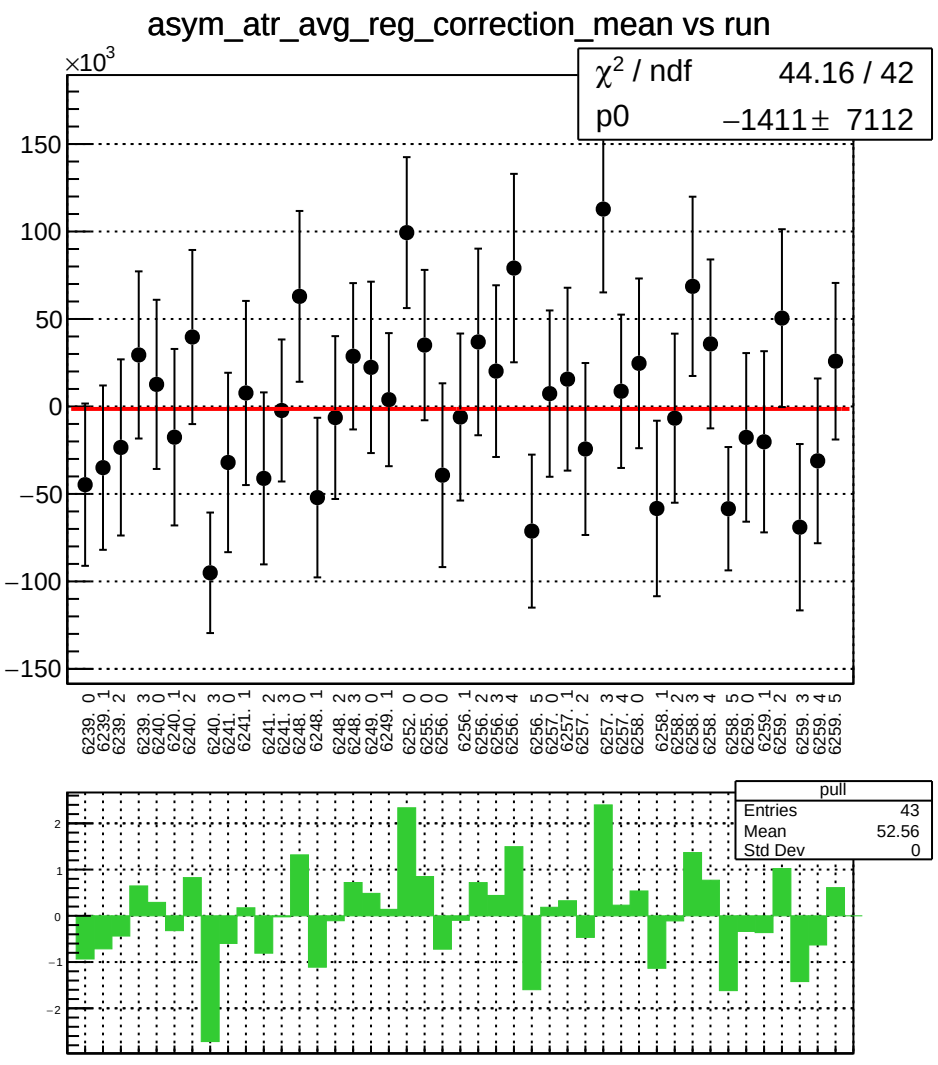

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.78 / 42
p0 1.009e−13 ± 1.241e−13
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.71
Std Dev 0
pull1D
Entries 43
Mean 0.1185
Std Dev 1.025

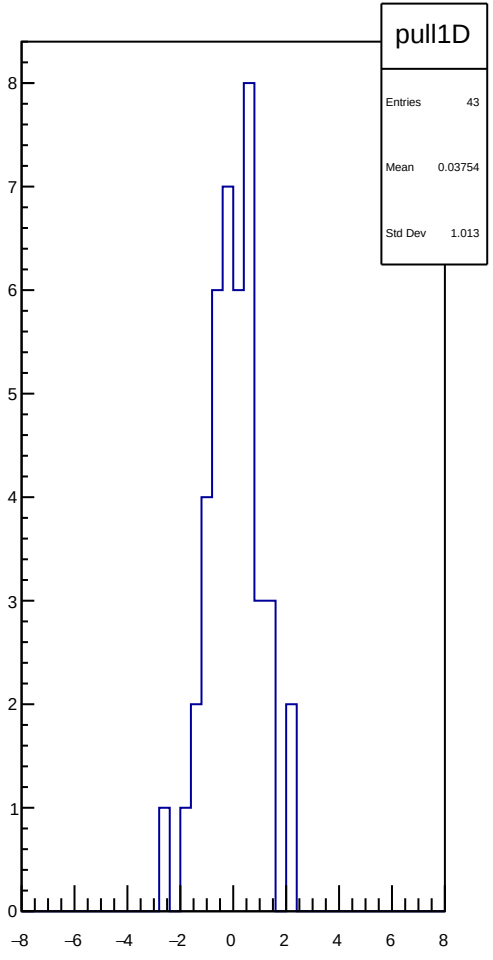

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.001e+05 / 42
p0 6.619e−11 ± 8.772e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

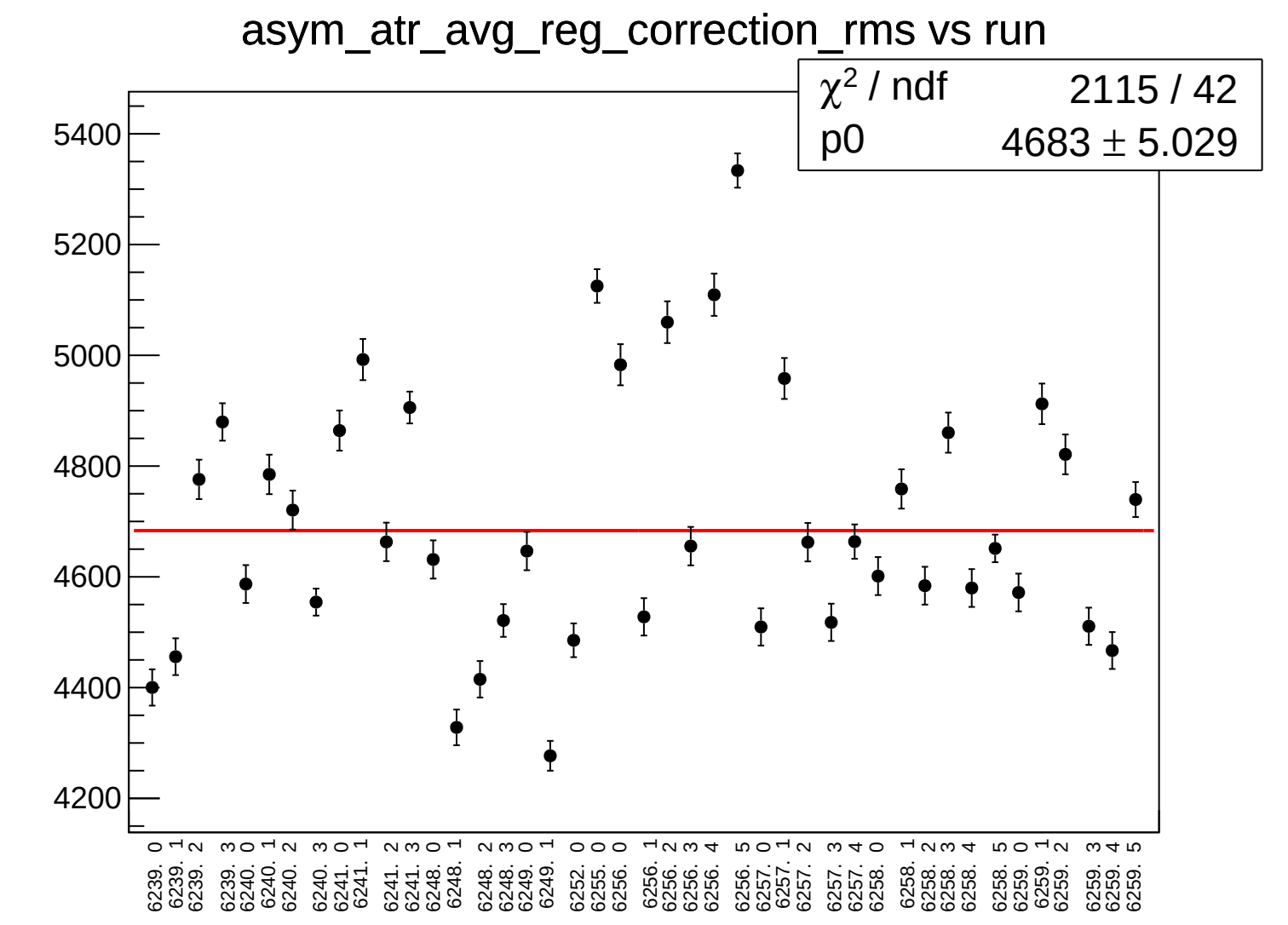

reg_asym_atr_avg_mean vs run
χ² / ndf 37.53 / 42
p0 4943 ± 2871
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1339
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

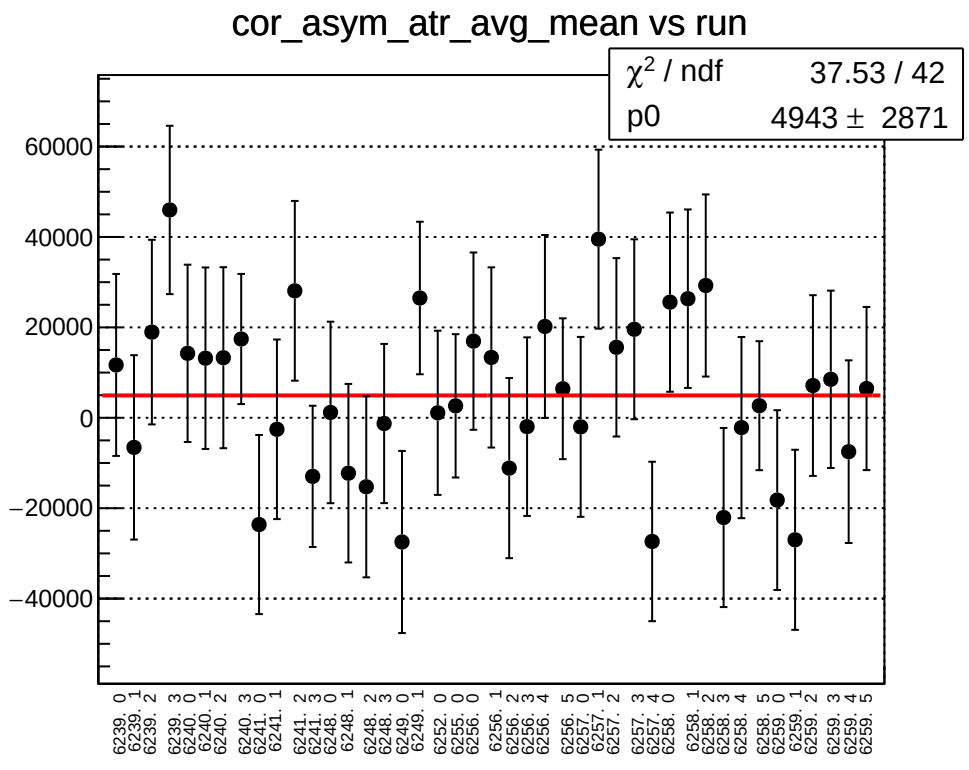

pull1D
Entries 43
Mean −0.001319
Std Dev 0.9343
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

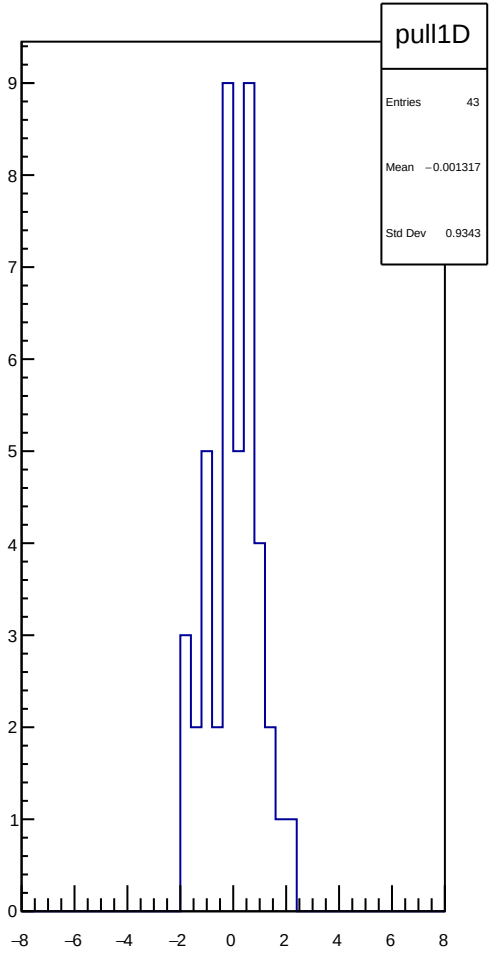

reg_asym_atr_avg_rms vs run
χ² / ndf 68.01 / 42
p0 1893 ± 2.03
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

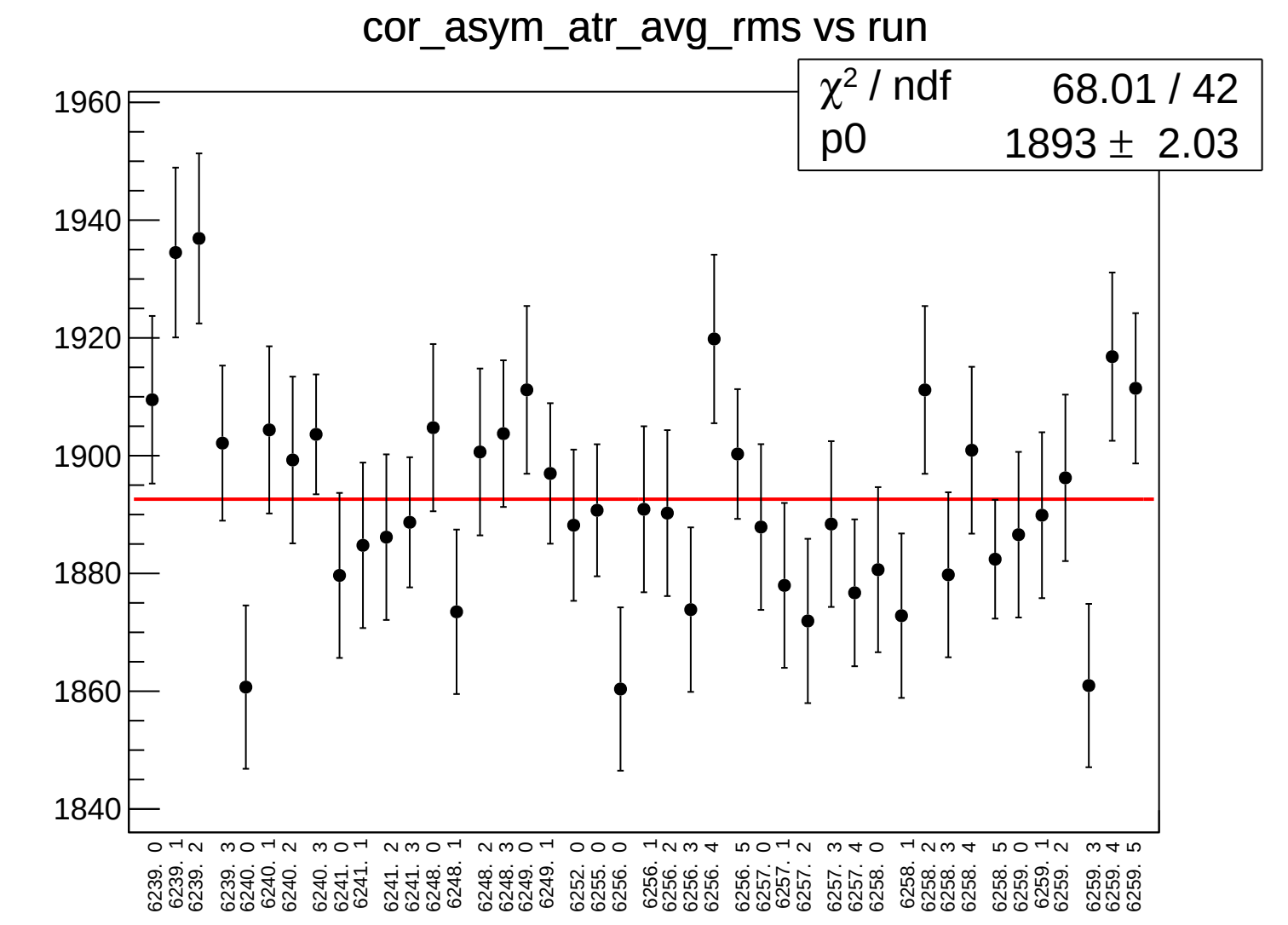

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.16 / 42
p0 −1411 ± 7112
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.56
Std Dev 0
2
1
0
−1
−2

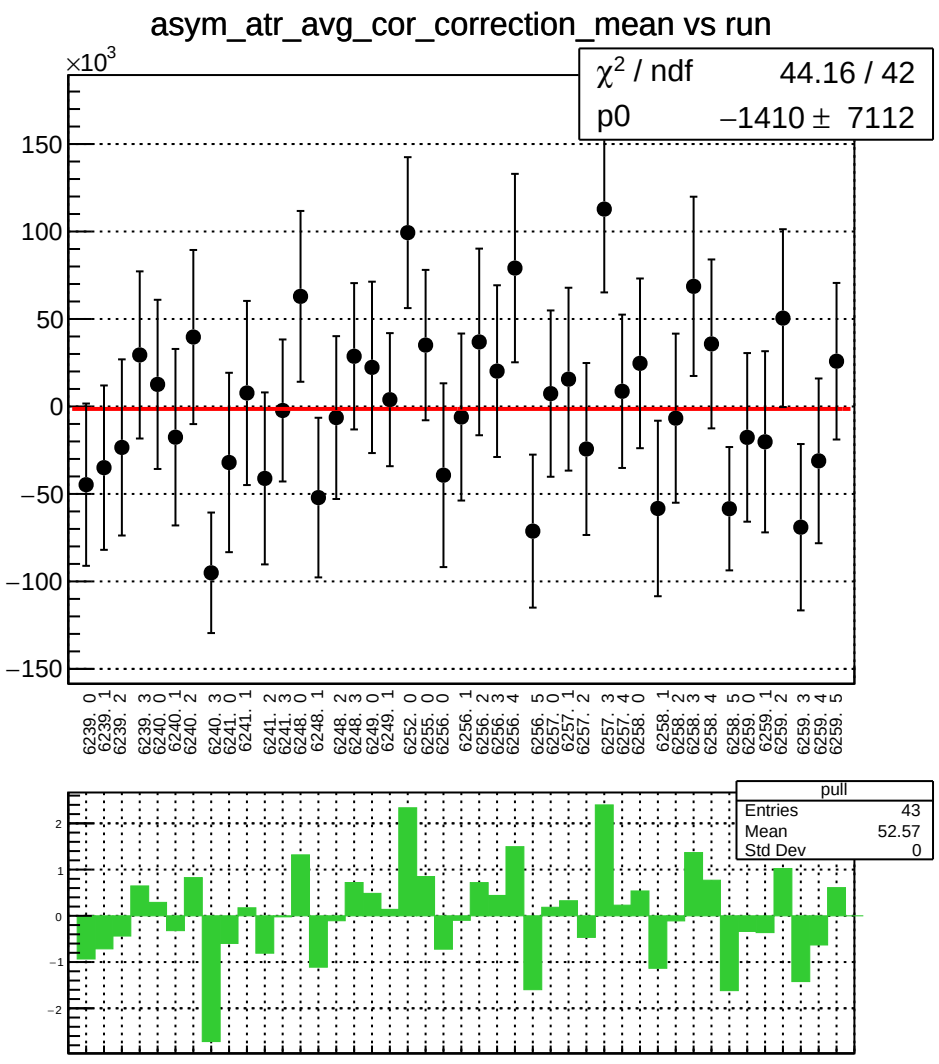

pull1D
Entries 43
Mean 0.03754
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

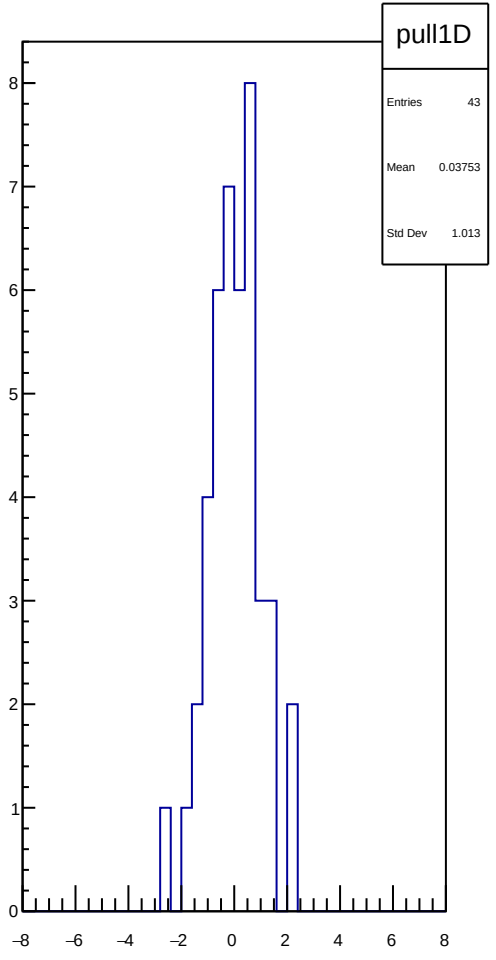

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 2115 / 42
p0 4683 ± 5.029
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

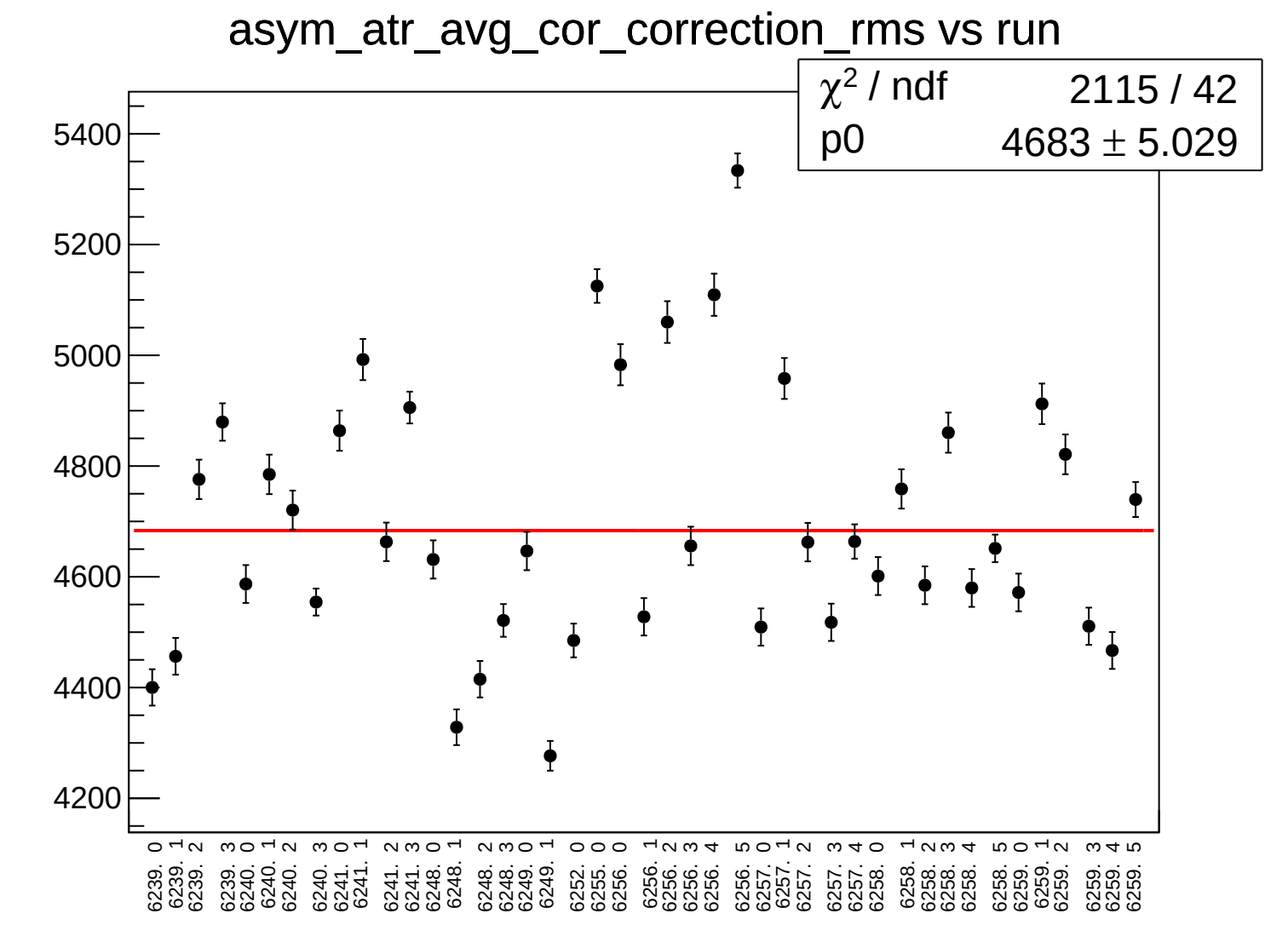

cor_asym_atr_avg_mean vs run
χ² / ndf 37.53 / 42
p0 4943 ± 2871
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1340
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

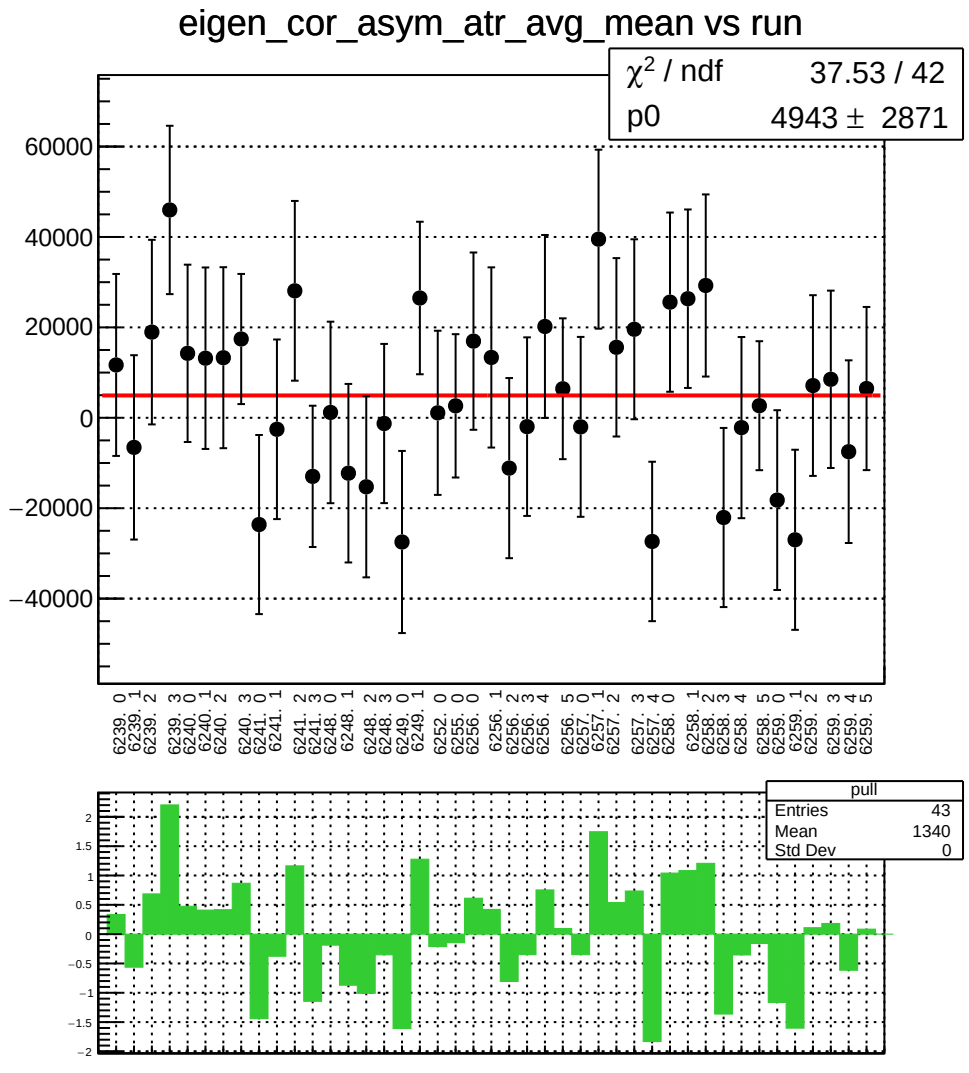

pull1D
Entries 43
Mean −0.001317
Std Dev 0.9343
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

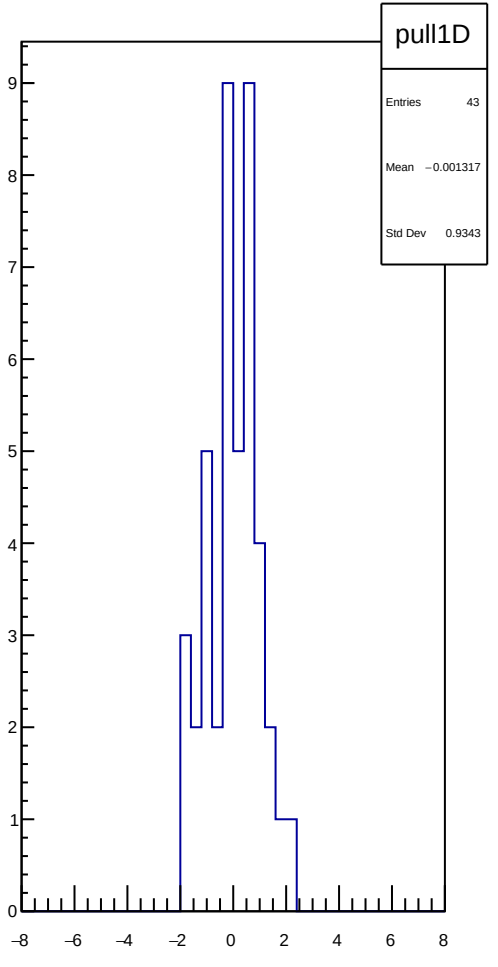

cor_asym_atr_avg_rms vs run
χ² / ndf 68.01 / 42
p0 1893 ± 2.03
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

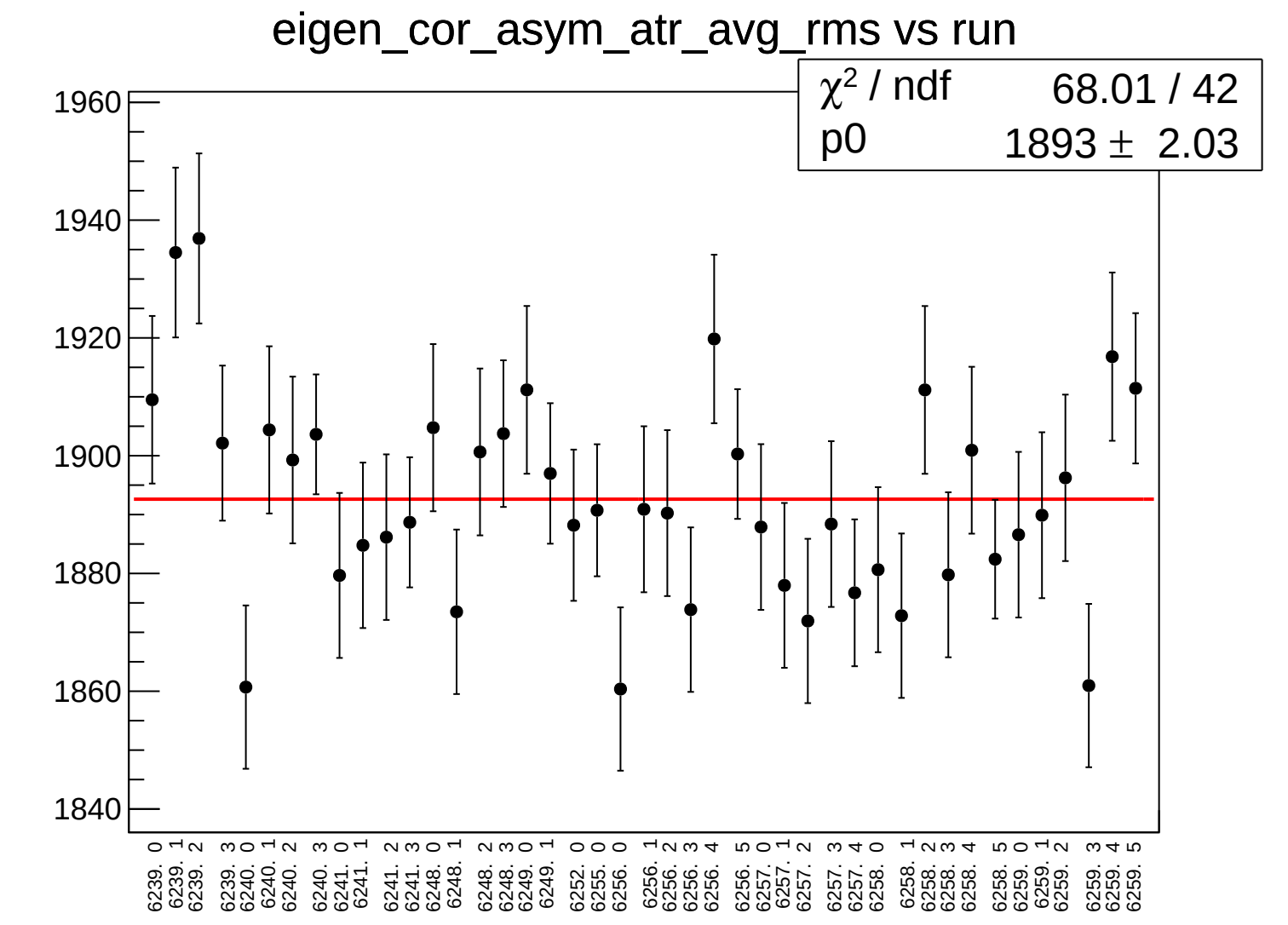

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.16 / 42
p0 −1410 ± 7112
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.57
Std Dev 0
2
1
0
−1
−2

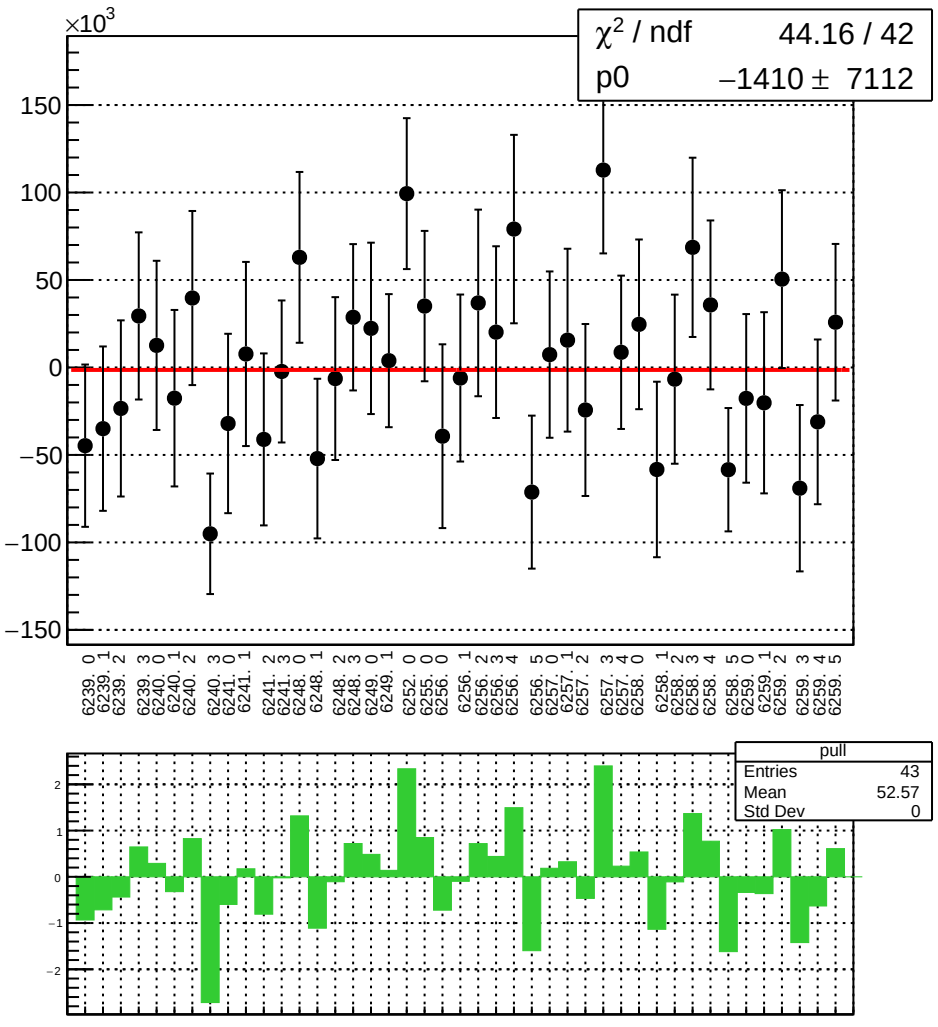

pull1D
Entries 43
Mean 0.03753
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

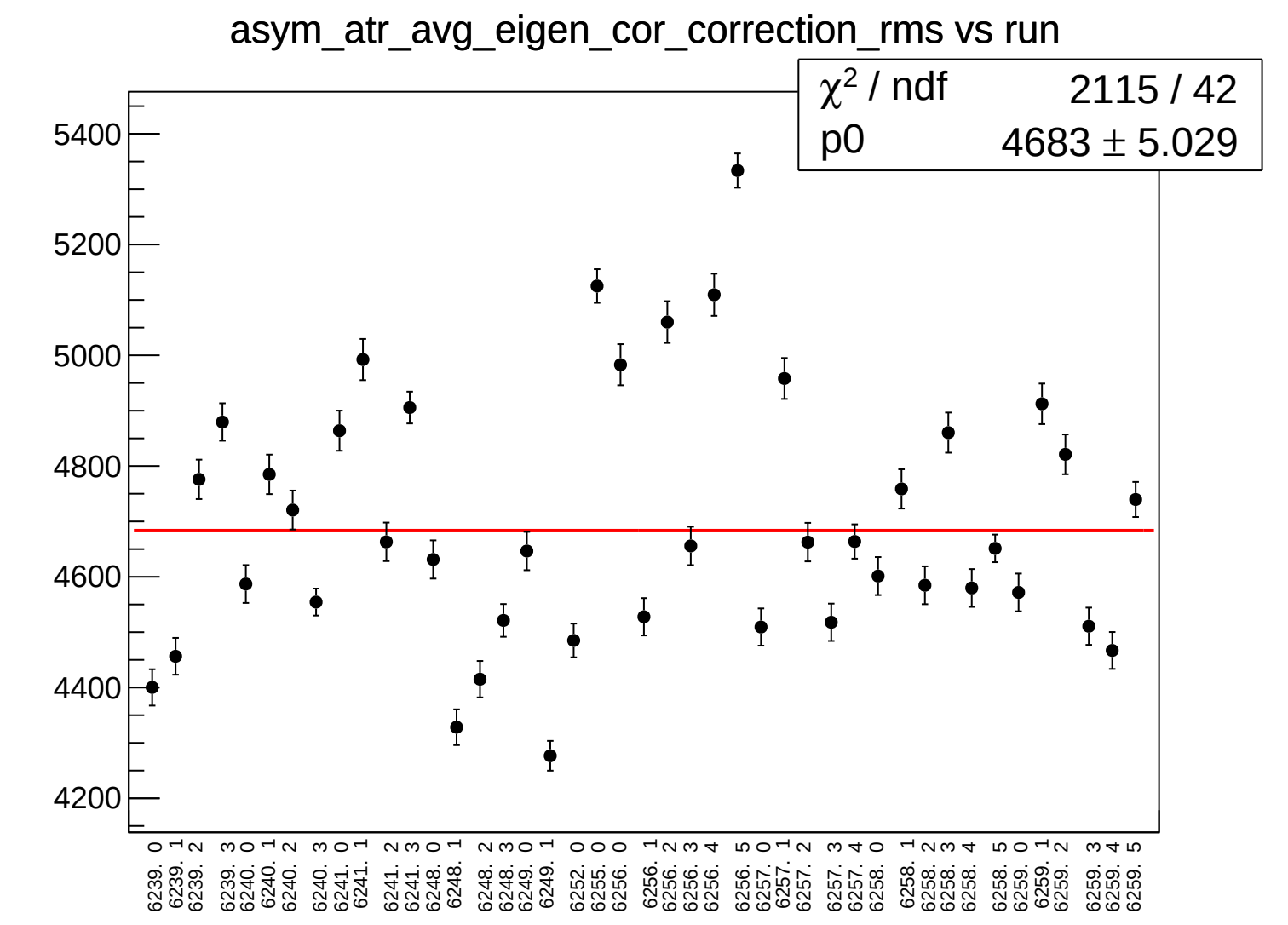

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 2115 / 42
p0 4683 ± 5.029
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

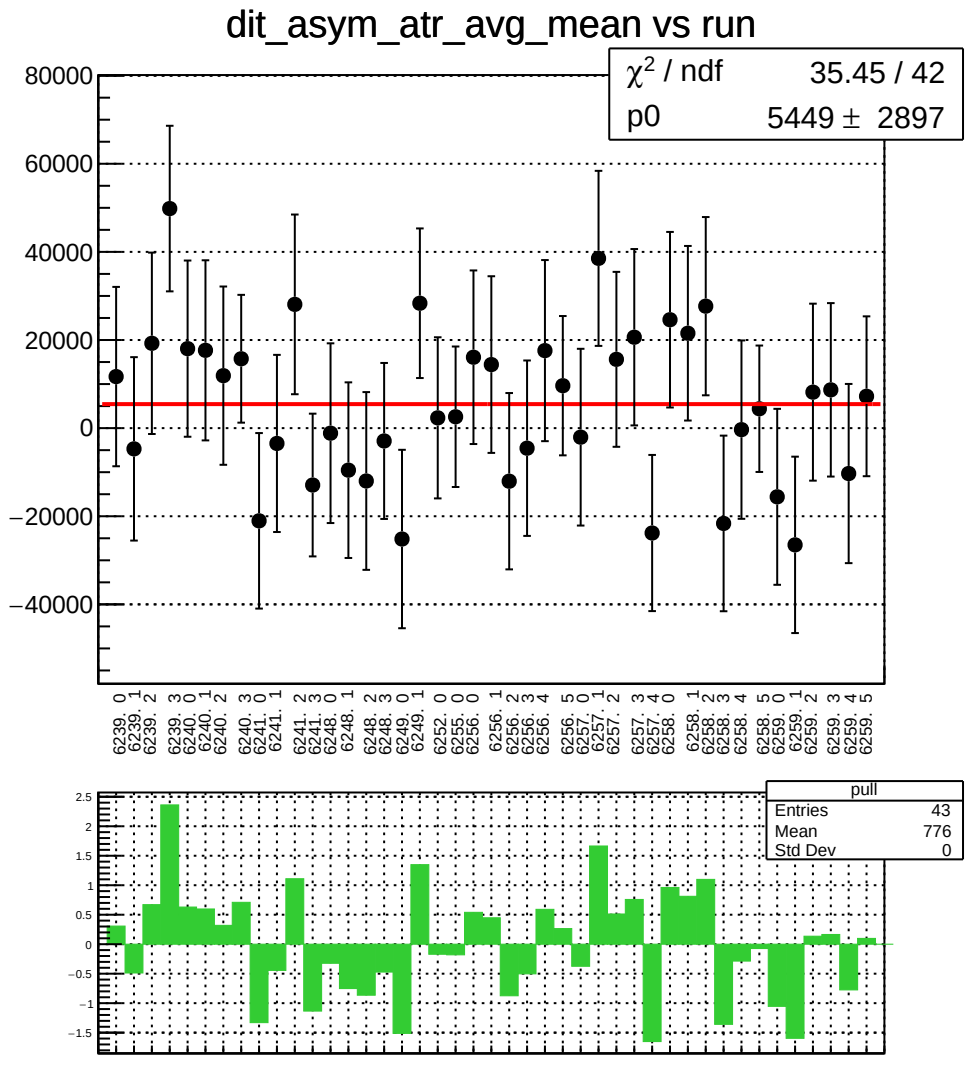

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 37.53 / 42
p0 4943 ± 2871
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1340
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

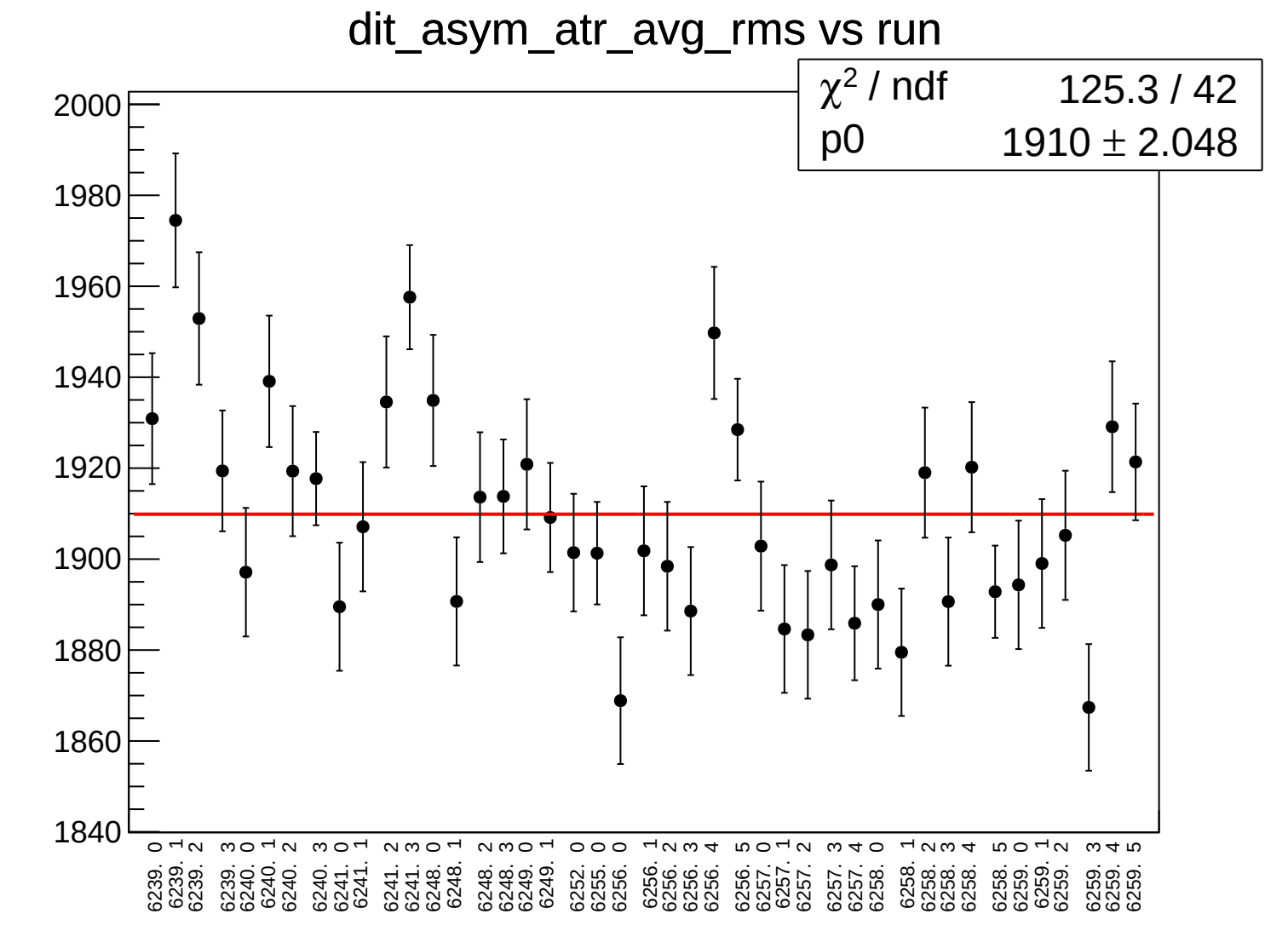

pull1D
Entries 43
Mean −0.001317
Std Dev 0.9343
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

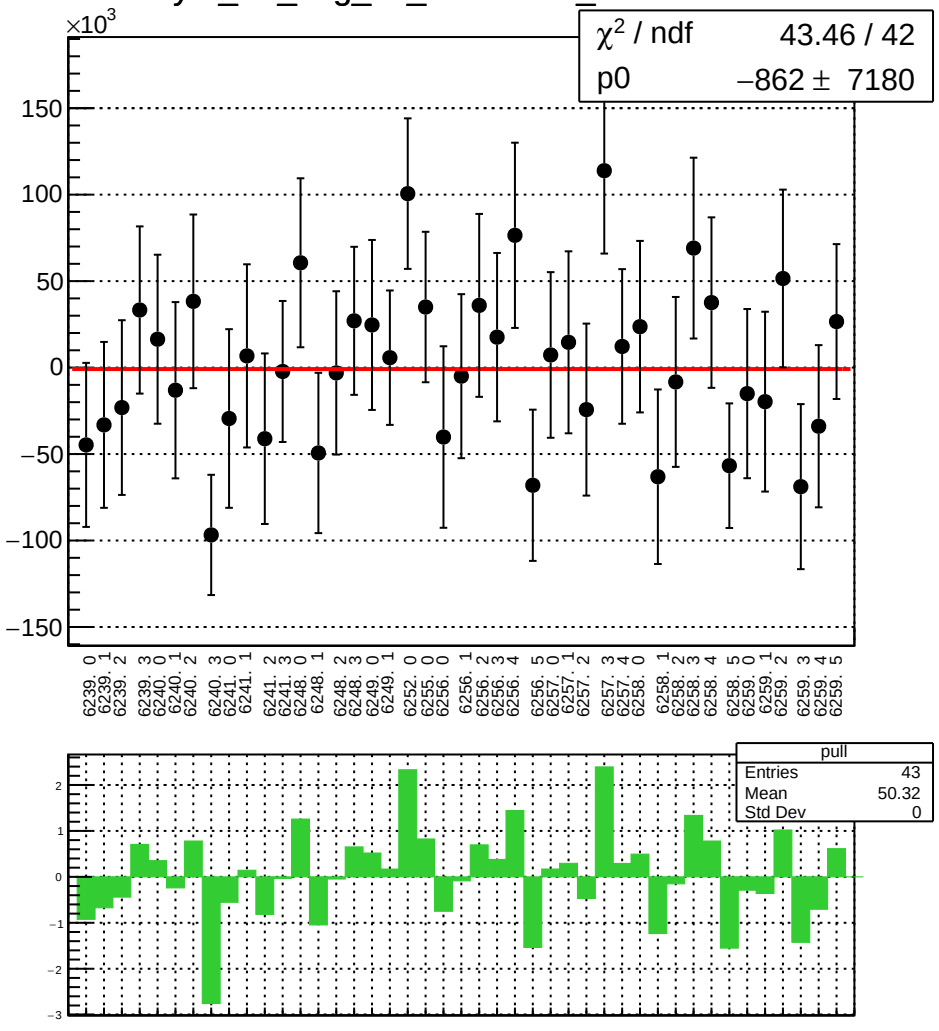

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 68.01 / 42
p0 1893 ± 2.03
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

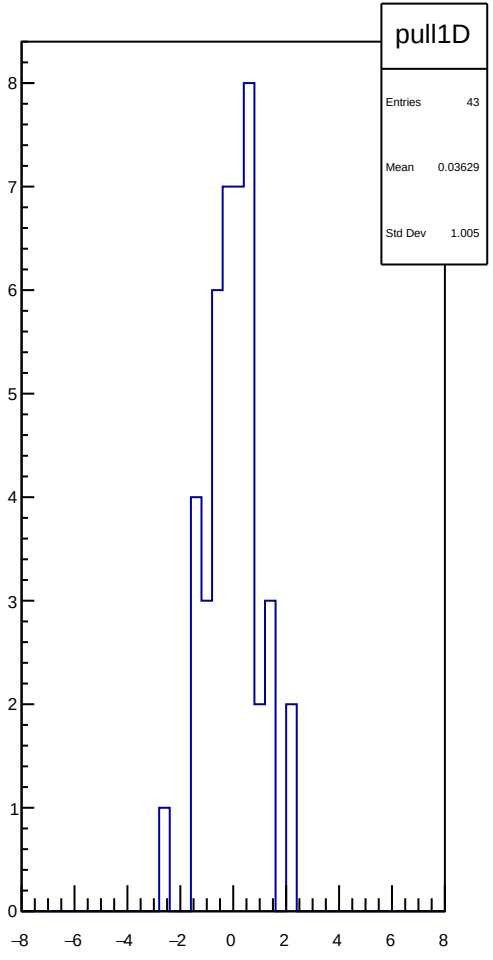

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.16 / 42
p0 −1410 ± 7112
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.57
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03753
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

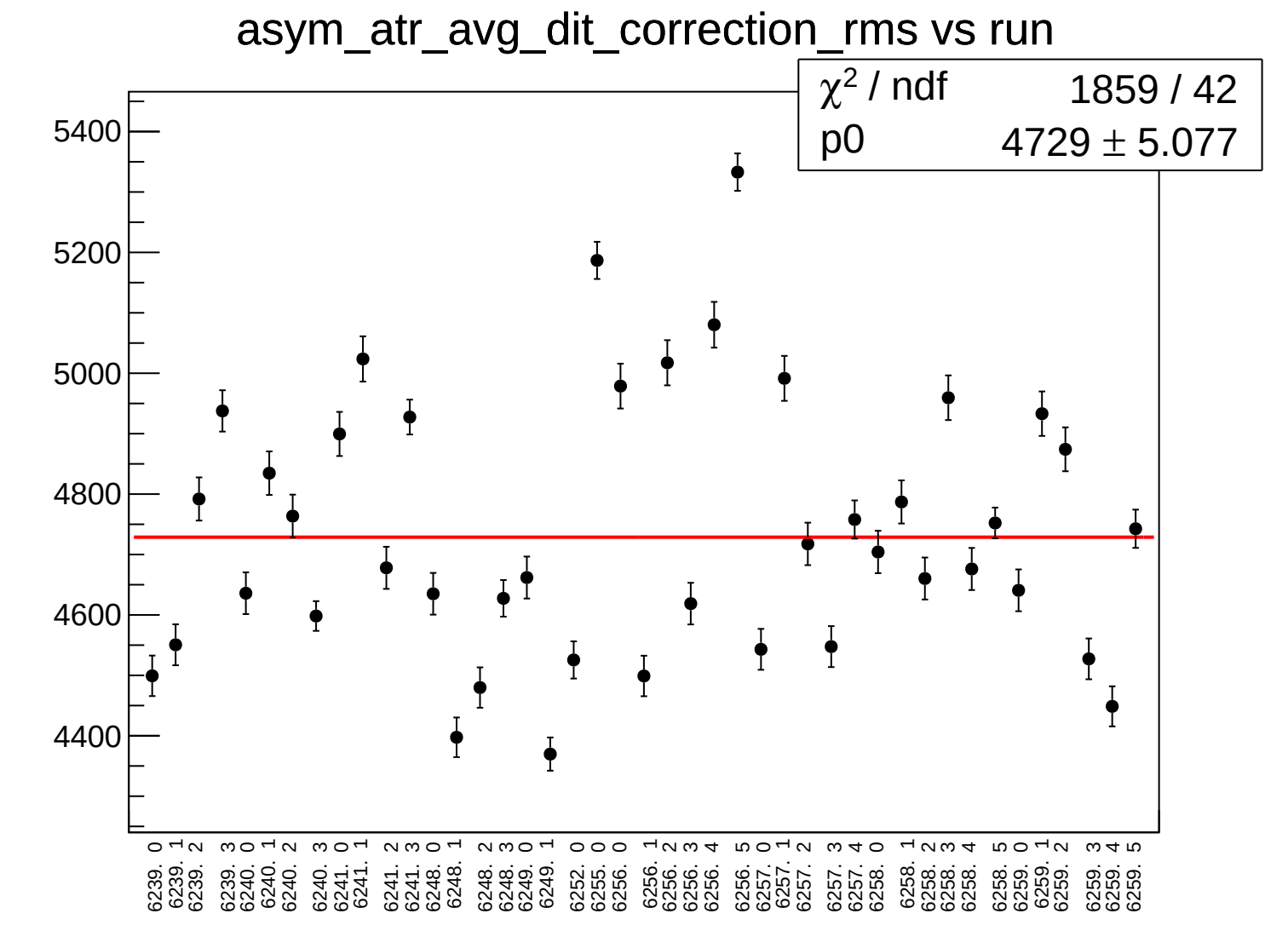

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 2115 / 42
p0 4683 ± 5.029
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

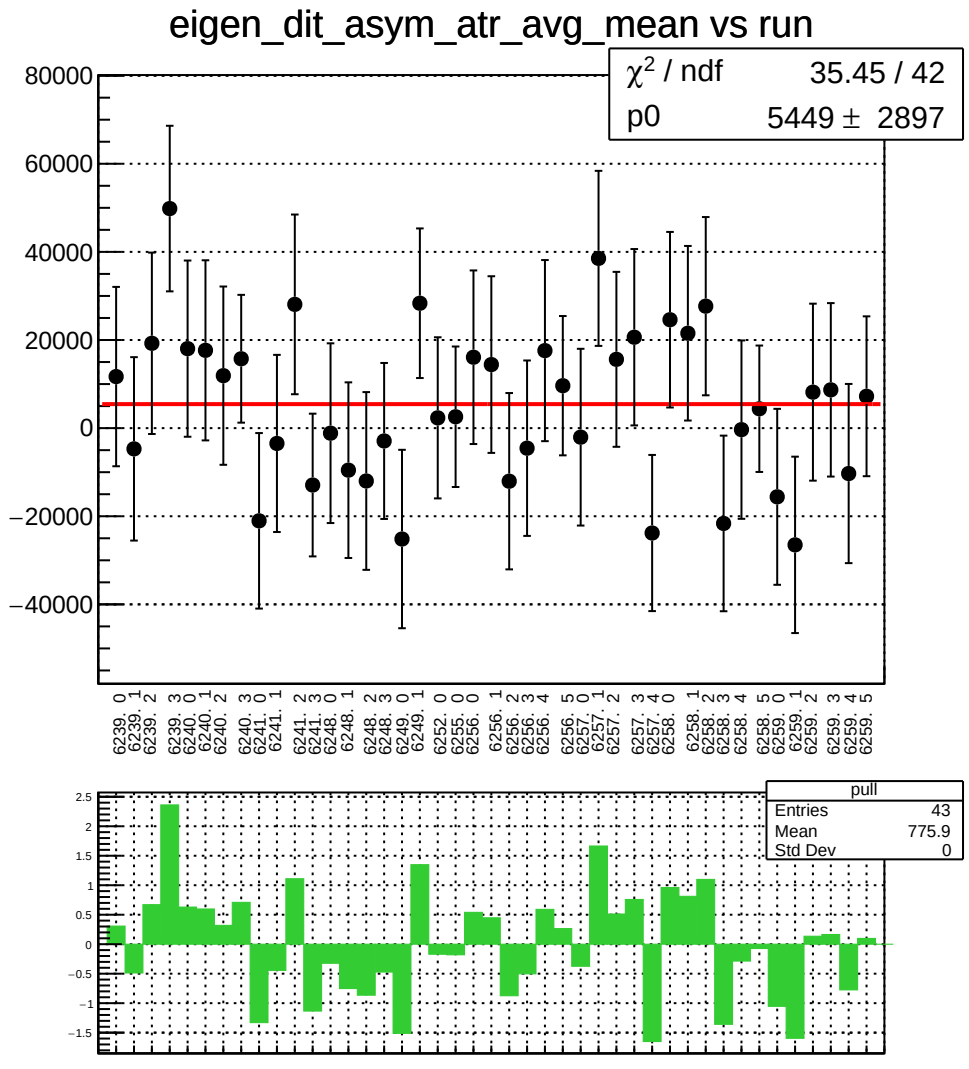

dit_asym_atr_avg_mean vs run
χ² / ndf 35.45 / 42
p0 5449 ± 2897
80000
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 776
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.002586
Std Dev 0.908
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

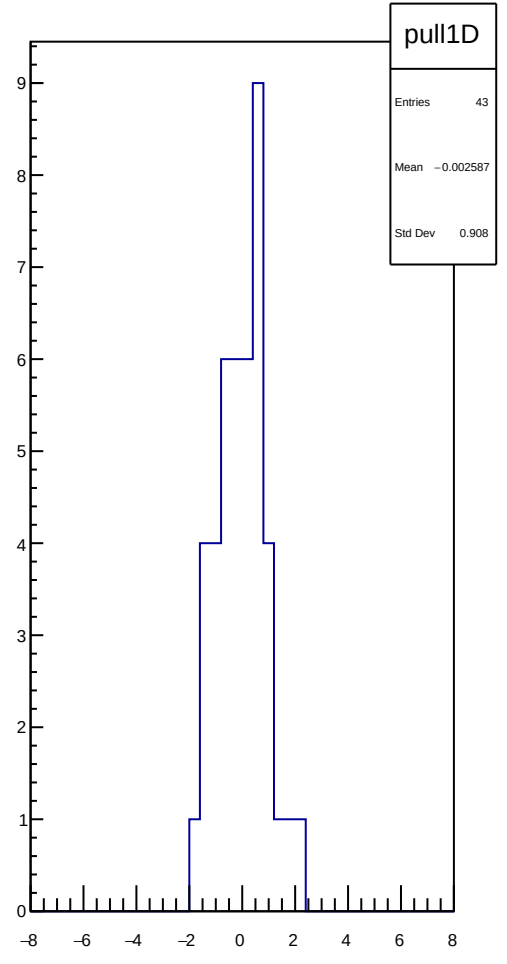

dit_asym_atr_avg_rms vs run
χ² / ndf 125.3 / 42
p0 1910 ± 2.048
2000
1980
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

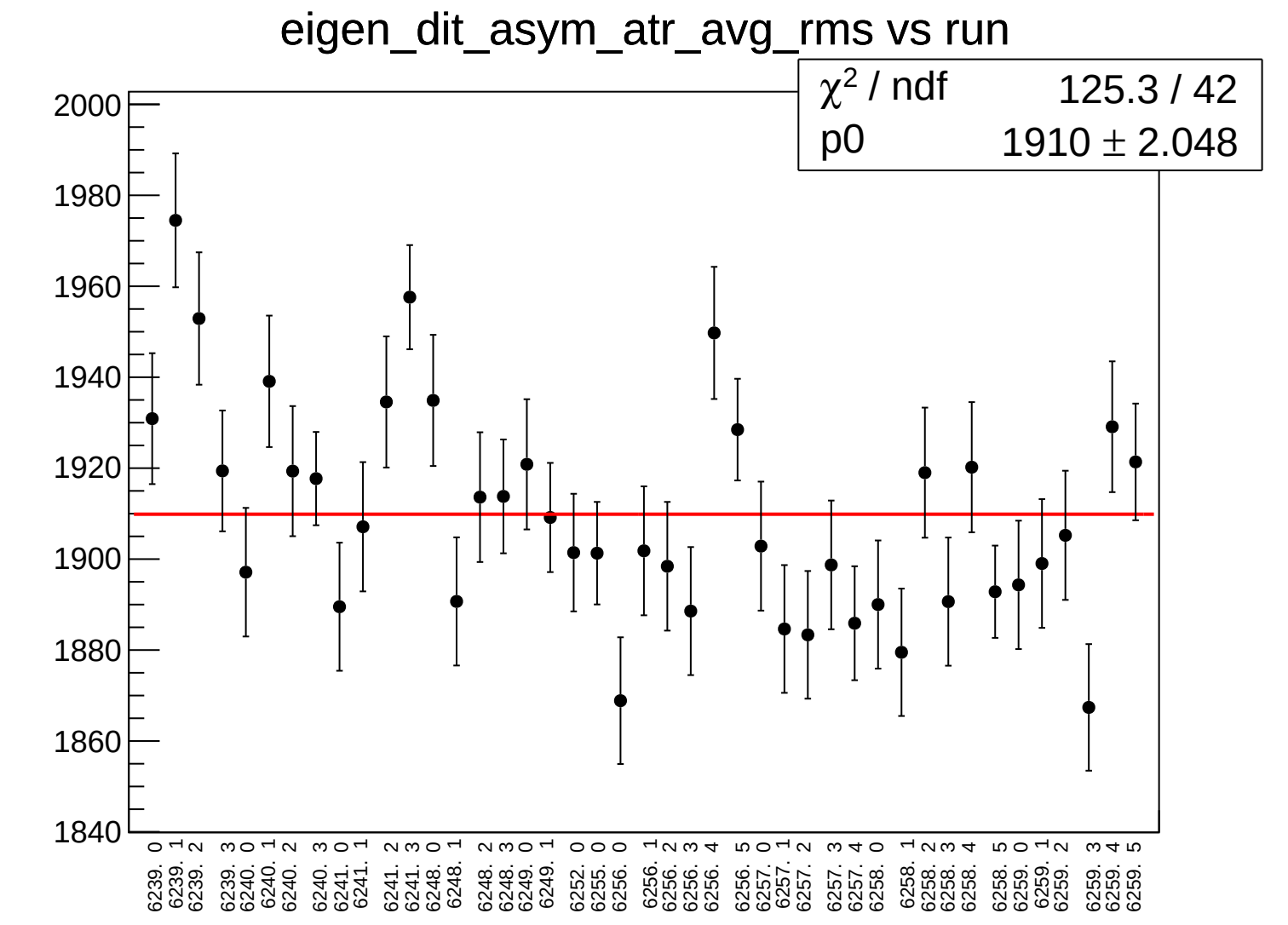

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.46 / 42
p0 −862 ± 7180
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.32
Std Dev 0
2
1
0
−1
−2
−3

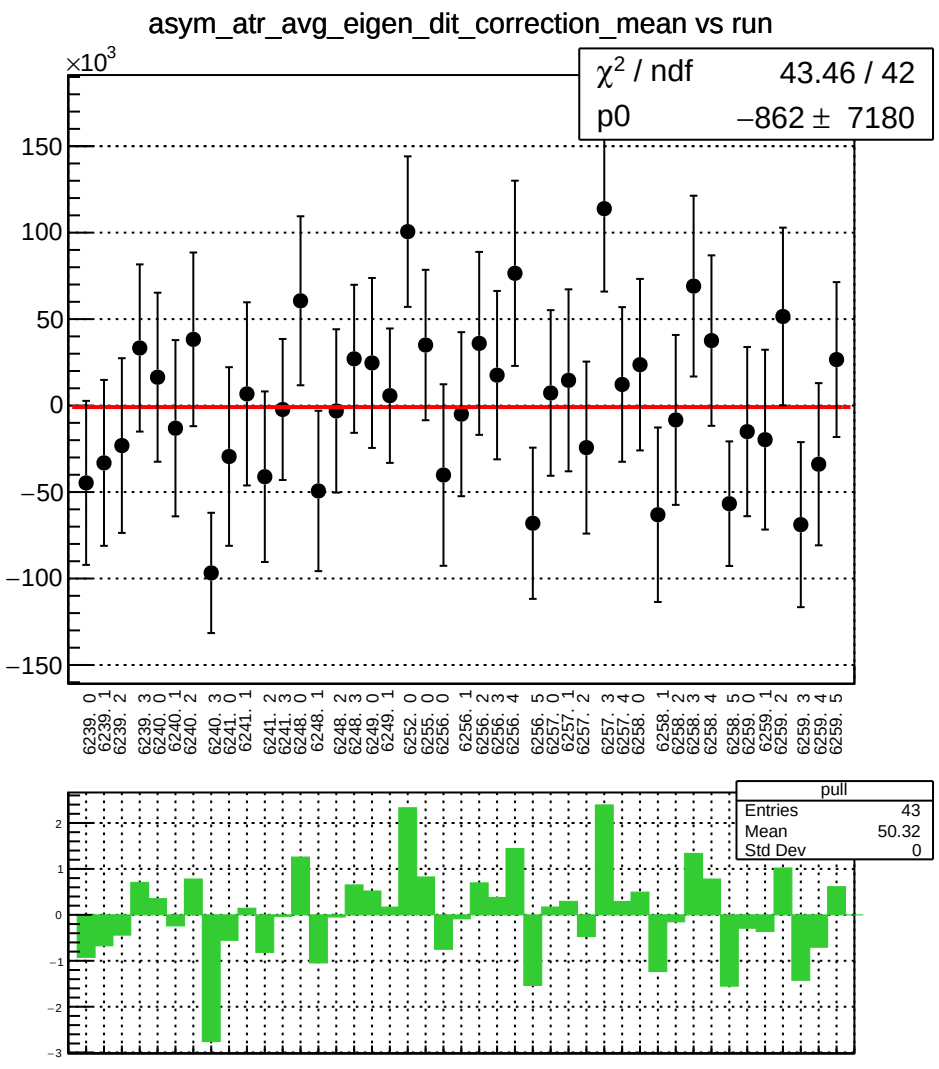

pull1D
Entries 43
Mean 0.03629
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

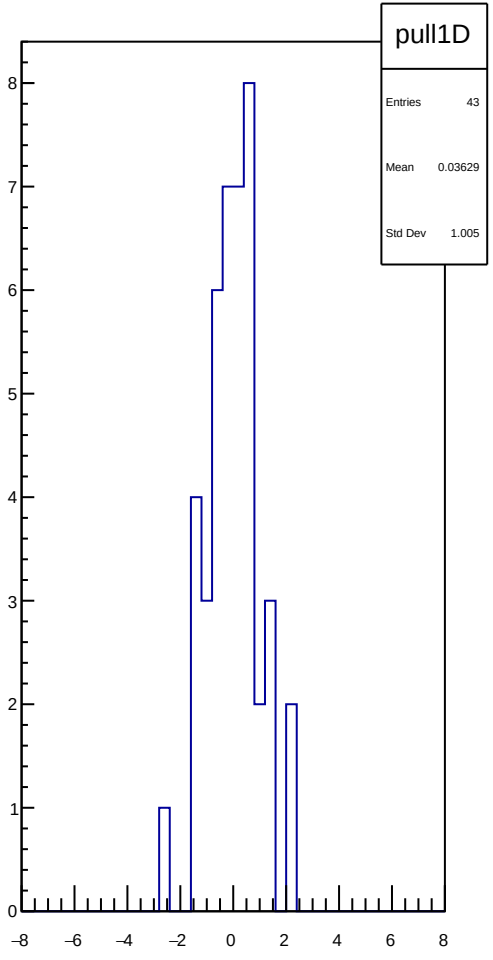

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 1859 / 42
p0 4729 ± 5.077
5400
5200
5000
4800
4600
4400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

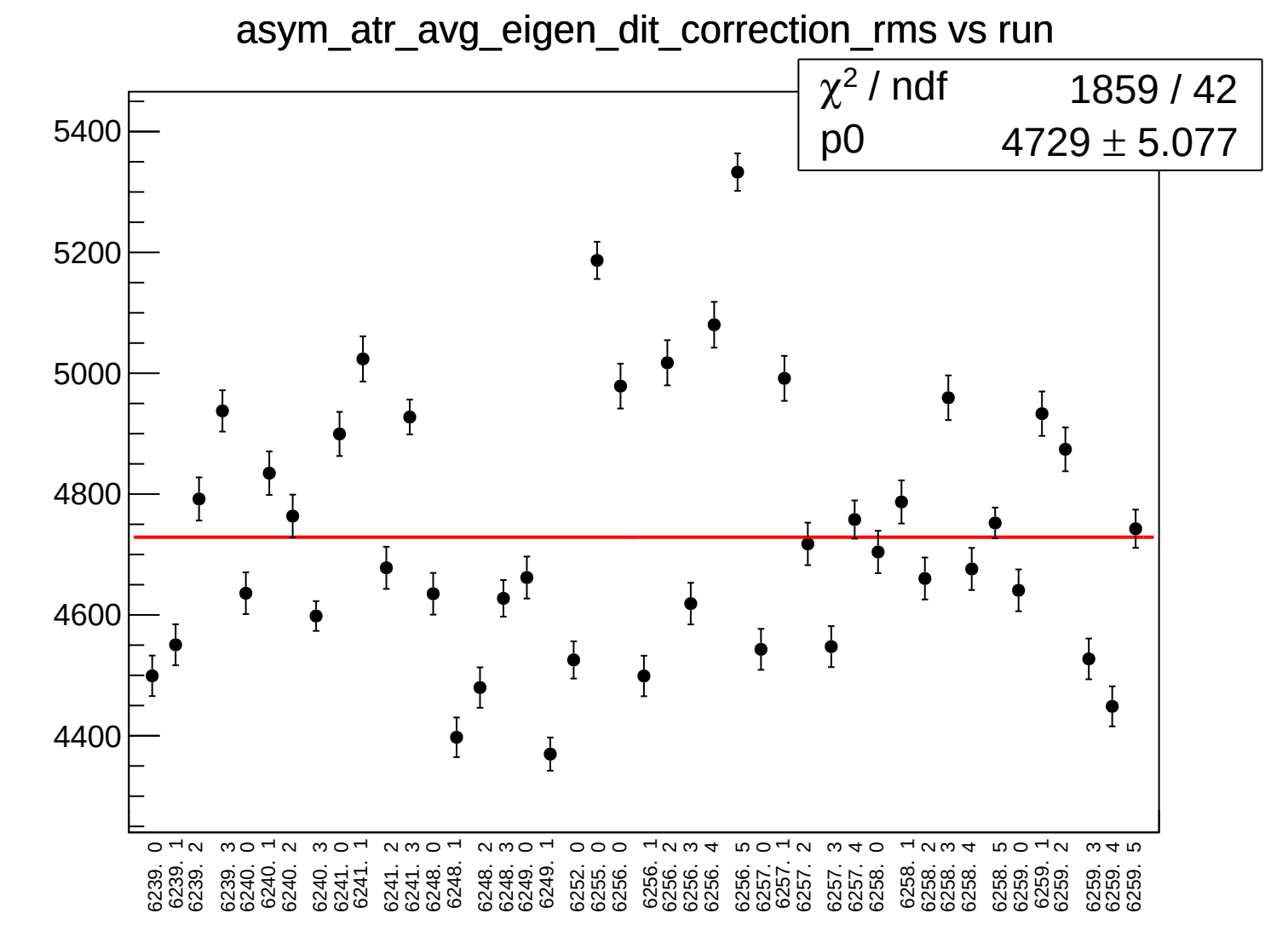

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 35.45 / 42
p0 5449 ± 2897
80000
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 775.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

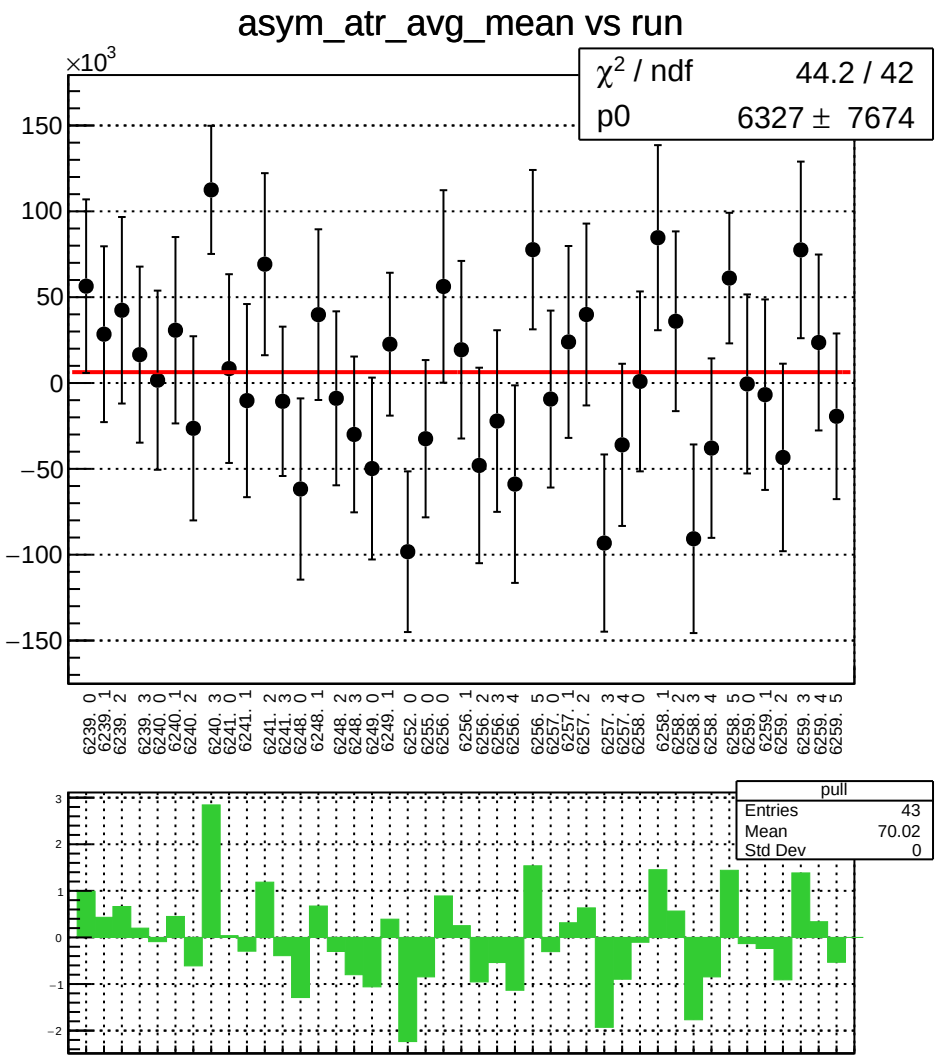

pull1D
Entries 43
Mean −0.002587
Std Dev 0.908
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

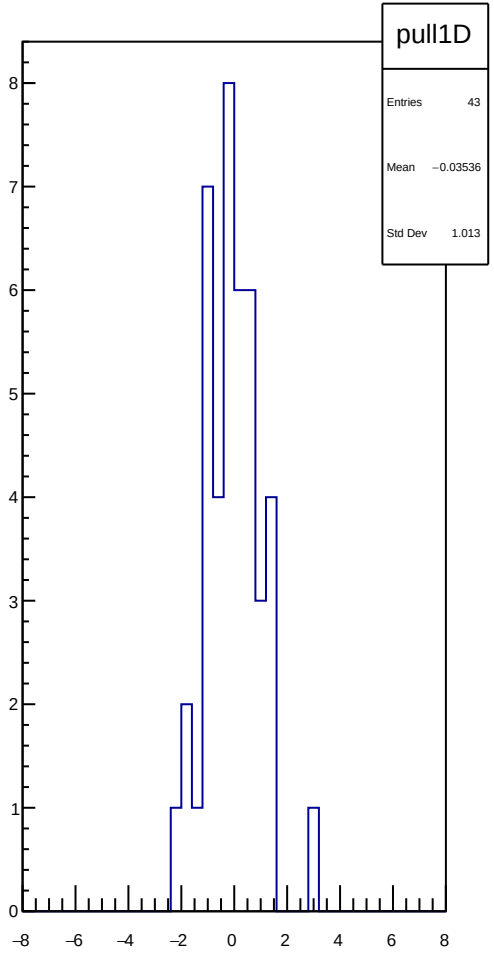

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 125.3 / 42
p0 1910 ± 2.048
2000
1980
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

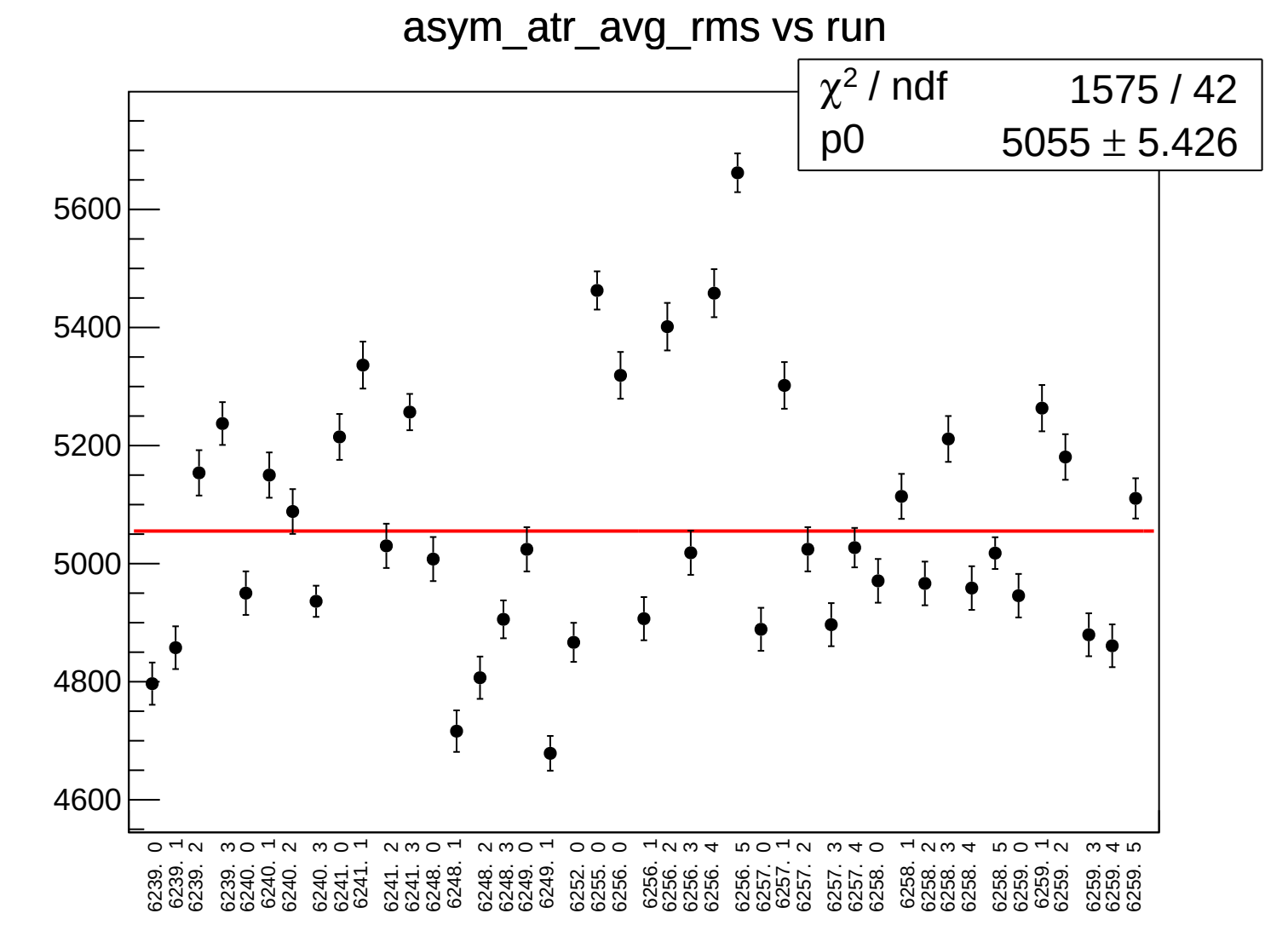

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.46 / 42
p0 −862 ± 7180
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.32
Std Dev 0
2
1
0
−1
−2
−3

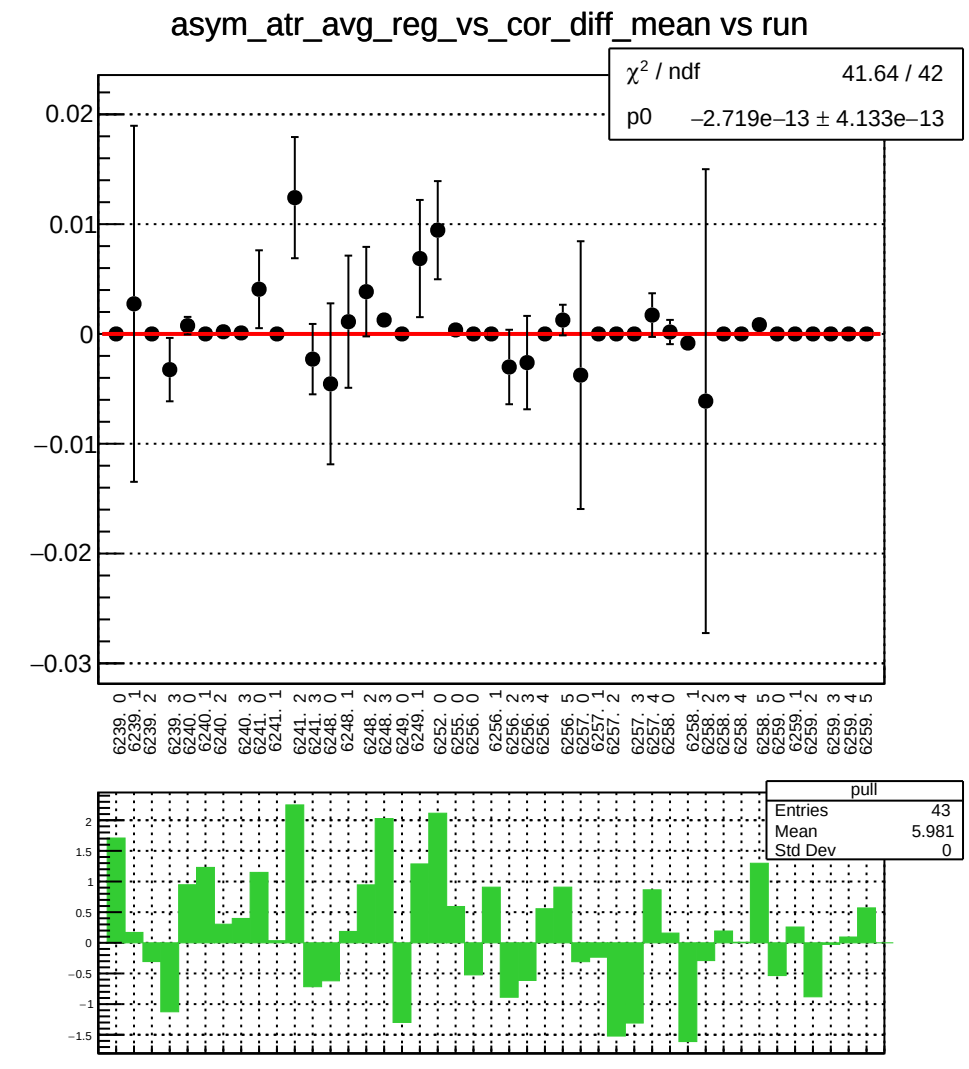

pull1D
Entries 43
Mean 0.03629
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

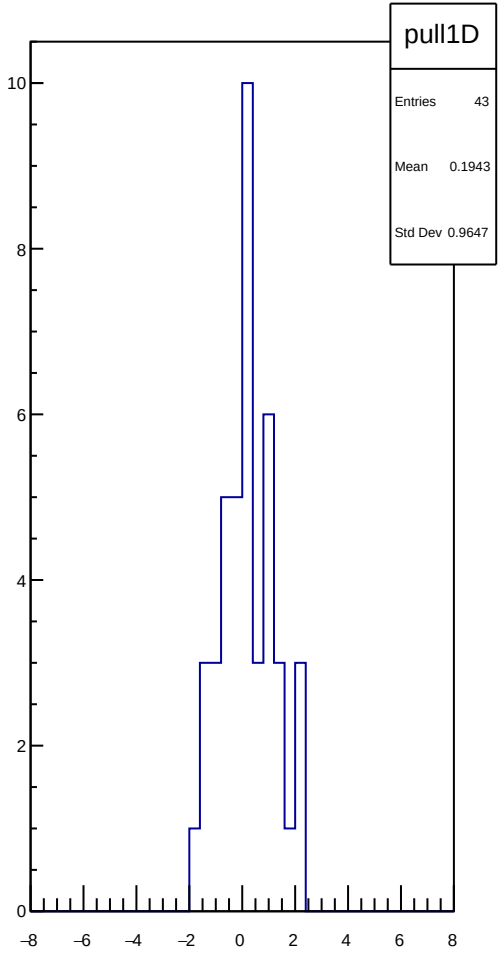

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 1859 / 42
p0 4729 ± 5.077
5400
5200
5000
4800
4600
4400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

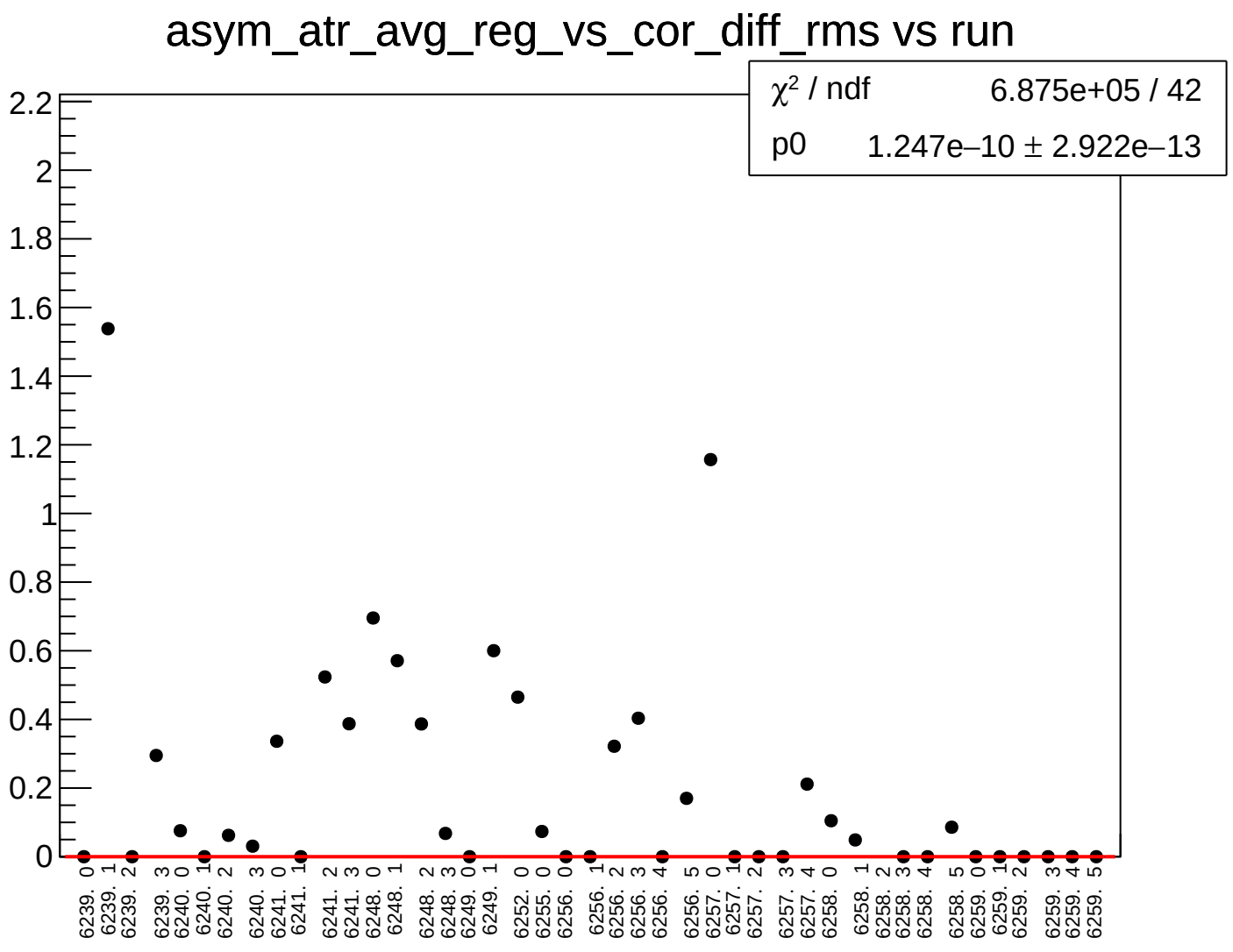

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 44.2 / 42
p0 6327 ± 7674
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 70.02
Std Dev 0
3
2
1
0
−1
−2

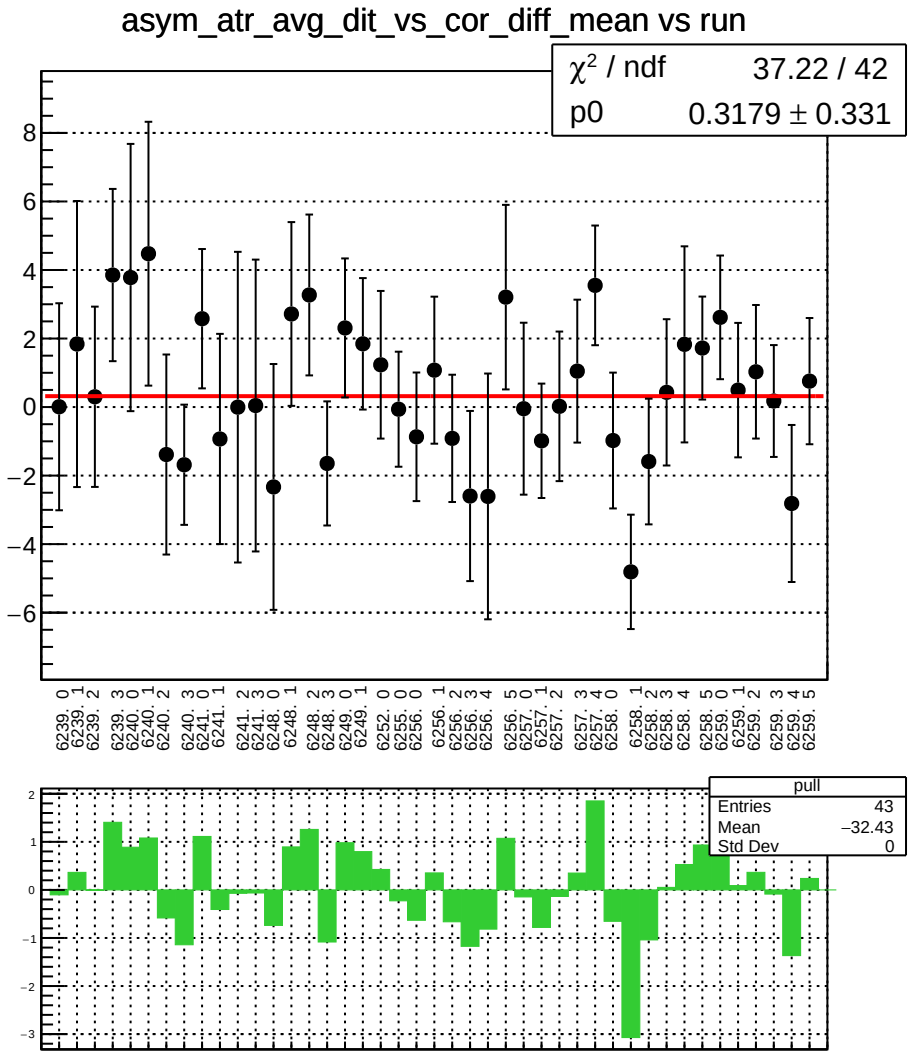

pull1D
Entries 43
Mean −0.03536
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

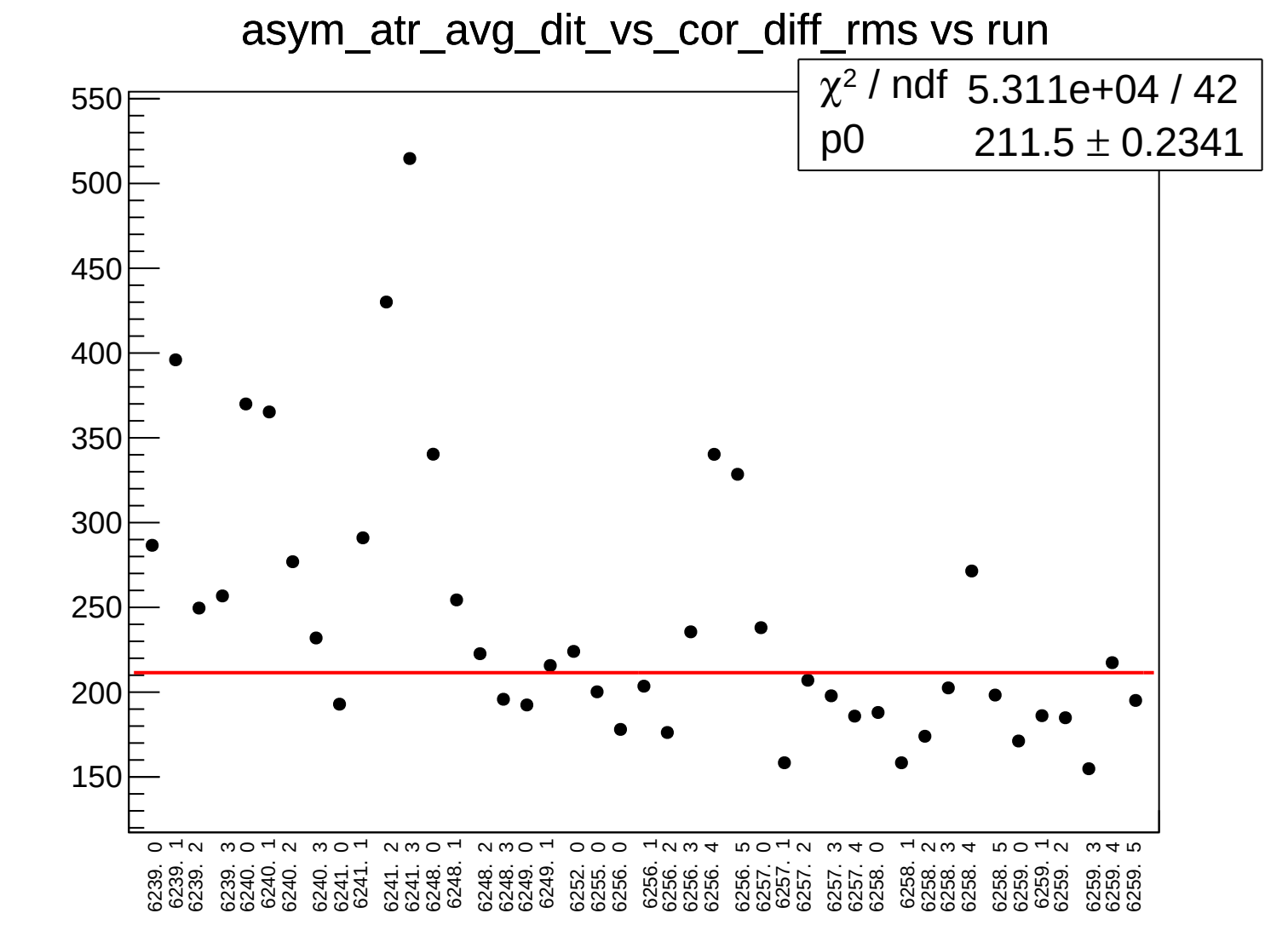

asym_atr_avg_rms vs run
χ² / ndf 1575 / 42
p0 5055 ± 5.426
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

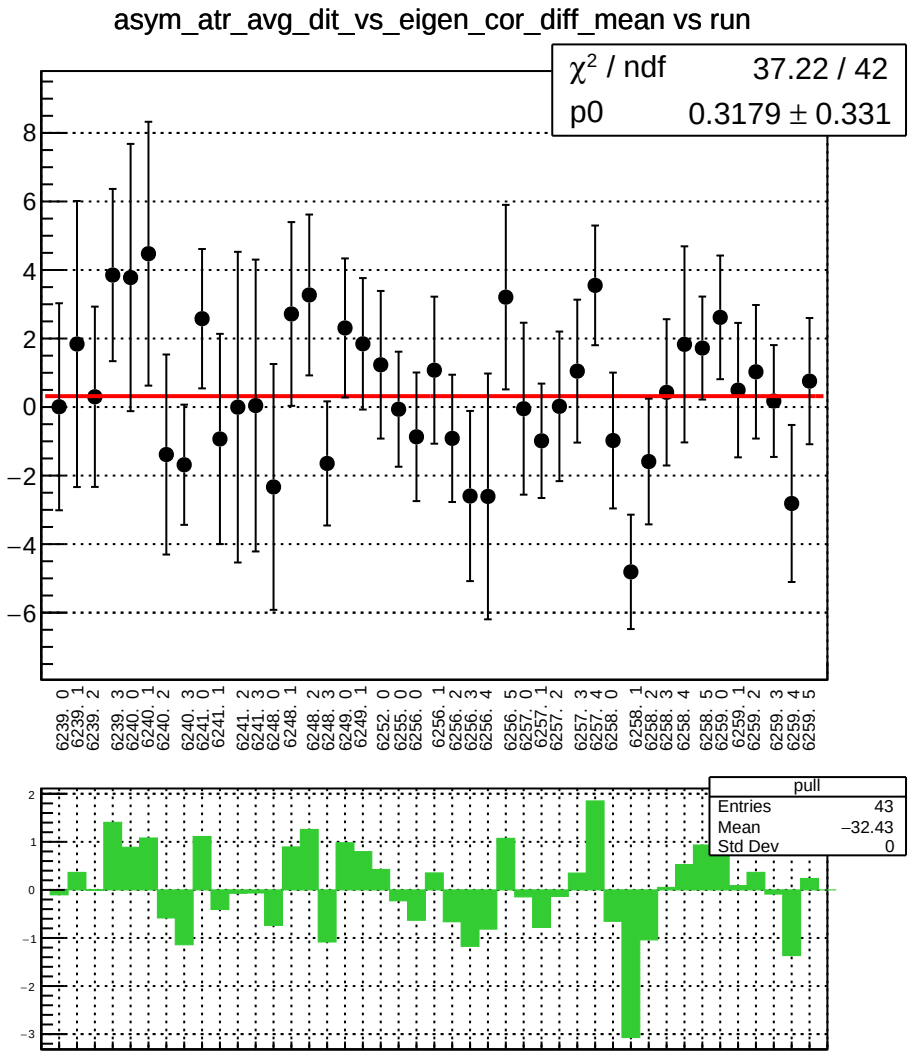

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.64 / 42
p0 −2.719e−13 ± 4.133e−13
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.981
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

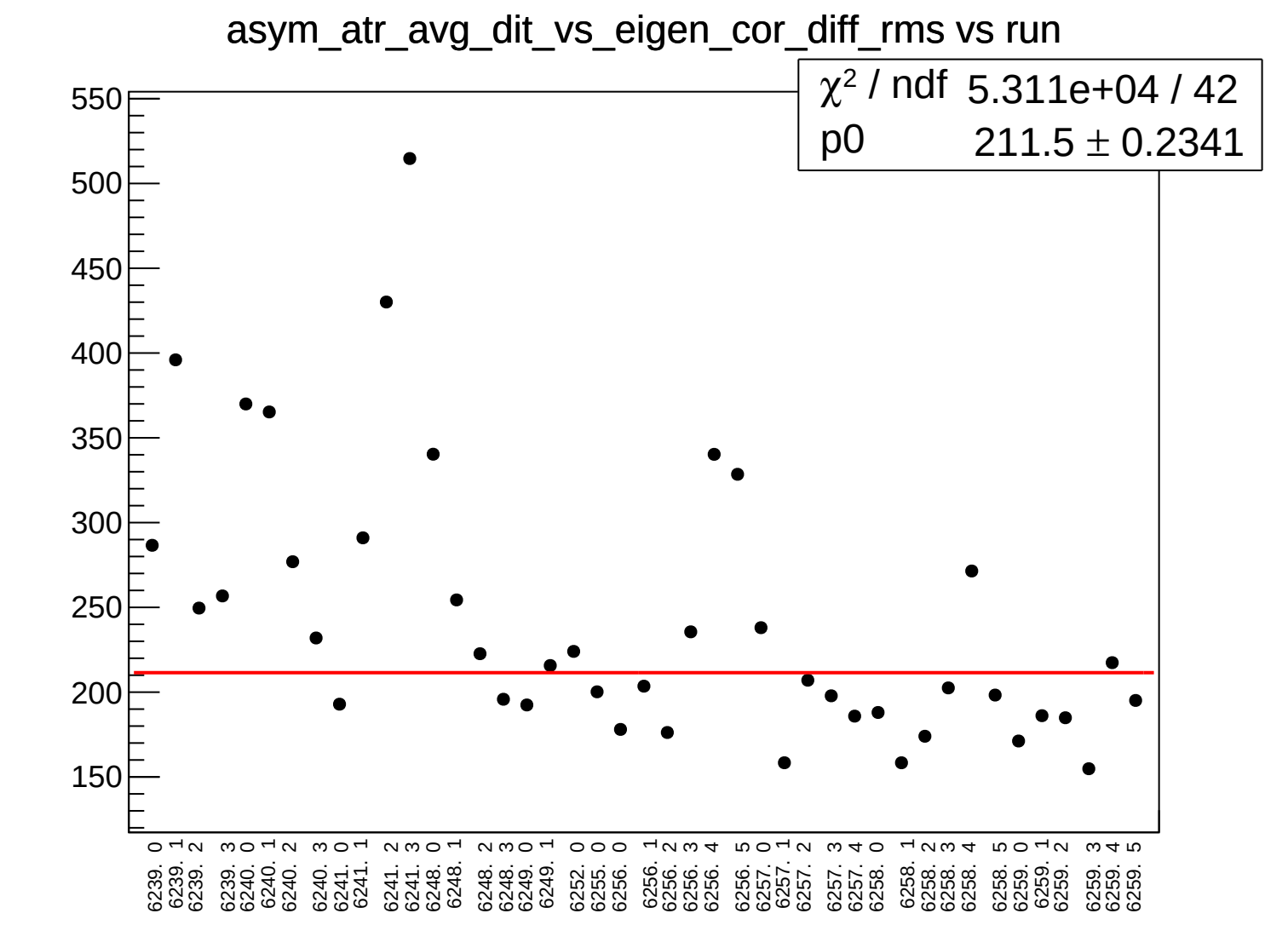

pull1D
Entries 43
Mean 0.1943
Std Dev 0.9647
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

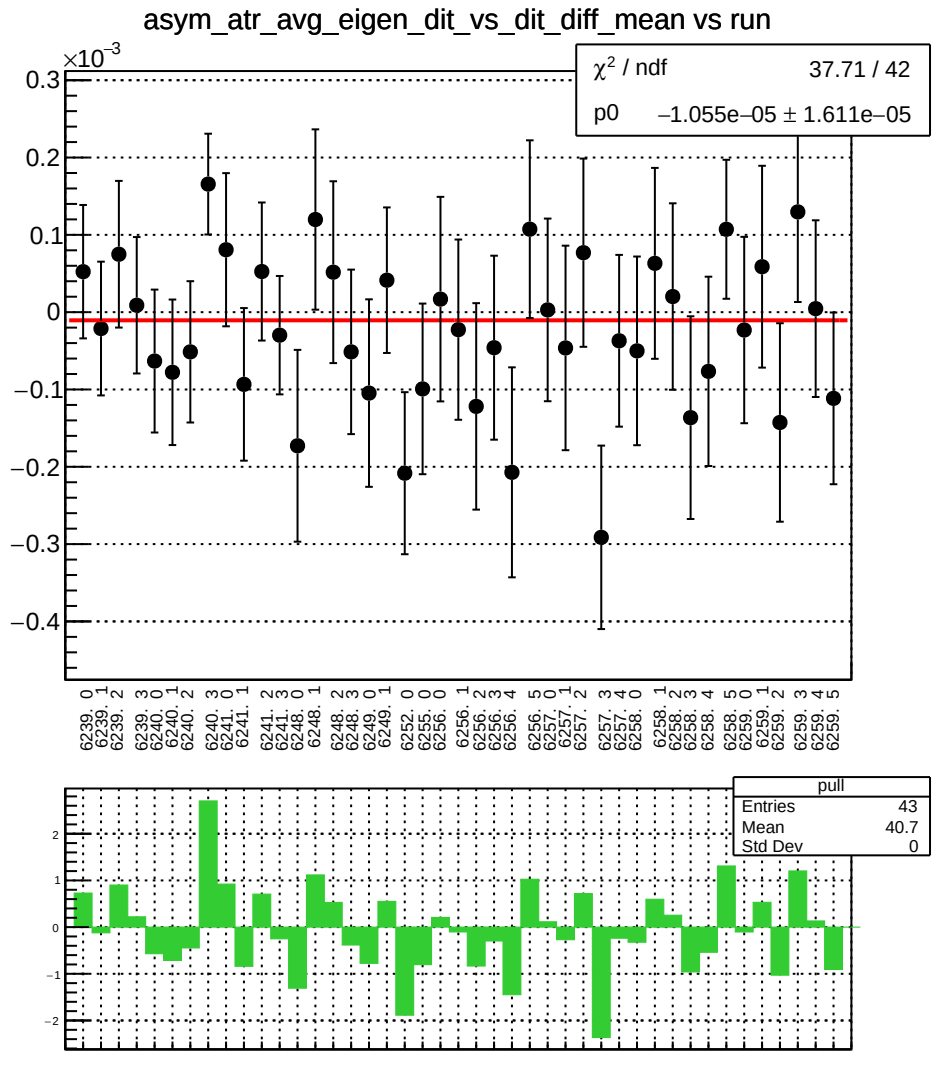

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.875e+05 / 42
p0 1.247e−10 ± 2.922e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

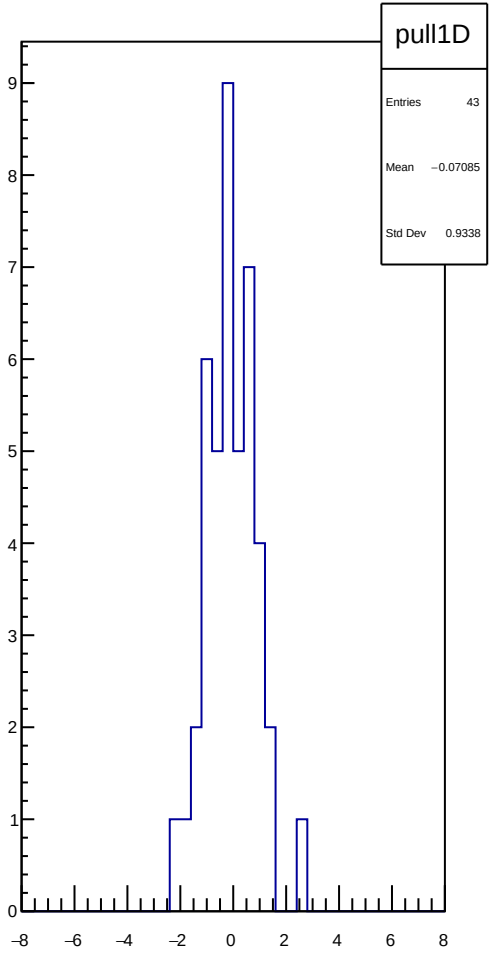

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.22 / 42
p0 0.3179 ± 0.331
pull
Entries 43
Mean −32.43
Std Dev 0
pull1D
Entries 43
Mean 0.03082
Std Dev 0.9298

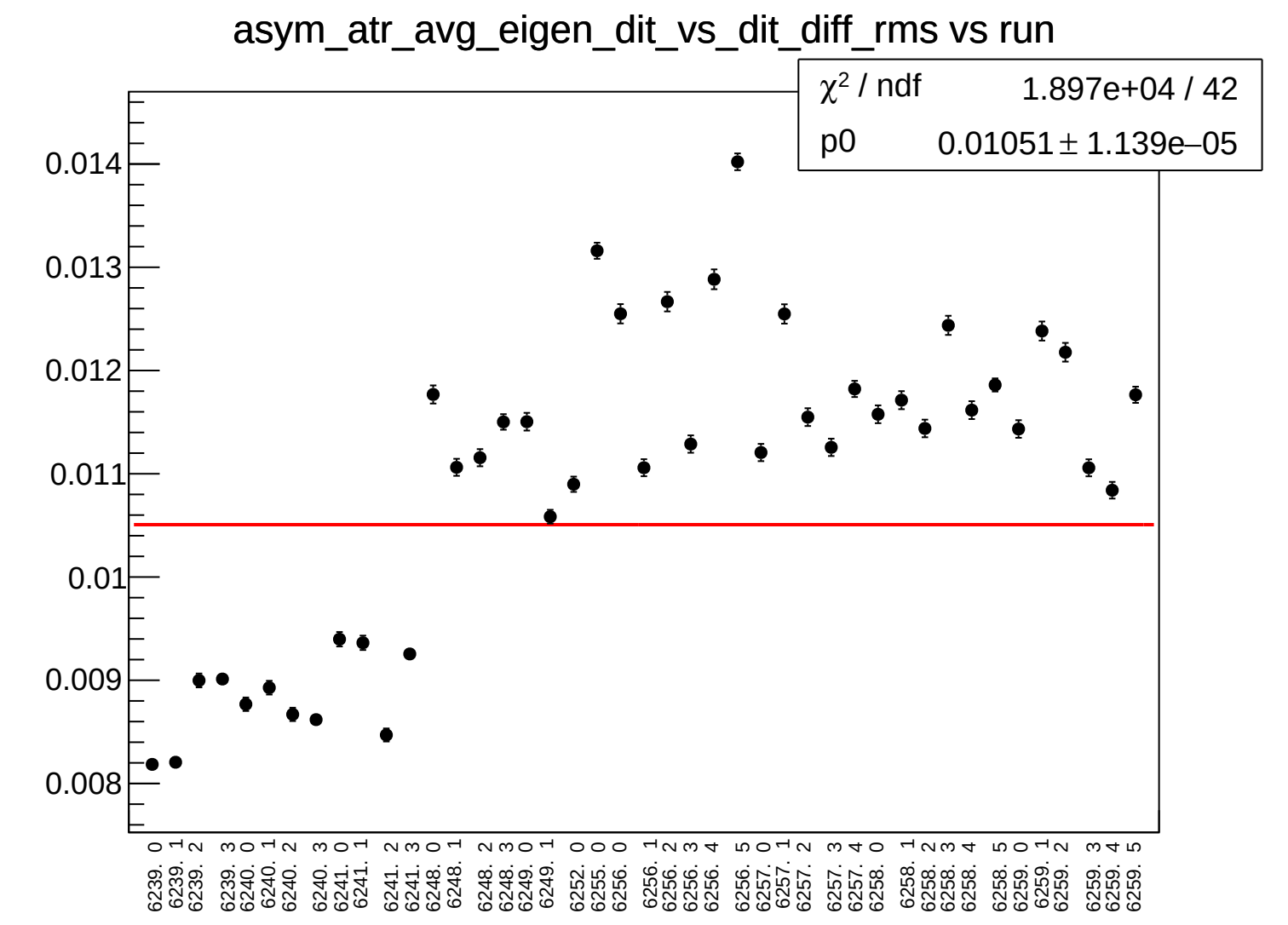

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.311e+04 / 42
p0 211.5 ± 0.2341
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

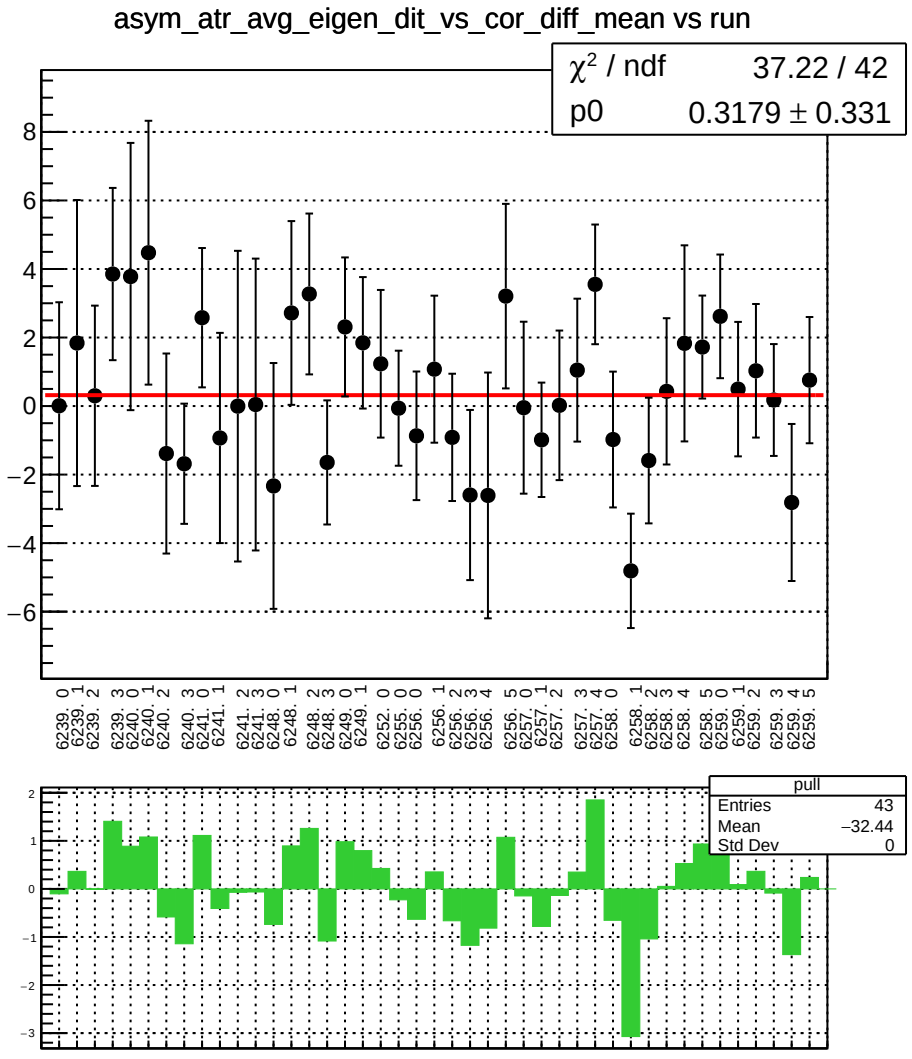

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.22 / 42
p0 0.3179 ± 0.331
pull
Entries 43
Mean −32.43
Std Dev 0
pull1D
Entries 43
Mean 0.03082
Std Dev 0.9298

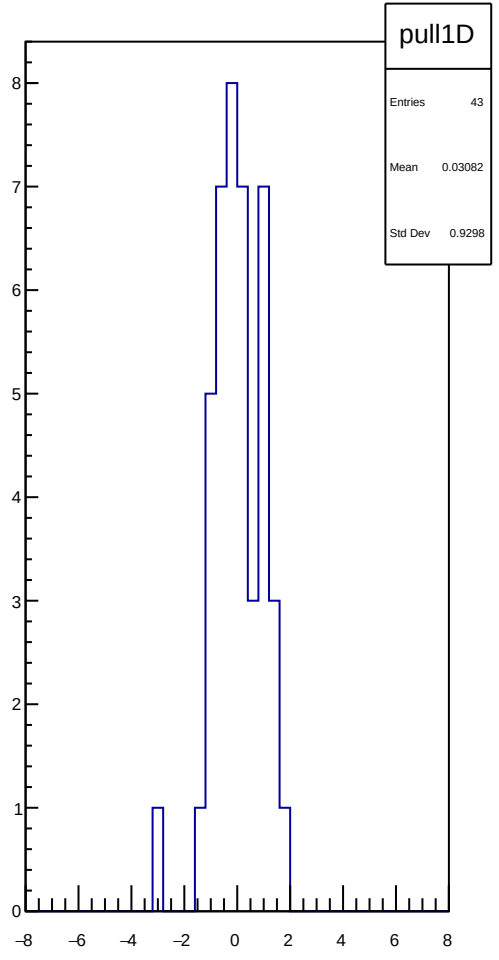

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.311e+04 / 42
p0 211.5 ± 0.2341
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

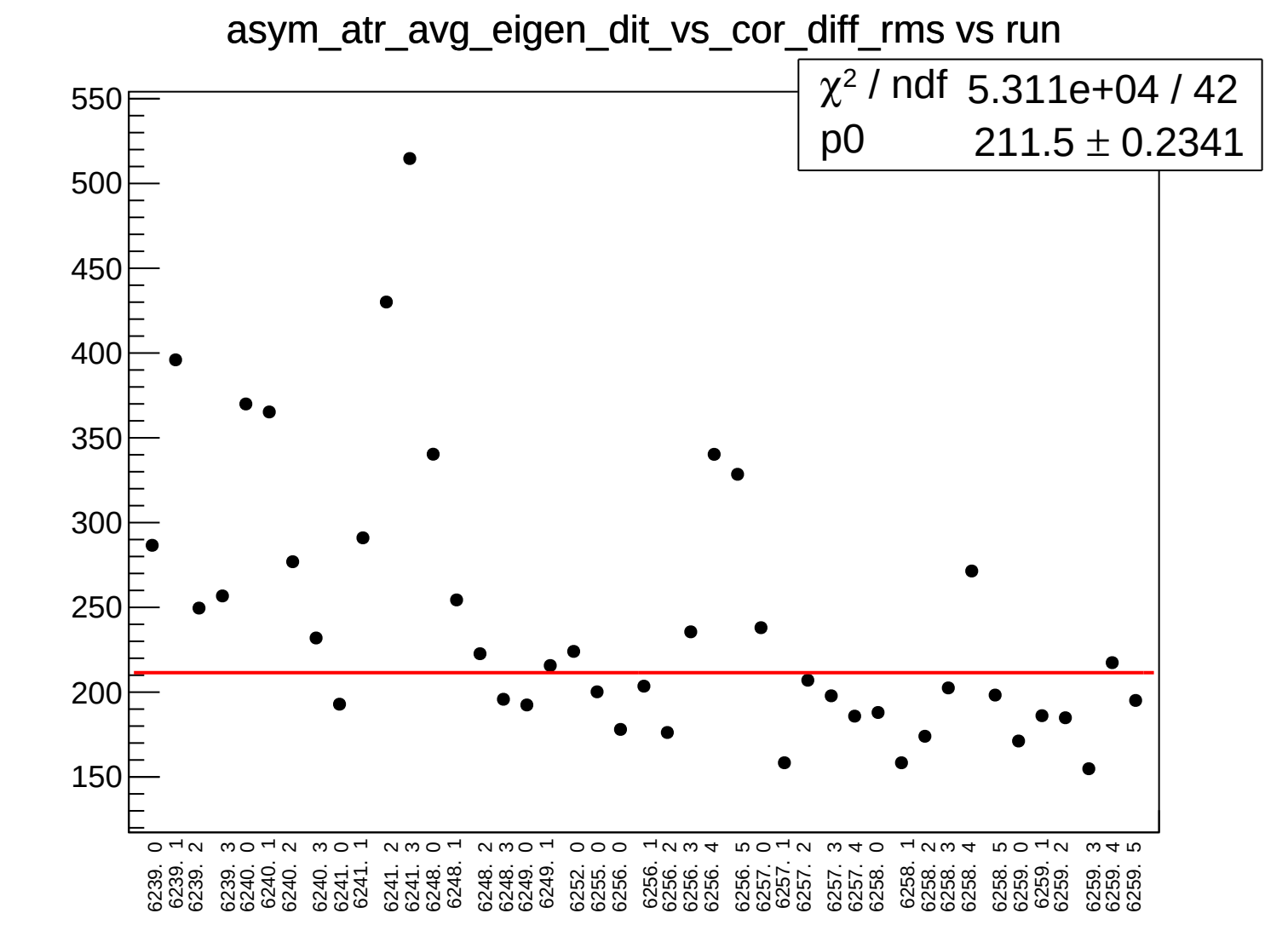

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.71 / 42
p0 −1.055e−05 ± 1.611e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.7
Std Dev 0
2
1
0
−1
−2

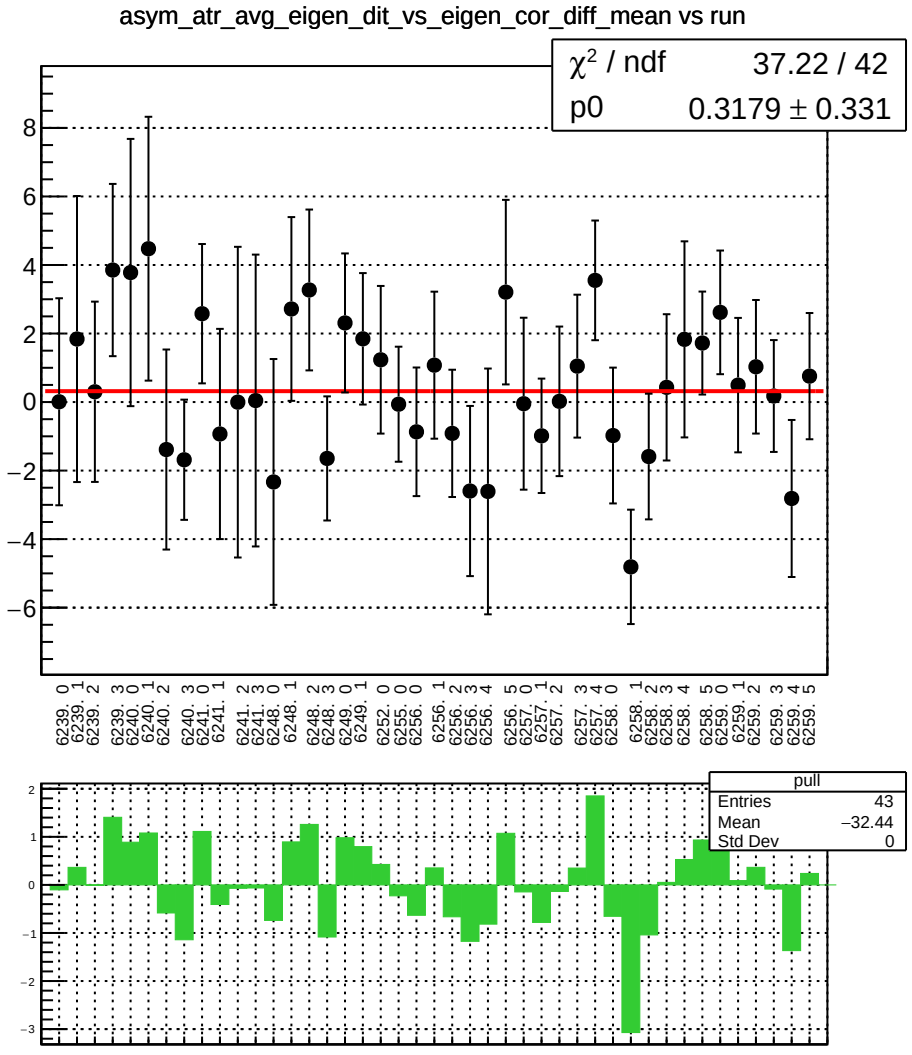

pull1D
Entries 43
Mean −0.07085
Std Dev 0.9338
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

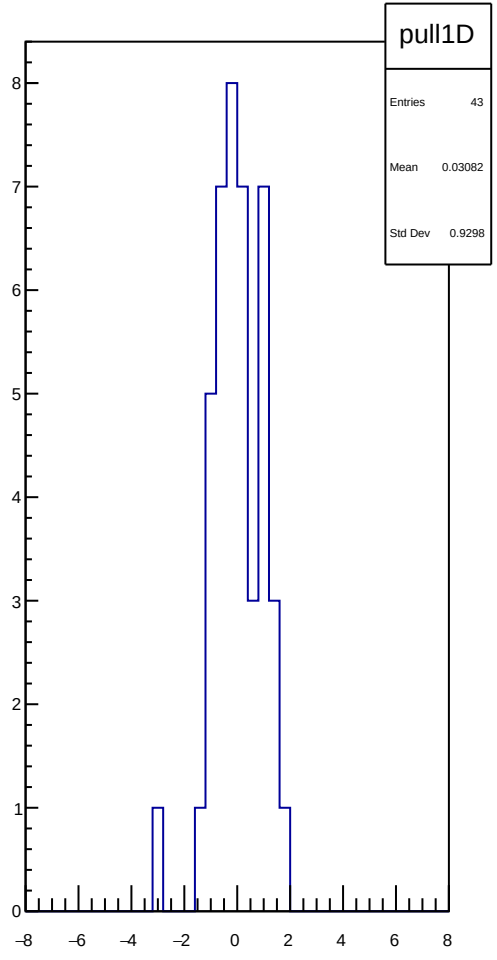

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.897e+04 / 42
p0 0.01051 ± 1.139e–05
0.014
0.013
0.012
0.011
0.01
0.009
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

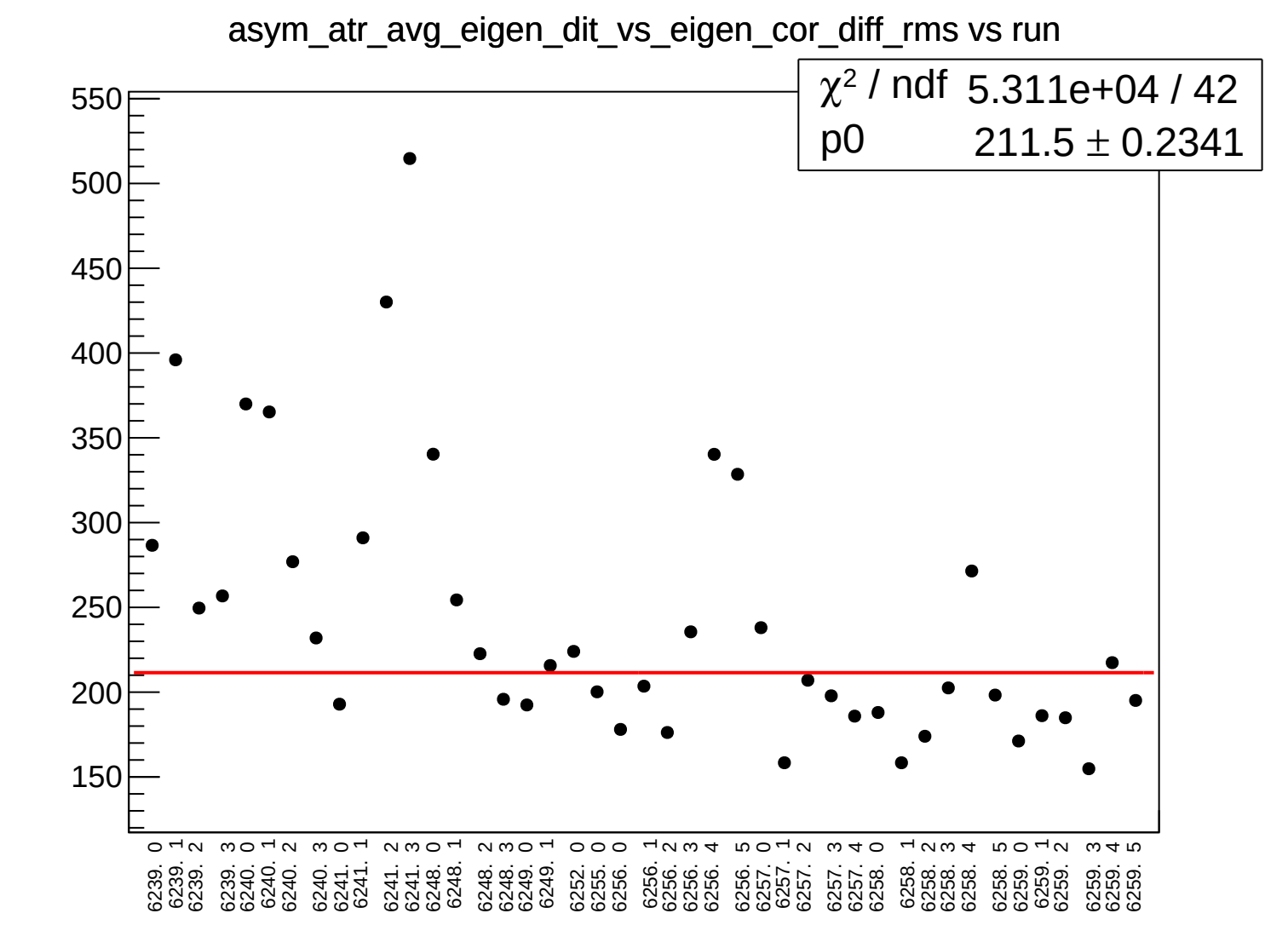

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.22 / 42
p0 0.3179 ± 0.331
pull
Entries 43
Mean −32.44
Std Dev 0

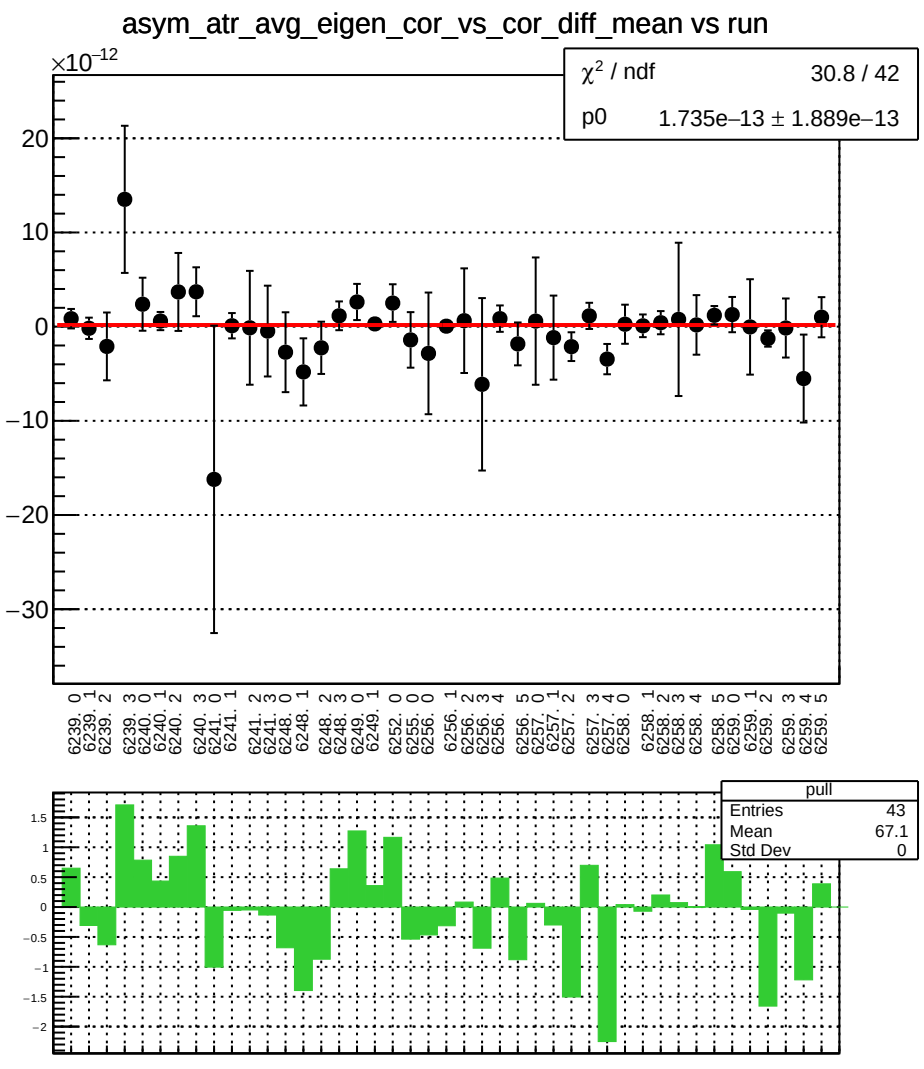

pull1D
Entries 43
Mean 0.03082
Std Dev 0.9298

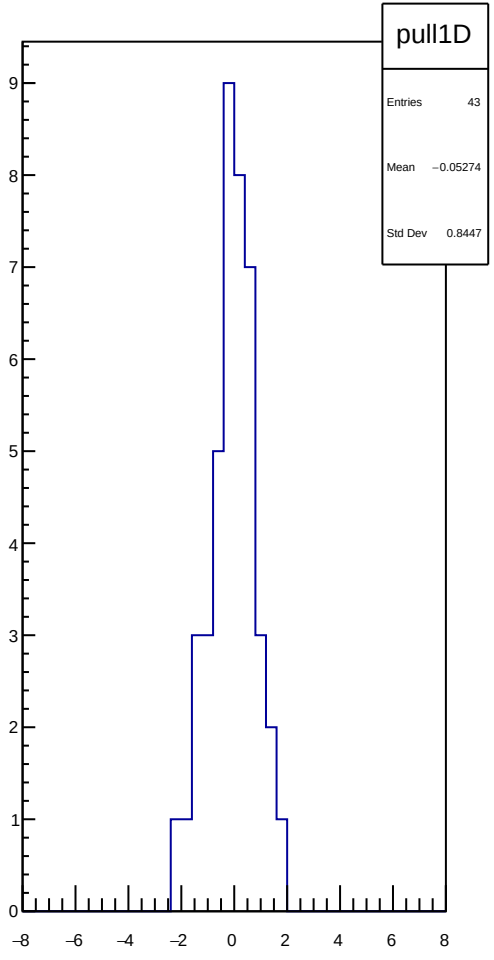

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.311e+04 / 42
p0 211.5 ± 0.2341
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

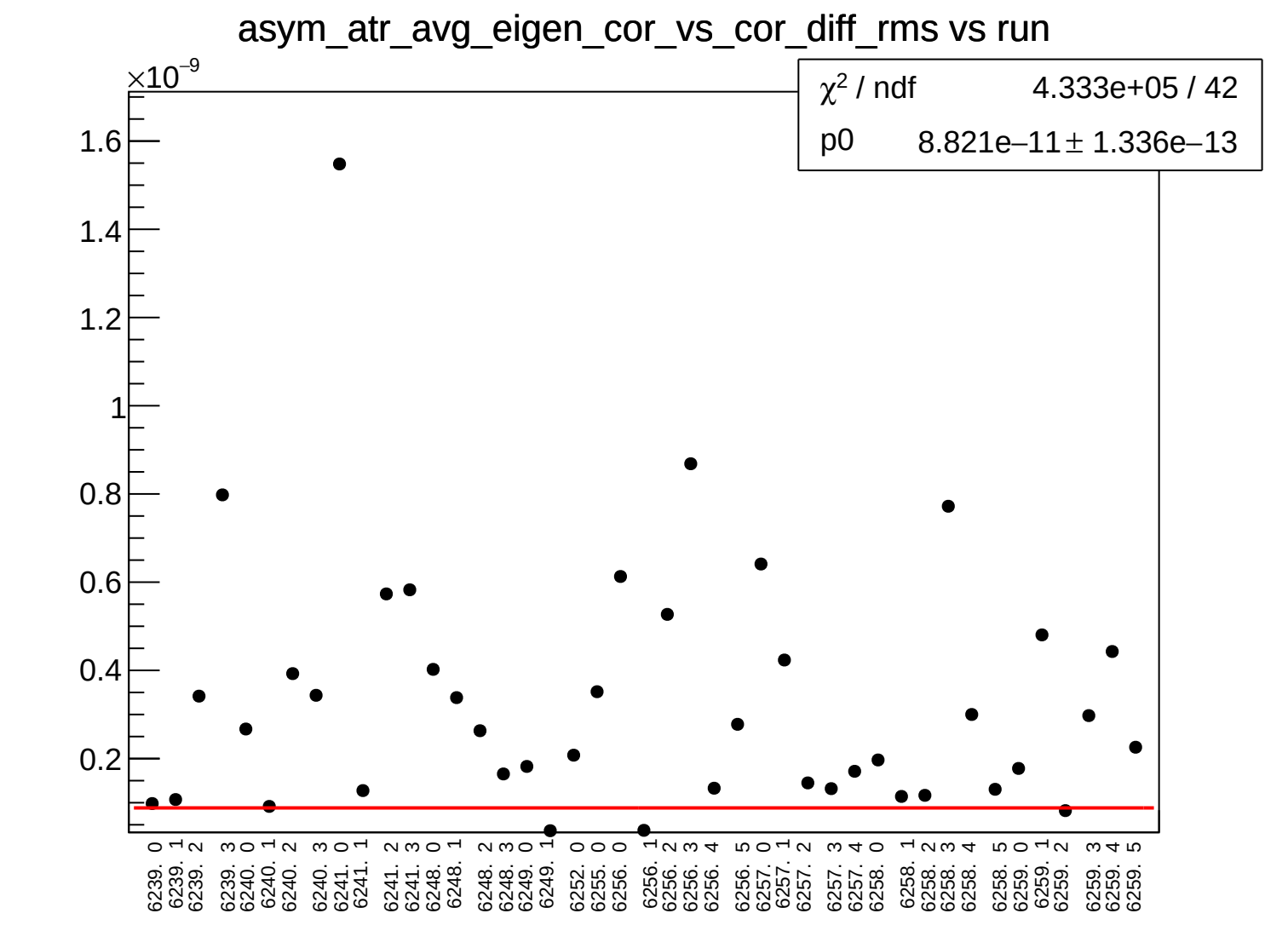

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.22 / 42
p0 0.3179 ± 0.331
pull
Entries 43
Mean −32.44
Std Dev 0

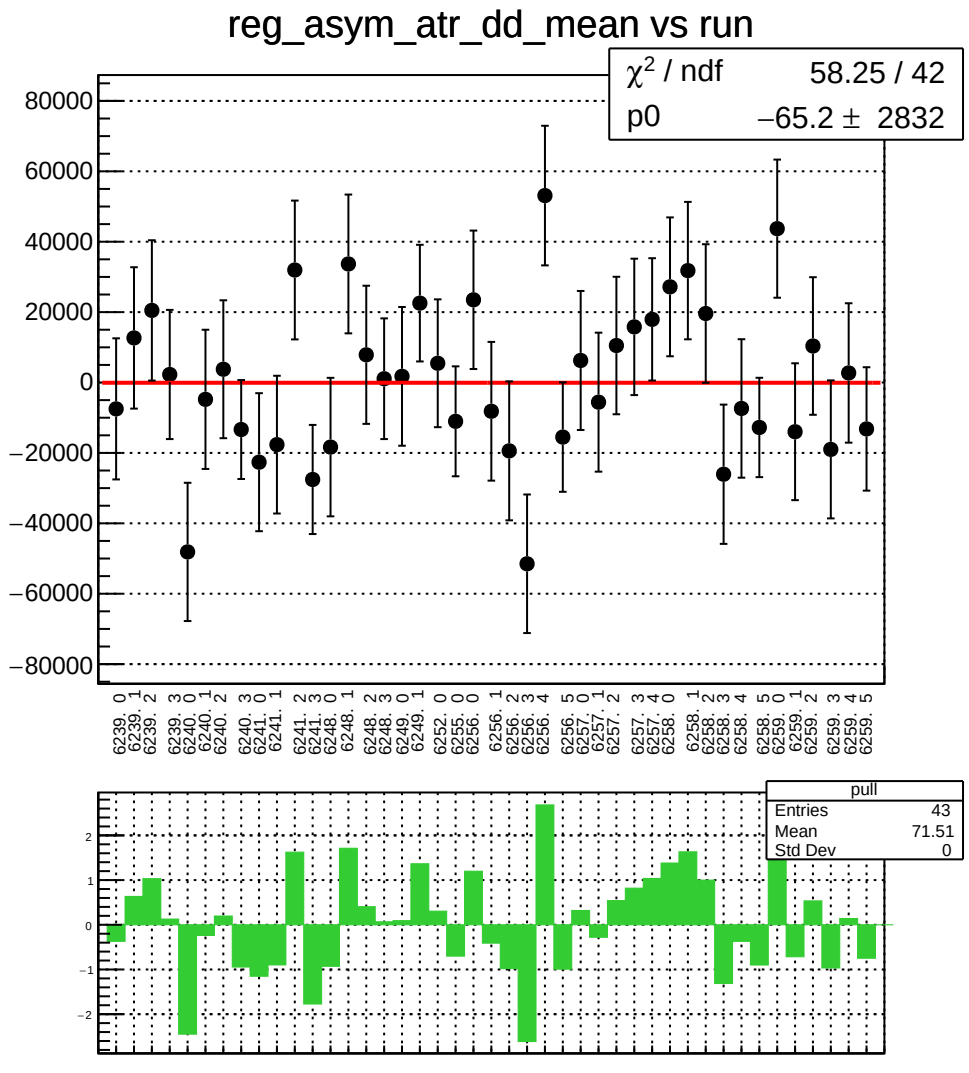

pull1D
Entries 43
Mean 0.03082
Std Dev 0.9298

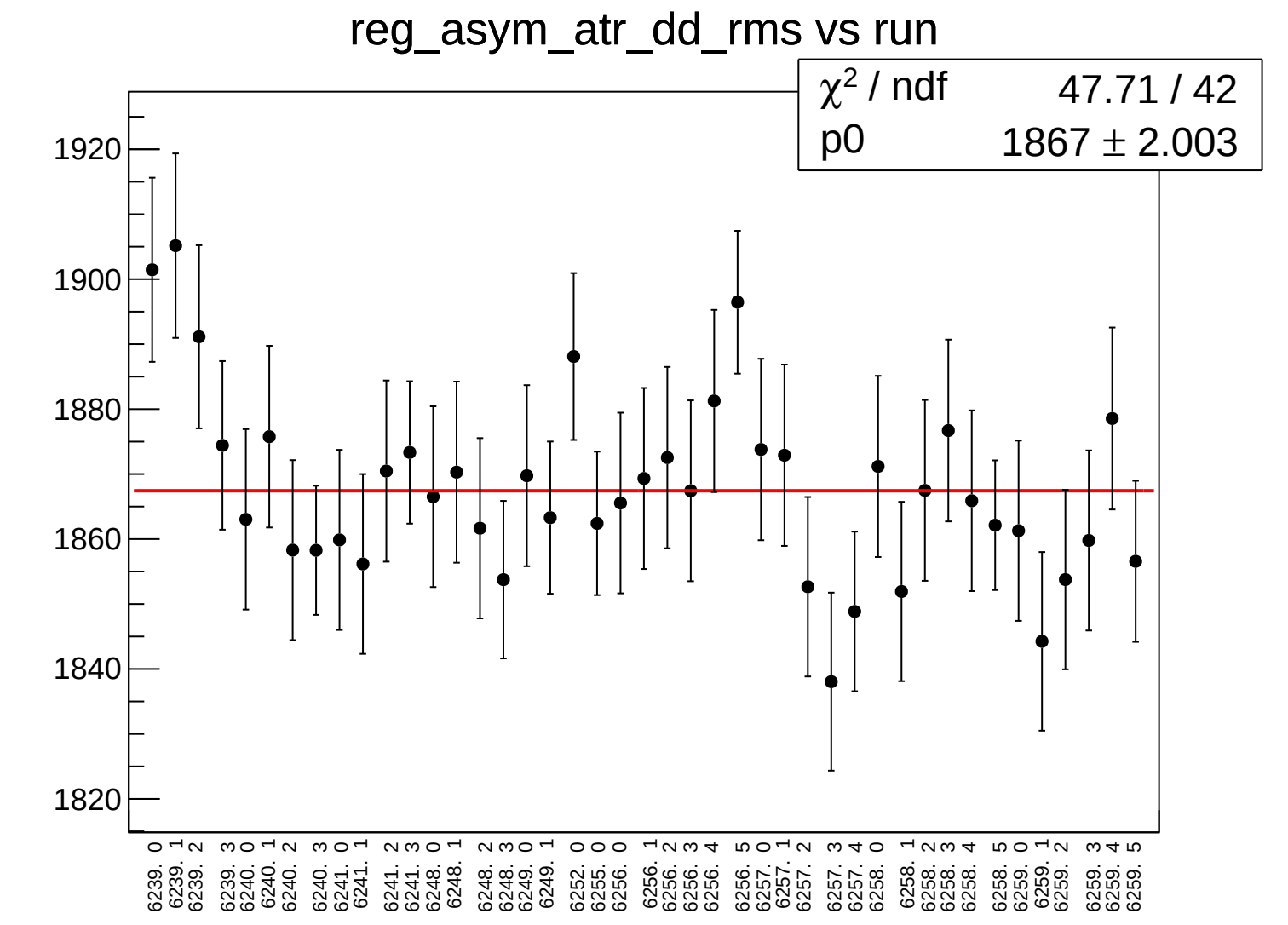

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.311e+04 / 42
p0 211.5 ± 0.2341
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

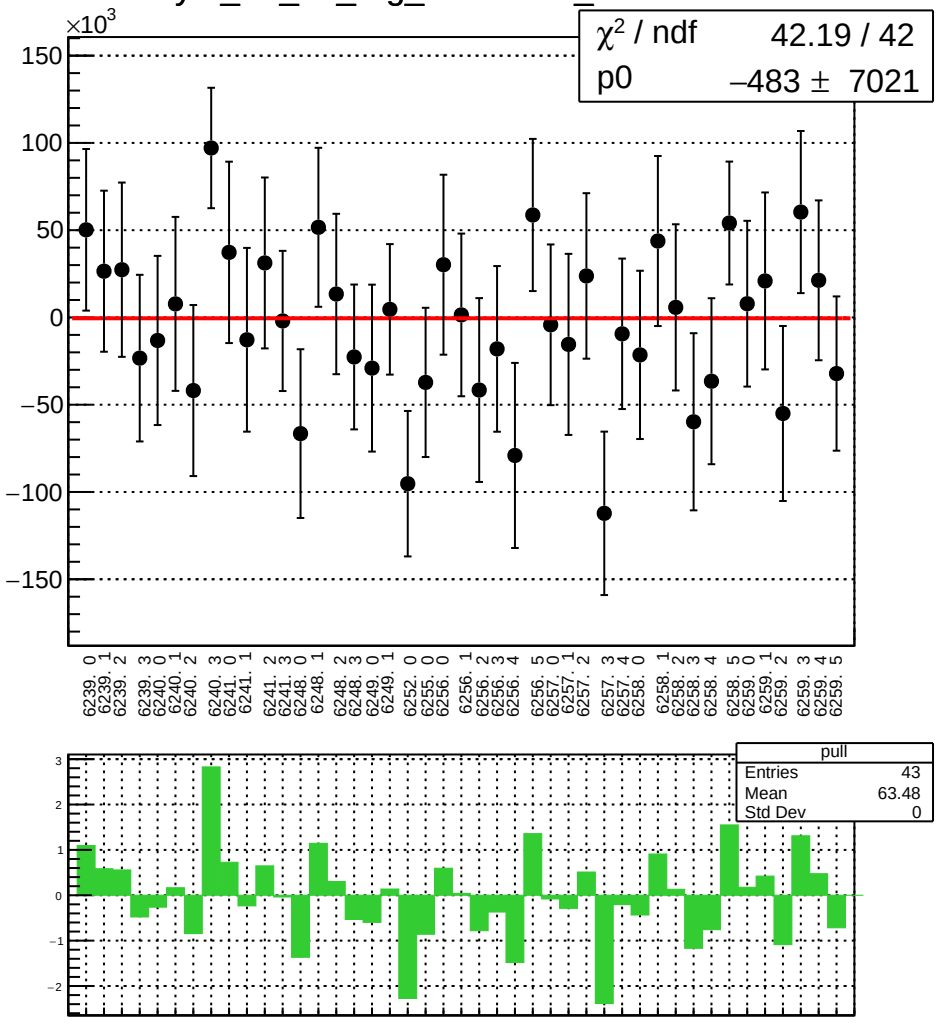

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.8 / 42
p0 1.735e−13 ± 1.889e−13
20
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 67.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

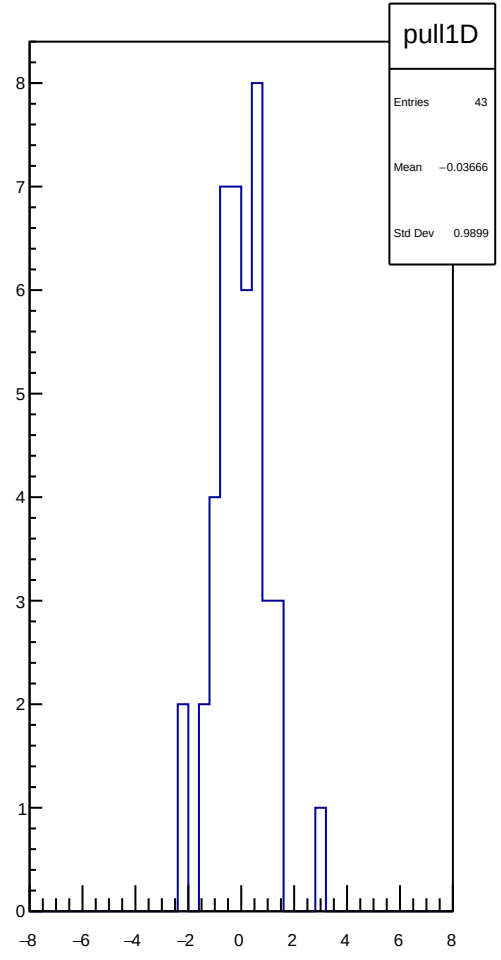

pull1D
Entries 43
Mean −0.05274
Std Dev 0.8447
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

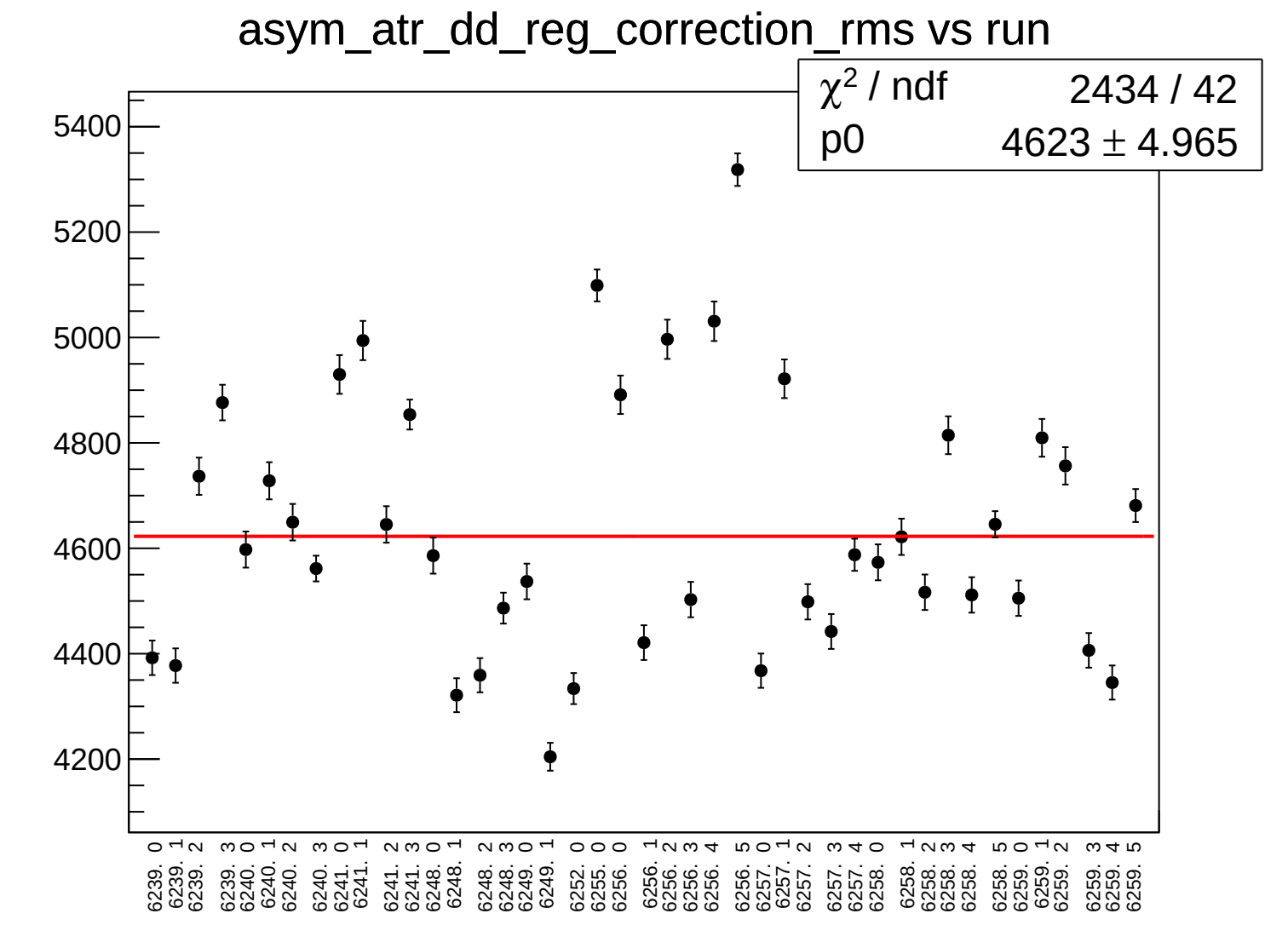

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.333e+05 / 42
p0 8.821e−11 ± 1.336e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_atr_dd_mean vs run
χ² / ndf 58.25 / 42
p0 −65.2 ± 2832
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.51
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.031
Std Dev 1.163
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_dd_rms vs run
χ² / ndf 47.71 / 42
p0 1867 ± 2.003
1920
1900
1880
1860
1840
1820
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42.19 / 42
p0 −483 ± 7021
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.48
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03666
Std Dev 0.9899
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2434 / 42
p0 4623 ± 4.965
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
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6259. 2
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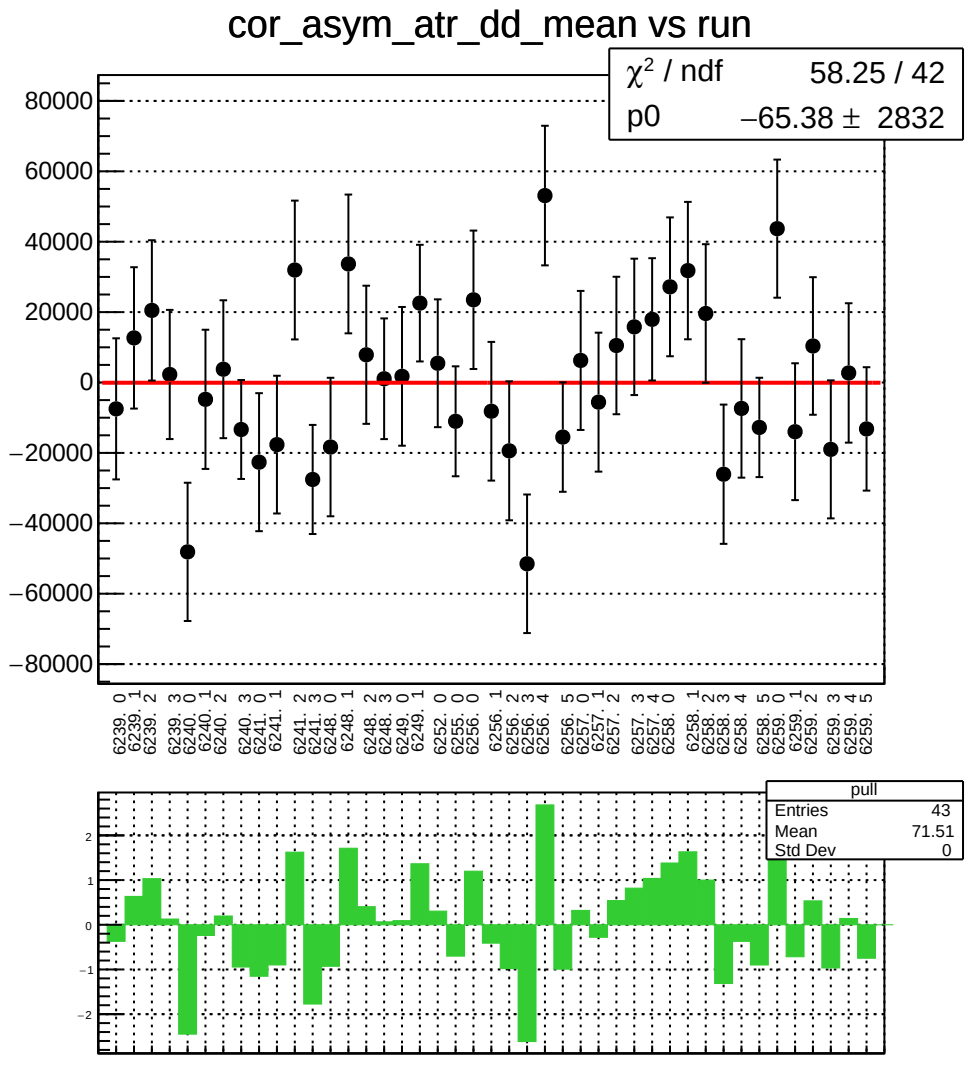
6259. 4
6259. 5


cor_asym_atr_dd_mean vs run
χ² / ndf 58.25 / 42
p0 −65.38 ± 2832
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.51
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03101
Std Dev 1.163
8
7
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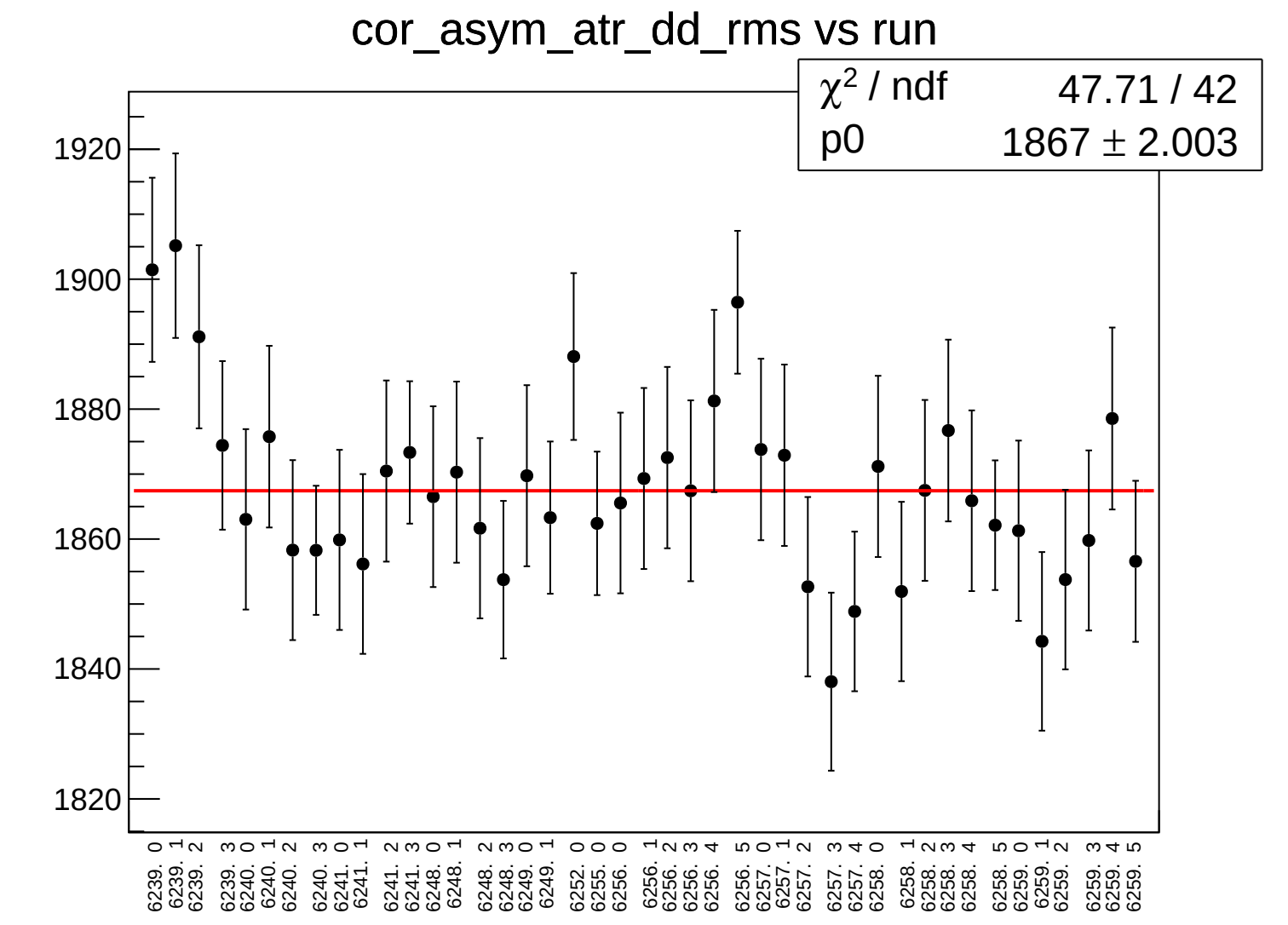
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_dd_rms vs run
χ² / ndf 47.71 / 42
p0 1867 ± 2.003
1920
1900
1880
1860
1840
1820
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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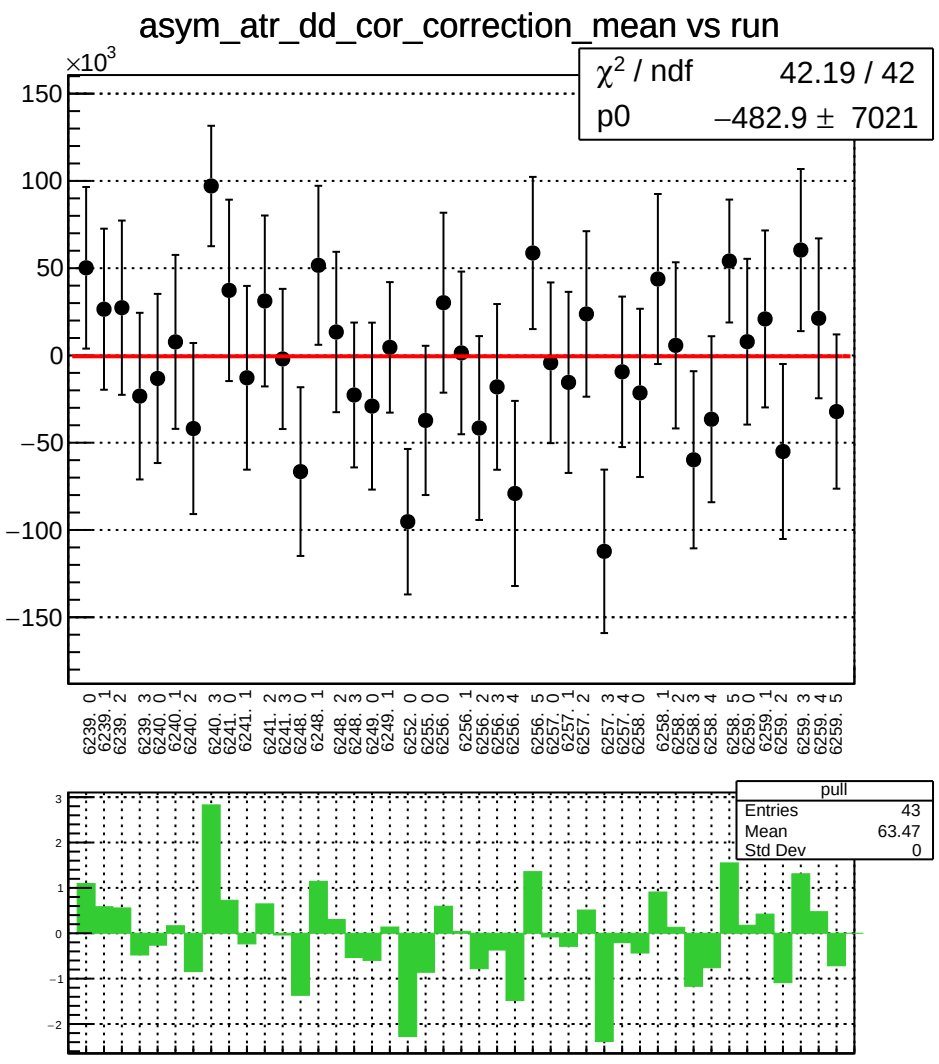
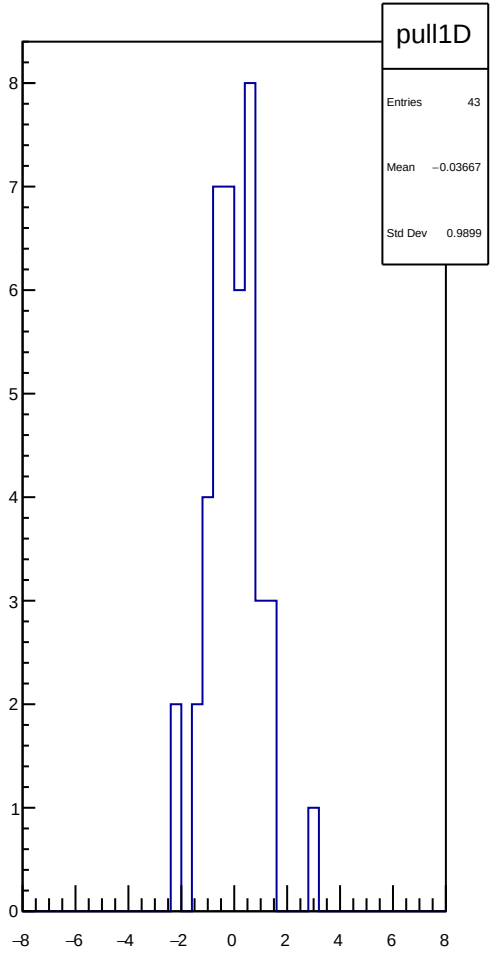
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42.19 / 42
p0 −482.9 ± 7021
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.47
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03667
Std Dev 0.9899
8
7
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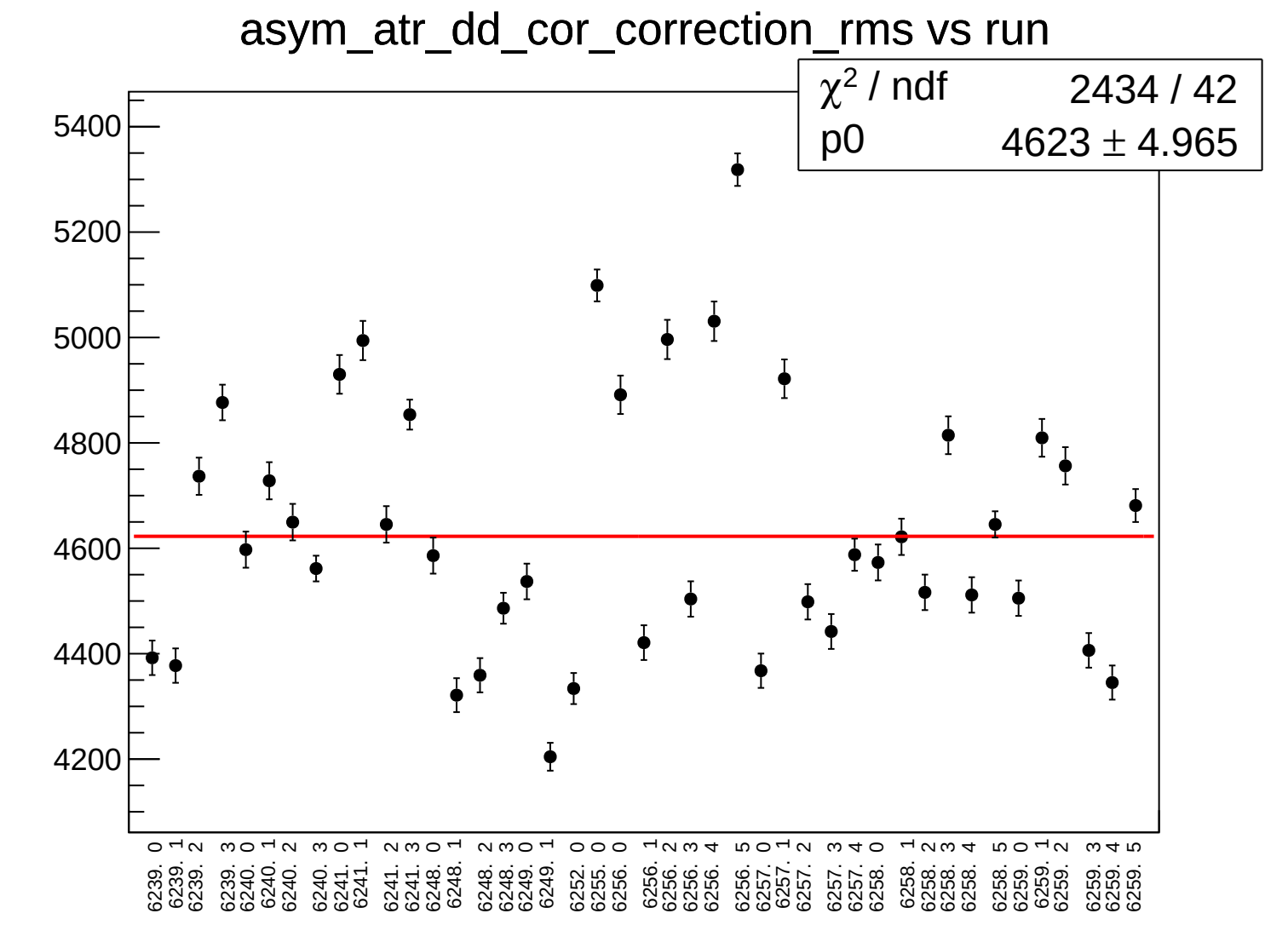
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2434 / 42
p0 4623 ± 4.965
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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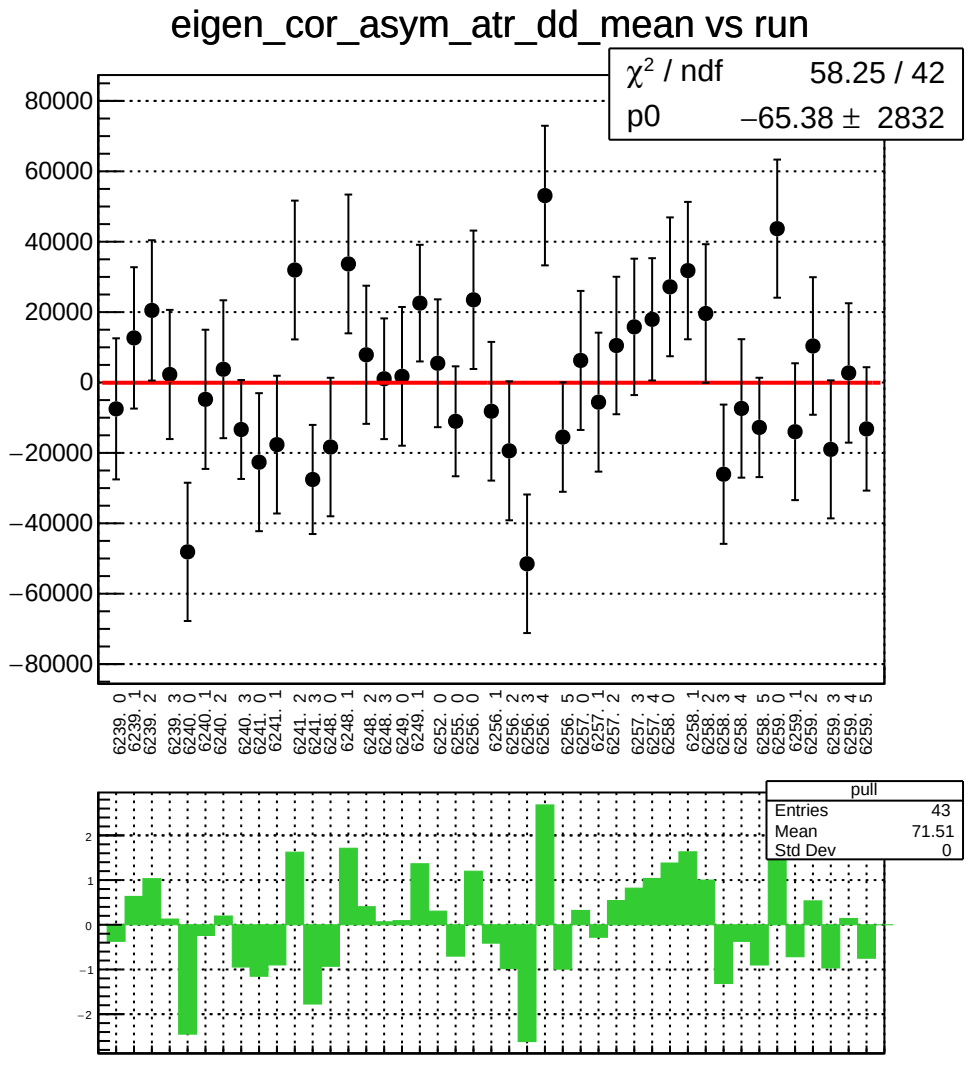
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 58.25 / 42
p0 −65.38 ± 2832
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
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6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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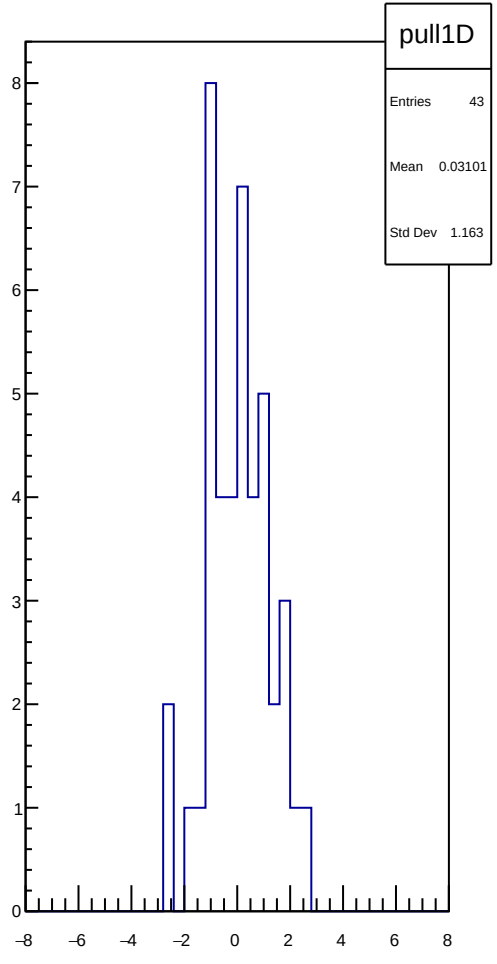
6259. 4
6259. 5
pull
Entries 43
Mean 71.51
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03101
Std Dev 1.163
8
7
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5
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−8
−6
−4
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0
2
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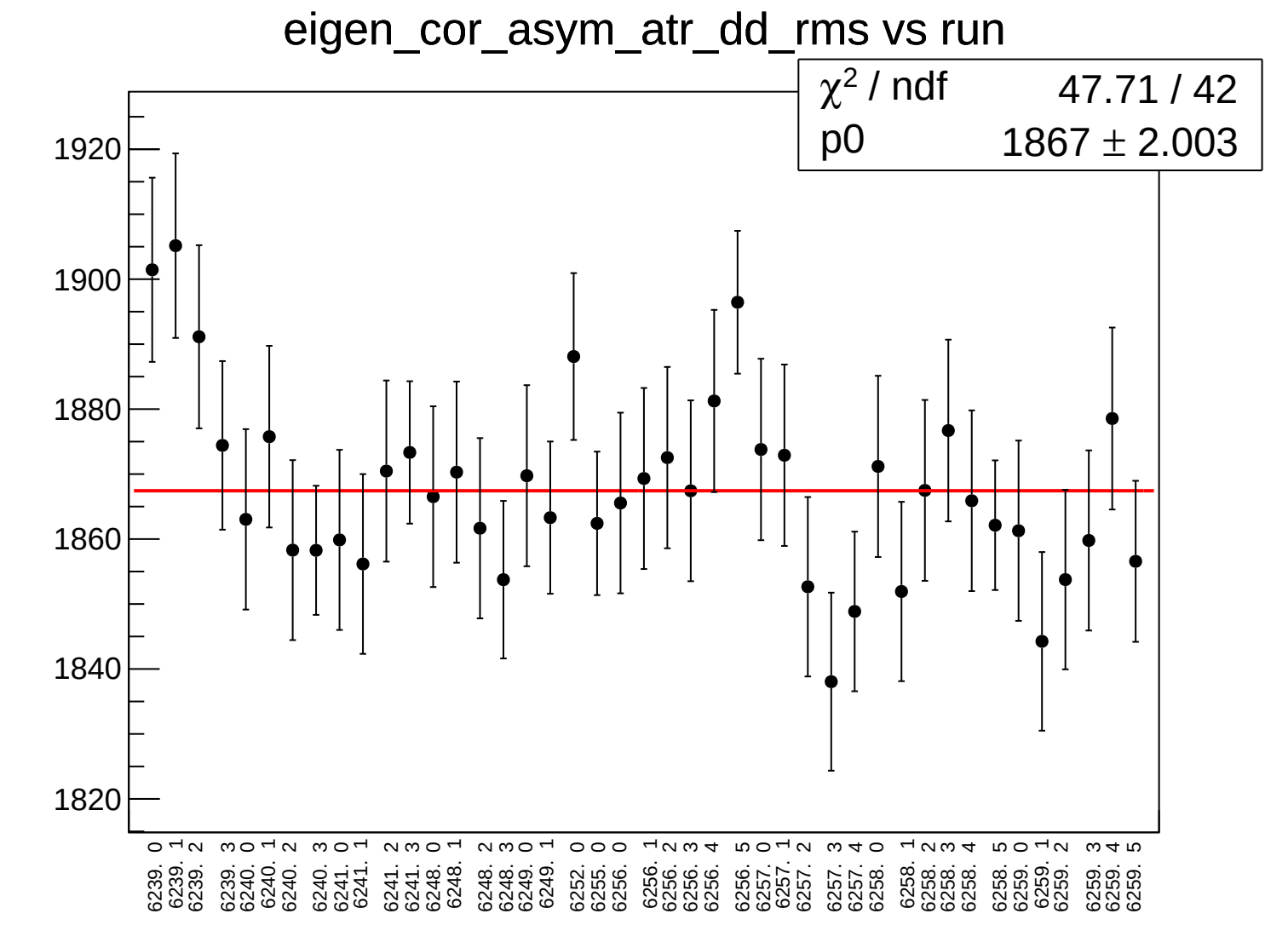
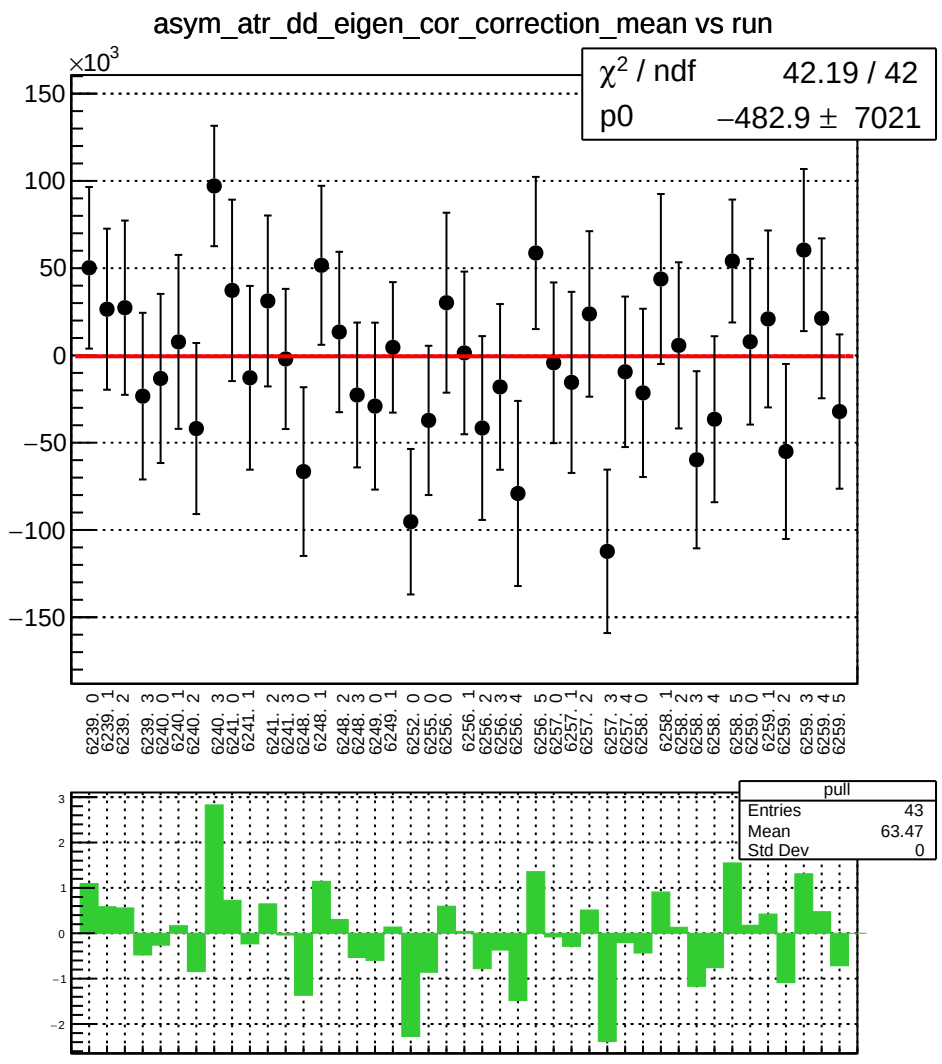

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 47.71 / 42
p0 1867 ± 2.003
1920
1900
1880
1860
1840
1820
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.19 / 42
p0 −482.9 ± 7021
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.47
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03667
Std Dev 0.9899
8
7
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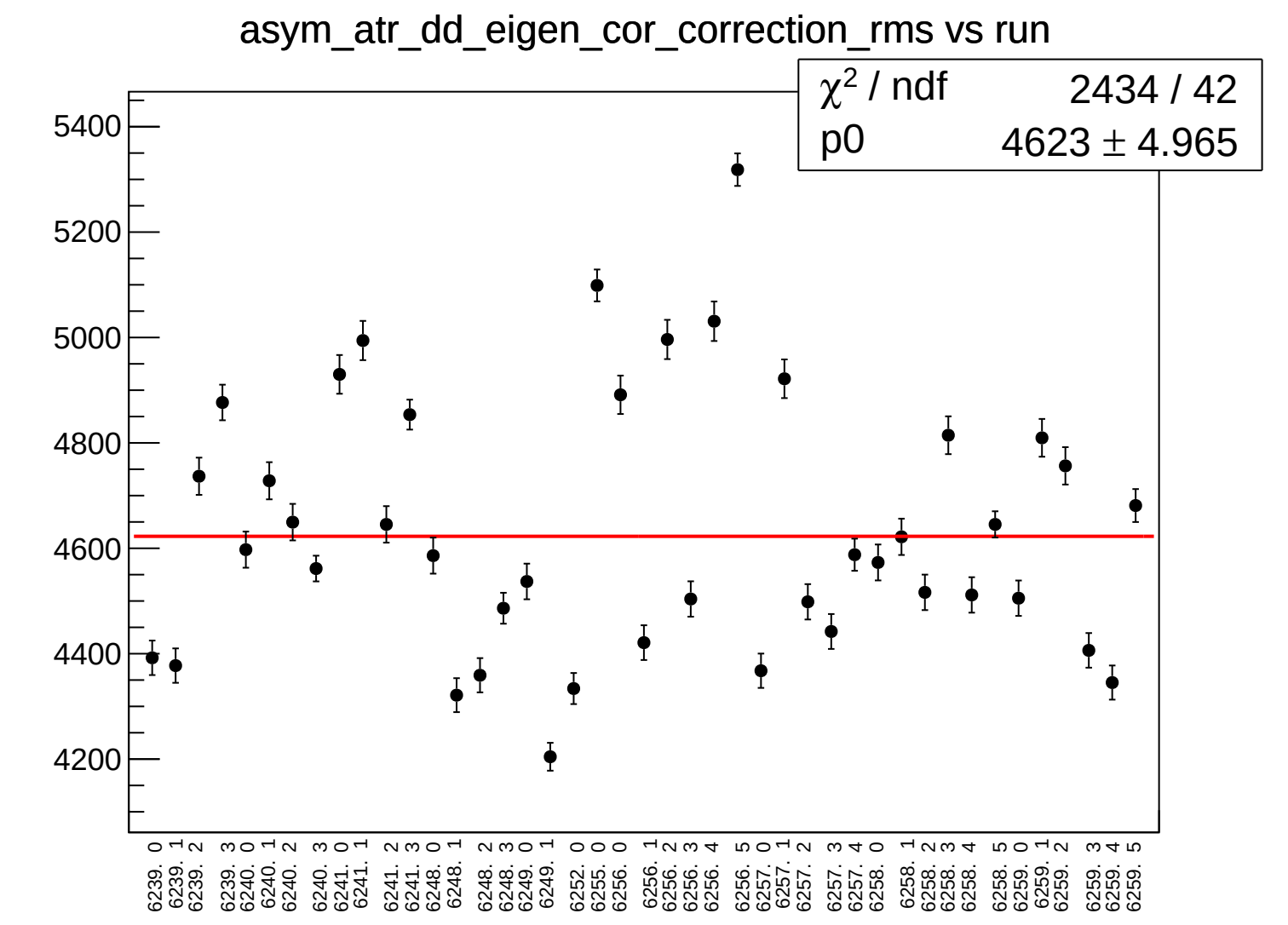
asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2434 / 42
p0 4623 ± 4.965
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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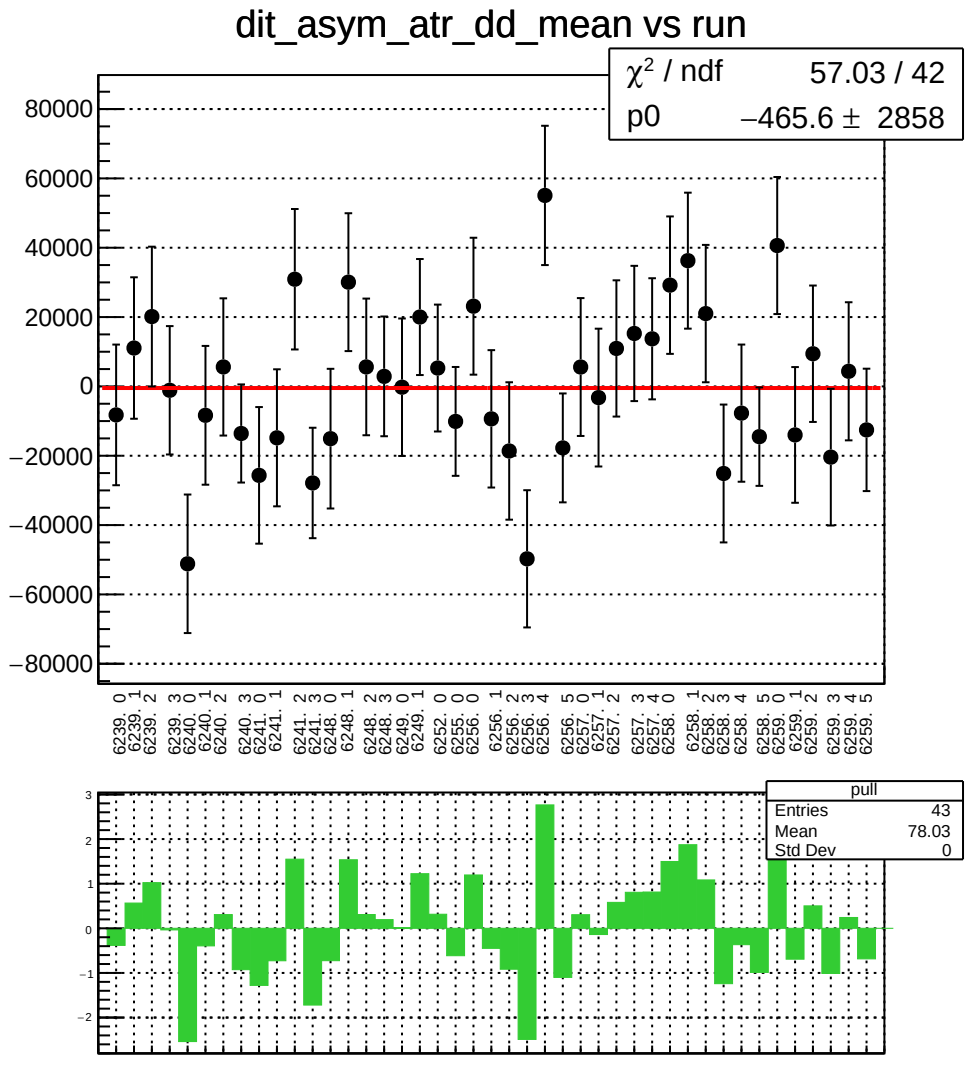
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atr_dd_mean vs run
χ² / ndf 57.03 / 42
p0 −465.6 ± 2858
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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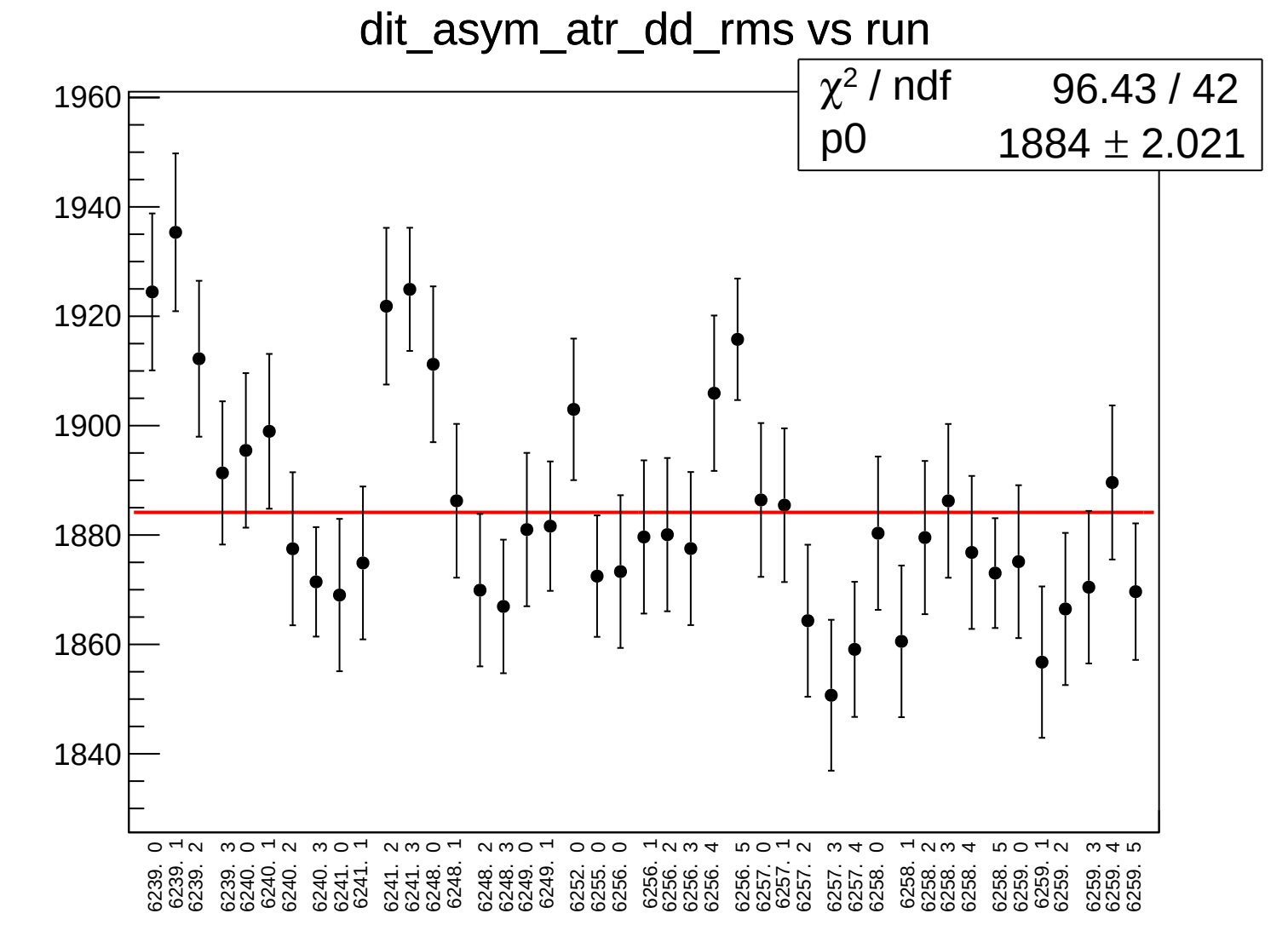
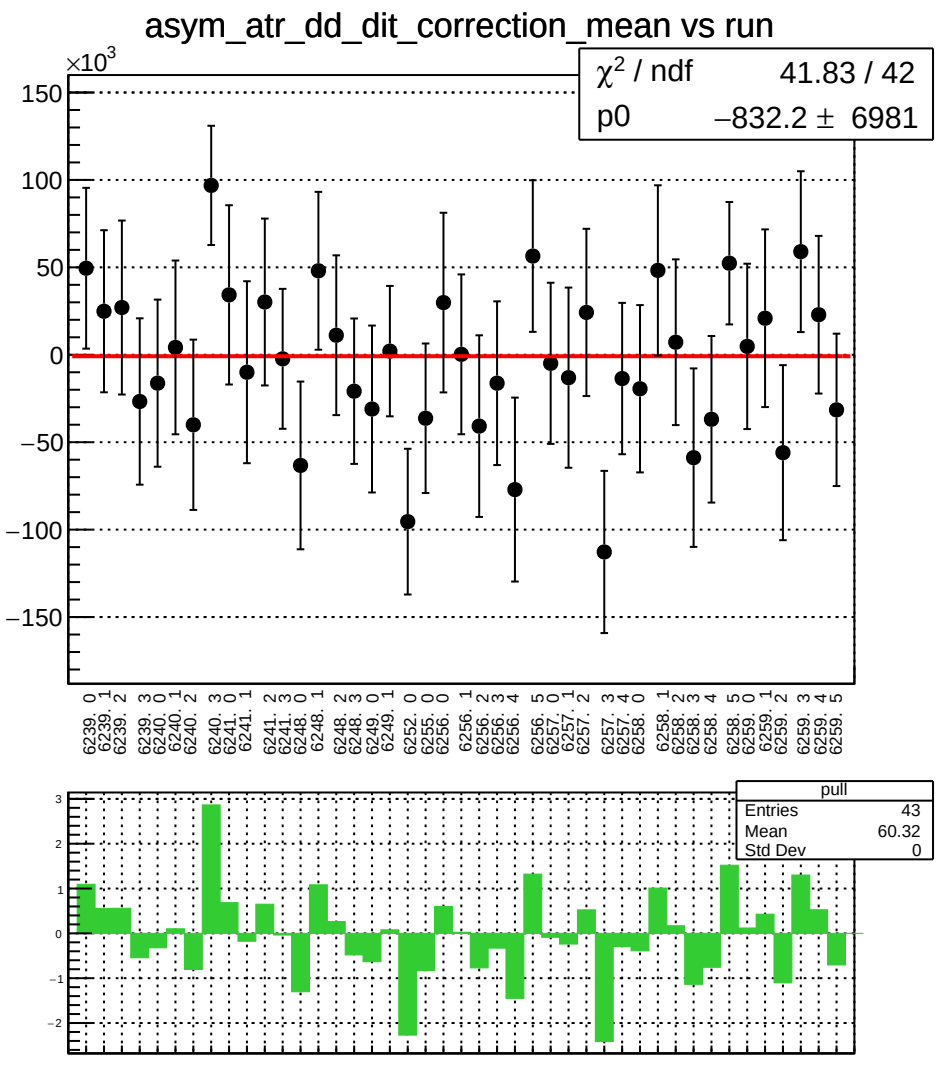
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 78.03
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03173
Std Dev 1.151
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr_dd_rms vs run
χ² / ndf 96.43 / 42
p0 1884 ± 2.021
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 41.83 / 42
p0 −832.2 ± 6981
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 60.32
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03716
Std Dev 0.9856
8
7
6
5
4
3
2
1
0
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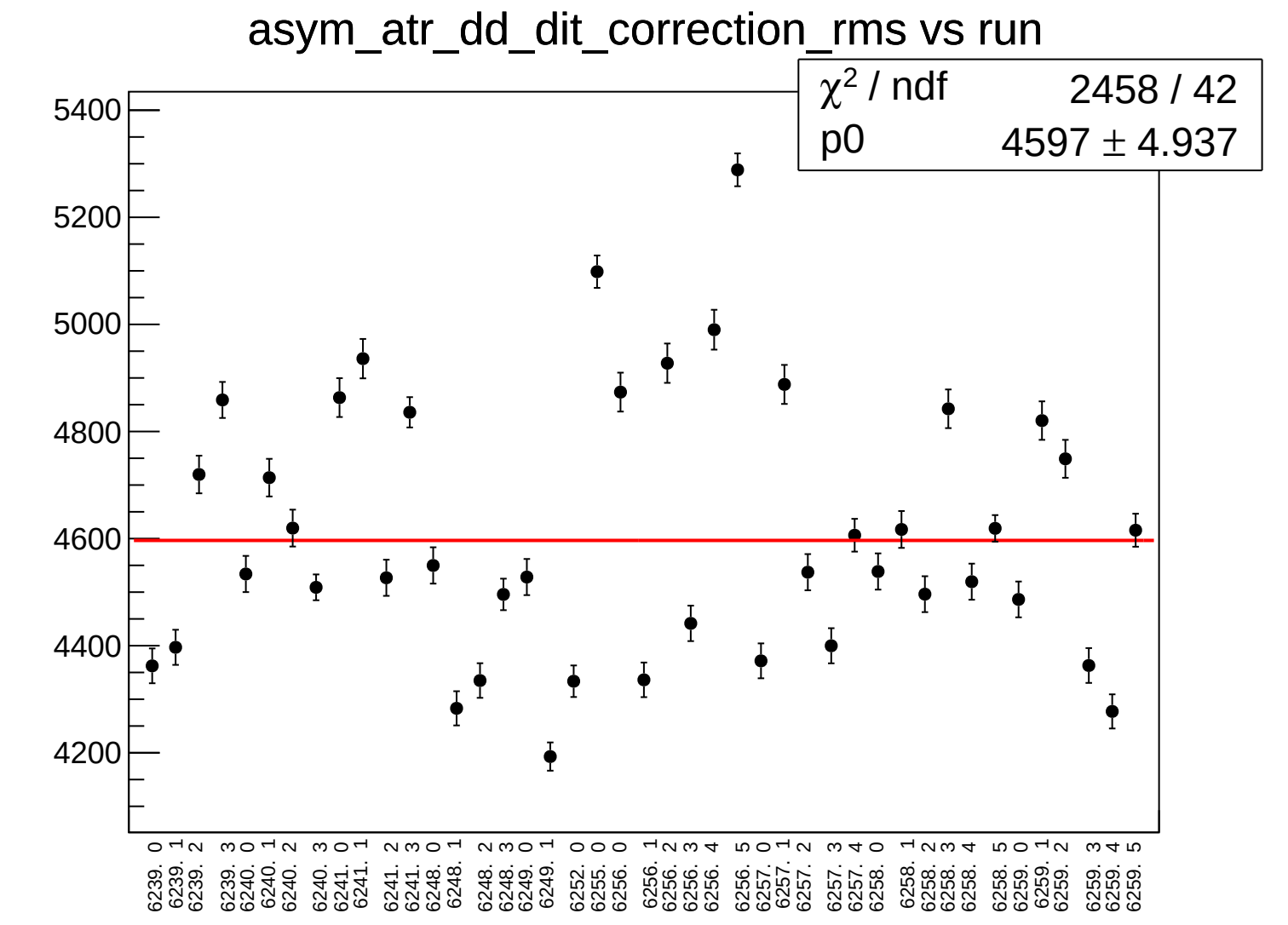
−6
−4
−2
0
2
4
6
8


asym_atr_dd_dit_correction_rms vs run
χ² / ndf 2458 / 42
p0 4597 ± 4.937
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
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6259. 2
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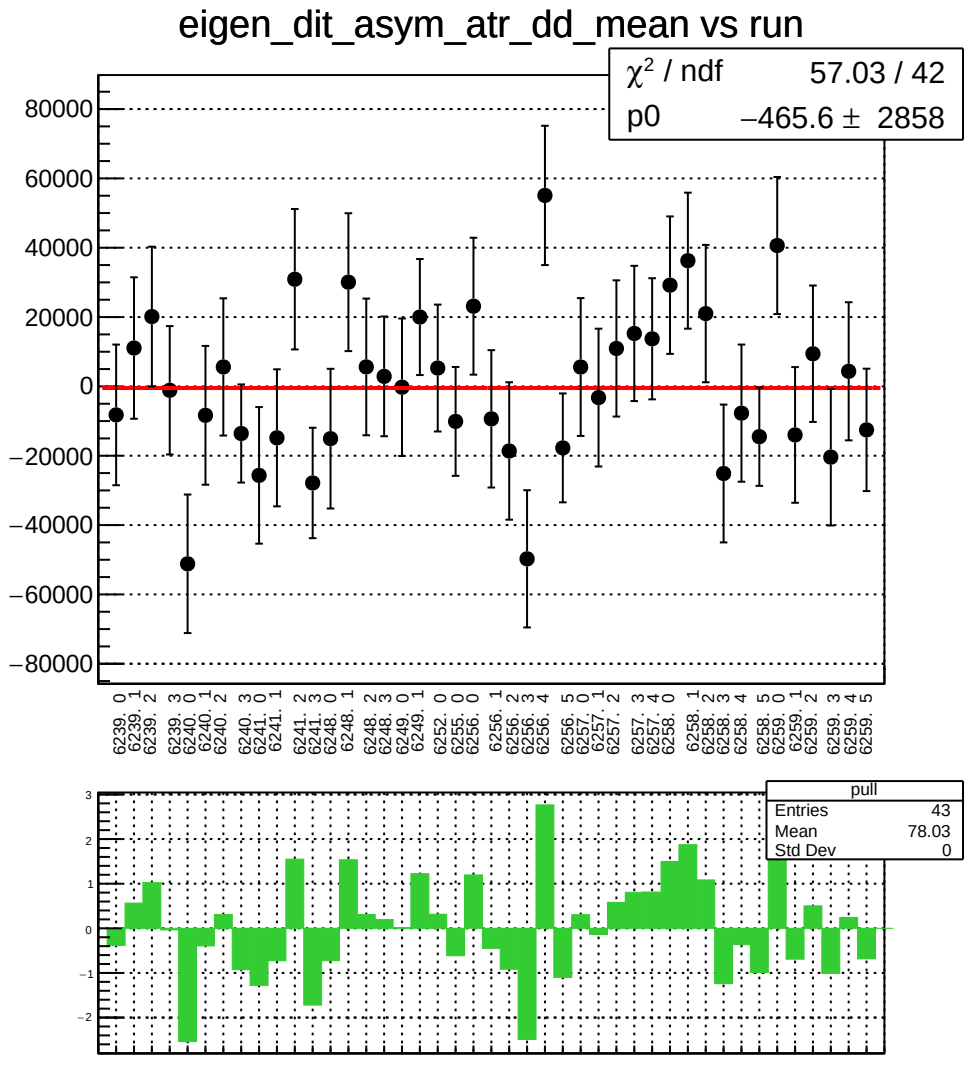
6259. 5


eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 57.03 / 42
p0 −465.6 ± 2858
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 4
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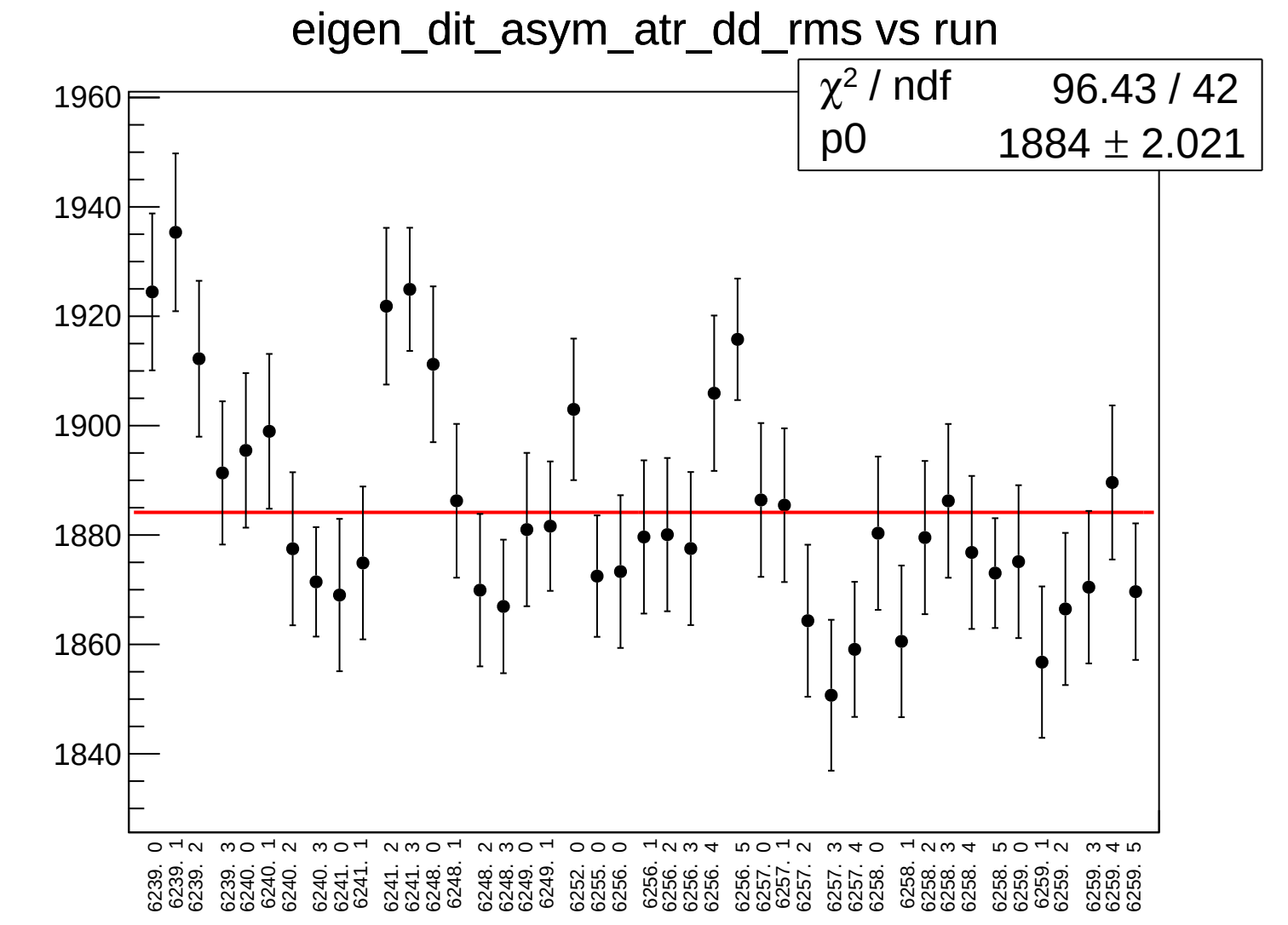
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 78.03
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03173
Std Dev 1.151
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 96.43 / 42
p0 1884 ± 2.021
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
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6240. 1
6240. 2
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6241. 0
6241. 1
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6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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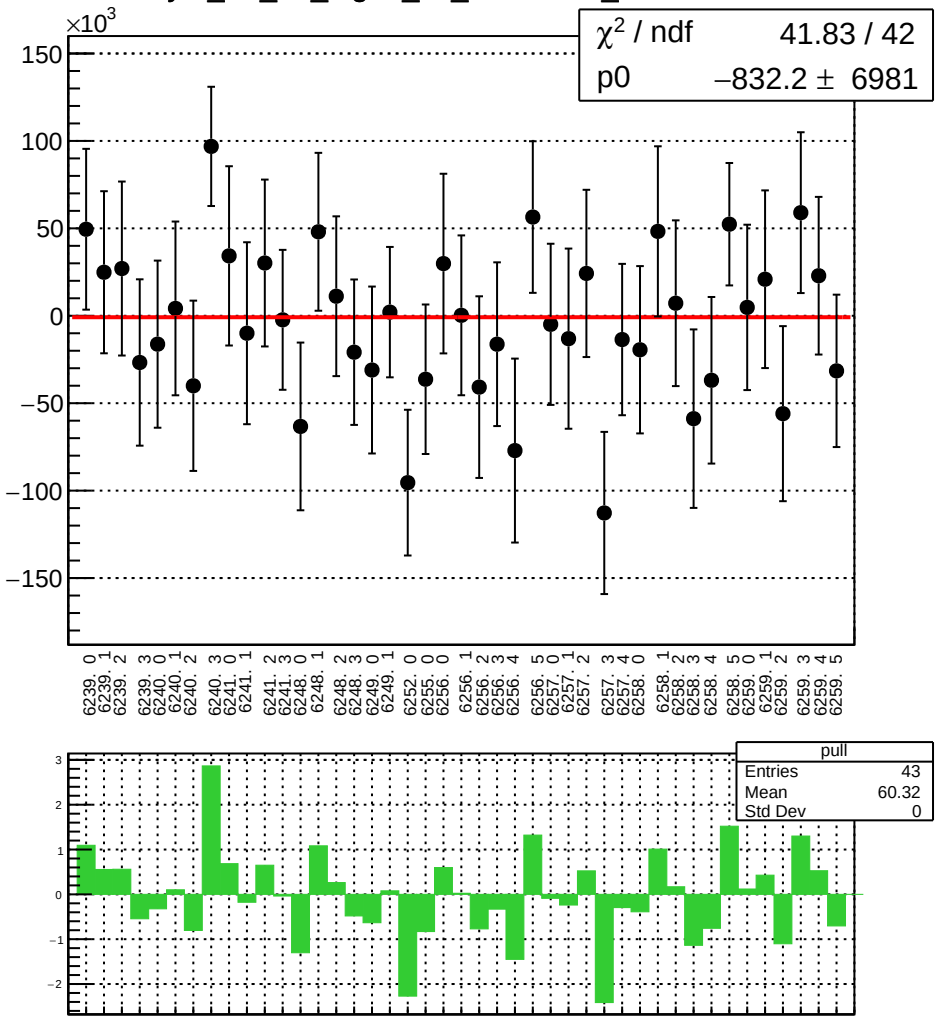
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 41.83 / 42
p0 −832.2 ± 6981
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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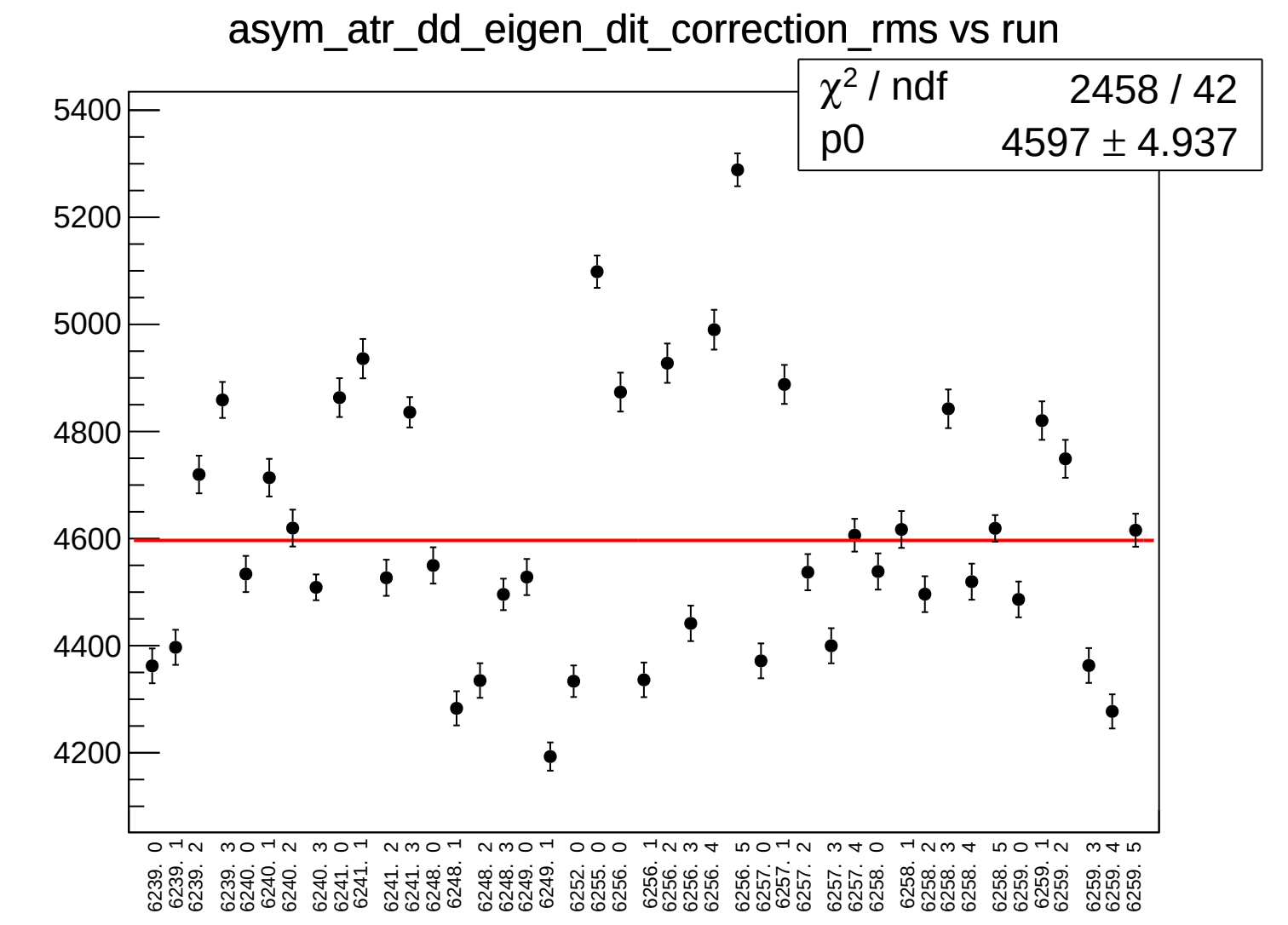
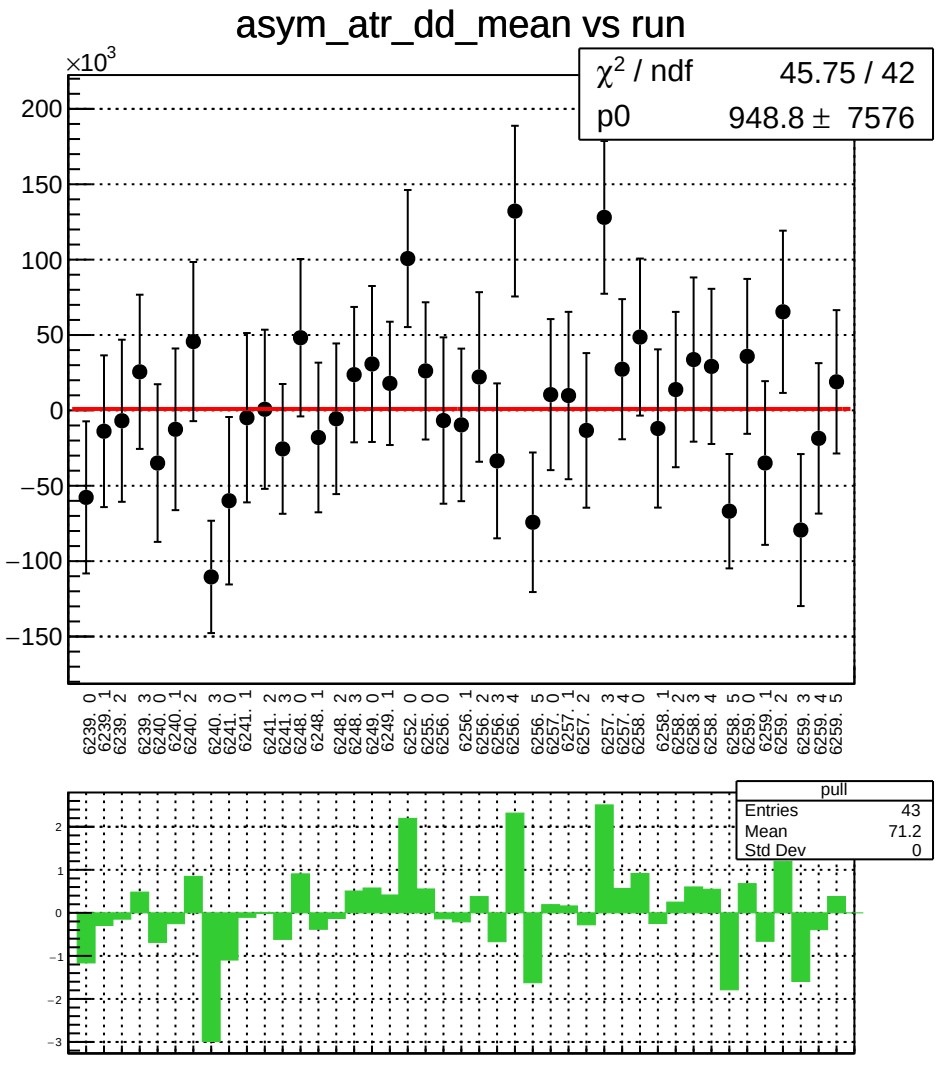
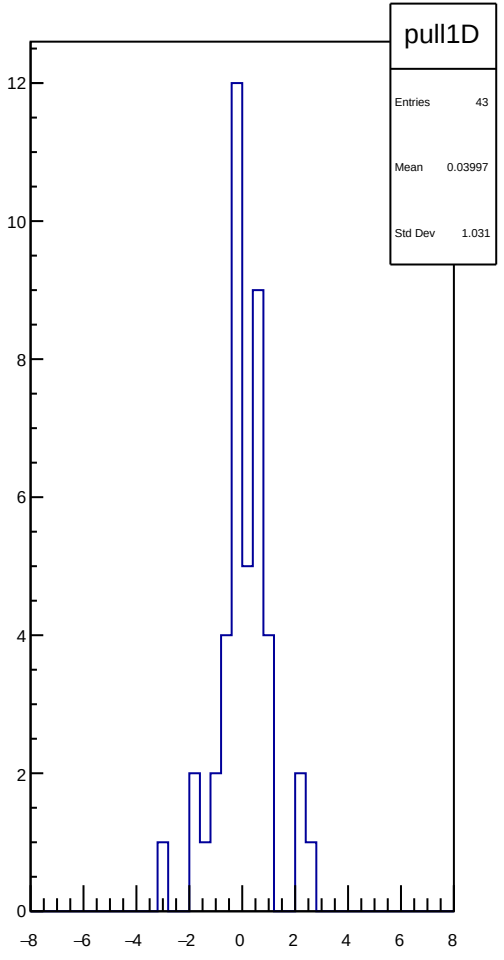
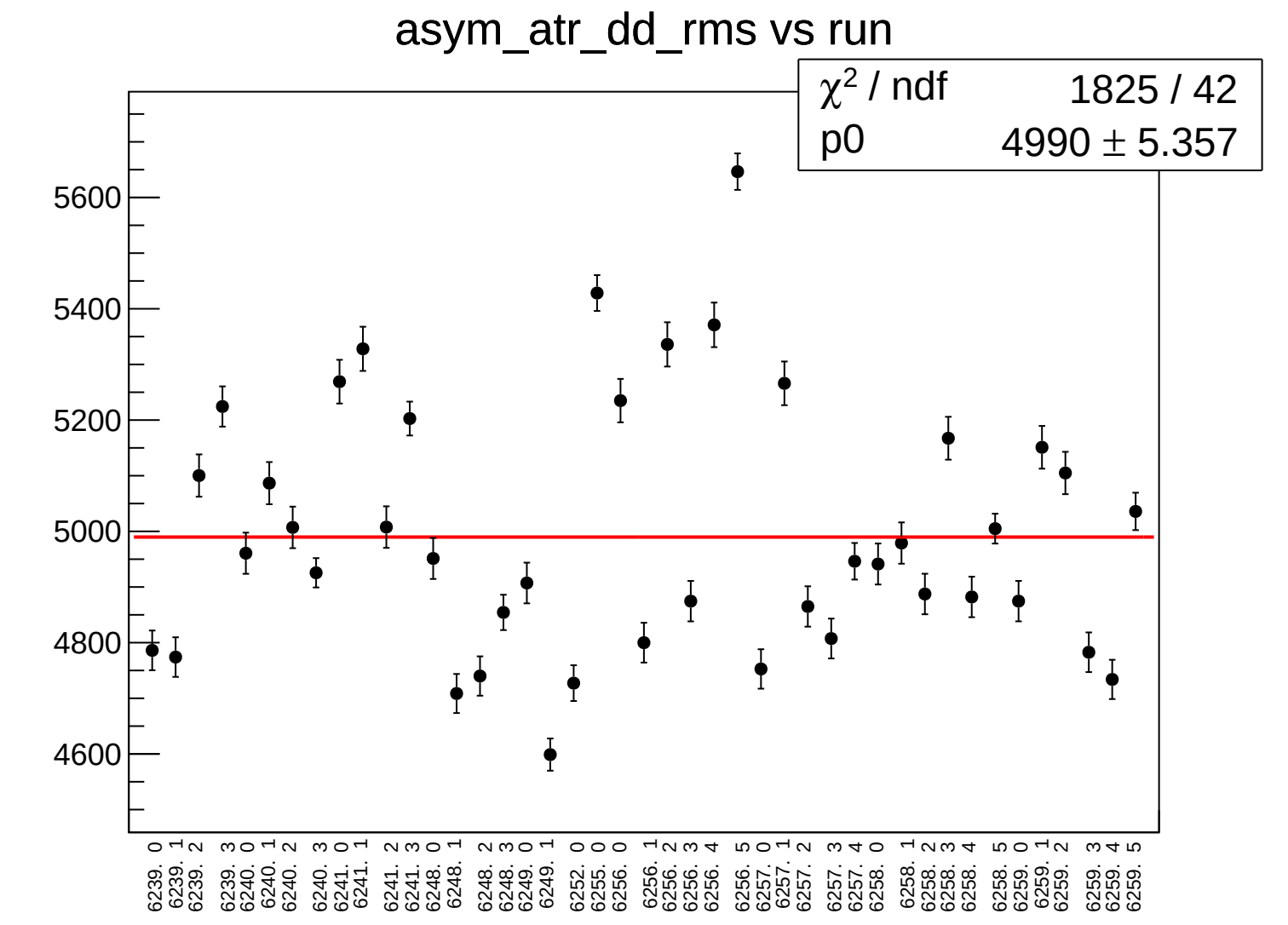
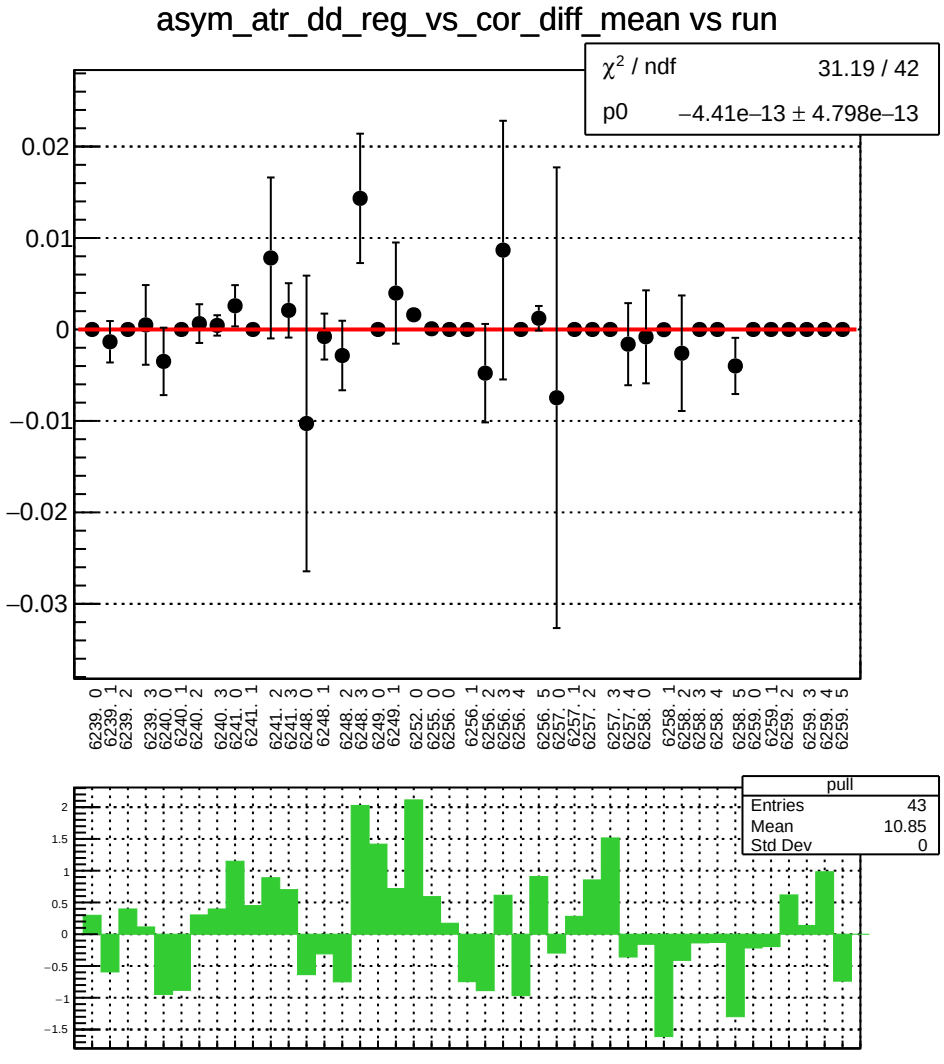
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 60.32
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03716
Std Dev 0.9856
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

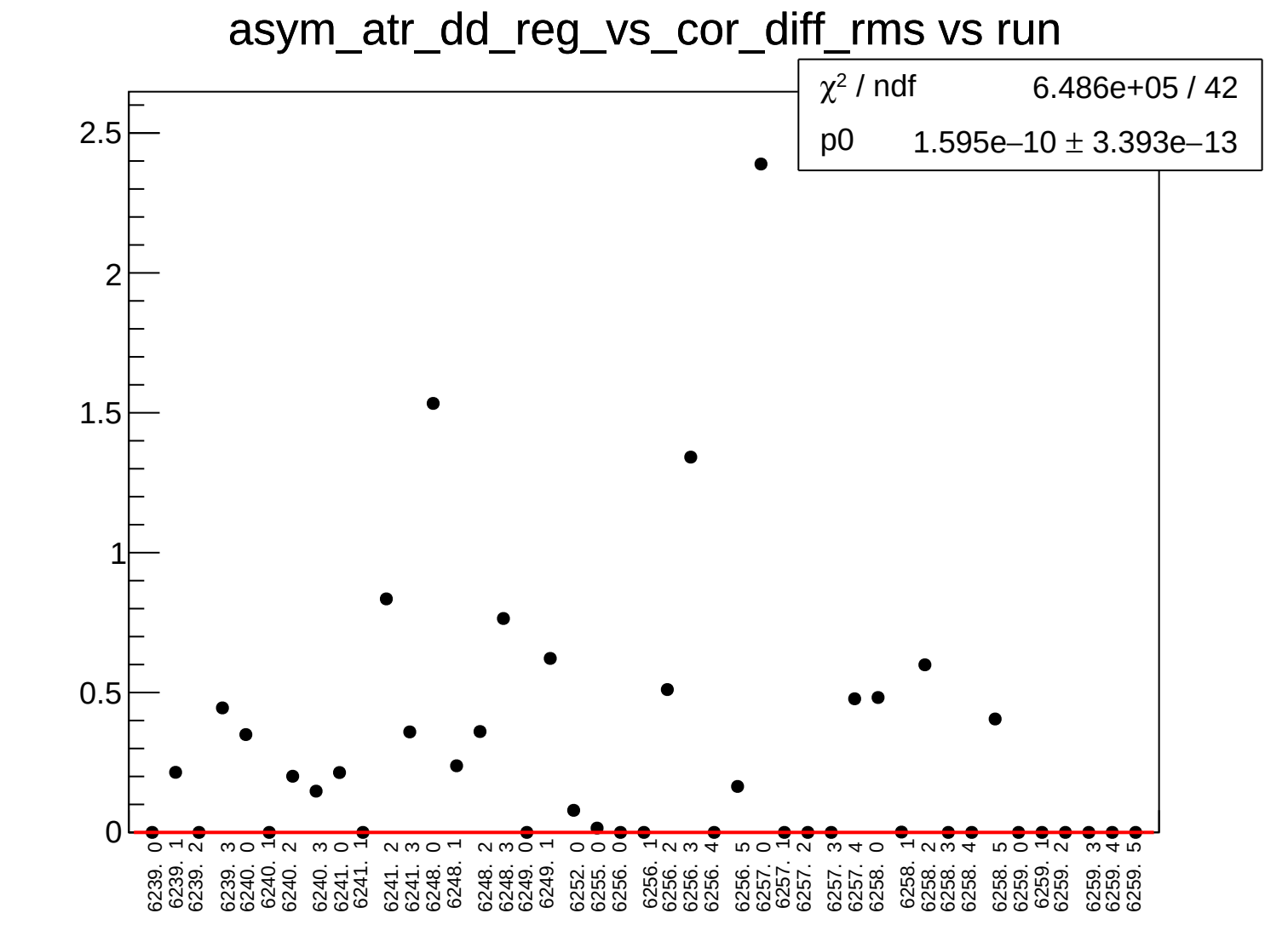

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 2458 / 42
p0 4597 ± 4.937
5400
5200
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

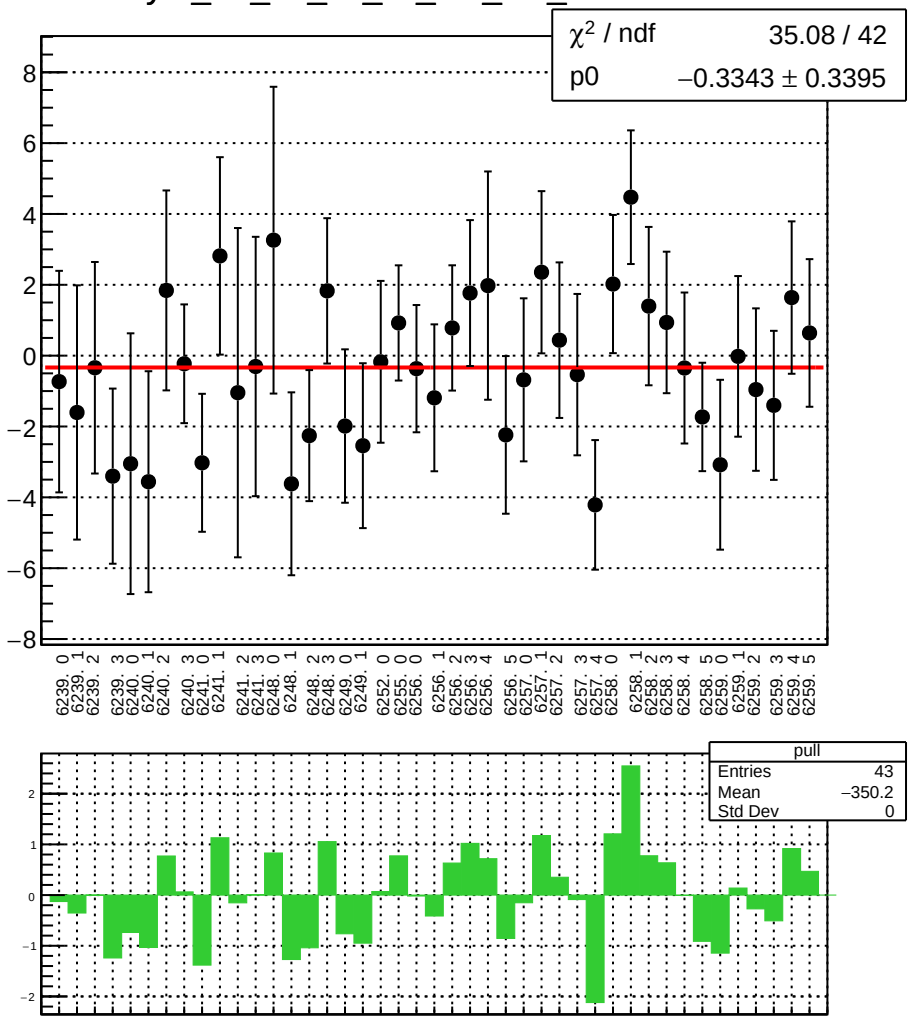

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 45.75 / 42
p0 948.8 ± 7576
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.2
Std Dev 0
2
1
0
−1
−2
−3

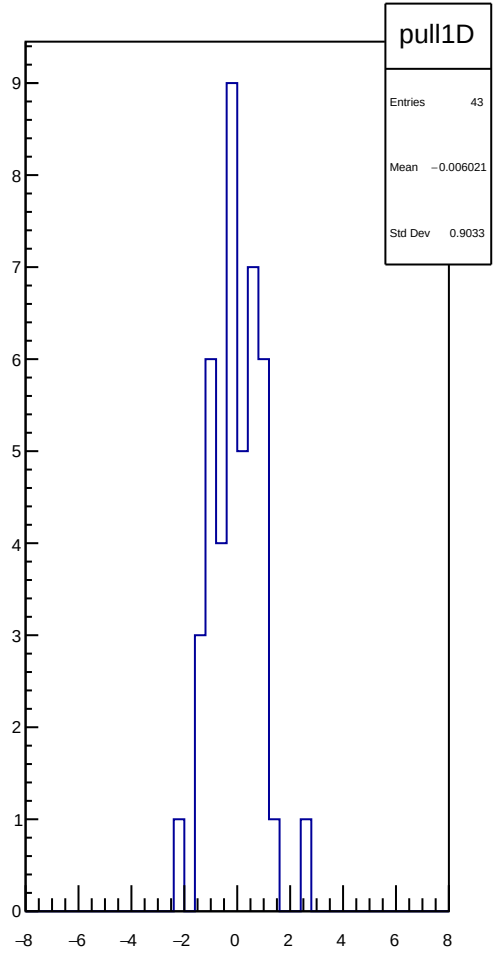

pull1D
Entries 43
Mean 0.03997
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

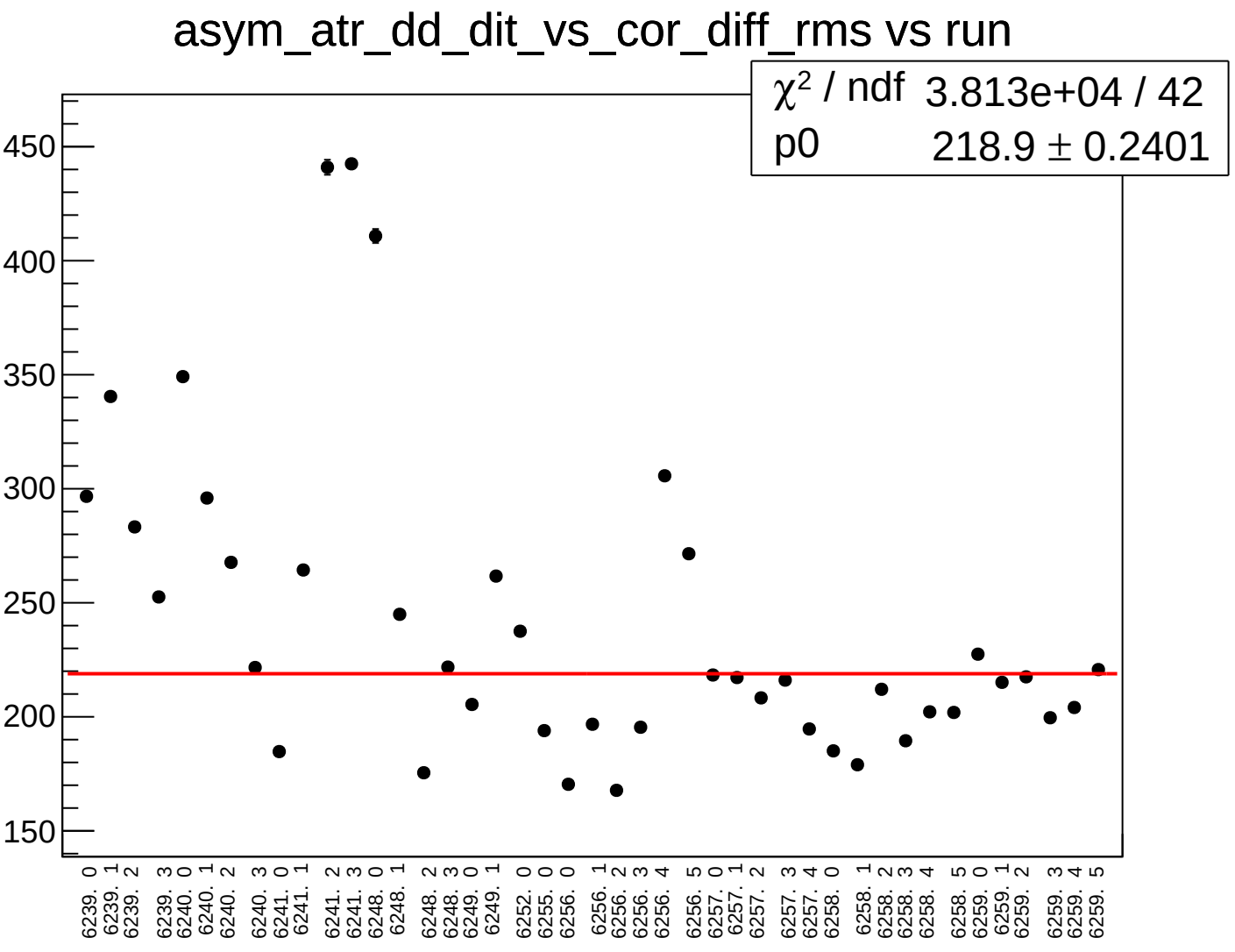

asym_atr_dd_rms vs run
$\chi^2$ / ndf 1825 / 42
p0 4990 ± 5.357
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.19 / 42
p0 −4.41e−13 ± 4.798e−13
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1253
Std Dev 0.8424
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

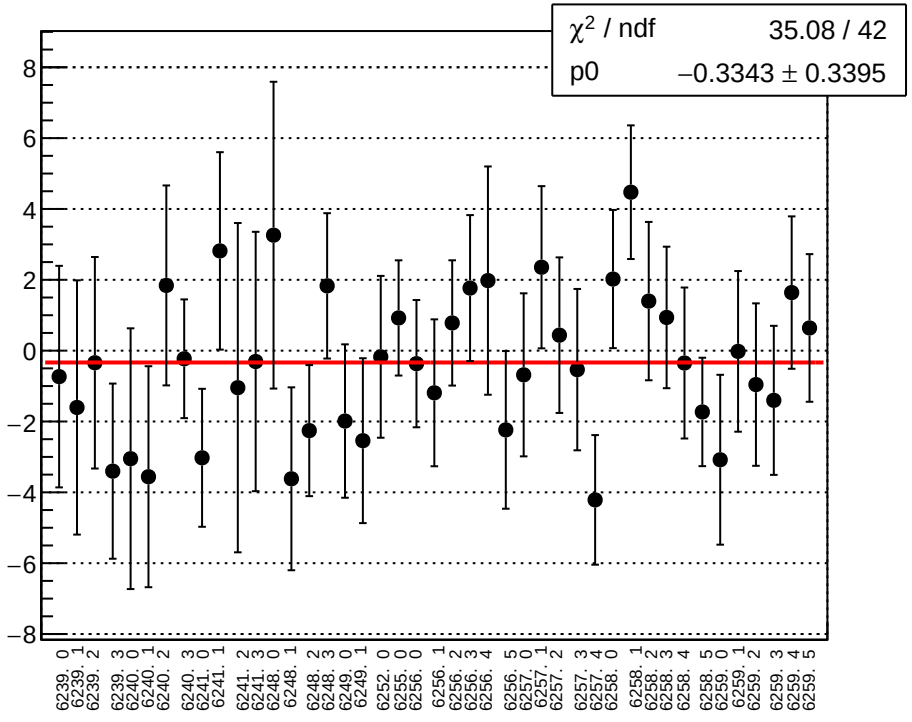

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.486e+05 / 42
p0 1.595e−10 ± 3.393e−13
2.5
2
1.5
1
0.5
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

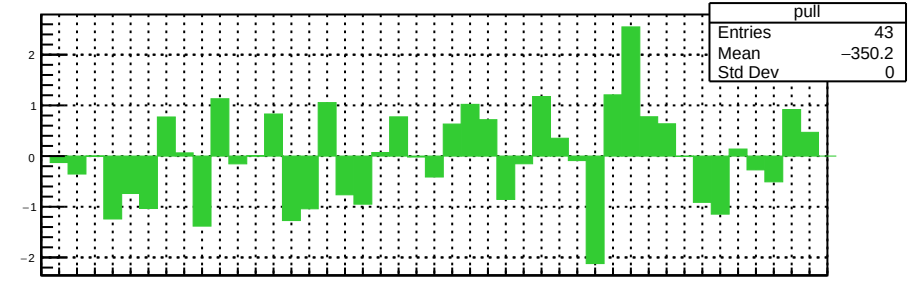

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.08 / 42
p0 −0.3343 ± 0.3395
pull
Entries 43
Mean −350.2
Std Dev 0

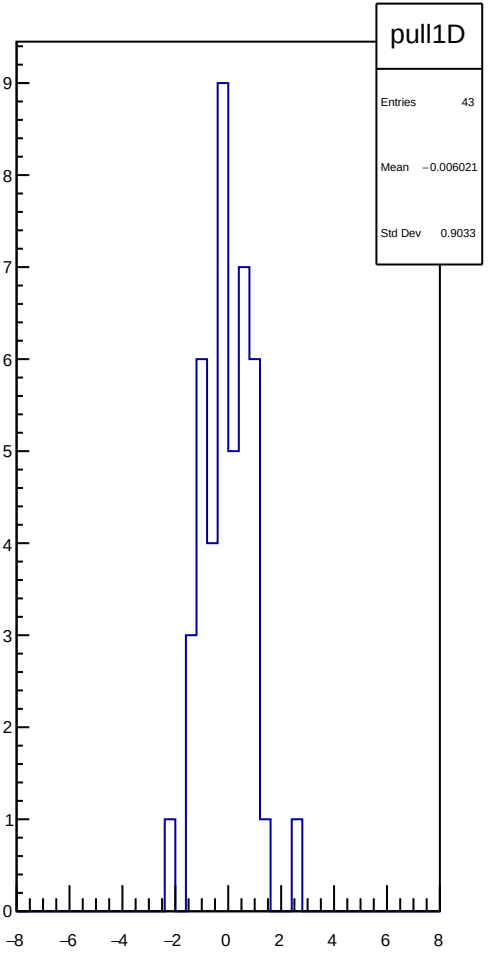

pull1D
Entries 43
Mean −0.006021
Std Dev 0.9033

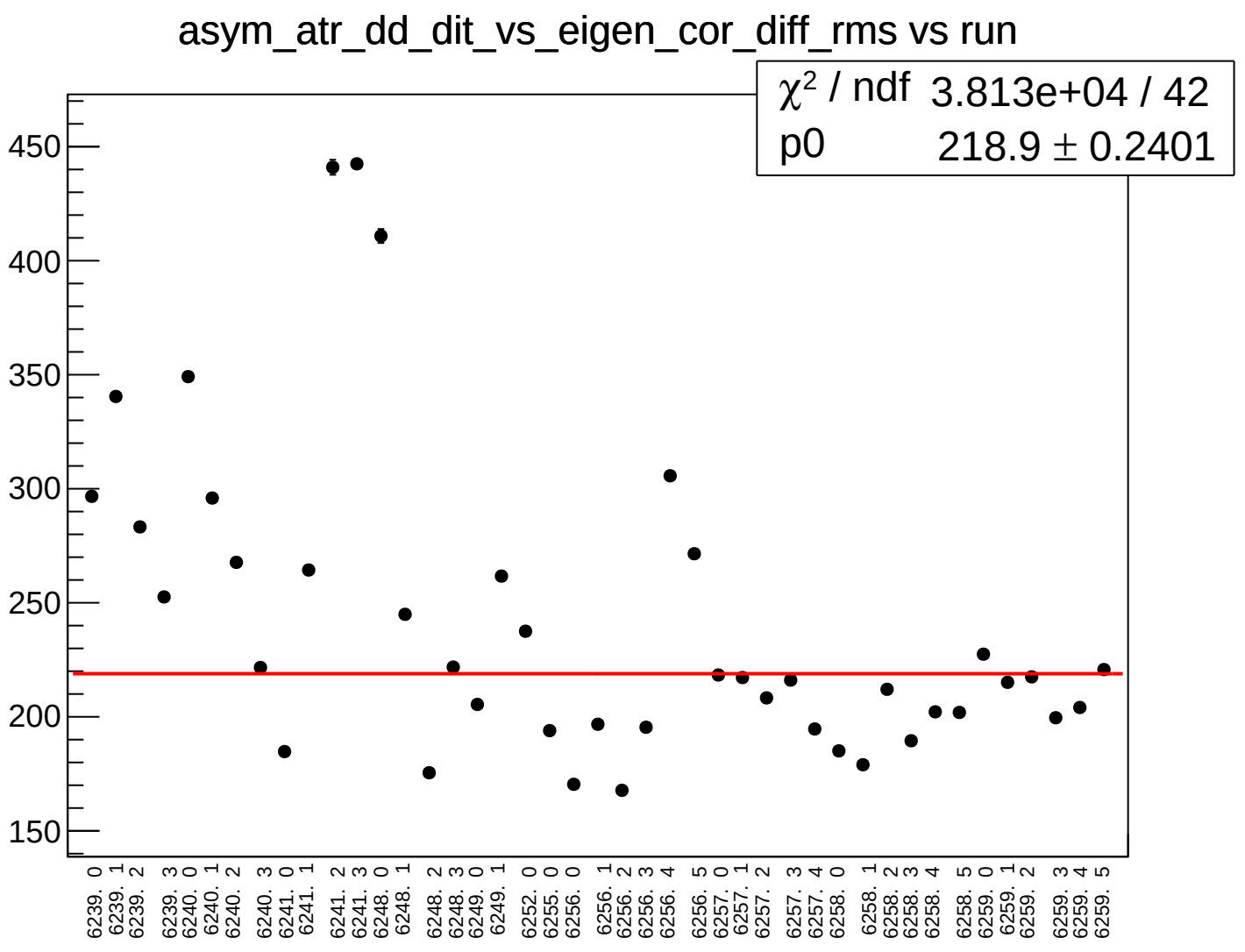

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.813e+04 / 42
p0 218.9 ± 0.2401
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

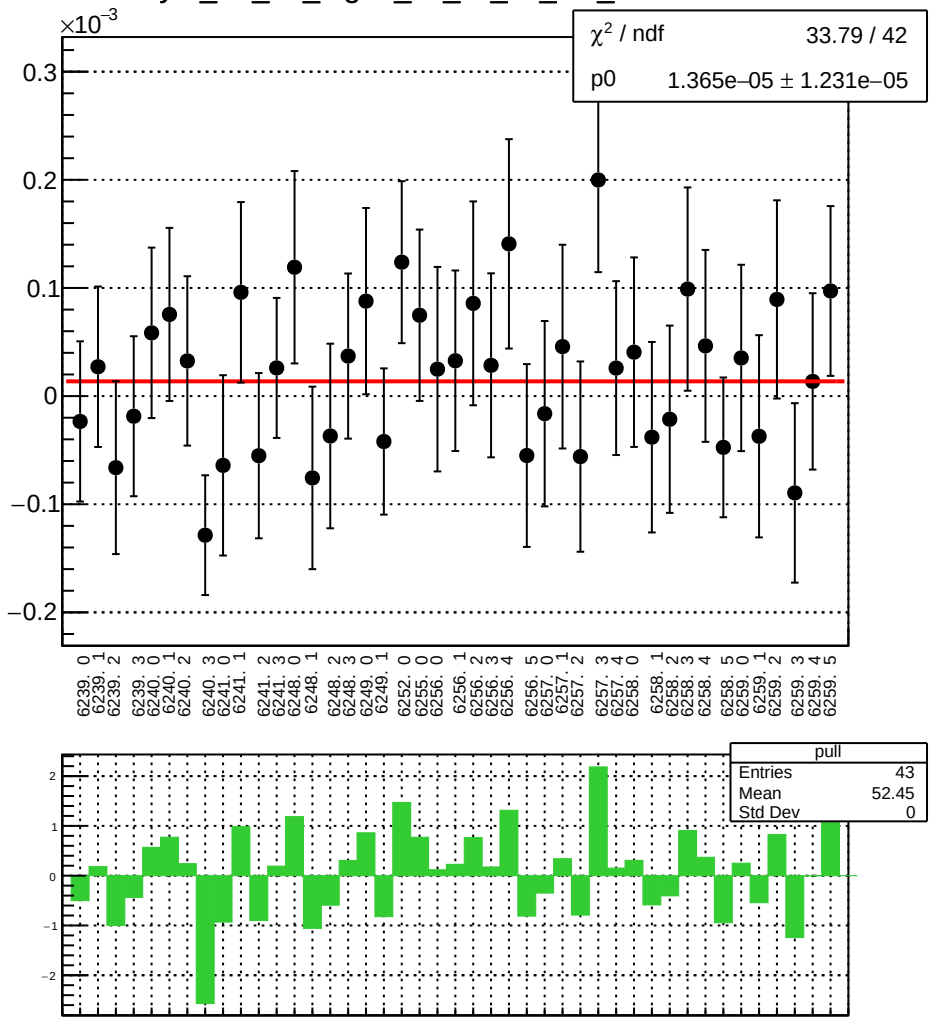
asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run

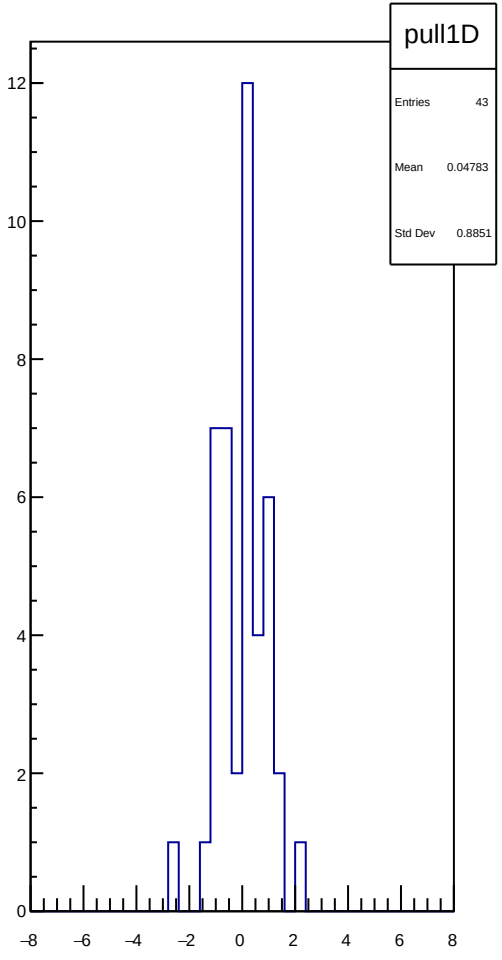


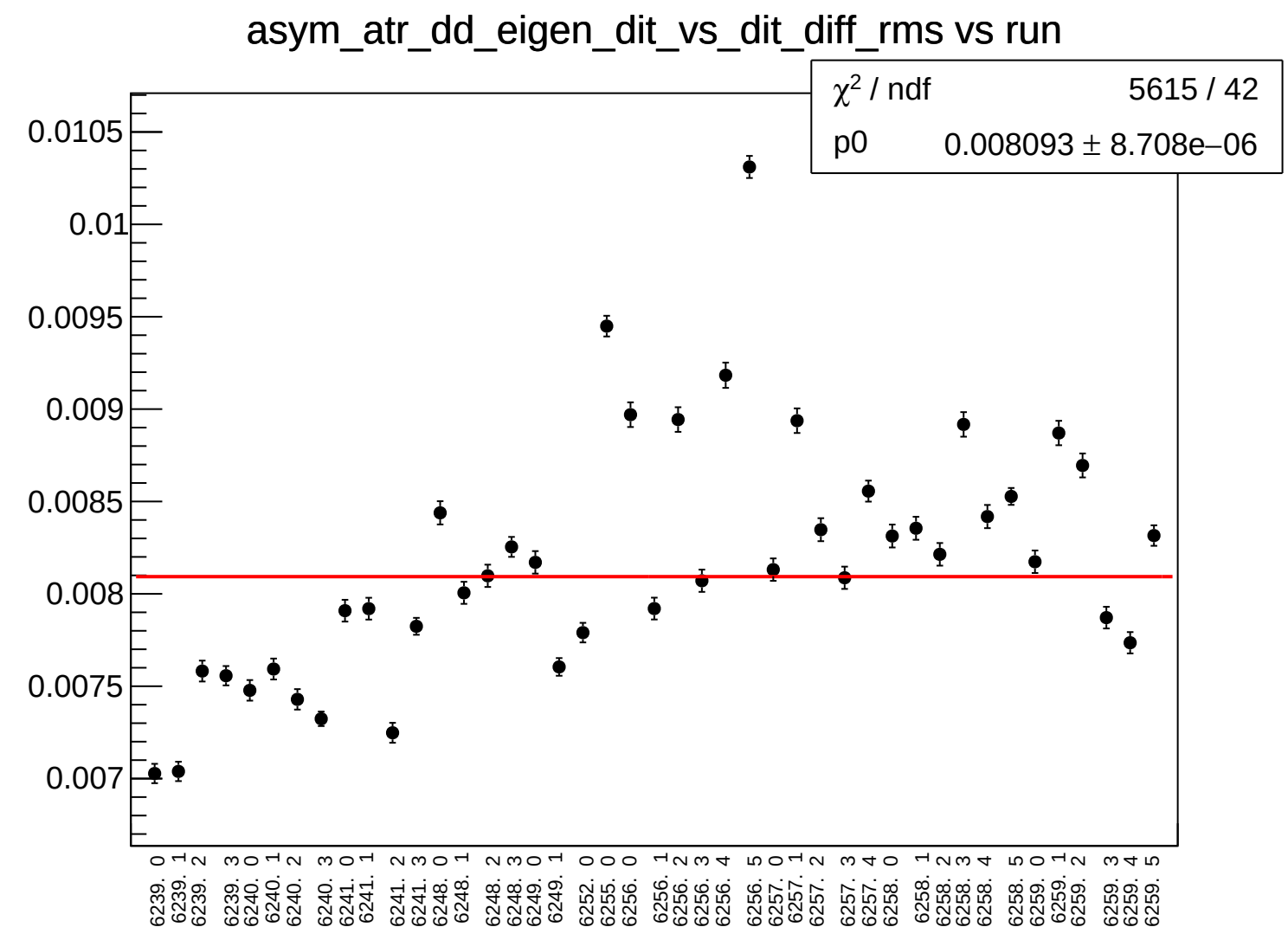



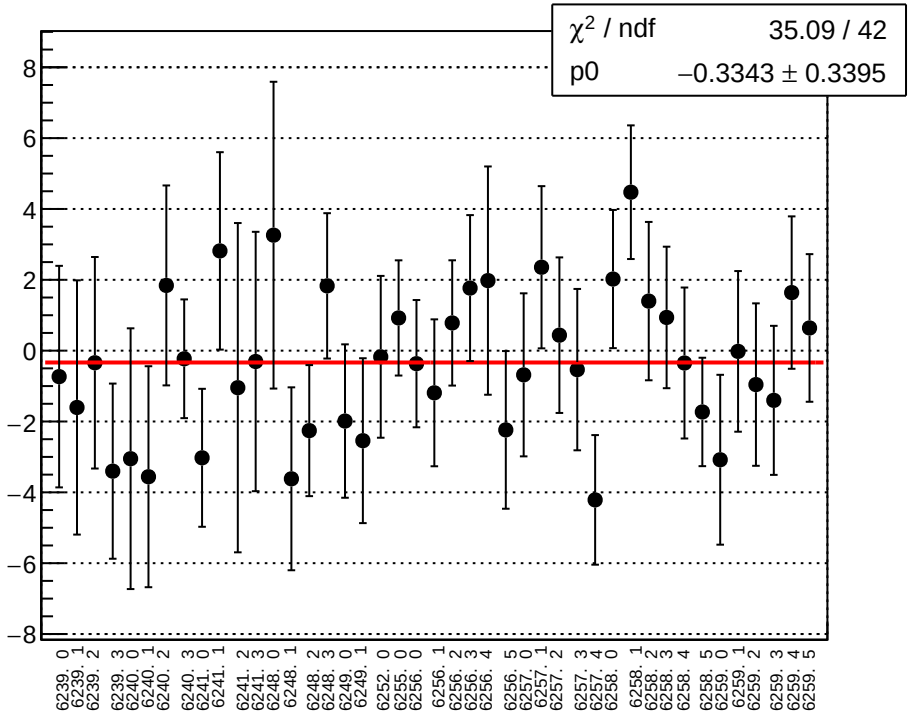

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.813e+04 / 42
p0 218.9 ± 0.2401
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

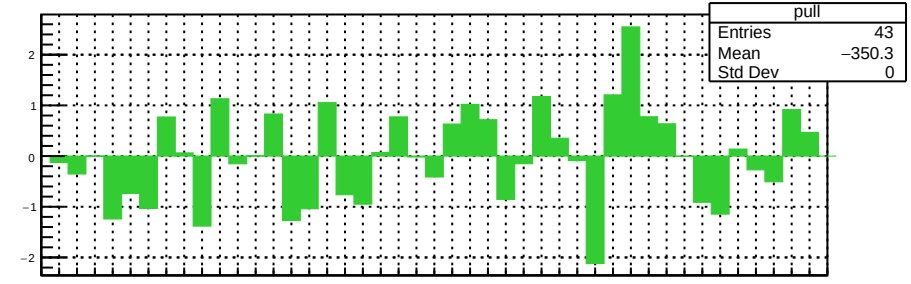

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.79 / 42
p0 1.365e−05 ± 1.231e−05
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.45
Std Dev 0
2
1
0
−1
−2

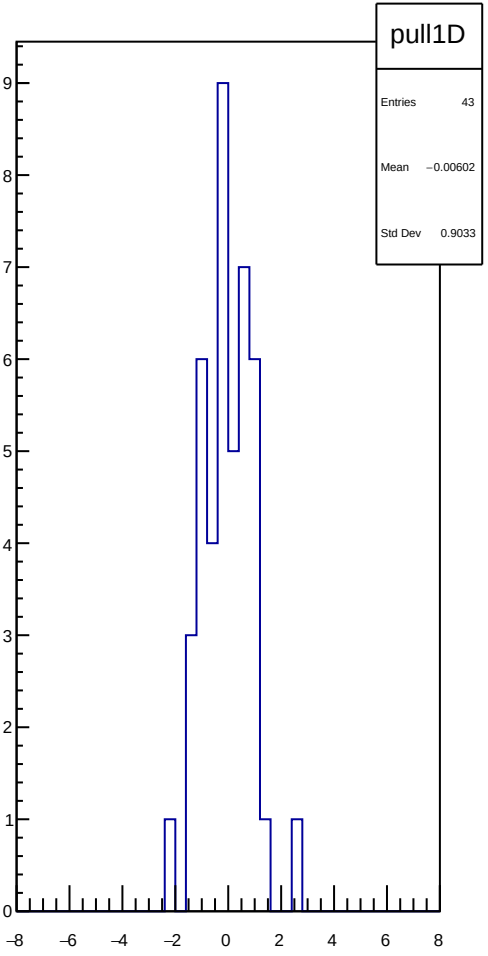

pull1D
Entries 43
Mean 0.04783
Std Dev 0.8851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

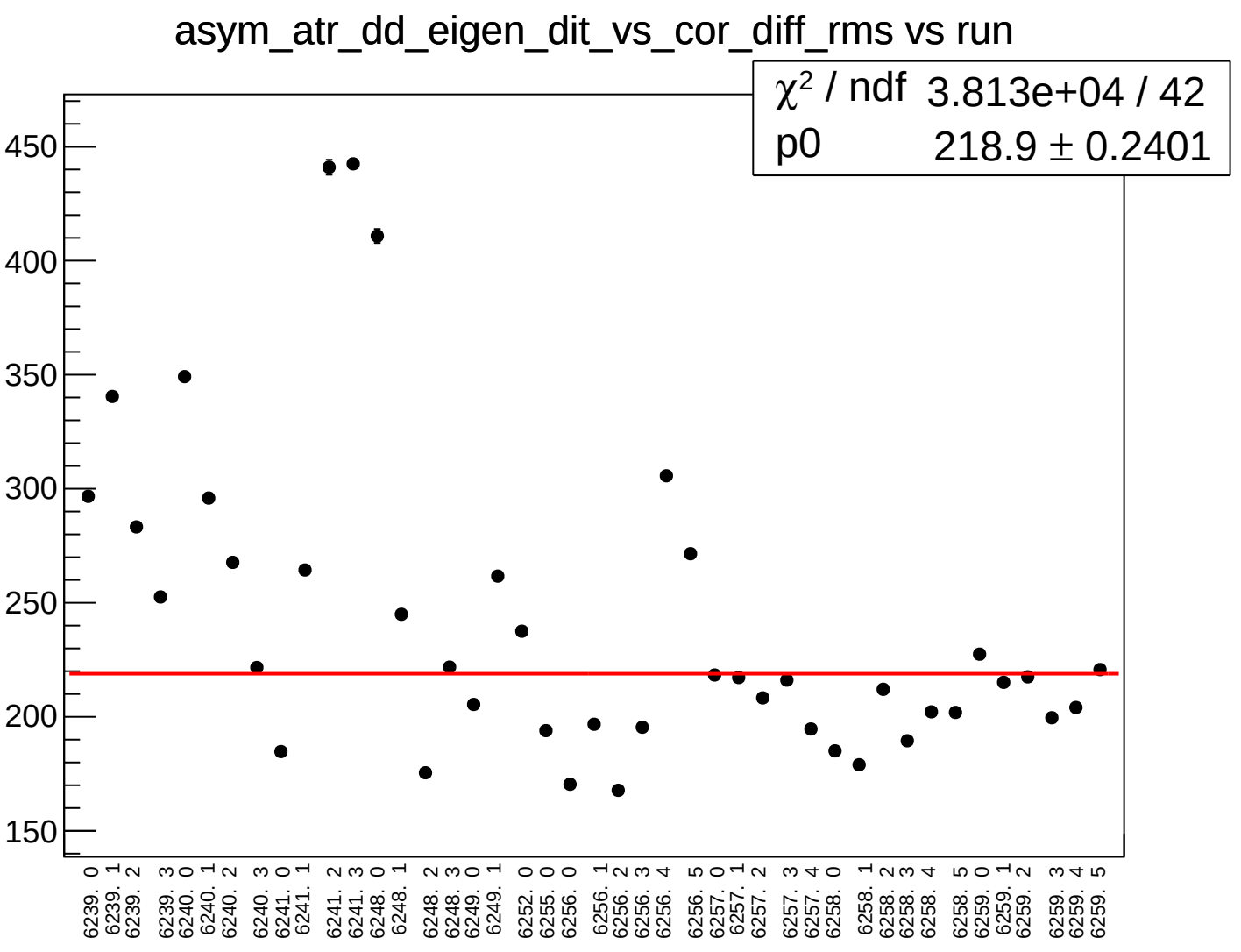

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5615 / 42
p0 0.008093 ± 8.708e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run

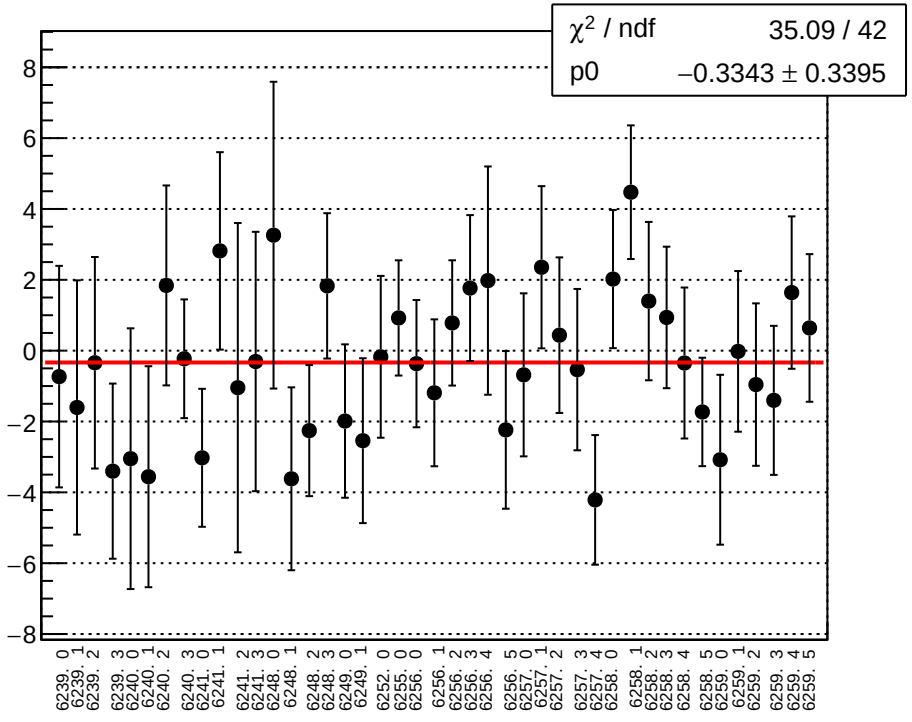


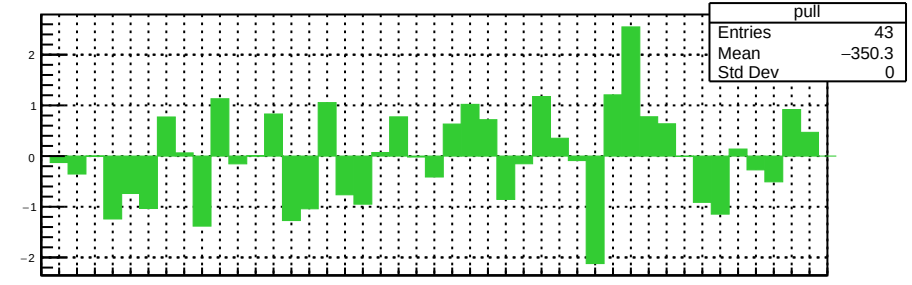



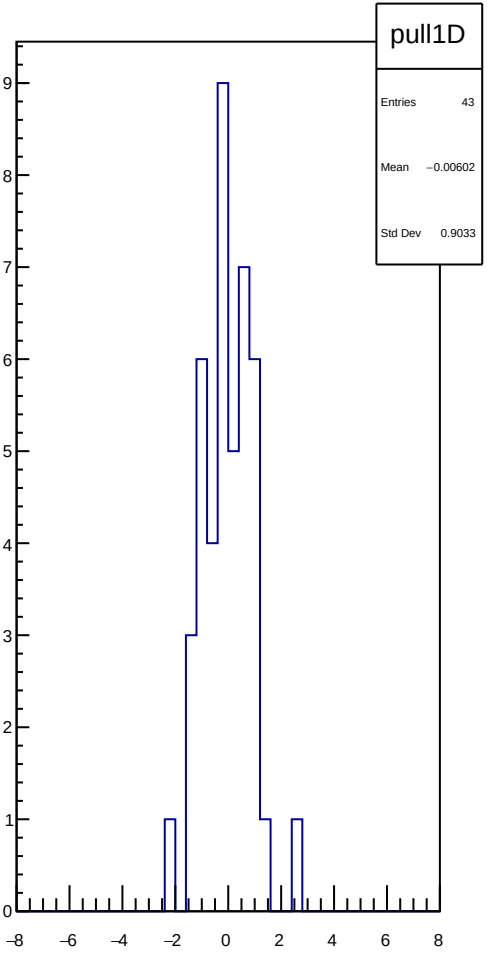



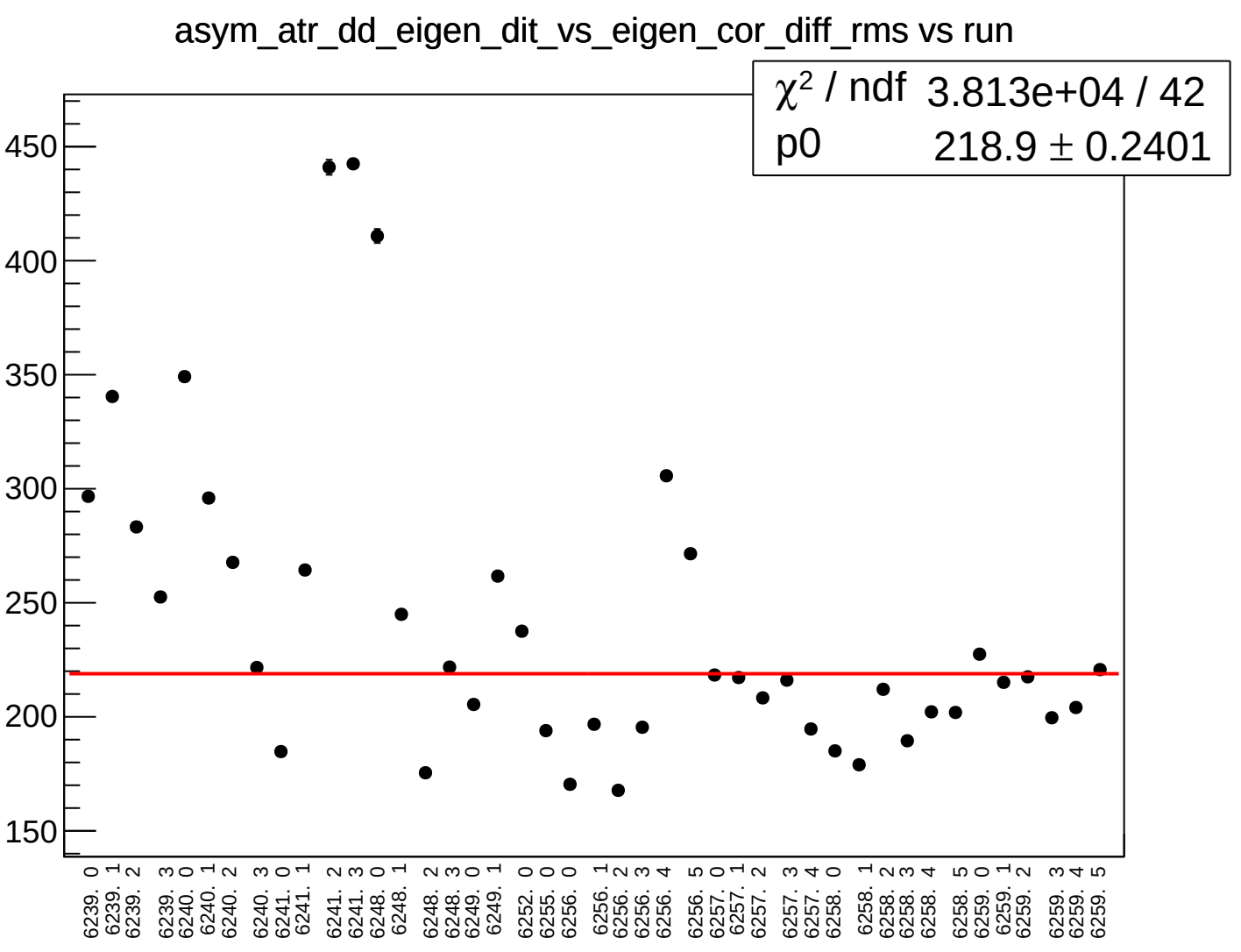

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.813e+04 / 42
p0 218.9 ± 0.2401
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

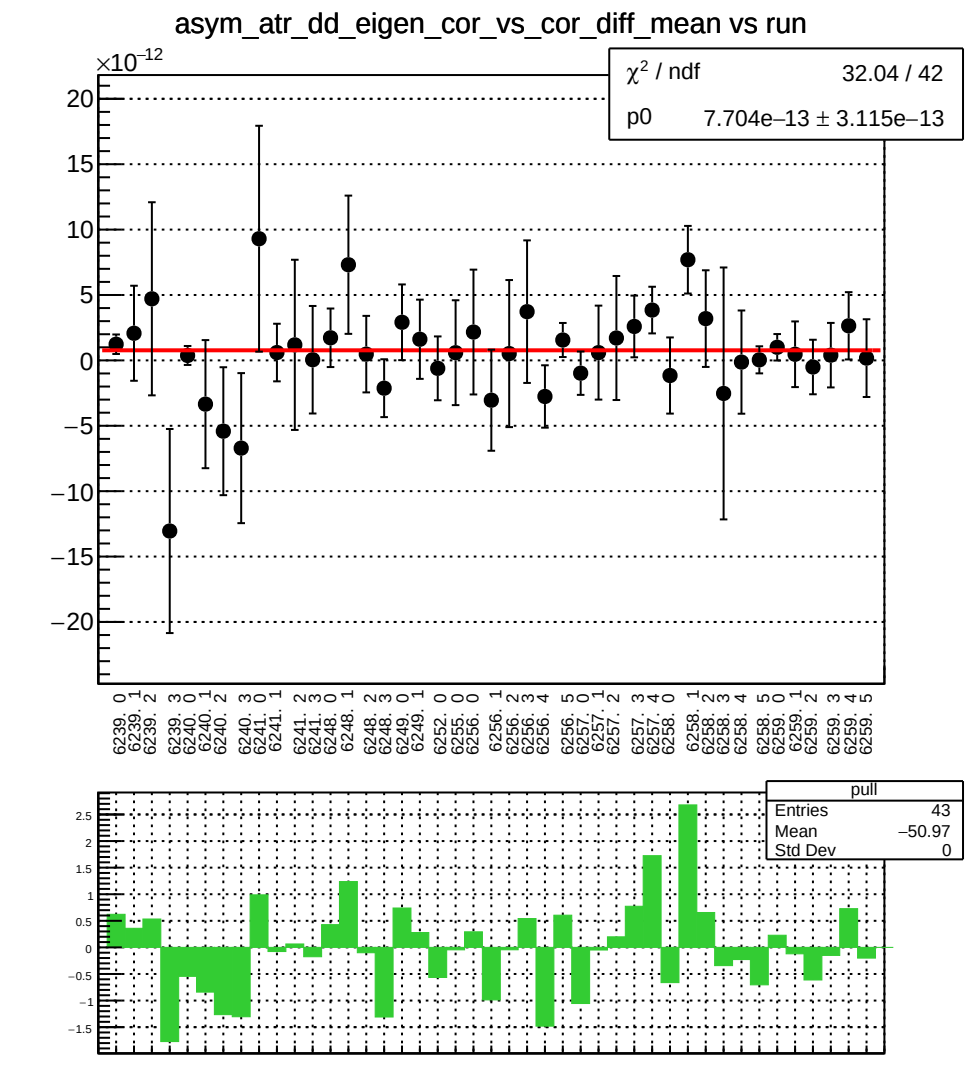
asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

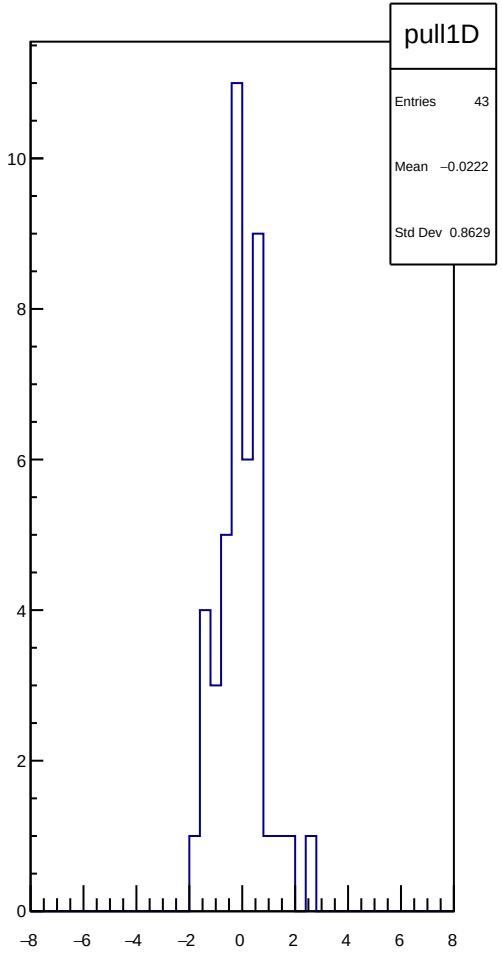


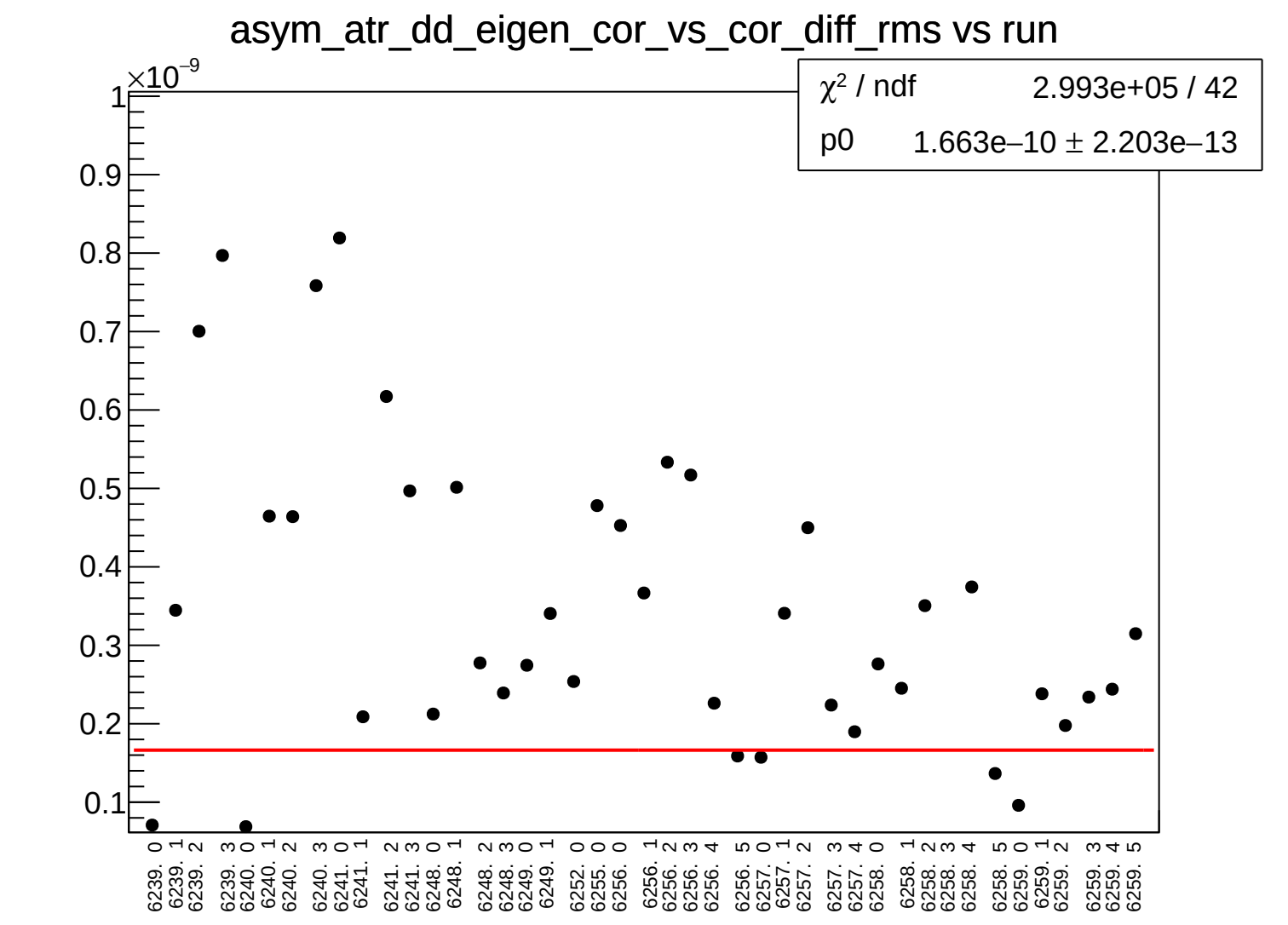



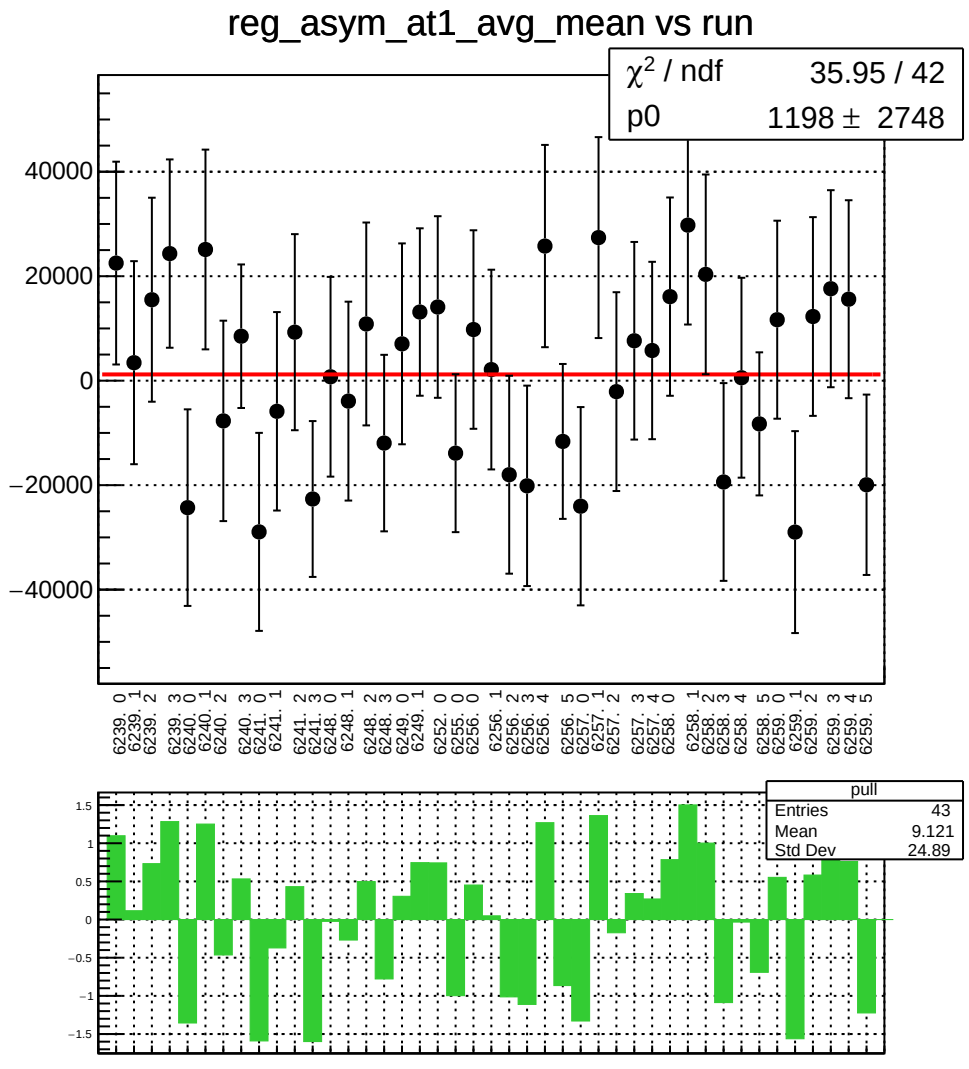



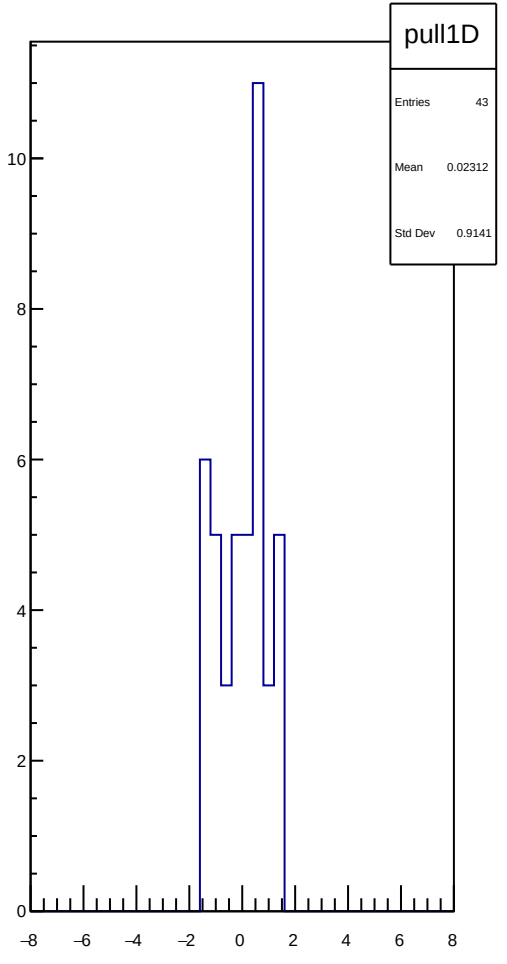

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.813e+04 / 42
p0 218.9 ± 0.2401
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

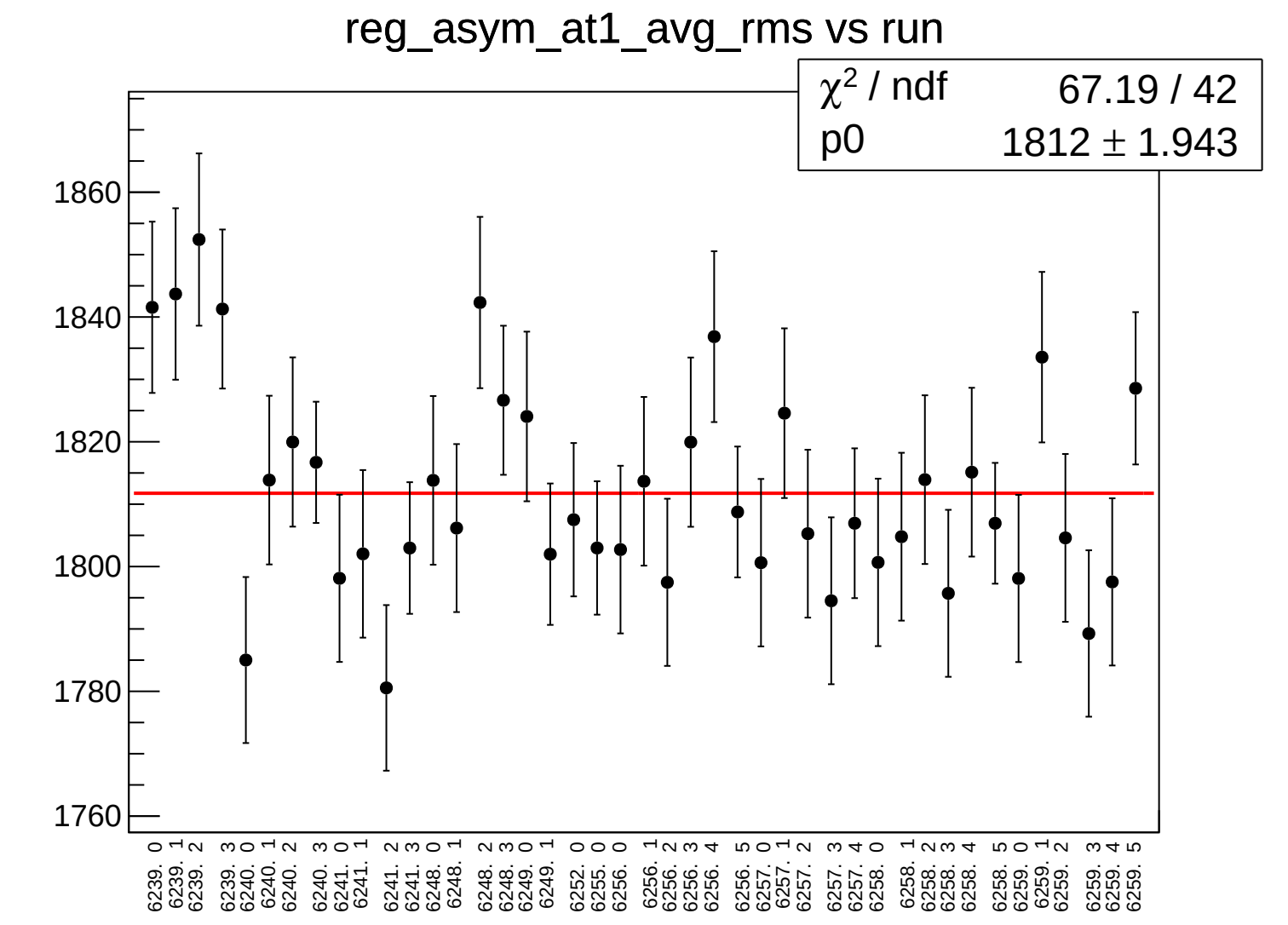

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.04 / 42
p0 7.704e−13 ± 3.115e−13
pull
Entries 43
Mean −50.97
Std Dev 0

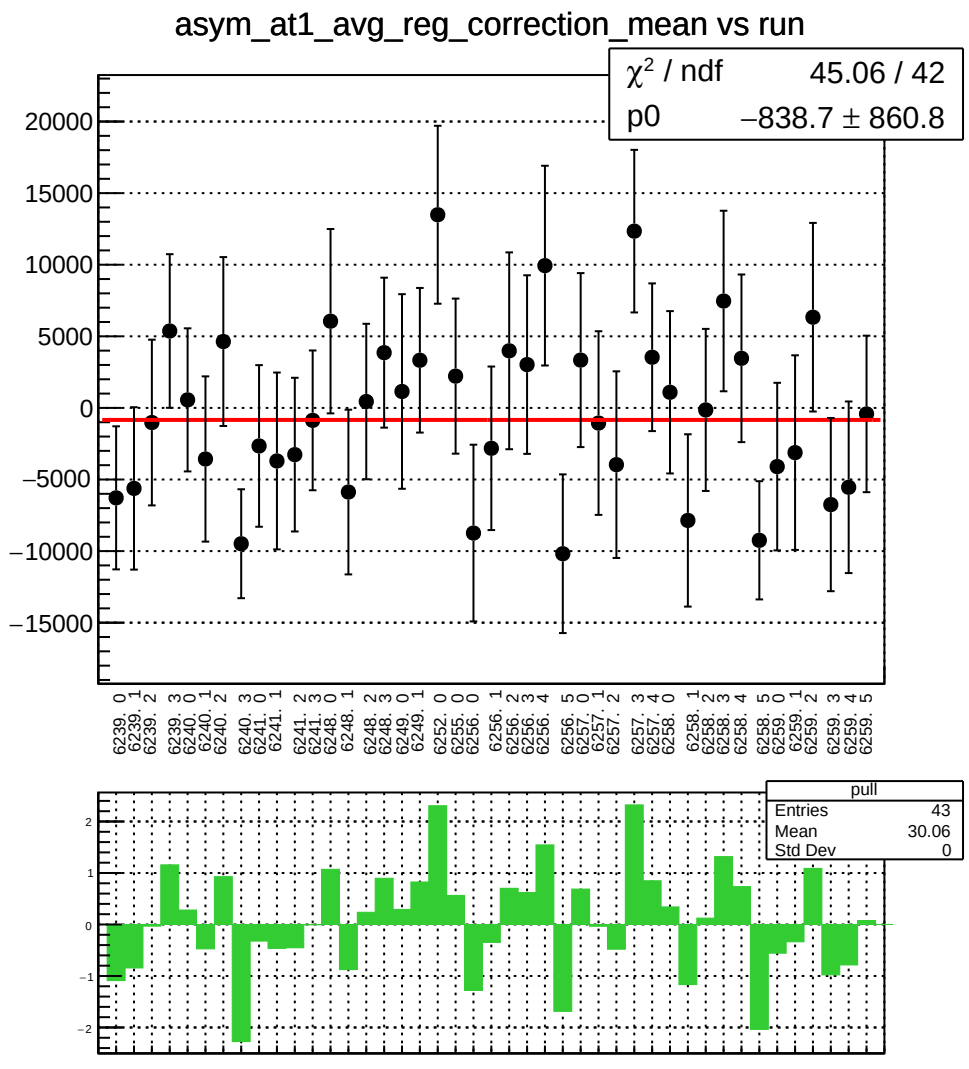

pull1D
Entries 43
Mean −0.0222
Std Dev 0.8629

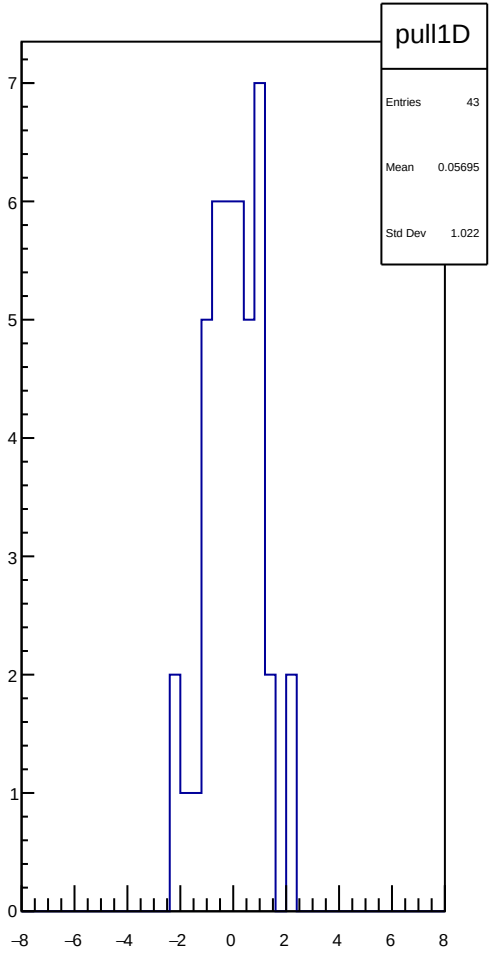

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.993e+05 / 42
p0 1.663e−10 ± 2.203e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

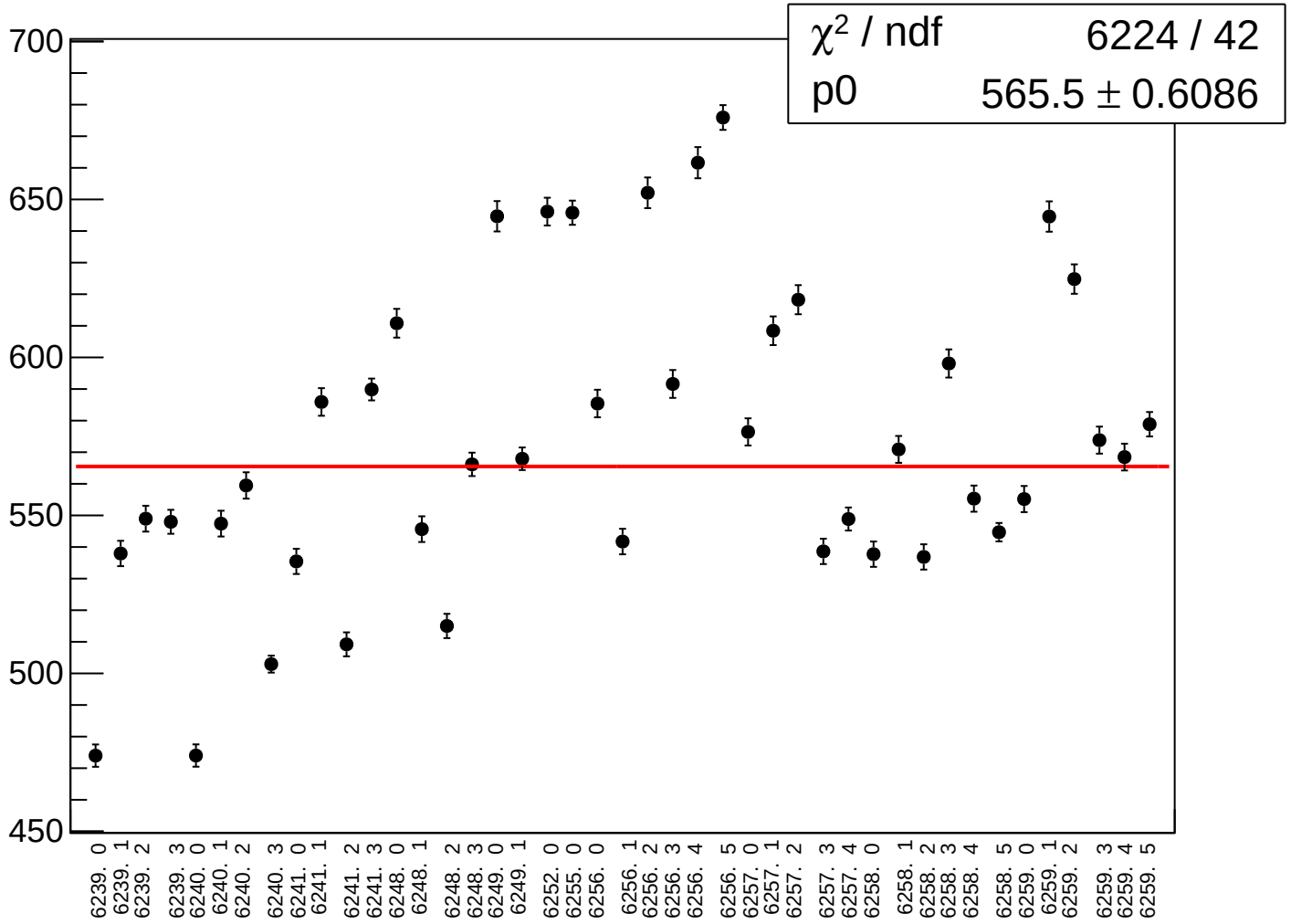

reg_asym_at1_avg_mean vs run
χ² / ndf 35.95 / 42
p0 1198 ± 2748
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.121
Std Dev 24.89
1.5
1
0.5
0
−0.5
−1
−1.5

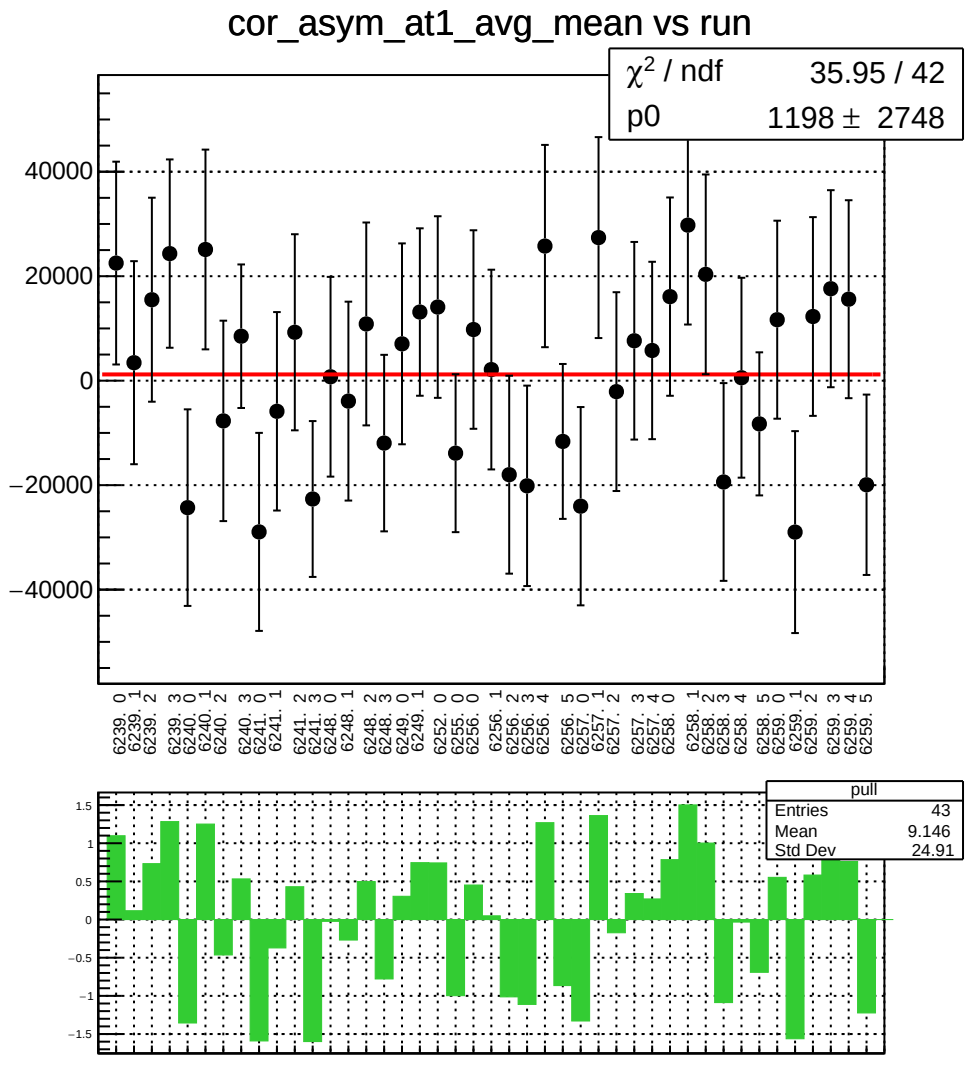

pull1D
Entries 43
Mean 0.02312
Std Dev 0.9141
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

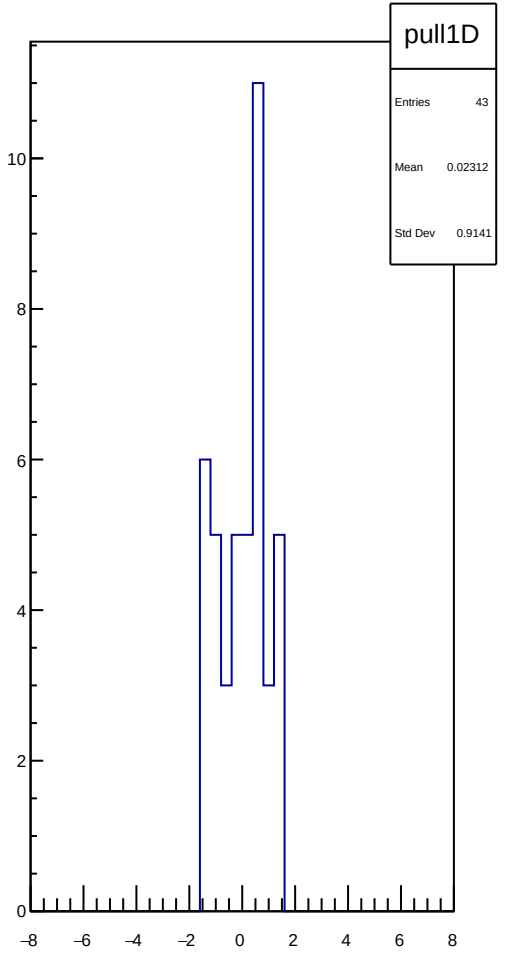

reg_asym_at1_avg_rms vs run
χ² / ndf 67.19 / 42
p0 1812 ± 1.943
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

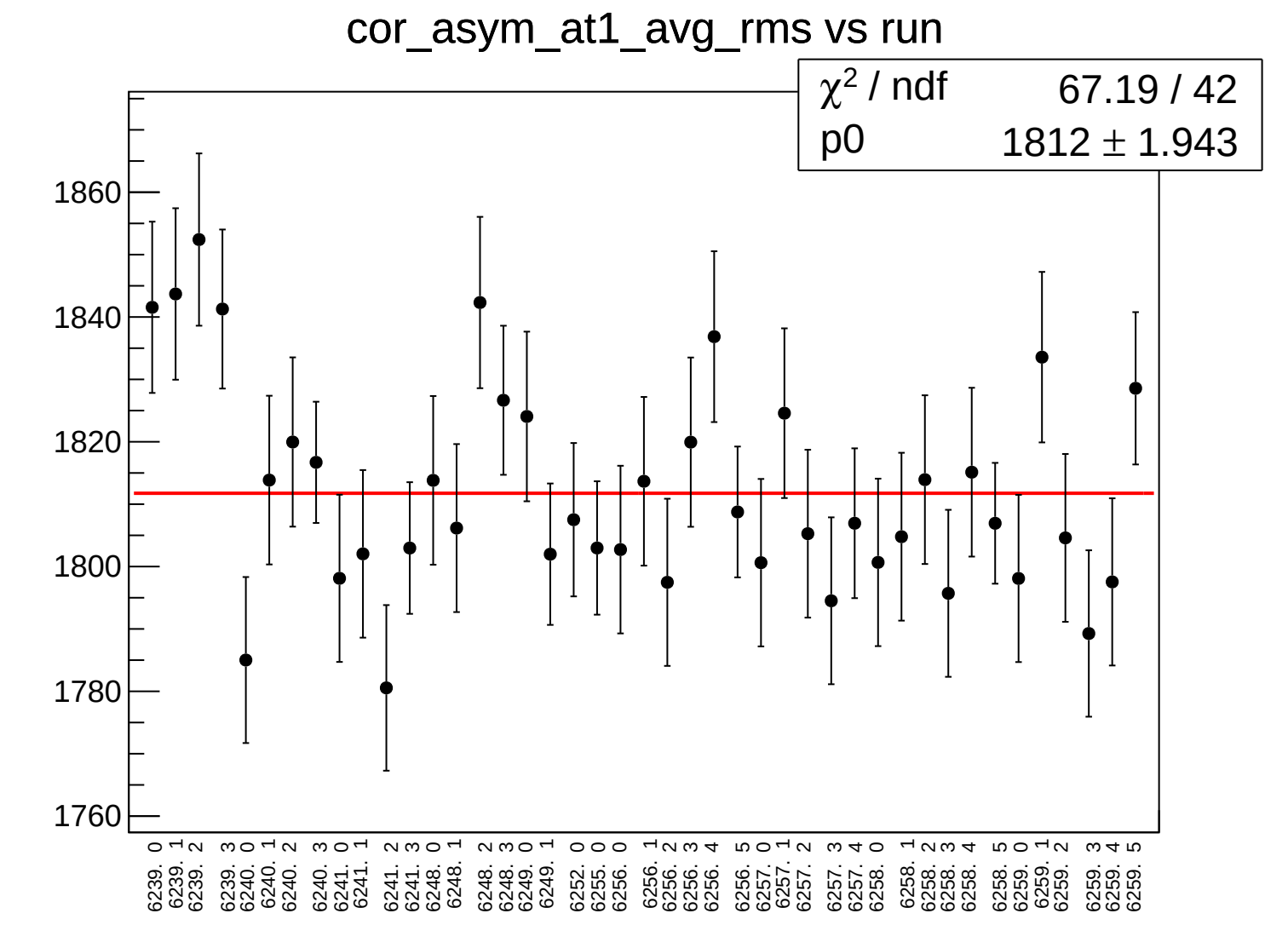

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 45.06 / 42
p0 −838.7 ± 860.8
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 30.06
Std Dev 0
2
1
0
−1
−2

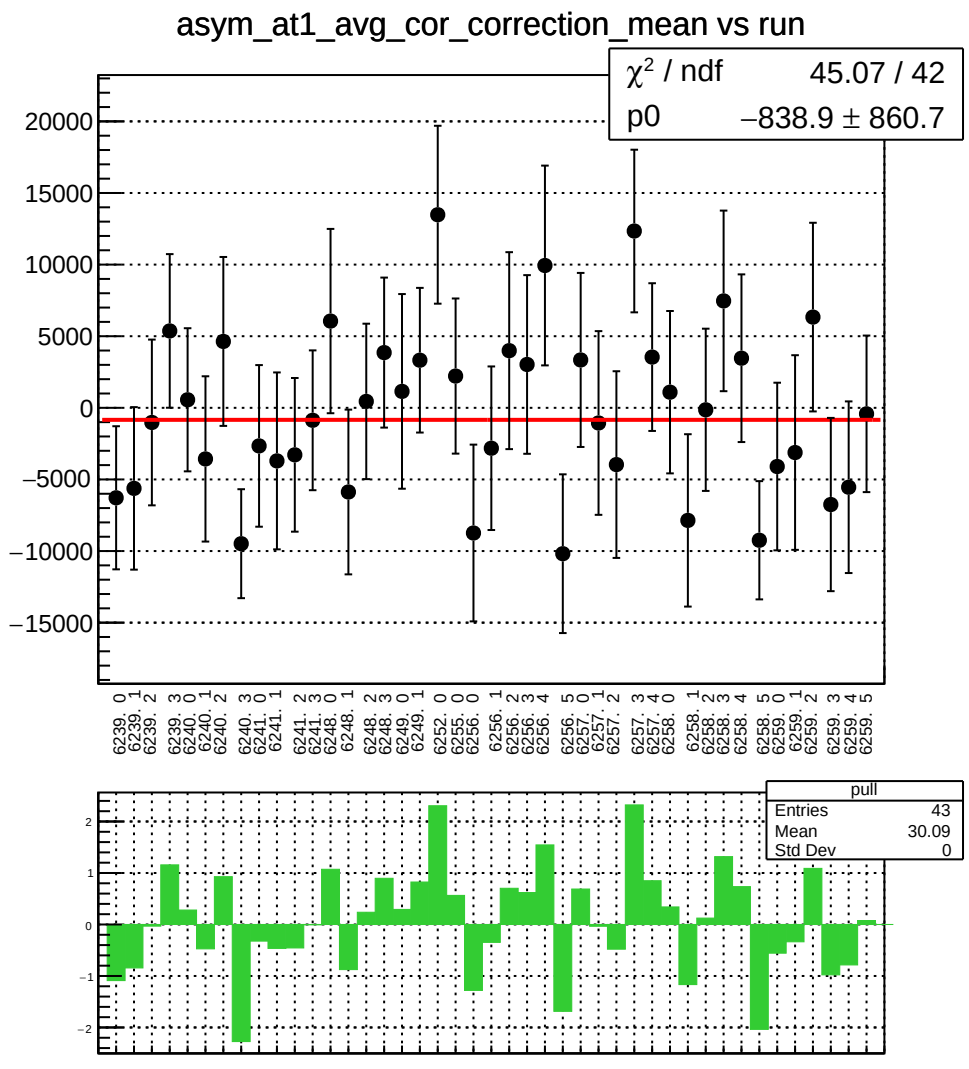

pull1D
Entries 43
Mean 0.05695
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

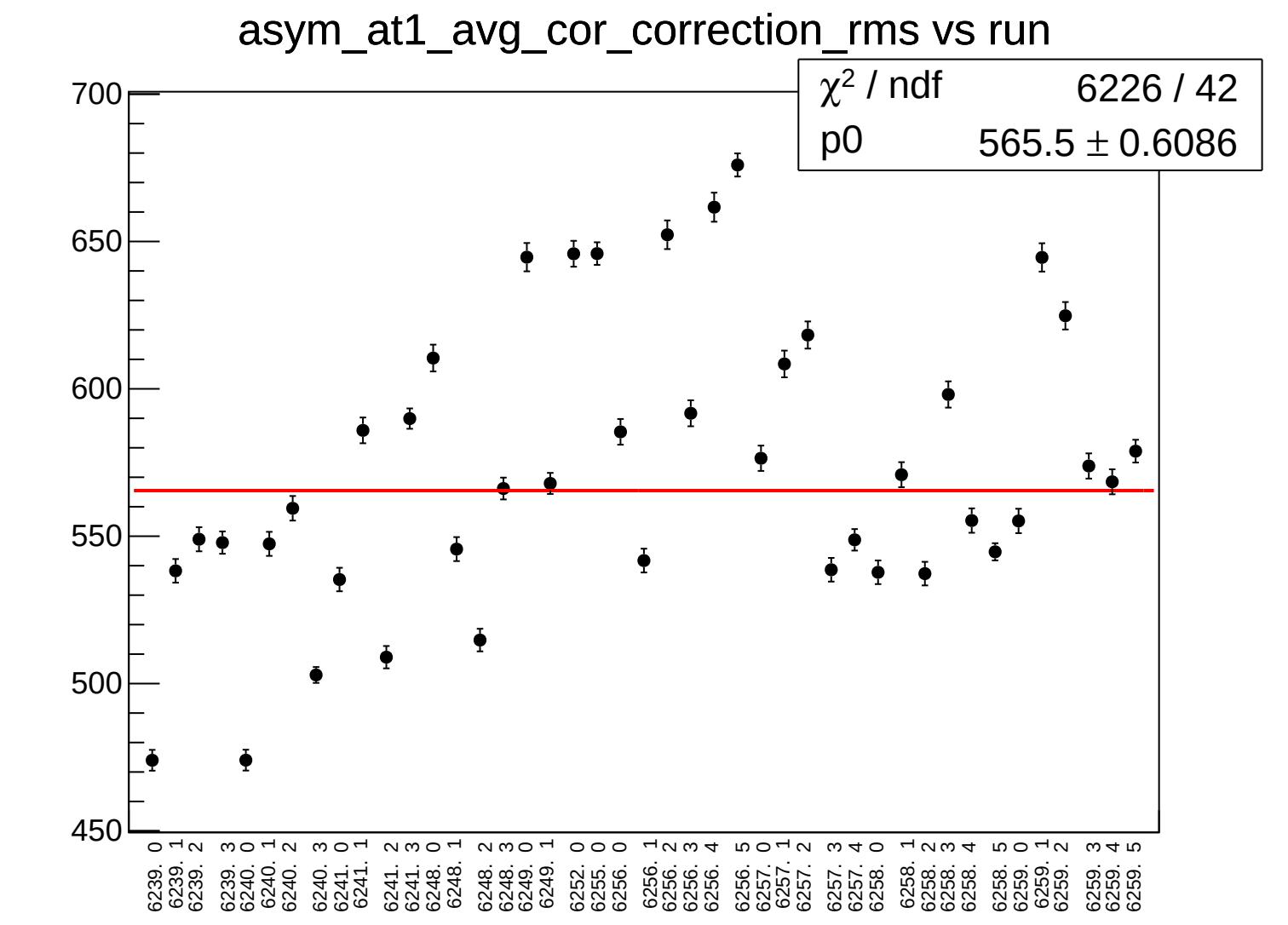

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 6224 / 42
p0 565.5 ± 0.6086
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

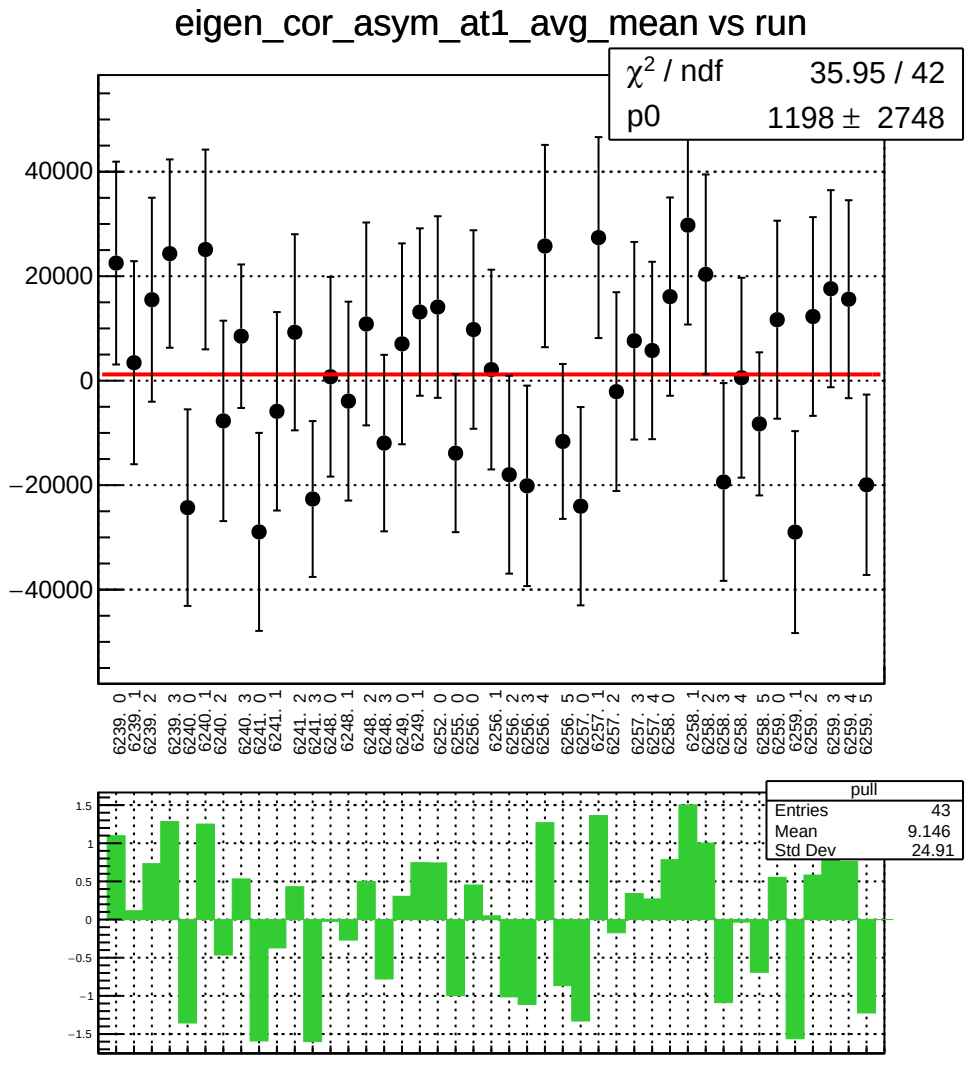

cor_asym_at1_avg_mean vs run
χ² / ndf 35.95 / 42
p0 1198 ± 2748
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.146
Std Dev 24.91
1.5
1
0.5
0
−0.5
−1
−1.5

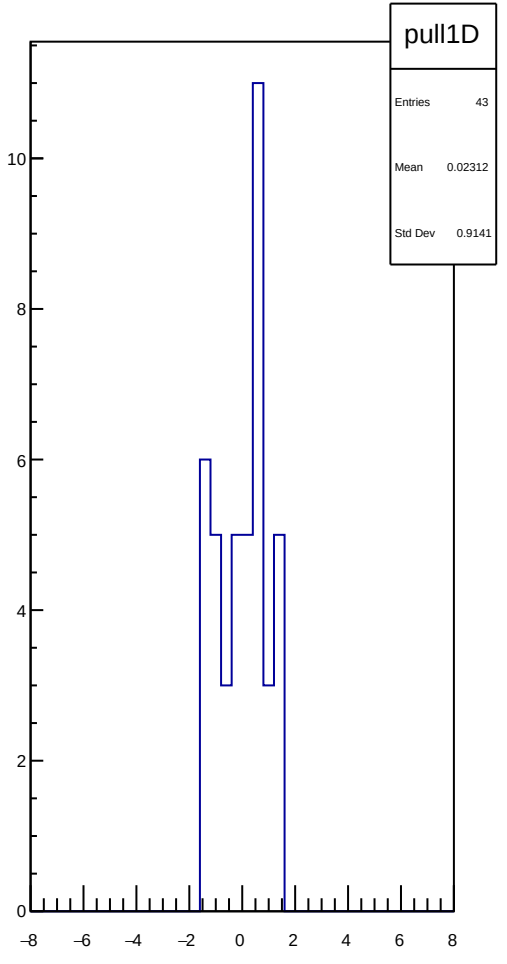

pull1D
Entries 43
Mean 0.02312
Std Dev 0.9141
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

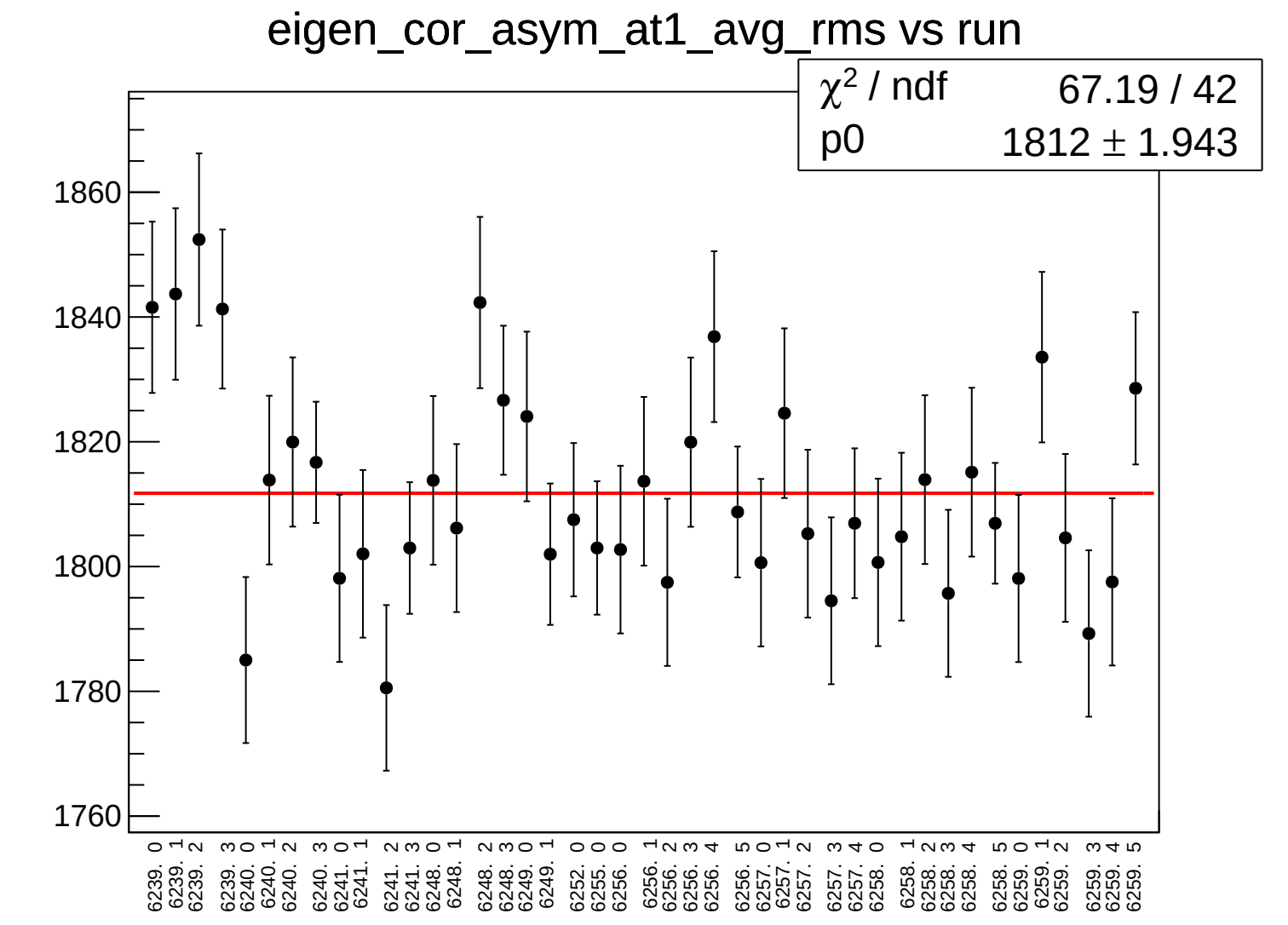

cor_asym_at1_avg_rms vs run
χ² / ndf 67.19 / 42
p0 1812 ± 1.943
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

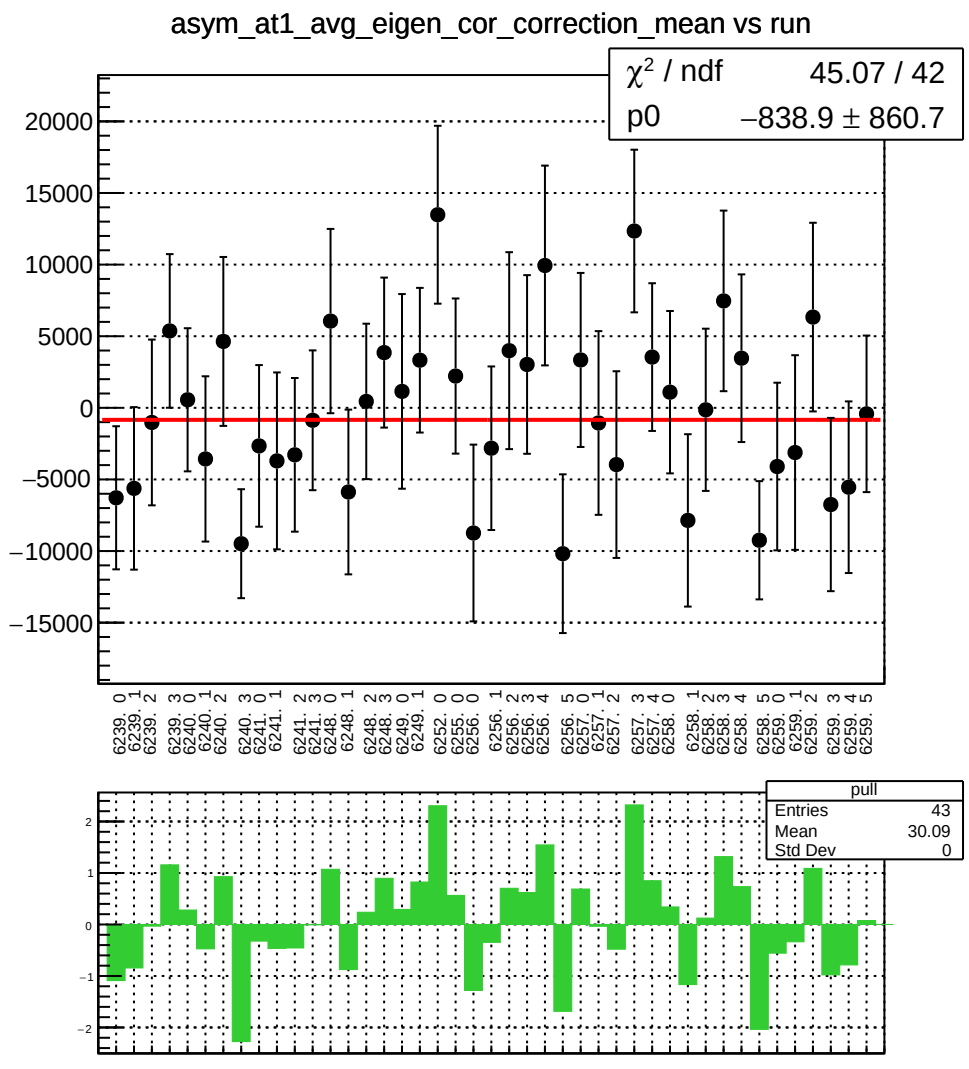

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 45.07 / 42
p0 −838.9 ± 860.7
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 30.09
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05692
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

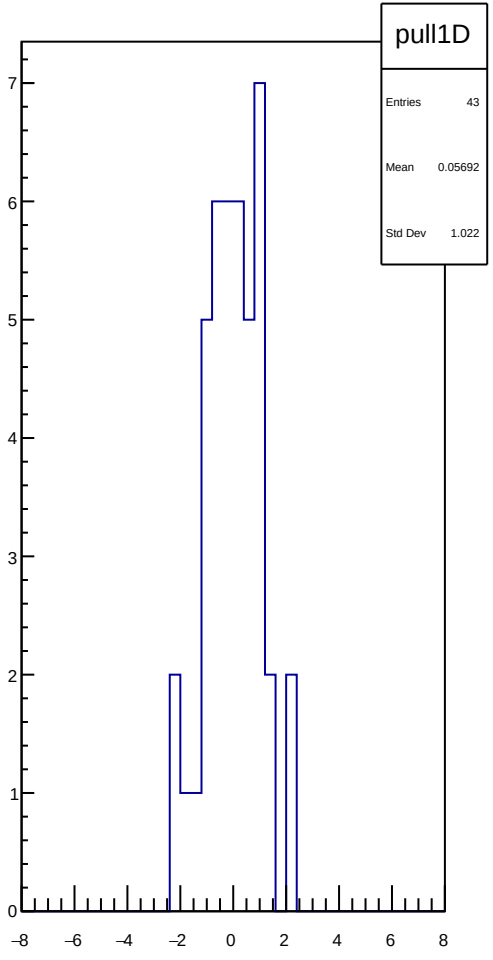

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 6226 / 42
p0 565.5 ± 0.6086
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

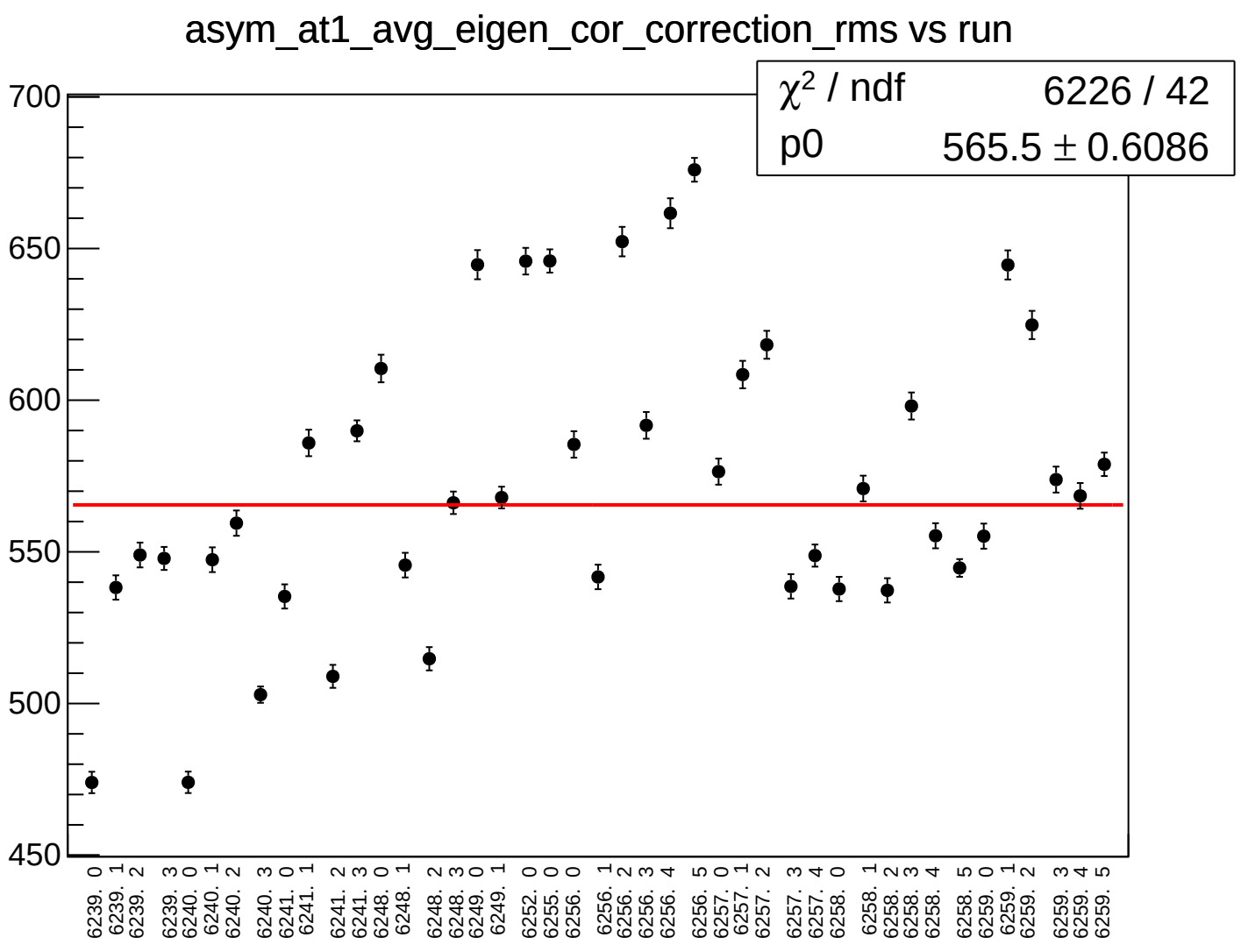

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 35.95 / 42
p0 1198 ± 2748
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.146
Std Dev 24.91
1.5
1
0.5
0
−0.5
−1
−1.5

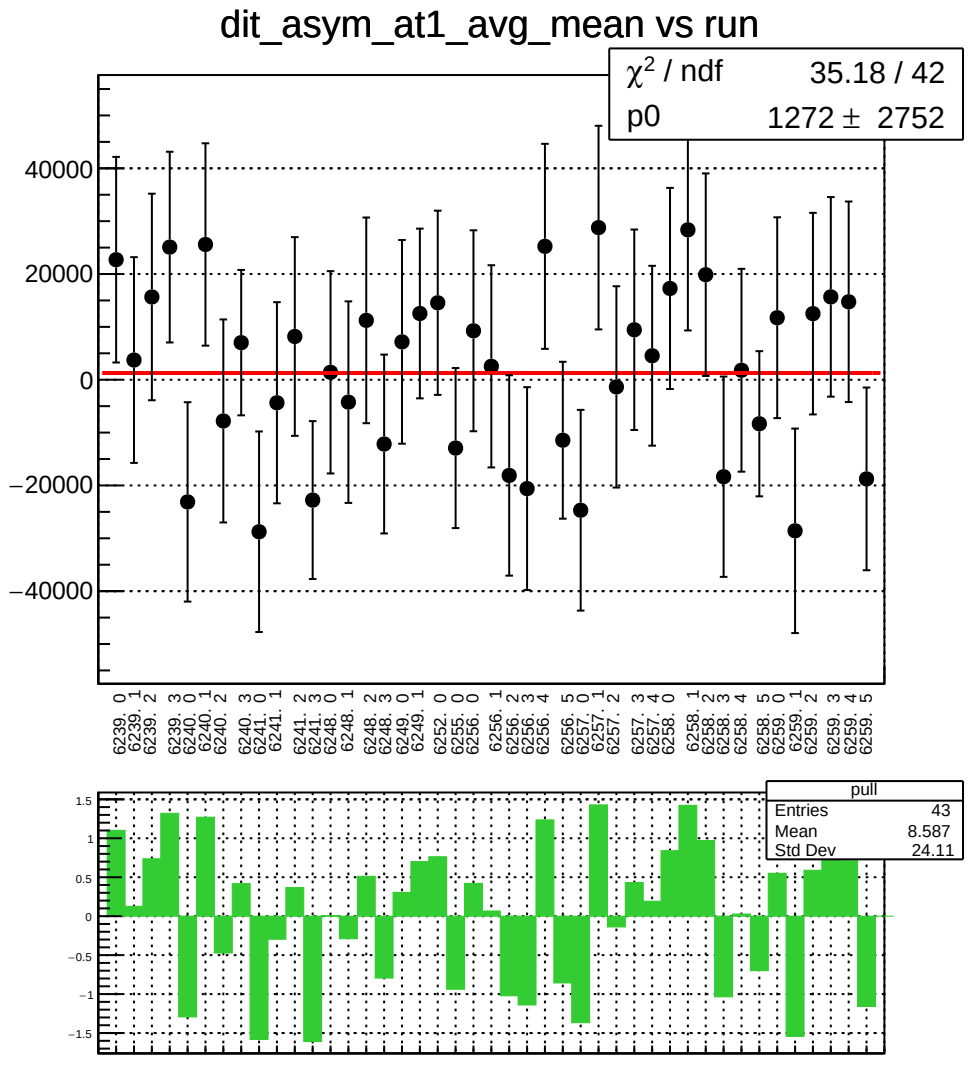

pull1D
Entries 43
Mean 0.02312
Std Dev 0.9141
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

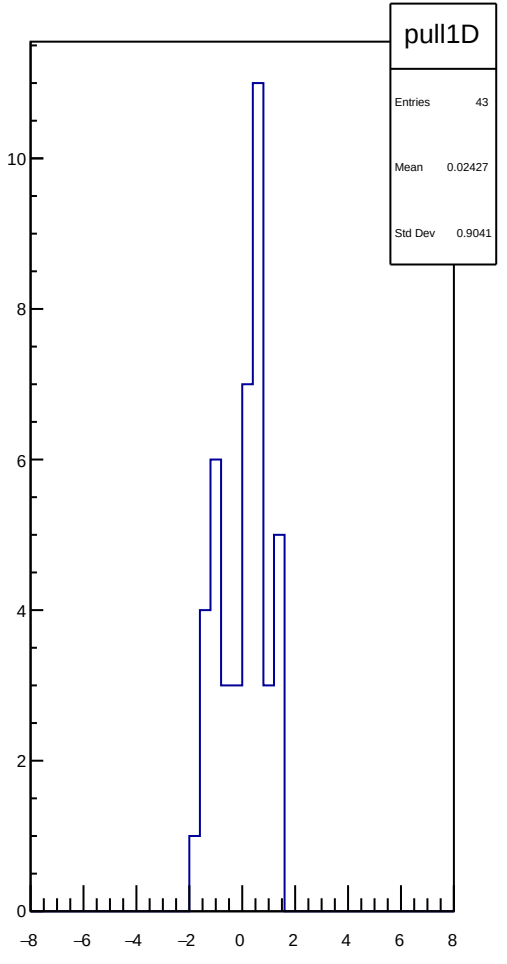

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 67.19 / 42
p0 1812 ± 1.943
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

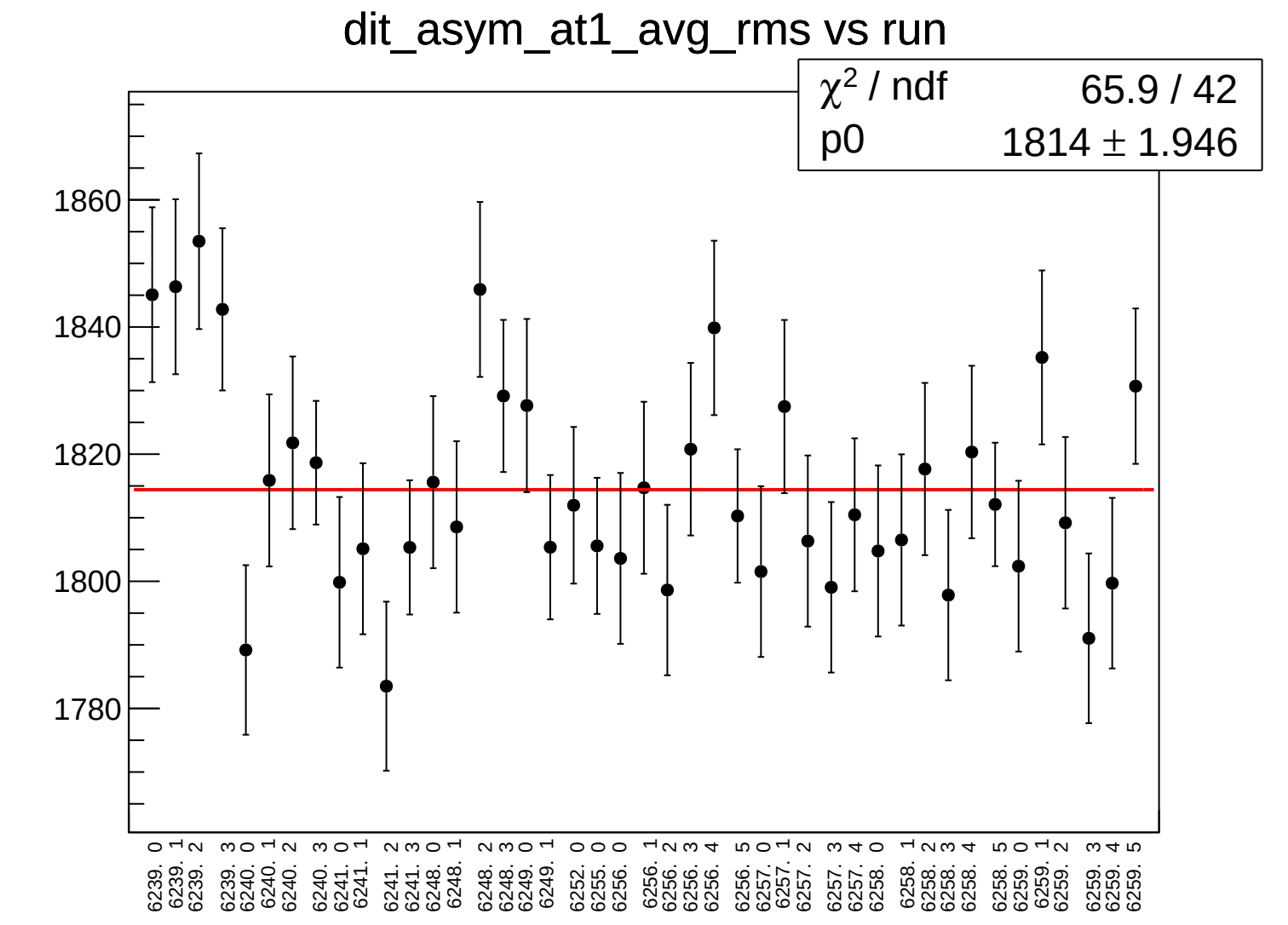

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 45.07 / 42
p0 −838.9 ± 860.7
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 30.09
Std Dev 0
2
1
0
−1
−2

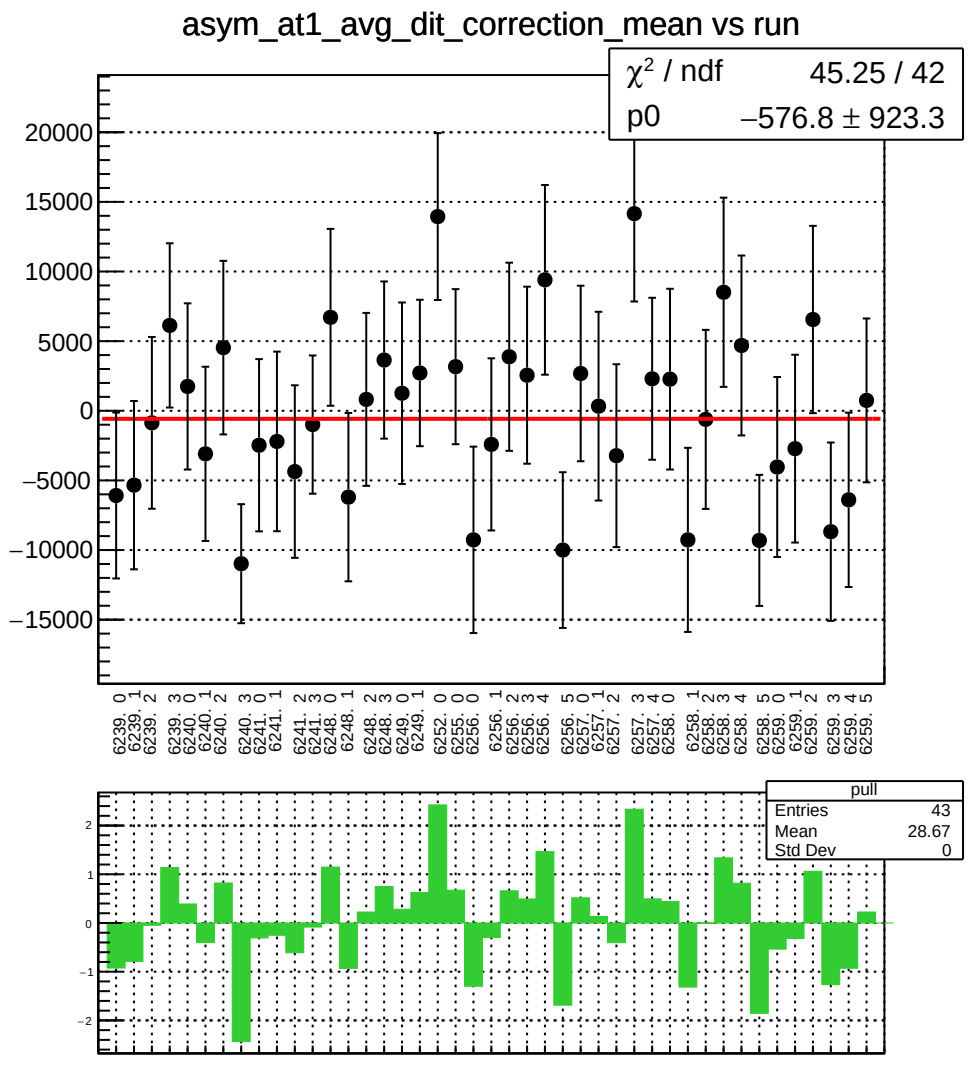

pull1D
Entries 43
Mean 0.05692
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

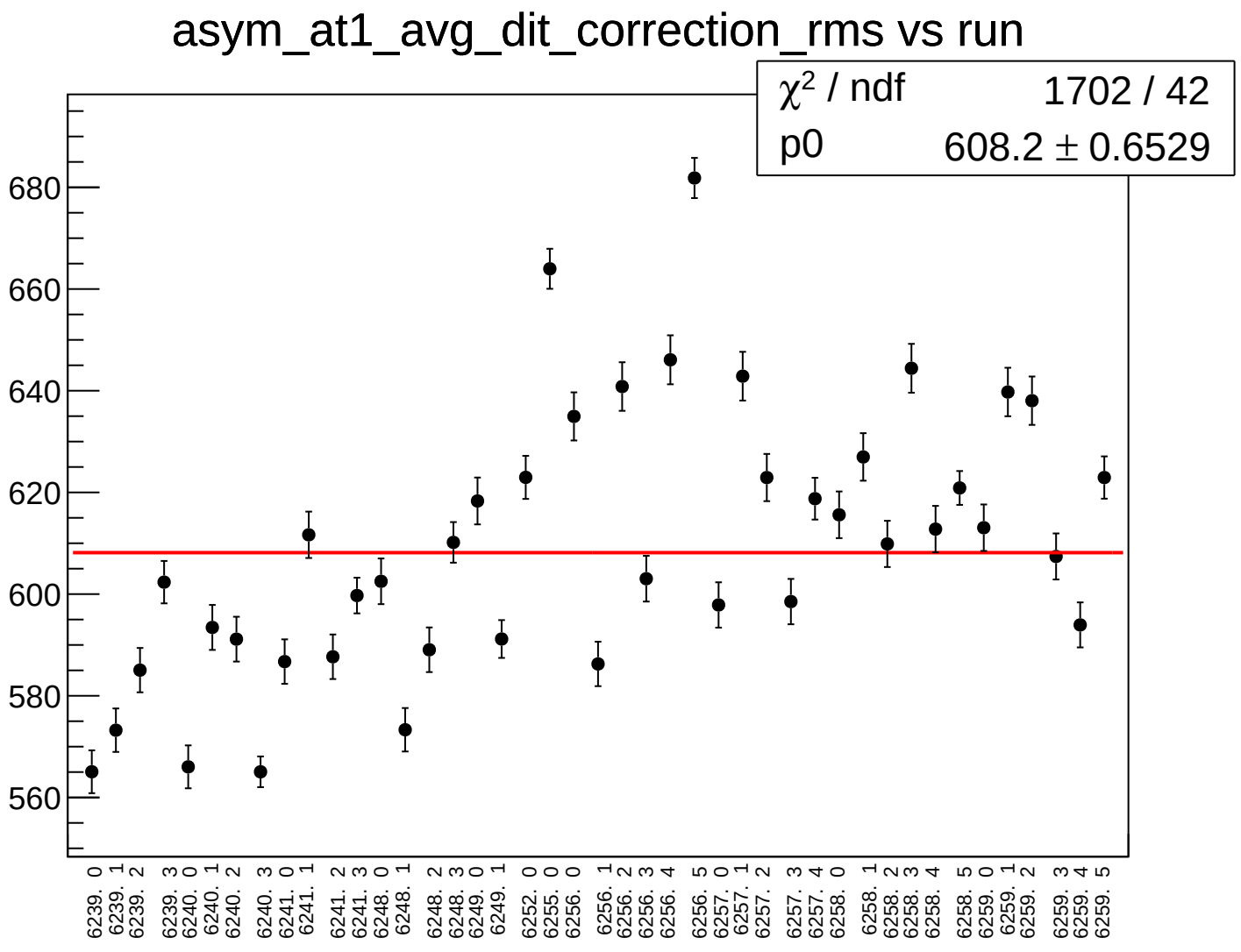

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 6226 / 42
p0 565.5 ± 0.6086
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

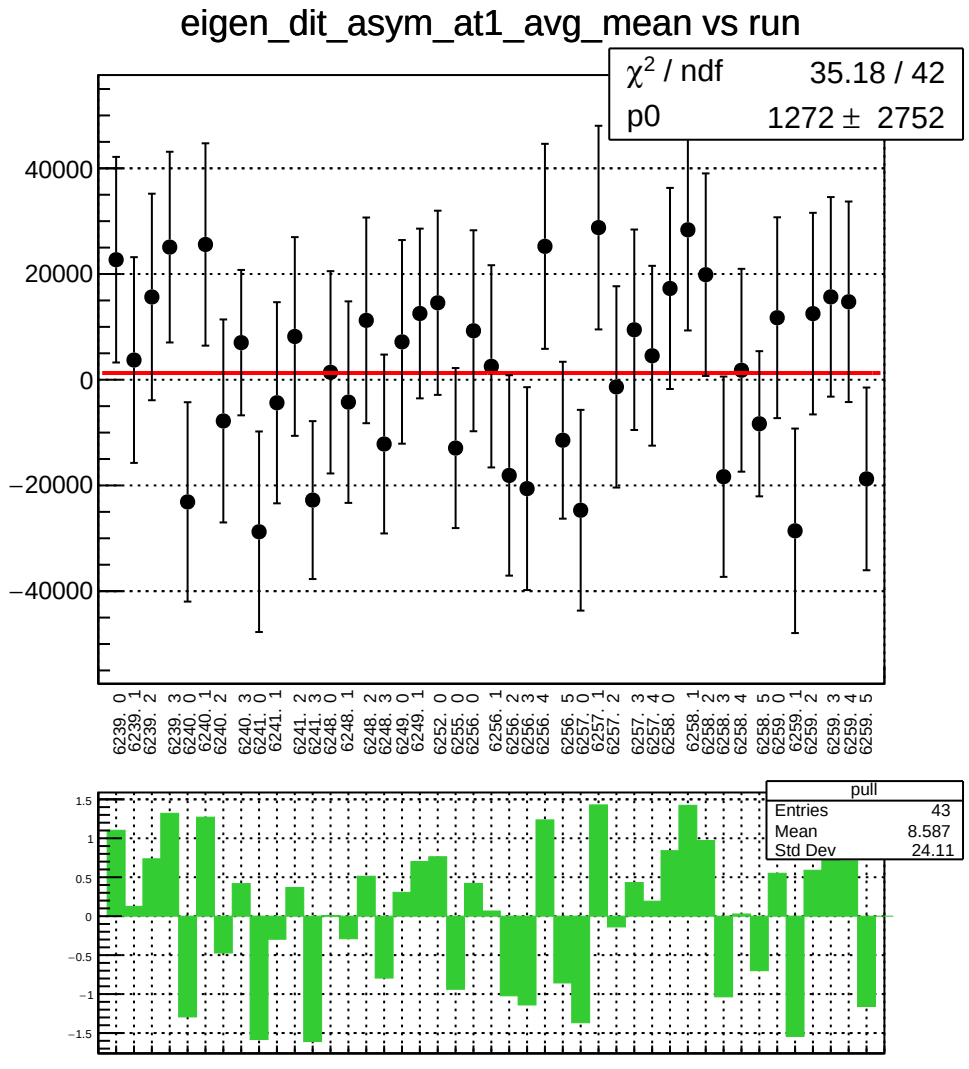

dit_asym_at1_avg_mean vs run
χ² / ndf 35.18 / 42
p0 1272 ± 2752
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.587
Std Dev 24.11
1.5
1
0.5
0
−0.5
−1
−1.5

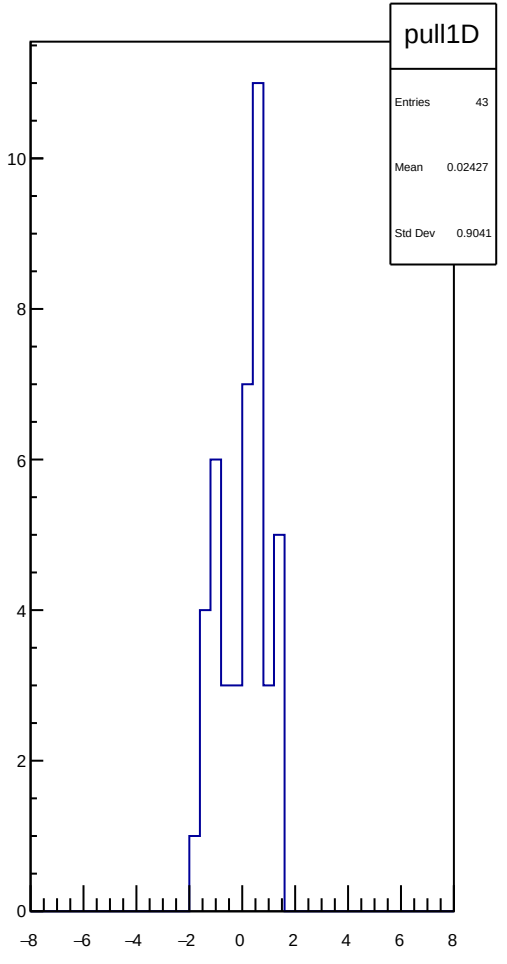

pull1D
Entries 43
Mean 0.02427
Std Dev 0.9041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

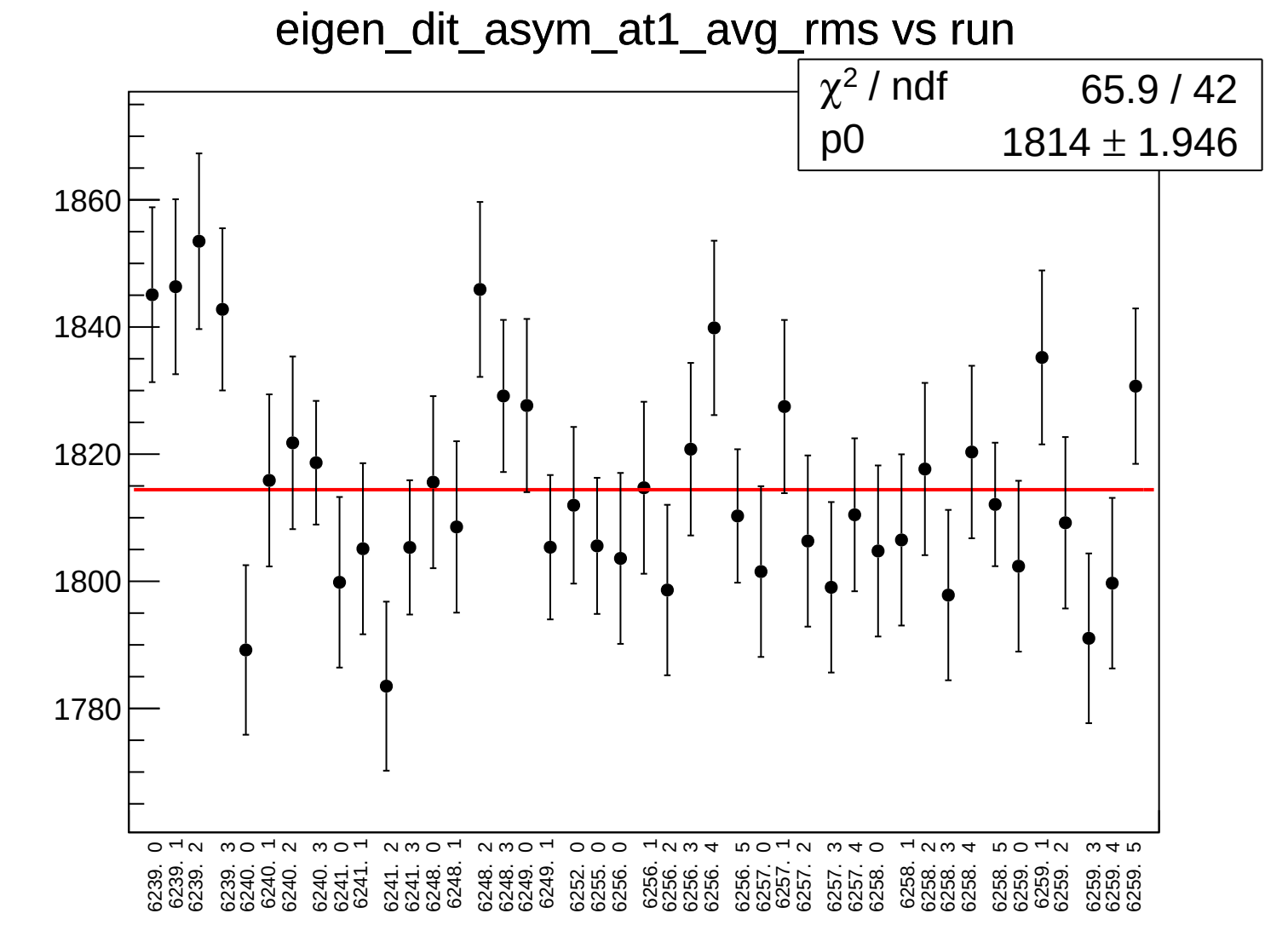

dit_asym_at1_avg_rms vs run
χ² / ndf 65.9 / 42
p0 1814 ± 1.946
1860
1840
1820
1800
1780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

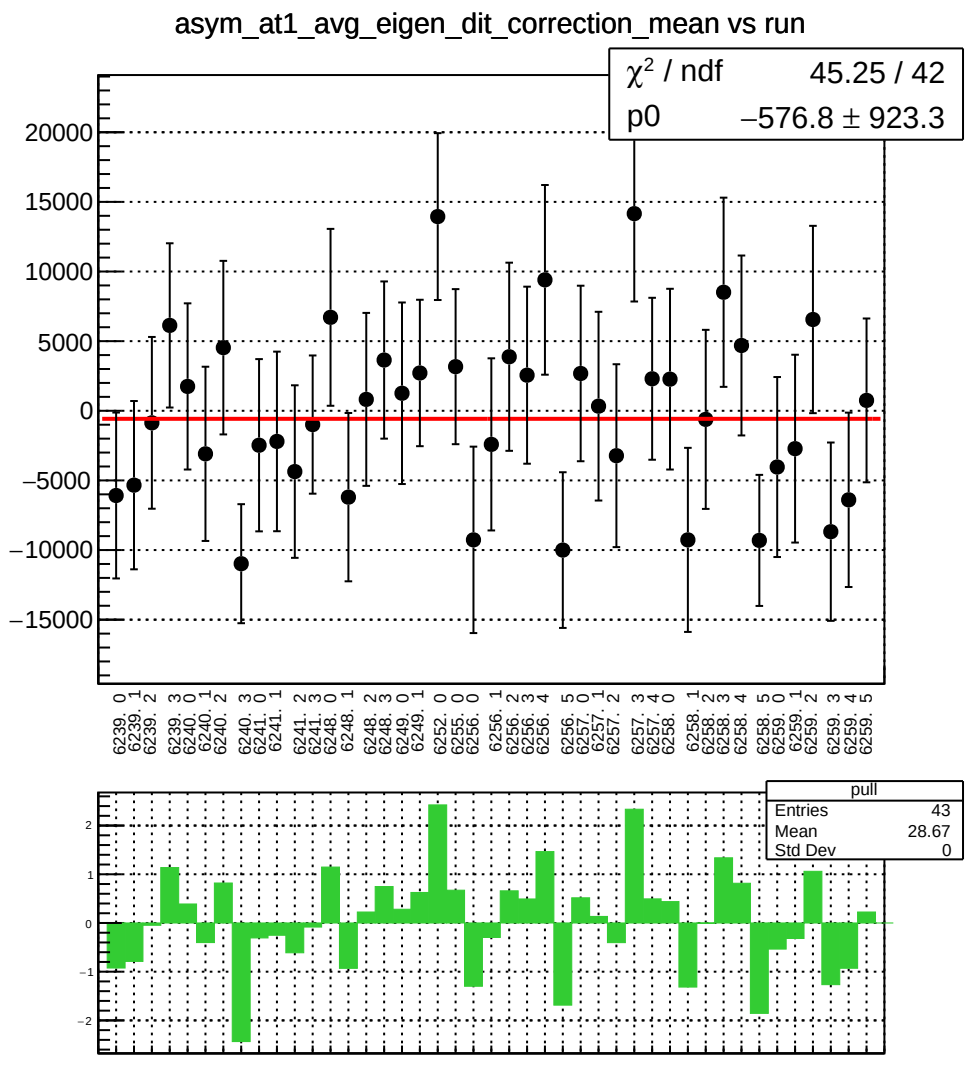

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 45.25 / 42
p0 −576.8 ± 923.3
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.67
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04086
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

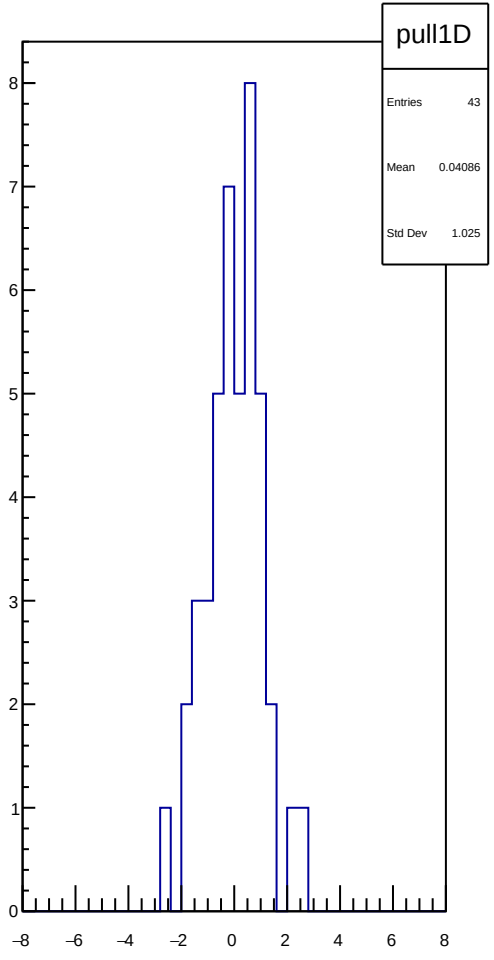

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 1702 / 42
p0 608.2 ± 0.6529
680
660
640
620
600
580
560
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

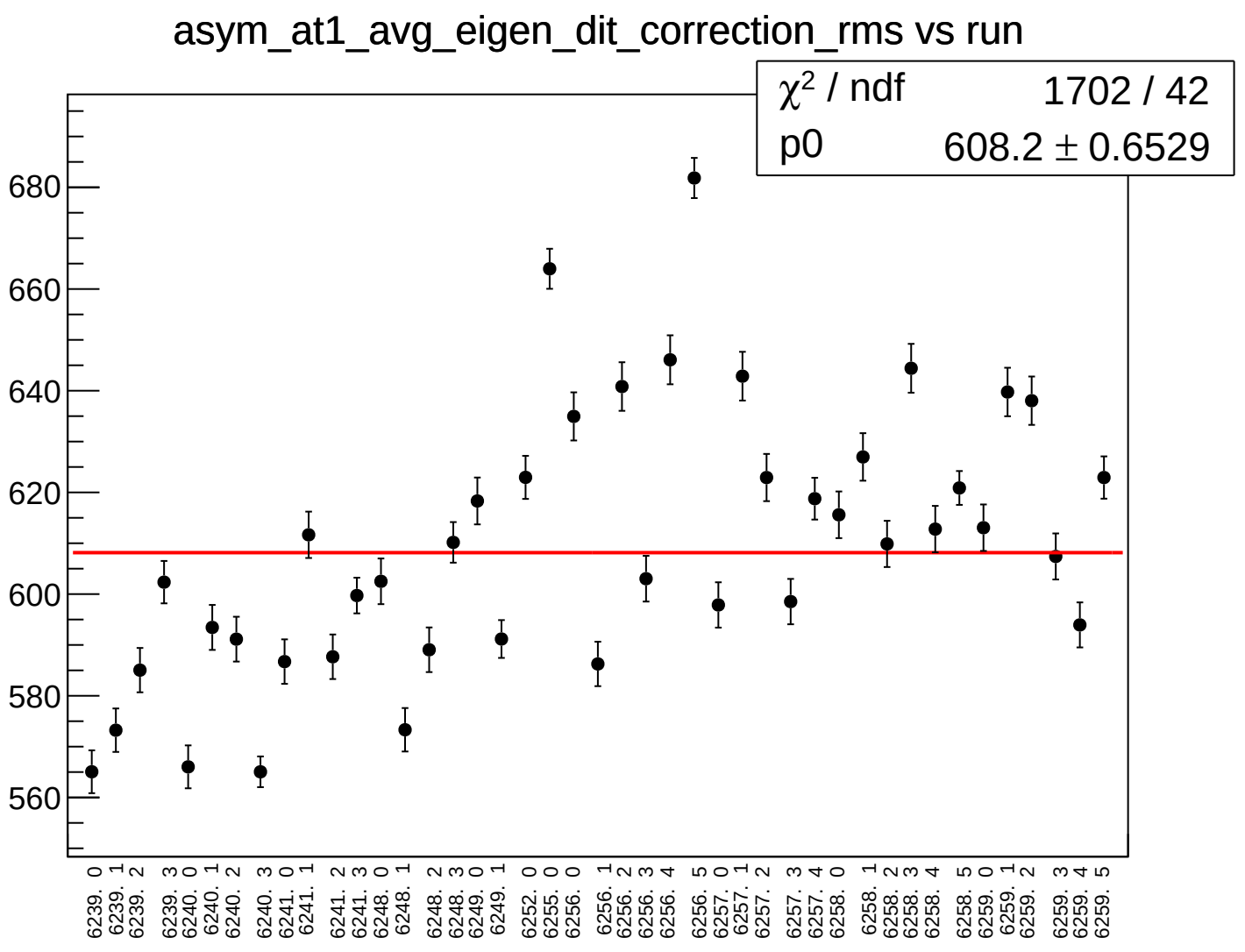

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 35.18 / 42
p0 1272 ± 2752
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.587
Std Dev 24.11
1.5
1
0.5
0
−0.5
−1
−1.5

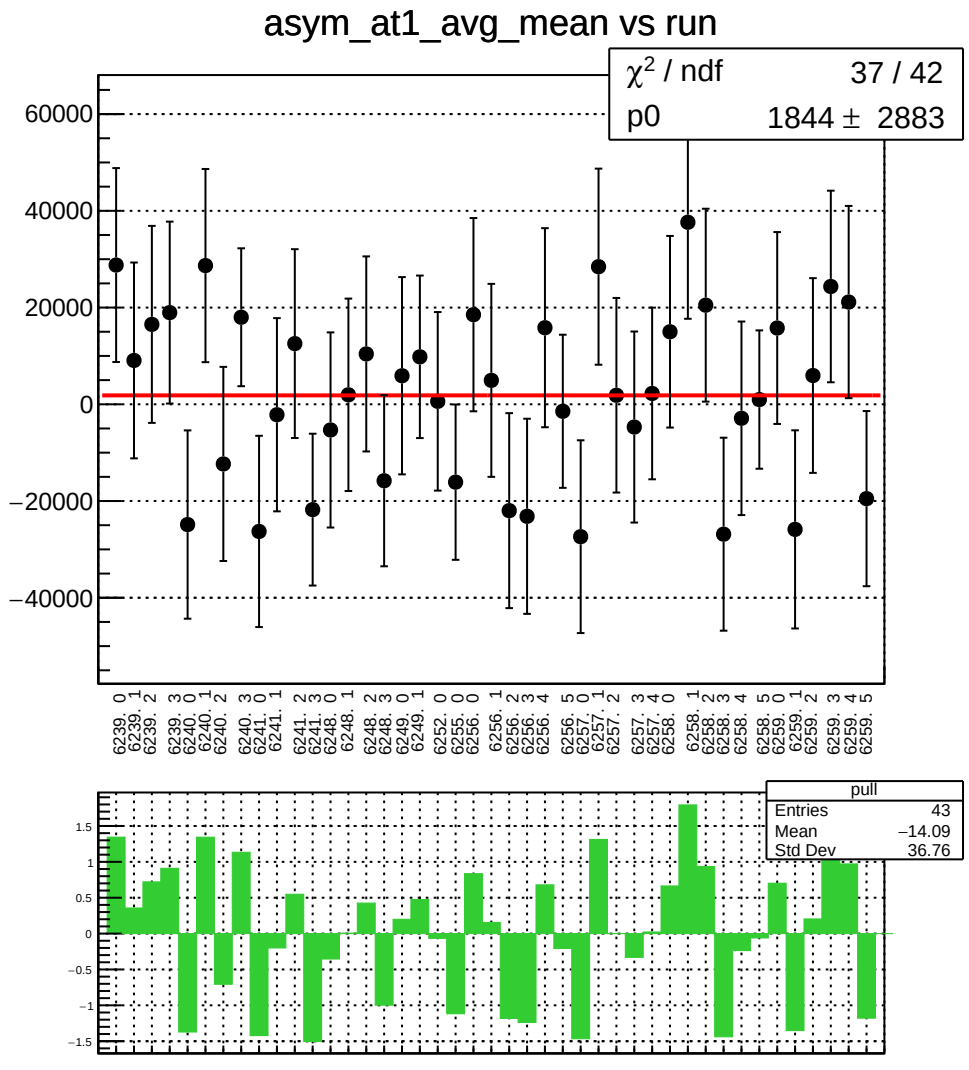

pull1D
Entries 43
Mean 0.02427
Std Dev 0.9041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

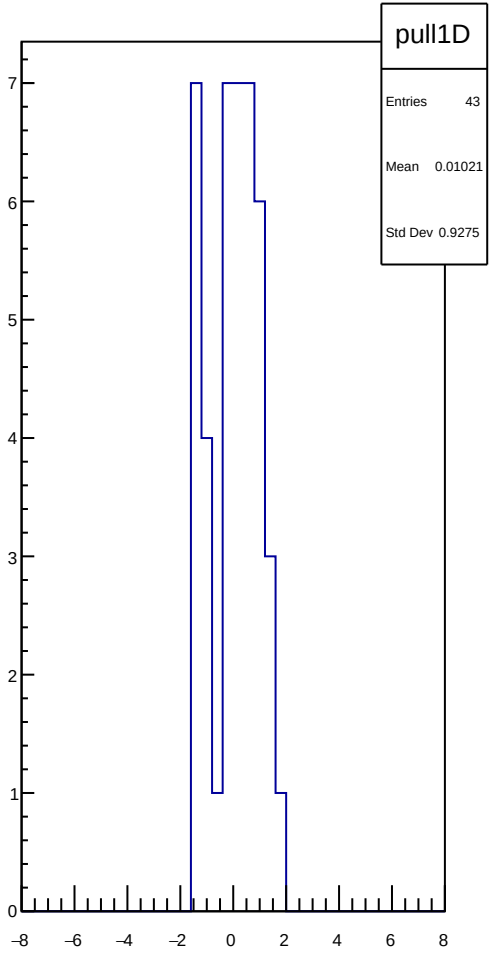

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 65.9 / 42
p0 1814 ± 1.946
1860
1840
1820
1800
1780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

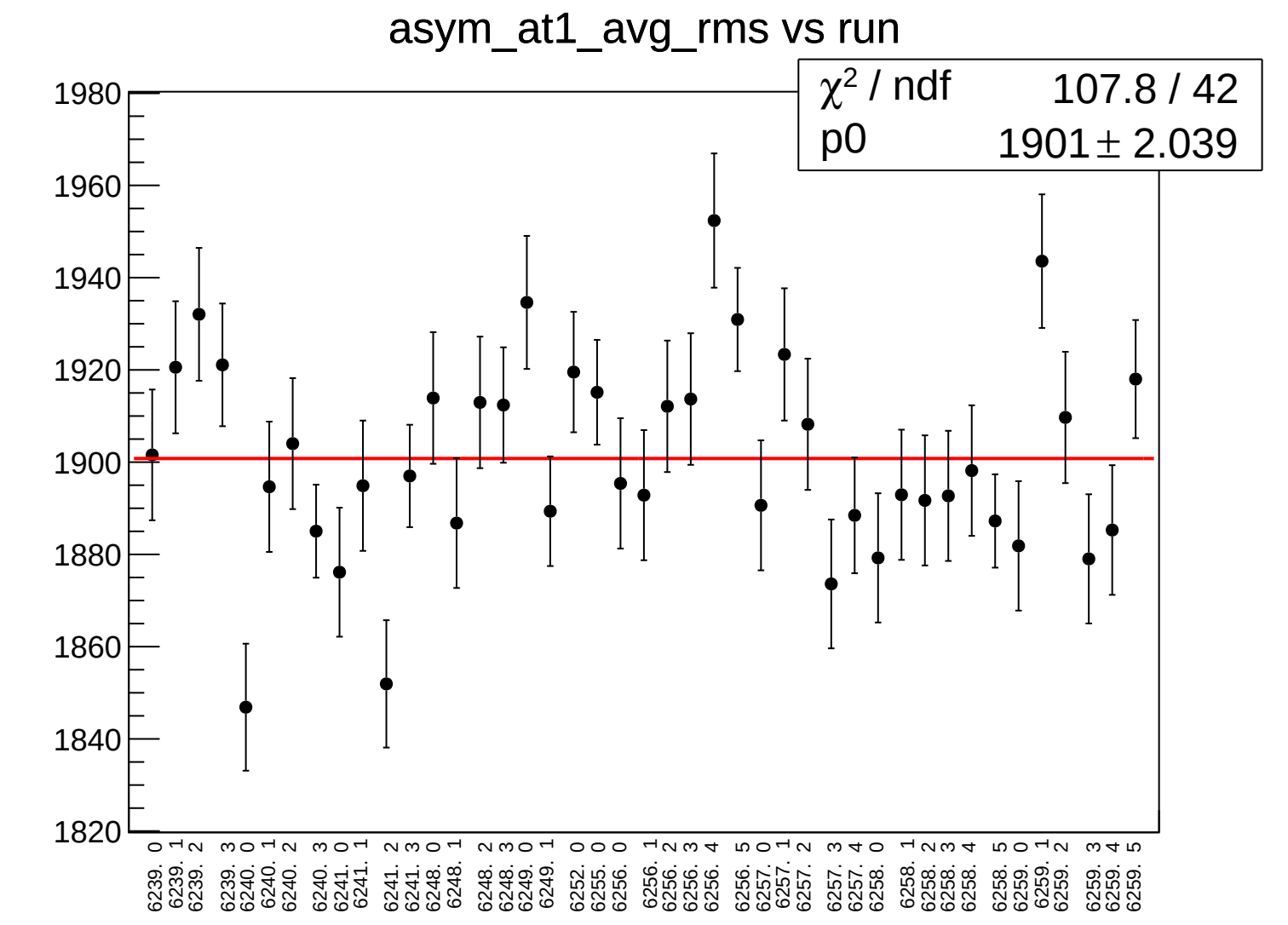

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.25 / 42
p0 −576.8 ± 923.3
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.67
Std Dev 0
2
1
0
−1
−2

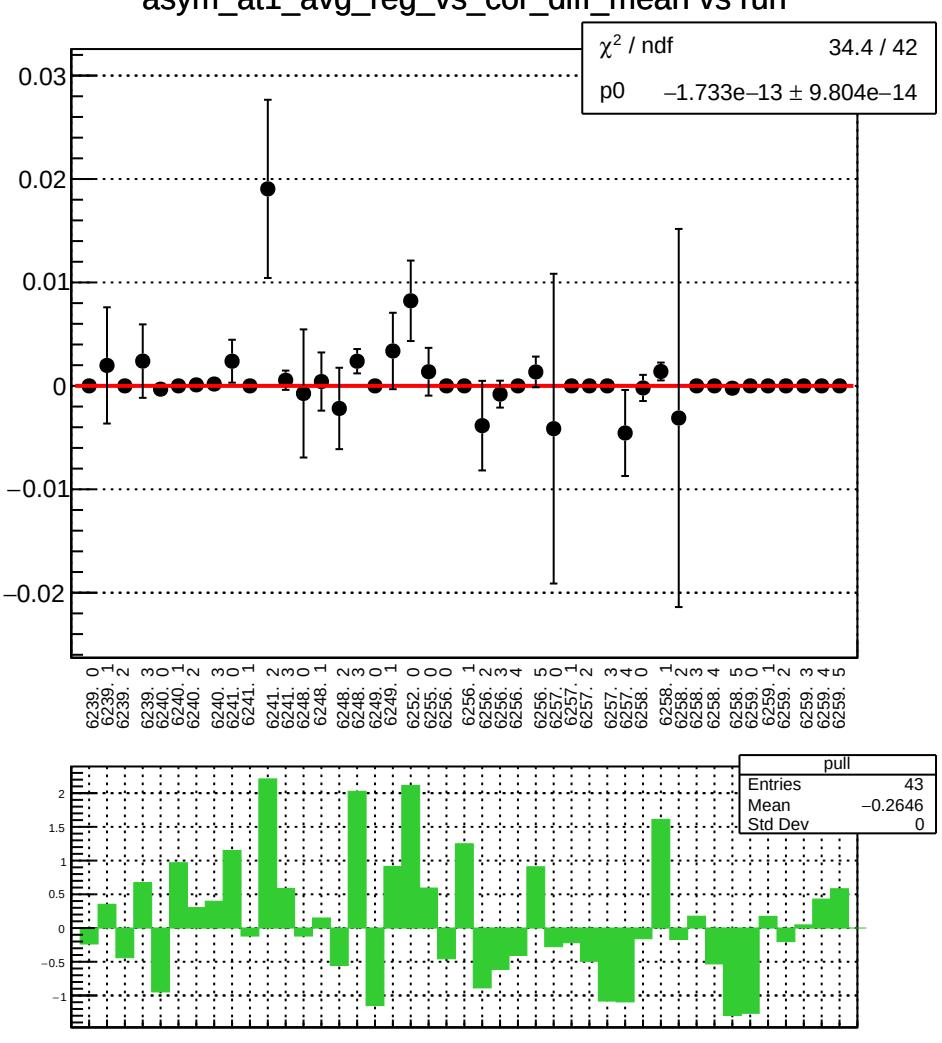

pull1D
Entries 43
Mean 0.04086
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

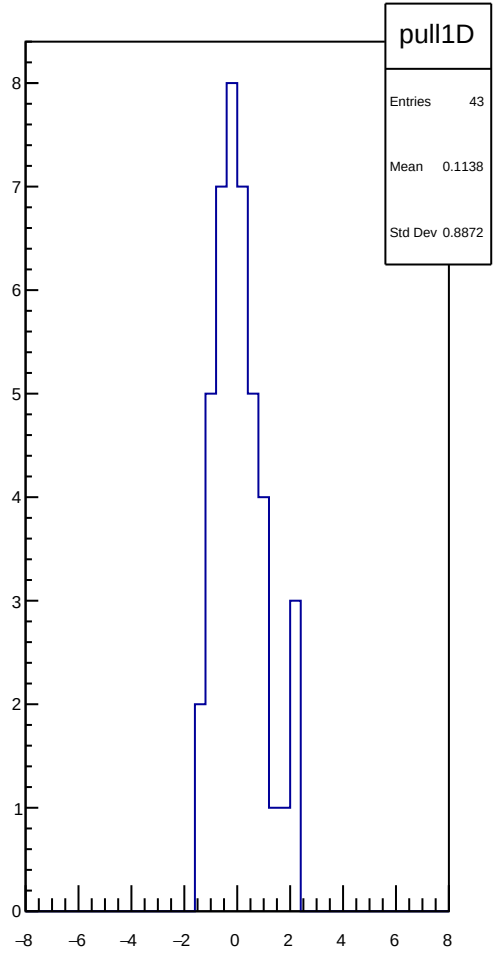

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1702 / 42
p0 608.2 ± 0.6529
680
660
640
620
600
580
560
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

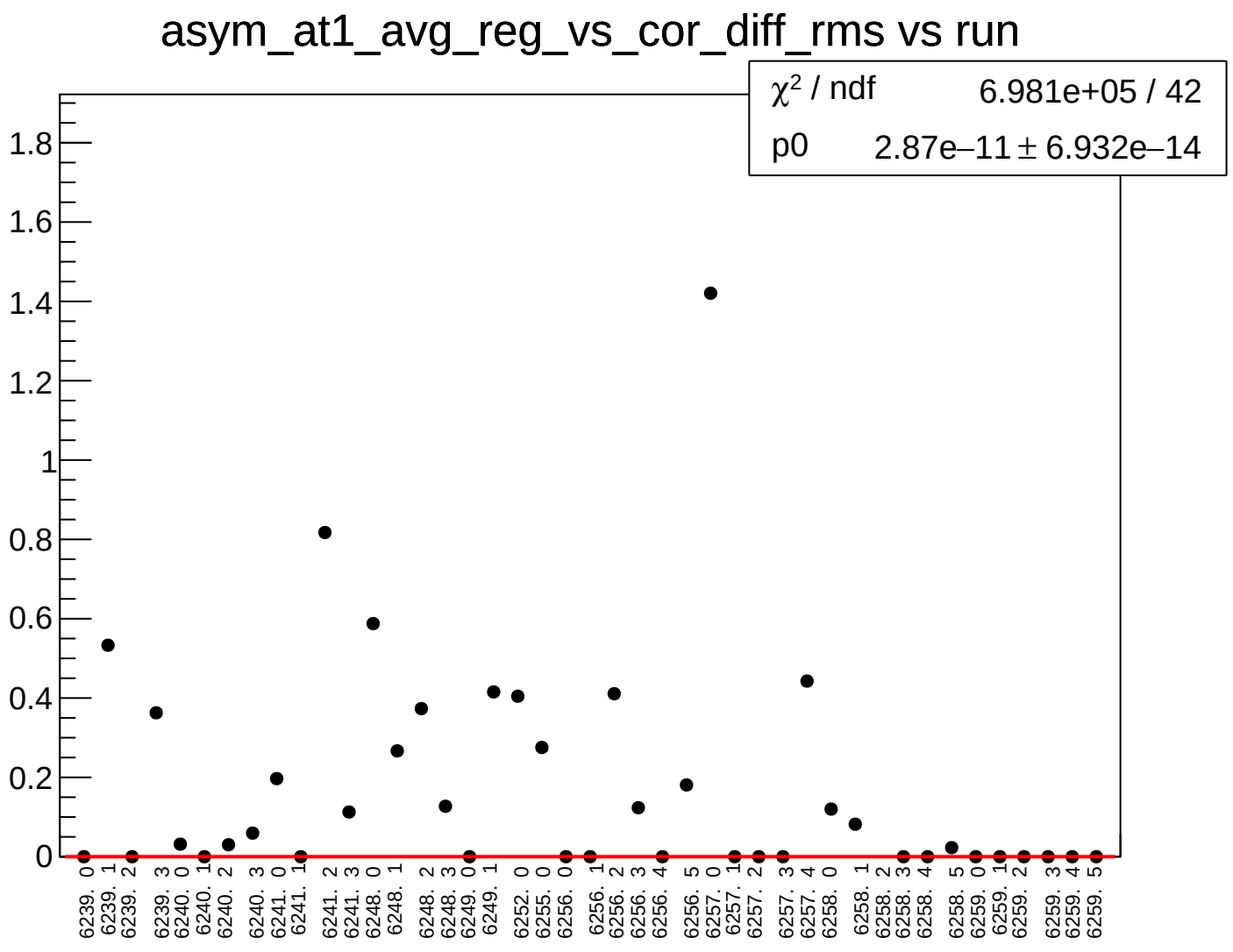

asym_at1_avg_mean vs run
χ² / ndf 37 / 42
p0 1844 ± 2883
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −14.09
Std Dev 36.76
1.5
1
0.5
0
−0.5
−1
−1.5

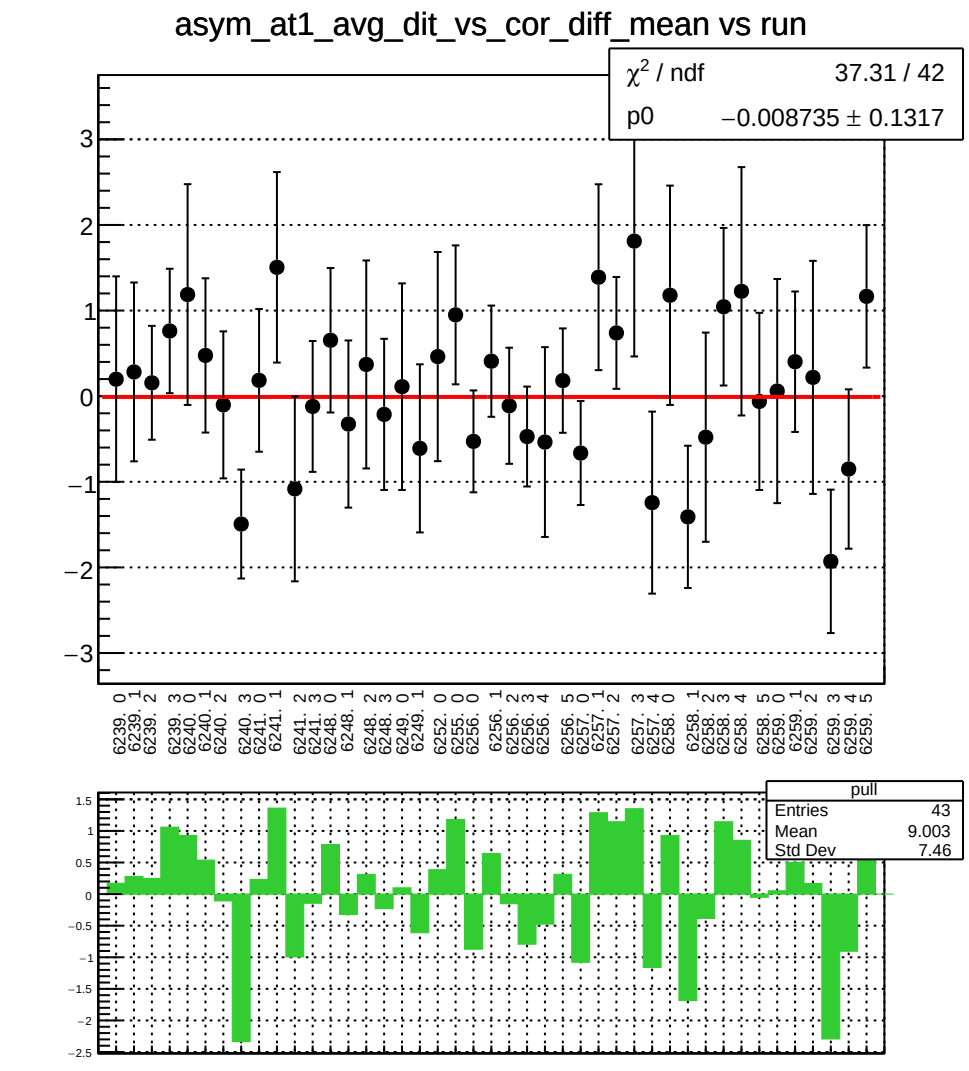

pull1D
Entries 43
Mean 0.01021
Std Dev 0.9275
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

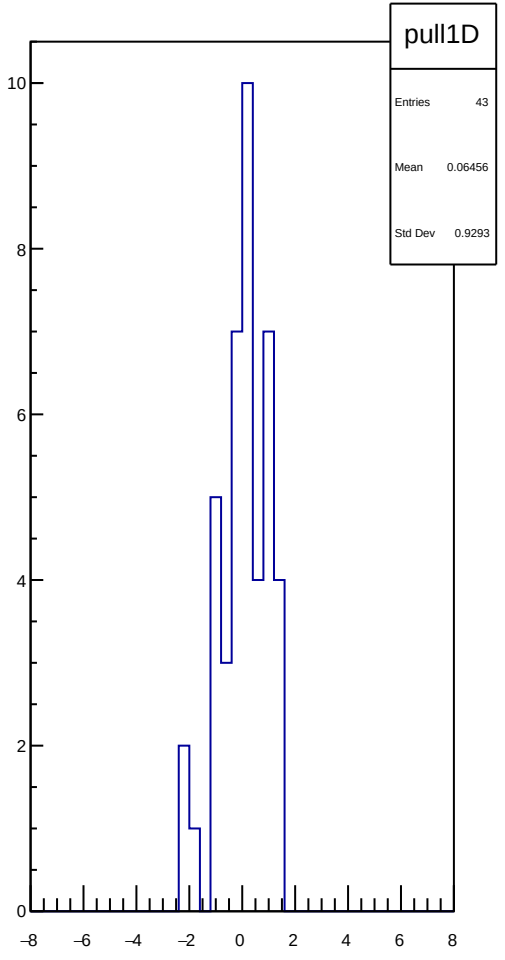

asym_at1_avg_rms vs run
χ² / ndf 107.8 / 42
p0 1901 ± 2.039
1980
1960
1940
1920
1900
1880
1860
1840
1820
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

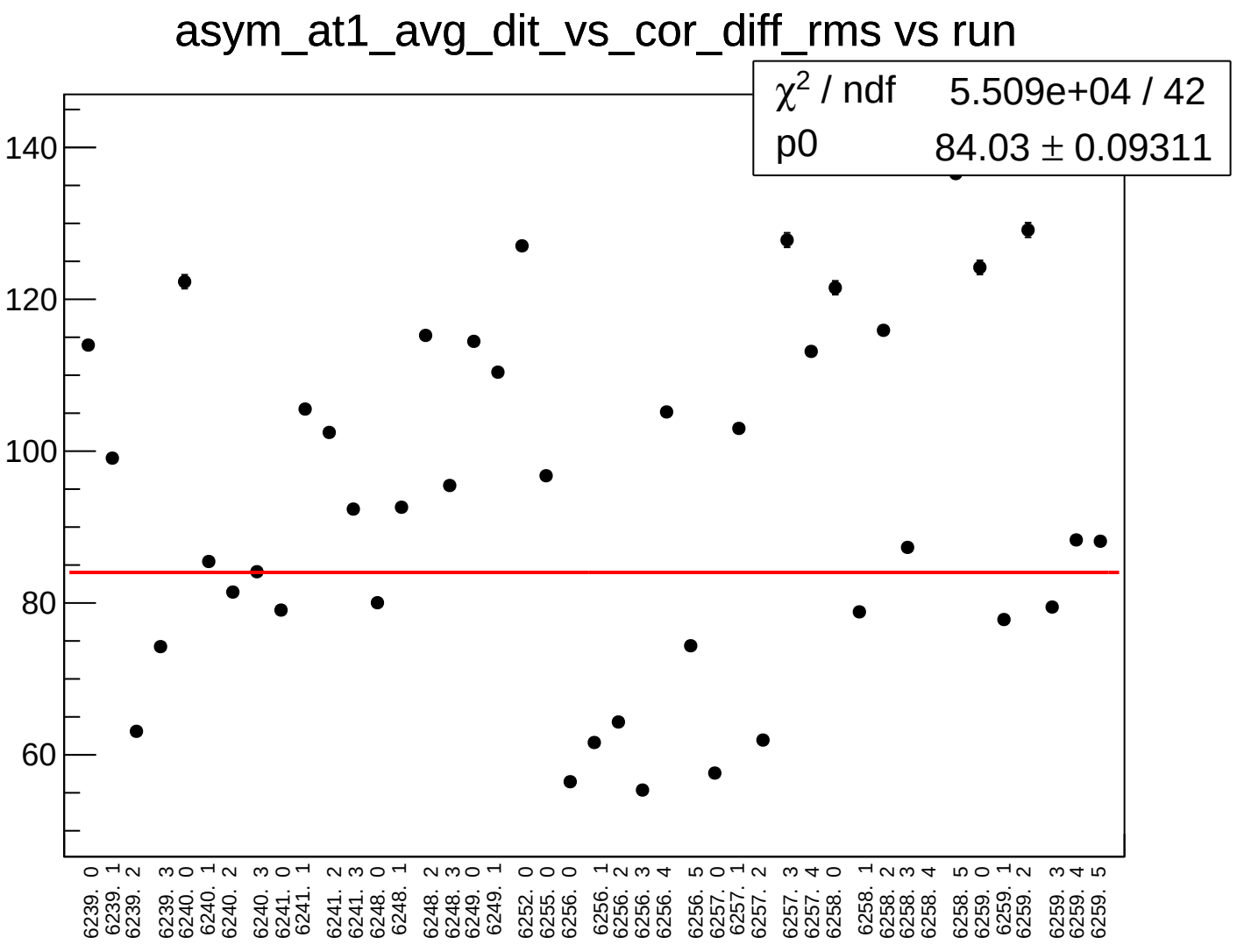

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.4 / 42
p0 −1.733e−13 ± 9.804e−14
0.03
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.2646
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

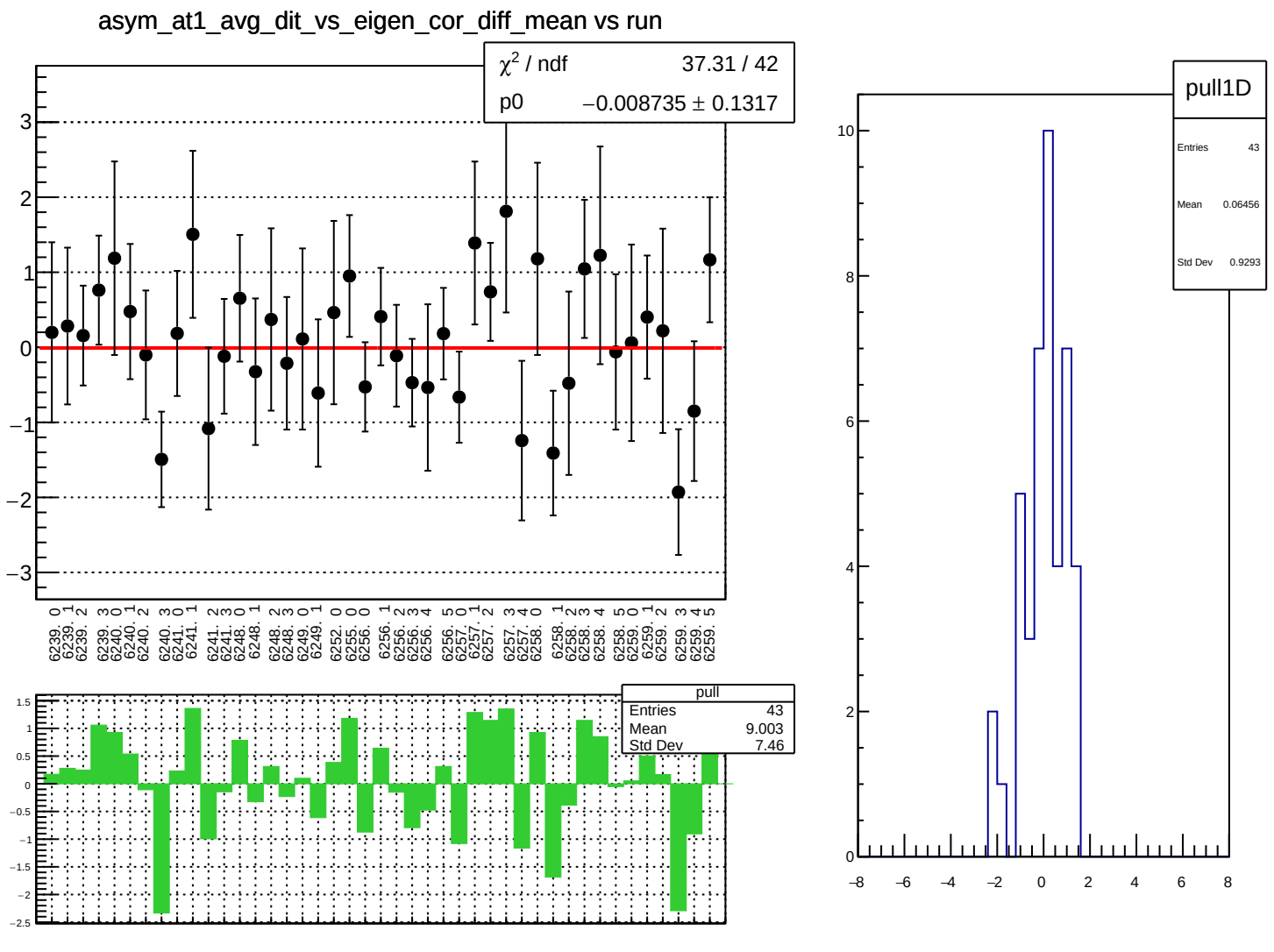

pull1D
Entries 43
Mean 0.1138
Std Dev 0.8872
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

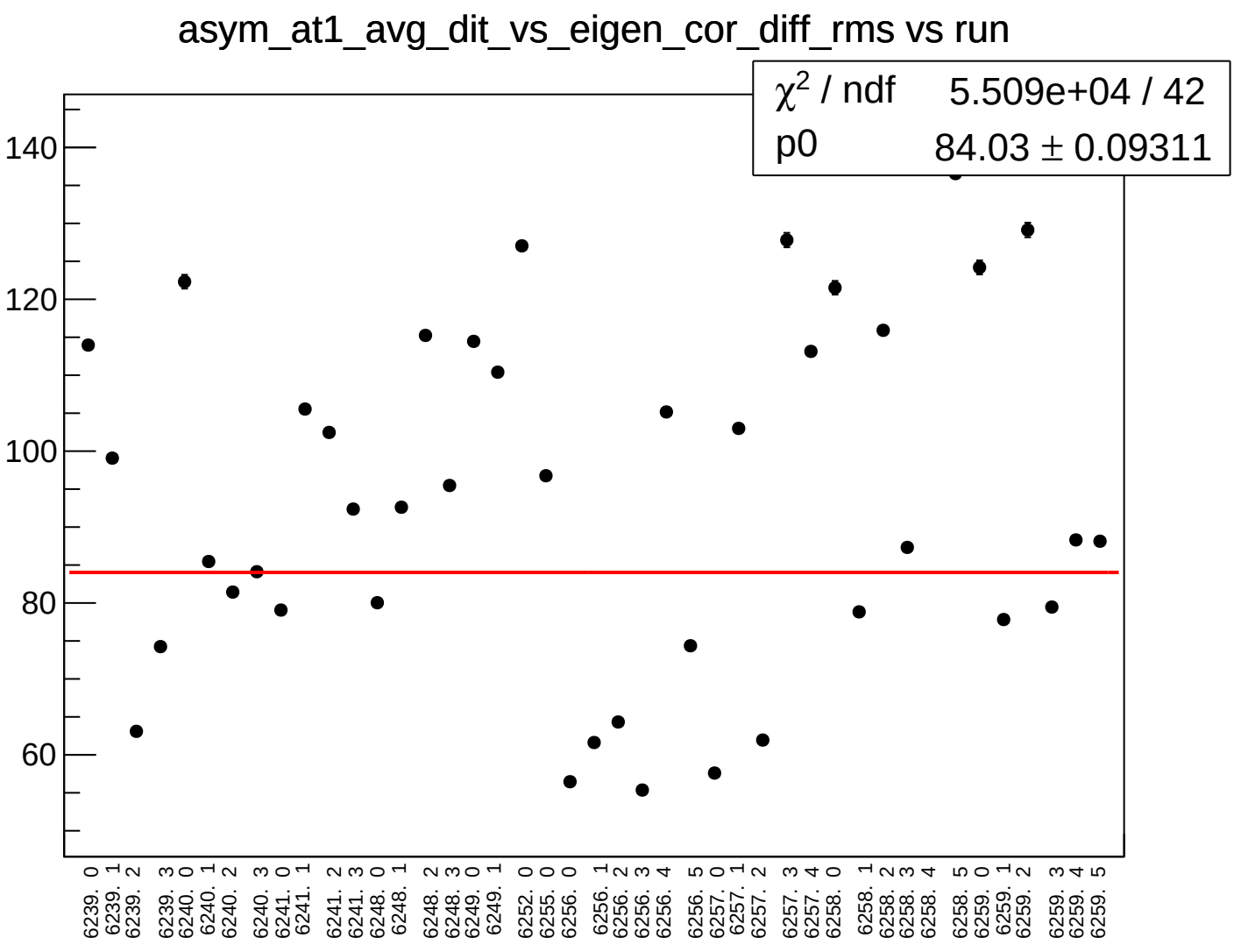

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.981e+05 / 42
p0 2.87e−11 ± 6.932e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

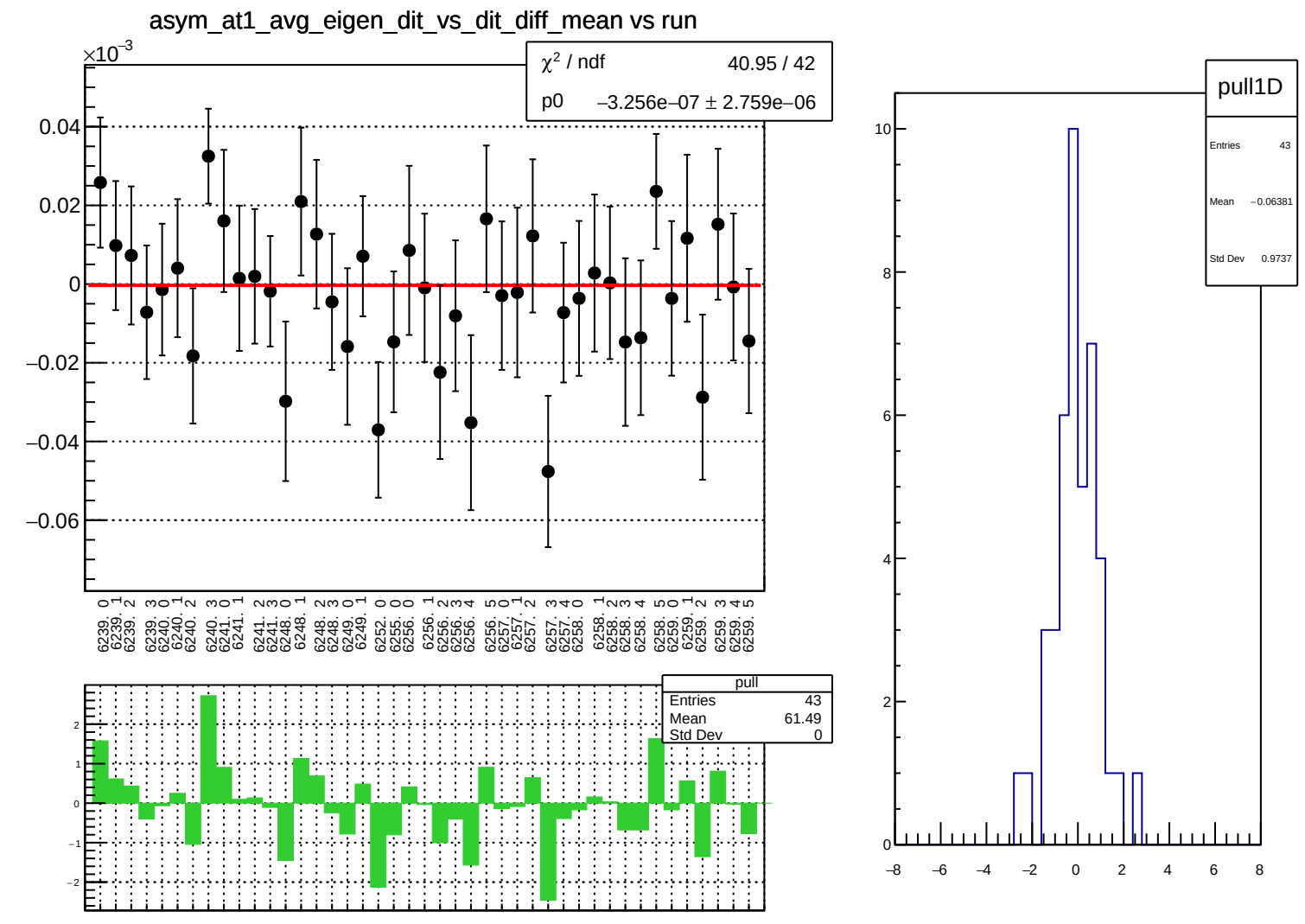

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.31 / 42
p0 −0.008735 ± 0.1317
pull
Entries 43
Mean 9.003
Std Dev 7.46

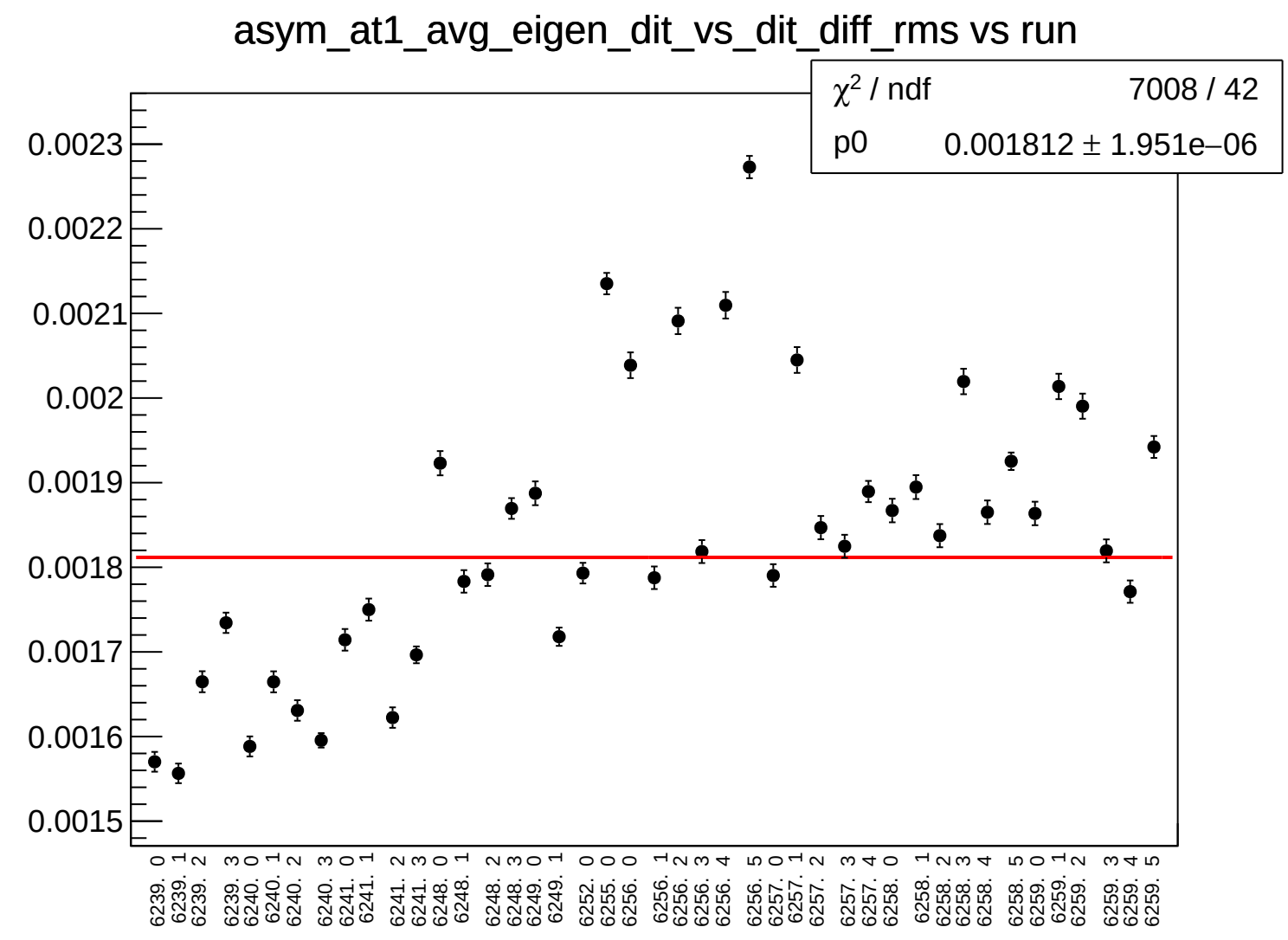

pull1D
Entries 43
Mean 0.06456
Std Dev 0.9293

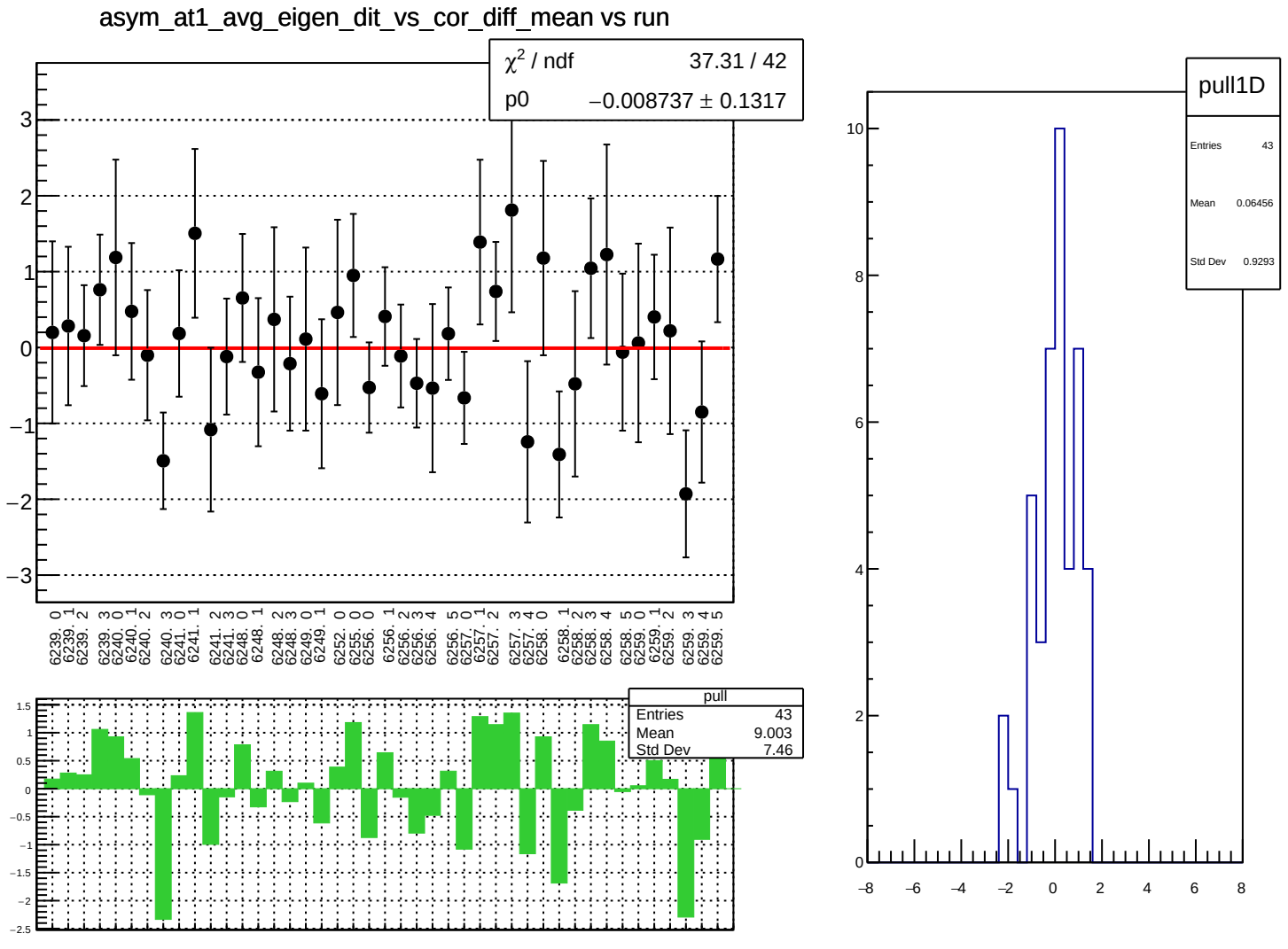

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.509e+04 / 42
p0 84.03 ± 0.09311
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

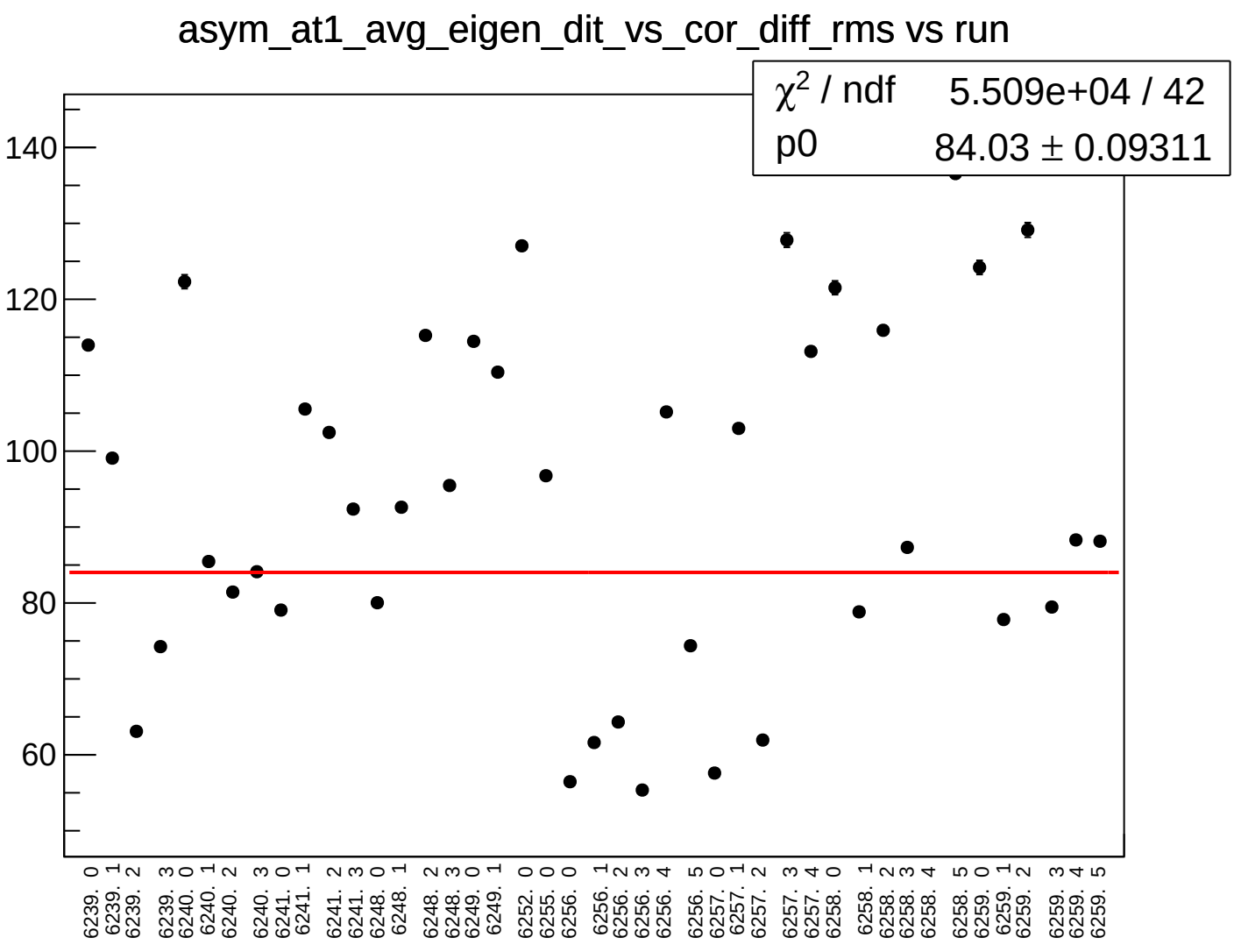

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.31 / 42
p0 −0.008735 ± 0.1317
pull
Entries 43
Mean 9.003
Std Dev 7.46
pull1D
Entries 43
Mean 0.06456
Std Dev 0.9293

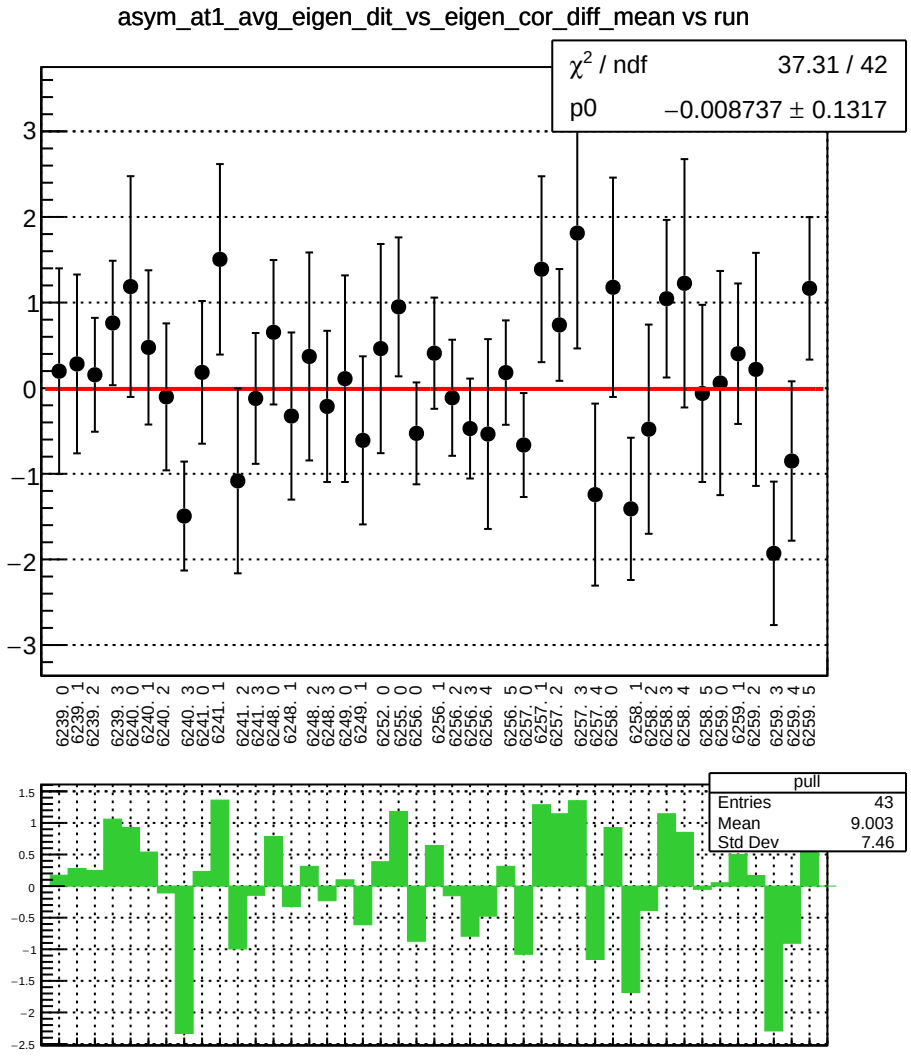

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.509e+04 / 42
p0 84.03 ± 0.09311
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

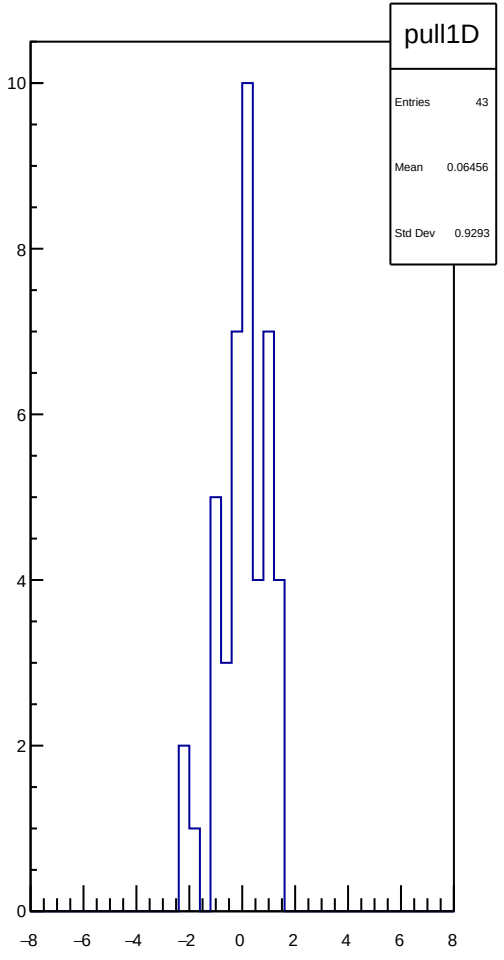

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.95 / 42
p0 −3.256e−07 ± 2.759e−06
0.04
0.02
0
−0.02
−0.04
−0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 61.49
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.06381
Std Dev 0.9737
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

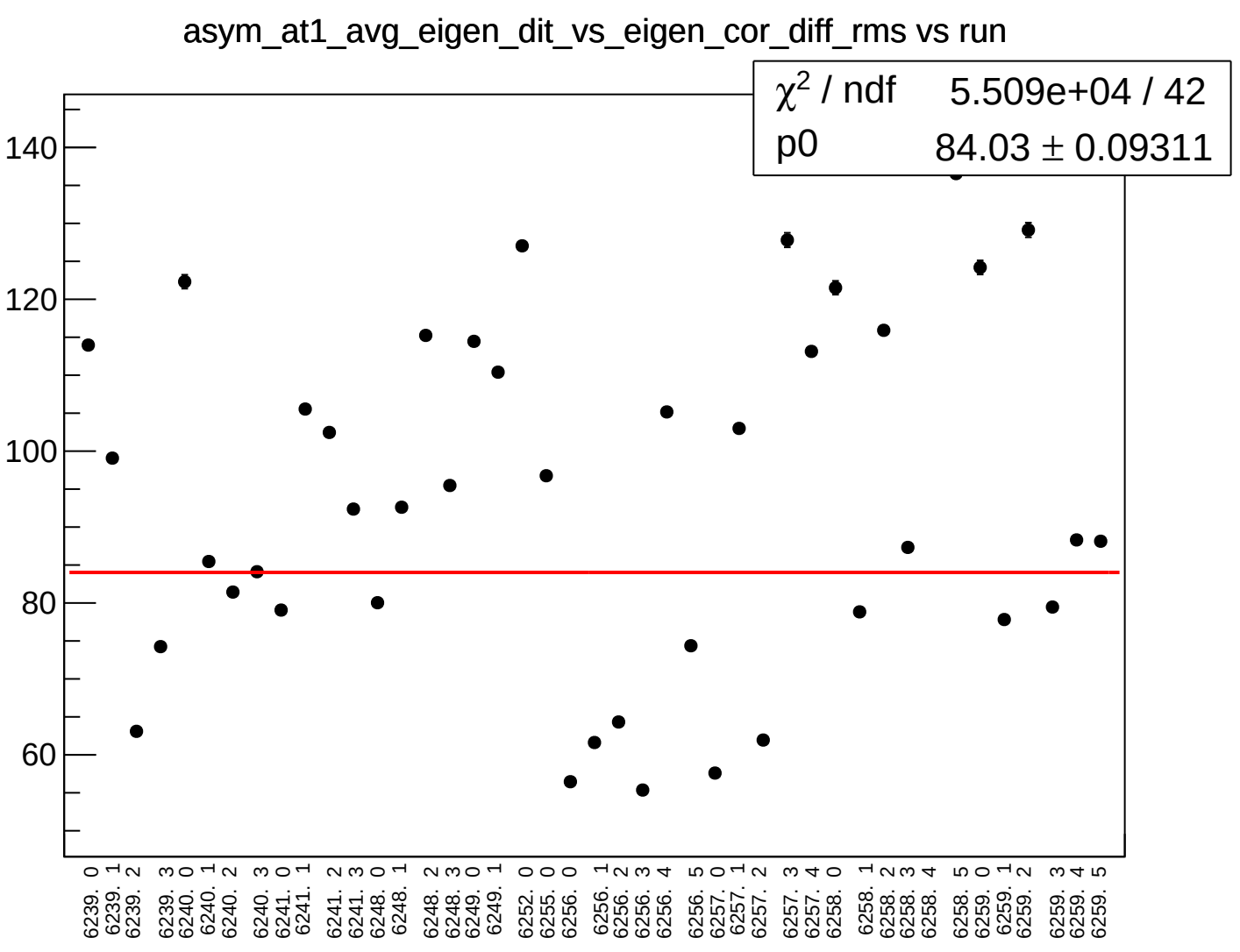

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7008 / 42
p0 0.001812 ± 1.951e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

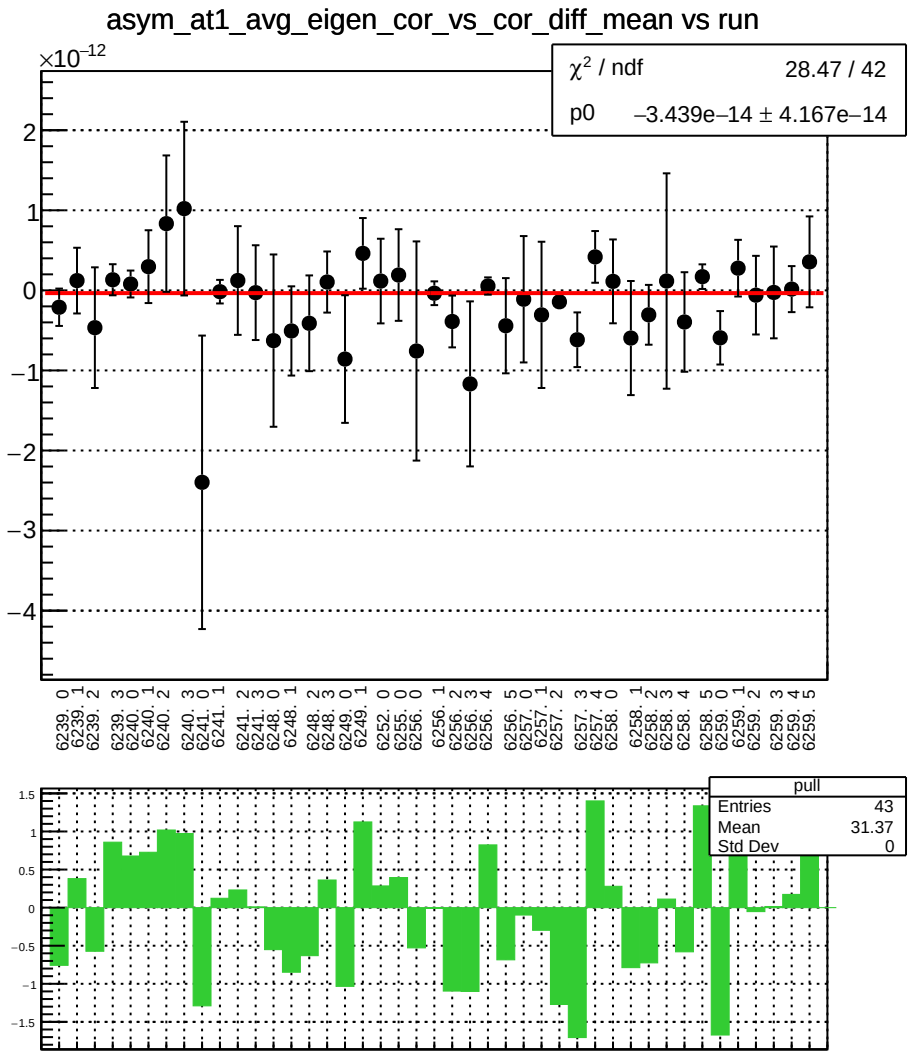

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.31 / 42
p0 −0.008737 ± 0.1317
pull
Entries 43
Mean 9.003
Std Dev 7.46
pull1D
Entries 43
Mean 0.06456
Std Dev 0.9293

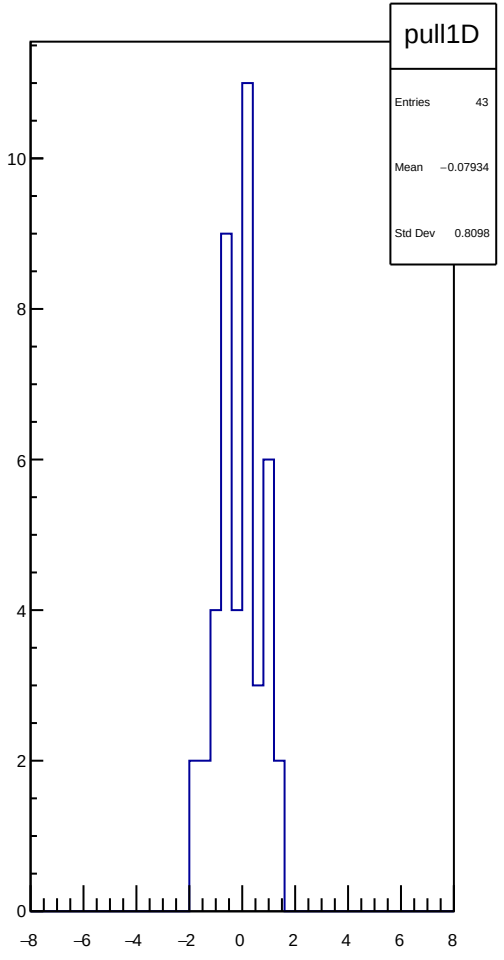

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.509e+04 / 42
p0 84.03 ± 0.09311
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

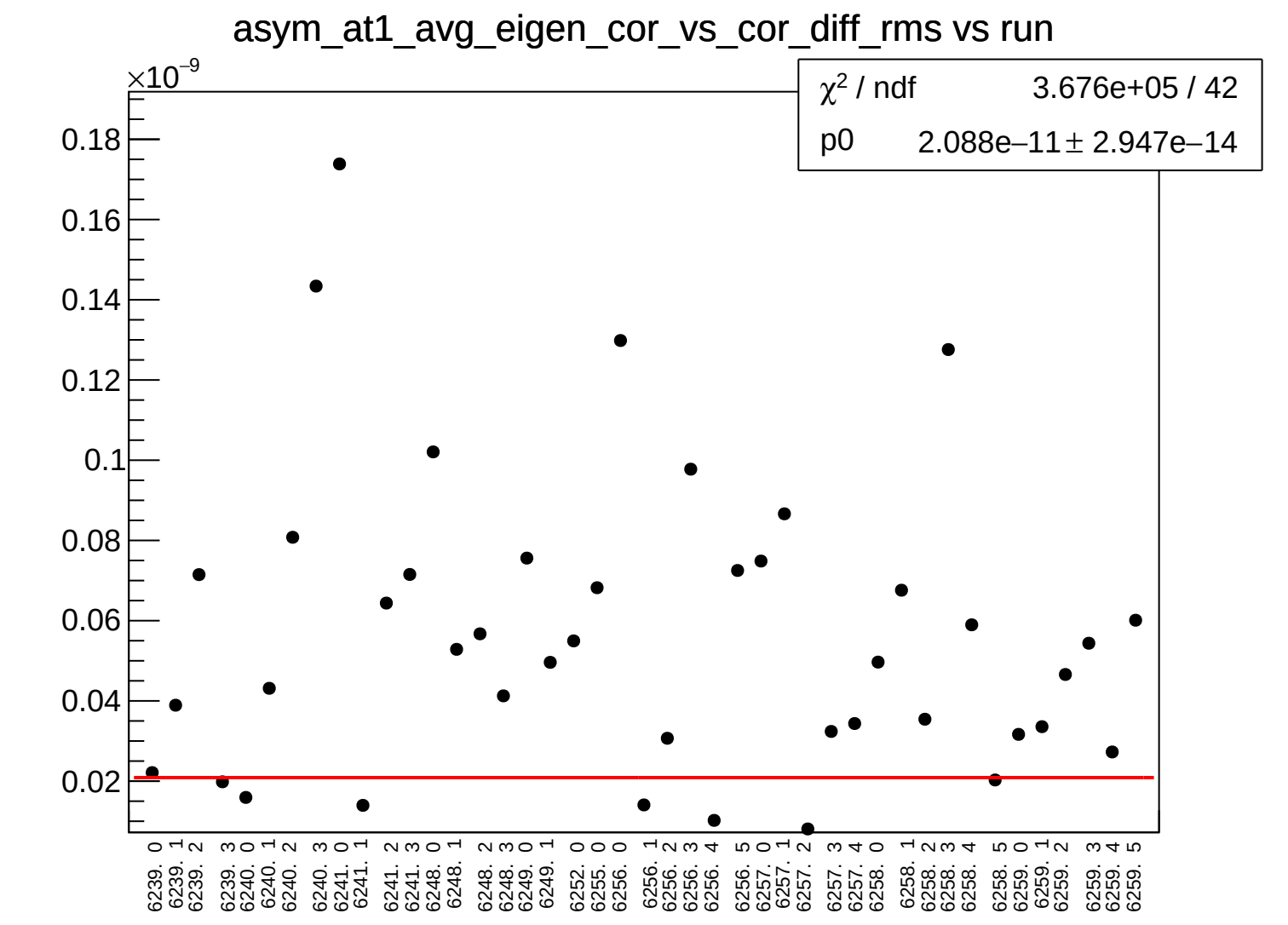

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.31 / 42
p0 −0.008737 ± 0.1317
pull
Entries 43
Mean 9.003
Std Dev 7.46

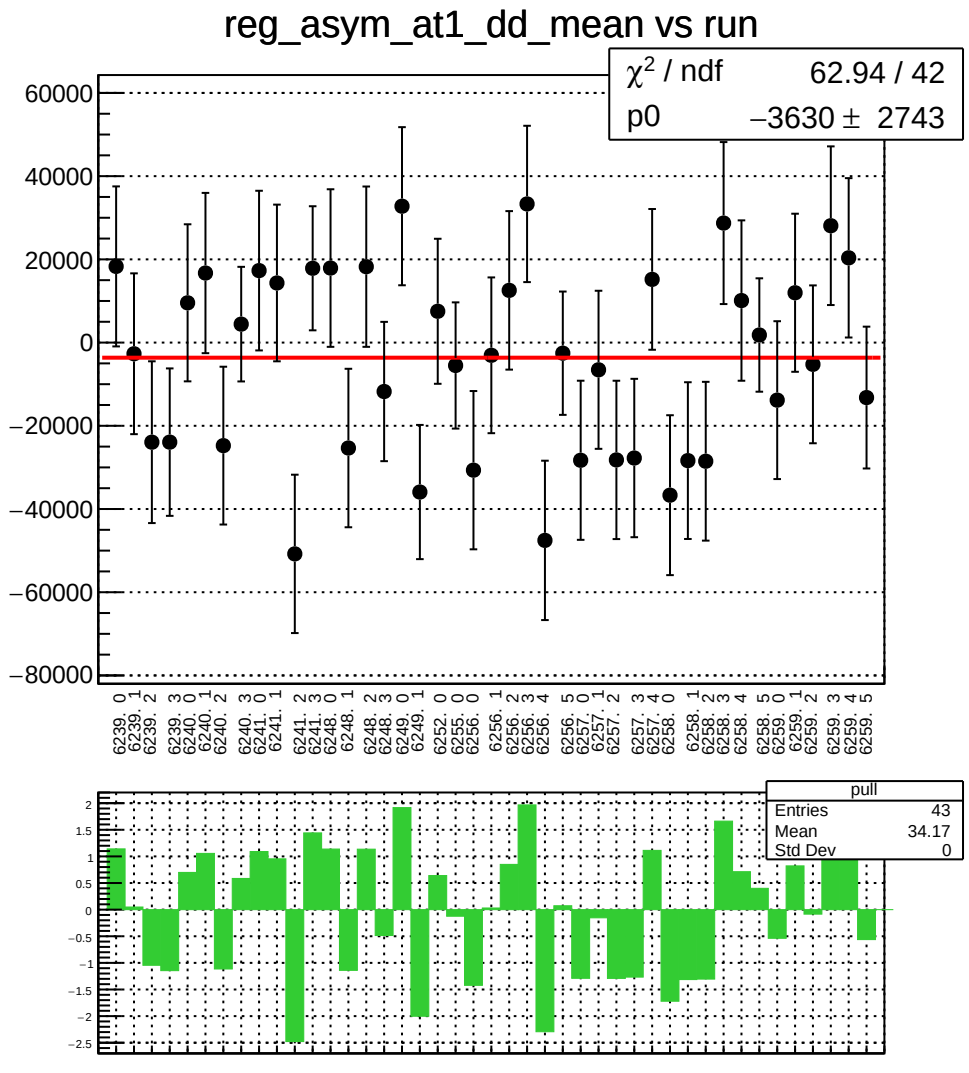

pull1D
Entries 43
Mean 0.06456
Std Dev 0.9293

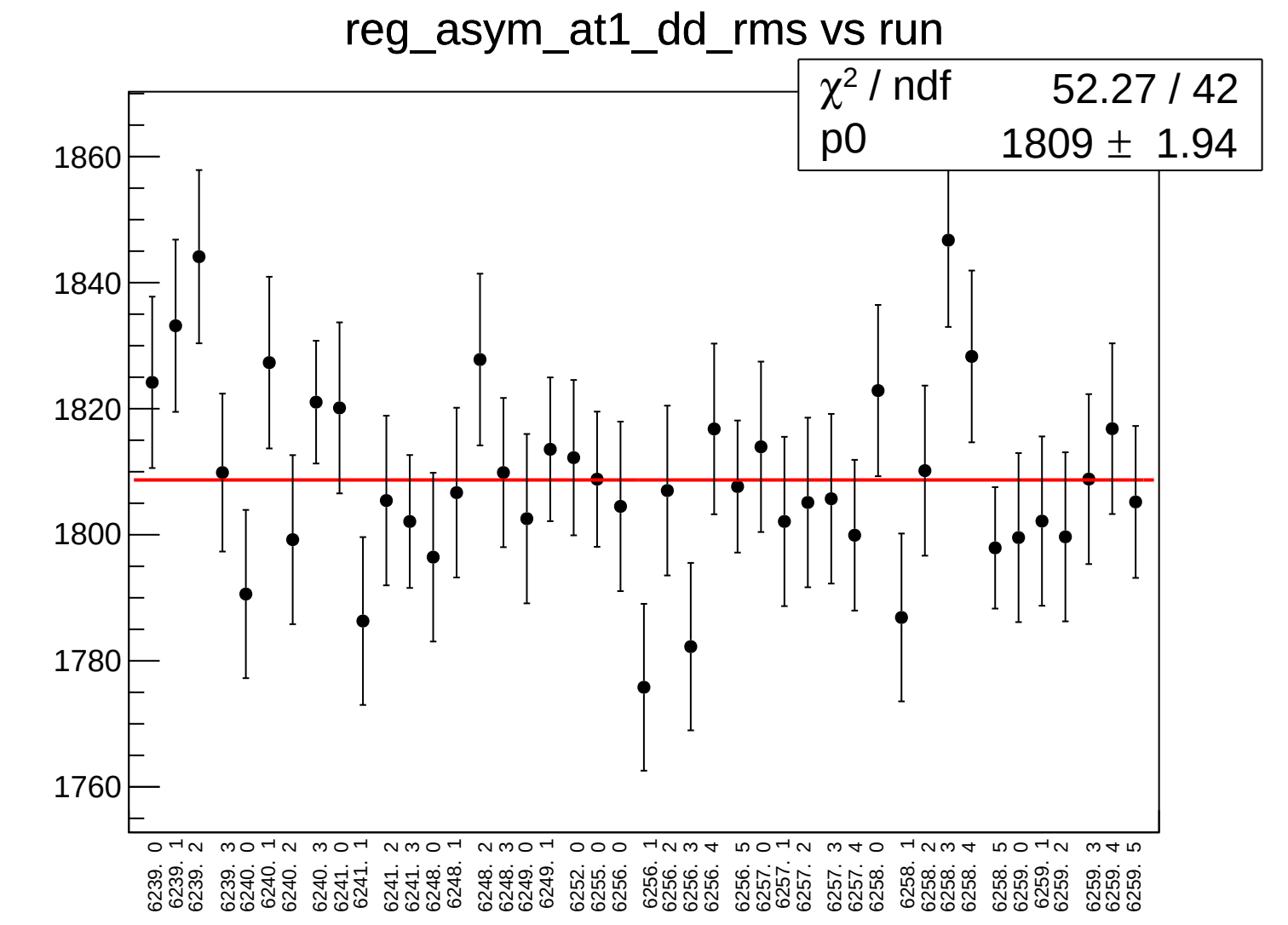

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.509e+04 / 42
p0 84.03 ± 0.09311
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

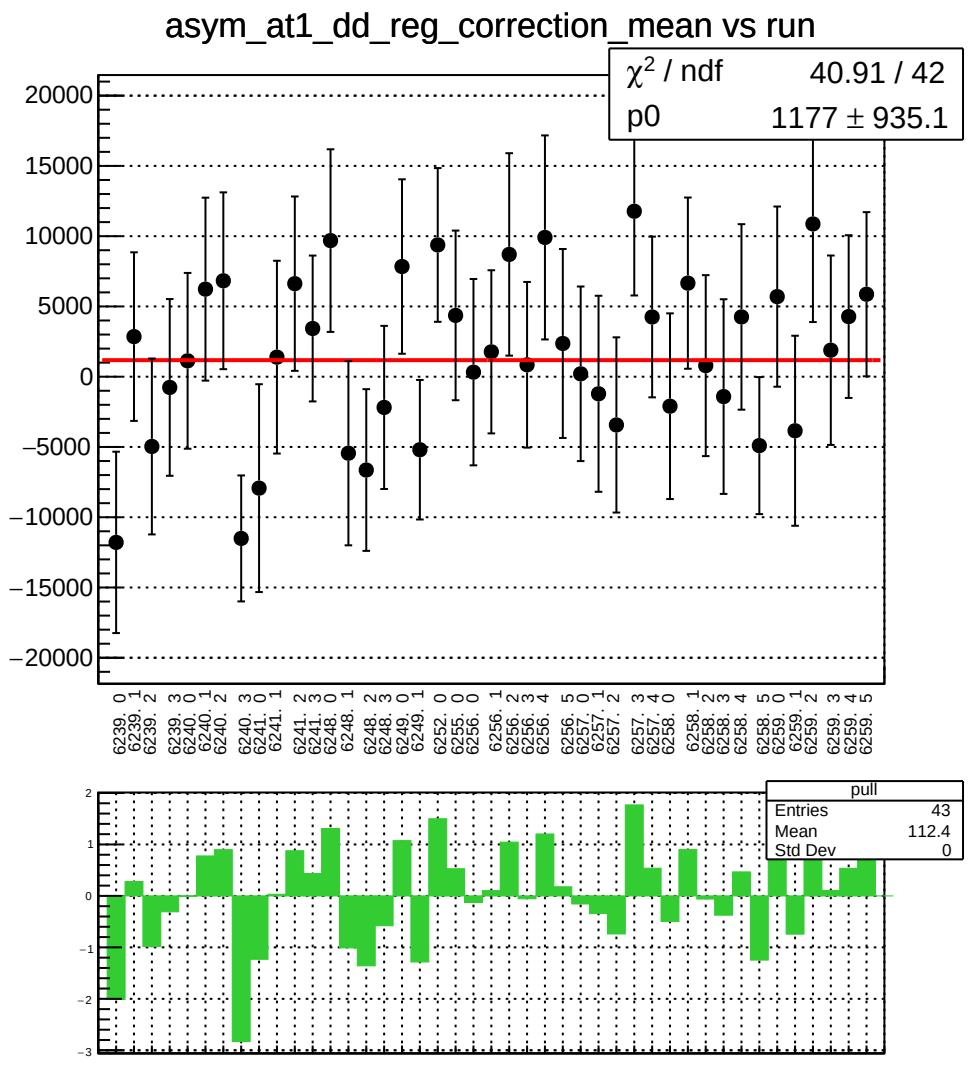

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 28.47 / 42
p0 −3.439e−14 ± 4.167e−14
pull
Entries 43
Mean 31.37
Std Dev 0

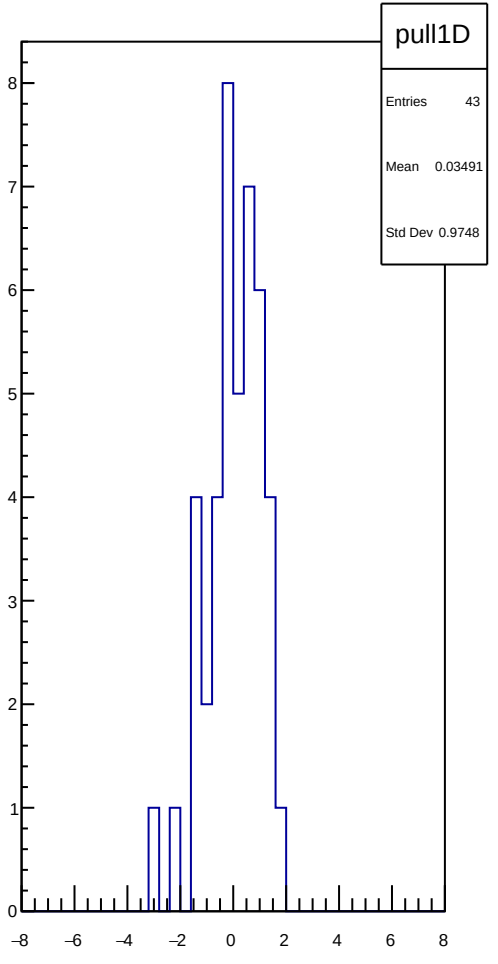

pull1D
Entries 43
Mean −0.07934
Std Dev 0.8098

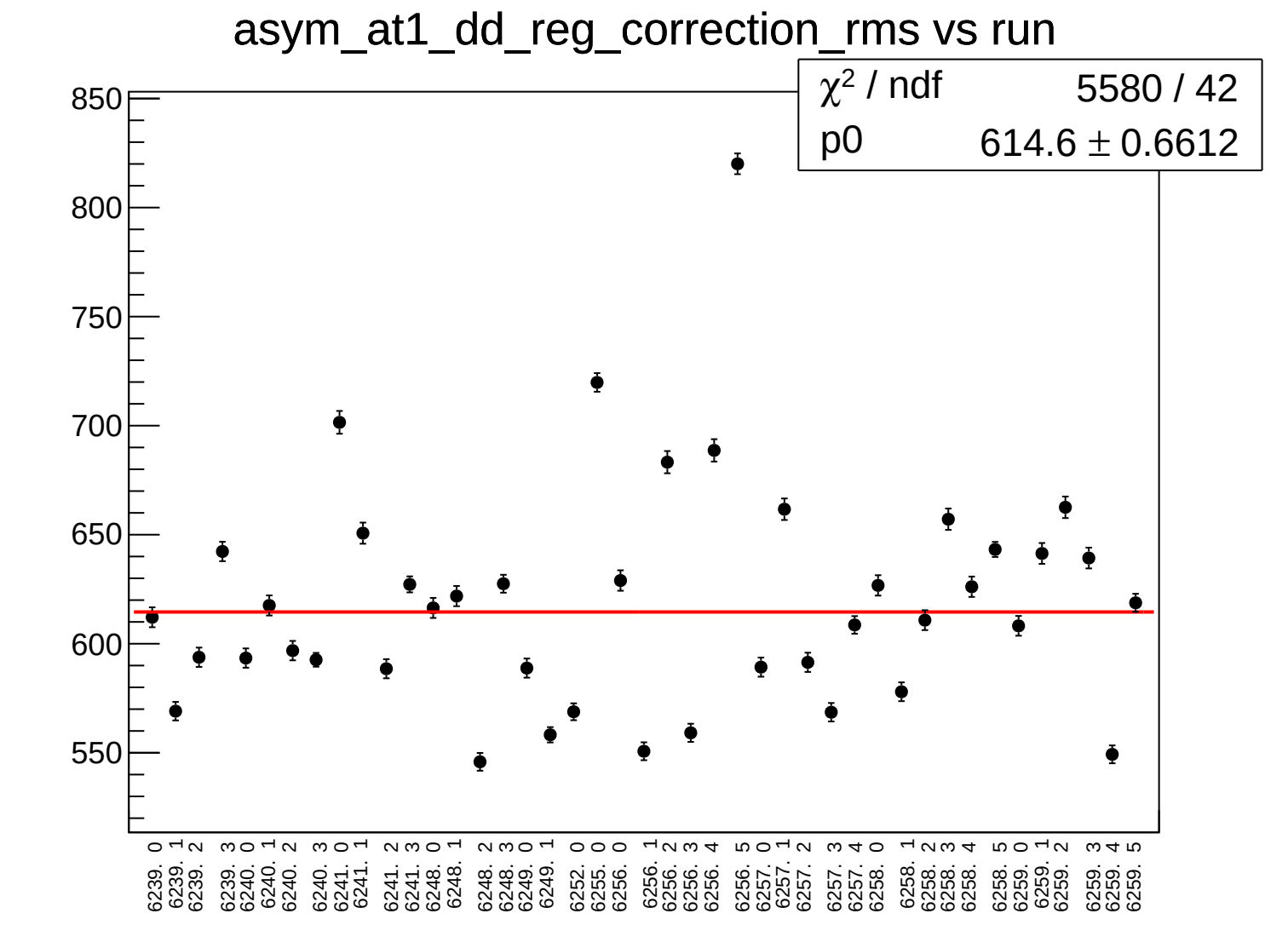

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.676e+05 / 42
p0 2.088e−11 ± 2.947e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

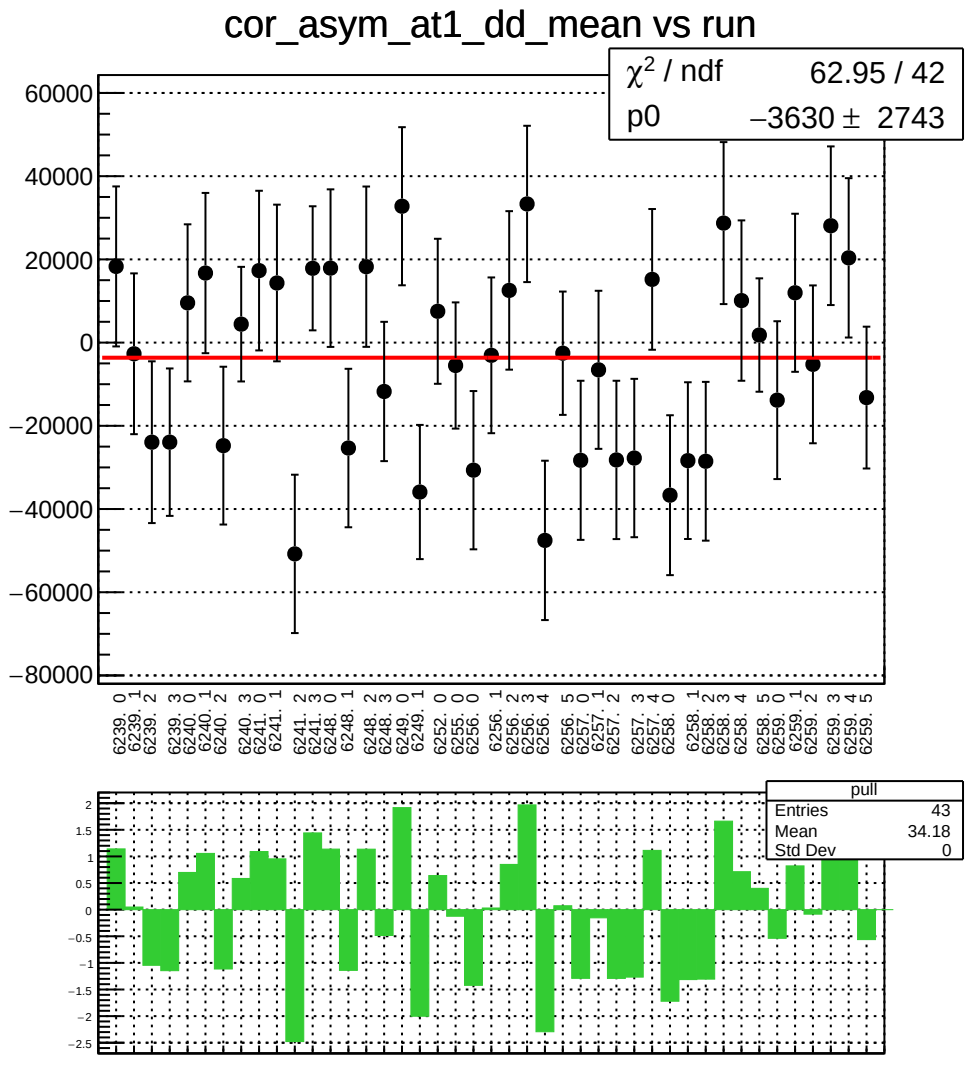

reg_asym_at1_dd_mean vs run
χ² / ndf 62.94 / 42
p0 −3630 ± 2743
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.008832
Std Dev 1.21
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

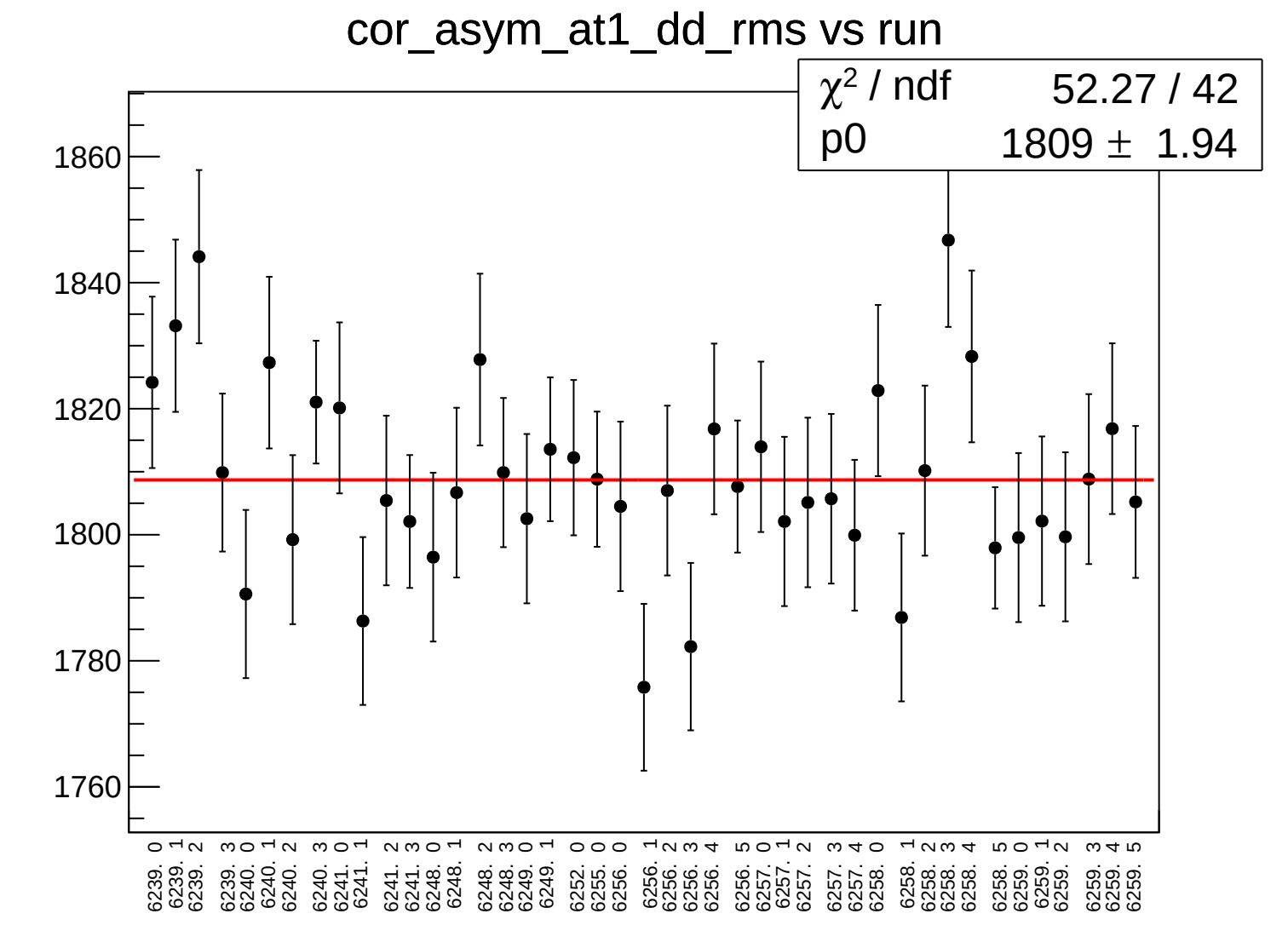

reg_asym_at1_dd_rms vs run
χ² / ndf 52.27 / 42
p0 1809 ± 1.94
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

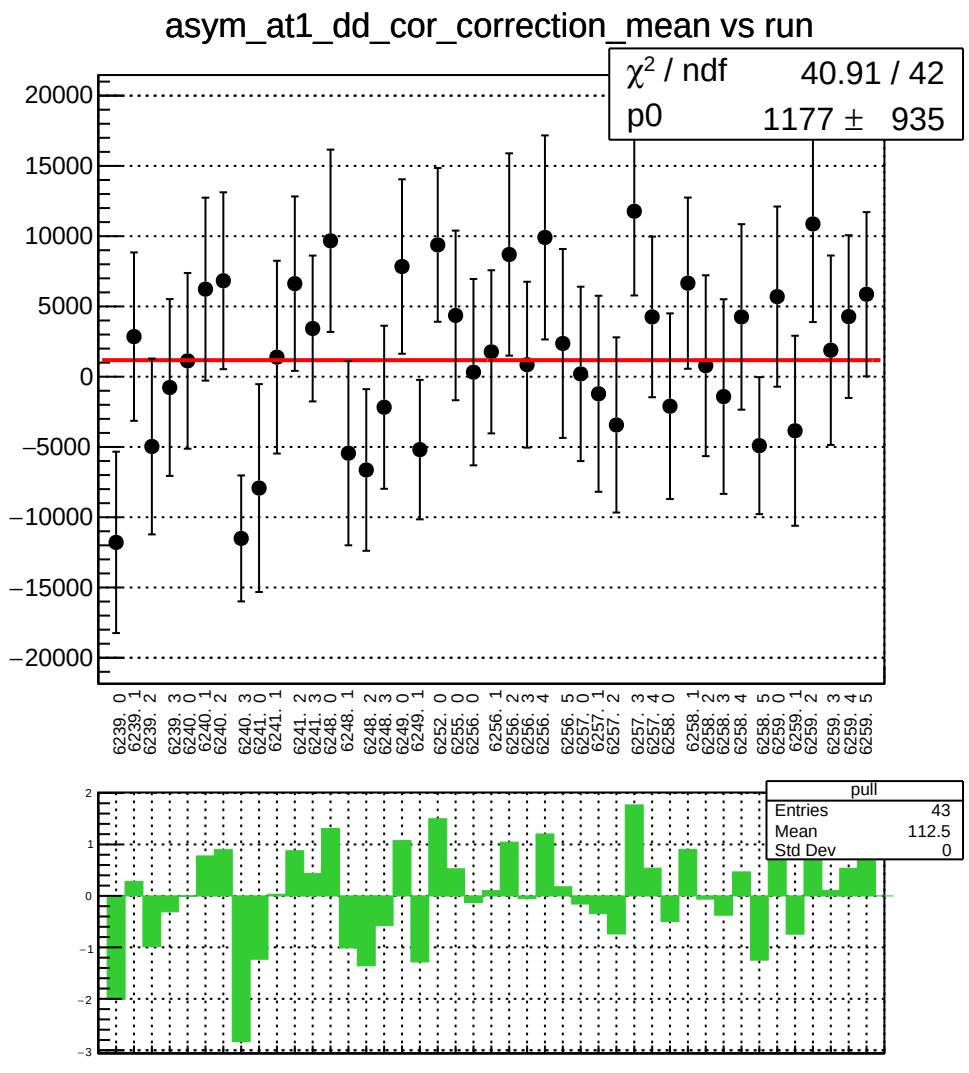

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 40.91 / 42
p0 1177 ± 935.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.4
Std Dev 0
2
1
0
−1
−2
−3

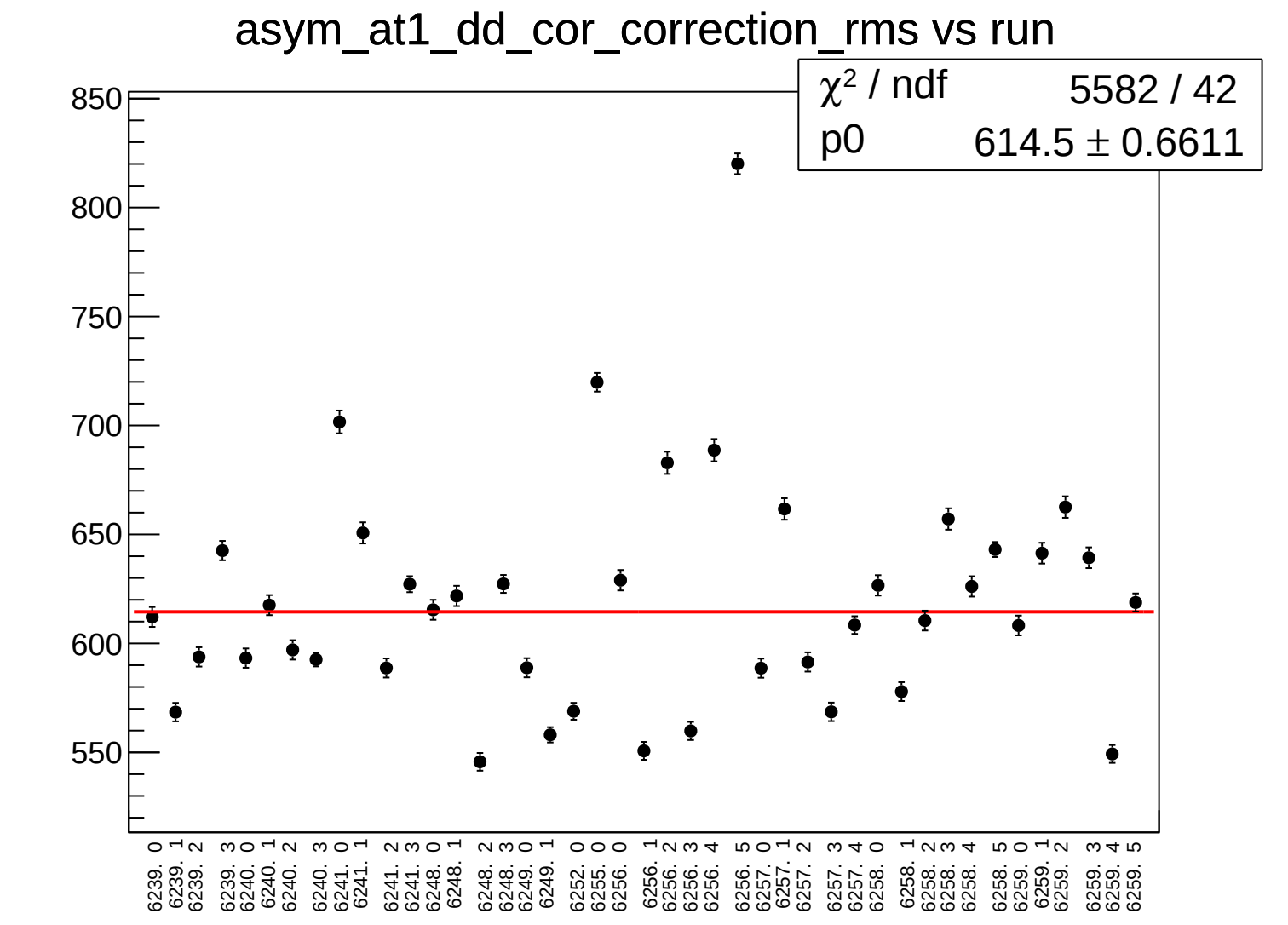

pull1D
Entries 43
Mean 0.03491
Std Dev 0.9748
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

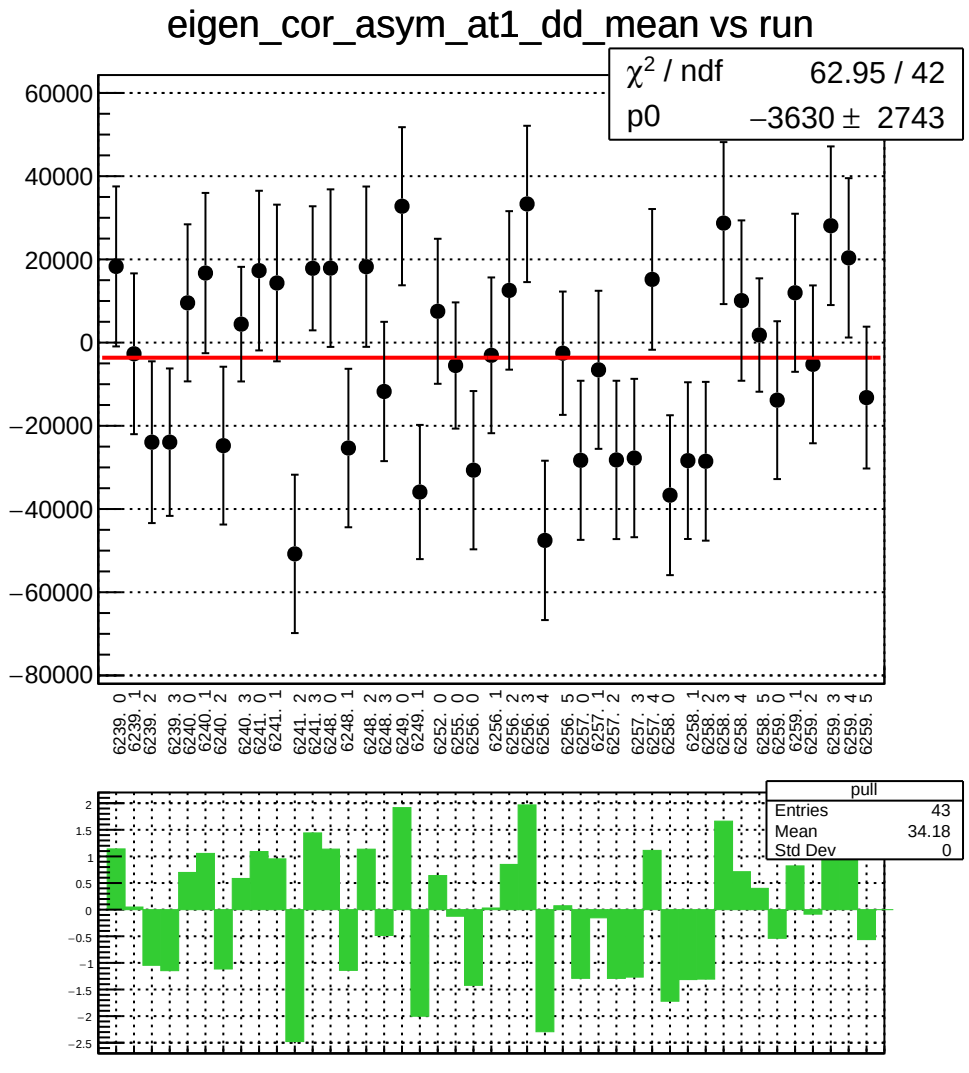

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 5580 / 42
p0 614.6 ± 0.6612
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

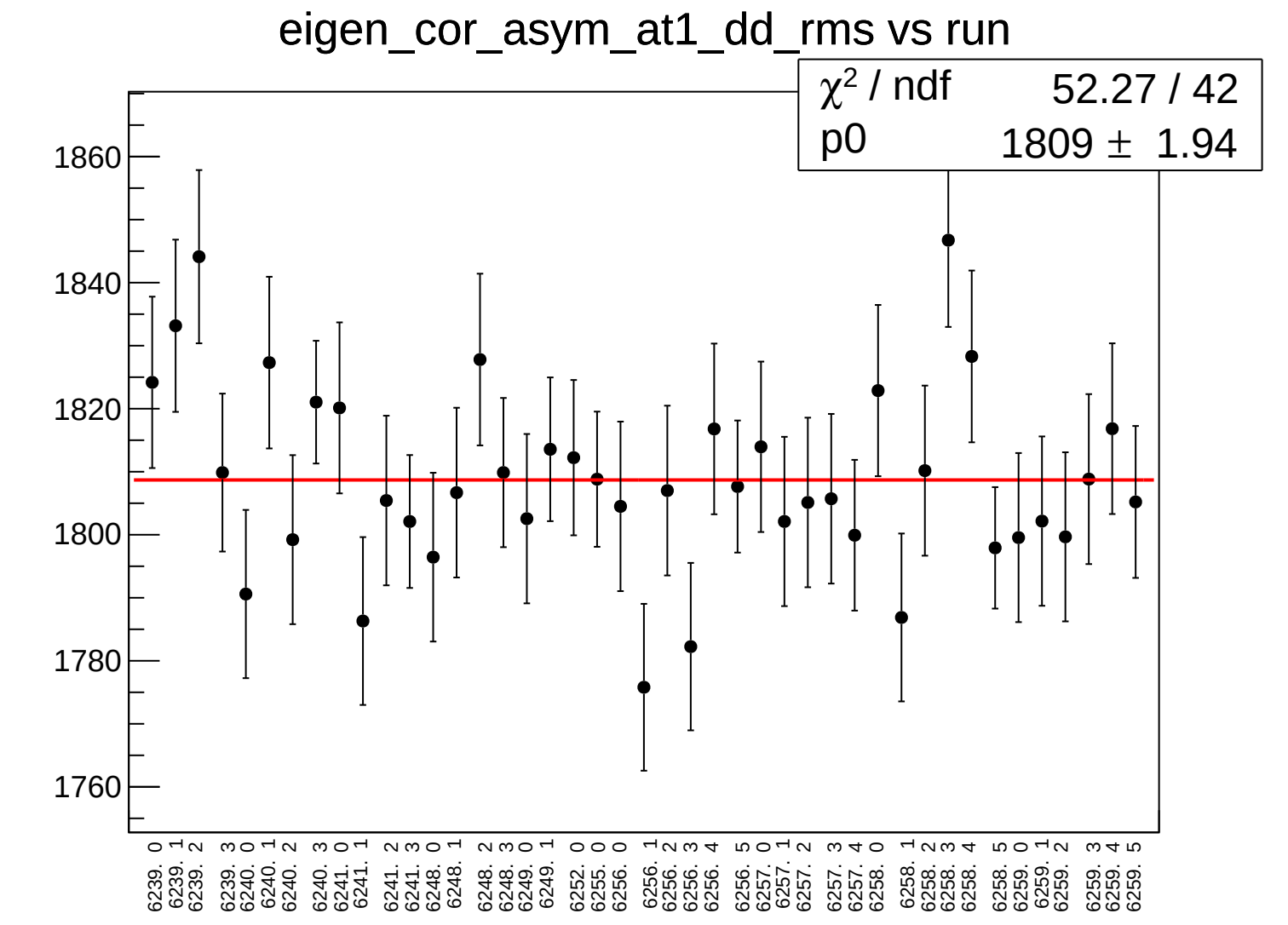

cor_asym_at1_dd_mean vs run
χ² / ndf 62.95 / 42
p0 −3630 ± 2743
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.008835
Std Dev 1.21
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

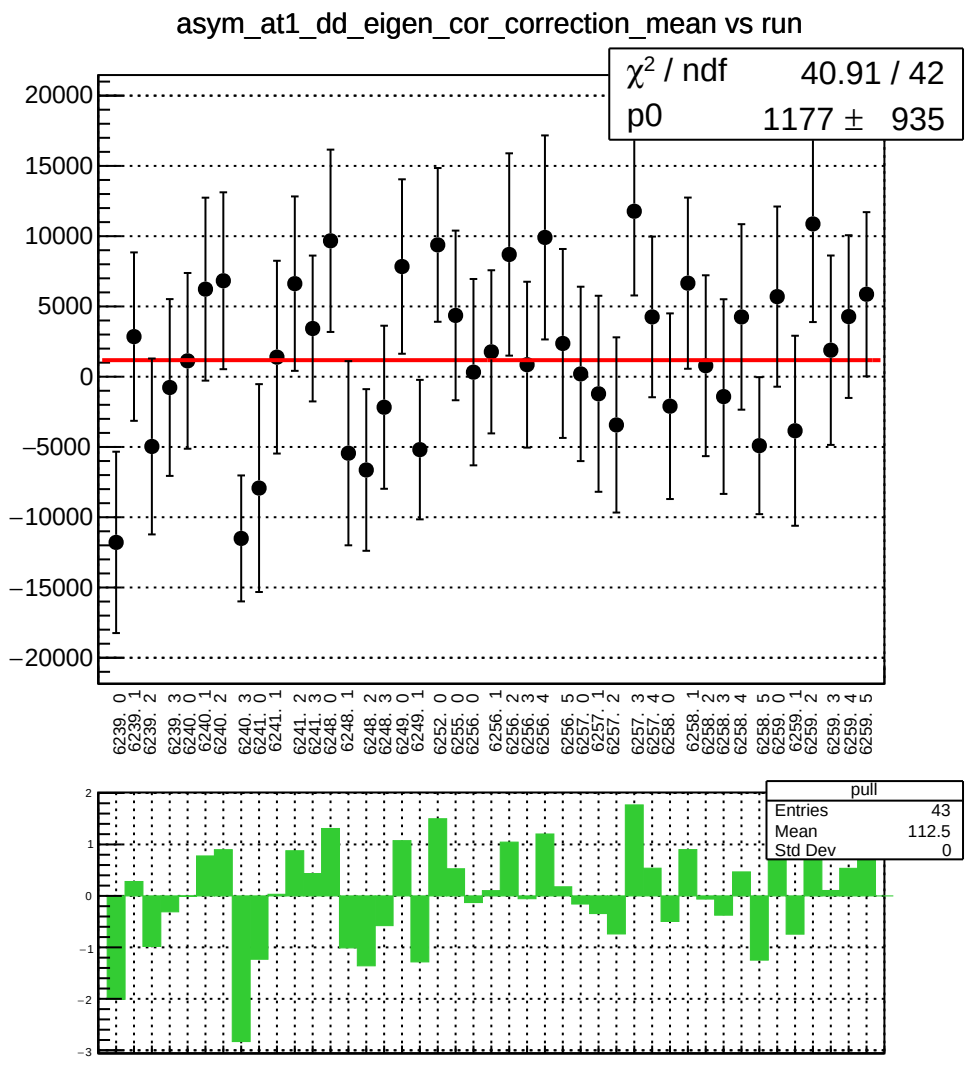

cor_asym_at1_dd_rms vs run
χ² / ndf 52.27 / 42
p0 1809 ± 1.94
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

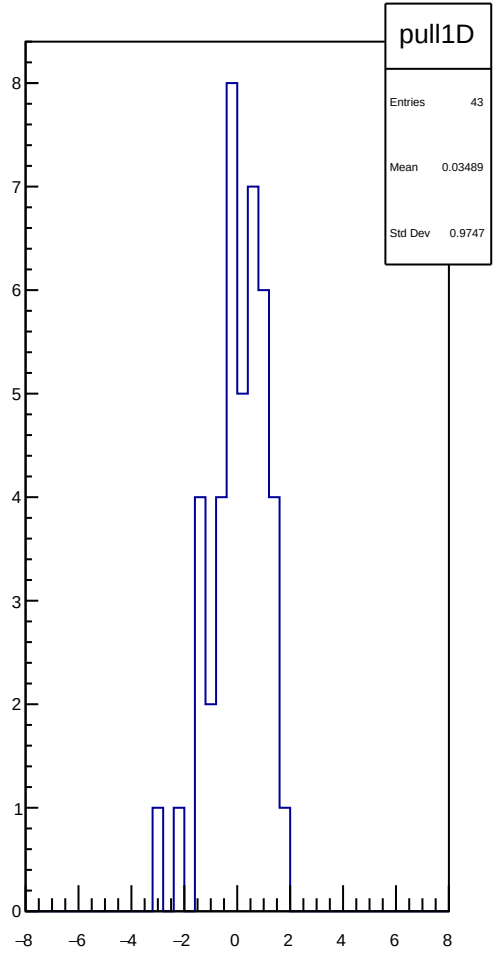

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 40.91 / 42
p0 1177 ± 935
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03489
Std Dev 0.9747
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

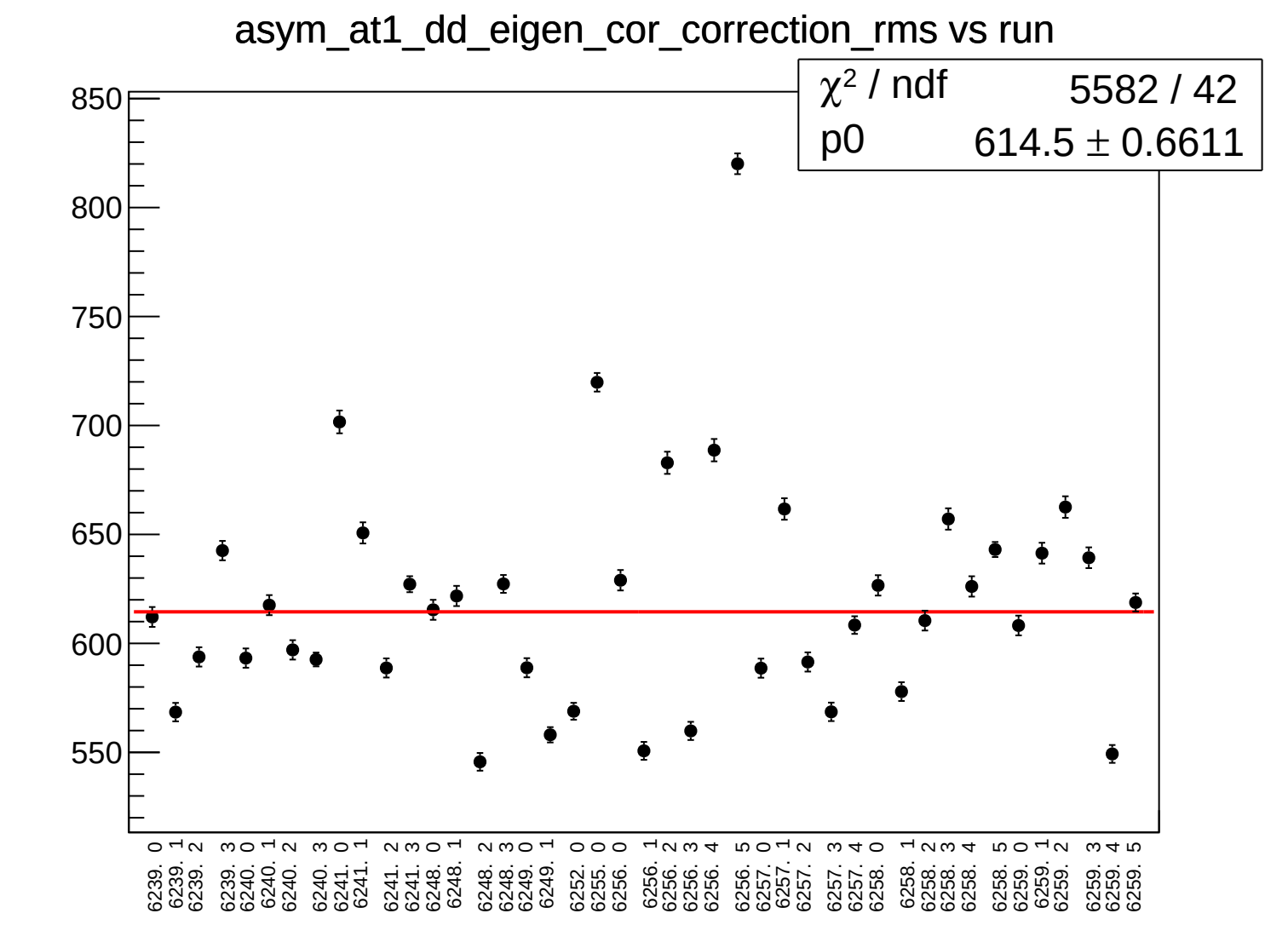

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 5582 / 42
p0 614.5 ± 0.6611
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

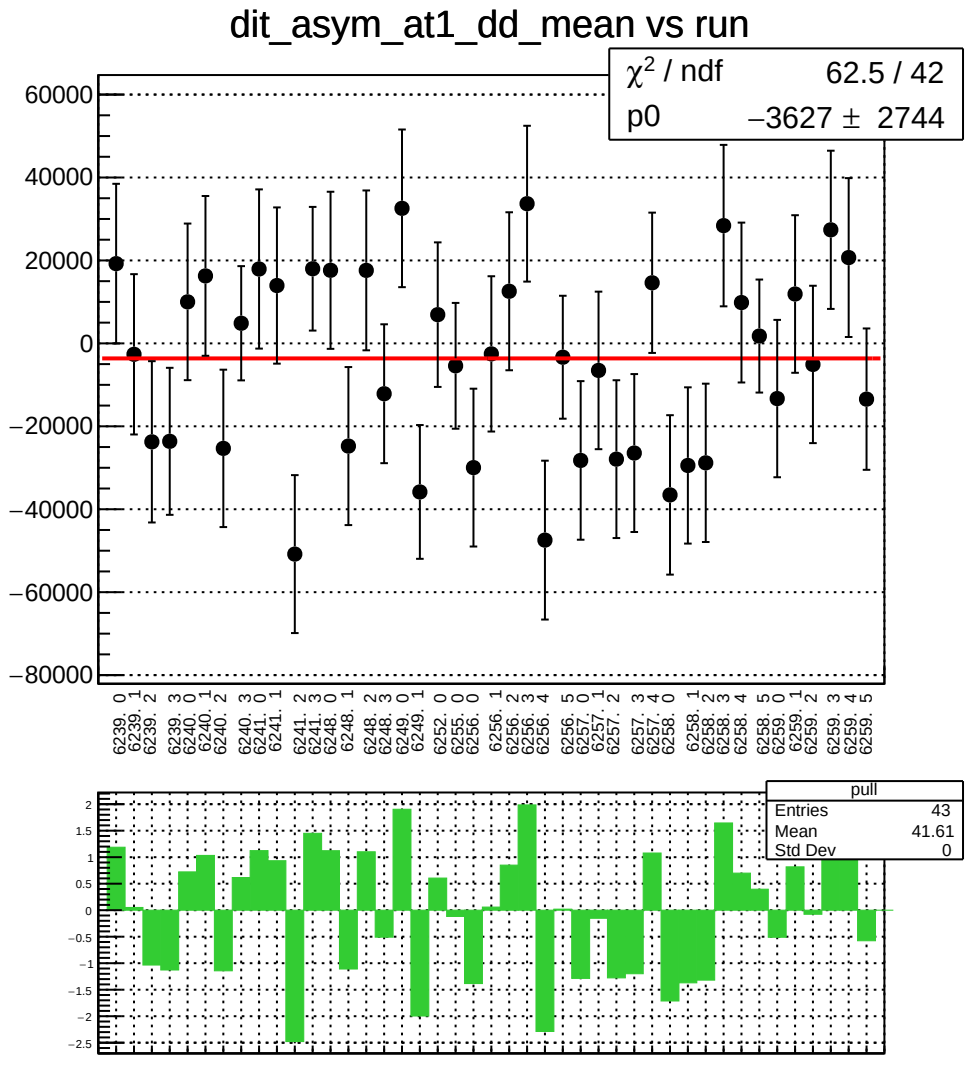

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 62.95 / 42
p0 −3630 ± 2743
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.008835
Std Dev 1.21
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

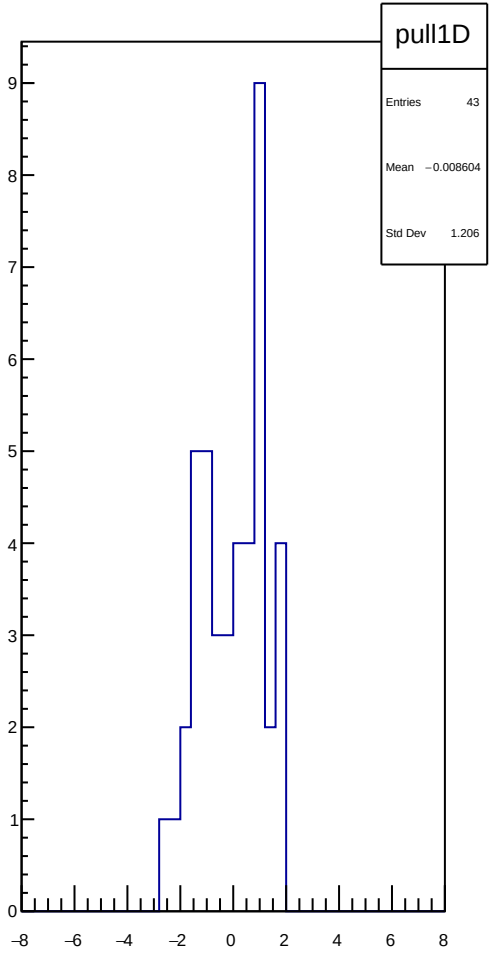

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 52.27 / 42
p0 1809 ± 1.94
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

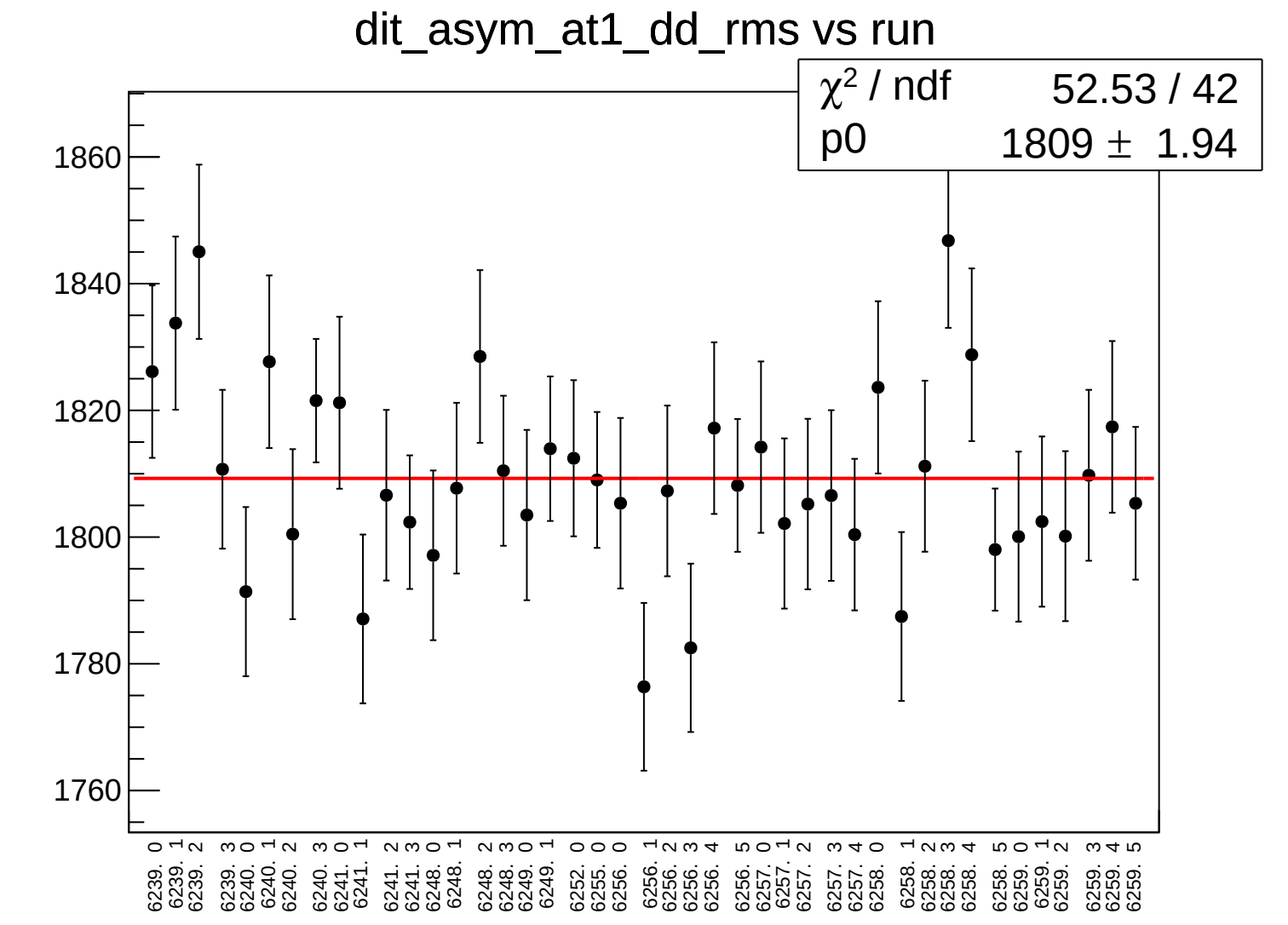

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.91 / 42
p0 1177 ± 935
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.5
Std Dev 0
2
1
0
−1
−2
−3

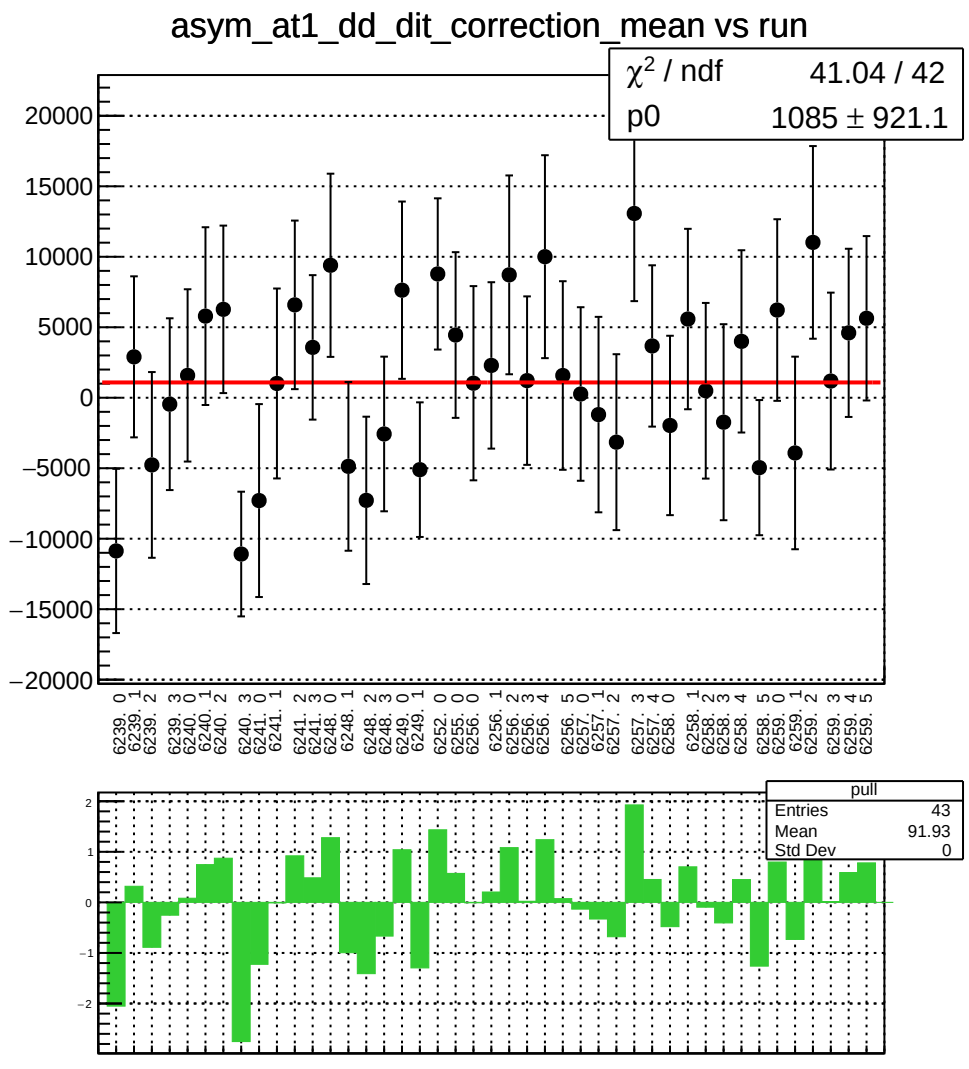

pull1D
Entries 43
Mean 0.03489
Std Dev 0.9747
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

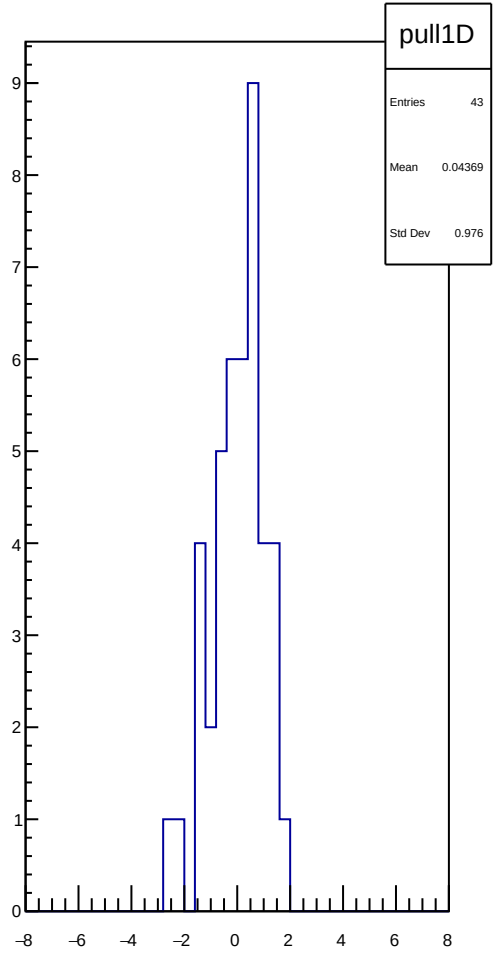

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5582 / 42
p0 614.5 ± 0.6611
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

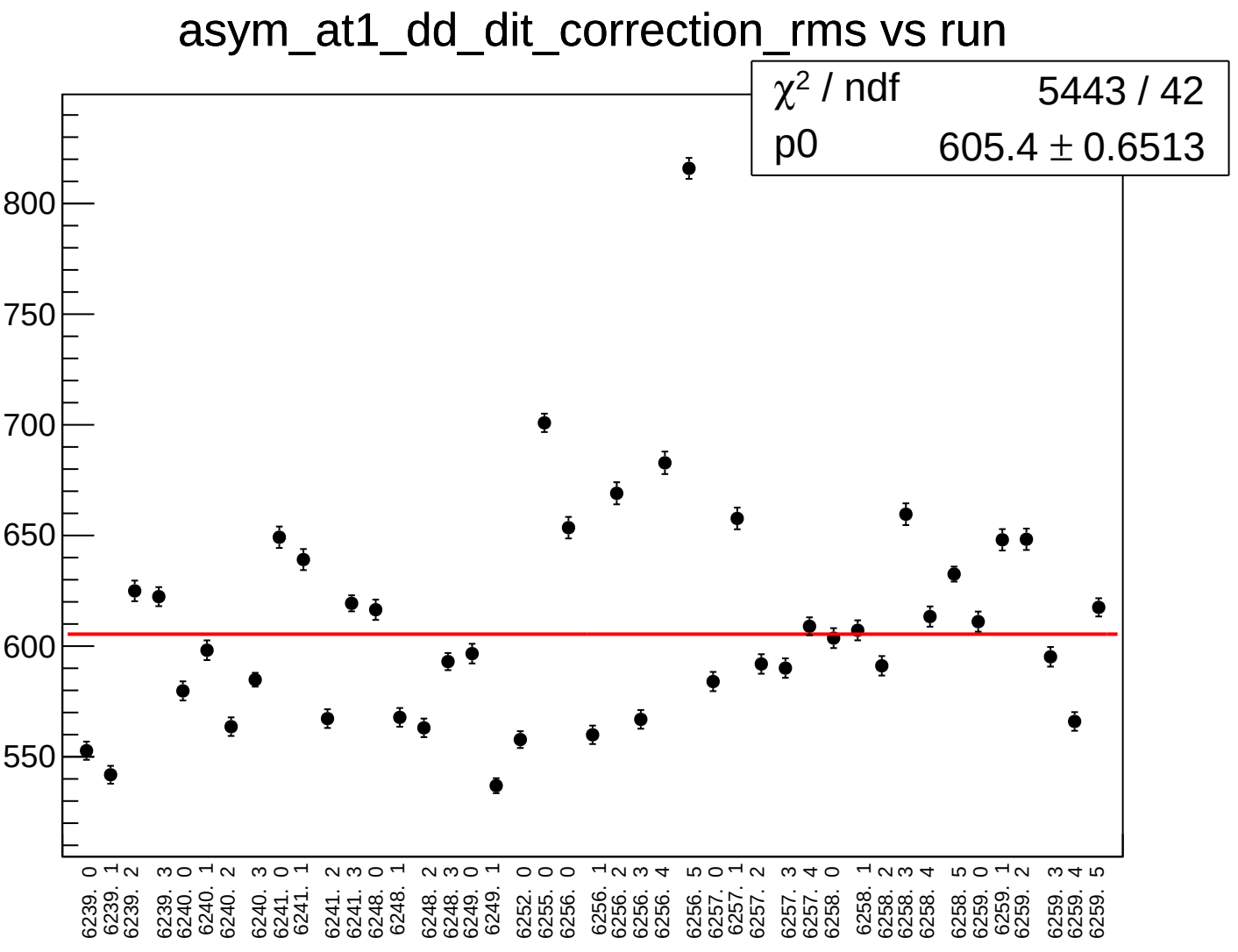

dit_asym_at1_dd_mean vs run
χ² / ndf 62.5 / 42
p0 −3627 ± 2744
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 41.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

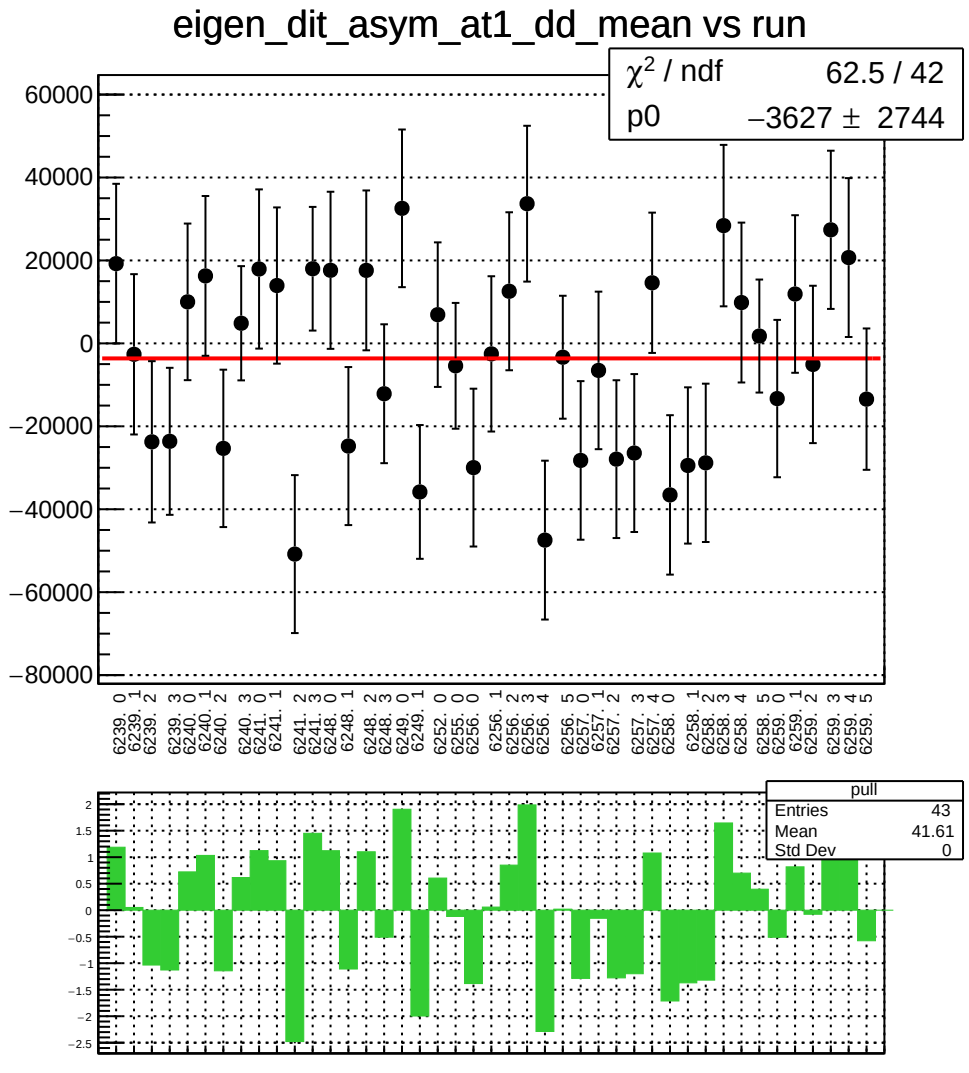

pull1D
Entries 43
Mean −0.008604
Std Dev 1.206
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

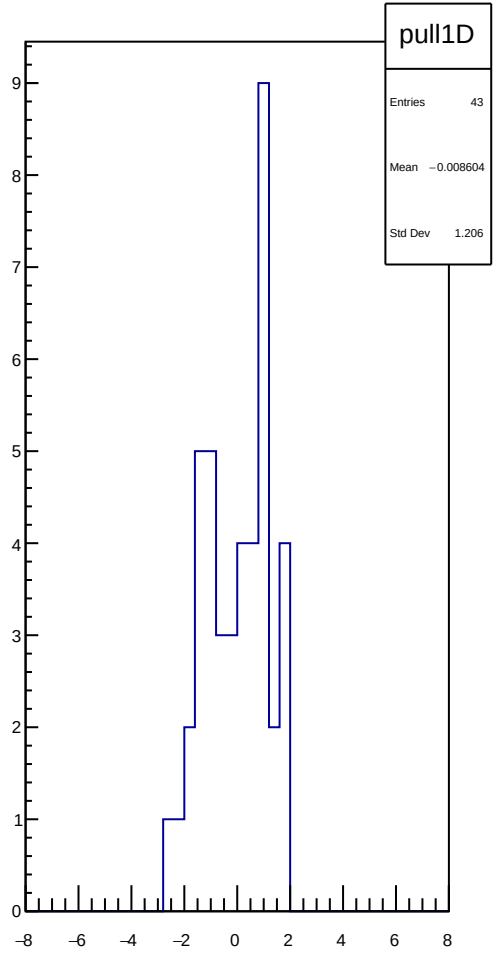

dit_asym_at1_dd_rms vs run
χ² / ndf 52.53 / 42
p0 1809 ± 1.94
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

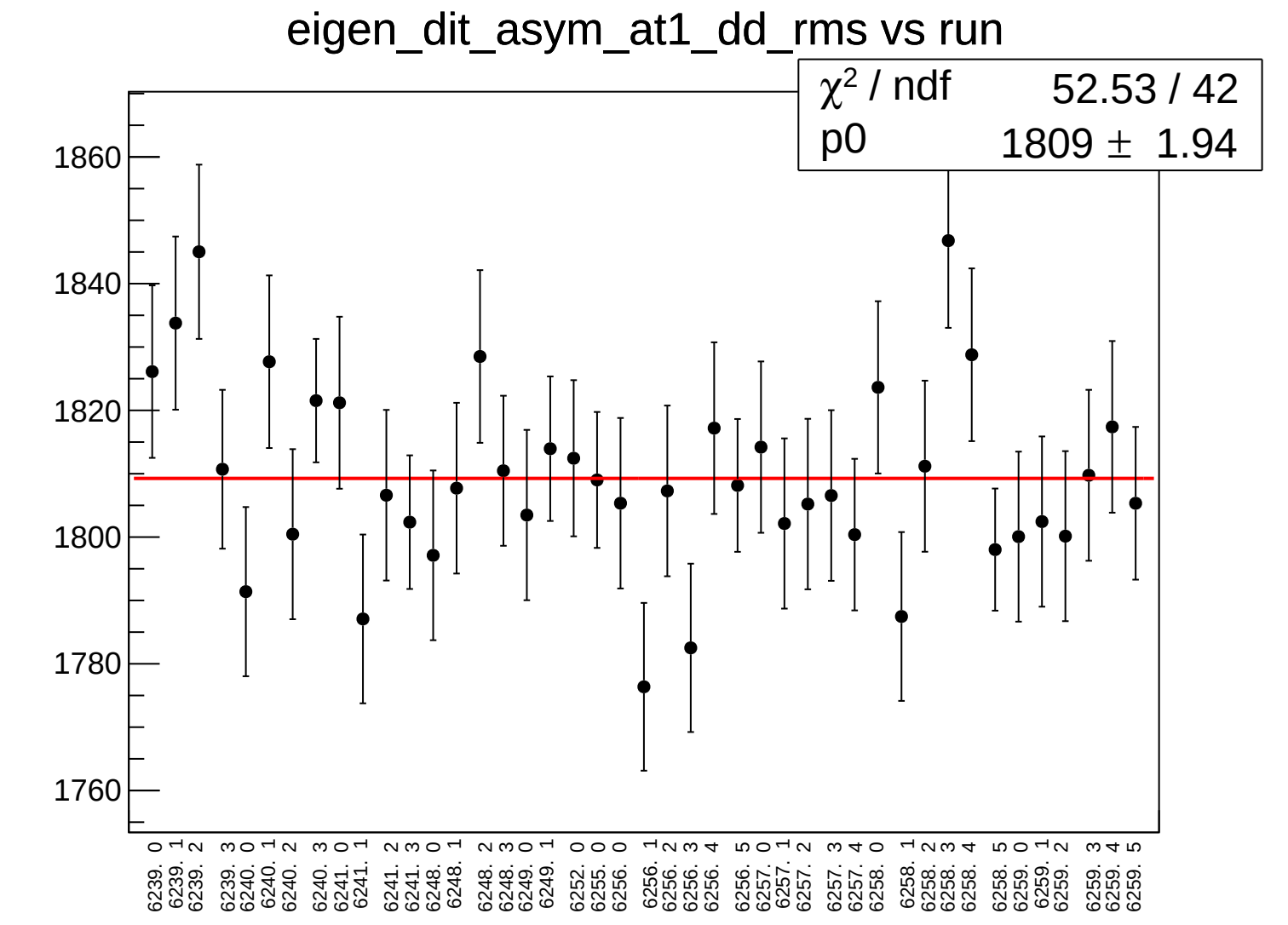

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 41.04 / 42
p0 1085 ± 921.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 91.93
Std Dev 0
2
1
0
−1
−2

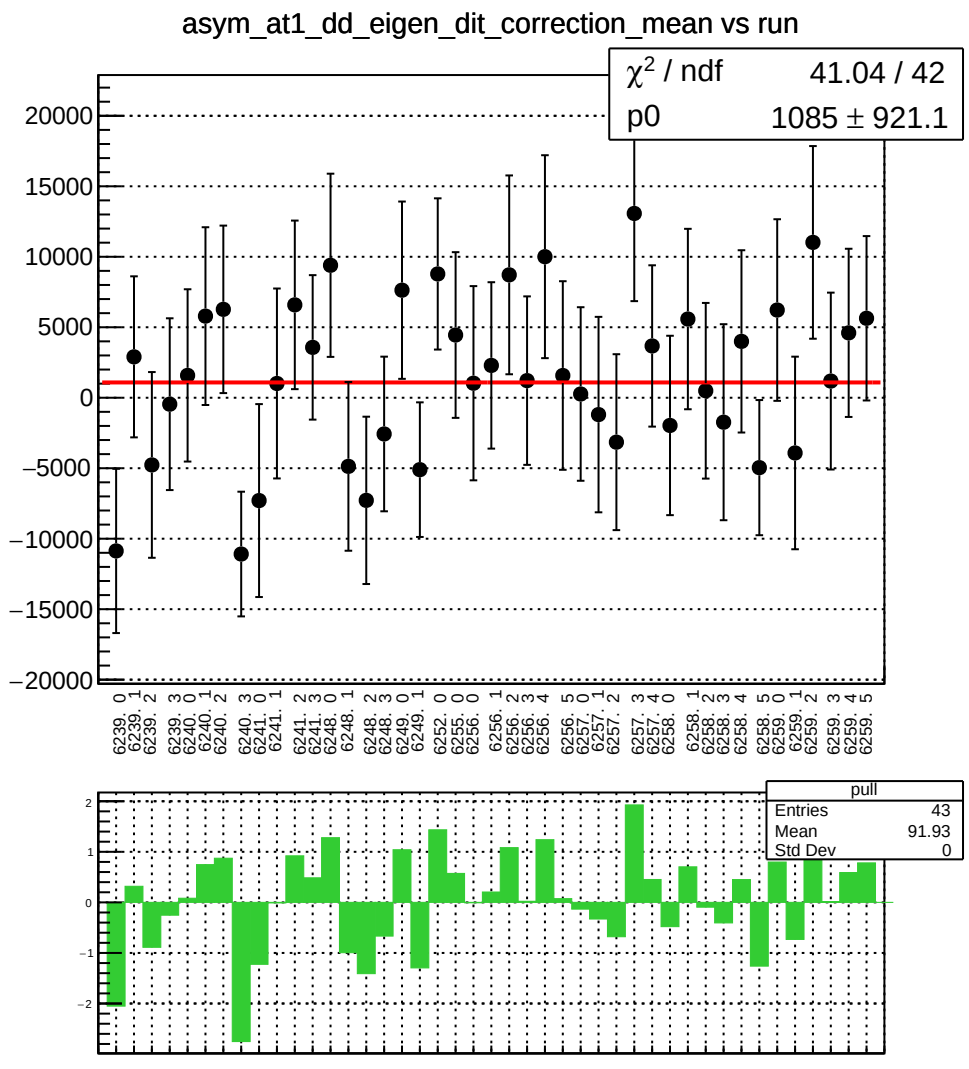

pull1D
Entries 43
Mean 0.04369
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

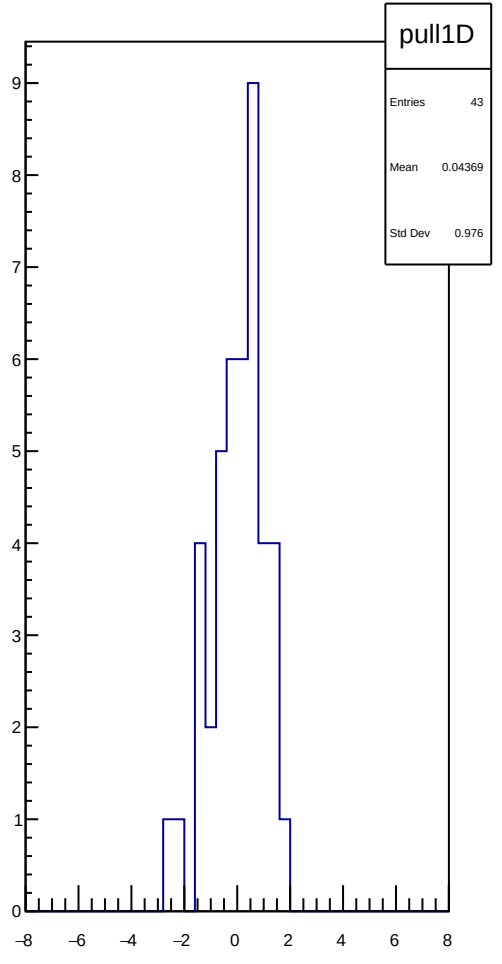

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 5443 / 42
p0 605.4 ± 0.6513
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

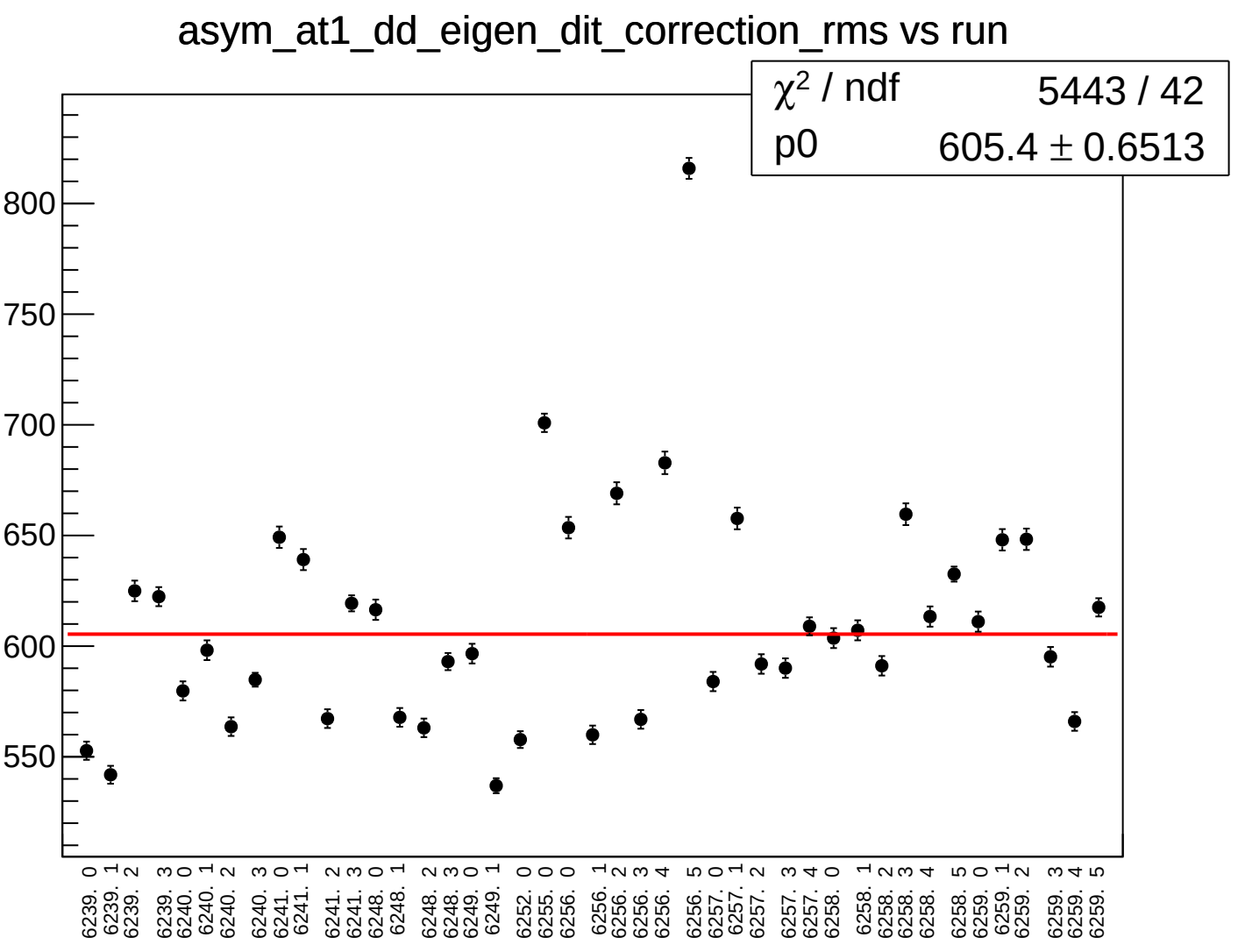

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 62.5 / 42
p0 −3627 ± 2744
pull
Entries 43
Mean 41.61
Std Dev 0

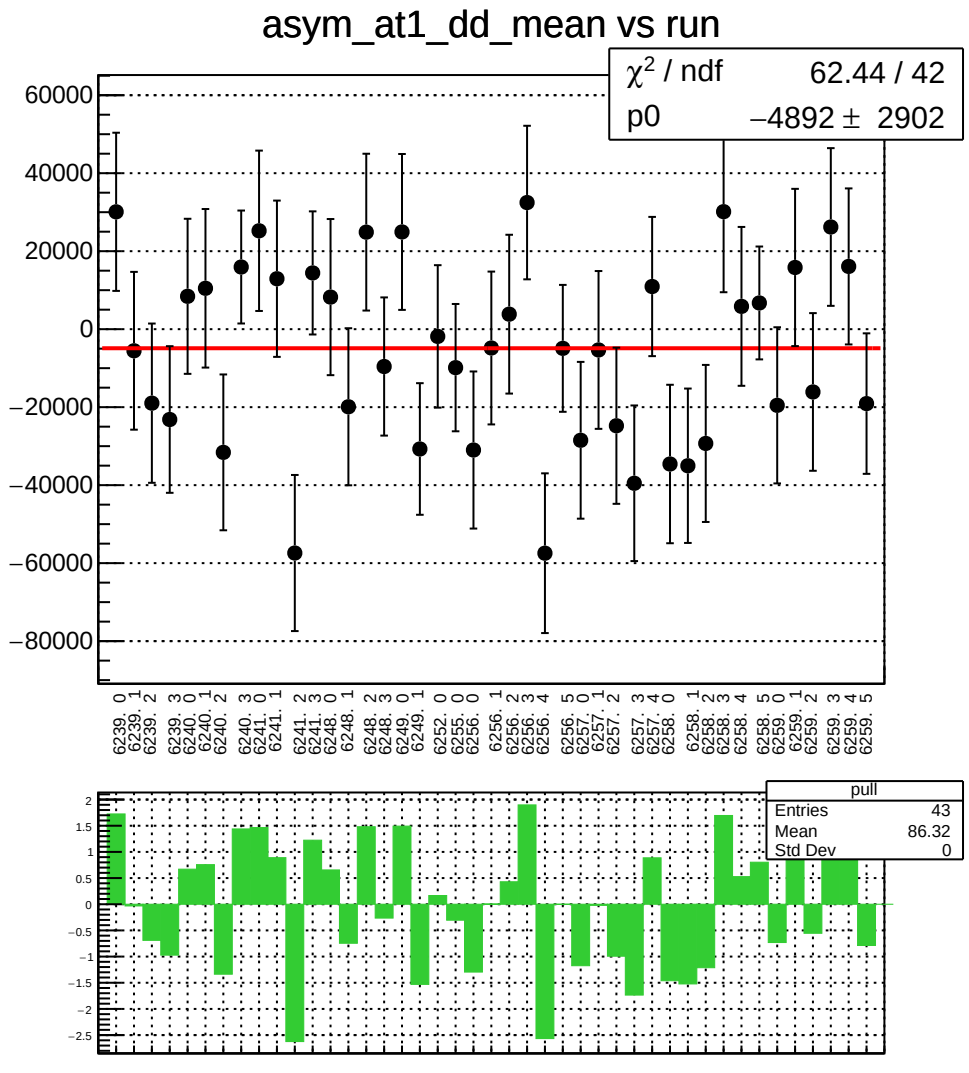

pull1D
Entries 43
Mean −0.008604
Std Dev 1.206

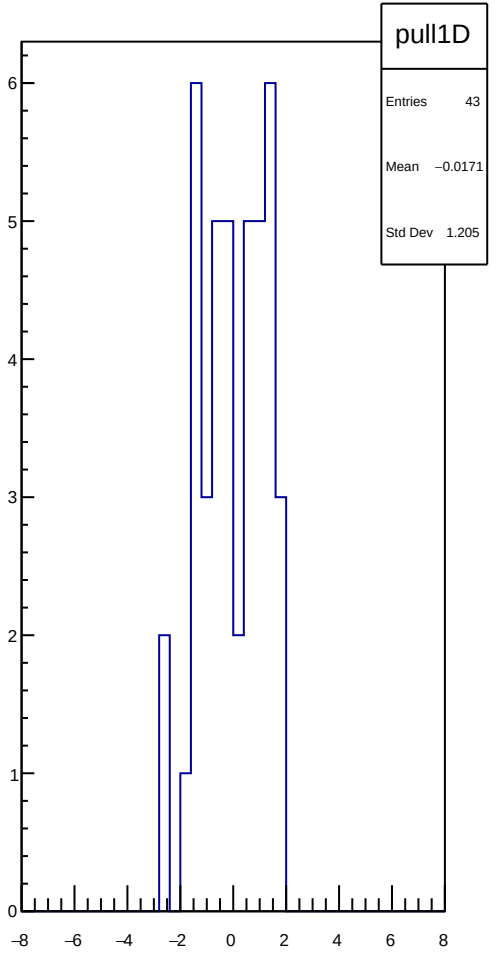

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 52.53 / 42
p0 1809 ± 1.94
1860
1840
1820
1800
1780
1760
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

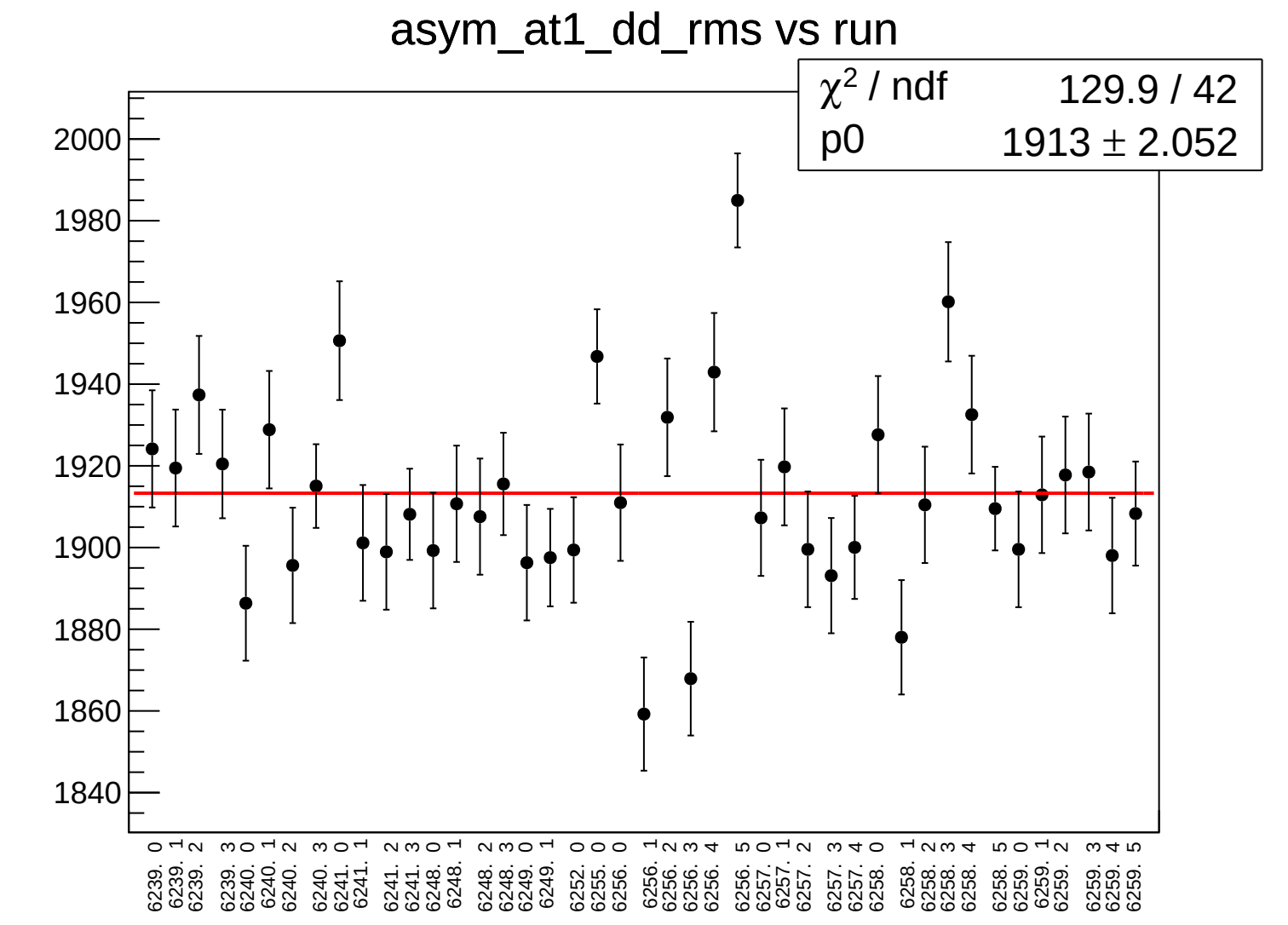

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.04 / 42
p0 1085 ± 921.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 91.93
Std Dev 0
2
1
0
−1
−2

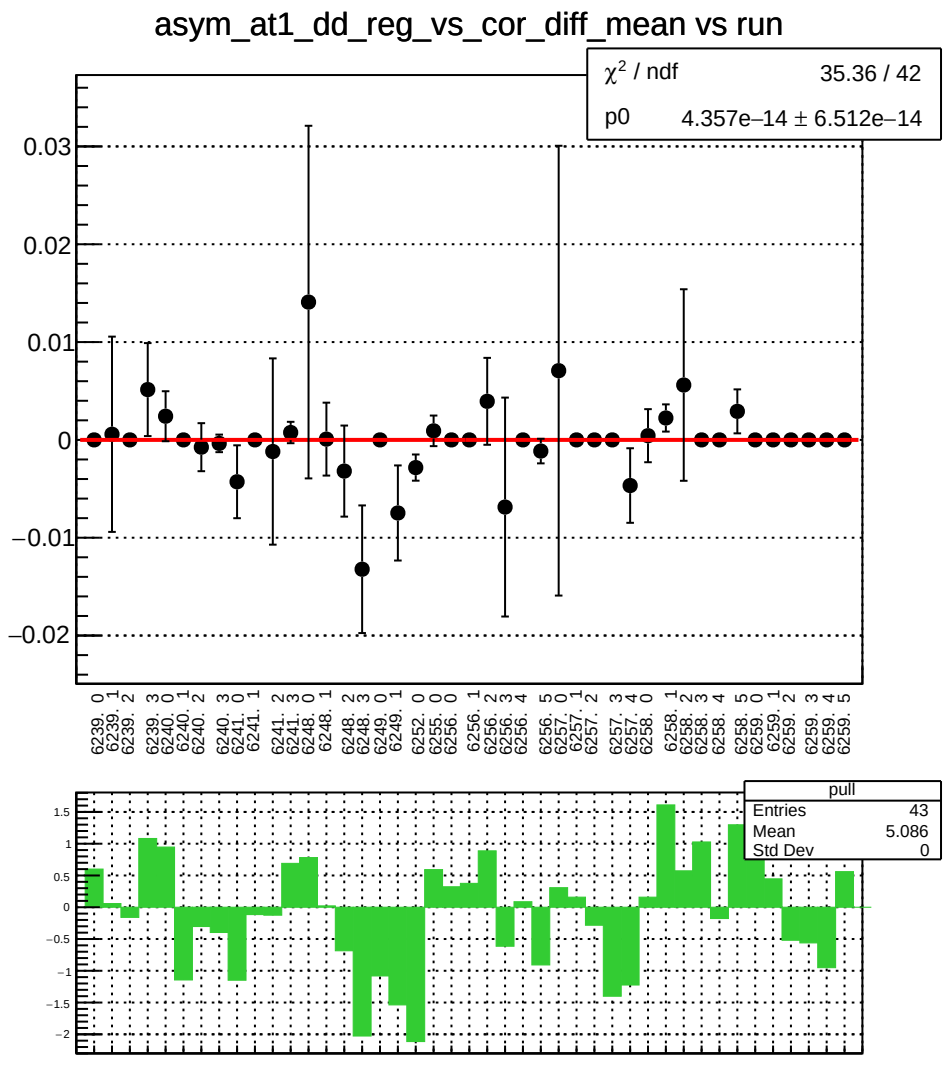

pull1D
Entries 43
Mean 0.04369
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

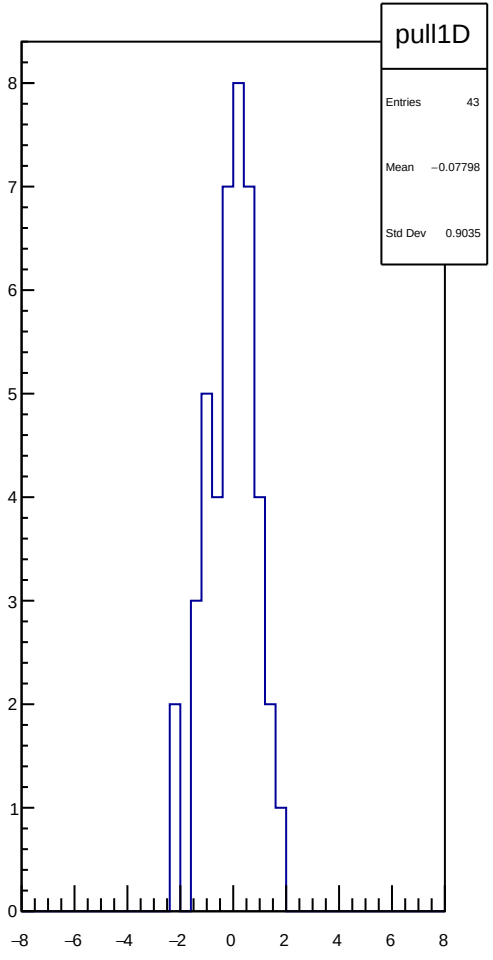

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5443 / 42
p0 605.4 ± 0.6513
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

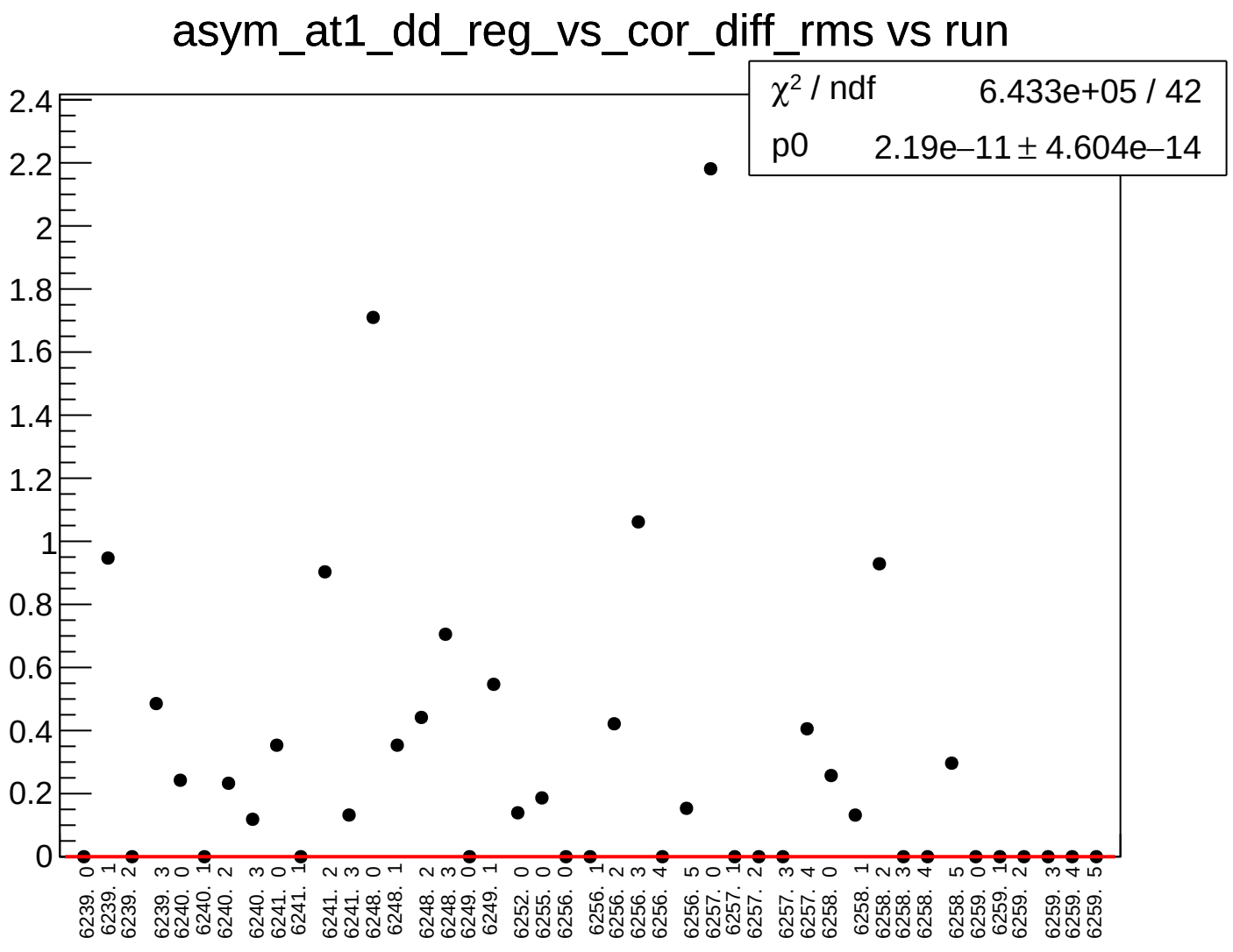

asym_at1_dd_mean vs run
χ² / ndf 62.44 / 42
p0 −4892 ± 2902
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

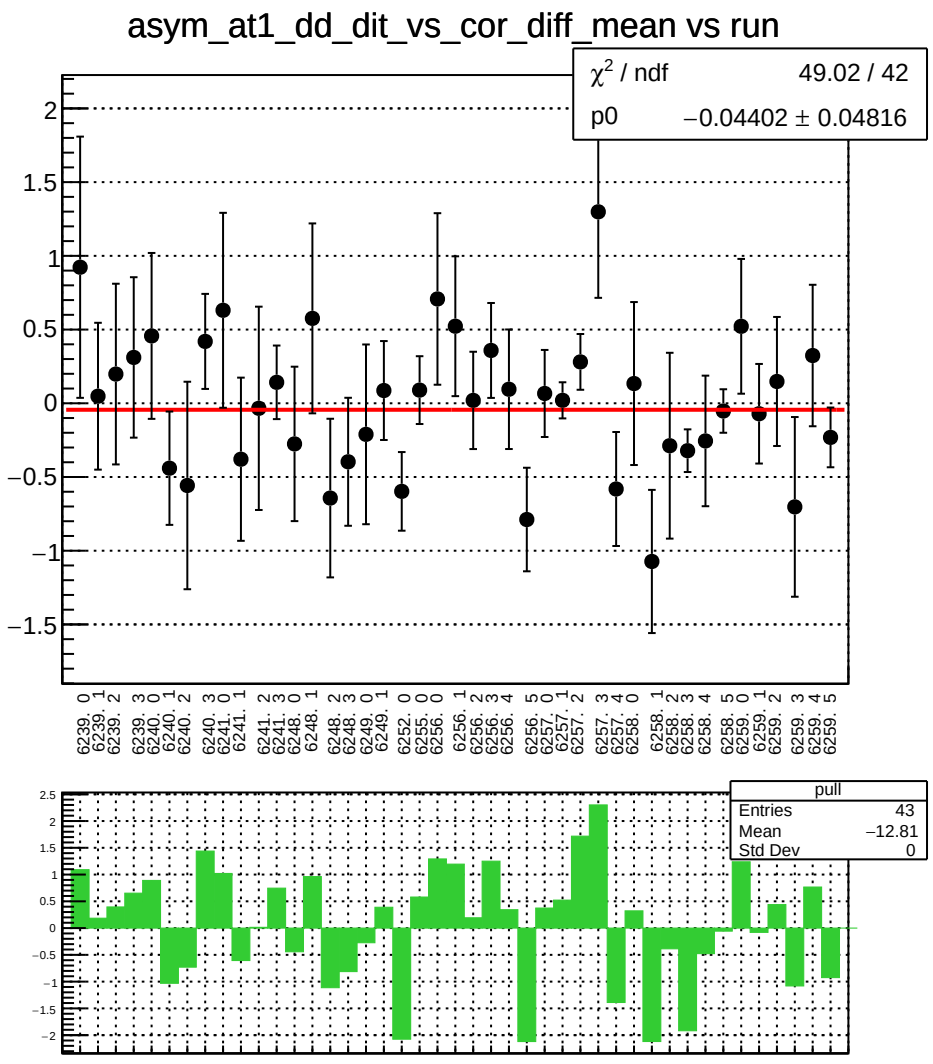

pull1D
Entries 43
Mean −0.0171
Std Dev 1.205
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

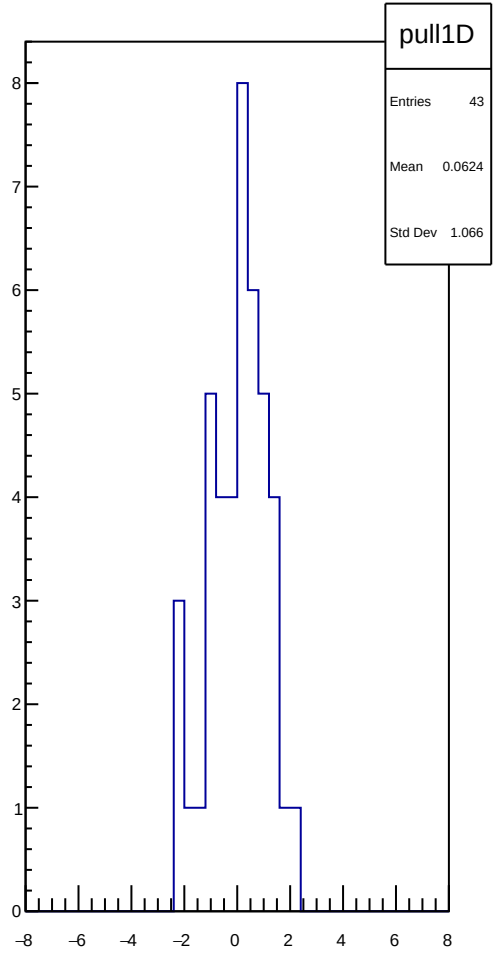

asym_at1_dd_rms vs run
$\chi^2$ / ndf 129.9 / 42
p0 1913 ± 2.052
2000
1980
1960
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

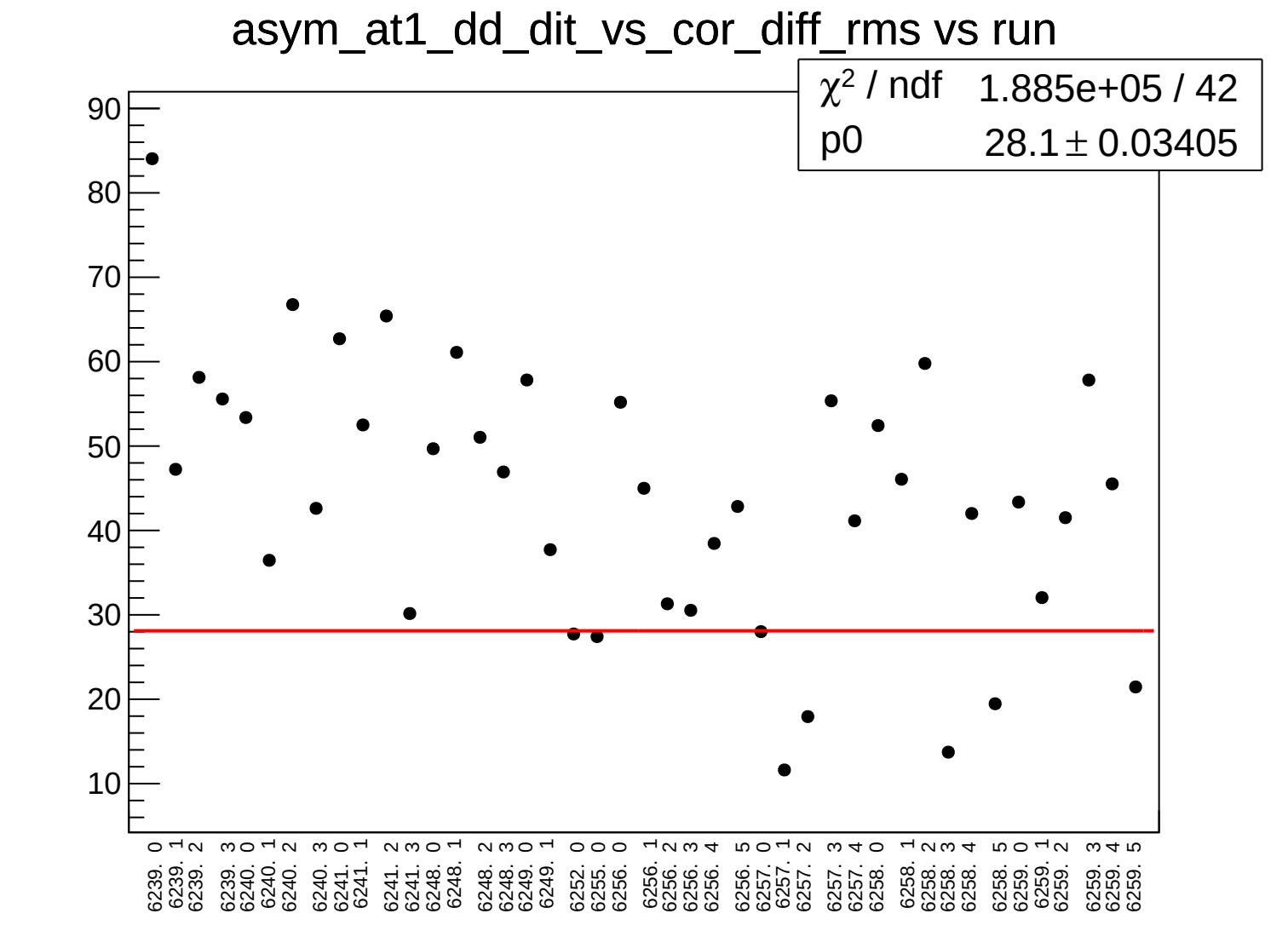

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.36 / 42
p0 4.357e−14 ± 6.512e−14
0.03
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.086
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

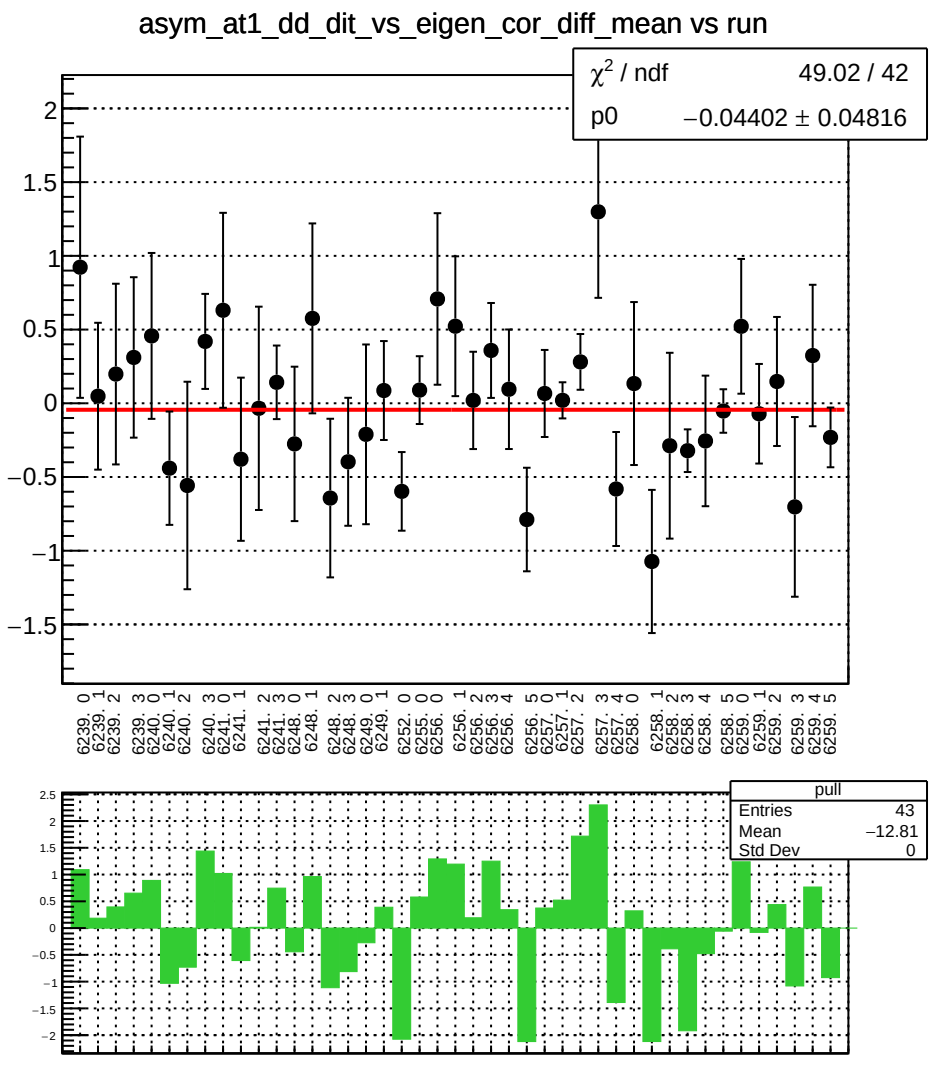

pull1D
Entries 43
Mean −0.07798
Std Dev 0.9035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

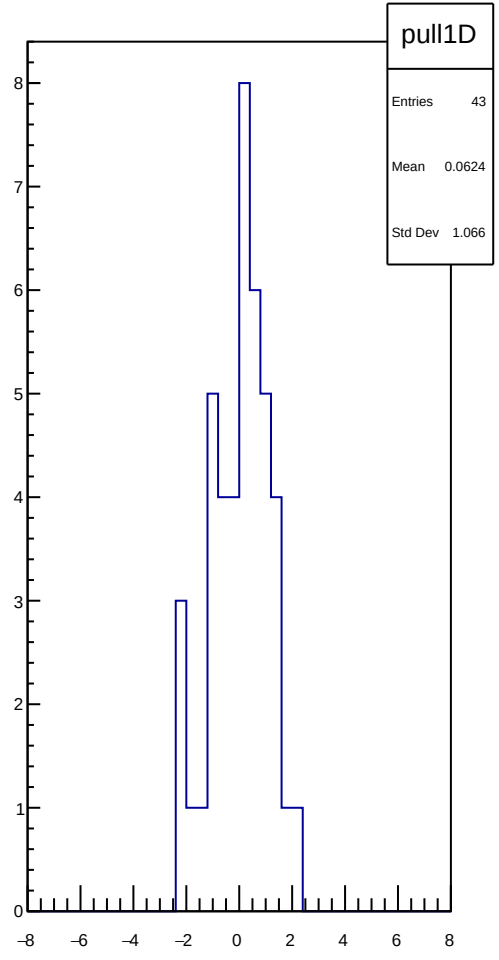

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.433e+05 / 42
p0 2.19e−11 ± 4.604e−14
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

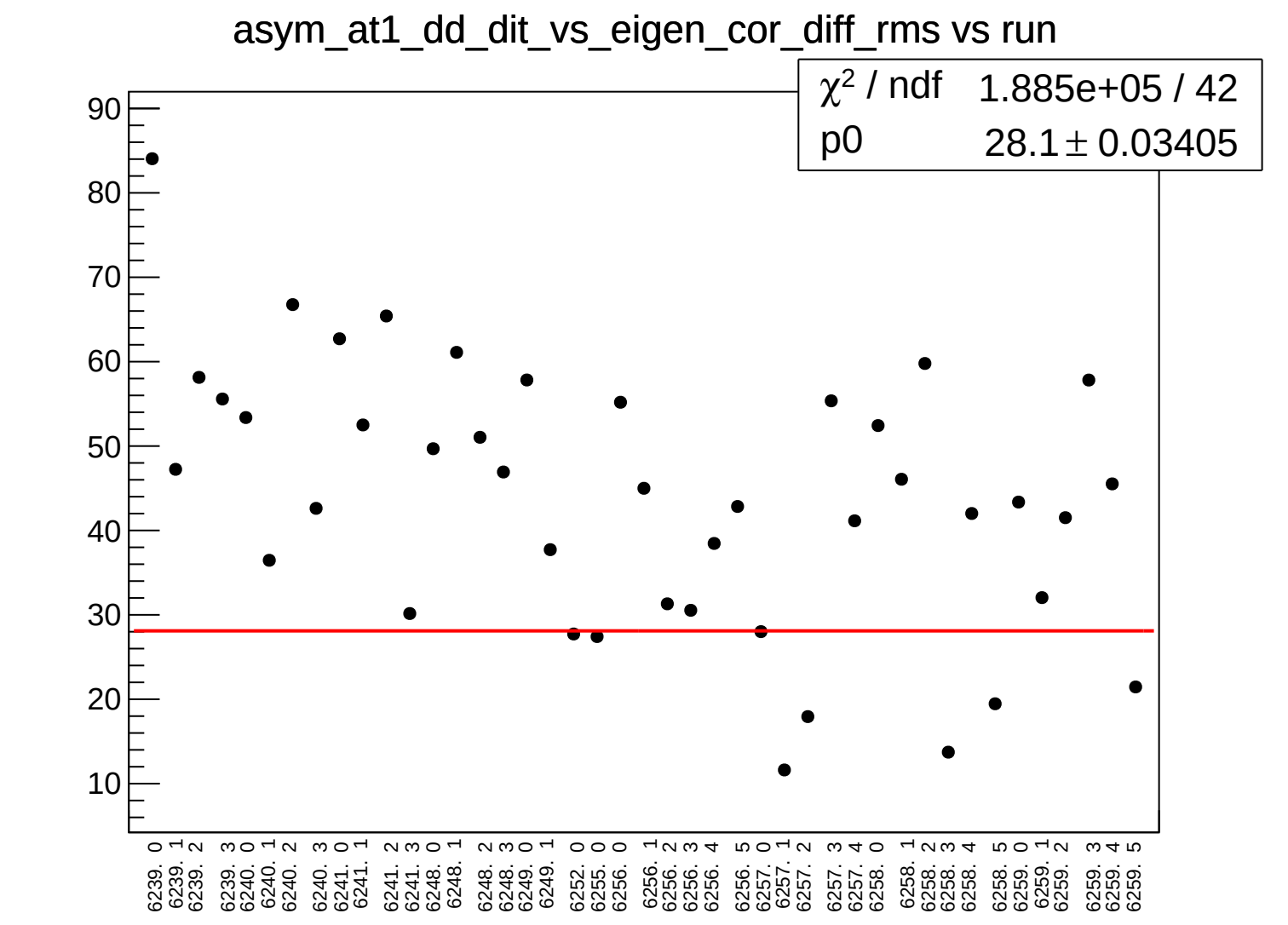

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.02 / 42
p0 −0.04402 ± 0.04816
pull
Entries 43
Mean −12.81
Std Dev 0

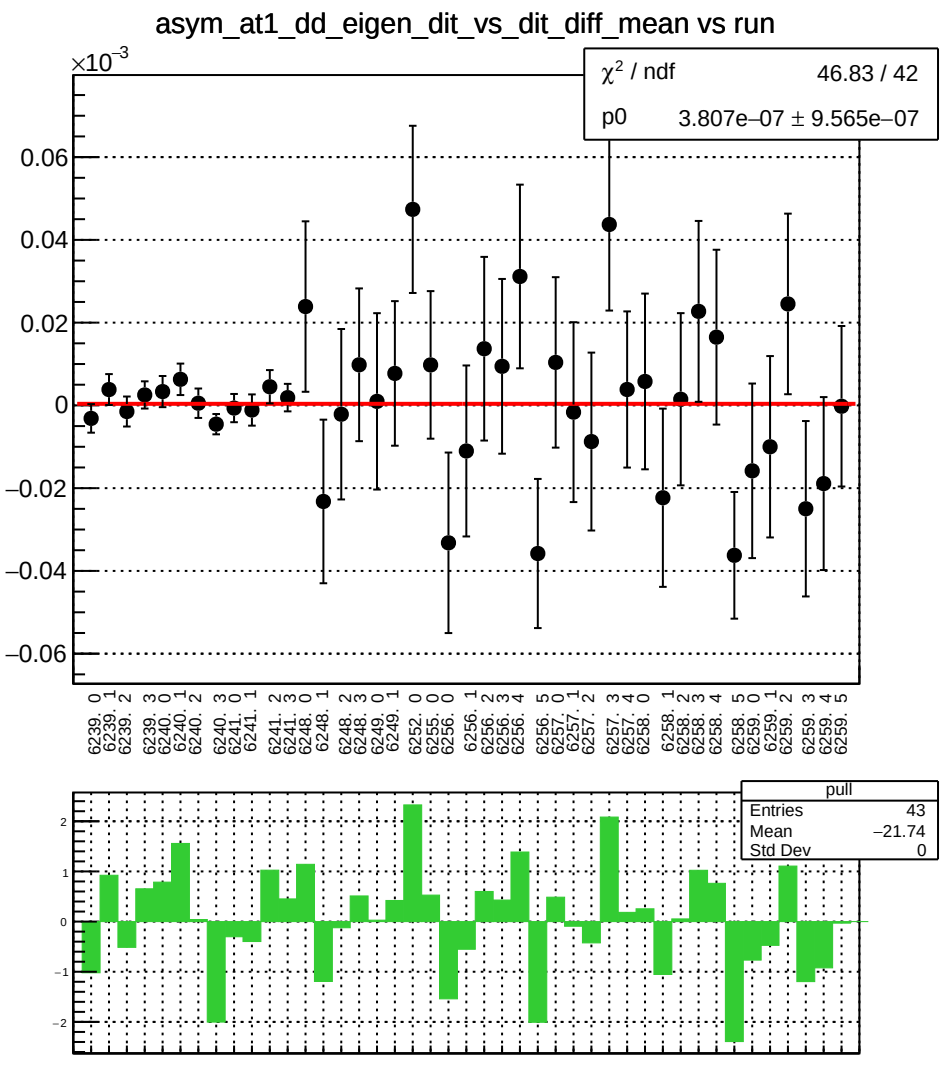

pull1D
Entries 43
Mean 0.0624
Std Dev 1.066

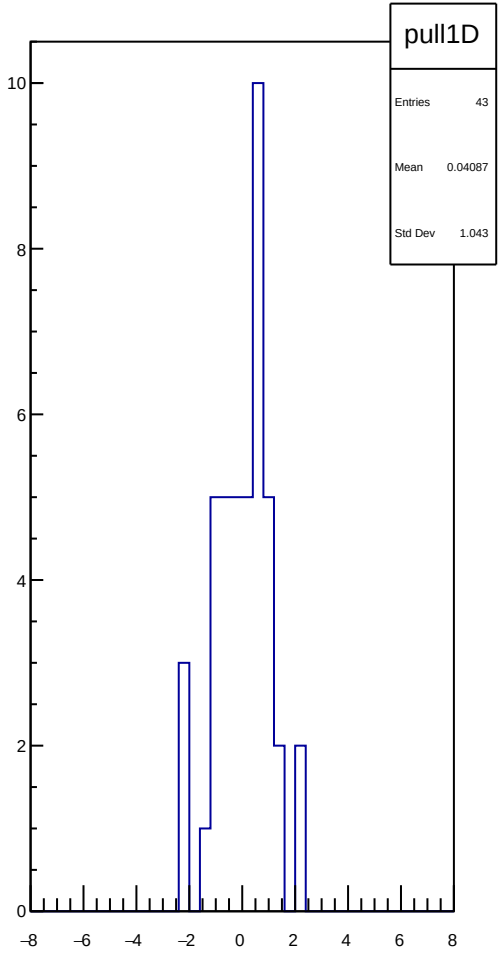

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.885e+05 / 42
p0 28.1 ± 0.03405
90
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

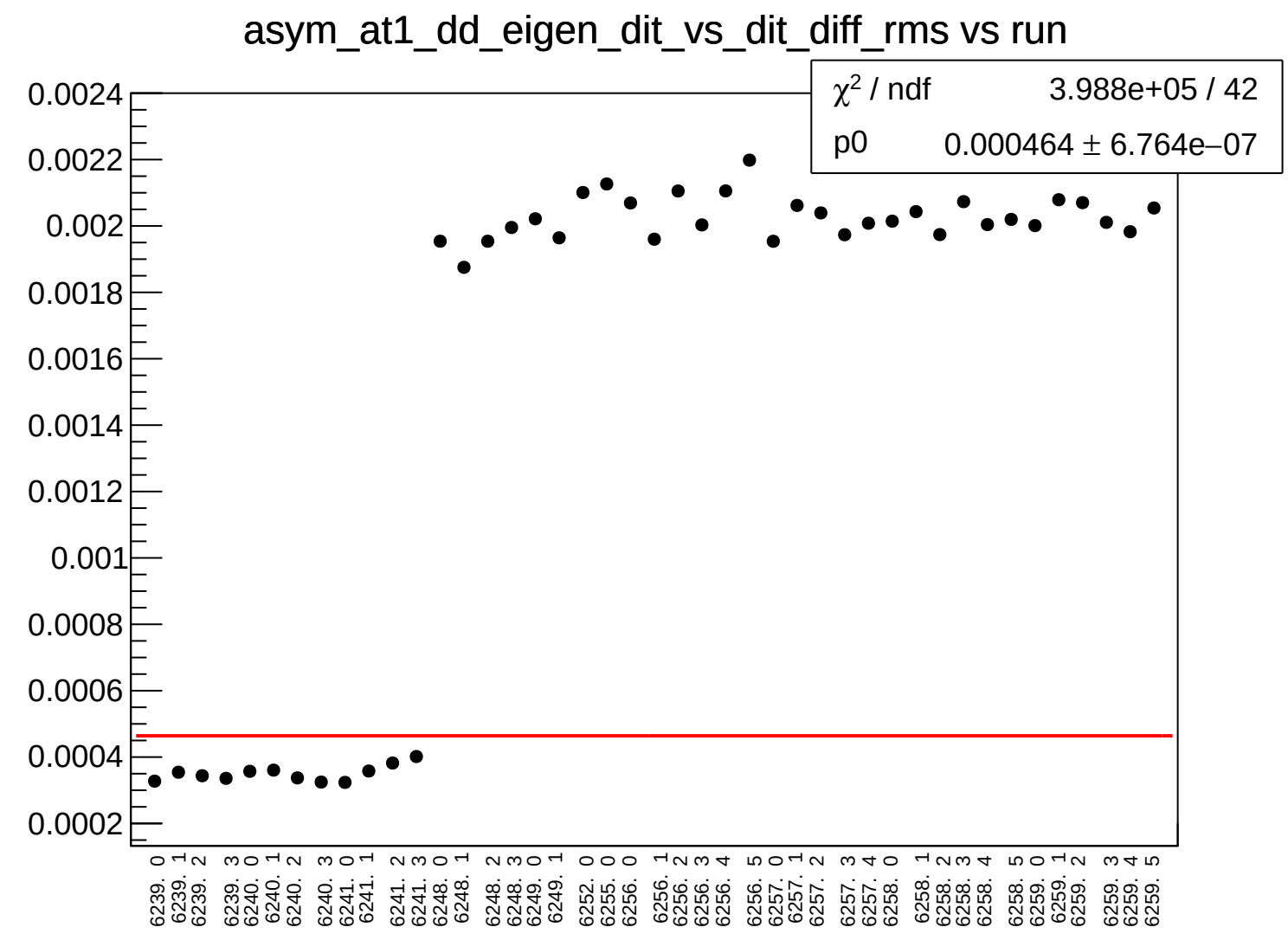

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.02 / 42
p0 −0.04402 ± 0.04816
pull
Entries 43
Mean −12.81
Std Dev 0


pull1D
Entries 43
Mean 0.0624
Std Dev 1.066

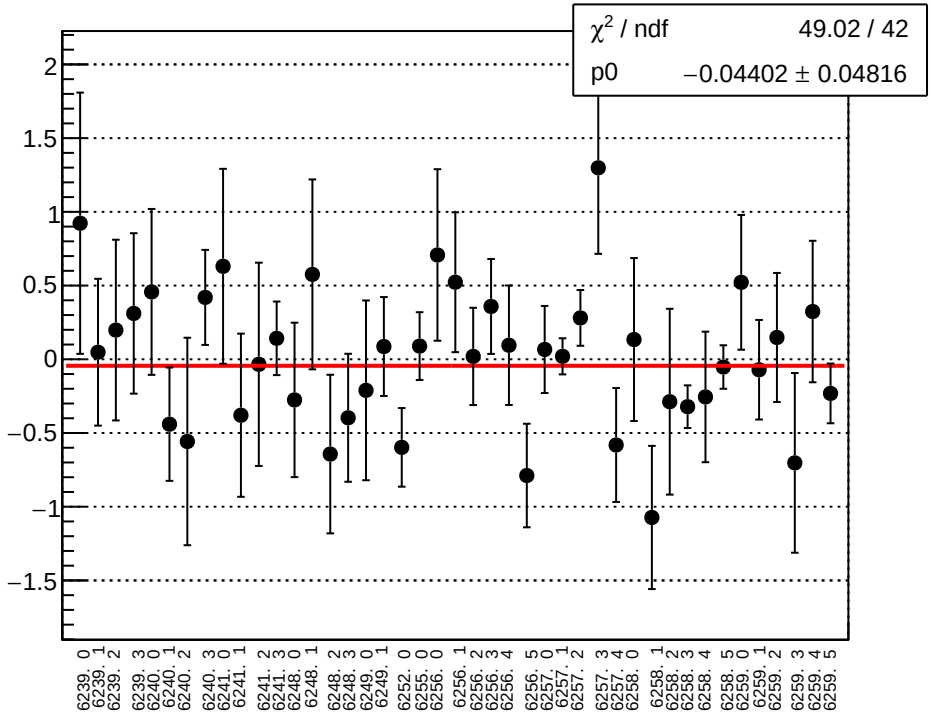

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.885e+05 / 42
p0 28.1 ± 0.03405
90
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

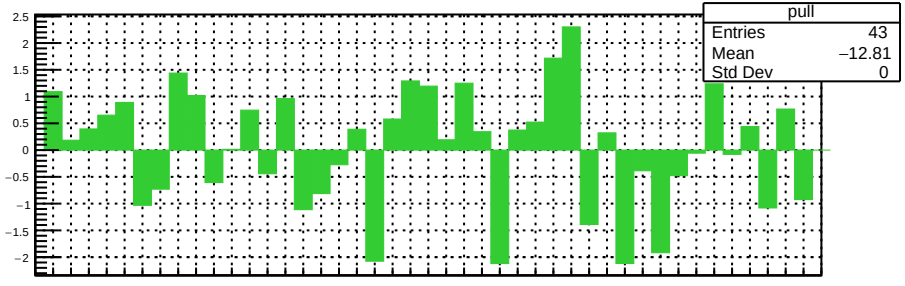

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.83 / 42
p0 3.807e−07 ± 9.565e−07
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −21.74
Std Dev 0
2
1
0
−1
−2

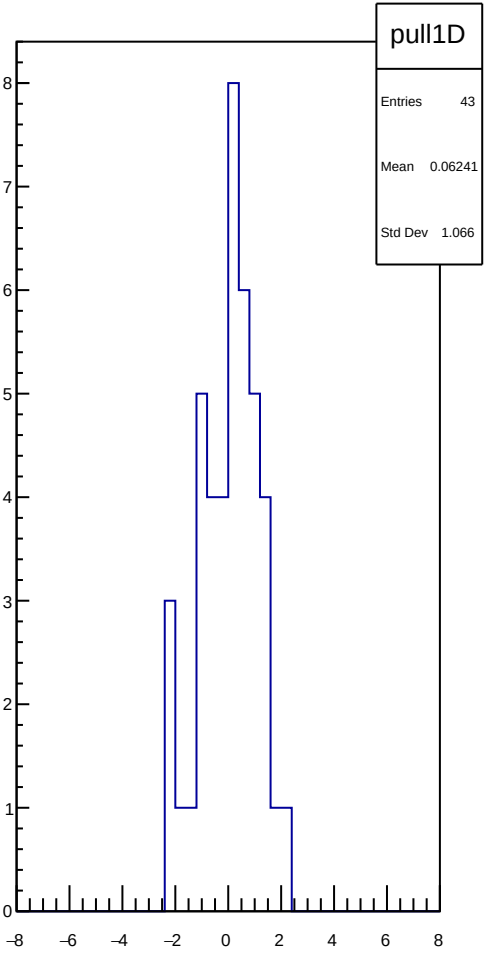

pull1D
Entries 43
Mean 0.04087
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

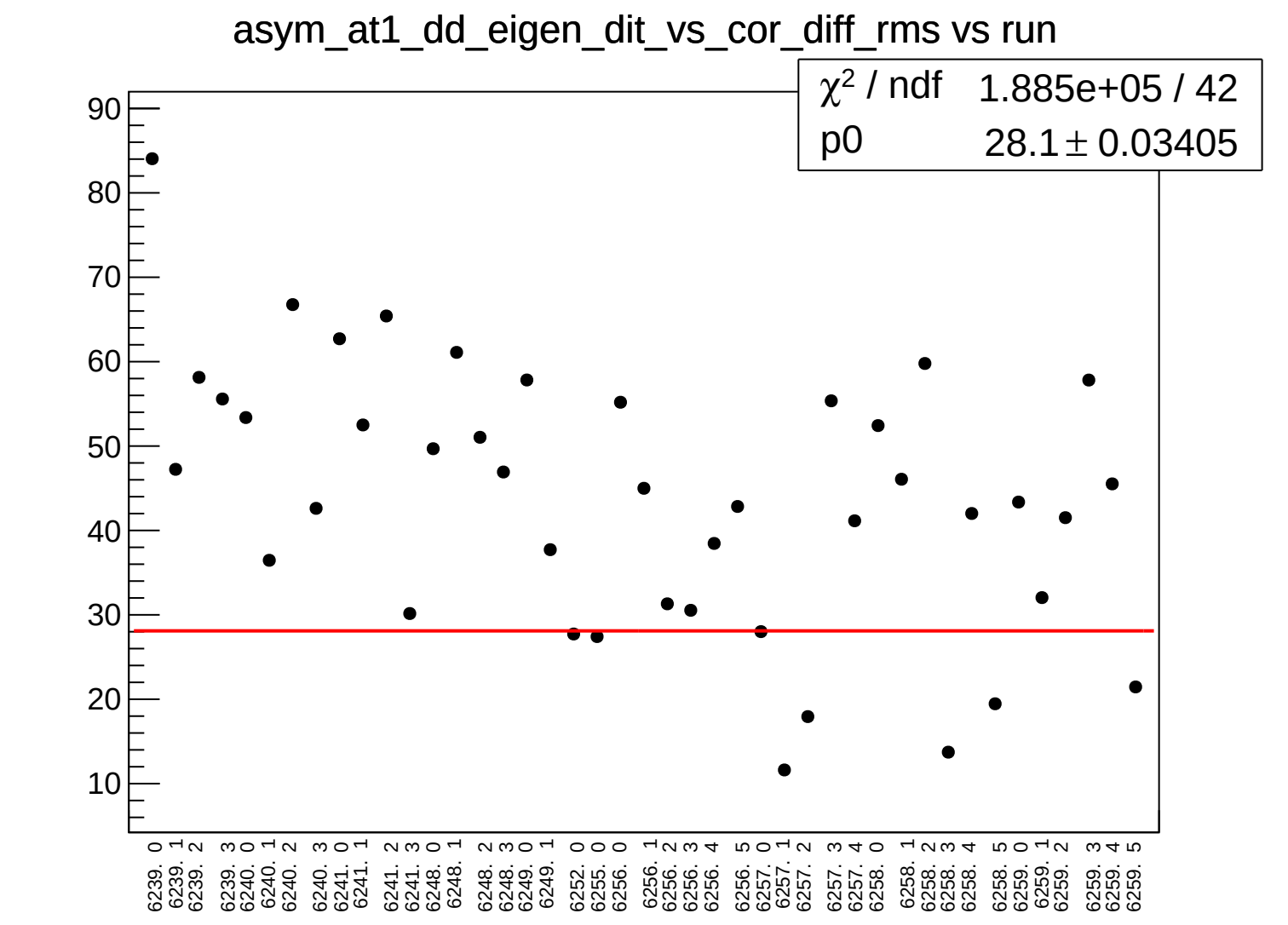

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.988e+05 / 42
p0 0.000464 ± 6.764e−07
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

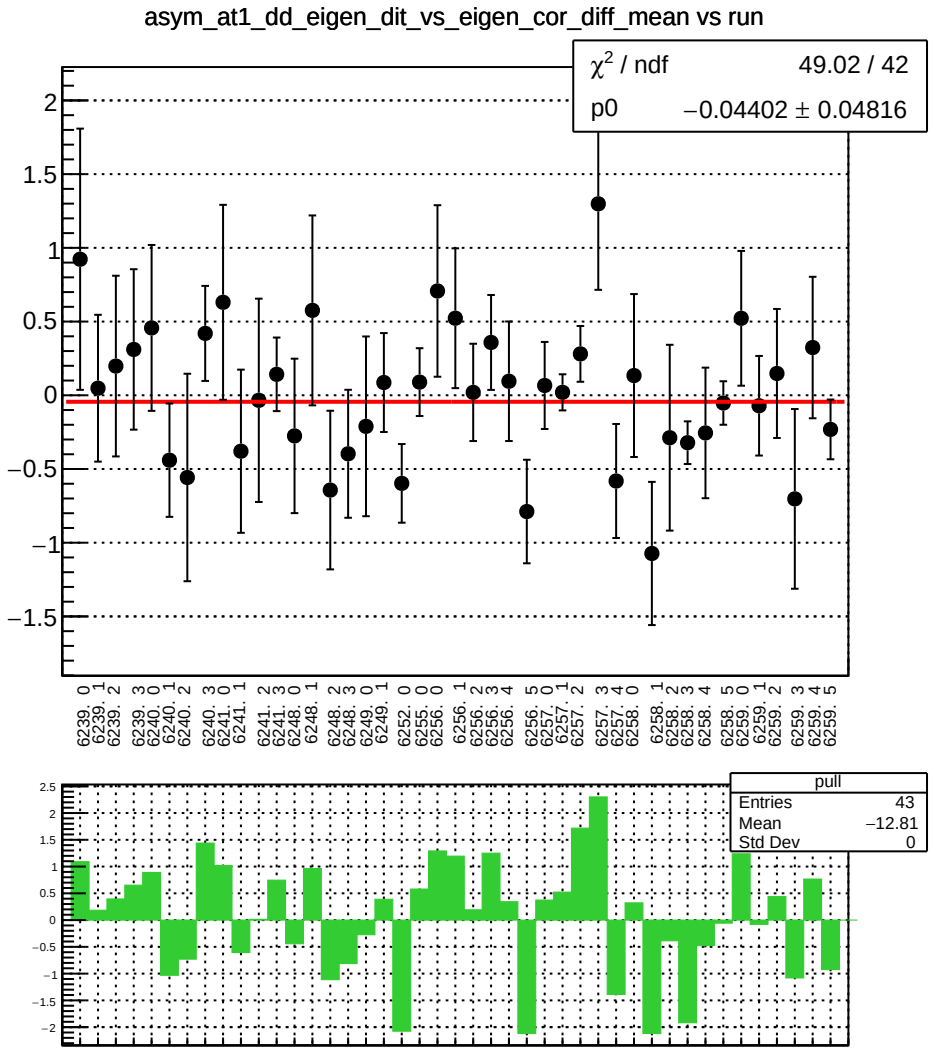
asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run

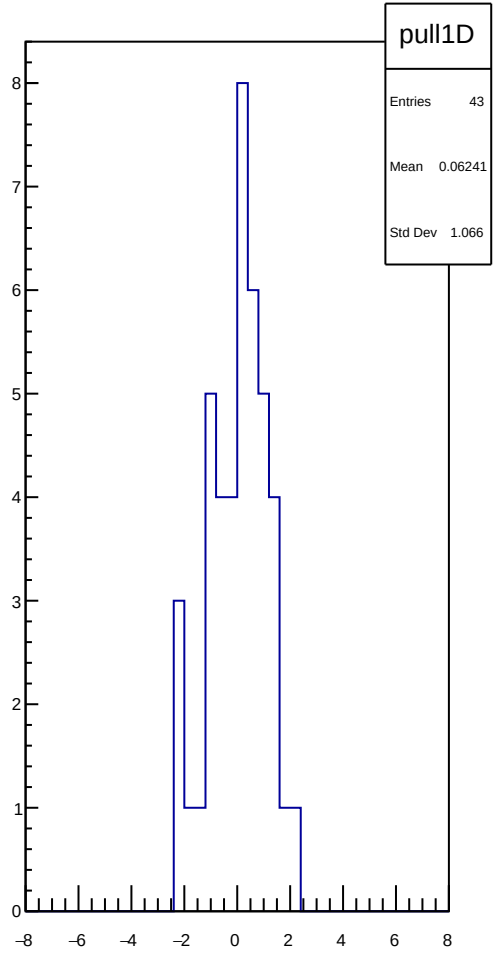


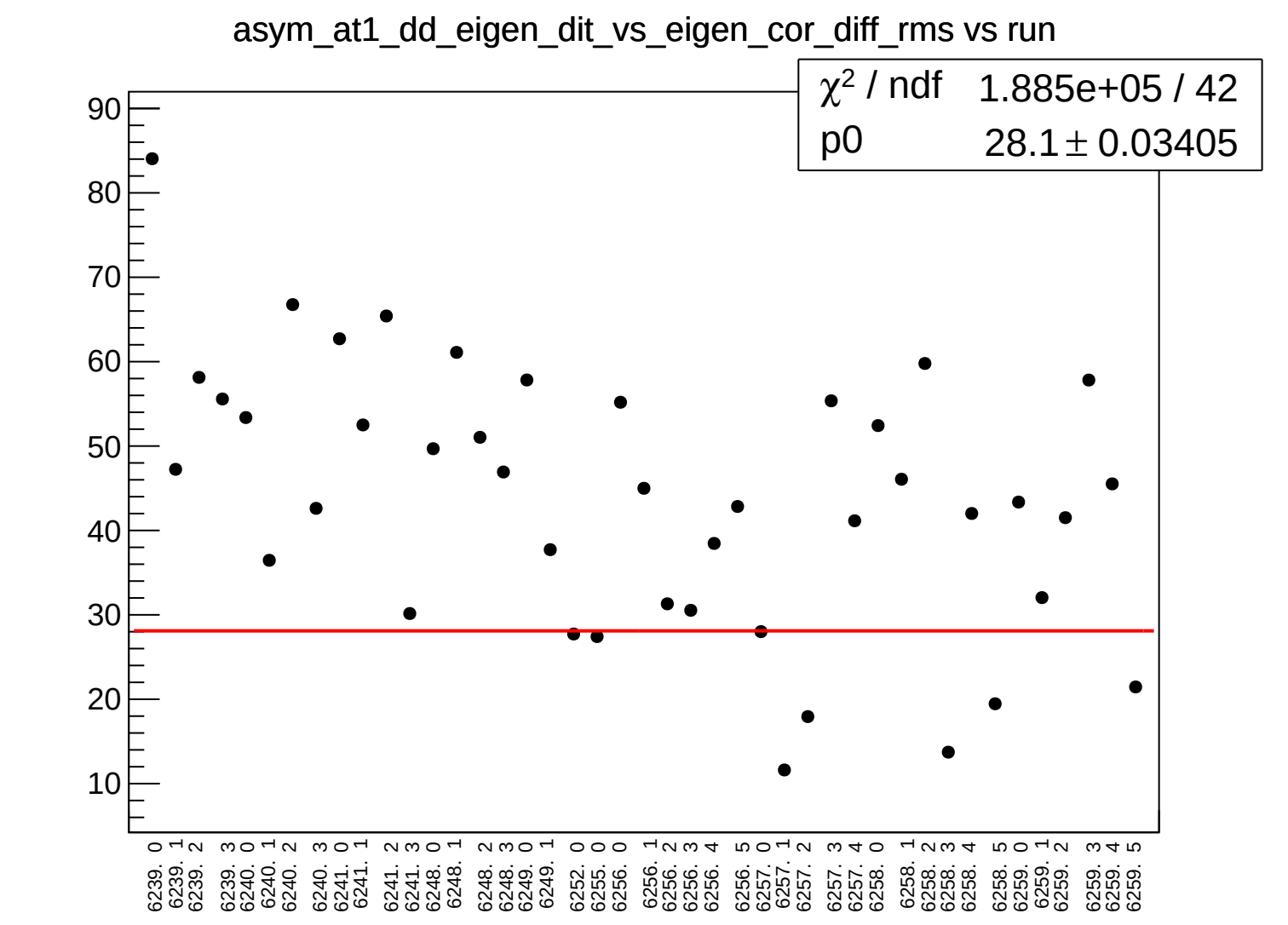



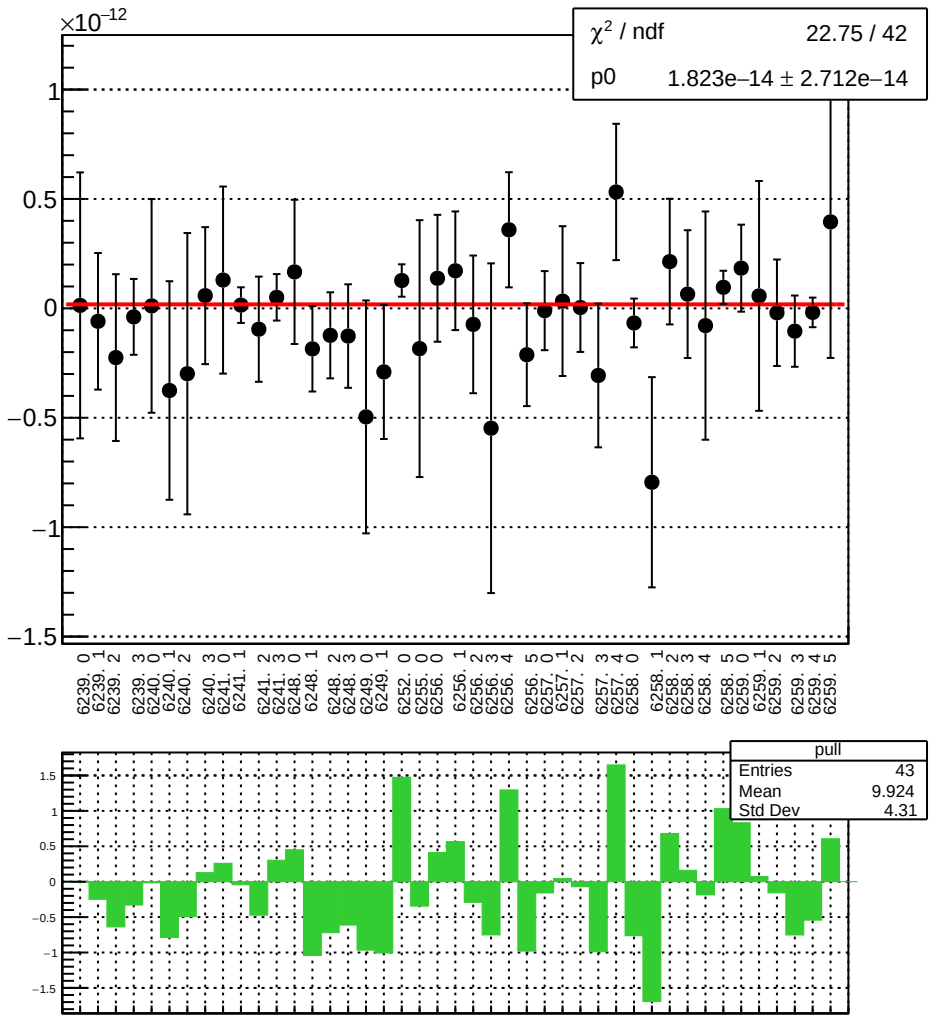



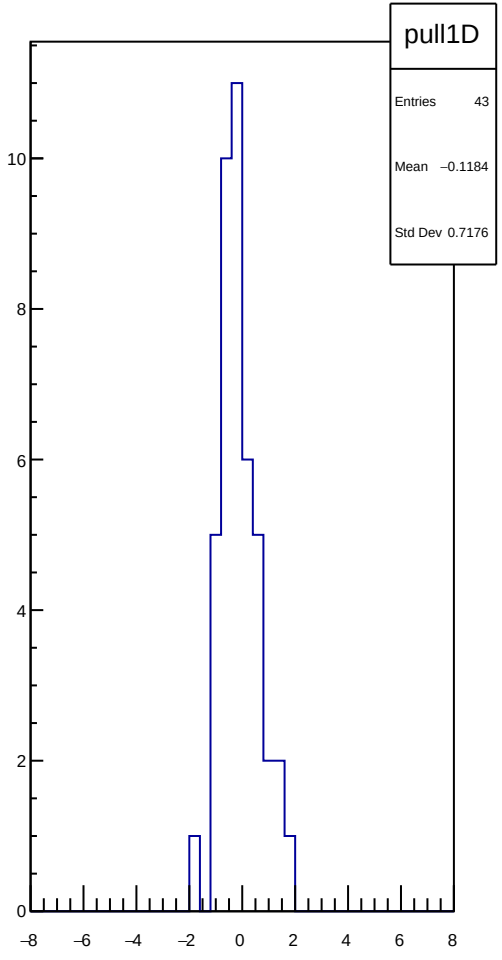

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.885e+05 / 42
p0 28.1 ± 0.03405
90
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

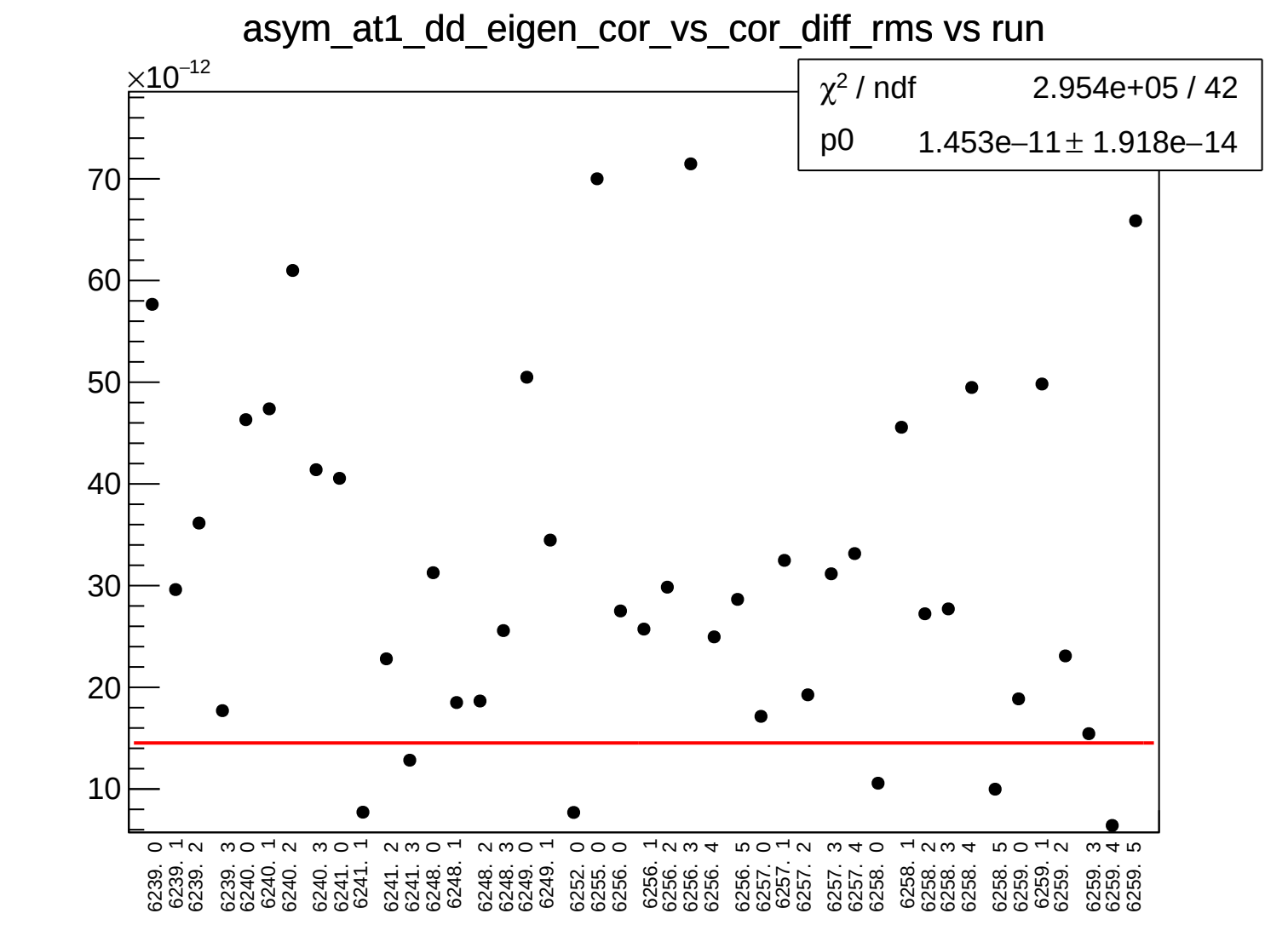

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.02 / 42
p0 −0.04402 ± 0.04816
pull
Entries 43
Mean −12.81
Std Dev 0

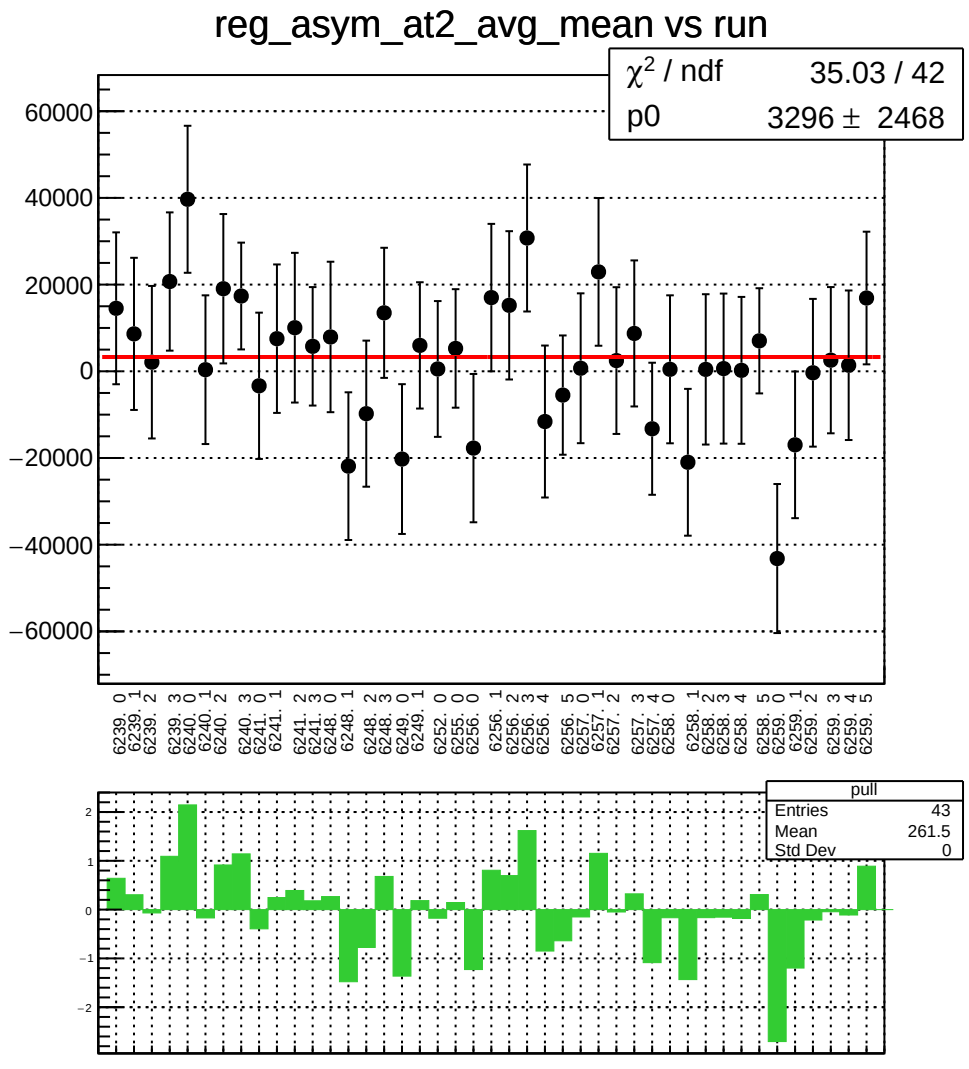

pull1D
Entries 43
Mean 0.06241
Std Dev 1.066

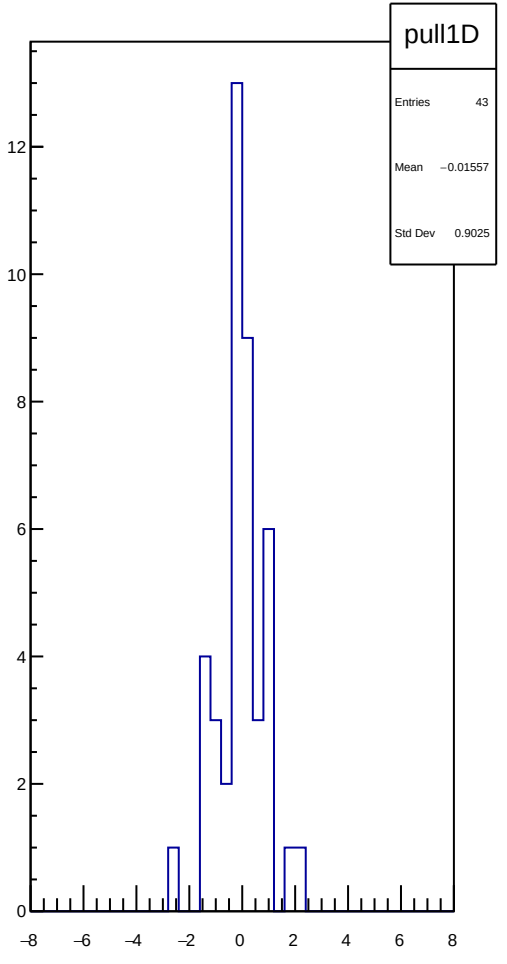

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.885e+05 / 42
p0 28.1 ± 0.03405
90
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

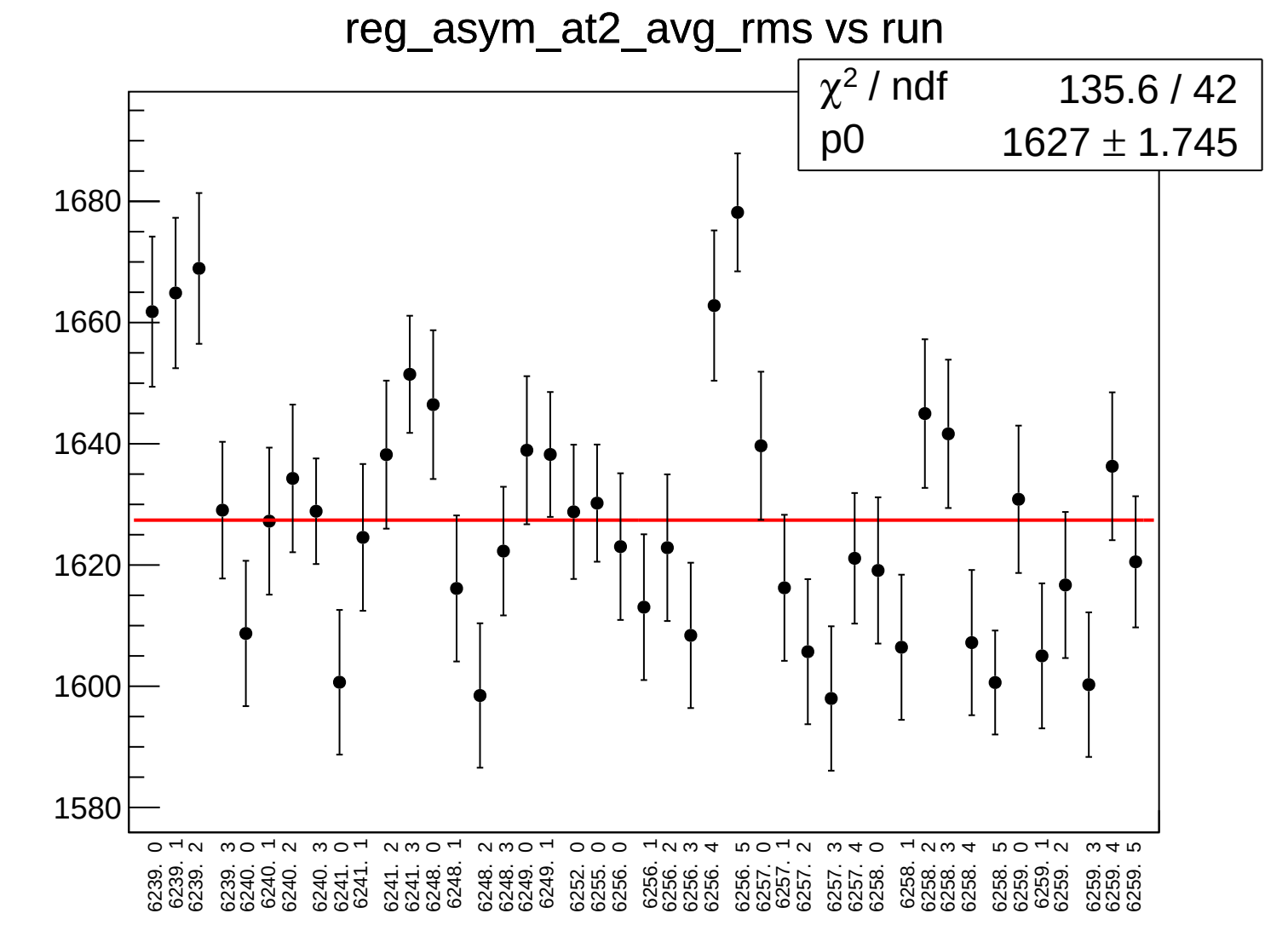

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 22.75 / 42
p0 1.823e−14 ± 2.712e−14
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.924
Std Dev 4.31
1.5
1
0.5
0
−0.5
−1
−1.5

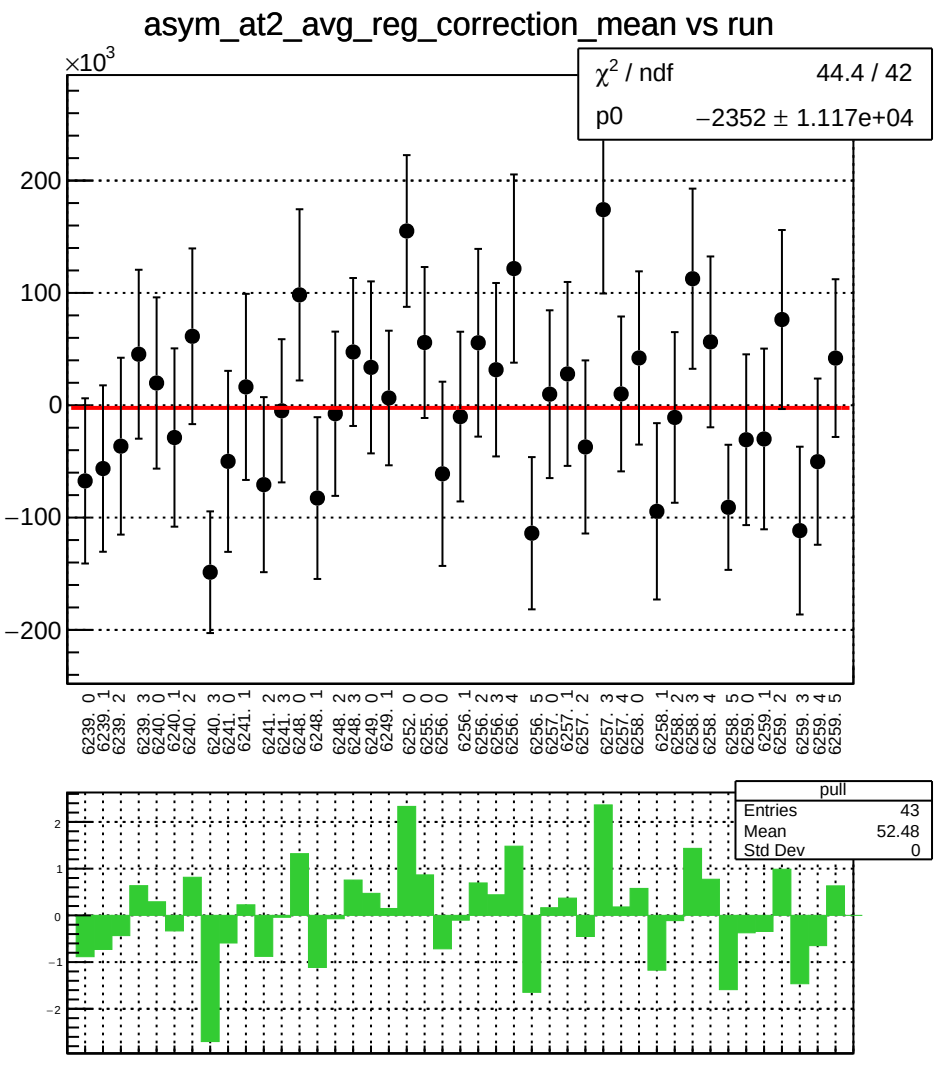

pull1D
Entries 43
Mean −0.1184
Std Dev 0.7176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

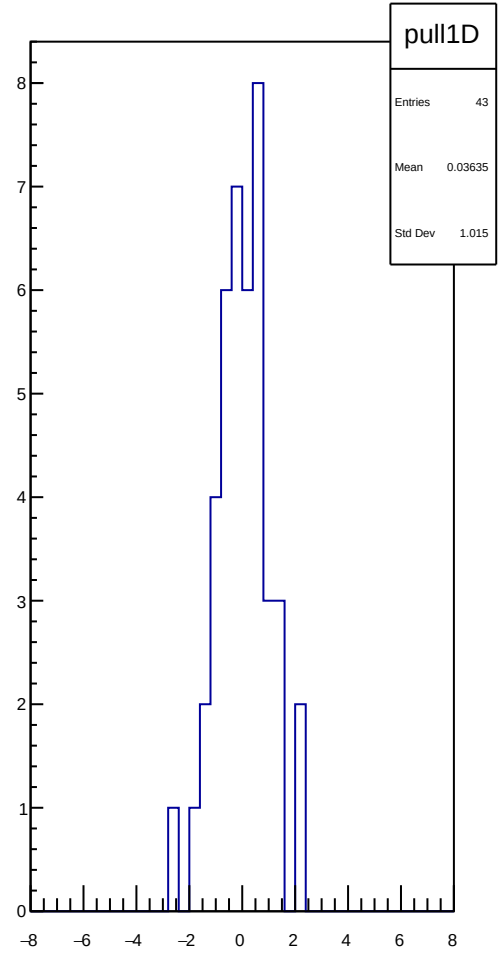

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.954e+05 / 42
p0 1.453e−11 ± 1.918e−14
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

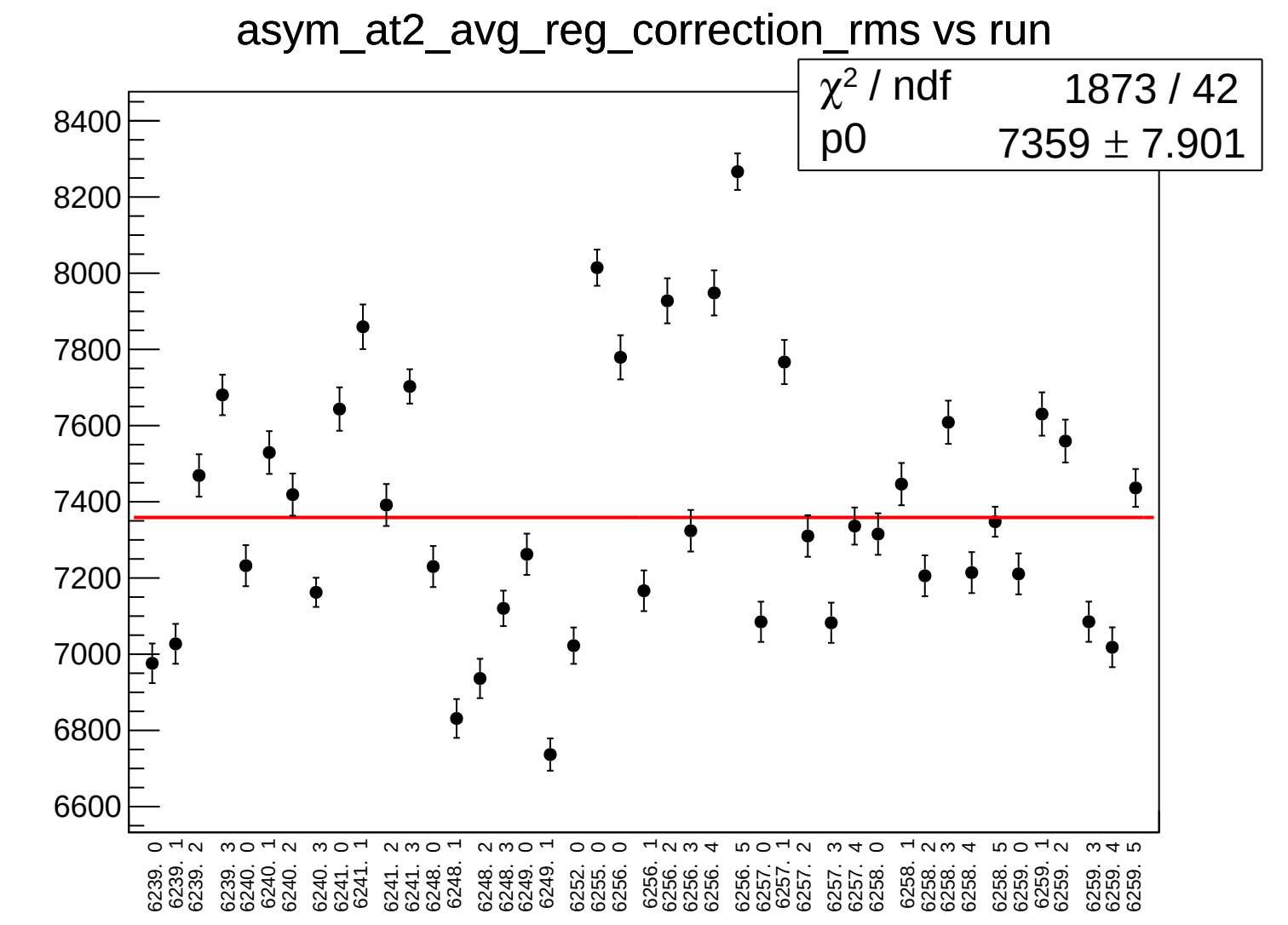

reg_asym_at2_avg_mean vs run
χ² / ndf 35.03 / 42
p0 3296 ± 2468
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 261.5
Std Dev 0
2
1
0
−1
−2

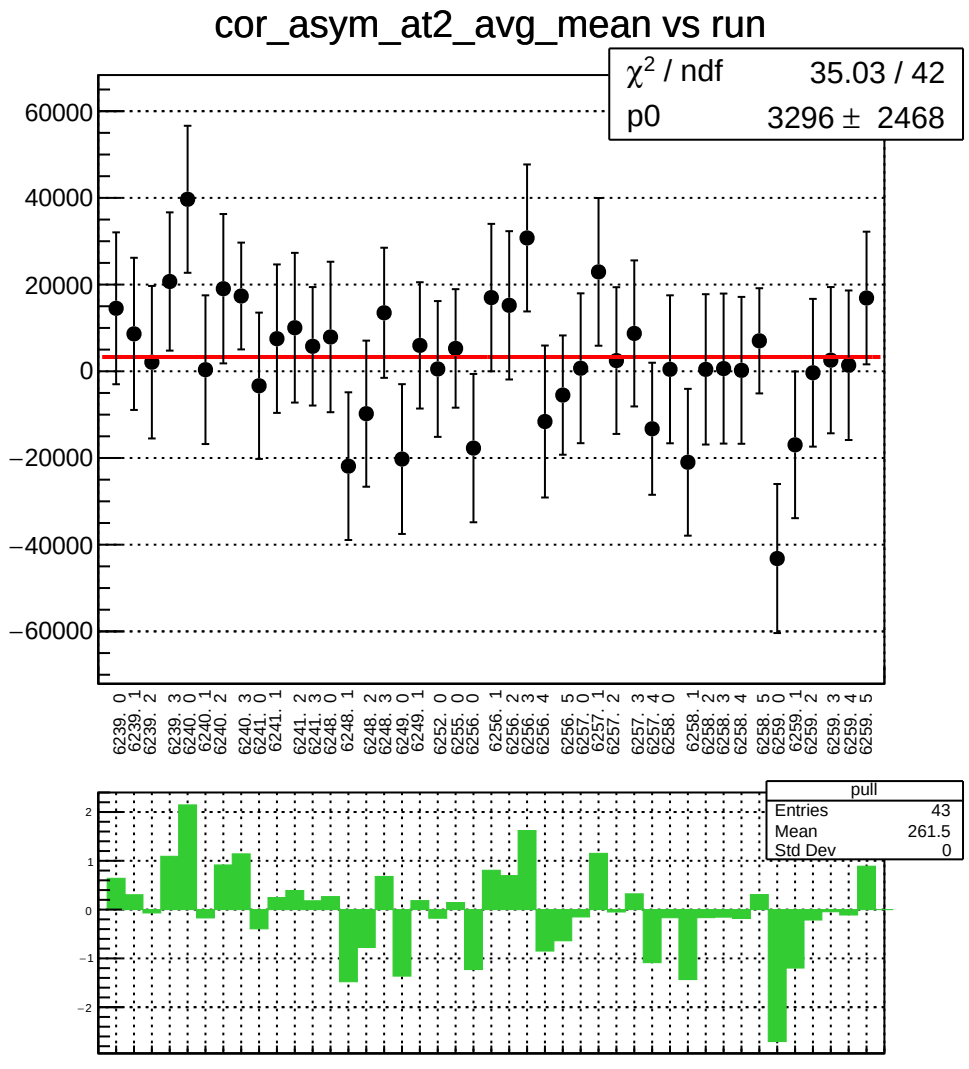

pull1D
Entries 43
Mean −0.01557
Std Dev 0.9025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

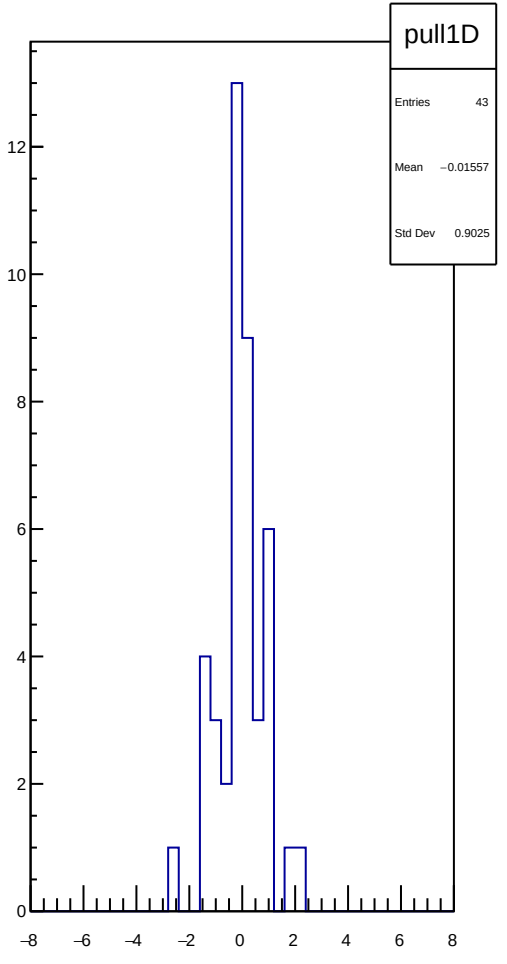

reg_asym_at2_avg_rms vs run
χ² / ndf 135.6 / 42
p0 1627 ± 1.745
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

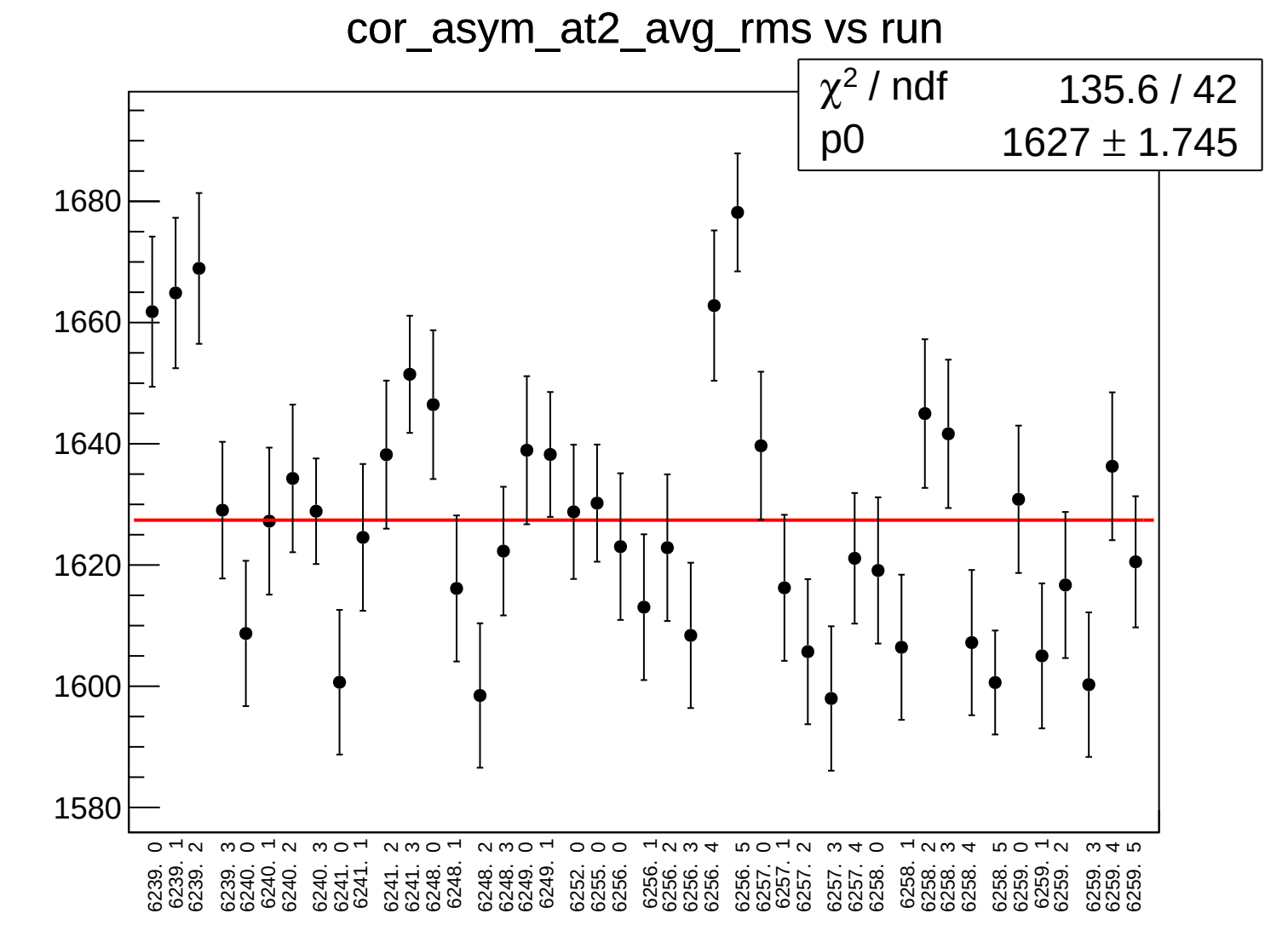

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.4 / 42
p0 −2352 ± 1.117e+04
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.48
Std Dev 0
2
1
0
−1
−2

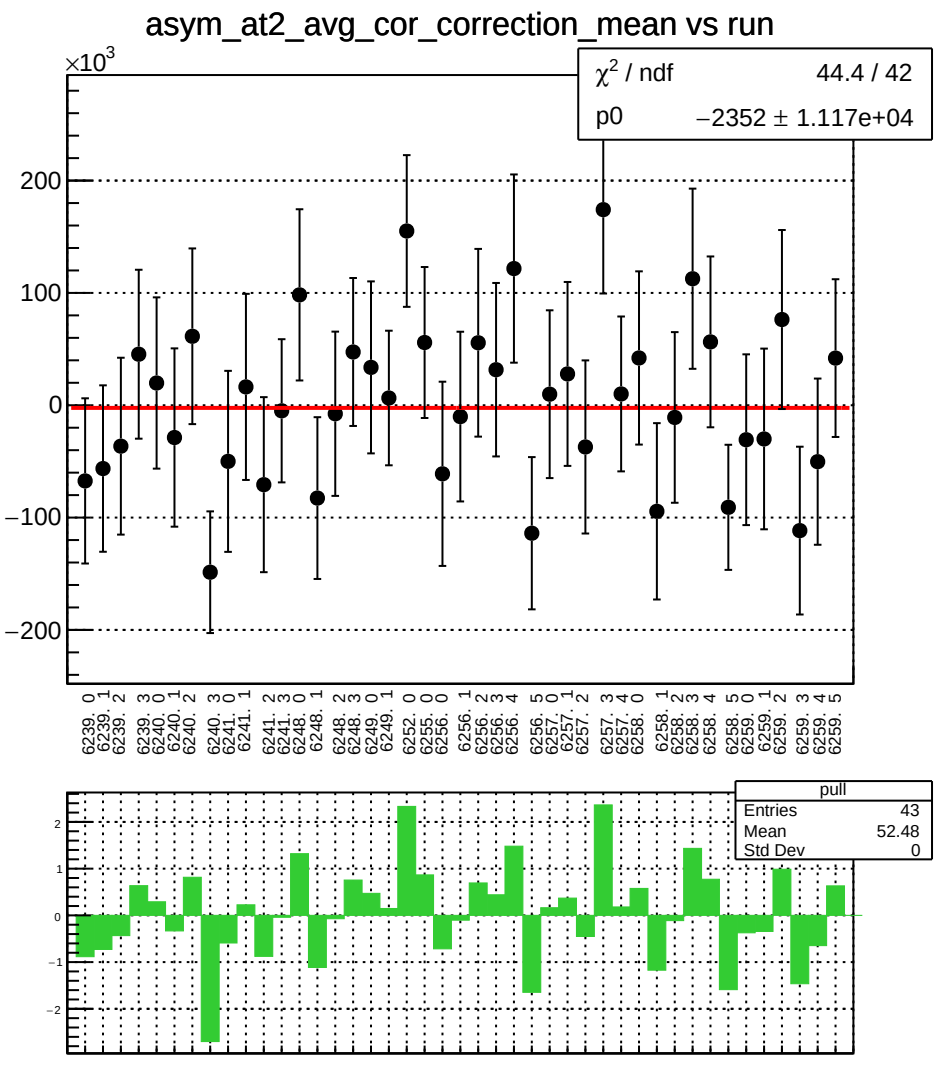

pull1D
Entries 43
Mean 0.03635
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

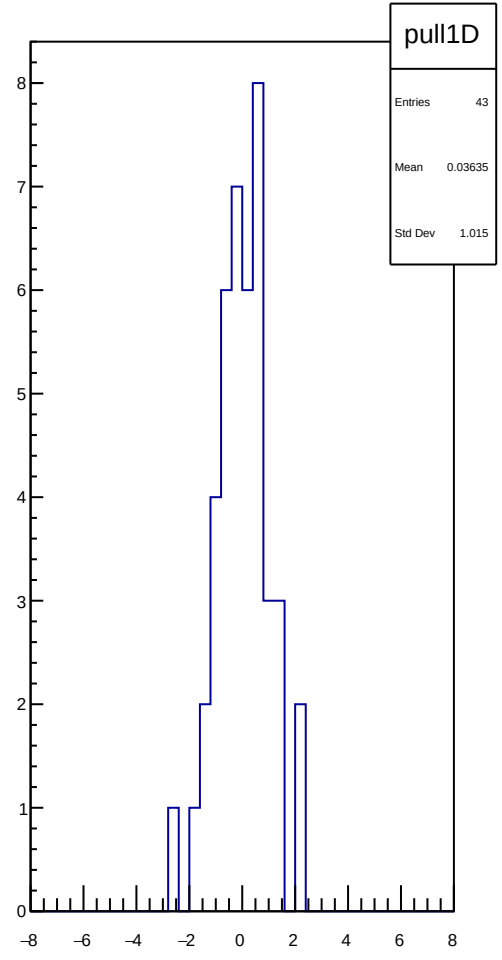

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1873 / 42
p0 7359 ± 7.901
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

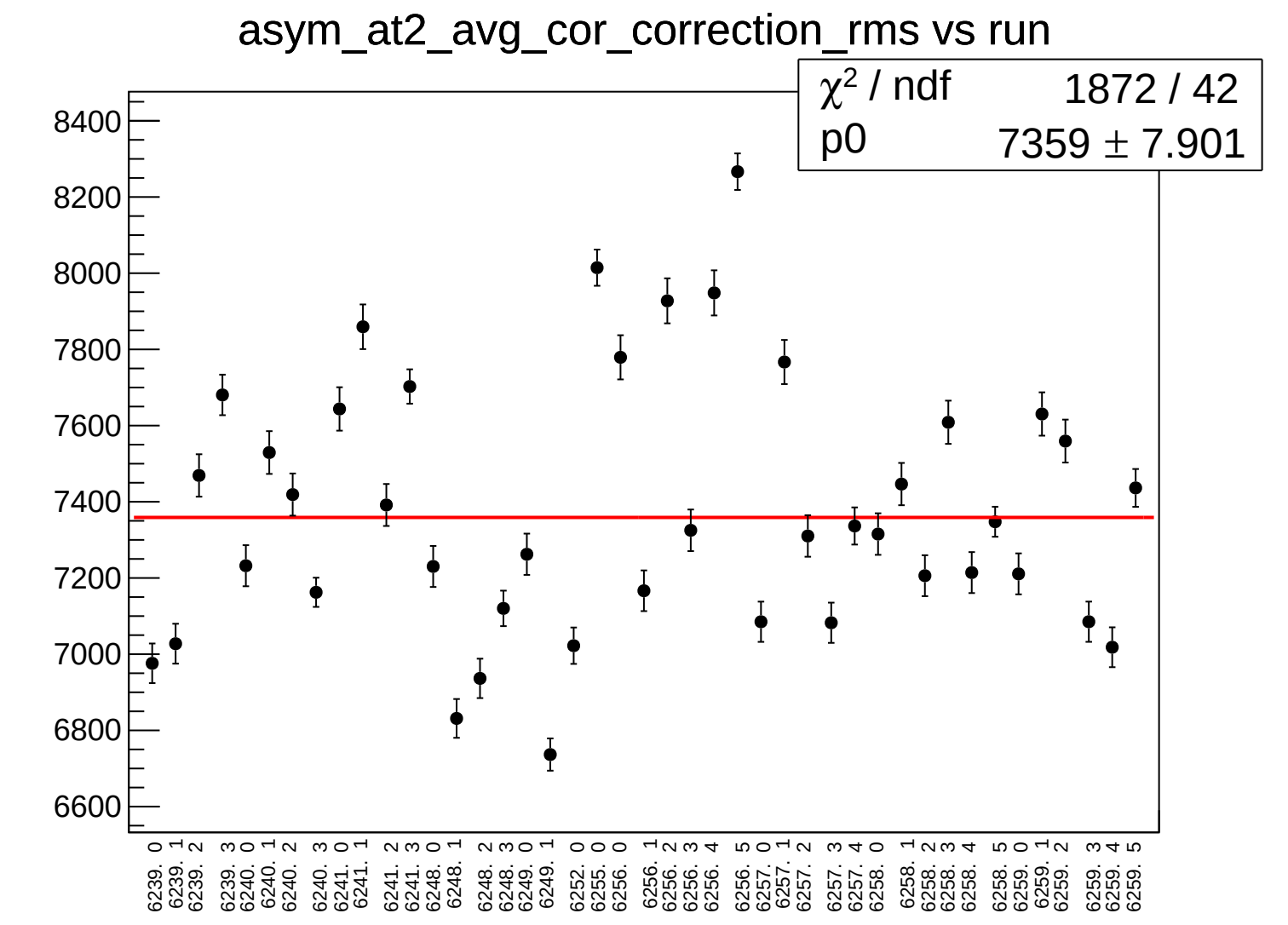

cor_asym_at2_avg_mean vs run
χ² / ndf 35.03 / 42
p0 3296 ± 2468
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 261.5
Std Dev 0
2
1
0
−1
−2

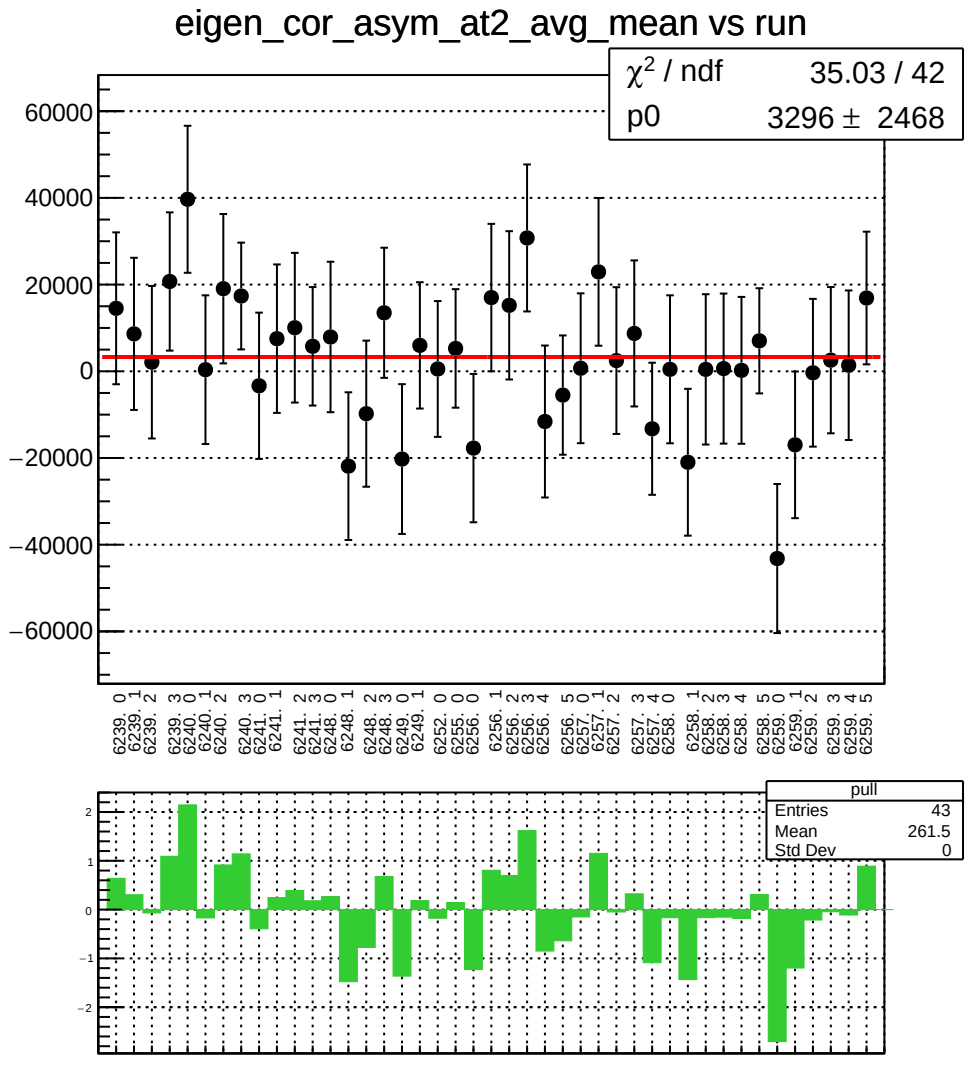

pull1D
Entries 43
Mean −0.01557
Std Dev 0.9025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_avg_rms vs run
$\chi^2$ / ndf 135.6 / 42
p0 1627 ± 1.745
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.4 / 42
p0 −2352 ± 1.117e+04
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.48
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03635
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1872 / 42
p0 7359 ± 7.901
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 35.03 / 42
p0 3296 ± 2468
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 261.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01557
Std Dev 0.9025
12
10
8
6
4
2
0
−8
−6
−4
−2
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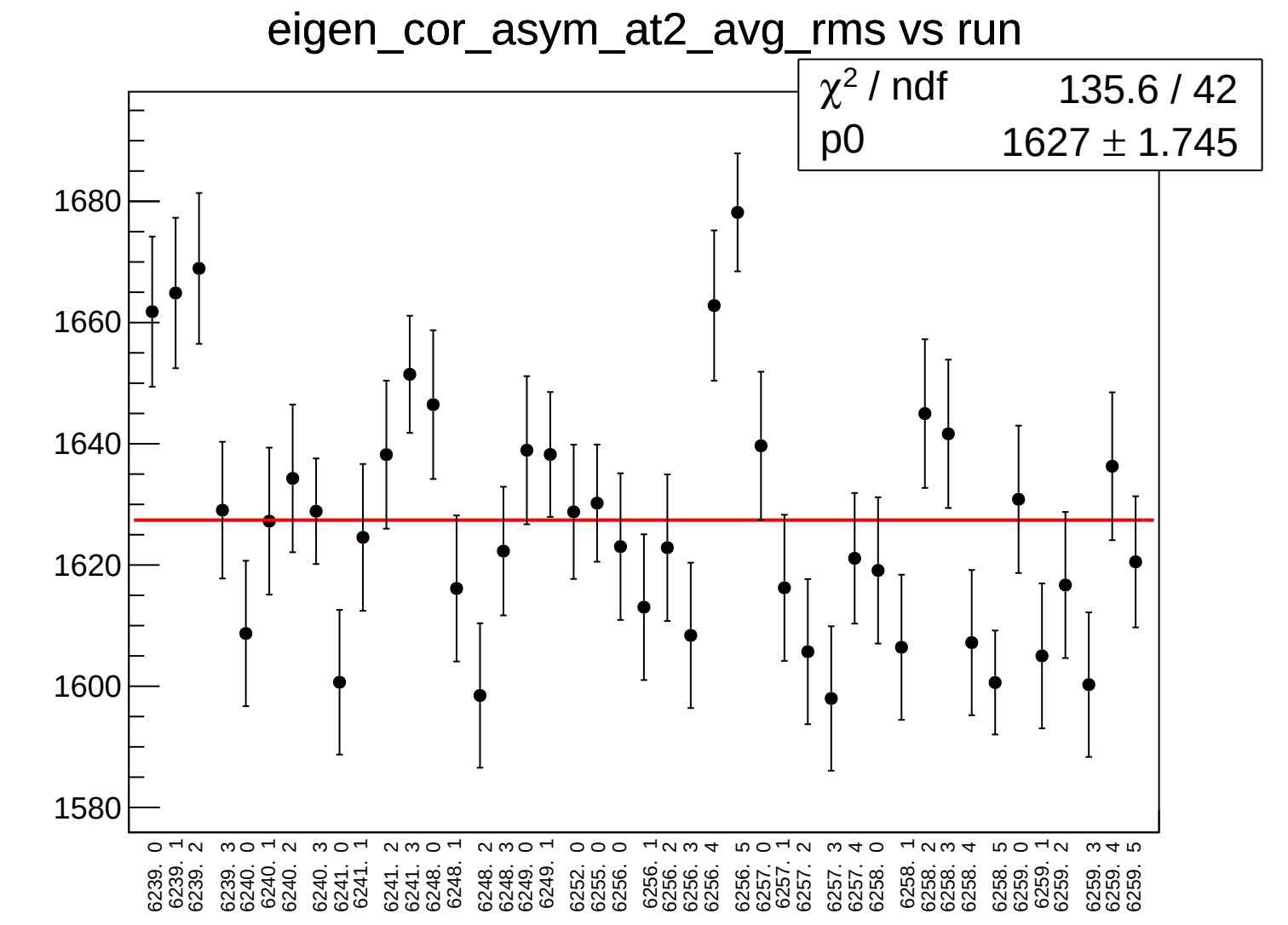
2
4
6
8


eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 135.6 / 42
p0 1627 ± 1.745
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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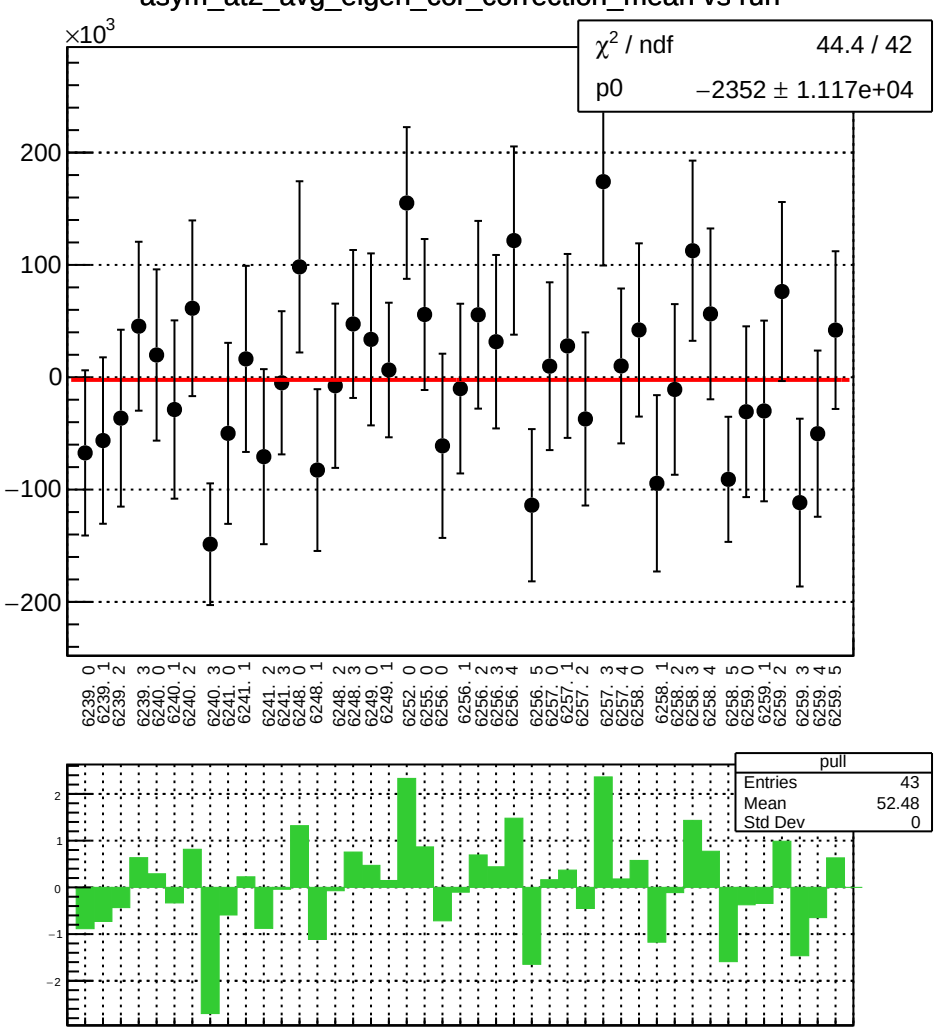
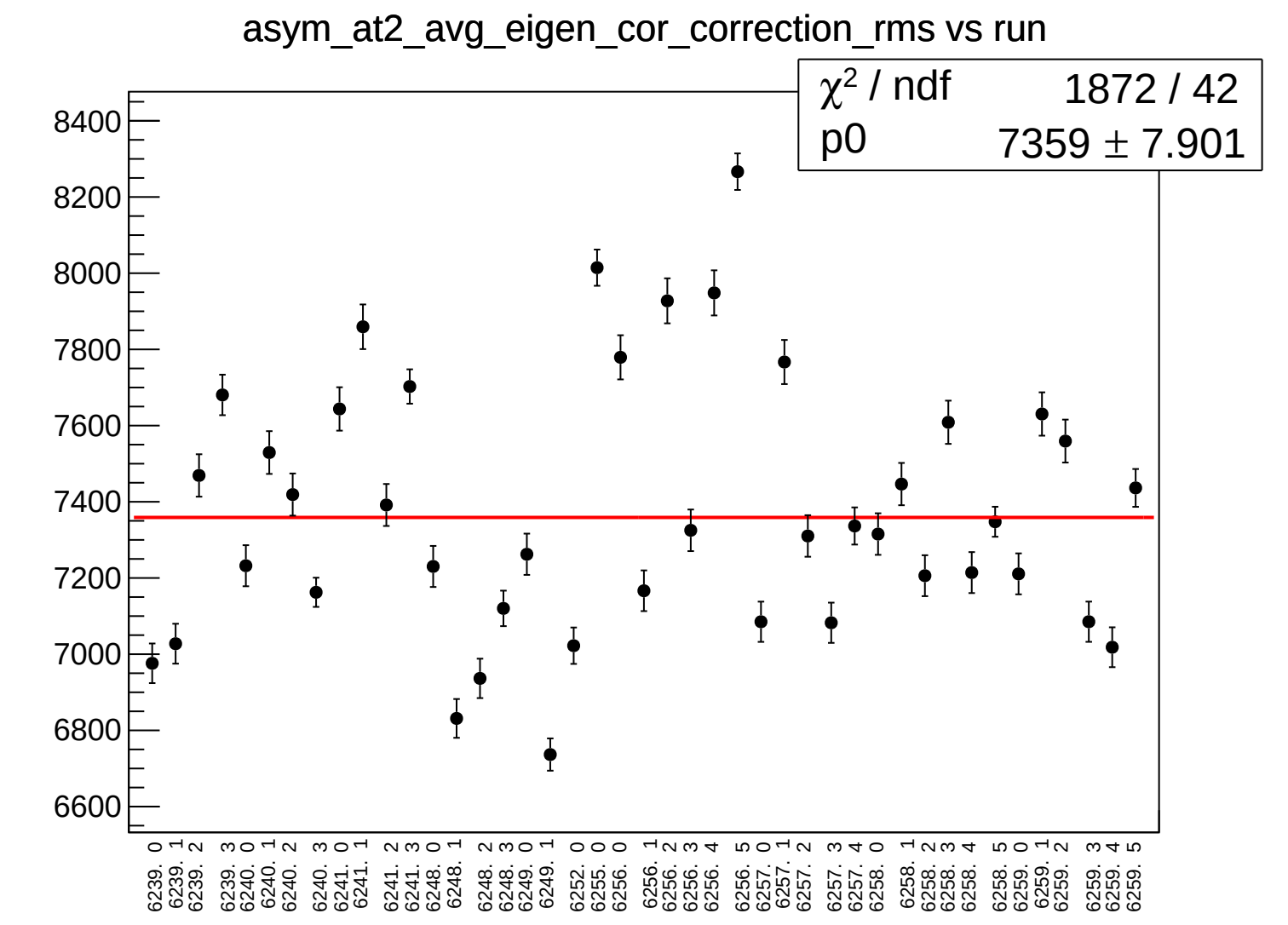
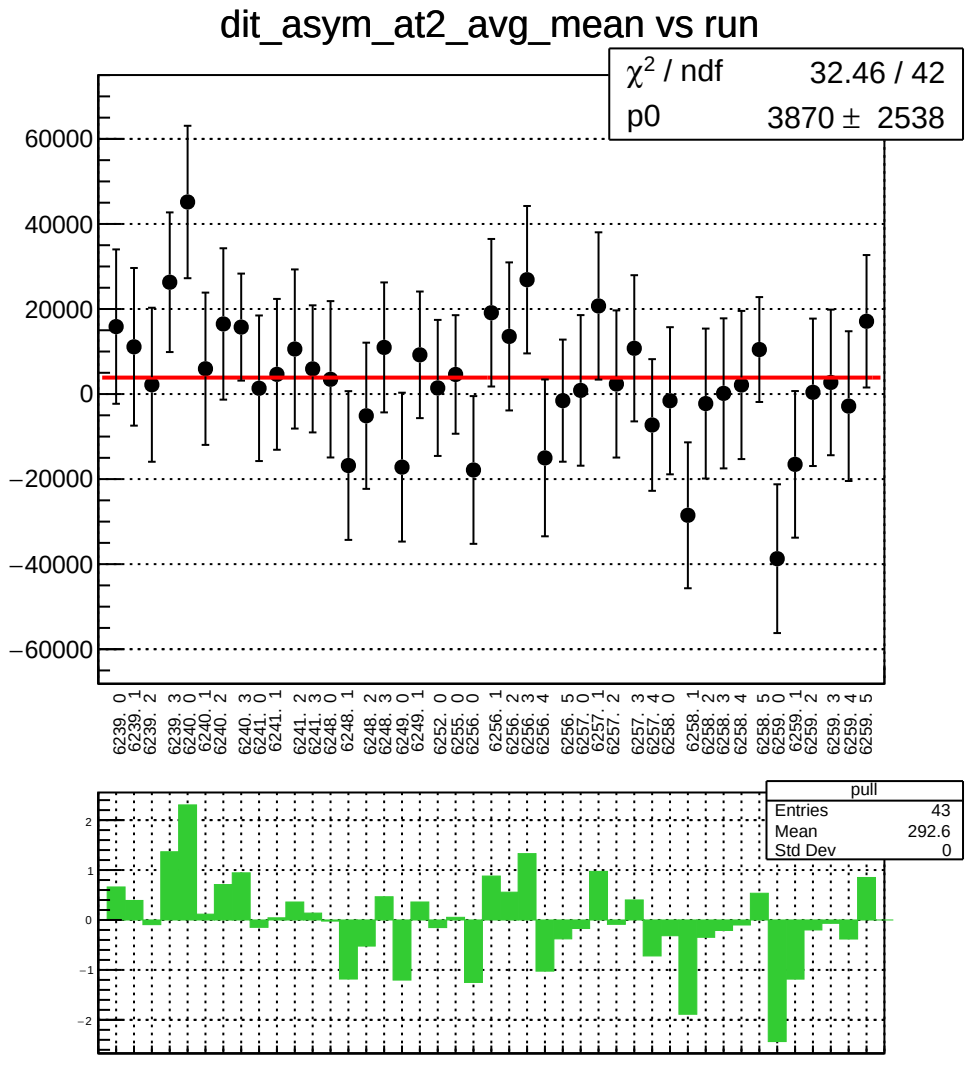
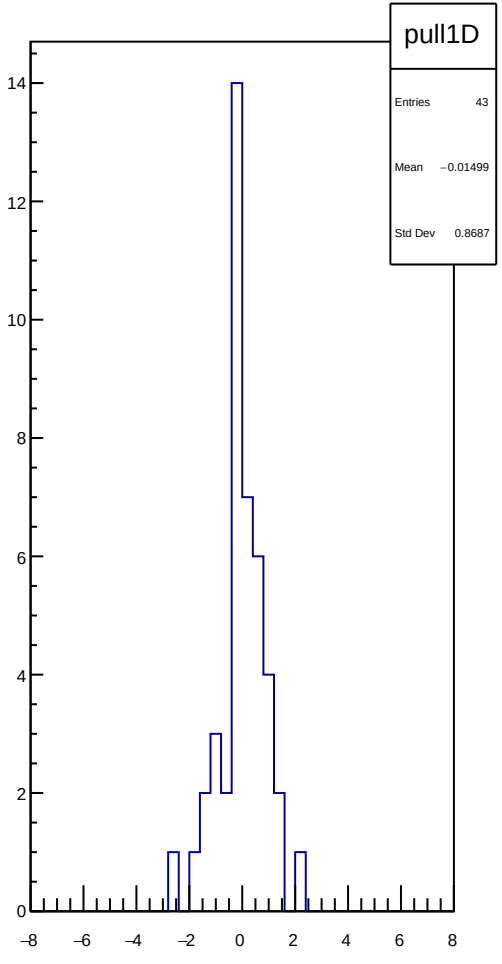
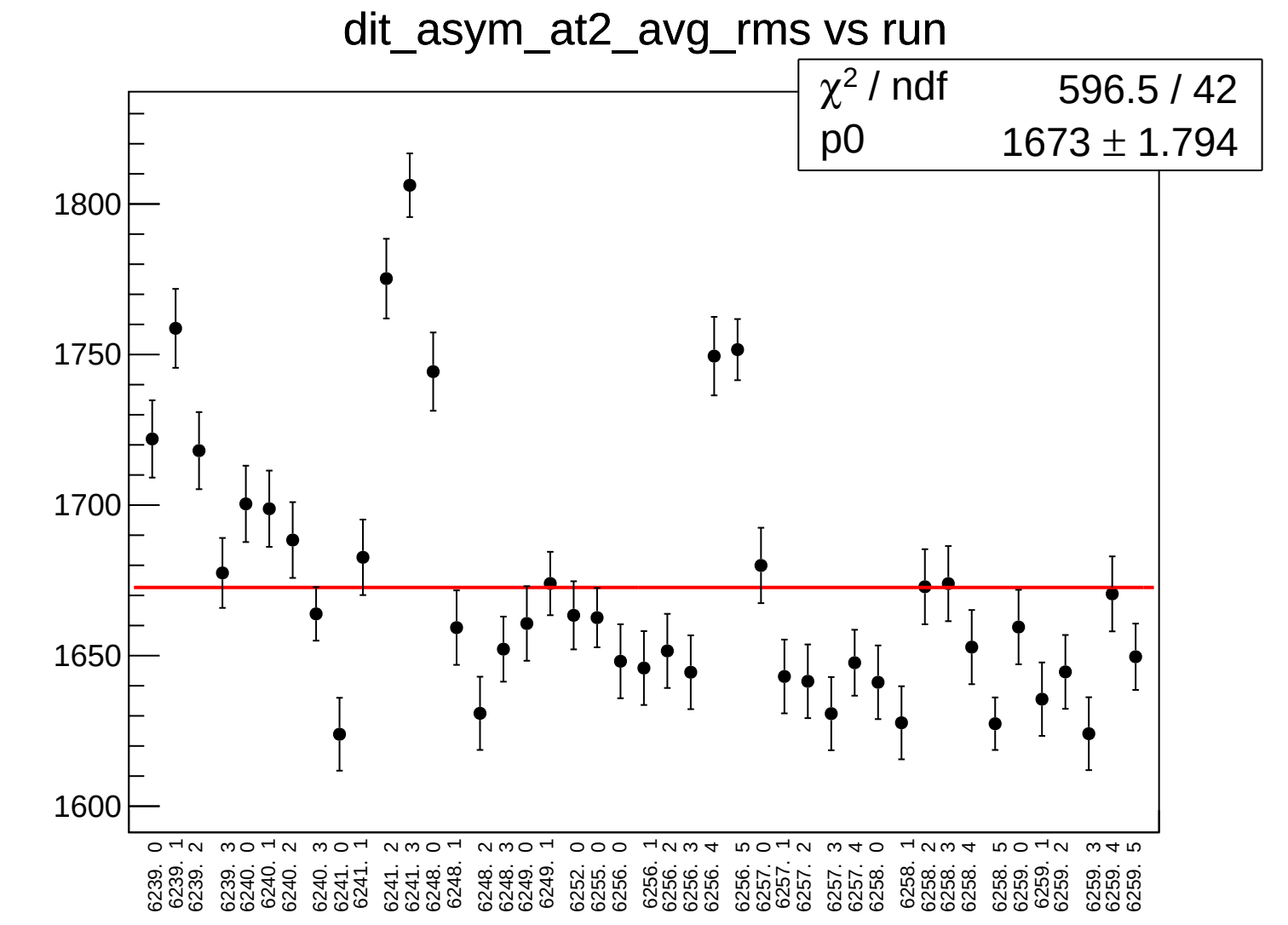
6259. 2
6259. 3
6259. 4
6259. 5


asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.4 / 42
p0 −2352 ± 1.117e+04
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.48
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03635
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1872 / 42
p0 7359 ± 7.901
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_at2_avg_mean vs run
χ² / ndf 32.46 / 42
p0 3870 ± 2538
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 292.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01499
Std Dev 0.8687
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at2_avg_rms vs run
χ² / ndf 596.5 / 42
p0 1673 ± 1.794
1800
1750
1700
1650
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
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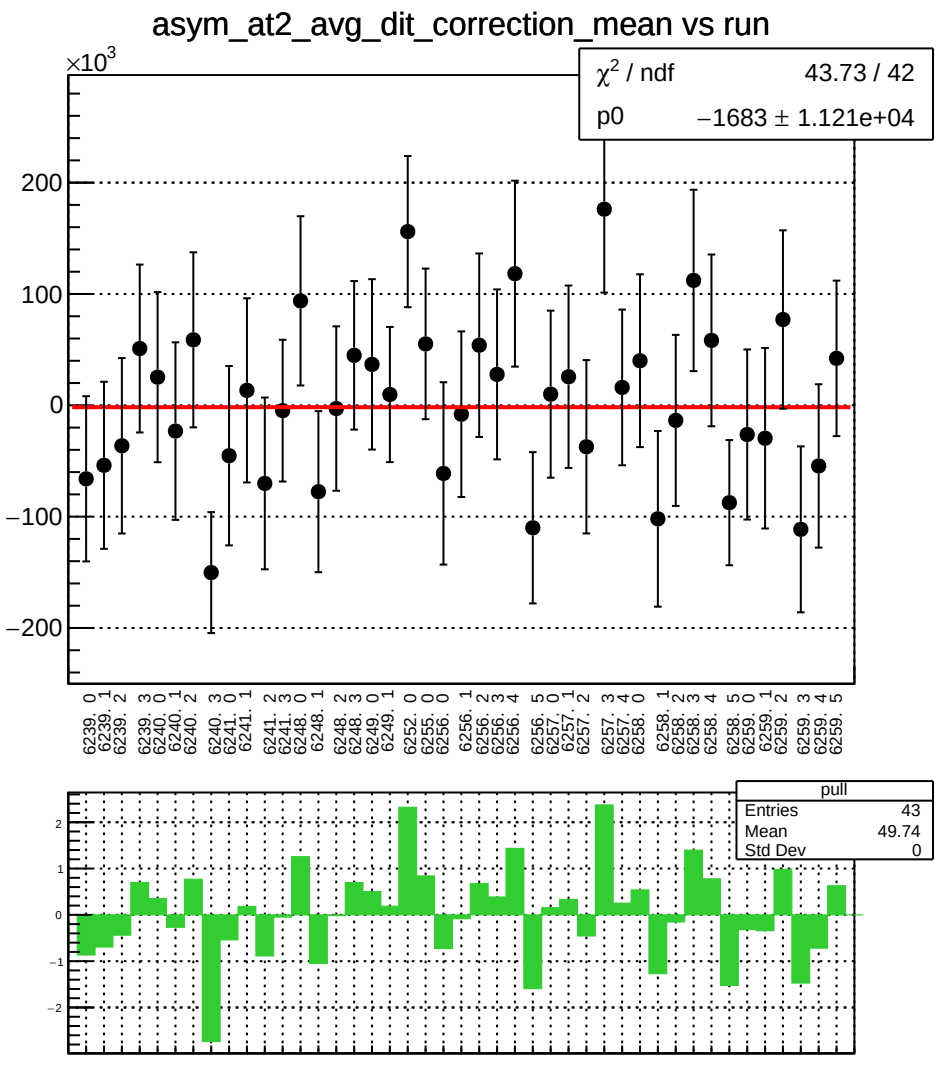
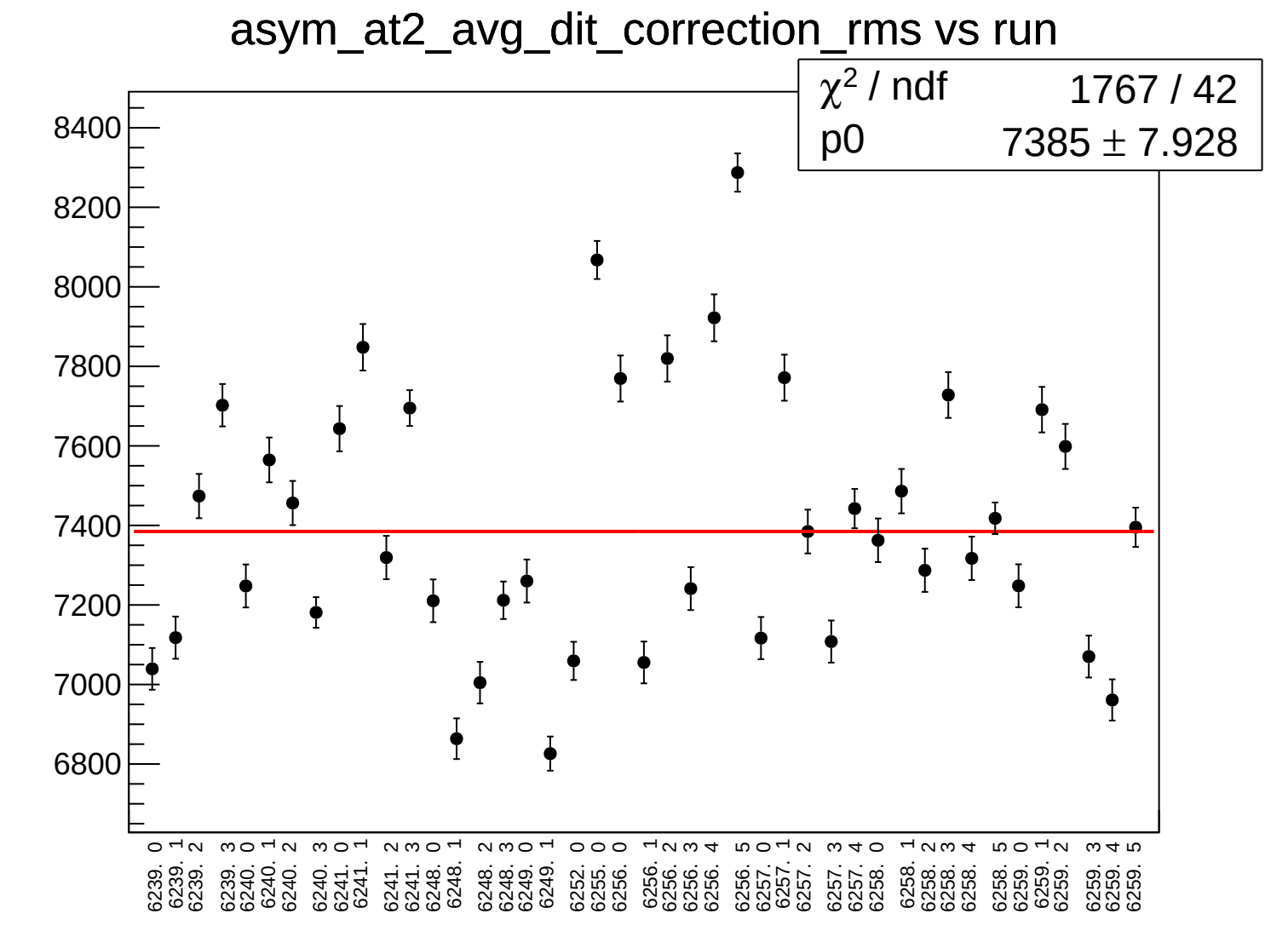
6259. 5


asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.73 / 42
p0 −1683 ± 1.121e+04
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.74
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03572
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_dit_correction_rms vs run
χ² / ndf 1767 / 42
p0 7385 ± 7.928
8400
8200
8000
7800
7600
7400
7200
7000
6800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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6259. 2
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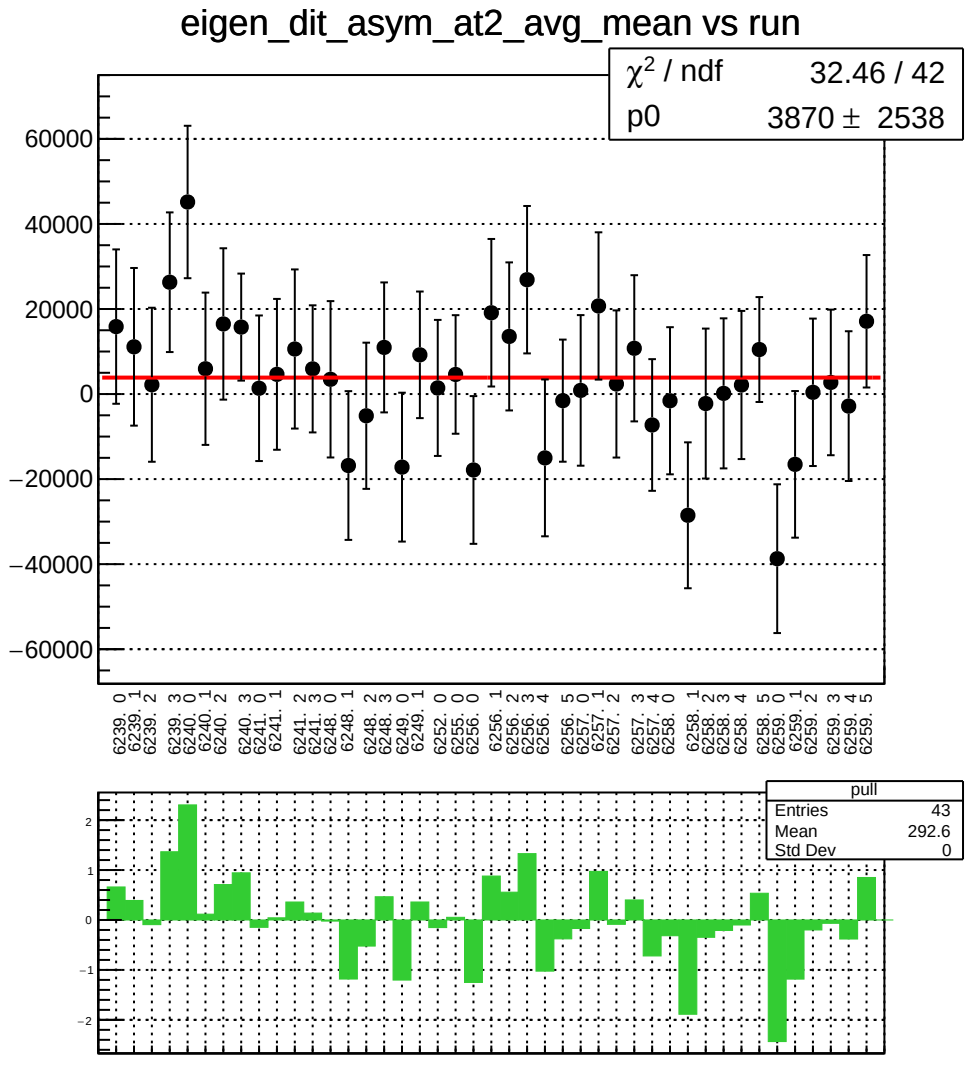
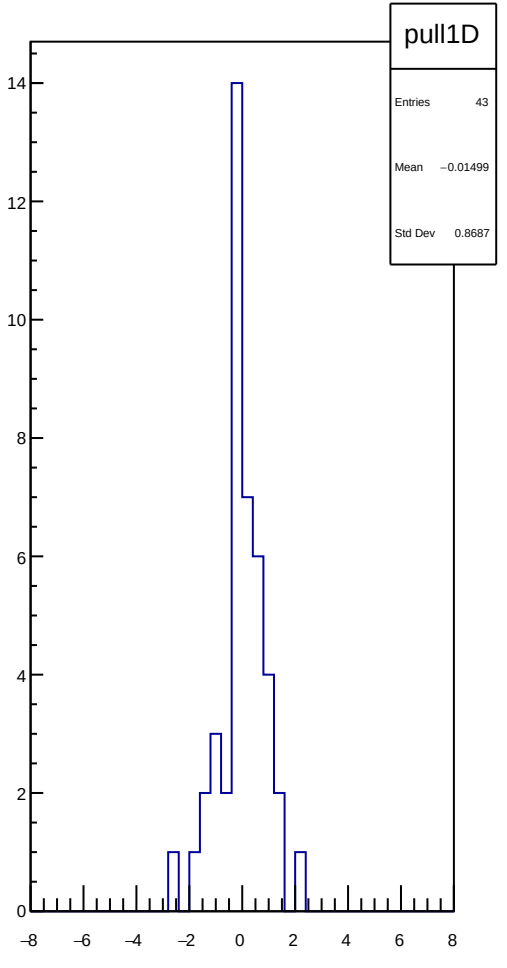
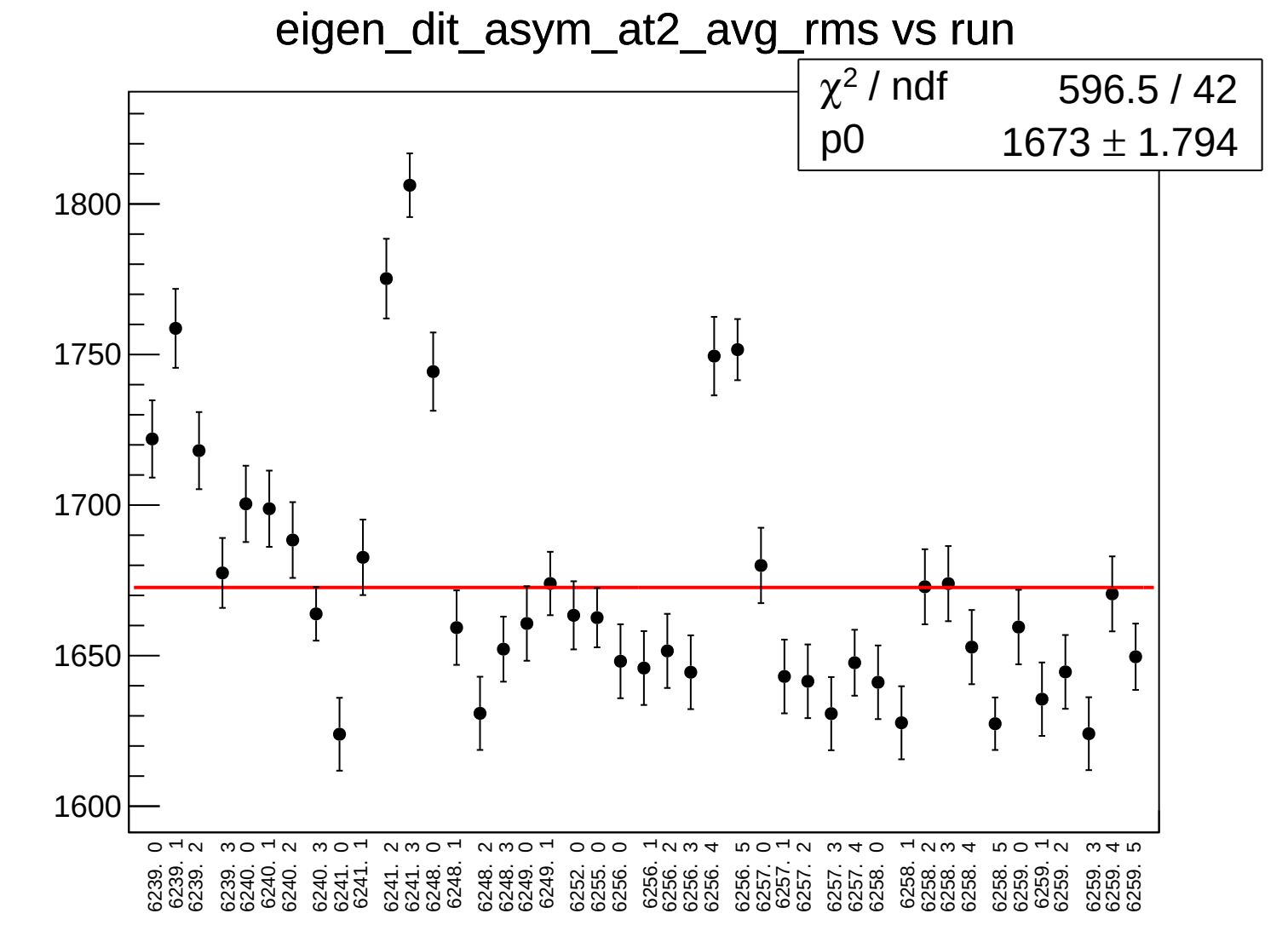
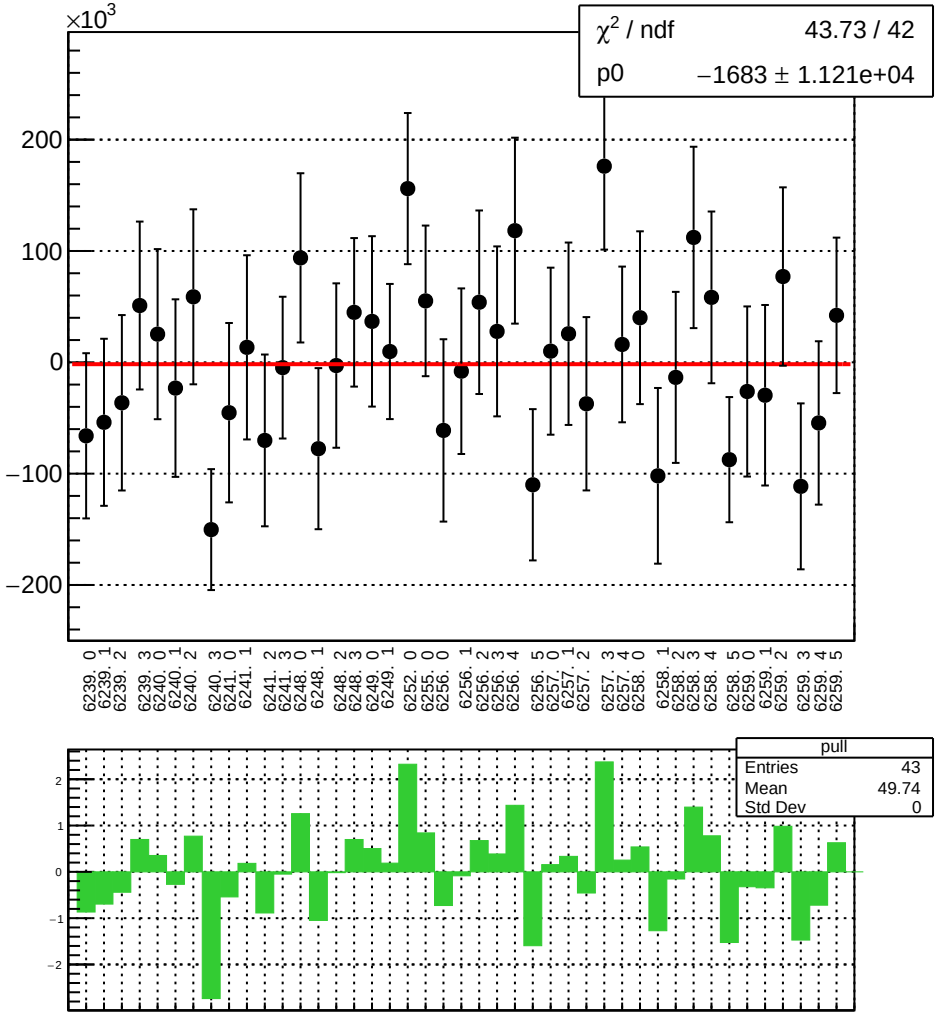
6259. 4
6259. 5

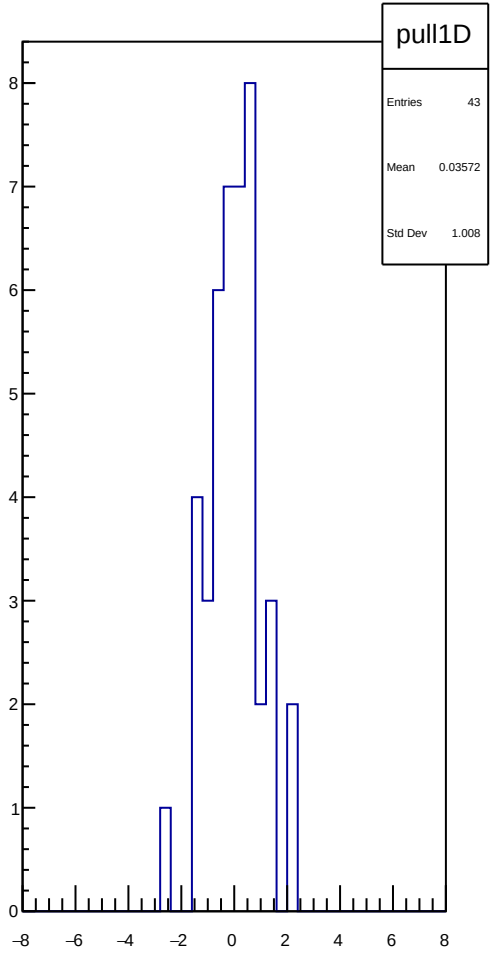

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 32.46 / 42
p0 3870 ± 2538
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 292.6
Std Dev 0
2
1
0
−1
−2

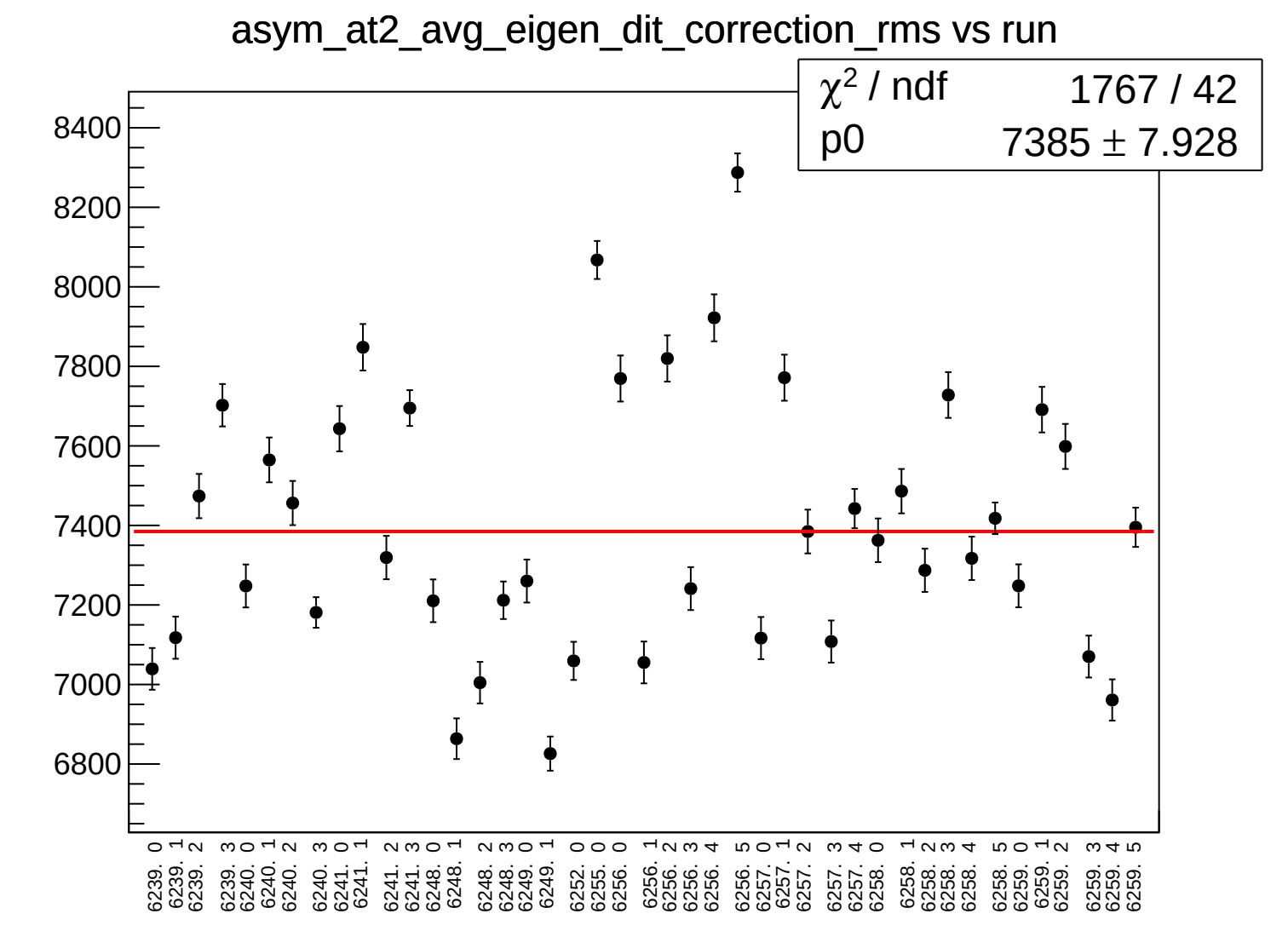

pull1D
Entries 43
Mean −0.01499
Std Dev 0.8687
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

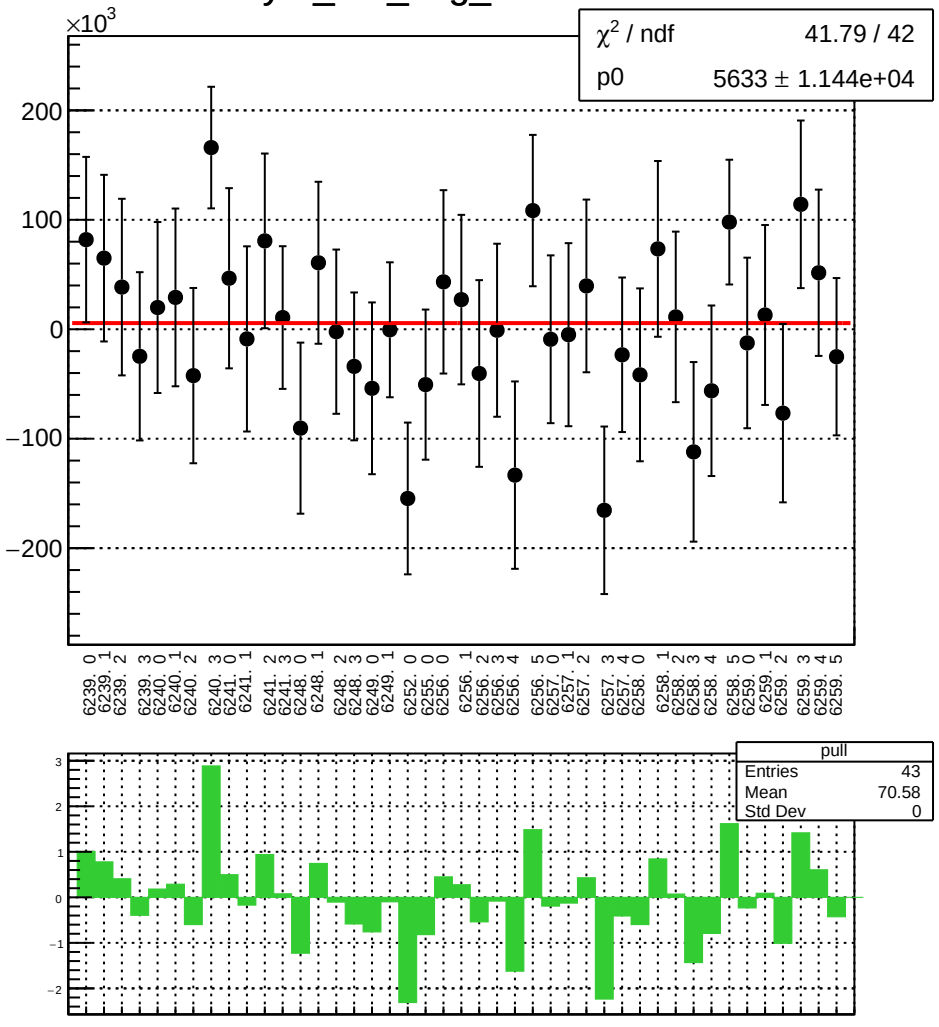

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 596.5 / 42
p0 1673 ± 1.794
1800
1750
1700
1650
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

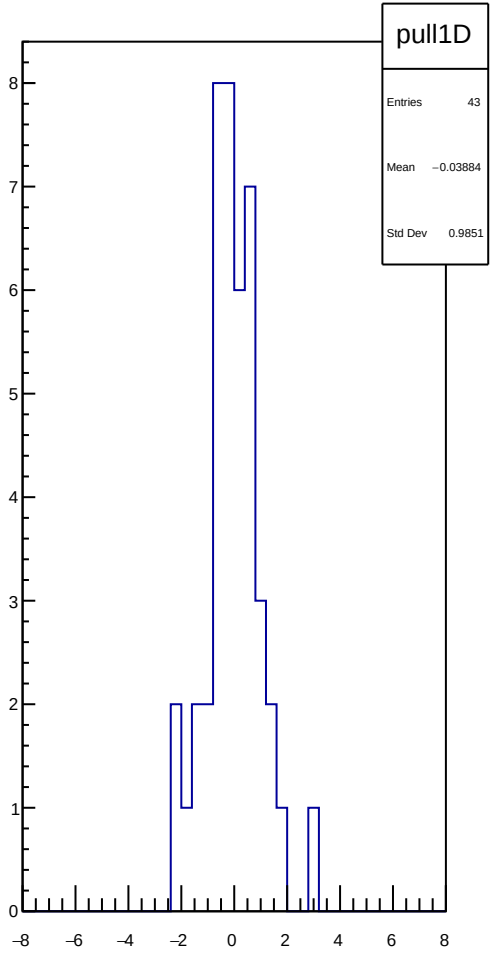
asym_at2_avg_eigen_dit_correction_mean vs run

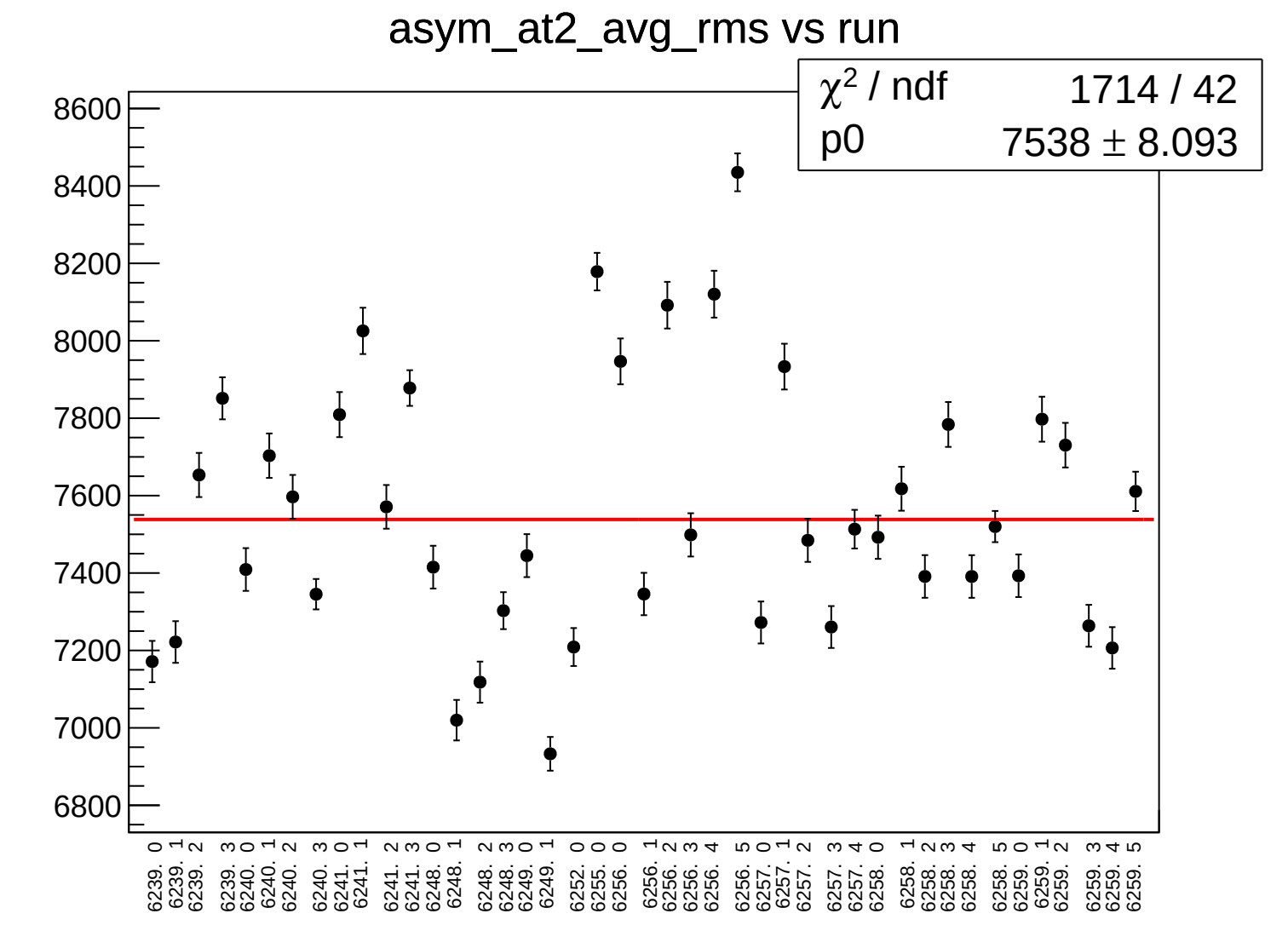


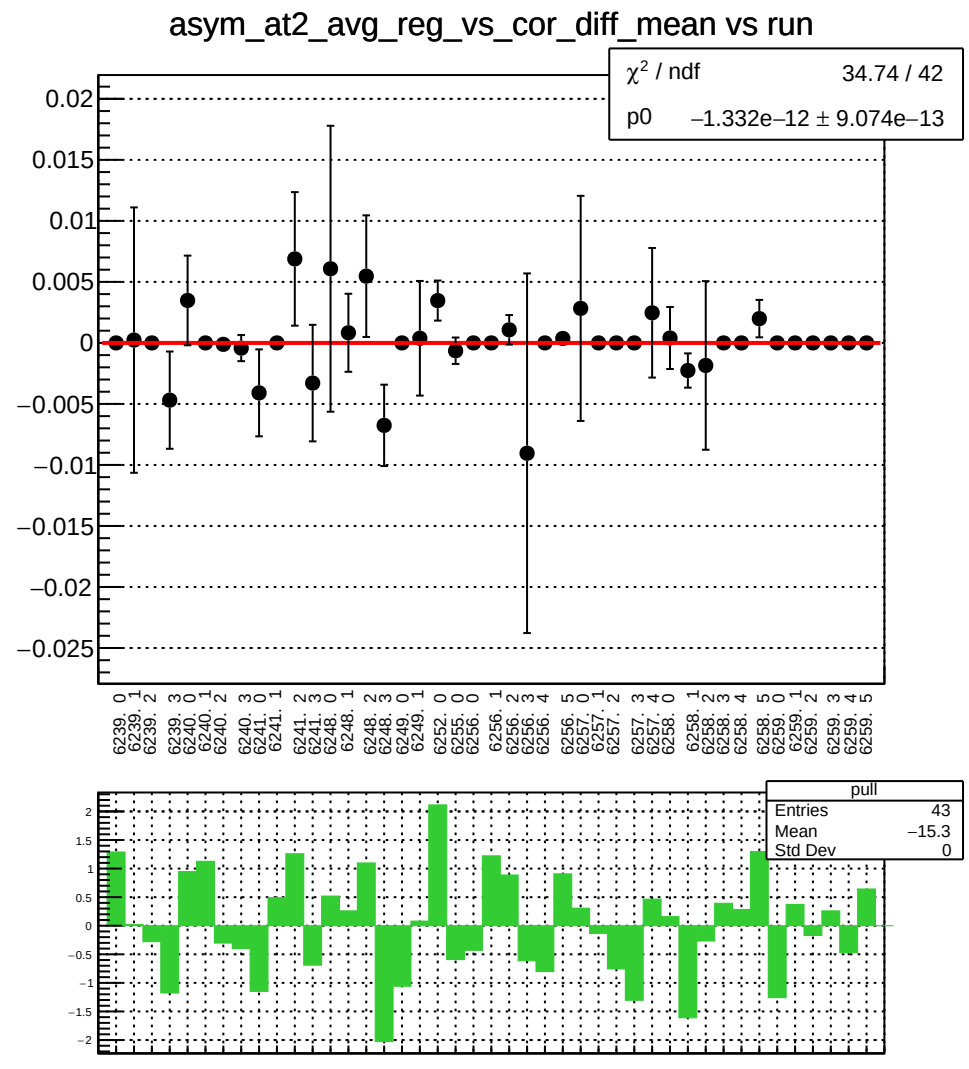



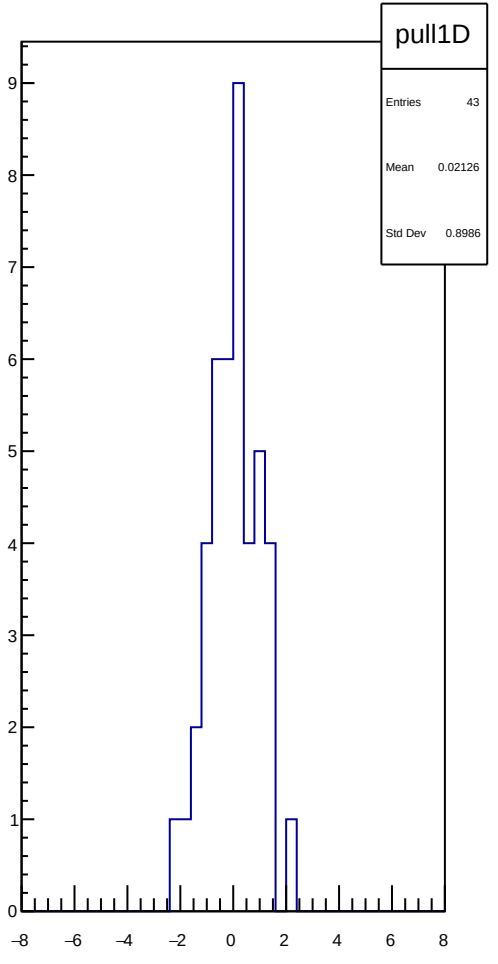

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1767 / 42
p0 7385 ± 7.928
8400
8200
8000
7800
7600
7400
7200
7000
6800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

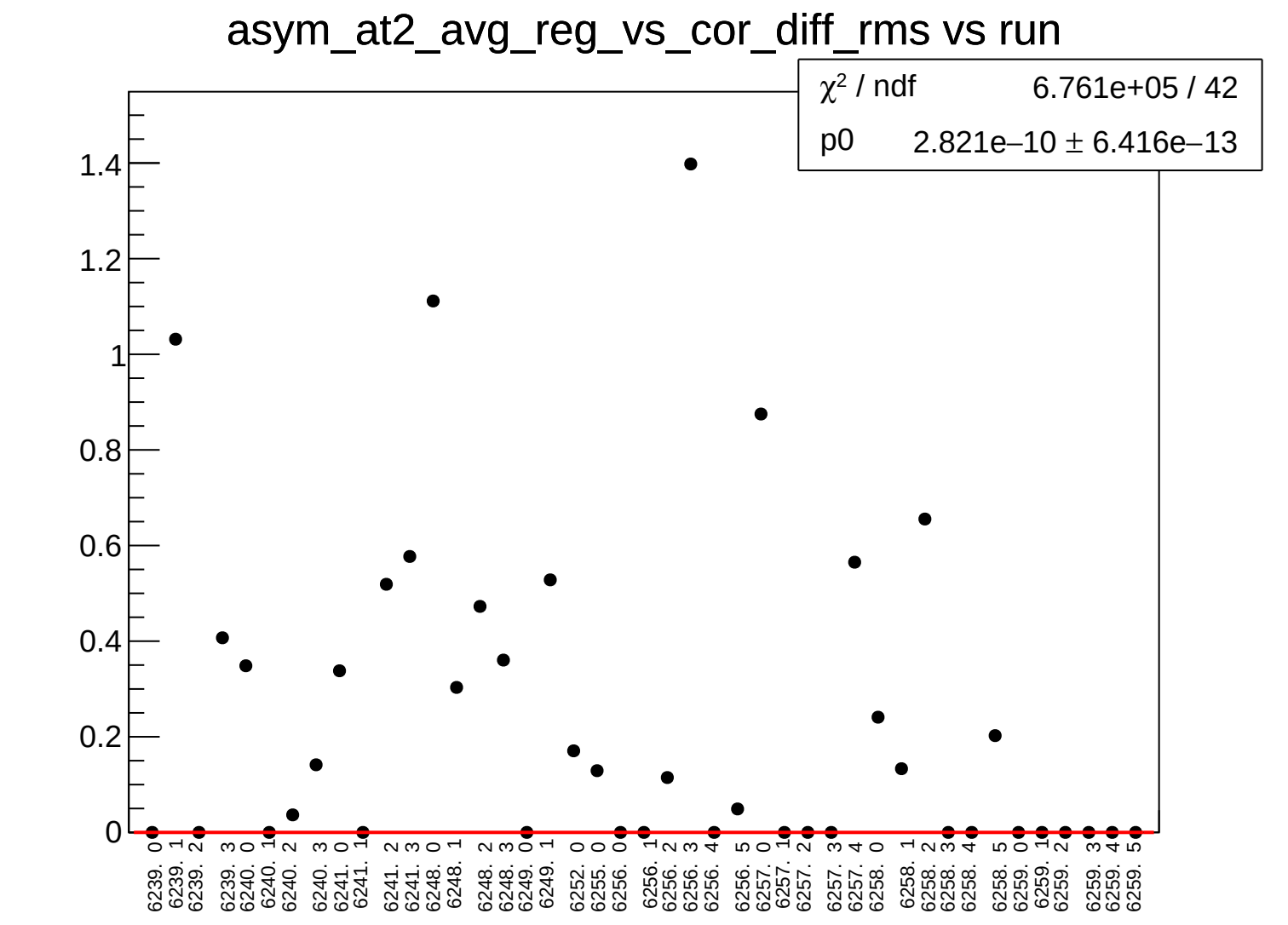

asym_at2_avg_mean vs run
×10^3
χ² / ndf 41.79 / 42
p0 5633 ± 1.144e+04
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 70.58
Std Dev 0
3
2
1
0
−1
−2

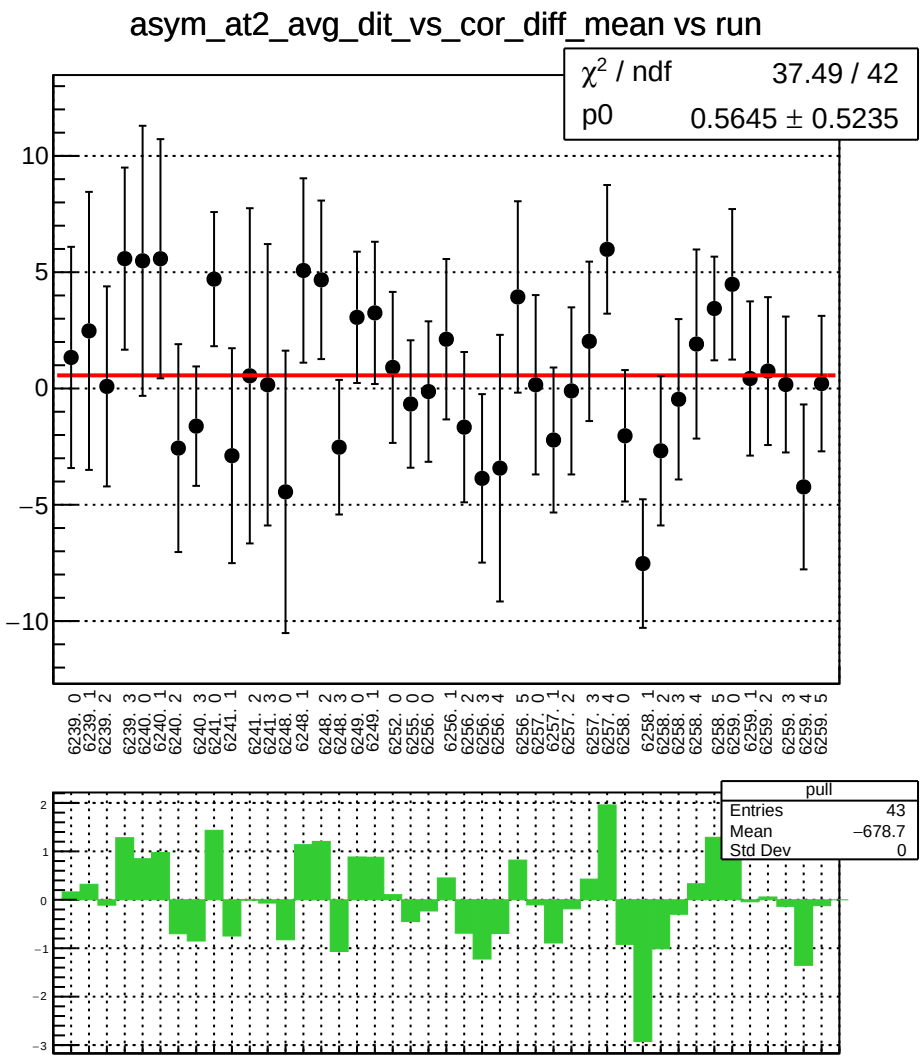

pull1D
Entries 43
Mean −0.03884
Std Dev 0.9851
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

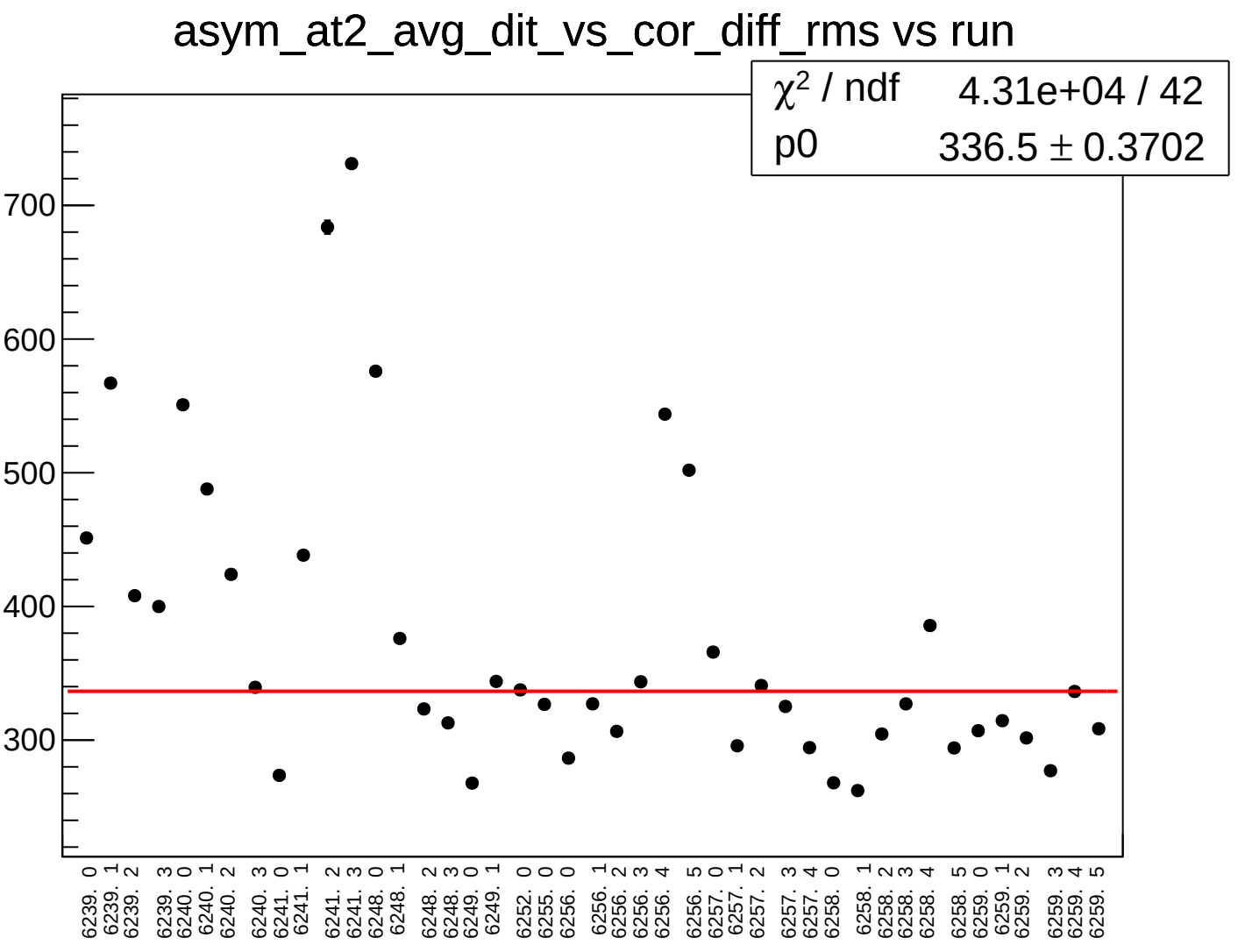

asym_at2_avg_rms vs run
χ² / ndf 1714 / 42
p0 7538 ± 8.093
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

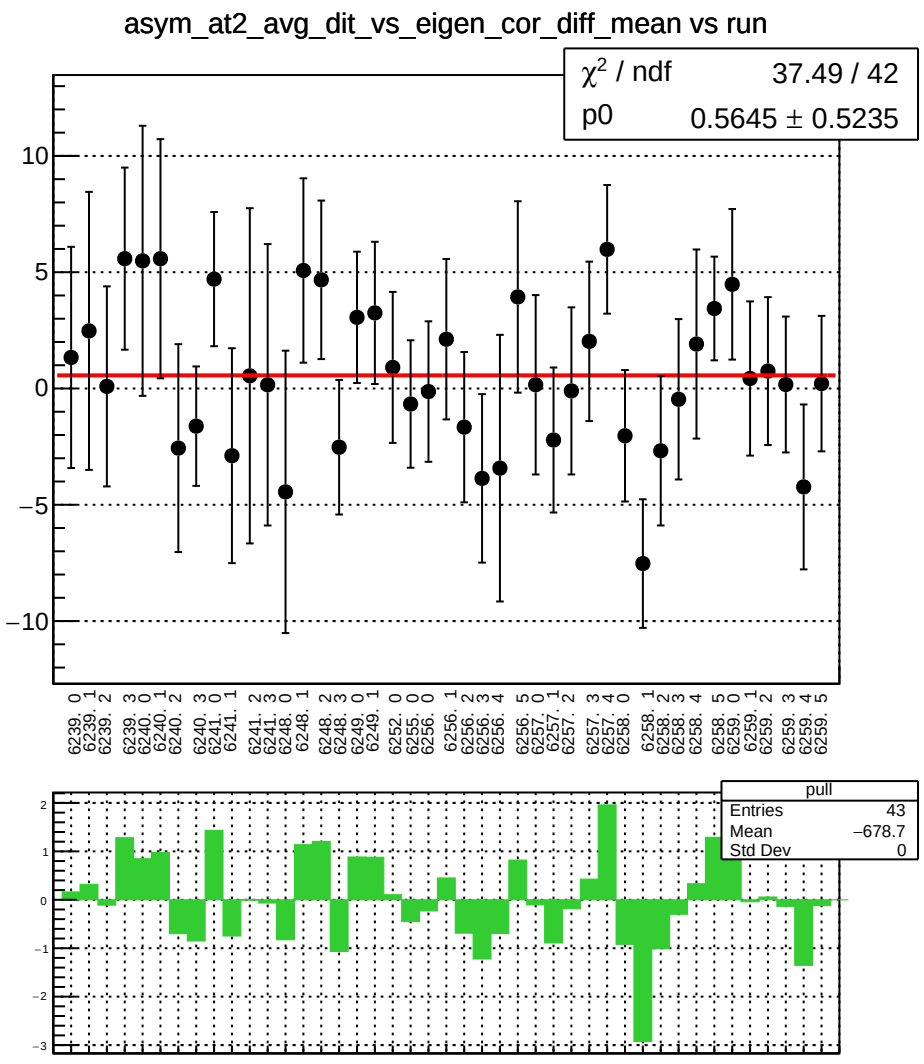

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.74 / 42
p0 −1.332e−12 ± 9.074e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

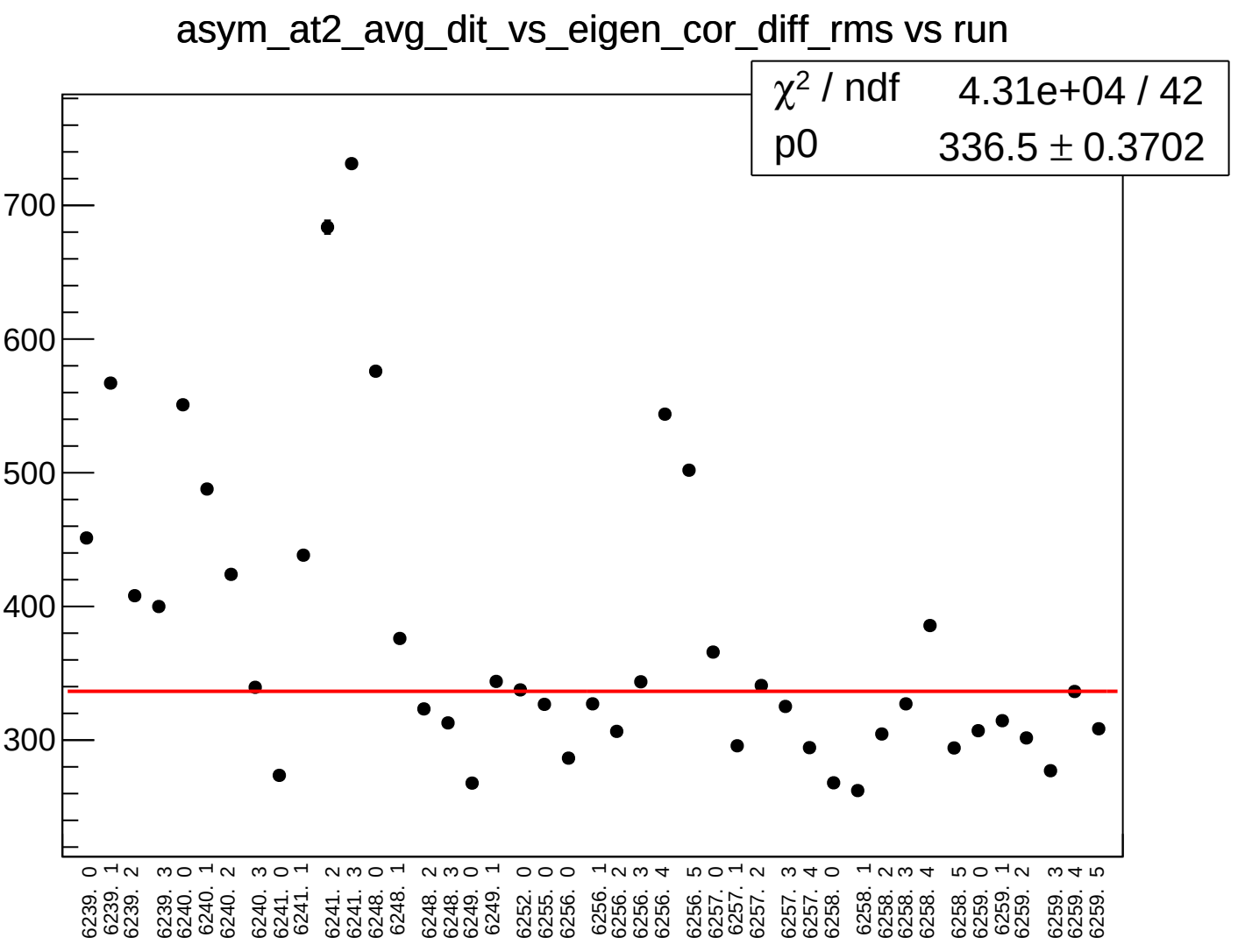

pull1D
Entries 43
Mean 0.02126
Std Dev 0.8986
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

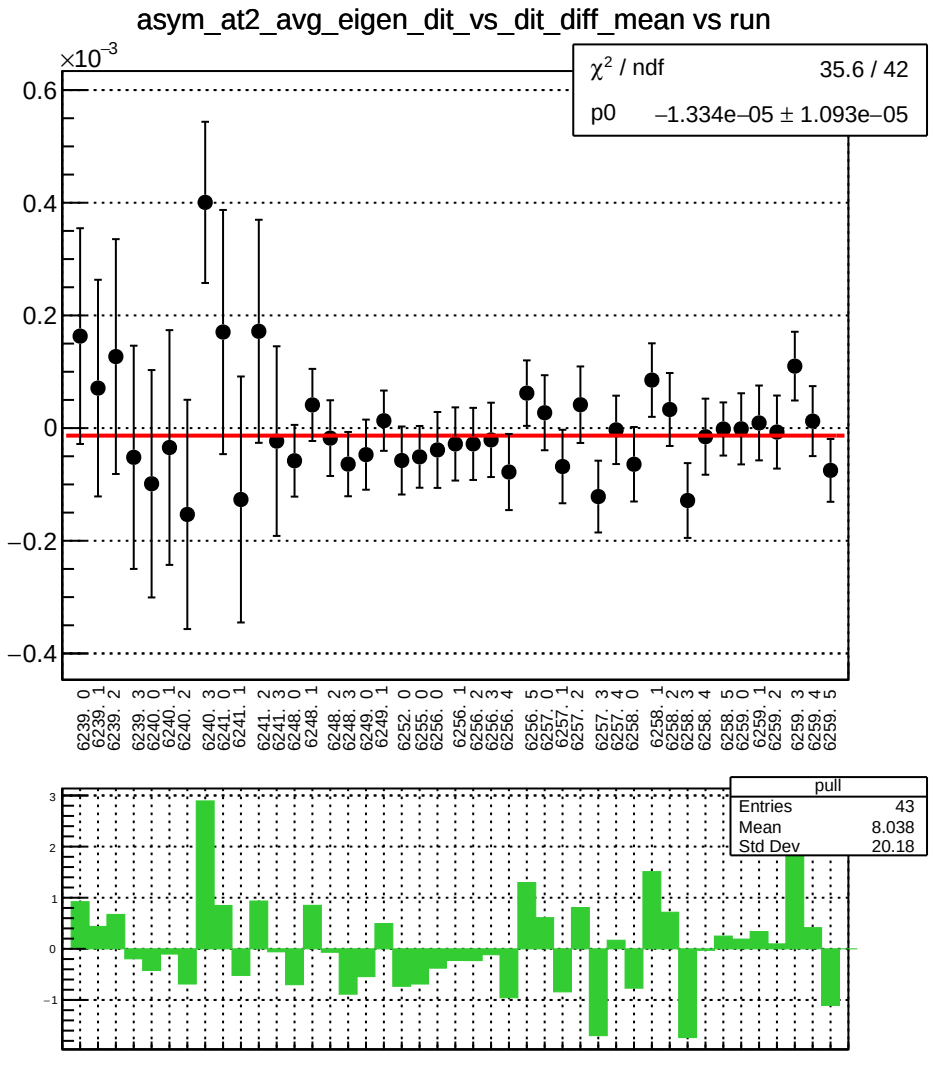

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.761e+05 / 42
p0 2.821e−10 ± 6.416e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

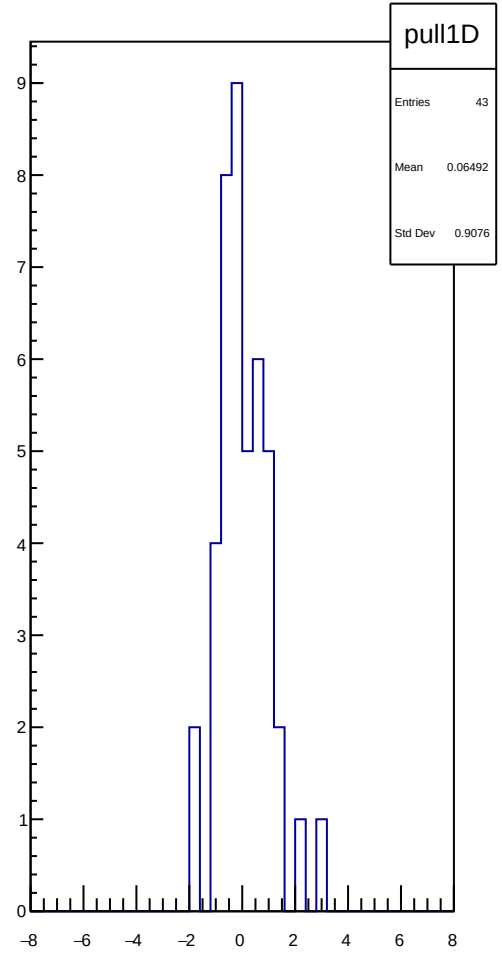

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.49 / 42
p0 0.5645 ± 0.5235
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −678.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.00306
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

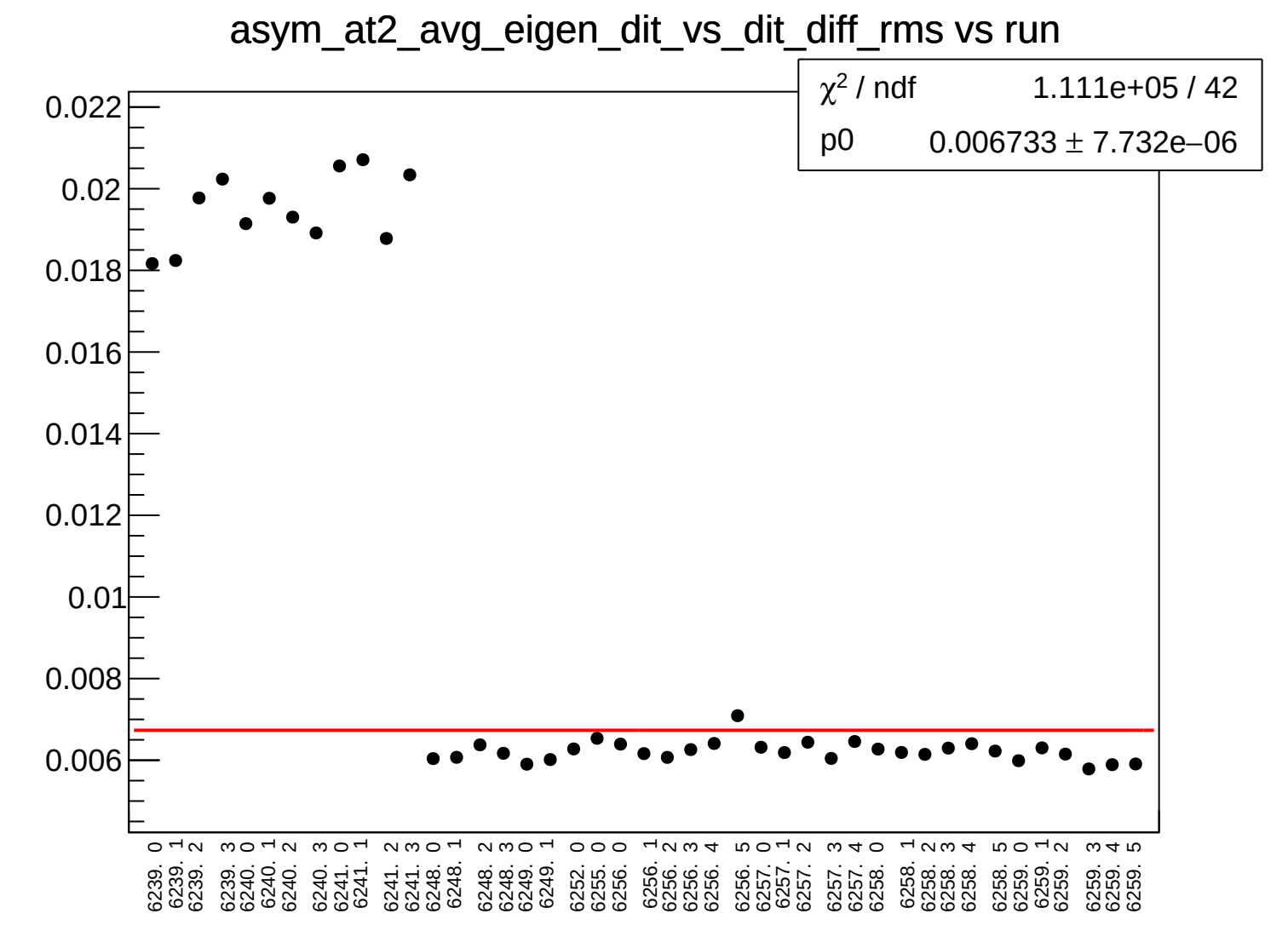

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.31e+04 / 42
p0 336.5 ± 0.3702
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

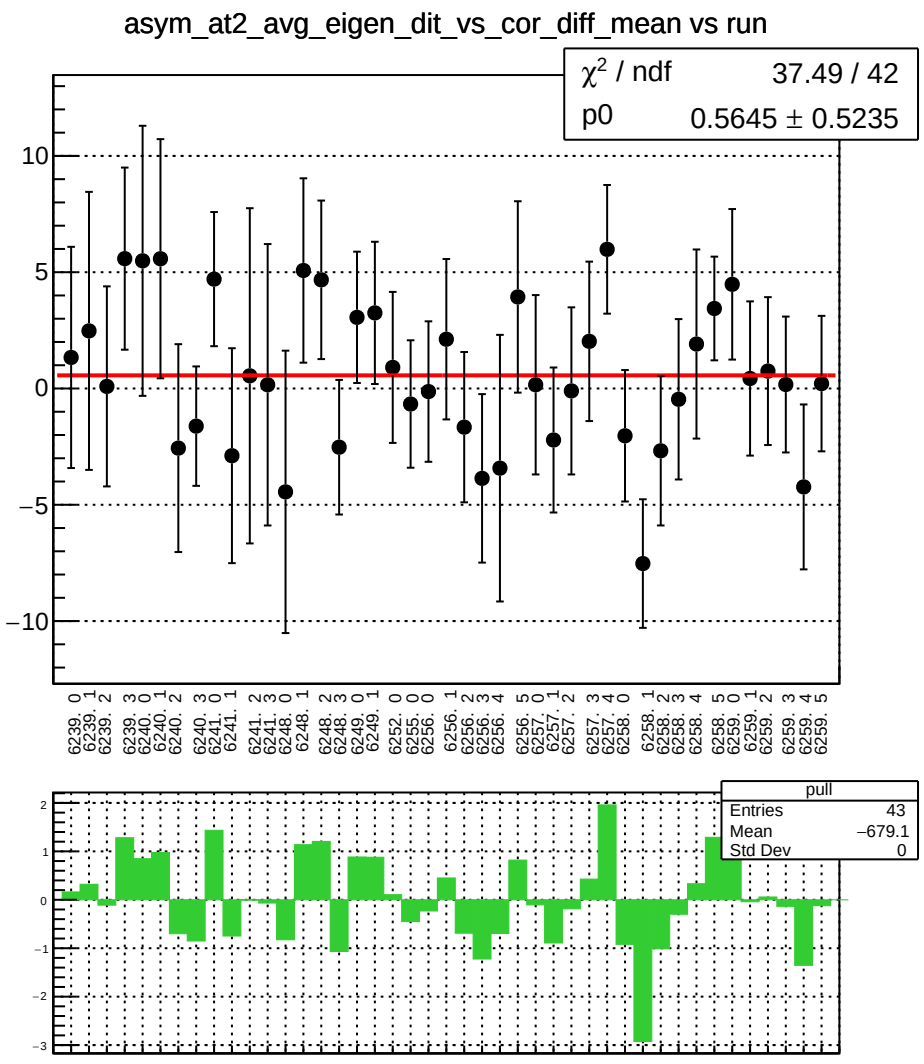

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.49 / 42
p0 0.5645 ± 0.5235
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −678.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.00306
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

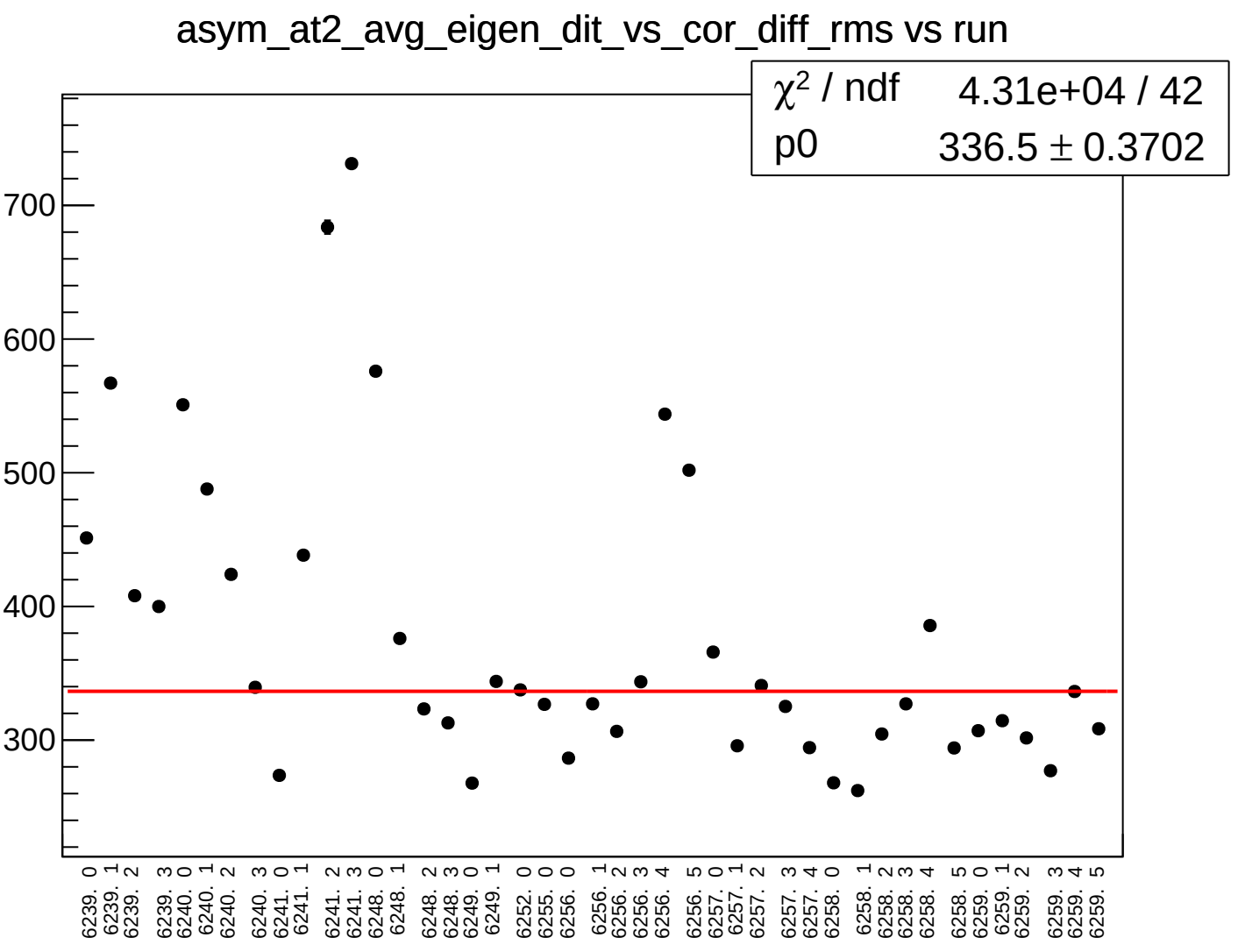

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.31e+04 / 42
p0 336.5 ± 0.3702
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

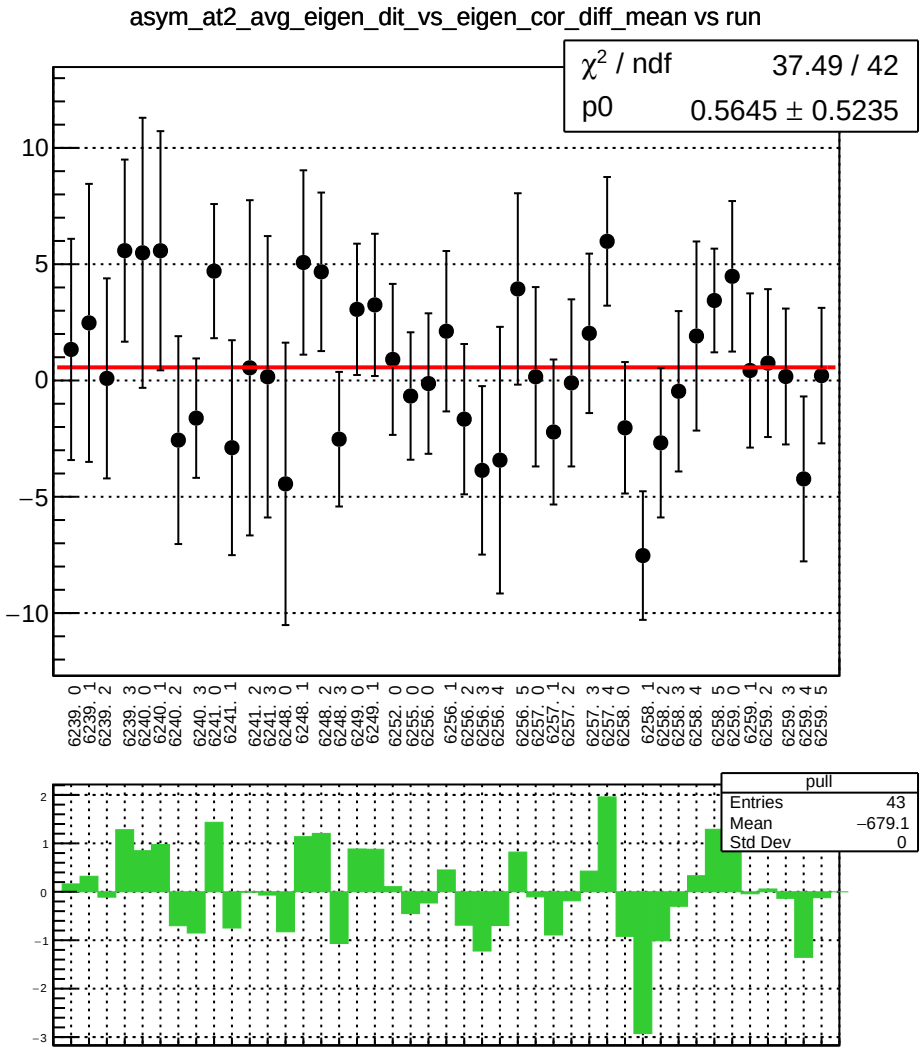

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.6 / 42
p0 −1.334e−05 ± 1.093e−05
0.6
0.4
0.2
0
−0.2
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.038
Std Dev 20.18
3
2
1
0
−1

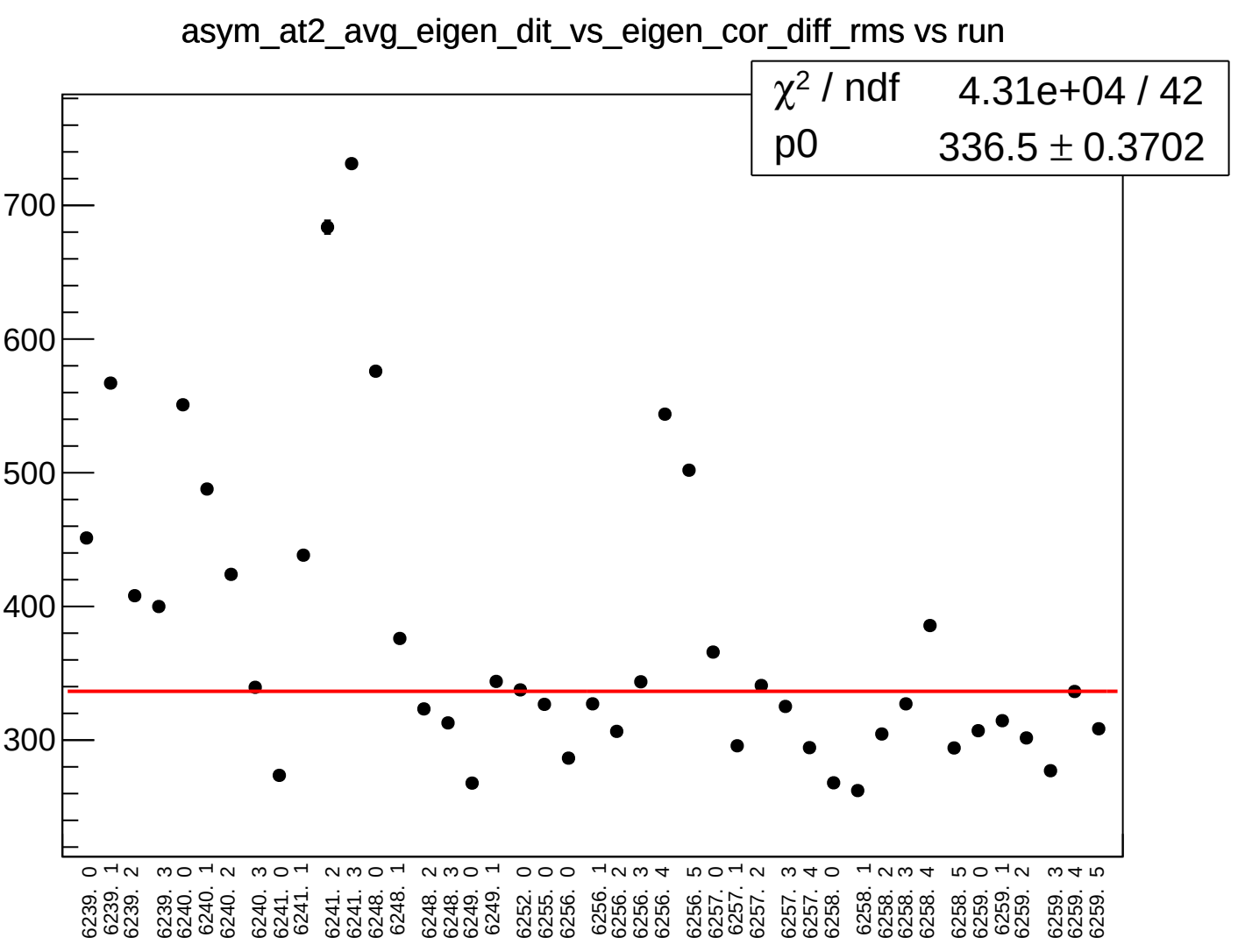

pull1D
Entries 43
Mean 0.06492
Std Dev 0.9076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

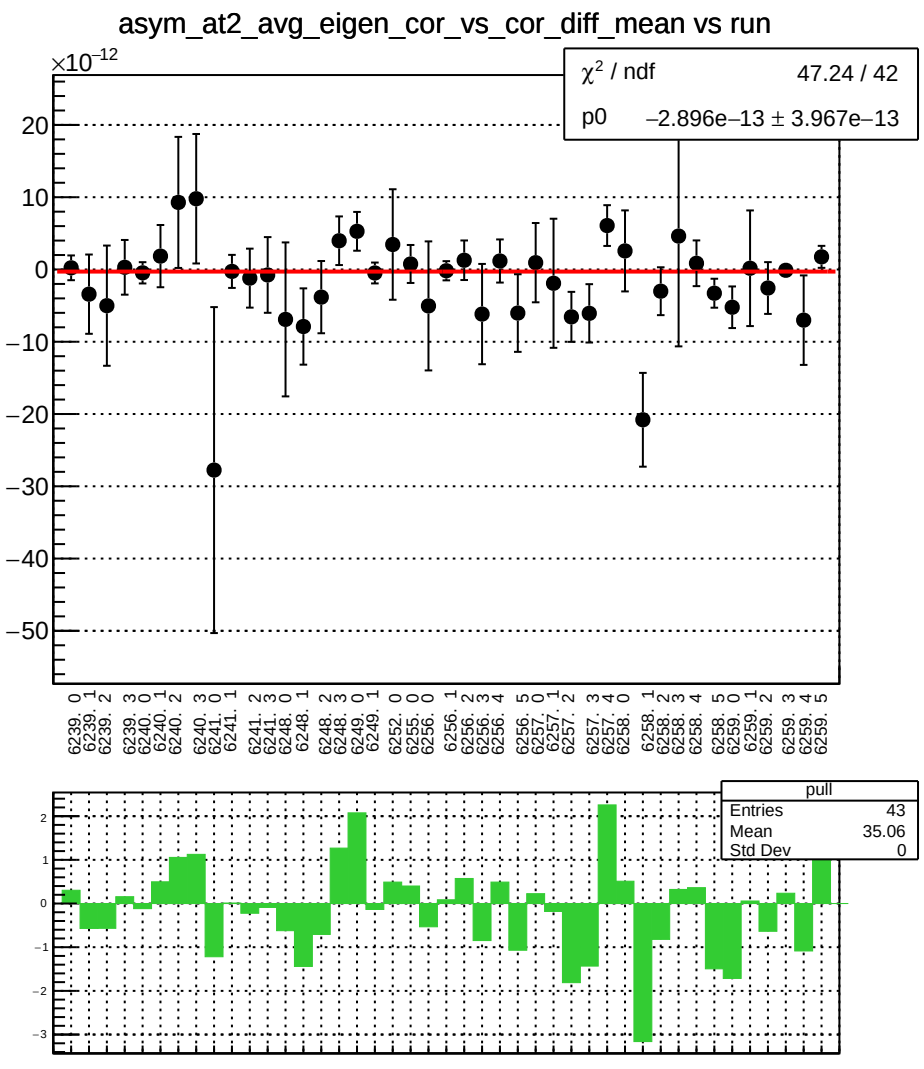

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.111e+05 / 42
p0 0.006733 ± 7.732e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

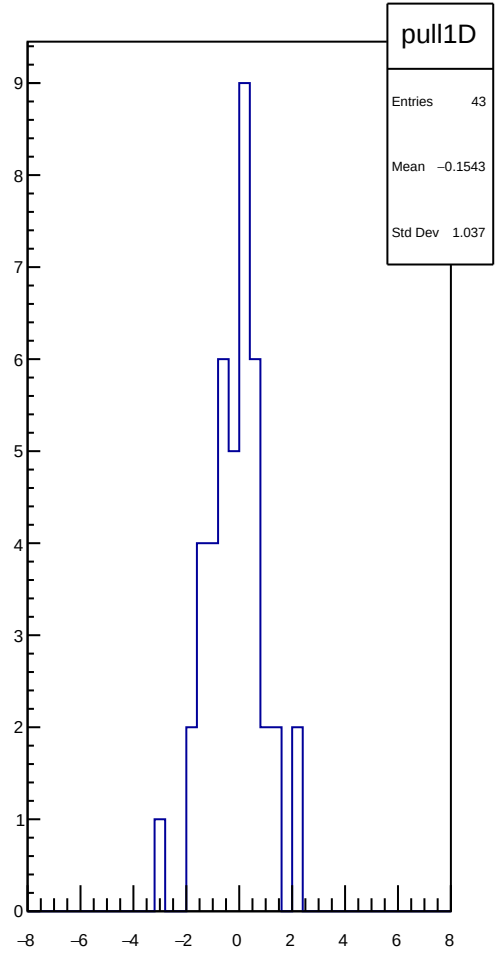

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.49 / 42
p0 0.5645 ± 0.5235
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −679.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.003059
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

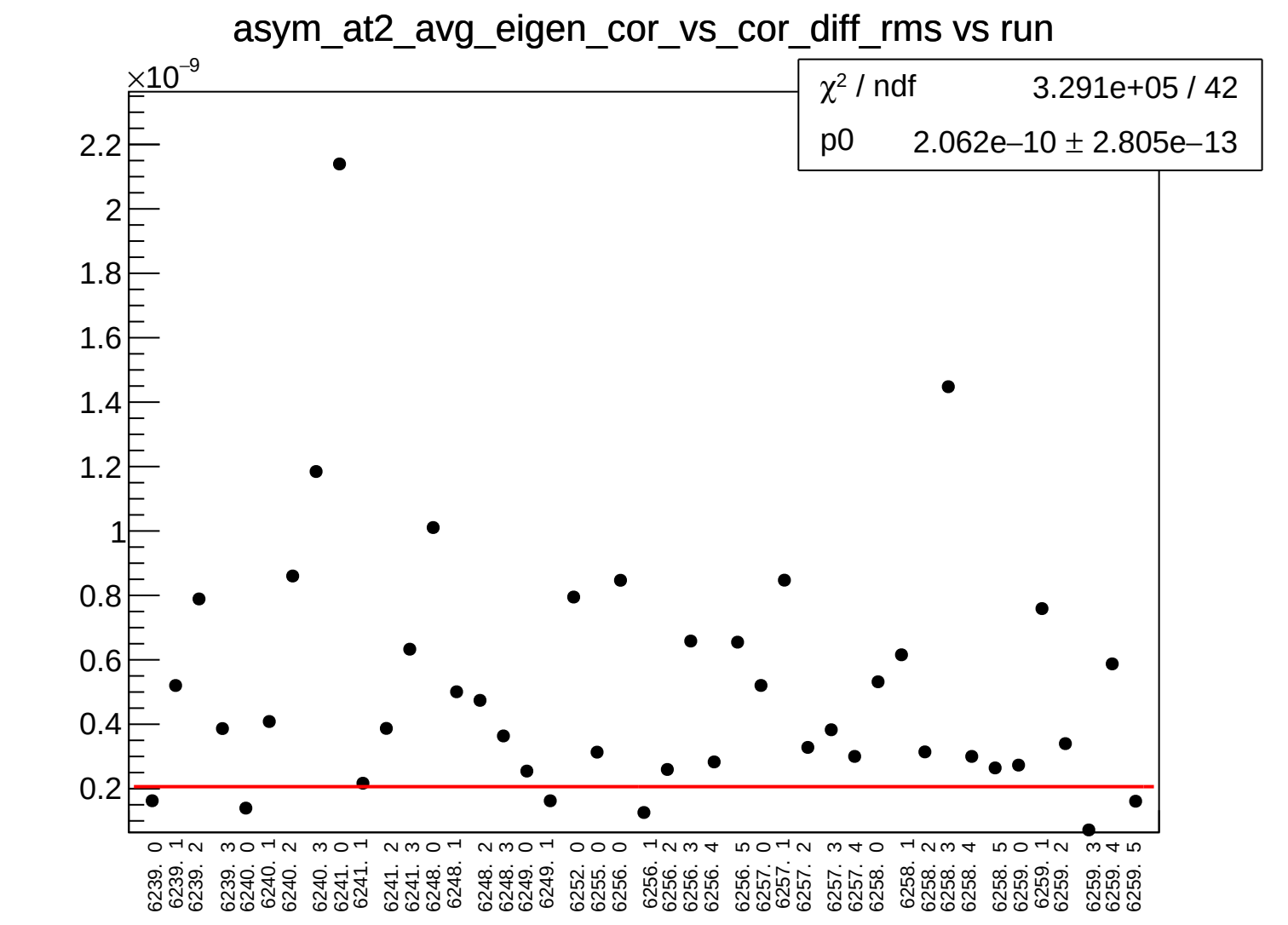

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.31e+04 / 42
p0 336.5 ± 0.3702
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

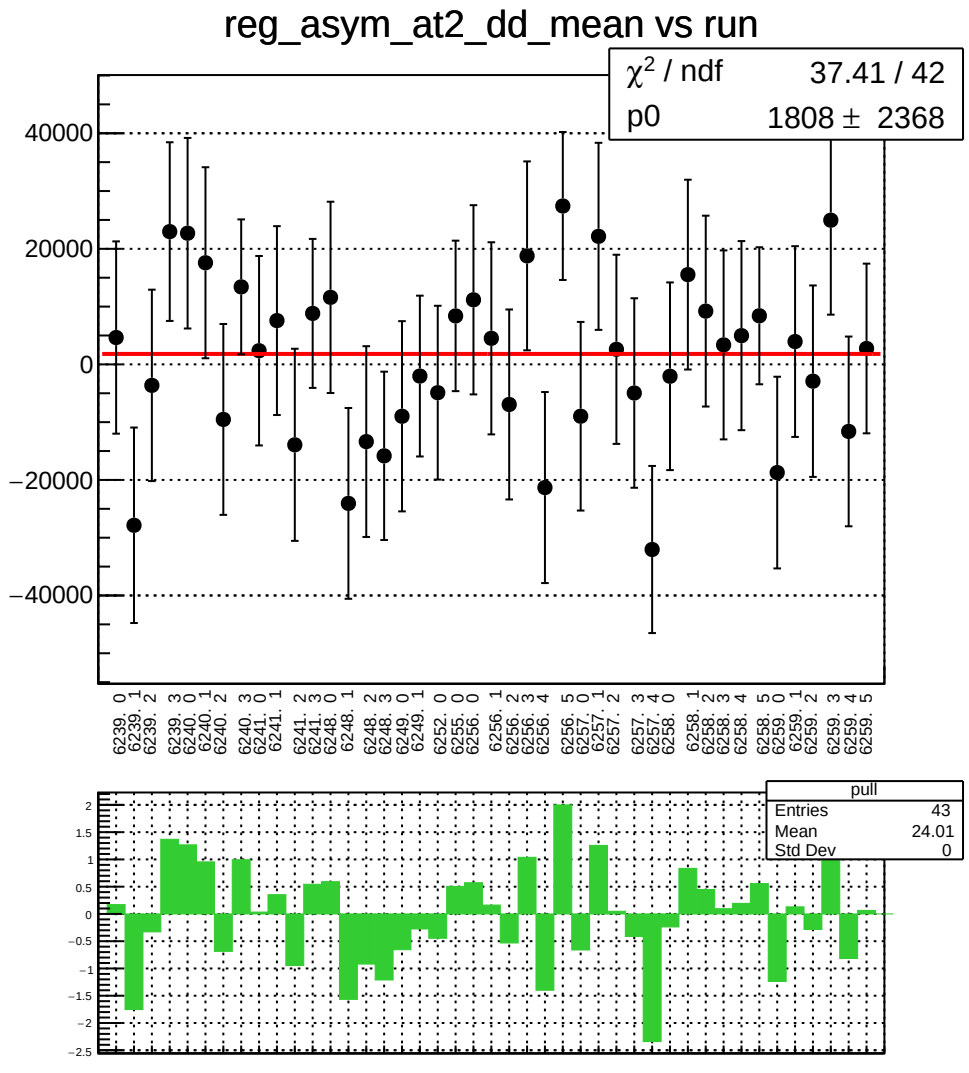

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.49 / 42
p0 0.5645 ± 0.5235
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −679.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.003059
Std Dev 0.9338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

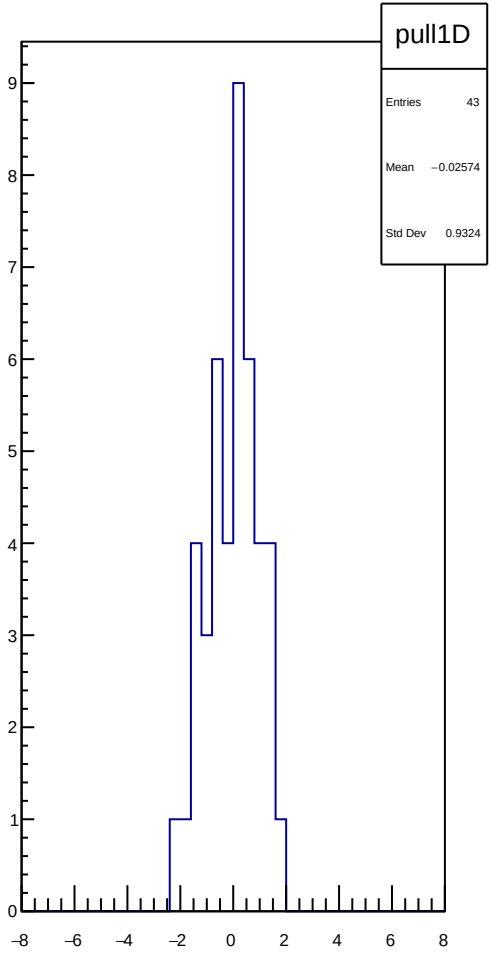

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.31e+04 / 42
p0 336.5 ± 0.3702
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

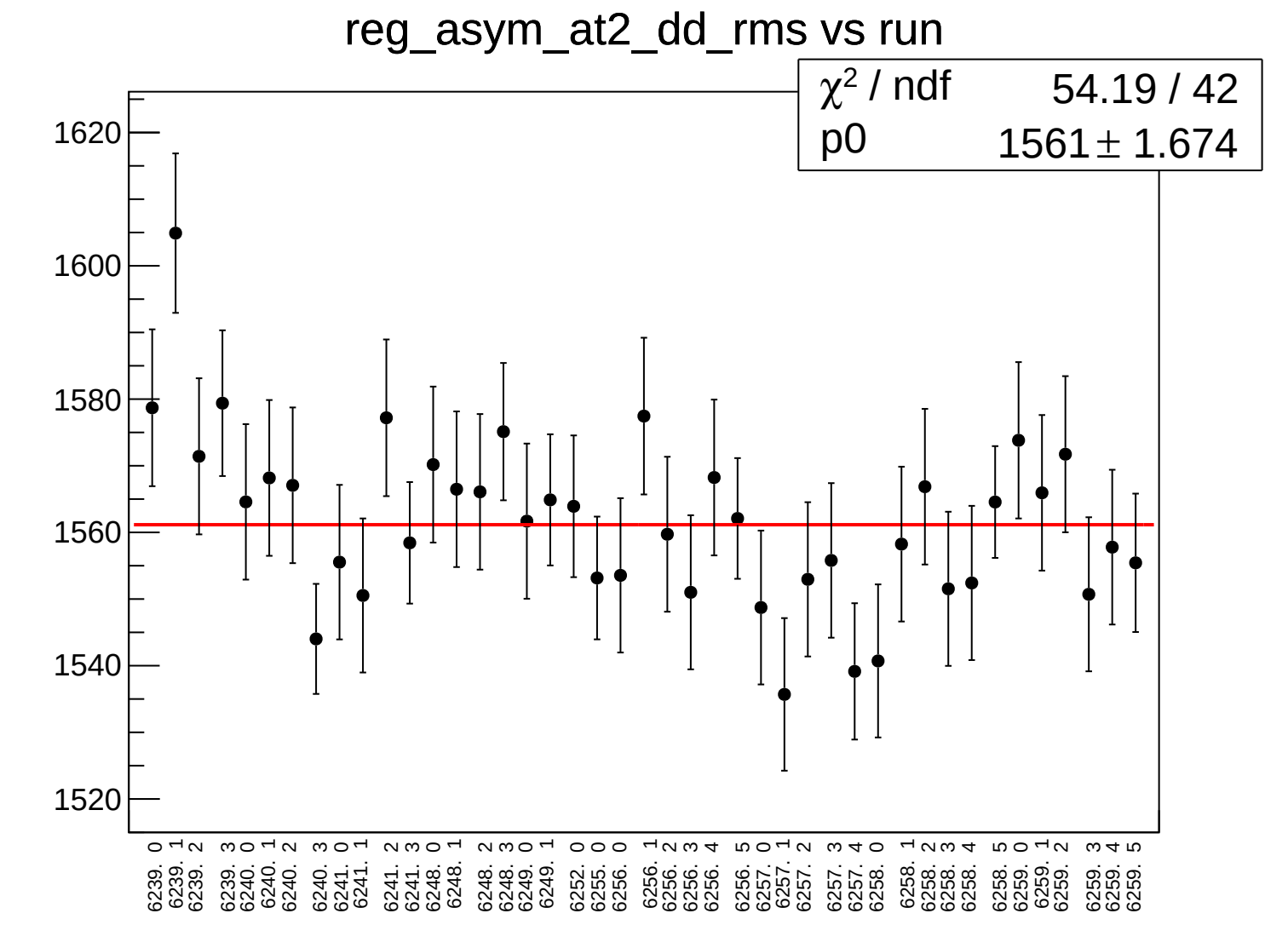

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.24 / 42
p0 −2.896e−13 ± 3.967e−13
pull
Entries 43
Mean 35.06
Std Dev 0

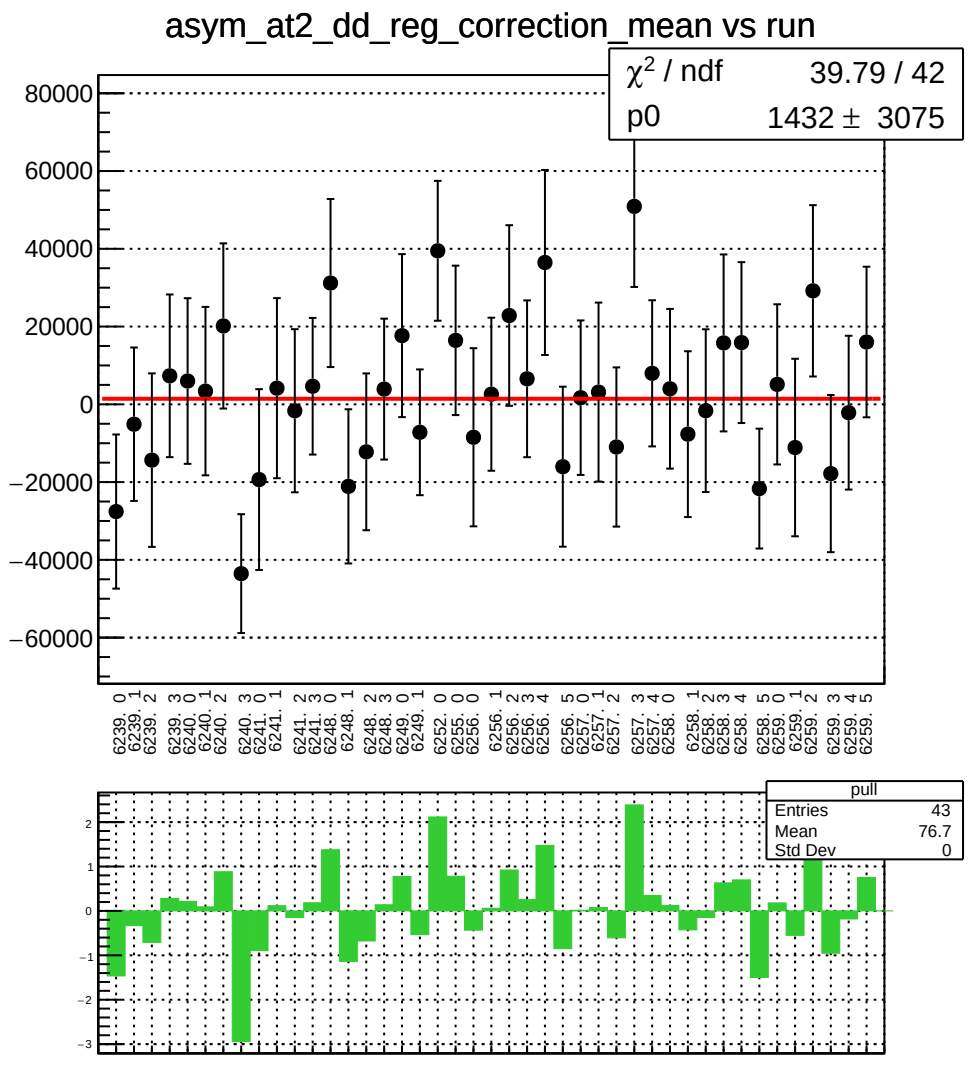

pull1D
Entries 43
Mean −0.1543
Std Dev 1.037

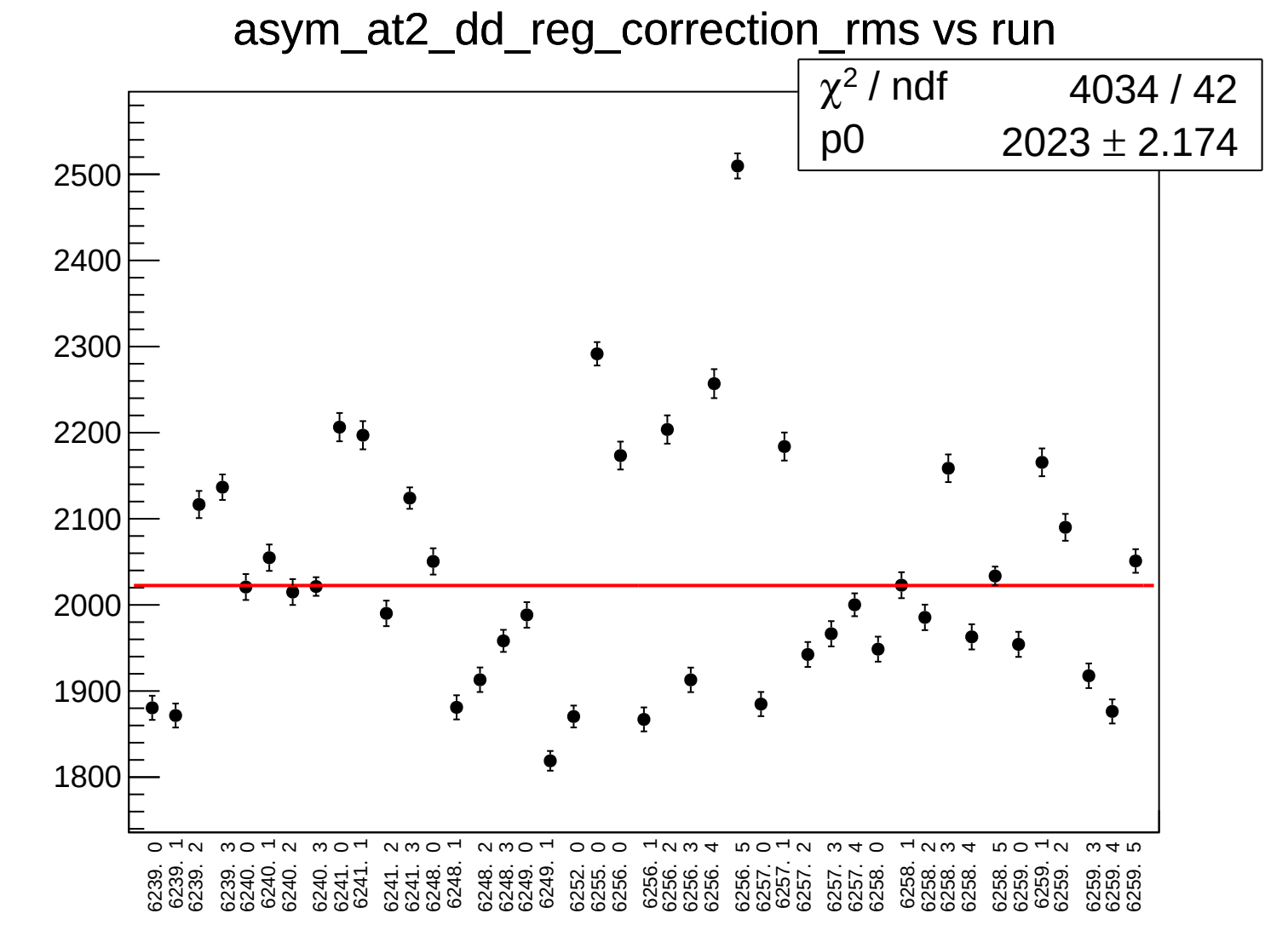

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.291e+05 / 42
p0 2.062e−10 ± 2.805e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

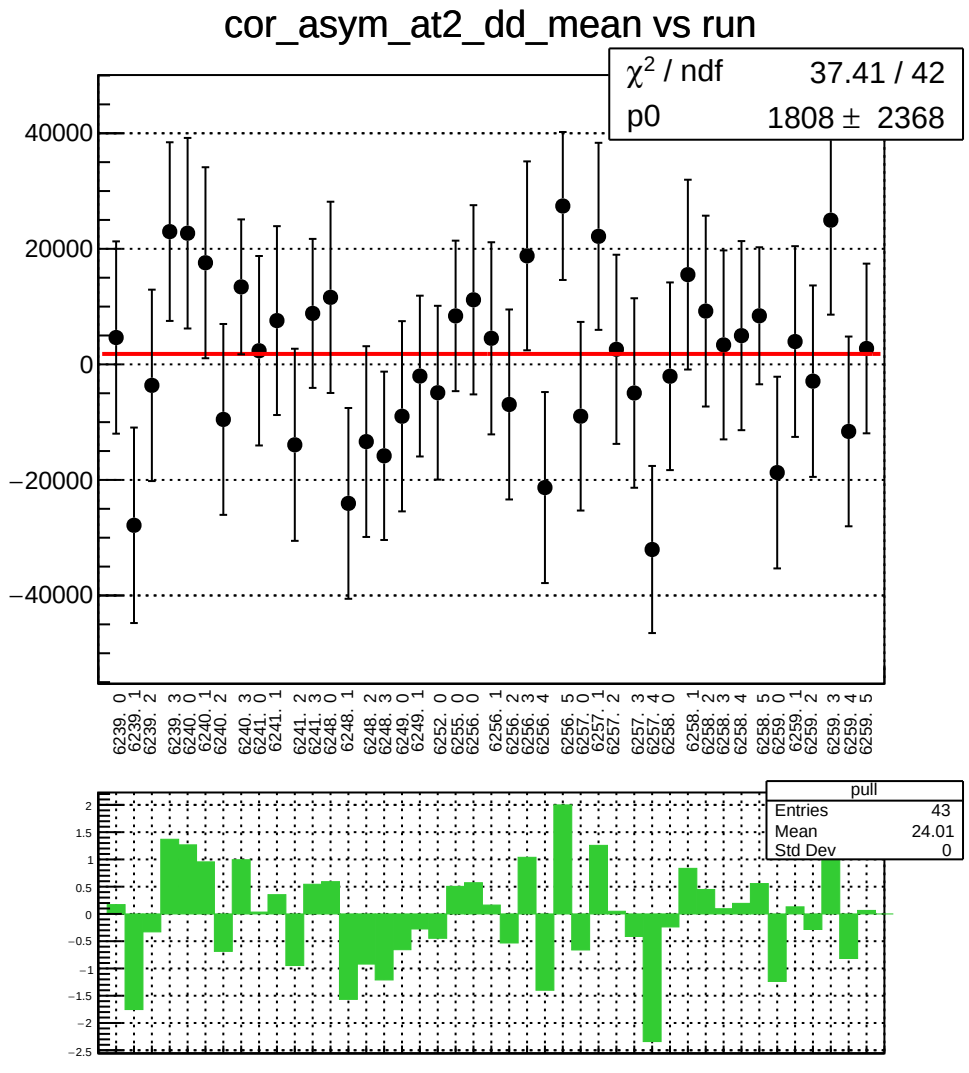

reg_asym_at2_dd_mean vs run
χ² / ndf 37.41 / 42
p0 1808 ± 2368
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 24.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

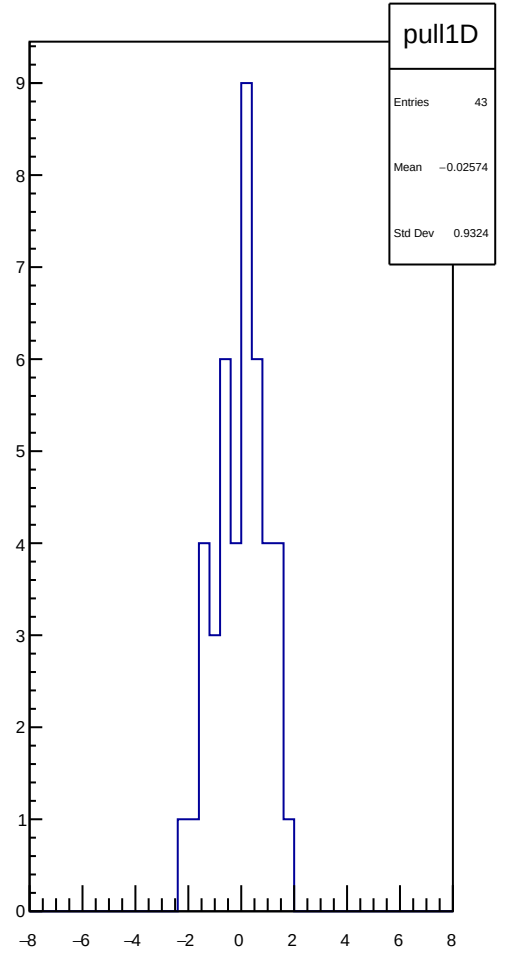

pull1D
Entries 43
Mean −0.02574
Std Dev 0.9324
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

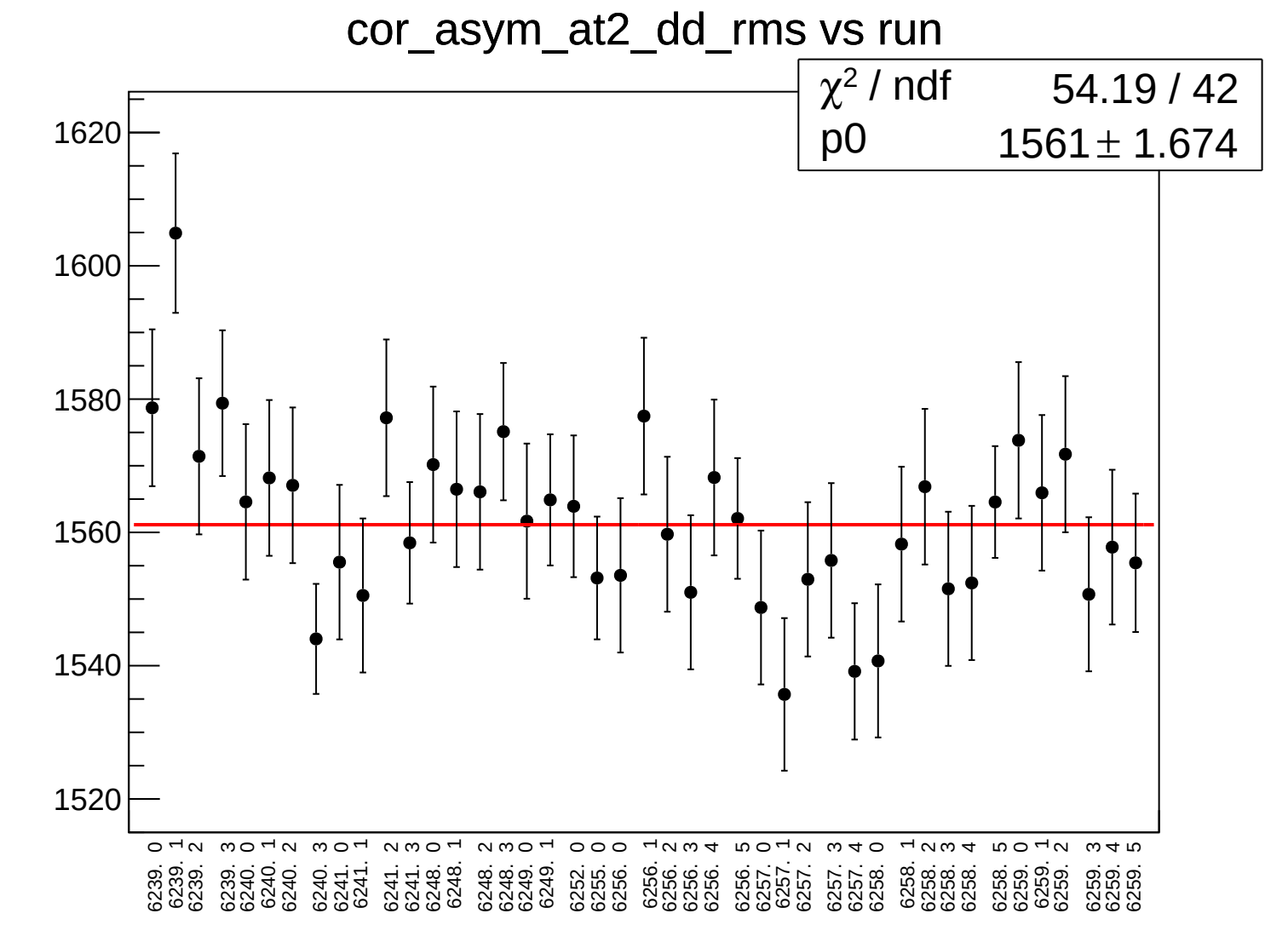

reg_asym_at2_dd_rms vs run
χ² / ndf 54.19 / 42
p0 1561 ± 1.674
1620
1600
1580
1560
1540
1520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

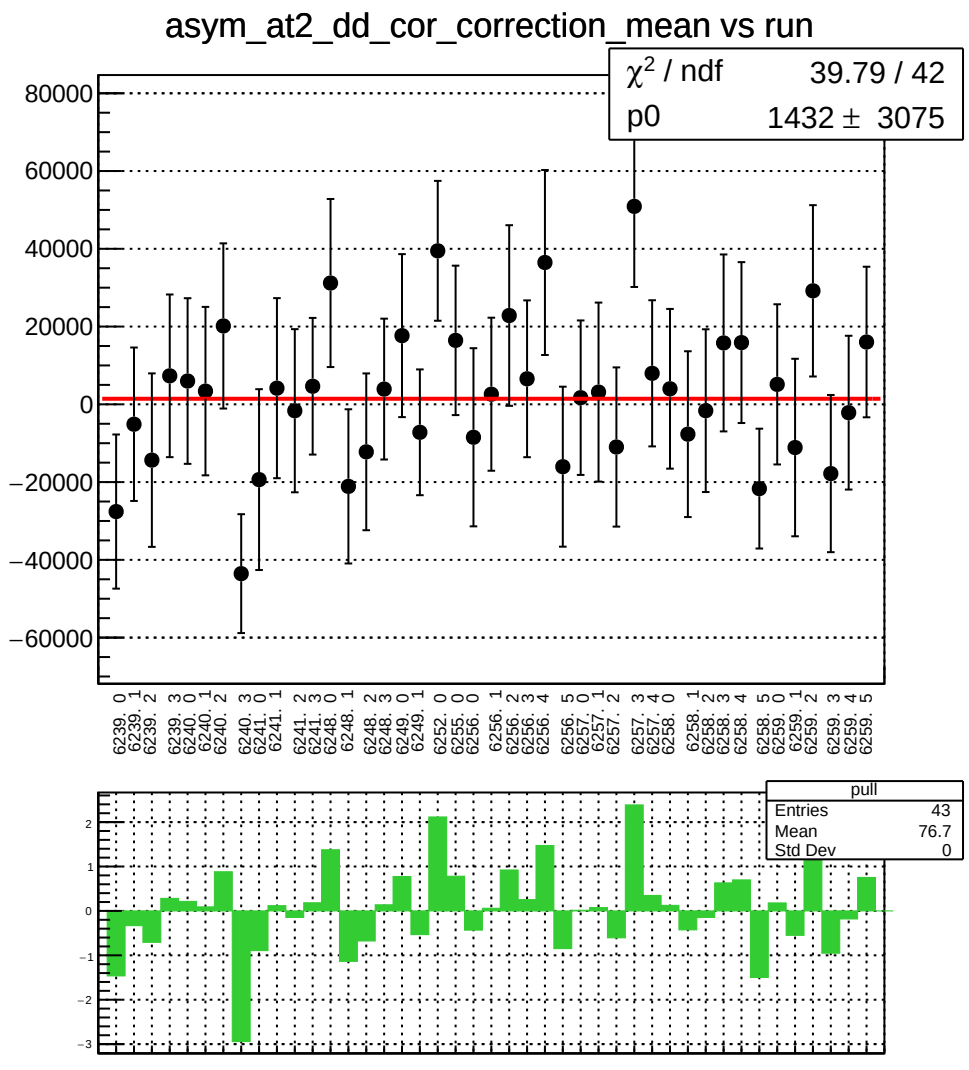

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 39.79 / 42
p0 1432 ± 3075
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03859
Std Dev 0.9612
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

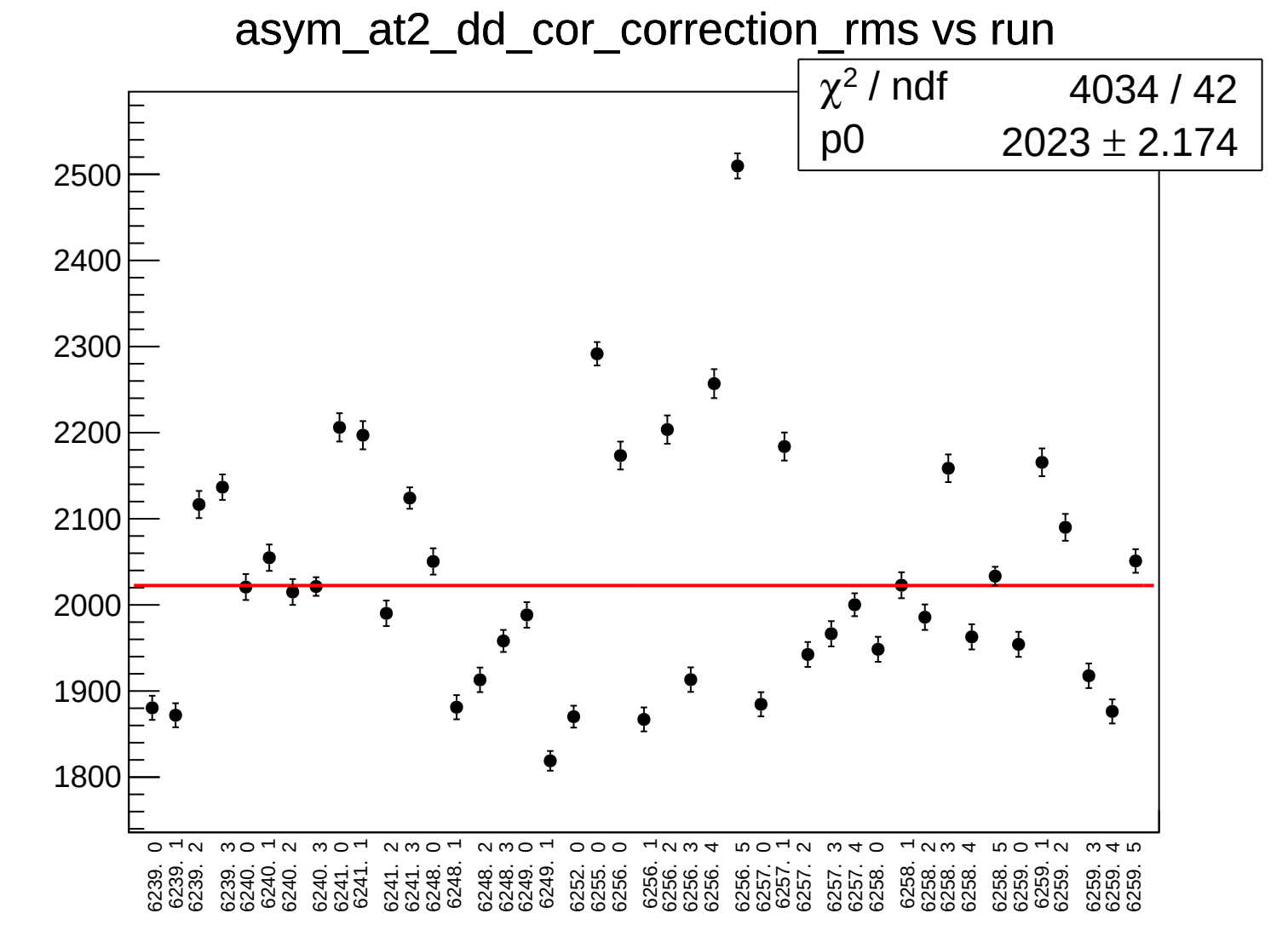

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 4034 / 42
p0 2023 ± 2.174
2500
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_at2_dd_mean vs run
χ² / ndf 37.41 / 42
p0 1808 ± 2368
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 24.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.02574
Std Dev 0.9324
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_dd_rms vs run
χ² / ndf 54.19 / 42
p0 1561 ± 1.674
1620
1600
1580
1560
1540
1520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at2_dd_cor_correction_mean vs run
χ² / ndf 39.79 / 42
p0 1432 ± 3075
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03859
Std Dev 0.9612
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_cor_correction_rms vs run
χ² / ndf 4034 / 42
p0 2023 ± 2.174
2500
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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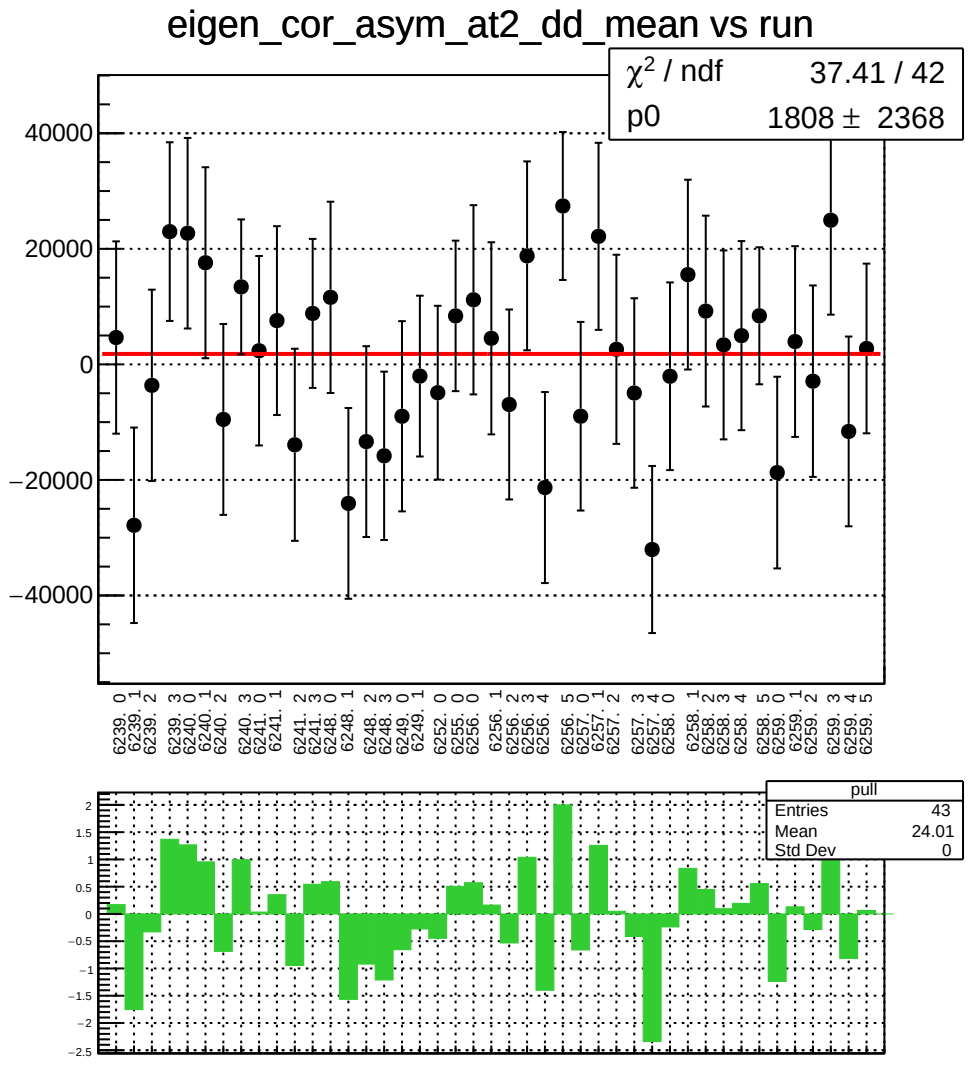
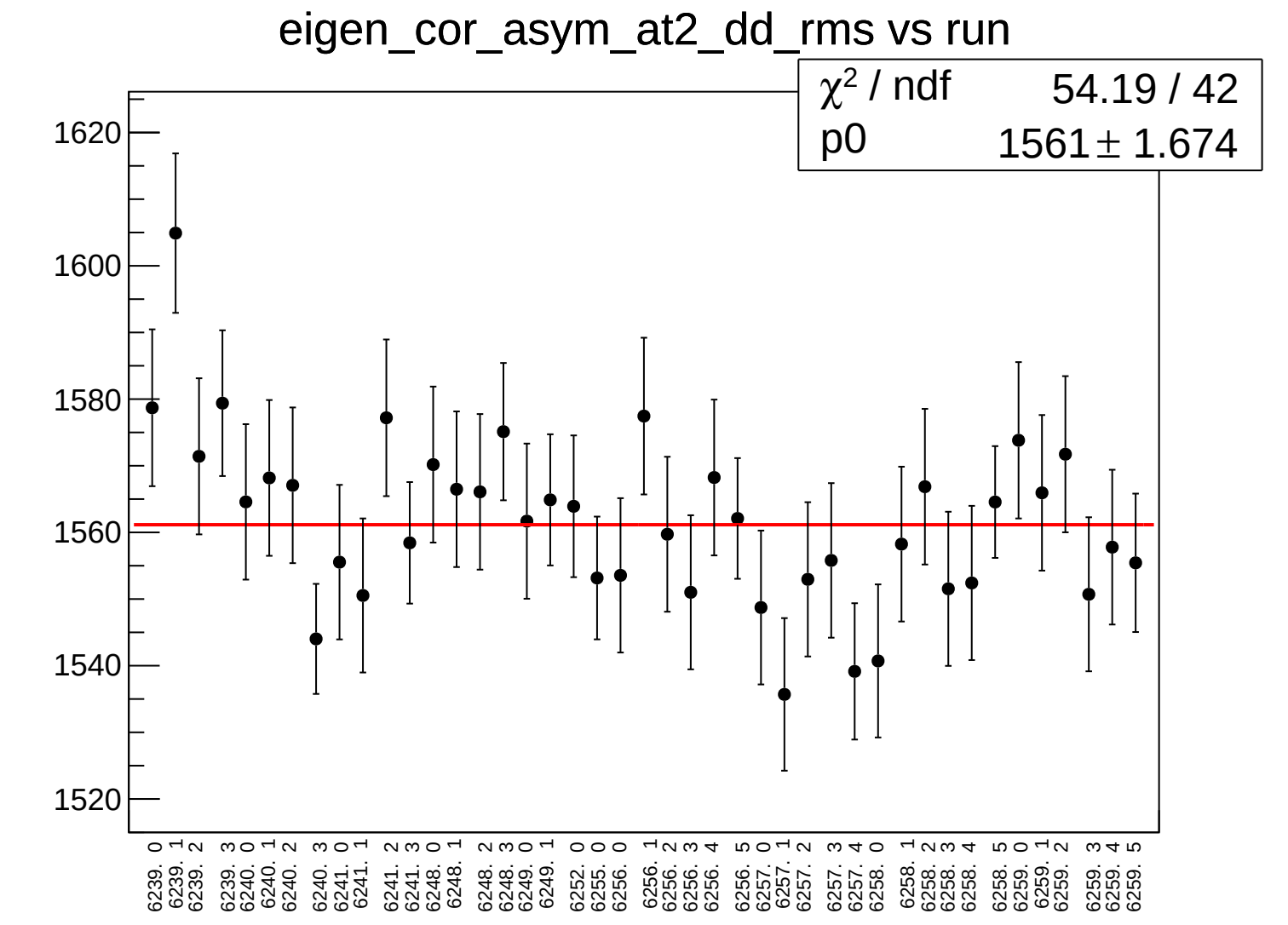
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 37.41 / 42
p0 1808 ± 2368
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 24.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.02574
Std Dev 0.9324
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 54.19 / 42
p0 1561 ± 1.674
1620
1600
1580
1560
1540
1520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6252. 0
6255. 0
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6256. 1
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6256. 4
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6257. 0
6257. 1
6257. 2
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6257. 4
6258. 0
6258. 1
6258. 2
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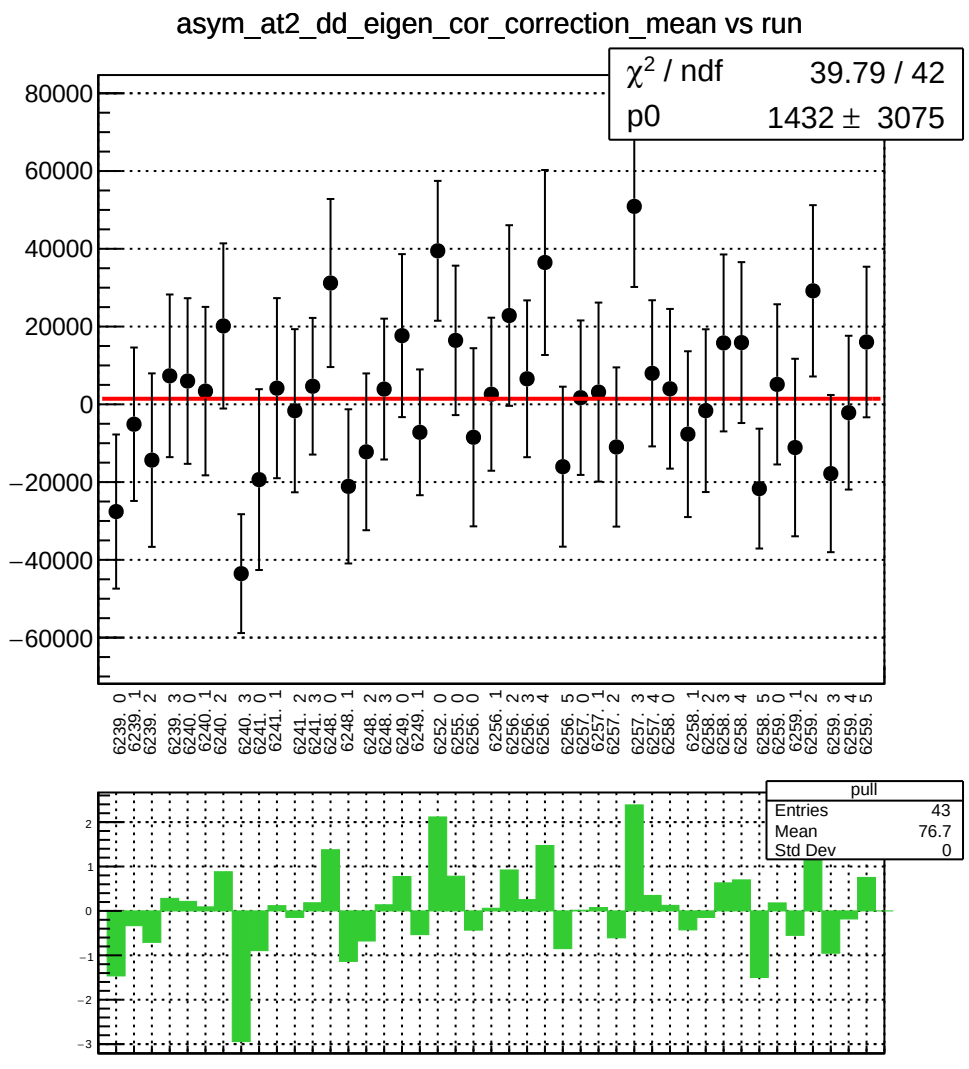
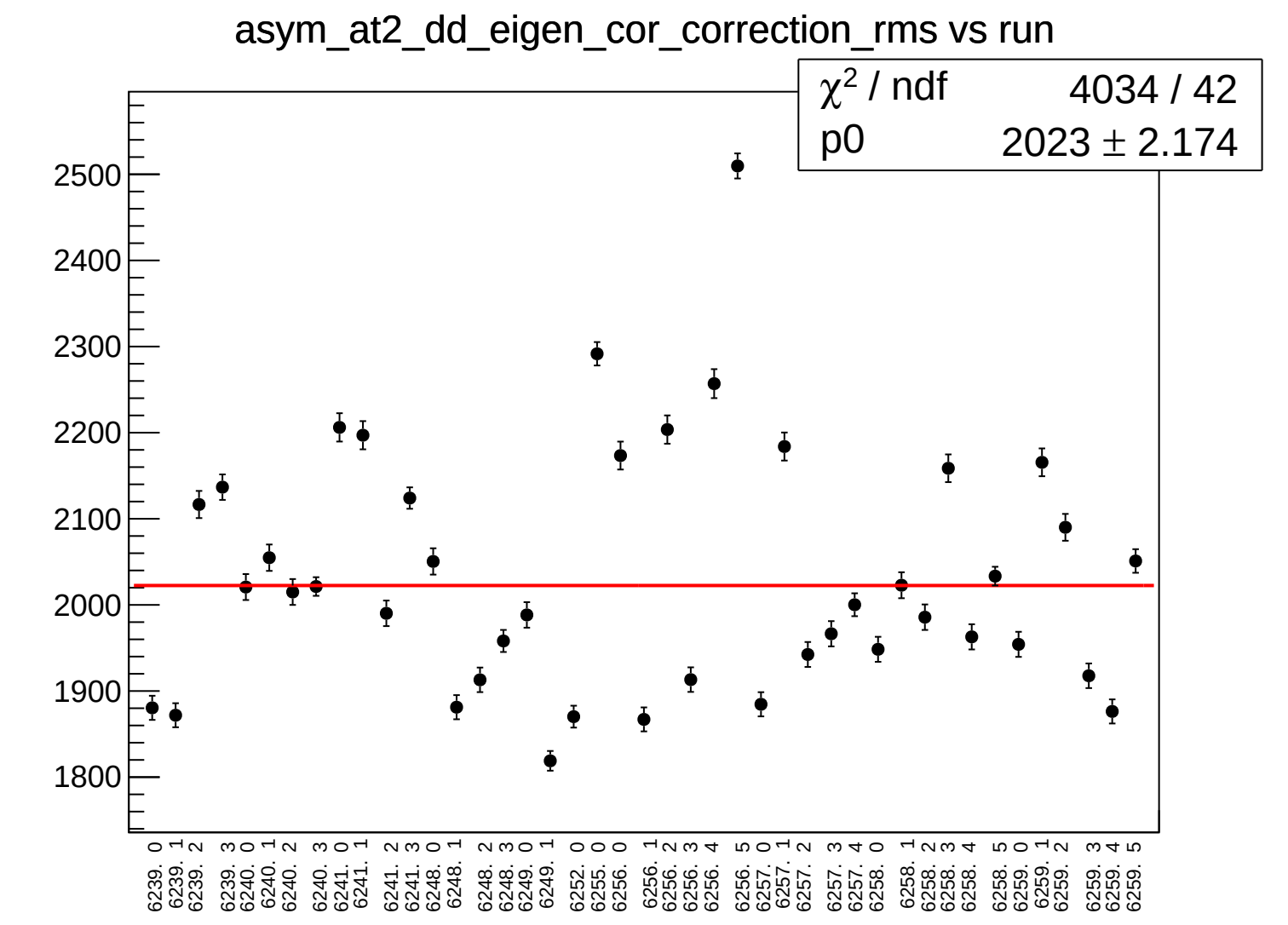
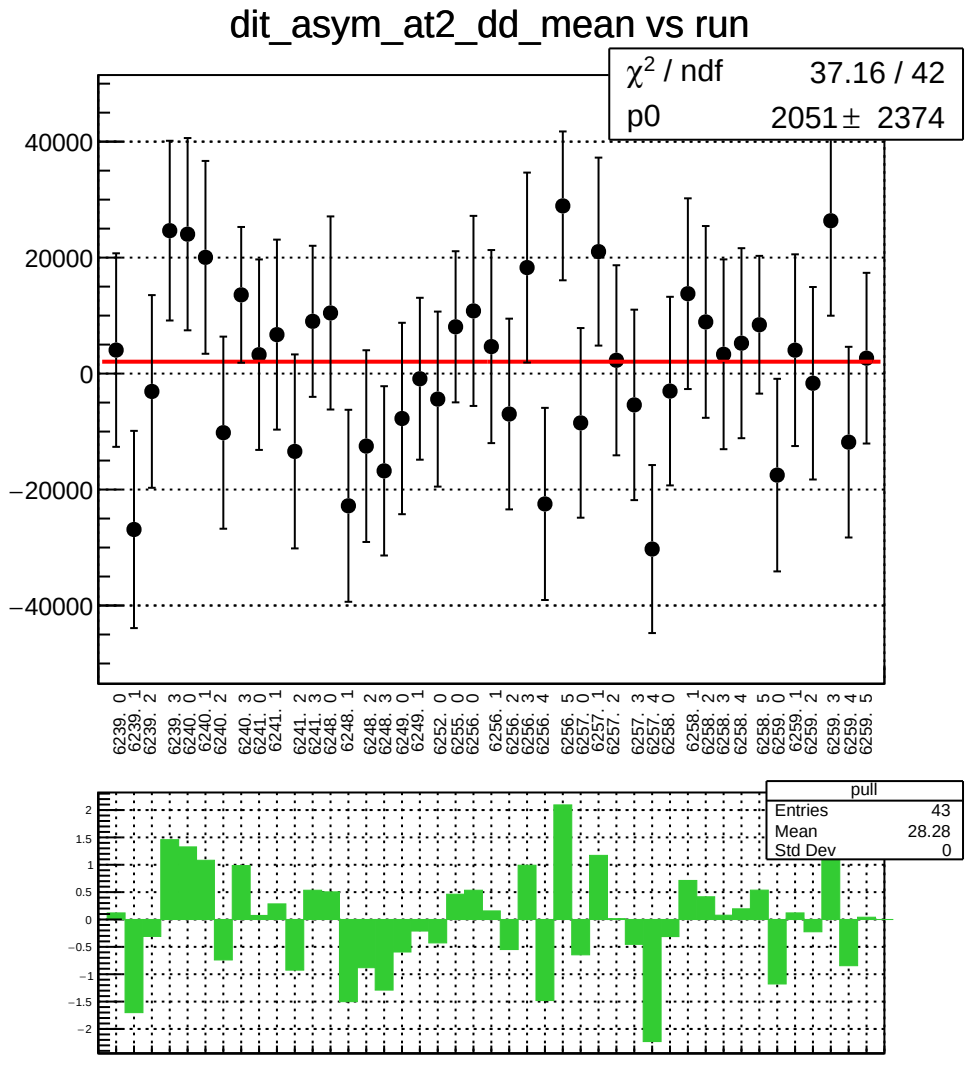
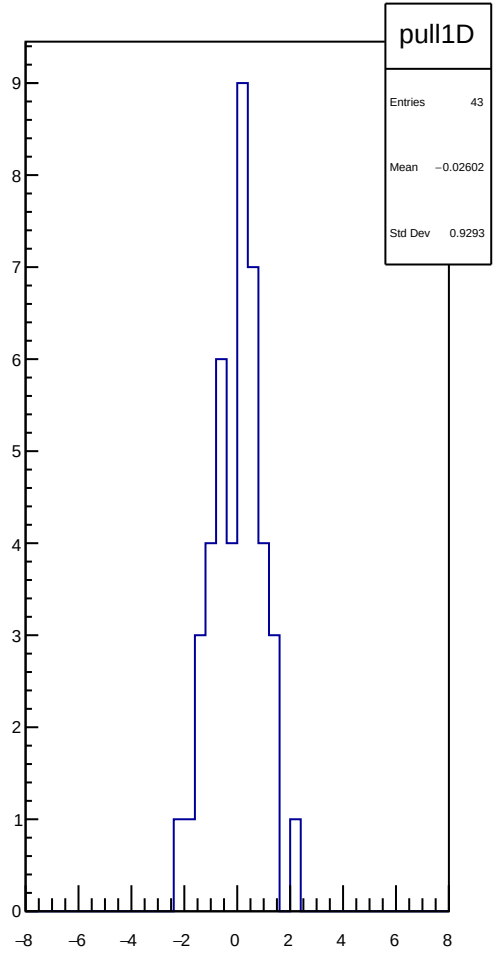
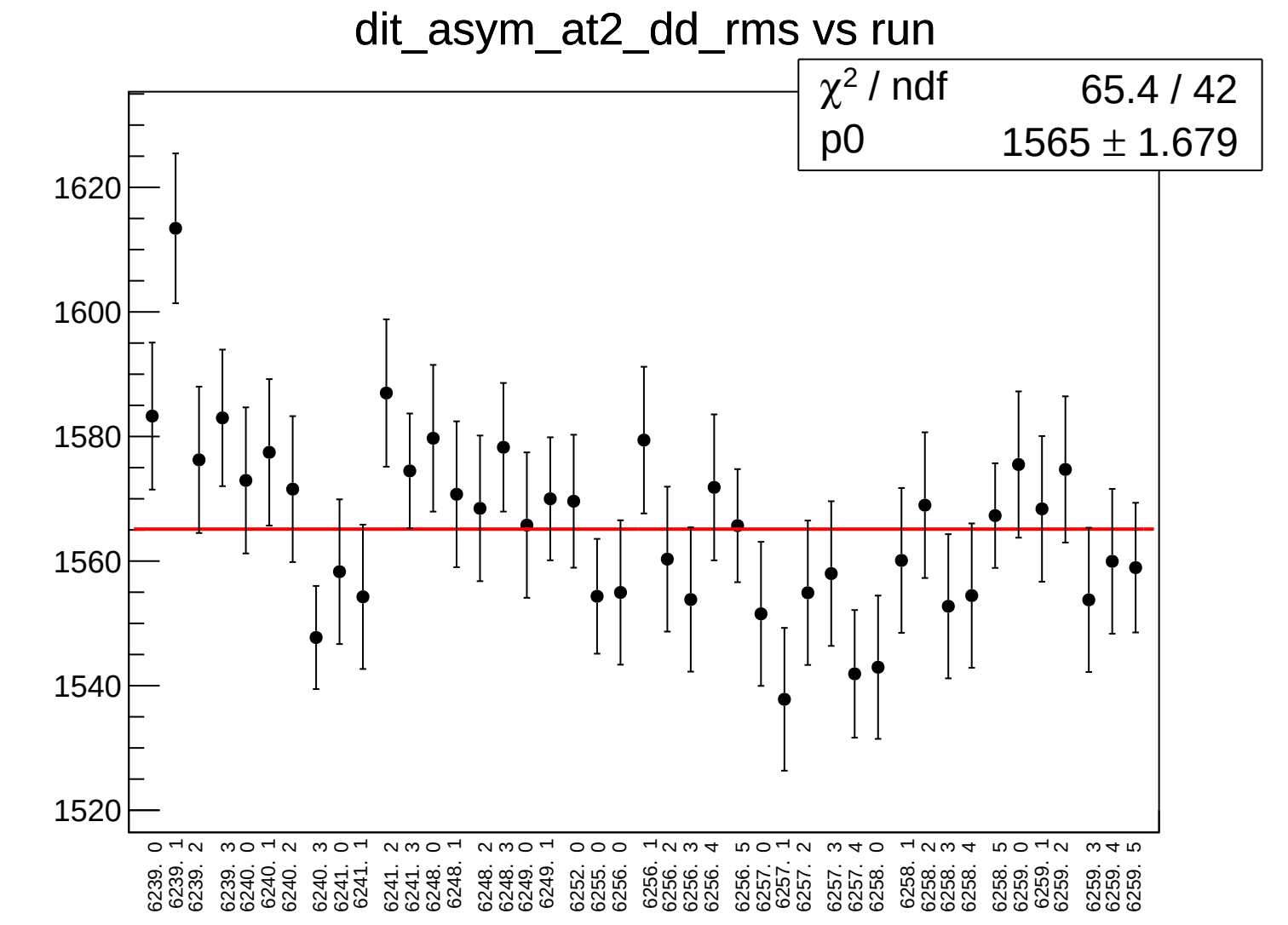
6259. 2
6259. 3
6259. 4
6259. 5

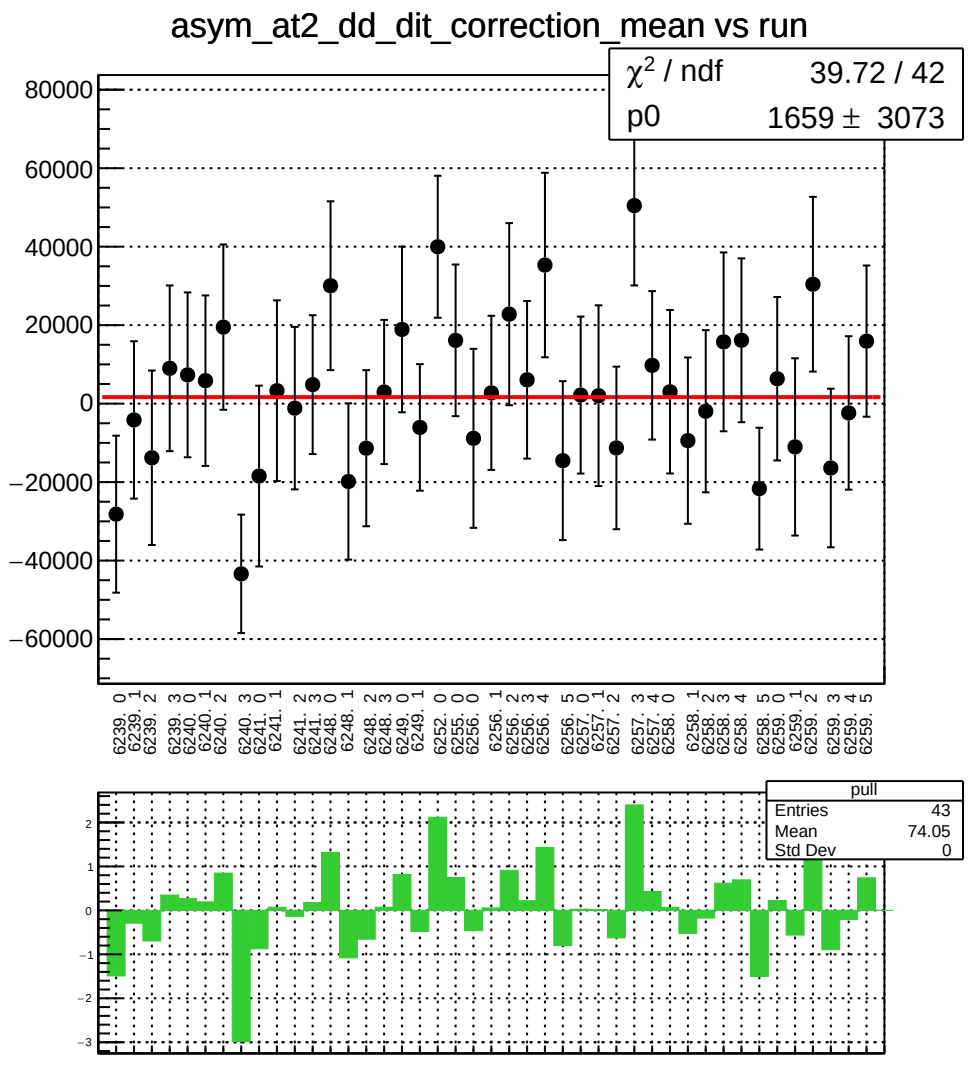

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.79 / 42
p0 1432 ± 3075
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03859
Std Dev 0.9612
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

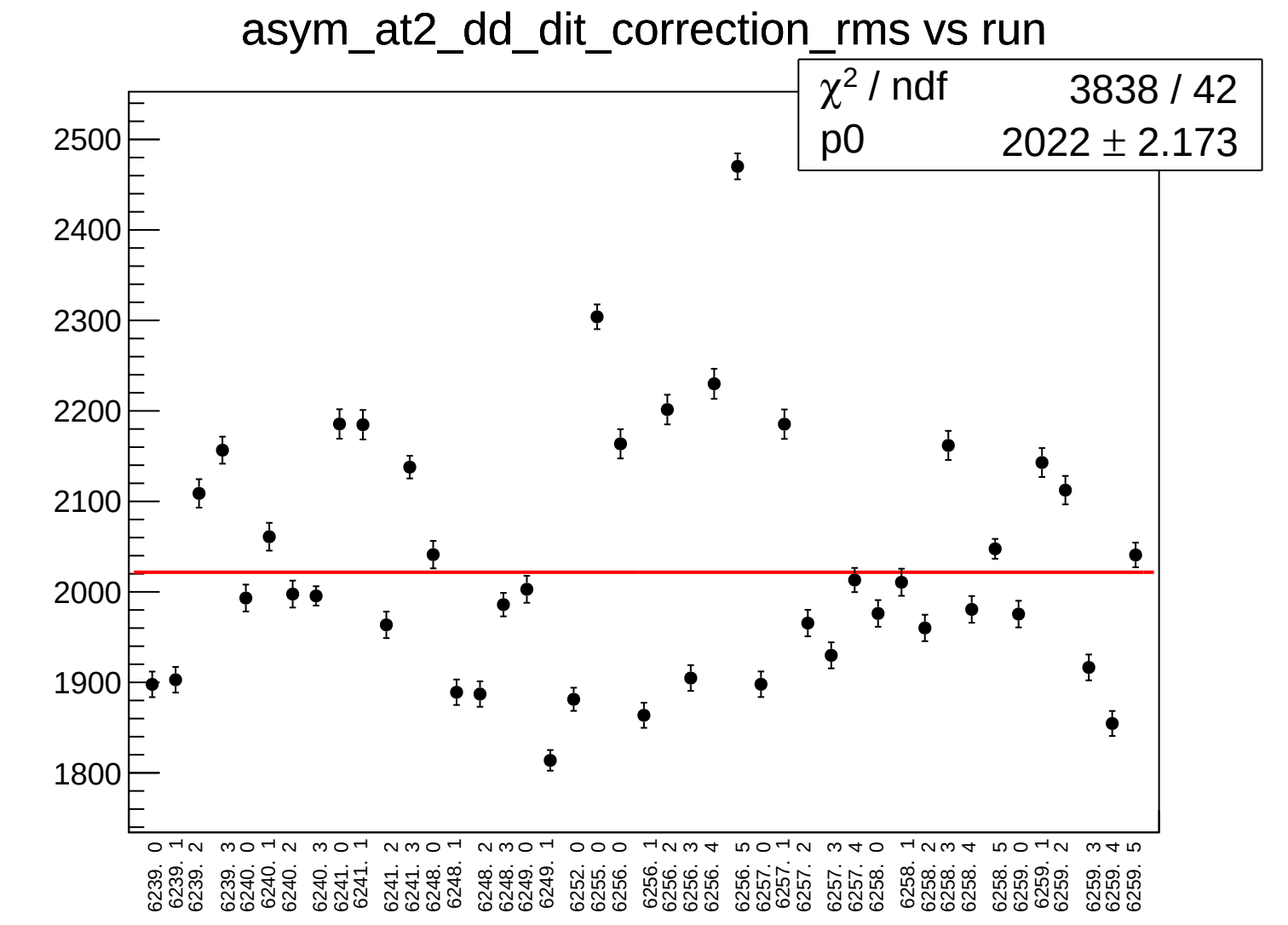

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4034 / 42
p0 2023 ± 2.174
2500
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

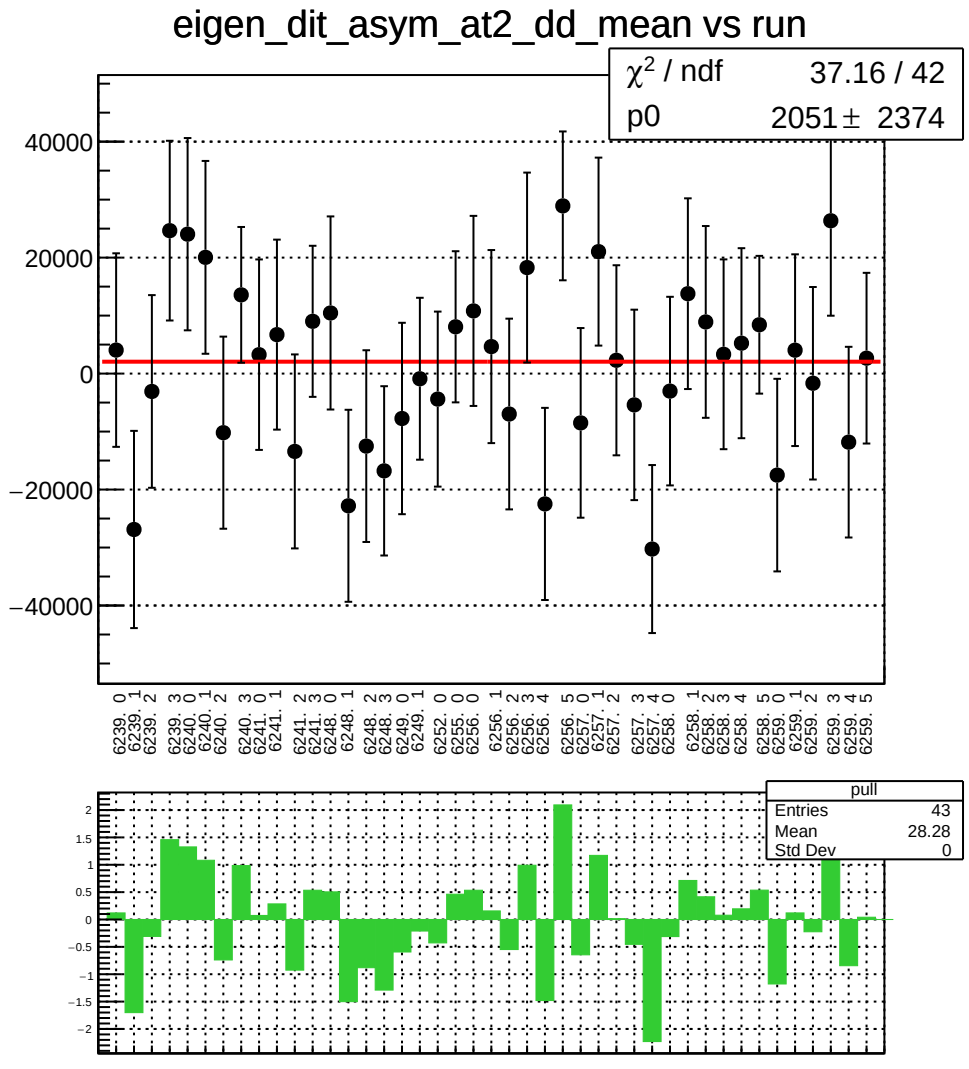

dit_asym_at2_dd_mean vs run
χ² / ndf 37.16 / 42
p0 2051 ± 2374
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

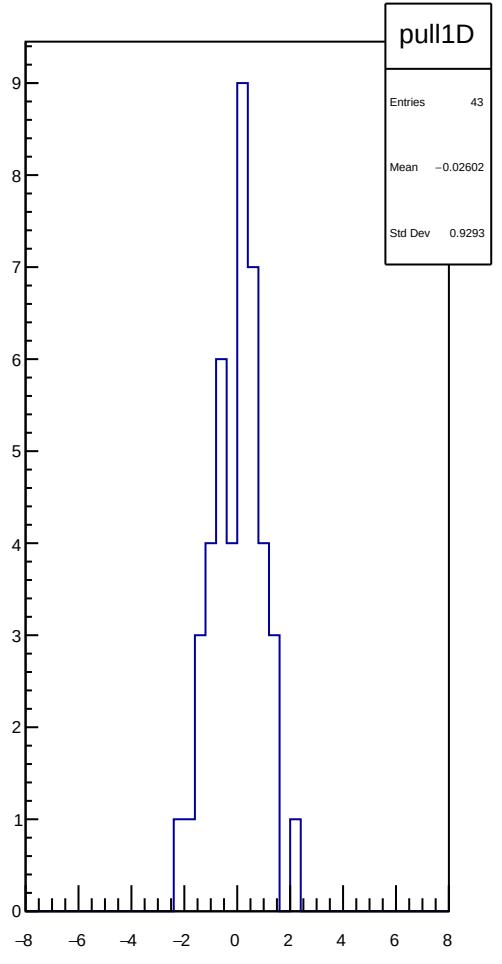

pull1D
Entries 43
Mean −0.02602
Std Dev 0.9293
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

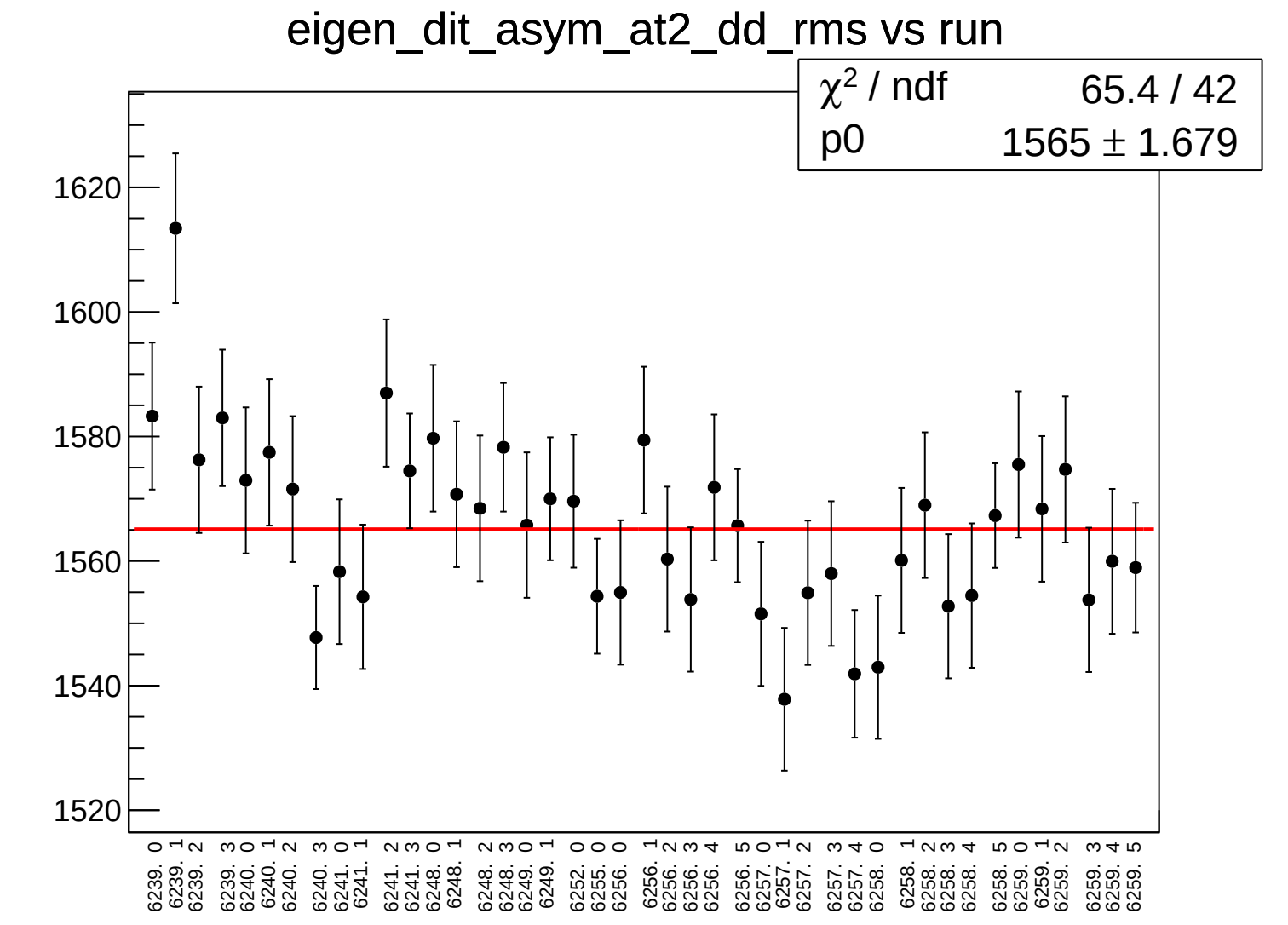

dit_asym_at2_dd_rms vs run
χ² / ndf 65.4 / 42
p0 1565 ± 1.679
1620
1600
1580
1560
1540
1520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at2_dd_dit_correction_mean vs run
χ² / ndf 39.72 / 42
p0 1659 ± 3073
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 74.05
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03901
Std Dev 0.9603
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

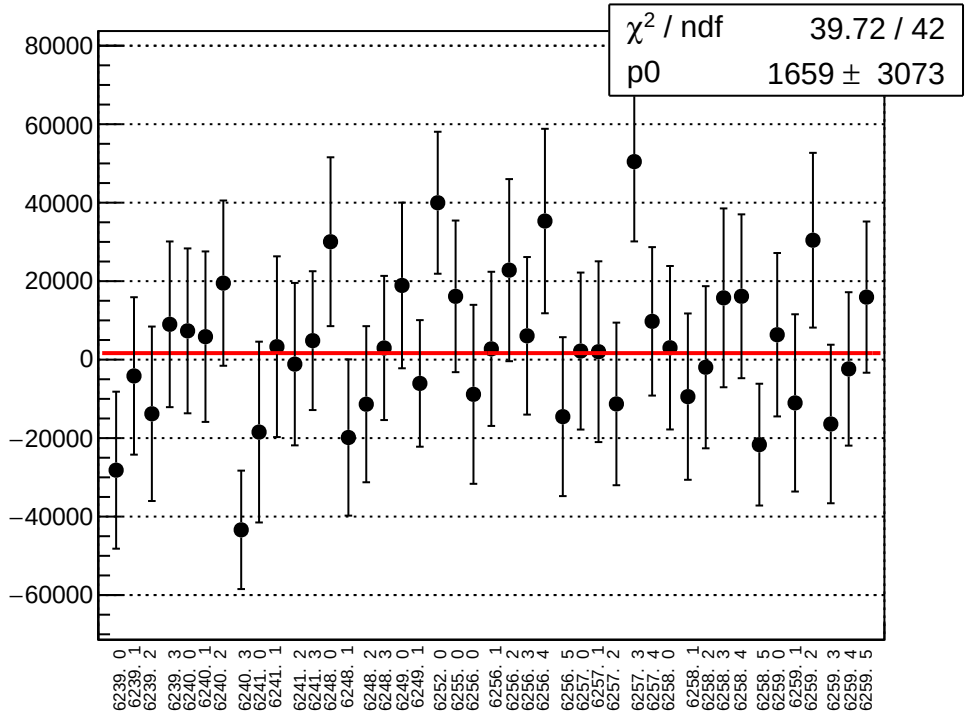

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 3838 / 42
p0 2022 ± 2.173
2500
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

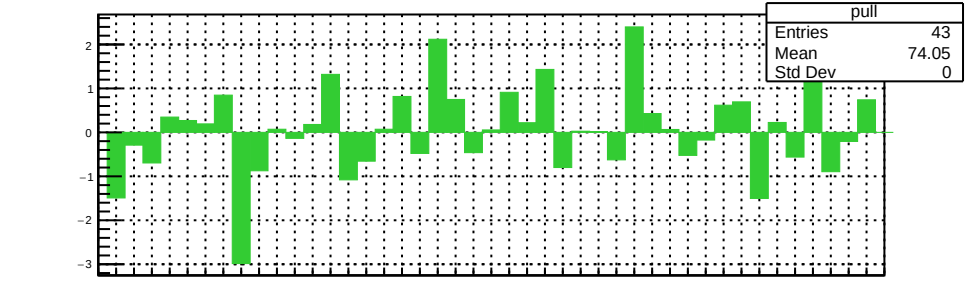

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 37.16 / 42
p0 2051 ± 2374
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

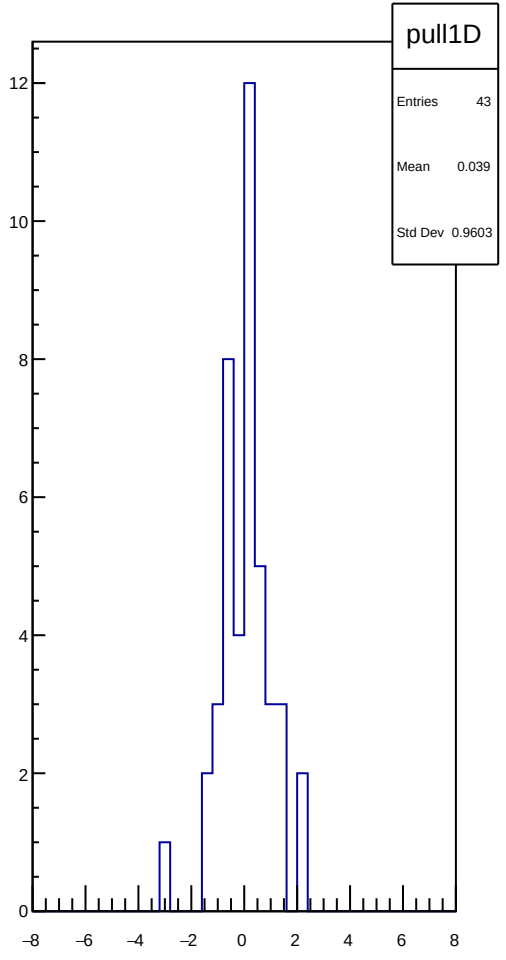

pull1D
Entries 43
Mean −0.02602
Std Dev 0.9293
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

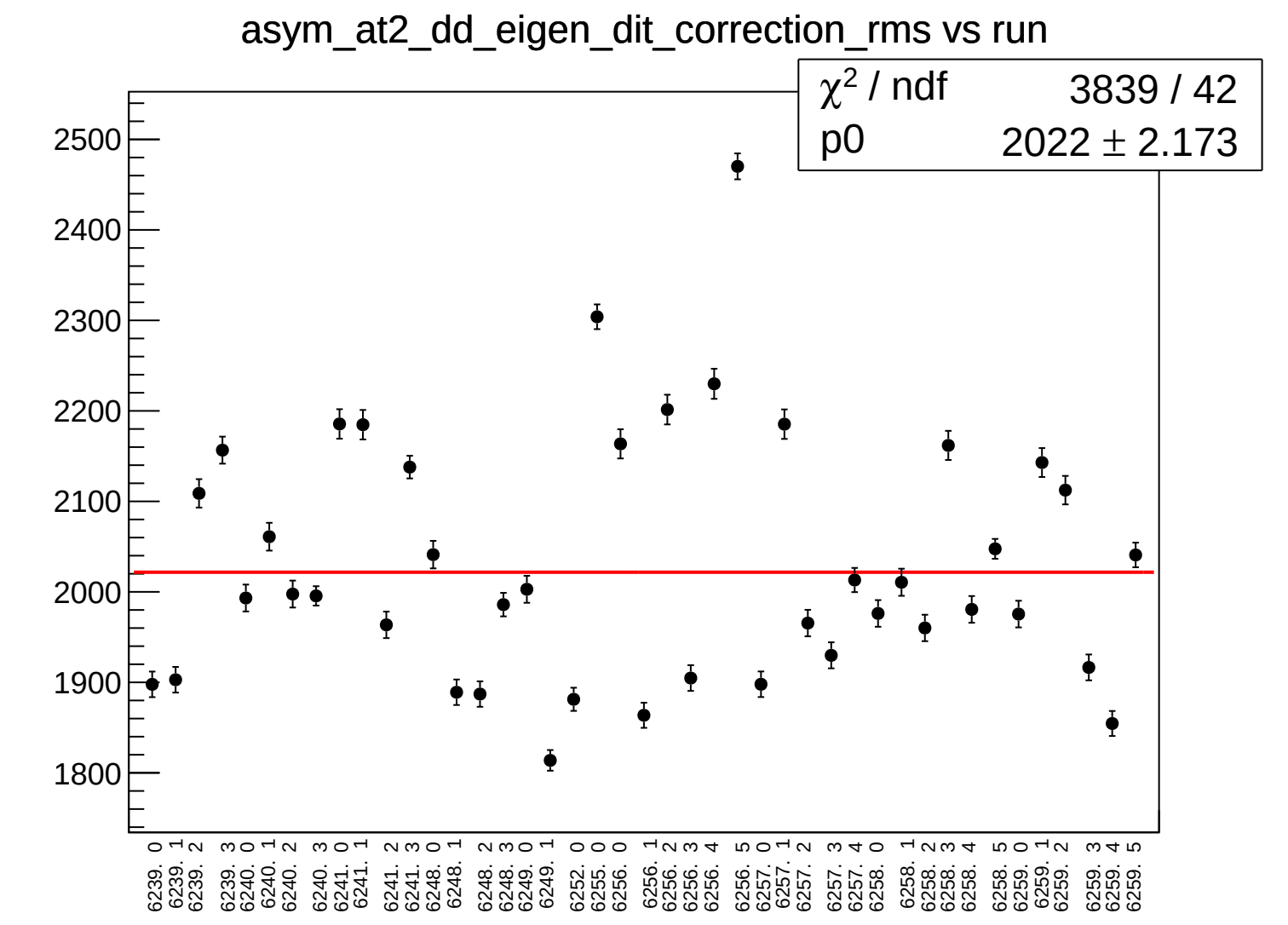

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 65.4 / 42
p0 1565 ± 1.679
1620
1600
1580
1560
1540
1520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

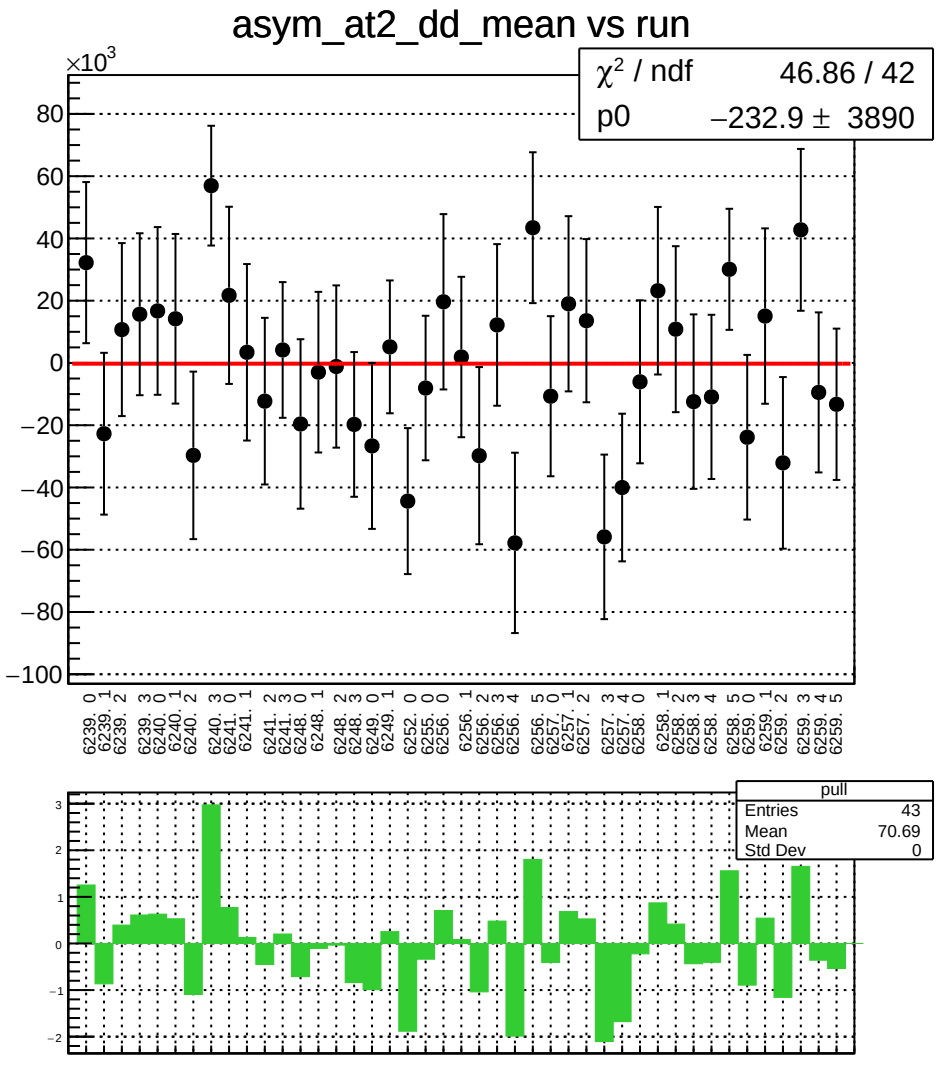
asym_at2_dd_eigen_dit_correction_mean vs run

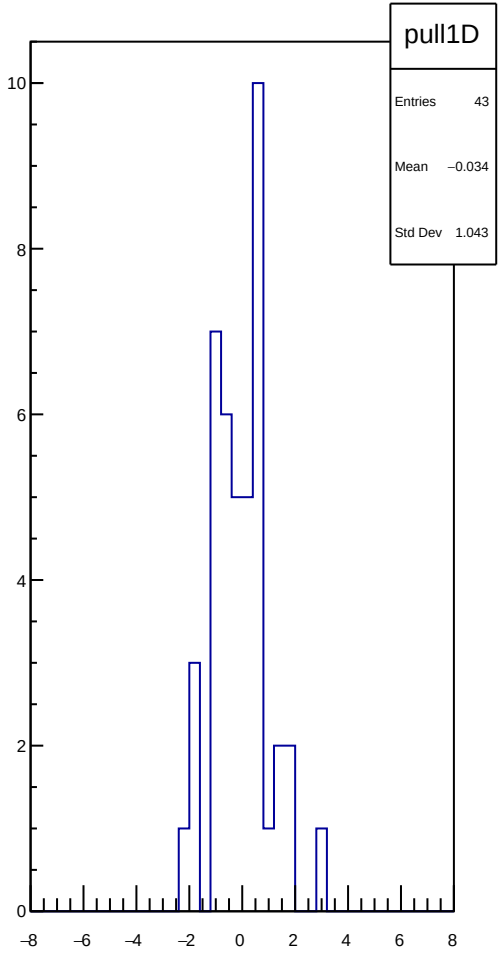


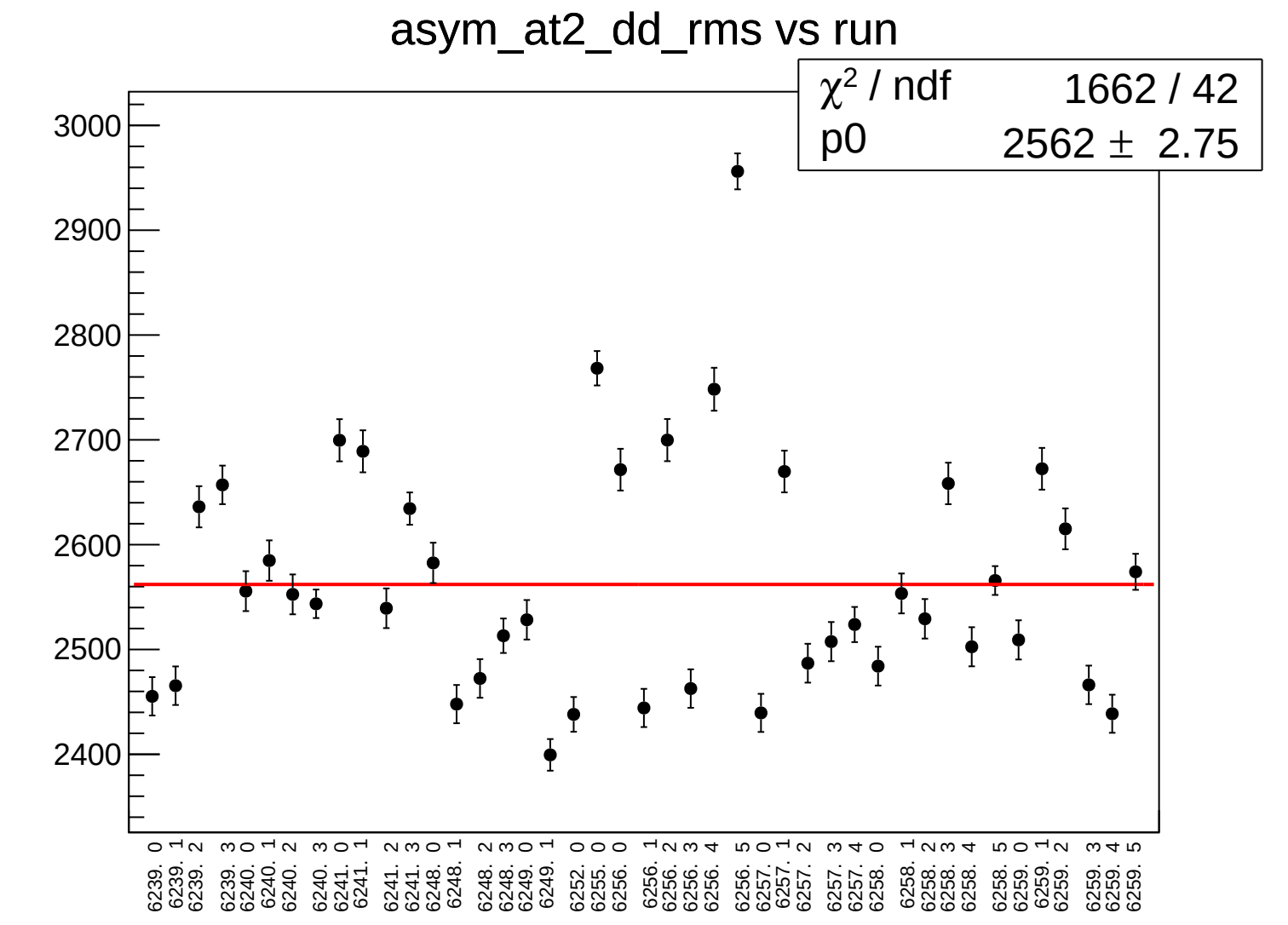



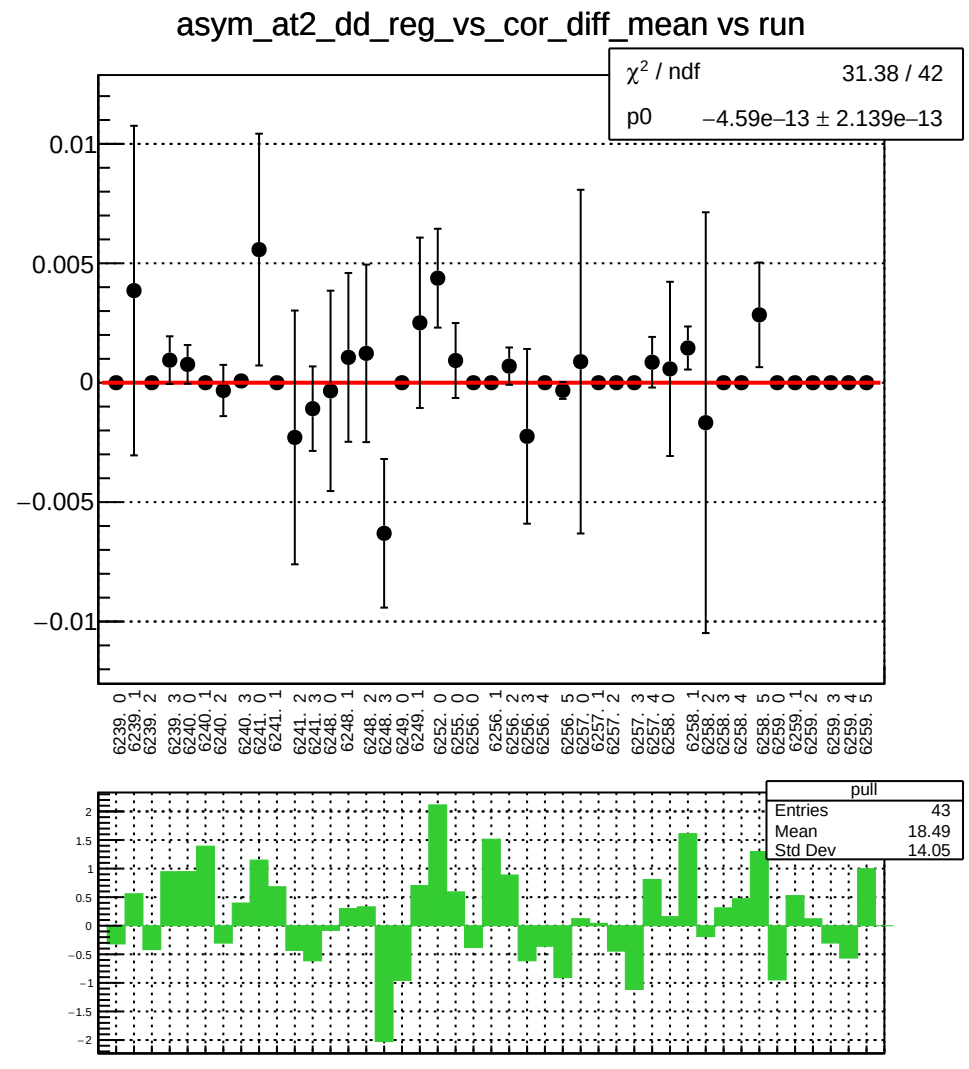



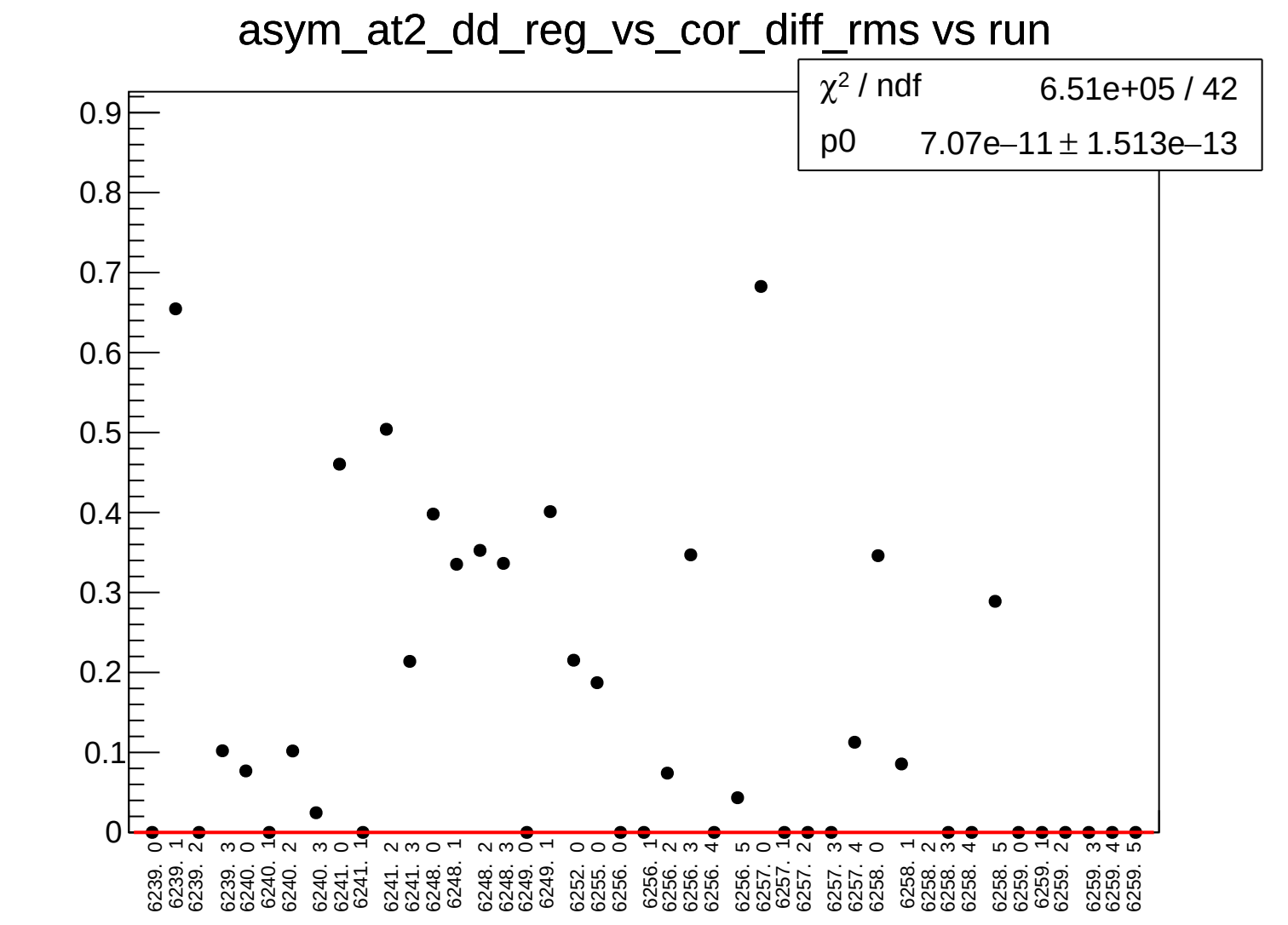

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3839 / 42
p0 2022 ± 2.173
2500
2400
2300
2200
2100
2000
1900
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

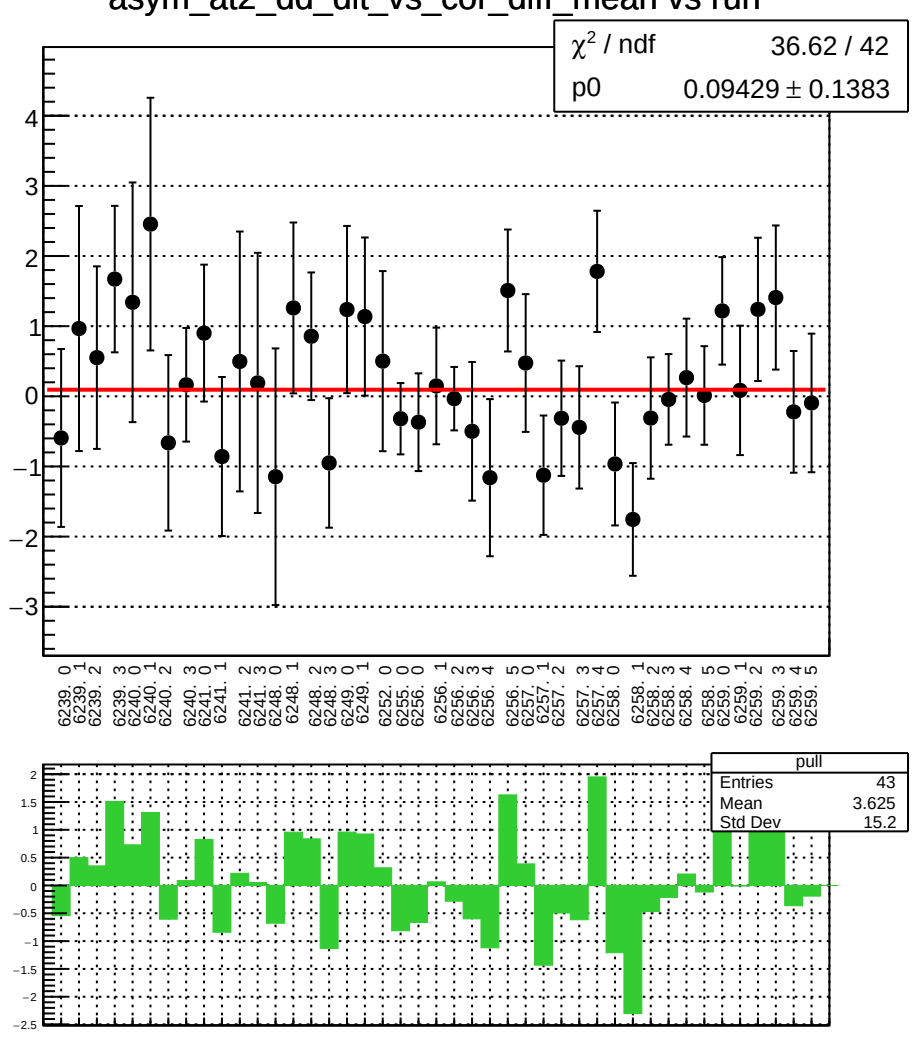

asym_at2_dd_mean vs run
×10^3
χ² / ndf 46.86 / 42
p0 −232.9 ± 3890
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 70.69
Std Dev 0
3
2
1
0
−1
−2

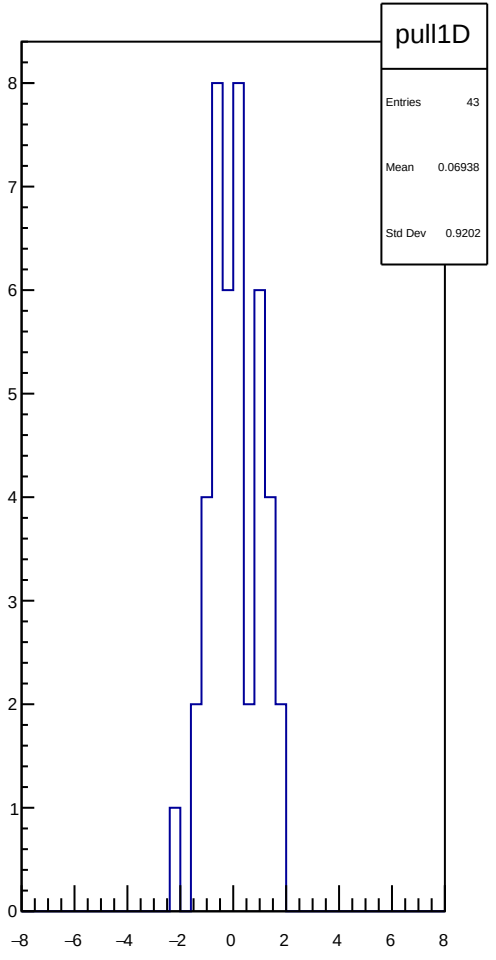

pull1D
Entries 43
Mean −0.034
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

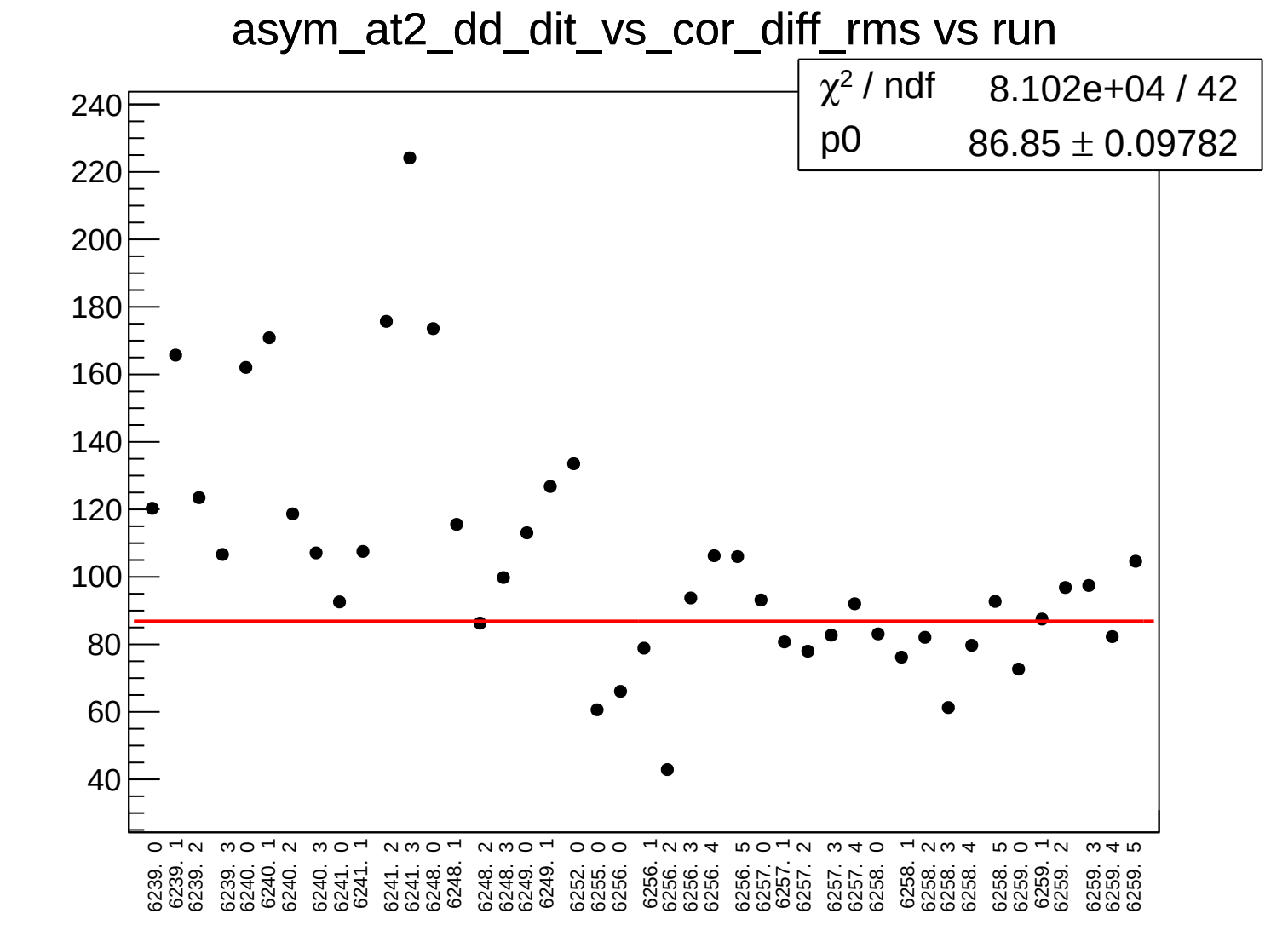

asym_at2_dd_rms vs run
χ² / ndf 1662 / 42
p0 2562 ± 2.75
3000
2900
2800
2700
2600
2500
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.38 / 42
p0 −4.59e−13 ± 2.139e−13
0.01
0.005
0
−0.005
−0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.49
Std Dev 14.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1862
Std Dev 0.8337
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

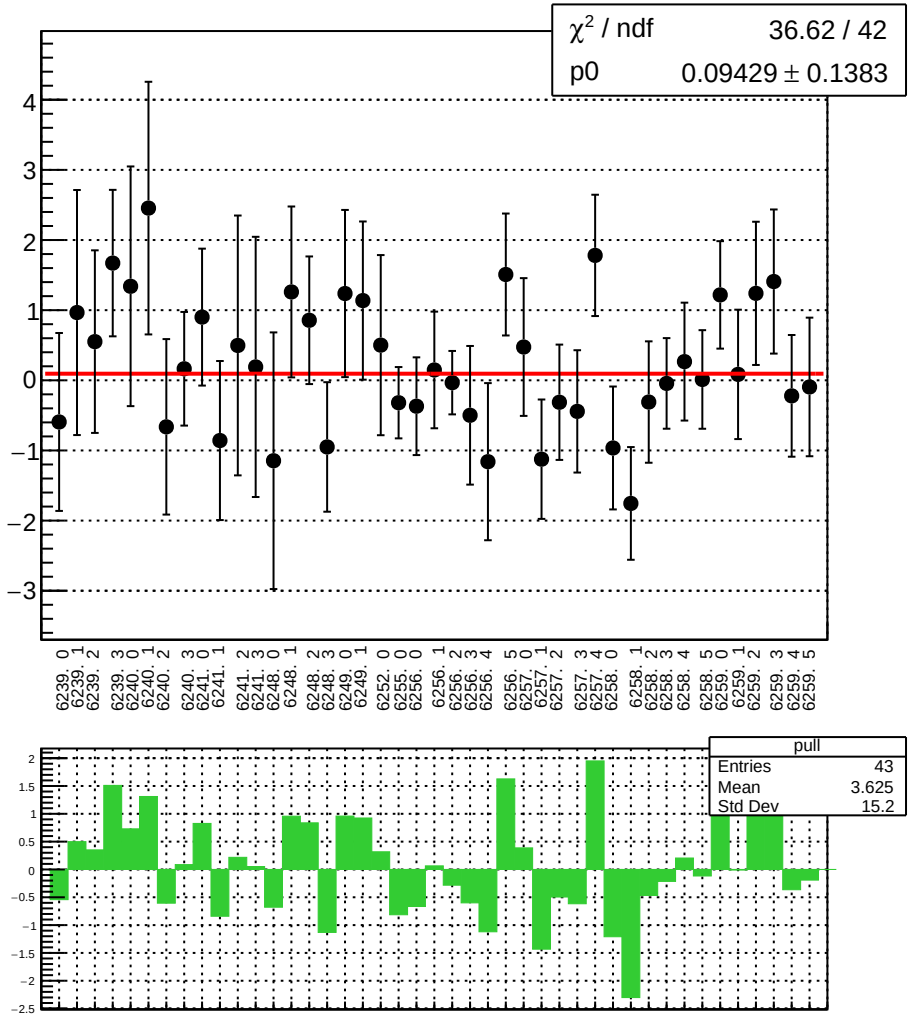

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.51e+05 / 42
p0 7.07e−11 ± 1.513e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

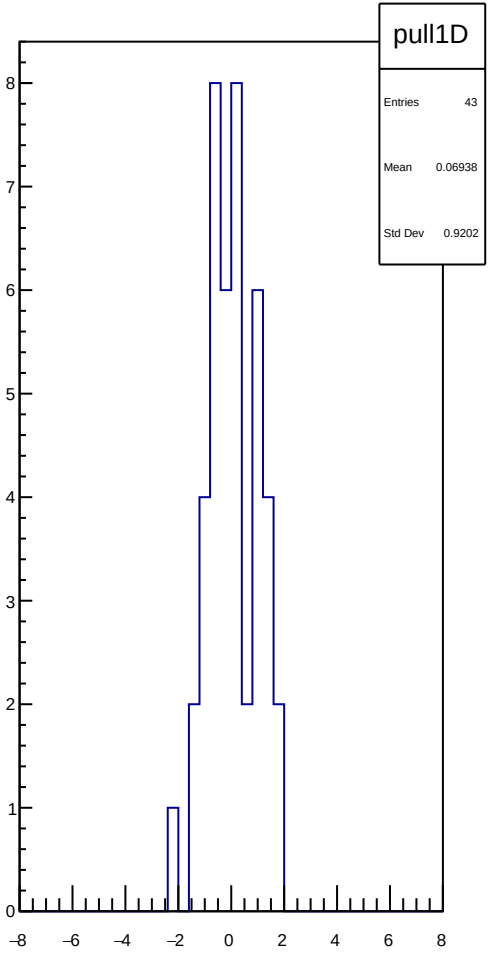

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.62 / 42
p0 0.09429 ± 0.1383
pull
Entries 43
Mean 3.625
Std Dev 15.2

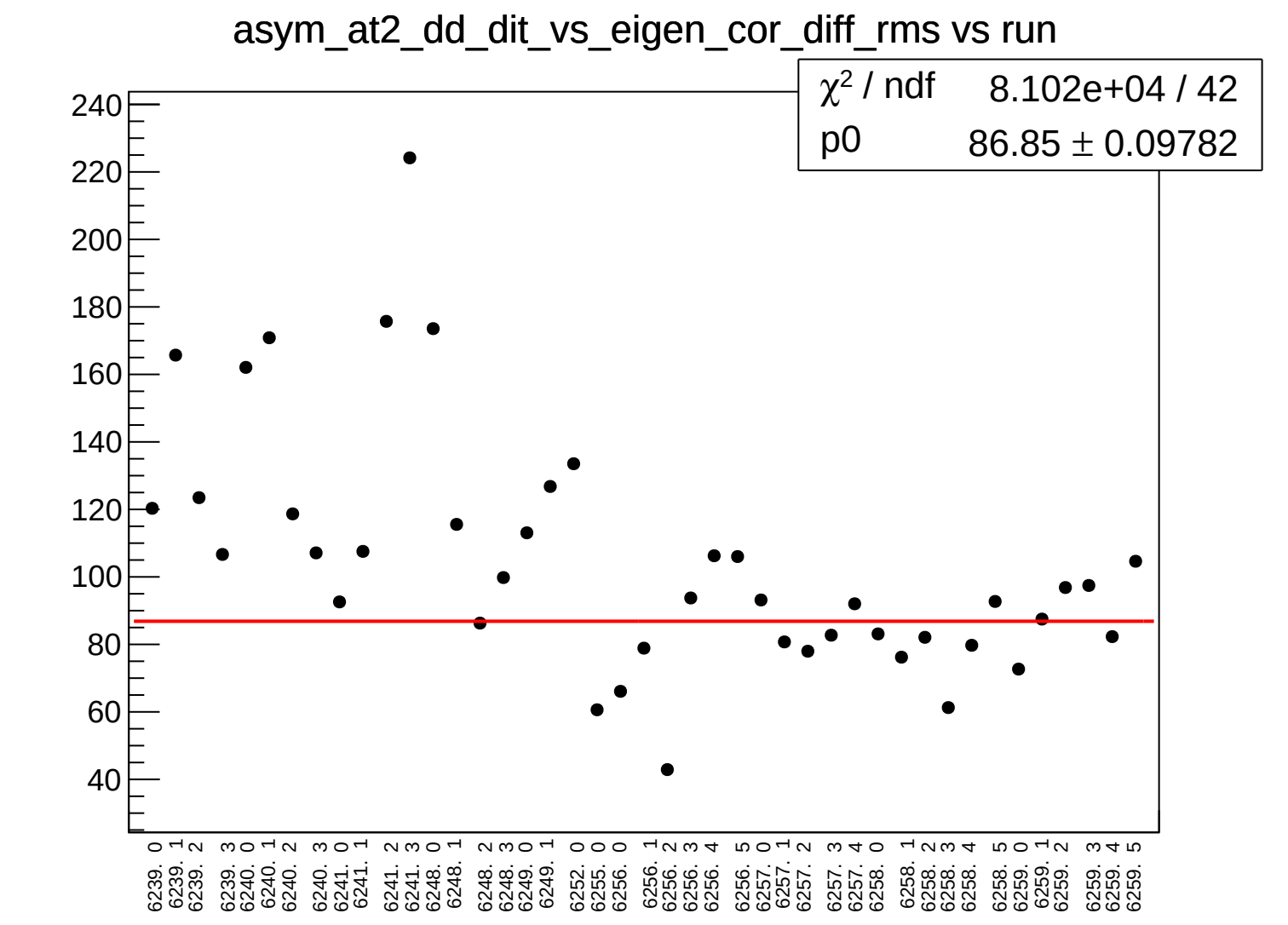

pull1D
Entries 43
Mean 0.06938
Std Dev 0.9202

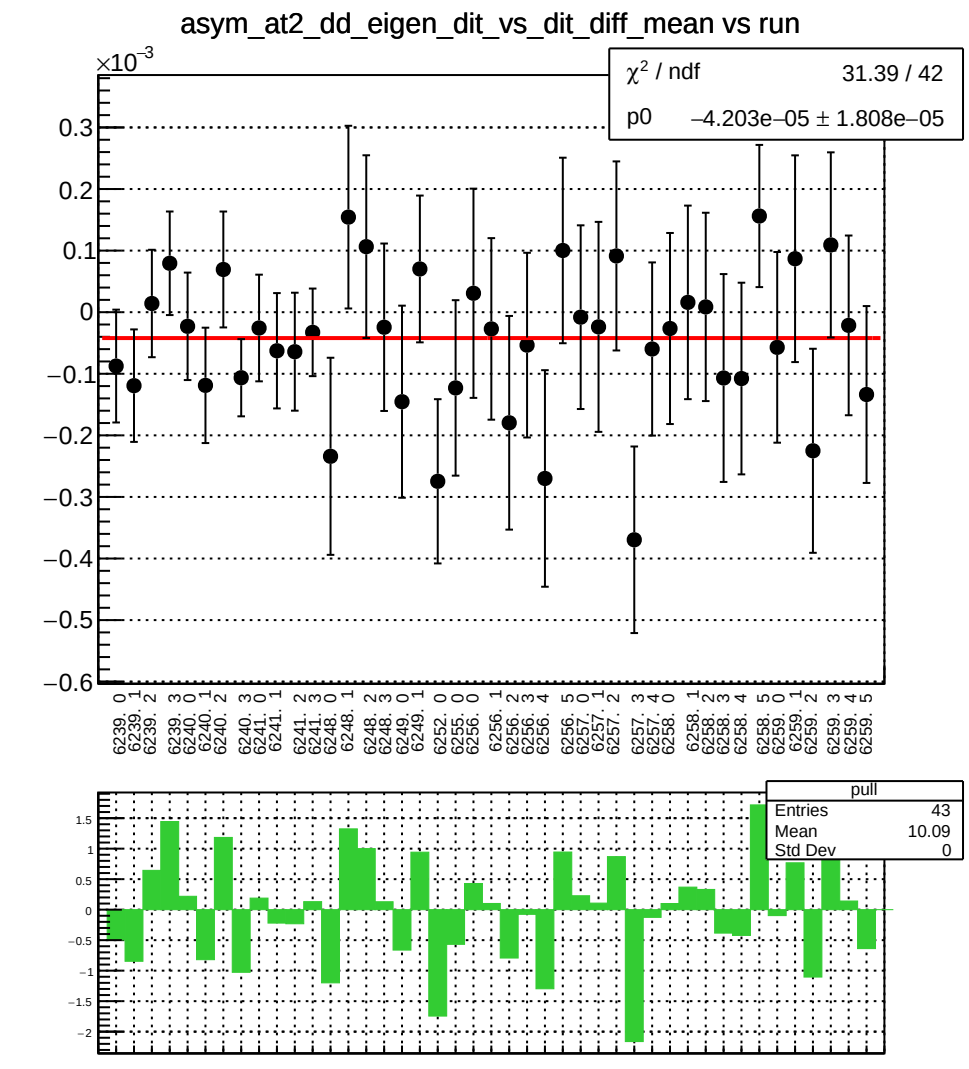

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.102e+04 / 42
p0 86.85 ± 0.09782
240
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

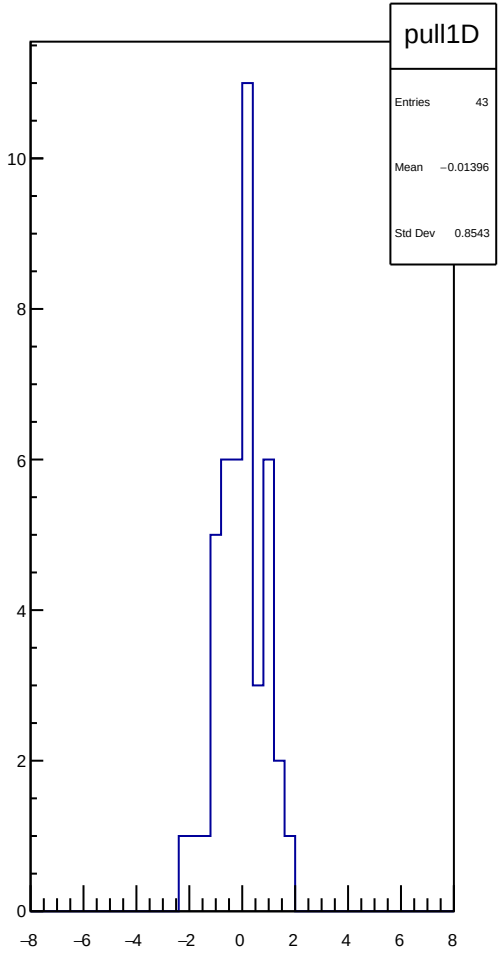
asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run

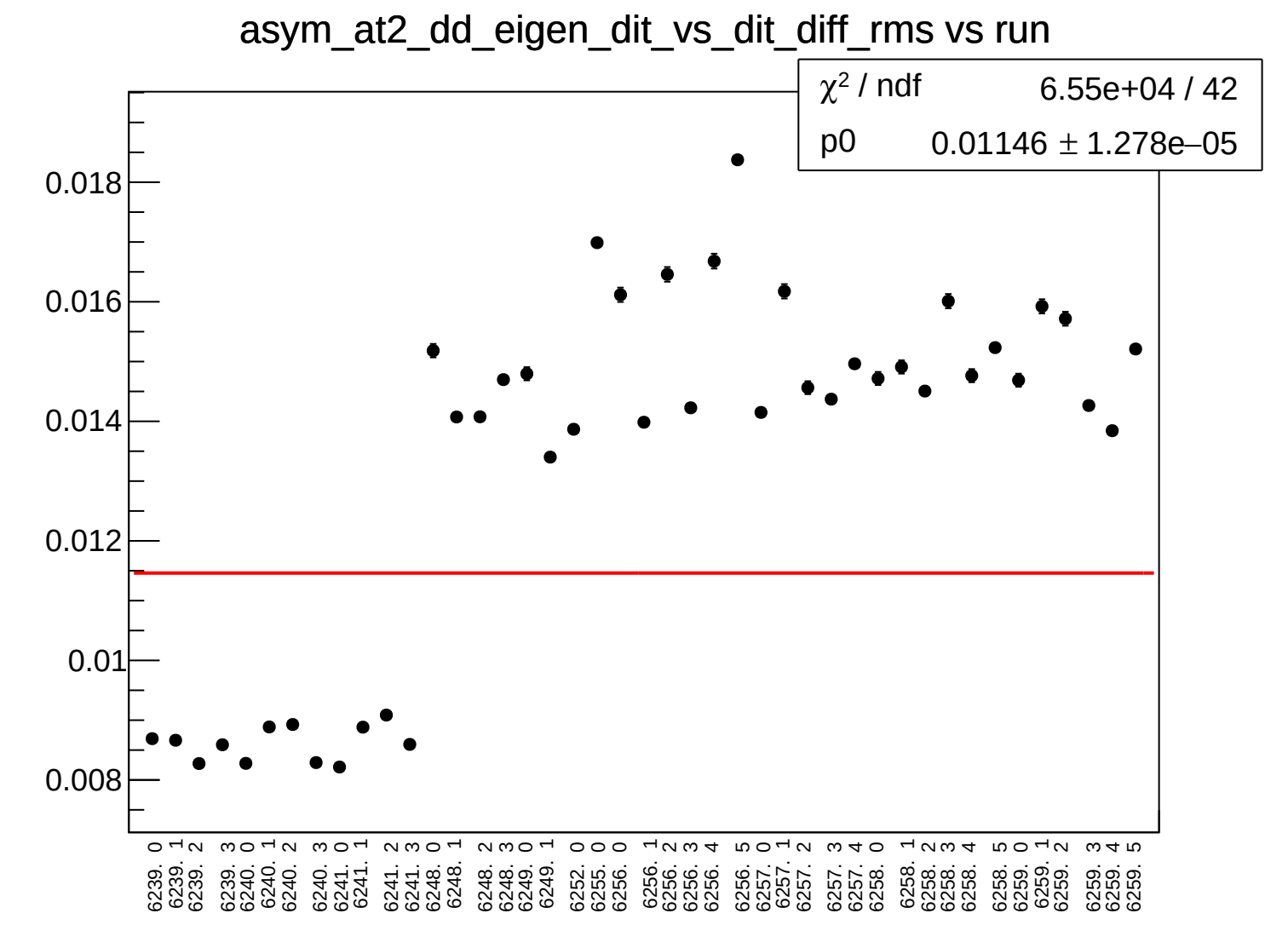


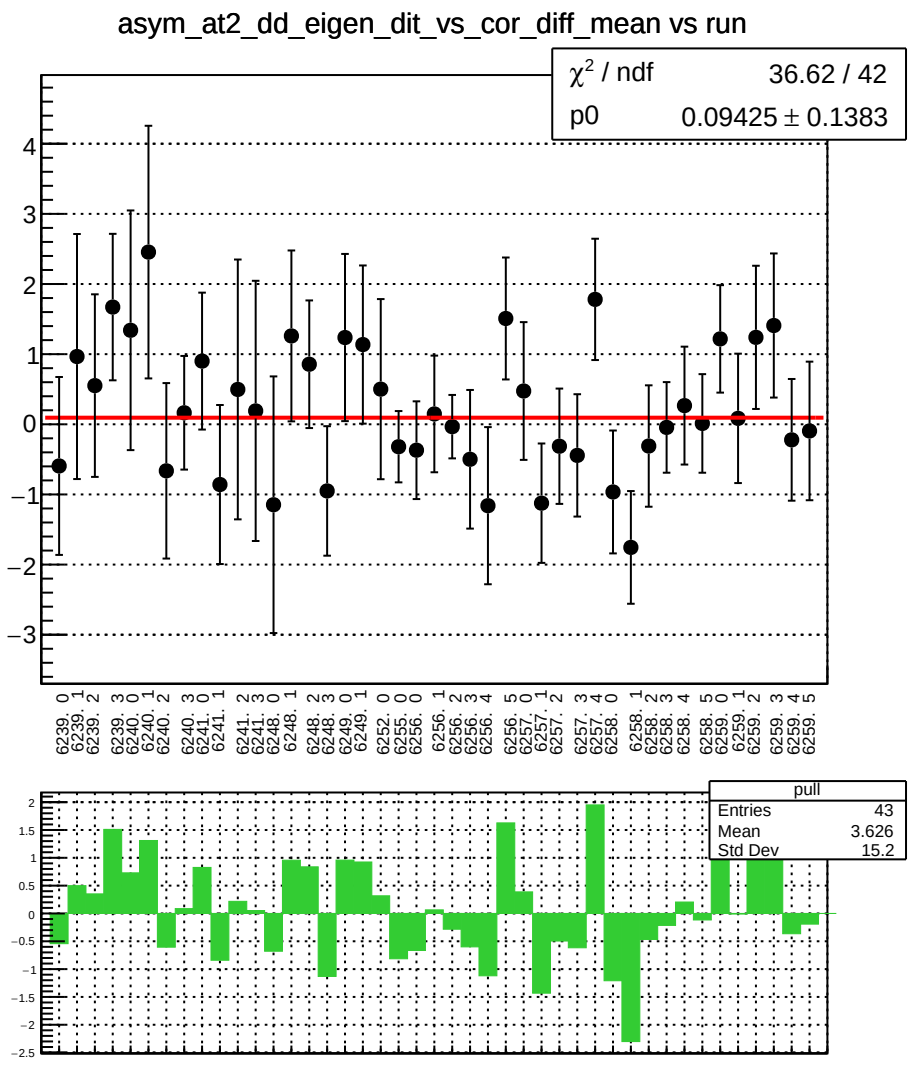



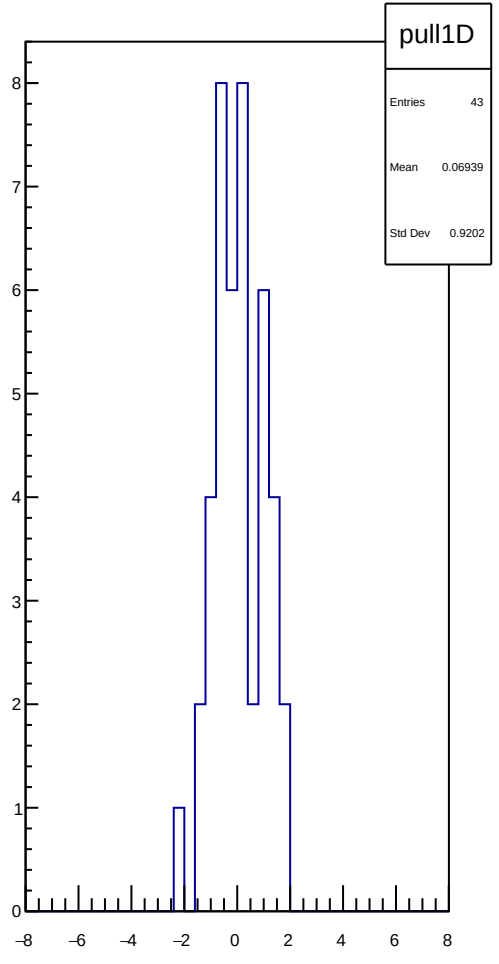

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.102e+04 / 42
p0 86.85 ± 0.09782
240
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

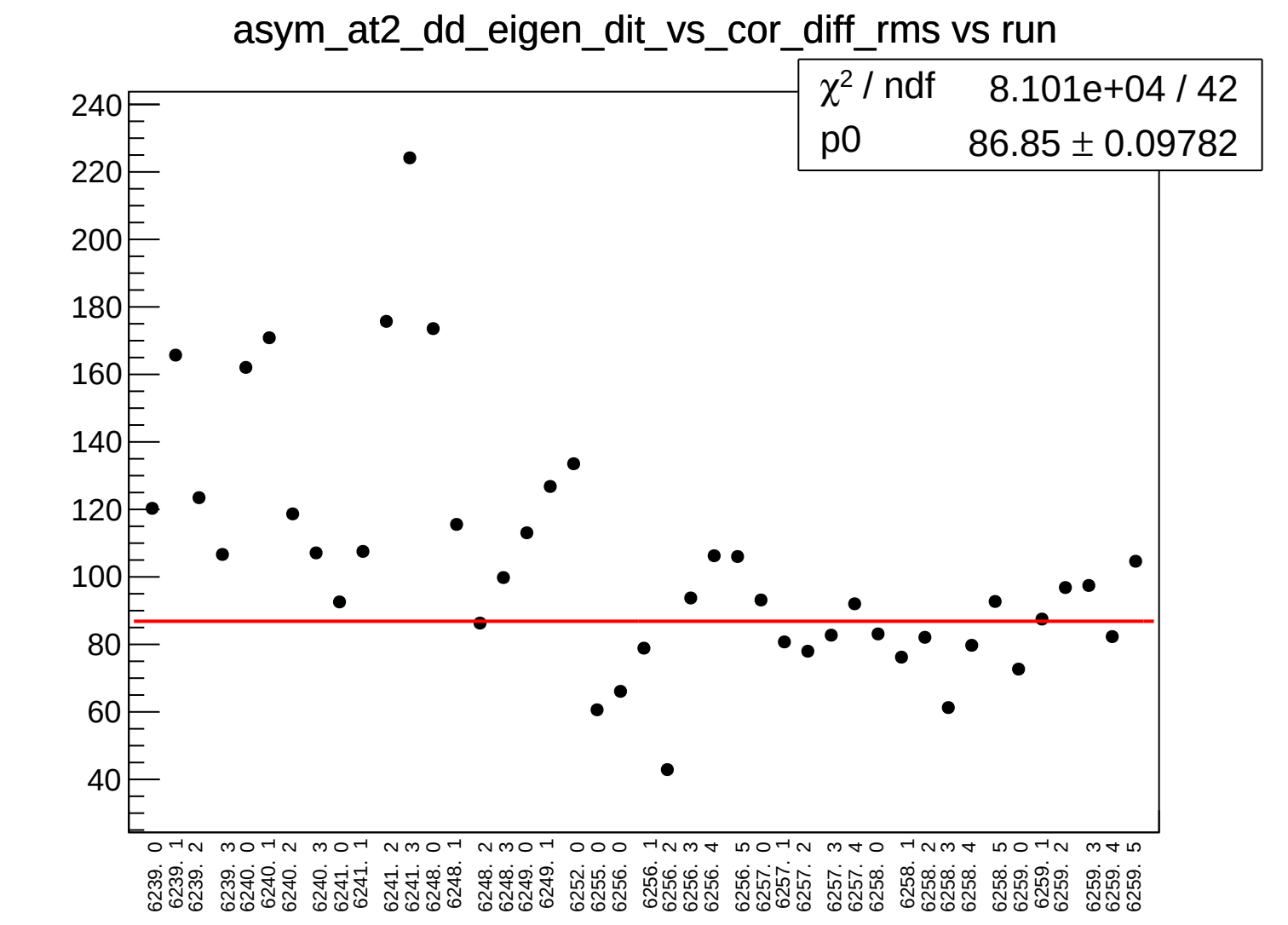

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.39 / 42
p0 −4.203e−05 ± 1.808e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.09
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

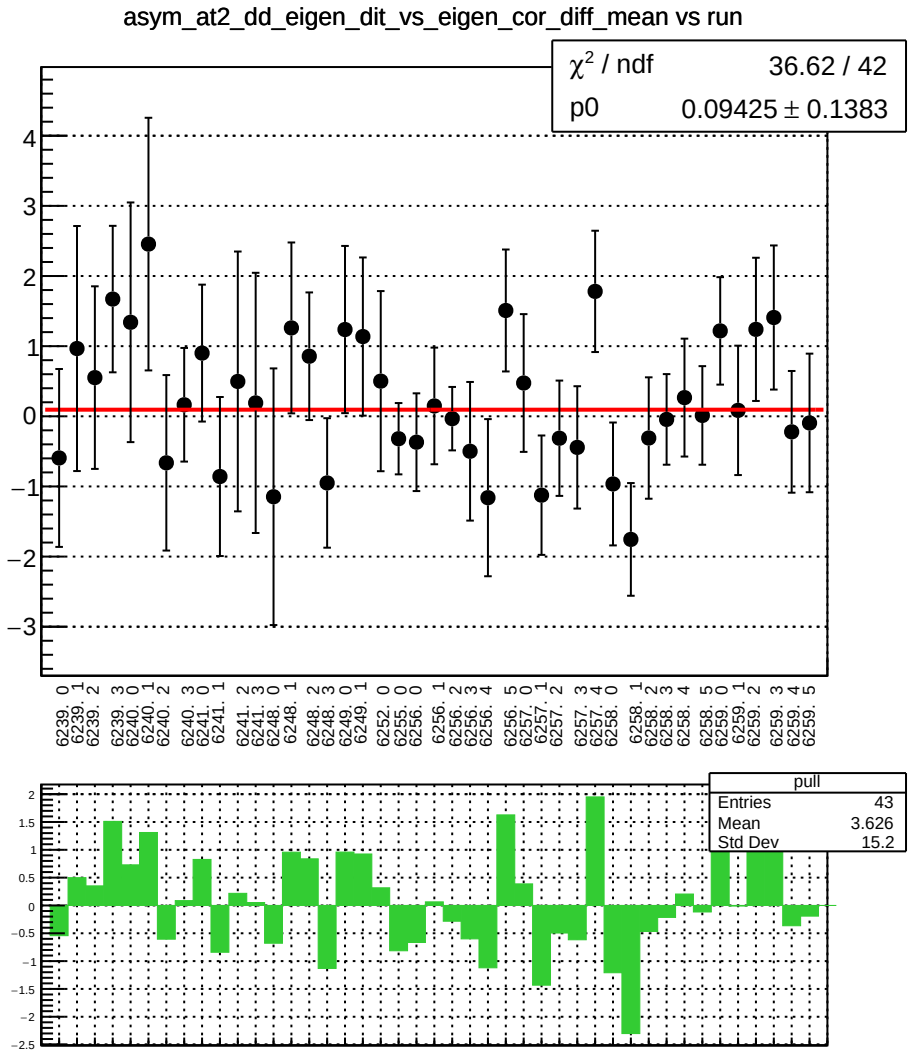

pull1D
Entries 43
Mean −0.01396
Std Dev 0.8543
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

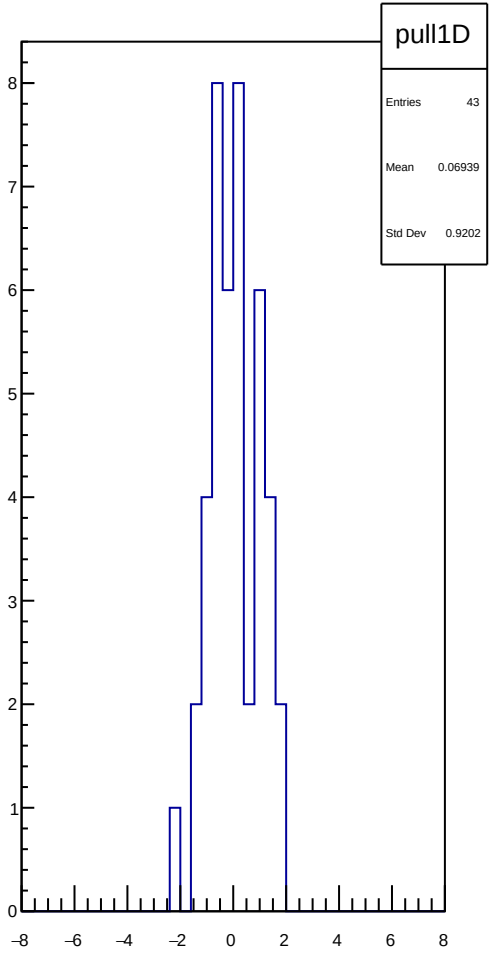

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.55e+04 / 42
p0 0.01146 ± 1.278e−05
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

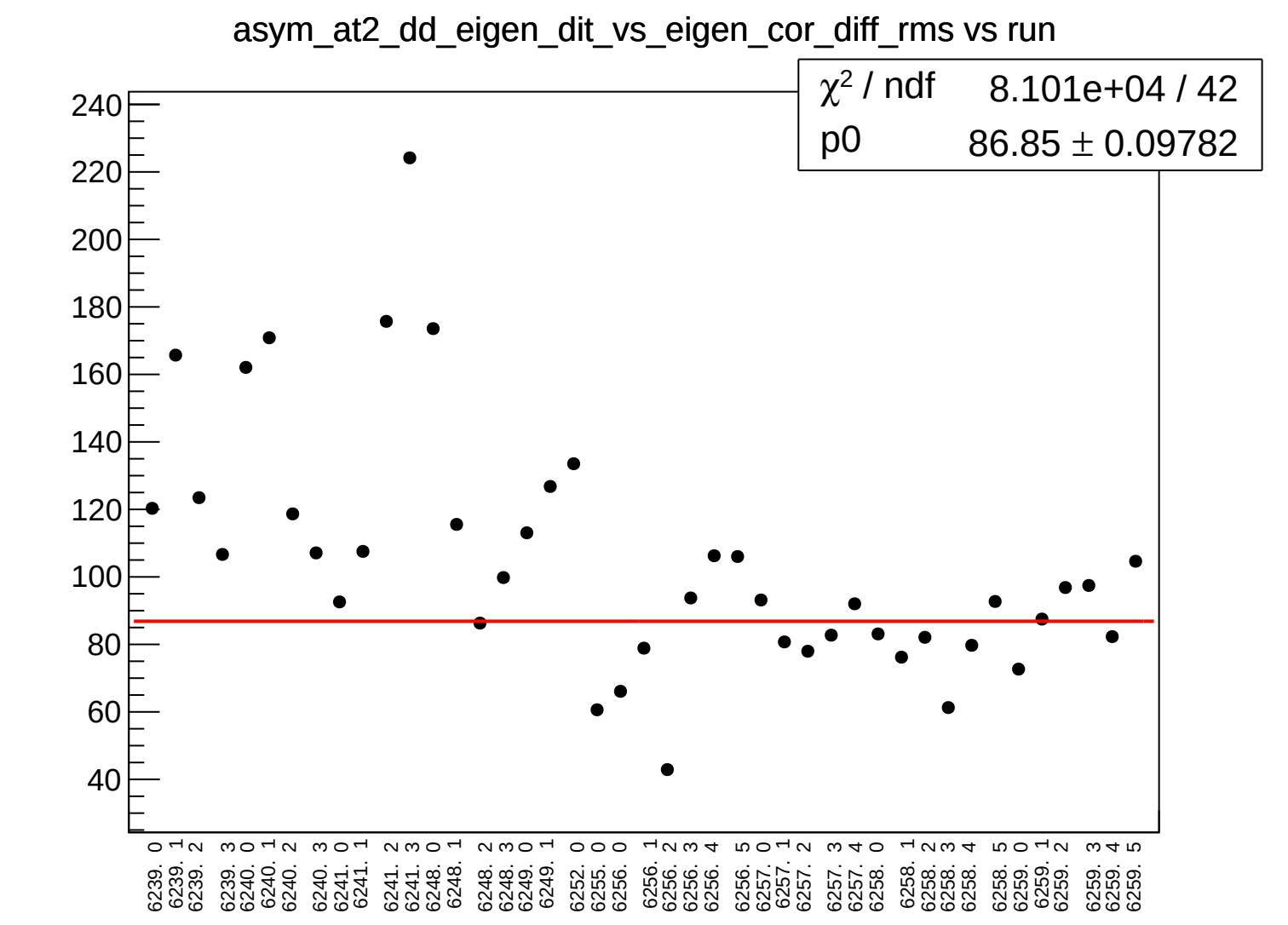

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.62 / 42
p0 0.09425 ± 0.1383
pull
Entries 43
Mean 3.626
Std Dev 15.2

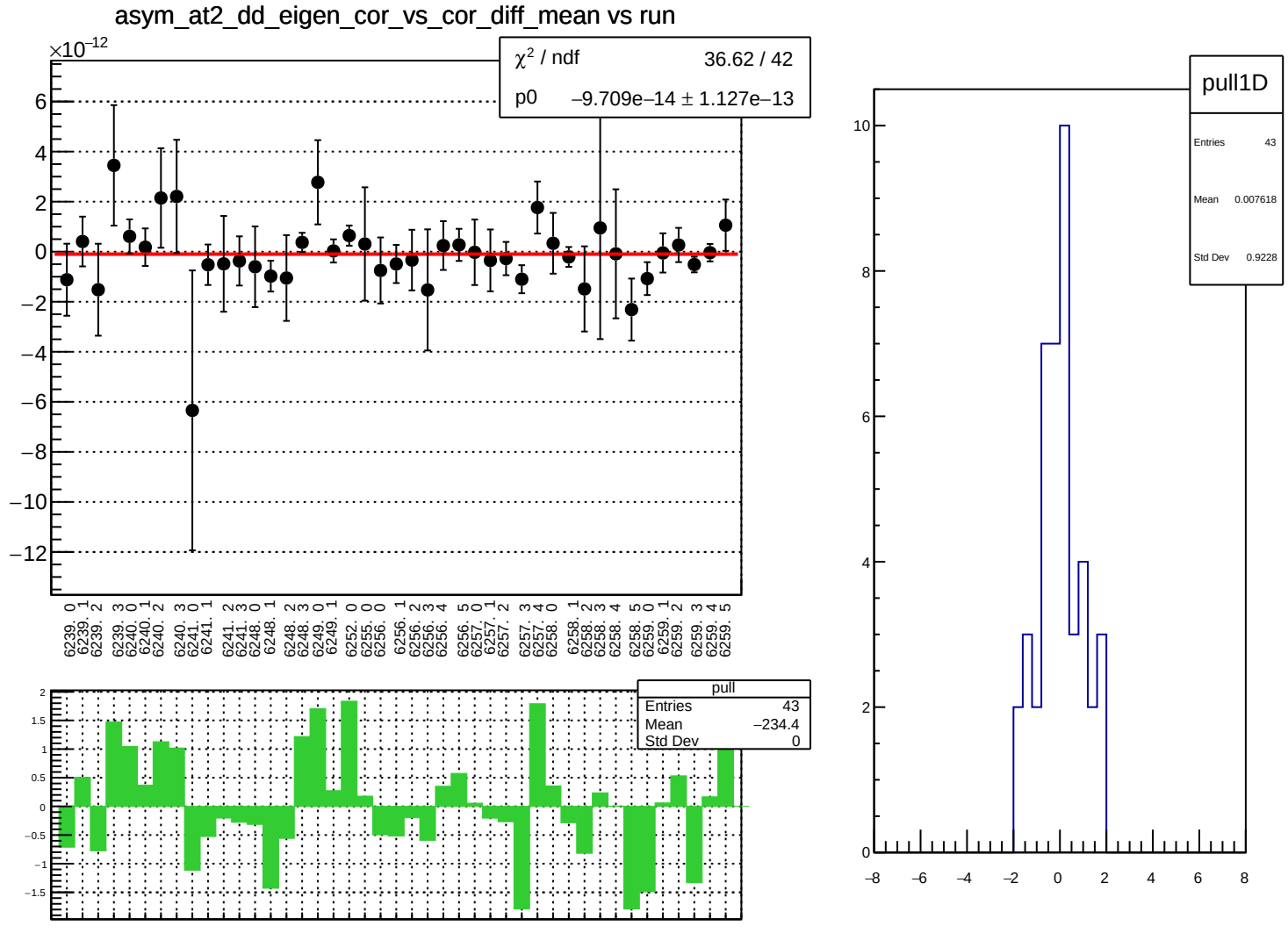

pull1D
Entries 43
Mean 0.06939
Std Dev 0.9202

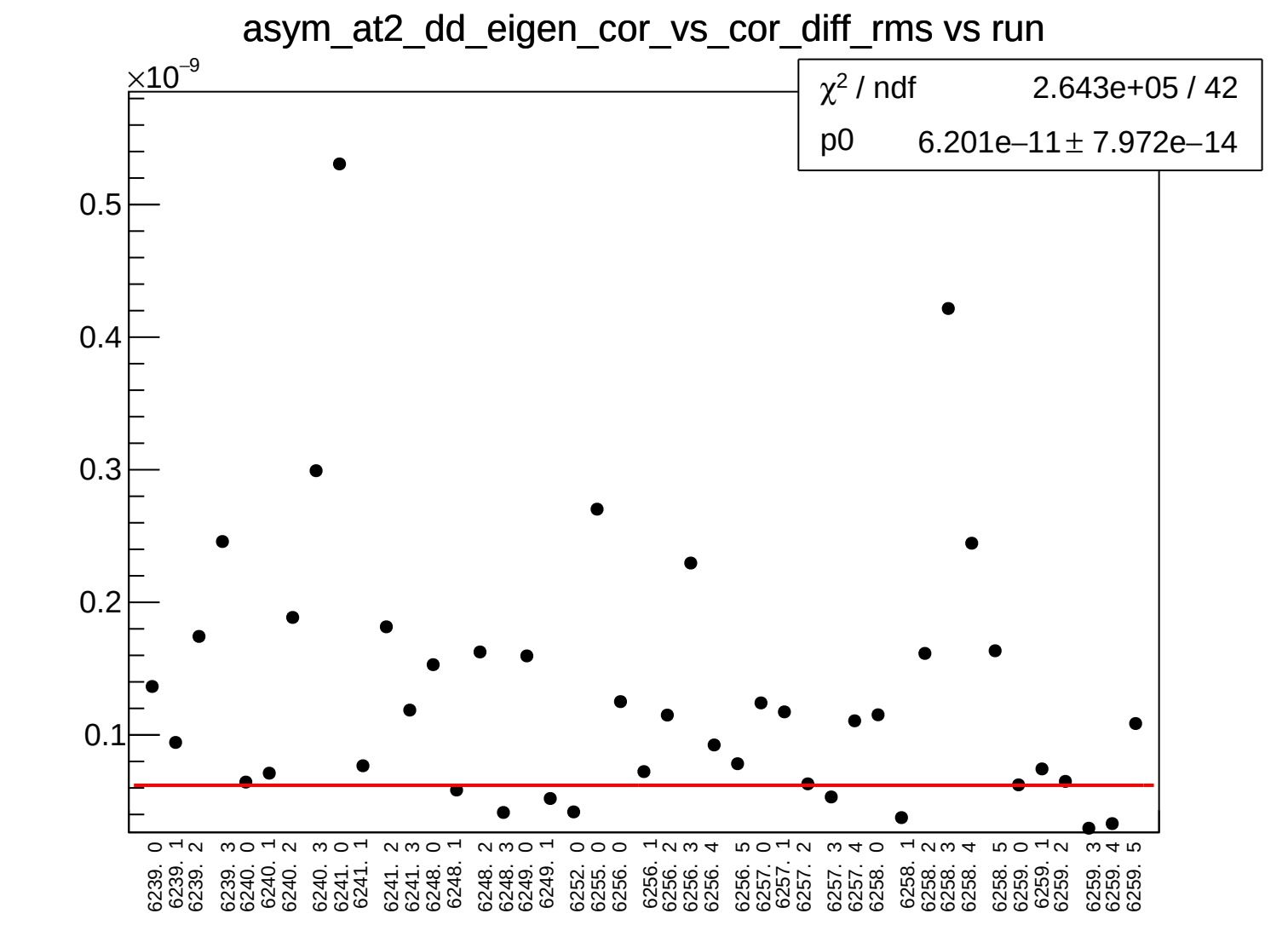

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.101e+04 / 42
p0 86.85 ± 0.09782
240
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

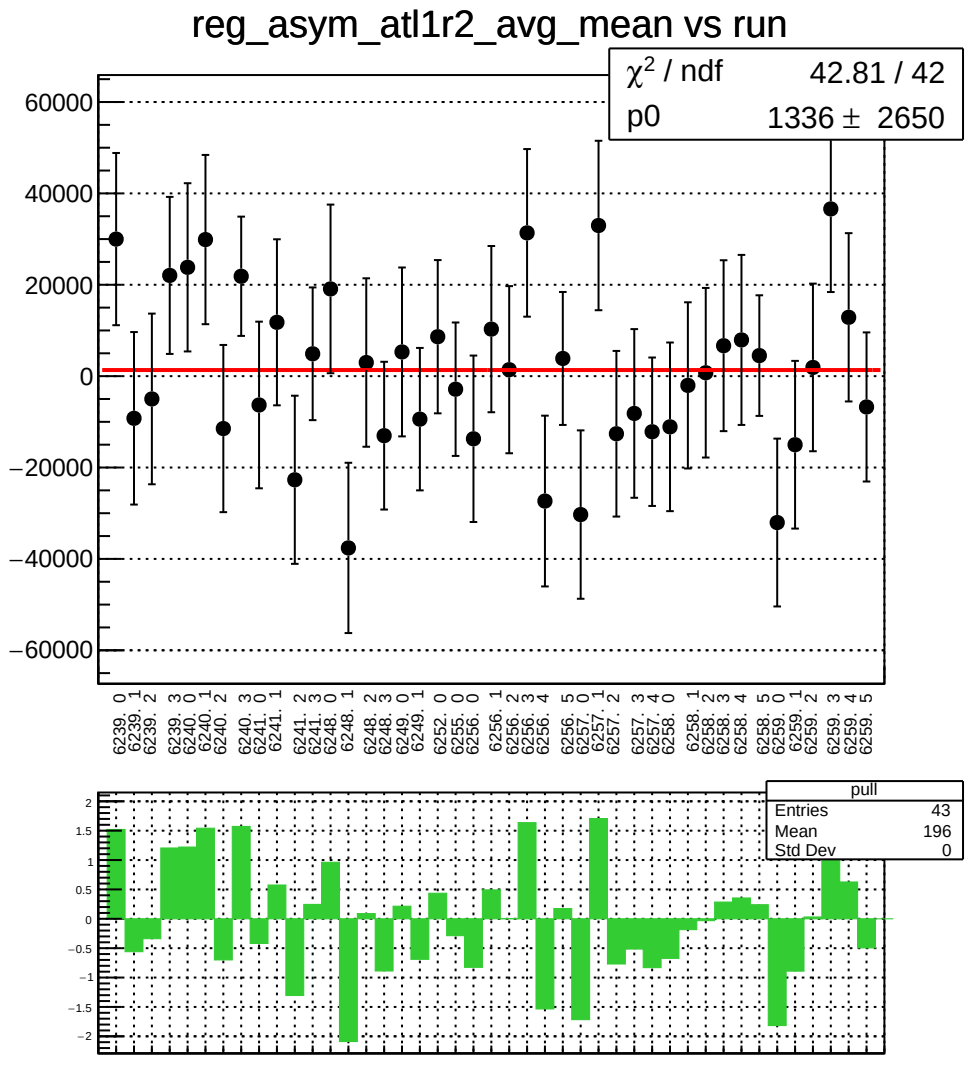

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.62 / 42
p0 0.09425 ± 0.1383
pull
Entries 43
Mean 3.626
Std Dev 15.2

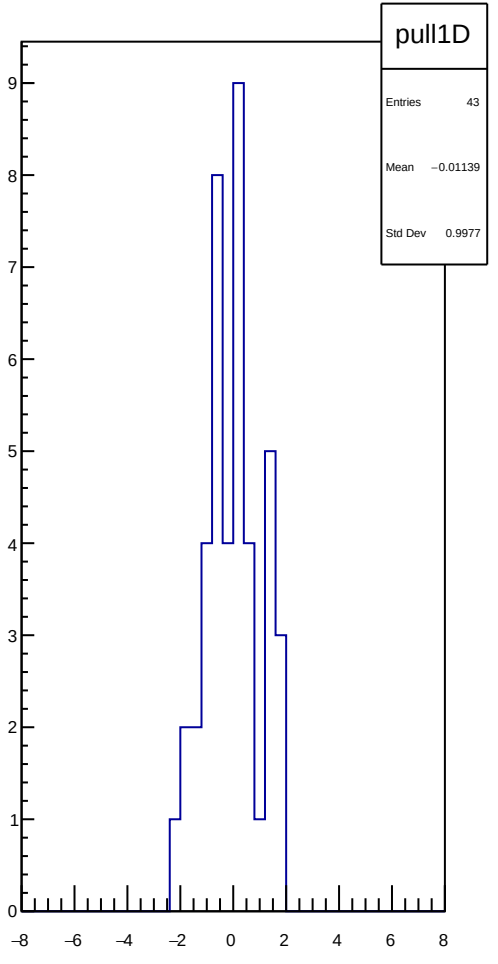

pull1D
Entries 43
Mean 0.06939
Std Dev 0.9202

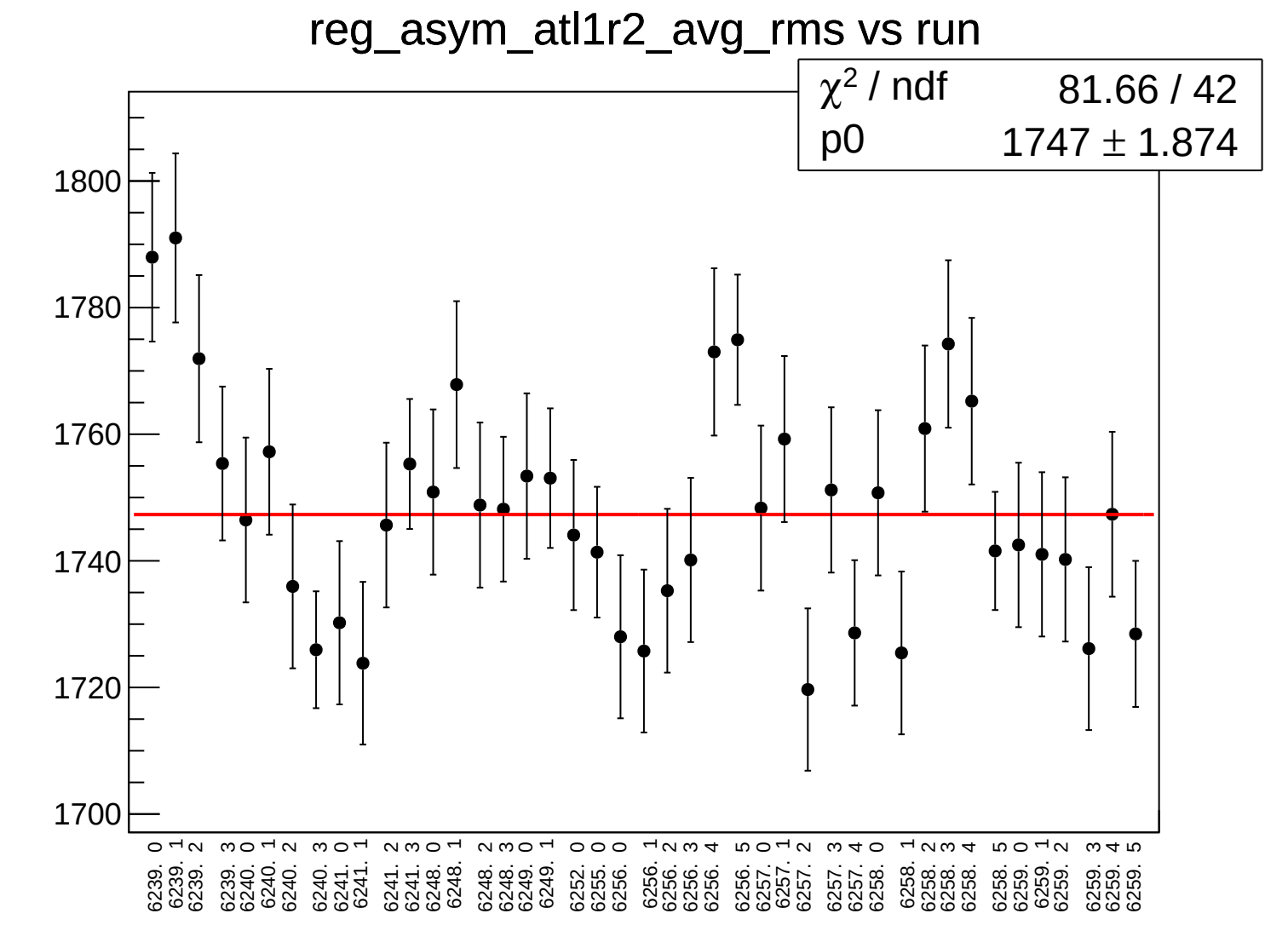

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.101e+04 / 42
p0 86.85 ± 0.09782
240
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

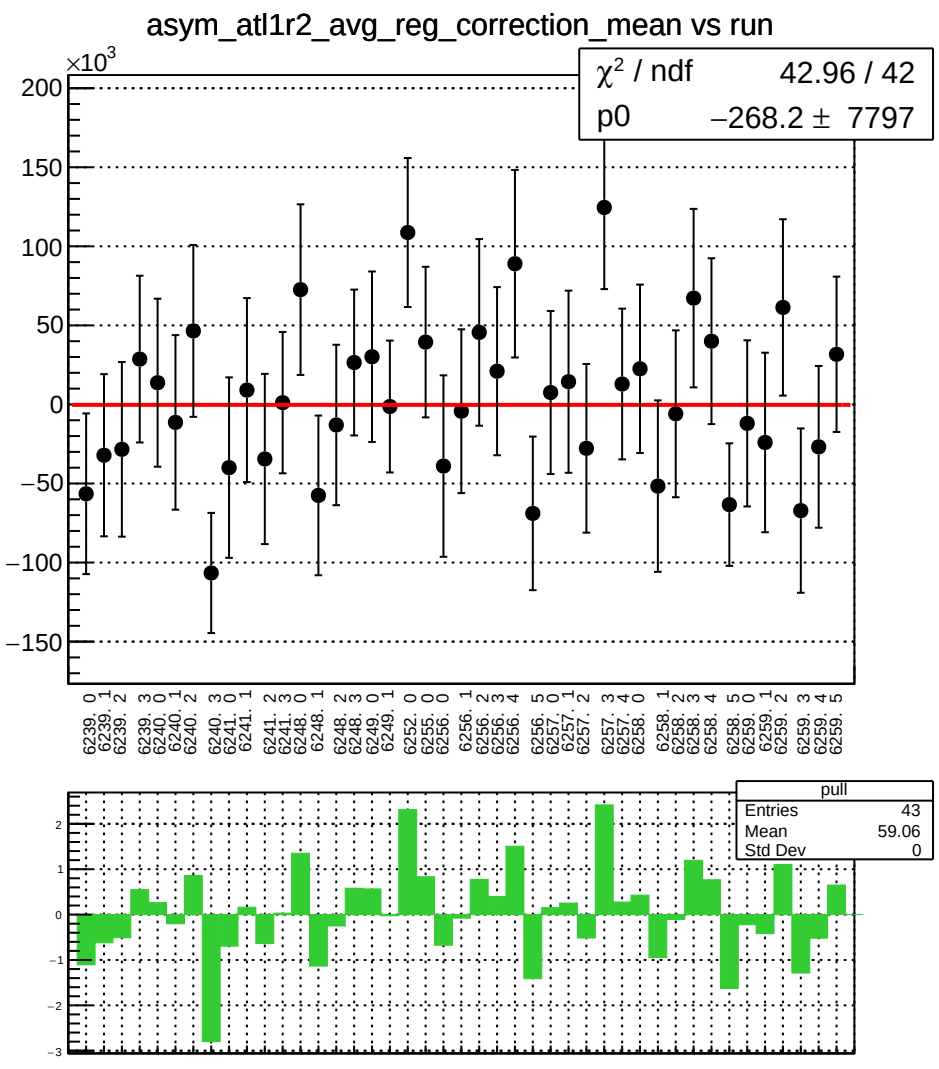

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.62 / 42
p0 −9.709e−14 ± 1.127e−13
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −234.4
Std Dev 0
pull1D
Entries 43
Mean 0.007618
Std Dev 0.9228

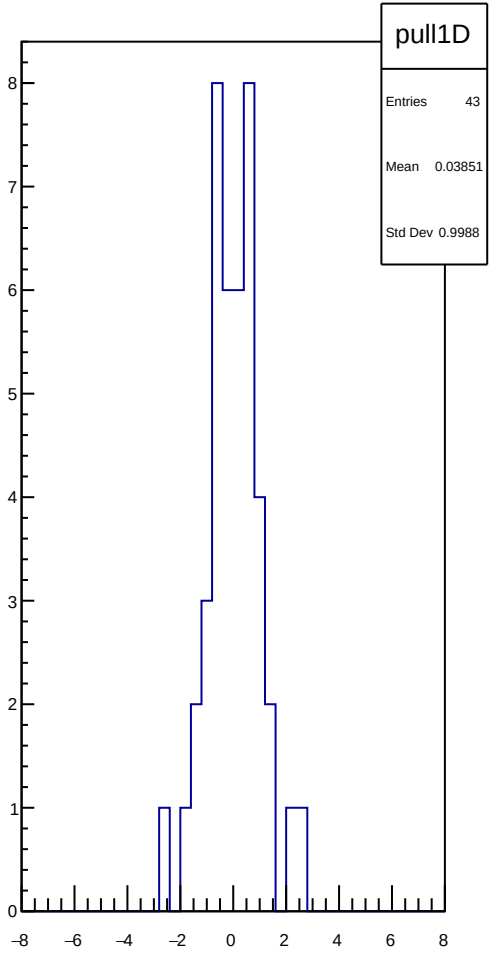

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.643e+05 / 42
p0 6.201e−11 ± 7.972e−14
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

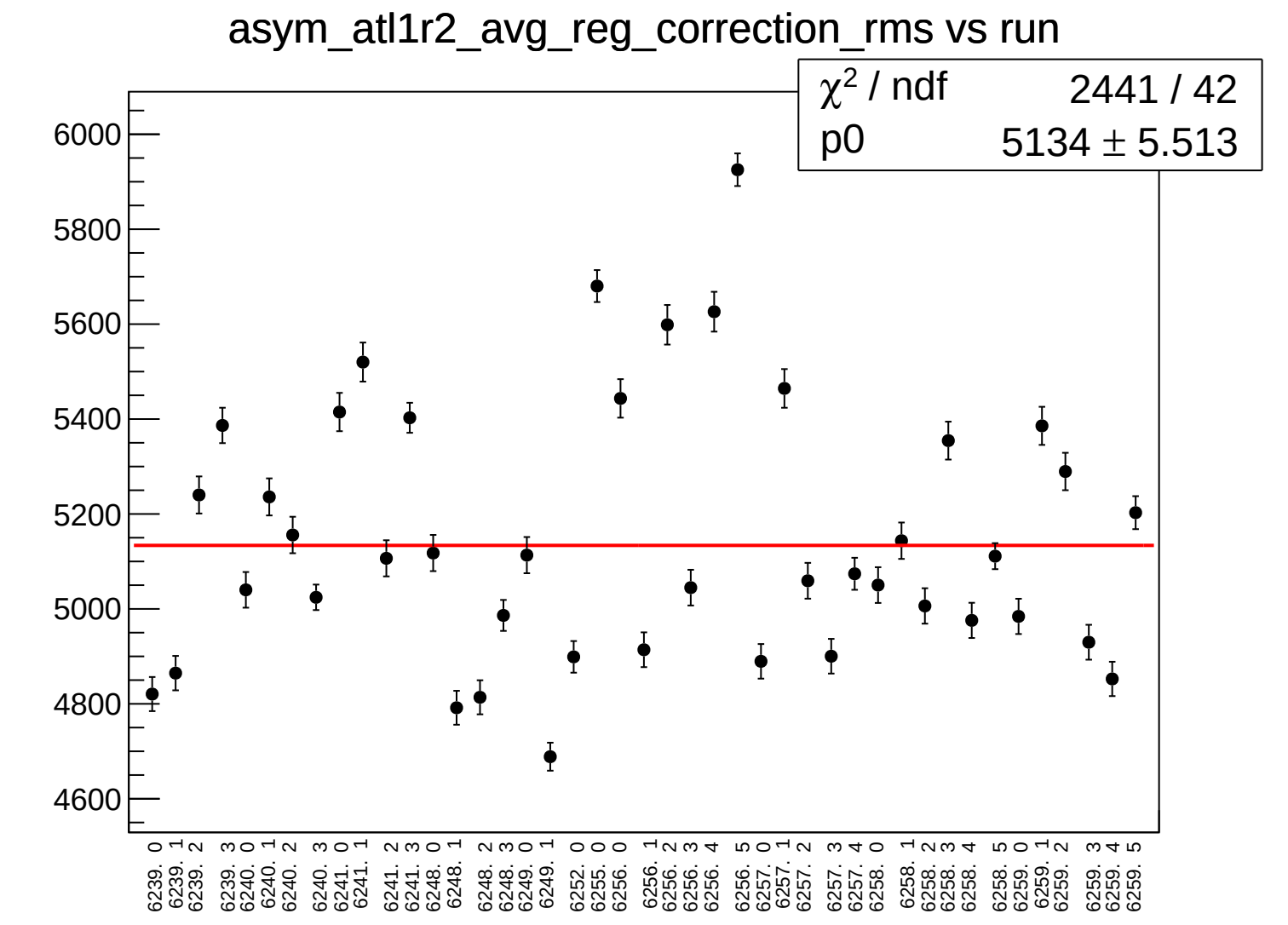

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 42.81 / 42
p0 1336 ± 2650
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

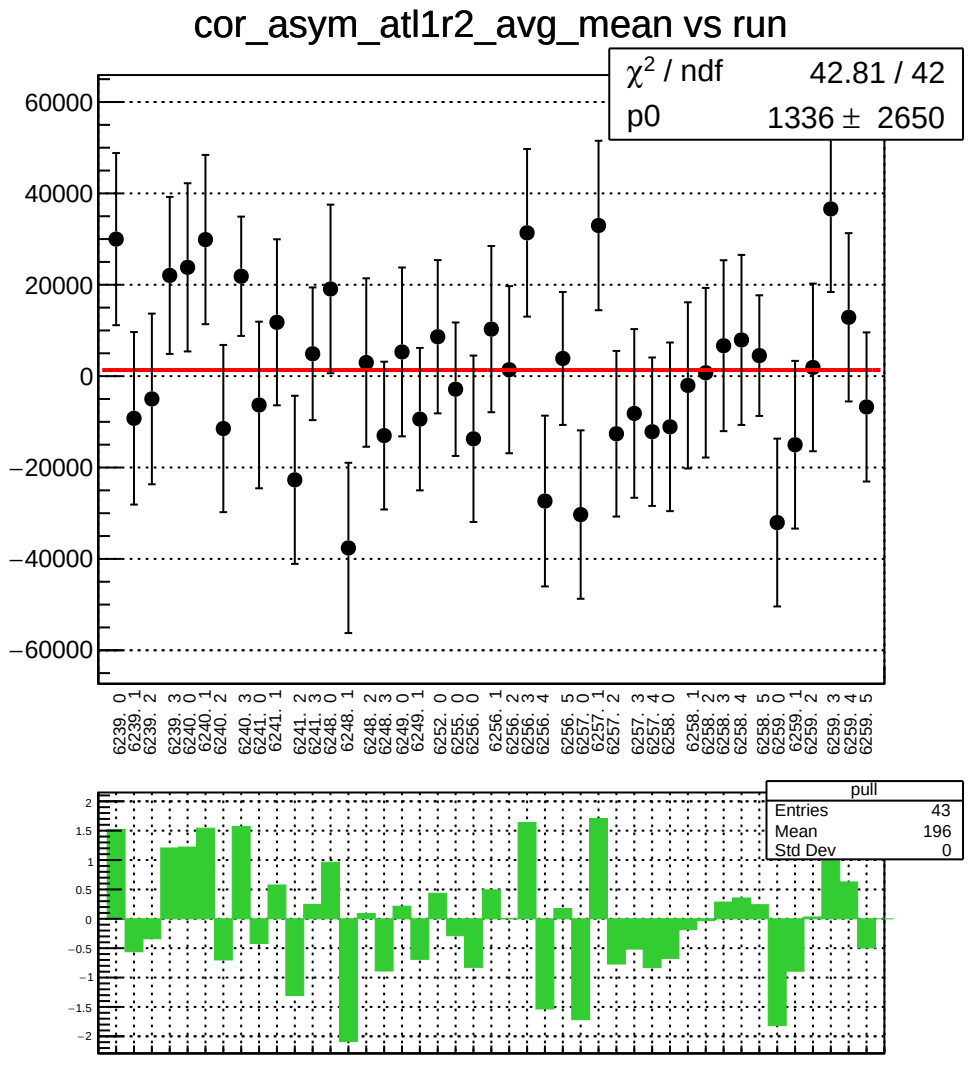

pull1D
Entries 43
Mean −0.01139
Std Dev 0.9977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

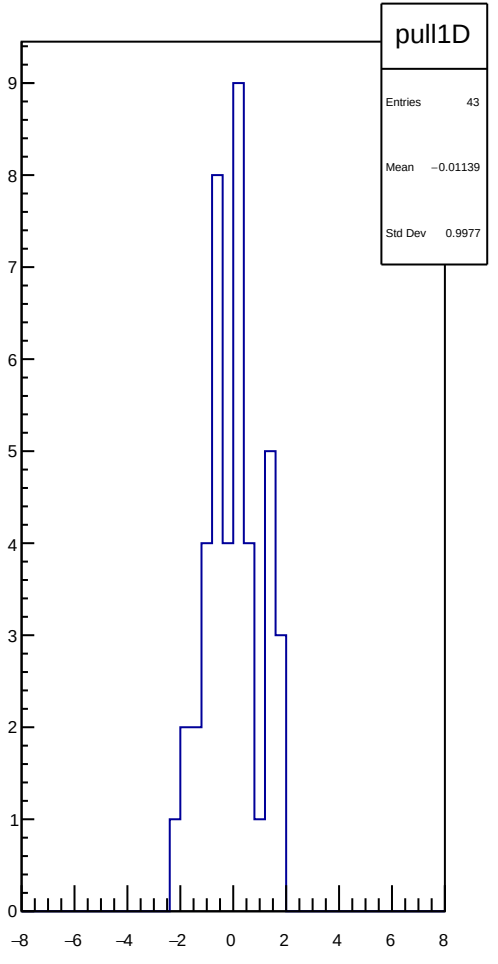

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 81.66 / 42
p0 1747 ± 1.874
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

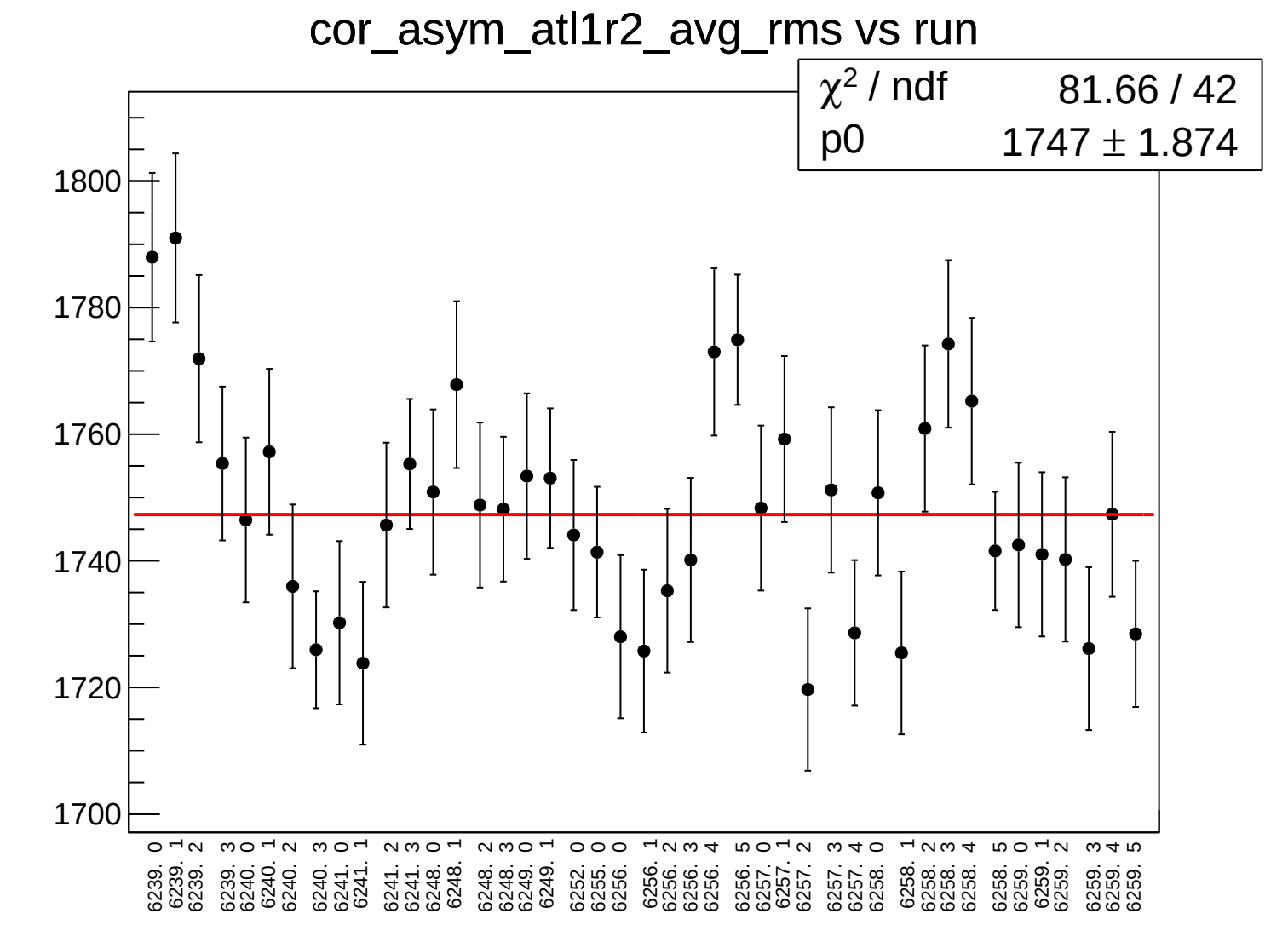

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.96 / 42
p0 −268.2 ± 7797
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.06
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03851
Std Dev 0.9988
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2441 / 42
p0 5134 ± 5.513
6000
5800
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_atl1r2_avg_mean vs run
χ² / ndf 42.81 / 42
p0 1336 ± 2650
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01139
Std Dev 0.9977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_avg_rms vs run
χ² / ndf 81.66 / 42
p0 1747 ± 1.874
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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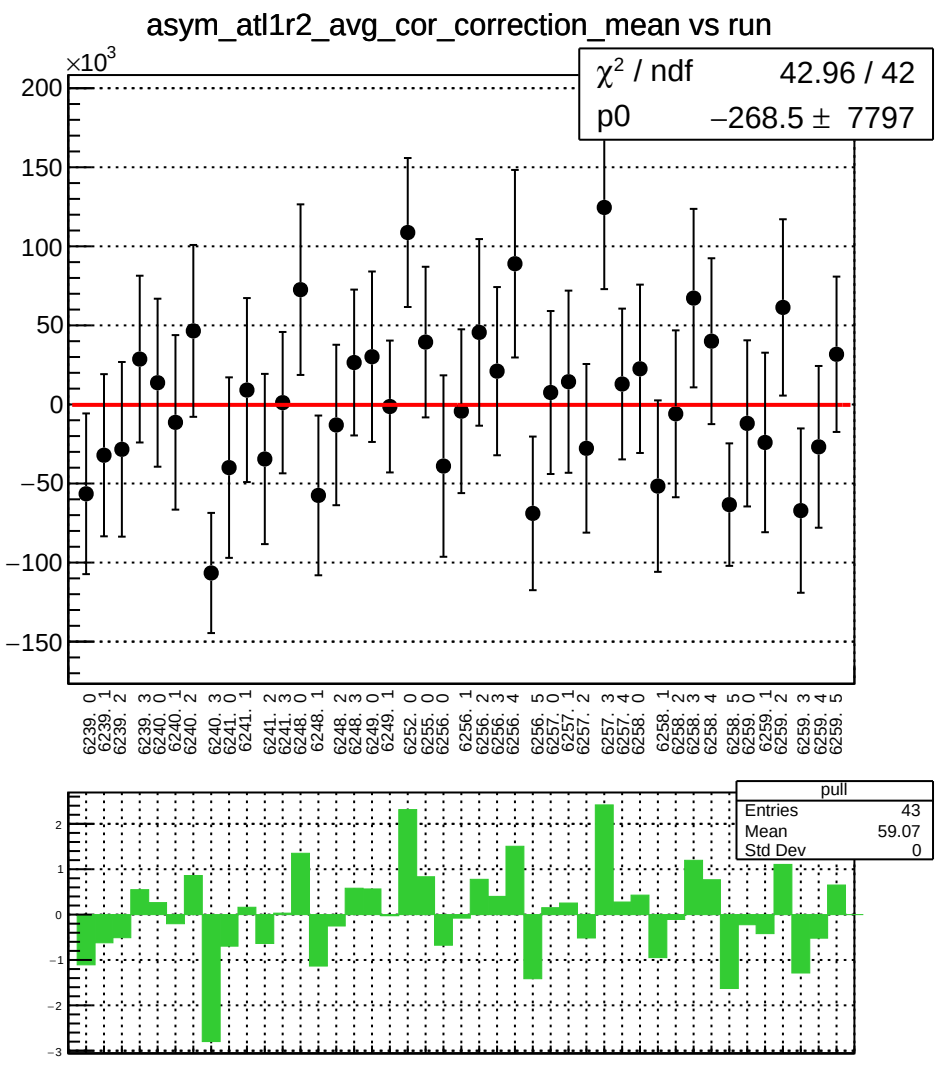
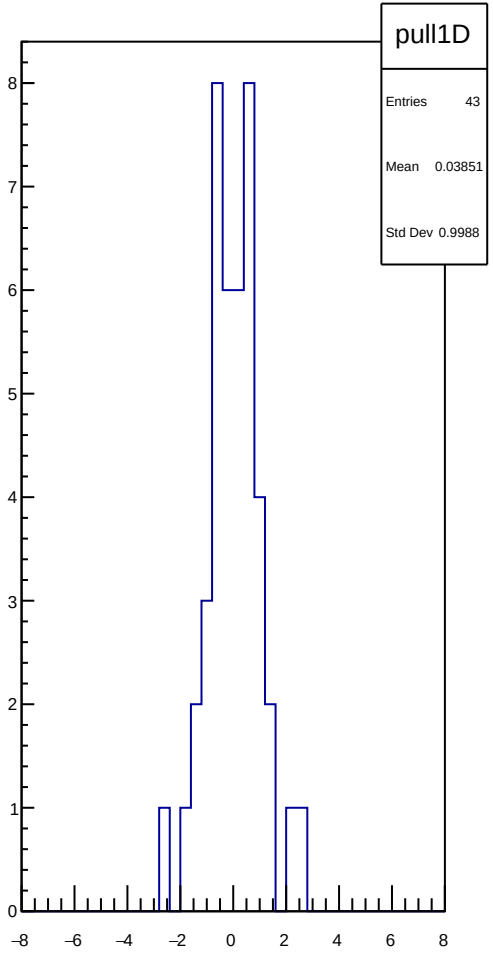
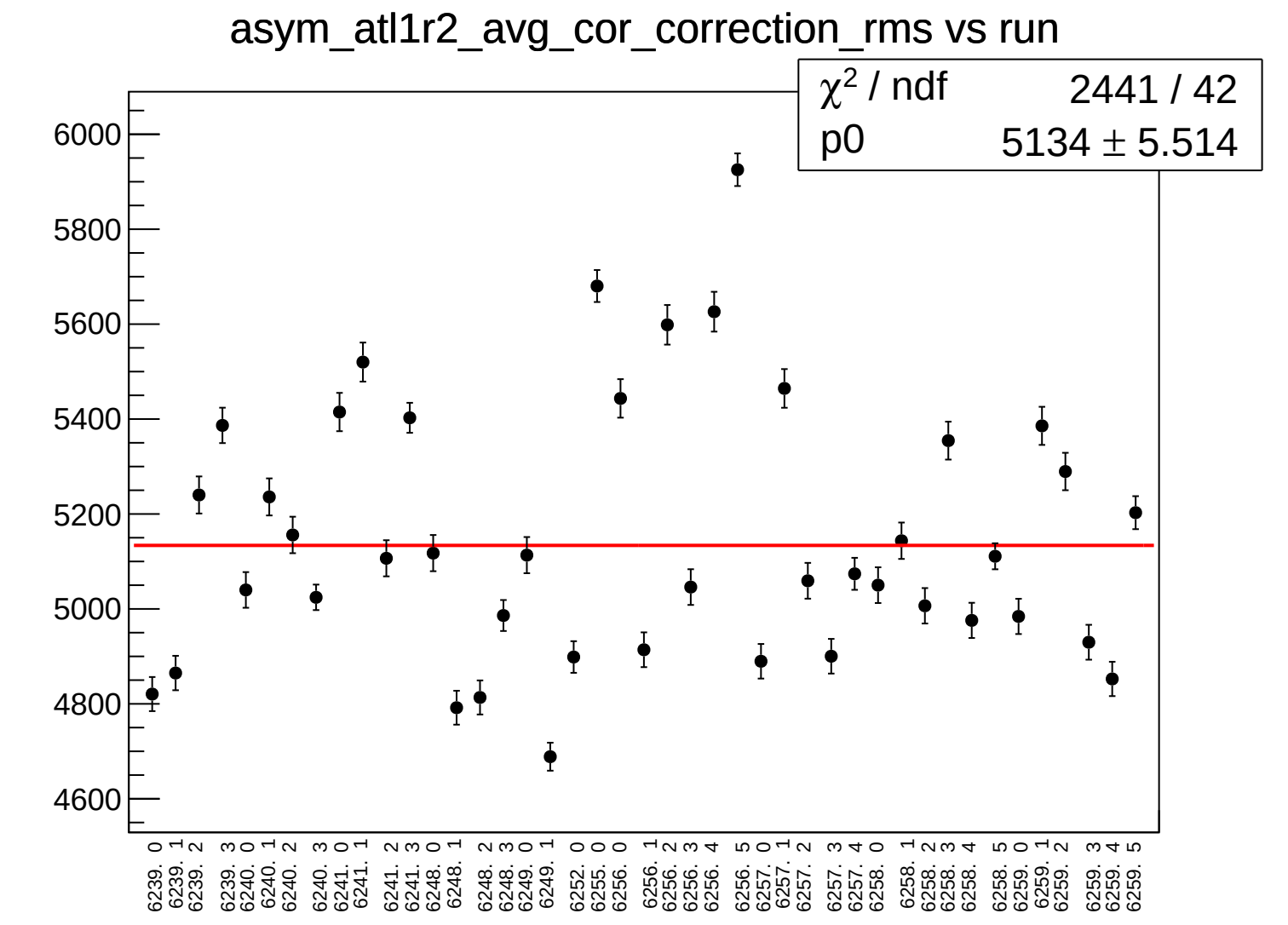
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.96 / 42
p0 −268.5 ± 7797
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.07
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03851
Std Dev 0.9988
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2441 / 42
p0 5134 ± 5.514
6000
5800
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
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6259. 2
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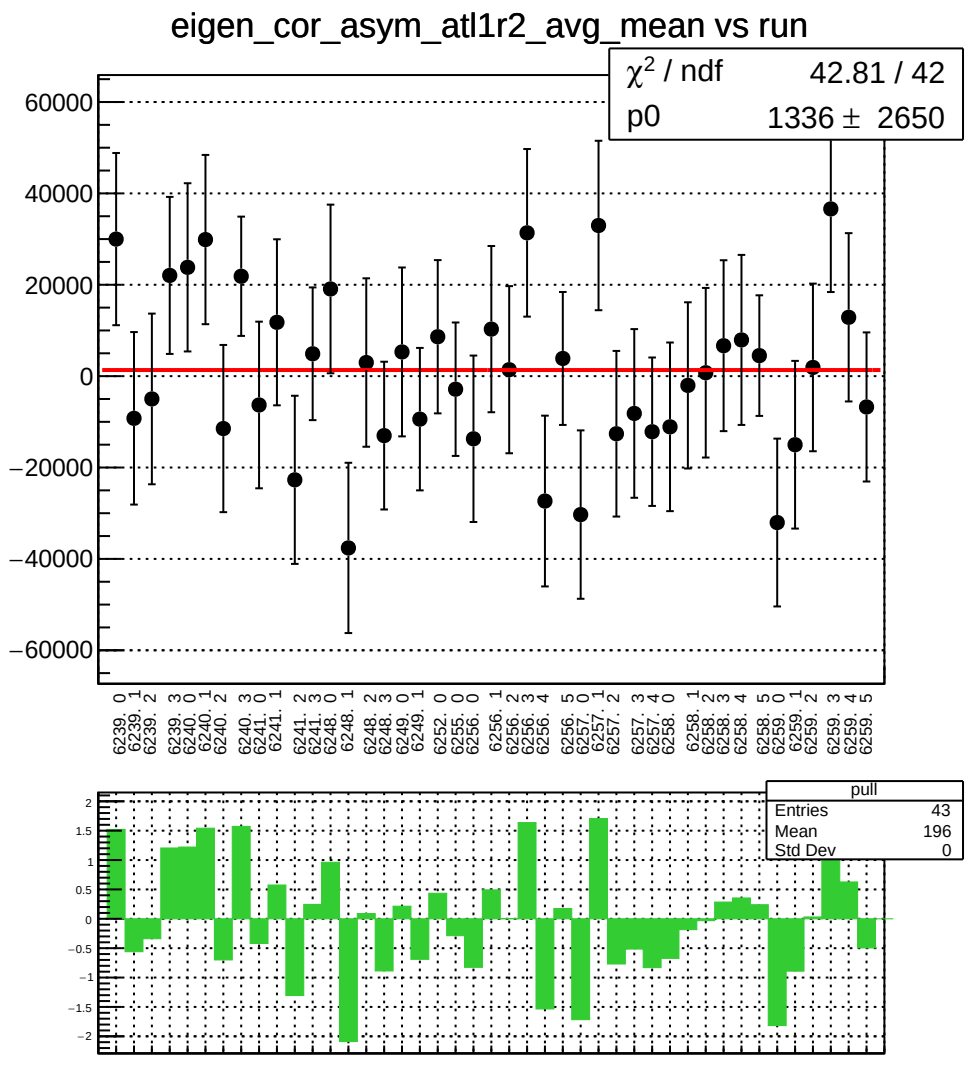
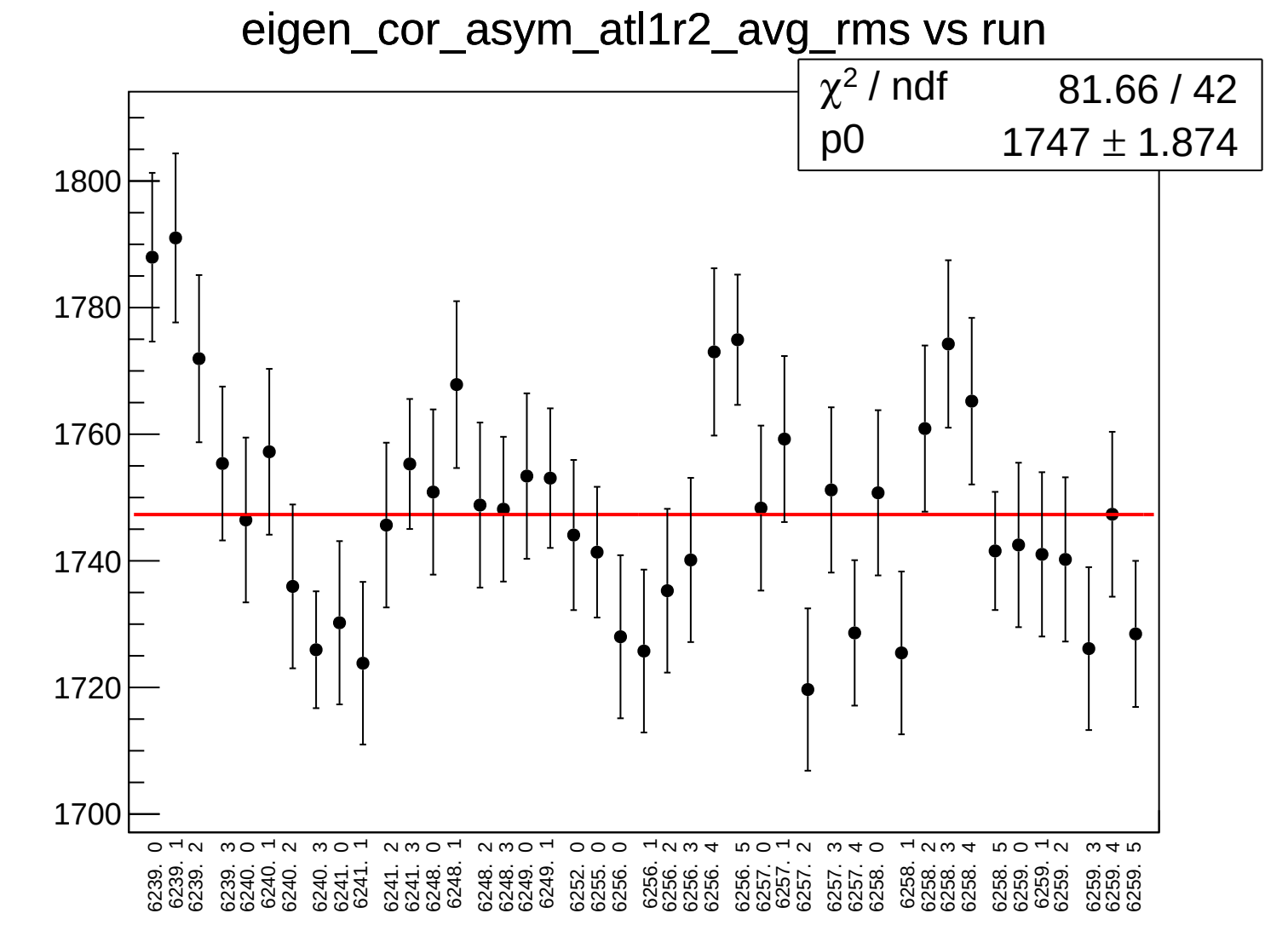
6259. 4
6259. 5


eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 42.81 / 42
p0 1336 ± 2650
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01139
Std Dev 0.9977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 81.66 / 42
p0 1747 ± 1.874
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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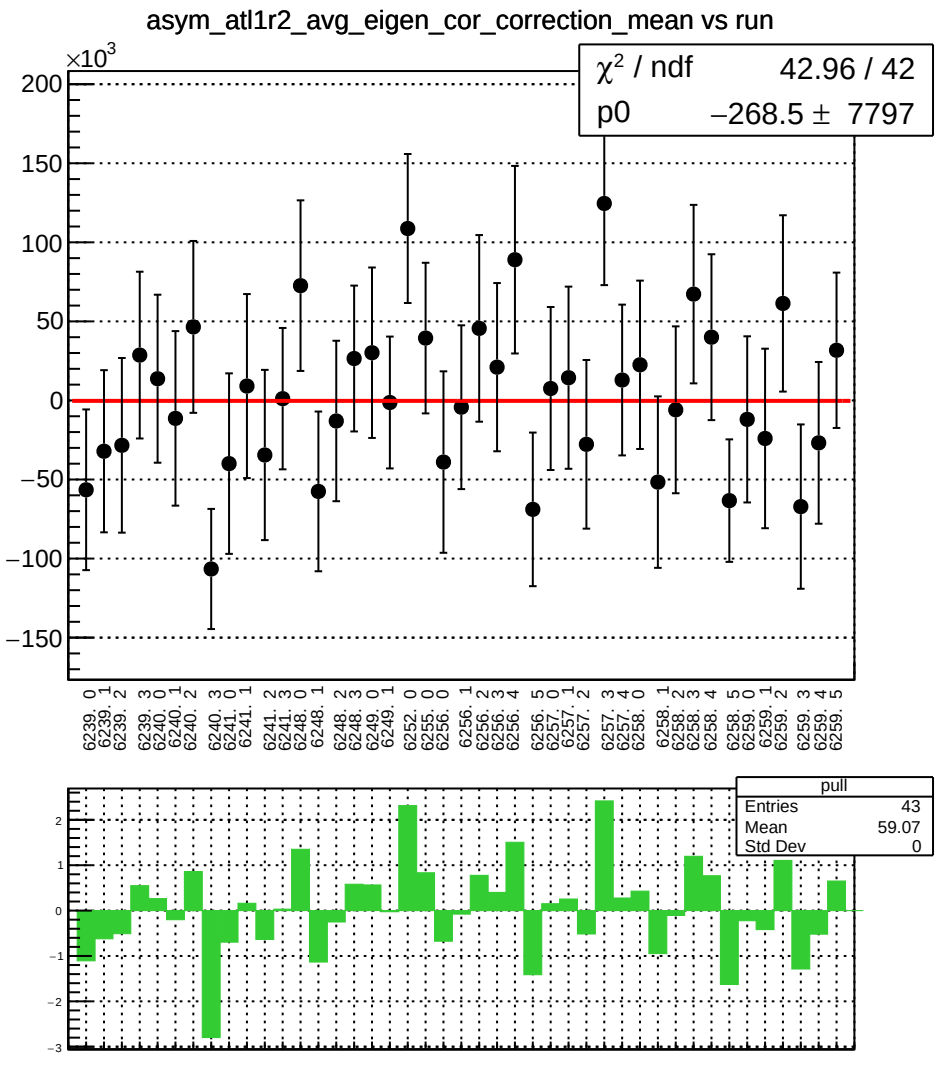
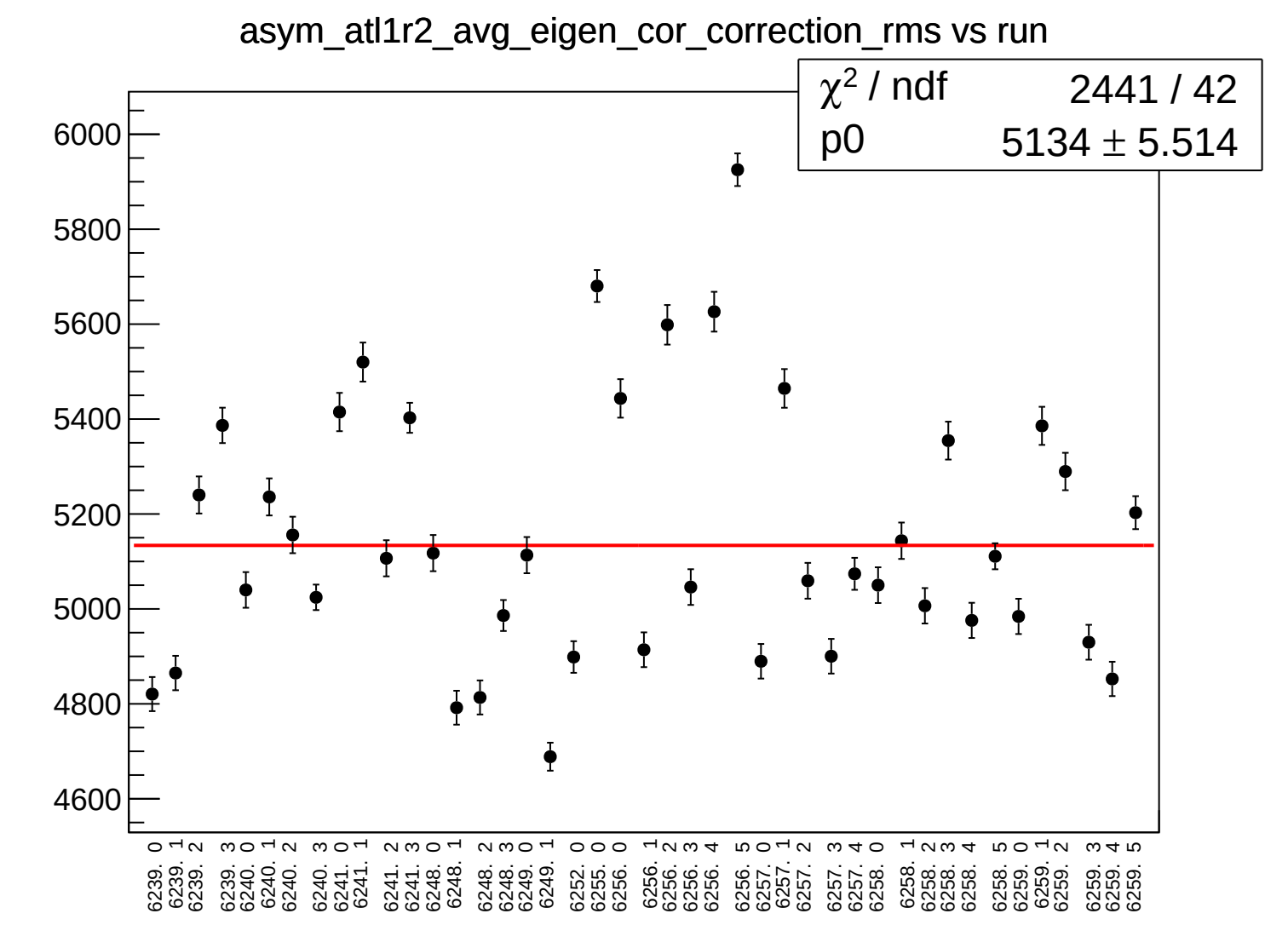
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.96 / 42
p0 −268.5 ± 7797
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.07
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03851
Std Dev 0.9988
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2441 / 42
p0 5134 ± 5.514
6000
5800
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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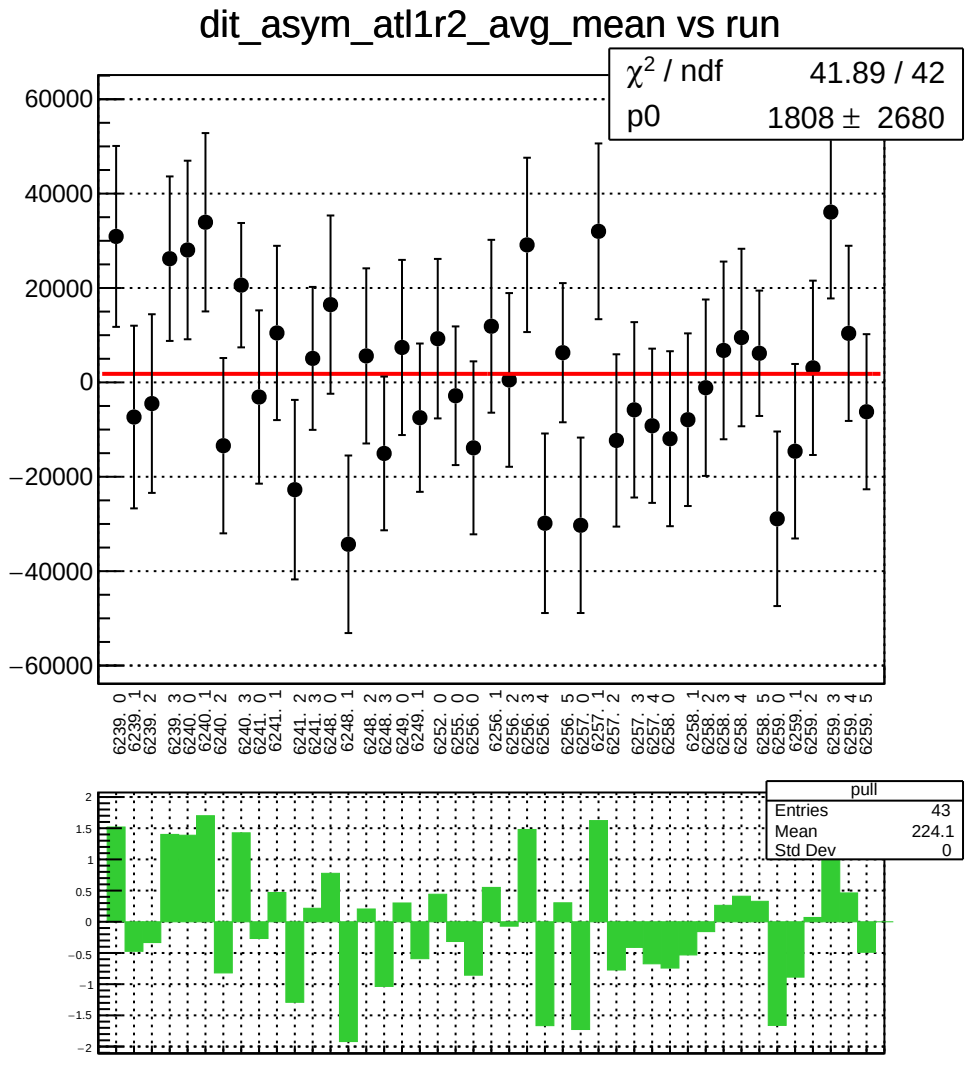
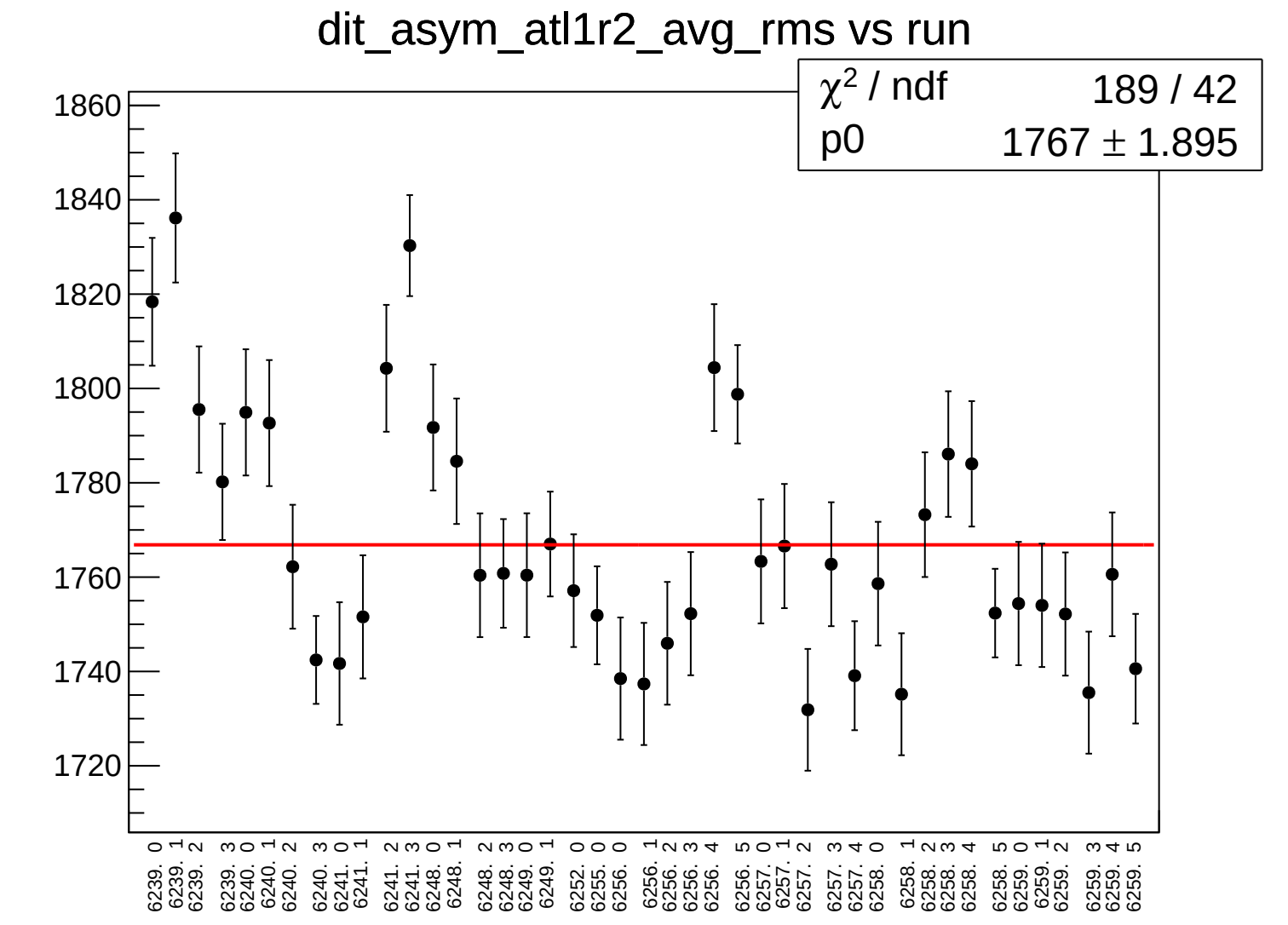
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atl1r2_avg_mean vs run
χ² / ndf 41.89 / 42
p0 1808 ± 2680
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 224.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01115
Std Dev 0.987
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_avg_rms vs run
χ² / ndf 189 / 42
p0 1767 ± 1.895
1860
1840
1820
1800
1780
1760
1740
1720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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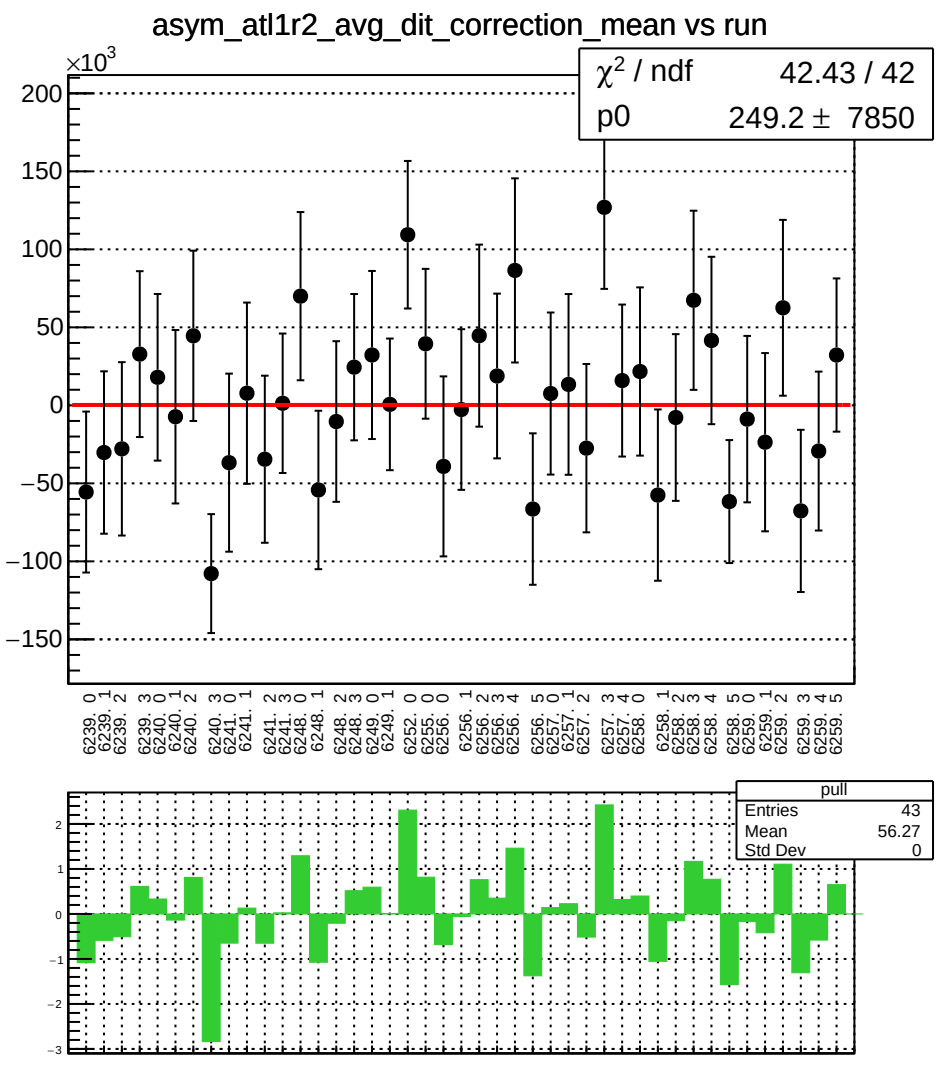
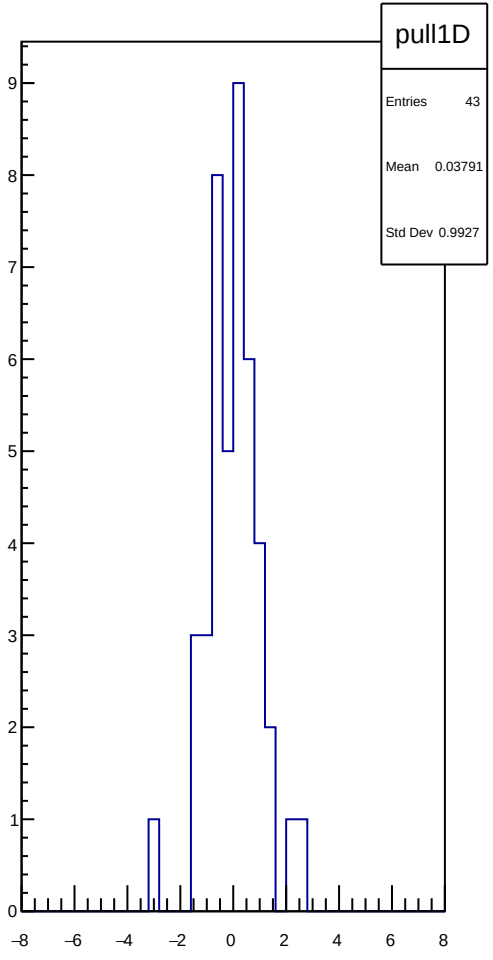
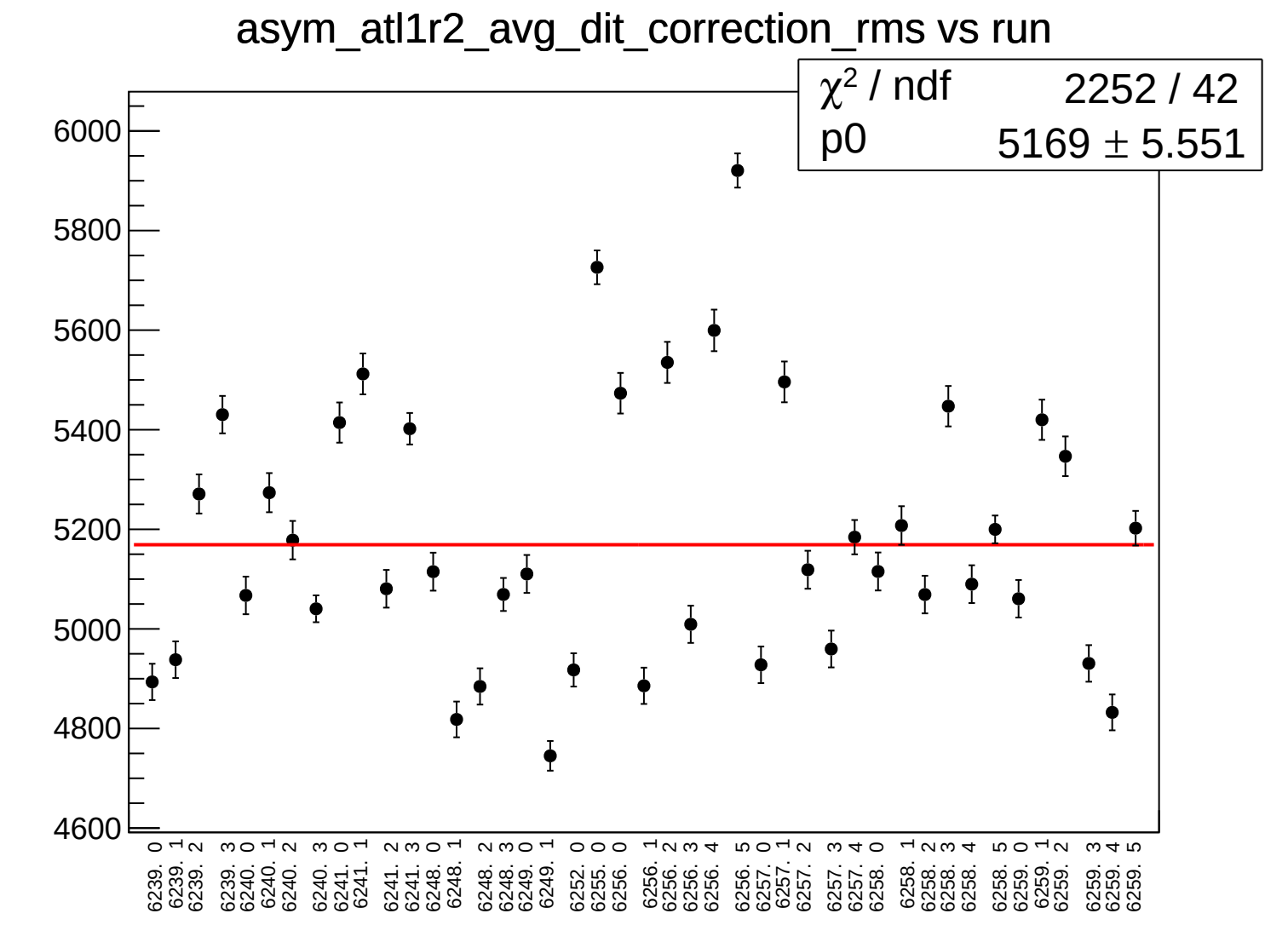
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 42.43 / 42
p0 249.2 ± 7850
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 56.27
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03791
Std Dev 0.9927
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 2252 / 42
p0 5169 ± 5.551
6000
5800
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
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6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6259. 1
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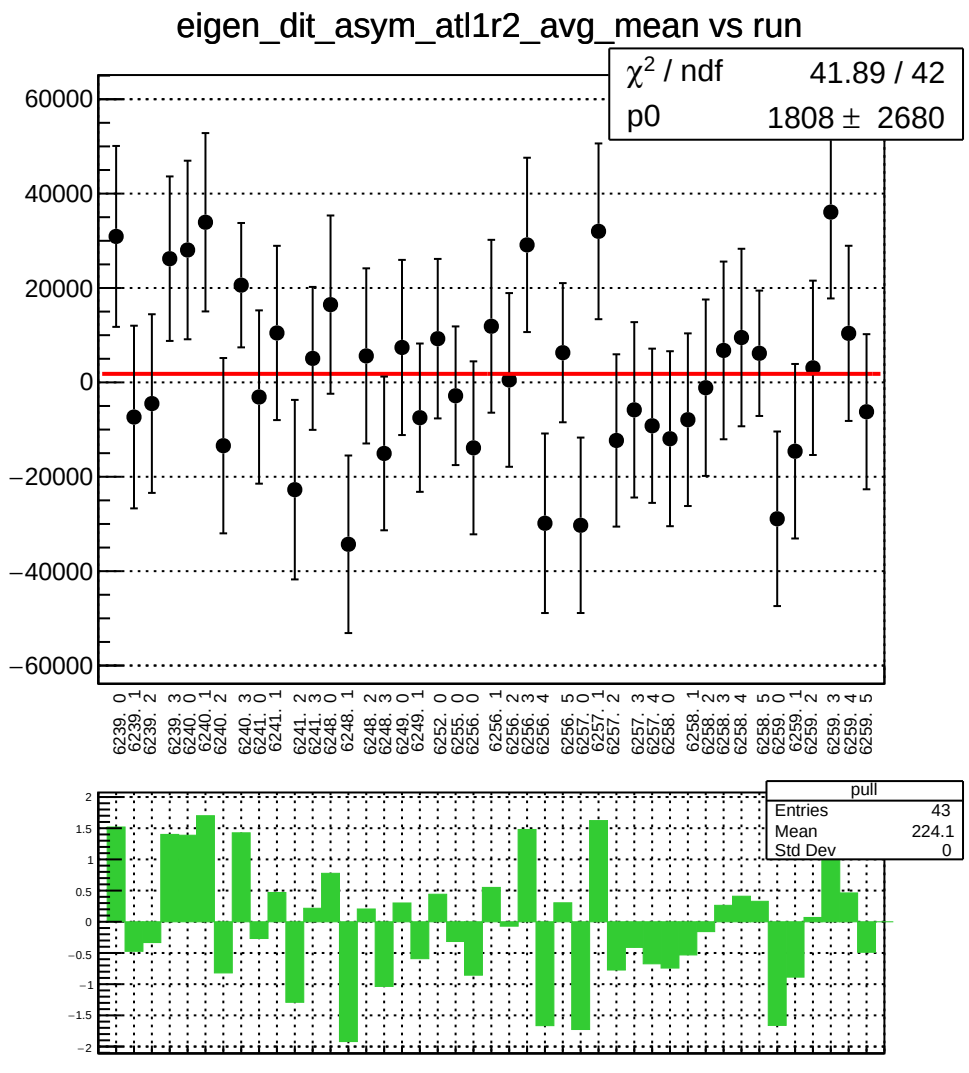
eigen_dit_asym_atl1r2_avg_mean vs run
$\chi^2$ / ndf 41.89 / 42
p0 1808 ± 2680
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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6248. 2
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6249. 1
6252. 0
6255. 0
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6257. 0
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6257. 2
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6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 224.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01115
Std Dev 0.987
8
7
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−4
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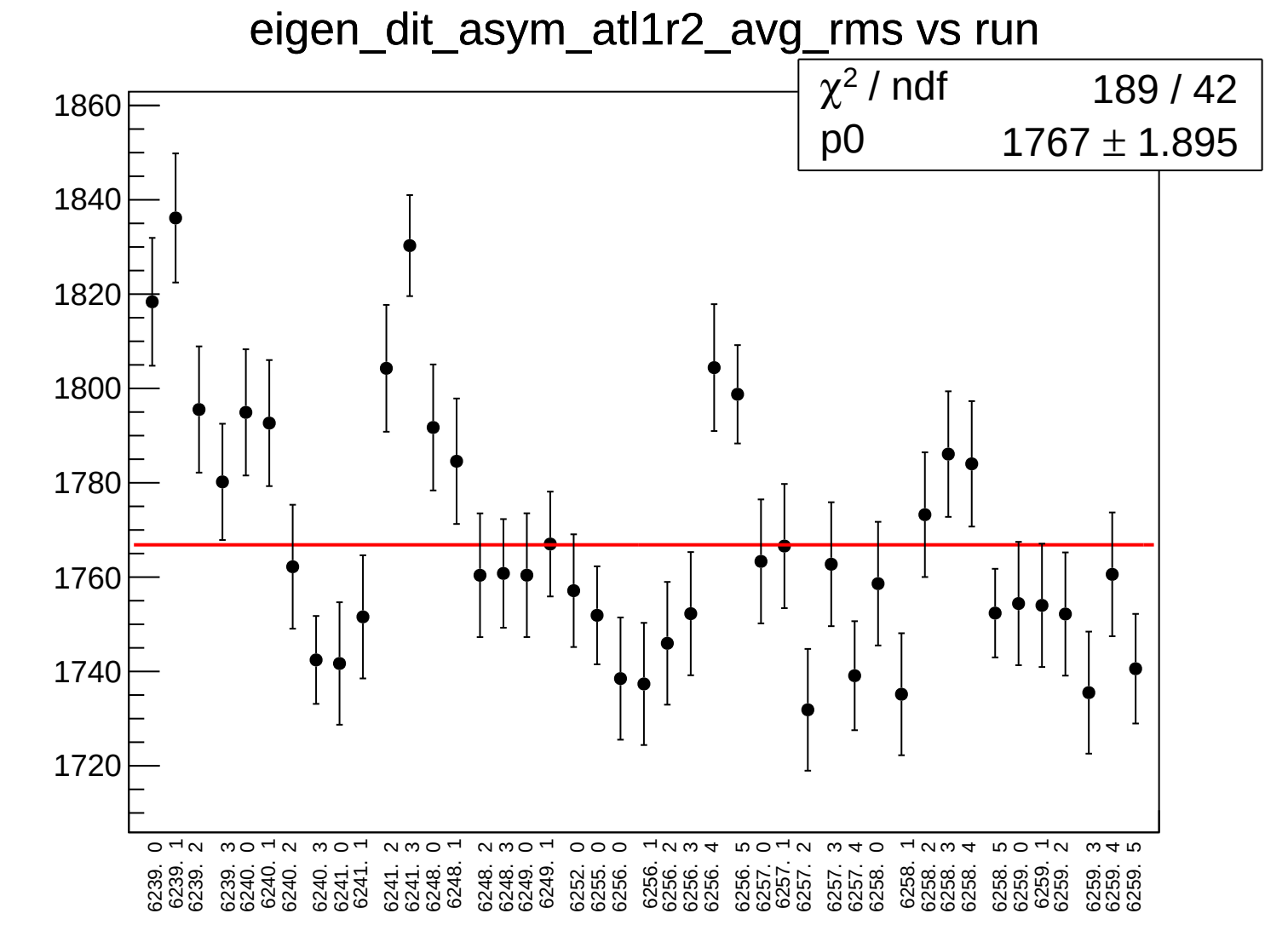
8


eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 189 / 42
p0 1767 ± 1.895
1860
1840
1820
1800
1780
1760
1740
1720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6240. 2
6240. 3
6241. 0
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6256. 2
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6257. 2
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6258. 0
6258. 1
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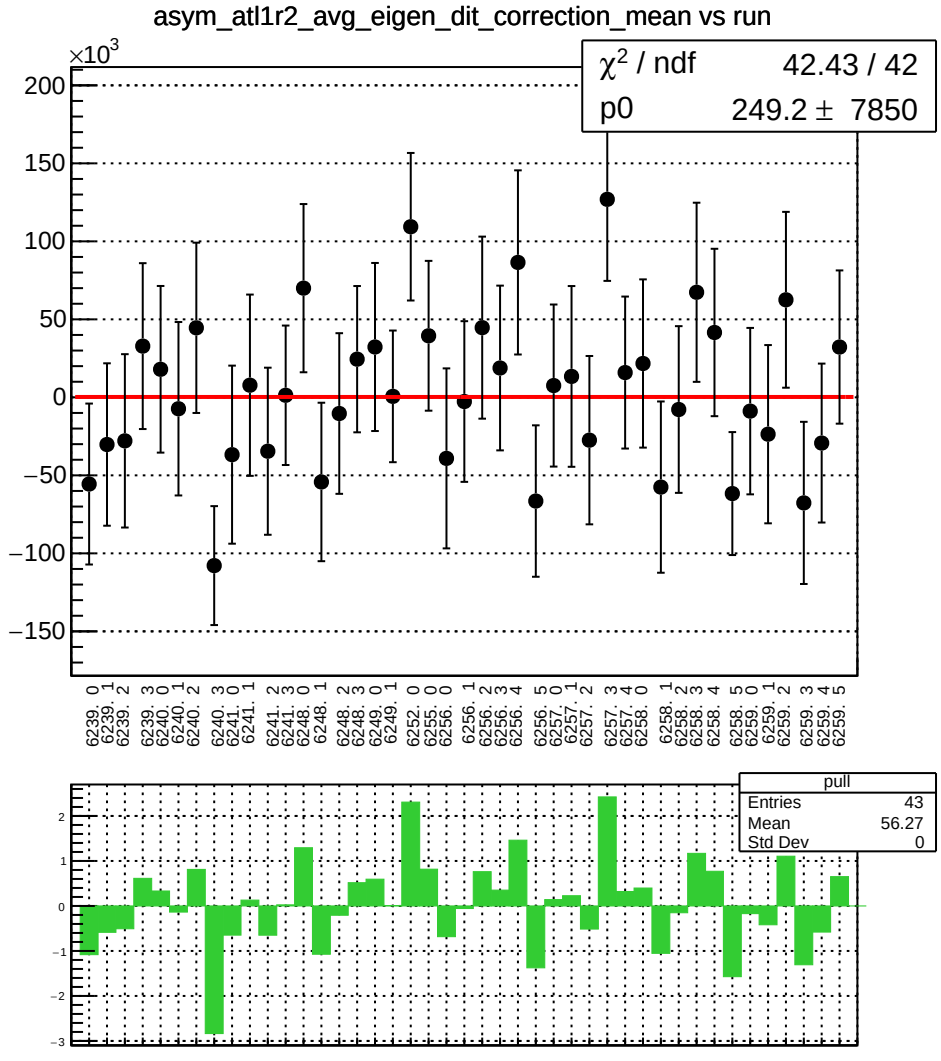
asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 42.43 / 42
p0 249.2 ± 7850
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
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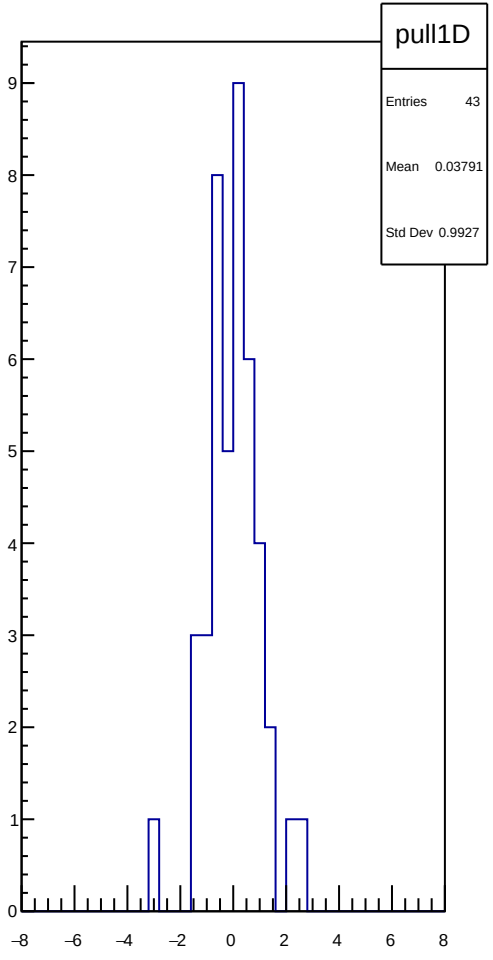
6259. 5
pull
Entries 43
Mean 56.27
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03791
Std Dev 0.9927
9
8
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2
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−4
−2
0
2
4
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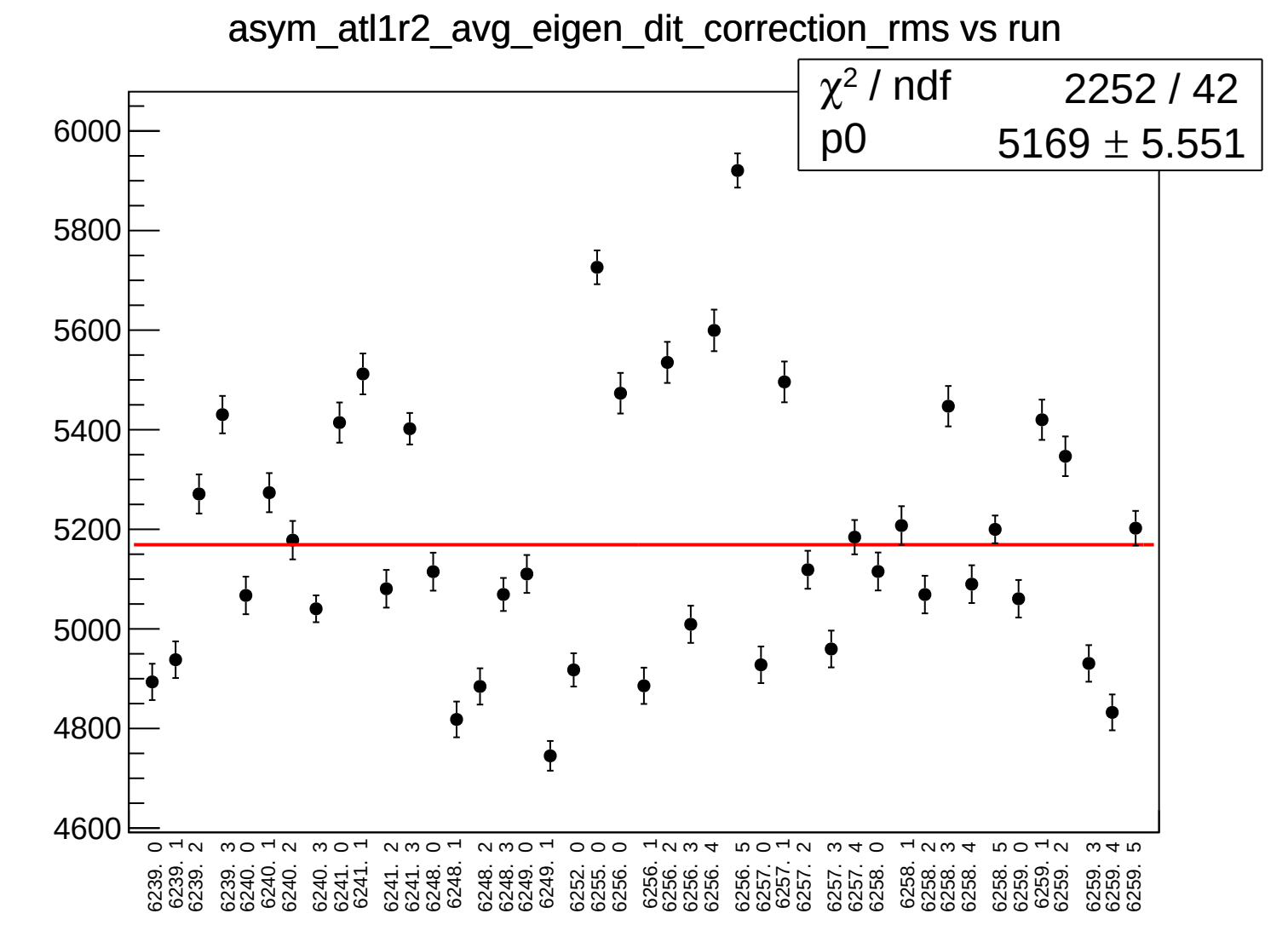
8


asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2252 / 42
p0 5169 ± 5.551
6000
5800
5600
5400
5200
5000
4800
4600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
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6241. 0
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6249. 1
6252. 0
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6258. 4
6258. 5
6259. 0
6259. 1
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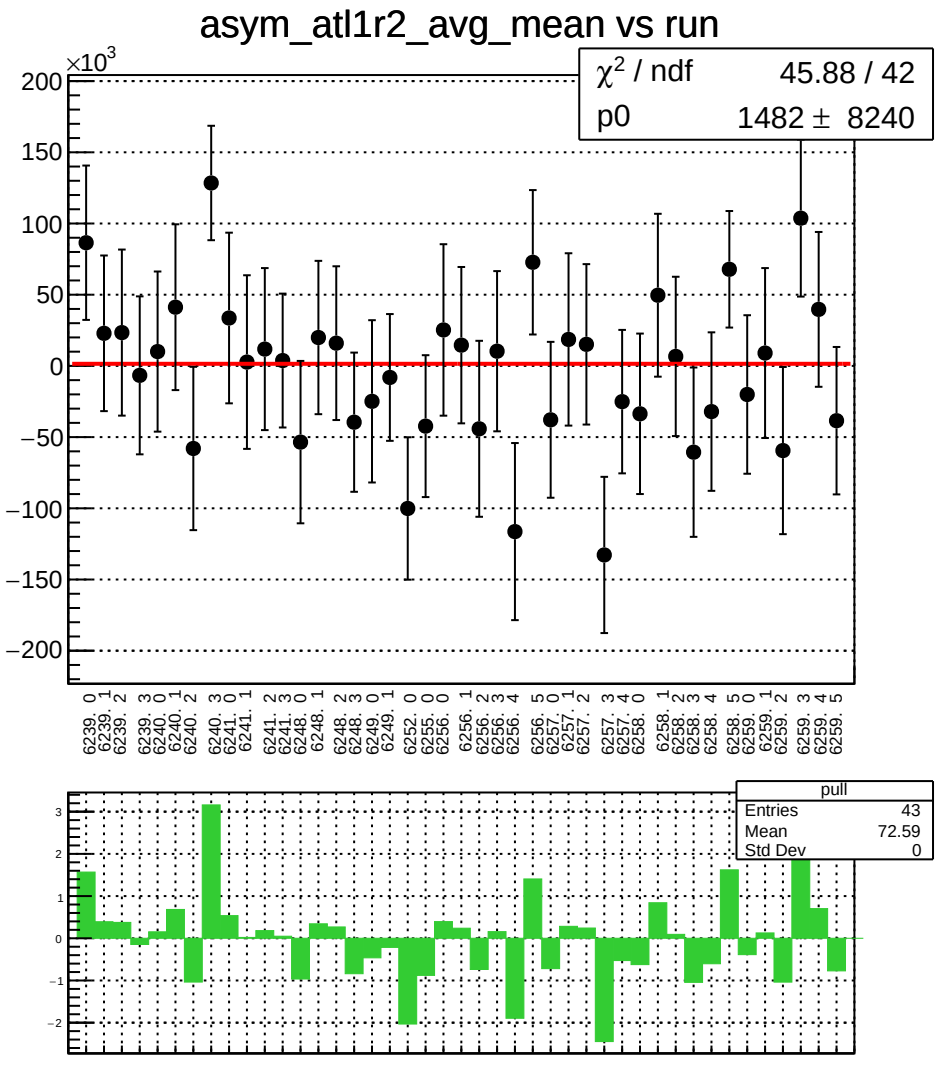
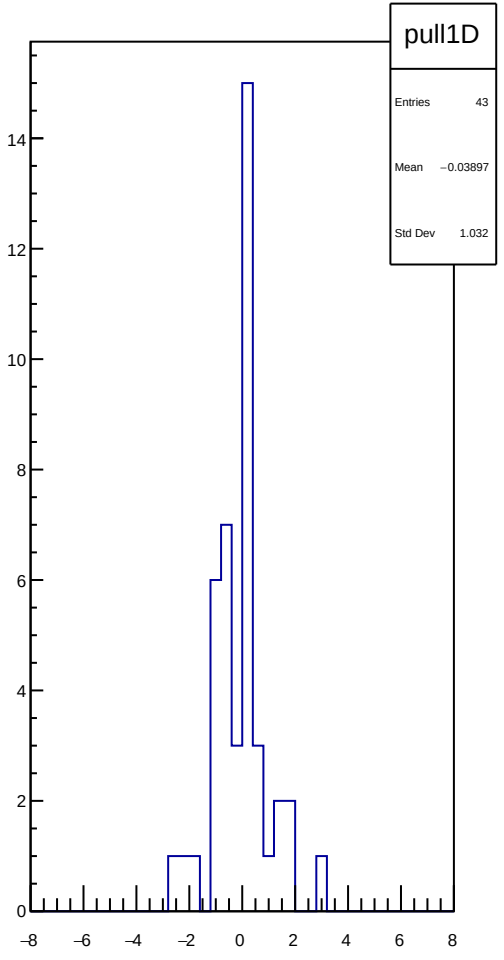
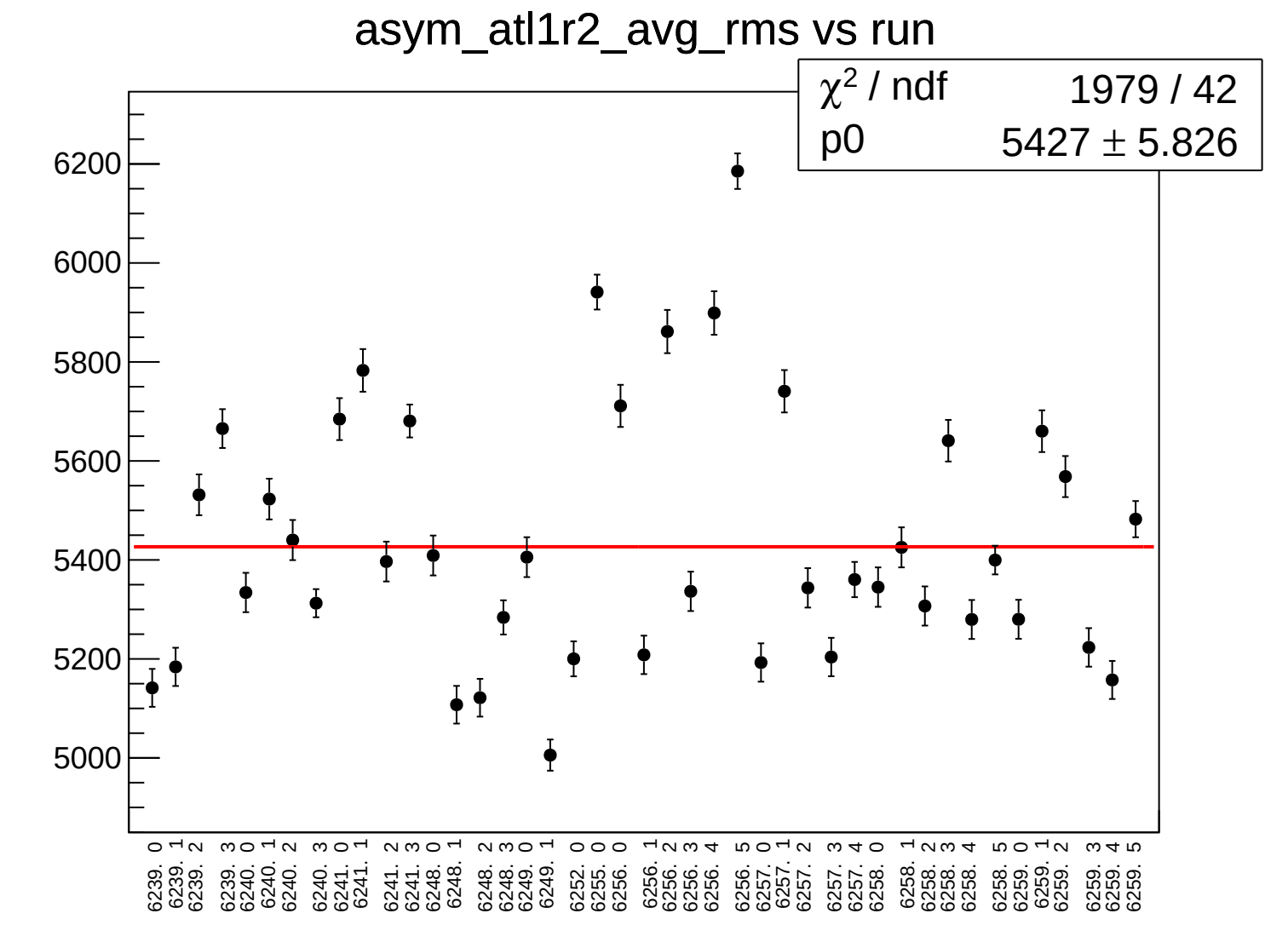
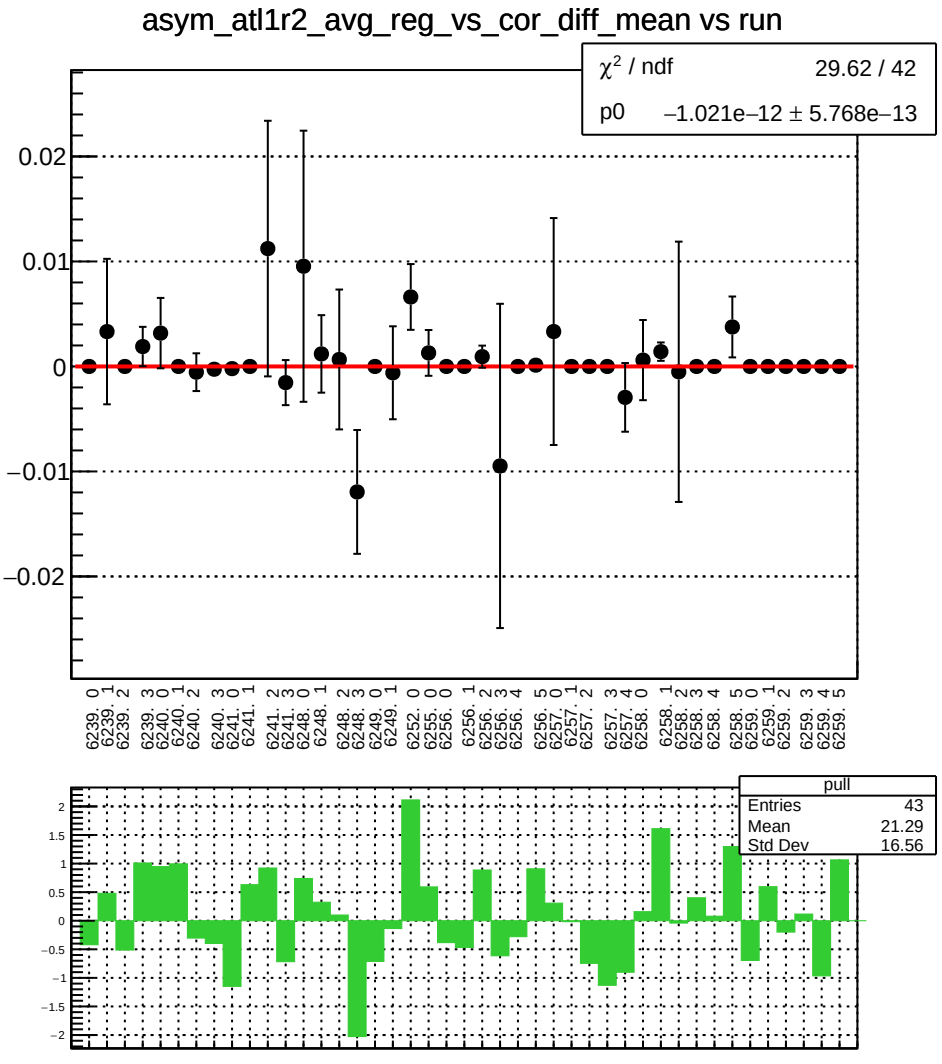
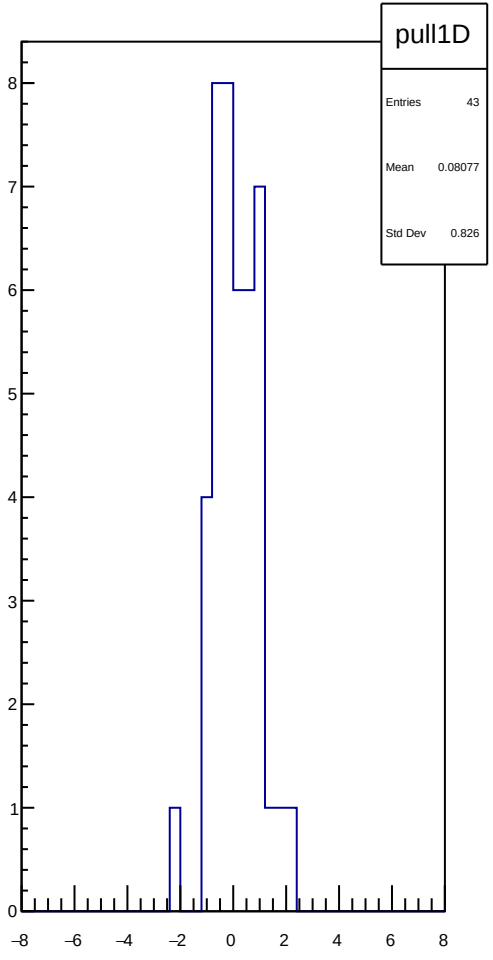
6259. 4
6259. 5

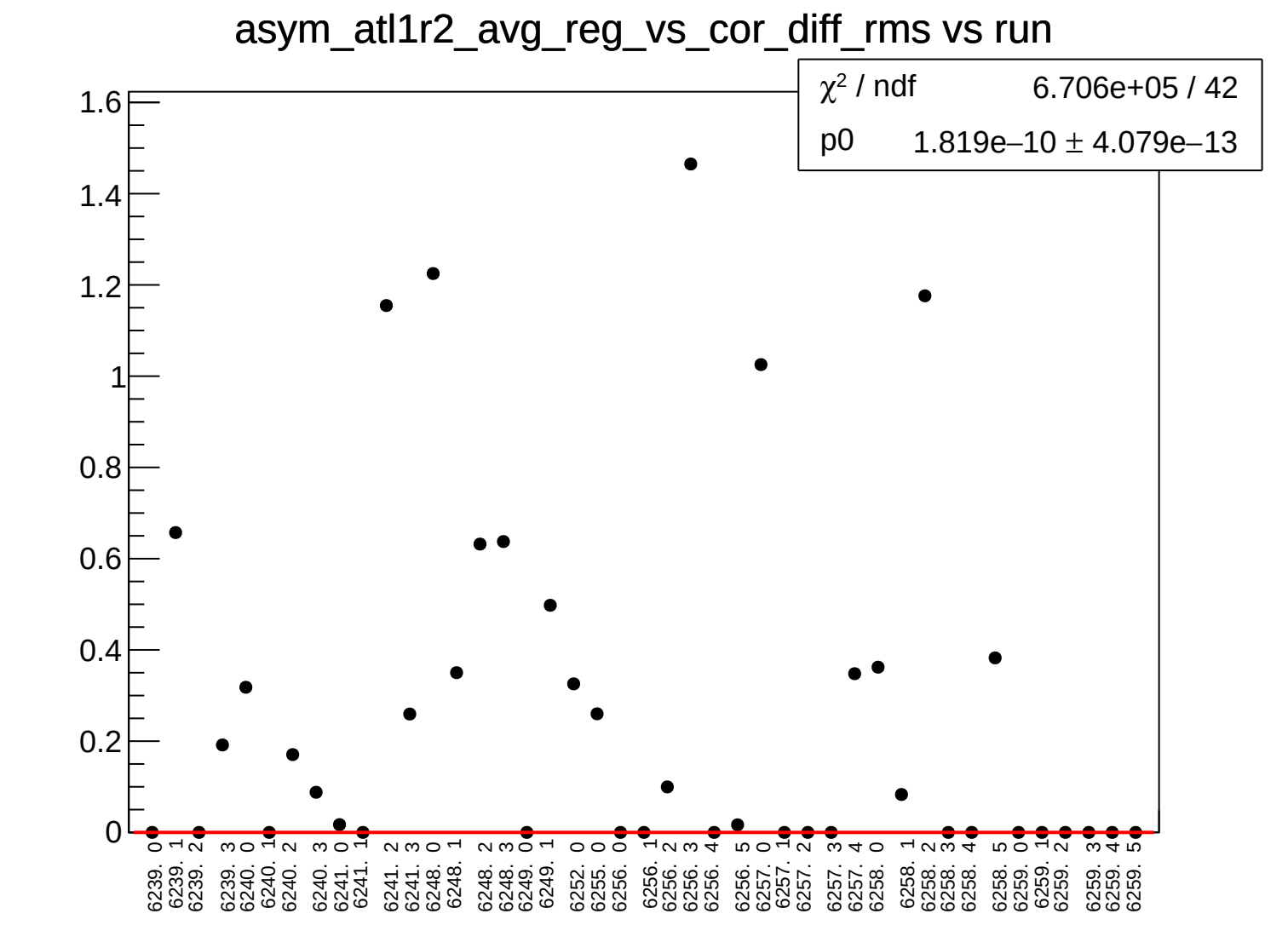

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 45.88 / 42
p0 1482 ± 8240
200
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 72.59
Std Dev 0
3
2
1
0
−1
−2

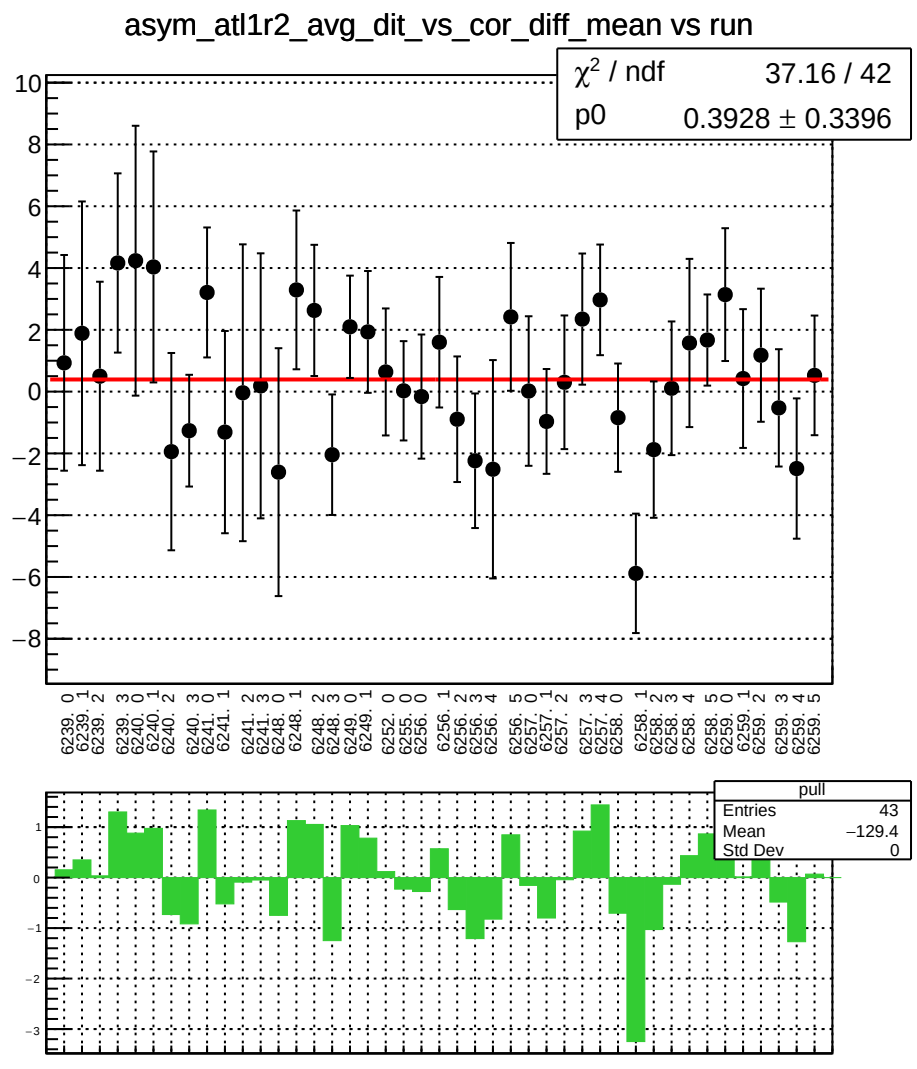

pull1D
Entries 43
Mean −0.03897
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

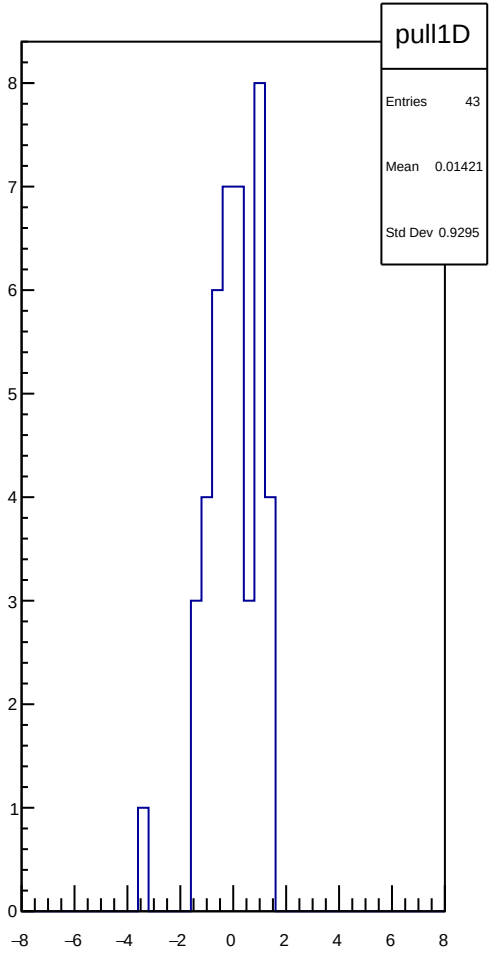

asym_atl1r2_avg_rms vs run
χ² / ndf 1979 / 42
p0 5427 ± 5.826
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

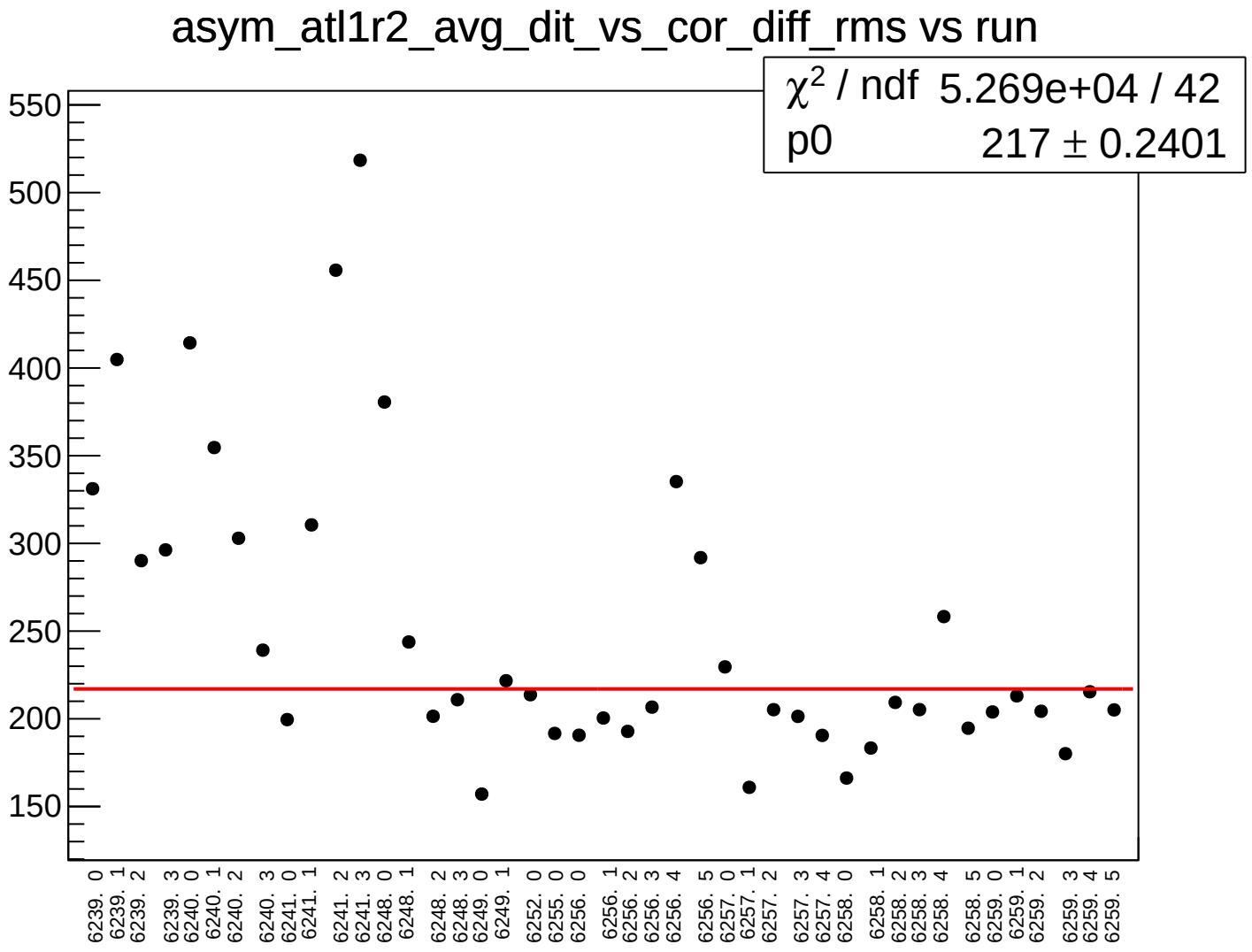

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 29.62 / 42
p0 −1.021e−12 ± 5.768e−13
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.29
Std Dev 16.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

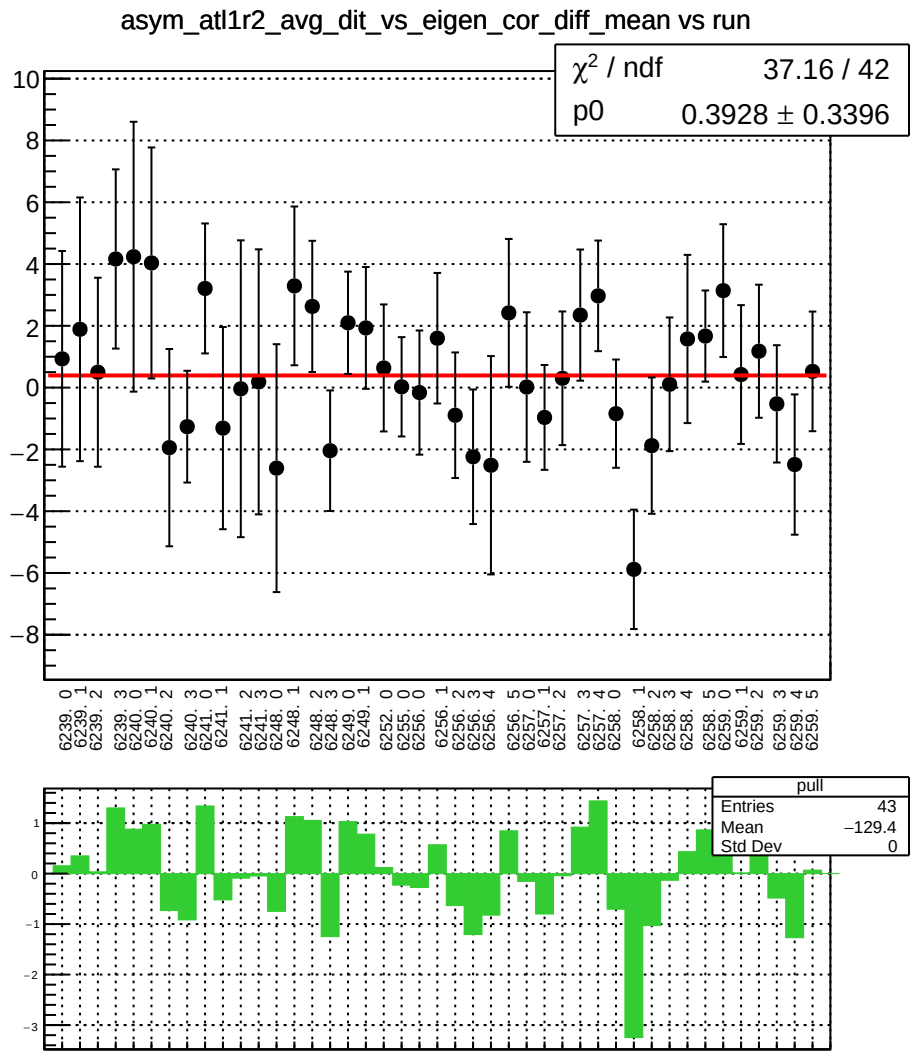

pull1D
Entries 43
Mean 0.08077
Std Dev 0.826
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

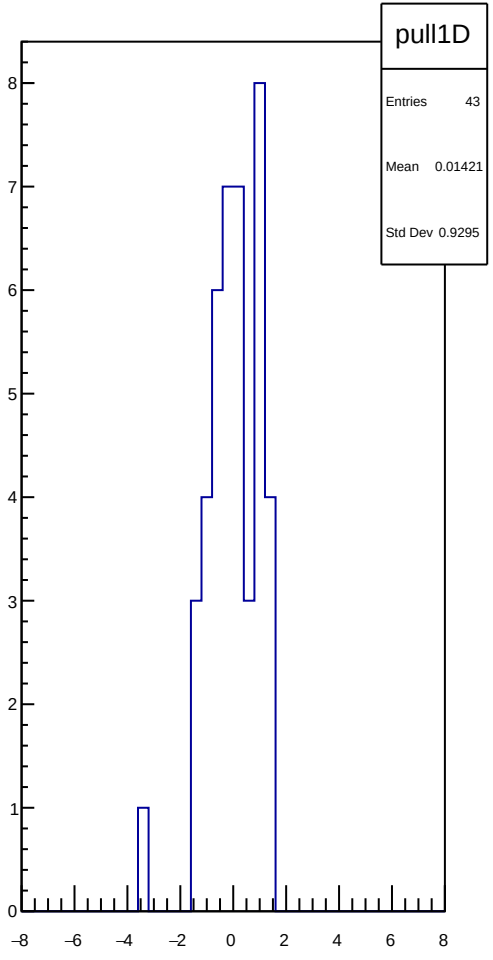

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.706e+05 / 42
p0 1.819e−10 ± 4.079e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

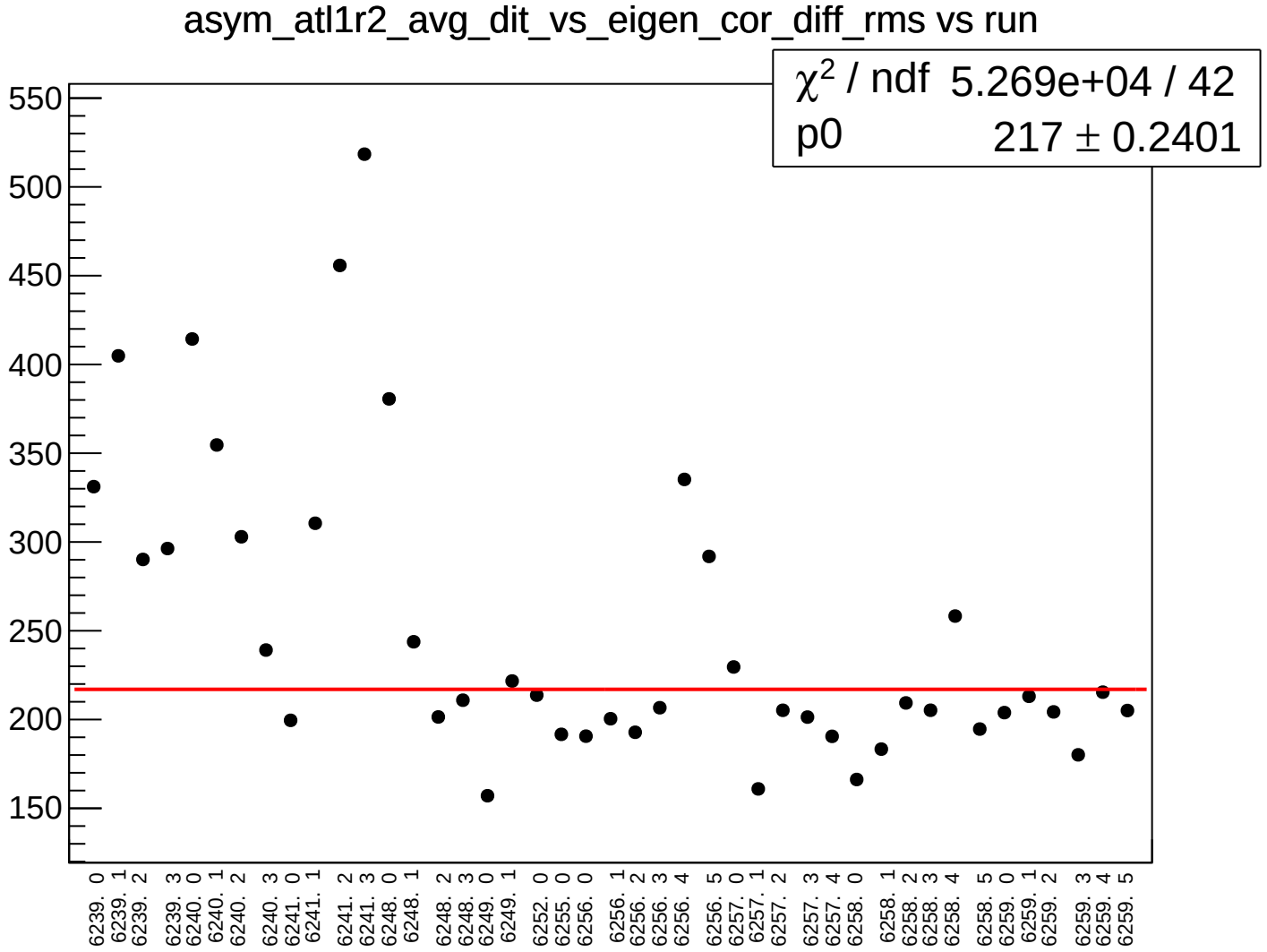

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.16 / 42
p0 0.3928 ± 0.3396
pull
Entries 43
Mean −129.4
Std Dev 0

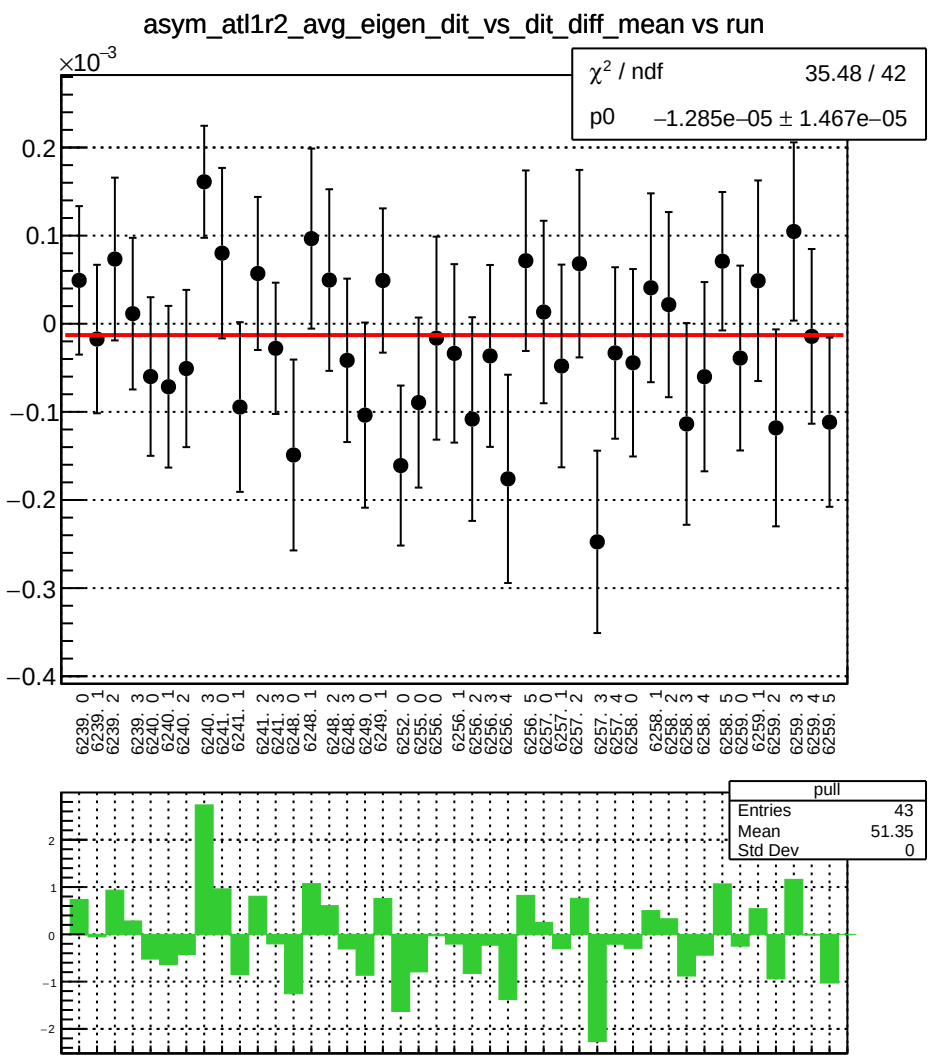

pull1D
Entries 43
Mean 0.01421
Std Dev 0.9295

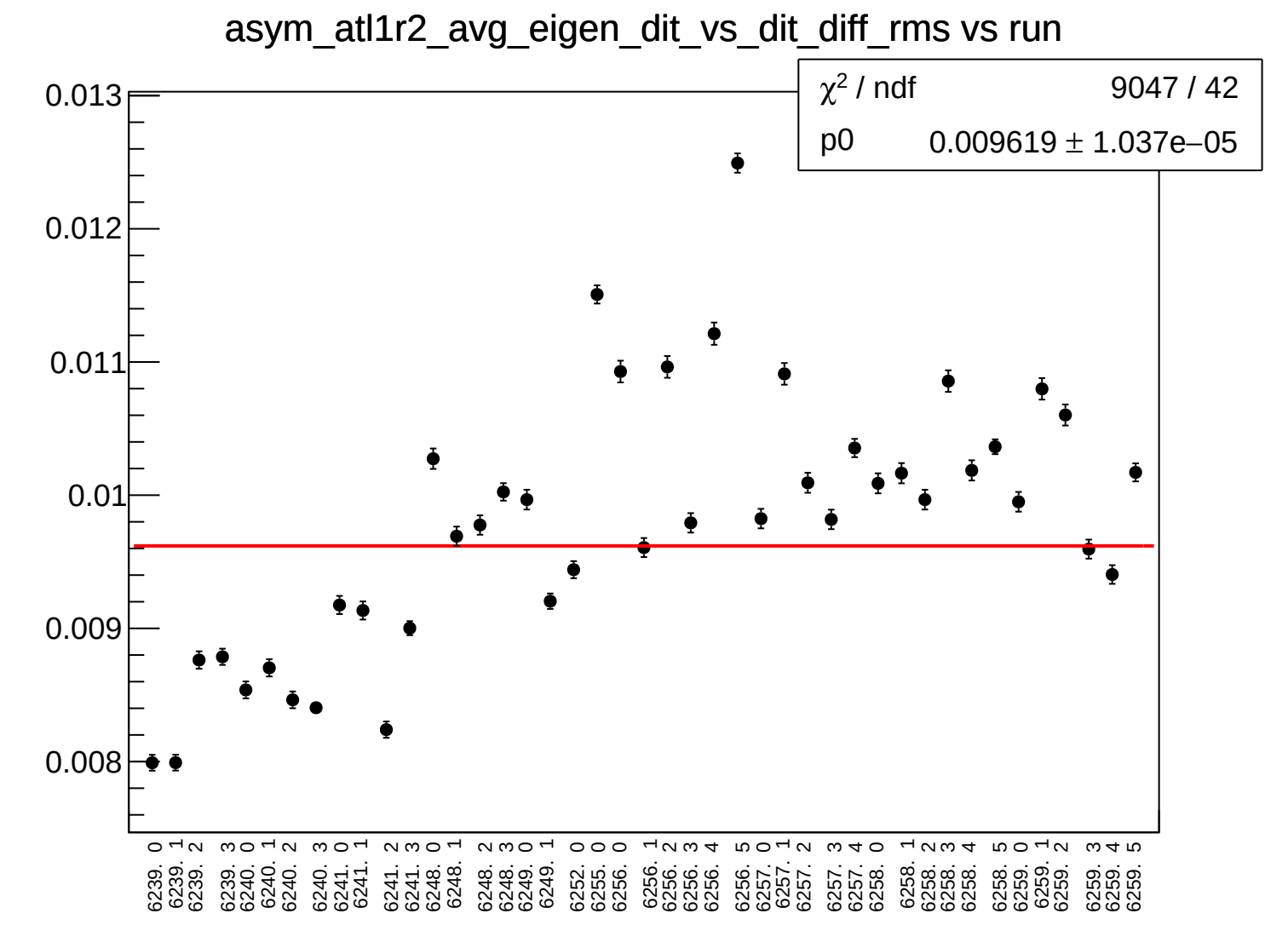

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 5.269e+04 / 42
p0 217 ± 0.2401
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.16 / 42
p0 0.3928 ± 0.3396
pull
Entries 43
Mean −129.4
Std Dev 0

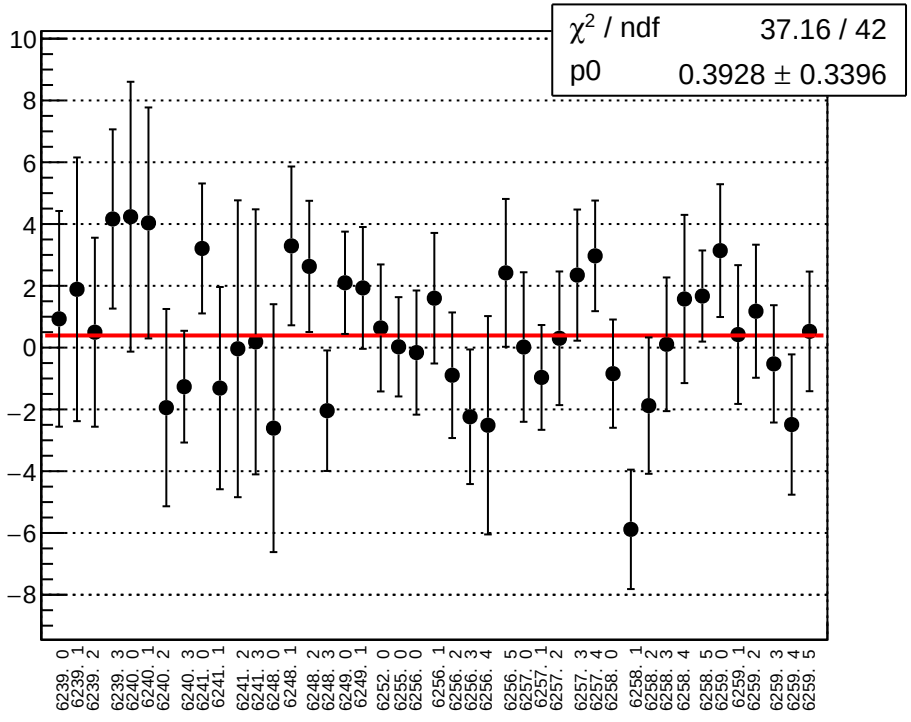

pull1D
Entries 43
Mean 0.01421
Std Dev 0.9295

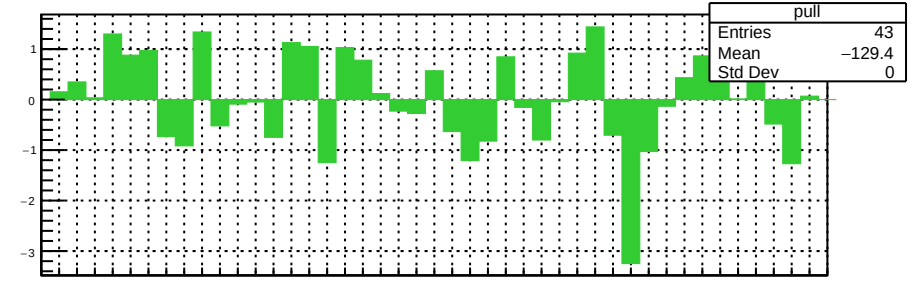

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.269e+04 / 42
p0 217 ± 0.2401
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

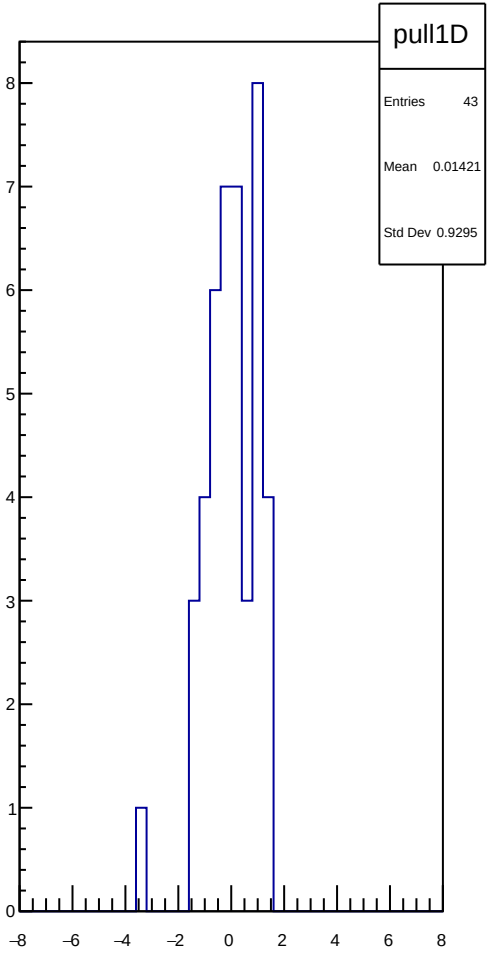

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.48 / 42
p0 −1.285e−05 ± 1.467e−05
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.35
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05853
Std Dev 0.9064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

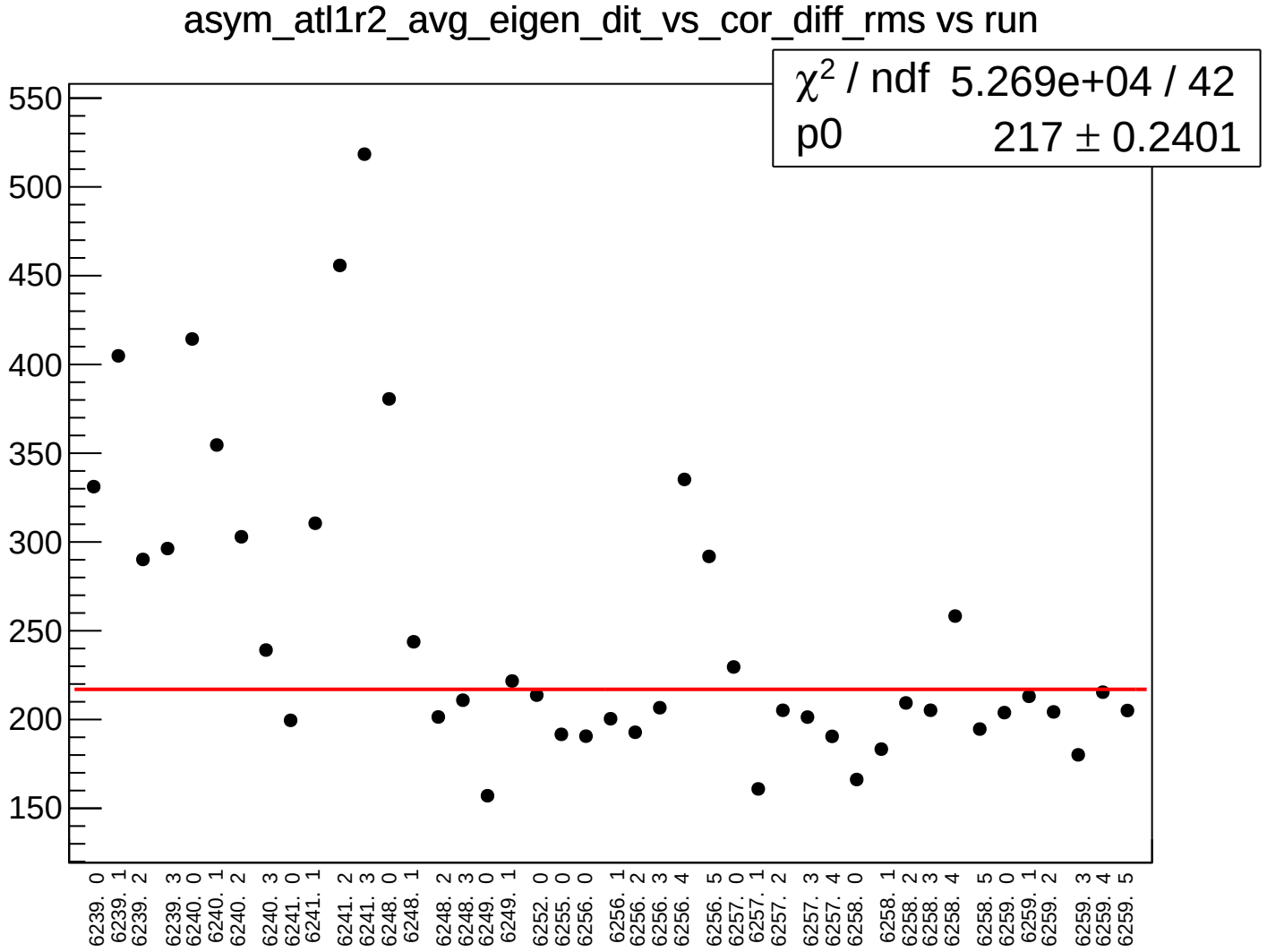

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9047 / 42
p0 0.009619 ± 1.037e−05
0.013
0.012
0.011
0.01
0.009
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

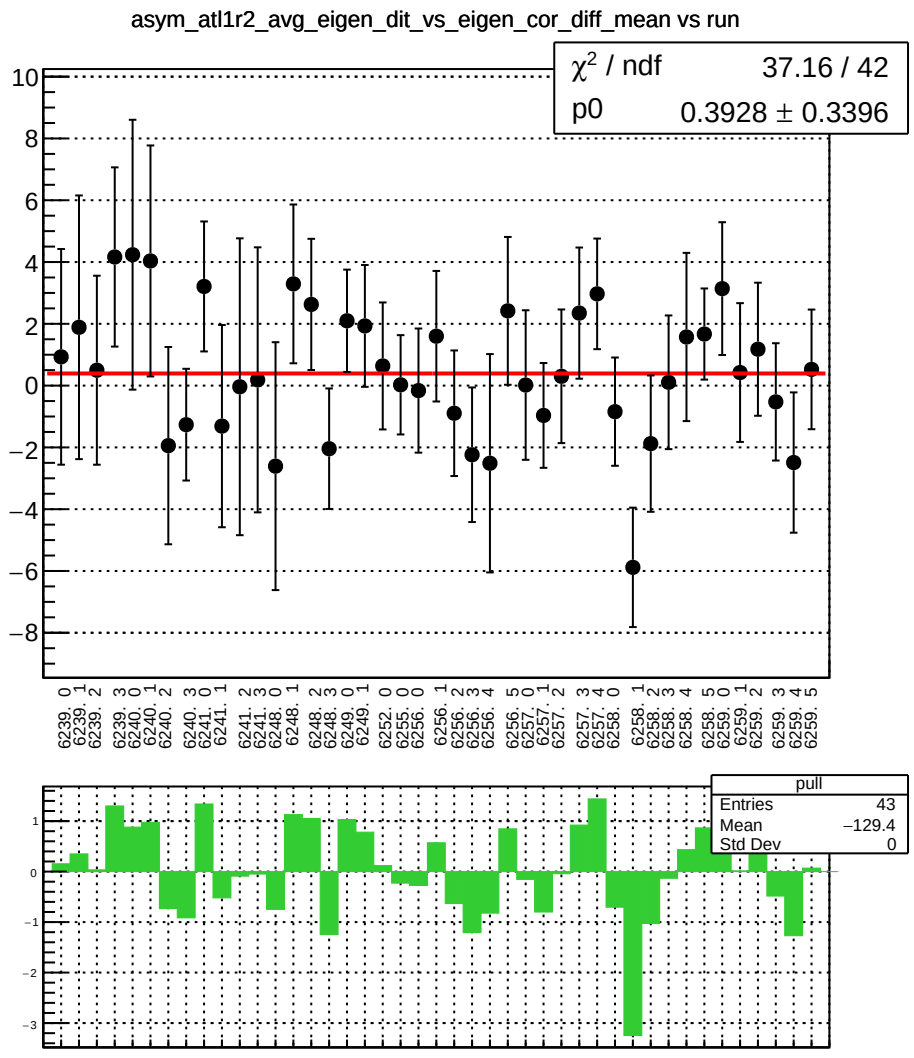
asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run

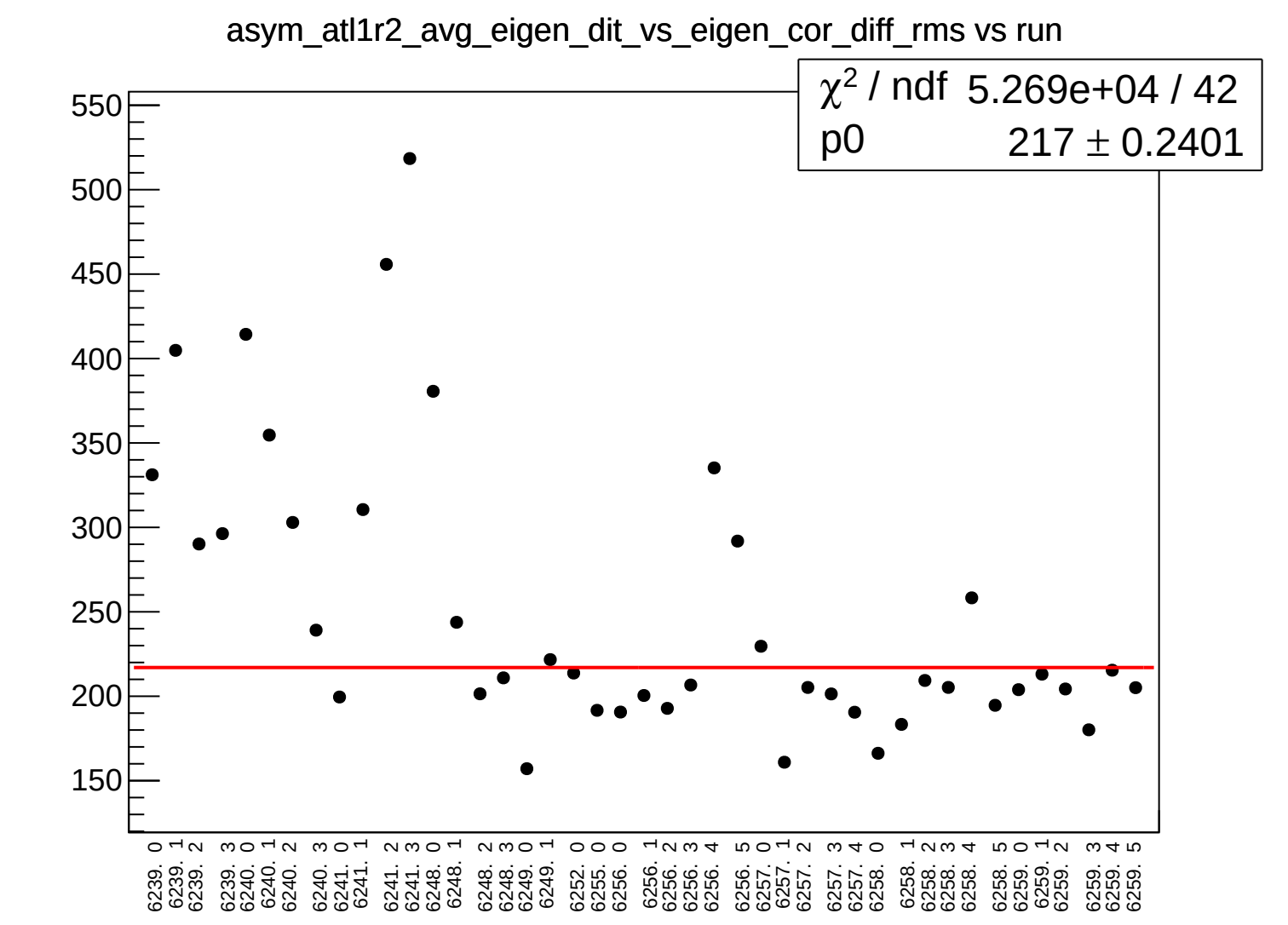


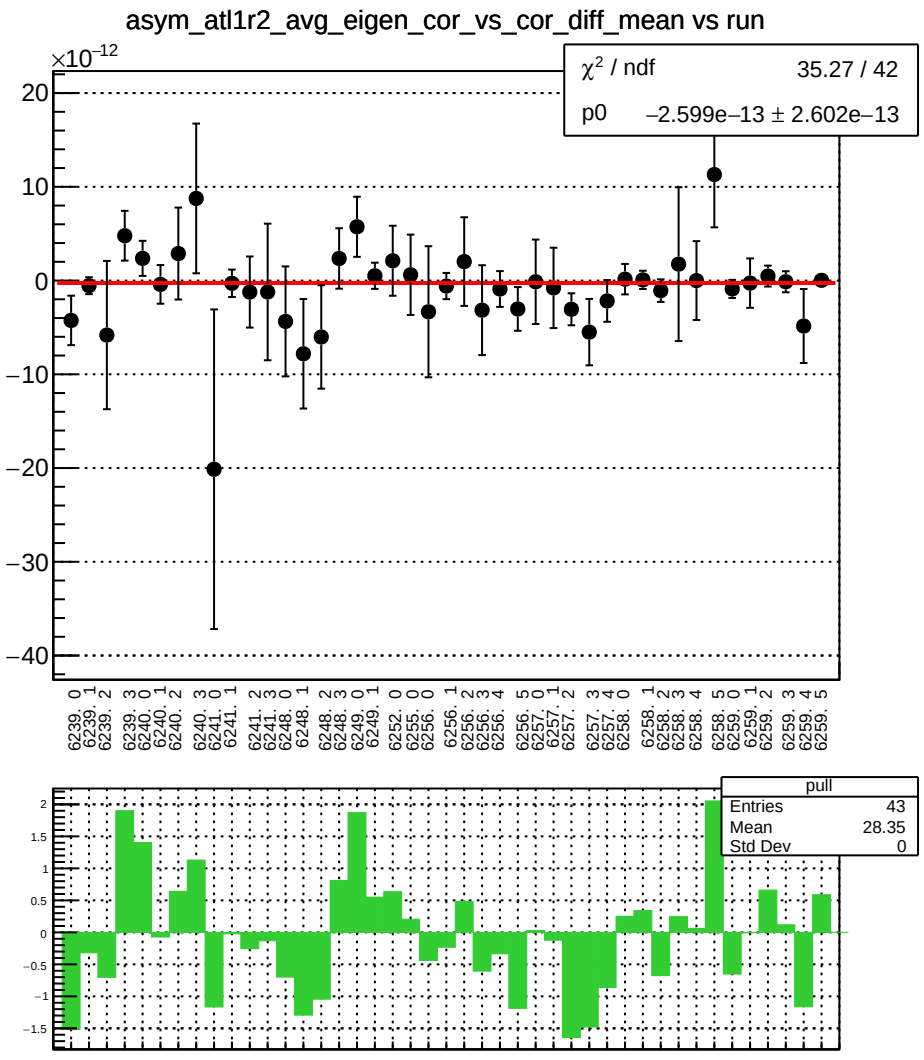



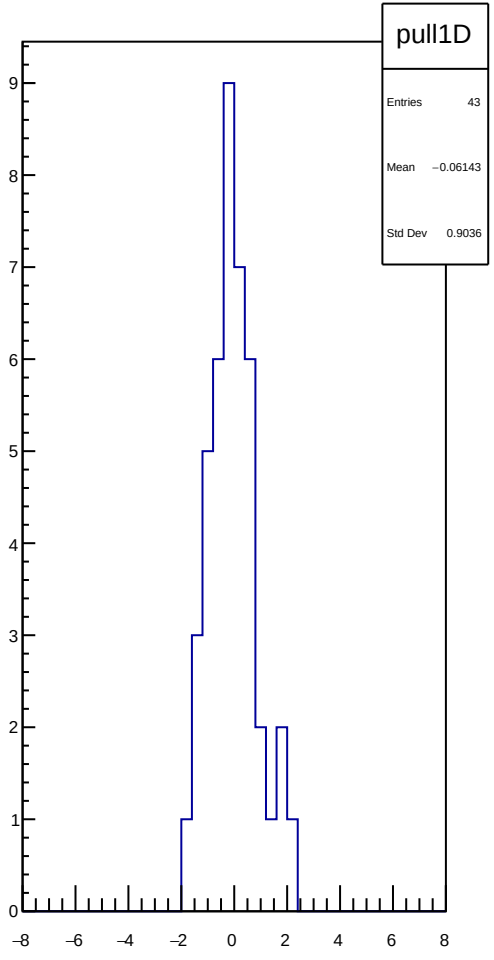



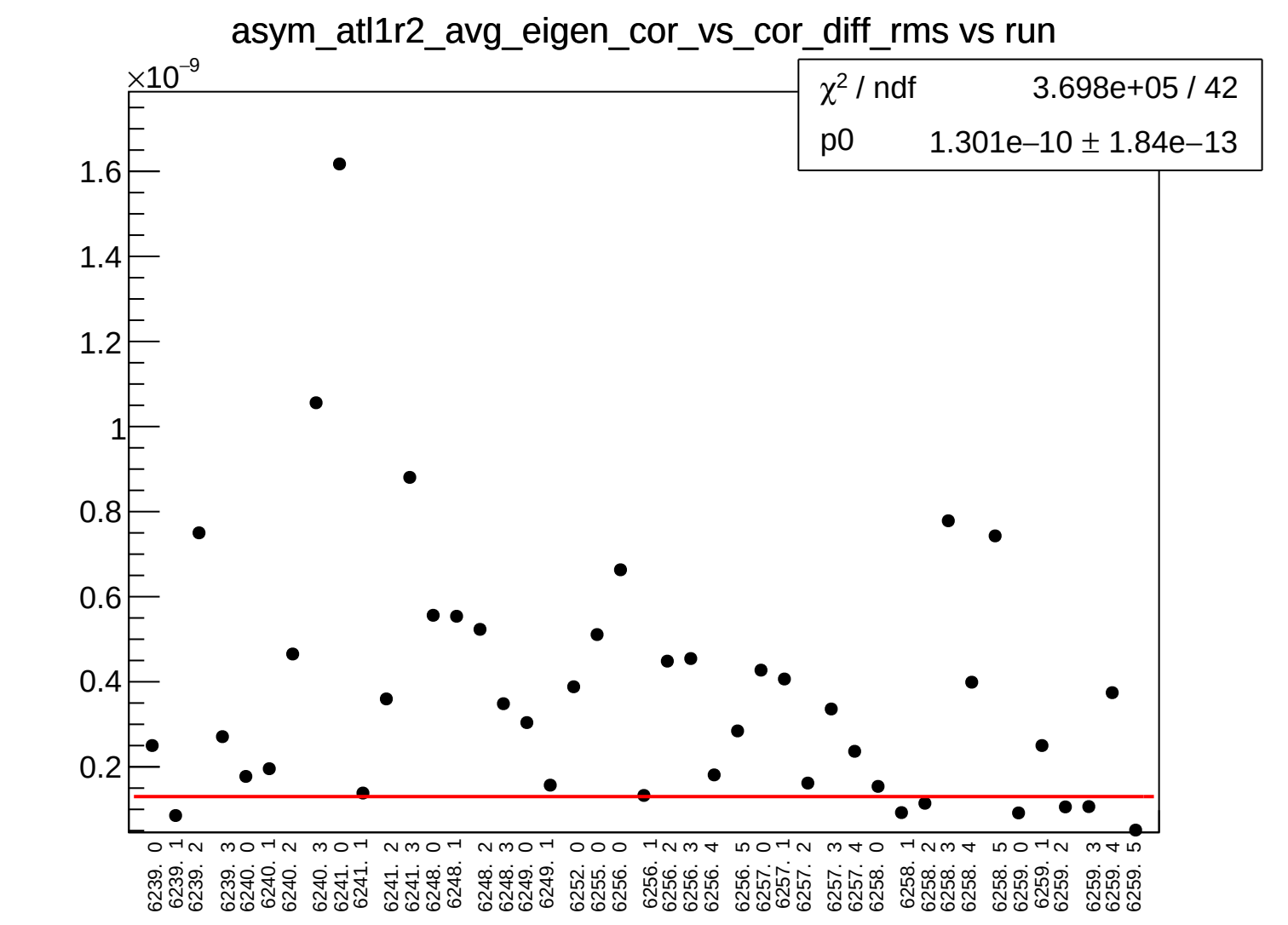

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.269e+04 / 42
p0 217 ± 0.2401
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

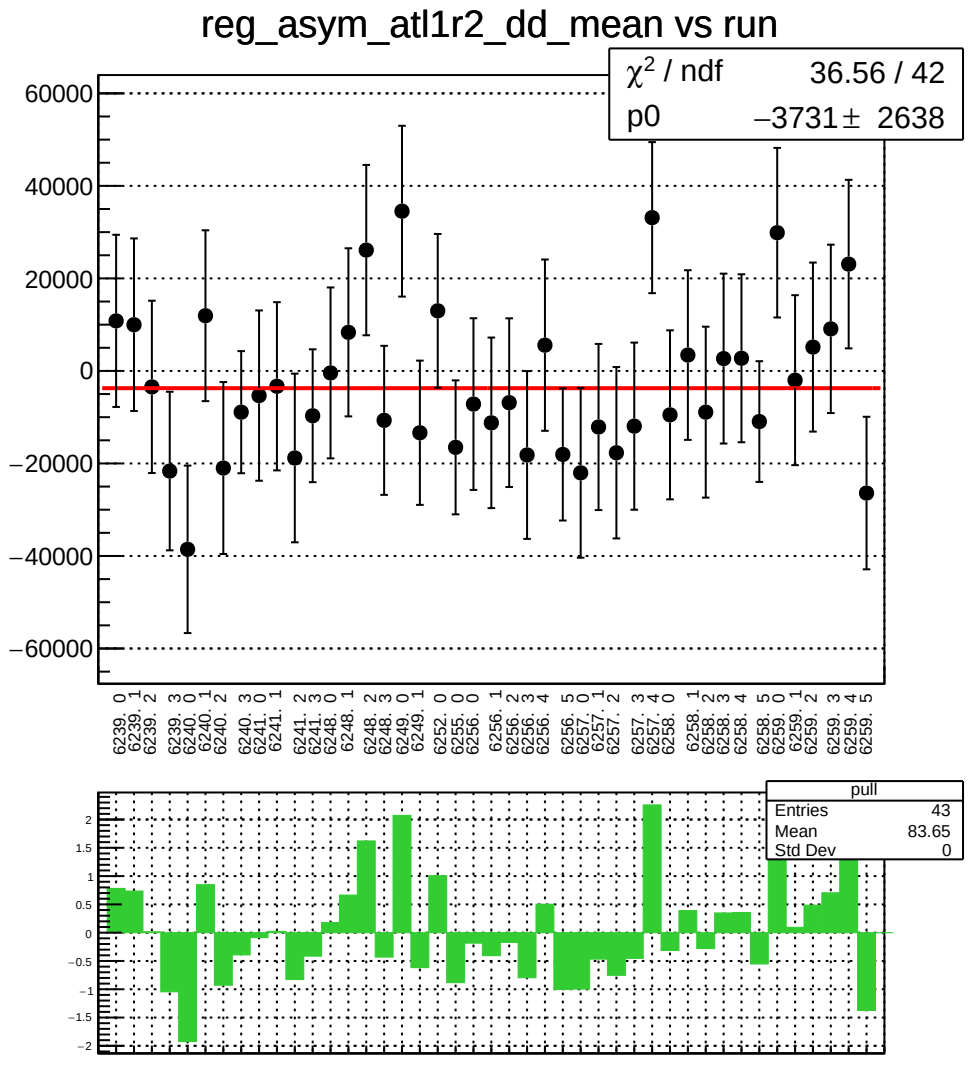

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.16 / 42
p0 0.3928 ± 0.3396
pull
Entries 43
Mean −129.4
Std Dev 0
pull1D
Entries 43
Mean 0.01421
Std Dev 0.9295


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.269e+04 / 42
p0 217 ± 0.2401
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 35.27 / 42
p0 −2.599e−13 ± 2.602e−13
pull
Entries 43
Mean 28.35
Std Dev 0


pull1D
Entries 43
Mean −0.06143
Std Dev 0.9036


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.698e+05 / 42
p0 1.301e−10 ± 1.84e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_atl1r2_dd_mean vs run
χ² / ndf 36.56 / 42
p0 −3731 ± 2638
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02524
Std Dev 0.9217
9
8
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5
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3
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1
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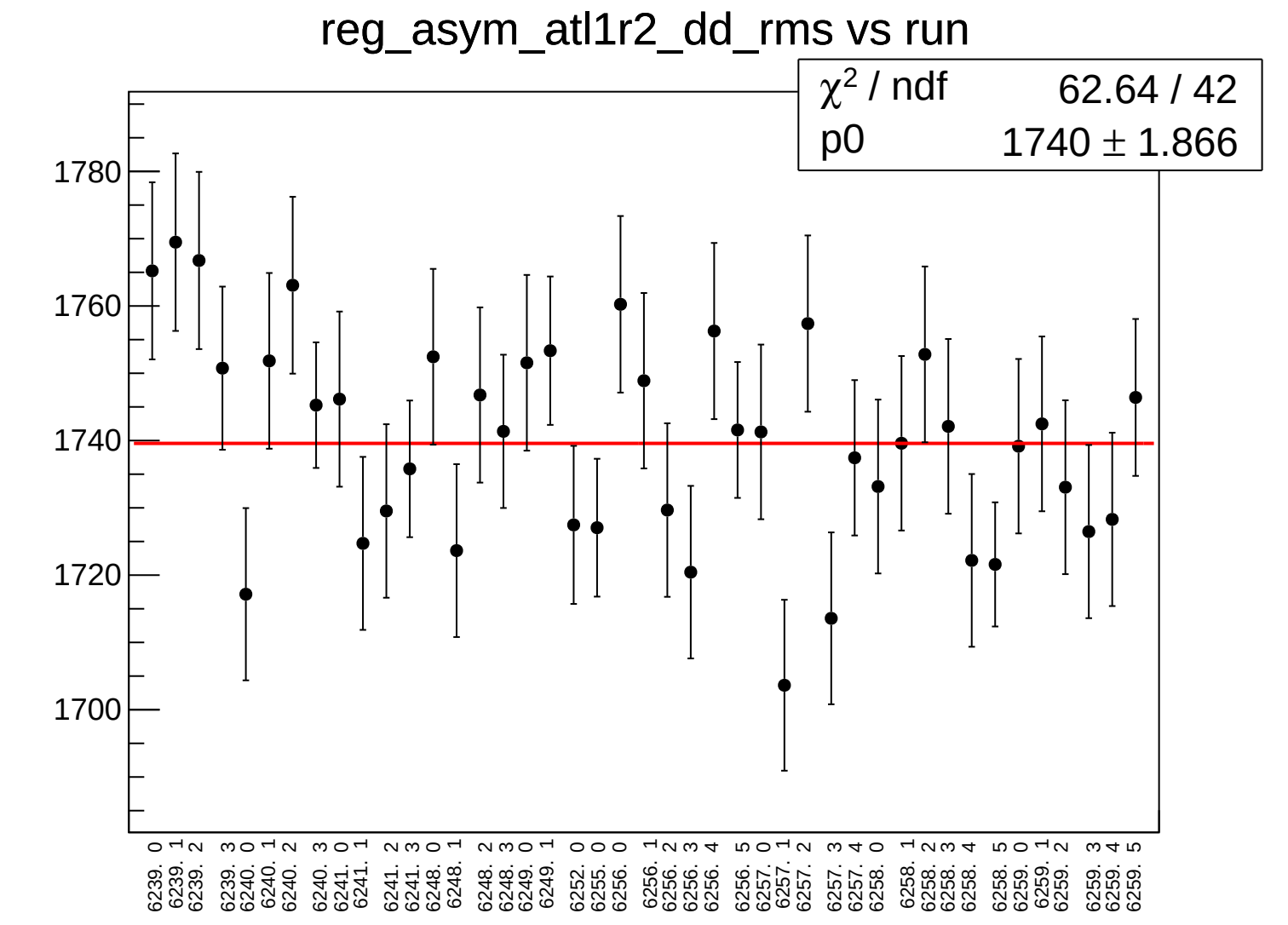
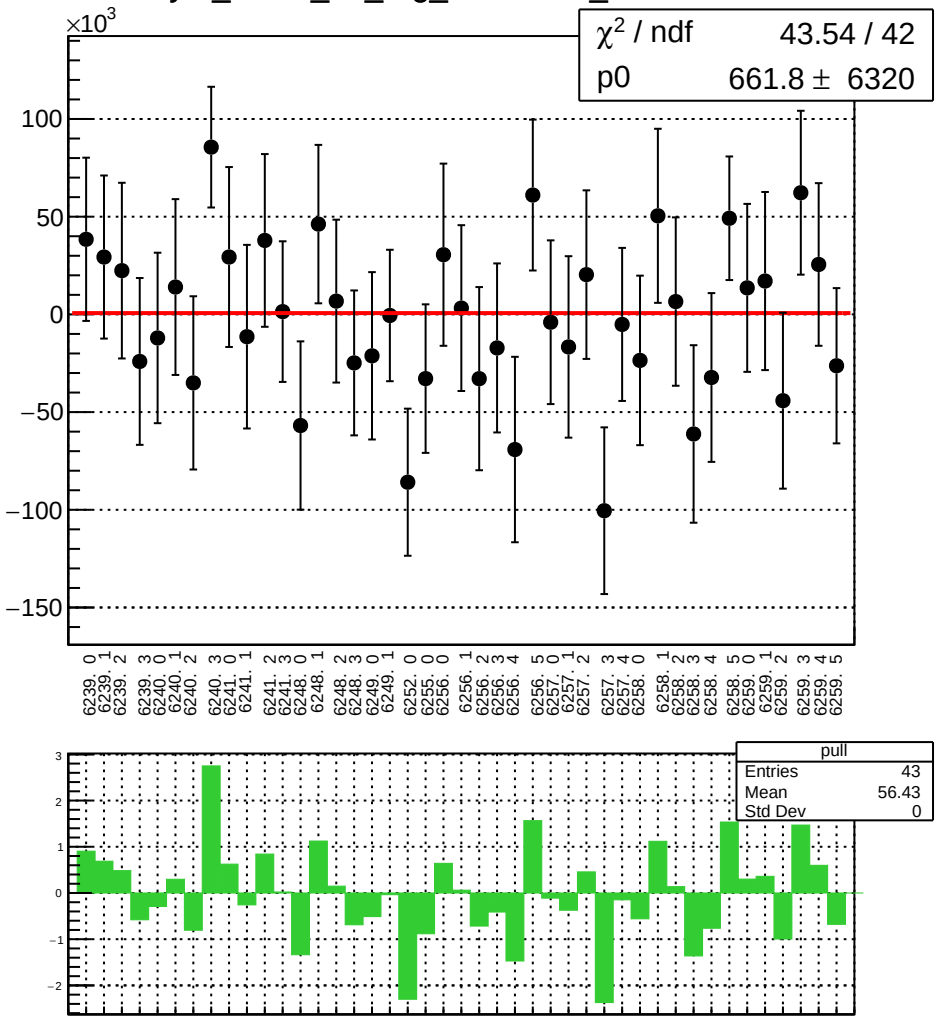
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 62.64 / 42
p0 1740 ± 1.866
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 43.54 / 42
p0 661.8 ± 6320
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 56.43
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03547
Std Dev 1.006
8
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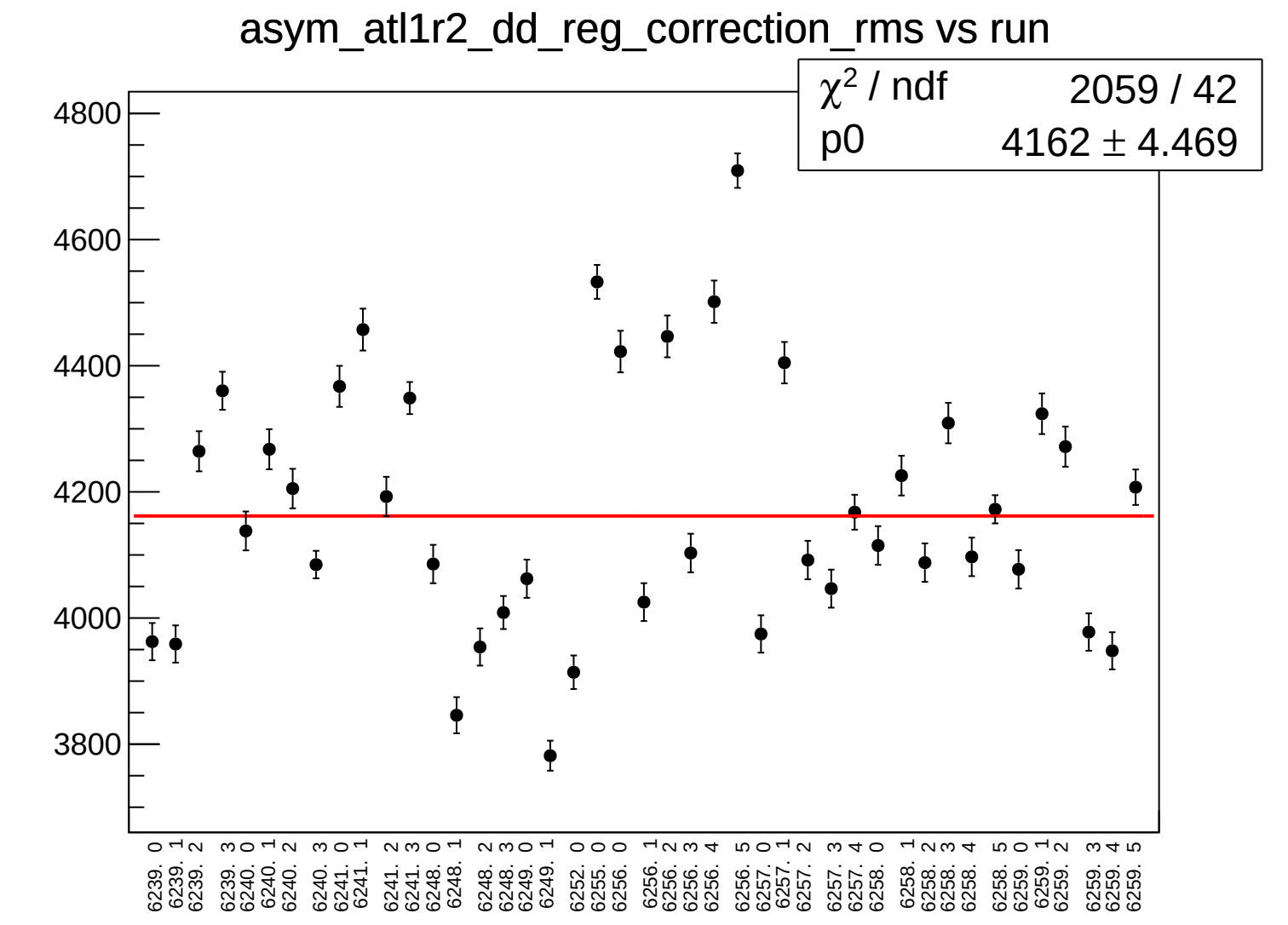
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2059 / 42
p0 4162 ± 4.469
4800
4600
4400
4200
4000
3800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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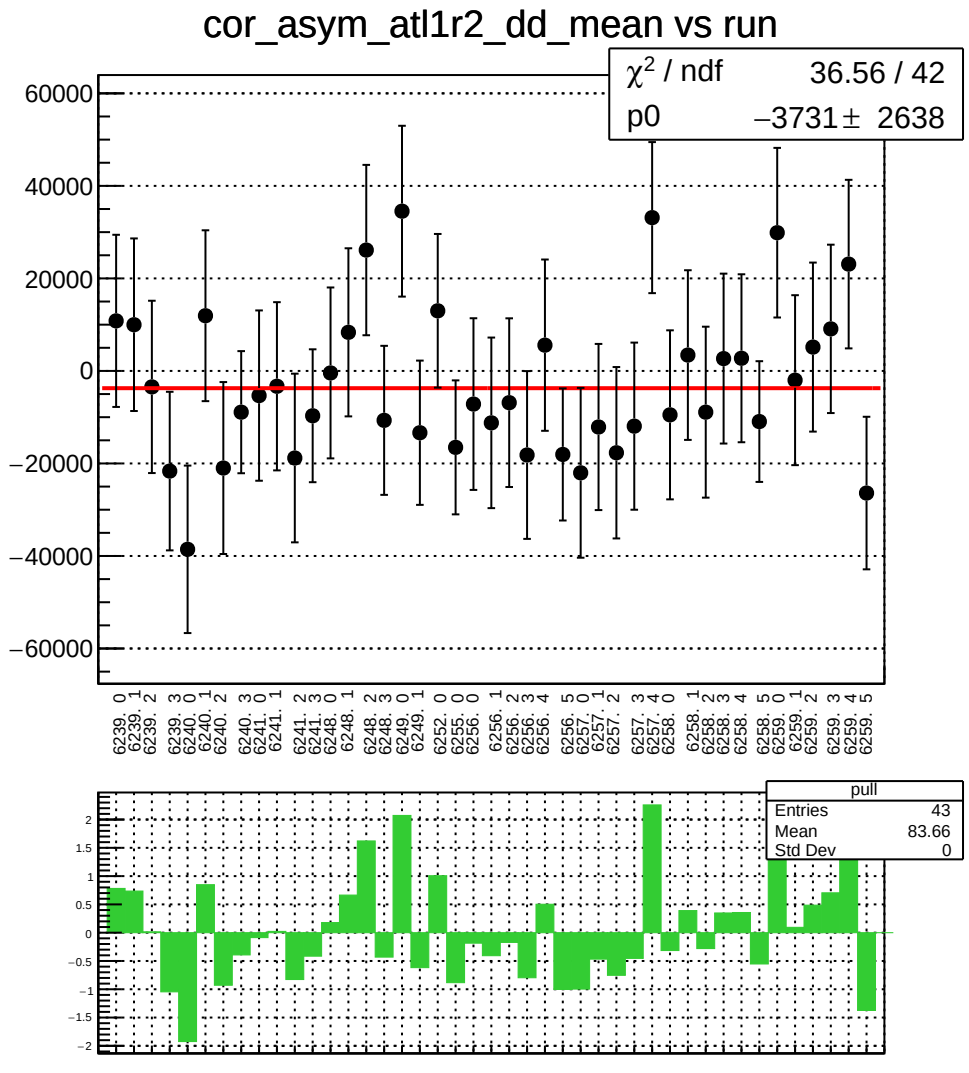
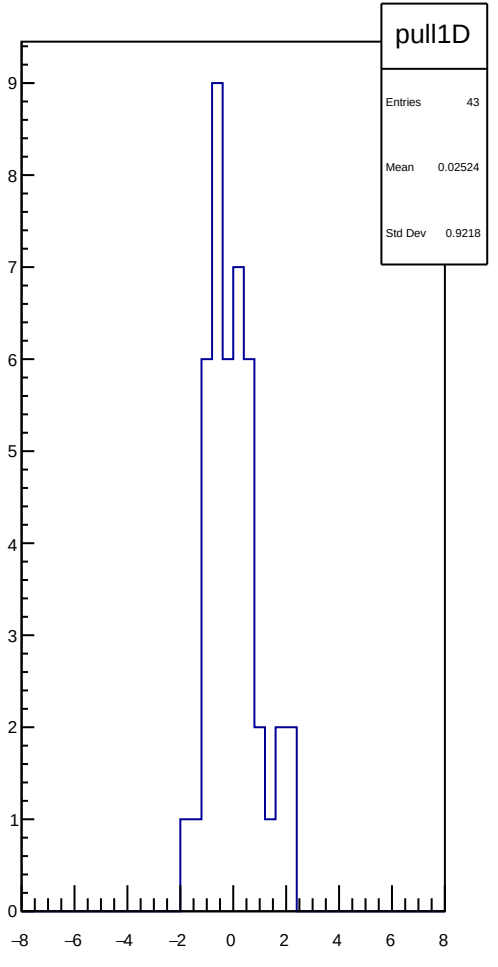
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_atl1r2_dd_mean vs run
χ² / ndf 36.56 / 42
p0 −3731 ± 2638
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02524
Std Dev 0.9218
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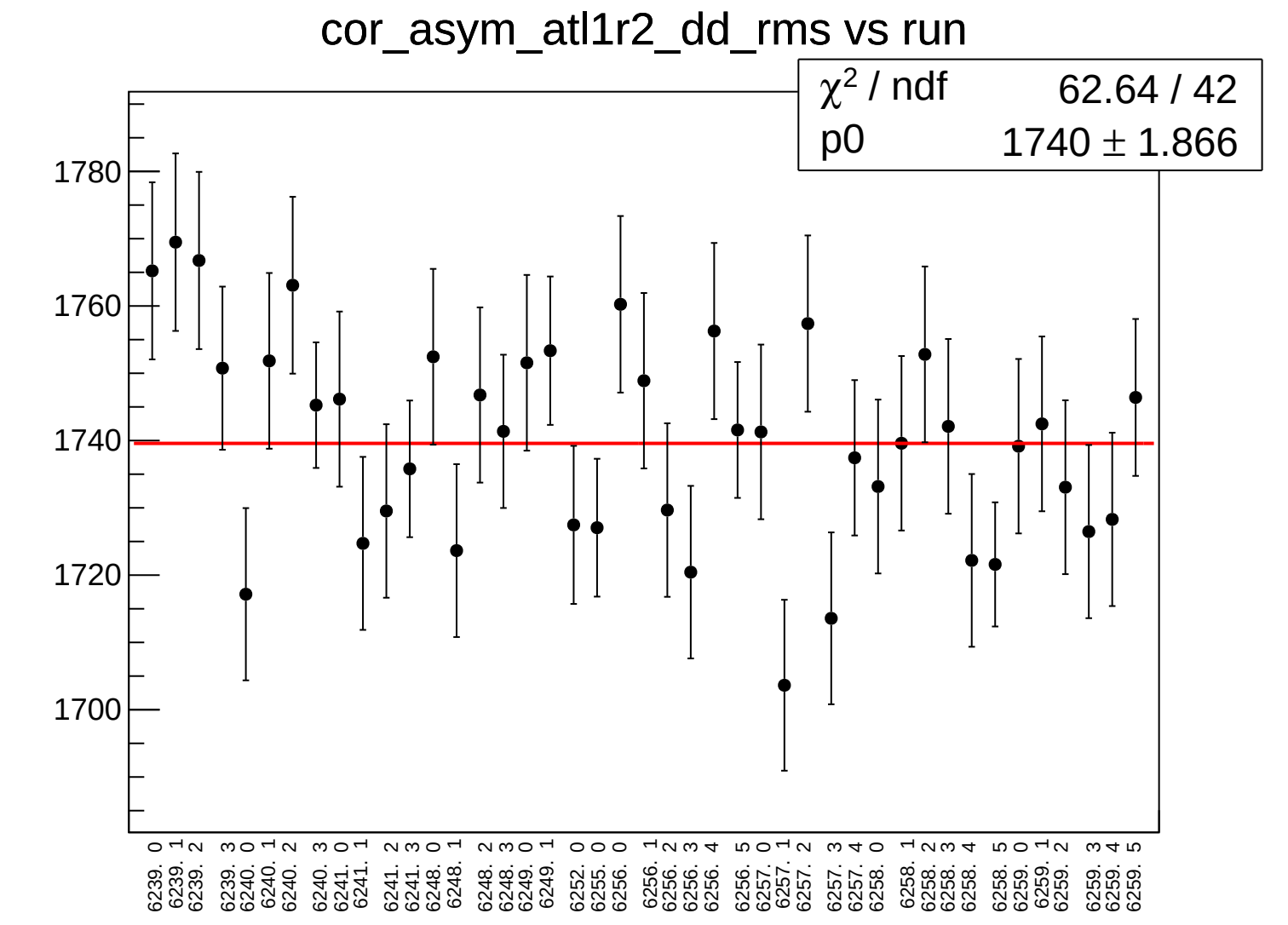
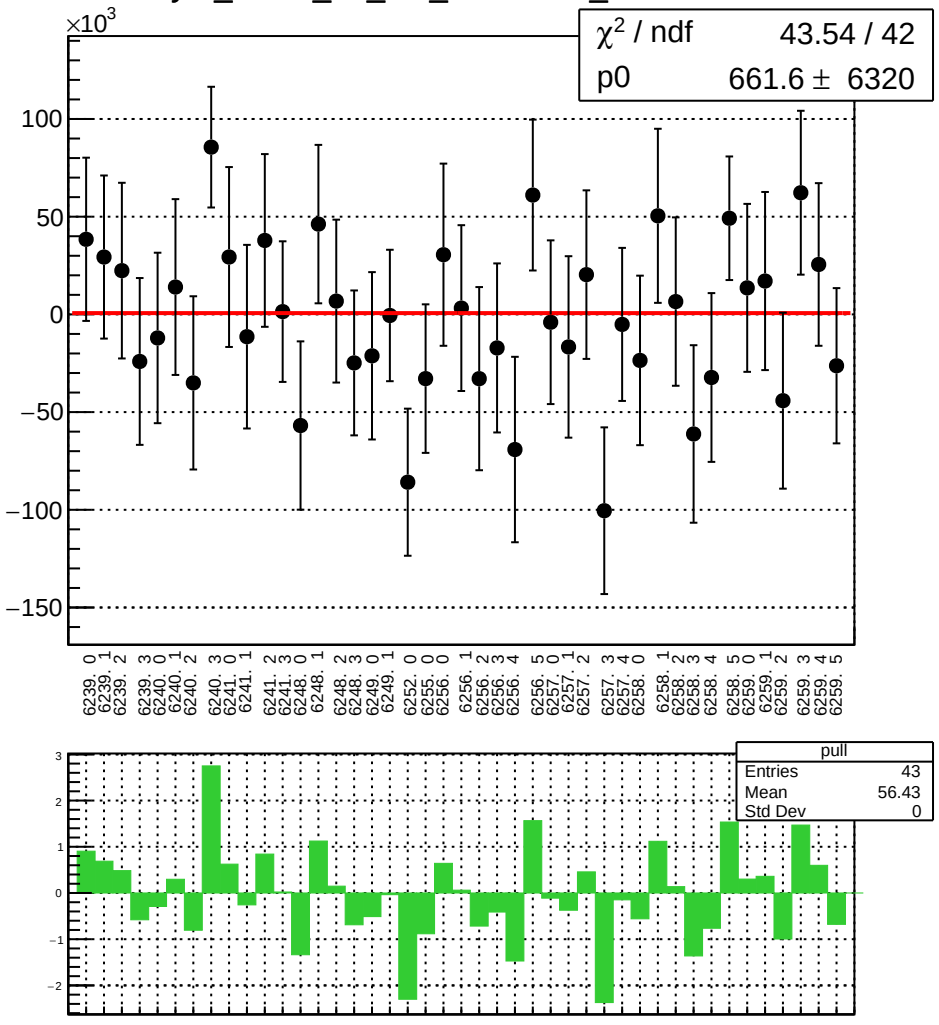
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 62.64 / 42
p0 1740 ± 1.866
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 43.54 / 42
p0 661.6 ± 6320
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 56.43
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03547
Std Dev 1.006
8
7
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5
4
3
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1
0
−8
−6
−4
−2
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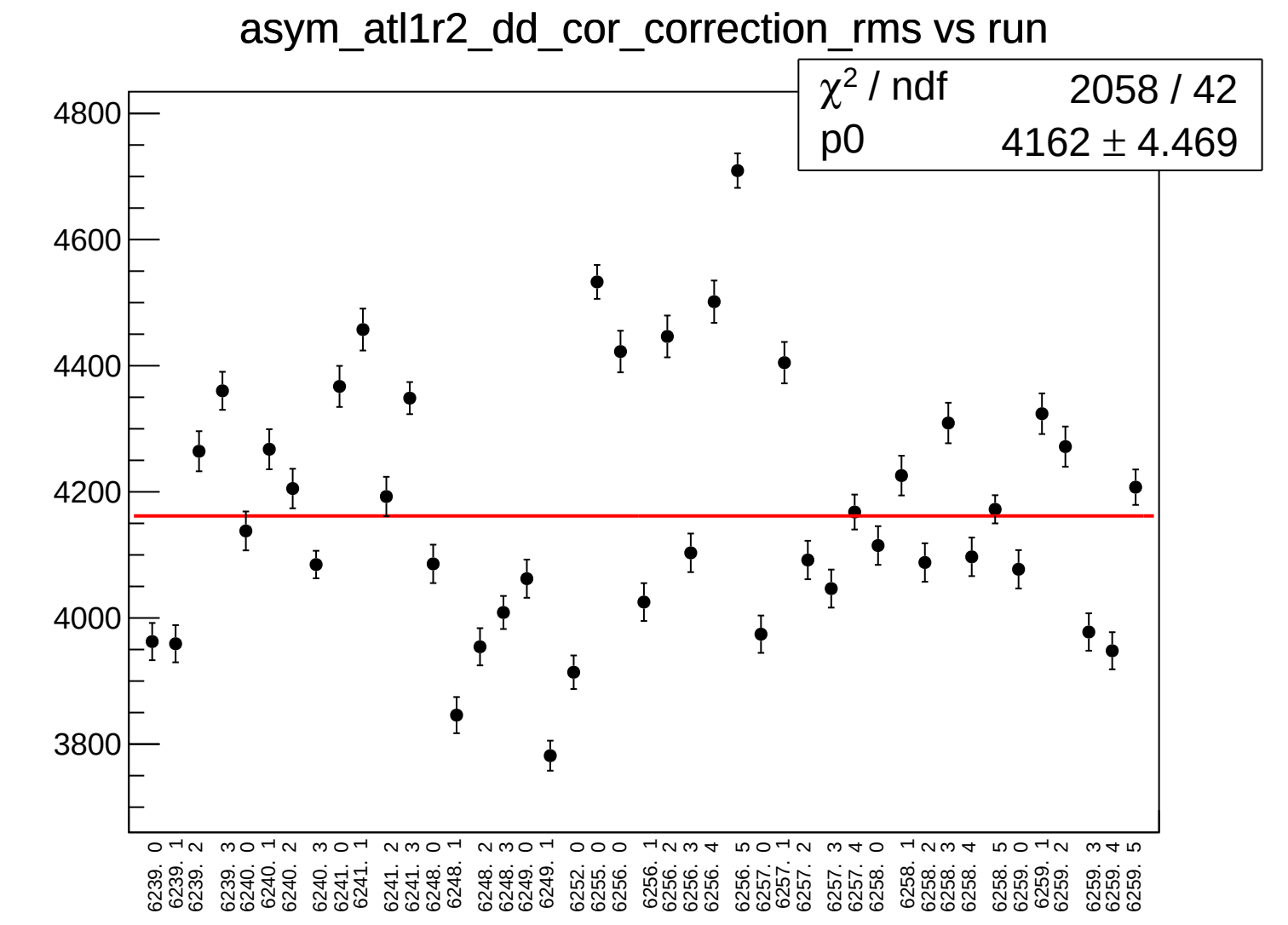
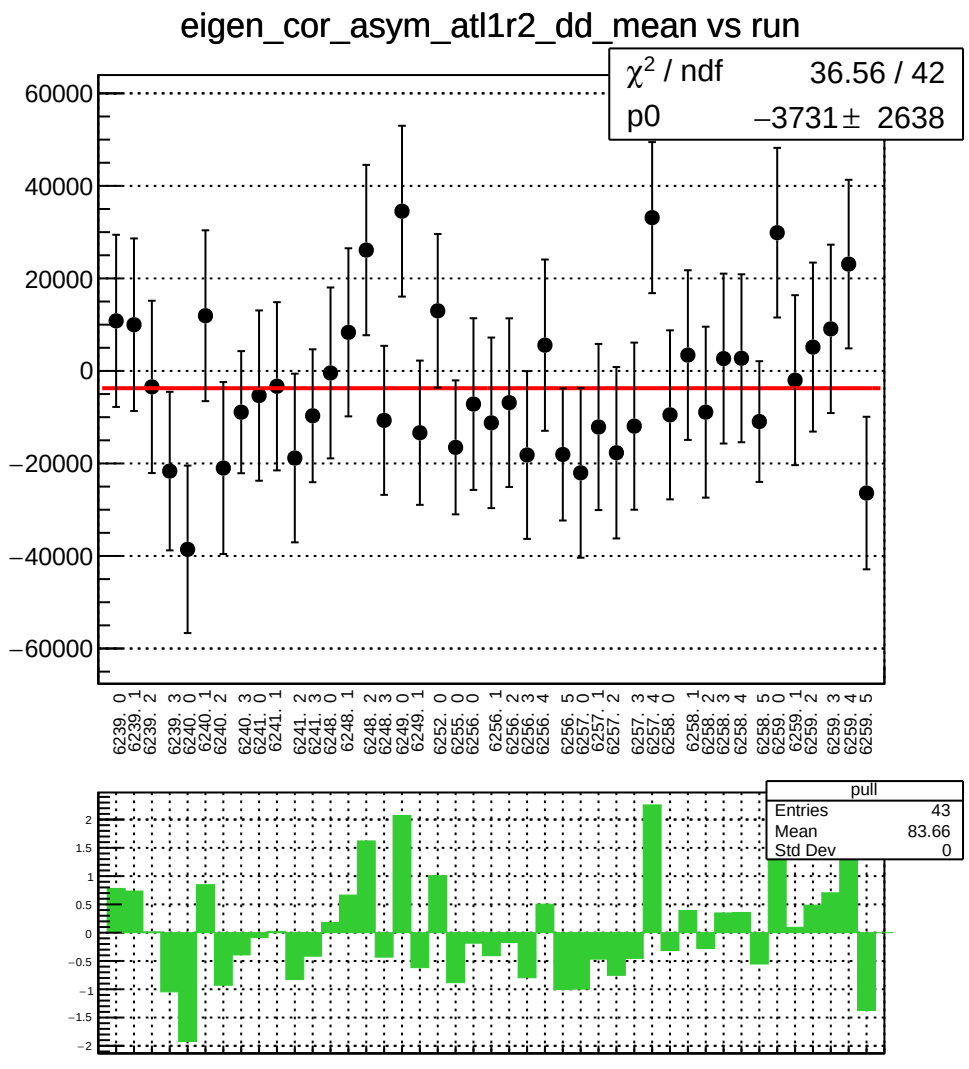
2
4
6
8


asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2058 / 42
p0 4162 ± 4.469
4800
4600
4400
4200
4000
3800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 36.56 / 42
p0 −3731 ± 2638
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02524
Std Dev 0.9218
9
8
7
6
5
4
3
2
1
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−4
−2
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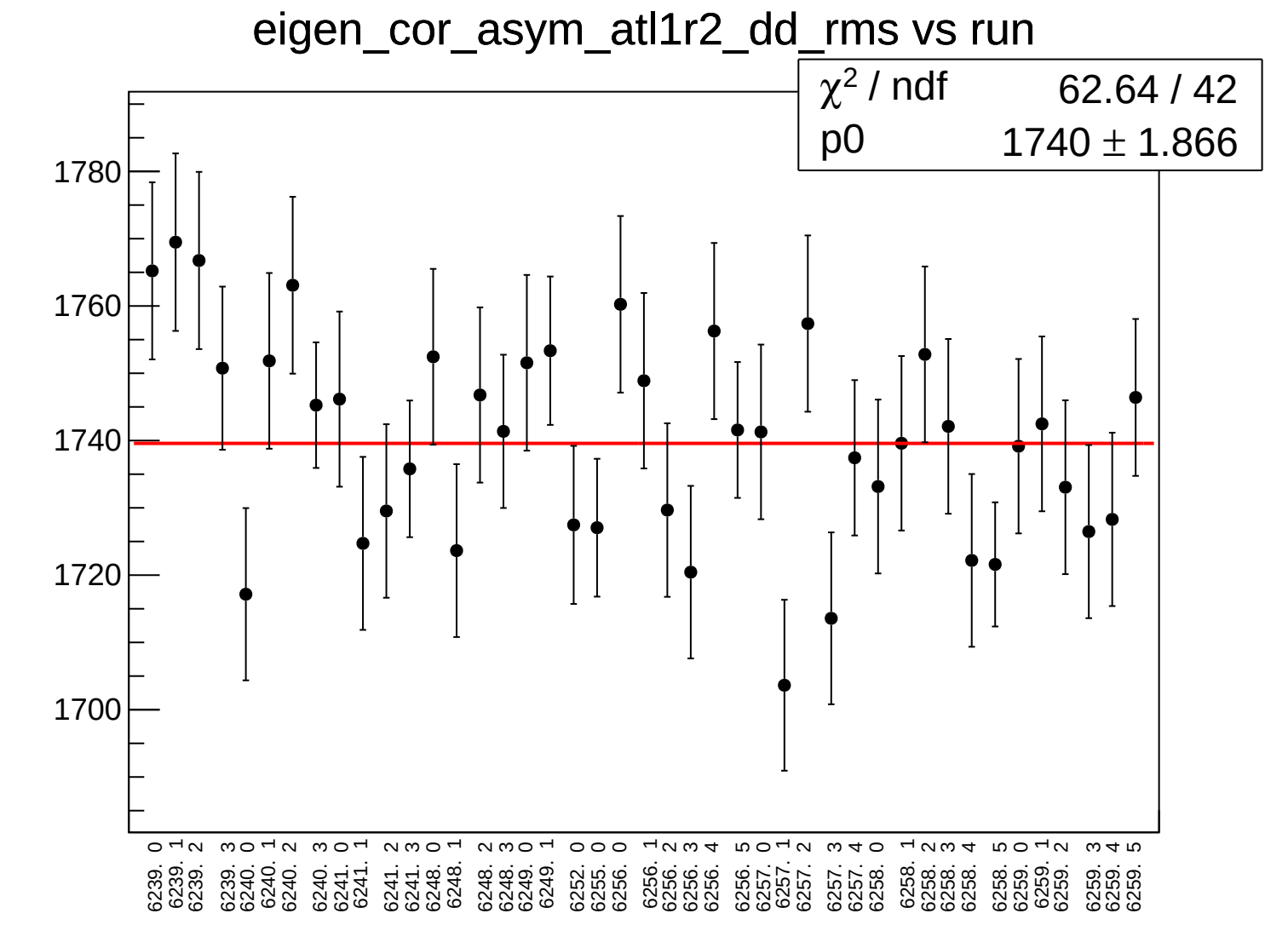
2
4
6
8


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 62.64 / 42
p0 1740 ± 1.866
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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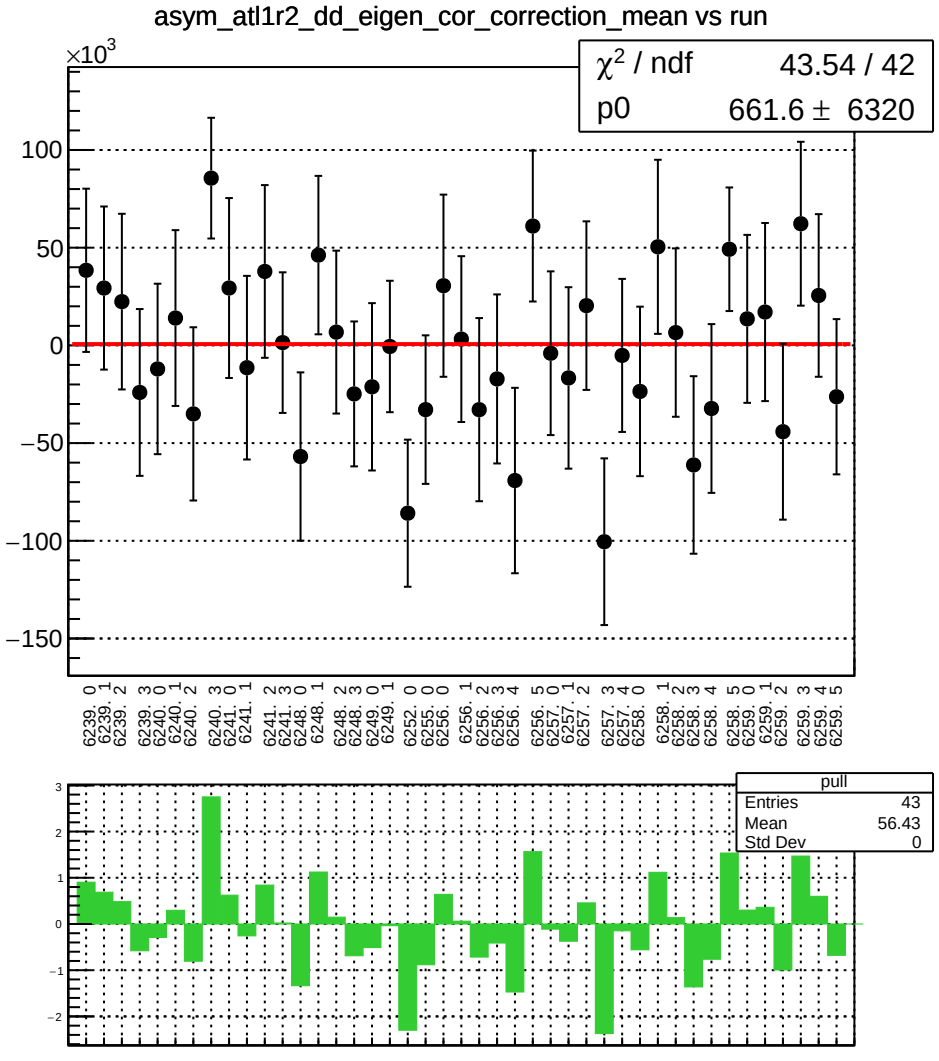
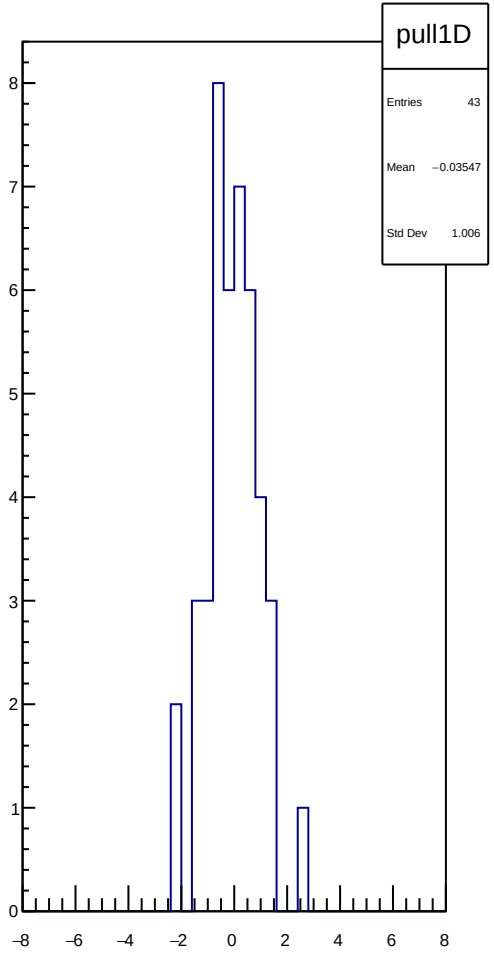
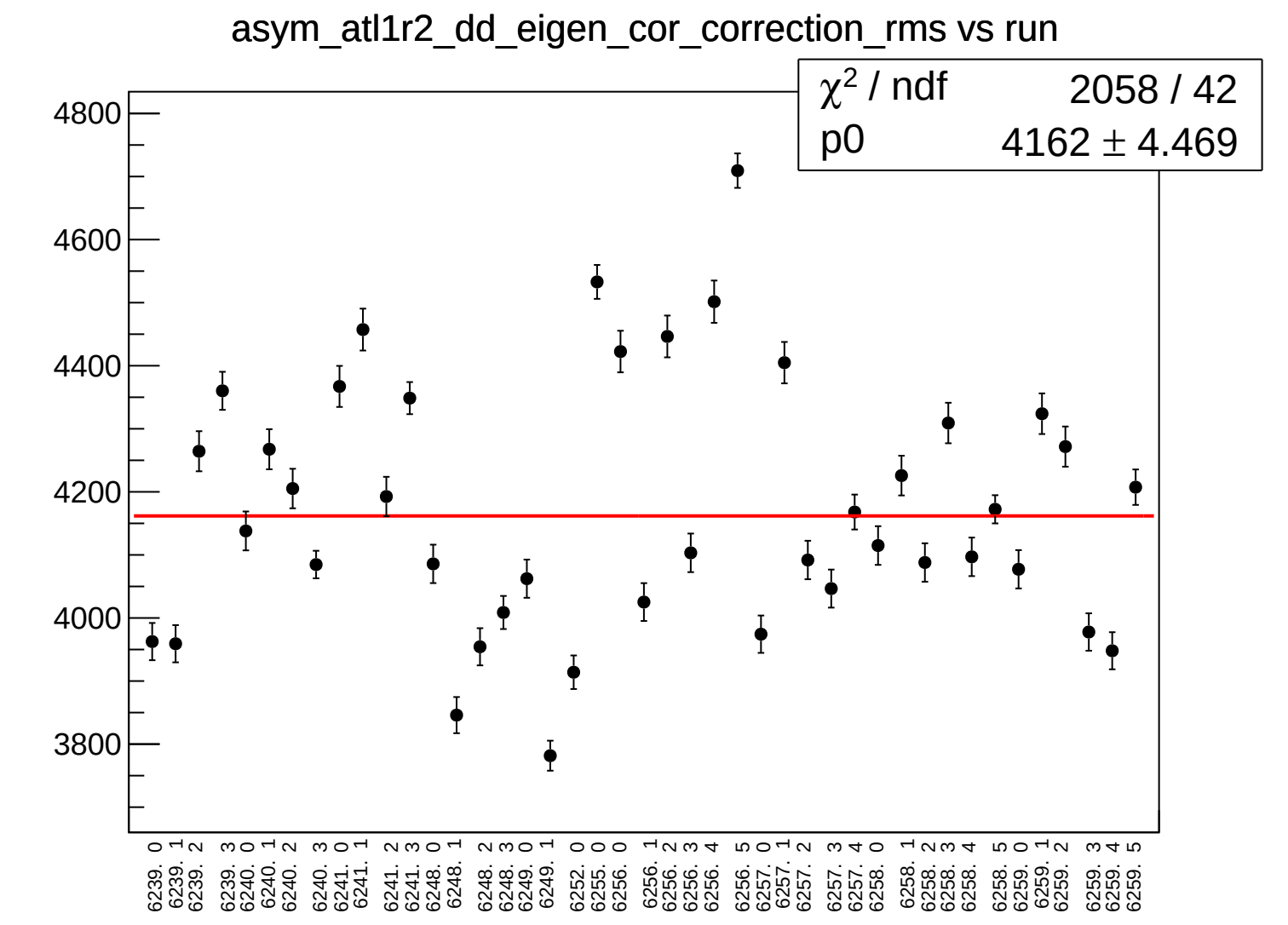
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 43.54 / 42
p0 661.6 ± 6320
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 56.43
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03547
Std Dev 1.006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2058 / 42
p0 4162 ± 4.469
4800
4600
4400
4200
4000
3800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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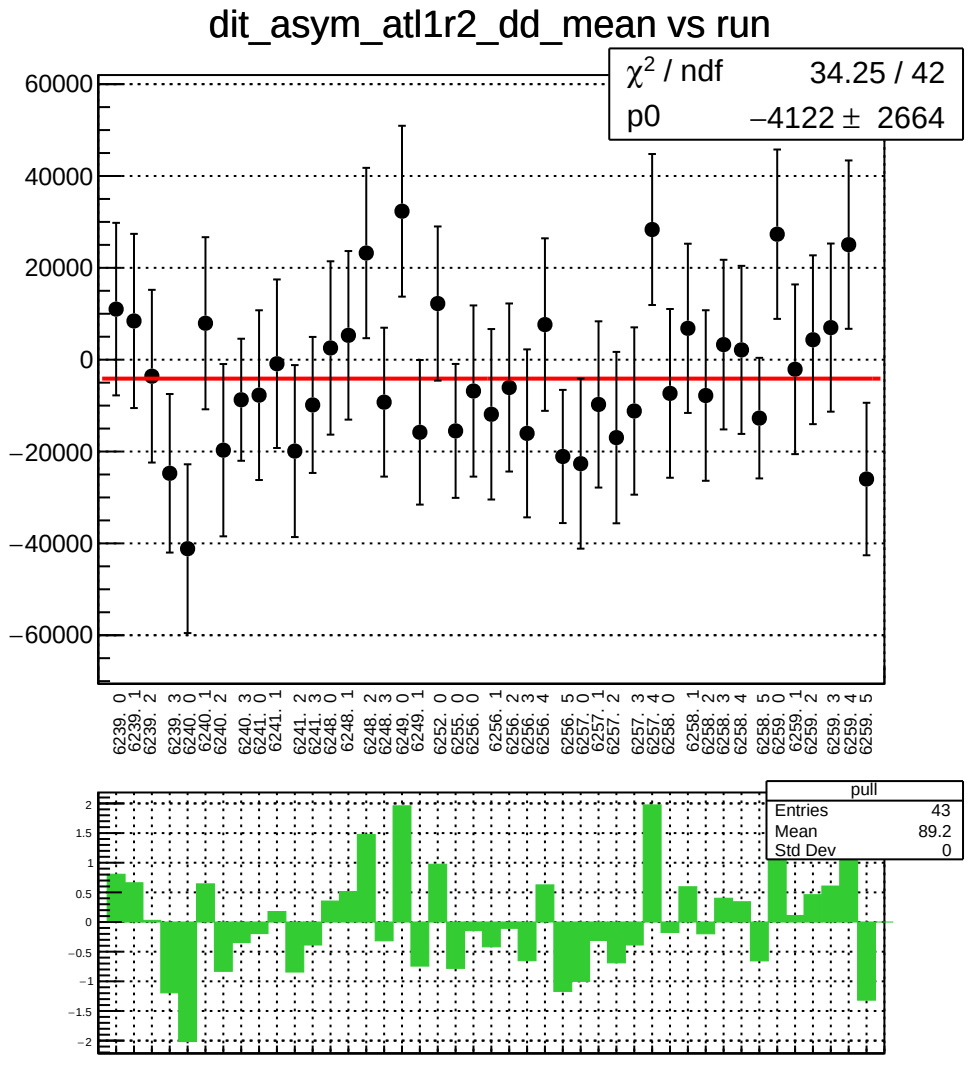
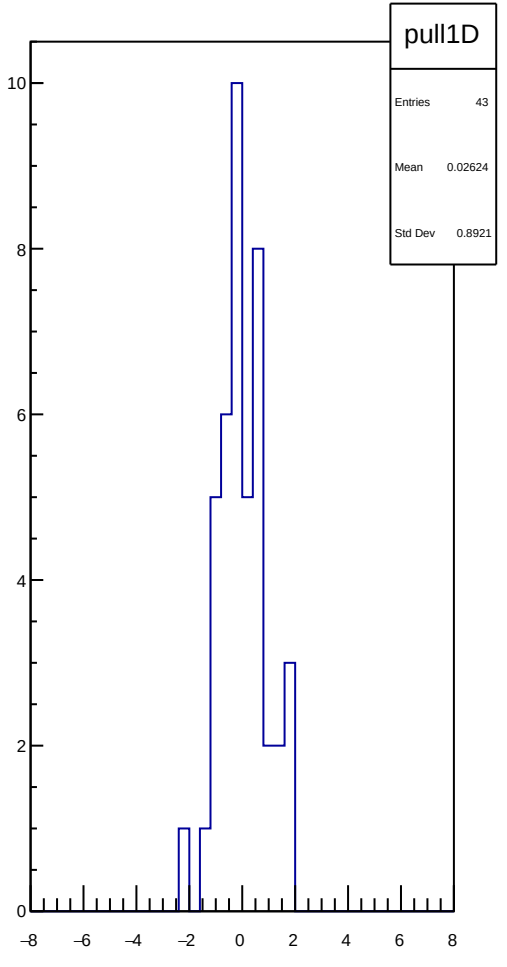
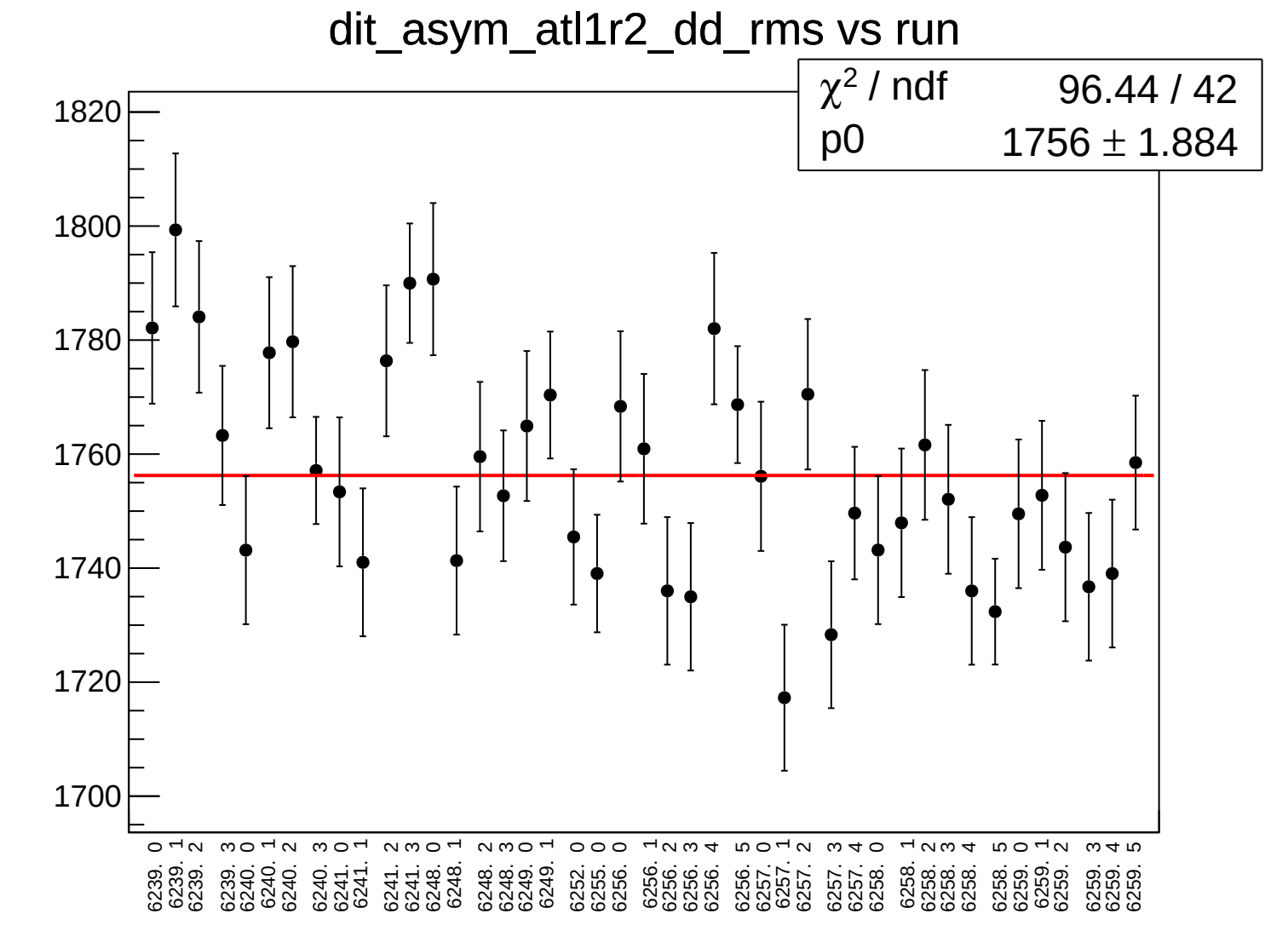
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atl1r2_dd_mean vs run
χ² / ndf 34.25 / 42
p0 −4122 ± 2664
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02624
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_rms vs run
χ² / ndf 96.44 / 42
p0 1756 ± 1.884
1820
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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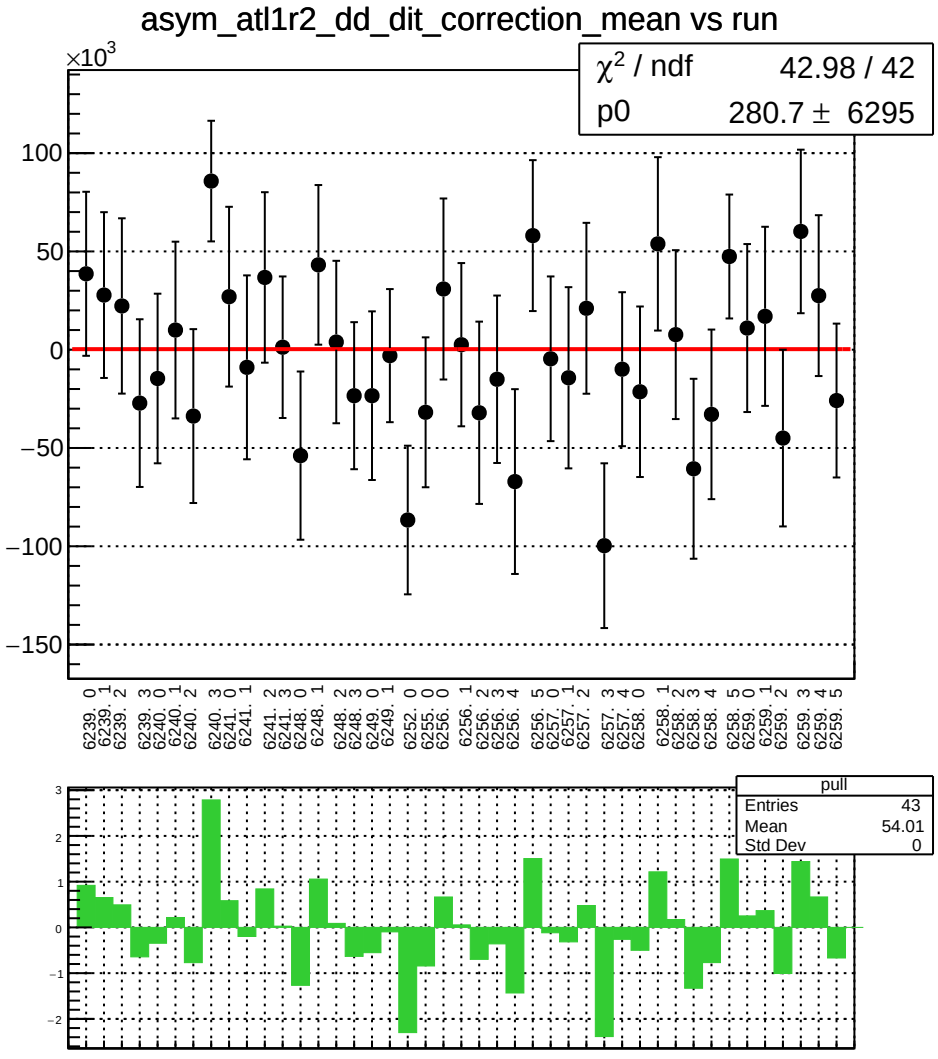
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 42.98 / 42
p0 280.7 ± 6295
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
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6255. 0
6256. 0
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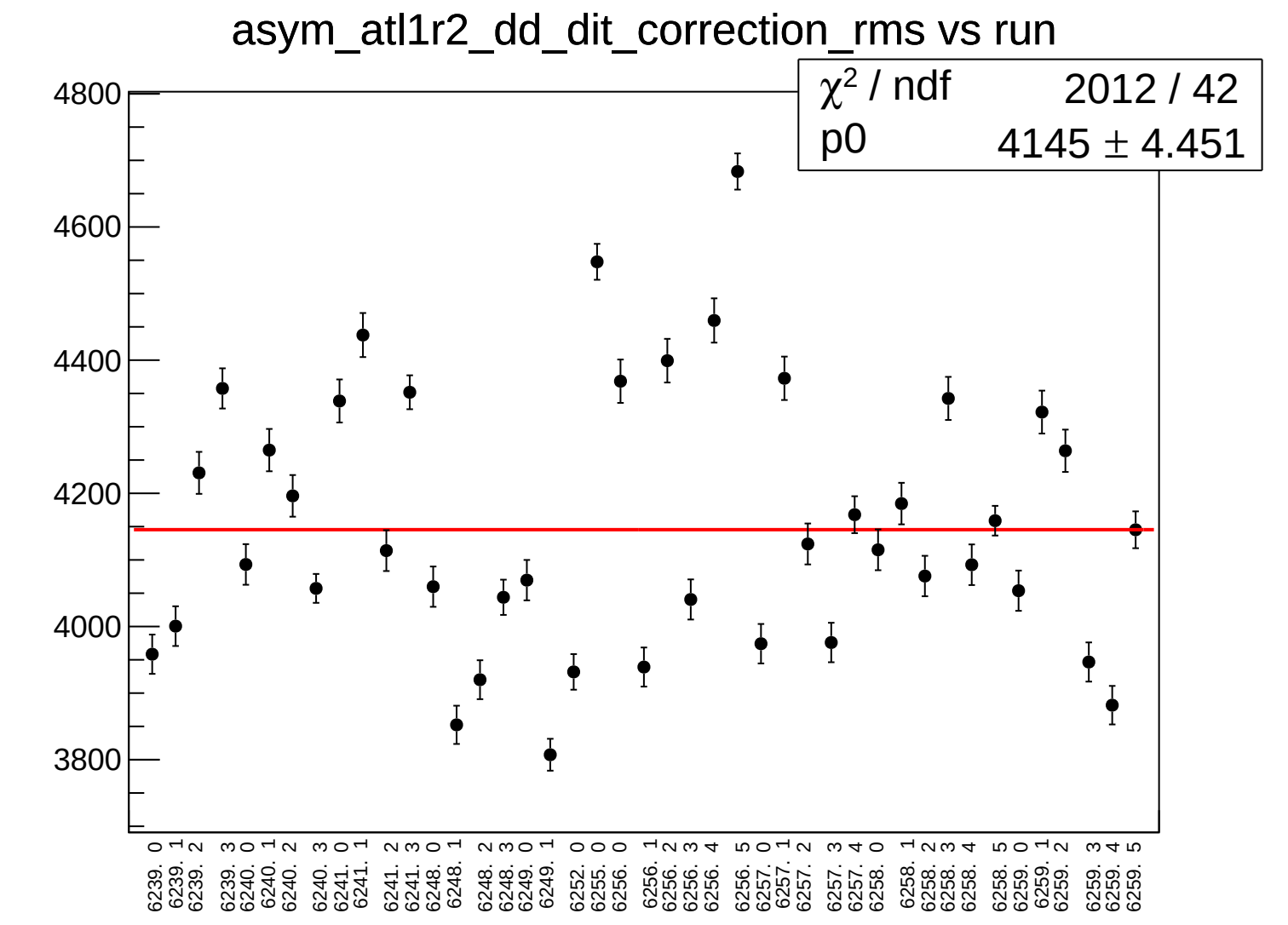
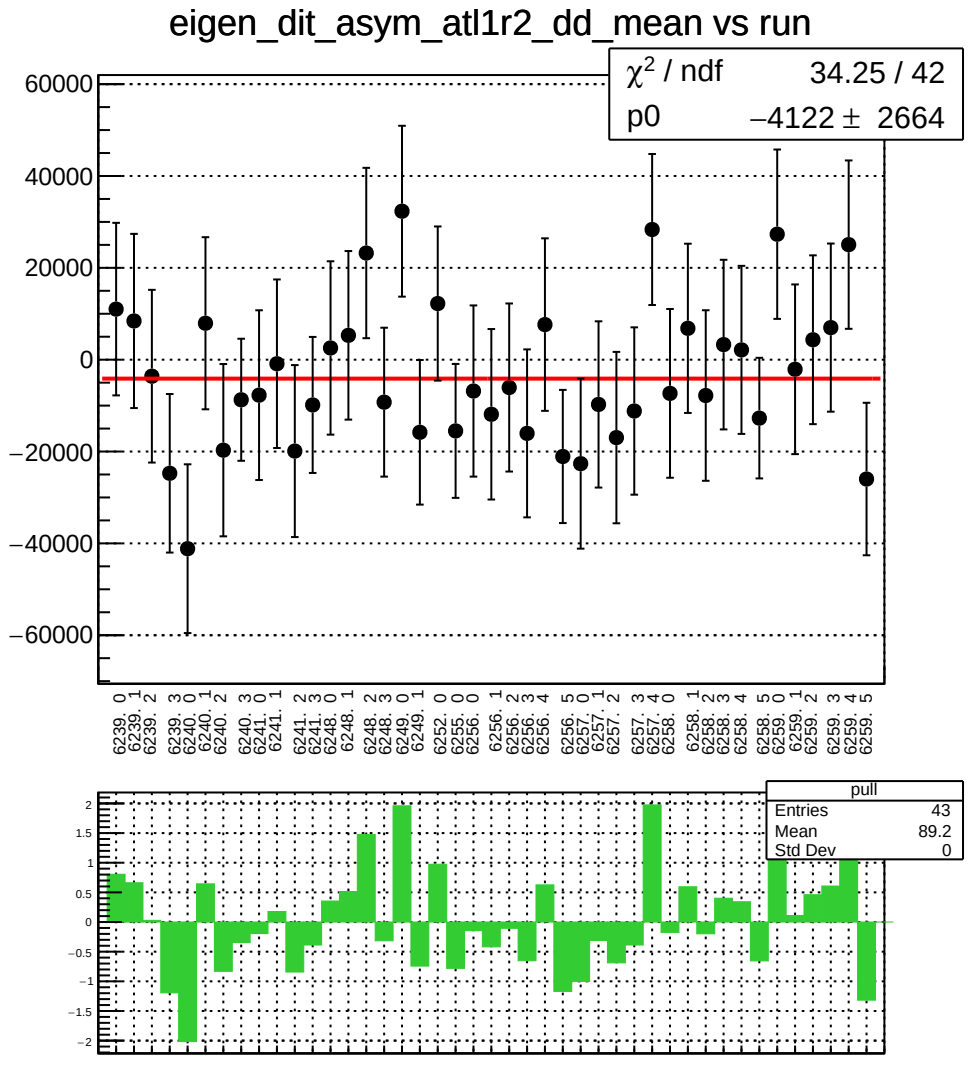
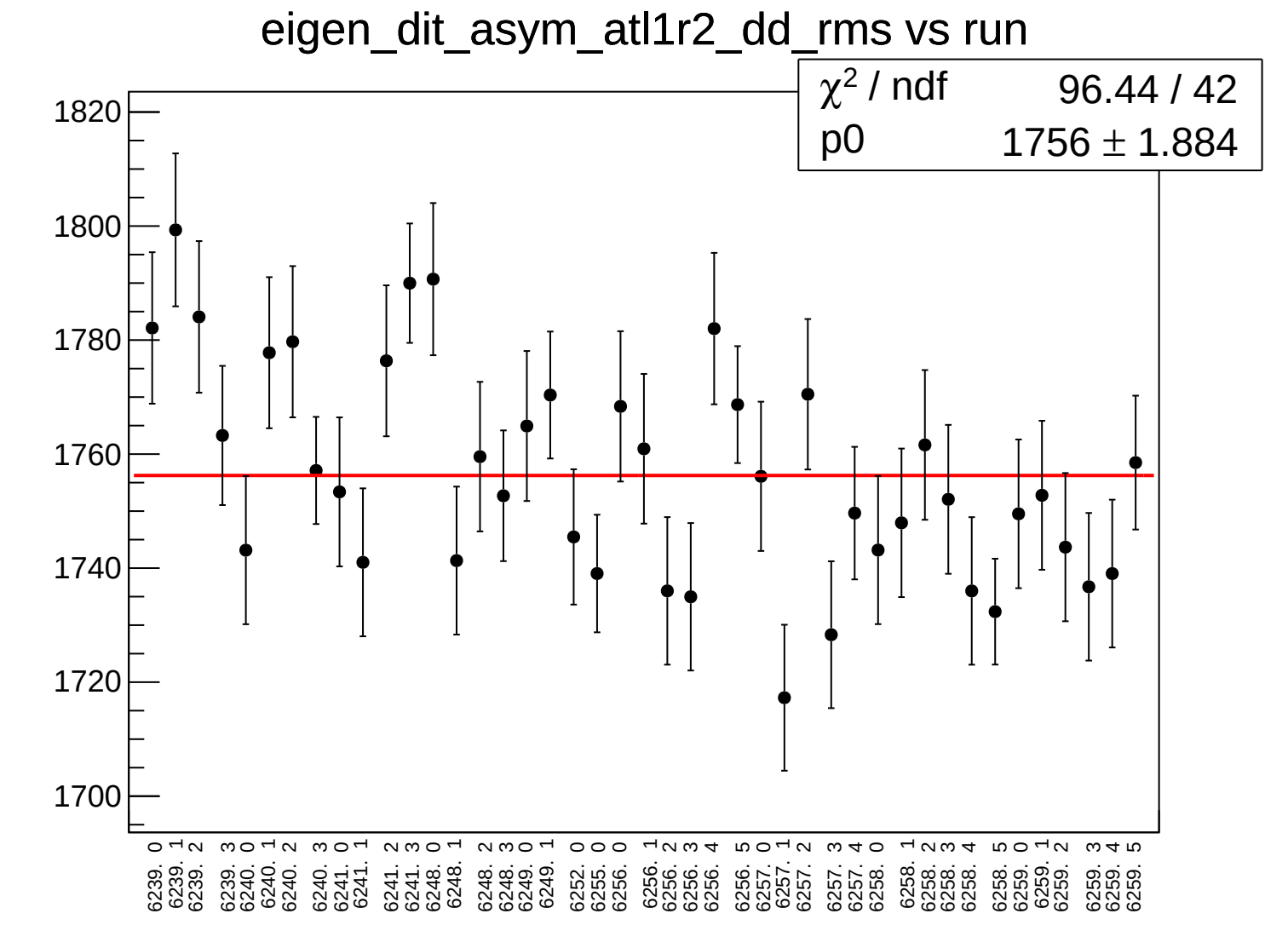
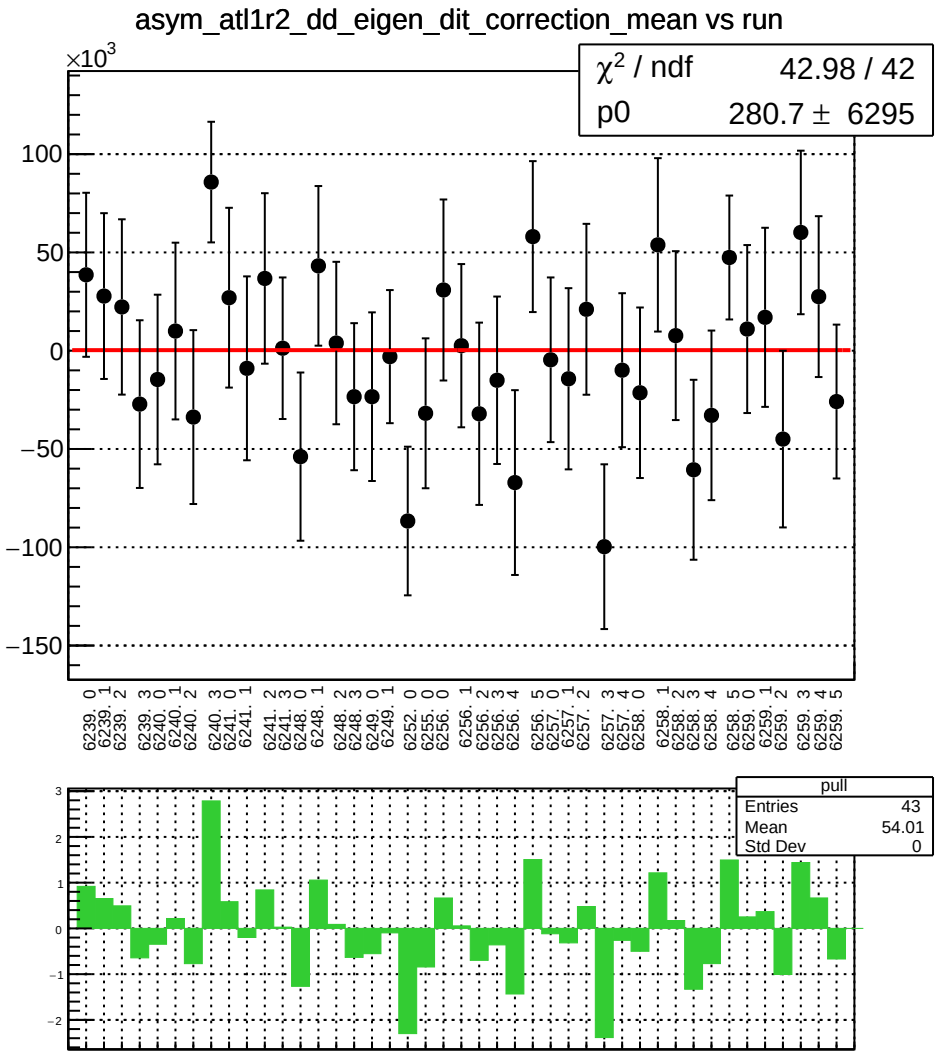
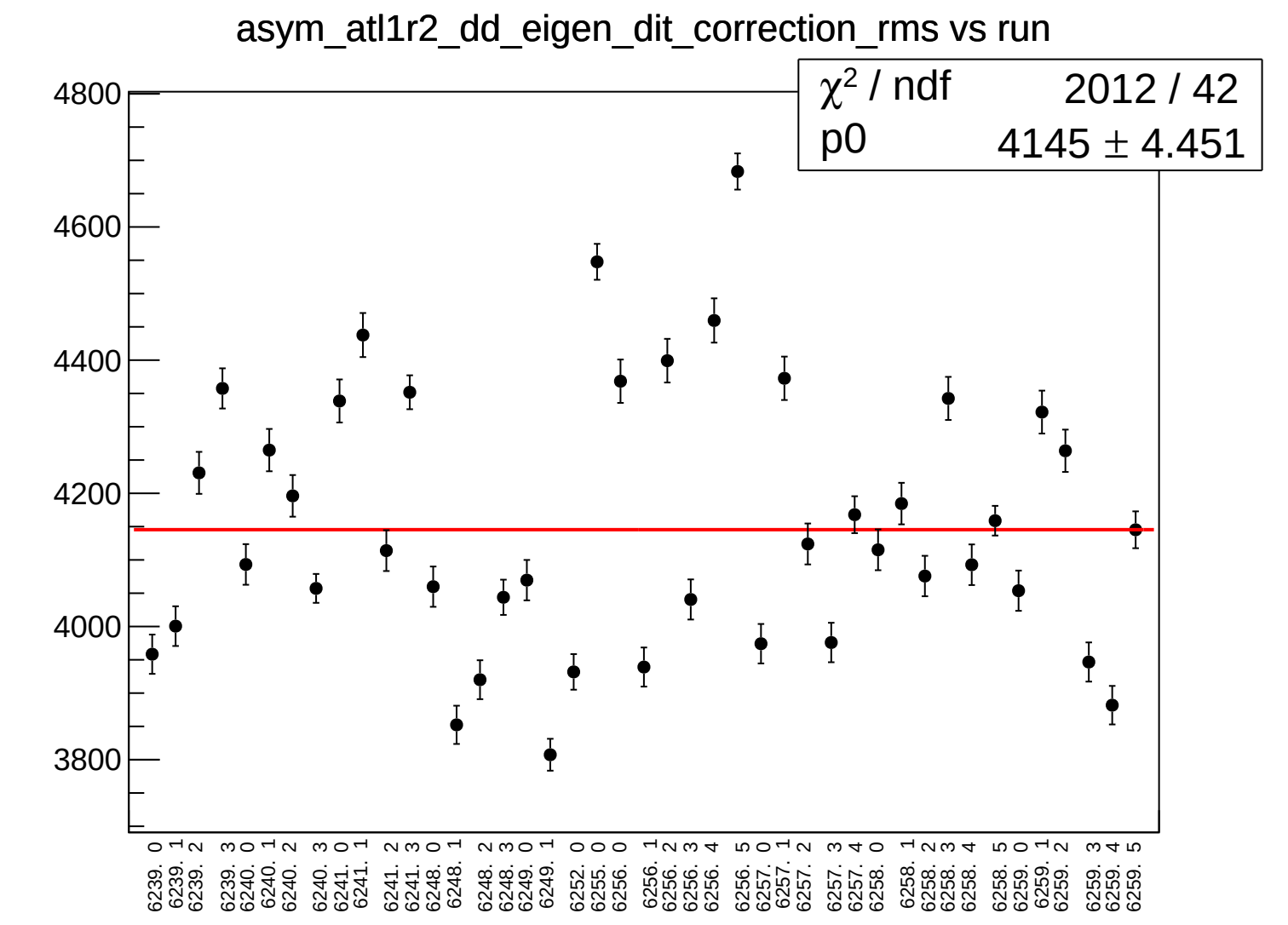
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.01
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03534
Std Dev 0.9991
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

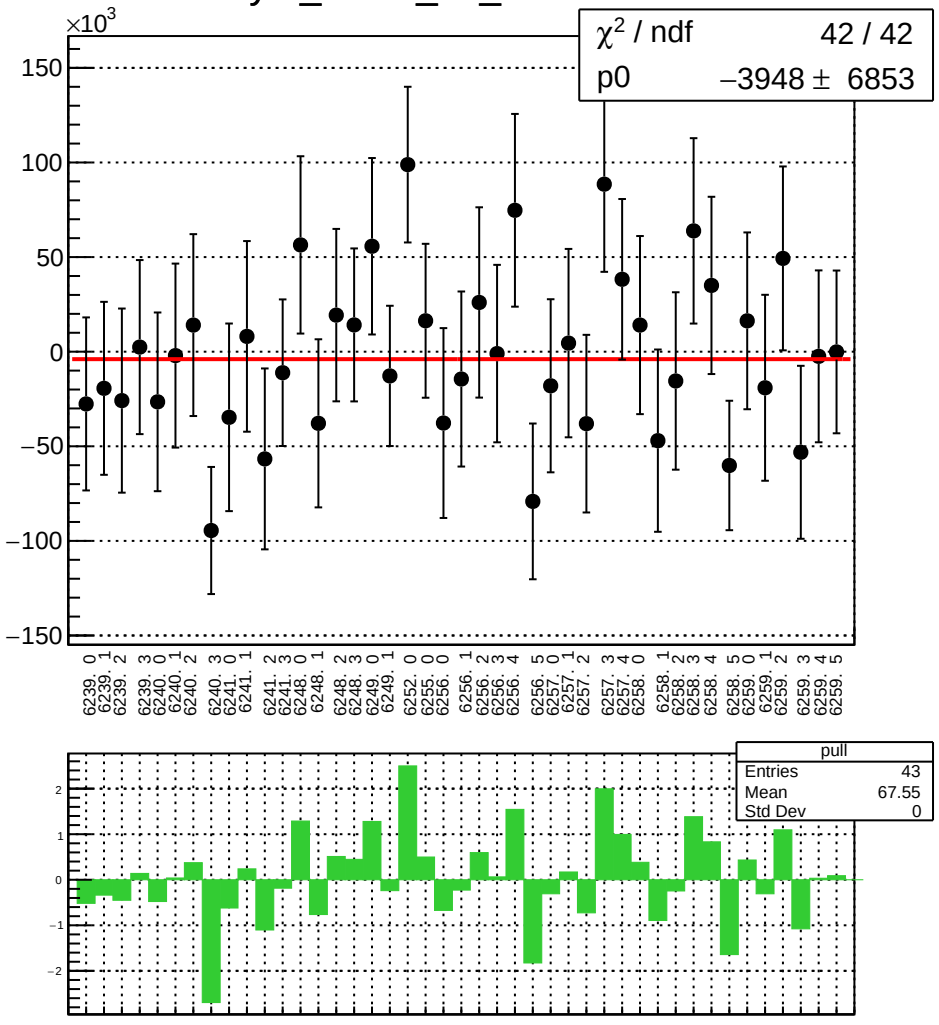

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 2012 / 42
p0 4145 ± 4.451
4800
4600
4400
4200
4000
3800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

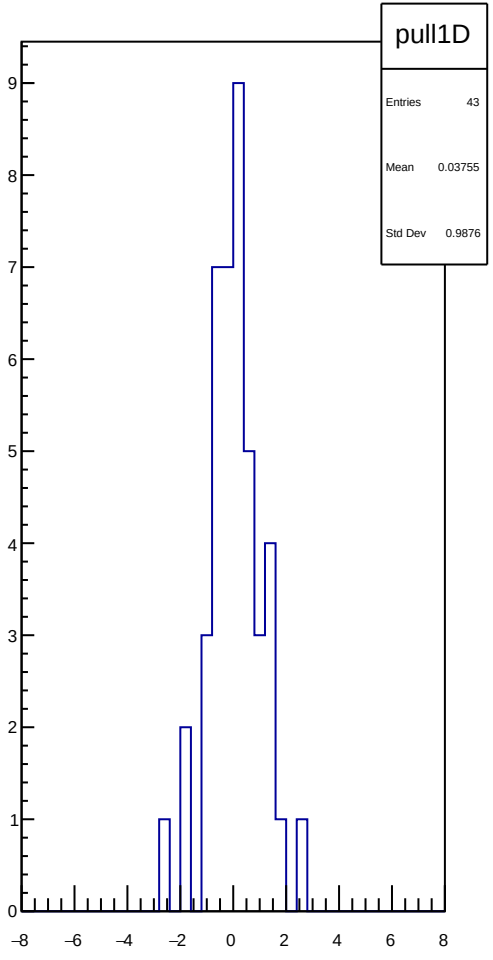

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 34.25 / 42
p0 −4122 ± 2664
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02624
Std Dev 0.8921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

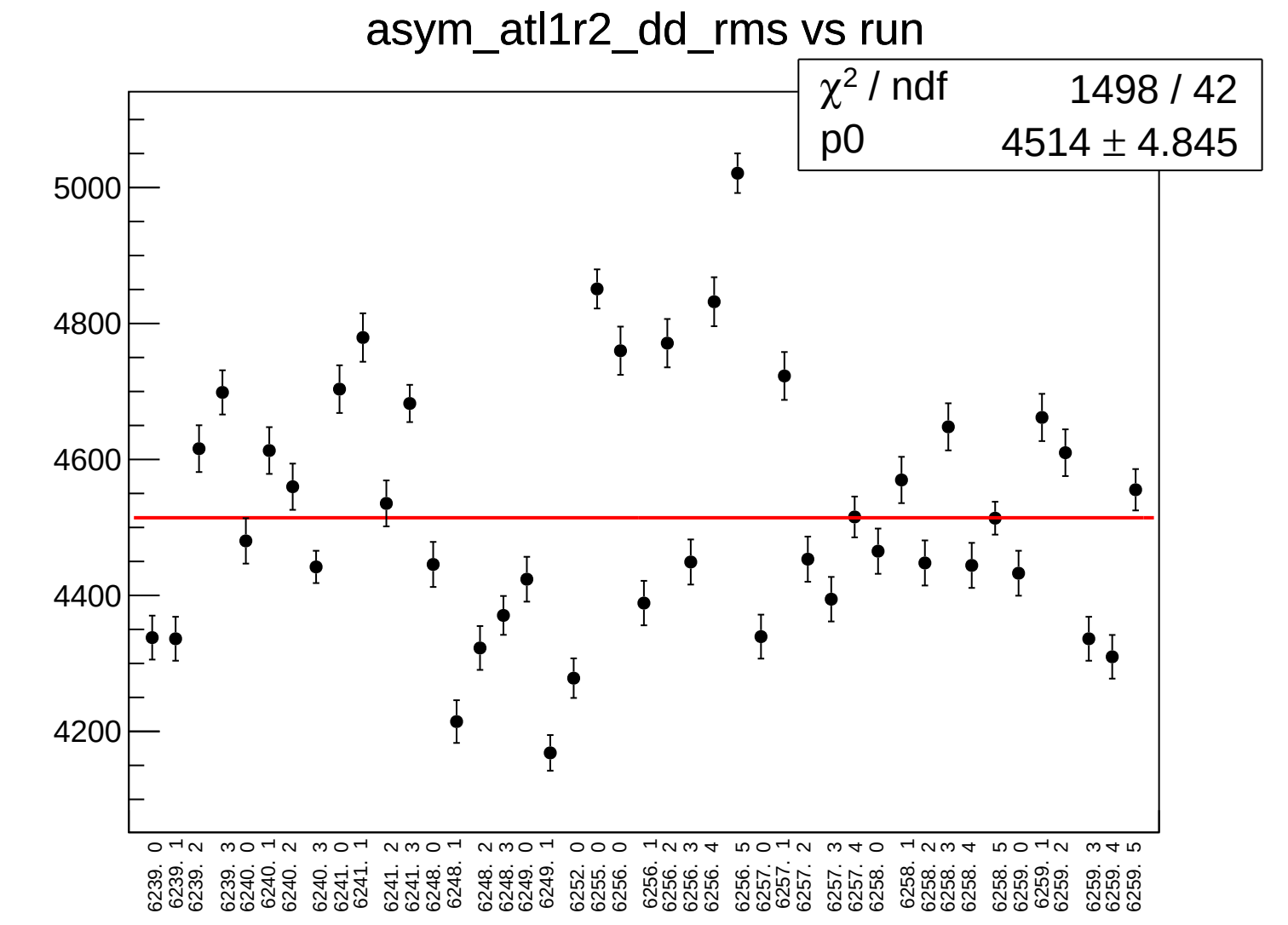

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 96.44 / 42
p0 1756 ± 1.884
1820
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

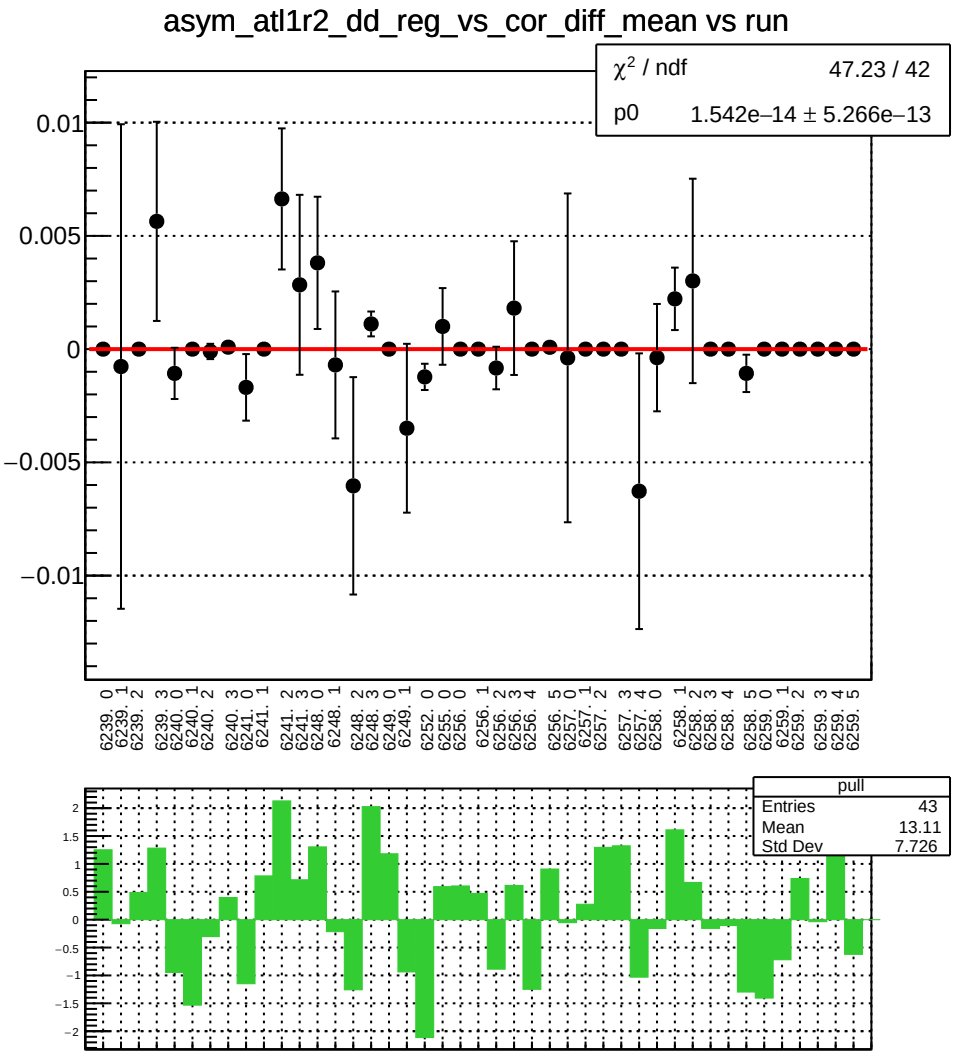

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 42.98 / 42
p0 280.7 ± 6295
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.01
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03534
Std Dev 0.9991
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

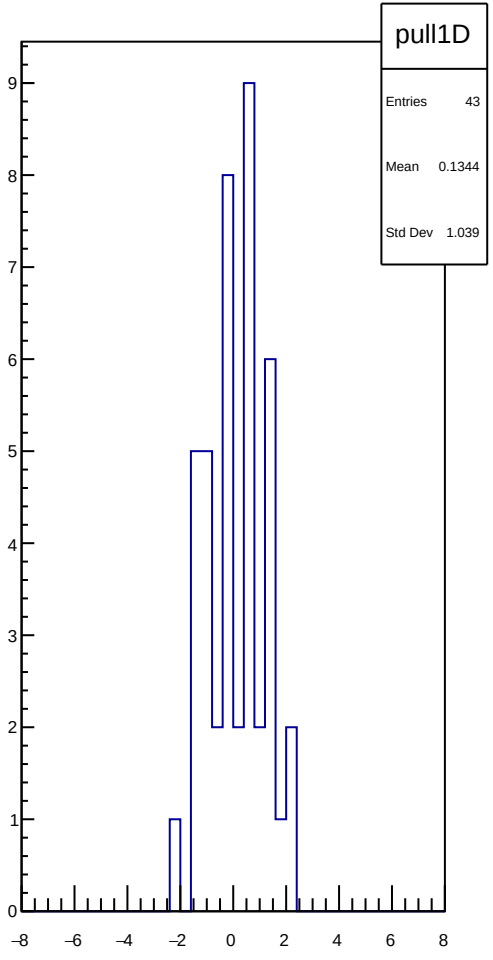

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2012 / 42
p0 4145 ± 4.451
4800
4600
4400
4200
4000
3800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

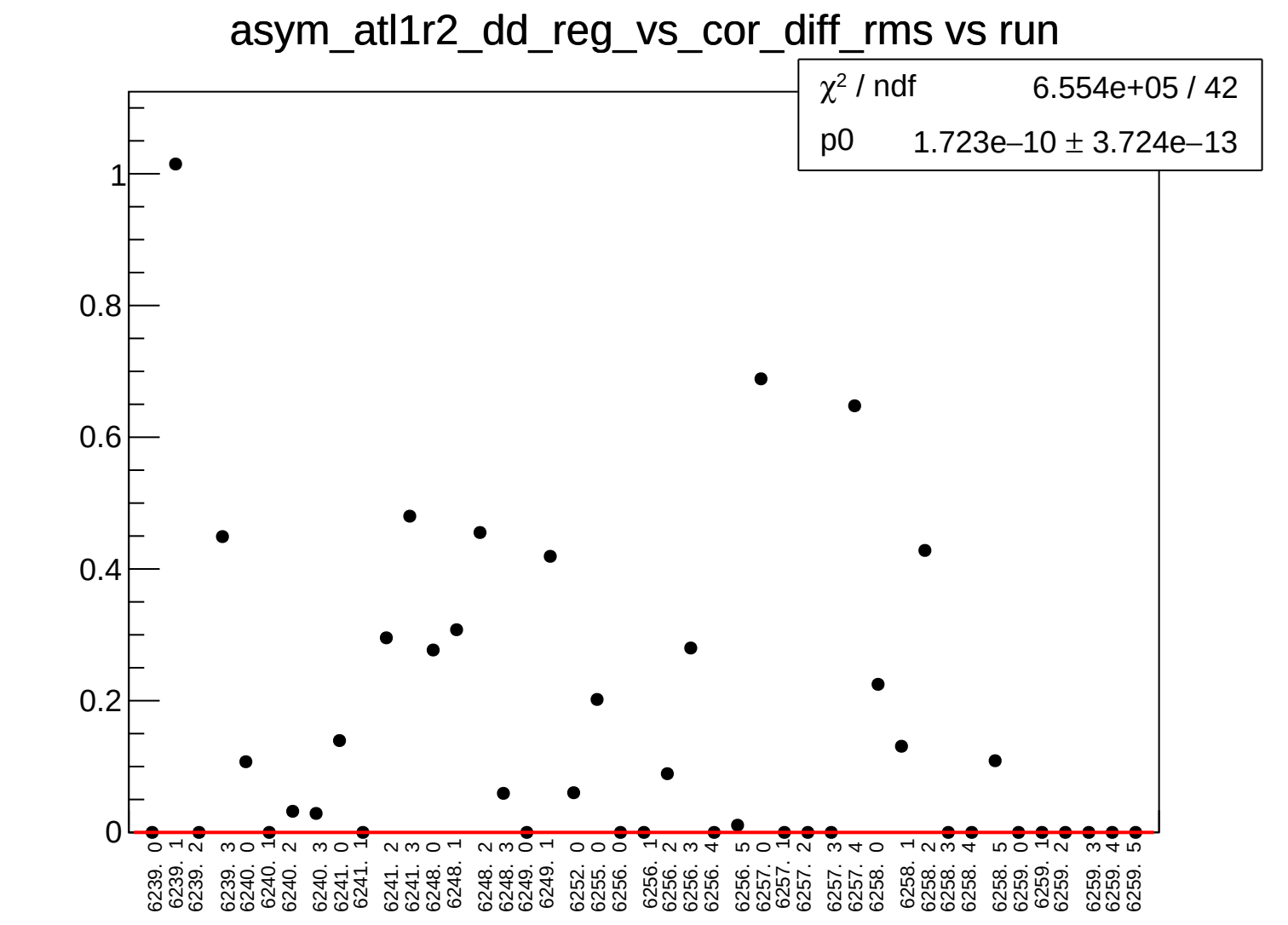

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42 / 42
p0 −3948 ± 6853
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 67.55
Std Dev 0
2
1
0
−1
−2

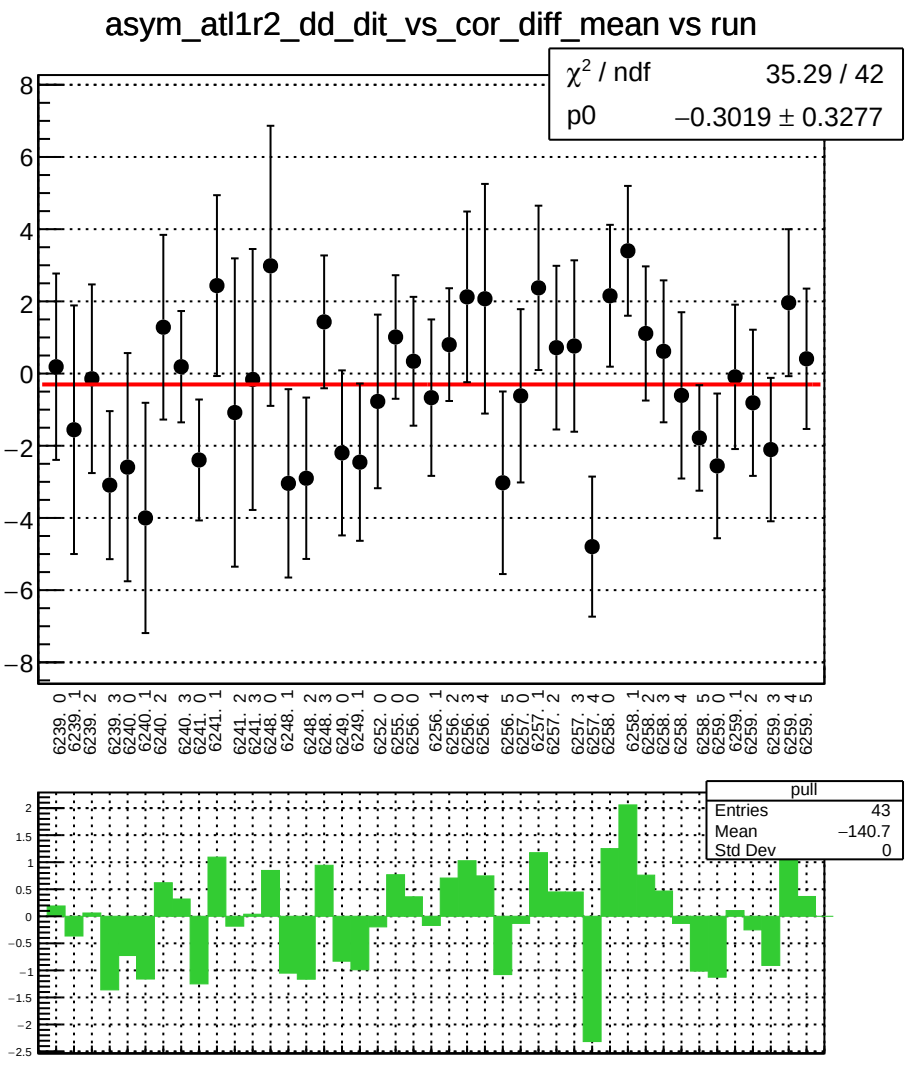

pull1D
Entries 43
Mean 0.03755
Std Dev 0.9876
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

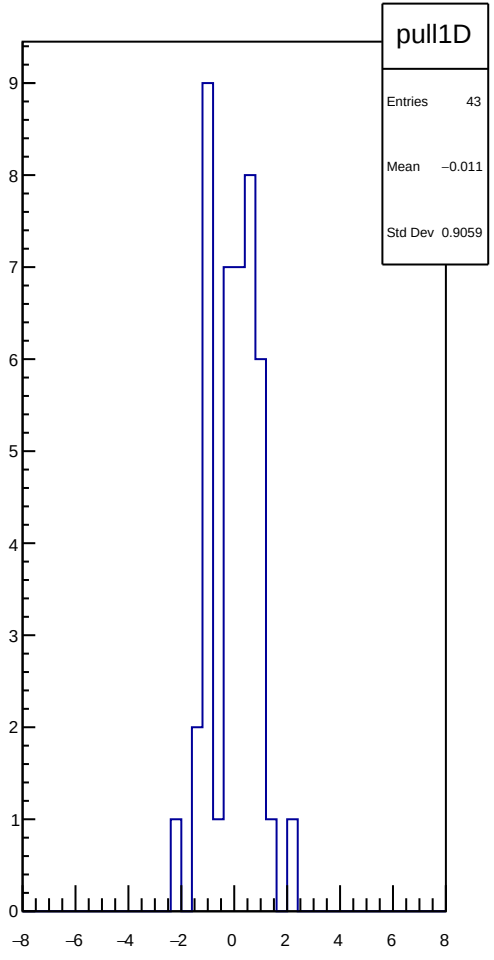

asym_atl1r2_dd_rms vs run
χ² / ndf 1498 / 42
p0 4514 ± 4.845
5000
4800
4600
4400
4200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

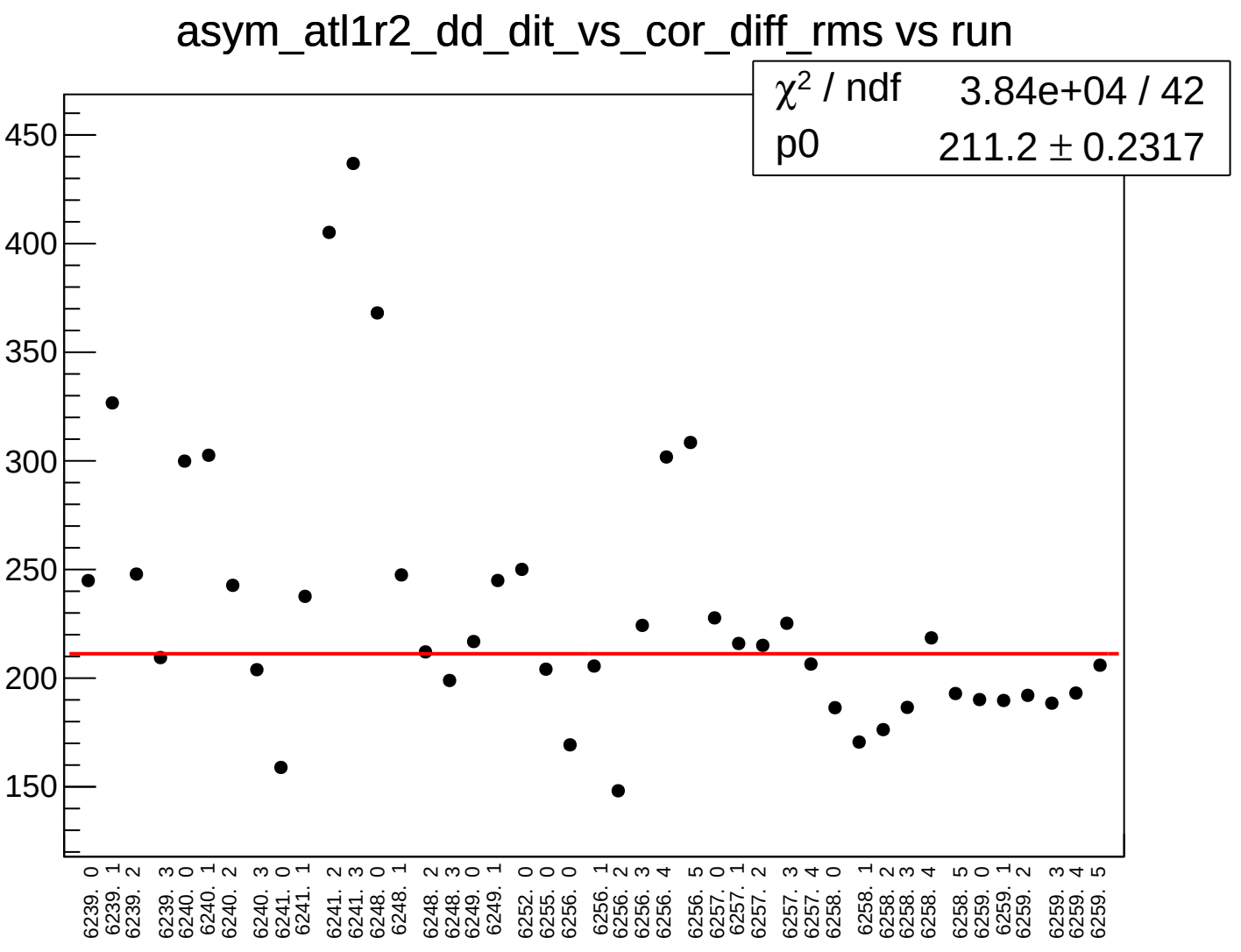

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.23 / 42
p0 1.542e−14 ± 5.266e−13
0.01
0.005
0
−0.005
−0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.11
Std Dev 7.726
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

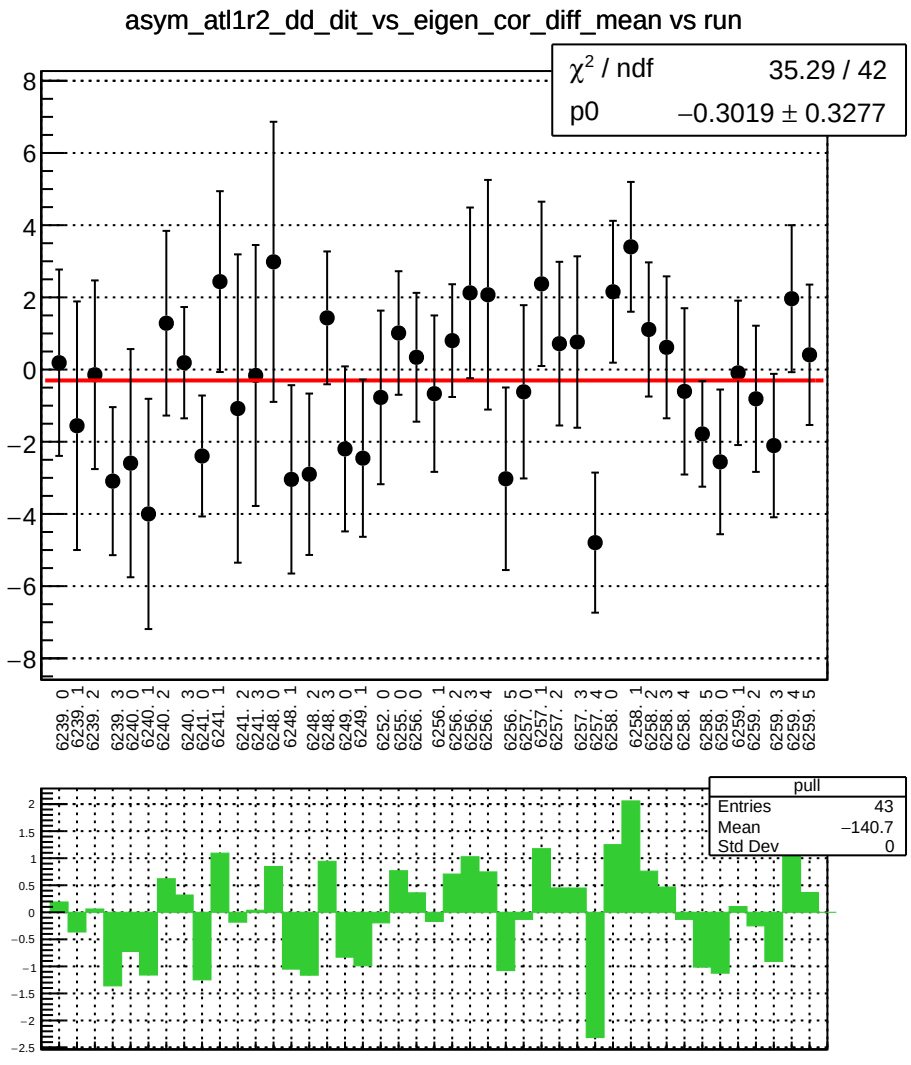

pull1D
Entries 43
Mean 0.1344
Std Dev 1.039
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

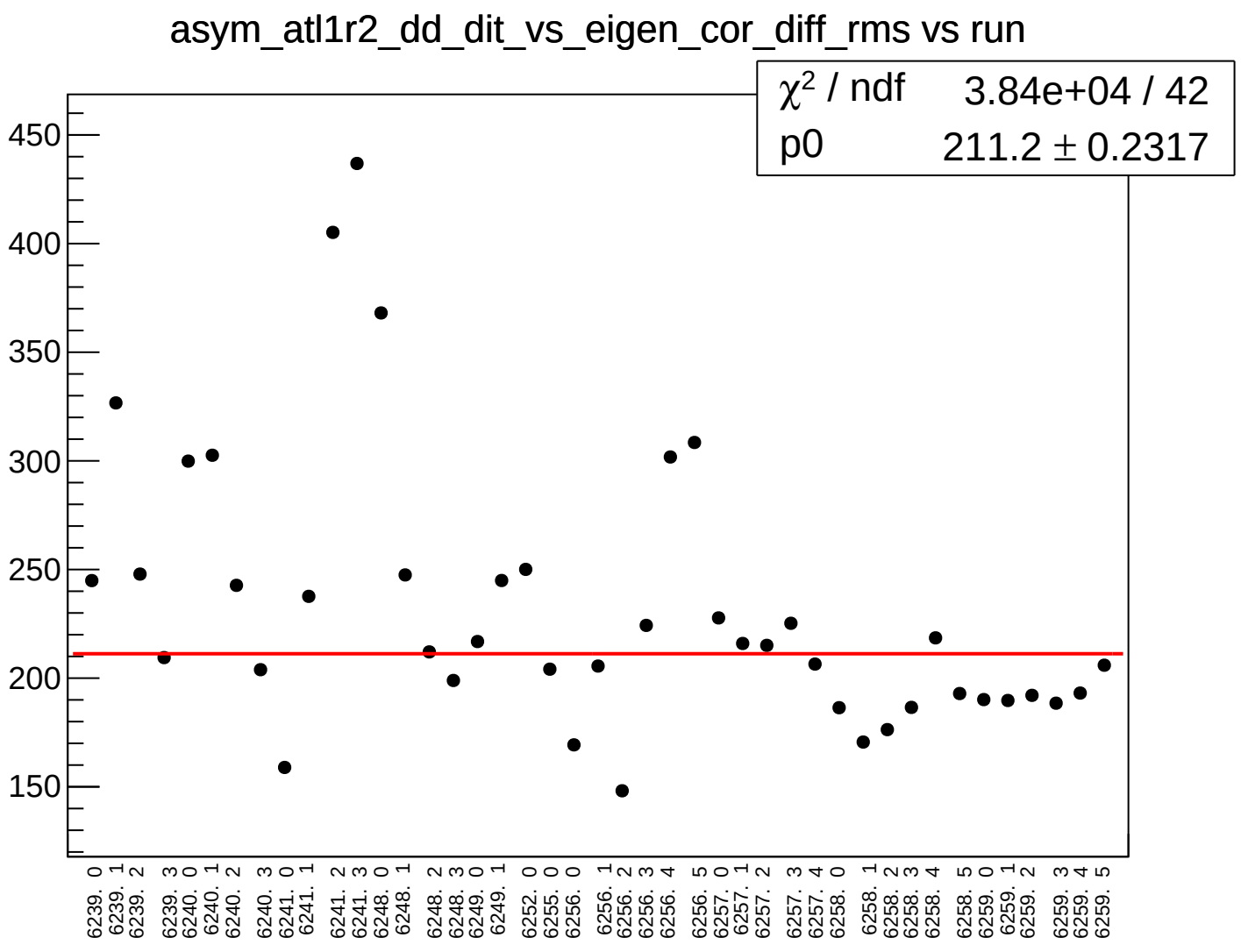

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.554e+05 / 42
p0 1.723e−10 ± 3.724e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

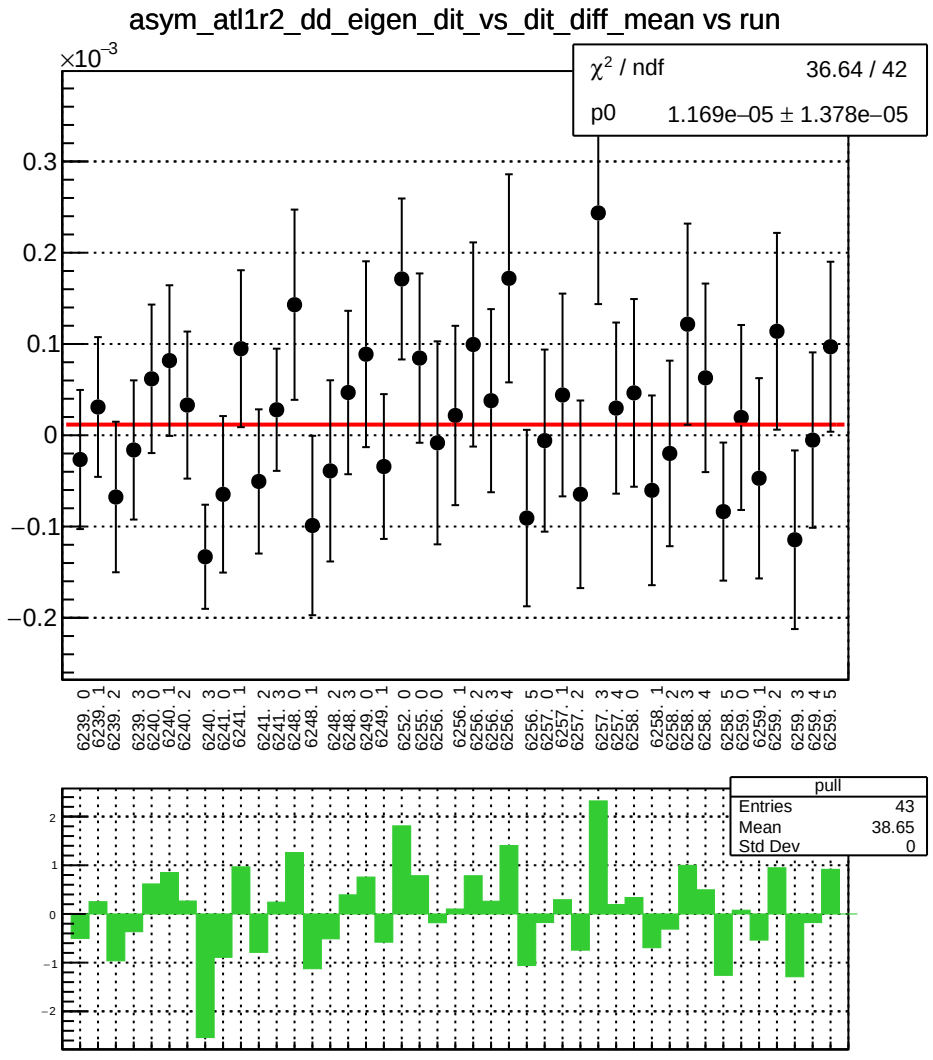

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 −0.3019 ± 0.3277
pull
Entries 43
Mean −140.7
Std Dev 0

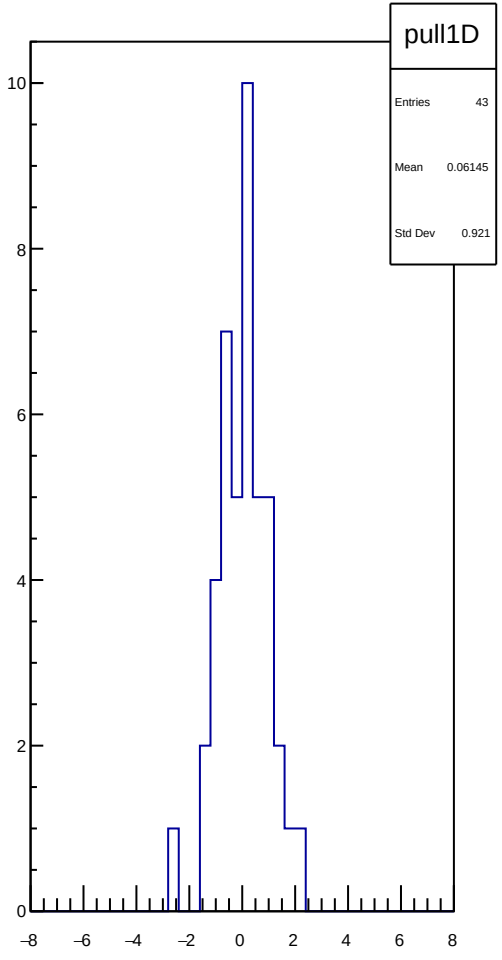

pull1D
Entries 43
Mean −0.011
Std Dev 0.9059

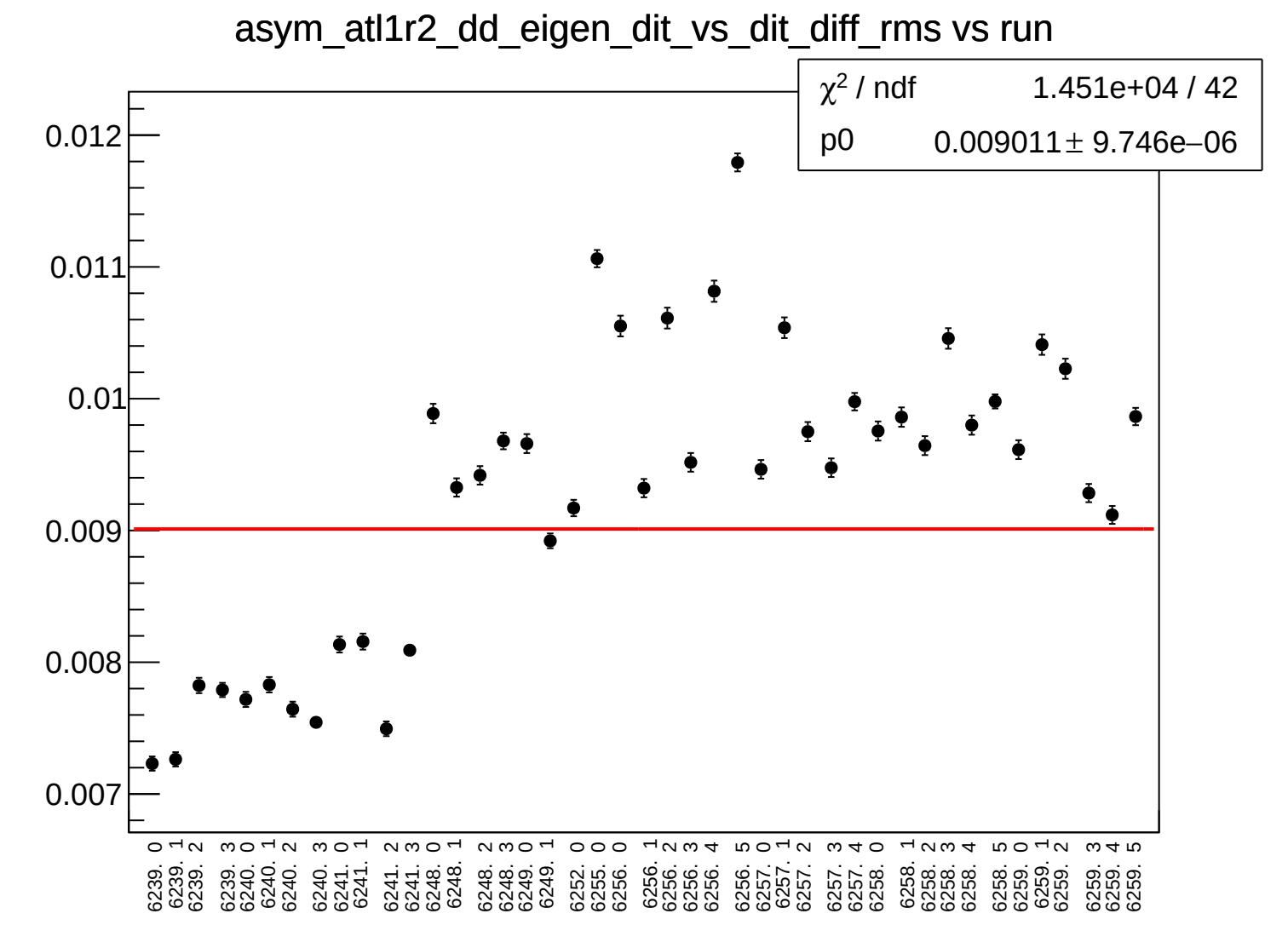

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.84e+04 / 42
p0 211.2 ± 0.2317
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

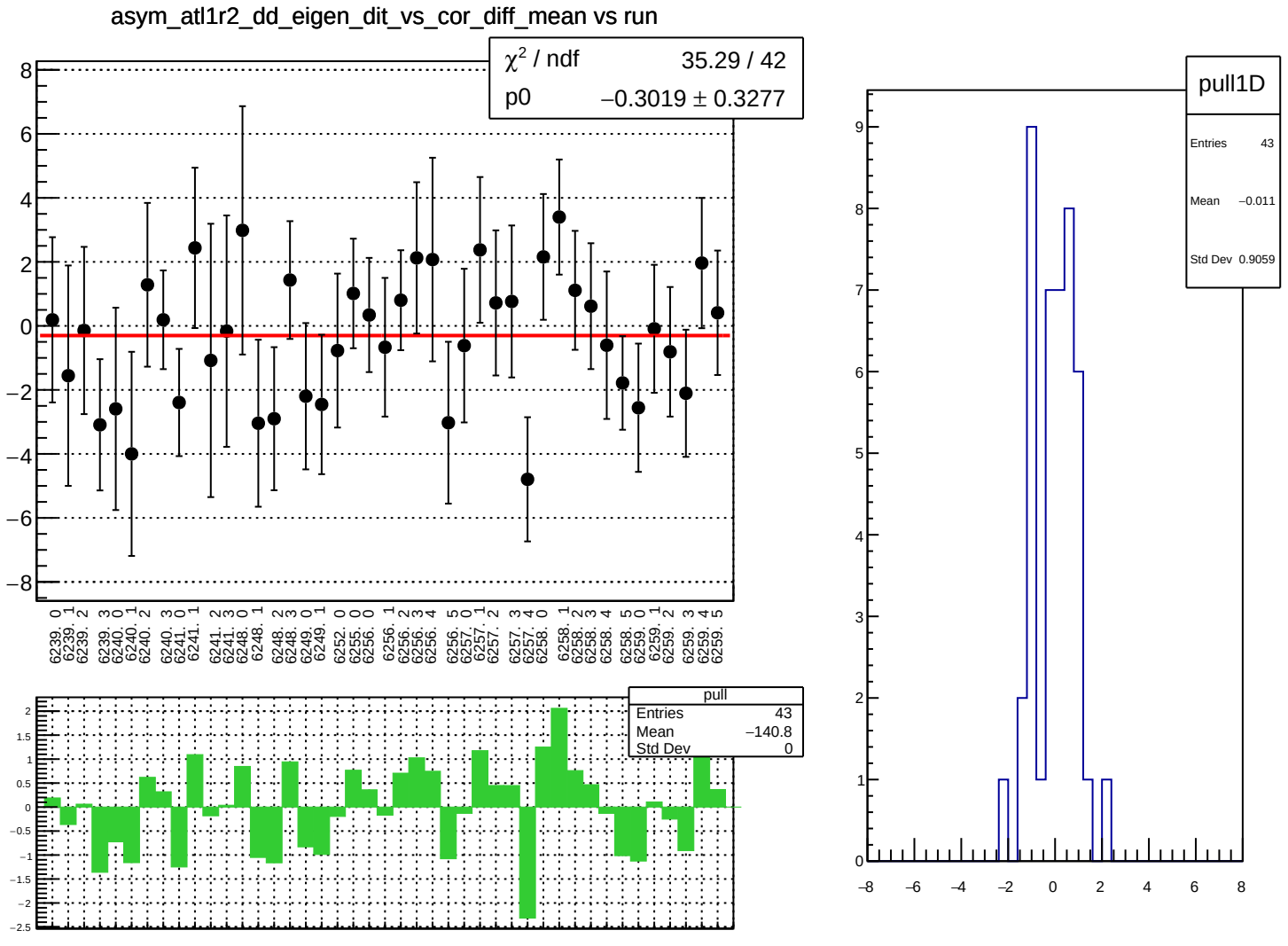

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 −0.3019 ± 0.3277
pull
Entries 43
Mean −140.7
Std Dev 0
pull1D
Entries 43
Mean −0.011
Std Dev 0.9059

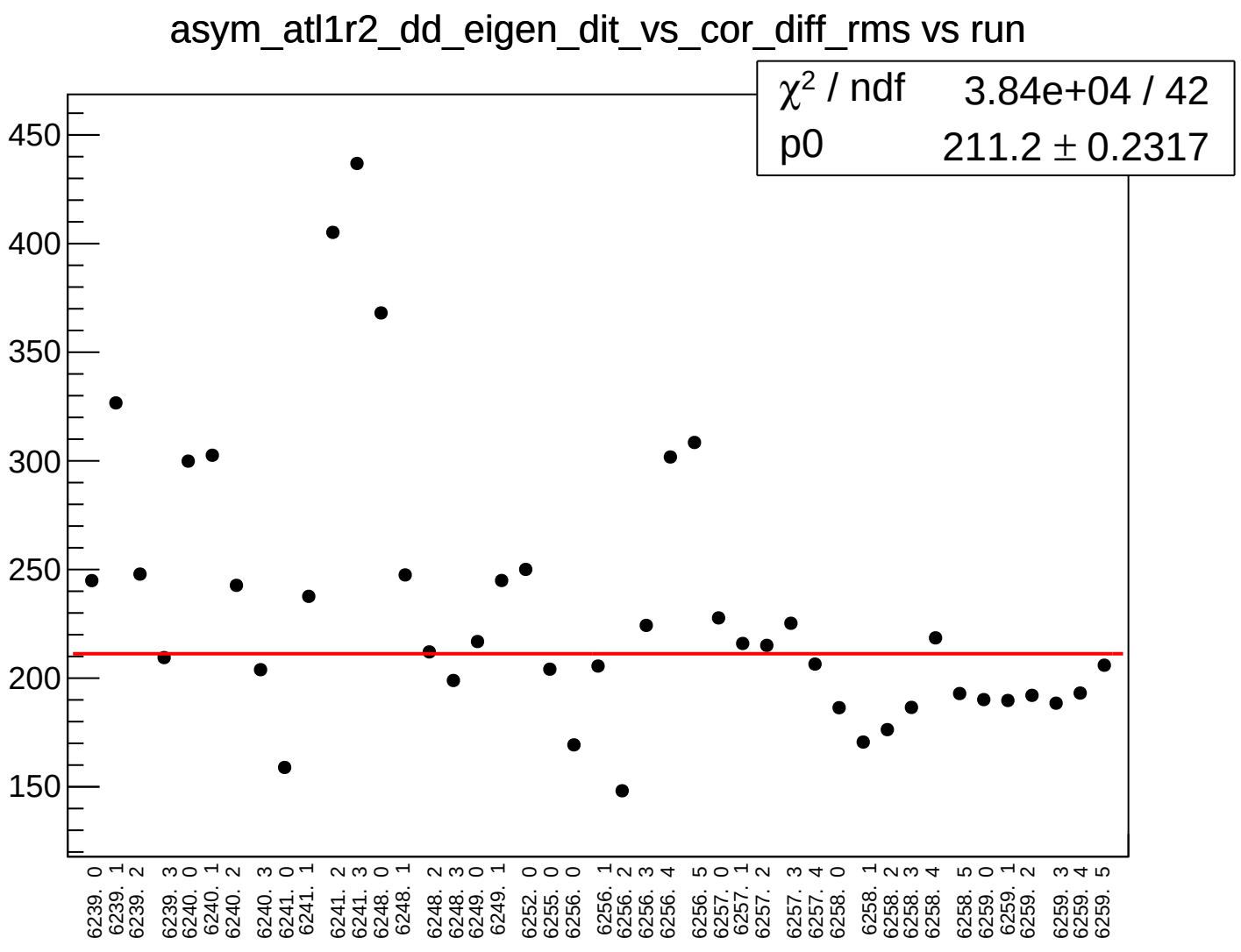

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.84e+04 / 42
p0 211.2 ± 0.2317
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

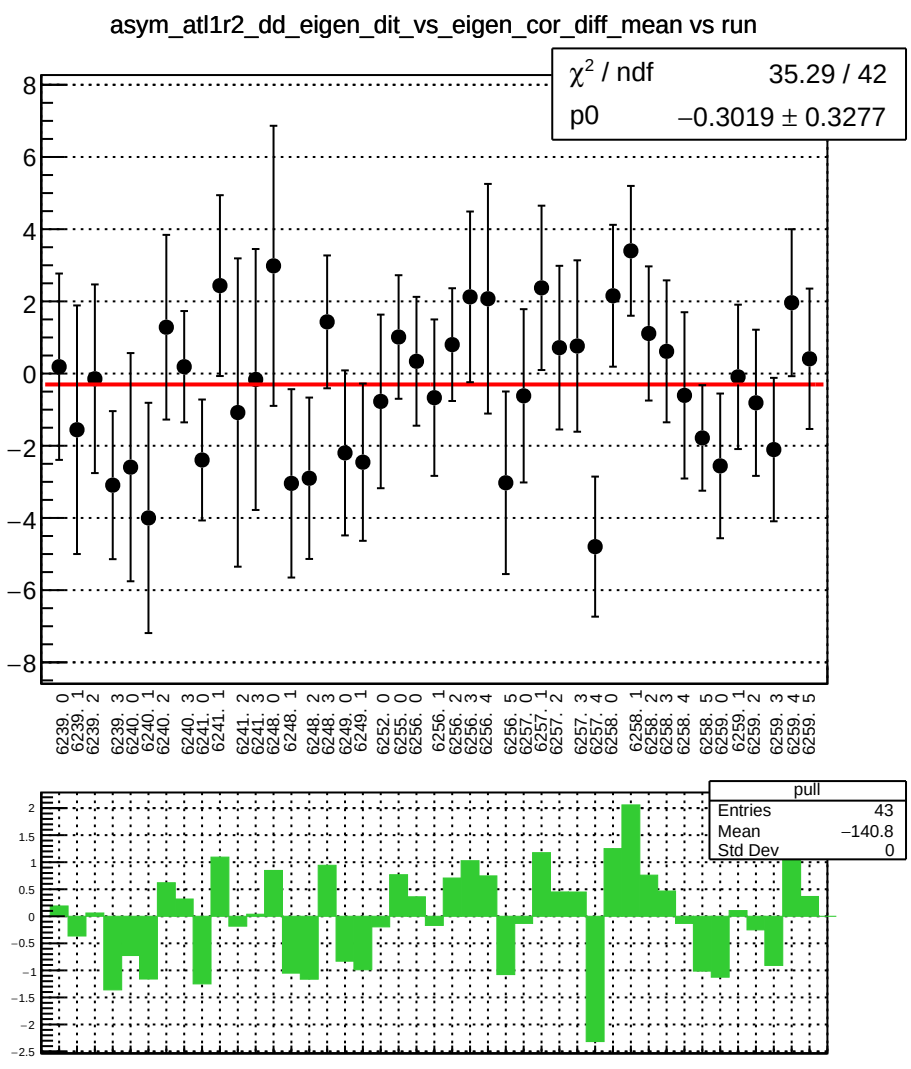

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.64 / 42
p0 1.169e−05 ± 1.378e−05
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.65
Std Dev 0
2
1
0
−1
−2

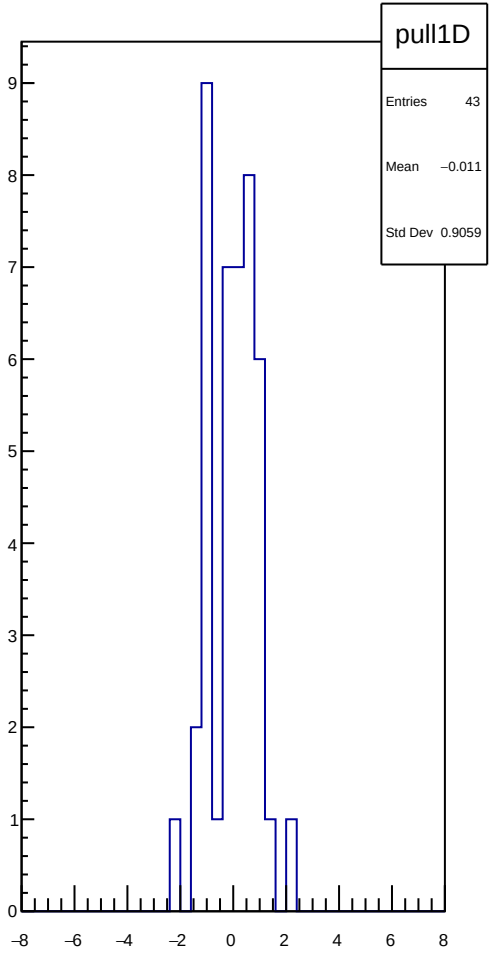

pull1D
Entries 43
Mean 0.06145
Std Dev 0.921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

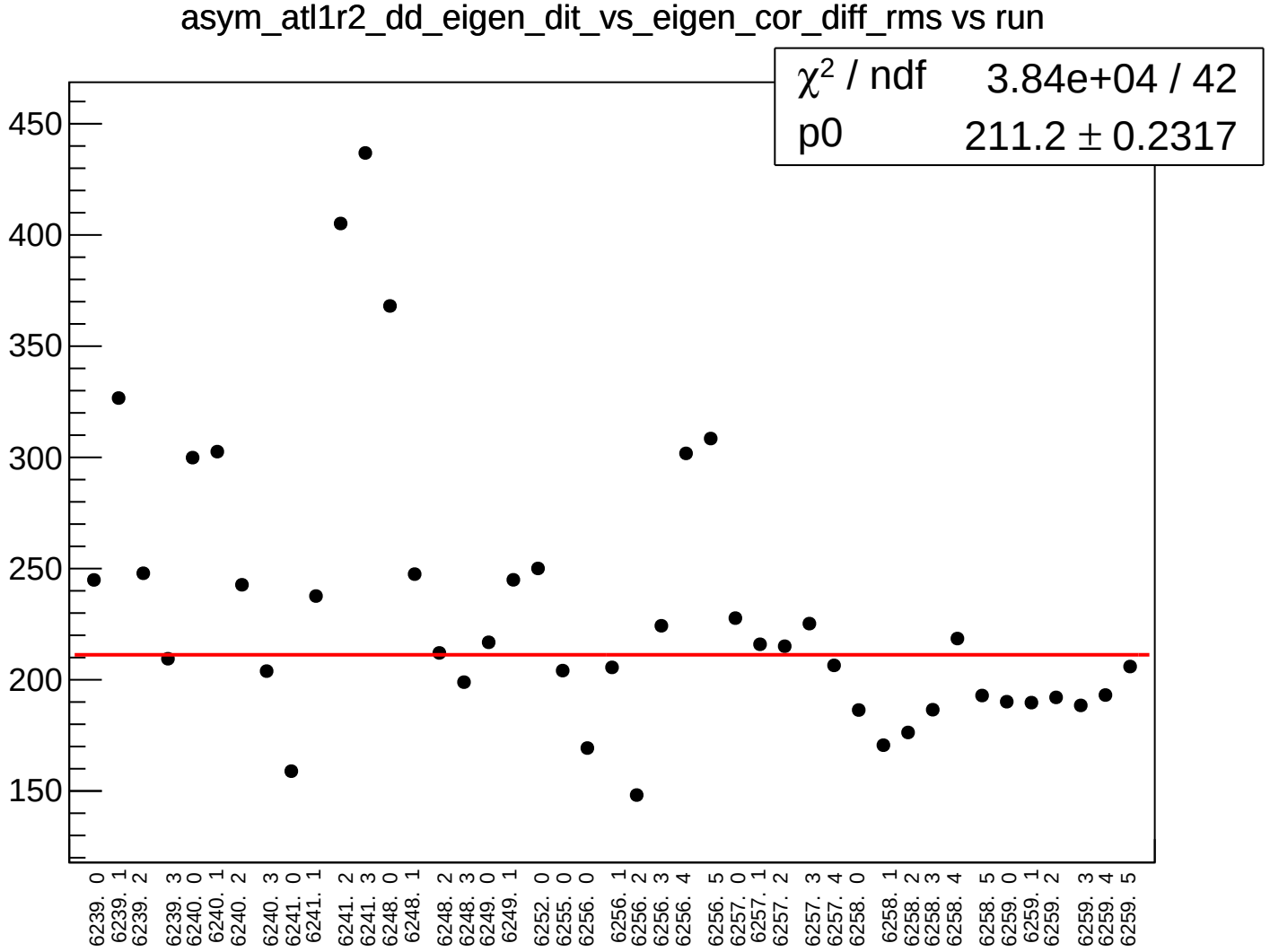

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.451e+04 / 42
p0 0.009011 ± 9.746e−06
0.012
0.011
0.01
0.009
0.008
0.007
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

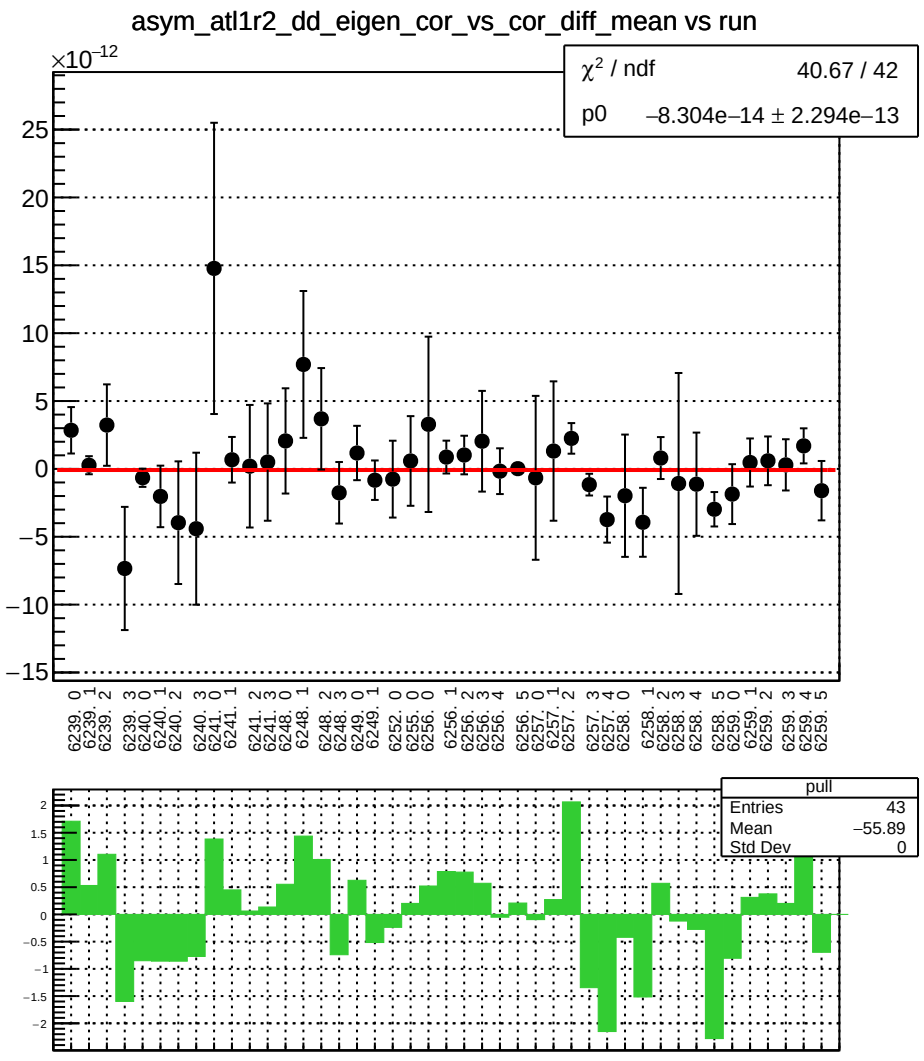

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 −0.3019 ± 0.3277
pull
Entries 43
Mean −140.8
Std Dev 0
pull1D
Entries 43
Mean −0.011
Std Dev 0.9059

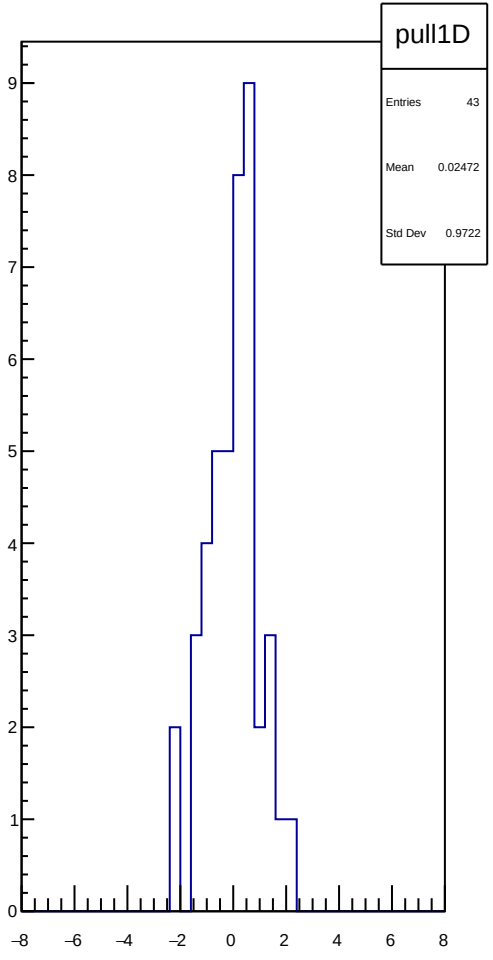

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.84e+04 / 42
p0 211.2 ± 0.2317
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

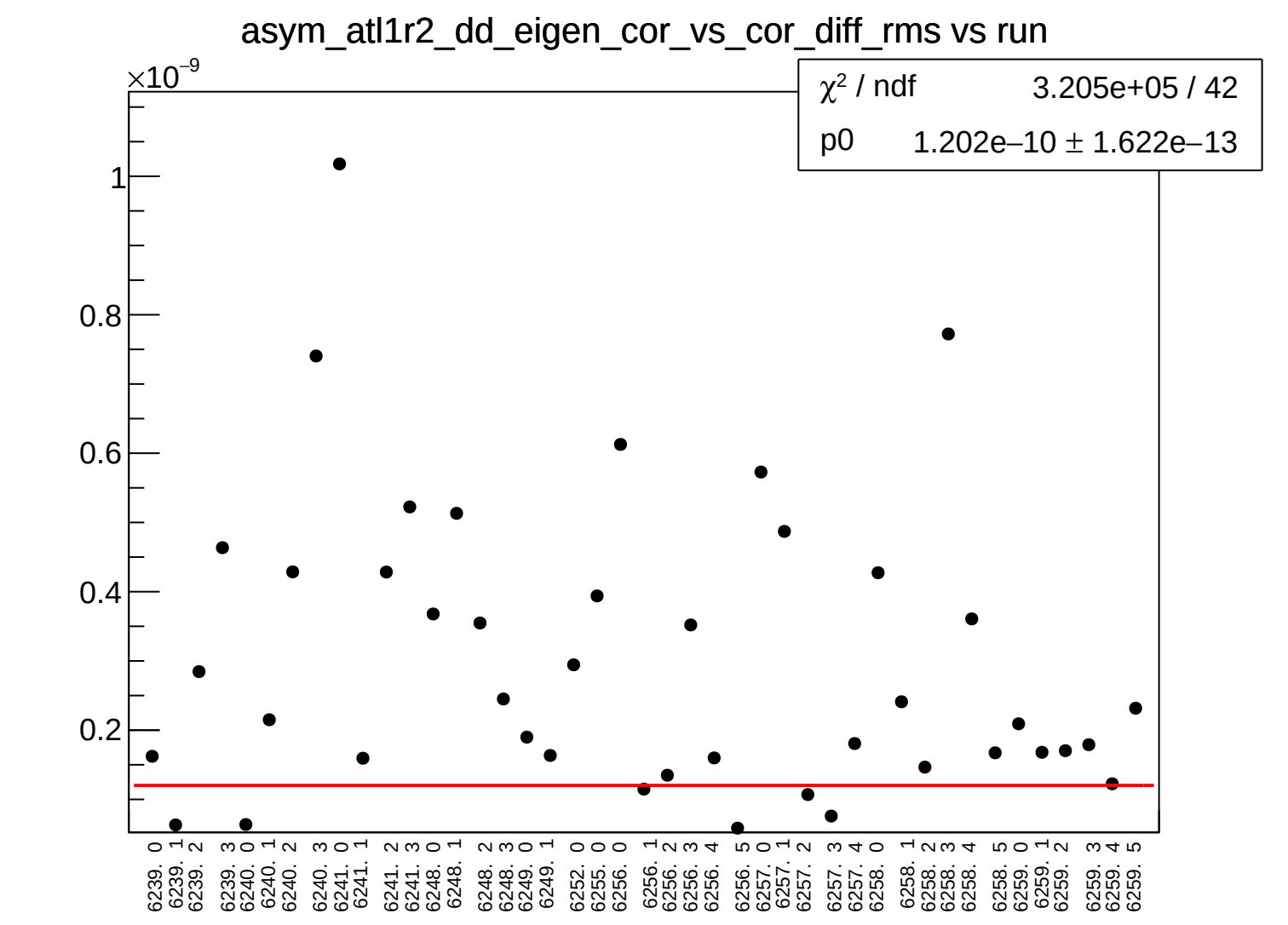

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.29 / 42
p0 −0.3019 ± 0.3277
pull
Entries 43
Mean −140.8
Std Dev 0

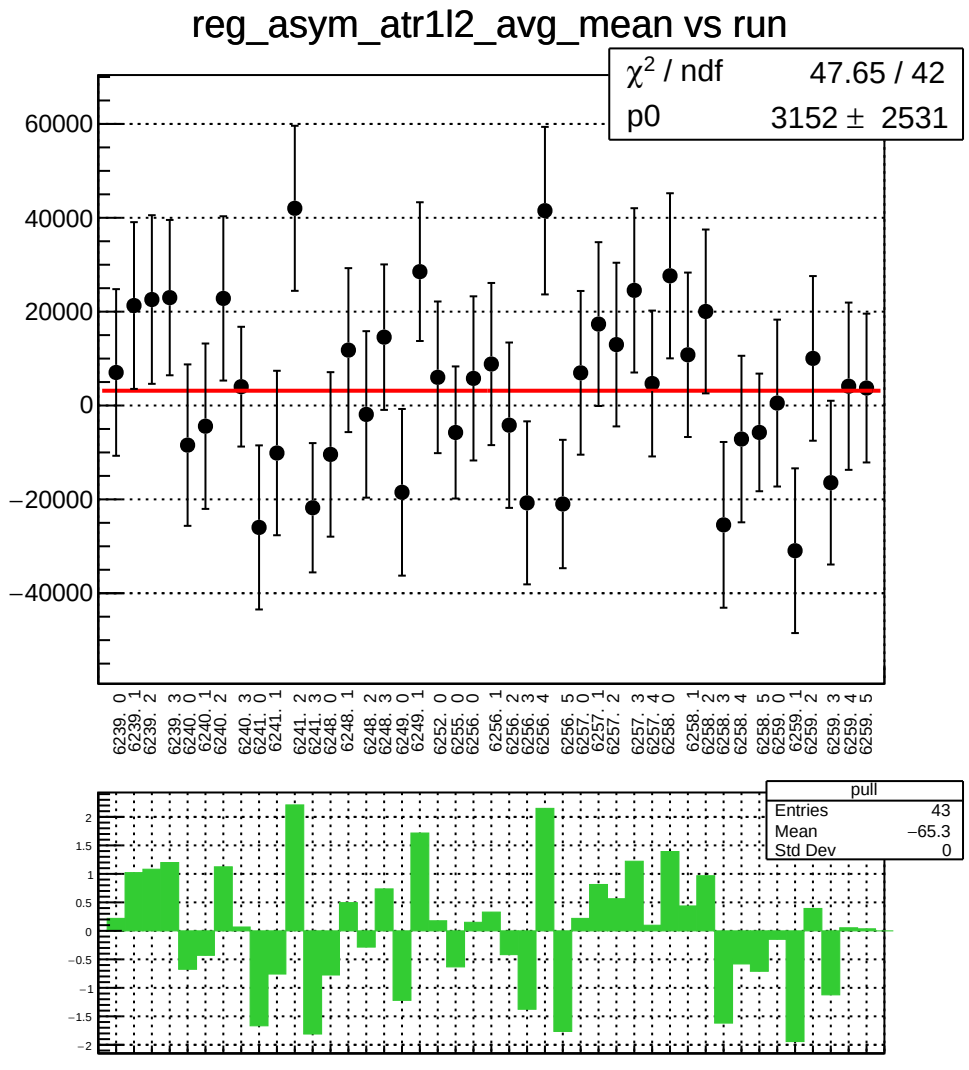

pull1D
Entries 43
Mean −0.011
Std Dev 0.9059

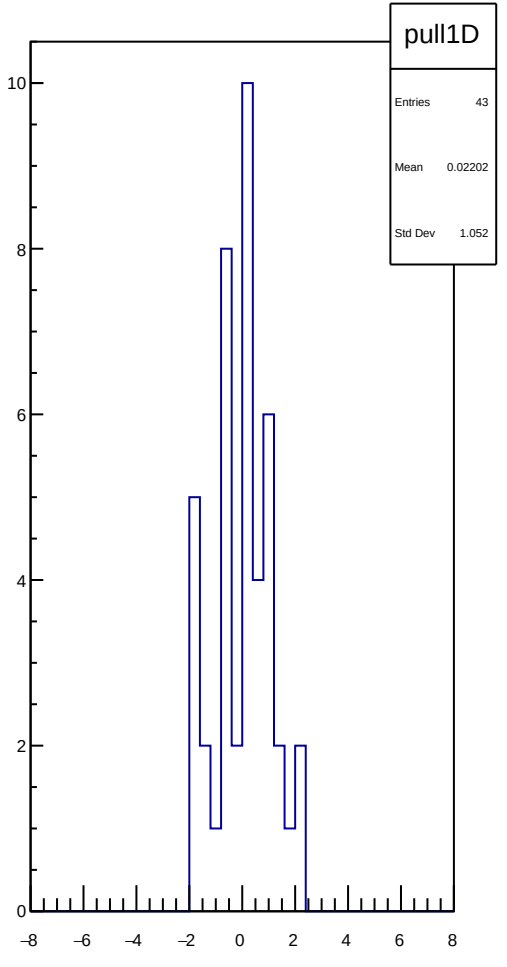

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.84e+04 / 42
p0 211.2 ± 0.2317
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

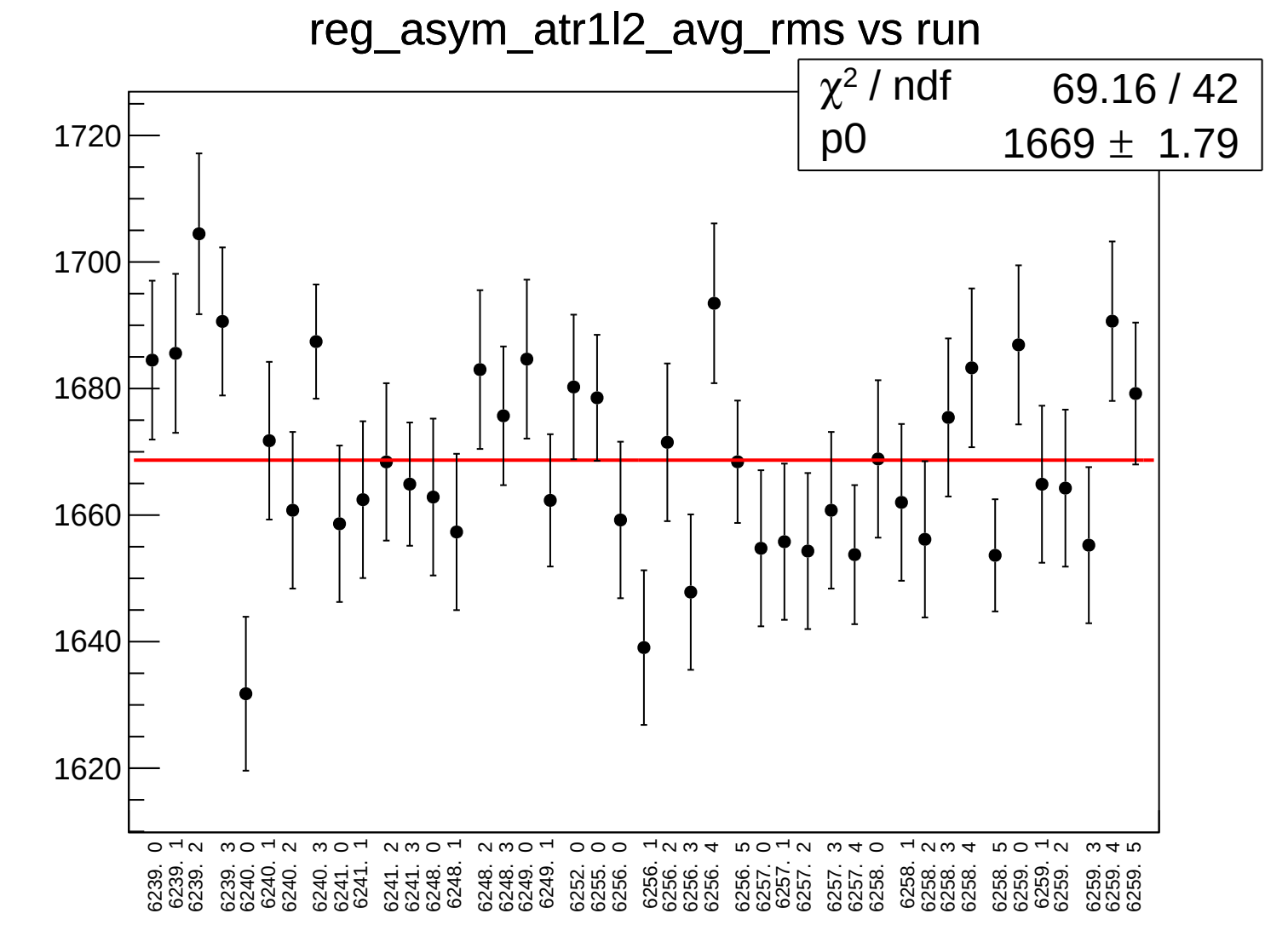

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.67 / 42
p0 −8.304e−14 ± 2.294e−13
25
20
15
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −55.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

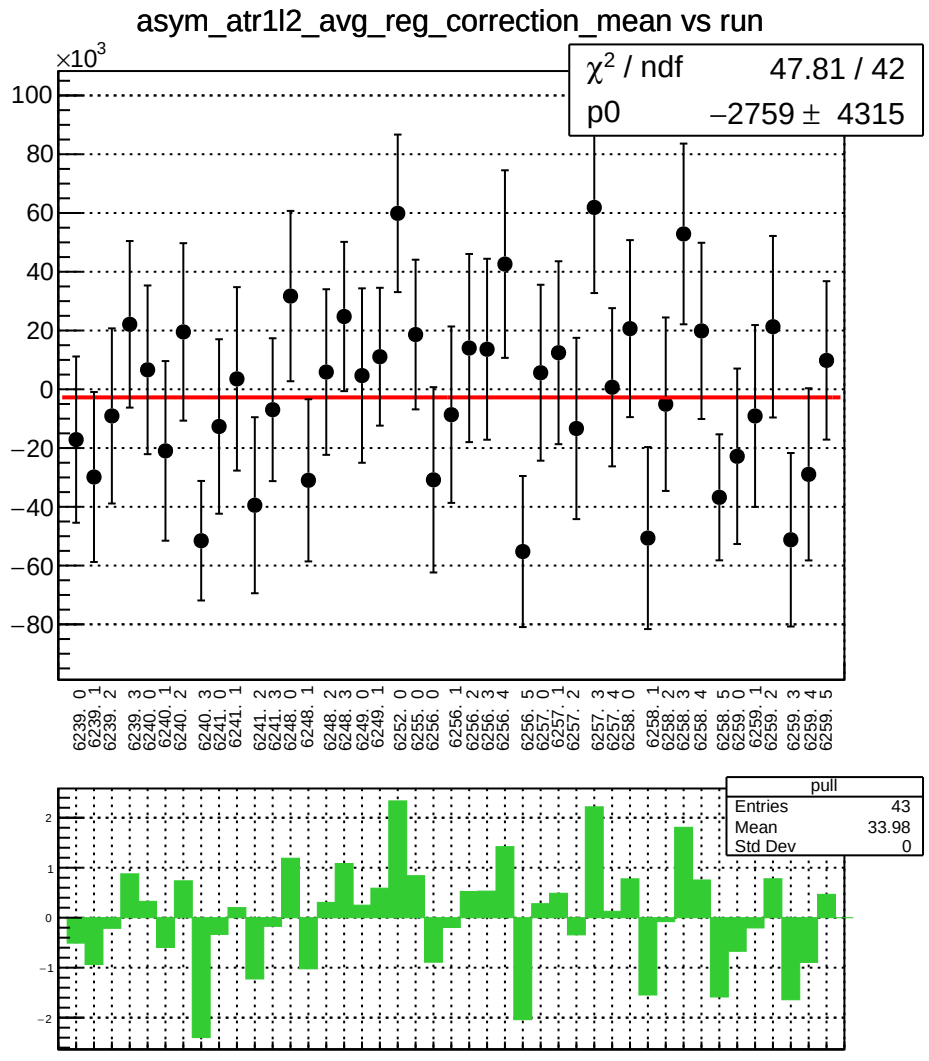

pull1D
Entries 43
Mean 0.02472
Std Dev 0.9722
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

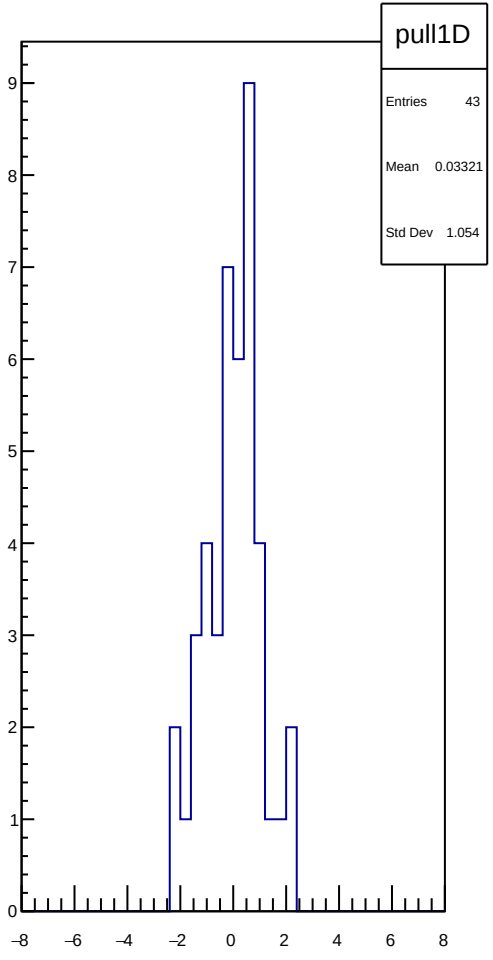

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.205e+05 / 42
p0 1.202e−10 ± 1.622e−13
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

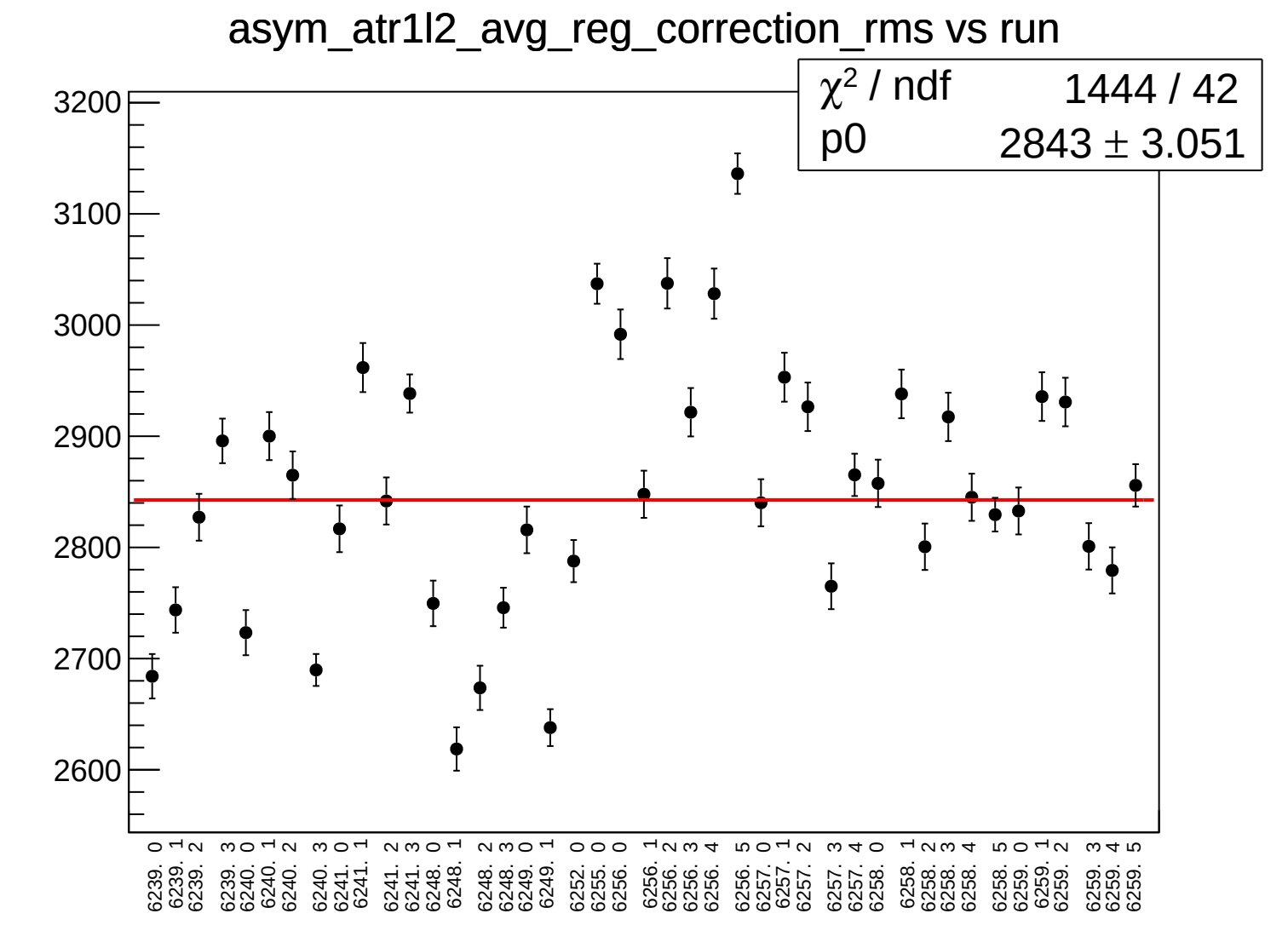

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 47.65 / 42
p0 3152 ± 2531
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

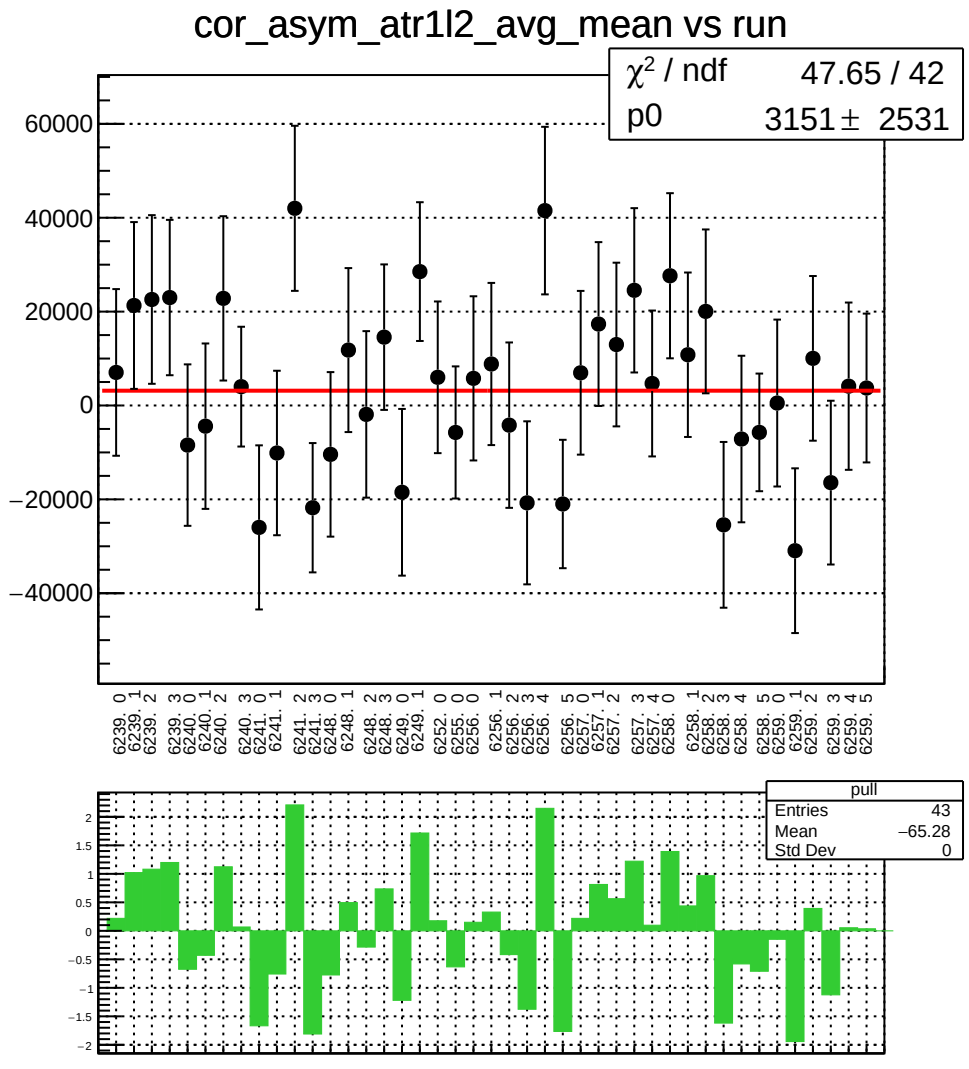

pull1D
Entries 43
Mean 0.02202
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

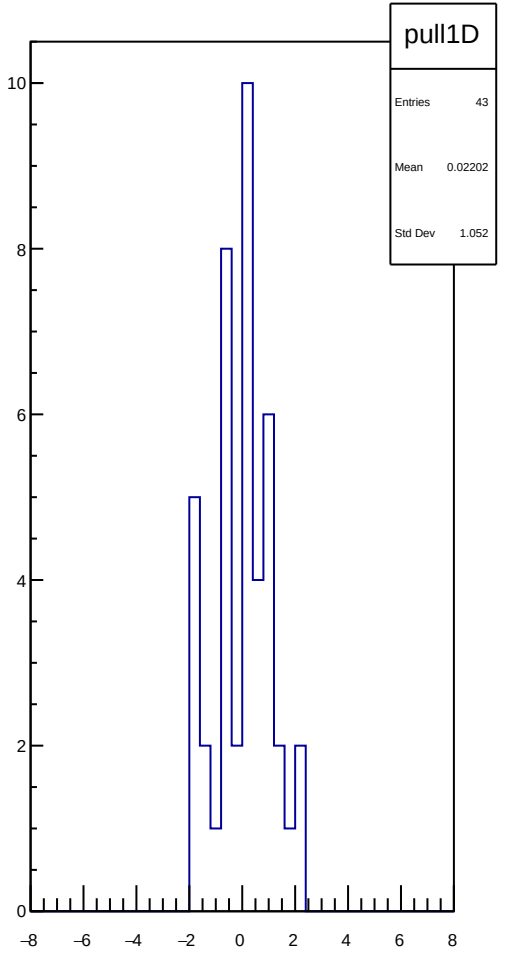

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 69.16 / 42
p0 1669 ± 1.79
1720
1700
1680
1660
1640
1620
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

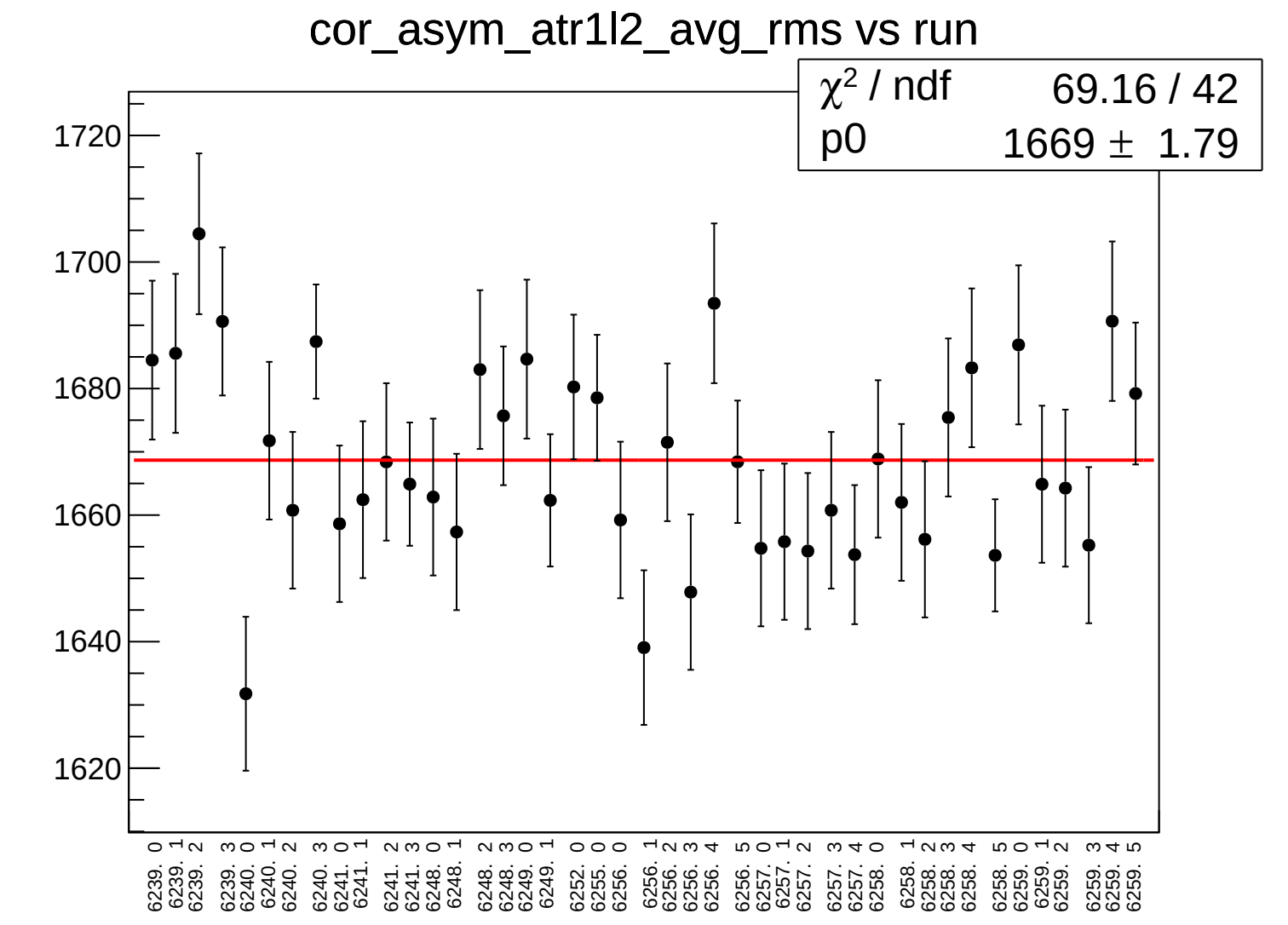

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 47.81 / 42
p0 −2759 ± 4315
100
80
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.98
Std Dev 0
2
1
0
−1
−2

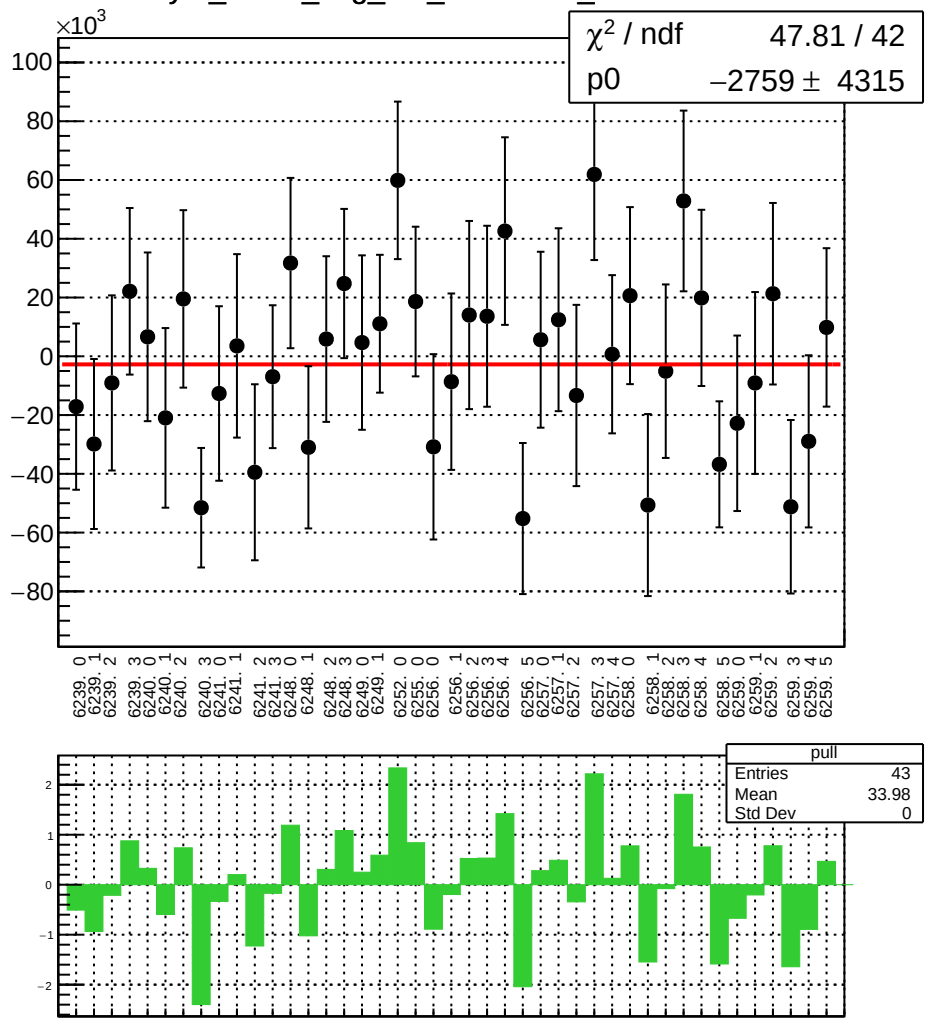

pull1D
Entries 43
Mean 0.03321
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

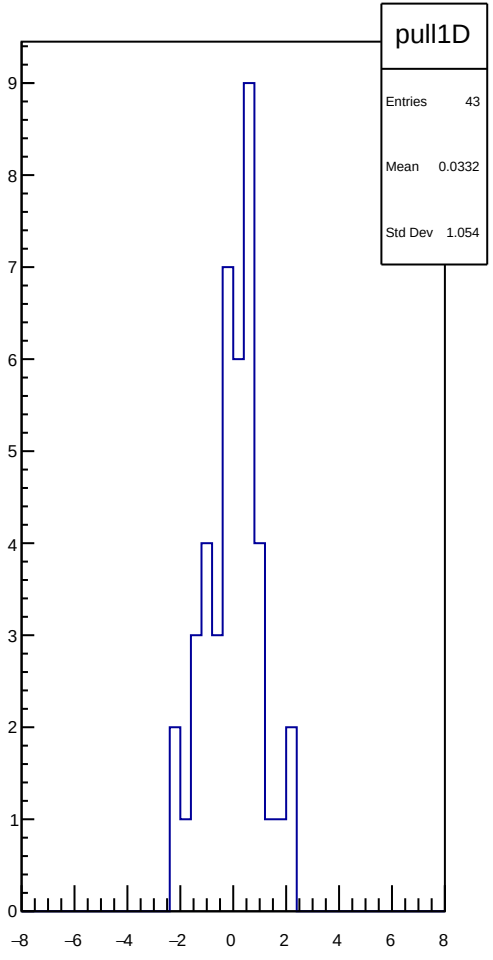

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1444 / 42
p0 2843 ± 3.051
3200
3100
3000
2900
2800
2700
2600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_atr1l2_avg_mean vs run
χ² / ndf 47.65 / 42
p0 3151 ± 2531
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.02202
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1l2_avg_rms vs run
χ² / ndf 69.16 / 42
p0 1669 ± 1.79
1720
1700
1680
1660
1640
1620
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 47.81 / 42
p0 −2759 ± 4315
100
80
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.98
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.0332
Std Dev 1.054
9
8
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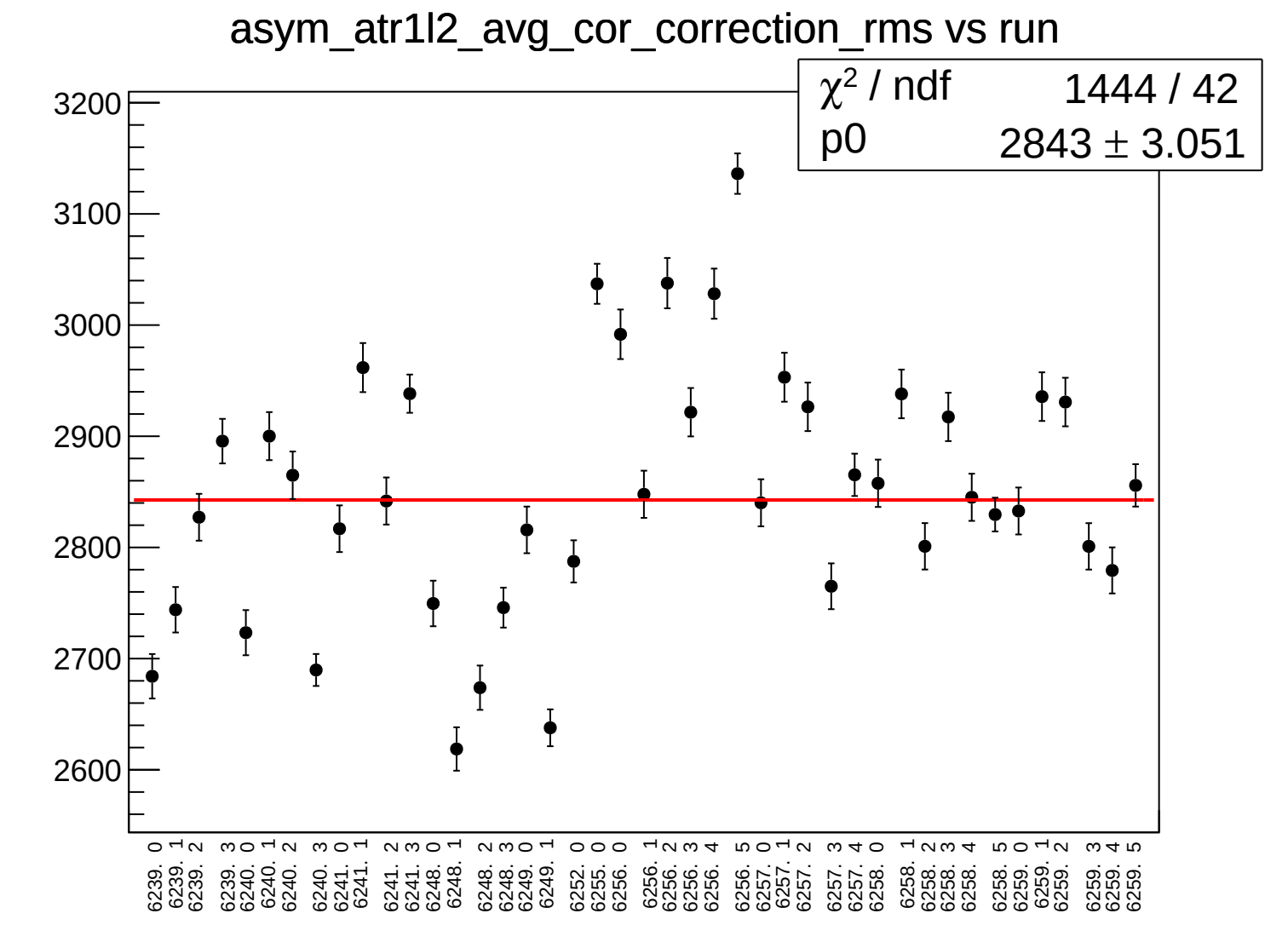
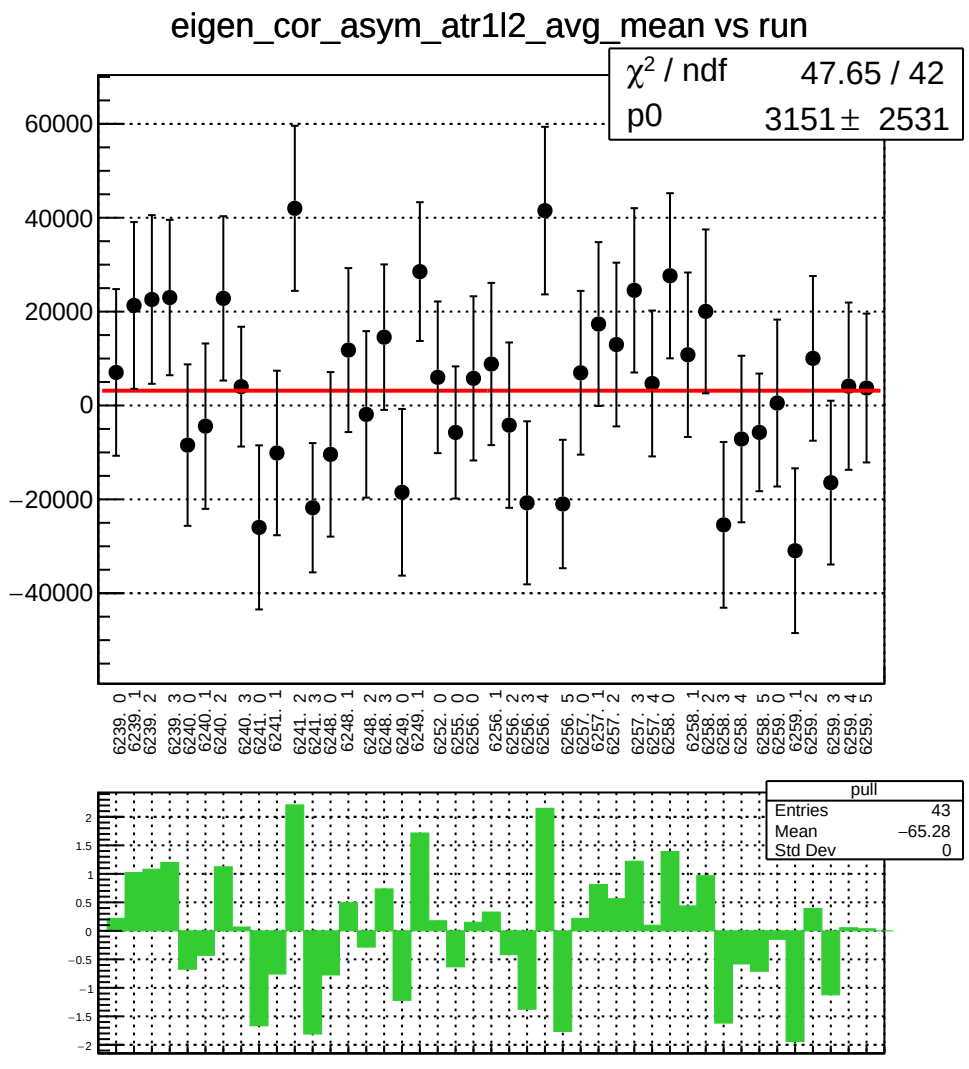
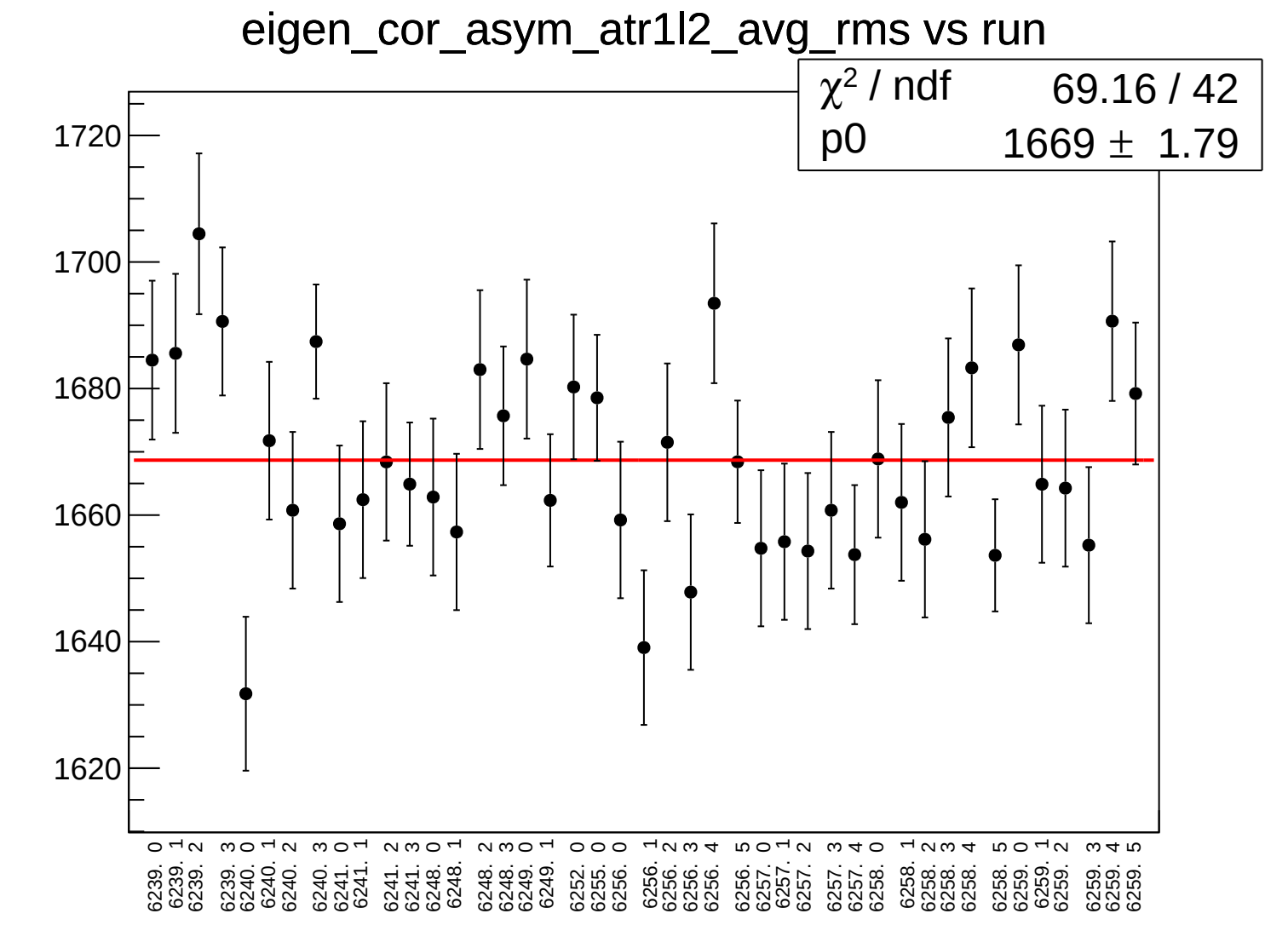
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1444 / 42
p0 2843 ± 3.051
3200
3100
3000
2900
2800
2700
2600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 47.65 / 42
p0 3151 ± 2531
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02202
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 69.16 / 42
p0 1669 ± 1.79
1720
1700
1680
1660
1640
1620
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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6259. 2
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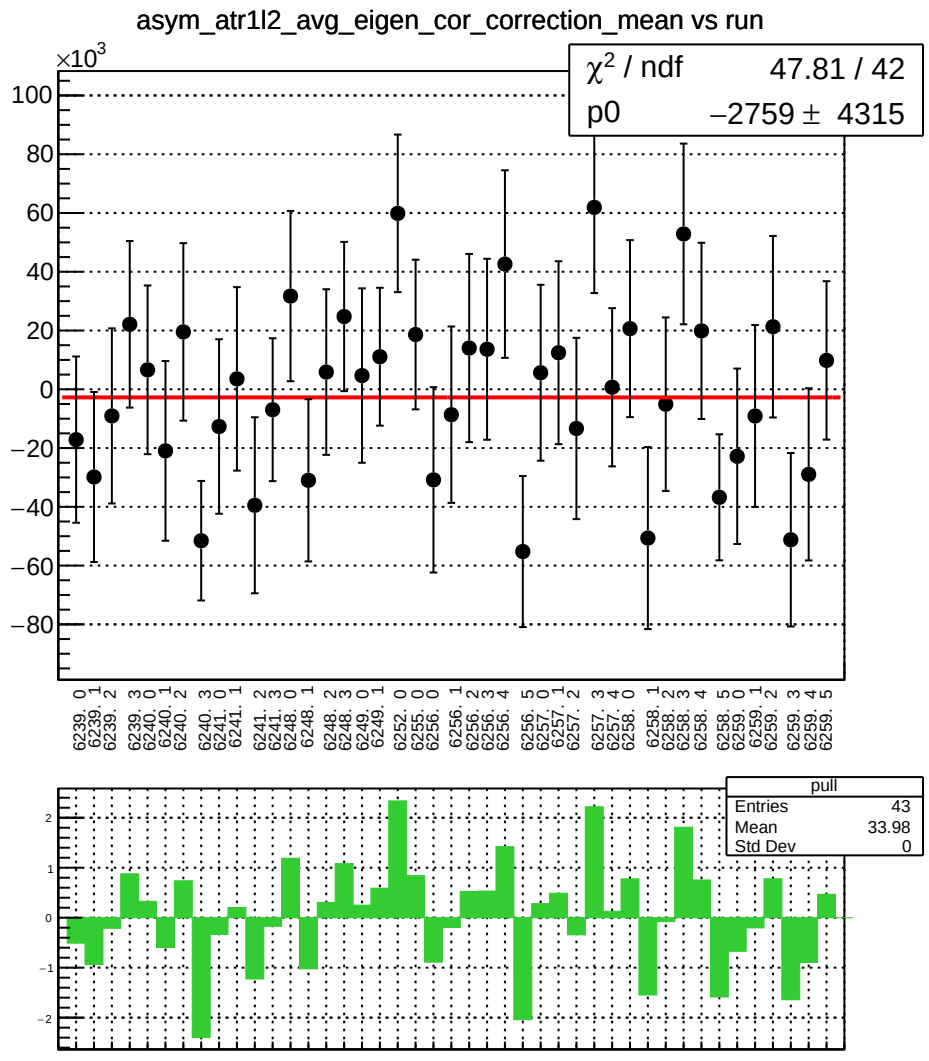
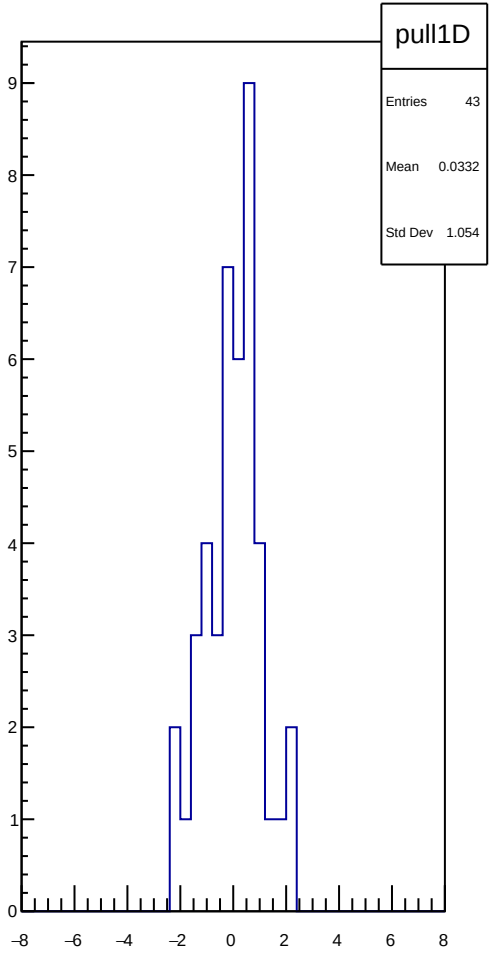
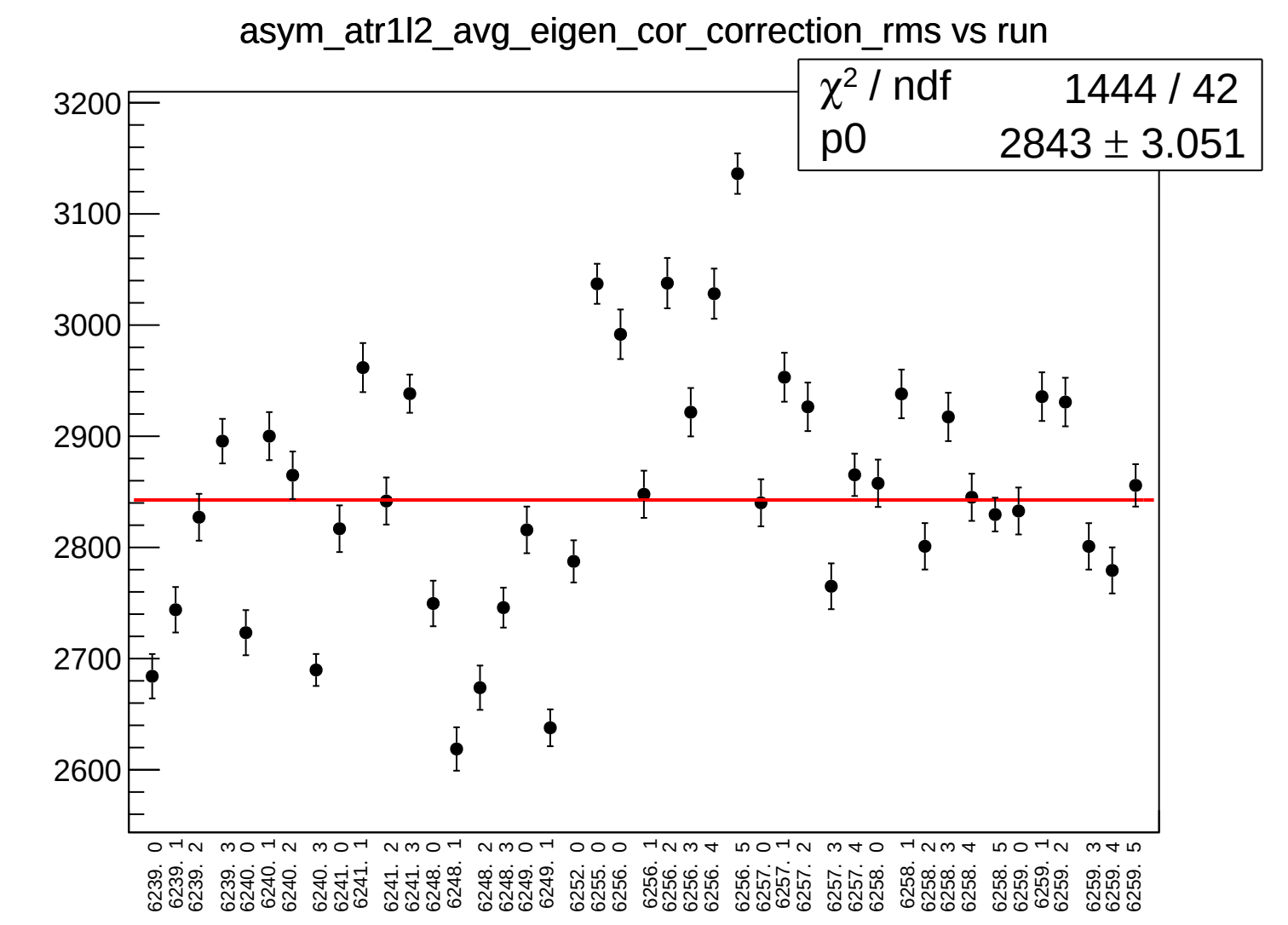
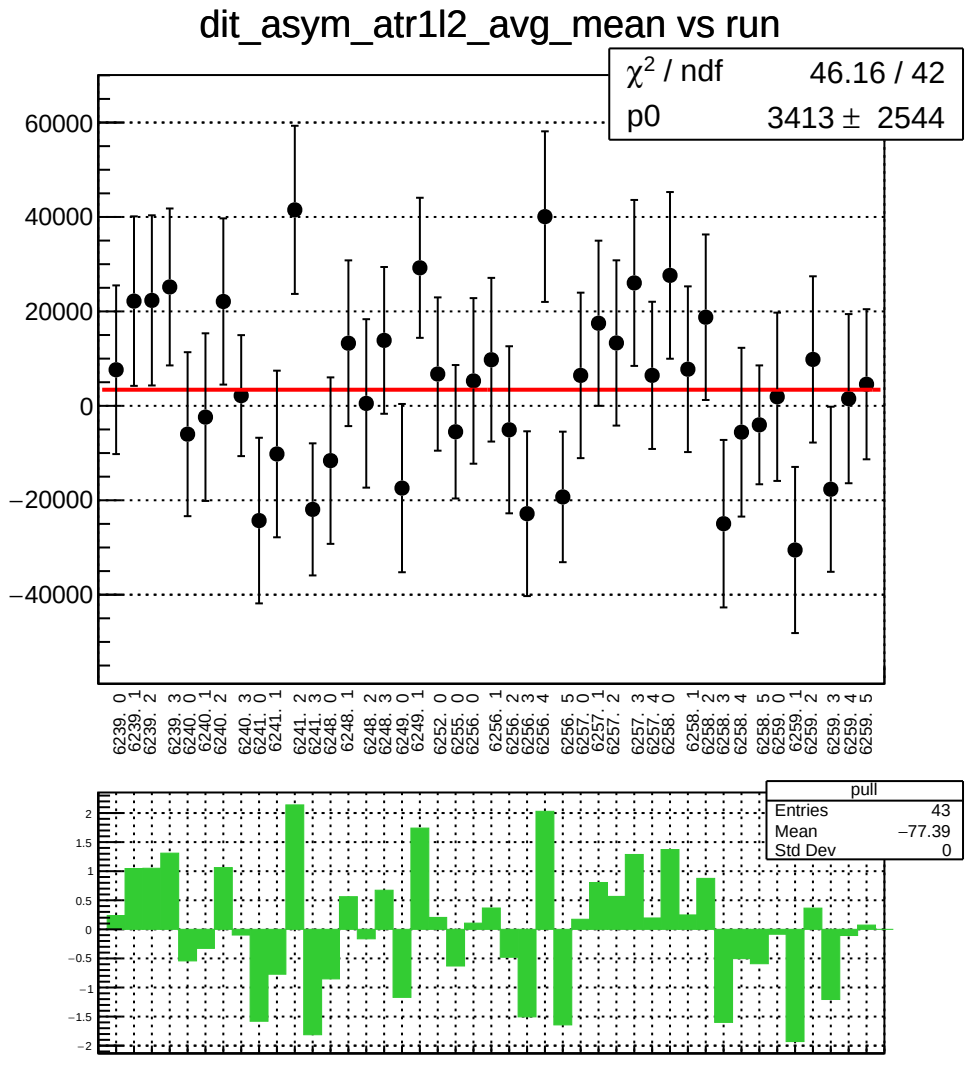
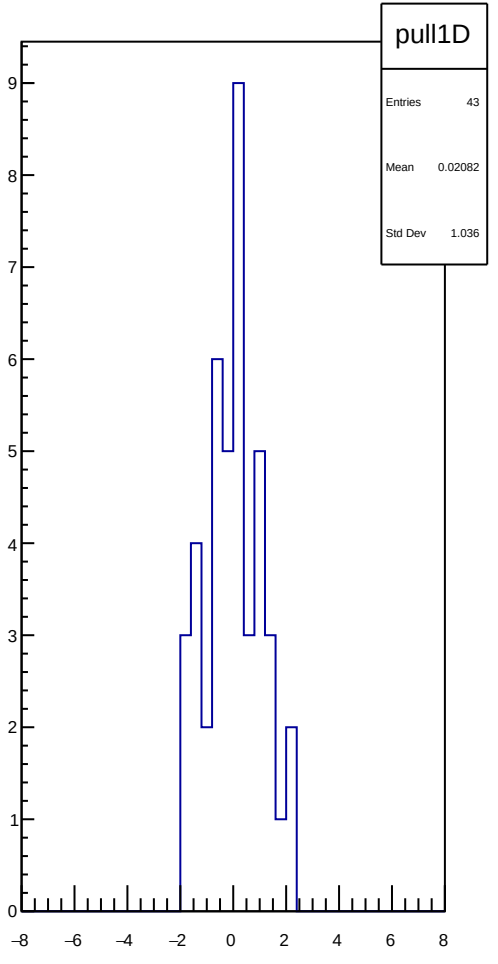
6259. 4
6259. 5

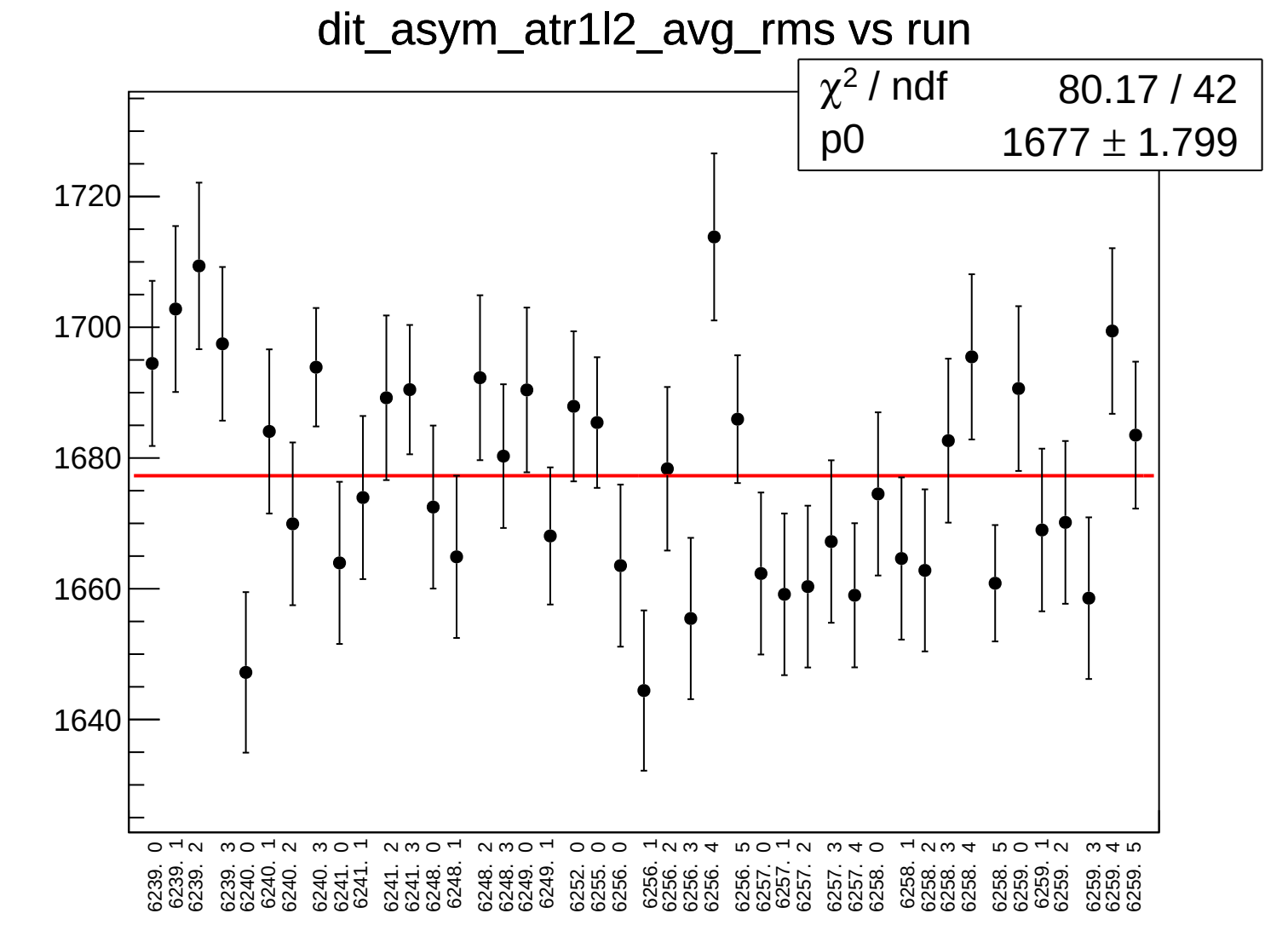

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 47.81 / 42
p0 −2759 ± 4315
100
80
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.98
Std Dev 0
2
1
0
−1
−2

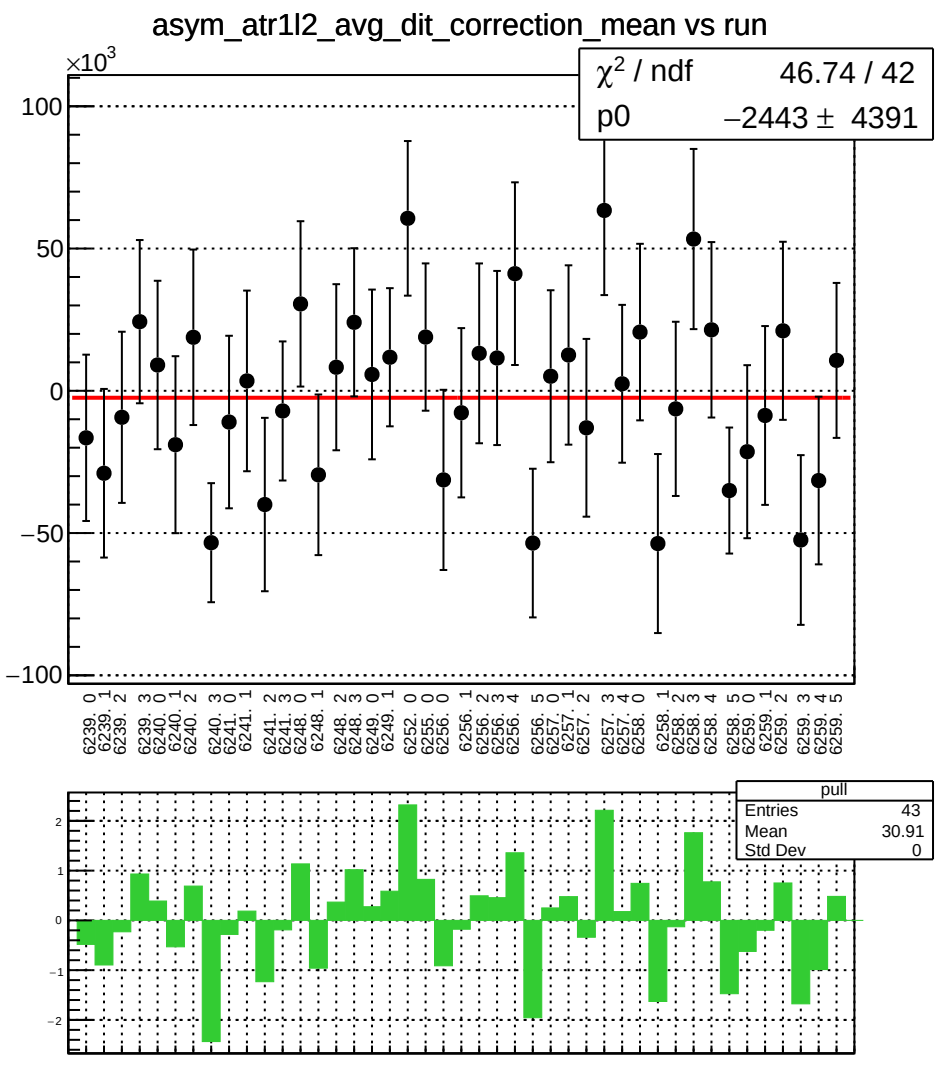

pull1D
Entries 43
Mean 0.0332
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

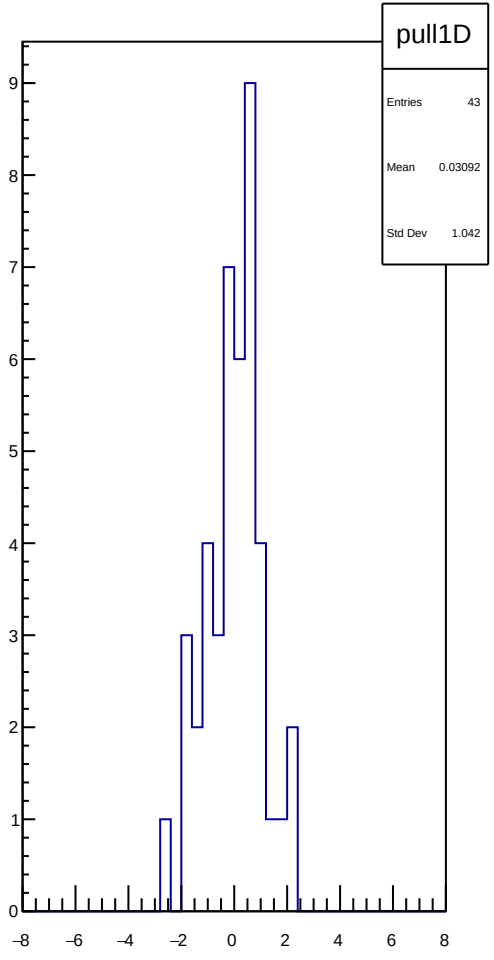

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1444 / 42
p0 2843 ± 3.051
3200
3100
3000
2900
2800
2700
2600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

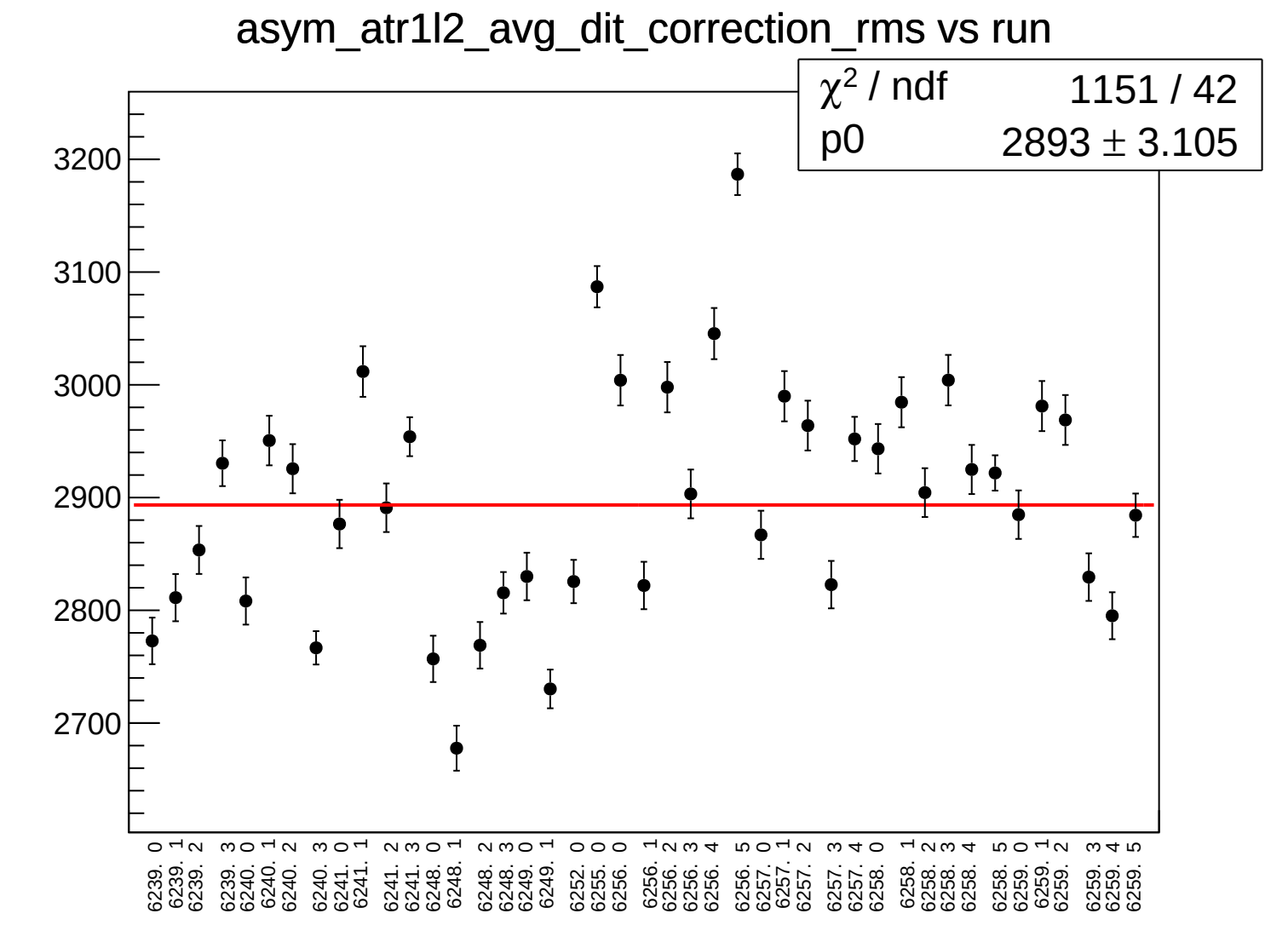

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 46.16 / 42
p0 3413 ± 2544
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −77.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

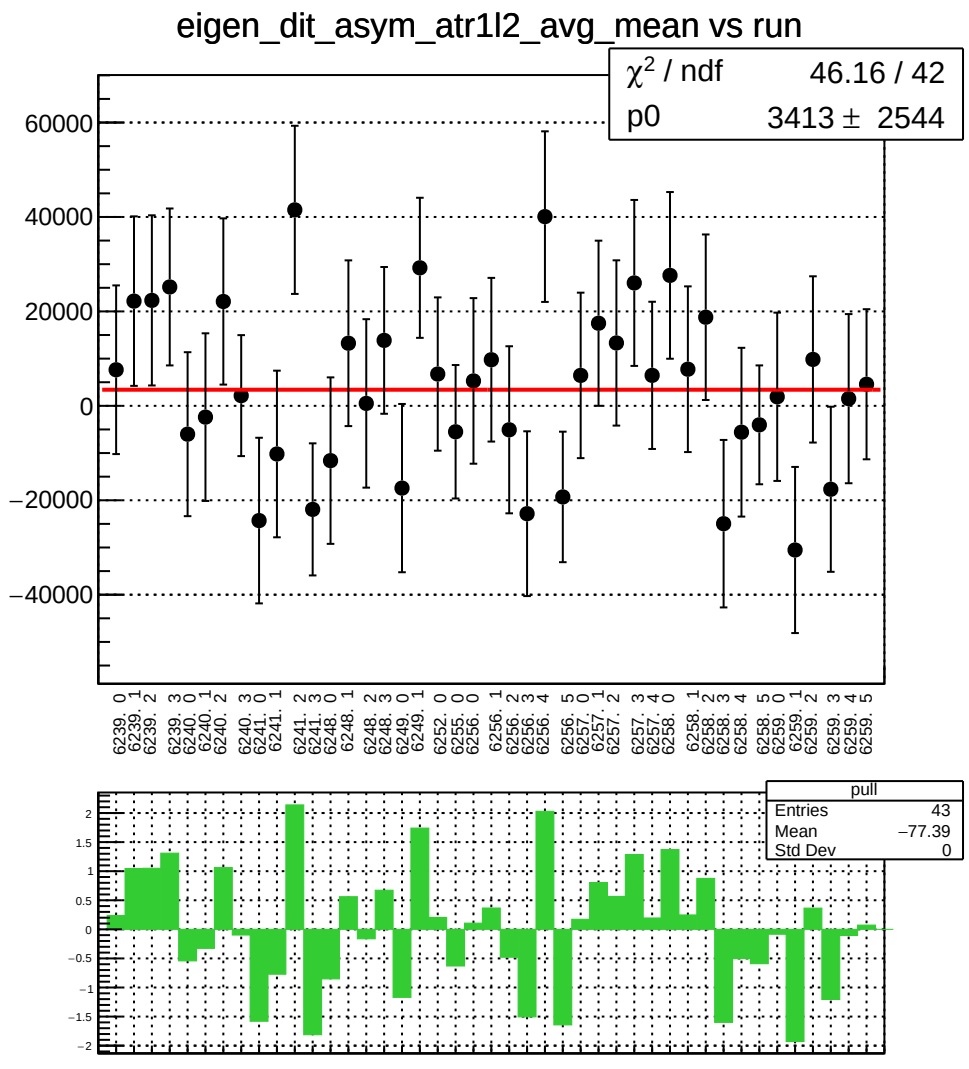

pull1D
Entries 43
Mean 0.02082
Std Dev 1.036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

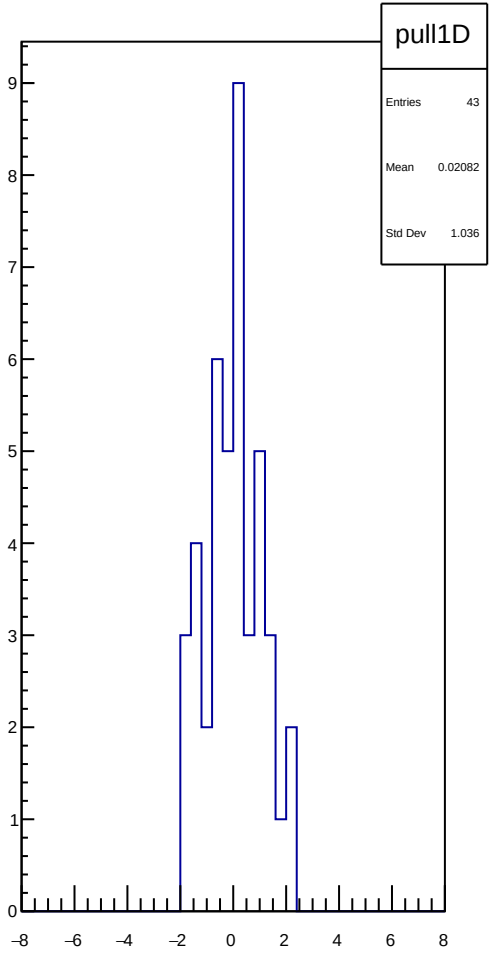

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 80.17 / 42
p0 1677 ± 1.799
1720
1700
1680
1660
1640
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

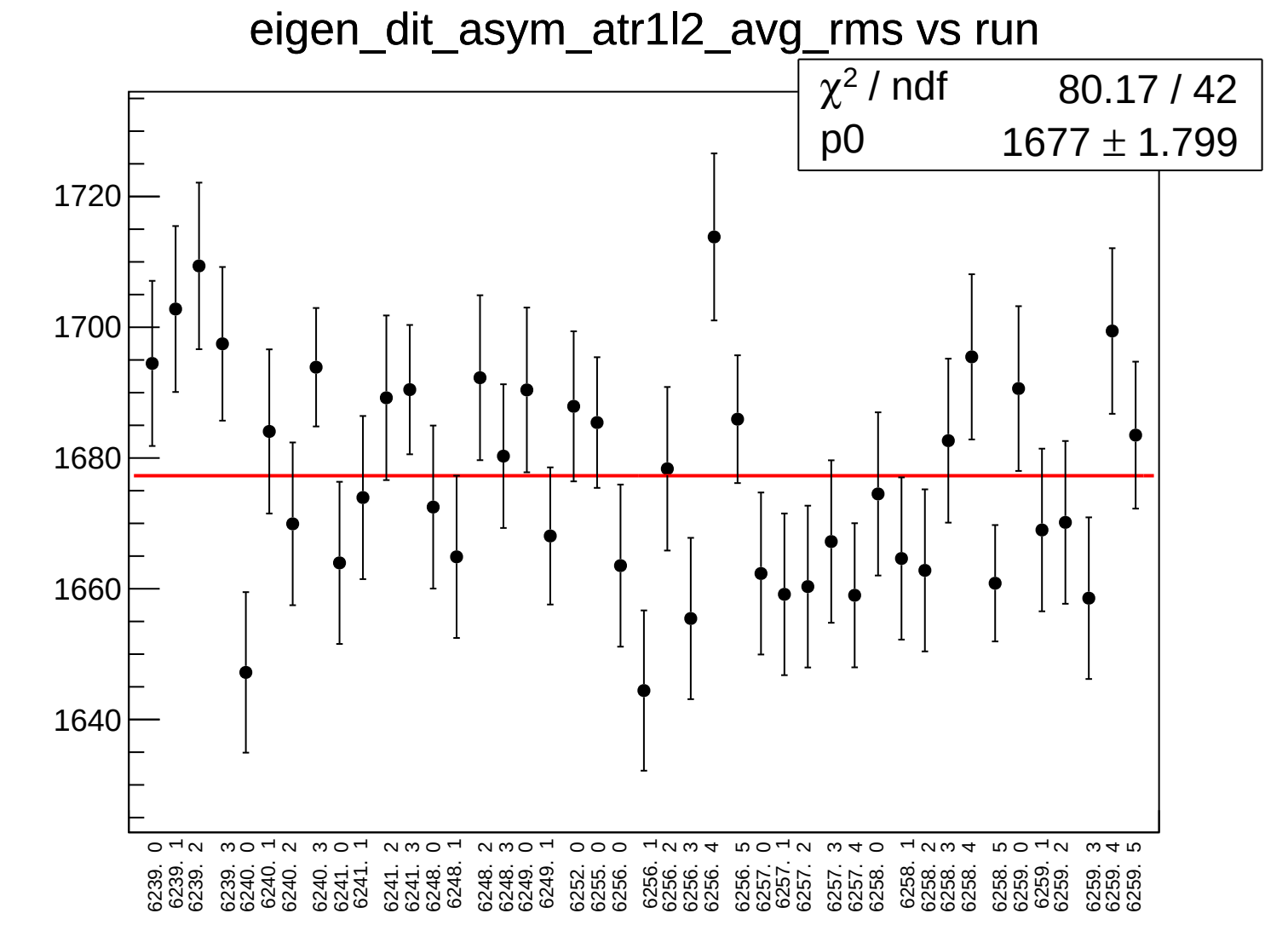

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 46.74 / 42
p0 −2443 ± 4391
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 30.91
Std Dev 0
2
1
0
−1
−2

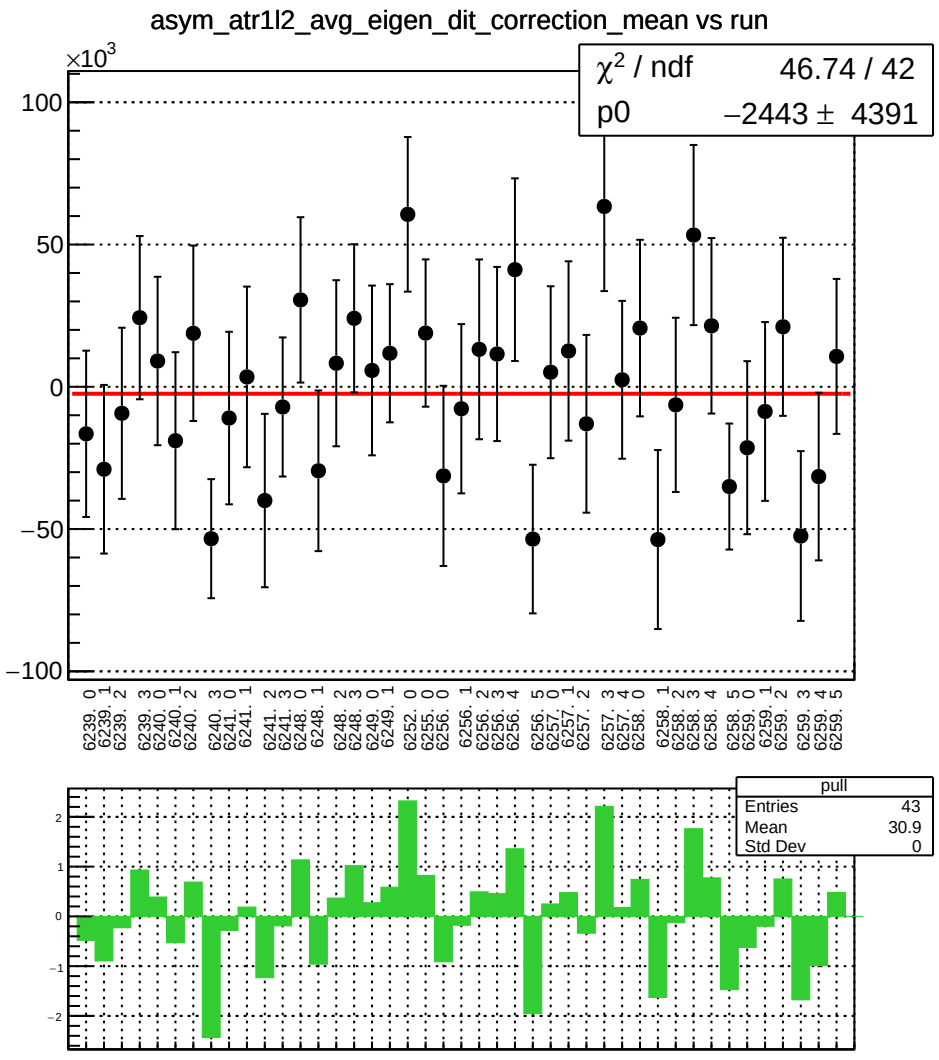

pull1D
Entries 43
Mean 0.03092
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

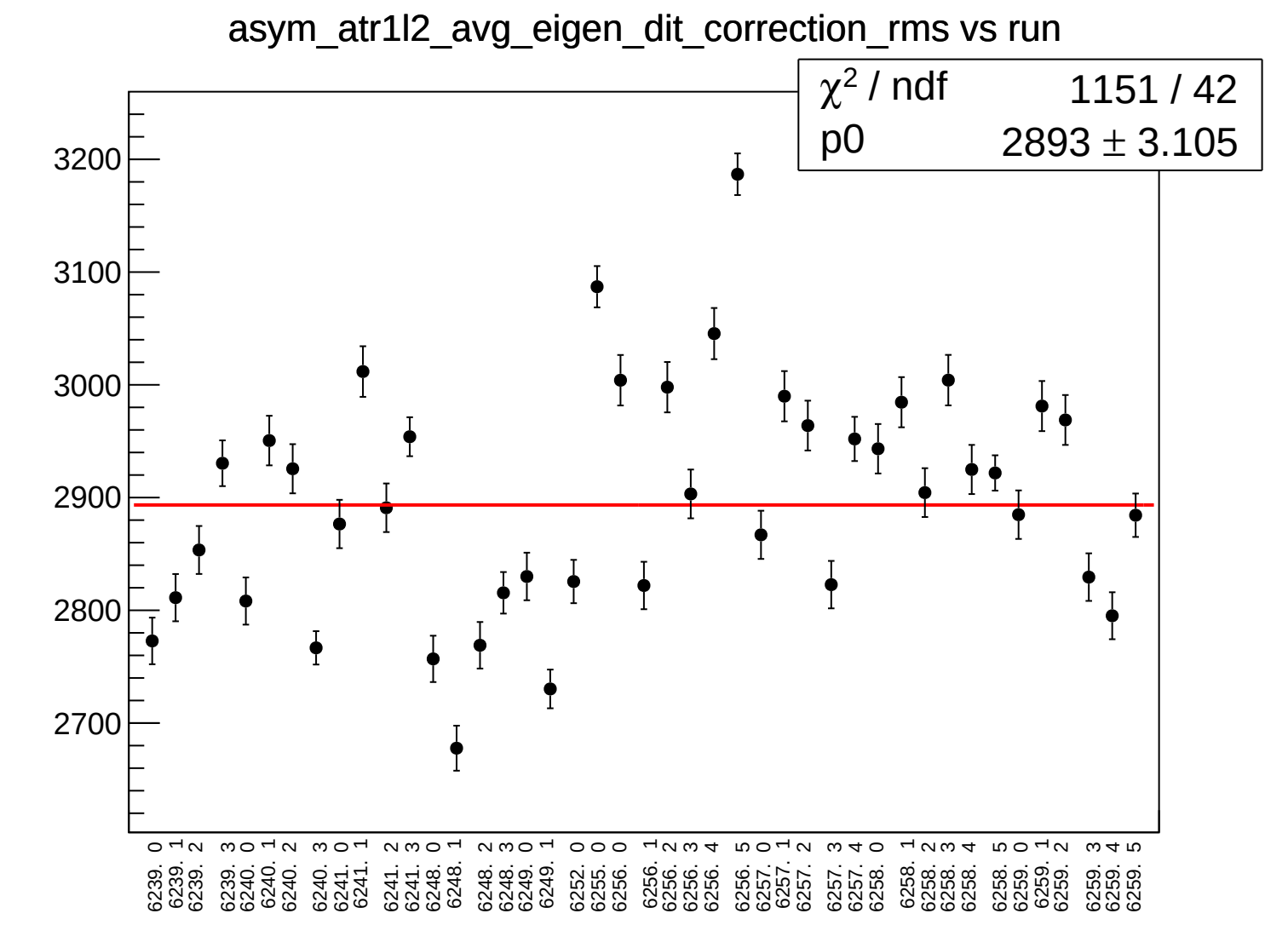

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 1151 / 42
p0 2893 ± 3.105
3200
3100
3000
2900
2800
2700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

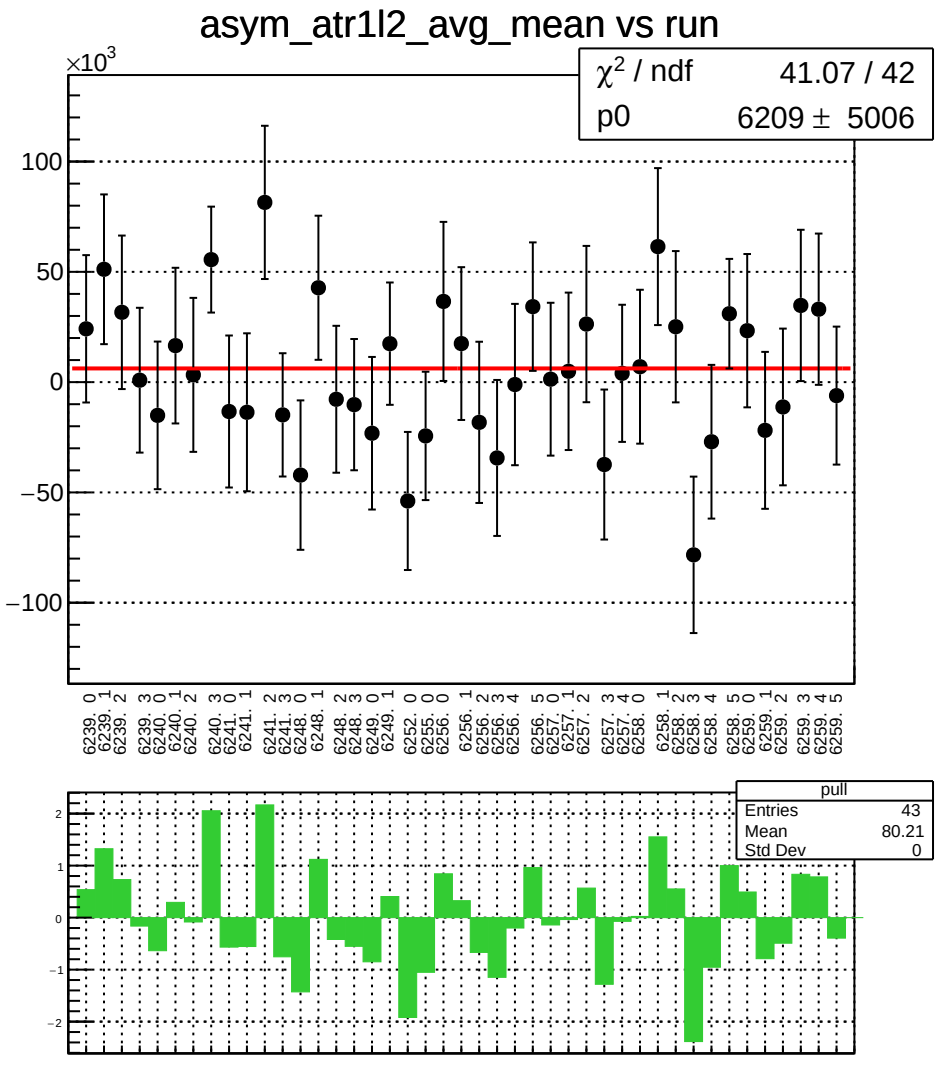

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 46.16 / 42
p0 3413 ± 2544
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −77.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

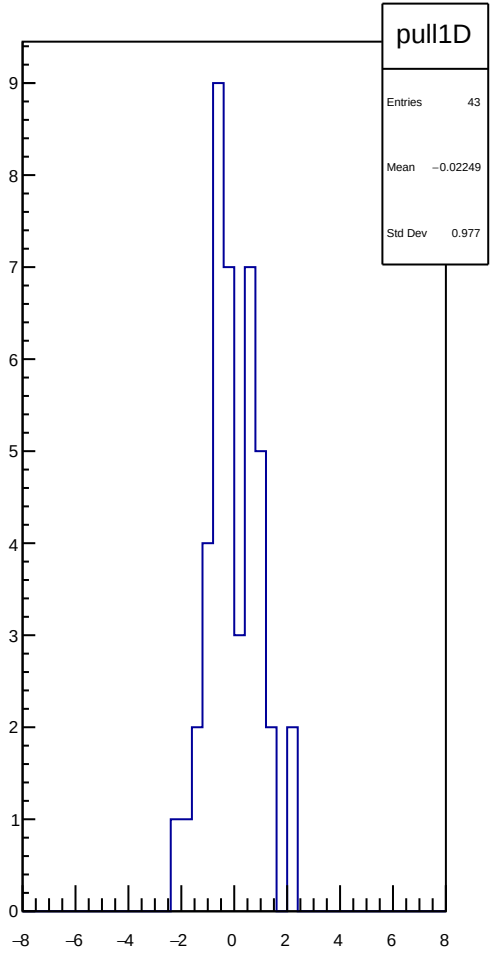

pull1D
Entries 43
Mean 0.02082
Std Dev 1.036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

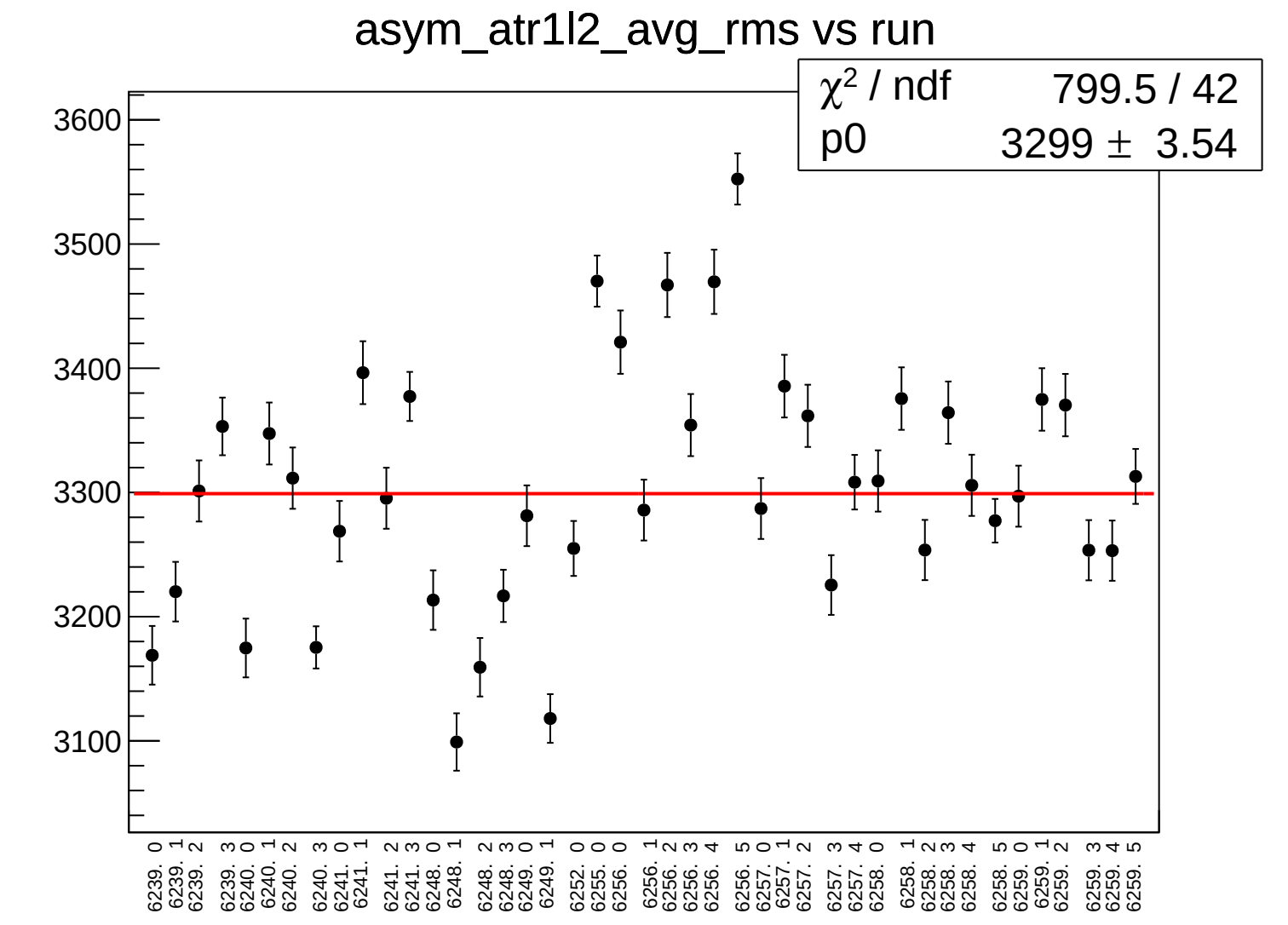

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 80.17 / 42
p0 1677 ± 1.799
1720
1700
1680
1660
1640
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

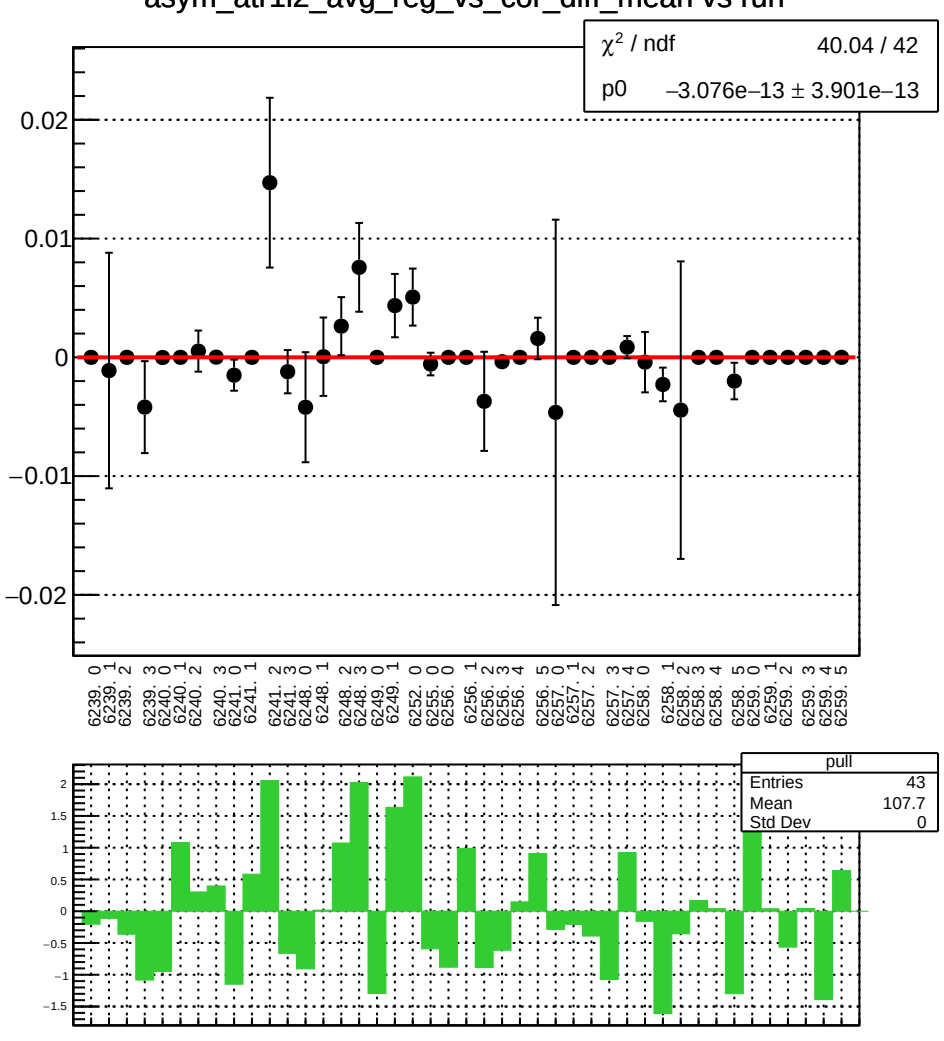

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 46.74 / 42
p0 −2443 ± 4391
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 30.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03092
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

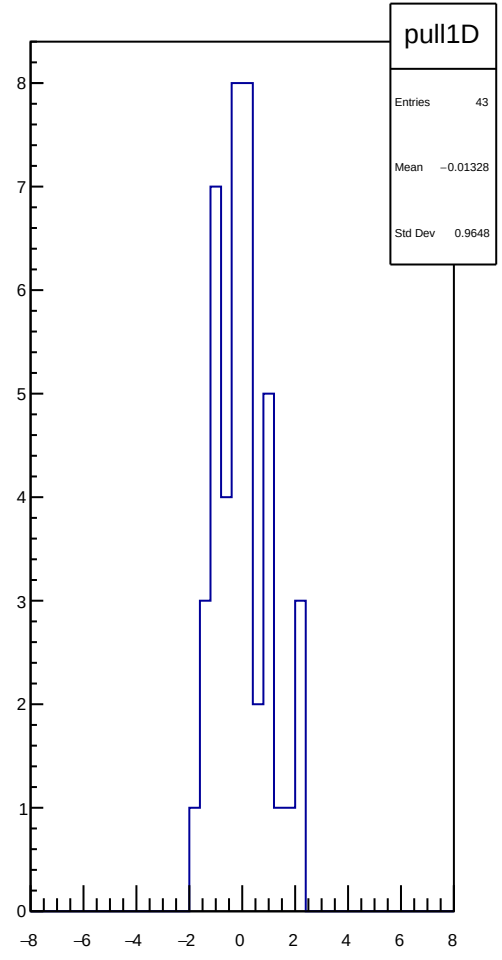

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1151 / 42
p0 2893 ± 3.105
3200
3100
3000
2900
2800
2700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

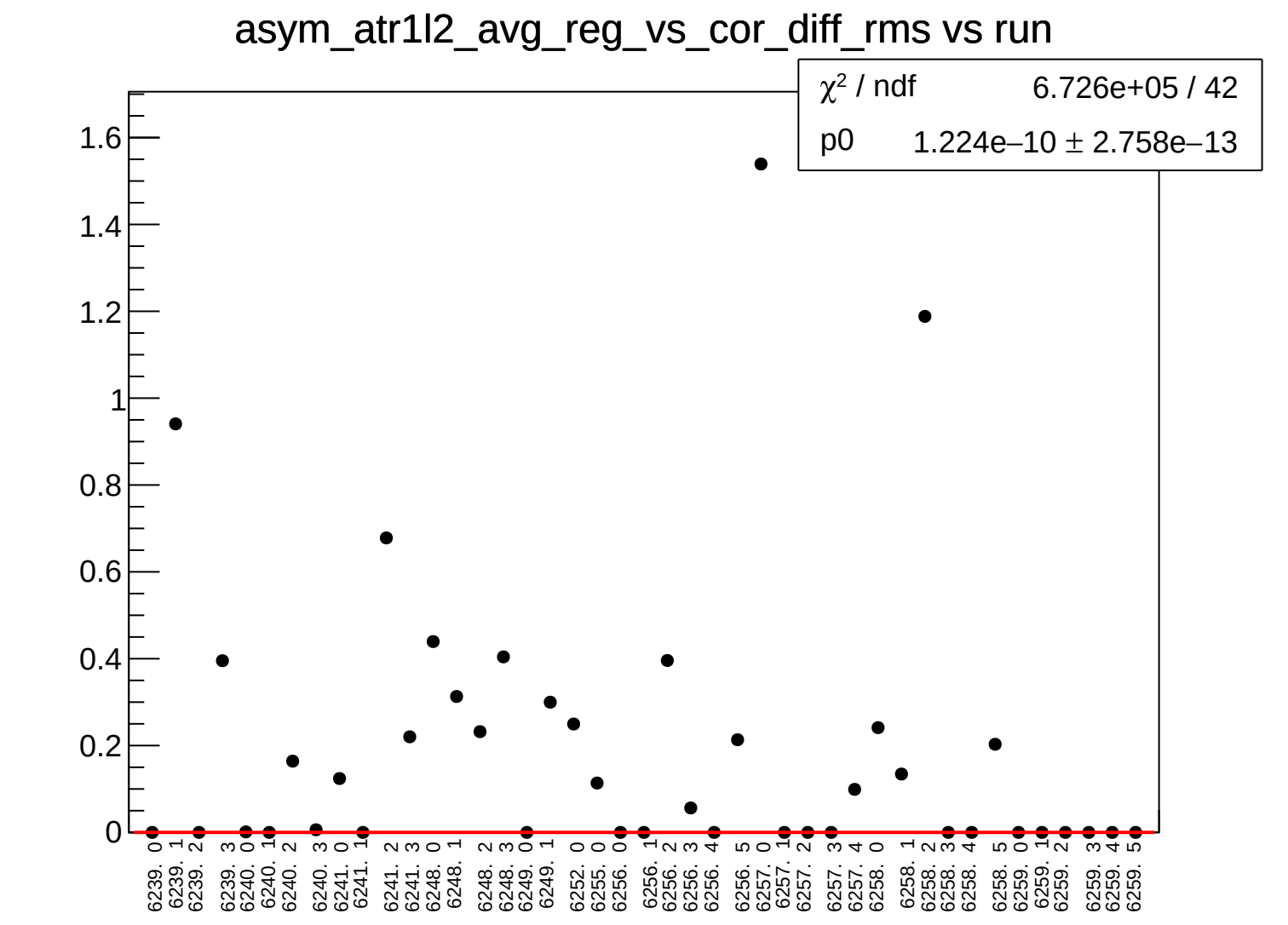

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 41.07 / 42
p0 6209 ± 5006
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 80.21
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.02249
Std Dev 0.977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

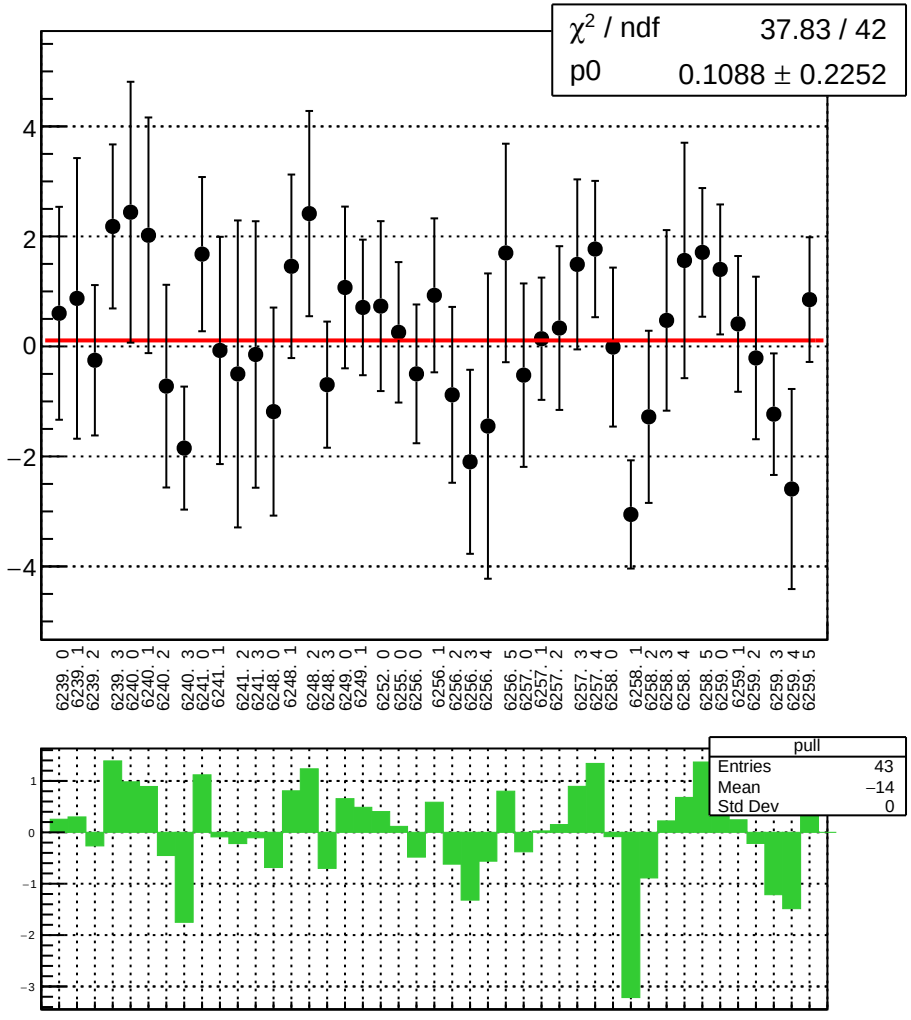

asym_atr1l2_avg_rms vs run
χ² / ndf 799.5 / 42
p0 3299 ± 3.54
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

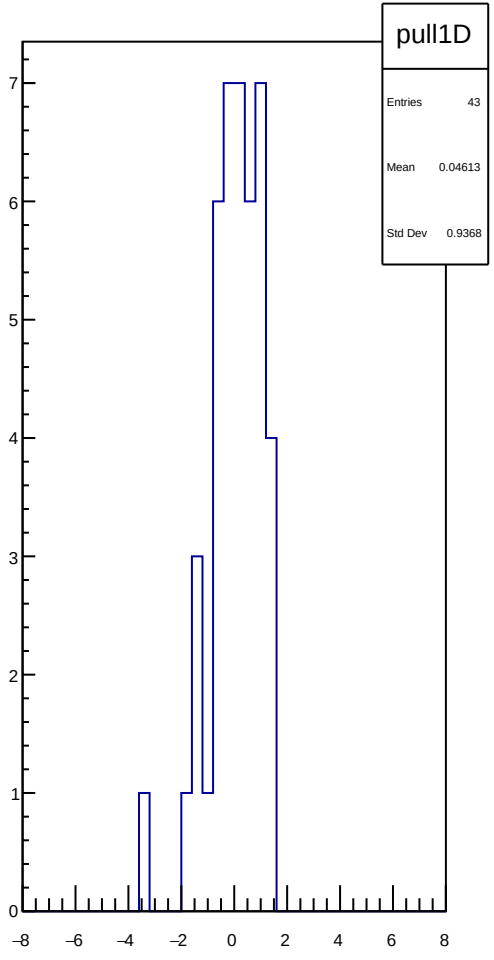

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.04 / 42
p0 −3.076e−13 ± 3.901e−13
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

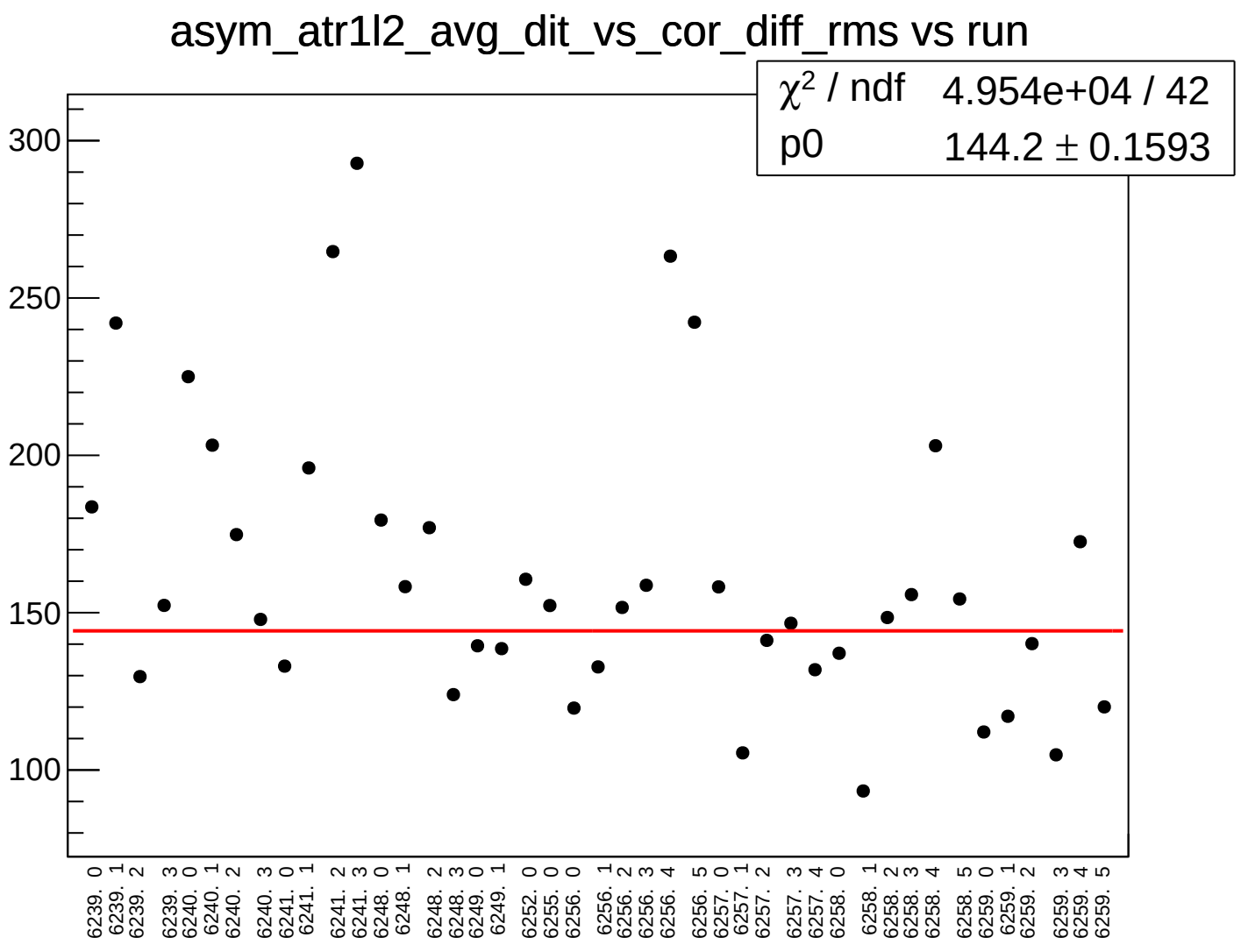

pull1D
Entries 43
Mean −0.01328
Std Dev 0.9648
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

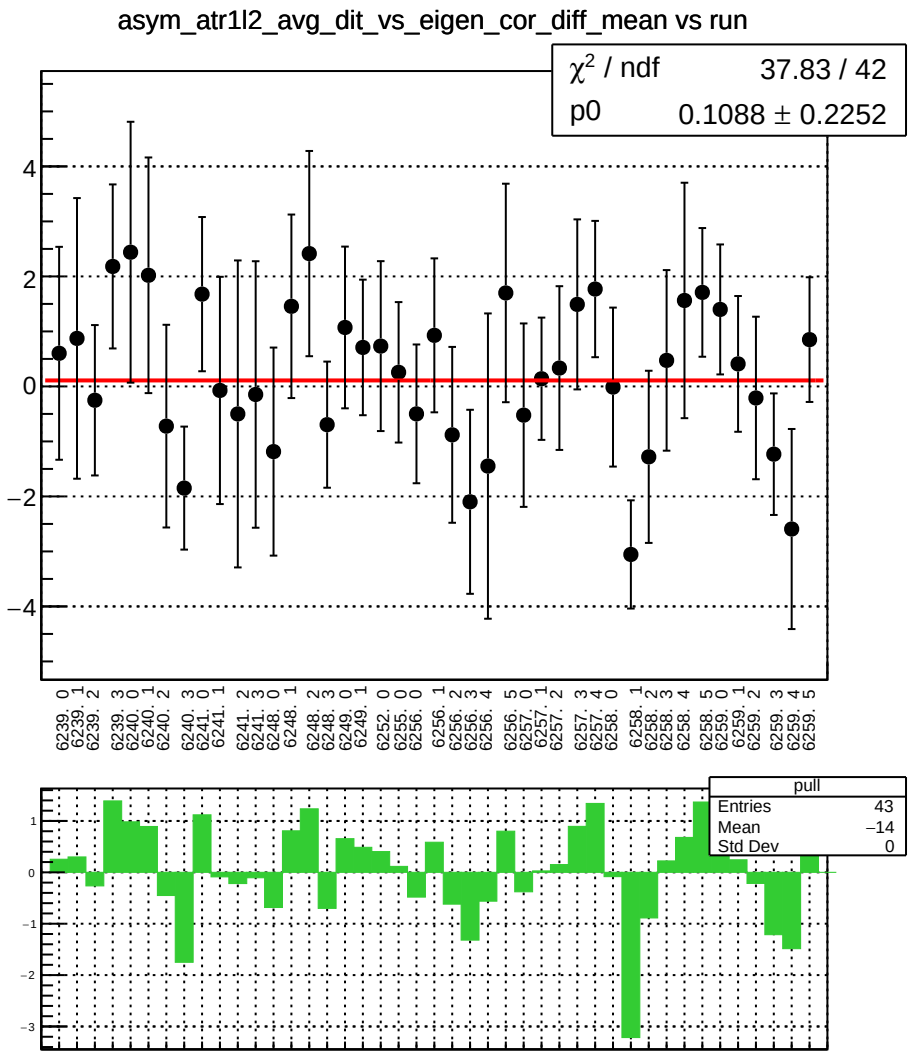

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.726e+05 / 42
p0 1.224e−10 ± 2.758e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

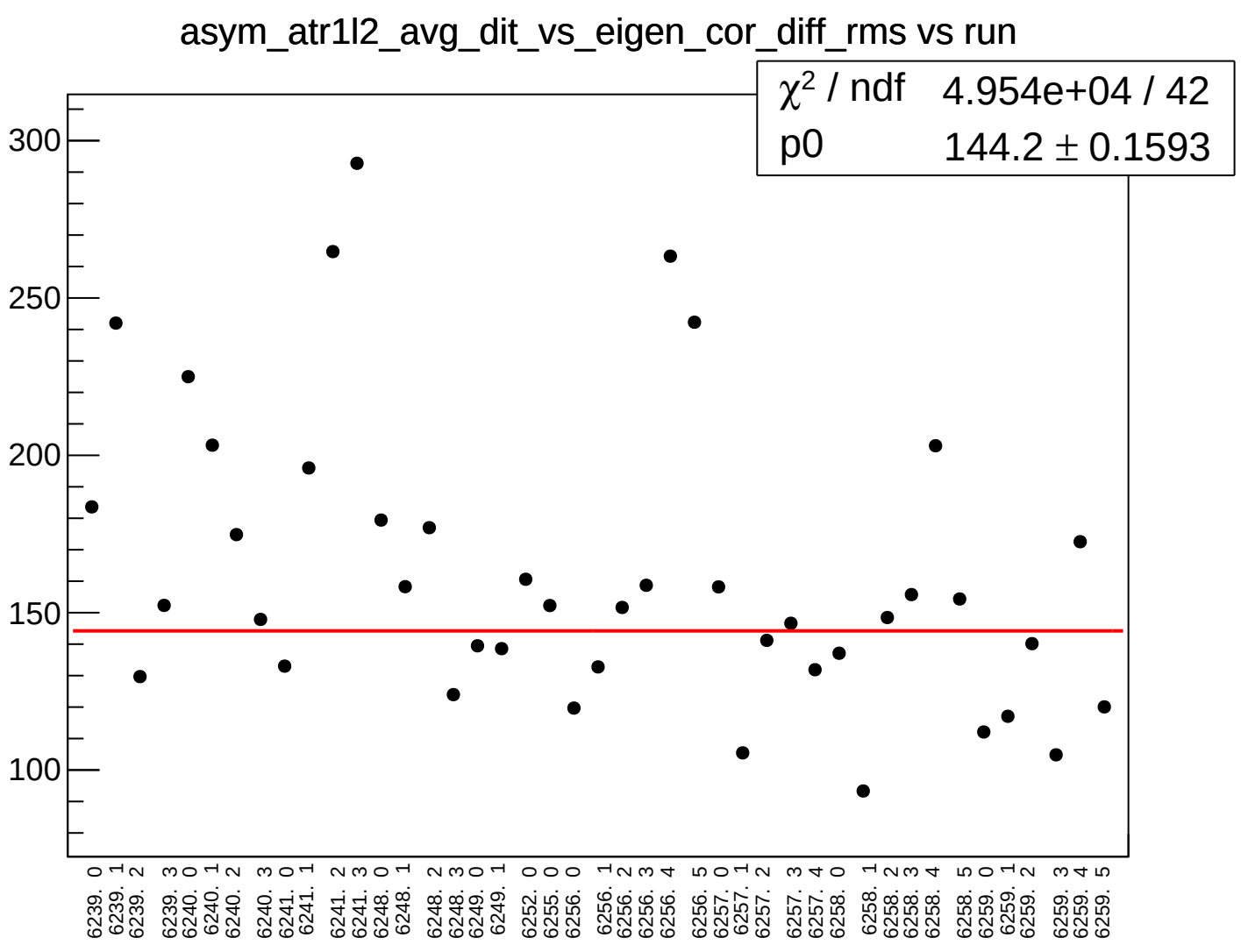
asym_atr1l2_avg_dit_vs_cor_diff_mean vs run

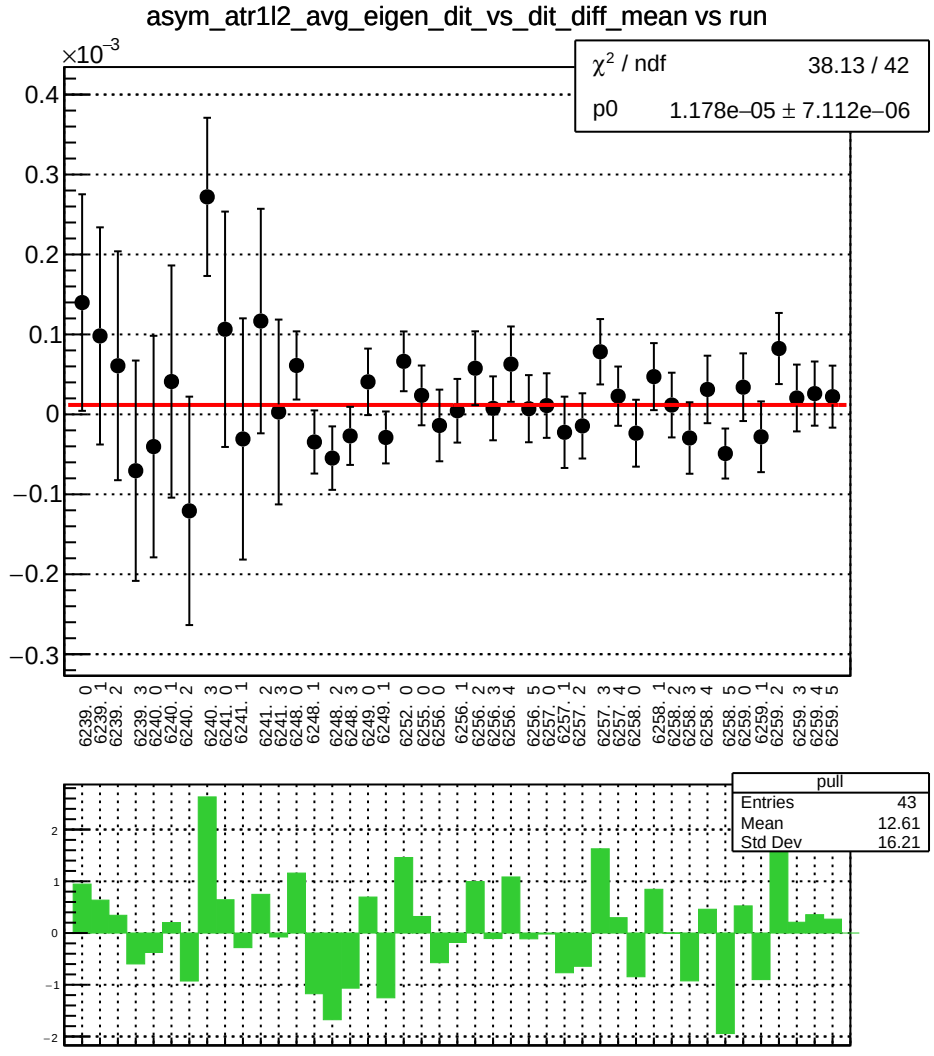


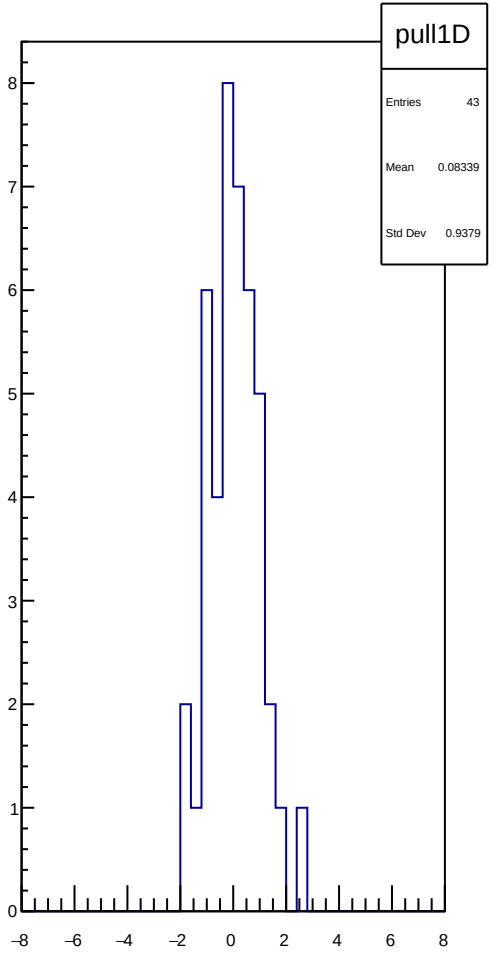



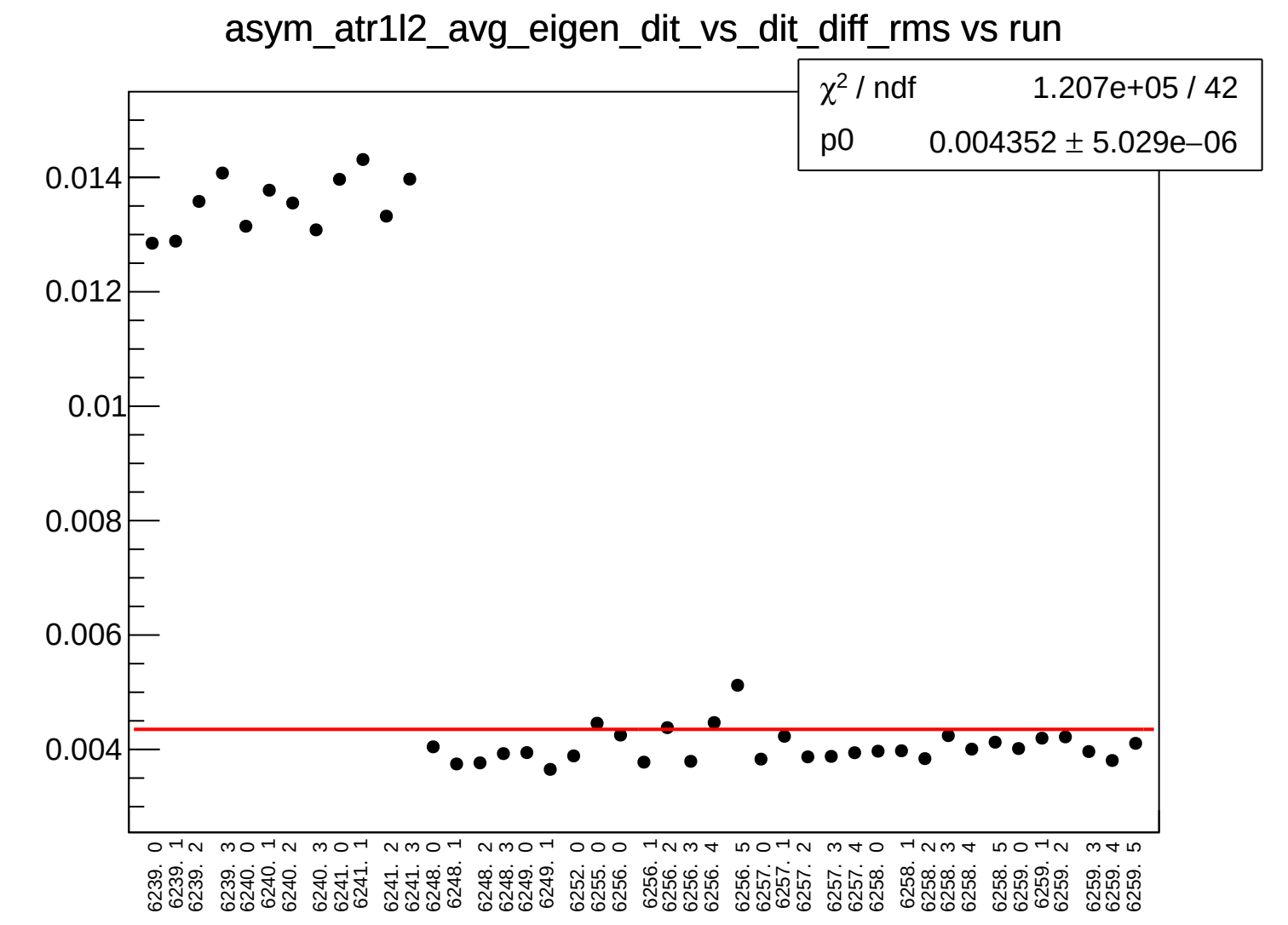

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.954e+04 / 42
p0 144.2 ± 0.1593
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.83 / 42
p0 0.1088 ± 0.2252
pull
Entries 43
Mean −14
Std Dev 0
pull1D
Entries 43
Mean 0.04613
Std Dev 0.9368

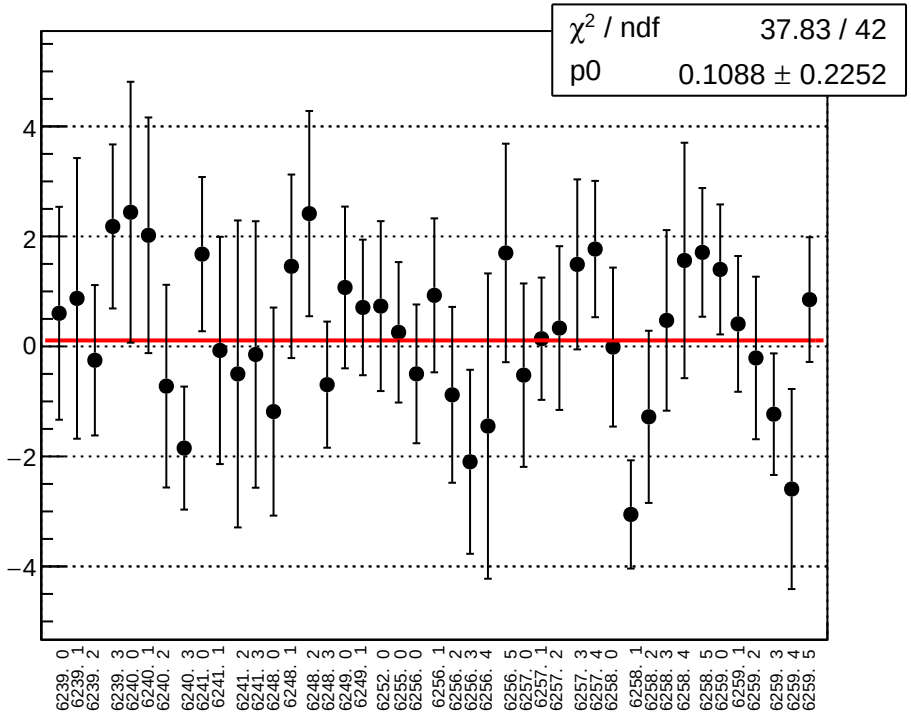

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.954e+04 / 42
p0 144.2 ± 0.1593
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

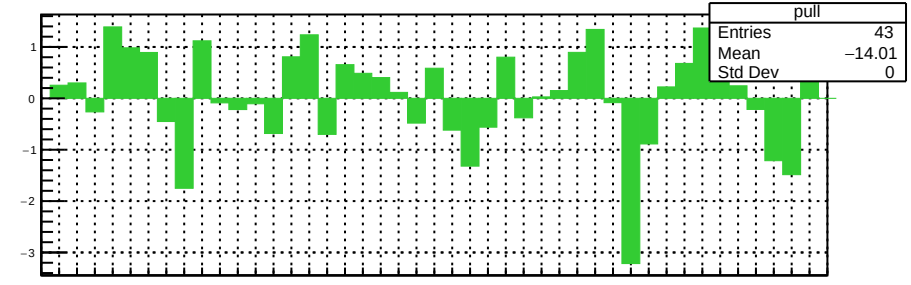

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.13 / 42
p0 1.178e−05 ± 7.112e−06
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.61
Std Dev 16.21
2
1
0
−1
−2

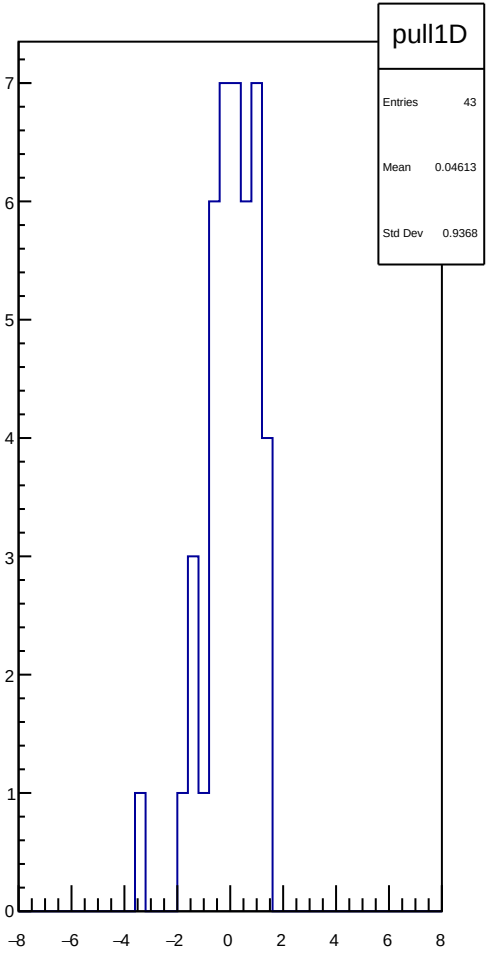

pull1D
Entries 43
Mean 0.08339
Std Dev 0.9379
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

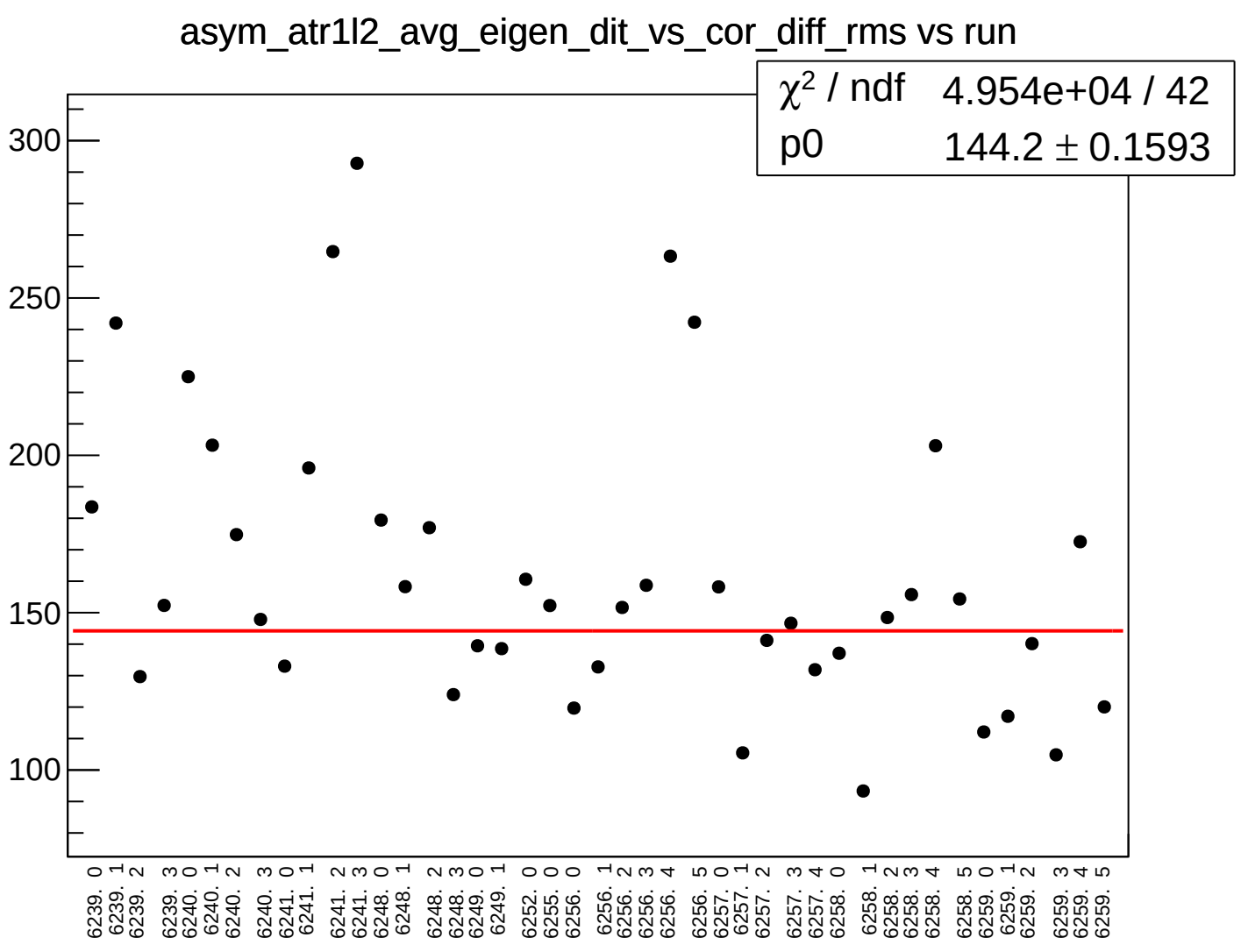

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.207e+05 / 42
p0 0.004352 ± 5.029e−06
0.014
0.012
0.01
0.008
0.006
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

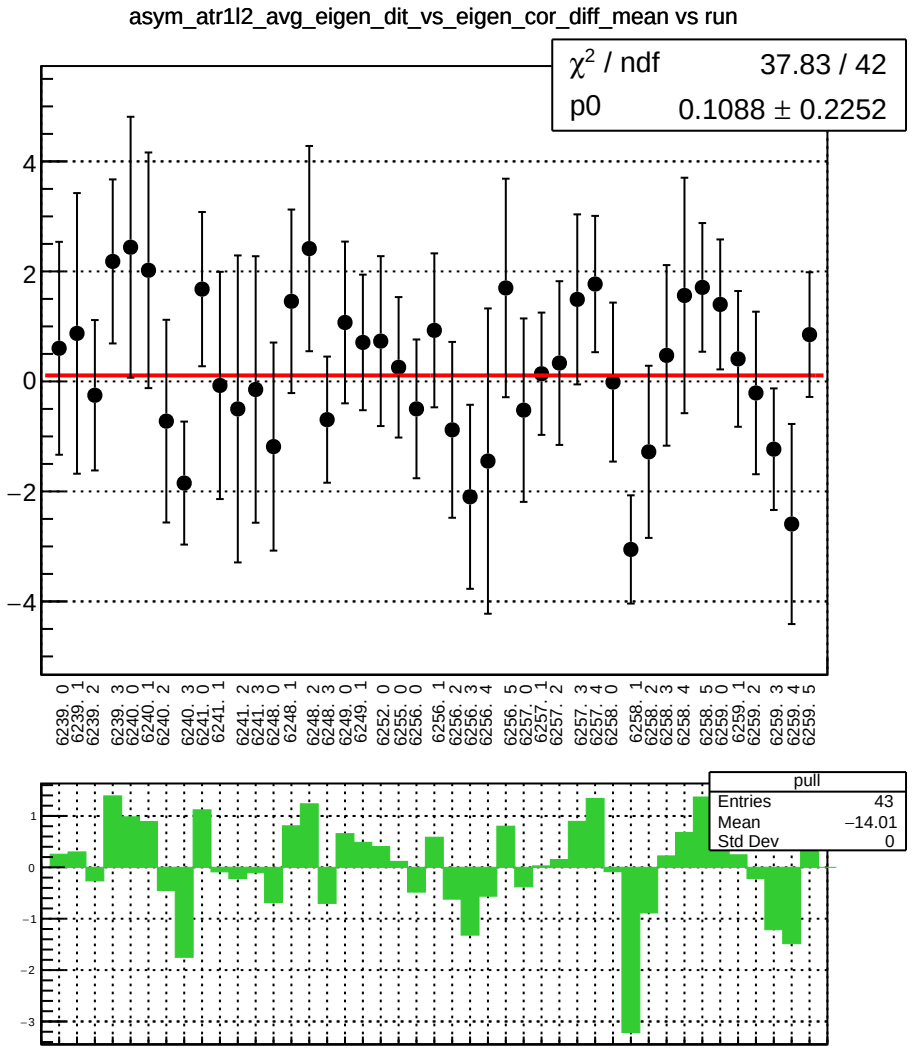
asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run

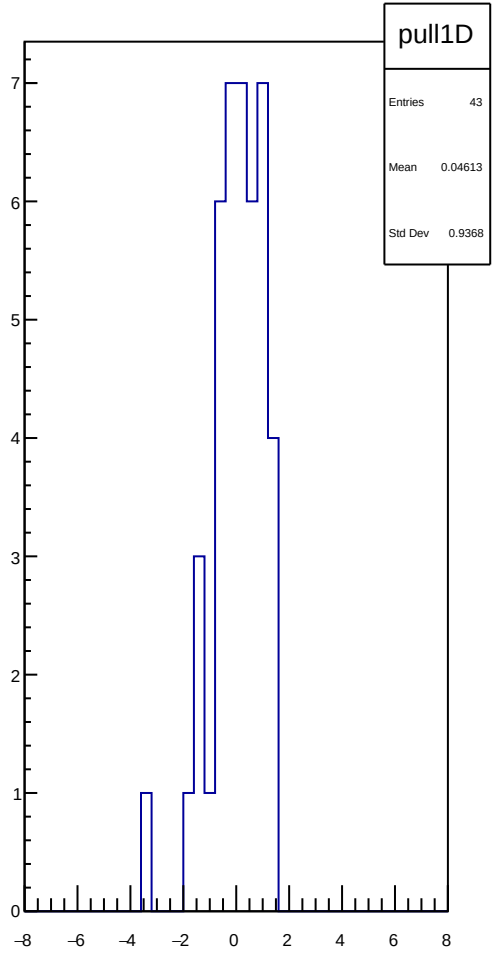


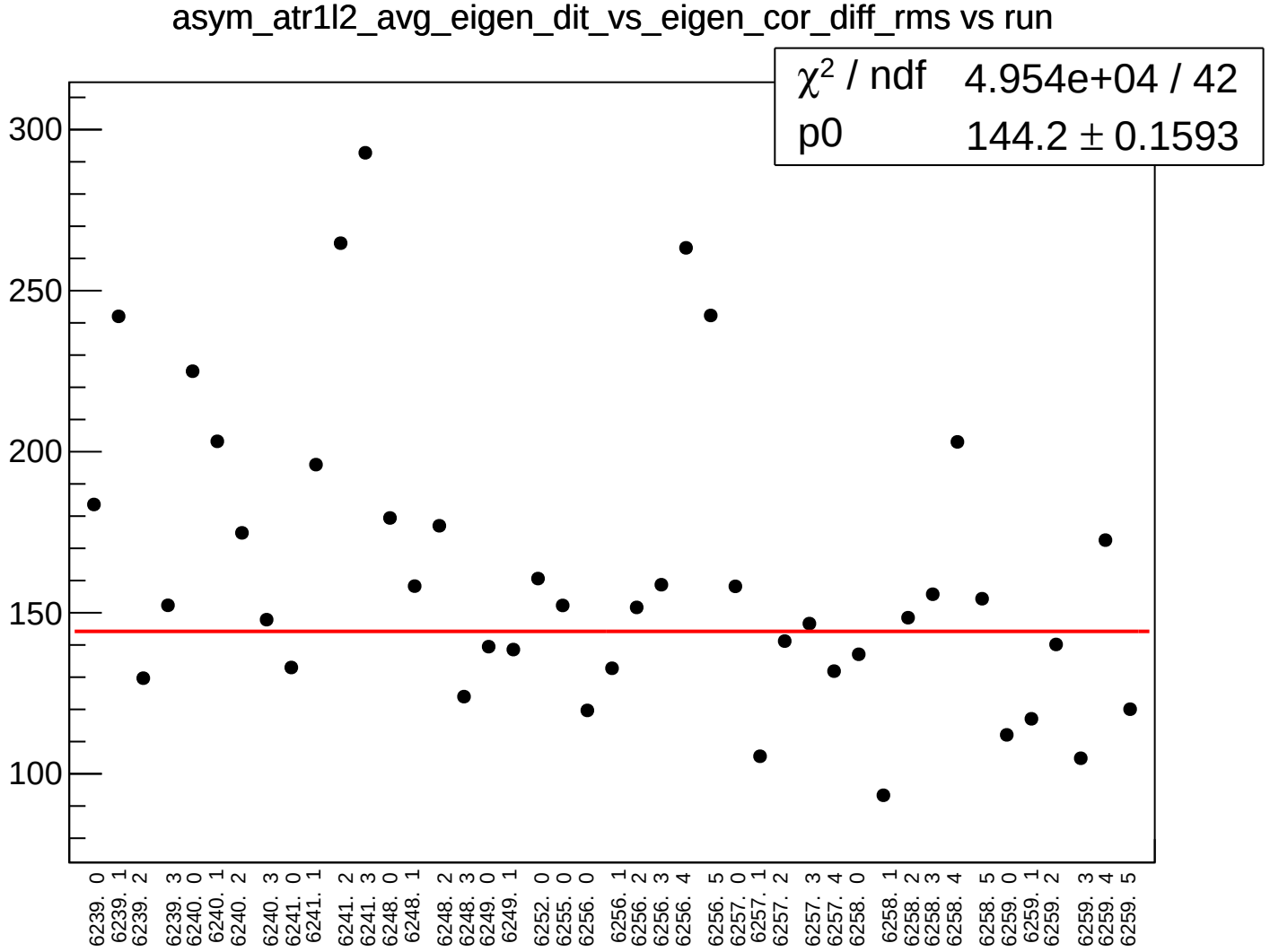



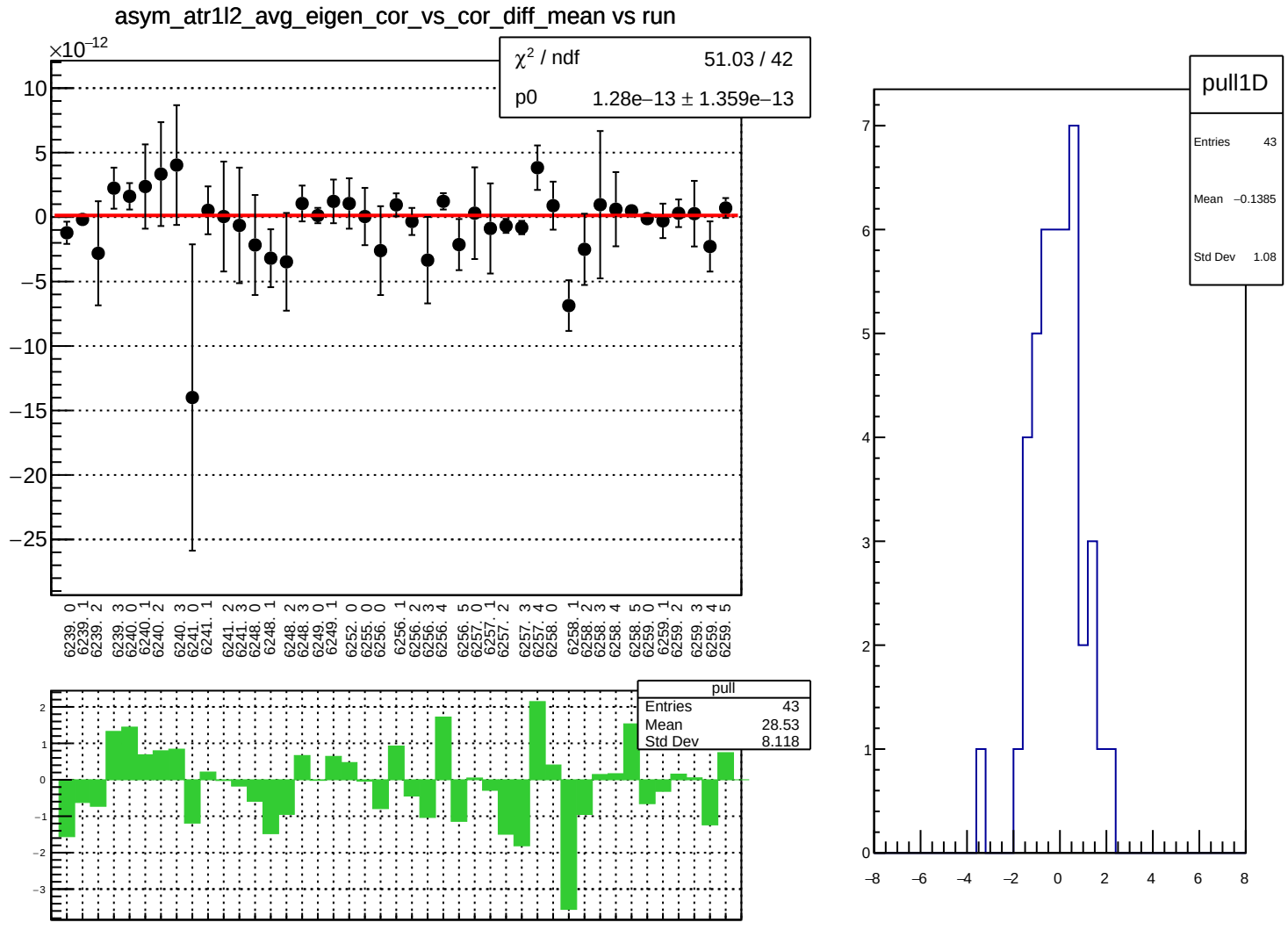



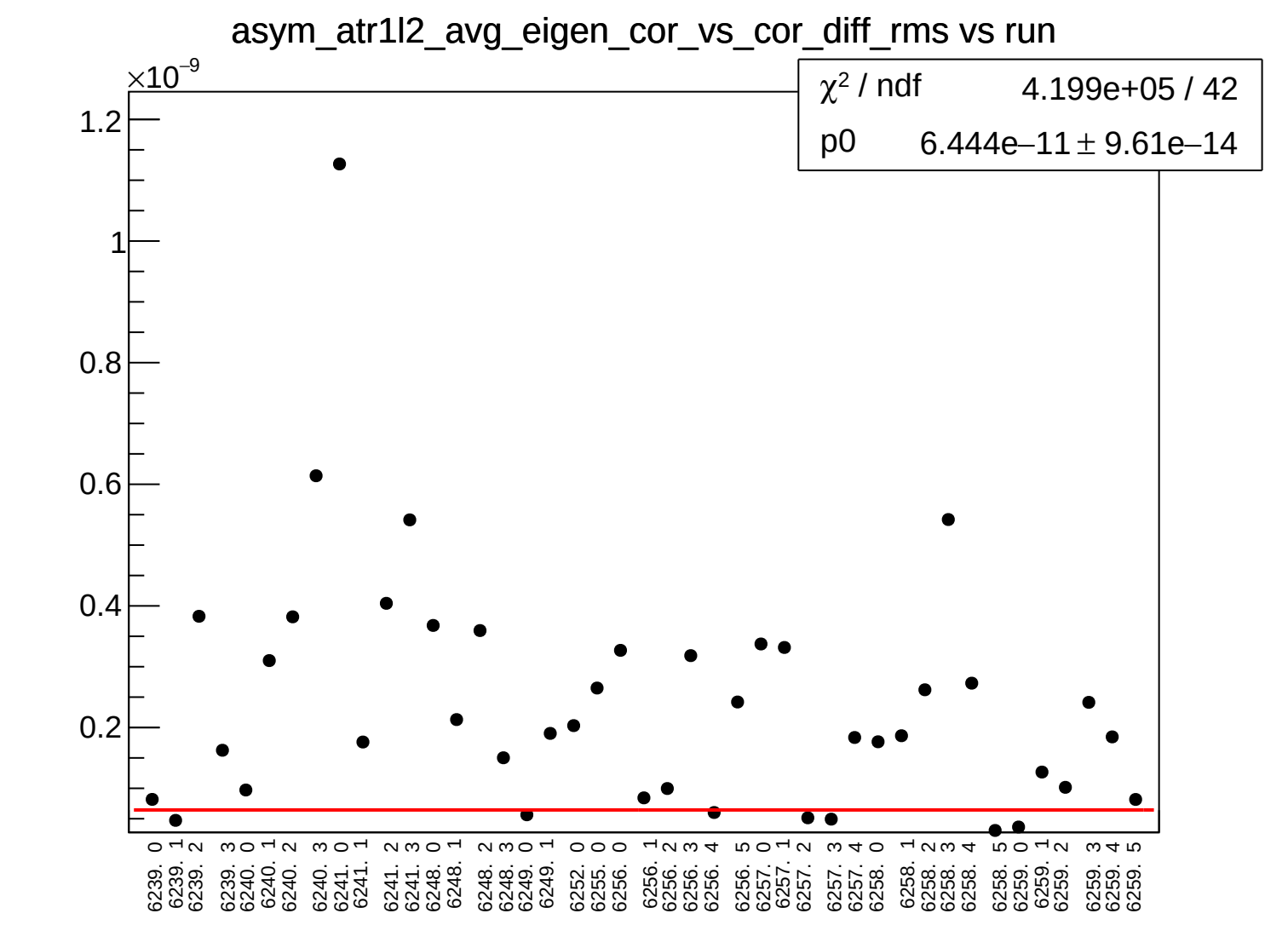

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.954e+04 / 42
p0 144.2 ± 0.1593
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

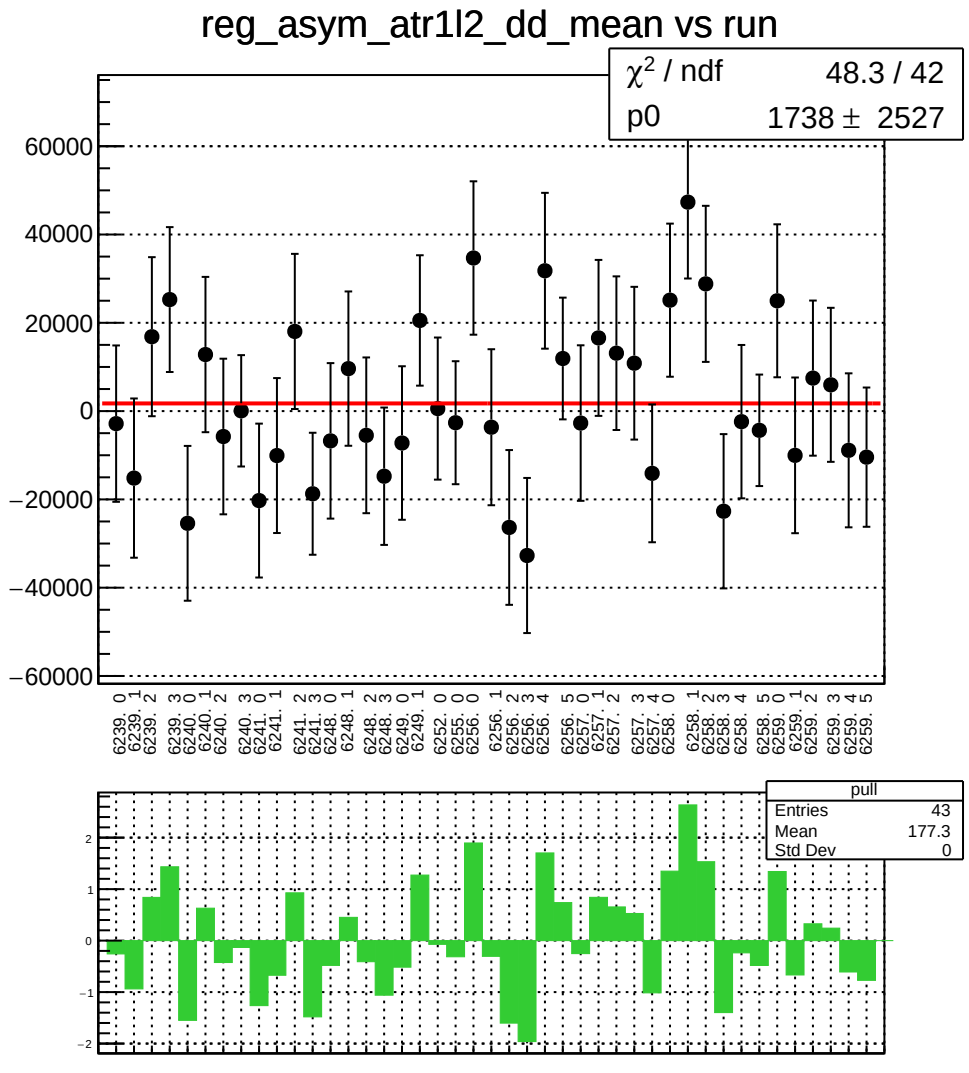

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.83 / 42
p0 0.1088 ± 0.2252
pull
Entries 43
Mean −14.01
Std Dev 0

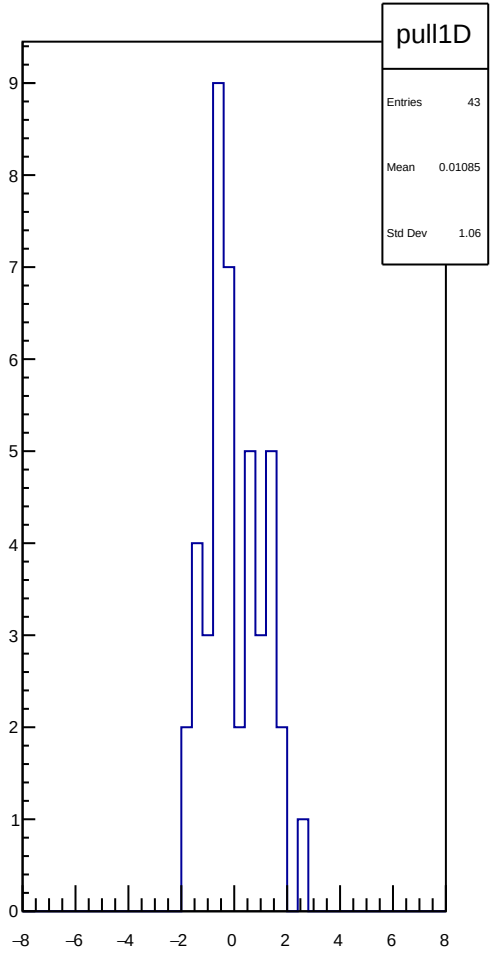

pull1D
Entries 43
Mean 0.04613
Std Dev 0.9368

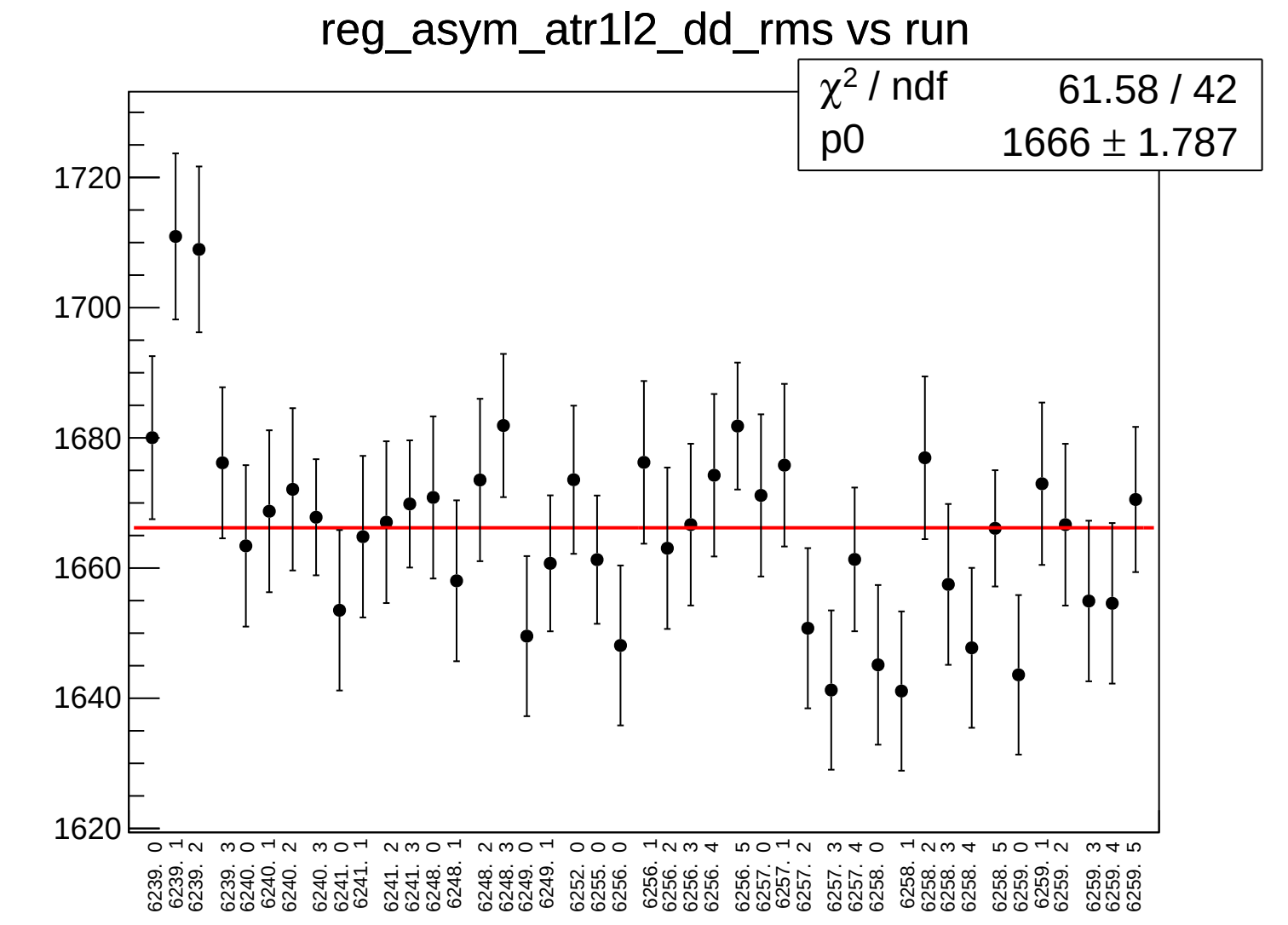

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.954e+04 / 42
p0 144.2 ± 0.1593
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.03 / 42
p0 1.28e−13 ± 1.359e−13
10
5
0
−5
−10
−15
−20
−25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.53
Std Dev 8.118
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.1385
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

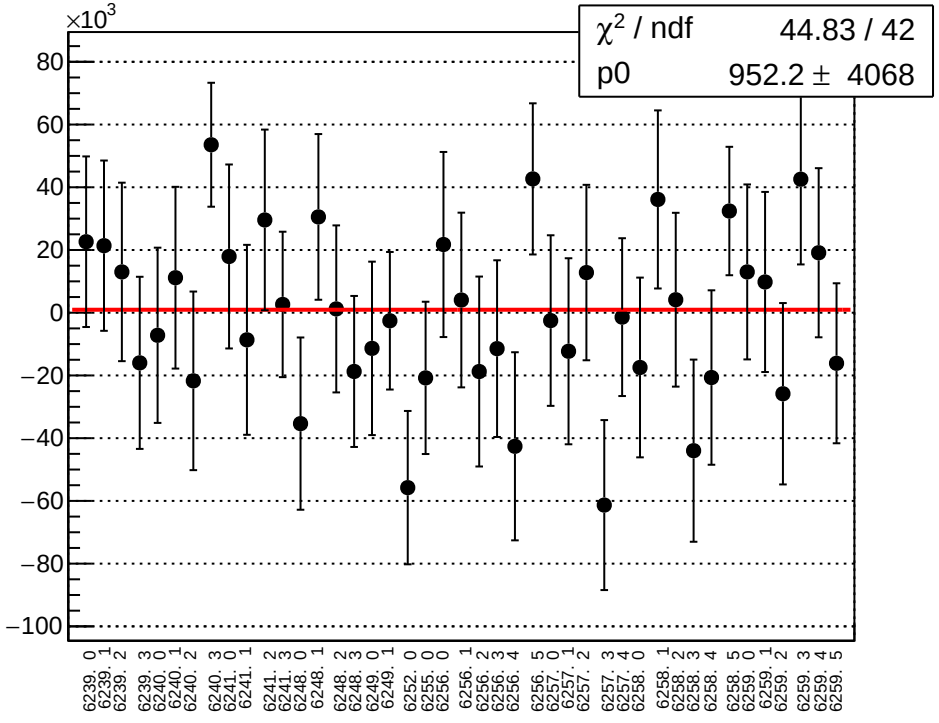

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.199e+05 / 42
p0 6.444e−11 ± 9.61e−14
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

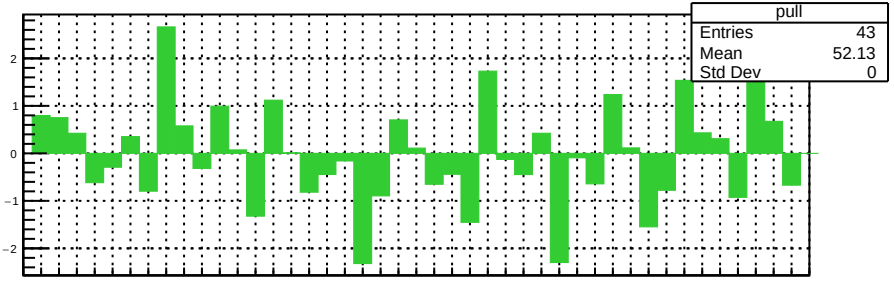

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 48.3 / 42
p0 1738 ± 2527
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 177.3
Std Dev 0
2
1
0
−1
−2

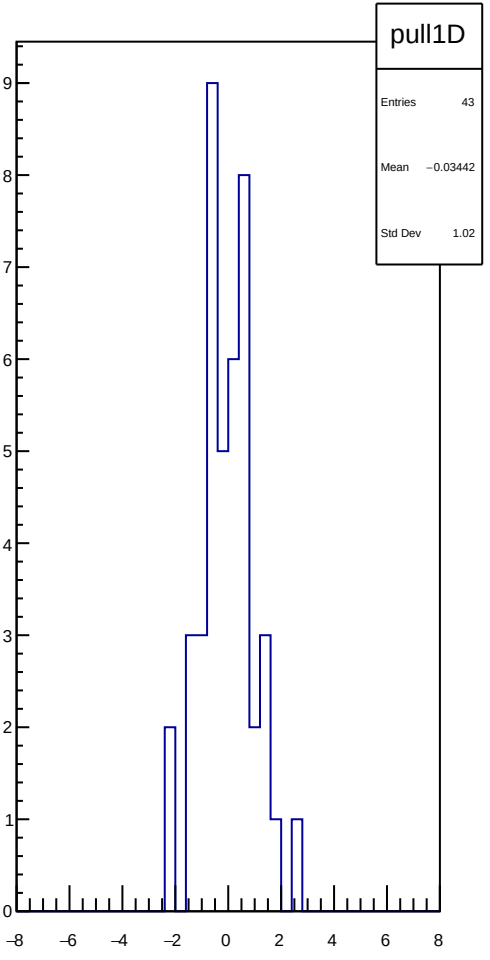

pull1D
Entries 43
Mean 0.01085
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

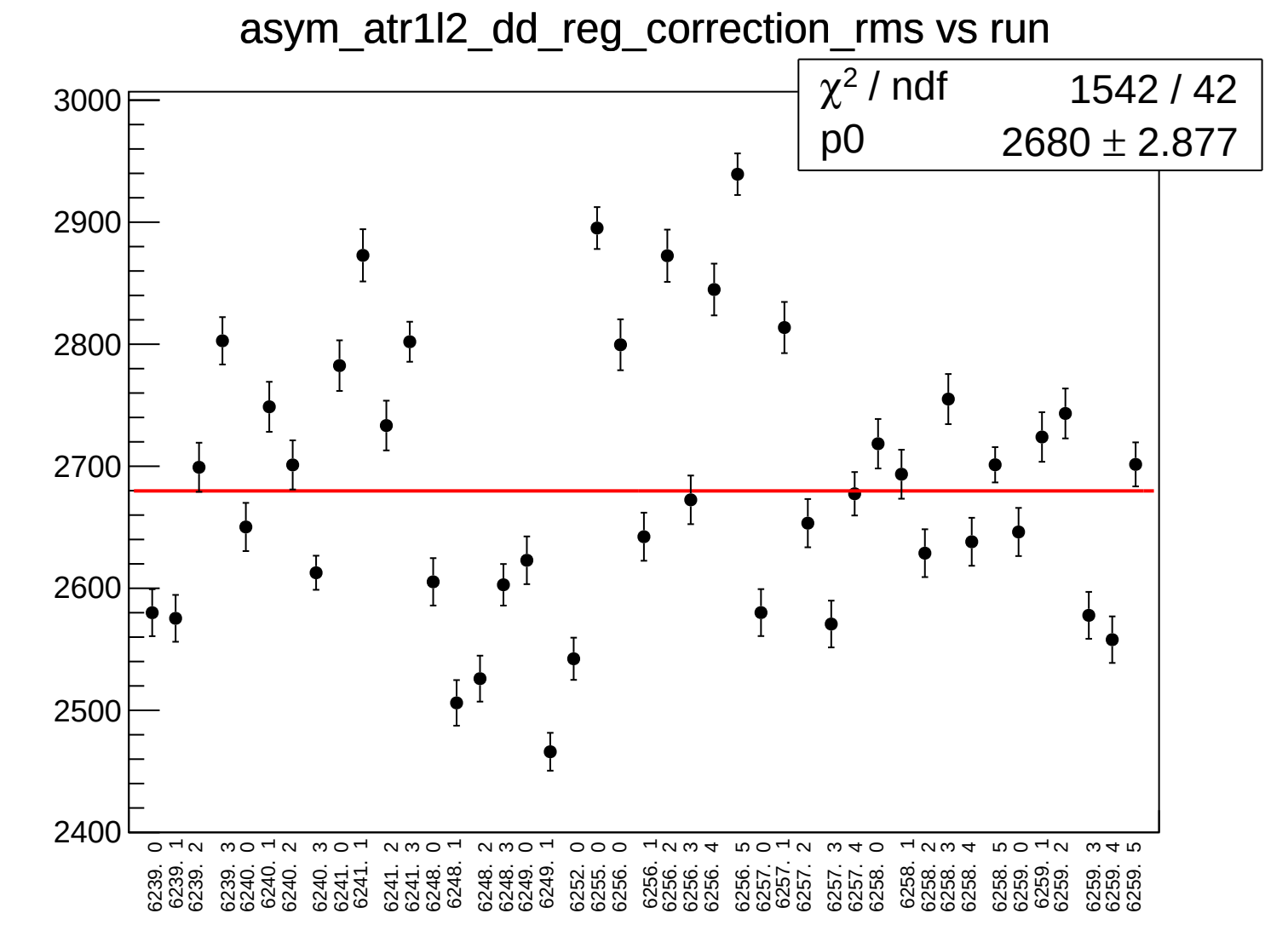

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 61.58 / 42
p0 1666 ± 1.787
1720
1700
1680
1660
1640
1620
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

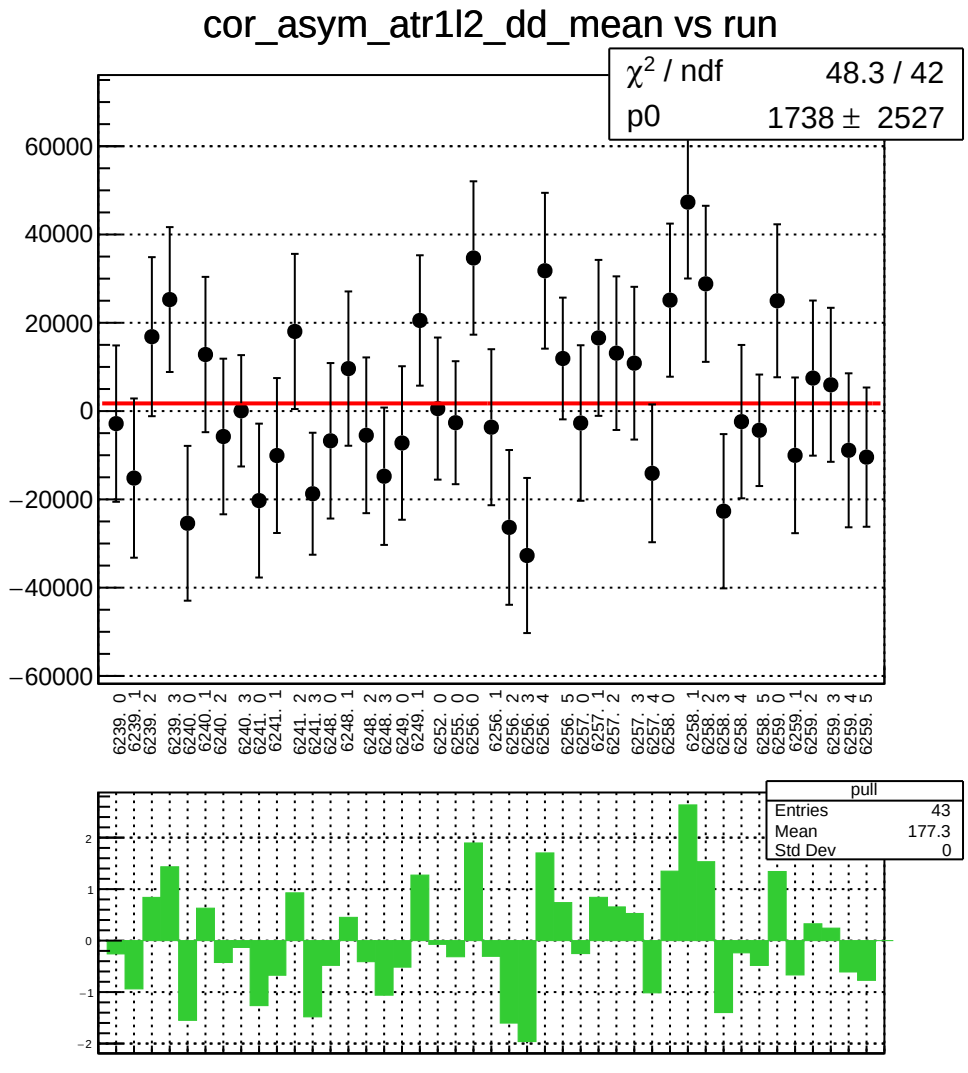
asym_atr1l2_dd_reg_correction_mean vs run

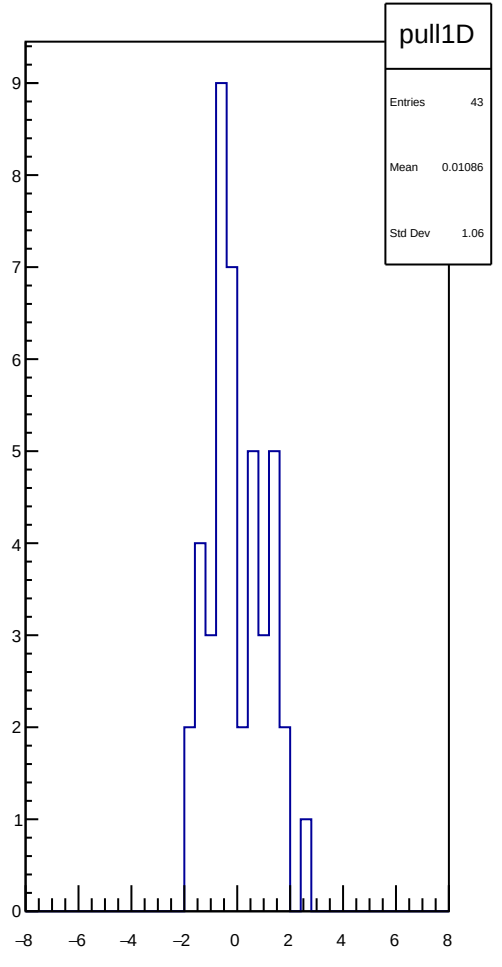


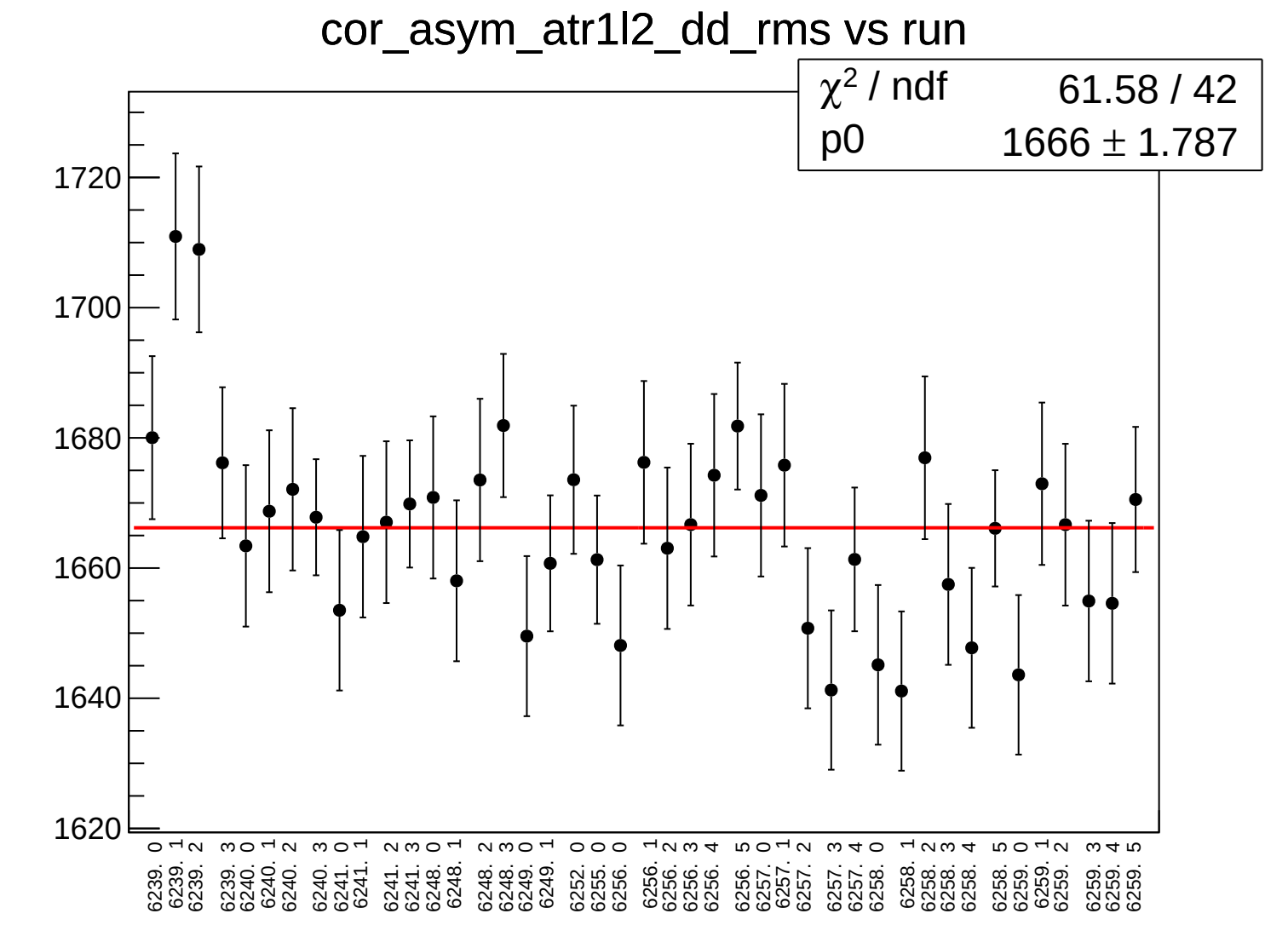



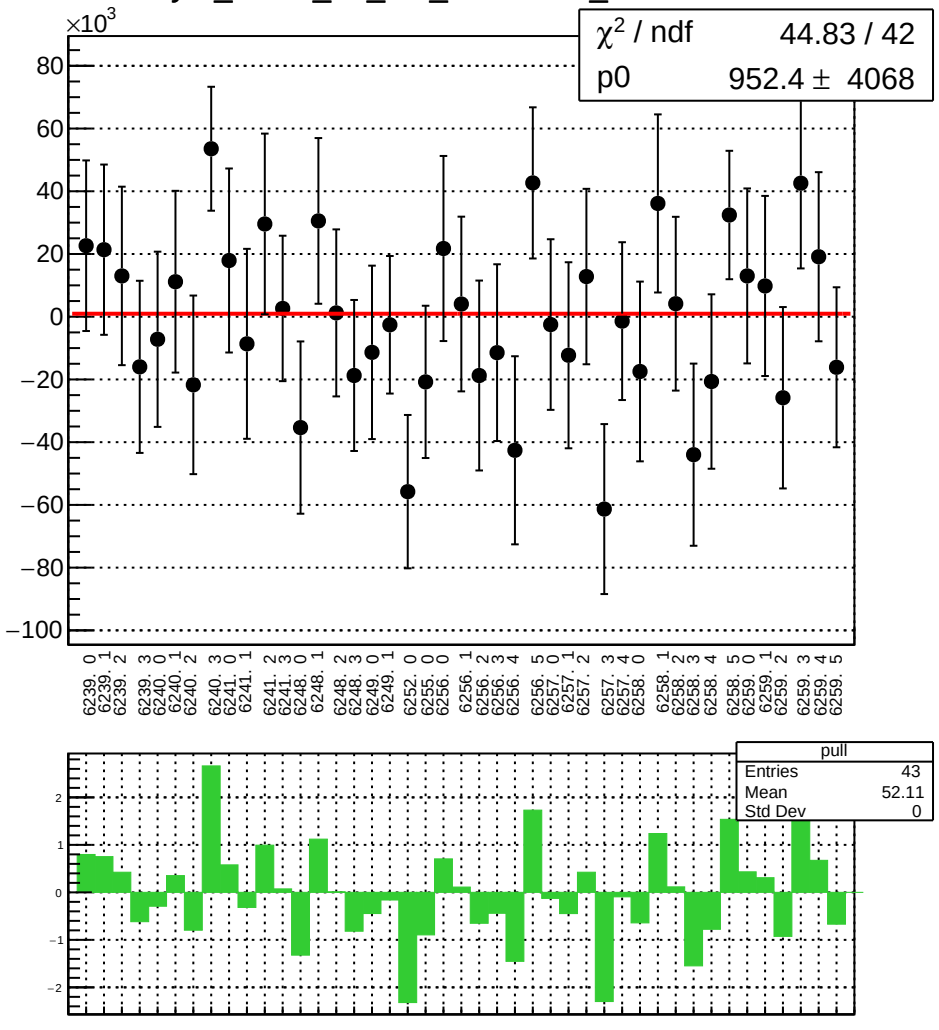



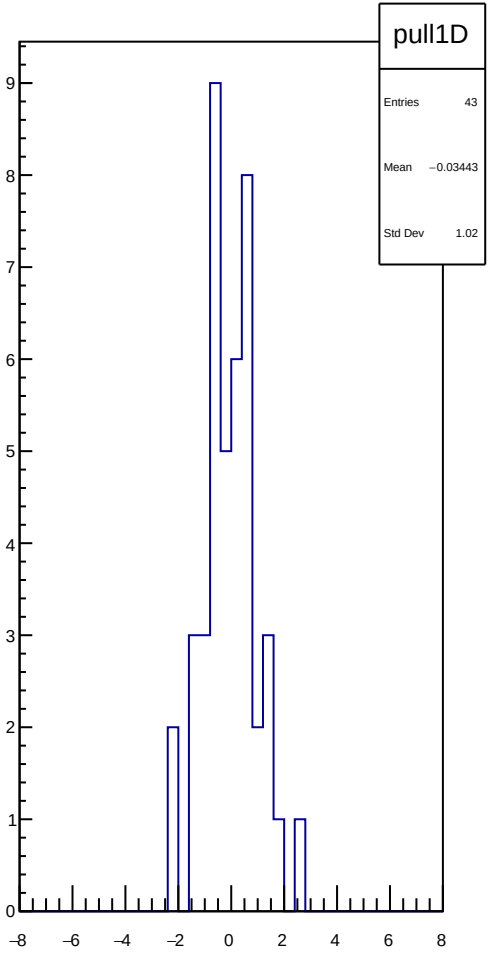

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1542 / 42
p0 2680 ± 2.877
3000
2900
2800
2700
2600
2500
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

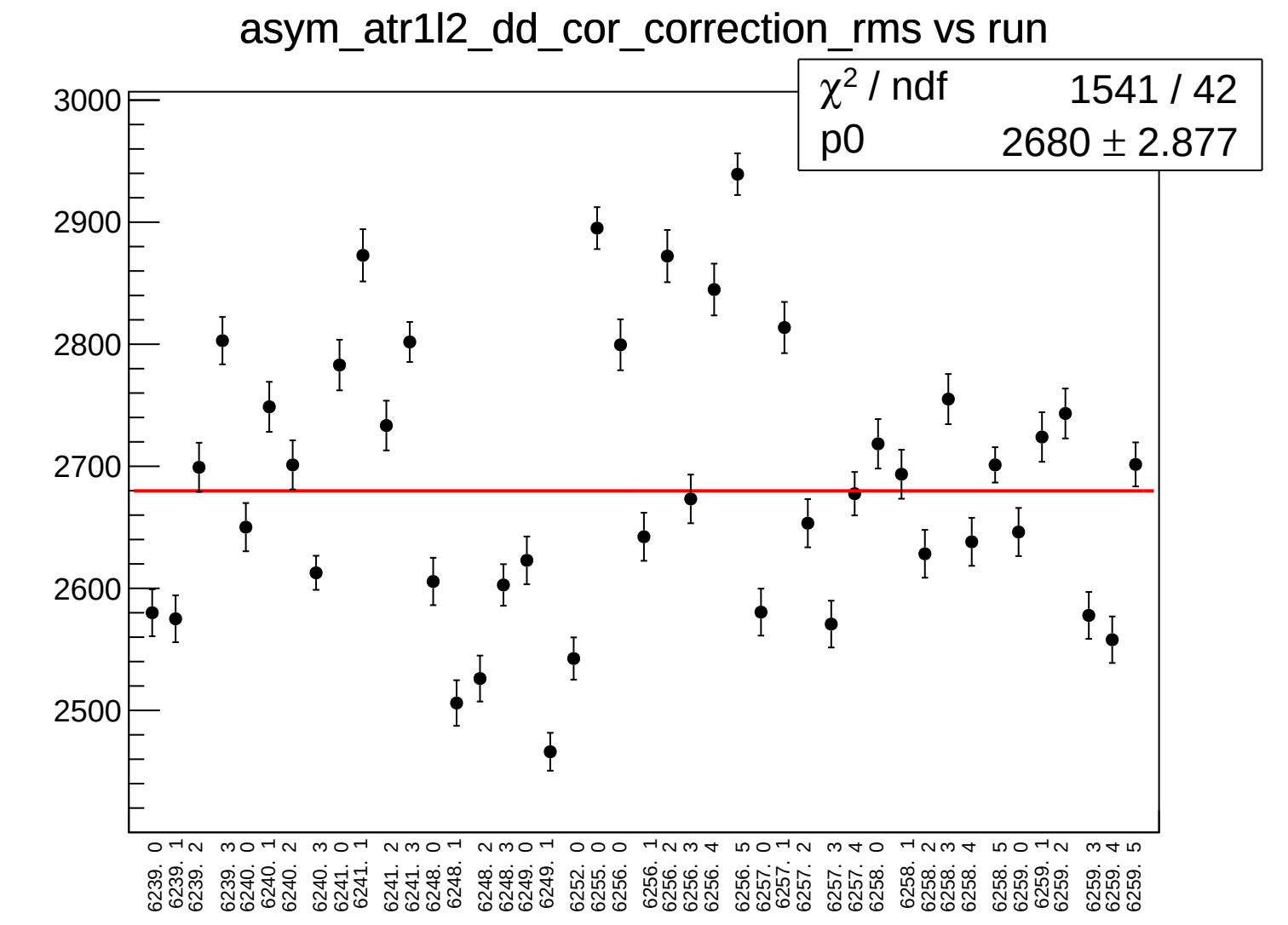

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 48.3 / 42
p0 1738 ± 2527
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 177.3
Std Dev 0
2
1
0
−1
−2

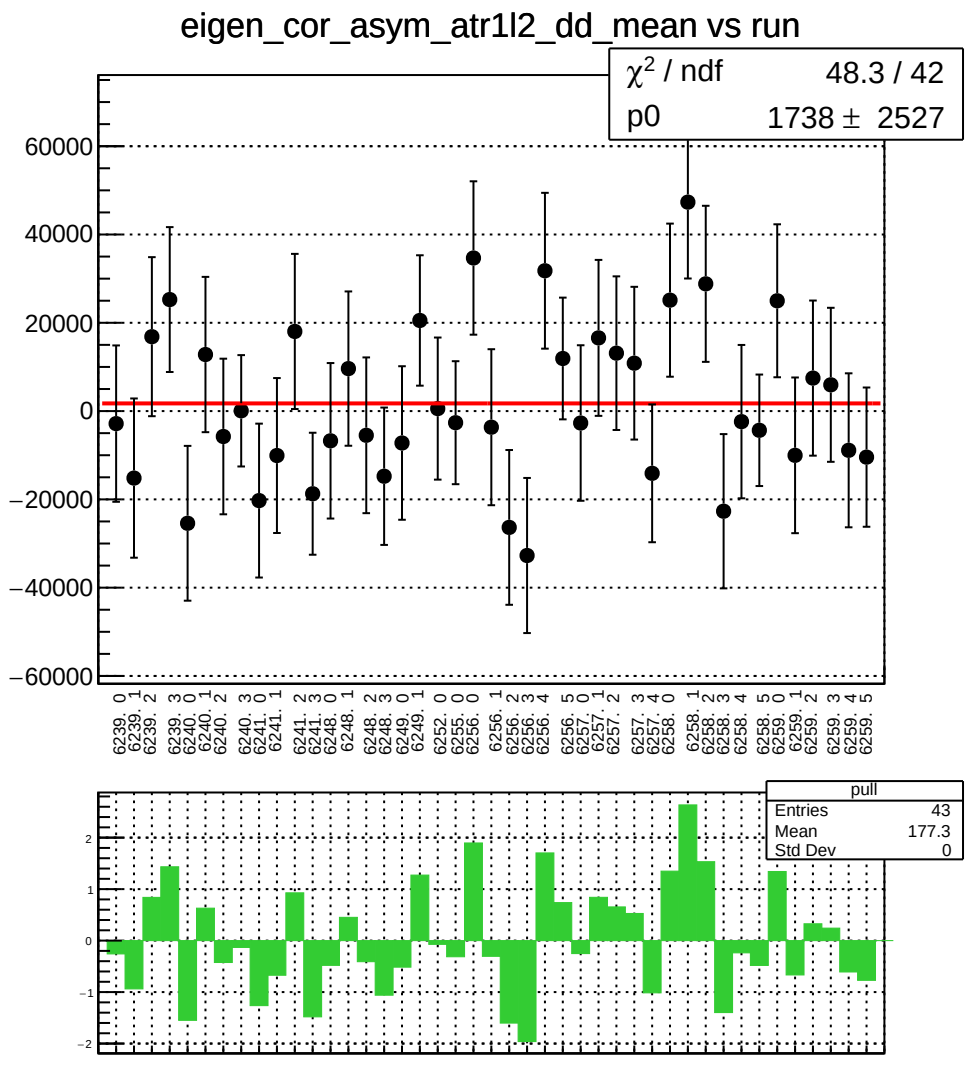

pull1D
Entries 43
Mean 0.01086
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

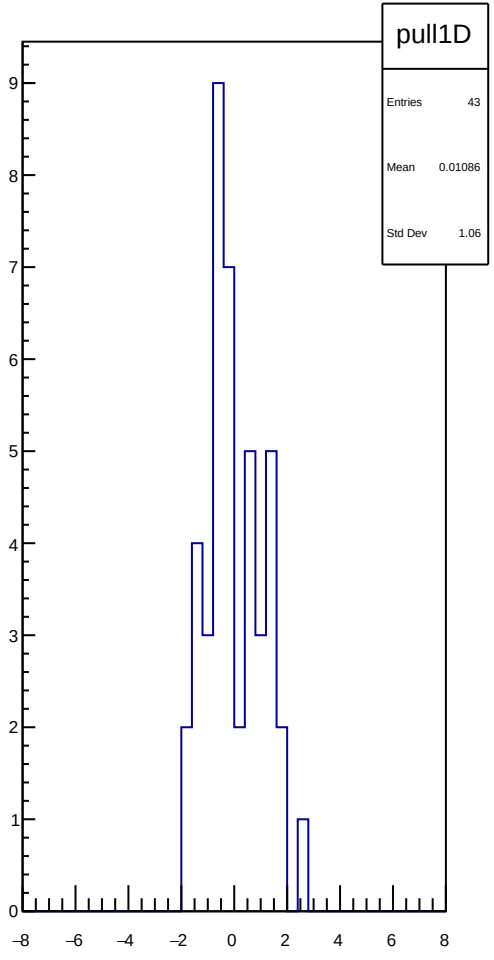

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 61.58 / 42
p0 1666 ± 1.787
1720
1700
1680
1660
1640
1620
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

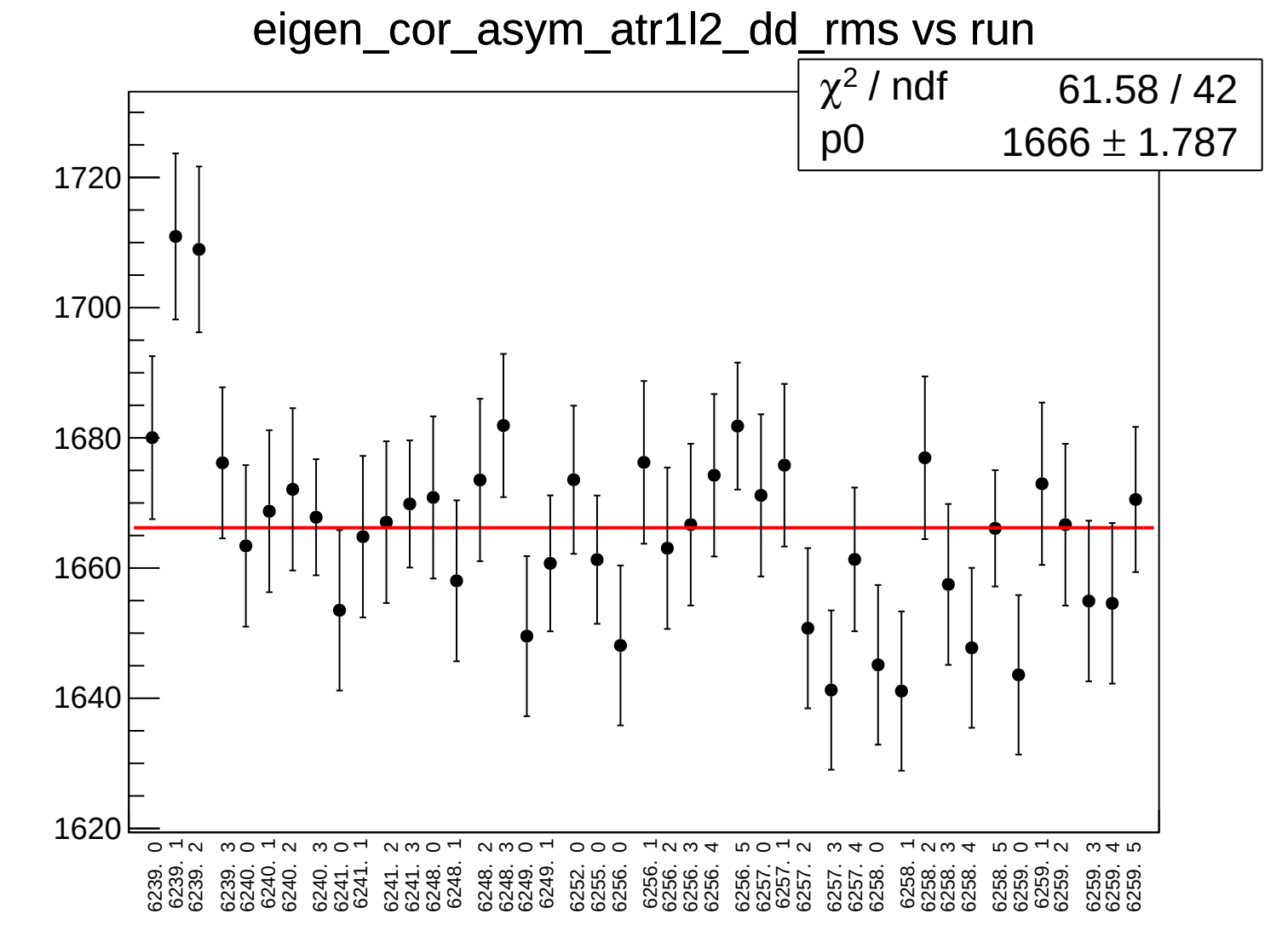

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.83 / 42
p0 952.4 ± 4068
pull
Entries 43
Mean 52.11
Std Dev 0


pull1D
Entries 43
Mean −0.03443
Std Dev 1.02

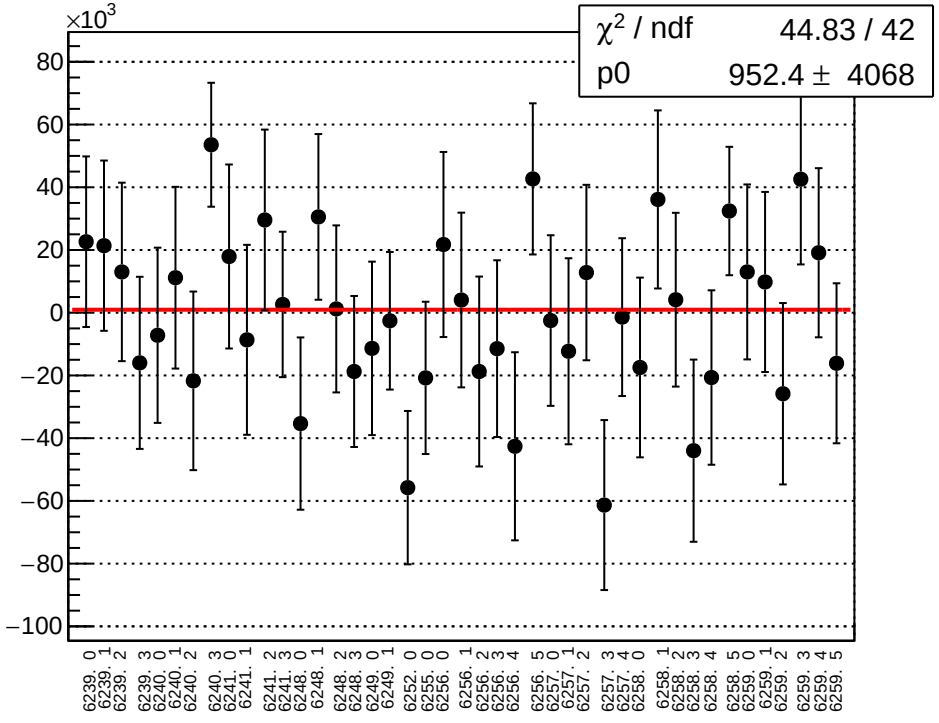

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 1541 / 42
p0 2680 ± 2.877
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

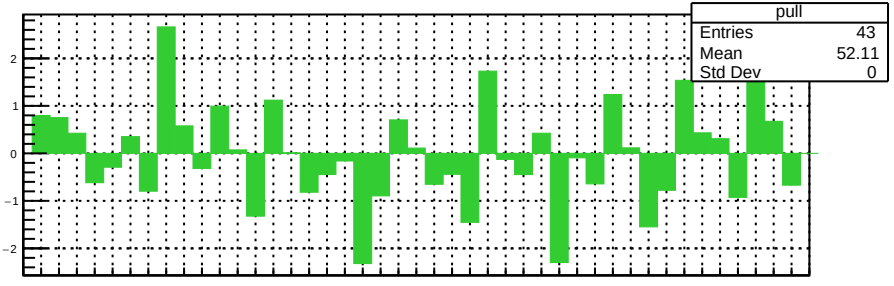

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 48.3 / 42
p0 1738 ± 2527
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 177.3
Std Dev 0
2
1
0
−1
−2

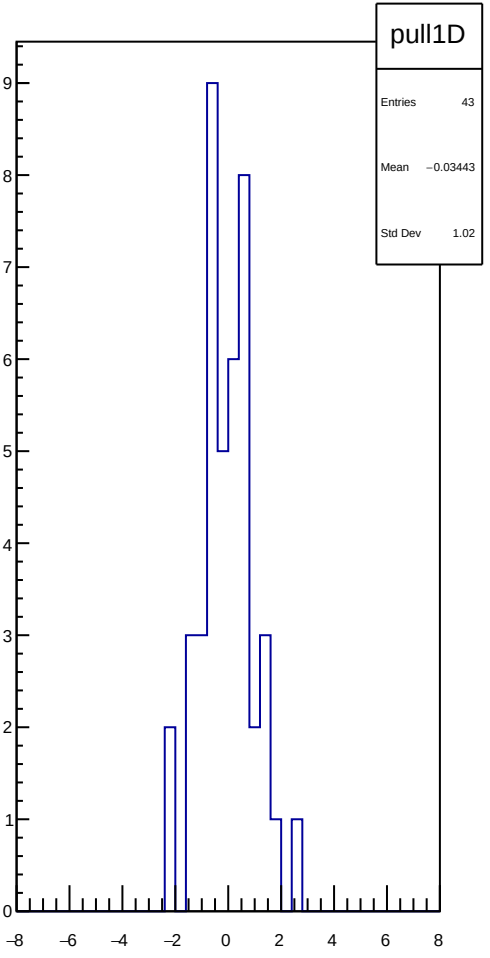

pull1D
Entries 43
Mean 0.01086
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

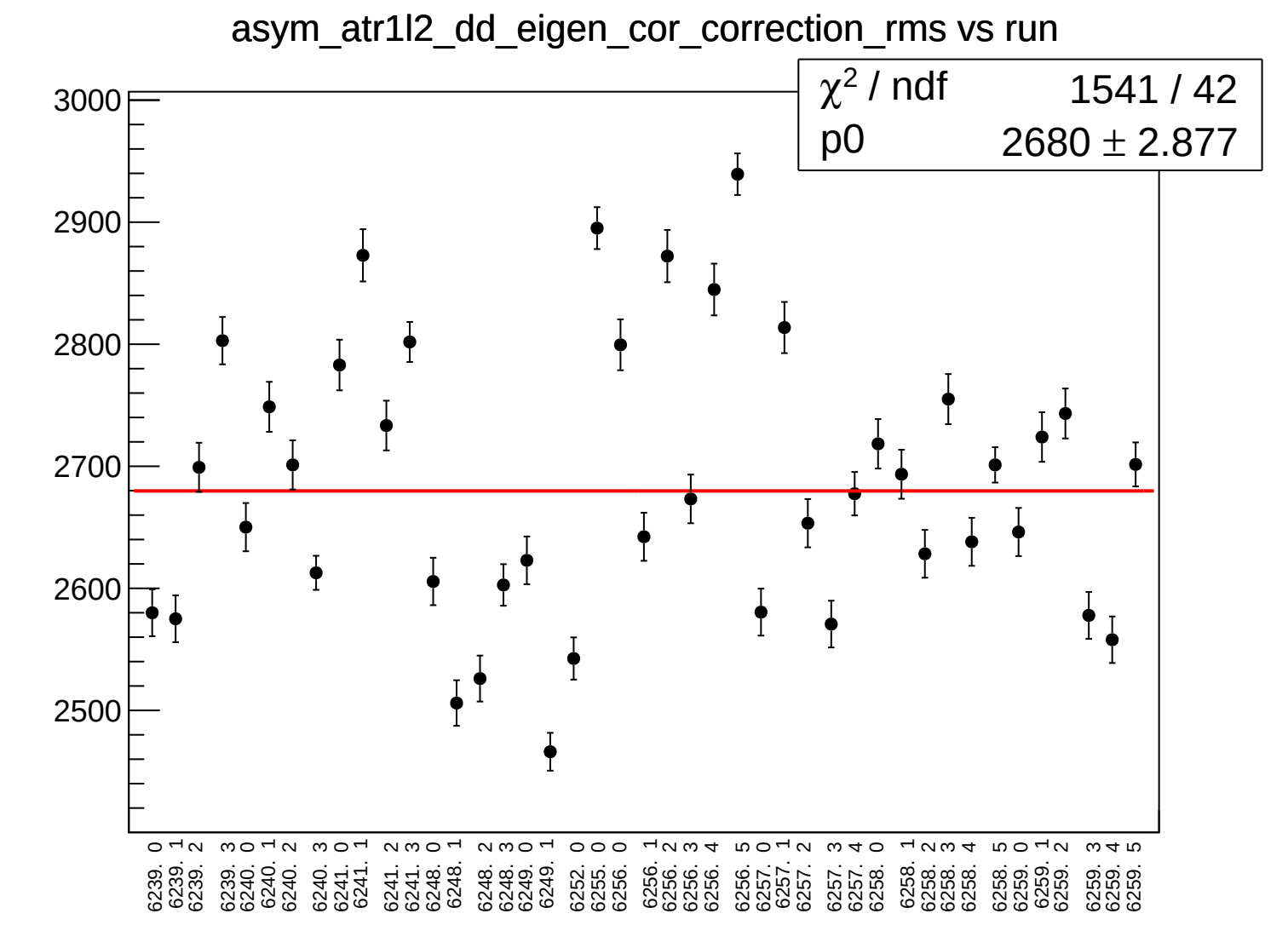

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 61.58 / 42
p0 1666 ± 1.787
1720
1700
1680
1660
1640
1620
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

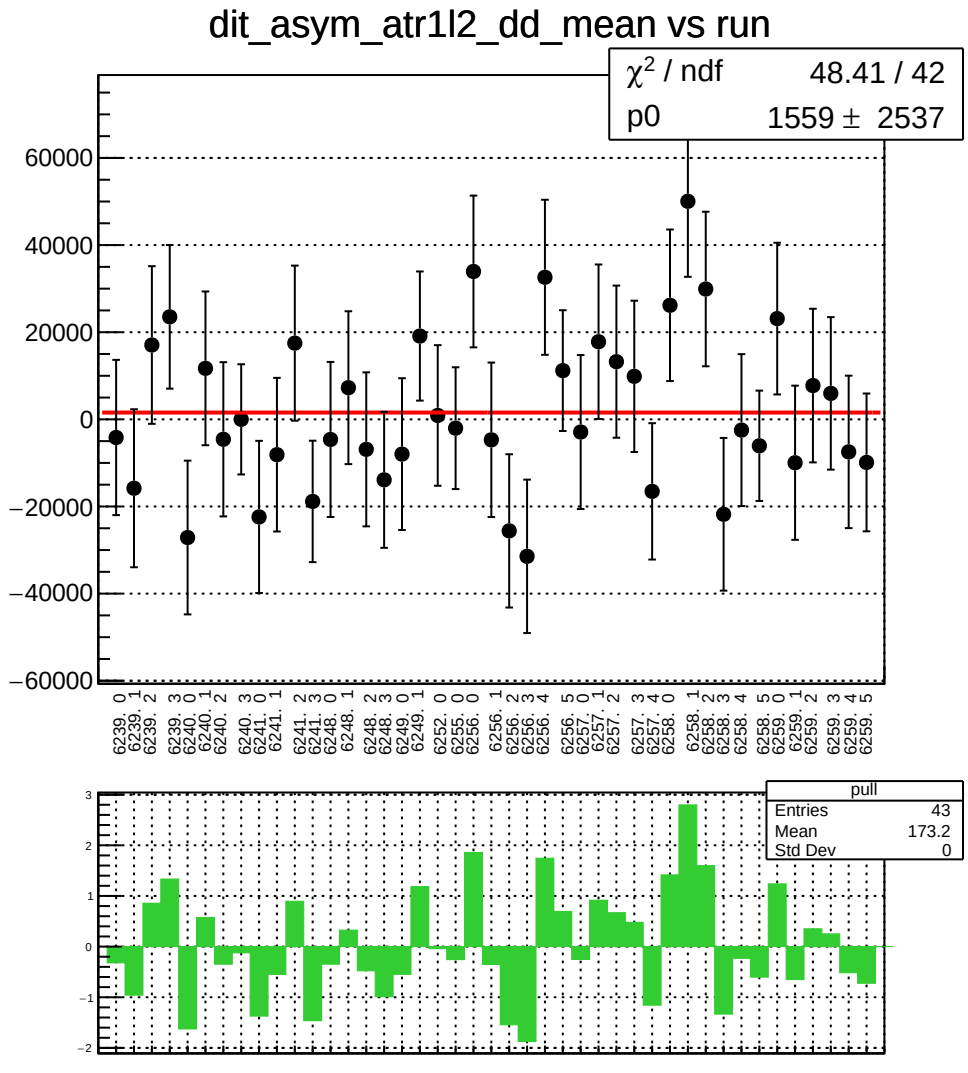
asym_atr1l2_dd_eigen_cor_correction_mean vs run

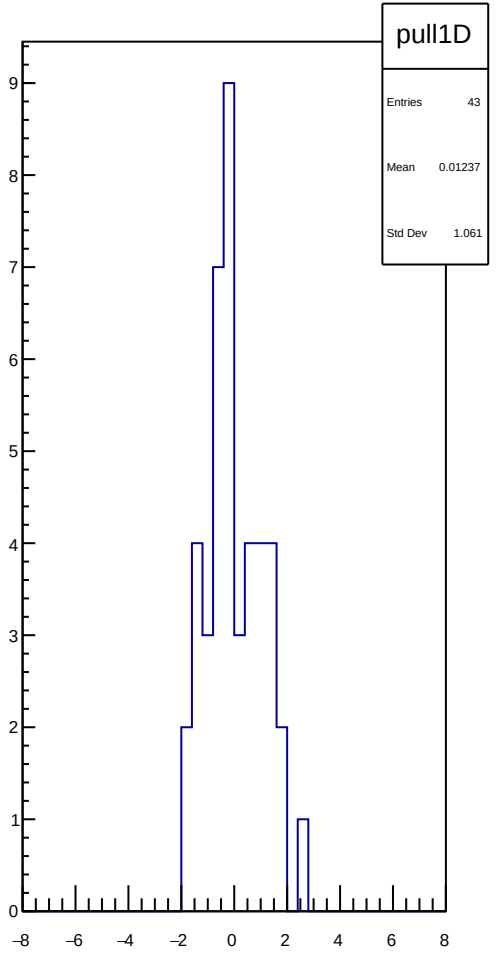


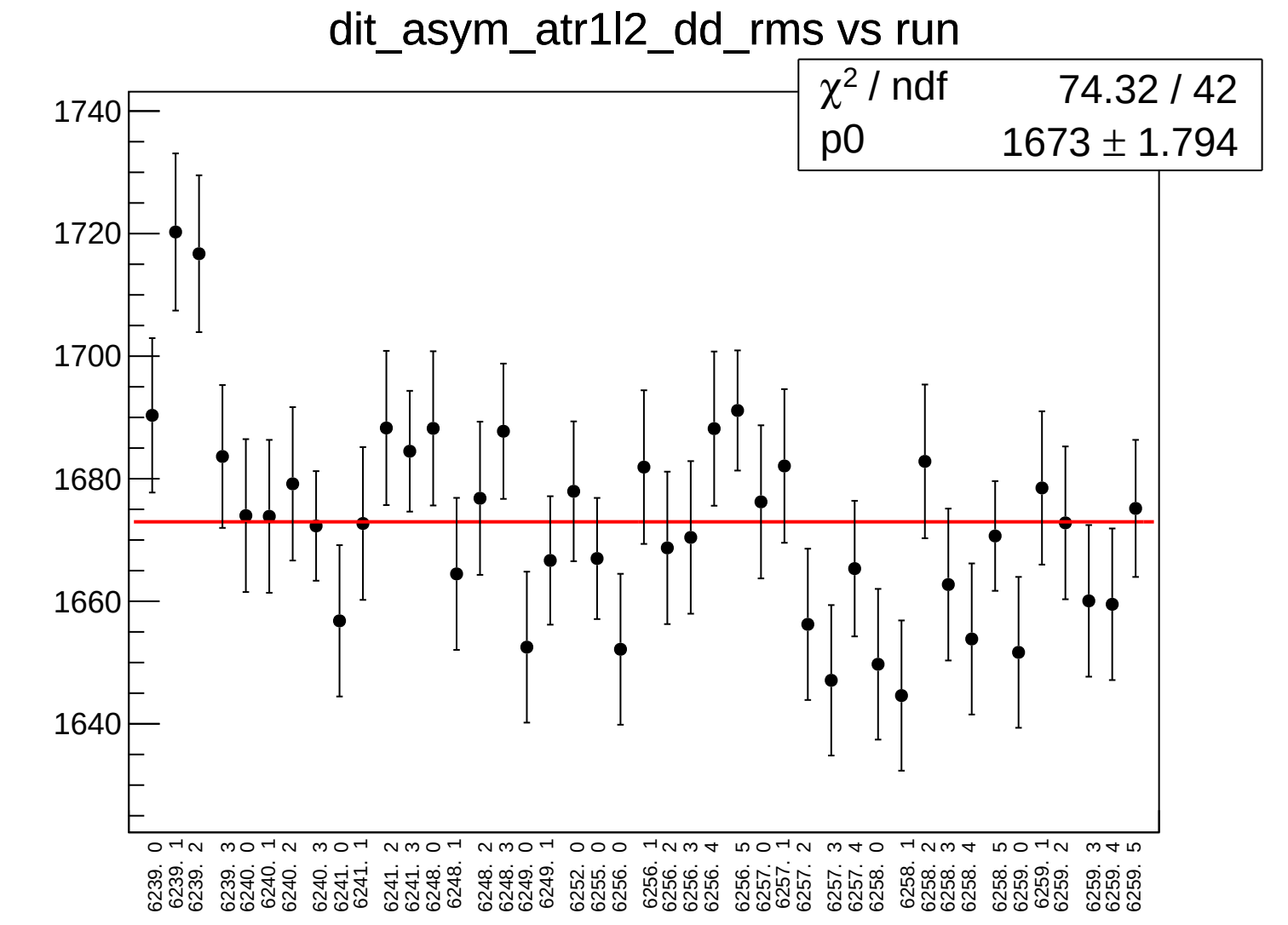



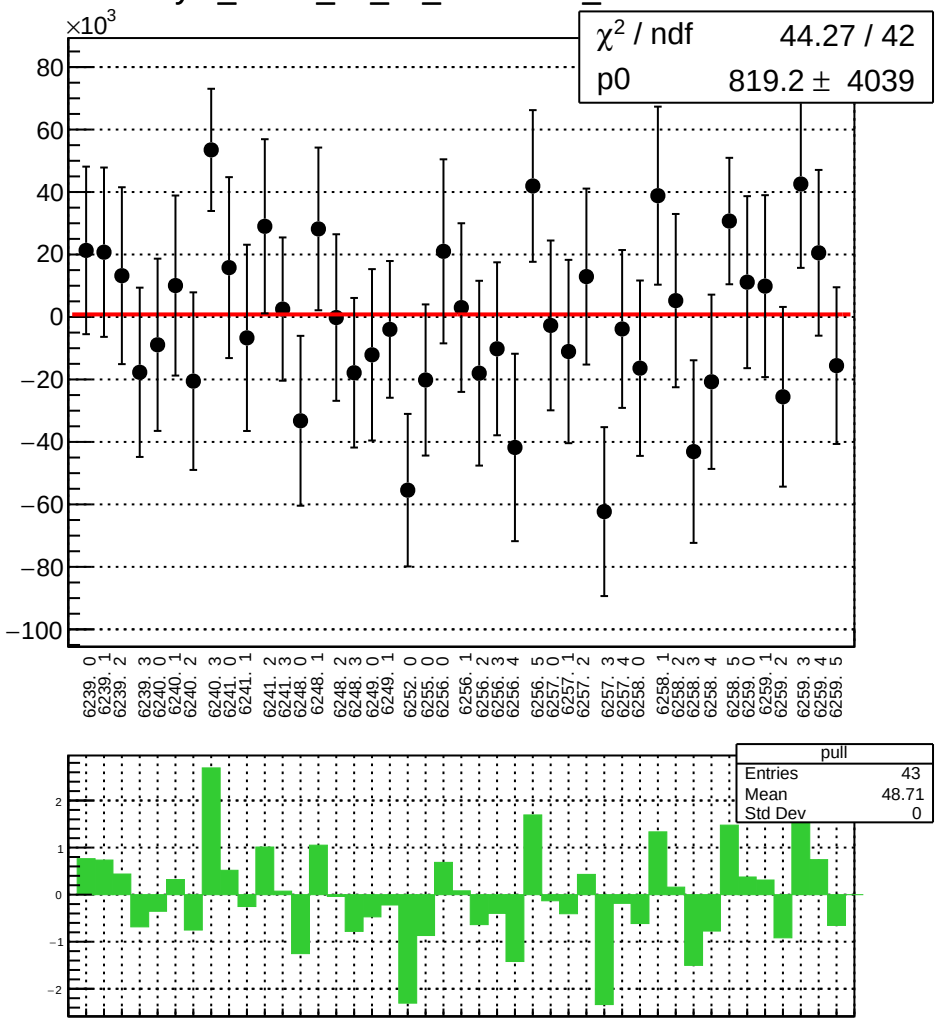



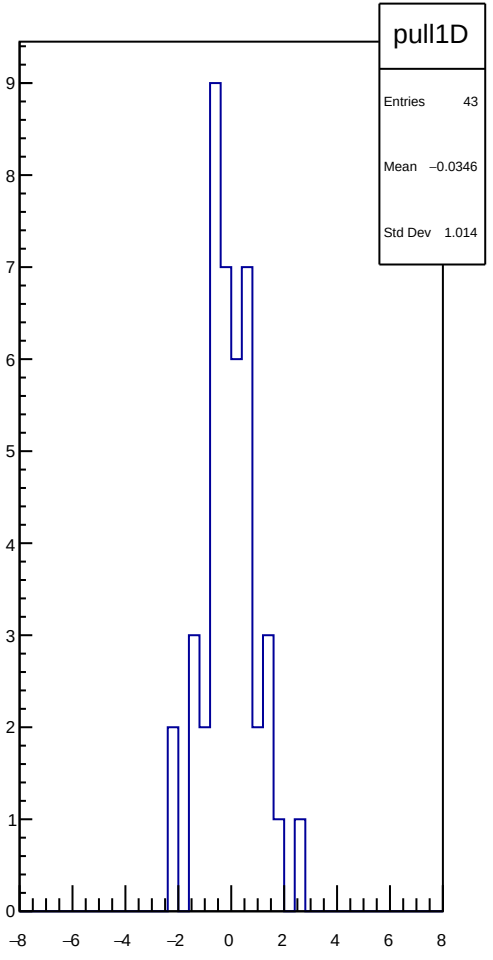

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1541 / 42
p0 2680 ± 2.877
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

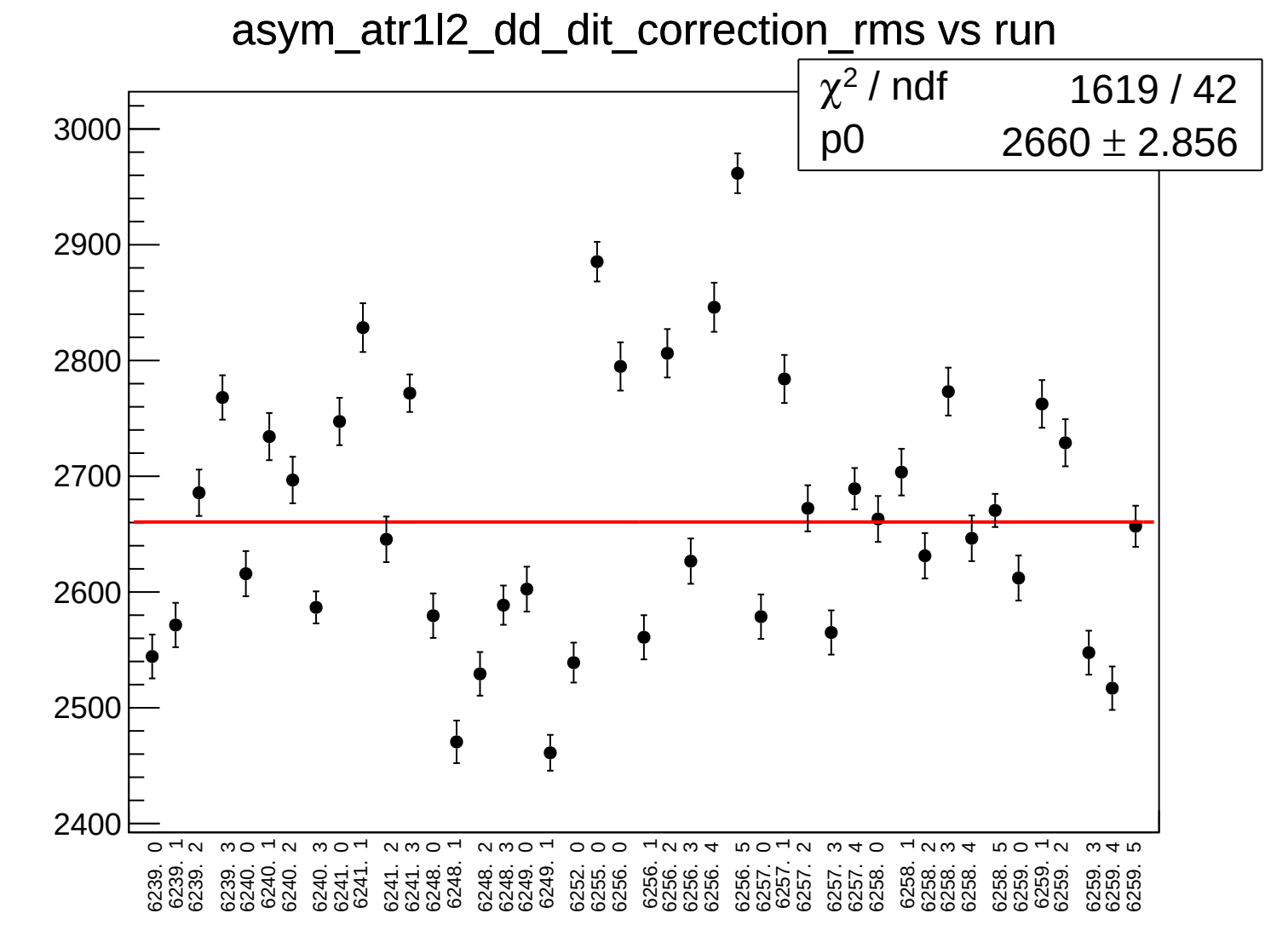

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 48.41 / 42
p0 1559 ± 2537
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 173.2
Std Dev 0
3
2
1
0
−1
−2

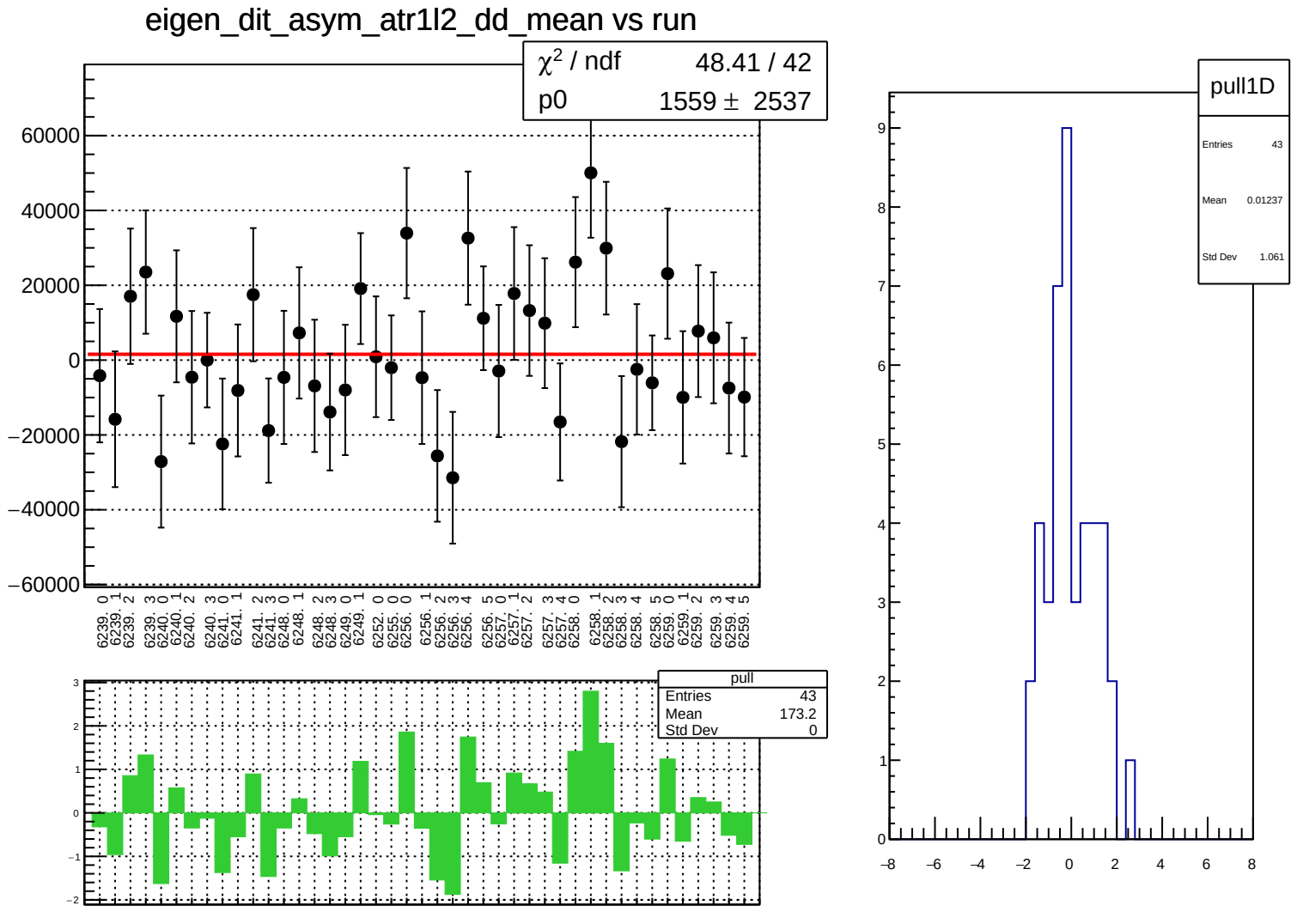

pull1D
Entries 43
Mean 0.01237
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

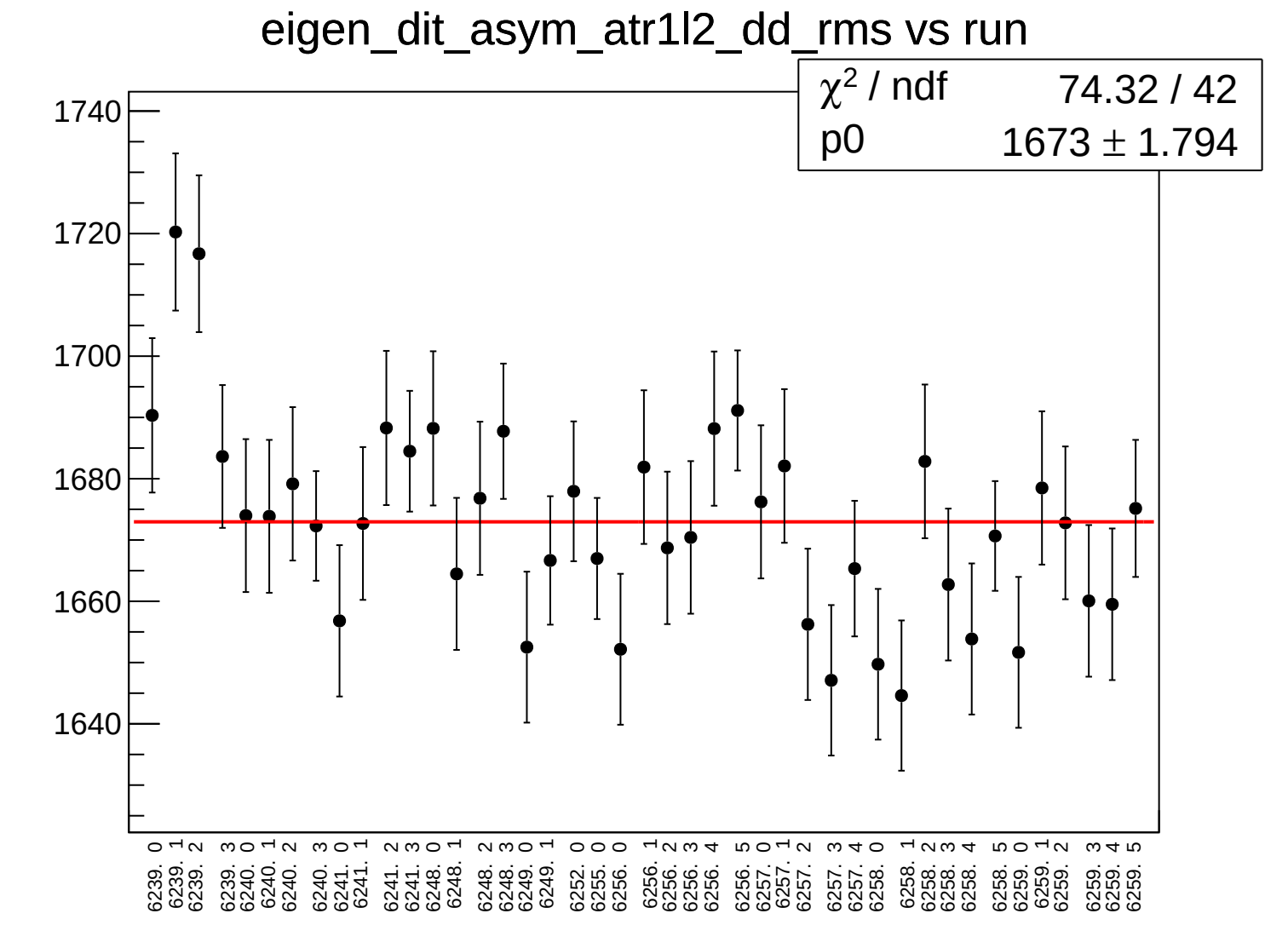

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 74.32 / 42
p0 1673 ± 1.794
1740
1720
1700
1680
1660
1640
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

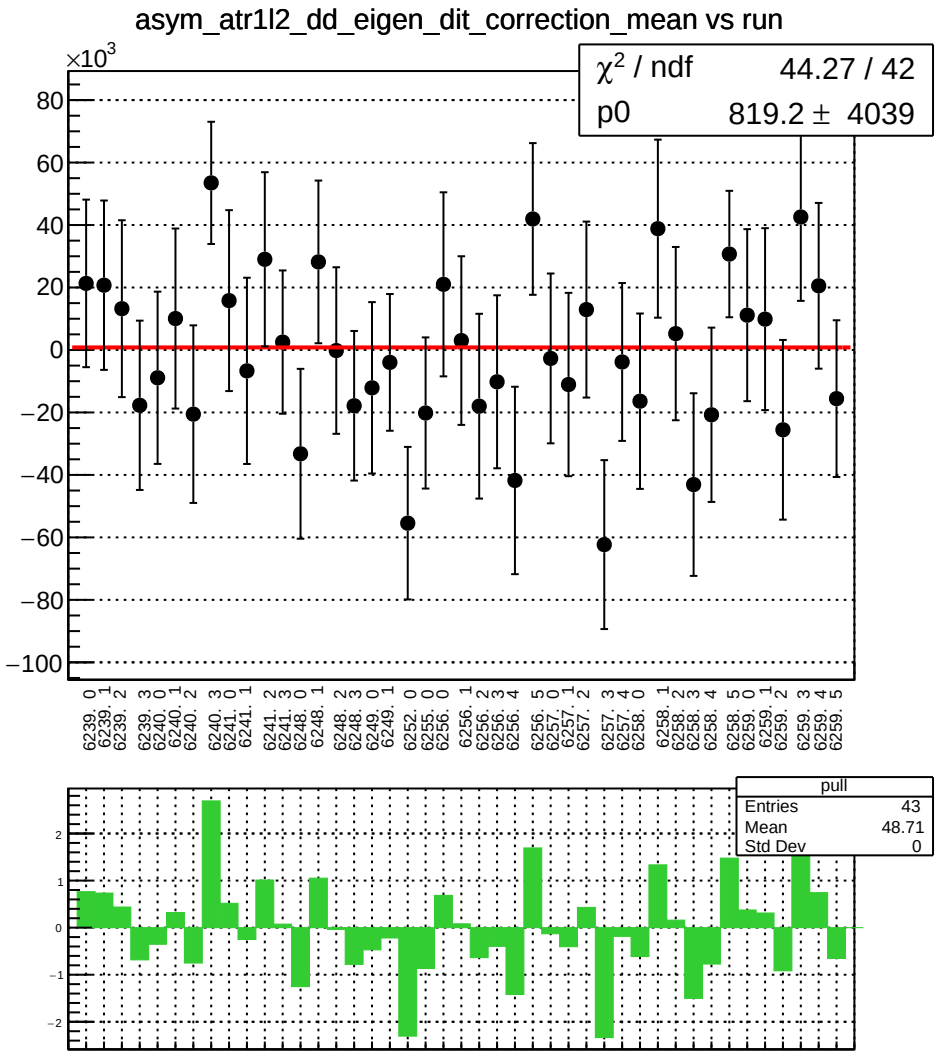

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 44.27 / 42
p0 819.2 ± 4039
pull
Entries 43
Mean 48.71
Std Dev 0


pull1D
Entries 43
Mean −0.0346
Std Dev 1.014


asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 1619 / 42
p0 2660 ± 2.856
3000
2900
2800
2700
2600
2500
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 48.41 / 42
p0 1559 ± 2537
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 173.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01237
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 74.32 / 42
p0 1673 ± 1.794
1740
1720
1700
1680
1660
1640
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 44.27 / 42
p0 819.2 ± 4039
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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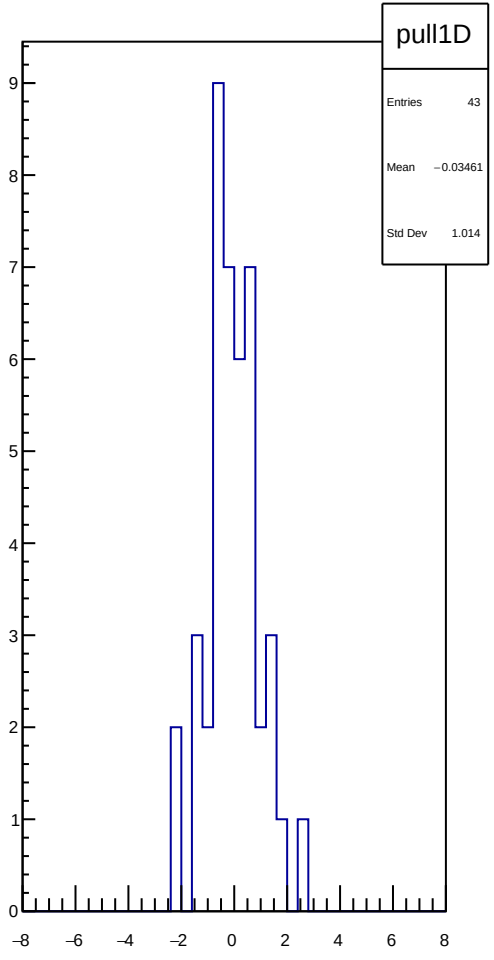
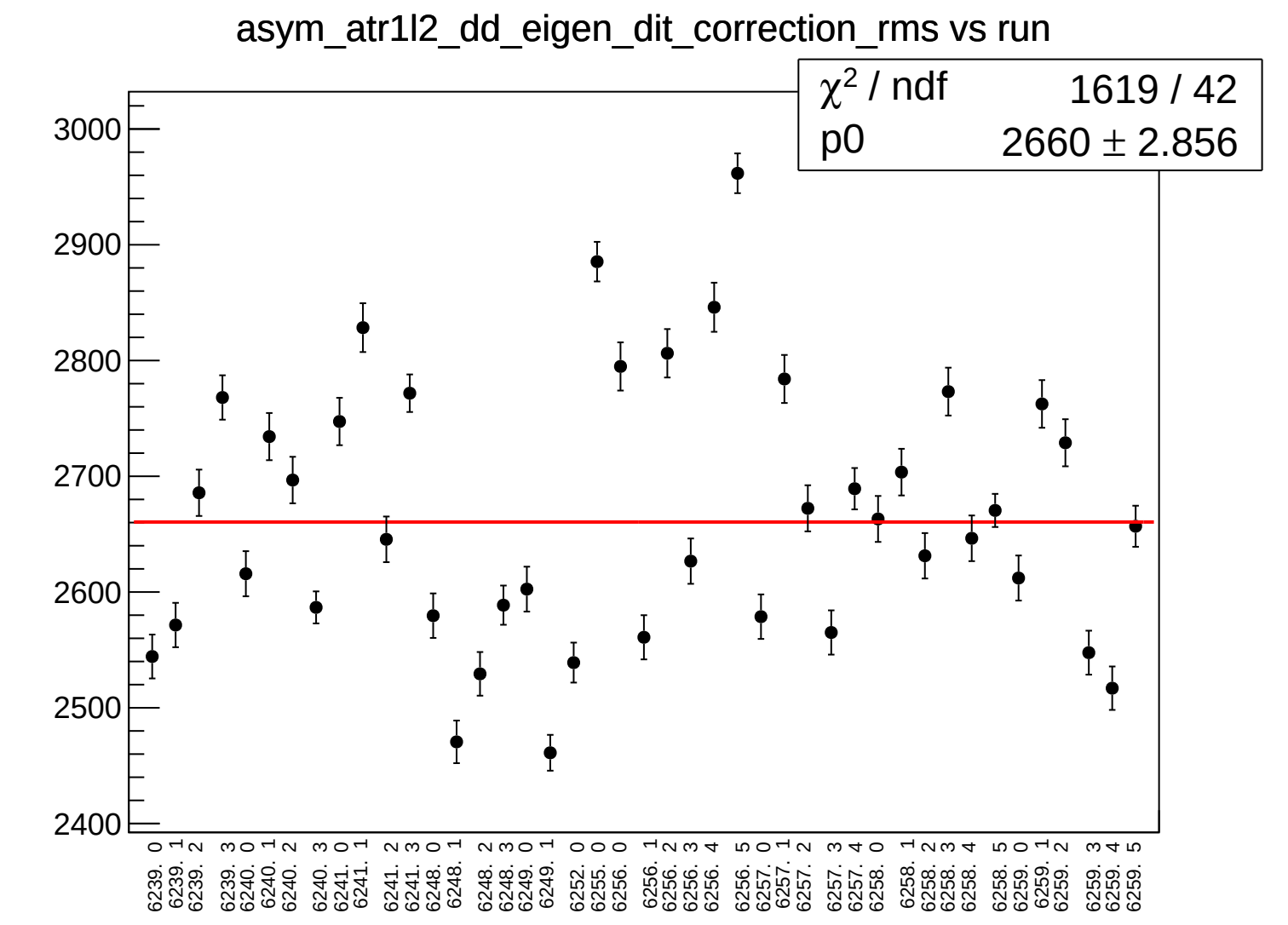
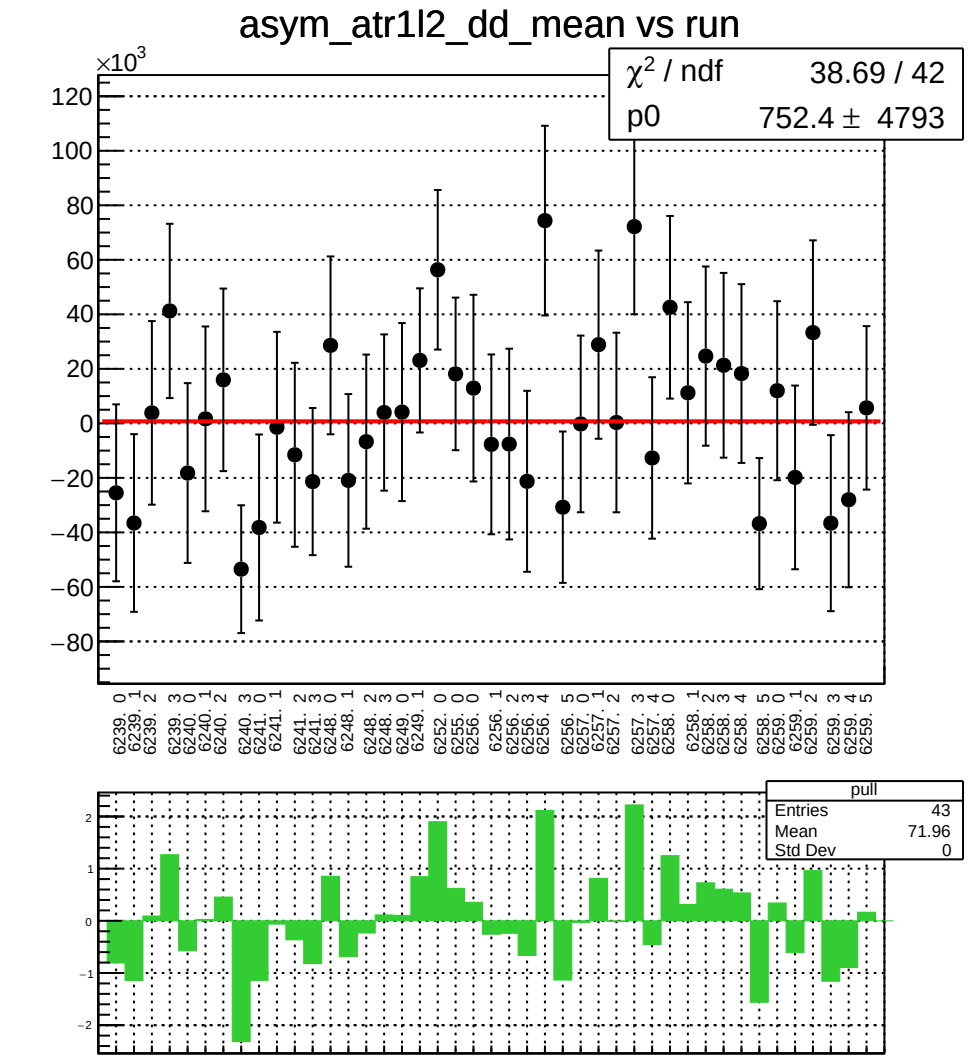
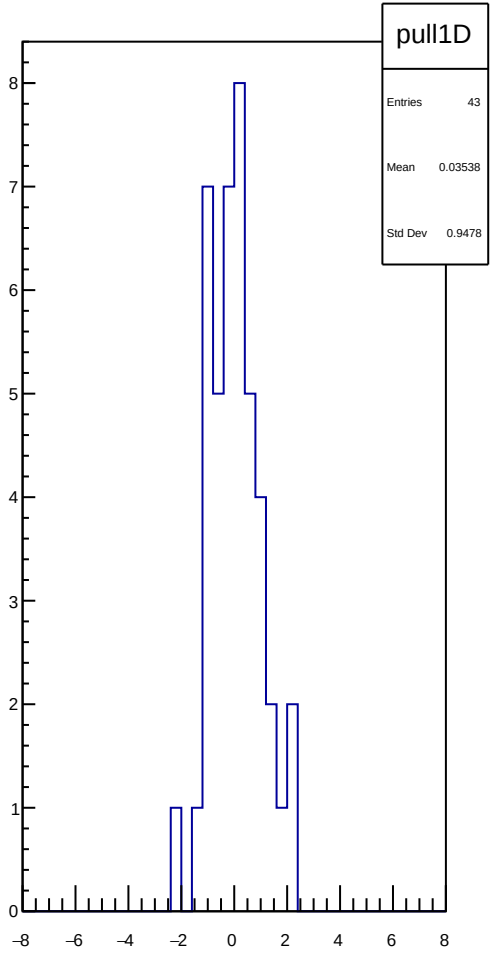
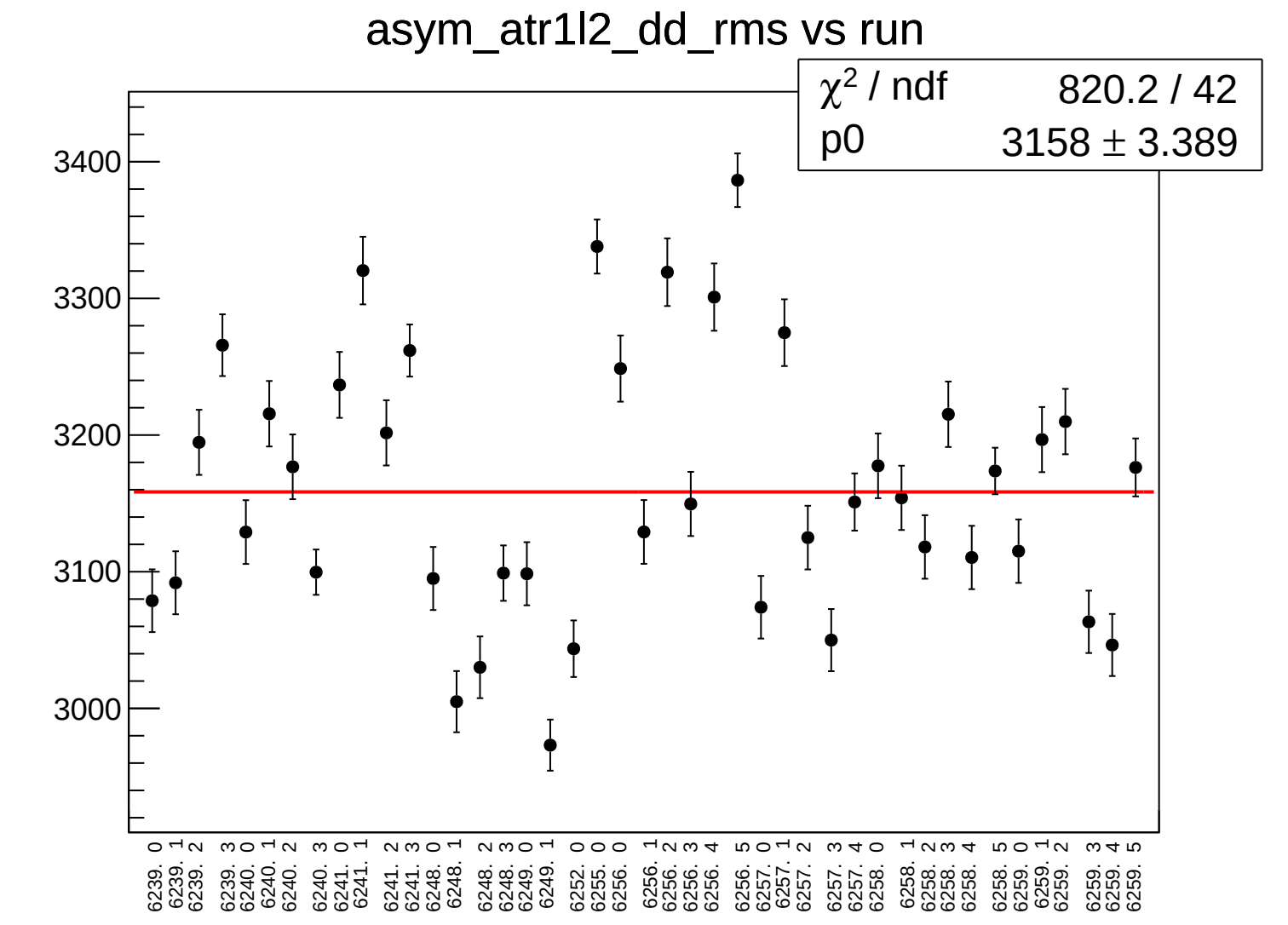
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.71
Std Dev 0
2
1
0
−1
−2

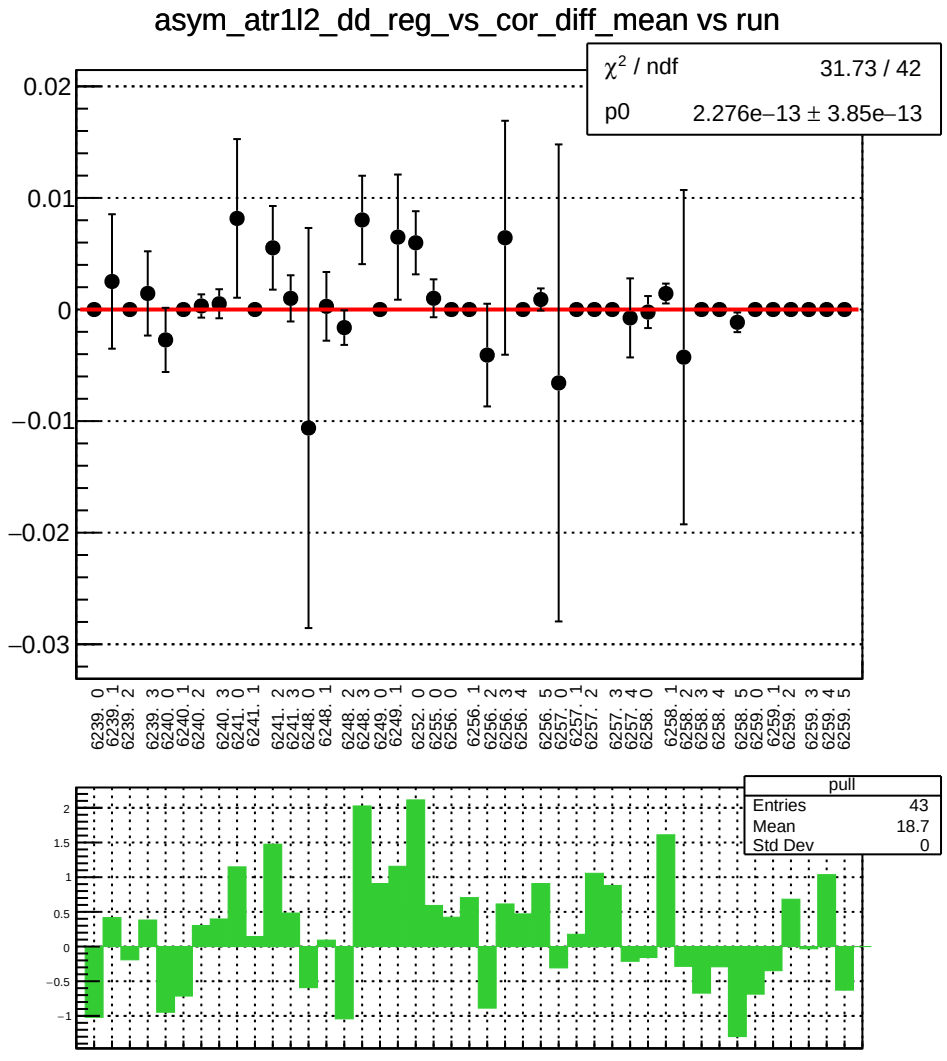

pull1D
Entries 43
Mean −0.03461
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

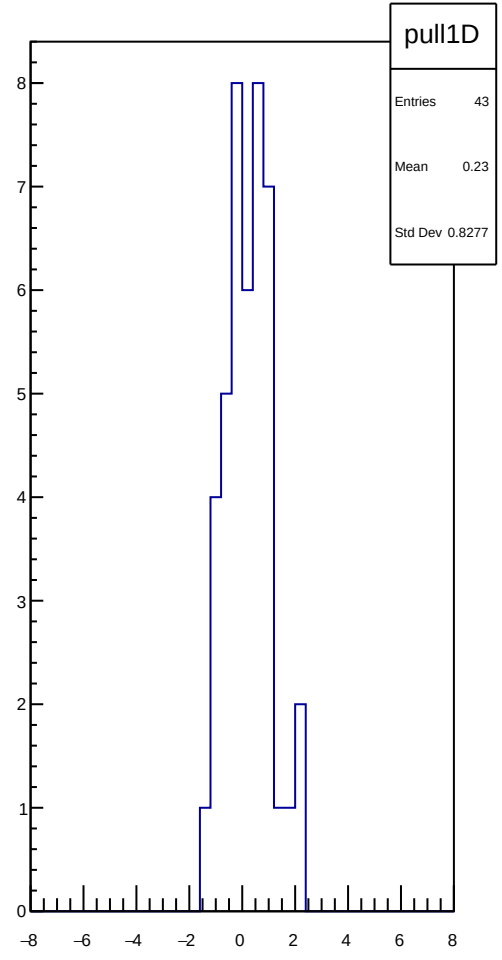

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1619 / 42
p0 2660 ± 2.856
3000
2900
2800
2700
2600
2500
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

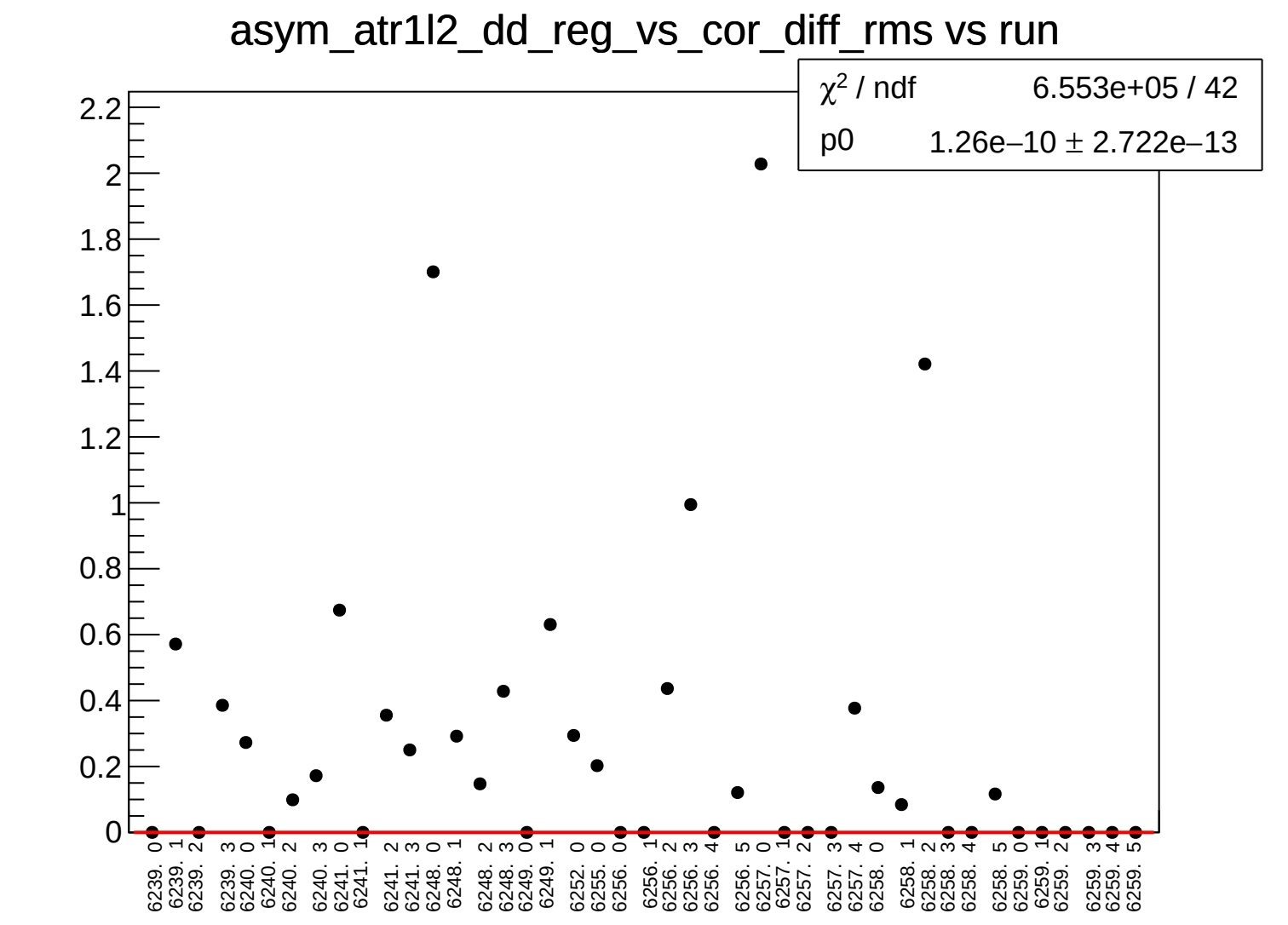

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 38.69 / 42
p0 752.4 ± 4793
120
100
80
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.96
Std Dev 0
2
1
0
−1
−2

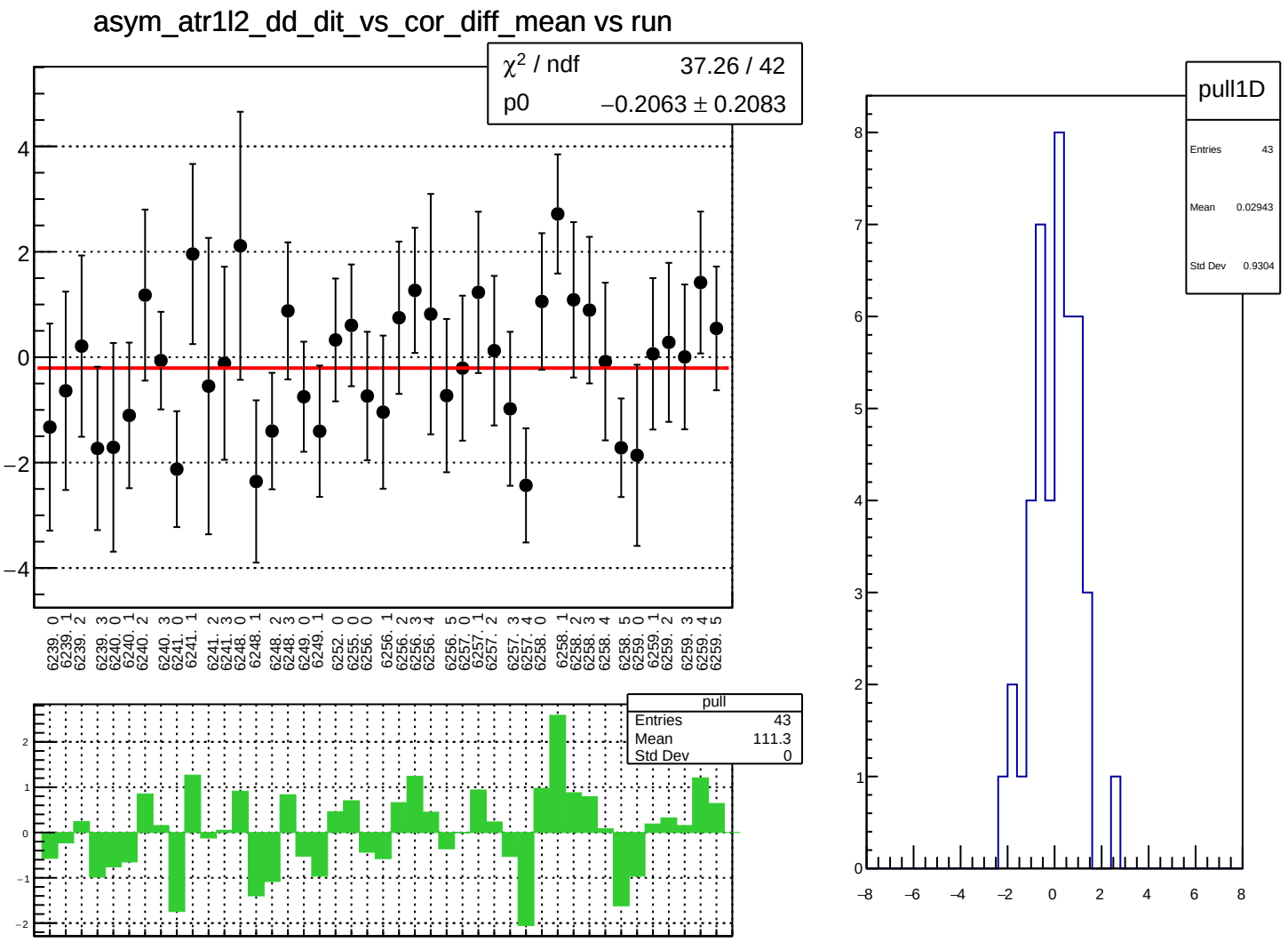

pull1D
Entries 43
Mean 0.03538
Std Dev 0.9478
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

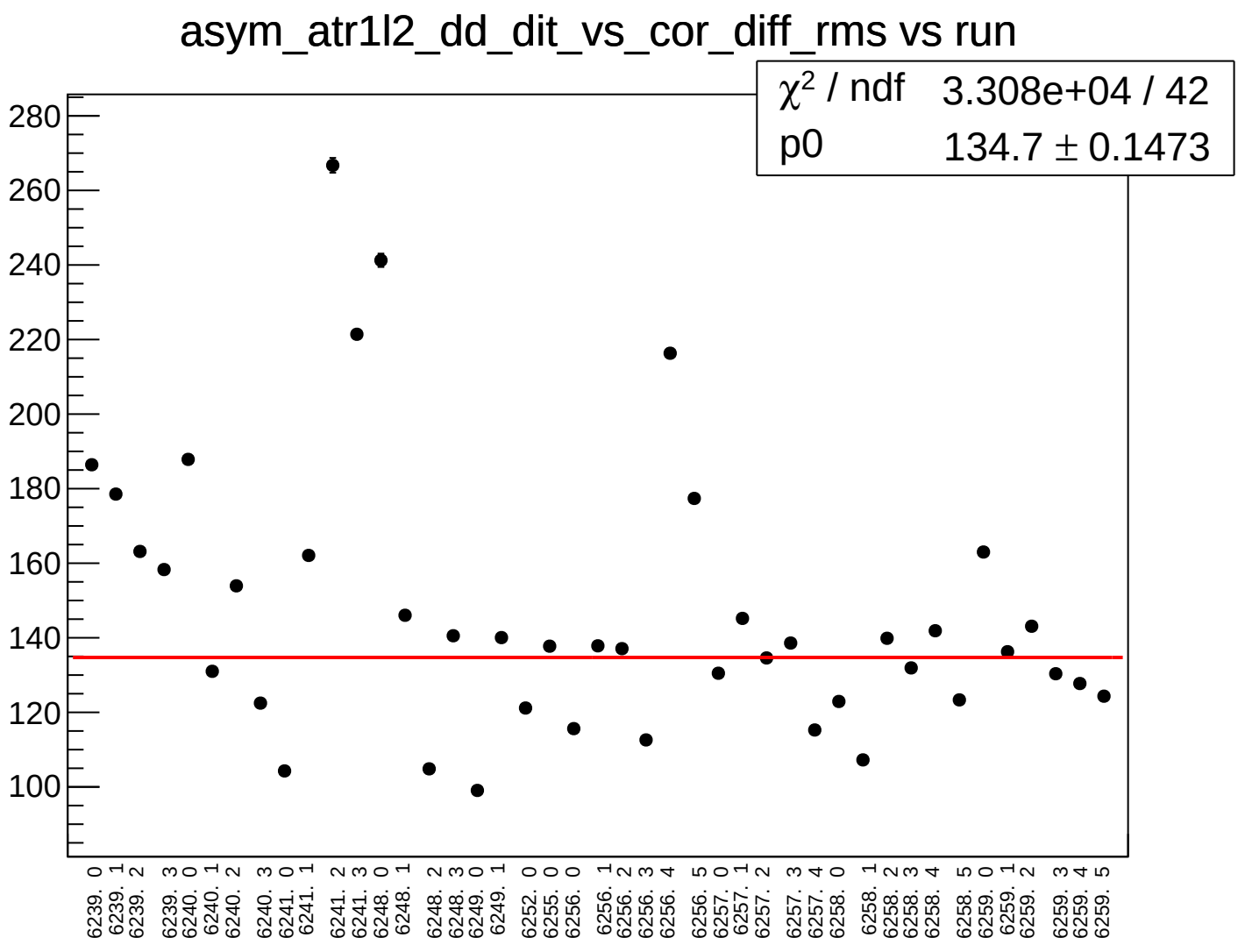

asym_atr1l2_dd_rms vs run
χ² / ndf 820.2 / 42
p0 3158 ± 3.389
3400
3300
3200
3100
3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.73 / 42
p0 2.276e−13 ± 3.85e−13
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

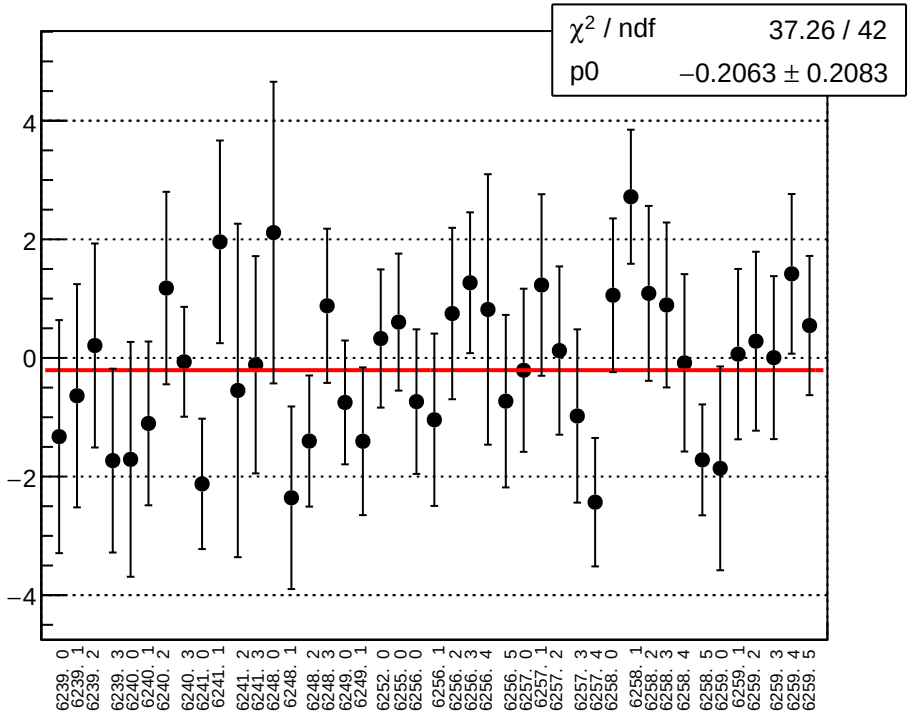

pull1D
Entries 43
Mean 0.23
Std Dev 0.8277
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

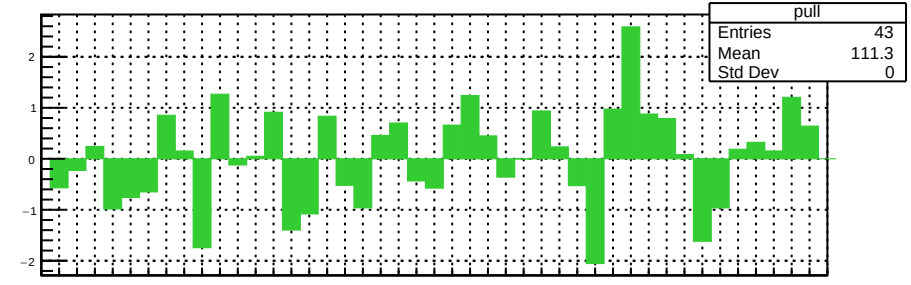

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.553e+05 / 42
p0 1.26e−10 ± 2.722e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

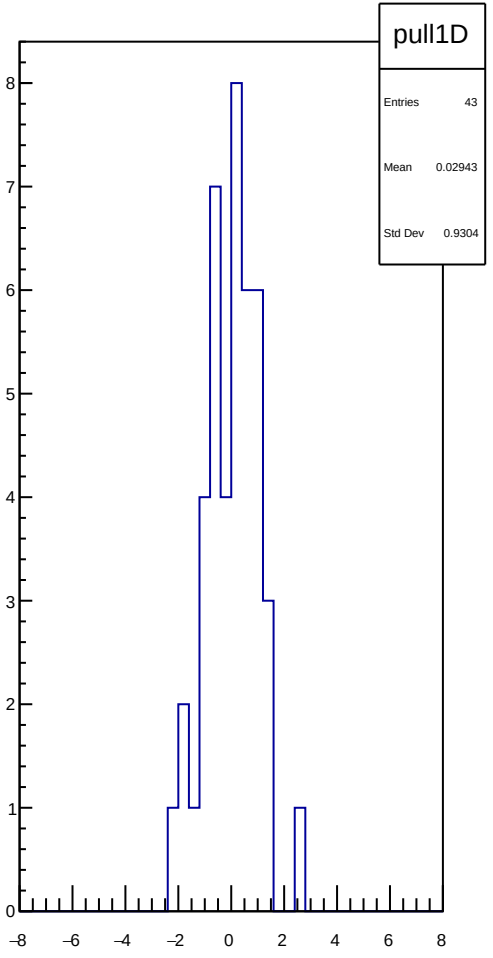

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.26 / 42
p0 −0.2063 ± 0.2083
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02943
Std Dev 0.9304
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

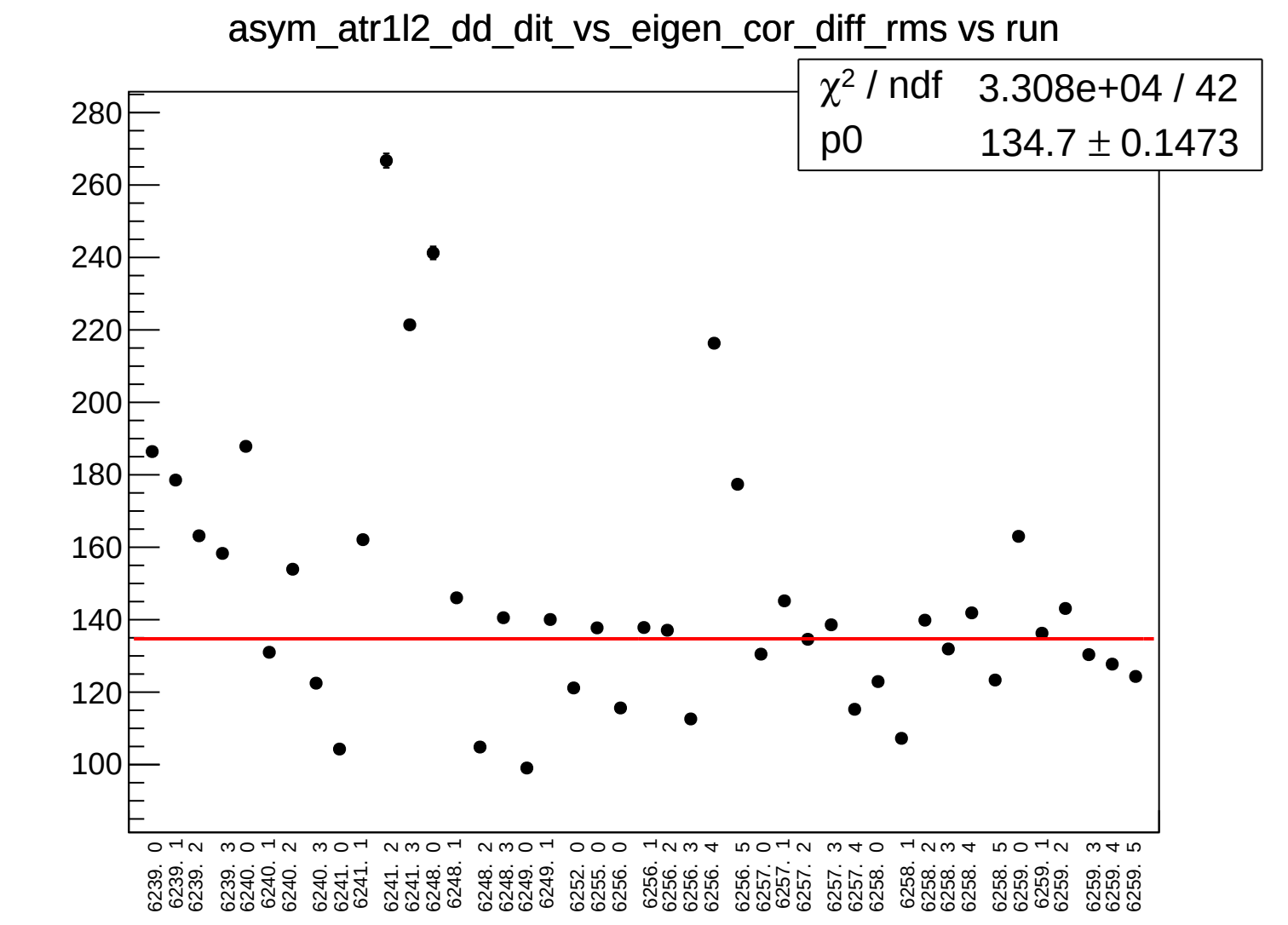

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 42
p0 134.7 ± 0.1473
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

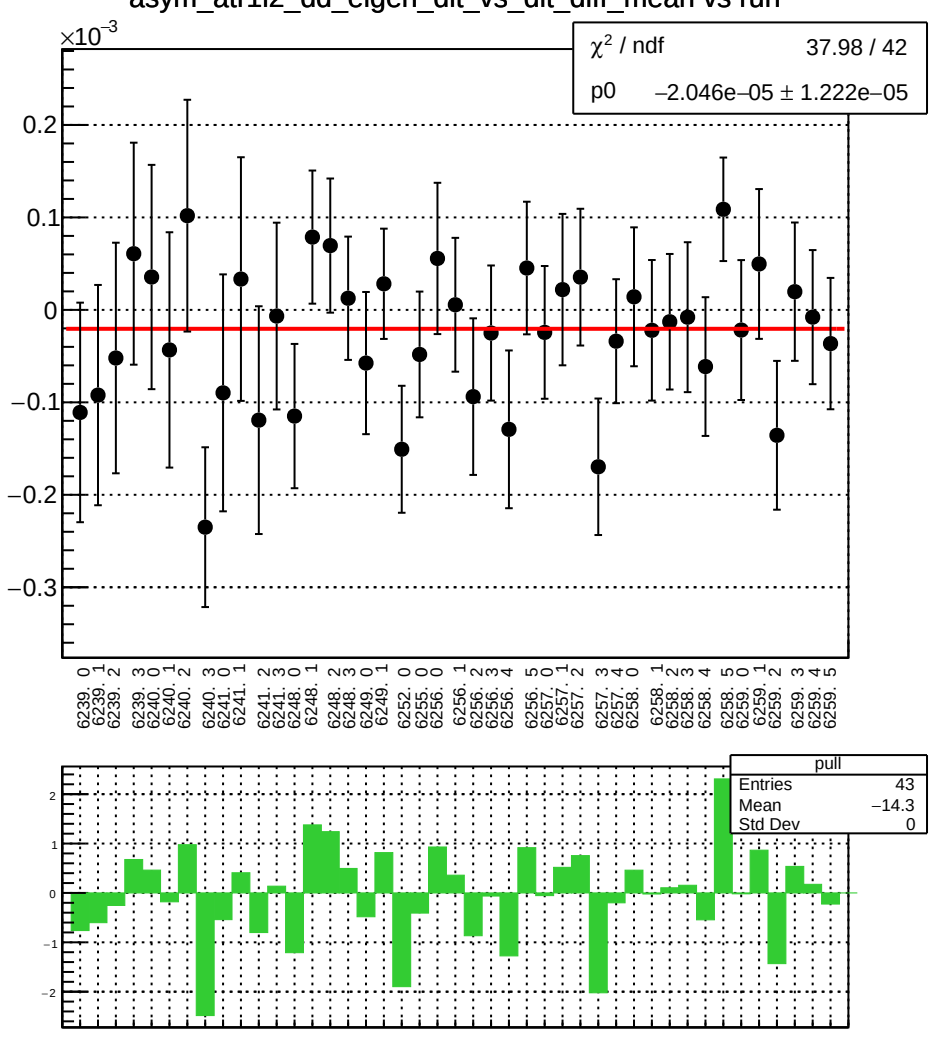
asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run

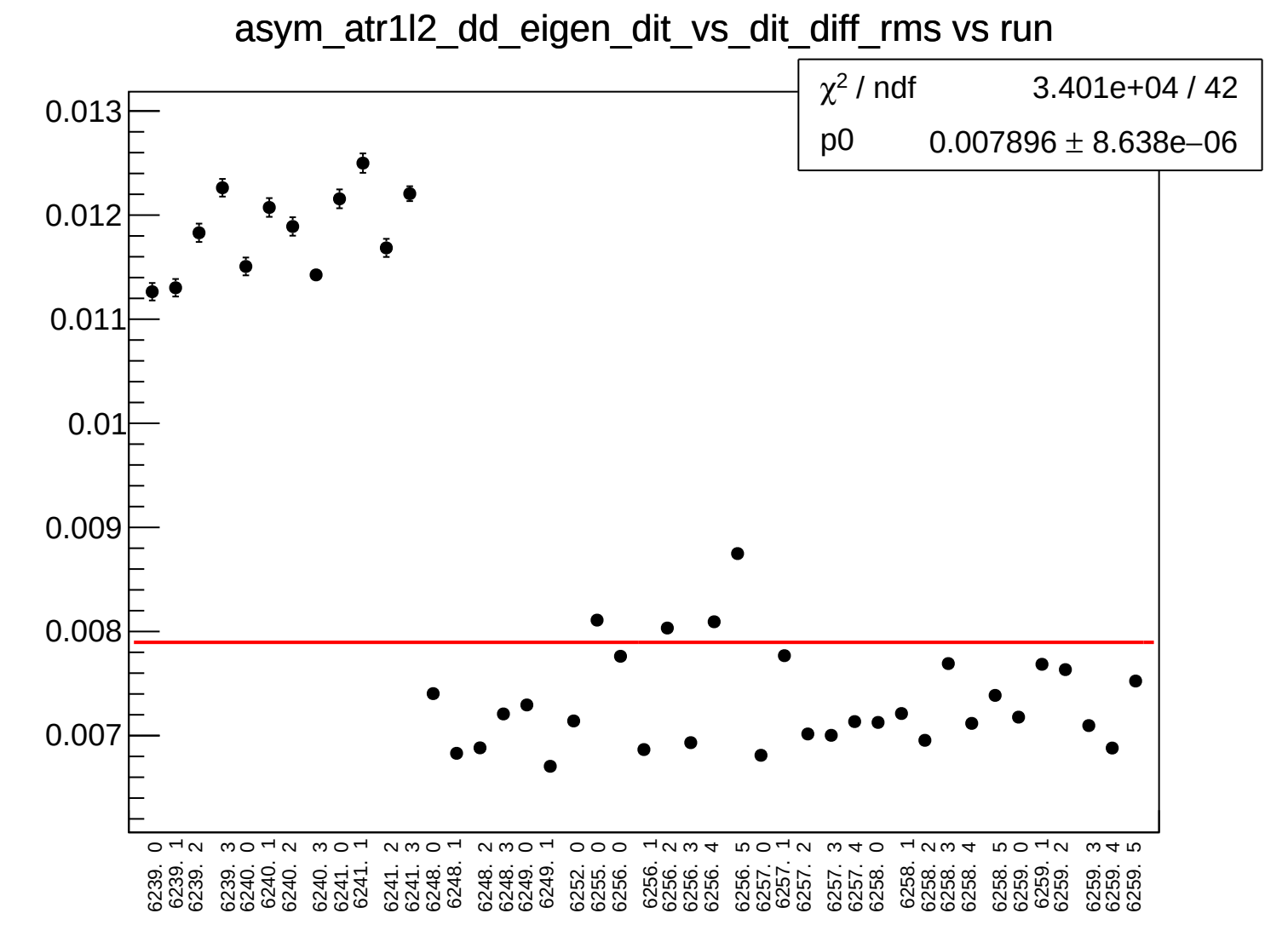


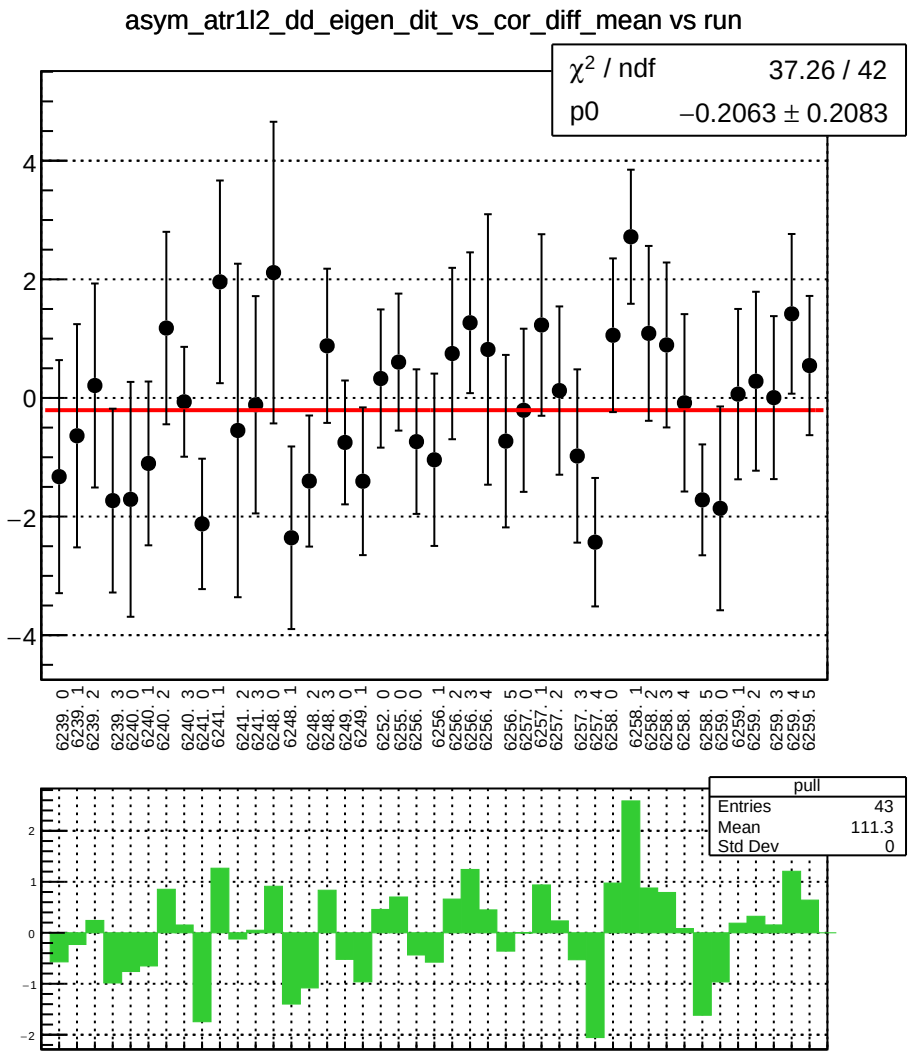



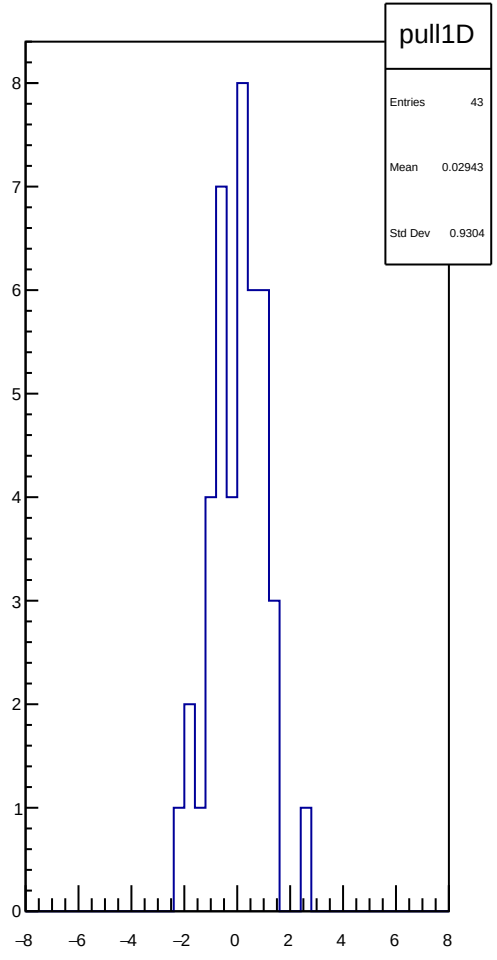



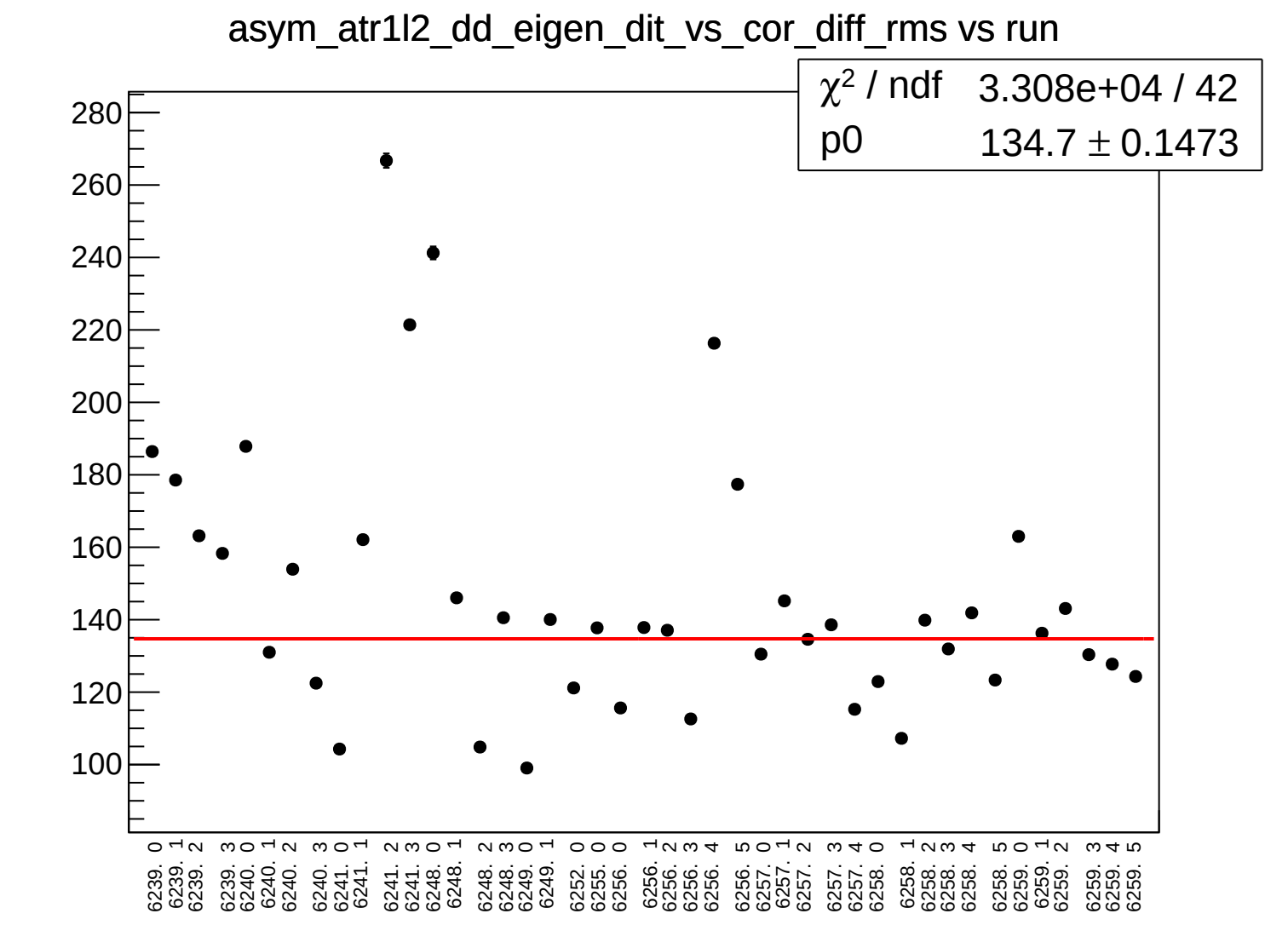

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 42
p0 134.7 ± 0.1473
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

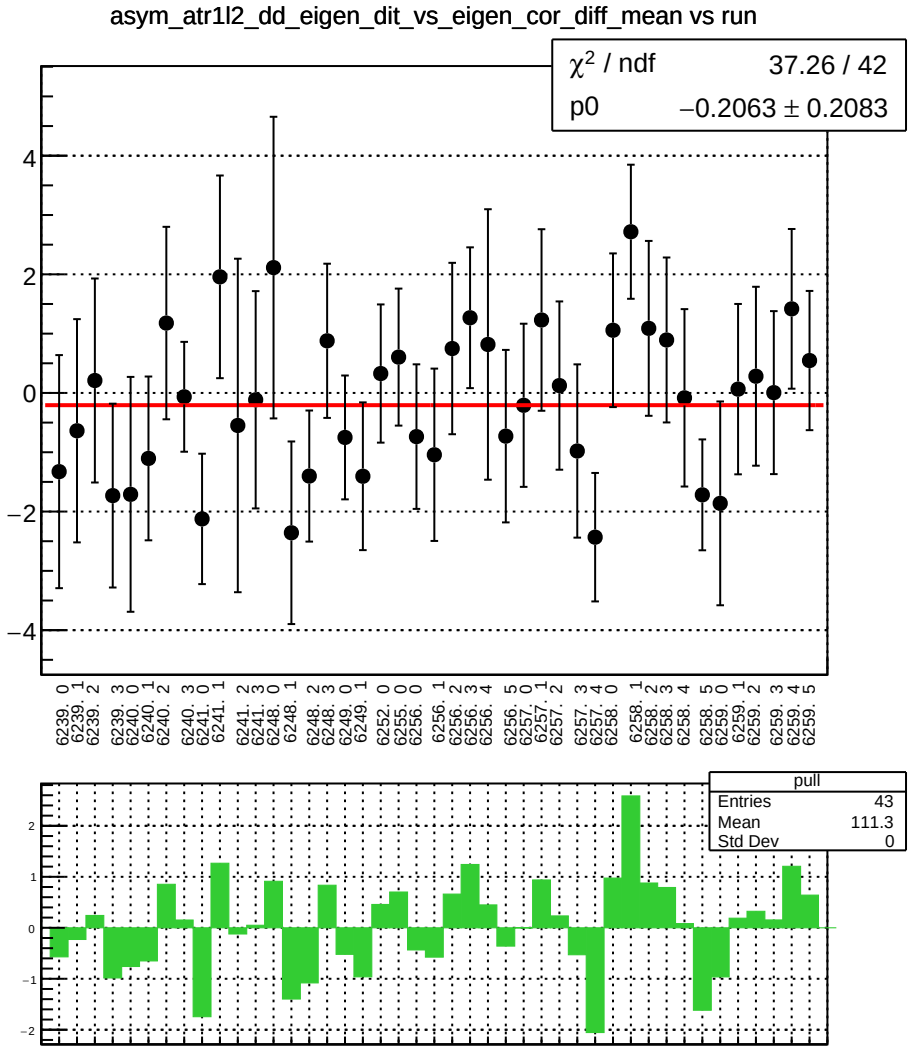

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.98 / 42
p0 −2.046e−05 ± 1.222e−05
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −14.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03872
Std Dev 0.9391
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

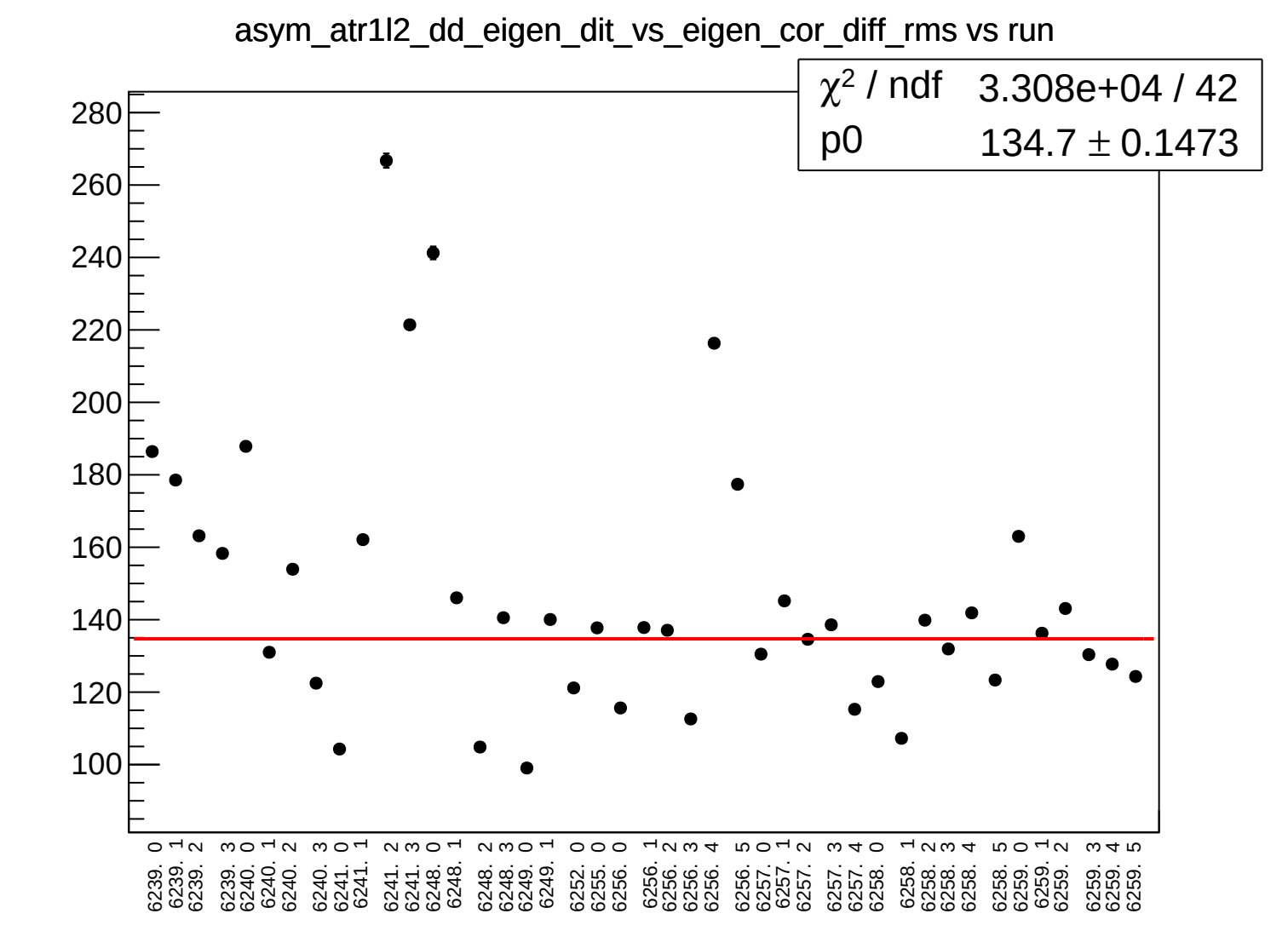

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.401e+04 / 42
p0 0.007896 ± 8.638e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

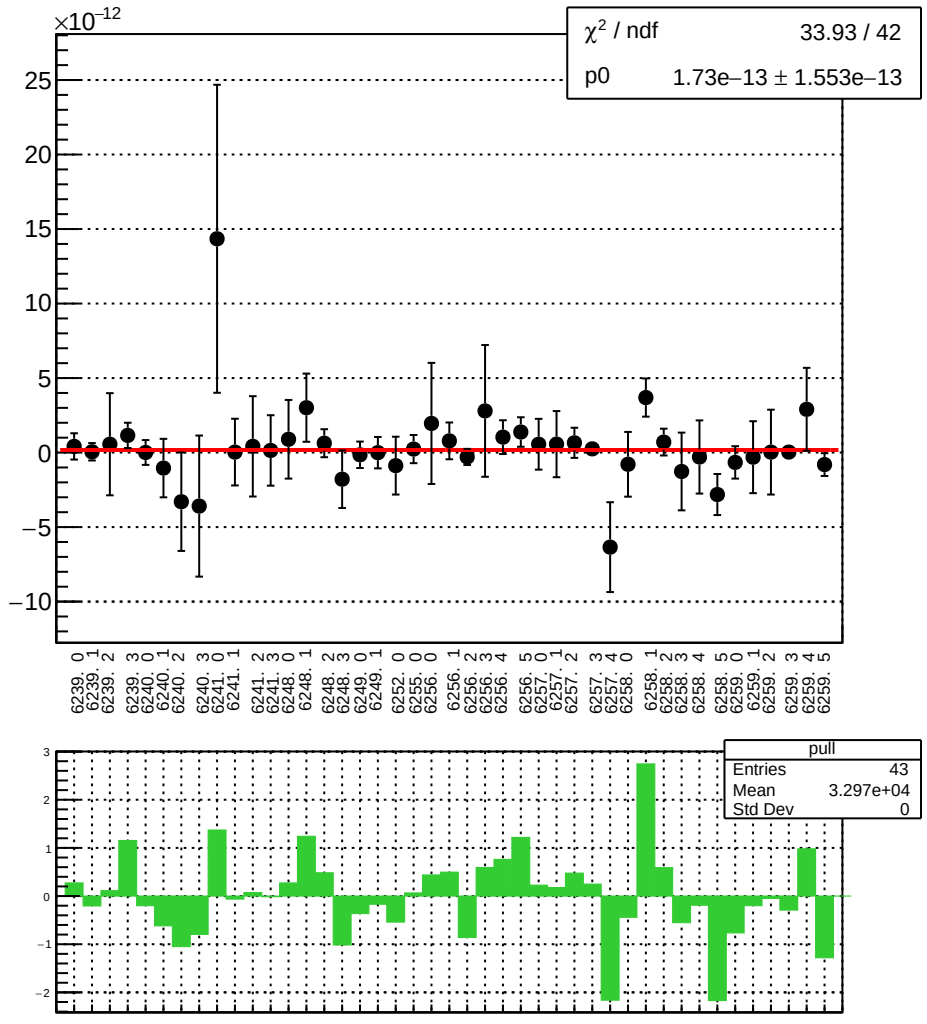

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.26 / 42
p0 −0.2063 ± 0.2083
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.3
Std Dev 0
2
1
0
−1
−2

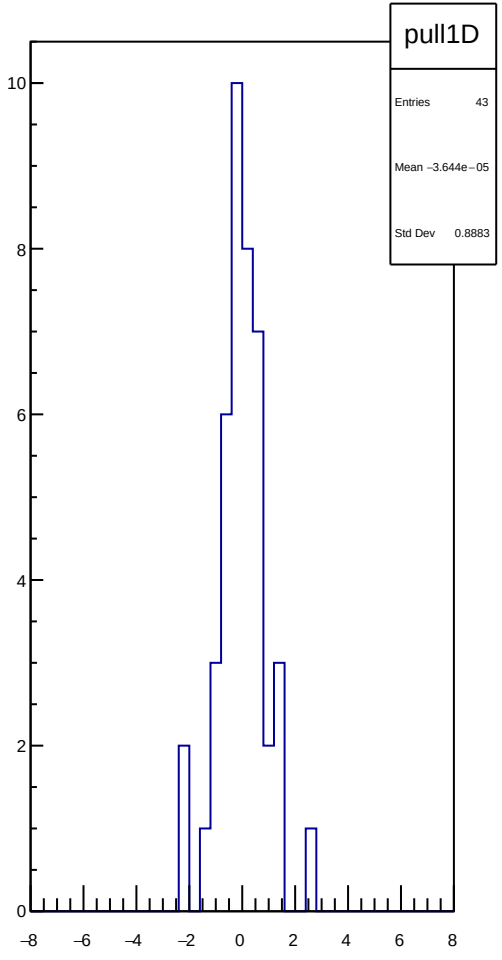

pull1D
Entries 43
Mean 0.02943
Std Dev 0.9304
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

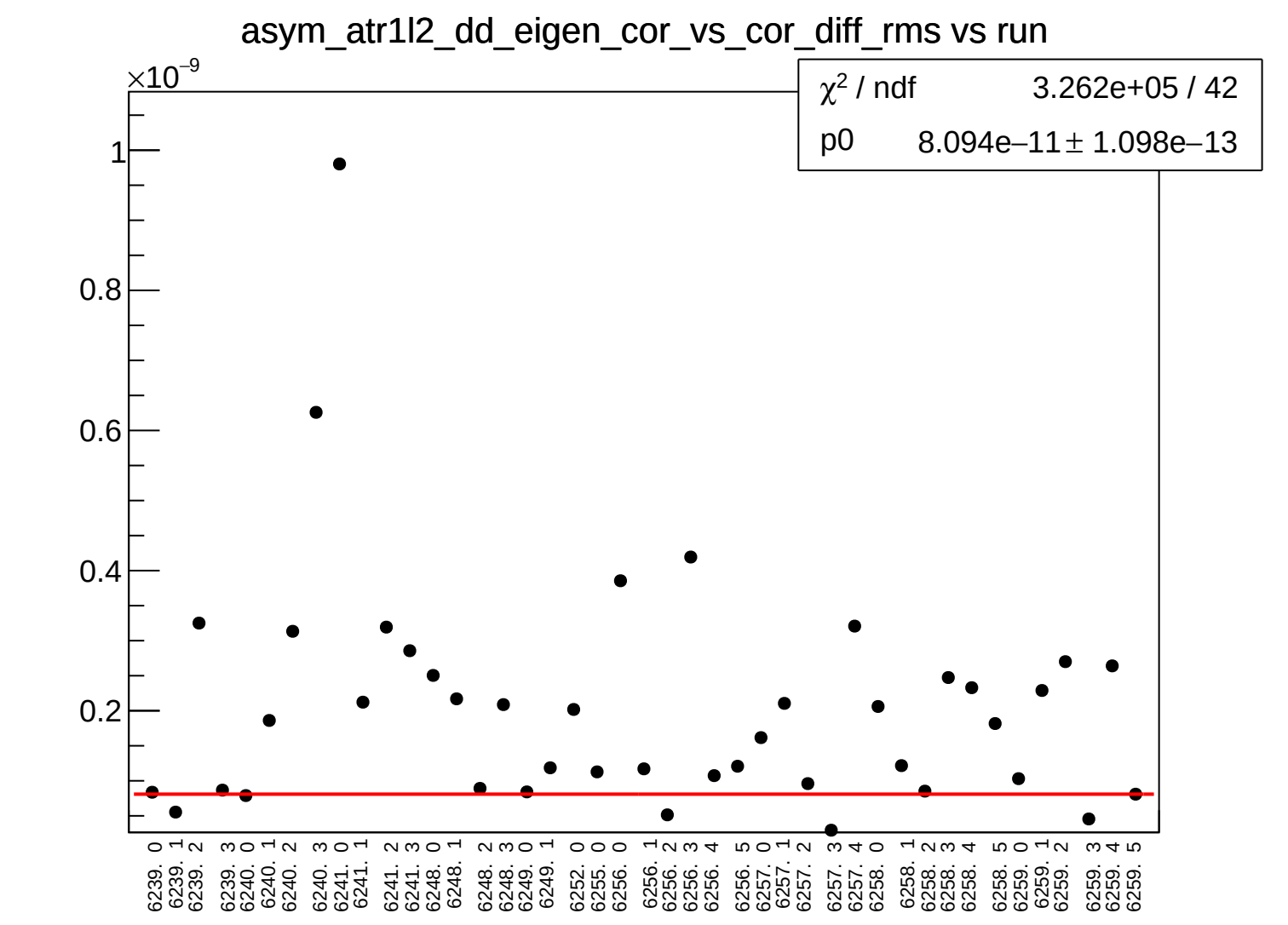

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 42
p0 134.7 ± 0.1473
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

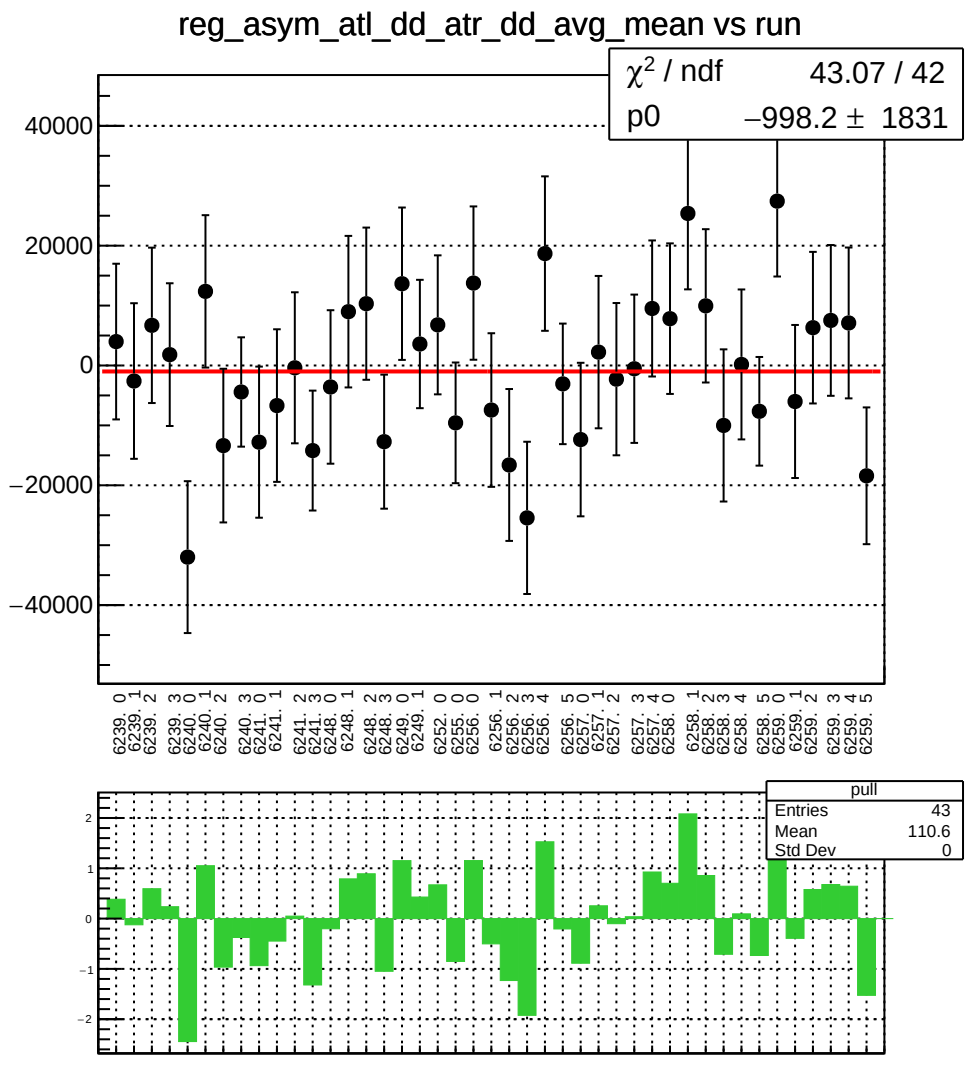

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.26 / 42
p0 −0.2063 ± 0.2083
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02943
Std Dev 0.9304
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

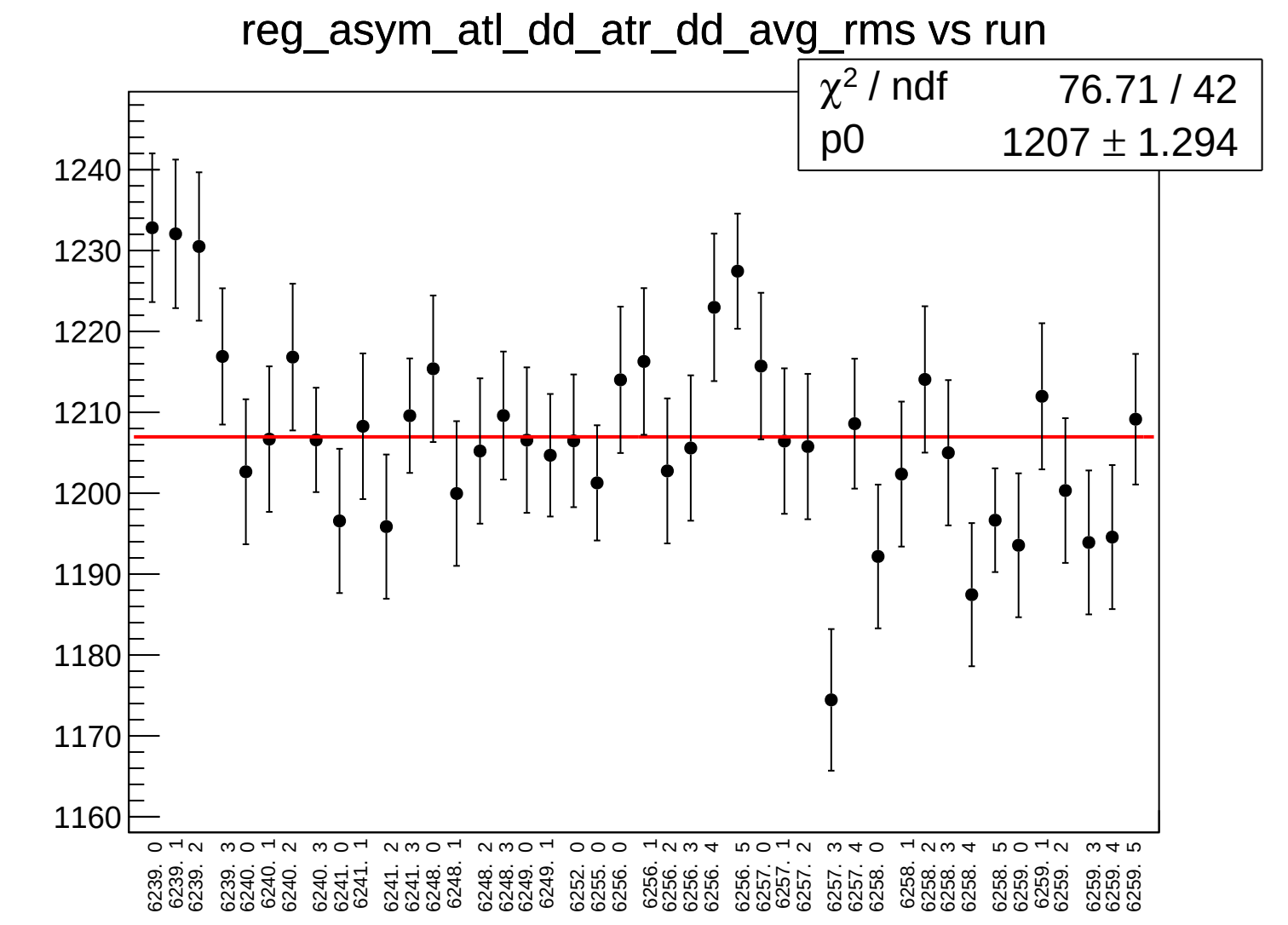

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 42
p0 134.7 ± 0.1473
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

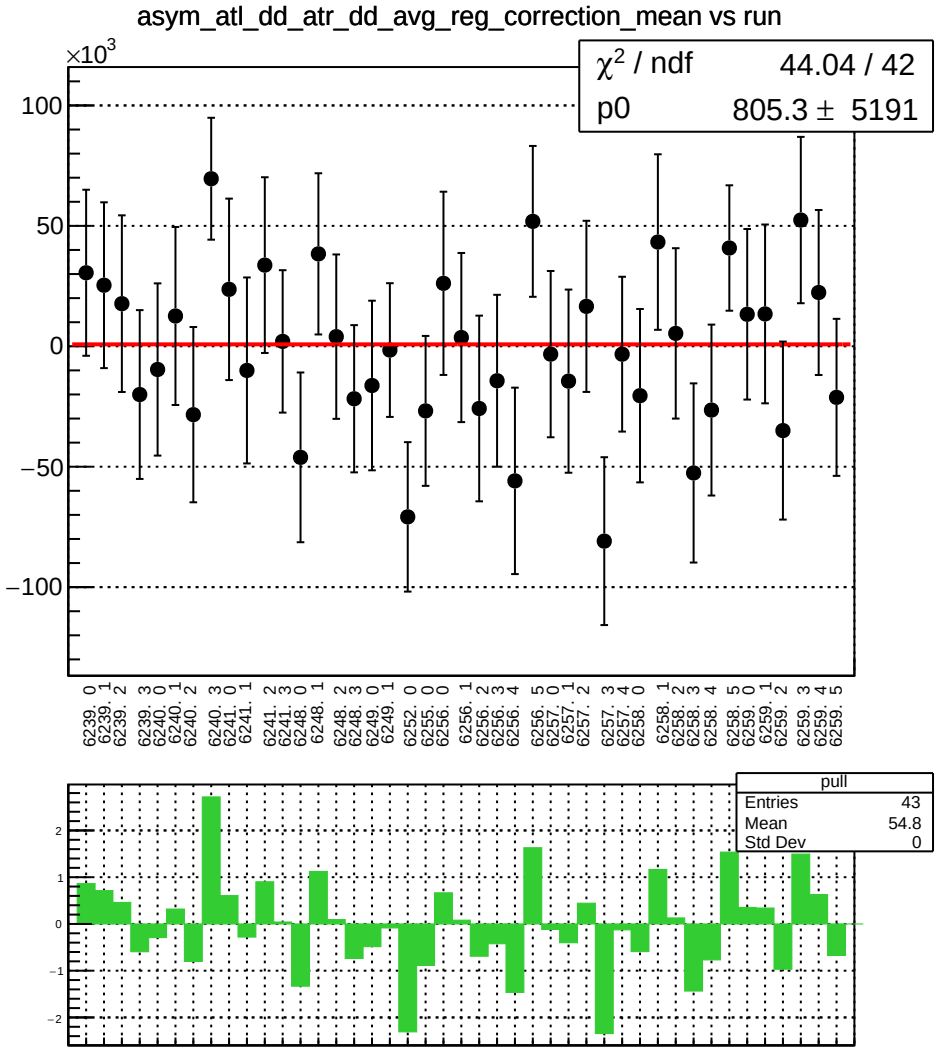

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.93 / 42
p0 1.73e−13 ± 1.553e−13
25
20
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.297e+04
Std Dev 0
3
2
1
0
−1
−2

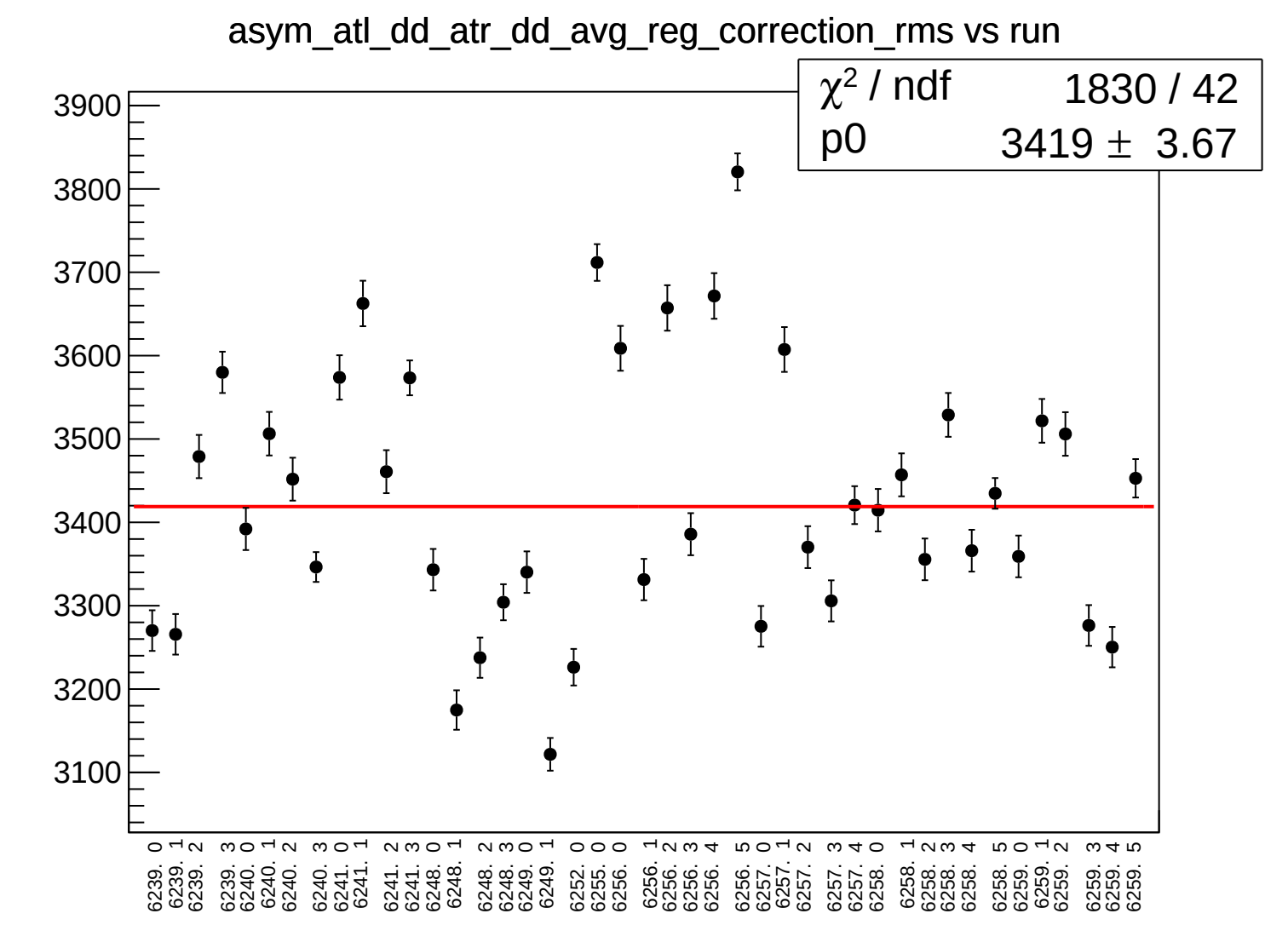

pull1D
Entries 43
Mean −3.644e−05
Std Dev 0.8883
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

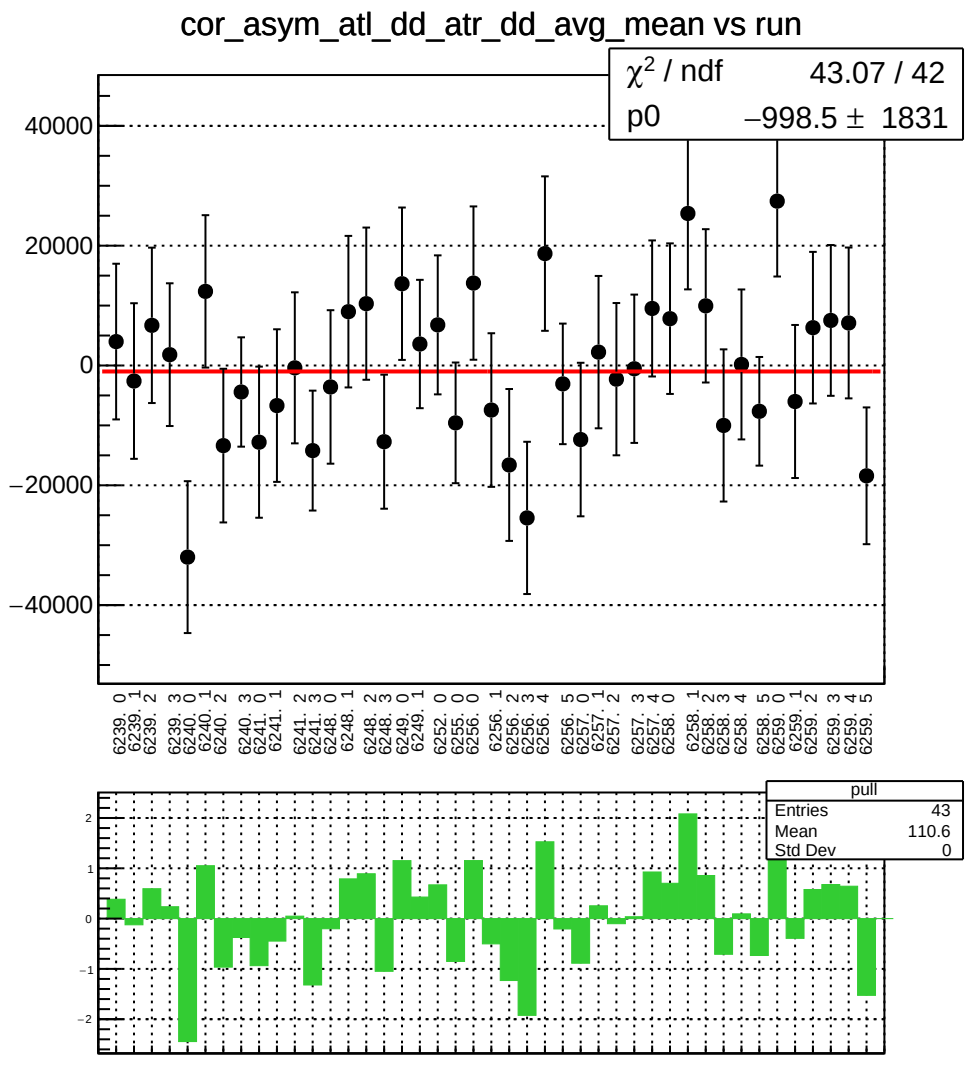

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.262e+05 / 42
p0 8.094e−11 ± 1.098e−13
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

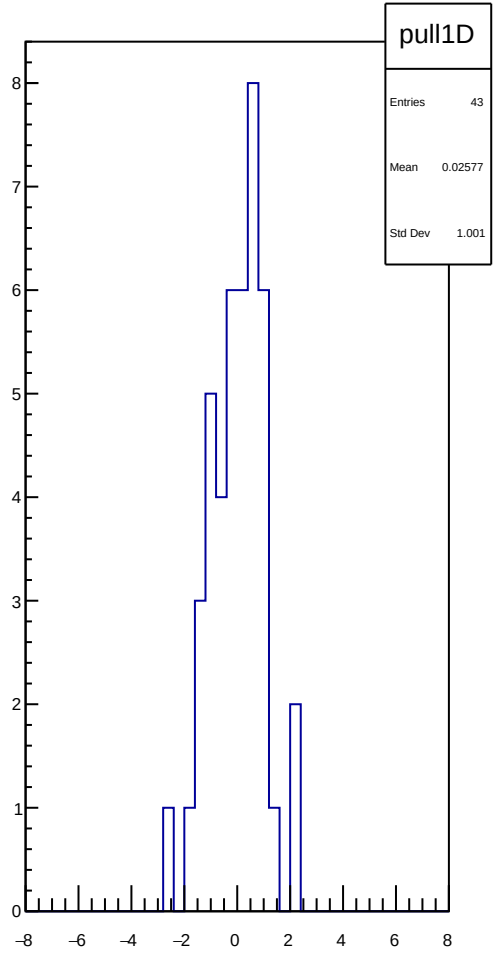

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 43.07 / 42
p0 −998.2 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

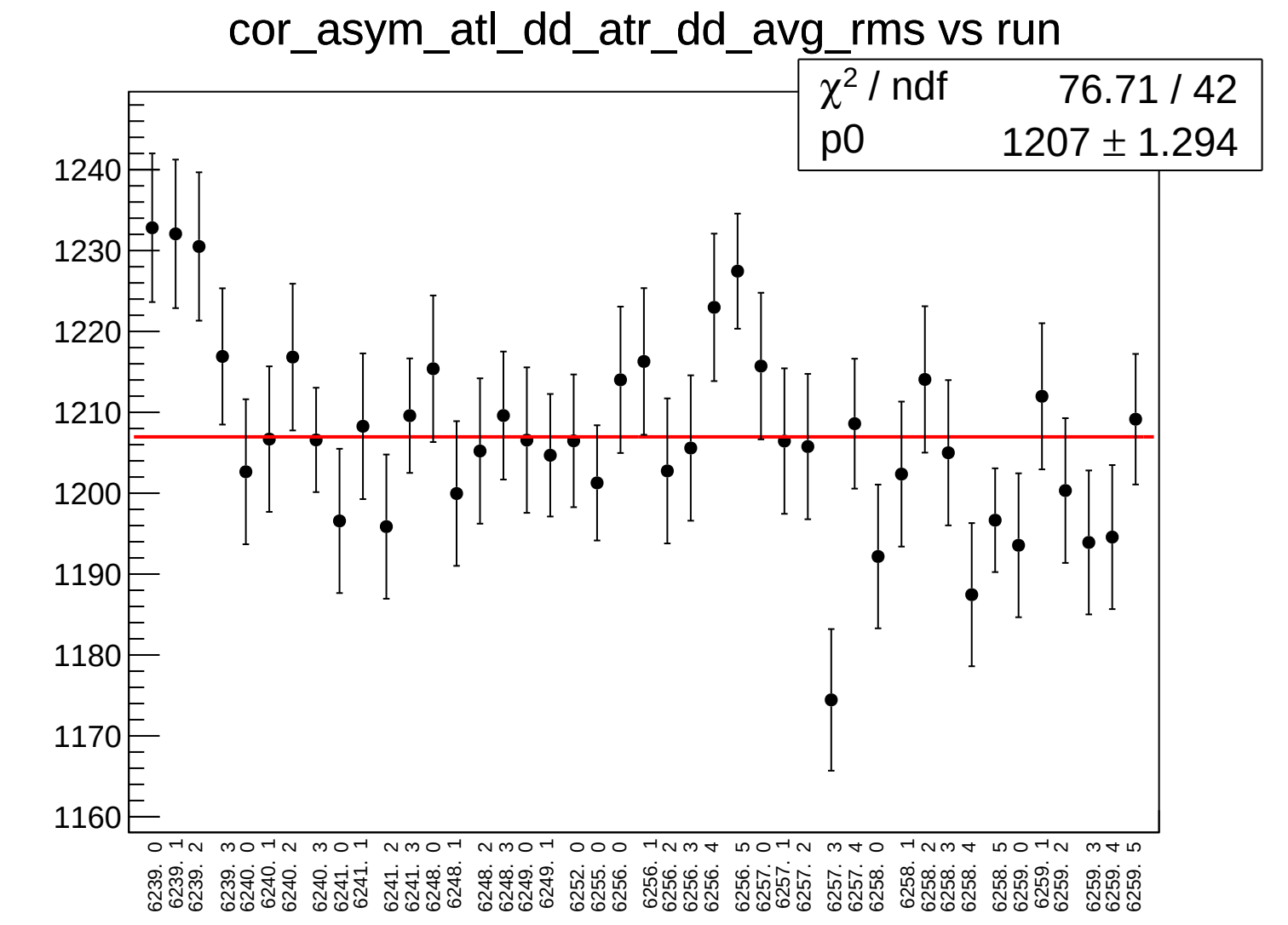

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

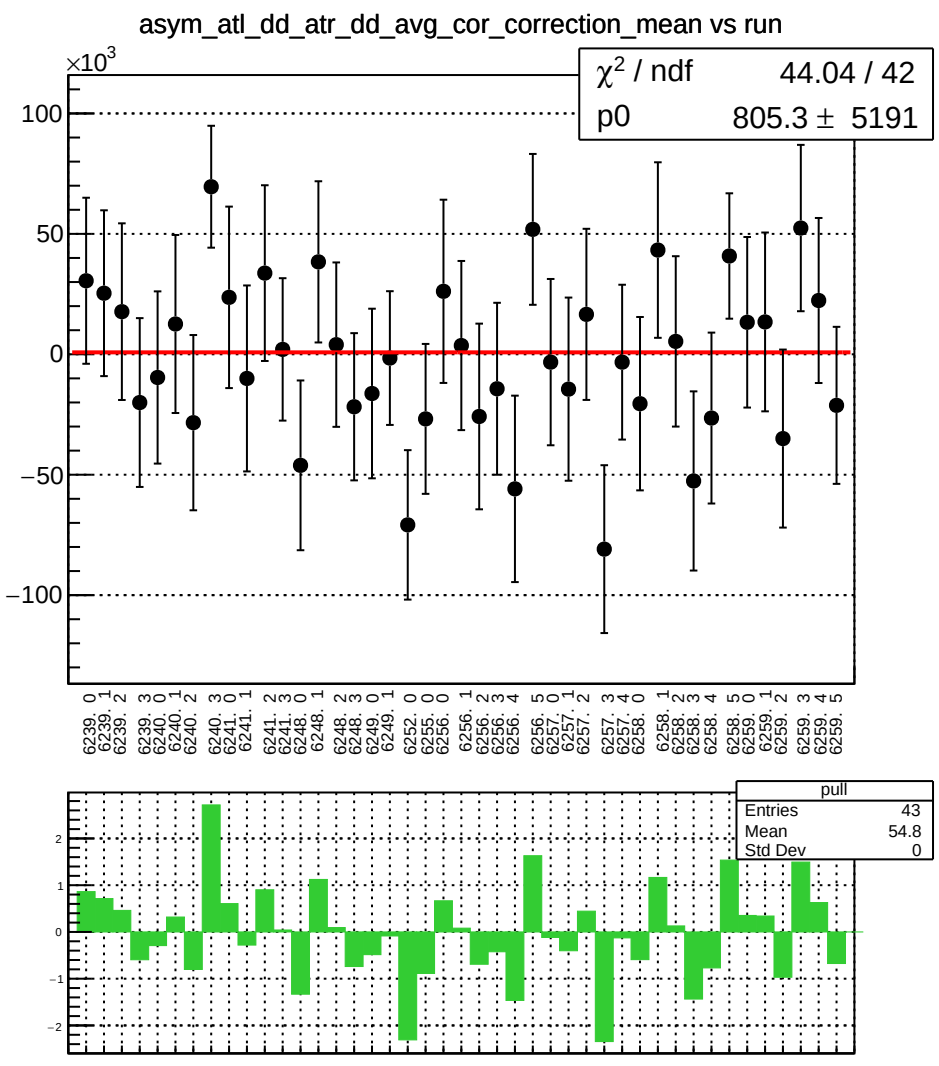

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03505
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

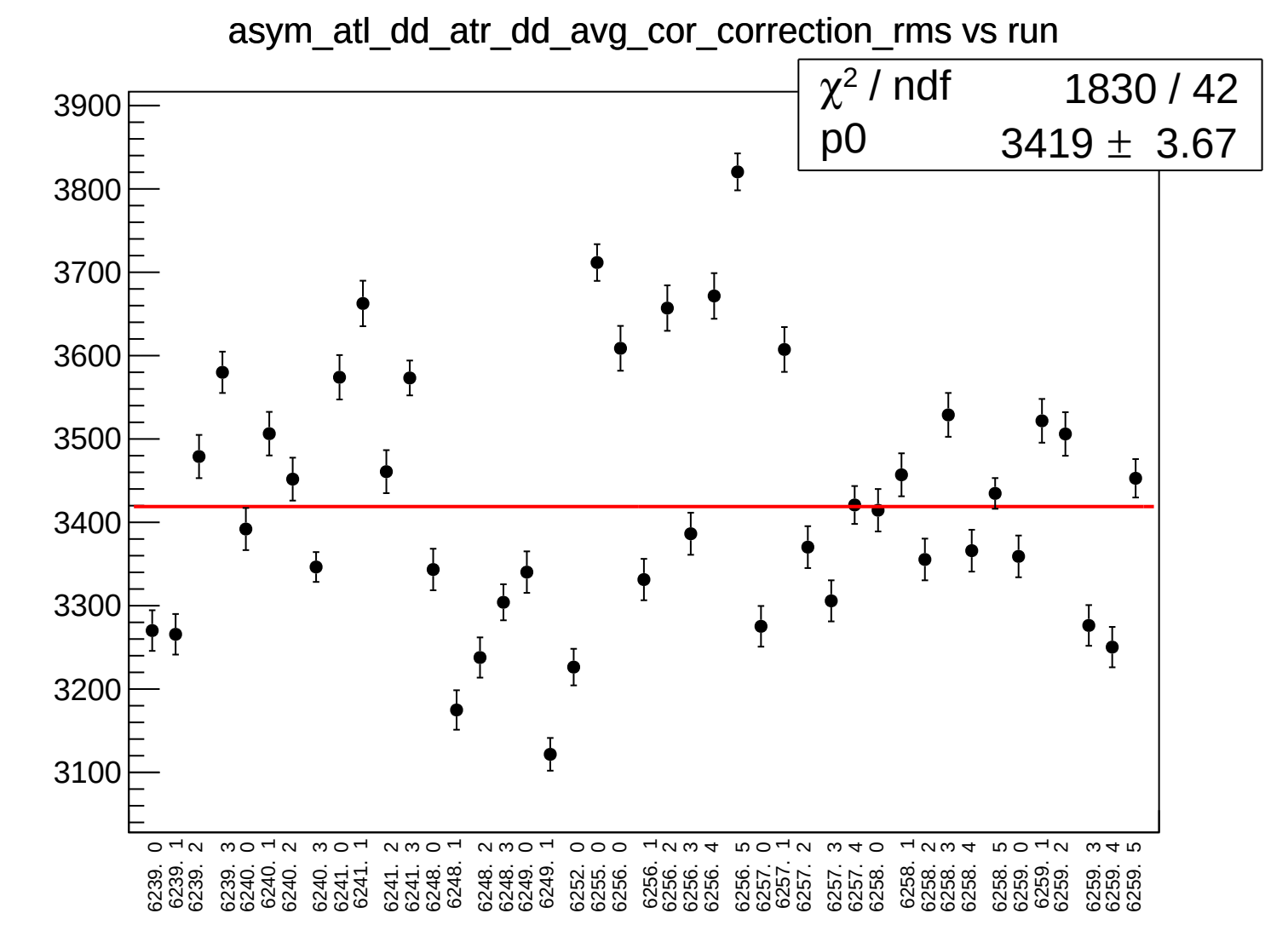

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

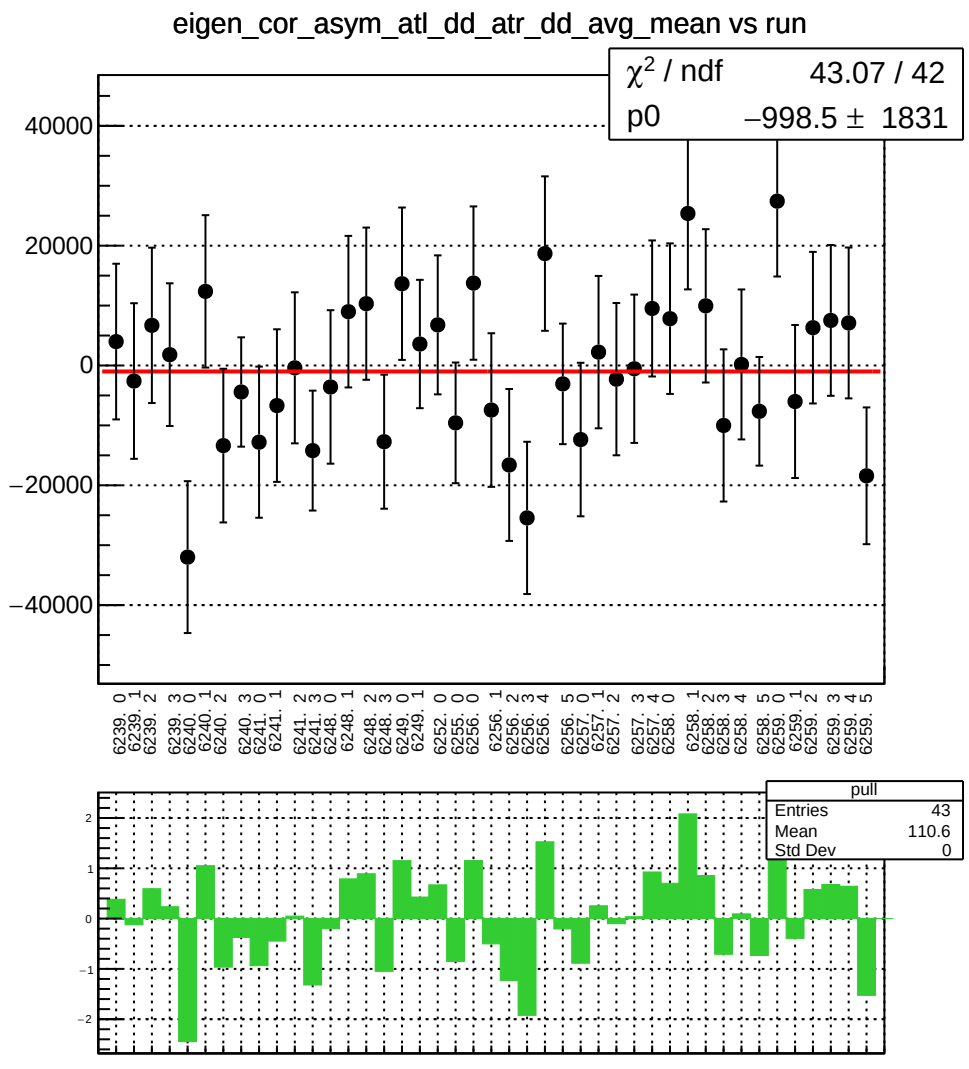

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 43.07 / 42
p0 −998.5 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2

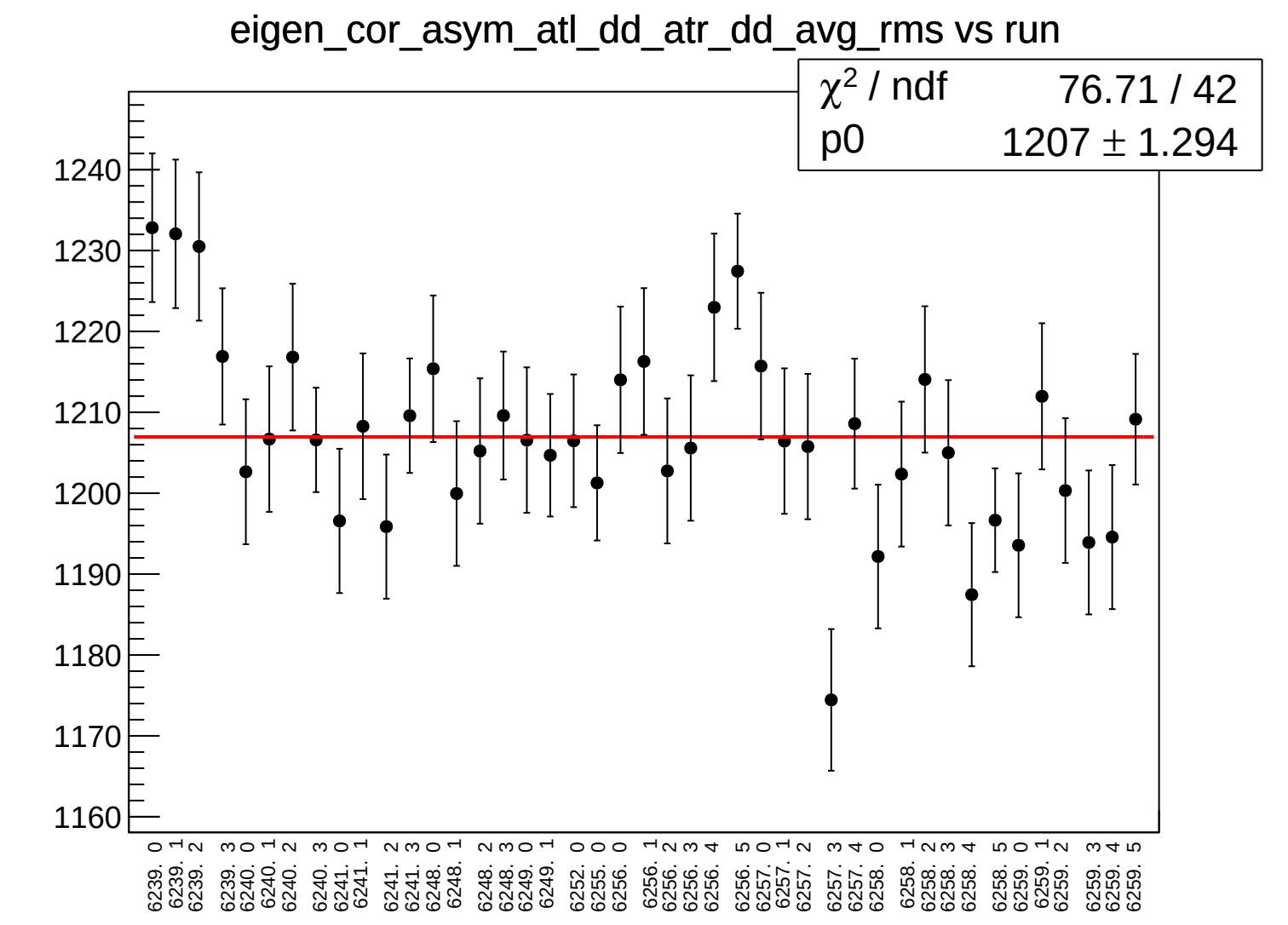

pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03506
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 43.07 / 42
p0 −998.5 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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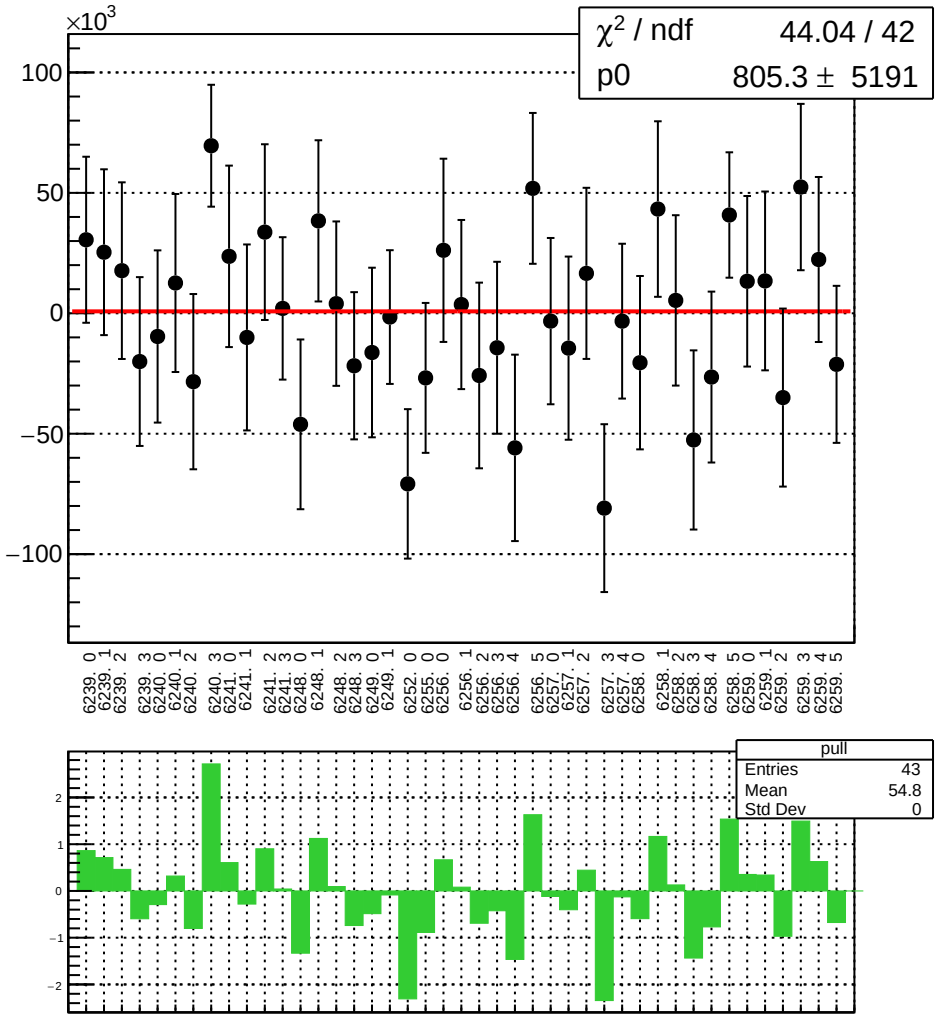
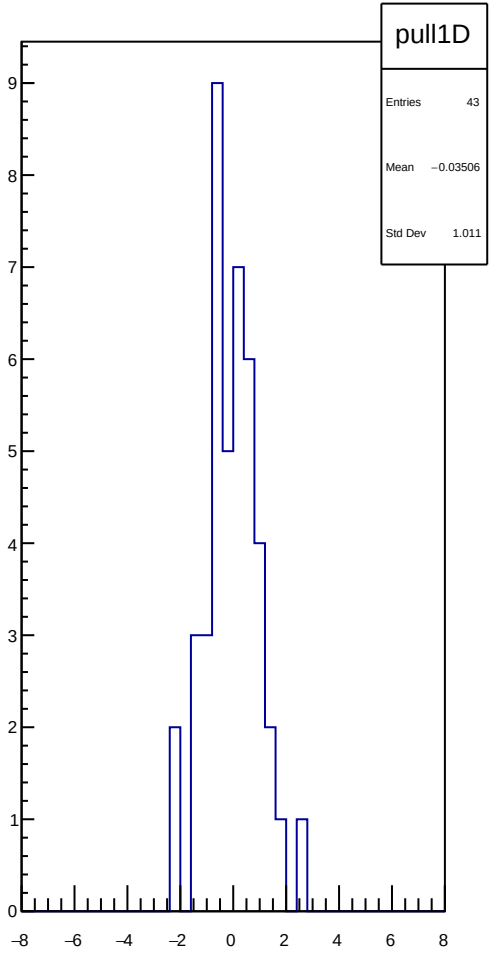
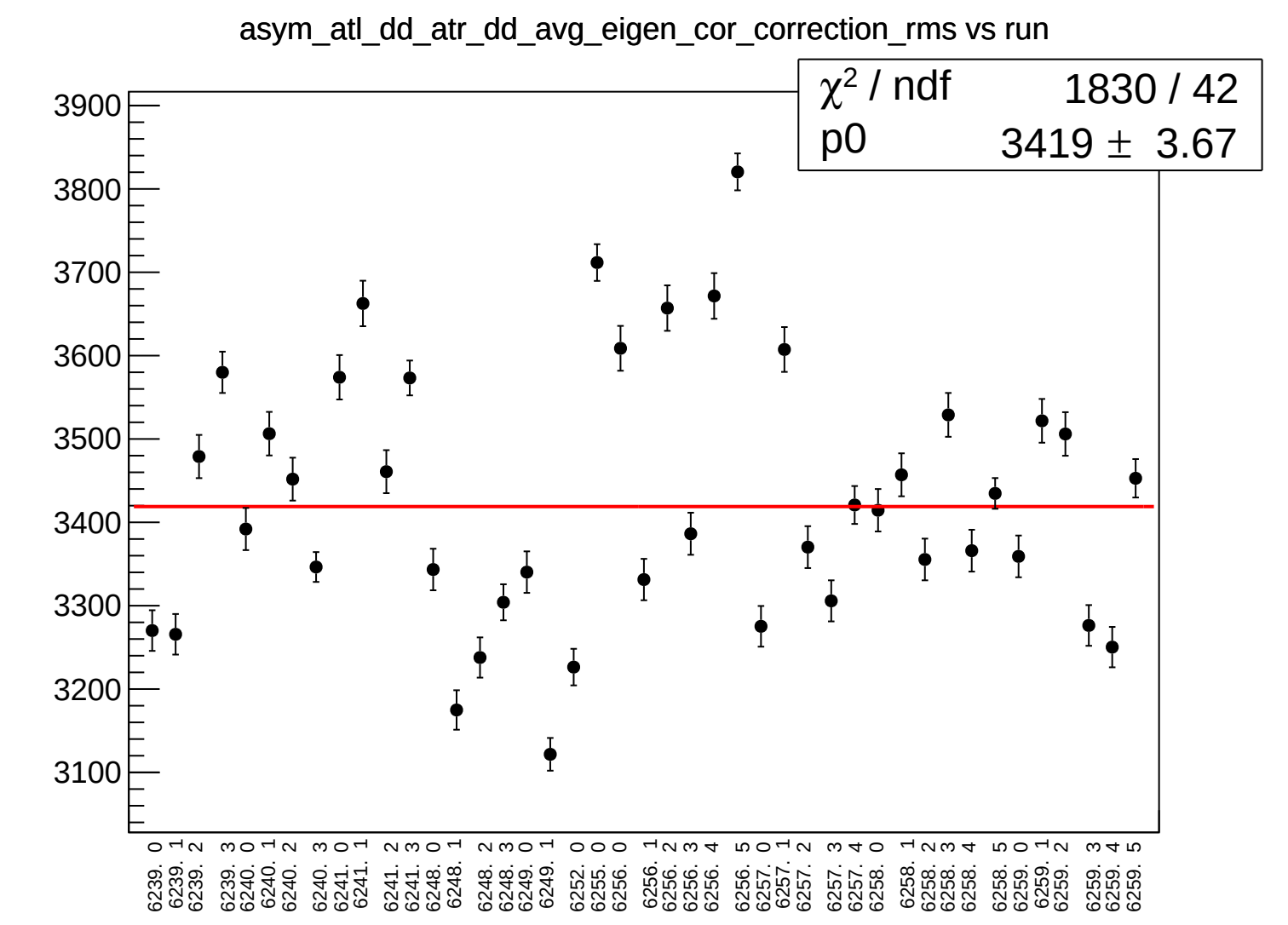
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03506
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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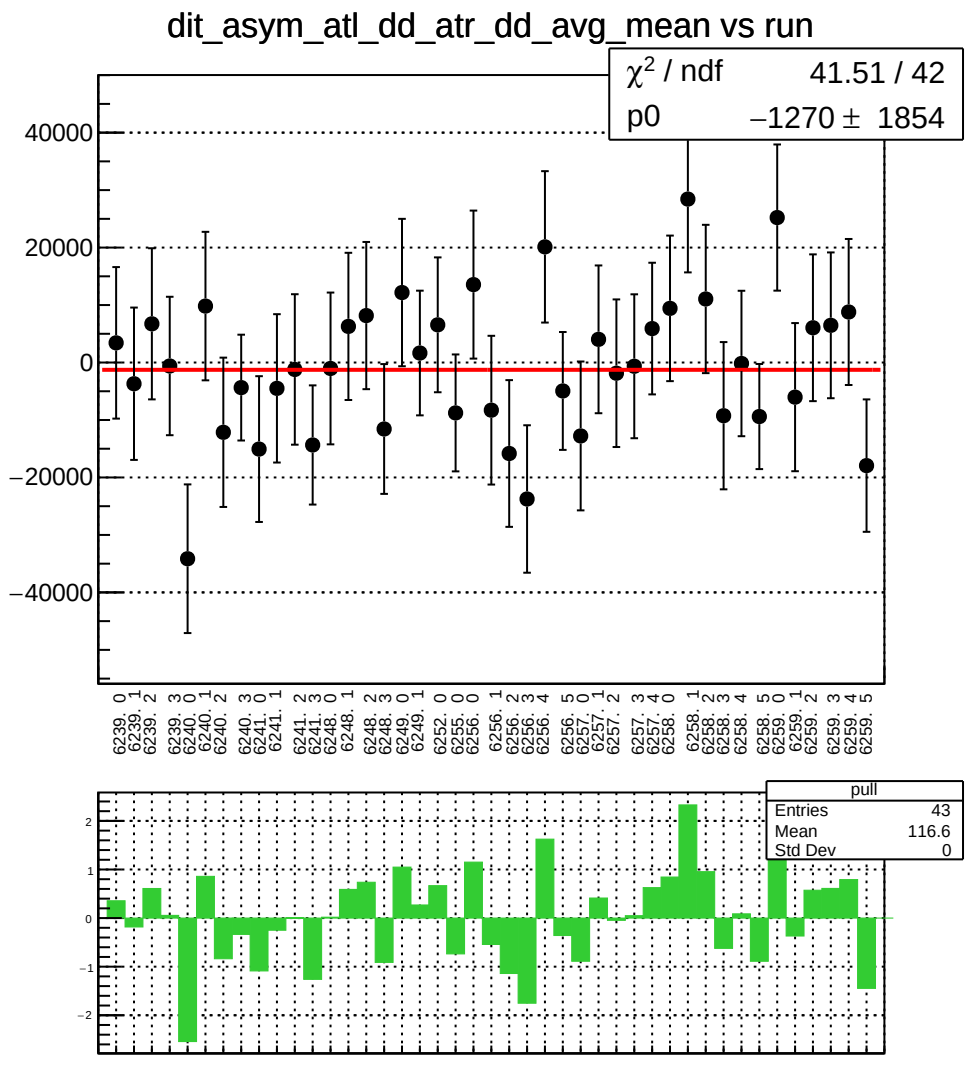
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 41.51 / 42
p0 −1270 ± 1854
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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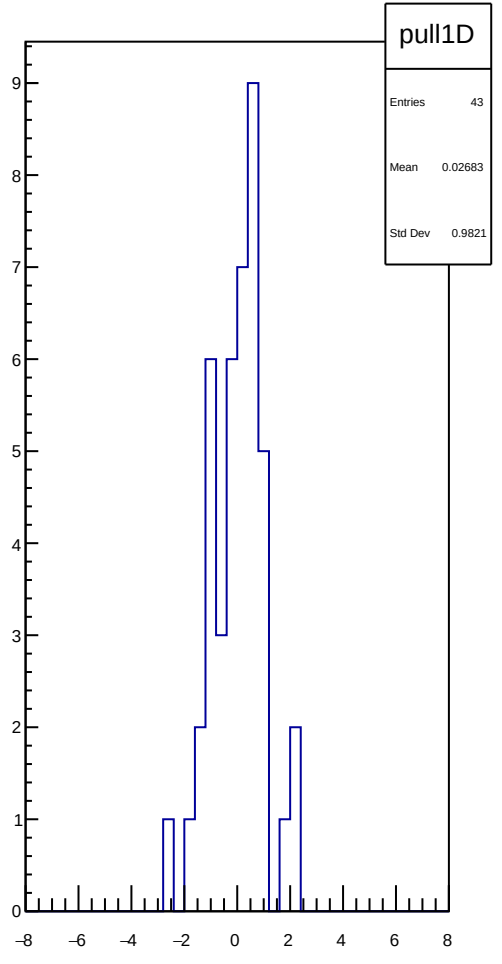
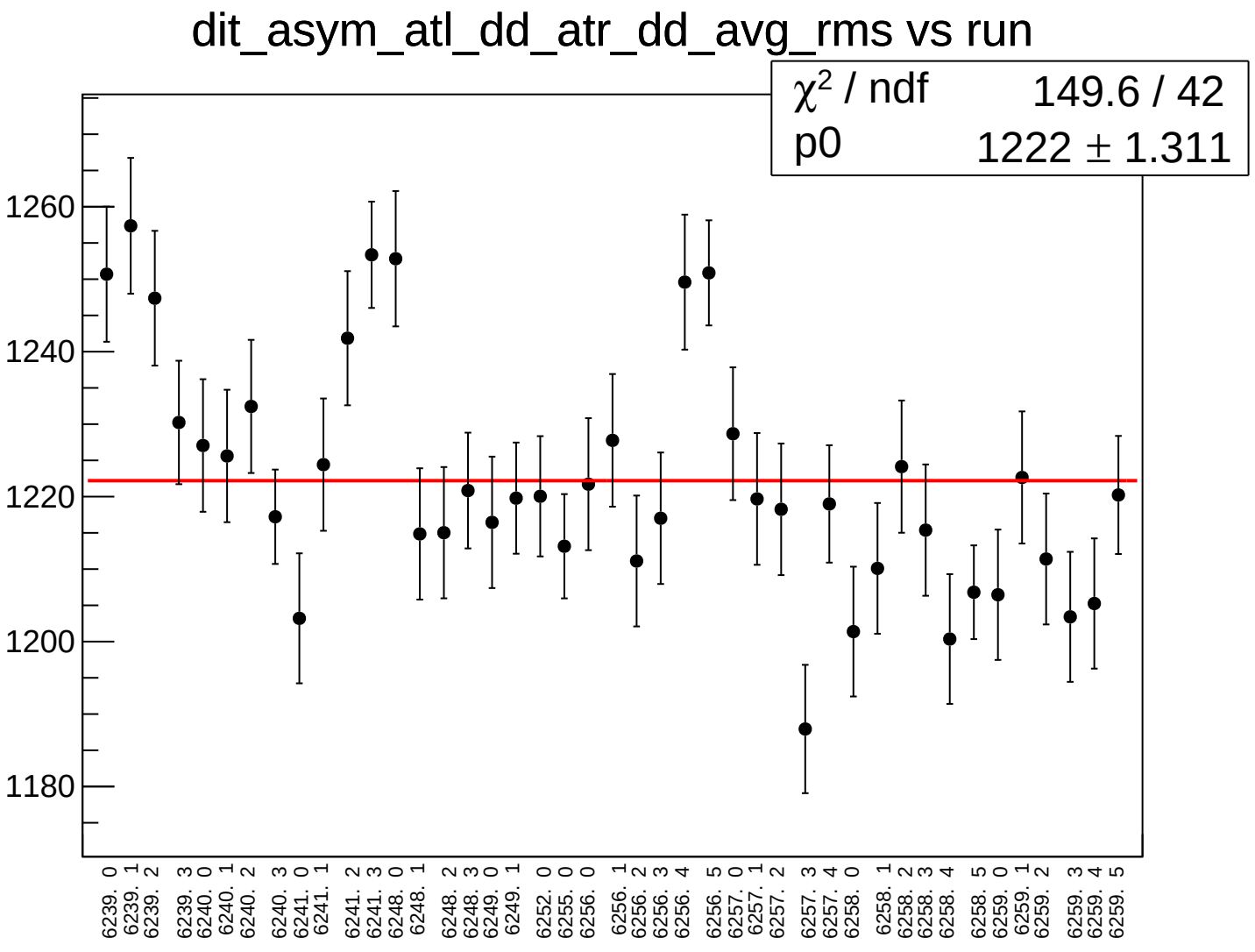
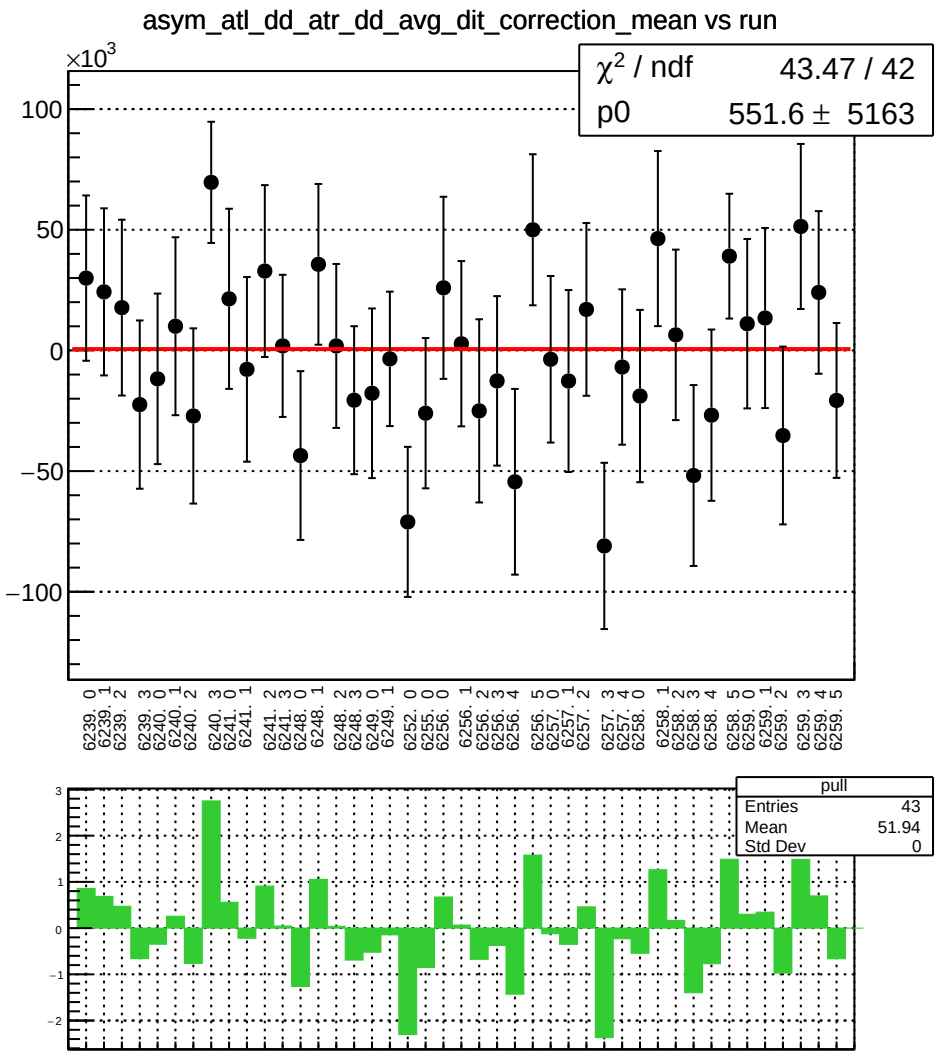
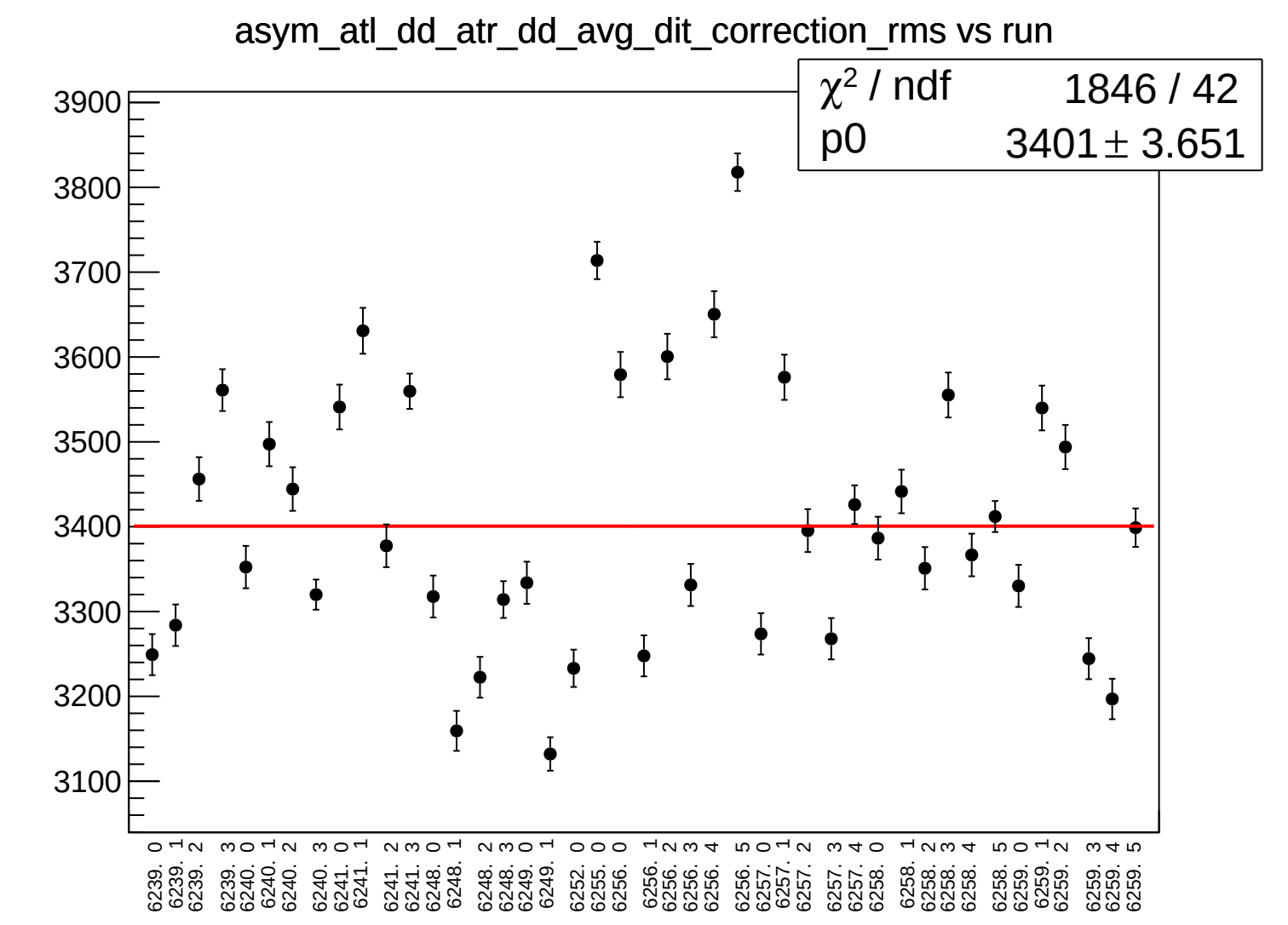
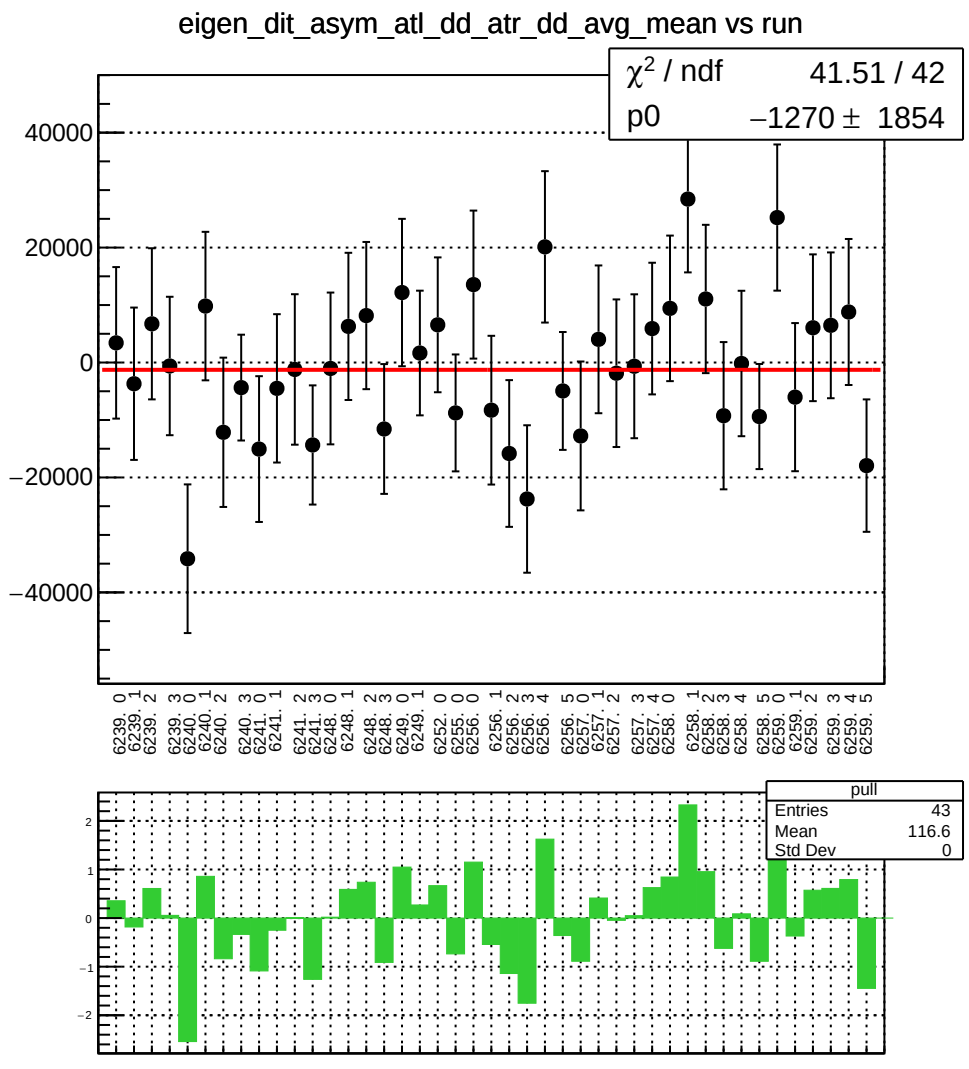
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.6
Std Dev 0
2
1
0
−1
−2

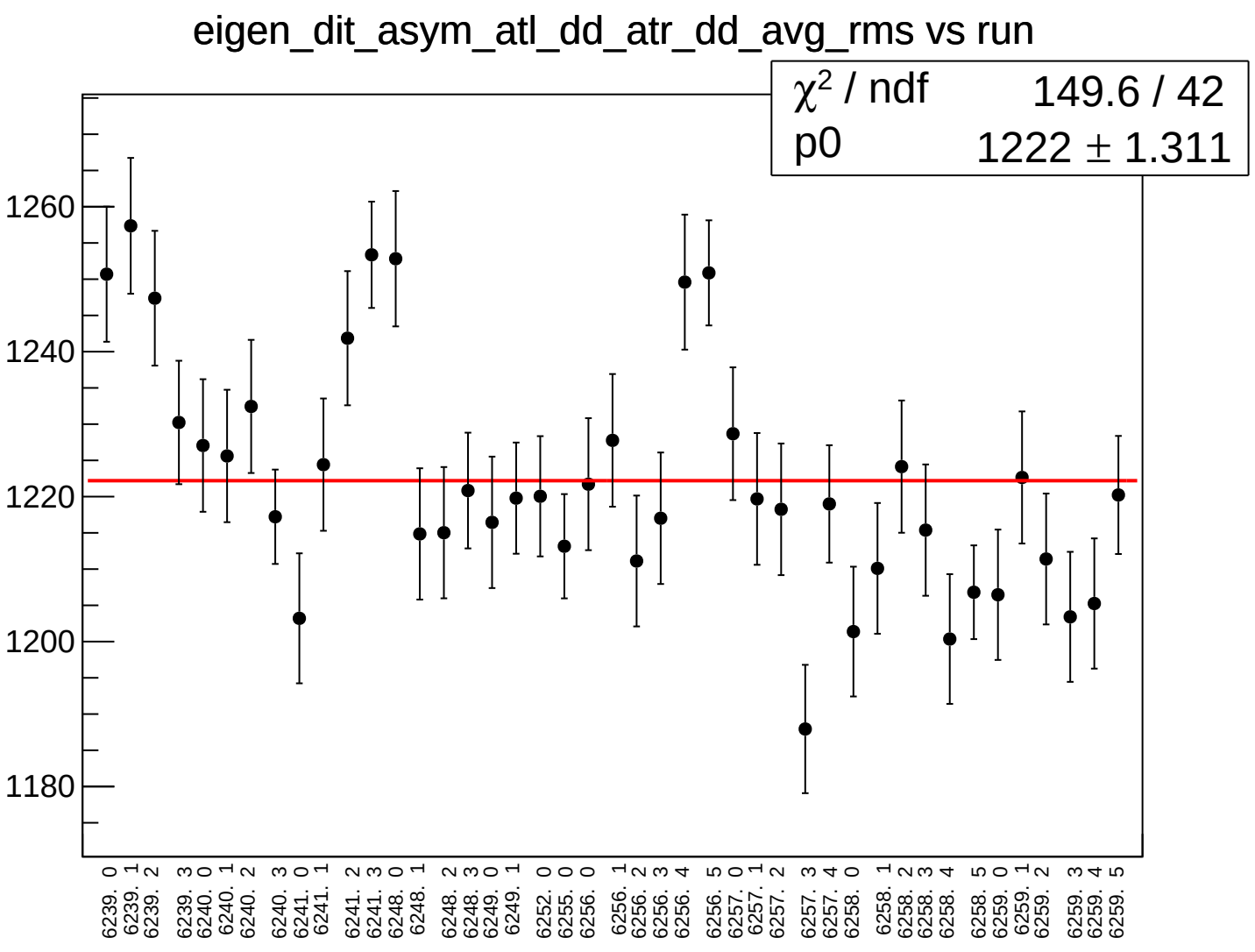

pull1D
Entries 43
Mean 0.02683
Std Dev 0.9821
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

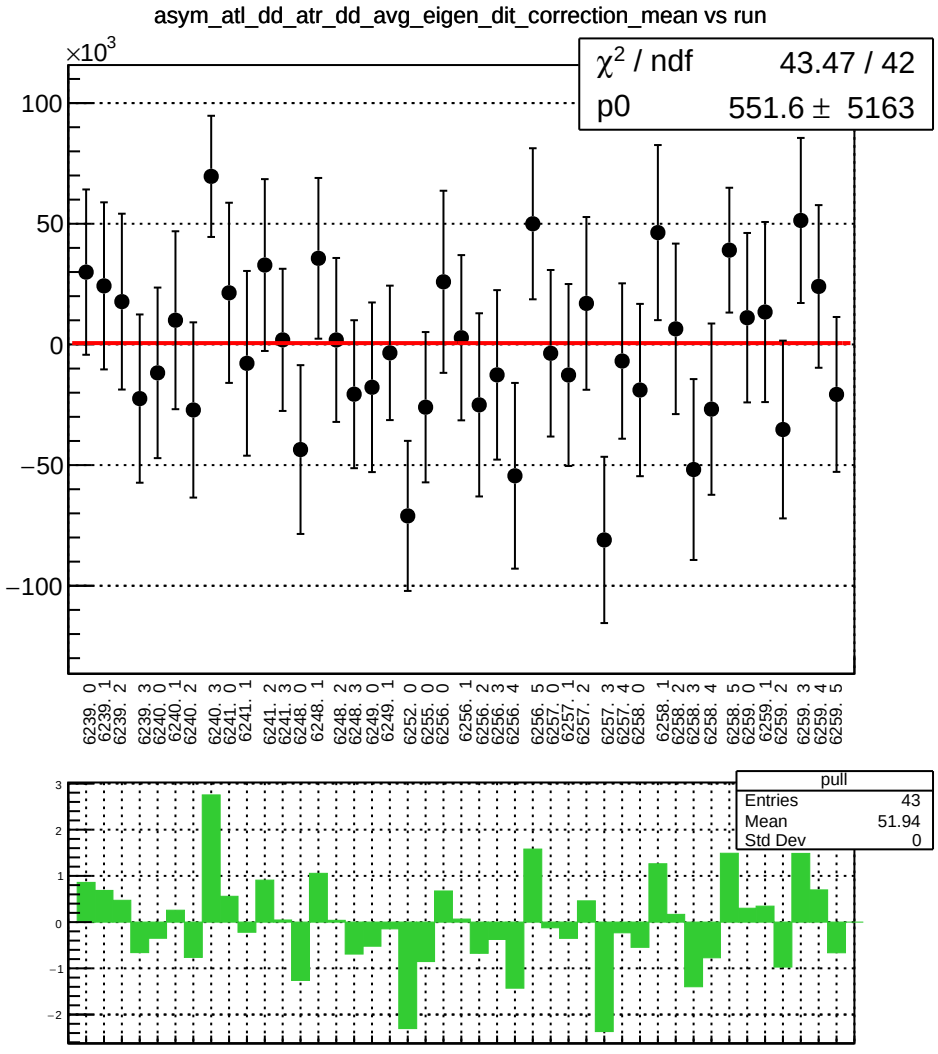

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 149.6 / 42
p0 1222 ± 1.311
1260
1240
1220
1200
1180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

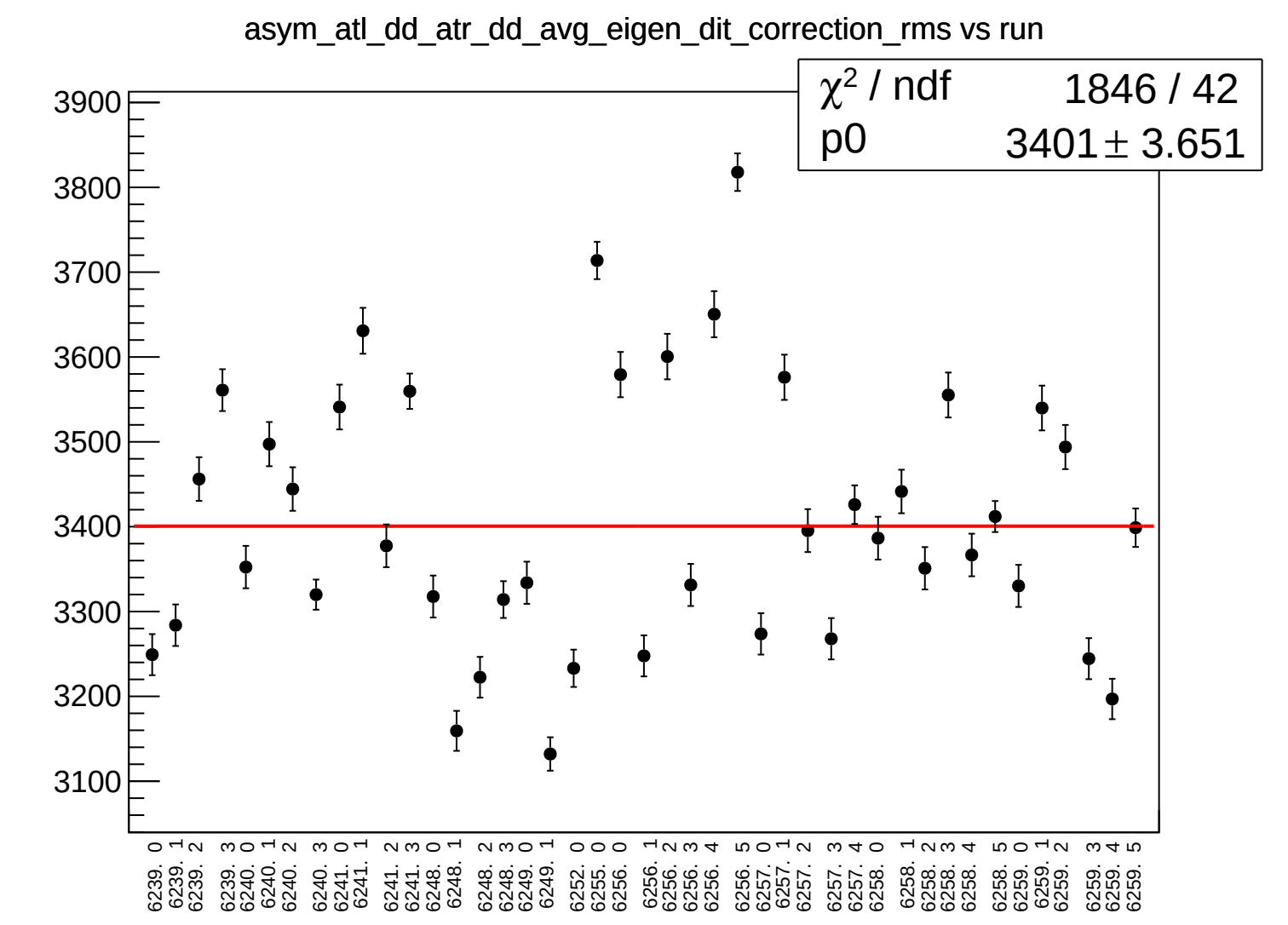

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.47 / 42
p0 551.6 ± 5163
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.94
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0351
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

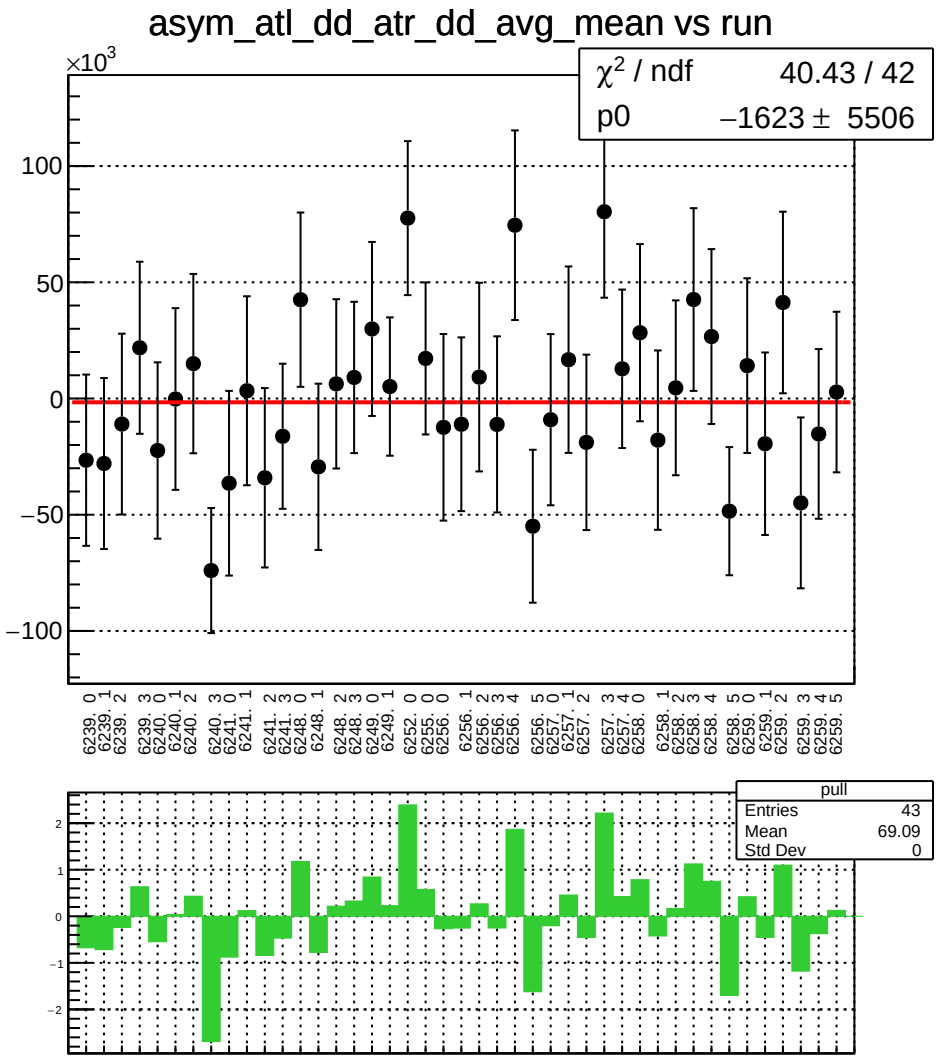

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 1846 / 42
p0 3401 ± 3.651
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

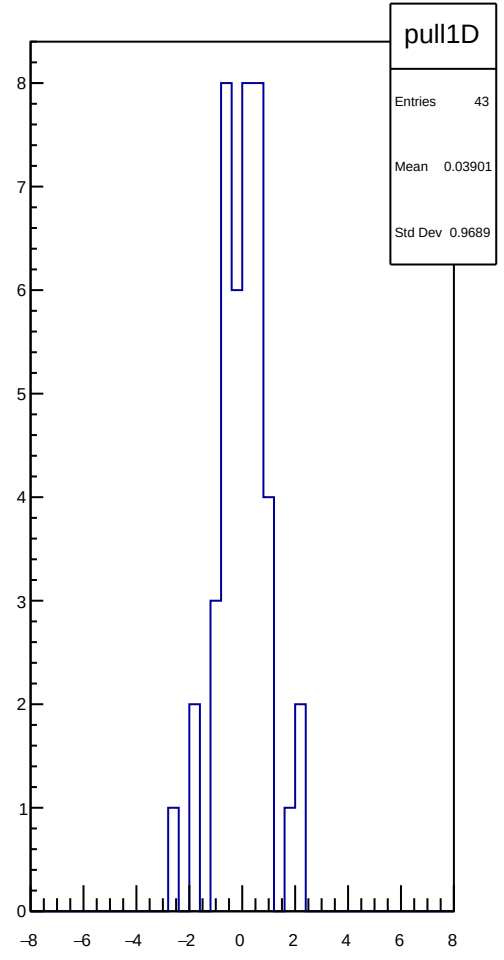

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 41.51 / 42
p0 −1270 ± 1854
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02683
Std Dev 0.9821
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

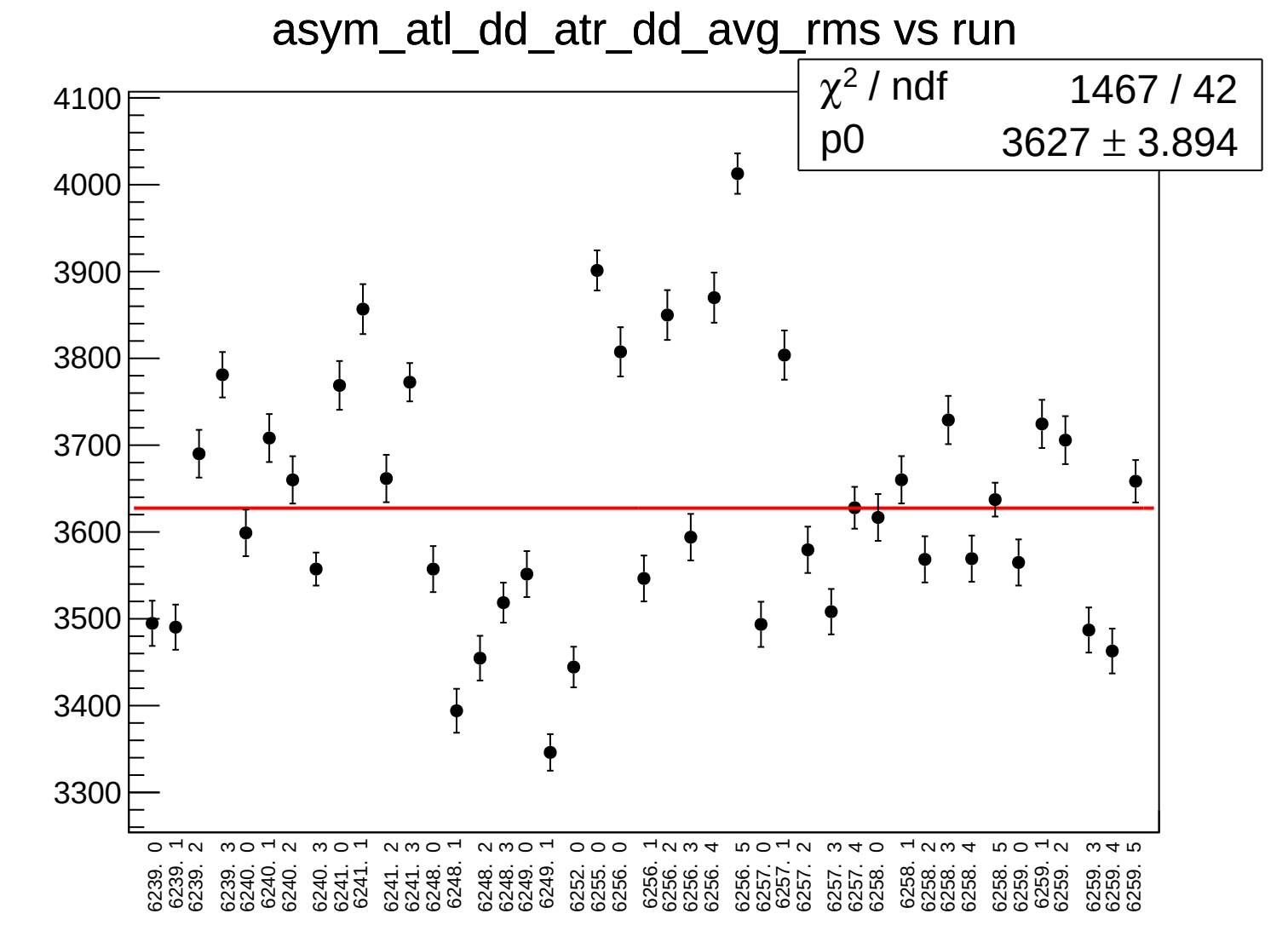

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 149.6 / 42
p0 1222 ± 1.311
1260
1240
1220
1200
1180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

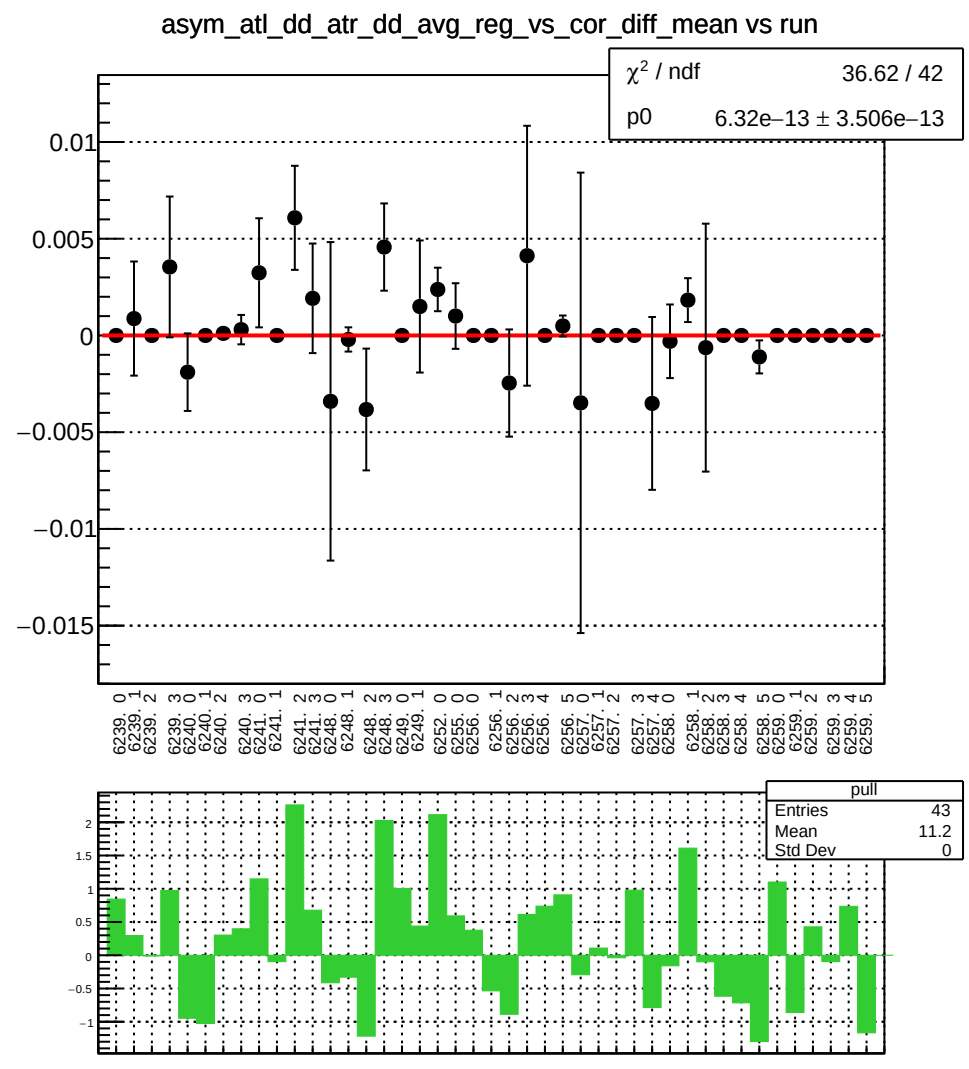

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.47 / 42
p0 551.6 ± 5163
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.94
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0351
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

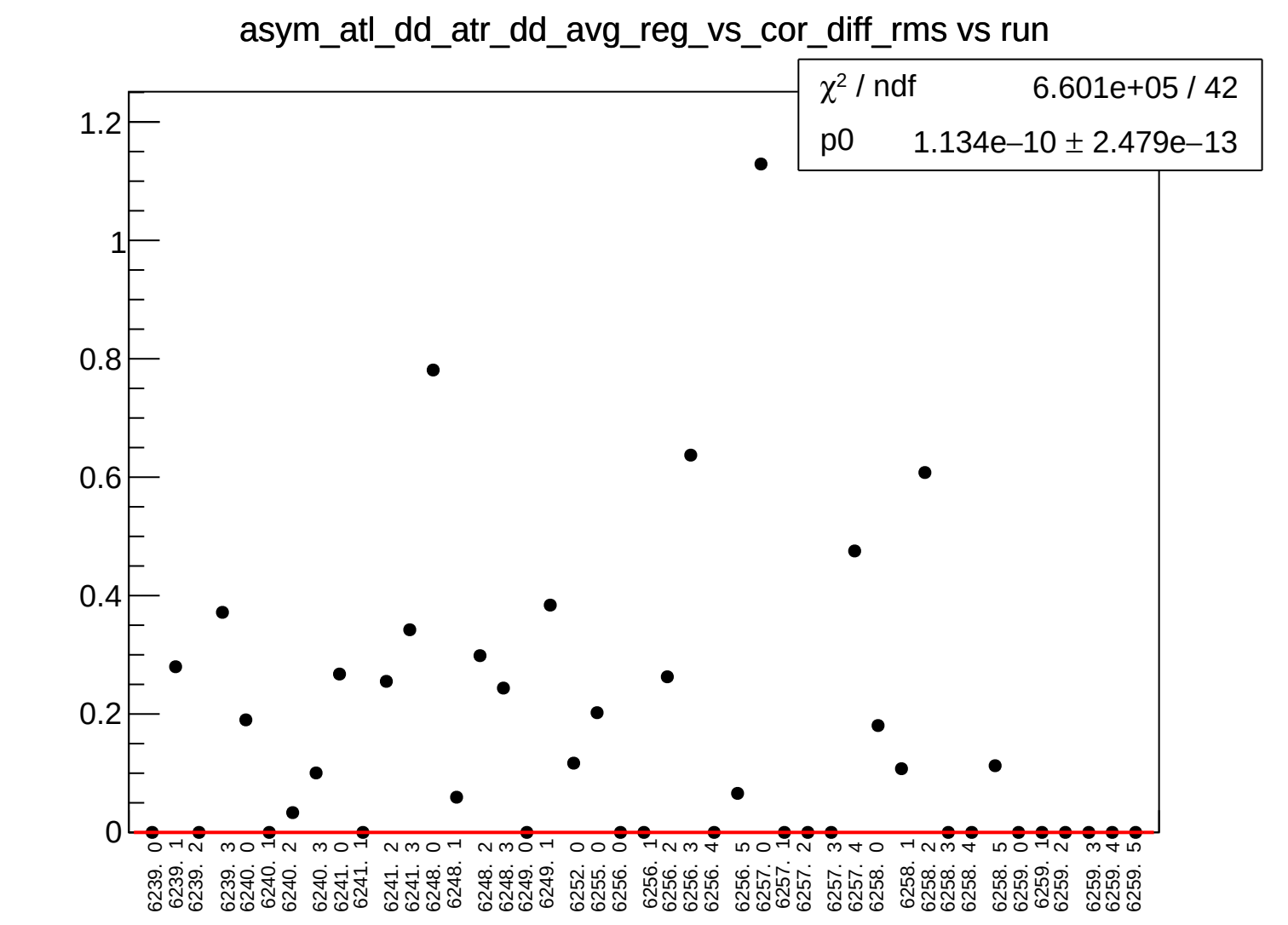

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1846 / 42
p0 3401 ± 3.651
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 40.43 / 42
p0 −1623 ± 5506
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.09
Std Dev 0
2
1
0
−1
−2

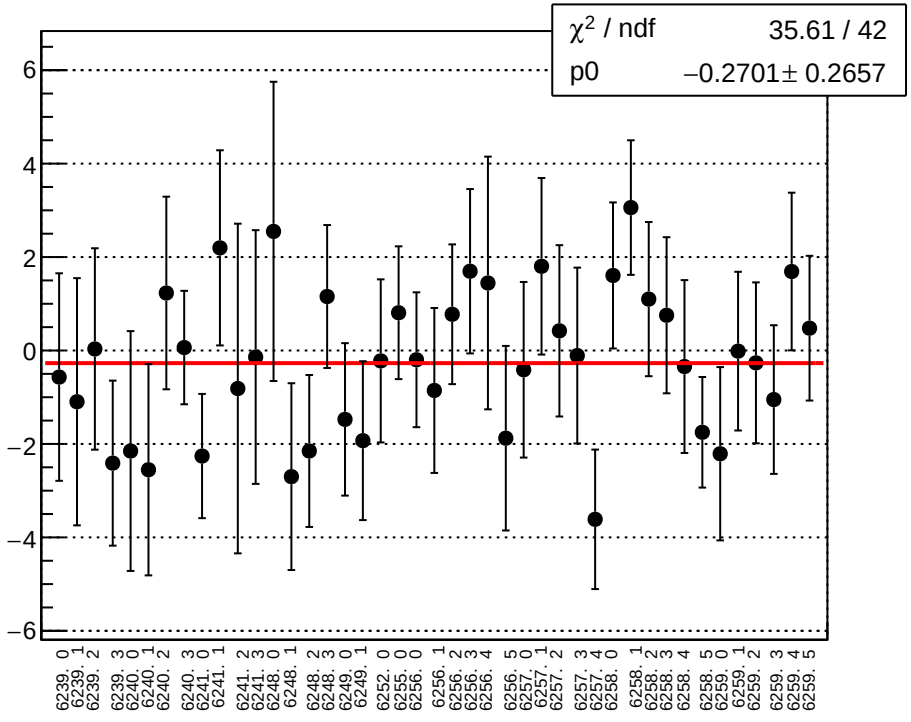

pull1D
Entries 43
Mean 0.03901
Std Dev 0.9689
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

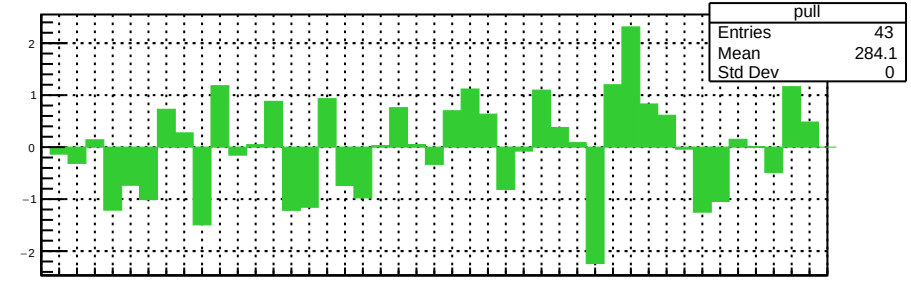

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1467 / 42
p0 3627 ± 3.894
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

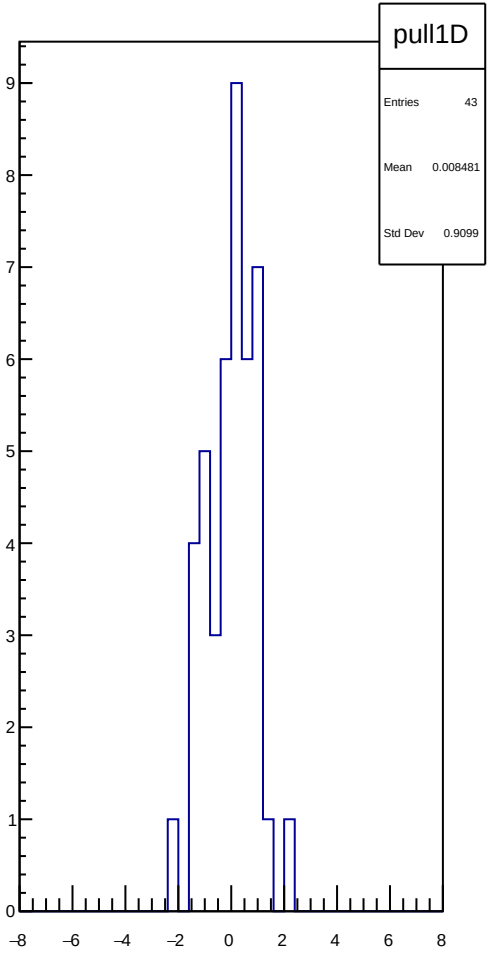

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.62 / 42
p0 6.32e−13 ± 3.506e−13
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.2113
Std Dev 0.8983
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

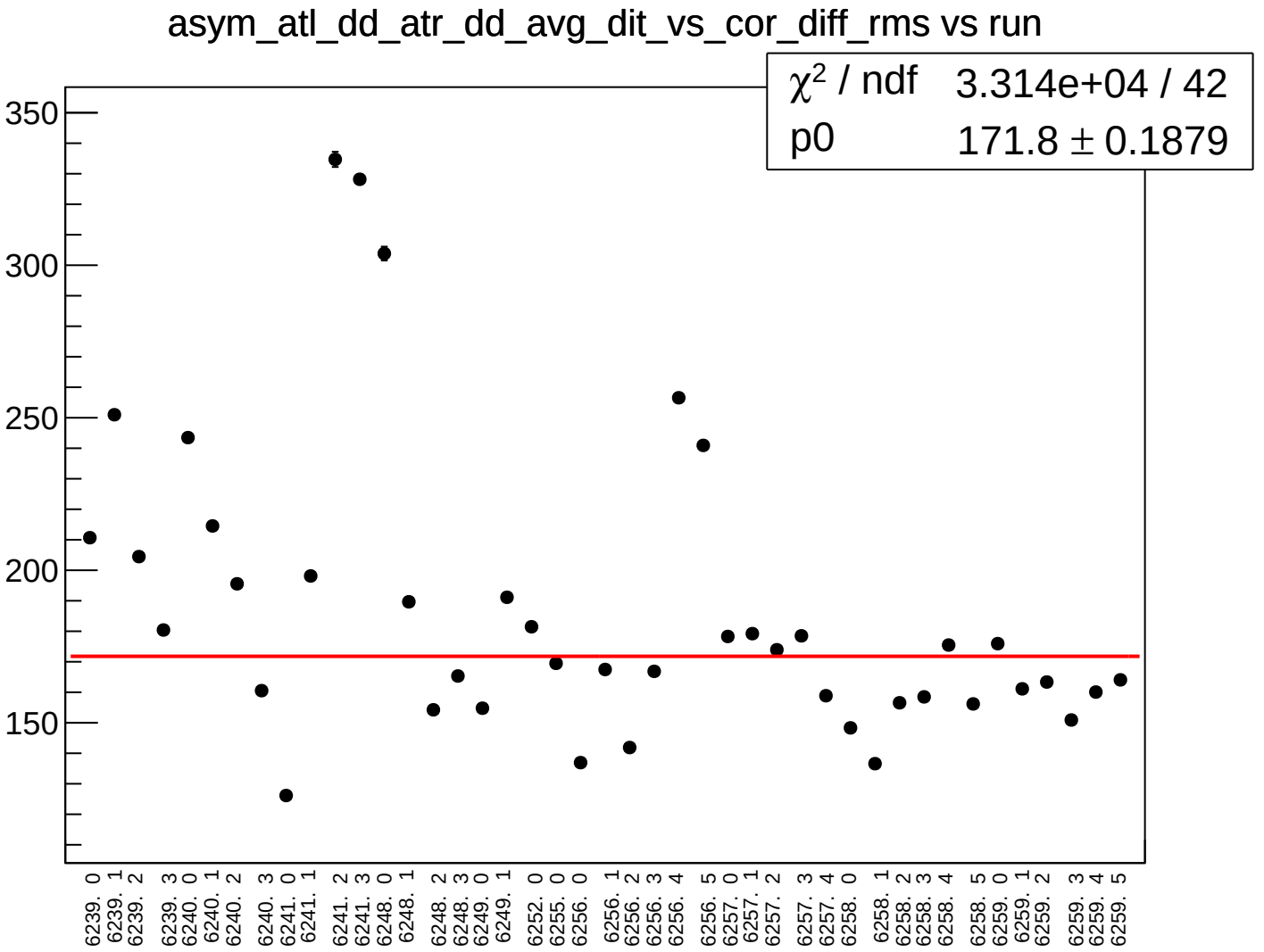

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.601e+05 / 42
p0 1.134e−10 ± 2.479e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

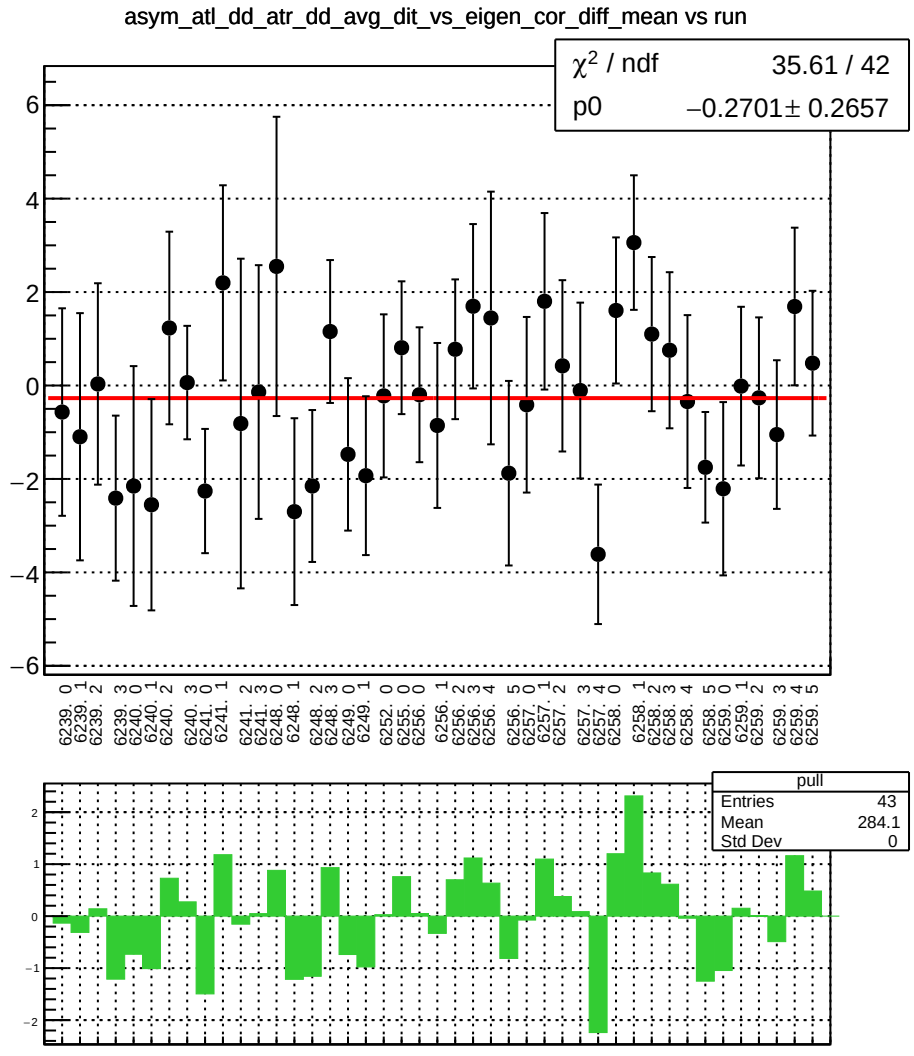
asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run

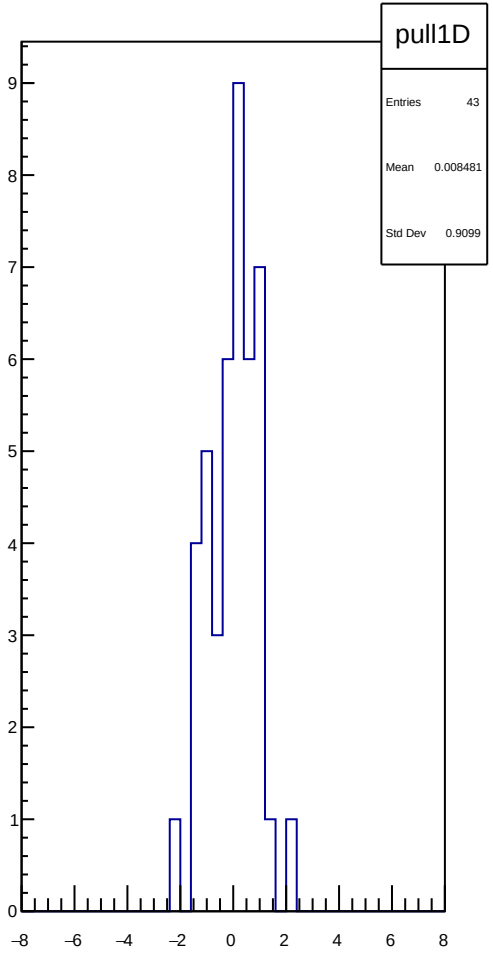


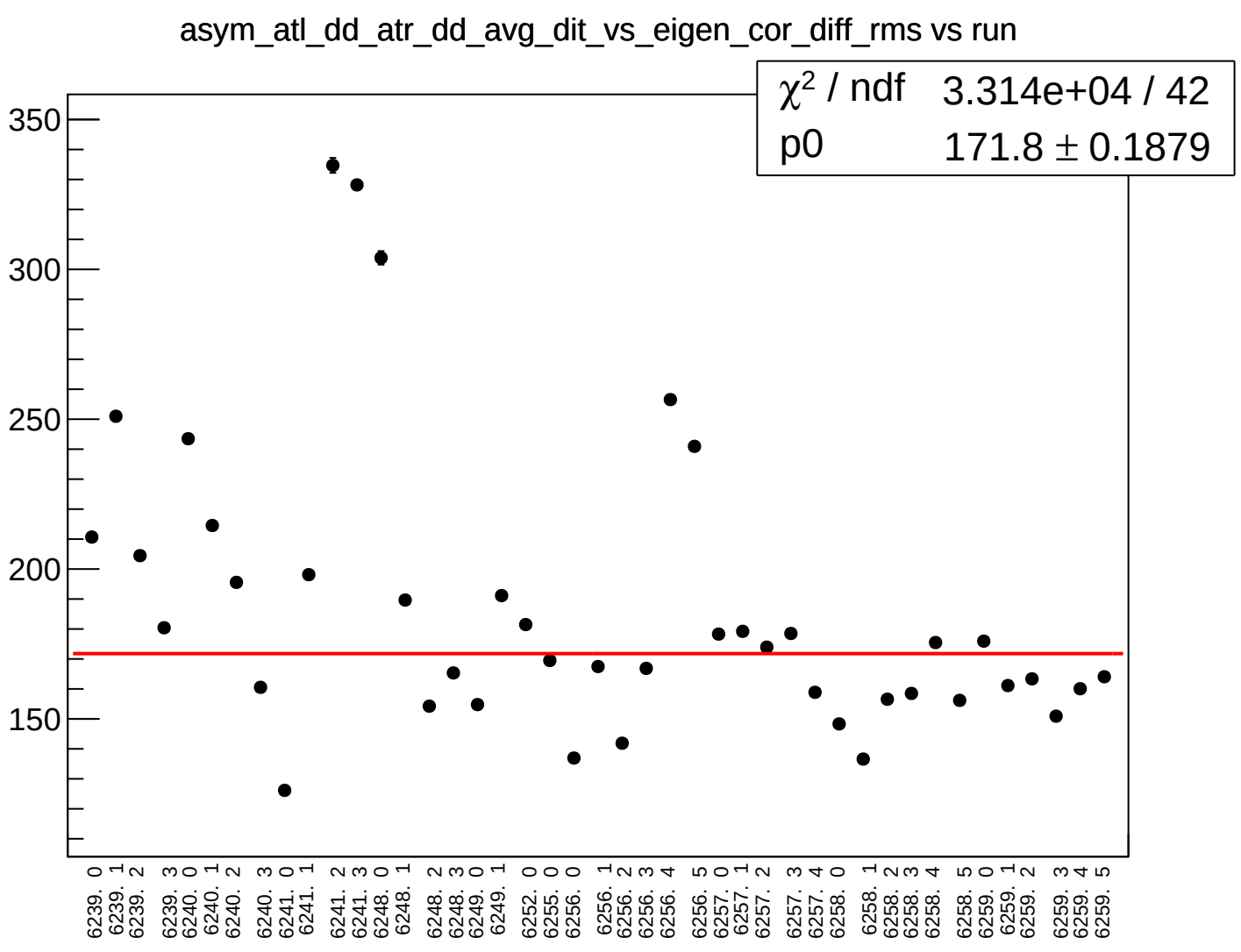




asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.008481
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
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6249. 1
6252. 0
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6256. 2
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6258. 5
6259. 0
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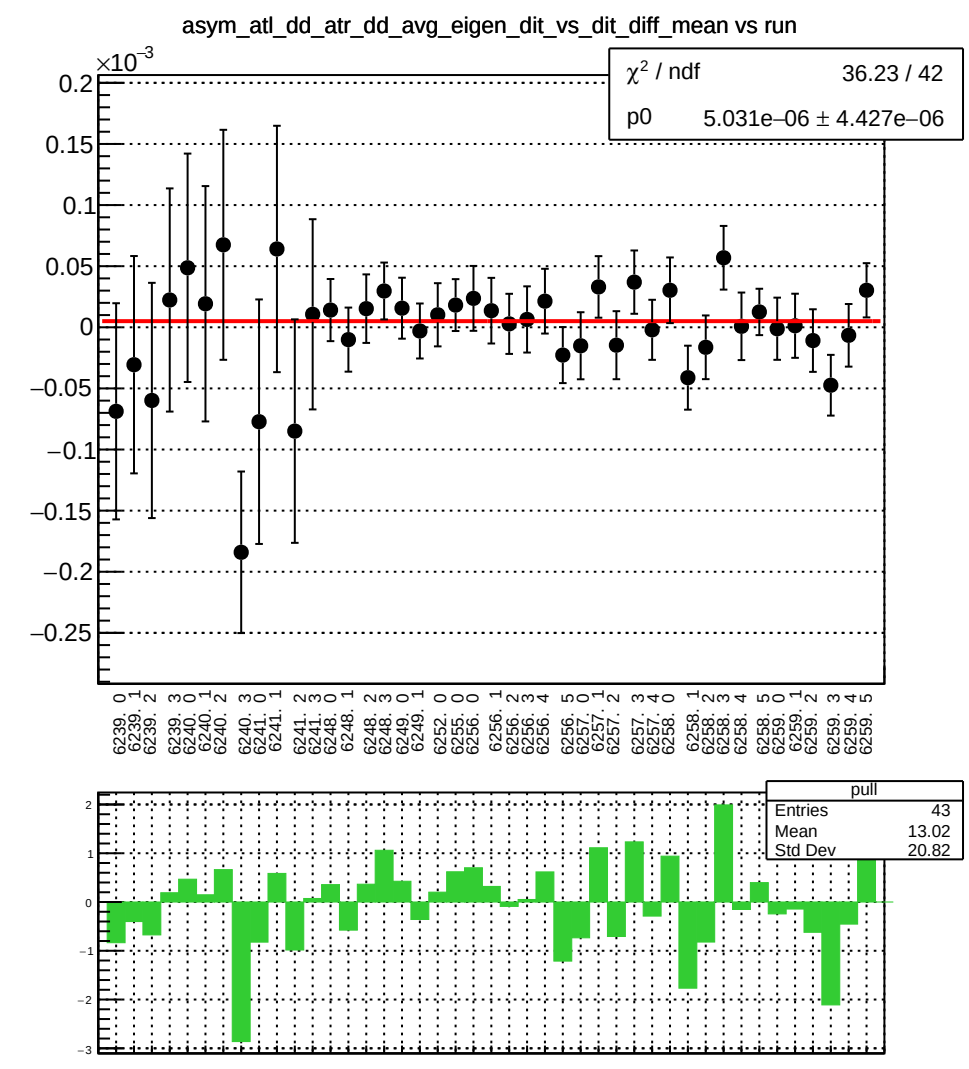
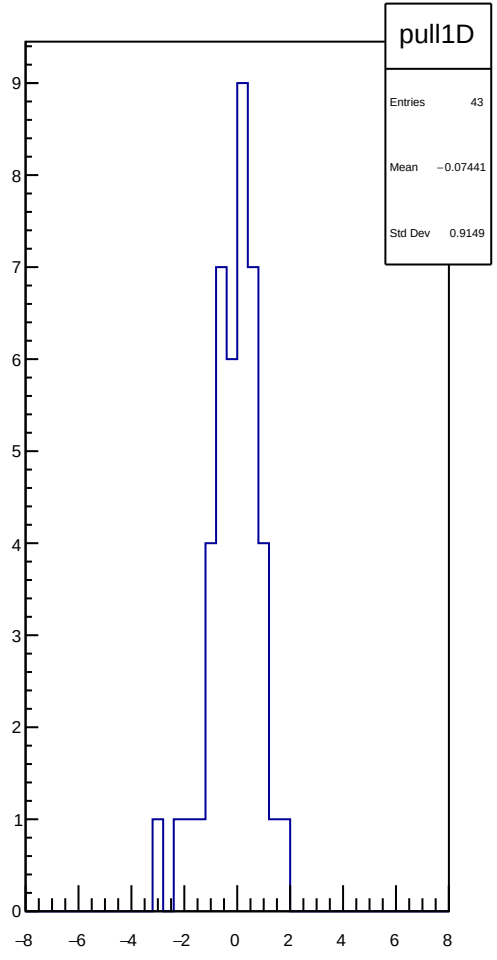
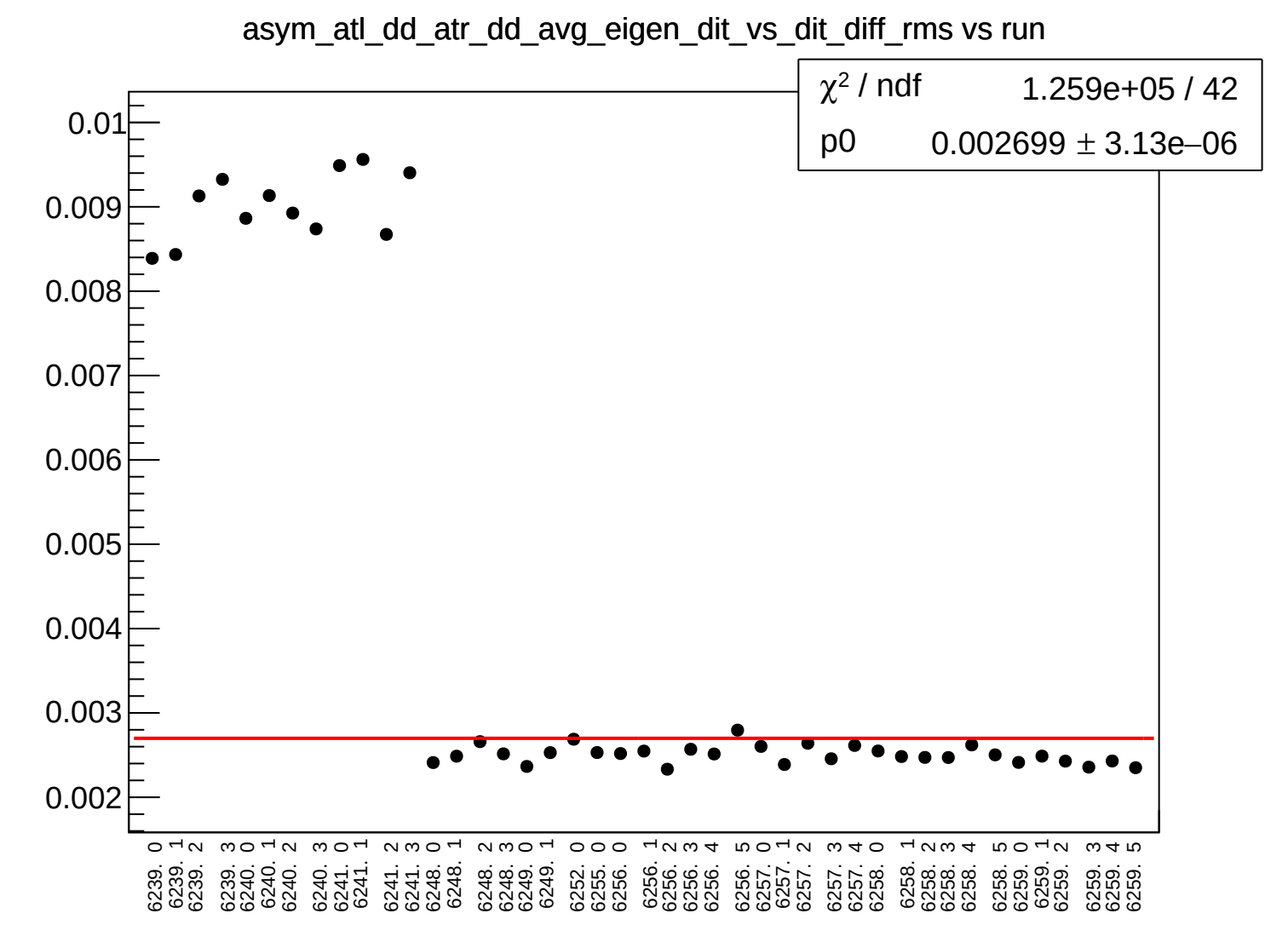
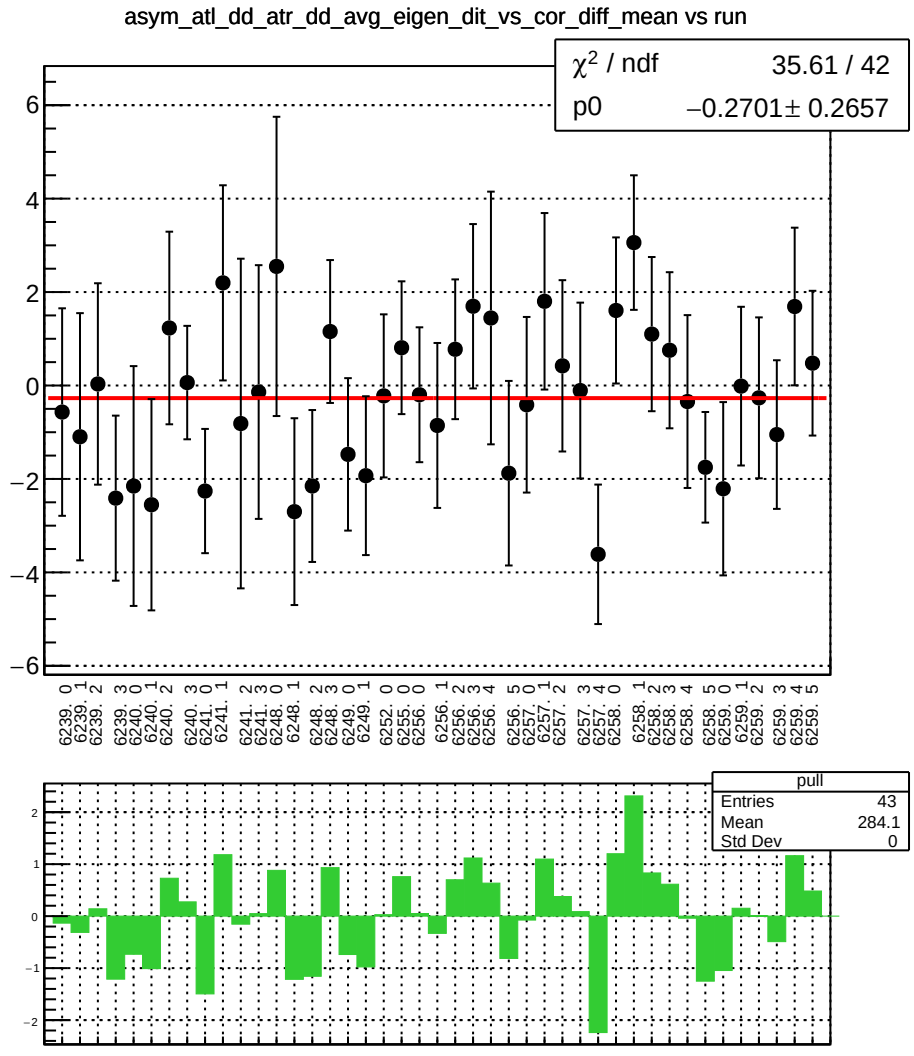
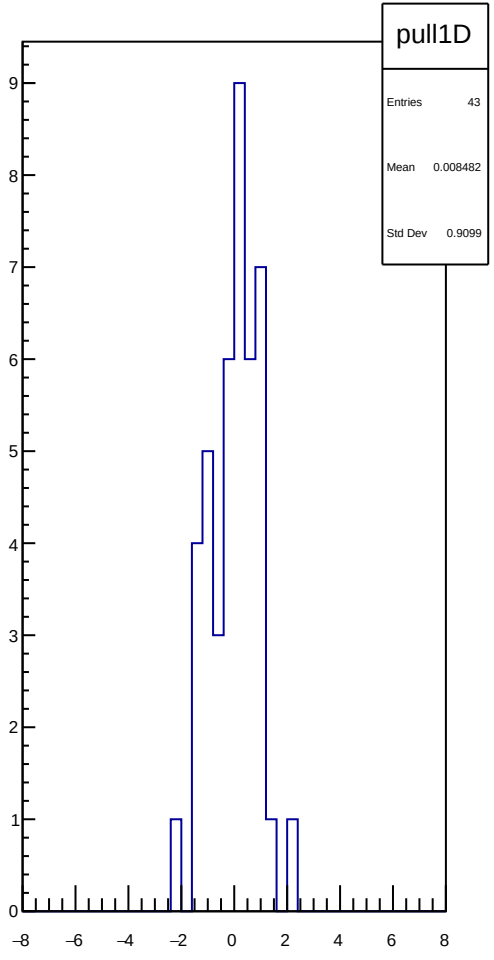
6259. 3
6259. 4
6259. 5

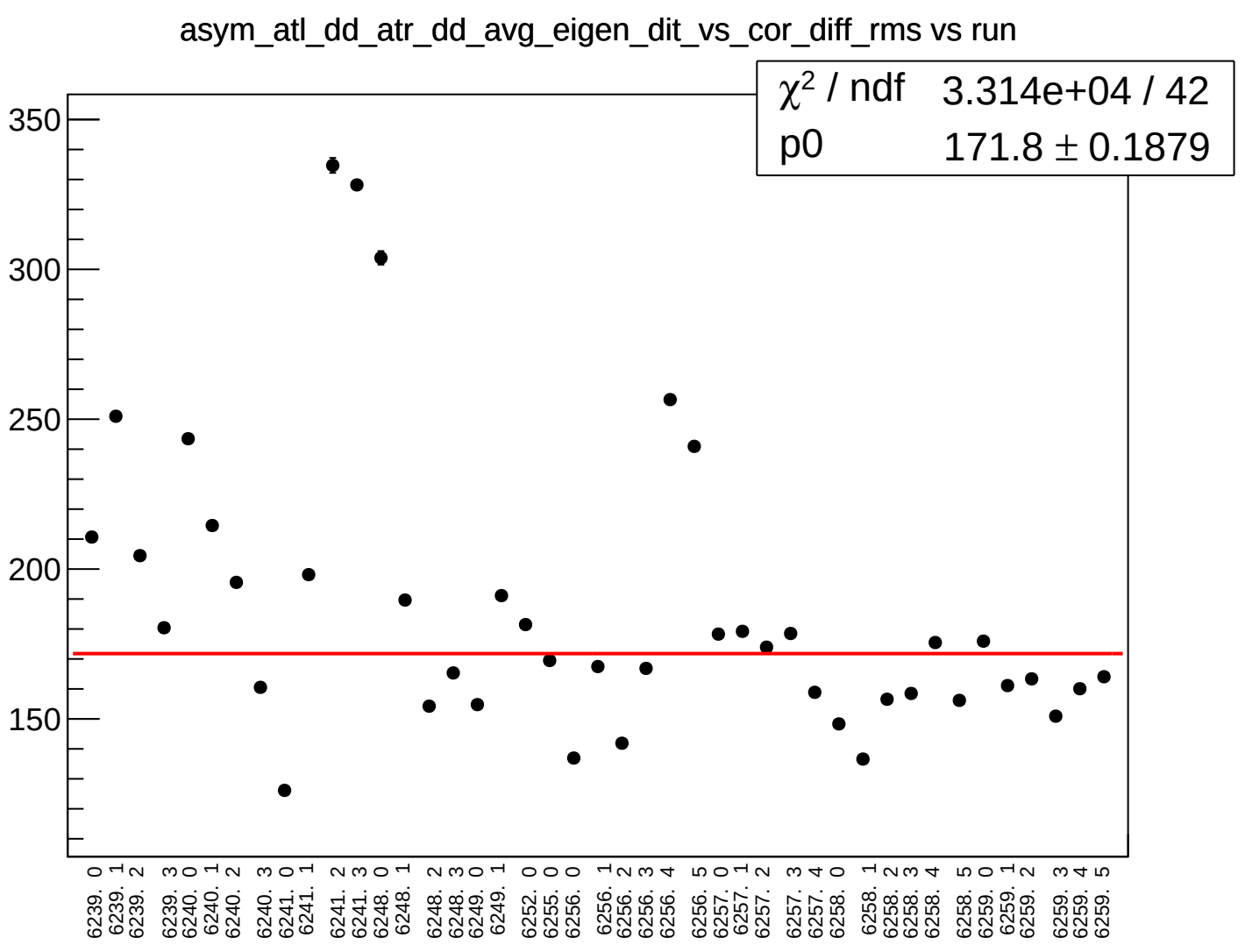

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.23 / 42
p0 5.031e−06 ± 4.427e−06
pull
Entries 43
Mean 13.02
Std Dev 20.82

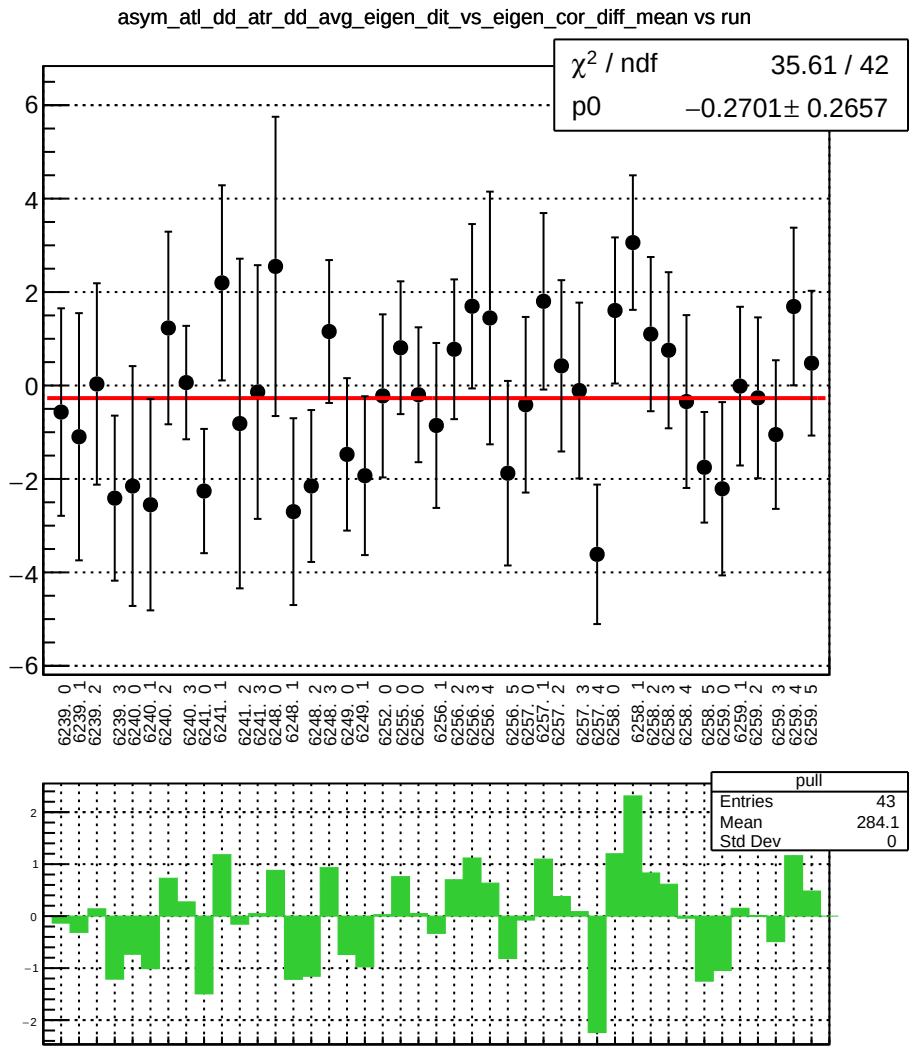

pull1D
Entries 43
Mean −0.07441
Std Dev 0.9149

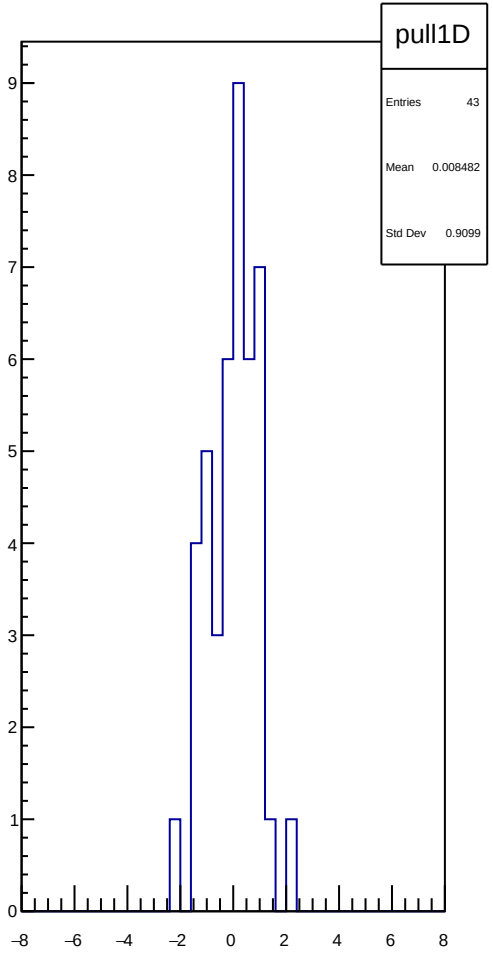

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.259e+05 / 42
p0 0.002699 ± 3.13e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

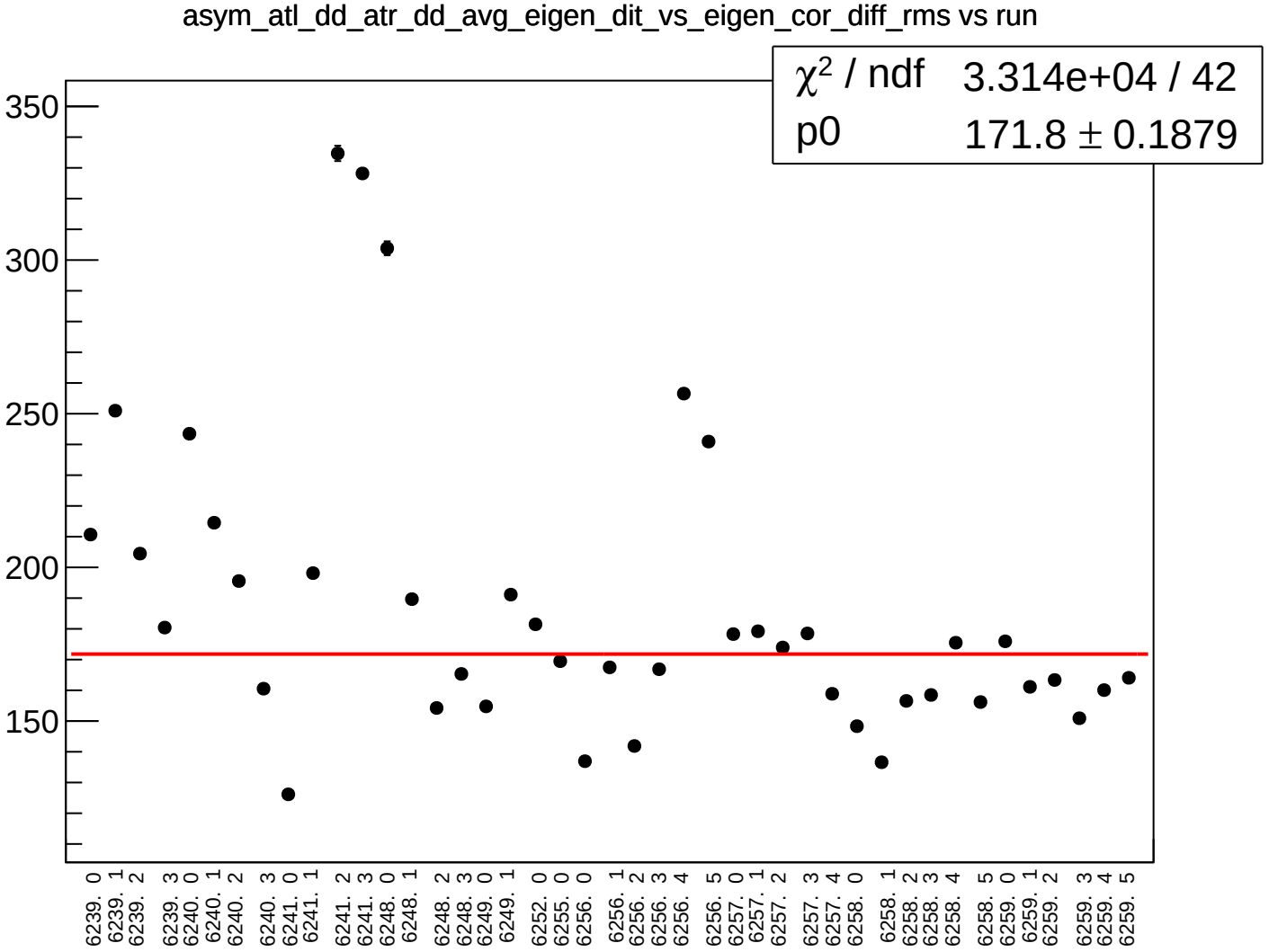

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

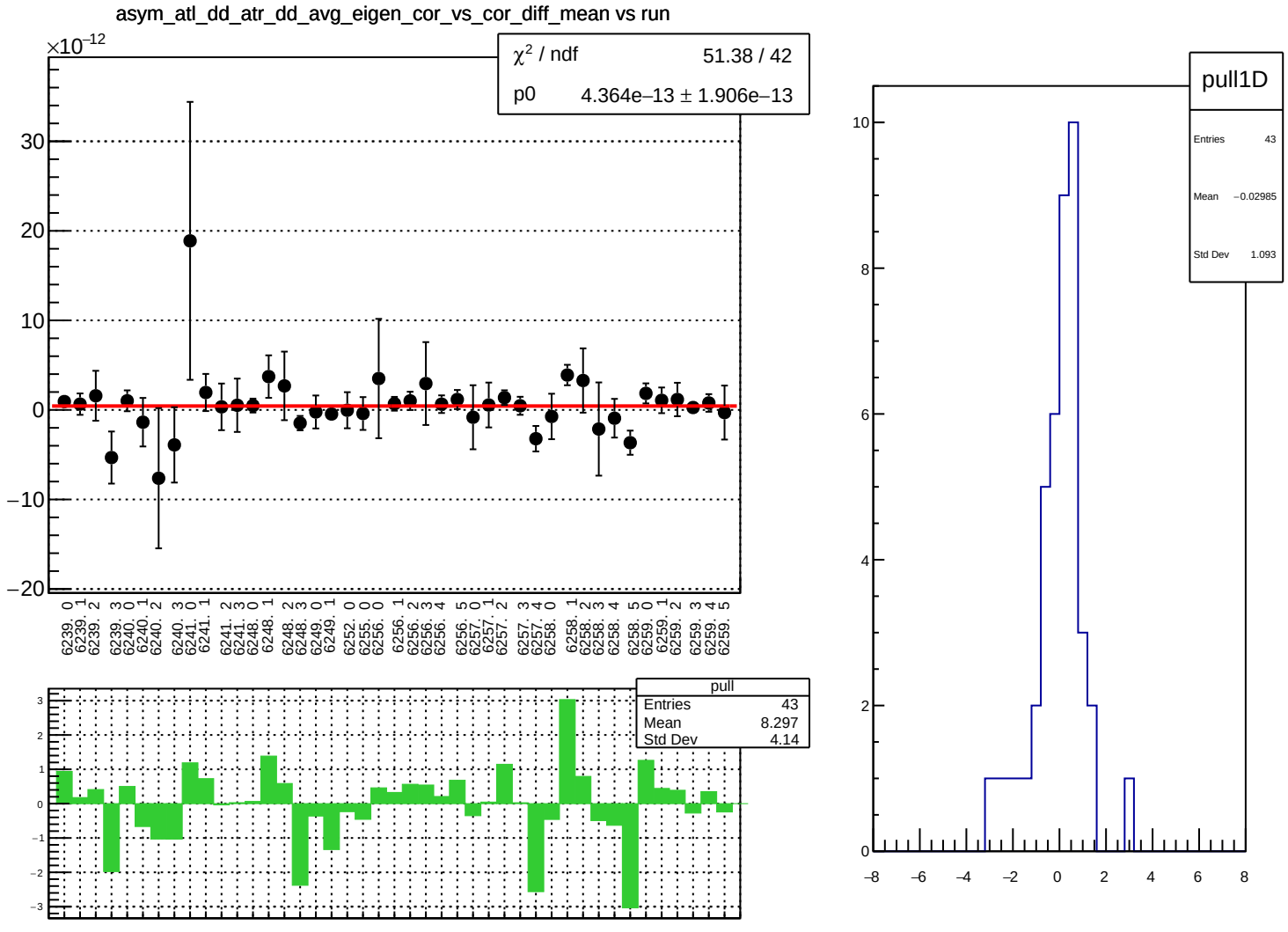

pull1D
Entries 43
Mean 0.008482
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

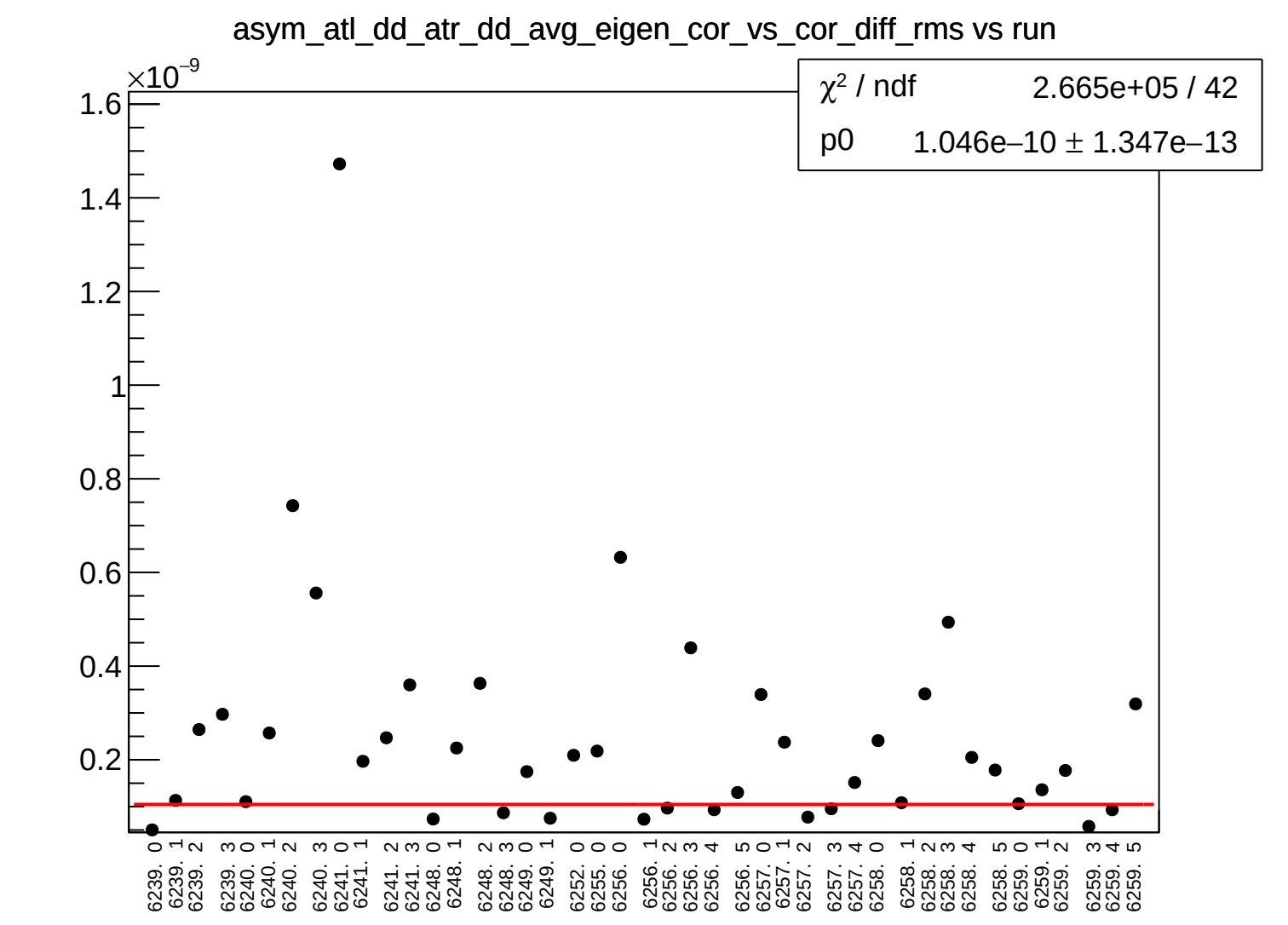

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

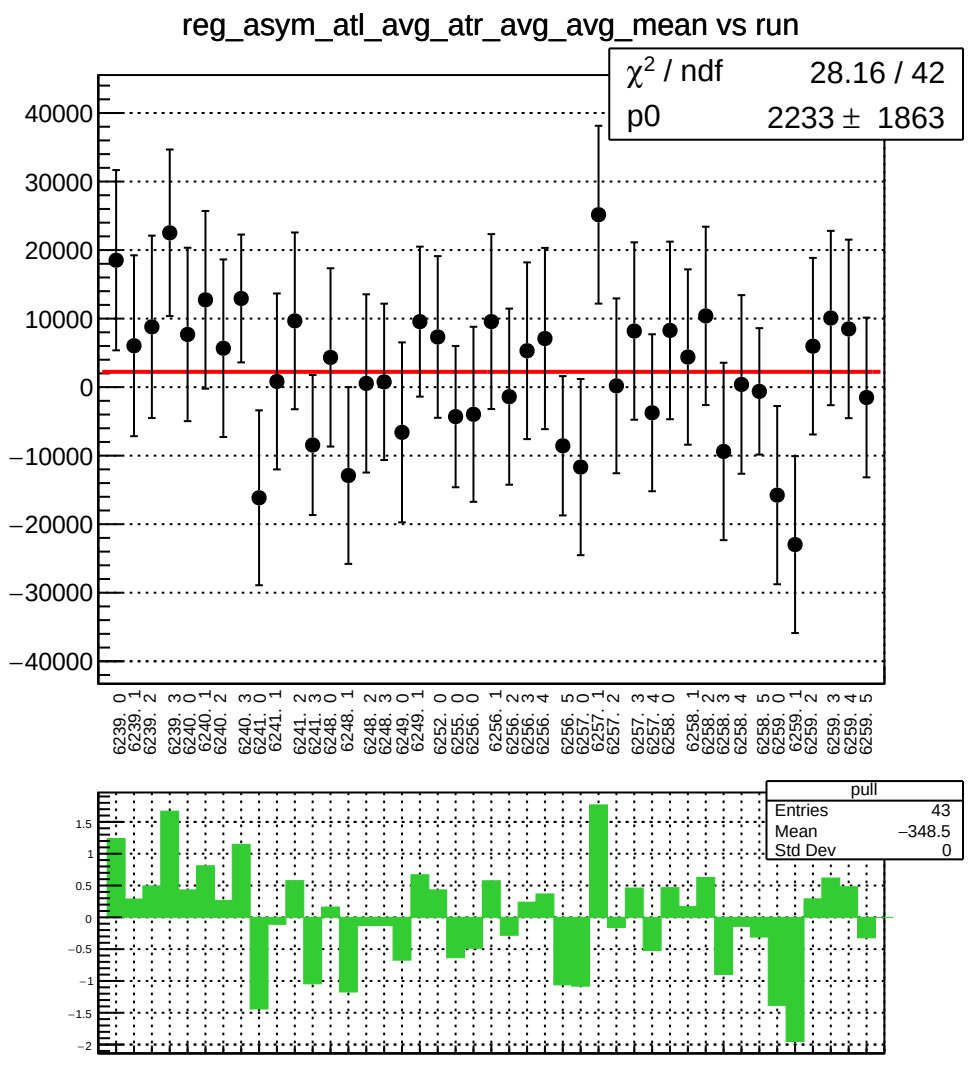

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

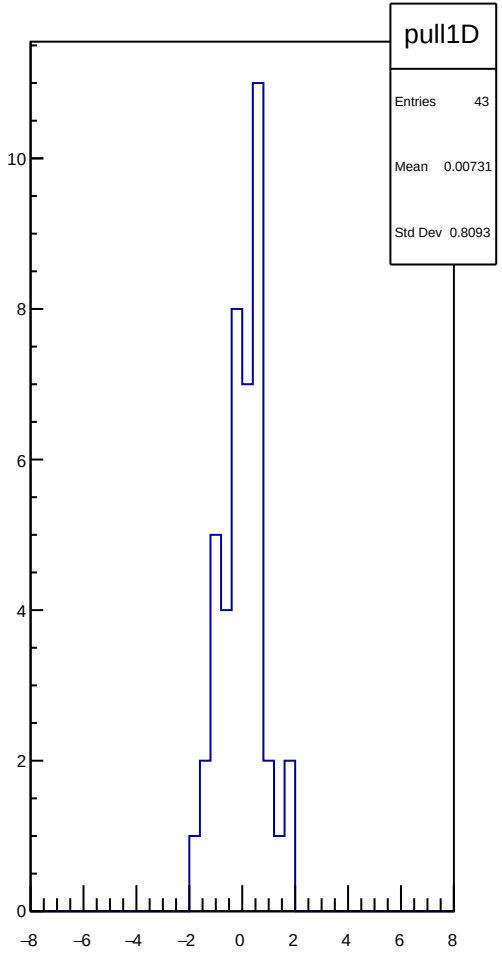

pull1D
Entries 43
Mean 0.008482
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

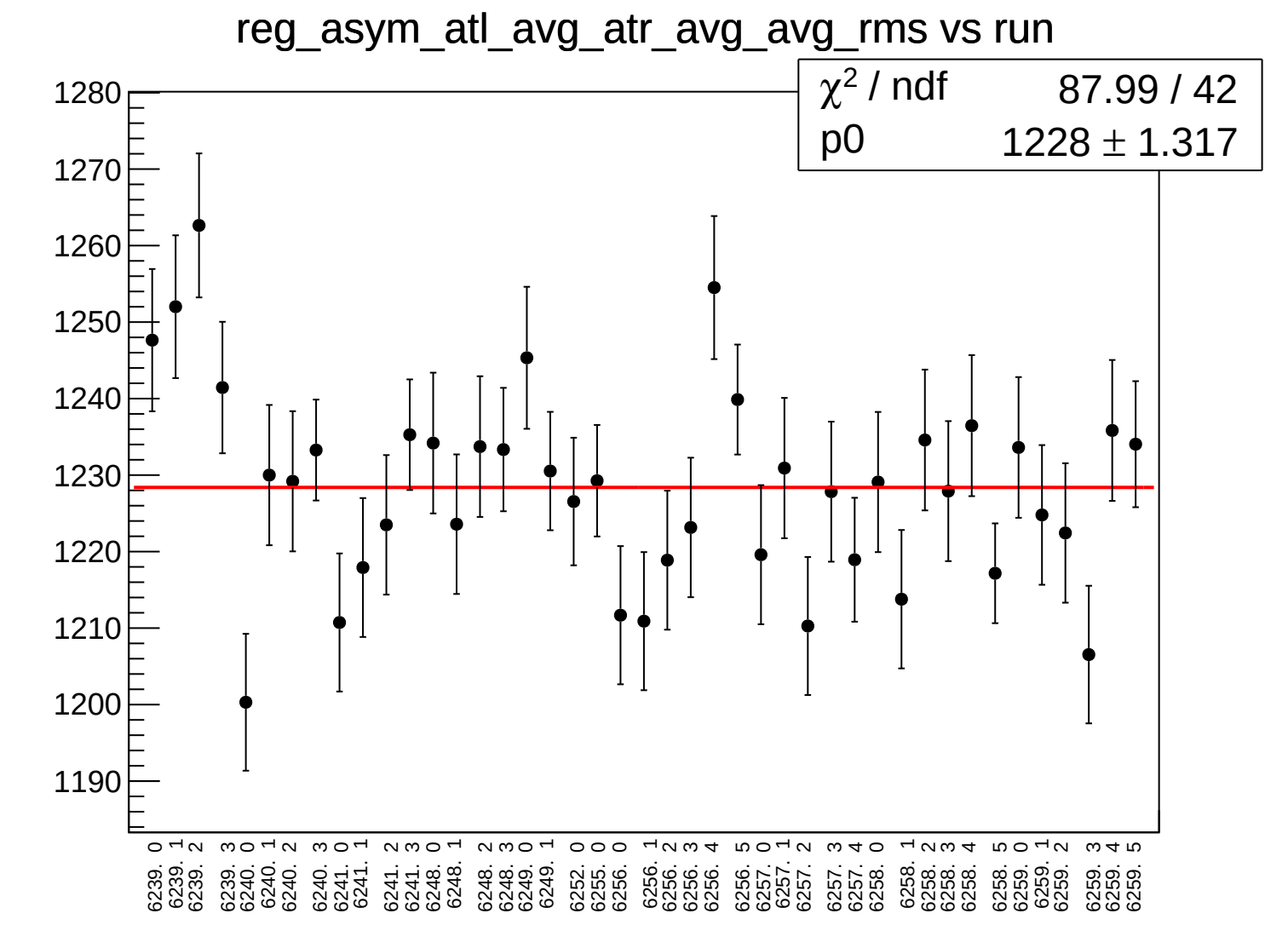

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

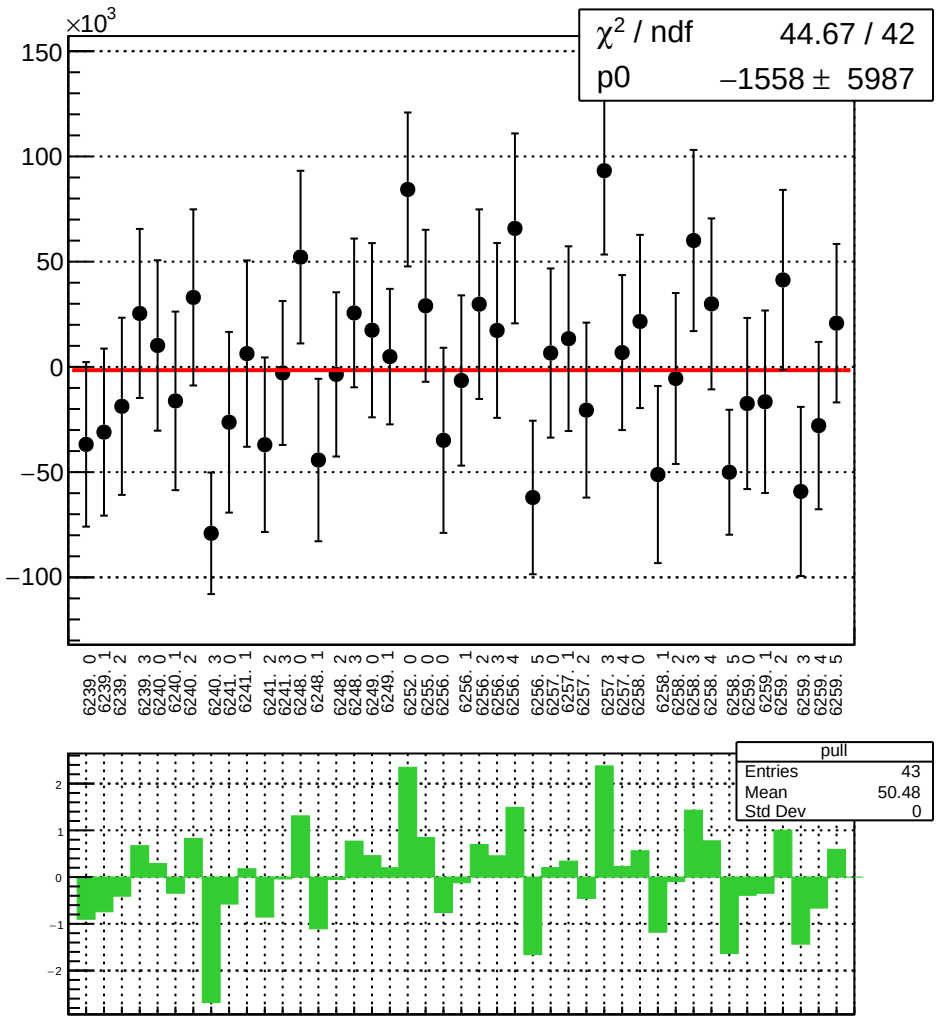

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.38 / 42
p0 4.364e−13 ± 1.906e−13
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.297
Std Dev 4.14
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.02985
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

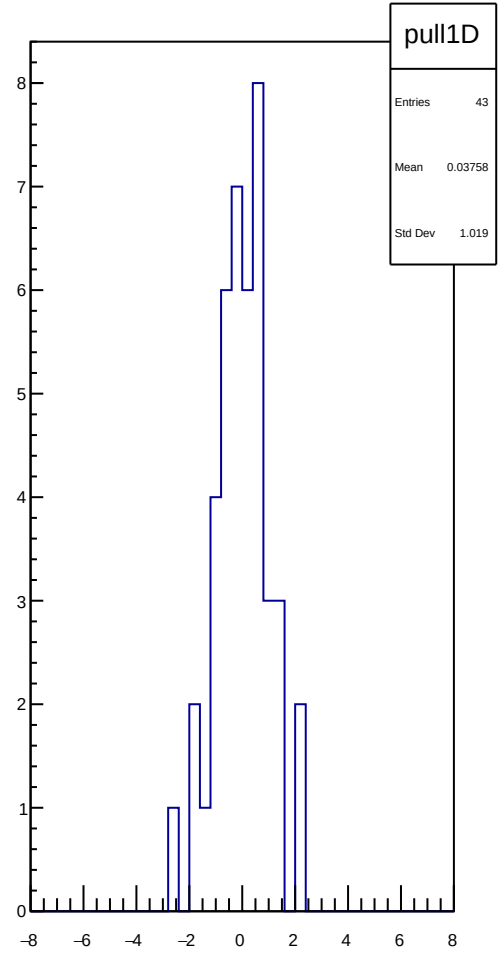

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.665e+05 / 42
p0 1.046e−10 ± 1.347e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

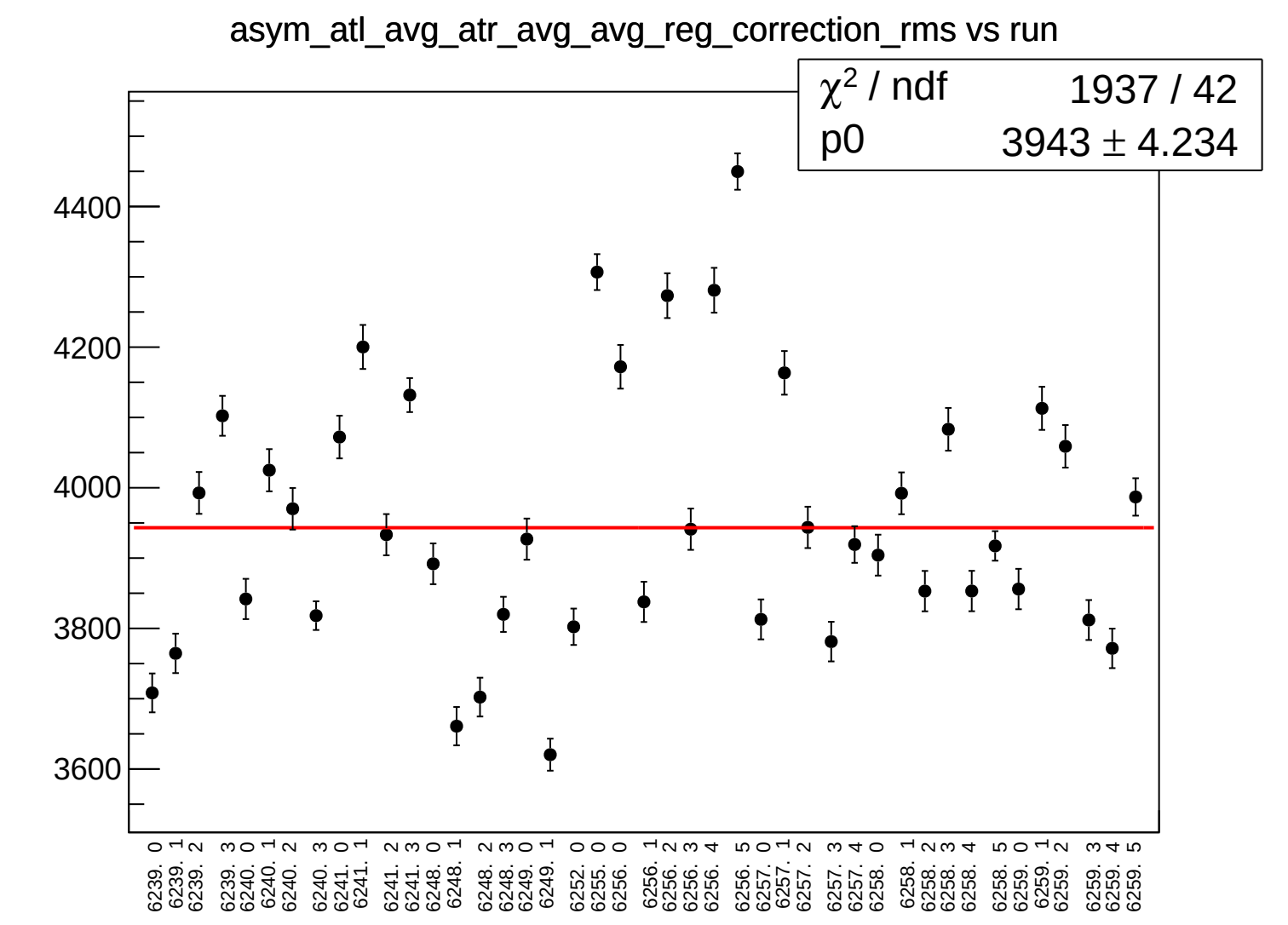

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 28.16 / 42
p0 2233 ± 1863
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −348.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

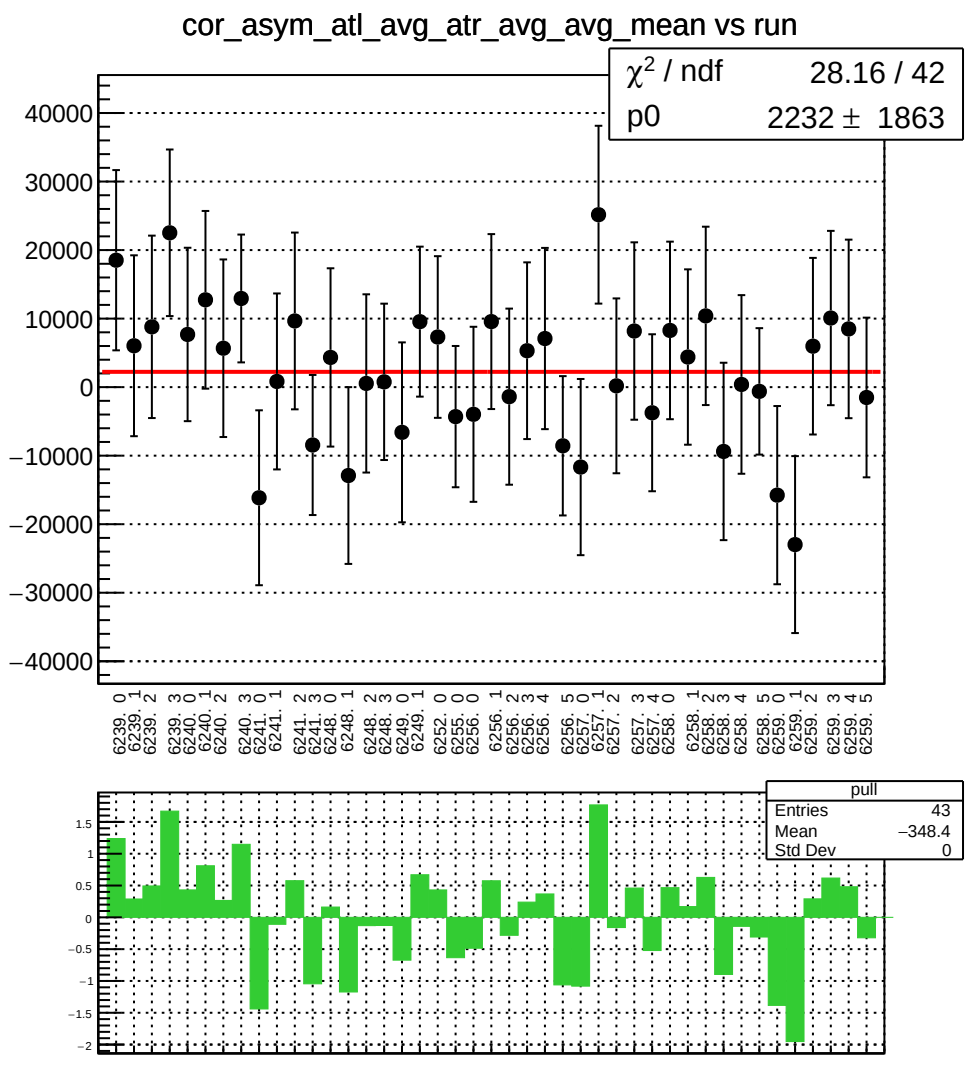

pull1D
Entries 43
Mean 0.00731
Std Dev 0.8093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

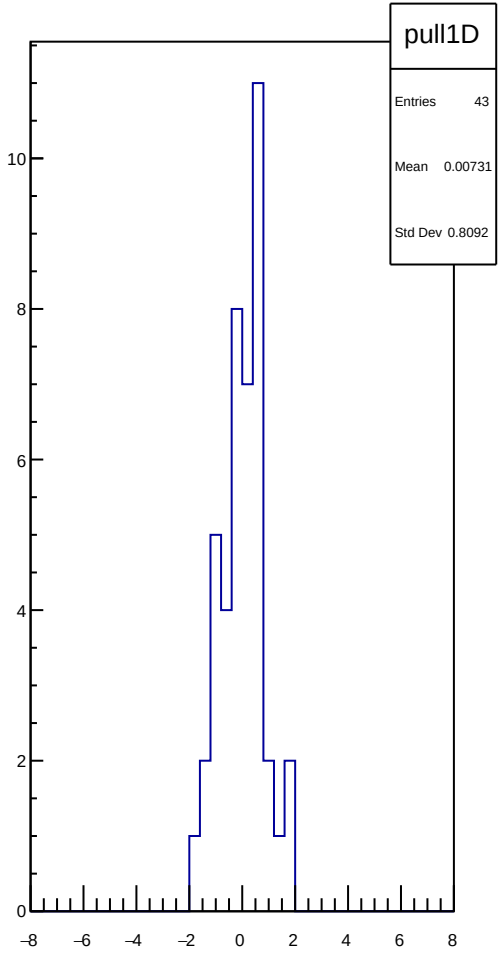

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 87.99 / 42
p0 1228 ± 1.317
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

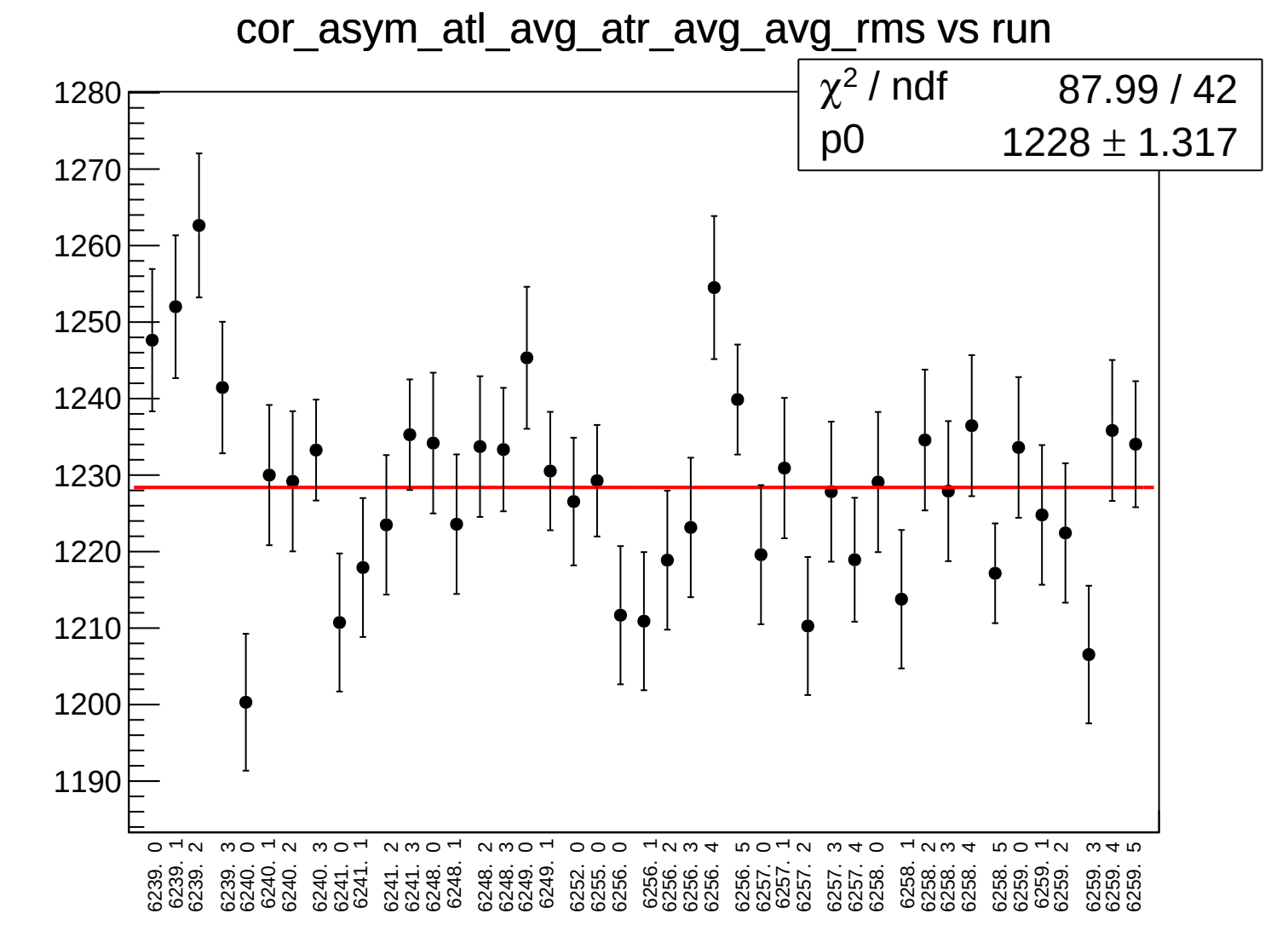

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.67 / 42
p0 −1558 ± 5987
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.48
Std Dev 0
2
1
0
−1
−2

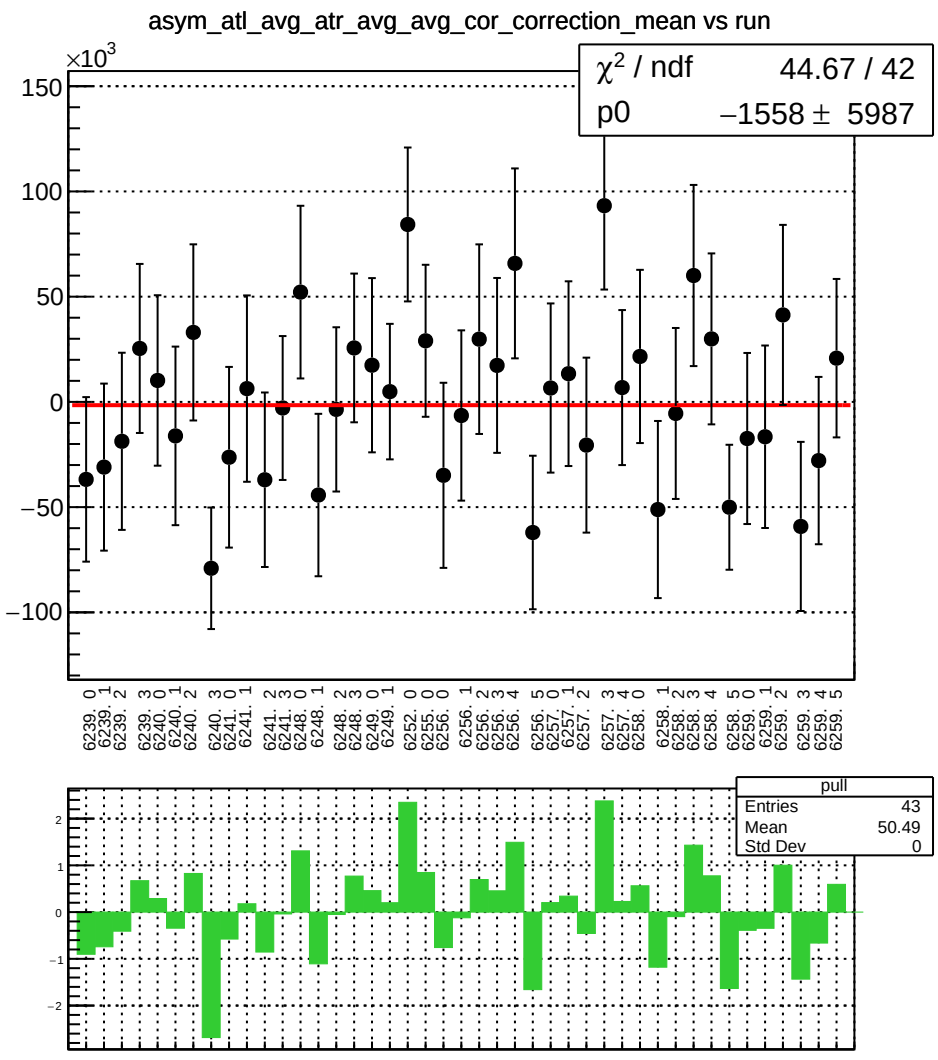

pull1D
Entries 43
Mean 0.03758
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

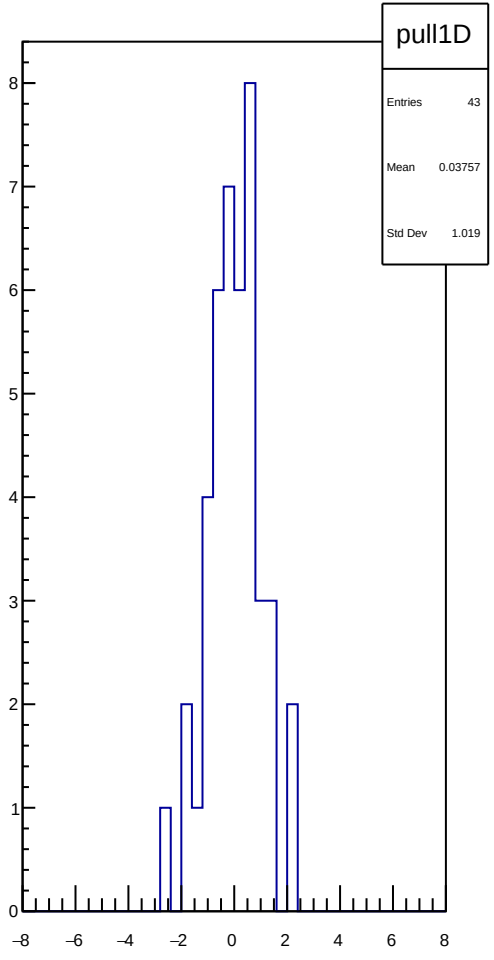

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1937 / 42
p0 3943 ± 4.234
4400
4200
4000
3800
3600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

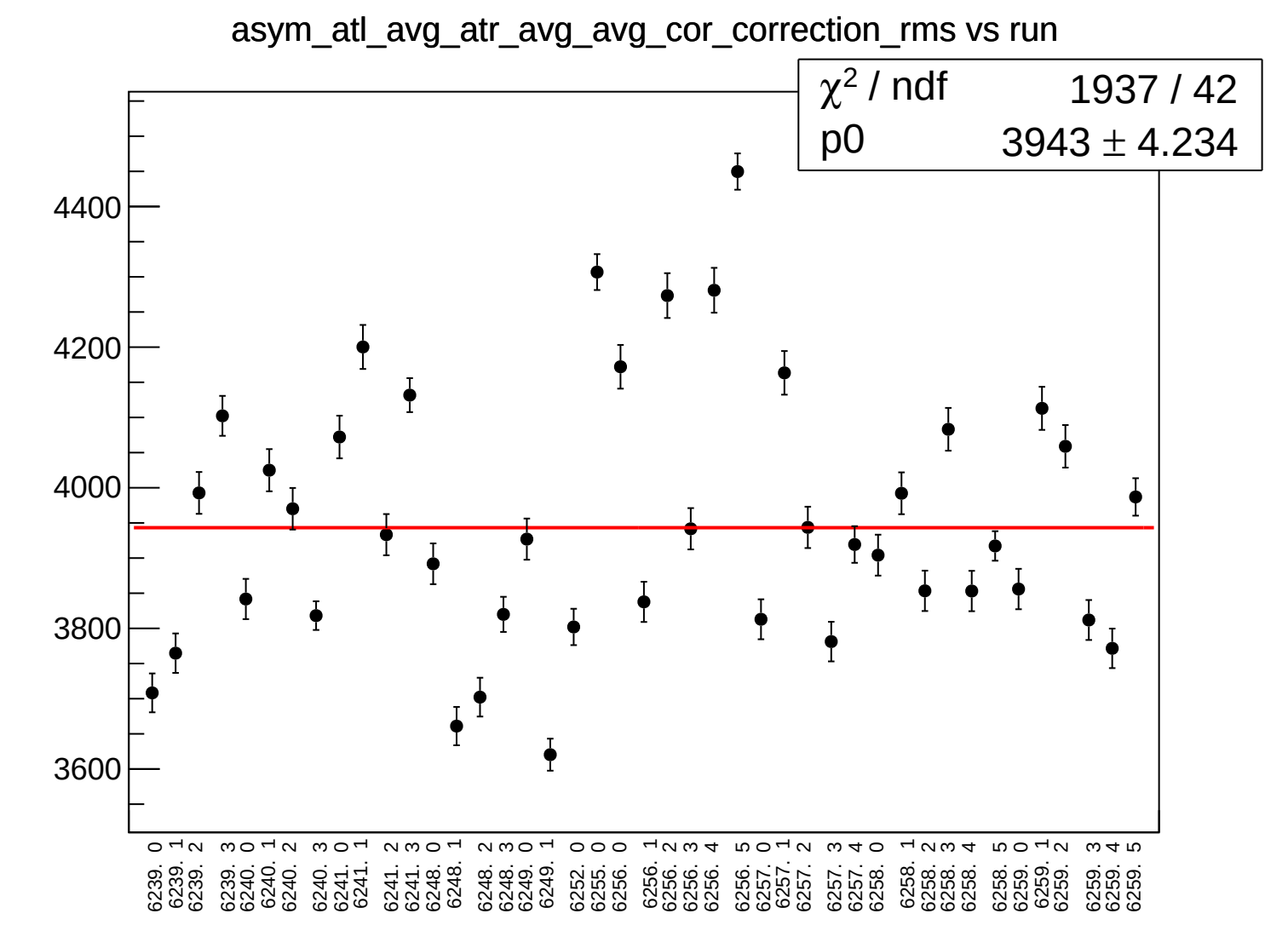

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 28.16 / 42
p0 2232 ± 1863
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −348.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

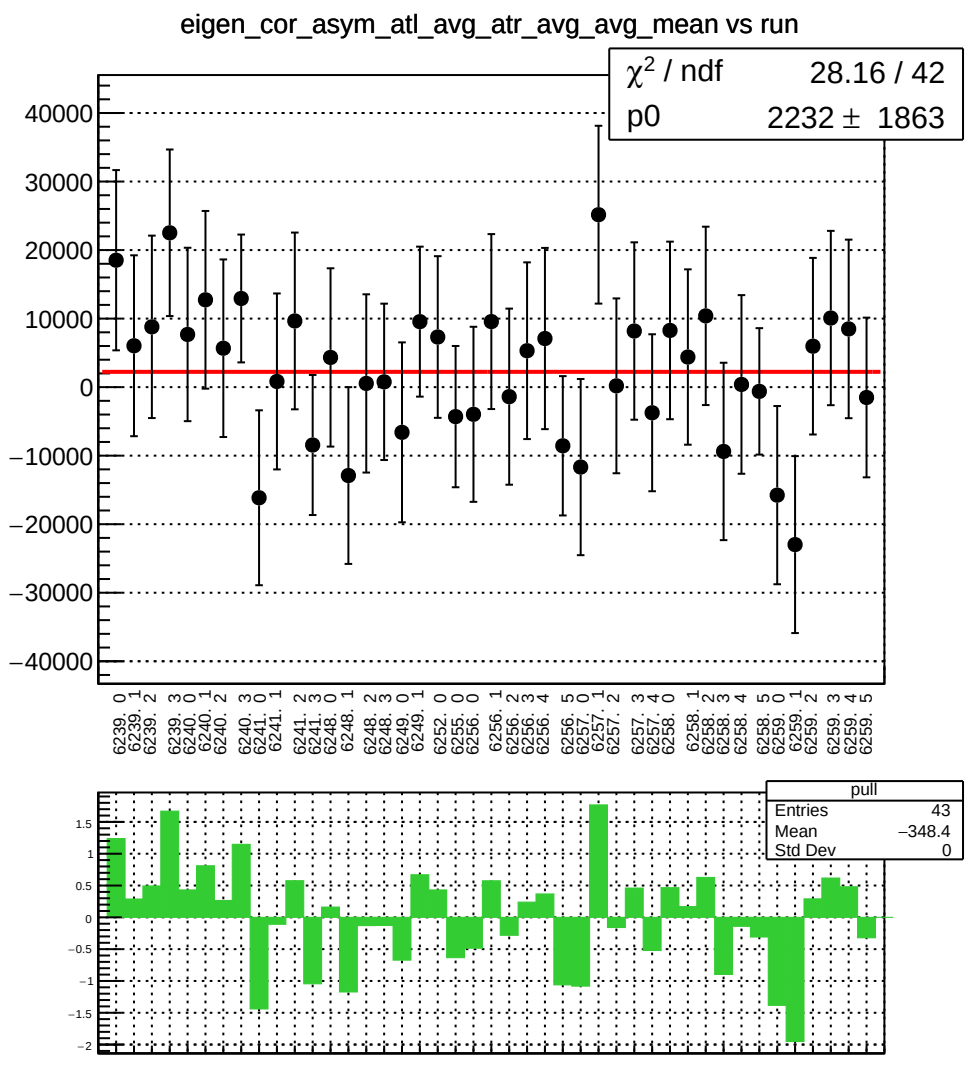

pull1D
Entries 43
Mean 0.00731
Std Dev 0.8092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

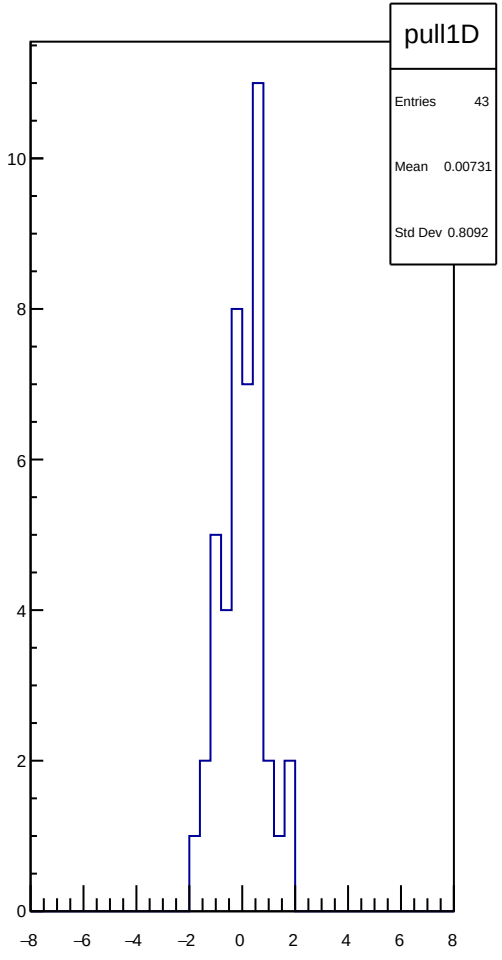

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 87.99 / 42
p0 1228 ± 1.317
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

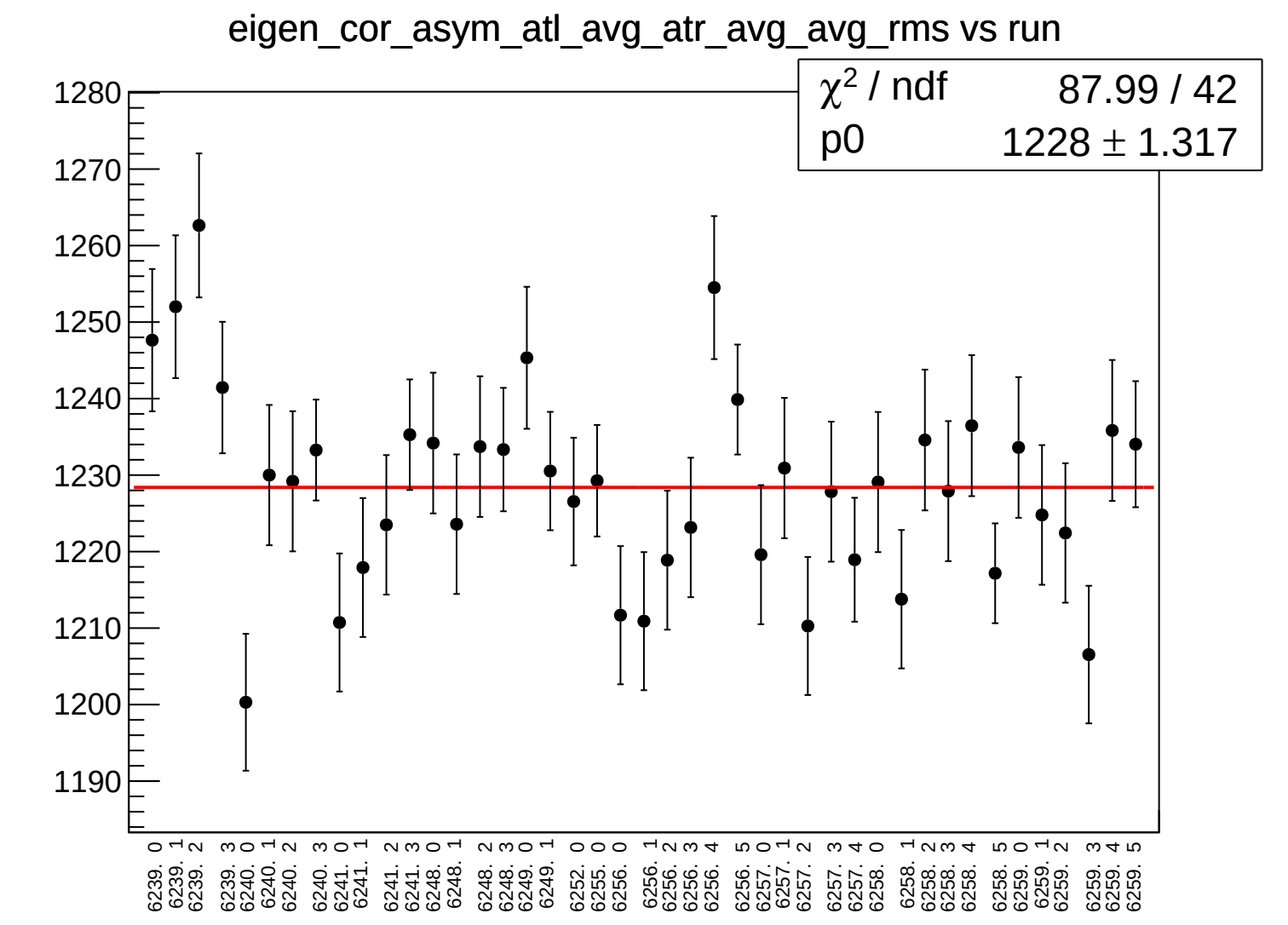

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.67 / 42
p0 −1558 ± 5987
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.49
Std Dev 0
2
1
0
−1
−2

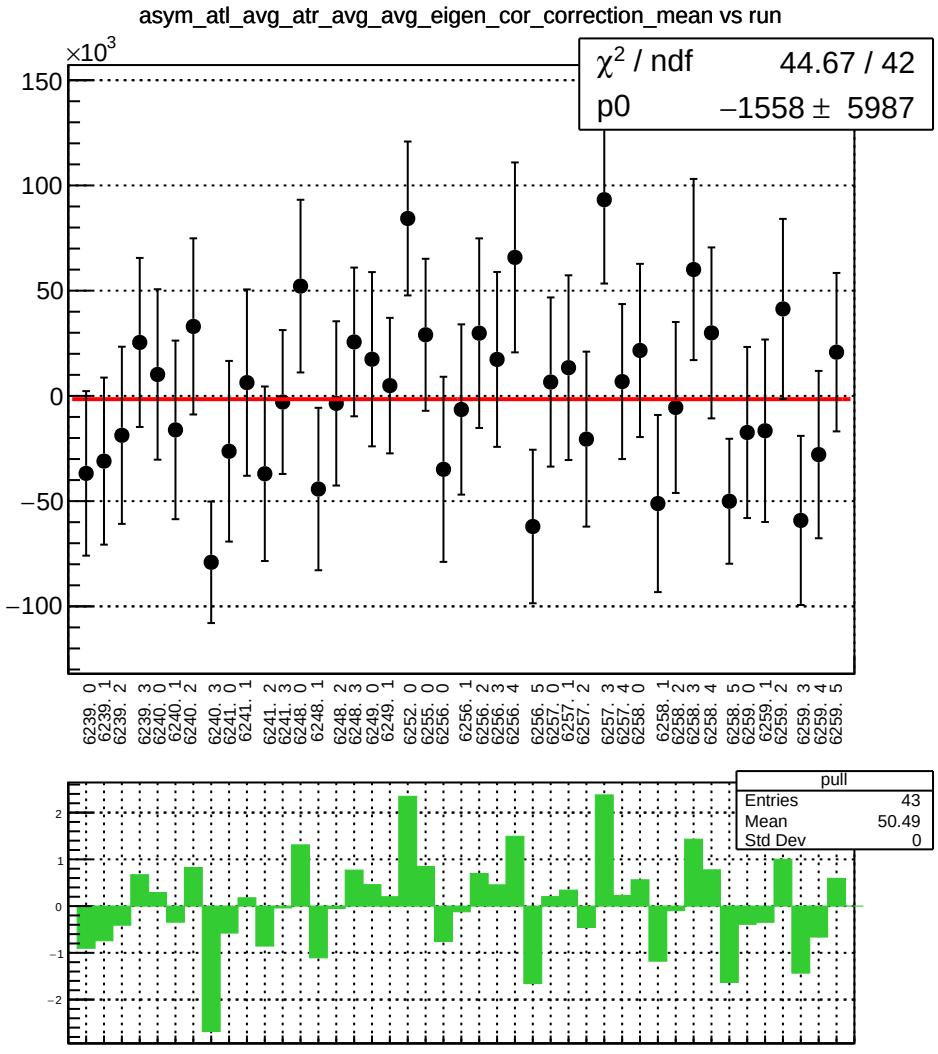

pull1D
Entries 43
Mean 0.03757
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

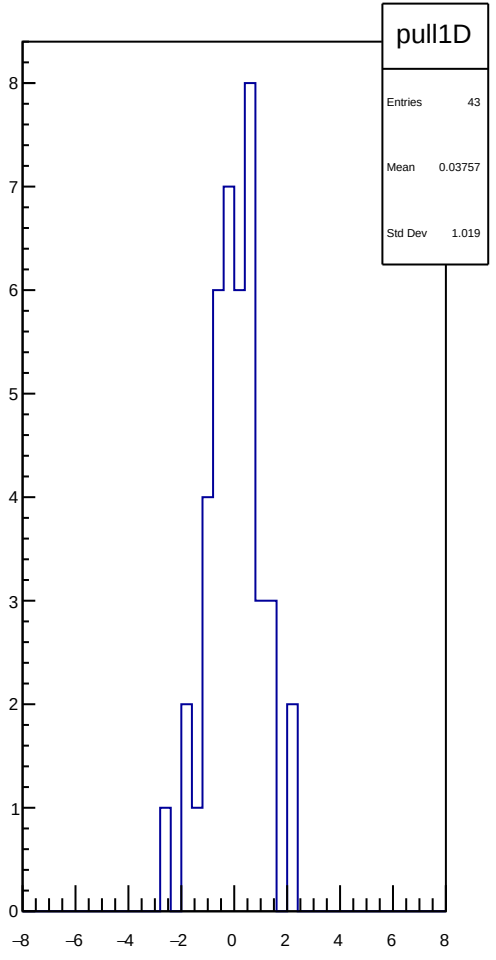

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1937 / 42
p0 3943 ± 4.234
4400
4200
4000
3800
3600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

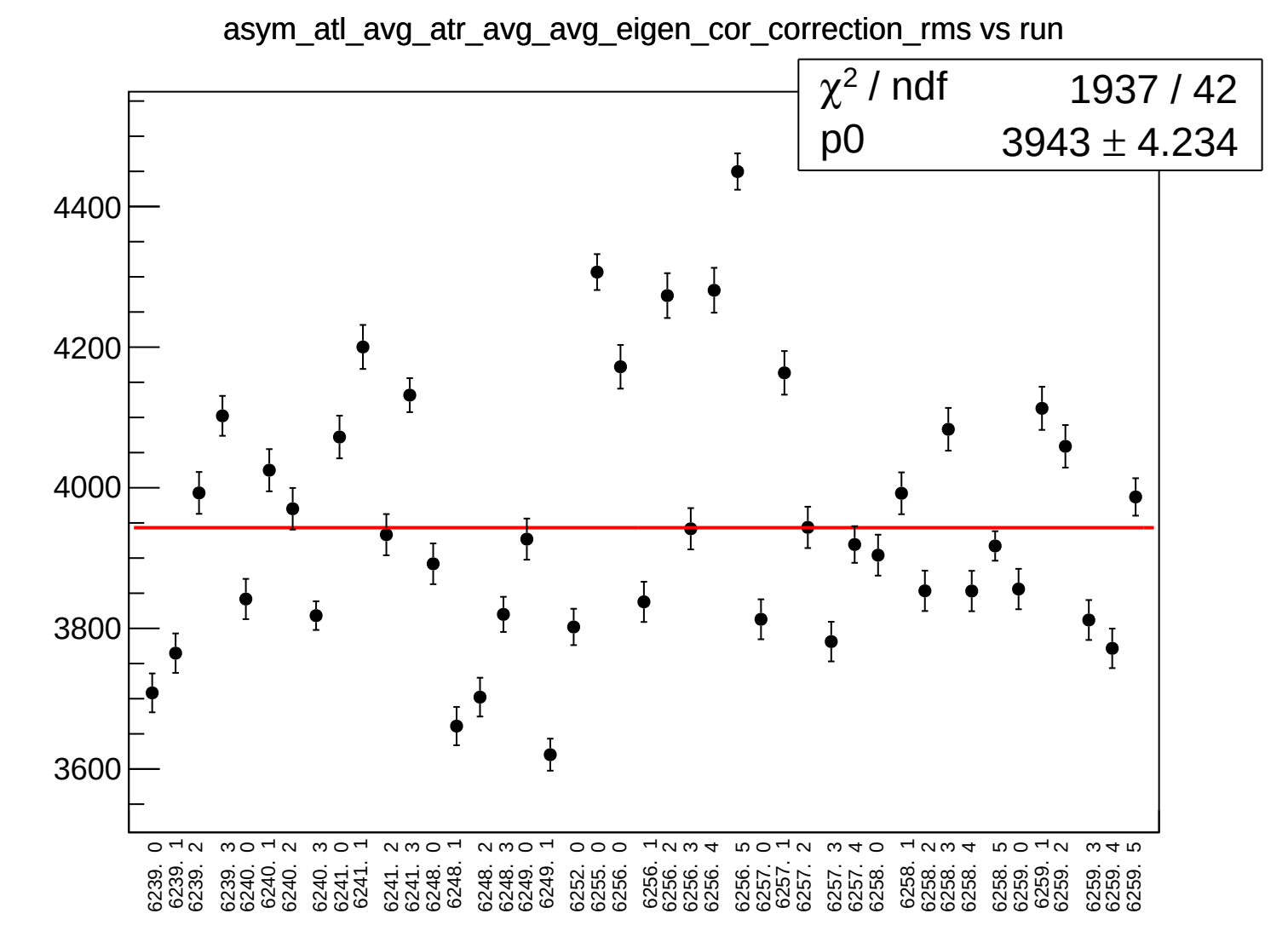

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 28.16 / 42
p0 2232 ± 1863
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −348.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

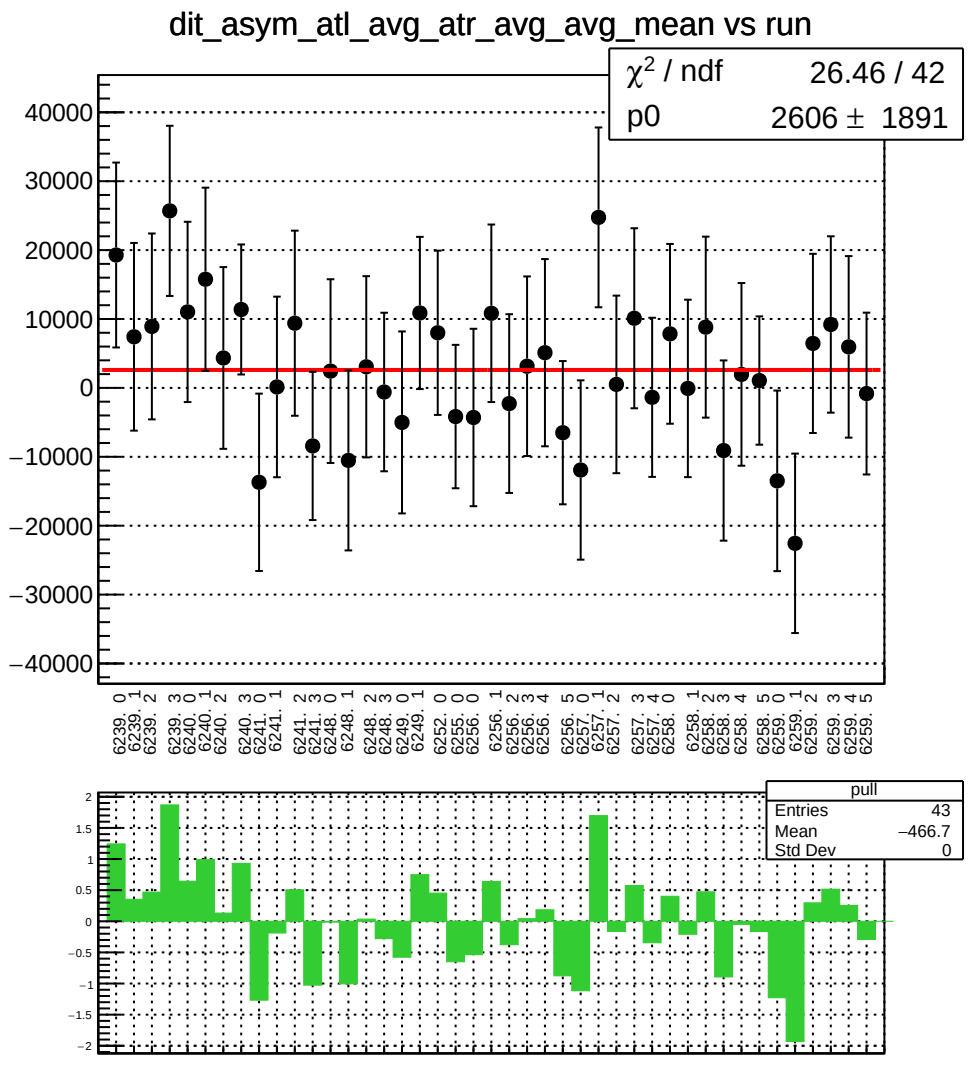

pull1D
Entries 43
Mean 0.00731
Std Dev 0.8092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

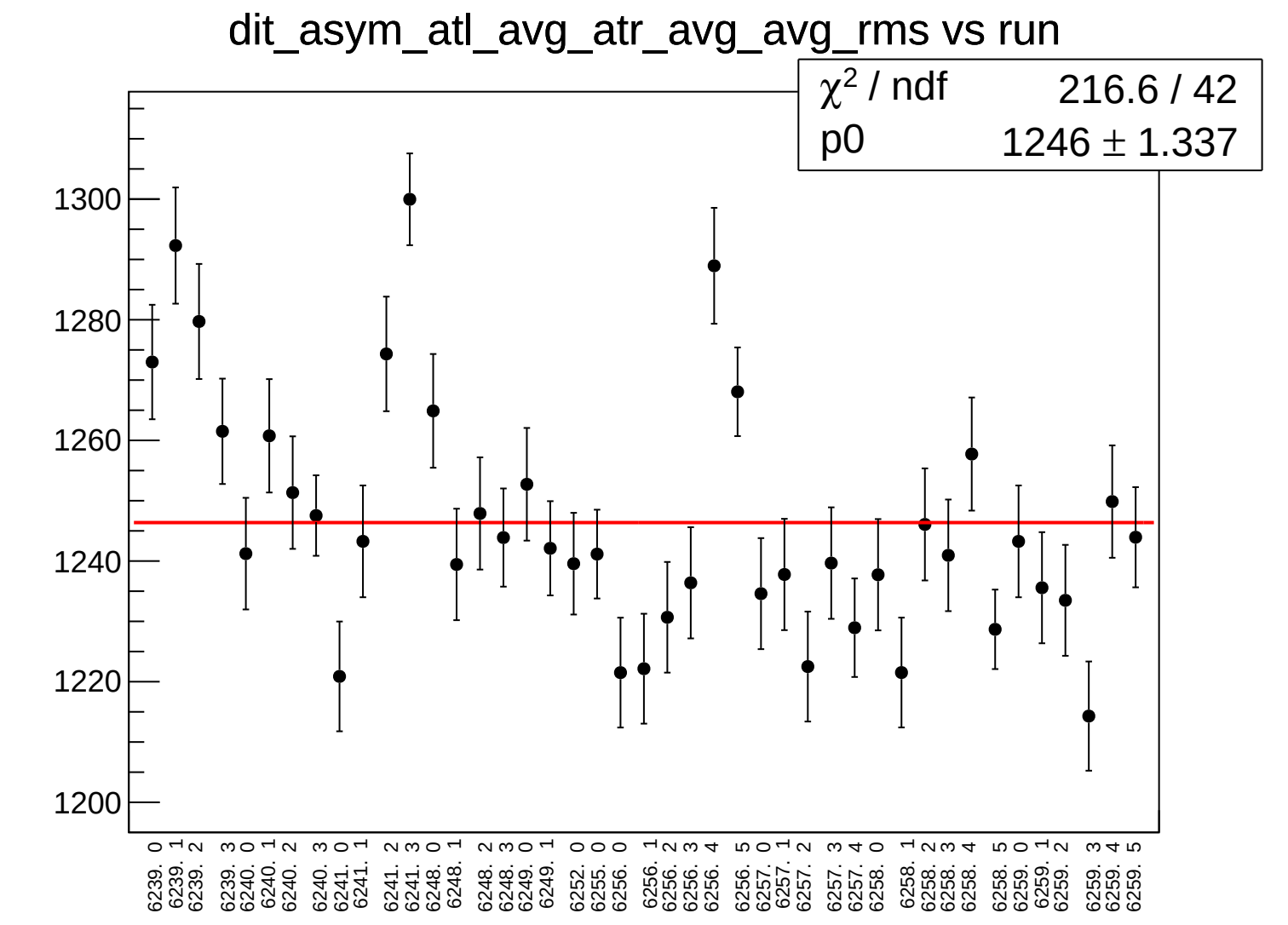

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 87.99 / 42
p0 1228 ± 1.317
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

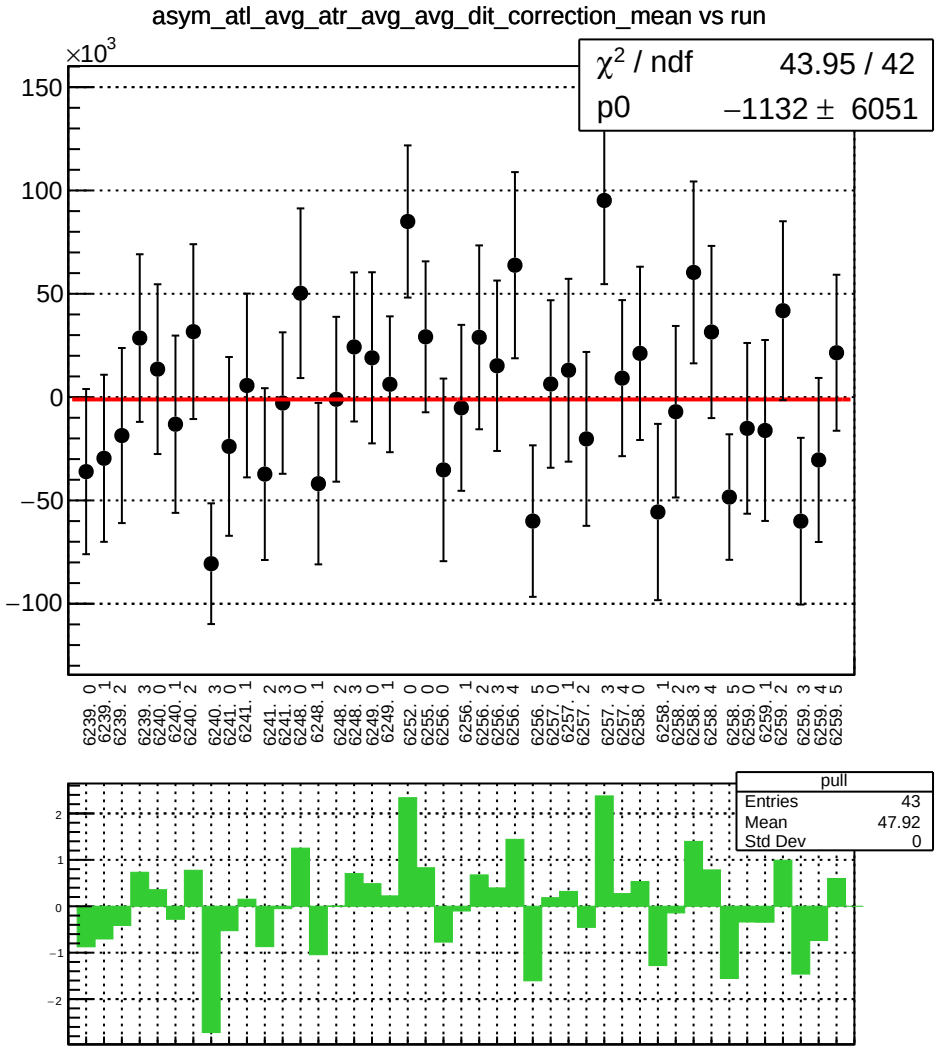

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.67 / 42
p0 −1558 ± 5987
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.49
Std Dev 0
2
1
0
−1
−2

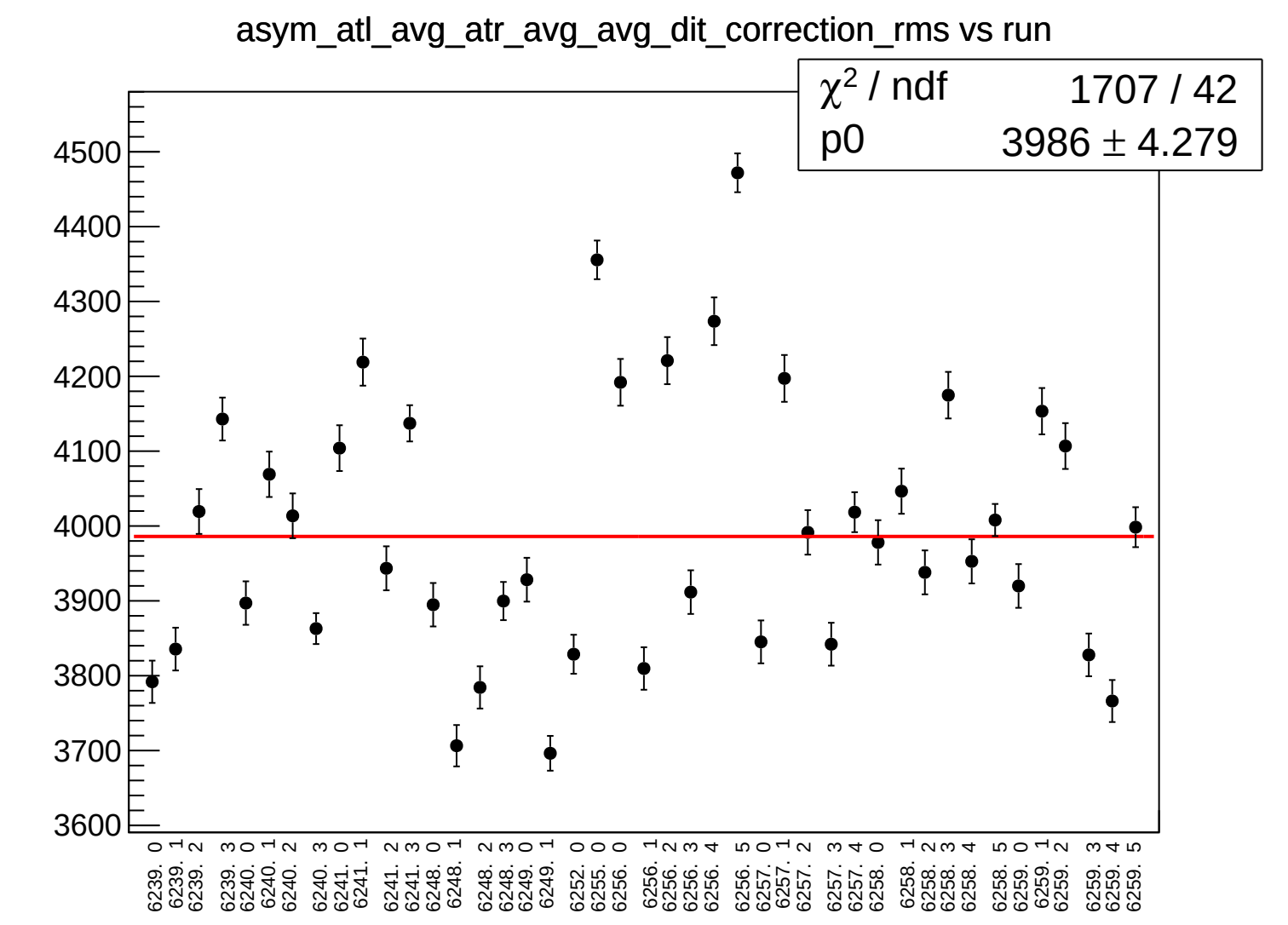

pull1D
Entries 43
Mean 0.03757
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1937 / 42
p0 3943 ± 4.234
4400
4200
4000
3800
3600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 26.46 / 42
p0 2606 ± 1891
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −466.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.006107
Std Dev 0.7845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 216.6 / 42
p0 1246 ± 1.337
1300
1280
1260
1240
1220
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.95 / 42
p0 −1132 ± 6051
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03623
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 1707 / 42
p0 3986 ± 4.279
4500
4400
4300
4200
4100
4000
3900
3800
3700
3600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
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6241. 0
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6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
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6249. 1
6252. 0
6255. 0
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6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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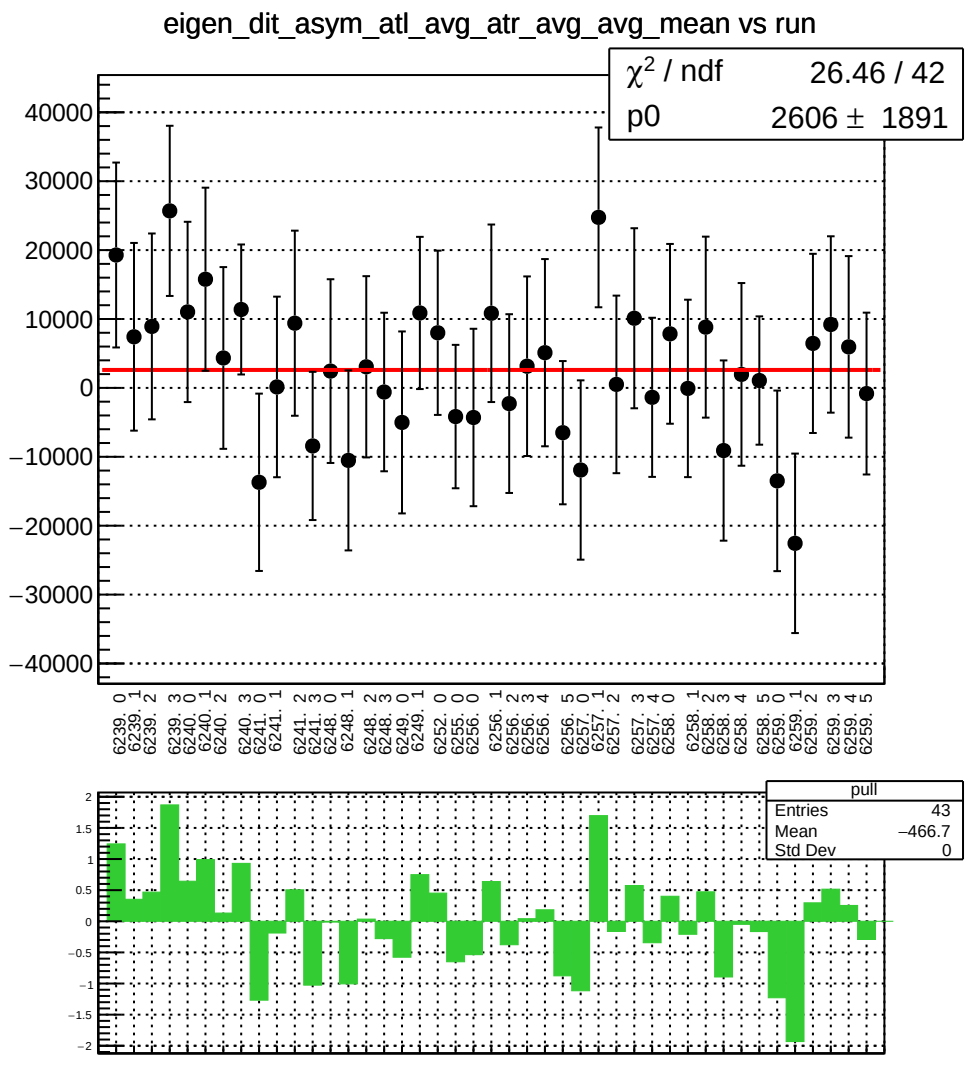
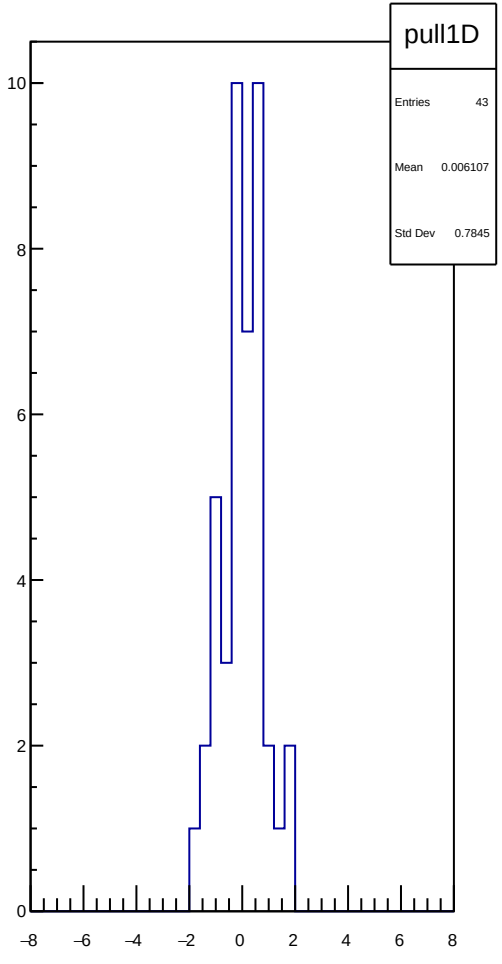
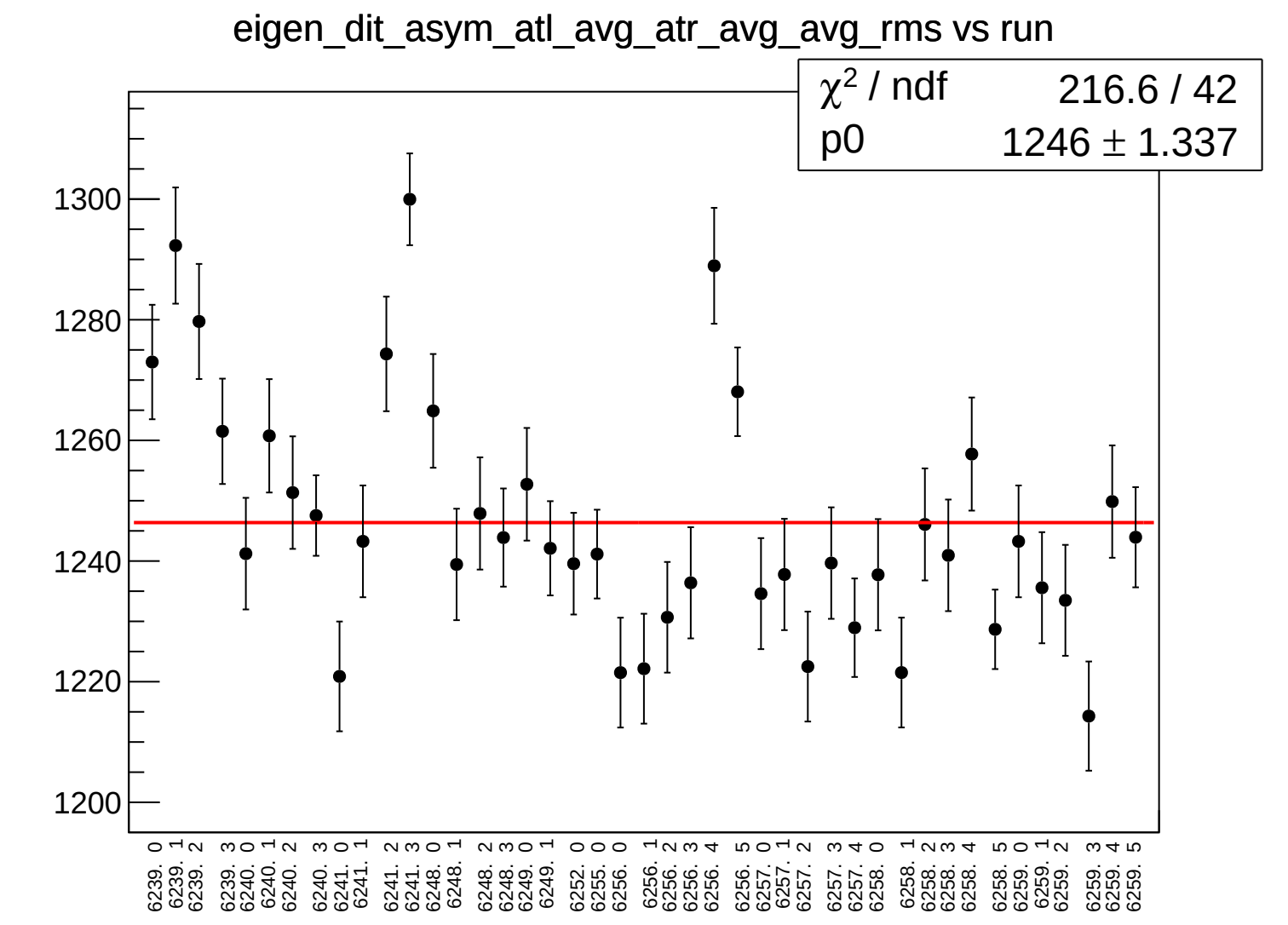
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 26.46 / 42
p0 2606 ± 1891
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −466.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.006107
Std Dev 0.7845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 216.6 / 42
p0 1246 ± 1.337
1300
1280
1260
1240
1220
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6240. 2
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6241. 0
6241. 1
6241. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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6256. 4
6256. 5
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6257. 2
6257. 3
6257. 4
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6258. 1
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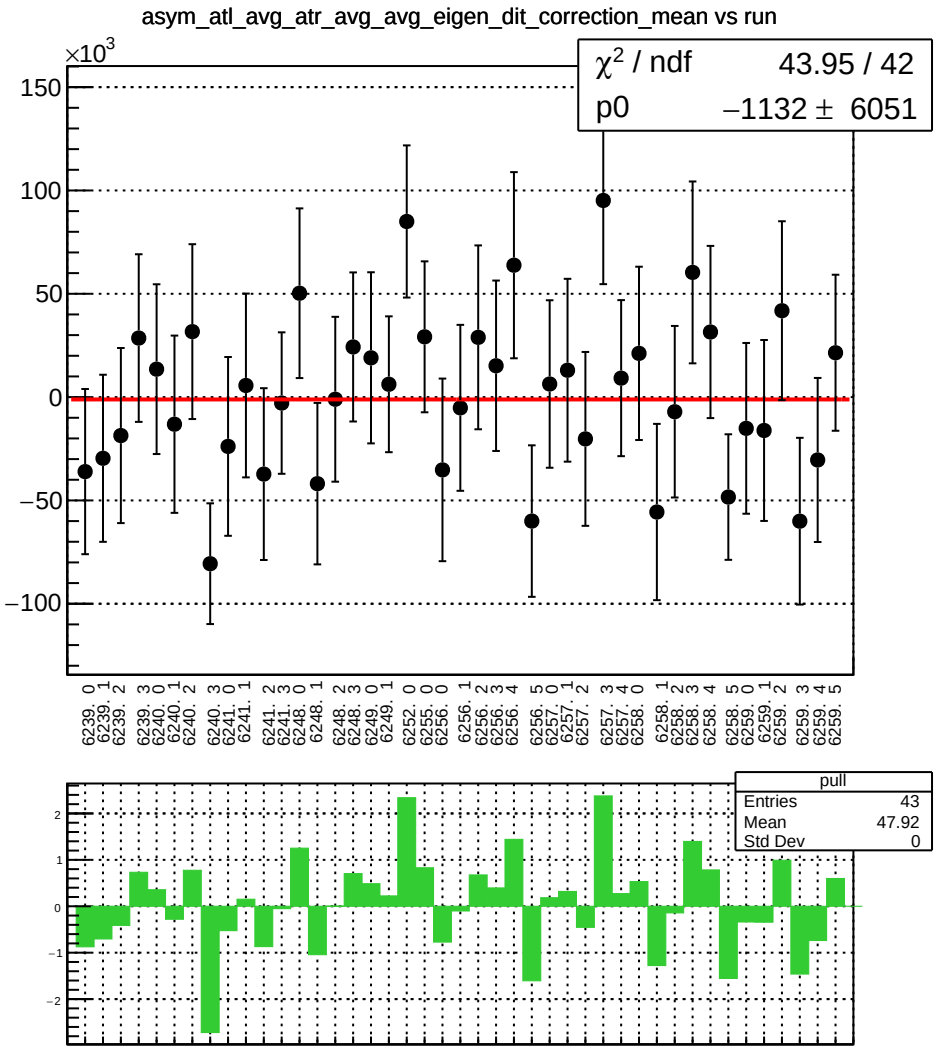
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.95 / 42
p0 −1132 ± 6051
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
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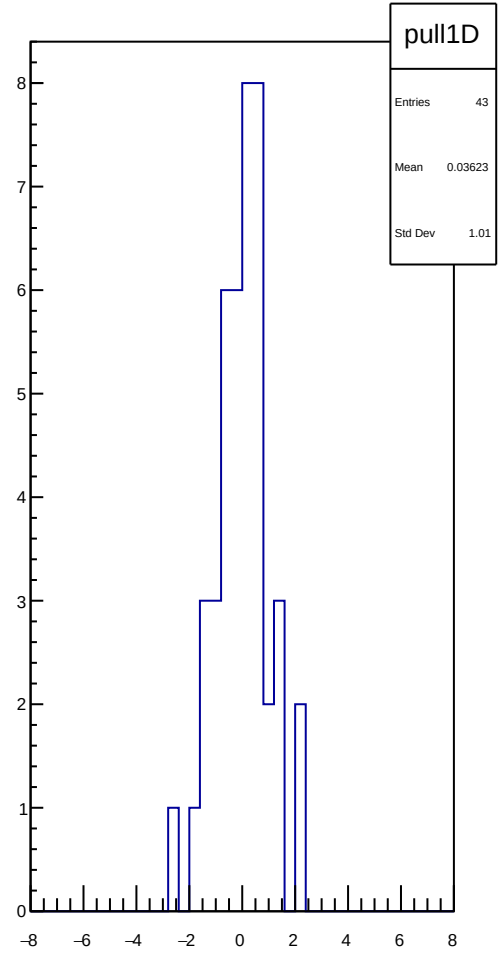
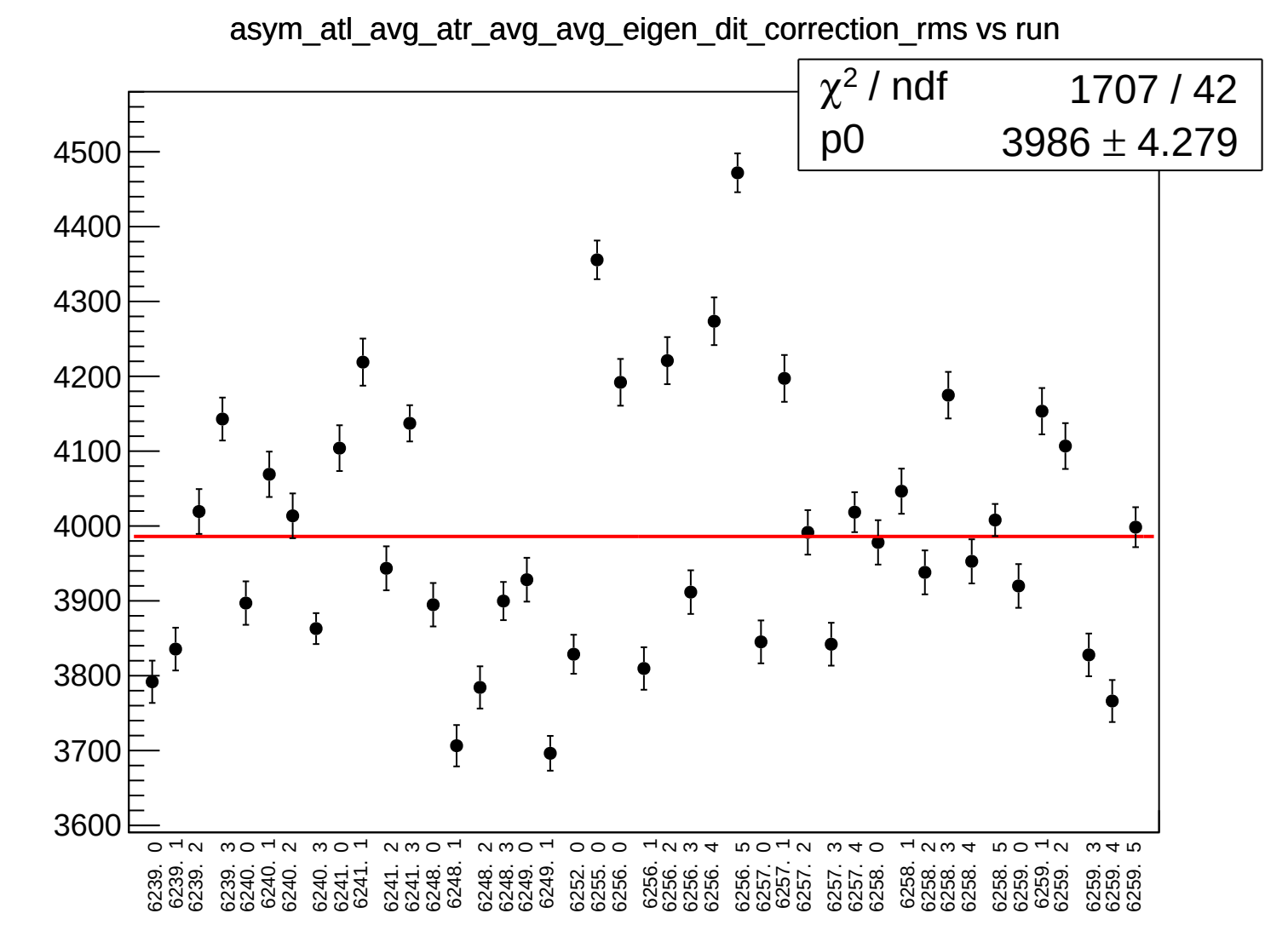
6259. 4
6259. 5
pull
Entries 43
Mean 47.92
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03623
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1707 / 42
p0 3986 ± 4.279
4500
4400
4300
4200
4100
4000
3900
3800
3700
3600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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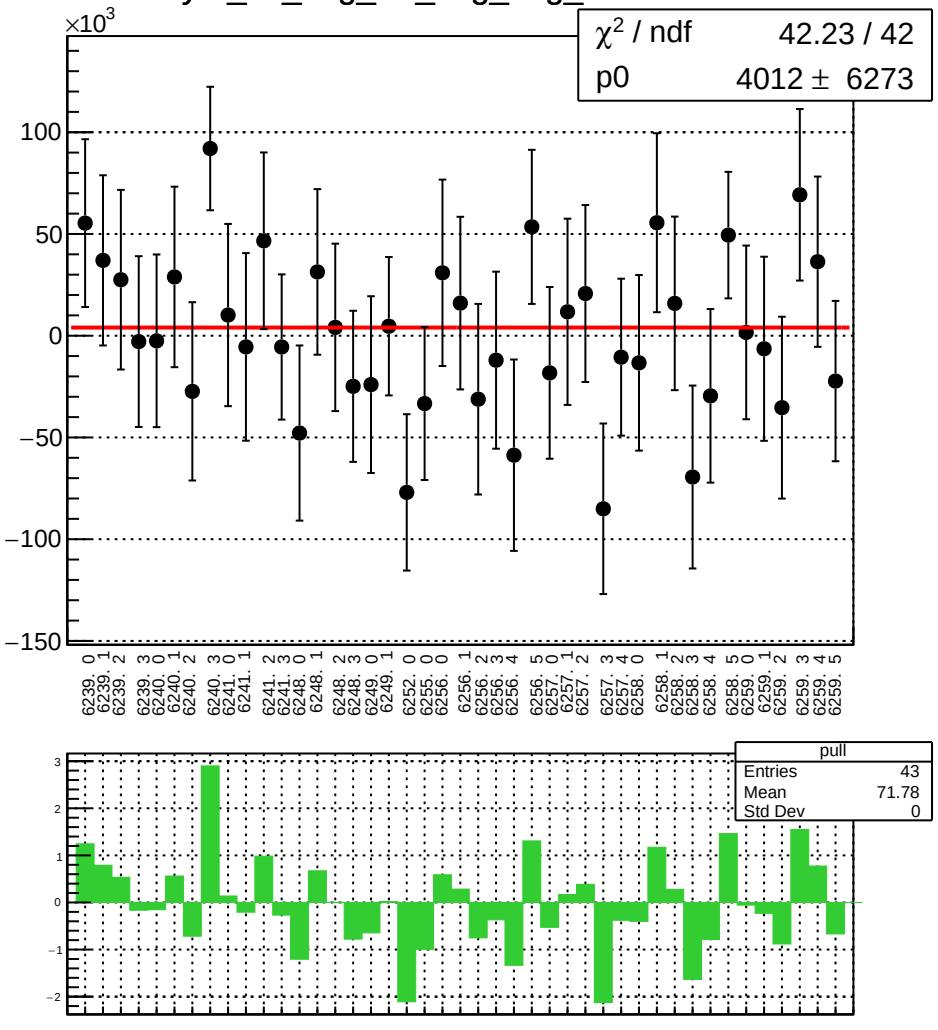
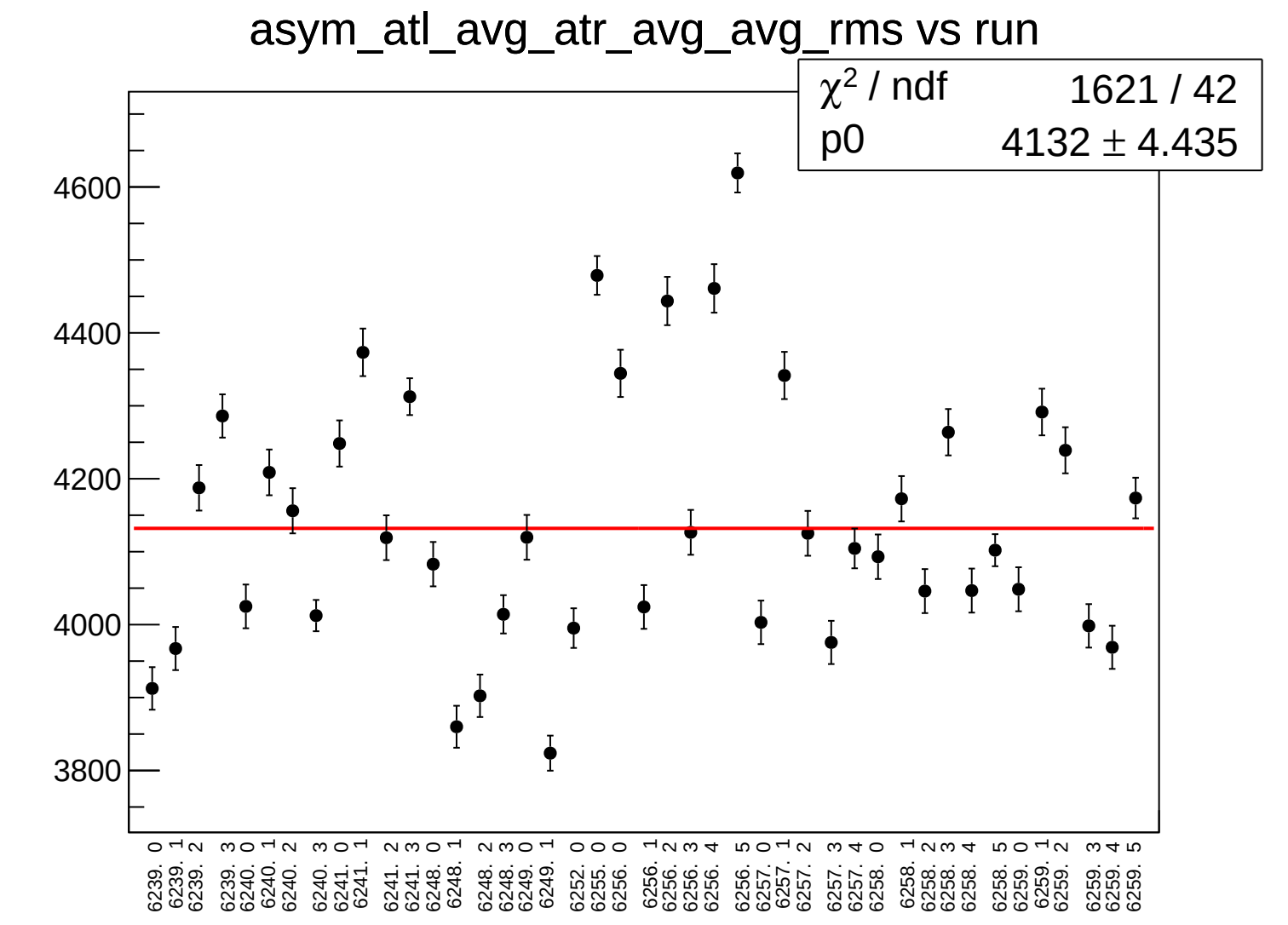
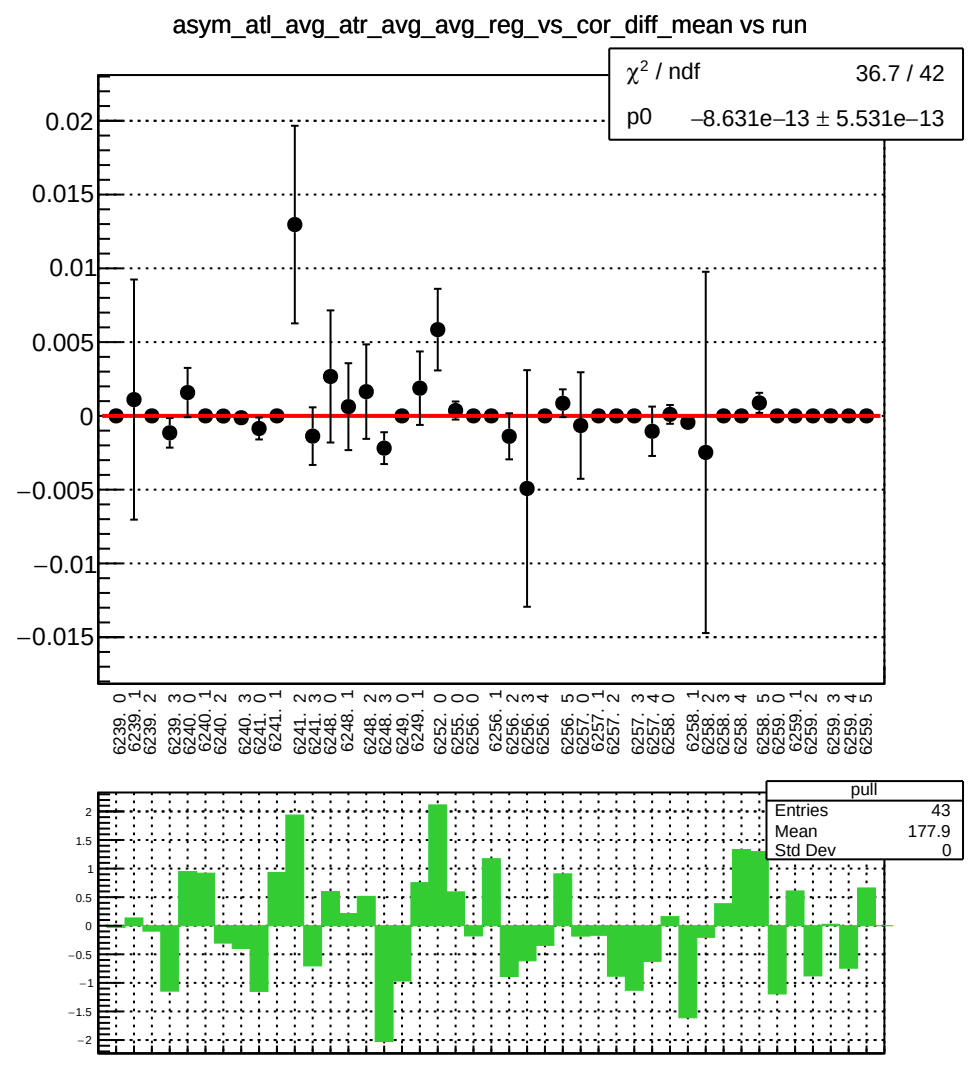
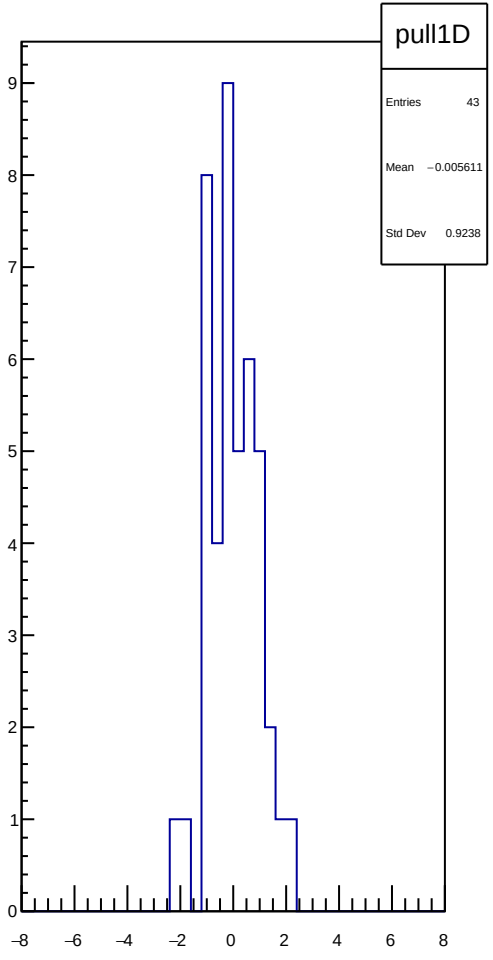
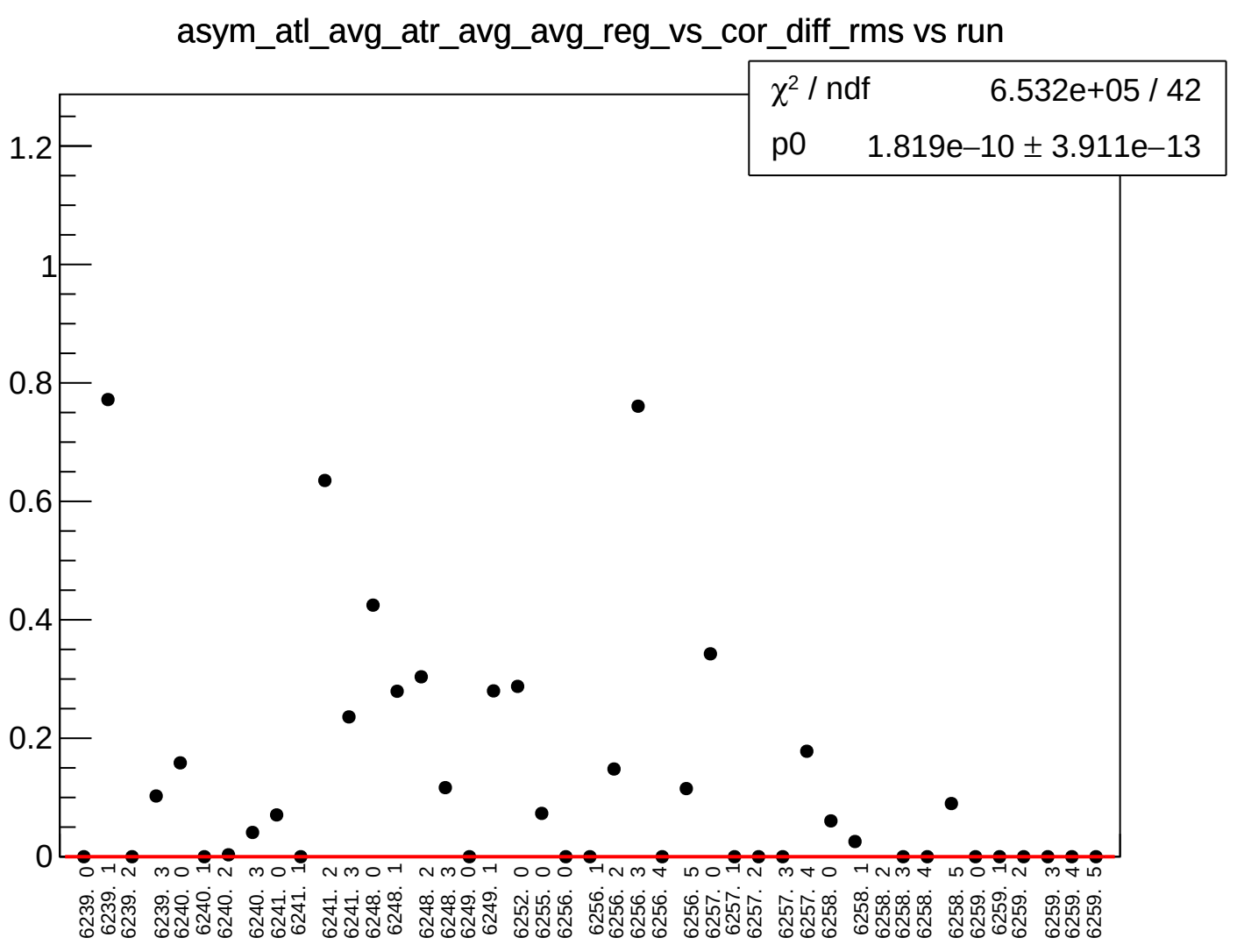
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

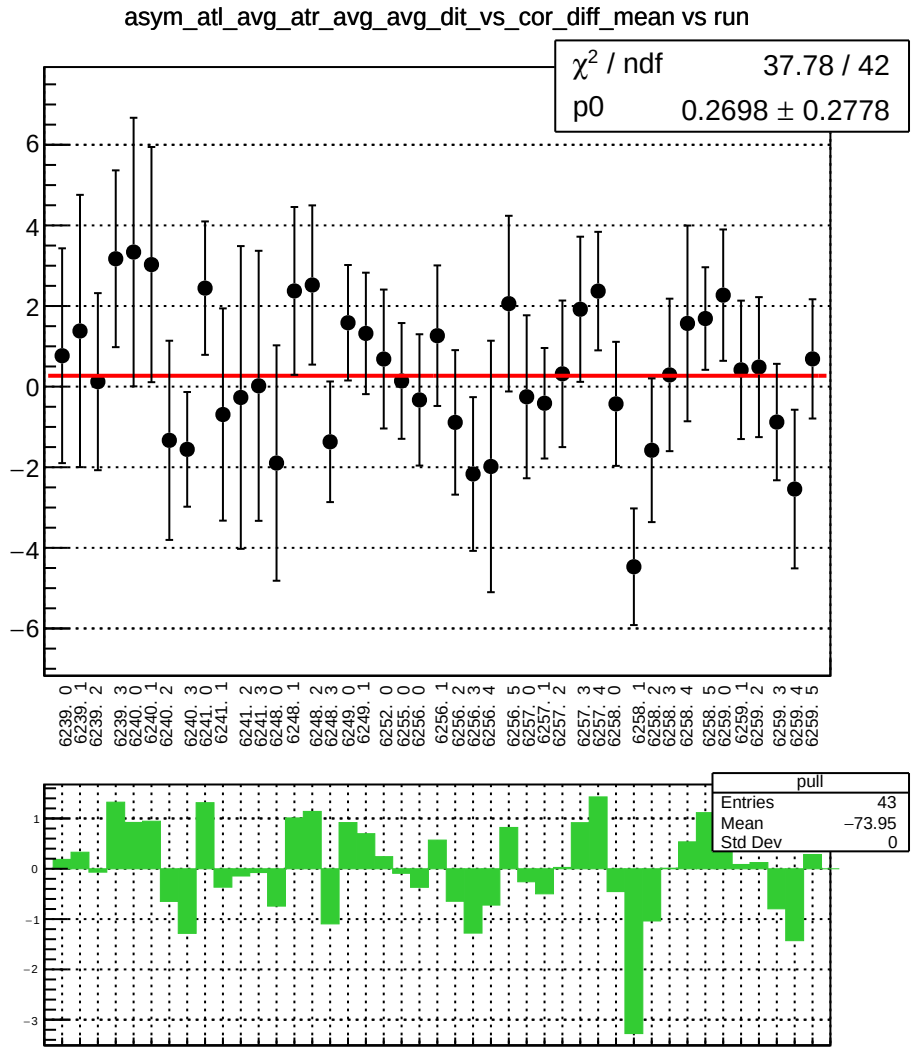

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 42.23 / 42
p0 4012 ± 6273
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.78
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03667
Std Dev 0.9904
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

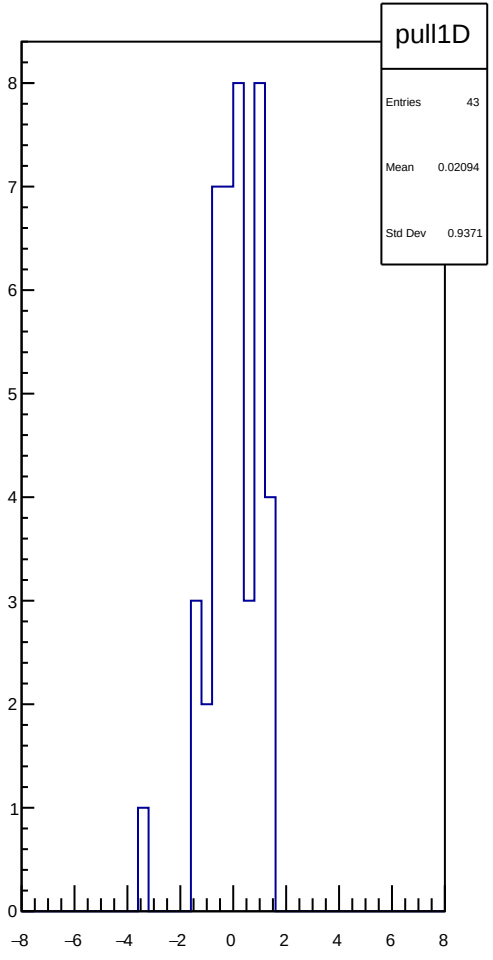

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1621 / 42
p0 4132 ± 4.435
4600
4400
4200
4000
3800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

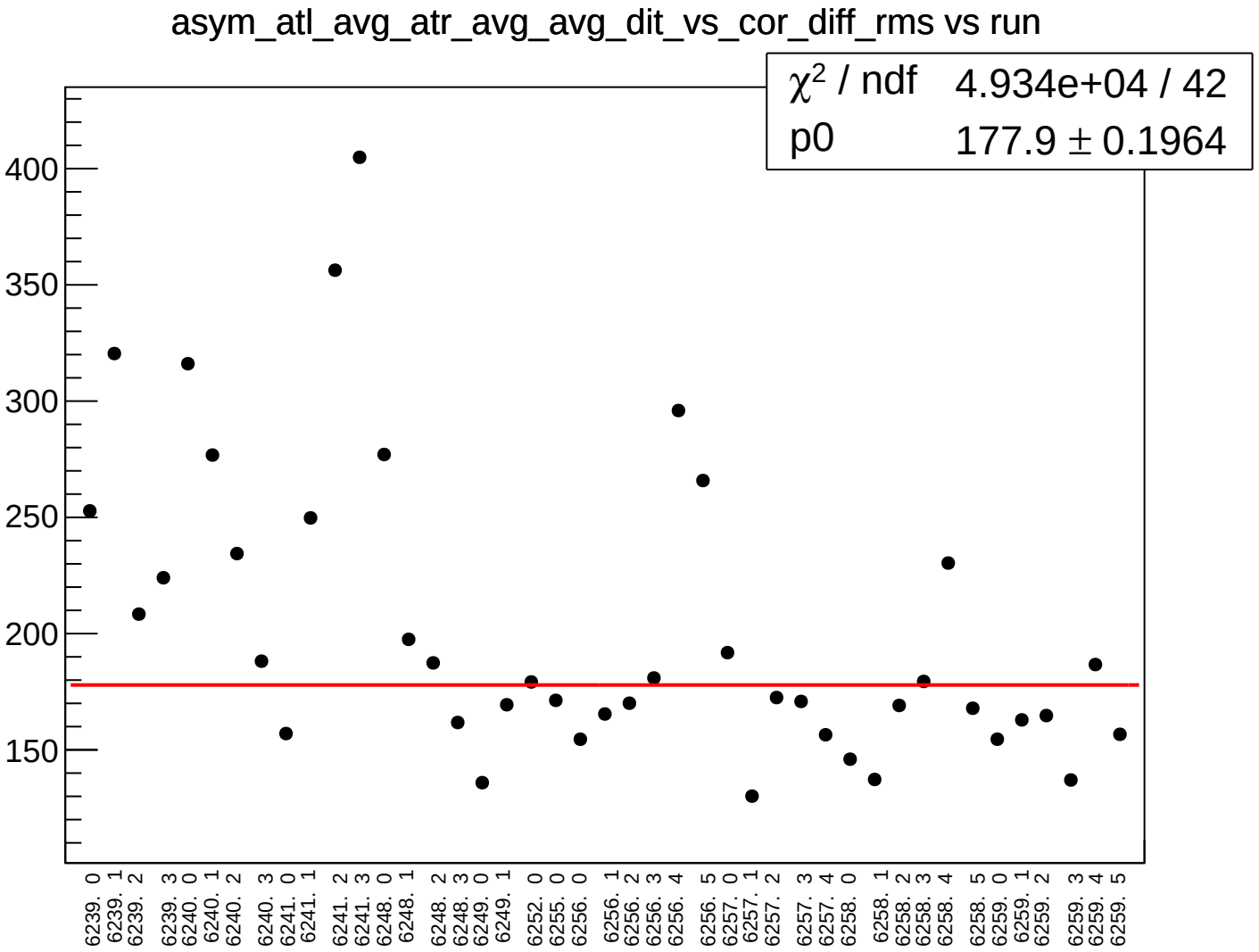

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.7 / 42
p0 −8.631e−13 ± 5.531e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 177.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

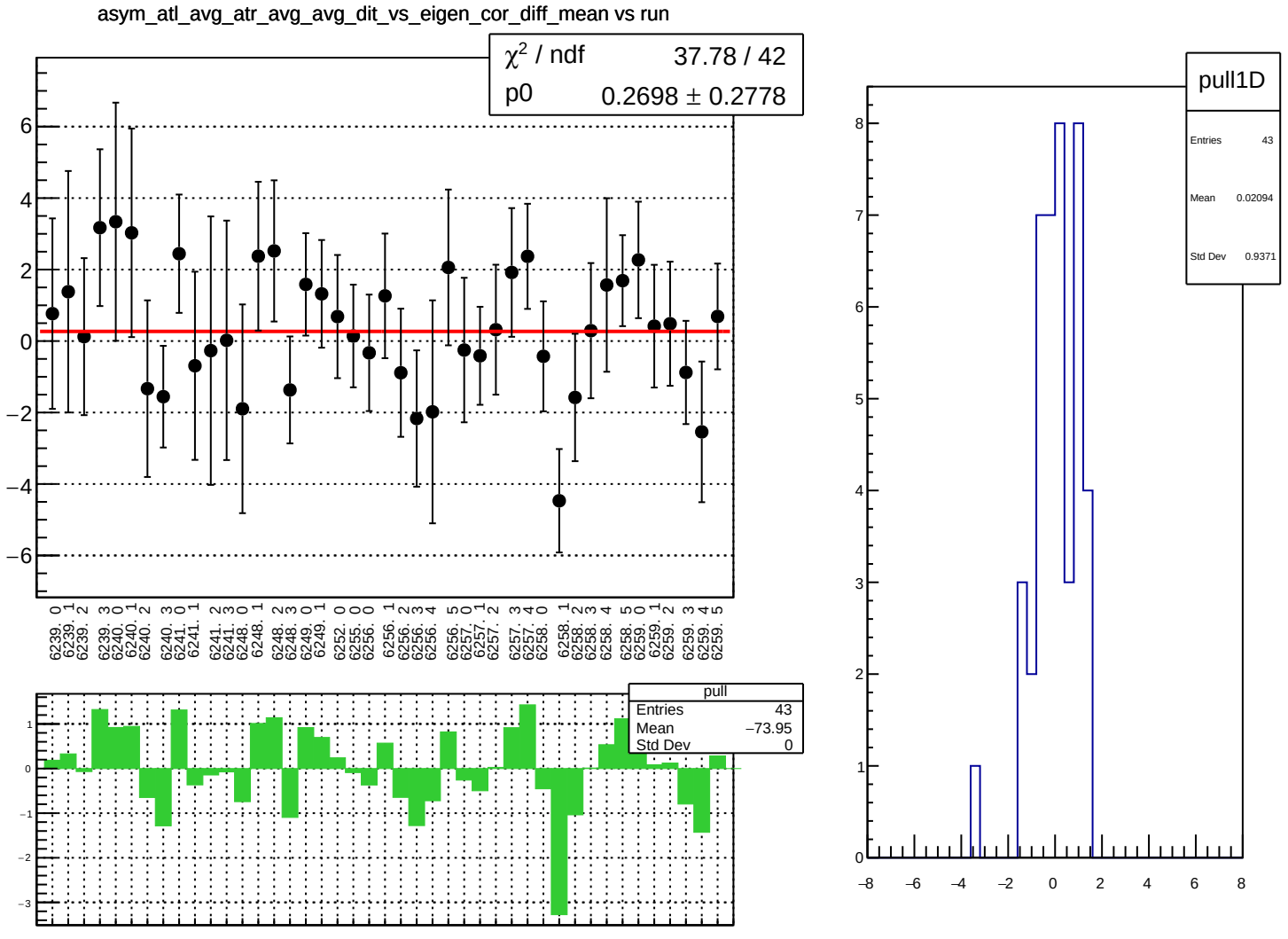

pull1D
Entries 43
Mean −0.005611
Std Dev 0.9238
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

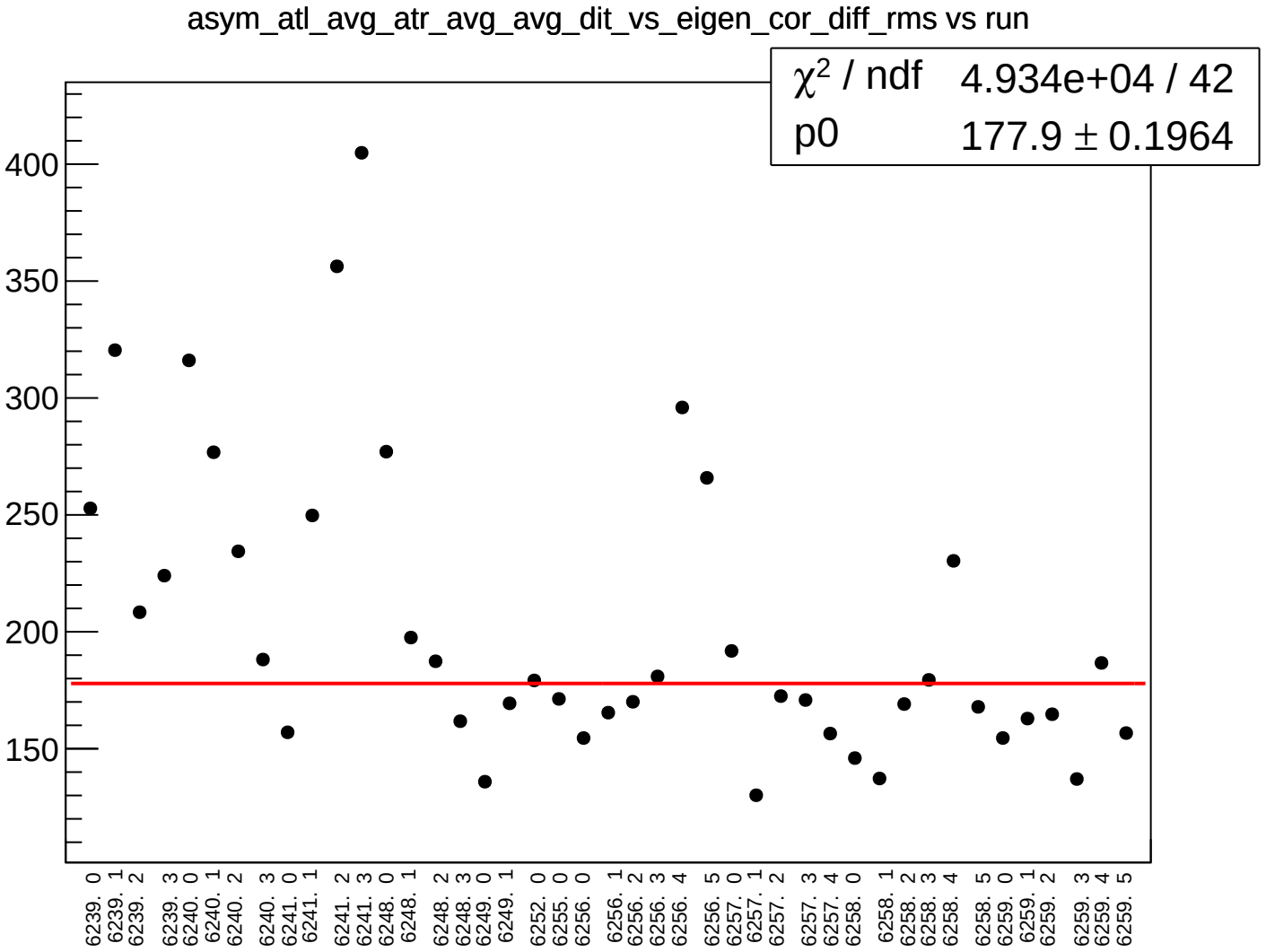

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.532e+05 / 42
p0 1.819e−10 ± 3.911e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

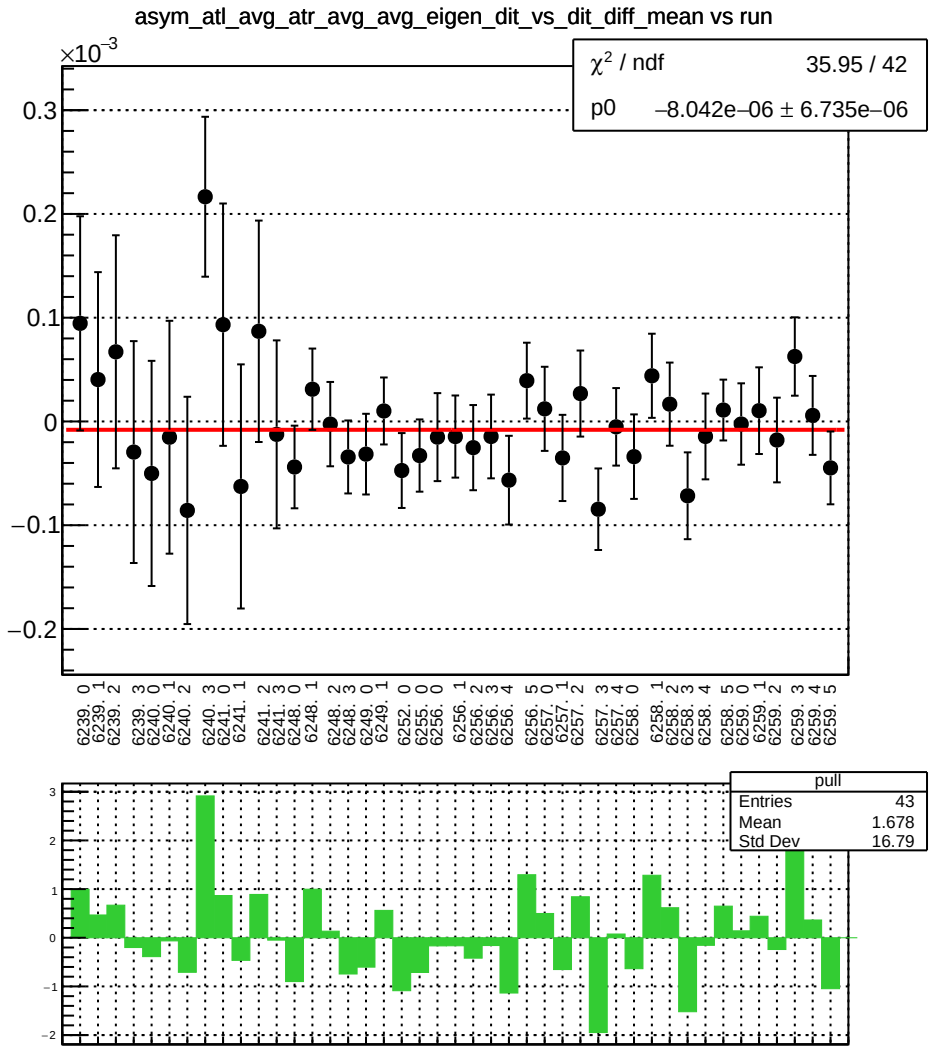

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.78 / 42
p0 0.2698 ± 0.2778
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −73.95
Std Dev 0
1
0
−1
−2
−3

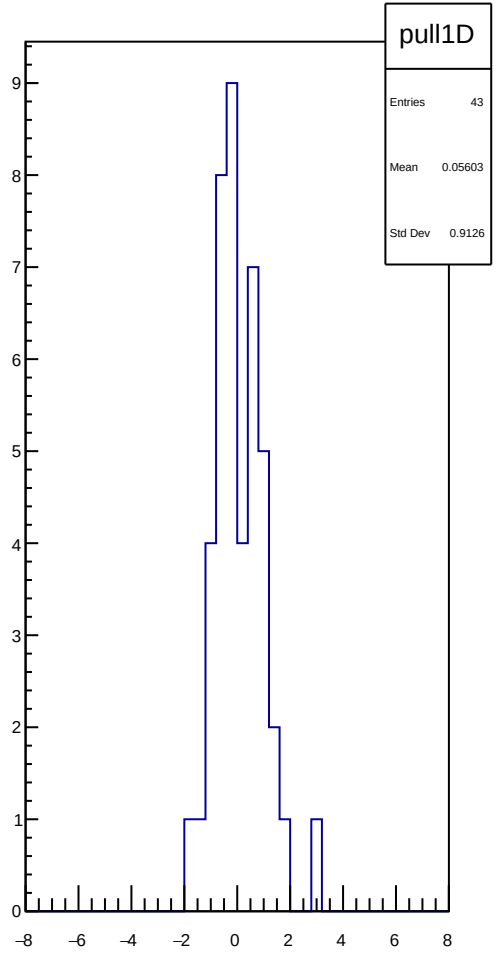

pull1D
Entries 43
Mean 0.02094
Std Dev 0.9371
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

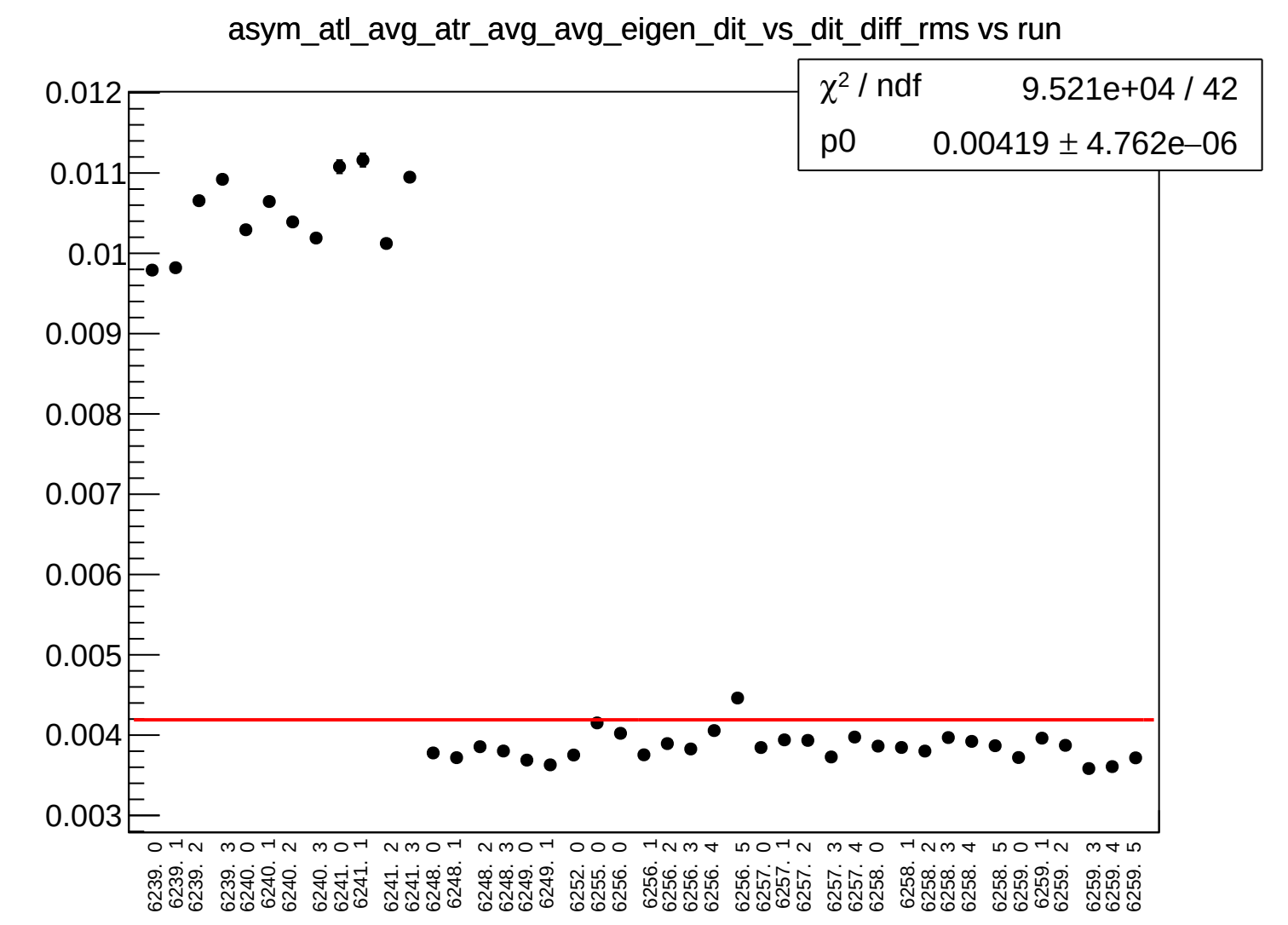

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.934e+04 / 42
p0 177.9 ± 0.1964
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

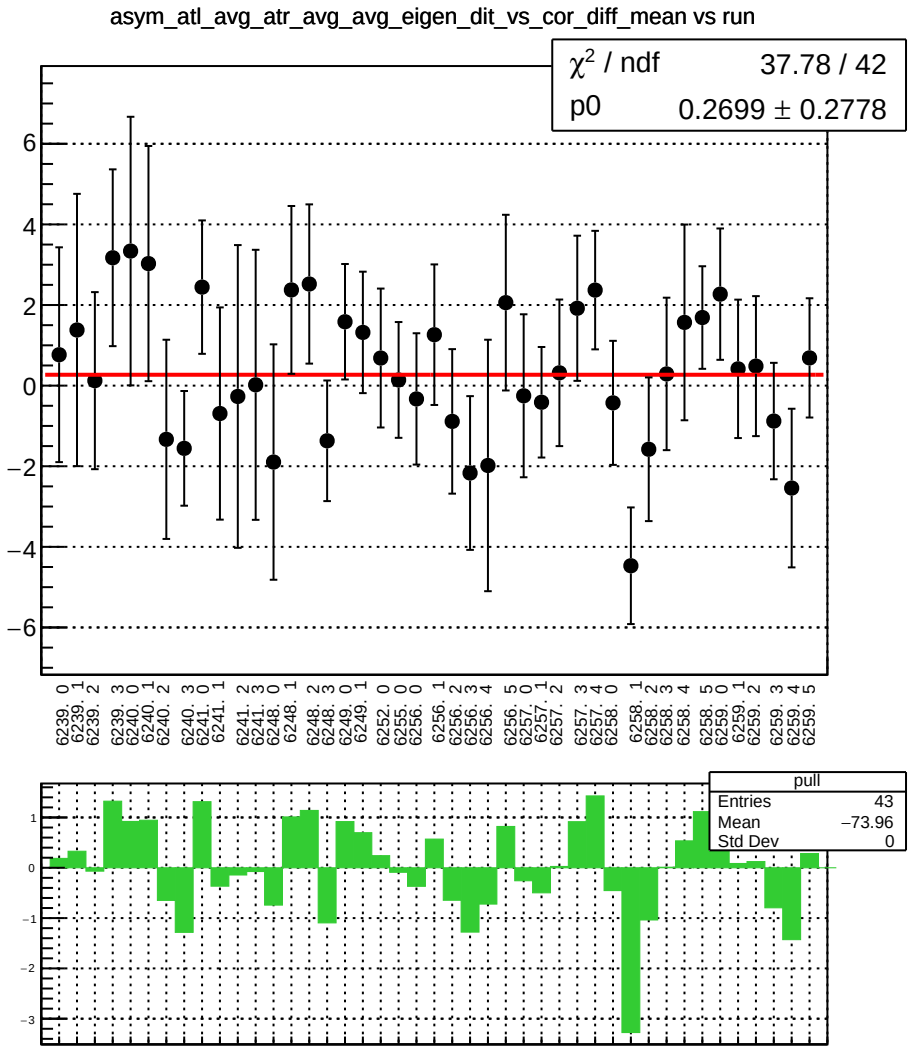

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.78 / 42
p0 0.2698 ± 0.2778
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −73.95
Std Dev 0
pull1D
Entries 43
Mean 0.02094
Std Dev 0.9371

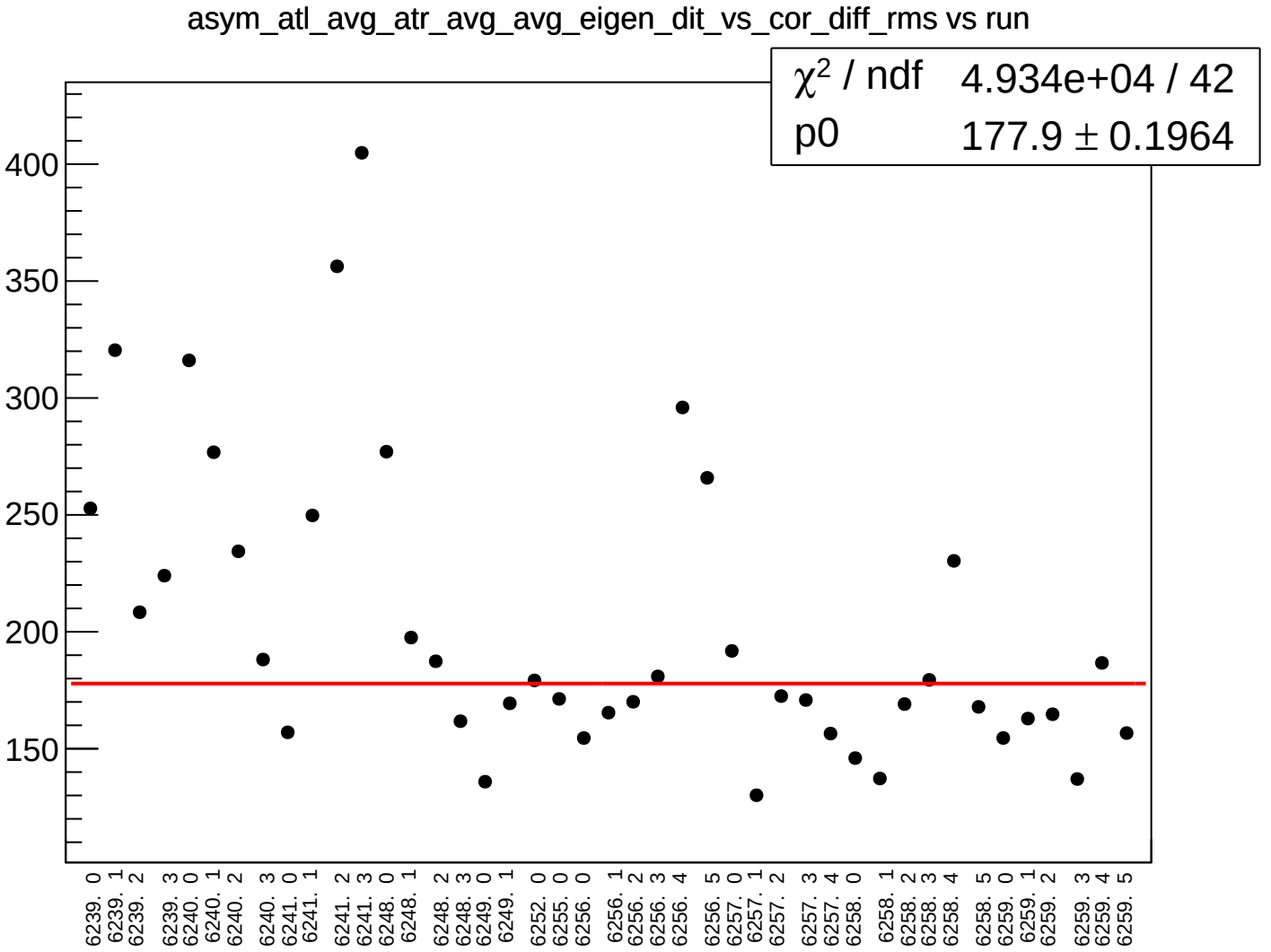

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.934e+04 / 42
p0 177.9 ± 0.1964
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

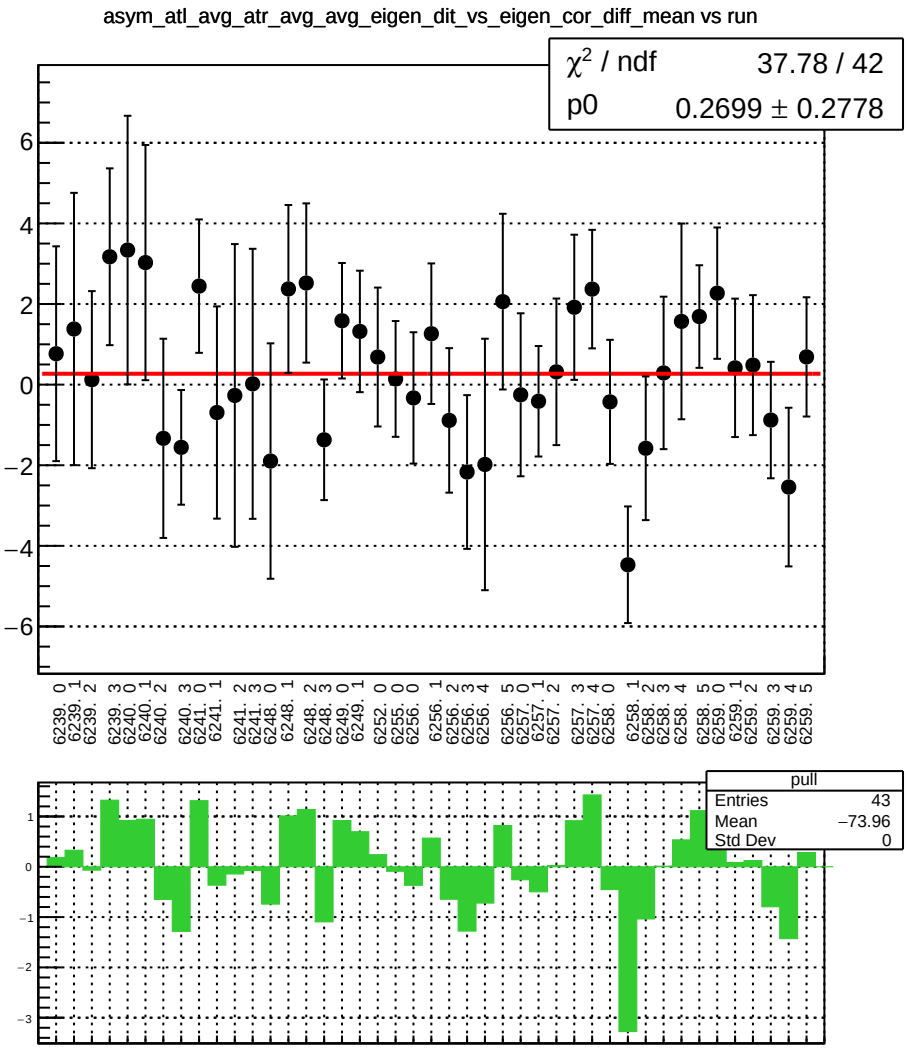

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.95 / 42
p0 −8.042e−06 ± 6.735e−06
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.678
Std Dev 16.79
3
2
1
0
−1
−2

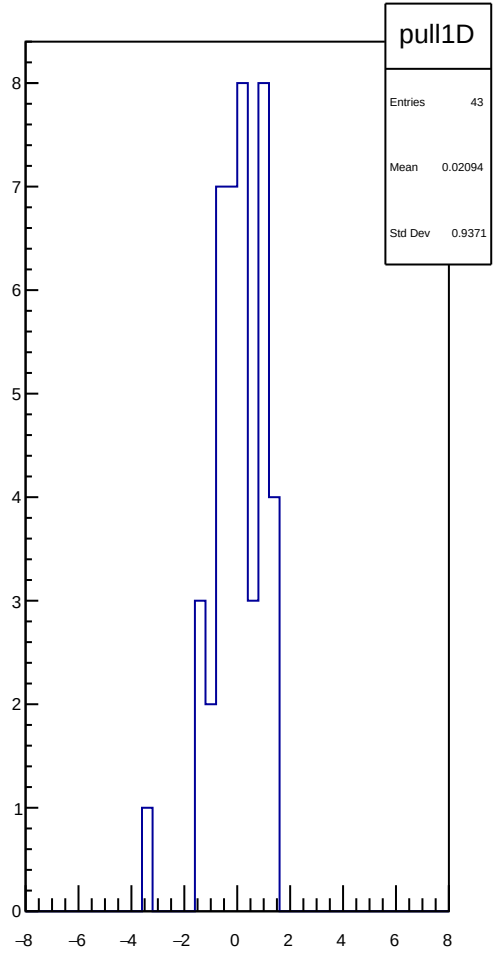

pull1D
Entries 43
Mean 0.05603
Std Dev 0.9126
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

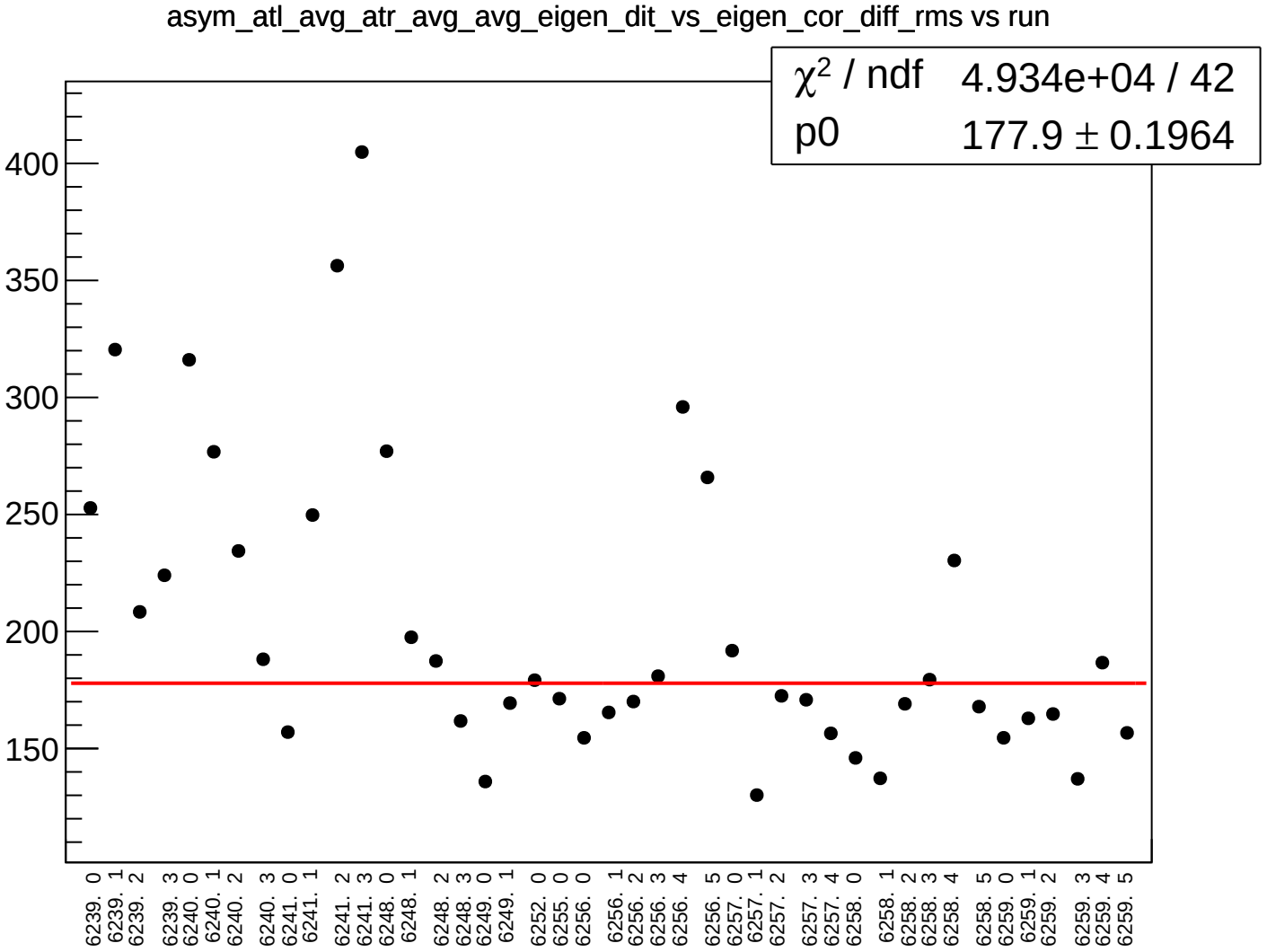

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.521e+04 / 42
p0 0.00419 ± 4.762e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

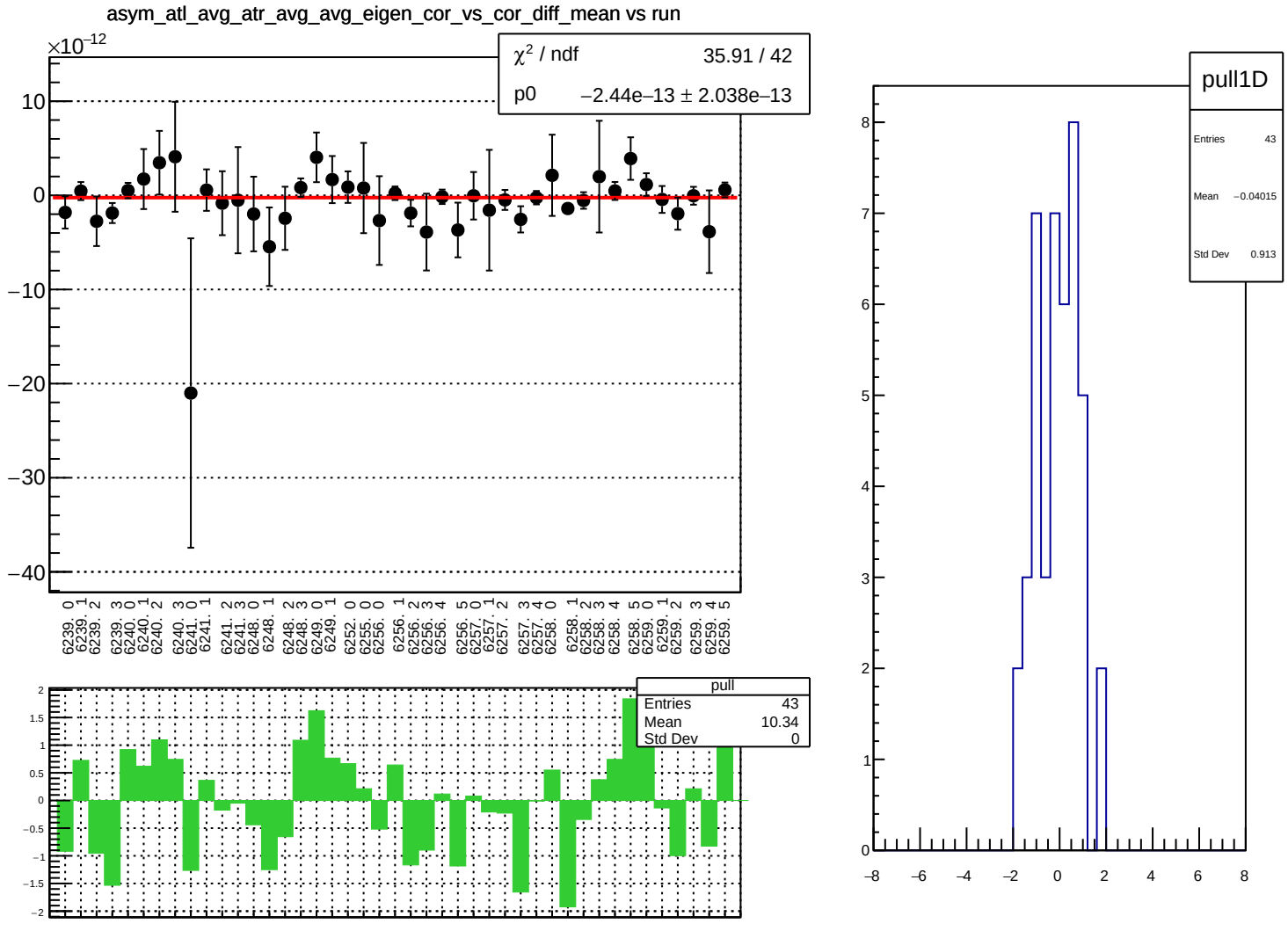

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.78 / 42
p0 0.2699 ± 0.2778
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −73.96
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02094
Std Dev 0.9371
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

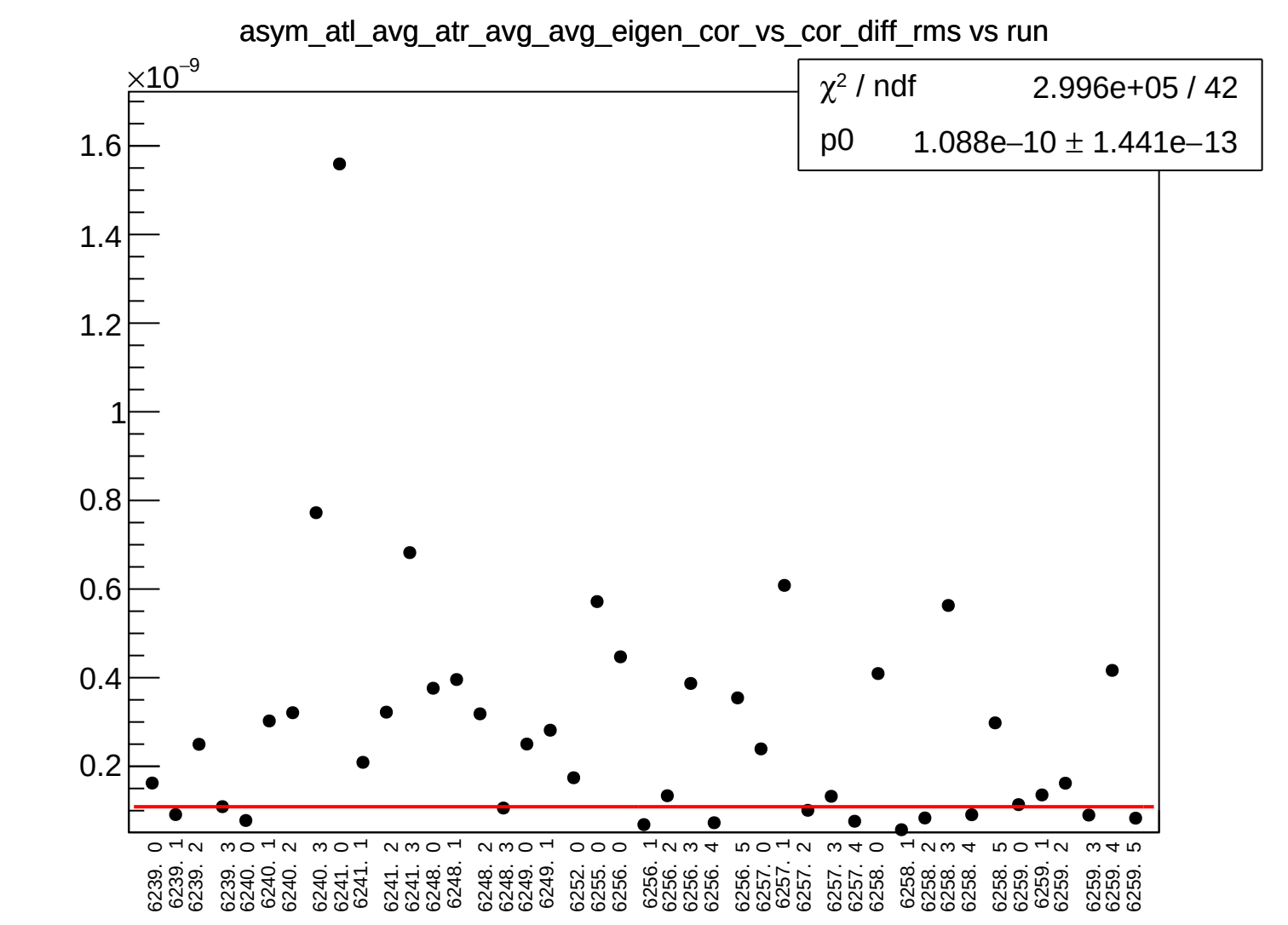

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.934e+04 / 42
p0 177.9 ± 0.1964
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

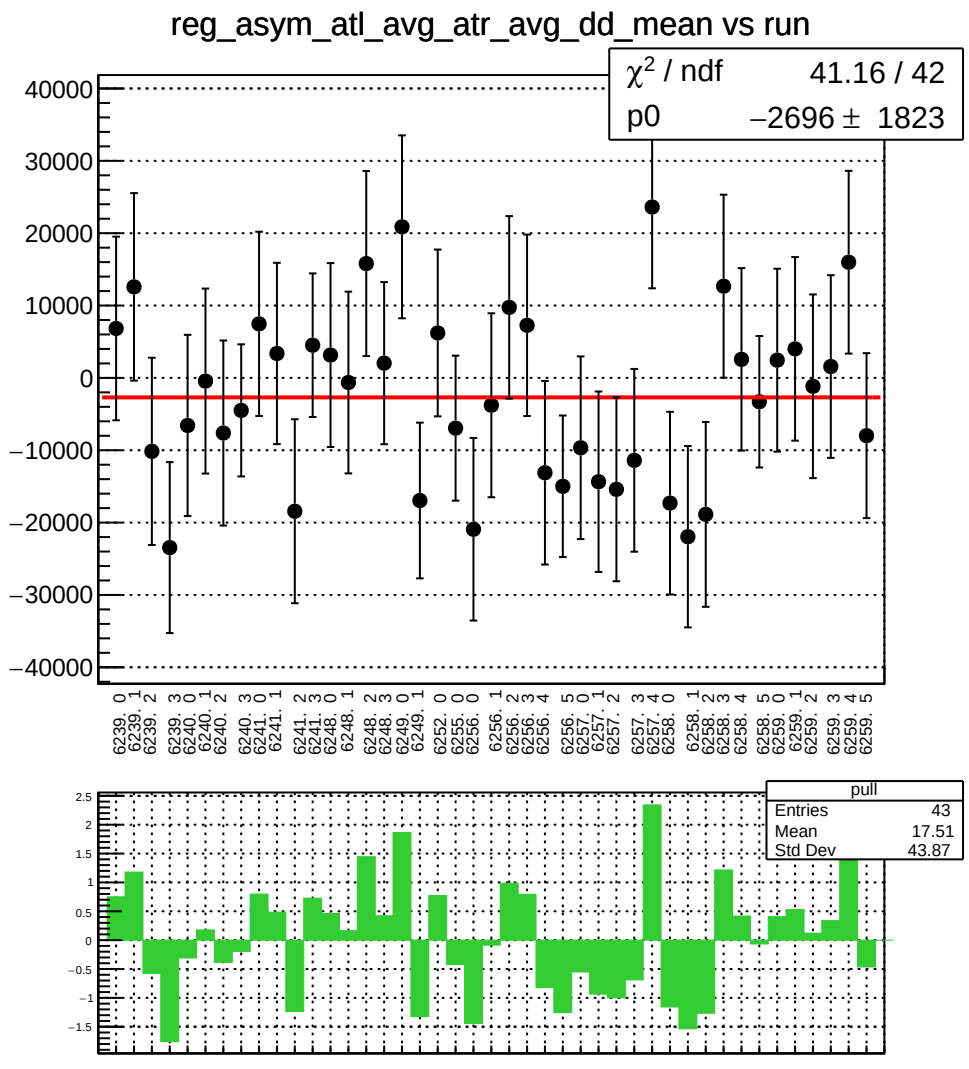

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.78 / 42
p0 0.2699 ± 0.2778
pull
Entries 43
Mean −73.96
Std Dev 0

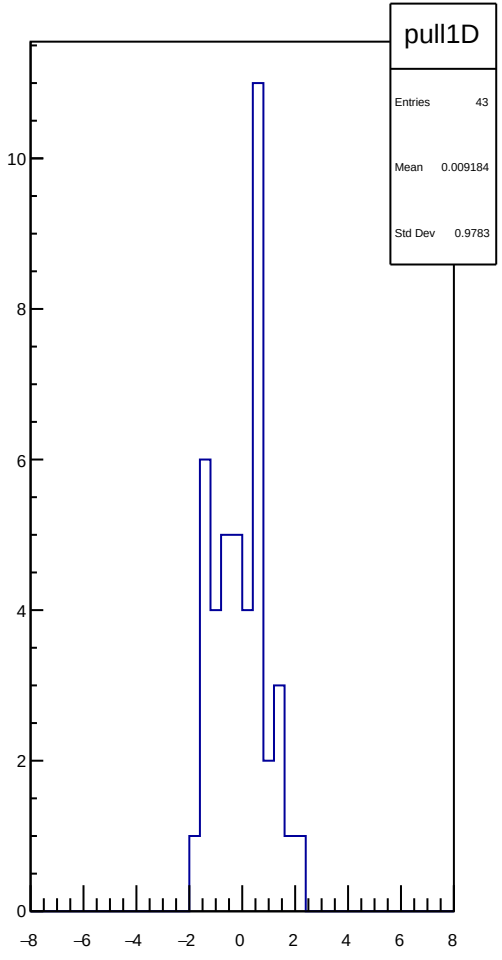

pull1D
Entries 43
Mean 0.02094
Std Dev 0.9371

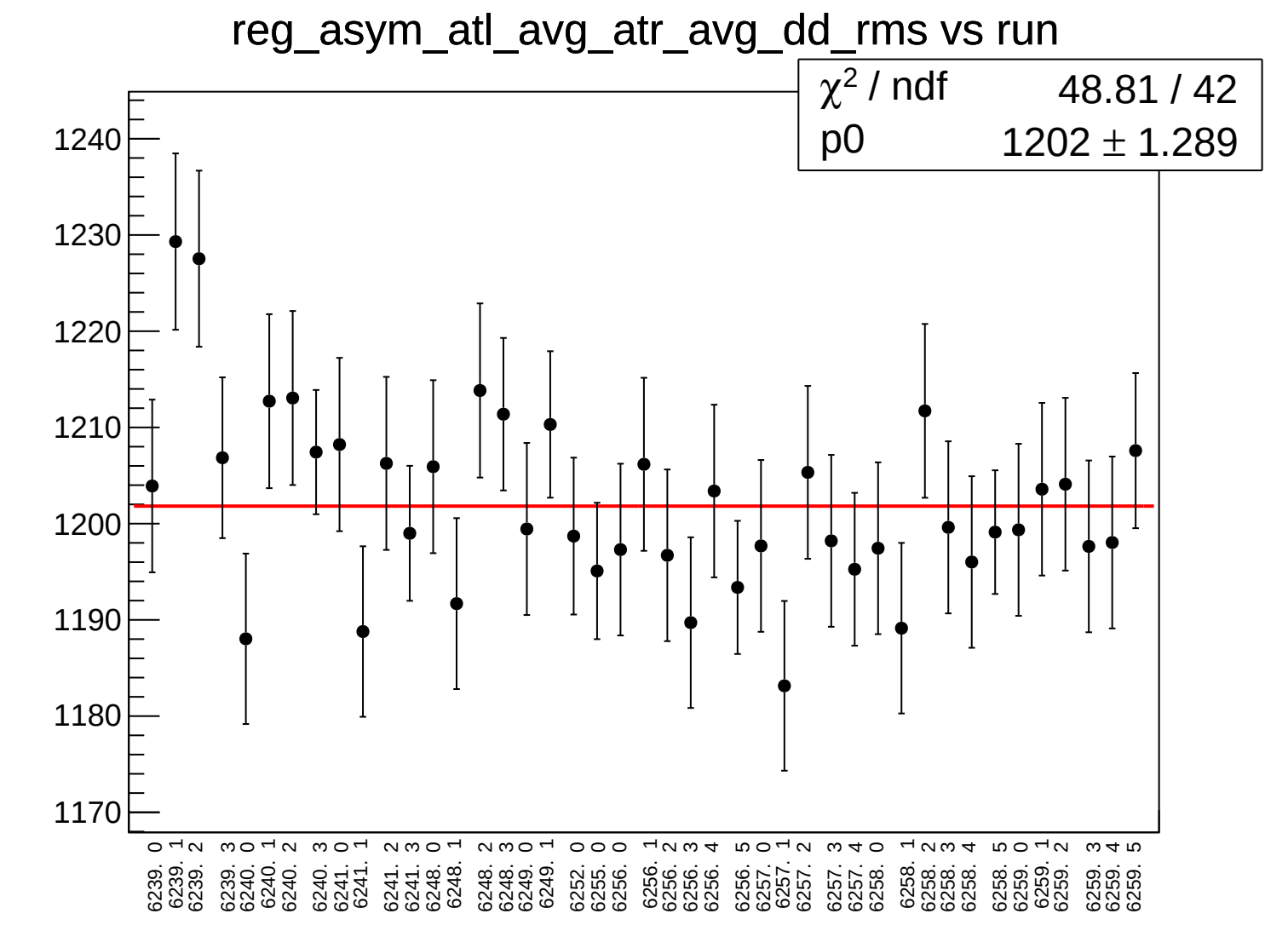

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.934e+04 / 42
p0 177.9 ± 0.1964
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

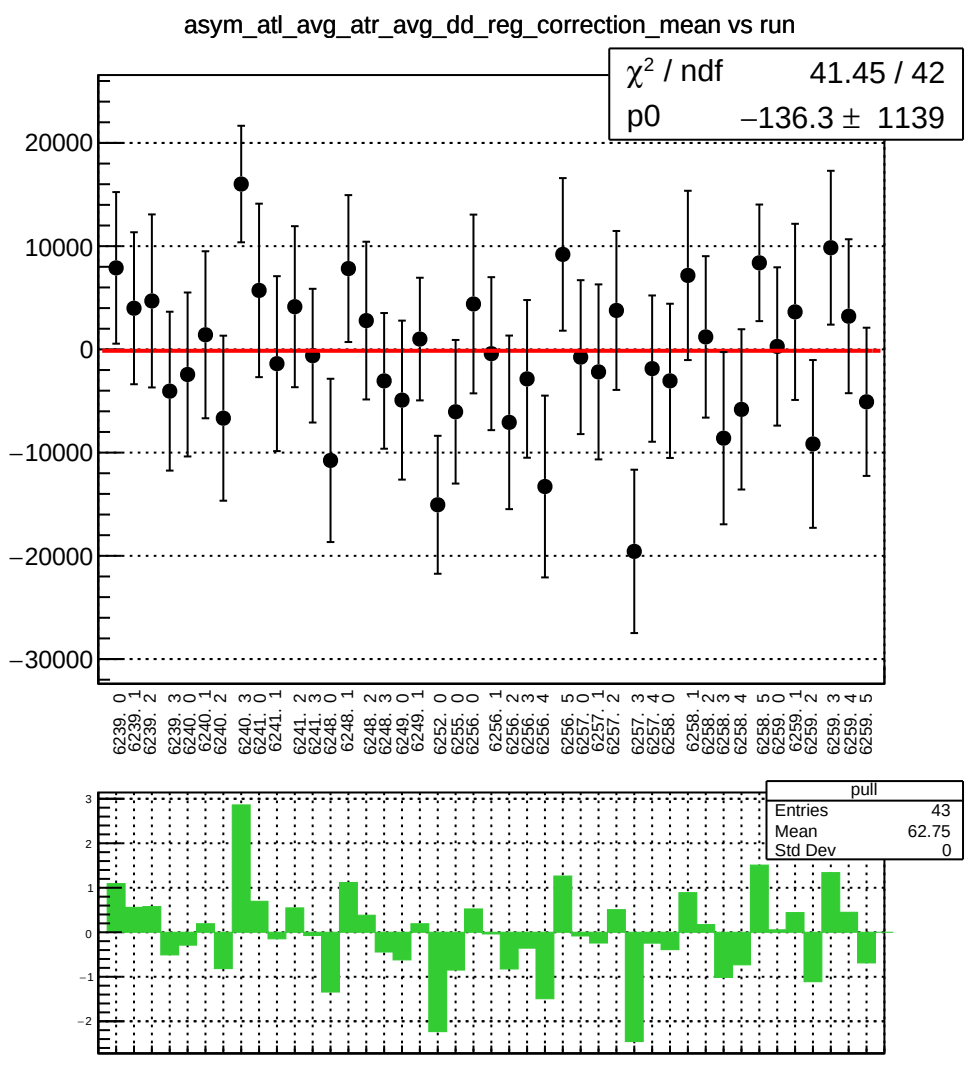

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 35.91 / 42
p0 −2.44e−13 ± 2.038e−13
10
0
−10
−20
−30
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04015
Std Dev 0.913
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

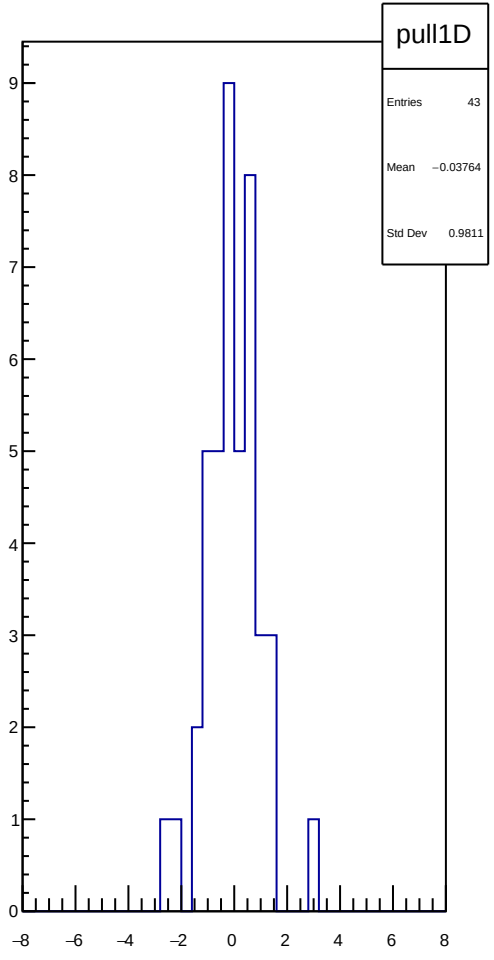

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.996e+05 / 42
p0 1.088e−10 ± 1.441e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

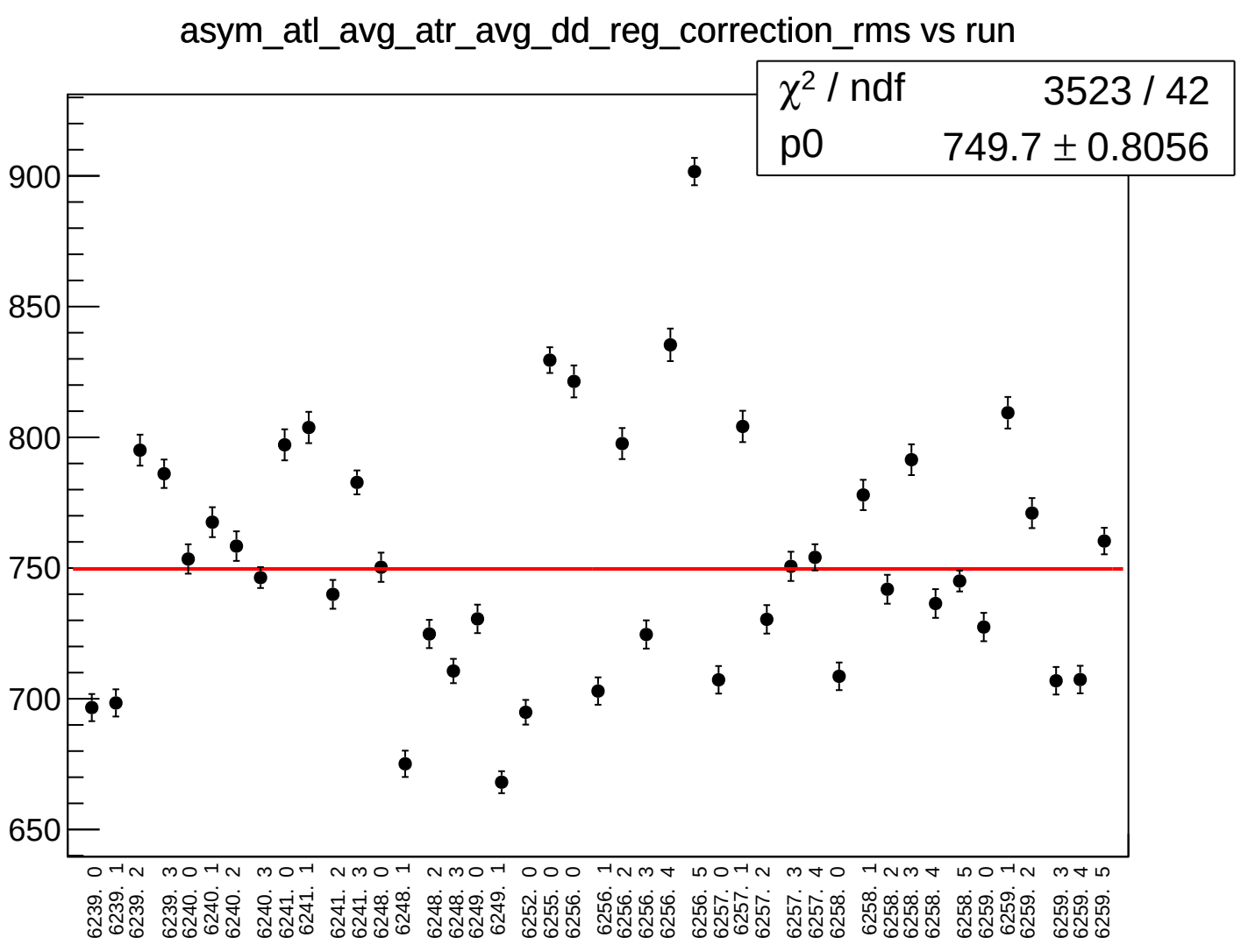

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.16 / 42
p0 −2696 ± 1823
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.51
Std Dev 43.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

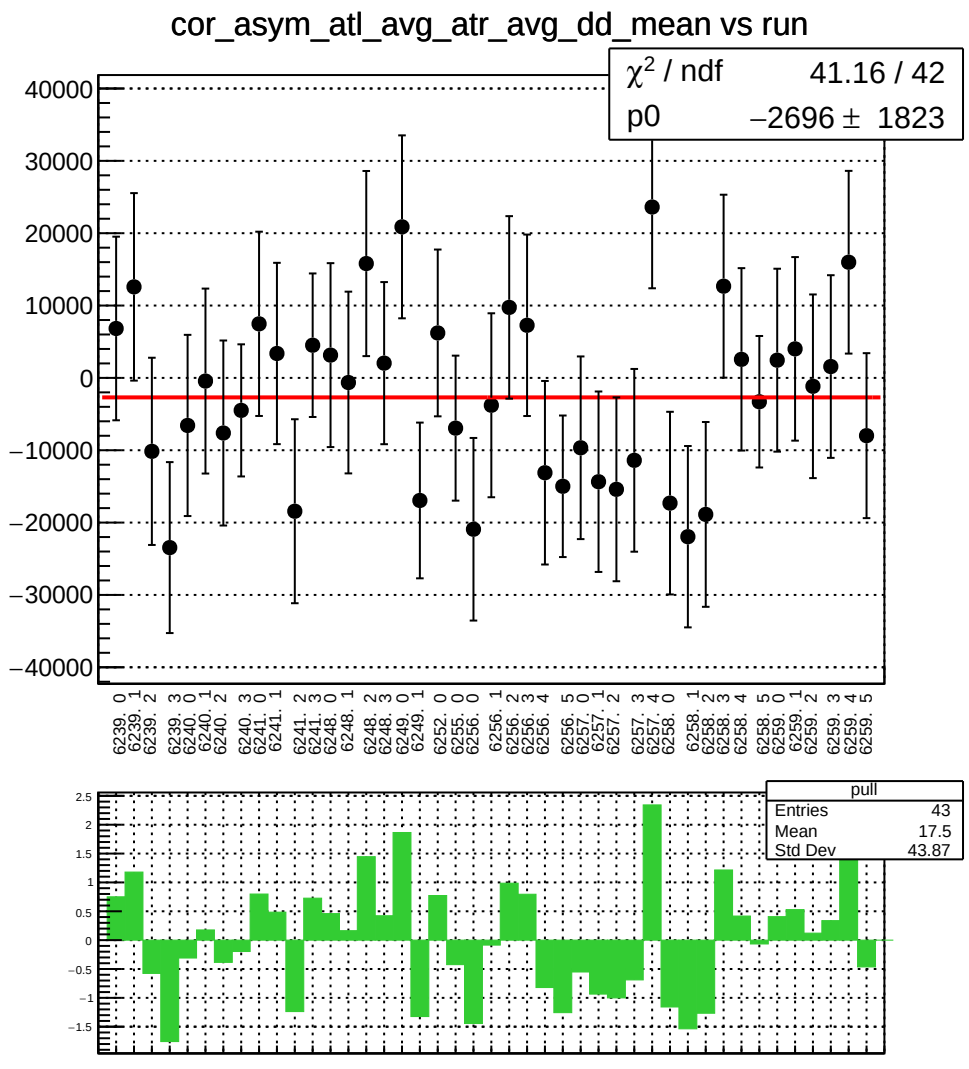

pull1D
Entries 43
Mean 0.009184
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

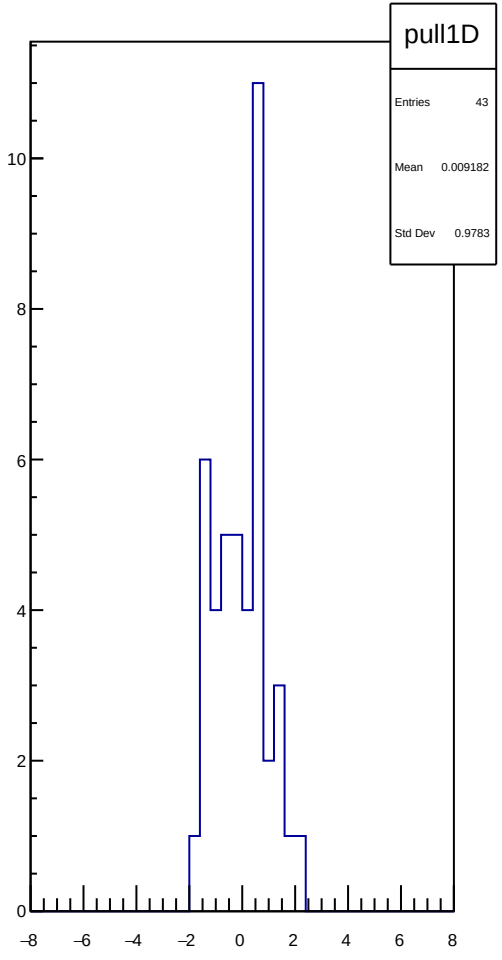

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 48.81 / 42
p0 1202 ± 1.289
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

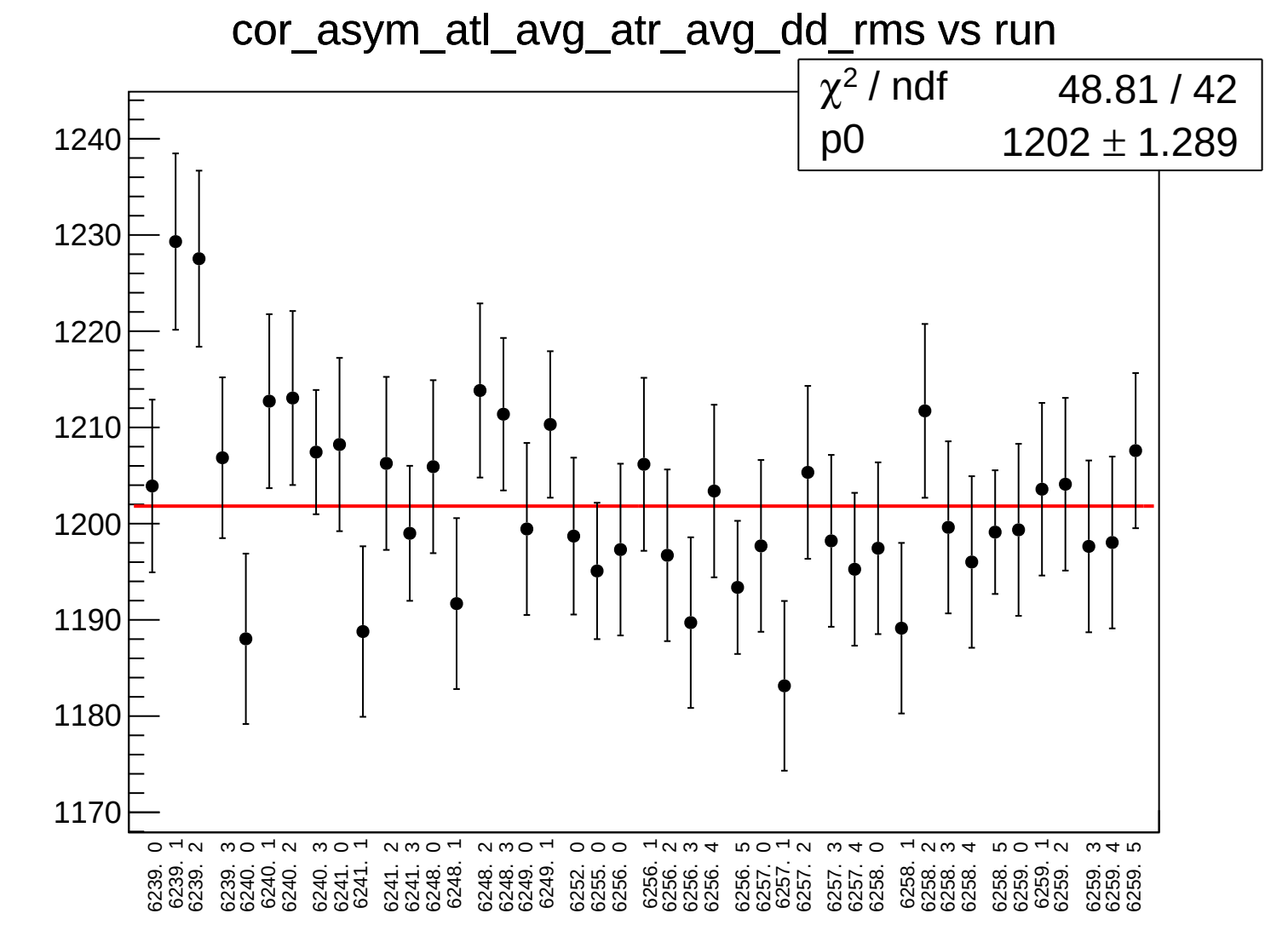

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 41.45 / 42
p0 −136.3 ± 1139
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.75
Std Dev 0
3
2
1
0
−1
−2

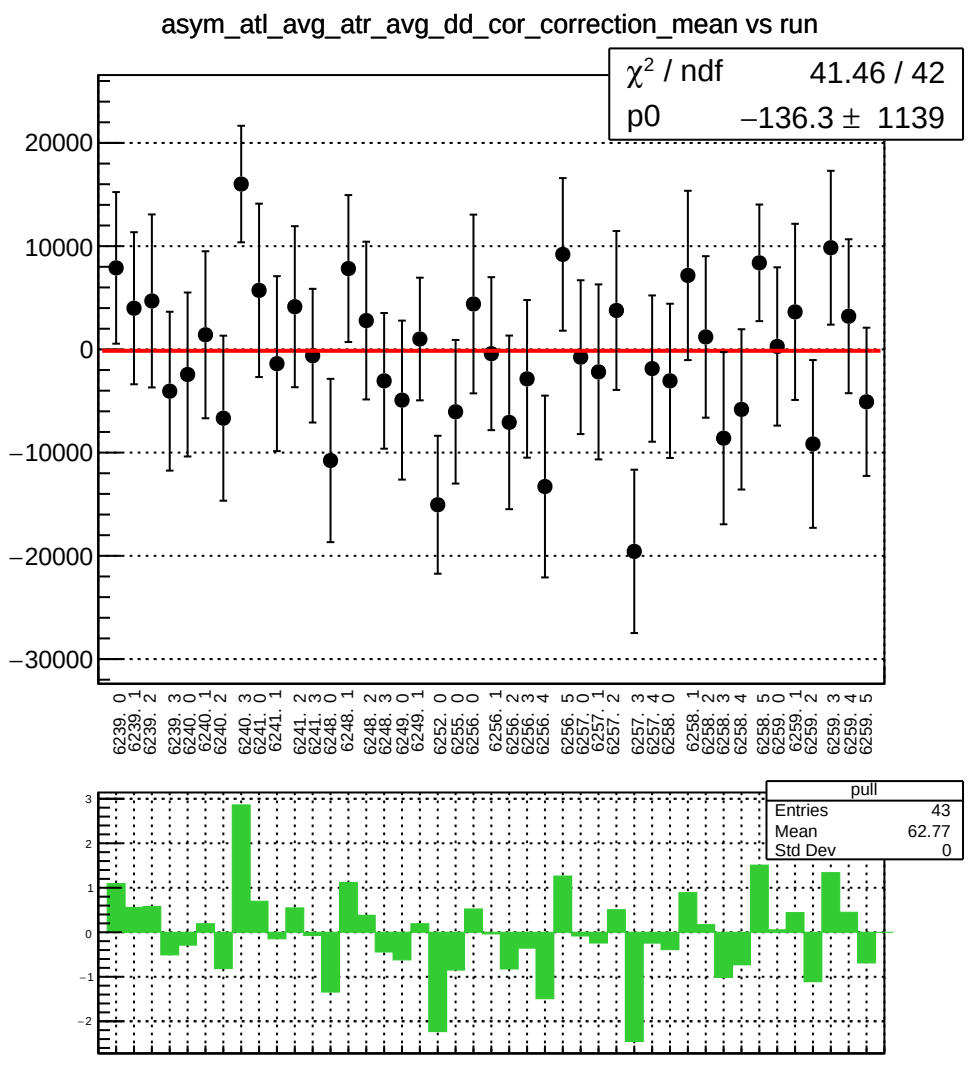

pull1D
Entries 43
Mean −0.03764
Std Dev 0.9811
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

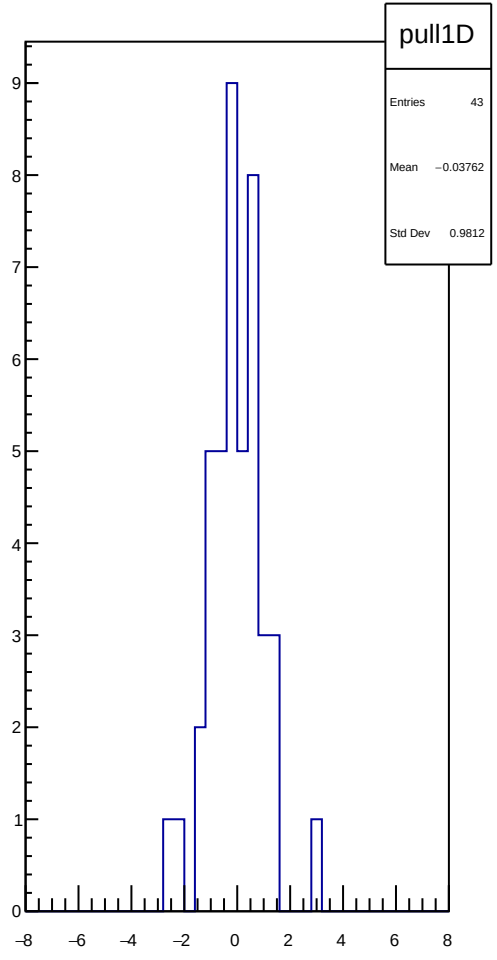

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 3523 / 42
p0 749.7 ± 0.8056
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

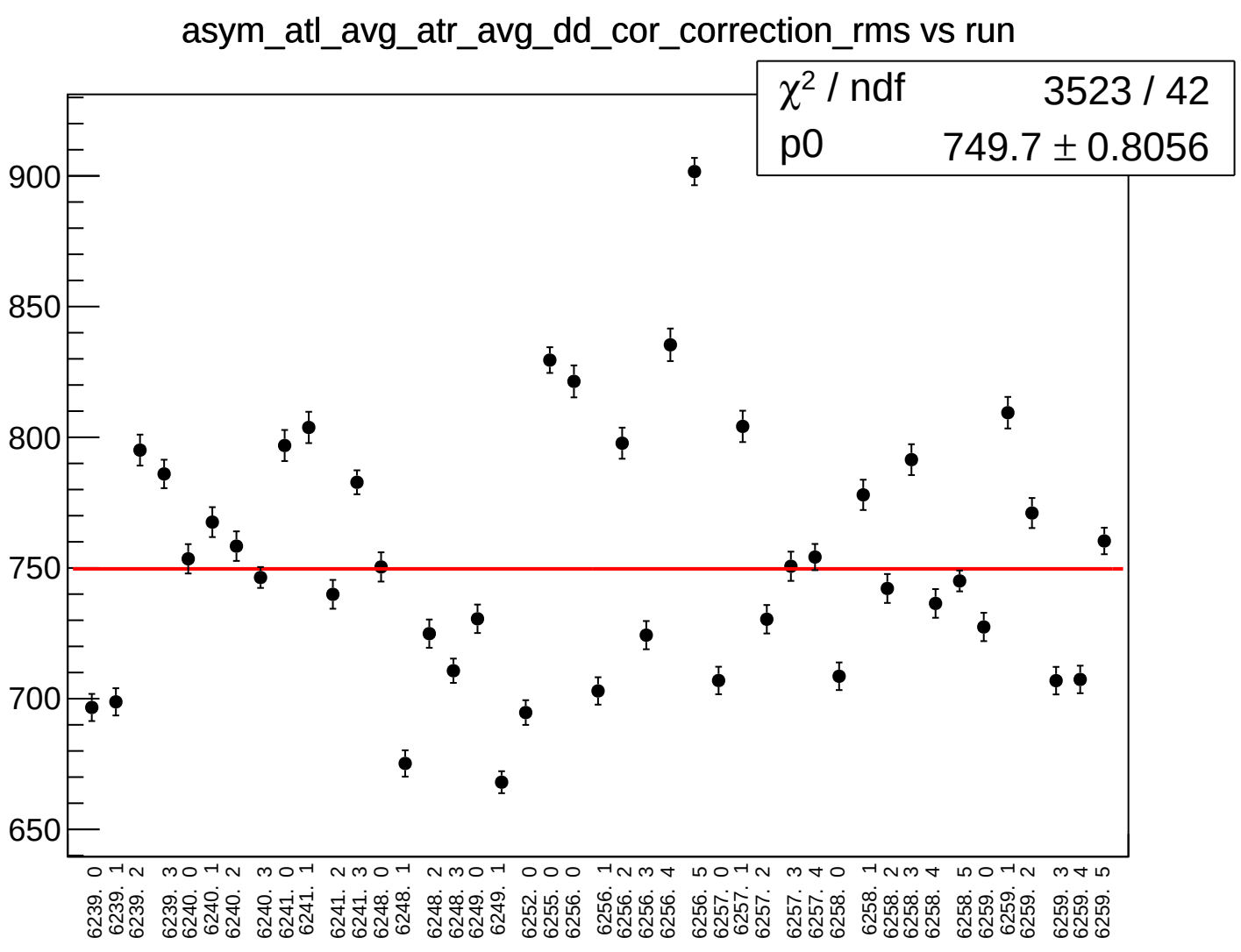

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.16 / 42
p0 −2696 ± 1823
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.5
Std Dev 43.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

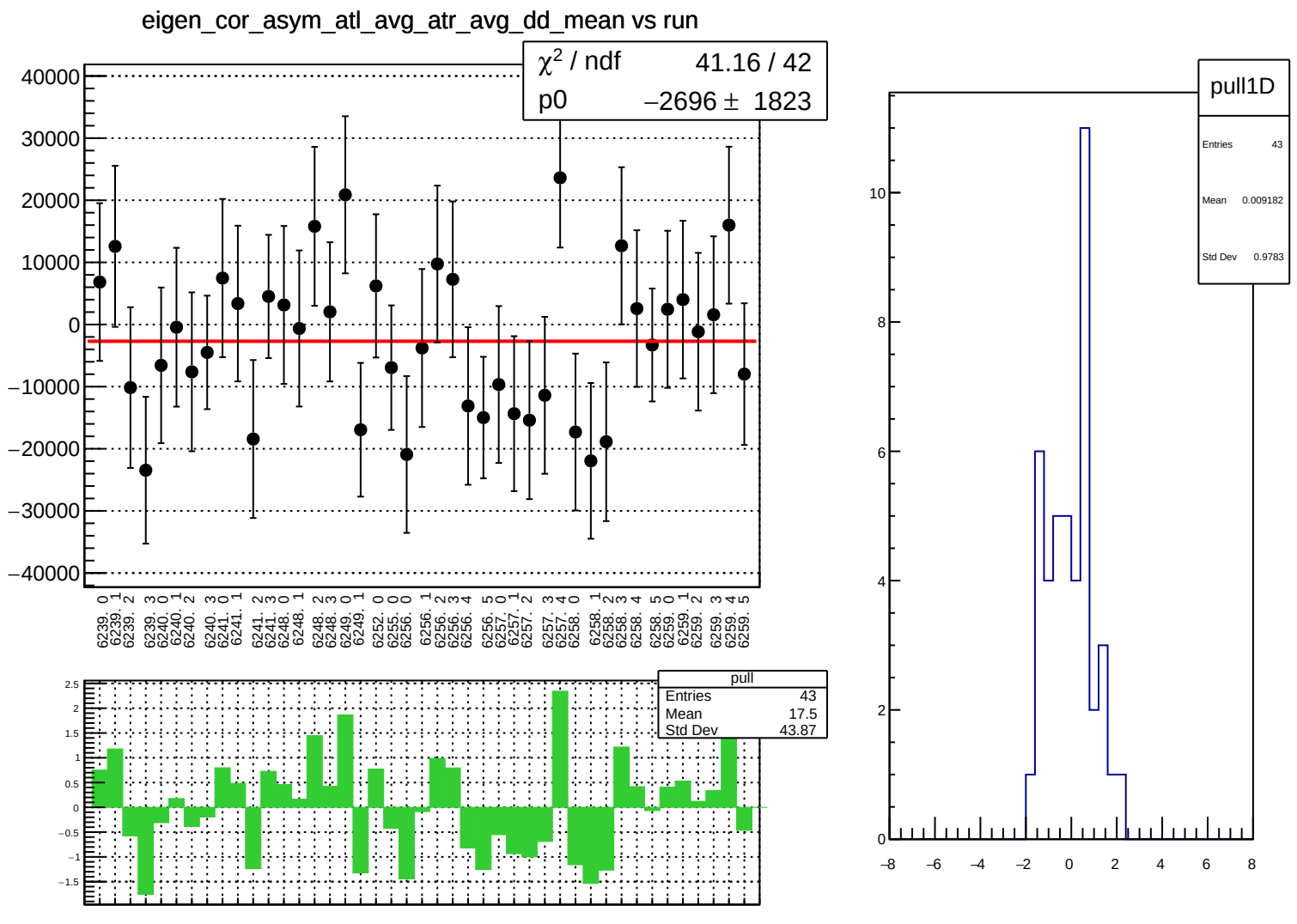

pull1D
Entries 43
Mean 0.009182
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

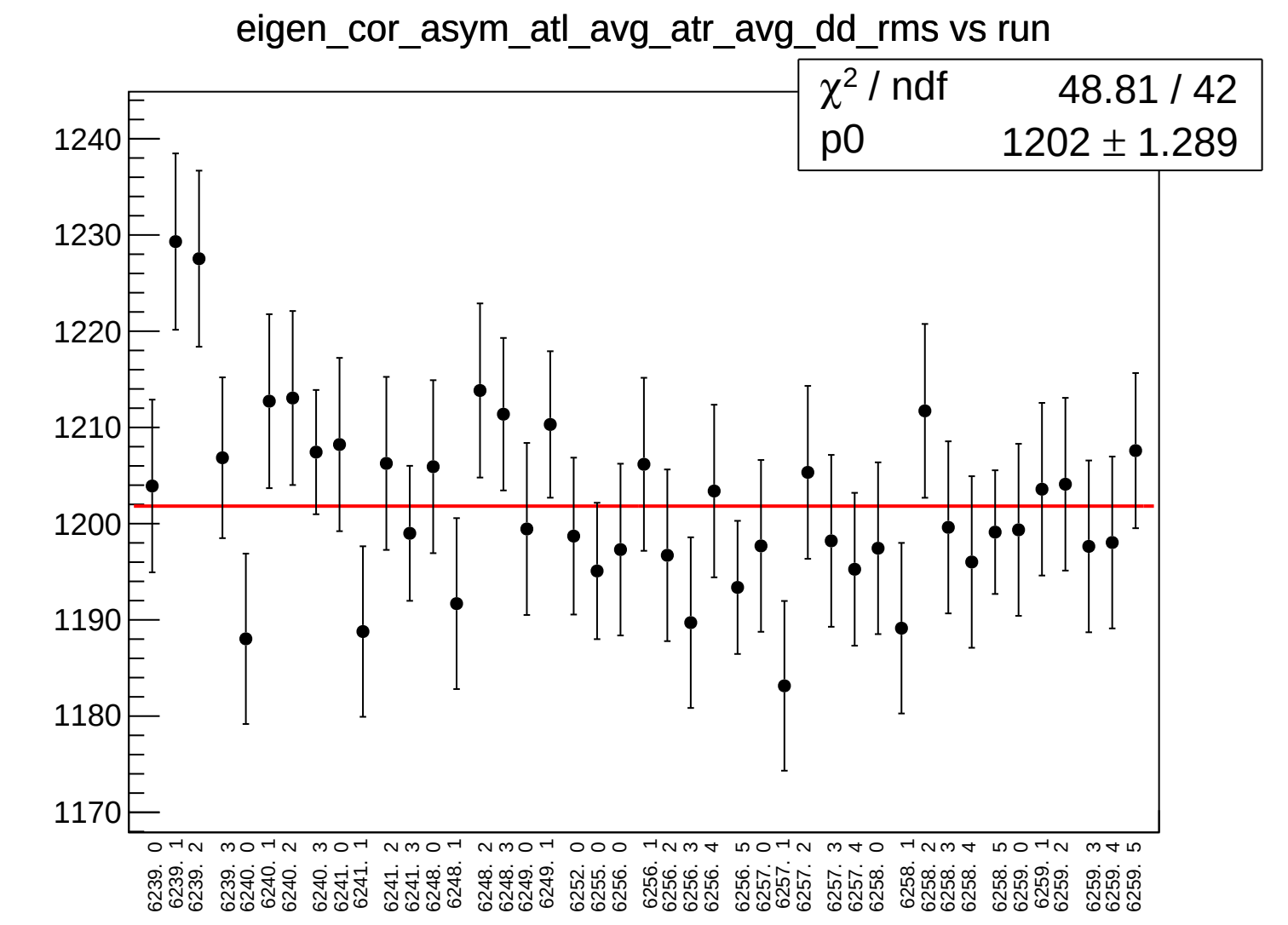

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 48.81 / 42
p0 1202 ± 1.289
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 41.46 / 42
p0 −136.3 ± 1139
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.77
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03762
Std Dev 0.9812
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 3523 / 42
p0 749.7 ± 0.8056
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.16 / 42
p0 −2696 ± 1823
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.5
Std Dev 43.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009182
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 48.81 / 42
p0 1202 ± 1.289
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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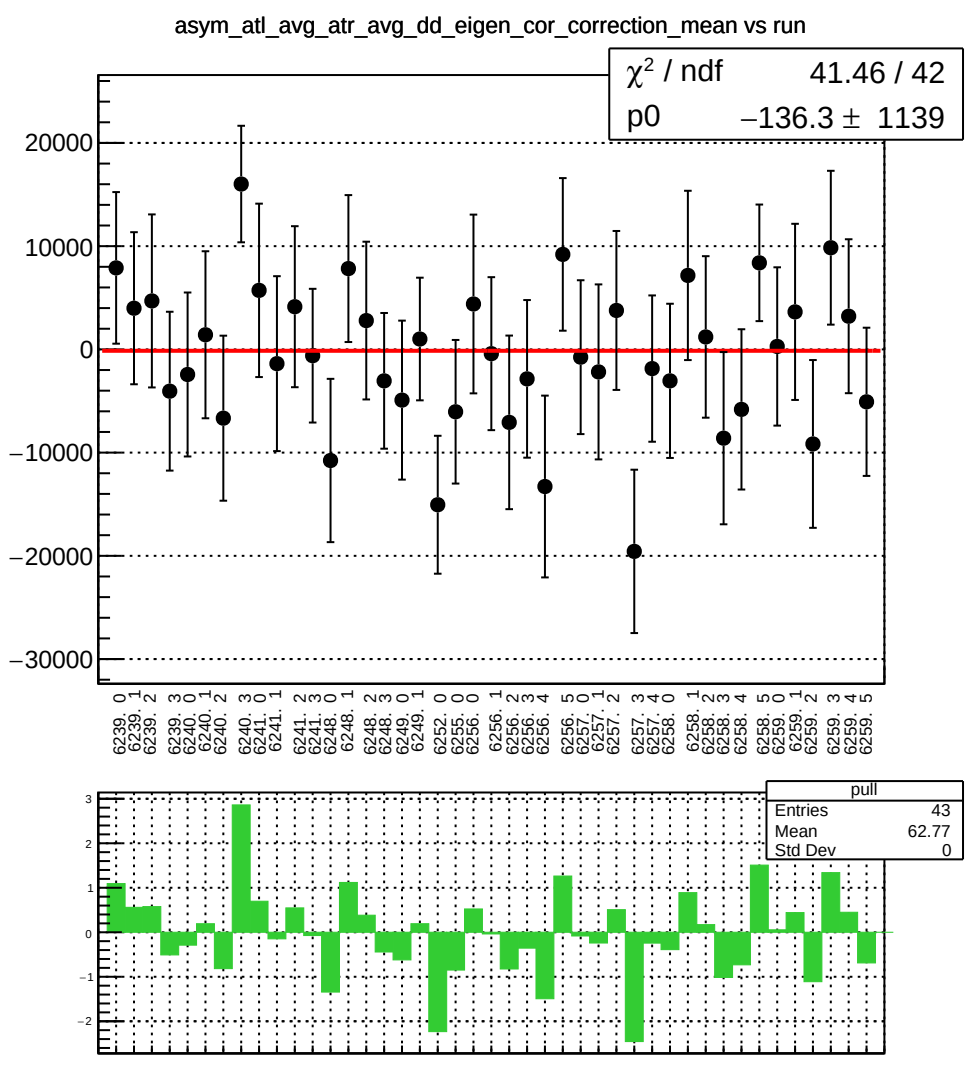
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.46 / 42
p0 −136.3 ± 1139
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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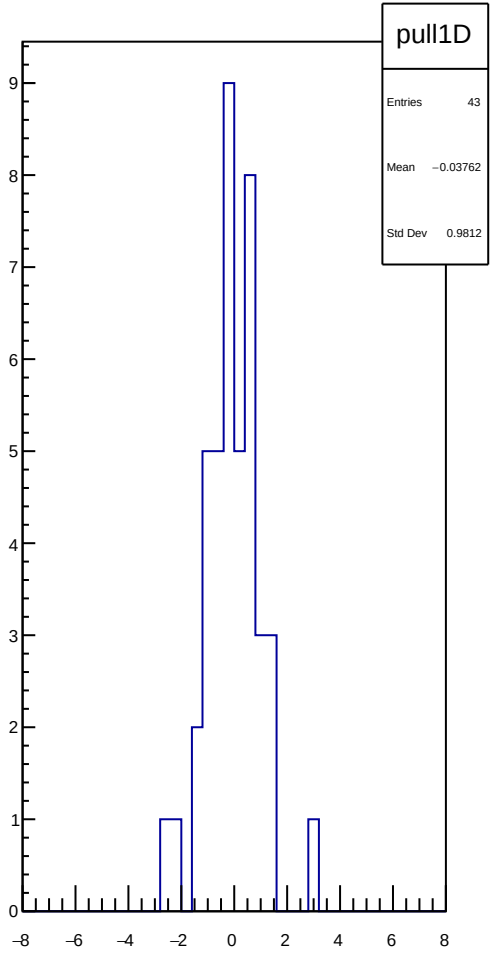
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.77
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03762
Std Dev 0.9812
9
8
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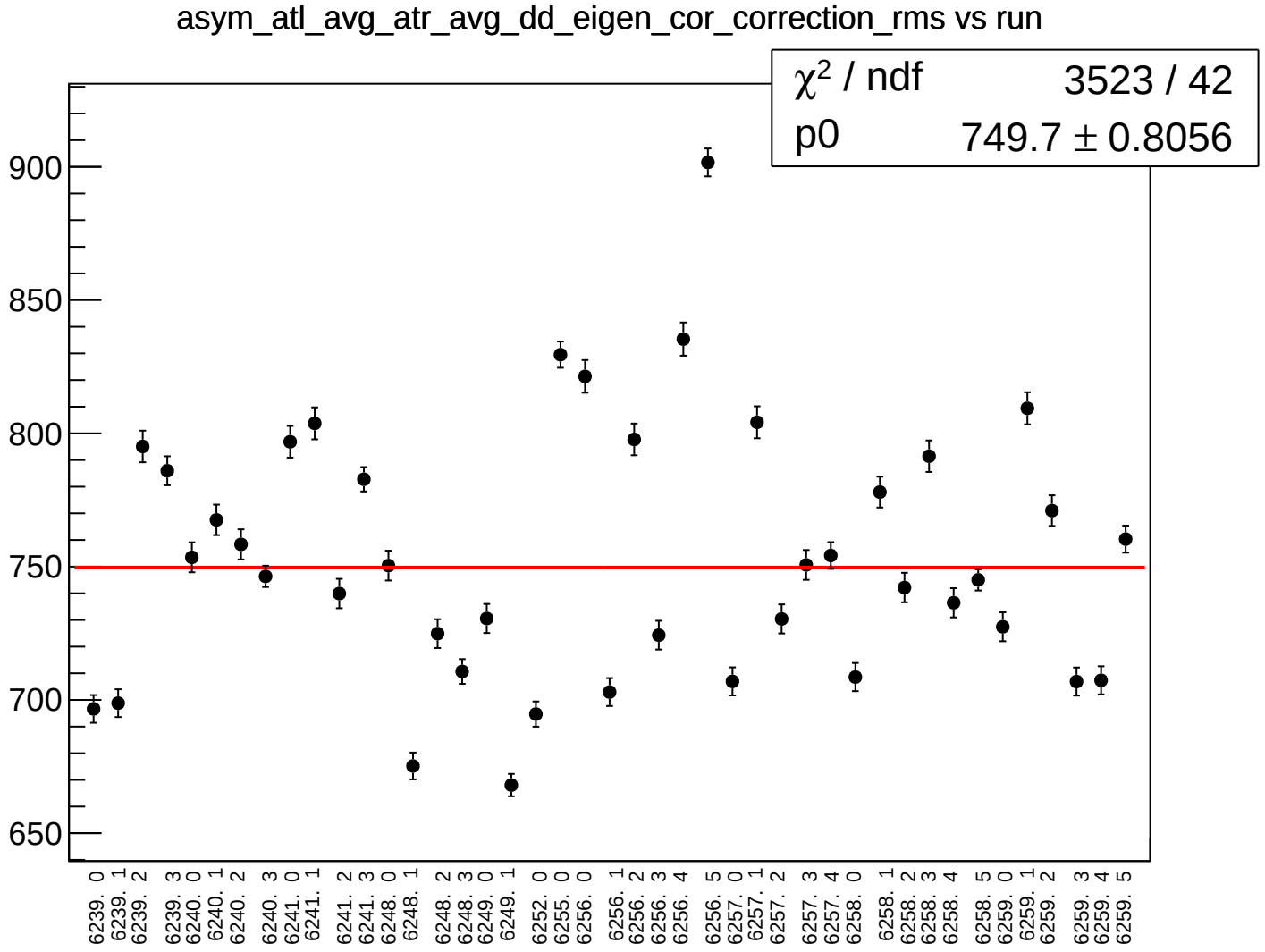
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3523 / 42
p0 749.7 ± 0.8056
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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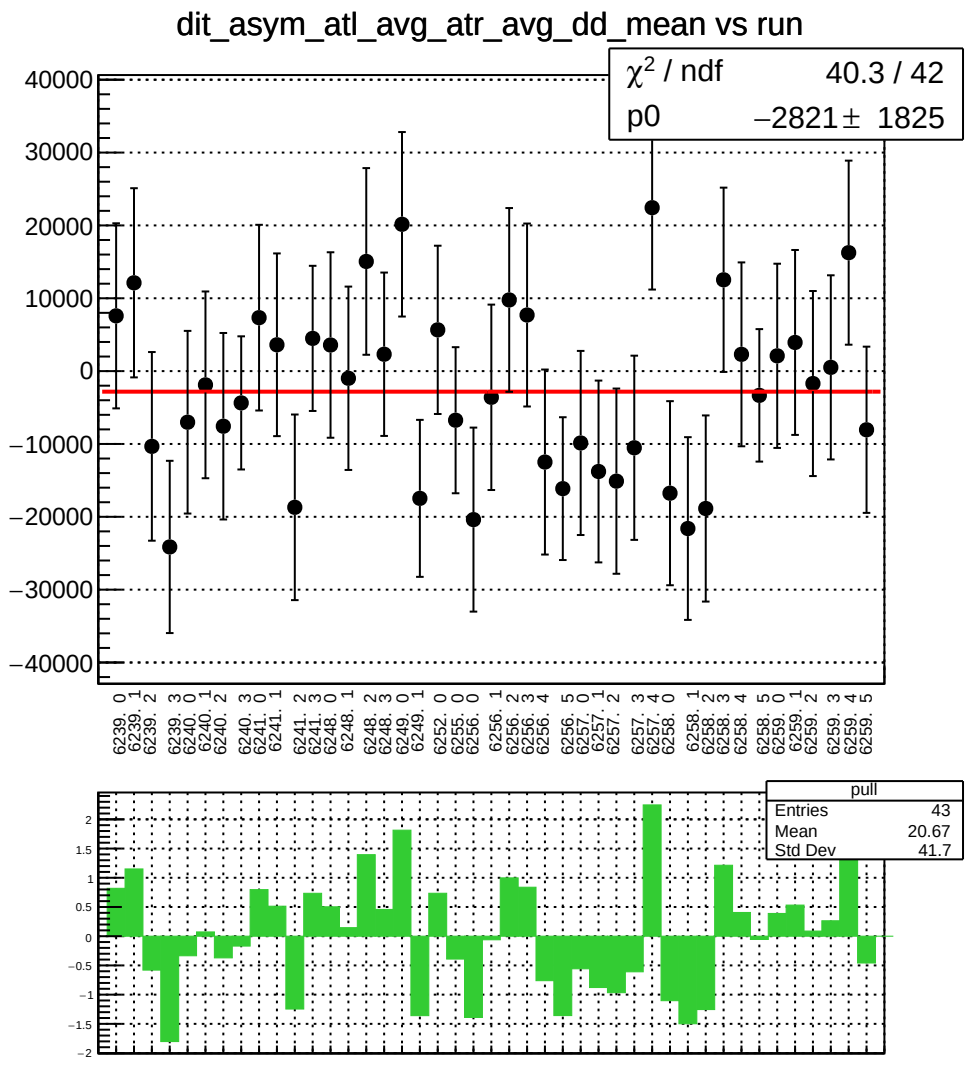
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.3 / 42
p0 −2821 ± 1825
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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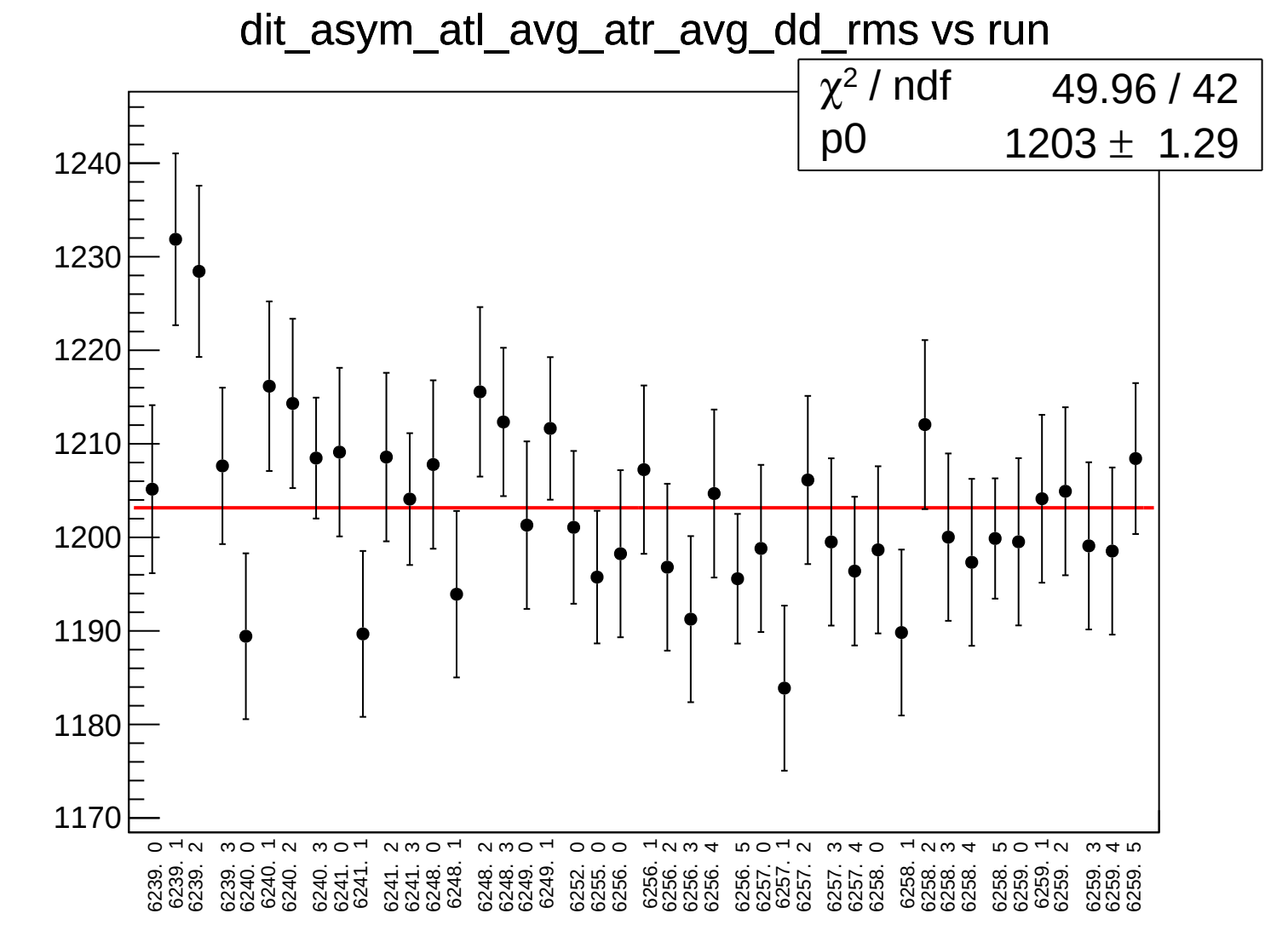
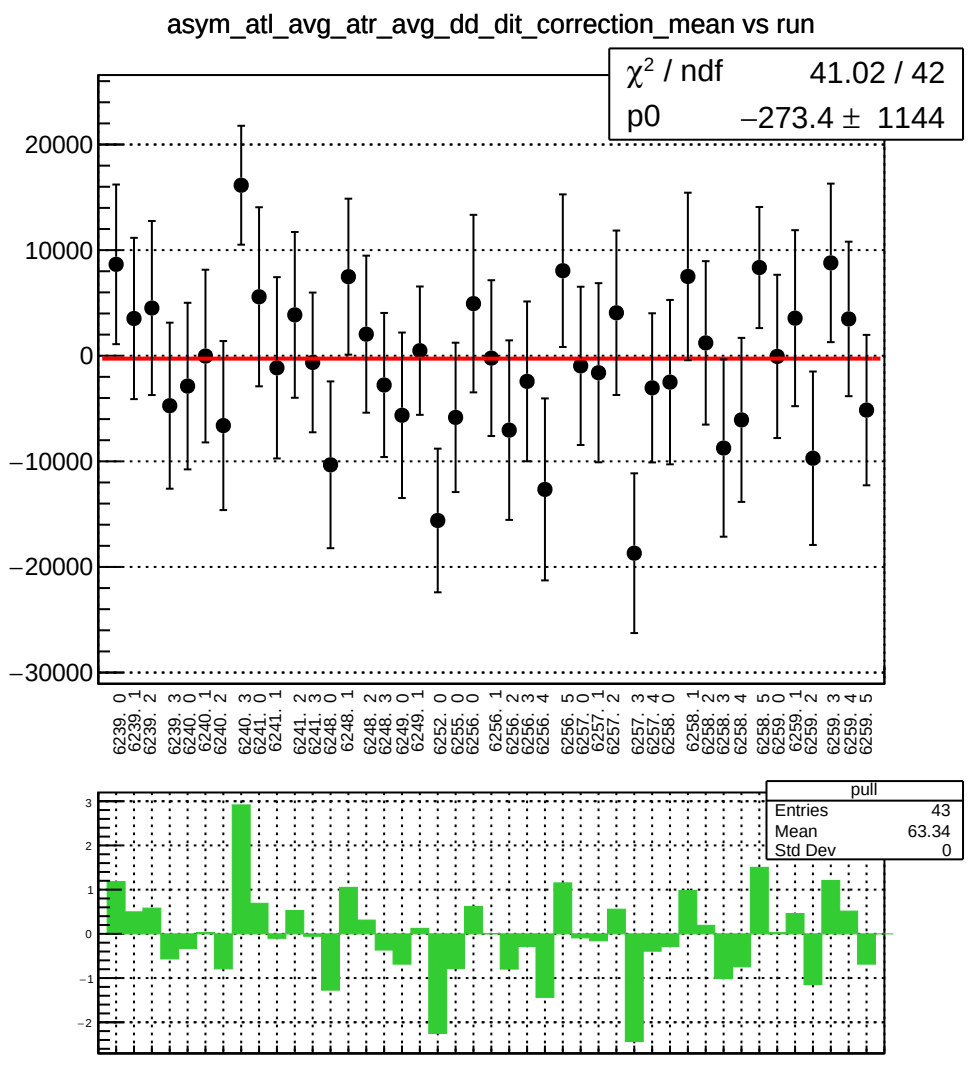
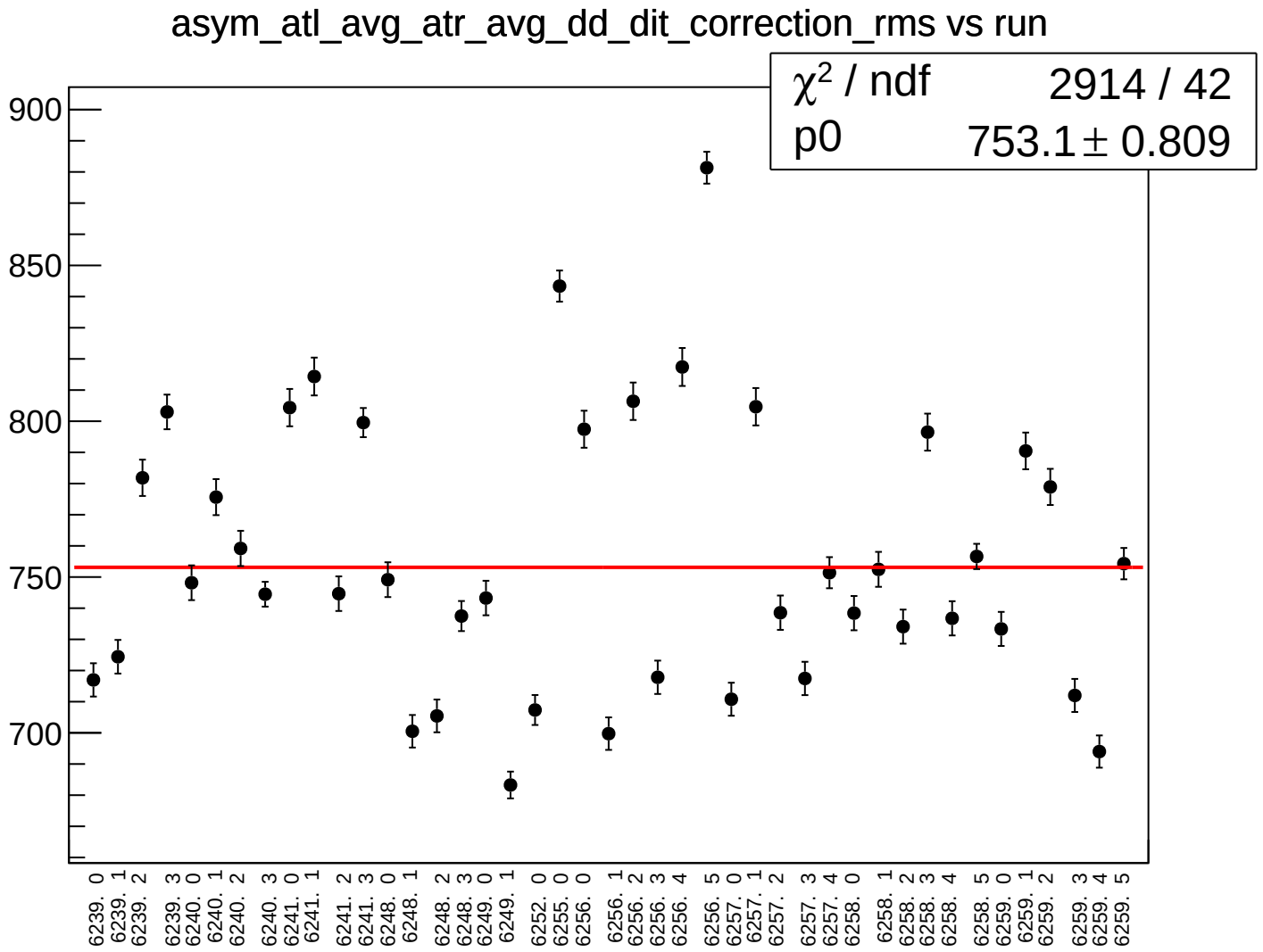
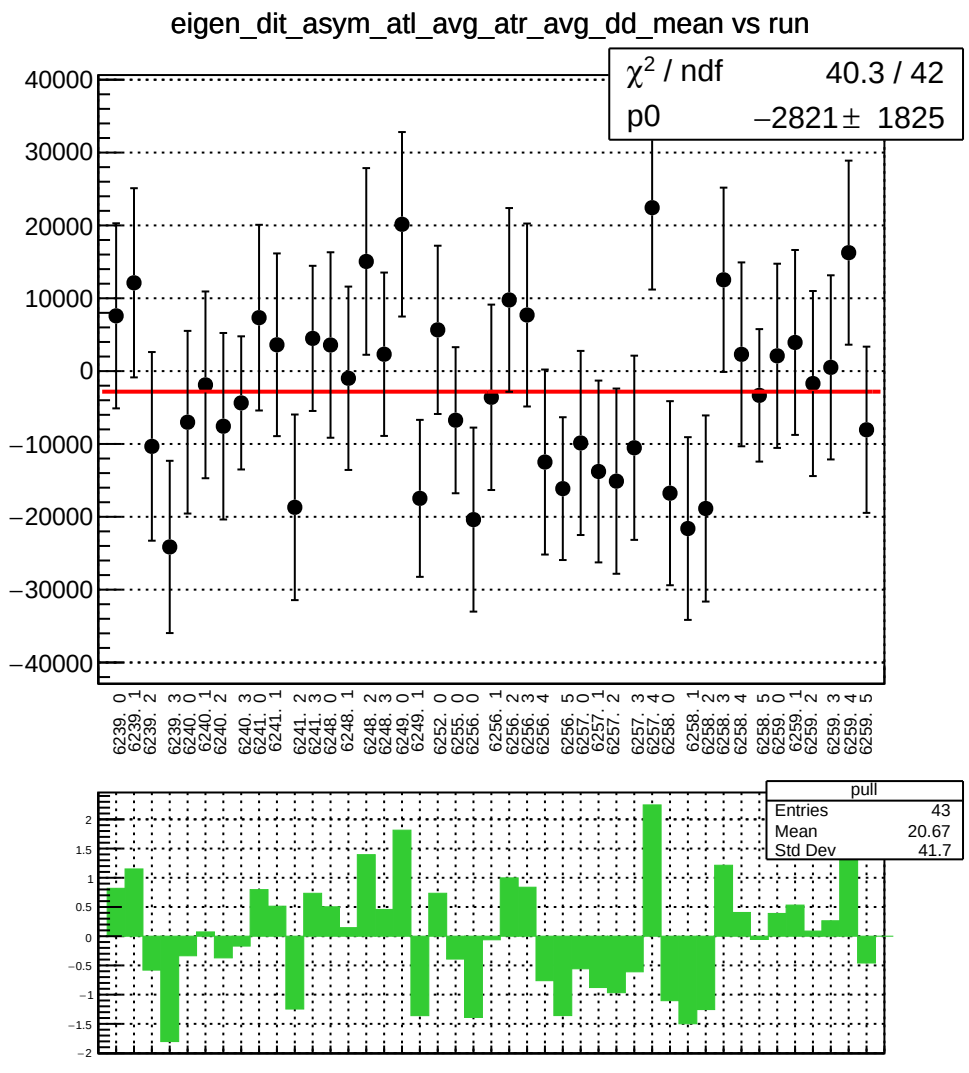
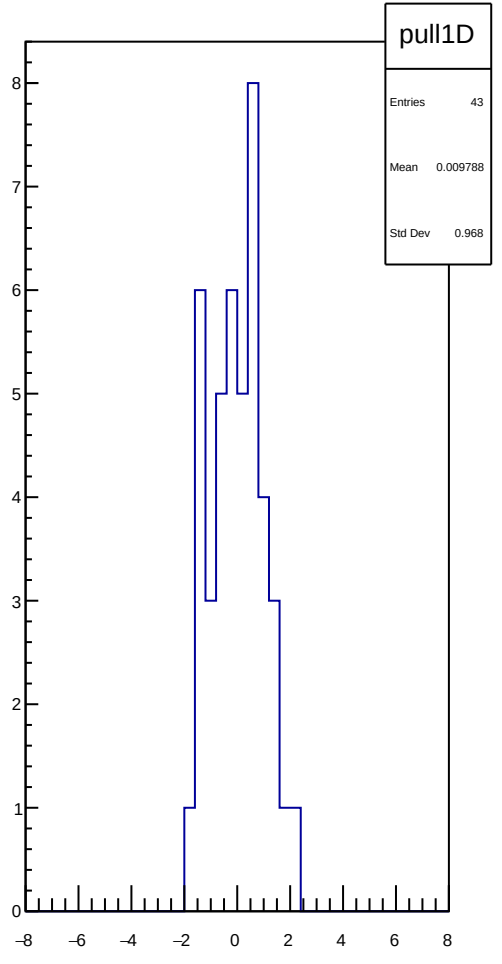
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.67
Std Dev 41.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009788
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

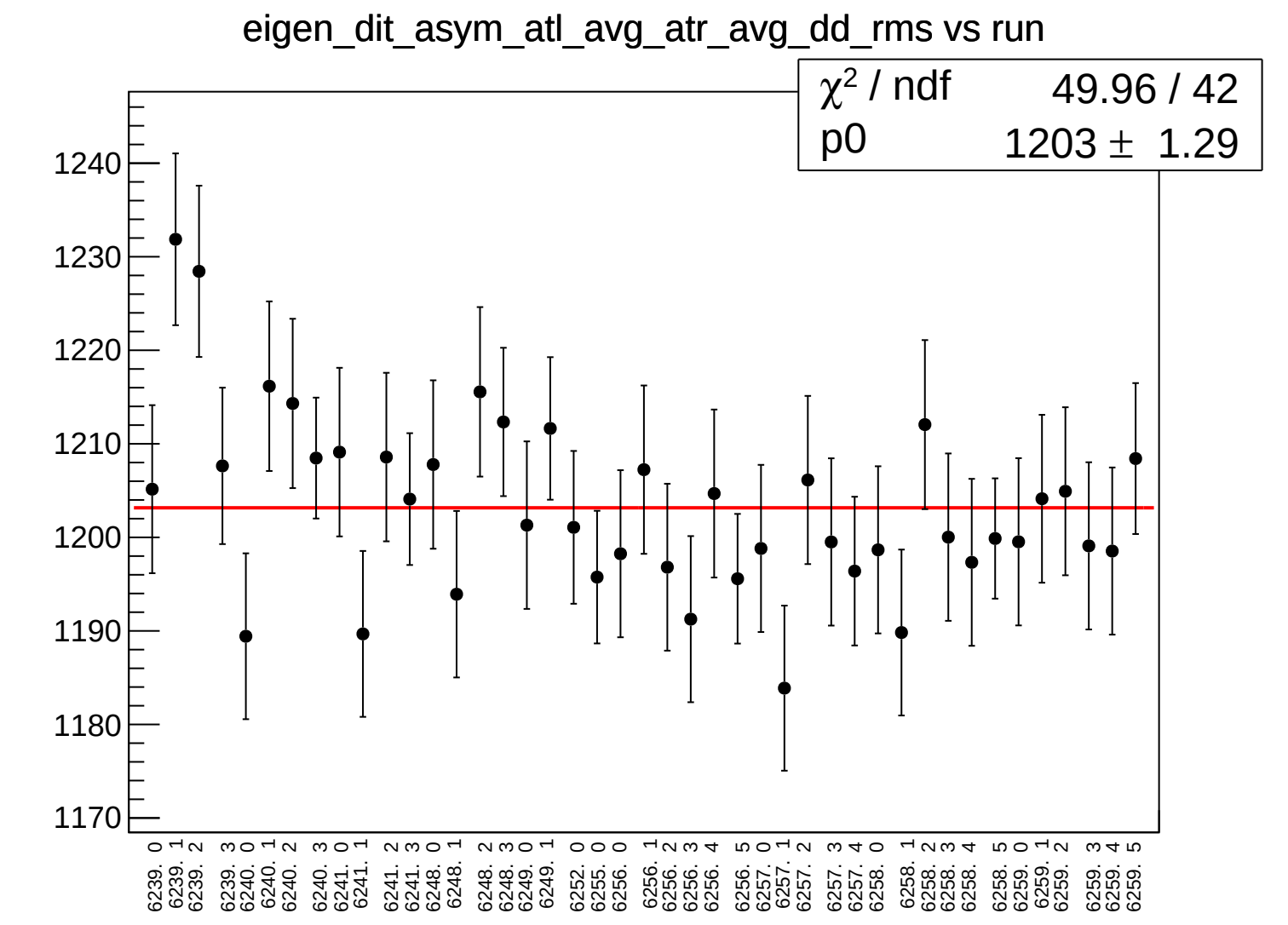

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 49.96 / 42
p0 1203 ± 1.29
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

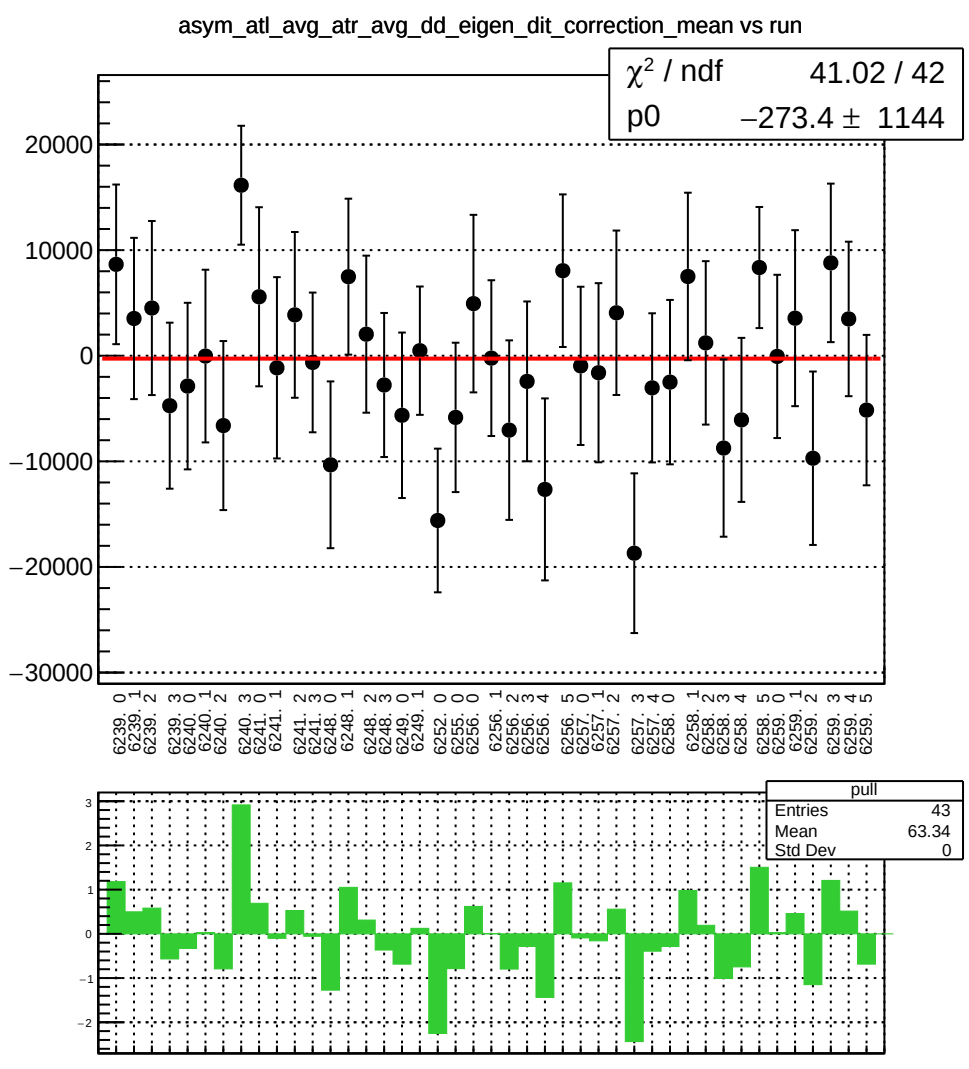

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 41.02 / 42
p0 −273.4 ± 1144
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.34
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03594
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

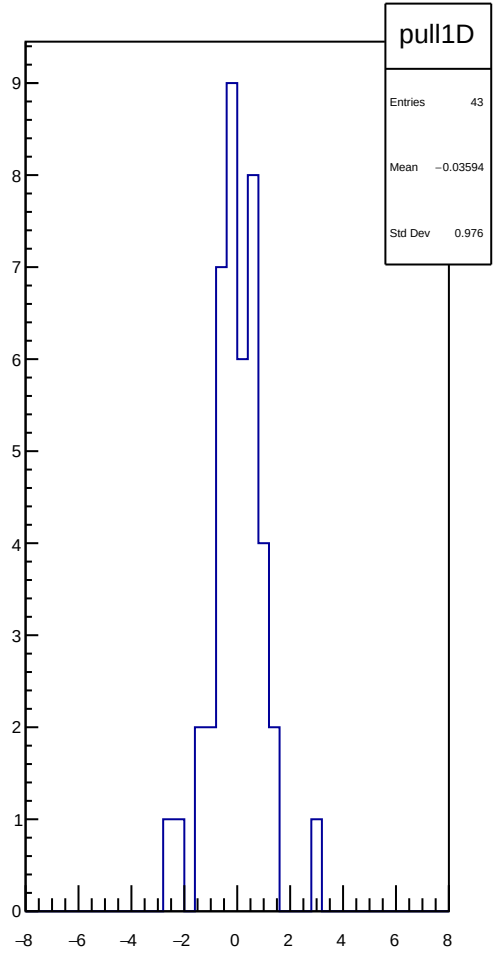

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 2914 / 42
p0 753.1 ± 0.809
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

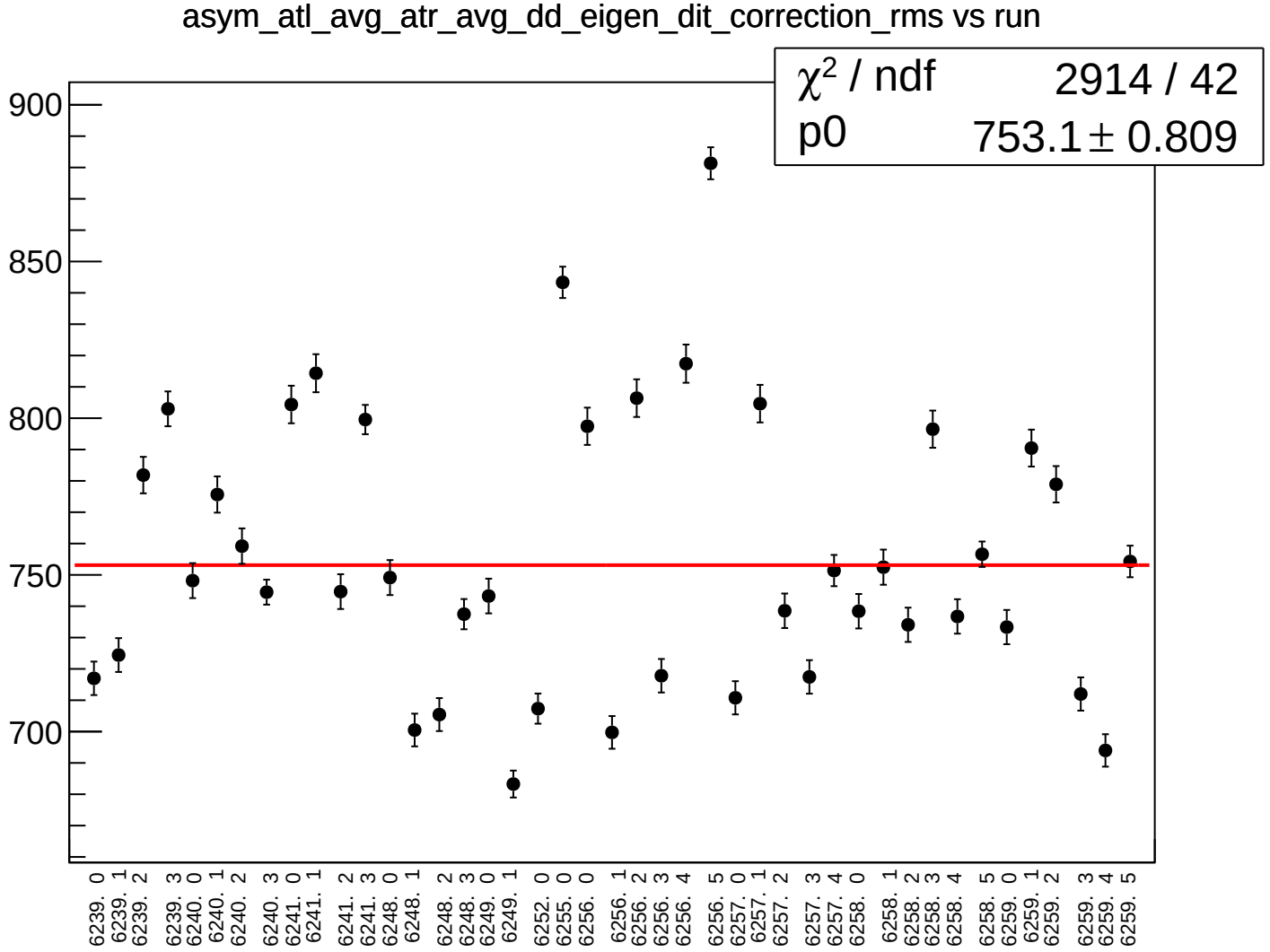

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.3 / 42
p0 −2821 ± 1825
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.67
Std Dev 41.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

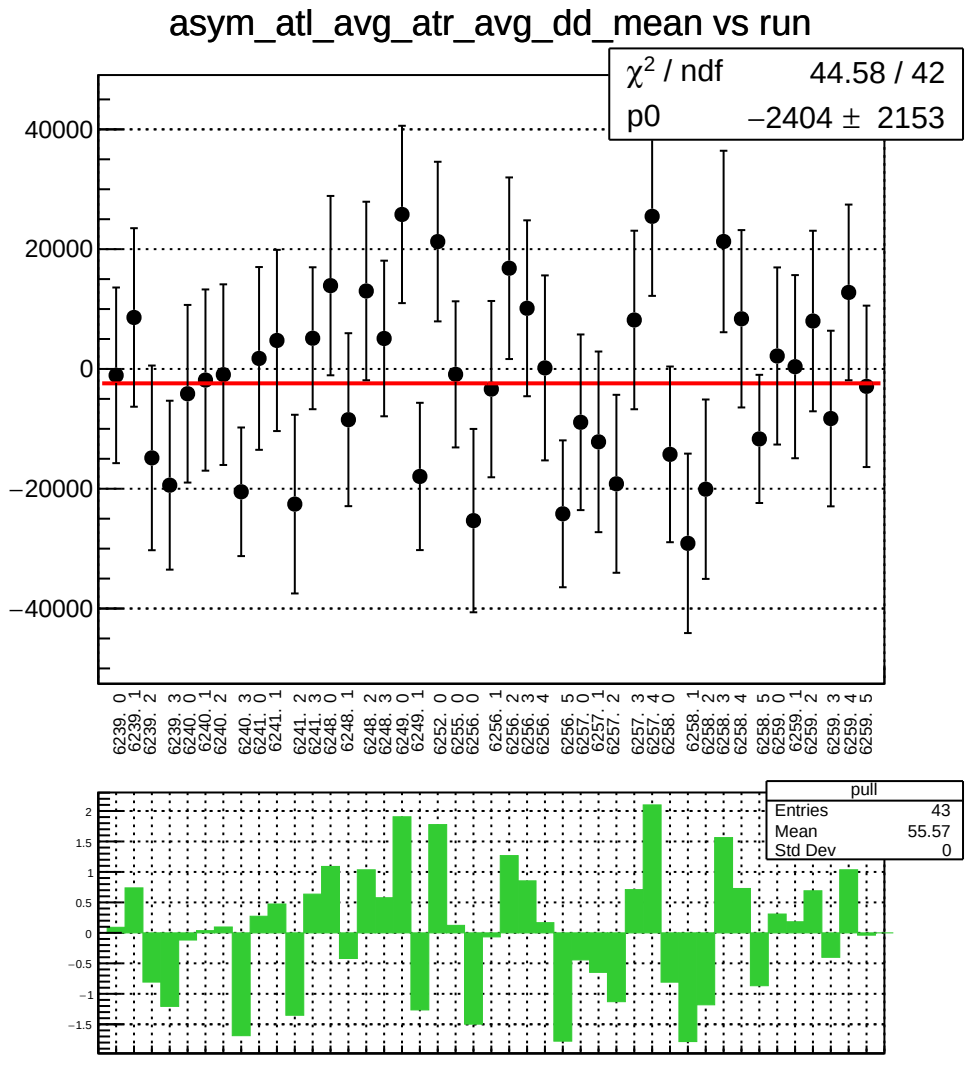

pull1D
Entries 43
Mean 0.009788
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

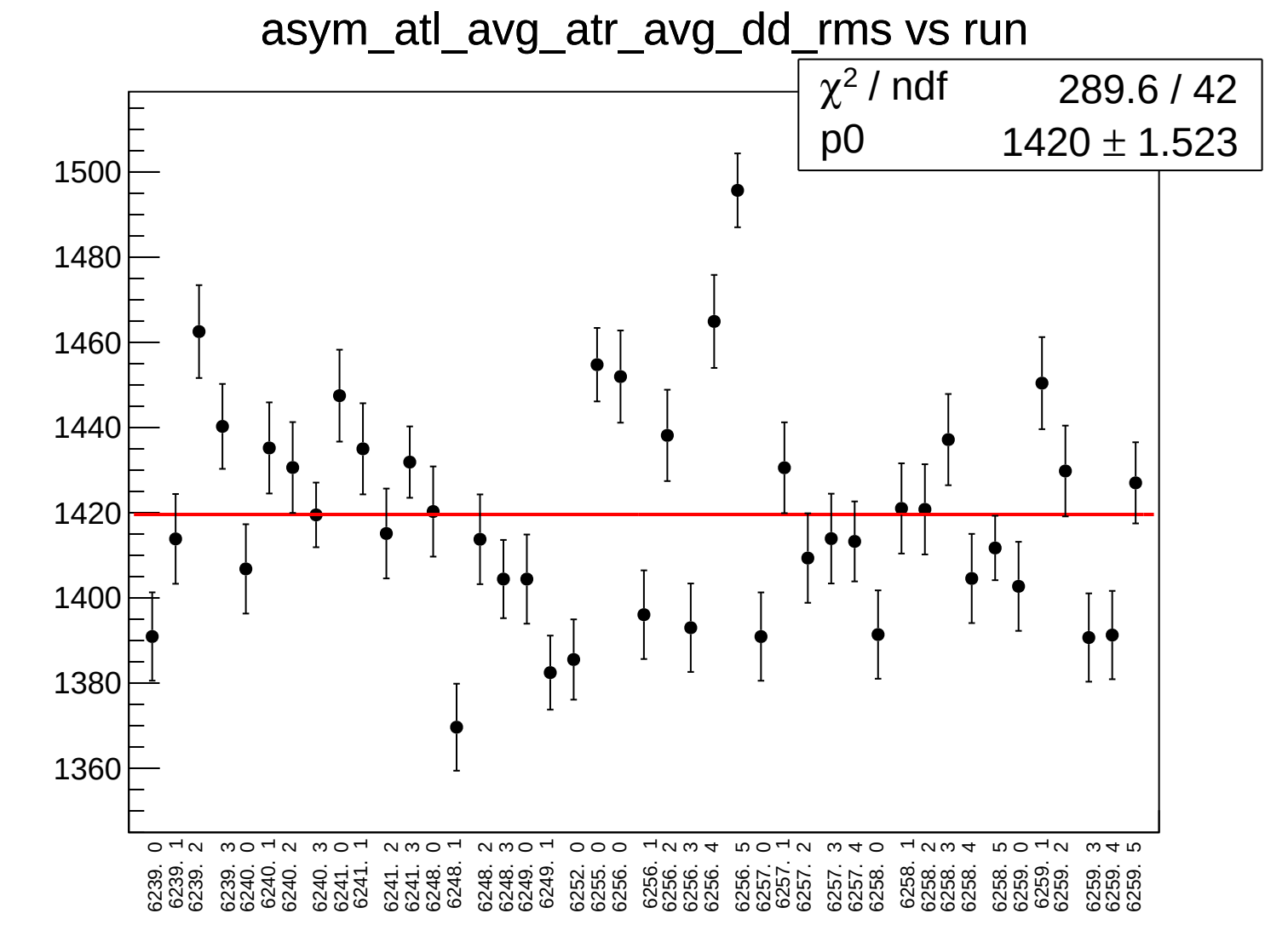

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 49.96 / 42
p0 1203 ± 1.29
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

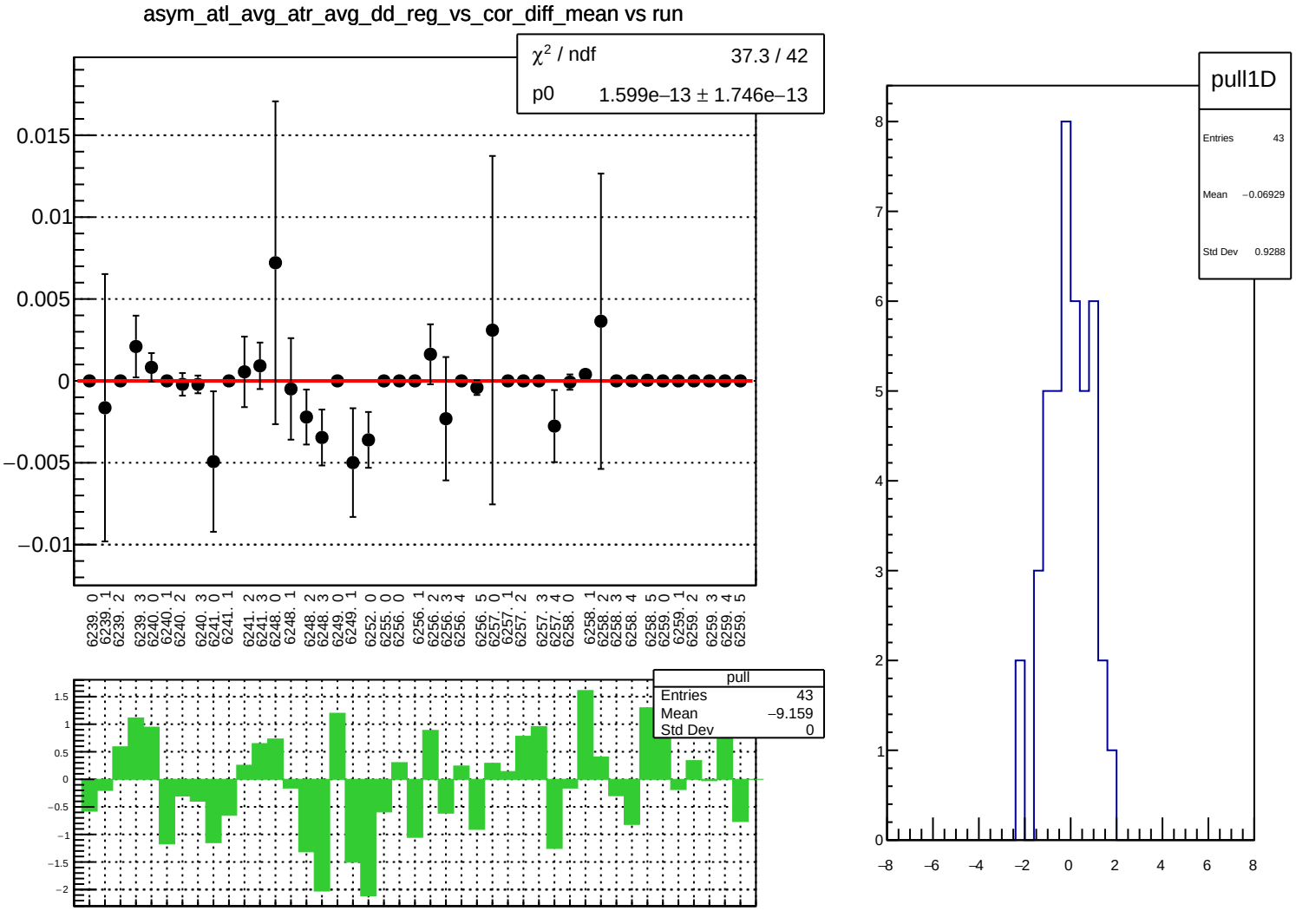

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.02 / 42
p0 −273.4 ± 1144
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.34
Std Dev 0
3
2
1
0
−1
−2

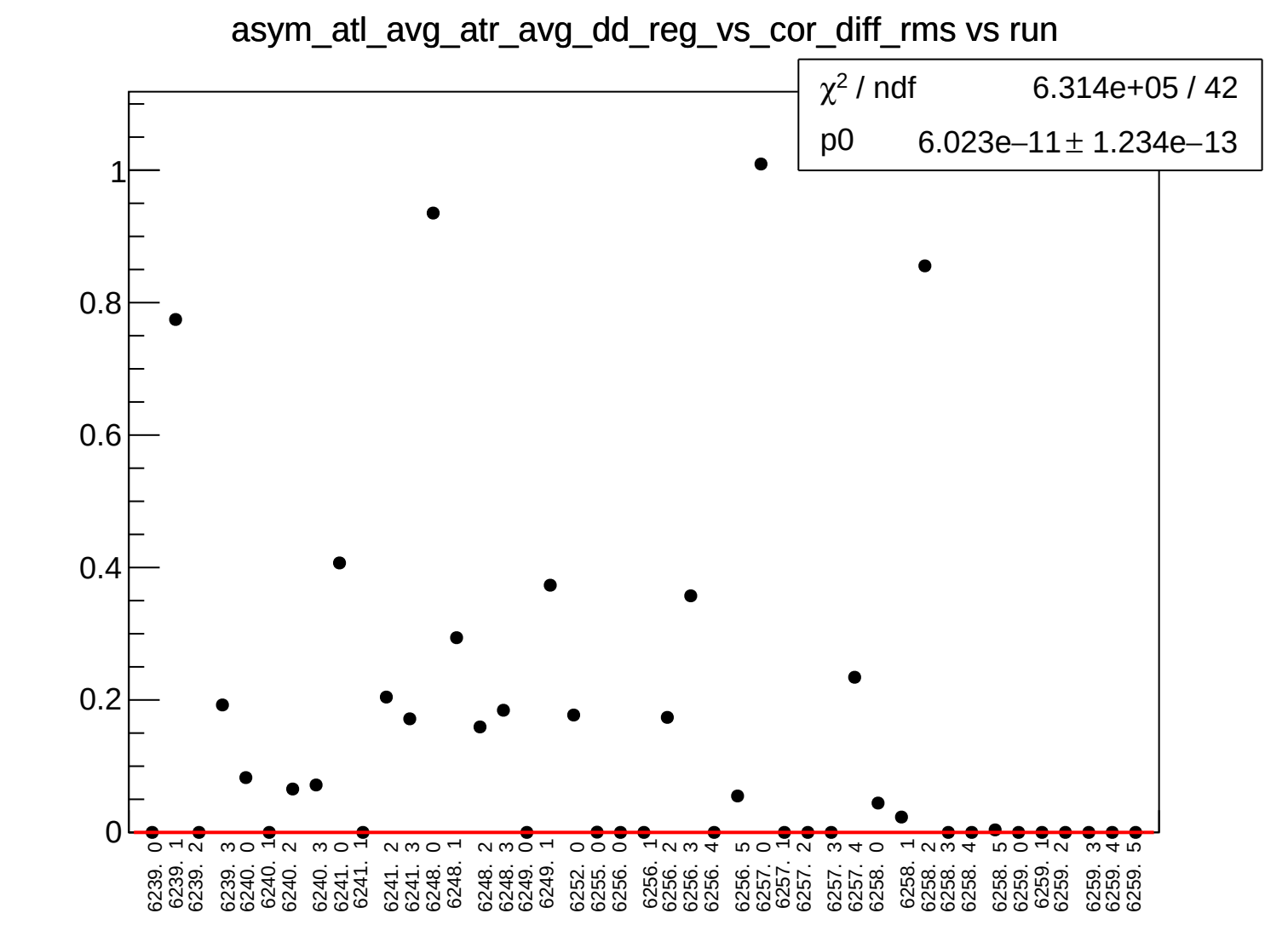

pull1D
Entries 43
Mean −0.03594
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

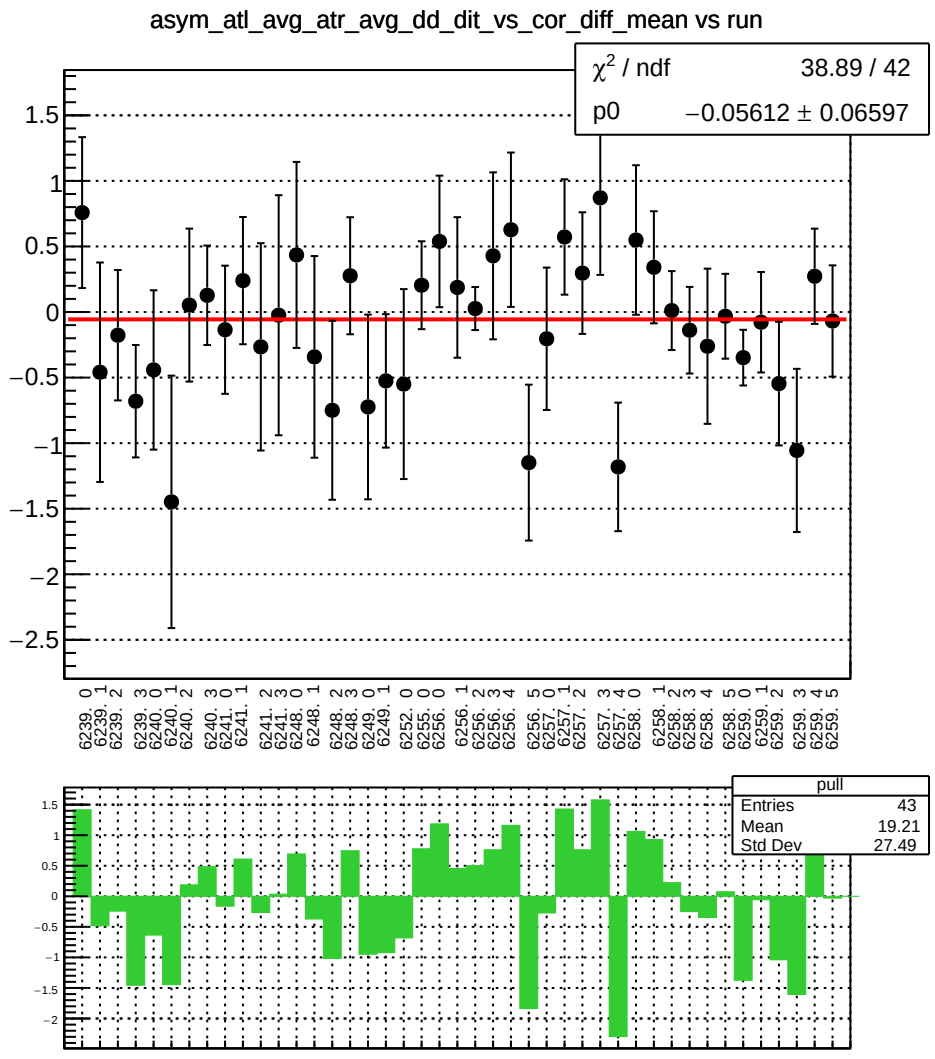

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2914 / 42
p0 753.1 ± 0.809
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

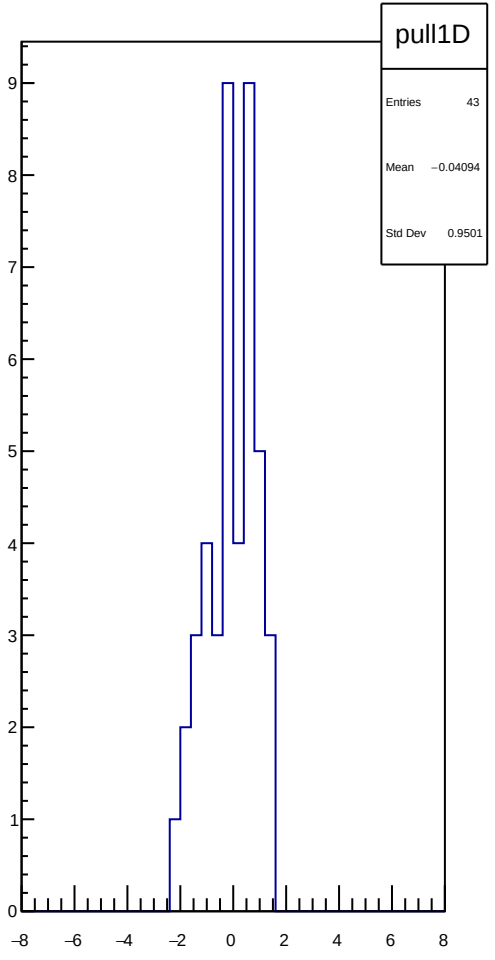

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 44.58 / 42
p0 −2404 ± 2153
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02245
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

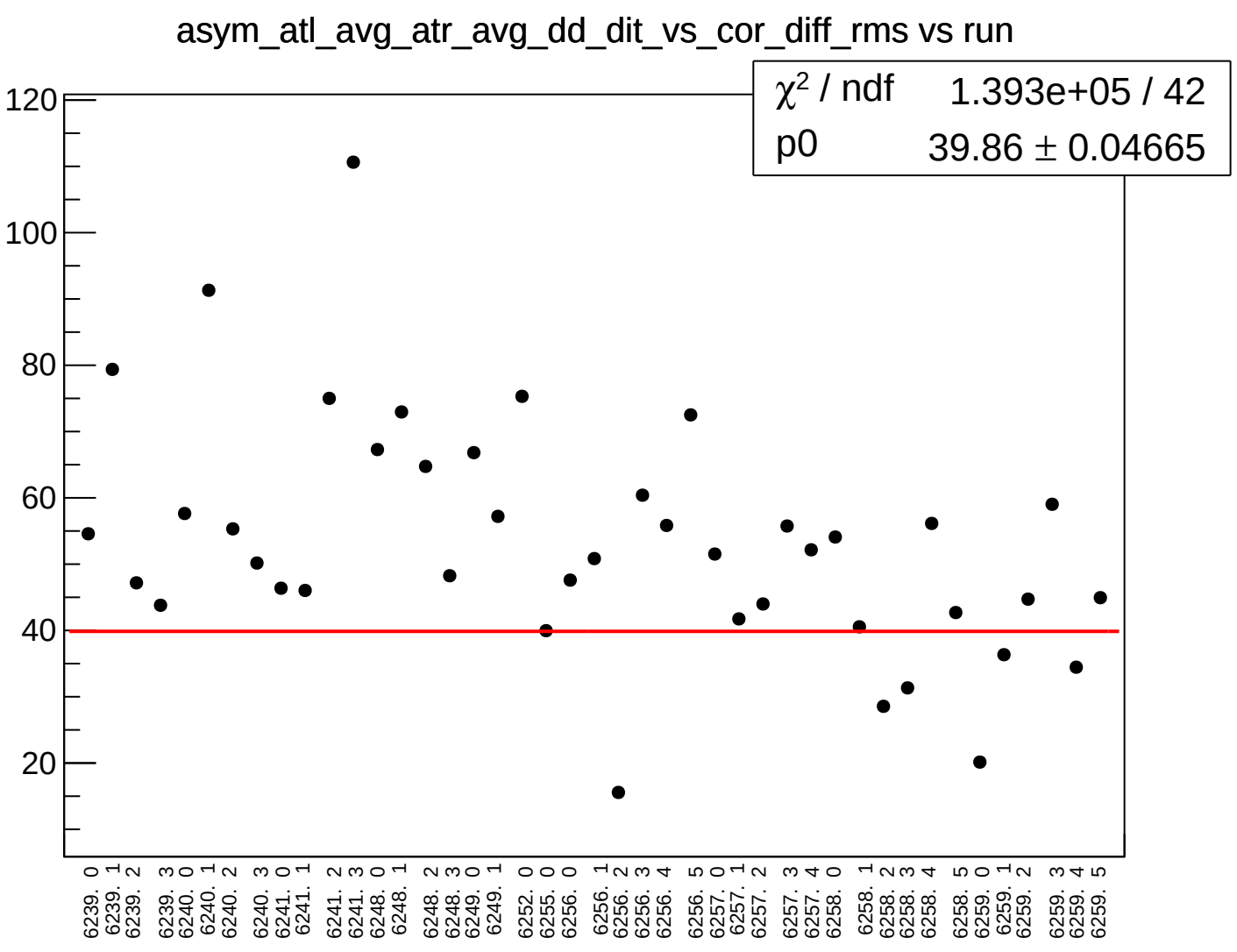

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 289.6 / 42
p0 1420 ± 1.523
1500
1480
1460
1440
1420
1400
1380
1360
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

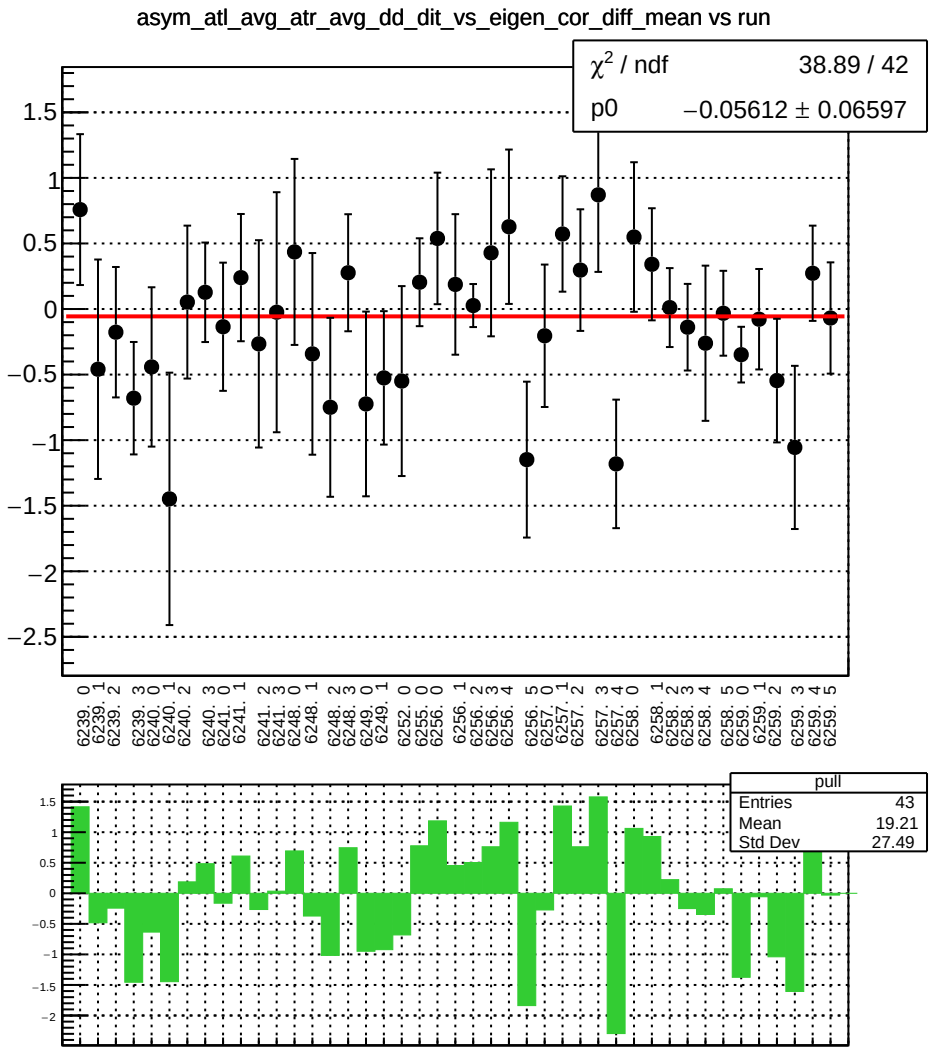

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.3 / 42
p0 1.599e−13 ± 1.746e−13
0.015
0.01
0.005
0
−0.005
−0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −9.159
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.06929
Std Dev 0.9288
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

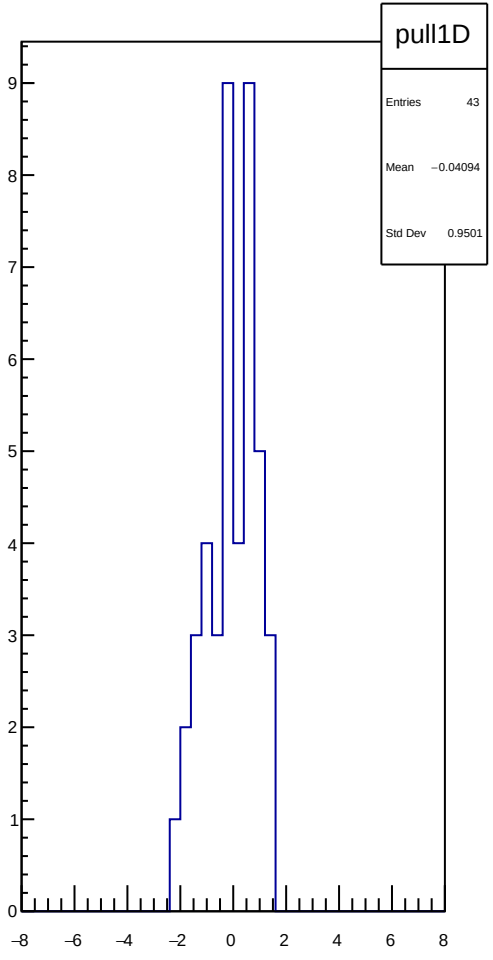

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.314e+05 / 42
p0 6.023e−11 ± 1.234e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

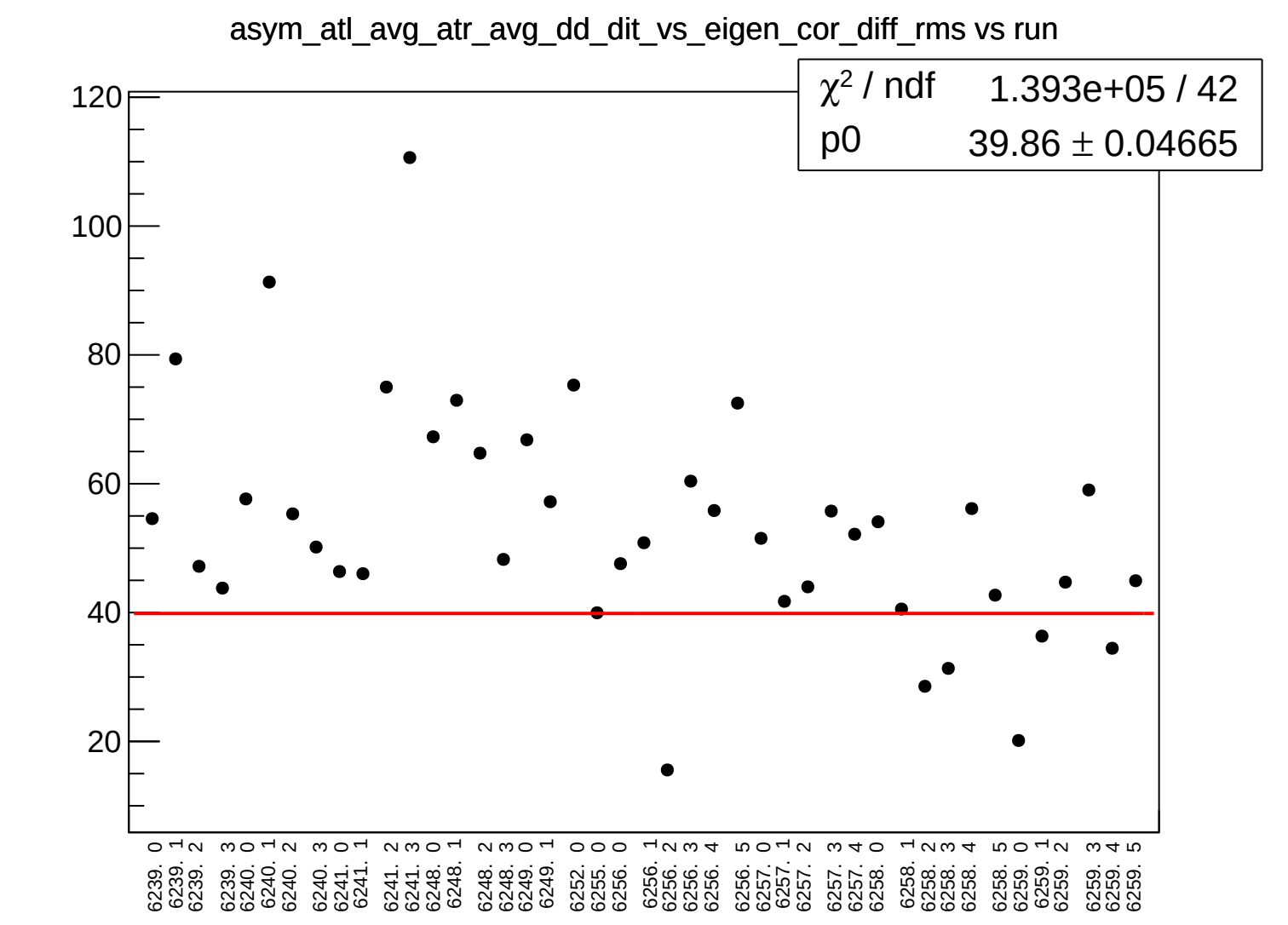

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.05612 ± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49


pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501


asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.05612 ± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49


pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501


asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
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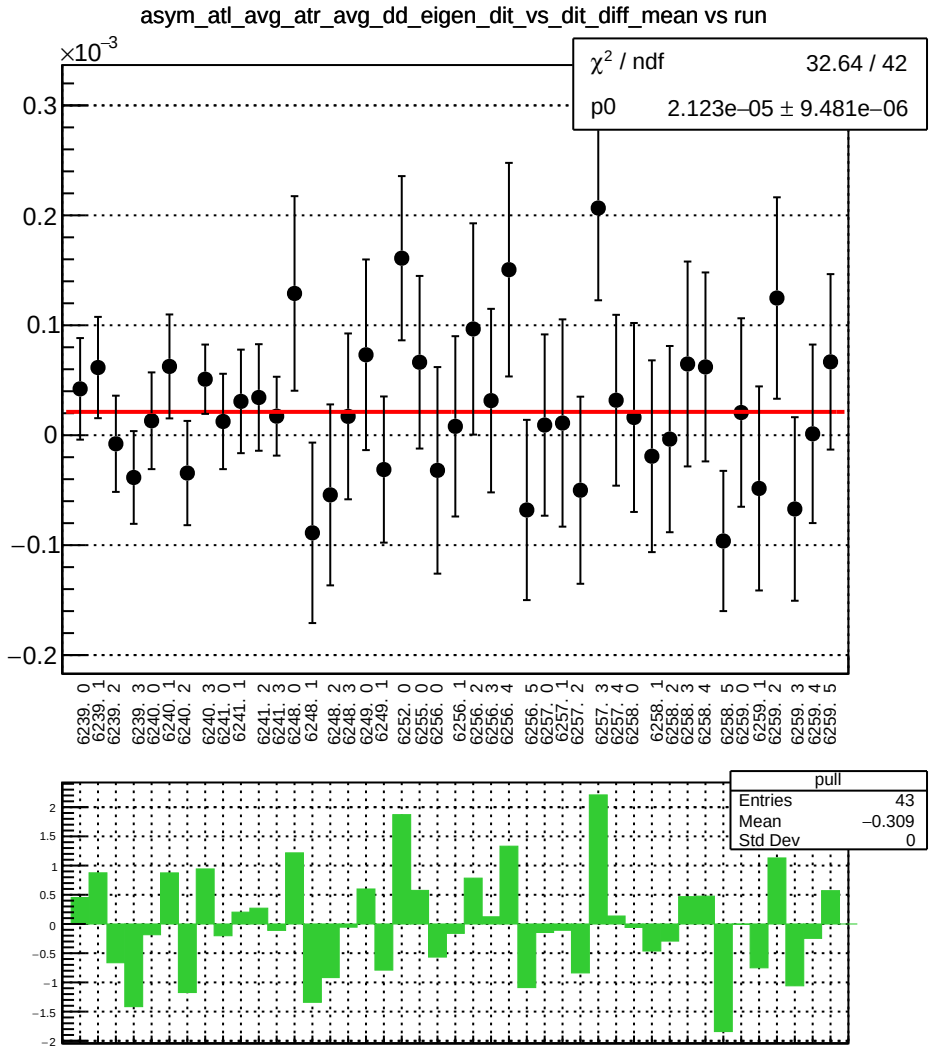
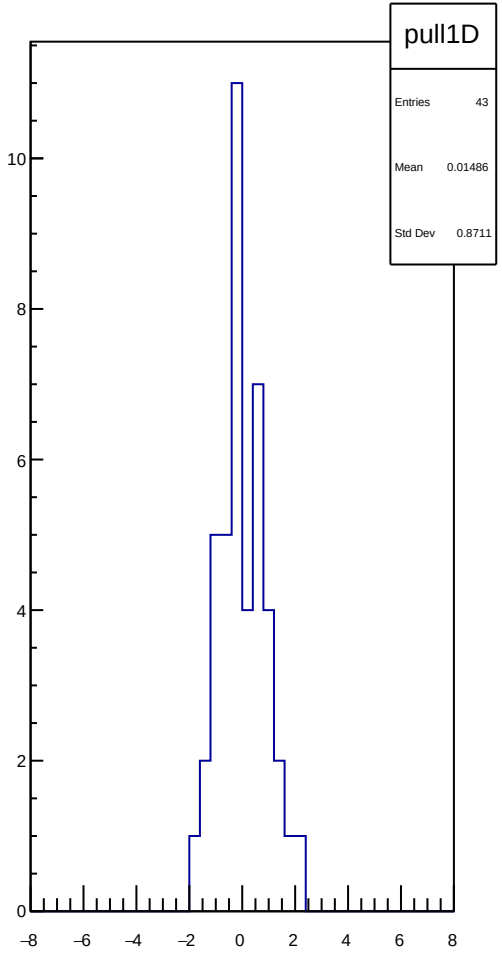
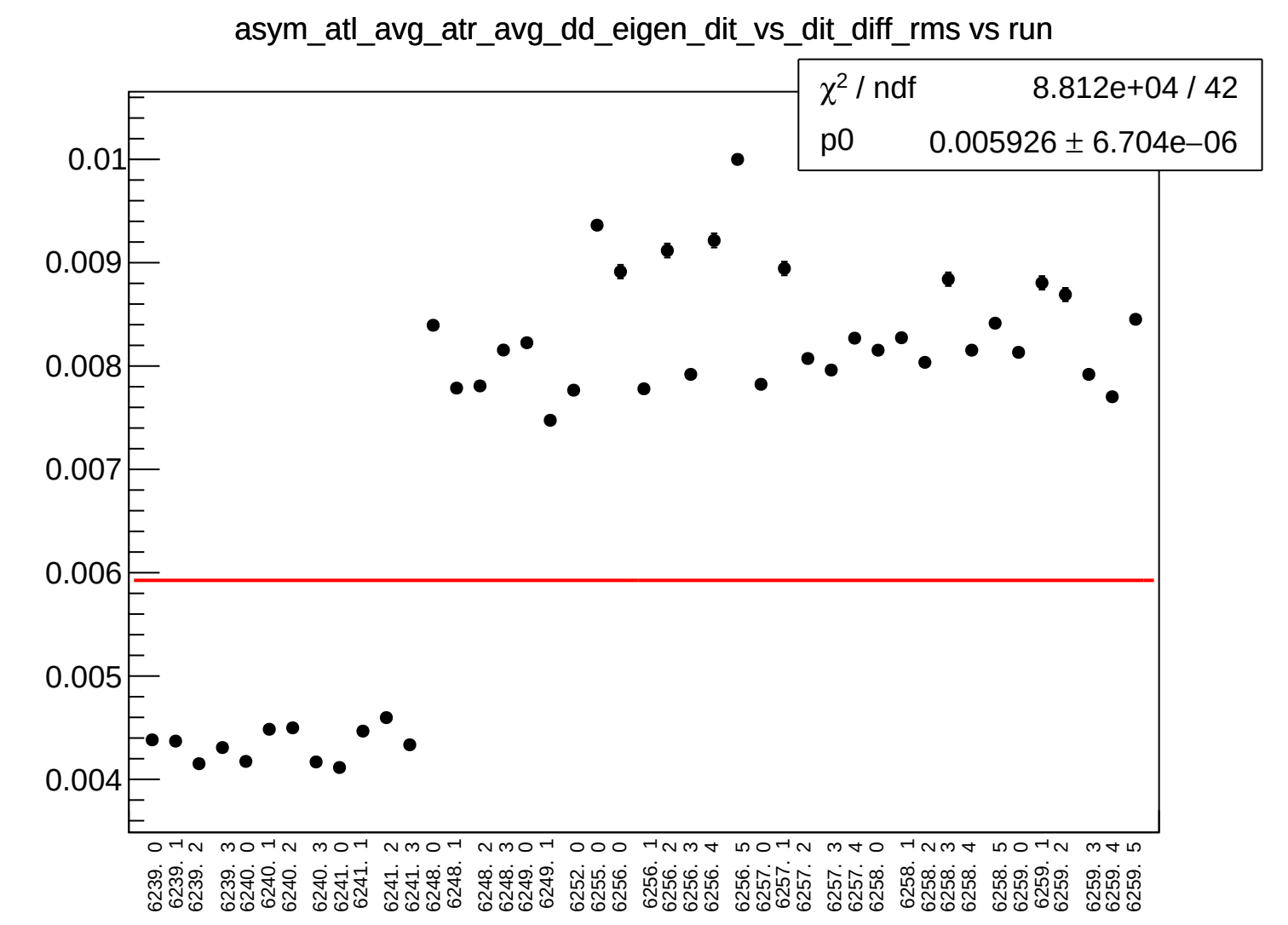
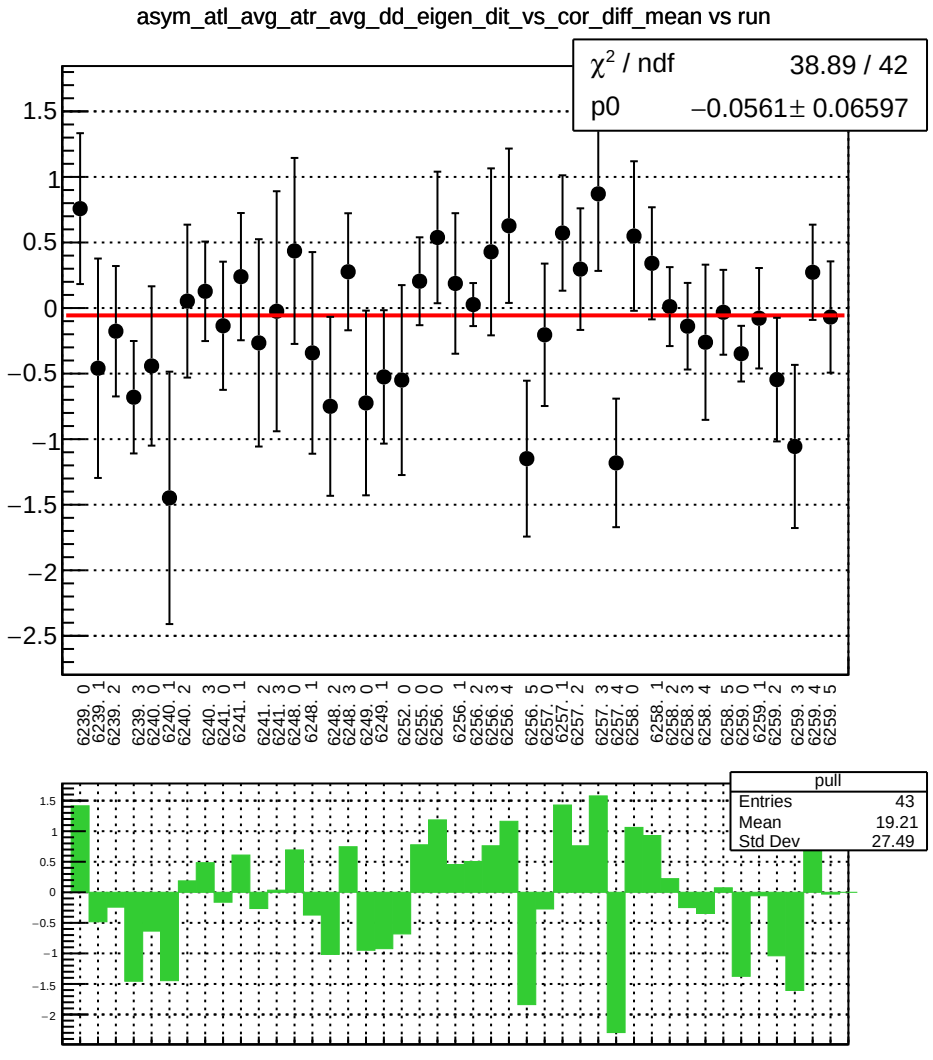
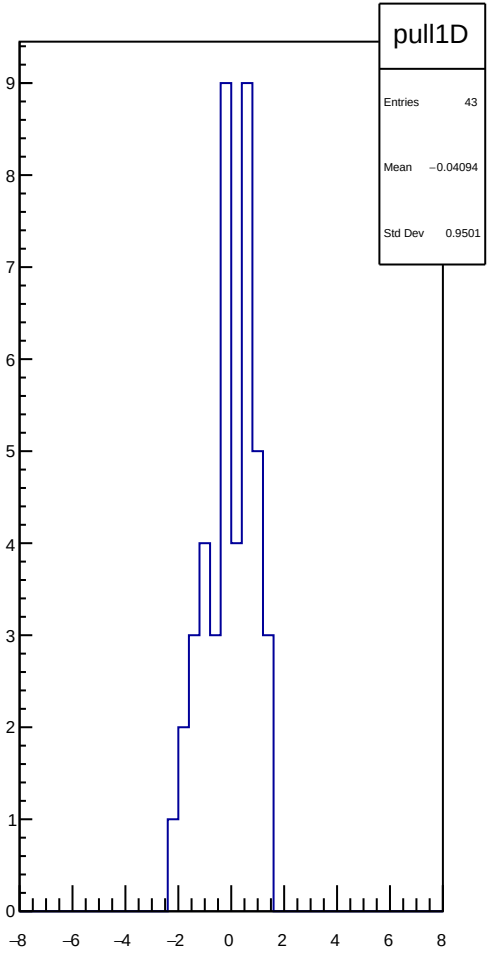
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

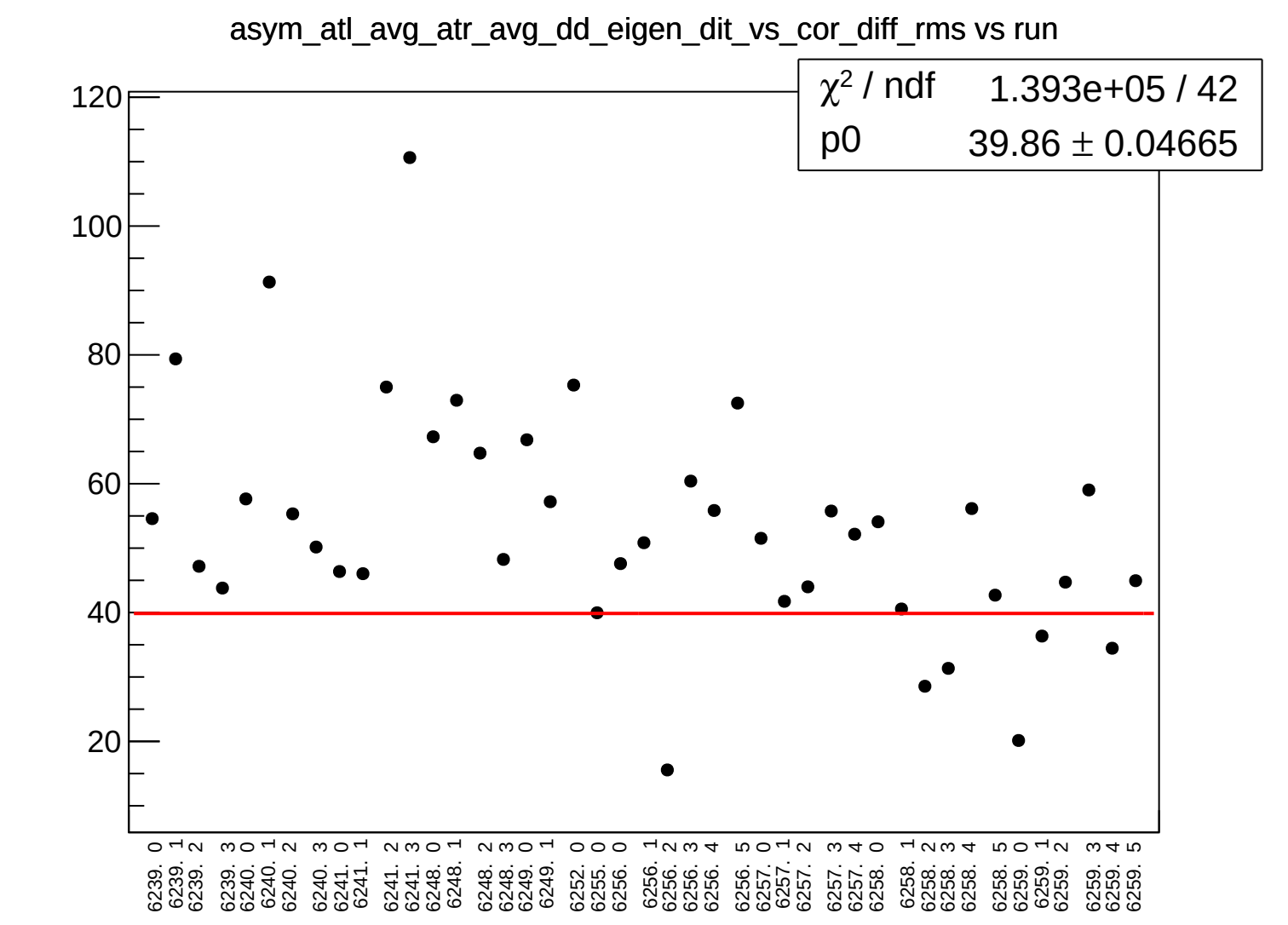

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.64 / 42
p0 2.123e−05 ± 9.481e−06
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.309
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

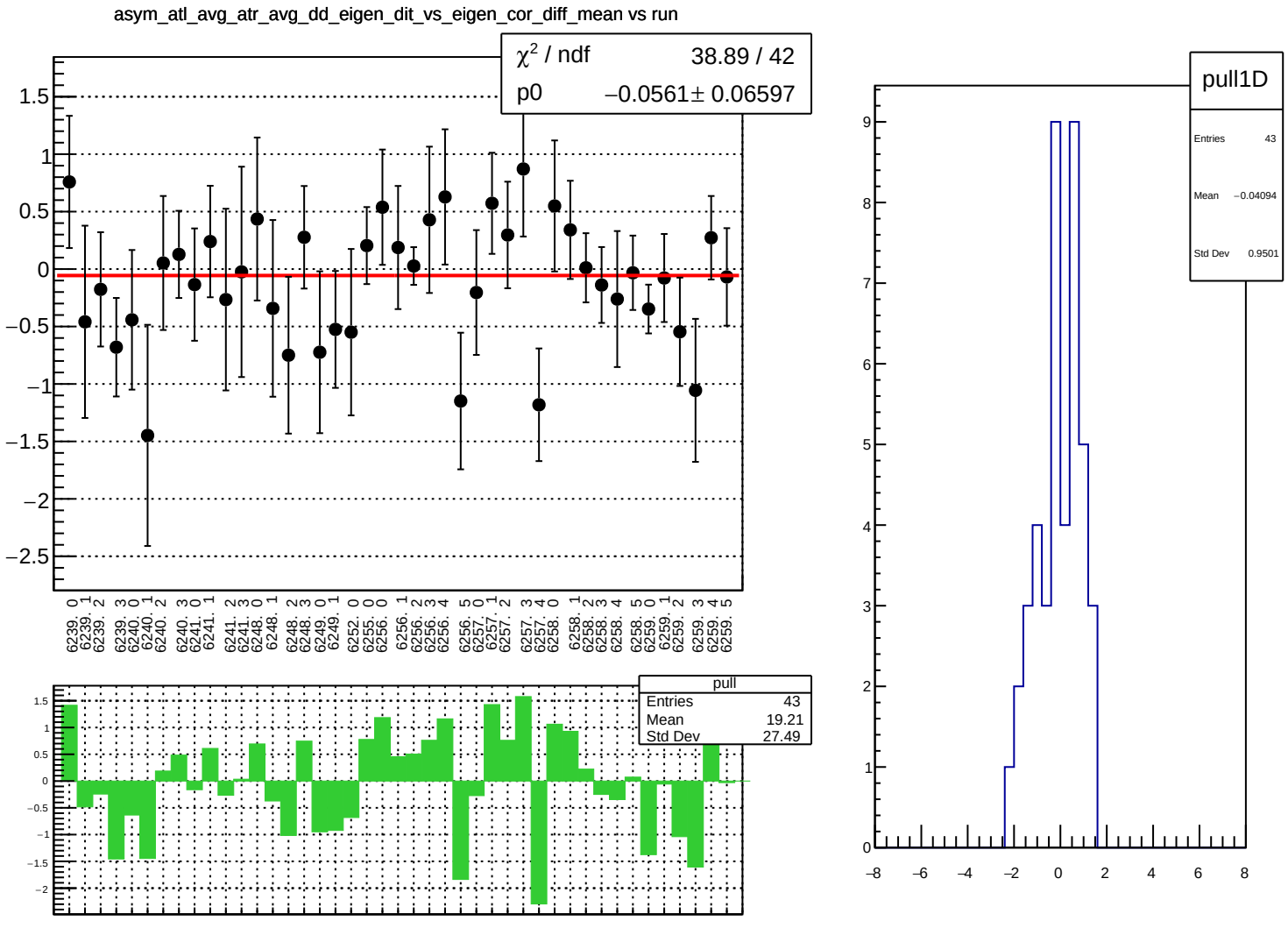

pull1D
Entries 43
Mean 0.01486
Std Dev 0.8711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

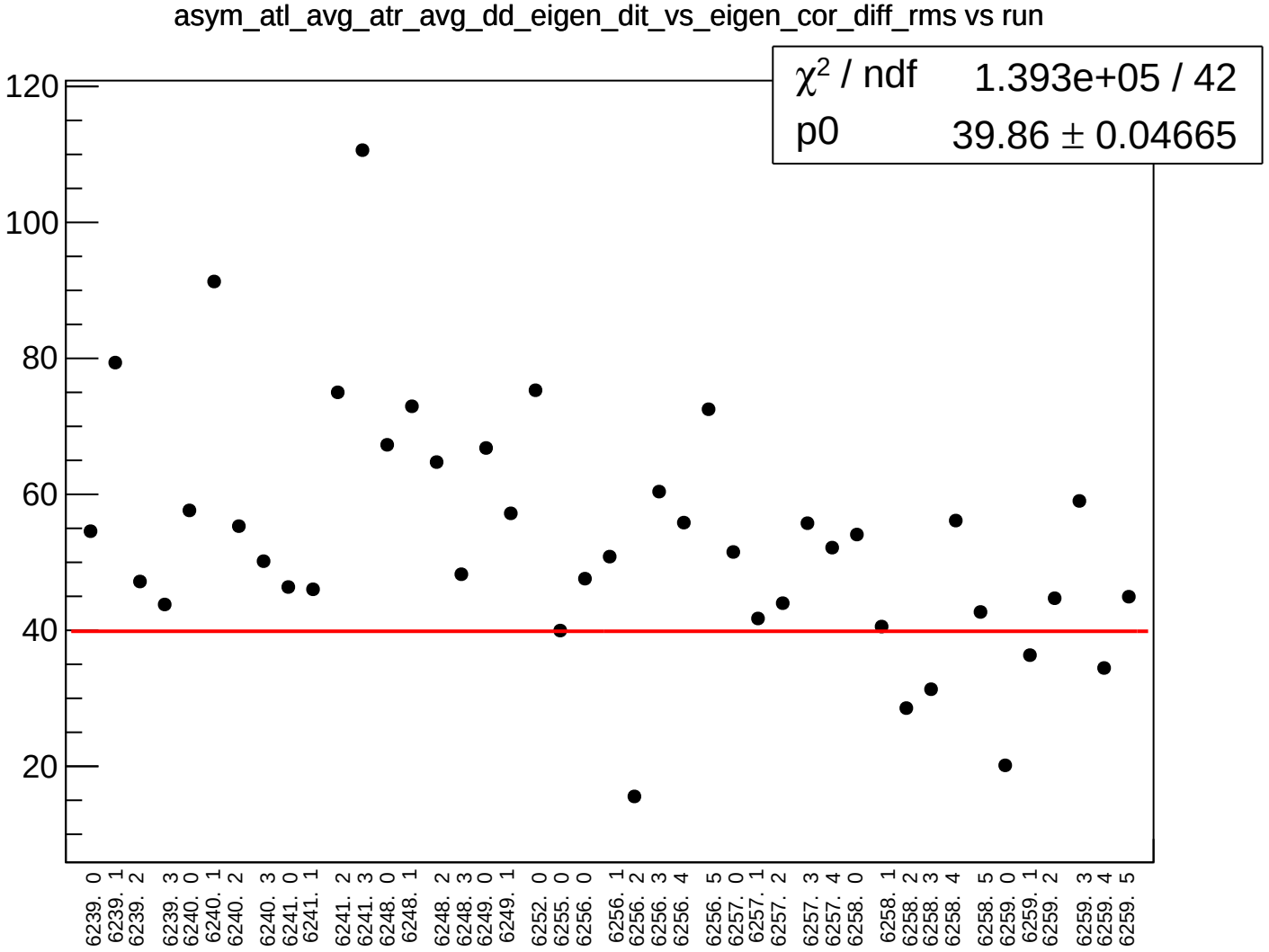

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.812e+04 / 42
p0 0.005926 ± 6.704e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

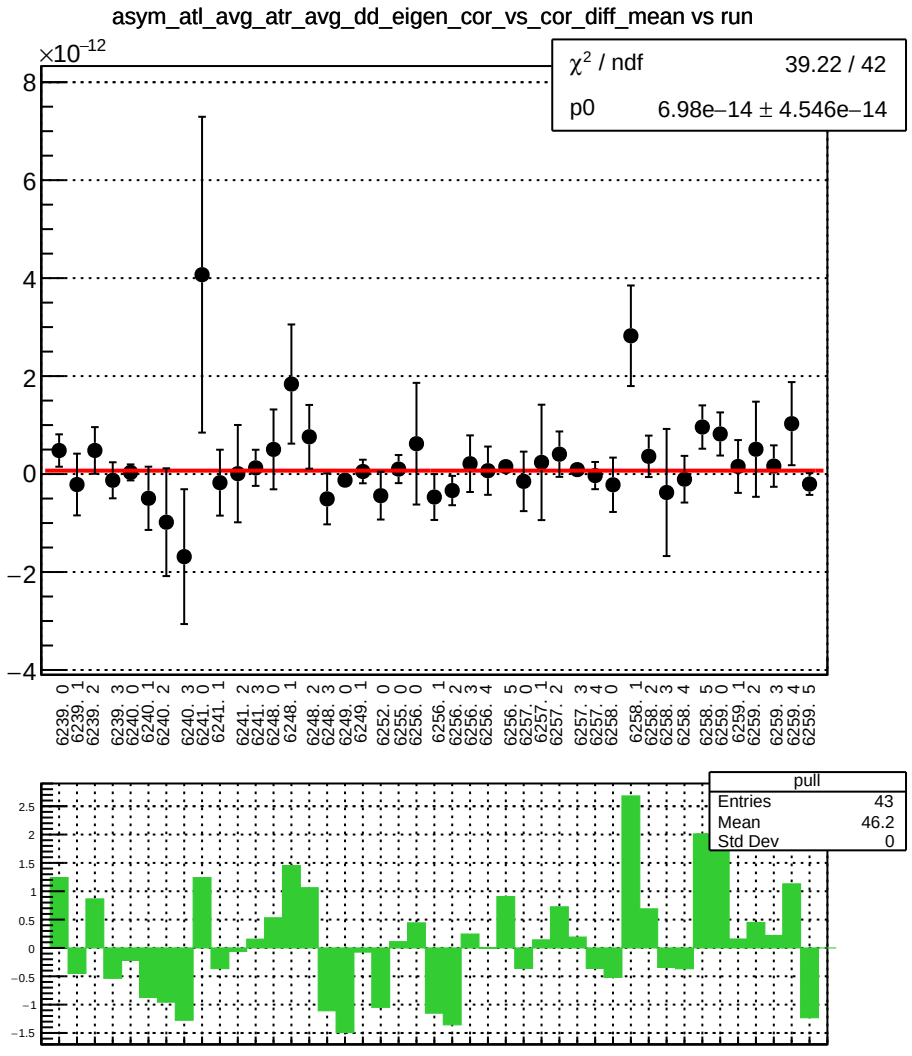

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.0561± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49

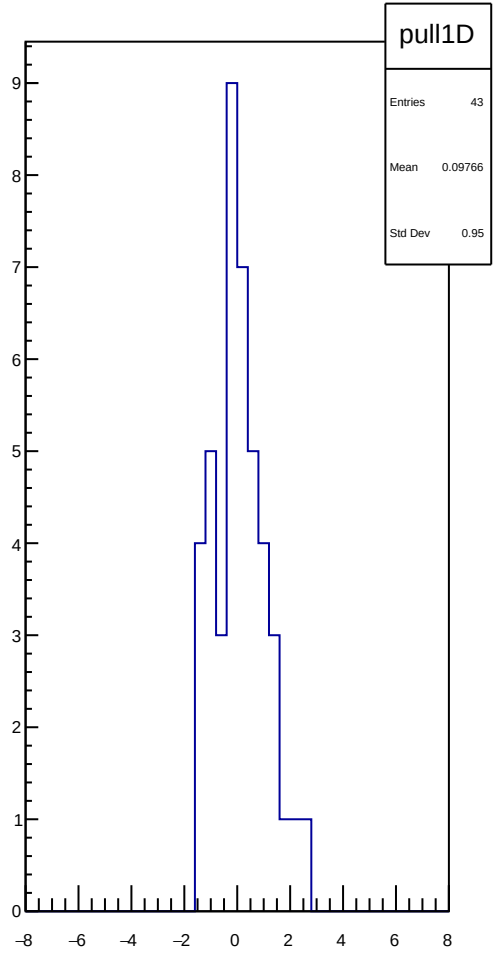

pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501

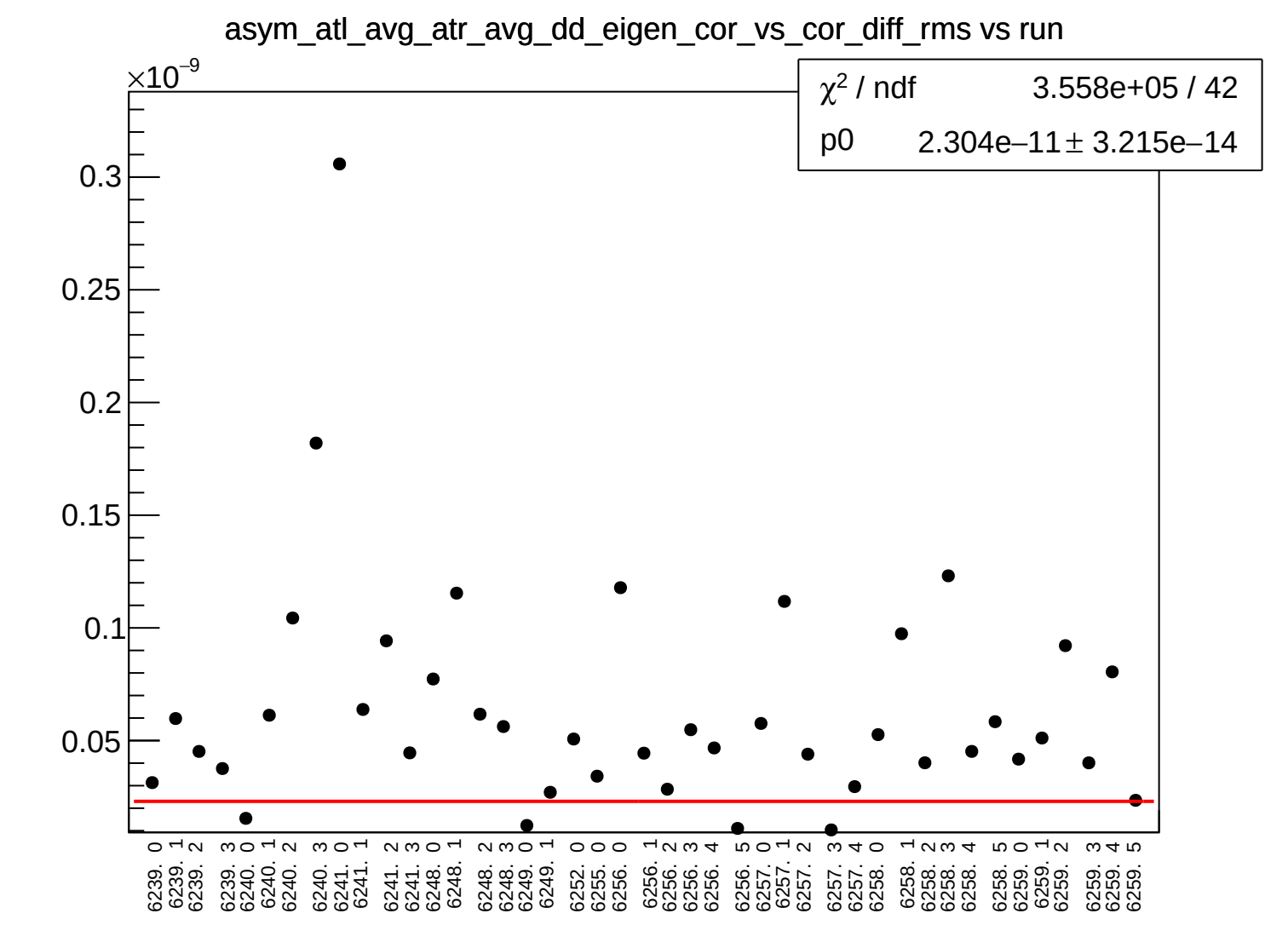

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

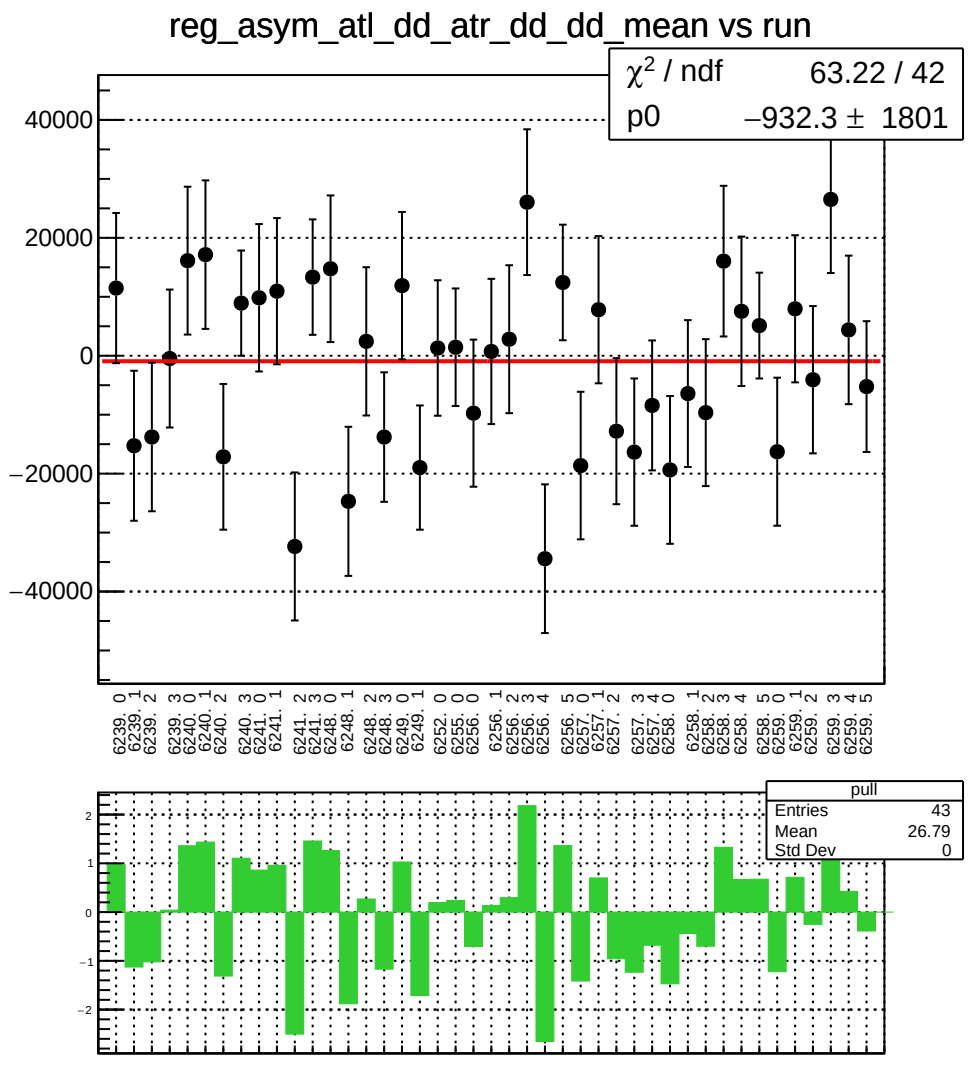

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.0561± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49
pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501

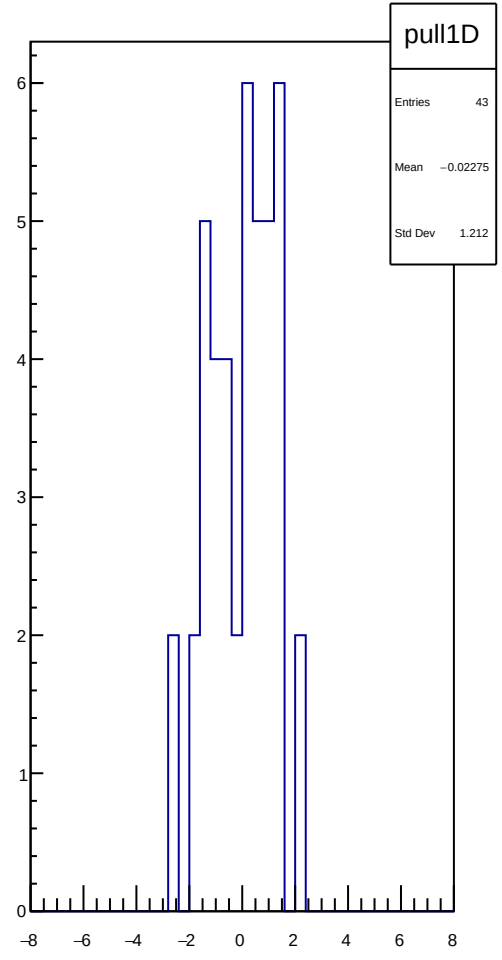

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

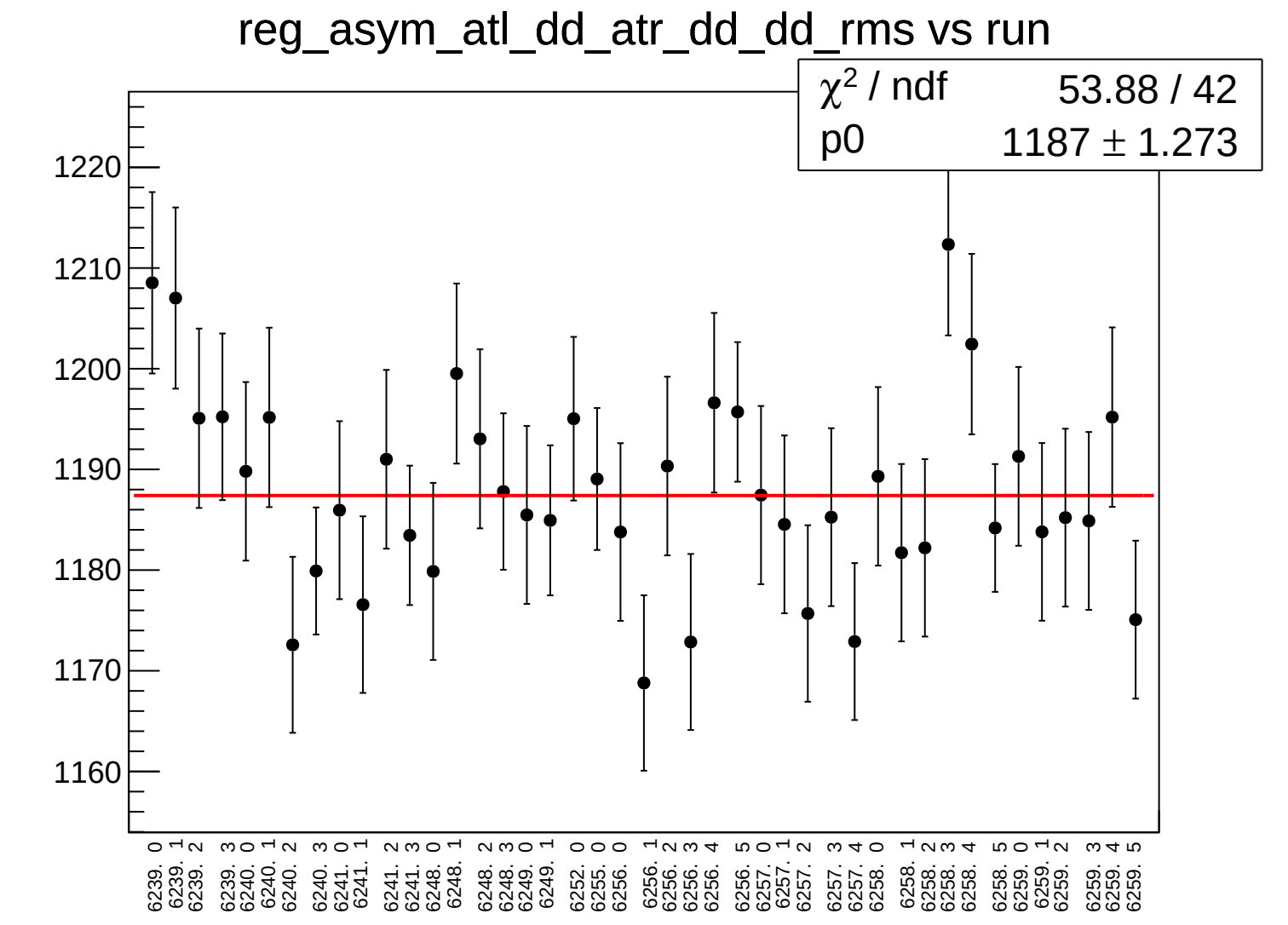

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.22 / 42
p0 6.98e−14 ± 4.546e−14
pull
Entries 43
Mean 46.2
Std Dev 0

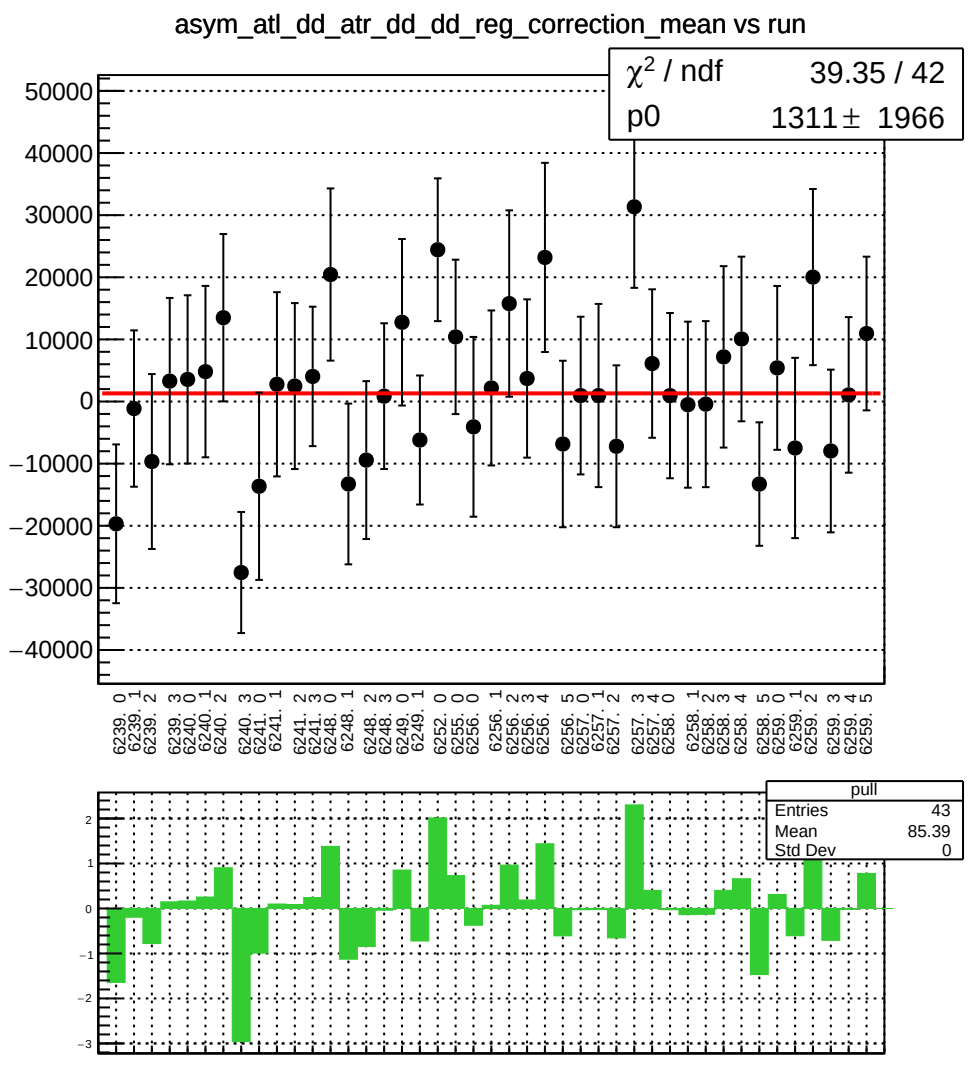

pull1D
Entries 43
Mean 0.09766
Std Dev 0.95

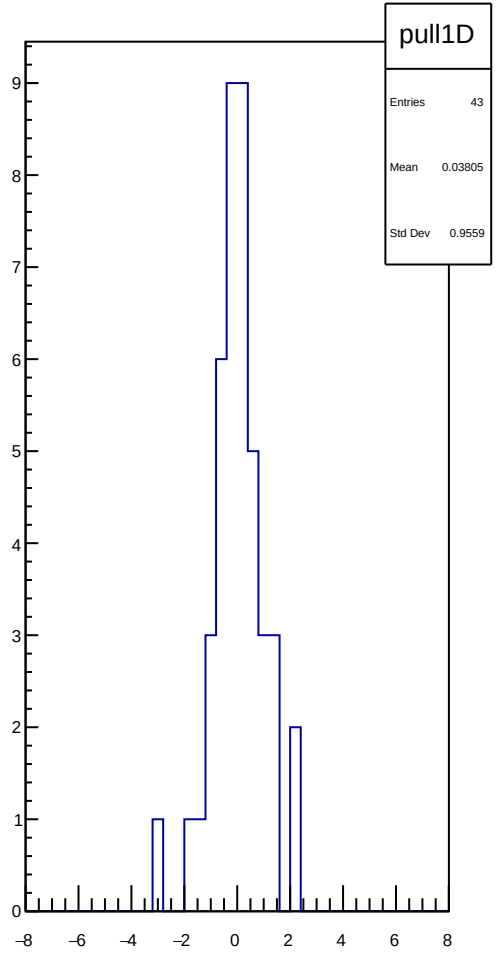

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.558e+05 / 42
p0 2.304e−11 ± 3.215e−14
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

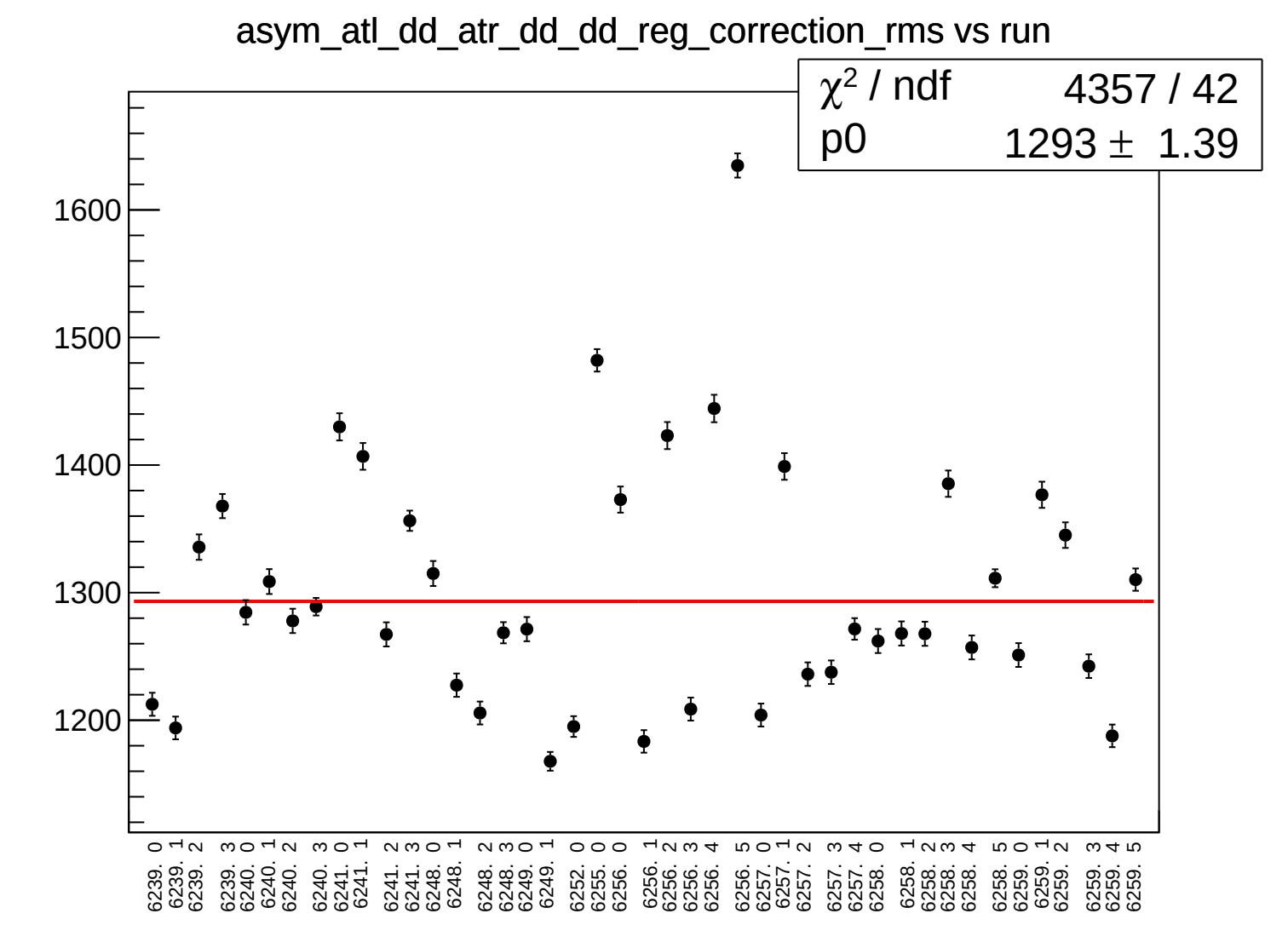

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.22 / 42
p0 −932.3 ± 1801
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 0
2
1
0
−1
−2

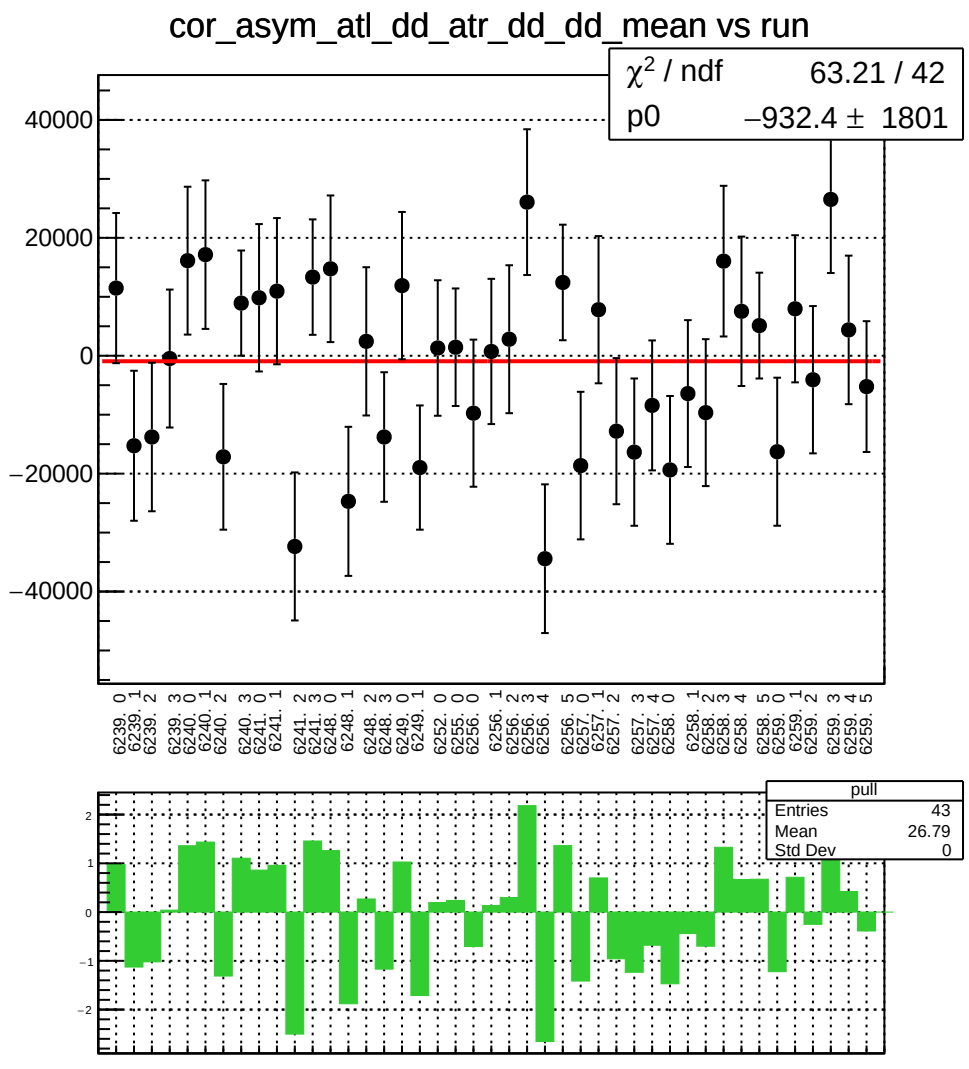

pull1D
Entries 43
Mean −0.02275
Std Dev 1.212
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

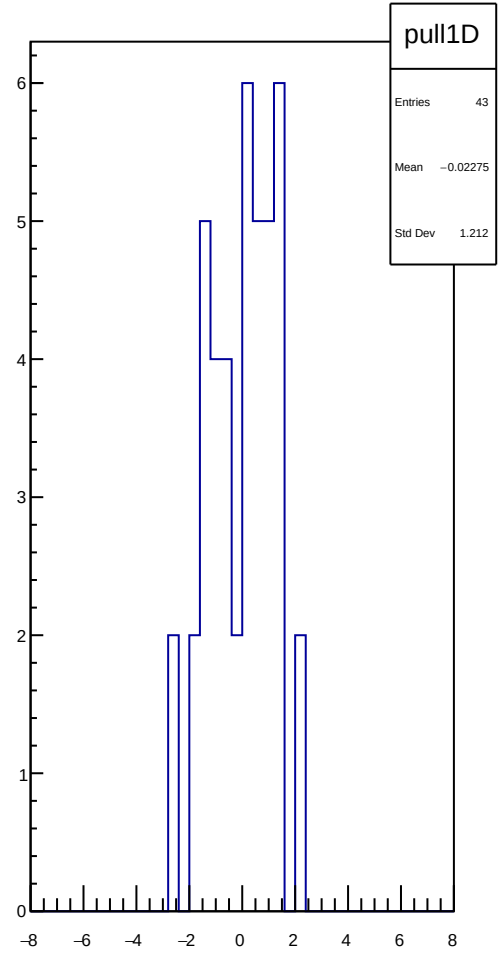

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 53.88 / 42
p0 1187 ± 1.273
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

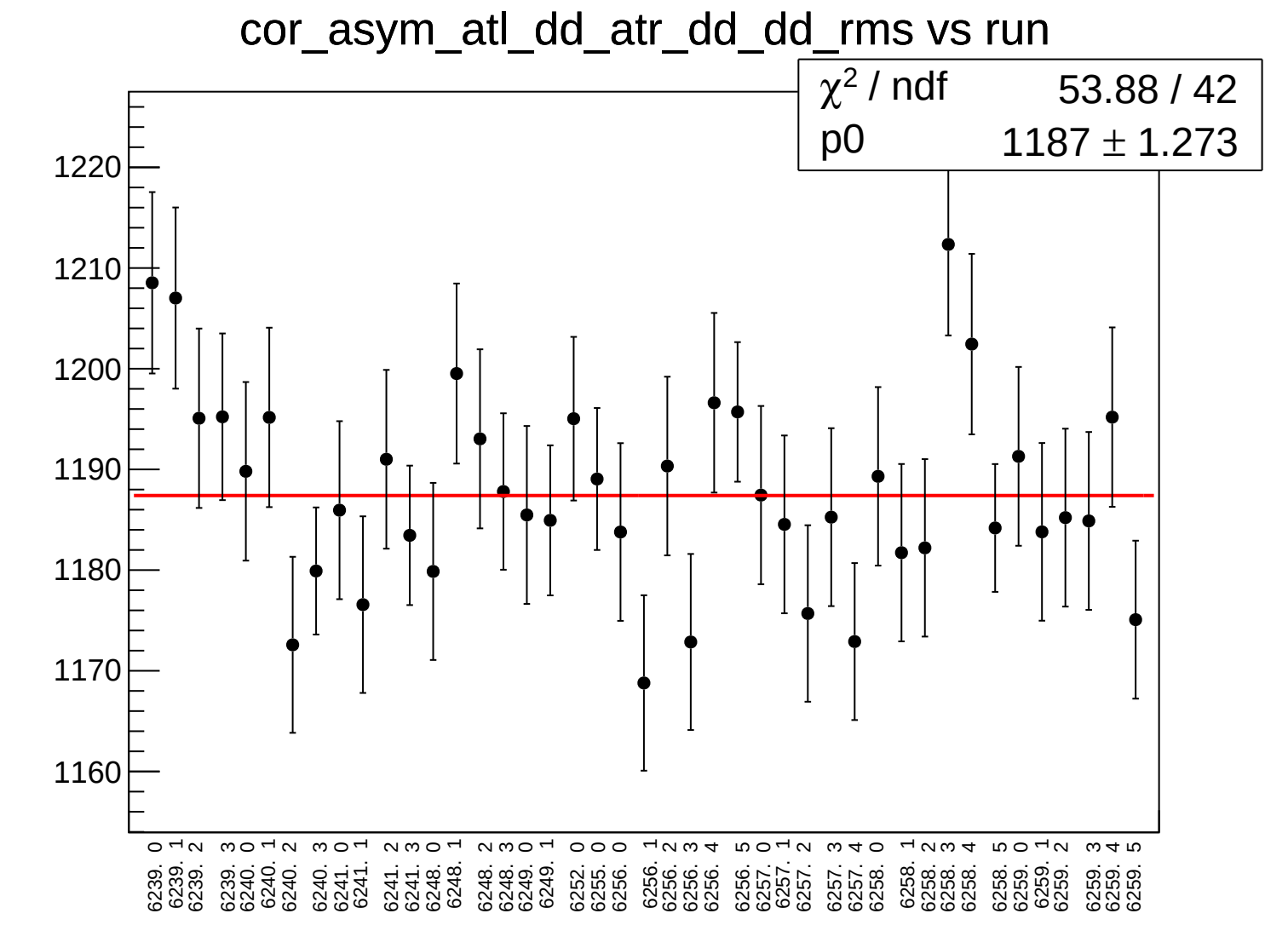

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 39.35 / 42
p0 1311 ± 1966
pull
Entries 43
Mean 85.39
Std Dev 0

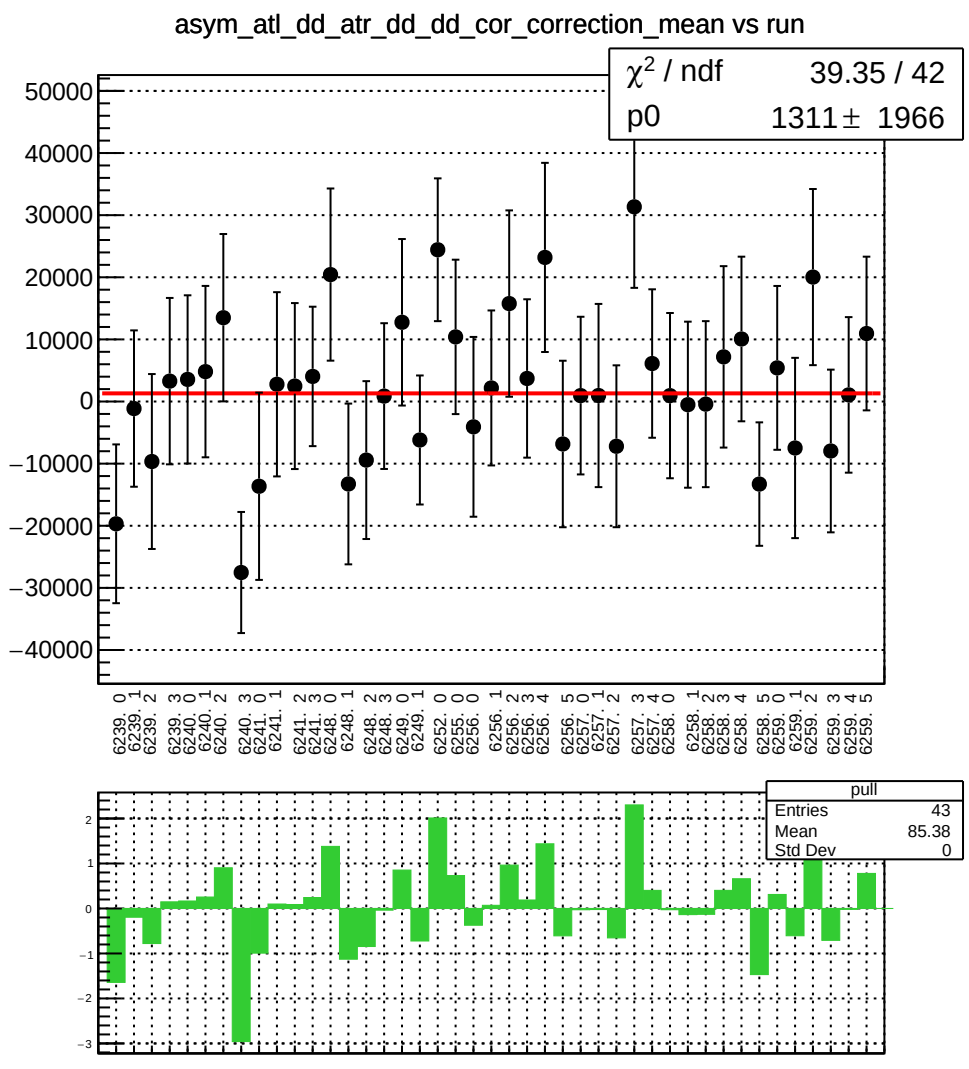

pull1D
Entries 43
Mean 0.03805
Std Dev 0.9559

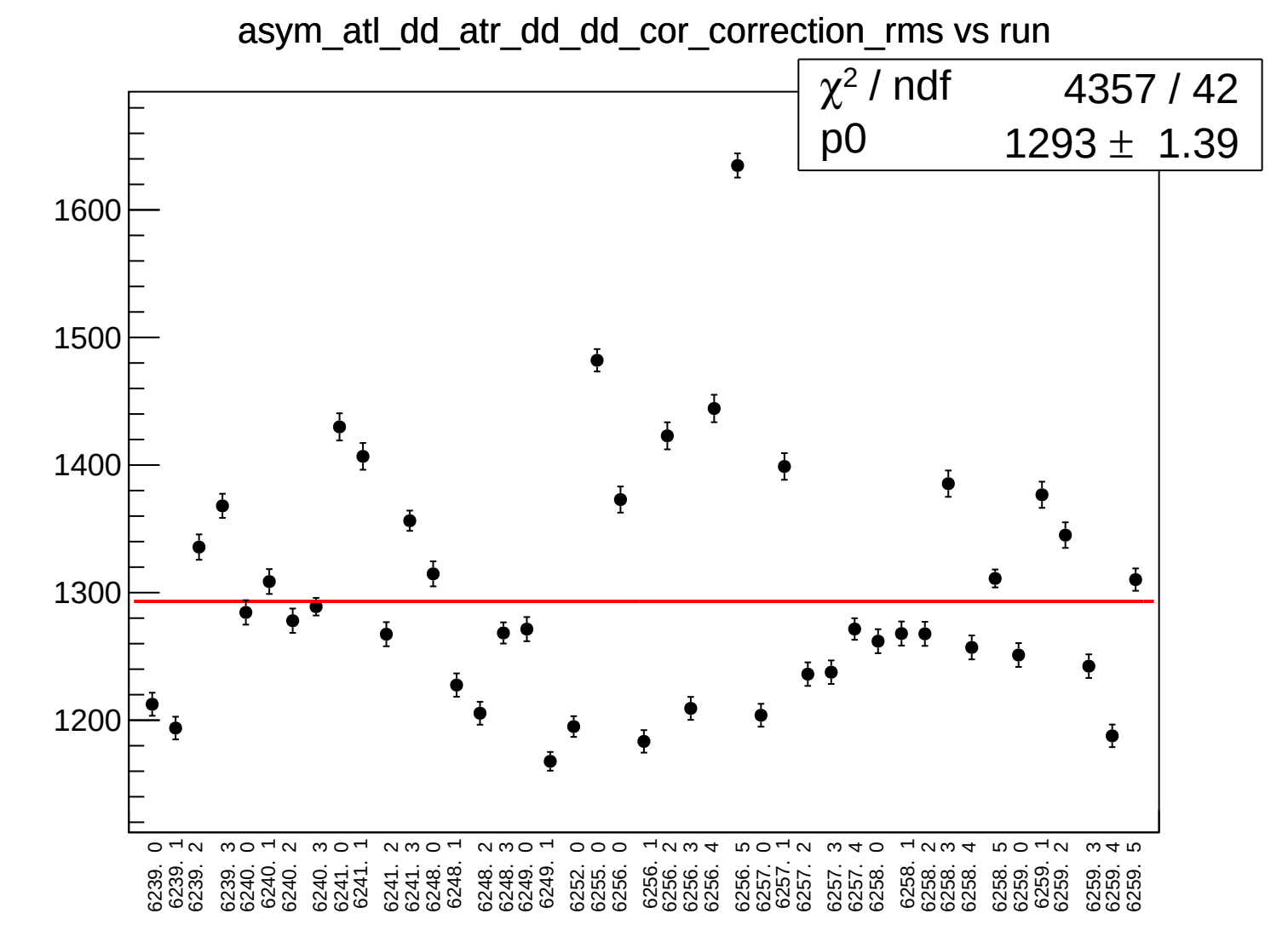

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 4357 / 42
p0 1293 ± 1.39
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

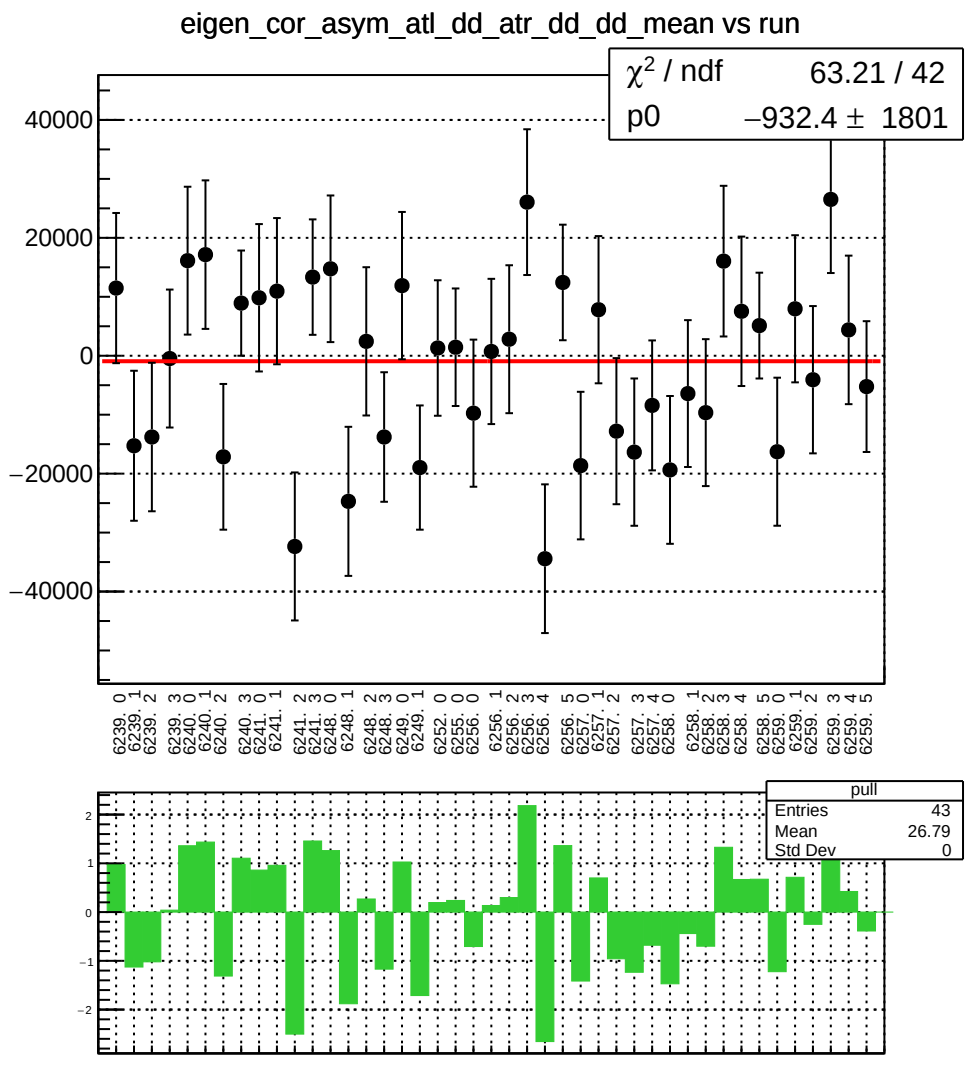

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.21 / 42
p0 −932.4 ± 1801
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 0
2
1
0
−1
−2

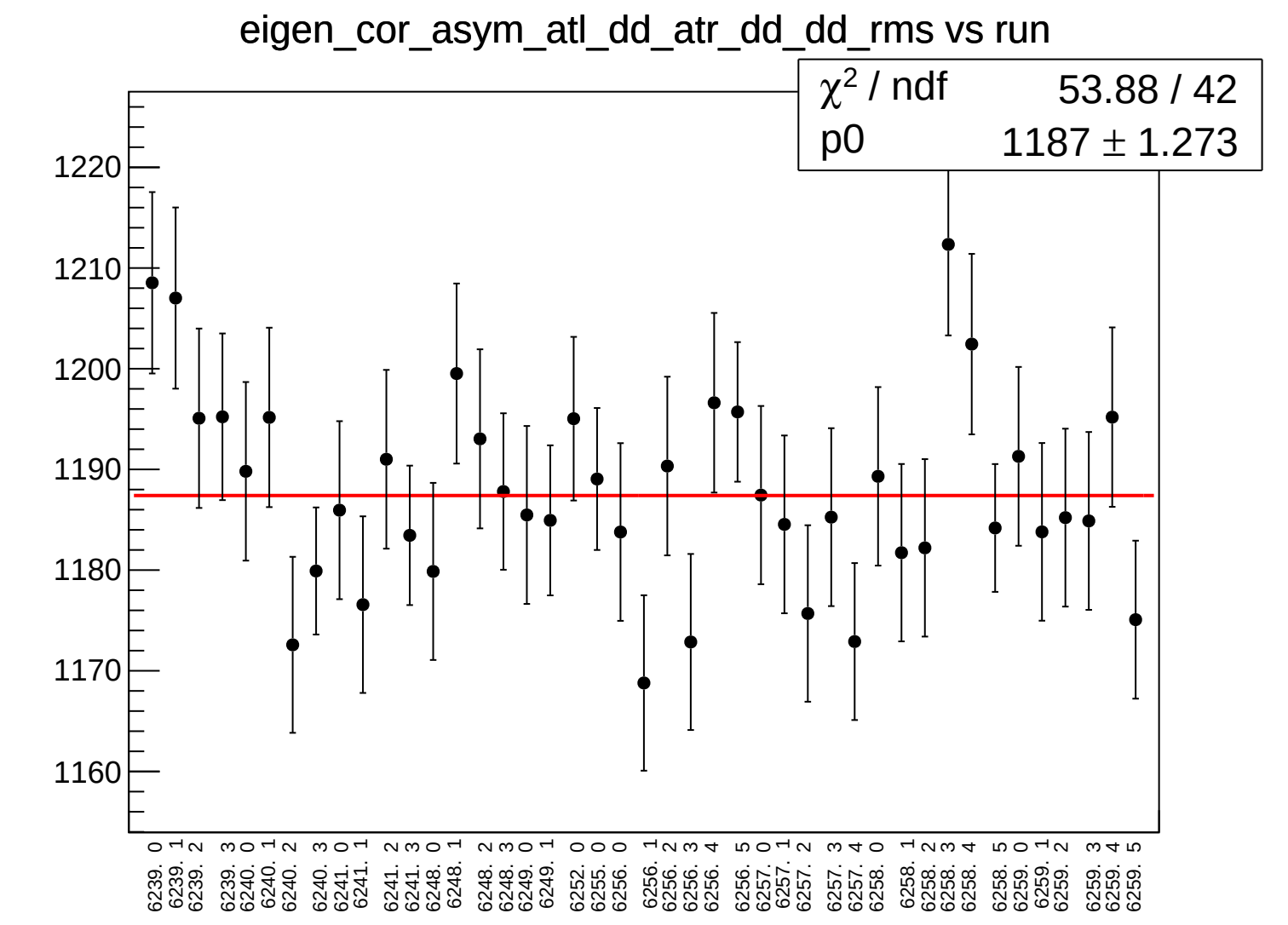

pull1D
Entries 43
Mean −0.02275
Std Dev 1.212
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

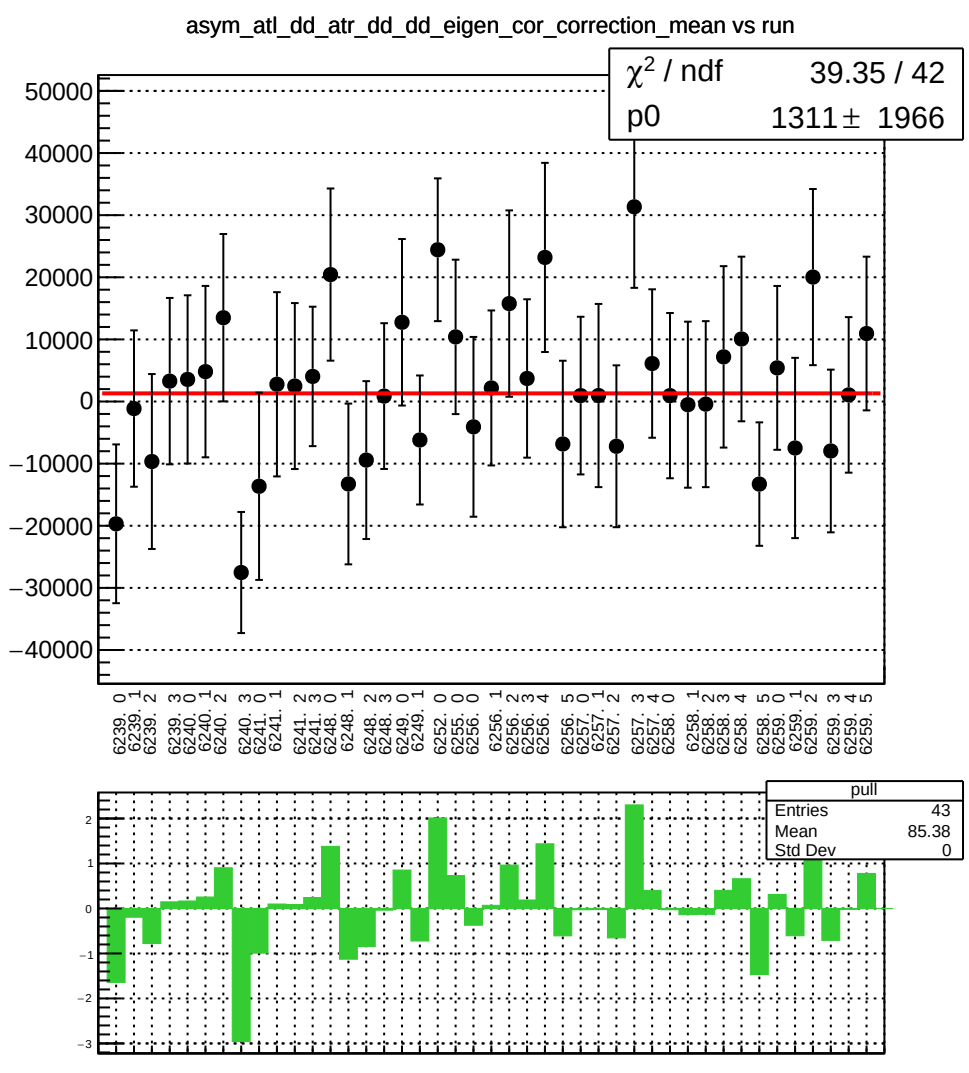

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 53.88 / 42
p0 1187 ± 1.273
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

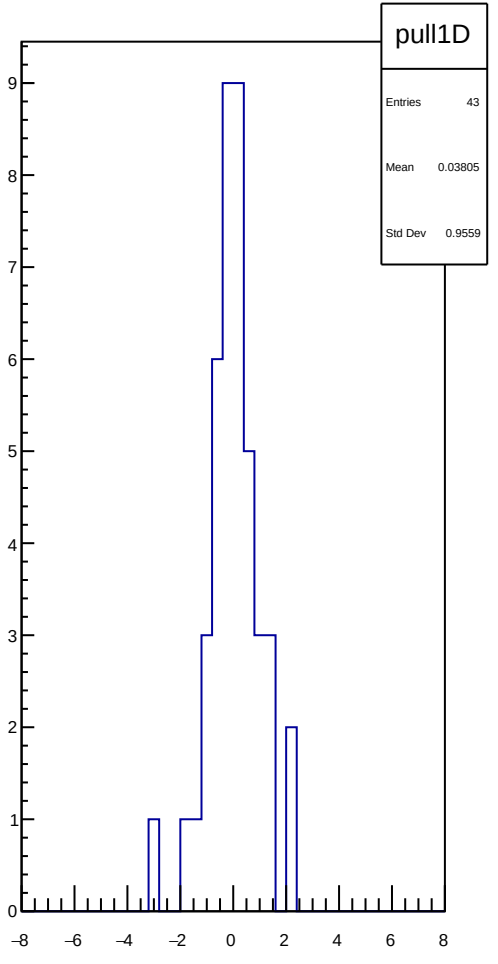

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 39.35 / 42
p0 1311 ± 1966
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.38
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03805
Std Dev 0.9559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

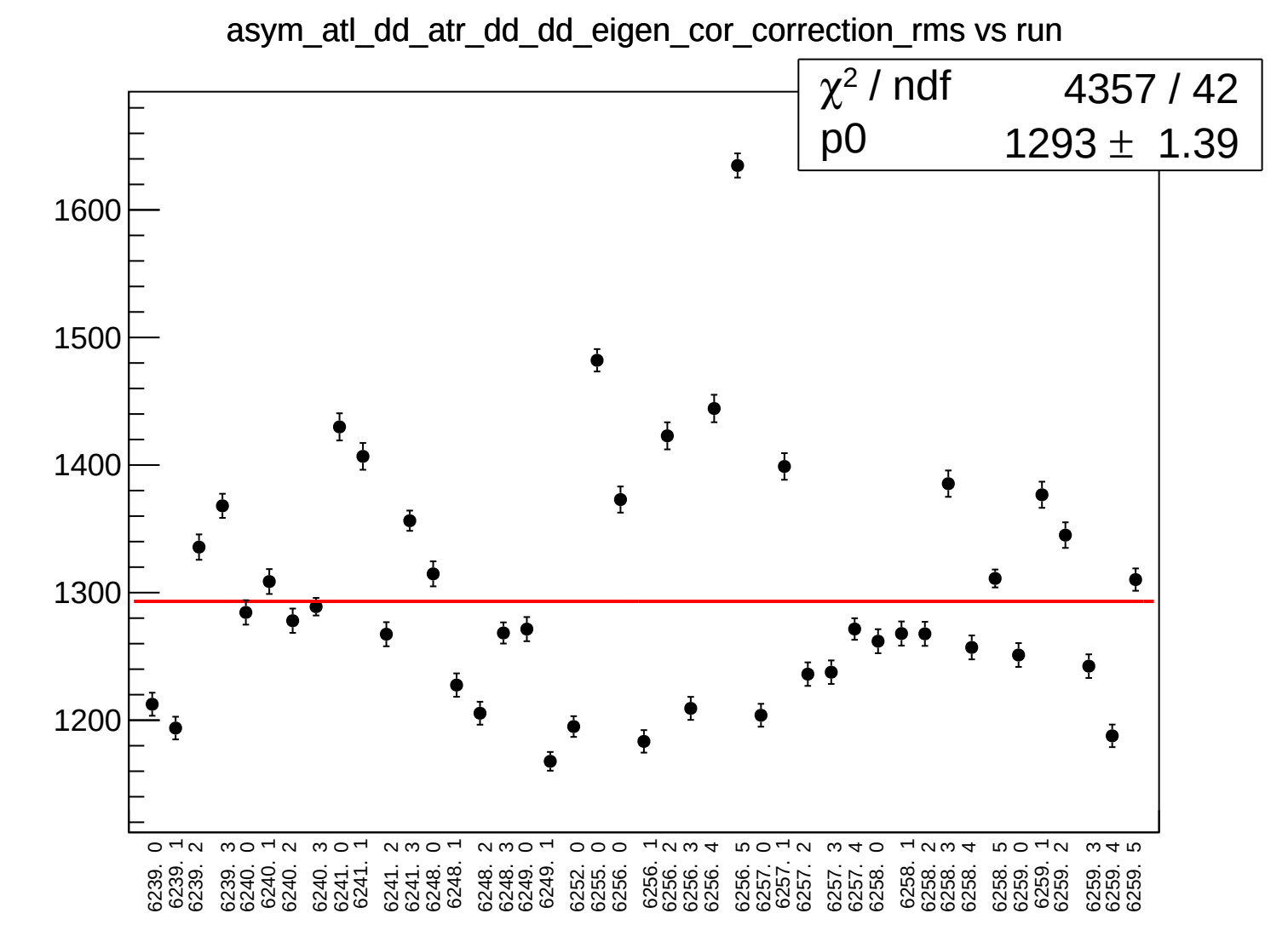

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 4357 / 42
p0 1293 ± 1.39
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

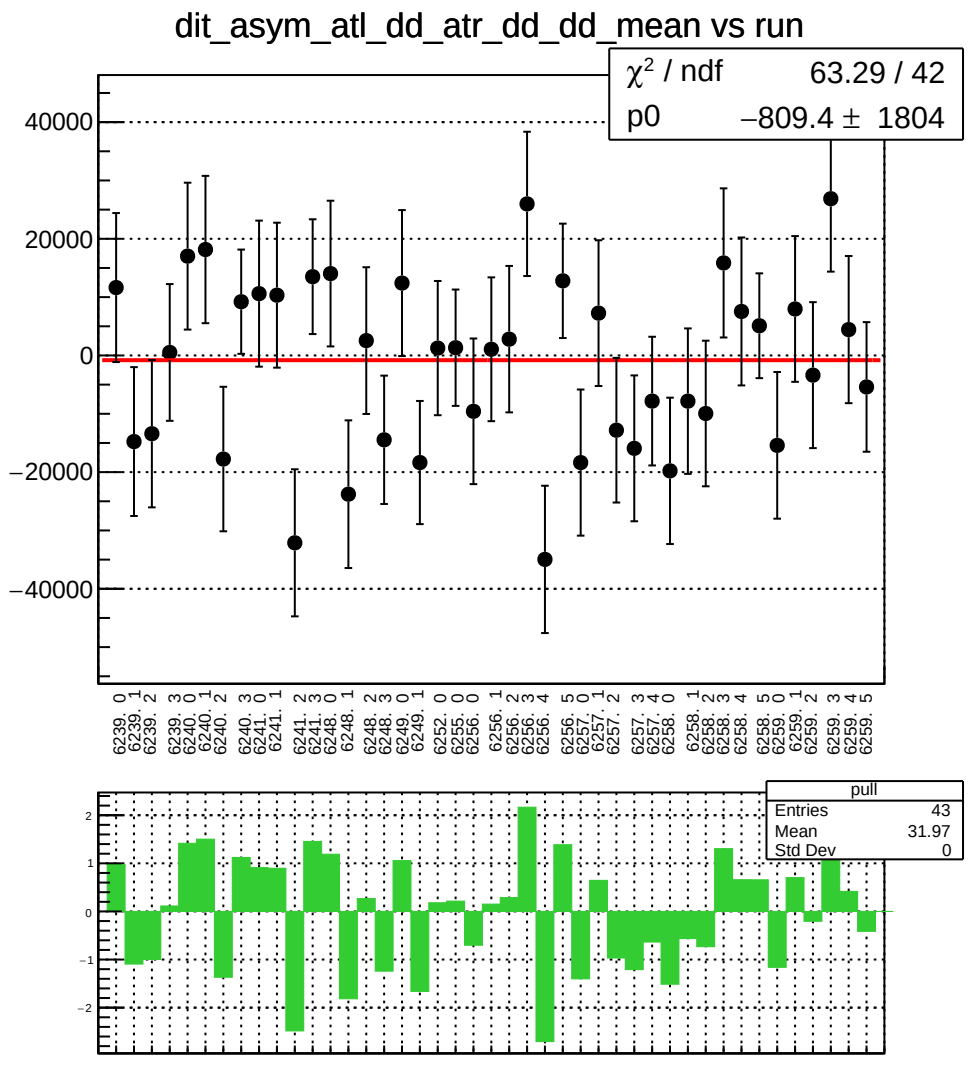

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.21 / 42
p0 −932.4 ± 1801
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02275
Std Dev 1.212
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

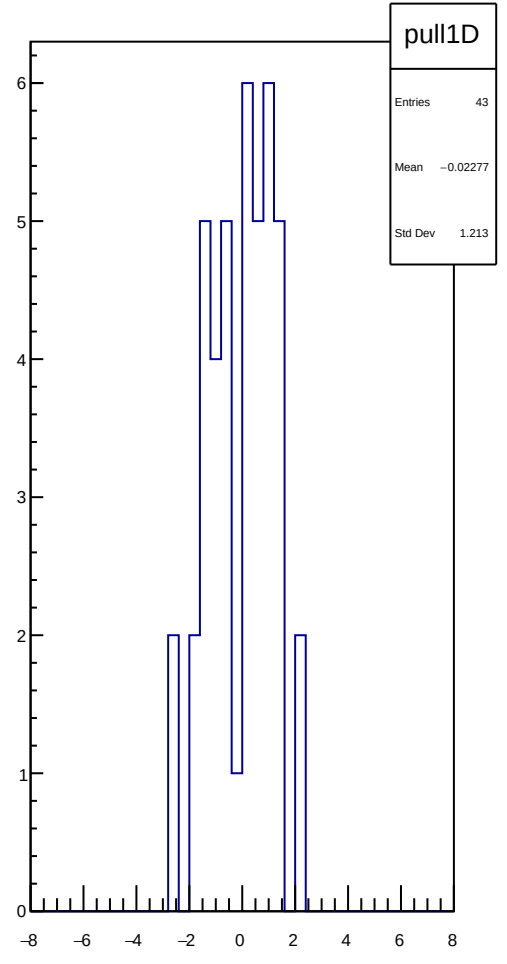

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 53.88 / 42
p0 1187 ± 1.273
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

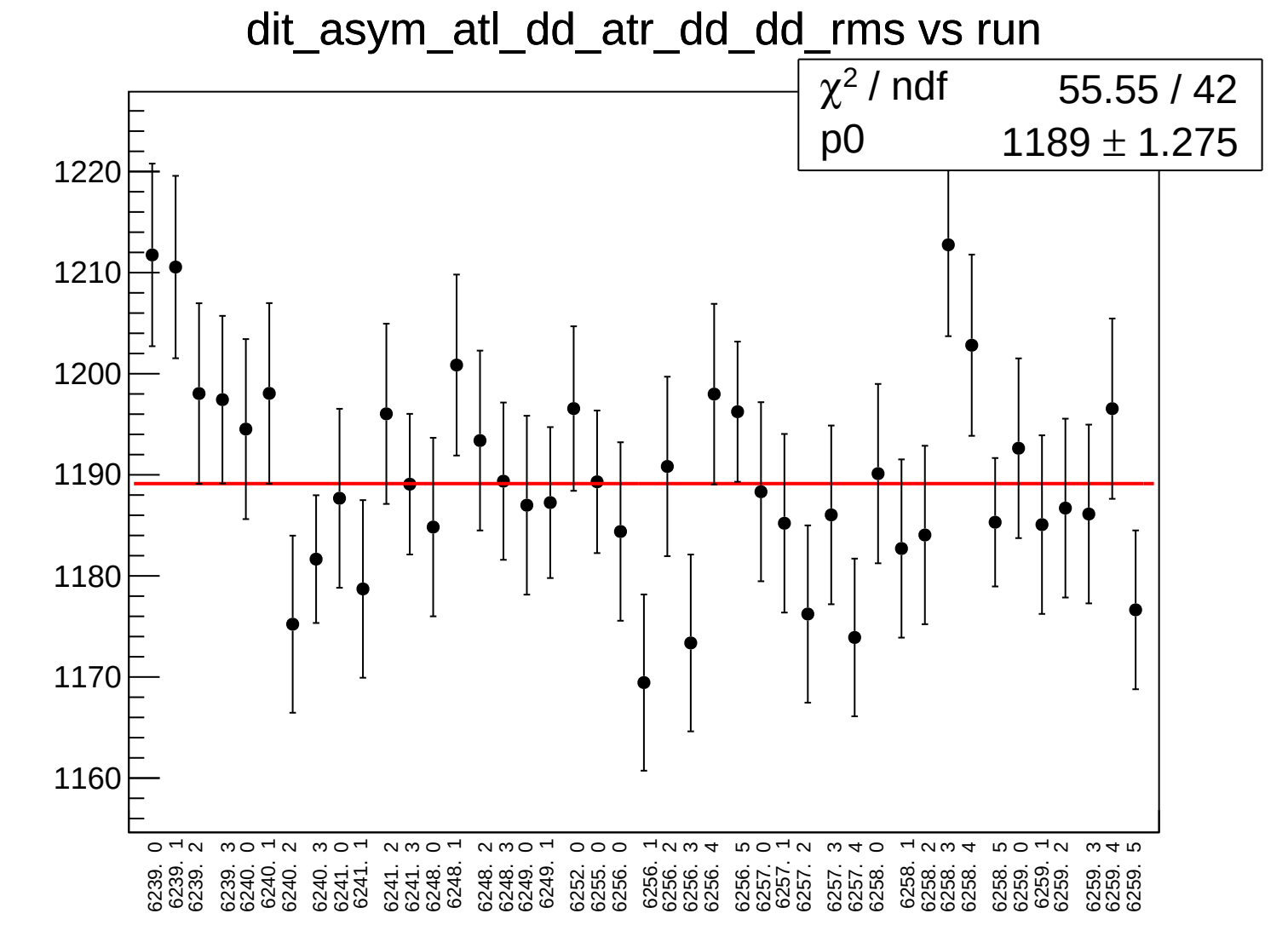

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.35 / 42
p0 1311 ± 1966
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.38
Std Dev 0
2
1
0
−1
−2
−3

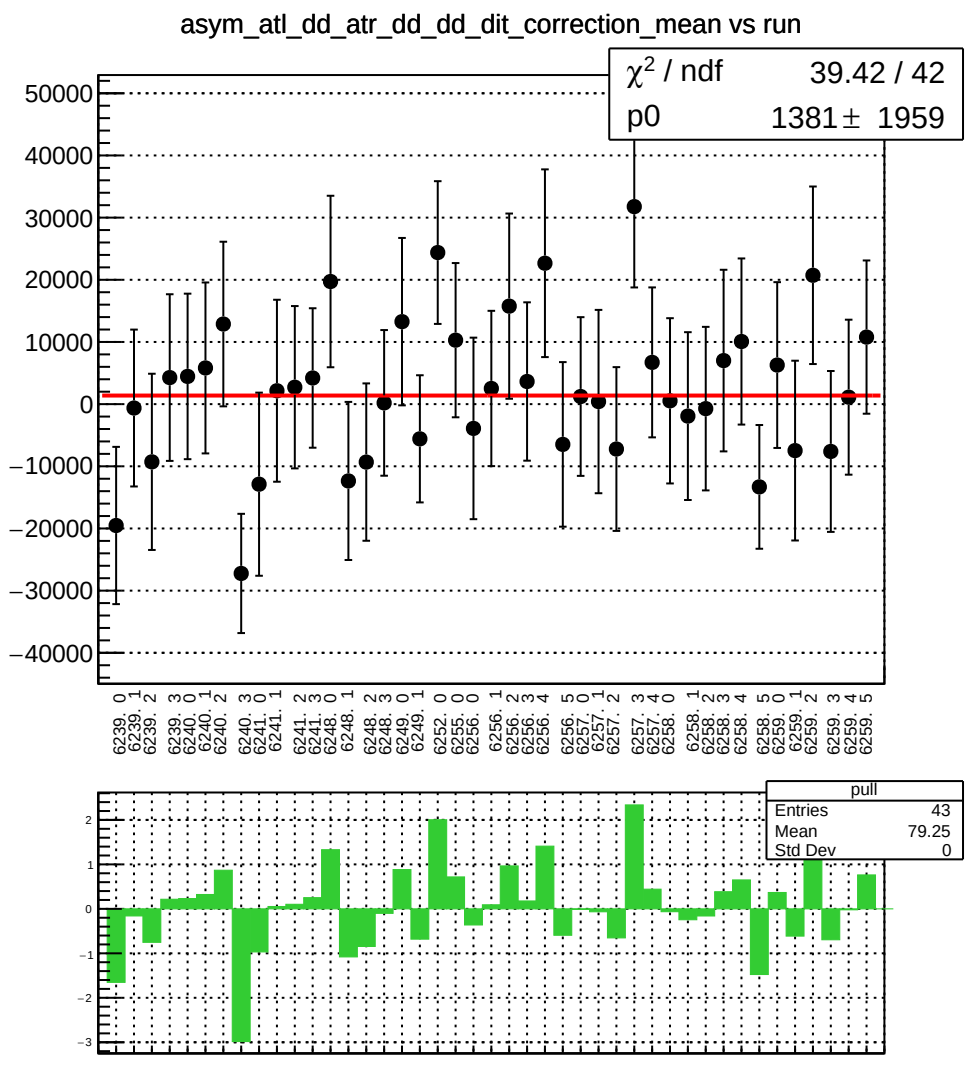

pull1D
Entries 43
Mean 0.03805
Std Dev 0.9559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

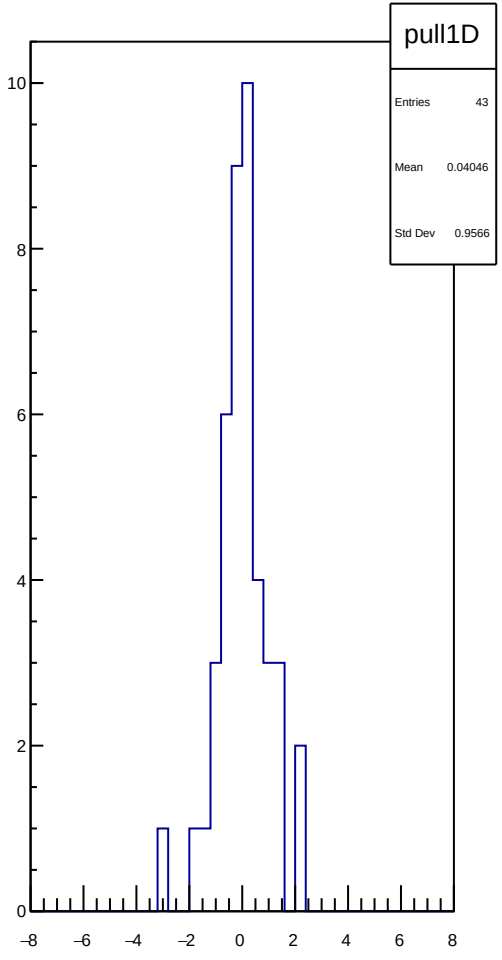

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4357 / 42
p0 1293 ± 1.39
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

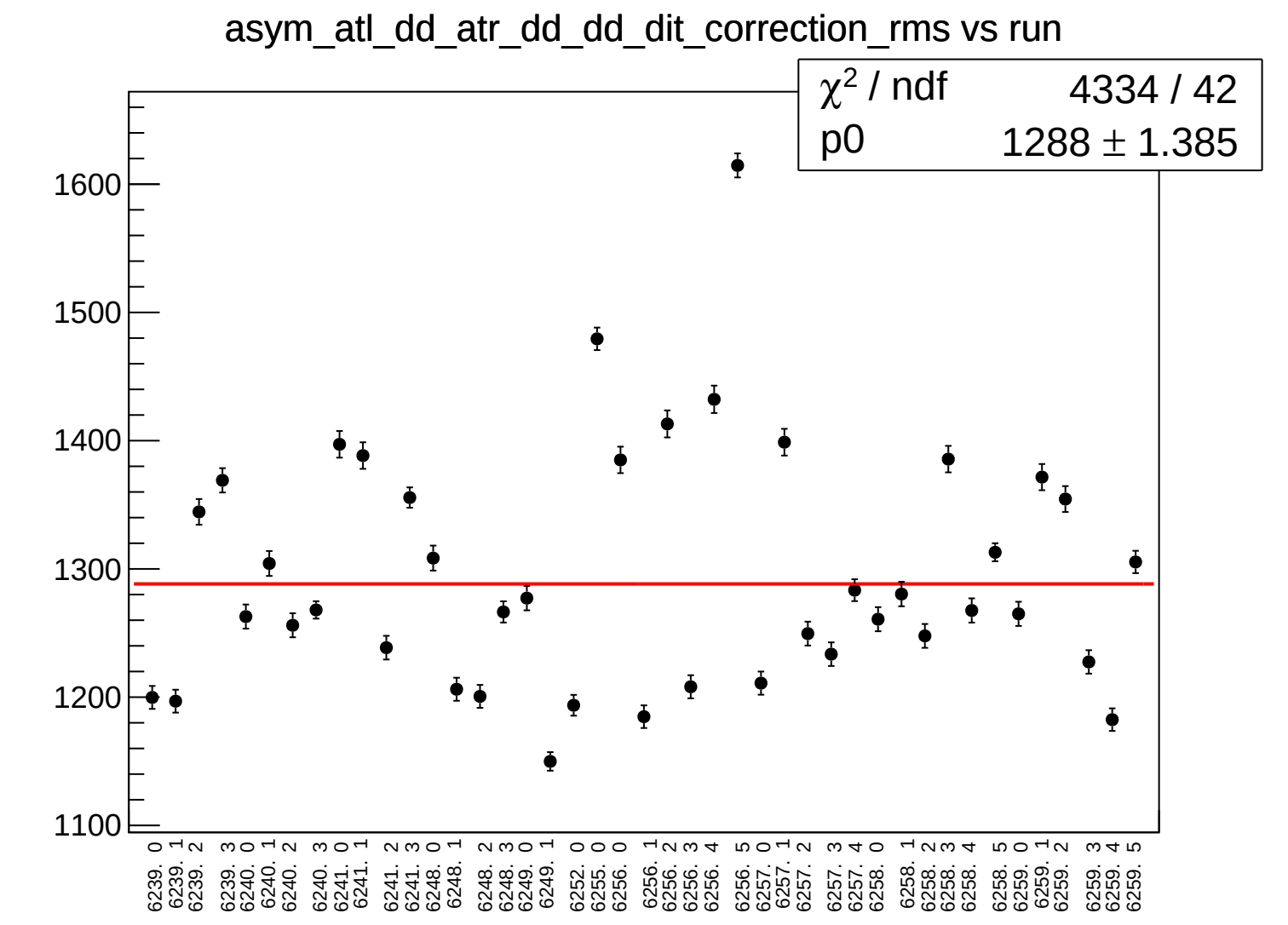

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.29 / 42
p0 −809.4 ± 1804
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.97
Std Dev 0
2
1
0
−1
−2

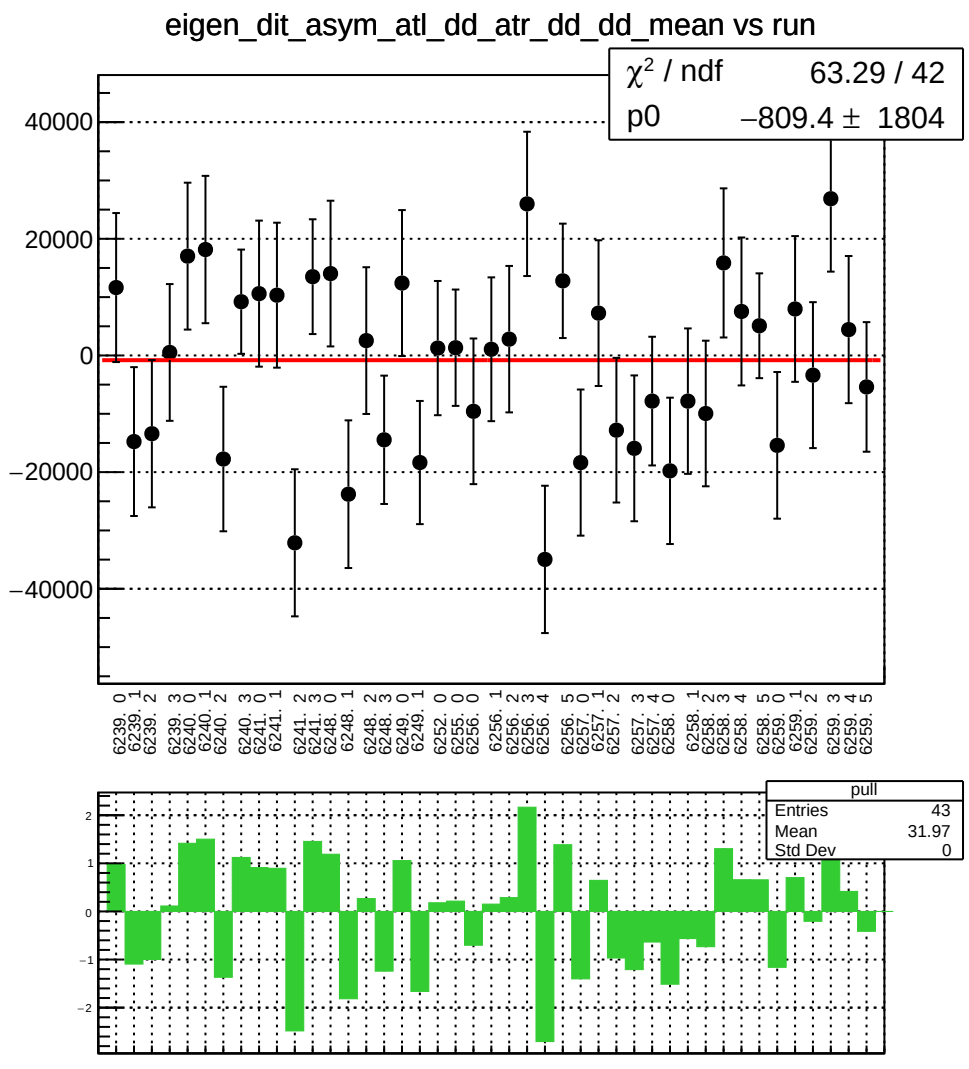

pull1D
Entries 43
Mean −0.02277
Std Dev 1.213
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

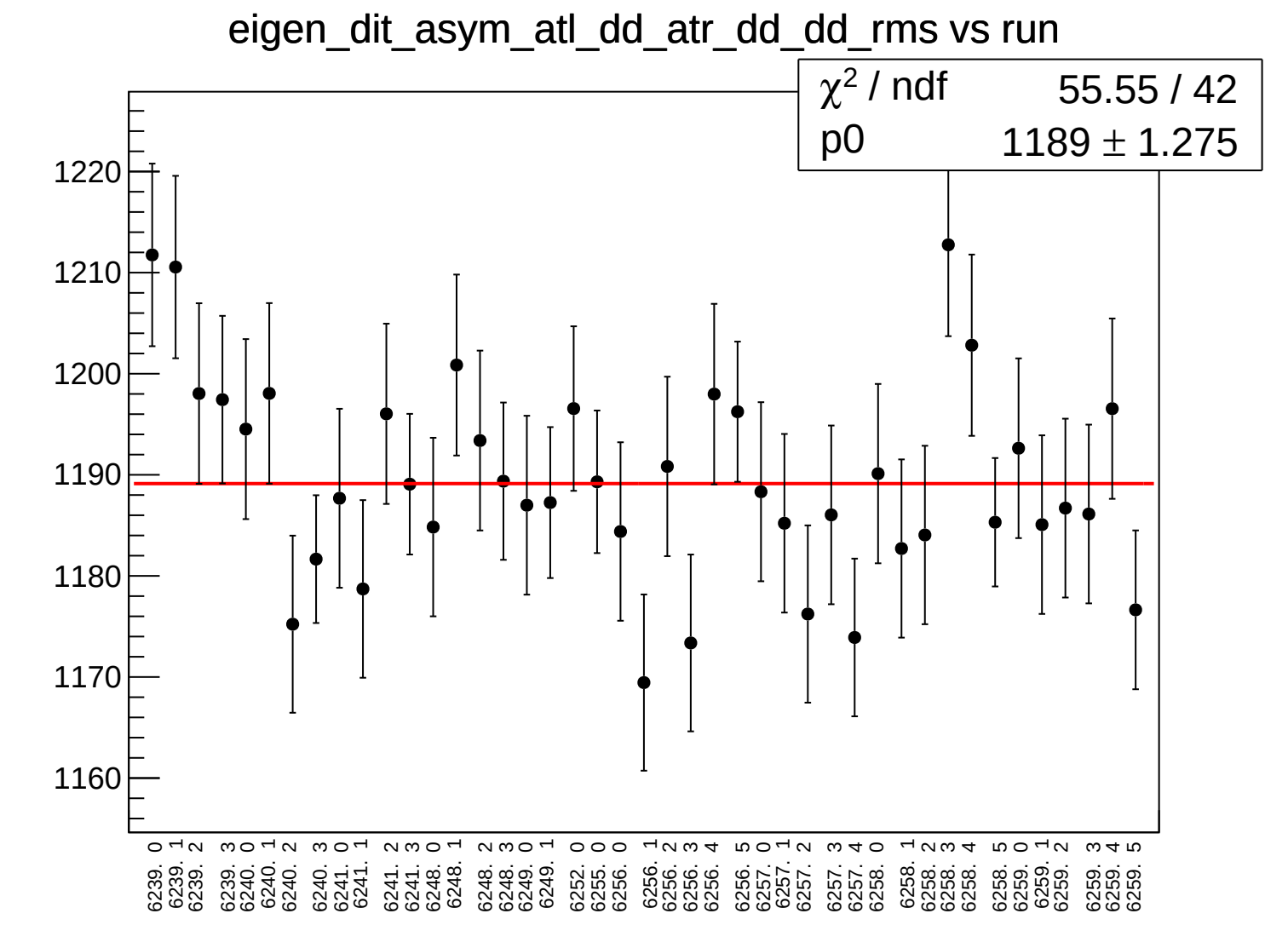

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 55.55 / 42
p0 1189 ± 1.275
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

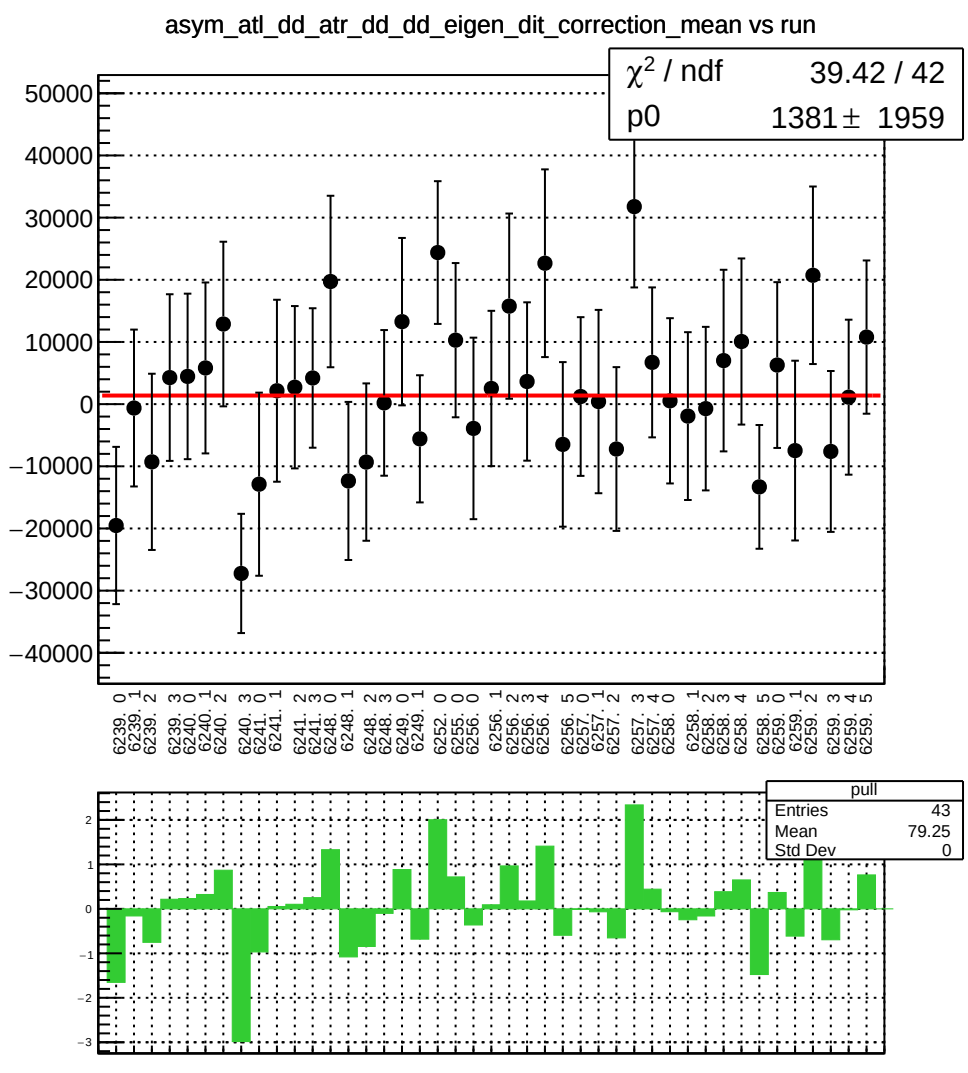

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 39.42 / 42
p0 1381 ± 1959
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.25
Std Dev 0
2
1
0
−1
−2
−3

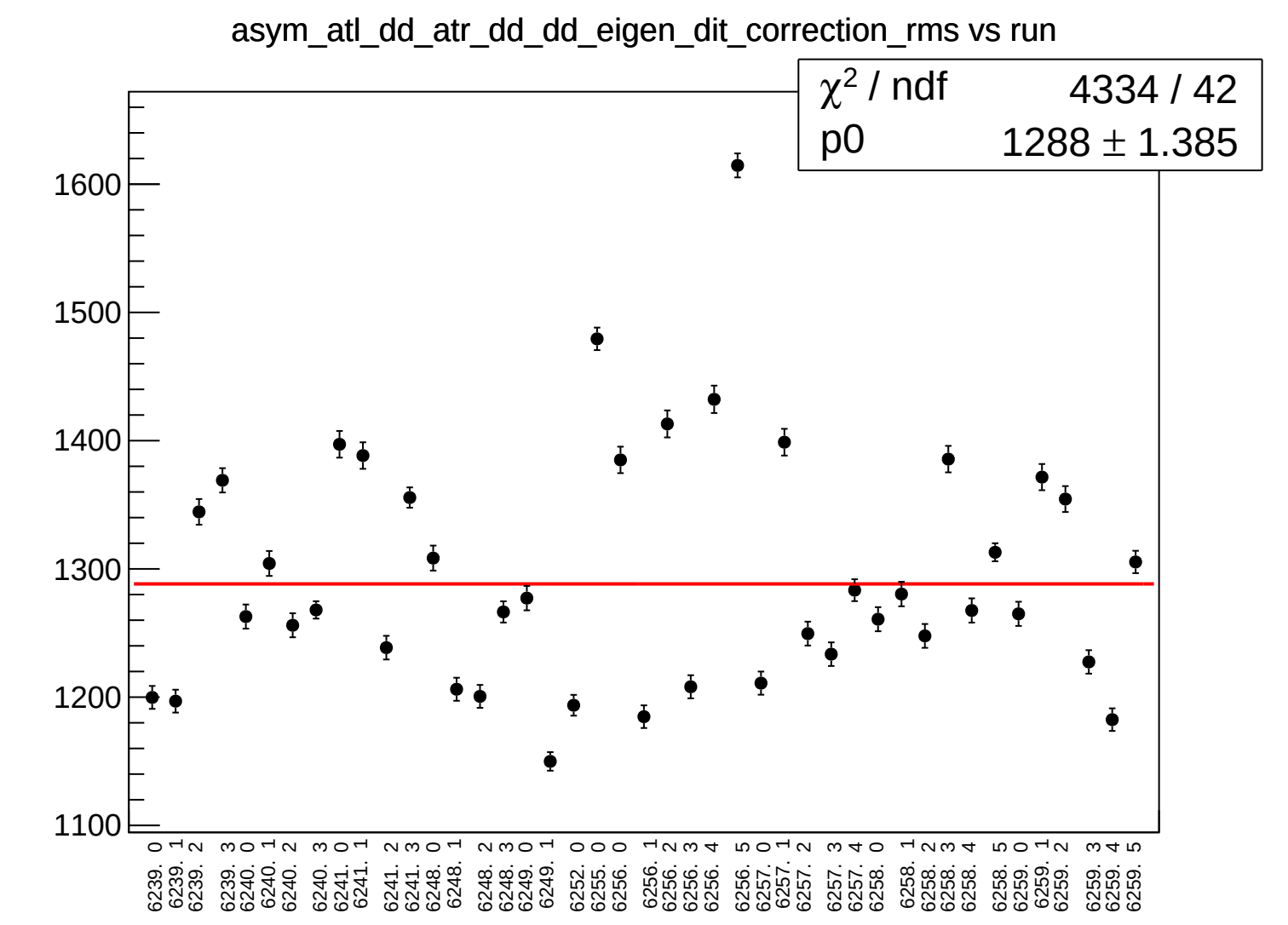

pull1D
Entries 43
Mean 0.04046
Std Dev 0.9566
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 4334 / 42
p0 1288 ± 1.385
1600
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.29 / 42
p0 −809.4 ± 1804
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.97
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02277
Std Dev 1.213
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 55.55 / 42
p0 1189 ± 1.275
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.42 / 42
p0 1381 ± 1959
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.25
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04046
Std Dev 0.9566
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4334 / 42
p0 1288 ± 1.385
1600
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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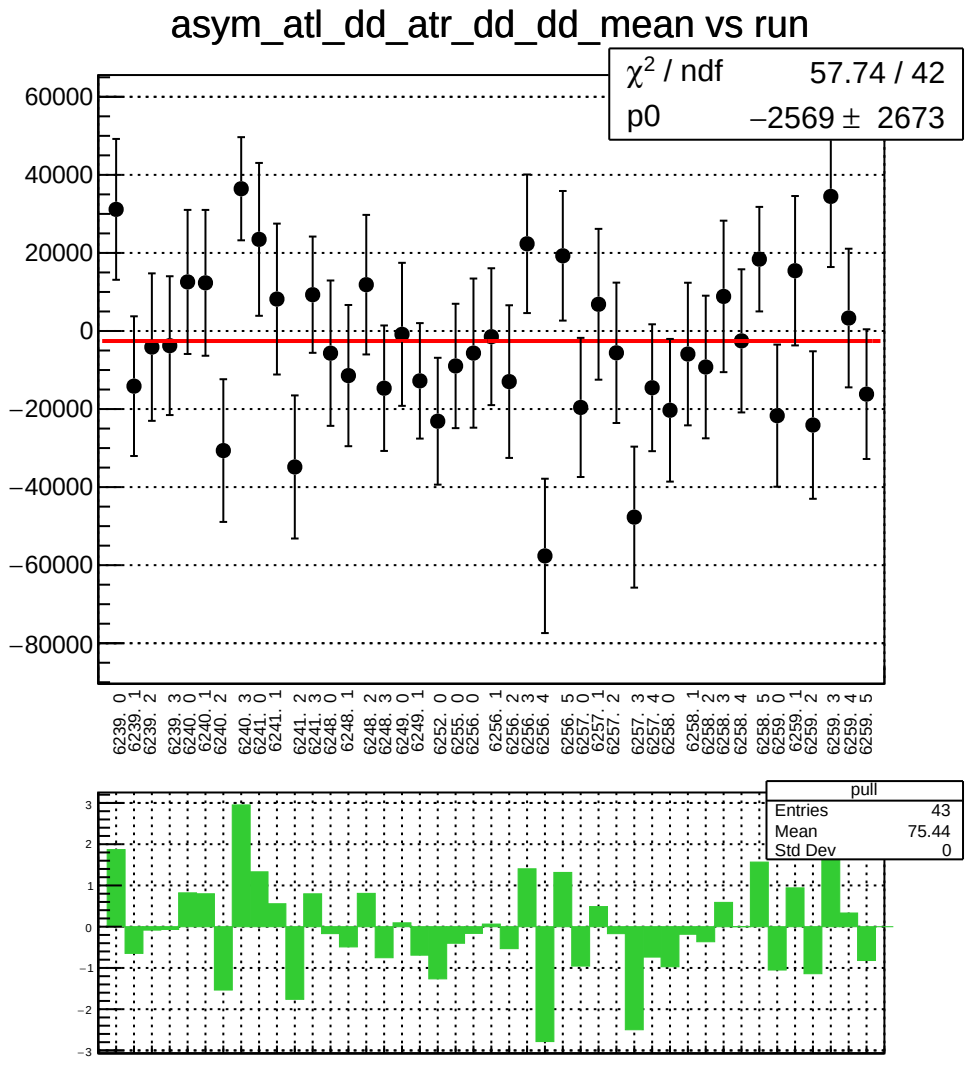
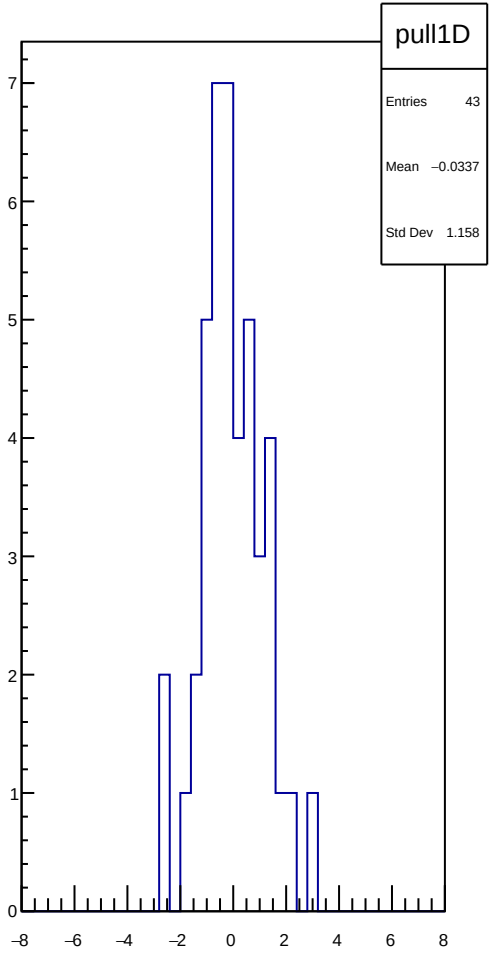
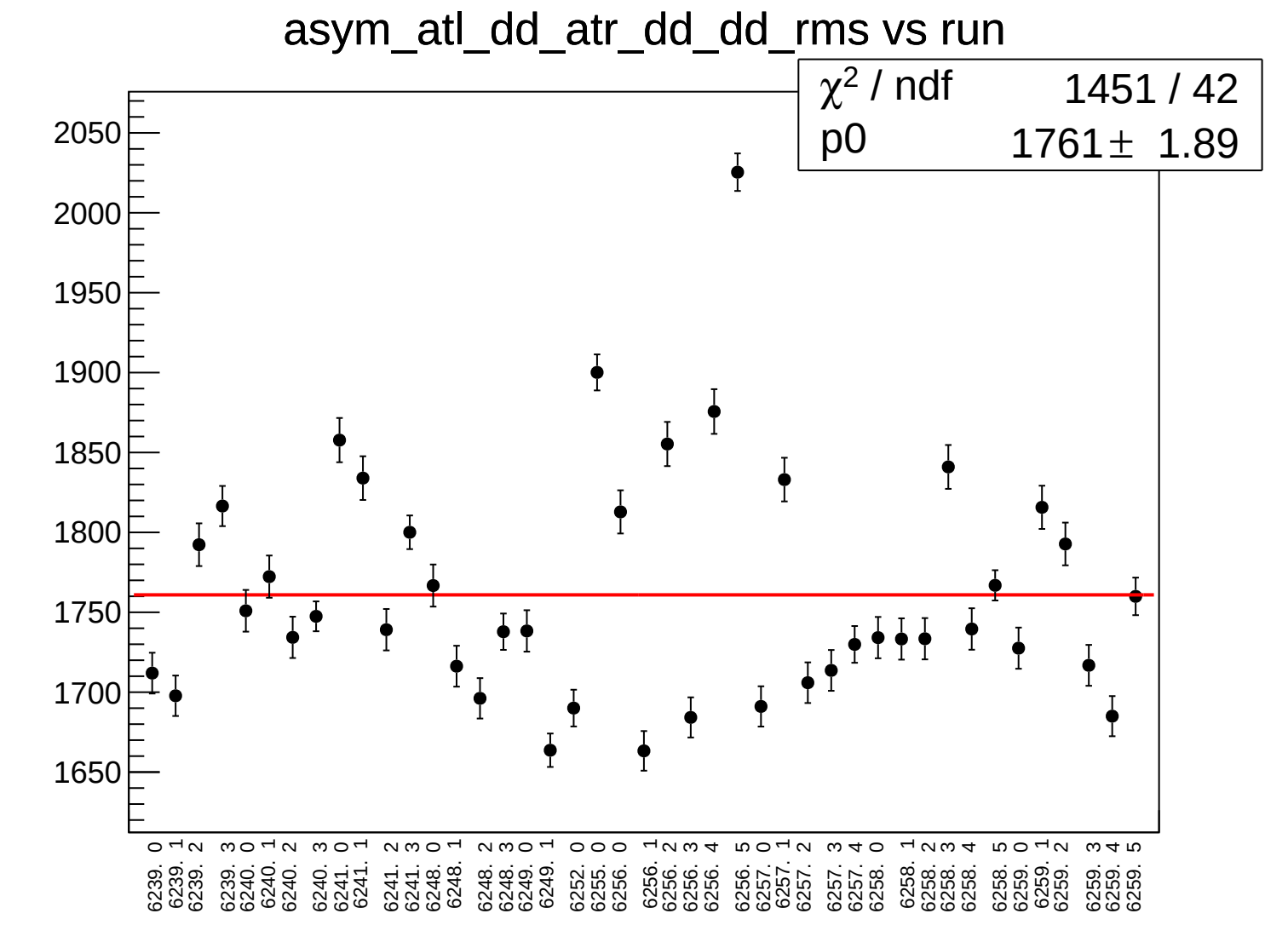
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 57.74 / 42
p0 −2569 ± 2673
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.44
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.0337
Std Dev 1.158
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1451 / 42
p0 1761 ± 1.89
2050
2000
1950
1900
1850
1800
1750
1700
1650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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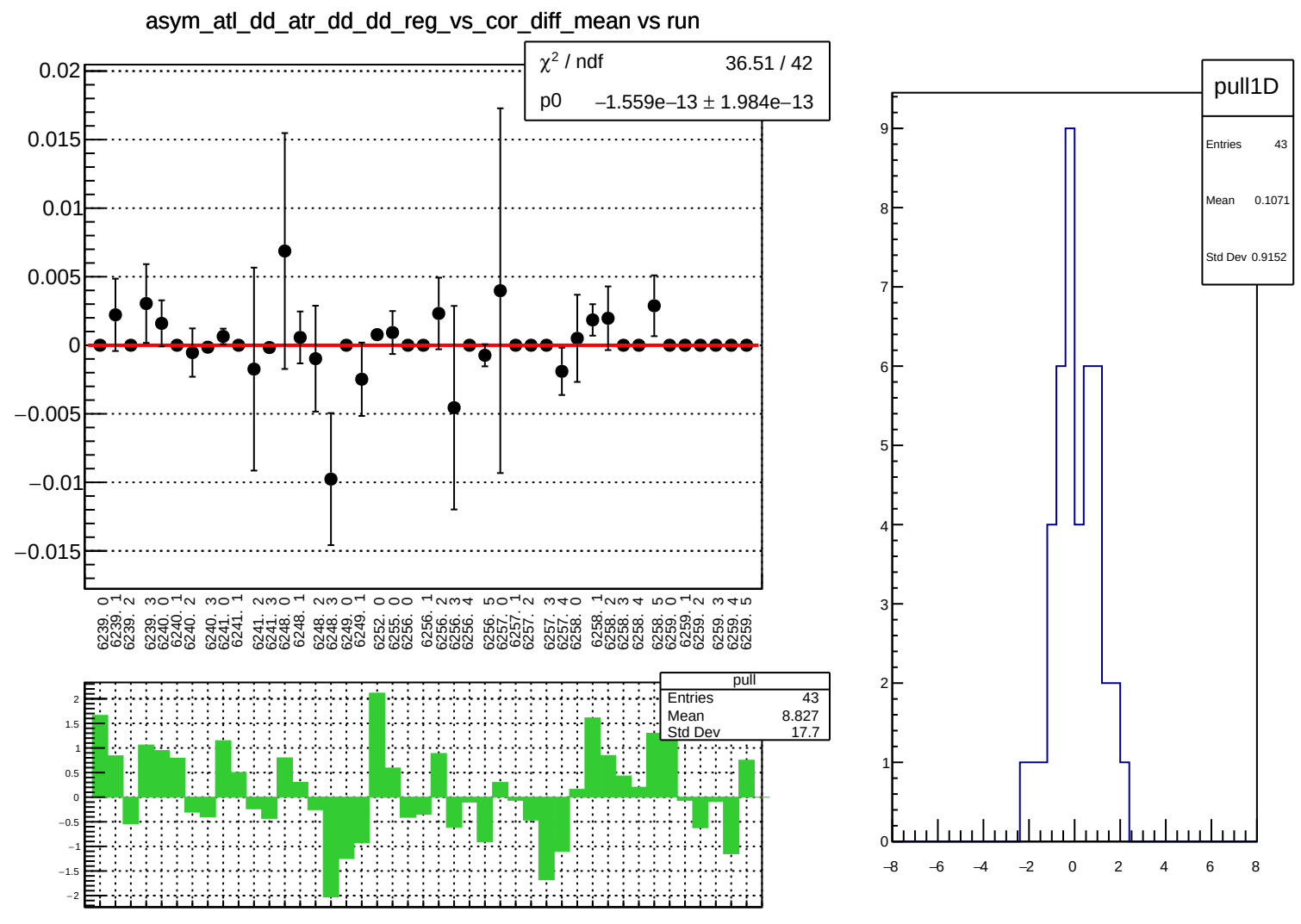
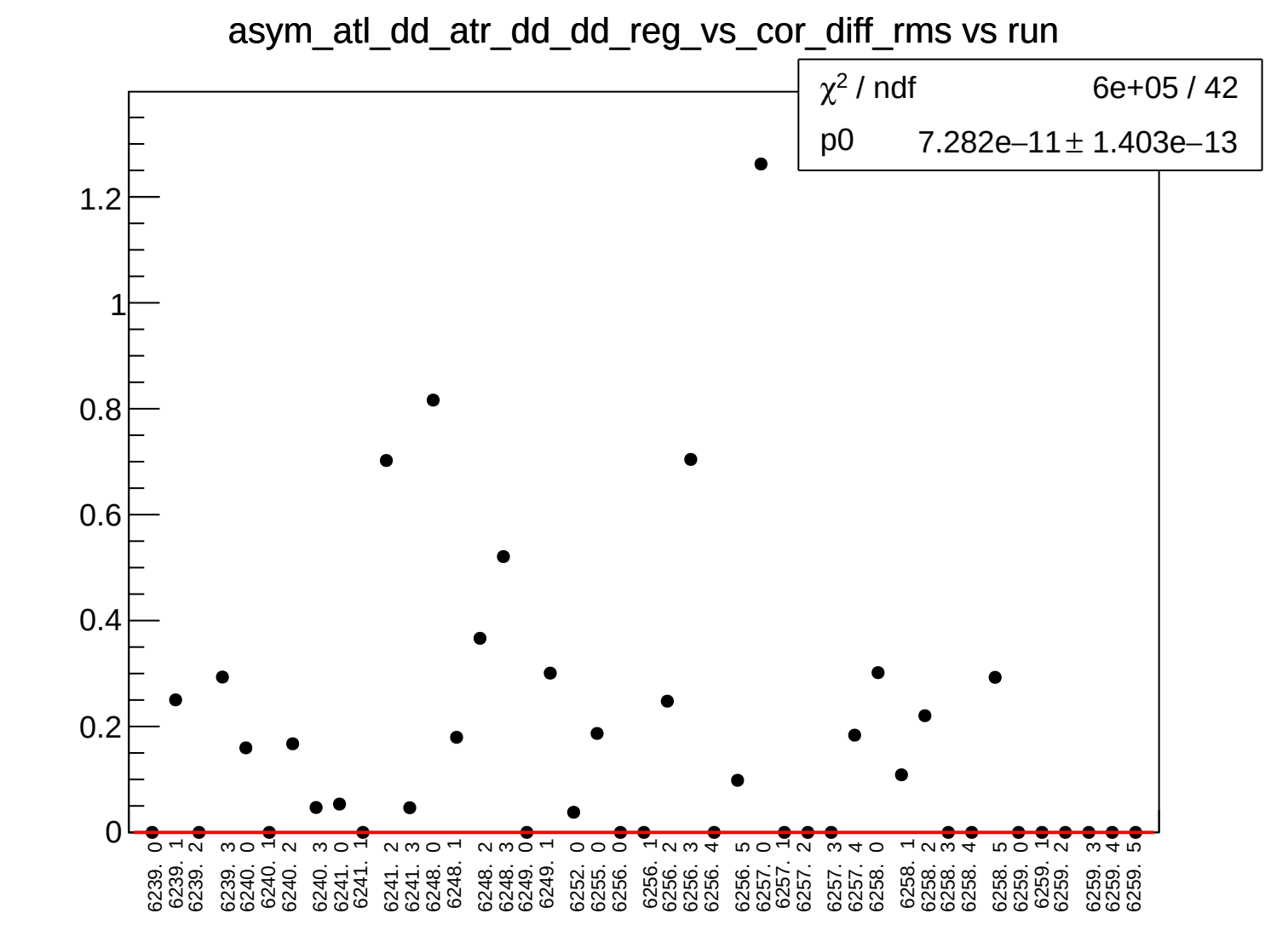
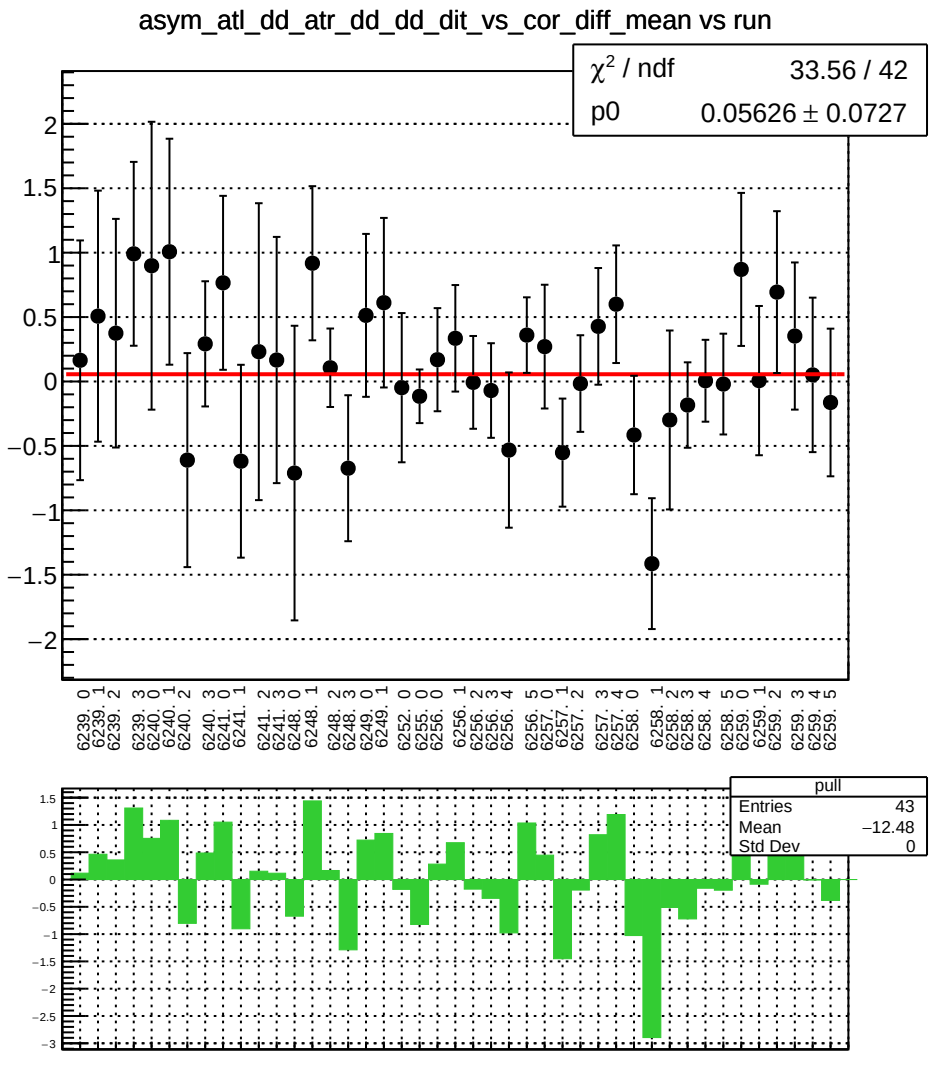
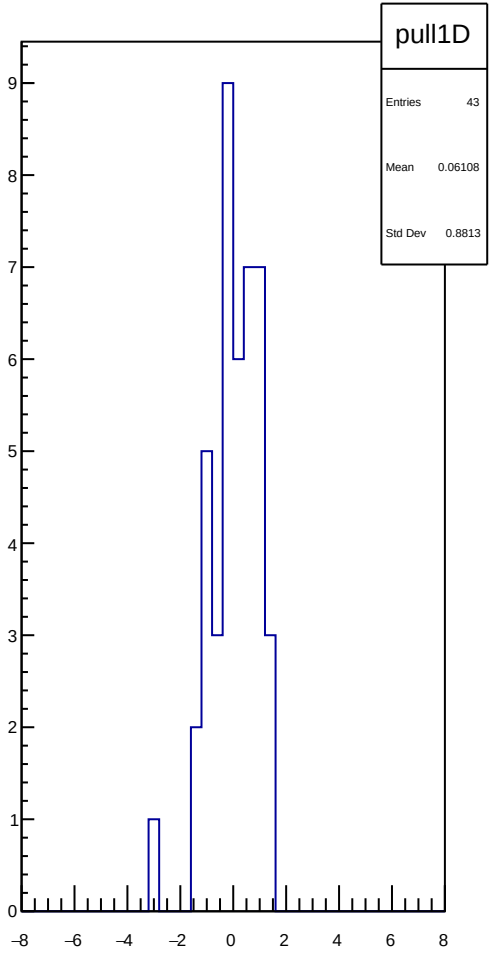
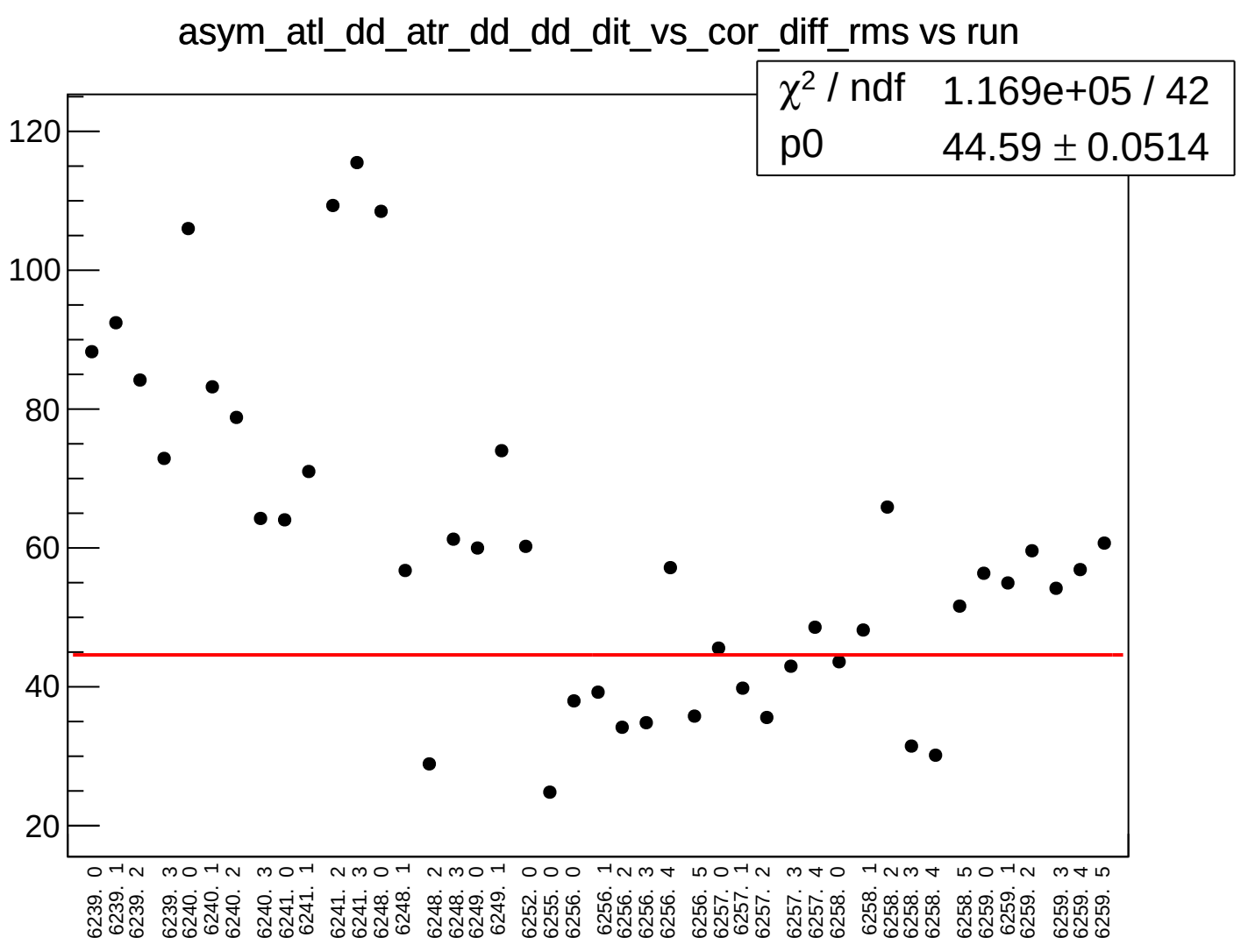
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

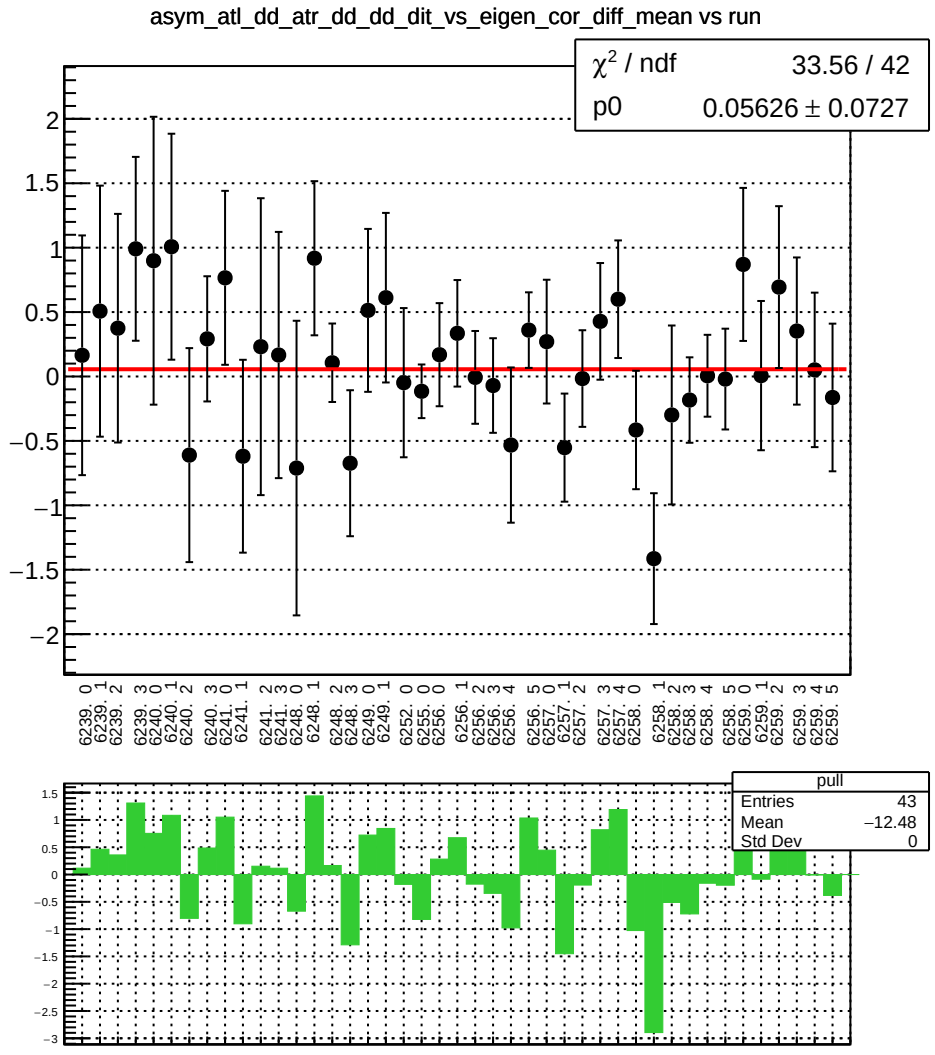

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 36.51 / 42
p0 −1.559e−13 ± 1.984e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.827
Std Dev 17.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1071
Std Dev 0.9152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

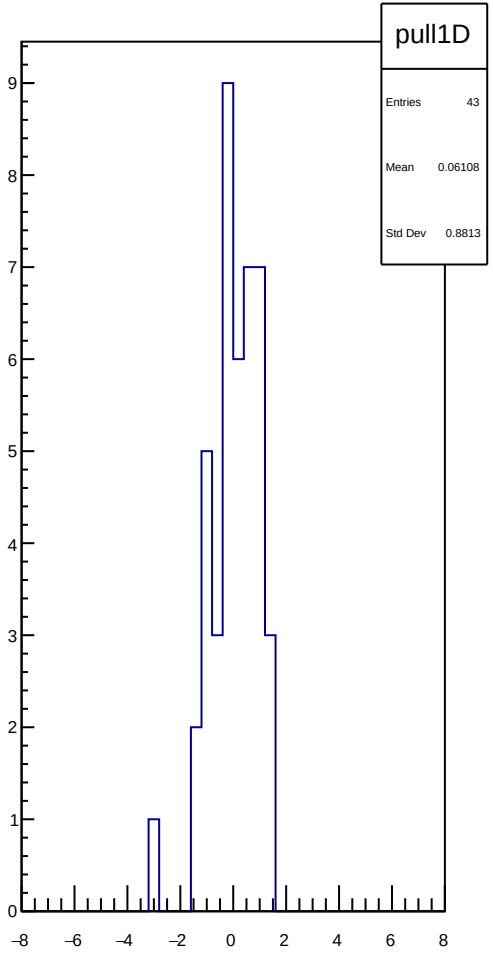

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6e+05 / 42
p0 7.282e−11 ± 1.403e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

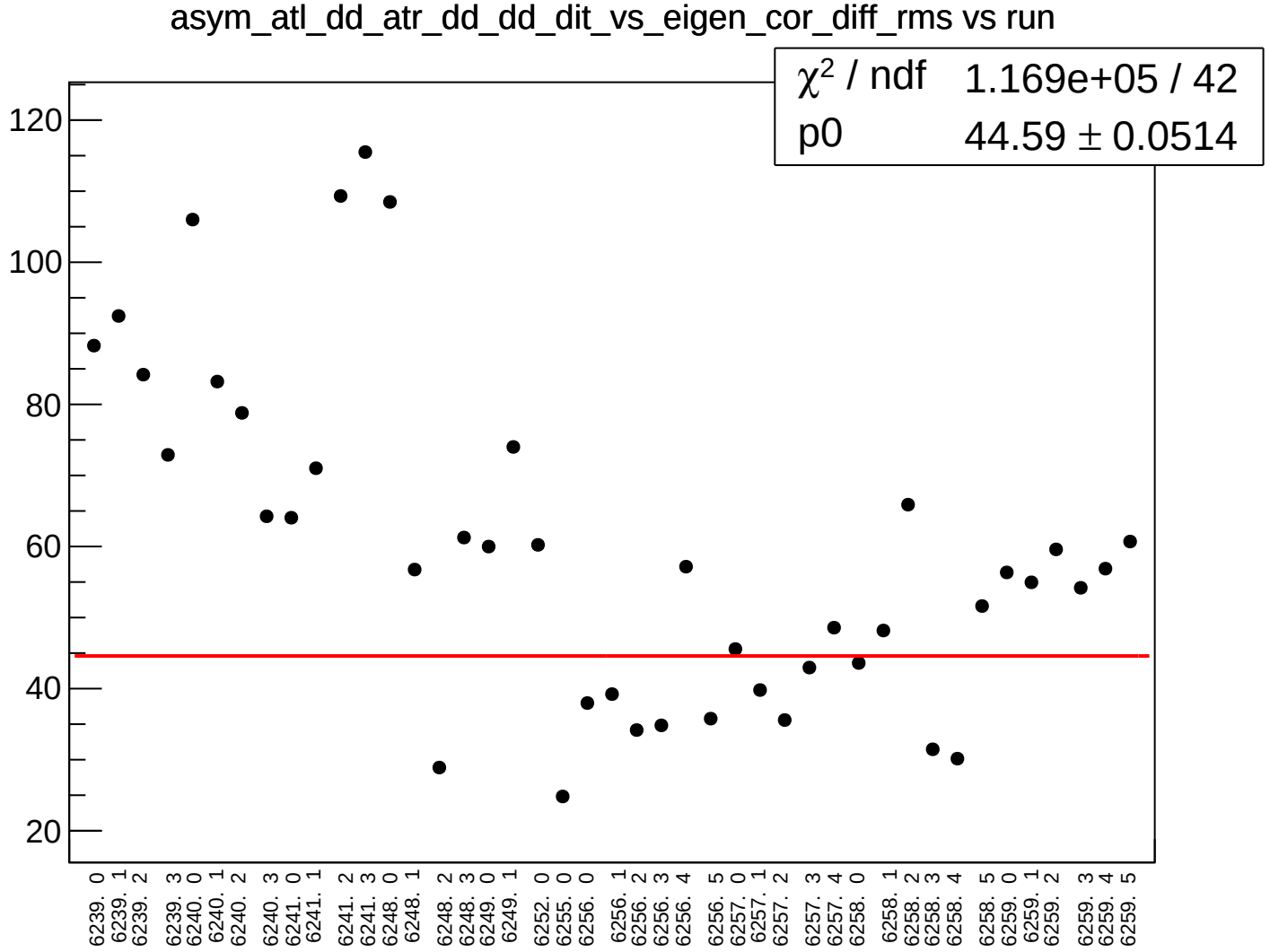

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05626 ± 0.0727
pull
Entries 43
Mean −12.48
Std Dev 0

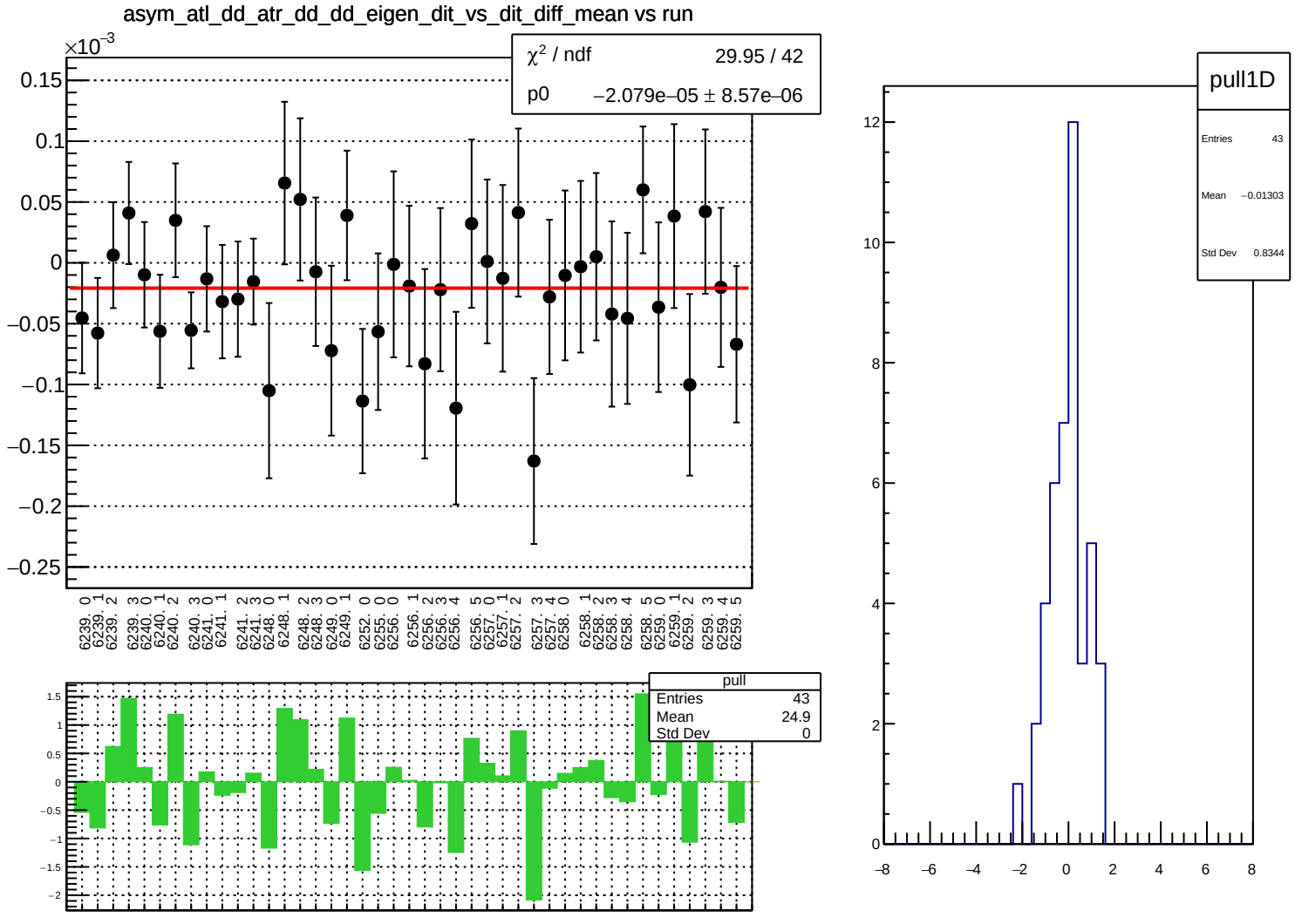

pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

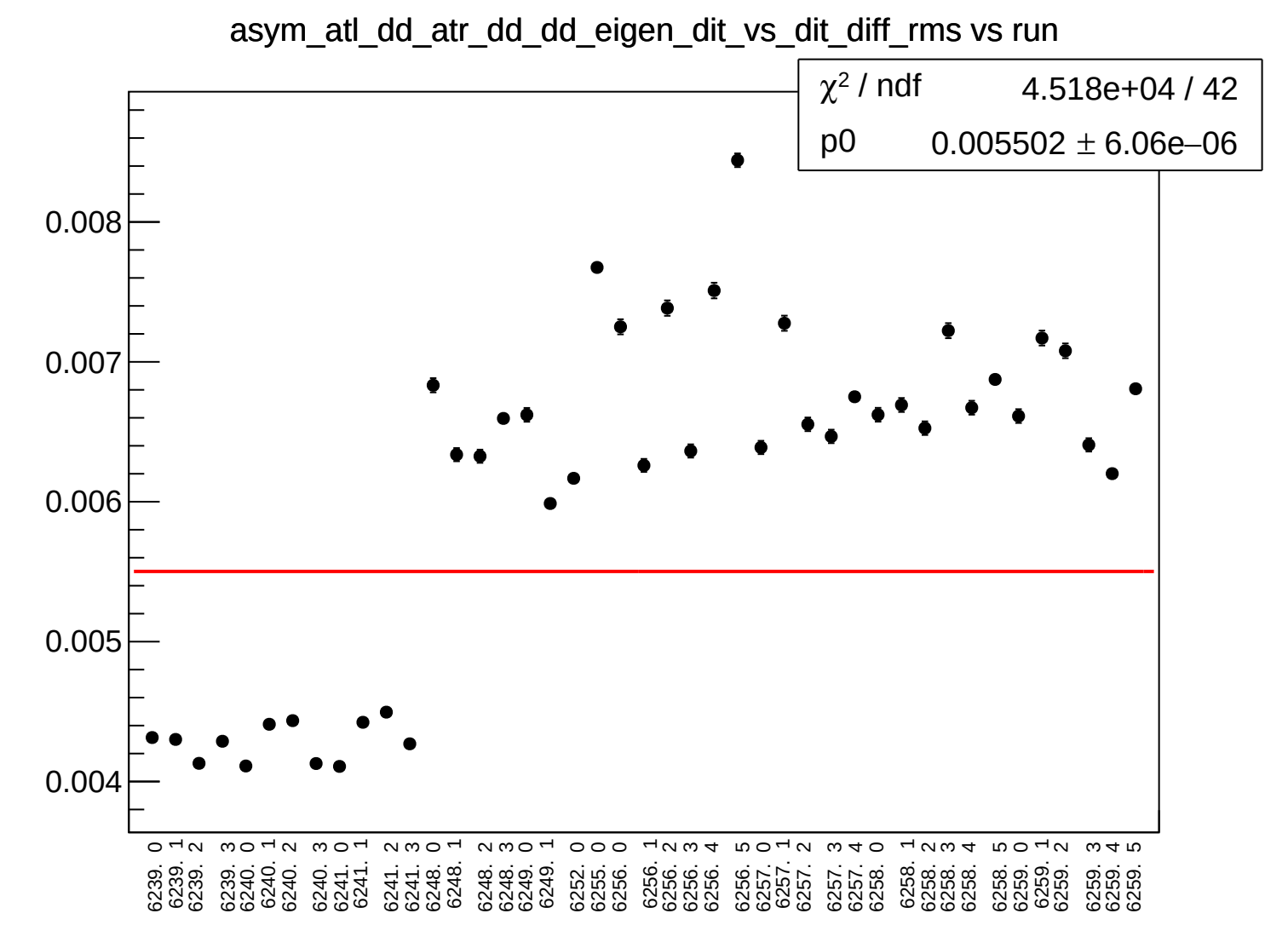

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.0514
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

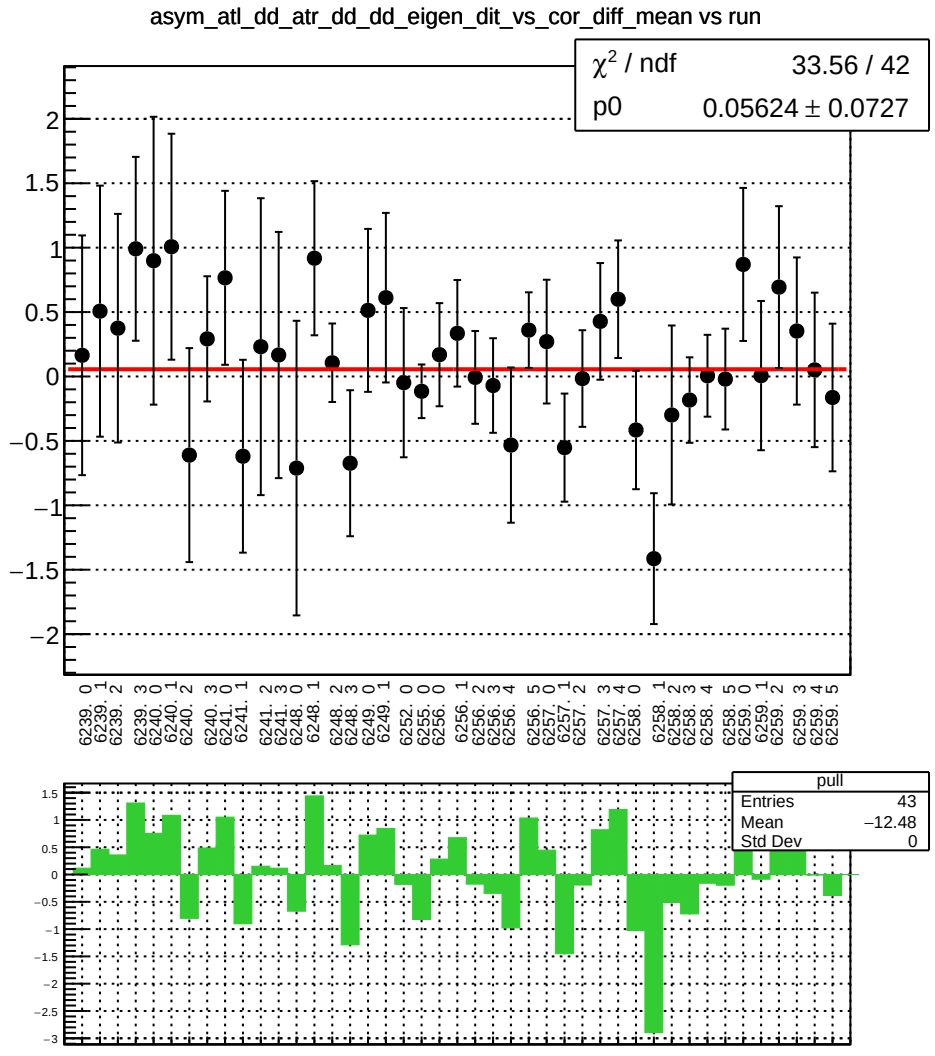

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05626 ± 0.0727
pull
Entries 43
Mean −12.48
Std Dev 0

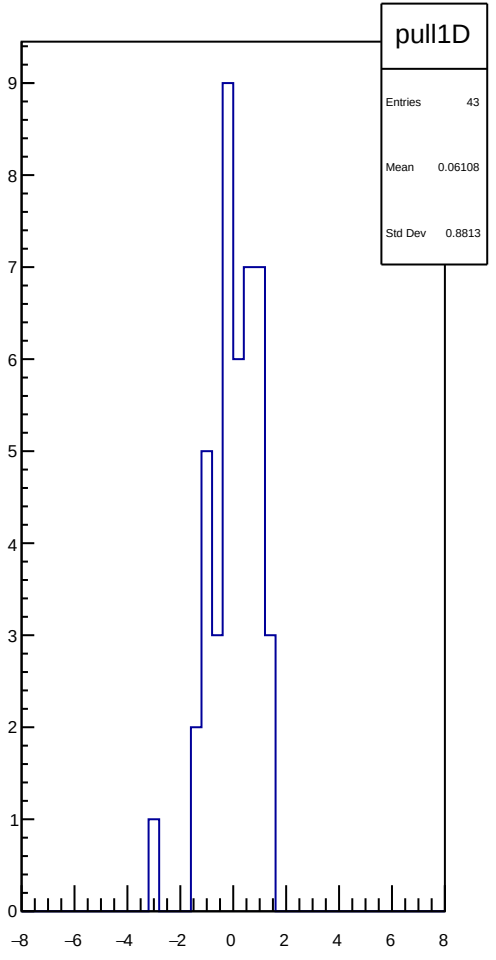

pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

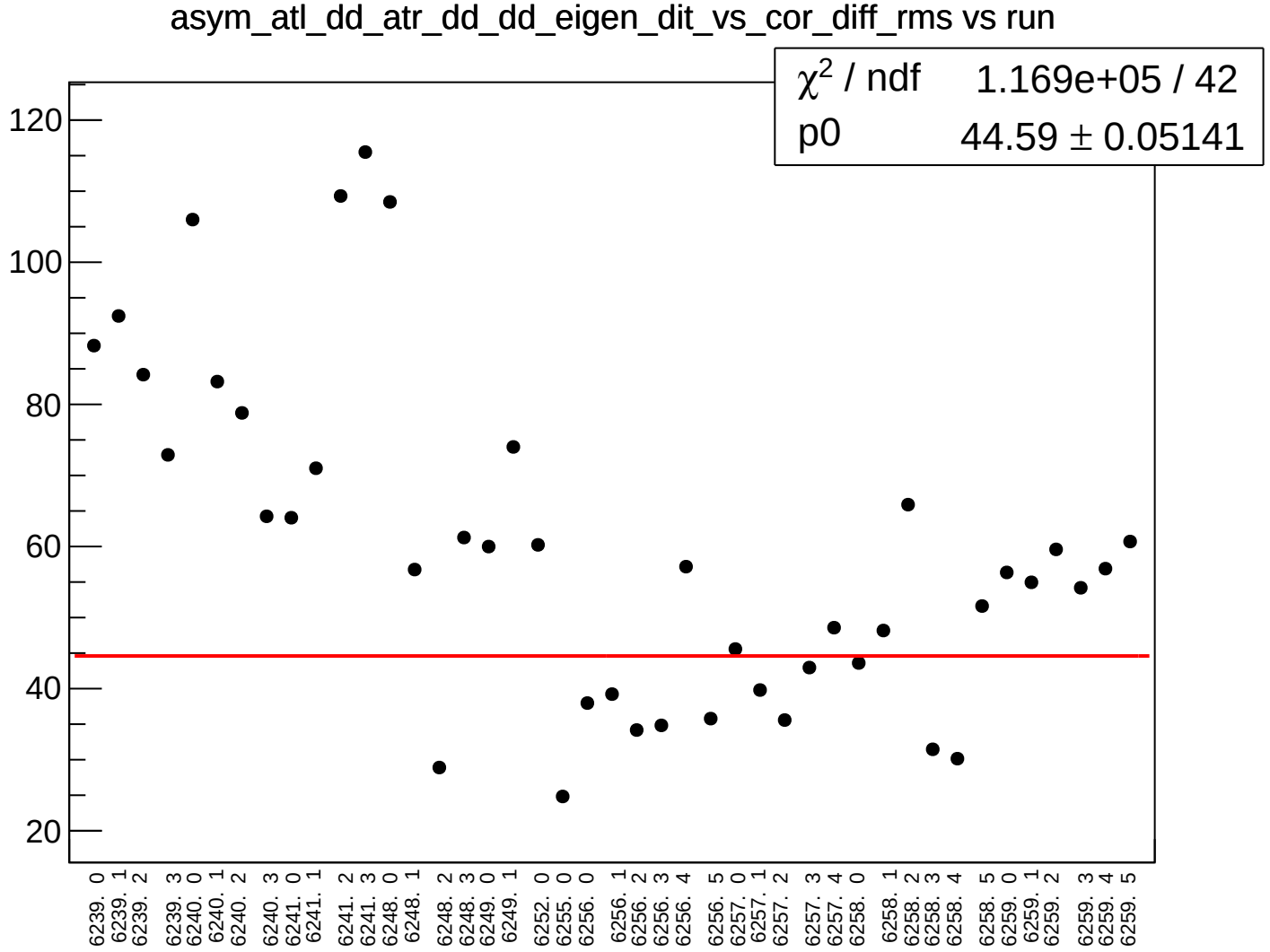

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.0514
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

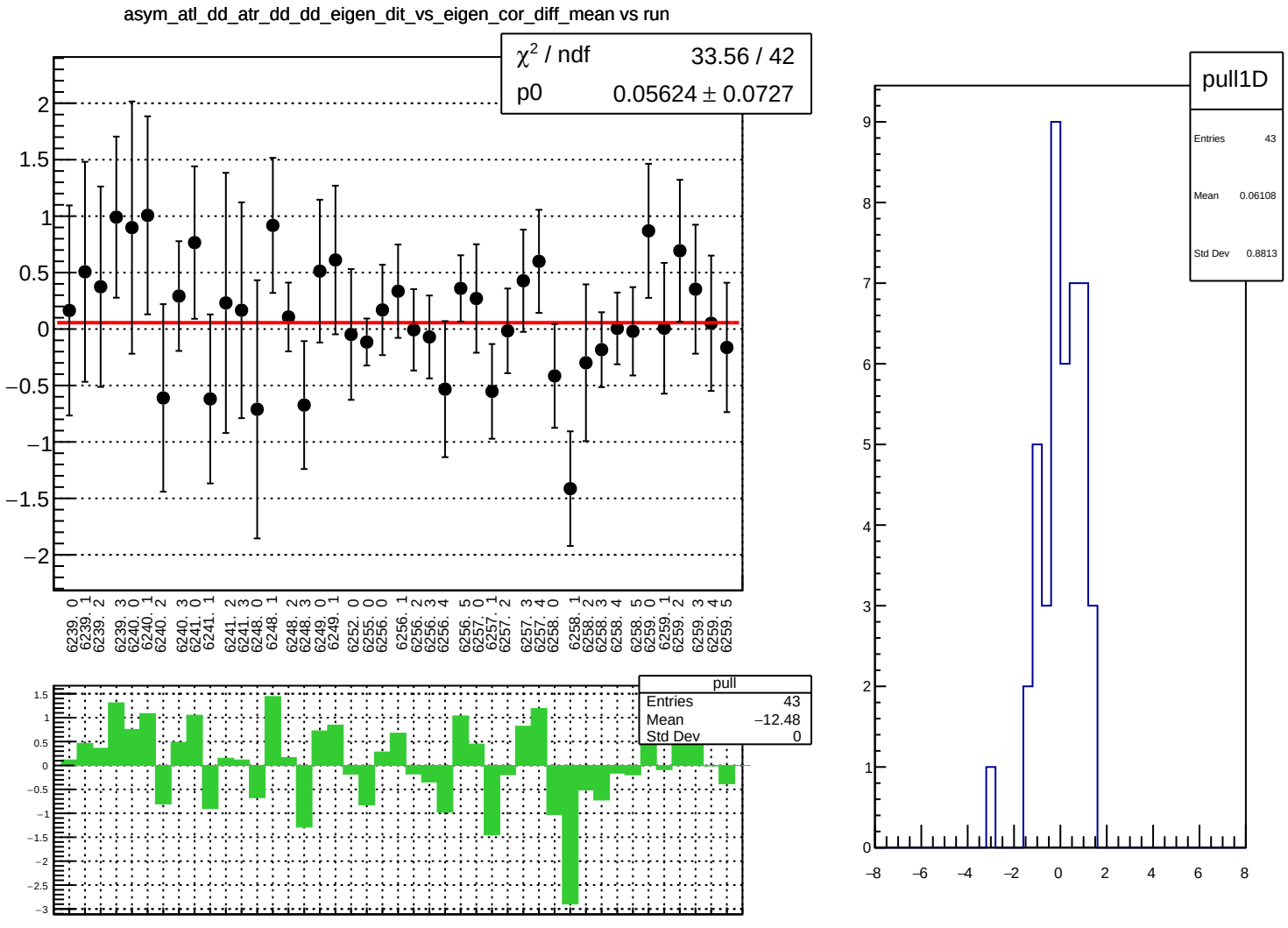

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.95 / 42
p0 −2.079e−05 ± 8.57e−06
pull
Entries 43
Mean 24.9
Std Dev 0
pull1D
Entries 43
Mean −0.01303
Std Dev 0.8344

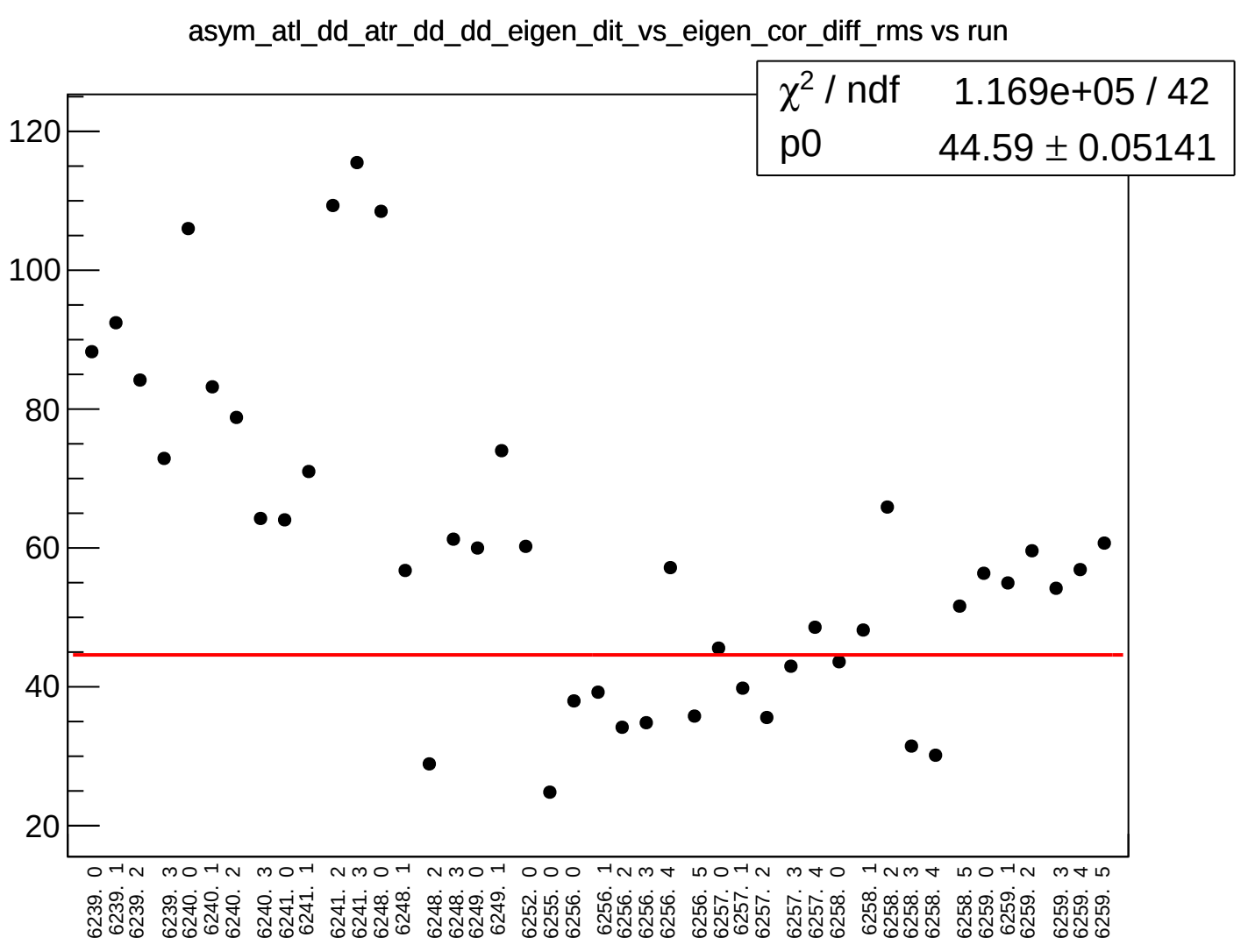

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.518e+04 / 42
p0 0.005502 ± 6.06e−06
0.008
0.007
0.006
0.005
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05624 ± 0.0727
pull
Entries 43
Mean −12.48
Std Dev 0

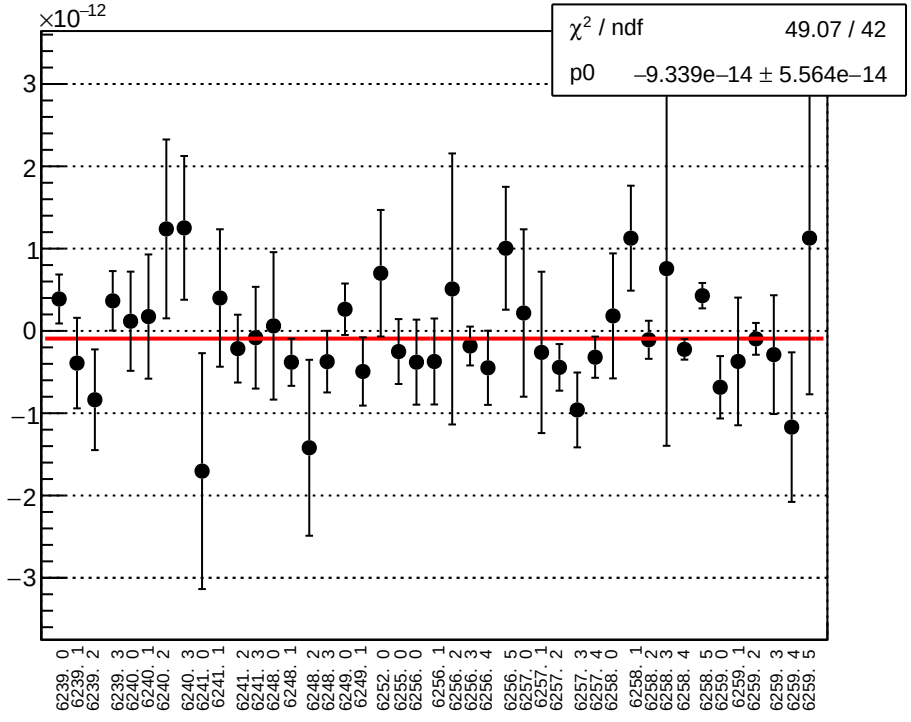

pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

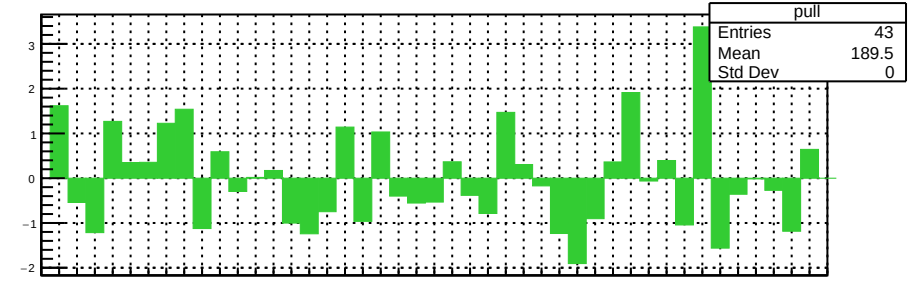

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.05141
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

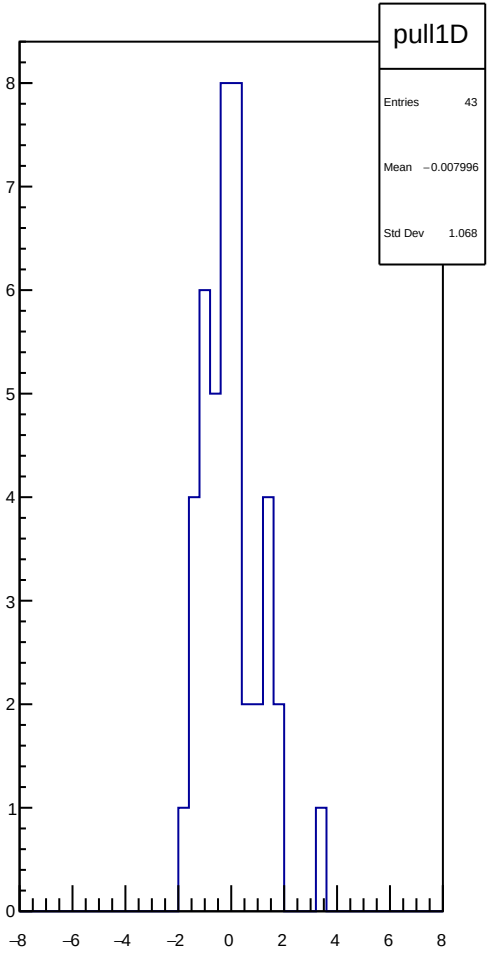

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05624 ± 0.0727
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −12.48
Std Dev 0
pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

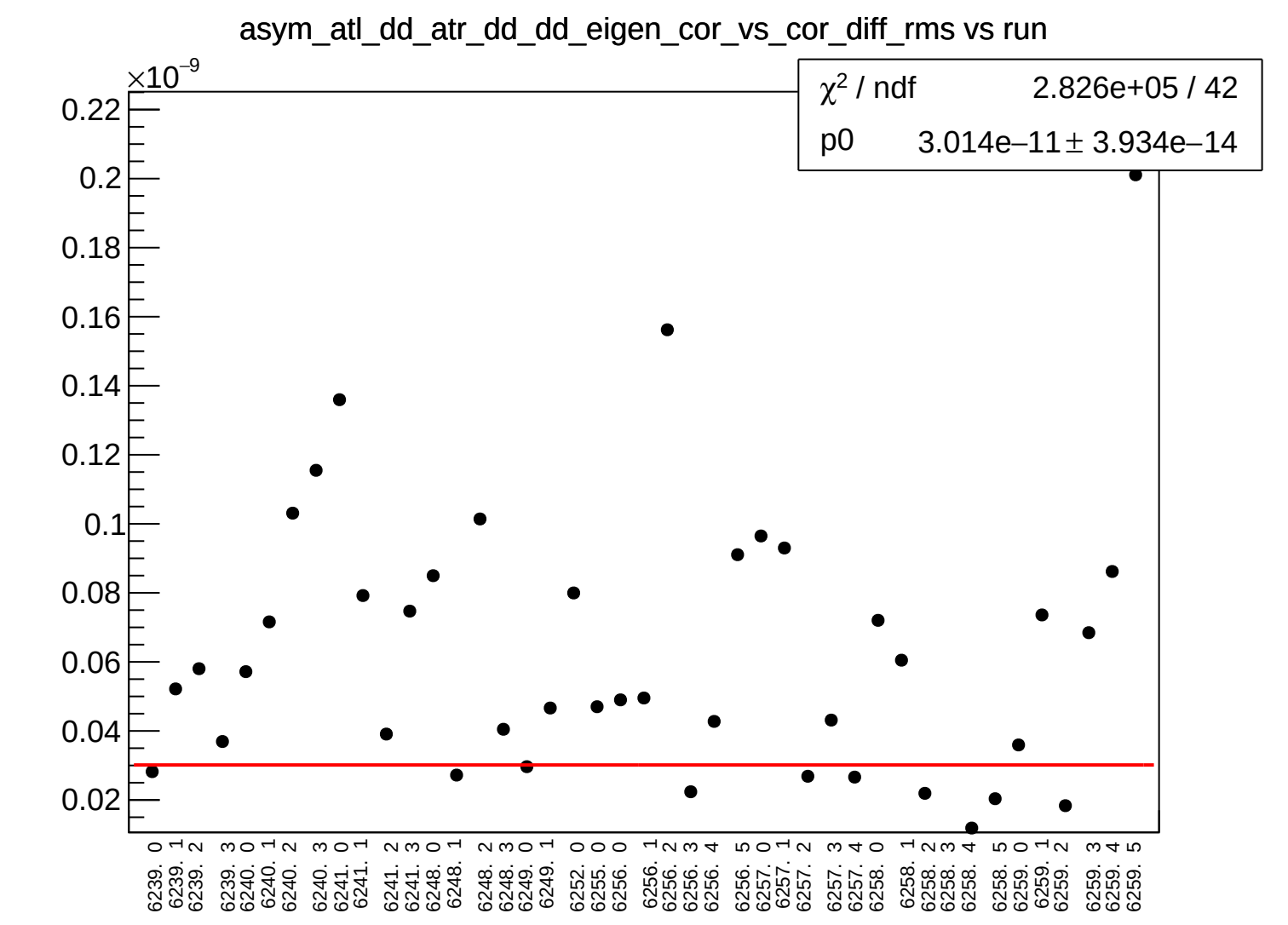

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.05141
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

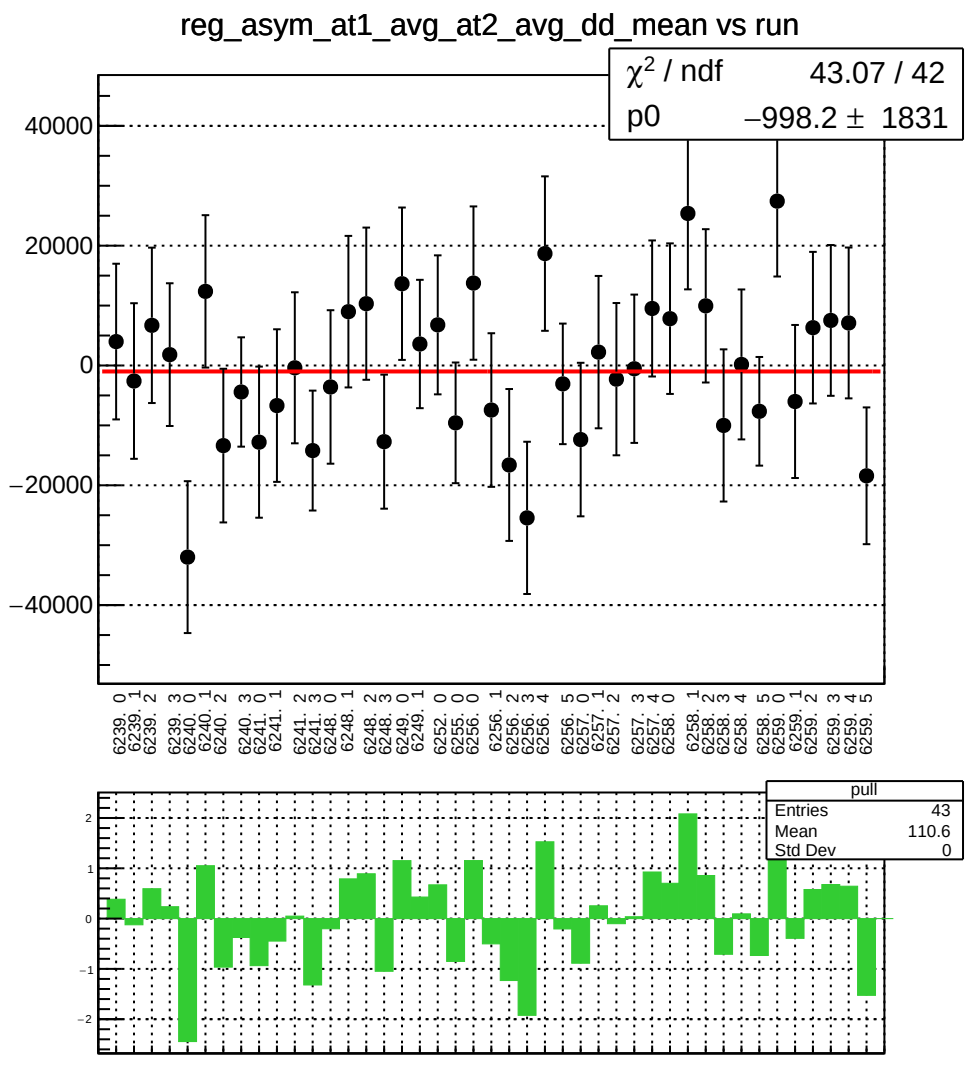
asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run

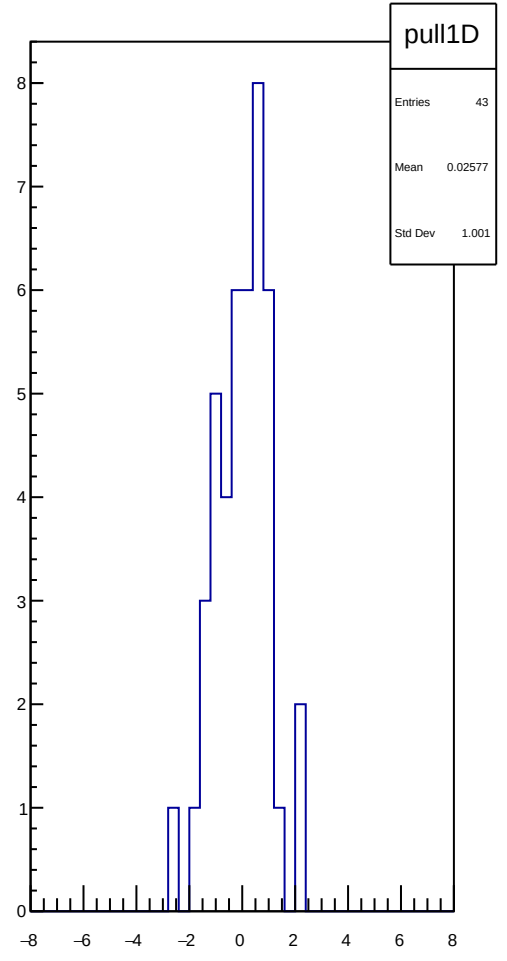


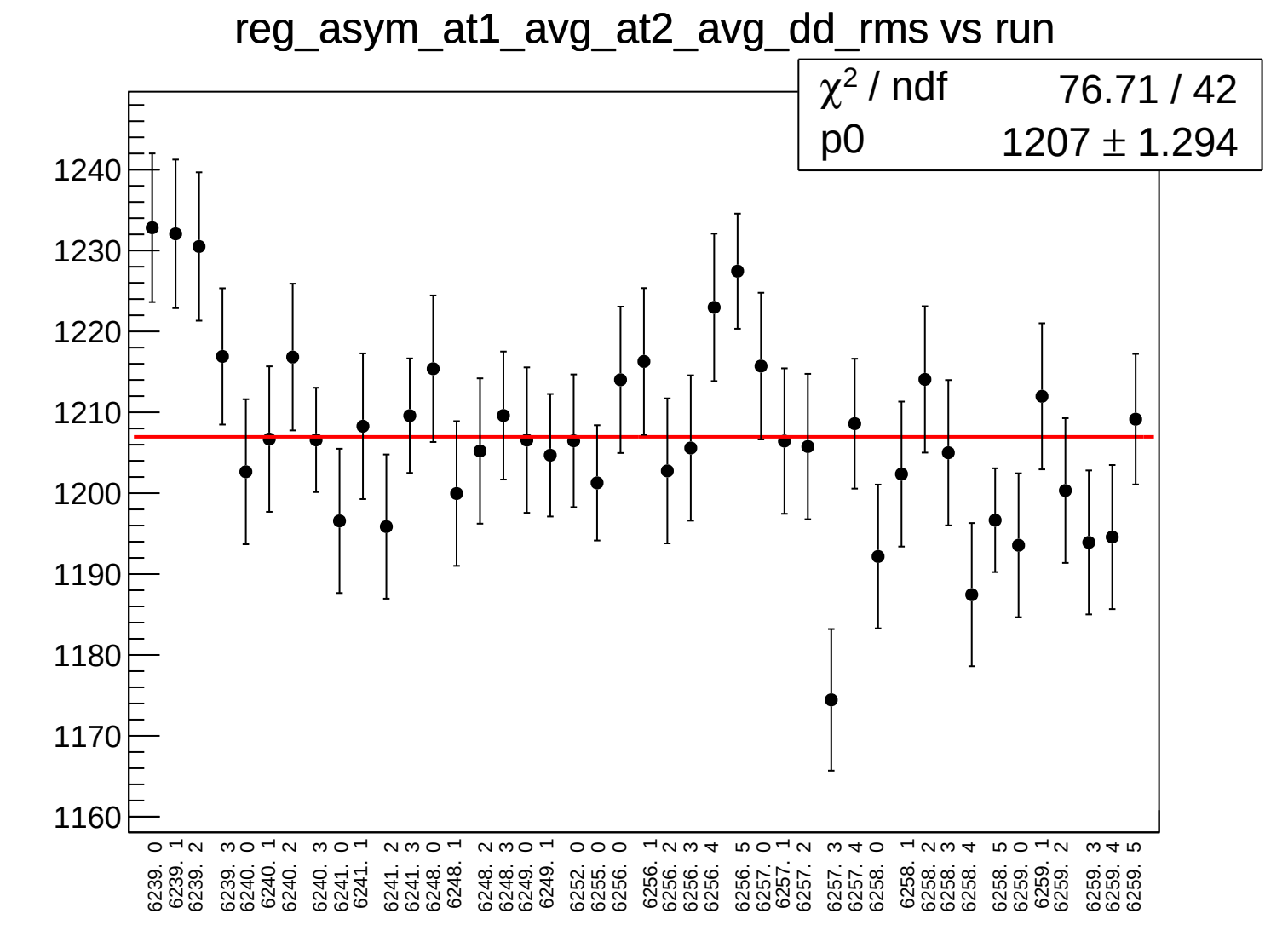



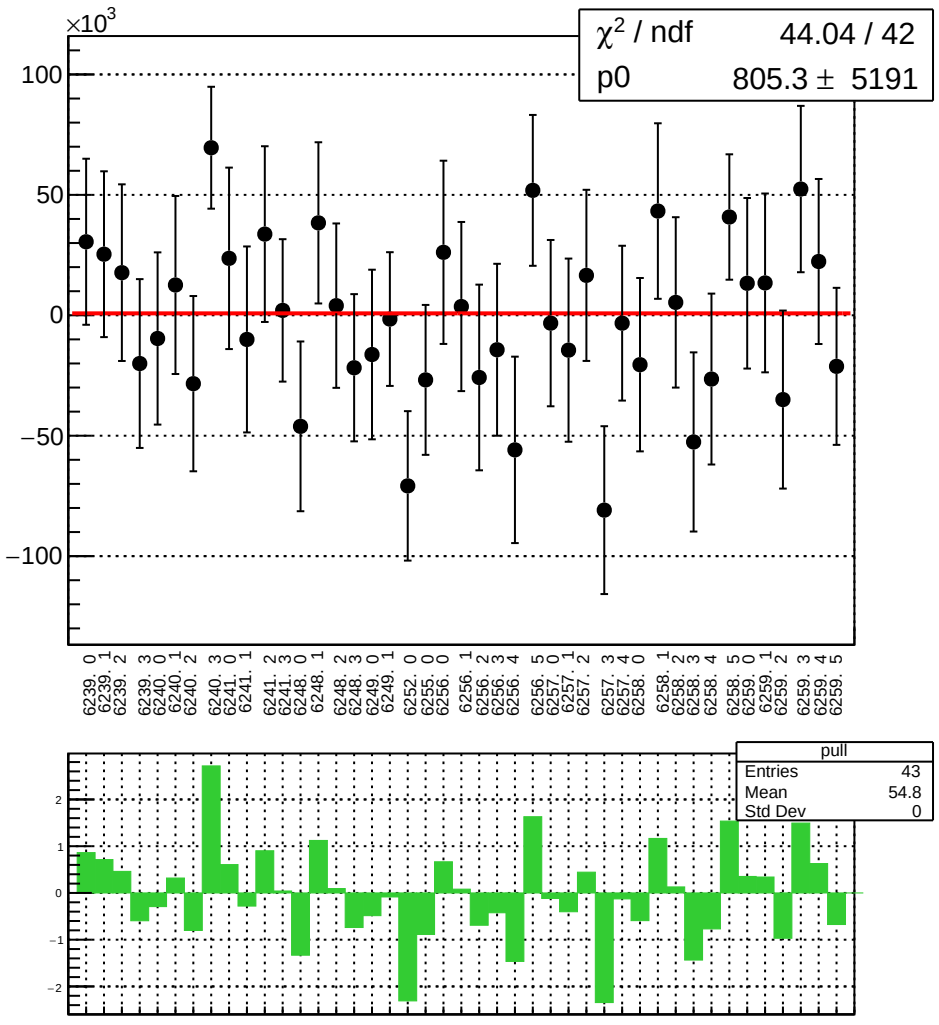



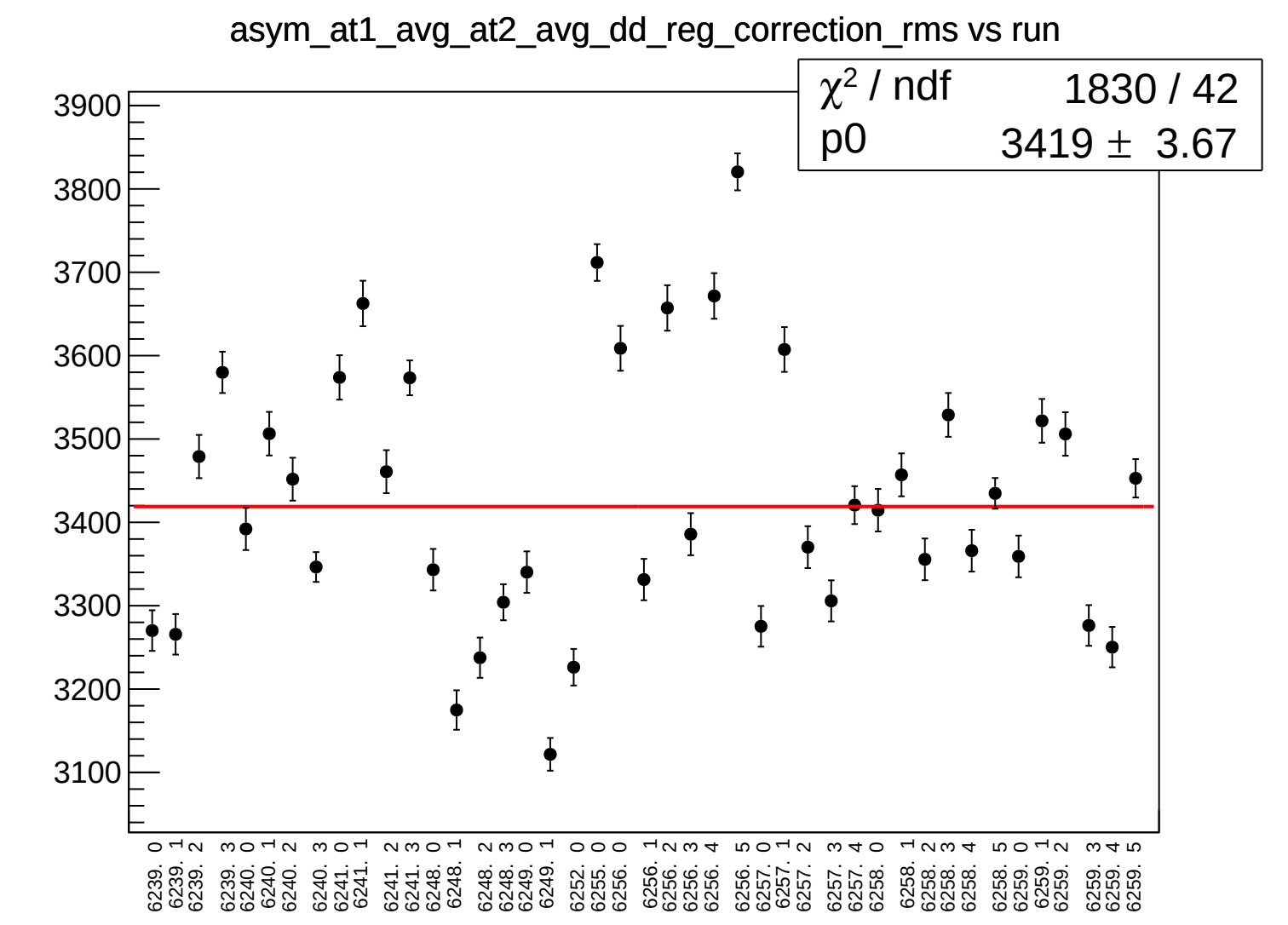

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.826e+05 / 42
p0 3.014e−11 ± 3.934e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

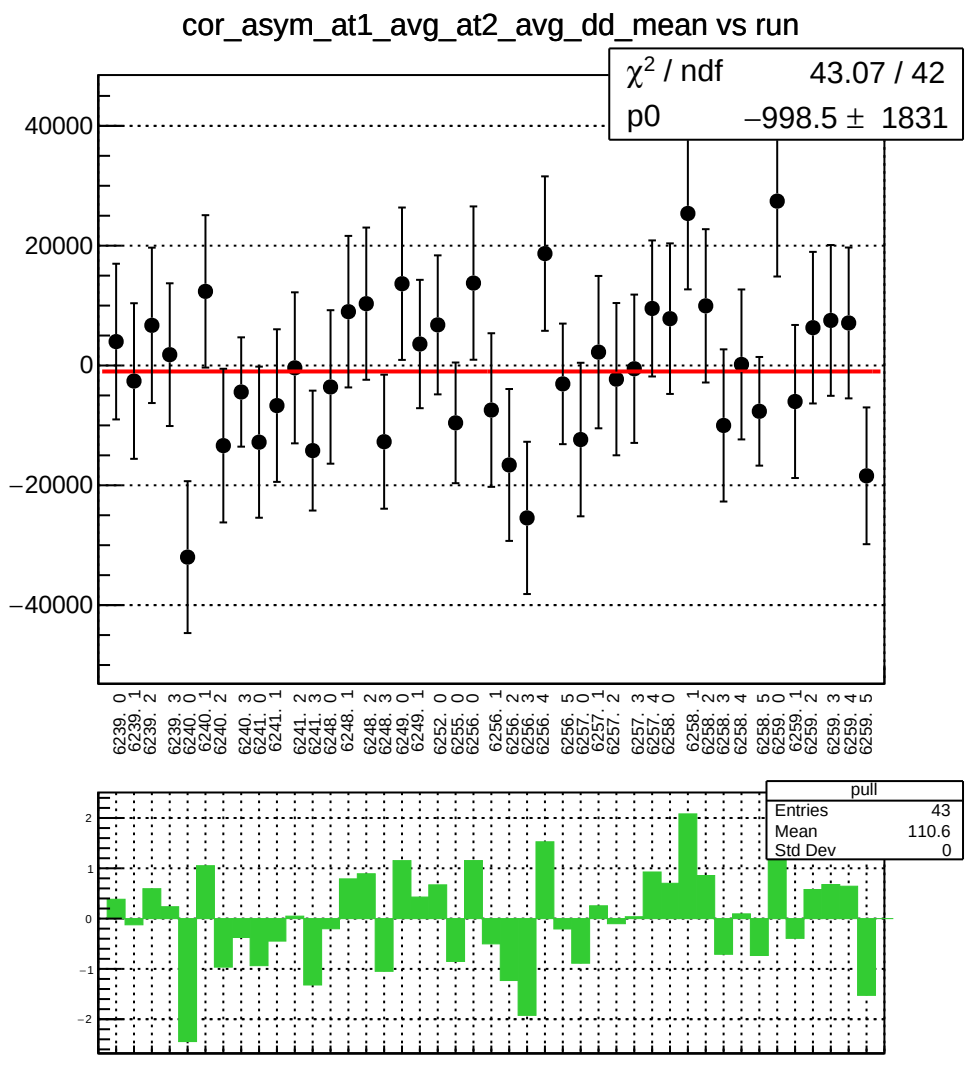

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 43.07 / 42
p0 −998.2 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03505
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 43.07 / 42
p0 −998.5 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
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6240. 2
6240. 3
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6241. 3
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6249. 1
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6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
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0
−1
−2
pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
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−4
−2
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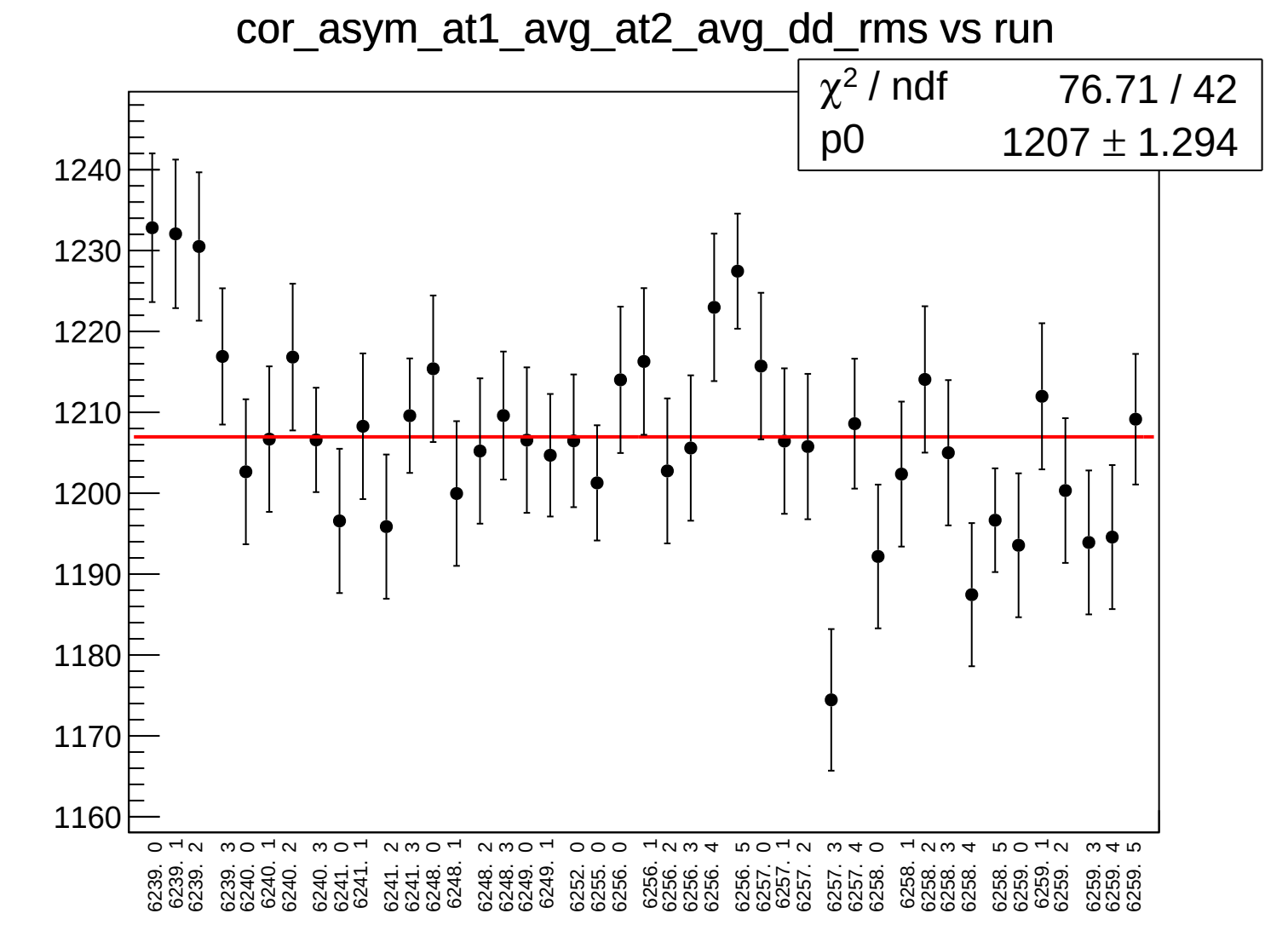
8


cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
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6256. 2
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6256. 5
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6257. 2
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6257. 4
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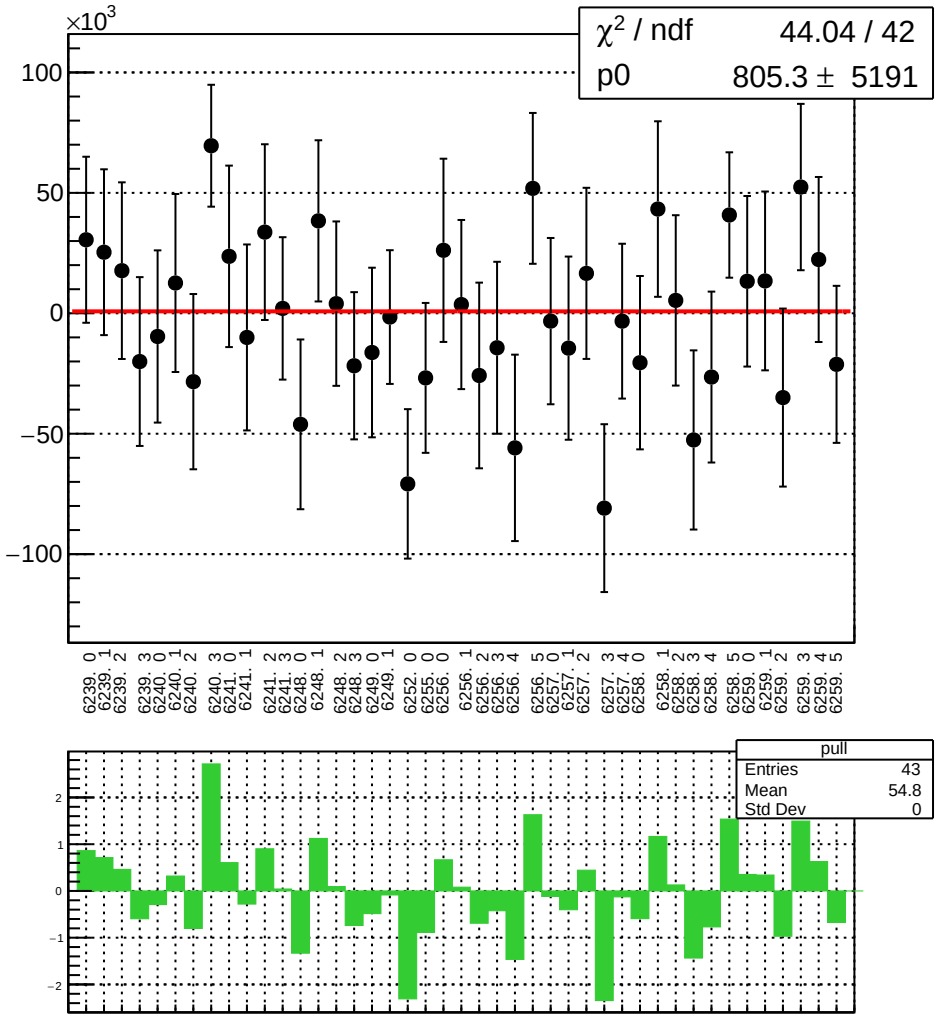
asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
6241. 3
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6249. 1
6252. 0
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6259. 0
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6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03506
Std Dev 1.011
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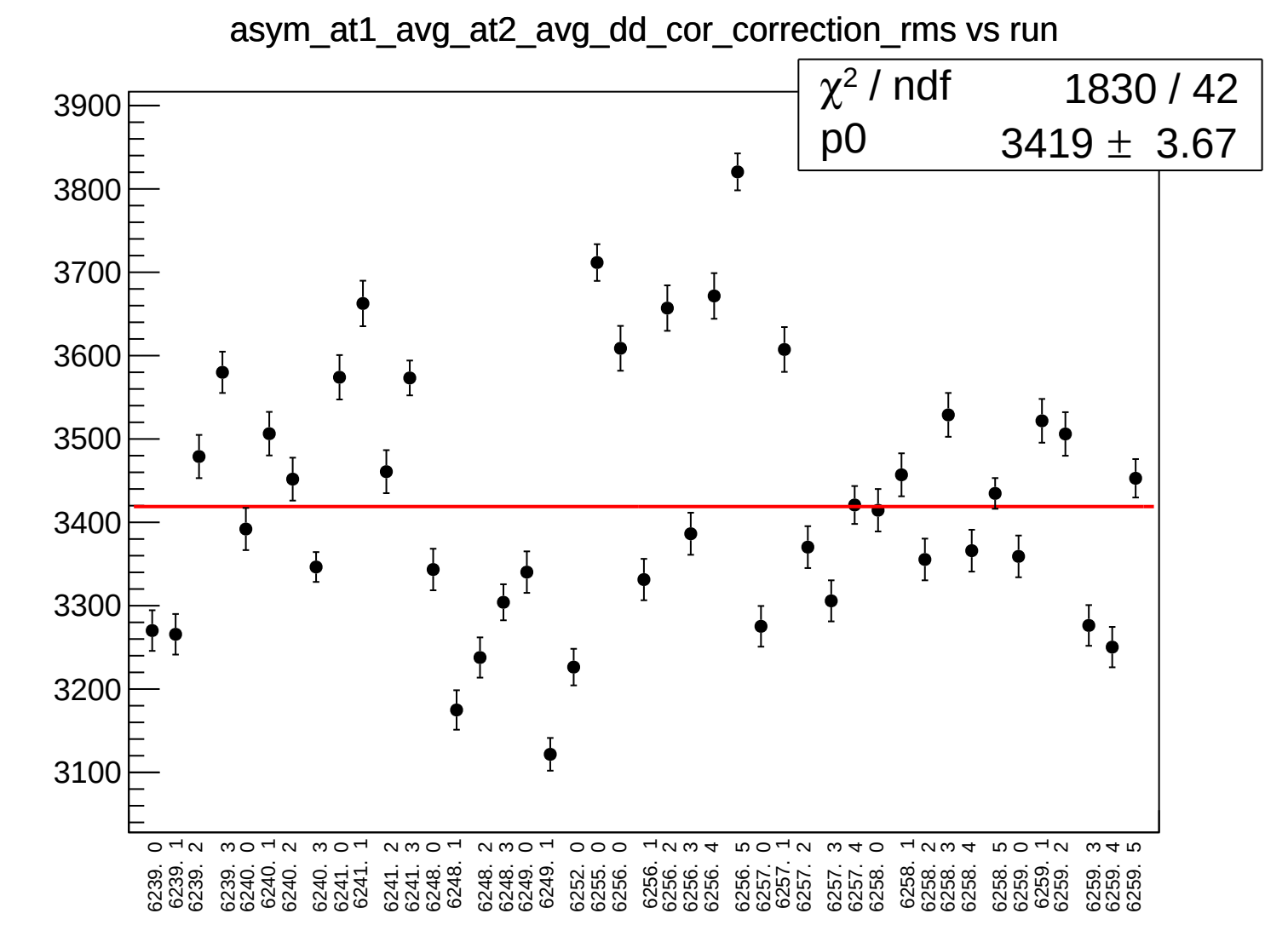
asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
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6240. 2
6240. 3
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6241. 3
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6249. 1
6252. 0
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6256. 0
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6256. 2
6256. 3
6256. 4
6256. 5
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6259. 2
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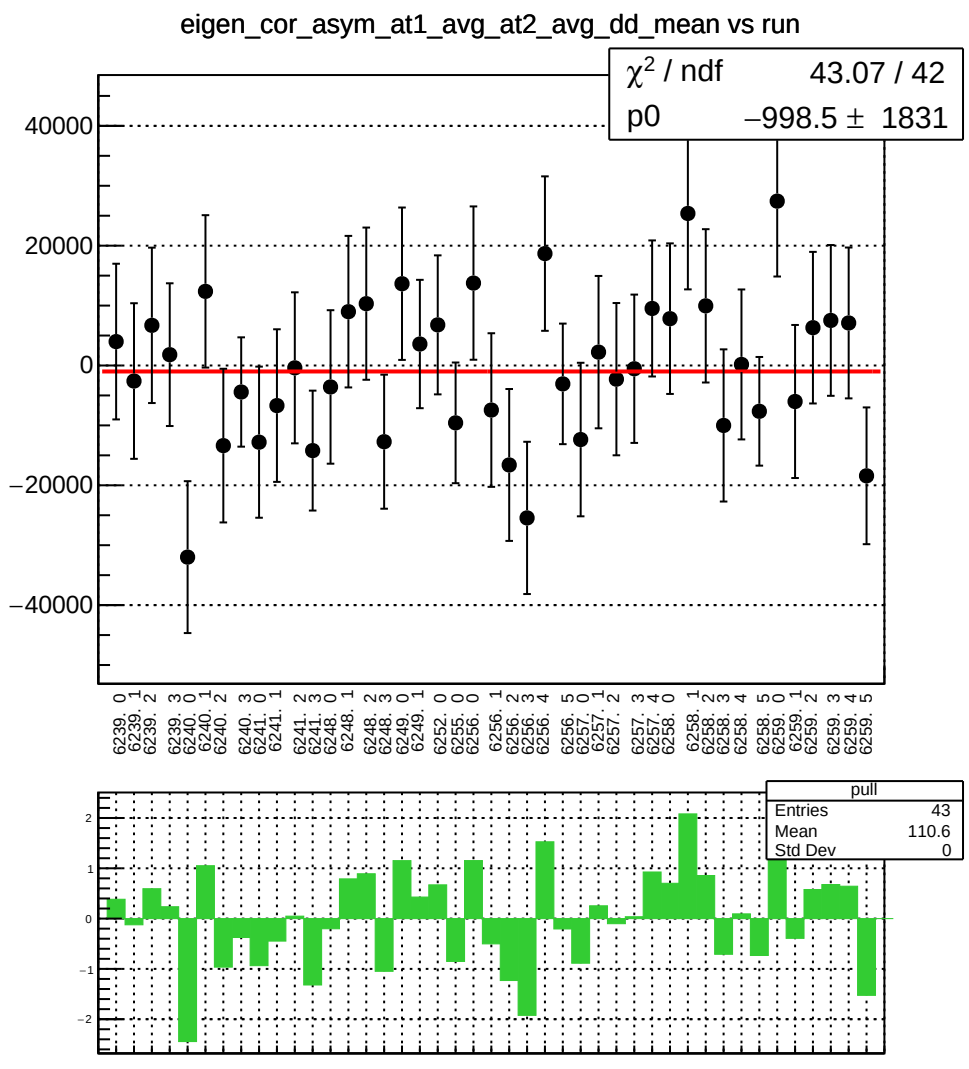
6259. 4
6259. 5


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 43.07 / 42
p0 −998.5 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
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6240. 2
6240. 3
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6258. 5
6259. 0
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6259. 2
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6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
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−1
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pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
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−4
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6
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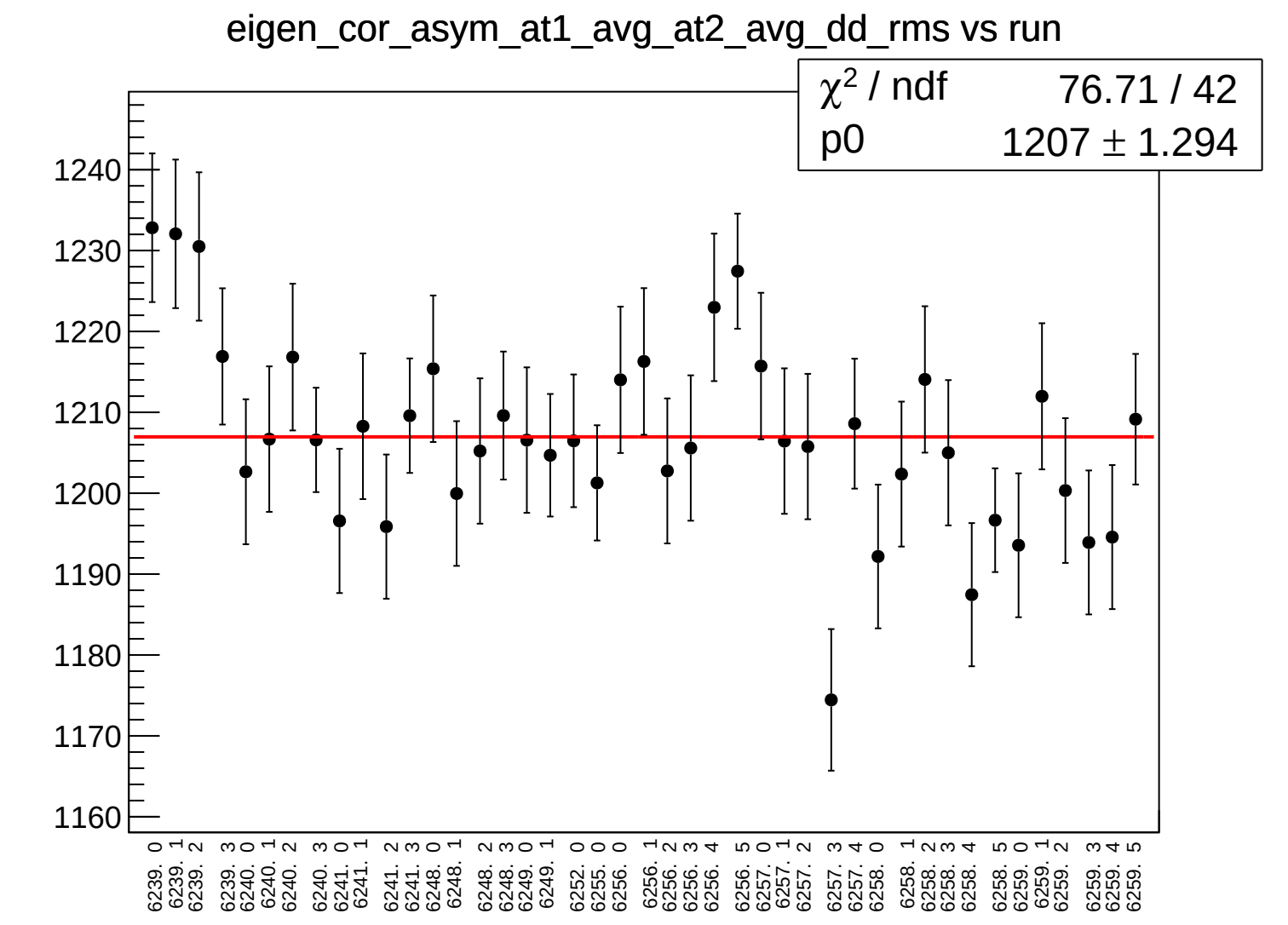
eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6241. 0
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6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
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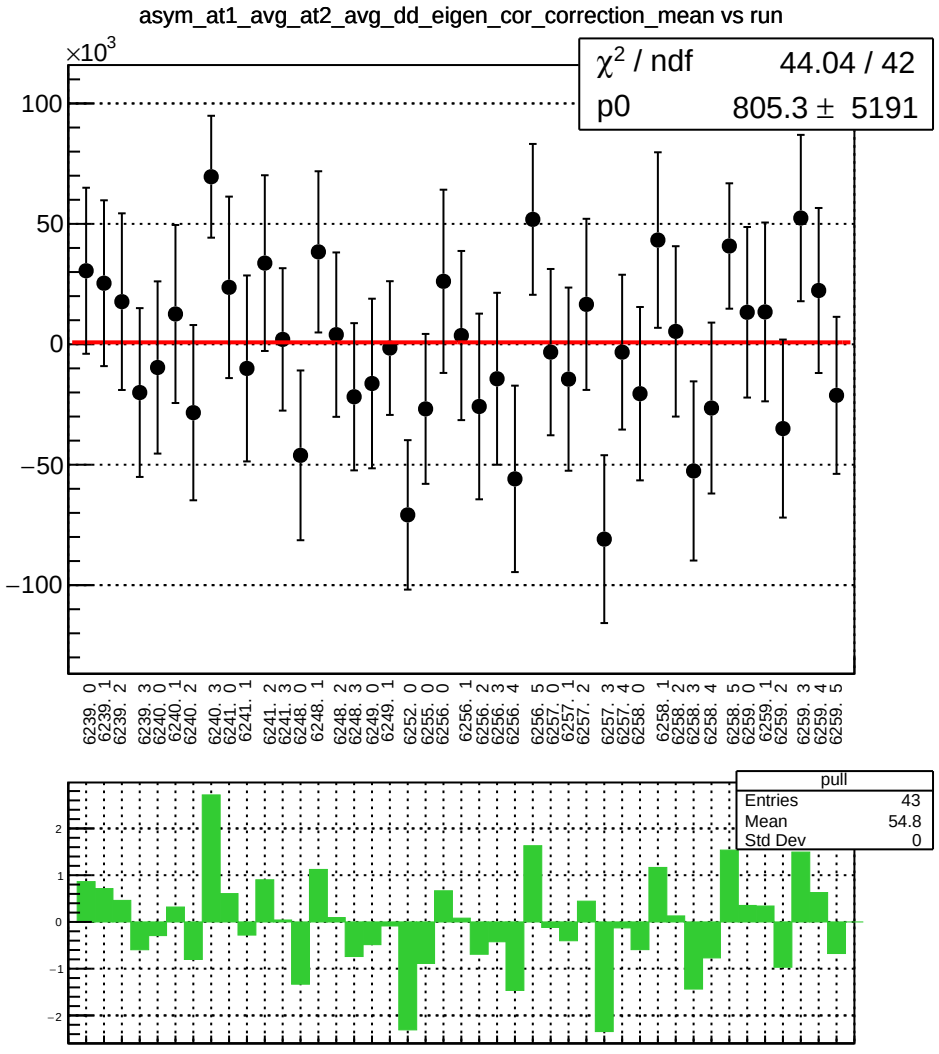
6259. 5


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
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6256. 2
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6256. 5
6257. 0
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6258. 2
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6258. 5
6259. 0
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6259. 2
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6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03506
Std Dev 1.011
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−4
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6
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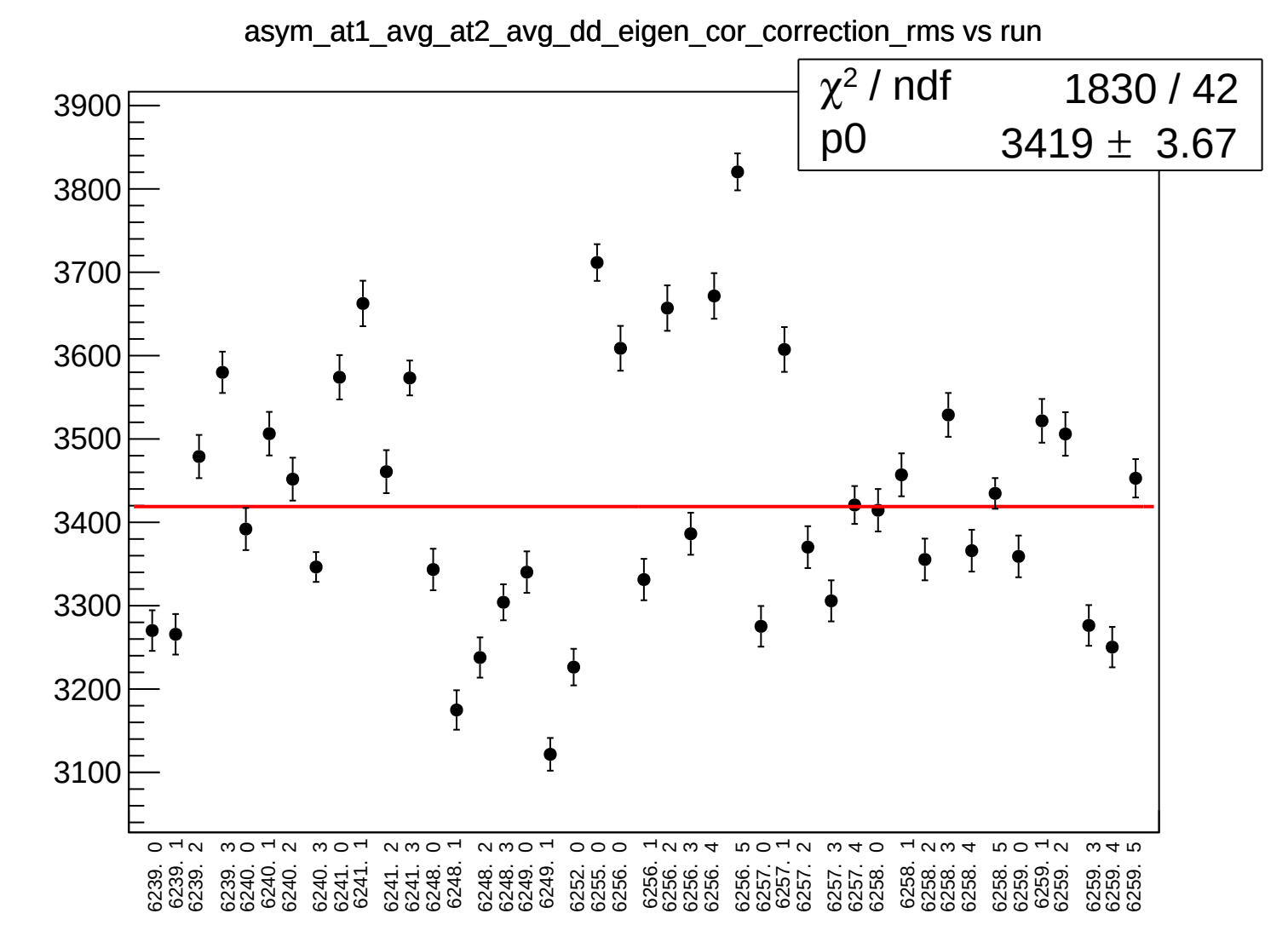
asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6240. 2
6240. 3
6241. 0
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 5
6259. 0
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6259. 2
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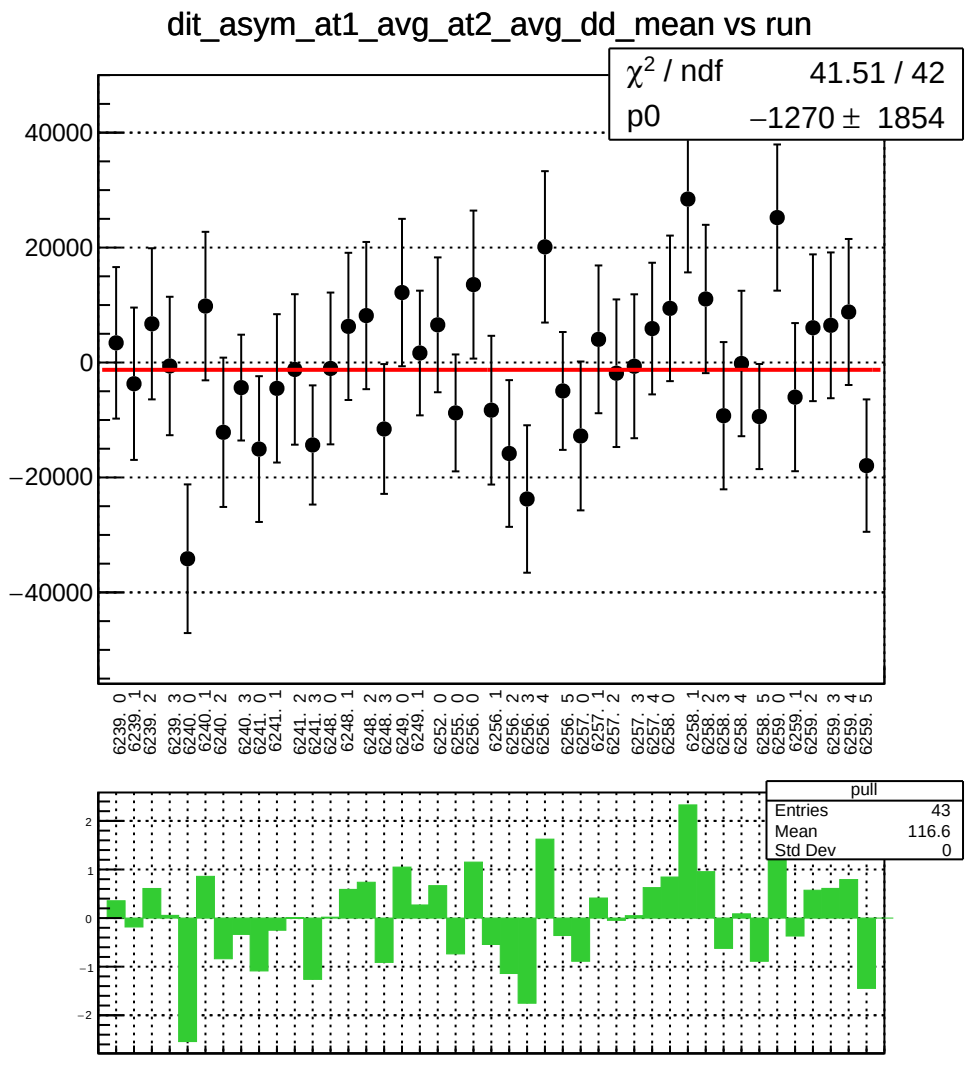
6259. 4
6259. 5


dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 41.51 / 42
p0 −1270 ± 1854
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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6248. 2
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6249. 0
6249. 1
6252. 0
6255. 0
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6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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6259. 4
6259. 5
pull
Entries 43
Mean 116.6
Std Dev 0
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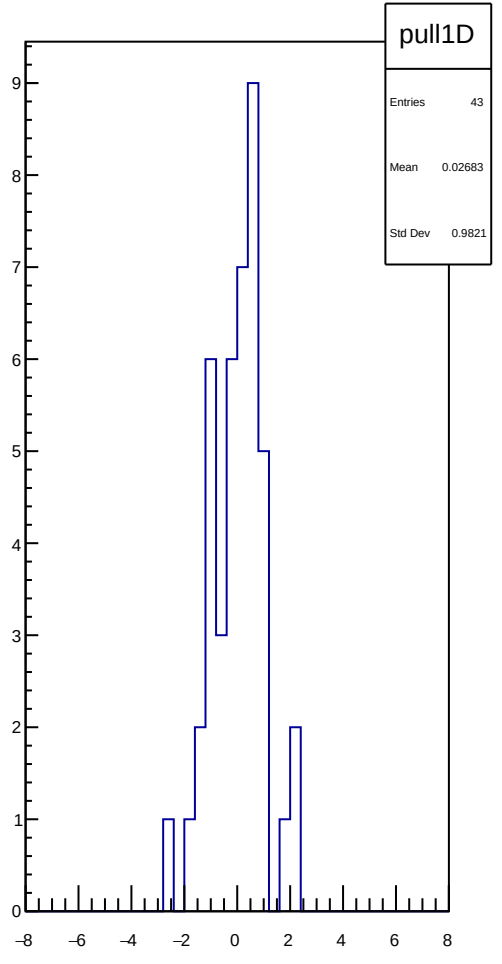
1
0
−1
−2


pull1D
Entries 43
Mean 0.02683
Std Dev 0.9821
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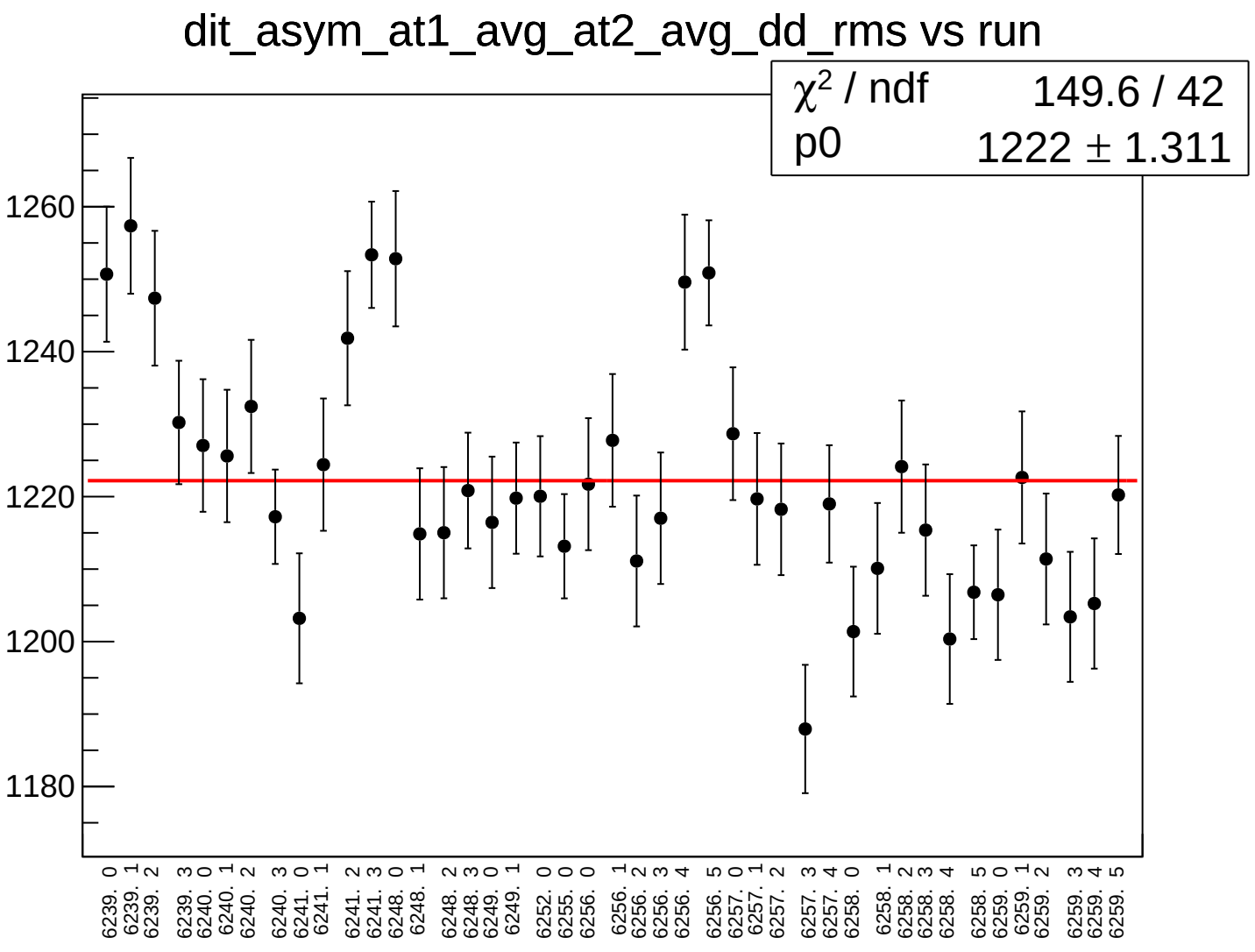
−4
−2
0
2
4
6
8


dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 149.6 / 42
p0 1222 ± 1.311
1260
1240
1220
1200
1180
6239. 0
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6240. 2
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6241. 0
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6241. 3
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6248. 1
6248. 2
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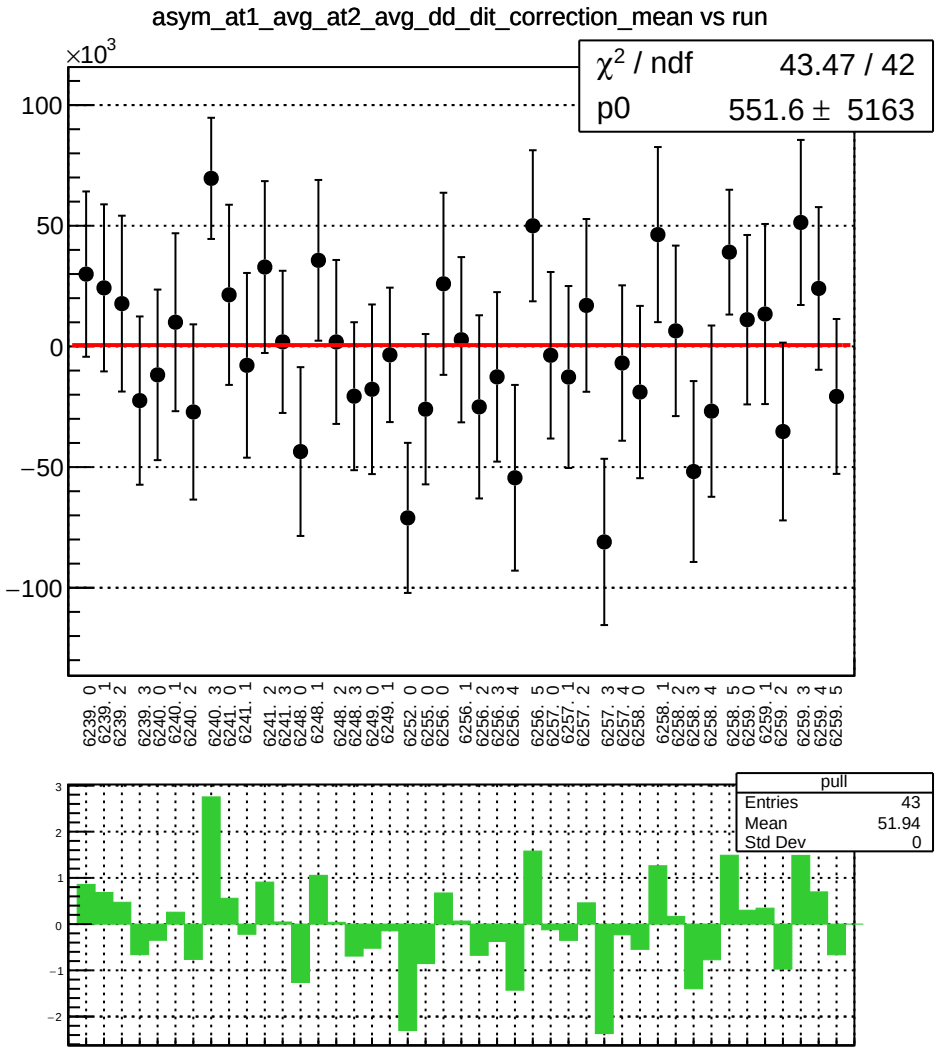
6259. 5


asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.47 / 42
p0 551.6 ± 5163
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
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6257. 2
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6257. 4
6258. 0
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6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.94
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0351
Std Dev 1.005
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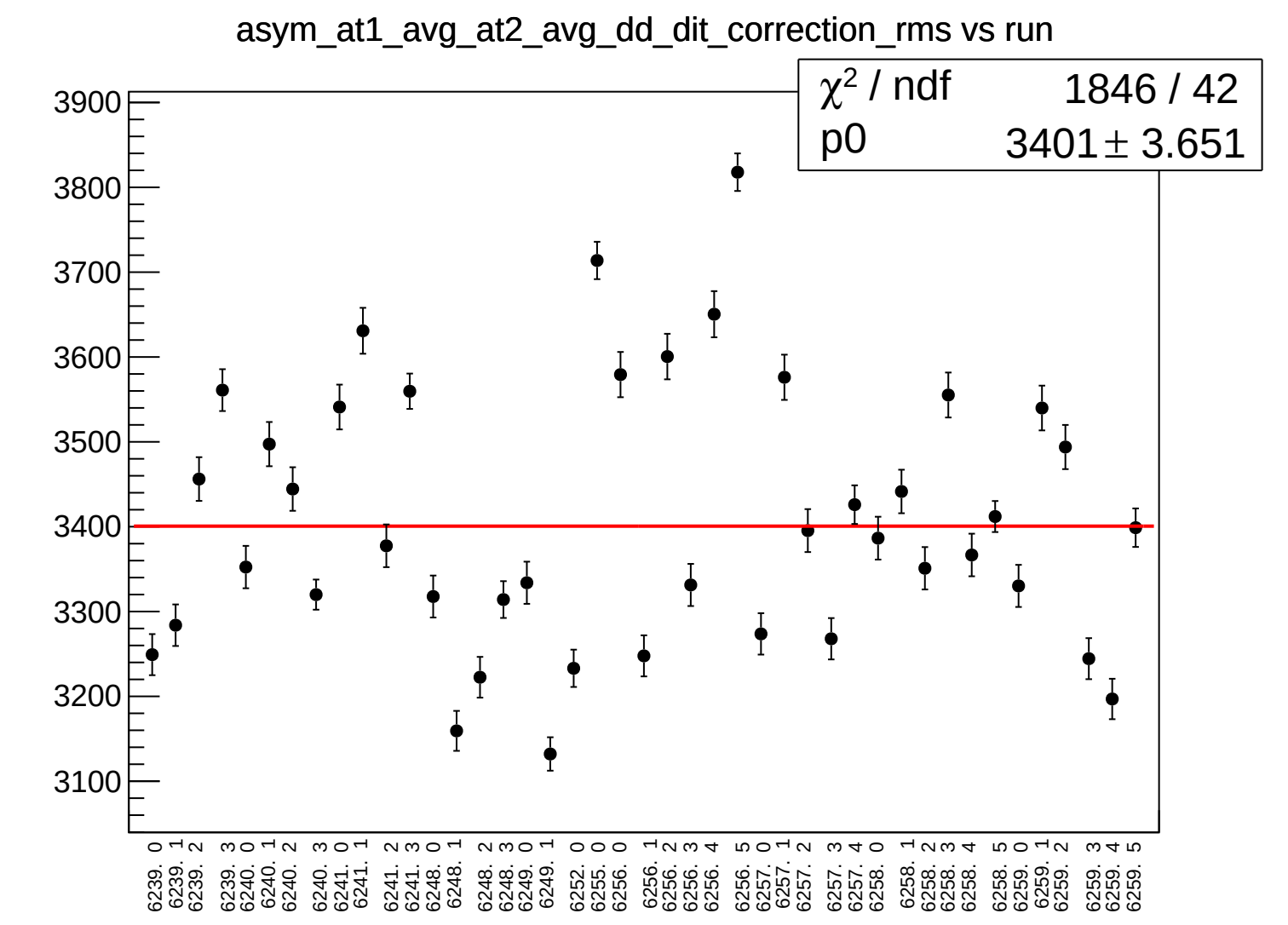
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1846 / 42
p0 3401 ± 3.651
3900
3800
3700
3600
3500
3400
3300
3200
3100
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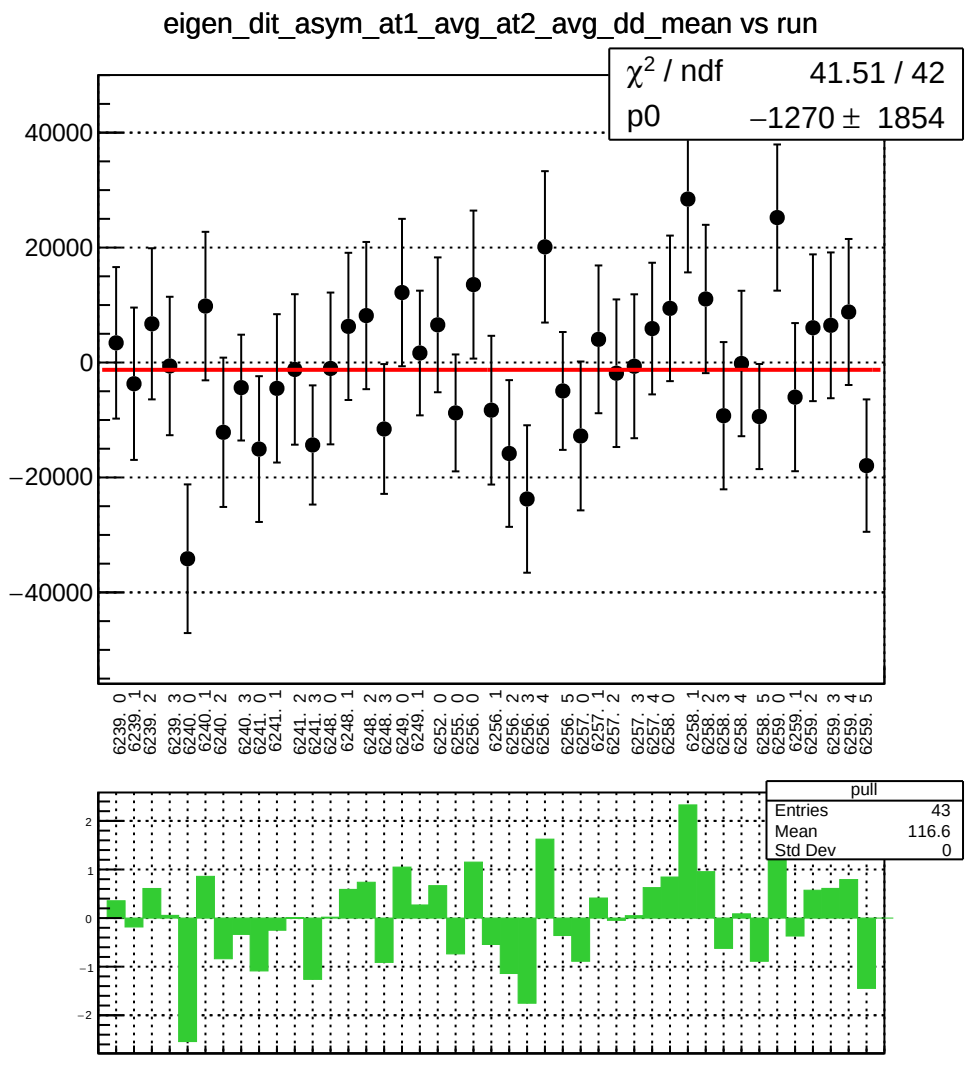
6259. 5


eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 41.51 / 42
p0 −1270 ± 1854
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−20000
−40000
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6239. 1
6239. 2
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6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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6256. 5
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6257. 2
6257. 3
6257. 4
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6258. 2
6258. 3
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6258. 5
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pull
Entries 43
Mean 116.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02683
Std Dev 0.9821
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−4
−2
0
2
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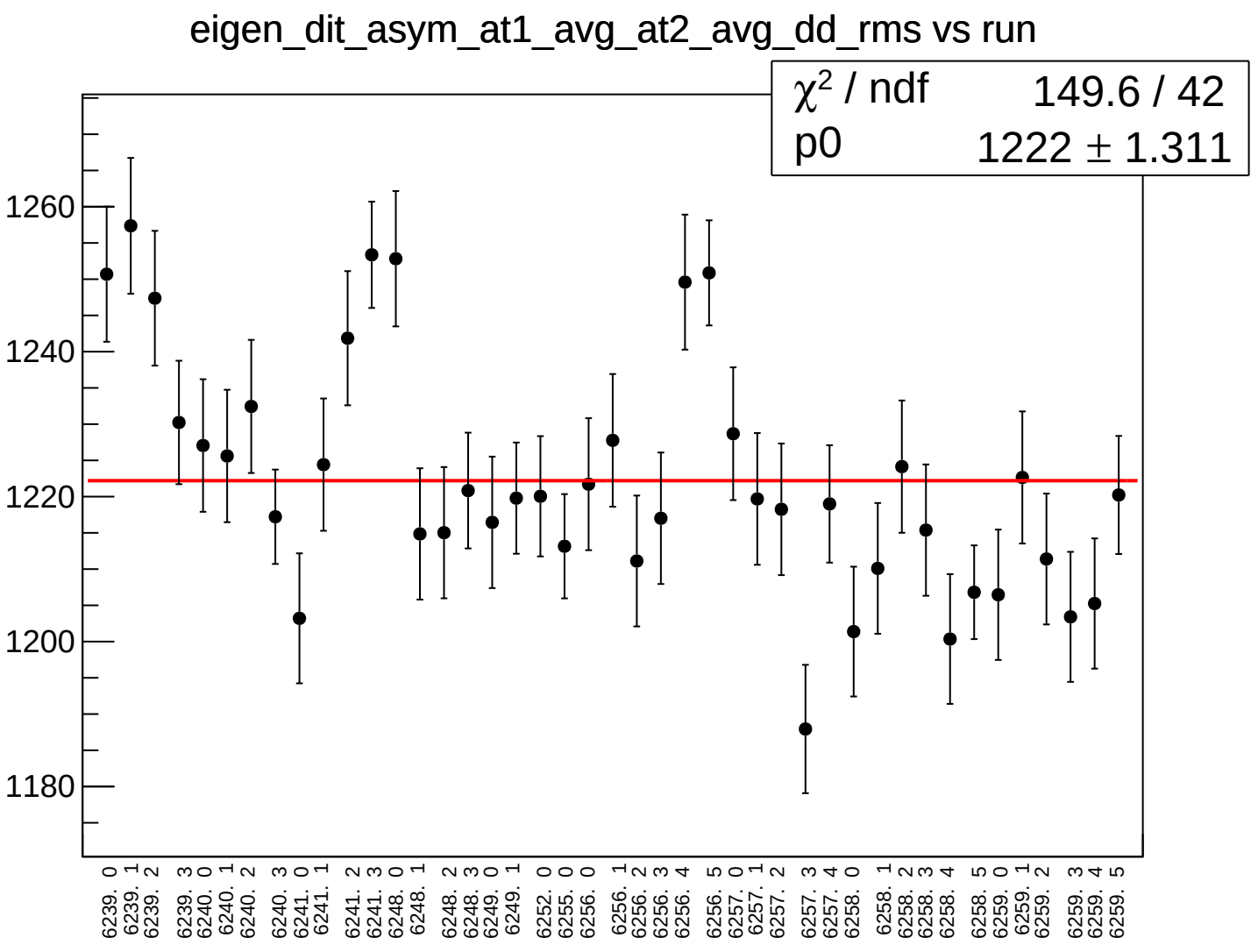
6
8


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 149.6 / 42
p0 1222 ± 1.311
1260
1240
1220
1200
1180
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6239. 2
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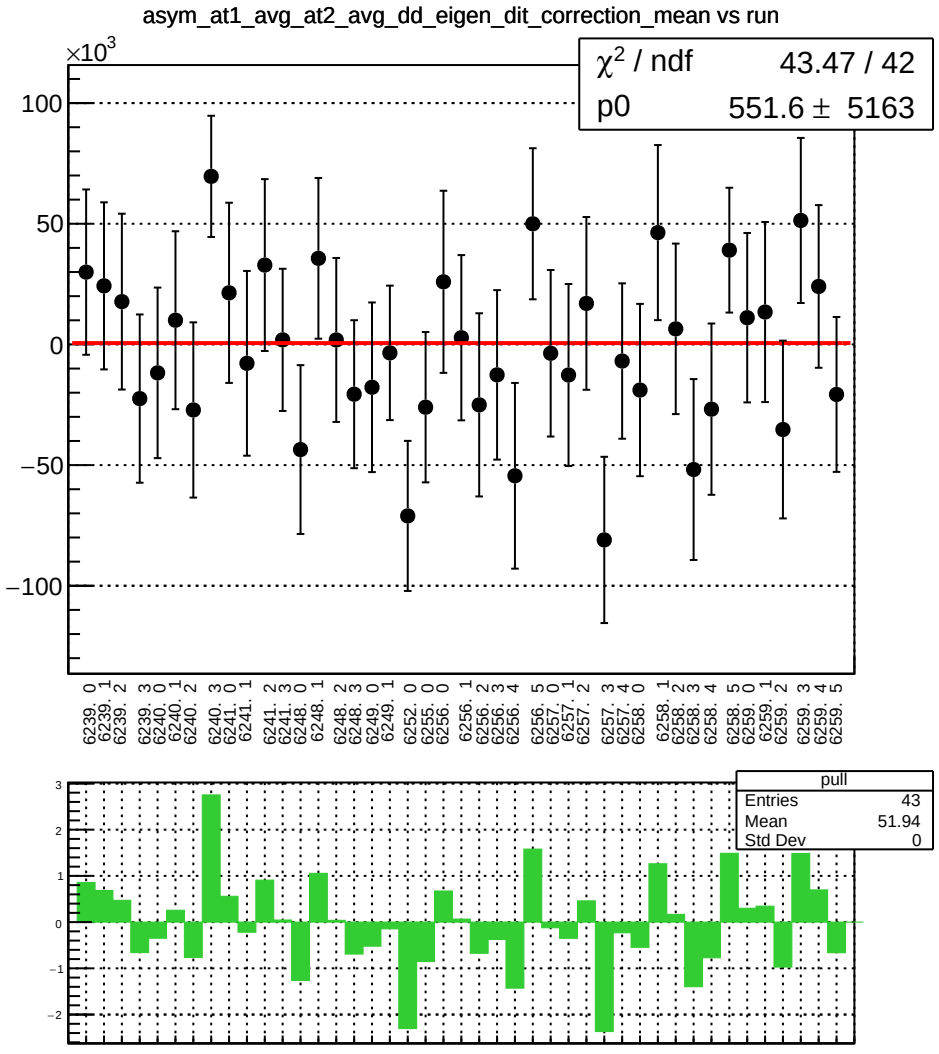
asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.47 / 42
p0 551.6 ± 5163
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
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6259. 4
6259. 5
pull
Entries 43
Mean 51.94
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0351
Std Dev 1.005
8
7
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5
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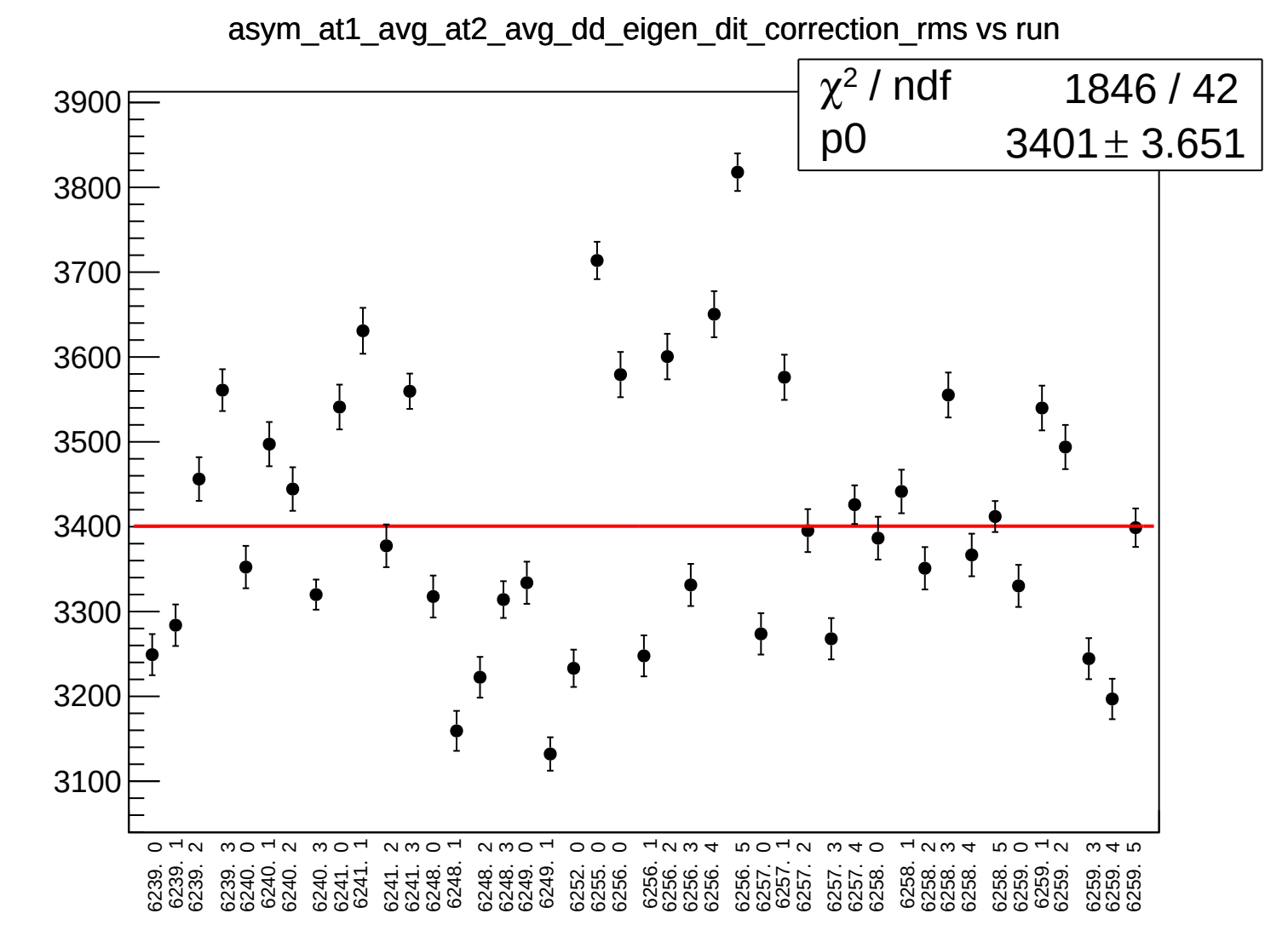
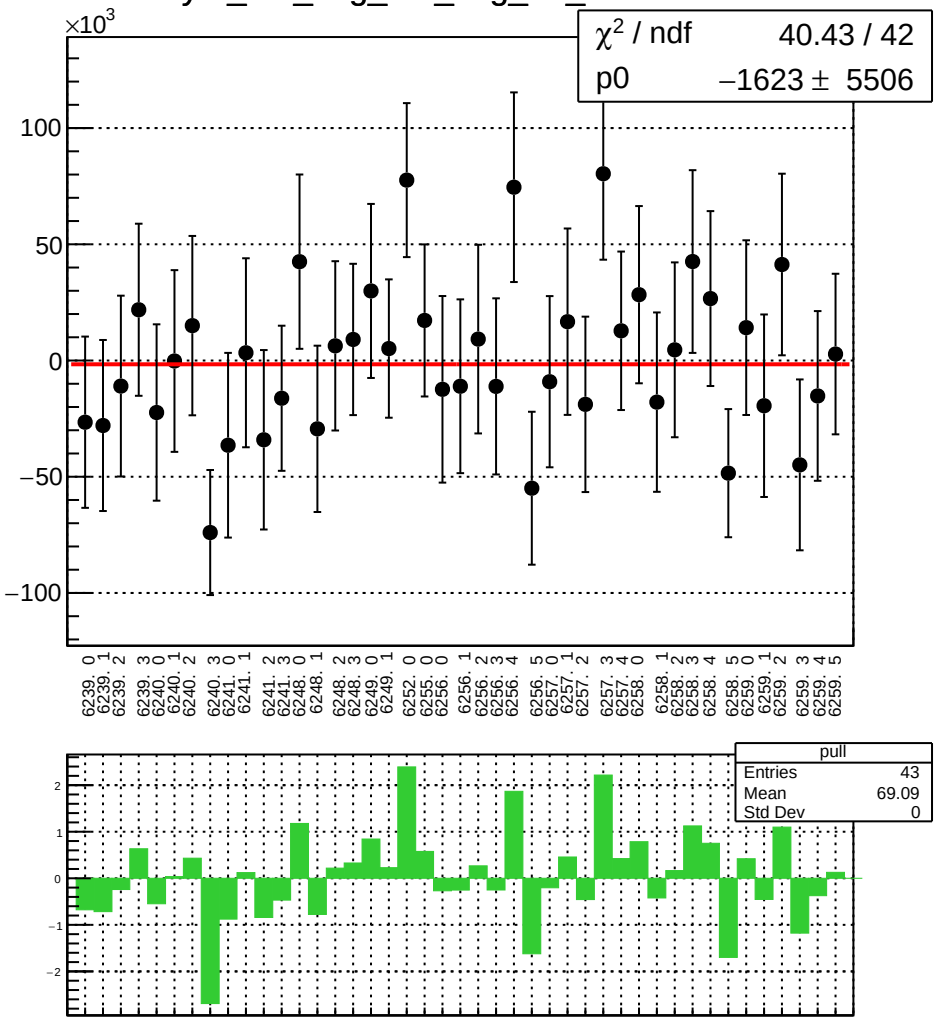
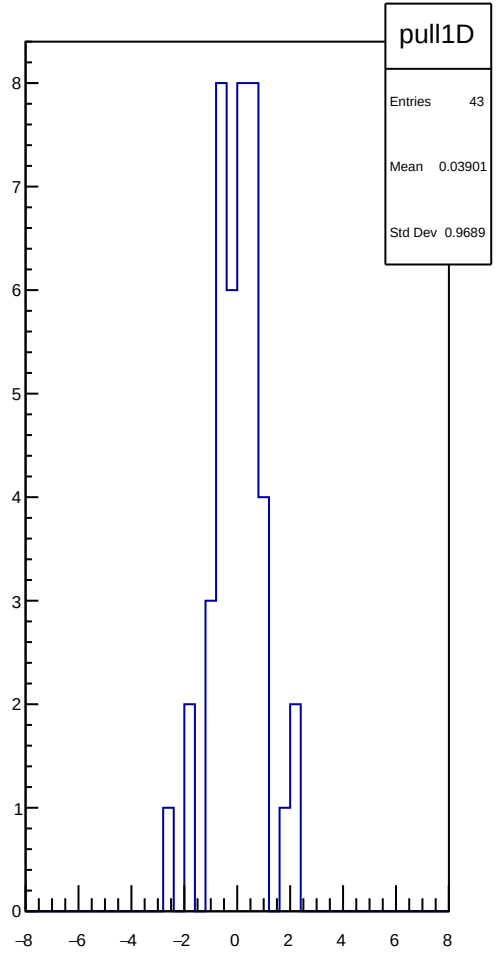
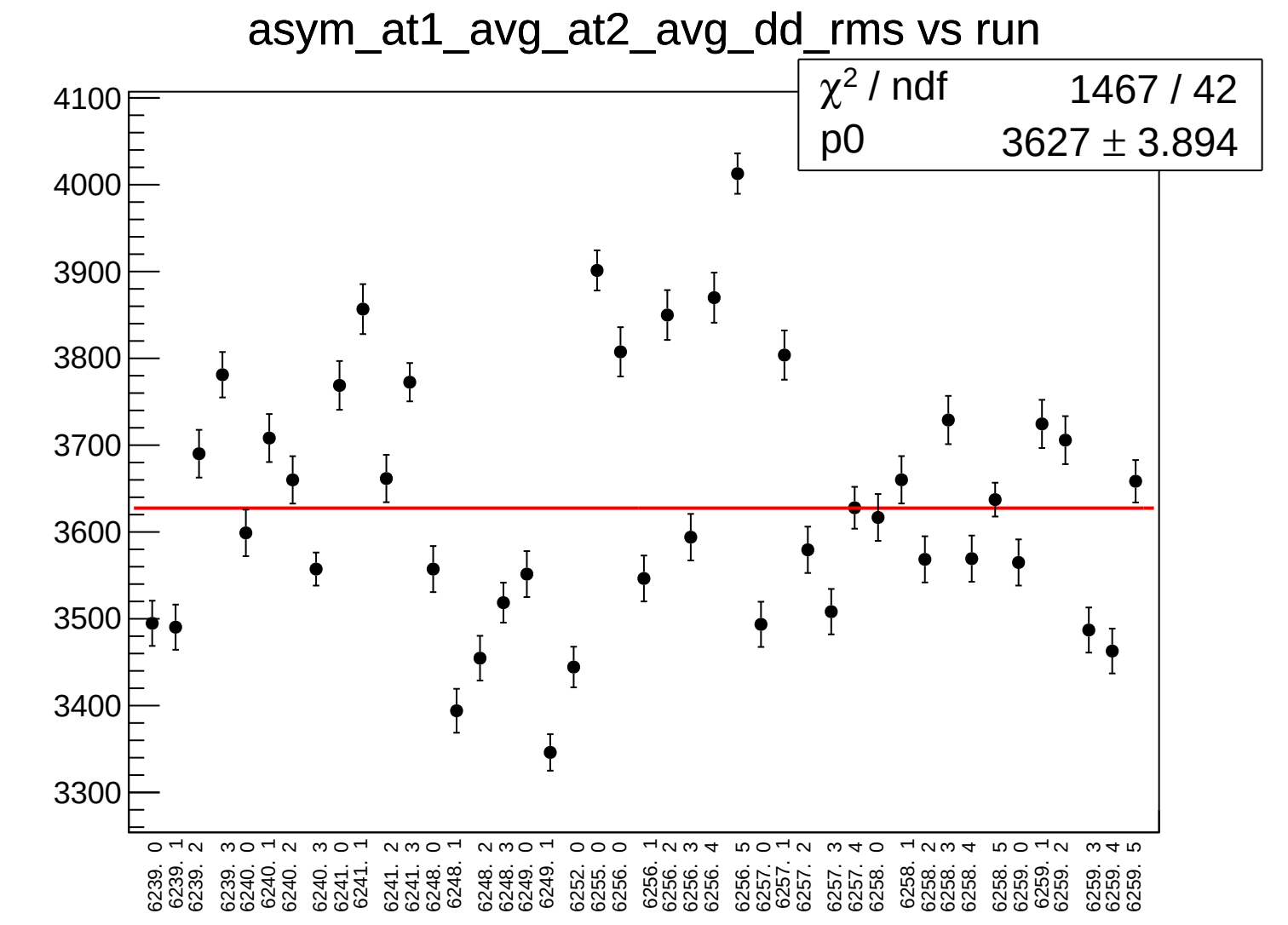
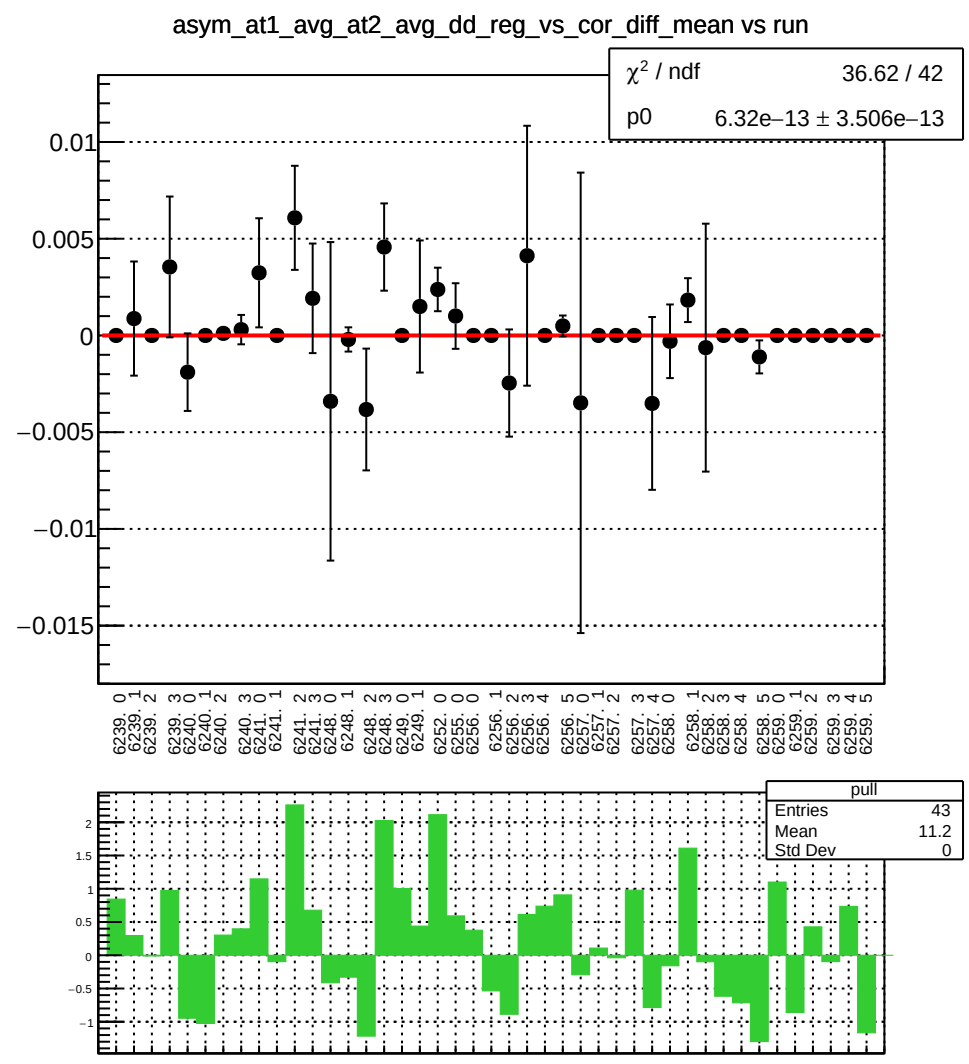
1
0
−8
−6
−4
−2
0
2
4
6
8

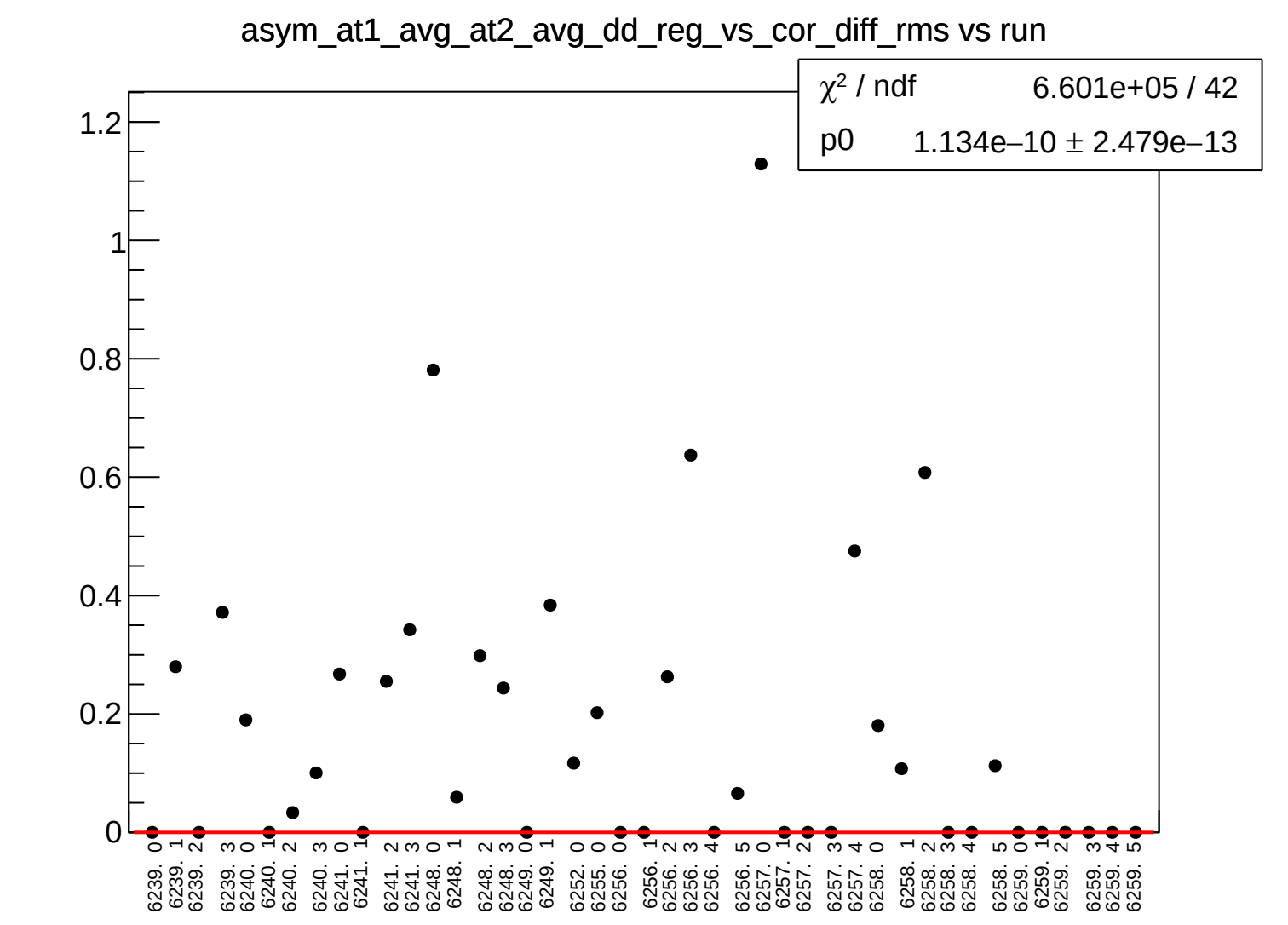

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1846 / 42
p0 3401 ± 3.651
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

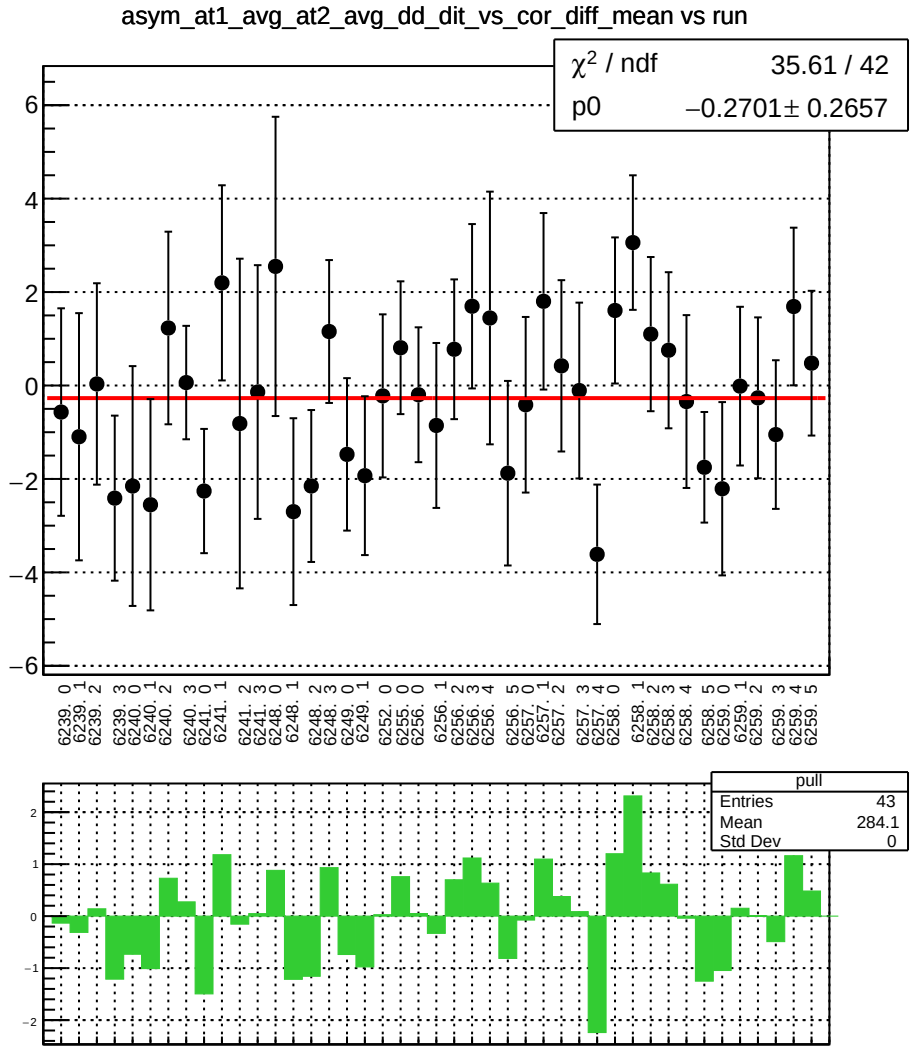

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 40.43 / 42
p0 −1623 ± 5506
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.09
Std Dev 0
2
1
0
−1
−2

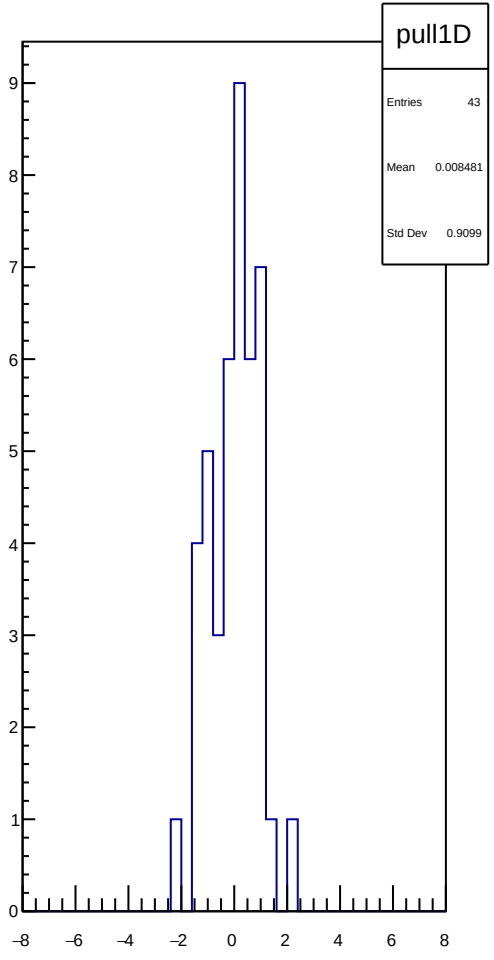

pull1D
Entries 43
Mean 0.03901
Std Dev 0.9689
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

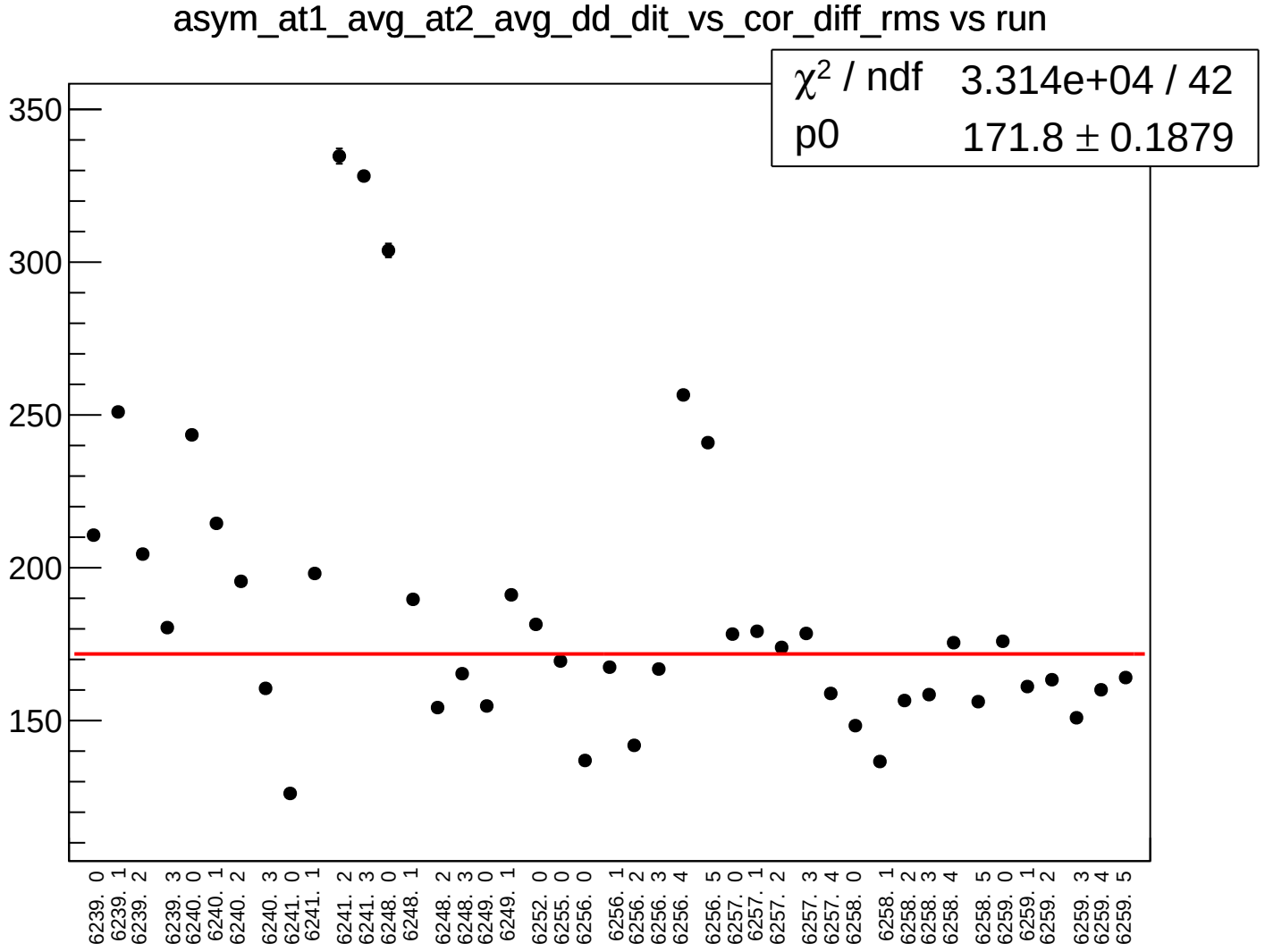

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1467 / 42
p0 3627 ± 3.894
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

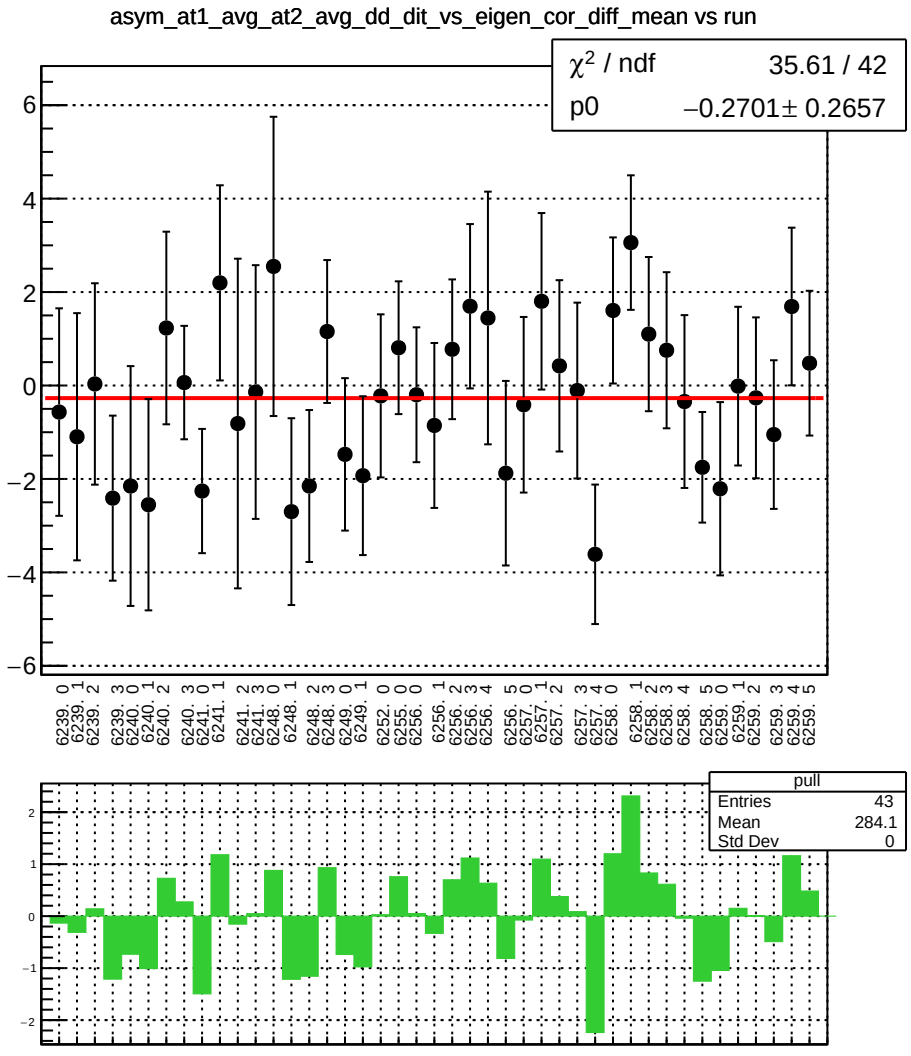

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 36.62 / 42
p0 6.32e−13 ± 3.506e−13
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.2113
Std Dev 0.8983
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

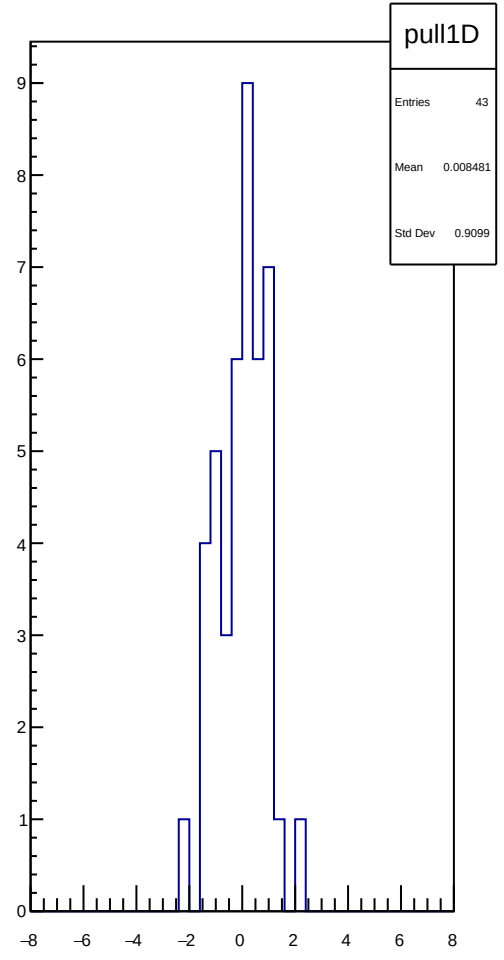

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.601e+05 / 42
p0 1.134e−10 ± 2.479e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

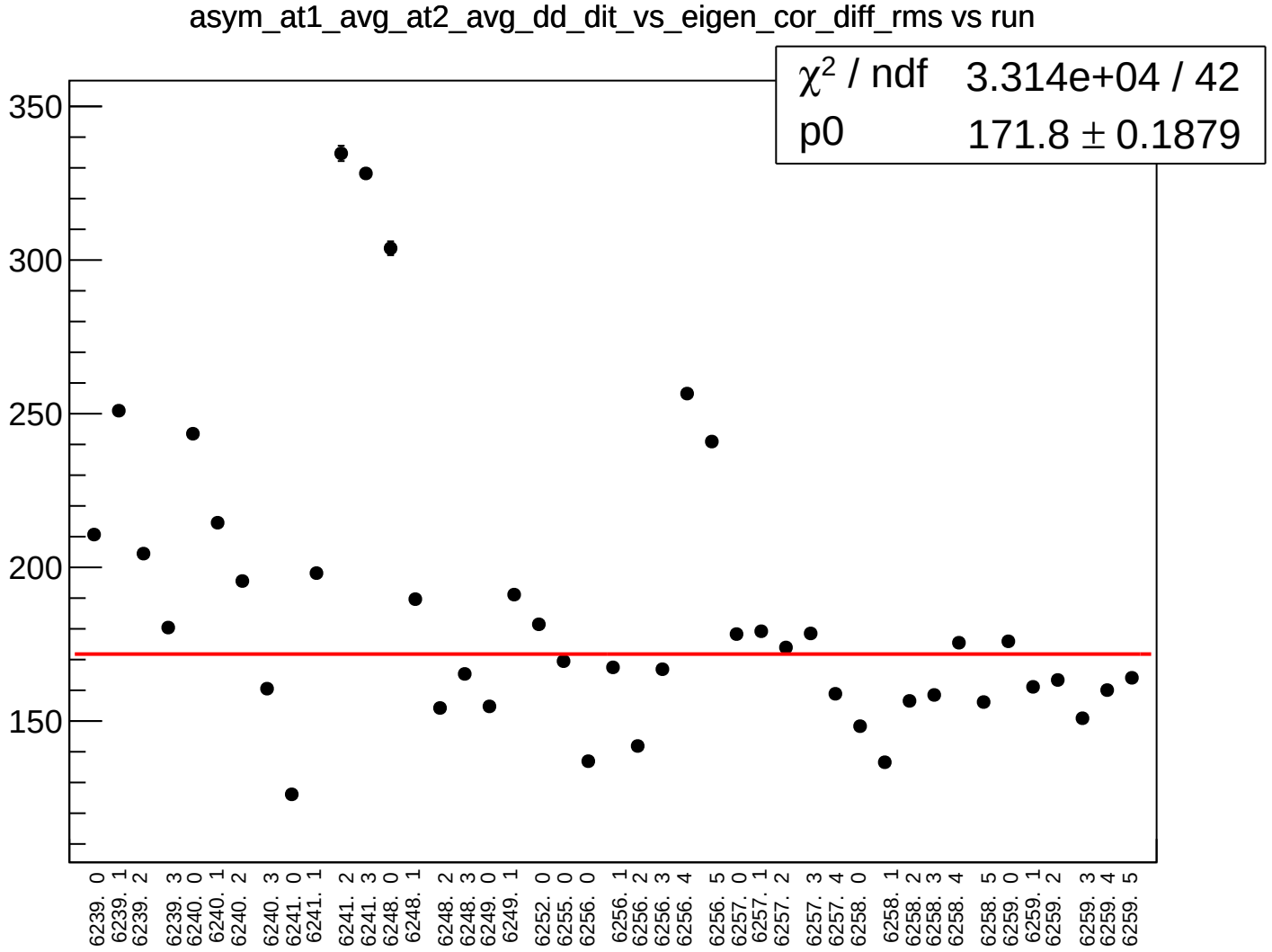

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

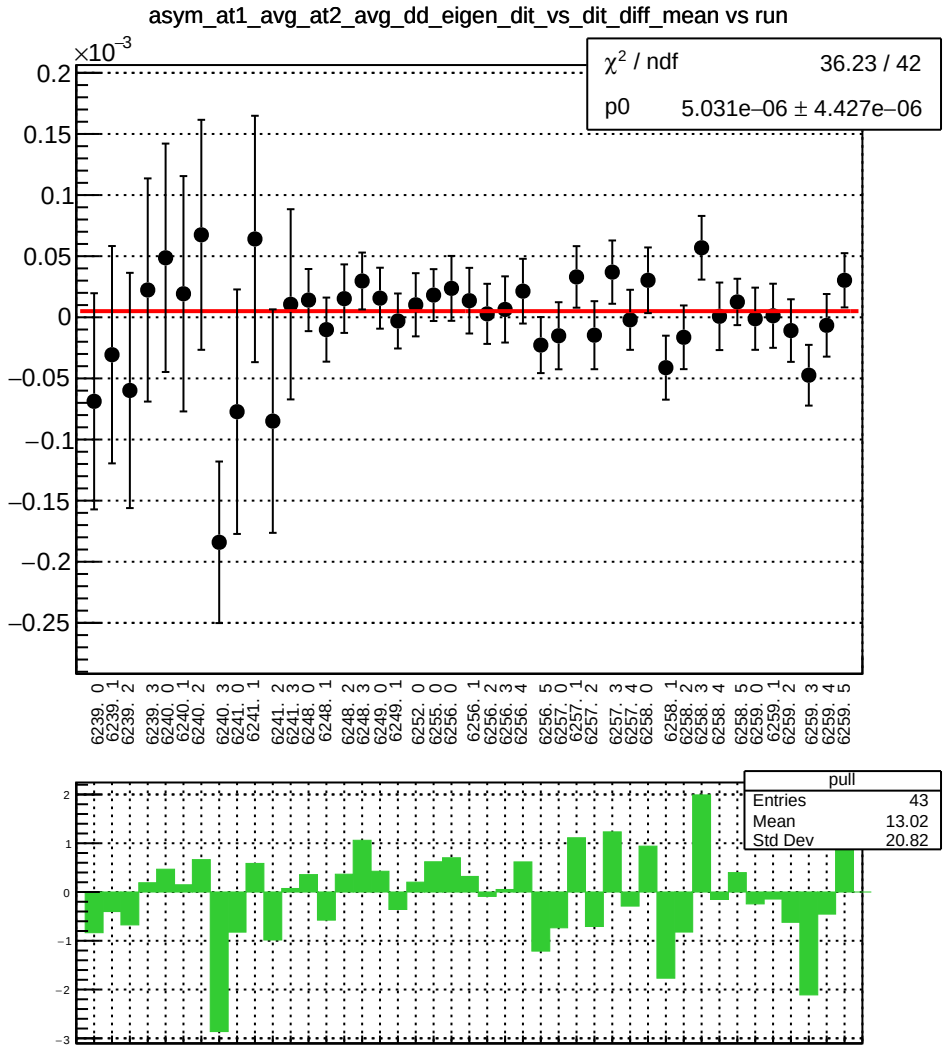

pull1D
Entries 43
Mean 0.008481
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

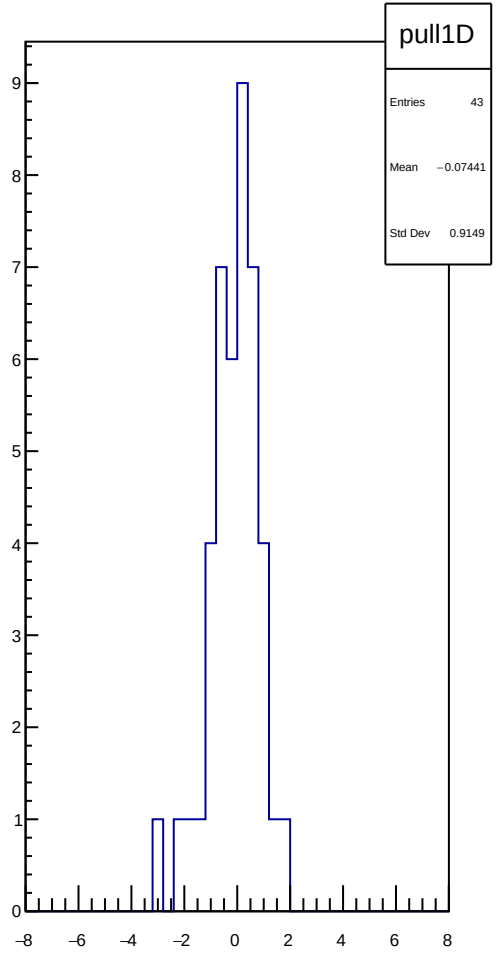

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

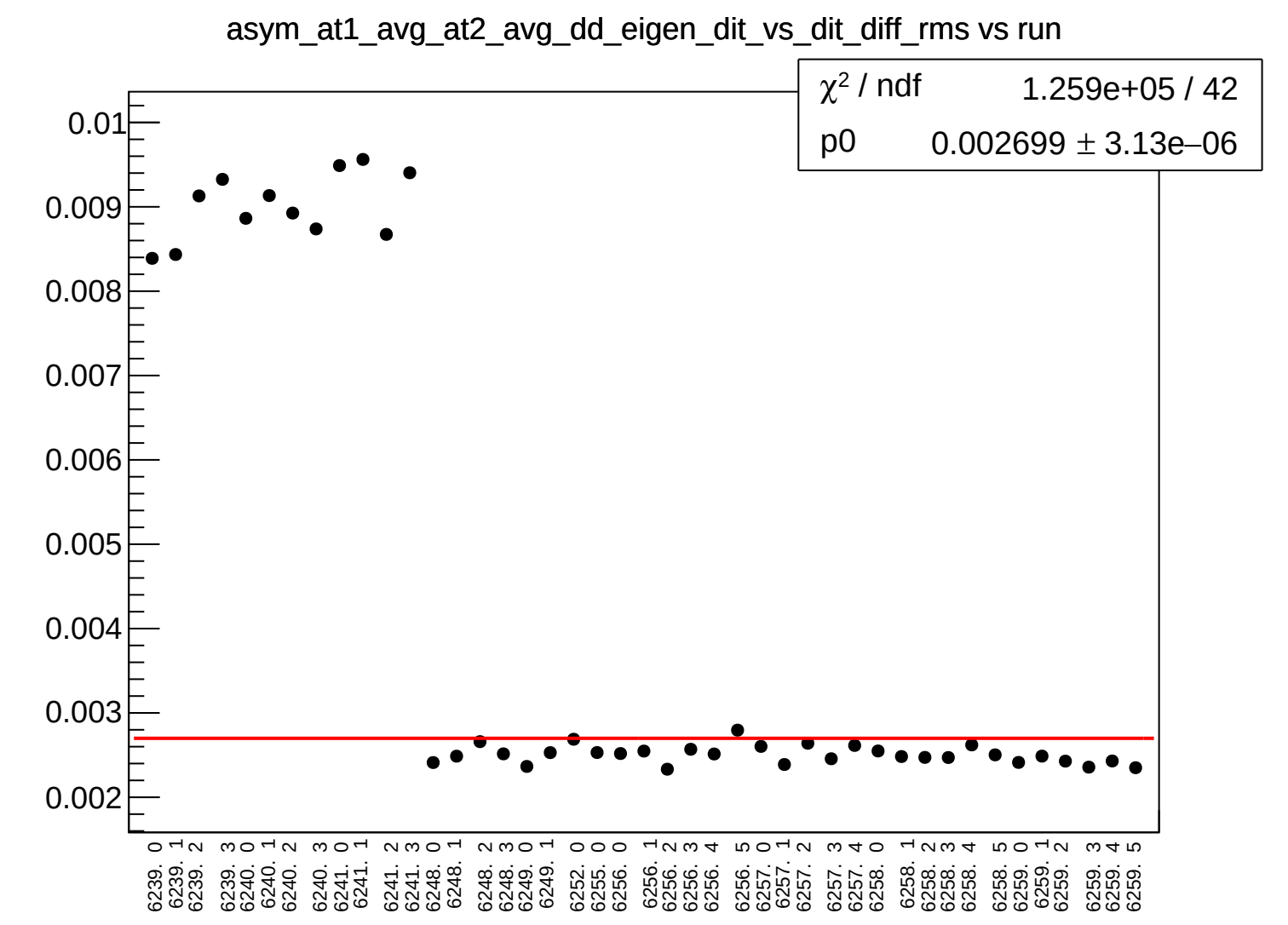

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

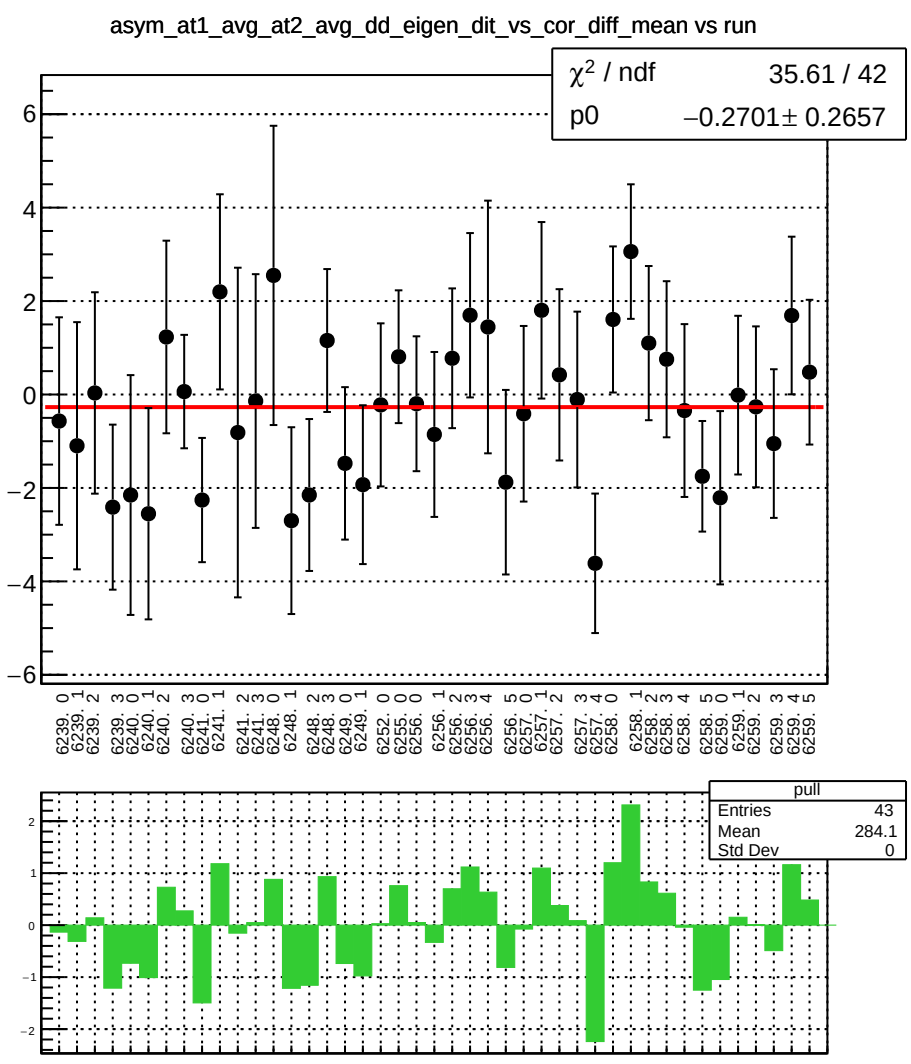

pull1D
Entries 43
Mean 0.008481
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

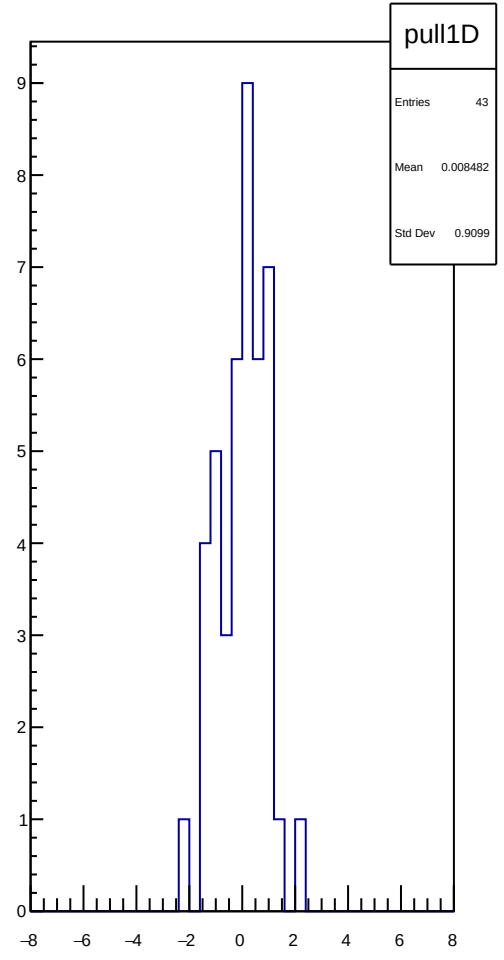

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

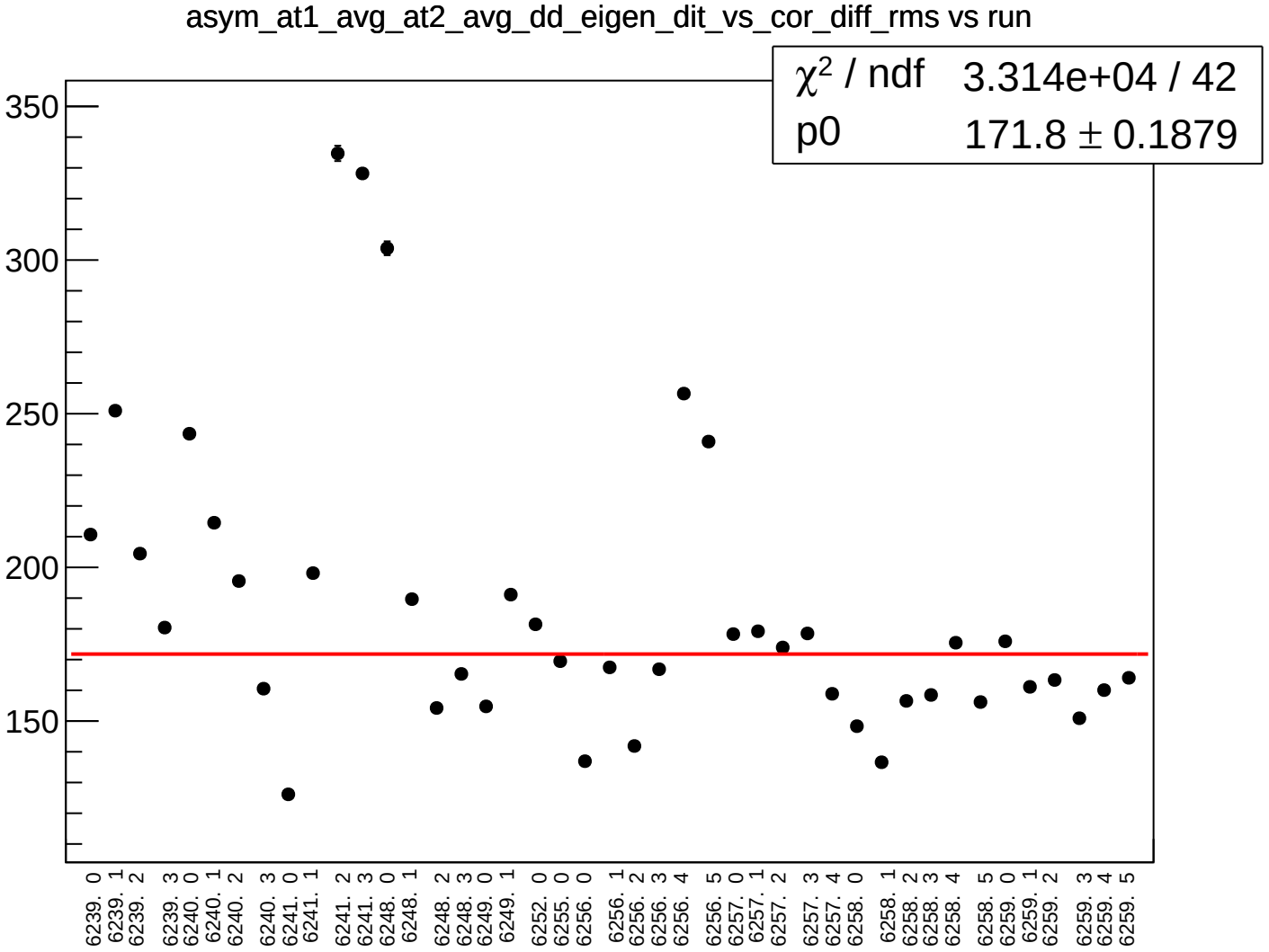

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.23 / 42
p0 5.031e−06 ± 4.427e−06
pull
Entries 43
Mean 13.02
Std Dev 20.82

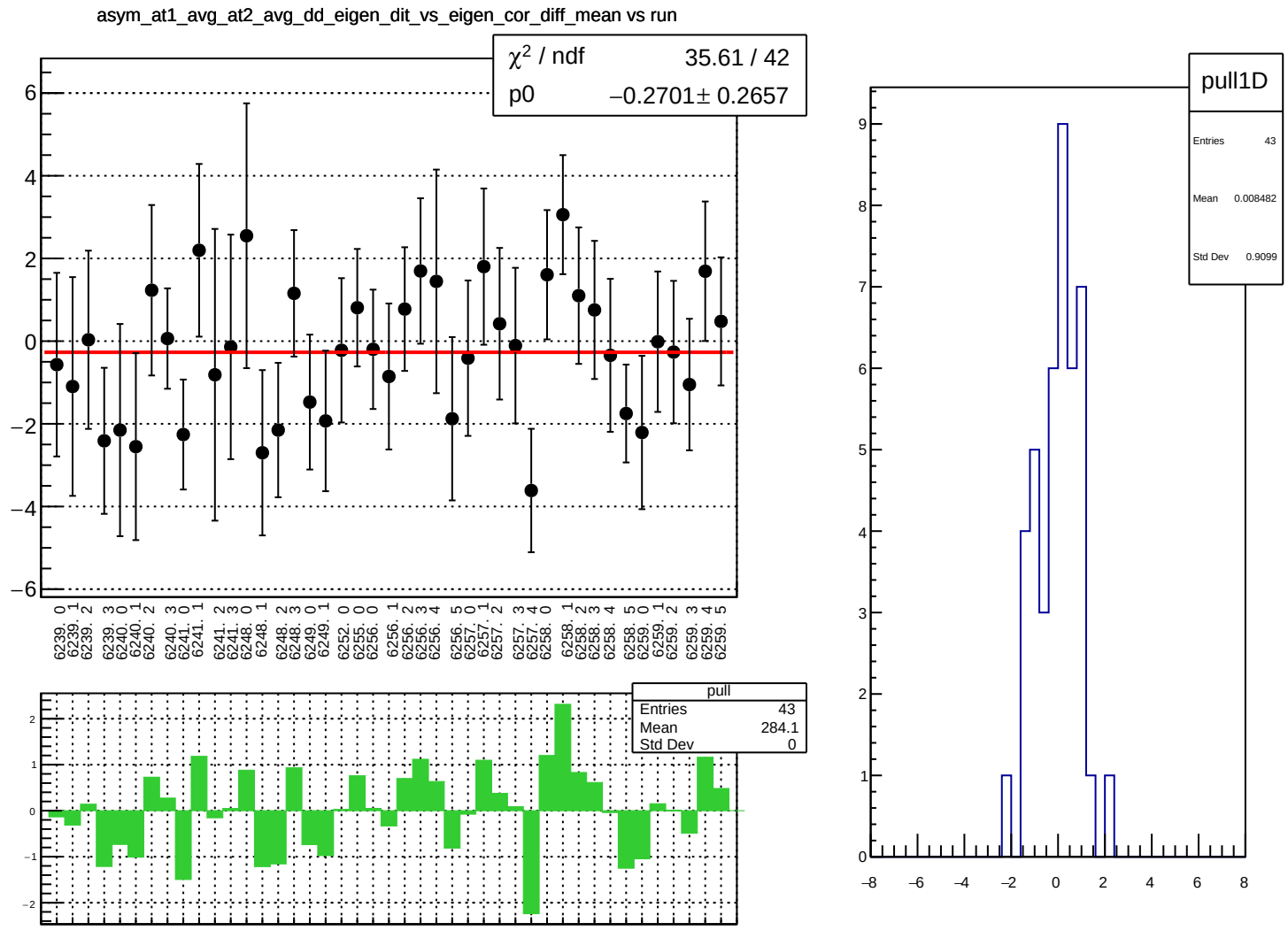

pull1D
Entries 43
Mean −0.07441
Std Dev 0.9149

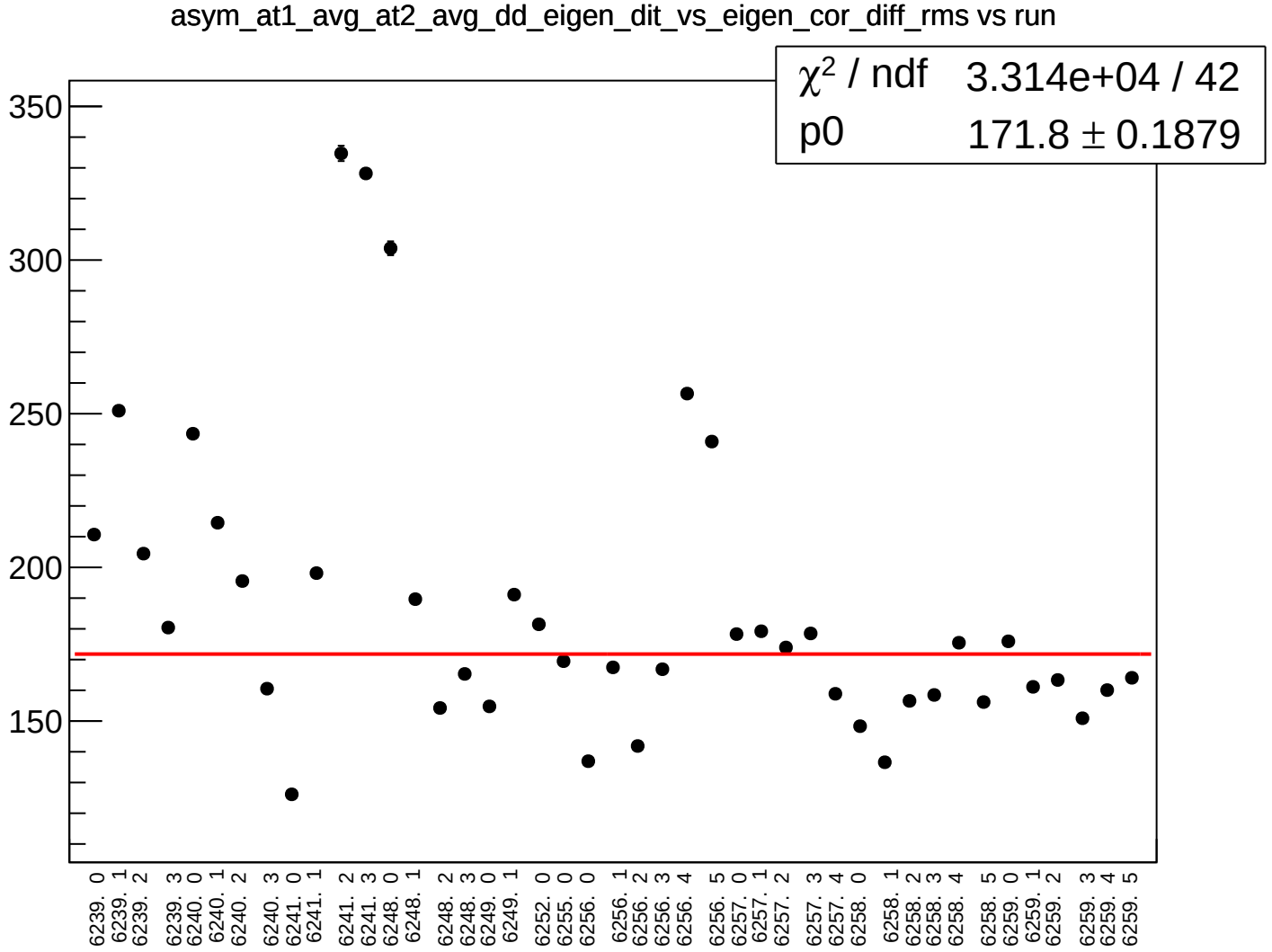

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.259e+05 / 42
p0 0.002699 ± 3.13e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

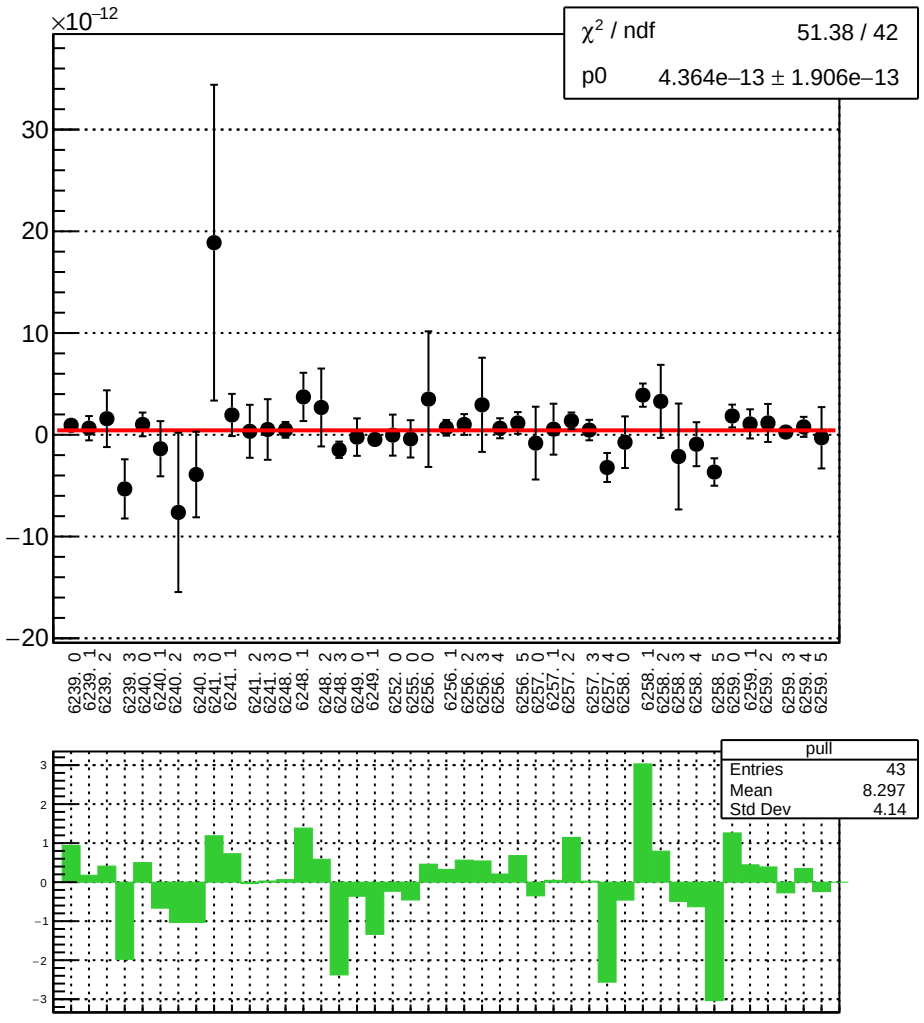

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

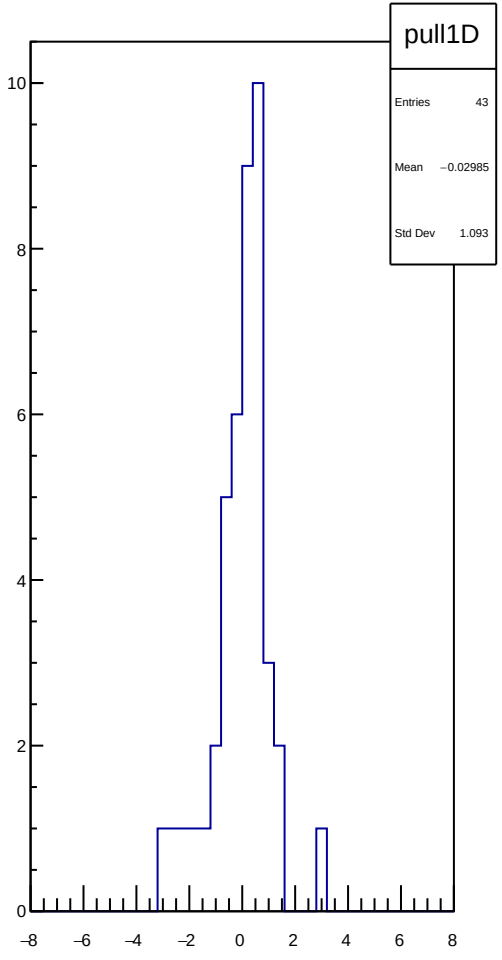

pull1D
Entries 43
Mean 0.008482
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

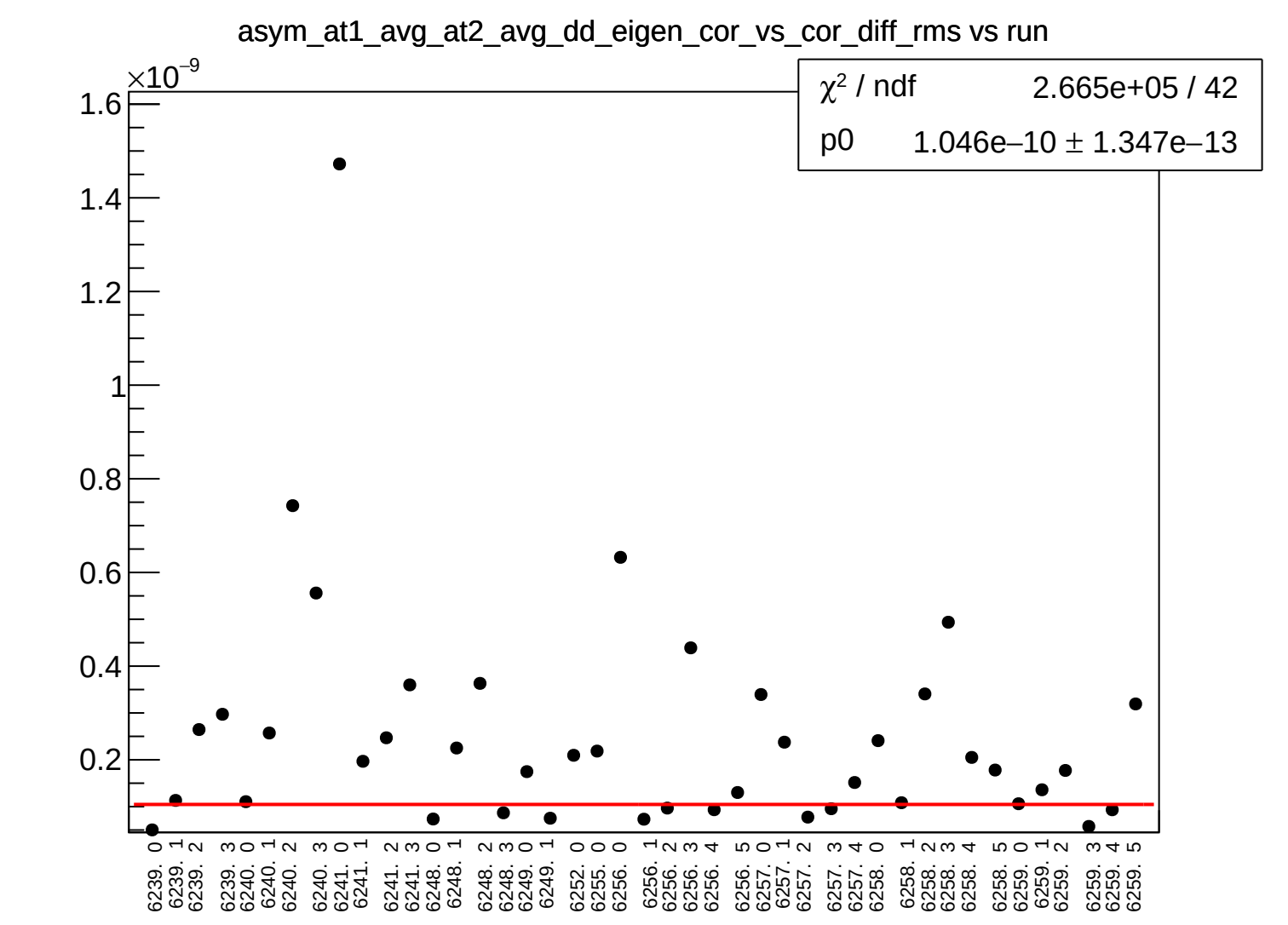

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

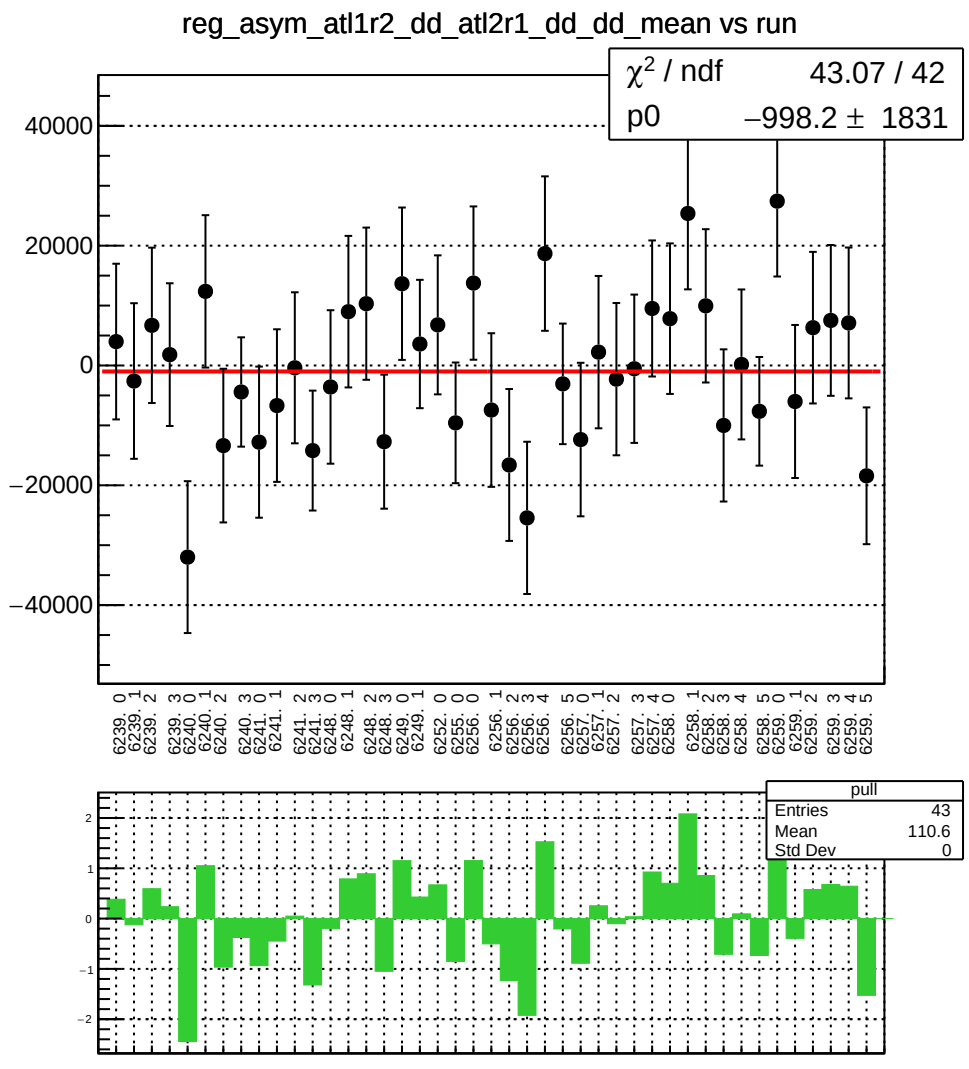

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
pull1D
Entries 43
Mean 0.008482
Std Dev 0.9099

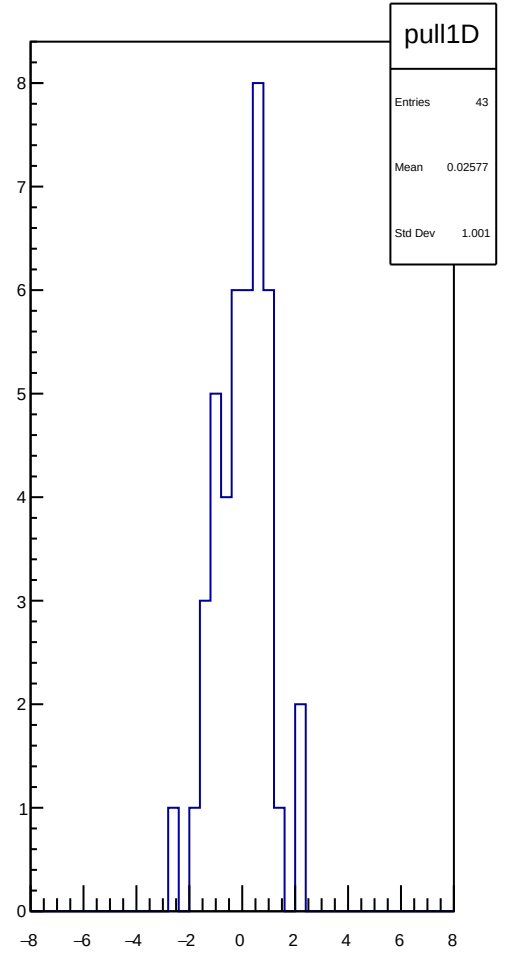

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

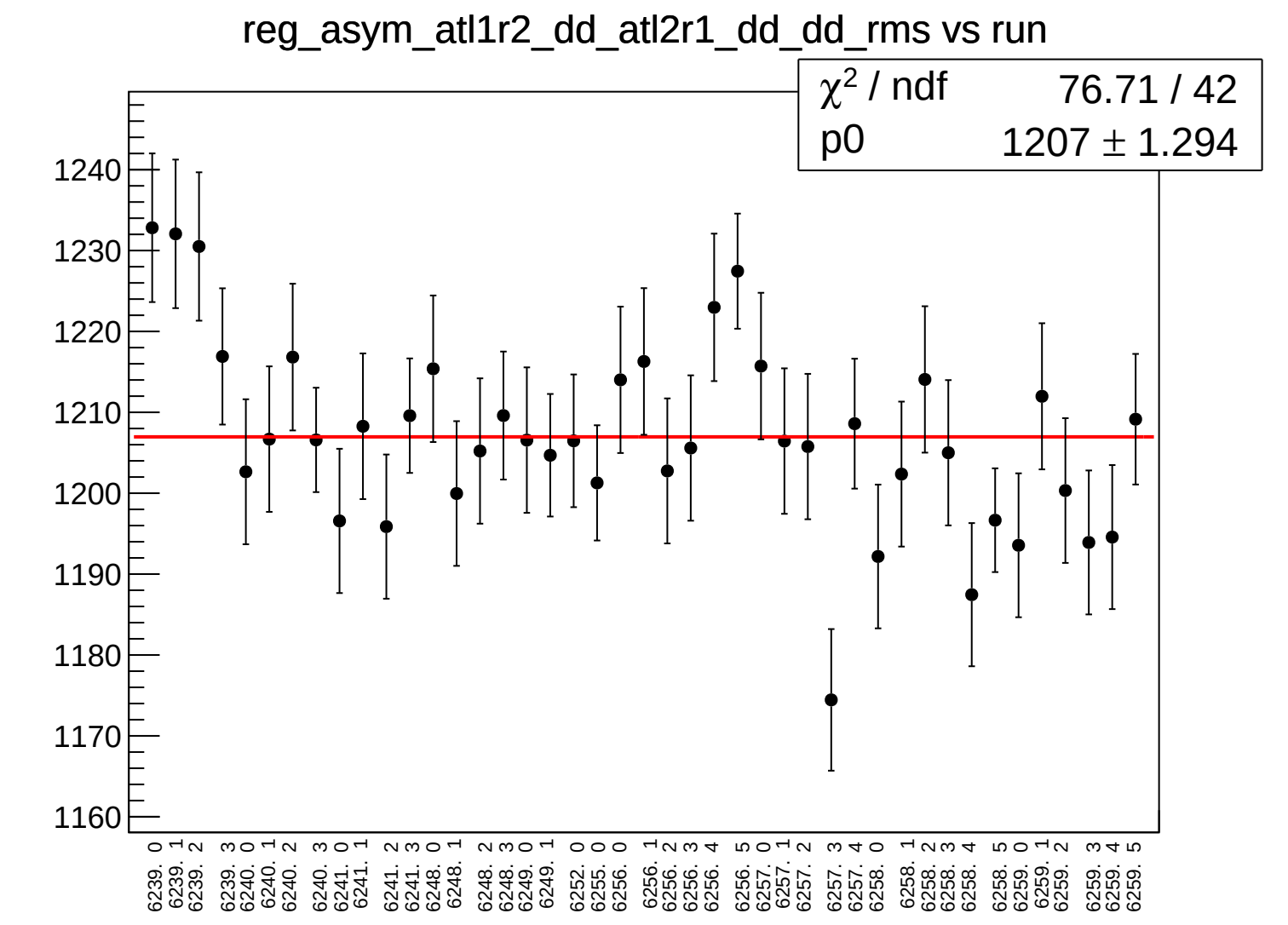

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.38 / 42
p0 4.364e−13 ± 1.906e−13
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.297
Std Dev 4.14
3
2
1
0
−1
−2
−3

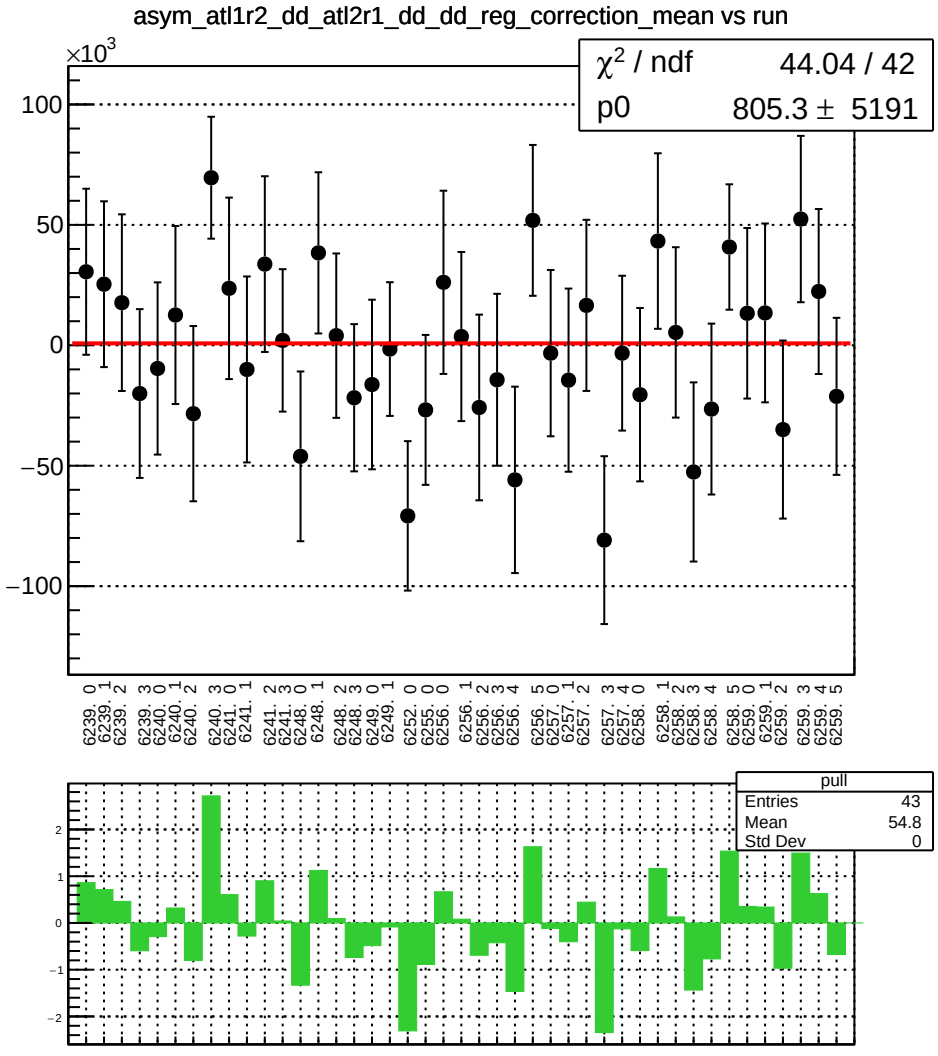

pull1D
Entries 43
Mean −0.02985
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

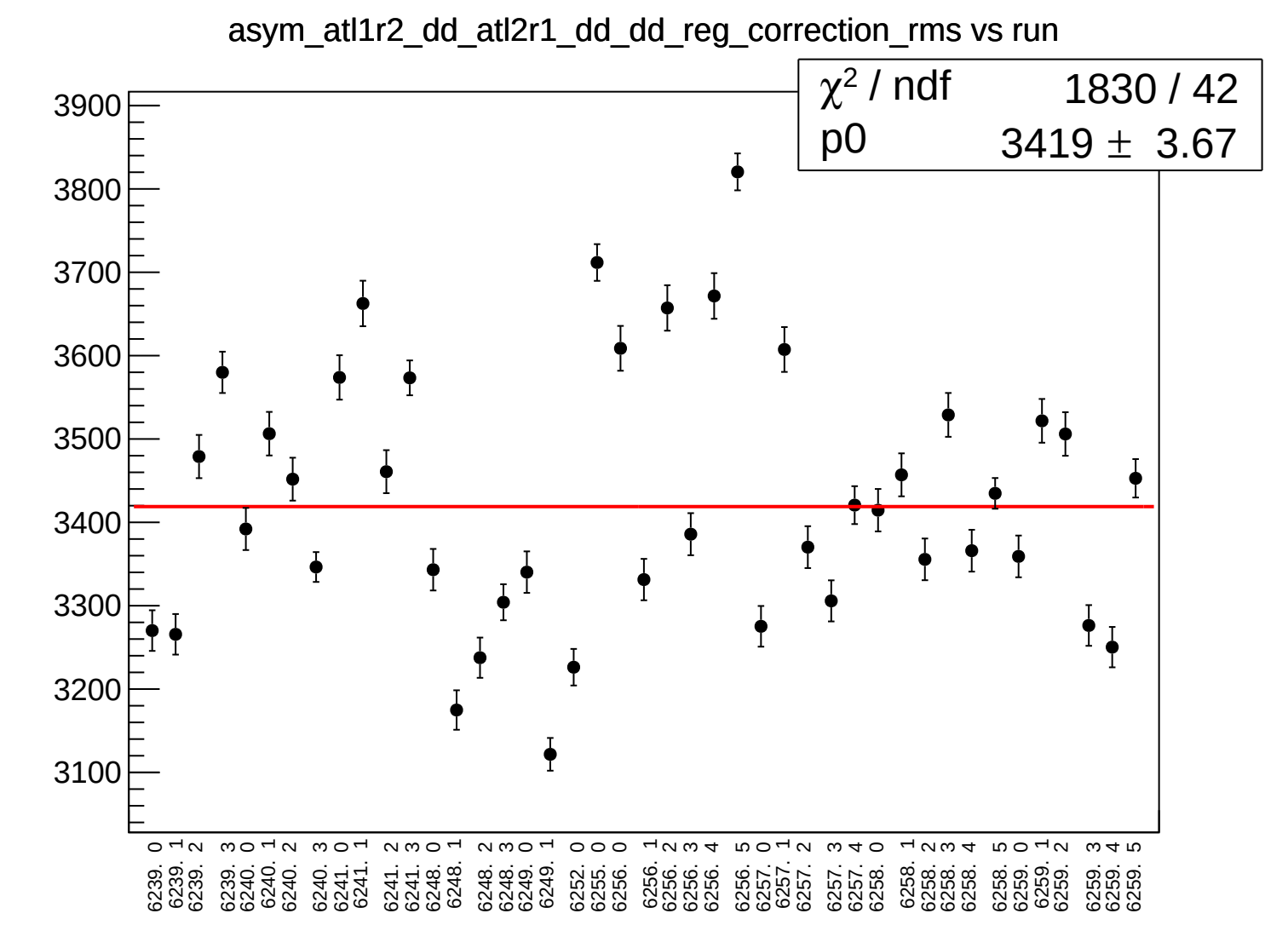

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.665e+05 / 42
p0 1.046e−10 ± 1.347e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

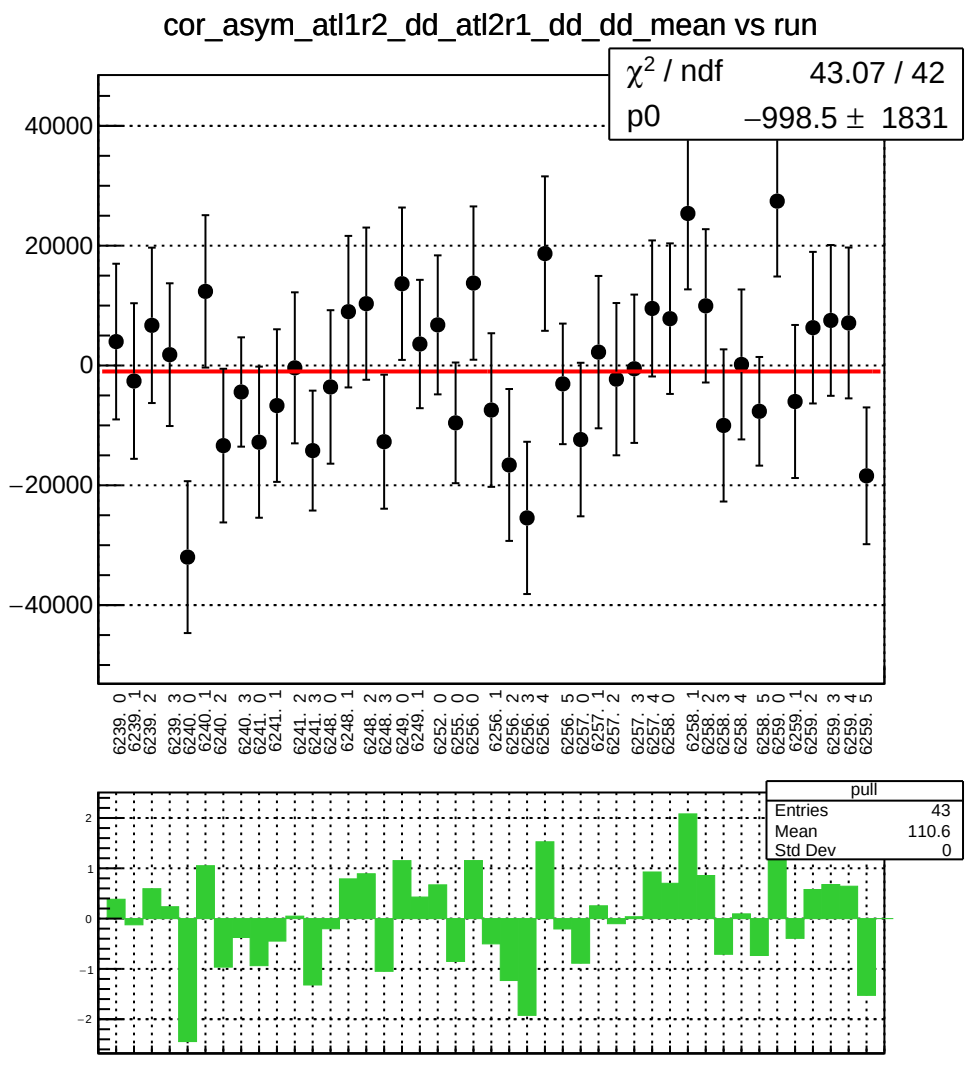

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 43.07 / 42
p0 −998.2 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2

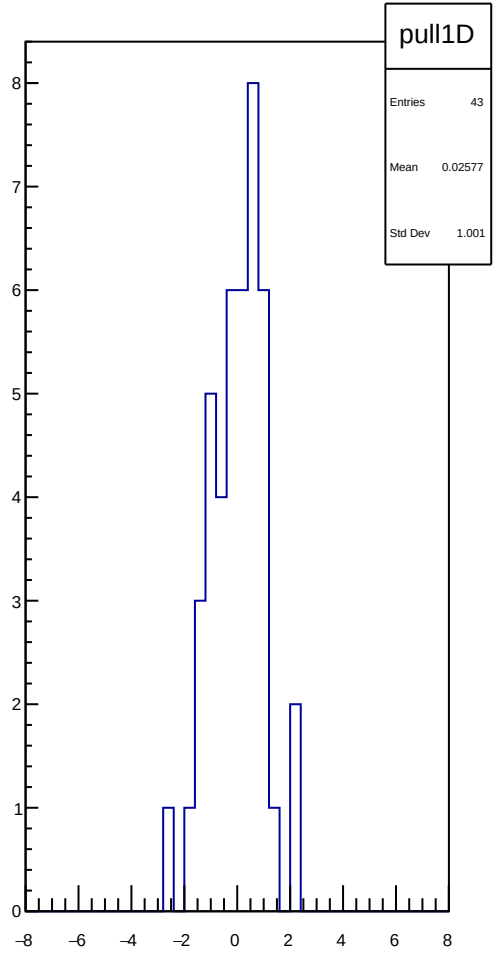

pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

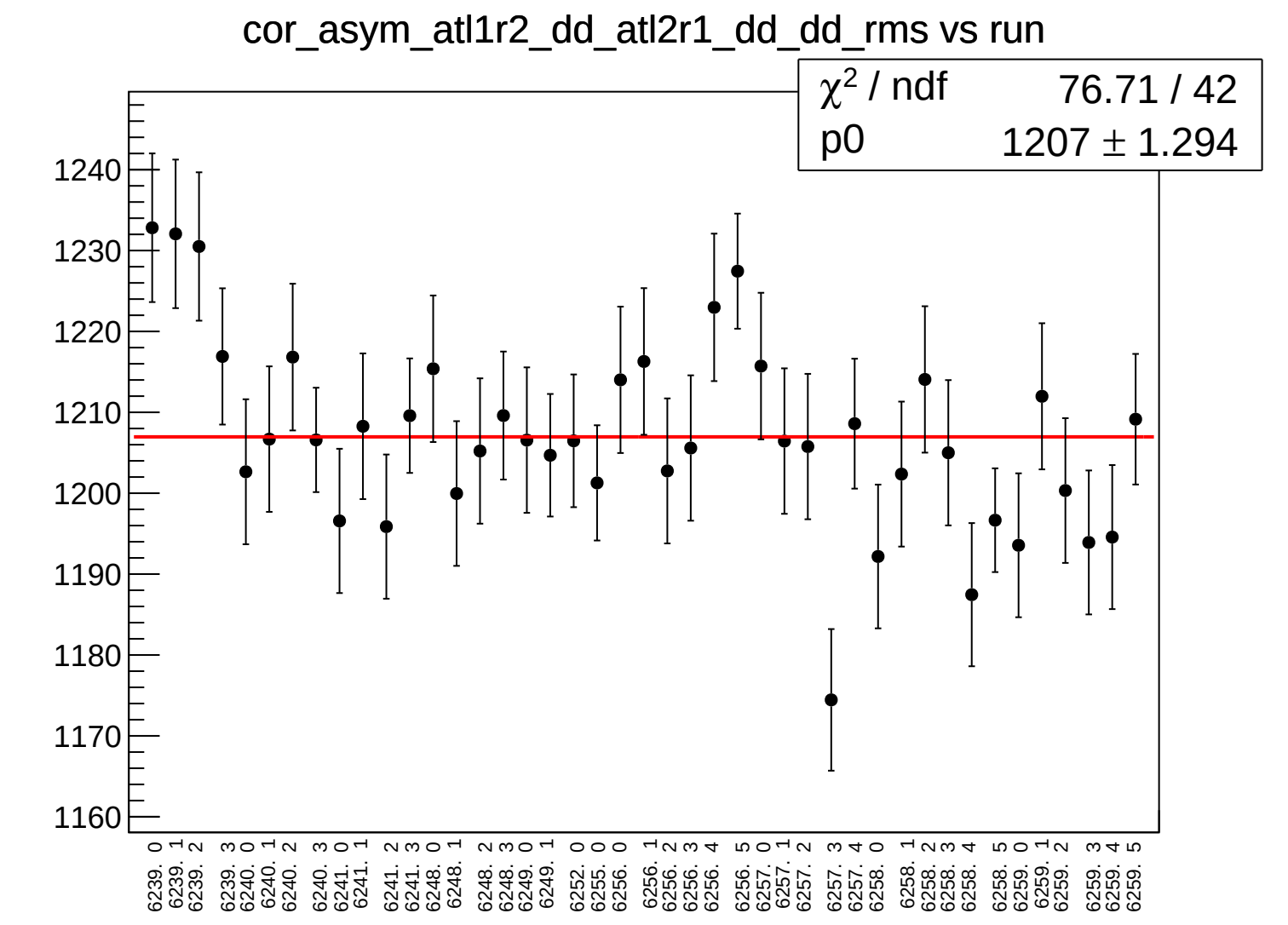

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03505
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 43.07 / 42
p0 −998.5 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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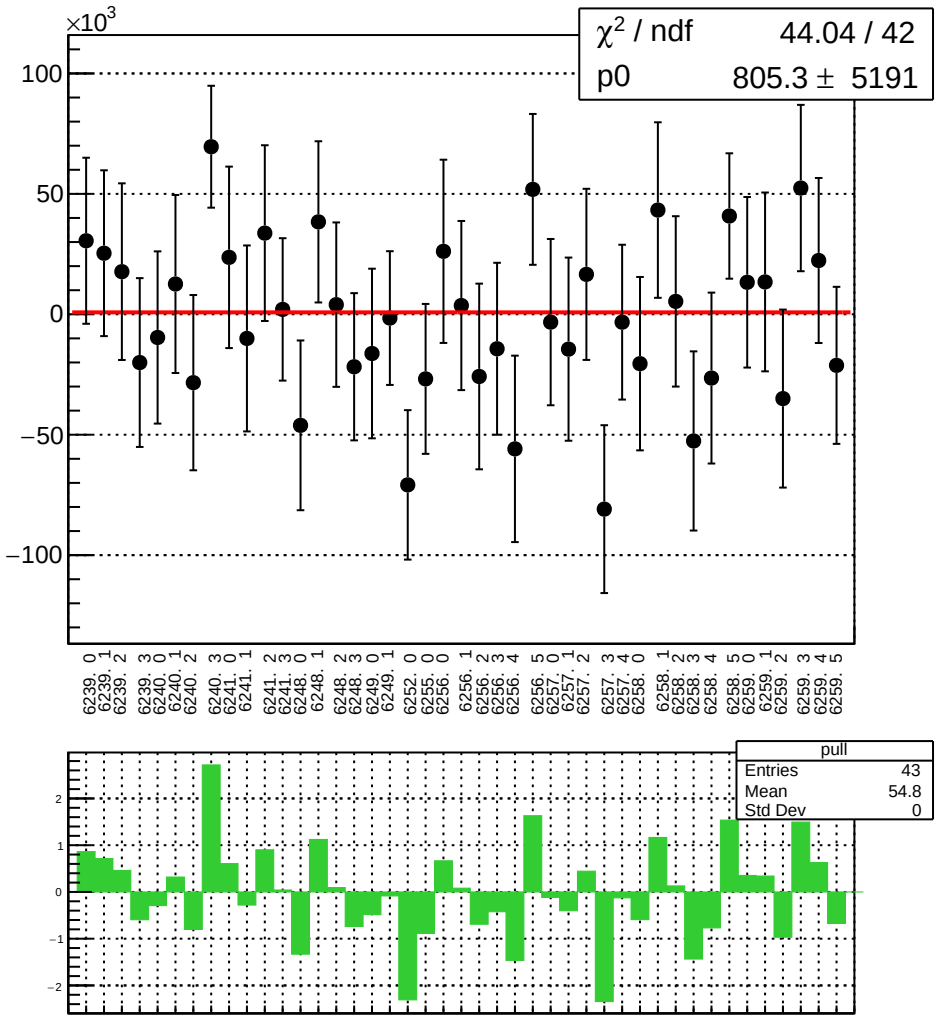
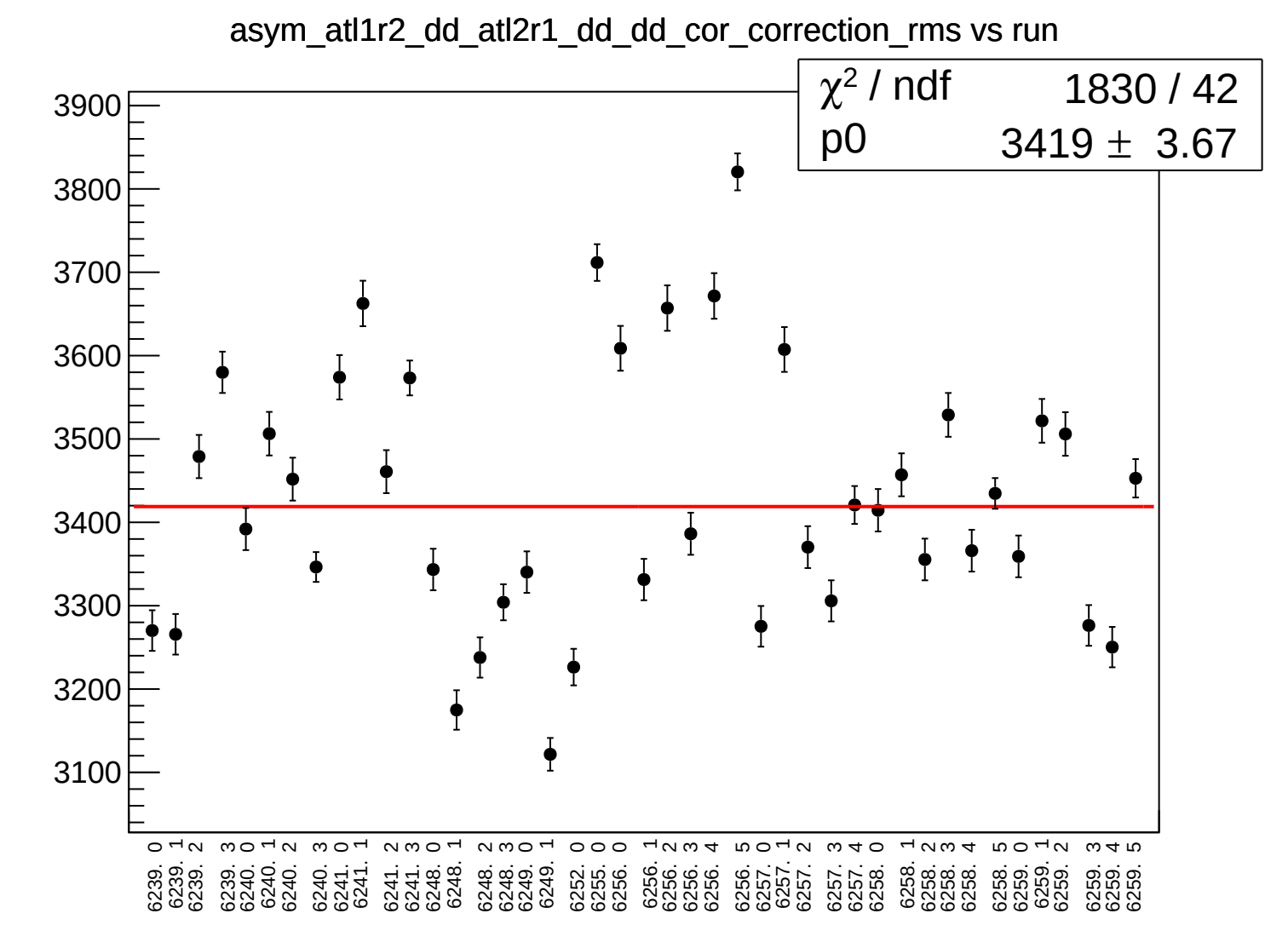
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03506
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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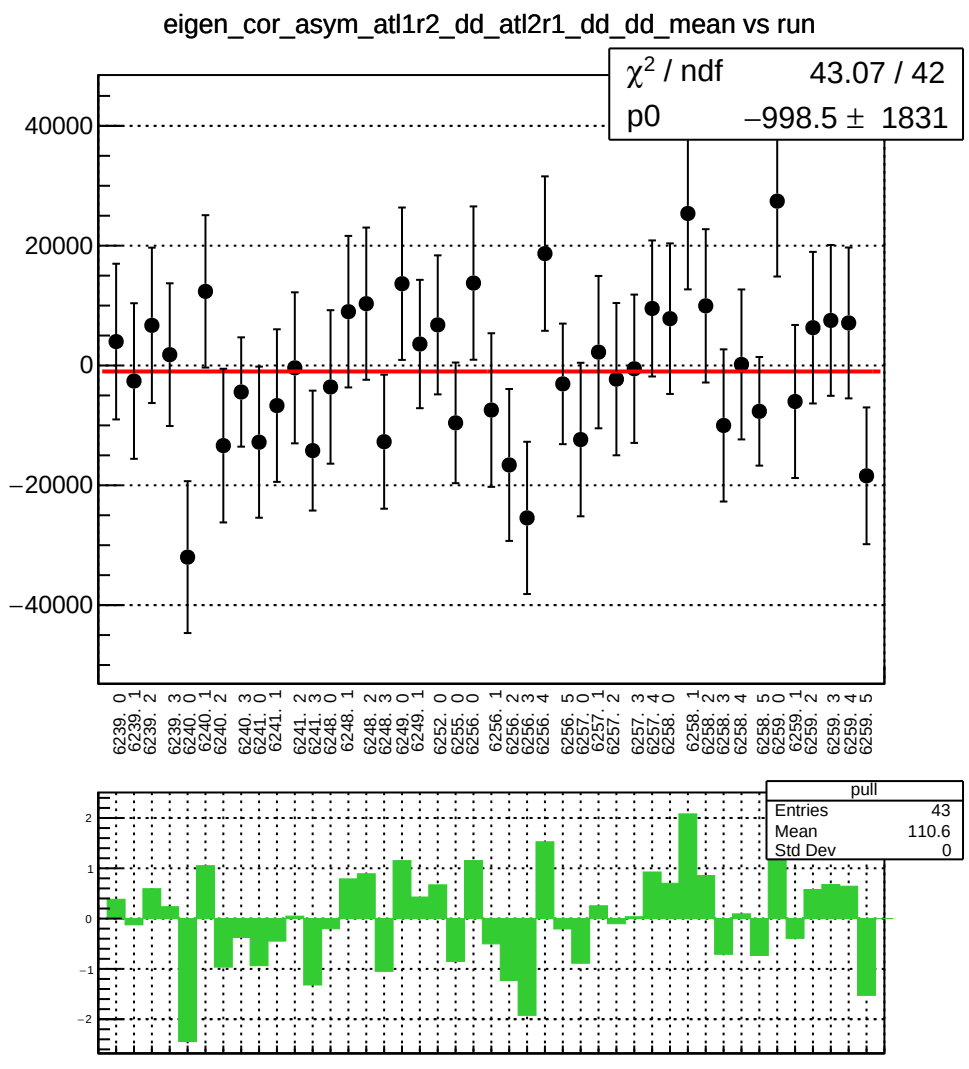
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 43.07 / 42
p0 −998.5 ± 1831
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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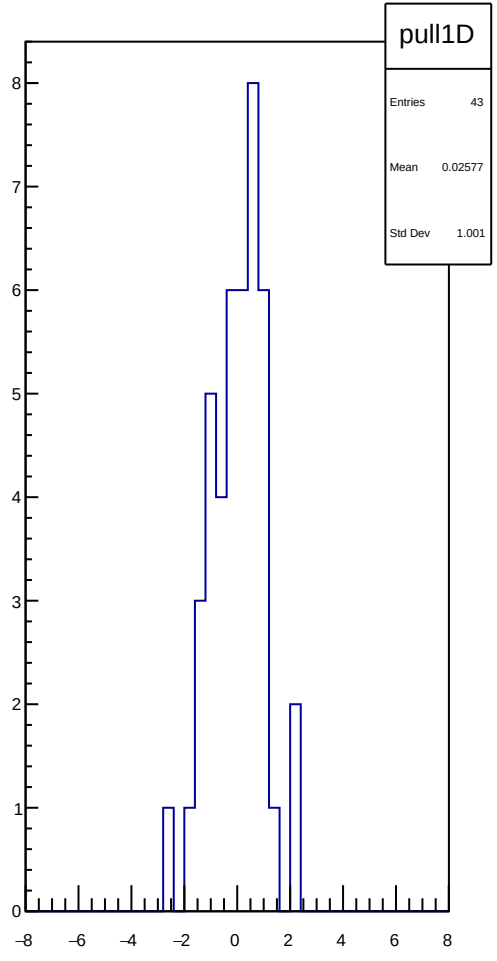
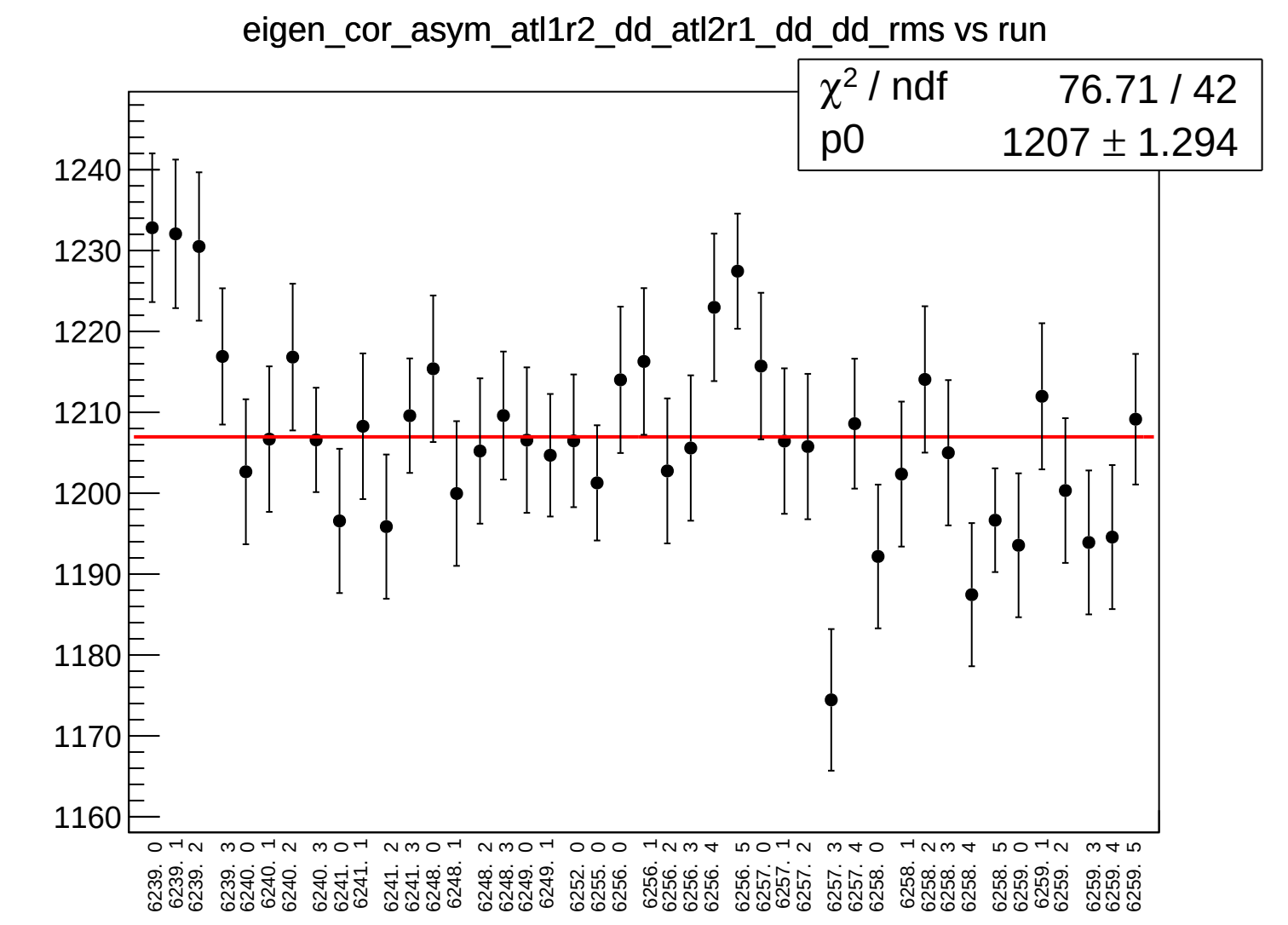
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.02577
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 76.71 / 42
p0 1207 ± 1.294
1240
1230
1220
1210
1200
1190
1180
1170
1160
6239. 0
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6241. 0
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6249. 1
6252. 0
6255. 0
6256. 0
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6256. 3
6256. 4
6256. 5
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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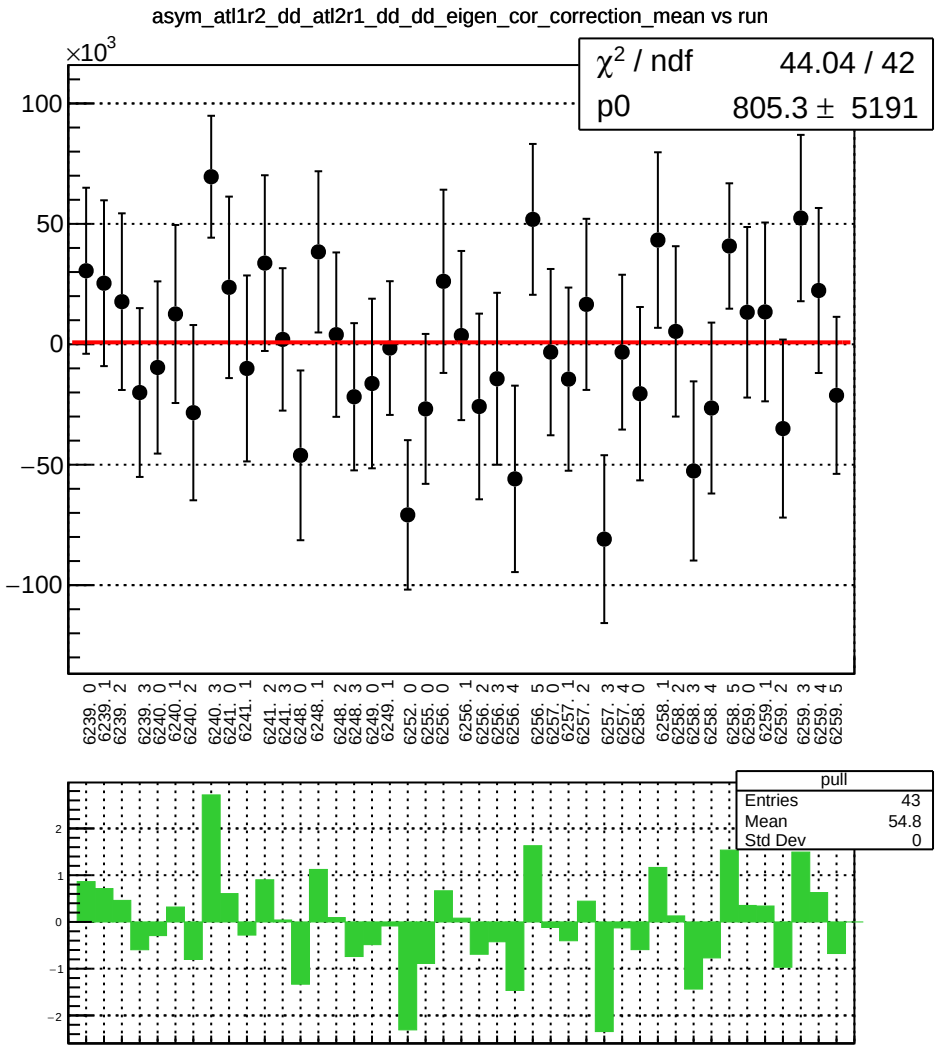
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.04 / 42
p0 805.3 ± 5191
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
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6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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6256. 5
6257. 0
6257. 1
6257. 2
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6258. 0
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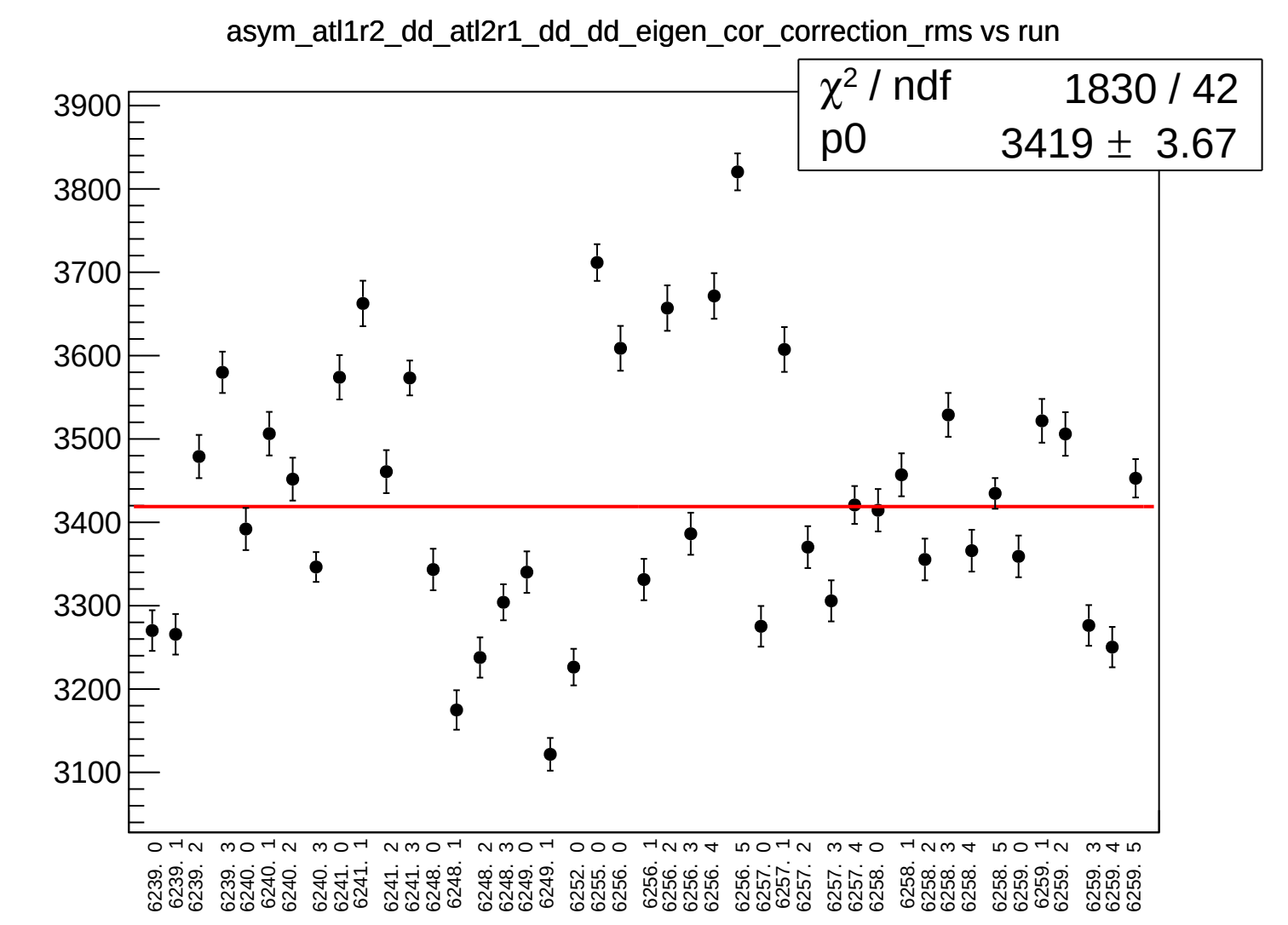
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03506
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1830 / 42
p0 3419 ± 3.67
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
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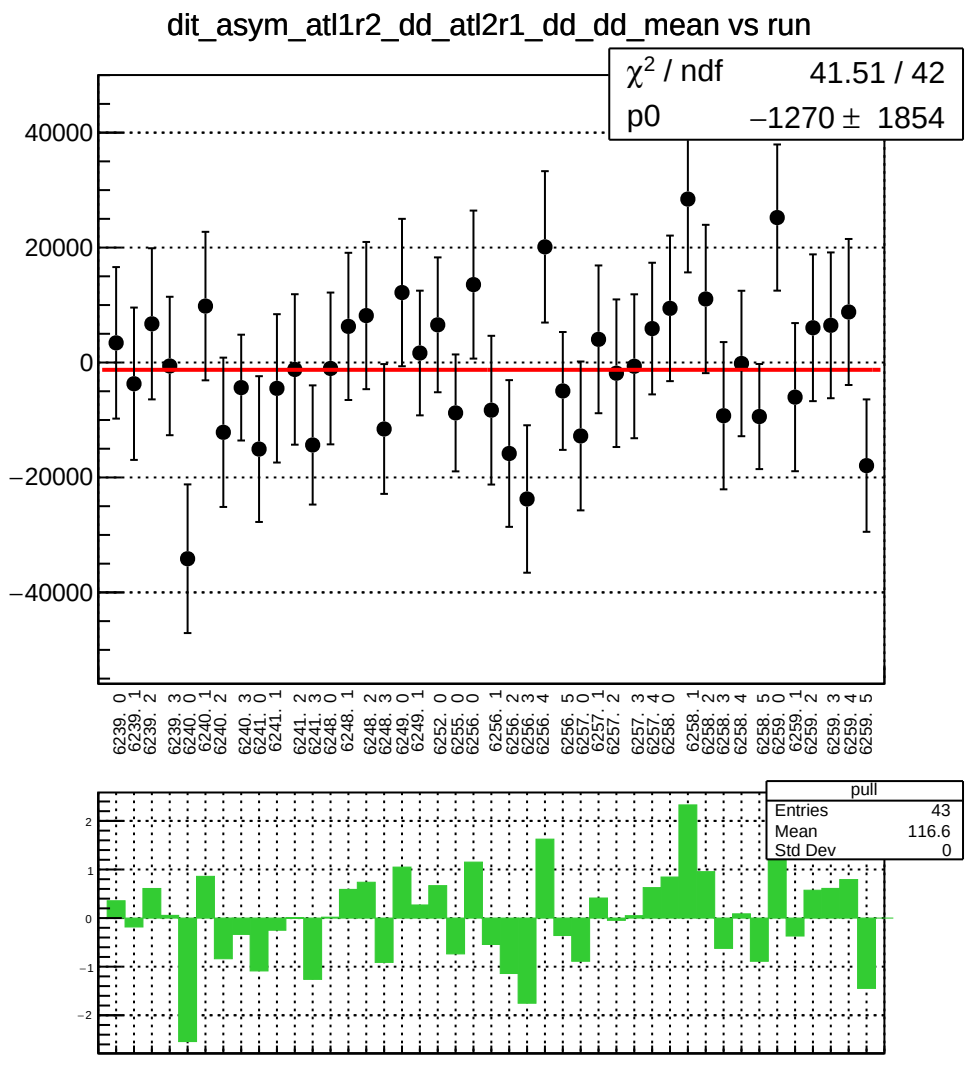
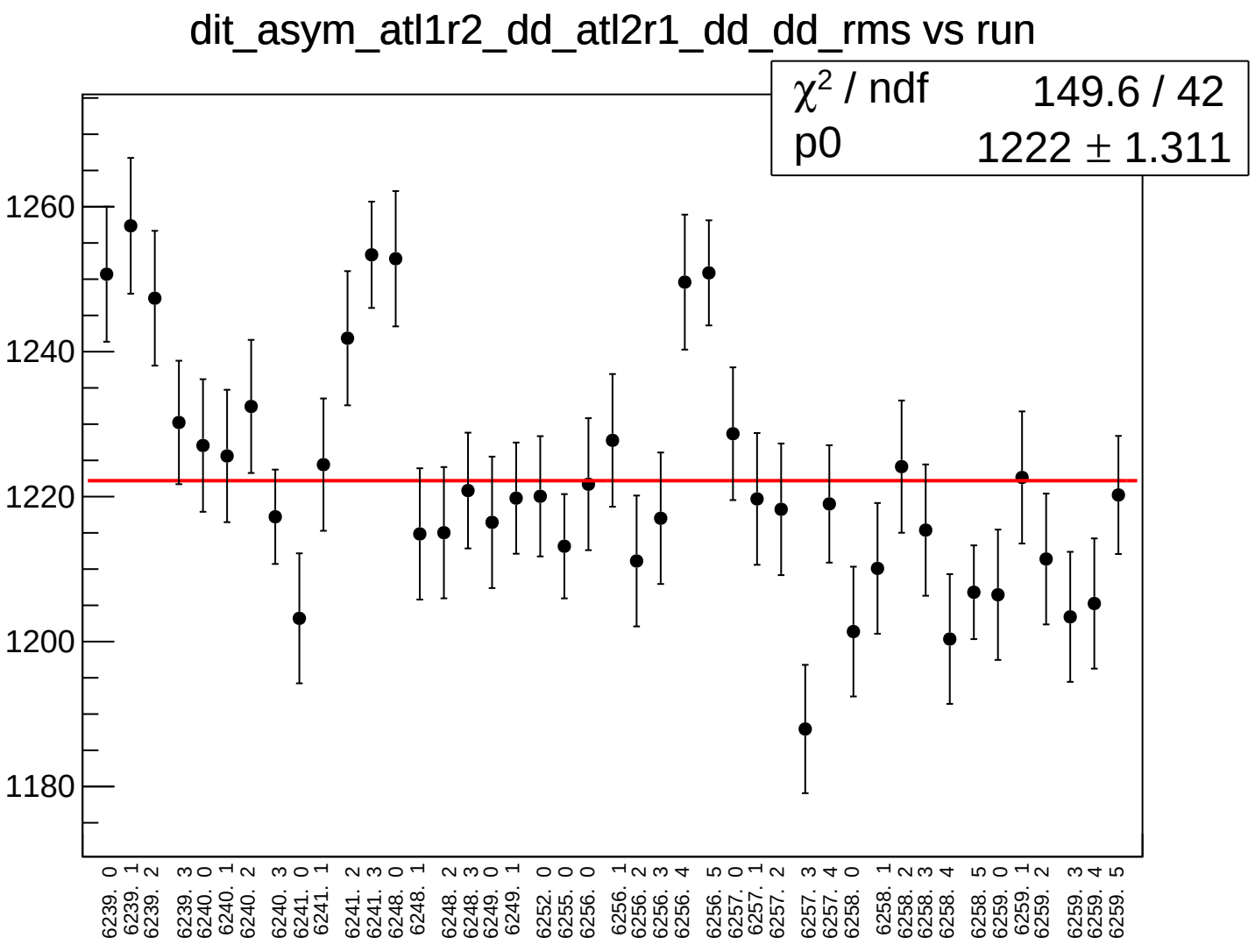
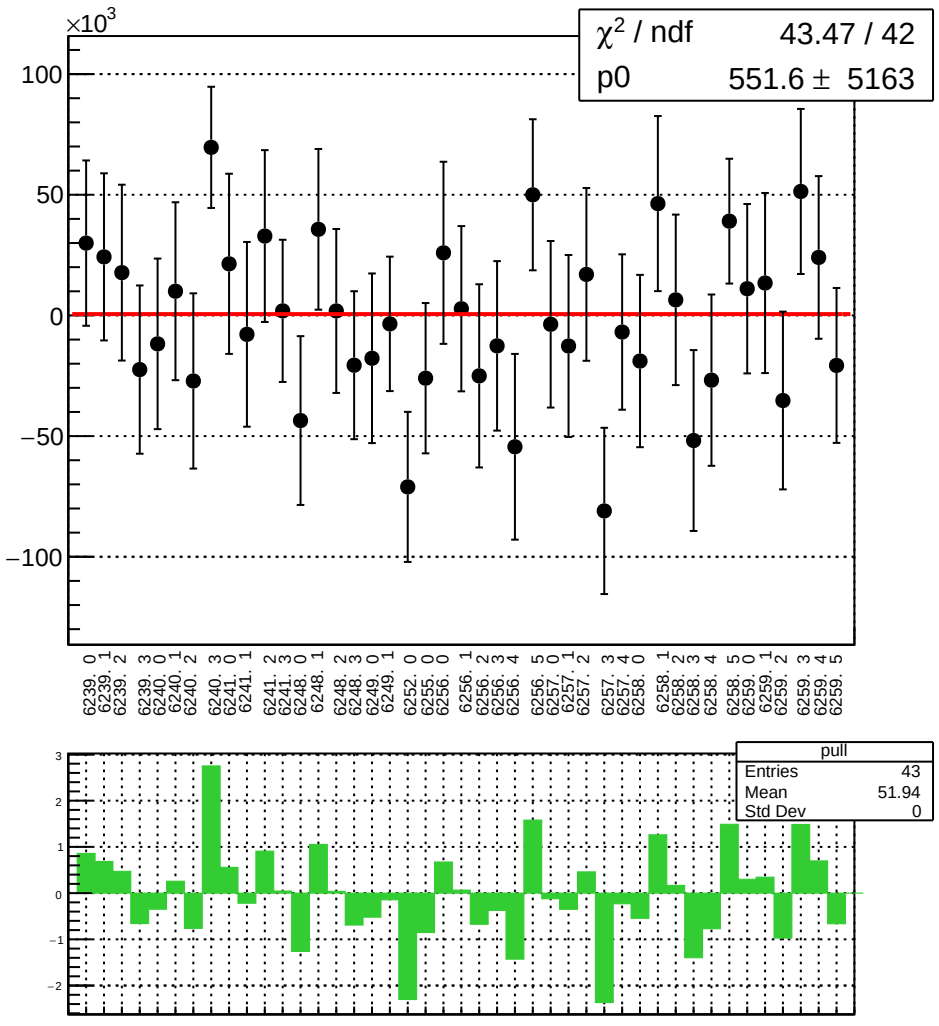
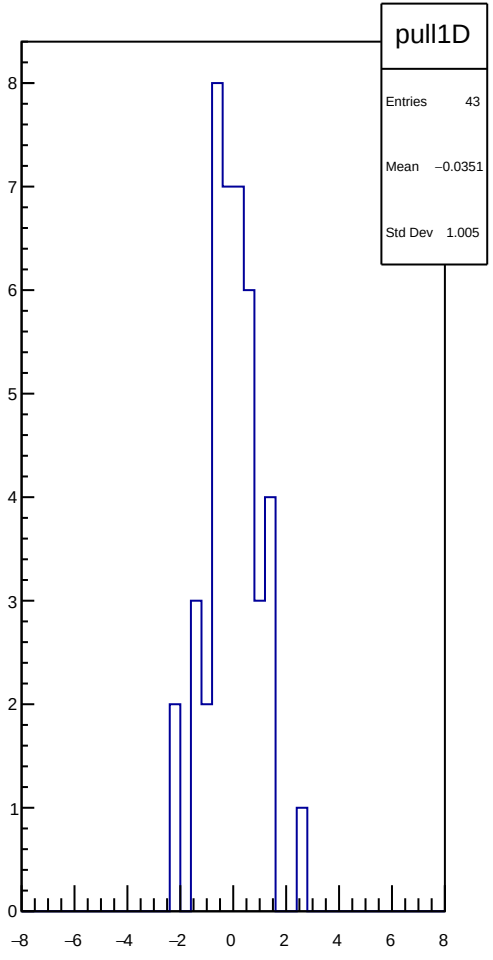
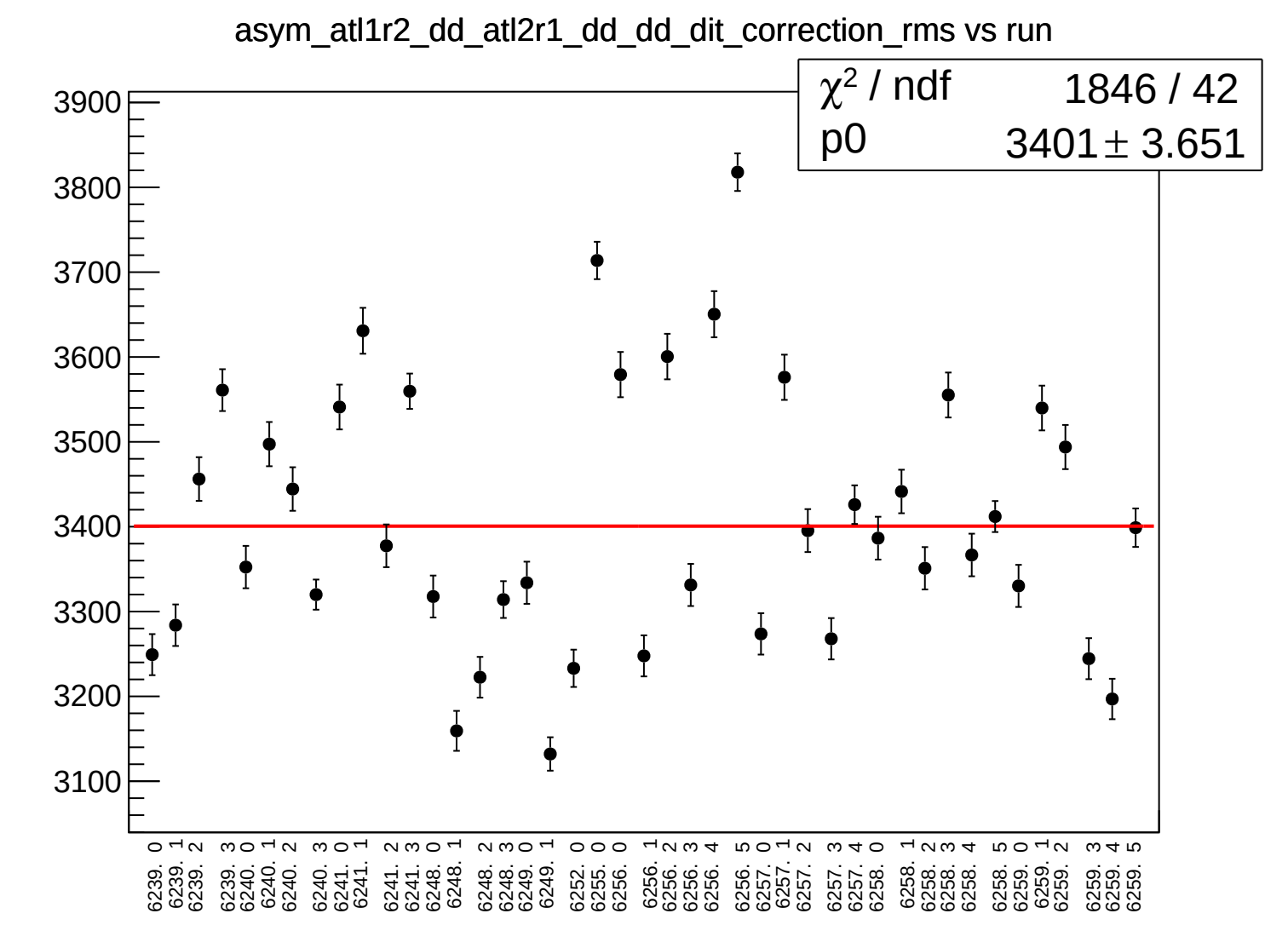
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

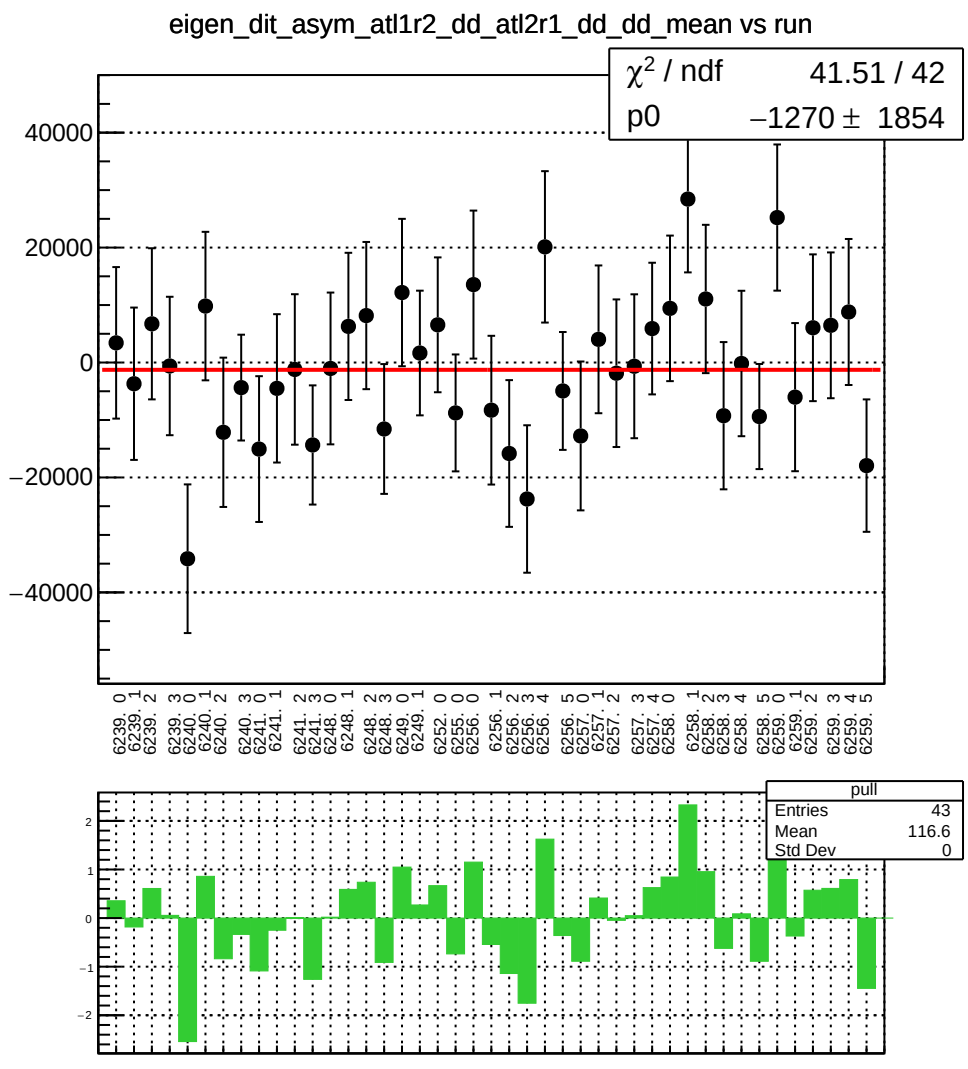

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 41.51 / 42
p0 −1270 ± 1854
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02683
Std Dev 0.9821
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

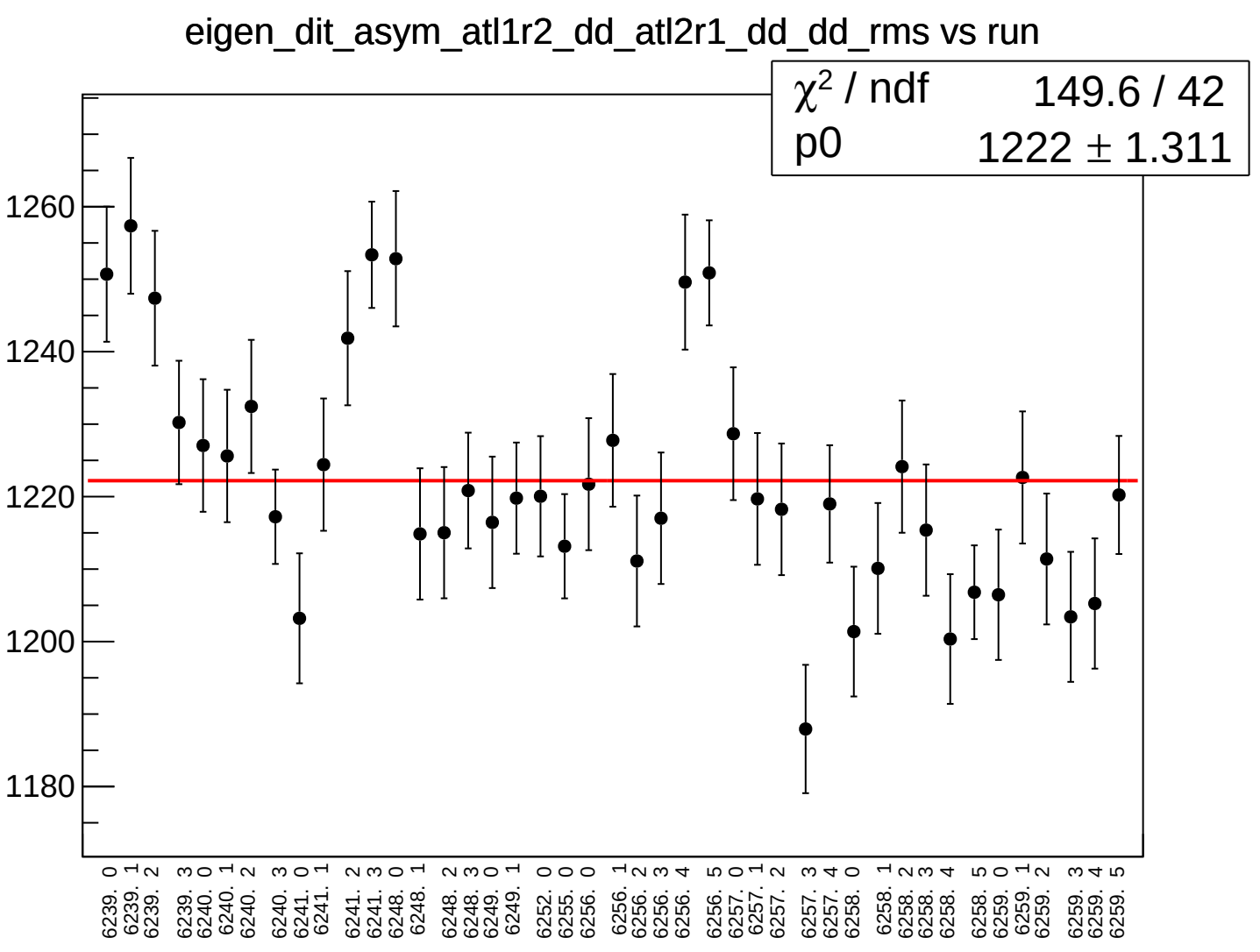

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 149.6 / 42
p0 1222 ± 1.311
1260
1240
1220
1200
1180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

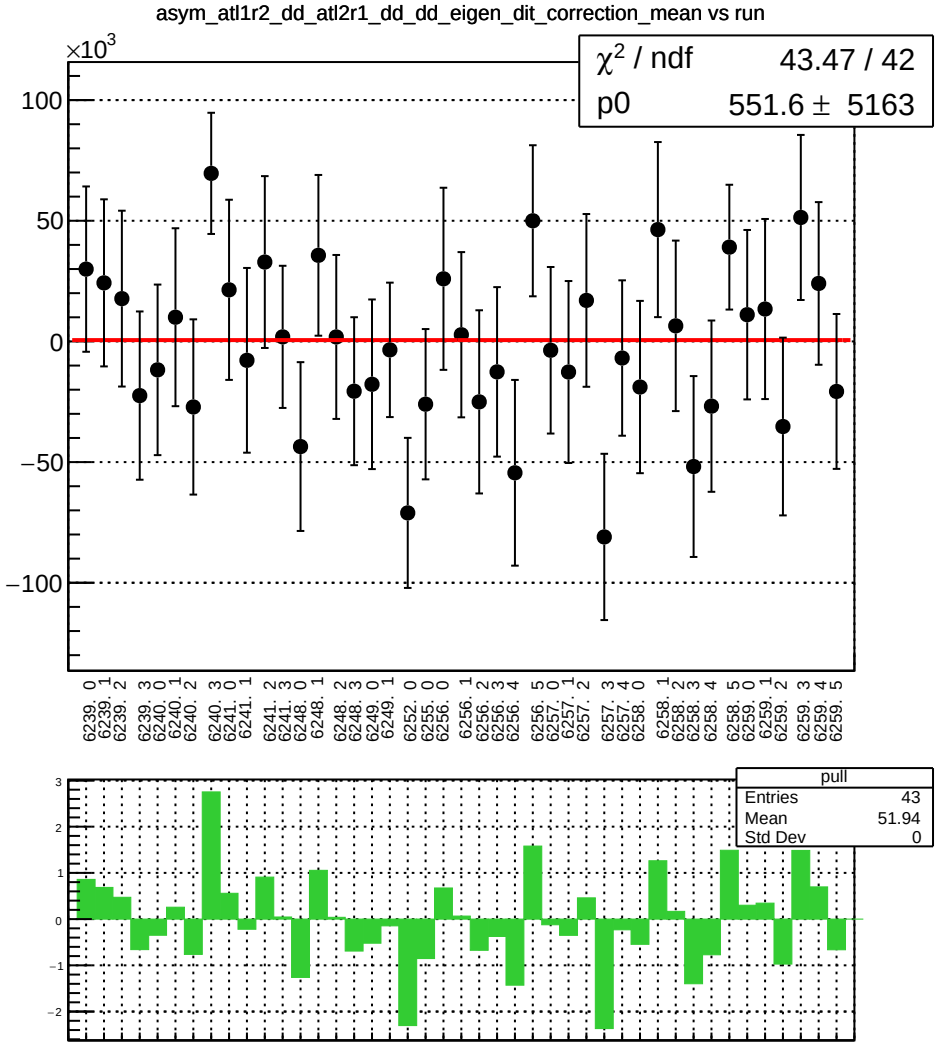

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.47 / 42
p0 551.6 ± 5163
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.94
Std Dev 0
3
2
1
0
−1
−2

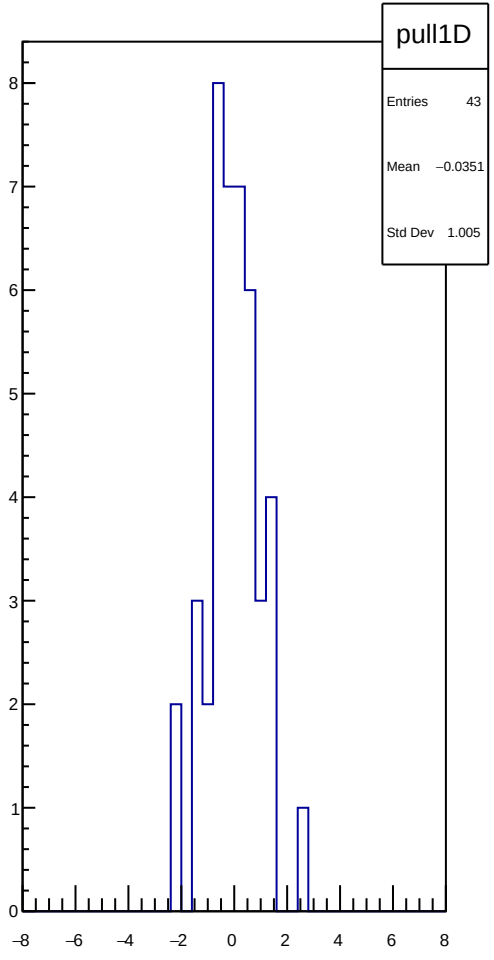

pull1D
Entries 43
Mean −0.0351
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

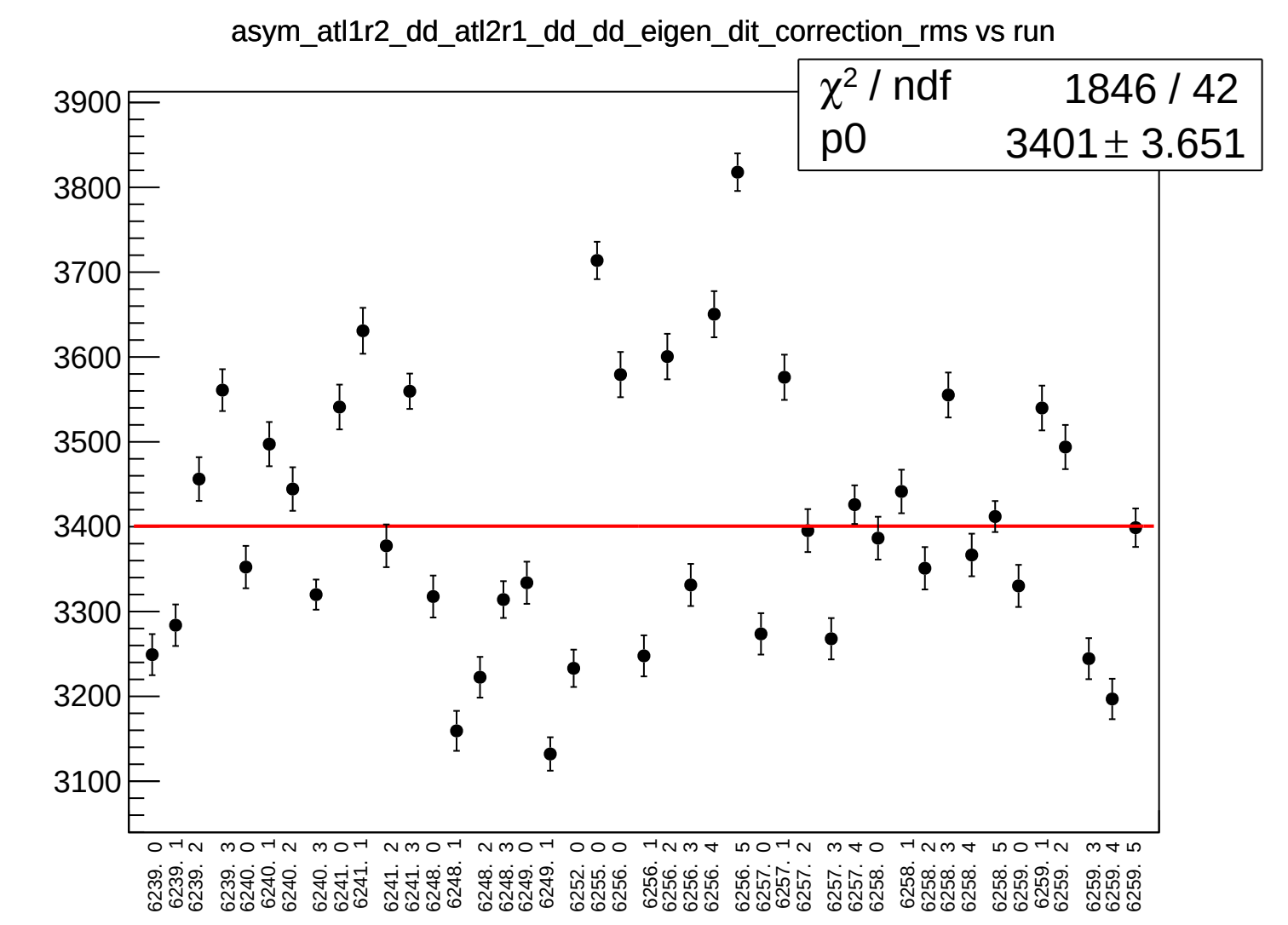

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 1846 / 42
p0 3401 ± 3.651
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

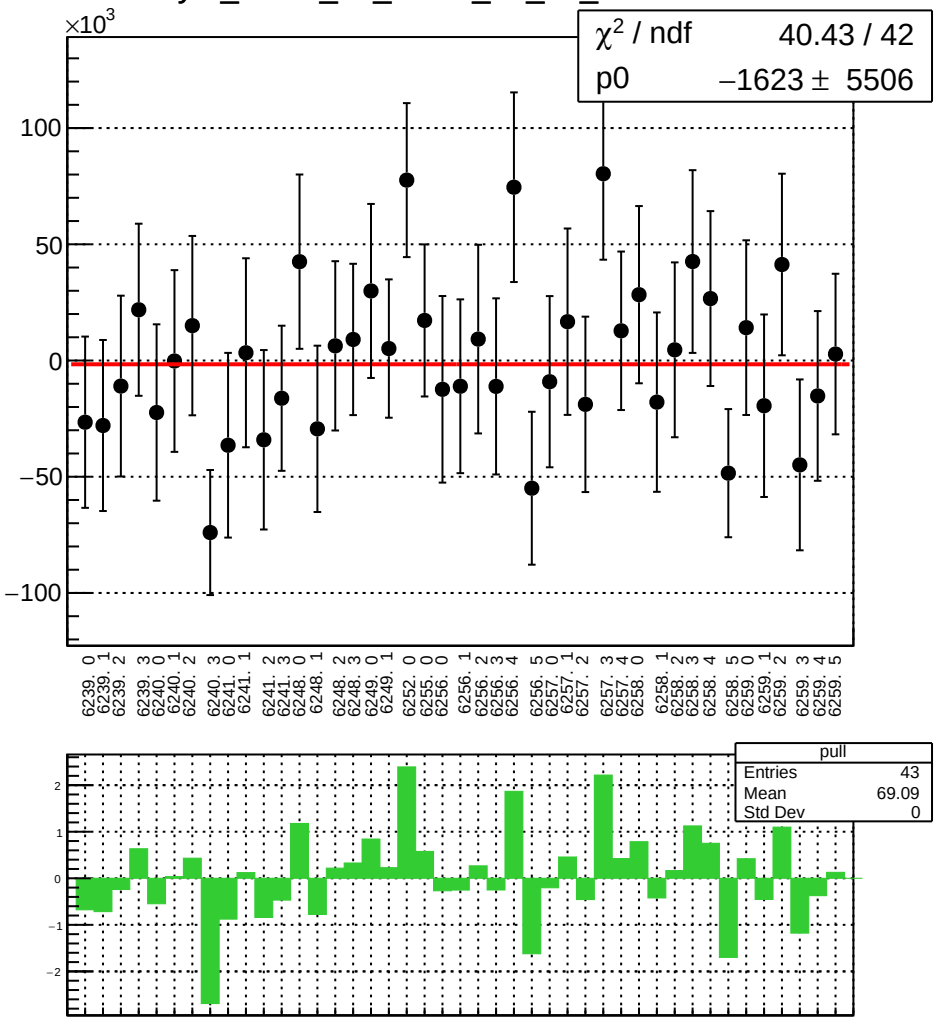

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 41.51 / 42
p0 −1270 ± 1854
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02683
Std Dev 0.9821
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

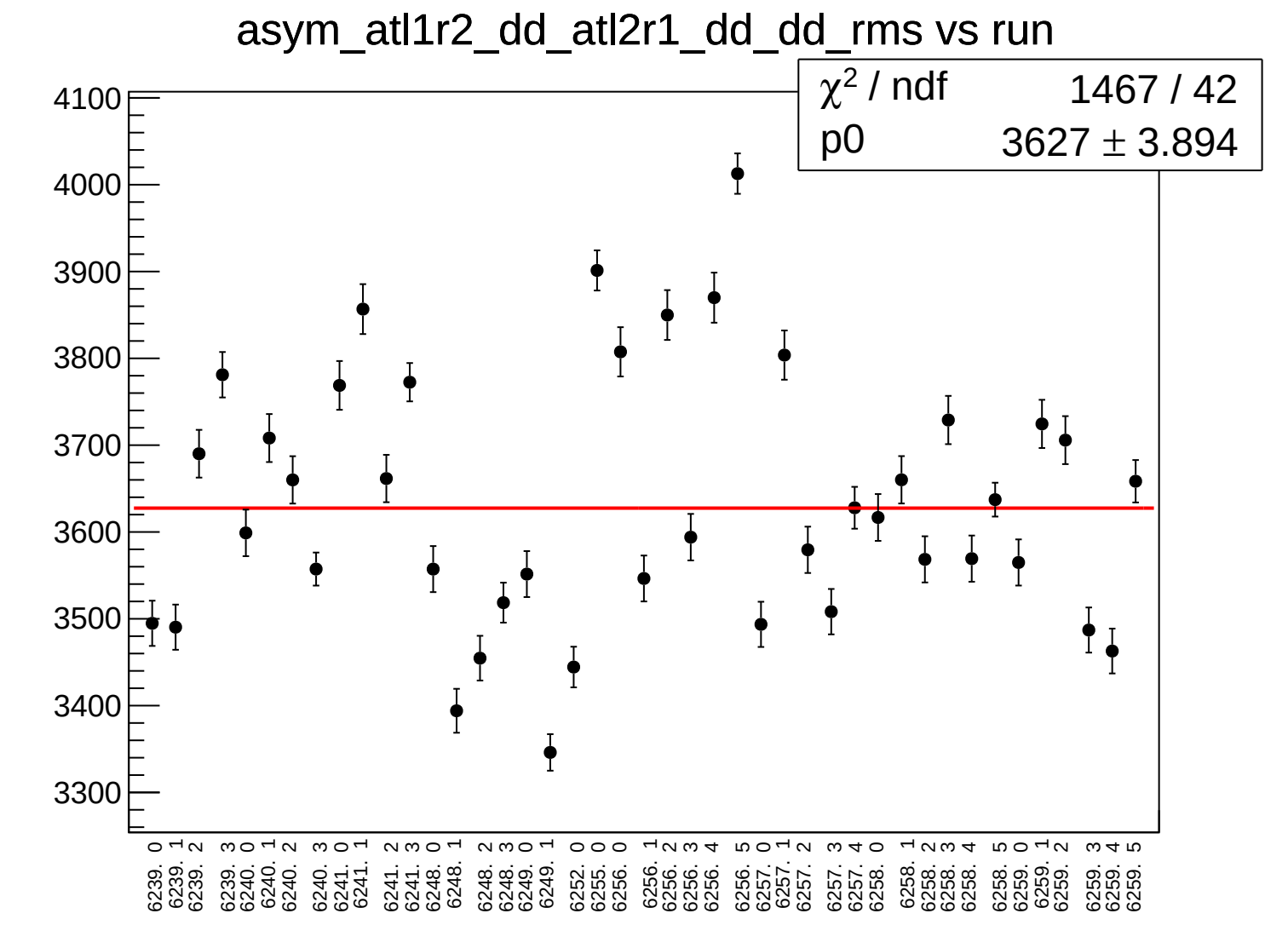

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 149.6 / 42
p0 1222 ± 1.311
1260
1240
1220
1200
1180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

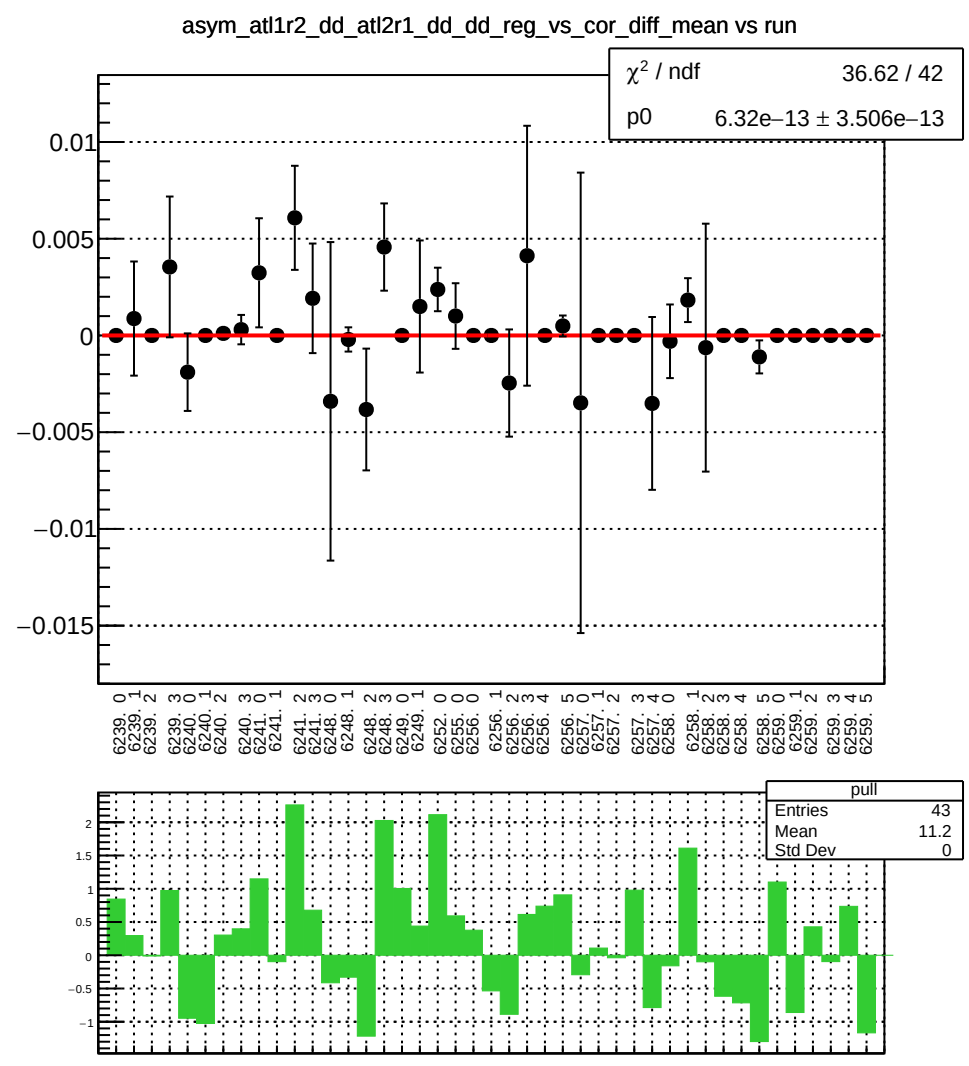

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.47 / 42
p0 551.6 ± 5163
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.94
Std Dev 0
3
2
1
0
−1
−2

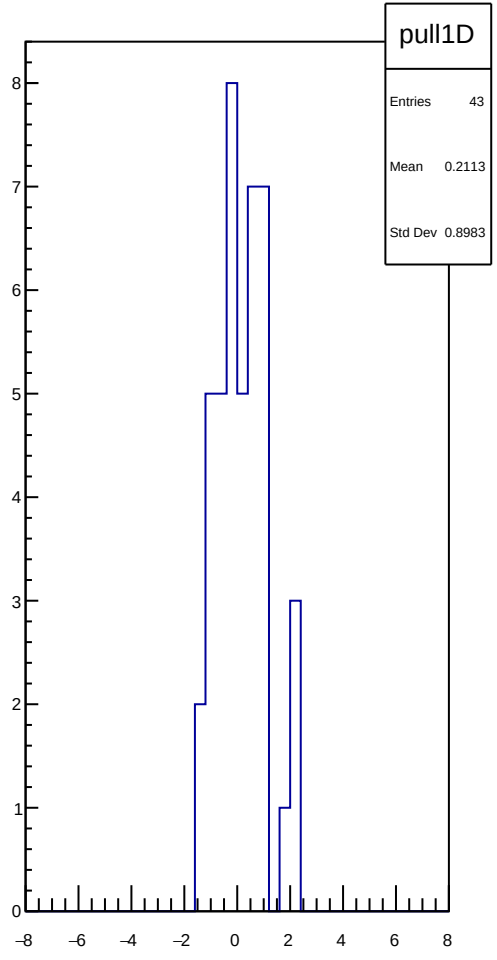

pull1D
Entries 43
Mean −0.0351
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

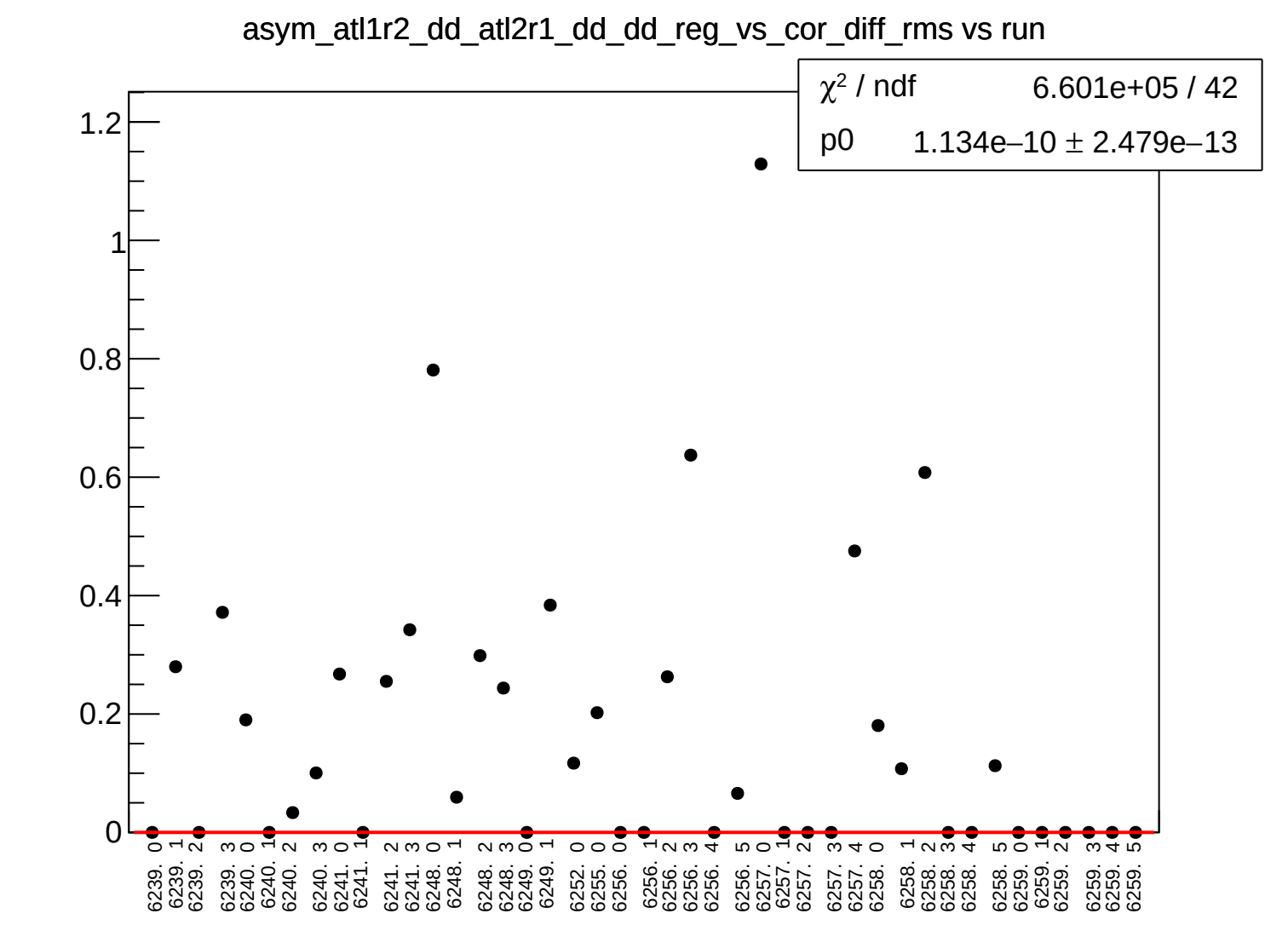

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1846 / 42
p0 3401 ± 3.651
3900
3800
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

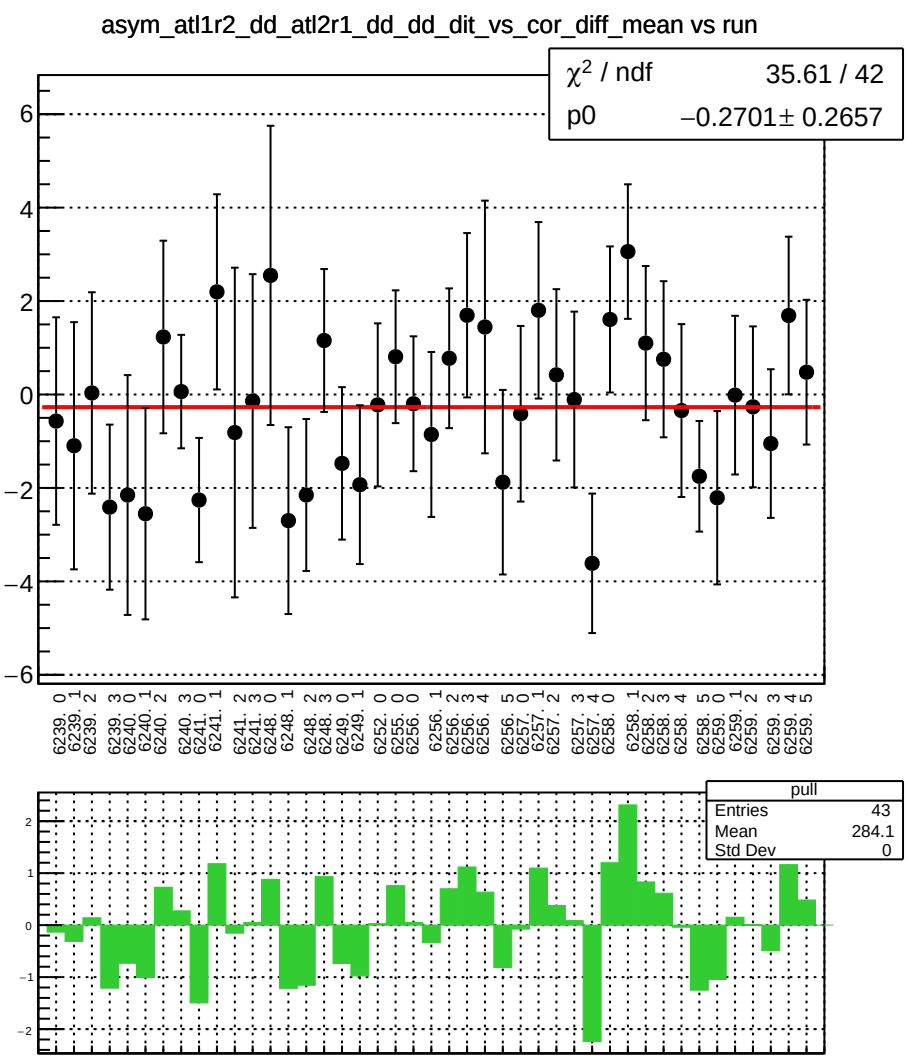

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 40.43 / 42
p0 −1623 ± 5506
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.09
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03901
Std Dev 0.9689
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

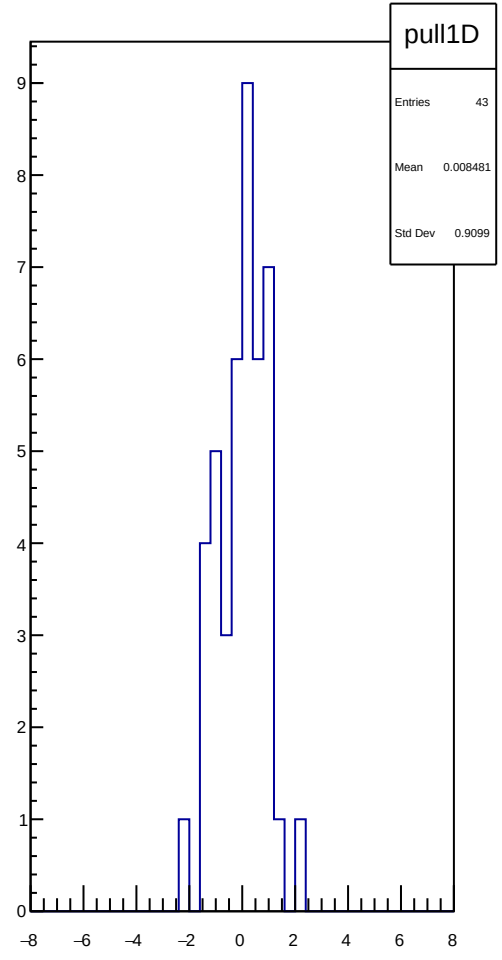

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1467 / 42
p0 3627 ± 3.894
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

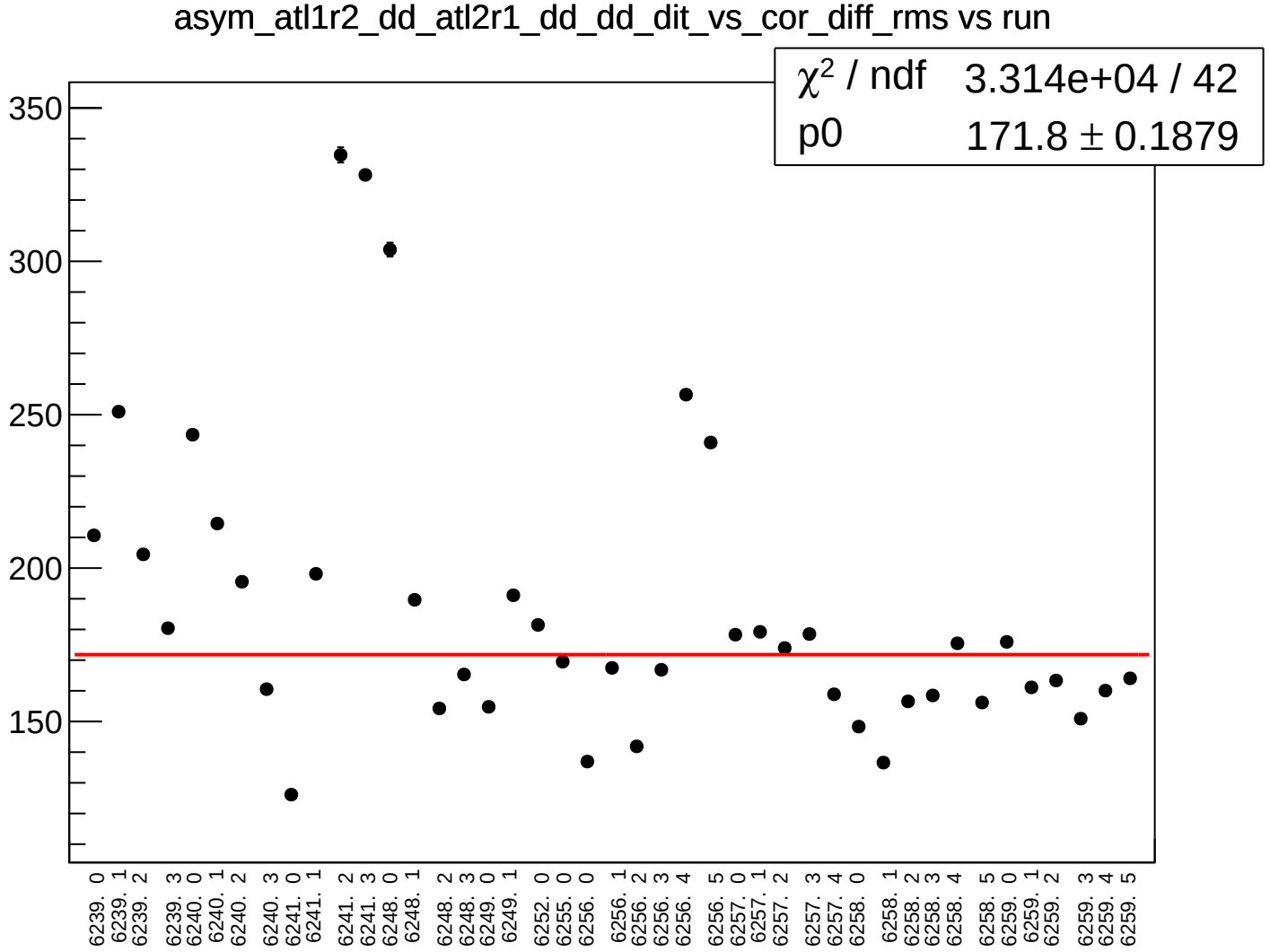

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 36.62 / 42
p0 6.32e−13 ± 3.506e−13
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

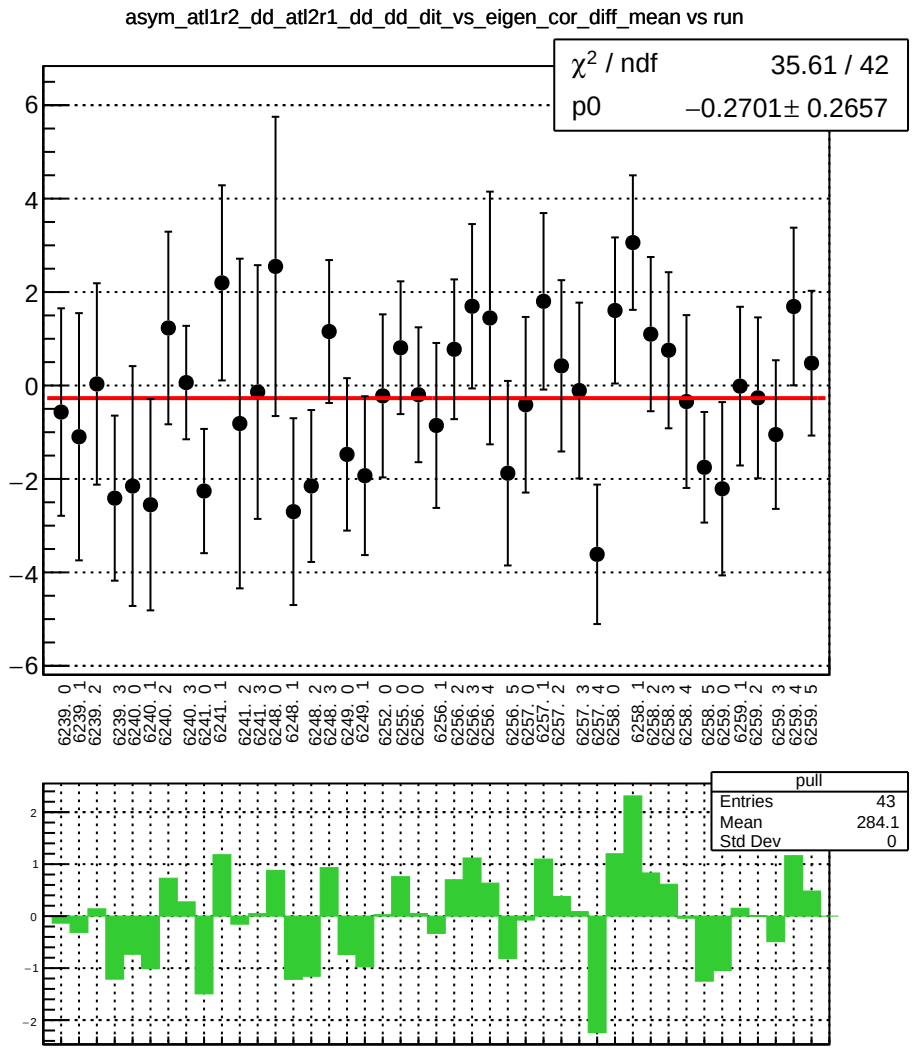

pull1D
Entries 43
Mean 0.2113
Std Dev 0.8983
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

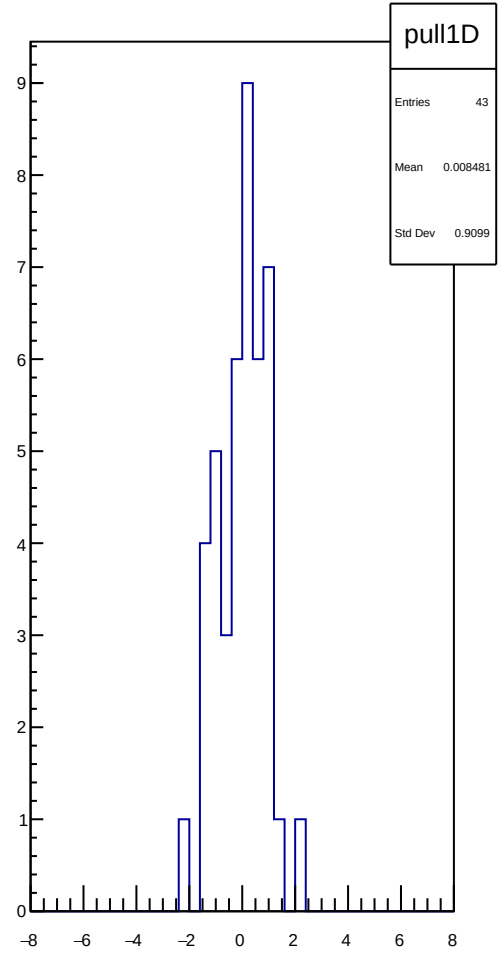

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.601e+05 / 42
p0 1.134e−10 ± 2.479e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

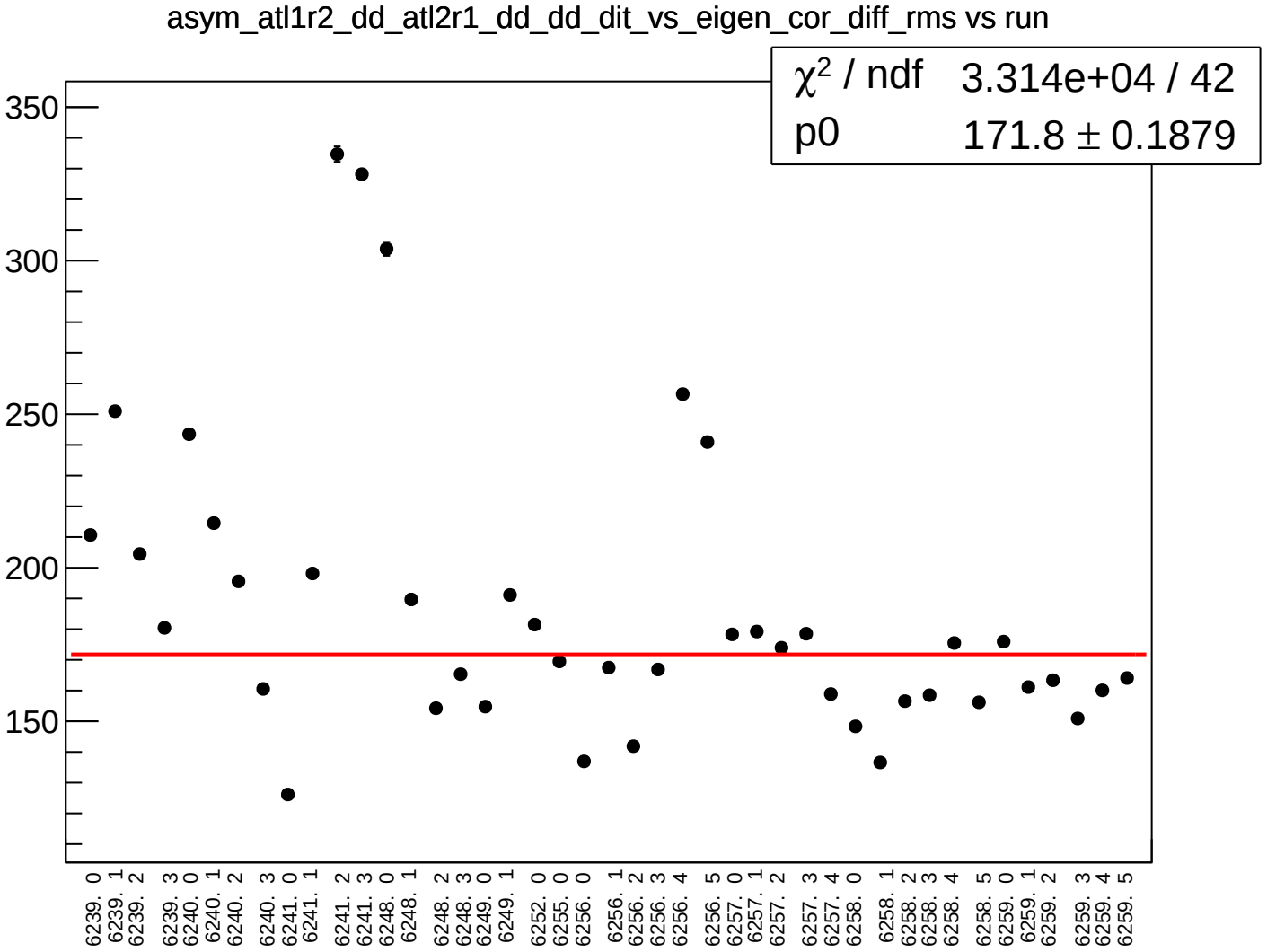

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

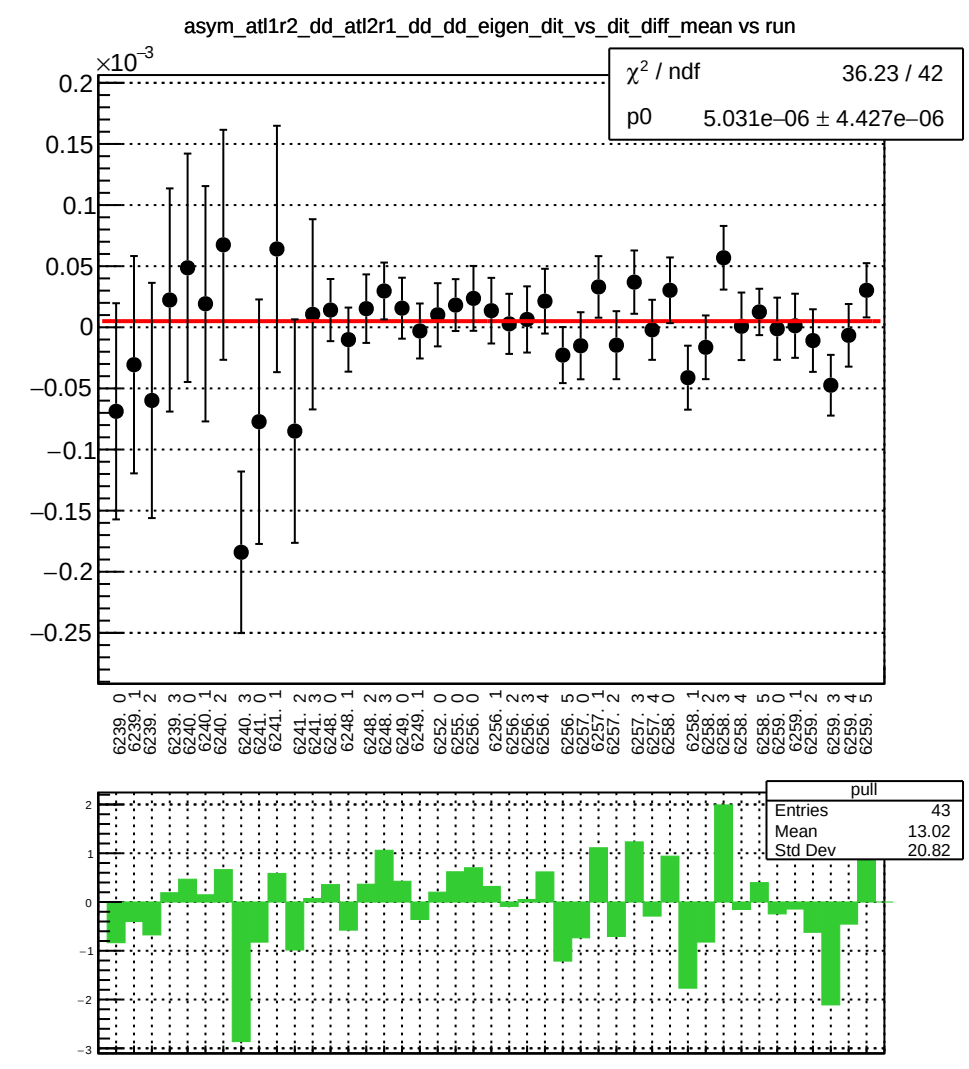

pull1D
Entries 43
Mean 0.008481
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

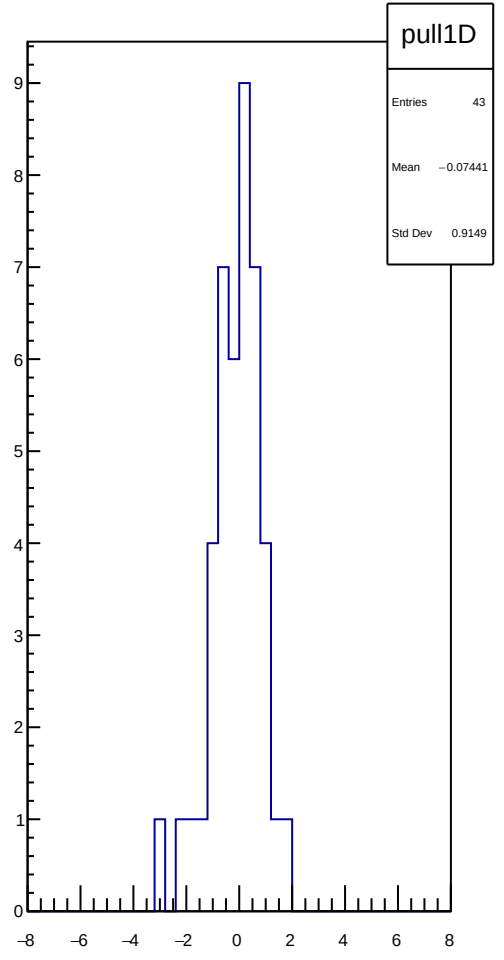

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

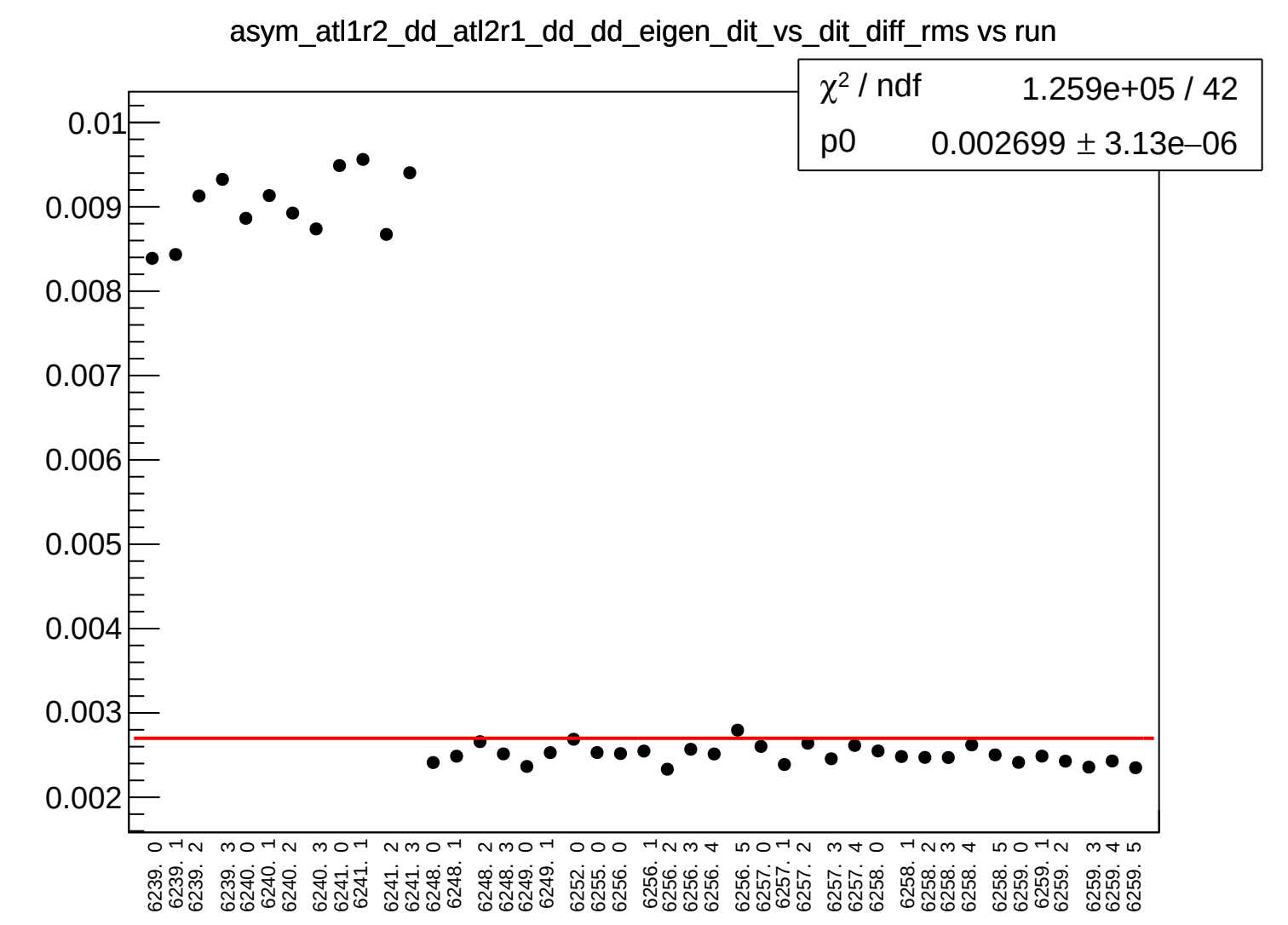

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0

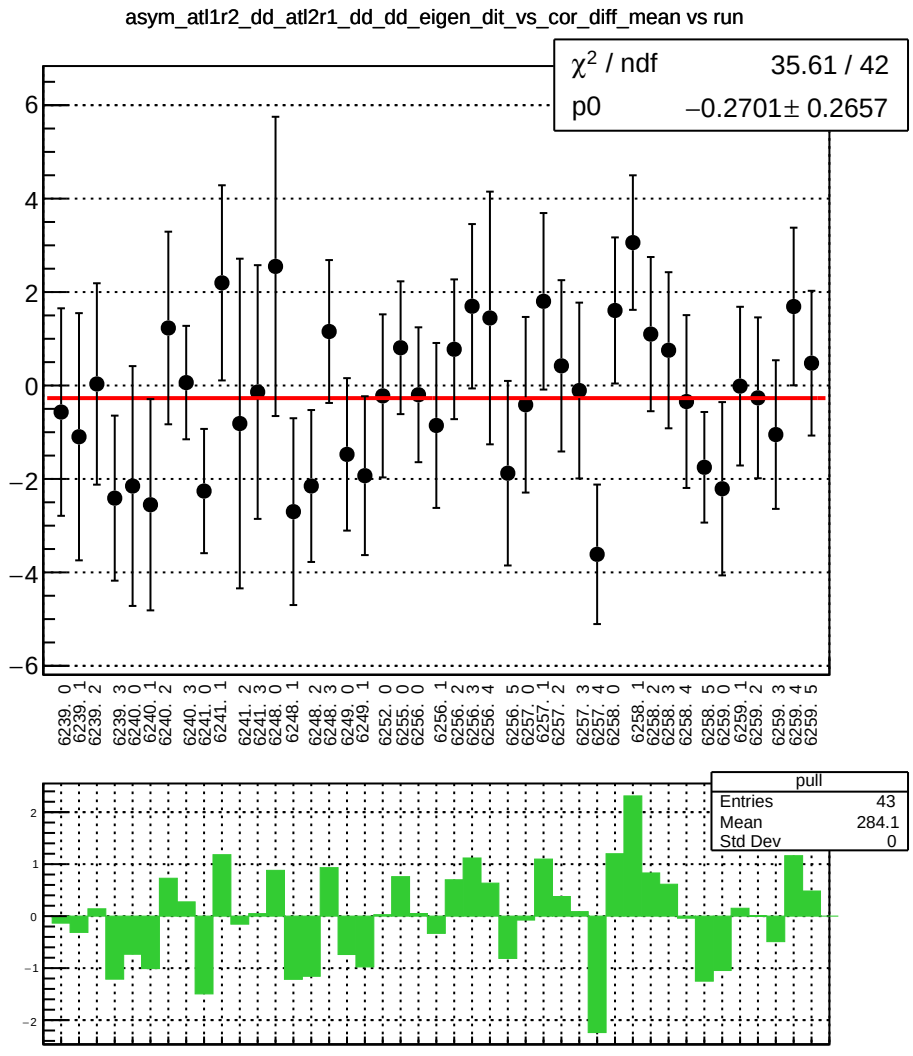

pull1D
Entries 43
Mean 0.008481
Std Dev 0.9099

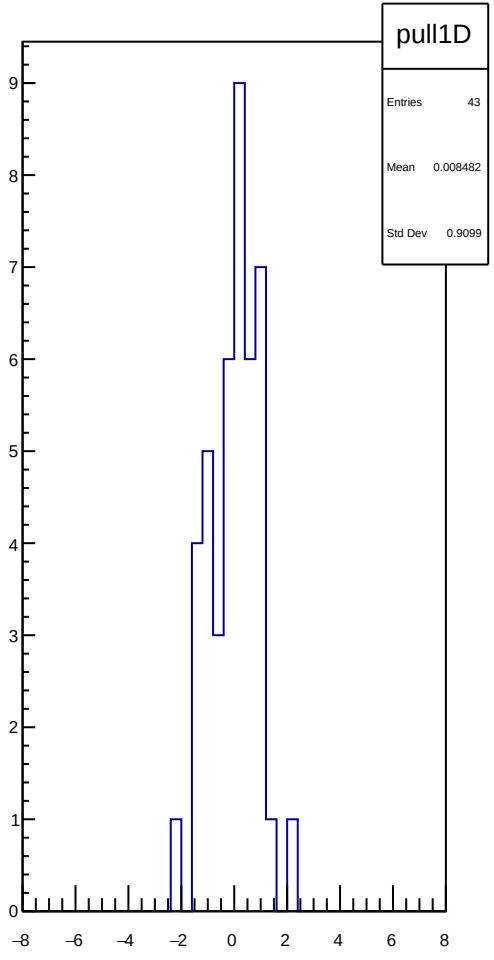

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

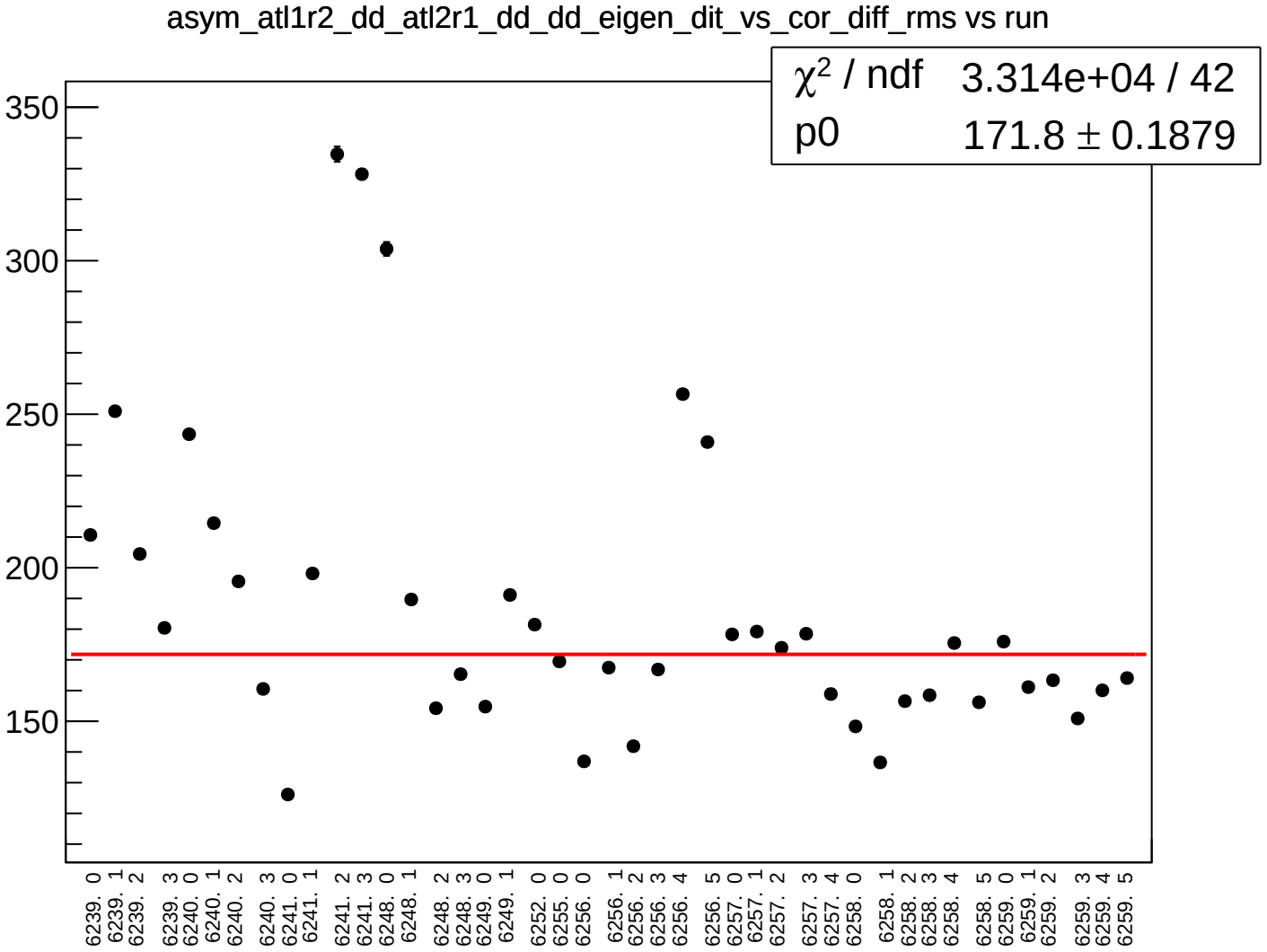

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.23 / 42
p0 5.031e−06 ± 4.427e−06
pull
Entries 43
Mean 13.02
Std Dev 20.82

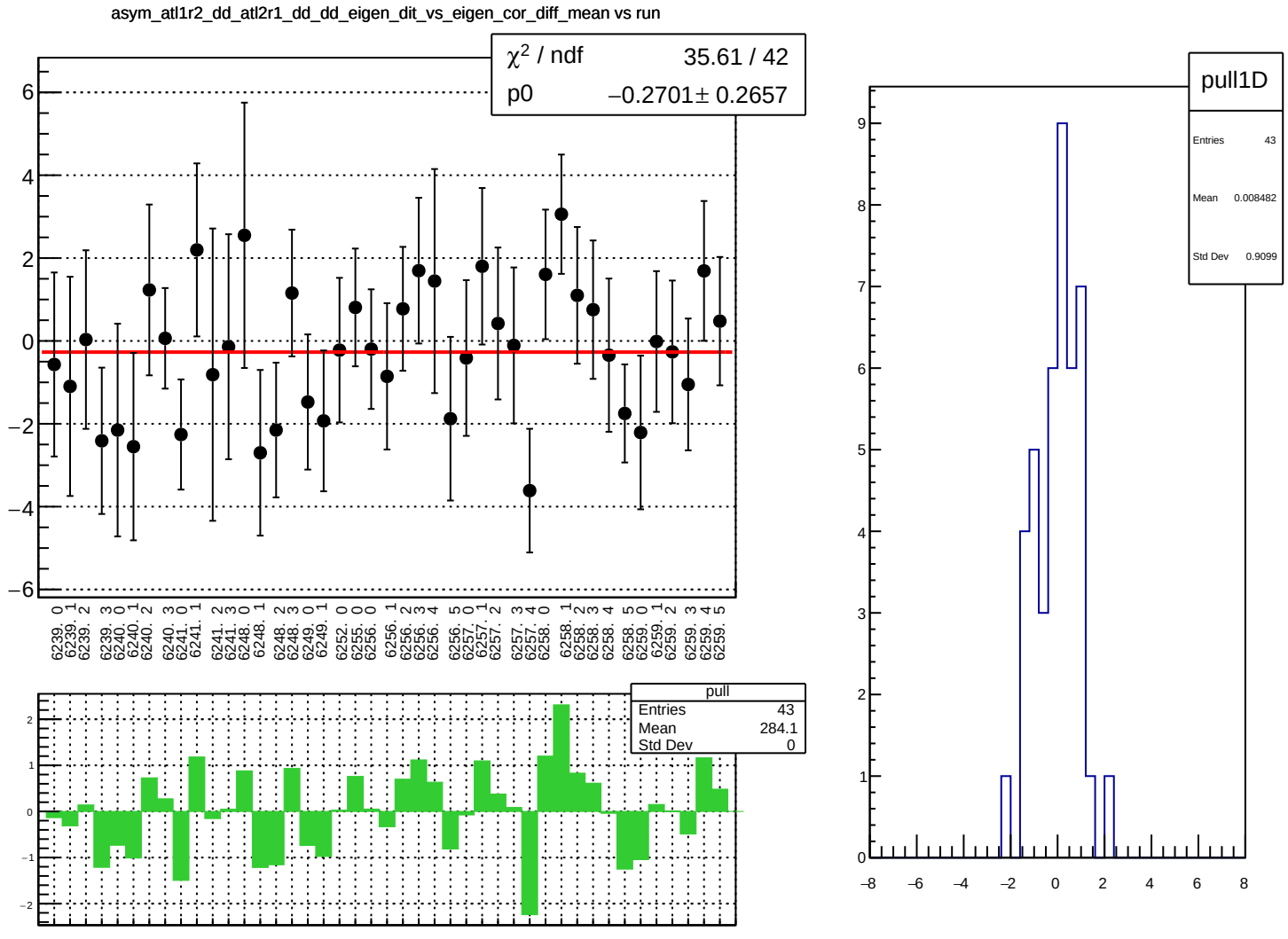

pull1D
Entries 43
Mean −0.07441
Std Dev 0.9149

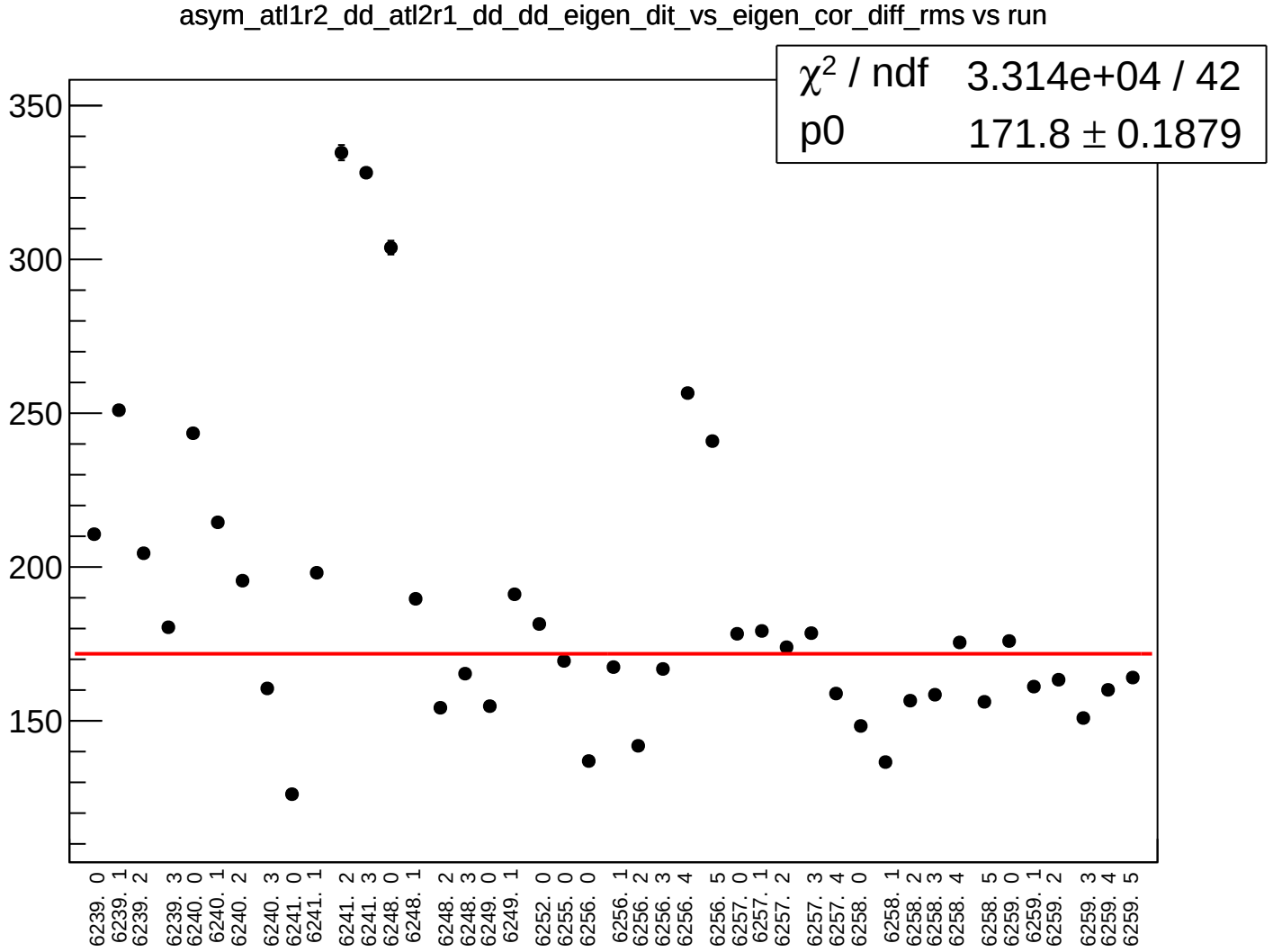

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.259e+05 / 42
p0 0.002699 ± 3.13e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

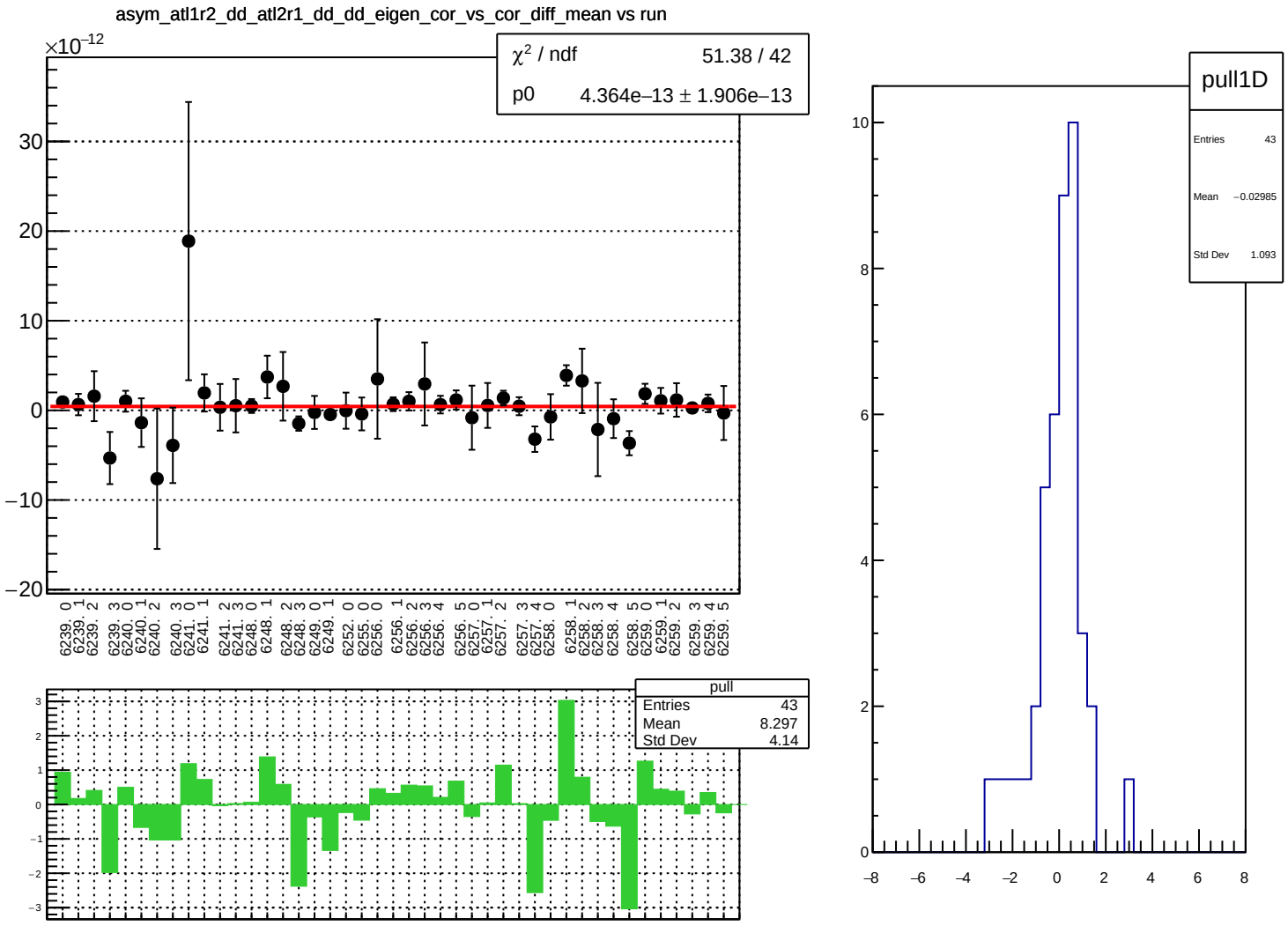

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
2
1
0
−1
−2

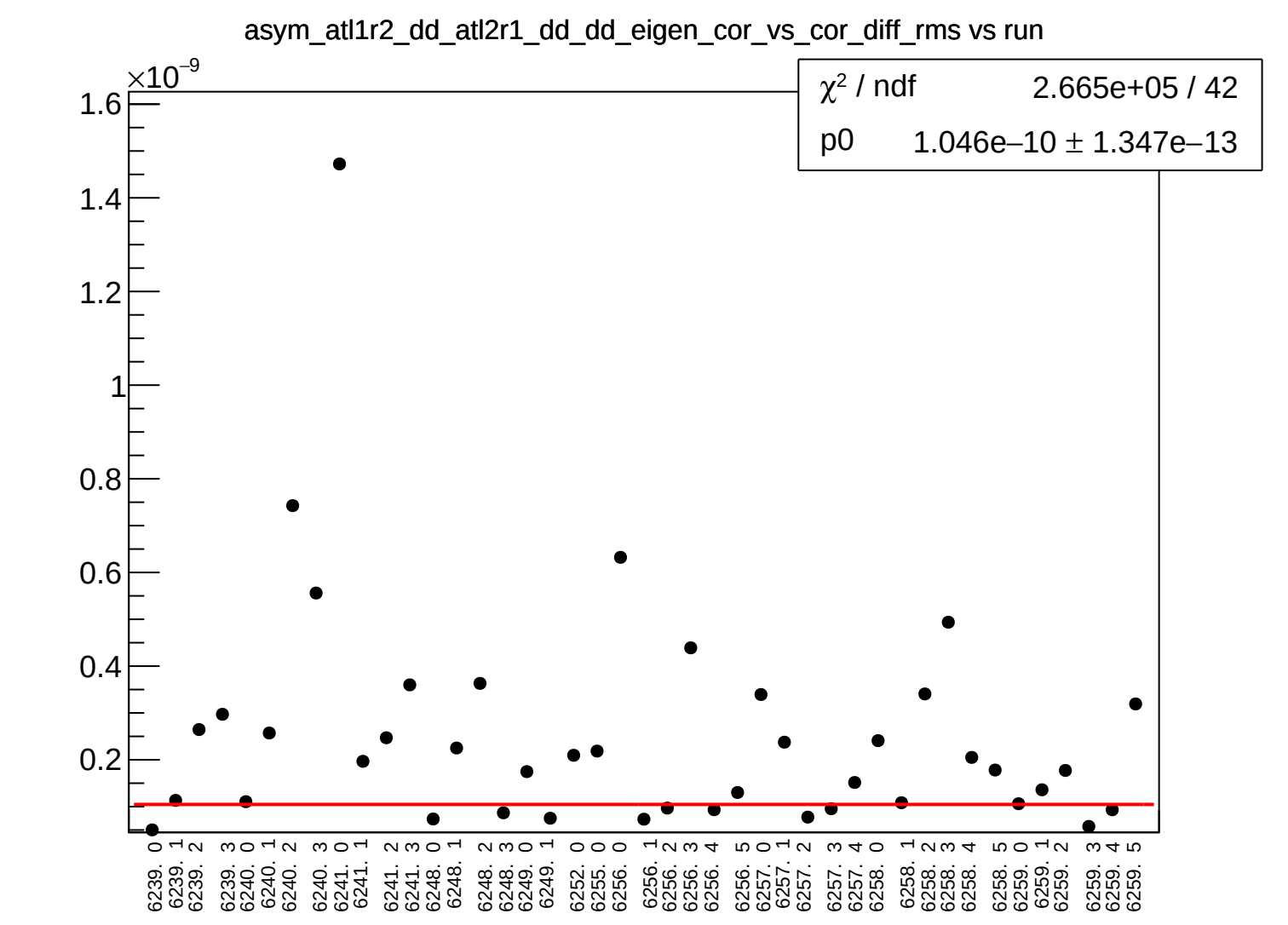

pull1D
Entries 43
Mean 0.008482
Std Dev 0.9099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

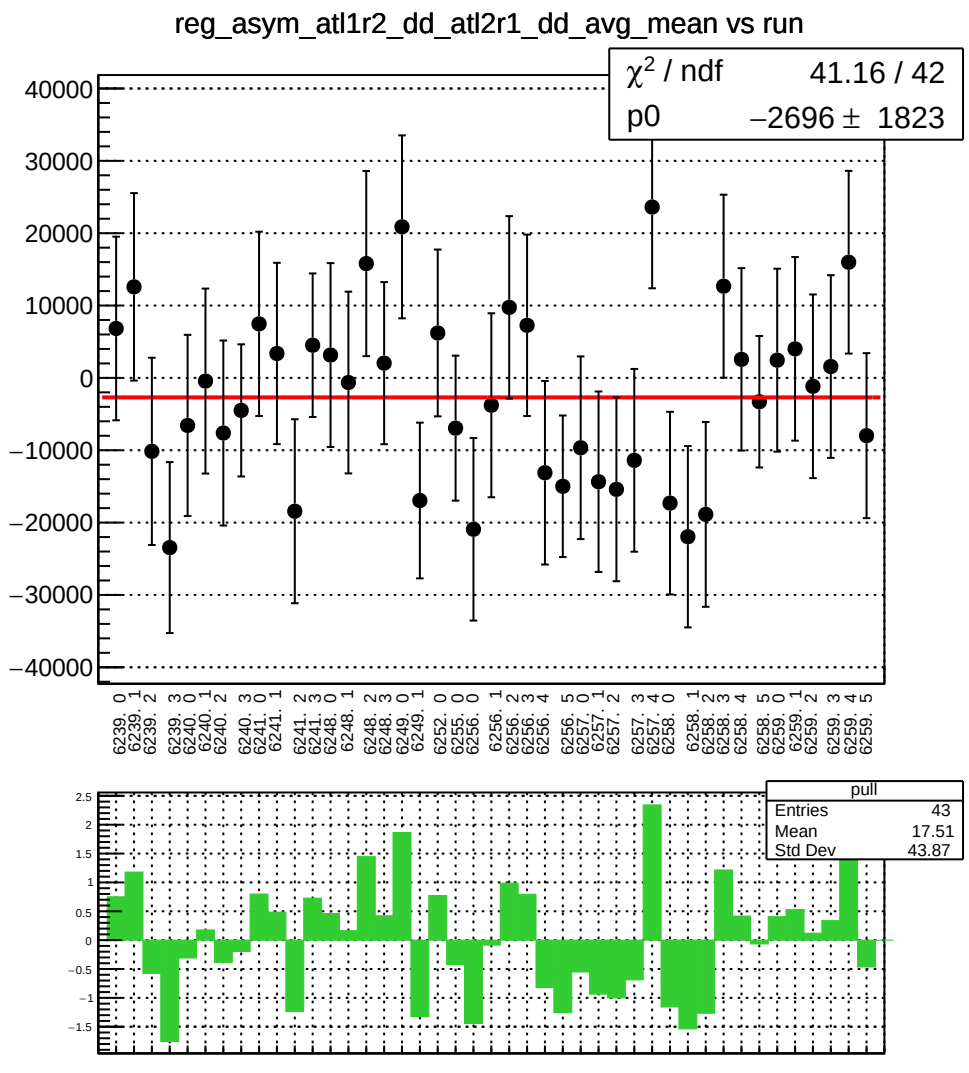

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

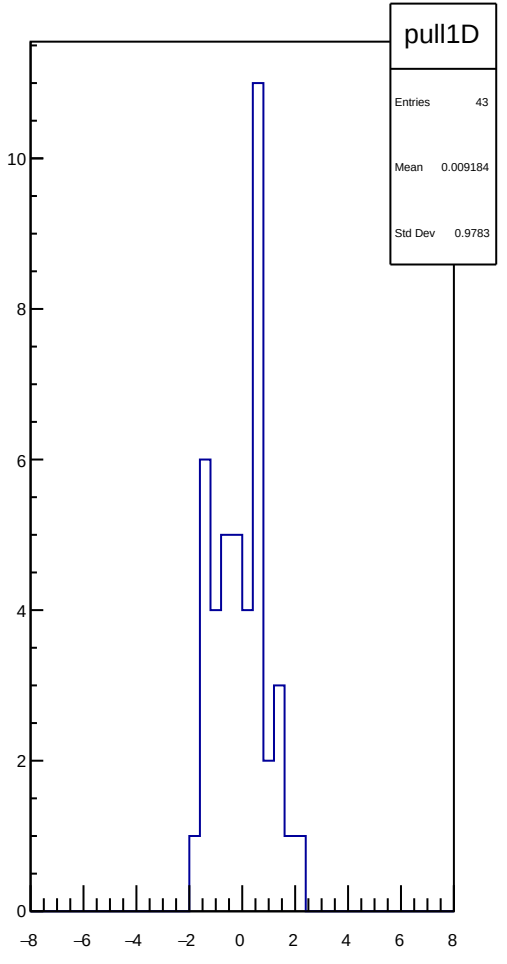

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.61 / 42
p0 −0.2701± 0.2657
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 284.1
Std Dev 0
pull1D
Entries 43
Mean 0.008482
Std Dev 0.9099

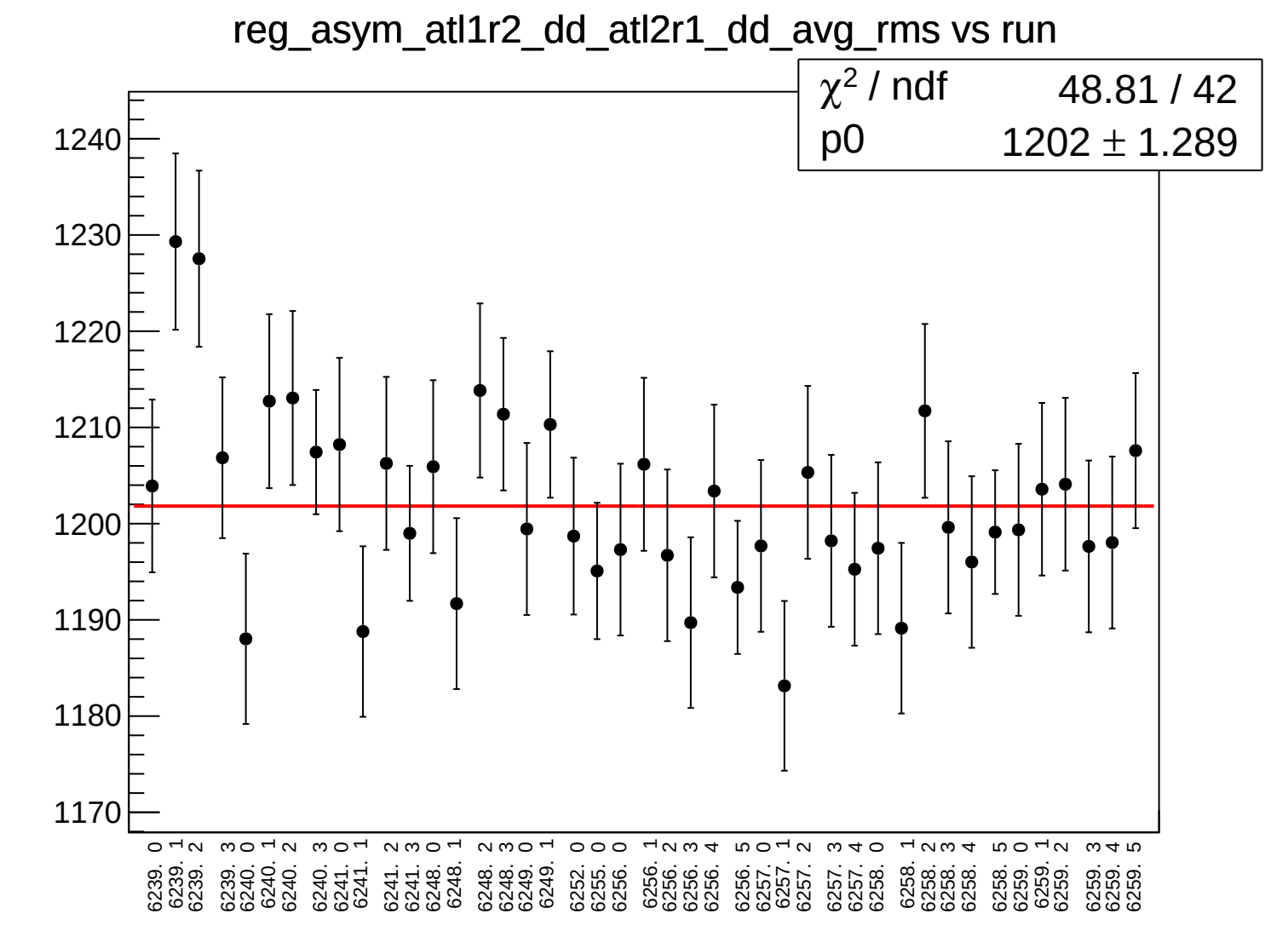

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.314e+04 / 42
p0 171.8 ± 0.1879
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

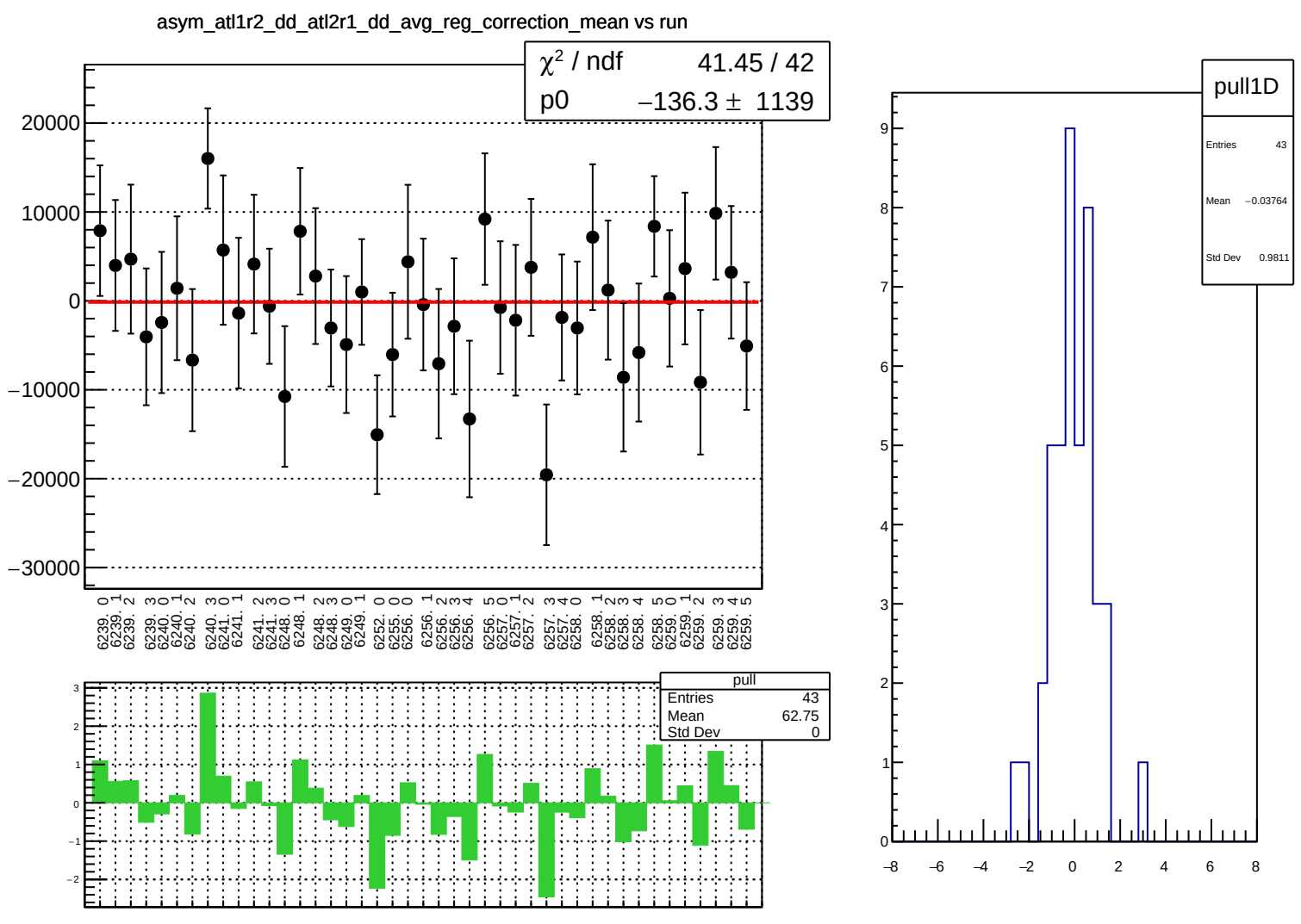

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.38 / 42
p0 4.364e−13 ± 1.906e−13
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.297
Std Dev 4.14
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.02985
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

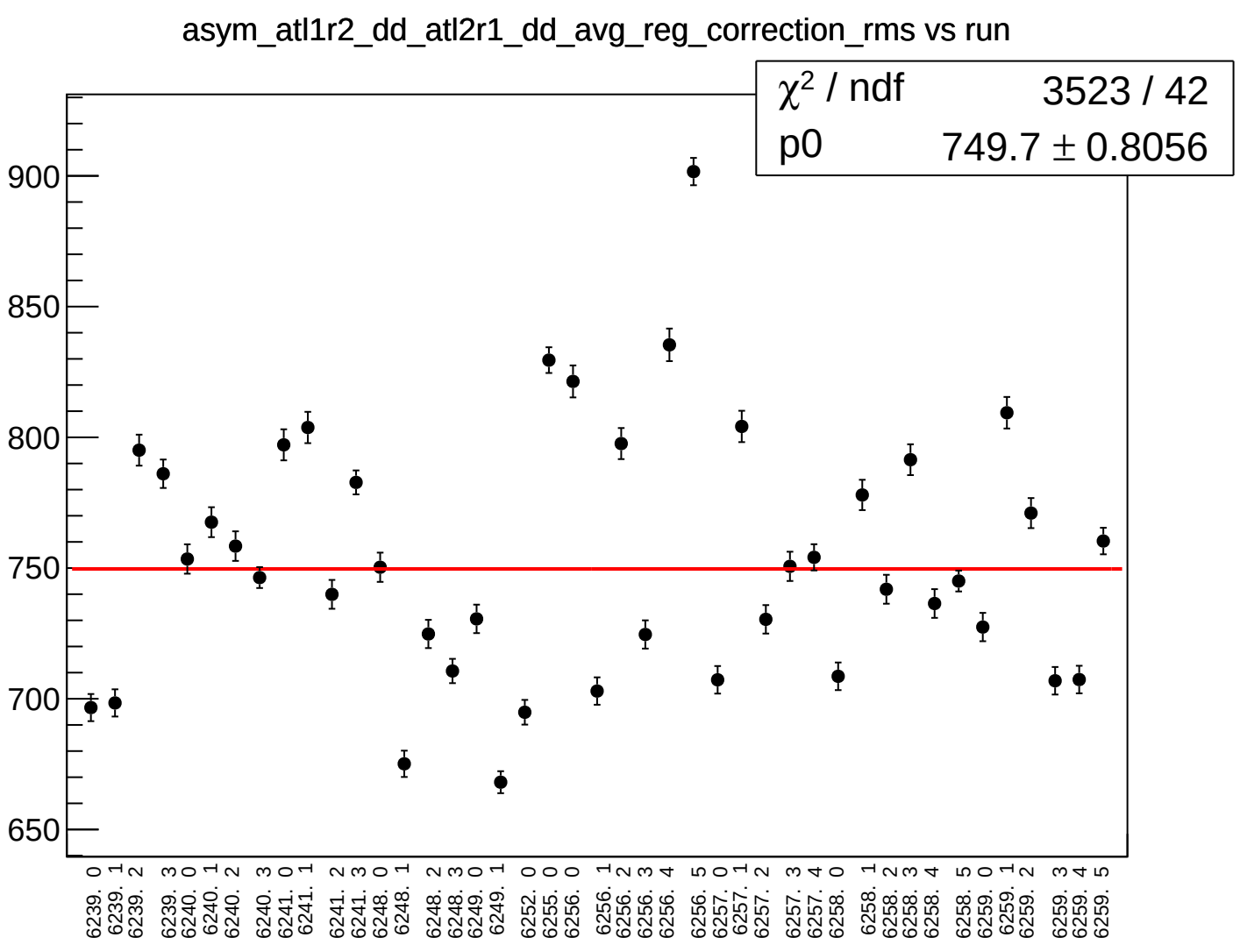

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.665e+05 / 42
p0 1.046e−10 ± 1.347e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

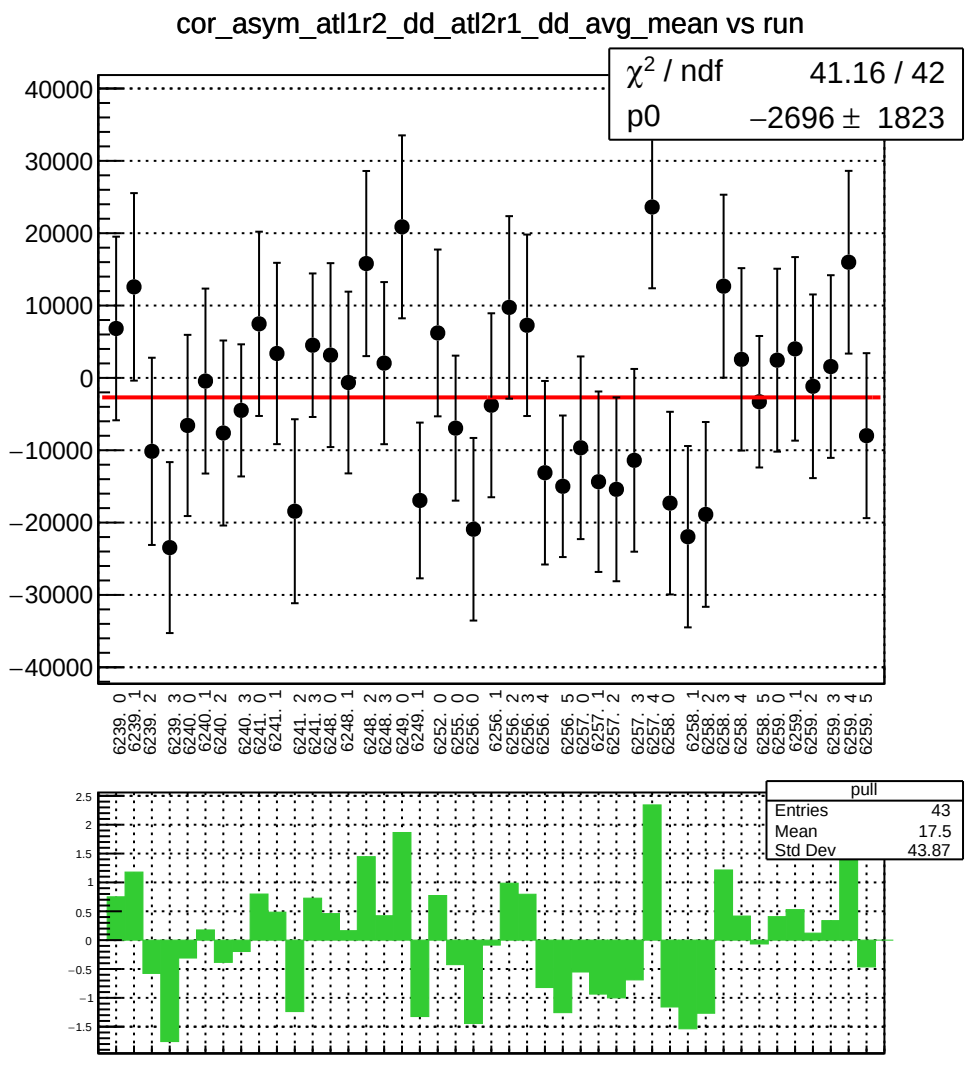

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.16 / 42
p0 −2696 ± 1823
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.51
Std Dev 43.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

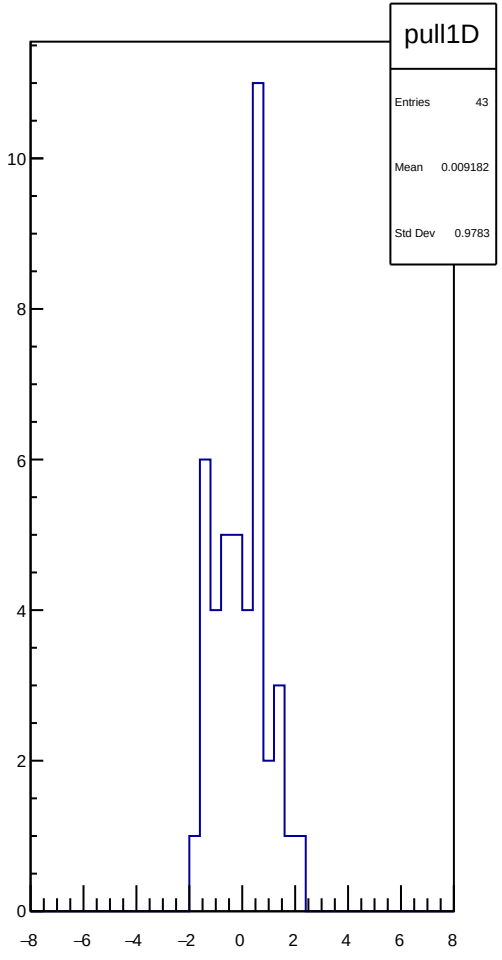

pull1D
Entries 43
Mean 0.009184
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

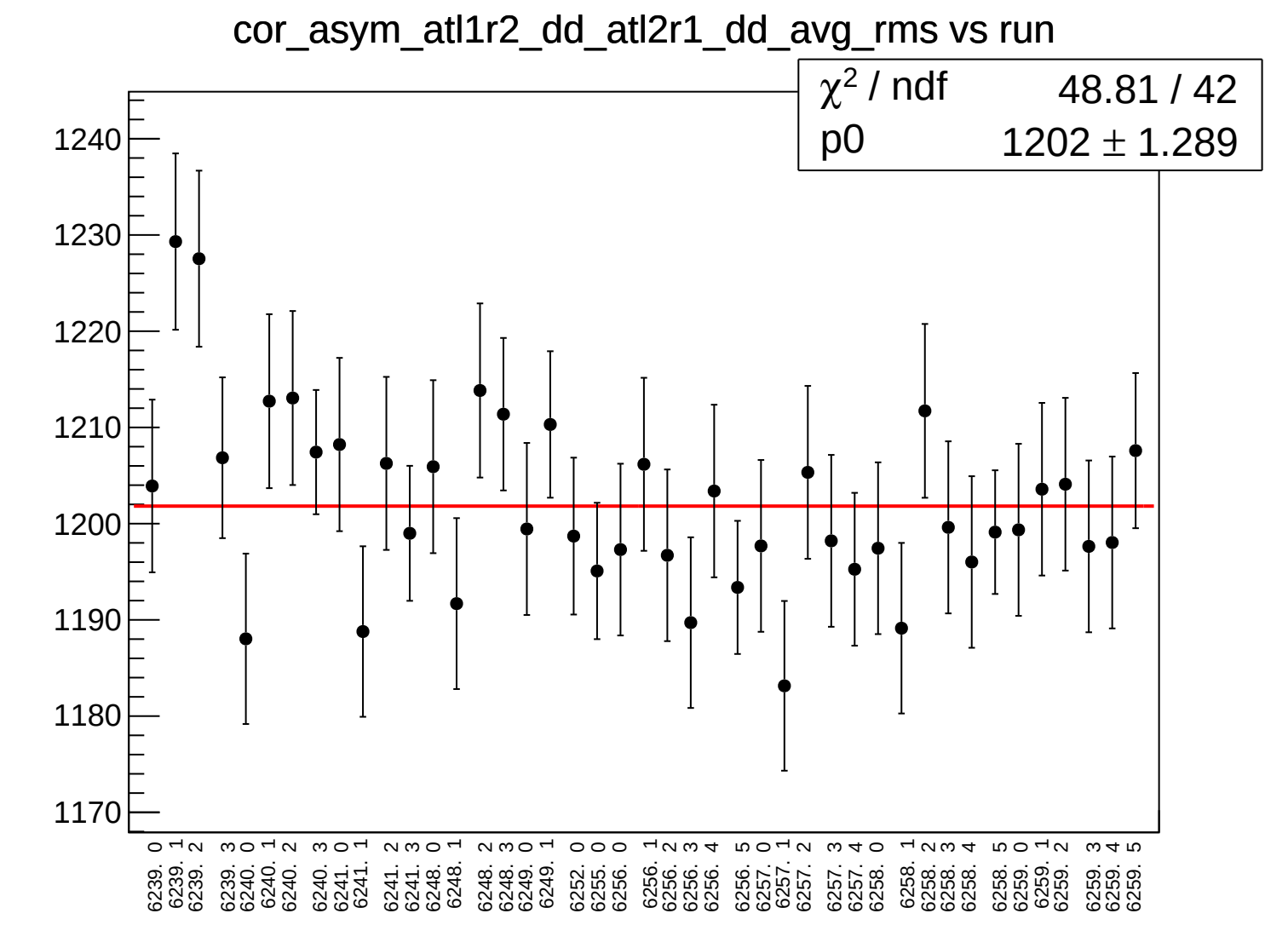

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 48.81 / 42
p0 1202 ± 1.289
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

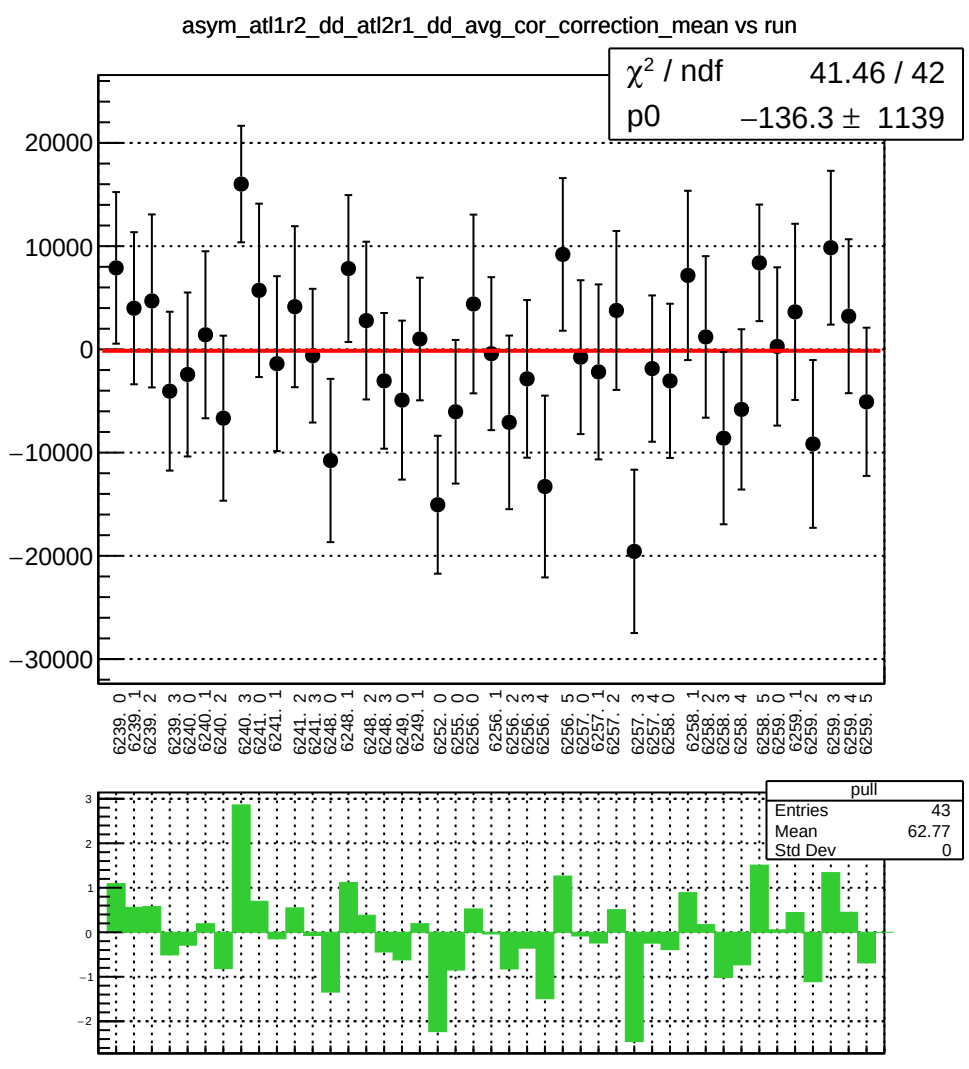

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 41.45 / 42
p0 −136.3 ± 1139
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.75
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03764
Std Dev 0.9811
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

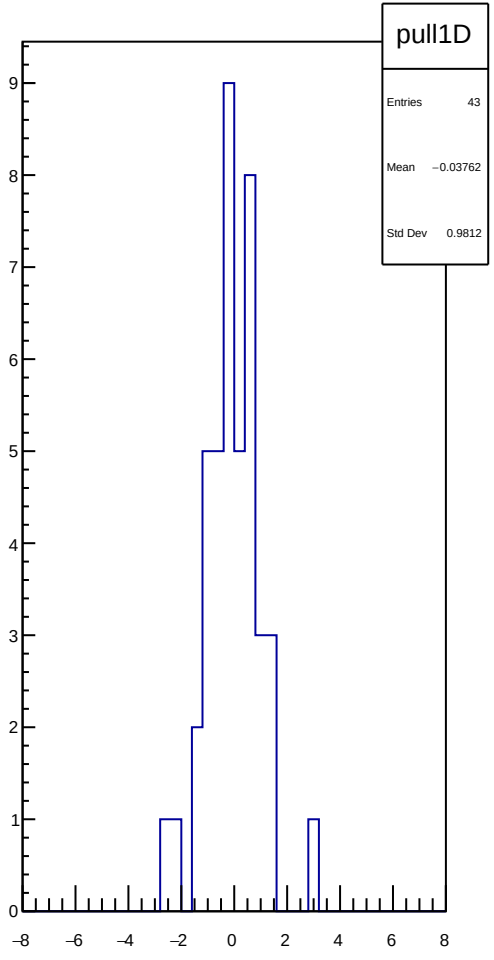

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 3523 / 42
p0 749.7 ± 0.8056
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

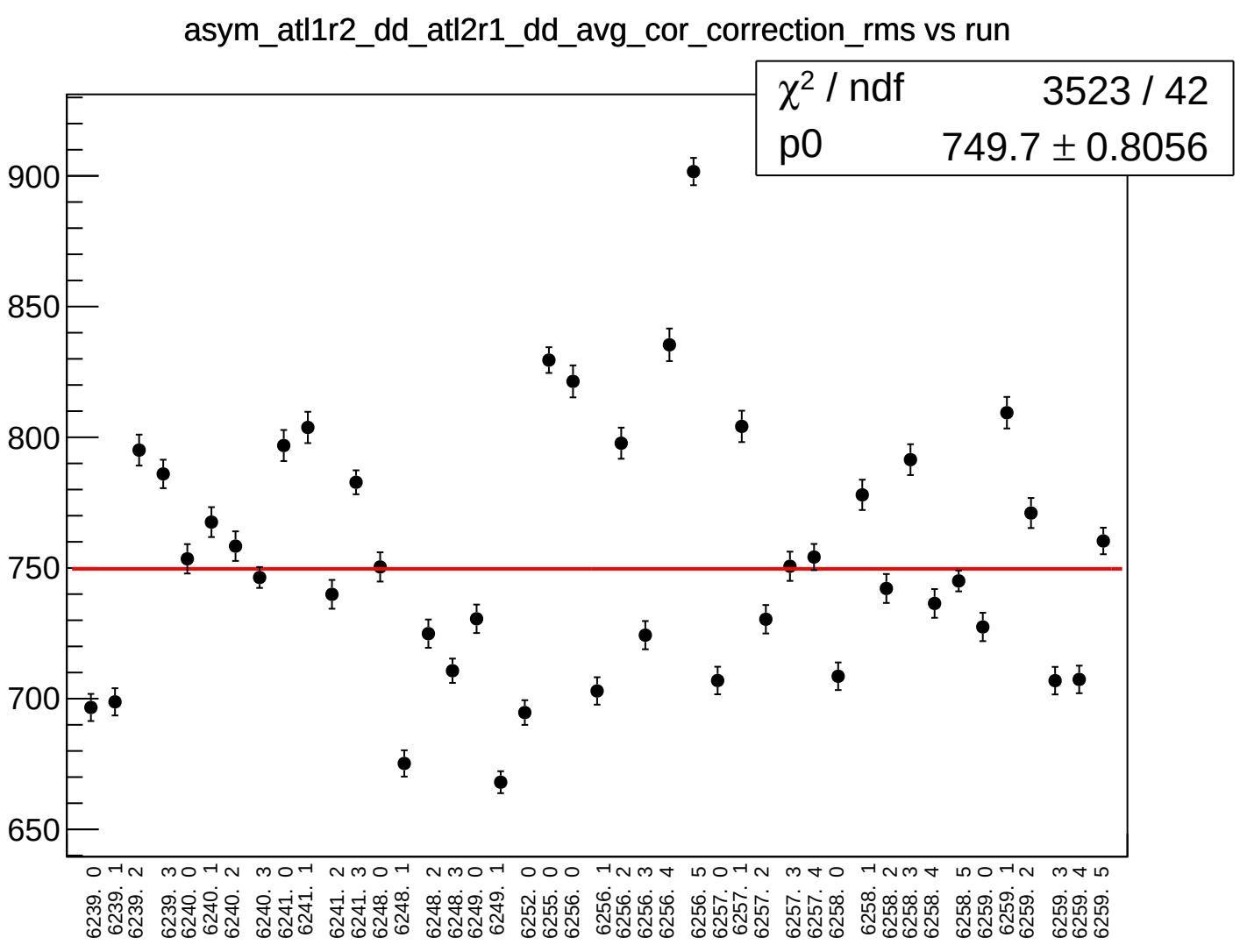

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.16 / 42
p0 −2696 ± 1823
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.5
Std Dev 43.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

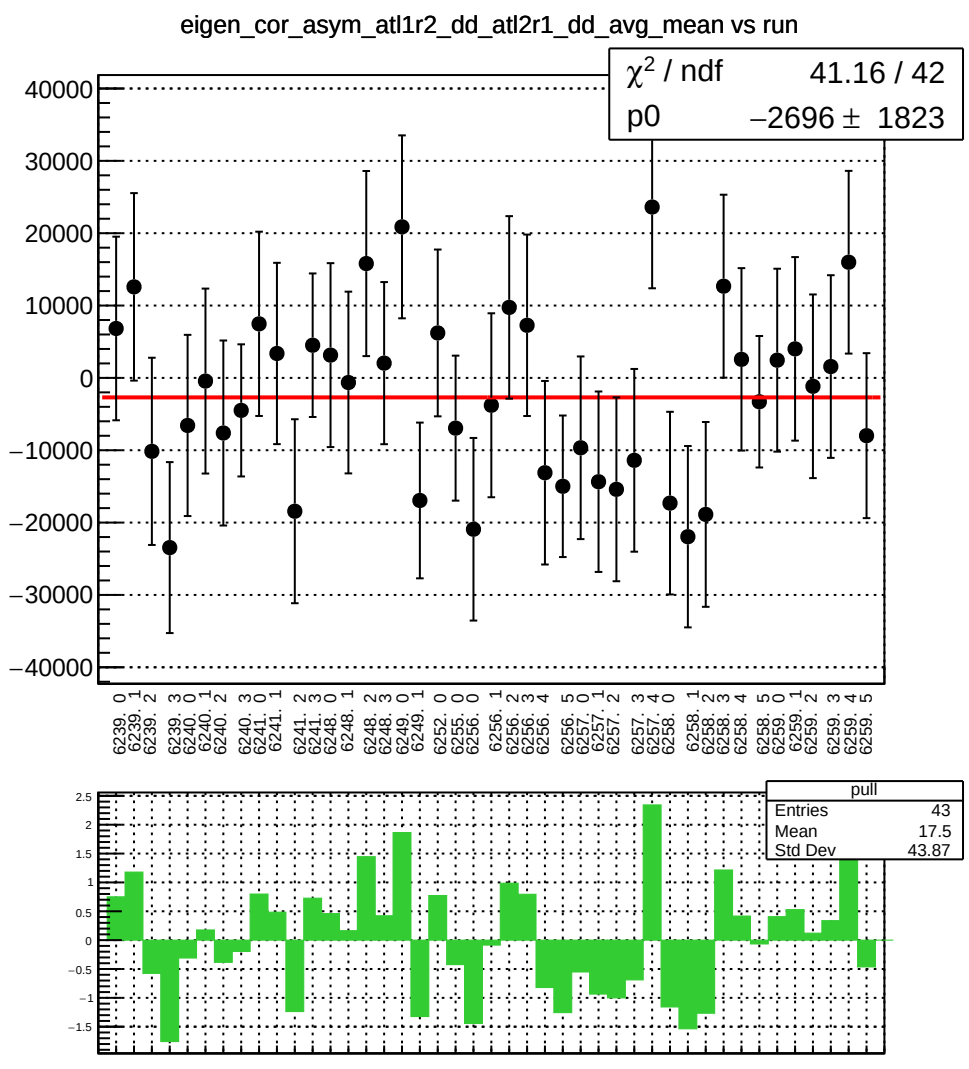

pull1D
Entries 43
Mean 0.009182
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

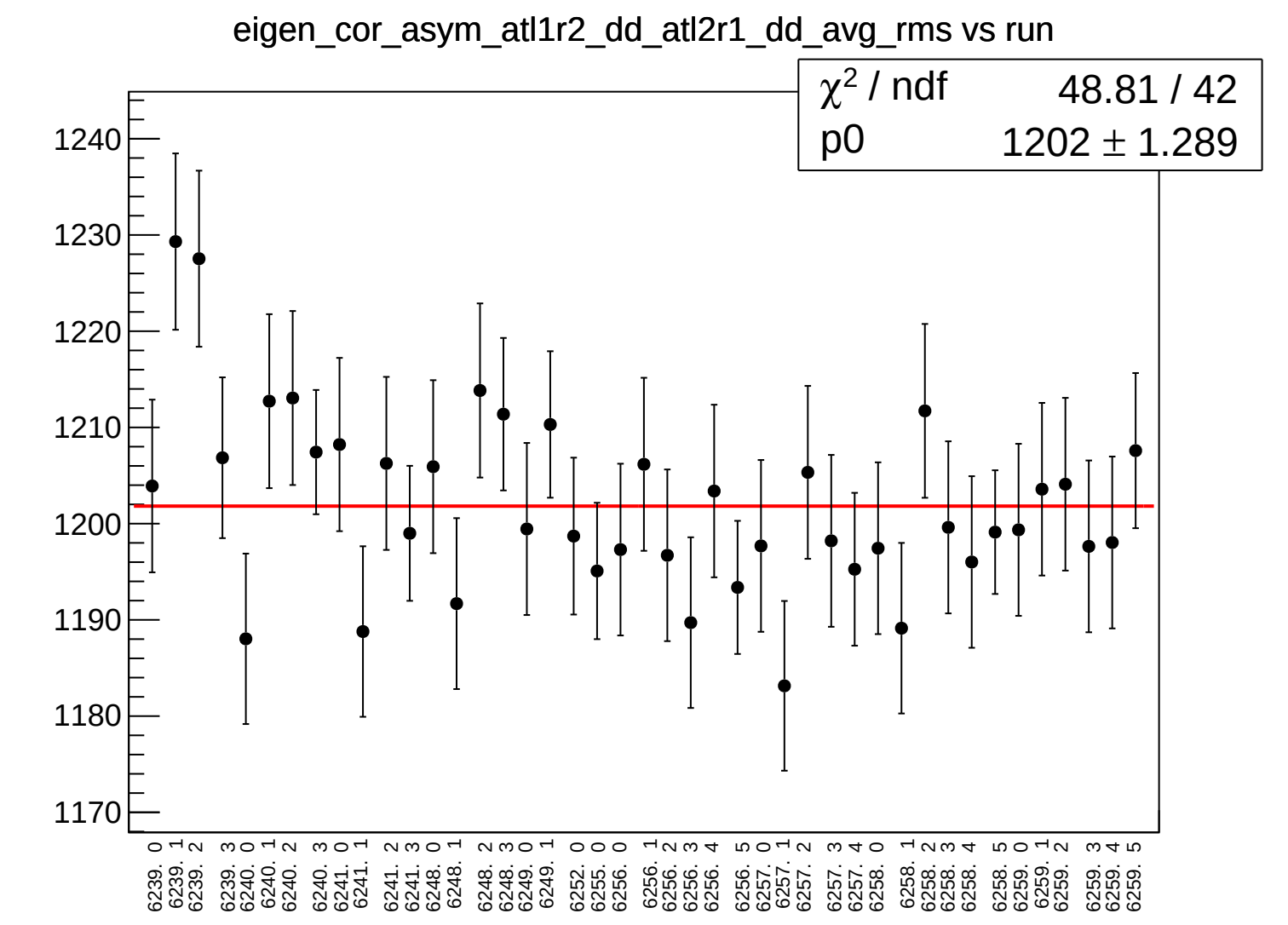

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 48.81 / 42
p0 1202 ± 1.289
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 41.46 / 42
p0 −136.3 ± 1139
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.77
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03762
Std Dev 0.9812
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 3523 / 42
p0 749.7 ± 0.8056
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.16 / 42
p0 −2696 ± 1823
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.5
Std Dev 43.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009182
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 48.81 / 42
p0 1202 ± 1.289
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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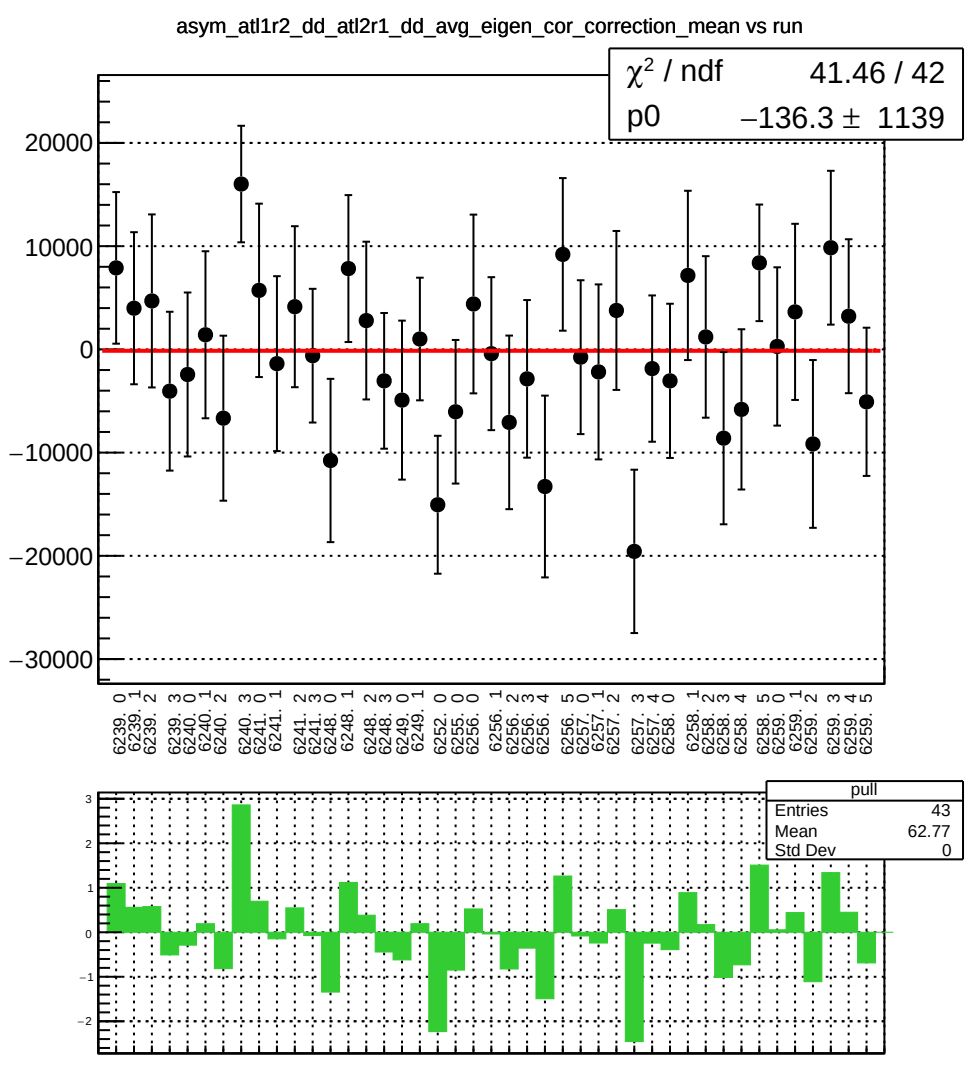
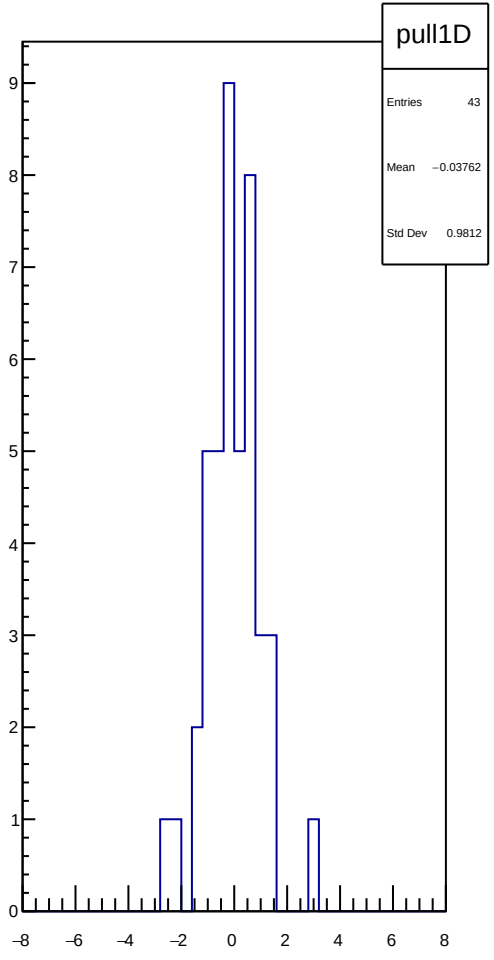
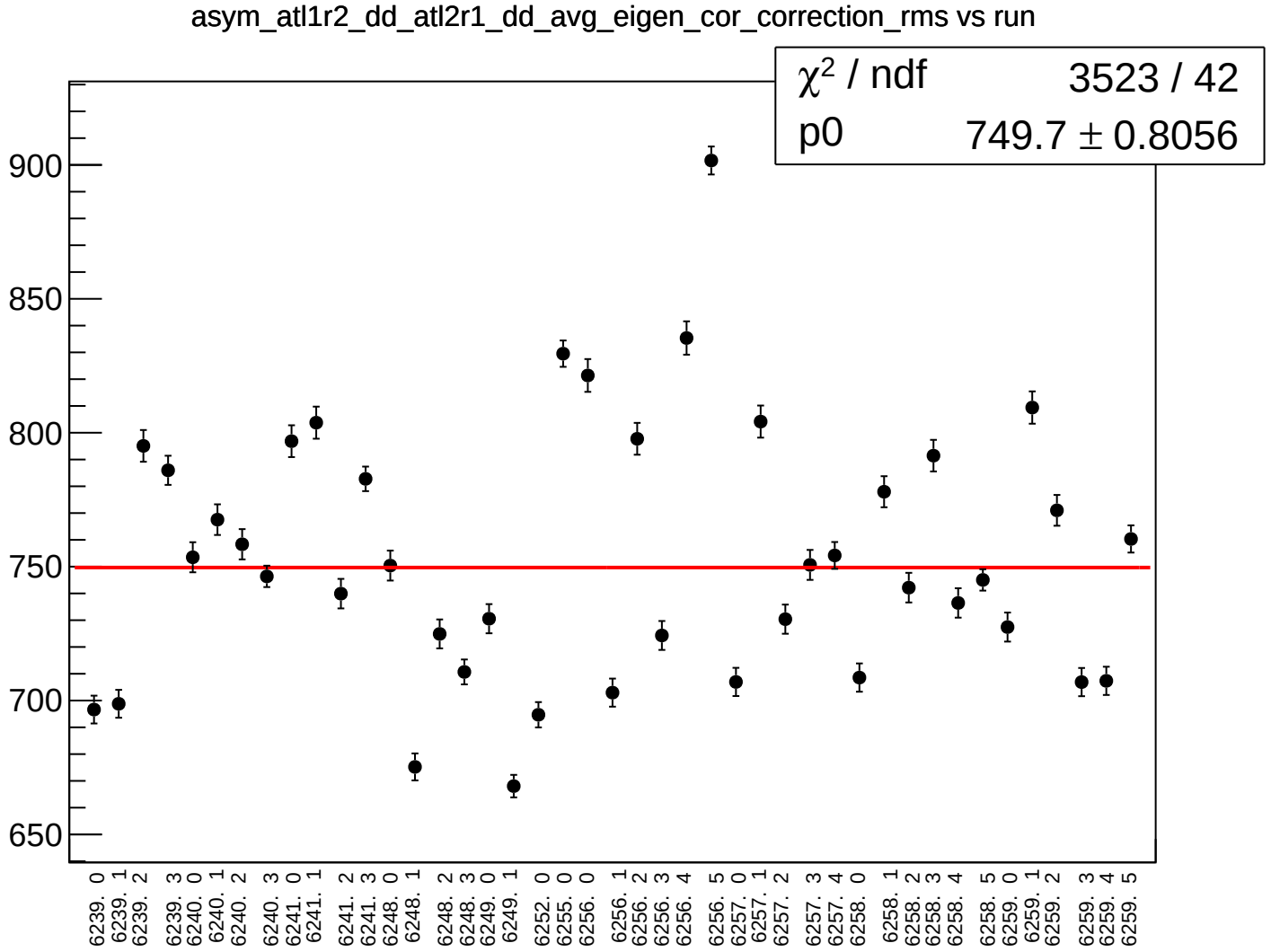
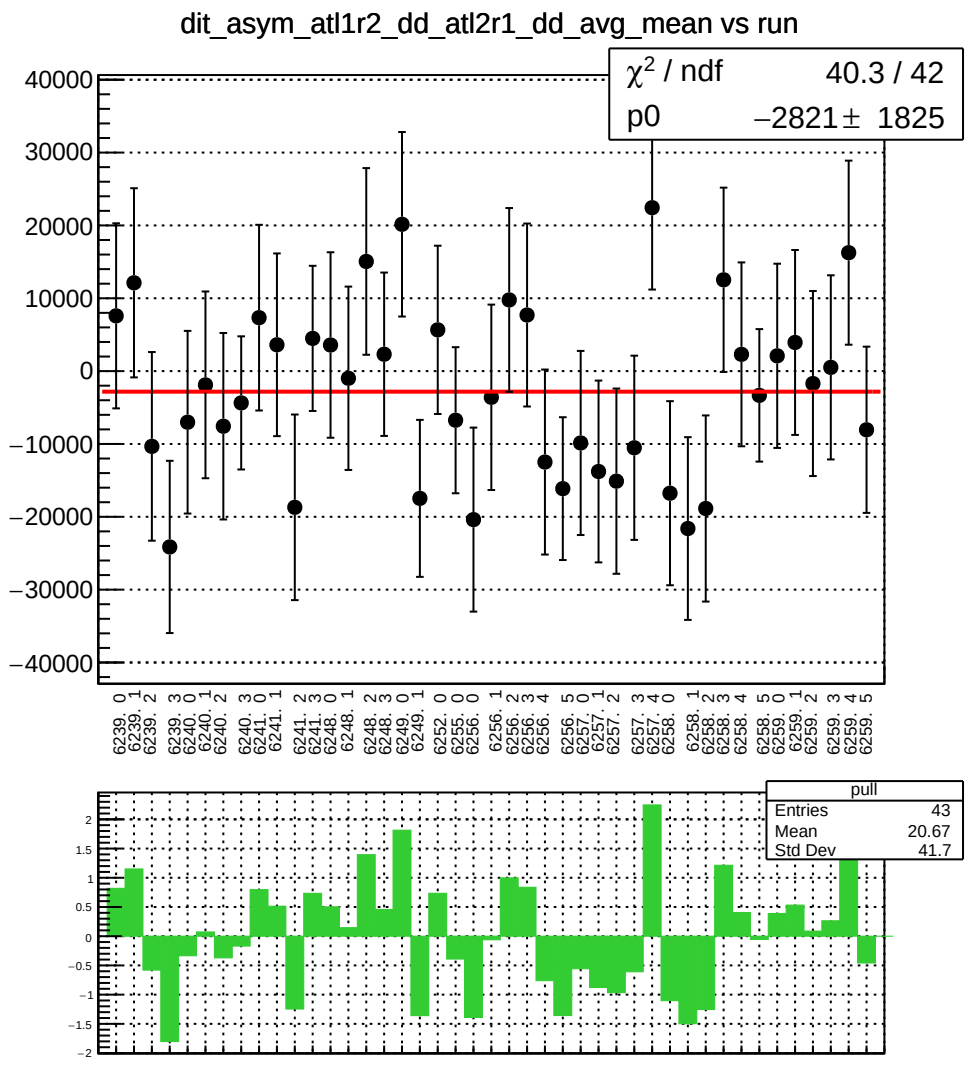
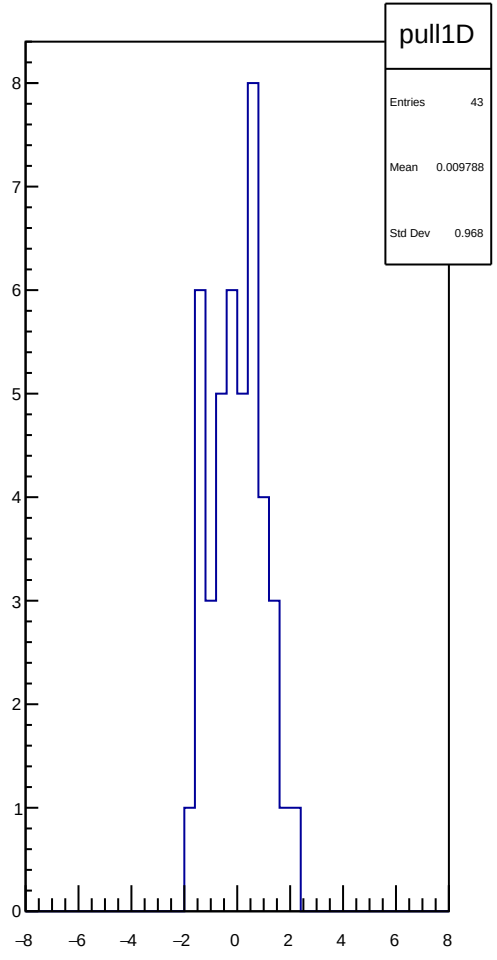
6259. 2
6259. 3
6259. 4
6259. 5

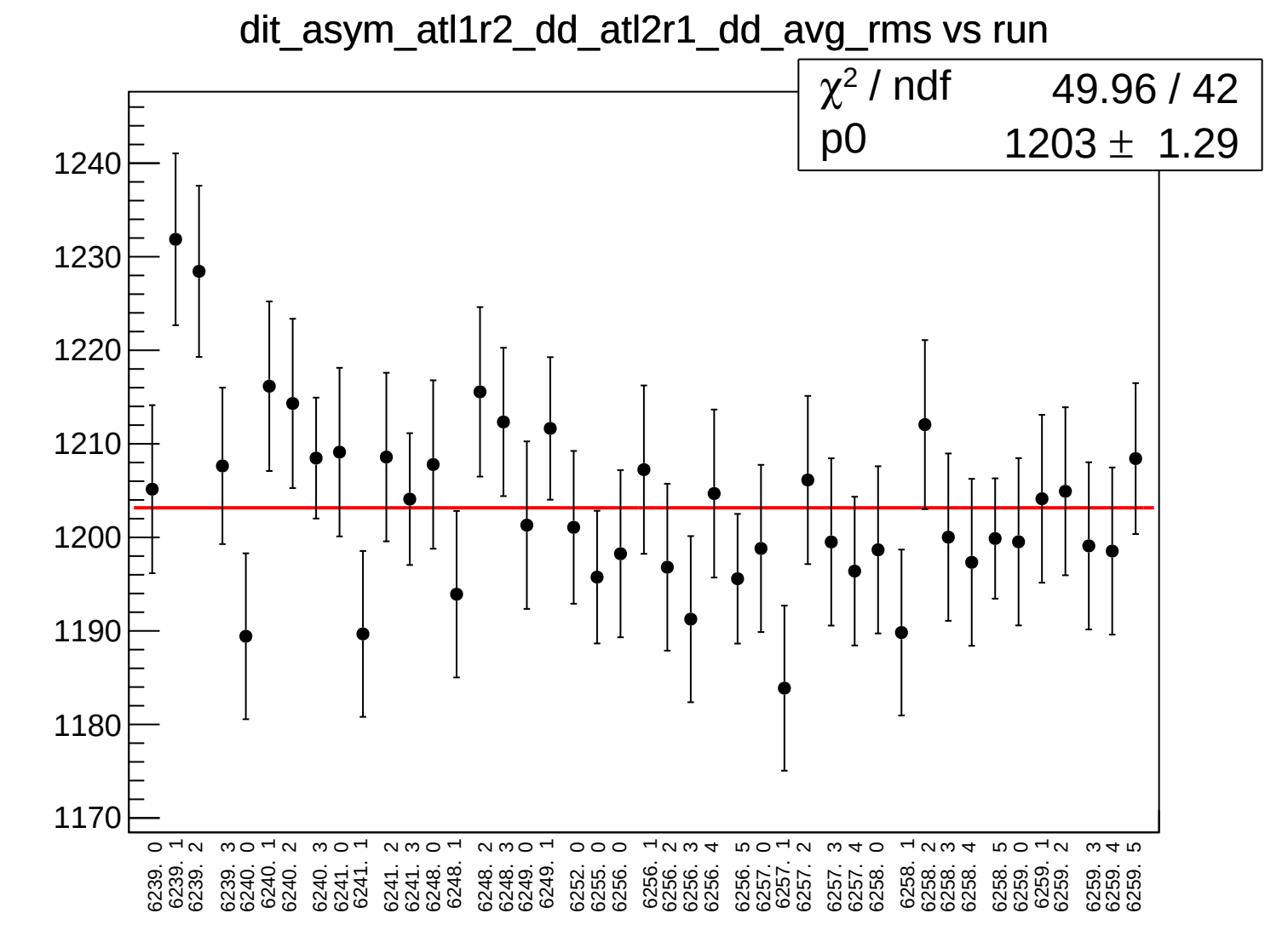

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.46 / 42
p0 −136.3 ± 1139
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.77
Std Dev 0
3
2
1
0
−1
−2

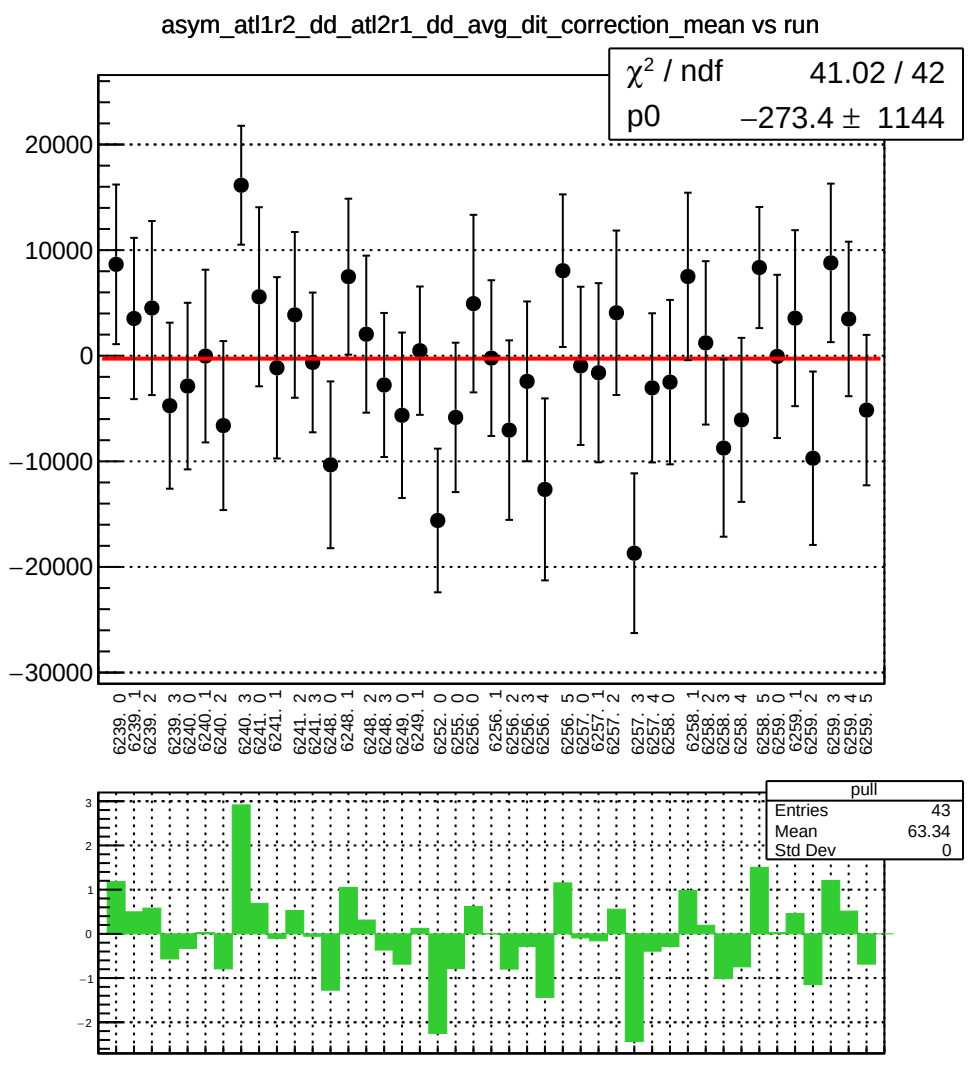

pull1D
Entries 43
Mean −0.03762
Std Dev 0.9812
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

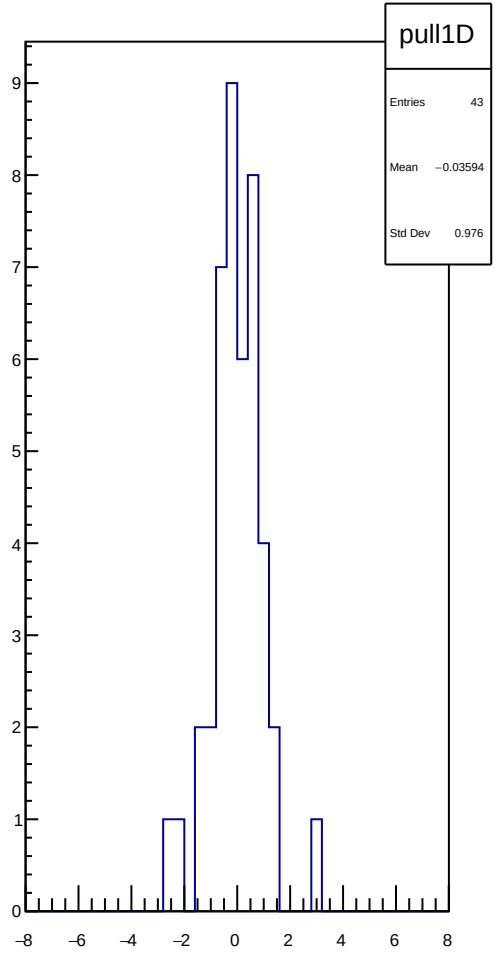

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3523 / 42
p0 749.7 ± 0.8056
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

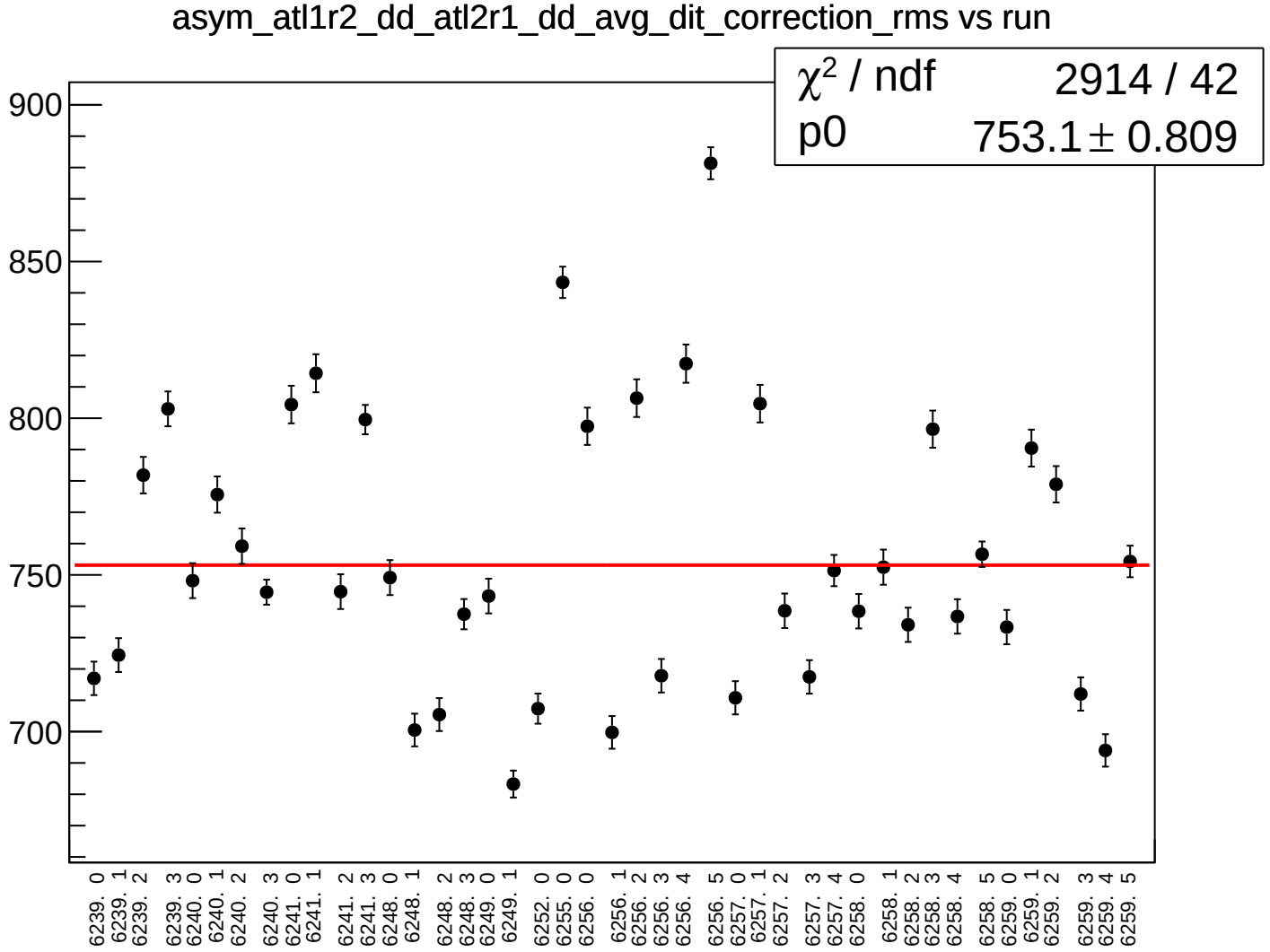

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.3 / 42
p0 −2821 ± 1825
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.67
Std Dev 41.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.009788
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 49.96 / 42
p0 1203 ± 1.29
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 41.02 / 42
p0 −273.4 ± 1144
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.34
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03594
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 2914 / 42
p0 753.1 ± 0.809
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
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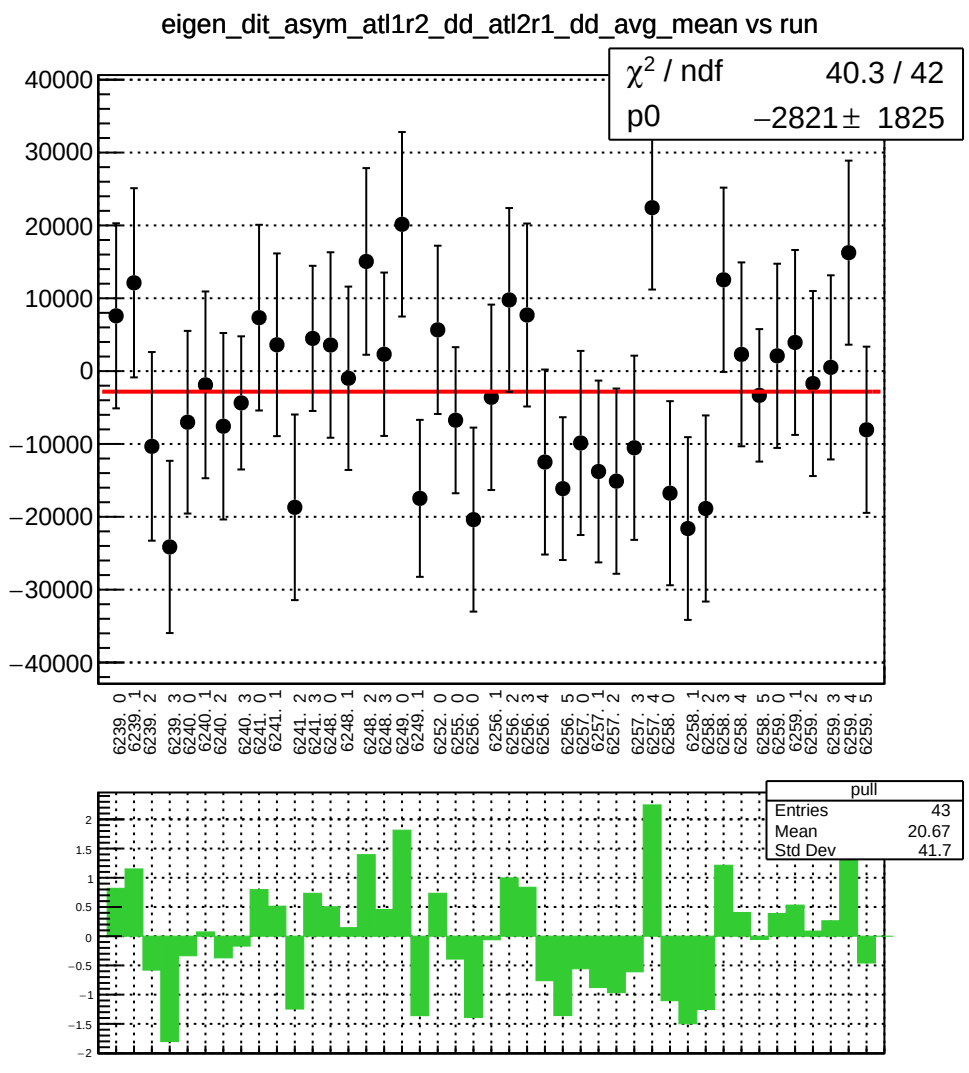
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.3 / 42
p0 −2821 ± 1825
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.67
Std Dev 41.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.009788
Std Dev 0.968
8
7
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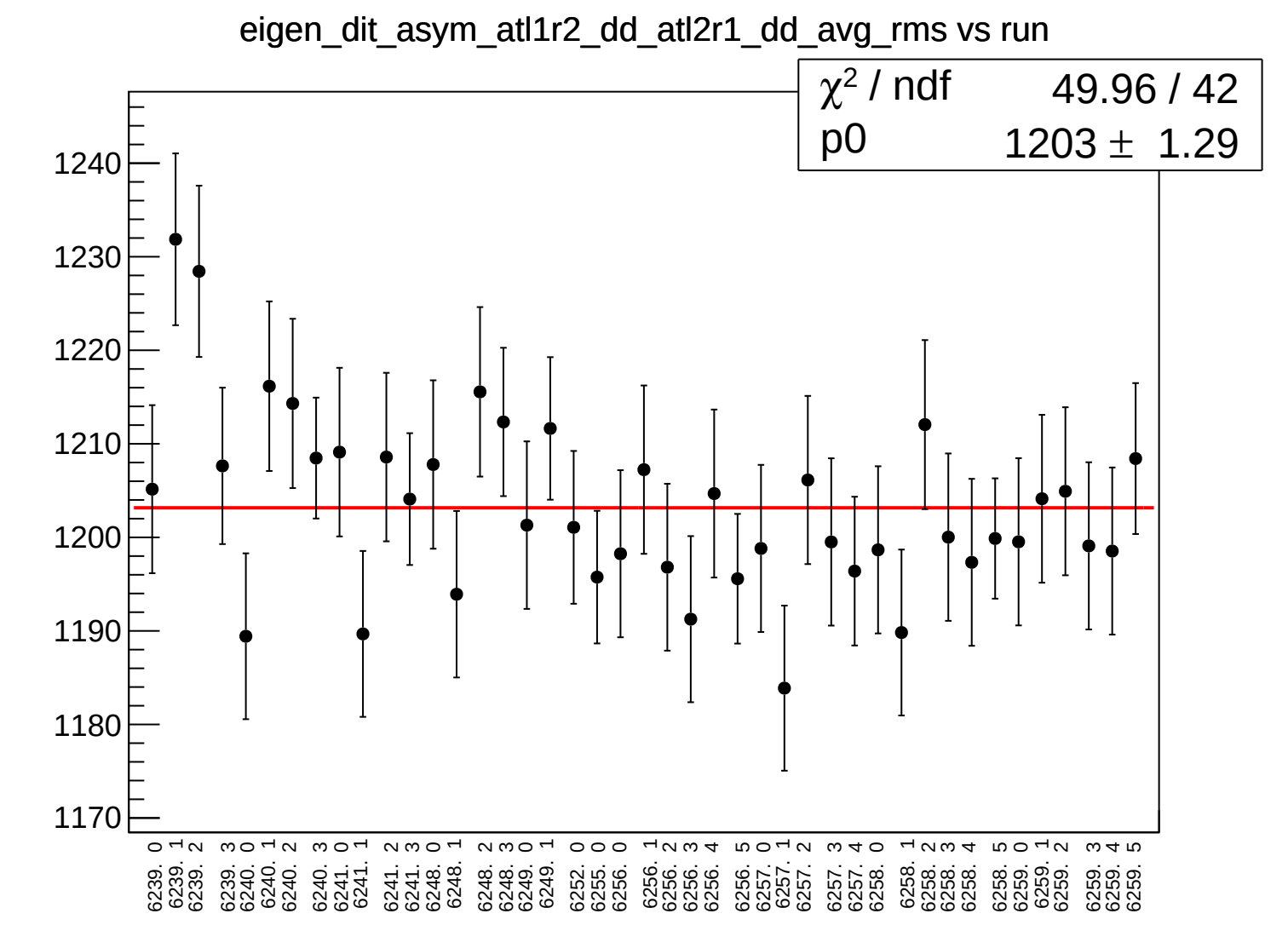
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 49.96 / 42
p0 1203 ± 1.29
1240
1230
1220
1210
1200
1190
1180
1170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
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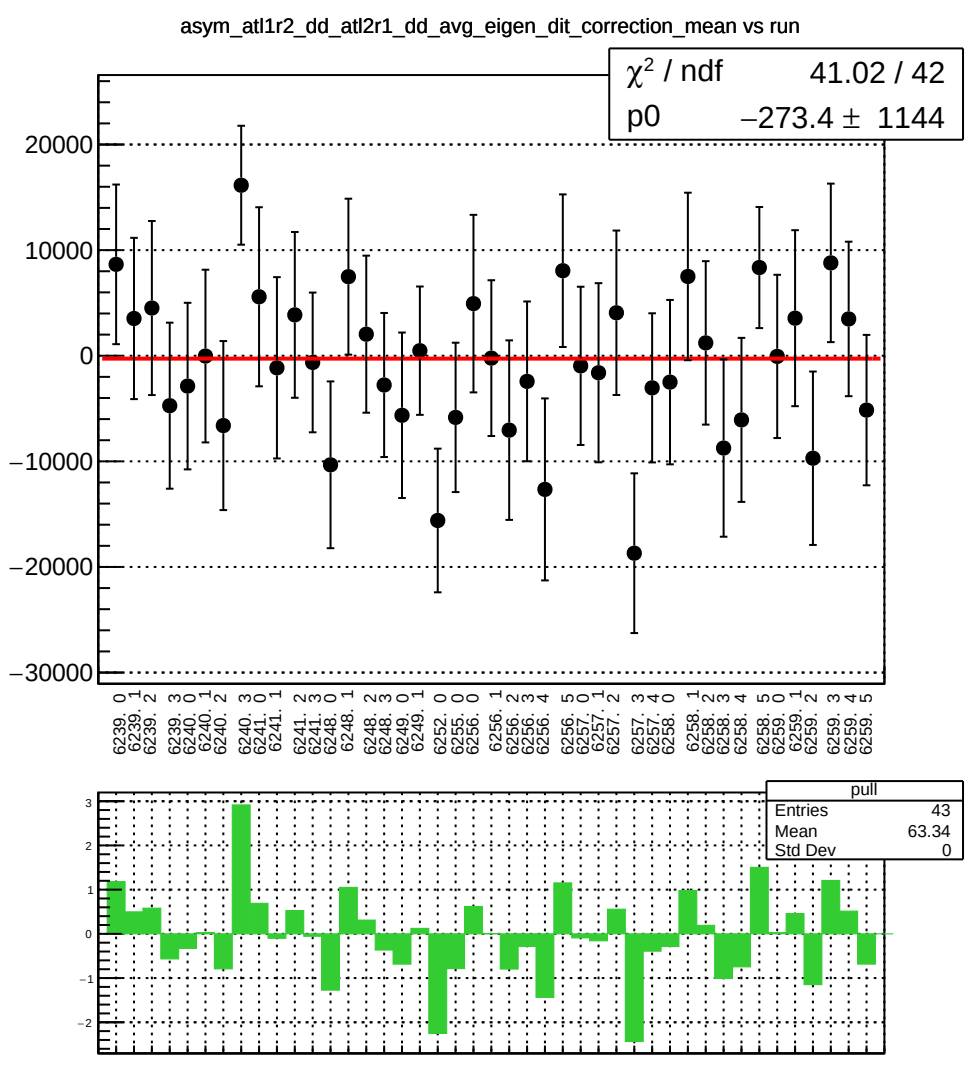
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.02 / 42
p0 −273.4 ± 1144
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
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6256. 0
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6256. 2
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6256. 5
6257. 0
6257. 1
6257. 2
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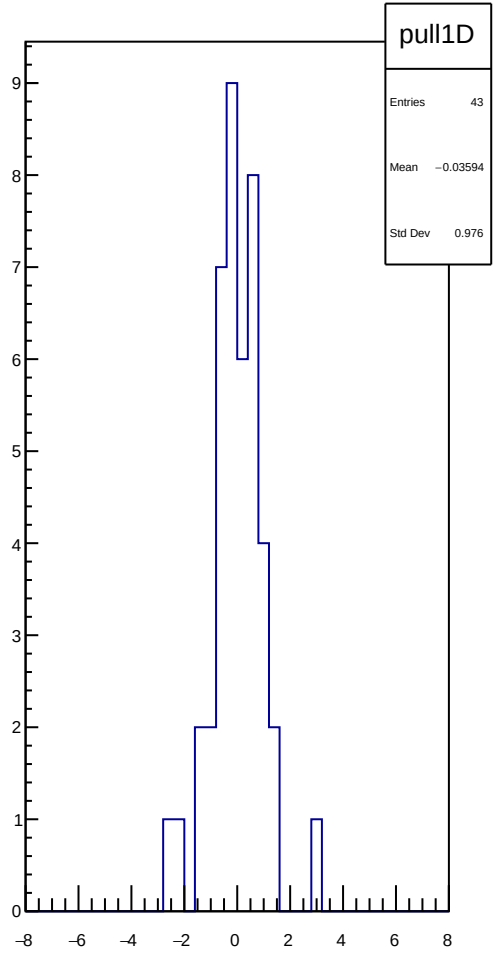
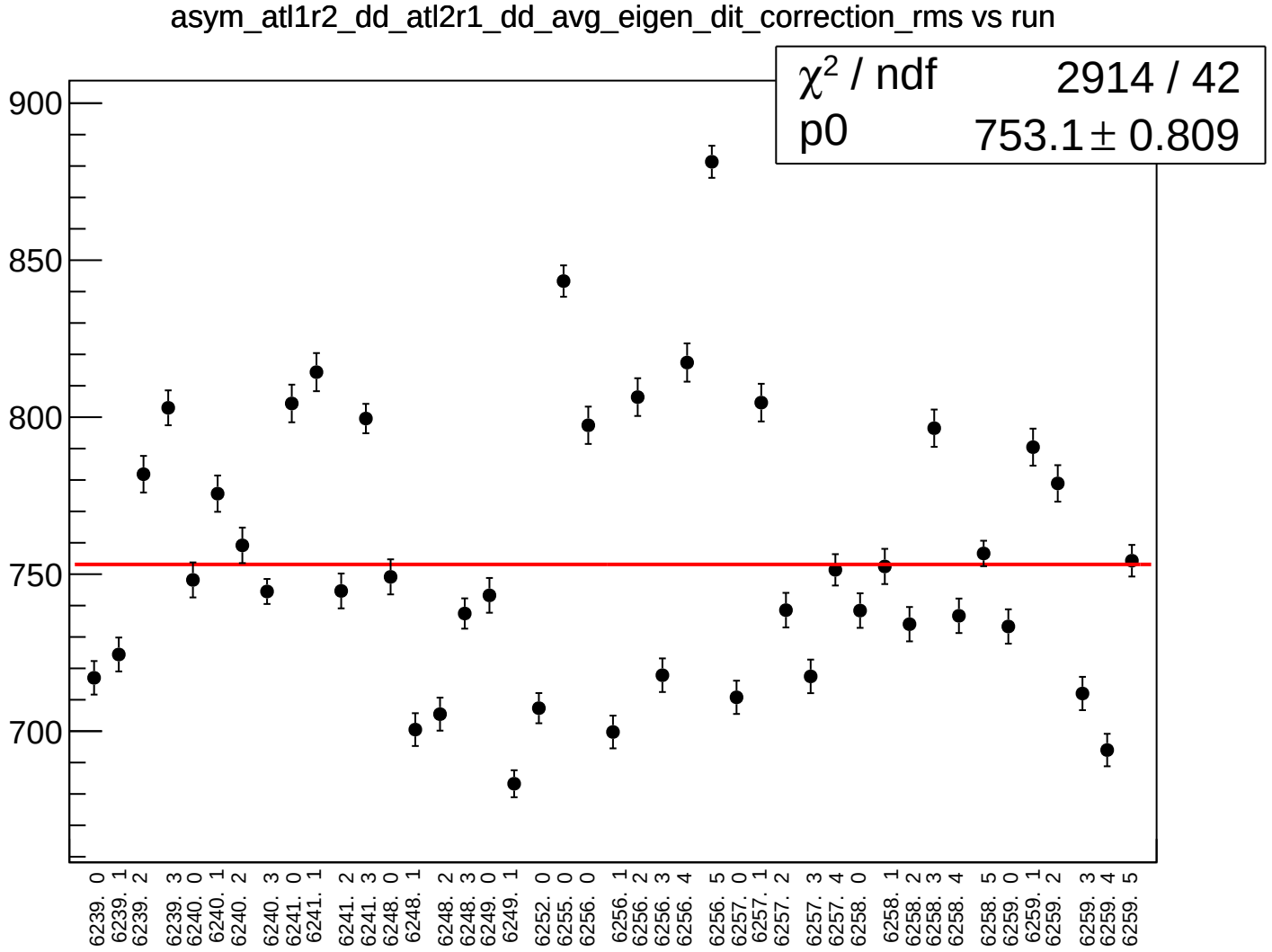
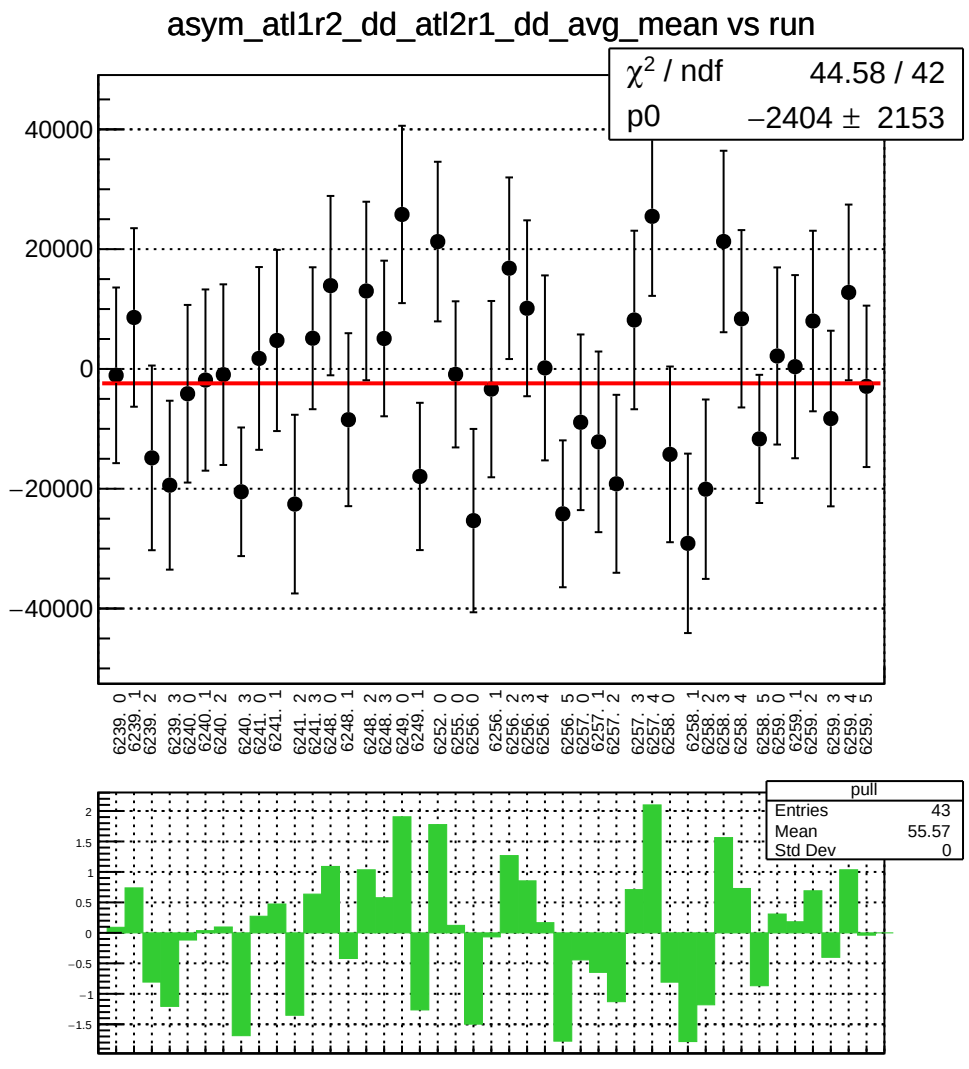
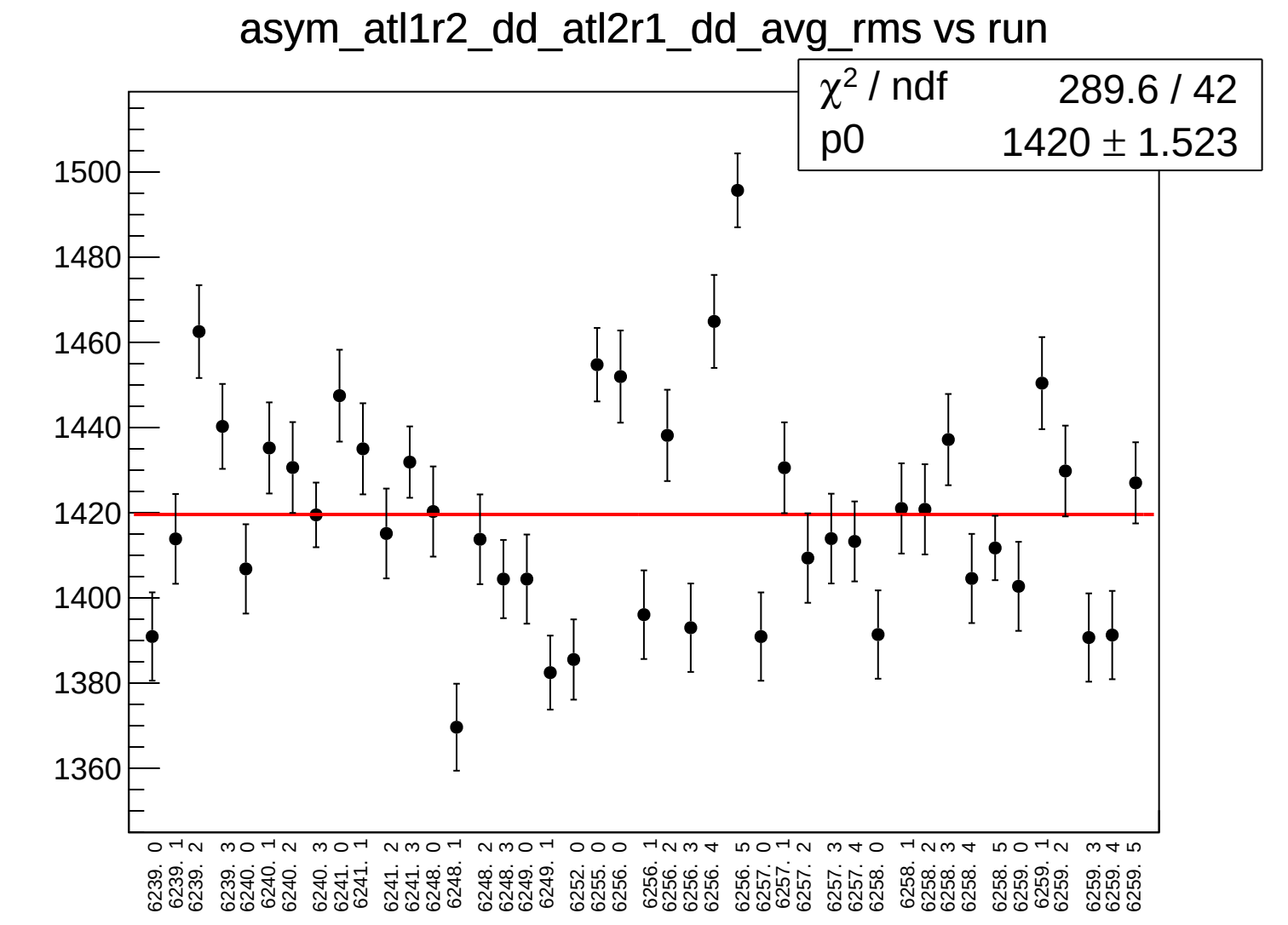
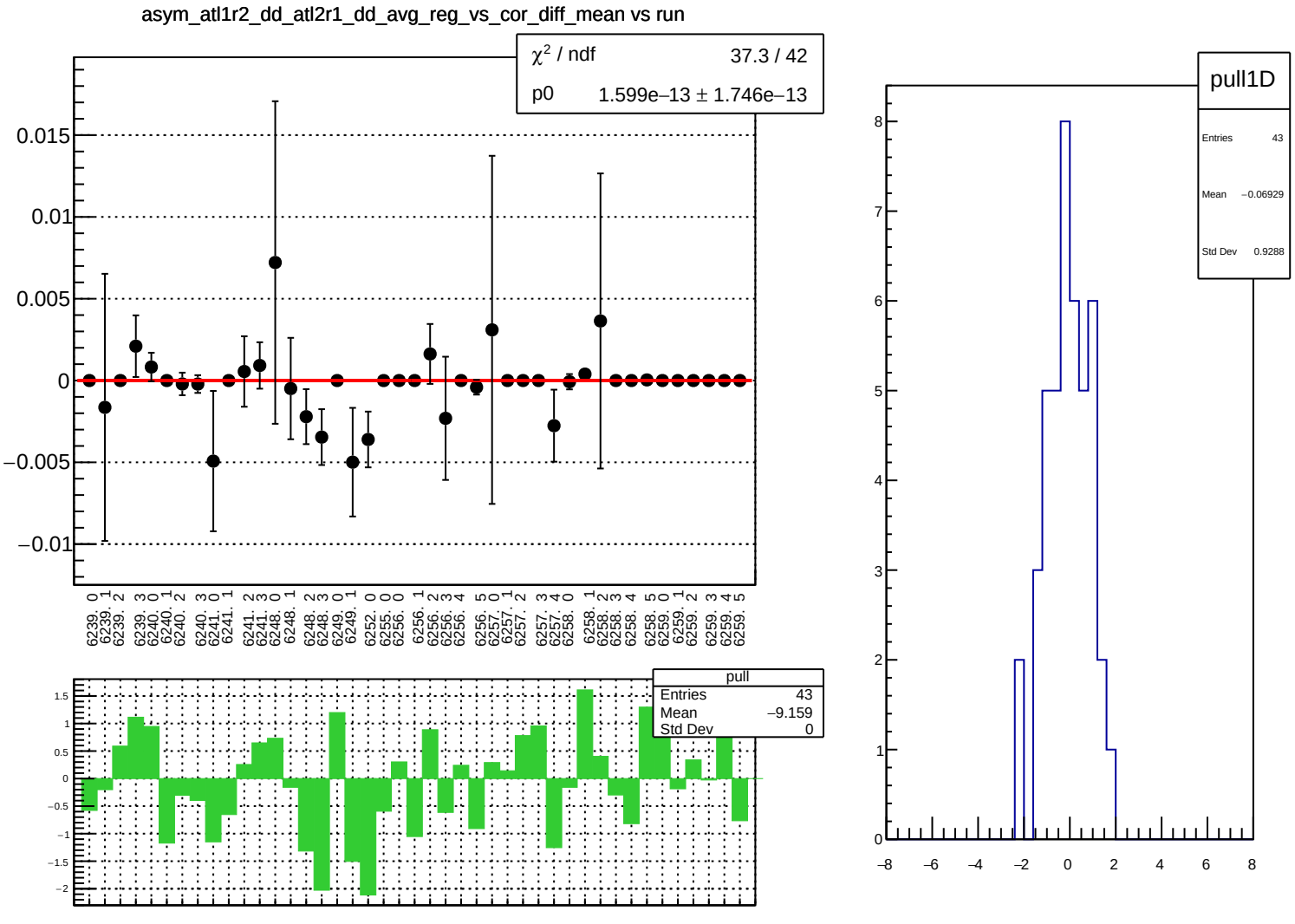
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.34
Std Dev 0
3
2
1
0
−1
−2

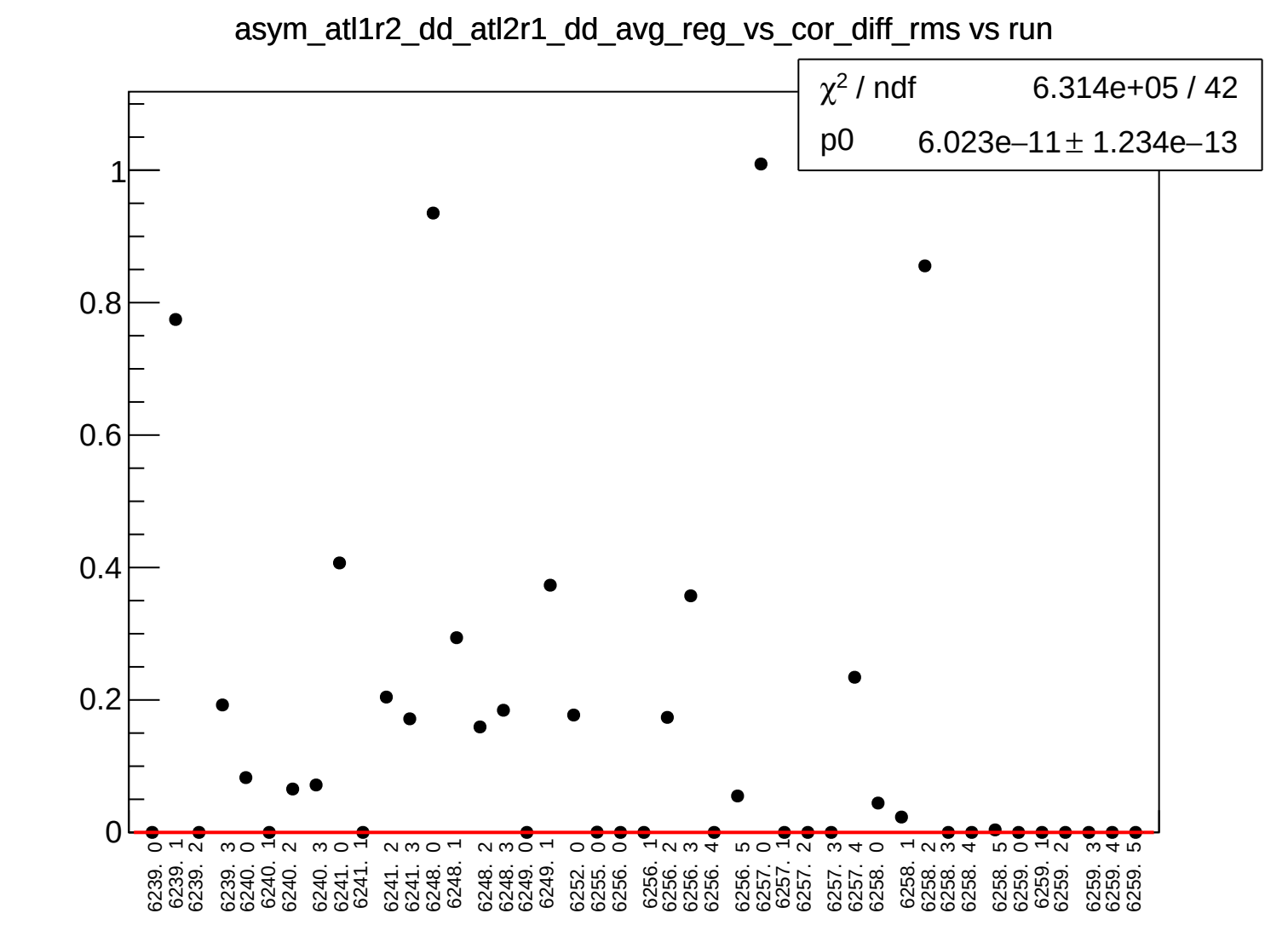

pull1D
Entries 43
Mean −0.03594
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

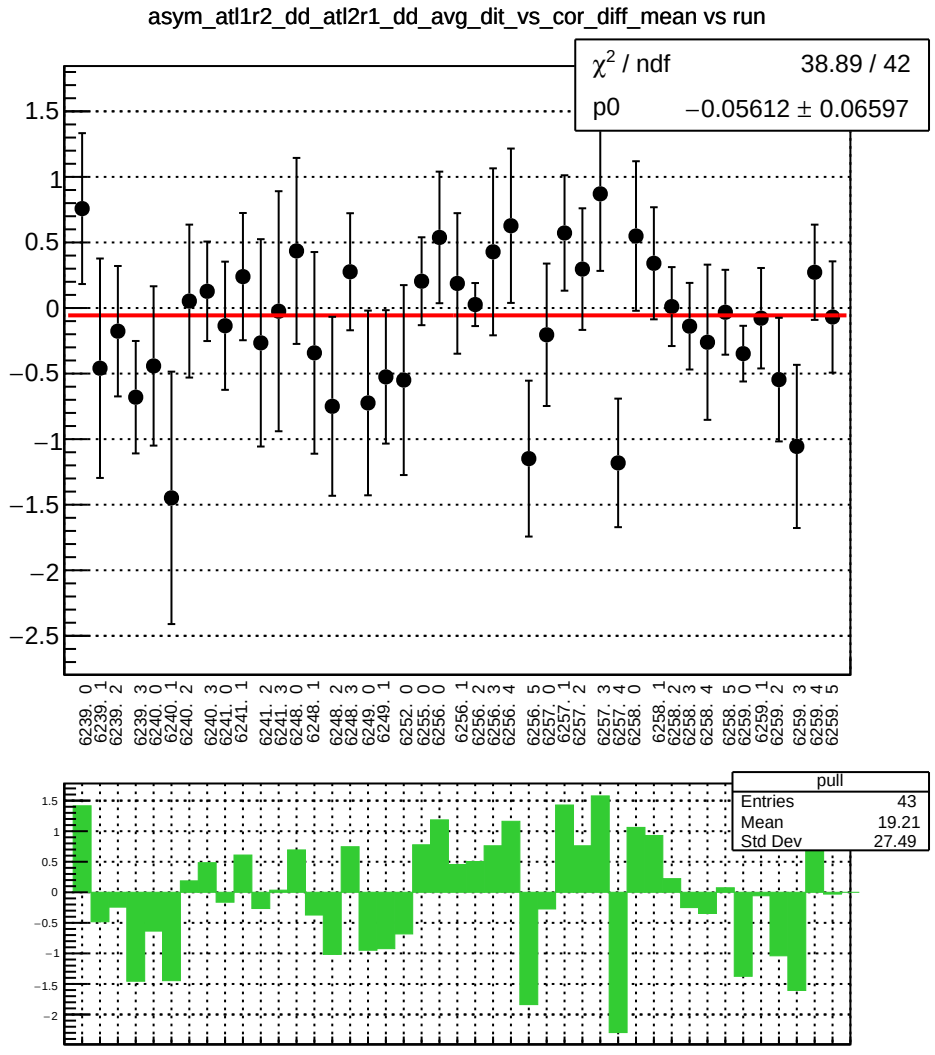

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2914 / 42
p0 753.1 ± 0.809
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

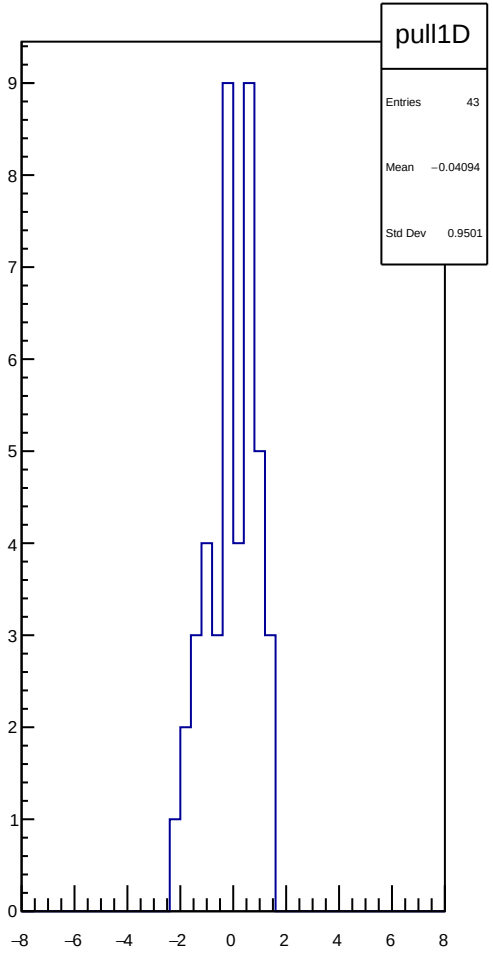

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 44.58 / 42
p0 −2404 ± 2153
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02245
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

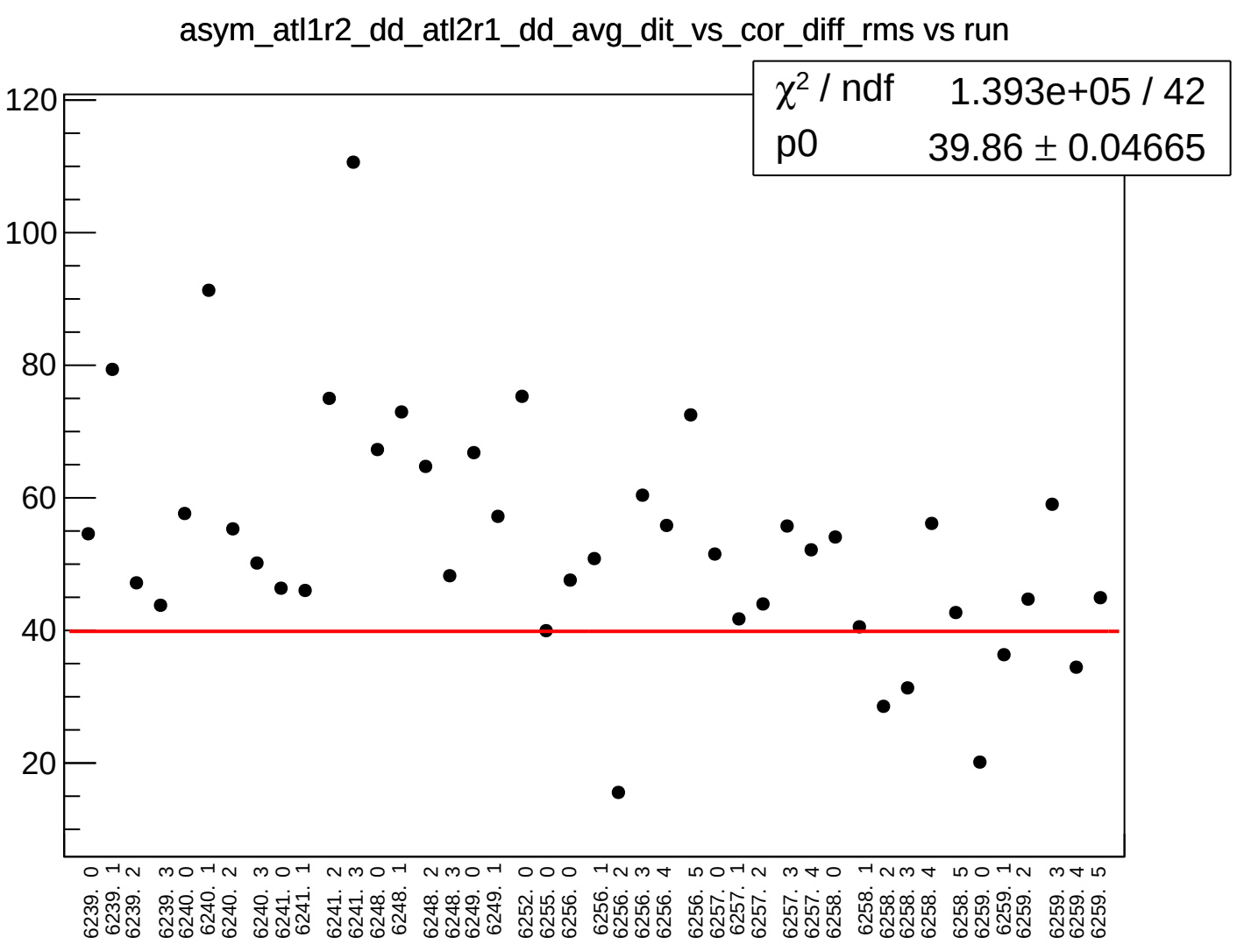

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 289.6 / 42
p0 1420 ± 1.523
1500
1480
1460
1440
1420
1400
1380
1360
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

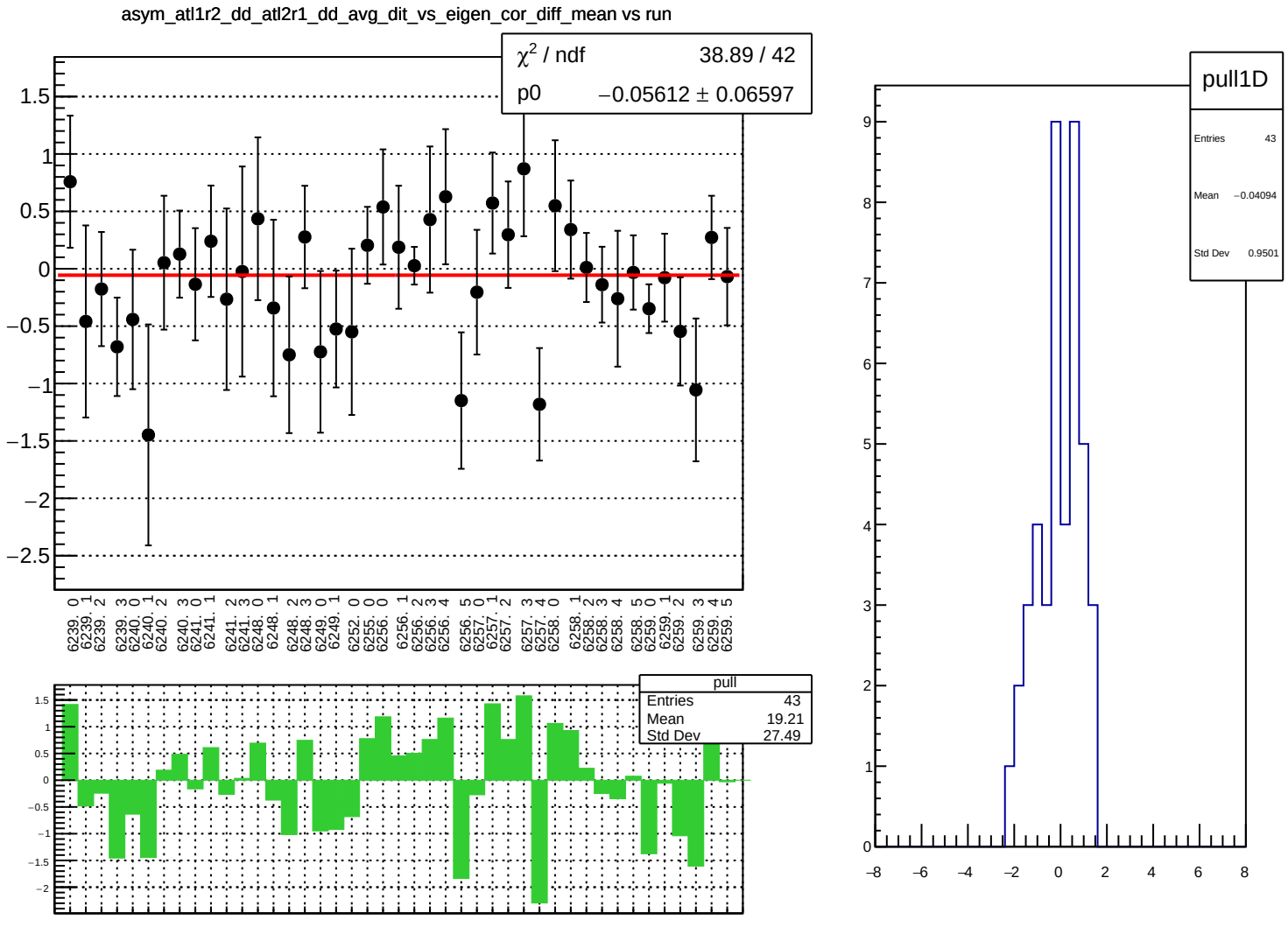

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 37.3 / 42
p0 1.599e−13 ± 1.746e−13
0.015
0.01
0.005
0
−0.005
−0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −9.159
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.06929
Std Dev 0.9288
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

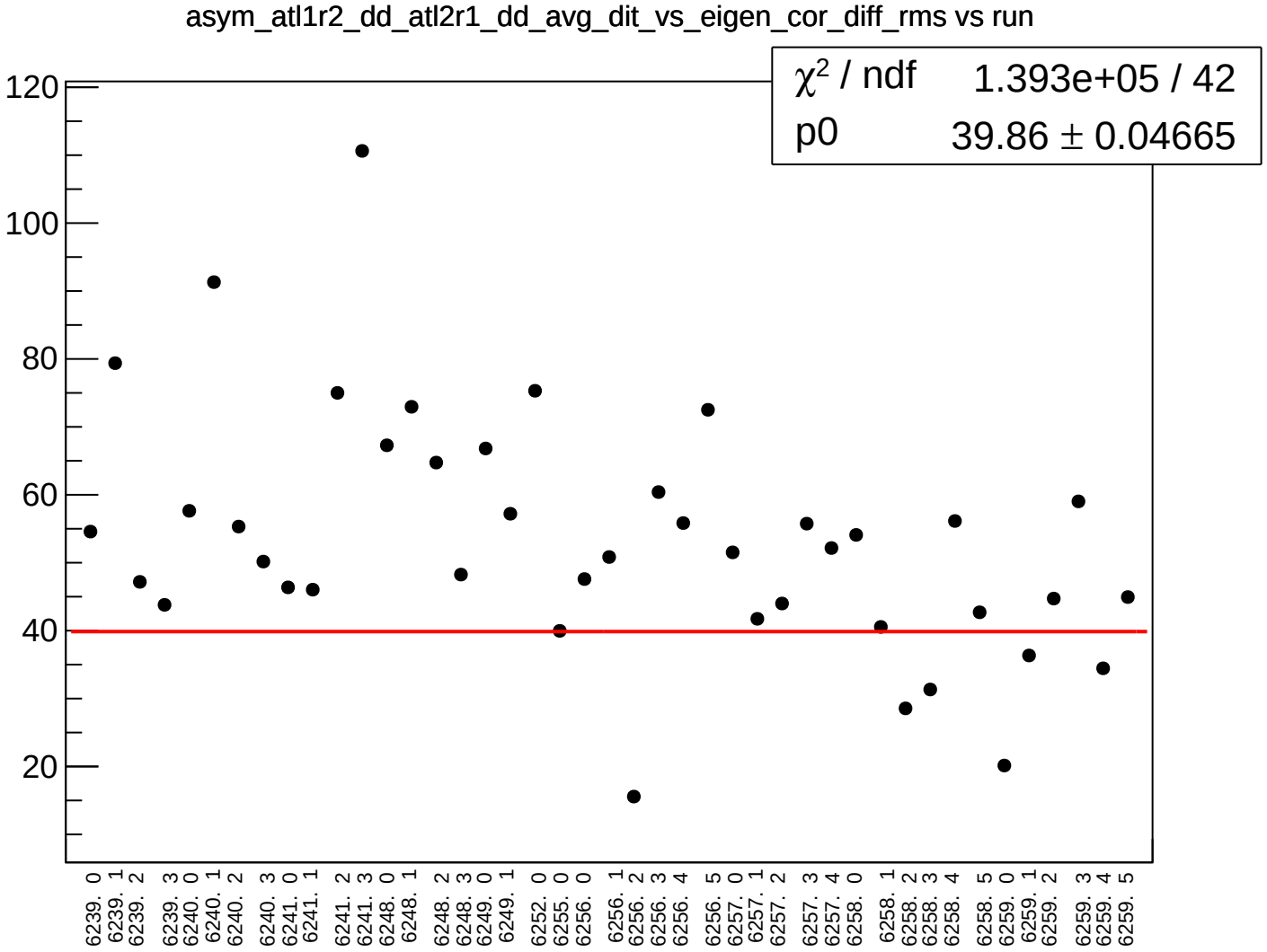

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.314e+05 / 42
p0 6.023e−11 ± 1.234e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

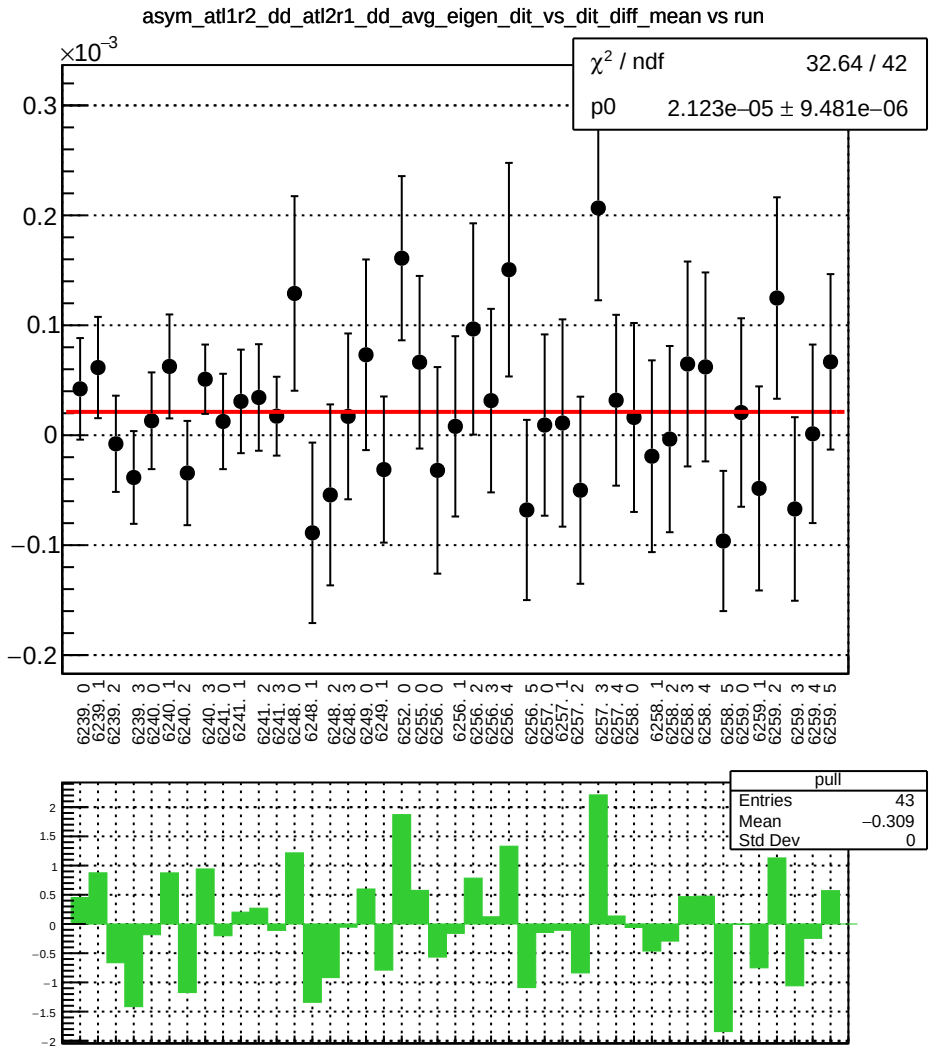

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.05612 ± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49

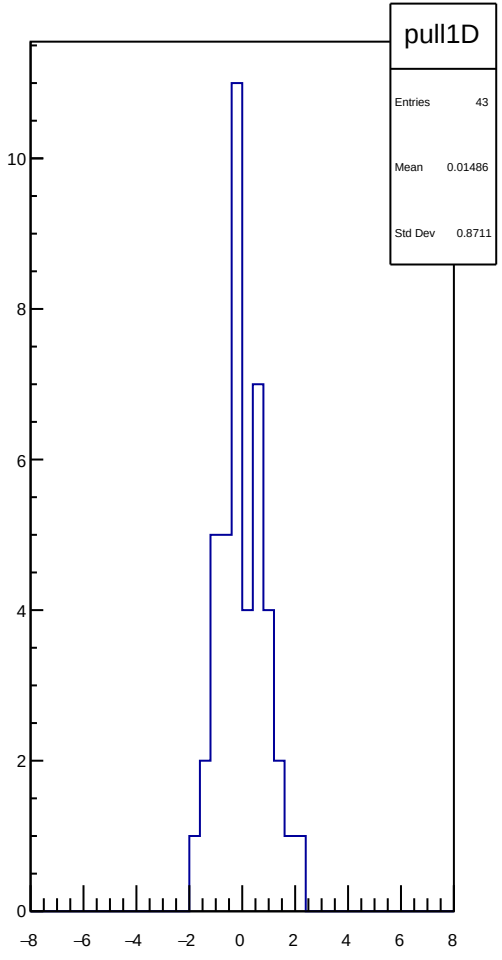

pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501

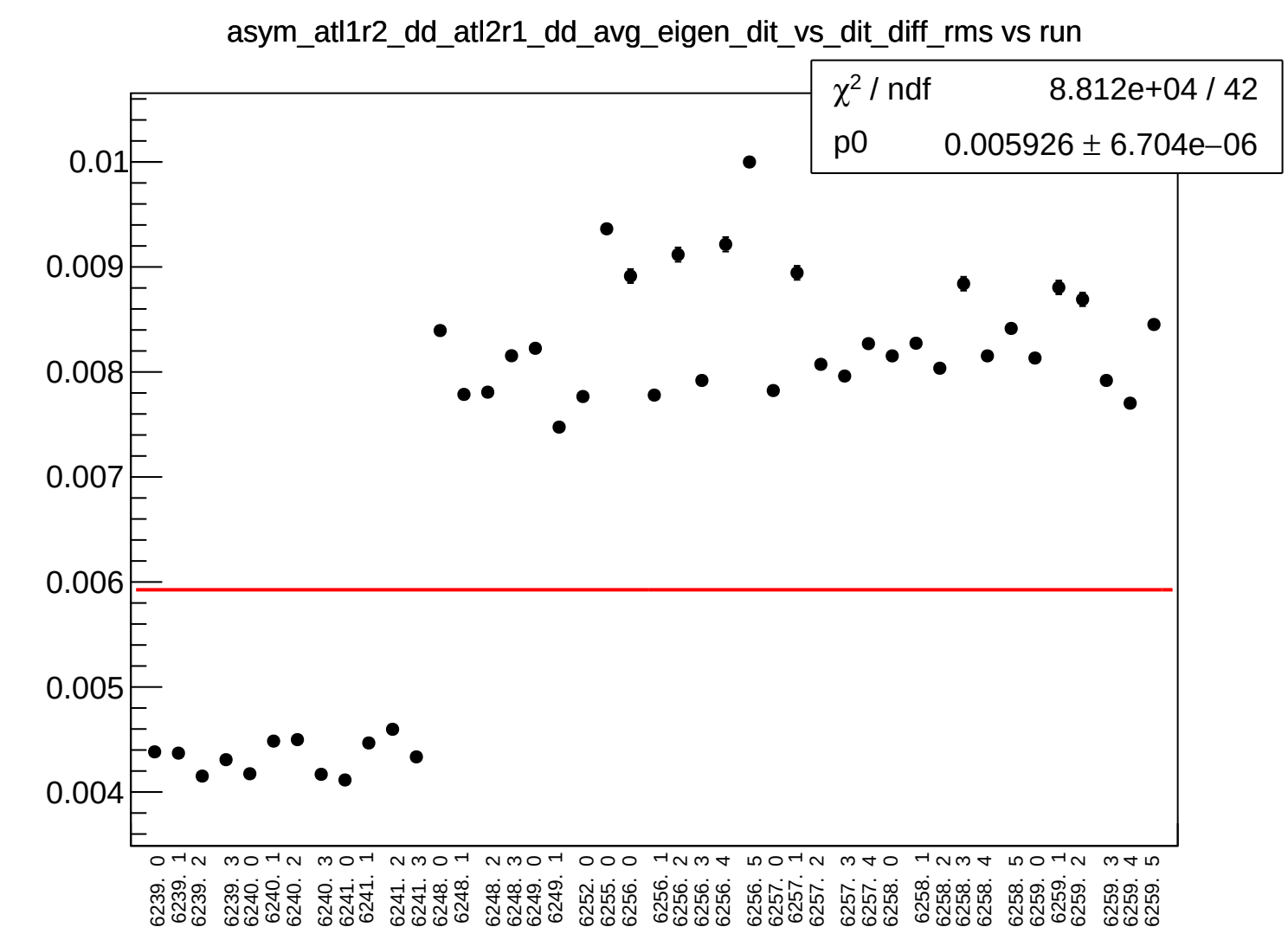

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

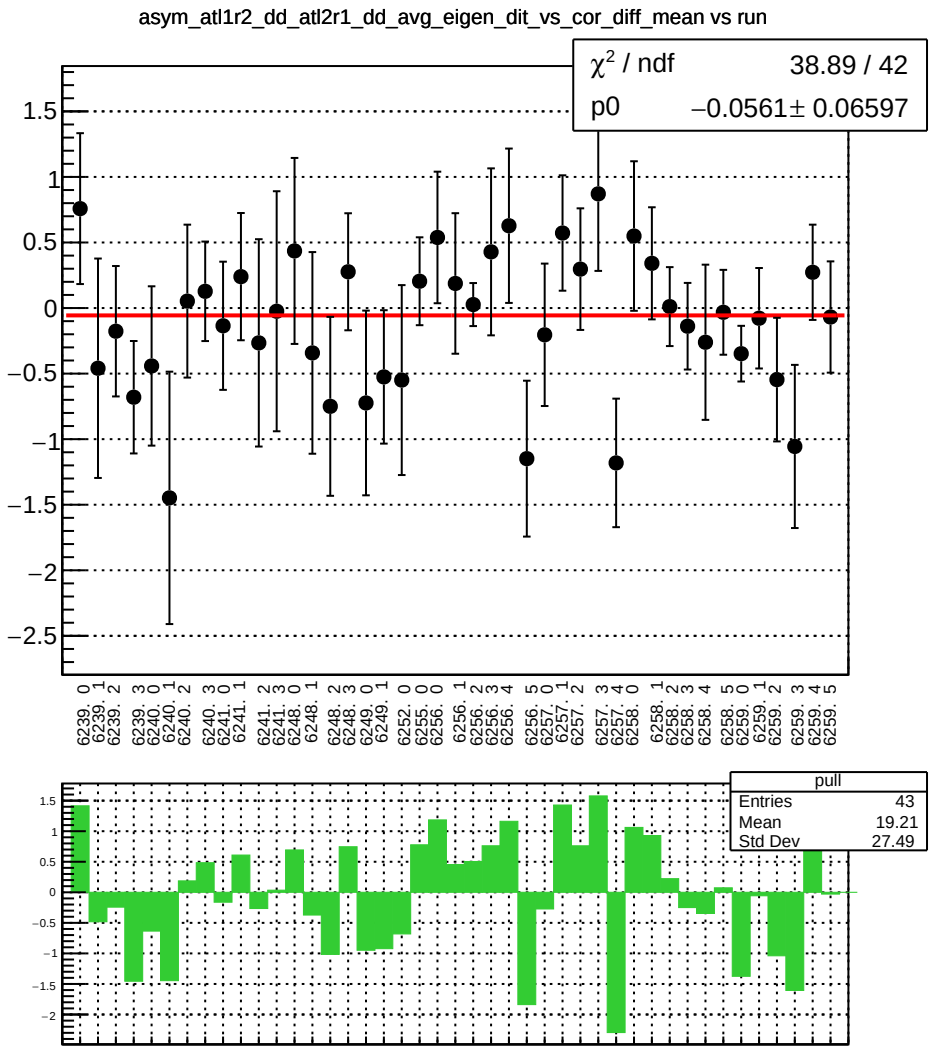

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.05612 ± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49
pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501

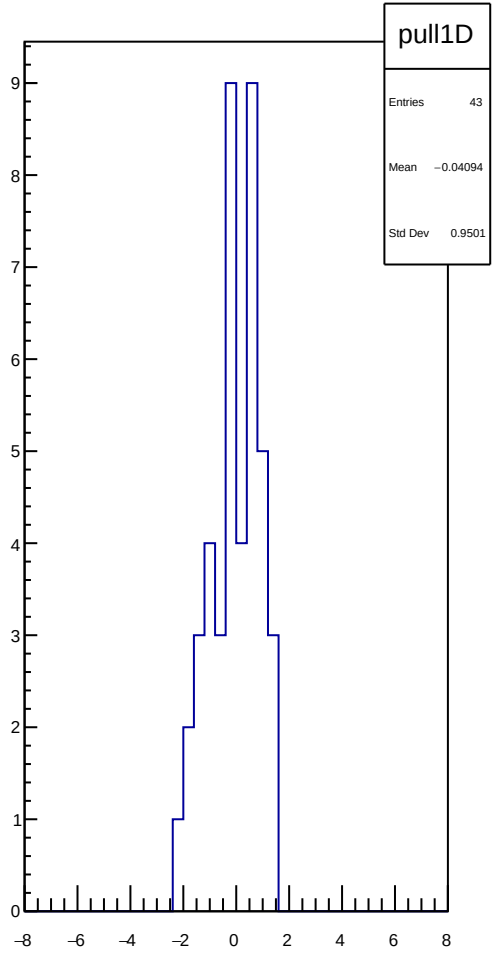

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

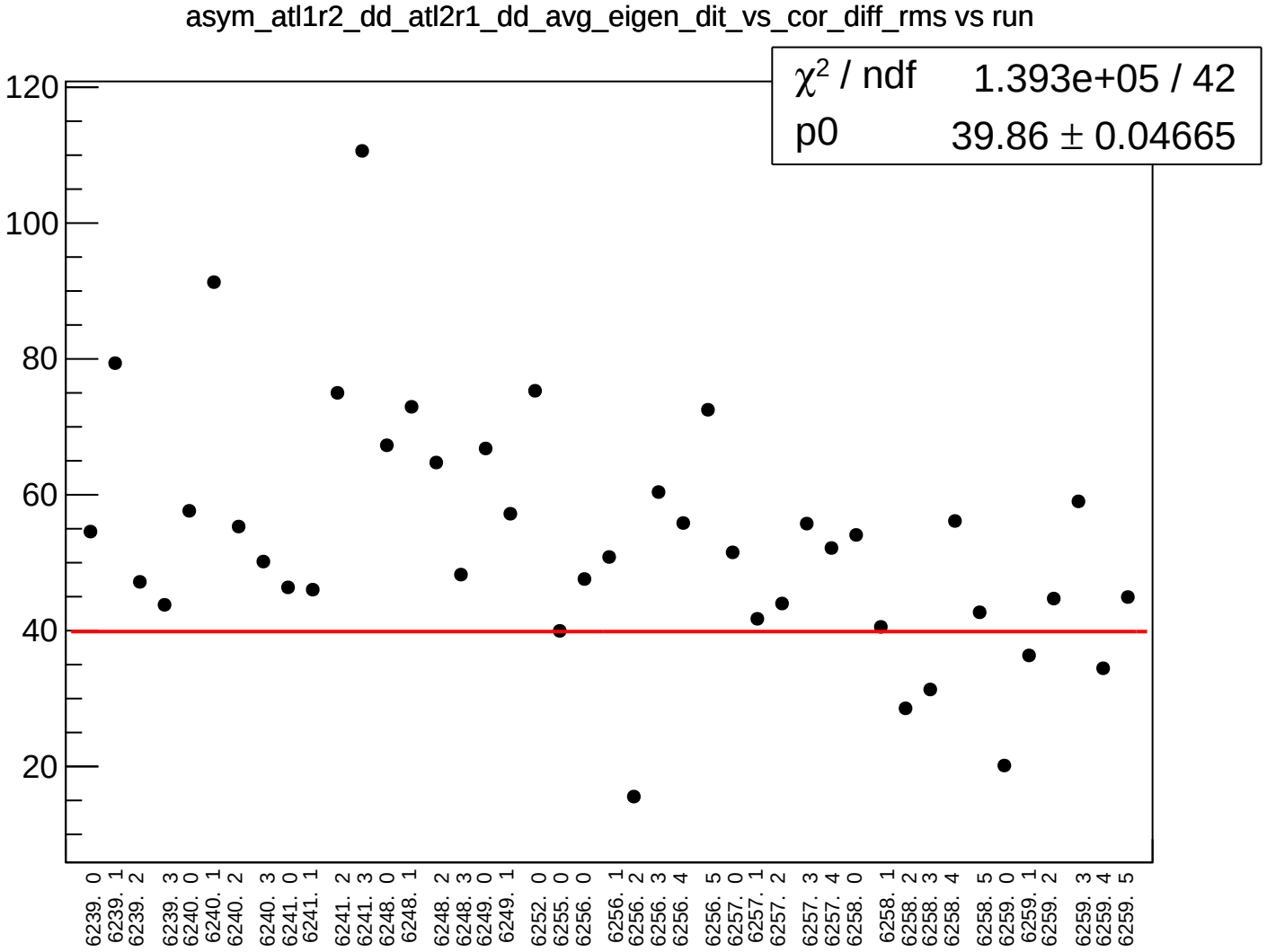

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.64 / 42
p0 2.123e−05 ± 9.481e−06
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.309
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

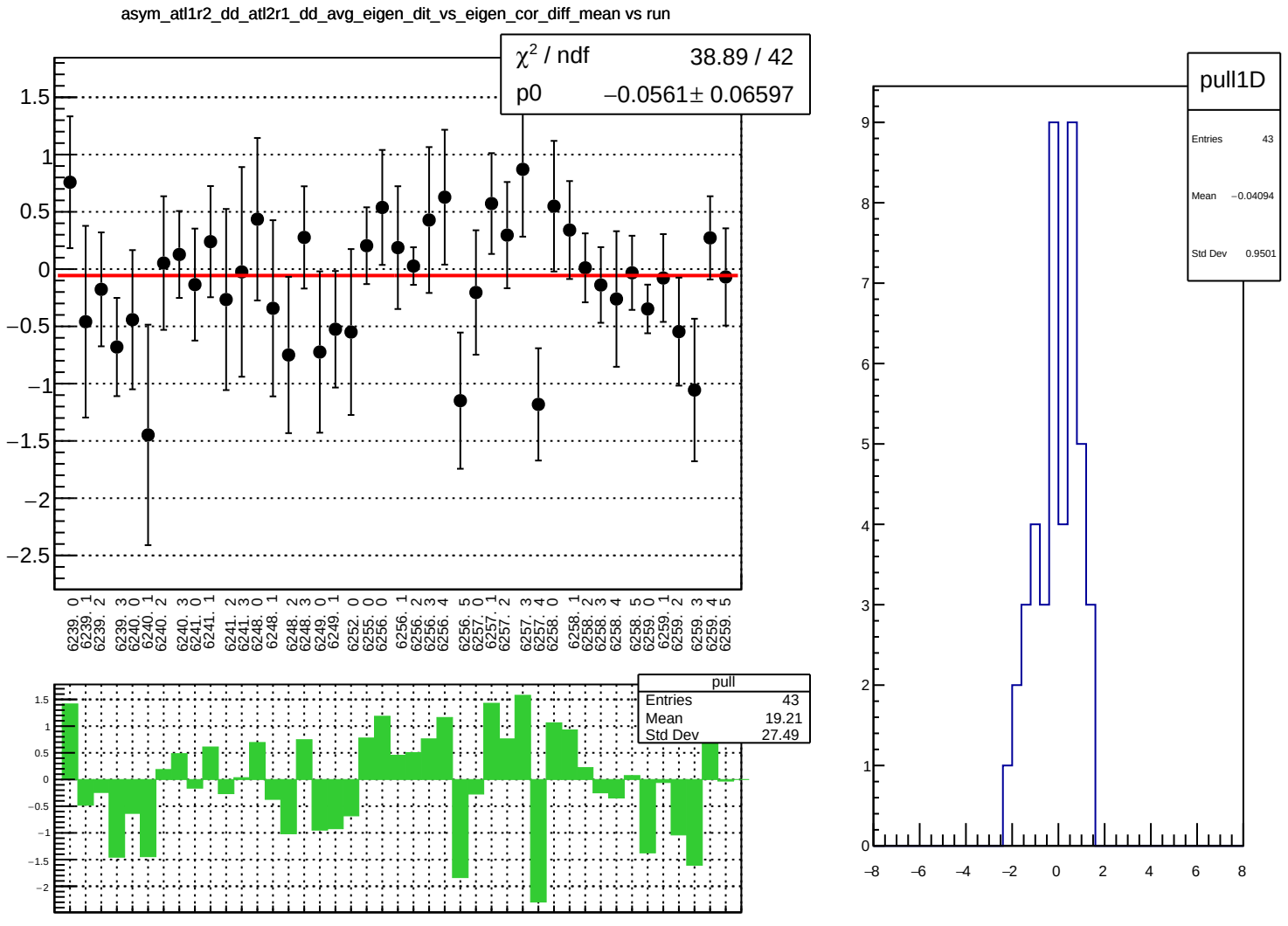

pull1D
Entries 43
Mean 0.01486
Std Dev 0.8711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

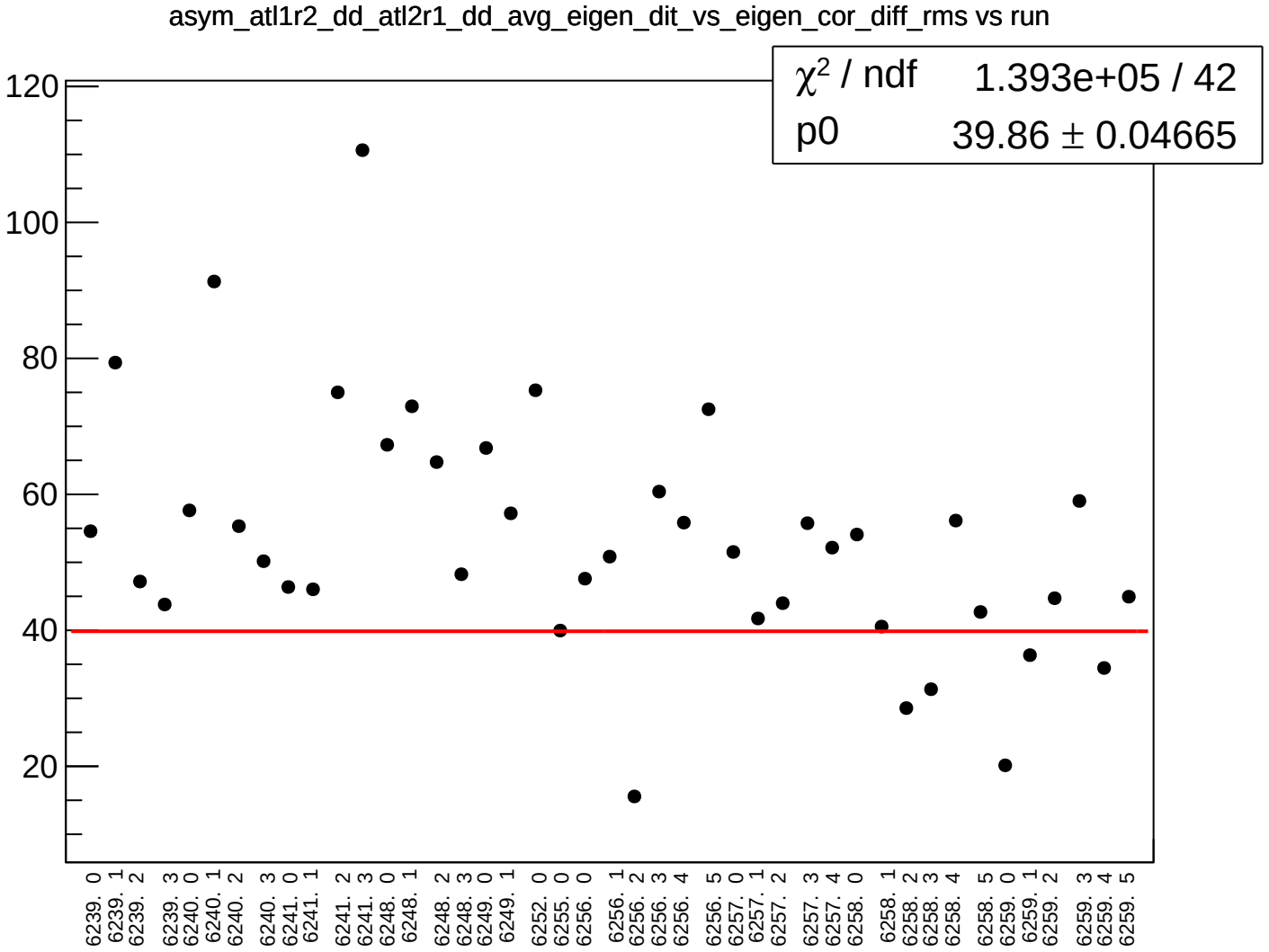

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.812e+04 / 42
p0 0.005926 ± 6.704e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

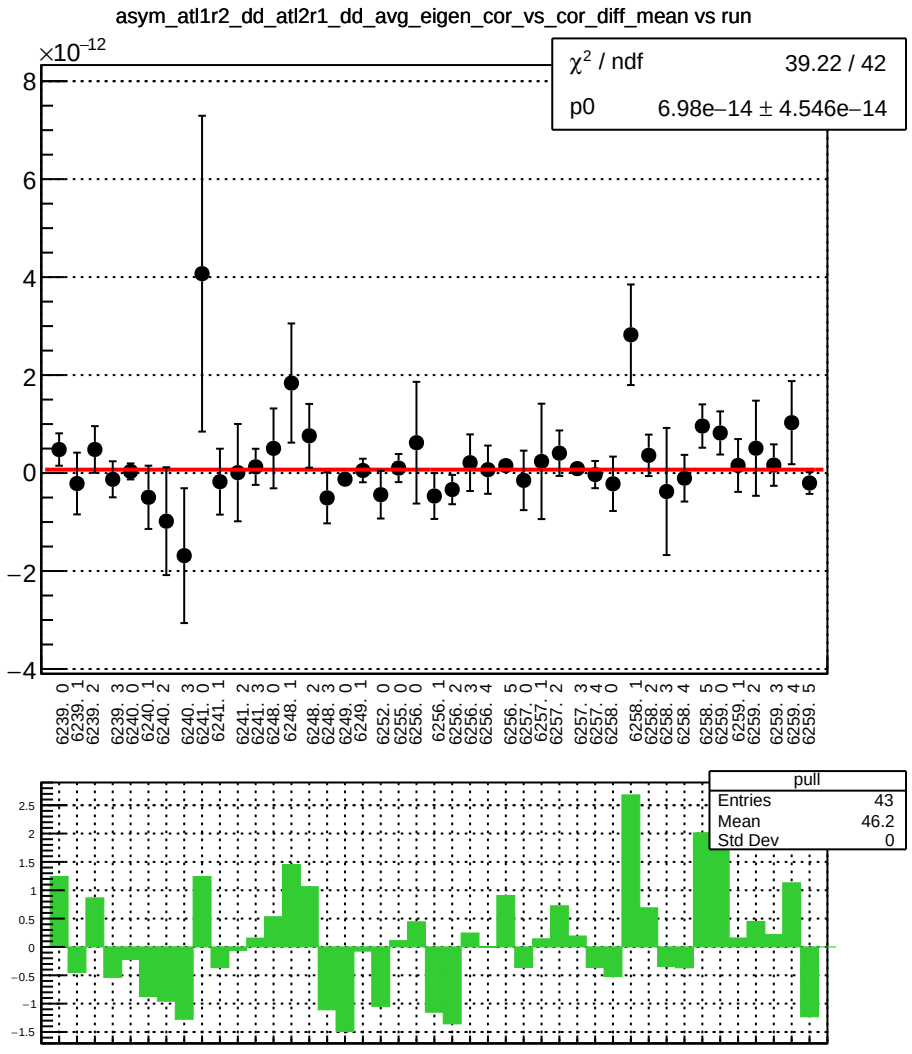

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.0561± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49

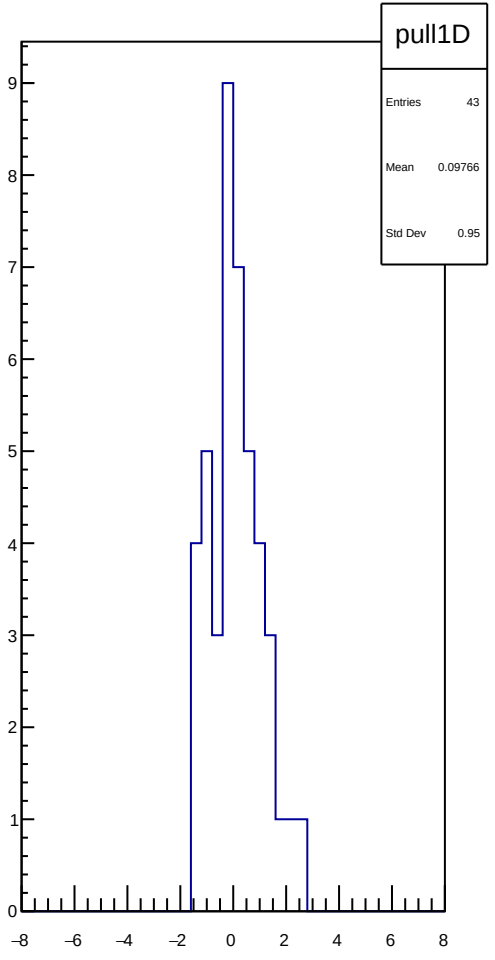

pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501

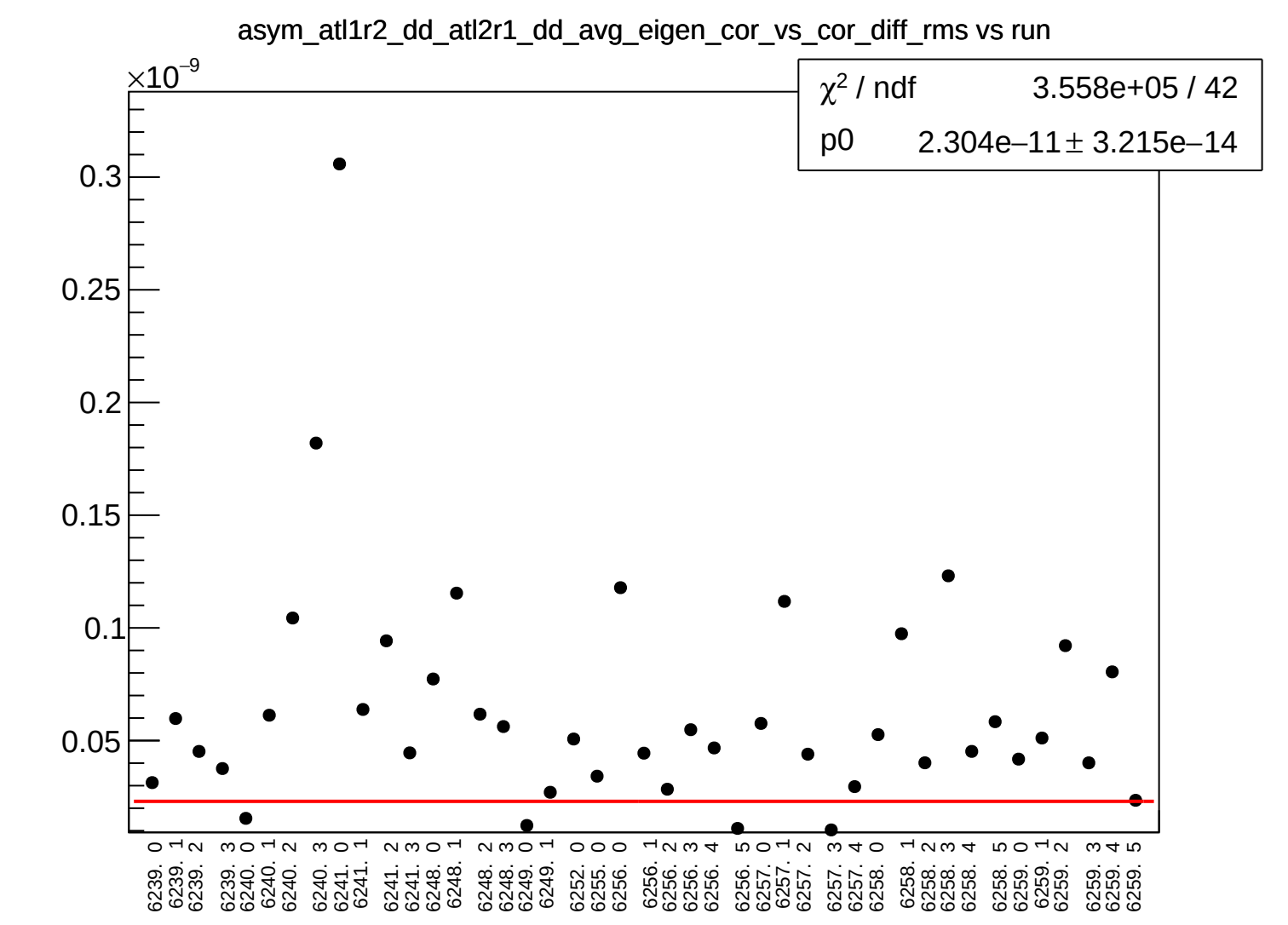

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

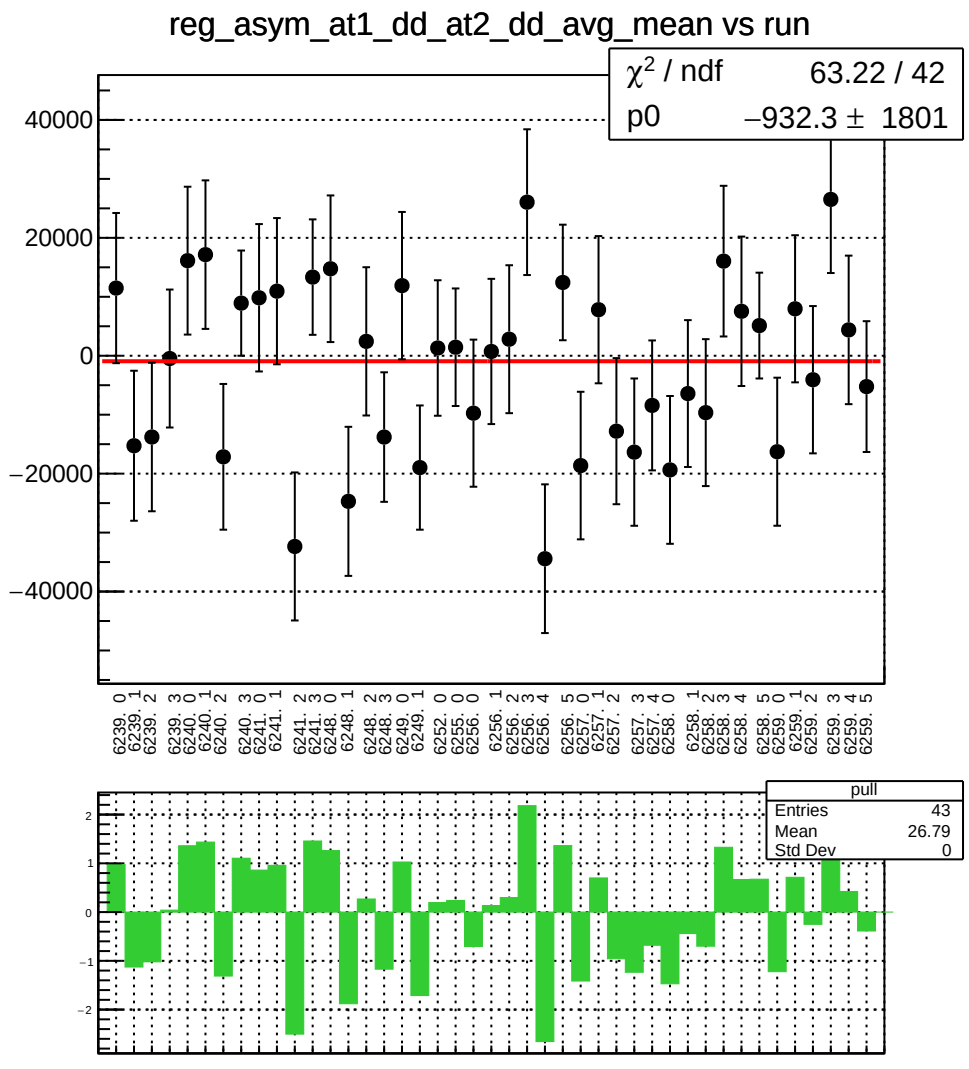

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.0561± 0.06597
pull
Entries 43
Mean 19.21
Std Dev 27.49
pull1D
Entries 43
Mean −0.04094
Std Dev 0.9501

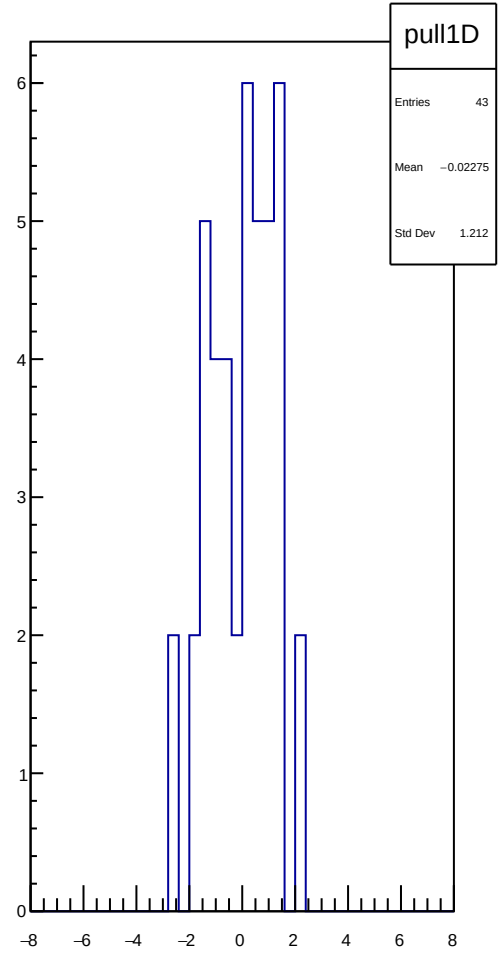

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.393e+05 / 42
p0 39.86 ± 0.04665
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

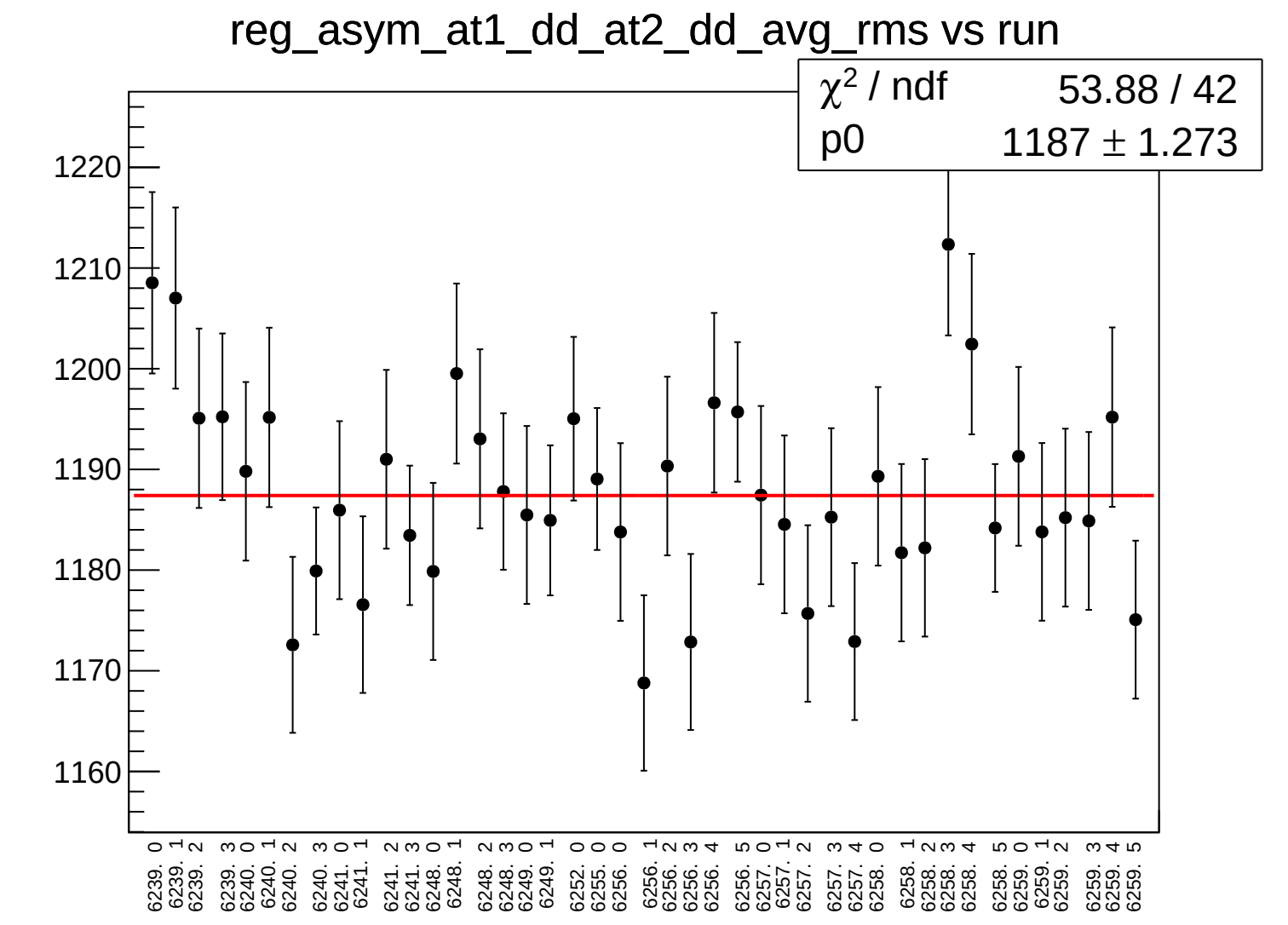

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.22 / 42
p0 6.98e−14 ± 4.546e−14
8
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

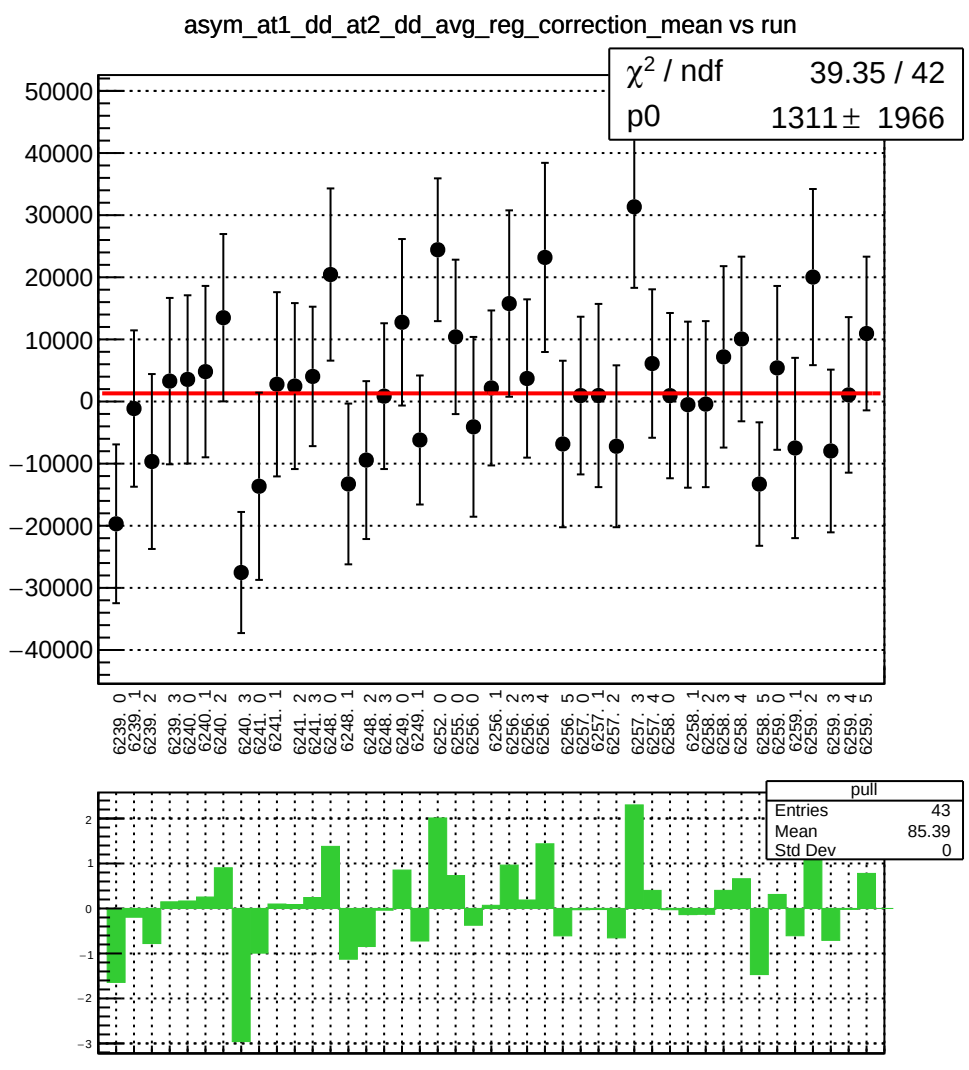

pull1D
Entries 43
Mean 0.09766
Std Dev 0.95
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

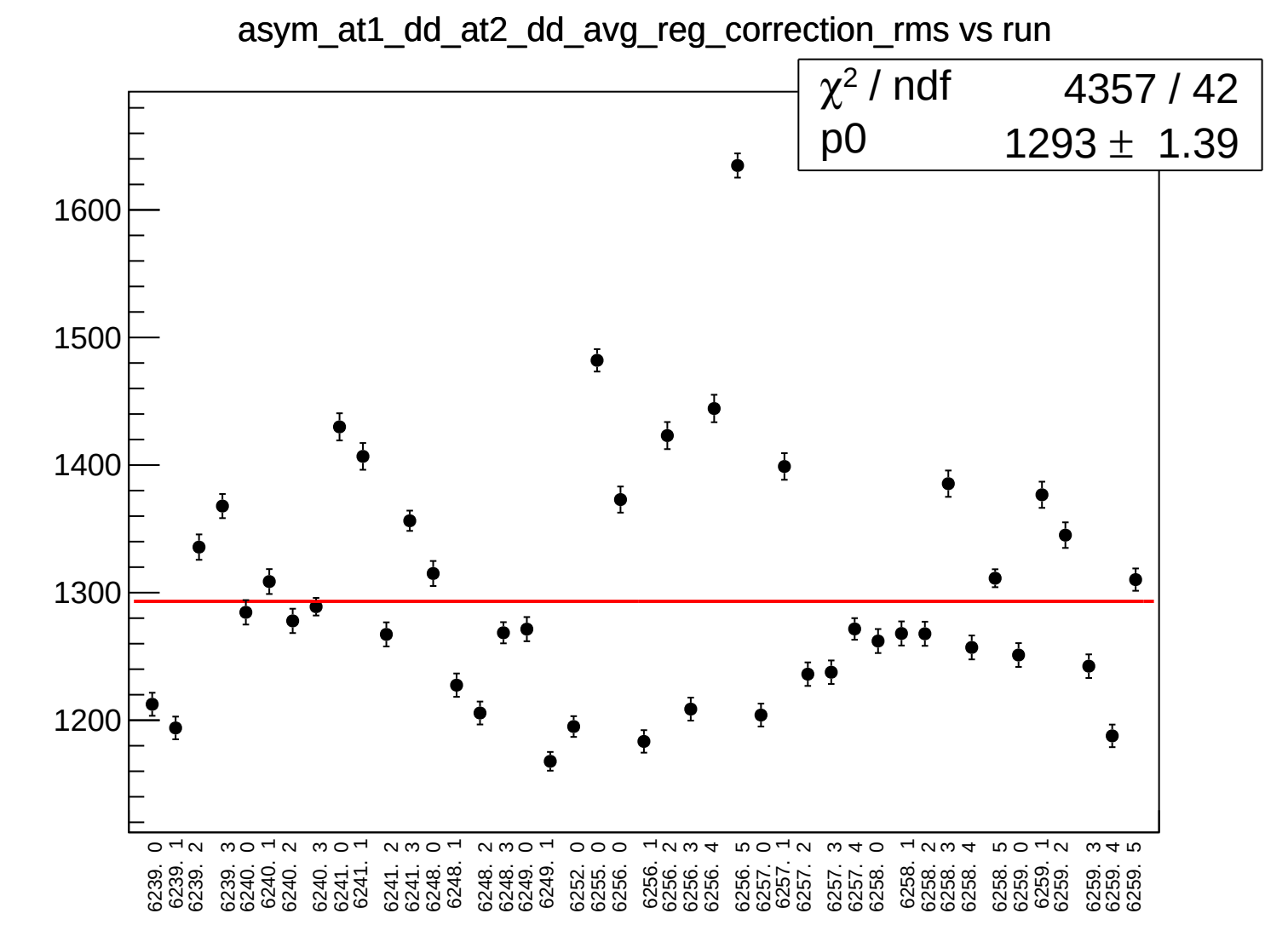

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.558e+05 / 42
p0 2.304e−11 ± 3.215e−14
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

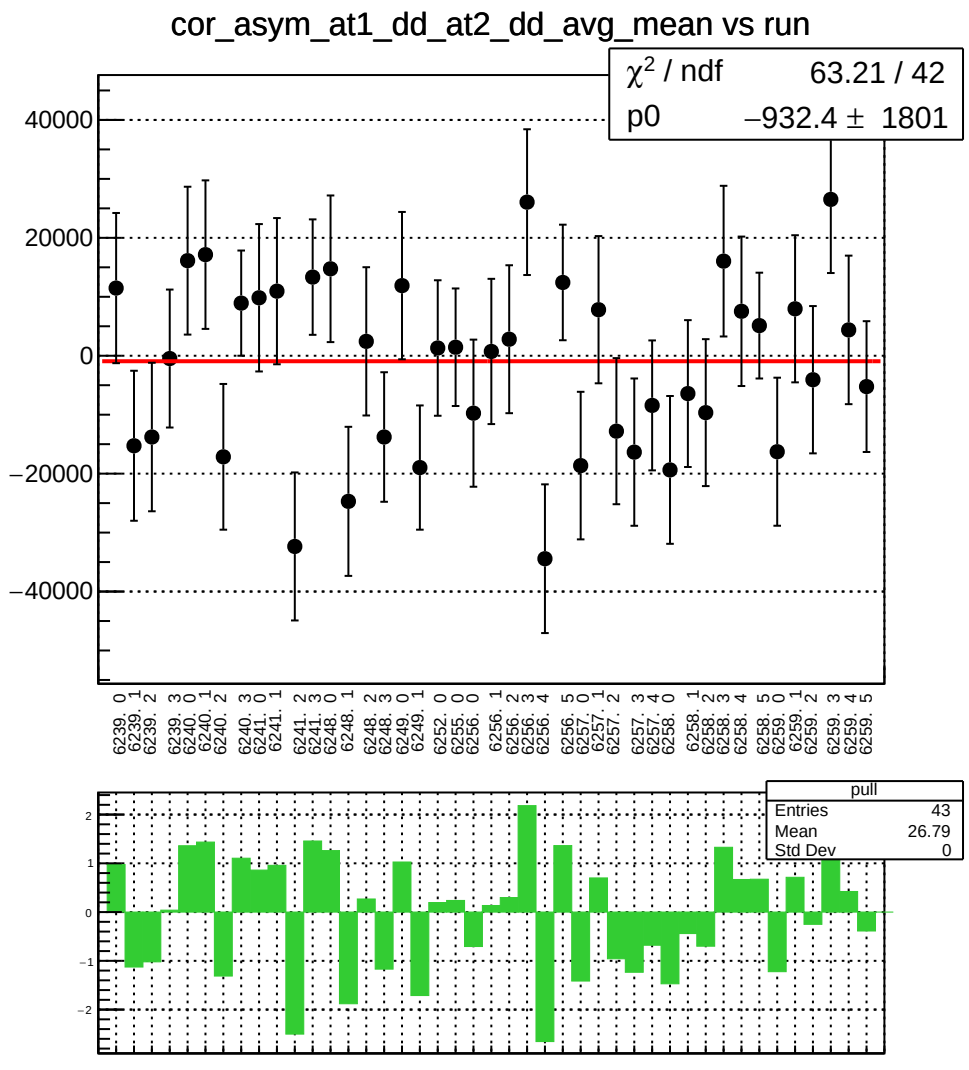

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 63.22 / 42
p0 −932.3 ± 1801
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 0
2
1
0
−1
−2

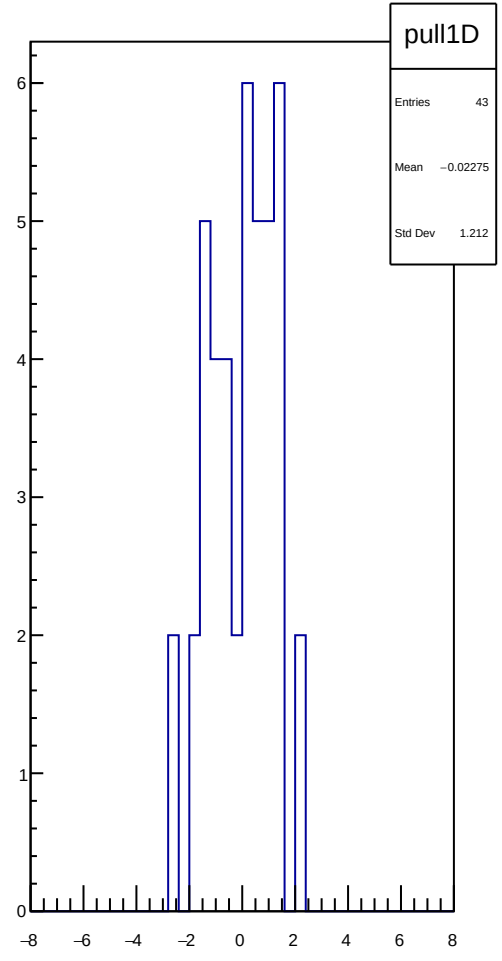

pull1D
Entries 43
Mean −0.02275
Std Dev 1.212
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

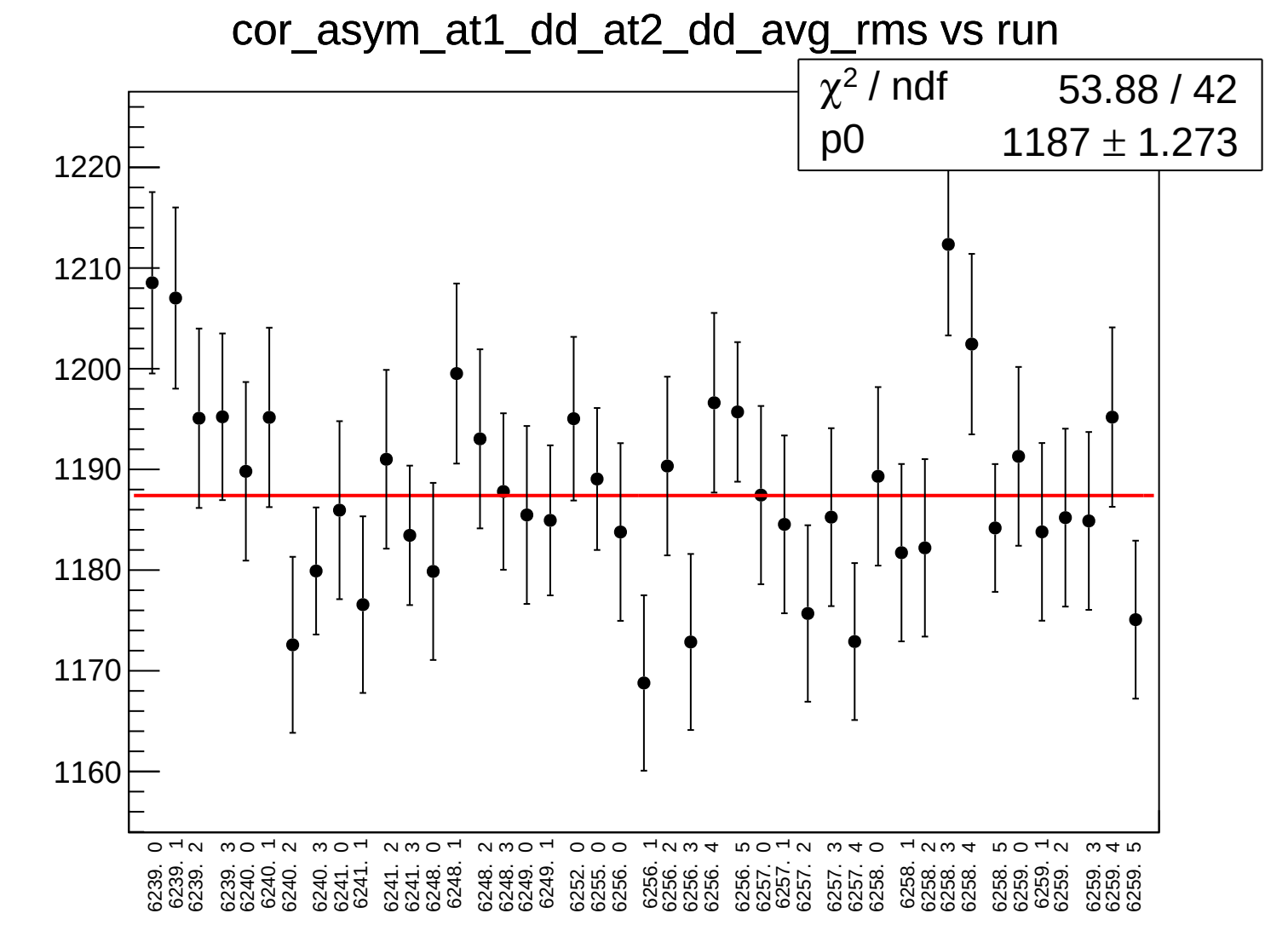

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 53.88 / 42
p0 1187 ± 1.273
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

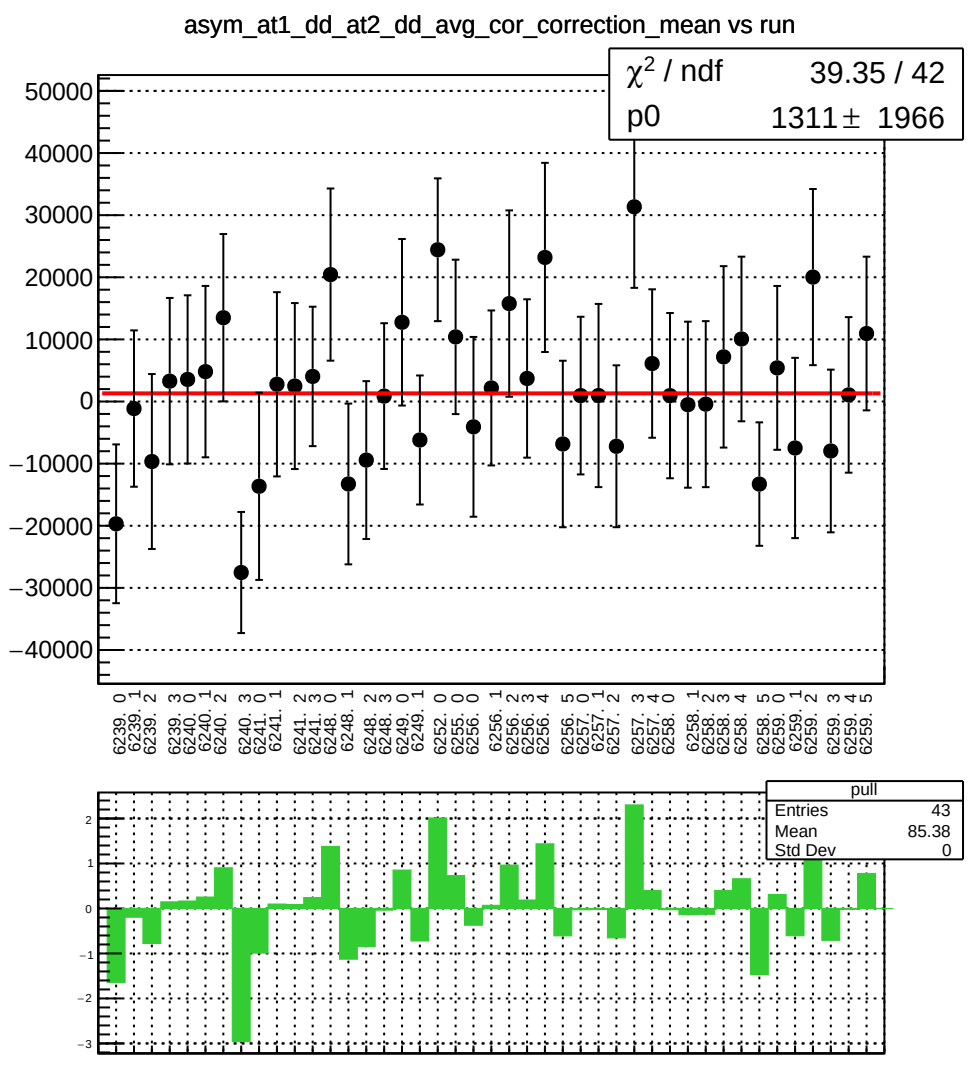

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 39.35 / 42
p0 1311 ± 1966
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.39
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03805
Std Dev 0.9559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

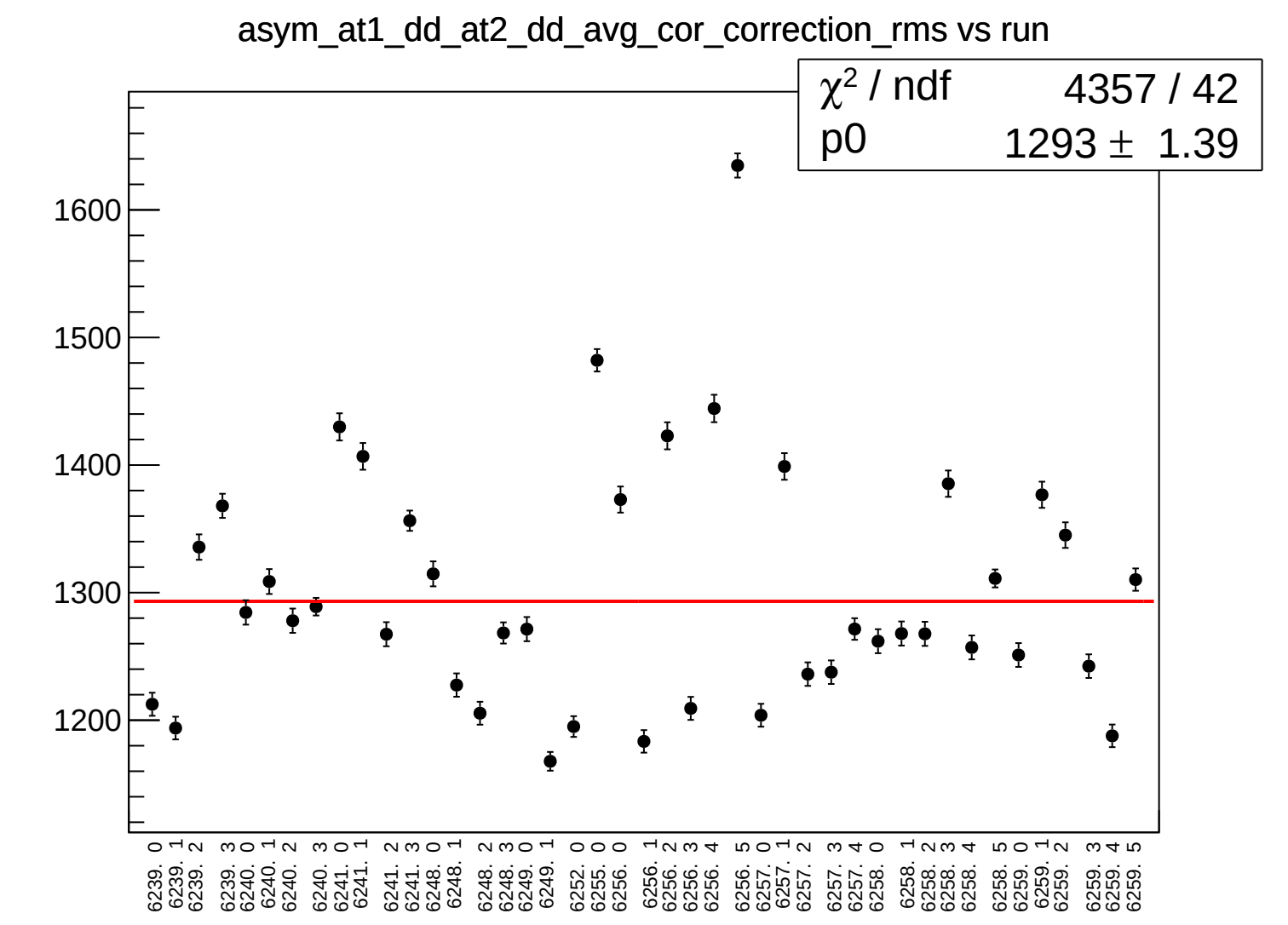

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 4357 / 42
p0 1293 ± 1.39
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

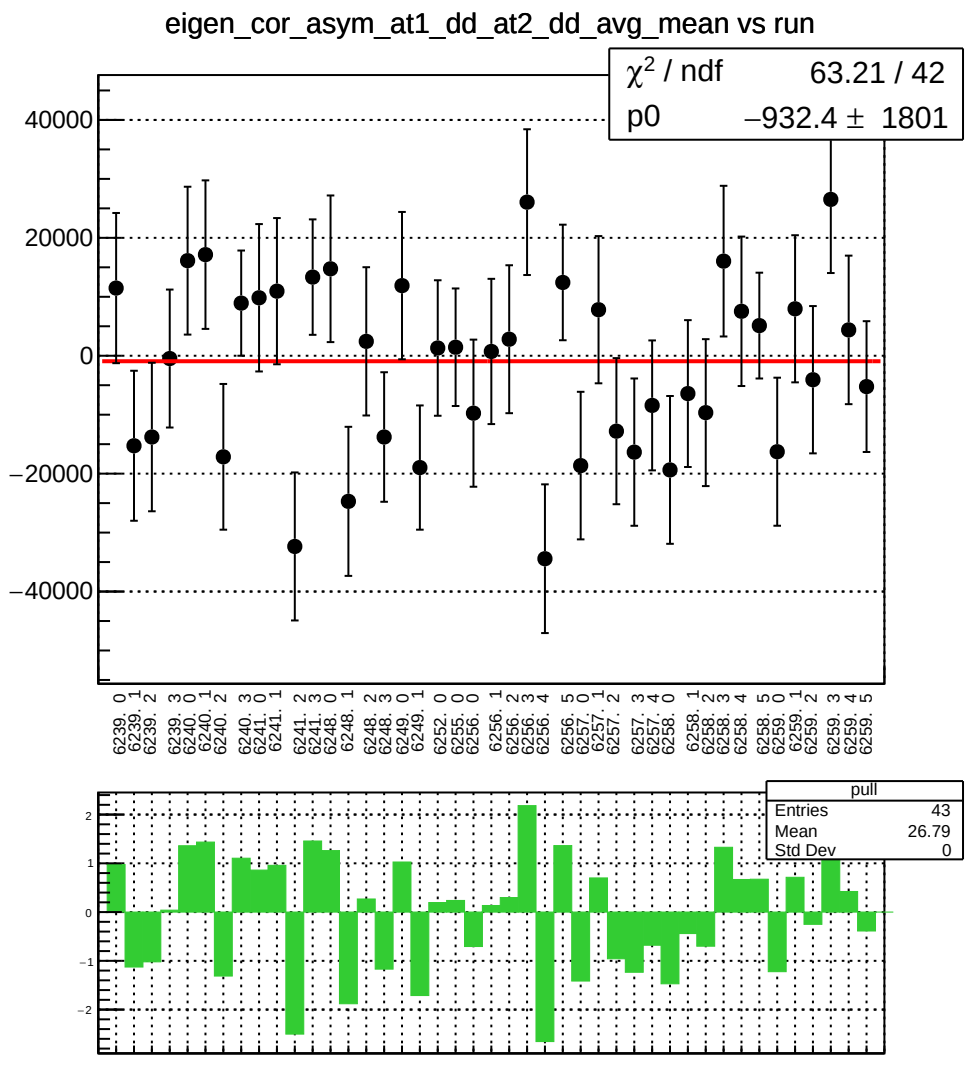

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 63.21 / 42
p0 −932.4 ± 1801
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 0
2
1
0
−1
−2

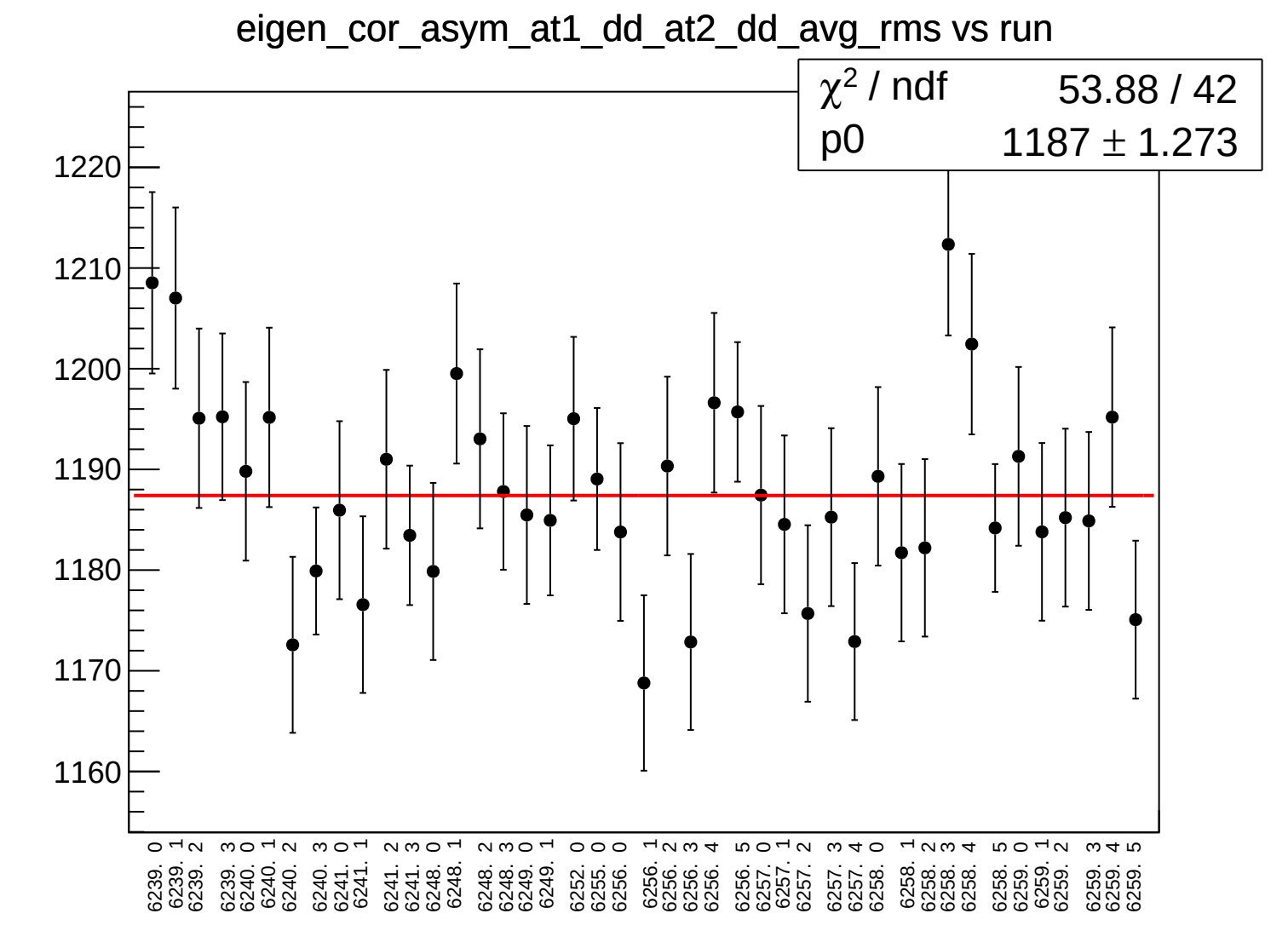

pull1D
Entries 43
Mean −0.02275
Std Dev 1.212
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 53.88 / 42
p0 1187 ± 1.273
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 39.35 / 42
p0 1311 ± 1966
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.38
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03805
Std Dev 0.9559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 4357 / 42
p0 1293 ± 1.39
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 63.21 / 42
p0 −932.4 ± 1801
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02275
Std Dev 1.212
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 53.88 / 42
p0 1187 ± 1.273
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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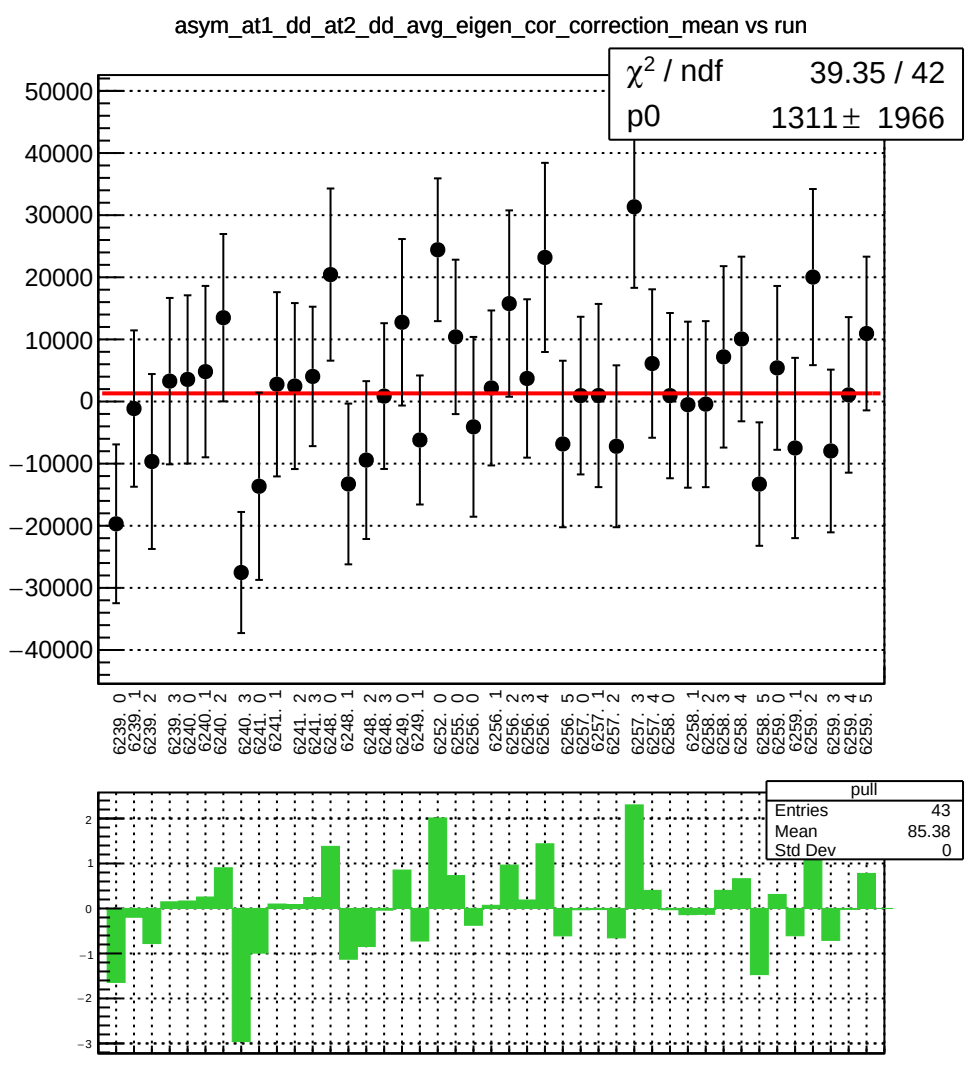
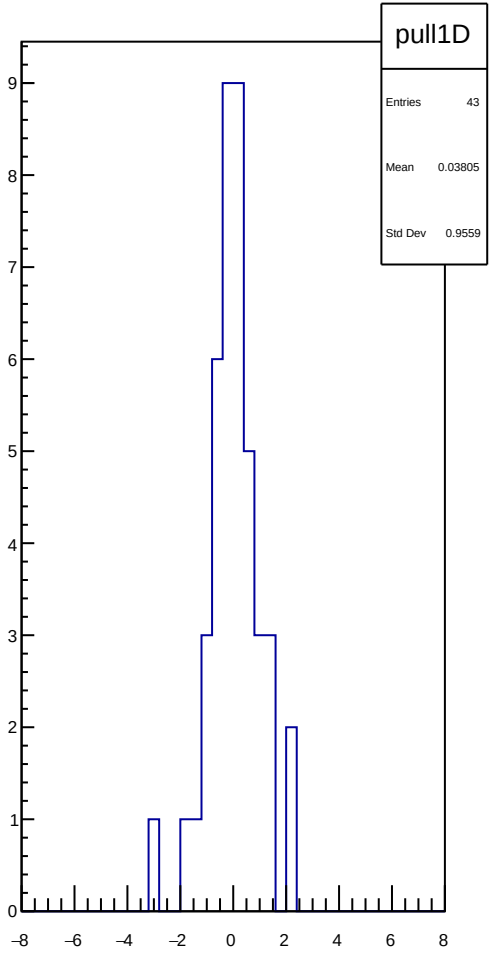
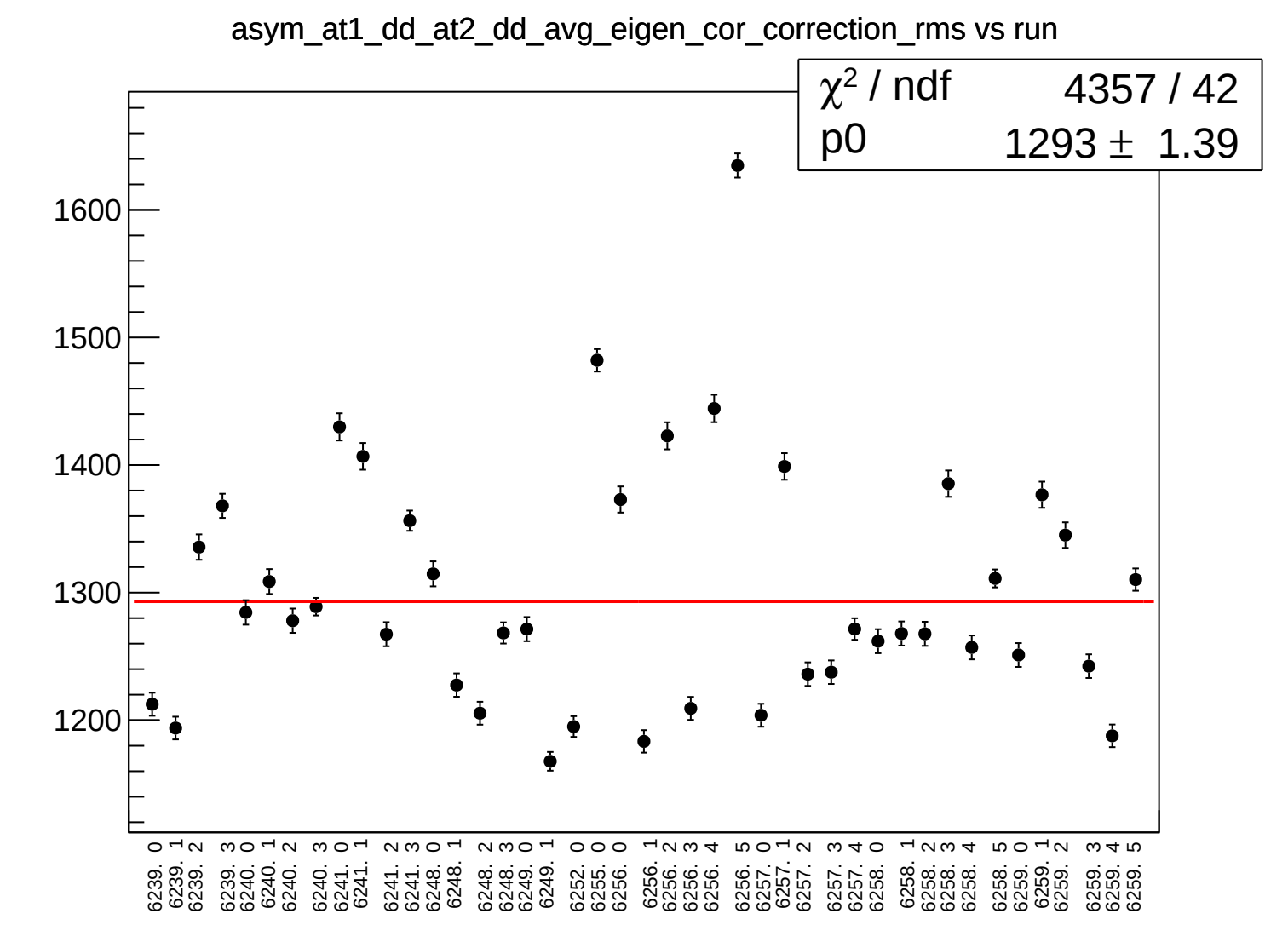
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 39.35 / 42
p0 1311 ± 1966
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.38
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03805
Std Dev 0.9559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4357 / 42
p0 1293 ± 1.39
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
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6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
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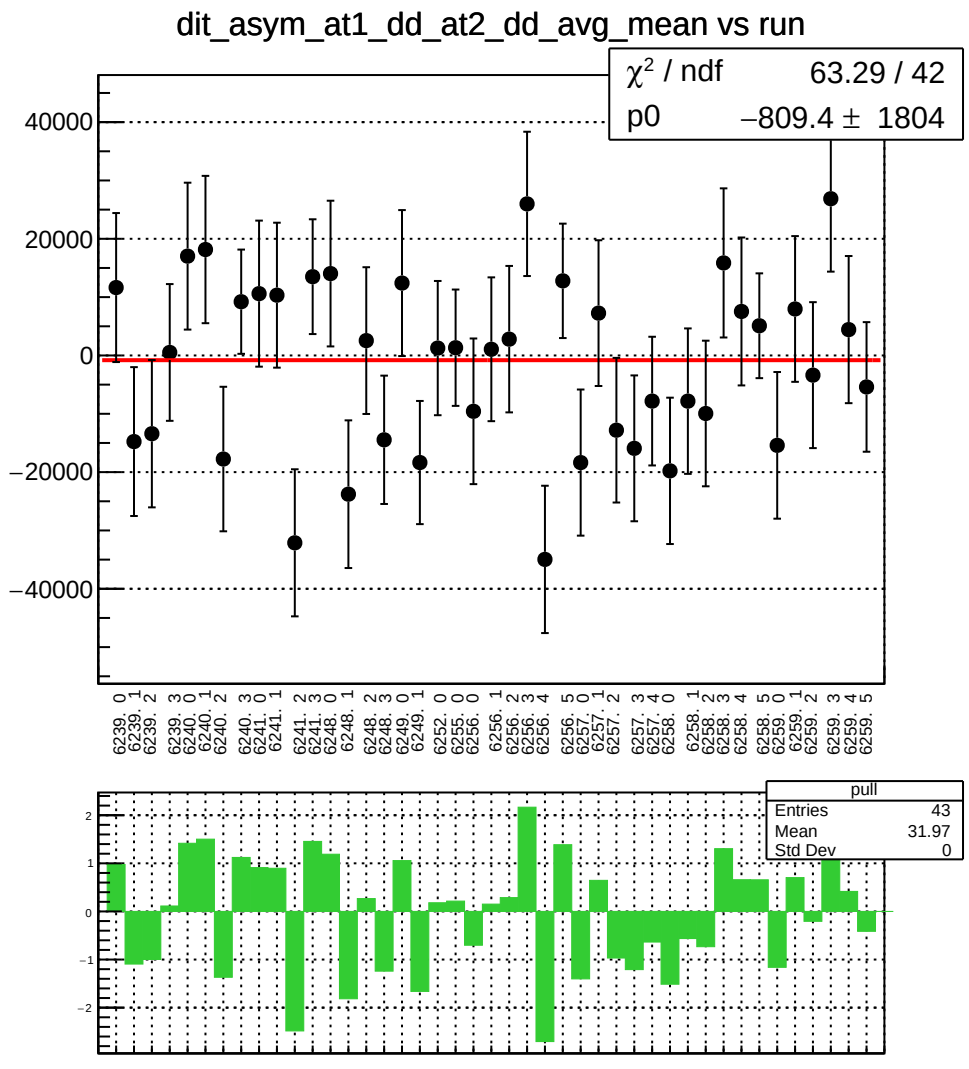
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 63.29 / 42
p0 −809.4 ± 1804
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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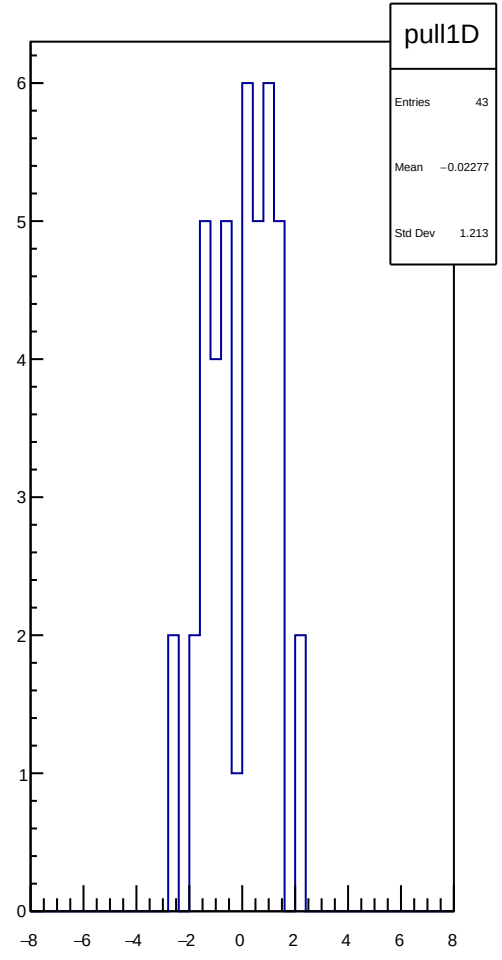
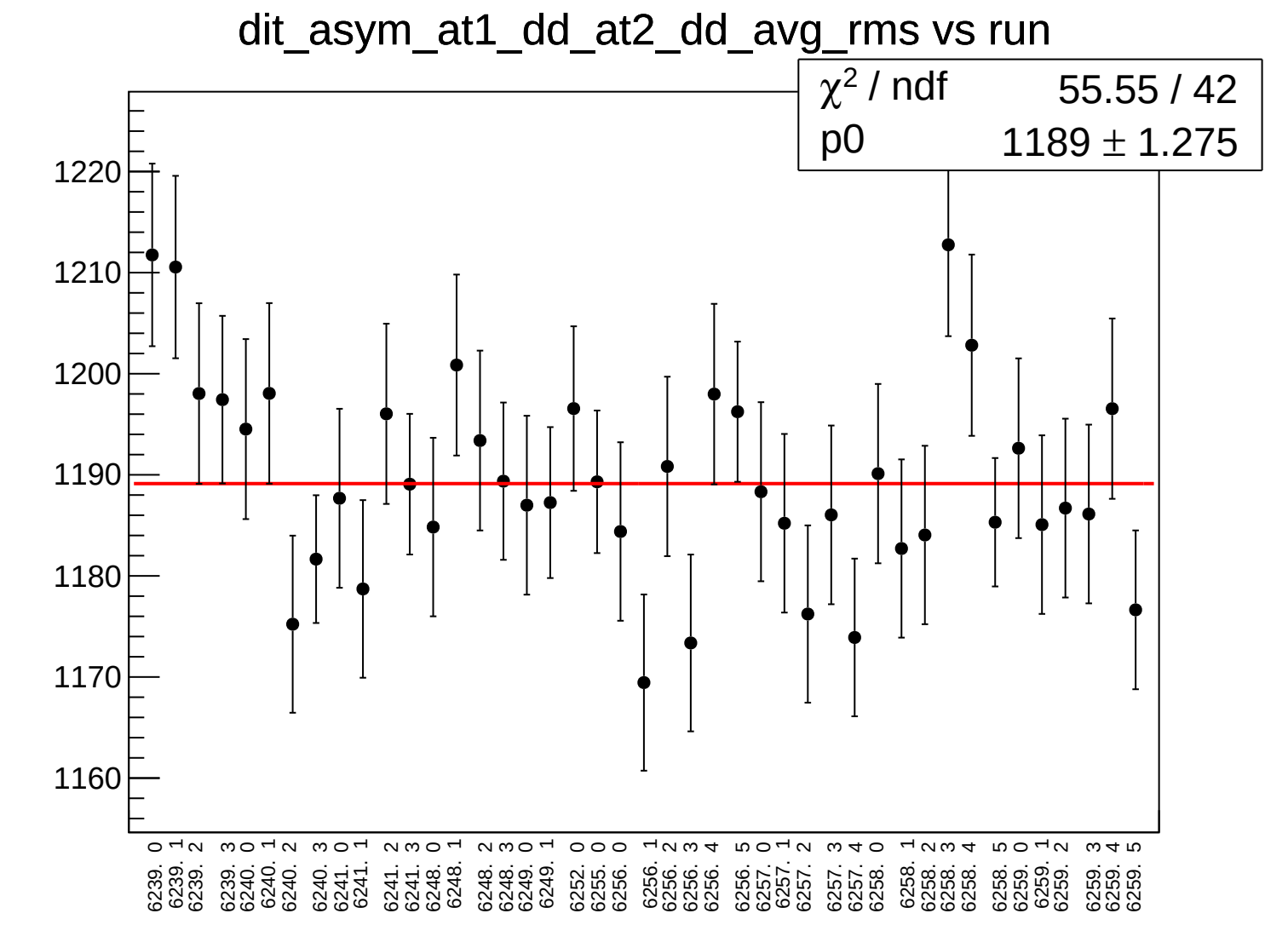
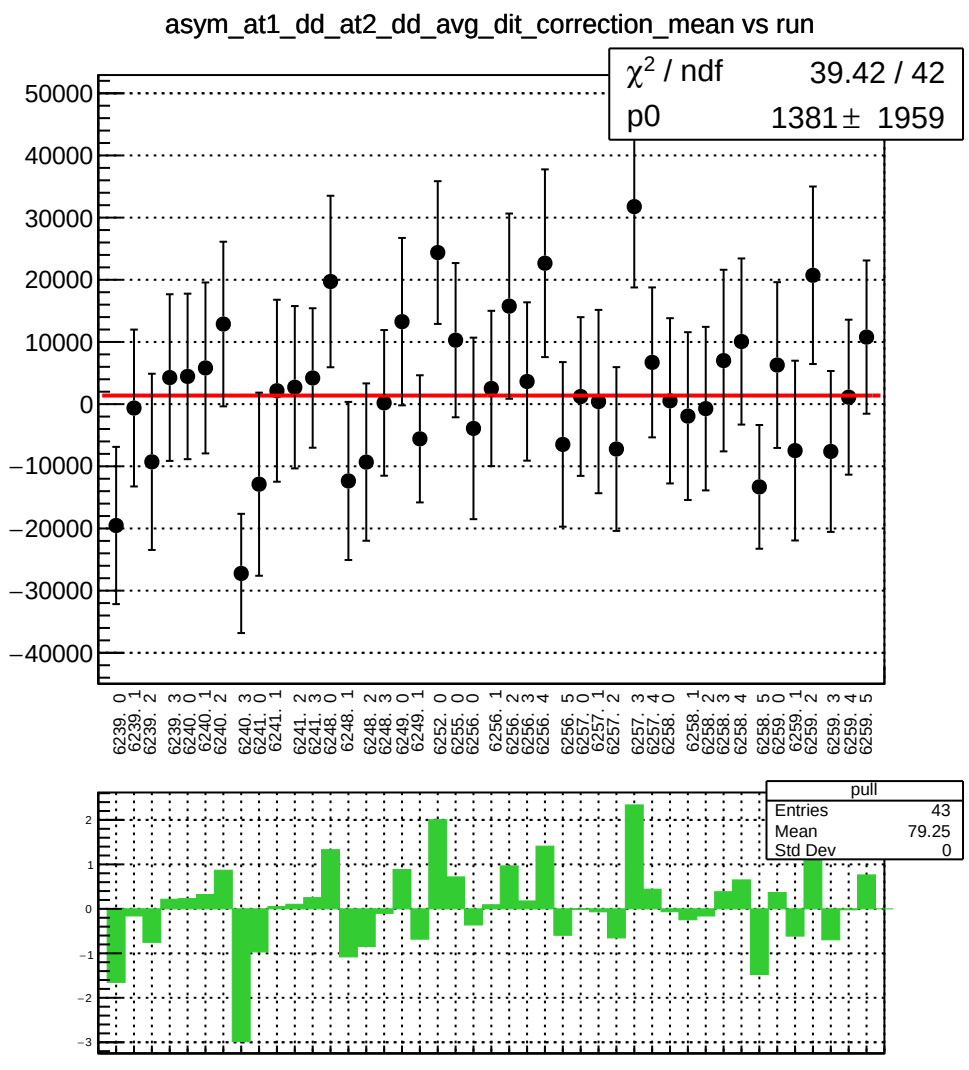
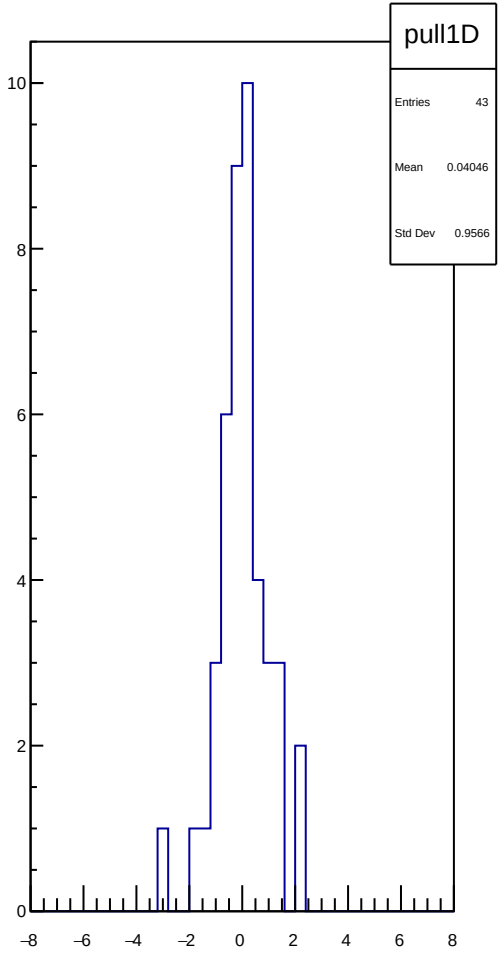
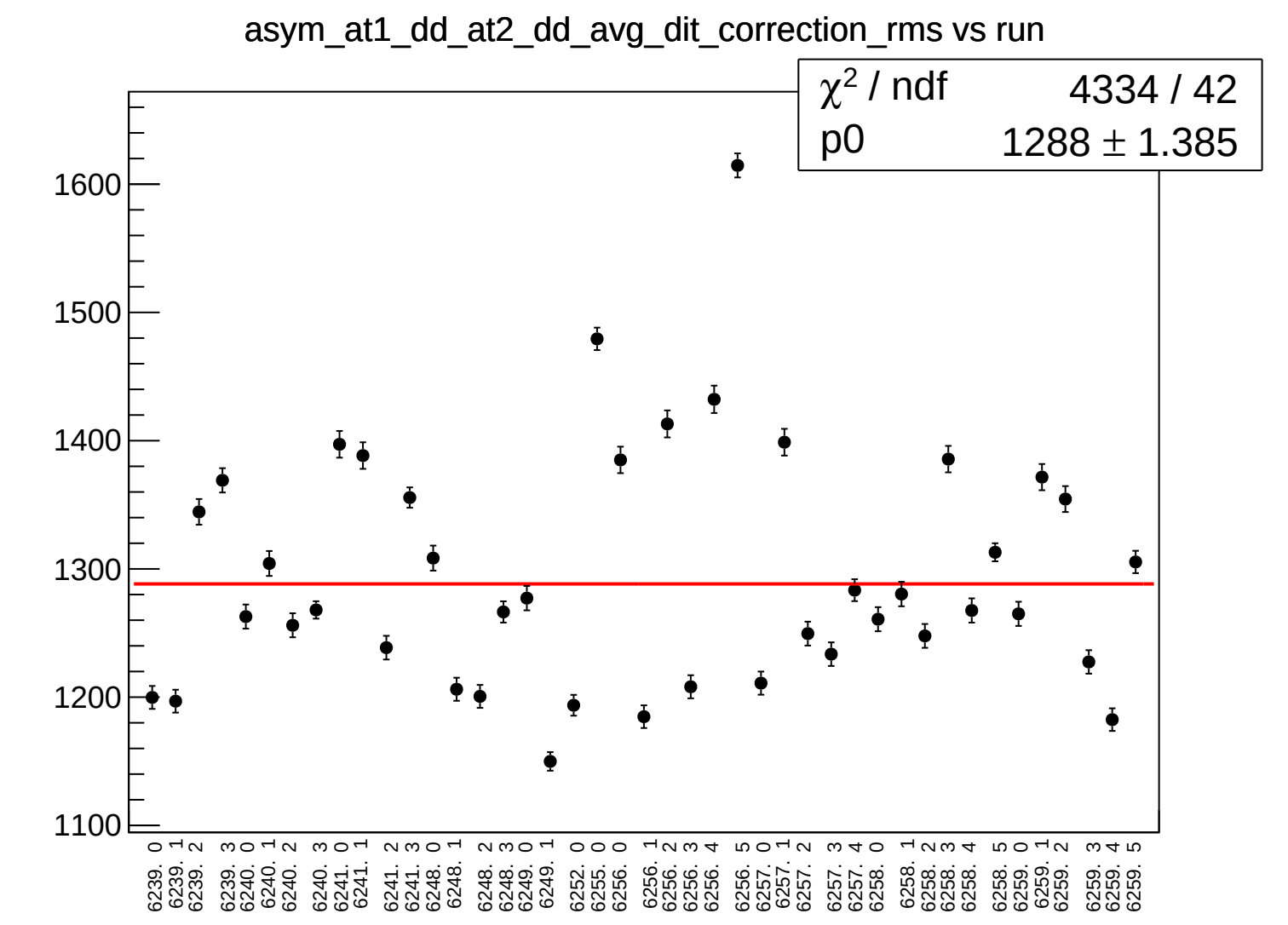
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.97
Std Dev 0
2
1
0
−1
−2

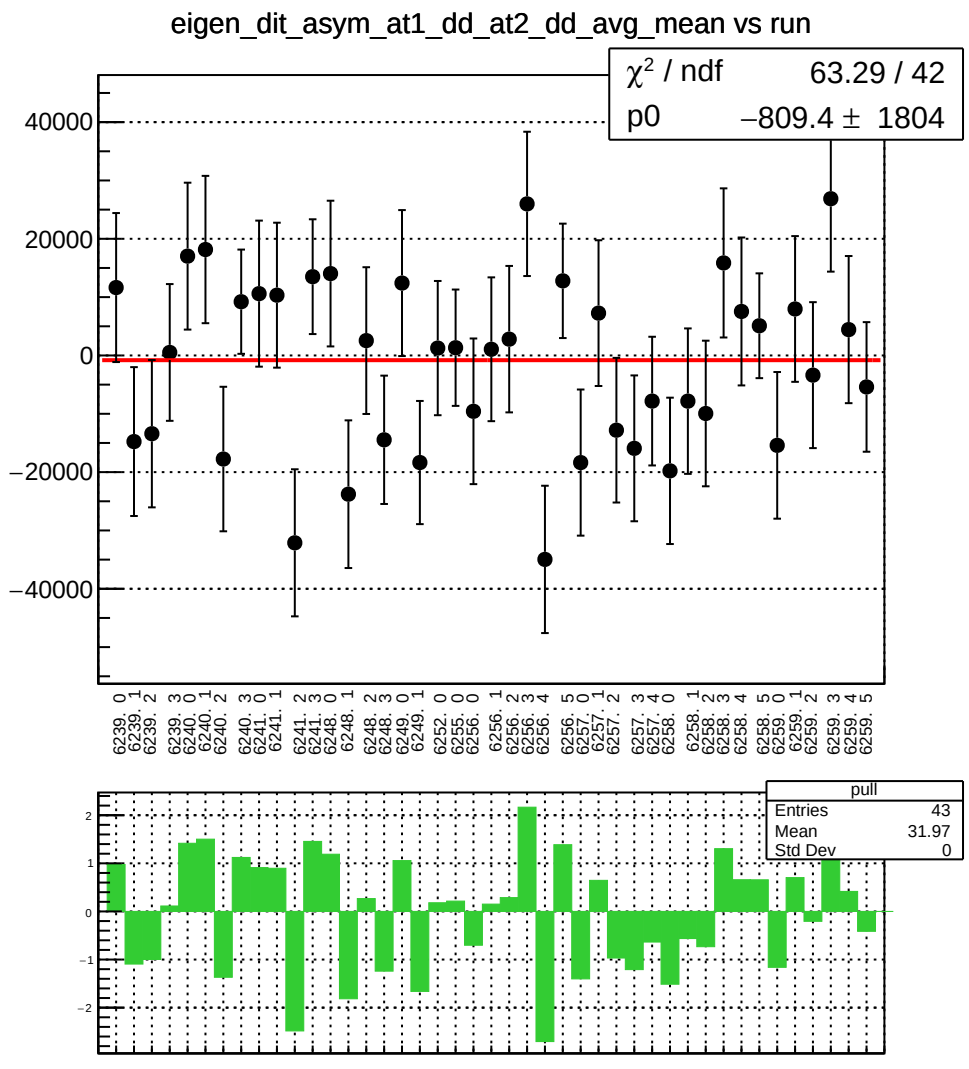

pull1D
Entries 43
Mean −0.02277
Std Dev 1.213
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

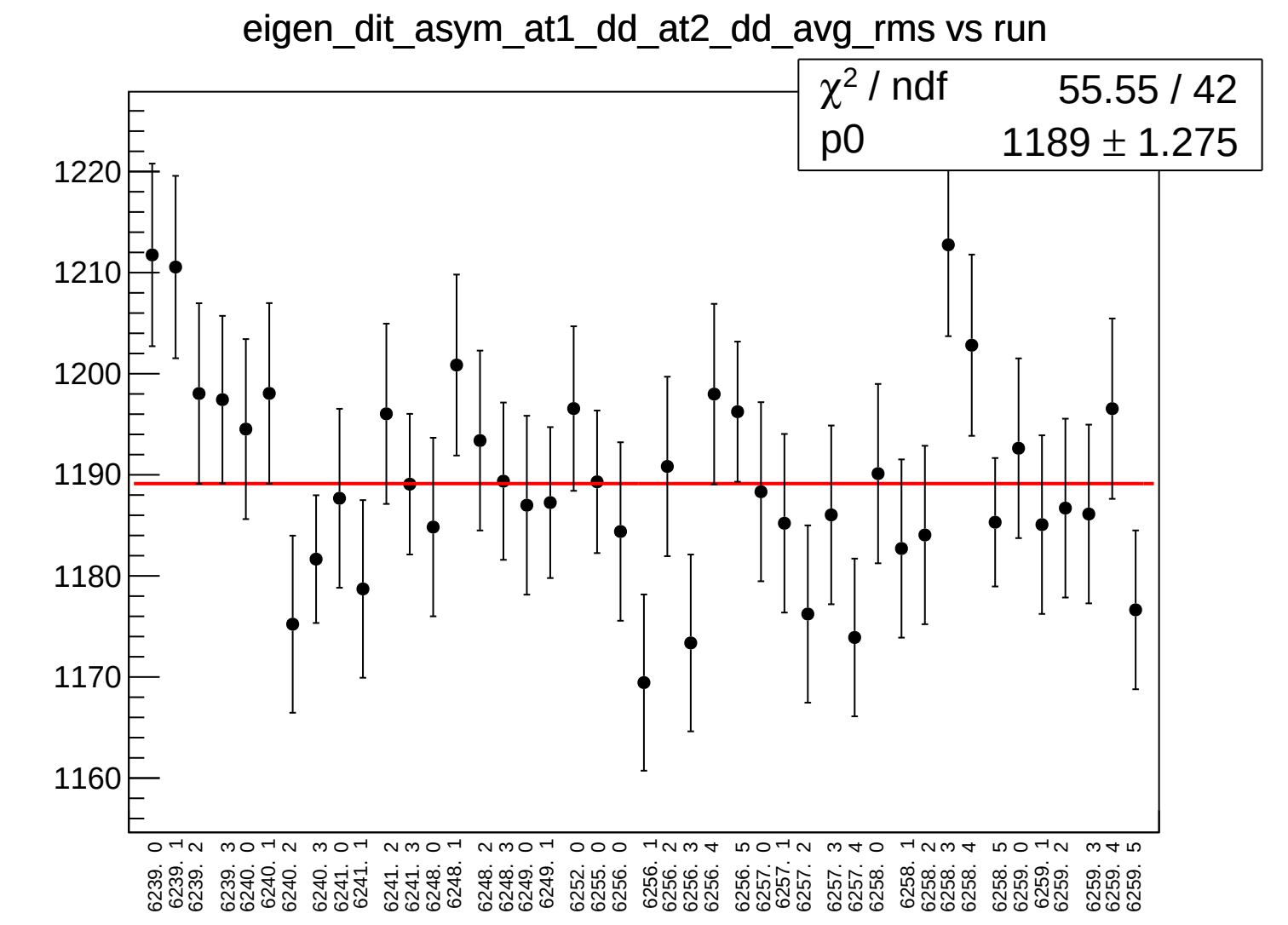

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 55.55 / 42
p0 1189 ± 1.275
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

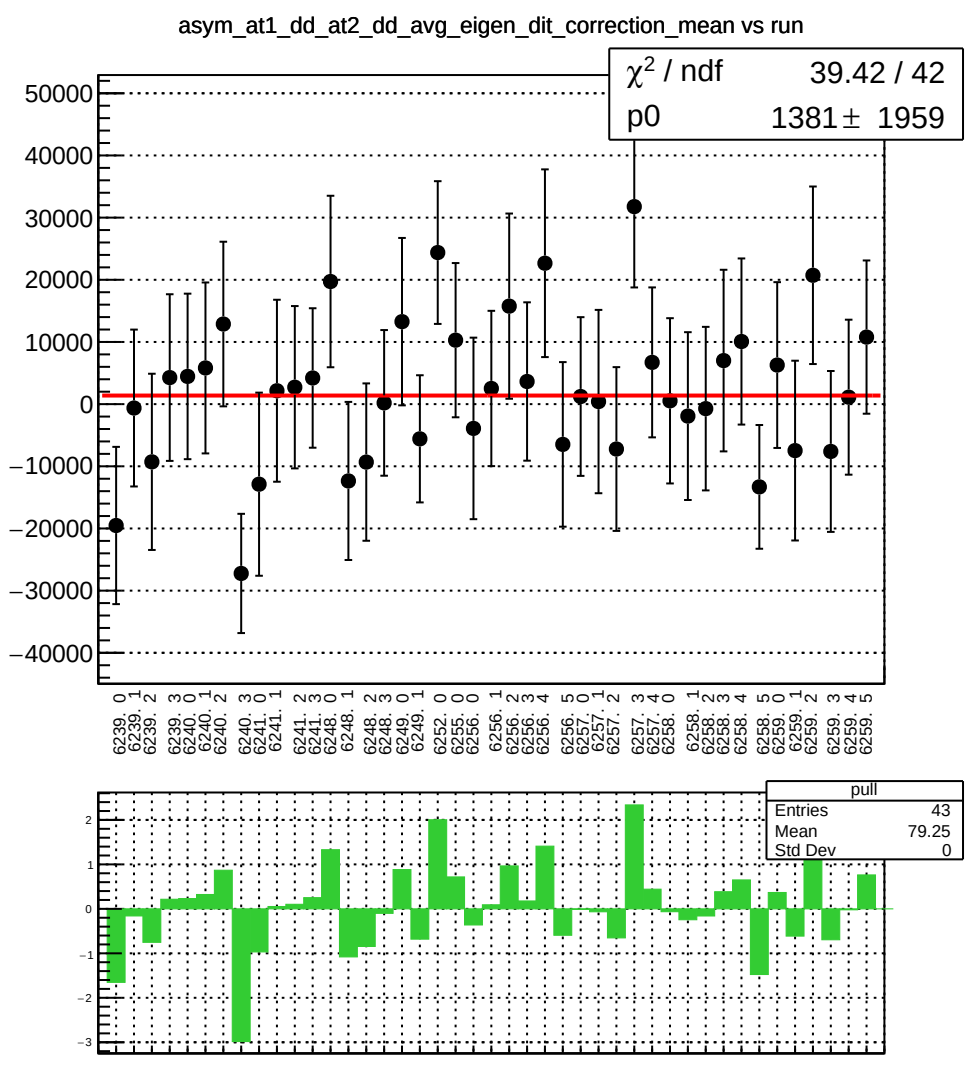

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 39.42 / 42
p0 1381 ± 1959
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.25
Std Dev 0
2
1
0
−1
−2
−3

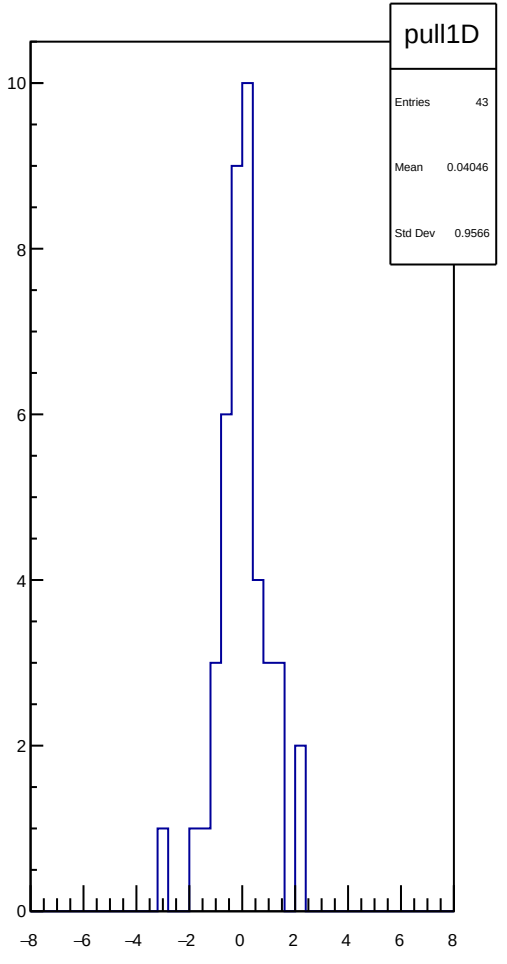

pull1D
Entries 43
Mean 0.04046
Std Dev 0.9566
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

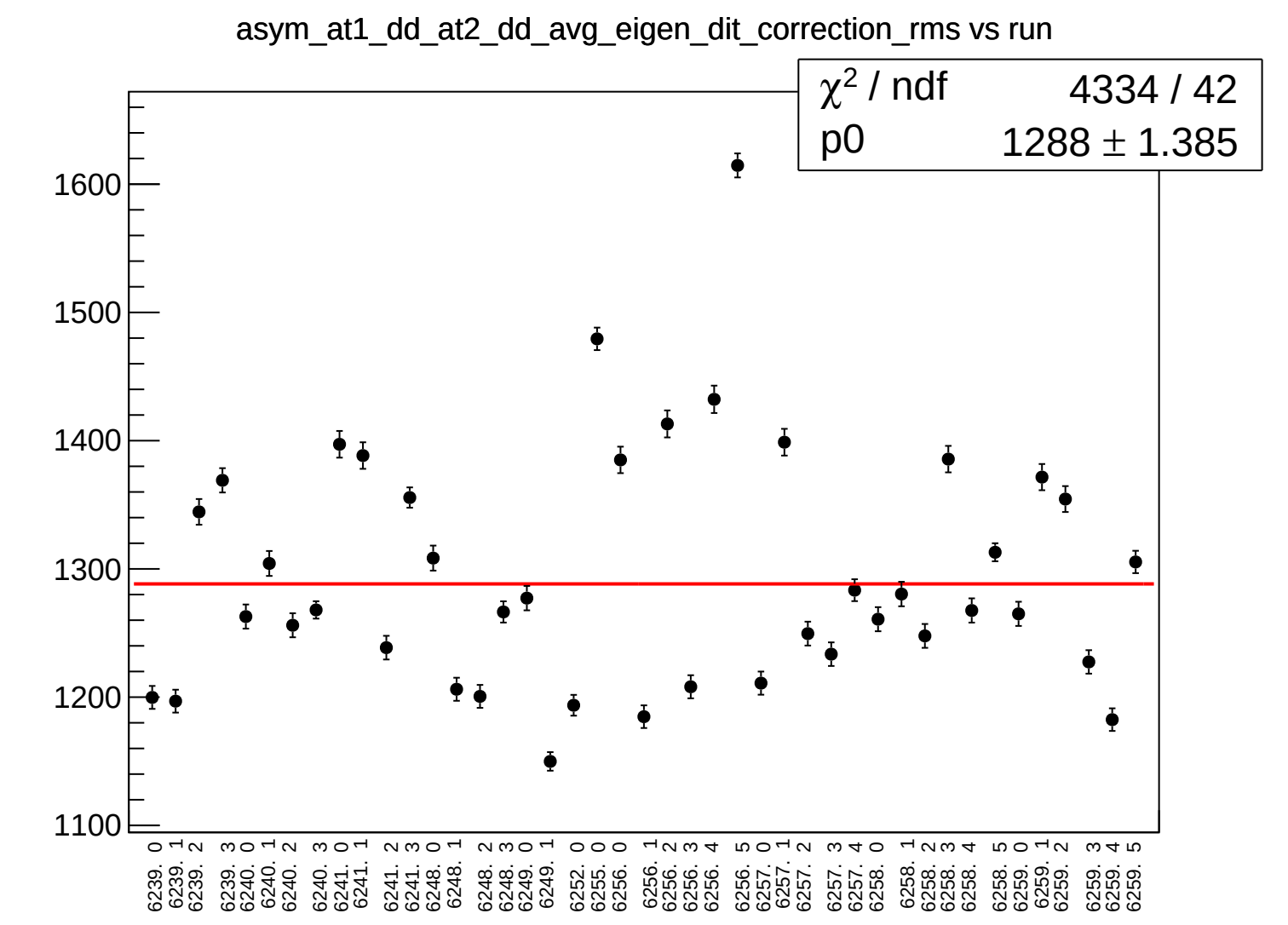

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 4334 / 42
p0 1288 ± 1.385
1600
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

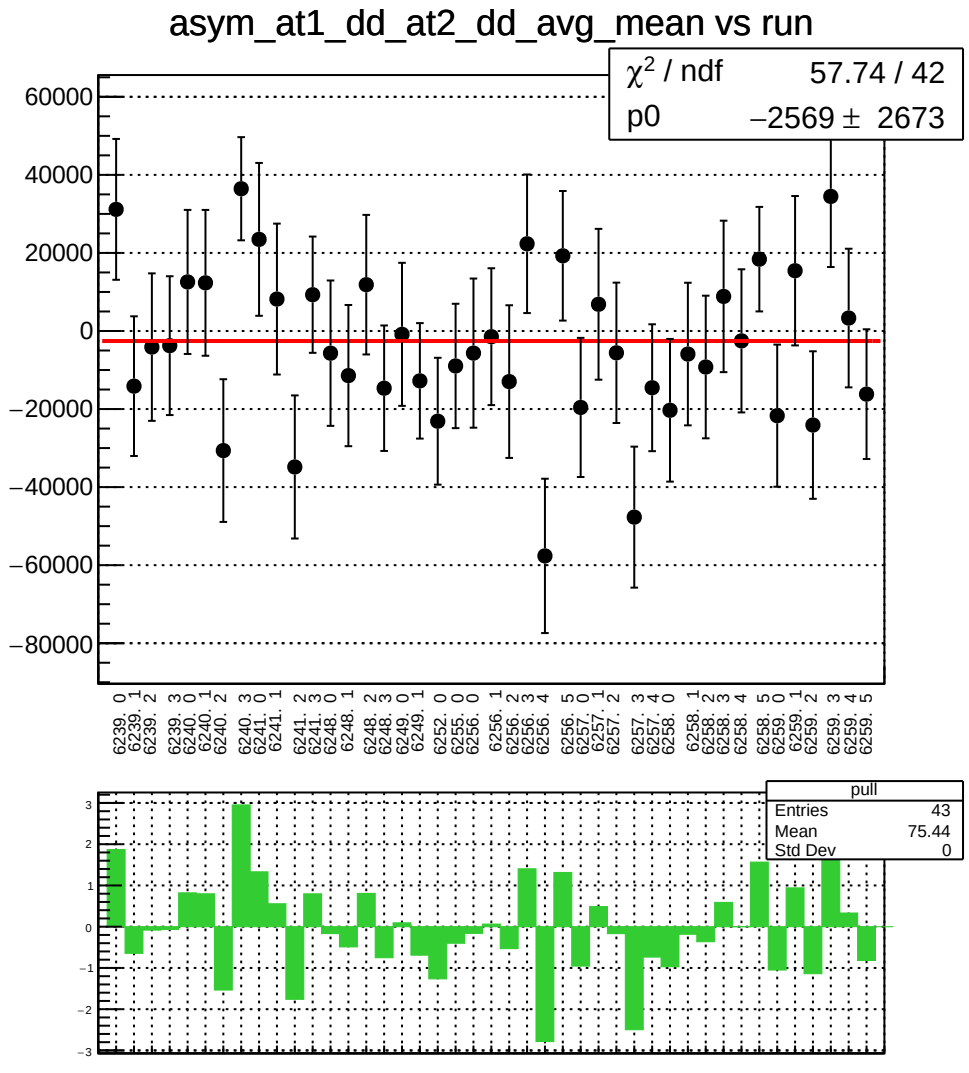

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 63.29 / 42
p0 −809.4 ± 1804
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.97
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02277
Std Dev 1.213
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

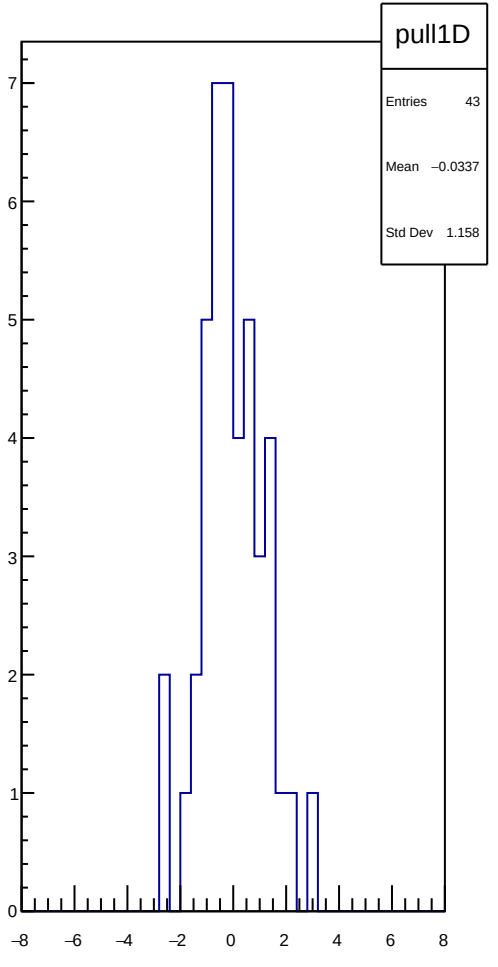

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 55.55 / 42
p0 1189 ± 1.275
1220
1210
1200
1190
1180
1170
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

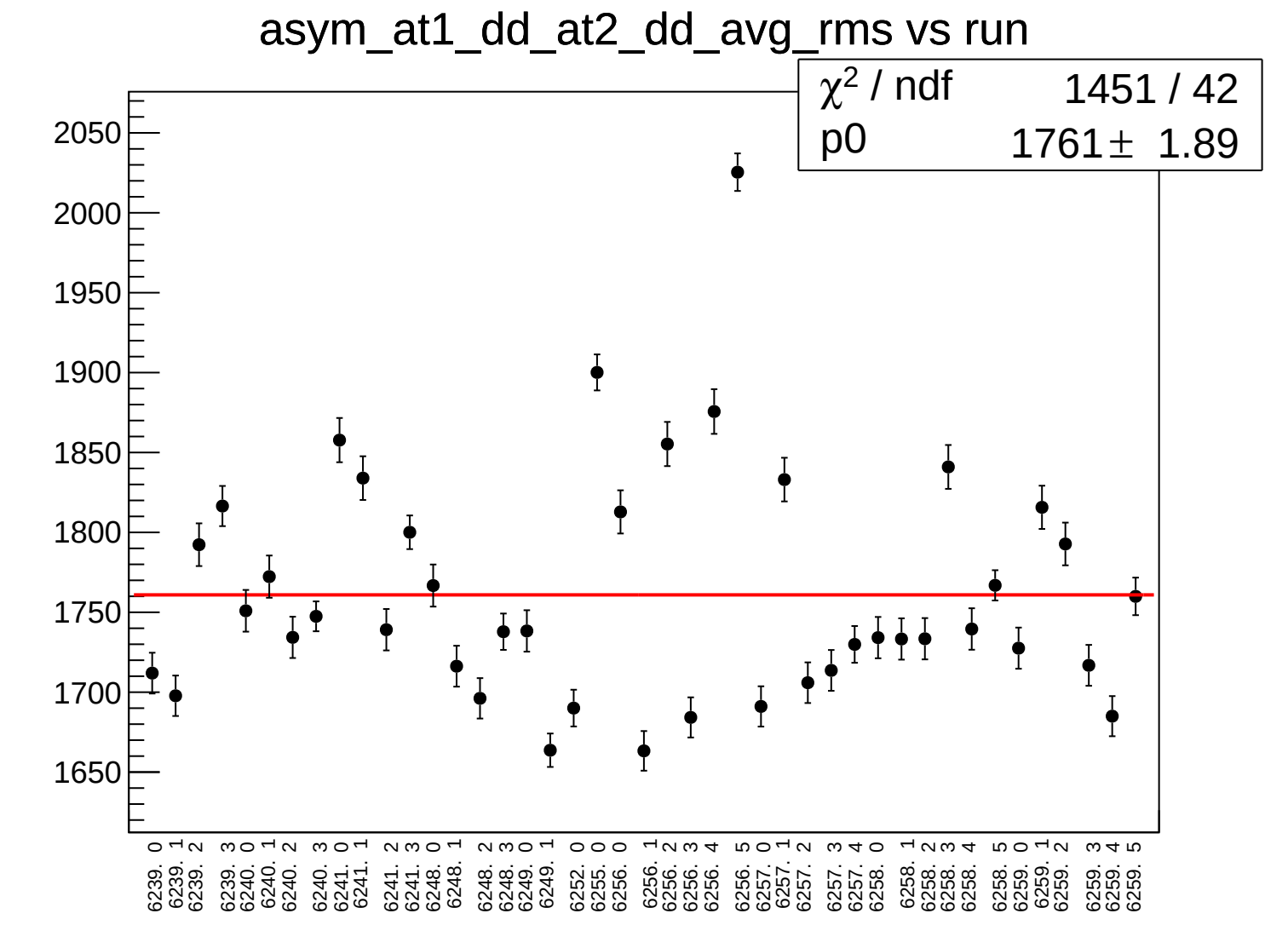

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 39.42 / 42
p0 1381 ± 1959
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.25
Std Dev 0
2
1
0
−1
−2
−3

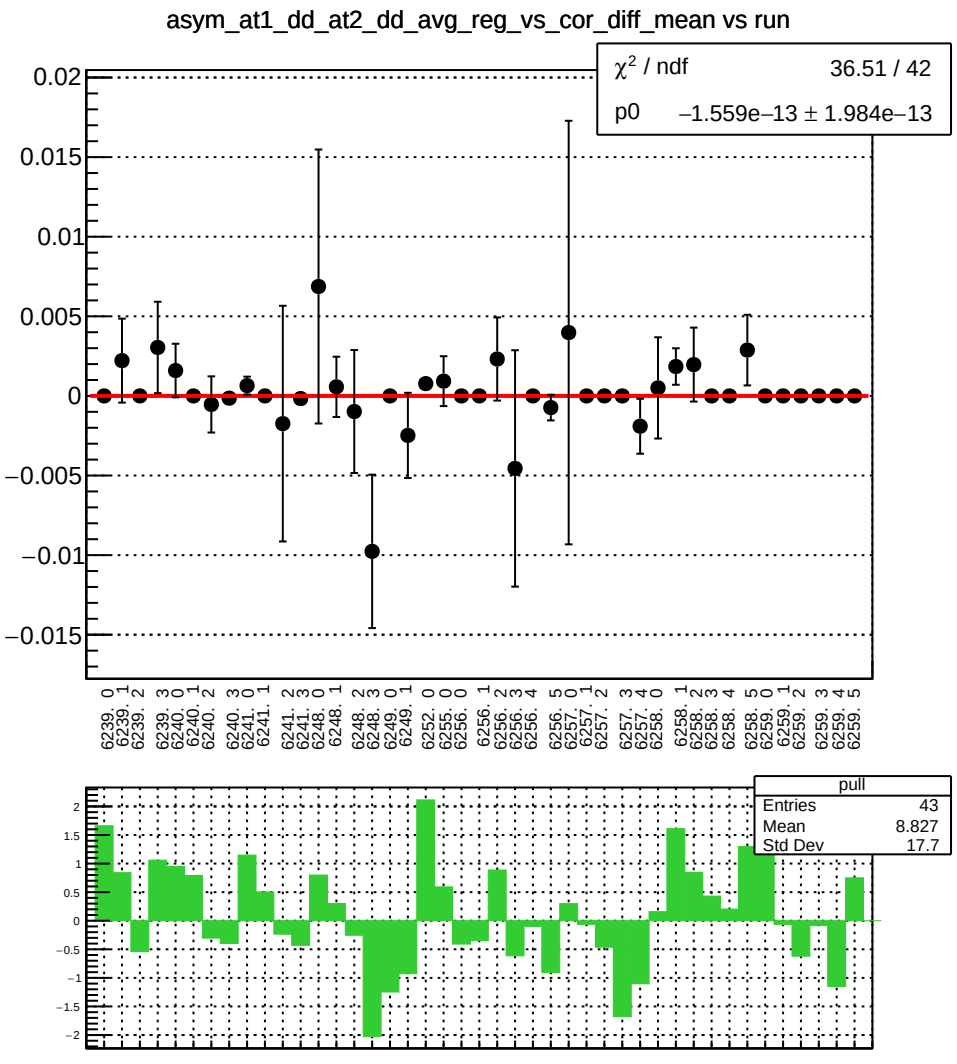

pull1D
Entries 43
Mean 0.04046
Std Dev 0.9566
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

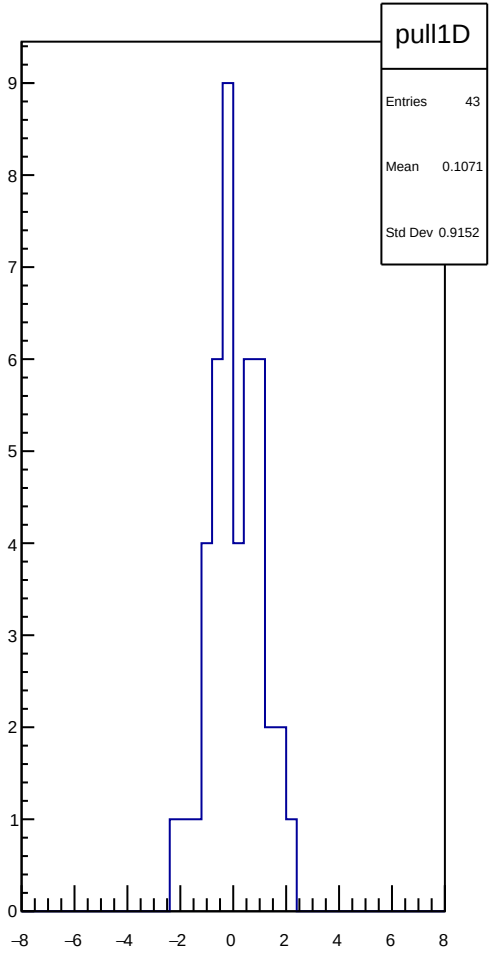

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4334 / 42
p0 1288 ± 1.385
1600
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

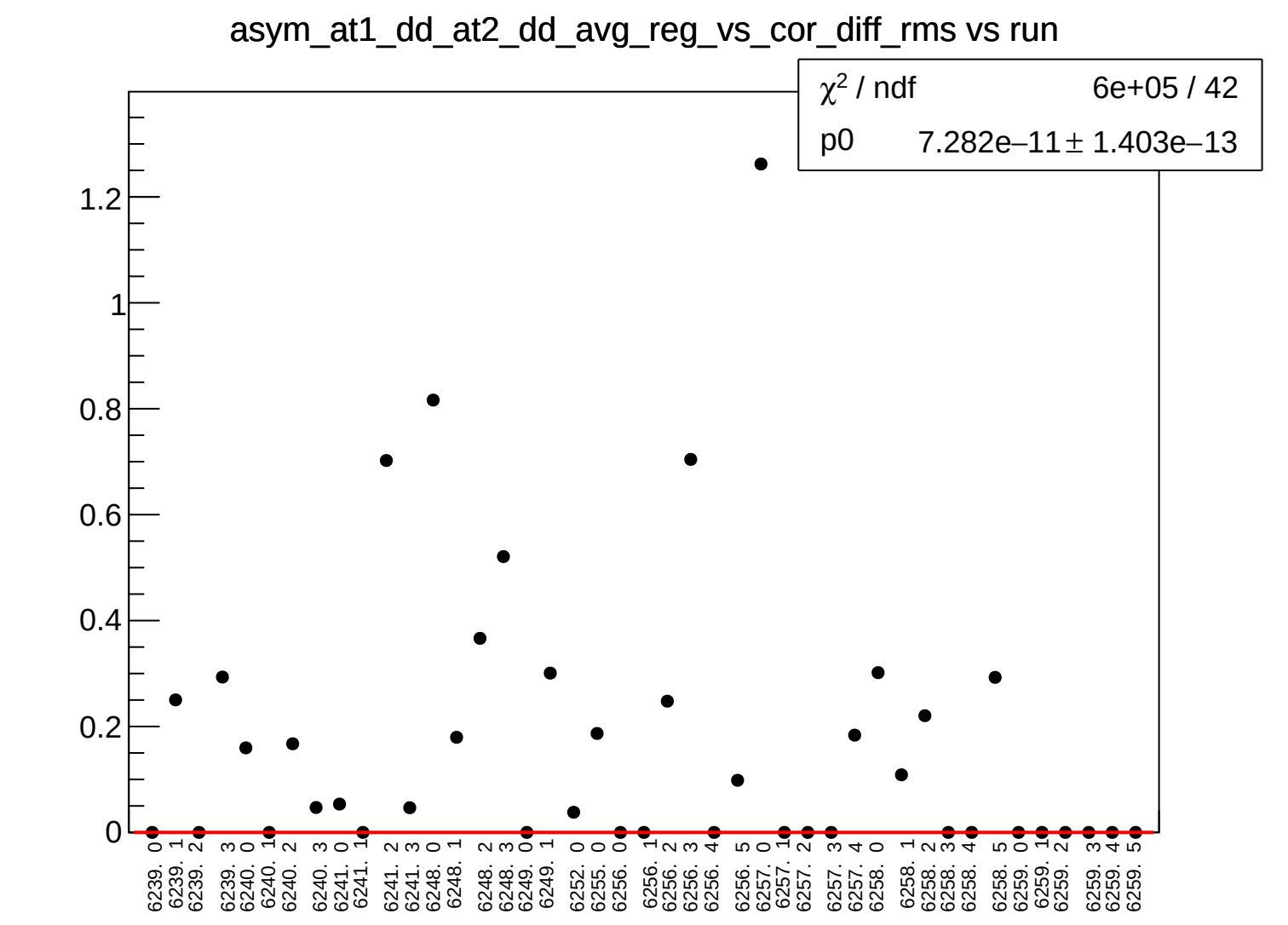

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 57.74 / 42
p0 −2569 ± 2673
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.44
Std Dev 0
3
2
1
0
−1
−2
−3

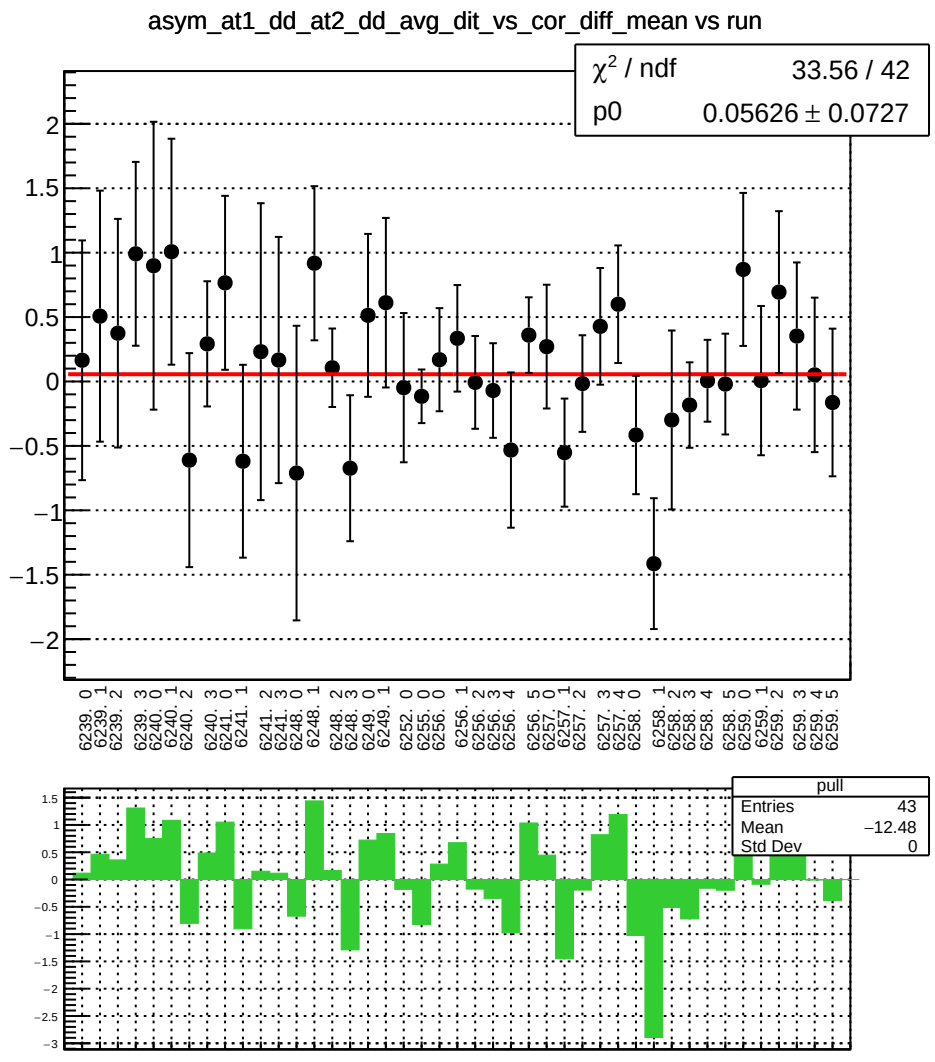

pull1D
Entries 43
Mean −0.0337
Std Dev 1.158
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

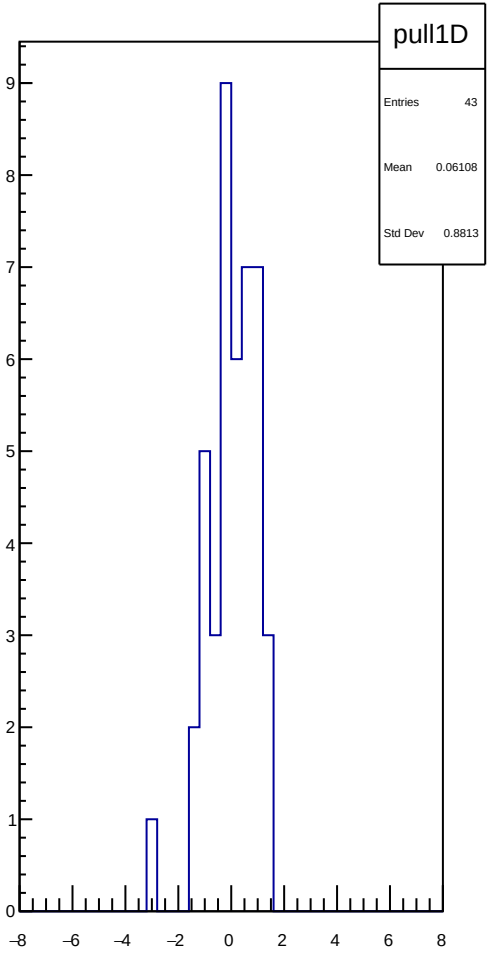

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1451 / 42
p0 1761 ± 1.89
2050
2000
1950
1900
1850
1800
1750
1700
1650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

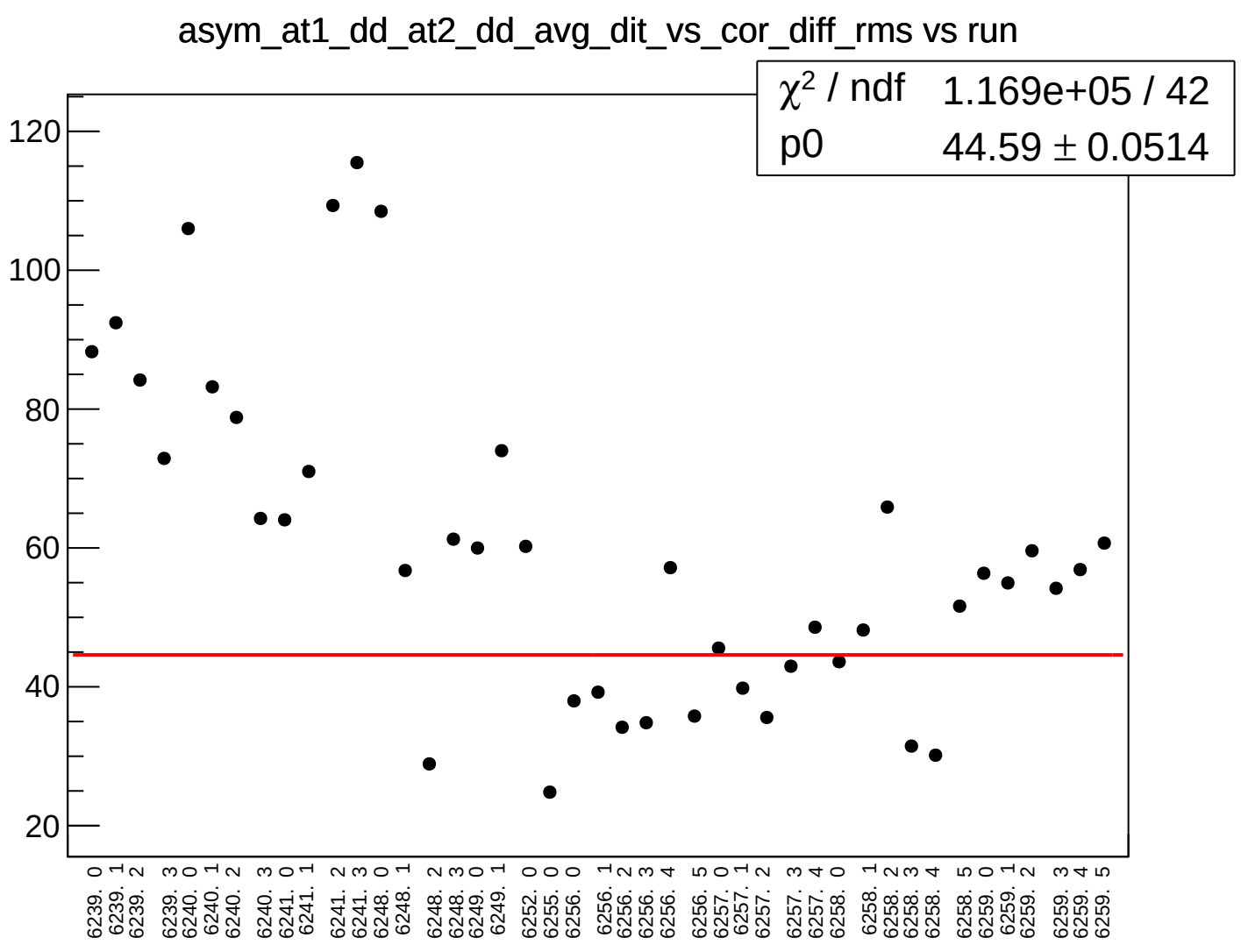

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.51 / 42
p0 −1.559e−13 ± 1.984e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.827
Std Dev 17.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

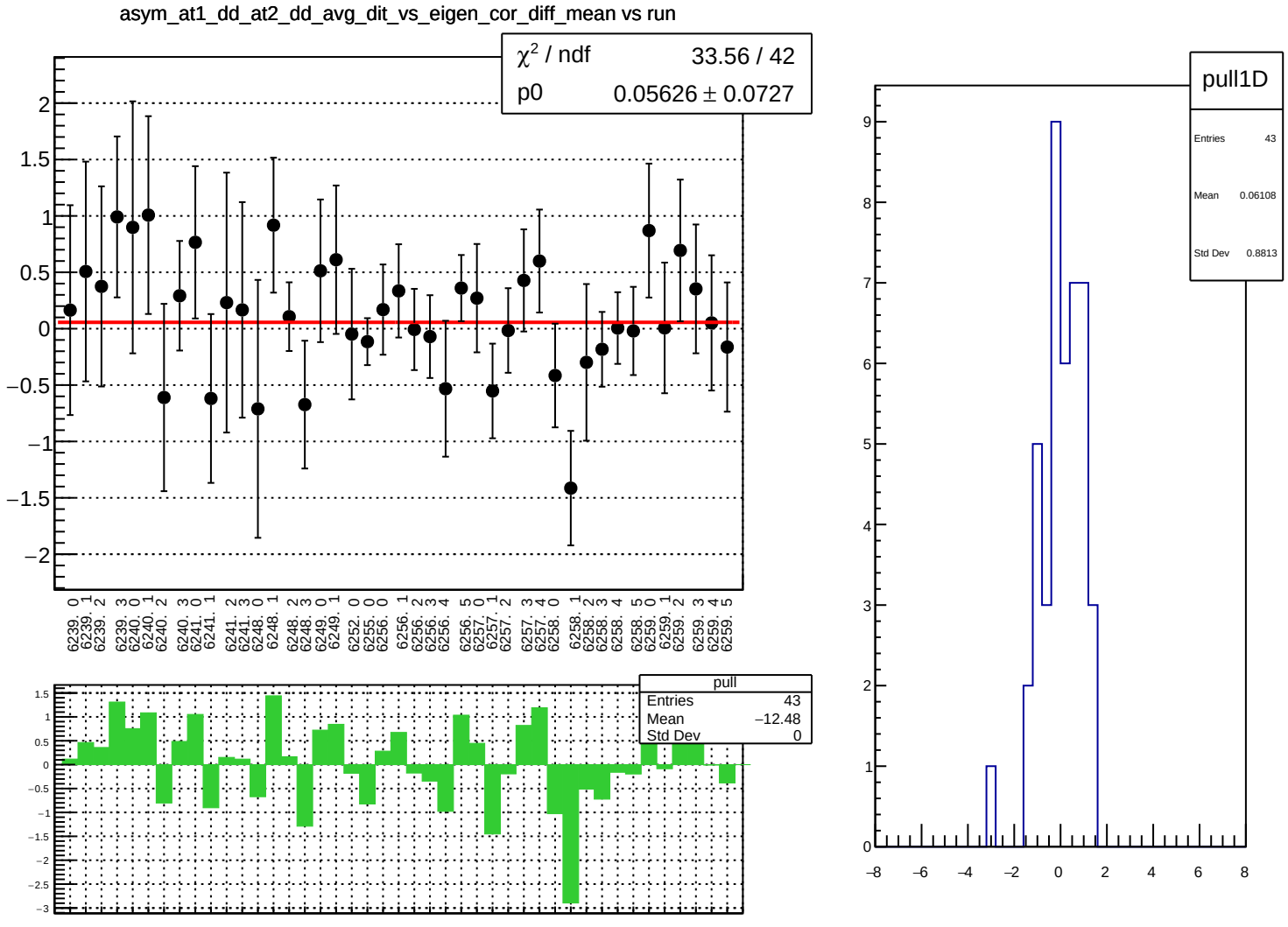

pull1D
Entries 43
Mean 0.1071
Std Dev 0.9152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

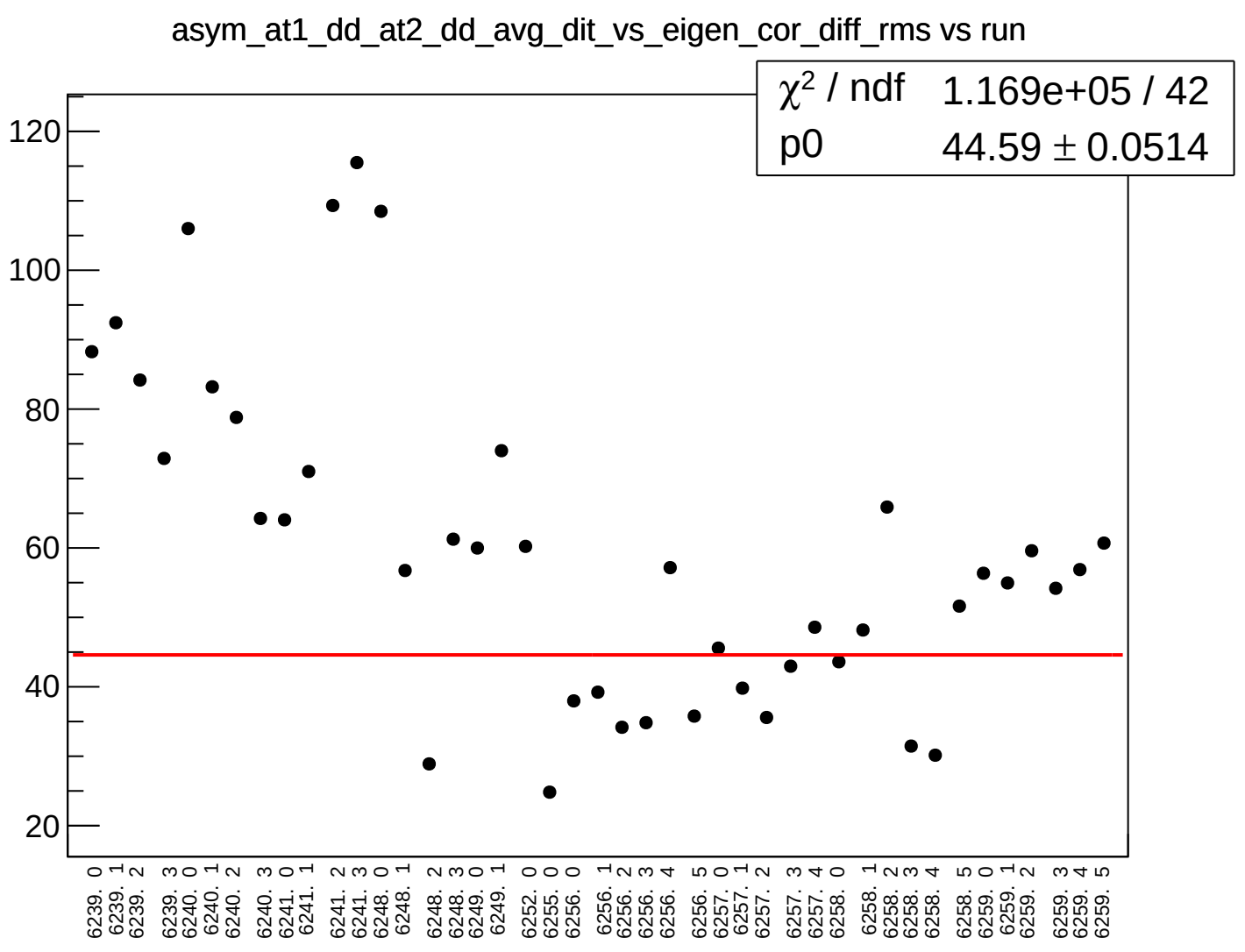

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6e+05 / 42
p0 7.282e−11 ± 1.403e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

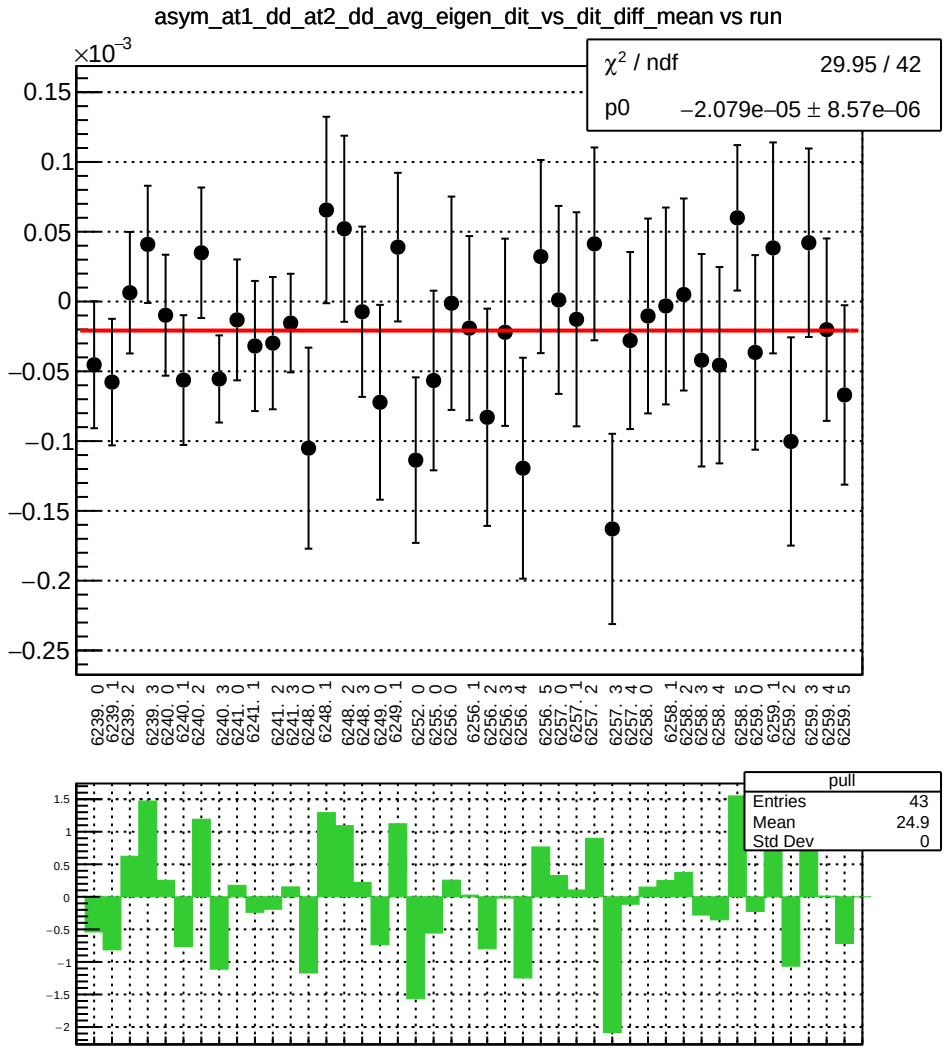

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05626 ± 0.0727
pull
Entries 43
Mean −12.48
Std Dev 0

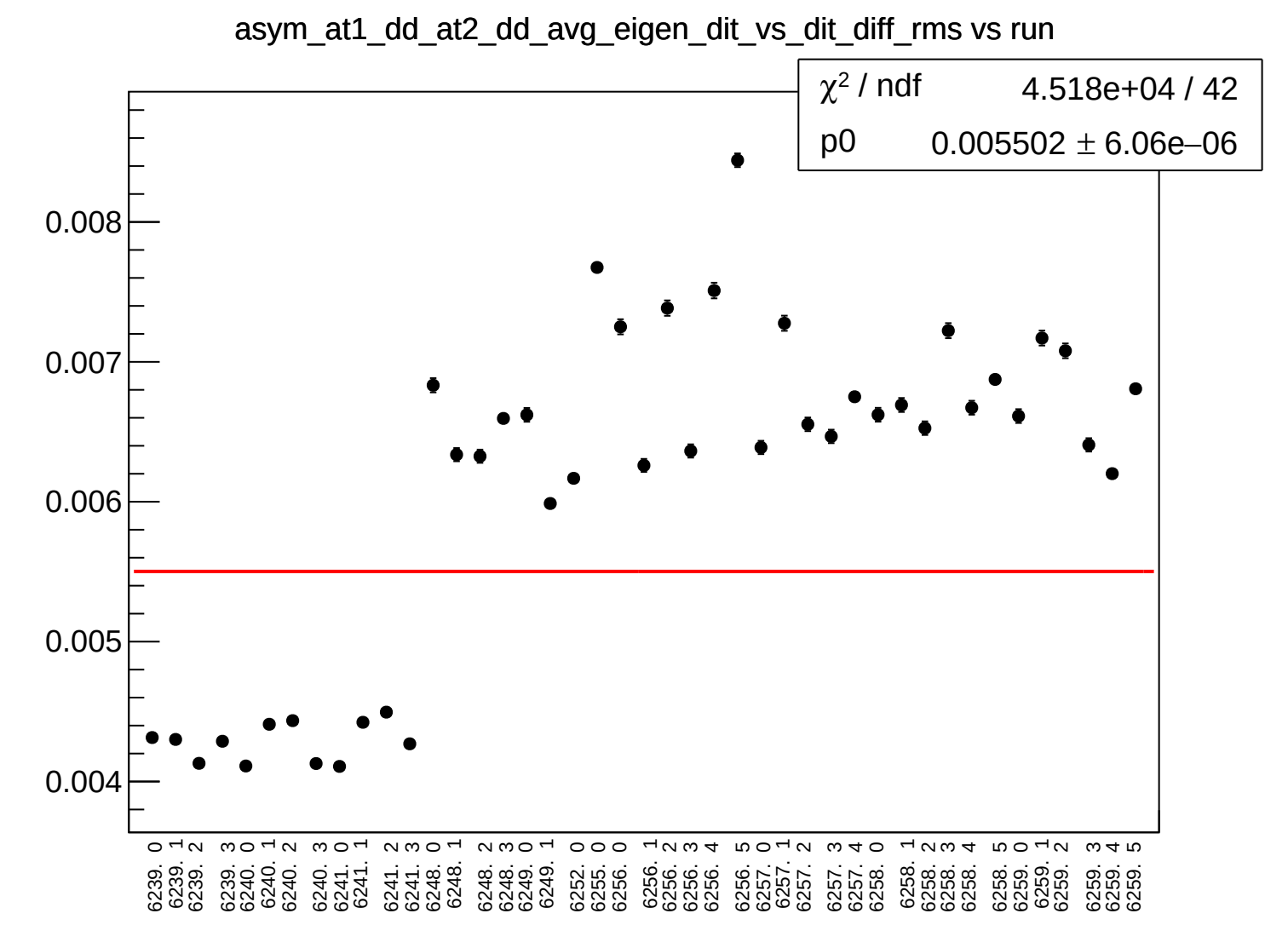

pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

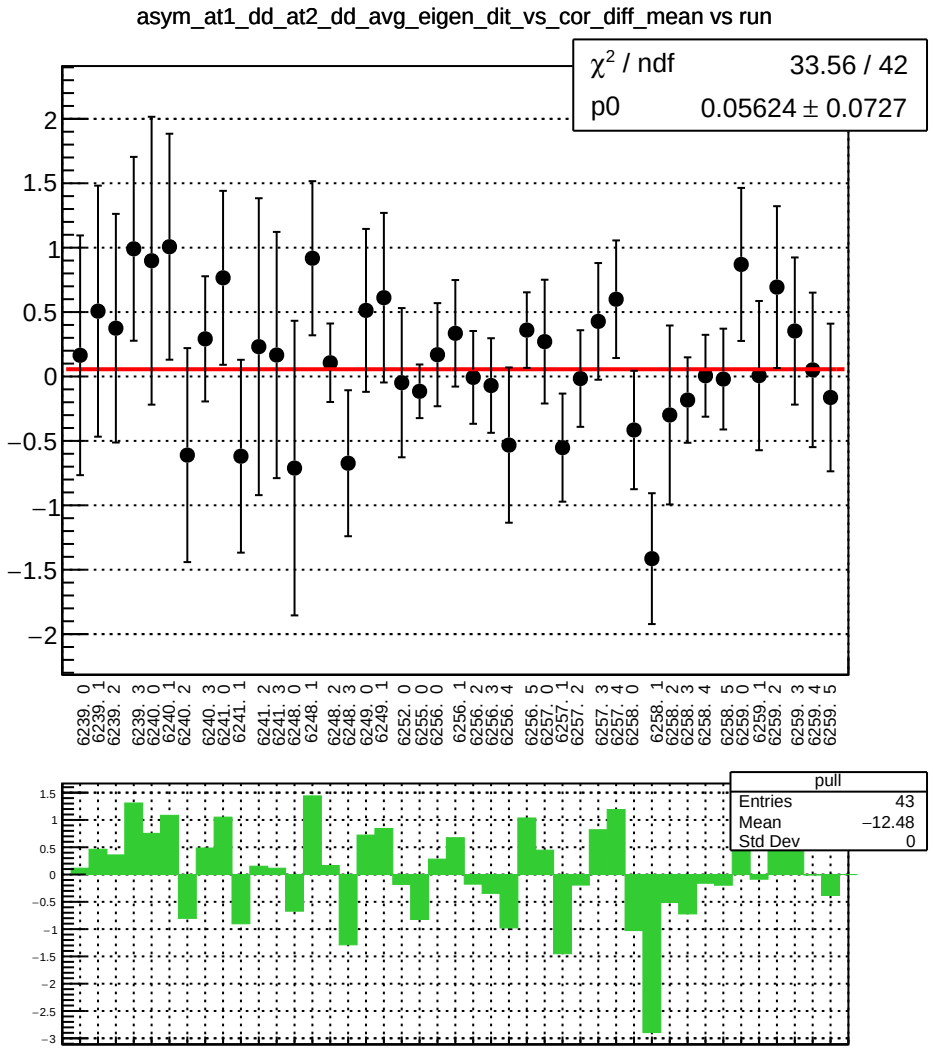

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.0514
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

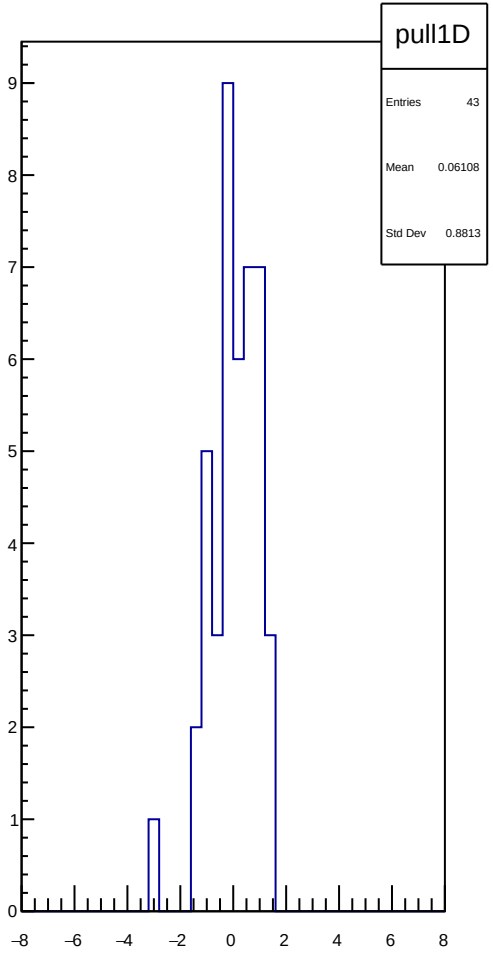

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05626 ± 0.0727
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −12.48
Std Dev 0
pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

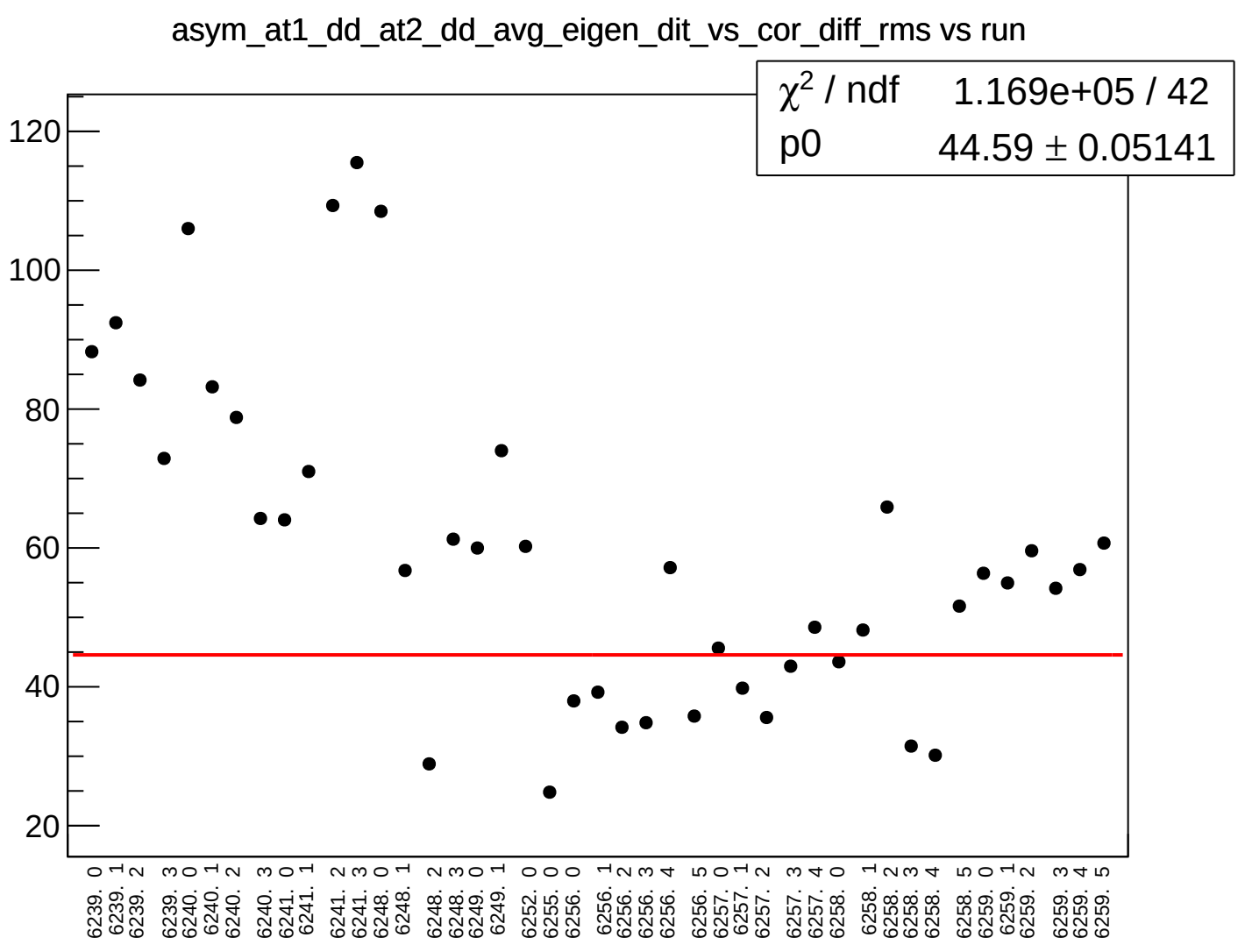

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.0514
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

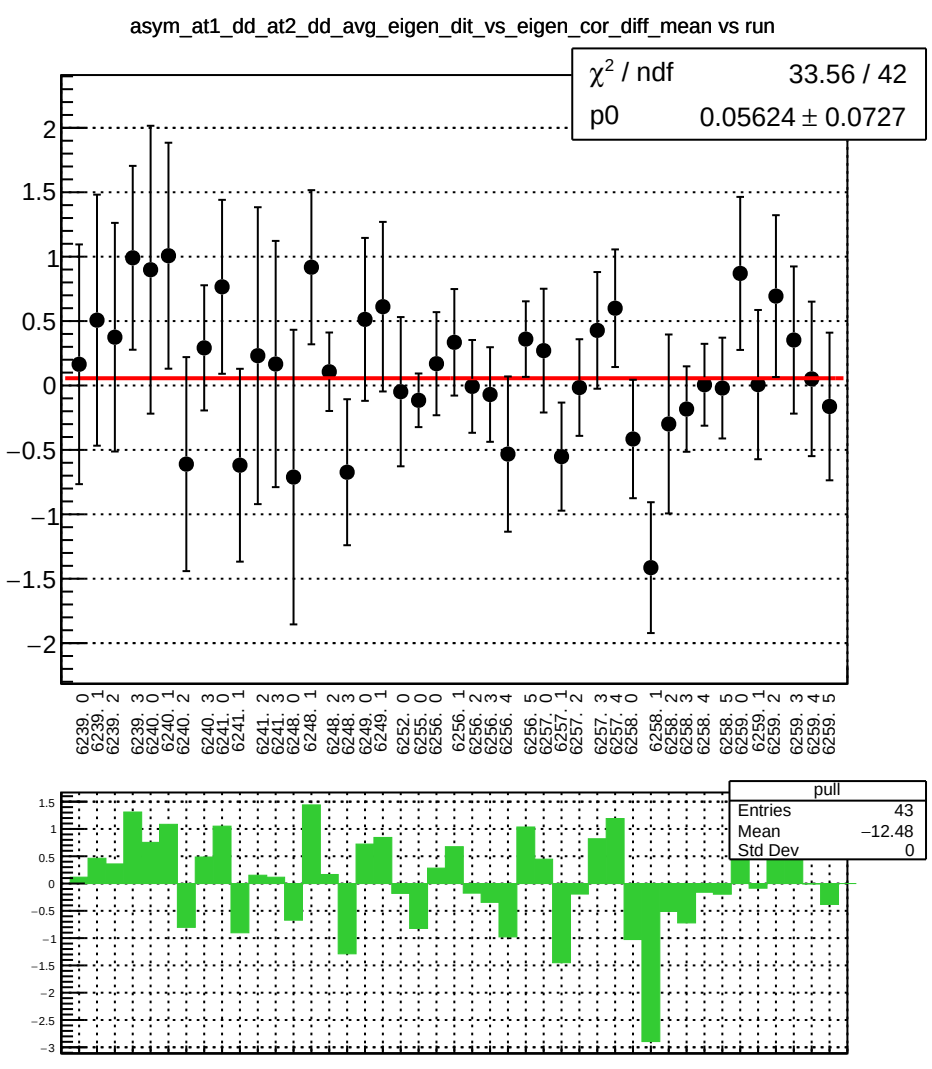

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 29.95 / 42
p0 −2.079e−05 ± 8.57e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 24.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01303
Std Dev 0.8344
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

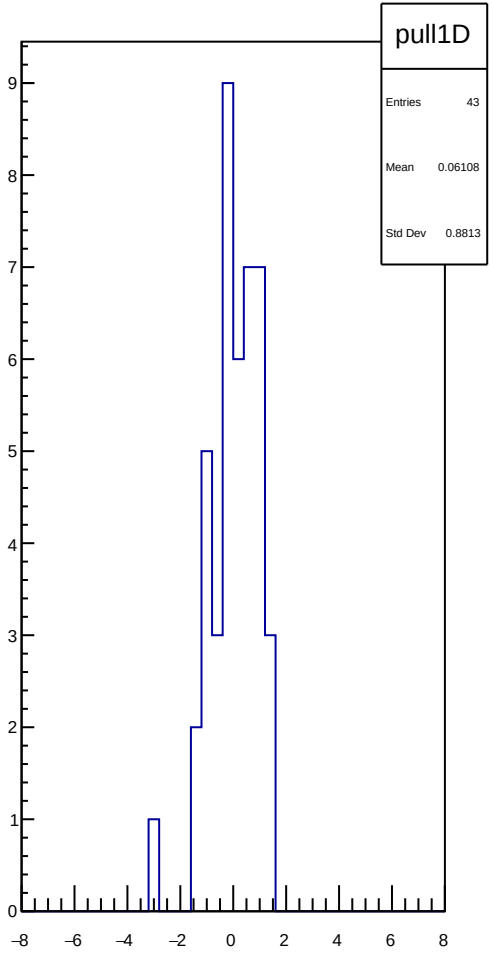

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.518e+04 / 42
p0 0.005502 ± 6.06e−06
0.008
0.007
0.006
0.005
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

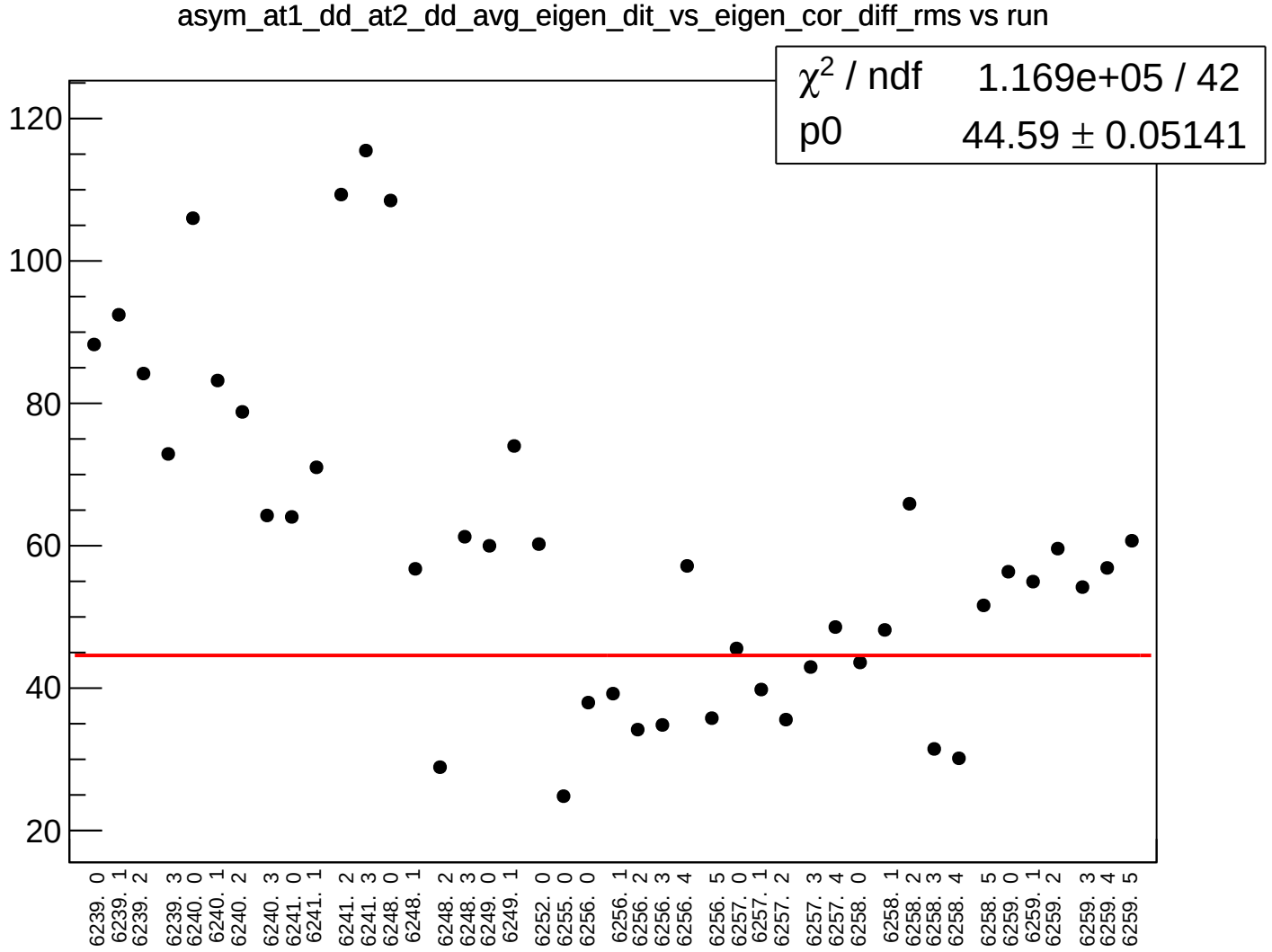

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05624 ± 0.0727
pull
Entries 43
Mean −12.48
Std Dev 0


pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

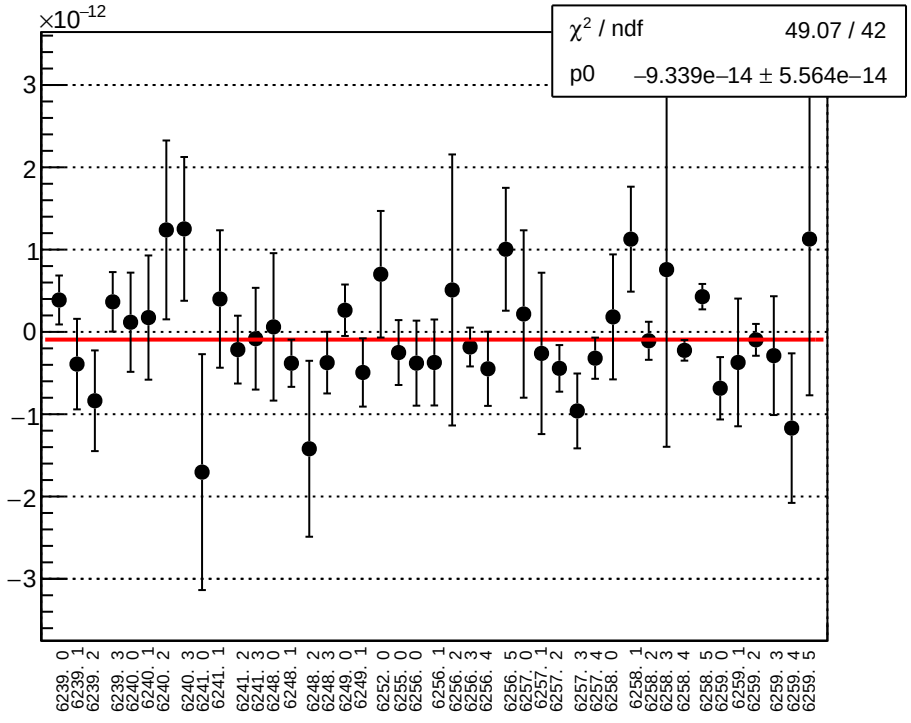

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.05141
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

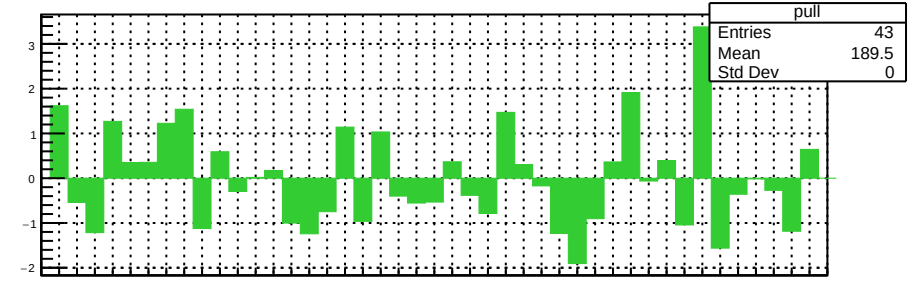

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.56 / 42
p0 0.05624 ± 0.0727
pull
Entries 43
Mean −12.48
Std Dev 0

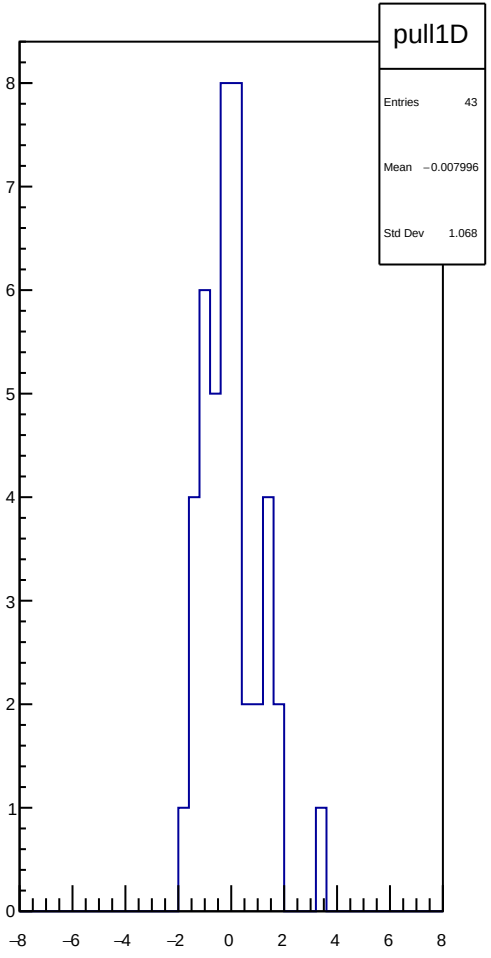

pull1D
Entries 43
Mean 0.06108
Std Dev 0.8813

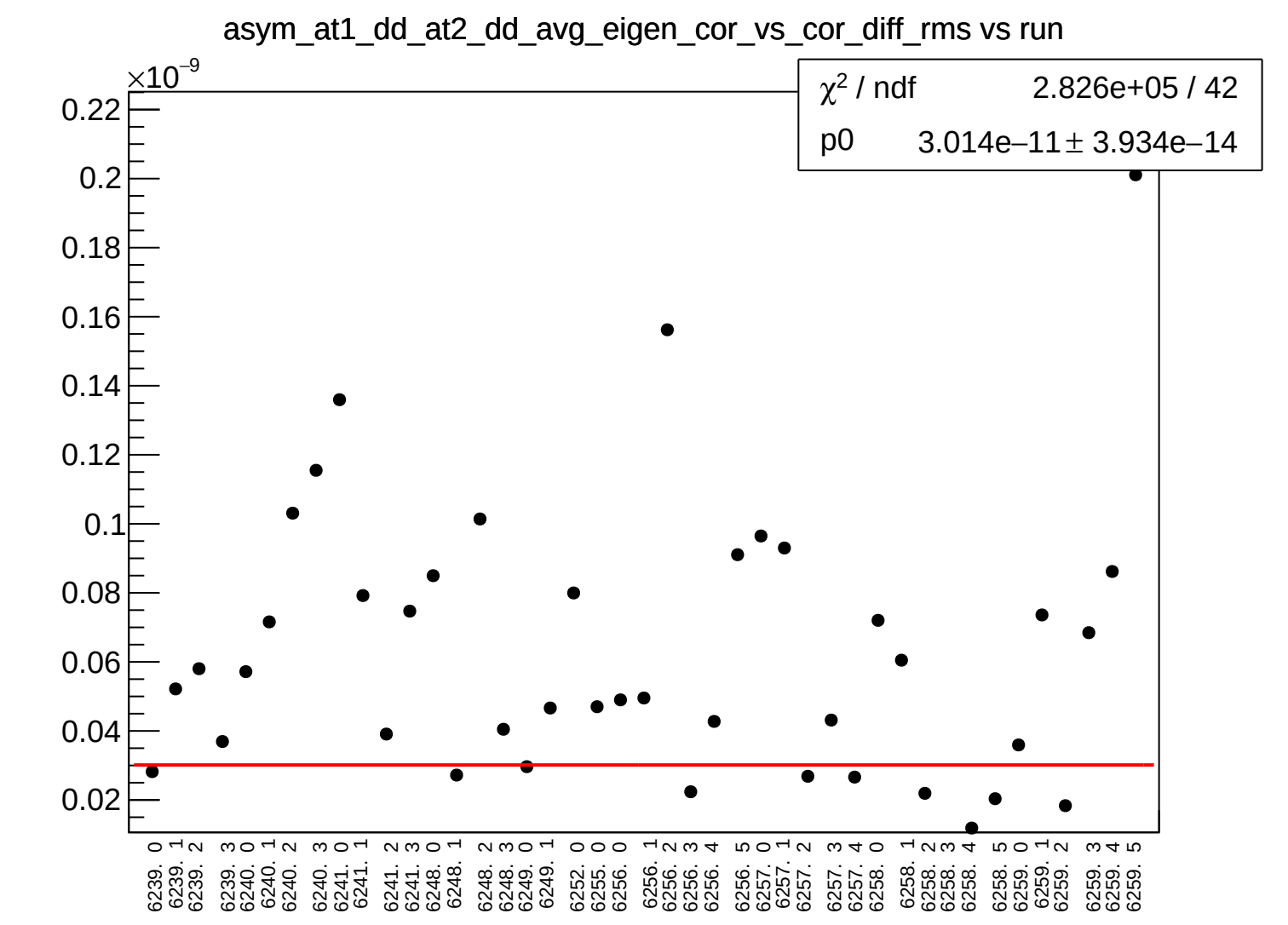

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 42
p0 44.59 ± 0.05141
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

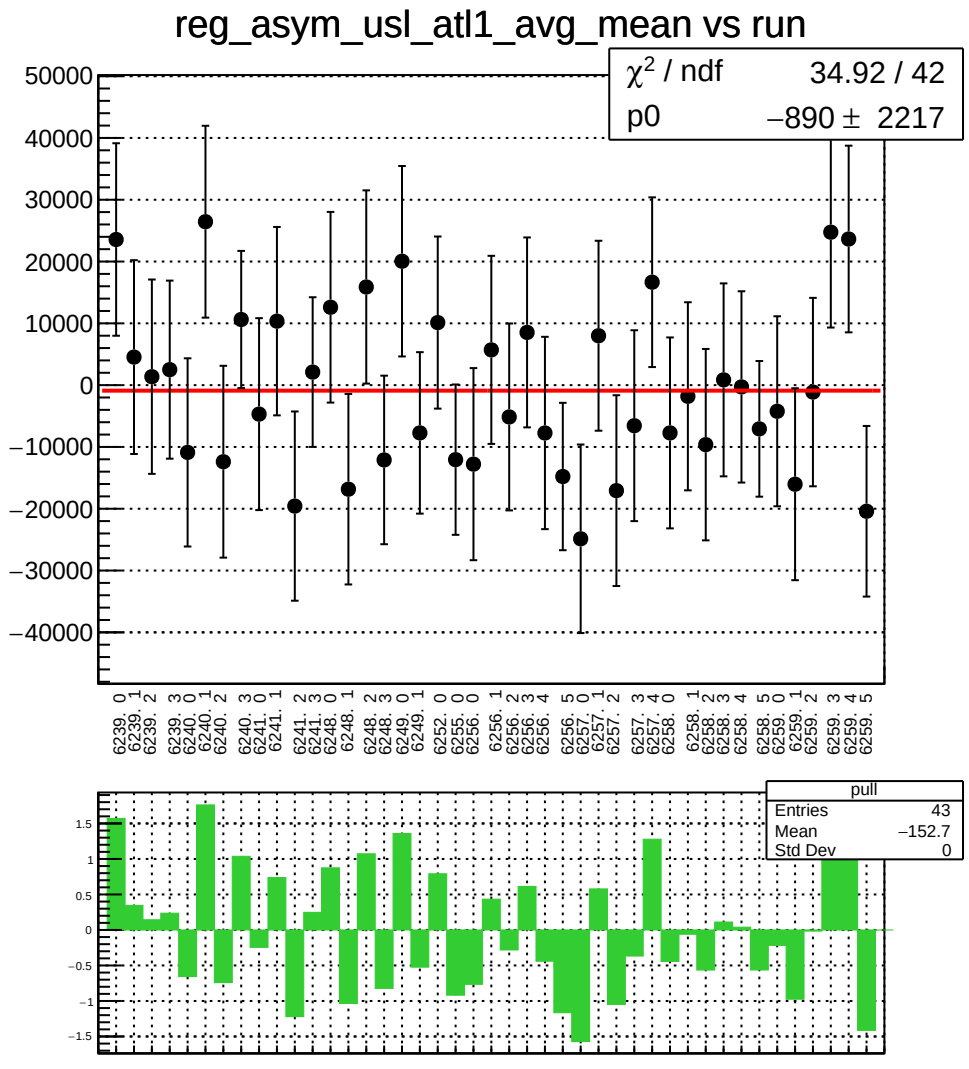
asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run

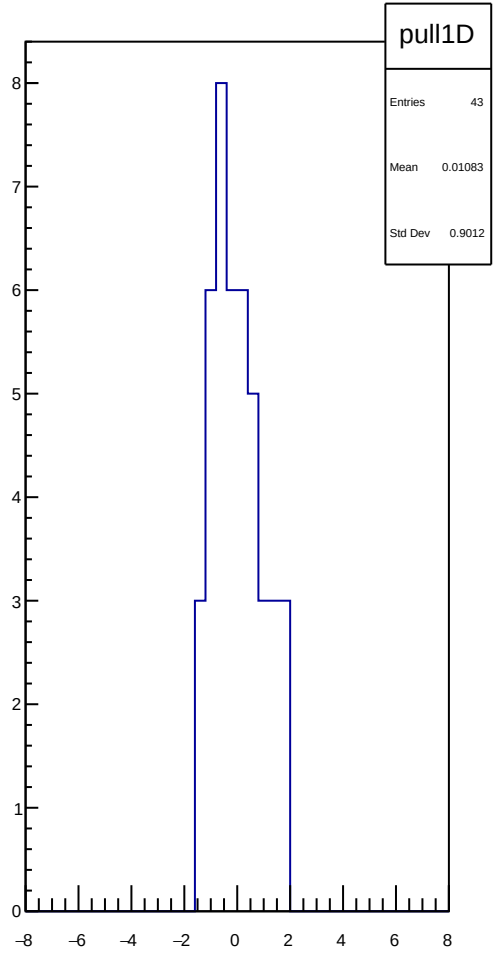


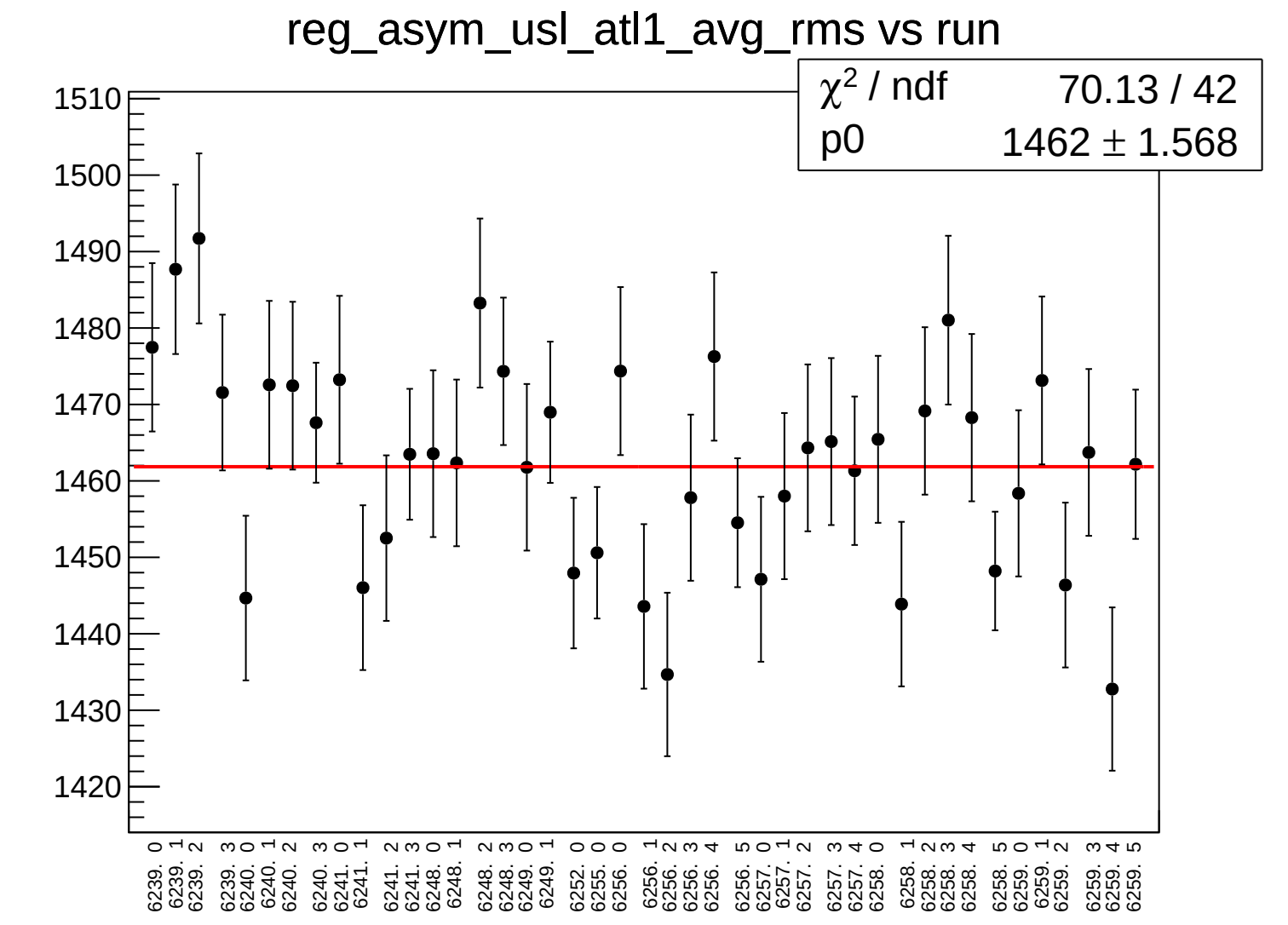



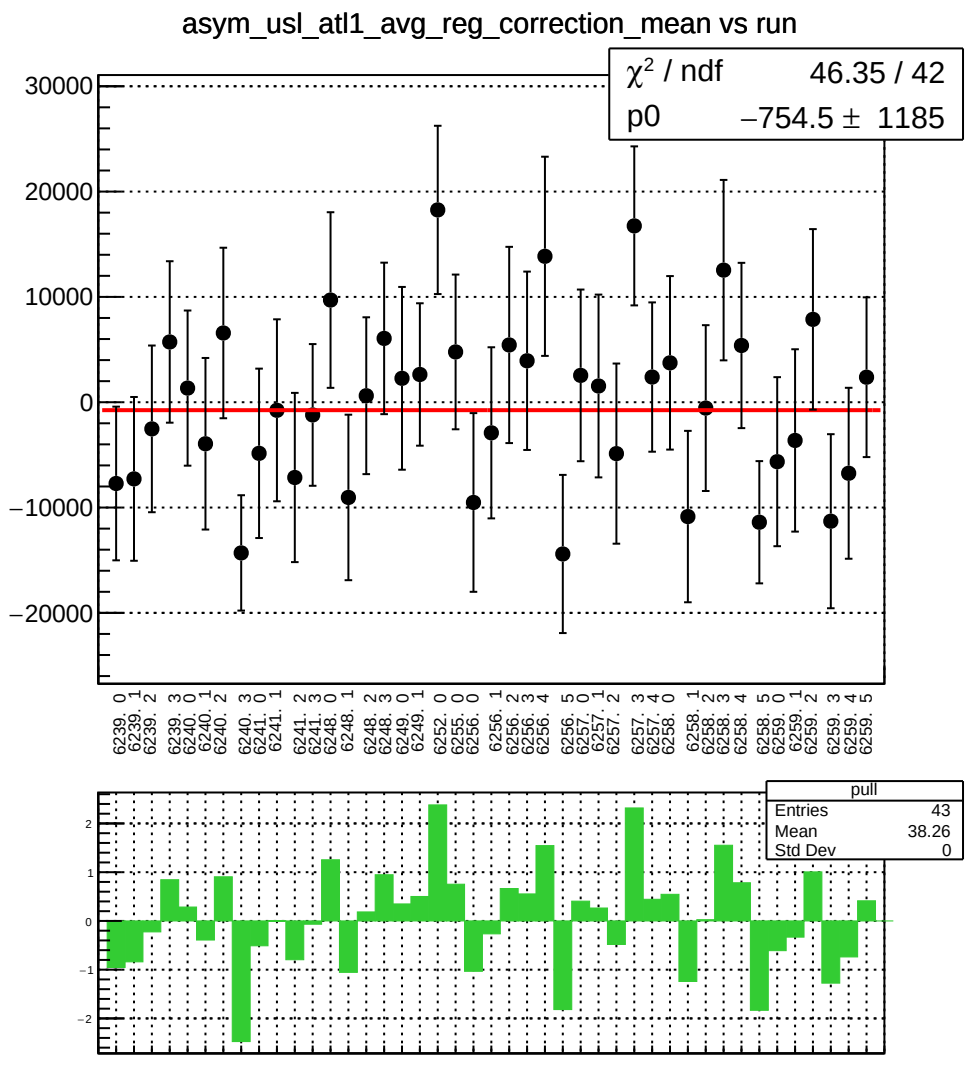



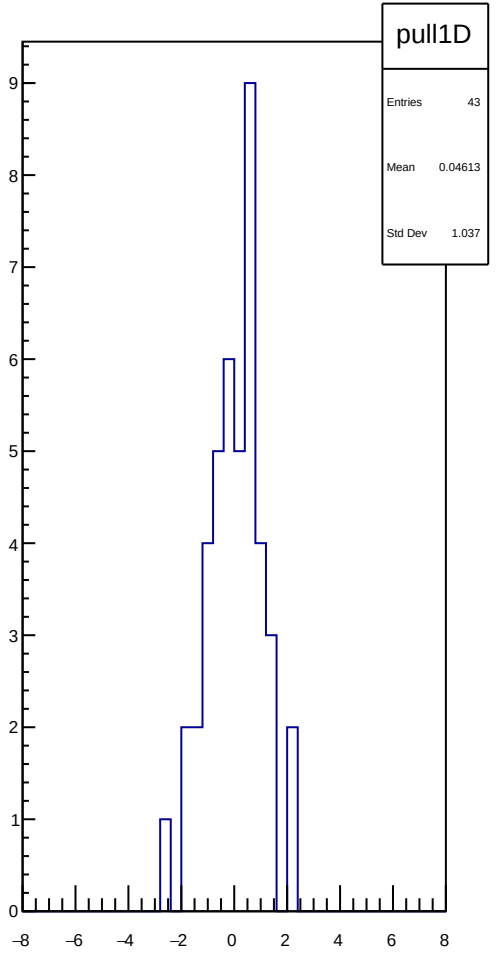

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.826e+05 / 42
p0 3.014e−11 ± 3.934e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

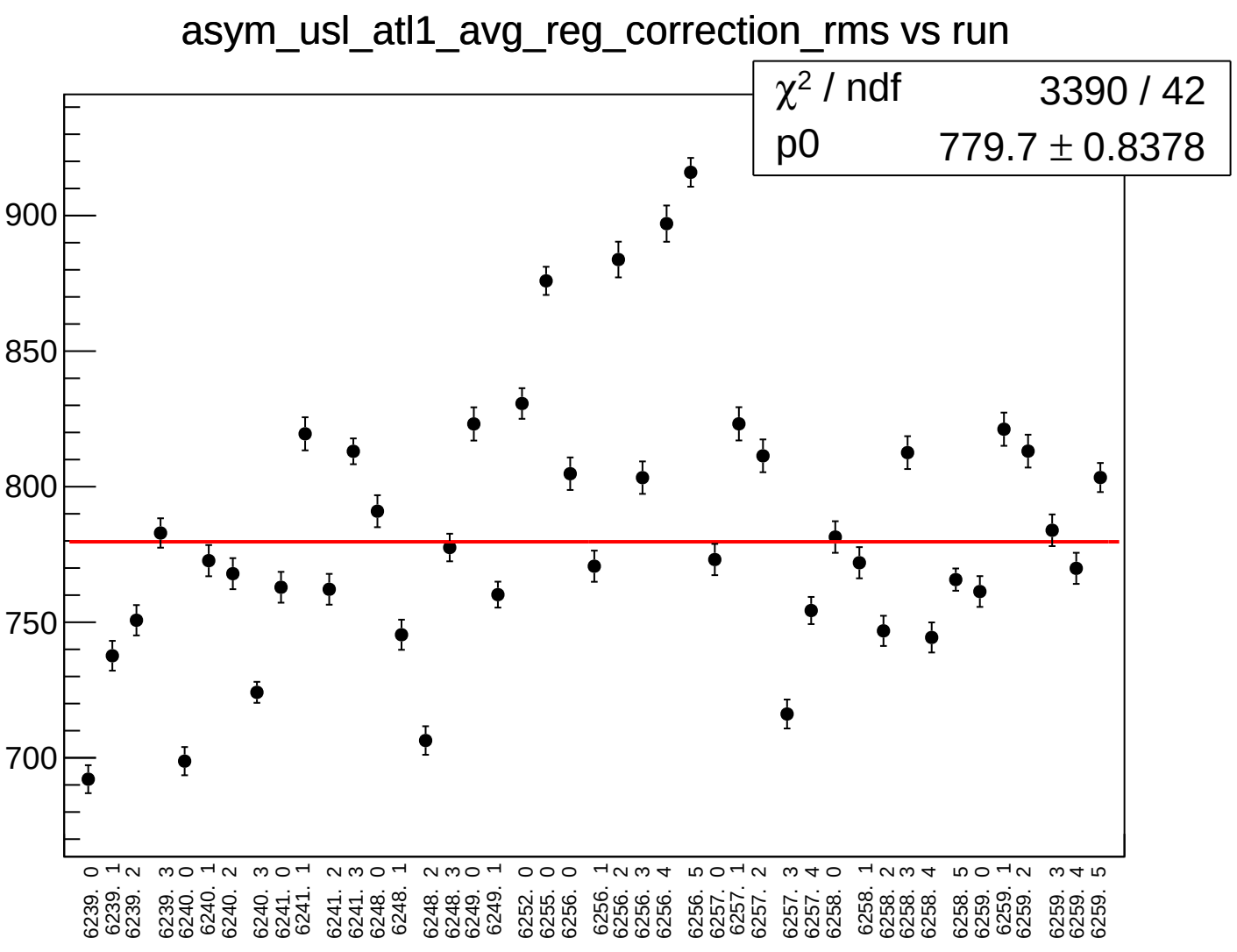

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 34.92 / 42
p0 −890 ± 2217
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −152.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

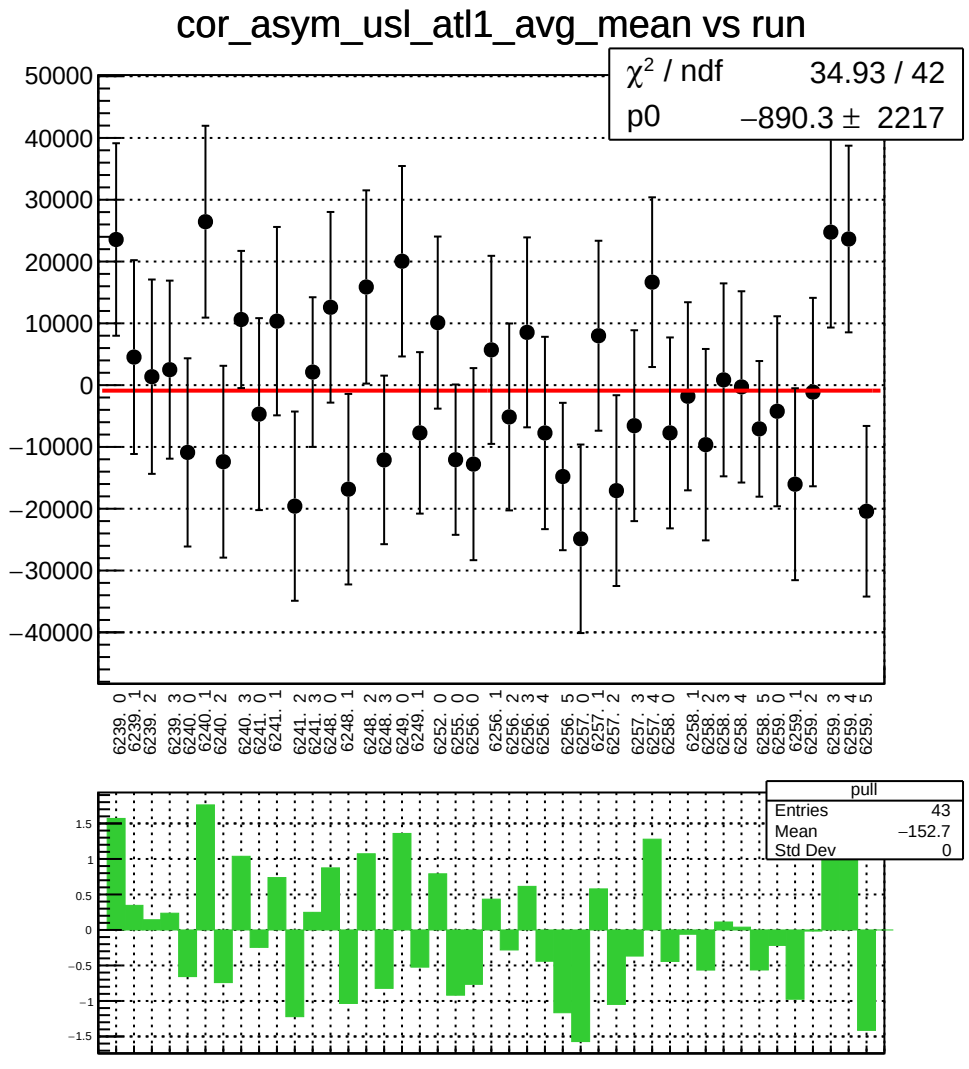

pull1D
Entries 43
Mean 0.01083
Std Dev 0.9012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

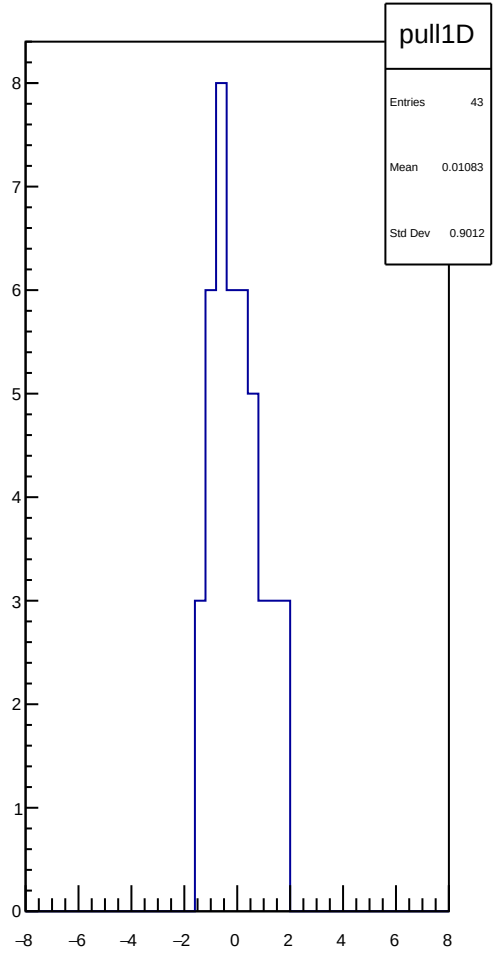

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 70.13 / 42
p0 1462 ± 1.568
1510
1500
1490
1480
1470
1460
1450
1440
1430
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

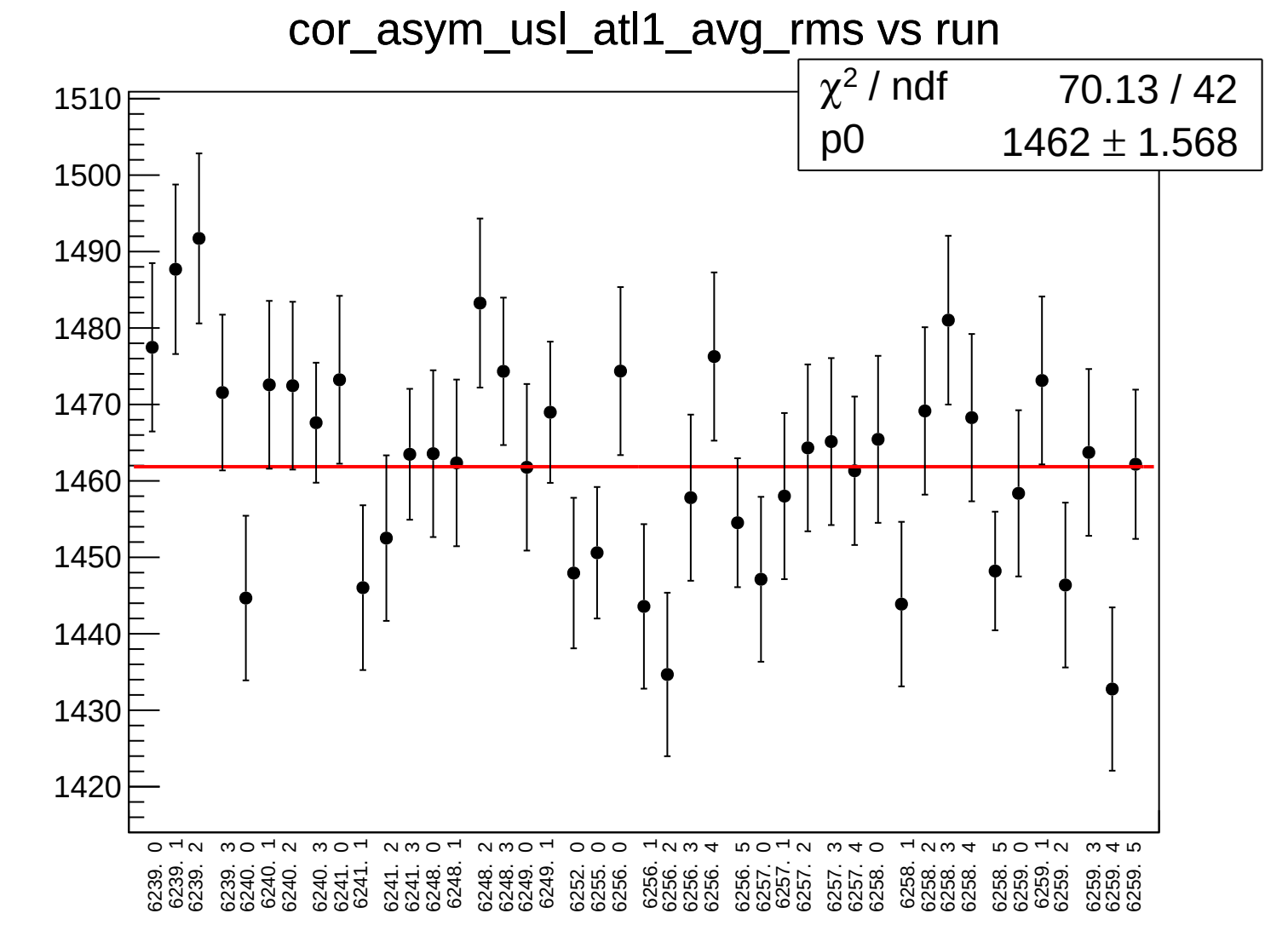

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 46.35 / 42
p0 −754.5 ± 1185
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.26
Std Dev 0
2
1
0
−1
−2

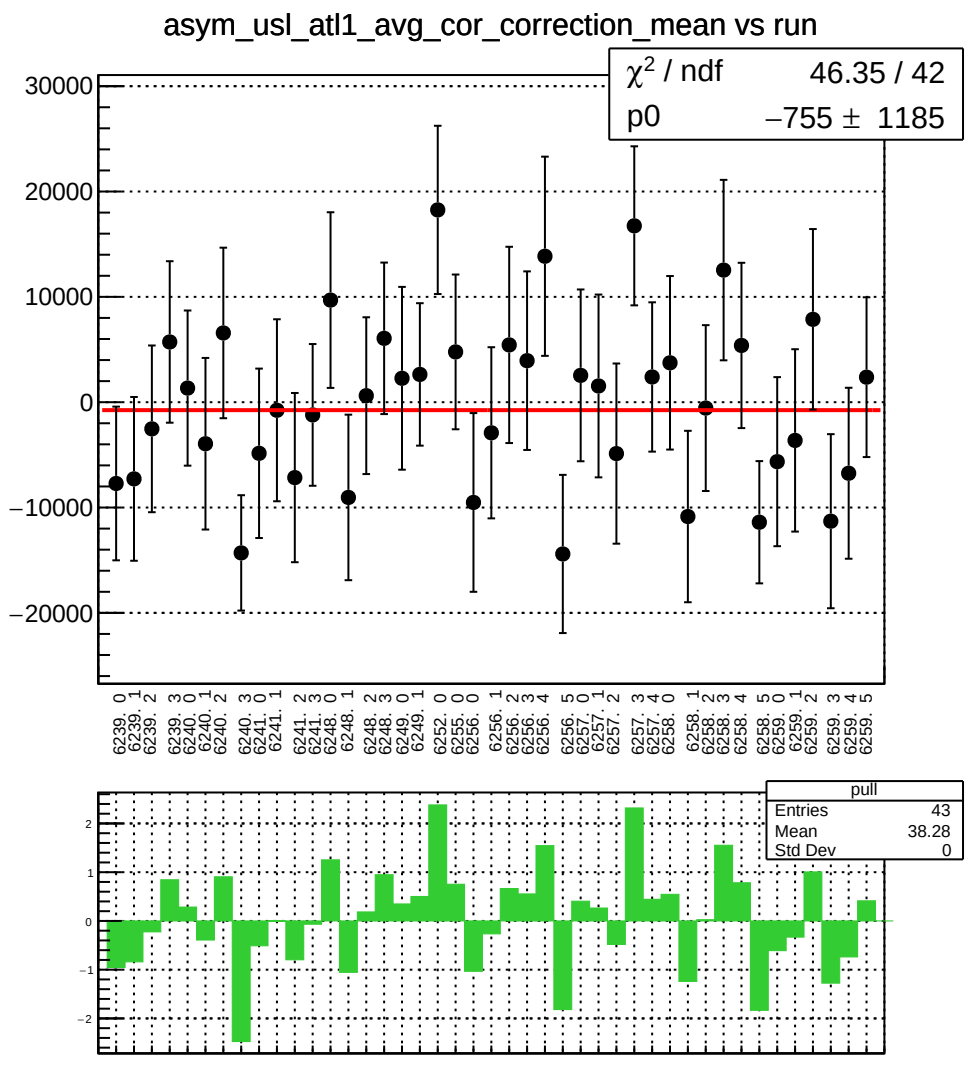

pull1D
Entries 43
Mean 0.04613
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

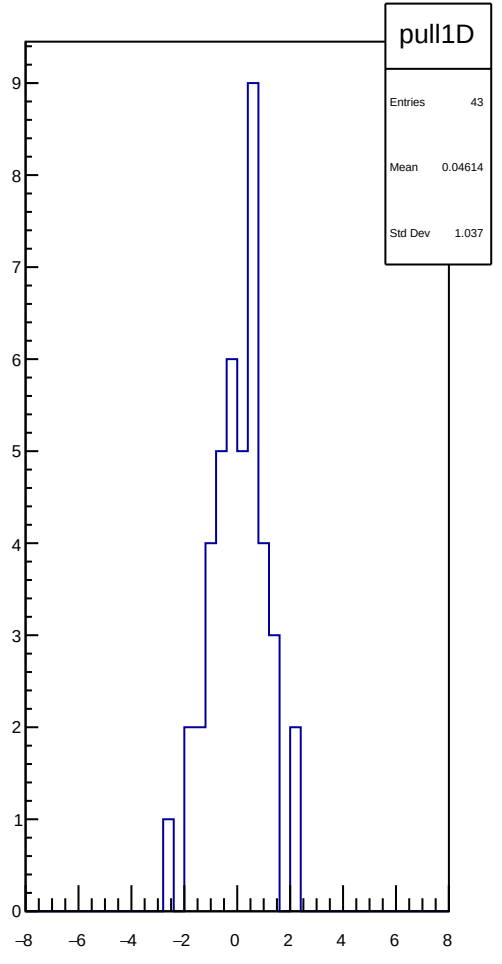

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 3390 / 42
p0 779.7 ± 0.8378
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

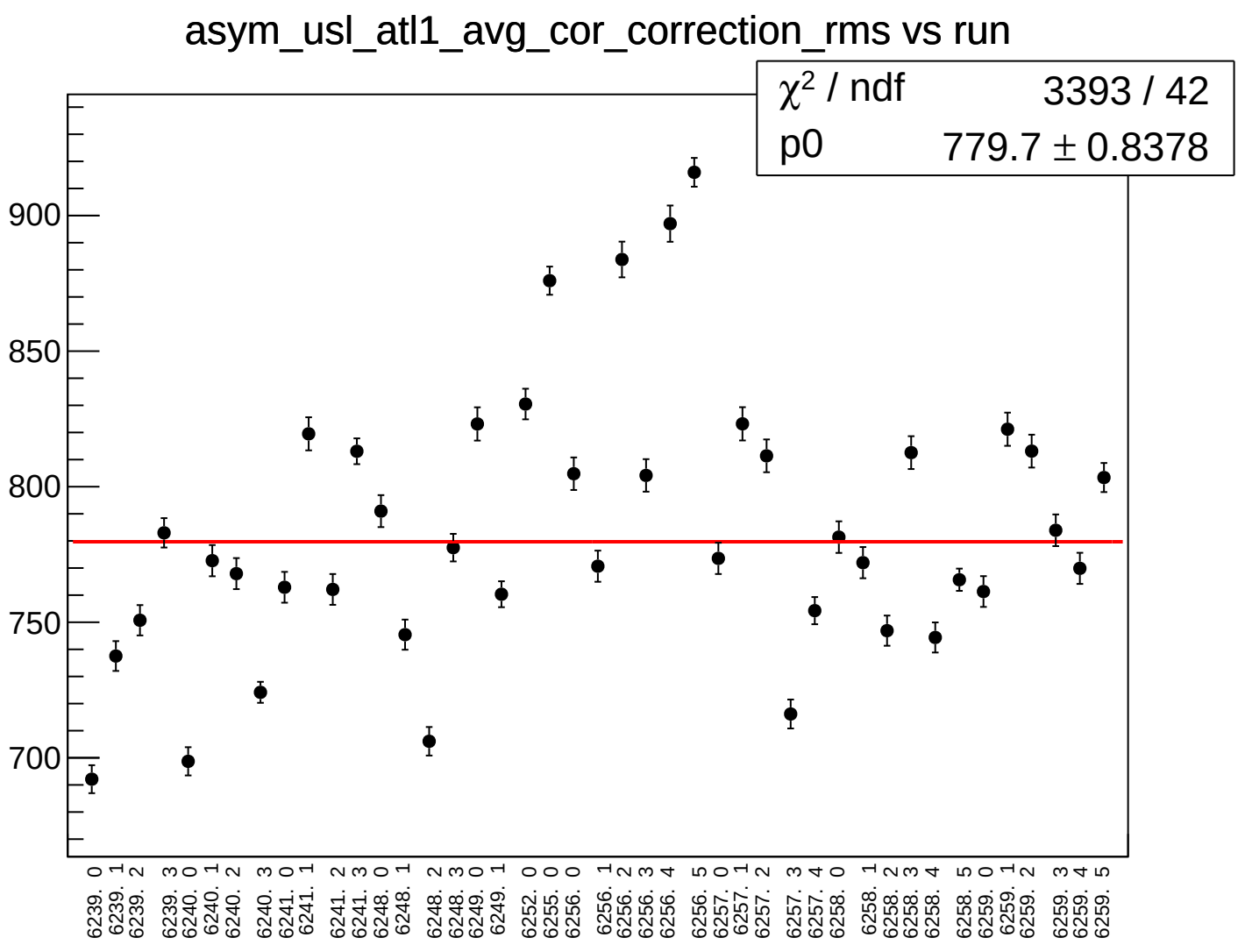

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 34.93 / 42
p0 −890.3 ± 2217
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −152.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

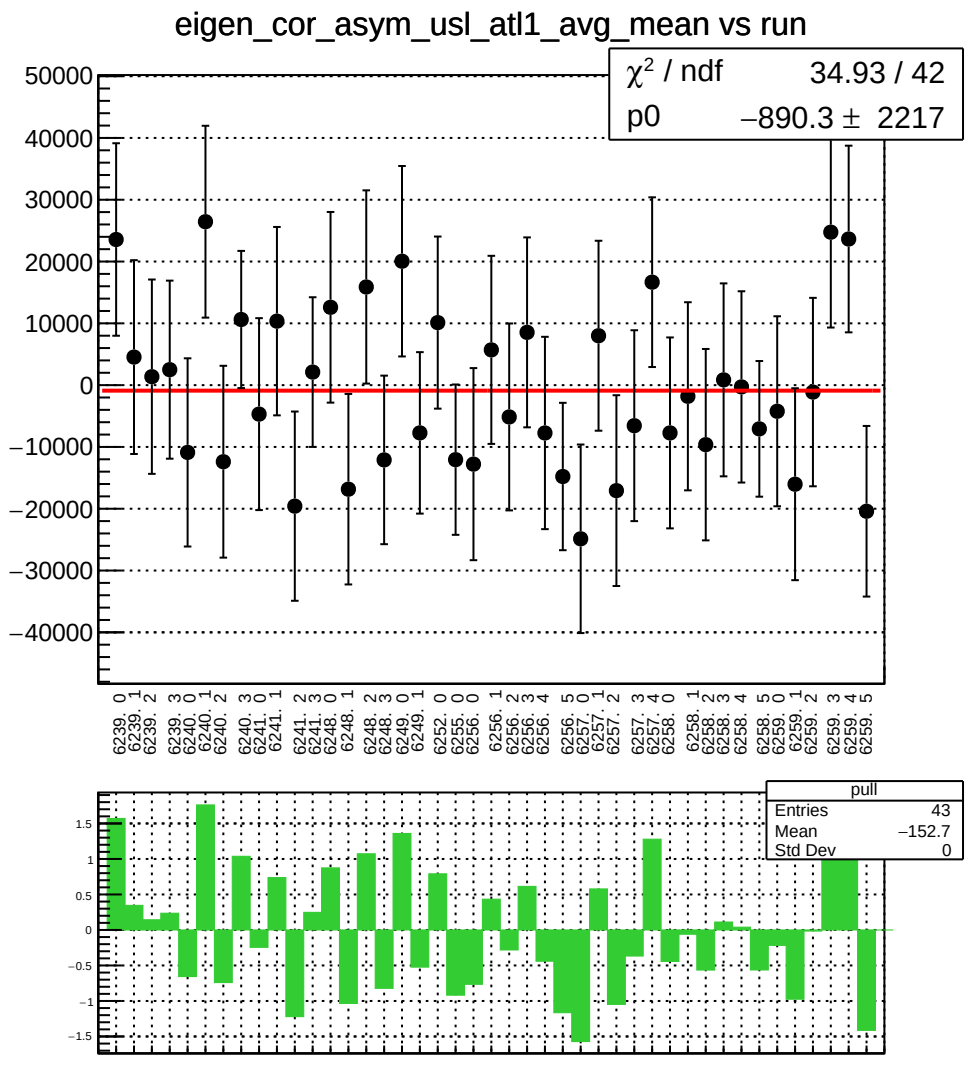

pull1D
Entries 43
Mean 0.01083
Std Dev 0.9012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

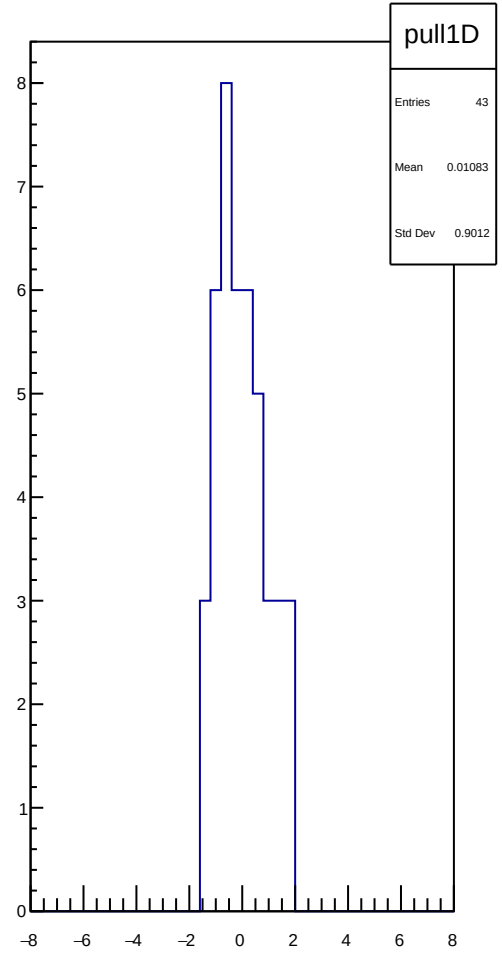

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 70.13 / 42
p0 1462 ± 1.568
1510
1500
1490
1480
1470
1460
1450
1440
1430
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

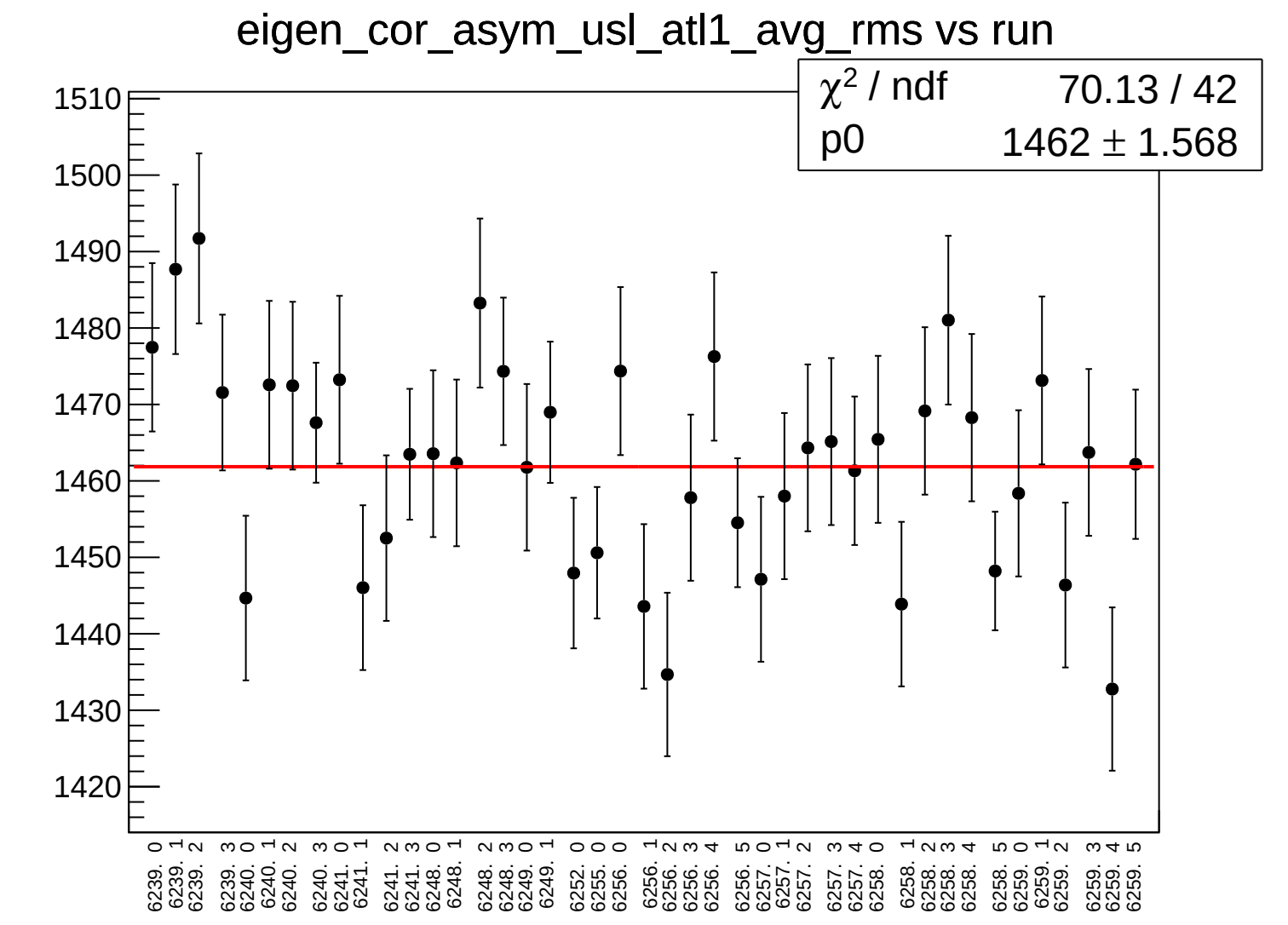

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 46.35 / 42
p0 −755 ± 1185
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.28
Std Dev 0
2
1
0
−1
−2

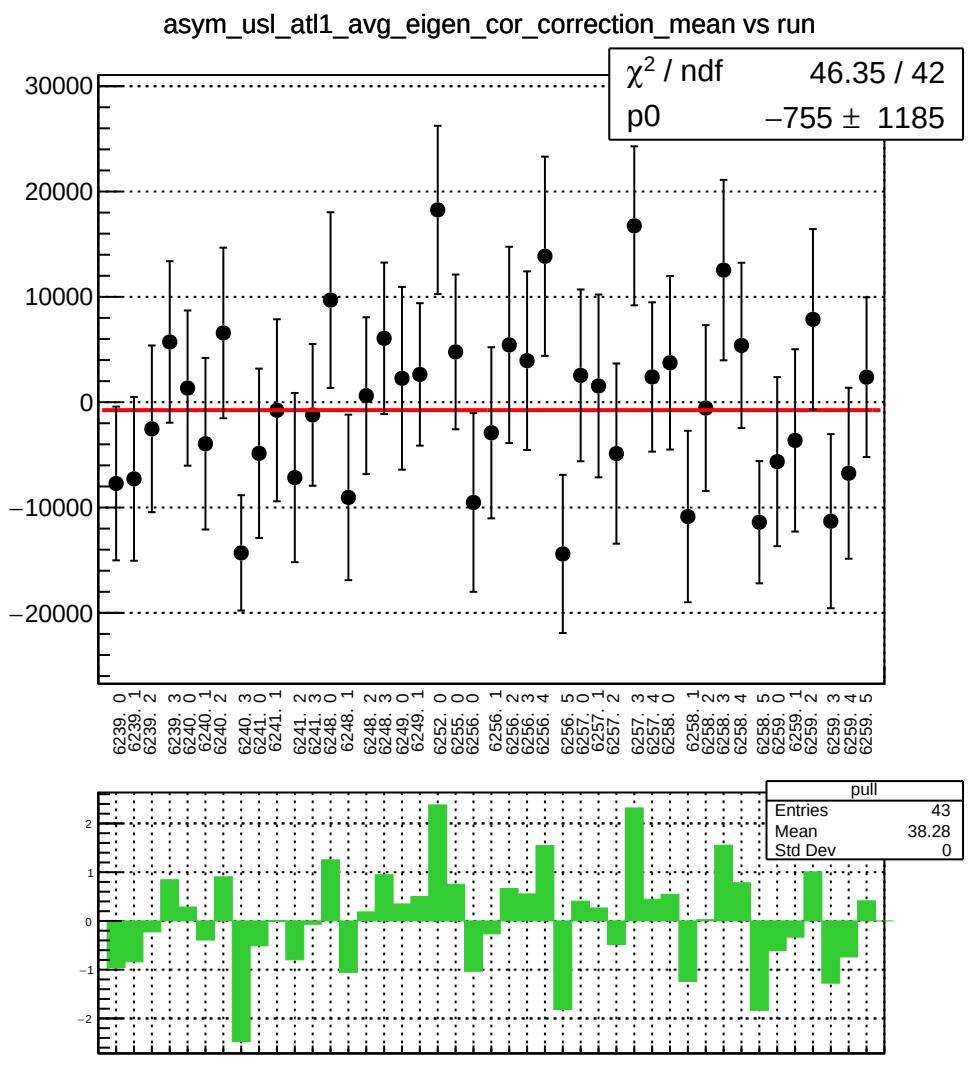

pull1D
Entries 43
Mean 0.04614
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

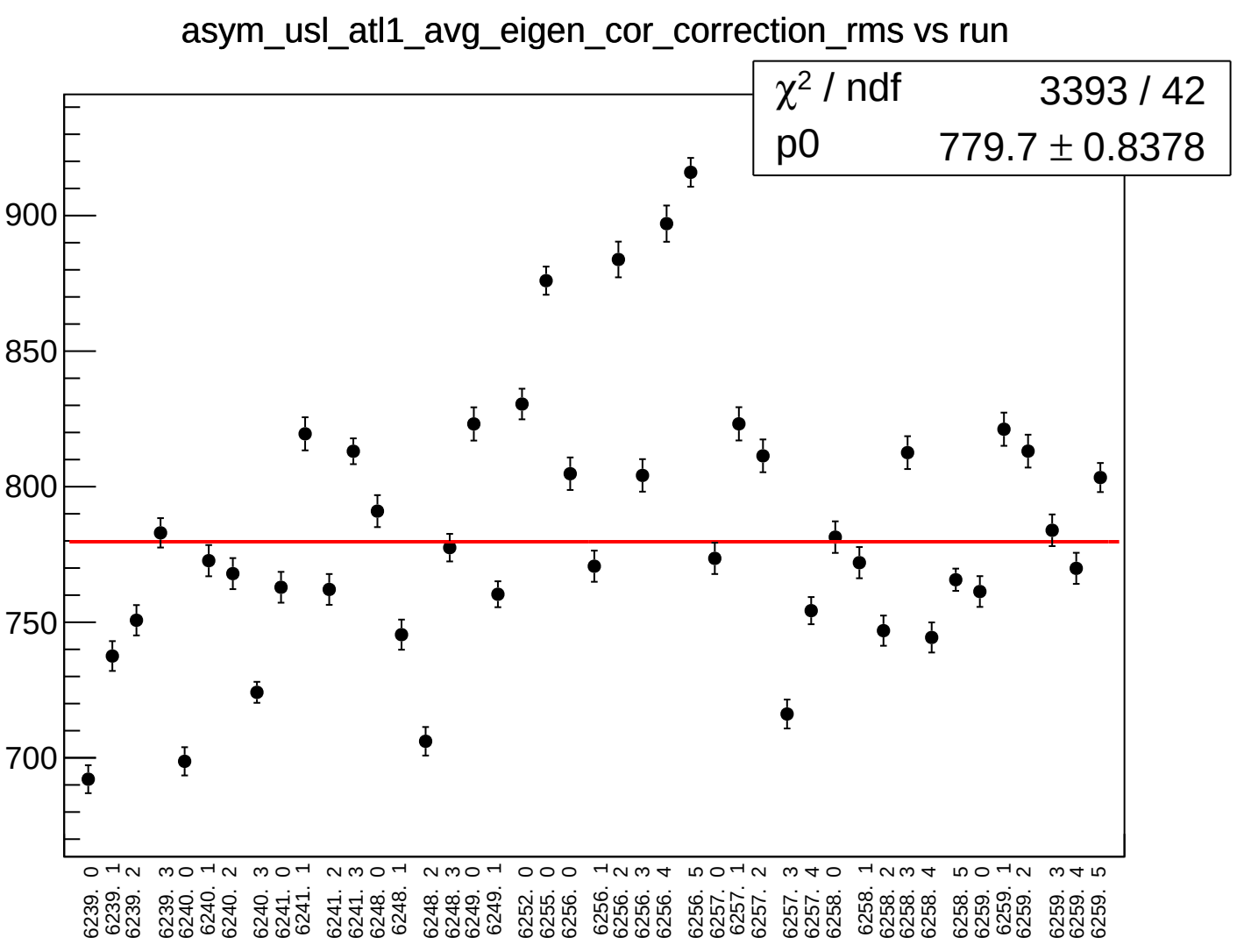

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 3393 / 42
p0 779.7 ± 0.8378
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

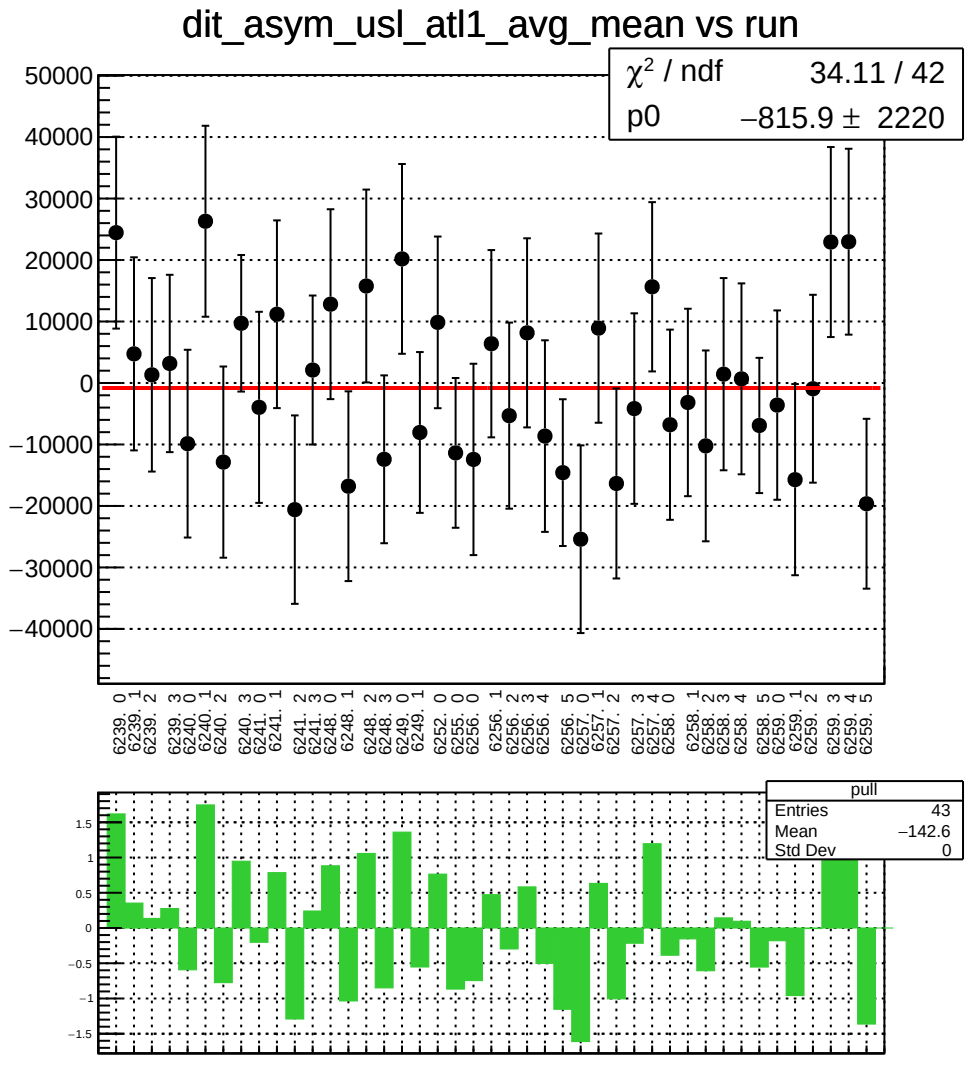

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 34.93 / 42
p0 −890.3 ± 2217
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −152.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

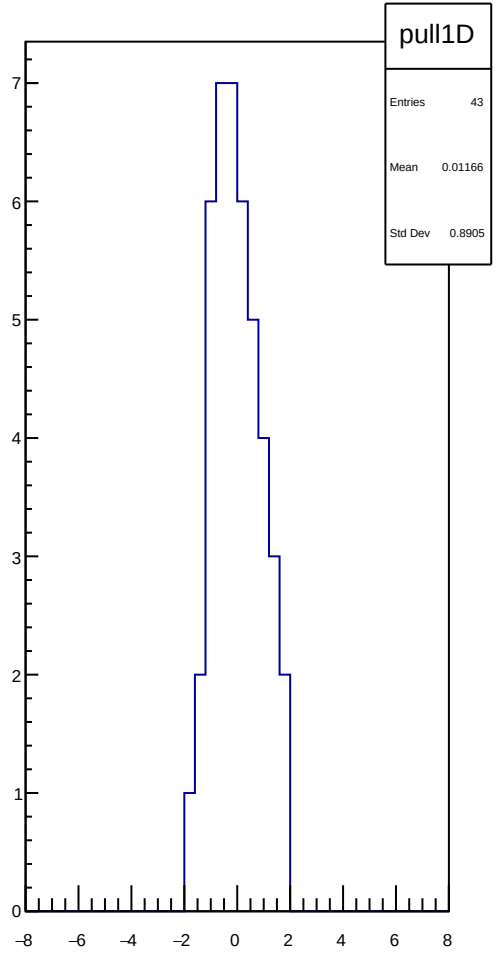

pull1D
Entries 43
Mean 0.01083
Std Dev 0.9012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

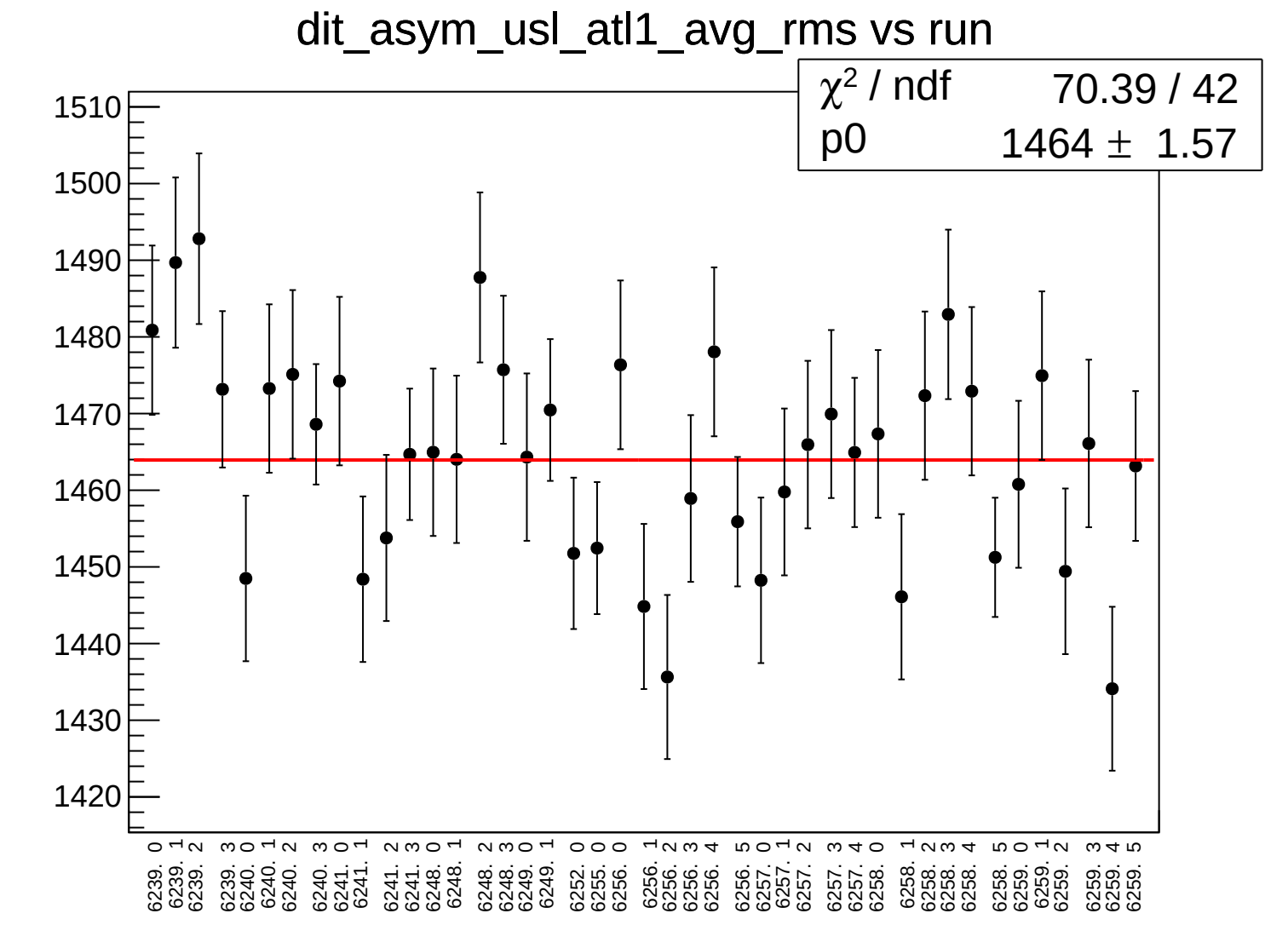

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 70.13 / 42
p0 1462 ± 1.568
1510
1500
1490
1480
1470
1460
1450
1440
1430
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

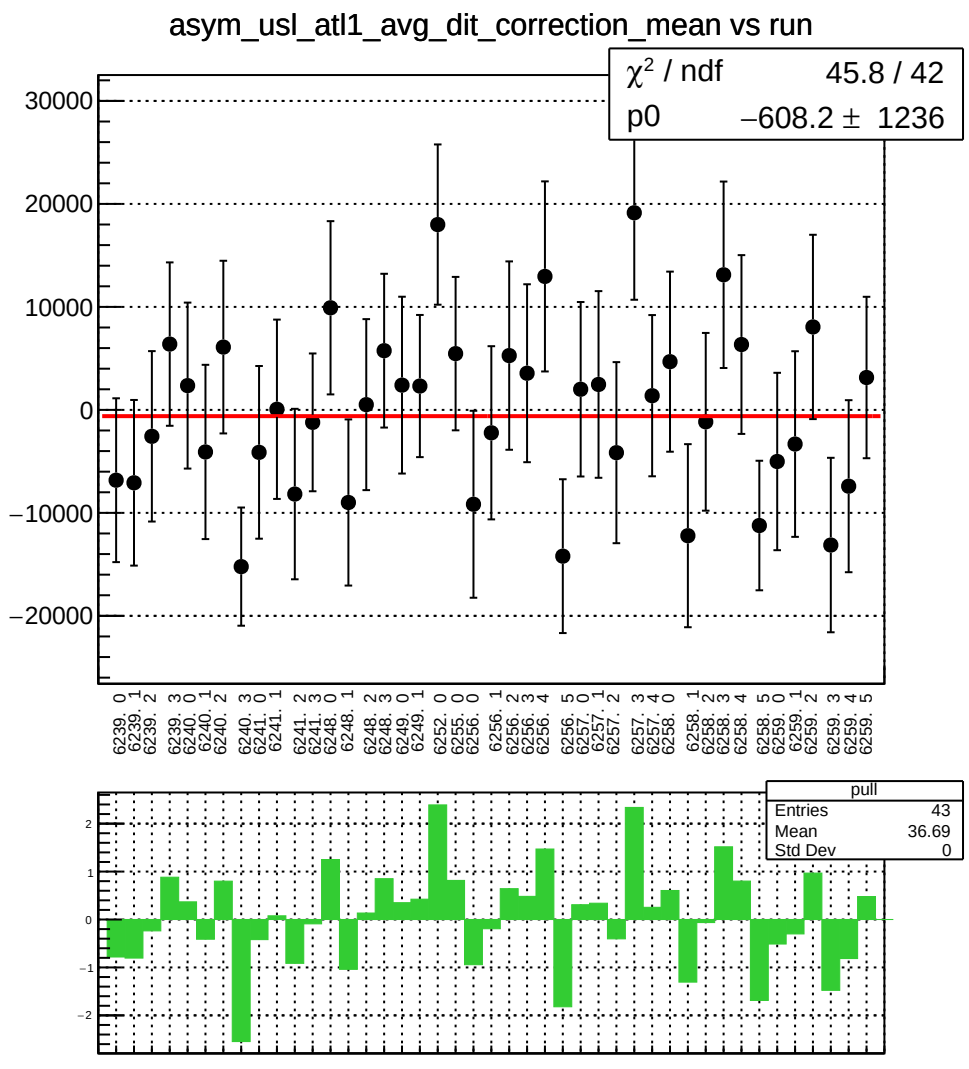

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.35 / 42
p0 −755 ± 1185
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04614
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

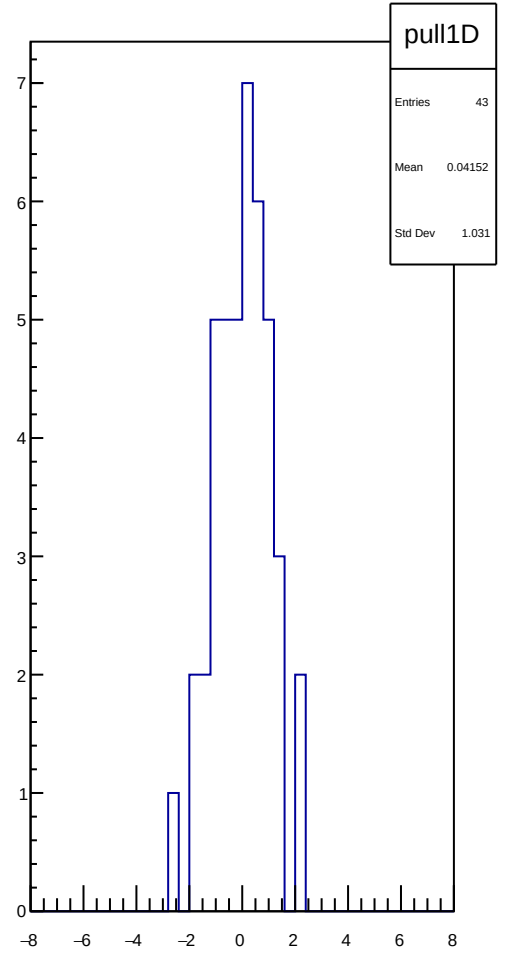

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3393 / 42
p0 779.7 ± 0.8378
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

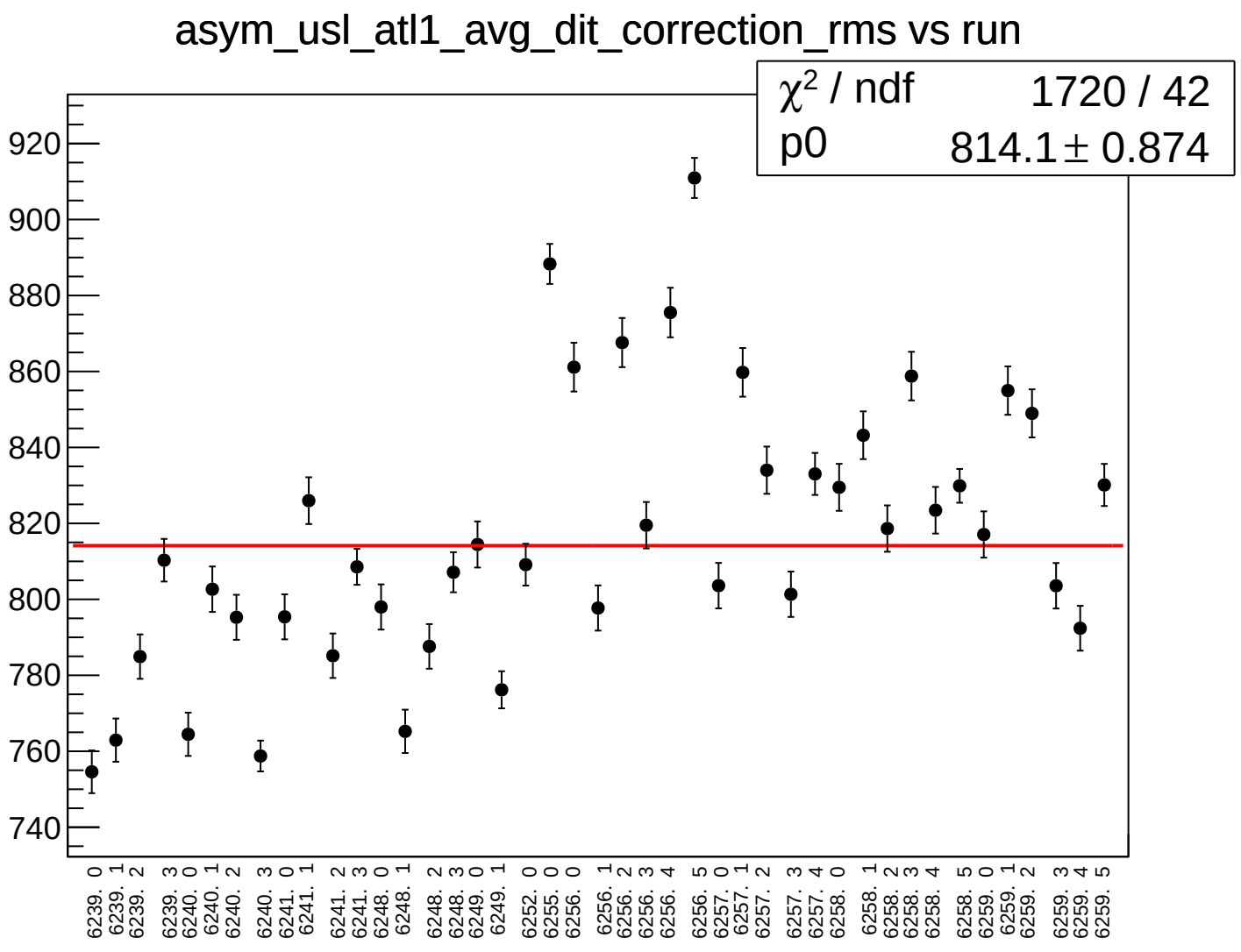

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 34.11 / 42
p0 −815.9 ± 2220
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −142.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

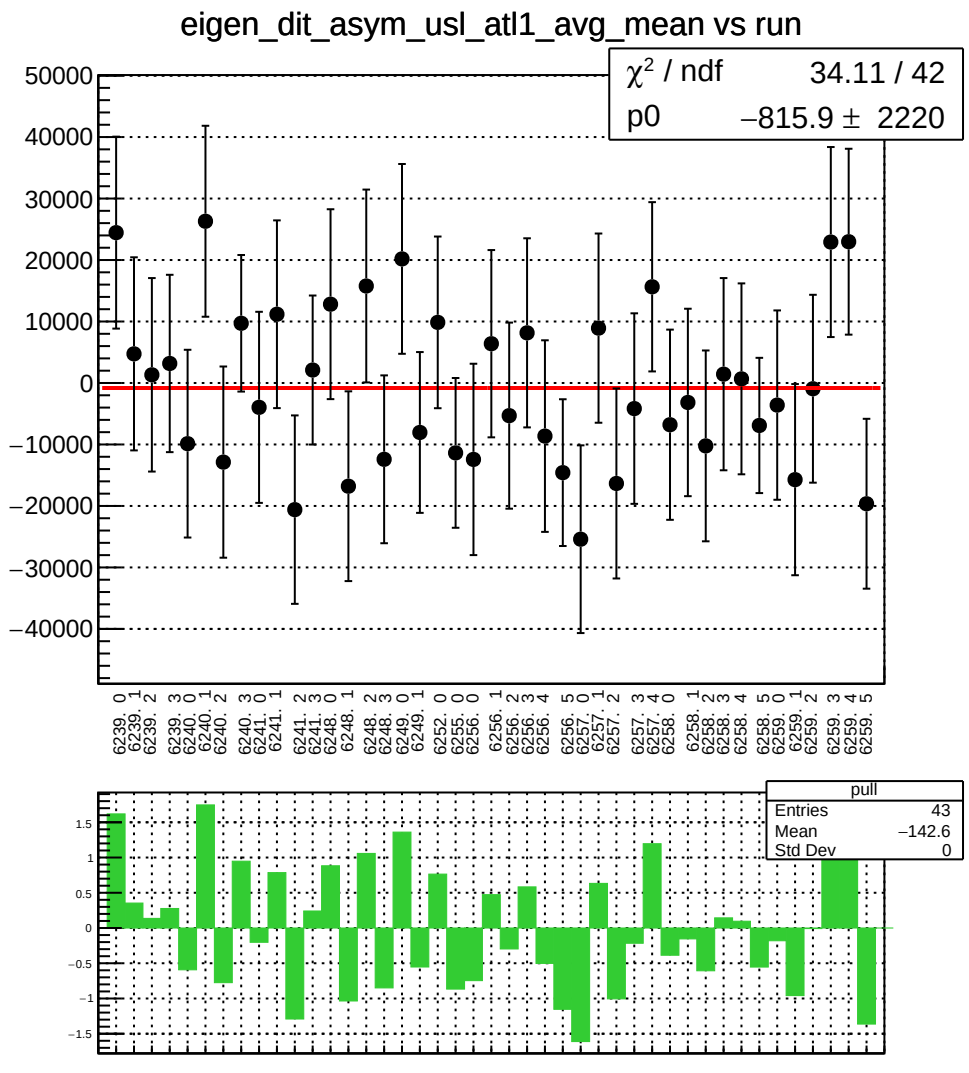

pull1D
Entries 43
Mean 0.01166
Std Dev 0.8905
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

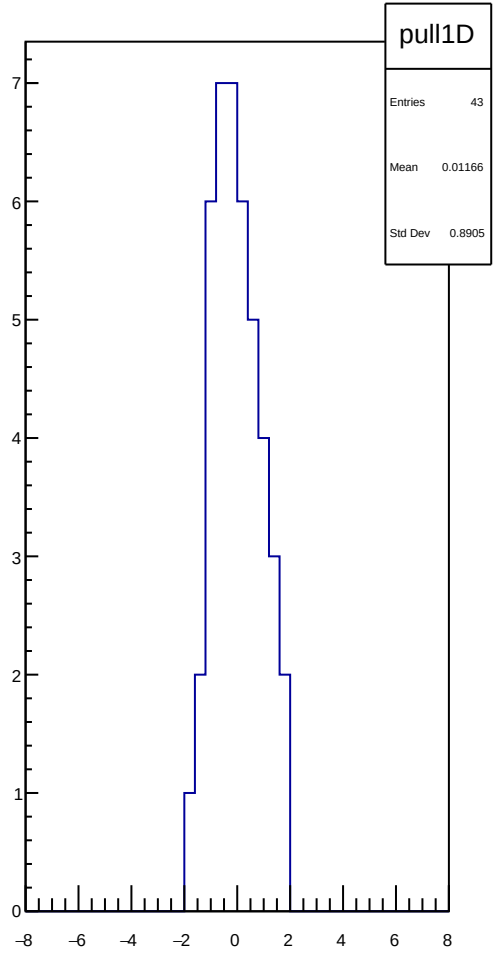

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 70.39 / 42
p0 1464 ± 1.57
1510
1500
1490
1480
1470
1460
1450
1440
1430
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

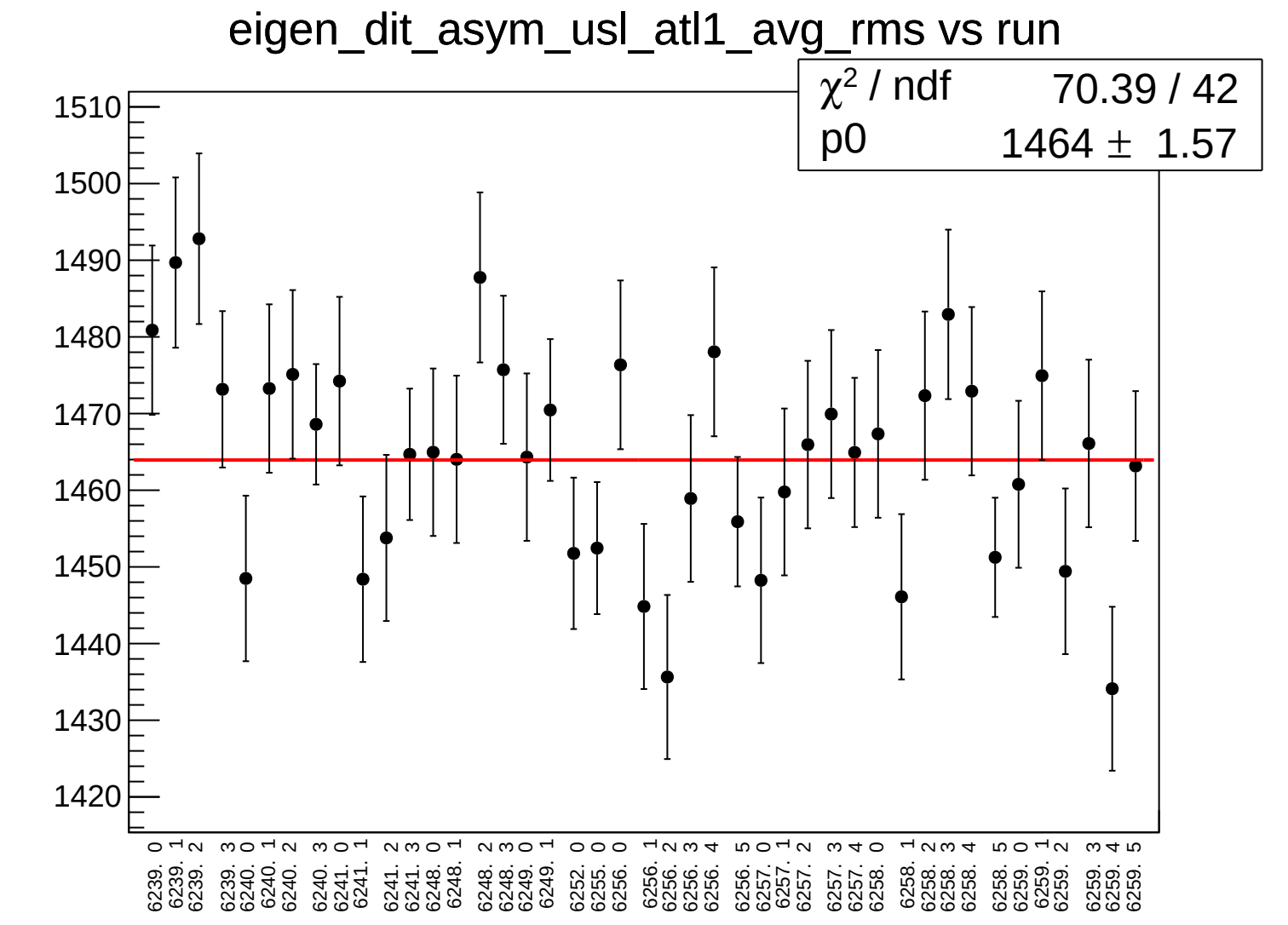

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 45.8 / 42
p0 −608.2 ± 1236
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.69
Std Dev 0
2
1
0
−1
−2

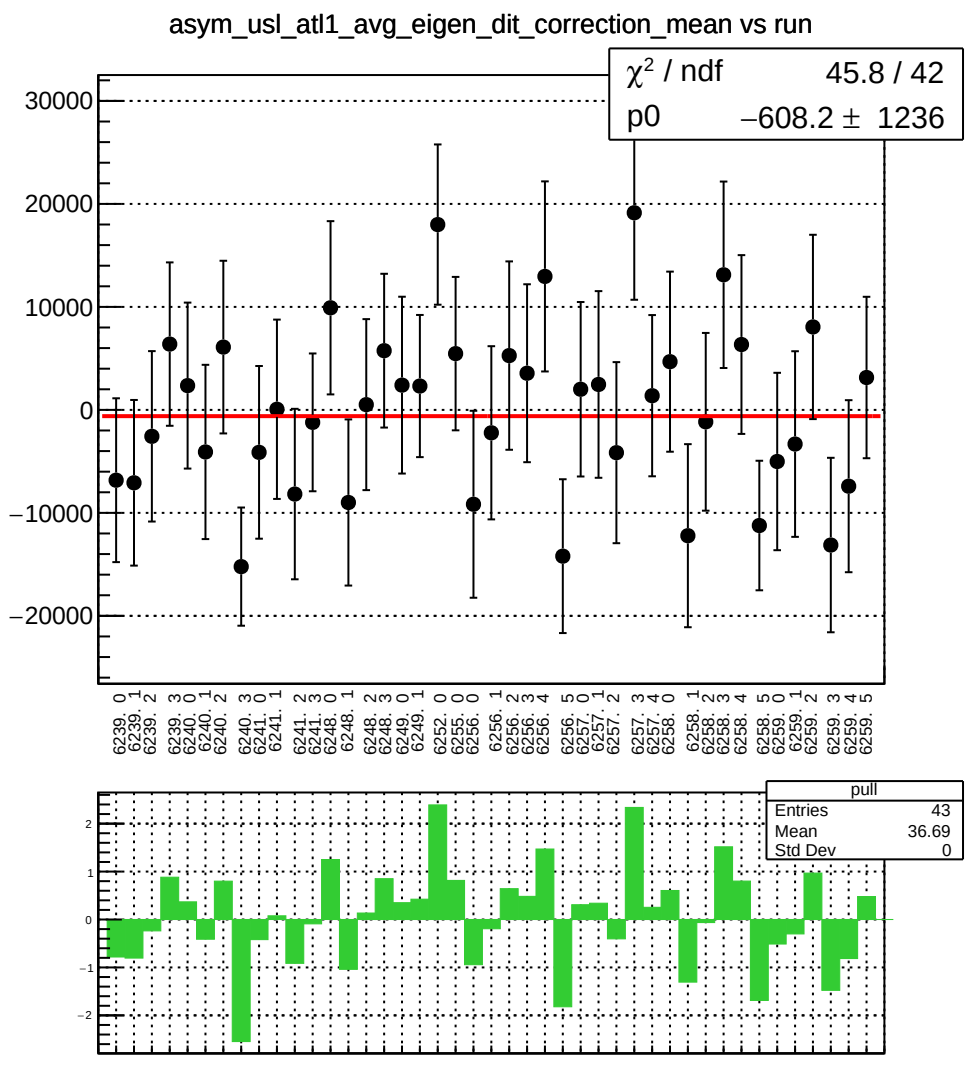

pull1D
Entries 43
Mean 0.04152
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

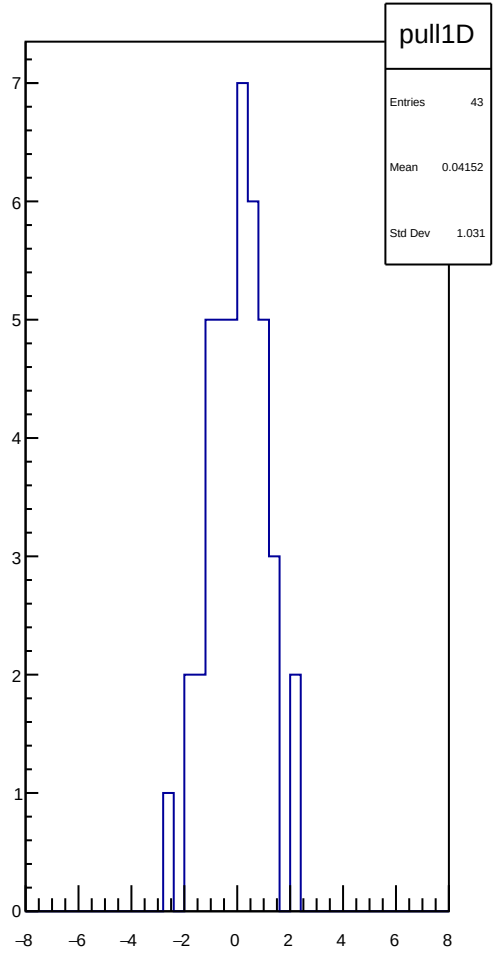

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1720 / 42
p0 814.1 ± 0.874
920
900
880
860
840
820
800
780
760
740
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

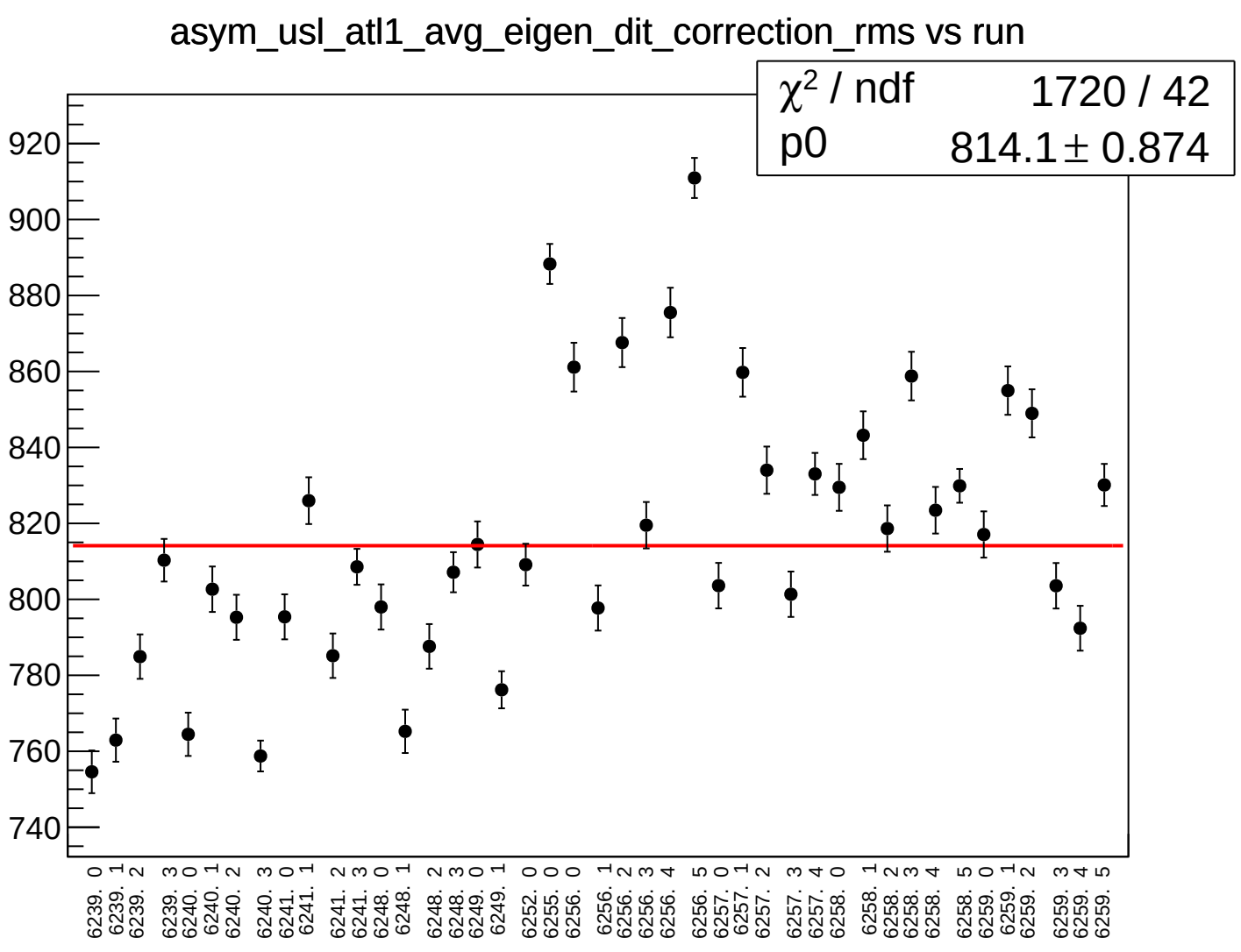

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 34.11 / 42
p0 −815.9 ± 2220
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −142.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

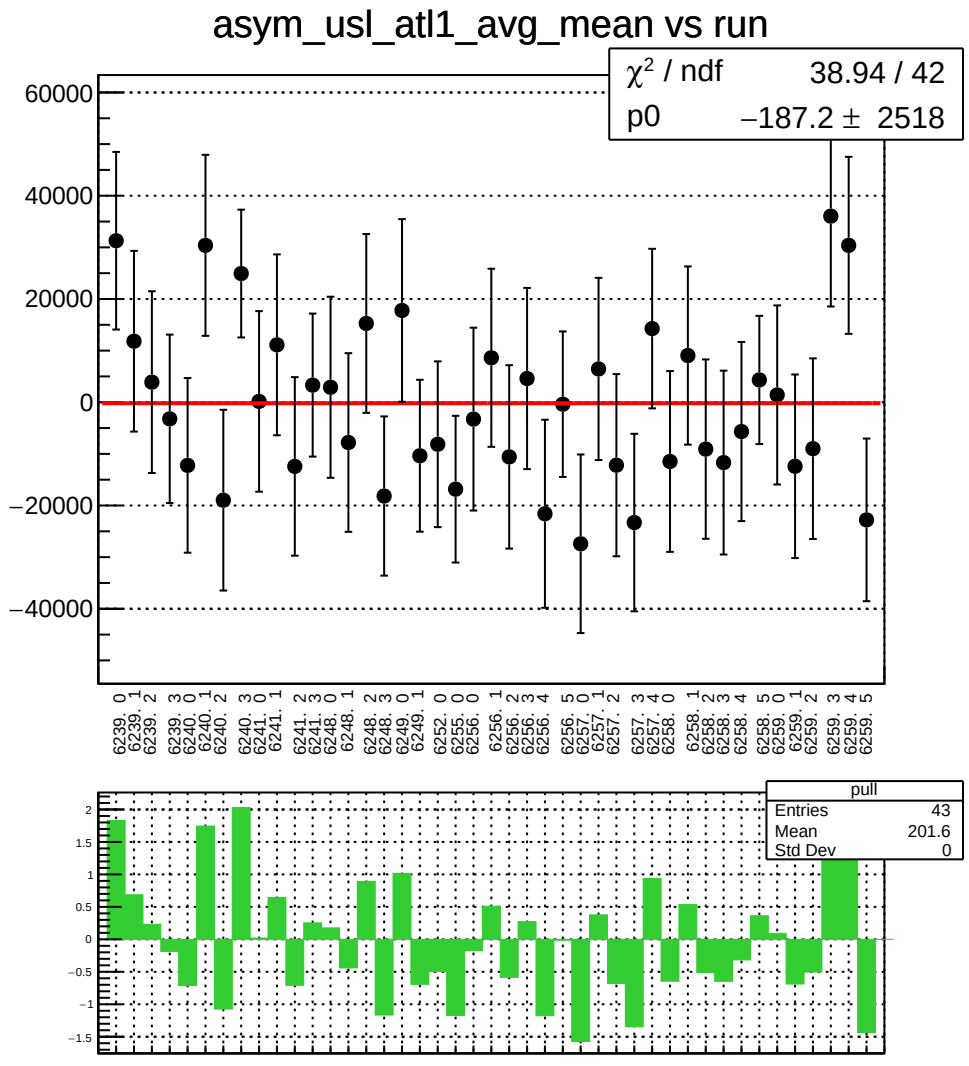

pull1D
Entries 43
Mean 0.01166
Std Dev 0.8905
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

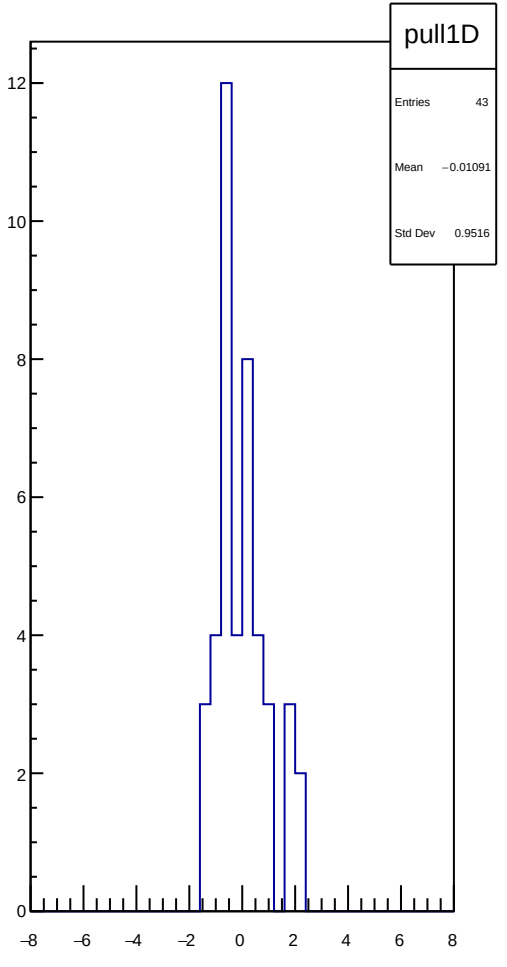

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 70.39 / 42
p0 1464 ± 1.57
1510
1500
1490
1480
1470
1460
1450
1440
1430
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

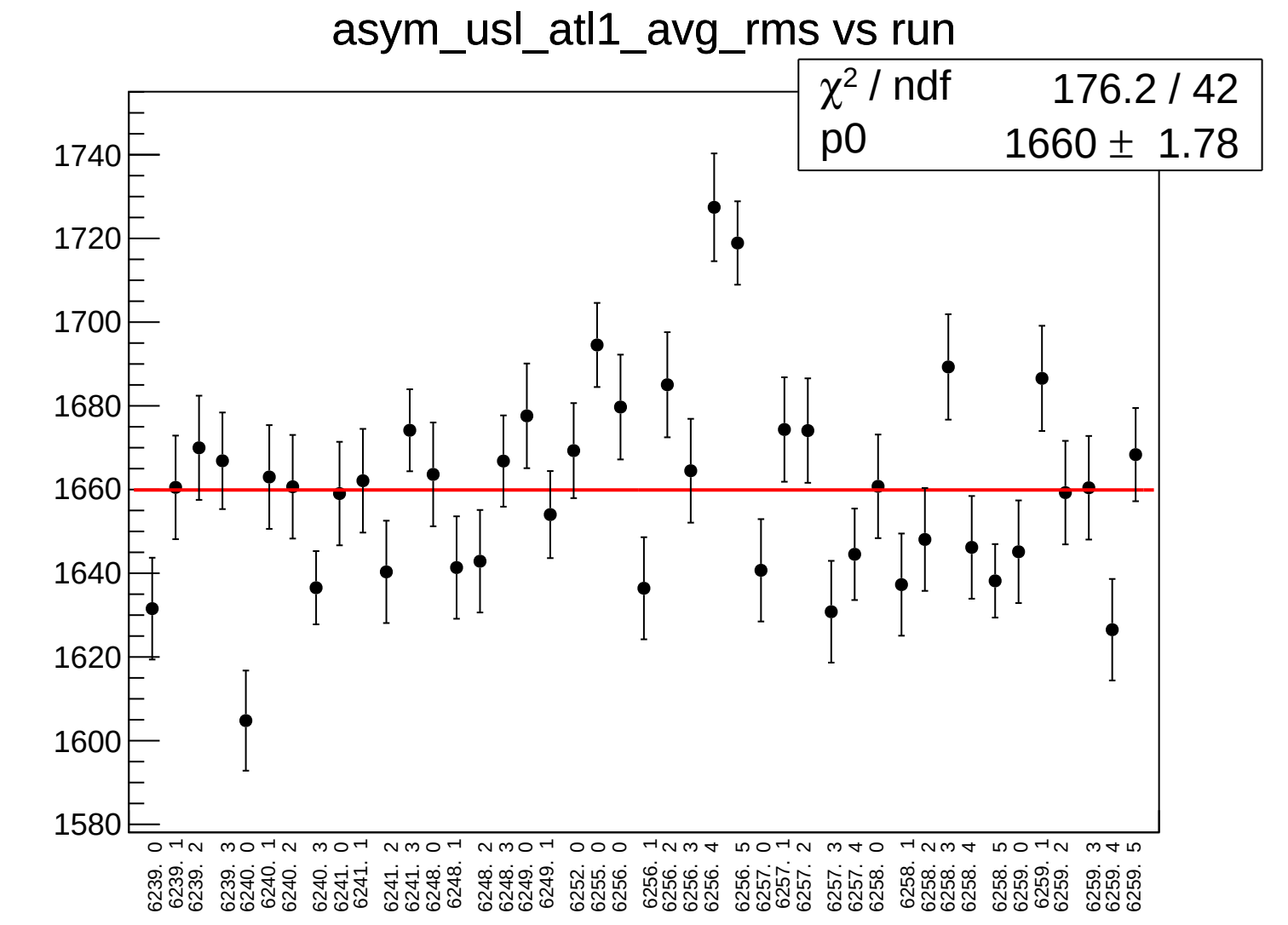

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.8 / 42
p0 −608.2 ± 1236
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.69
Std Dev 0
2
1
0
−1
−2

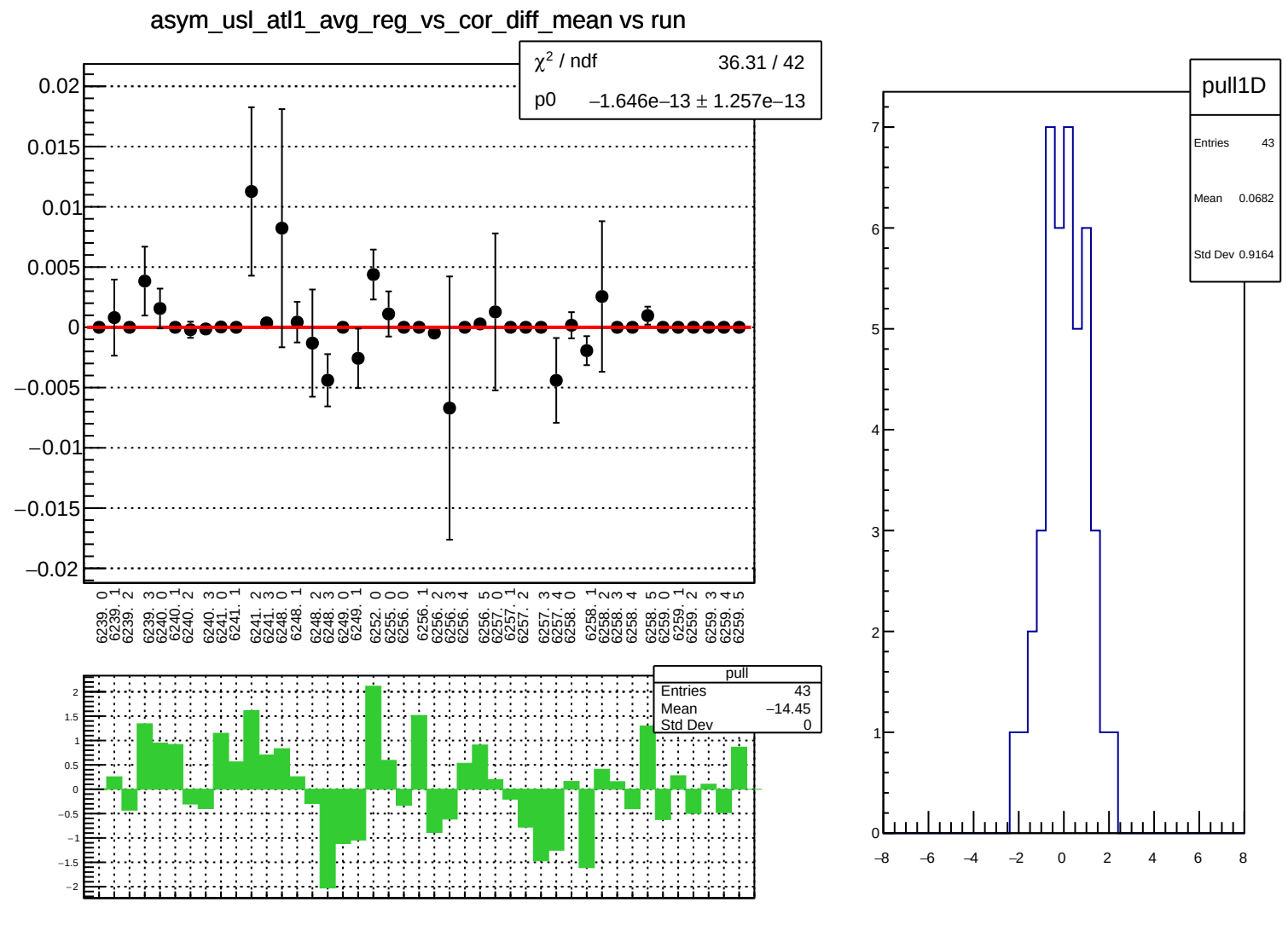

pull1D
Entries 43
Mean 0.04152
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

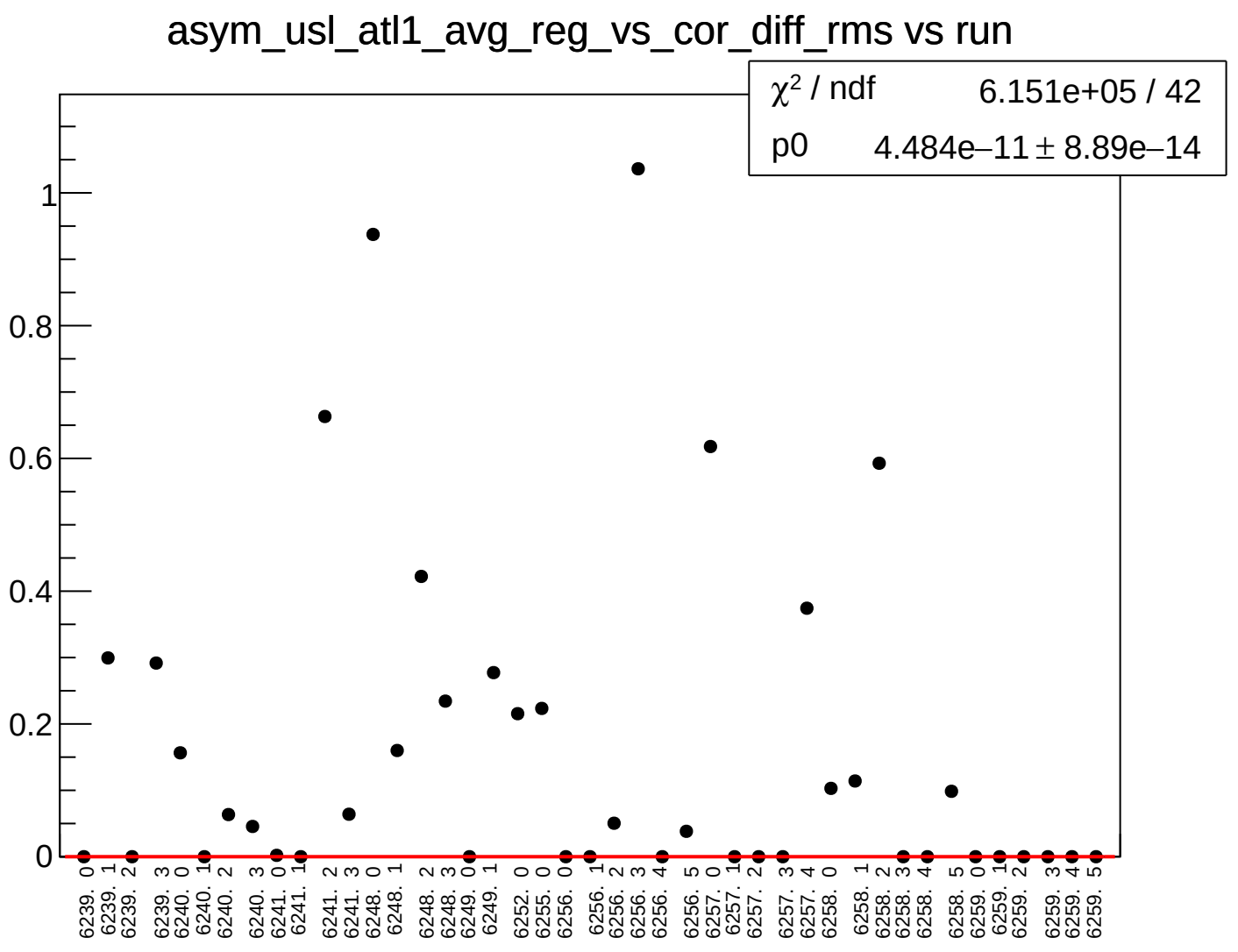

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1720 / 42
p0 814.1 ± 0.874
920
900
880
860
840
820
800
780
760
740
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usl_atl1_avg_mean vs run
χ² / ndf 38.94 / 42
p0 −187.2 ± 2518
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 201.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

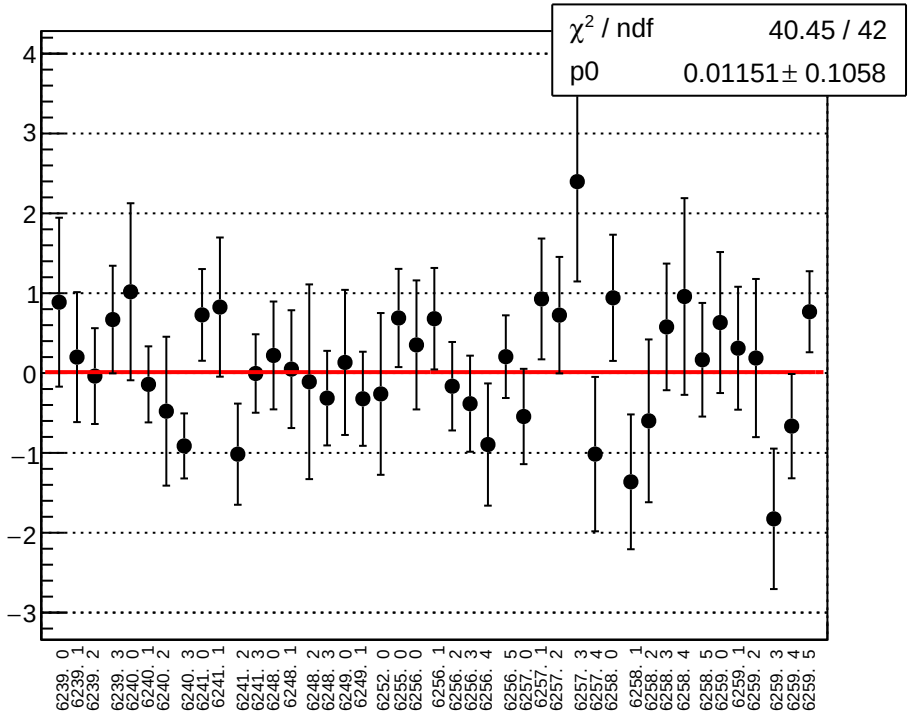

pull1D
Entries 43
Mean −0.01091
Std Dev 0.9516
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

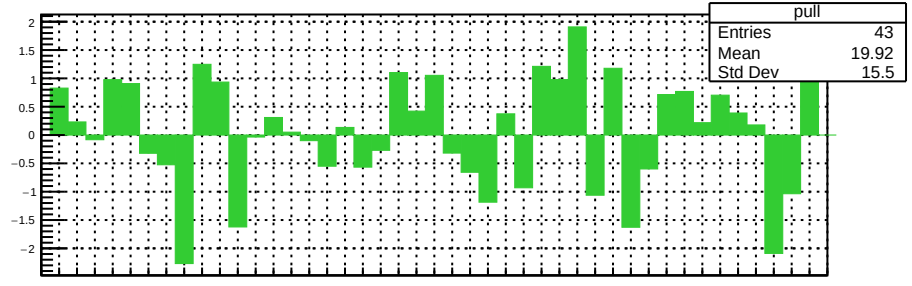

asym_usl_atl1_avg_rms vs run
χ² / ndf 176.2 / 42
p0 1660 ± 1.78
1740
1720
1700
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

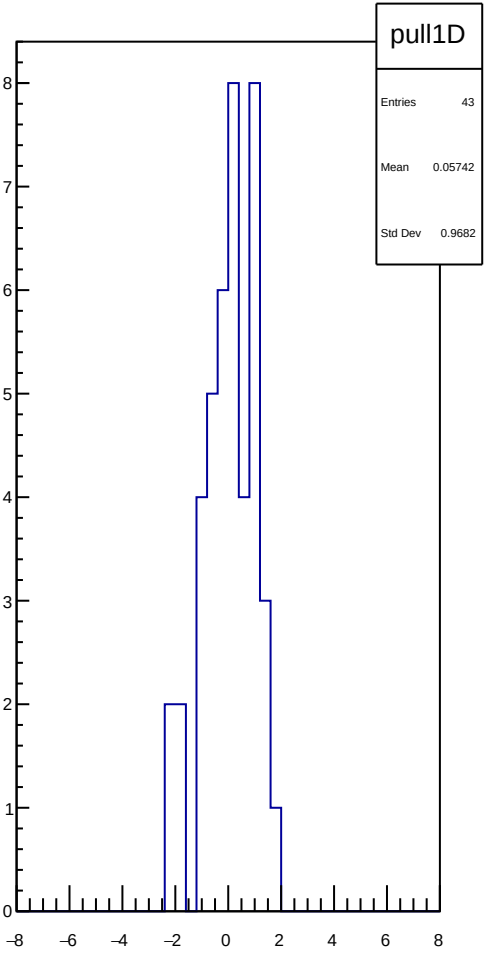

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.31 / 42
p0 −1.646e−13 ± 1.257e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −14.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0682
Std Dev 0.9164
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

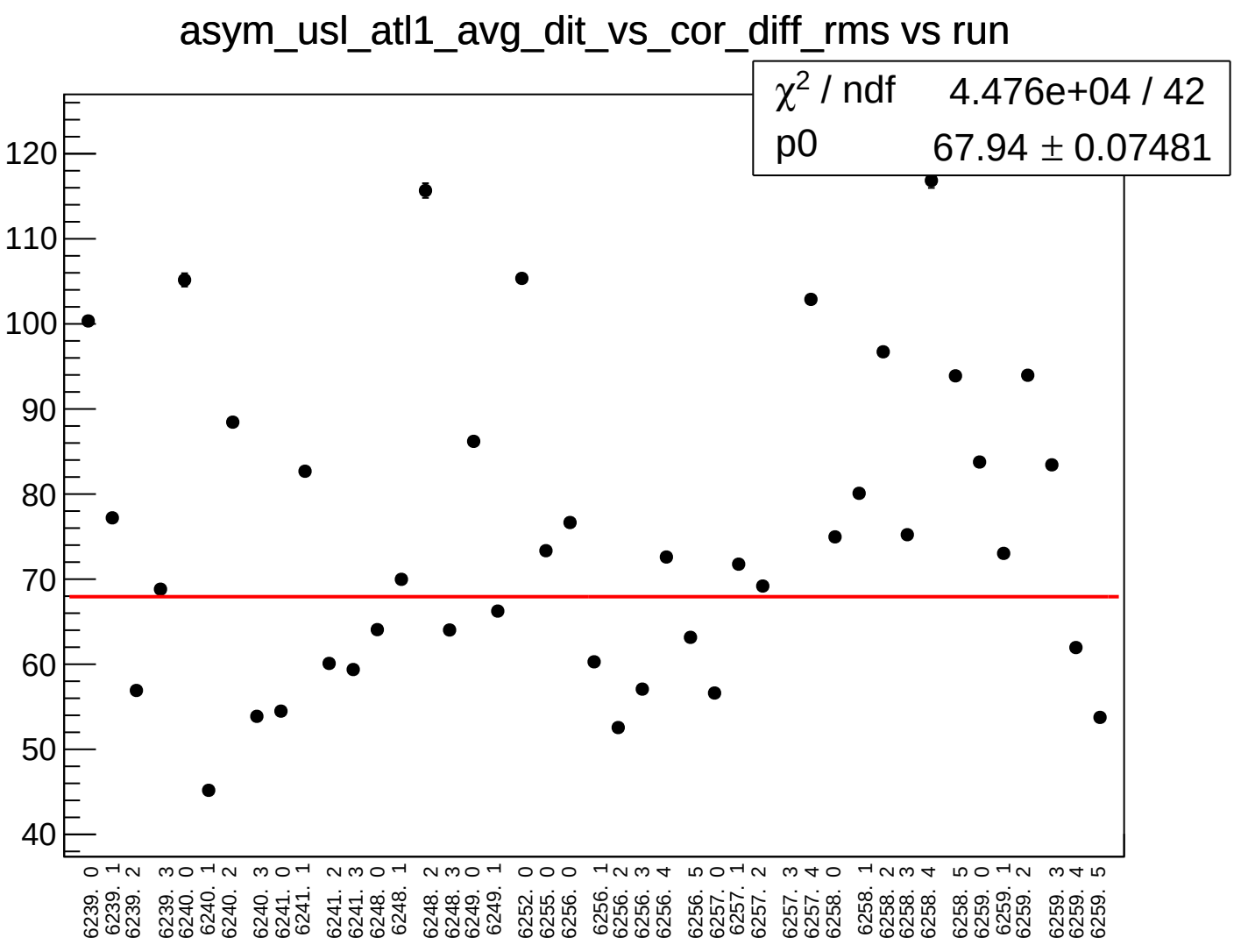

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.151e+05 / 42
p0 4.484e−11 ± 8.89e−14
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

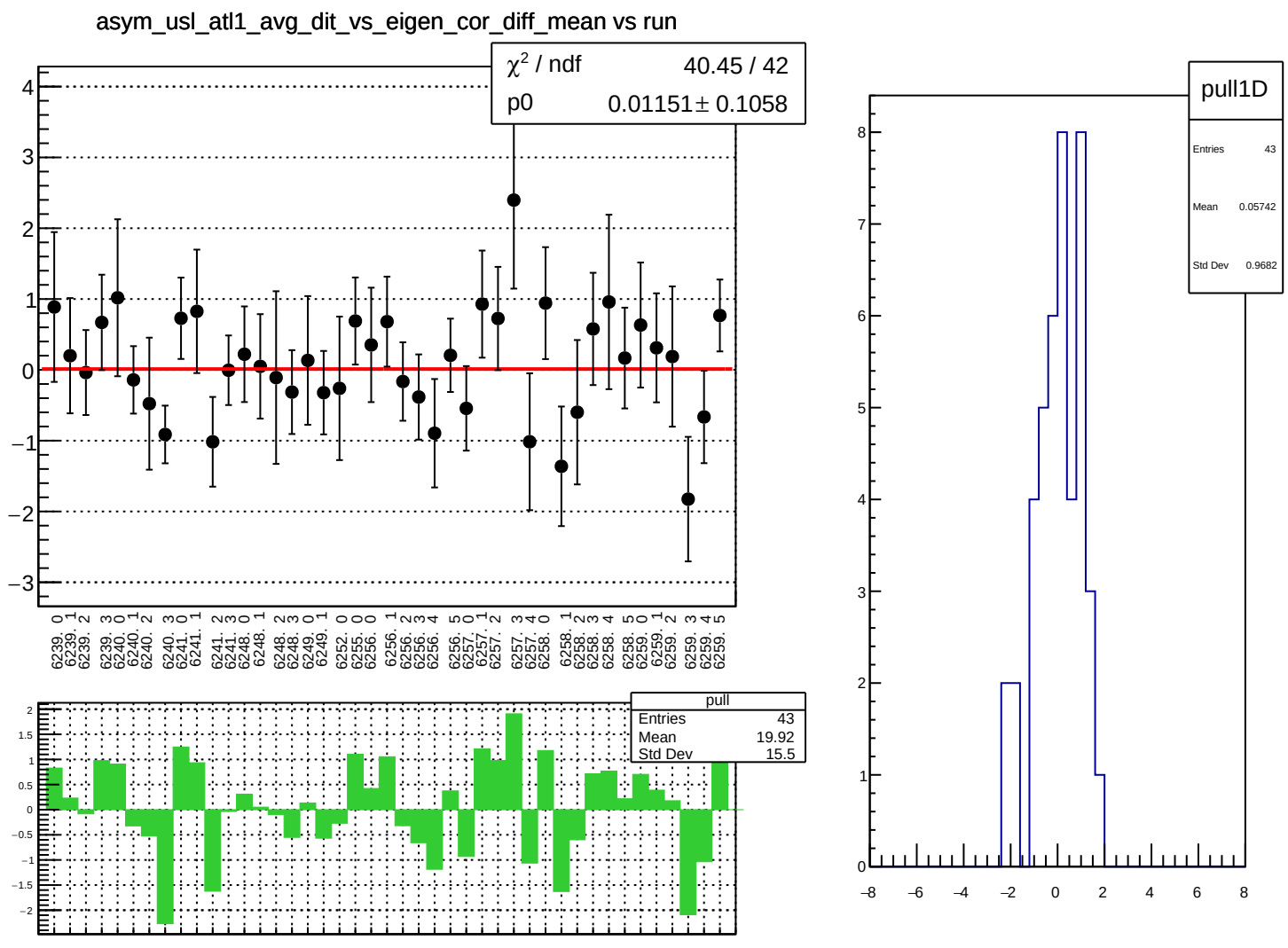
asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run

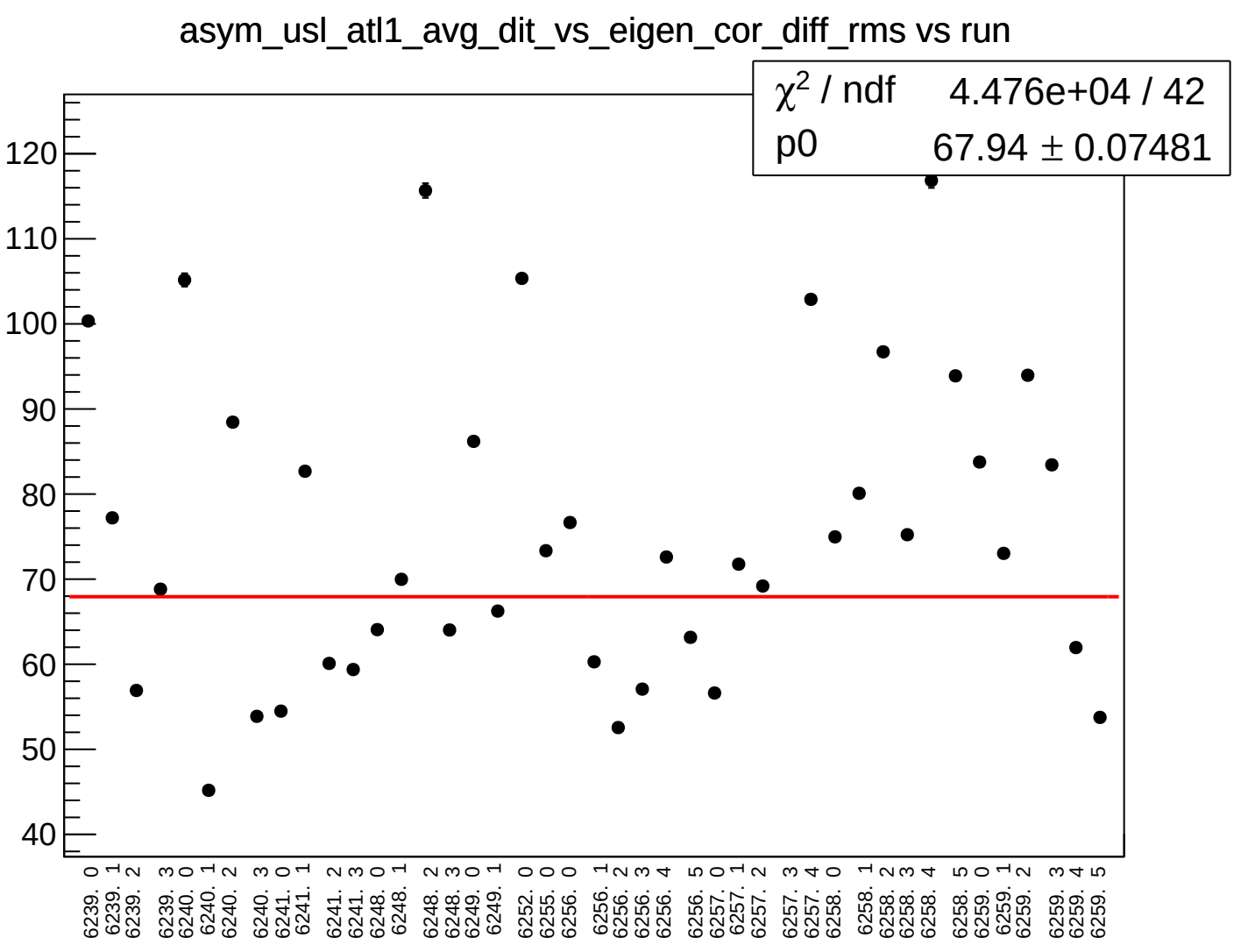


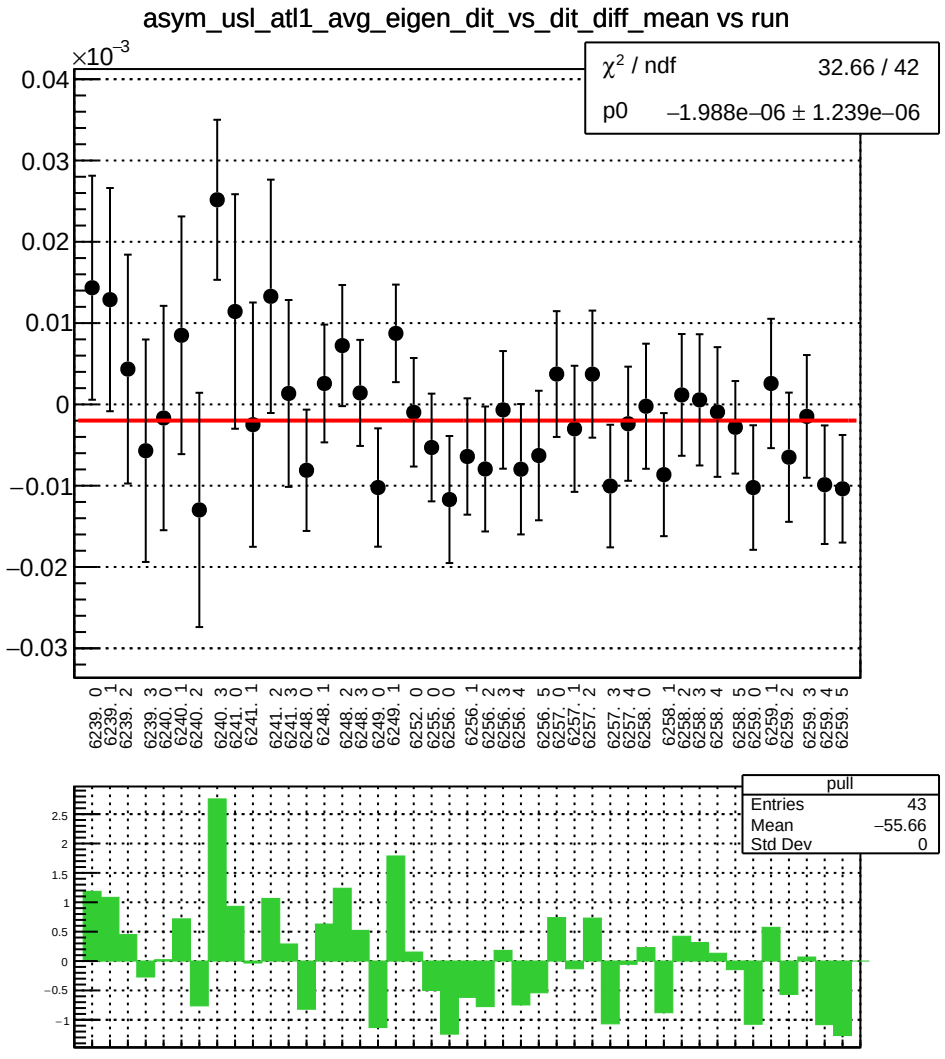



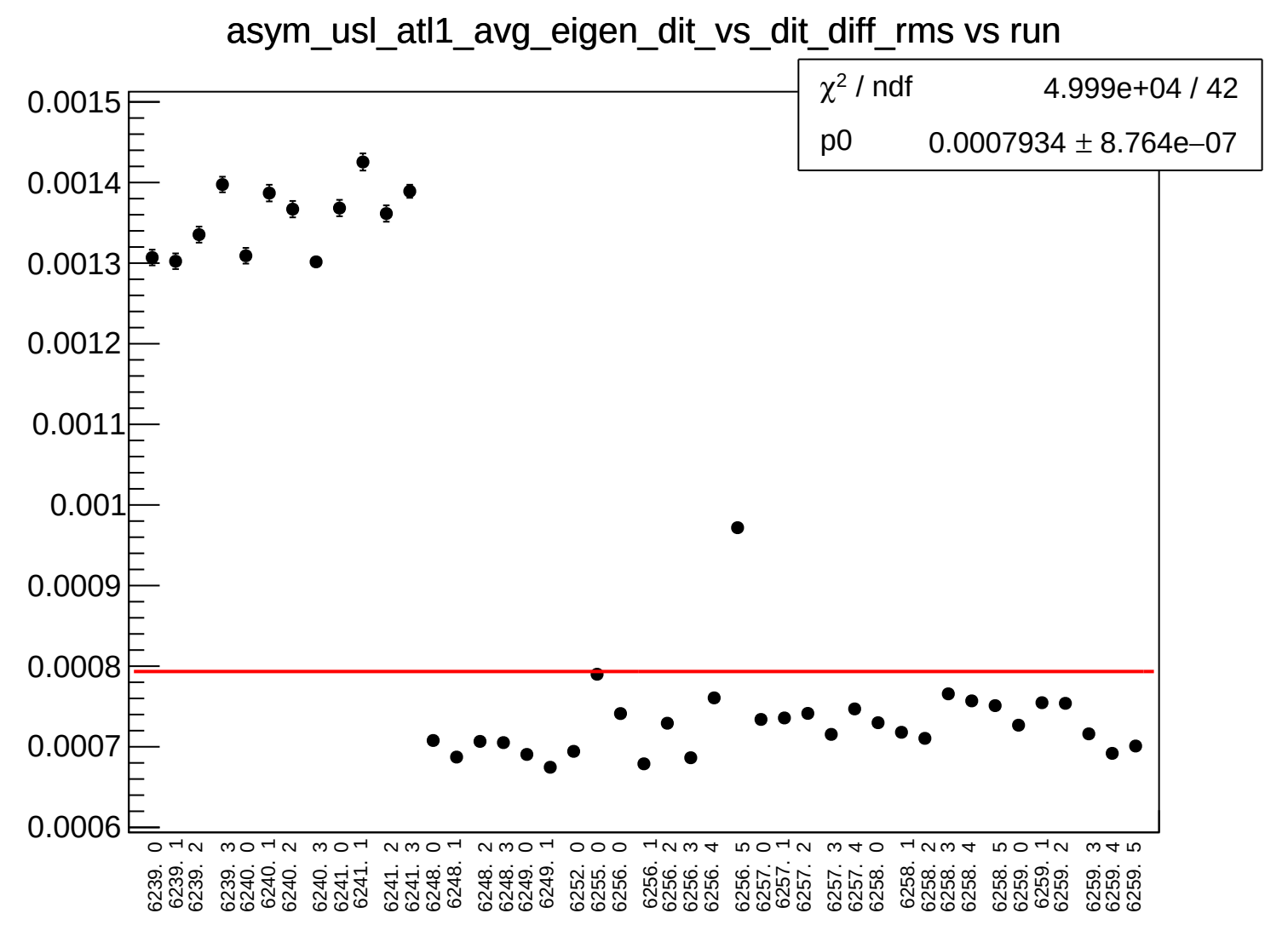



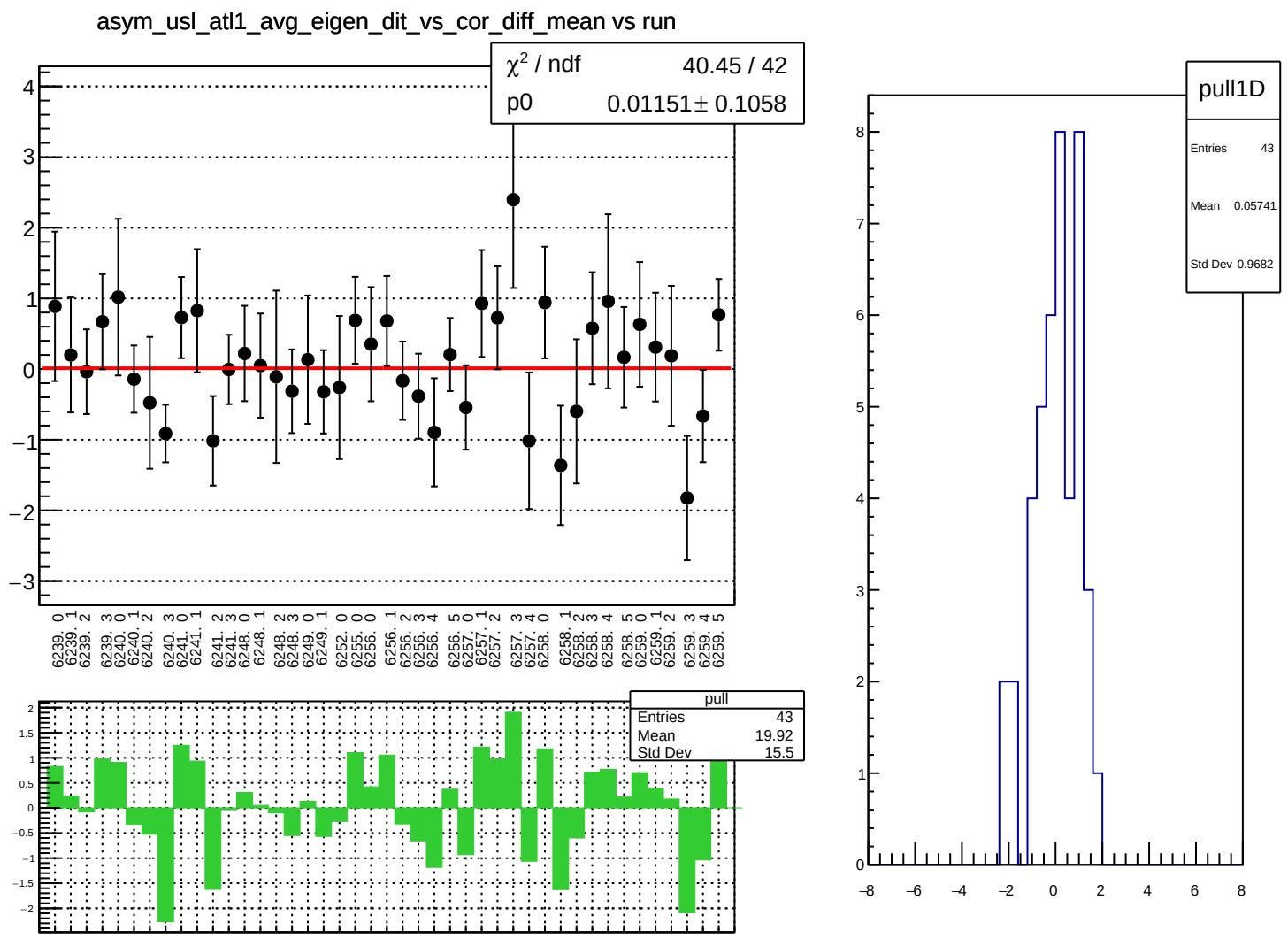

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.476e+04 / 42
p0 67.94 ± 0.07481
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

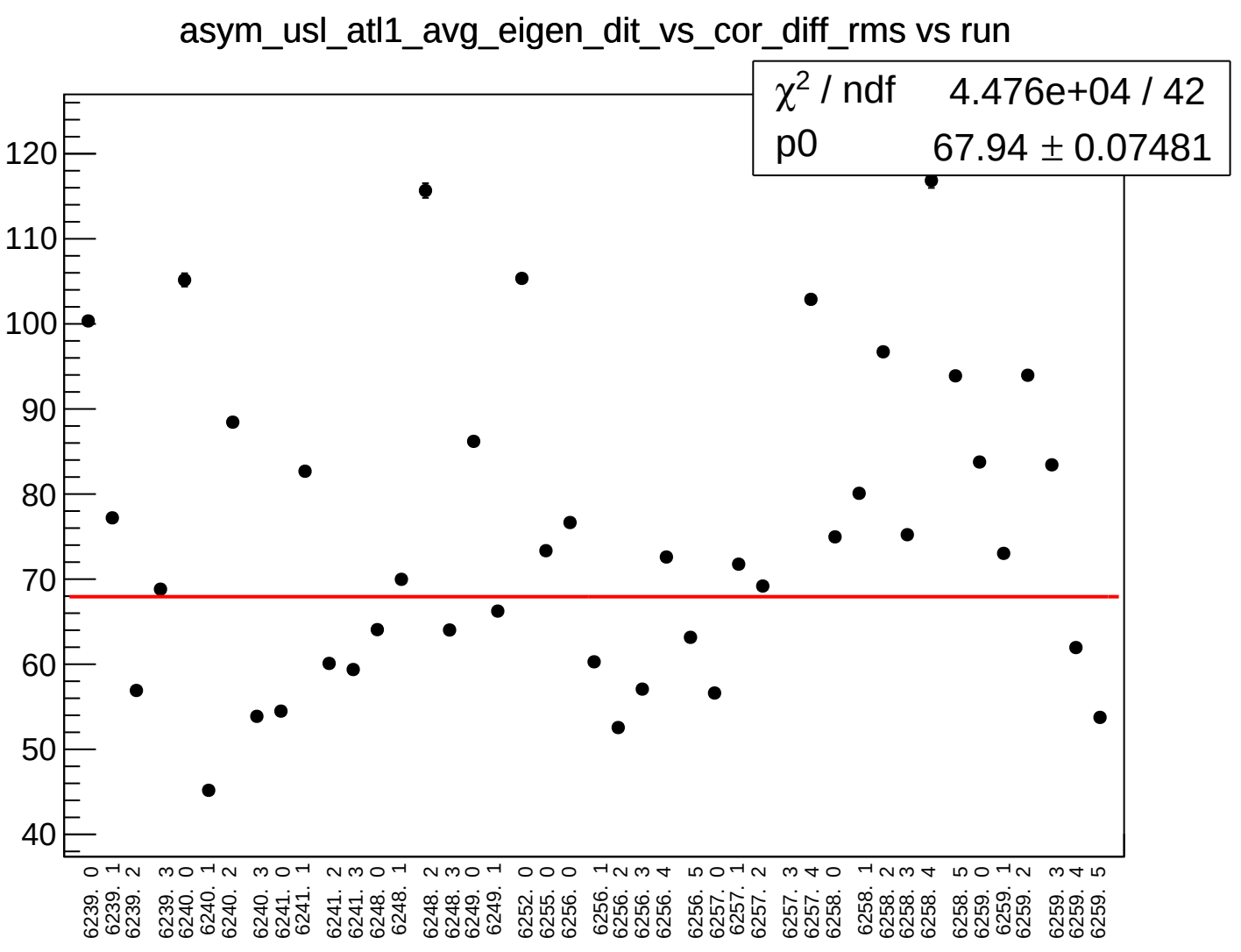

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.45 / 42
p0 0.01151 ± 0.1058
pull
Entries 43
Mean 19.92
Std Dev 15.5
pull1D
Entries 43
Mean 0.05742
Std Dev 0.9682

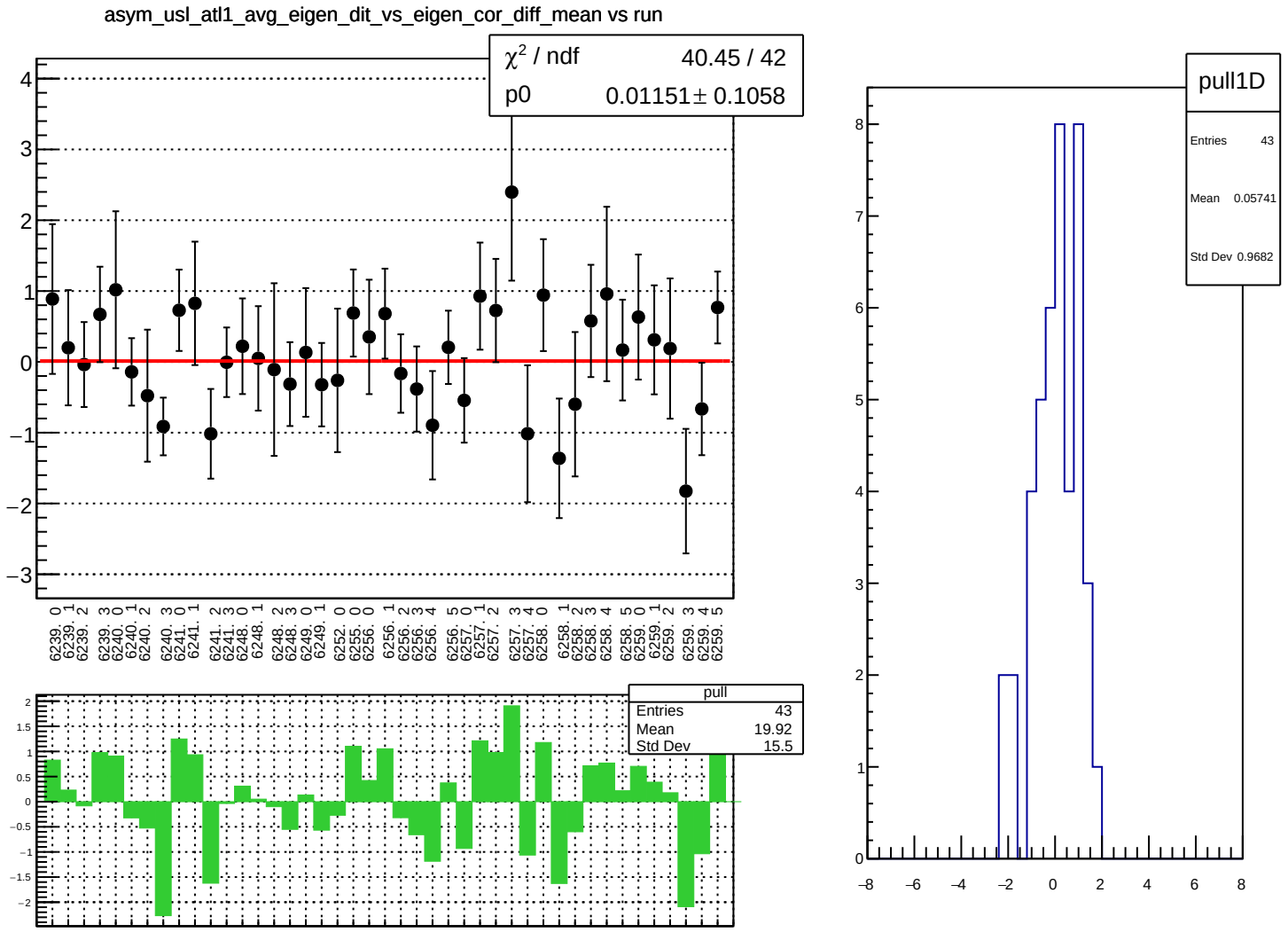

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.476e+04 / 42
p0 67.94 ± 0.07481
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

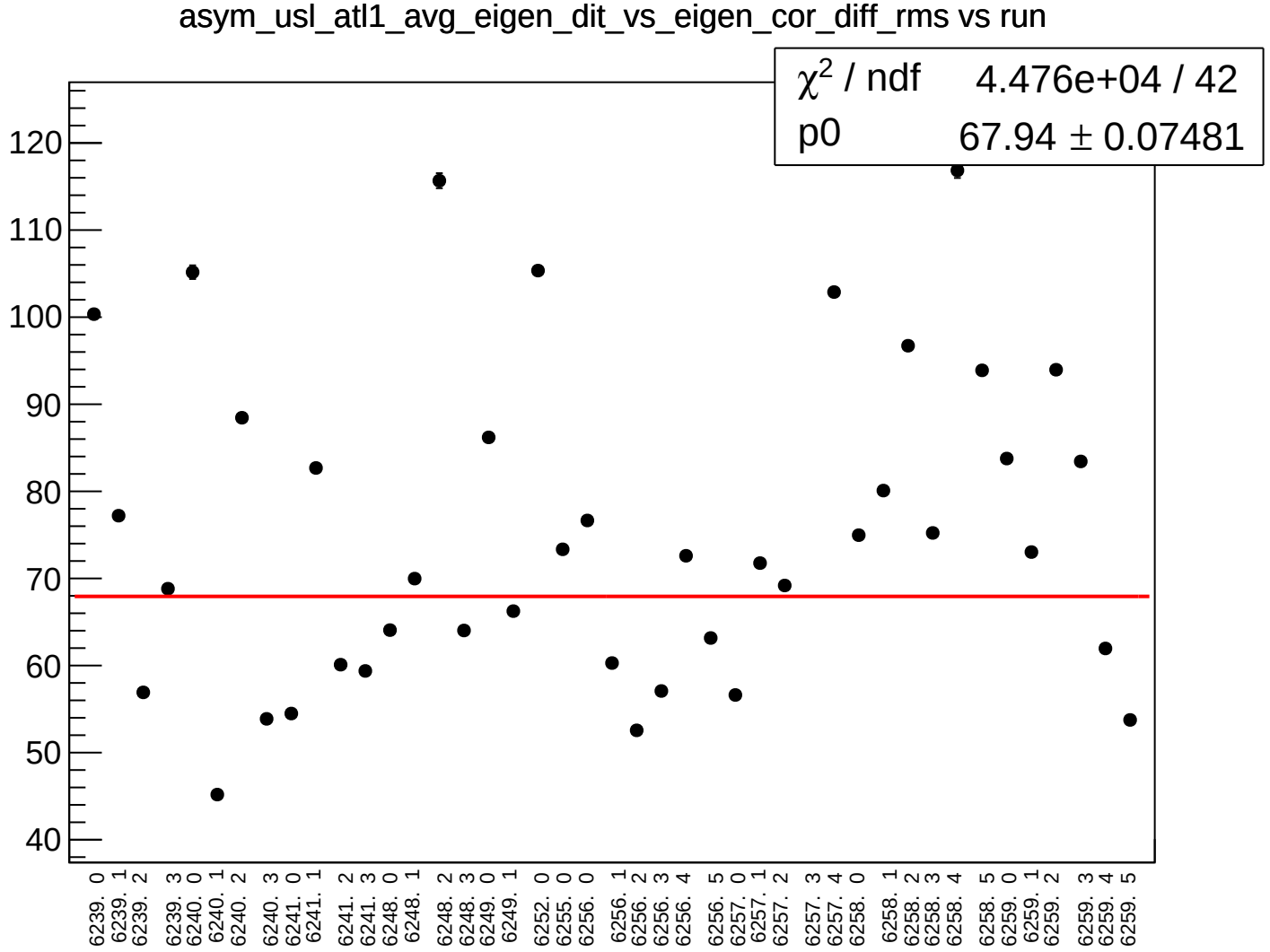

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.66 / 42
p0 −1.988e−06 ± 1.239e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −55.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.05841
Std Dev 0.8695
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

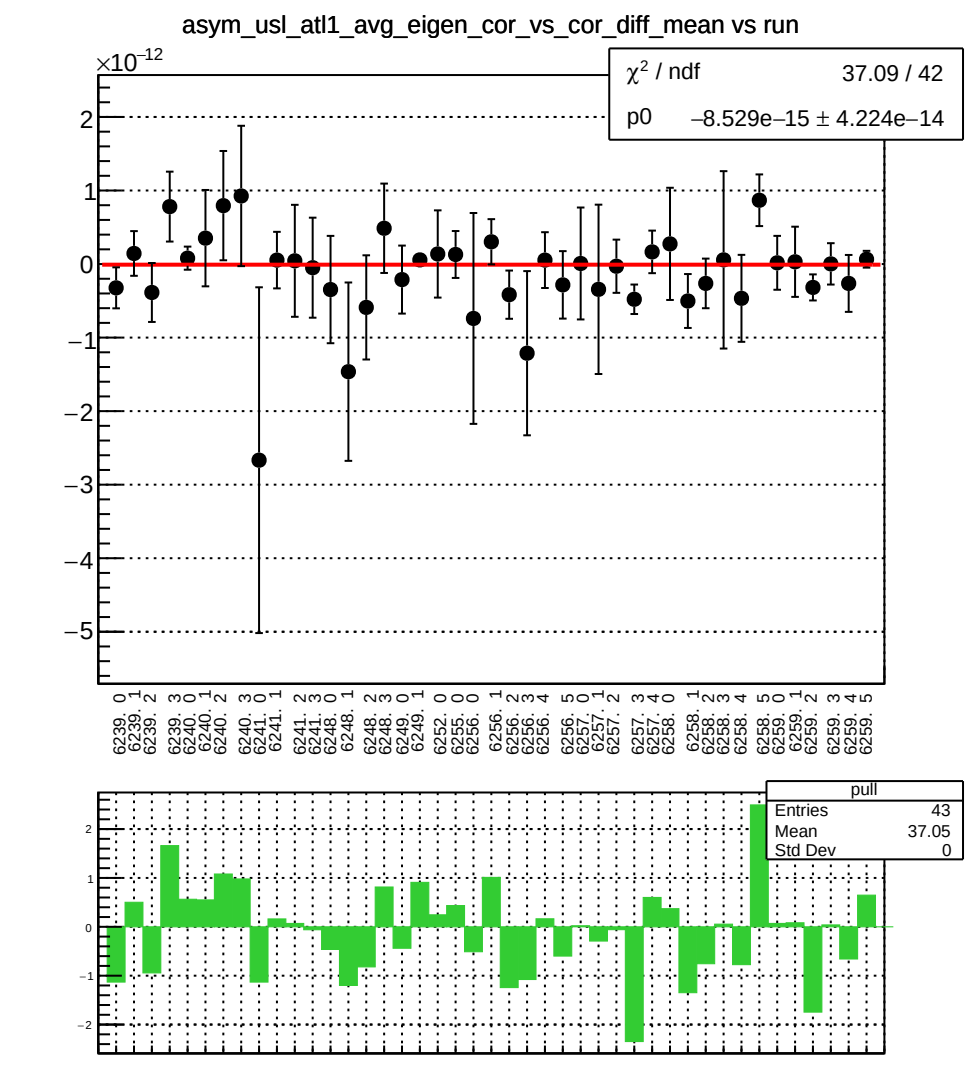

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.999e+04 / 42
p0 0.0007934 ± 8.764e−07
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

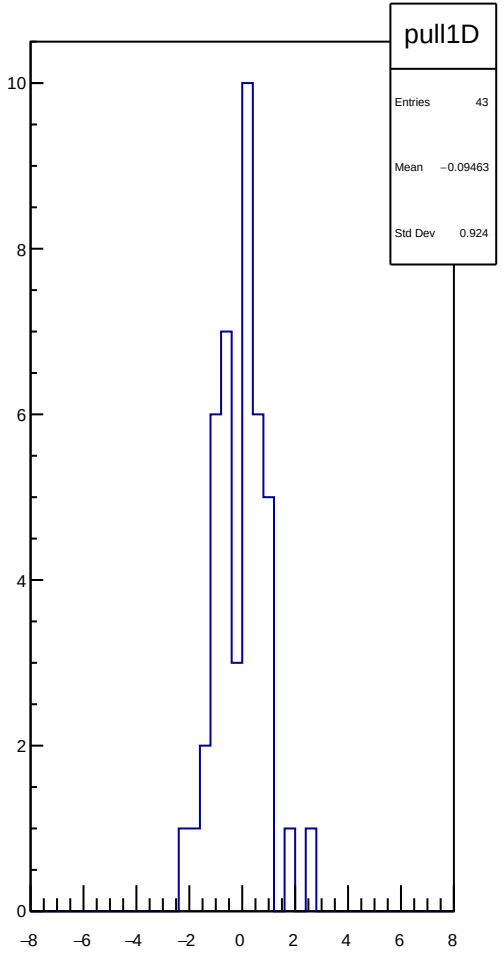

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.45 / 42
p0 0.01151 ± 0.1058
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.92
Std Dev 15.5
pull1D
Entries 43
Mean 0.05741
Std Dev 0.9682

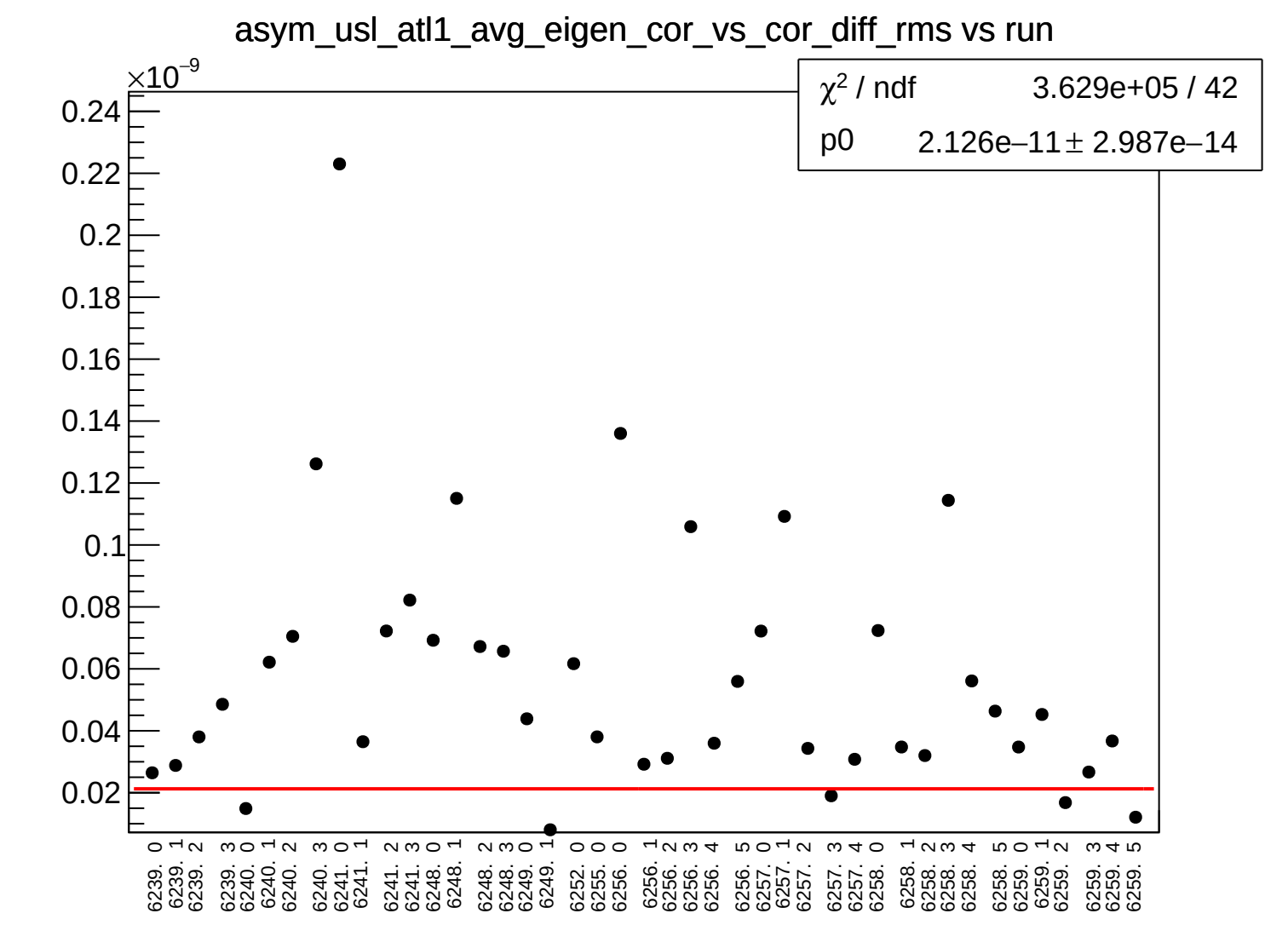

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 4.476e+04 / 42
p0 67.94 ± 0.07481
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

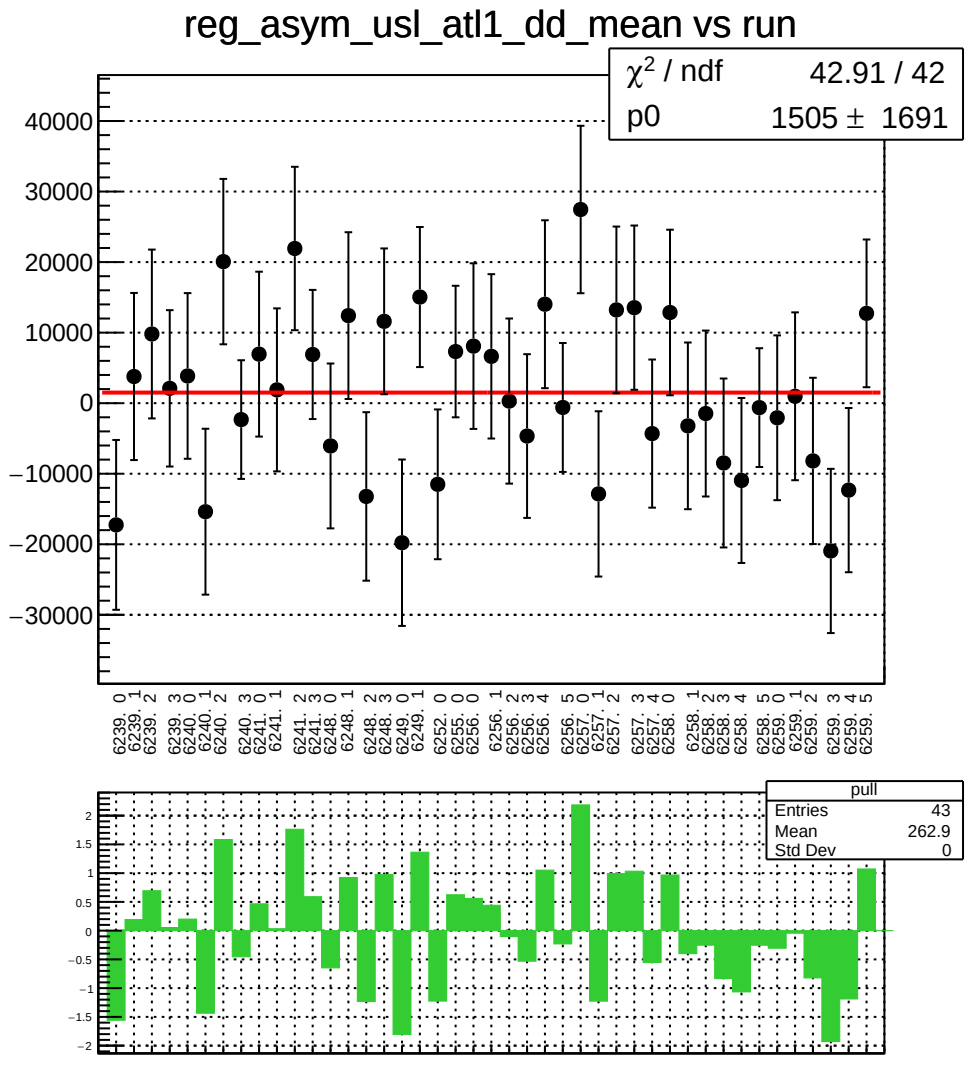

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.45 / 42
p0 0.01151 ± 0.1058
pull
Entries 43
Mean 19.92
Std Dev 15.5
pull1D
Entries 43
Mean 0.05741
Std Dev 0.9682

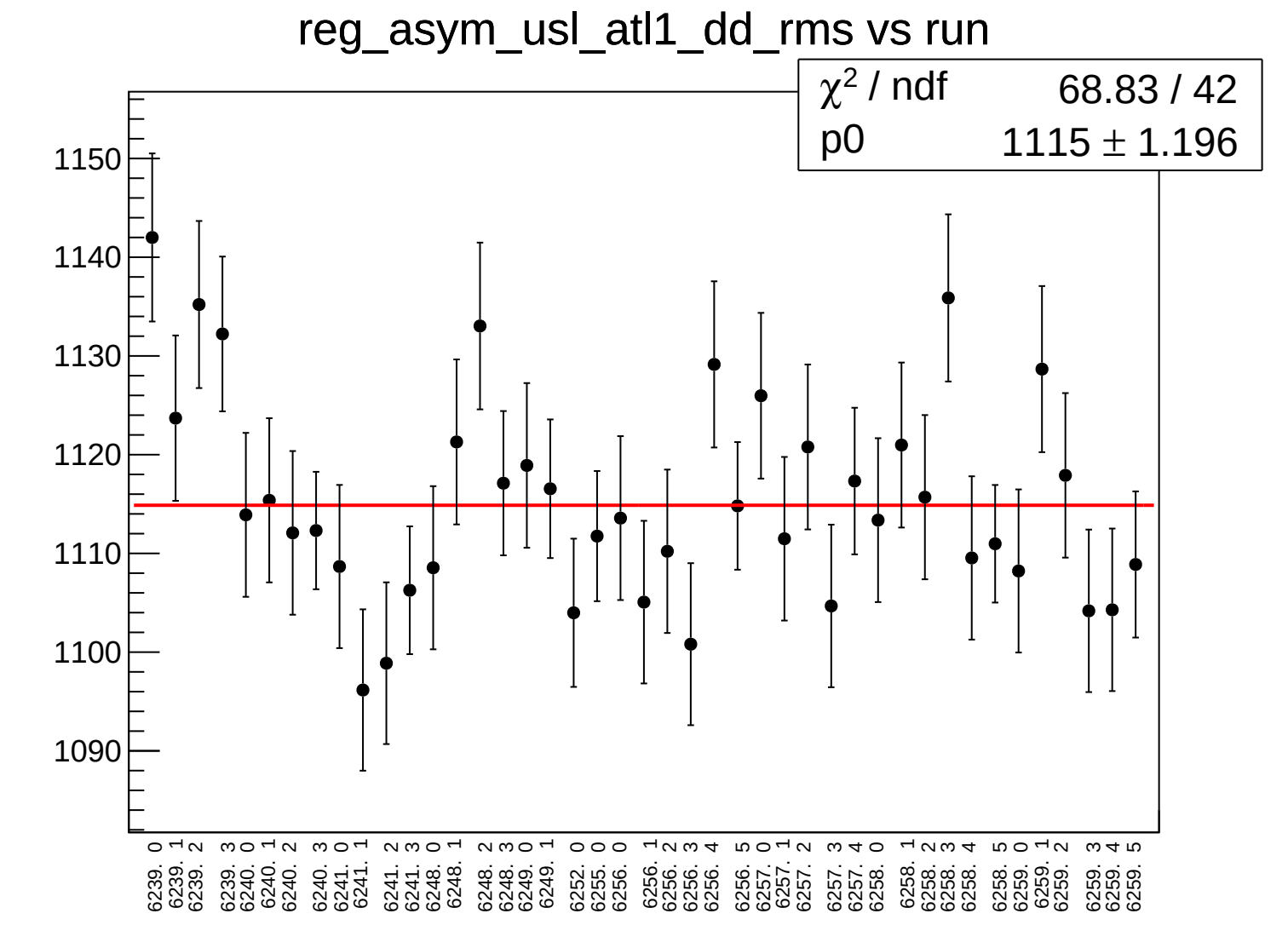

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 4.476e+04 / 42
p0 67.94 ± 0.07481
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

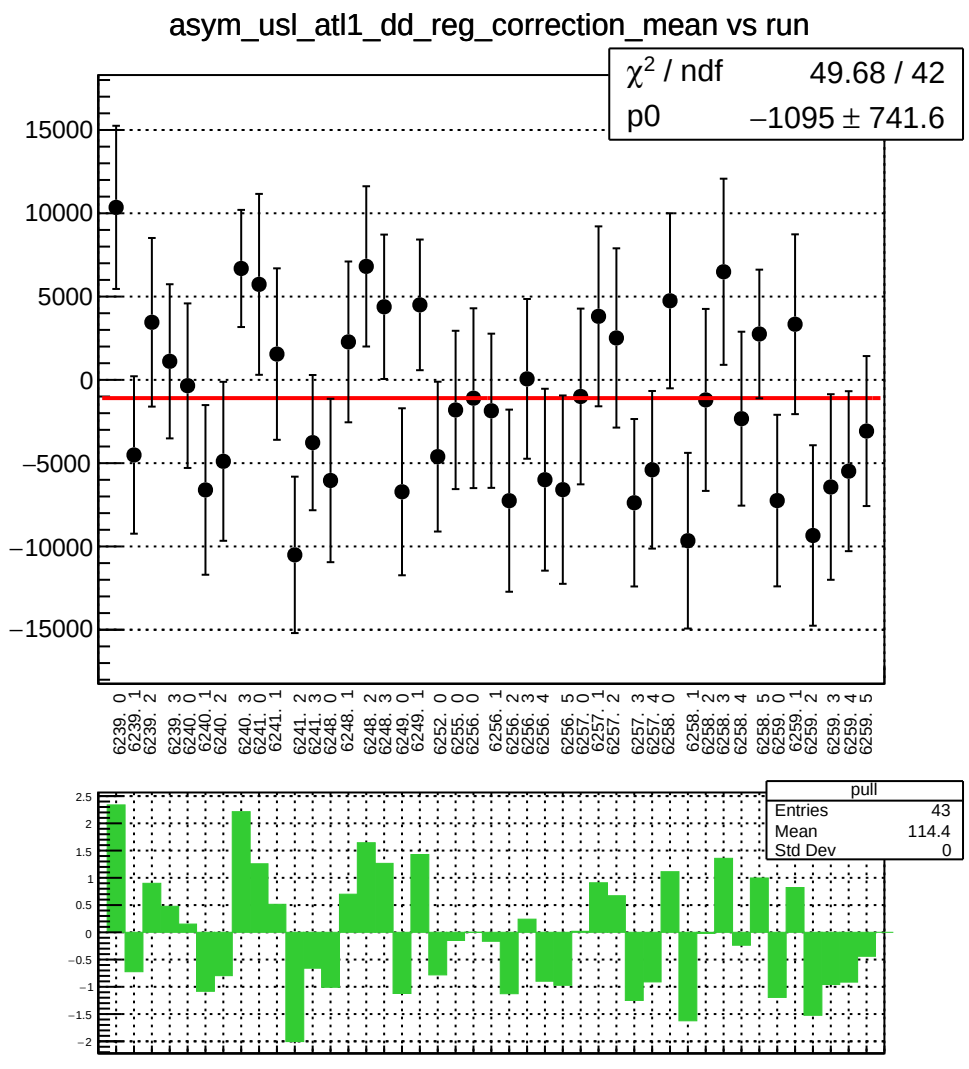

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.09 / 42
p0 −8.529e−15 ± 4.224e−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 37.05
Std Dev 0

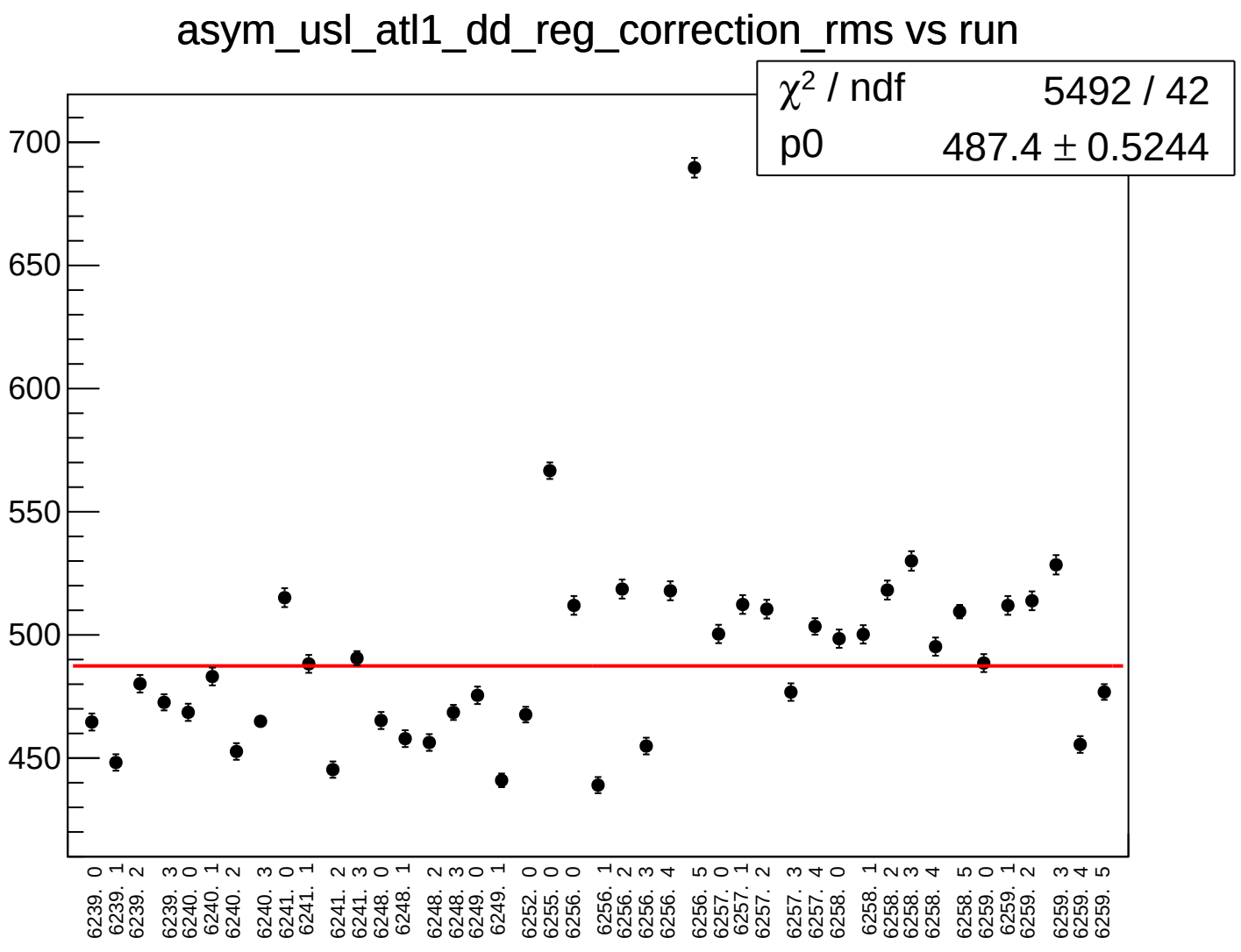

pull1D
Entries 43
Mean −0.09463
Std Dev 0.924

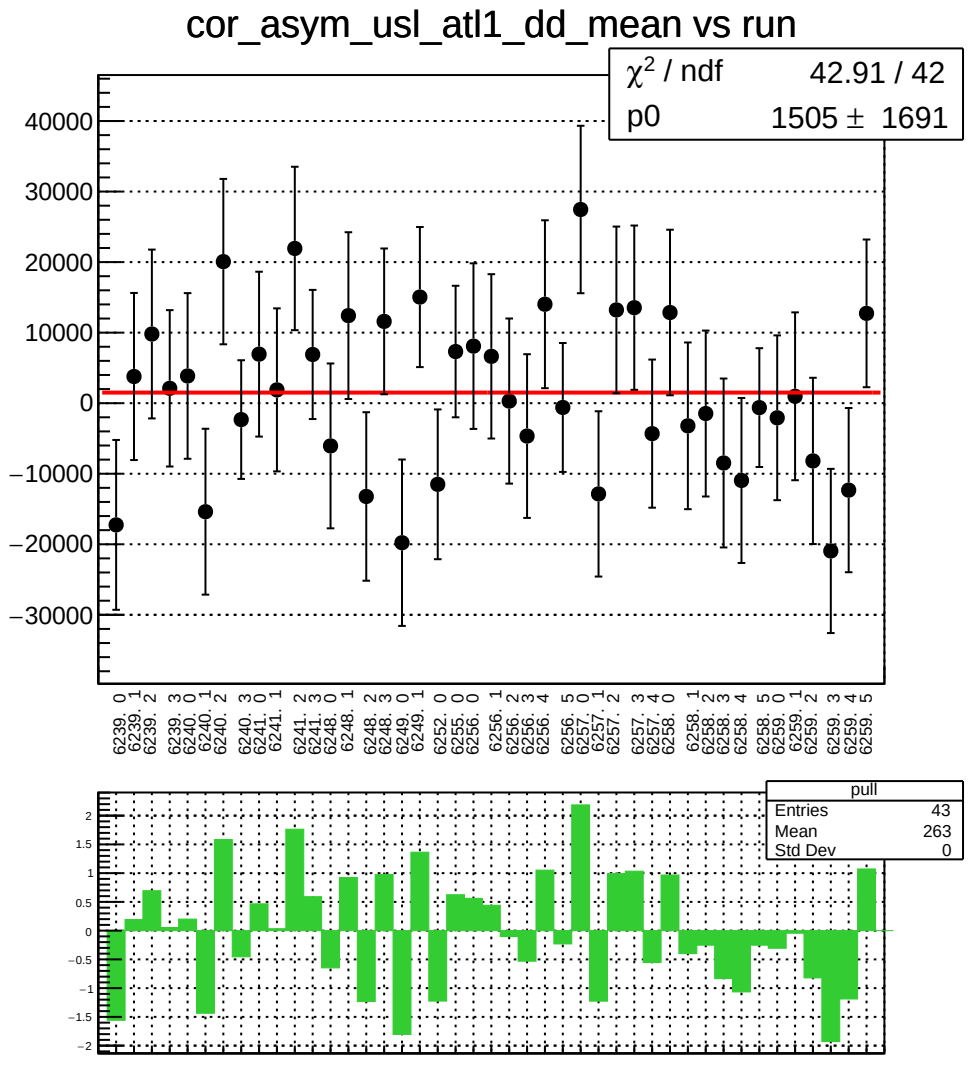

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.629e+05 / 42
p0 2.126e−11 ± 2.987e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

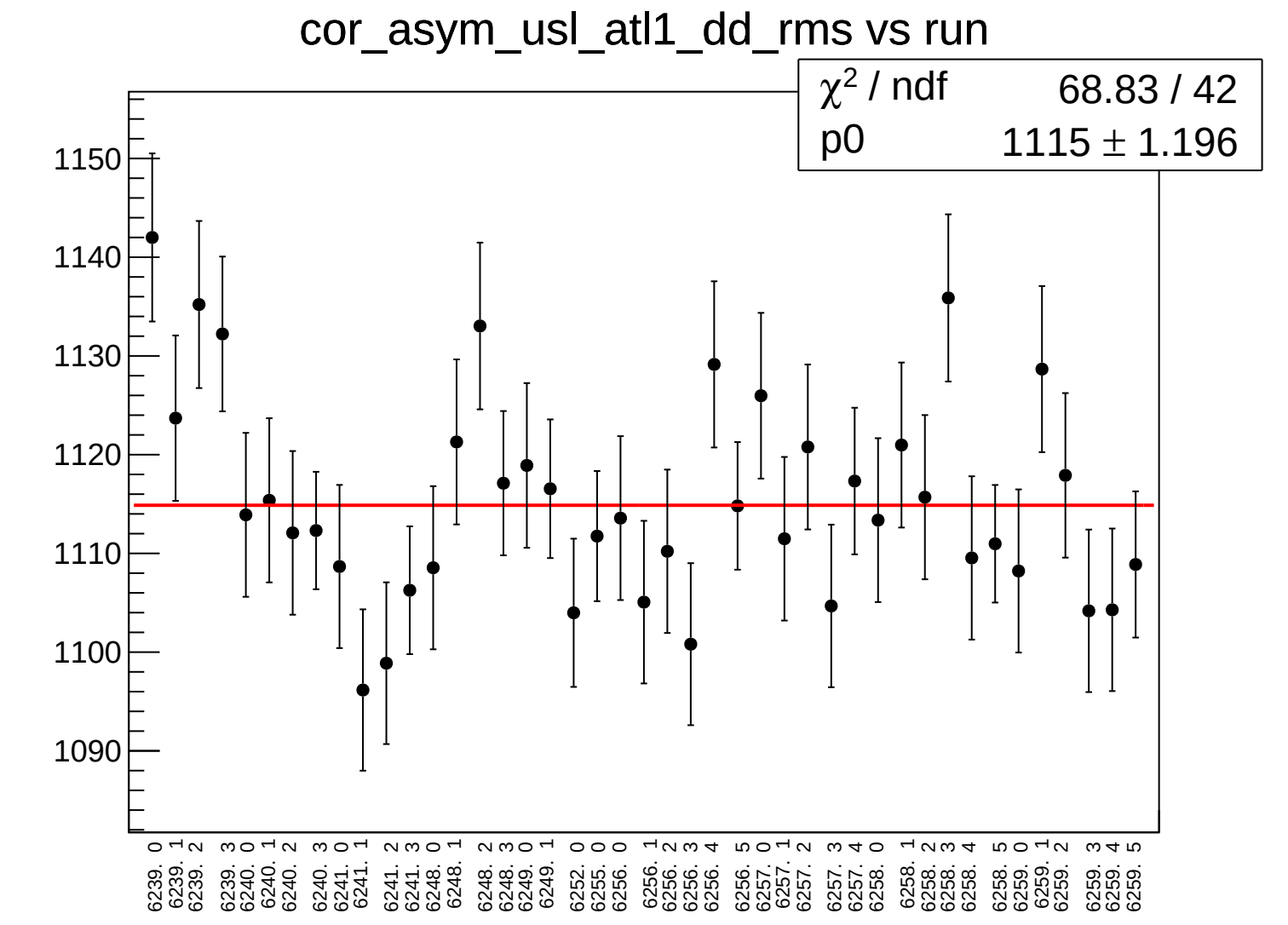

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 42.91 / 42
p0 1505 ± 1691
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 262.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.007608
Std Dev 0.9989
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

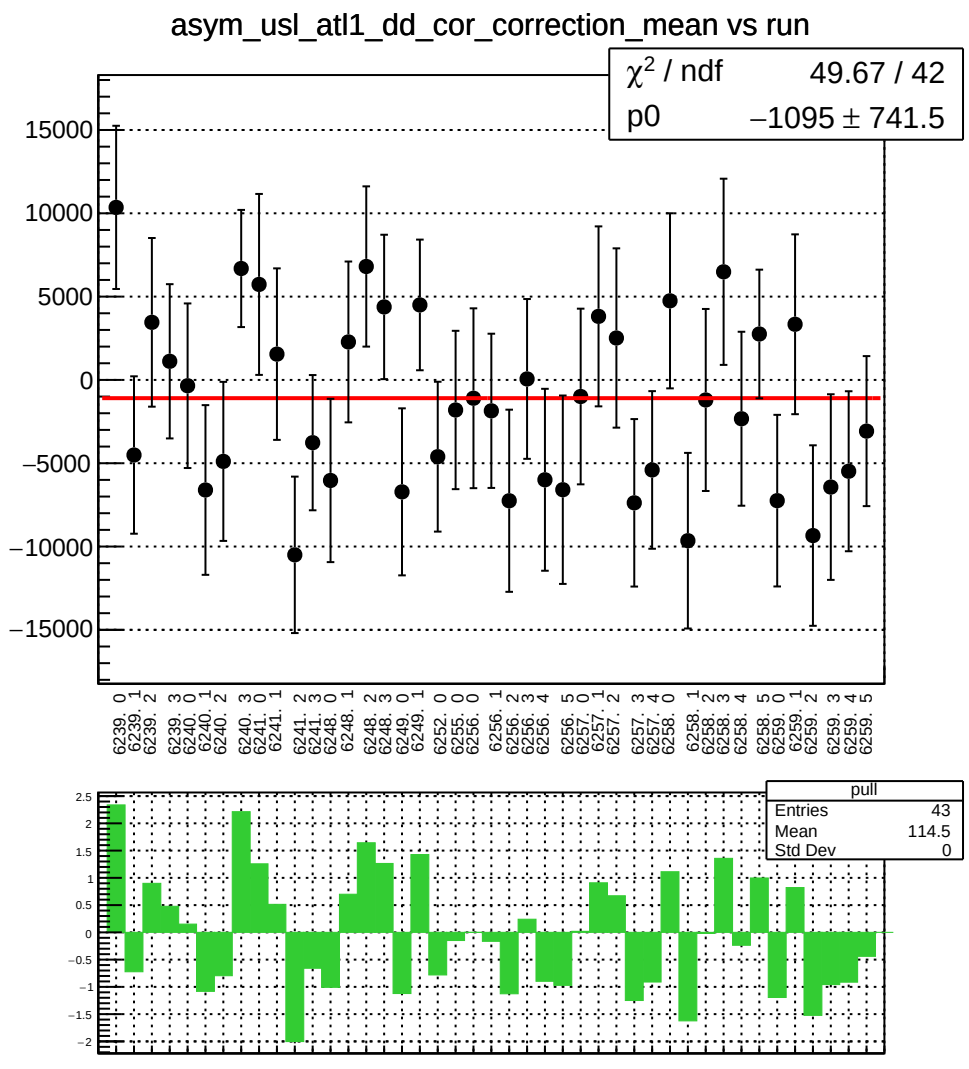

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 68.83 / 42
p0 1115 ± 1.196
1150
1140
1130
1120
1110
1100
1090
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

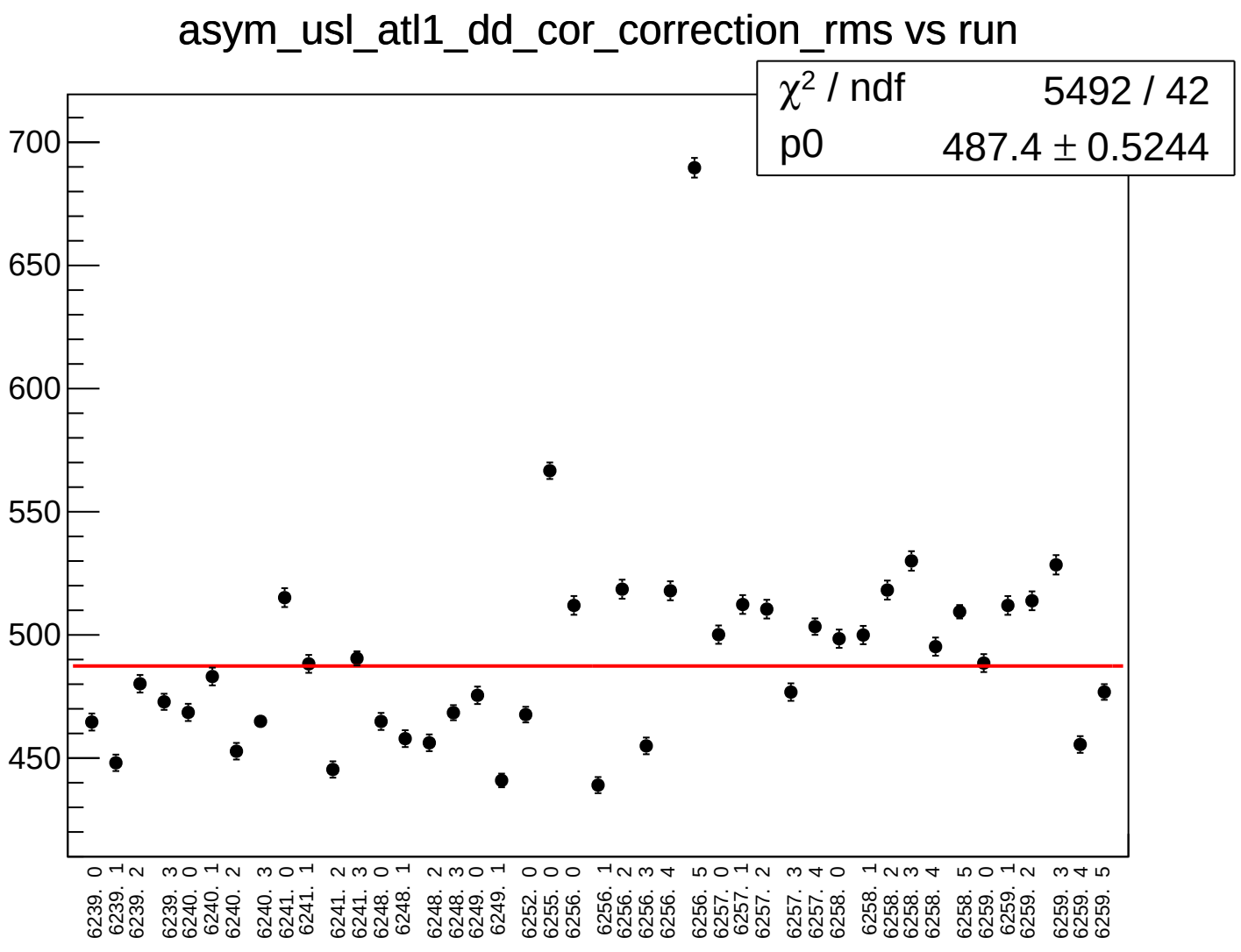

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 49.68 / 42
p0 −1095 ± 741.6
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.03571
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

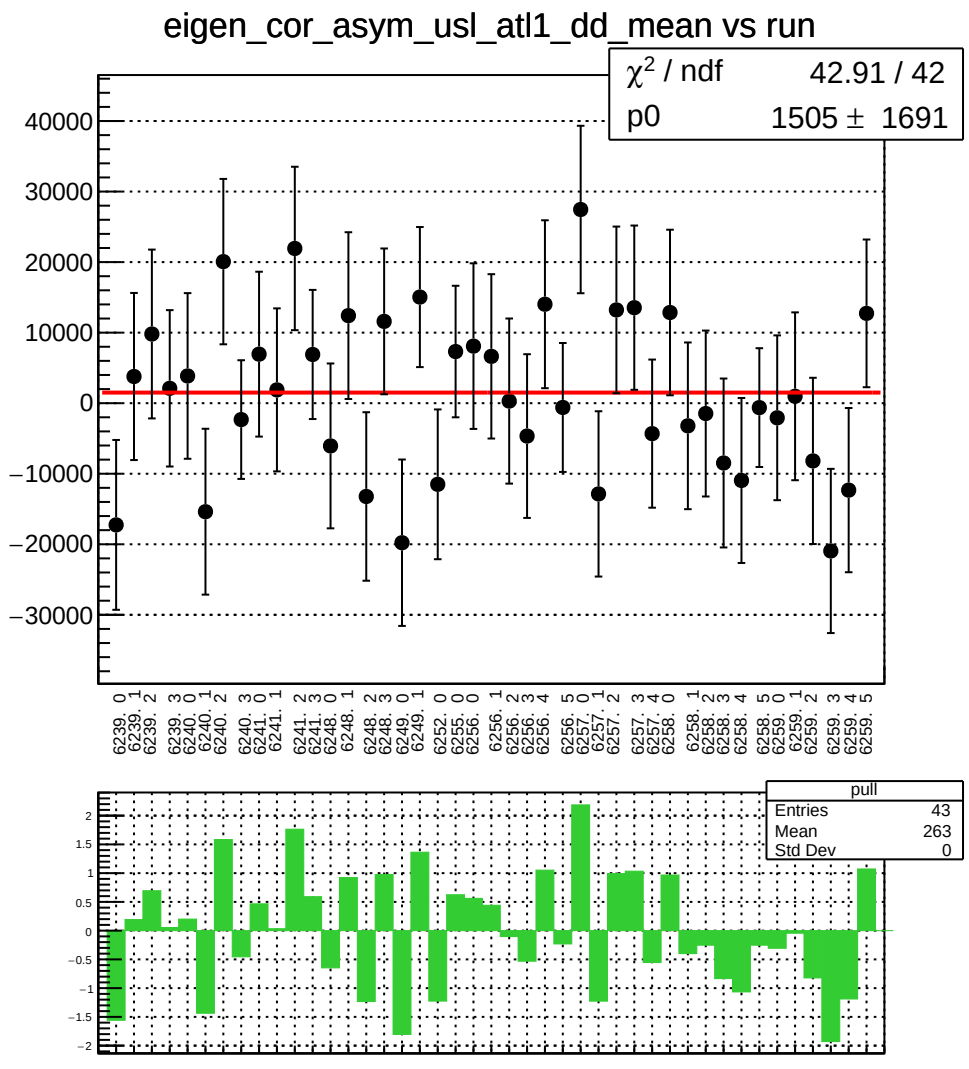

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 5492 / 42
p0 487.4 ± 0.5244
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

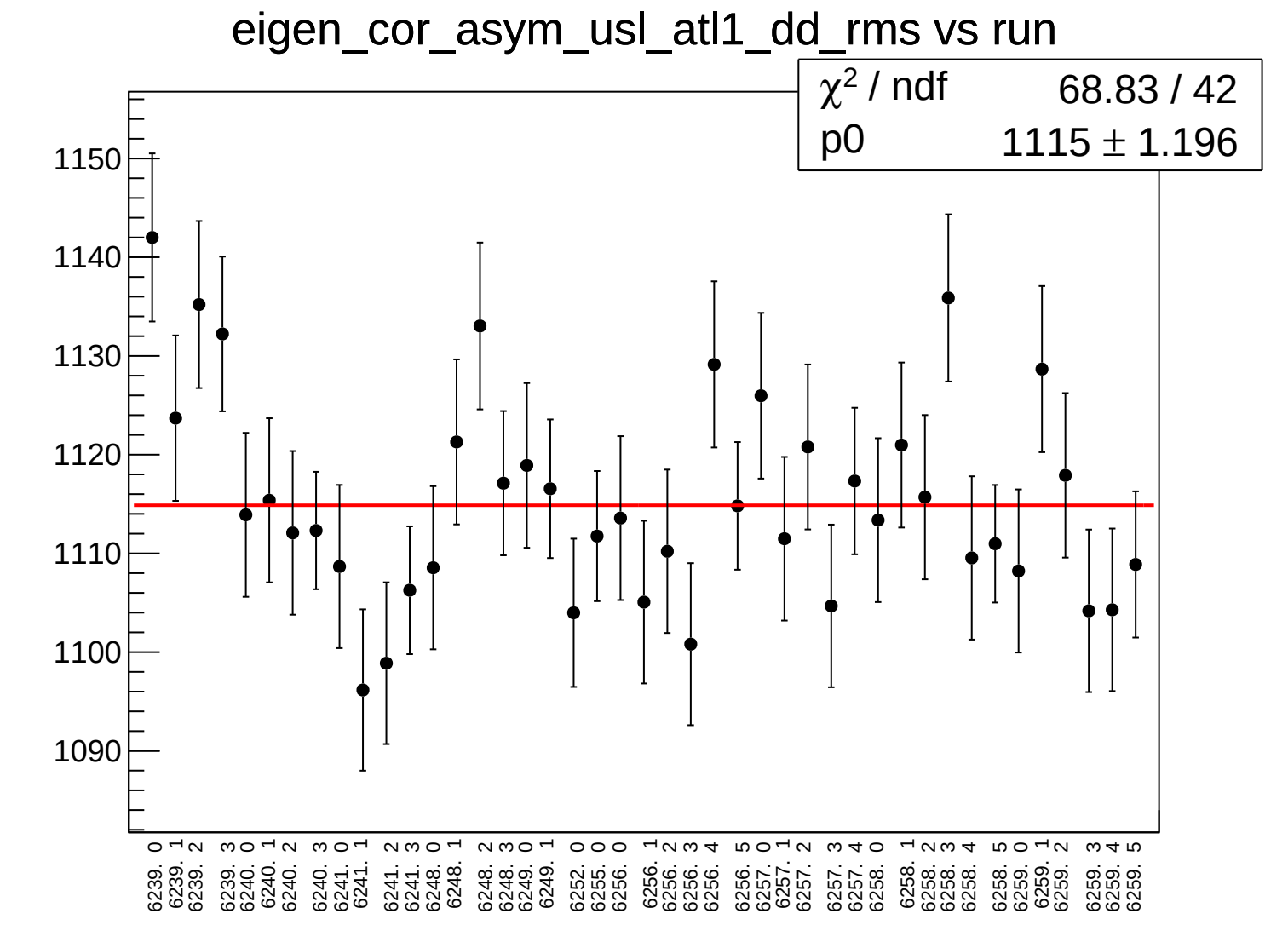

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 42.91 / 42
p0 1505 ± 1691
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 263
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.007607
Std Dev 0.9989
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

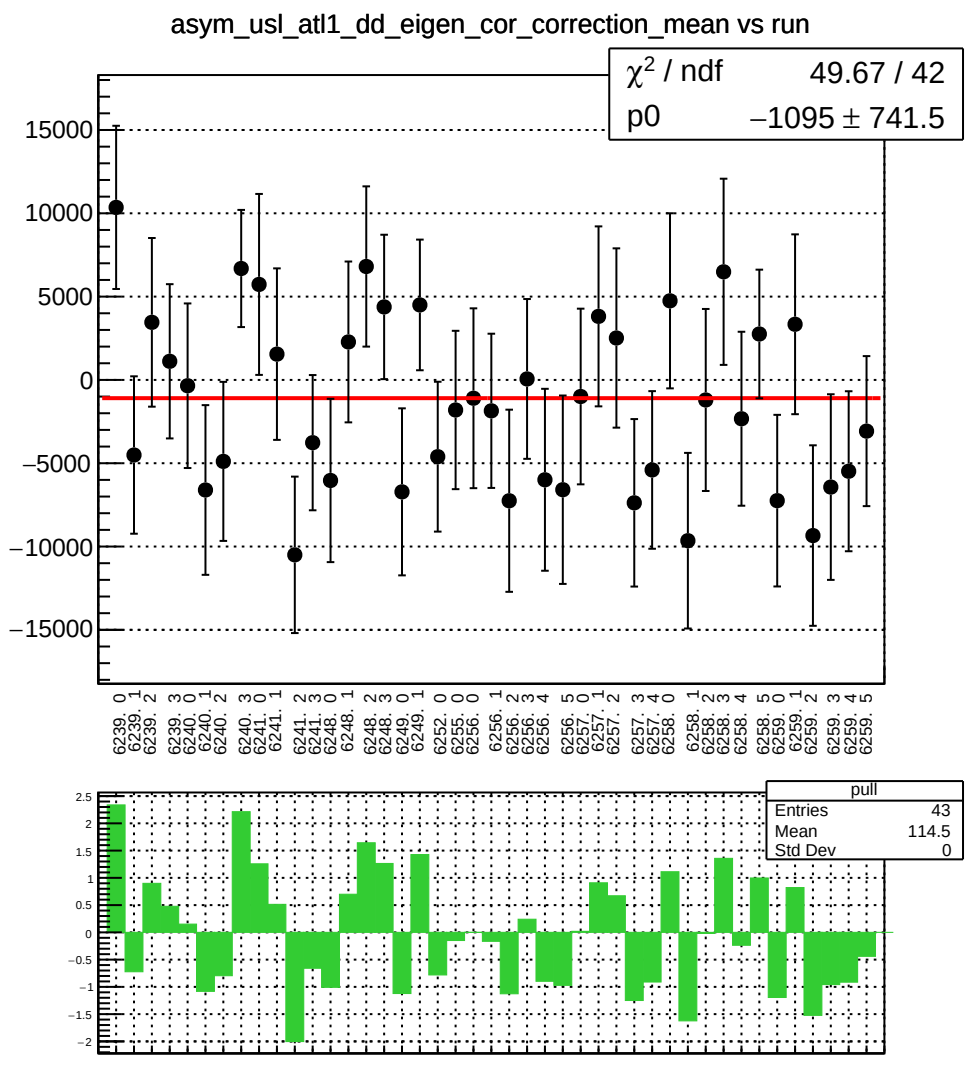

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 68.83 / 42
p0 1115 ± 1.196
1150
1140
1130
1120
1110
1100
1090
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

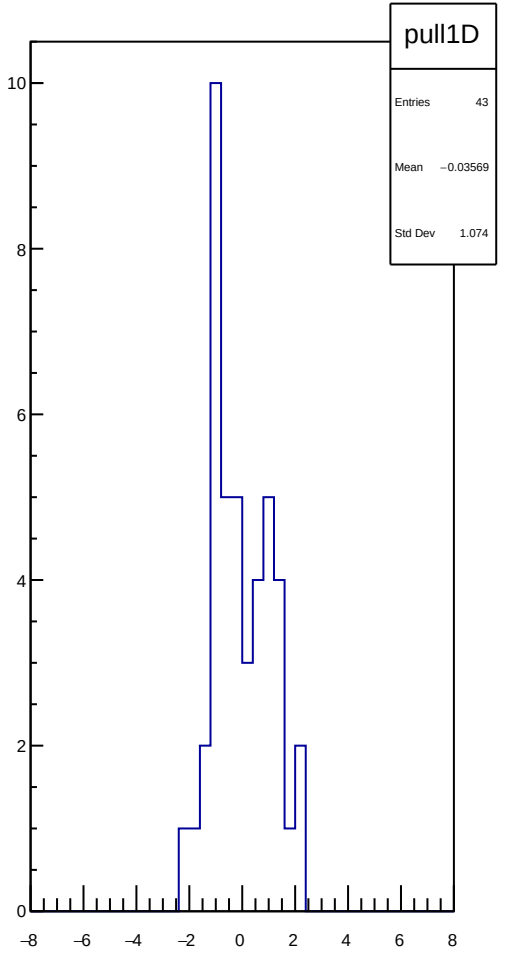

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 49.67 / 42
p0 −1095 ± 741.5
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.03569
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

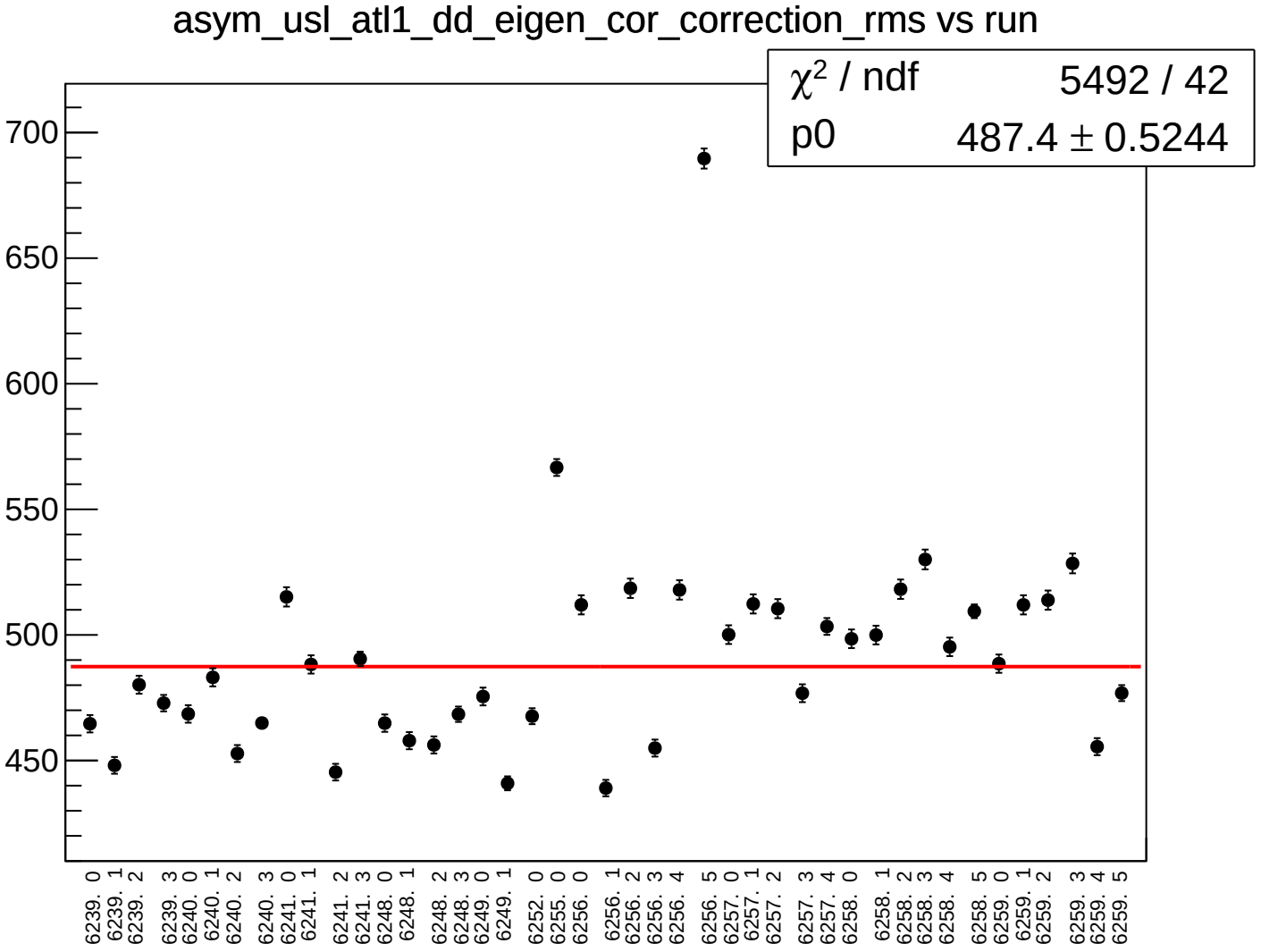

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 5492 / 42
p0 487.4 ± 0.5244
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

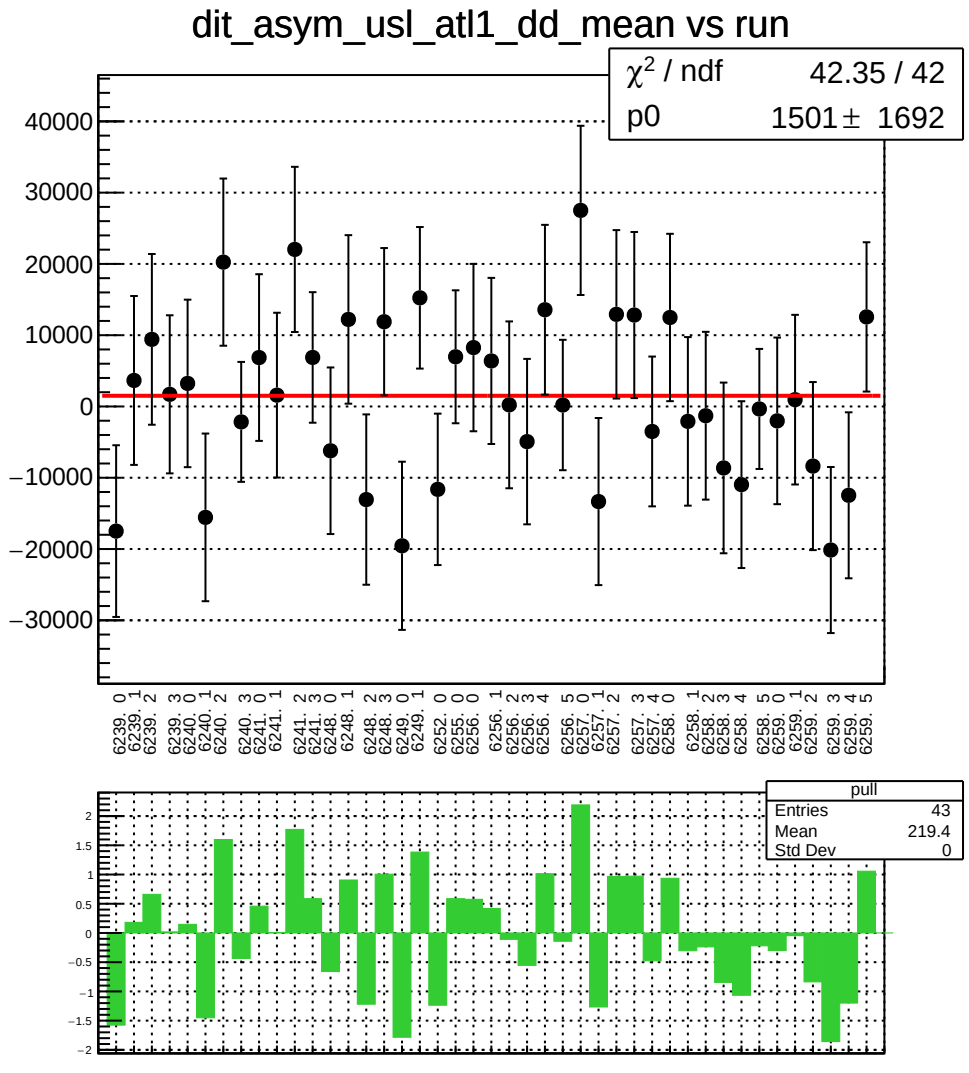

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 42.91 / 42
p0 1505 ± 1691
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 263
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.007607
Std Dev 0.9989
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

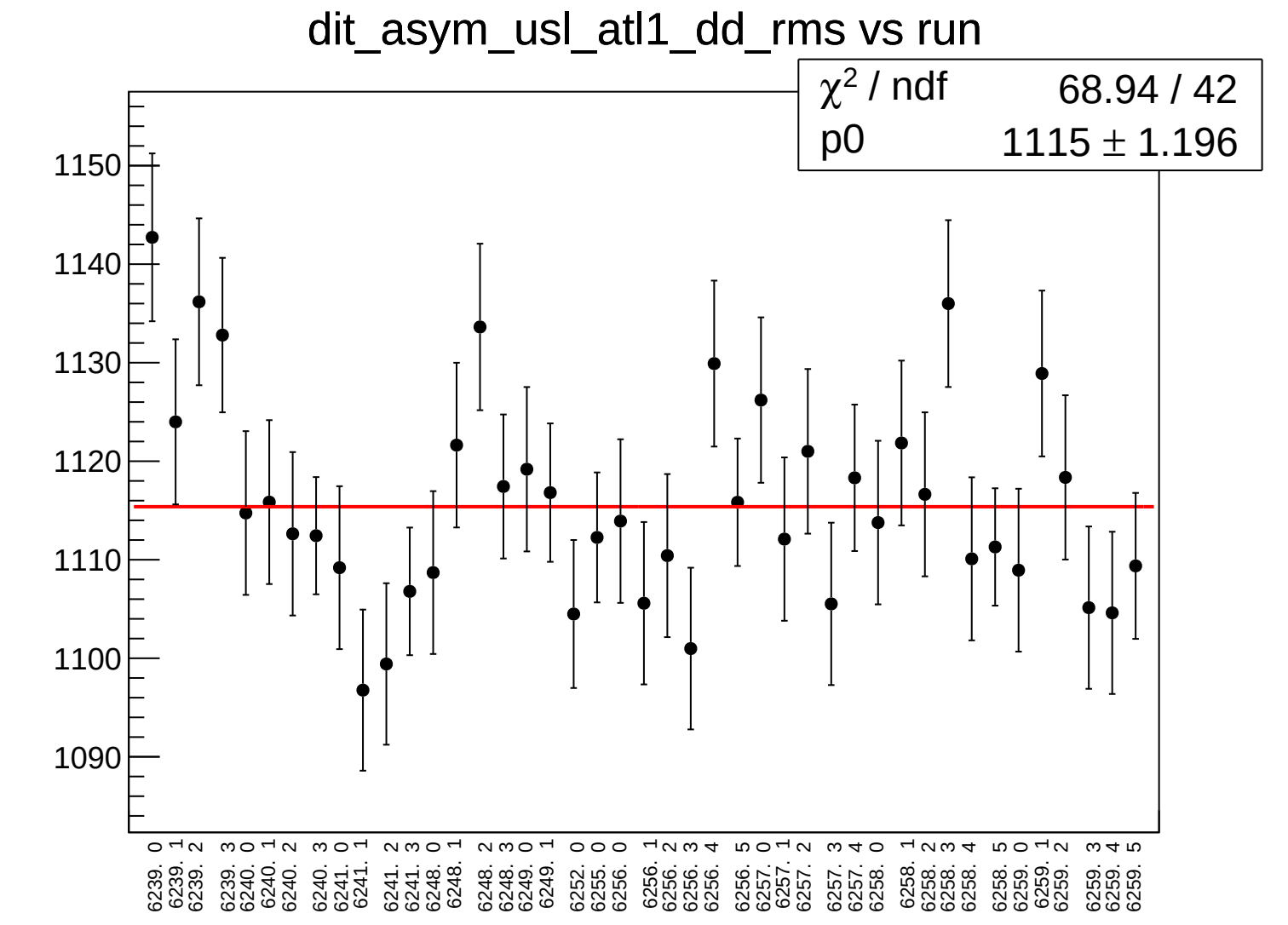

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 68.83 / 42
p0 1115 ± 1.196
1150
1140
1130
1120
1110
1100
1090
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.67 / 42
p0 −1095 ± 741.5
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.03569
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5492 / 42
p0 487.4 ± 0.5244
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 42.35 / 42
p0 1501 ± 1692
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 219.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008742
Std Dev 0.9923
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 68.94 / 42
p0 1115 ± 1.196
1150
1140
1130
1120
1110
1100
1090
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
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6255. 0
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6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
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6258. 1
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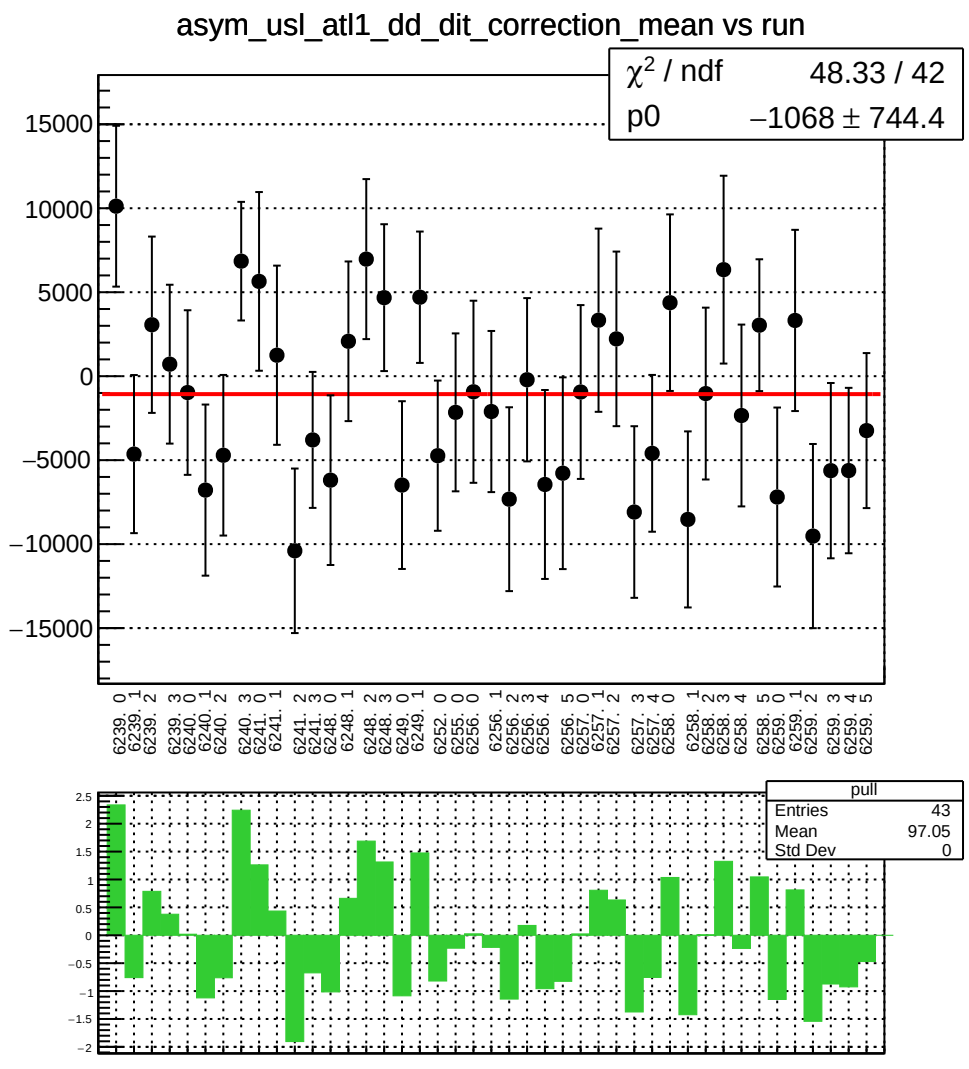
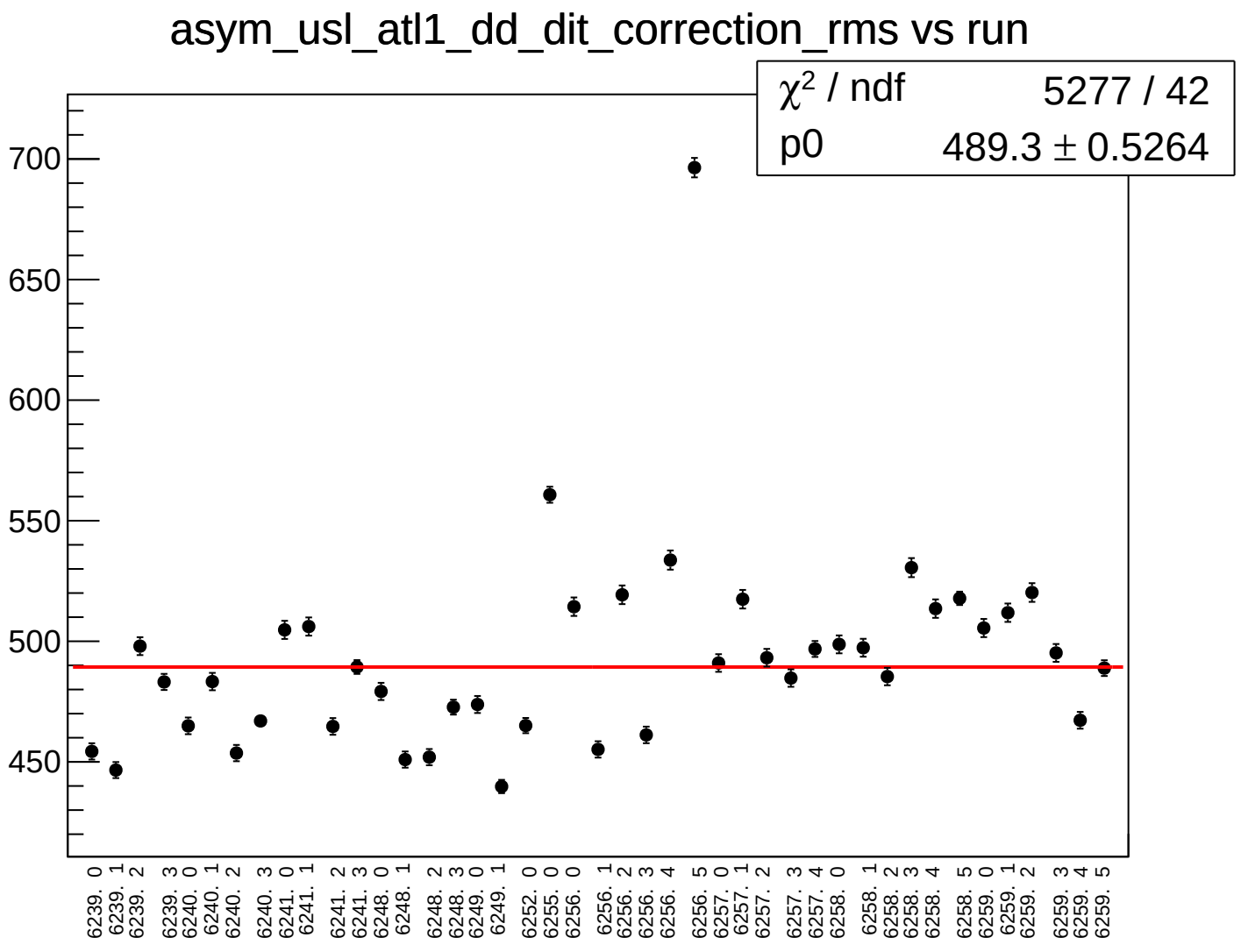
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 48.33 / 42
p0 −1068 ± 744.4
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 97.05
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04111
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 5277 / 42
p0 489.3 ± 0.5264
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
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6256. 1
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6257. 2
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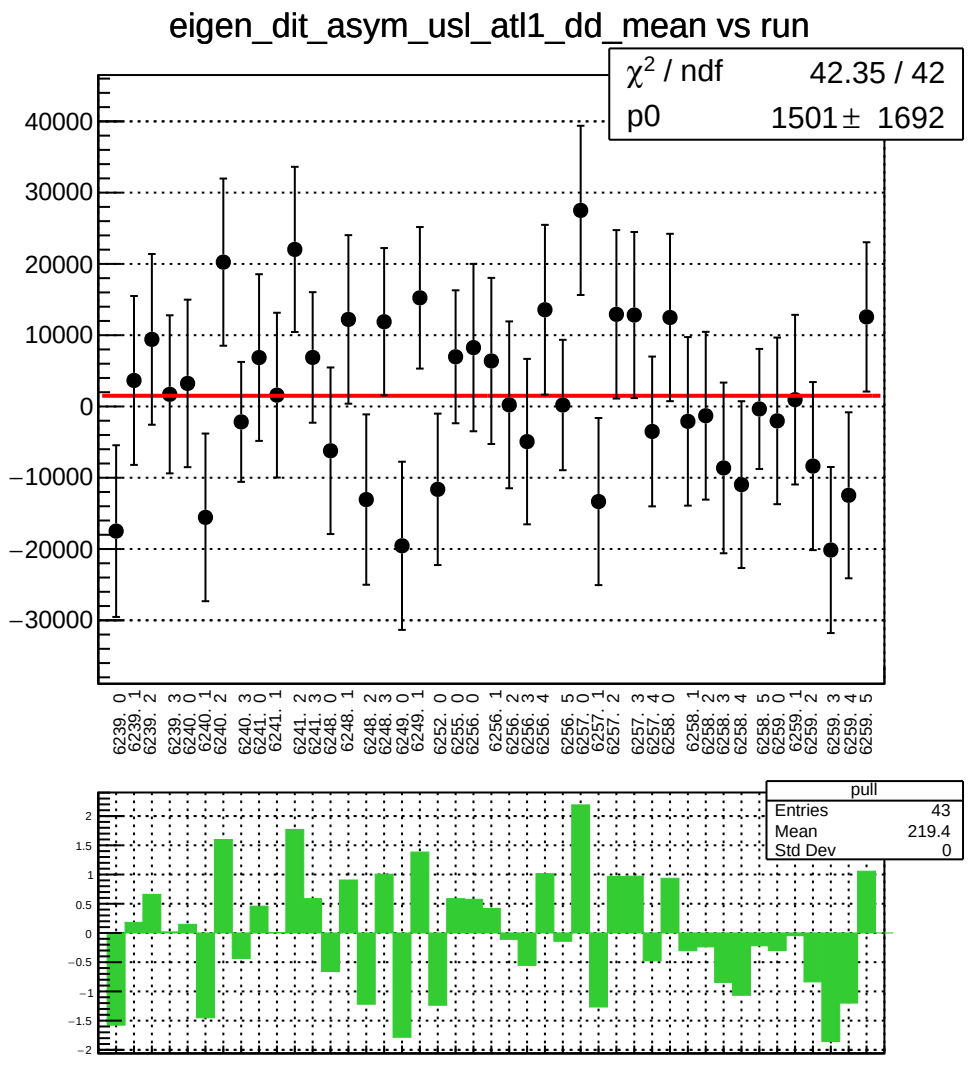
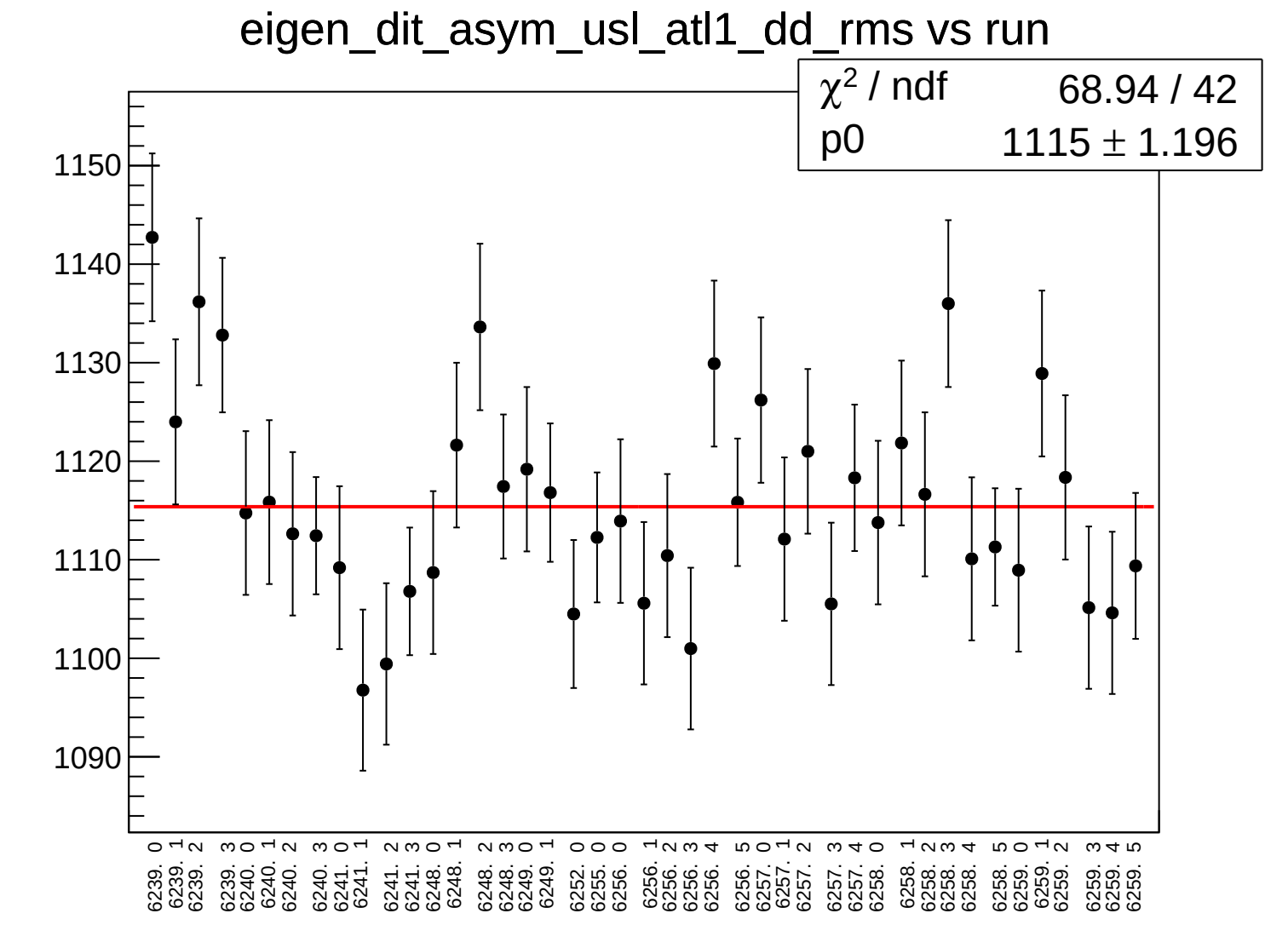
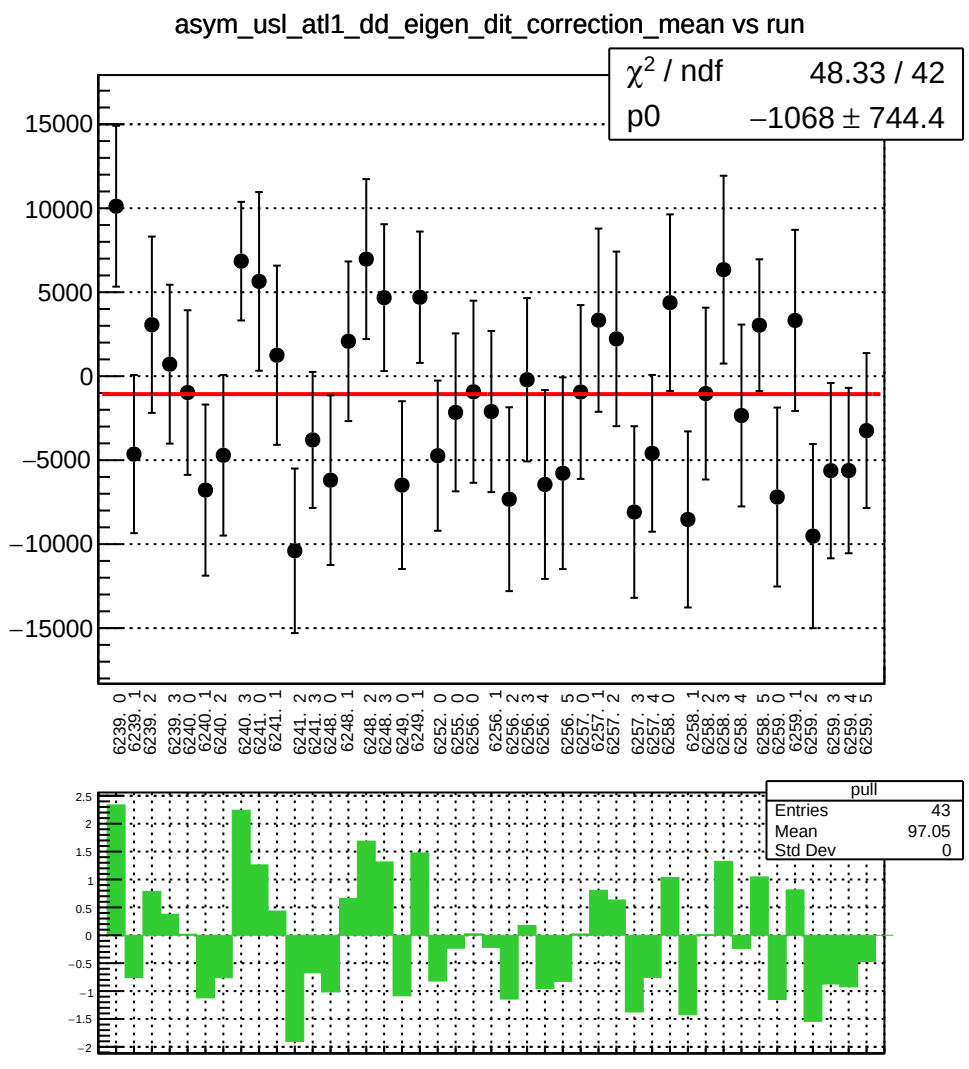
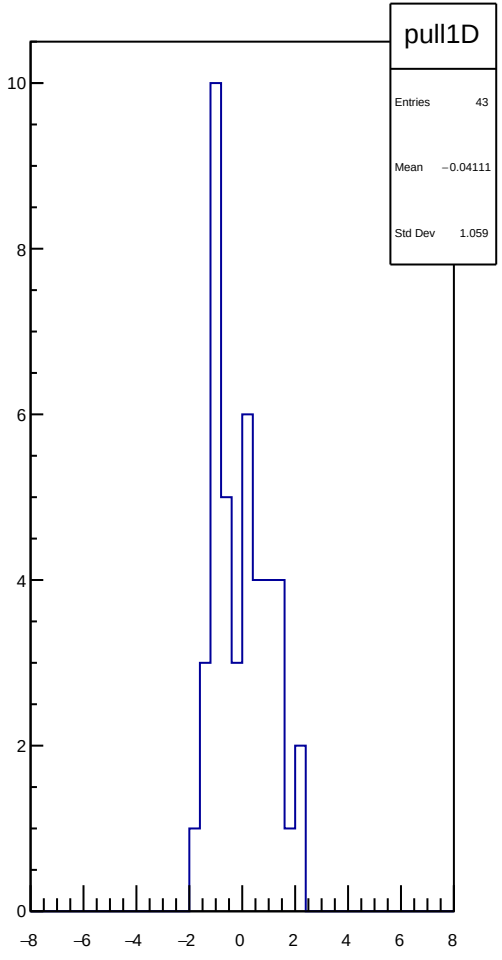
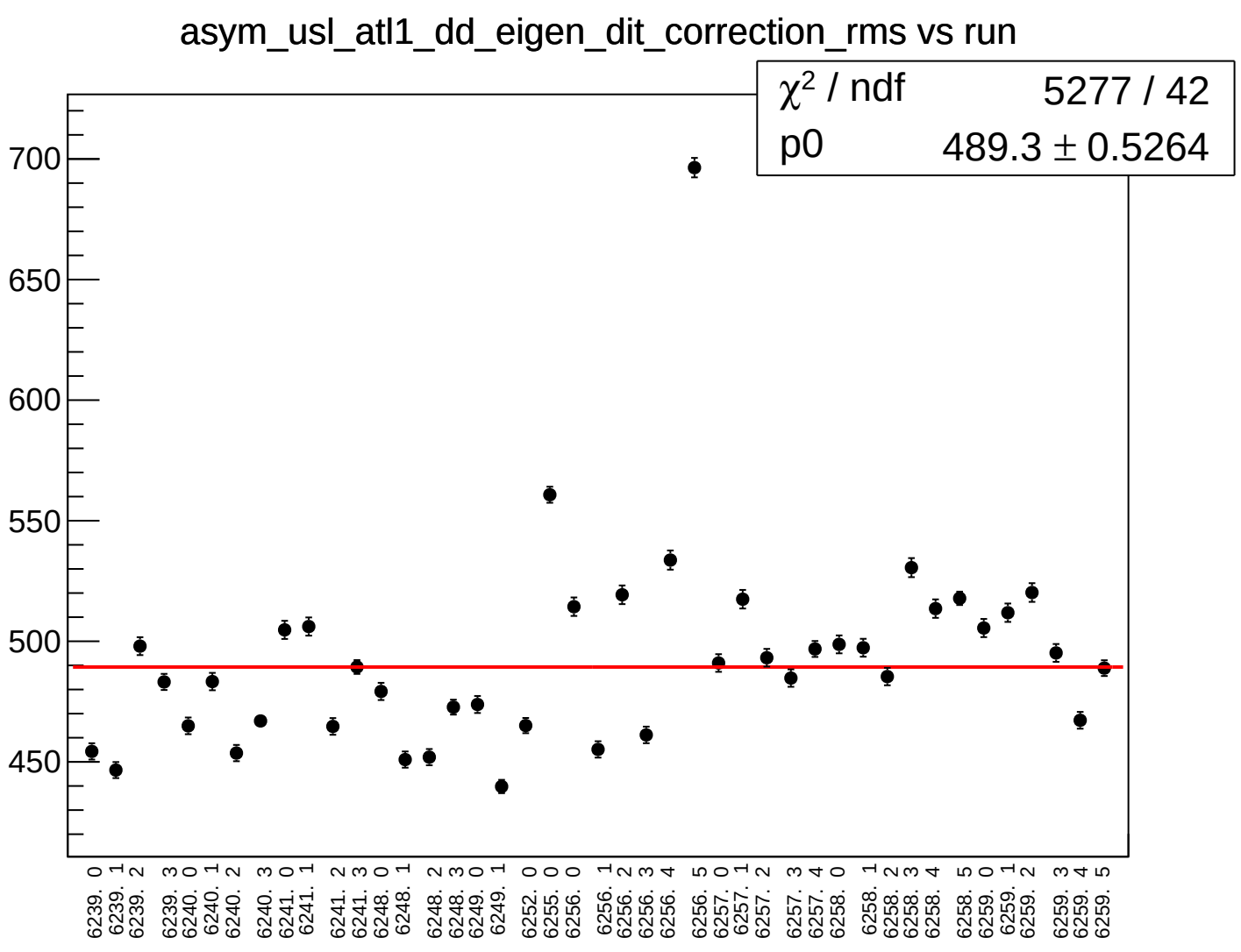
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

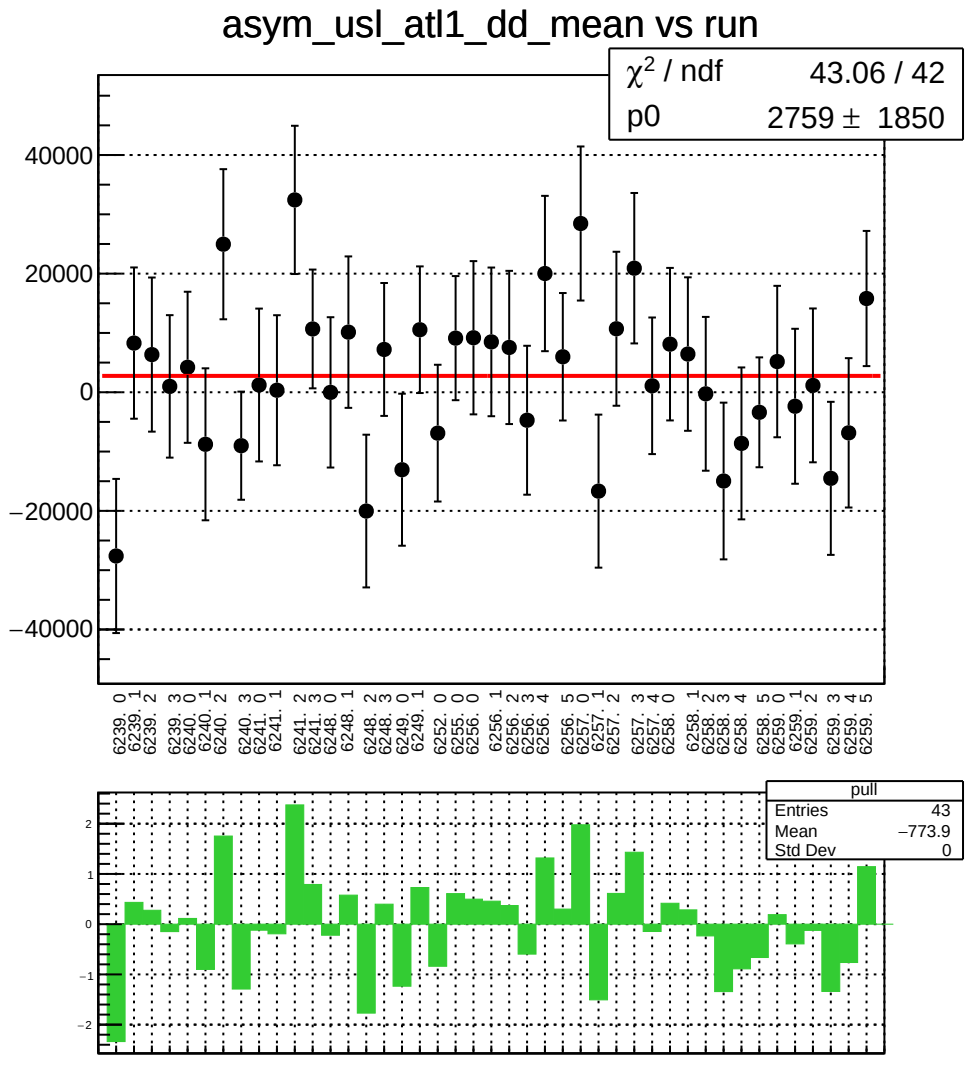

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 42.35 / 42
p0 1501 ± 1692
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 219.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008742
Std Dev 0.9923
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

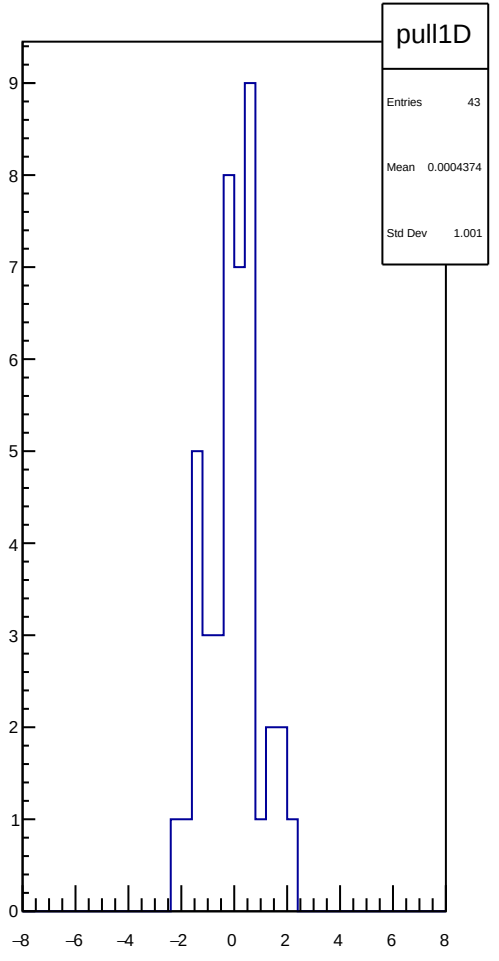

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 68.94 / 42
p0 1115 ± 1.196
1150
1140
1130
1120
1110
1100
1090
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

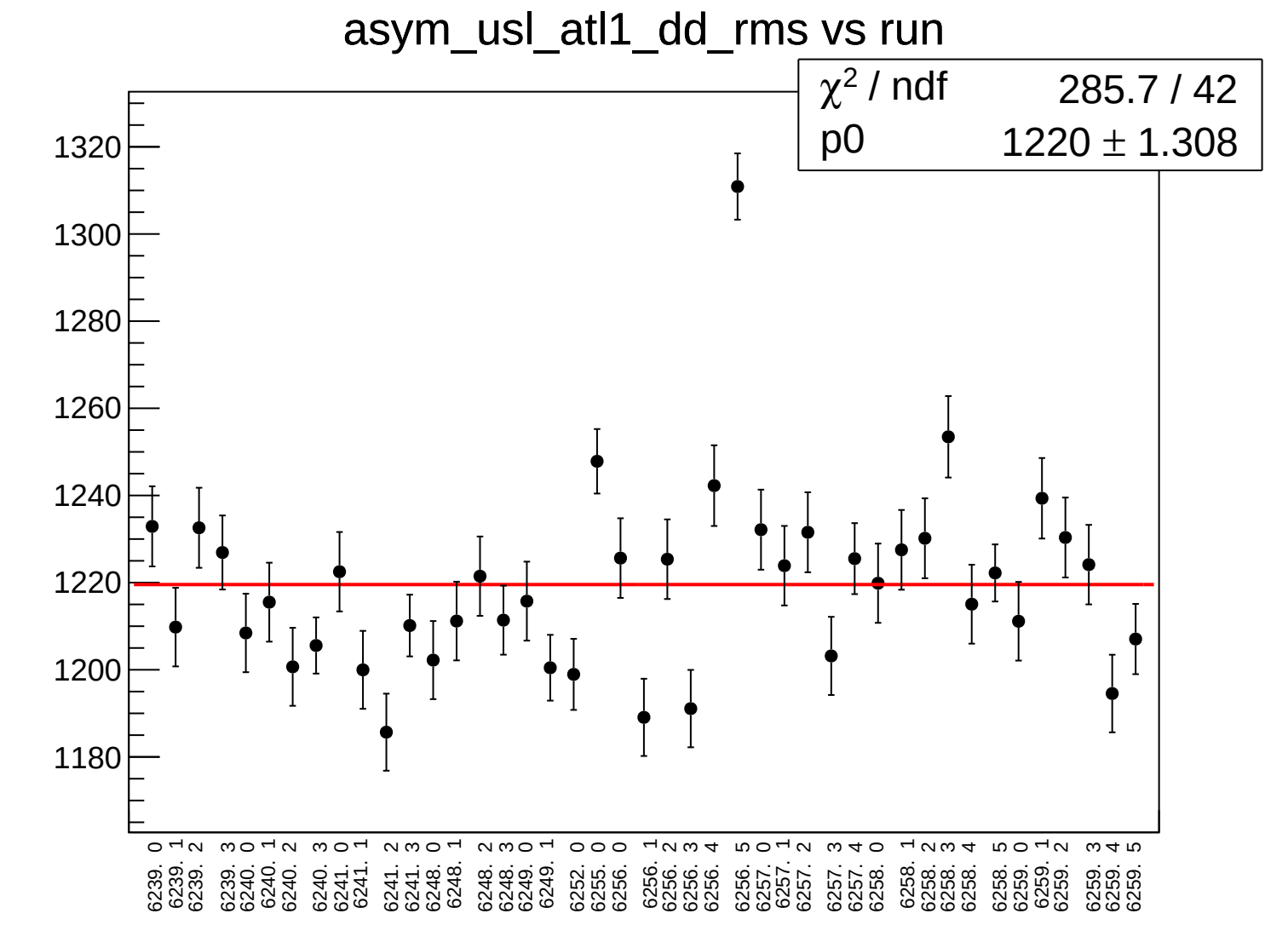

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.33 / 42
p0 −1068 ± 744.4
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 97.05
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

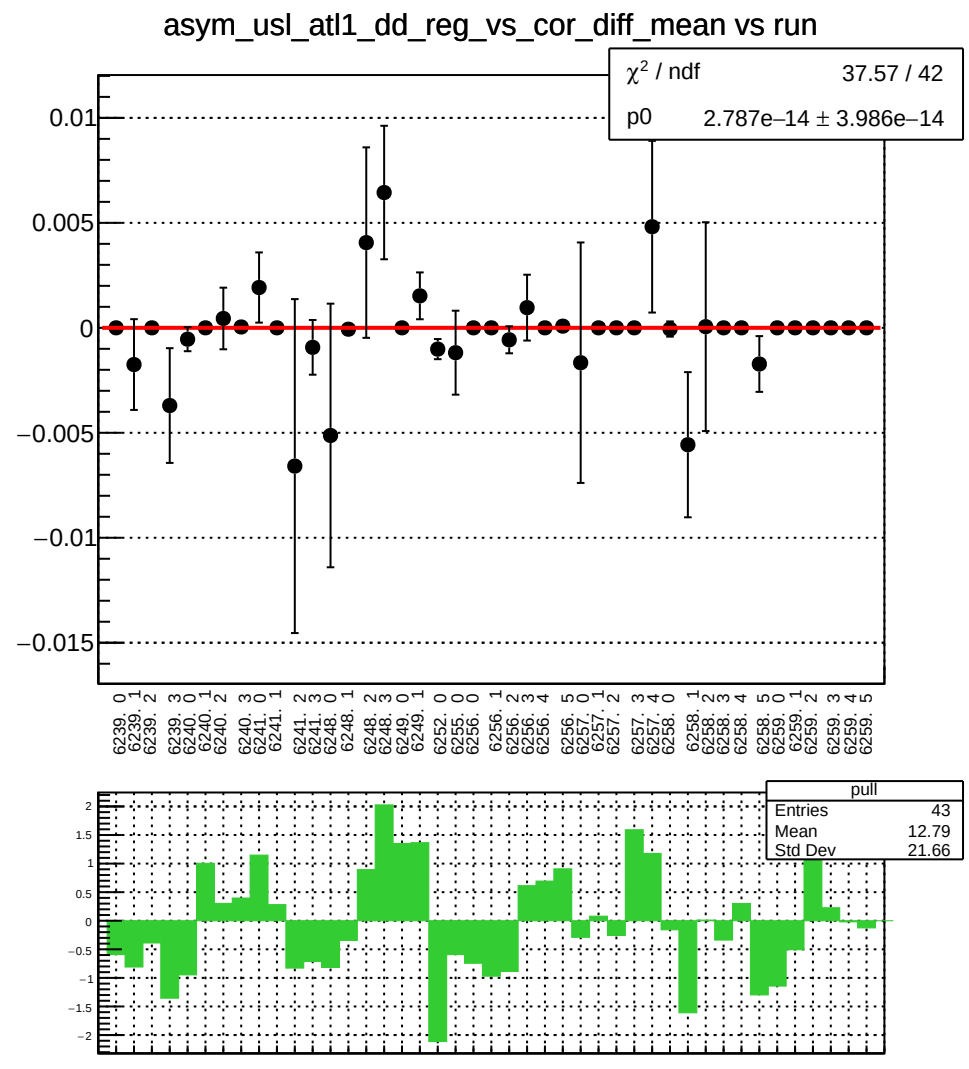

pull1D
Entries 43
Mean −0.04111
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

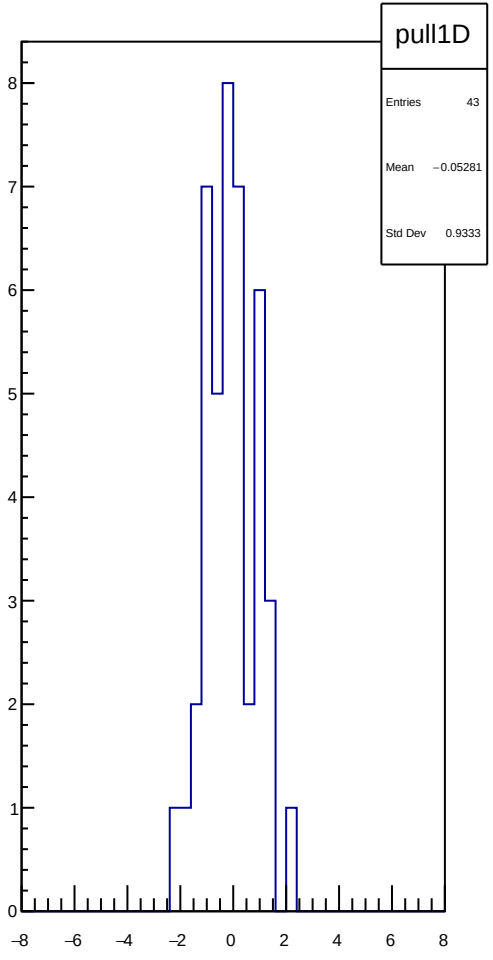

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5277 / 42
p0 489.3 ± 0.5264
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

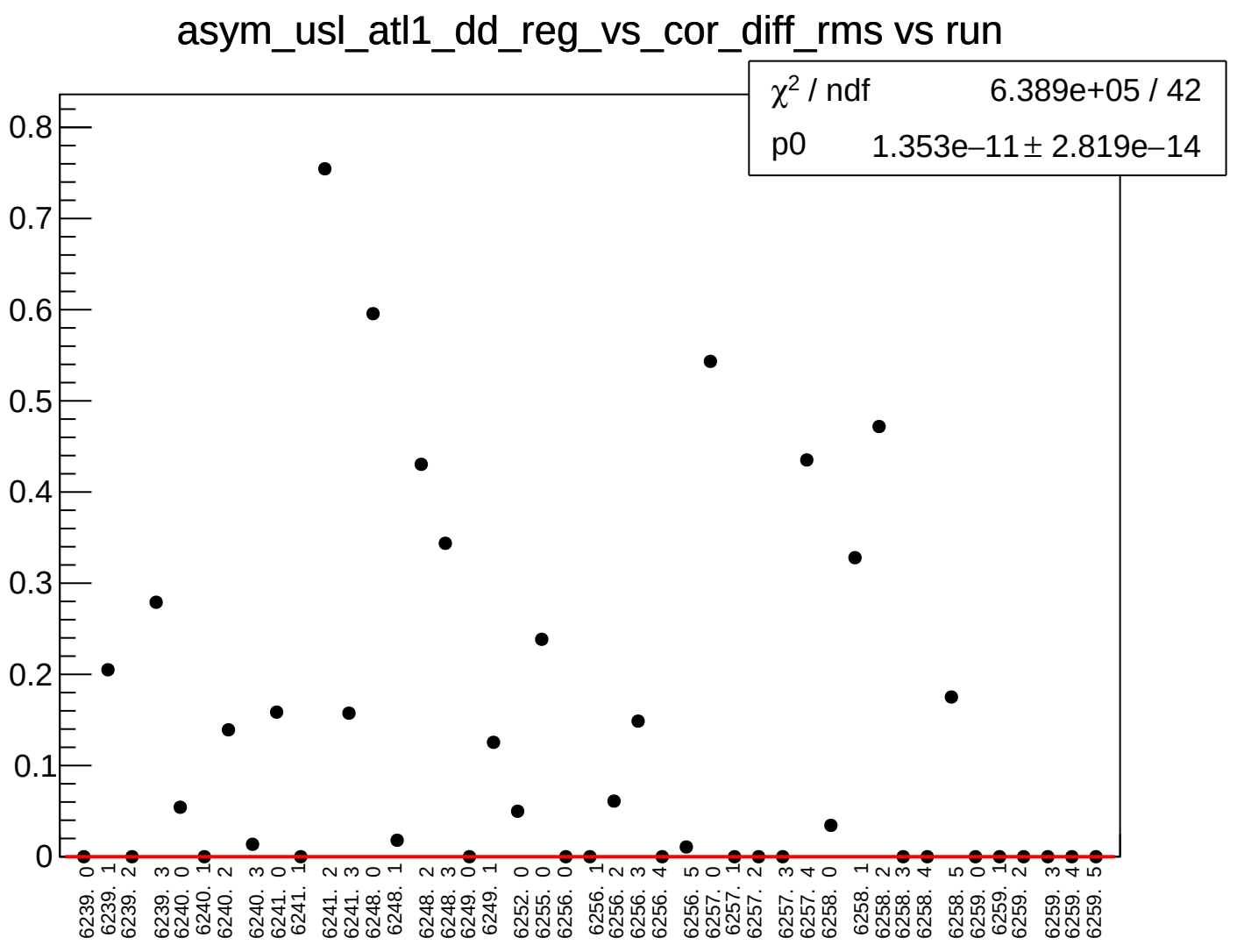

asym_usl_atl1_dd_mean vs run
χ² / ndf 43.06 / 42
p0 2759 ± 1850
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −773.9
Std Dev 0
2
1
0
−1
−2

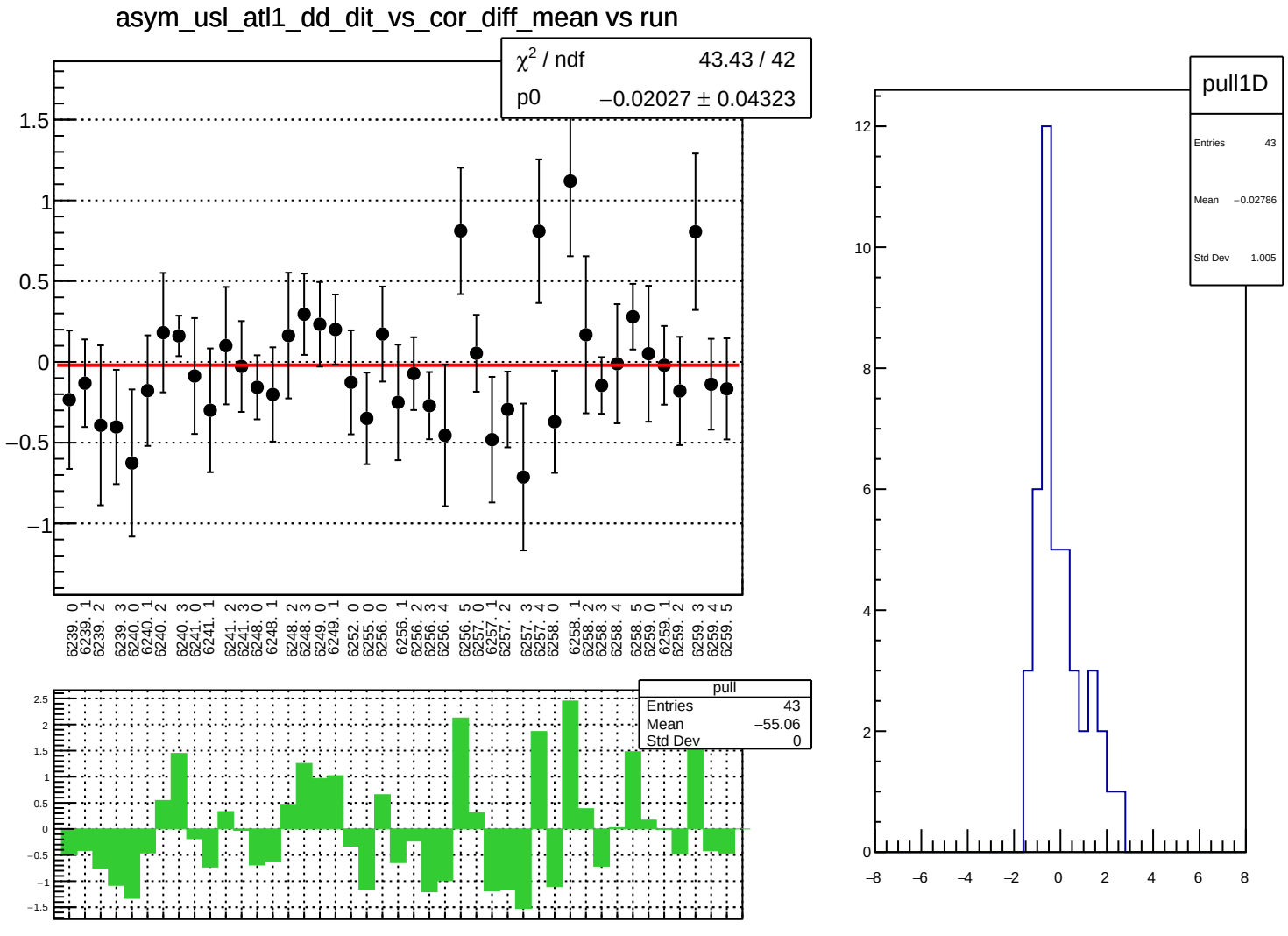

pull1D
Entries 43
Mean 0.0004374
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

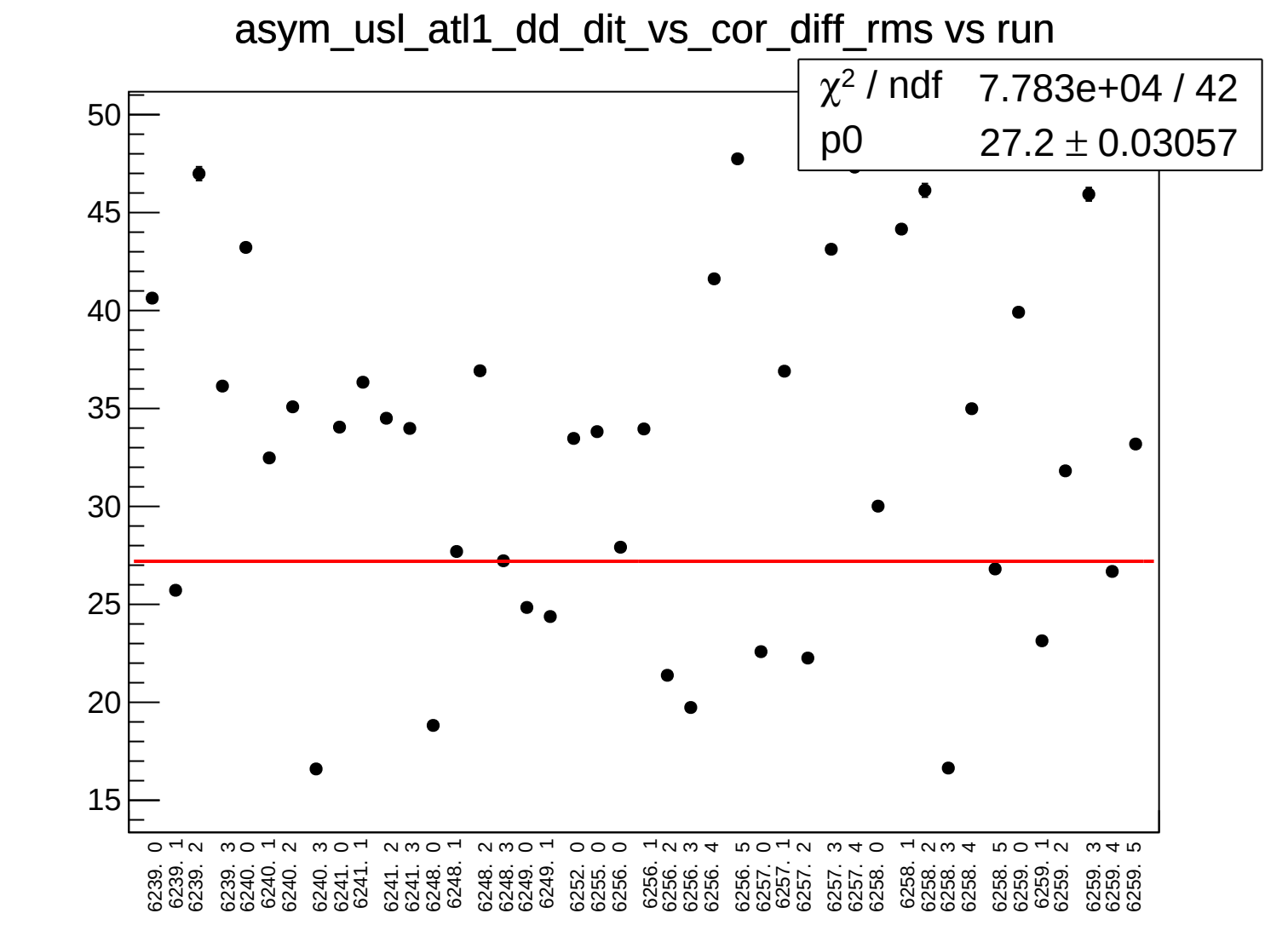

asym_usl_atl1_dd_rms vs run
χ² / ndf 285.7 / 42
p0 1220 ± 1.308
1320
1300
1280
1260
1240
1220
1200
1180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

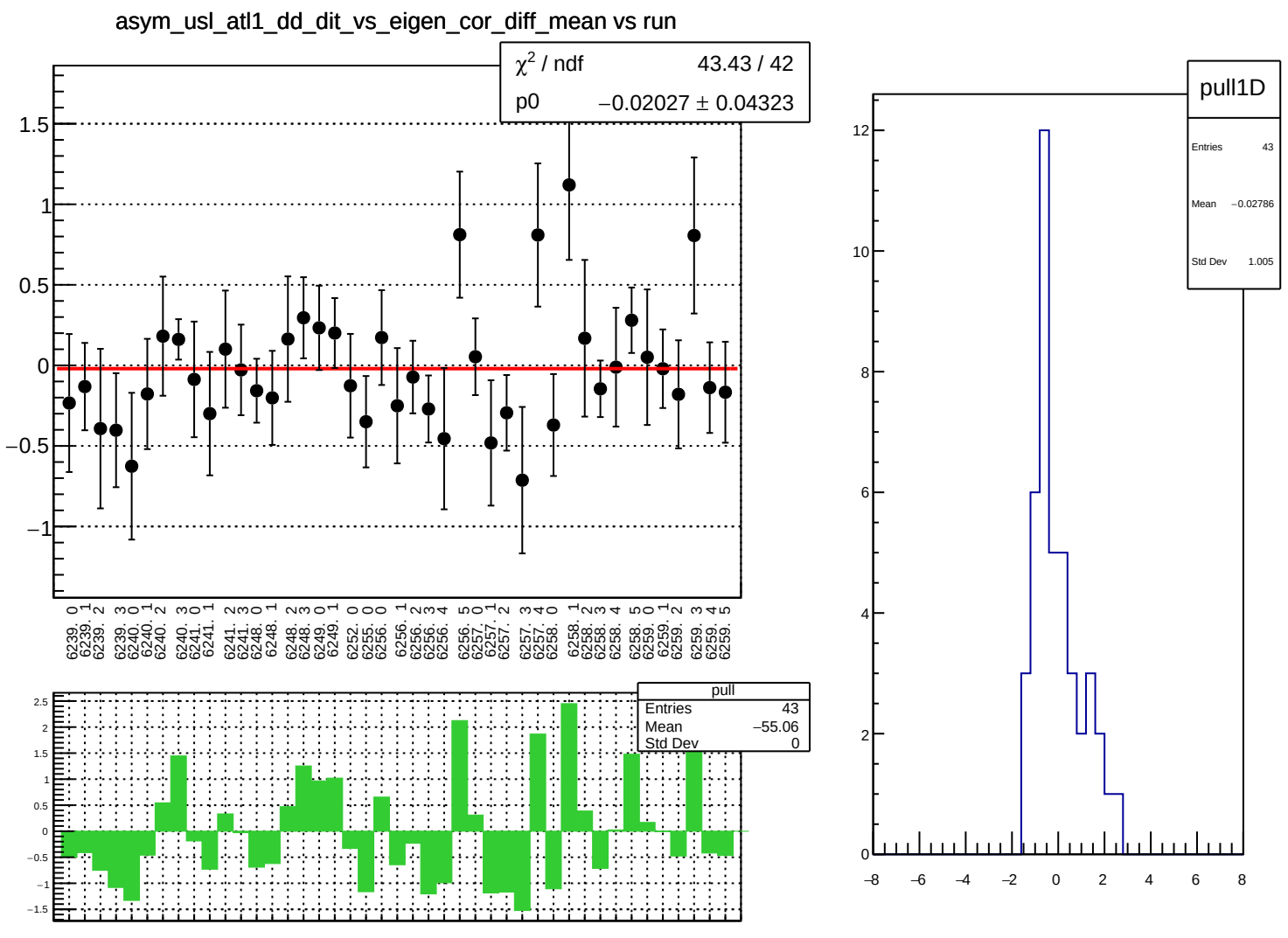

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.57 / 42
p0 2.787e−14 ± 3.986e−14
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.79
Std Dev 21.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

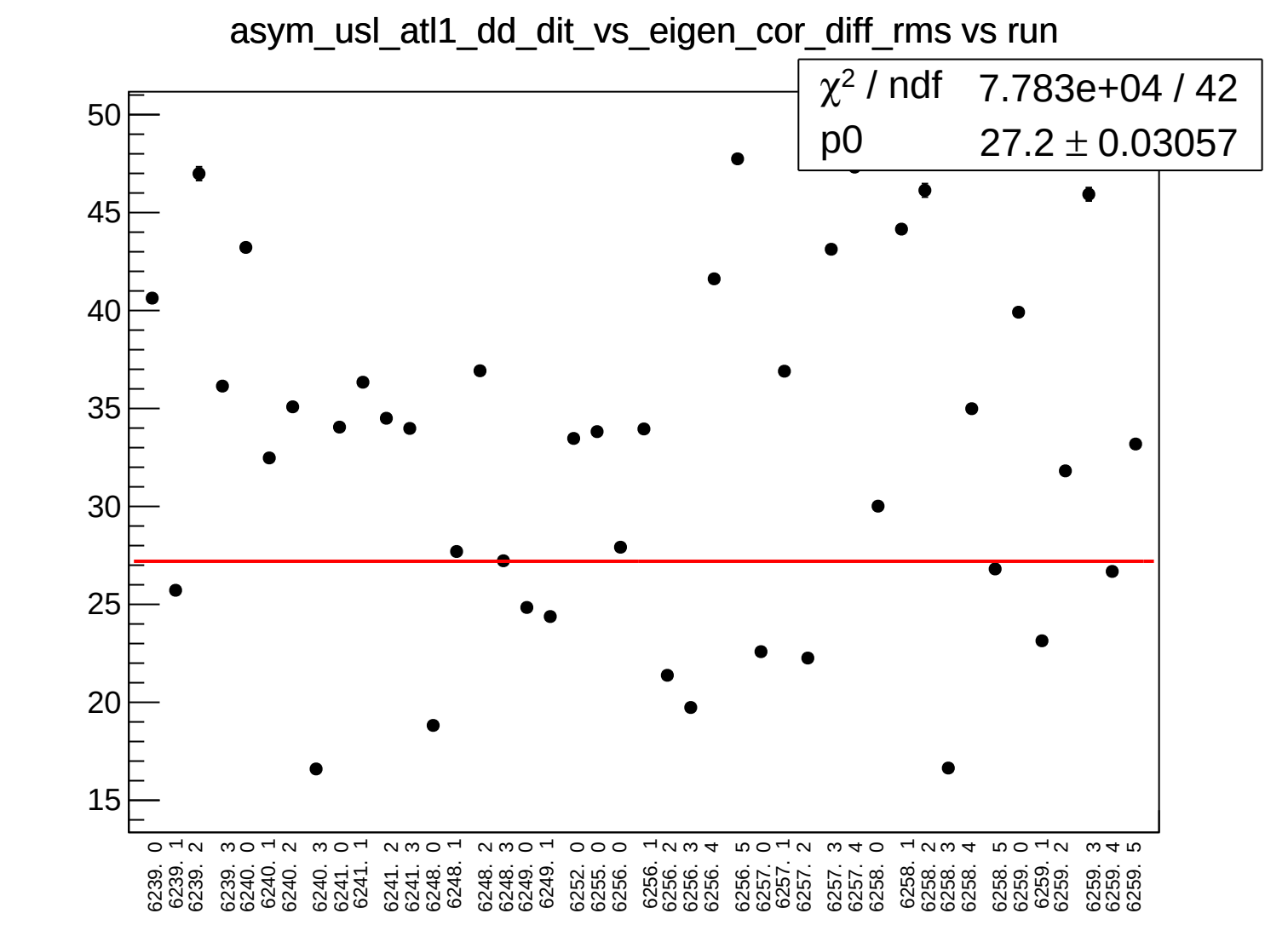

pull1D
Entries 43
Mean −0.05281
Std Dev 0.9333
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

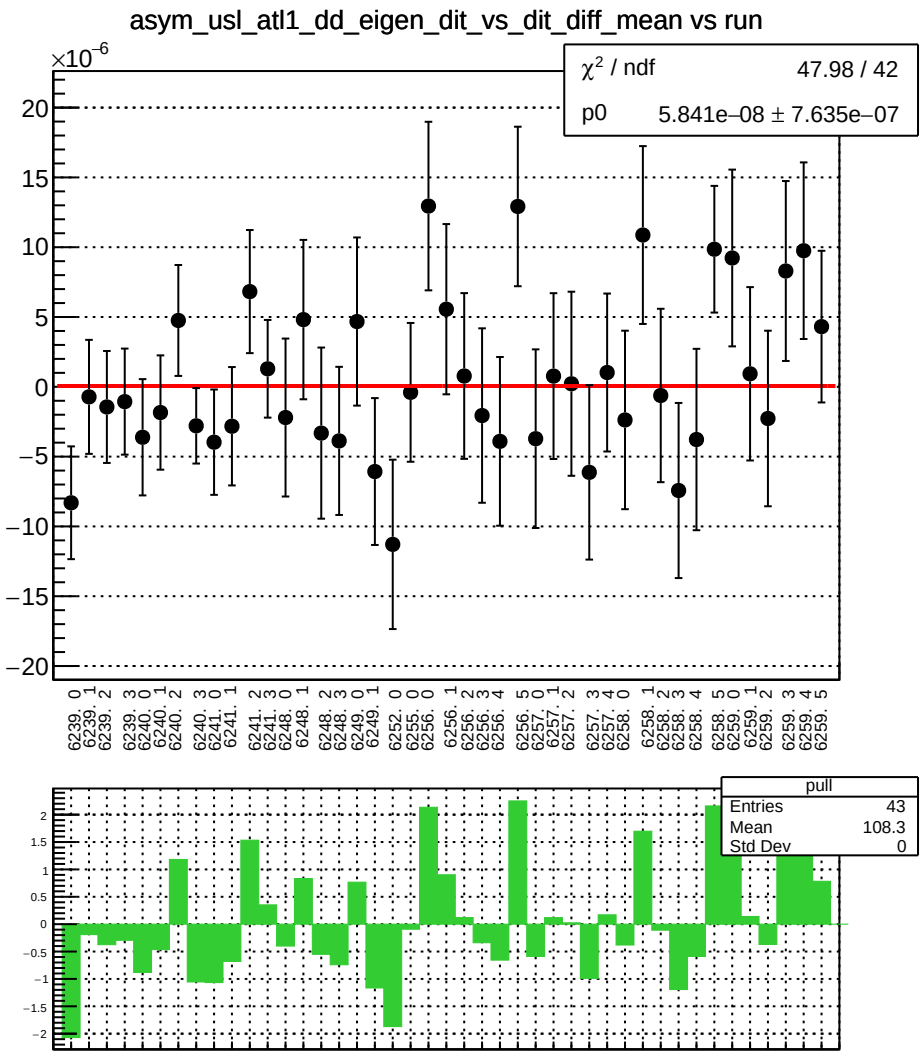

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.389e+05 / 42
p0 1.353e−11 ± 2.819e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

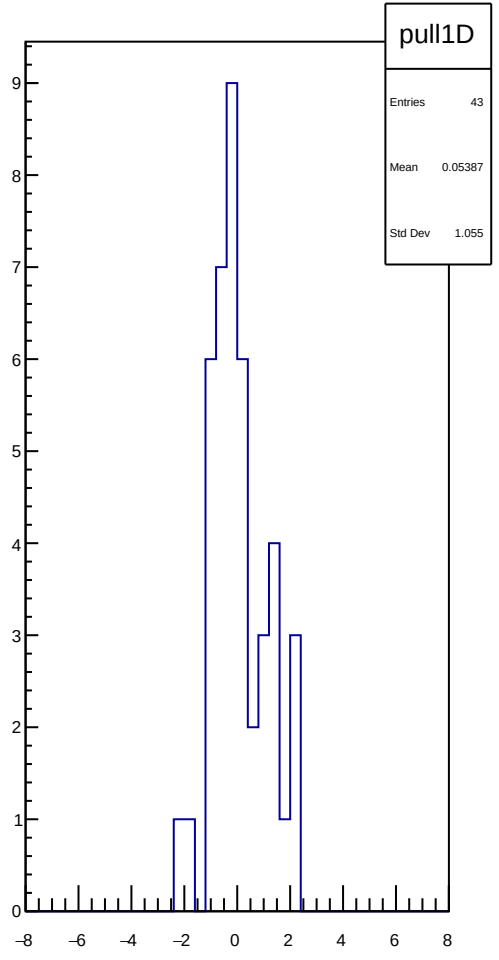

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.43 / 42
p0 −0.02027 ± 0.04323
pull
Entries 43
Mean −55.06
Std Dev 0
pull1D
Entries 43
Mean −0.02786
Std Dev 1.005

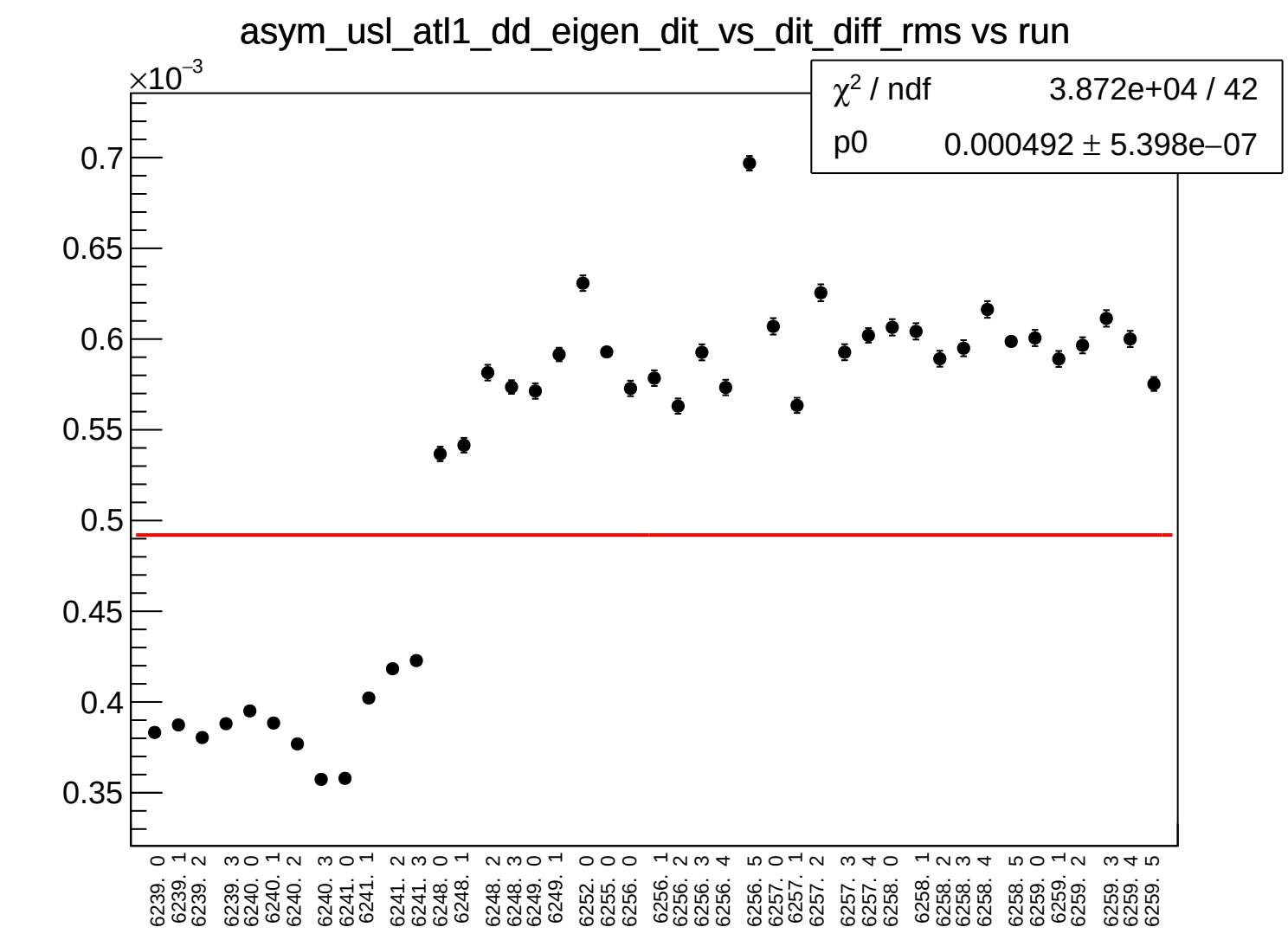

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.783e+04 / 42
p0 27.2 ± 0.03057
50
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

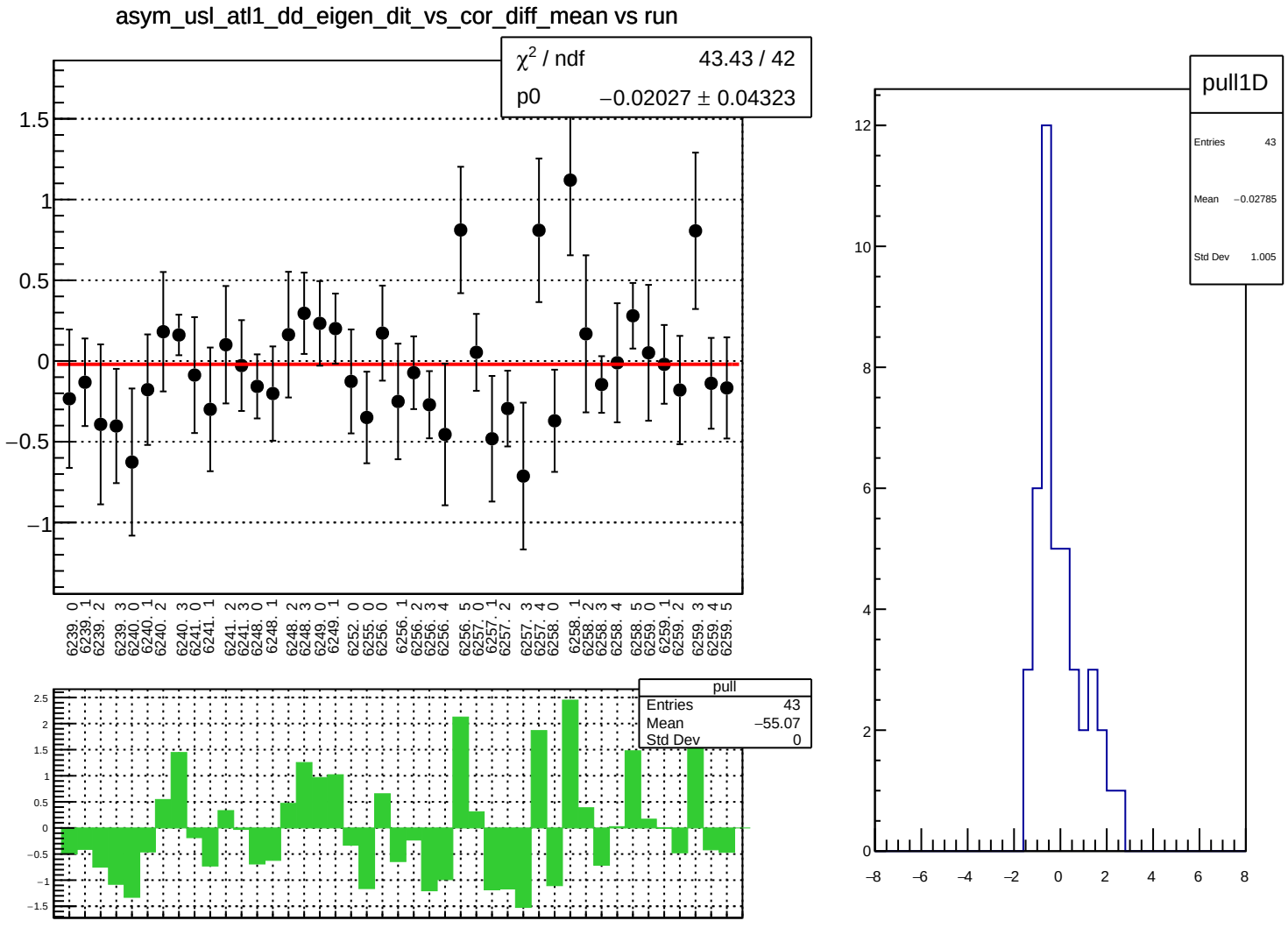

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.43 / 42
p0 −0.02027 ± 0.04323
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −55.06
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02786
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

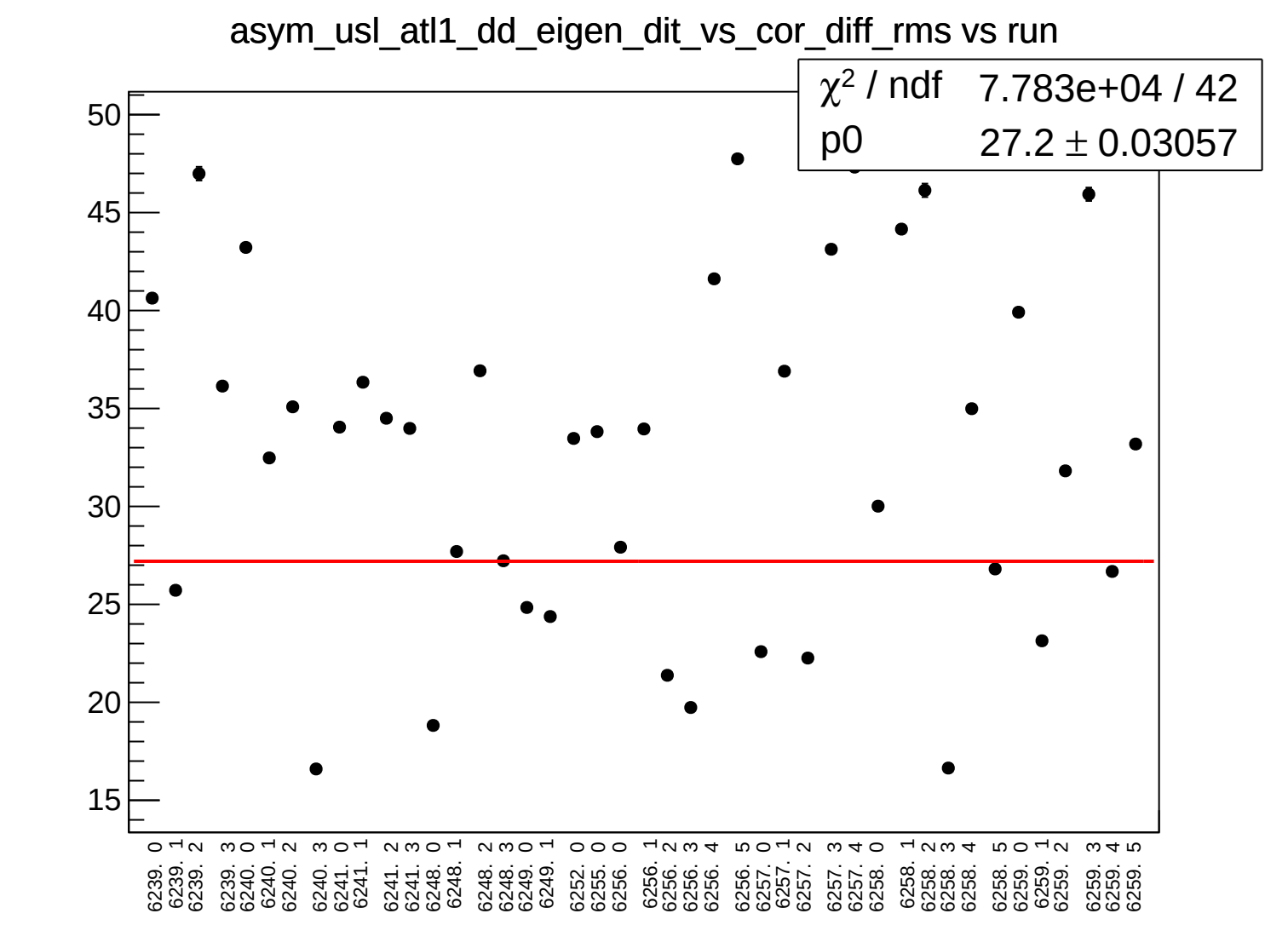

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.783e+04 / 42
p0 27.2 ± 0.03057
50
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

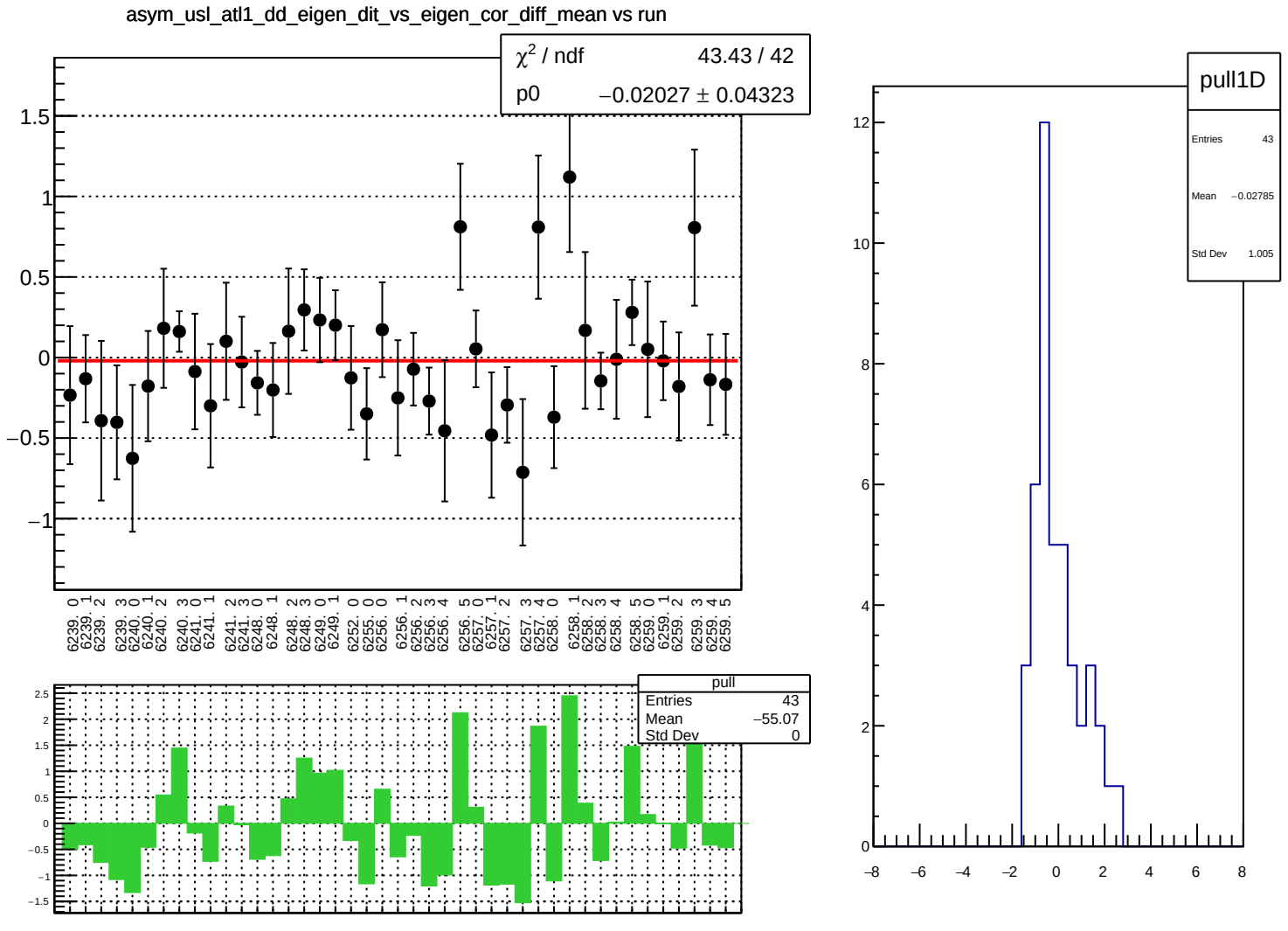

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 47.98 / 42
p0 5.841e−08 ± 7.635e−07
pull
Entries 43
Mean 108.3
Std Dev 0

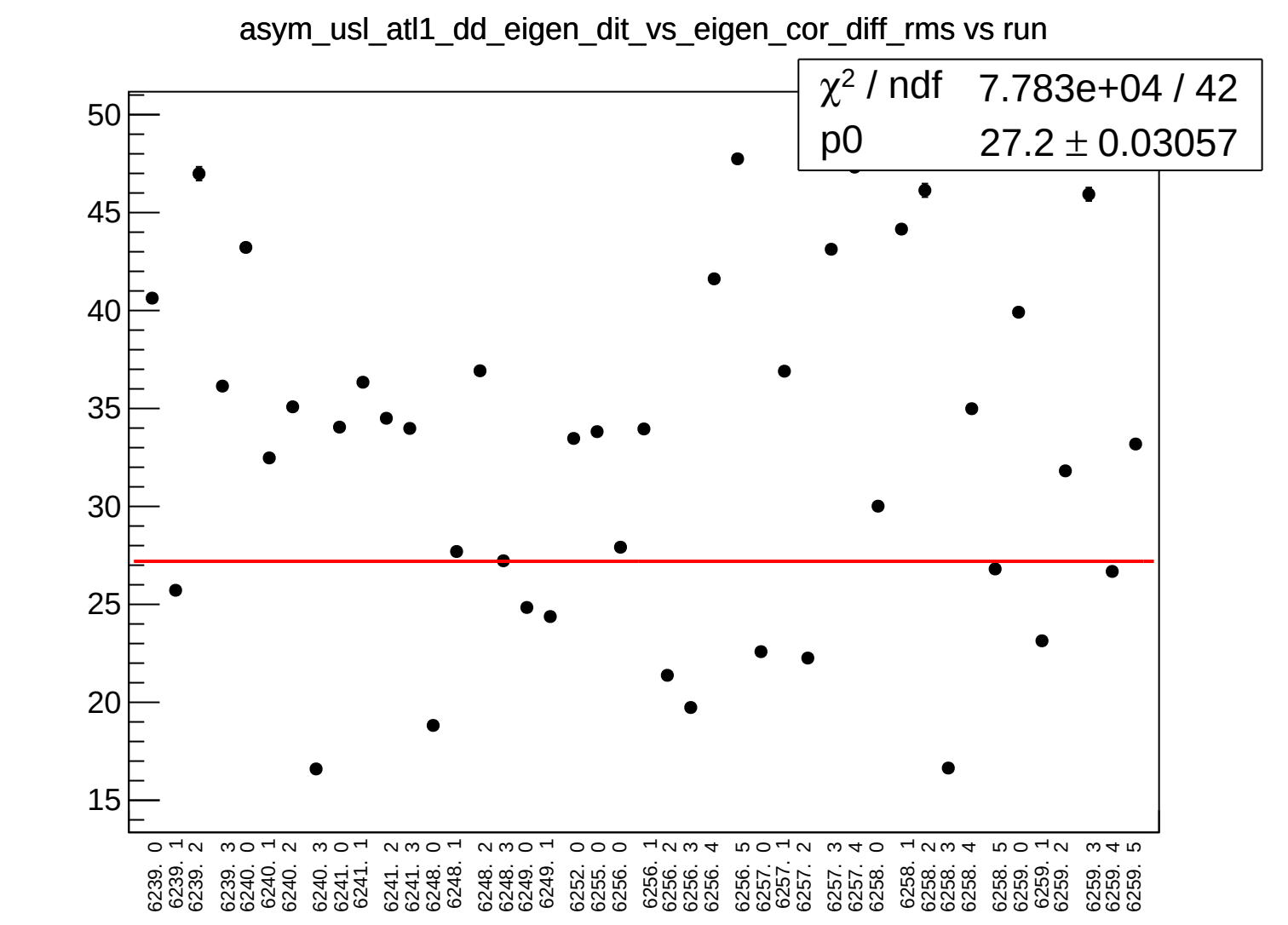

pull1D
Entries 43
Mean 0.05387
Std Dev 1.055

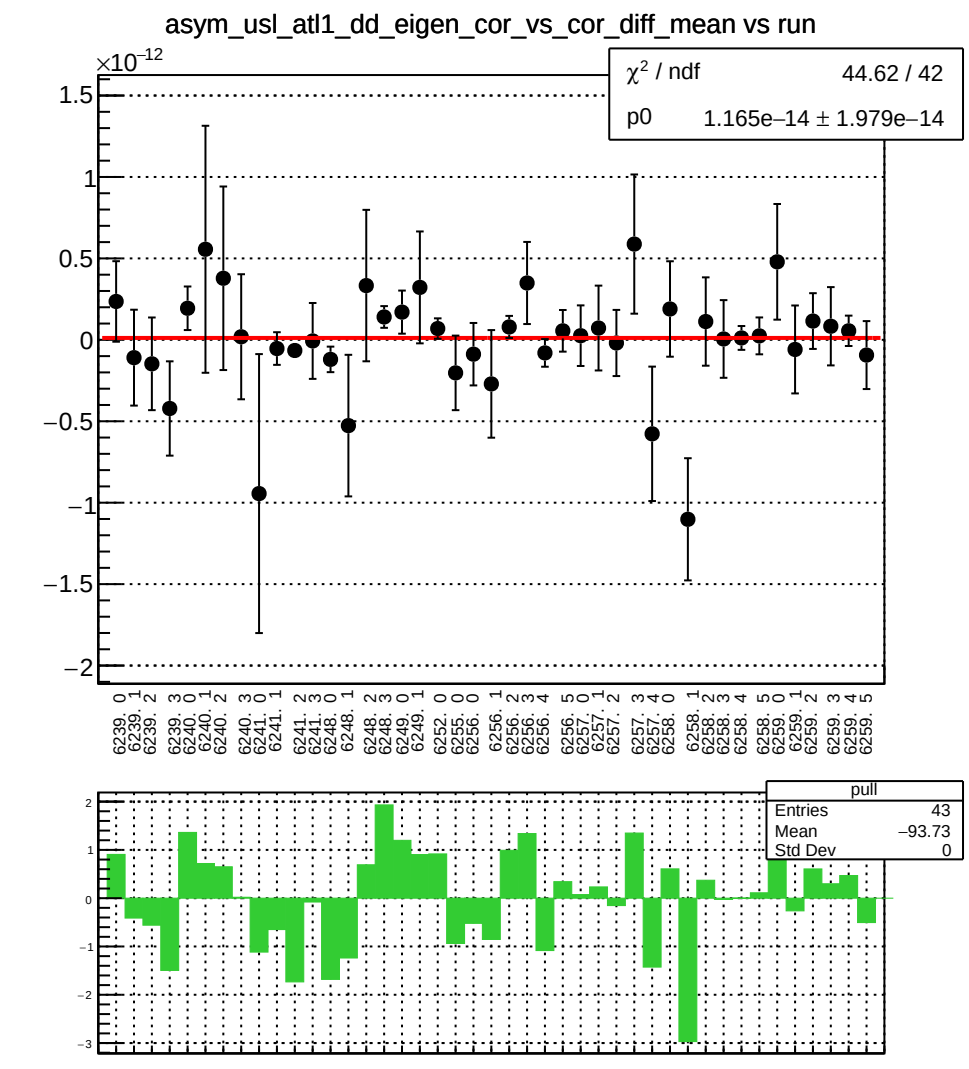

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3.872e+04 / 42
p0 0.000492 ± 5.398e−07
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

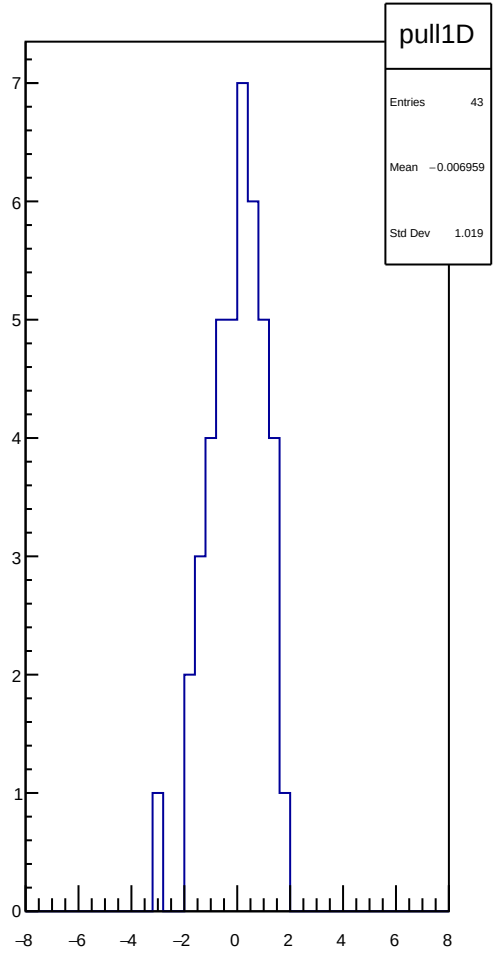

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.43 / 42
p0 −0.02027 ± 0.04323
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −55.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02785
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

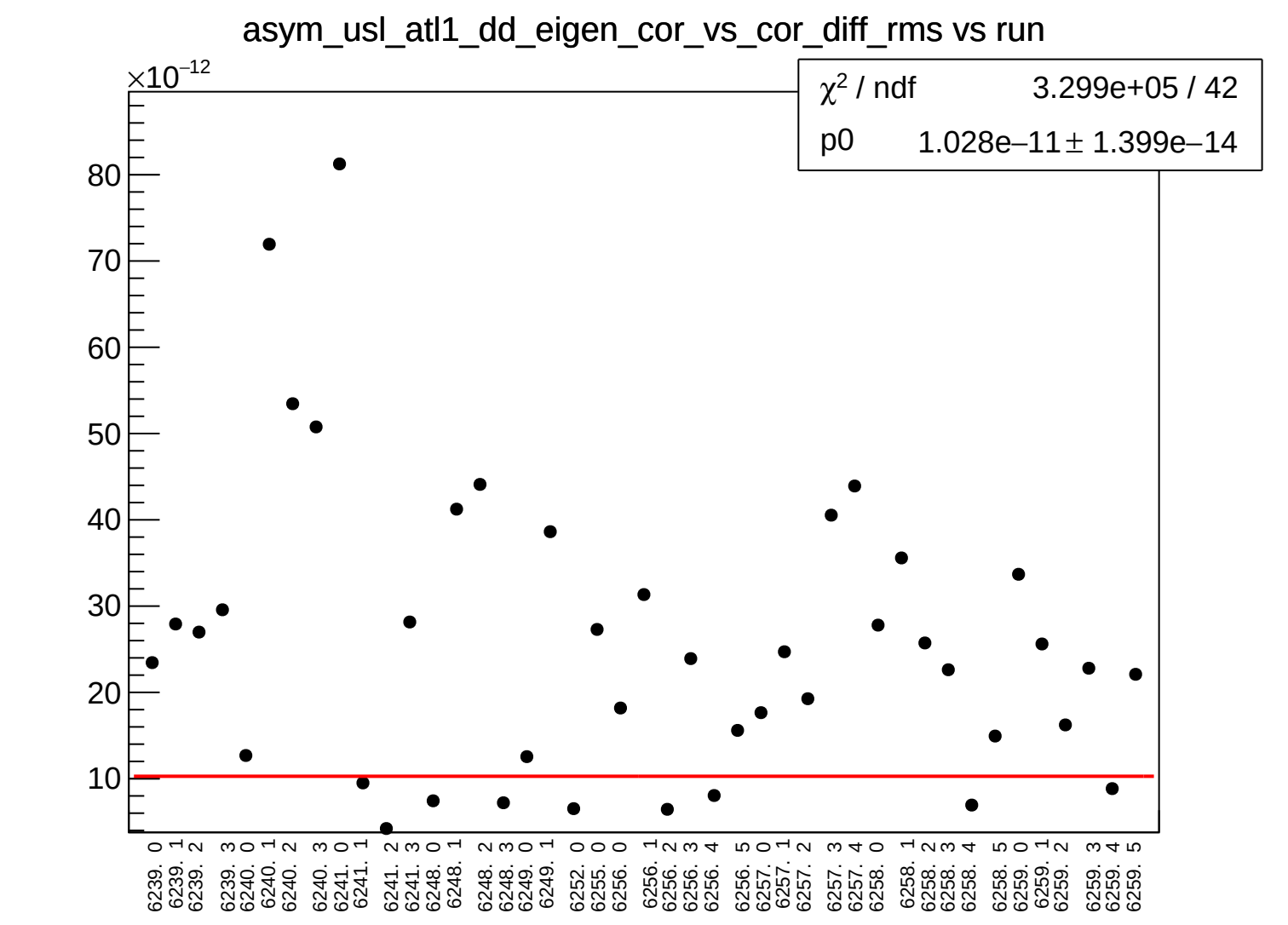

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.783e+04 / 42
p0 27.2 ± 0.03057
50
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

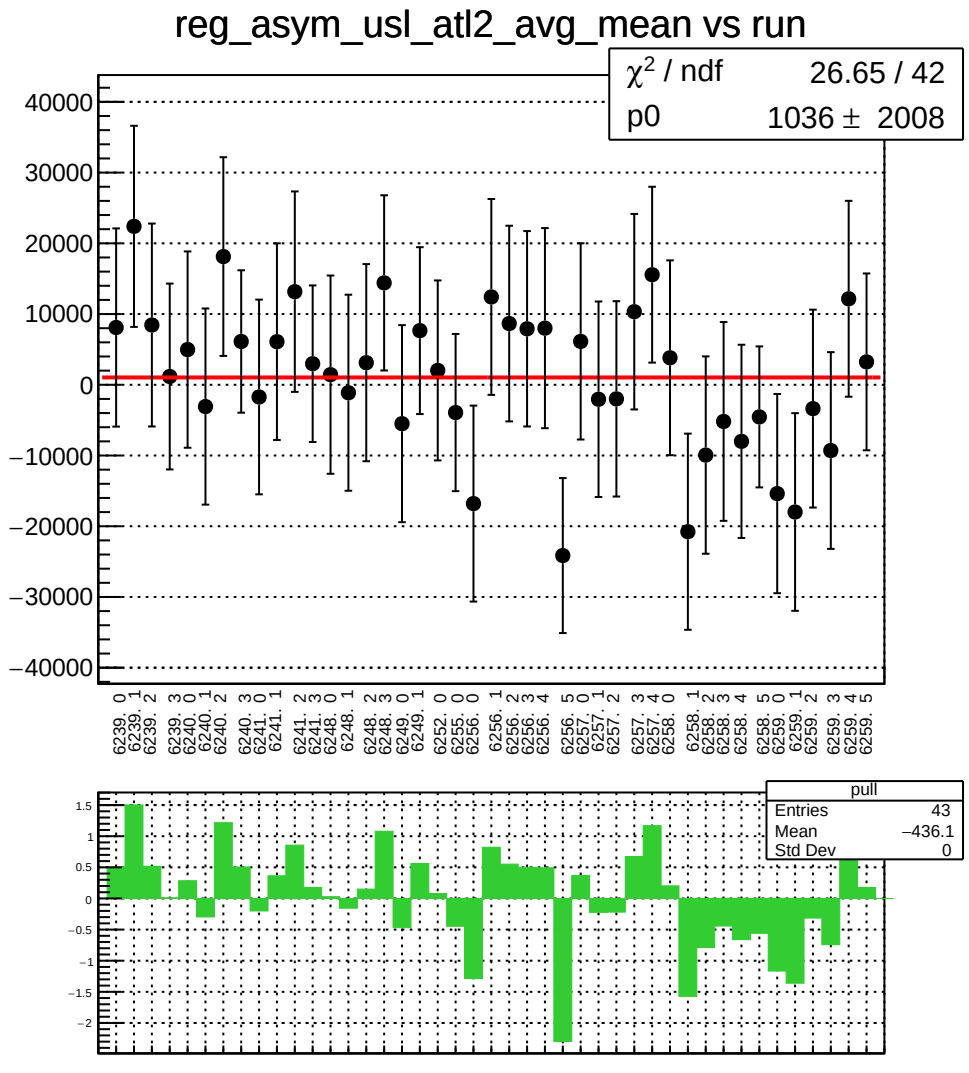

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.43 / 42
p0 −0.02027 ± 0.04323
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −55.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02785
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

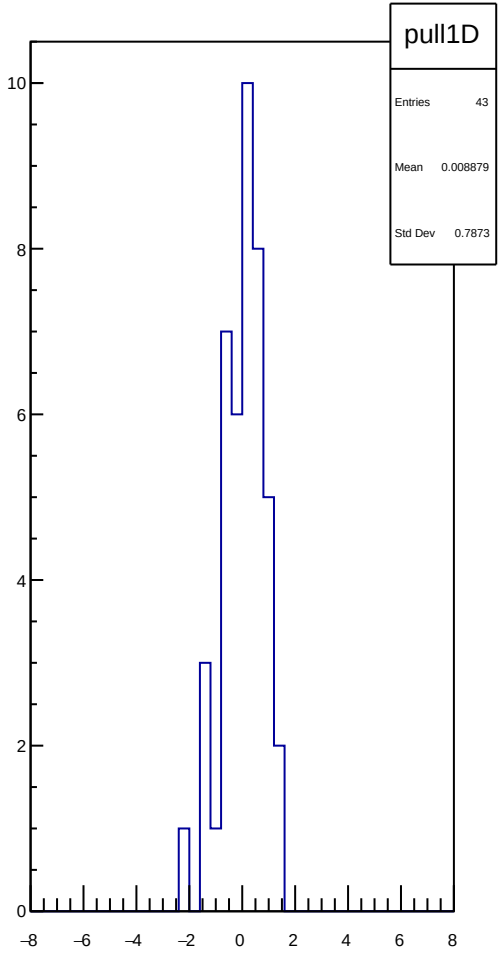

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.783e+04 / 42
p0 27.2 ± 0.03057
50
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

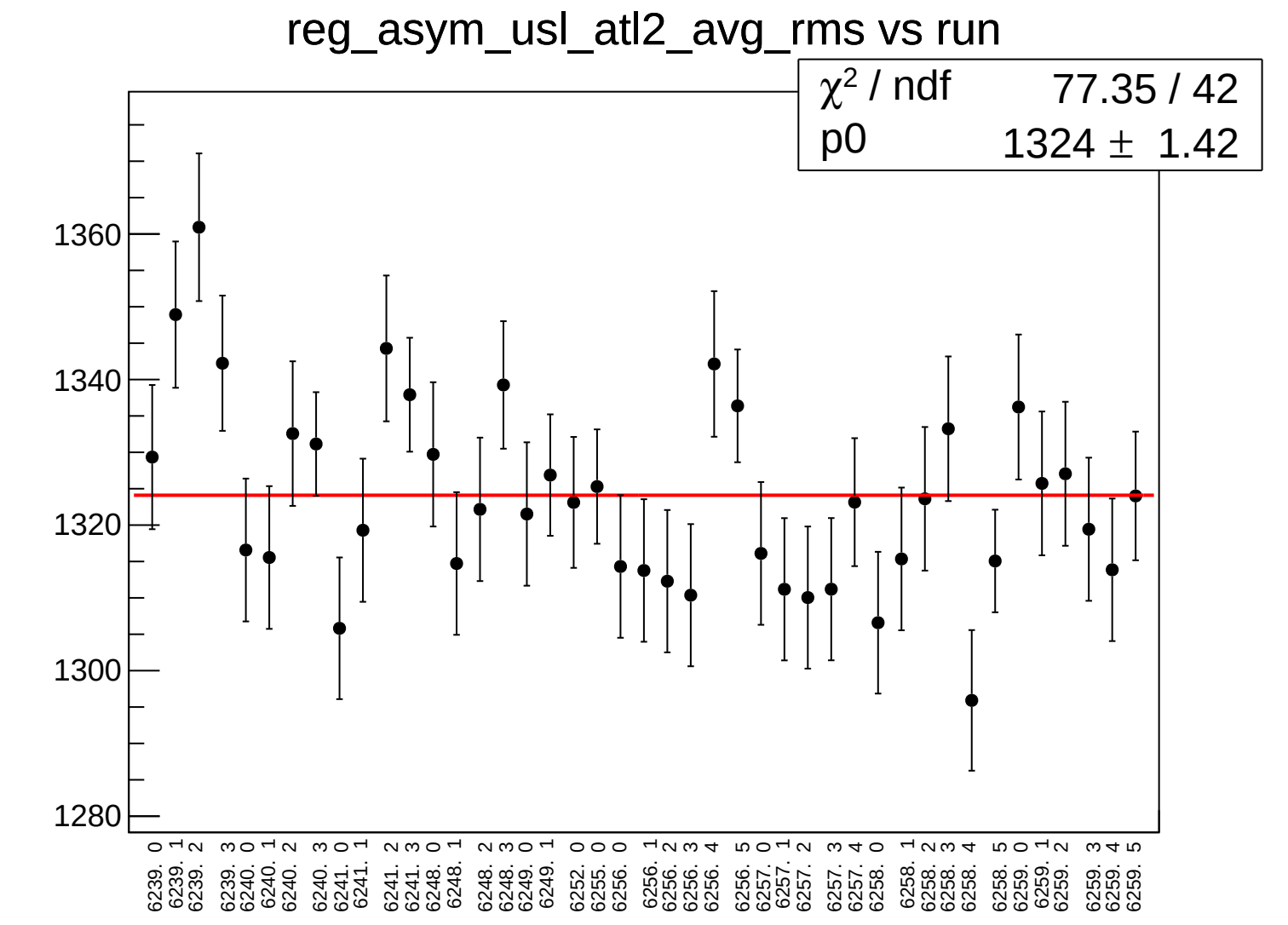

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.62 / 42
p0 1.165e−14 ± 1.979e−14
pull
Entries 43
Mean −93.73
Std Dev 0

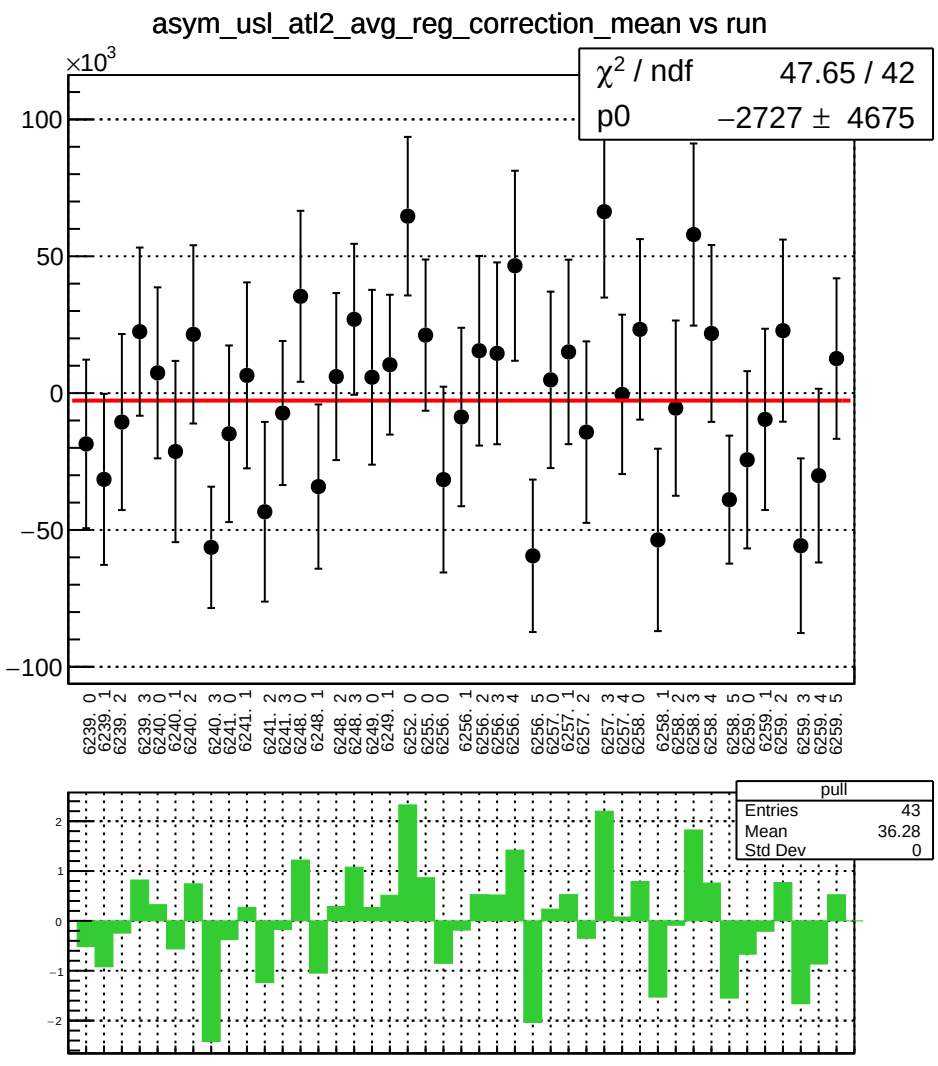

pull1D
Entries 43
Mean −0.006959
Std Dev 1.019

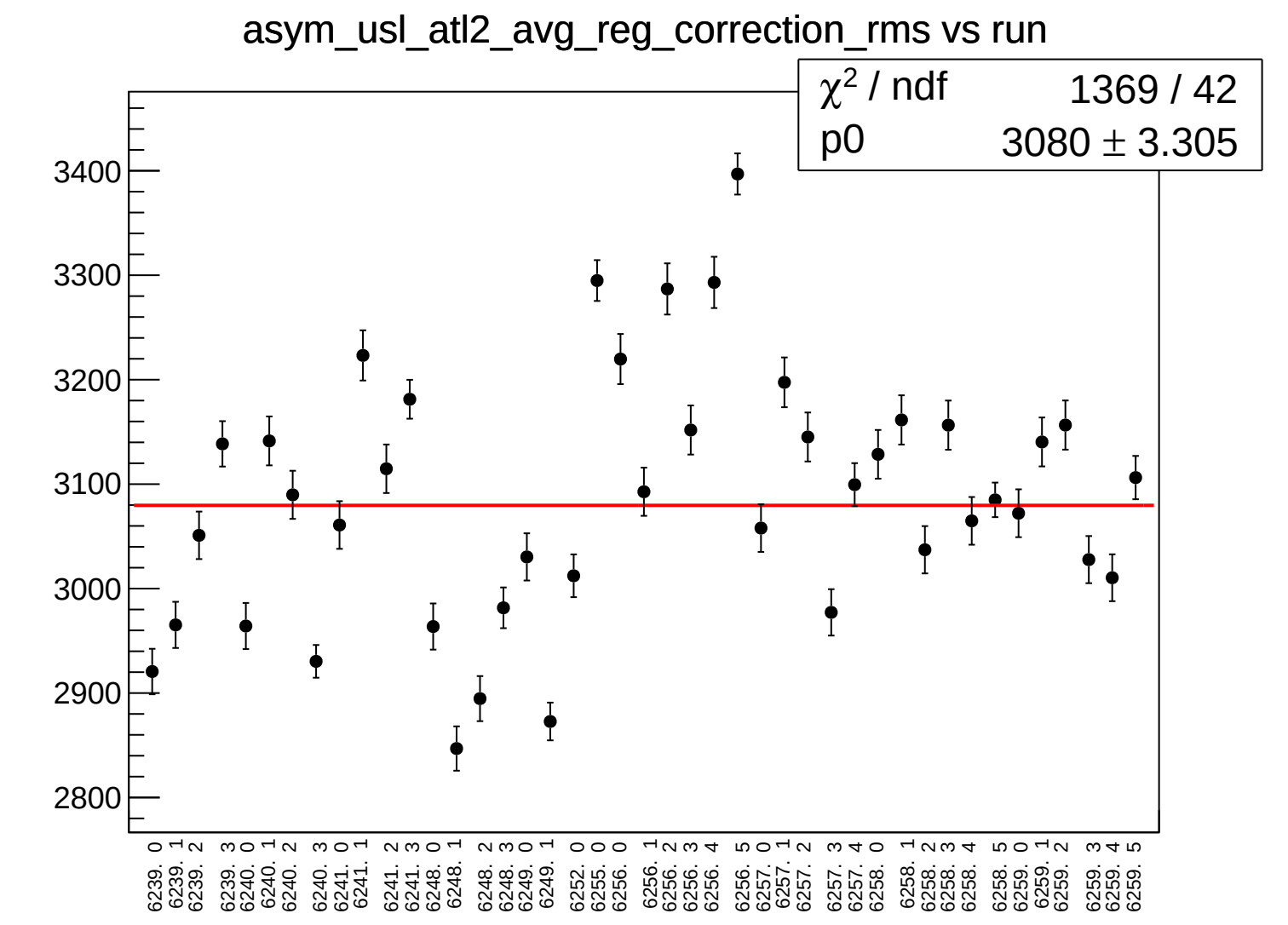

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 3.299e+05 / 42
p0 1.028e−11 ± 1.399e−14
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

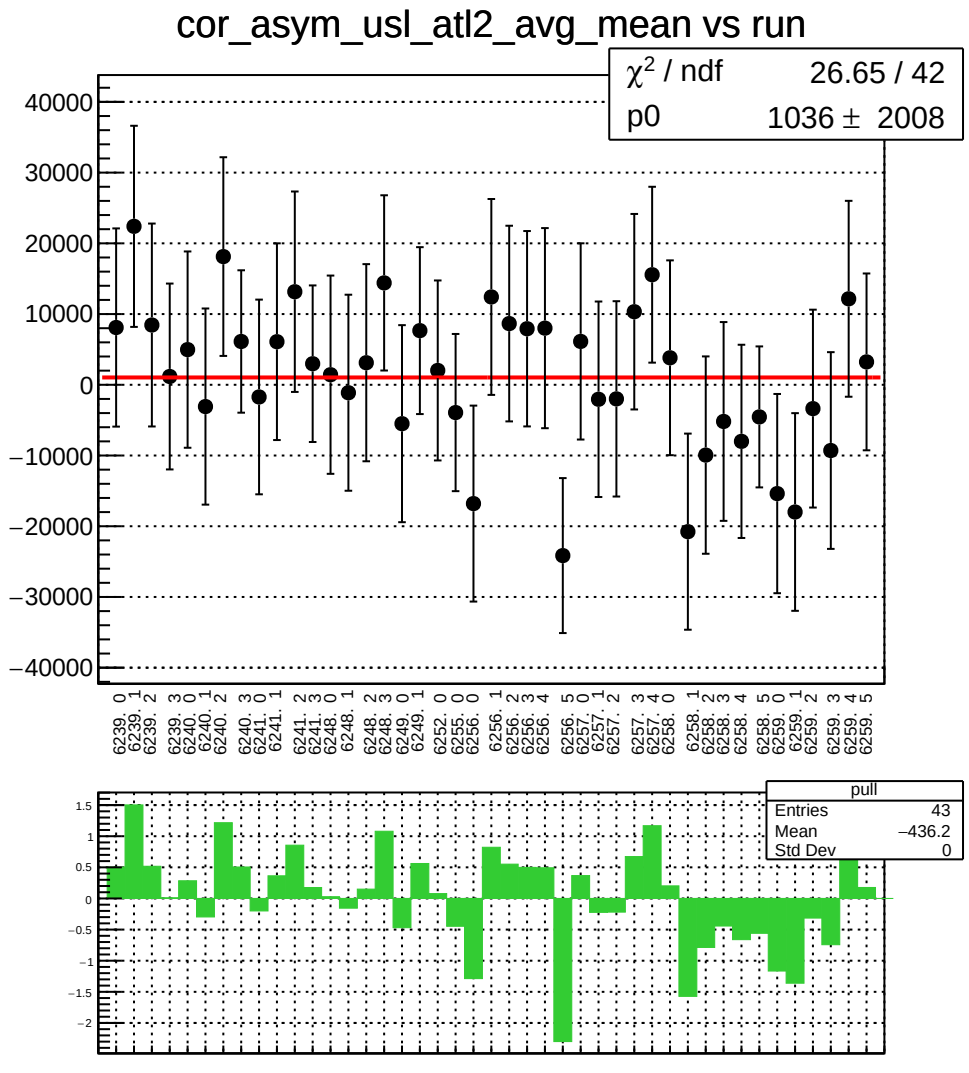

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 26.65 / 42
p0 1036 ± 2008
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −436.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

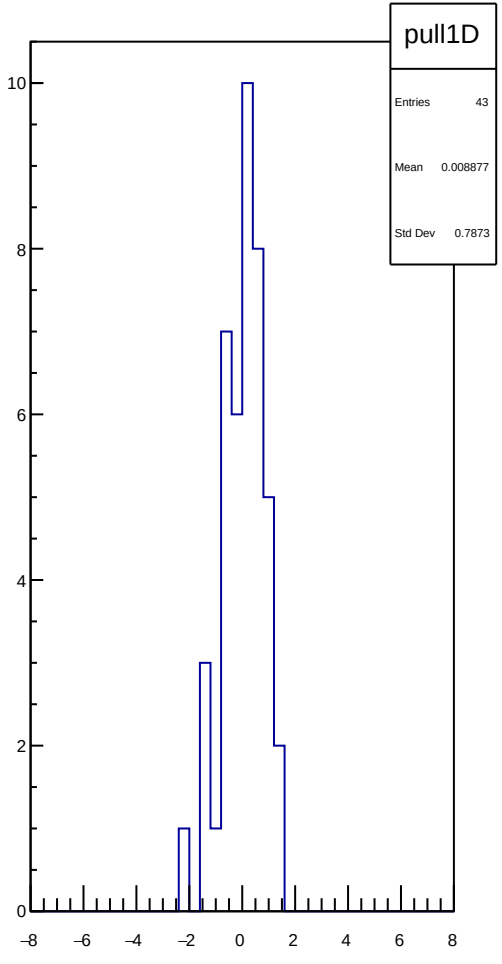

pull1D
Entries 43
Mean 0.008879
Std Dev 0.7873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

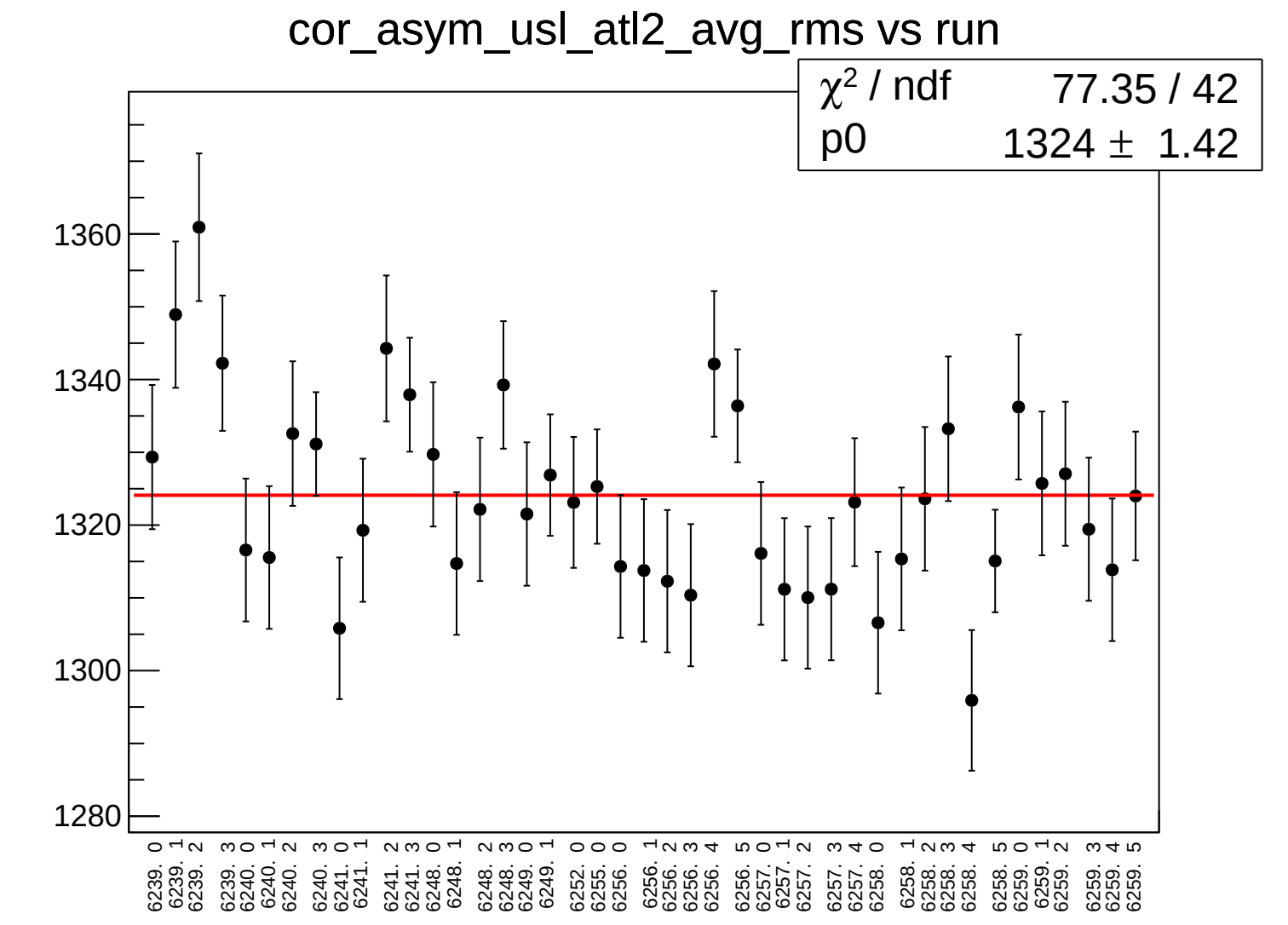

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 77.35 / 42
p0 1324 ± 1.42
1360
1340
1320
1300
1280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

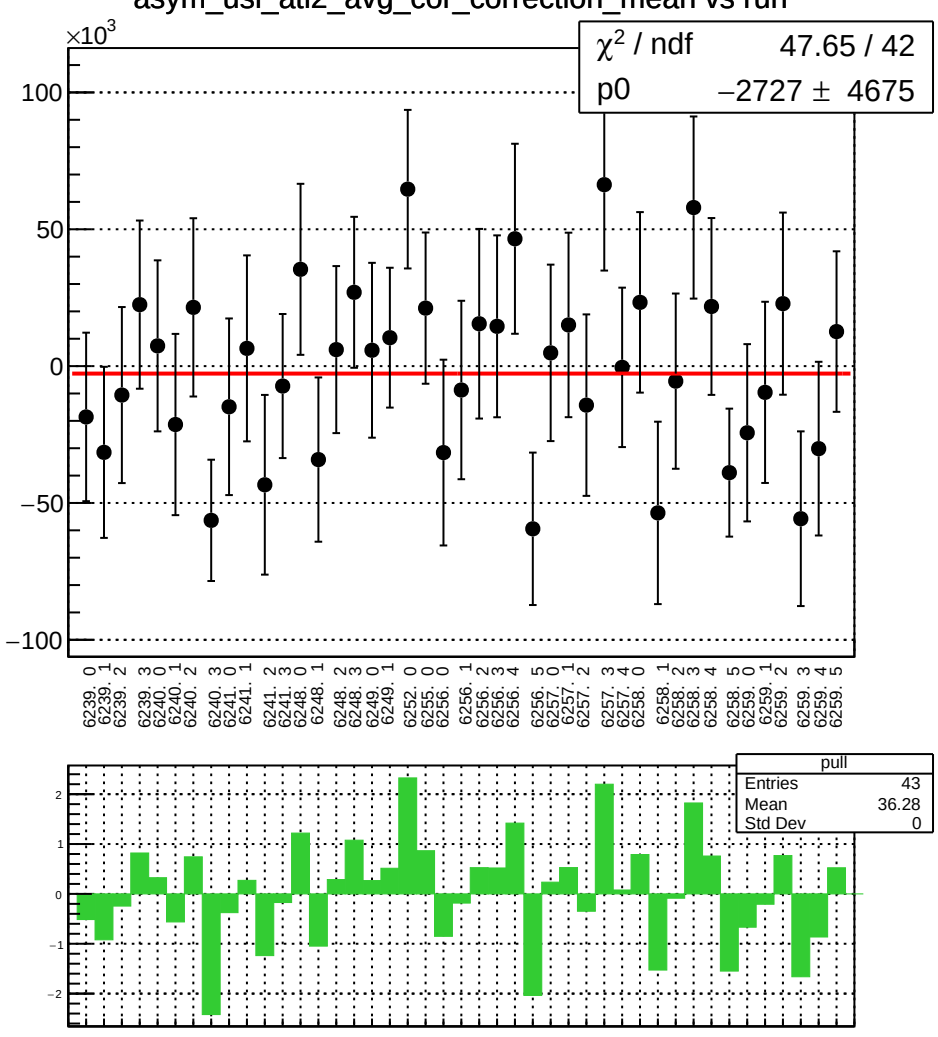

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 47.65 / 42
p0 −2727 ± 4675
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03267
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

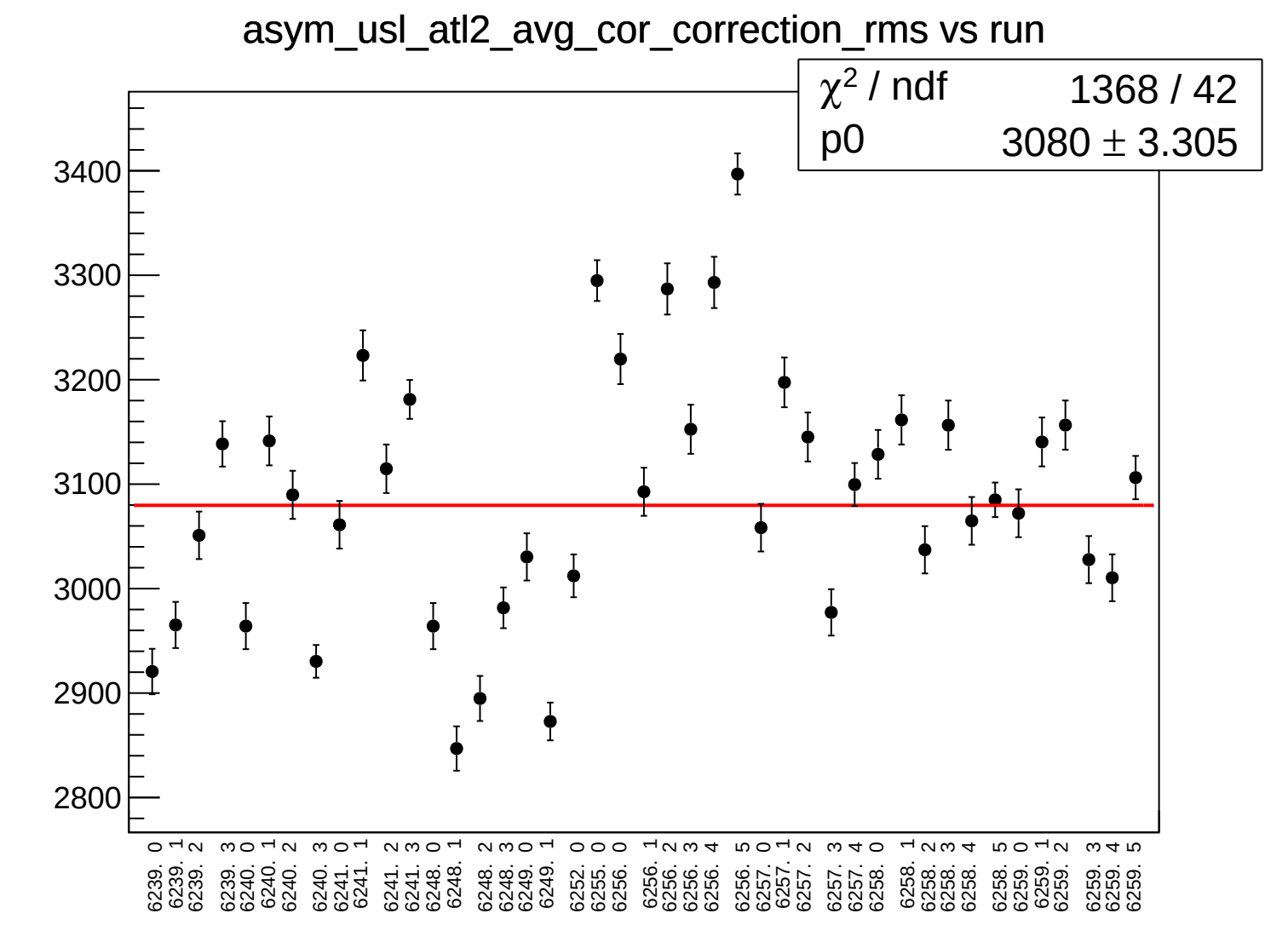

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1369 / 42
p0 3080 ± 3.305
3400
3300
3200
3100
3000
2900
2800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

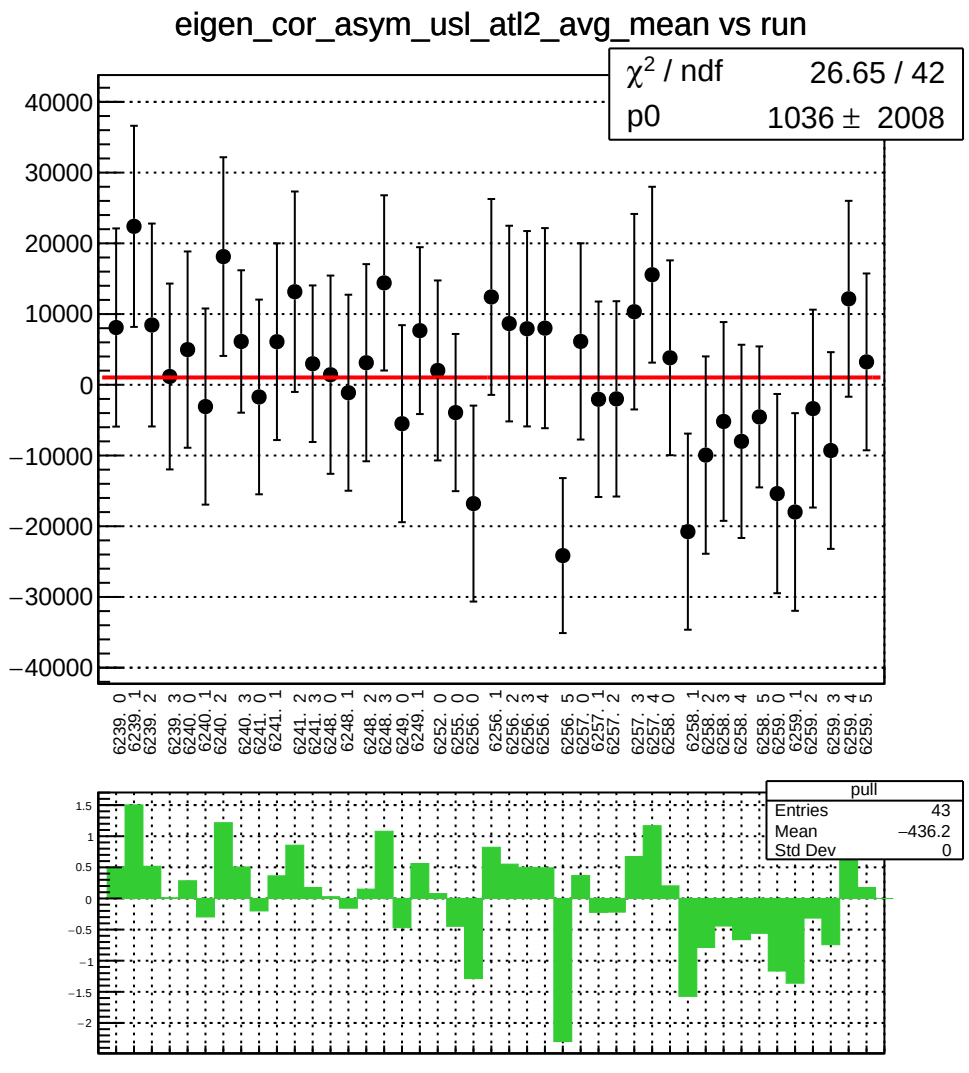

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 26.65 / 42
p0 1036 ± 2008
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −436.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

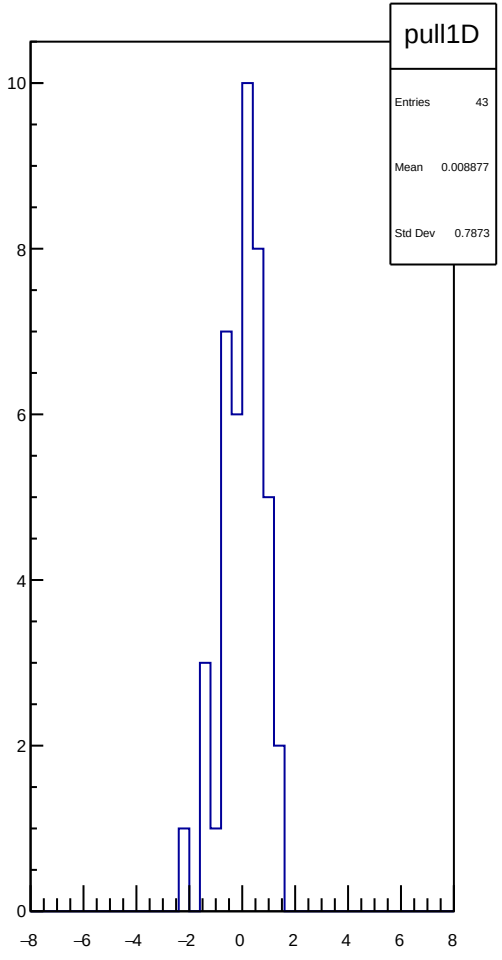

pull1D
Entries 43
Mean 0.008877
Std Dev 0.7873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

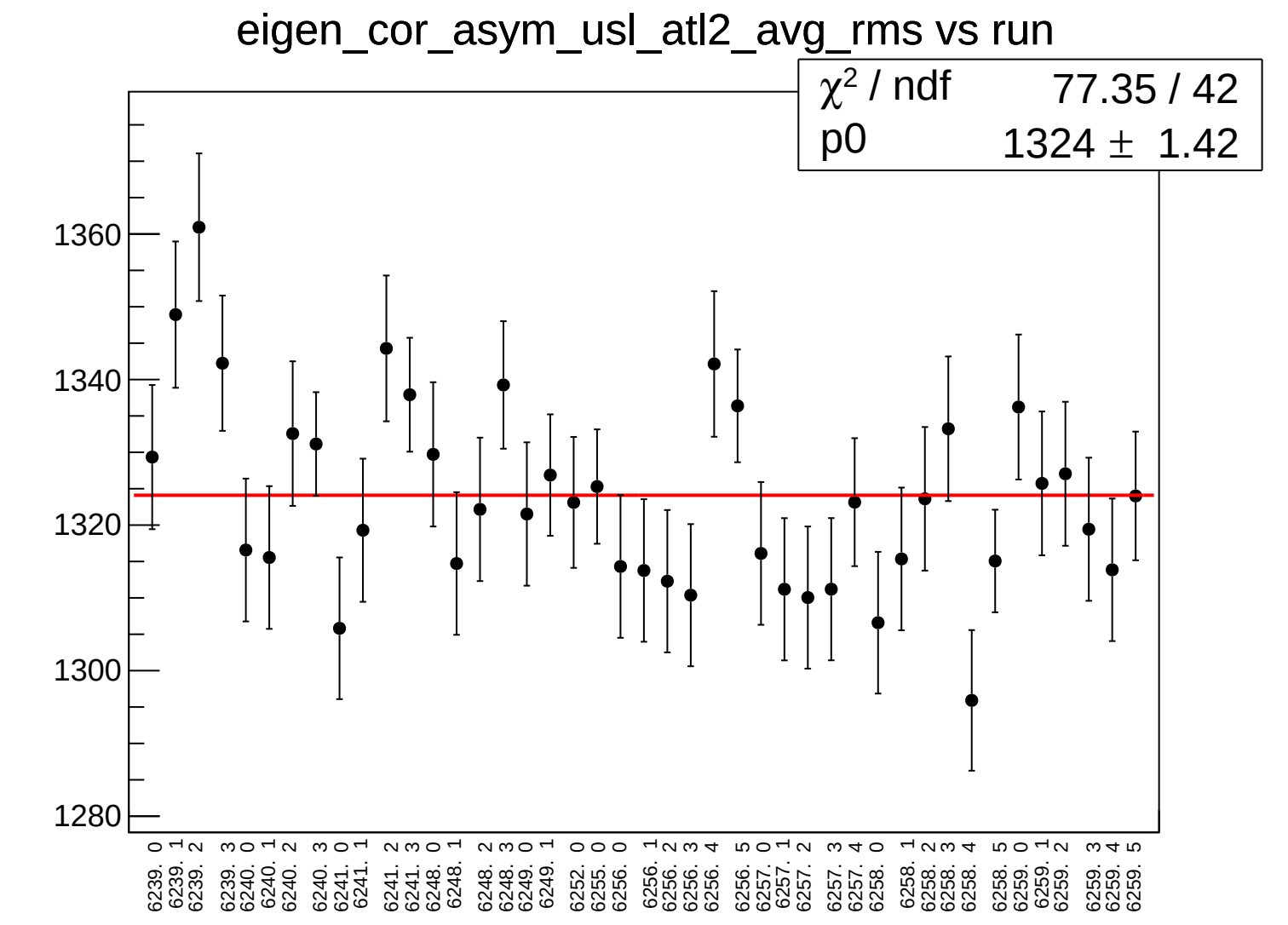

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 77.35 / 42
p0 1324 ± 1.42
1360
1340
1320
1300
1280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

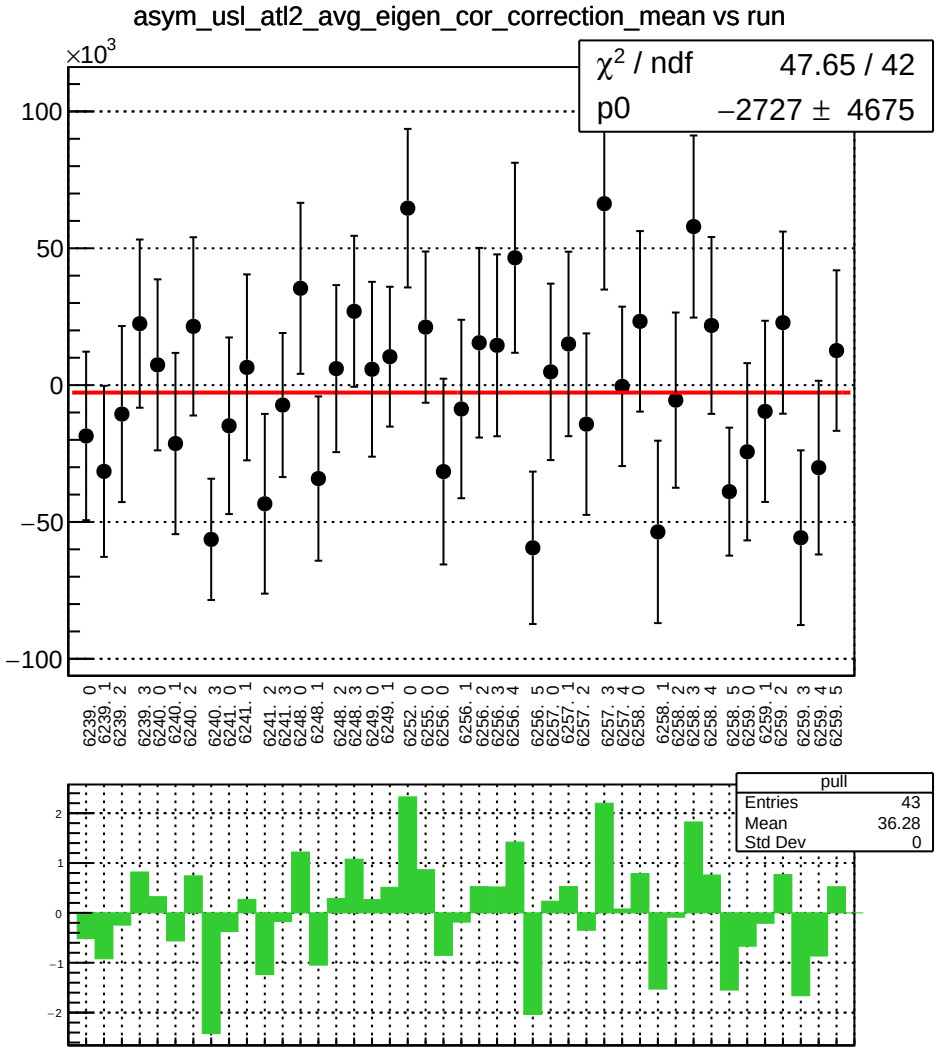

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 47.65 / 42
p0 −2727 ± 4675
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03268
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

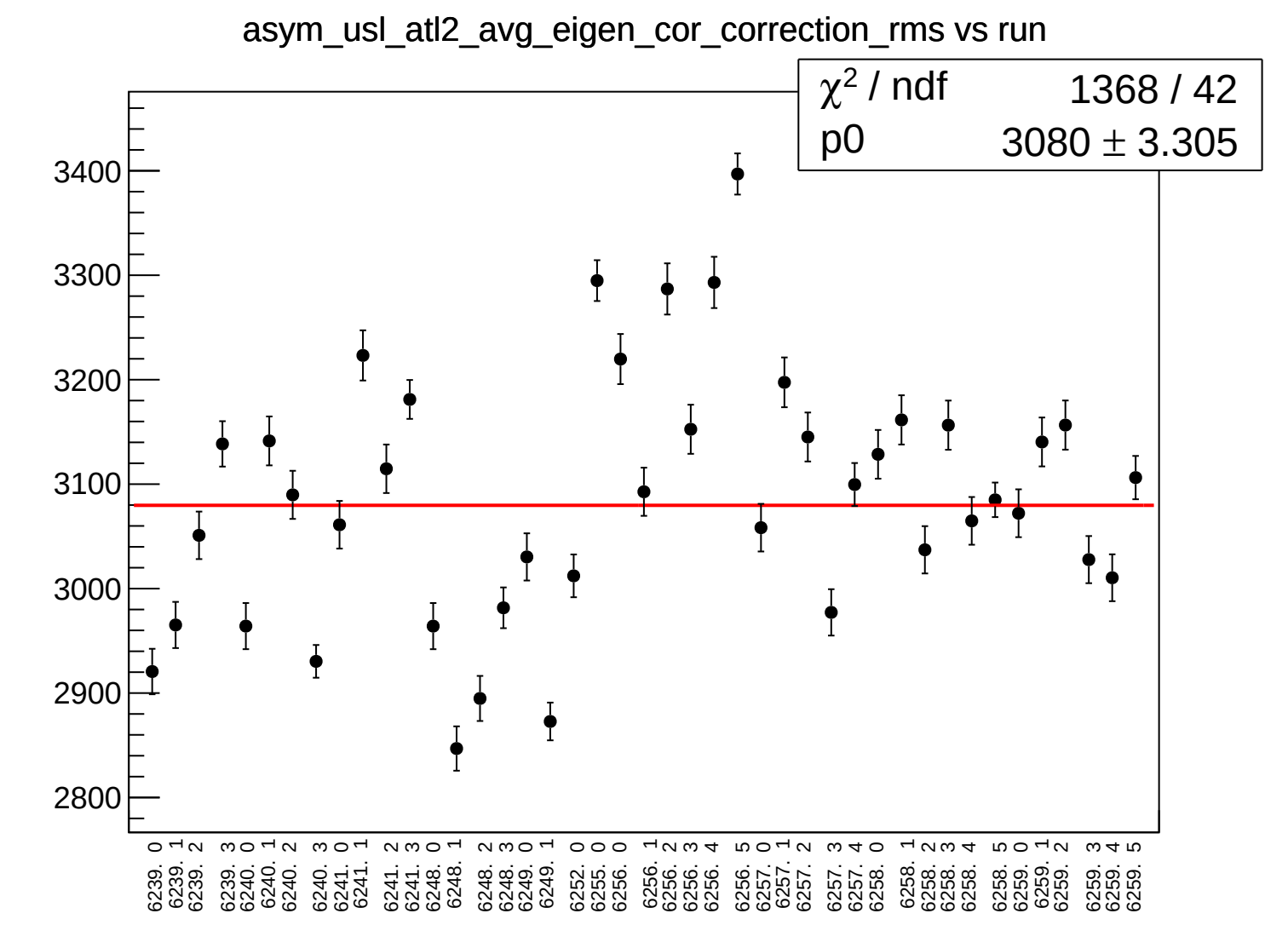

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1368 / 42
p0 3080 ± 3.305
3400
3300
3200
3100
3000
2900
2800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

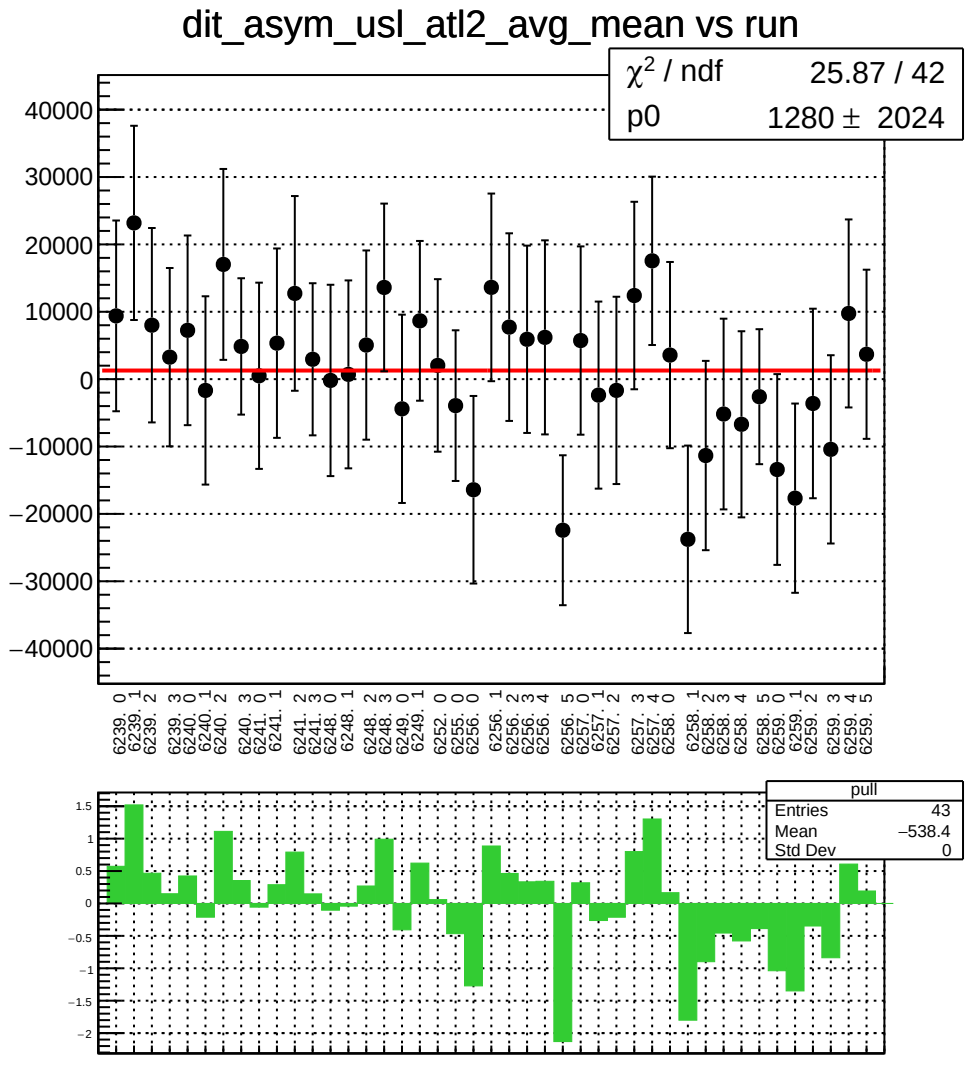

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 26.65 / 42
p0 1036 ± 2008
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −436.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

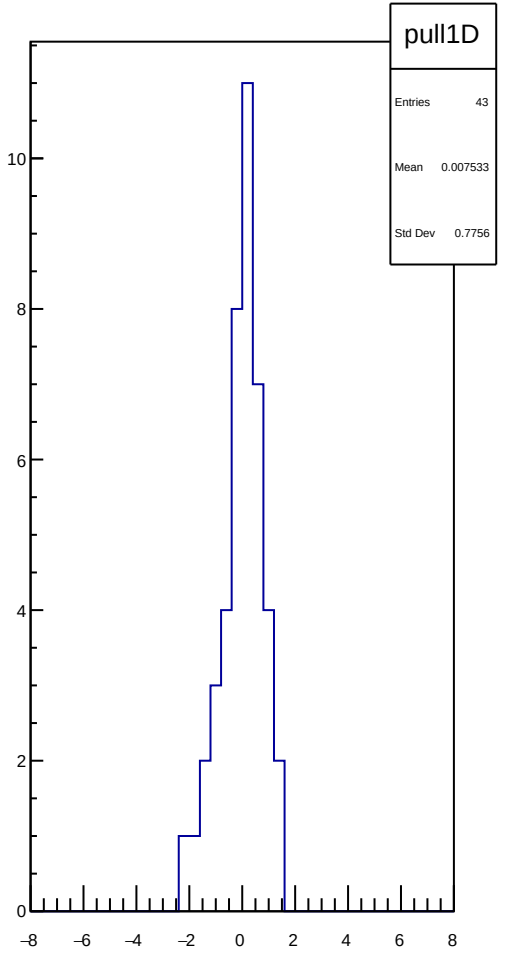

pull1D
Entries 43
Mean 0.008877
Std Dev 0.7873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

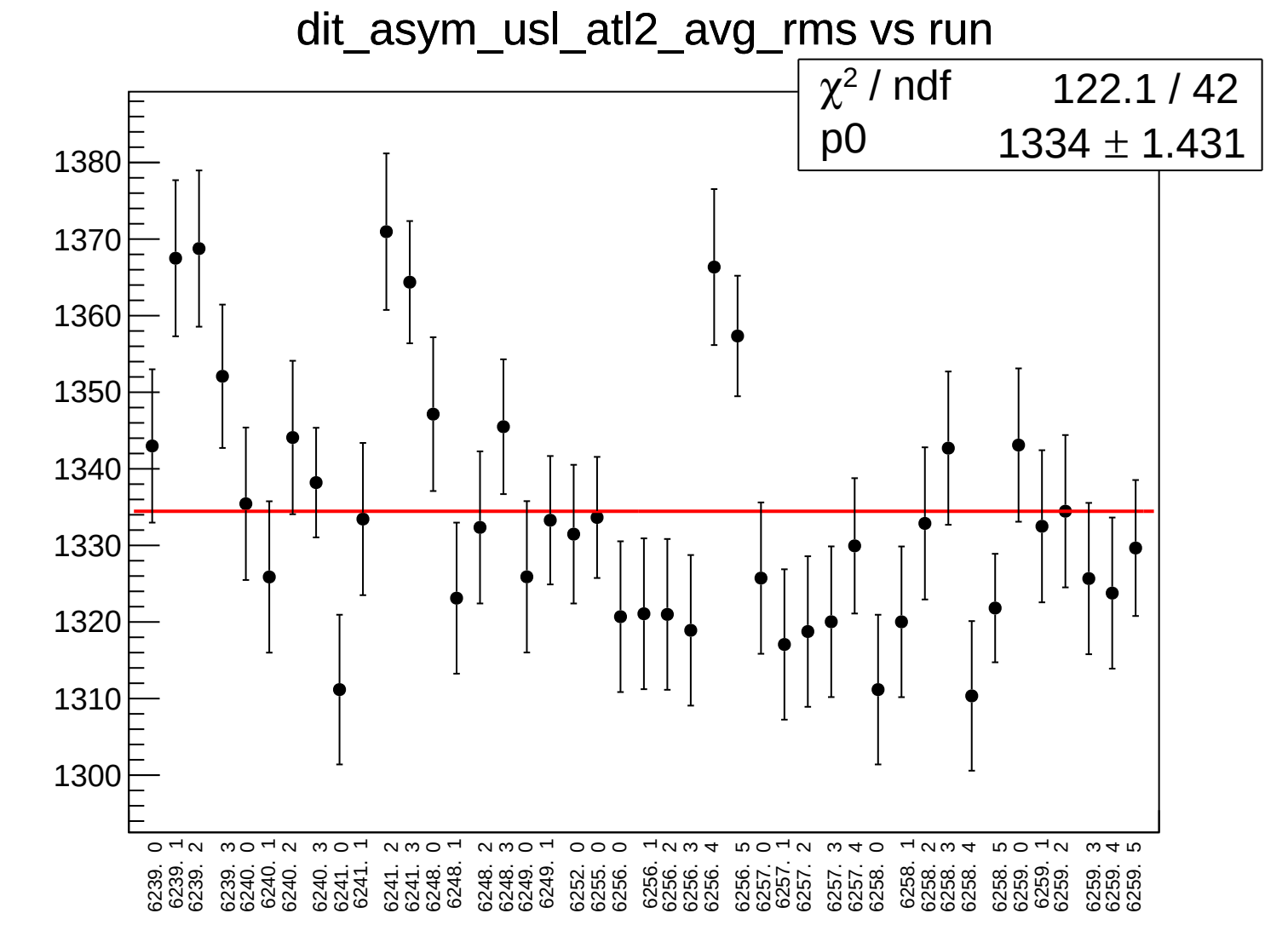

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 77.35 / 42
p0 1324 ± 1.42
1360
1340
1320
1300
1280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

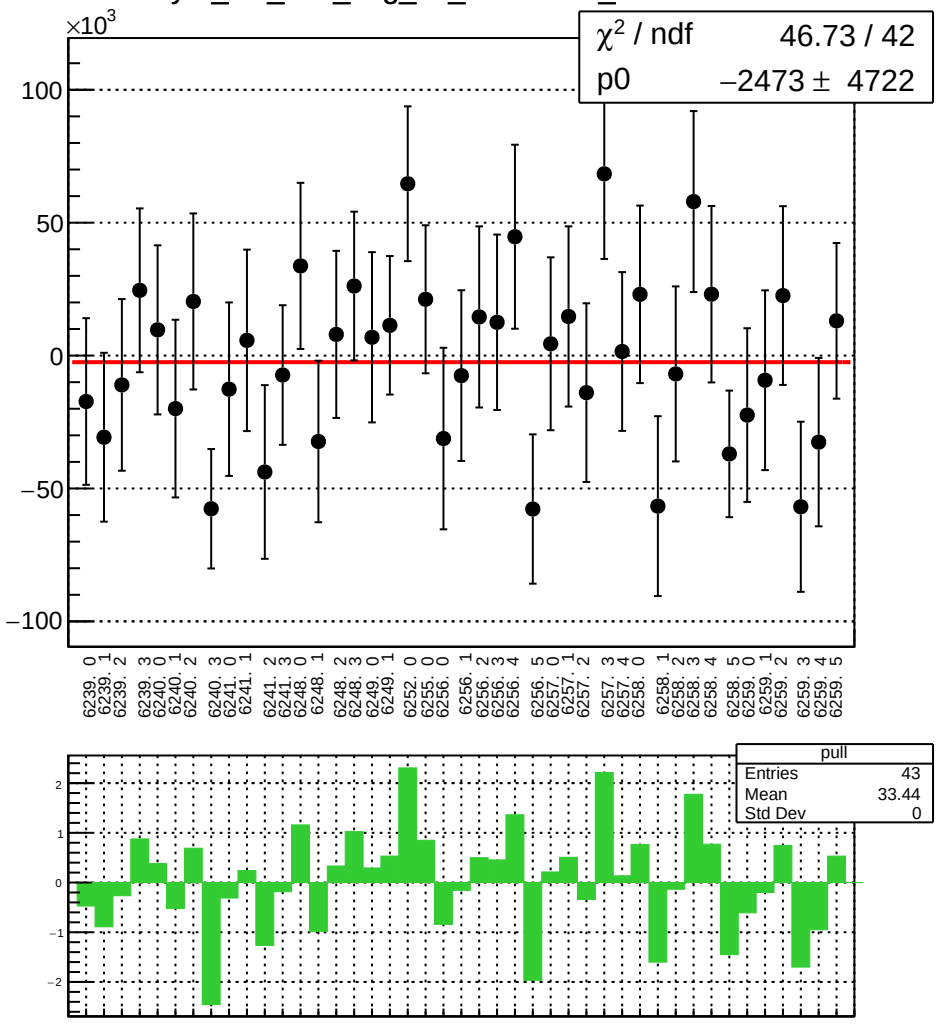

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 47.65 / 42
p0 −2727 ± 4675
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03268
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

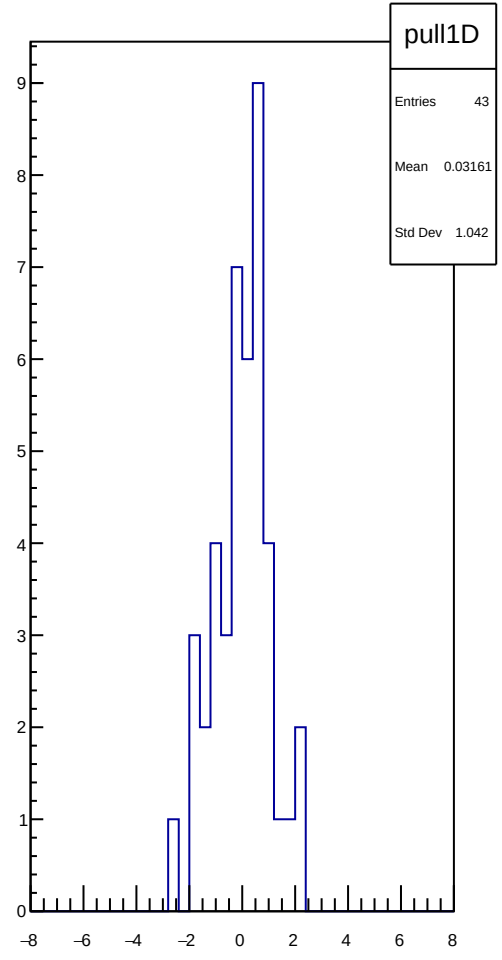

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1368 / 42
p0 3080 ± 3.305
3400
3300
3200
3100
3000
2900
2800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

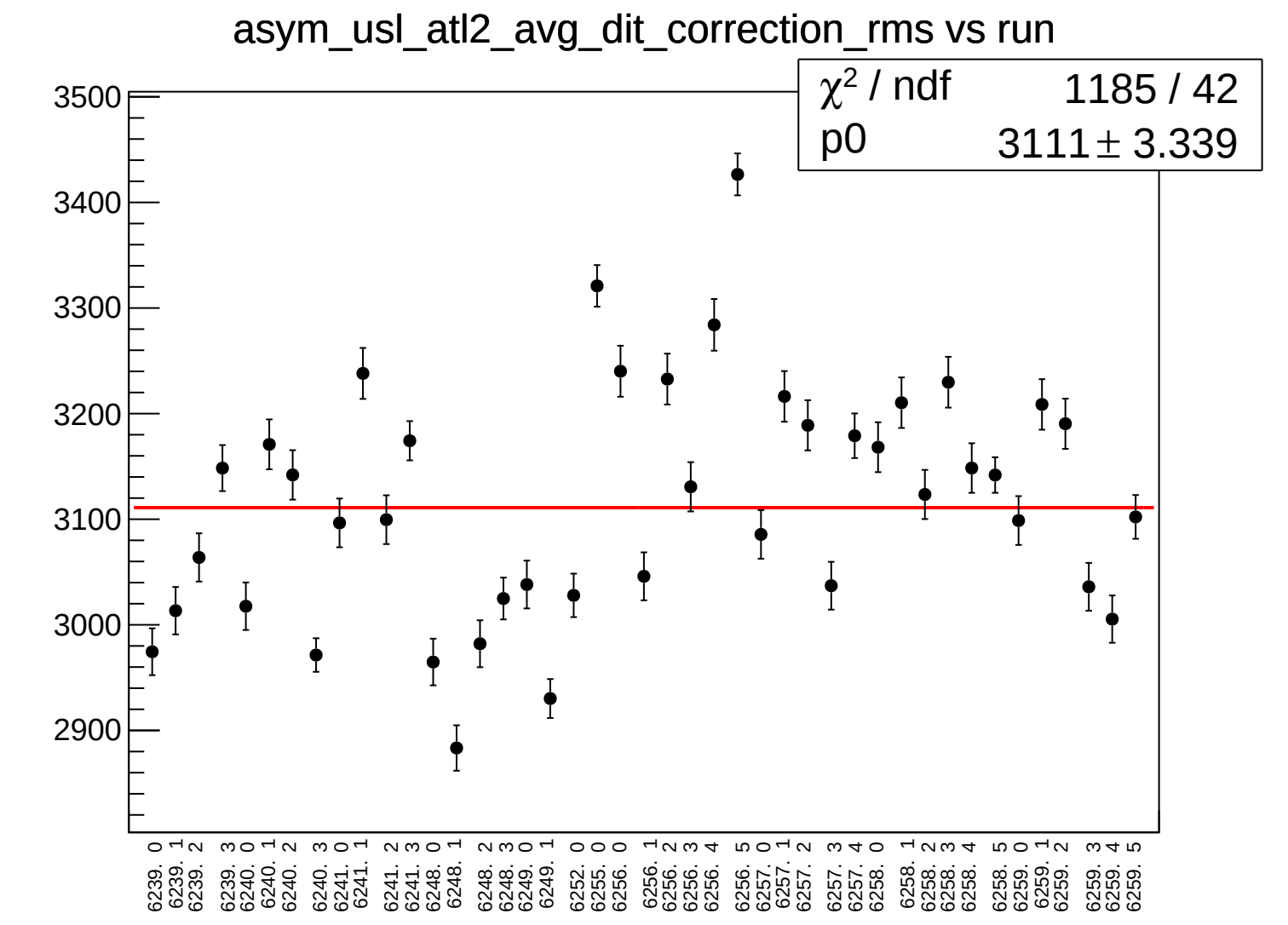

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 25.87 / 42
p0 1280 ± 2024
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −538.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

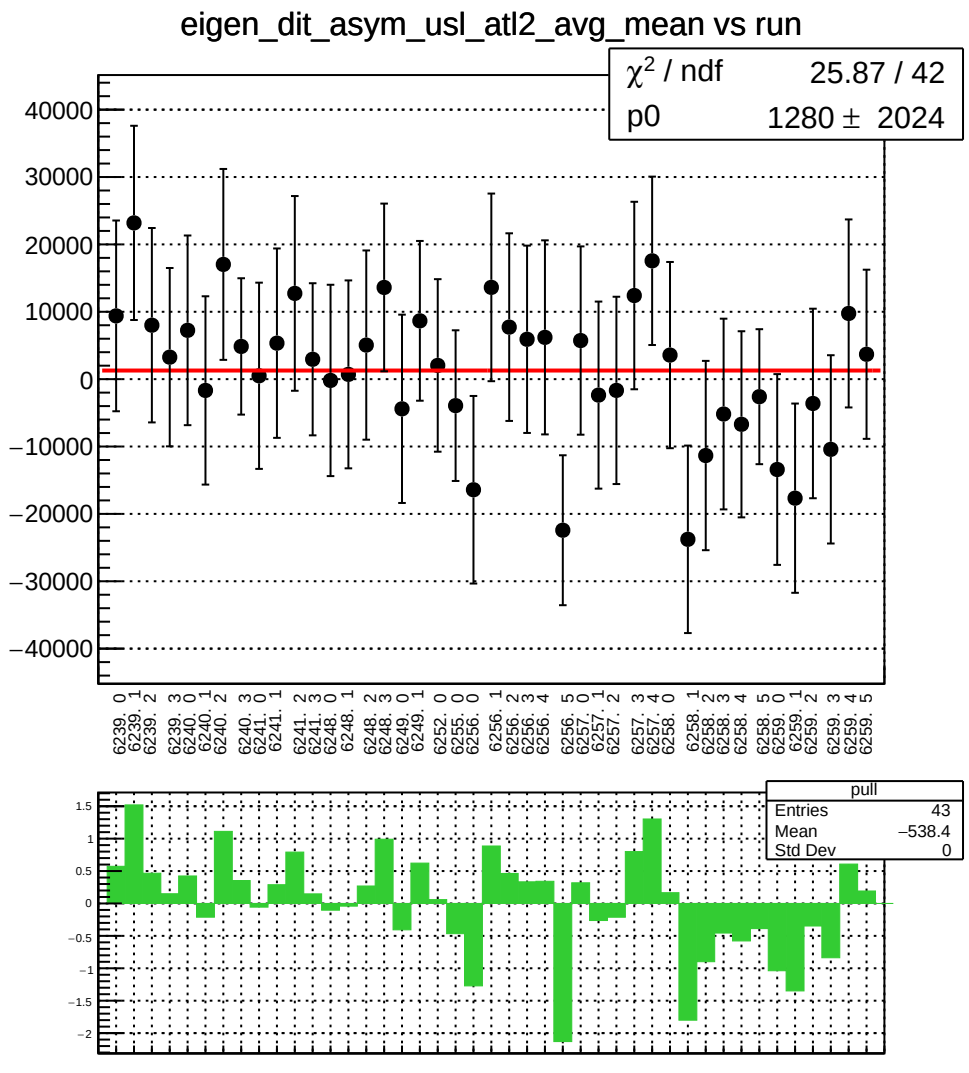

pull1D
Entries 43
Mean 0.007533
Std Dev 0.7756
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

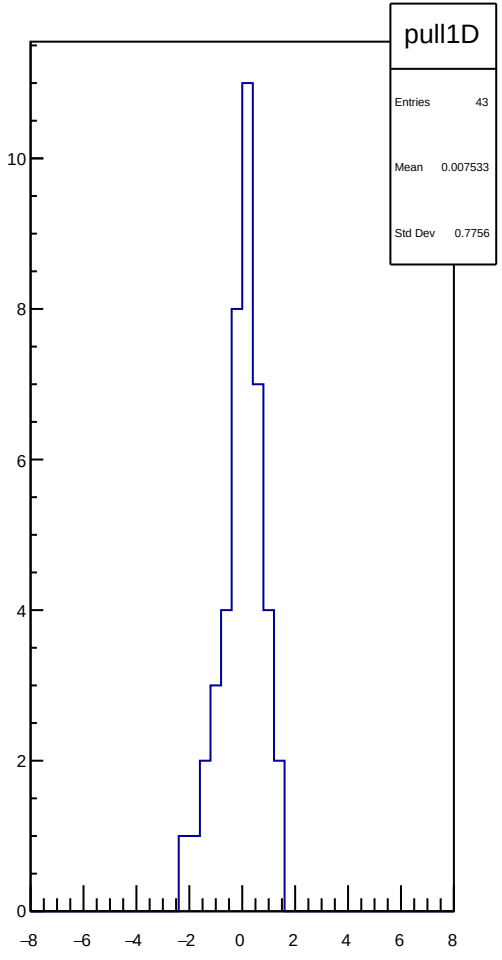

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 122.1 / 42
p0 1334 ± 1.431
1380
1370
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

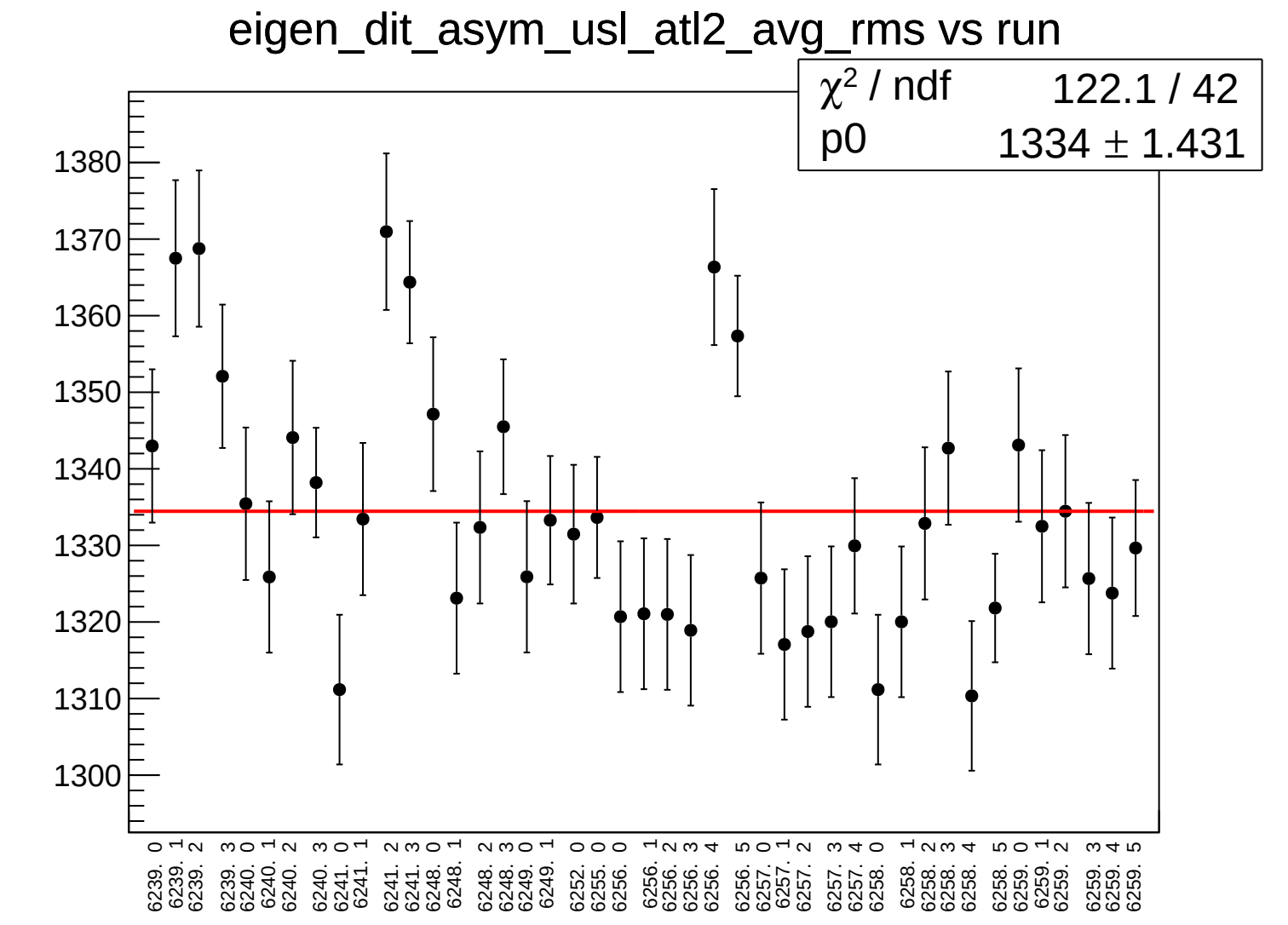

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 46.73 / 42
p0 −2473 ± 4722
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.44
Std Dev 0
2
1
0
−1
−2

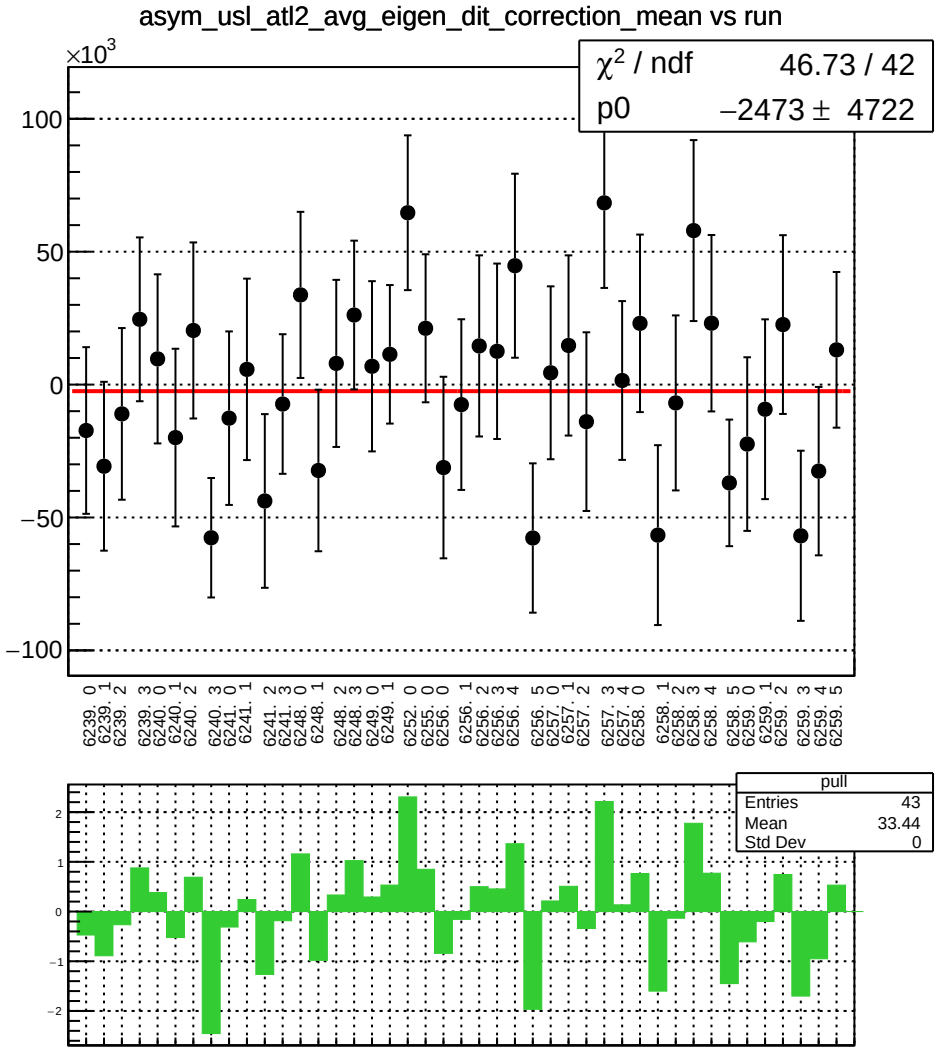

pull1D
Entries 43
Mean 0.03161
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

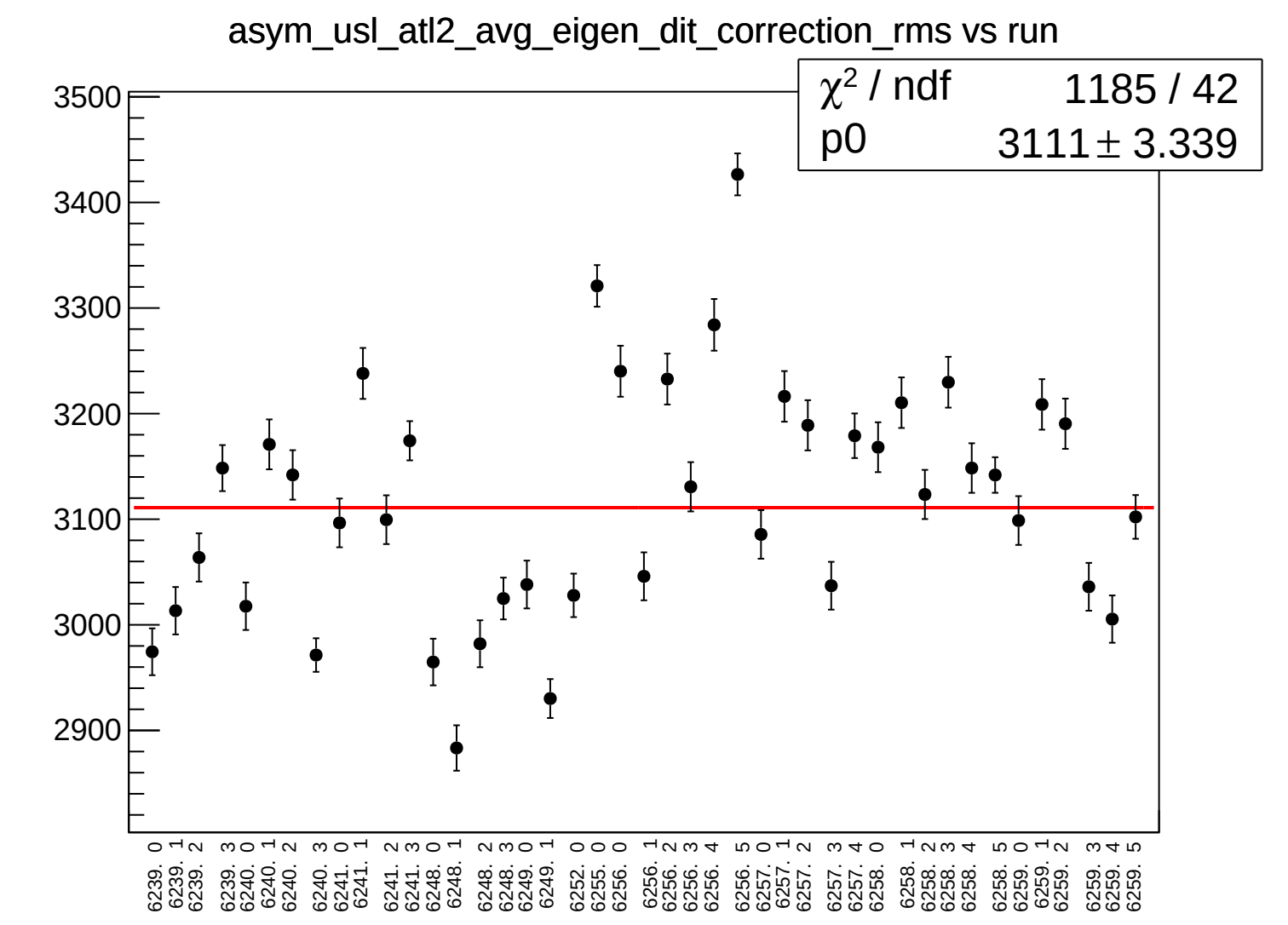

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1185 / 42
p0 3111 ± 3.339
3500
3400
3300
3200
3100
3000
2900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

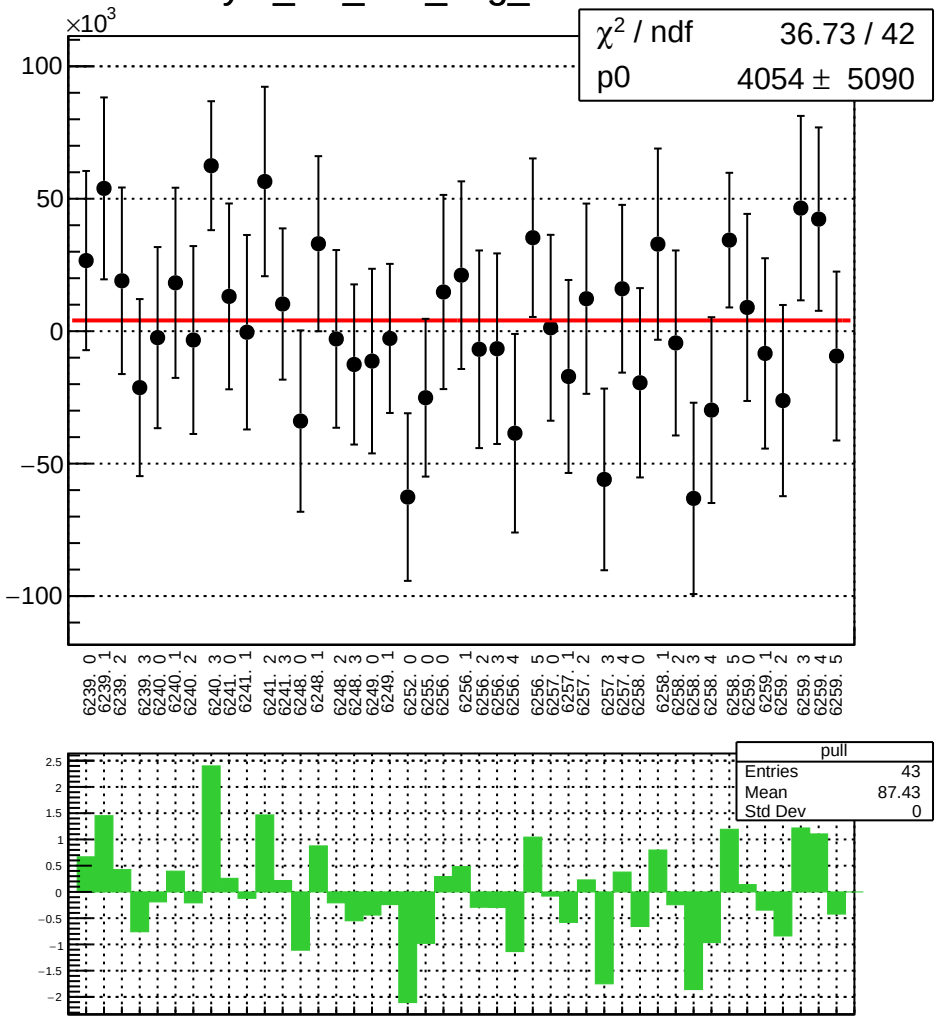

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 25.87 / 42
p0 1280 ± 2024
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −538.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

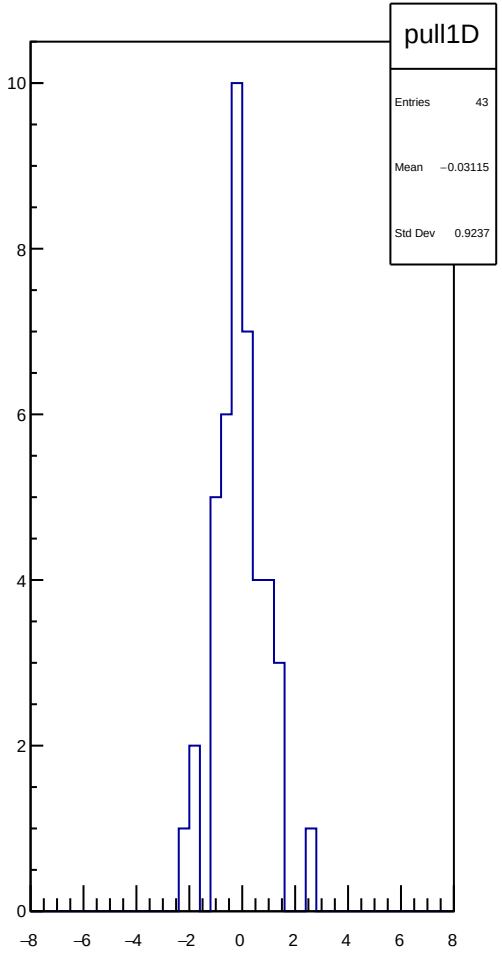

pull1D
Entries 43
Mean 0.007533
Std Dev 0.7756
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

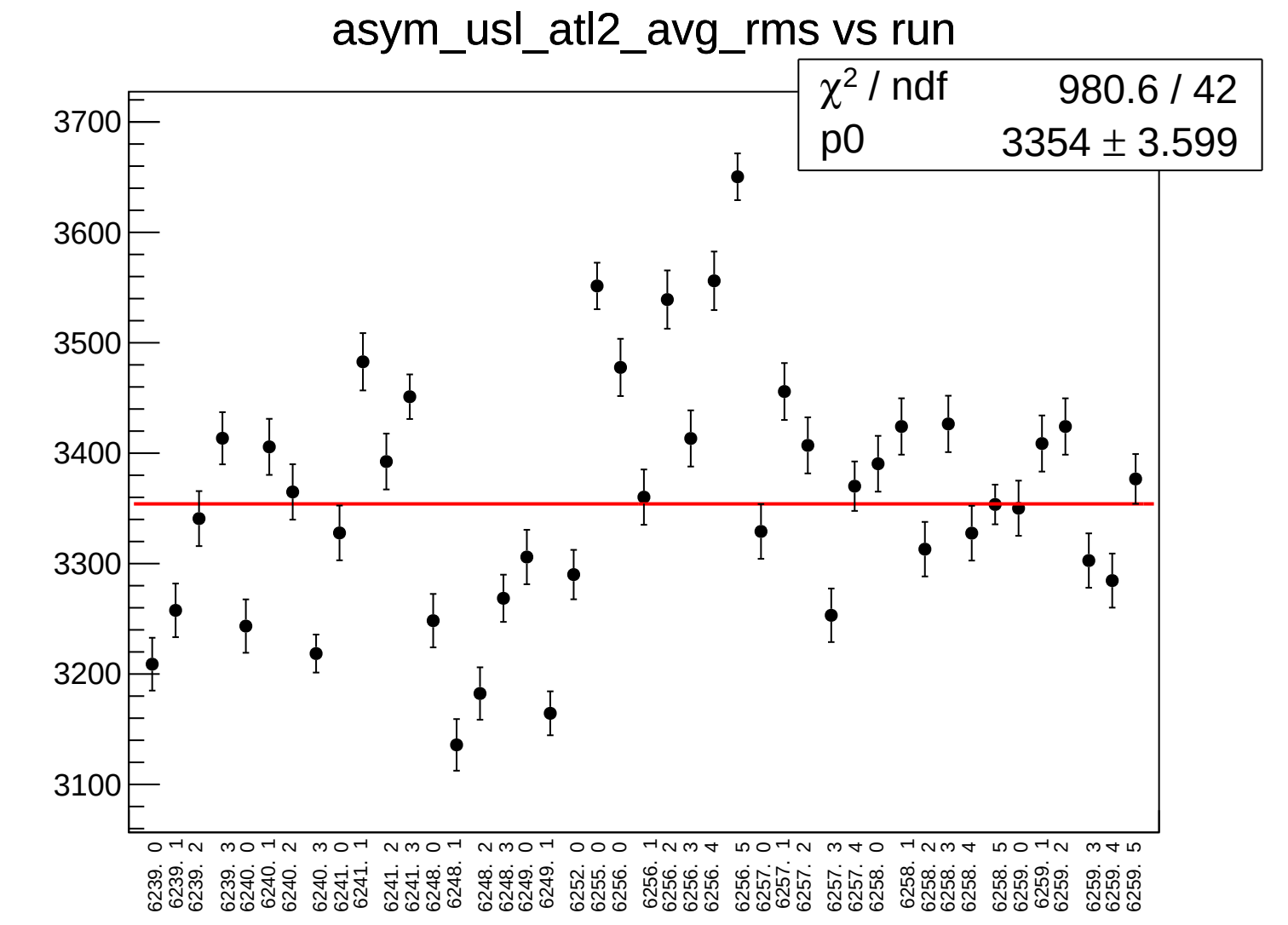

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 122.1 / 42
p0 1334 ± 1.431
1380
1370
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

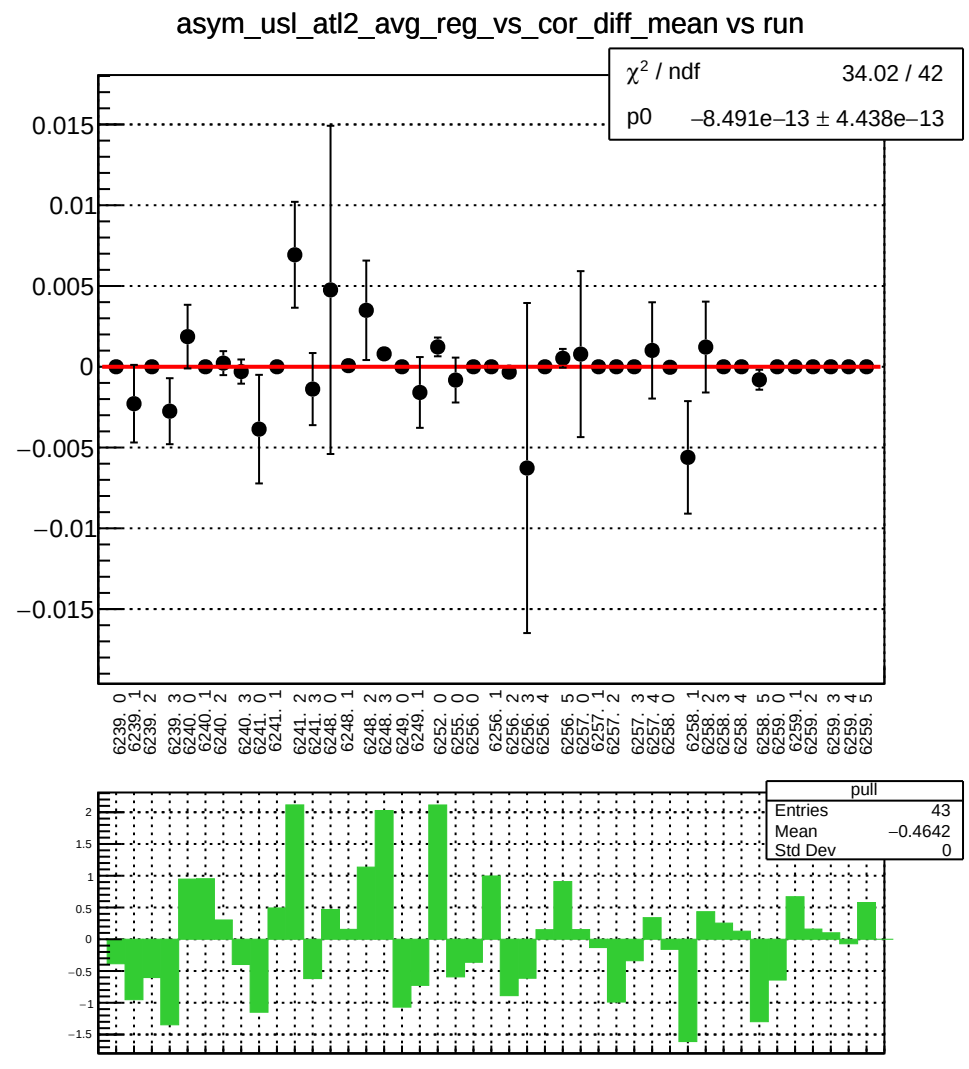

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 46.73 / 42
p0 −2473 ± 4722
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03161
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

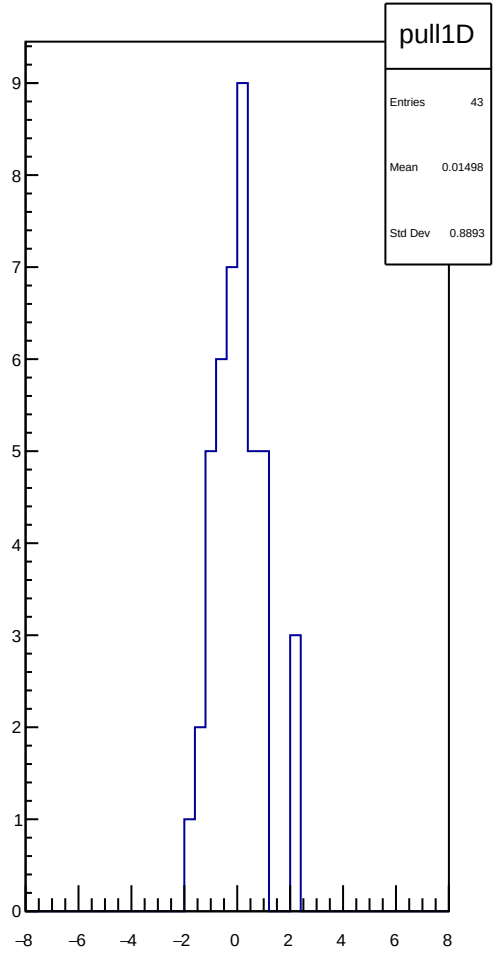

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1185 / 42
p0 3111 ± 3.339
3500
3400
3300
3200
3100
3000
2900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

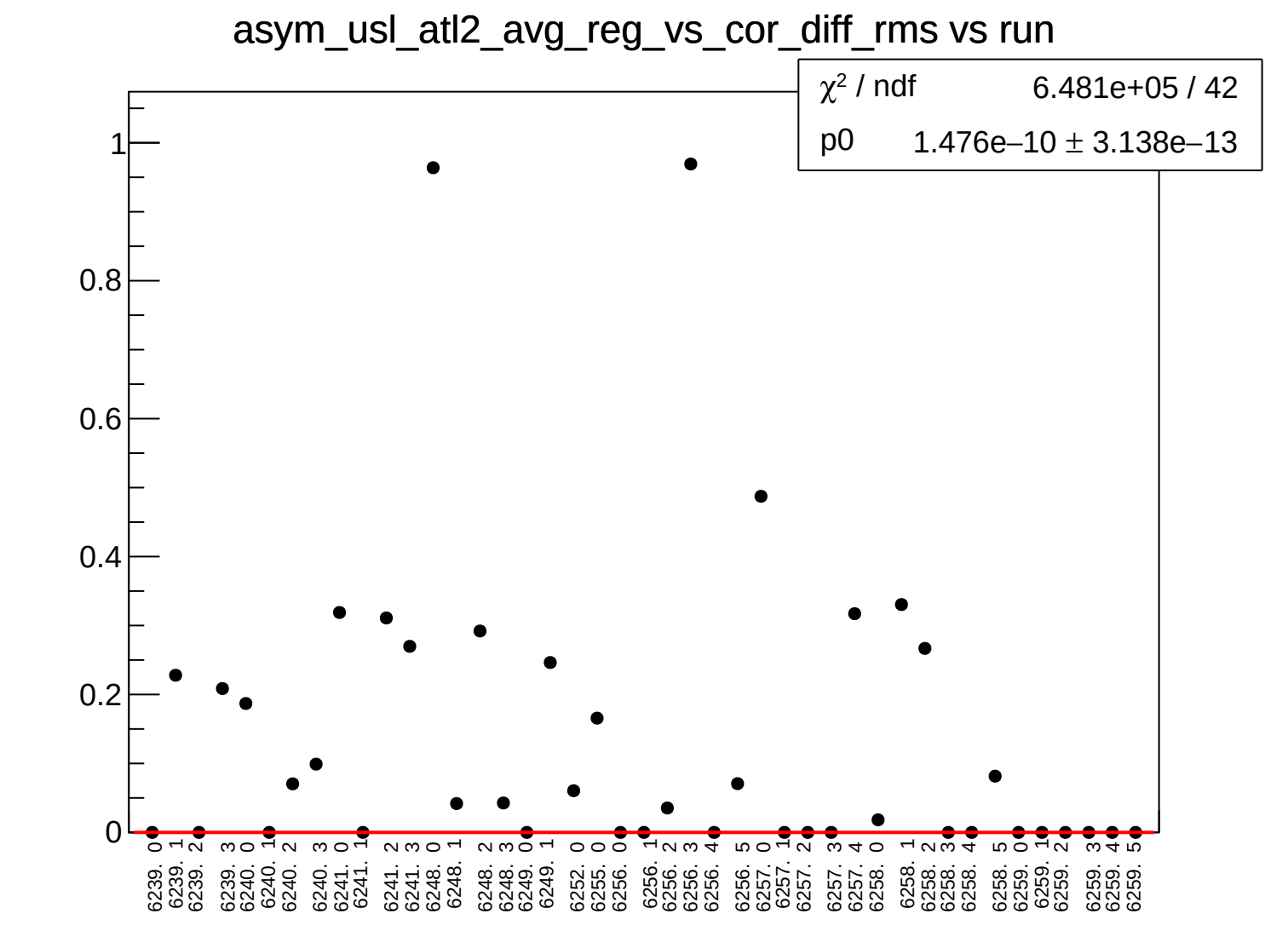

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 36.73 / 42
p0 4054 ± 5090
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.43
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

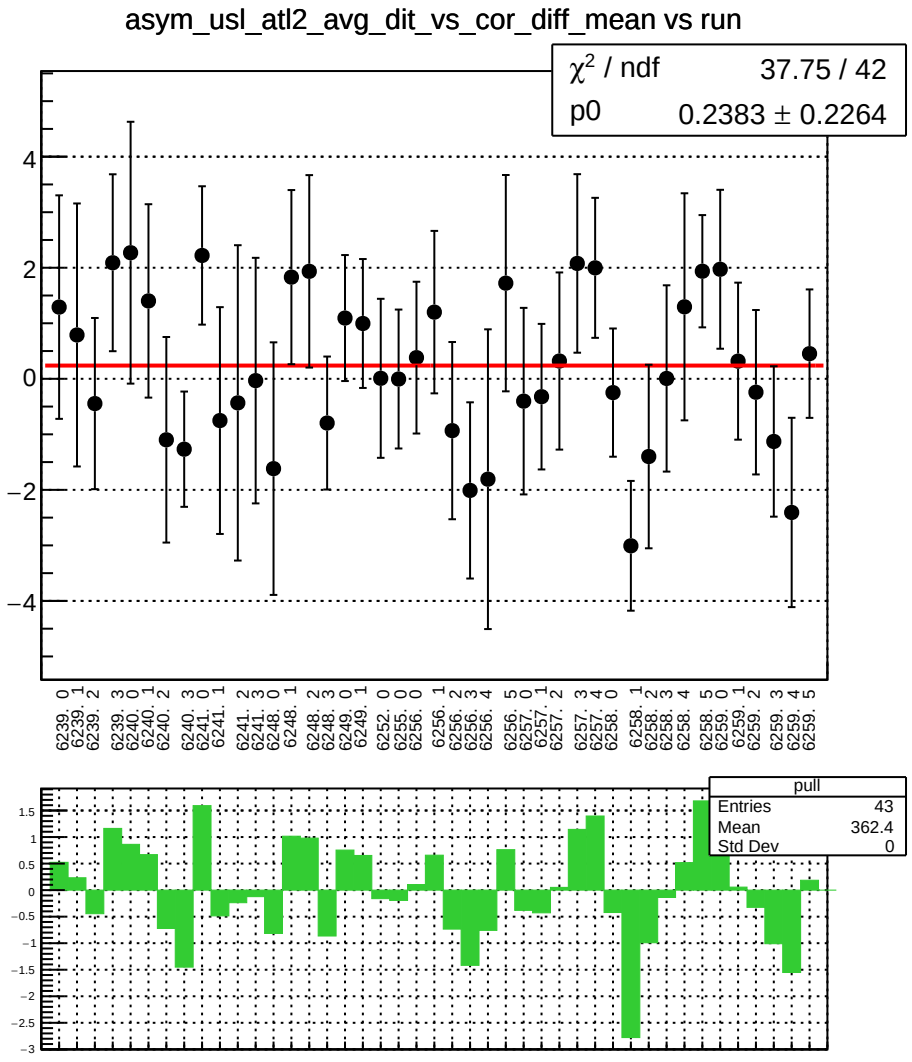

pull1D
Entries 43
Mean −0.03115
Std Dev 0.9237
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

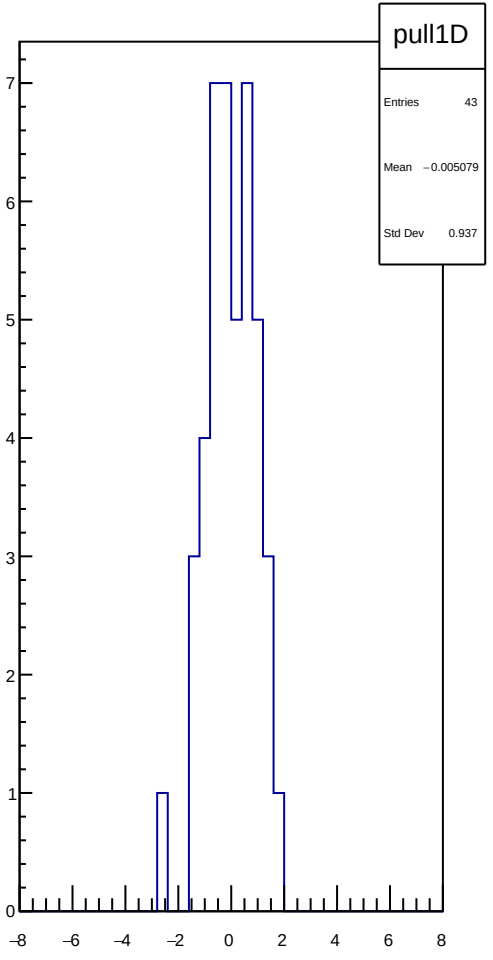

asym_usl_atl2_avg_rms vs run
χ² / ndf 980.6 / 42
p0 3354 ± 3.599
3700
3600
3500
3400
3300
3200
3100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

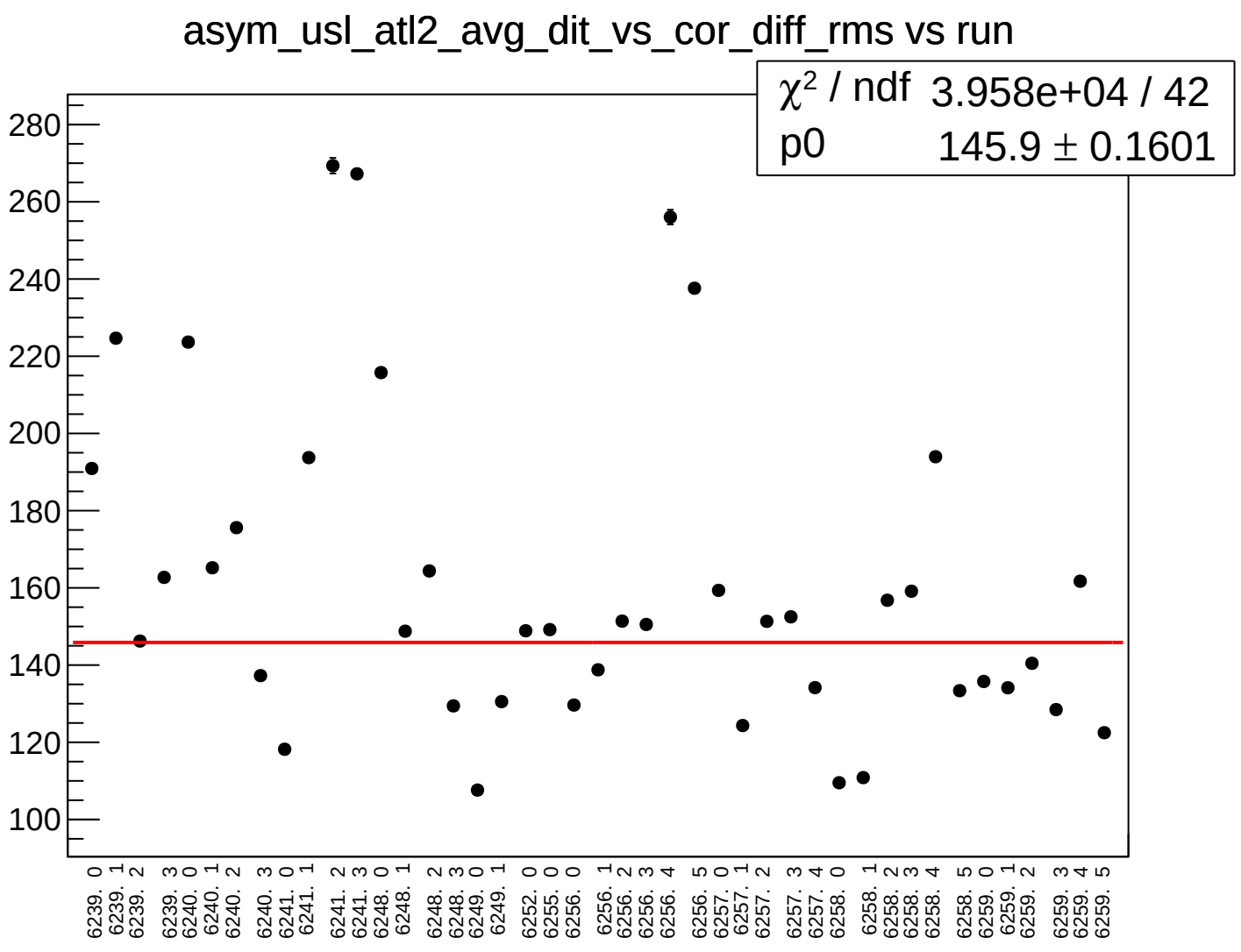

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.02 / 42
p0 −8.491e−13 ± 4.438e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.4642
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

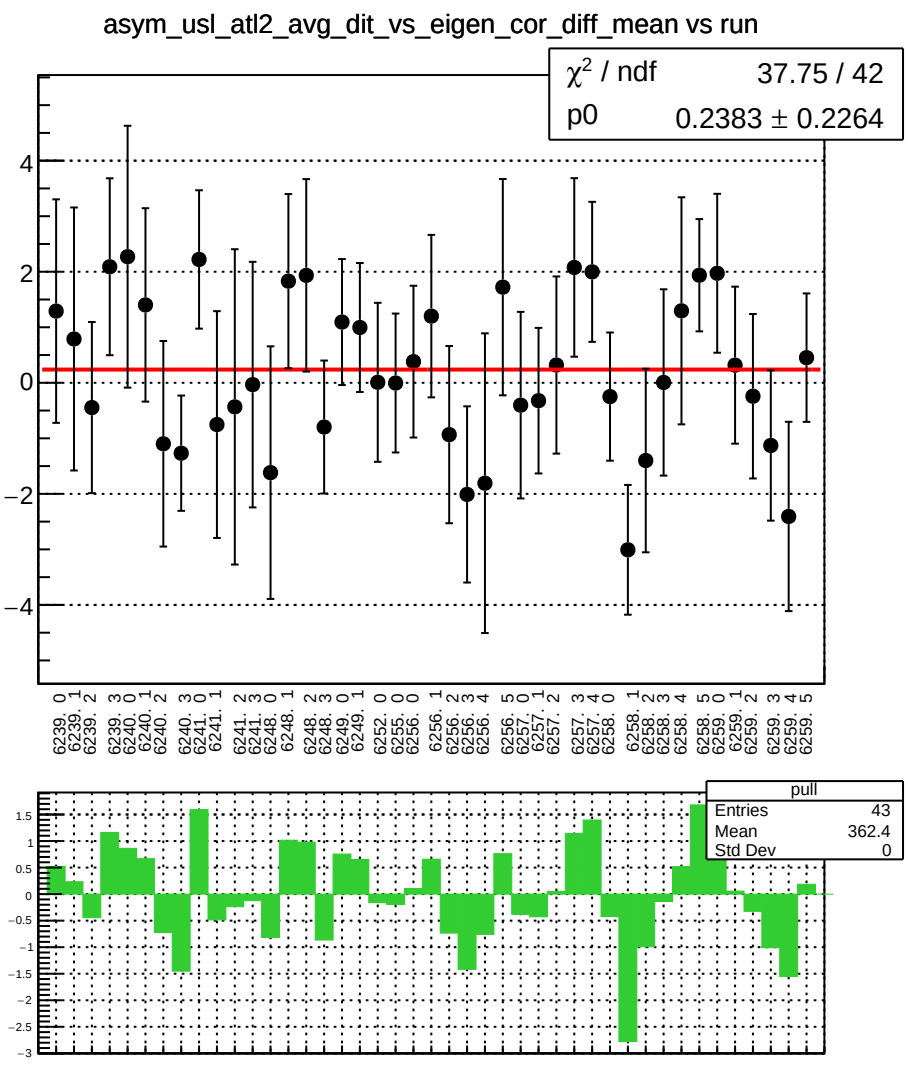

pull1D
Entries 43
Mean 0.01498
Std Dev 0.8893
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

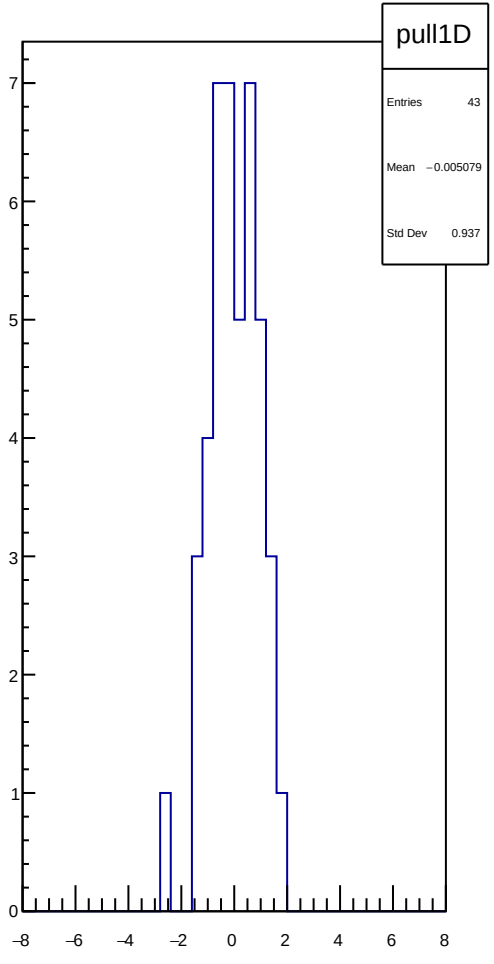

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.481e+05 / 42
p0 1.476e−10 ± 3.138e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

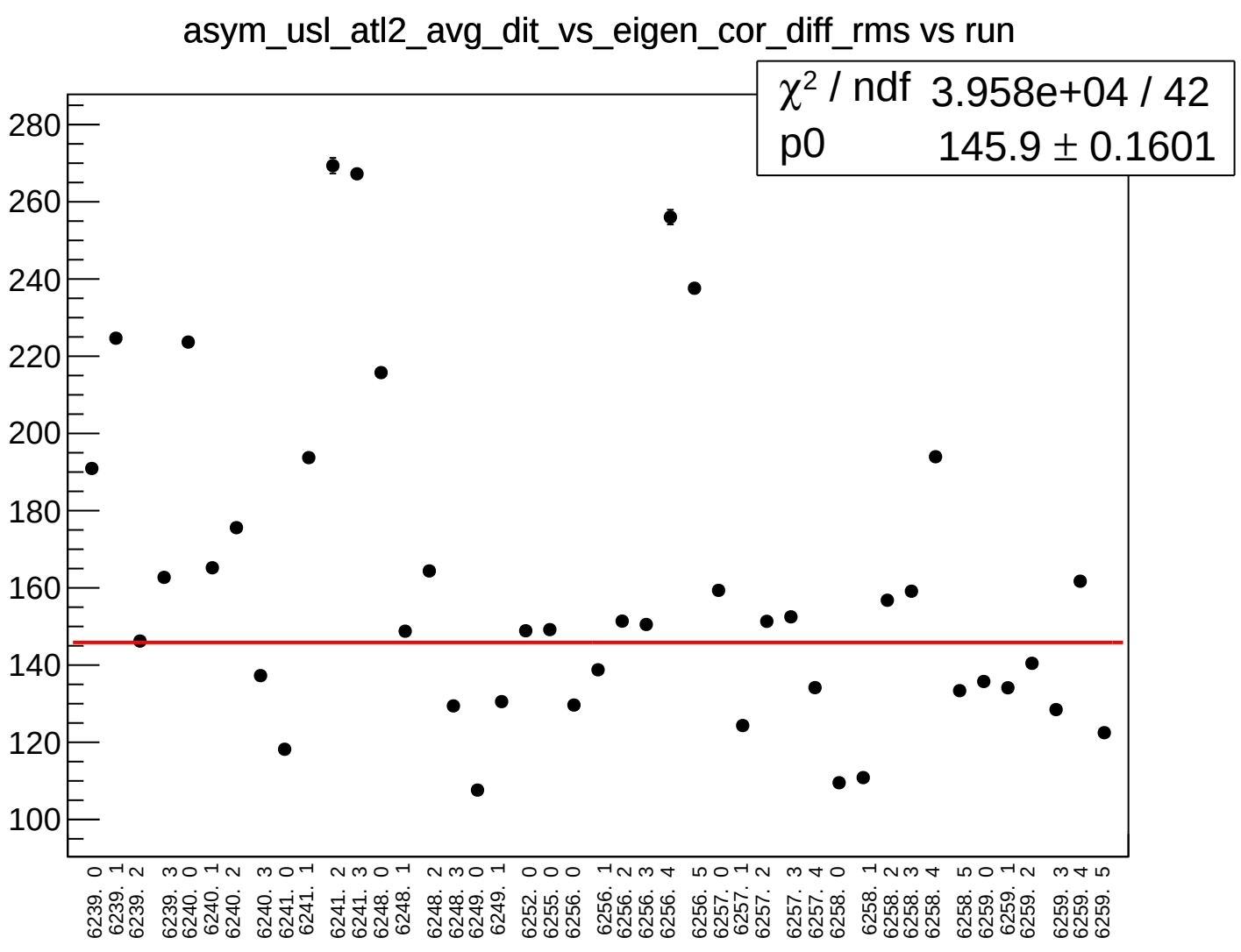

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.75 / 42
p0 0.2383 ± 0.2264
pull
Entries 43
Mean 362.4
Std Dev 0

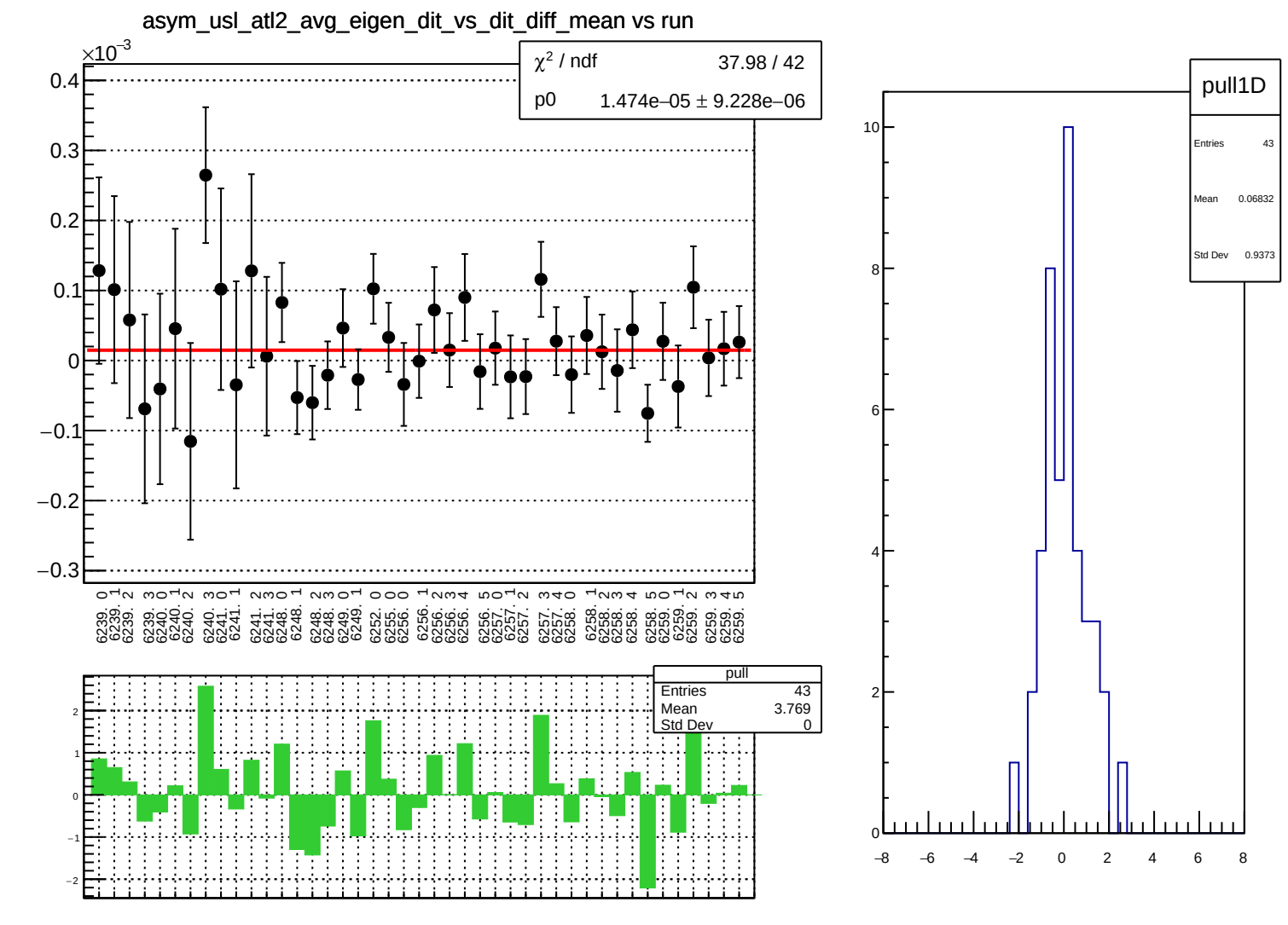

pull1D
Entries 43
Mean −0.005079
Std Dev 0.937

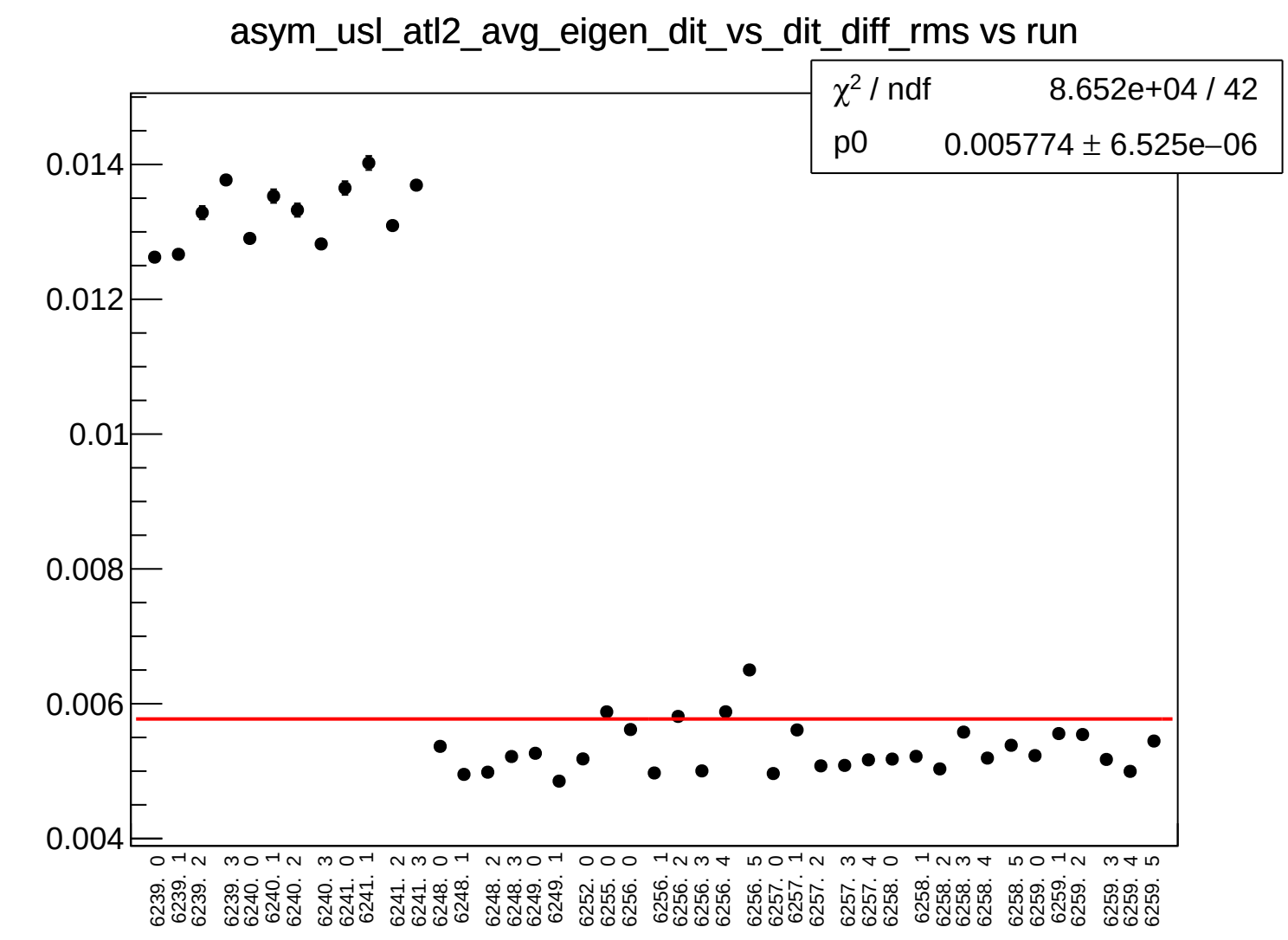

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.958e+04 / 42
p0 145.9 ± 0.1601
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

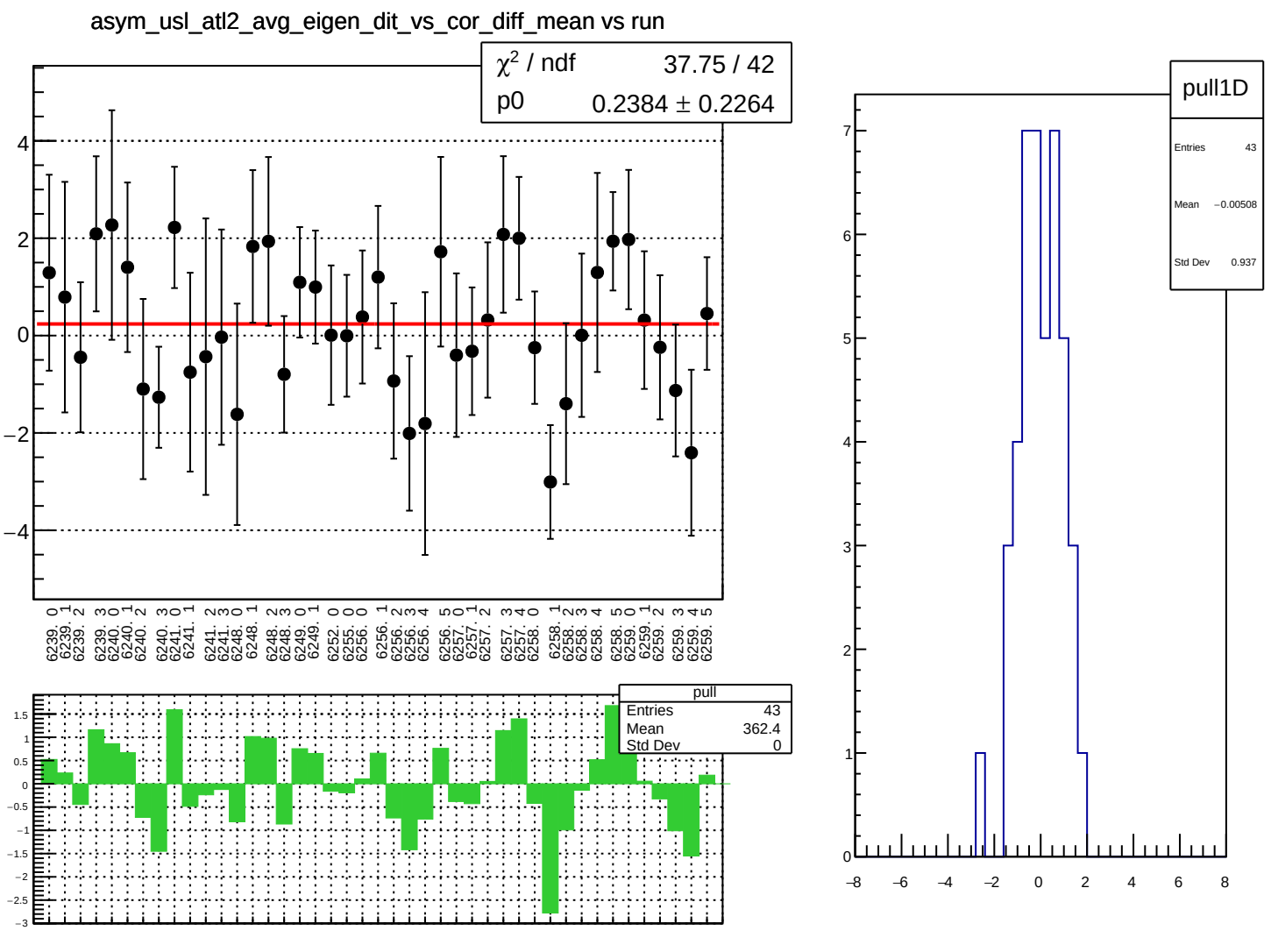

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.75 / 42
p0 0.2383 ± 0.2264
pull
Entries 43
Mean 362.4
Std Dev 0

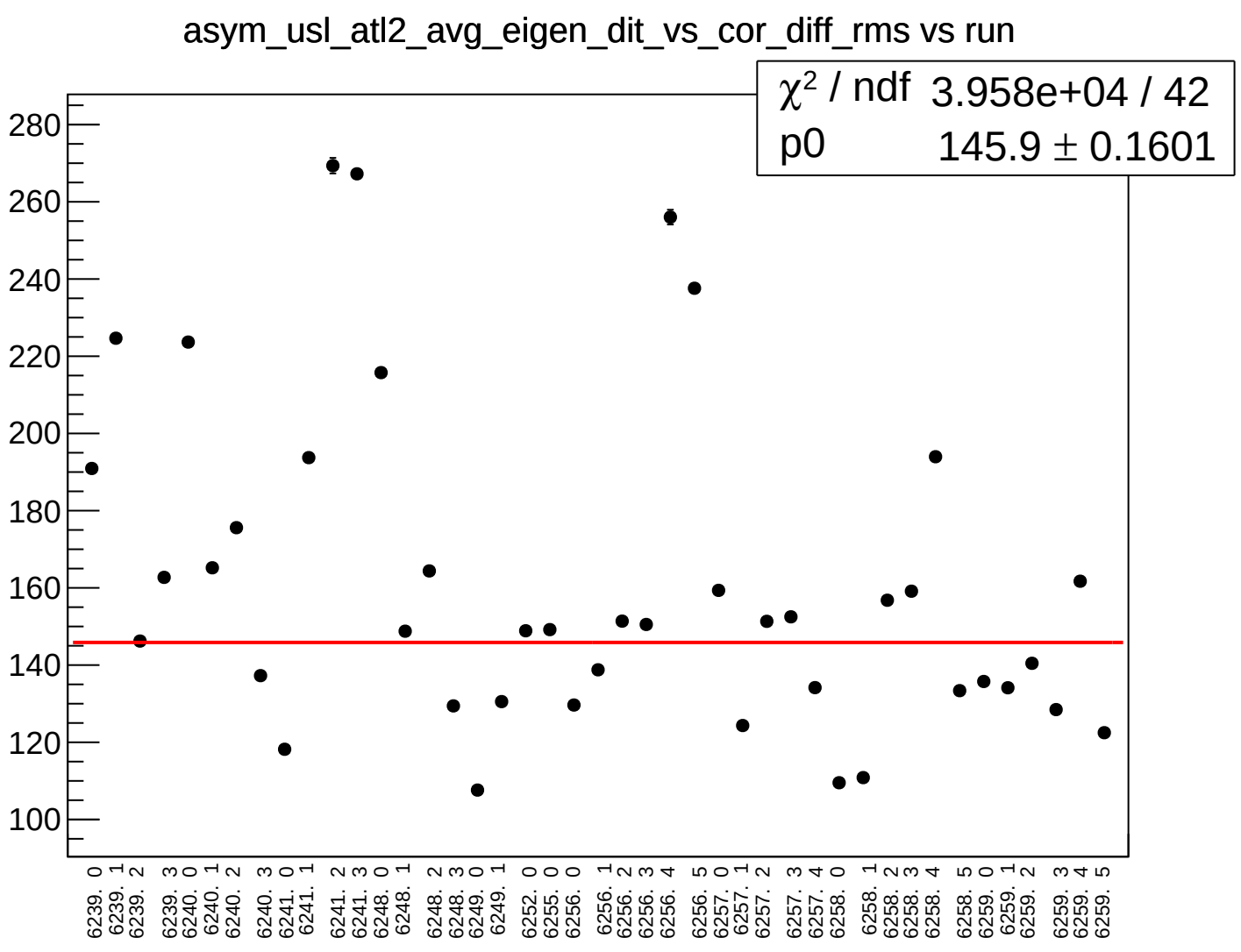

pull1D
Entries 43
Mean −0.005079
Std Dev 0.937

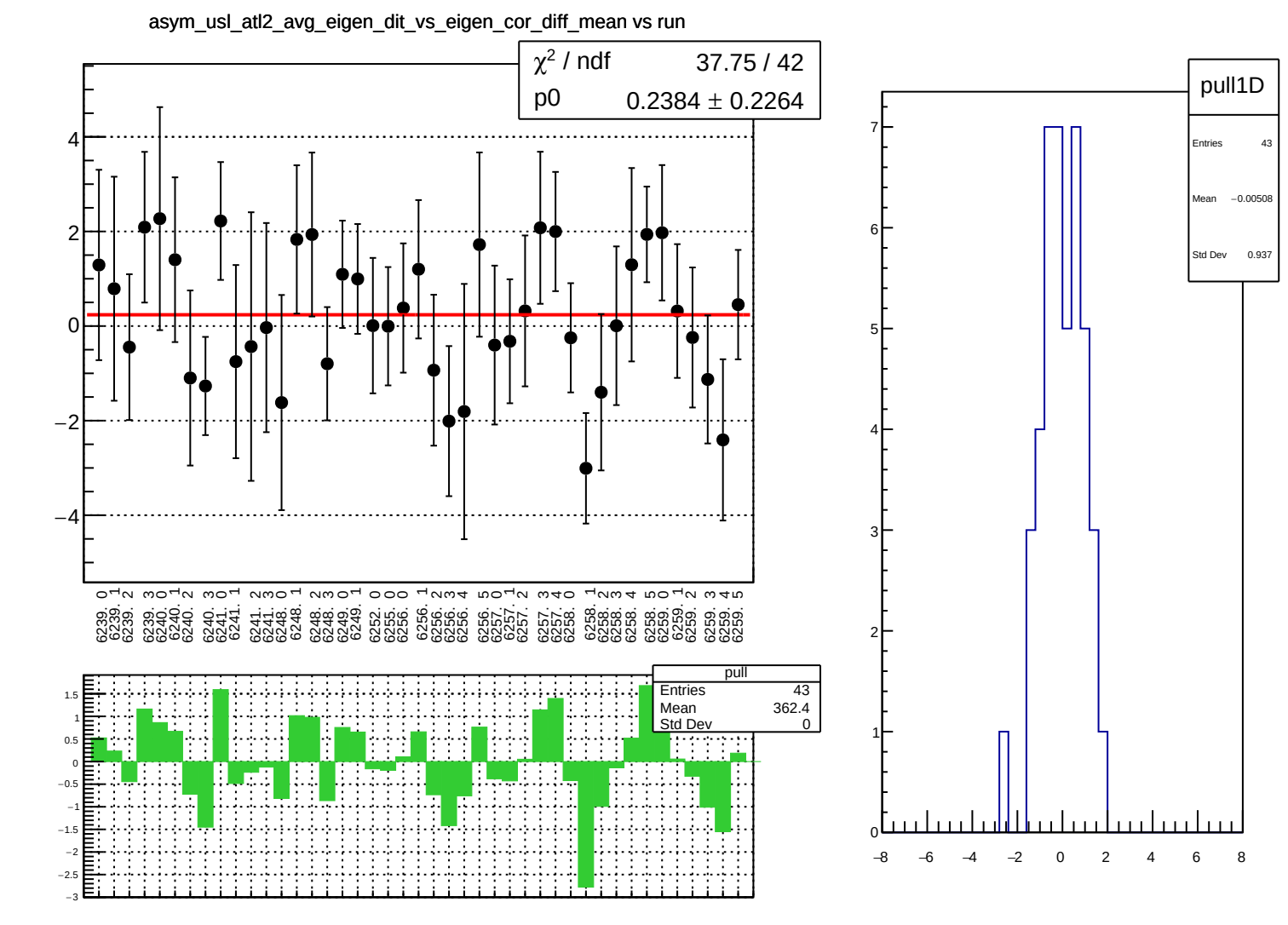

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.958e+04 / 42
p0 145.9 ± 0.1601
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

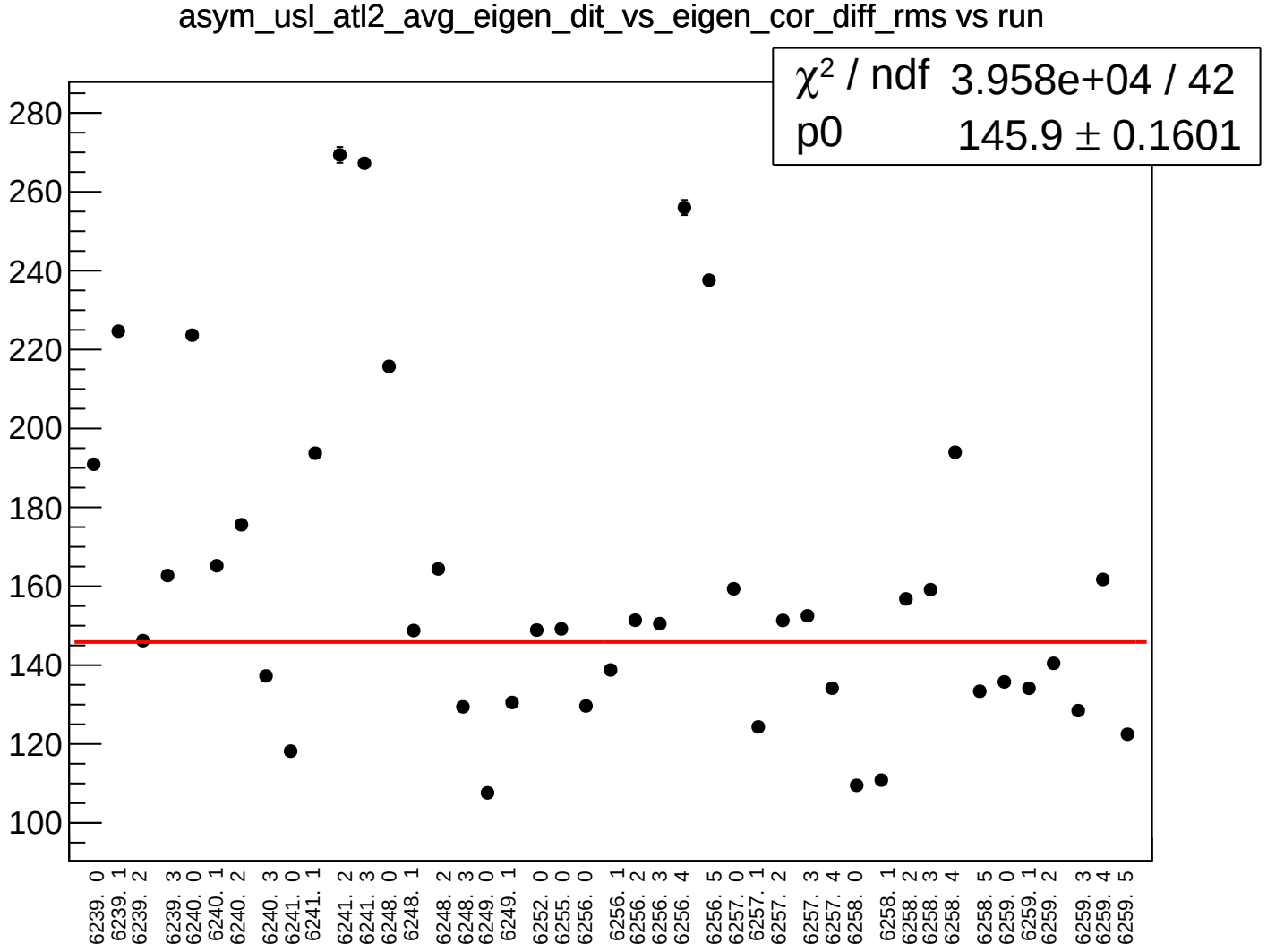

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.98 / 42
p0 1.474e−05 ± 9.228e−06
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.769
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.06832
Std Dev 0.9373
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

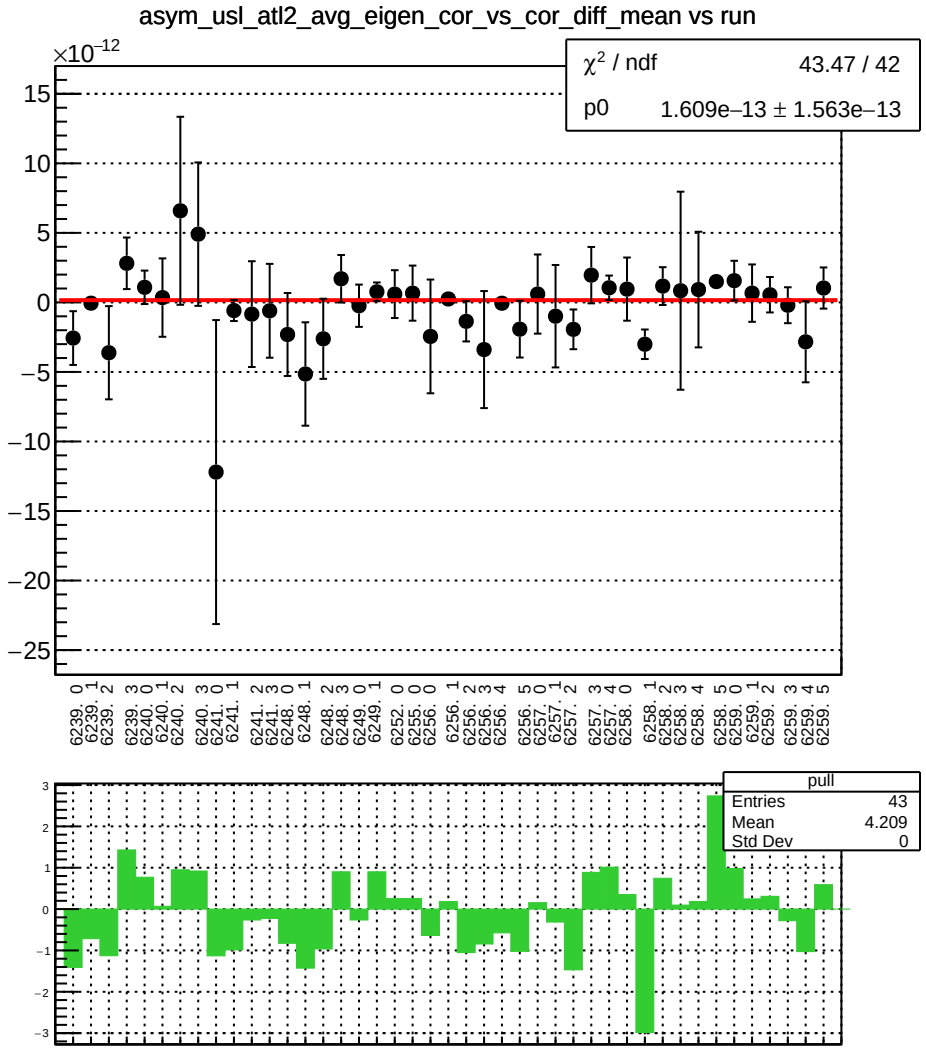

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.652e+04 / 42
p0 0.005774 ± 6.525e−06
0.014
0.012
0.01
0.008
0.006
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

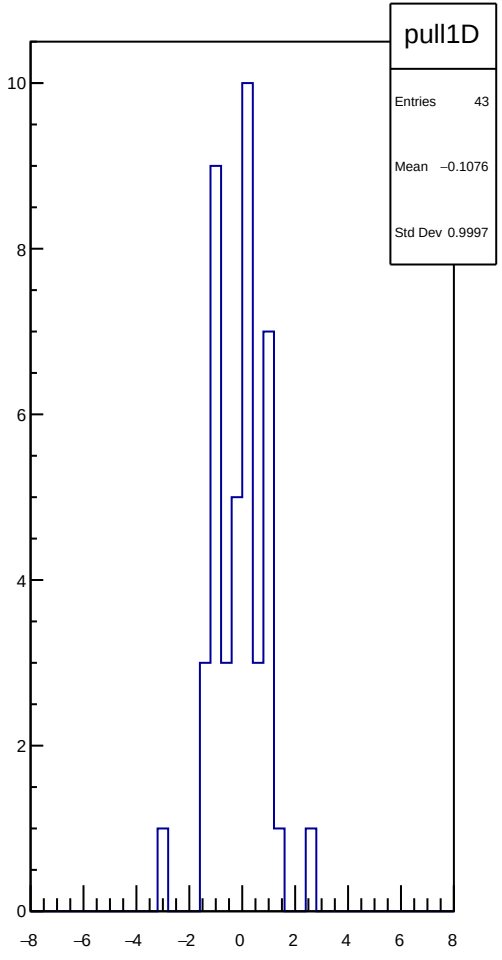

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.75 / 42
p0 0.2384 ± 0.2264
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 362.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 43
Mean −0.00508
Std Dev 0.937
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

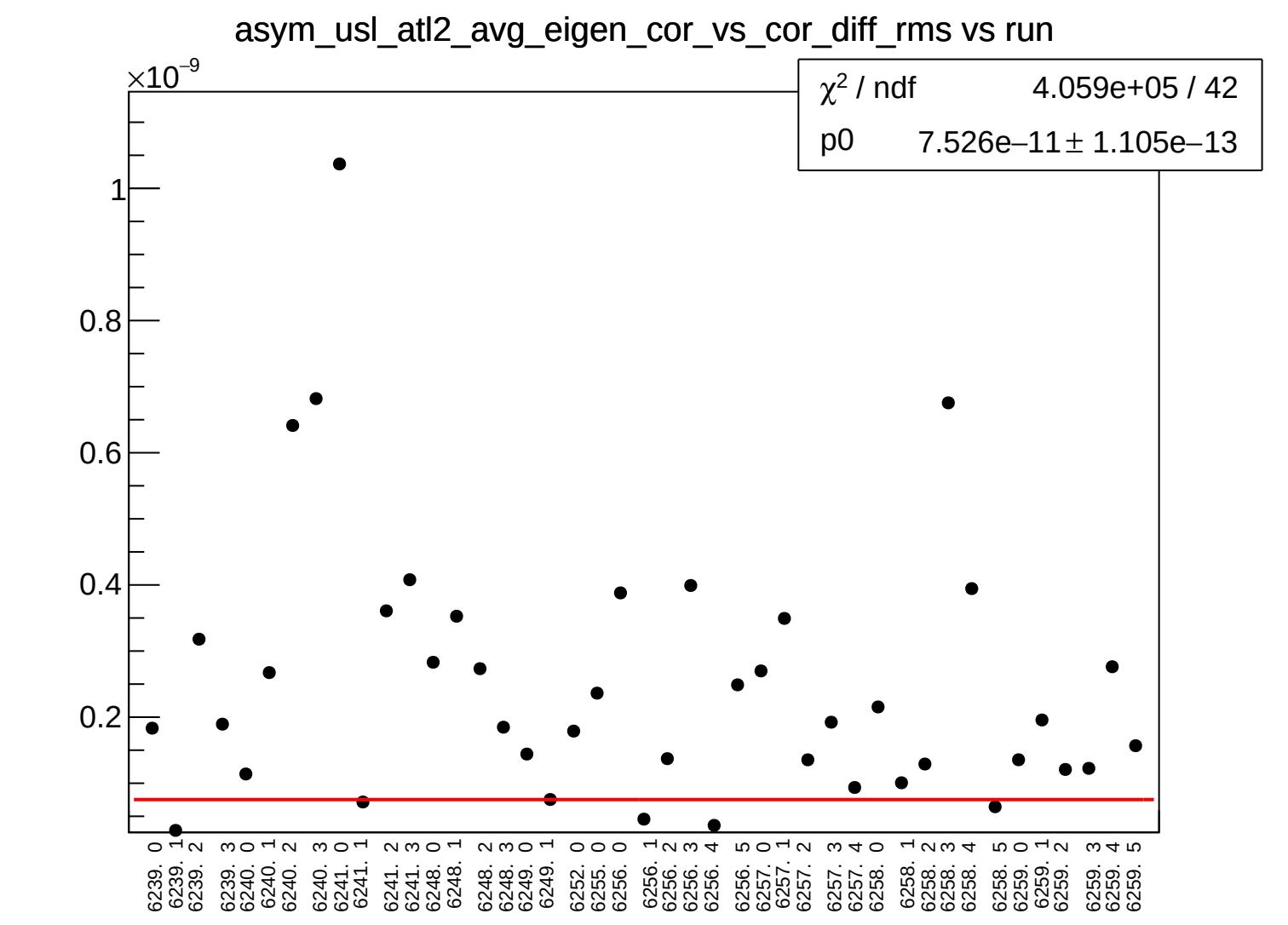

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.958e+04 / 42
p0 145.9 ± 0.1601
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

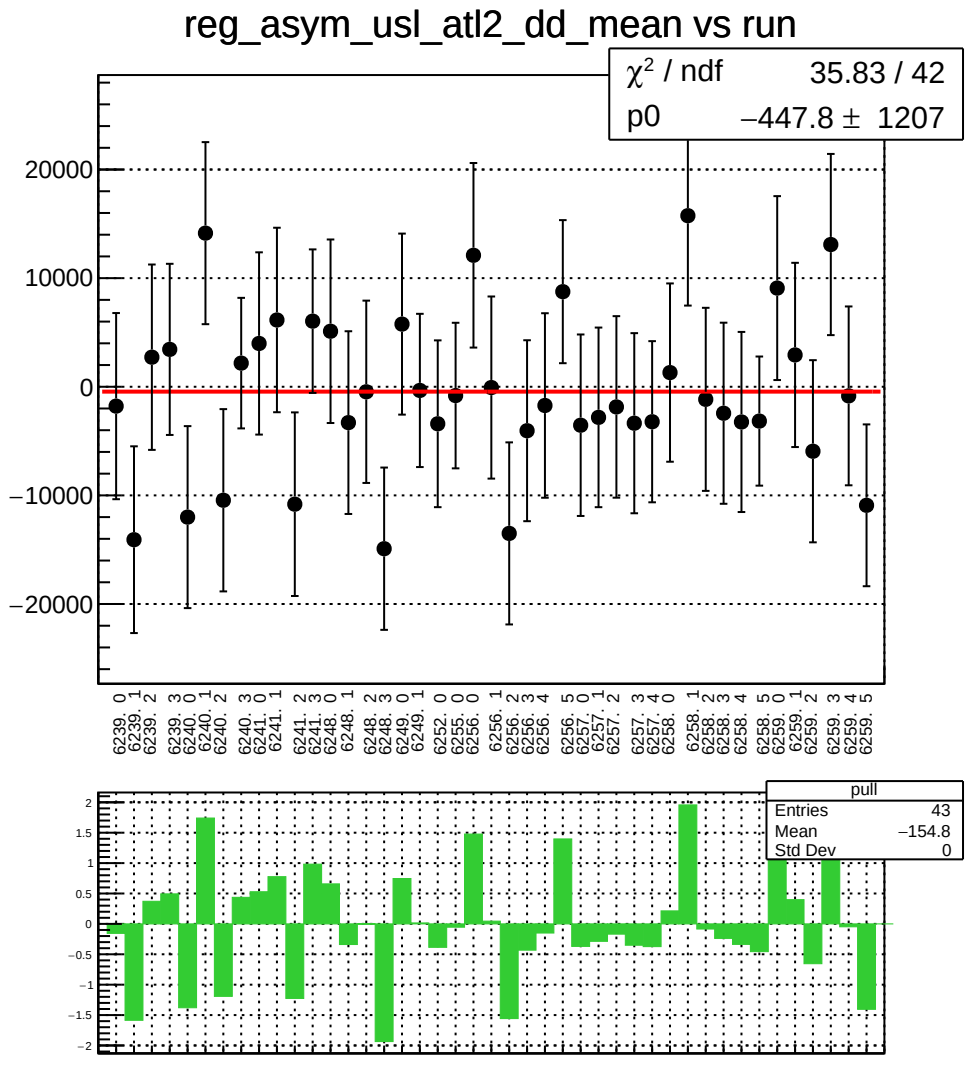

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.75 / 42
p0 0.2384 ± 0.2264
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 362.4
Std Dev 0
pull1D
Entries 43
Mean −0.00508
Std Dev 0.937

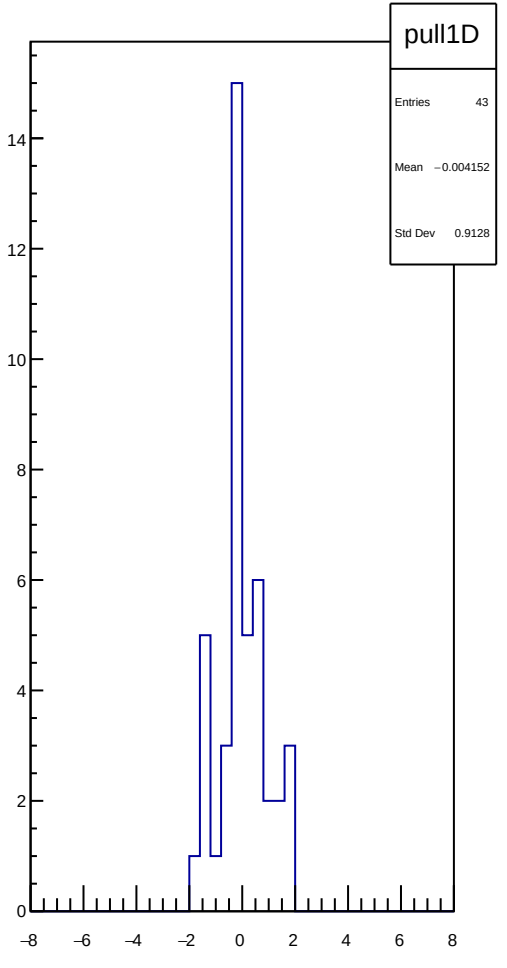

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.958e+04 / 42
p0 145.9 ± 0.1601
280
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

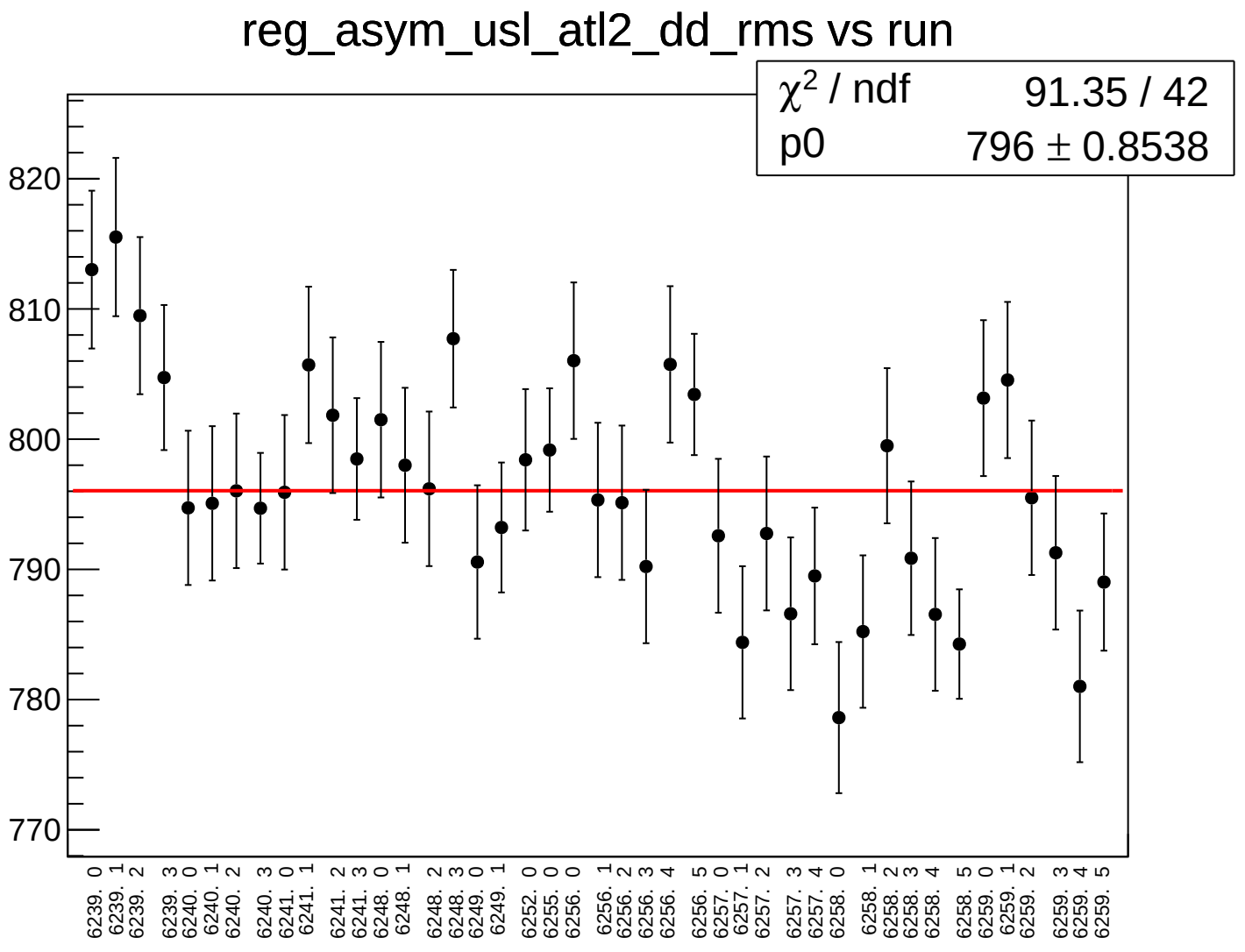

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.47 / 42
p0 1.609e−13 ± 1.563e−13
15
10
5
0
−5
−10
−15
−20
−25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.209
Std Dev 0
3
2
1
0
−1
−2
−3

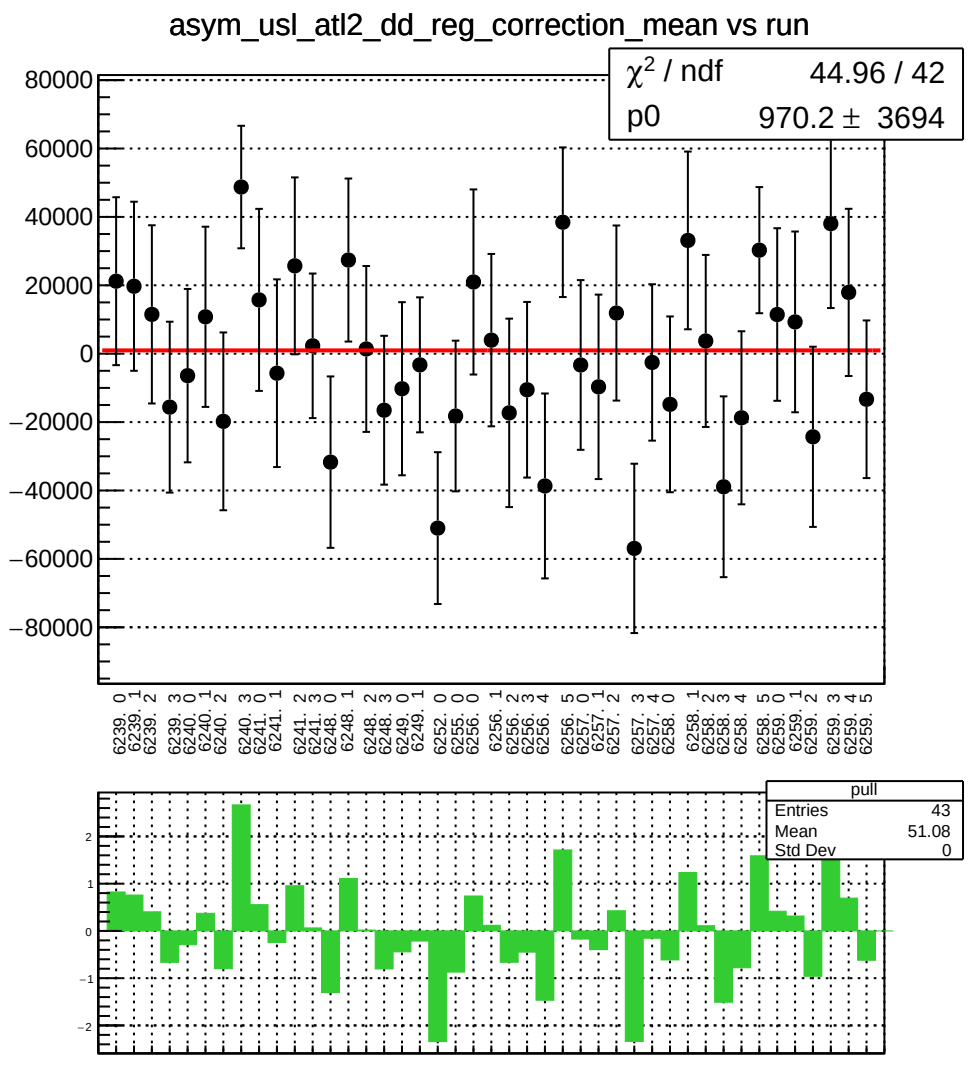

pull1D
Entries 43
Mean −0.1076
Std Dev 0.9997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

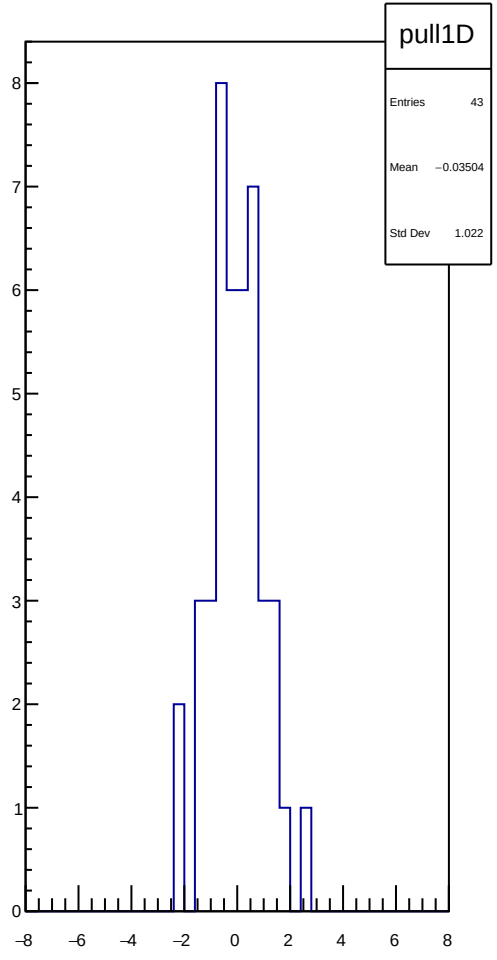

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.059e+05 / 42
p0 7.526e−11 ± 1.105e−13
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

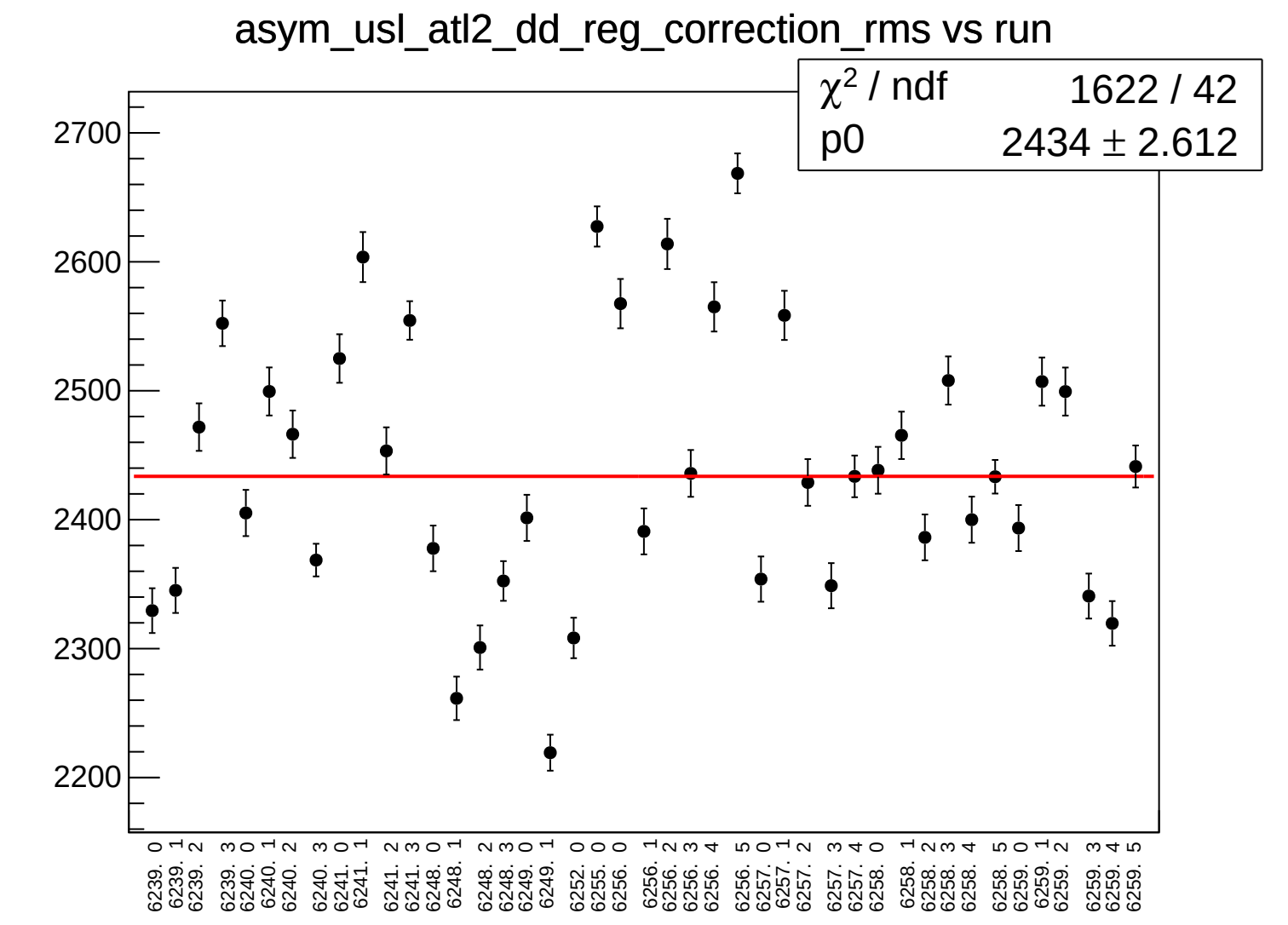

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 35.83 / 42
p0 −447.8 ± 1207
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −154.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

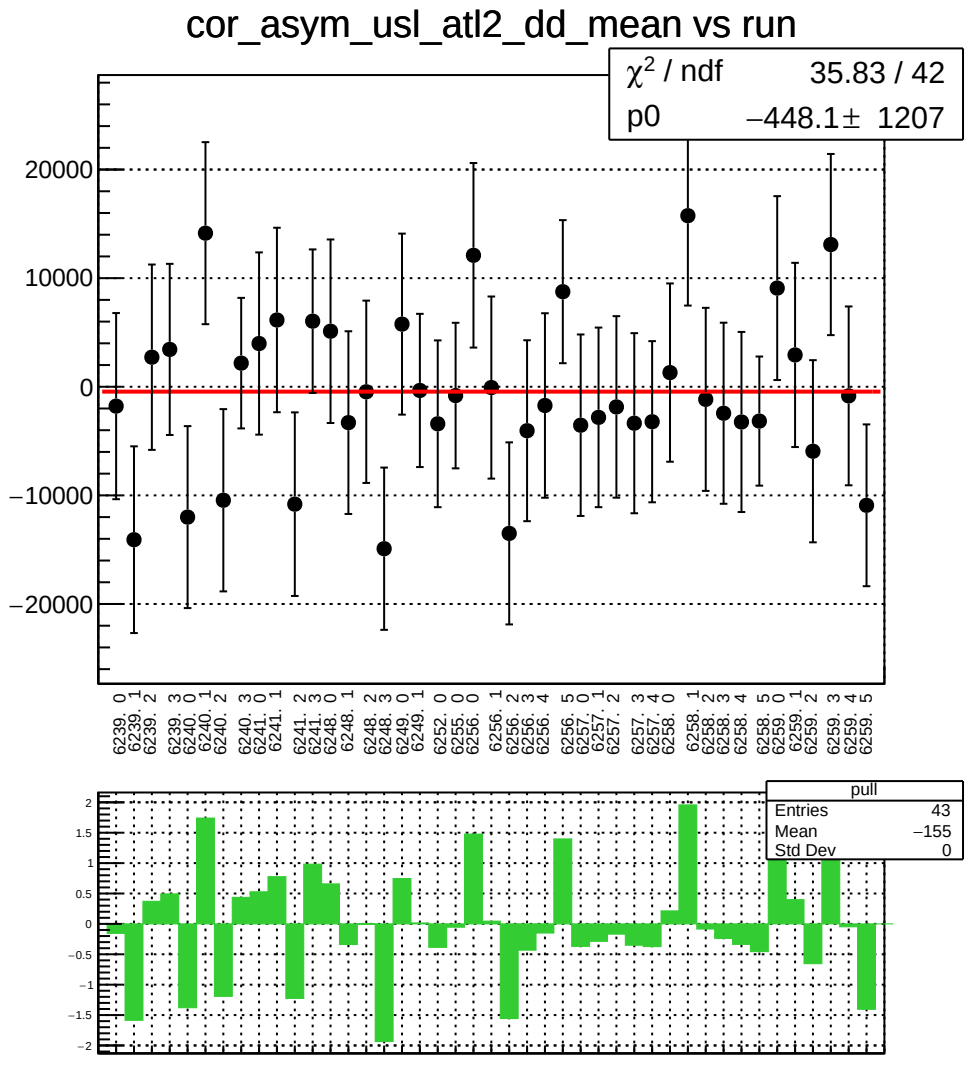

pull1D
Entries 43
Mean −0.004152
Std Dev 0.9128
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

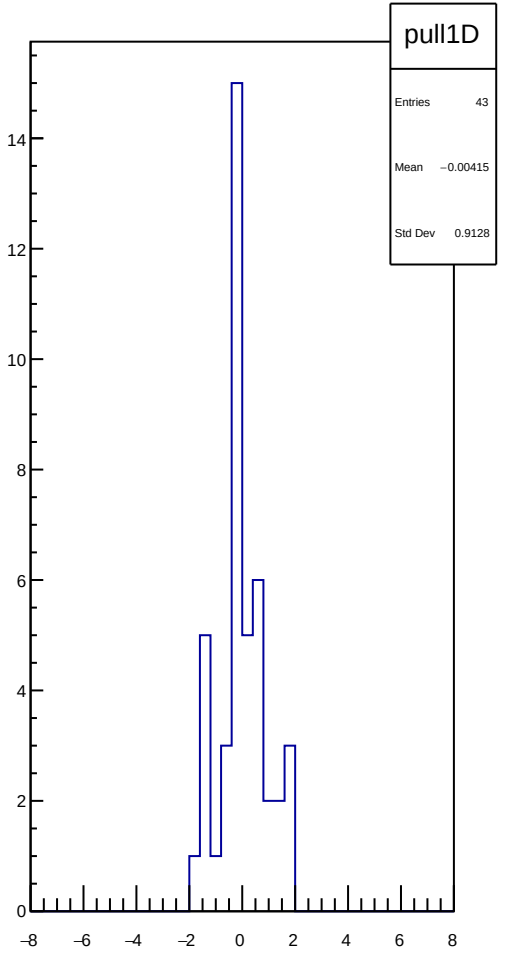

reg_asym_usl_atl2_dd_rms vs run
$\chi^2$ / ndf 91.35 / 42
p0 796 ± 0.8538
820
810
800
790
780
770
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

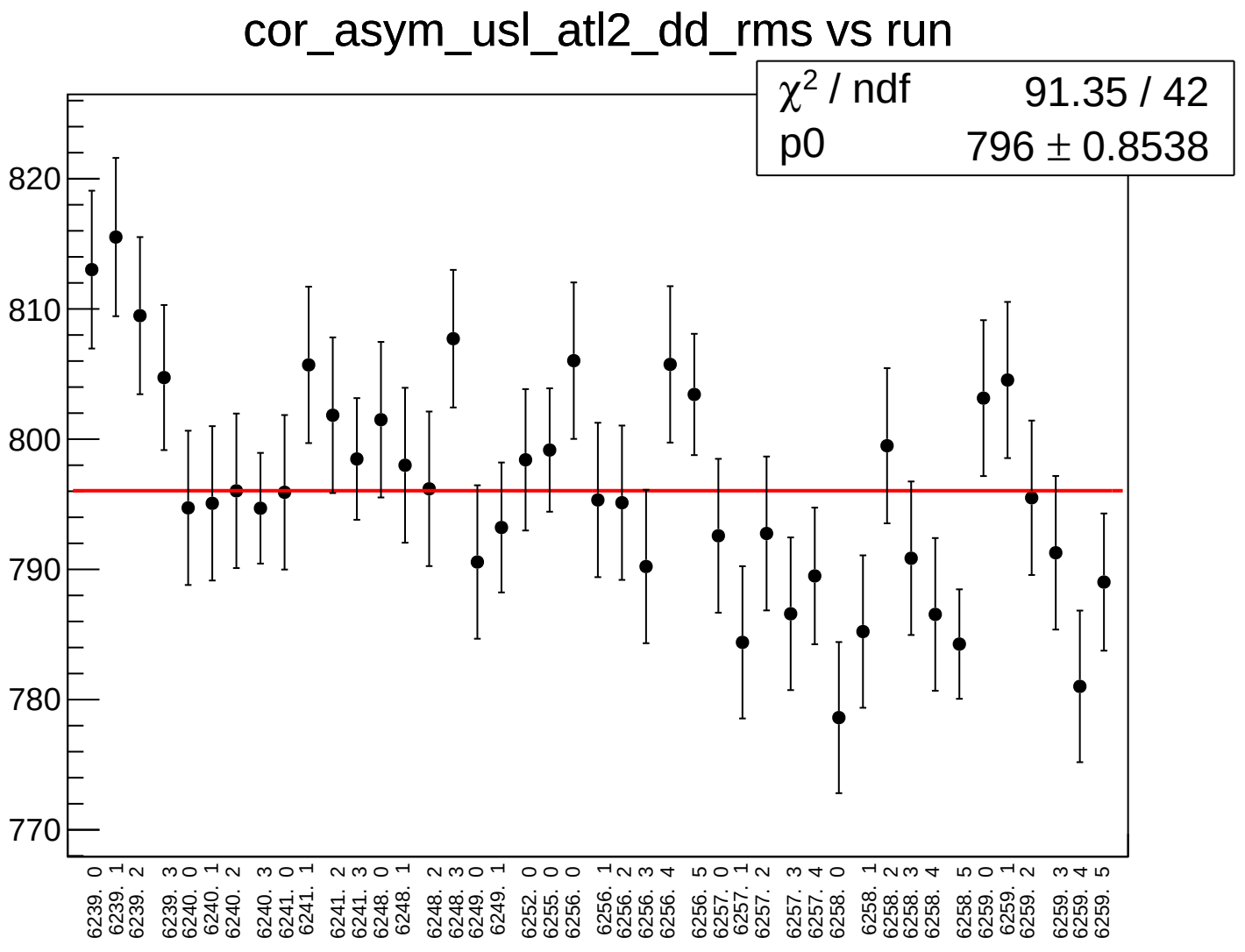

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 44.96 / 42
p0 970.2 ± 3694
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.08
Std Dev 0
2
1
0
−1
−2

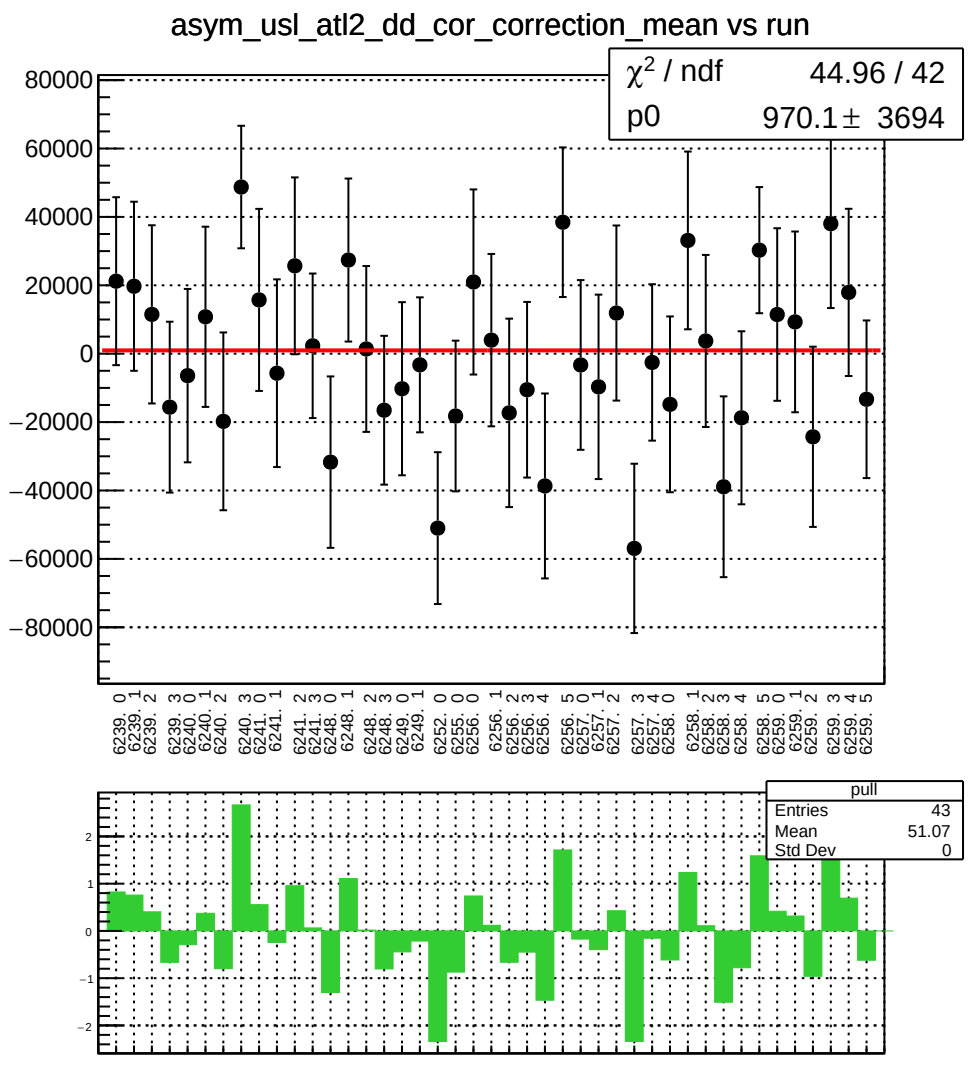

pull1D
Entries 43
Mean −0.03504
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

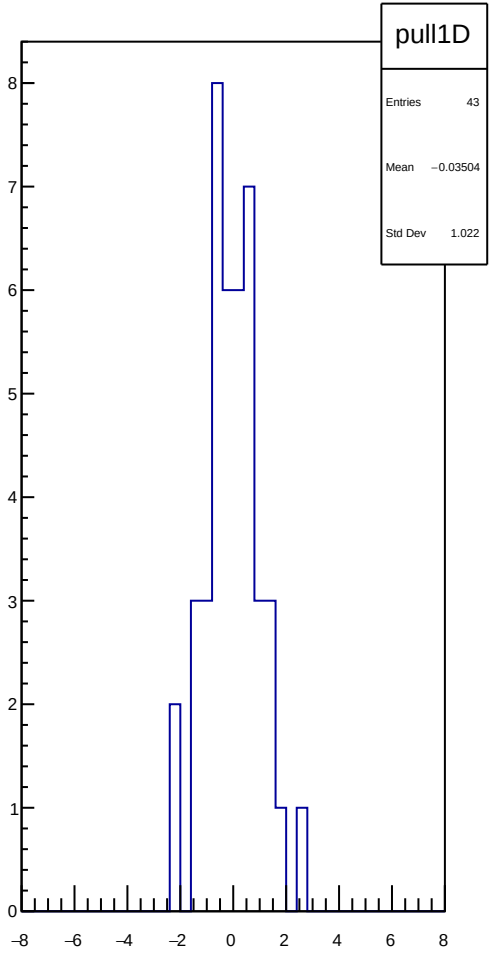

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1622 / 42
p0 2434 ± 2.612
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

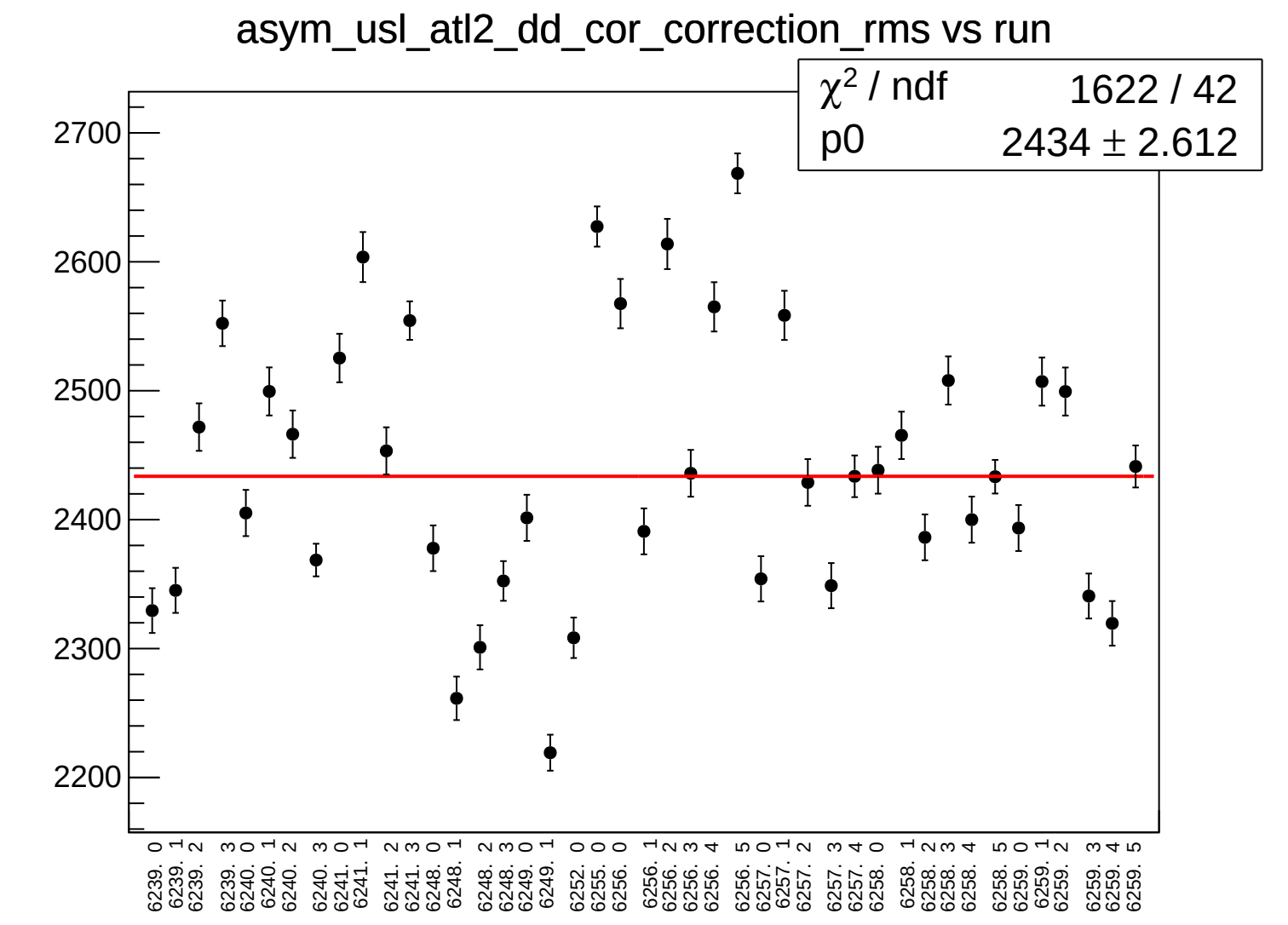

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 35.83 / 42
p0 −448.1± 1207
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −155
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

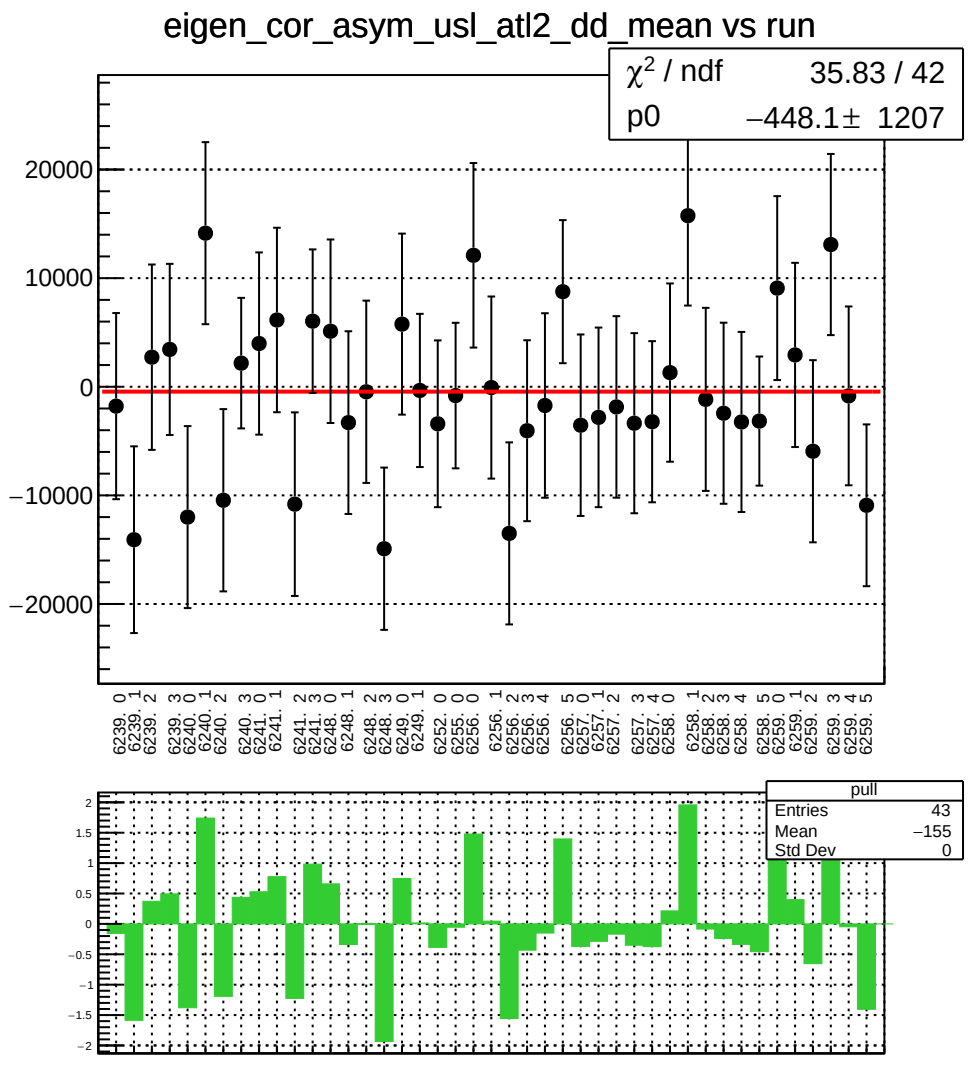

pull1D
Entries 43
Mean −0.00415
Std Dev 0.9128
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

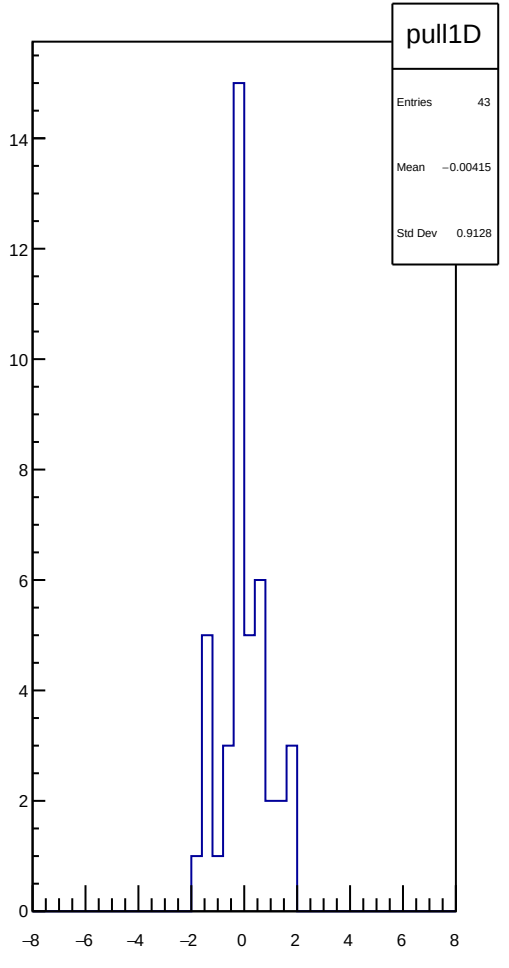

cor_asym_usl_atl2_dd_rms vs run
$\chi^2$ / ndf 91.35 / 42
p0 796 ± 0.8538
820
810
800
790
780
770
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

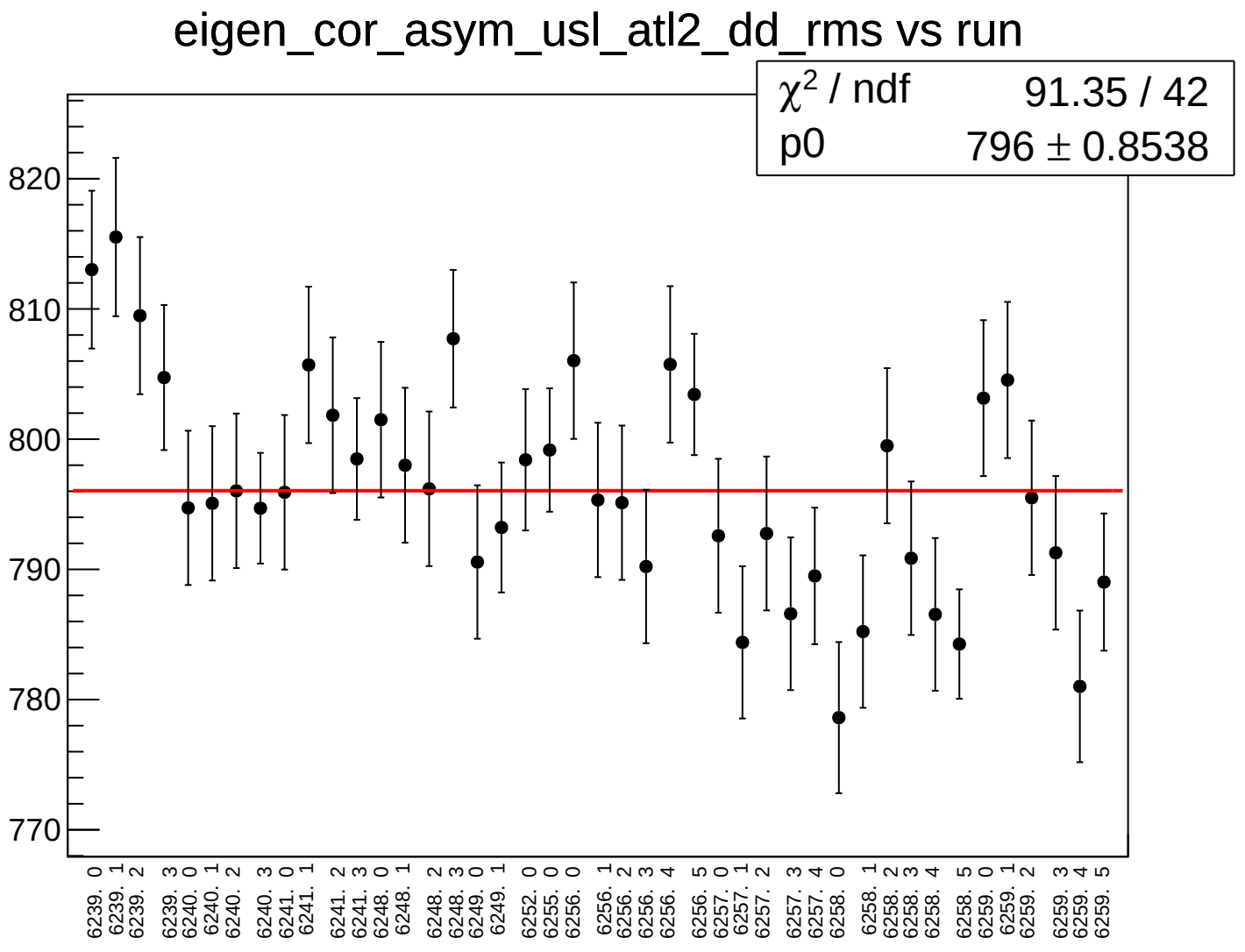

asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 44.96 / 42
p0 970.1 ± 3694
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.07
Std Dev 0
2
1
0
−1
−2

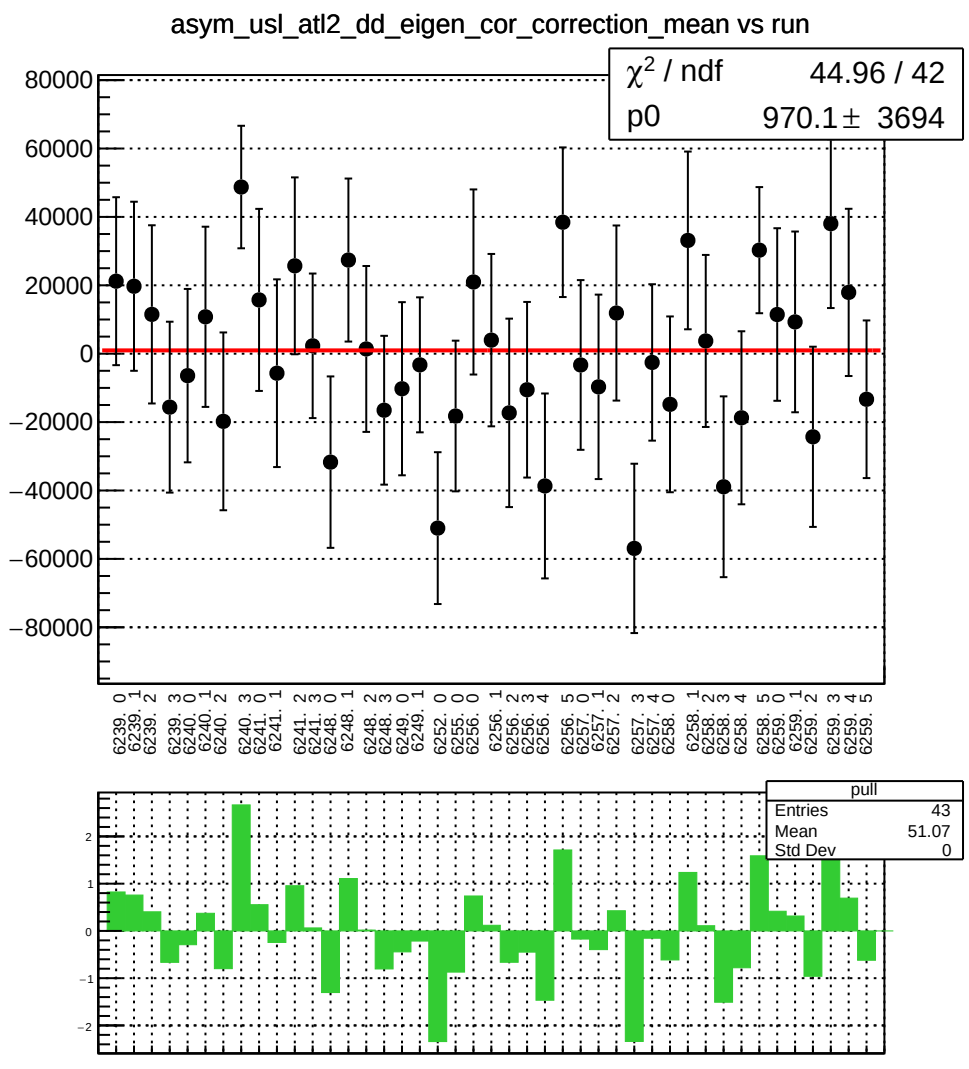

pull1D
Entries 43
Mean −0.03504
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

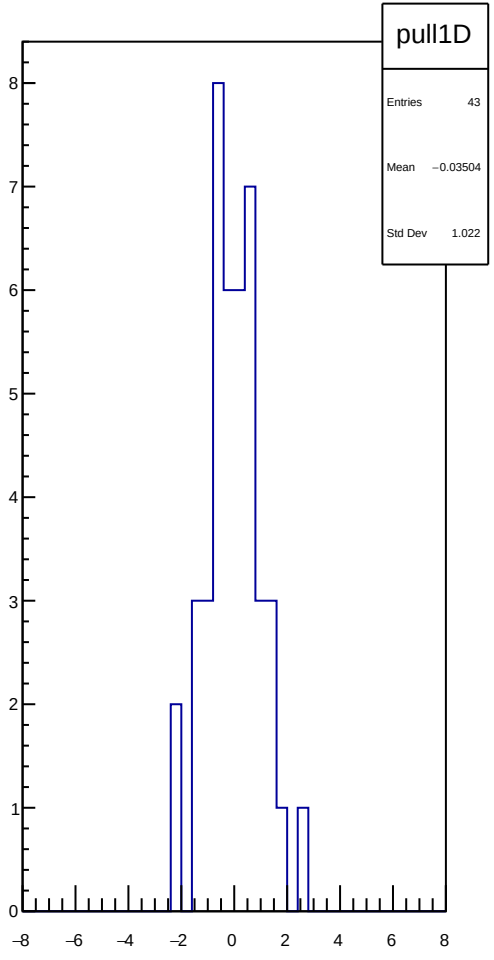

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1622 / 42
p0 2434 ± 2.612
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

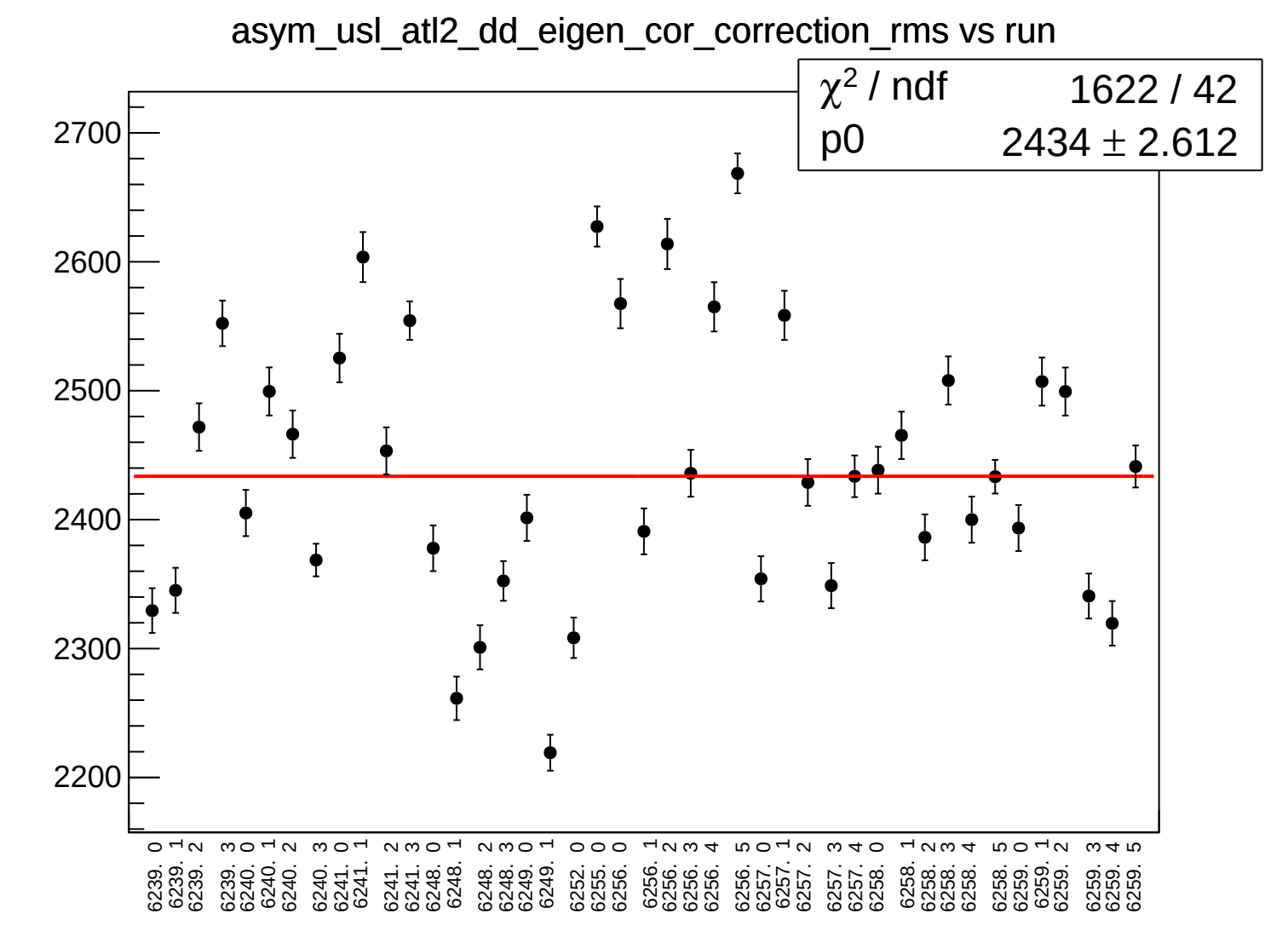

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 35.83 / 42
p0 −448.1± 1207
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −155
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

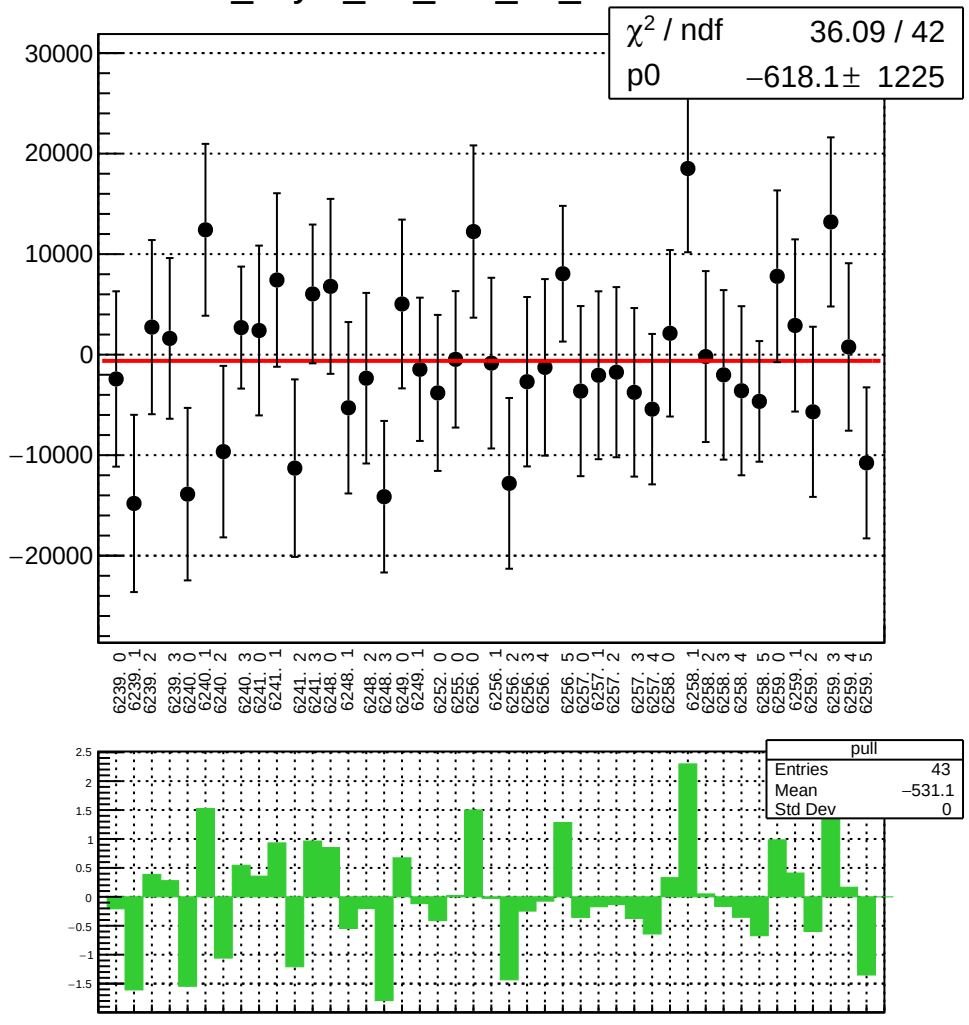

pull1D
Entries 43
Mean −0.00415
Std Dev 0.9128
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

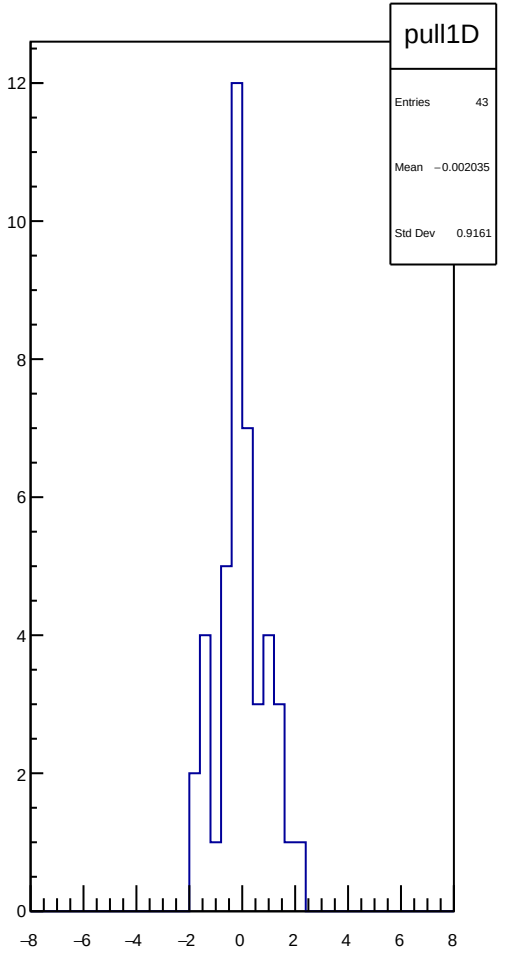

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 91.35 / 42
p0 796 ± 0.8538
820
810
800
790
780
770
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

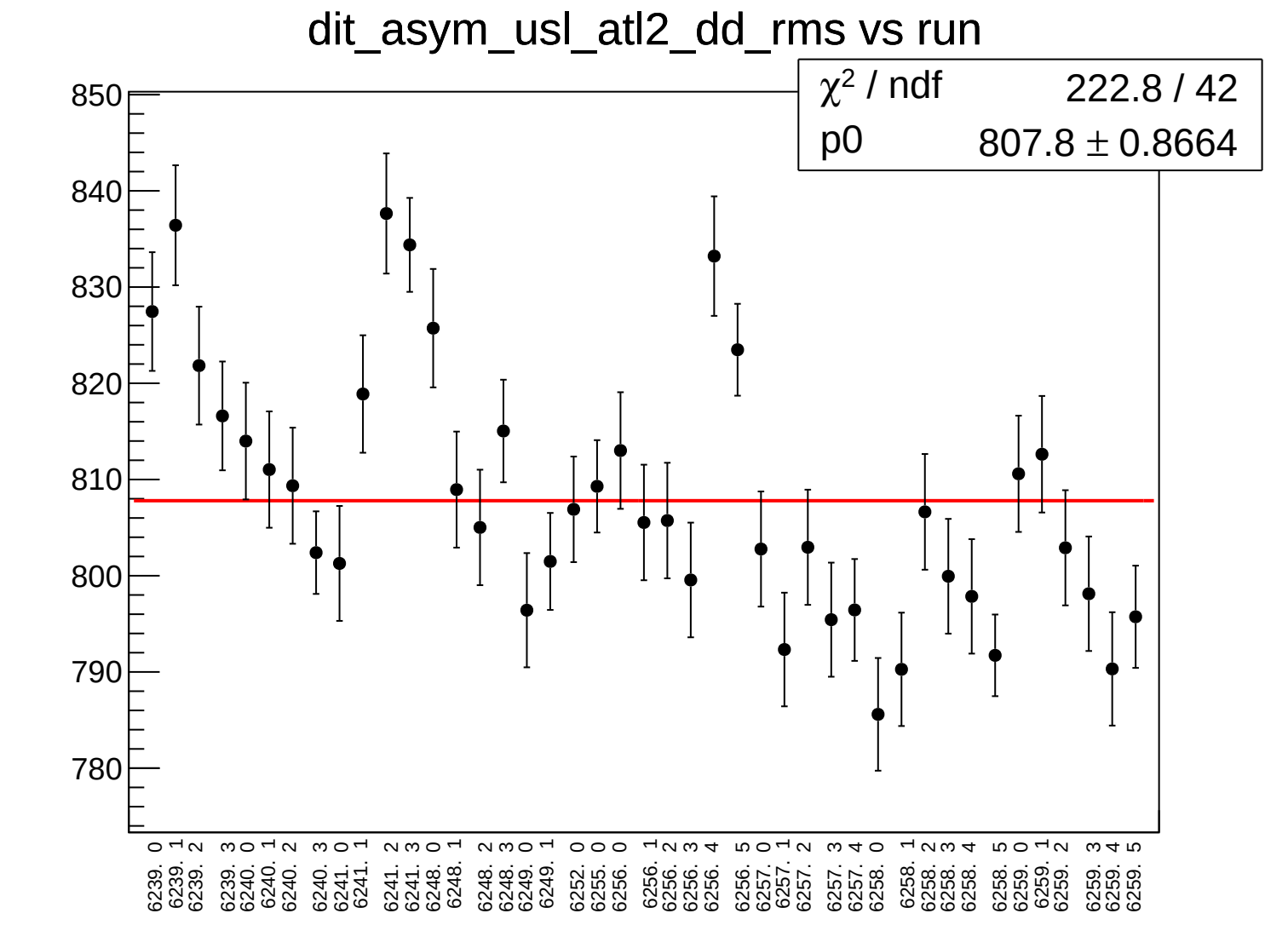

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 44.96 / 42
p0 970.1 ± 3694
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.07
Std Dev 0
2
1
0
−1
−2

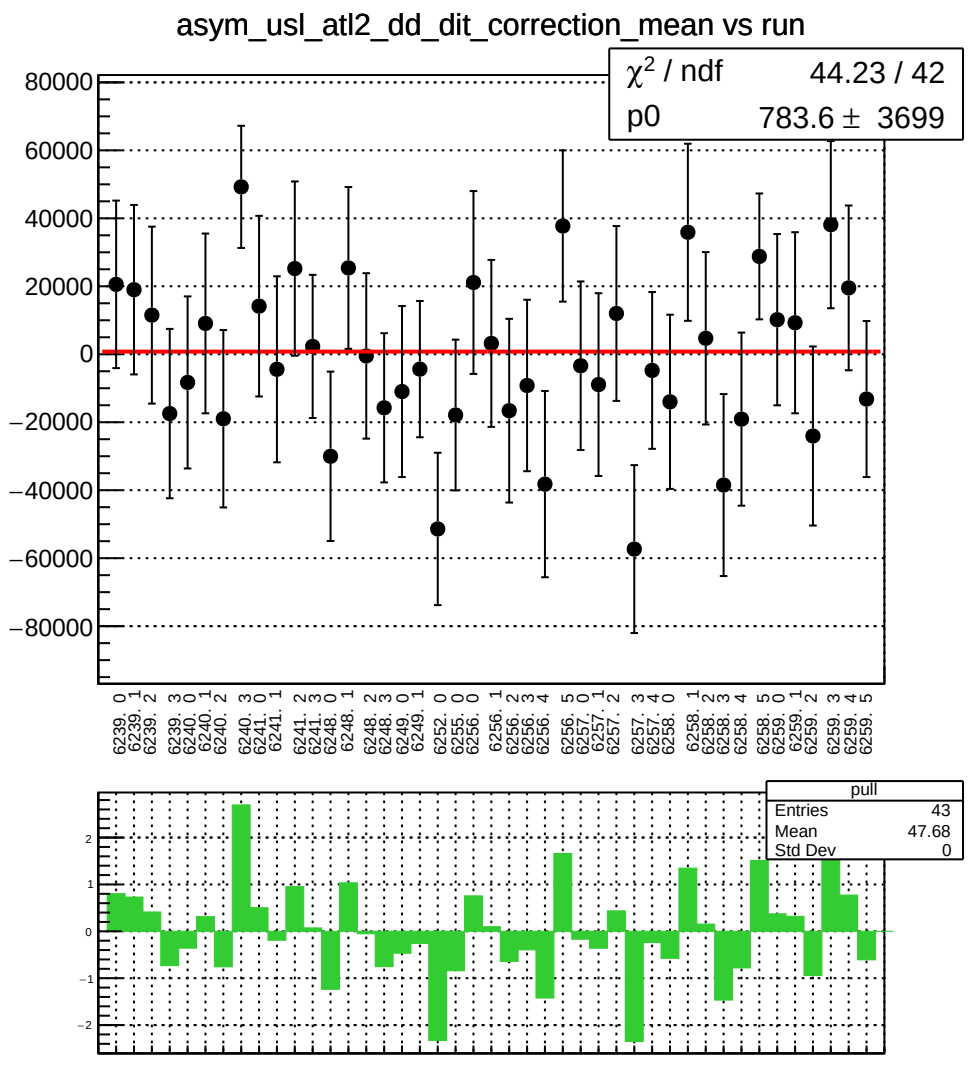

pull1D
Entries 43
Mean −0.03504
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

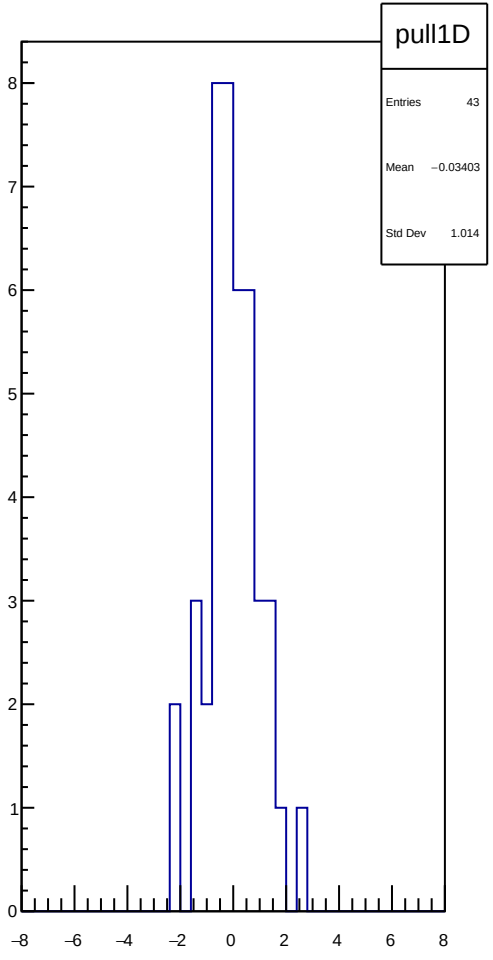

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1622 / 42
p0 2434 ± 2.612
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

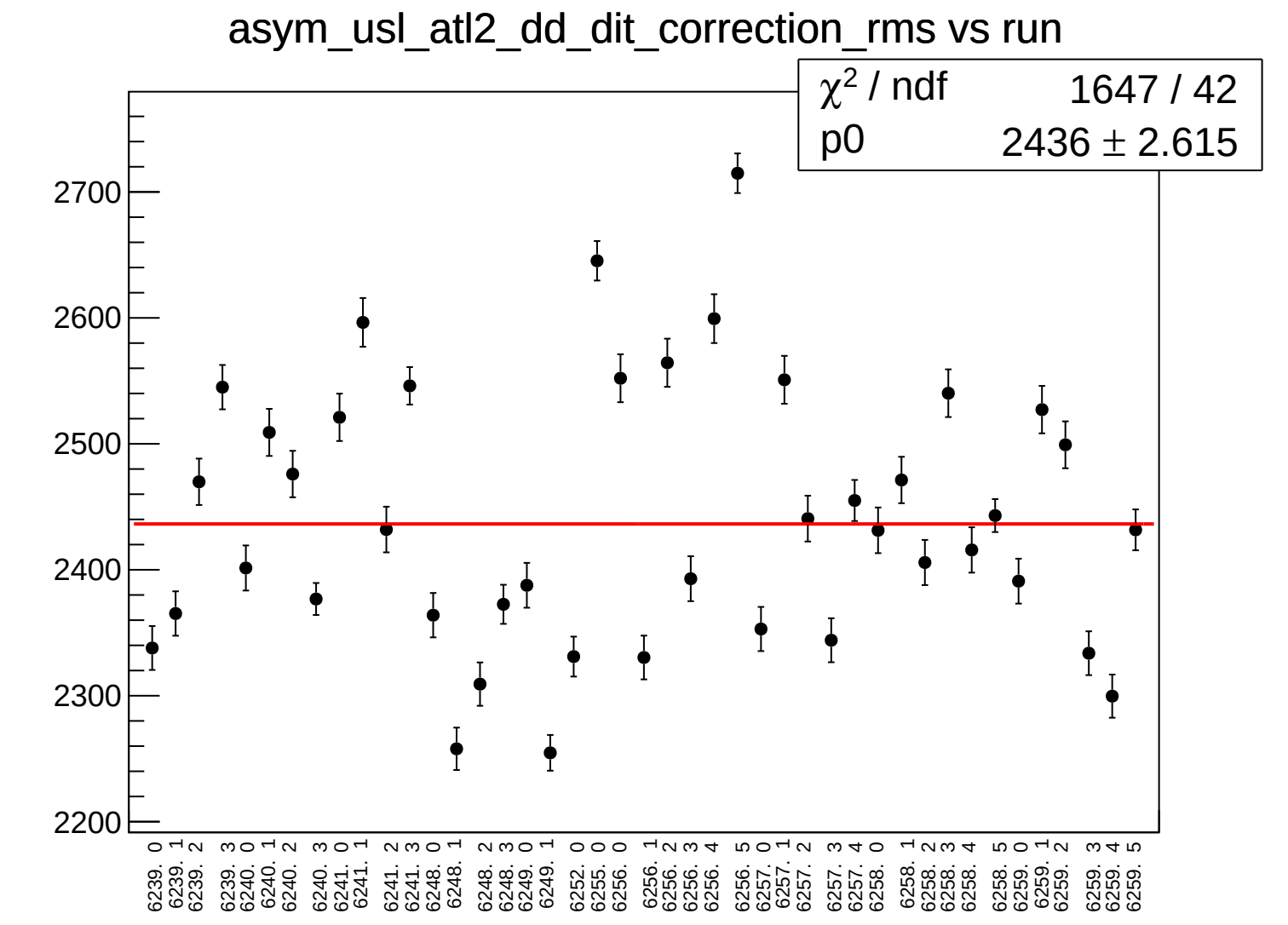

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 36.09 / 42
p0 −618.1± 1225
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −531.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

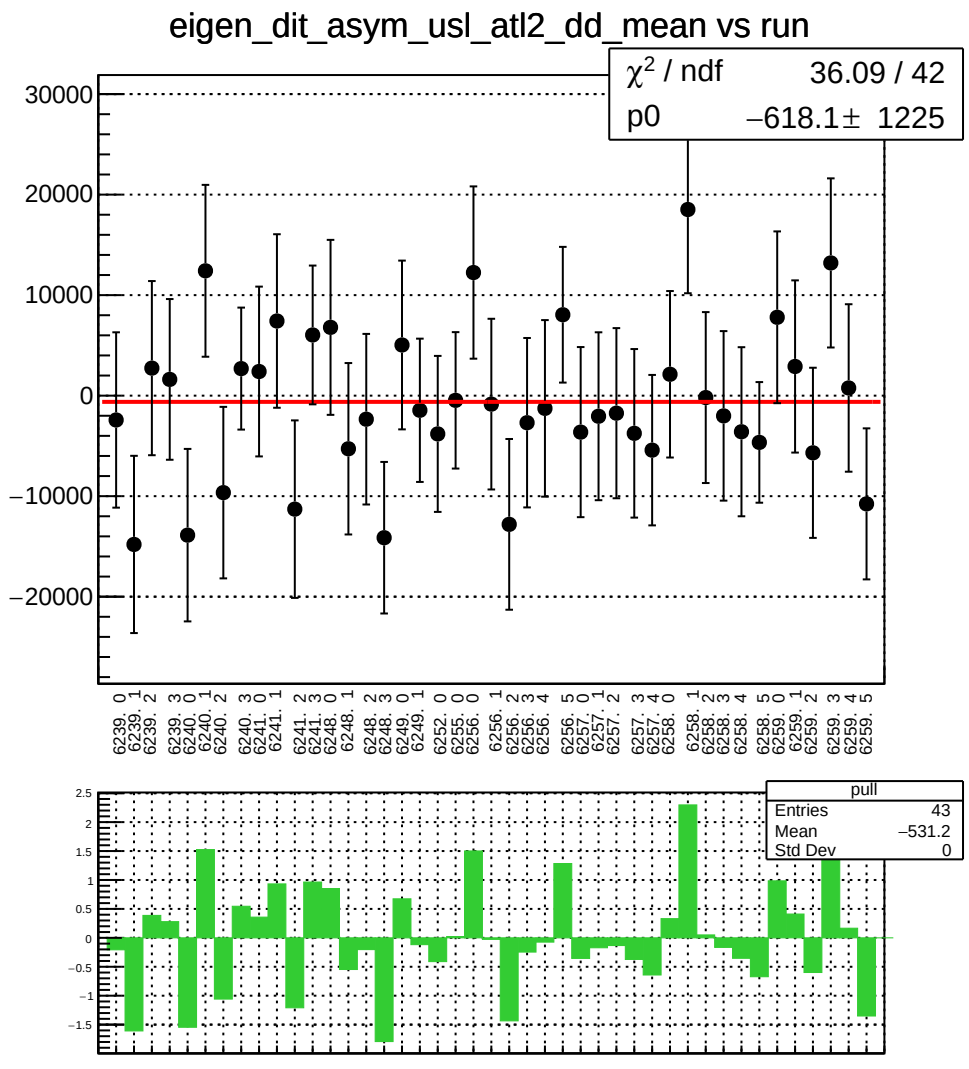

pull1D
Entries 43
Mean −0.002035
Std Dev 0.9161
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

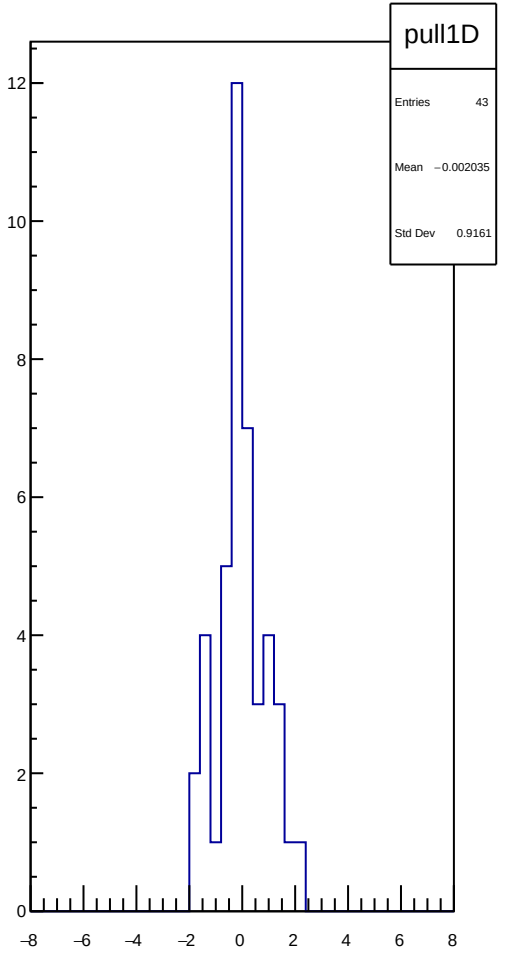

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 222.8 / 42
p0 807.8 ± 0.8664
850
840
830
820
810
800
790
780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

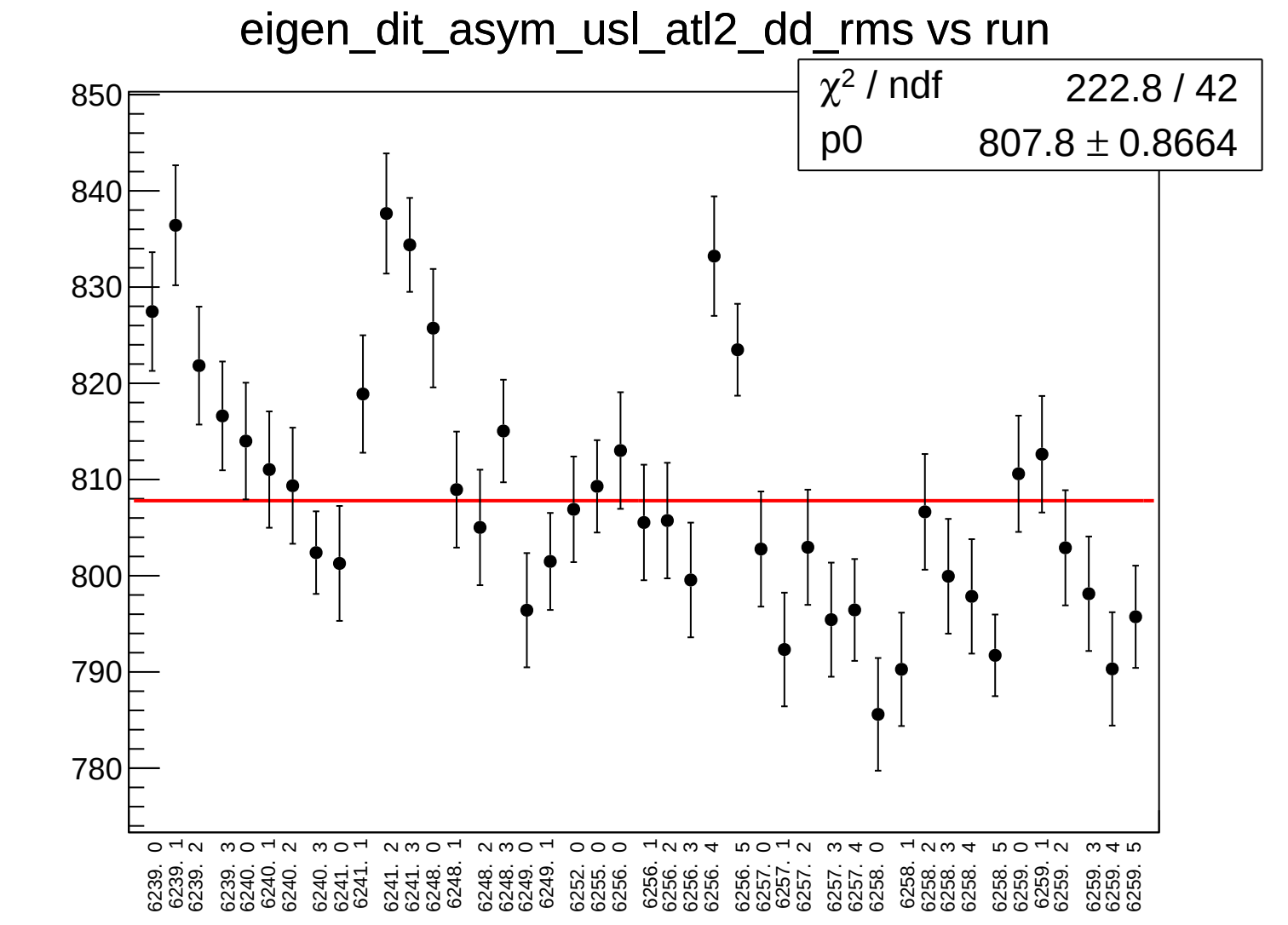

asym_usl_atl2_dd_dit_correction_mean vs run
χ² / ndf 44.23 / 42
p0 783.6 ± 3699
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.68
Std Dev 0
2
1
0
−1
−2

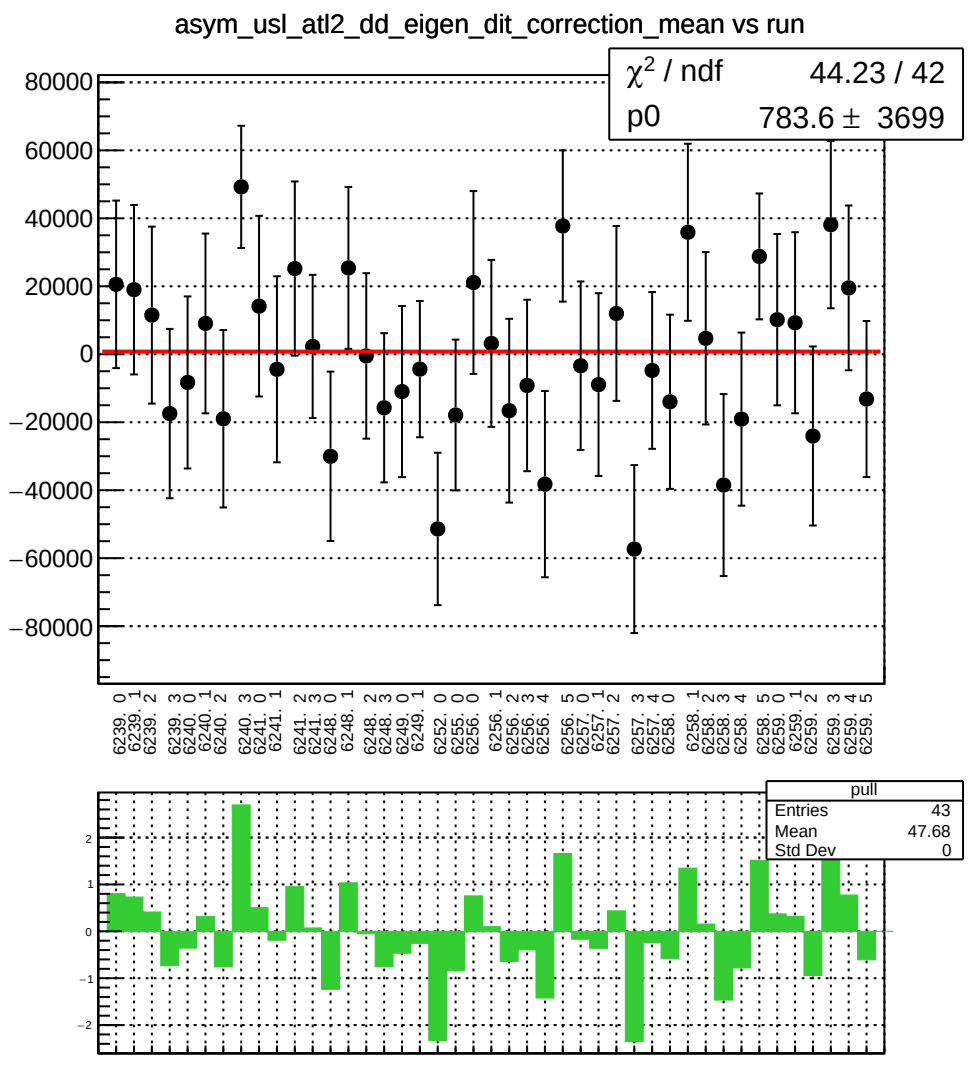

pull1D
Entries 43
Mean −0.03403
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

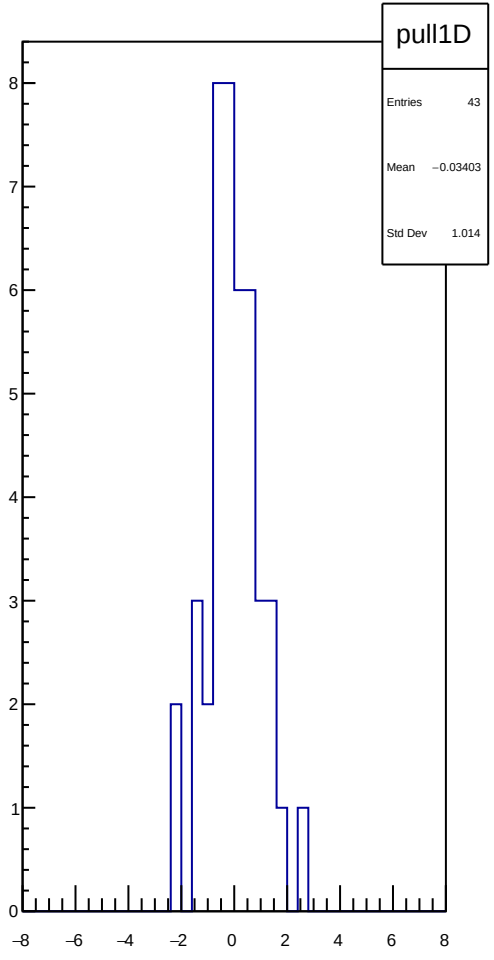

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 1647 / 42
p0 2436 ± 2.615
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

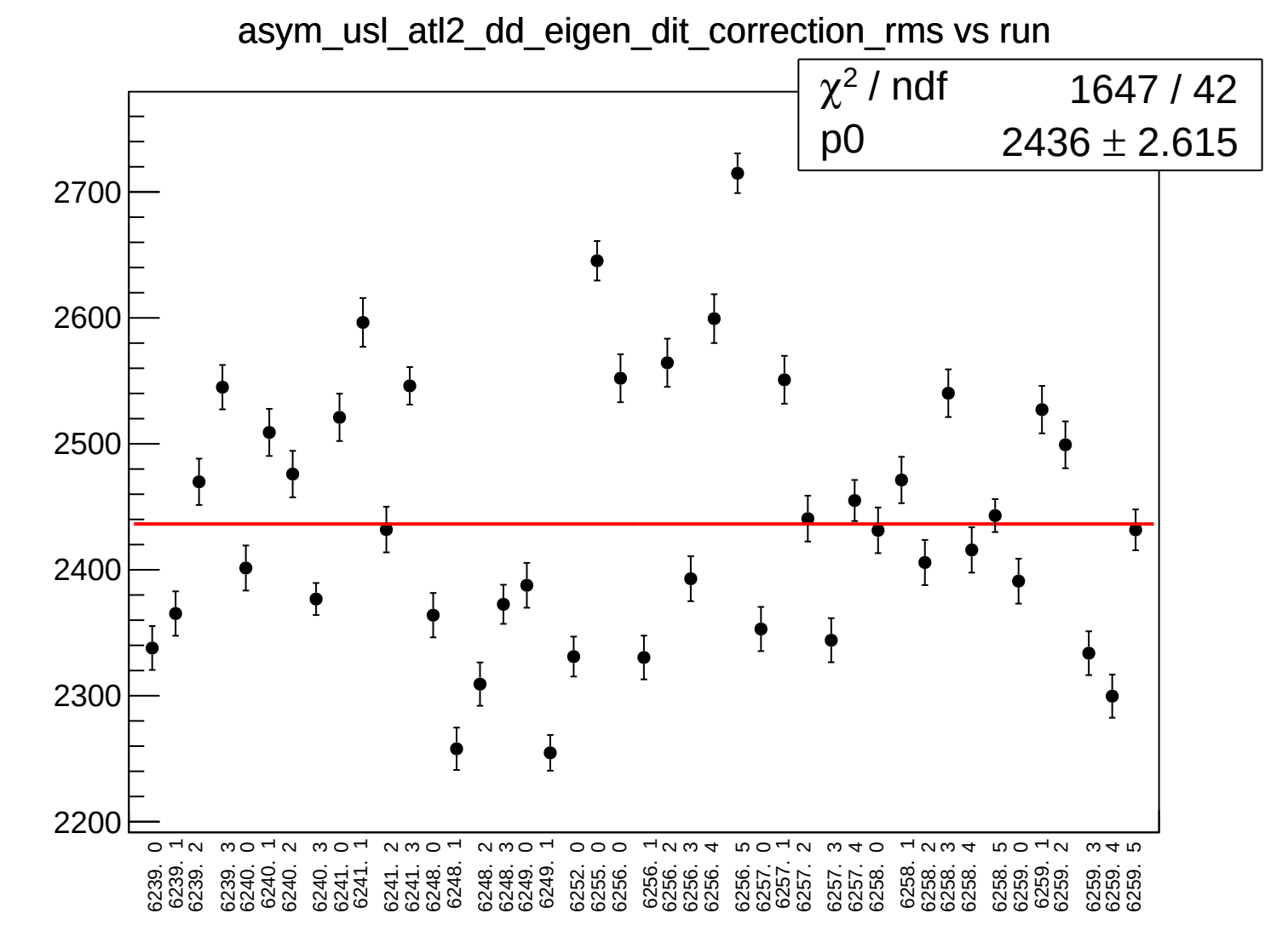

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 36.09 / 42
p0 −618.1± 1225
30000
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −531.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

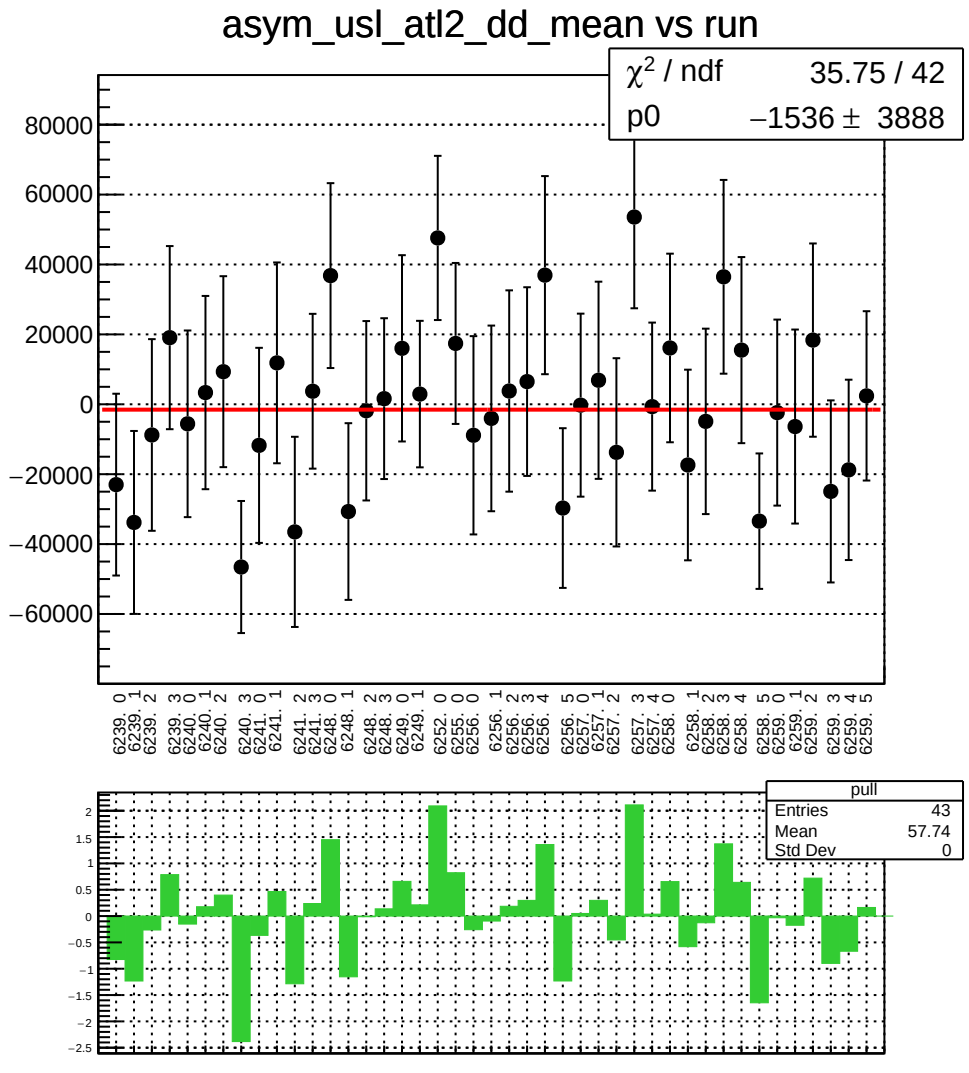

pull1D
Entries 43
Mean −0.002035
Std Dev 0.9161
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

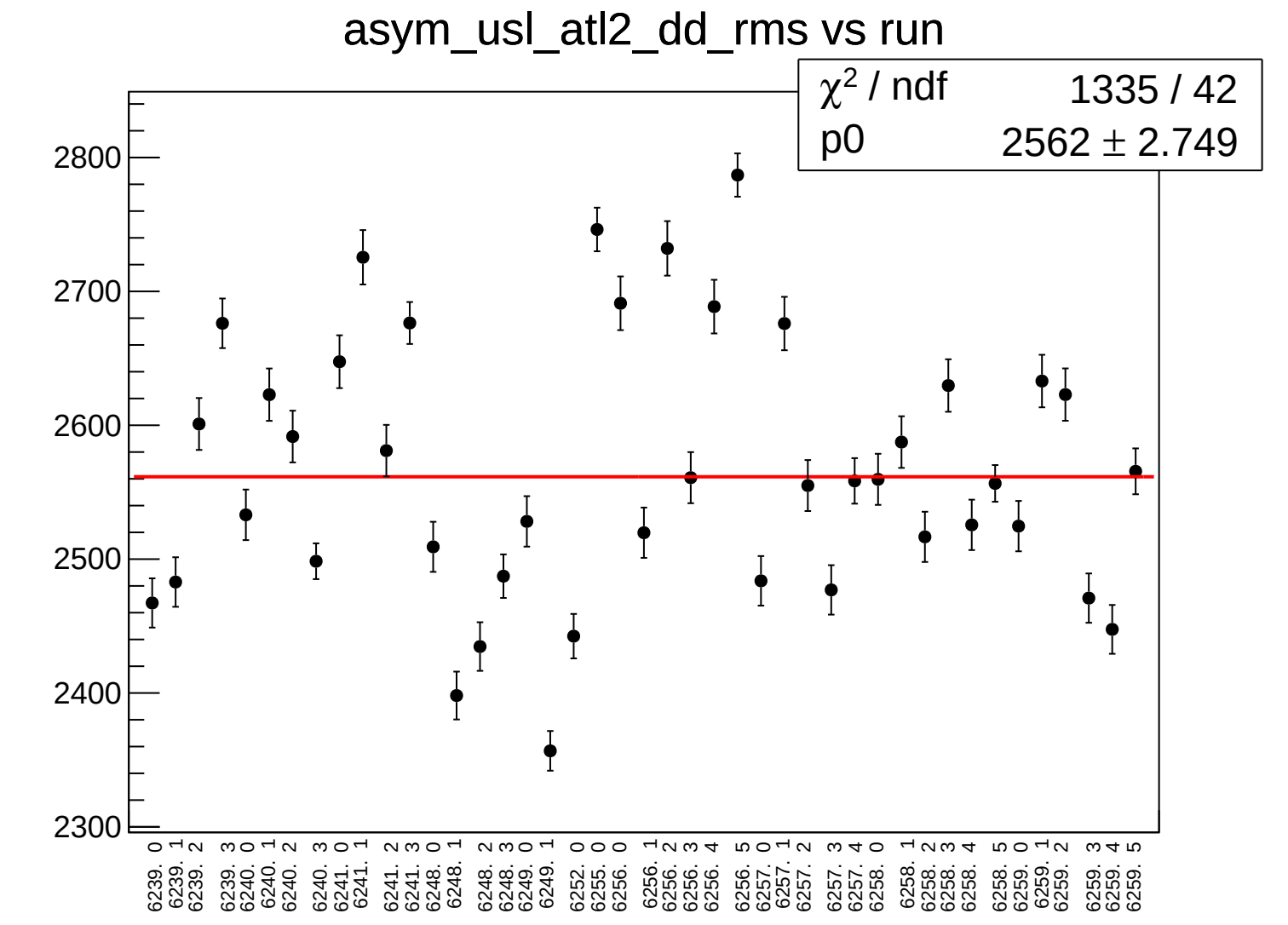

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 222.8 / 42
p0 807.8 ± 0.8664
850
840
830
820
810
800
790
780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

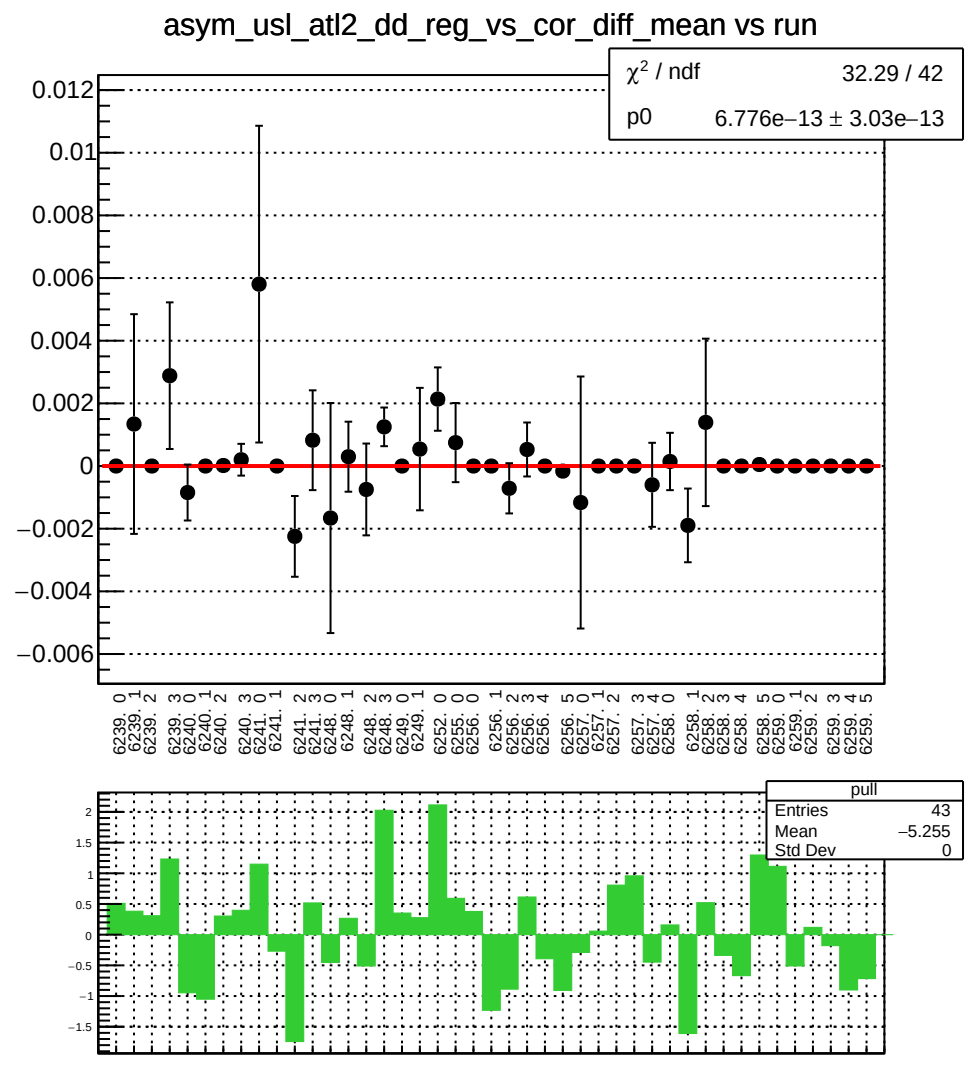

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.23 / 42
p0 783.6 ± 3699
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.68
Std Dev 0
2
1
0
−1
−2

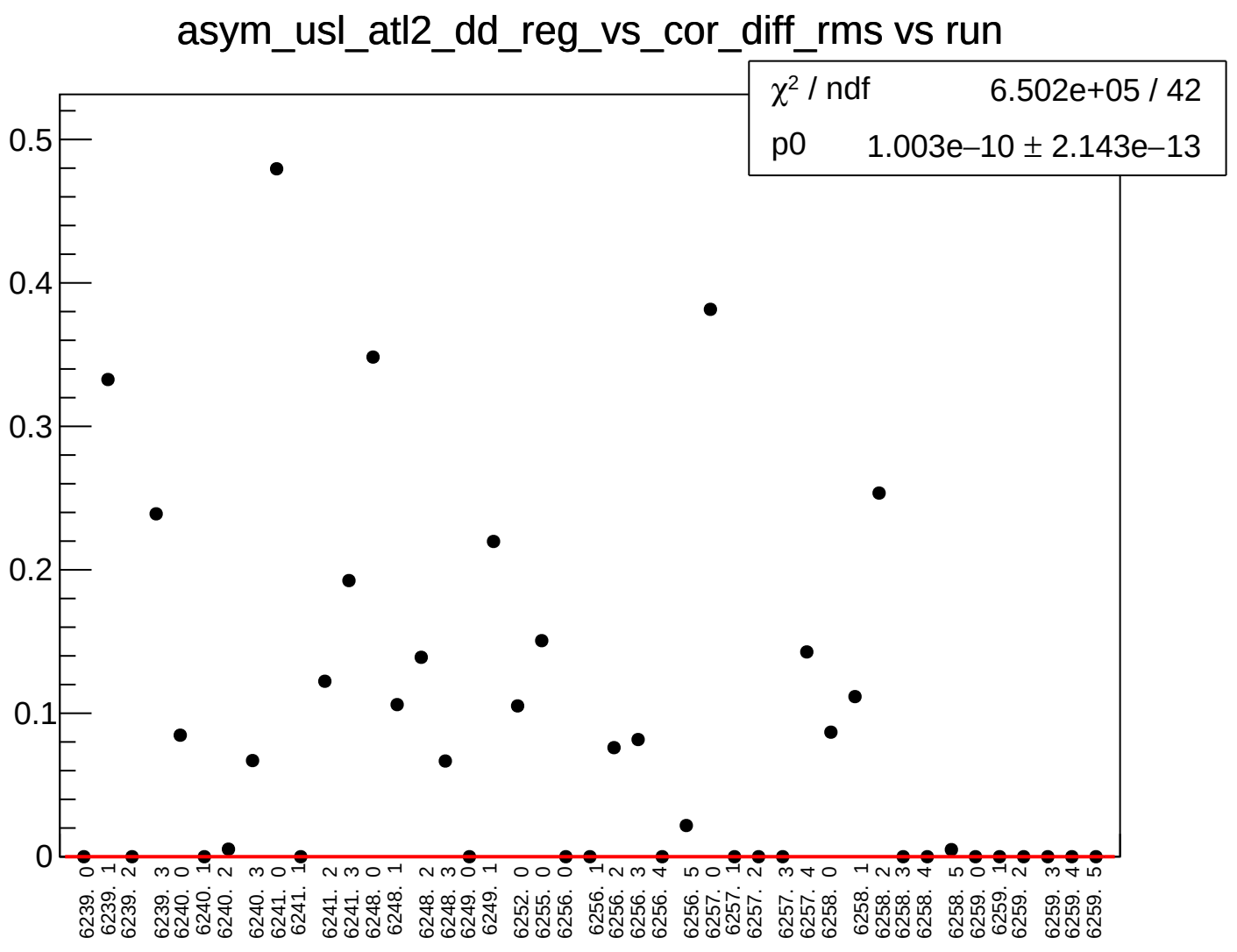

pull1D
Entries 43
Mean −0.03403
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

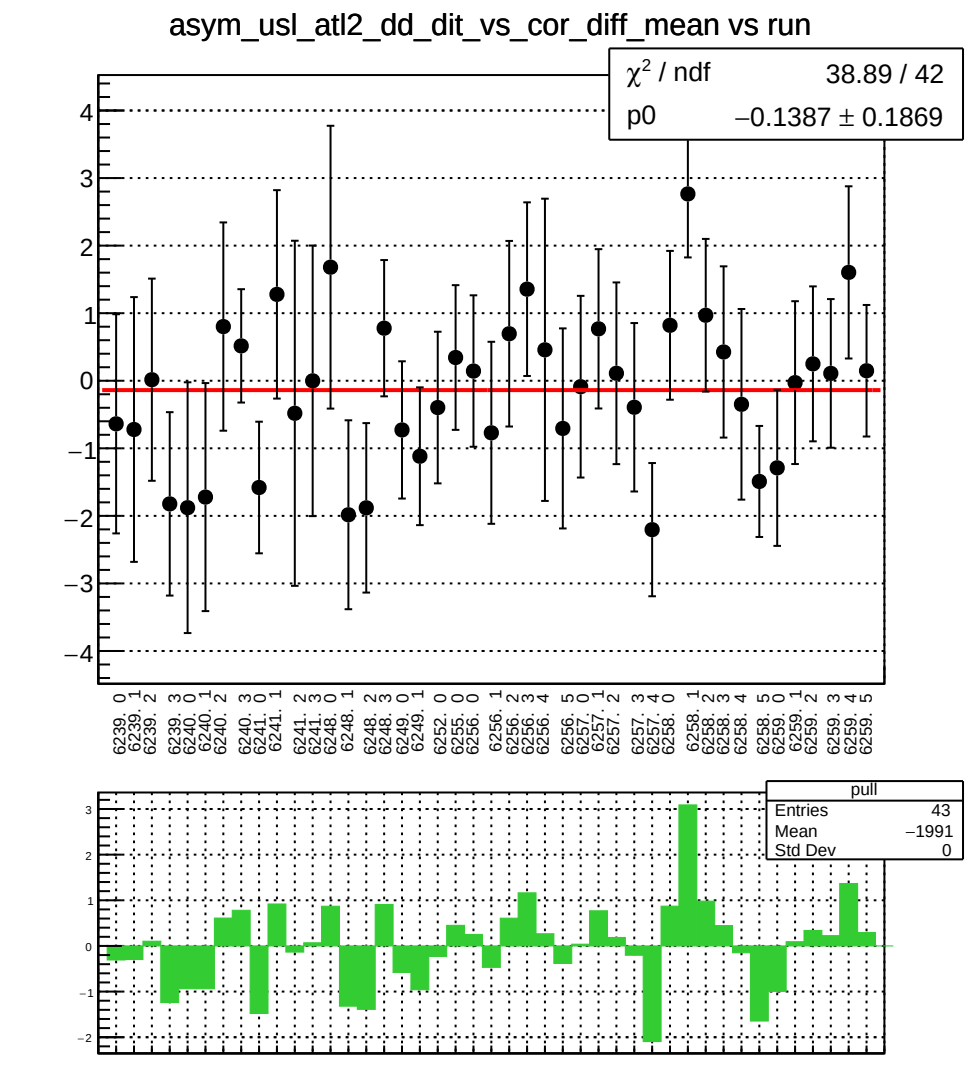

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1647 / 42
p0 2436 ± 2.615
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

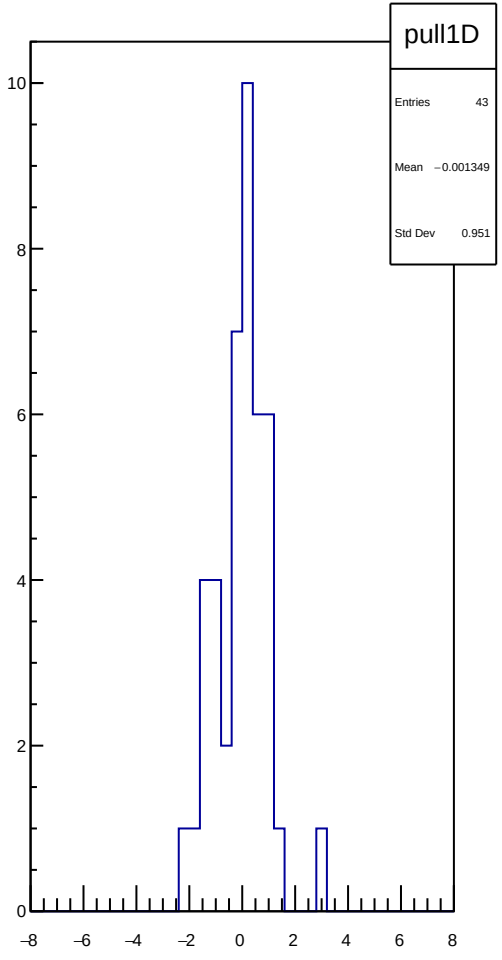

asym_usl_atl2_dd_mean vs run
χ² / ndf 35.75 / 42
p0 −1536 ± 3888
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03449
Std Dev 0.9111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

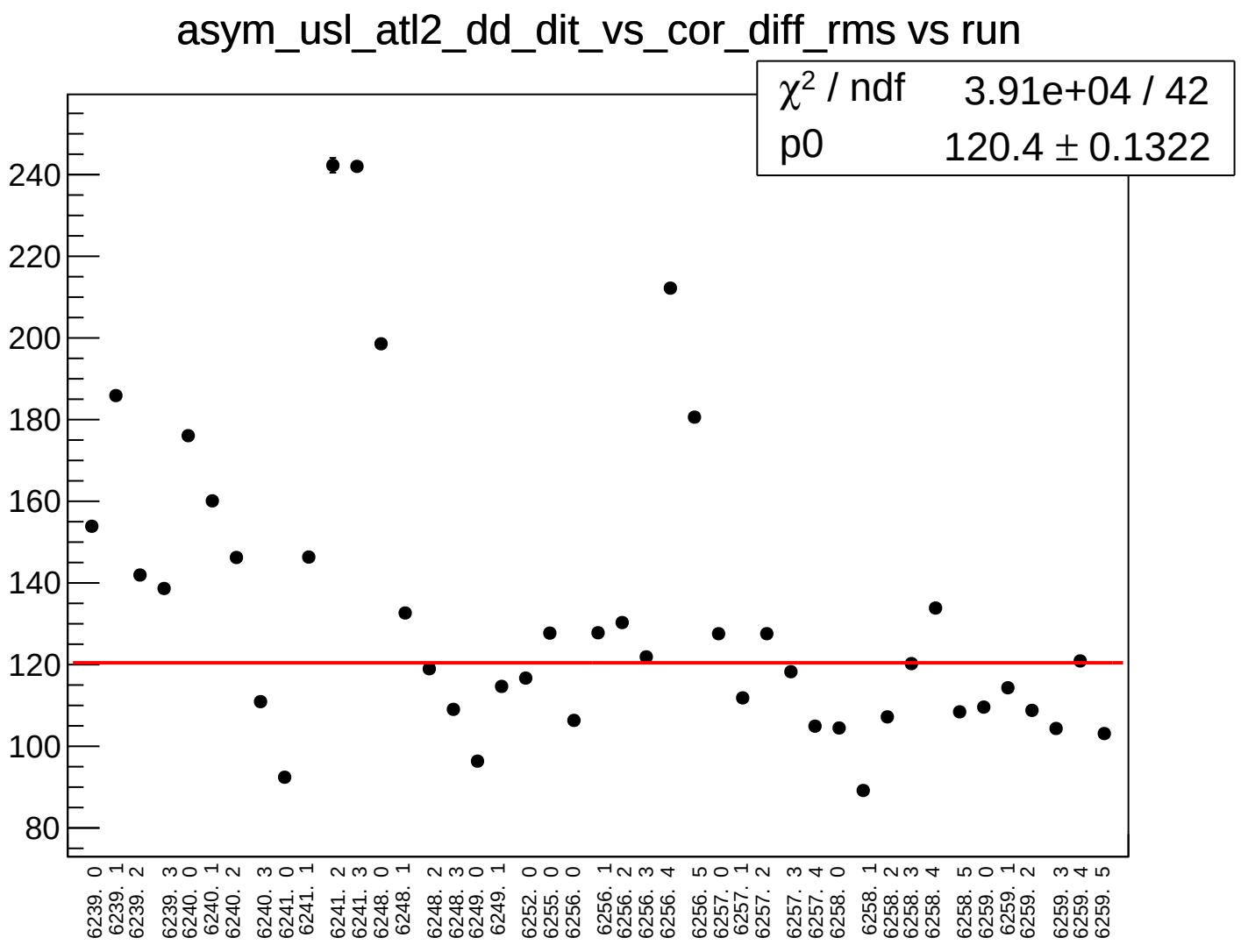

asym_usl_atl2_dd_rms vs run
χ² / ndf 1335 / 42
p0 2562 ± 2.749
2800
2700
2600
2500
2400
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

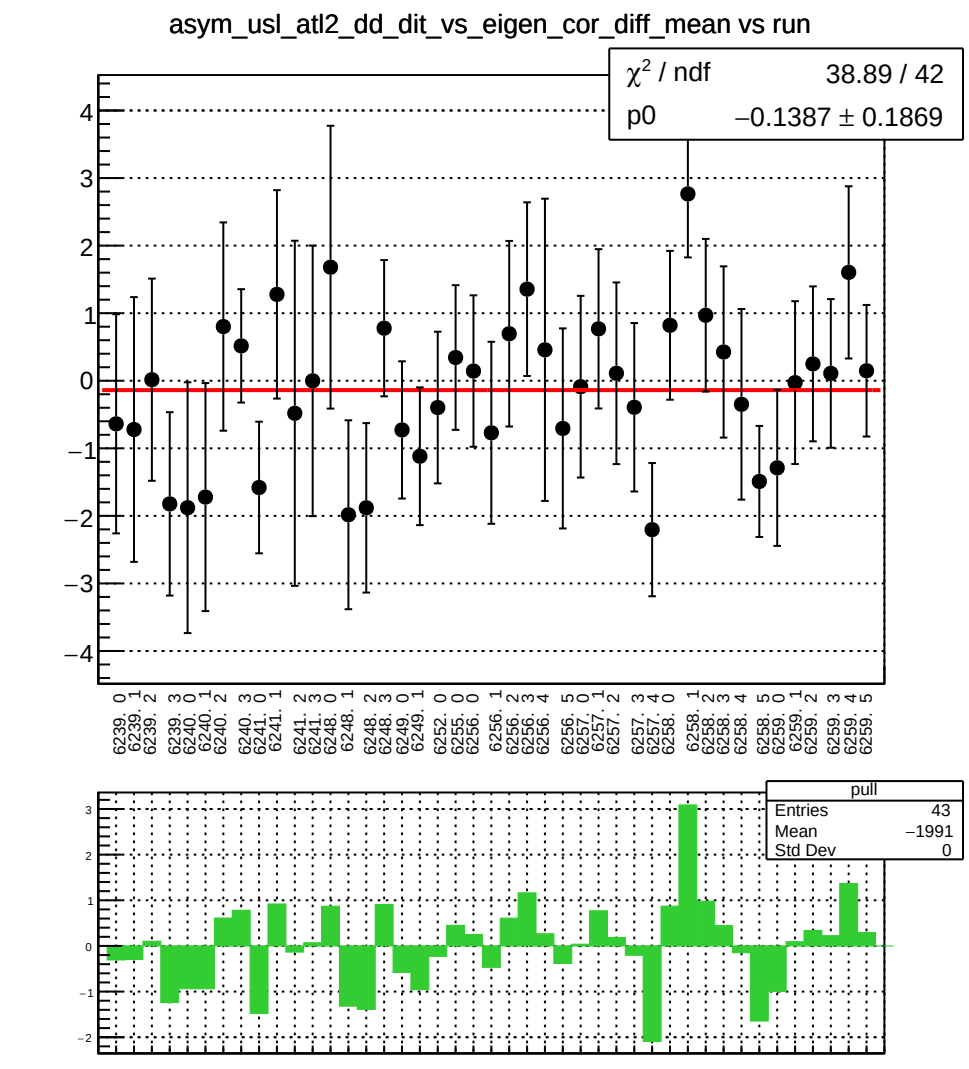

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.29 / 42
p0 6.776e−13 ± 3.03e−13
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −5.255
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.05589
Std Dev 0.8648
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

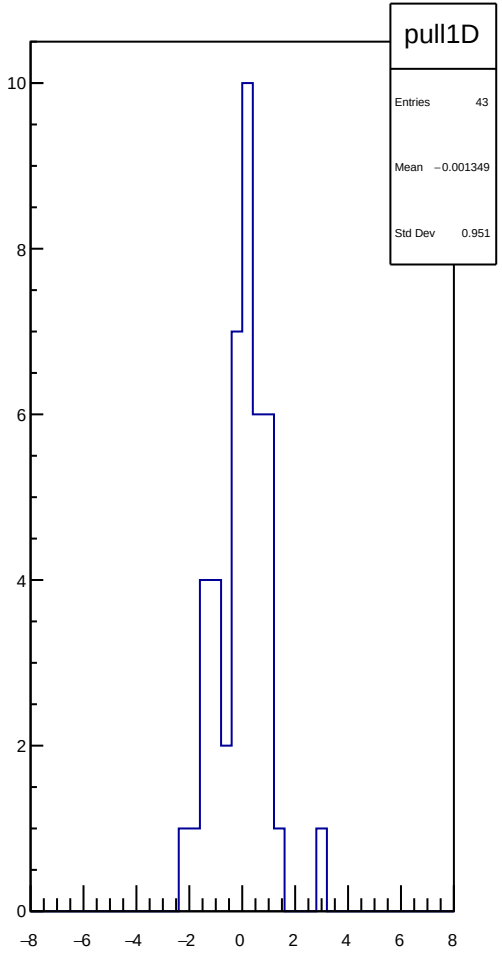

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.502e+05 / 42
p0 1.003e−10 ± 2.143e−13
0.5
0.4
0.3
0.2
0.1
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

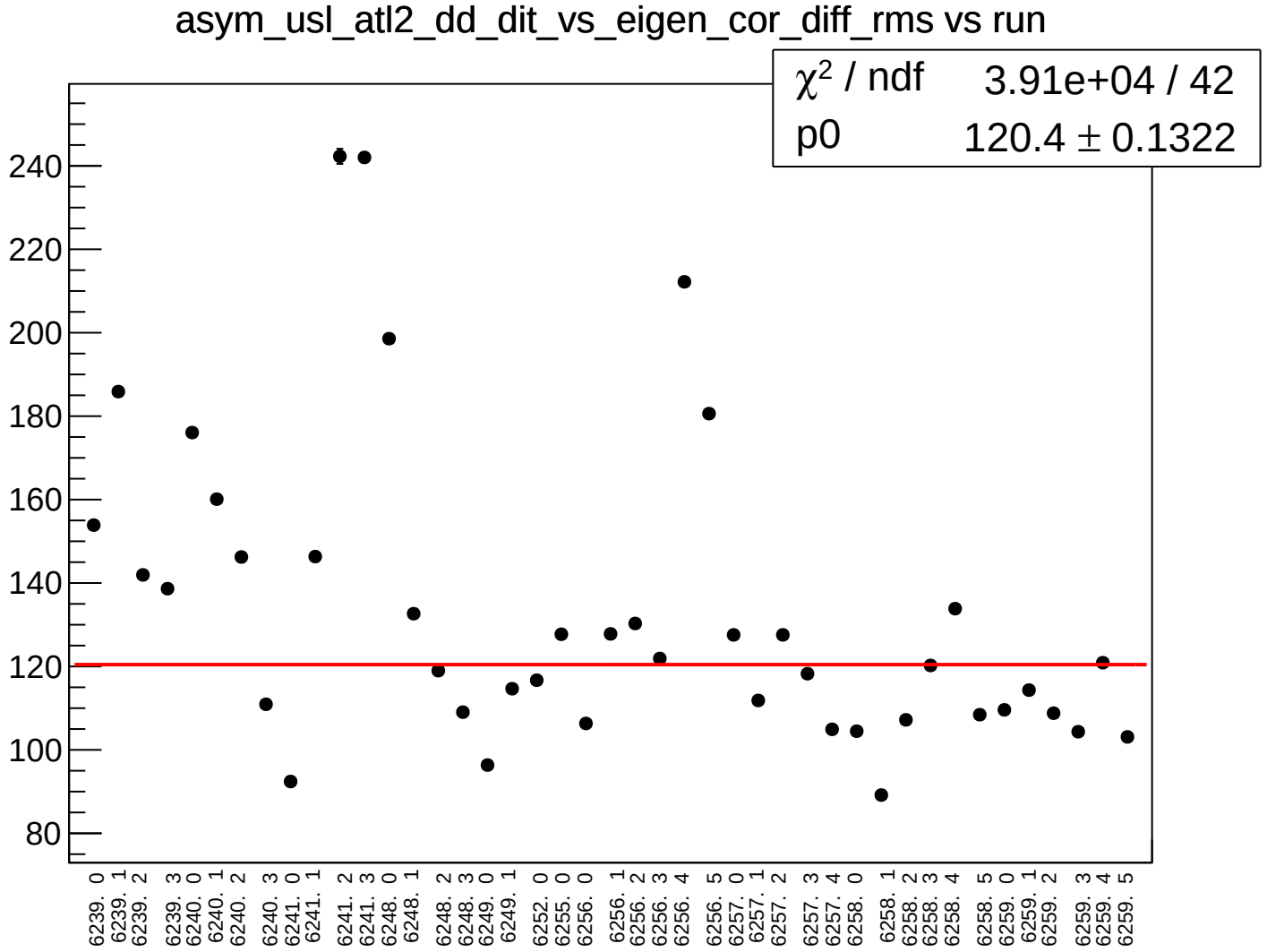

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.1387 ± 0.1869
pull
Entries 43
Mean −1991
Std Dev 0

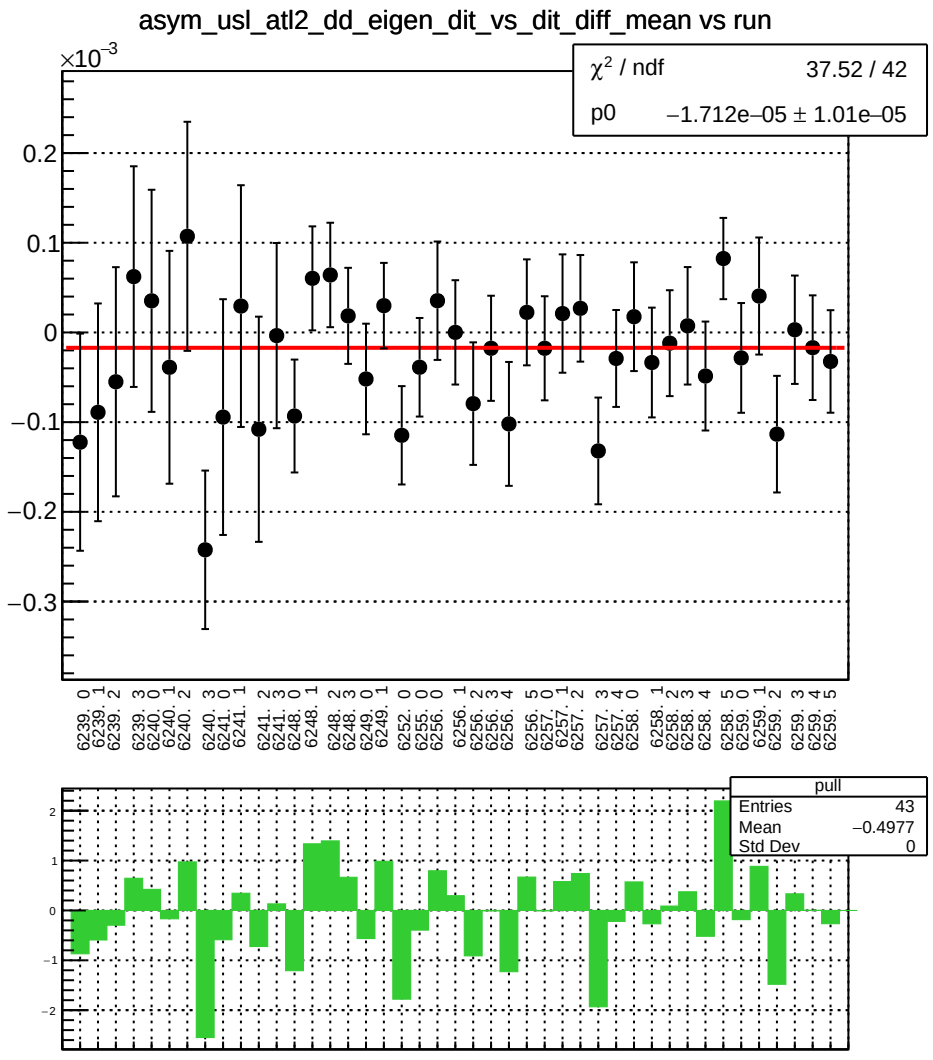

pull1D
Entries 43
Mean −0.001349
Std Dev 0.951

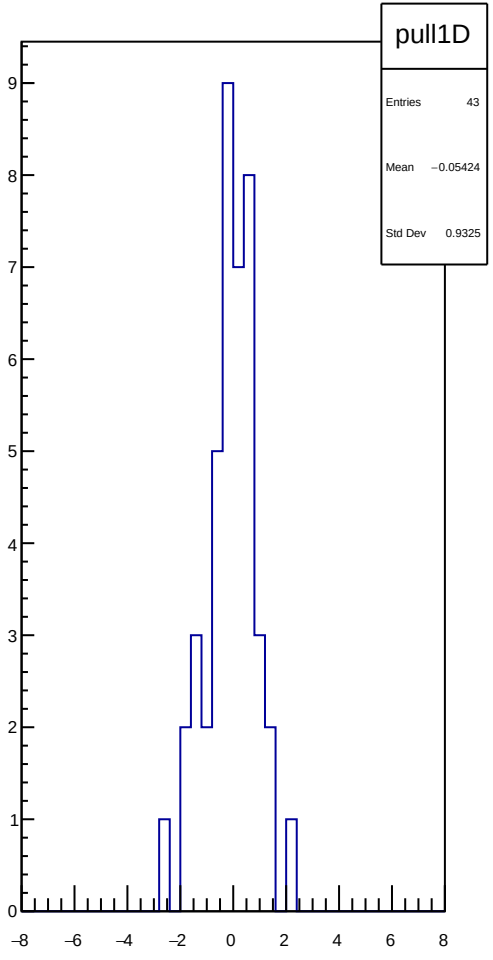

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.91e+04 / 42
p0 120.4 ± 0.1322
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

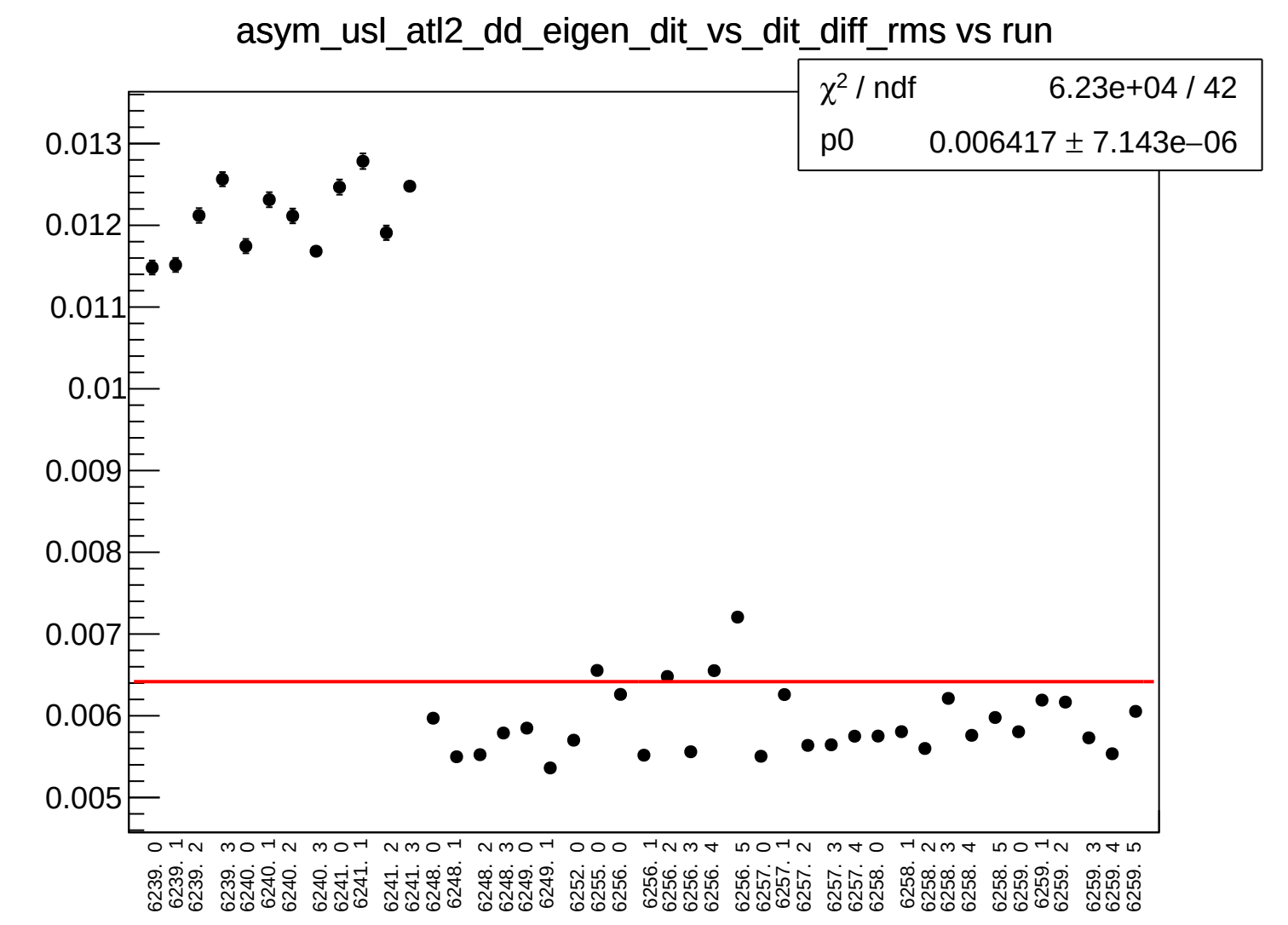

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.89 / 42
p0 −0.1387 ± 0.1869
pull
Entries 43
Mean −1991
Std Dev 0


pull1D
Entries 43
Mean −0.001349
Std Dev 0.951

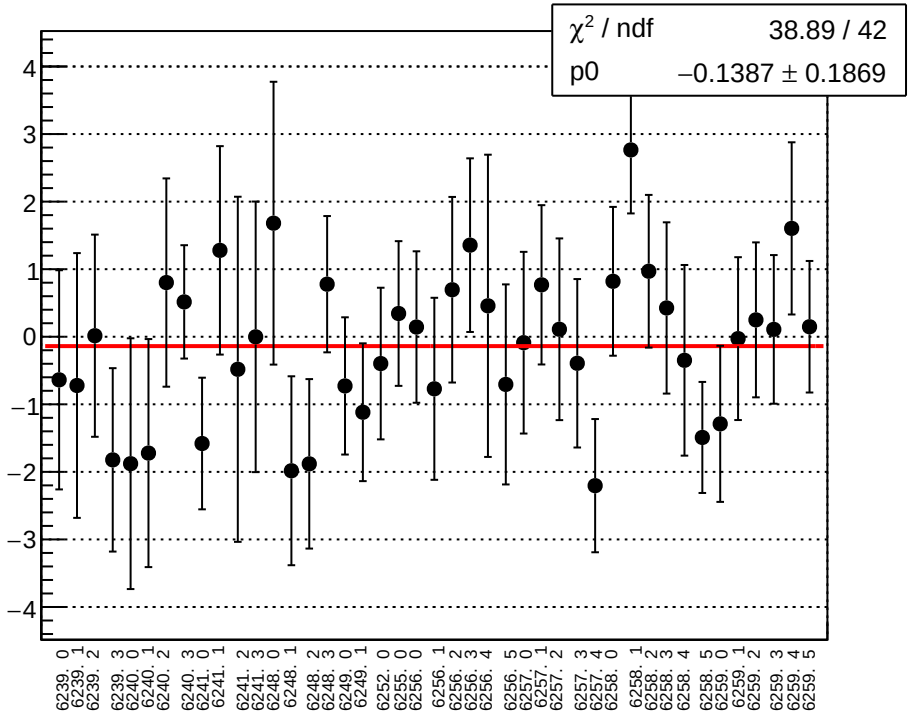

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.91e+04 / 42
p0 120.4 ± 0.1322
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

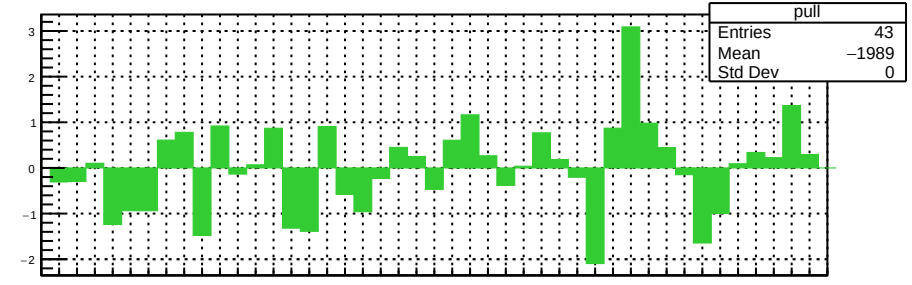

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.52 / 42
p0 −1.712e−05 ± 1.01e−05
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.4977
Std Dev 0
2
1
0
−1
−2

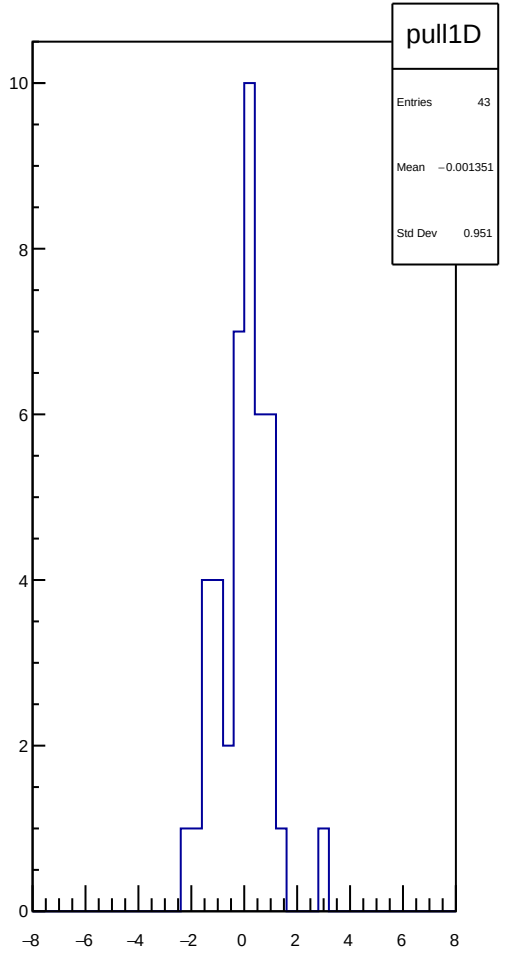

pull1D
Entries 43
Mean −0.05424
Std Dev 0.9325
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

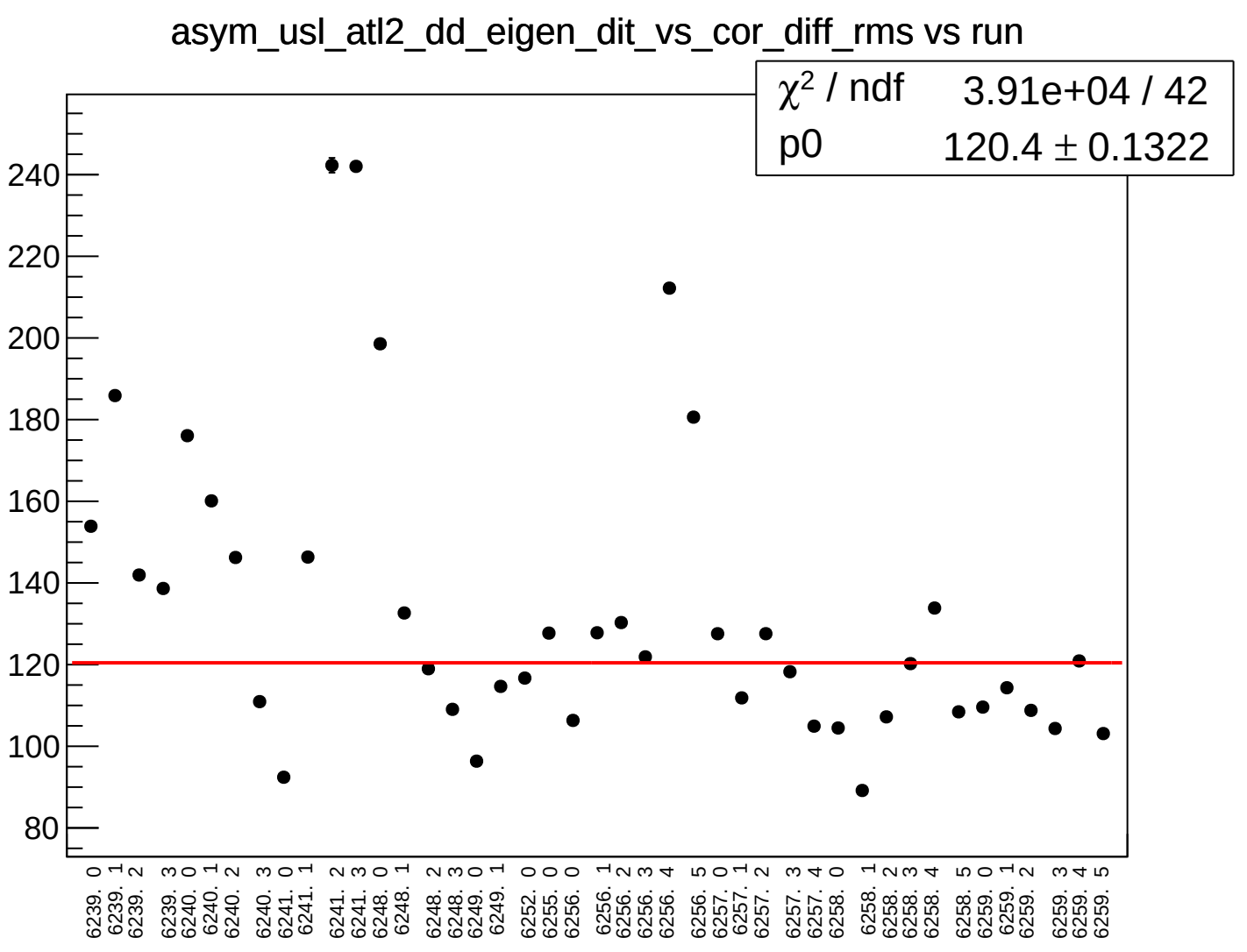

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.23e+04 / 42
p0 0.006417 ± 7.143e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run

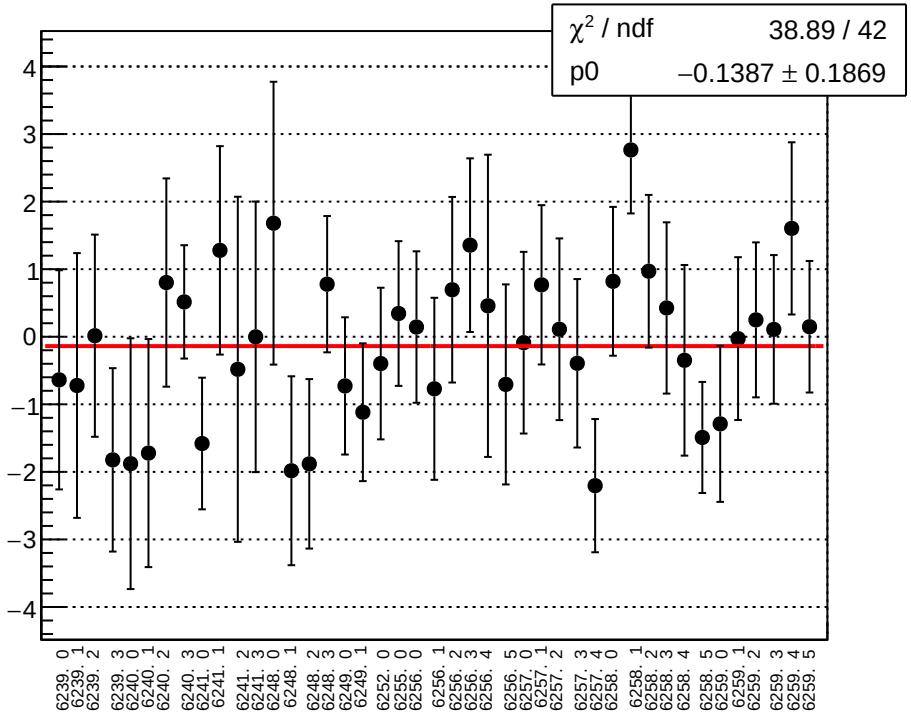


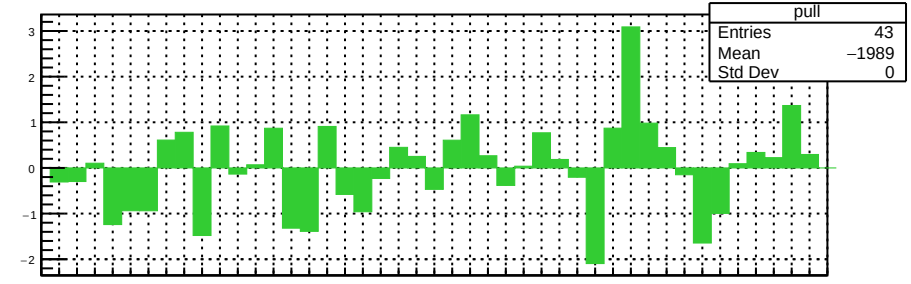



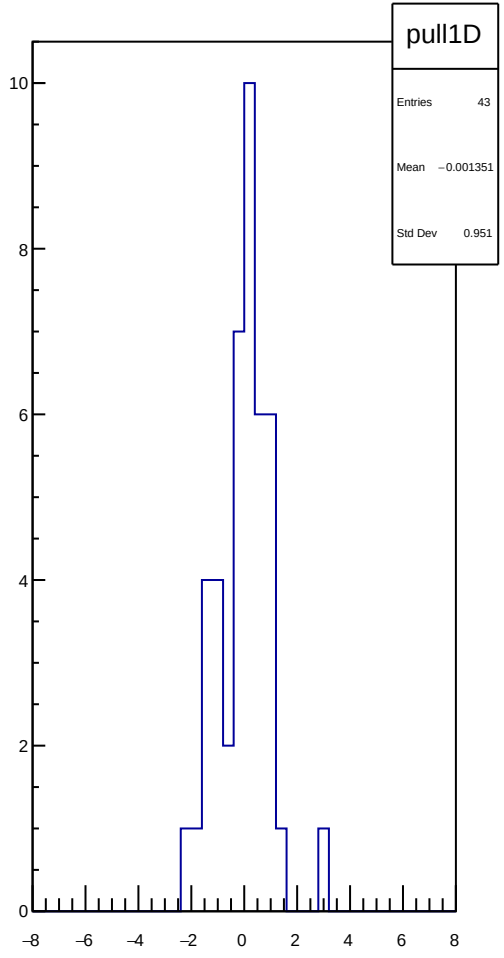



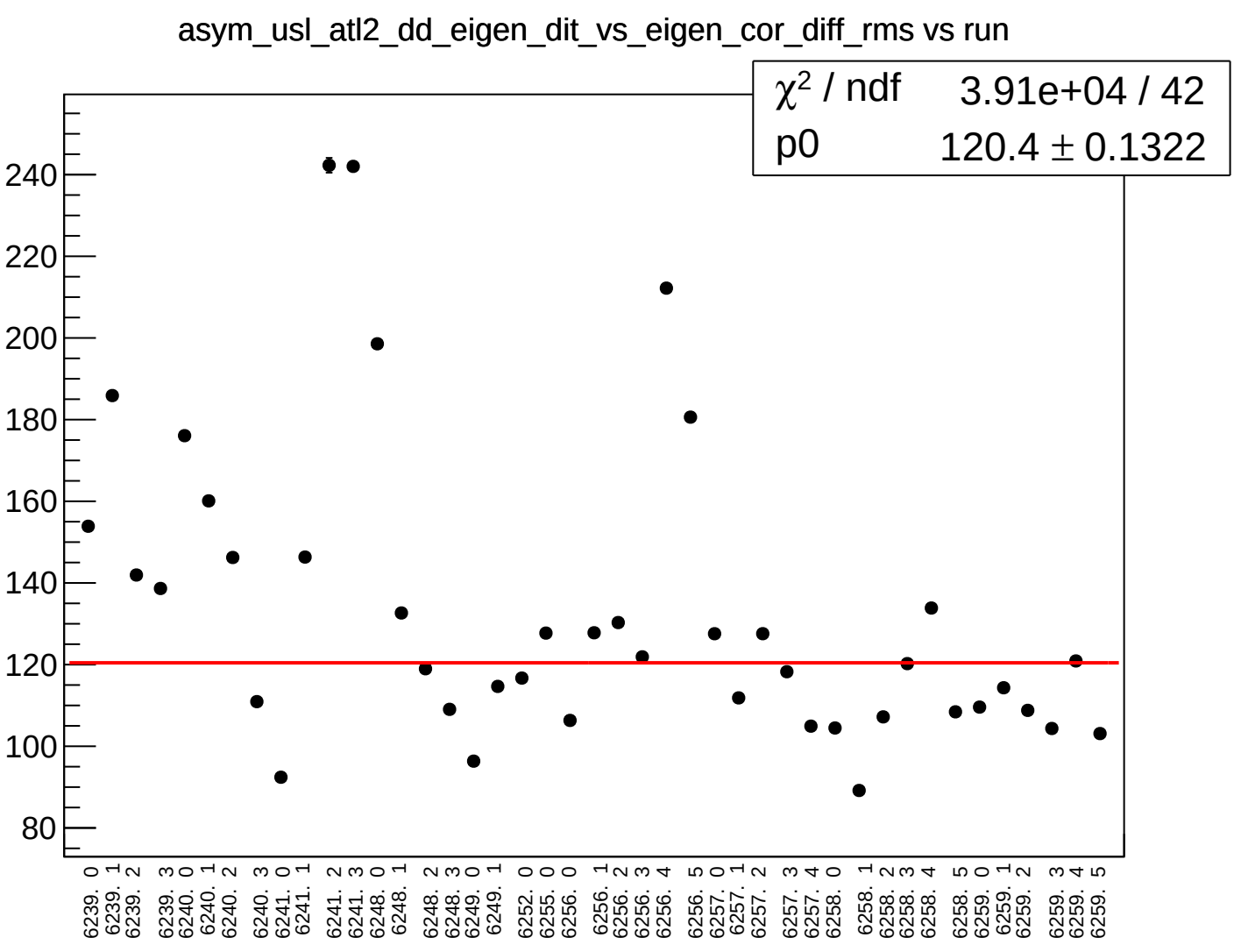

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.91e+04 / 42
p0 120.4 ± 0.1322
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

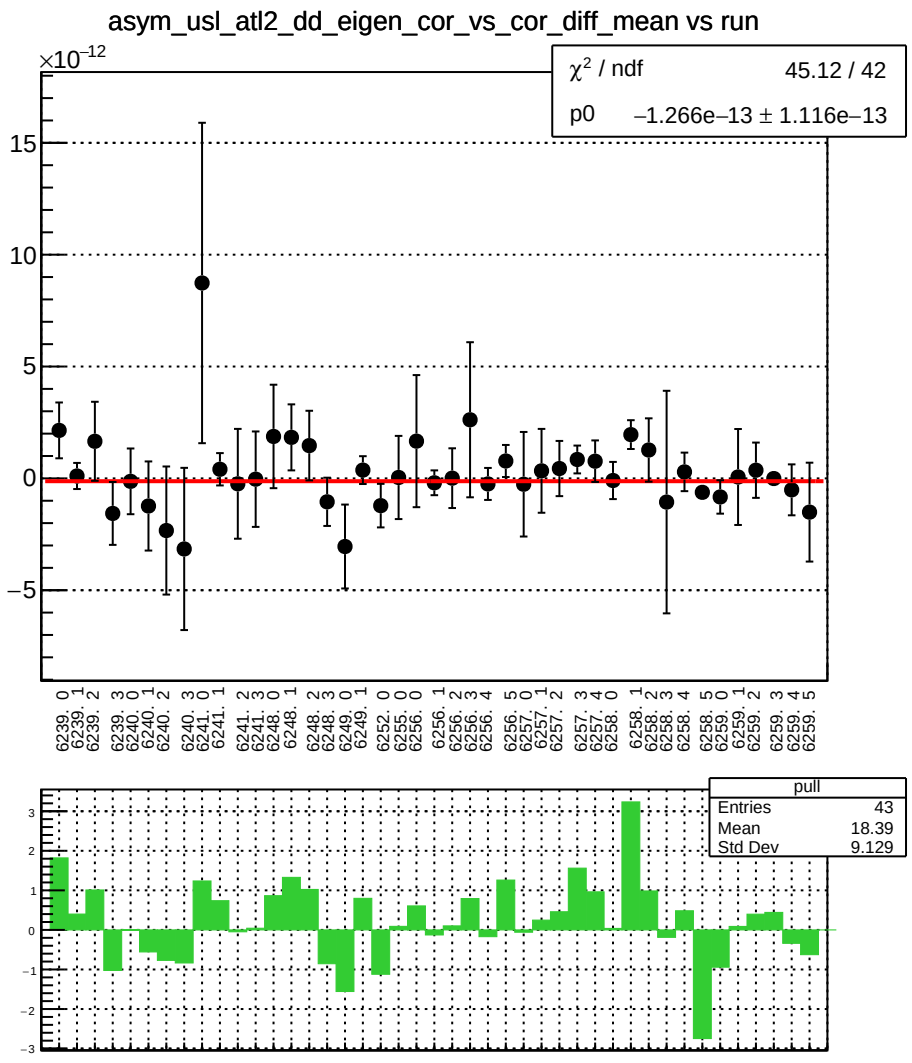
asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

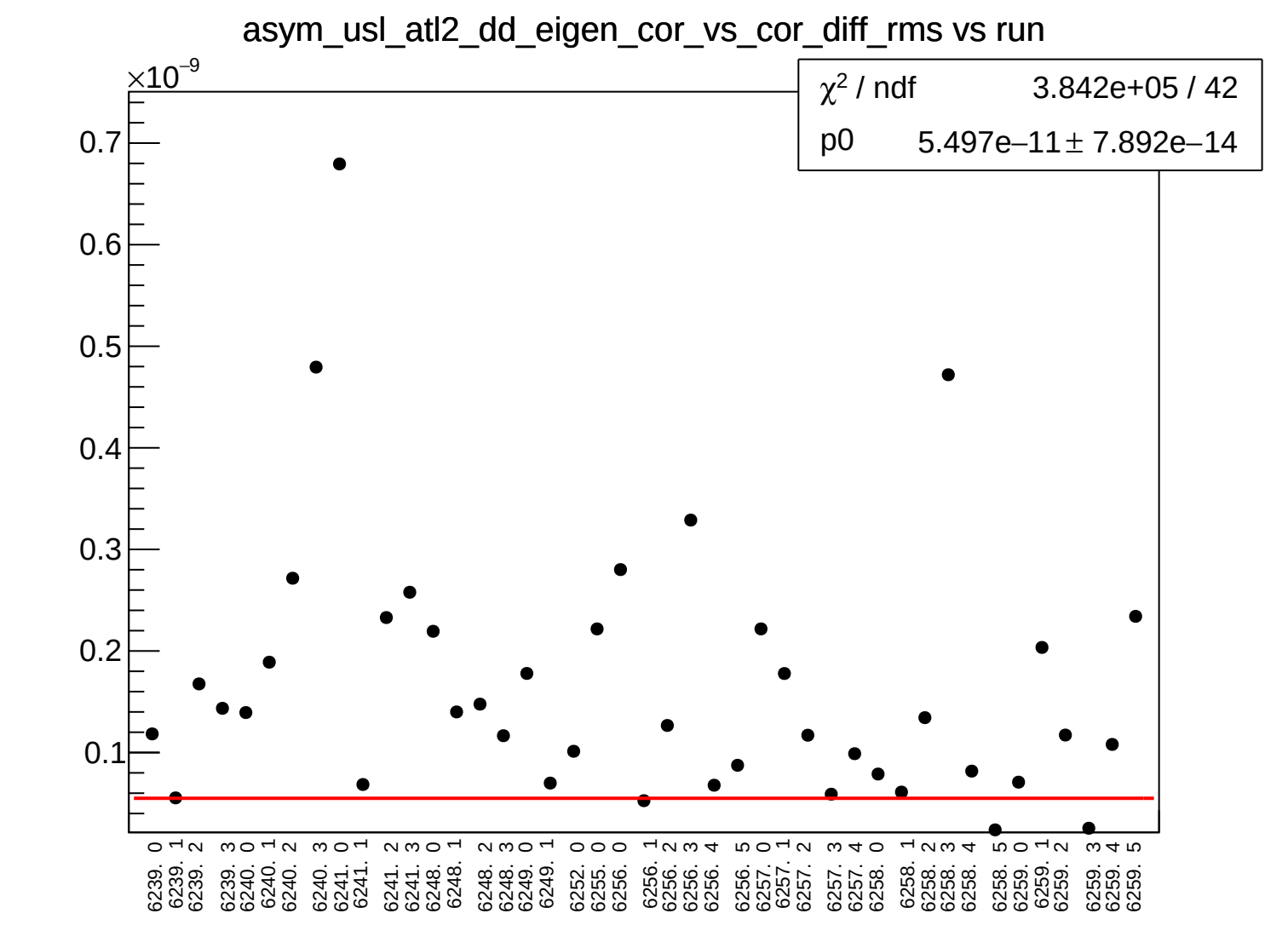


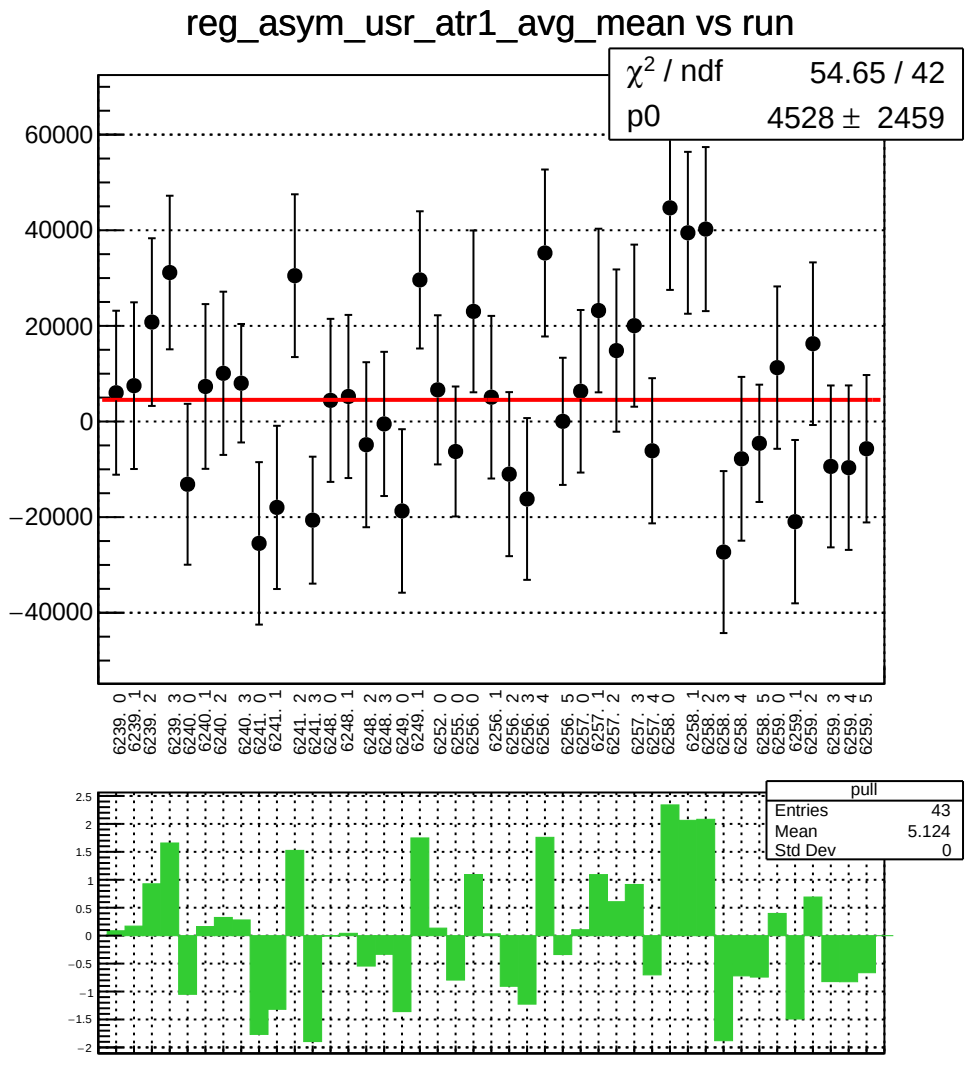



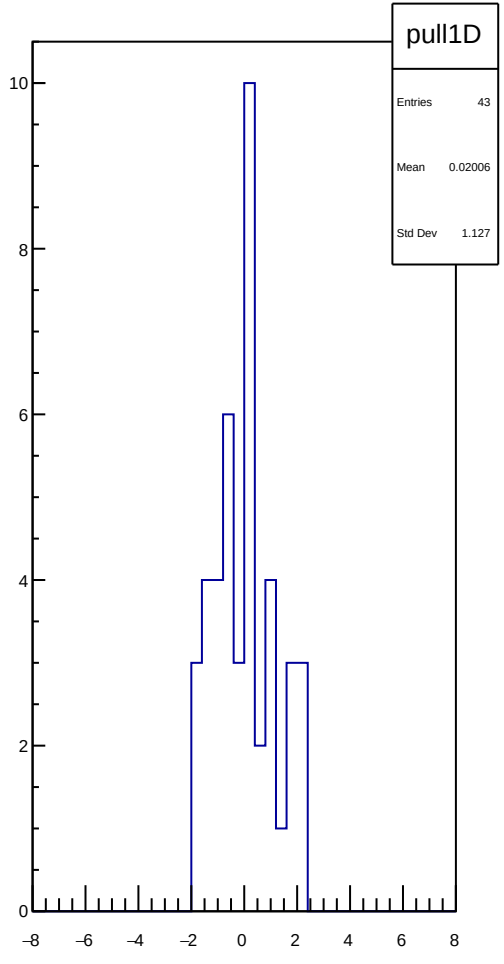



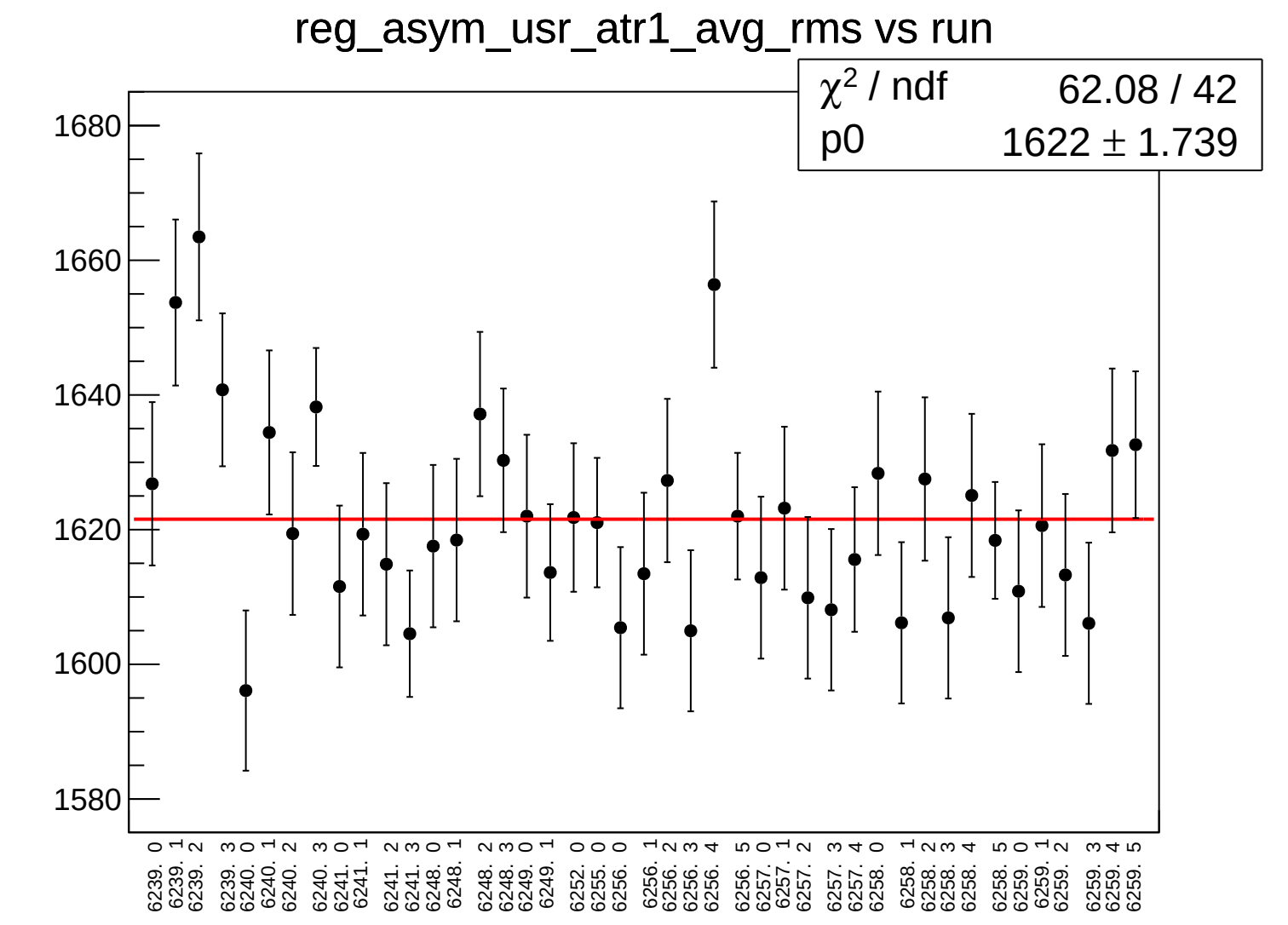

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.91e+04 / 42
p0 120.4 ± 0.1322
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

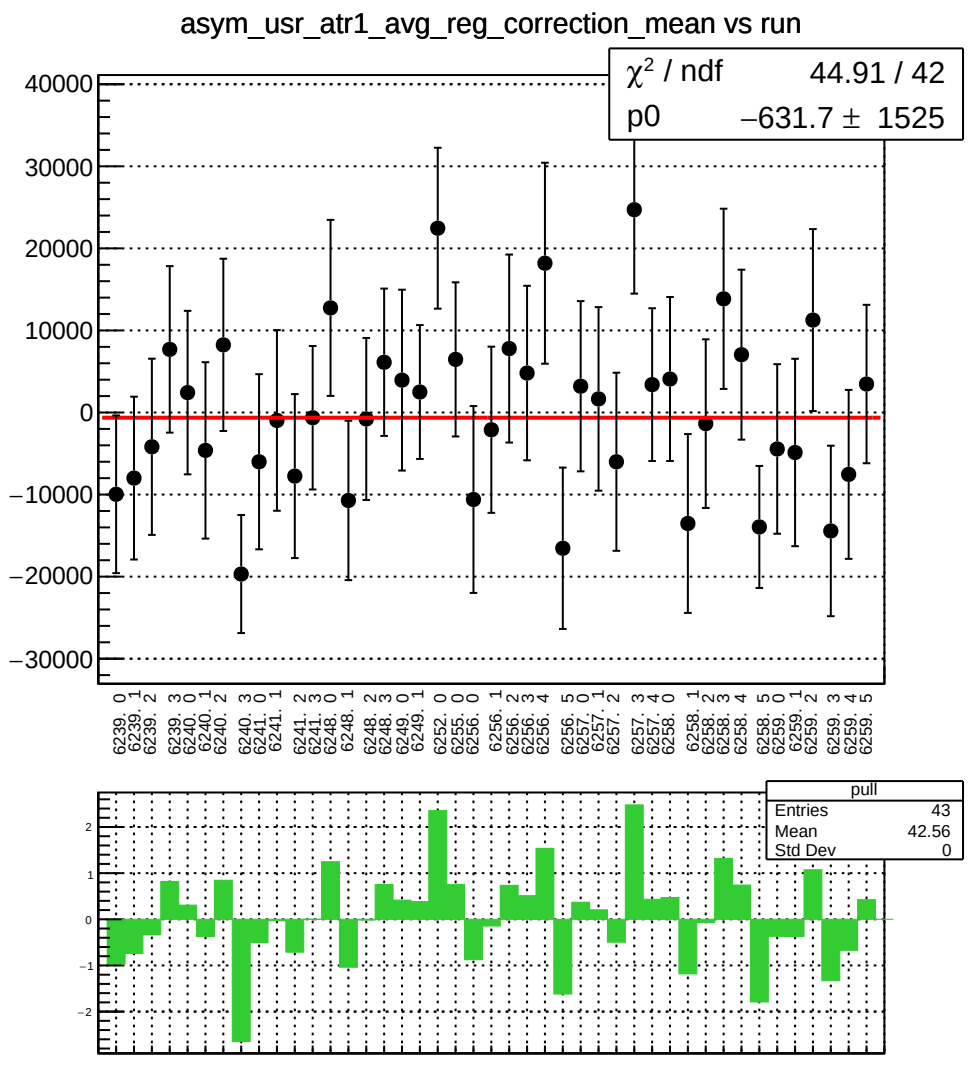

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.12 / 42
p0 −1.266e−13 ± 1.116e−13
15
10
5
0
−5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.39
Std Dev 9.129
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.2104
Std Dev 1.003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

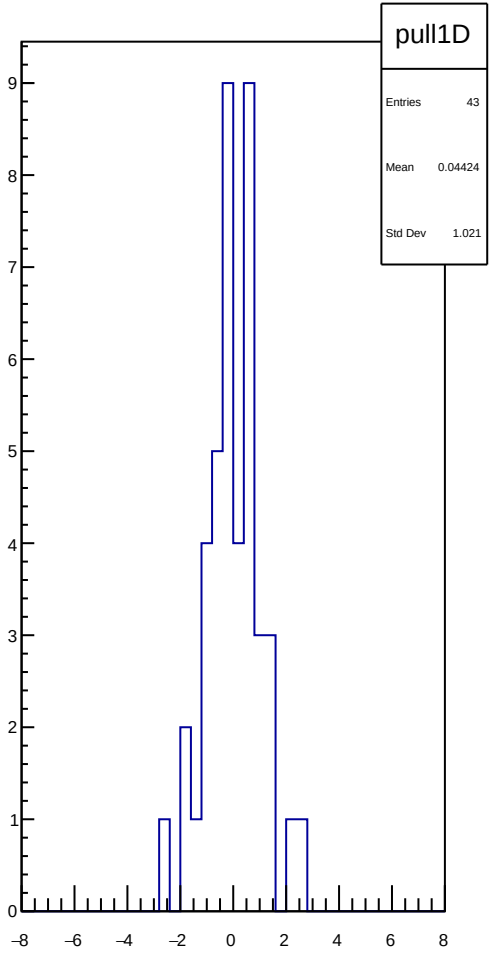

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.842e+05 / 42
p0 5.497e−11 ± 7.892e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

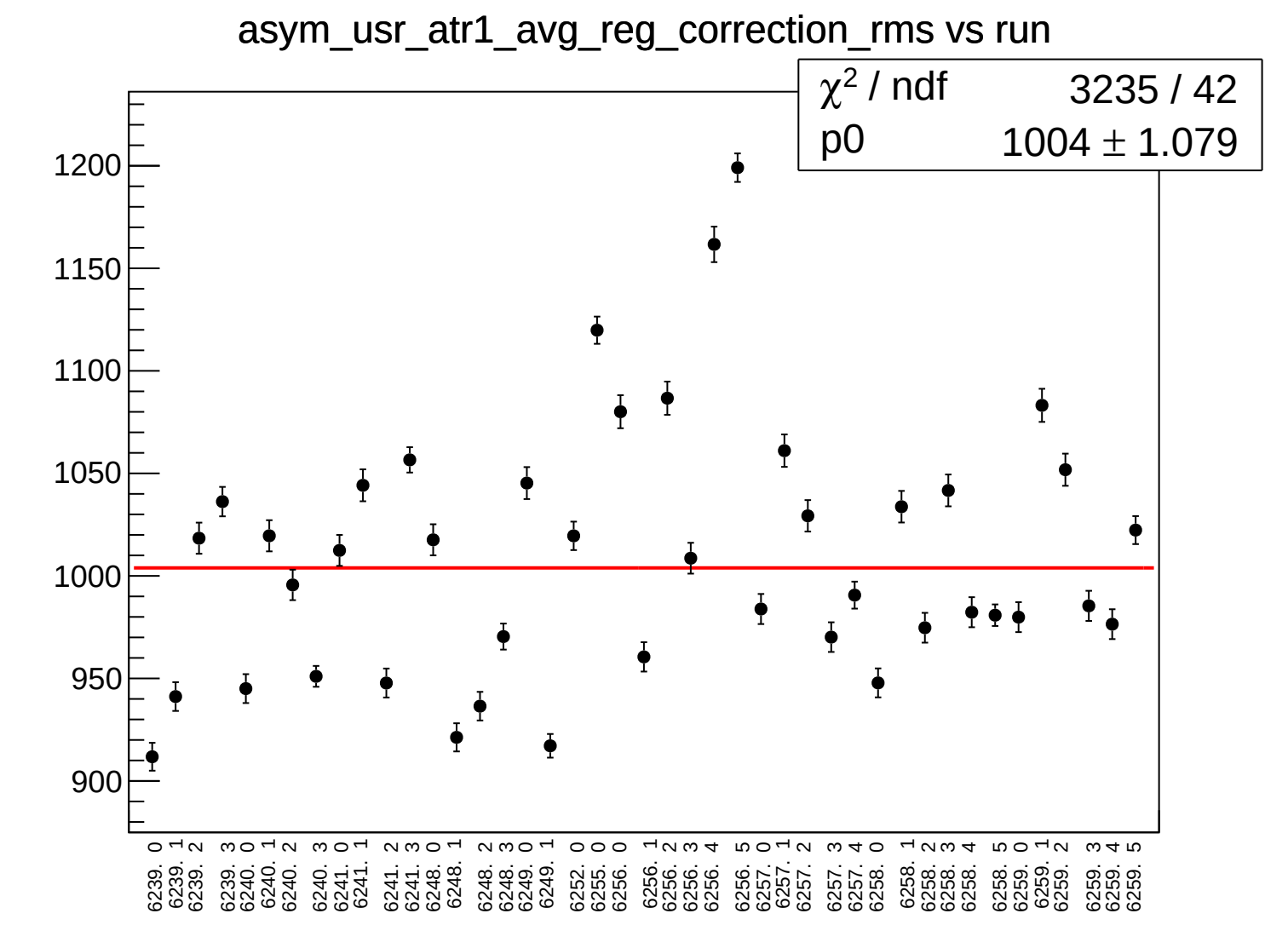

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 54.65 / 42
p0 4528 ± 2459
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.124
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

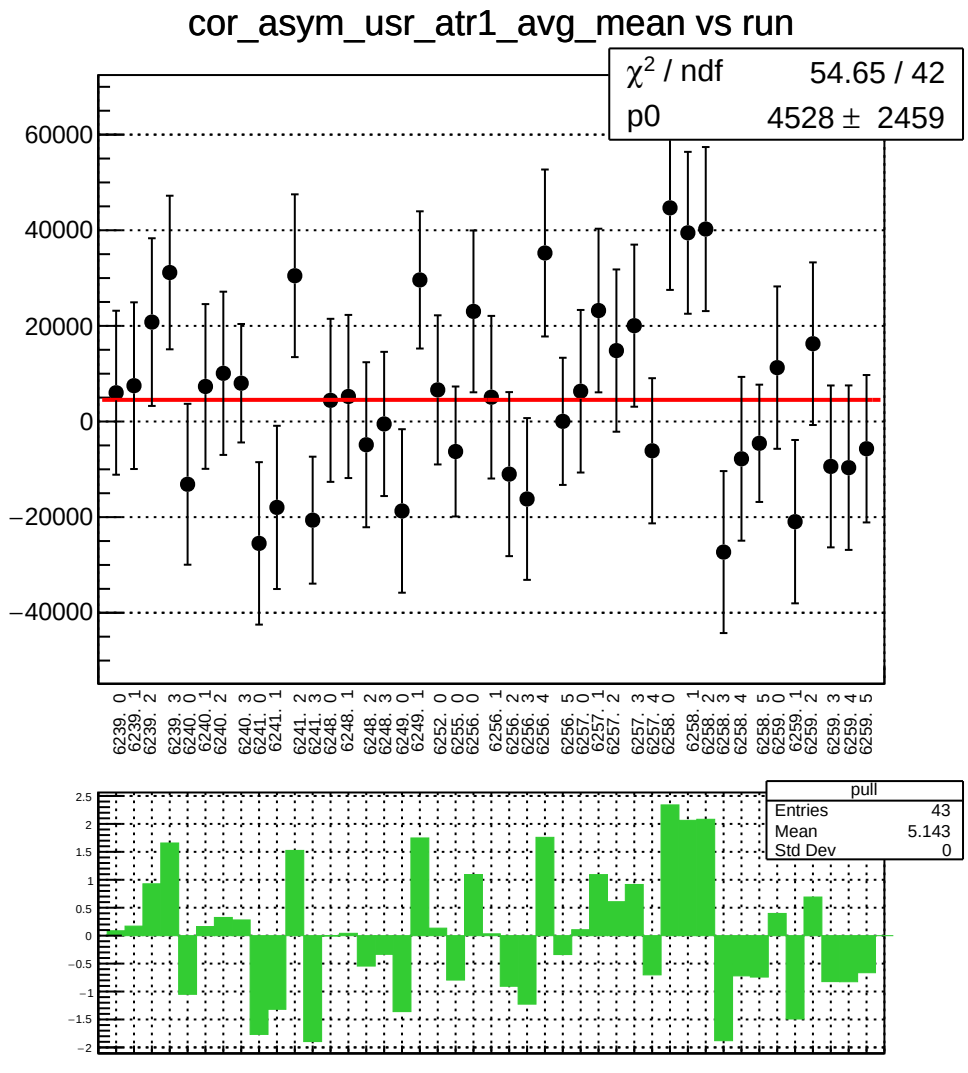

pull1D
Entries 43
Mean 0.02006
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

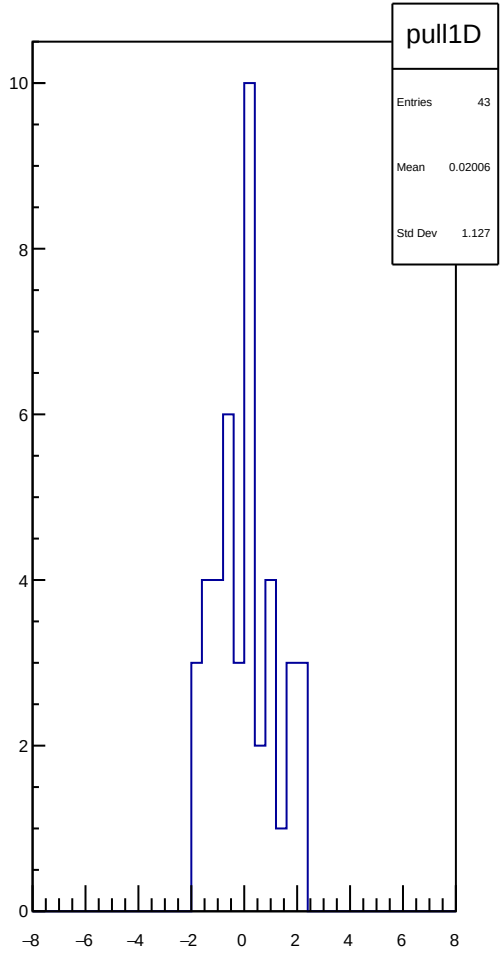

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.08 / 42
p0 1622 ± 1.739
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

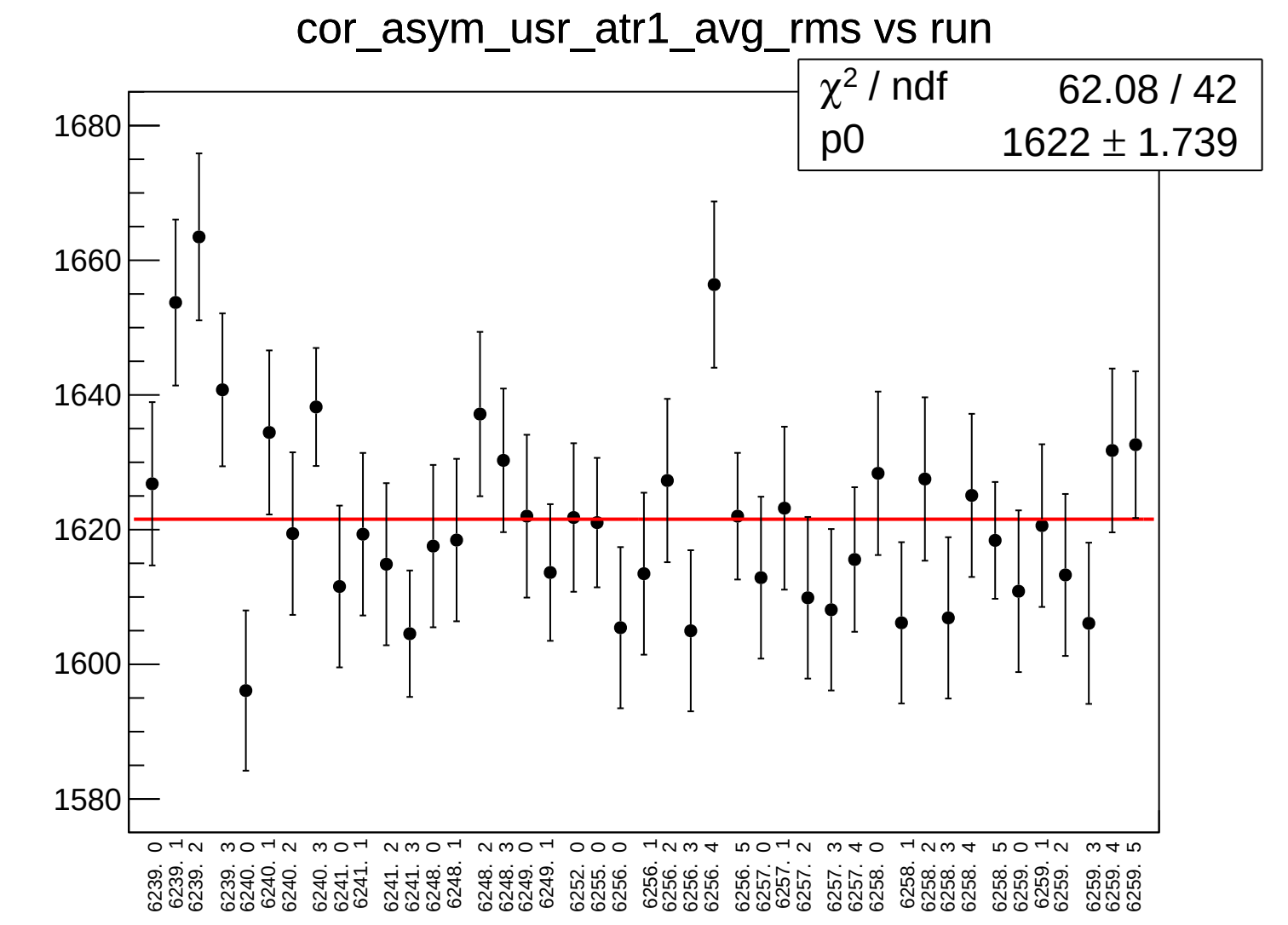

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 44.91 / 42
p0 −631.7 ± 1525
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.56
Std Dev 0
2
1
0
−1
−2

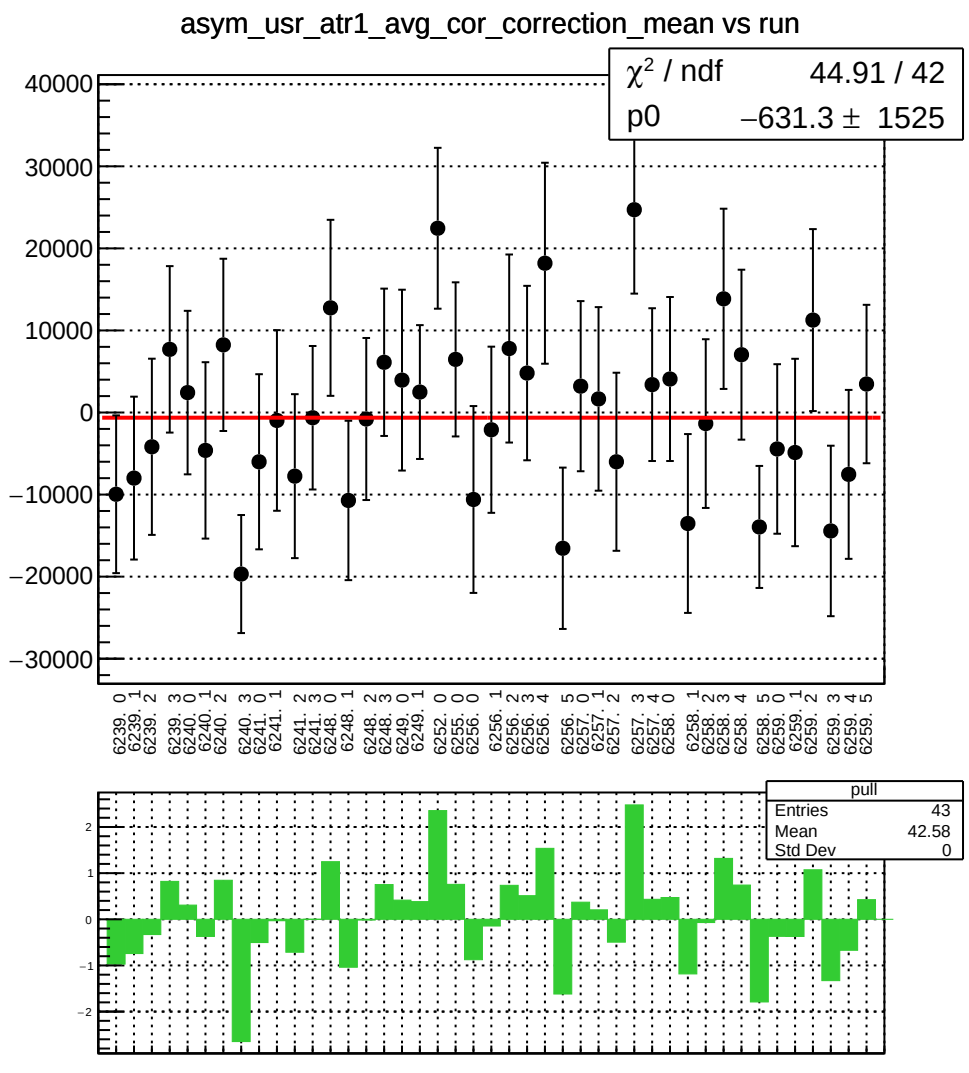

pull1D
Entries 43
Mean 0.04424
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

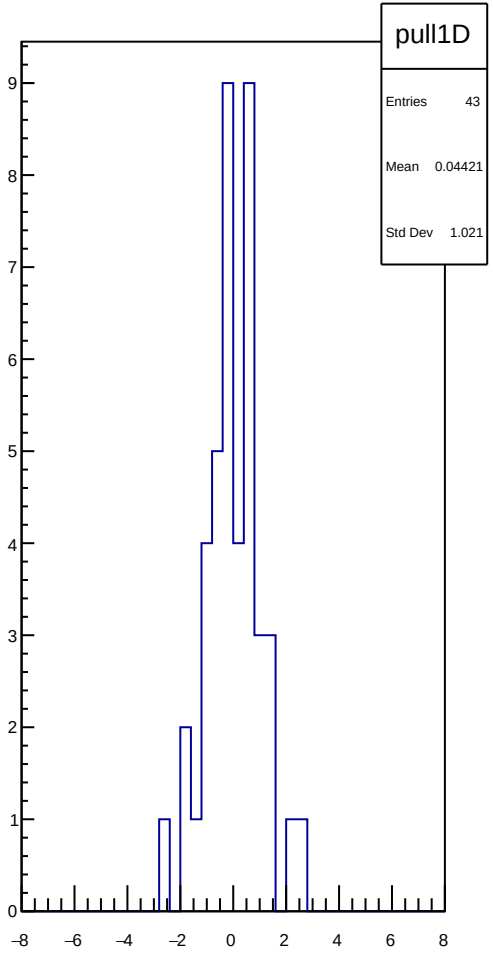

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3235 / 42
p0 1004 ± 1.079
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

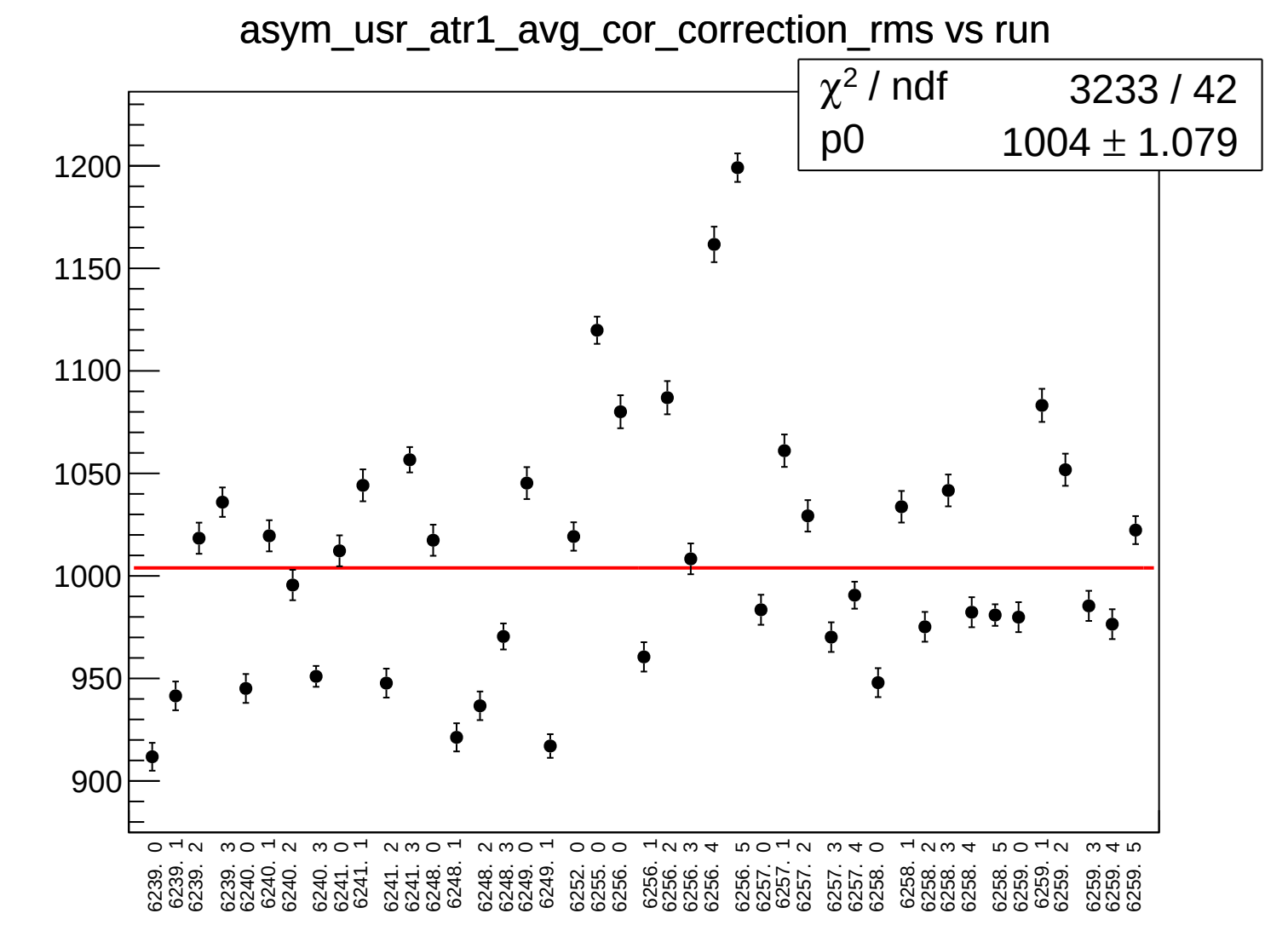

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 54.65 / 42
p0 4528 ± 2459
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.143
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

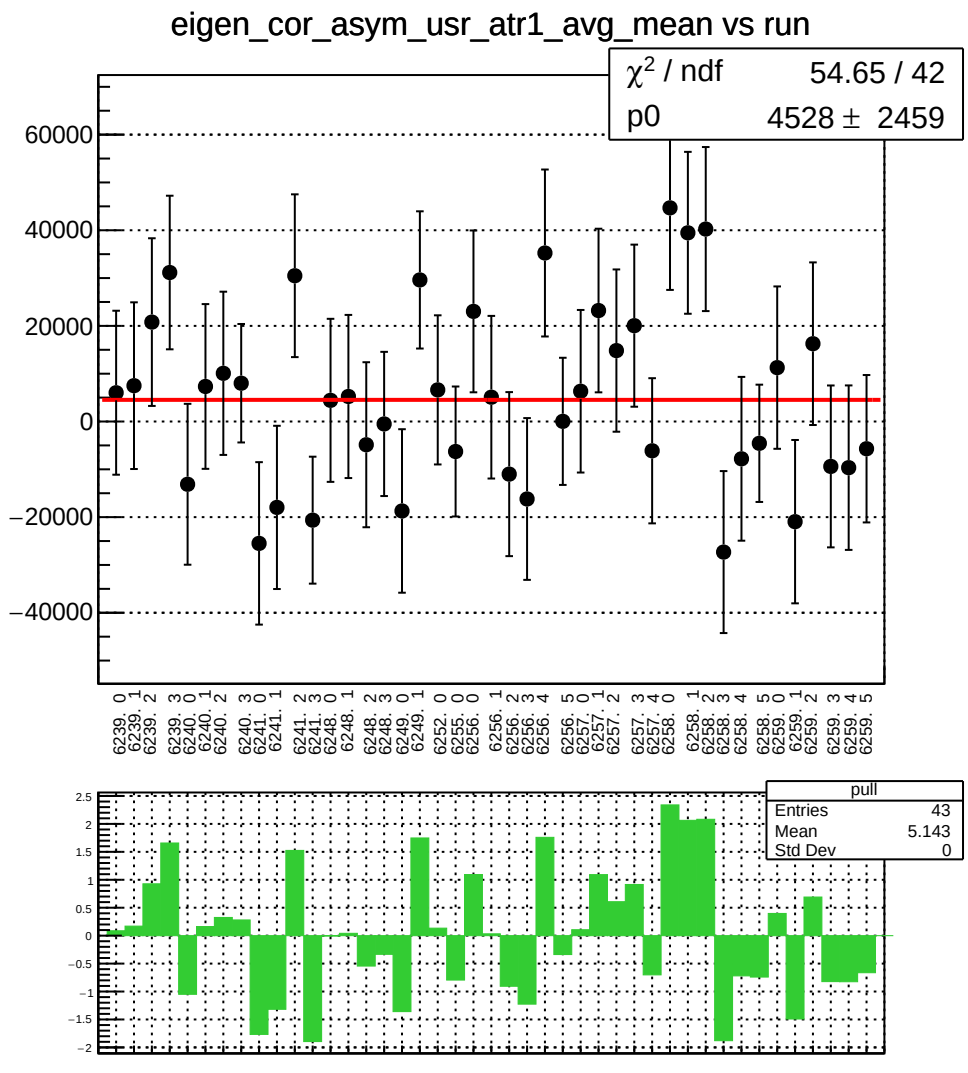

pull1D
Entries 43
Mean 0.02006
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

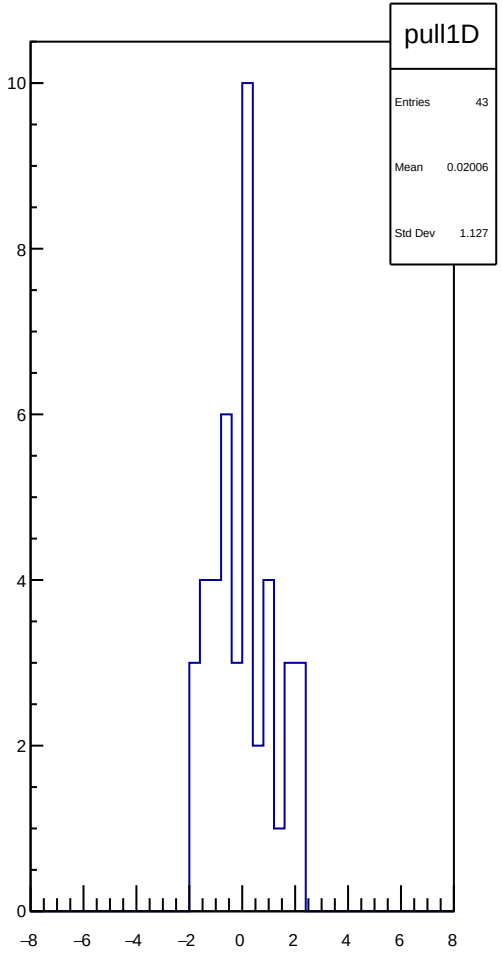

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.08 / 42
p0 1622 ± 1.739
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

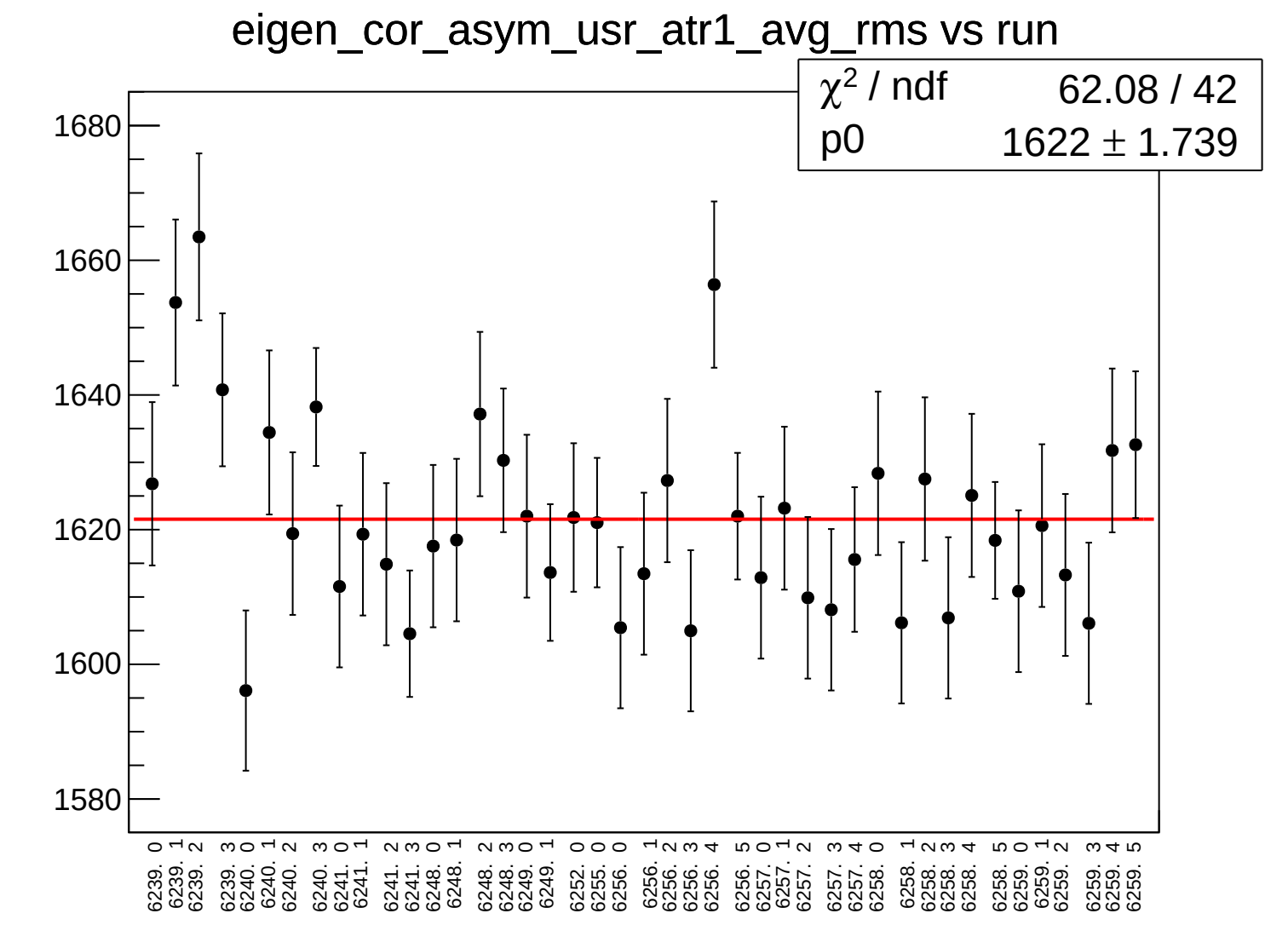

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 44.91 / 42
p0 −631.3 ± 1525
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.58
Std Dev 0
2
1
0
−1
−2

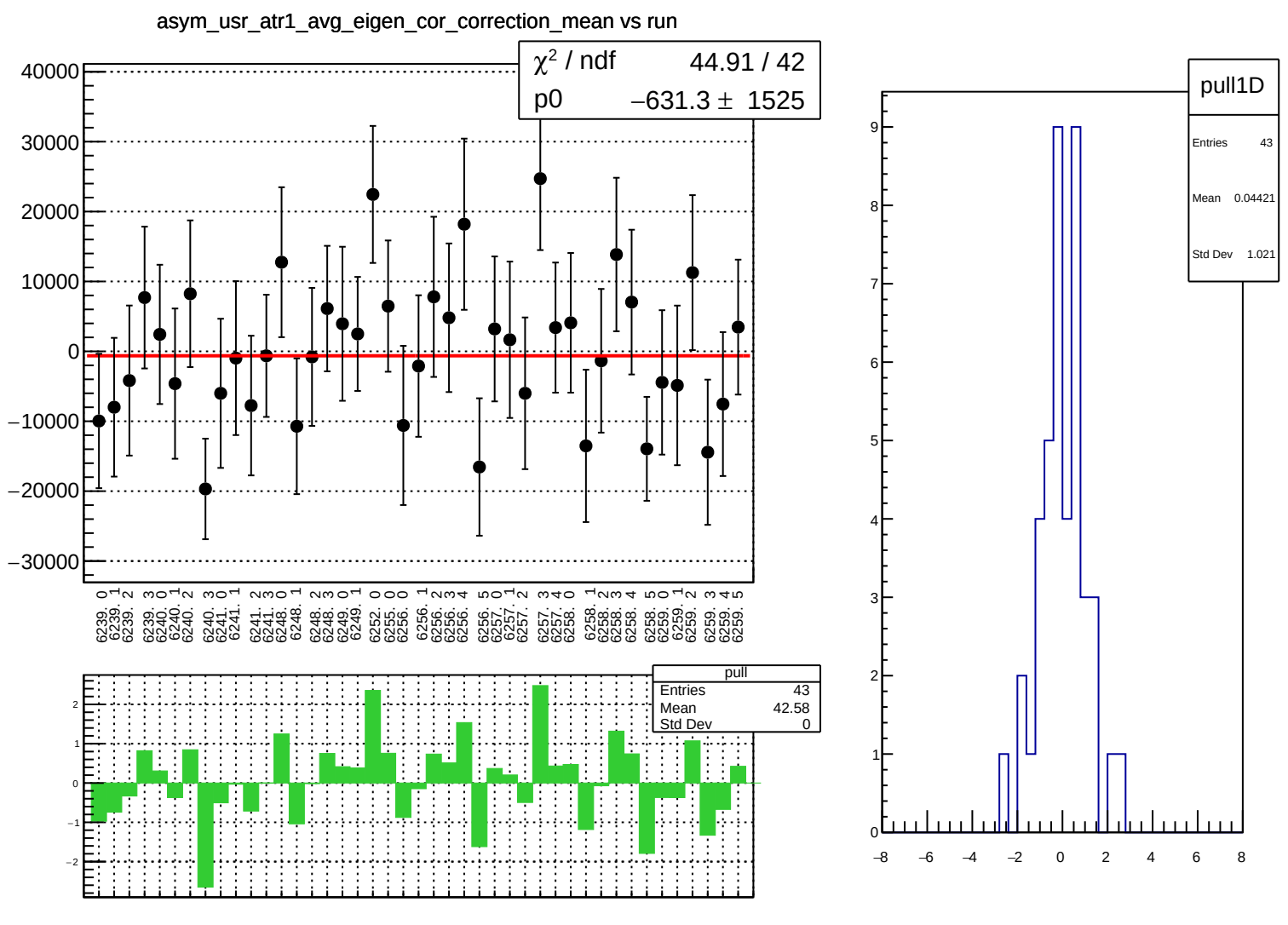

pull1D
Entries 43
Mean 0.04421
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

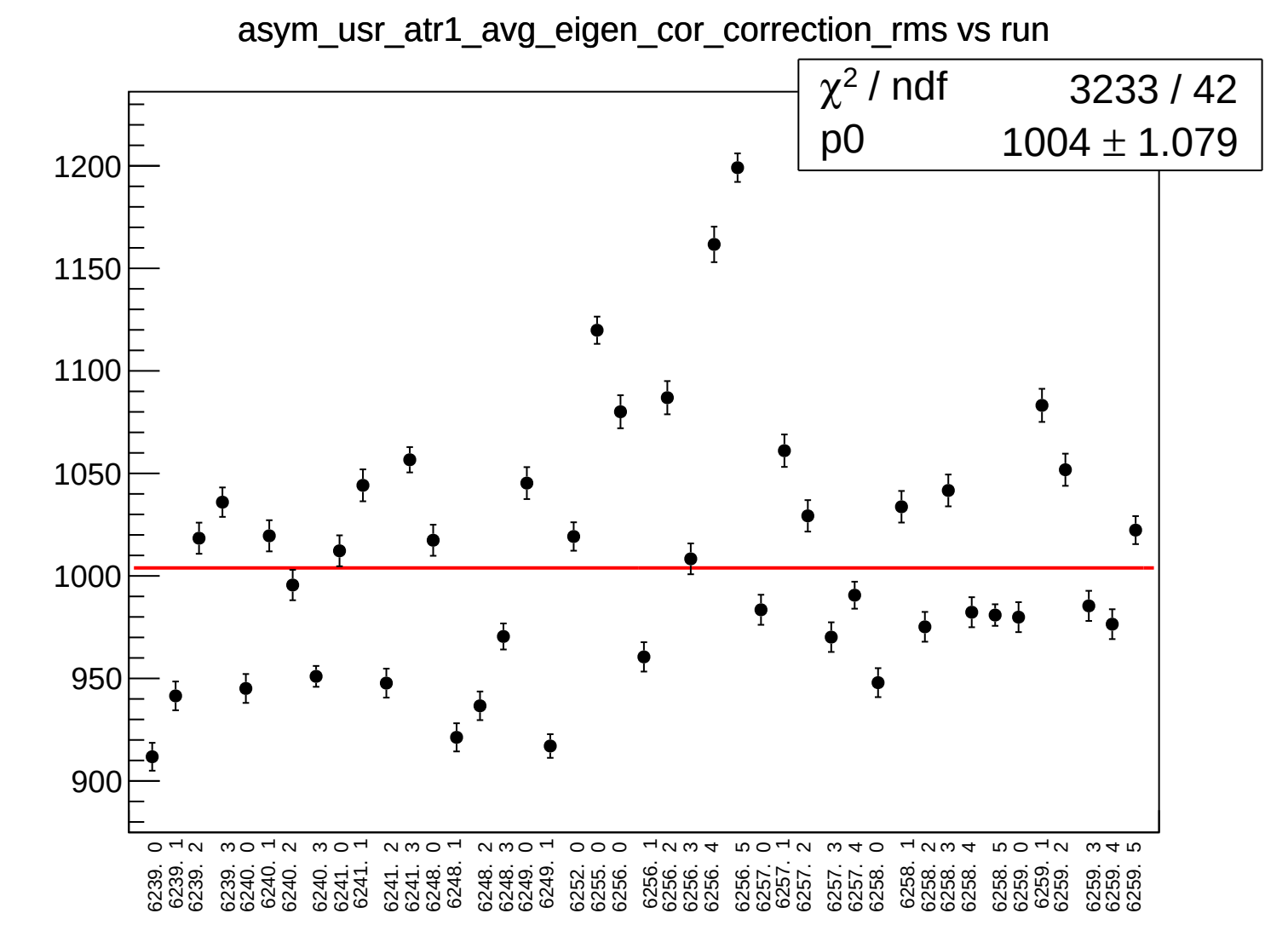

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3233 / 42
p0 1004 ± 1.079
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

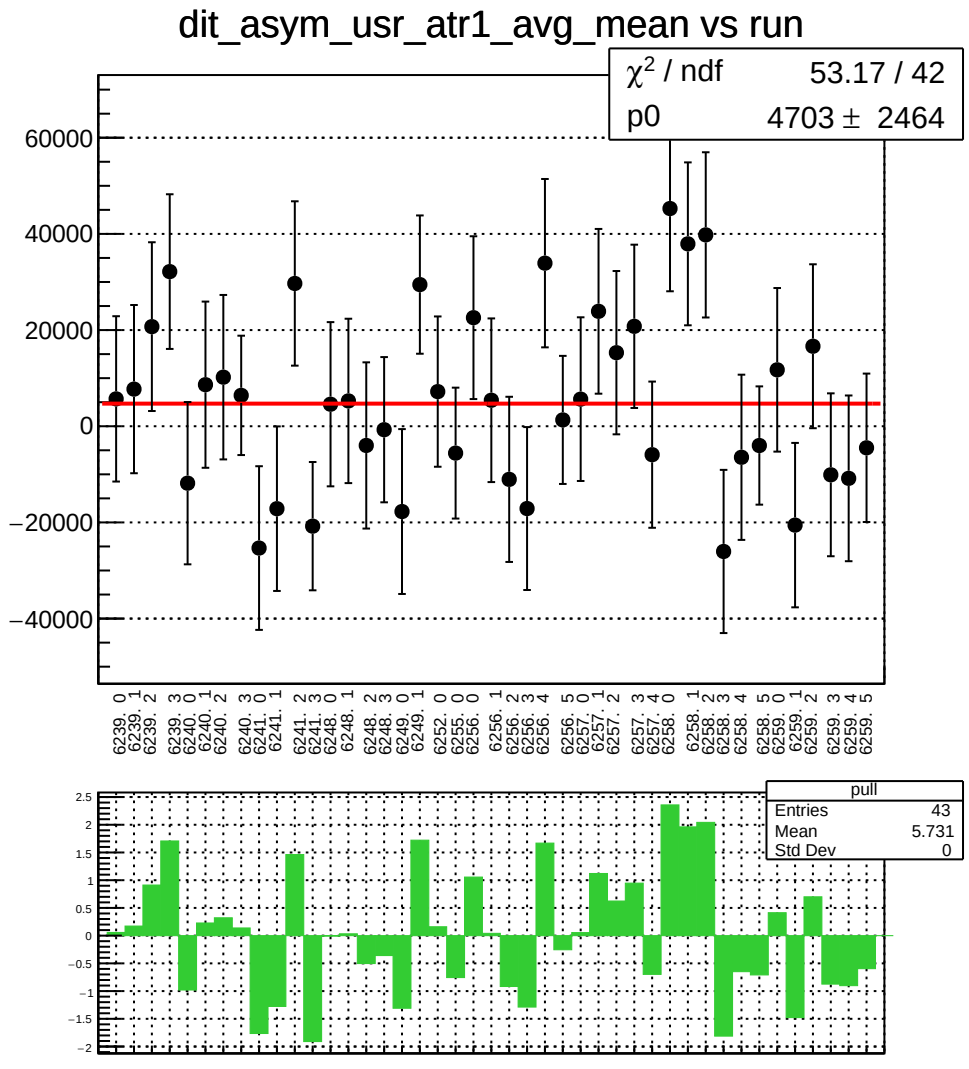

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 54.65 / 42
p0 4528 ± 2459
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.143
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

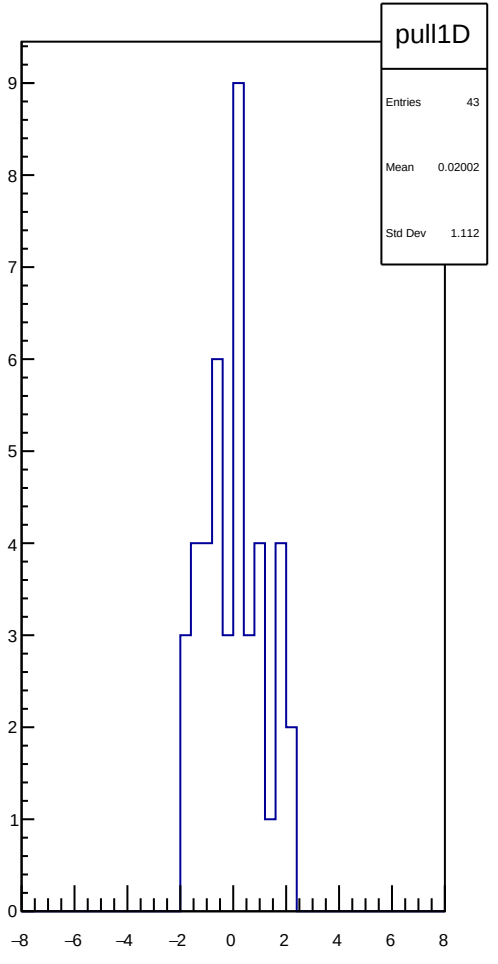

pull1D
Entries 43
Mean 0.02006
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

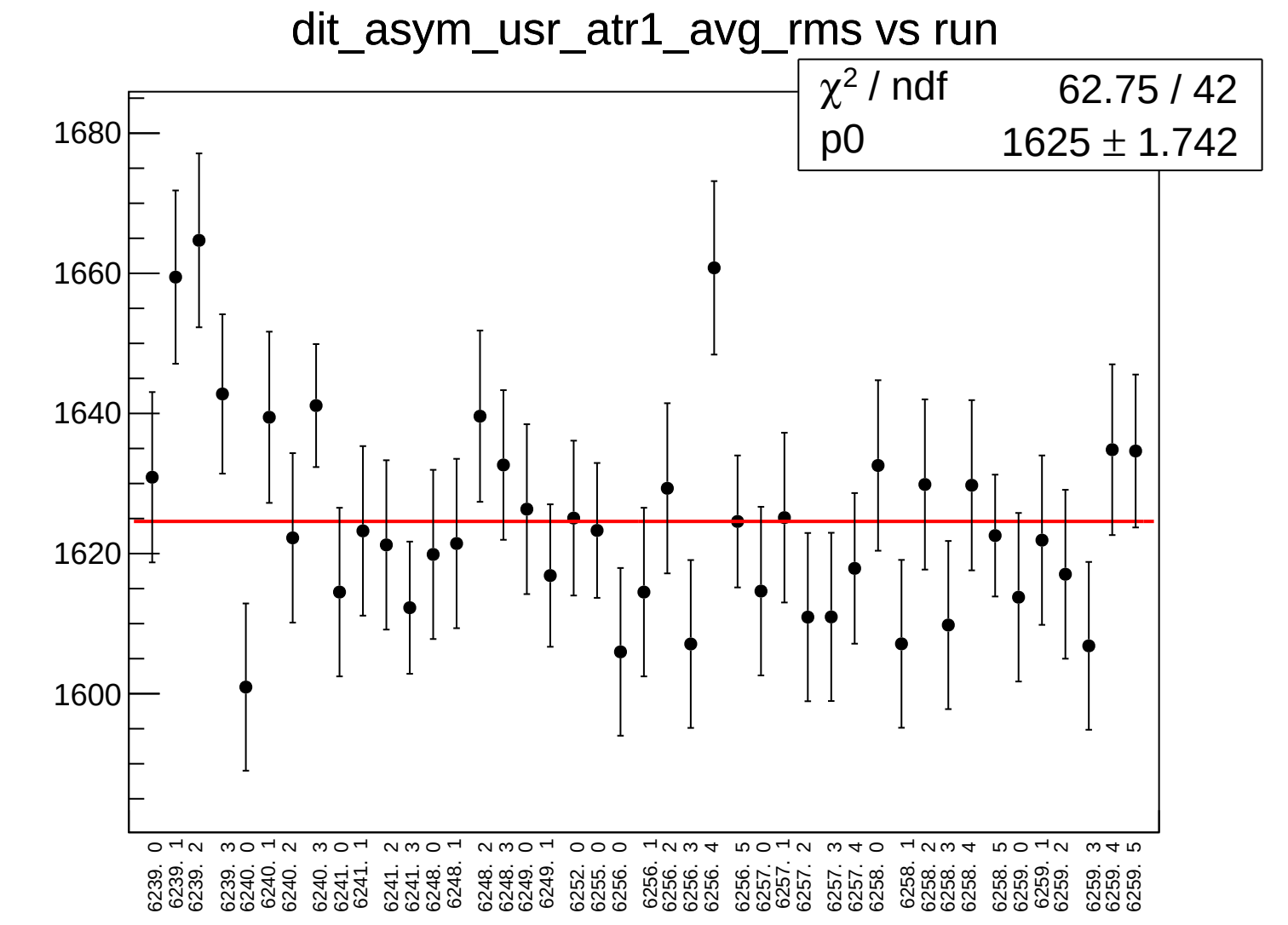

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.08 / 42
p0 1622 ± 1.739
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

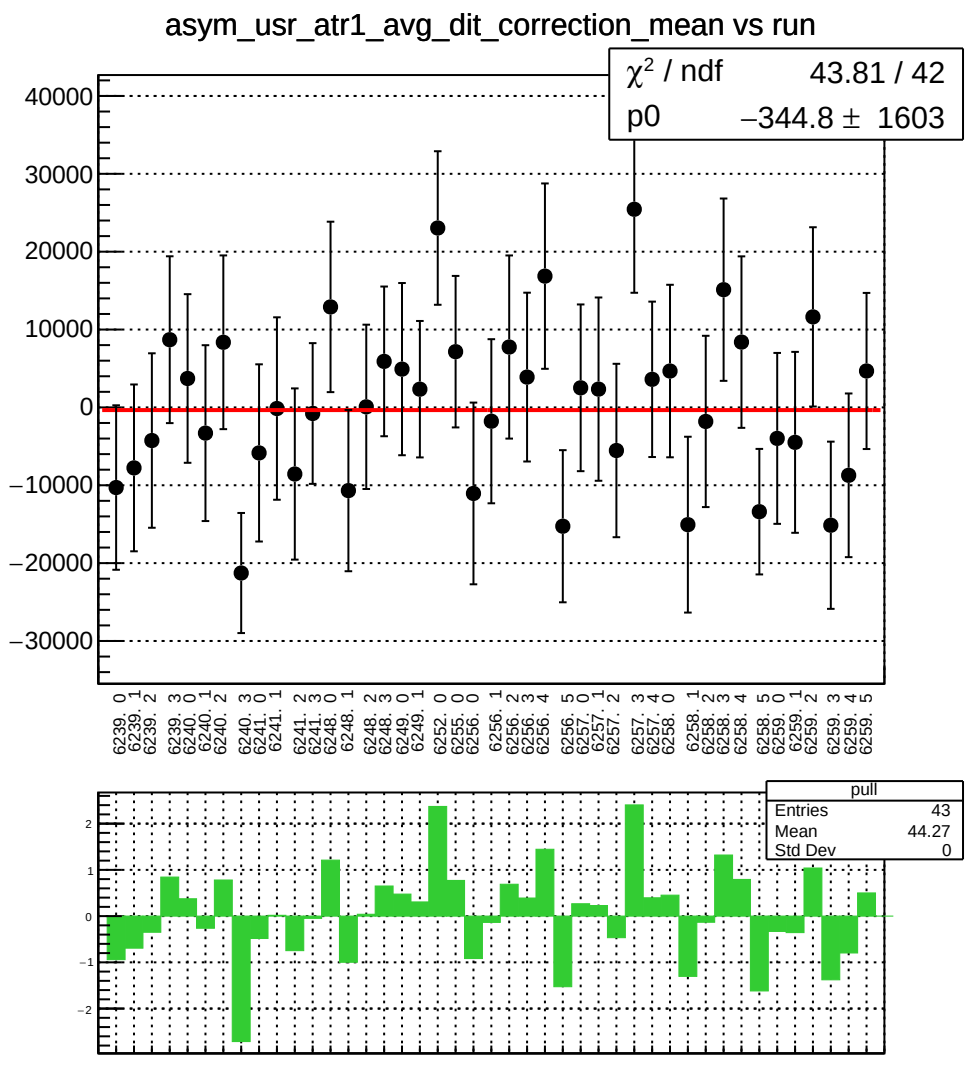

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 44.91 / 42
p0 −631.3 ± 1525
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.58
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04421
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

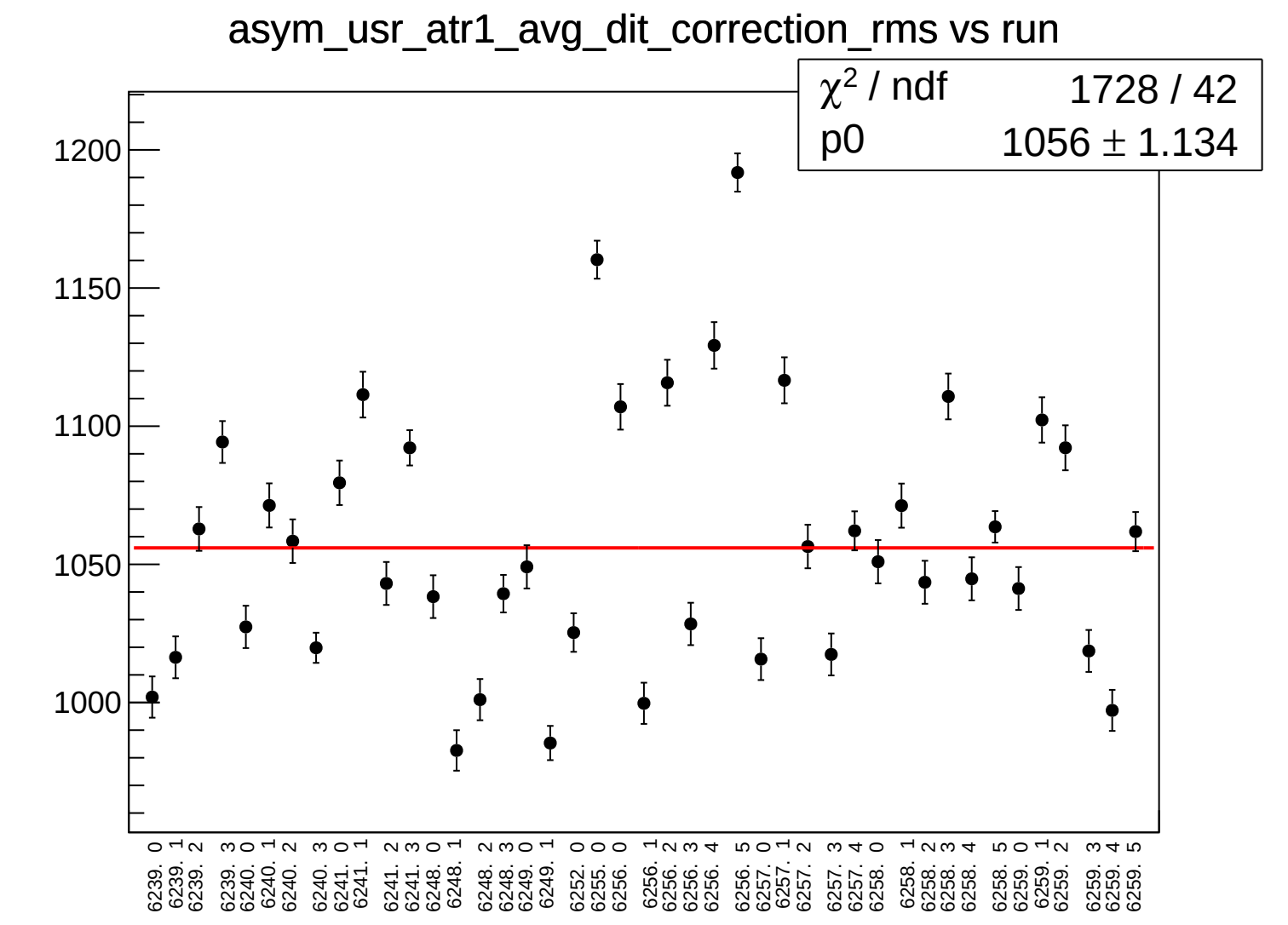

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3233 / 42
p0 1004 ± 1.079
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

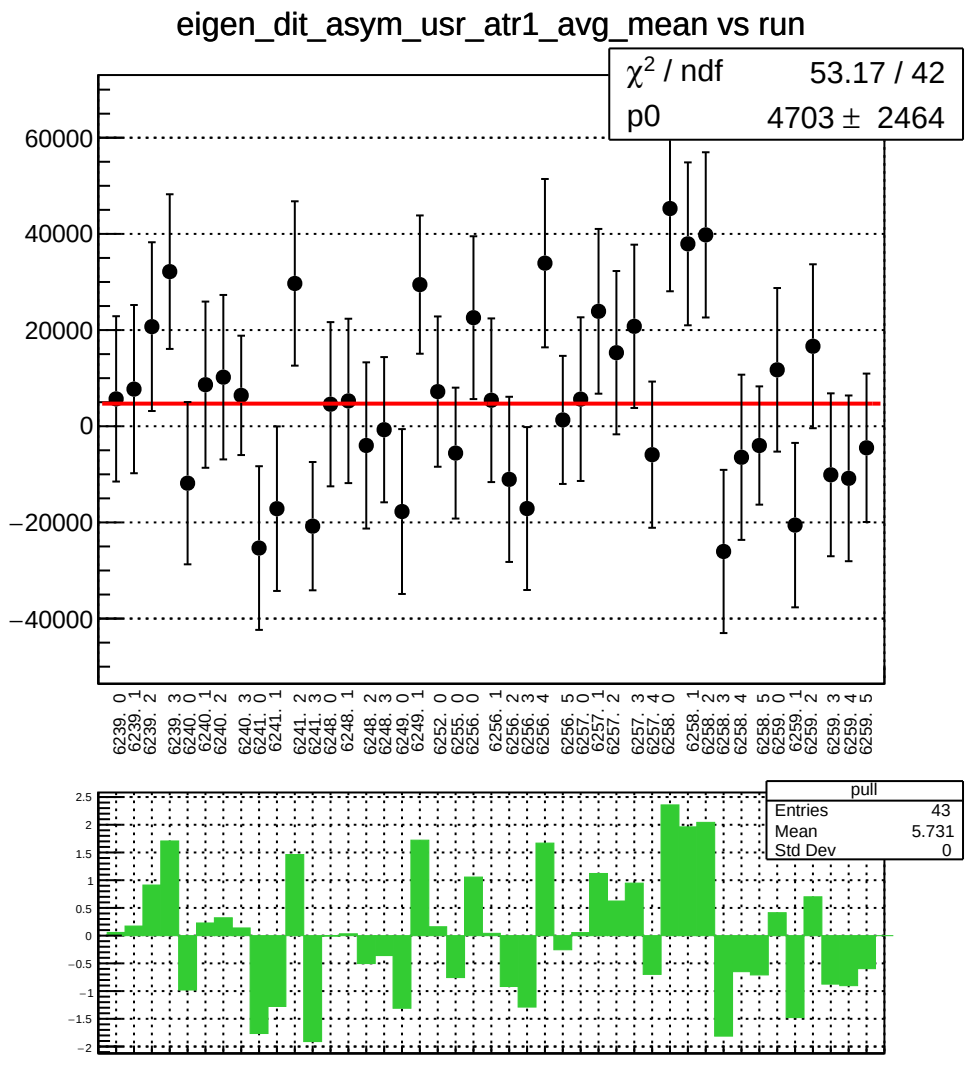

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 53.17 / 42
p0 4703 ± 2464
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.731
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

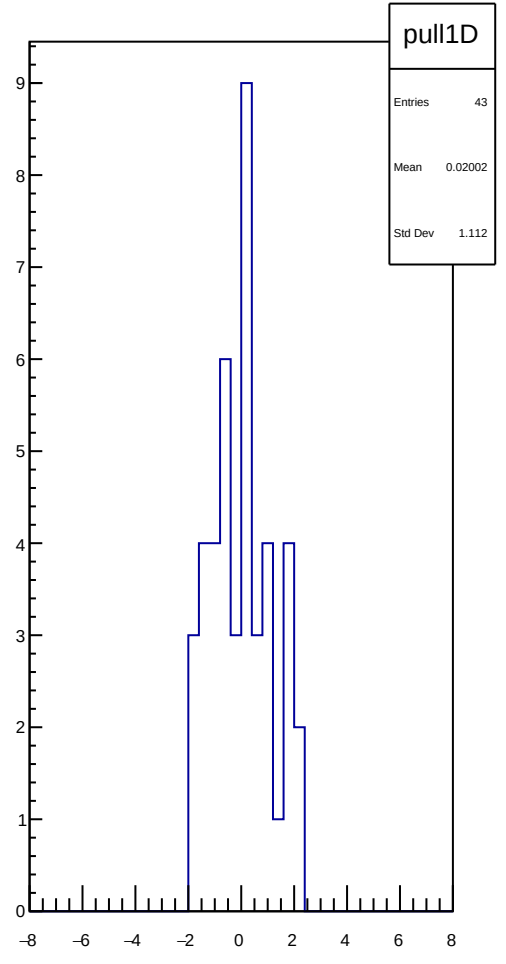

pull1D
Entries 43
Mean 0.02002
Std Dev 1.112
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

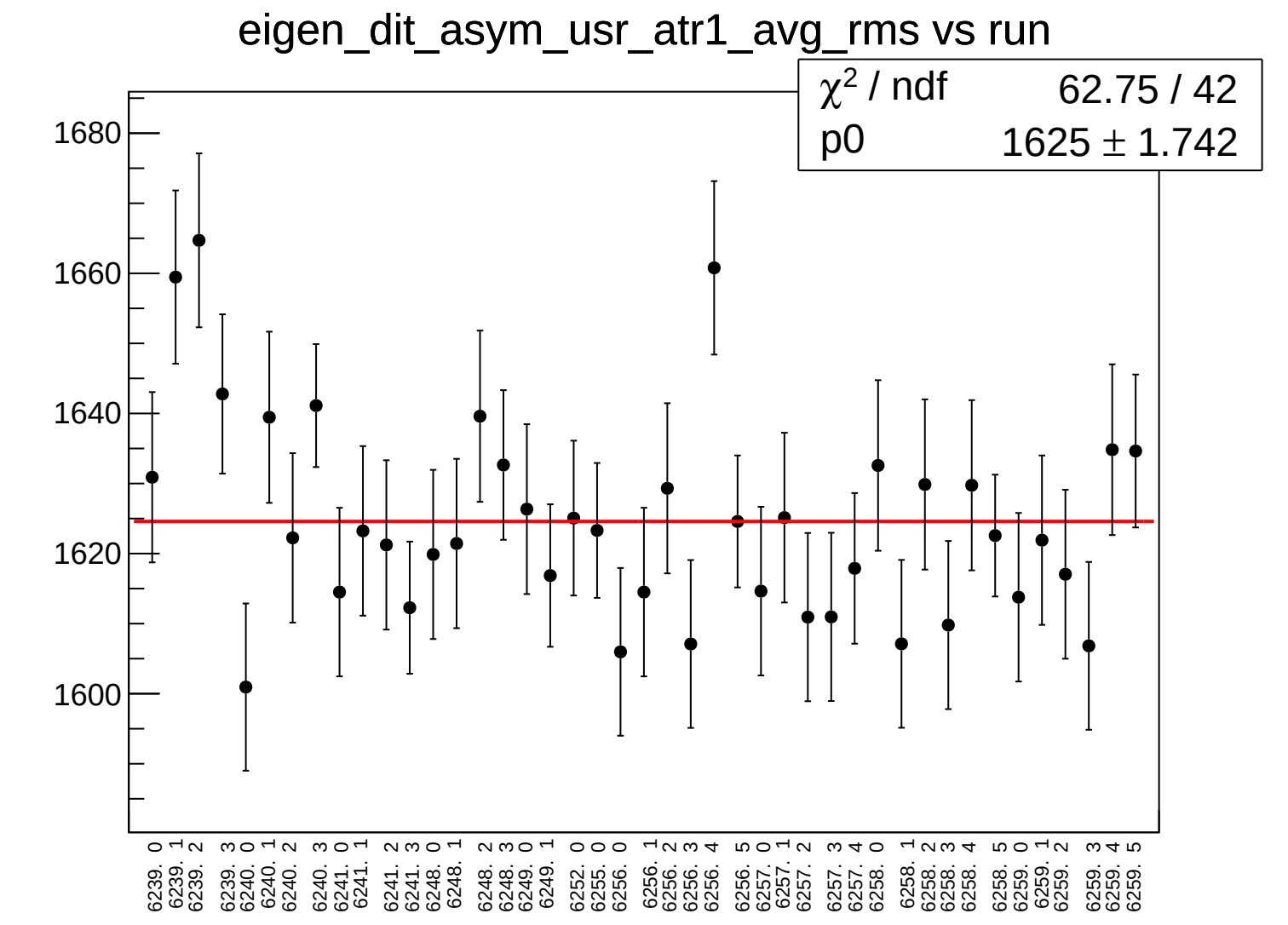

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.75 / 42
p0 1625 ± 1.742
1680
1660
1640
1620
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

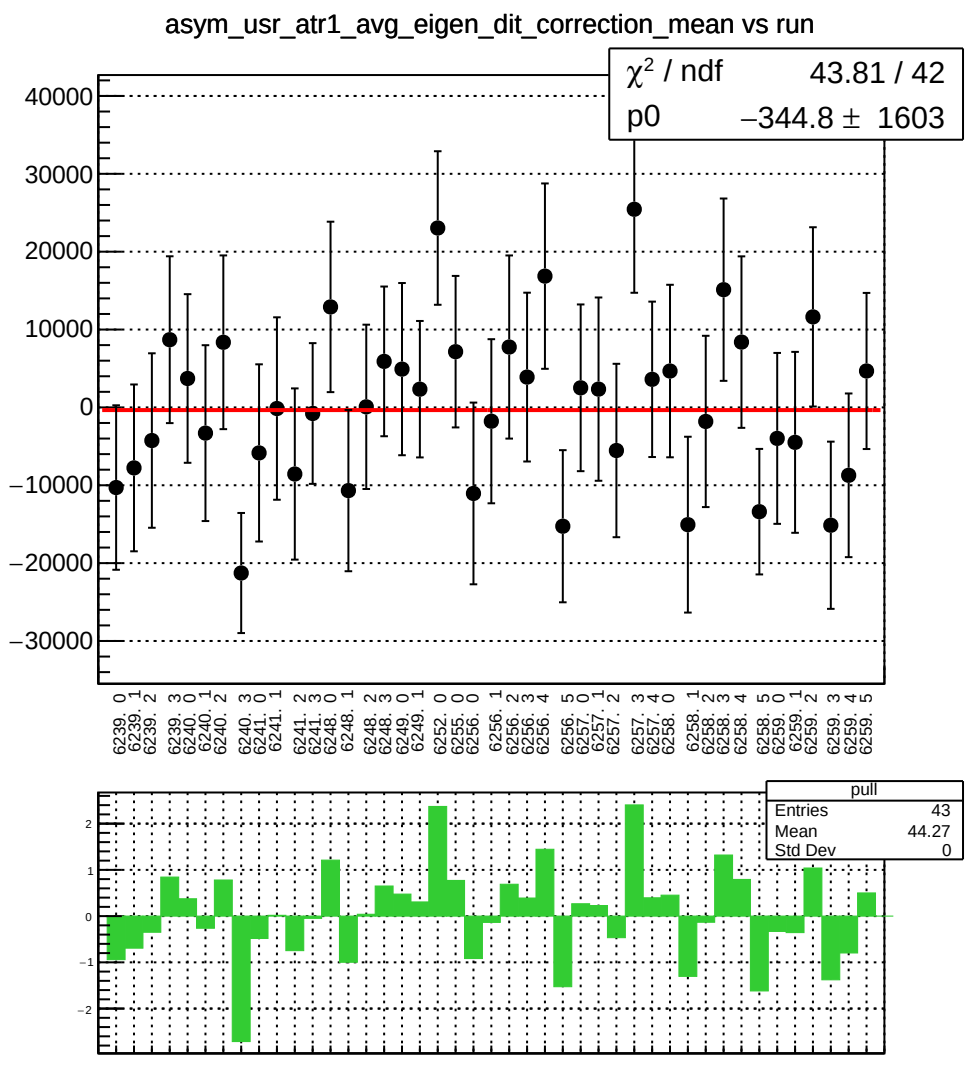

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 43.81 / 42
p0 −344.8 ± 1603
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.27
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03659
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

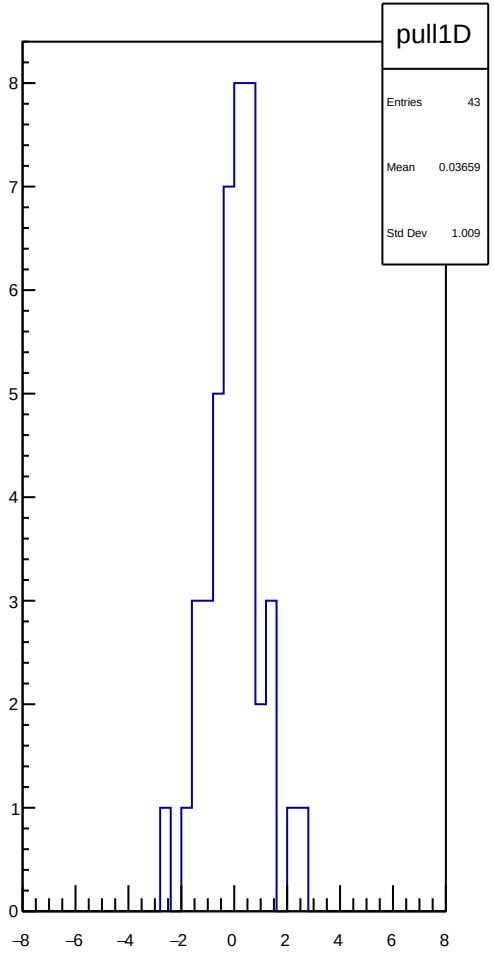

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 1728 / 42
p0 1056 ± 1.134
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

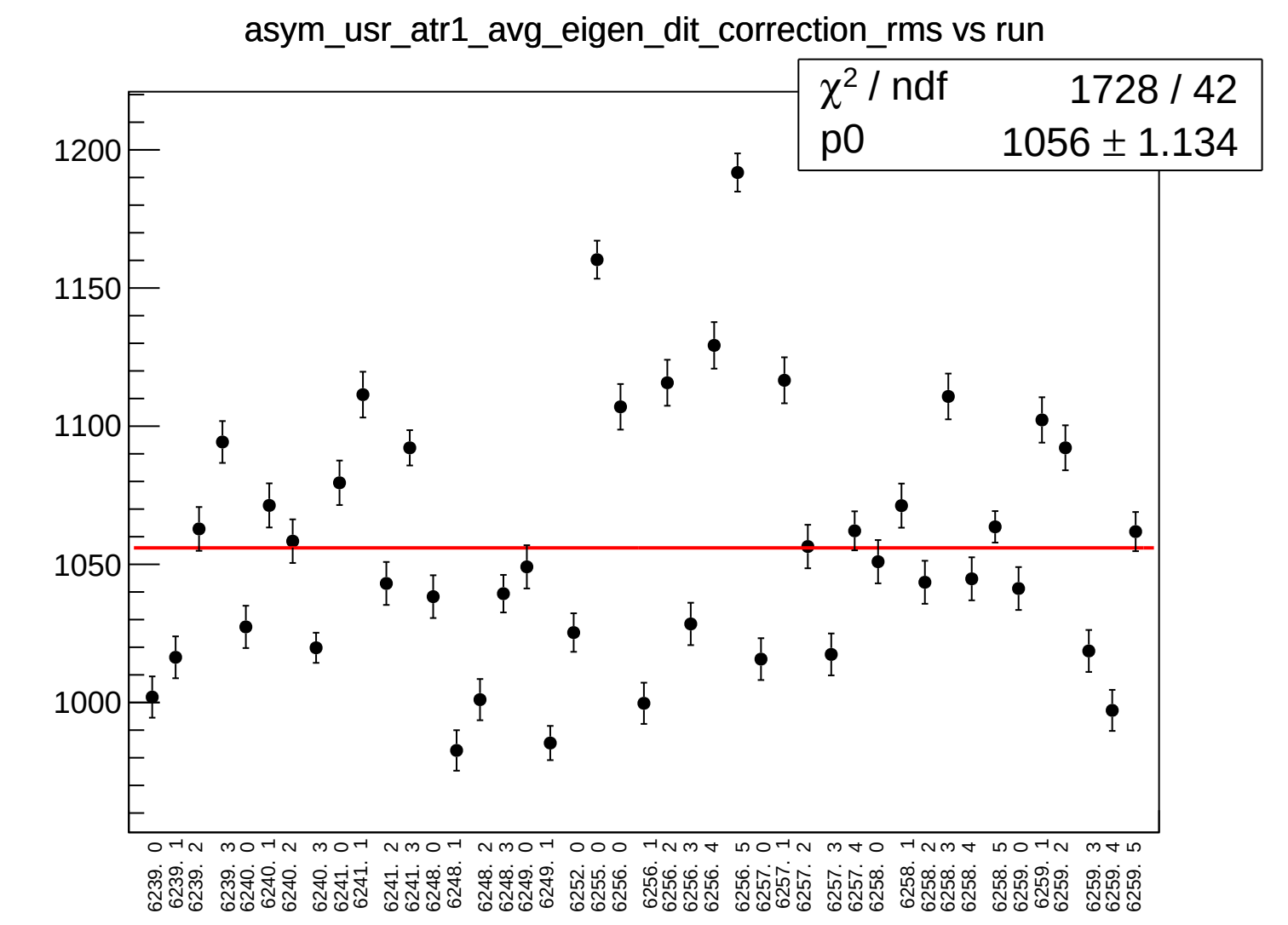

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 53.17 / 42
p0 4703 ± 2464
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.731
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

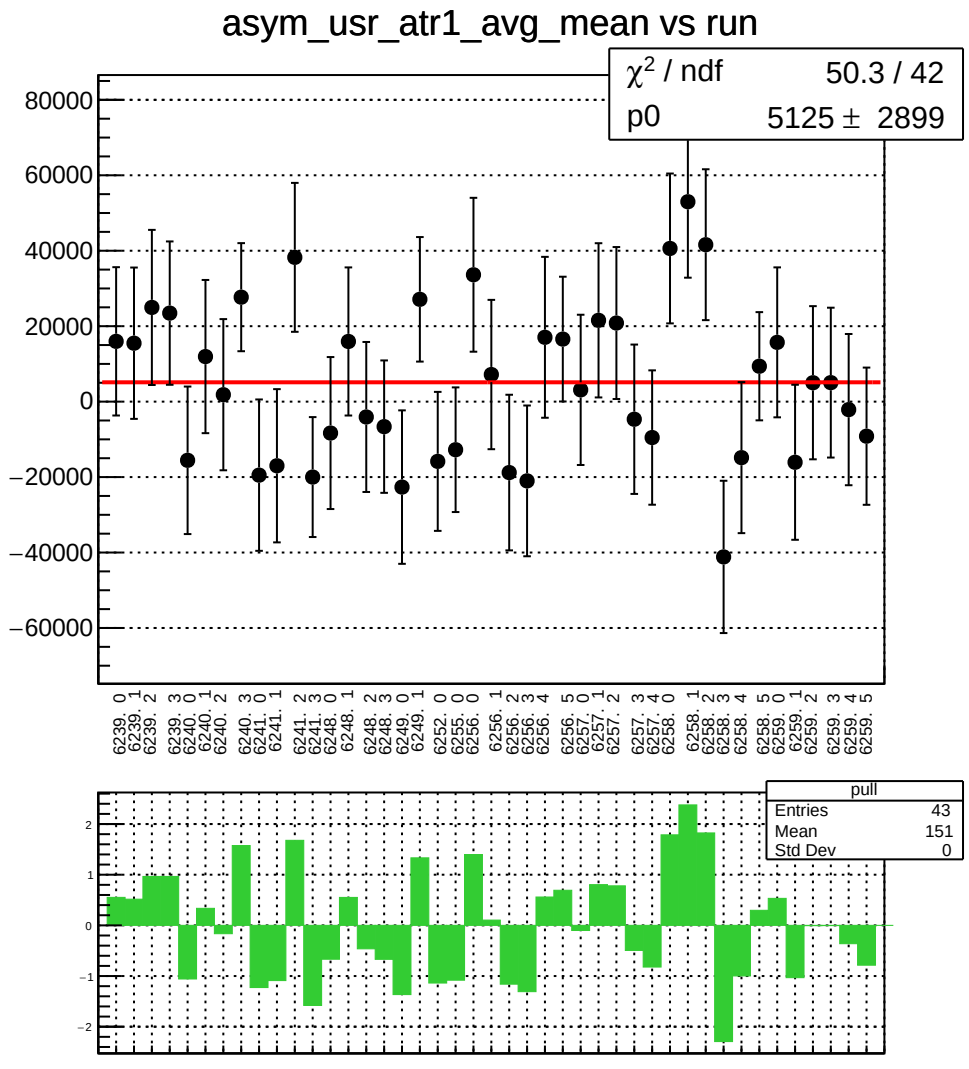

pull1D
Entries 43
Mean 0.02002
Std Dev 1.112
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

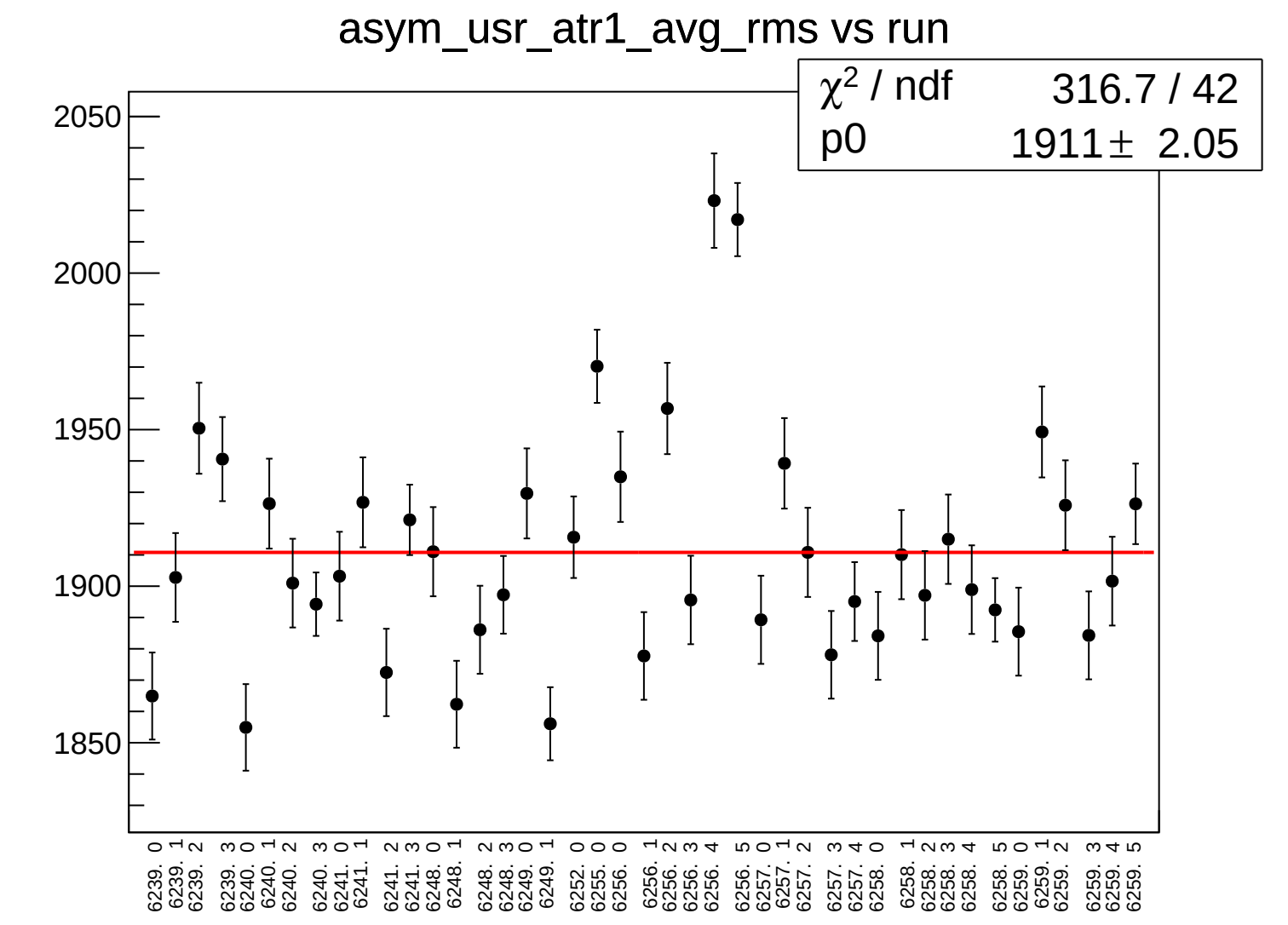

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 62.75 / 42
p0 1625 ± 1.742
1680
1660
1640
1620
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

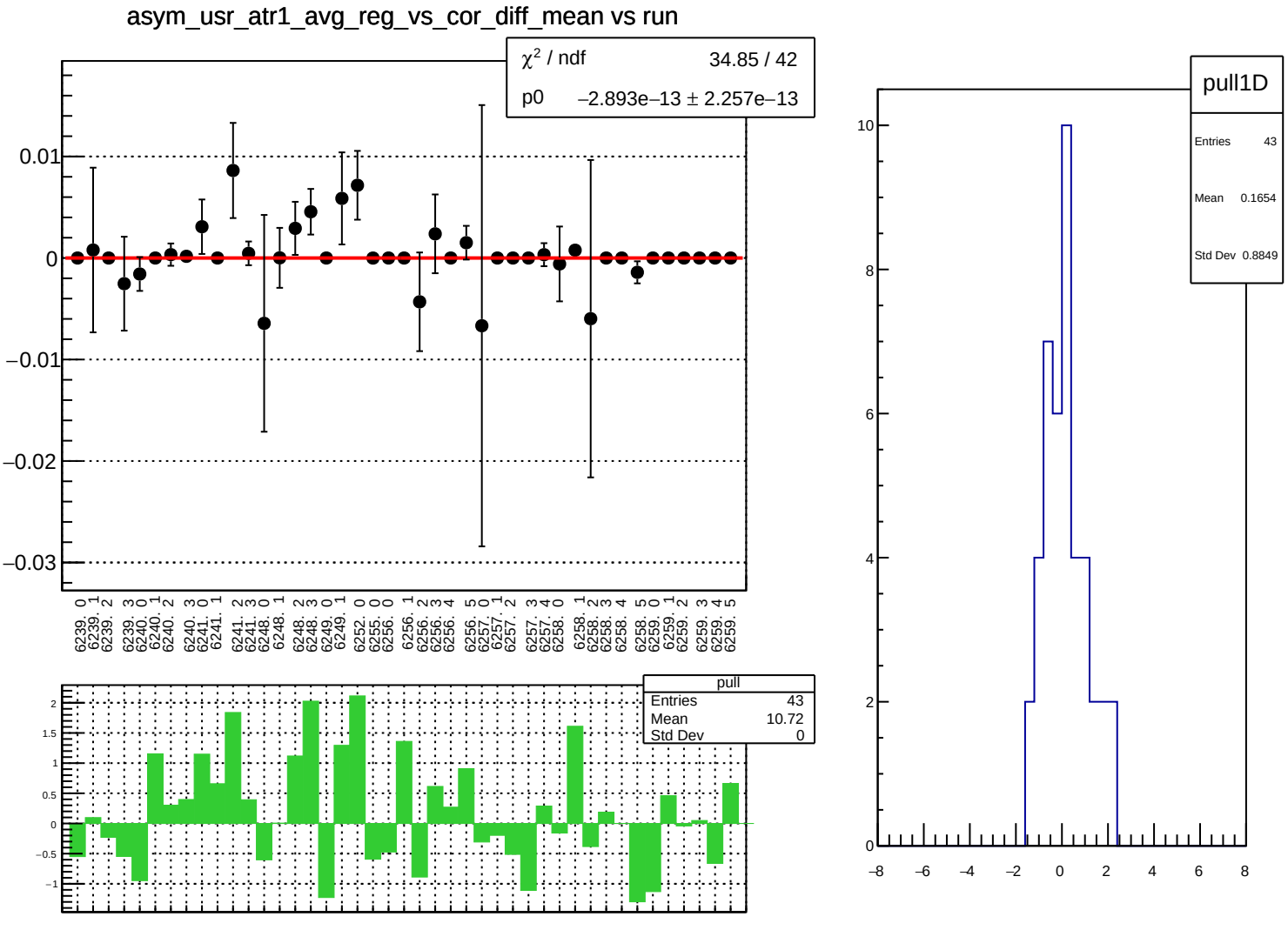

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.81 / 42
p0 −344.8 ± 1603
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.27
Std Dev 0
2
1
0
−1
−2

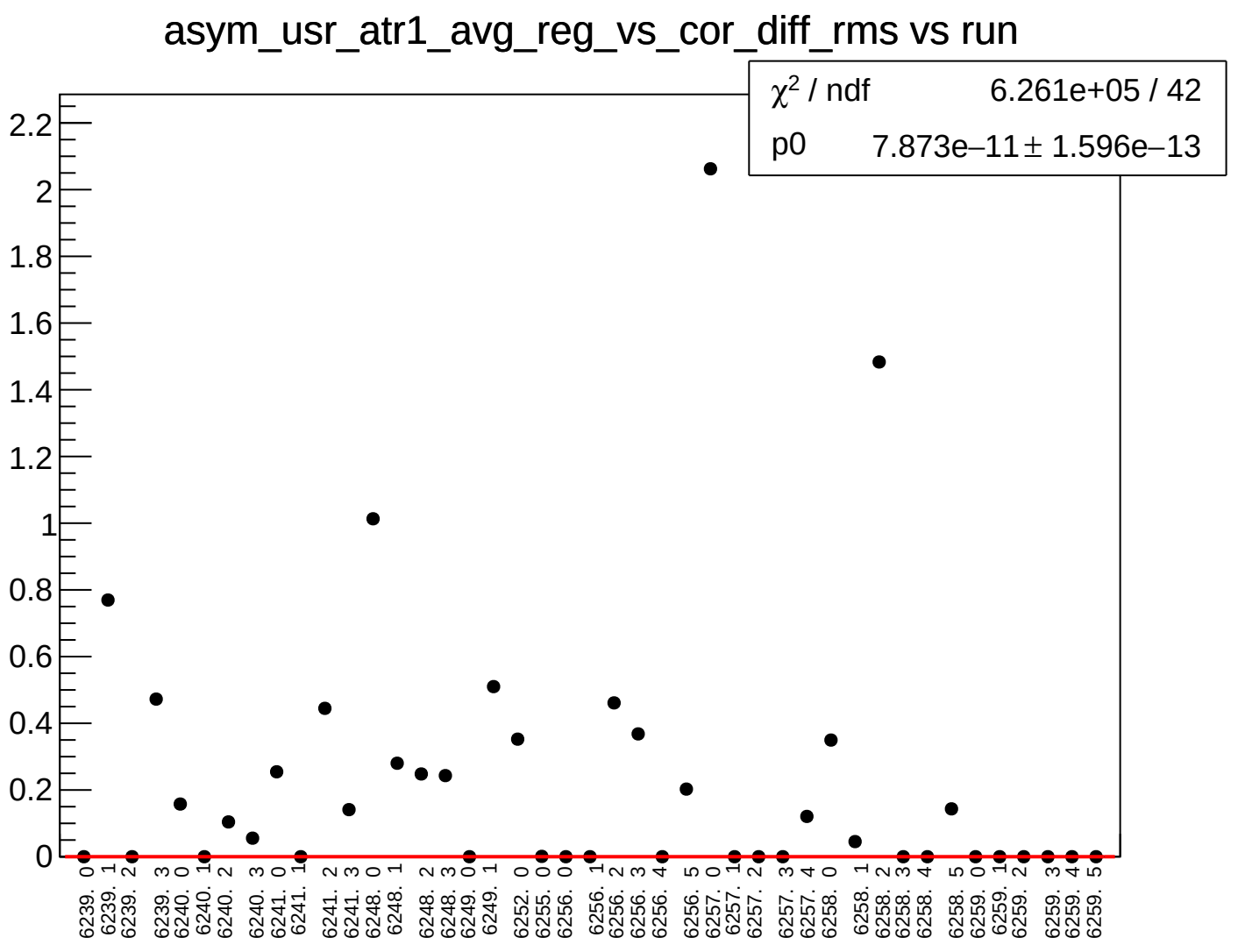

pull1D
Entries 43
Mean 0.03659
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

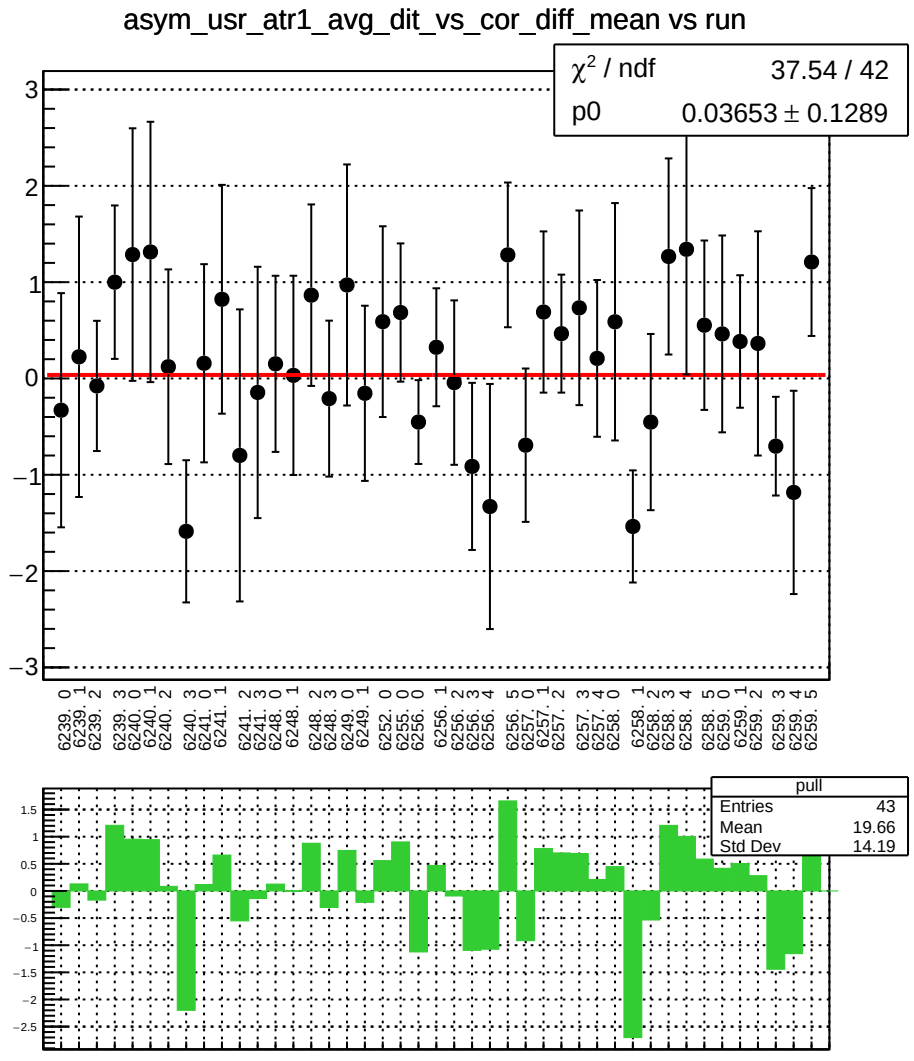

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1728 / 42
p0 1056 ± 1.134
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

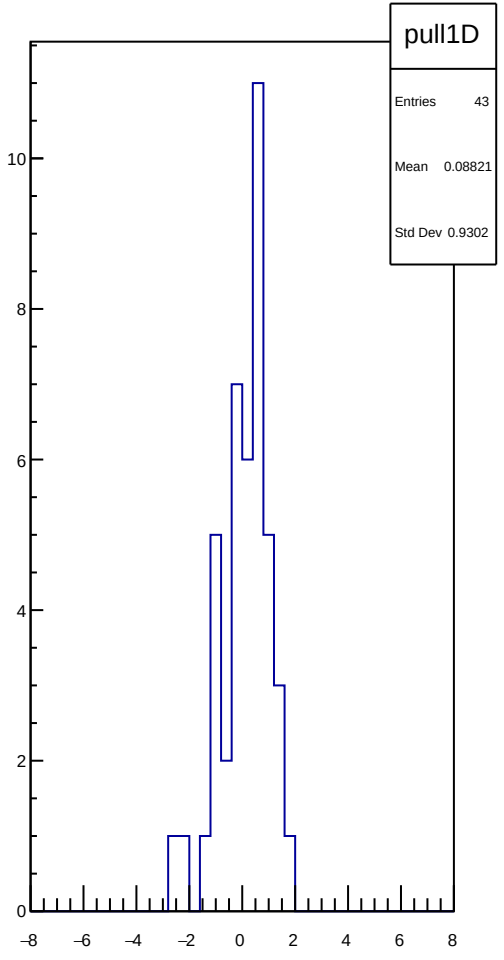

asym_usr_atr1_avg_mean vs run
χ² / ndf 50.3 / 42
p0 5125 ± 2899
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 151
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.005563
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

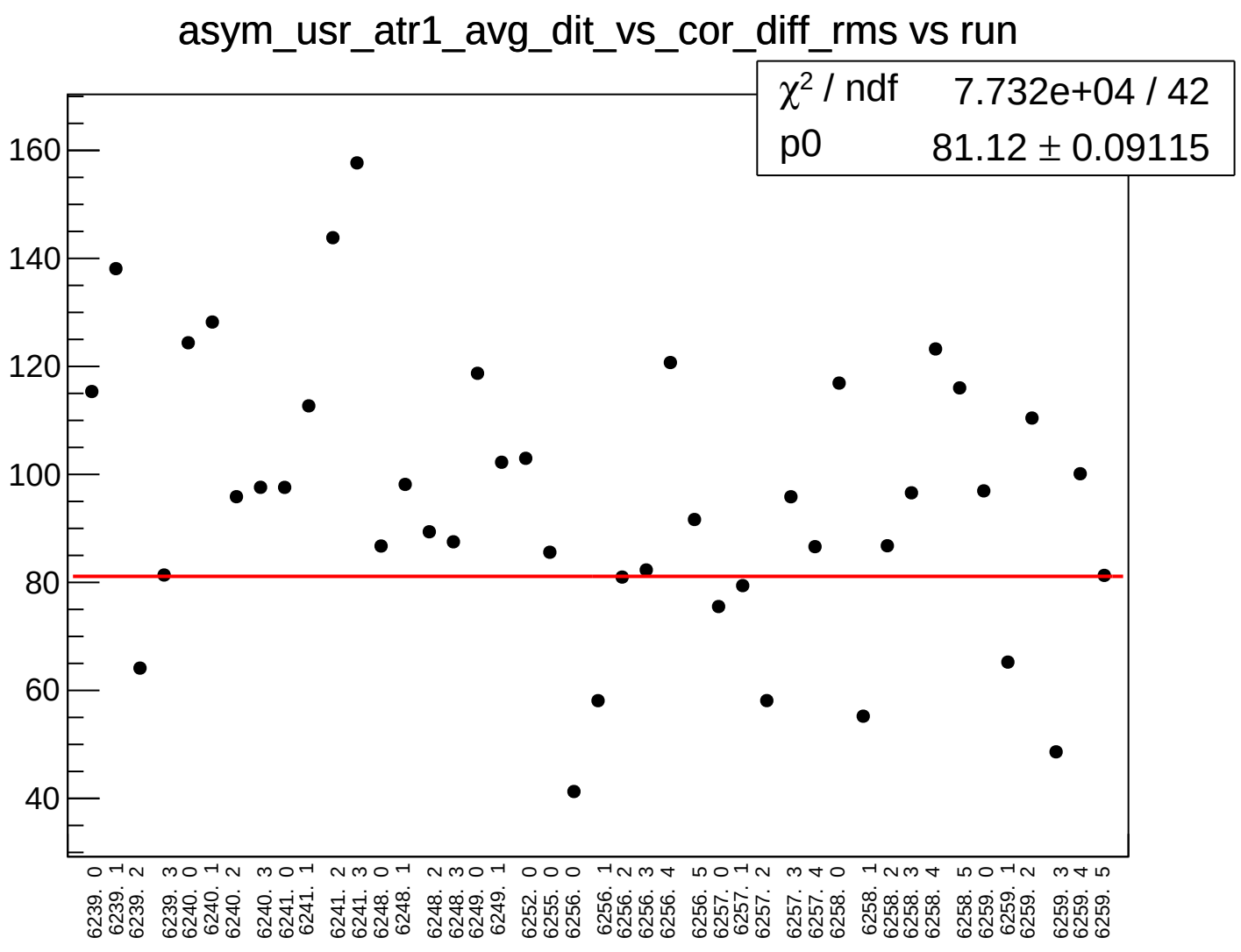

asym_usr_atr1_avg_rms vs run
χ² / ndf 316.7 / 42
p0 1911 ± 2.05
2050
2000
1950
1900
1850
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

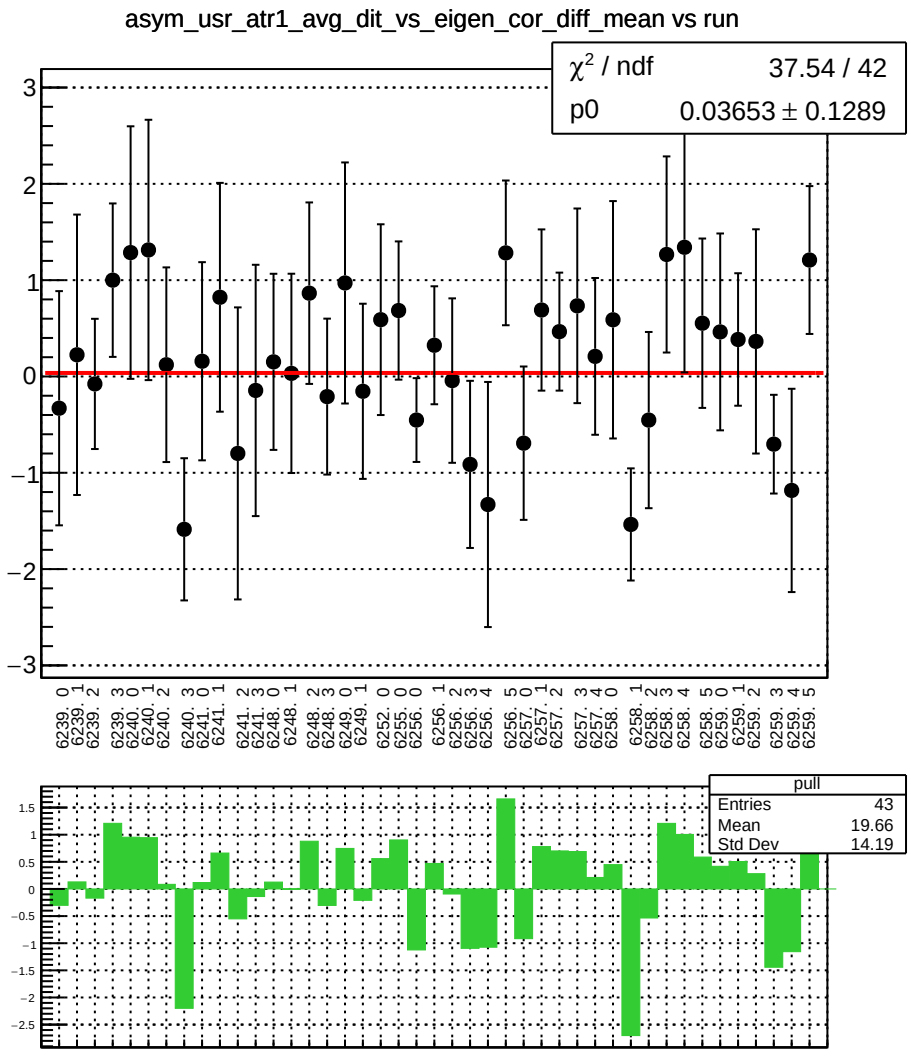

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.85 / 42
p0 −2.893e−13 ± 2.257e−13
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.1654
Std Dev 0.8849
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

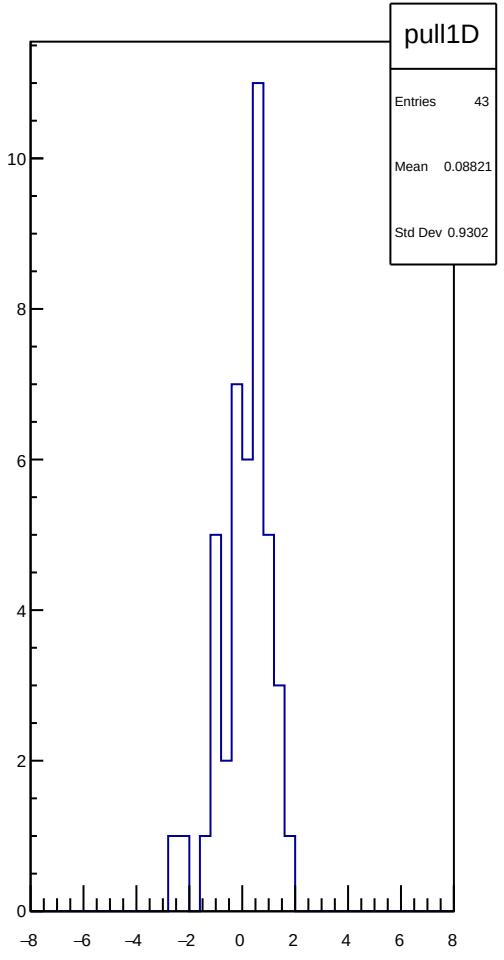

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.261e+05 / 42
p0 7.873e−11 ± 1.596e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

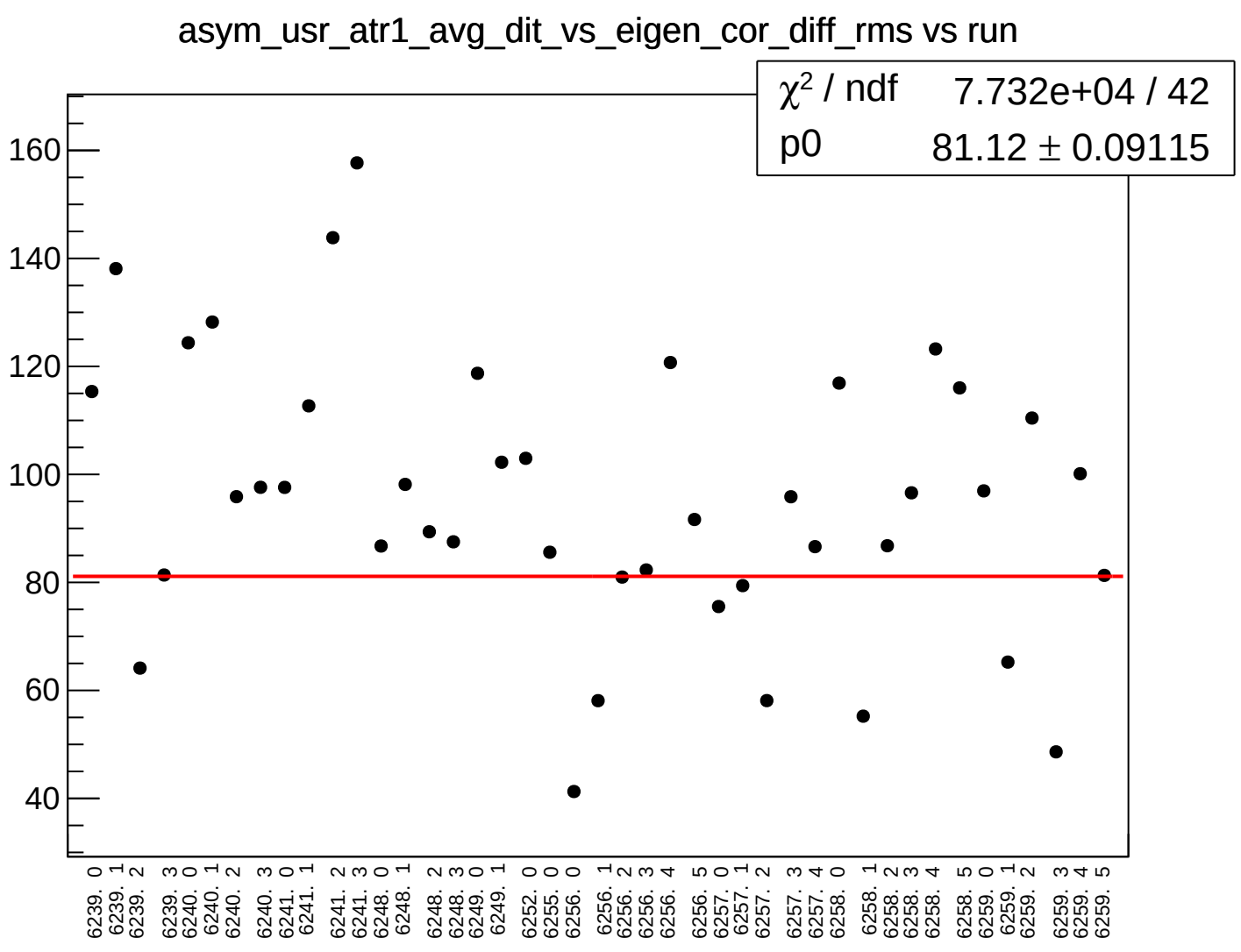

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.54 / 42
p0 0.03653 ± 0.1289
pull
Entries 43
Mean 19.66
Std Dev 14.19

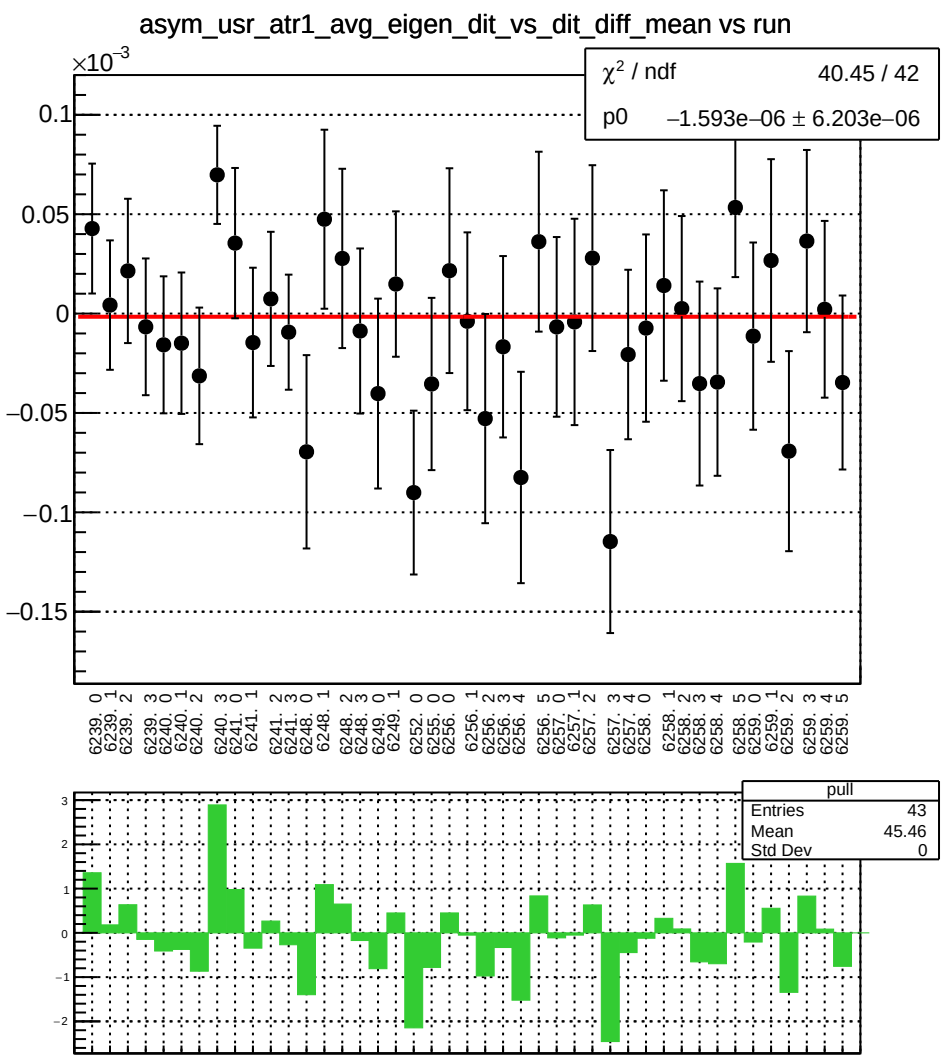

pull1D
Entries 43
Mean 0.08821
Std Dev 0.9302

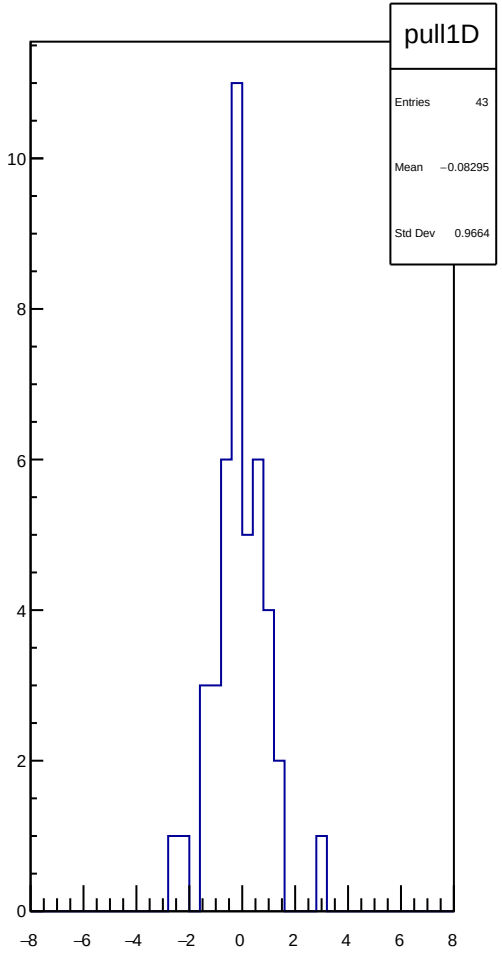

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.732e+04 / 42
p0 81.12 ± 0.09115
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

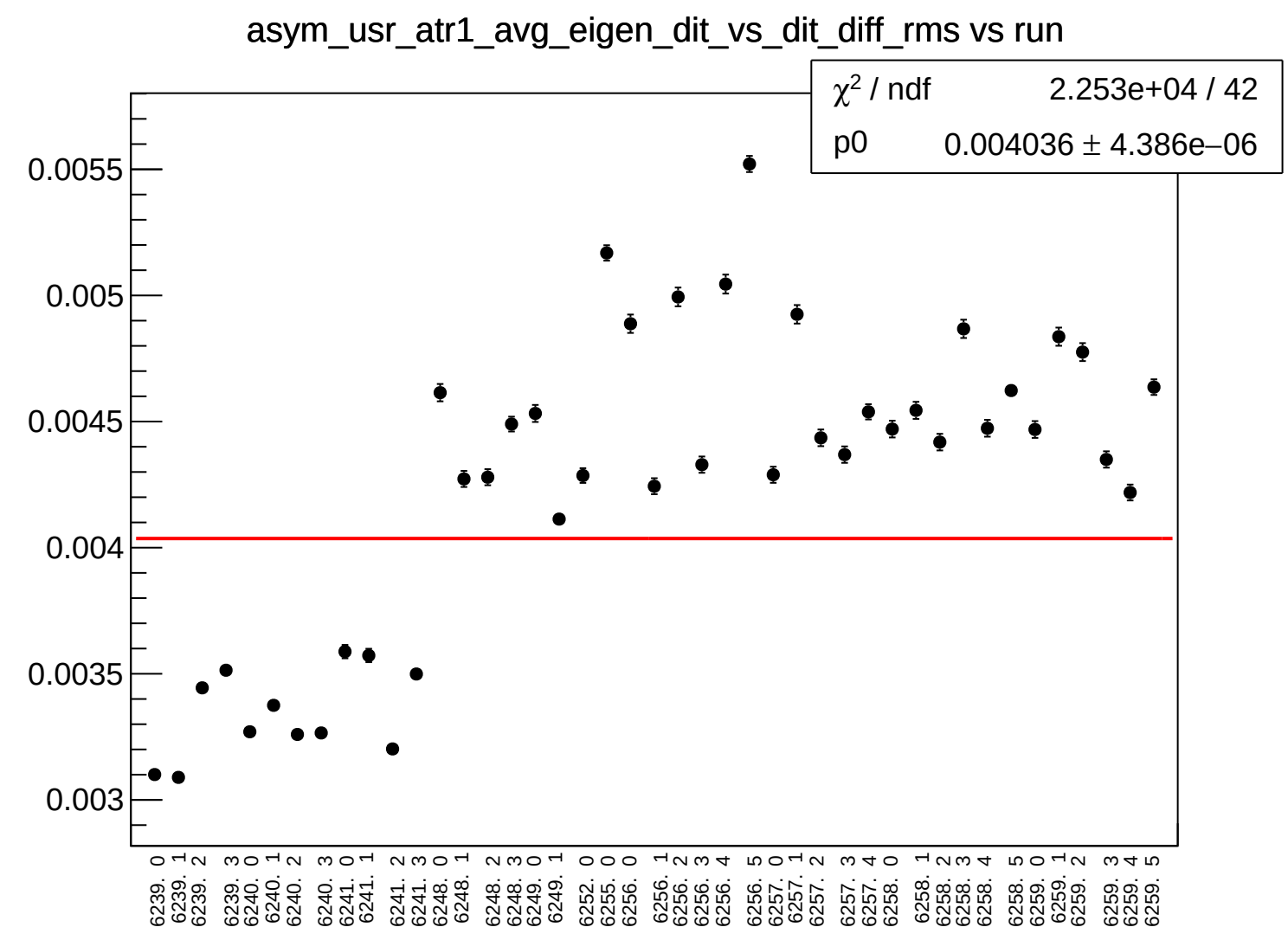

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.54 / 42
p0 0.03653 ± 0.1289
pull
Entries 43
Mean 19.66
Std Dev 14.19


pull1D
Entries 43
Mean 0.08821
Std Dev 0.9302

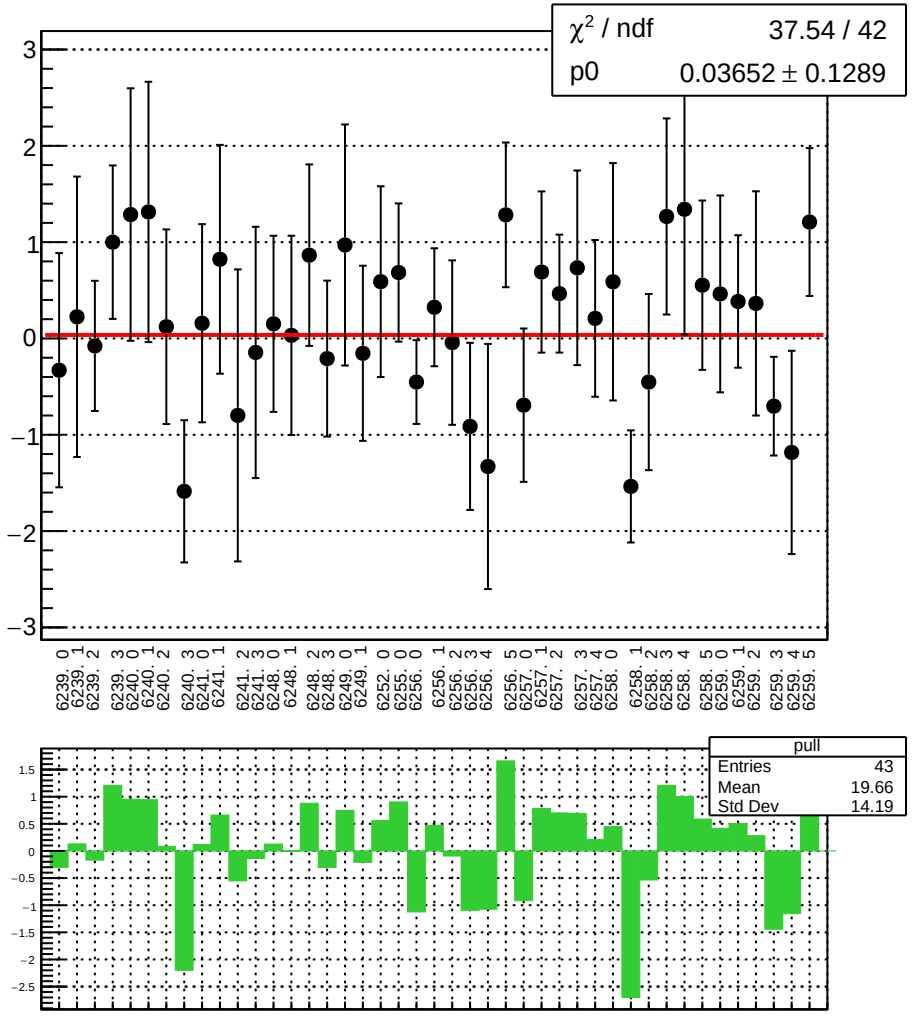

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.732e+04 / 42
p0 81.12 ± 0.09115
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

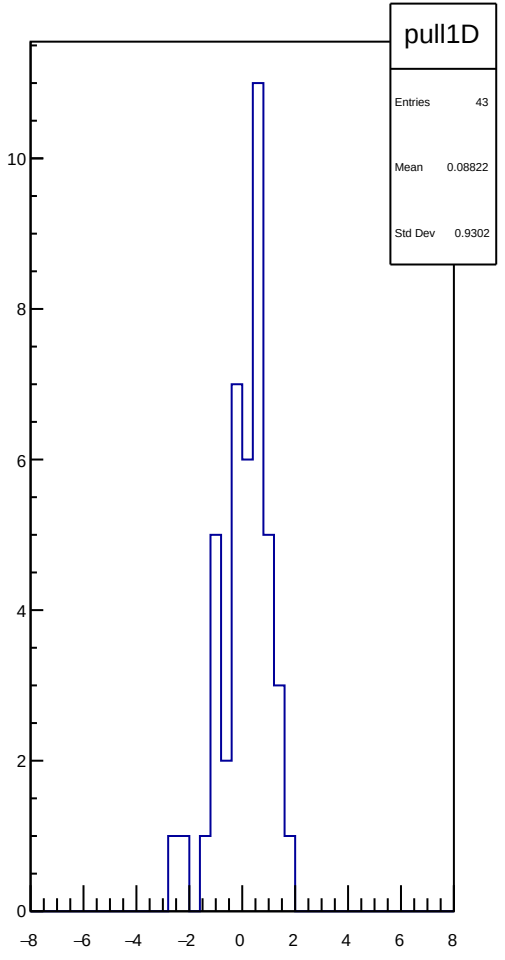

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.45 / 42
p0 −1.593e−06 ± 6.203e−06
0.1
0.05
0
−0.05
−0.1
−0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 45.46
Std Dev 0
3
2
1
0
−1
−2

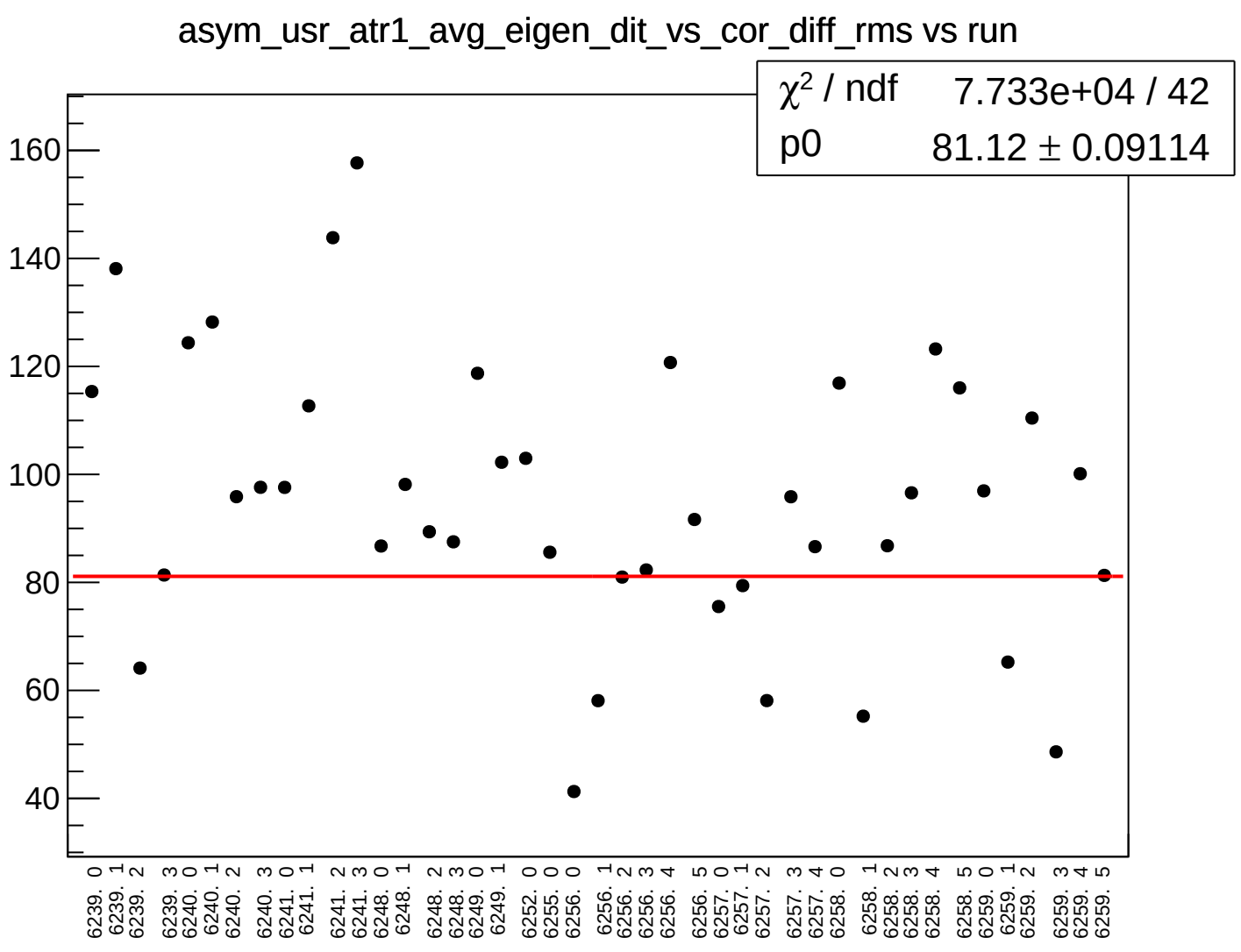

pull1D
Entries 43
Mean −0.08295
Std Dev 0.9664
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

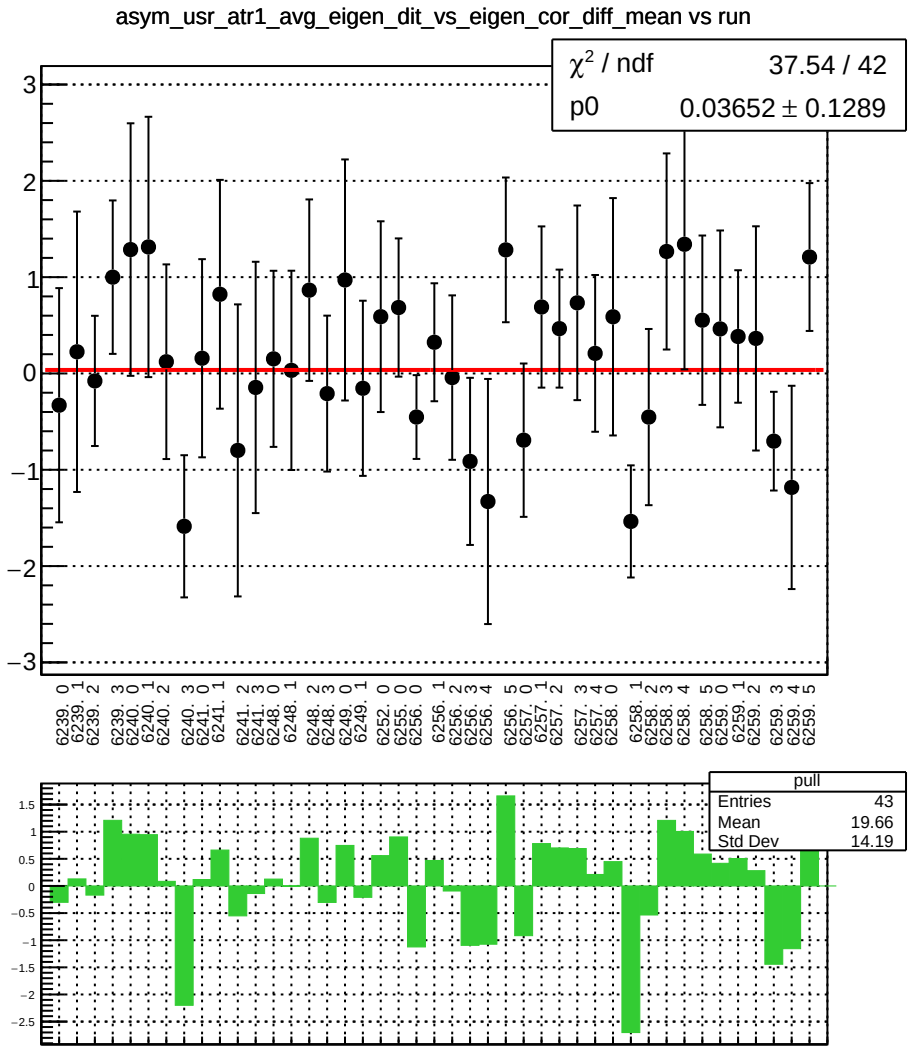

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.253e+04 / 42
p0 0.004036 ± 4.386e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

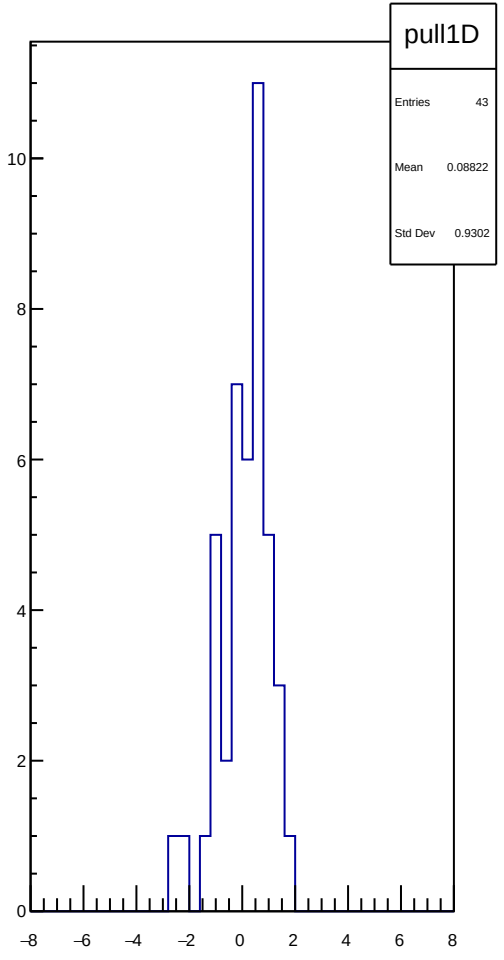
asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run

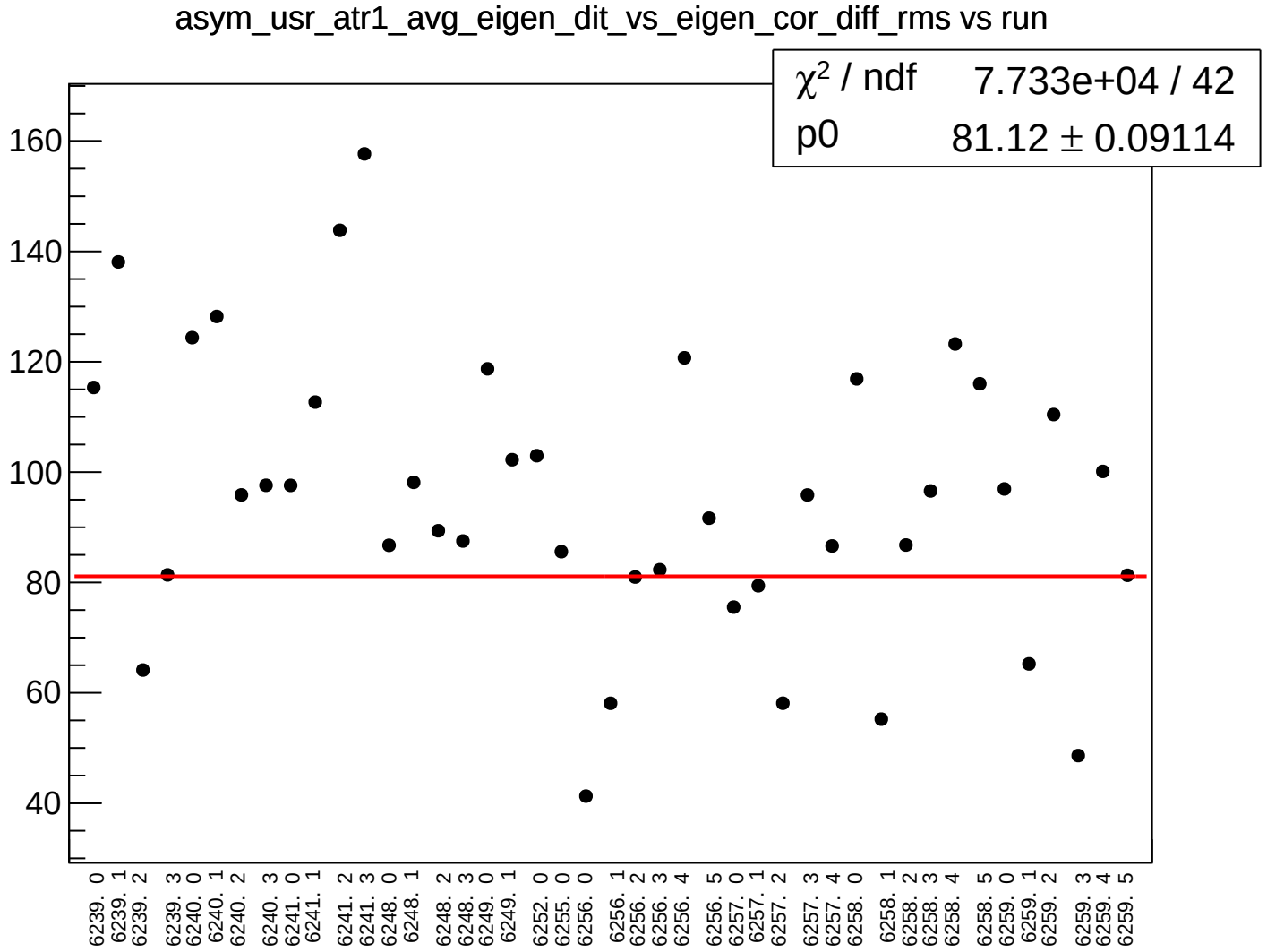


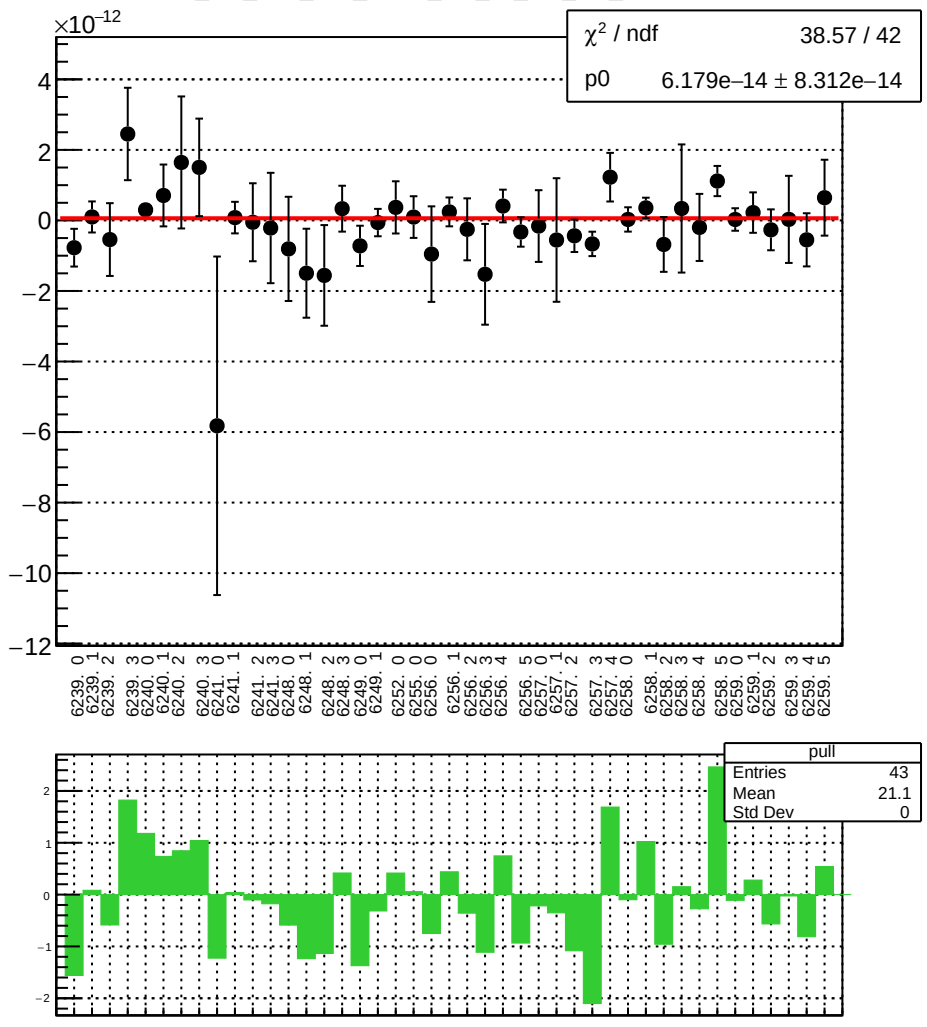



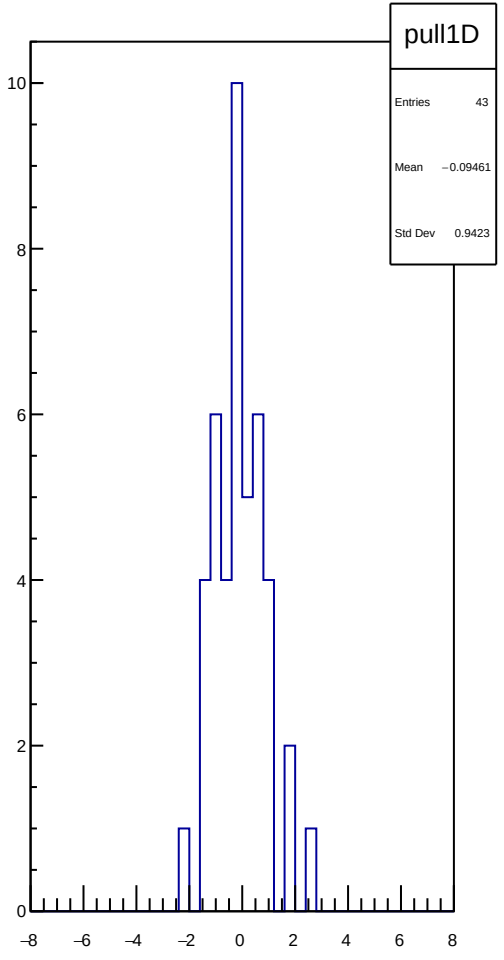

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.733e+04 / 42
p0 81.12 ± 0.09114
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

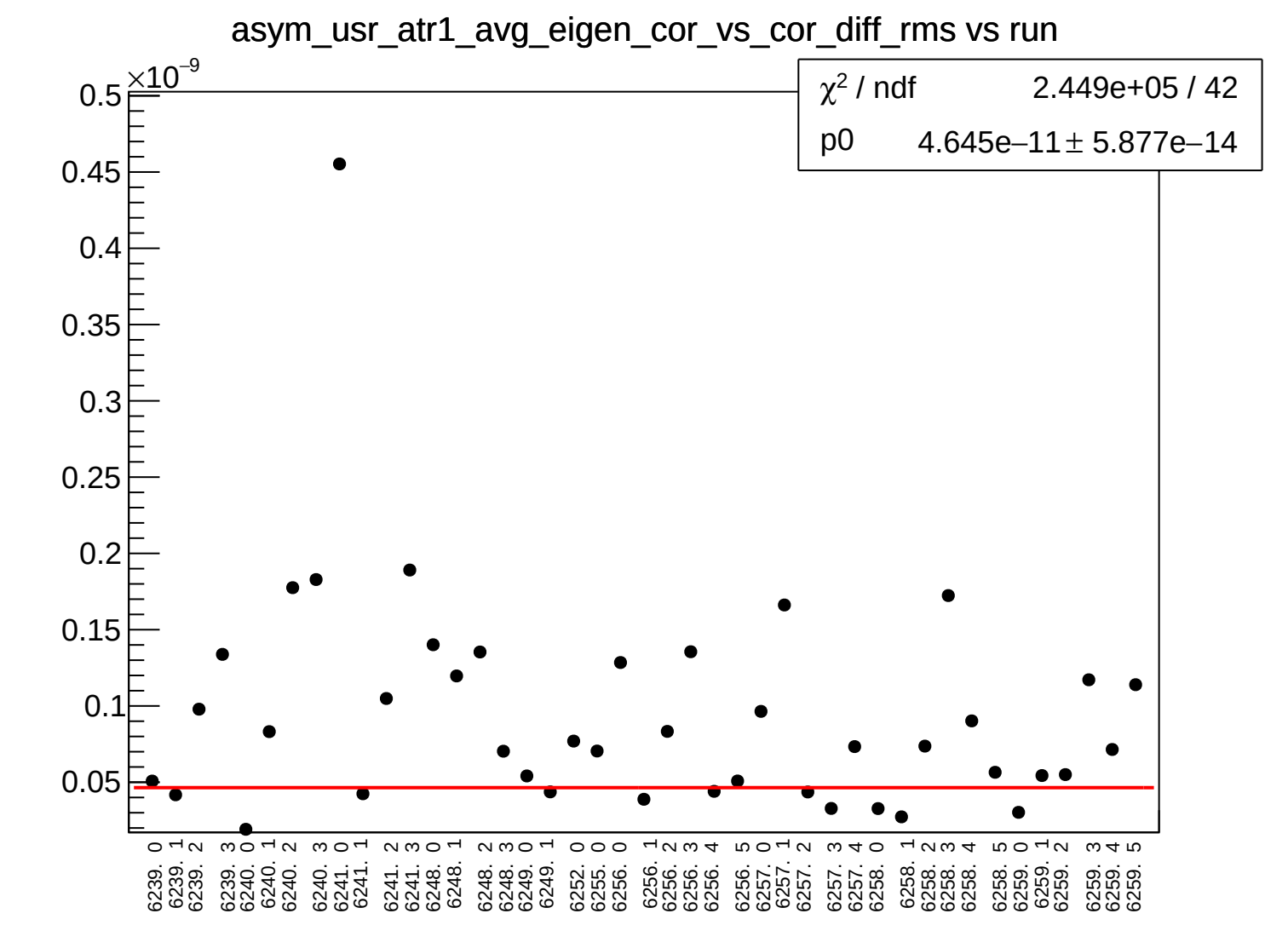

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.54 / 42
p0 0.03652 ± 0.1289
pull
Entries 43
Mean 19.66
Std Dev 14.19

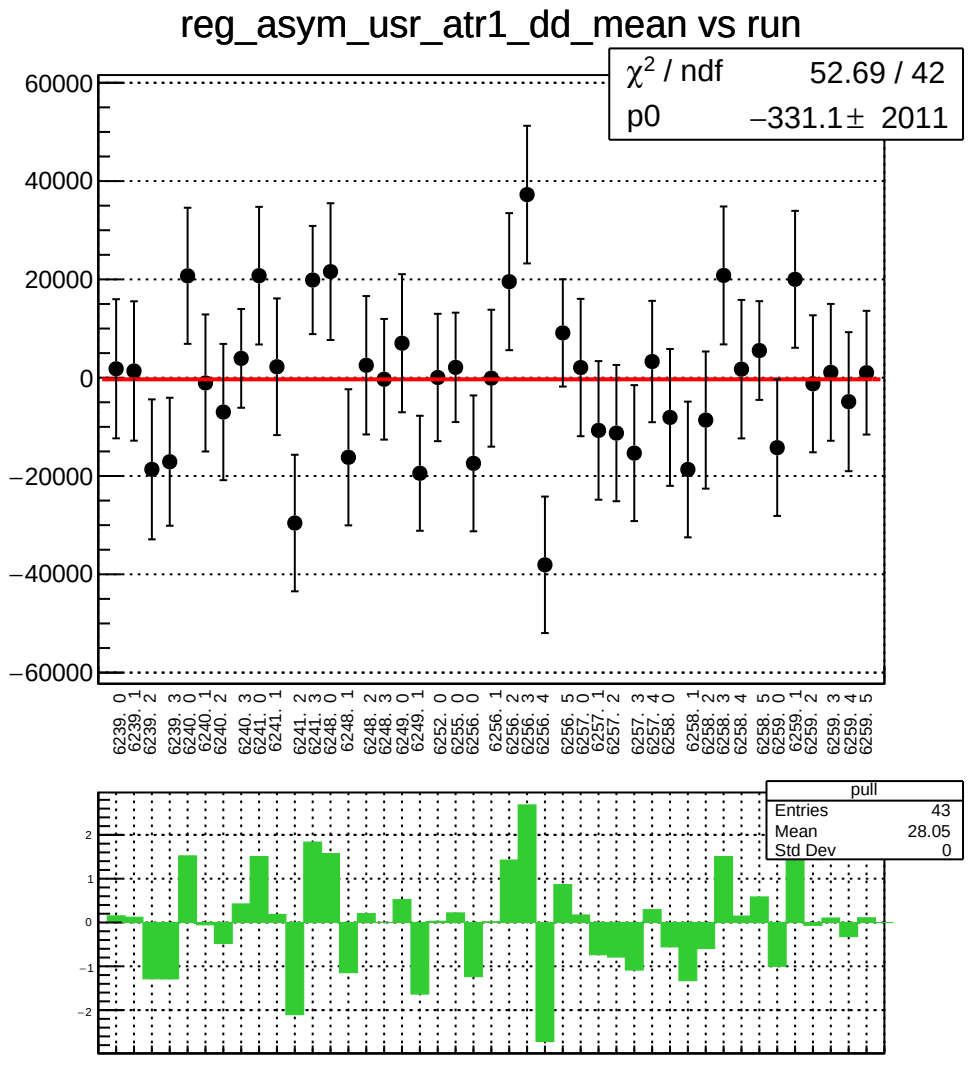

pull1D
Entries 43
Mean 0.08822
Std Dev 0.9302

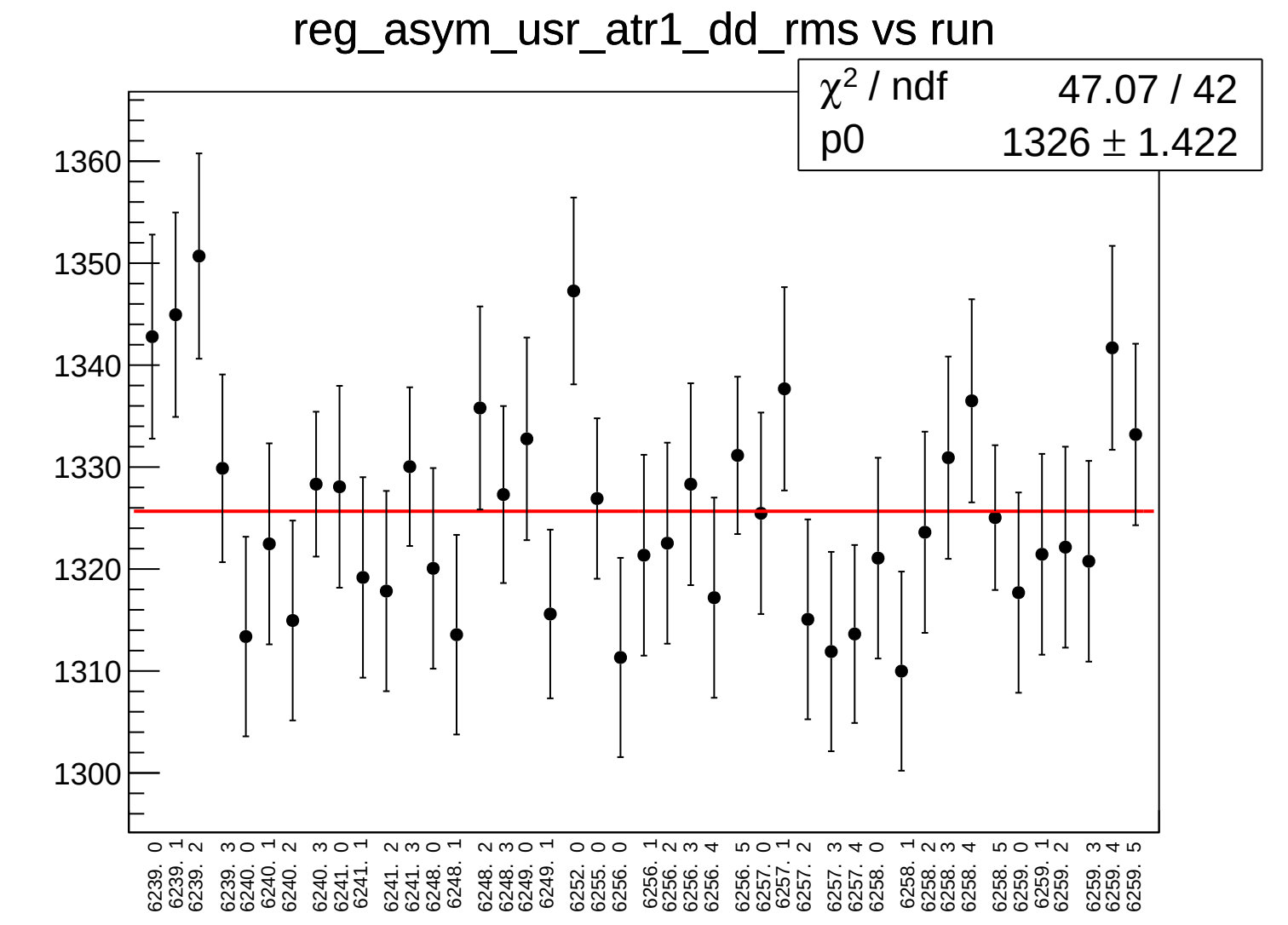

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.733e+04 / 42
p0 81.12 ± 0.09114
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

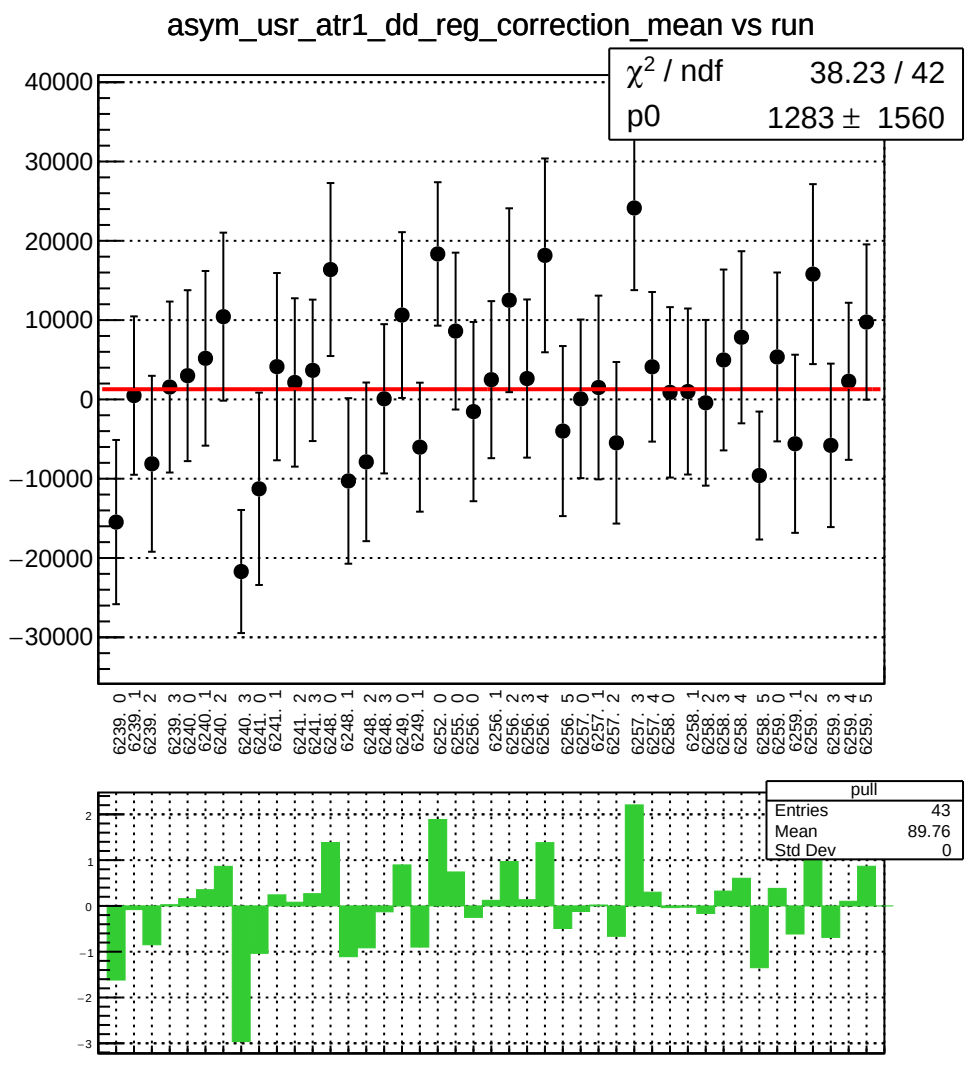

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 38.57 / 42
p0 6.179e−14 ± 8.312e−14
pull
Entries 43
Mean 21.1
Std Dev 0

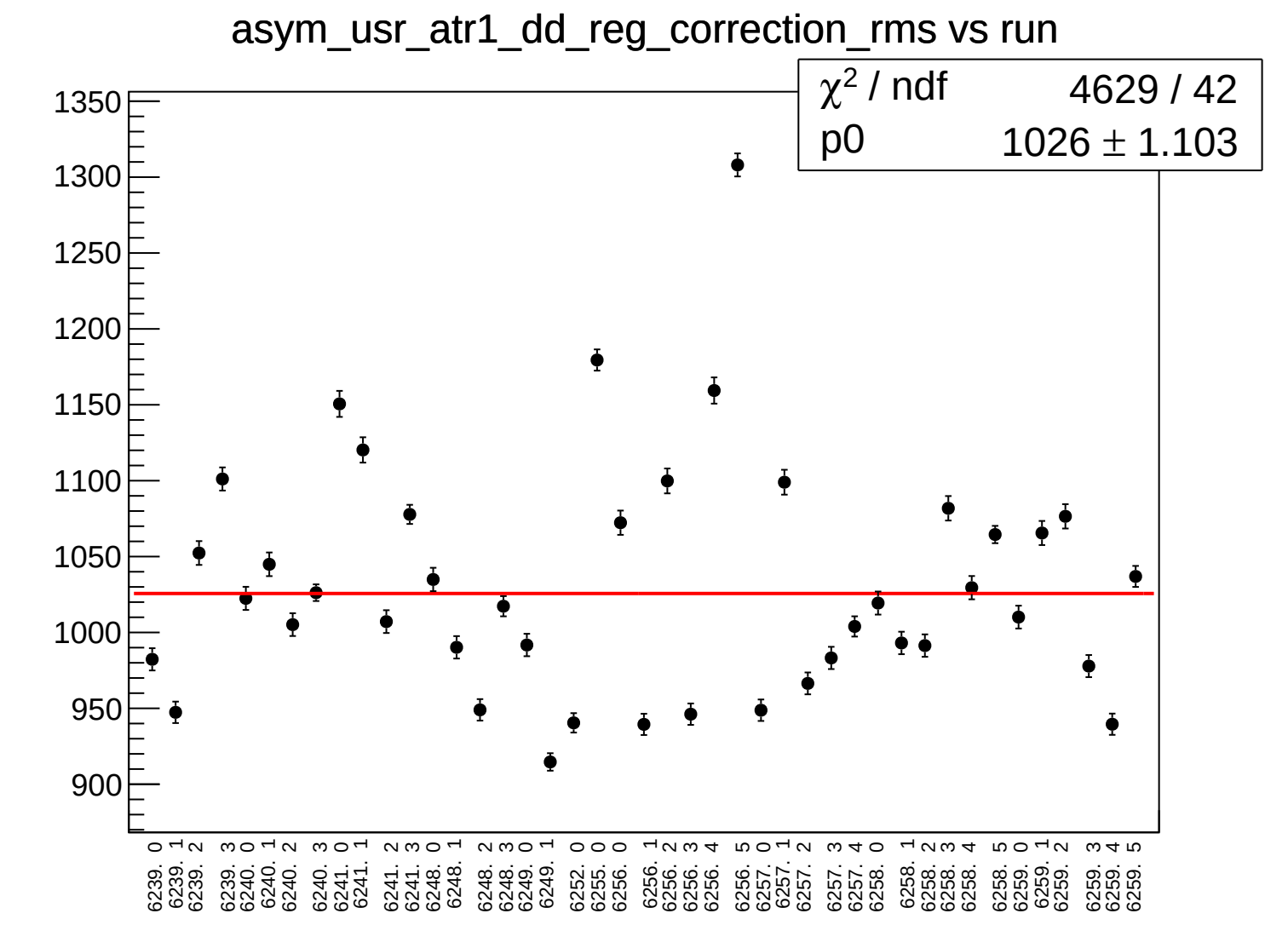

pull1D
Entries 43
Mean −0.09461
Std Dev 0.9423

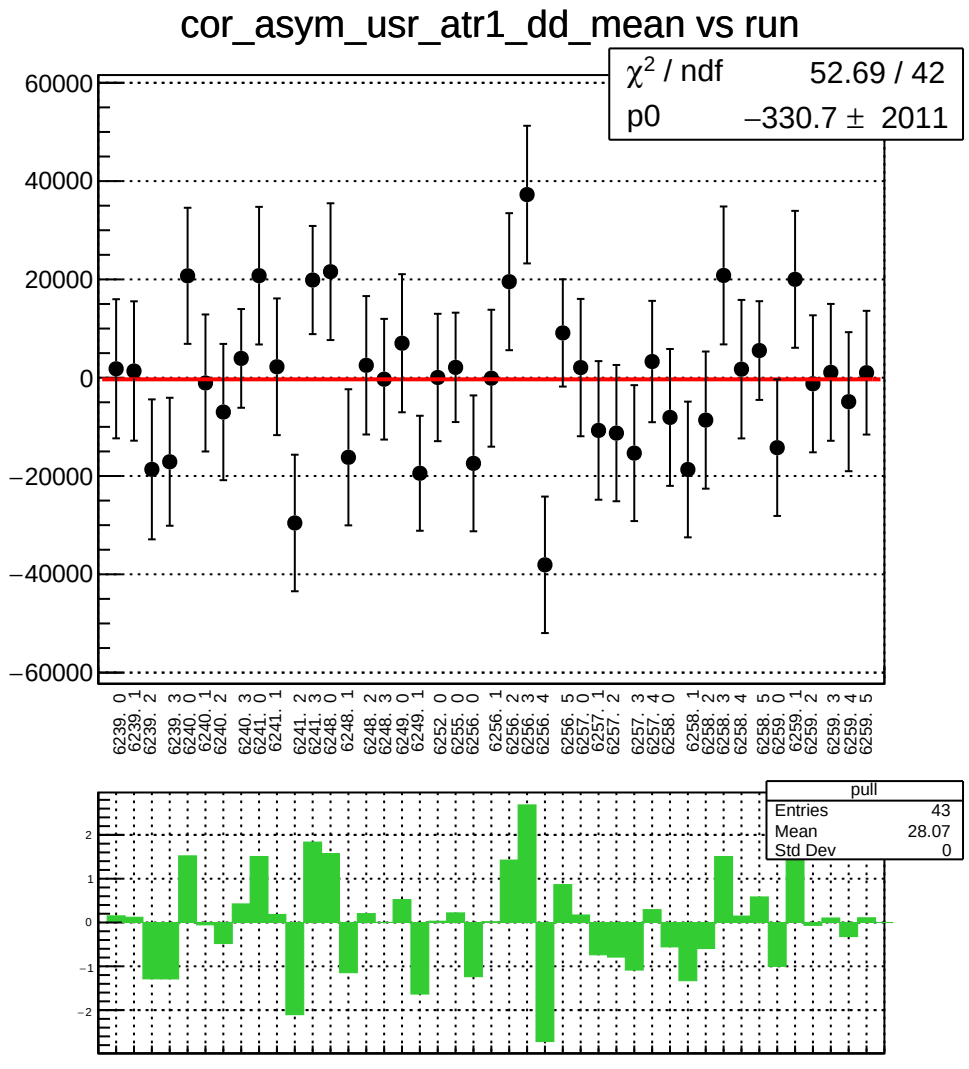

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.449e+05 / 42
p0 4.645e−11 ± 5.877e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

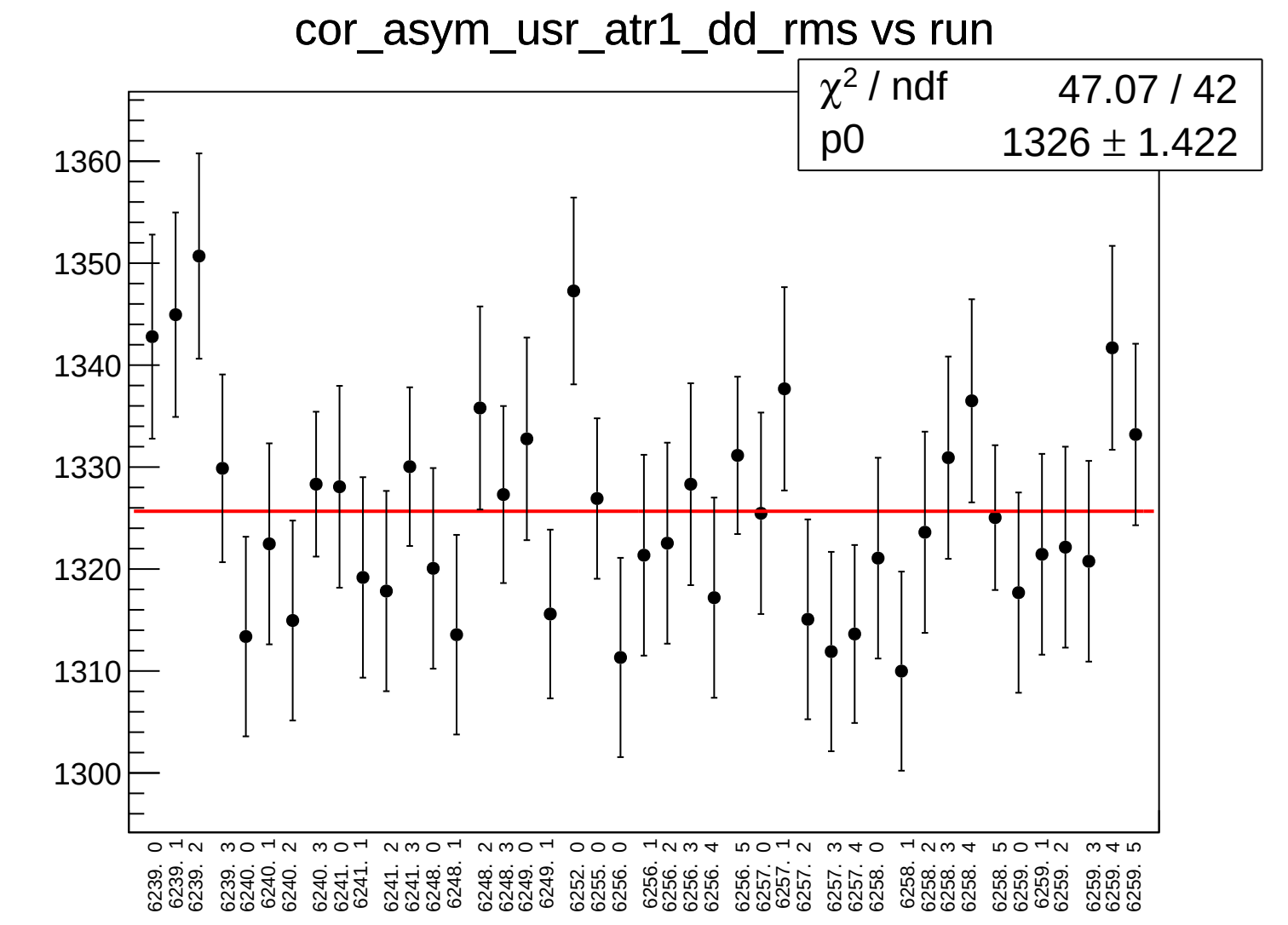

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.69 / 42
p0 −331.1± 2011
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.05
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0179
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 47.07 / 42
p0 1326 ± 1.422
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 38.23 / 42
p0 1283 ± 1560
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.76
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03697
Std Dev 0.9422
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4629 / 42
p0 1026 ± 1.103
1350
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.69 / 42
p0 −330.7 ± 2011
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.07
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0179
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 47.07 / 42
p0 1326 ± 1.422
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
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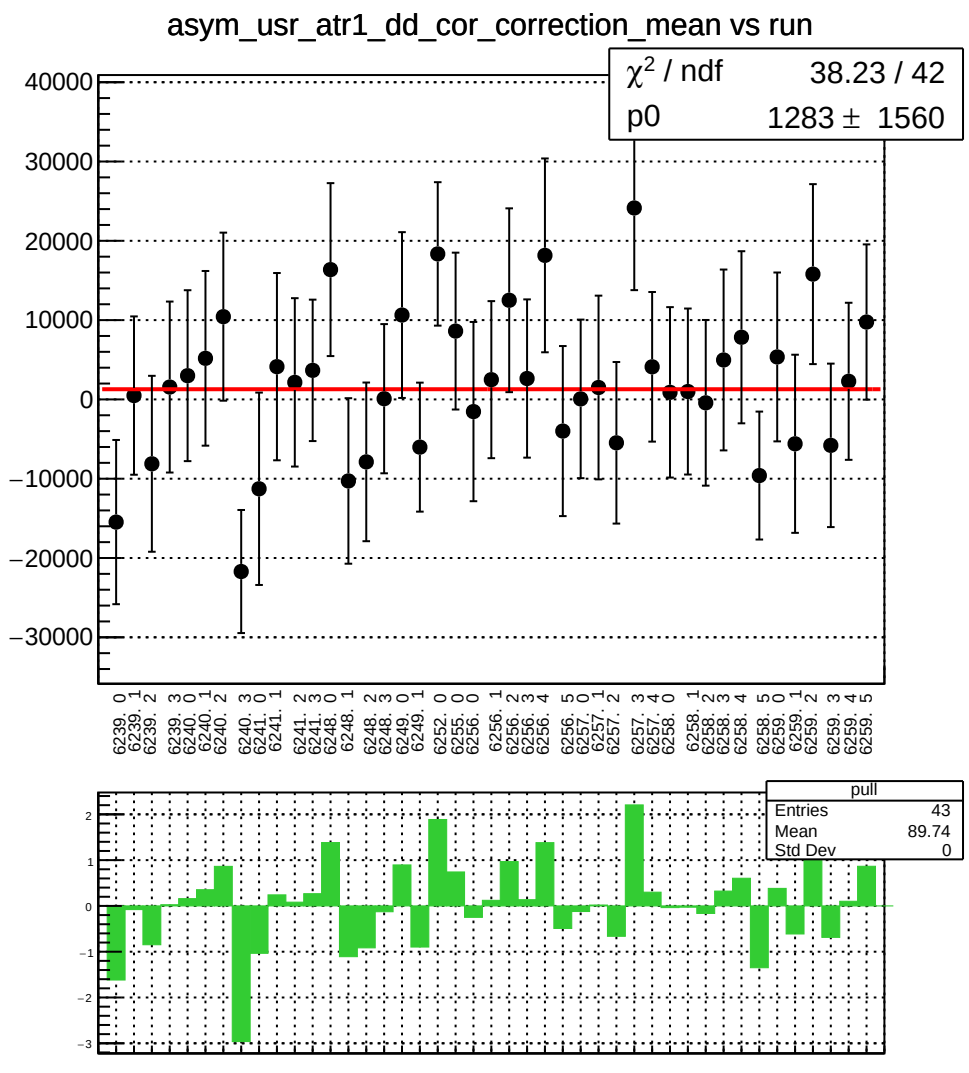
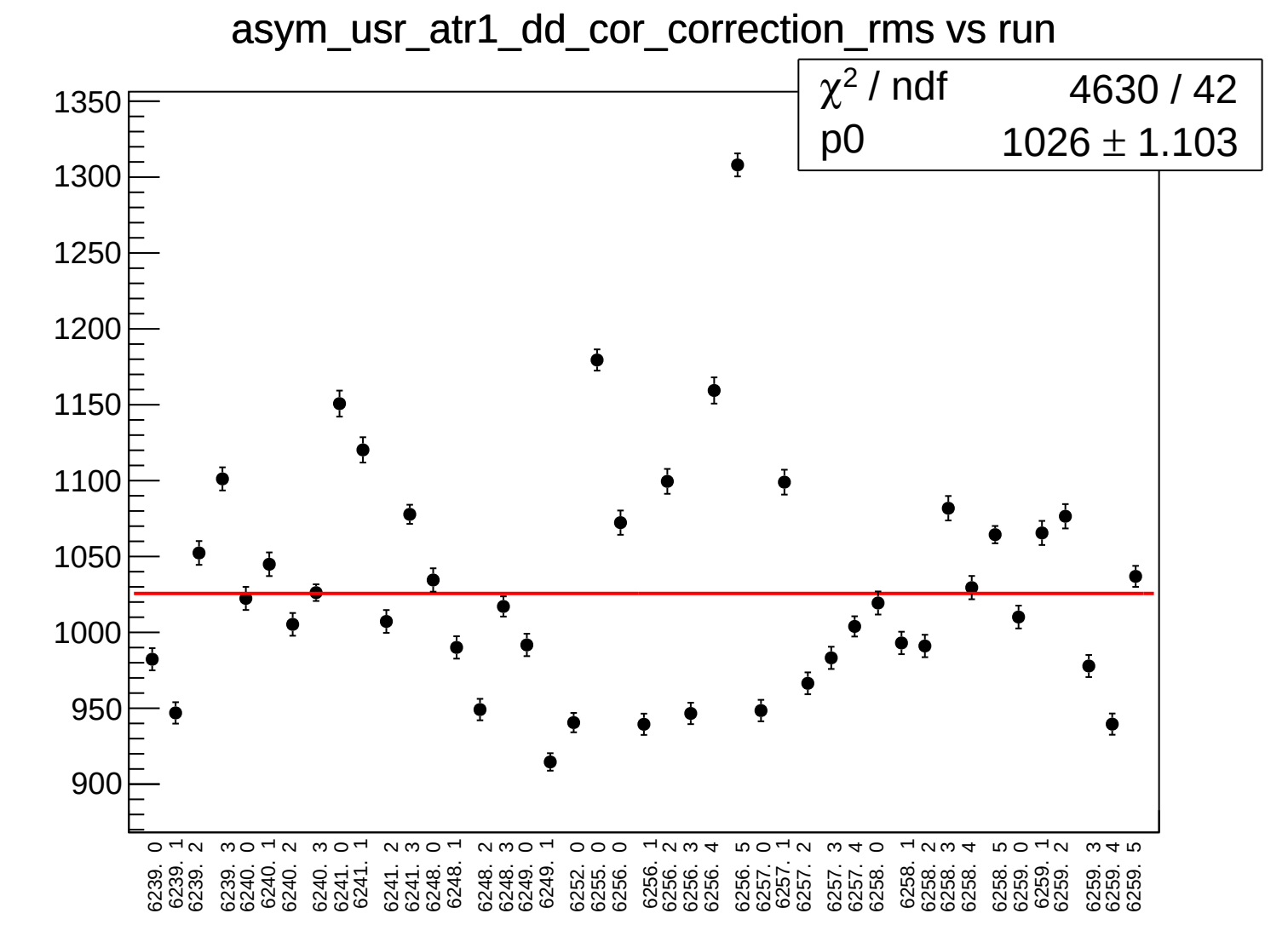
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 38.23 / 42
p0 1283 ± 1560
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.74
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03697
Std Dev 0.9422
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4630 / 42
p0 1026 ± 1.103
1350
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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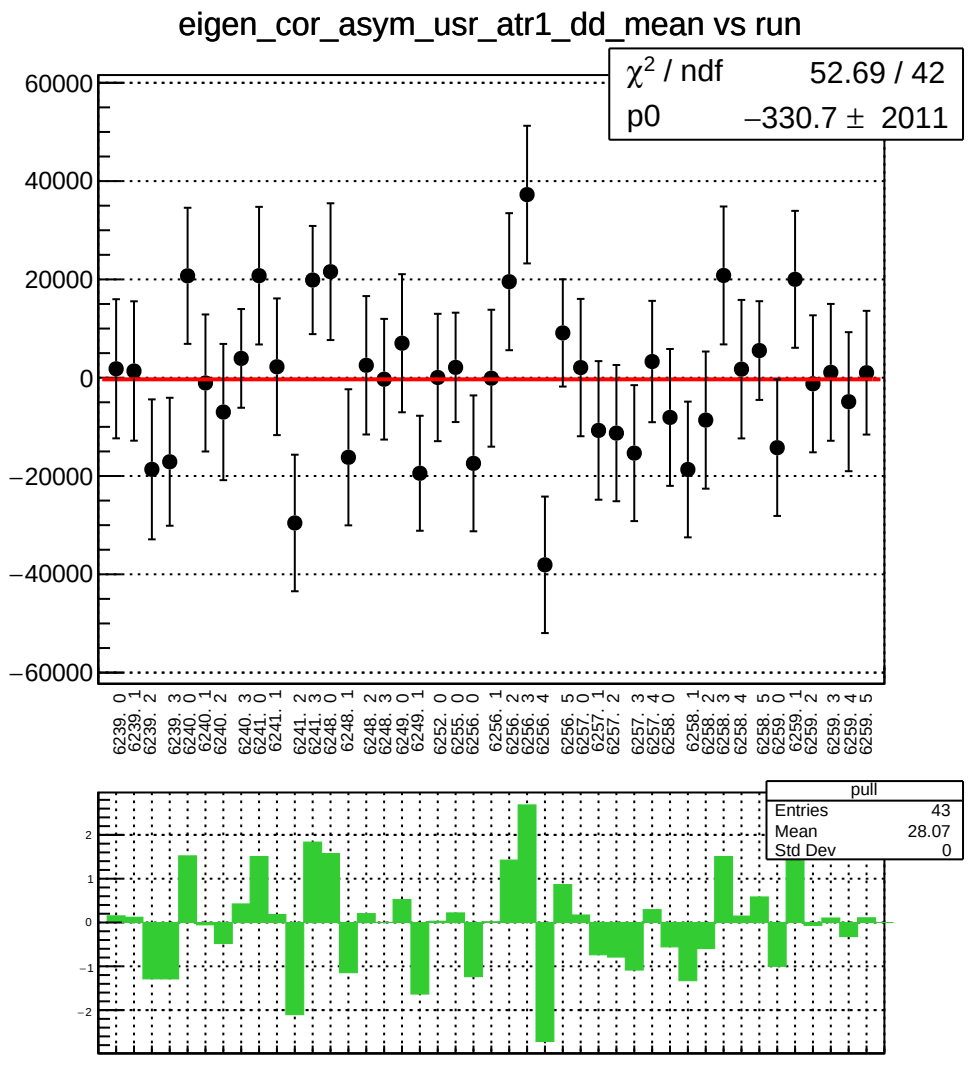
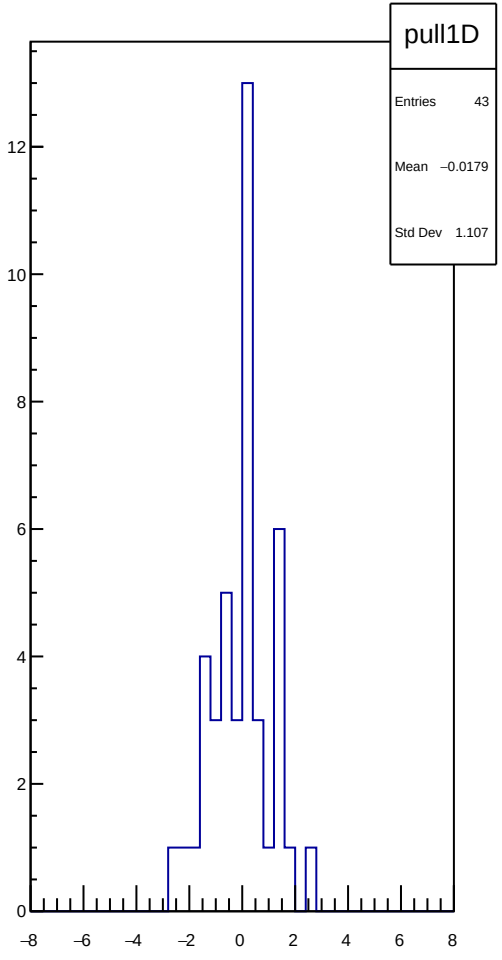
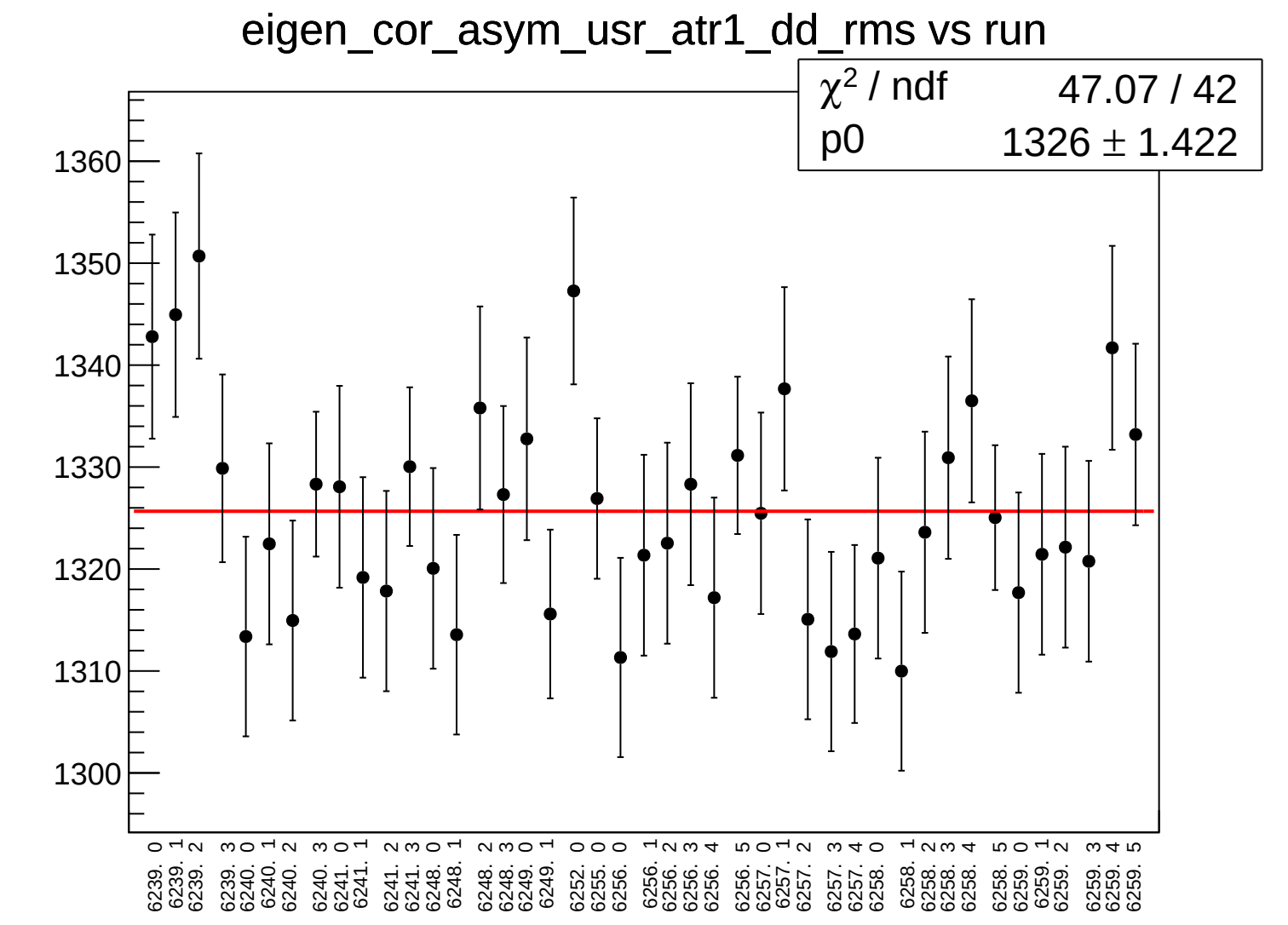
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.69 / 42
p0 −330.7 ± 2011
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.07
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.0179
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 47.07 / 42
p0 1326 ± 1.422
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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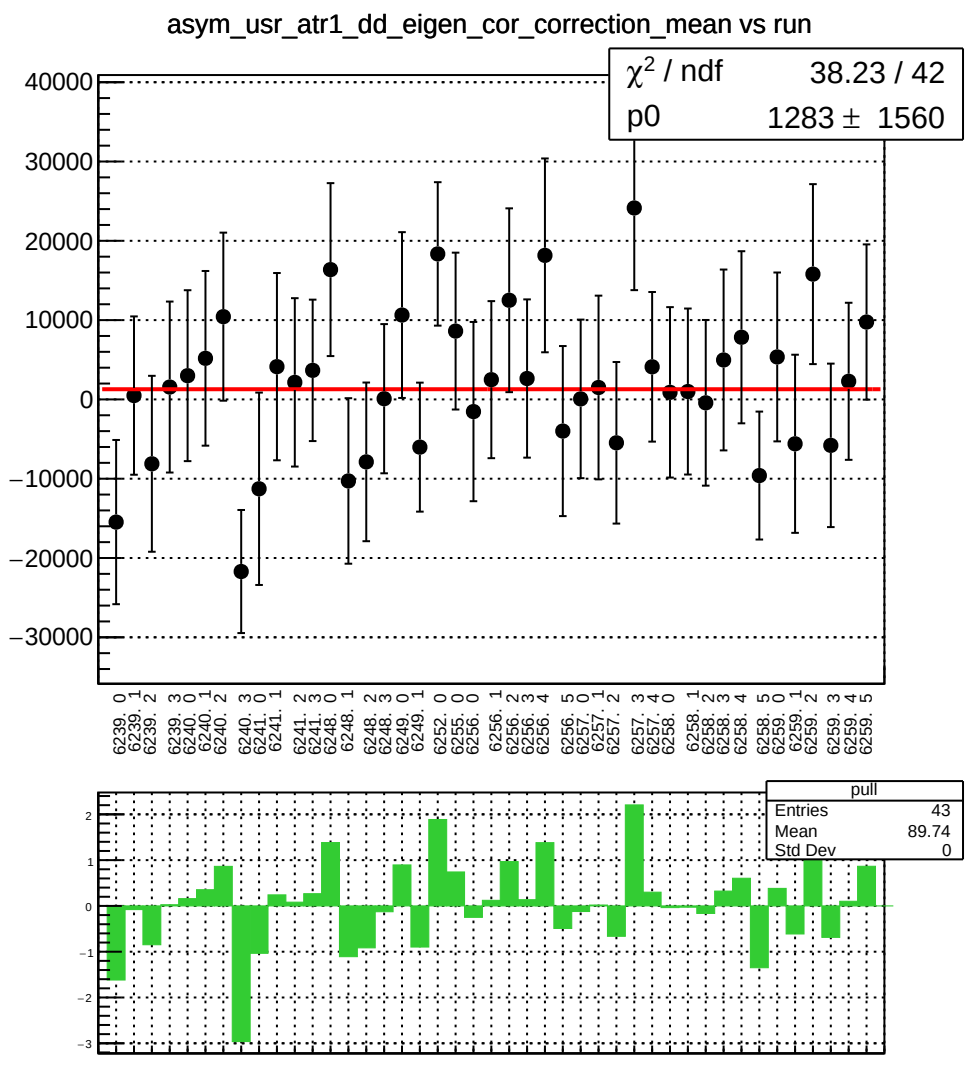
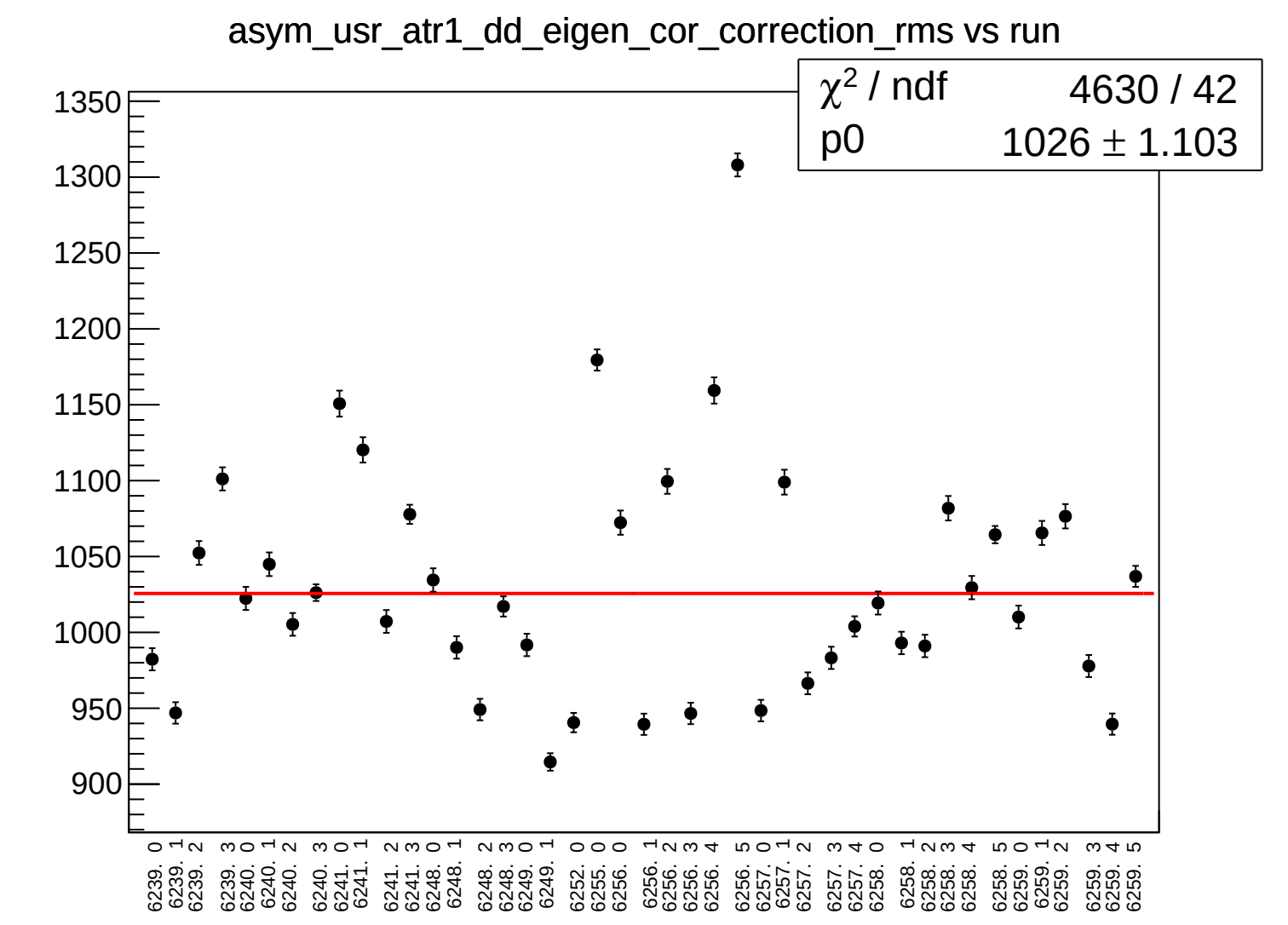
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 38.23 / 42
p0 1283 ± 1560
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.74
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03697
Std Dev 0.9422
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4630 / 42
p0 1026 ± 1.103
1350
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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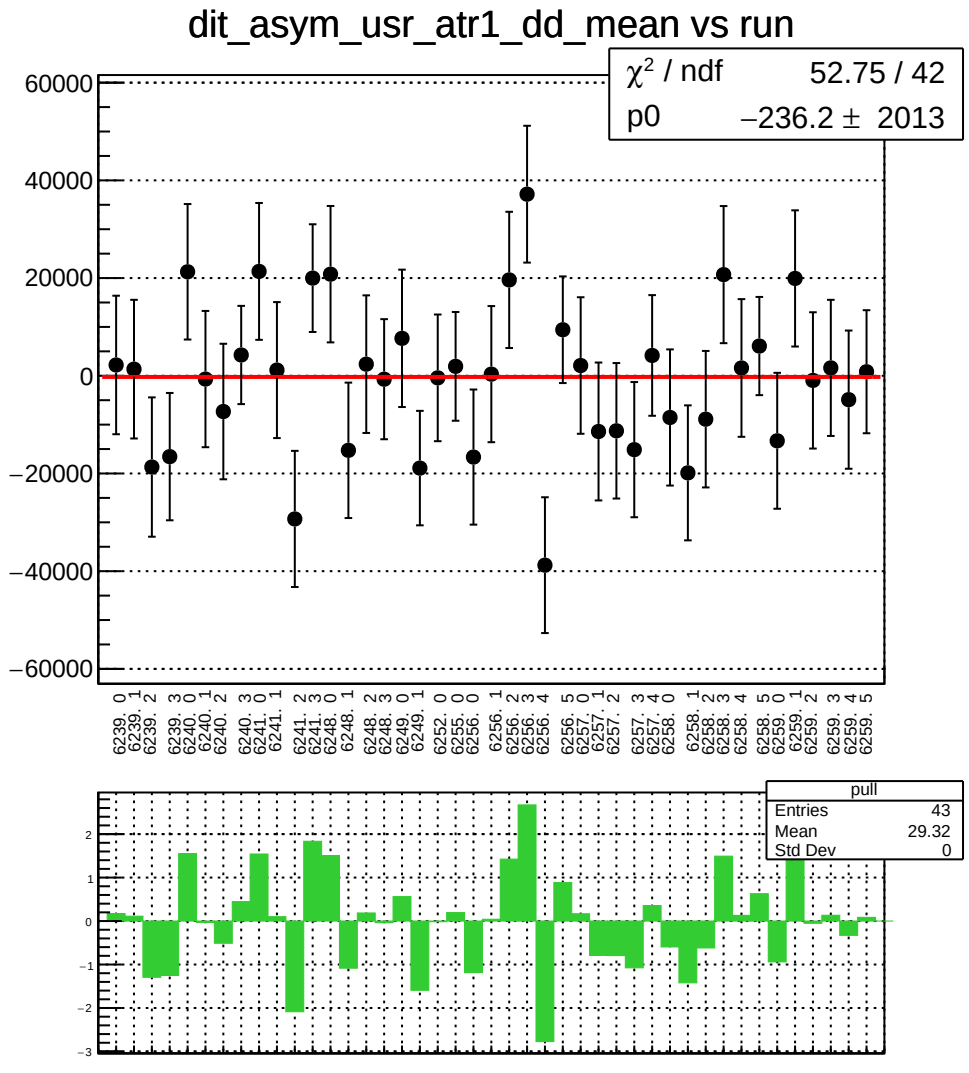
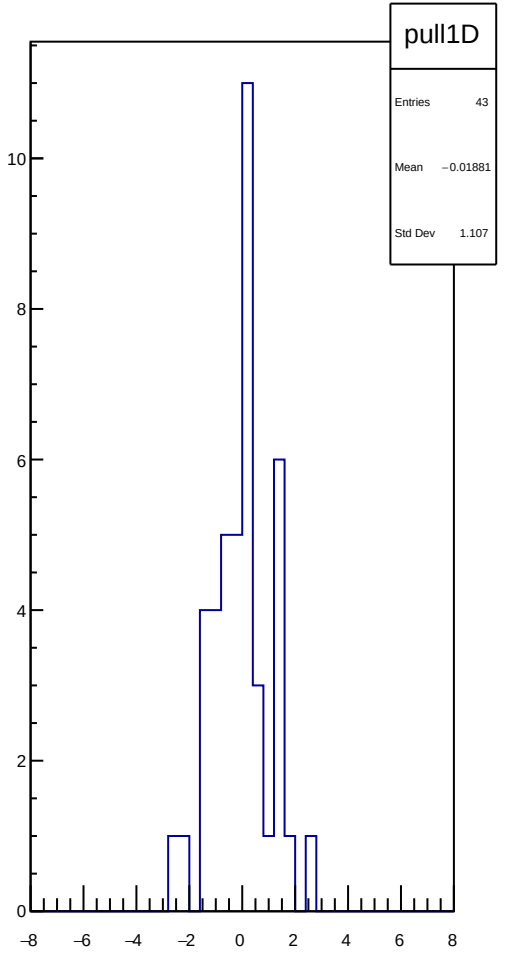
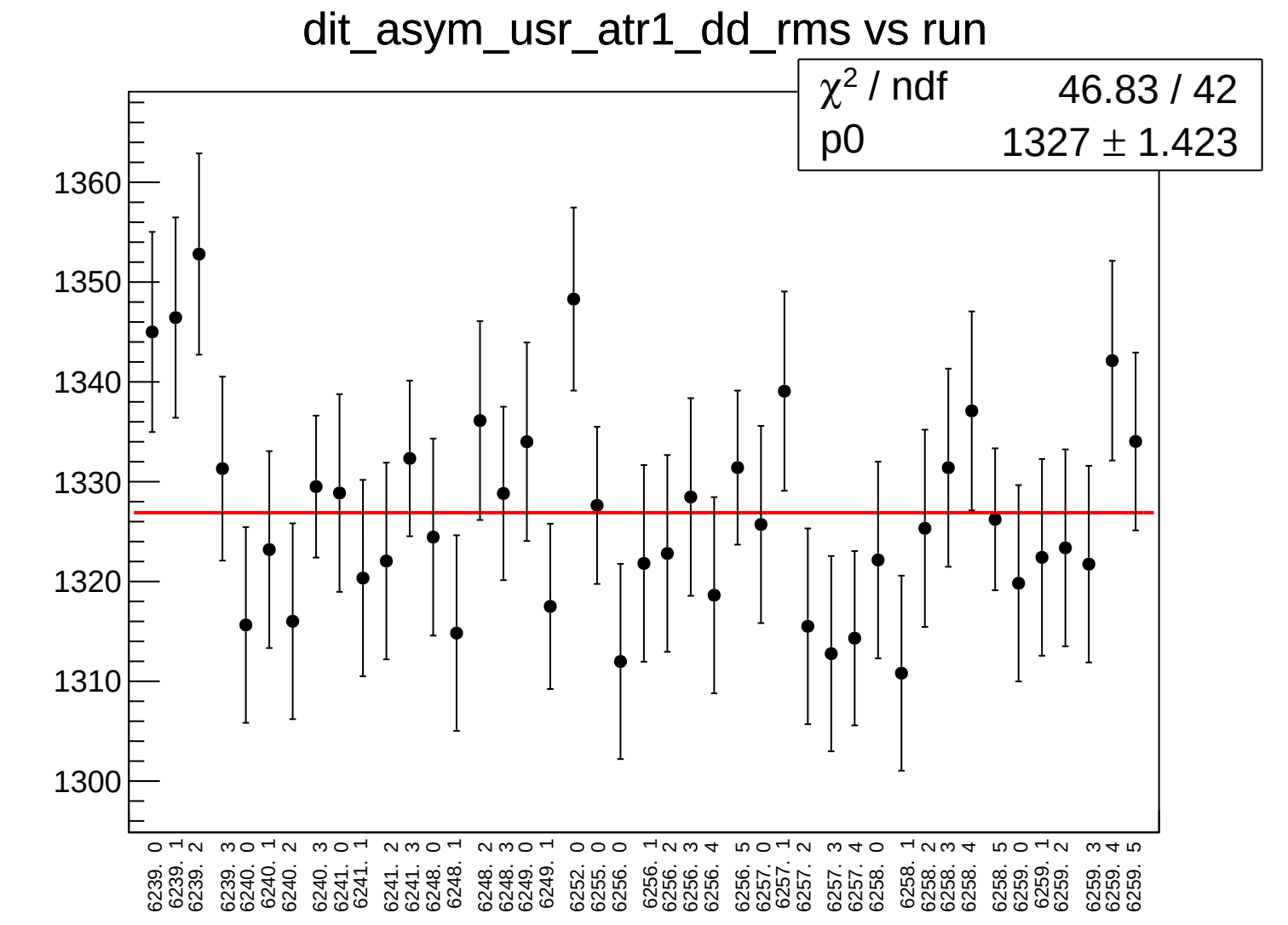
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.75 / 42
p0 −236.2 ± 2013
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.32
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.01881
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 46.83 / 42
p0 1327 ± 1.423
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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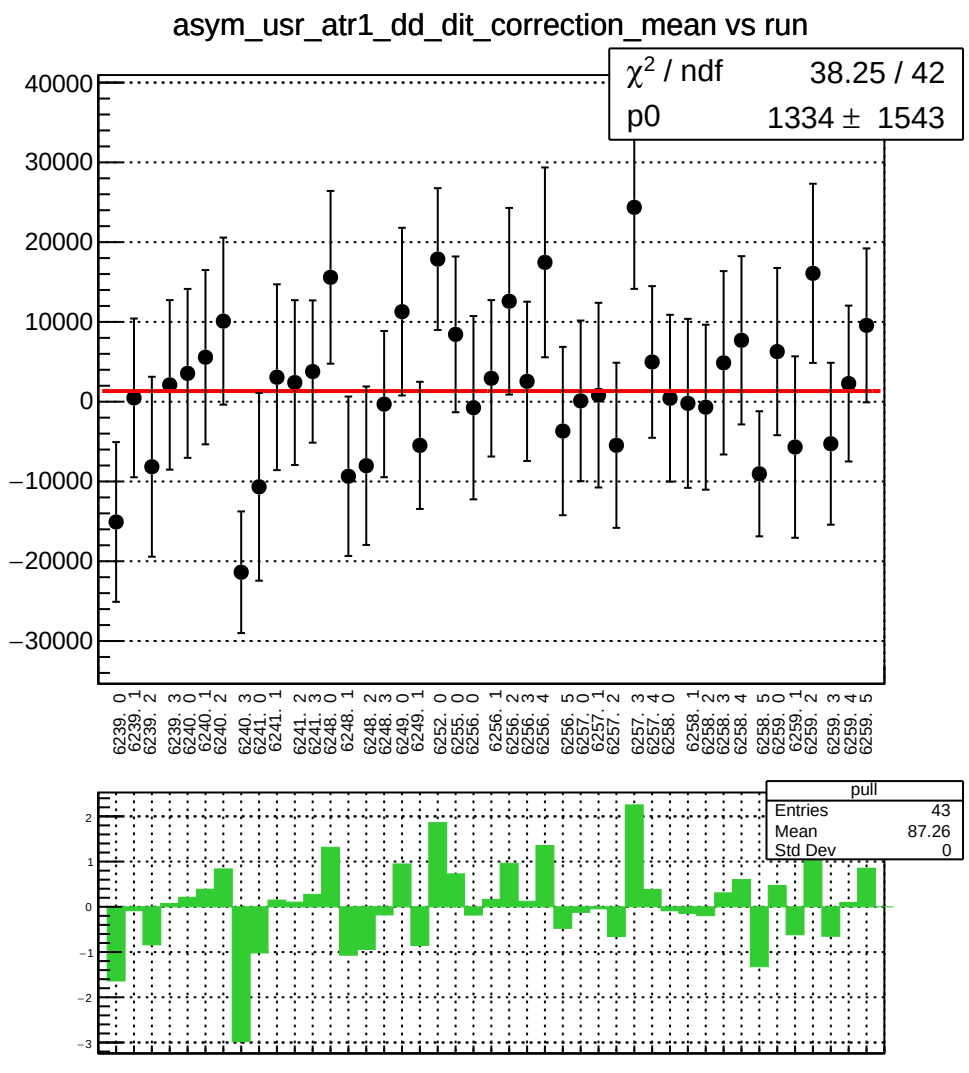
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 38.25 / 42
p0 1334 ± 1543
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
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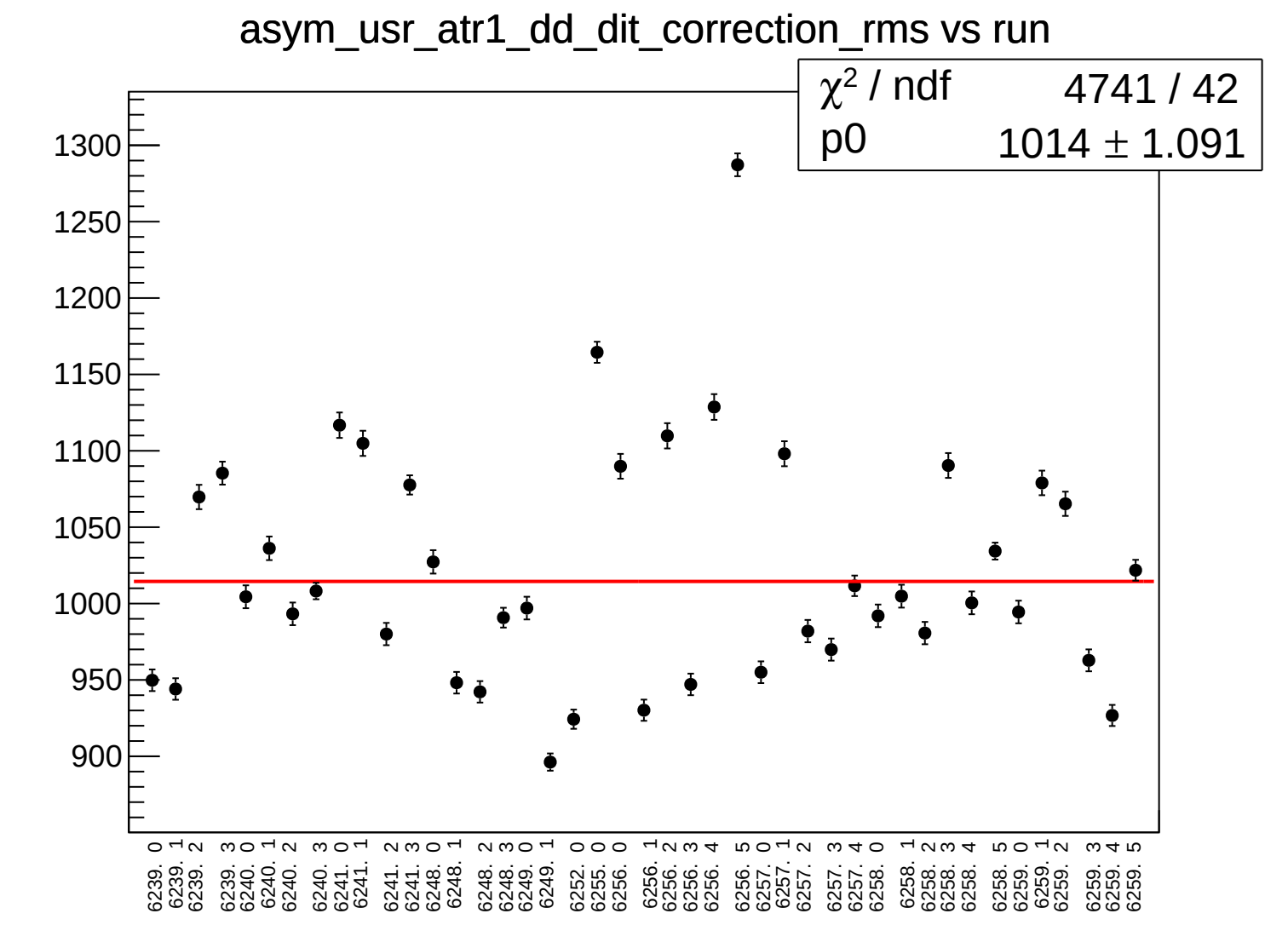
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.26
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03867
Std Dev 0.9423
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 4741 / 42
p0 1014 ± 1.091
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
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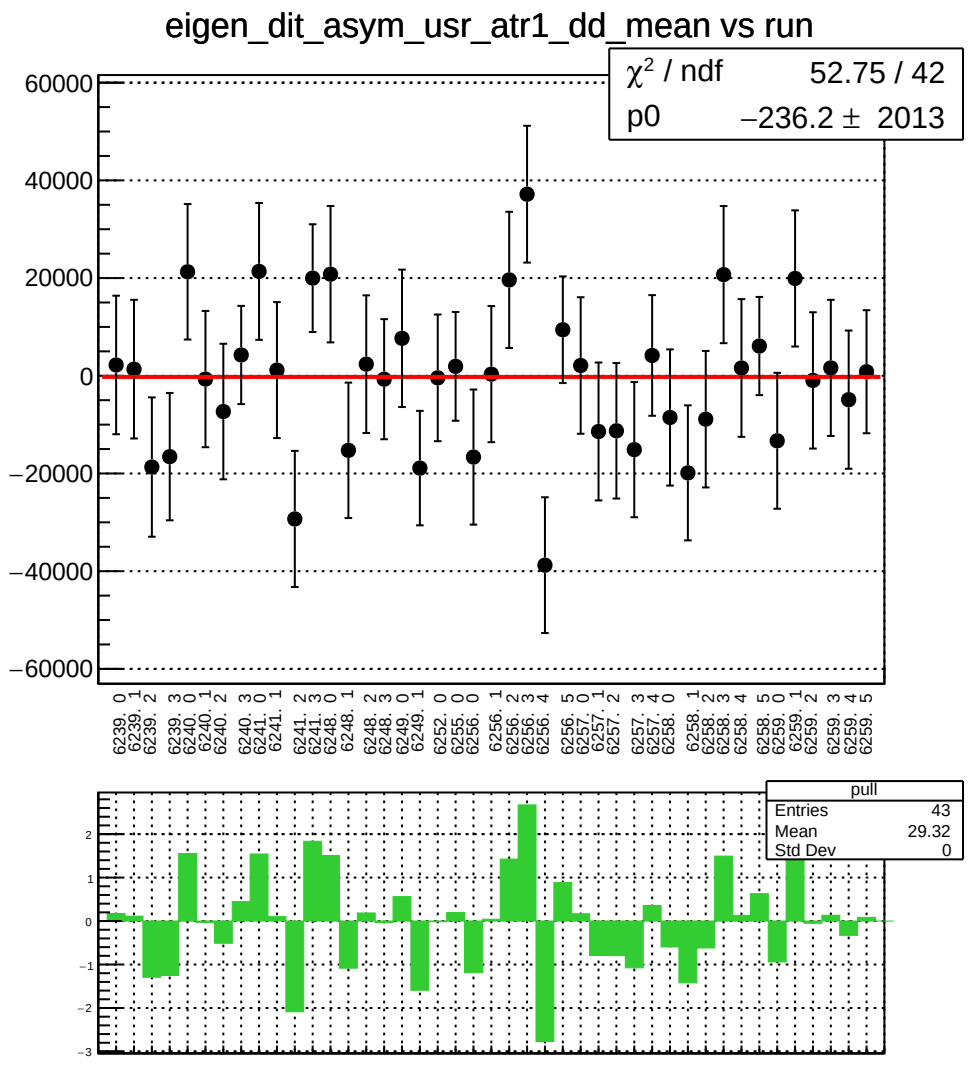
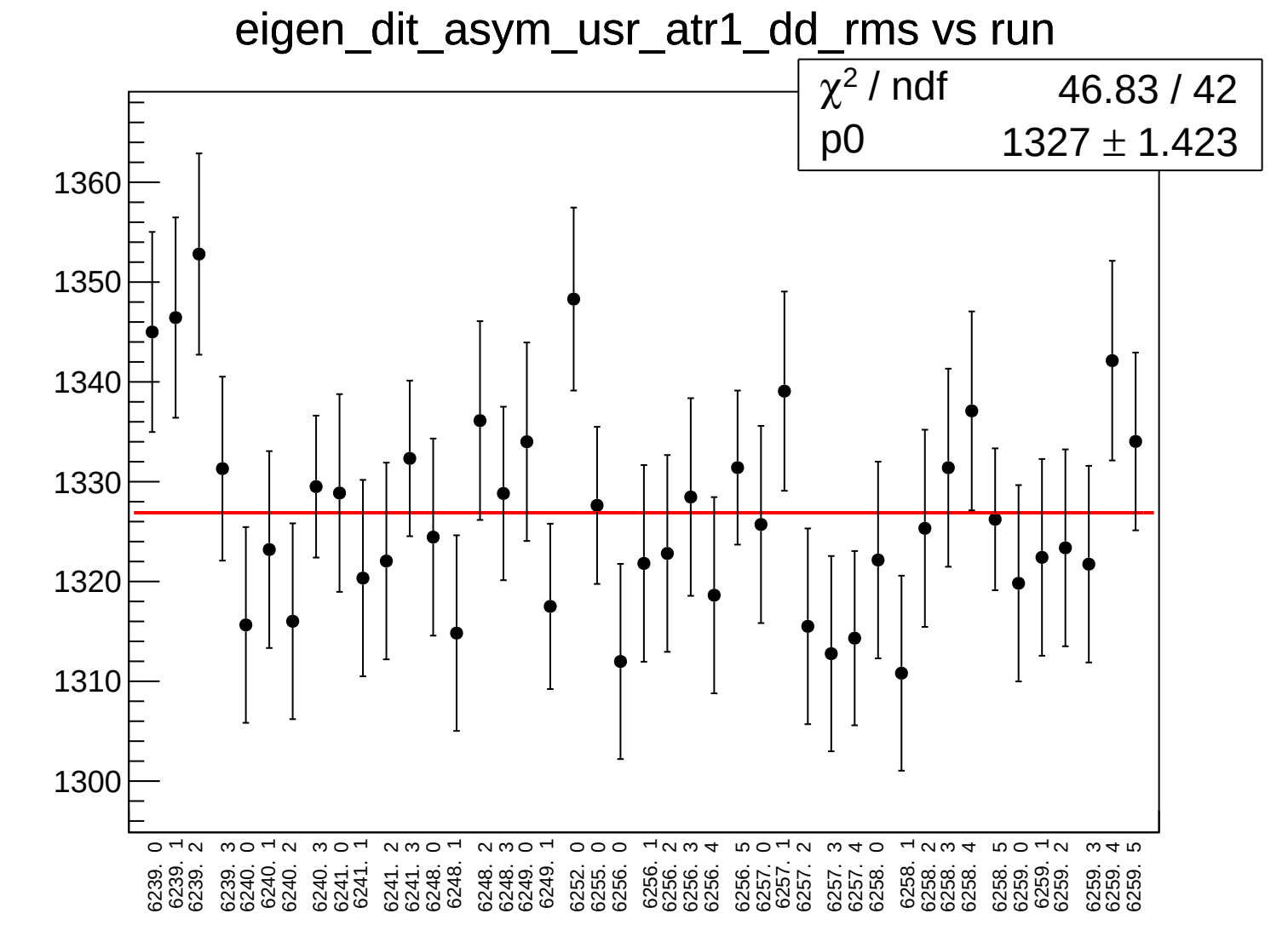
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 52.75 / 42
p0 −236.2 ± 2013
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.32
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.01881
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 46.83 / 42
p0 1327 ± 1.423
1360
1350
1340
1330
1320
1310
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
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6256. 1
6256. 2
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6256. 5
6257. 0
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6257. 2
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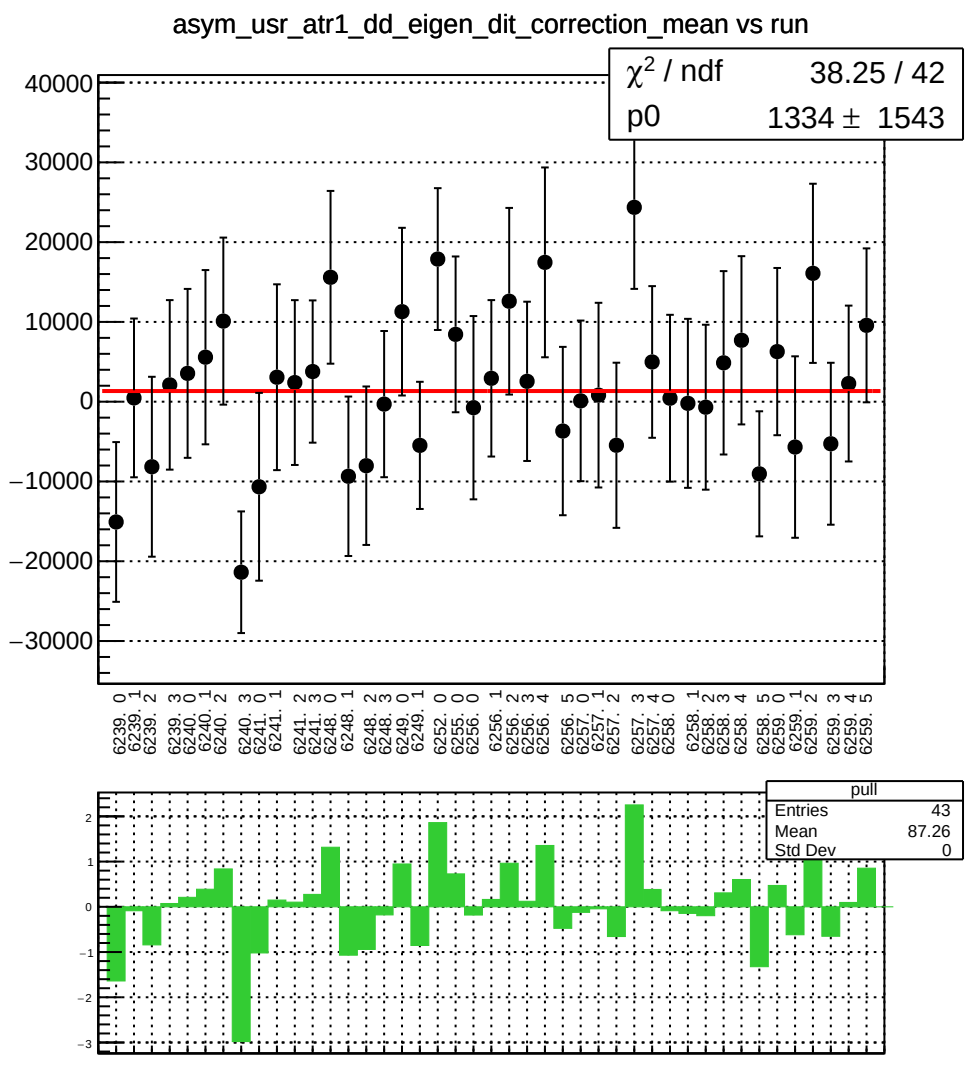
6259. 4
6259. 5


asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 38.25 / 42
p0 1334 ± 1543
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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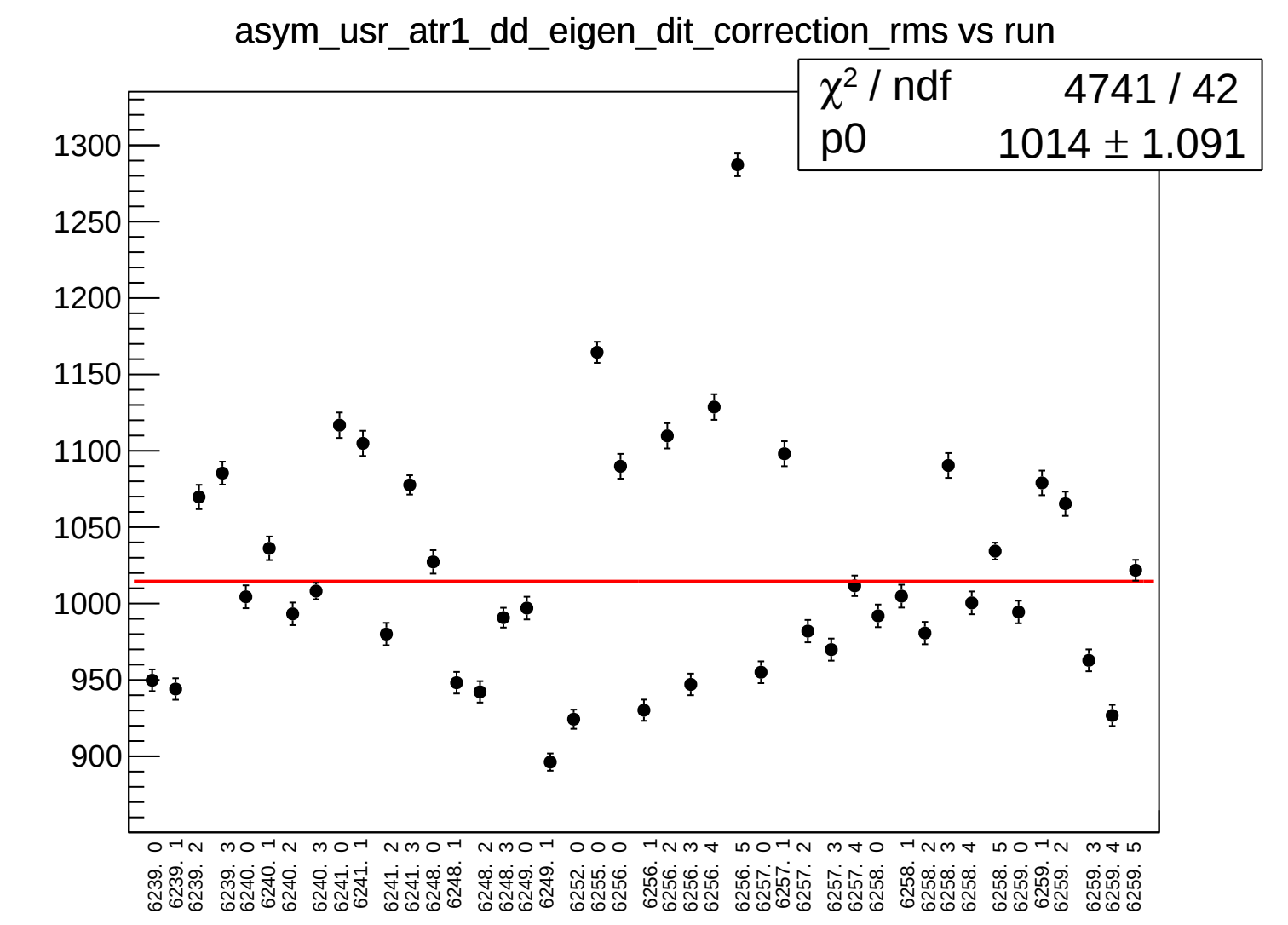
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.26
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03867
Std Dev 0.9423
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4741 / 42
p0 1014 ± 1.091
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
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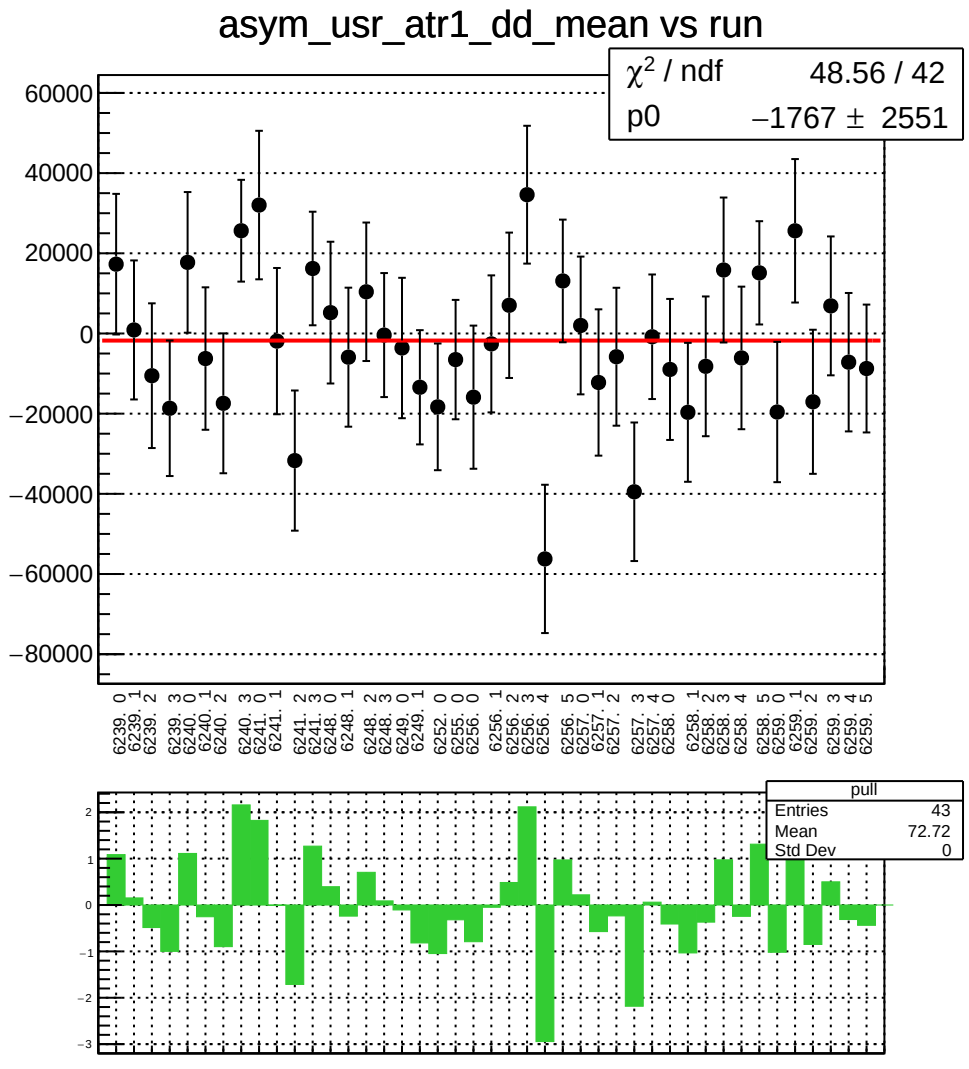
6259. 5


asym_usr_atr1_dd_mean vs run
χ² / ndf 48.56 / 42
p0 −1767 ± 2551
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
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6241. 0
6241. 1
6241. 2
6241. 3
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6259. 0
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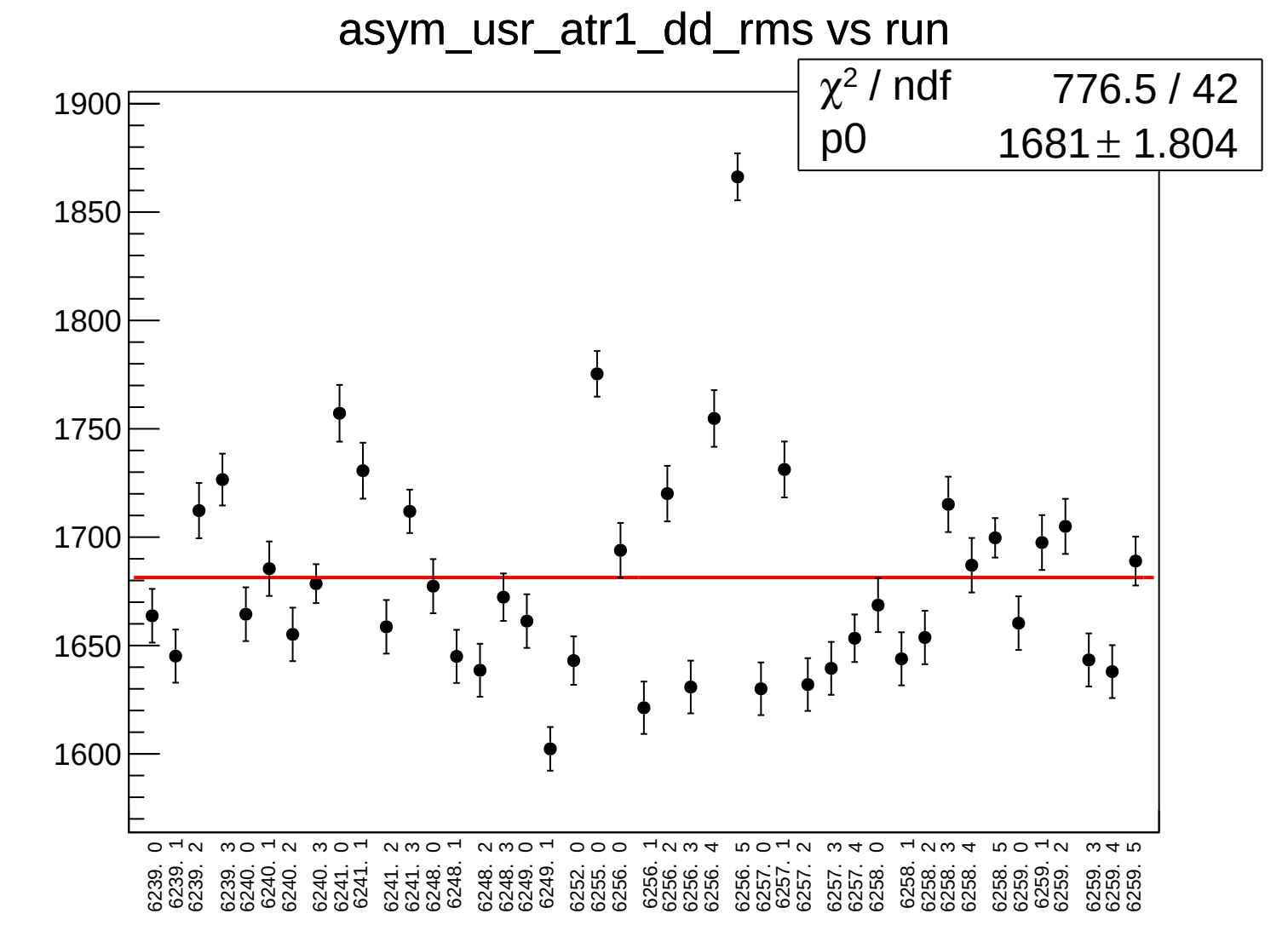
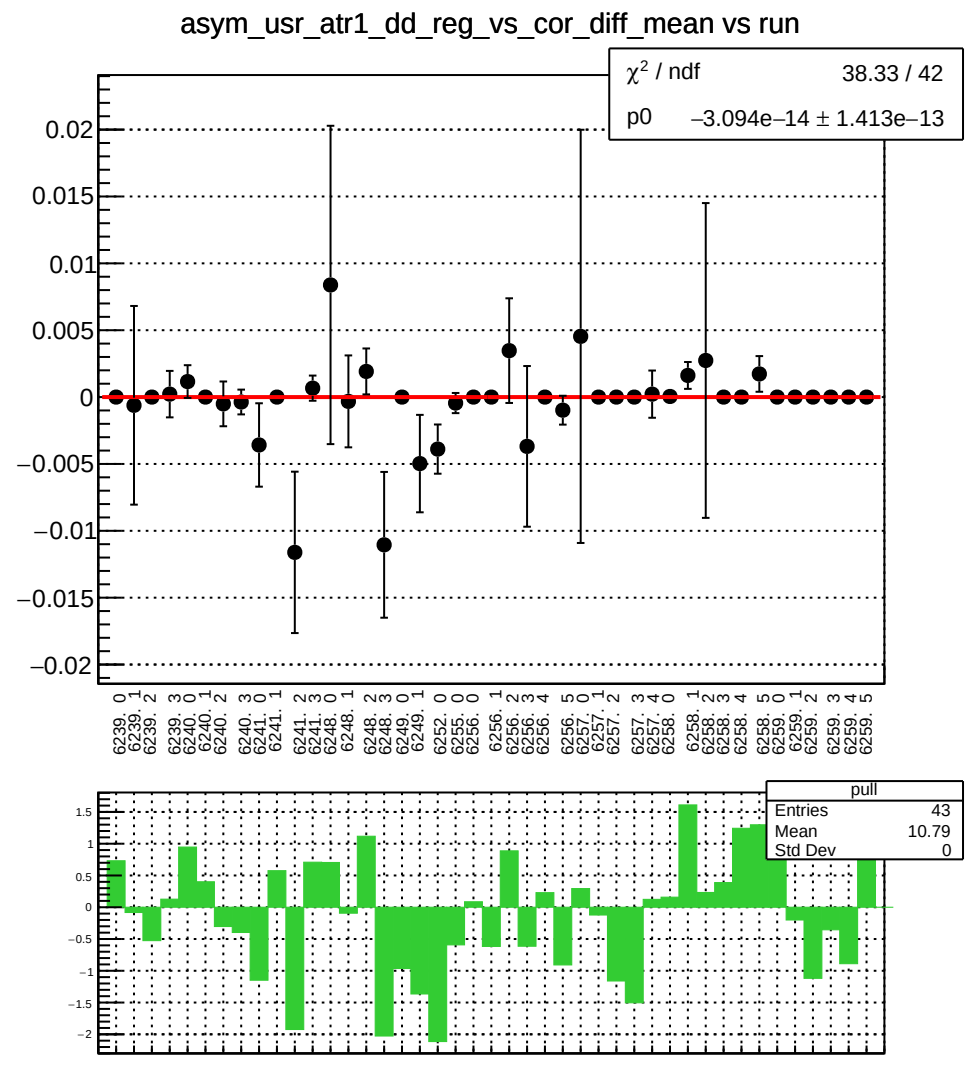
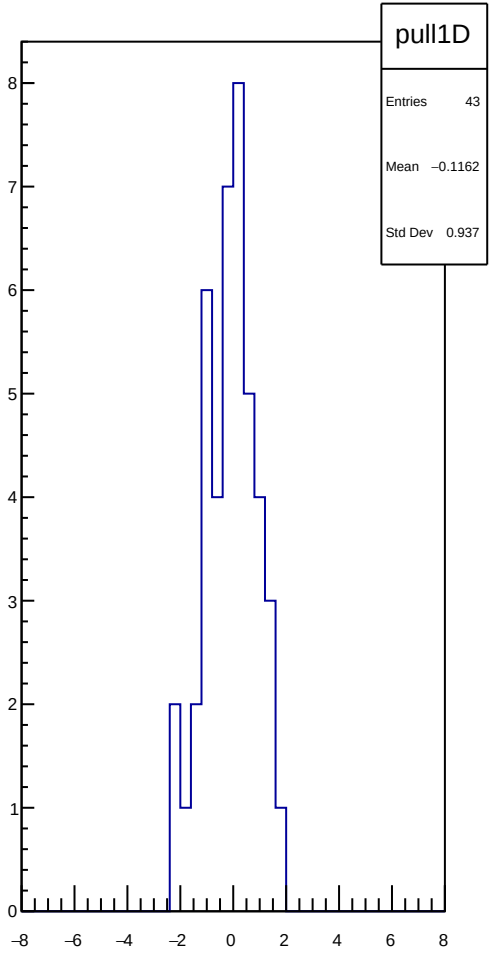
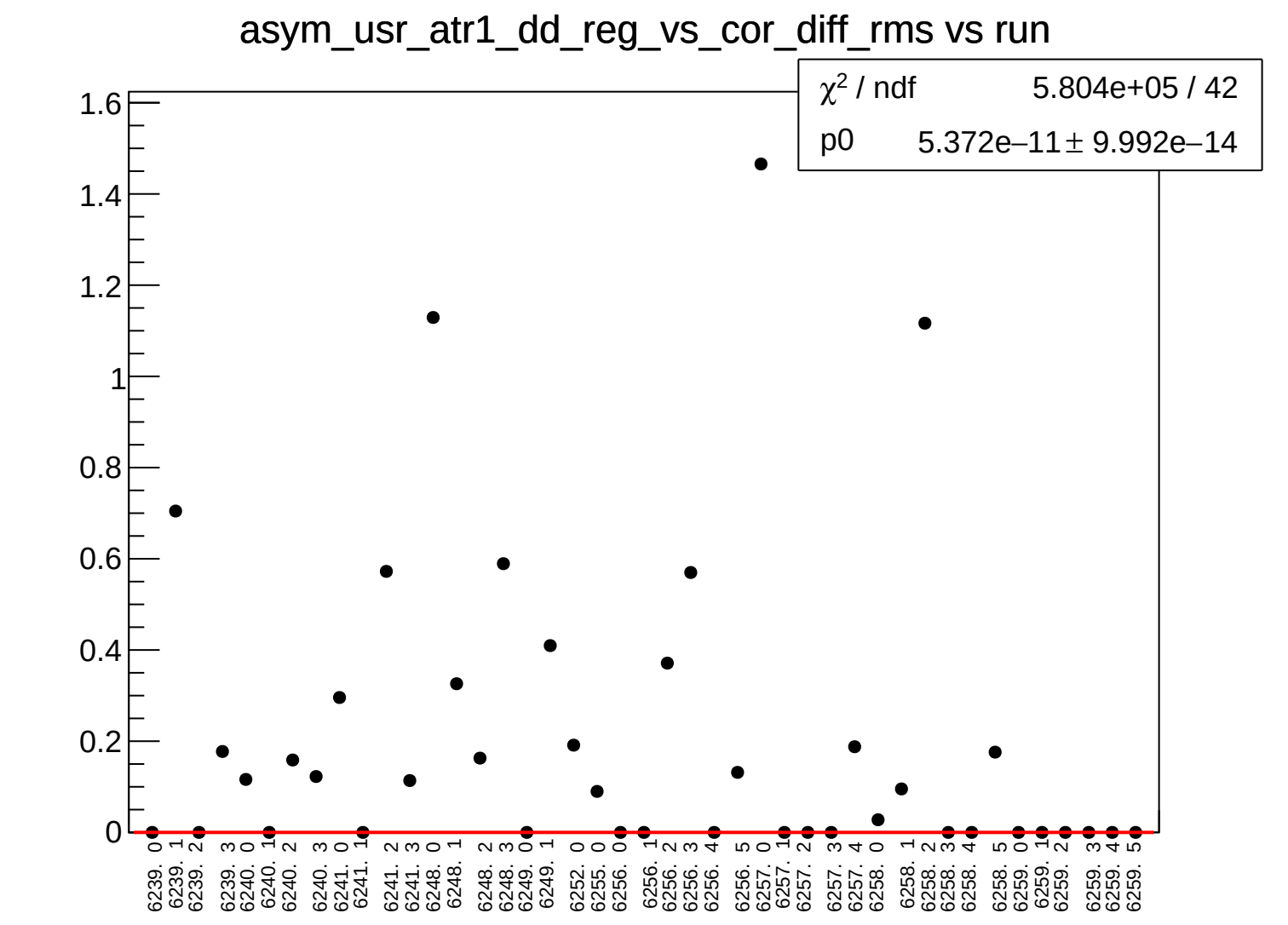
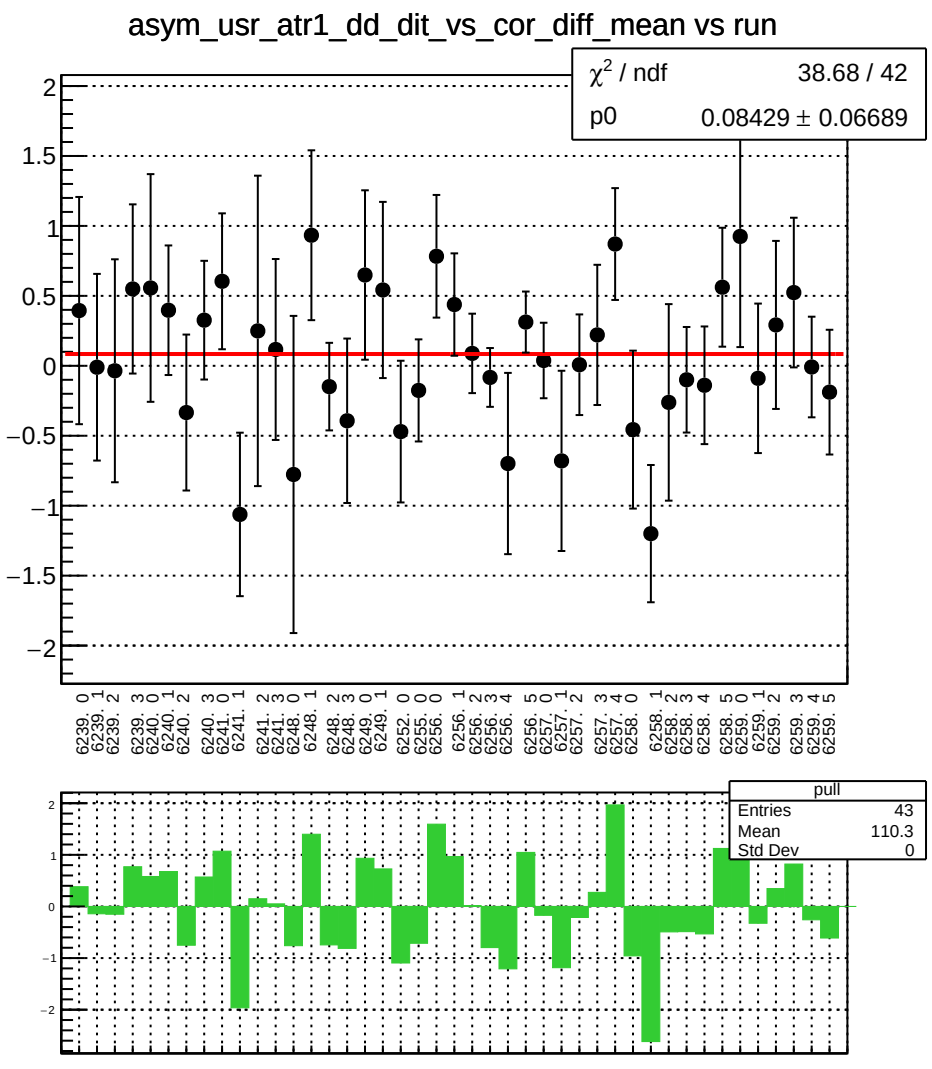
6259. 4
6259. 5
pull
Entries 43
Mean 72.72
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.03183
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

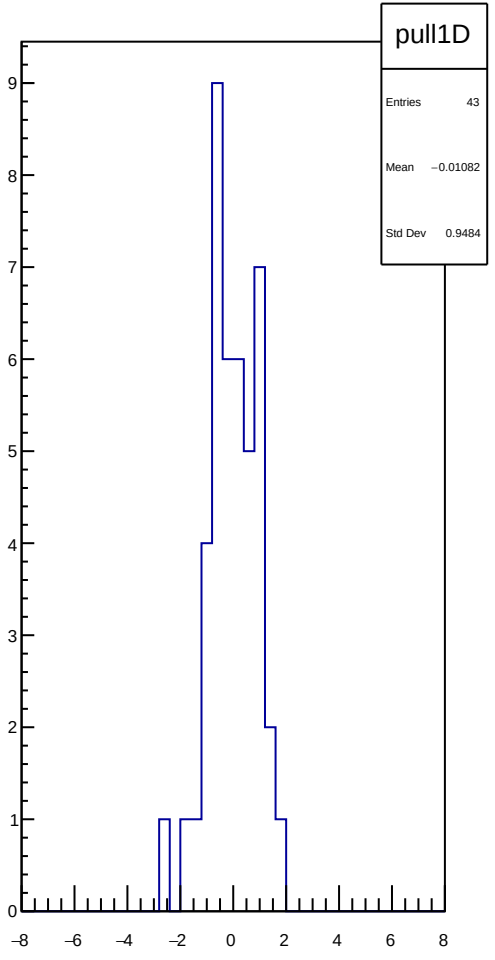

asym_usr_atr1_dd_rms vs run
χ² / ndf 776.5 / 42
p0 1681 ± 1.804
1900
1850
1800
1750
1700
1650
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

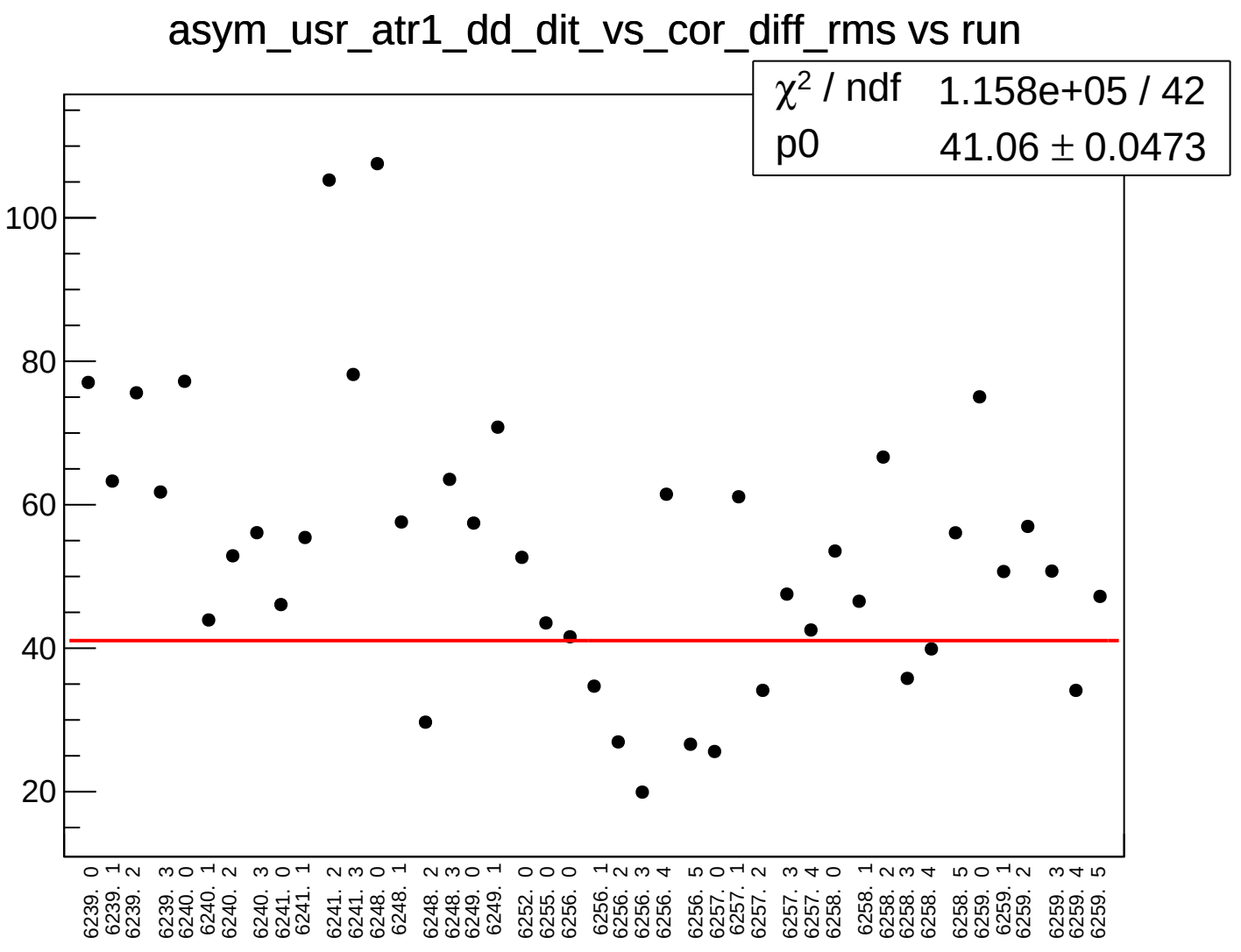

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 38.33 / 42
p0 −3.094e−14 ± 1.413e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

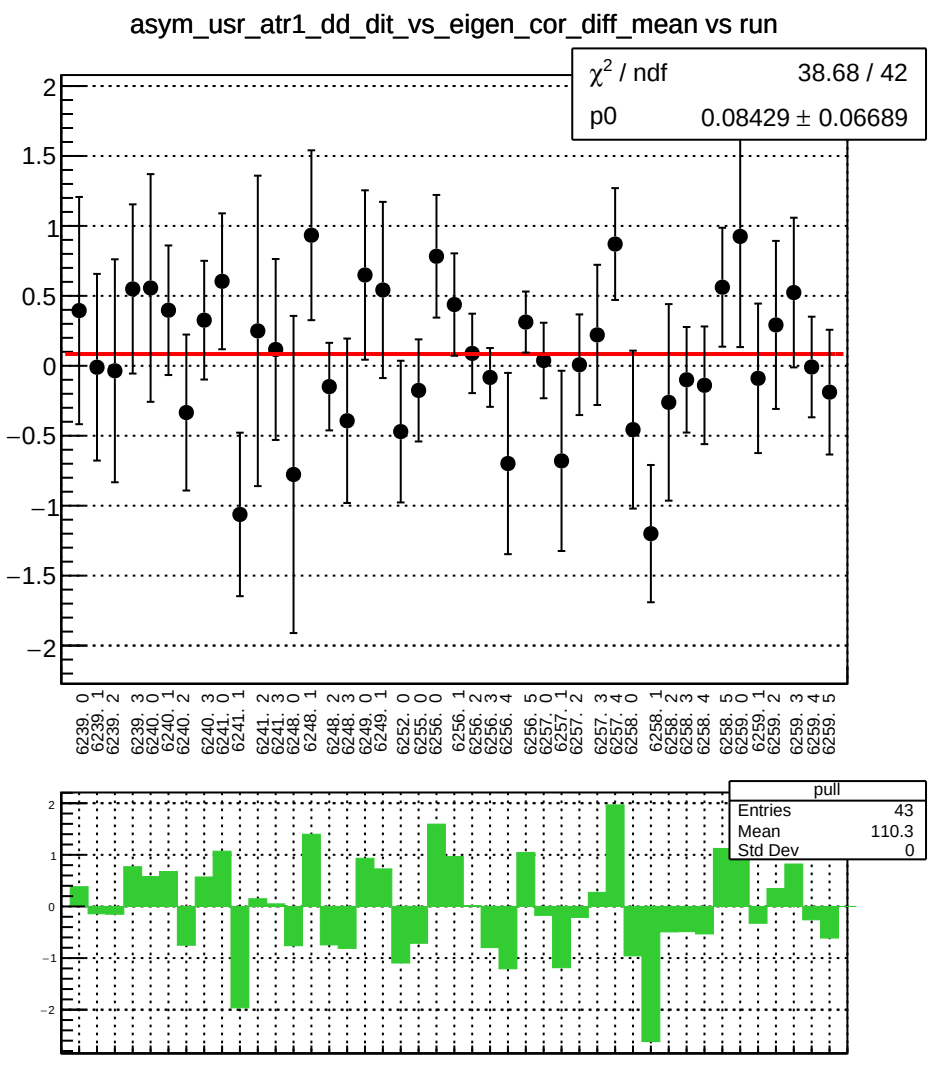

pull1D
Entries 43
Mean −0.1162
Std Dev 0.937
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

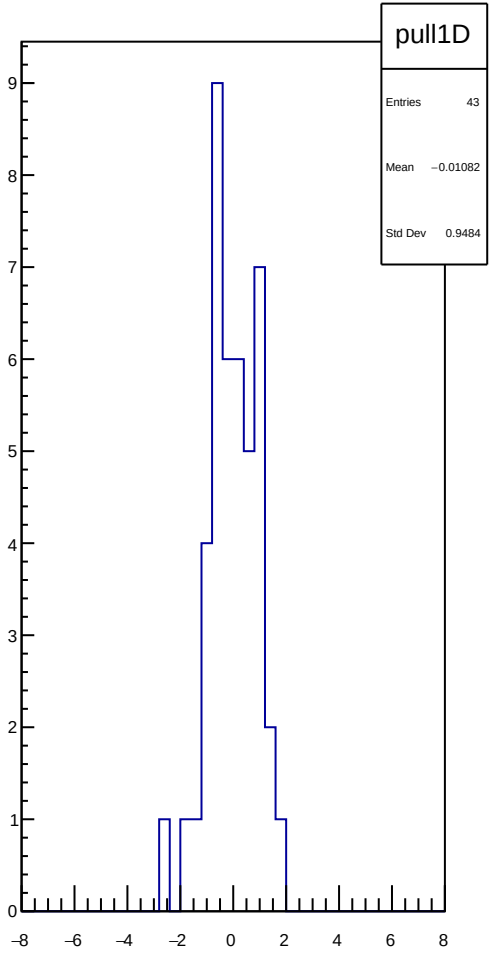

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.804e+05 / 42
p0 5.372e−11 ± 9.992e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

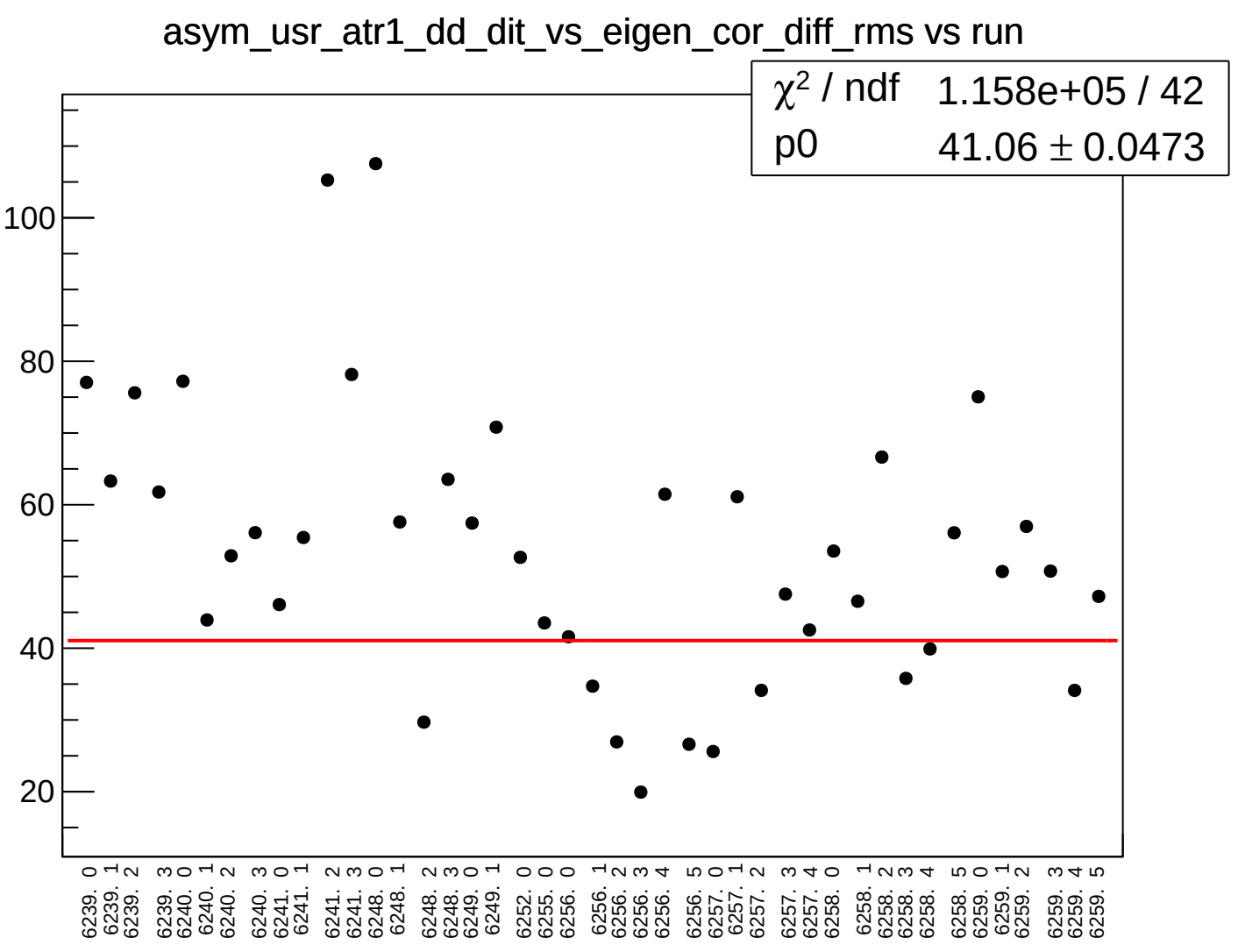

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.08429 ± 0.06689
pull
Entries 43
Mean 110.3
Std Dev 0

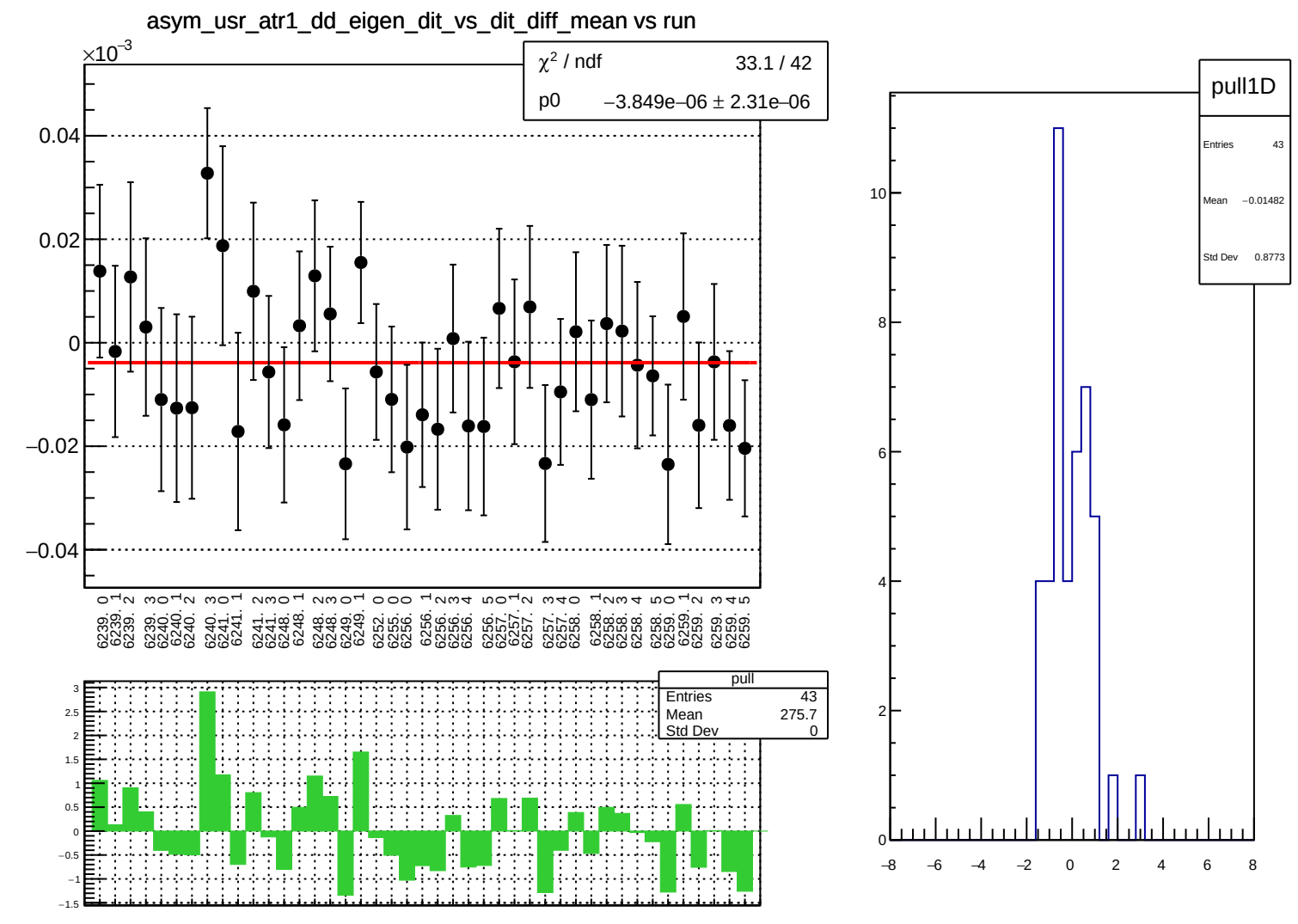

pull1D
Entries 43
Mean −0.01082
Std Dev 0.9484

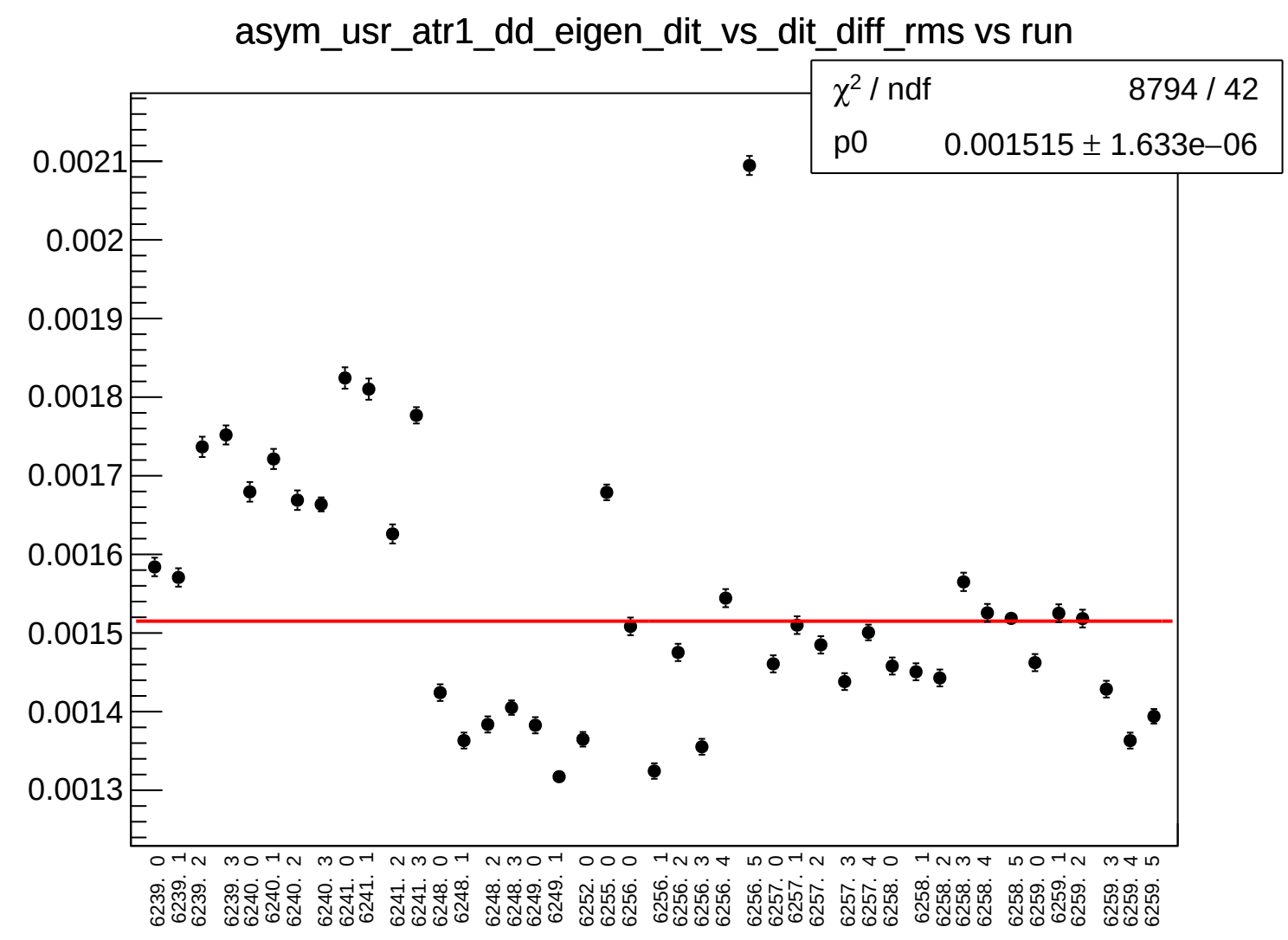

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 42
p0 41.06 ± 0.0473
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

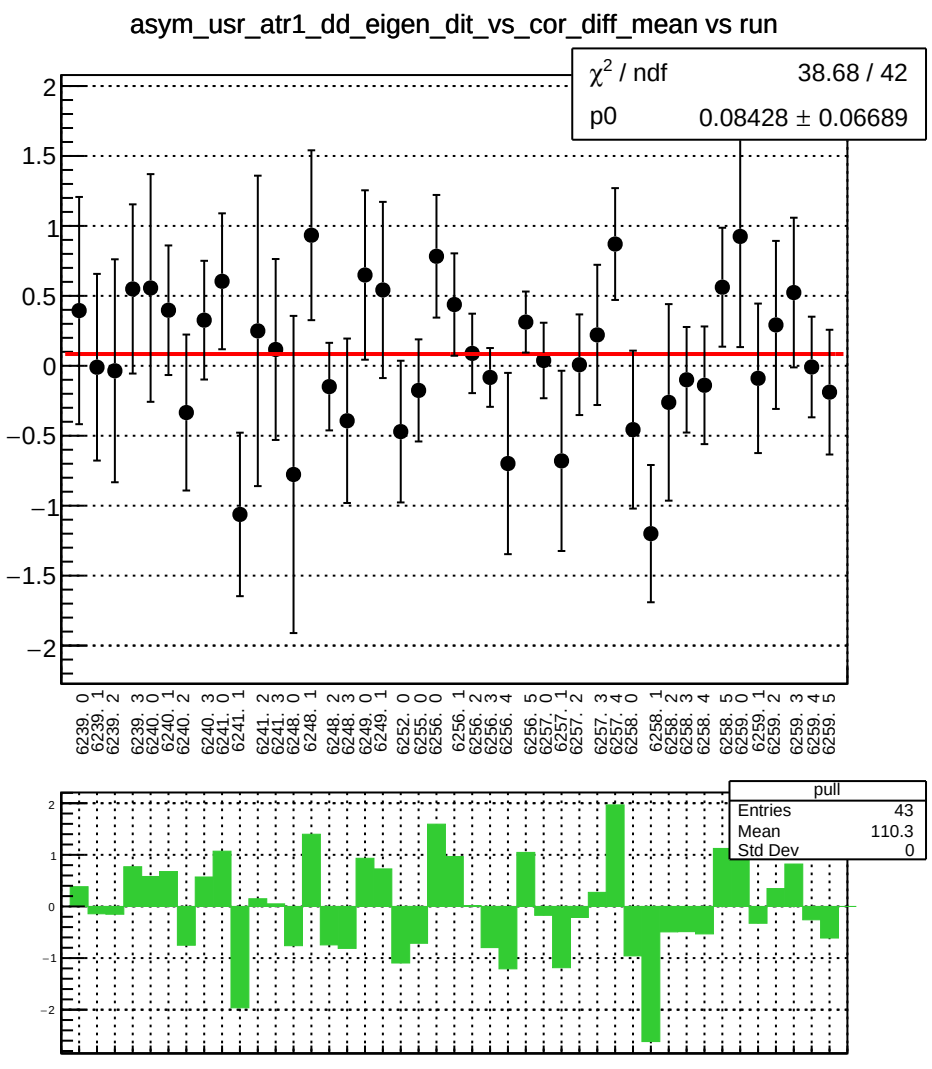

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.08429 ± 0.06689
pull
Entries 43
Mean 110.3
Std Dev 0

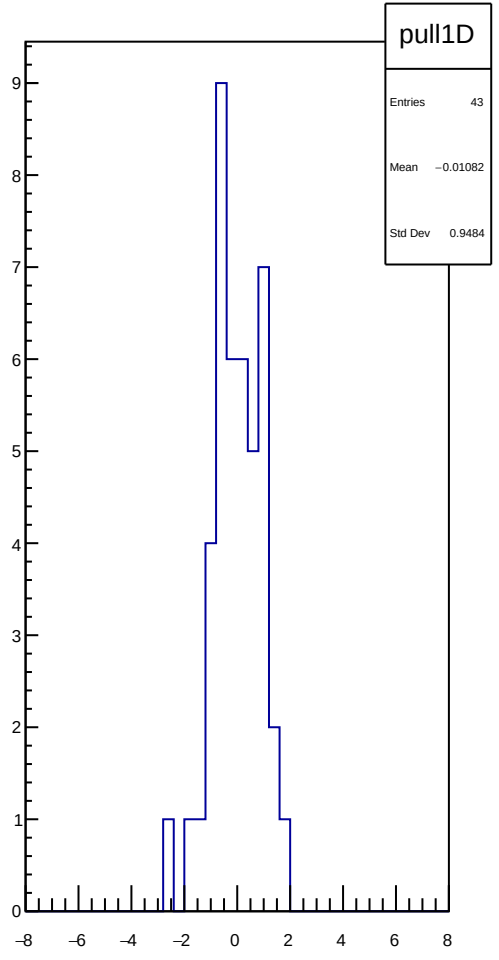

pull1D
Entries 43
Mean −0.01082
Std Dev 0.9484

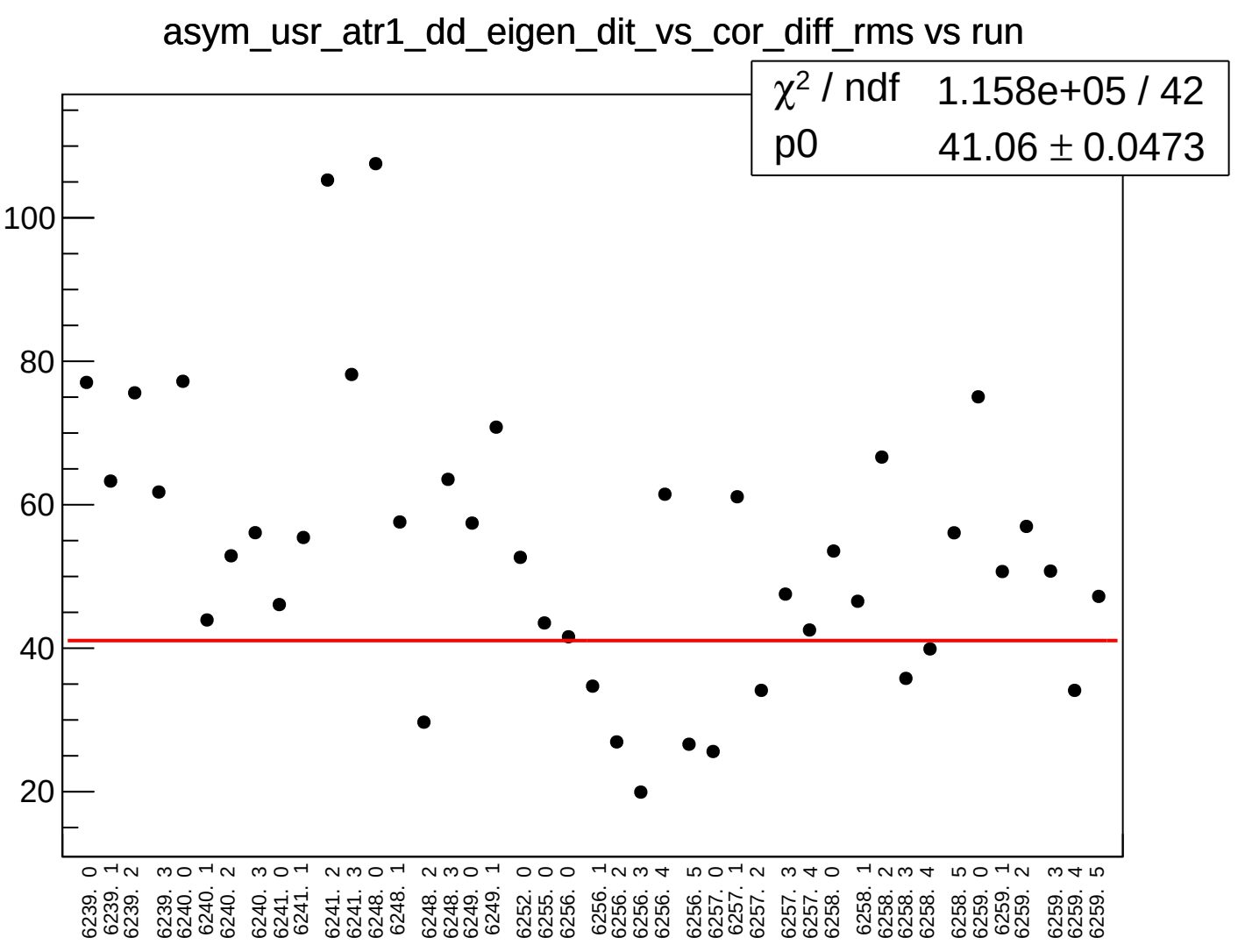

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 42
p0 41.06 ± 0.0473
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

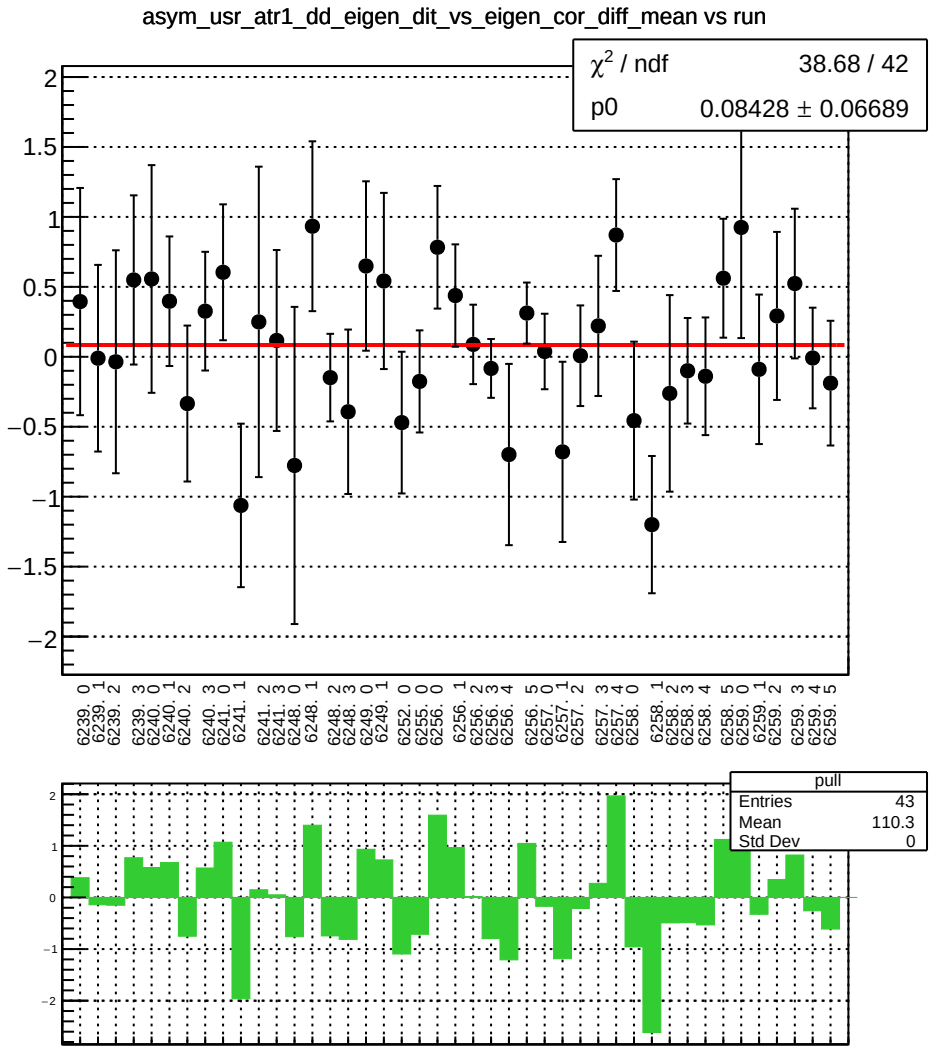

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.1 / 42
p0 −3.849e−06 ± 2.31e−06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 275.7
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01482
Std Dev 0.8773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

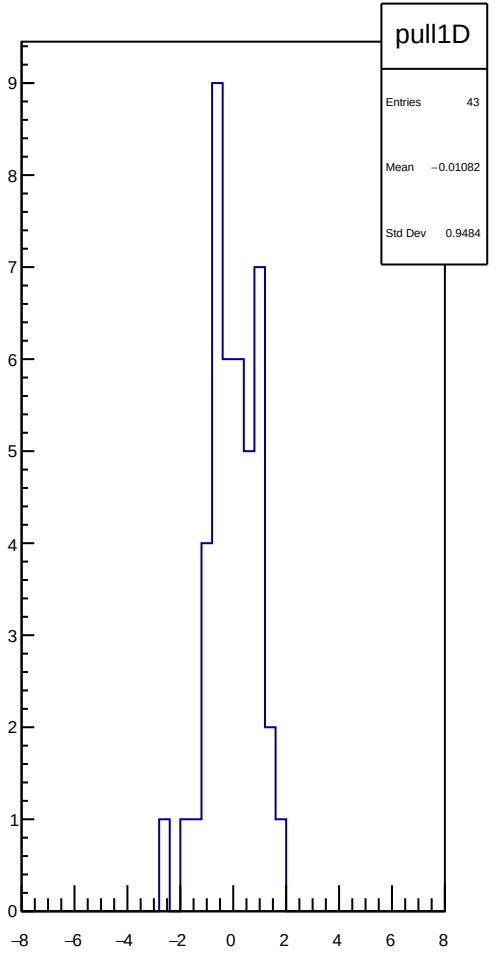

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8794 / 42
p0 0.001515 ± 1.633e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

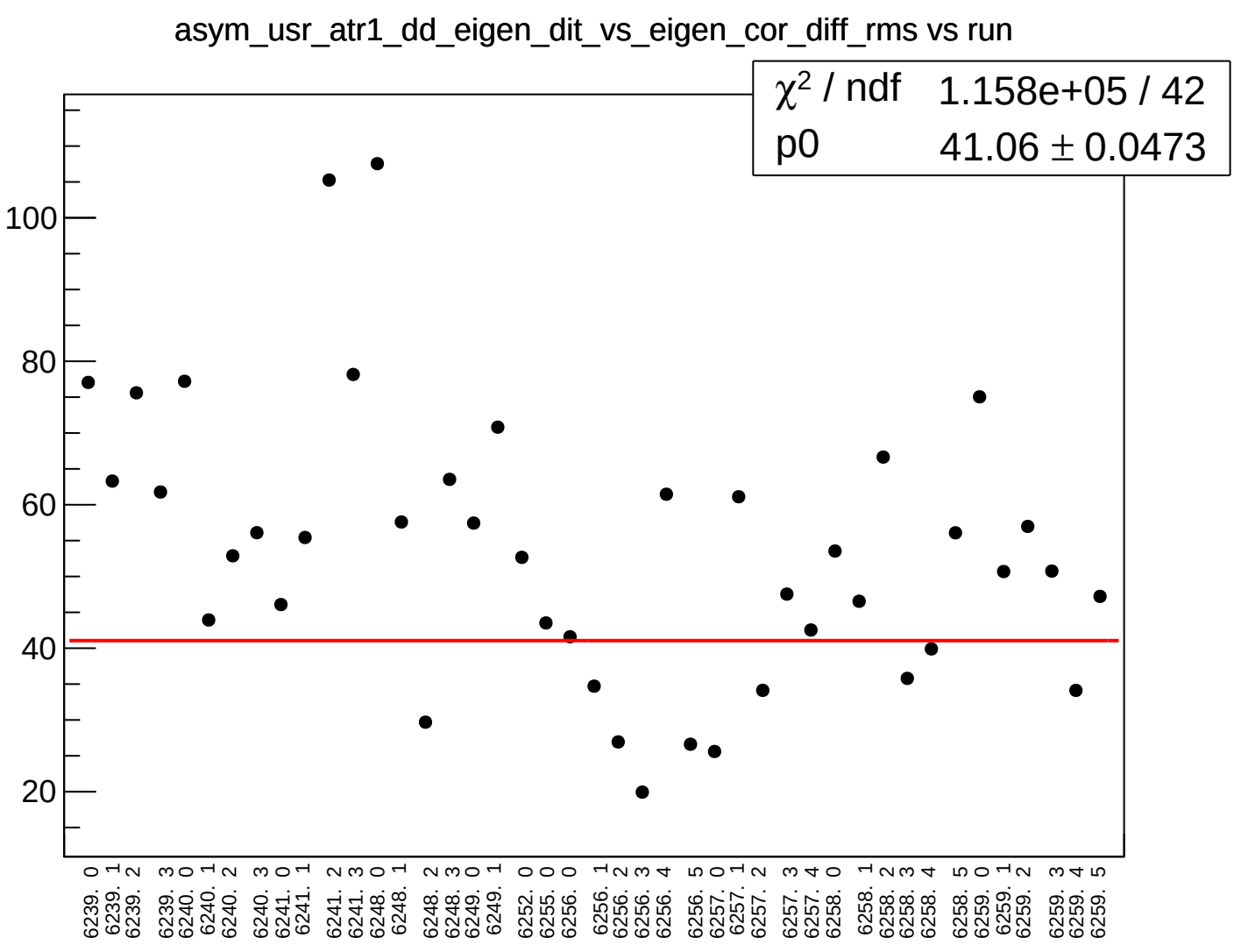

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.08428 ± 0.06689
pull
Entries 43
Mean 110.3
Std Dev 0

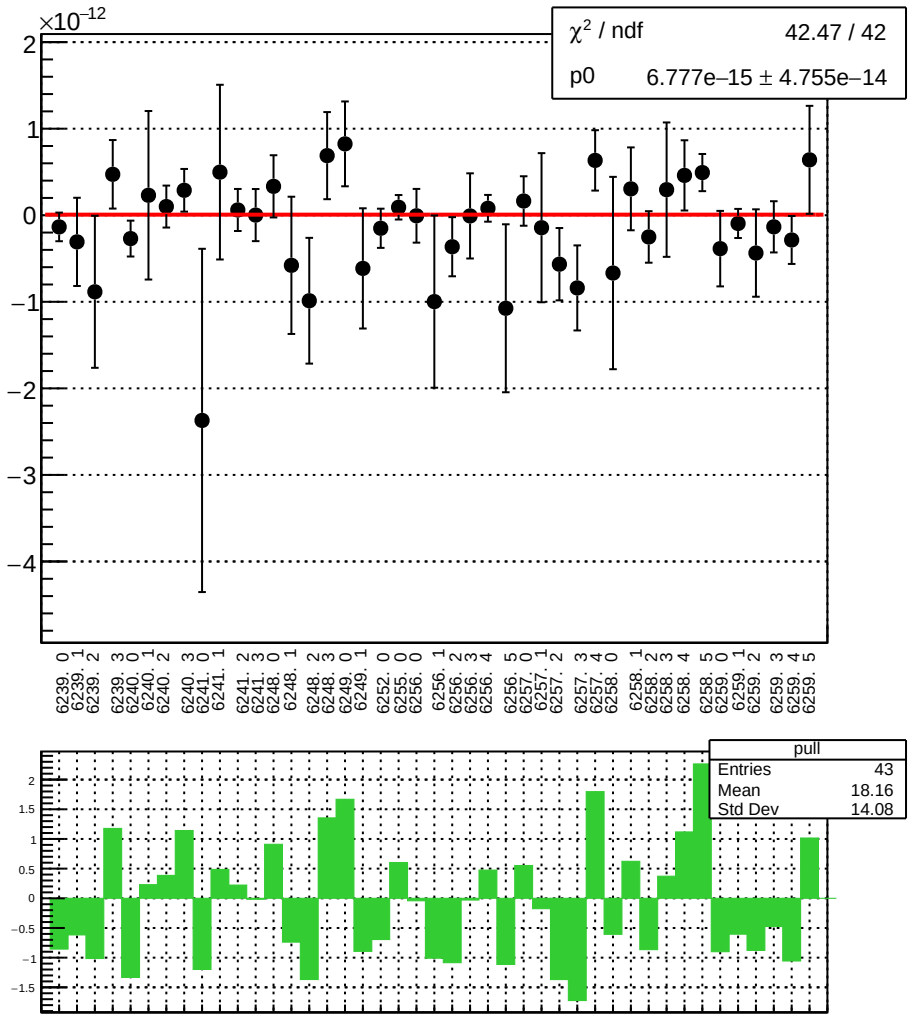

pull1D
Entries 43
Mean −0.01082
Std Dev 0.9484

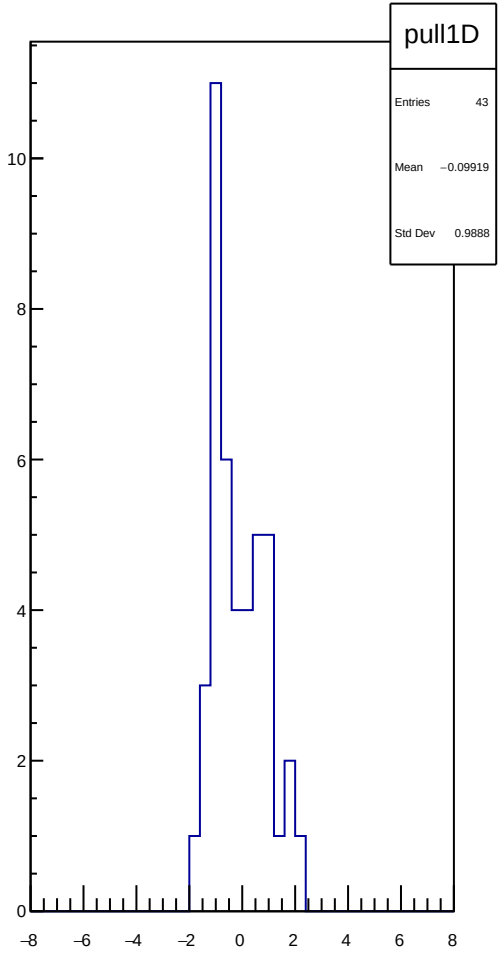

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 42
p0 41.06 ± 0.0473
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

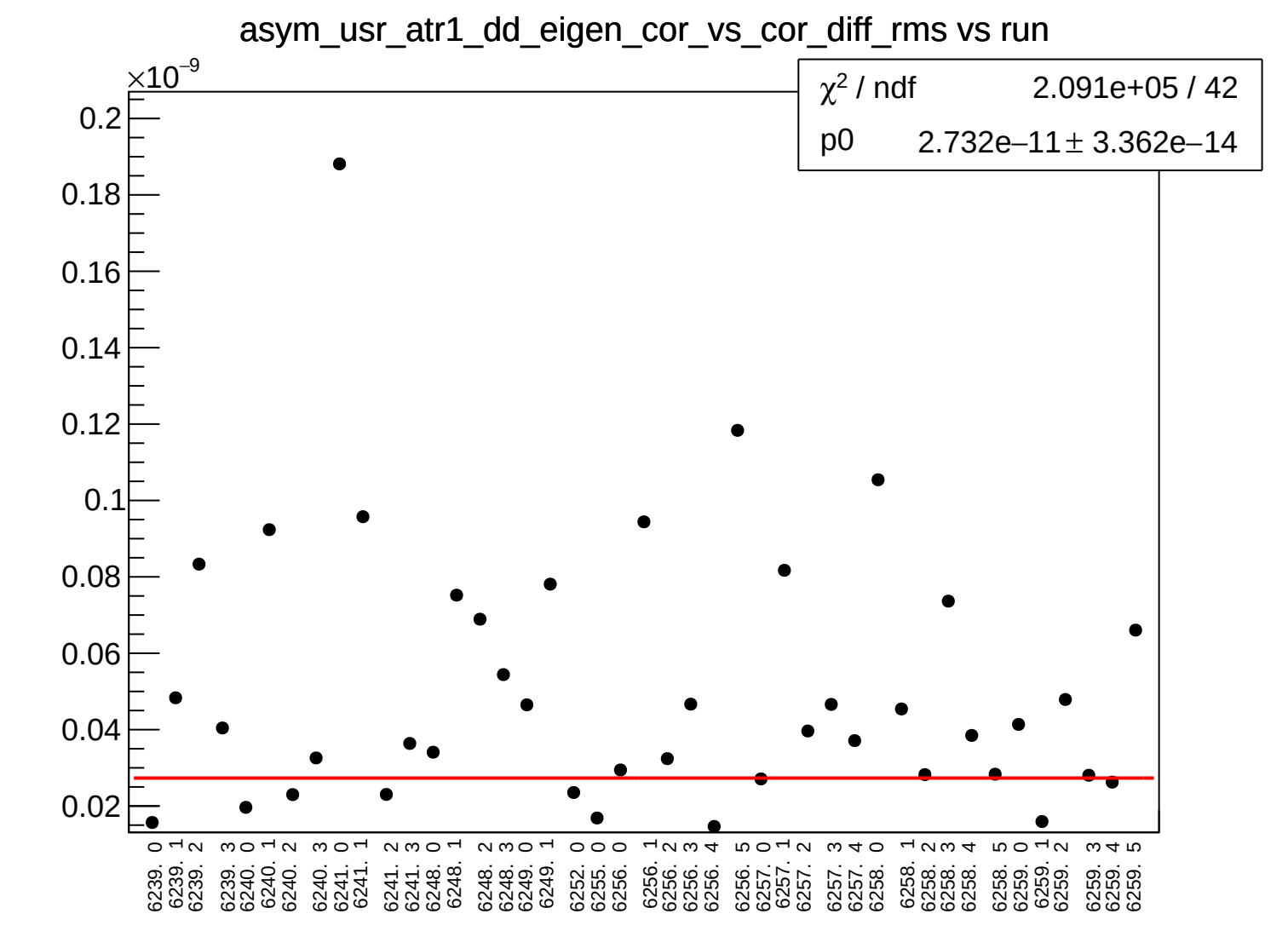

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.68 / 42
p0 0.08428 ± 0.06689
pull
Entries 43
Mean 110.3
Std Dev 0

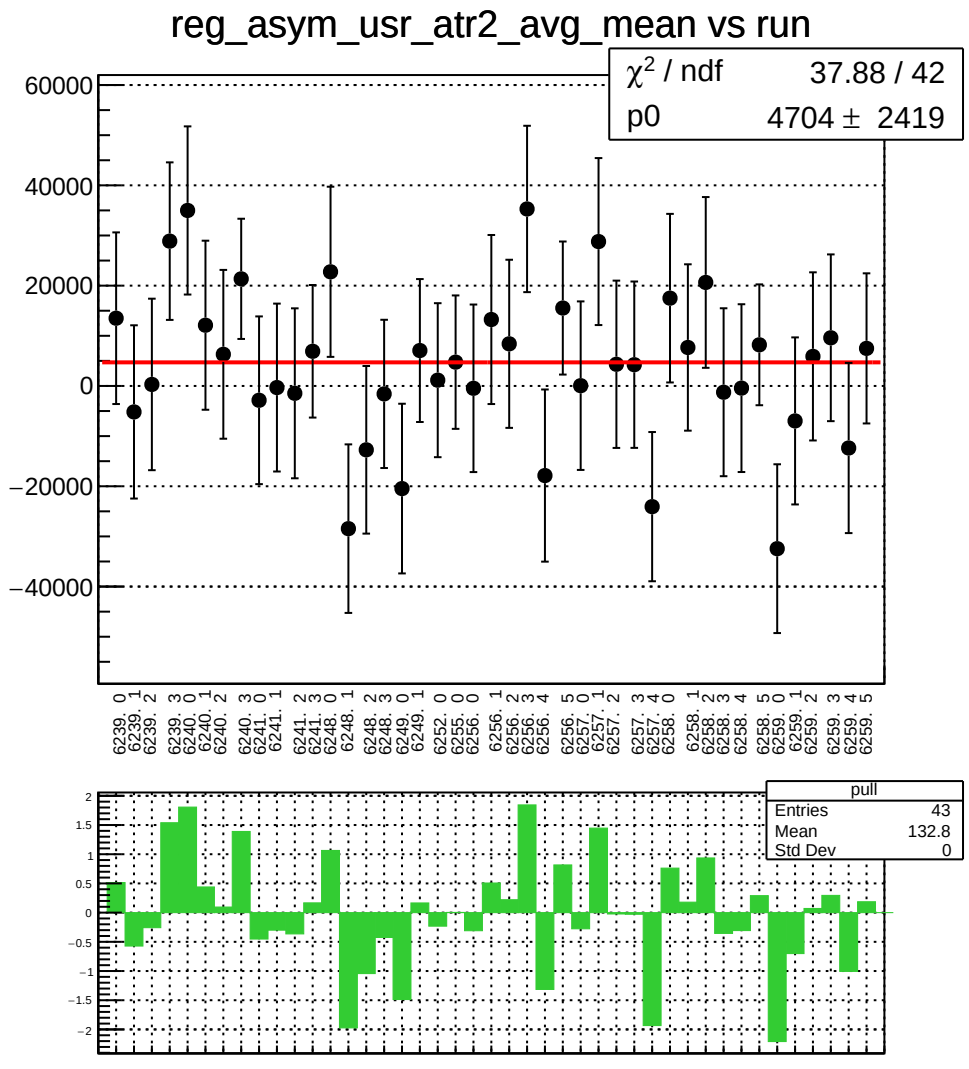

pull1D
Entries 43
Mean −0.01082
Std Dev 0.9484

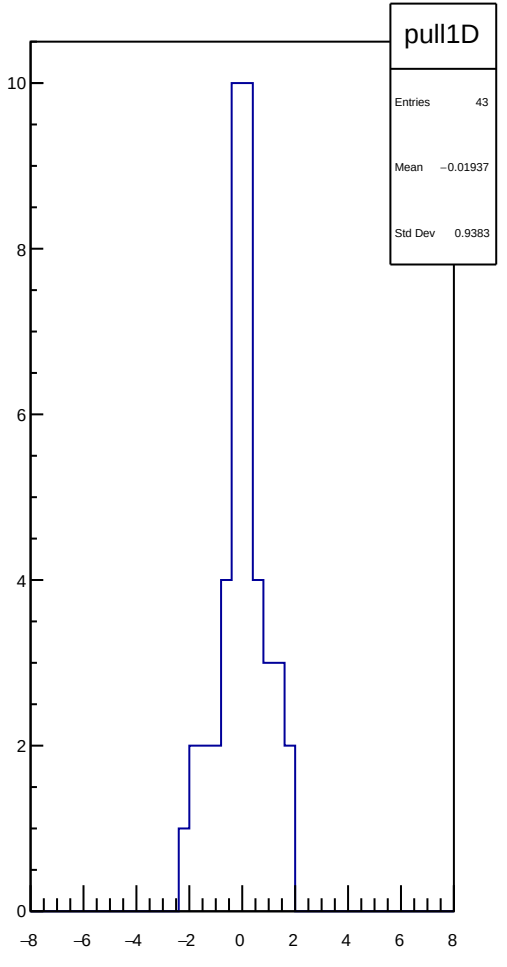

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 42
p0 41.06 ± 0.0473
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

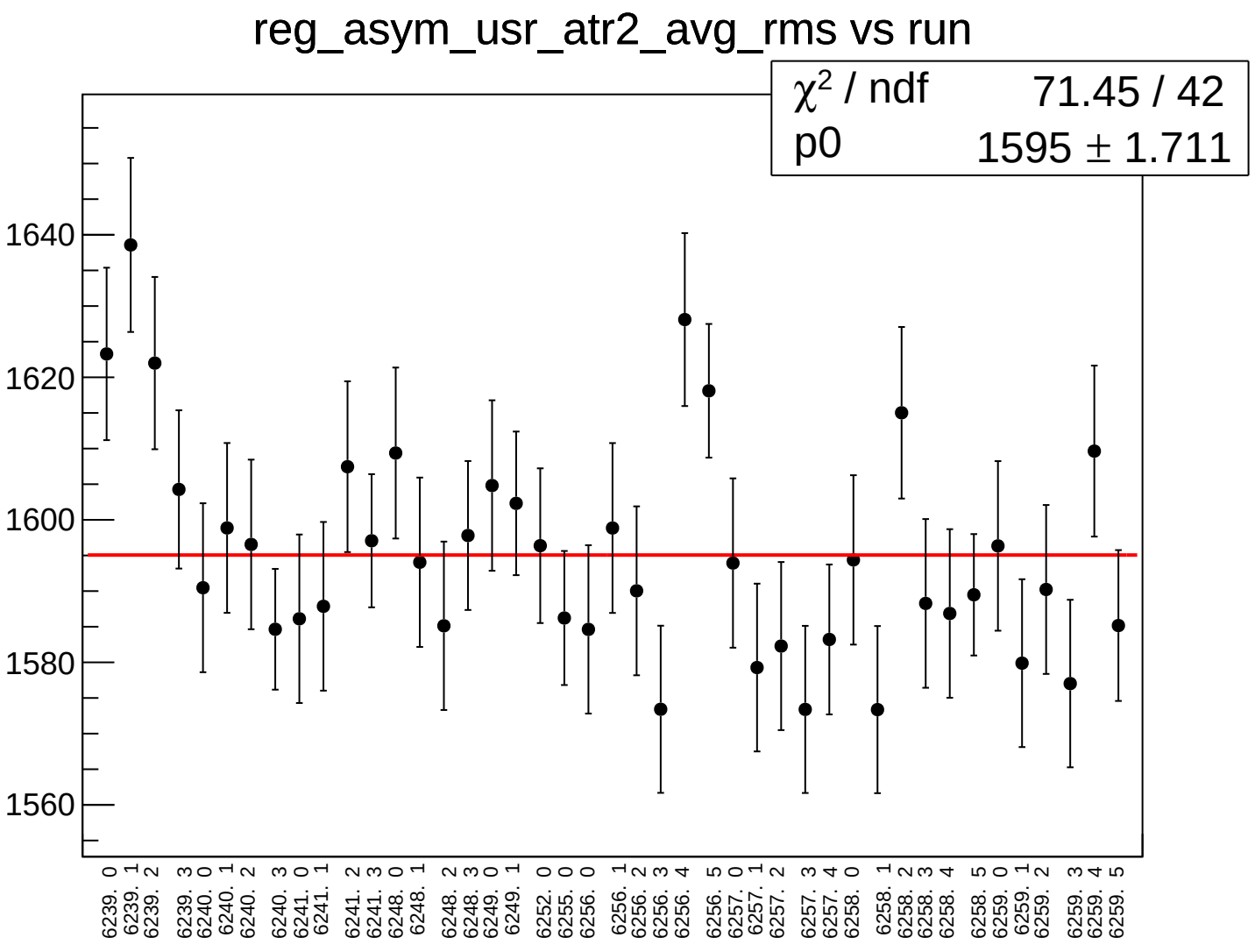

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.47 / 42
p0 6.777e−15 ± 4.755e−14
pull
Entries 43
Mean 18.16
Std Dev 14.08


pull1D
Entries 43
Mean −0.09919
Std Dev 0.9888


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.091e+05 / 42
p0 2.732e−11 ± 3.362e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 37.88 / 42
p0 4704 ± 2419
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 132.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01937
Std Dev 0.9383
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 71.45 / 42
p0 1595 ± 1.711
1640
1620
1600
1580
1560
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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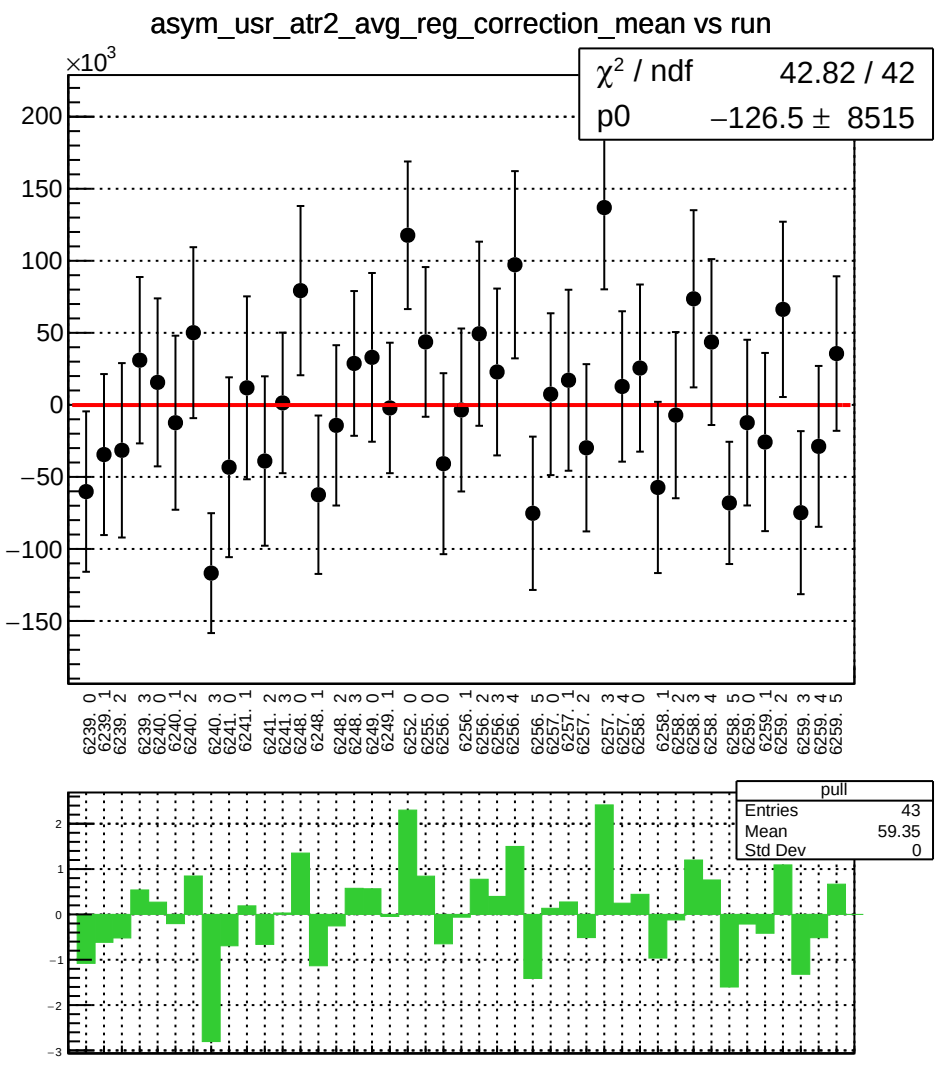
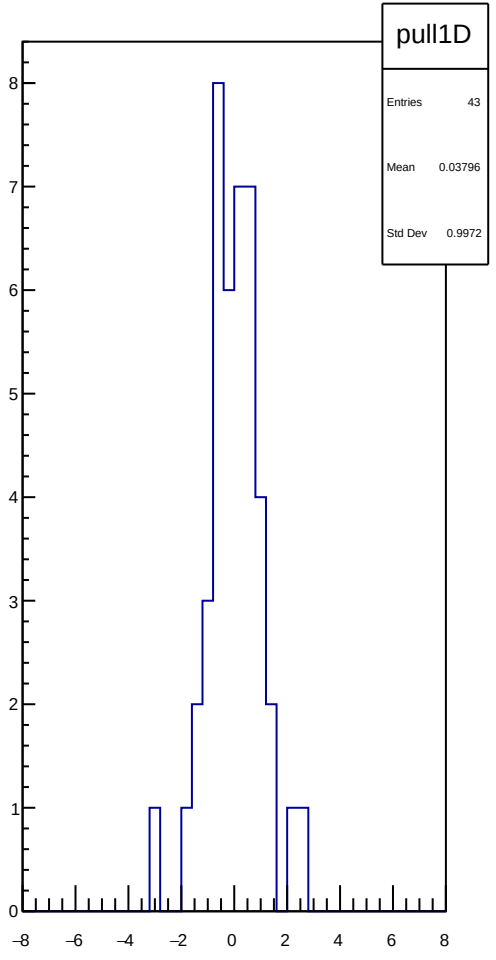
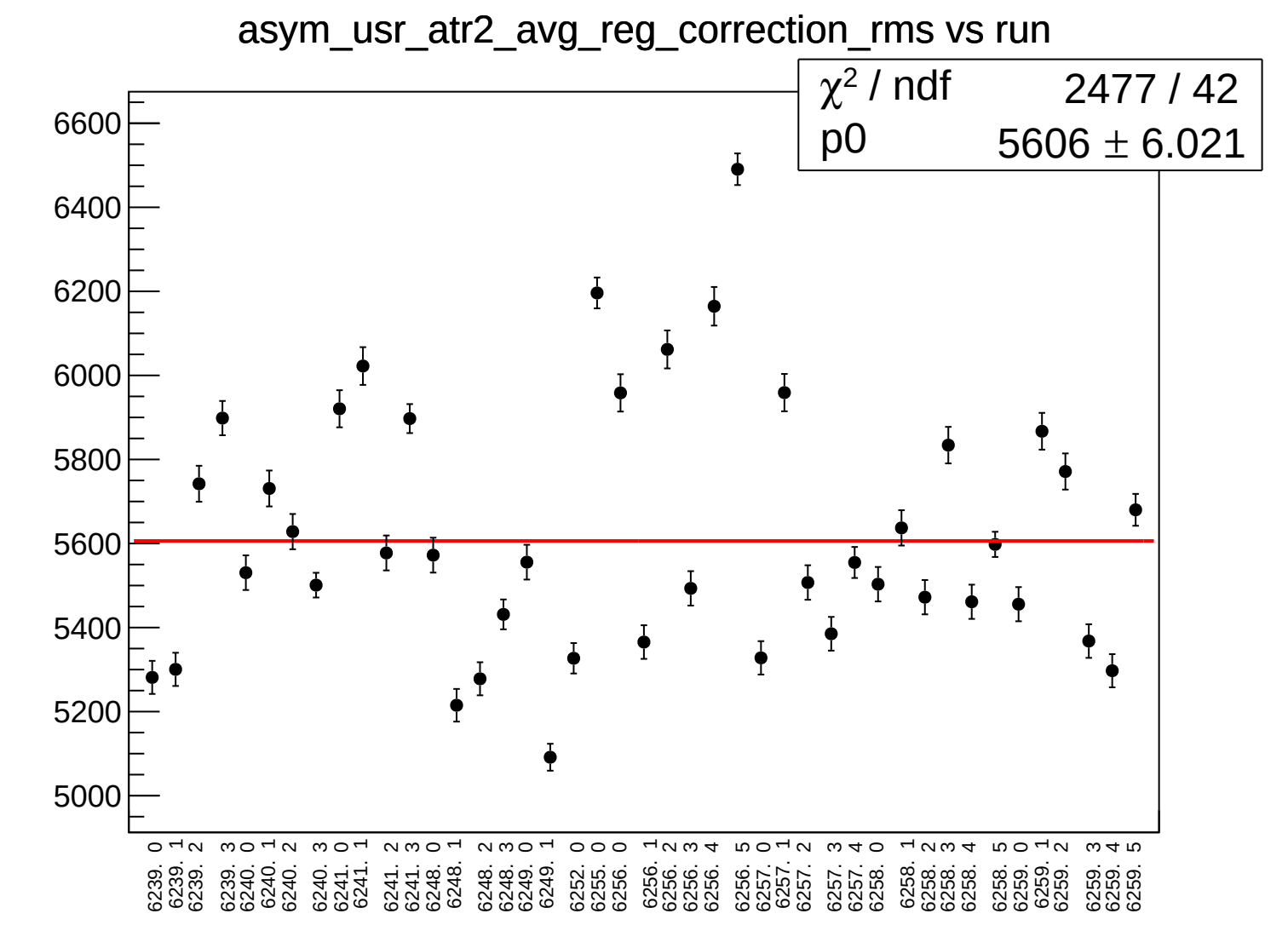
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.82 / 42
p0 −126.5 ± 8515
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.35
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03796
Std Dev 0.9972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2477 / 42
p0 5606 ± 6.021
6600
6400
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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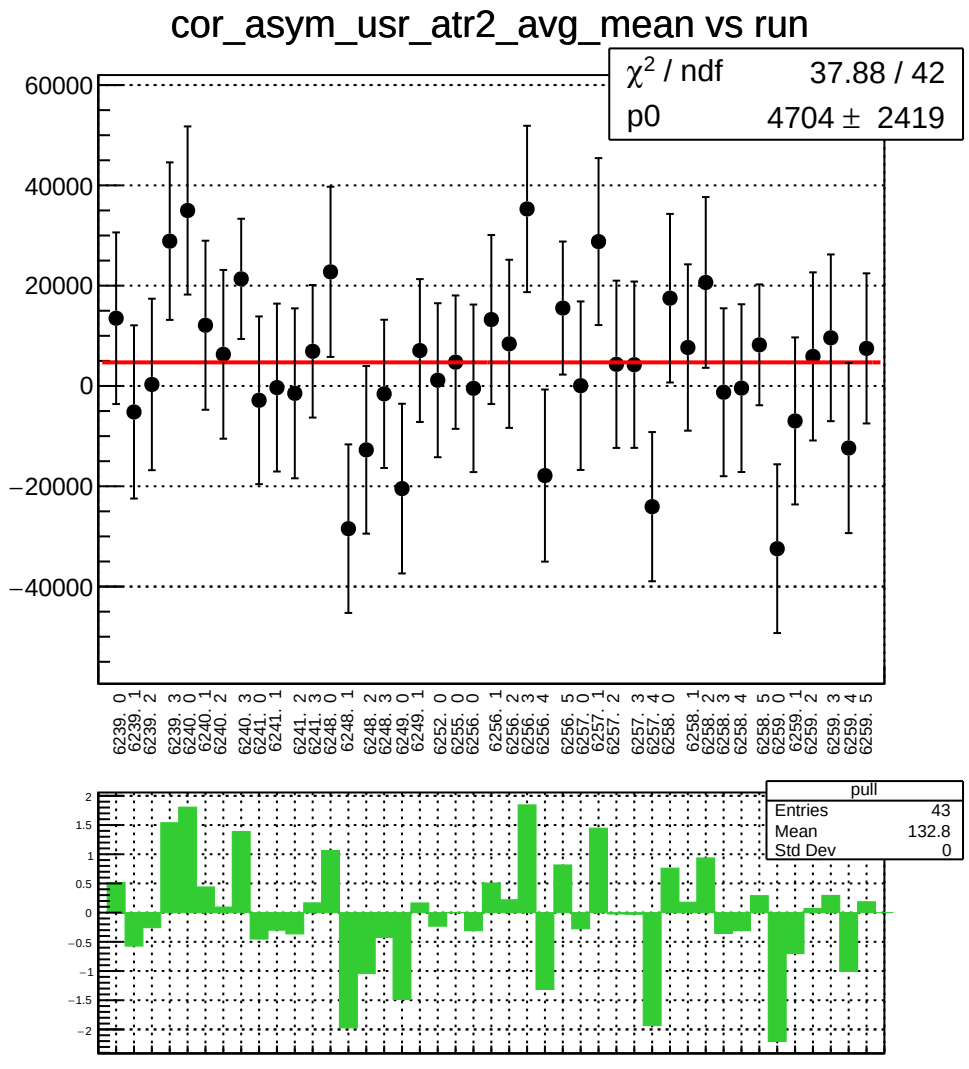
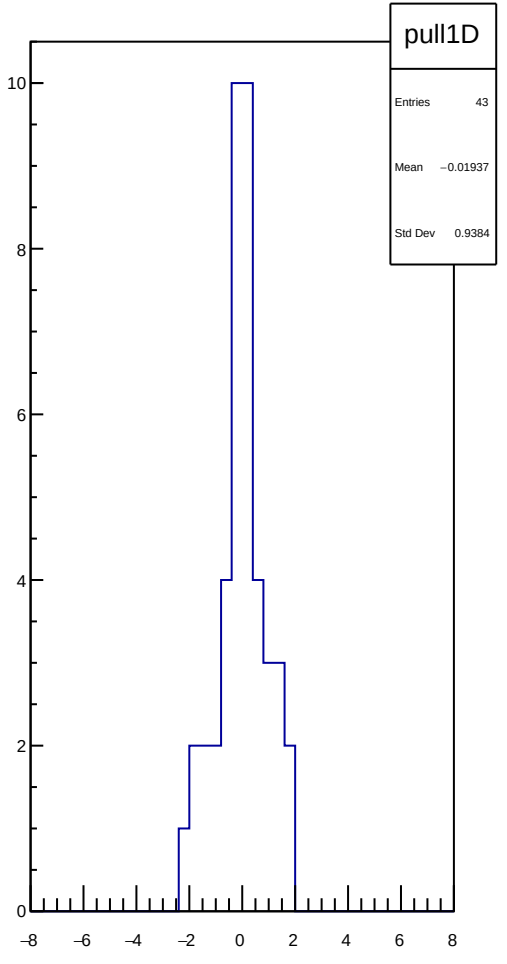
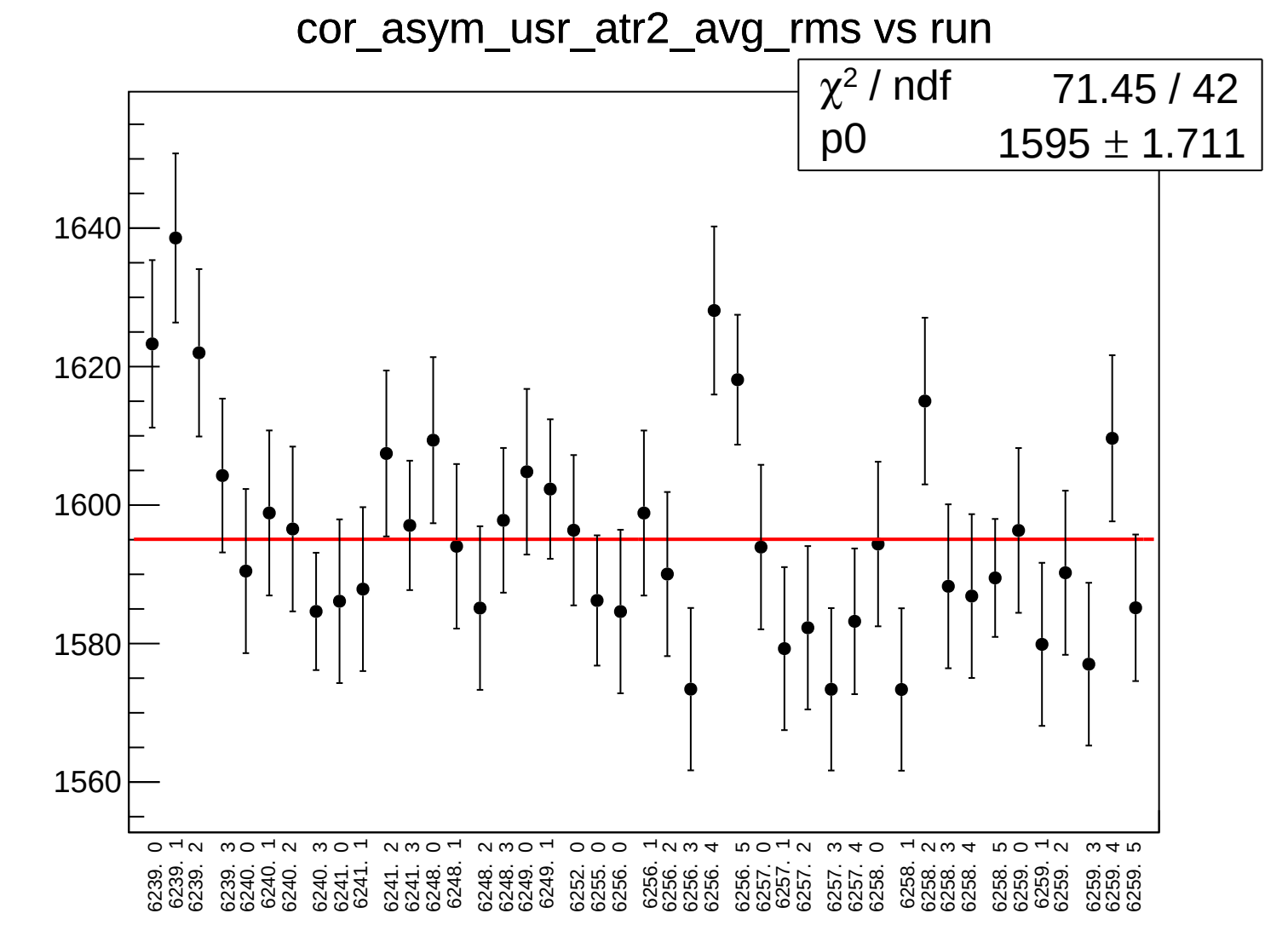
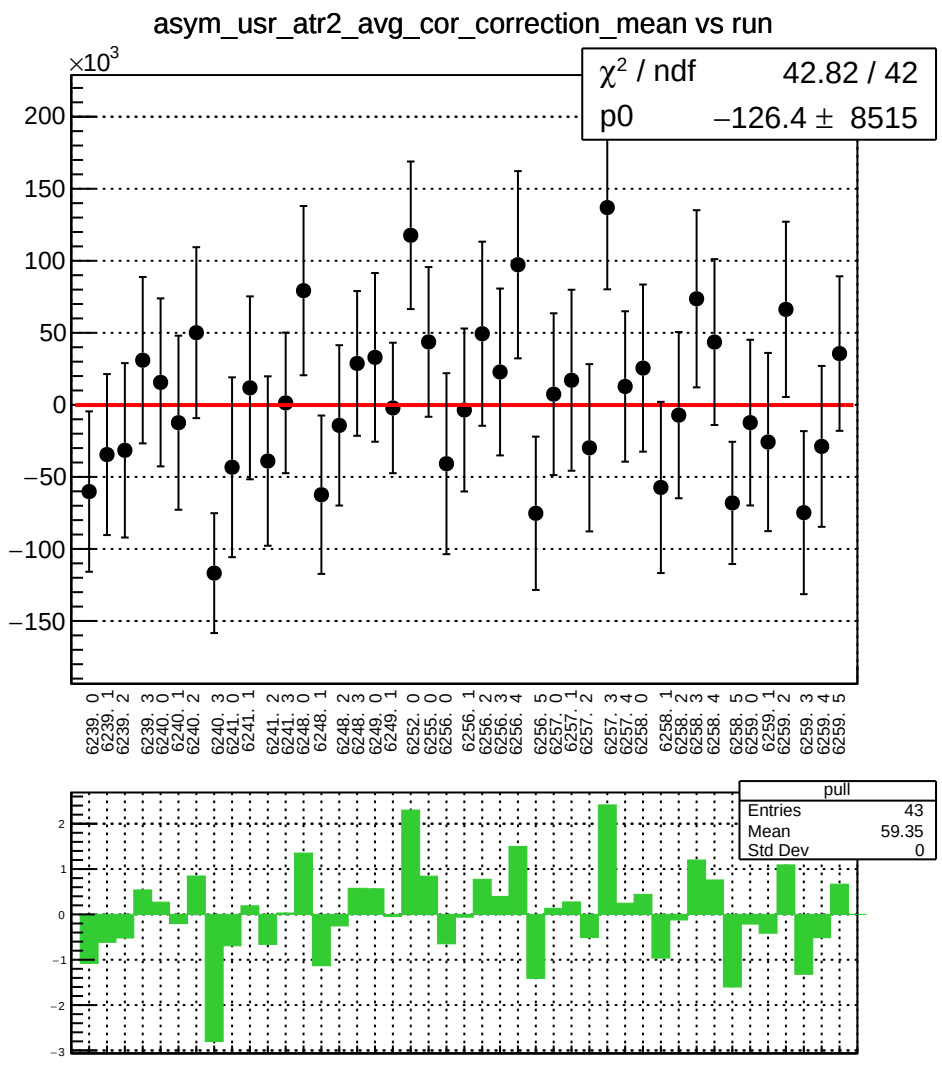
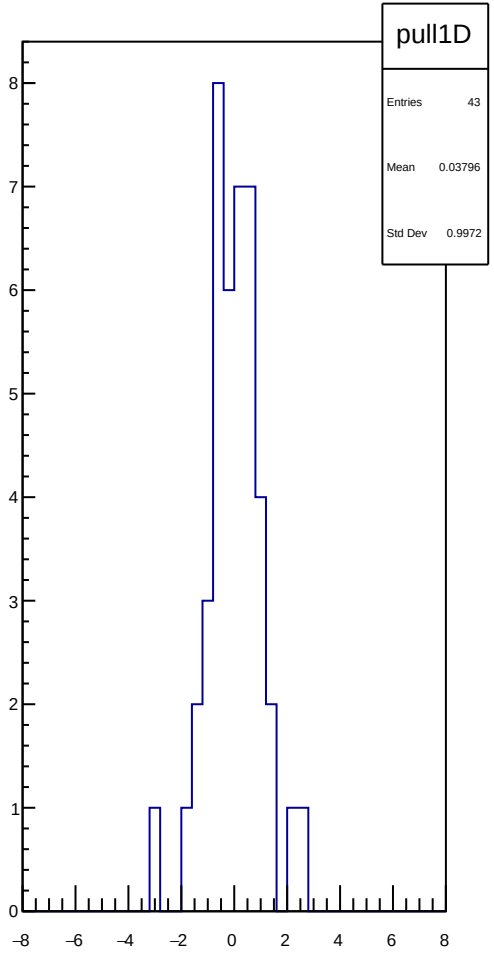
6259. 2
6259. 3
6259. 4
6259. 5

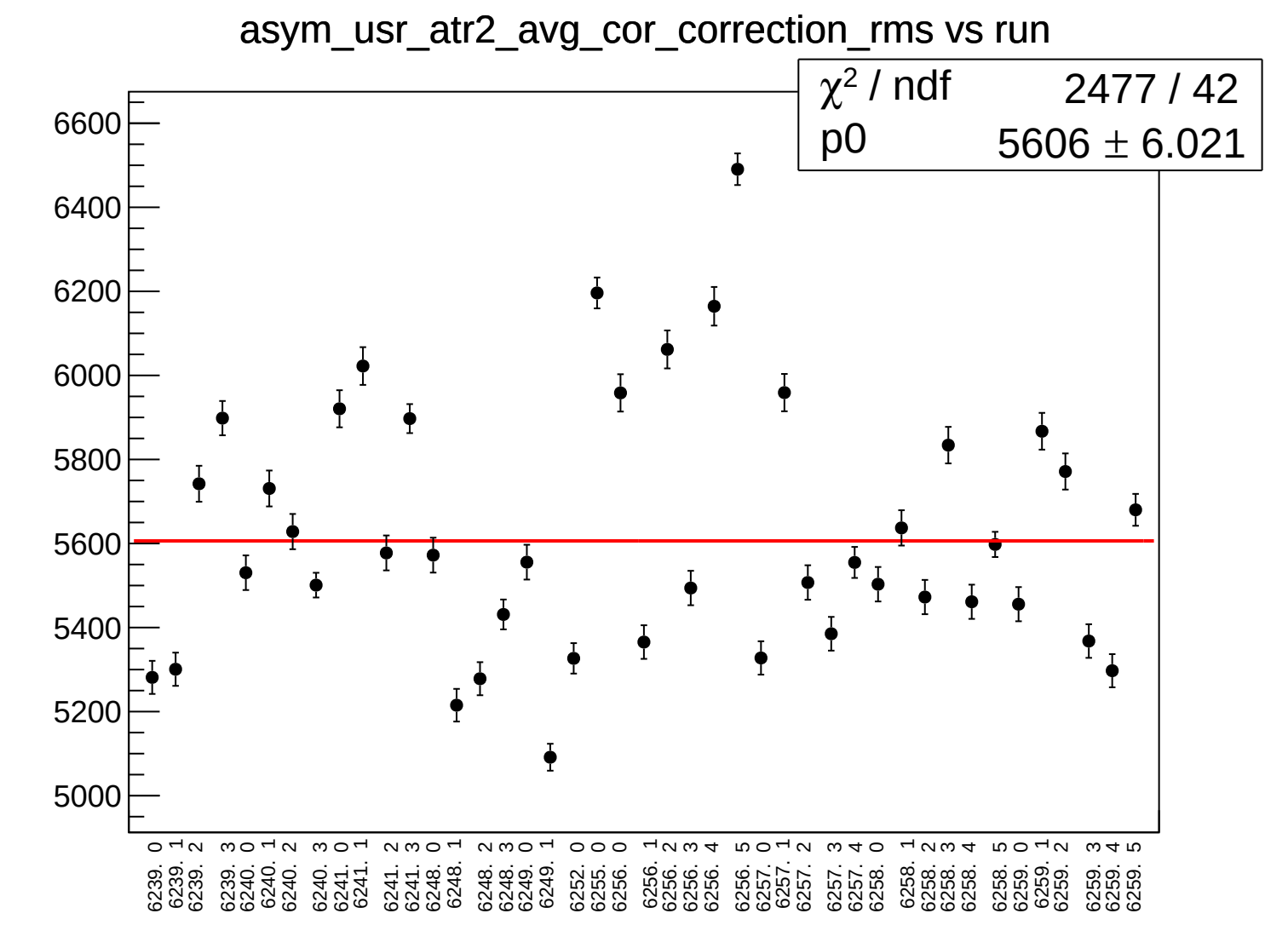

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 37.88 / 42
p0 4704 ± 2419
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 132.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

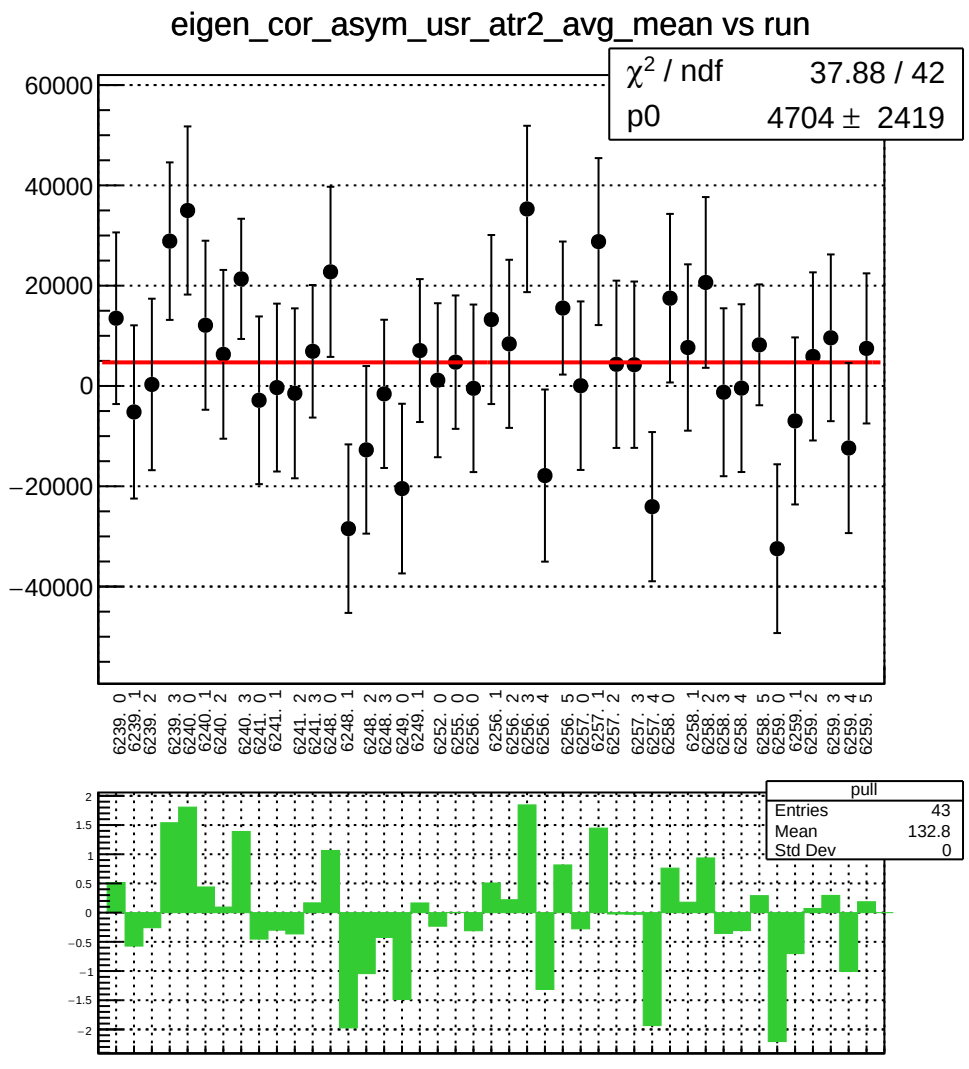

pull1D
Entries 43
Mean −0.01937
Std Dev 0.9384
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

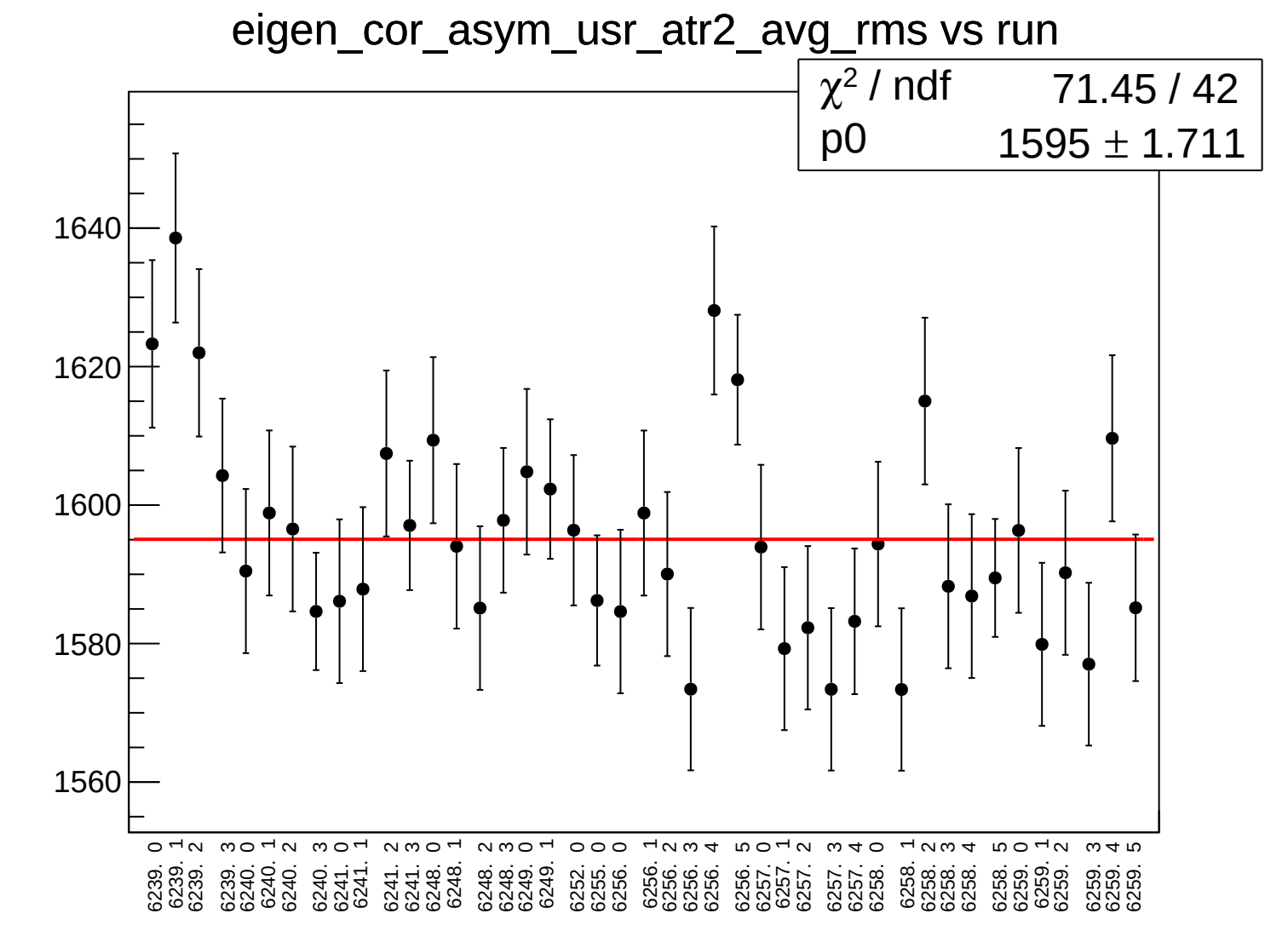

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 71.45 / 42
p0 1595 ± 1.711
1640
1620
1600
1580
1560
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.82 / 42
p0 −126.4 ± 8515
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.35
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03796
Std Dev 0.9972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2477 / 42
p0 5606 ± 6.021
6600
6400
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 37.88 / 42
p0 4704 ± 2419
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 132.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01937
Std Dev 0.9384
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 71.45 / 42
p0 1595 ± 1.711
1640
1620
1600
1580
1560
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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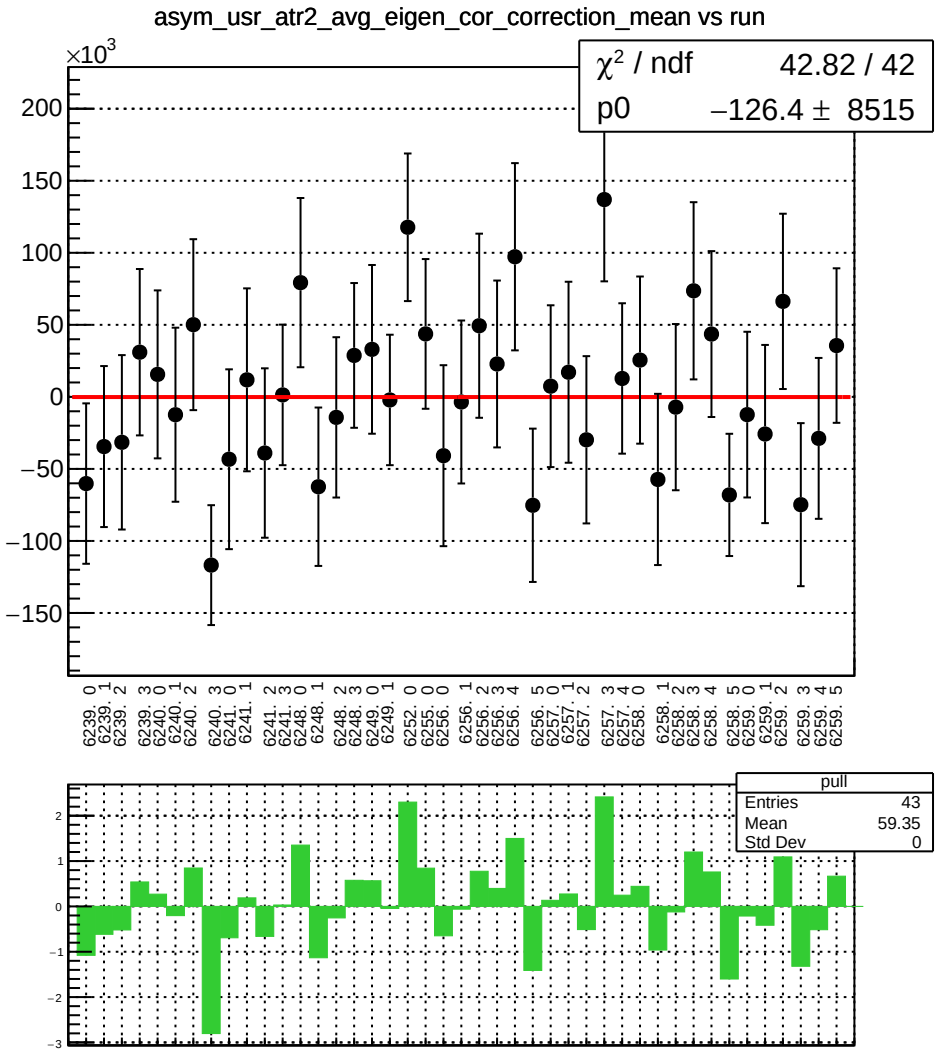
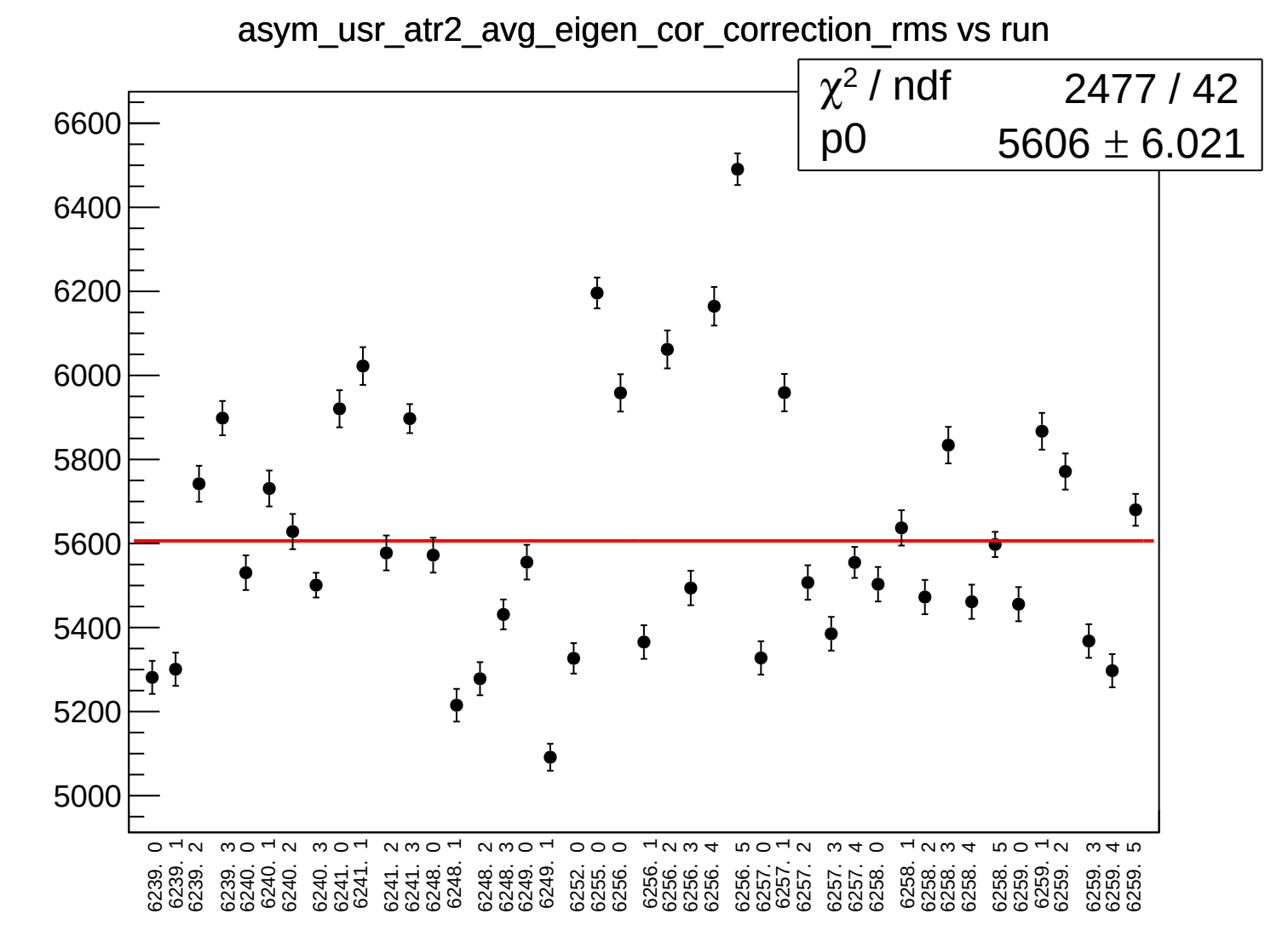
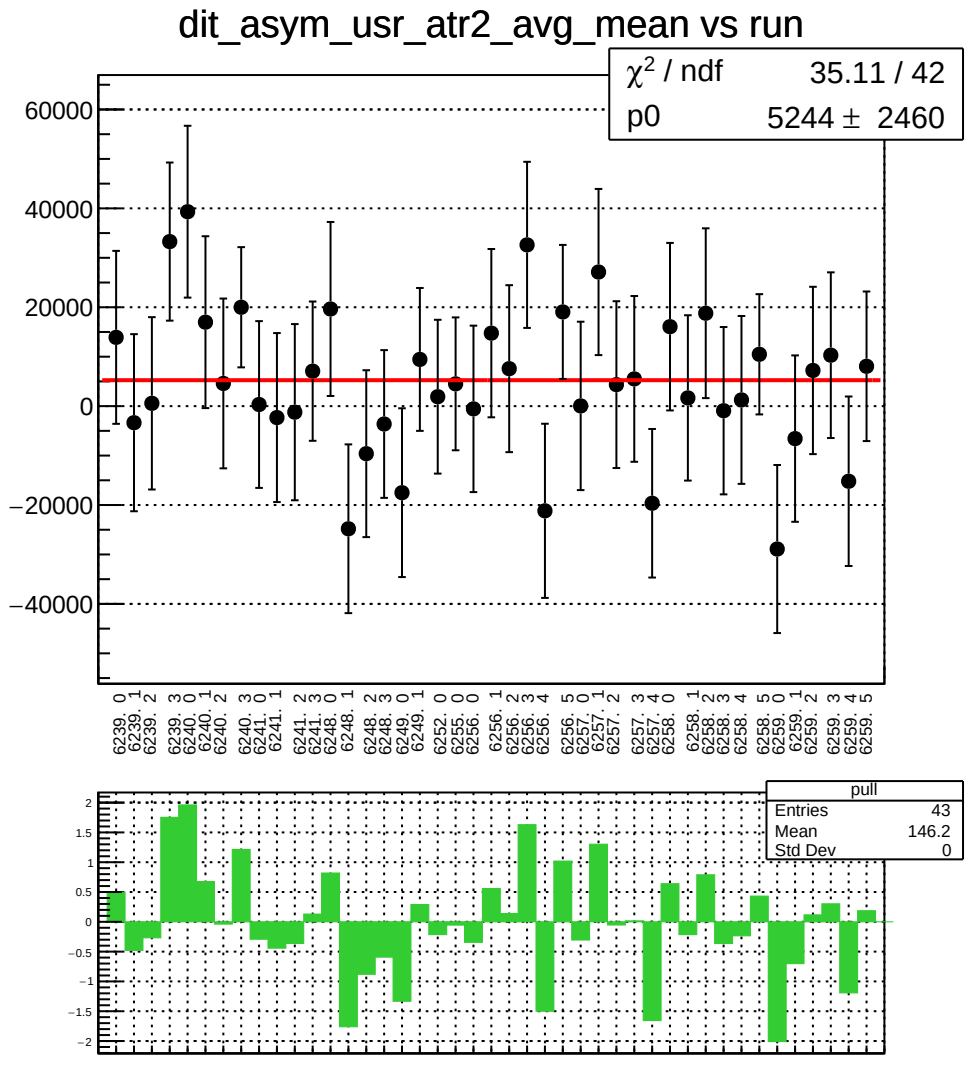
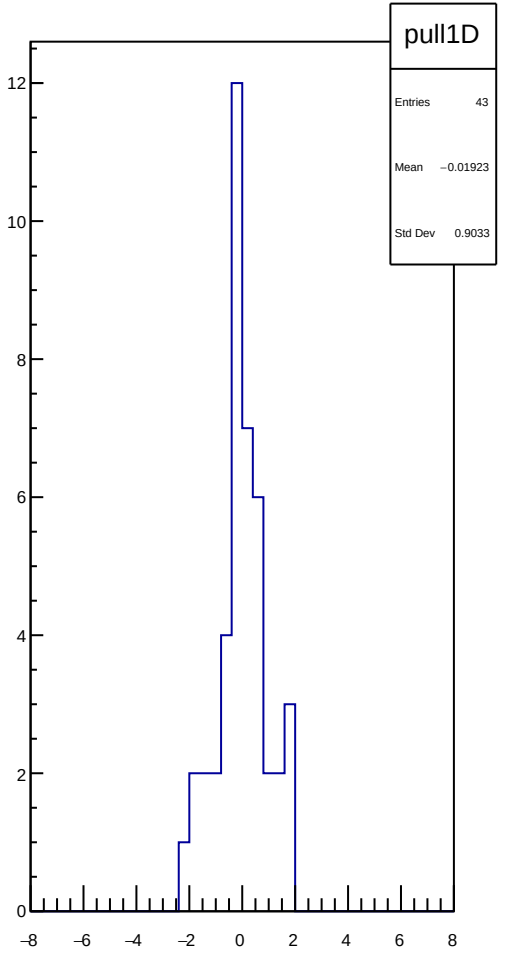
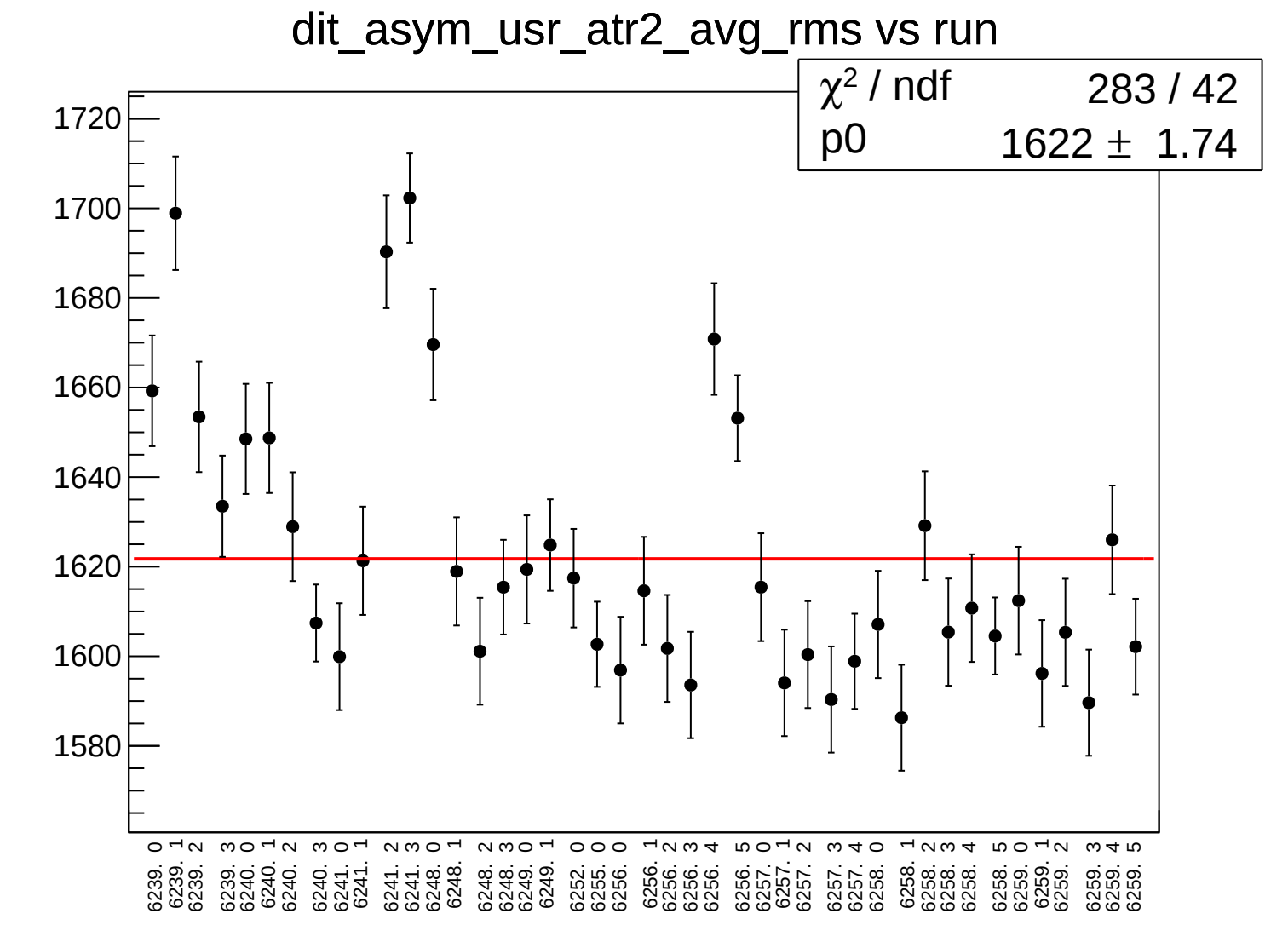
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.82 / 42
p0 −126.4 ± 8515
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.35
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03796
Std Dev 0.9972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2477 / 42
p0 5606 ± 6.021
6600
6400
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 35.11 / 42
p0 5244 ± 2460
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 146.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01923
Std Dev 0.9033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 283 / 42
p0 1622 ± 1.74
1720
1700
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
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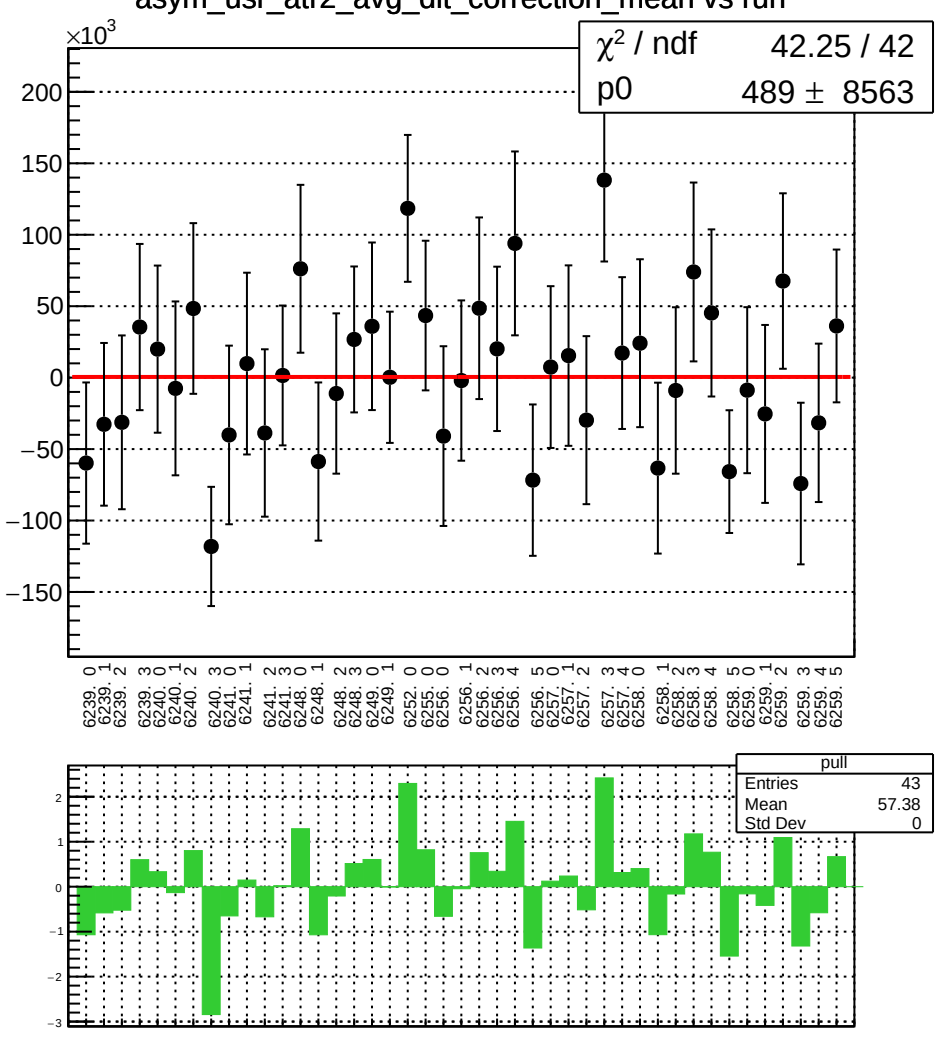
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 42.25 / 42
p0 489 ± 8563
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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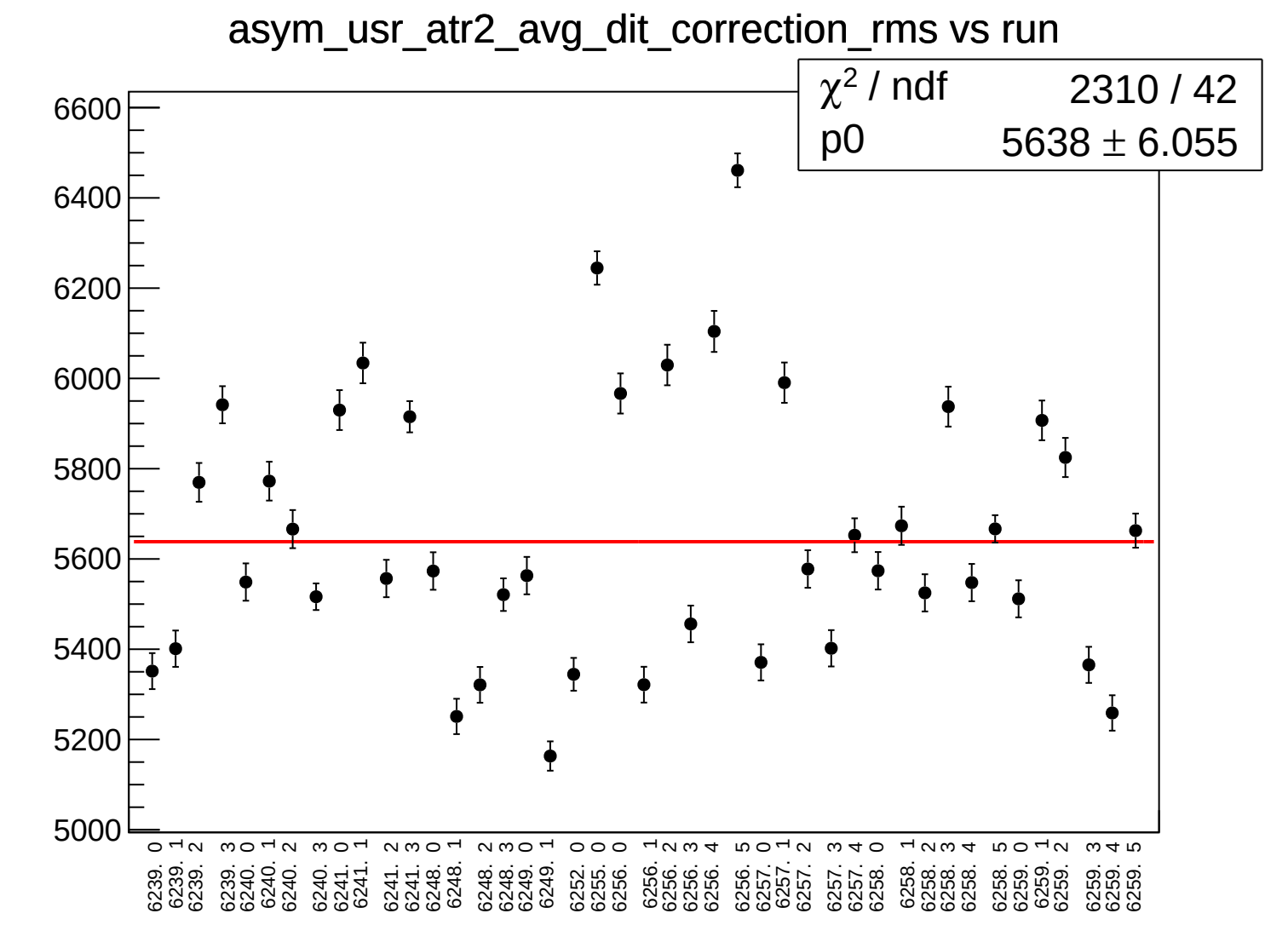
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.38
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03712
Std Dev 0.9905
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 2310 / 42
p0 5638 ± 6.055
6600
6400
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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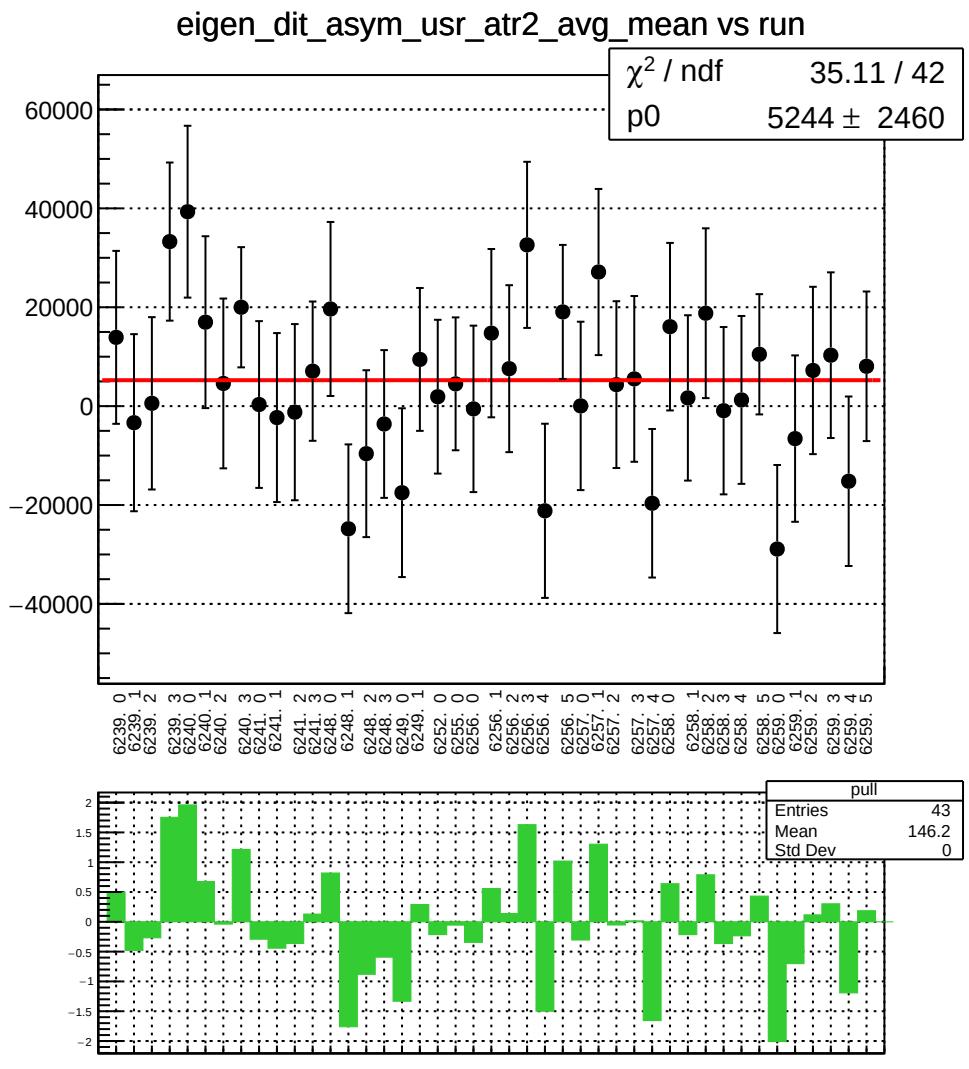
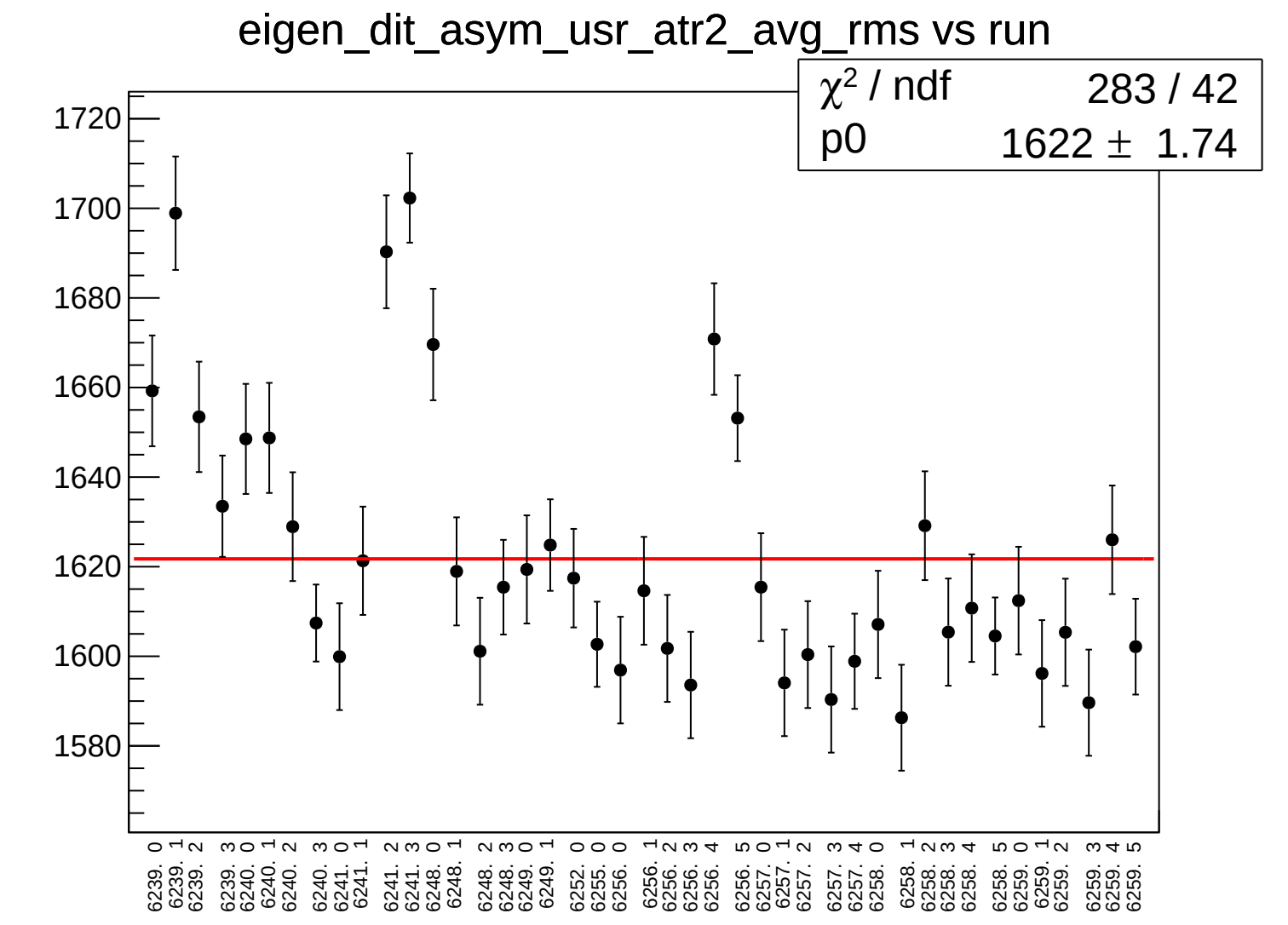
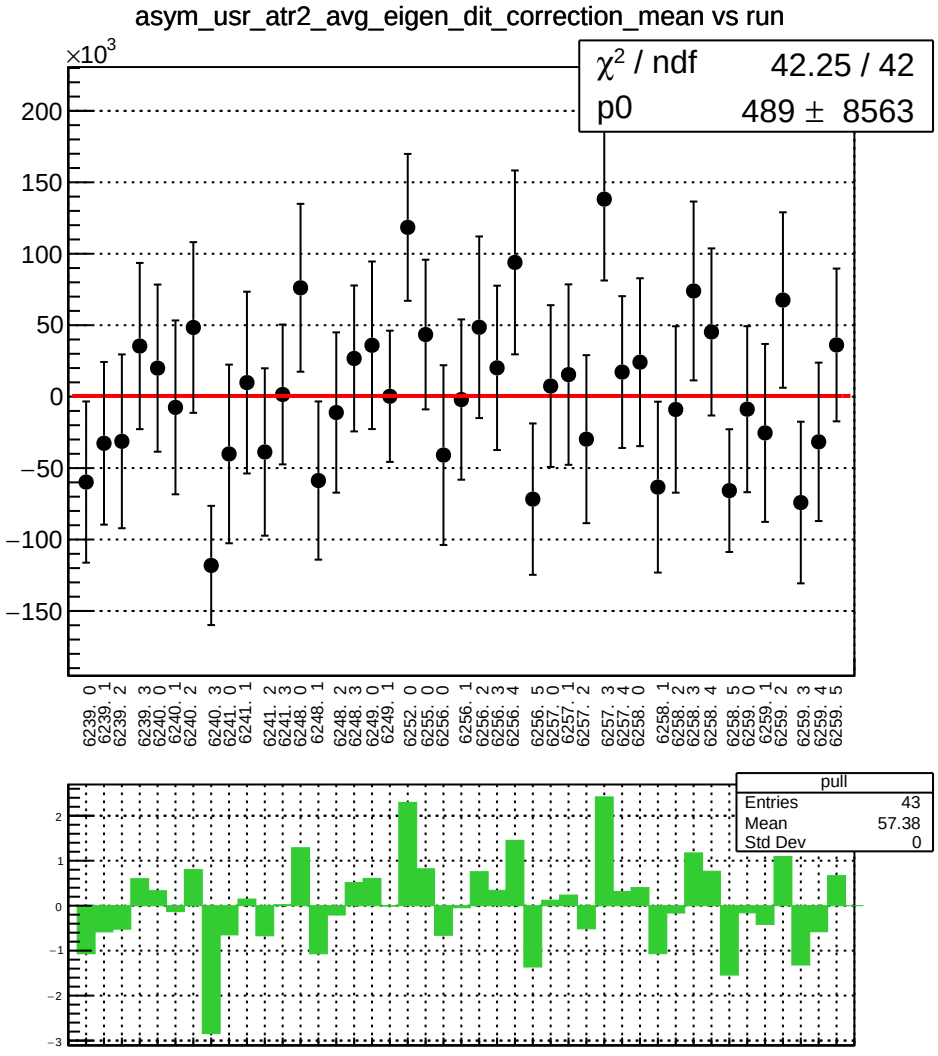
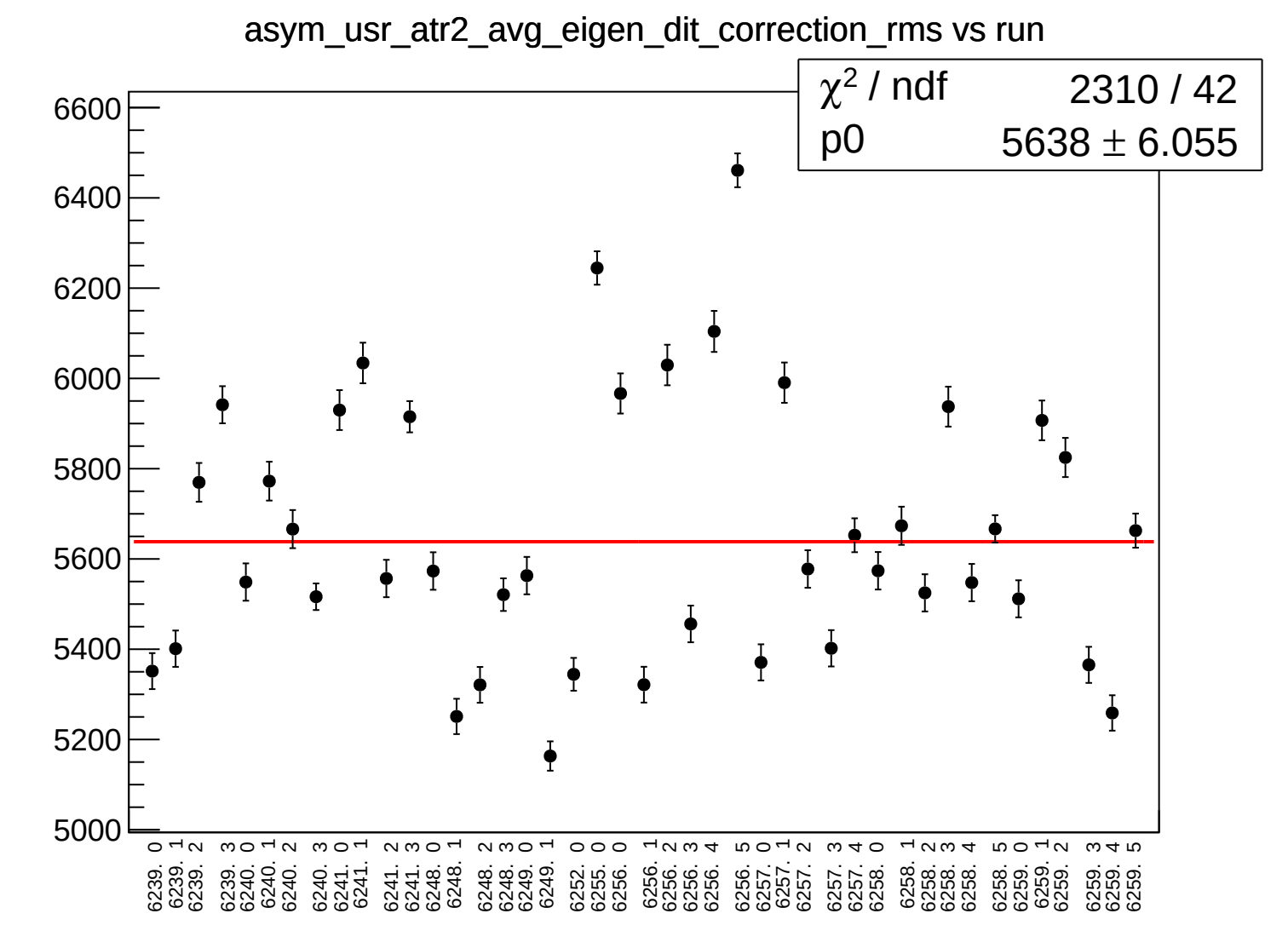
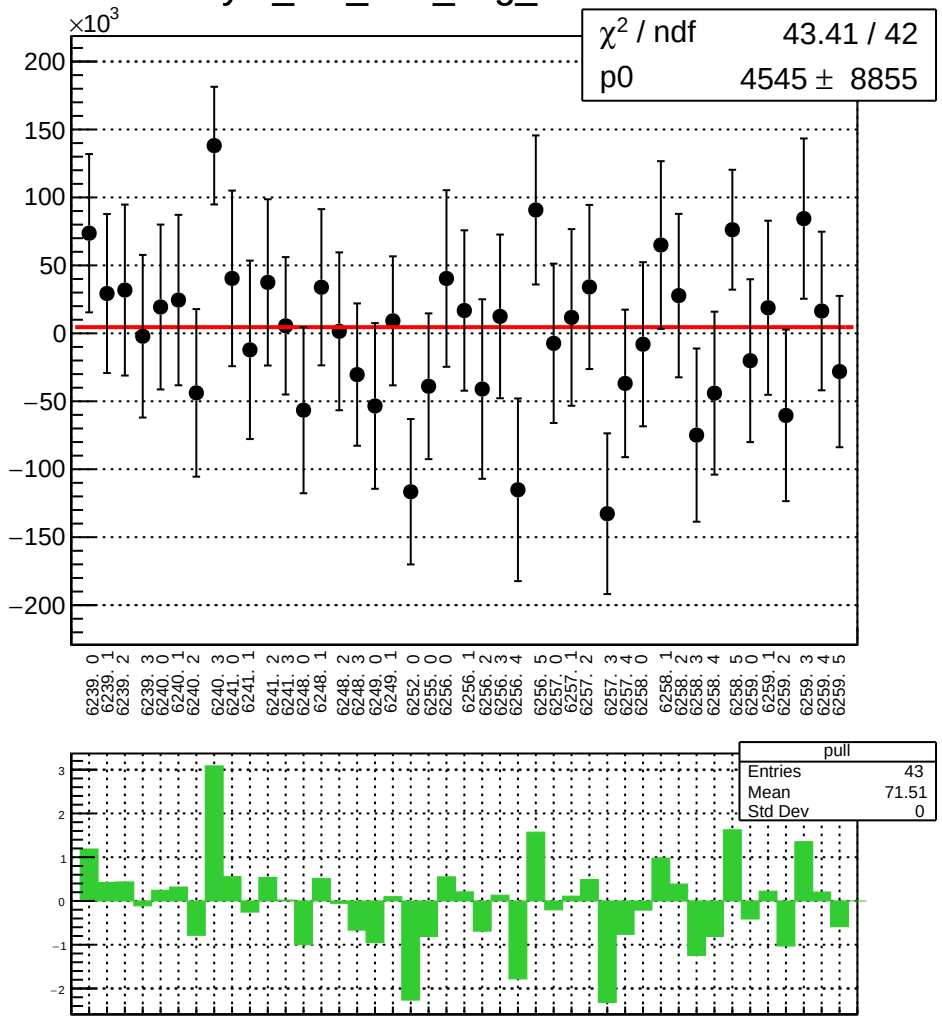
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

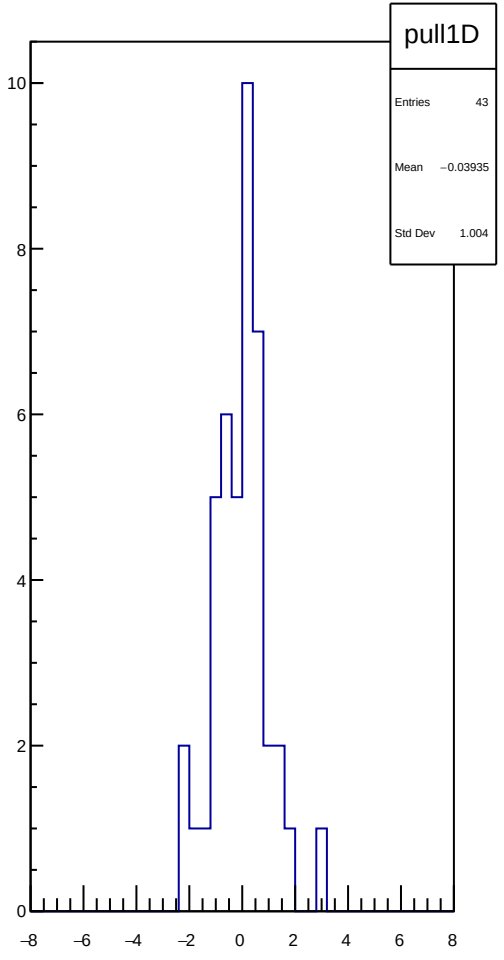

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 35.11 / 42
p0 5244 ± 2460
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 146.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01923
Std Dev 0.9033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

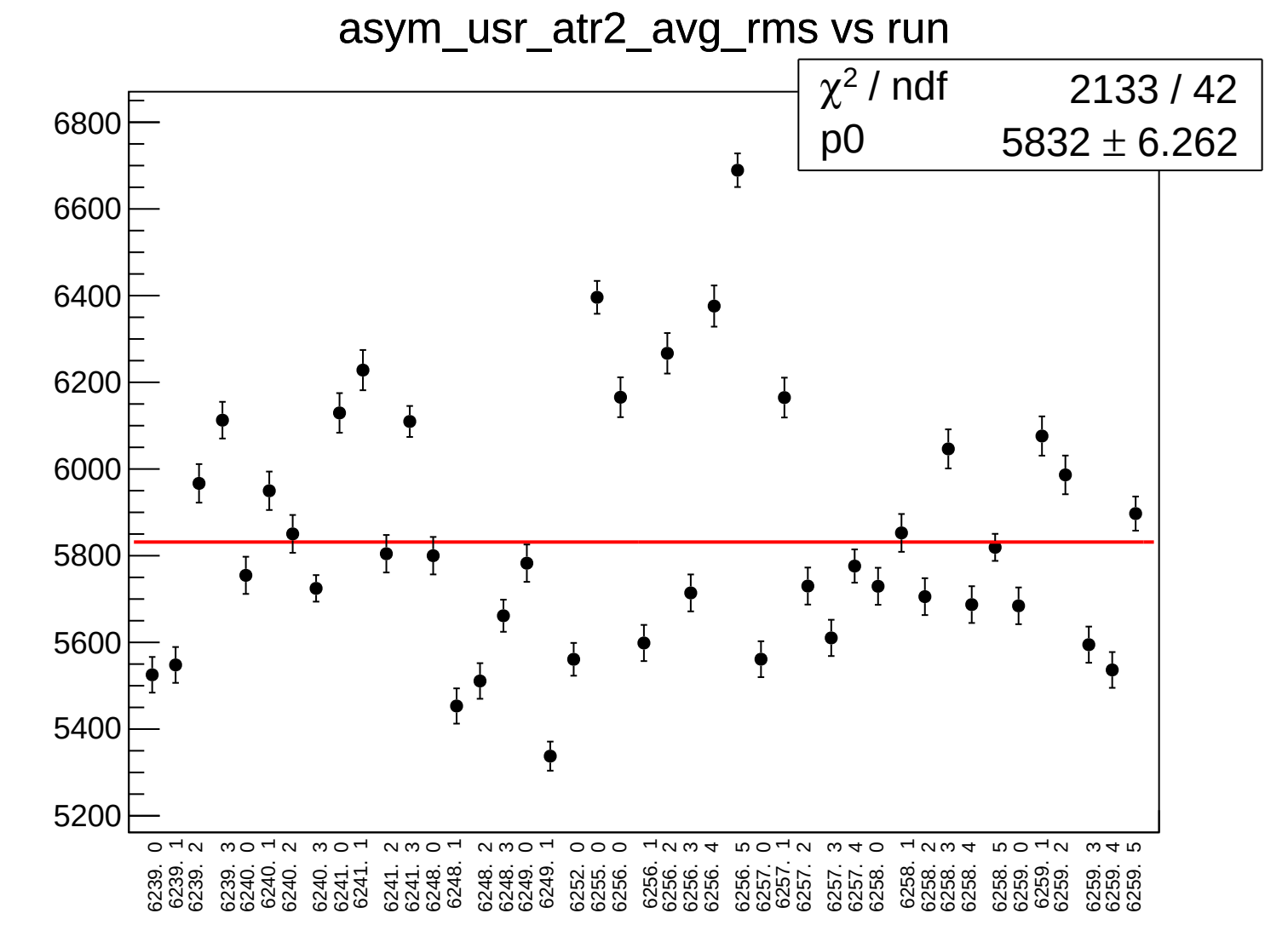

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 283 / 42
p0 1622 ± 1.74
1720
1700
1680
1660
1640
1620
1600
1580
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

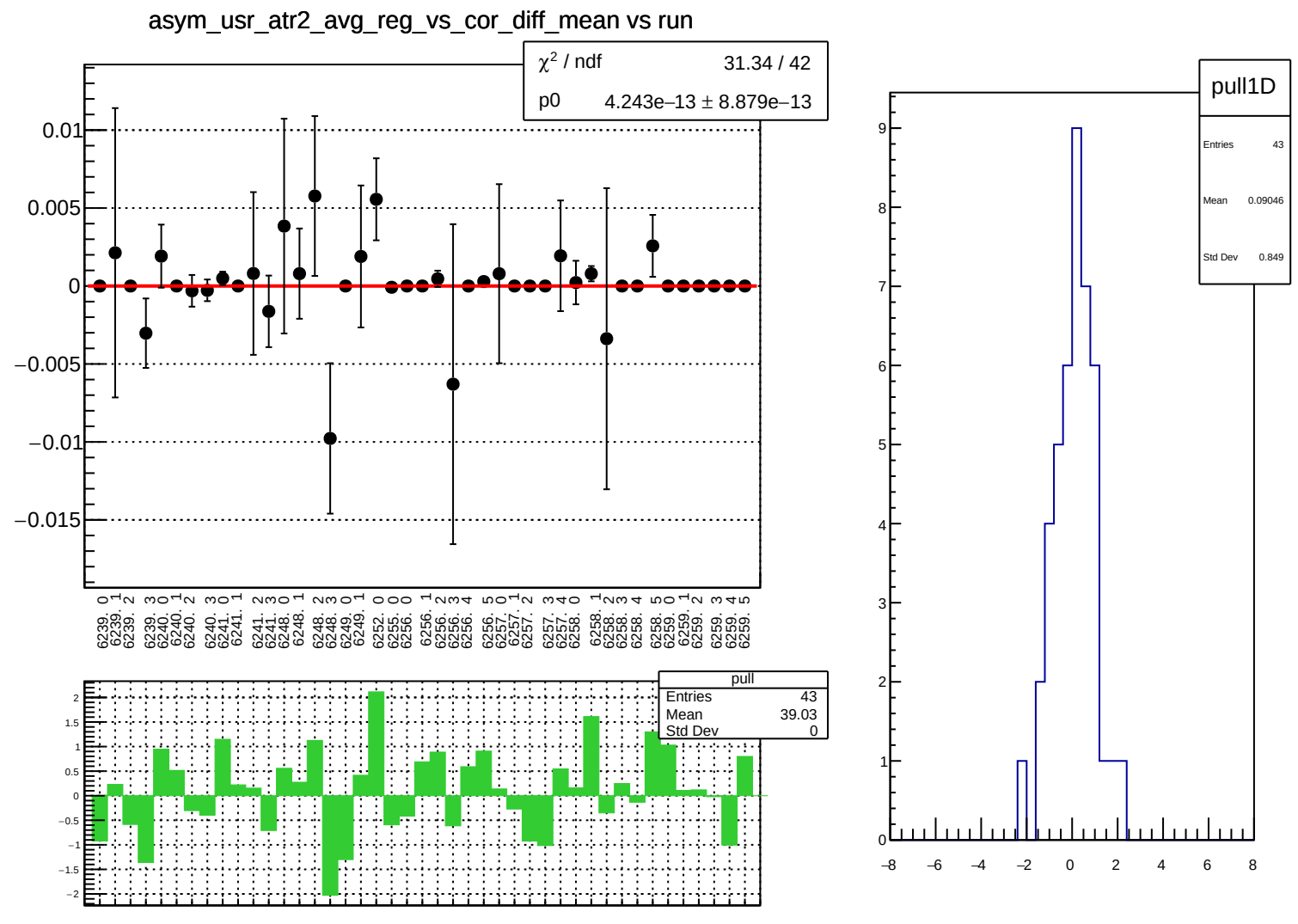

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.25 / 42
p0 489 ± 8563
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.38
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03712
Std Dev 0.9905
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

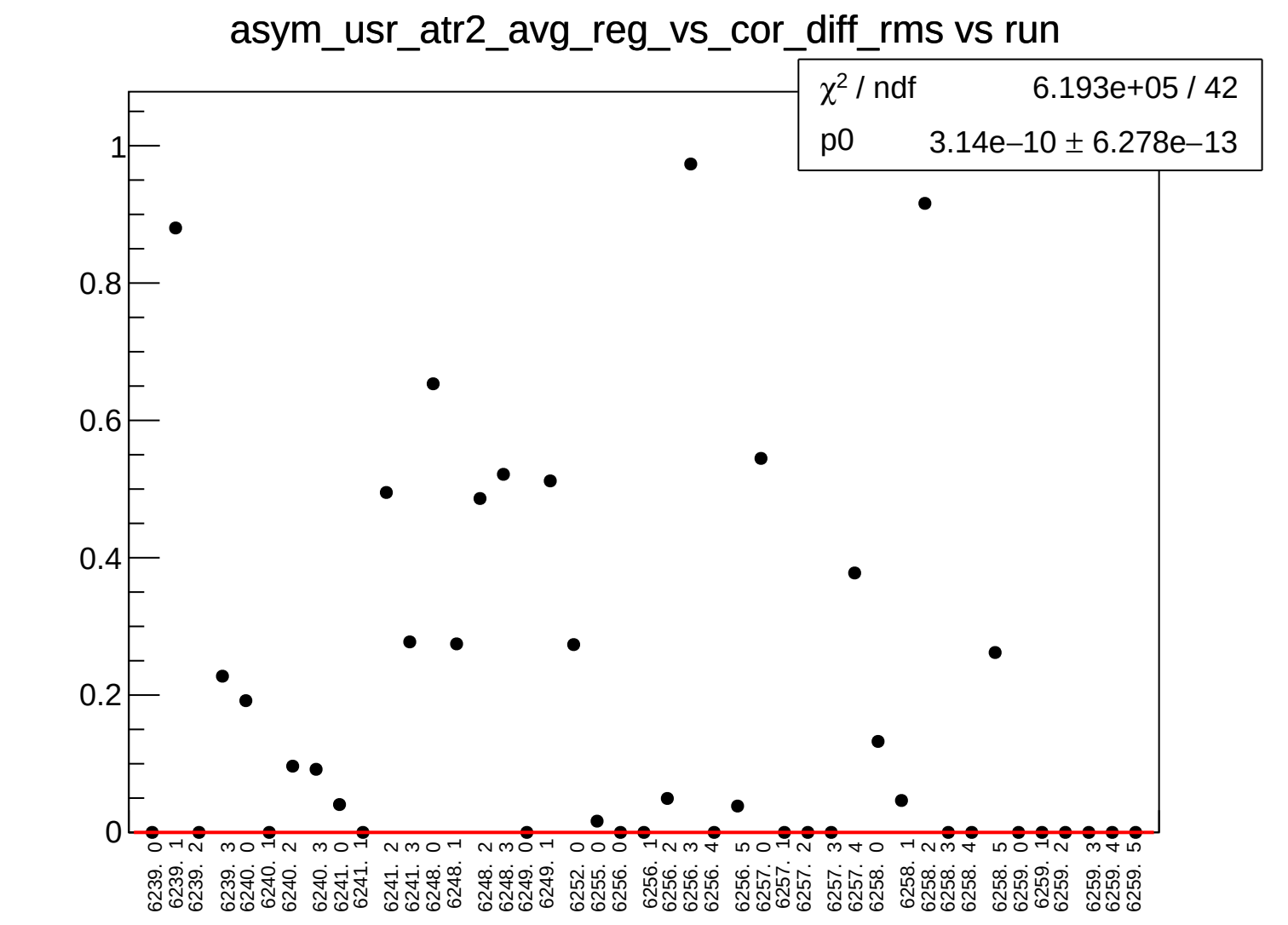

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2310 / 42
p0 5638 ± 6.055
6600
6400
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

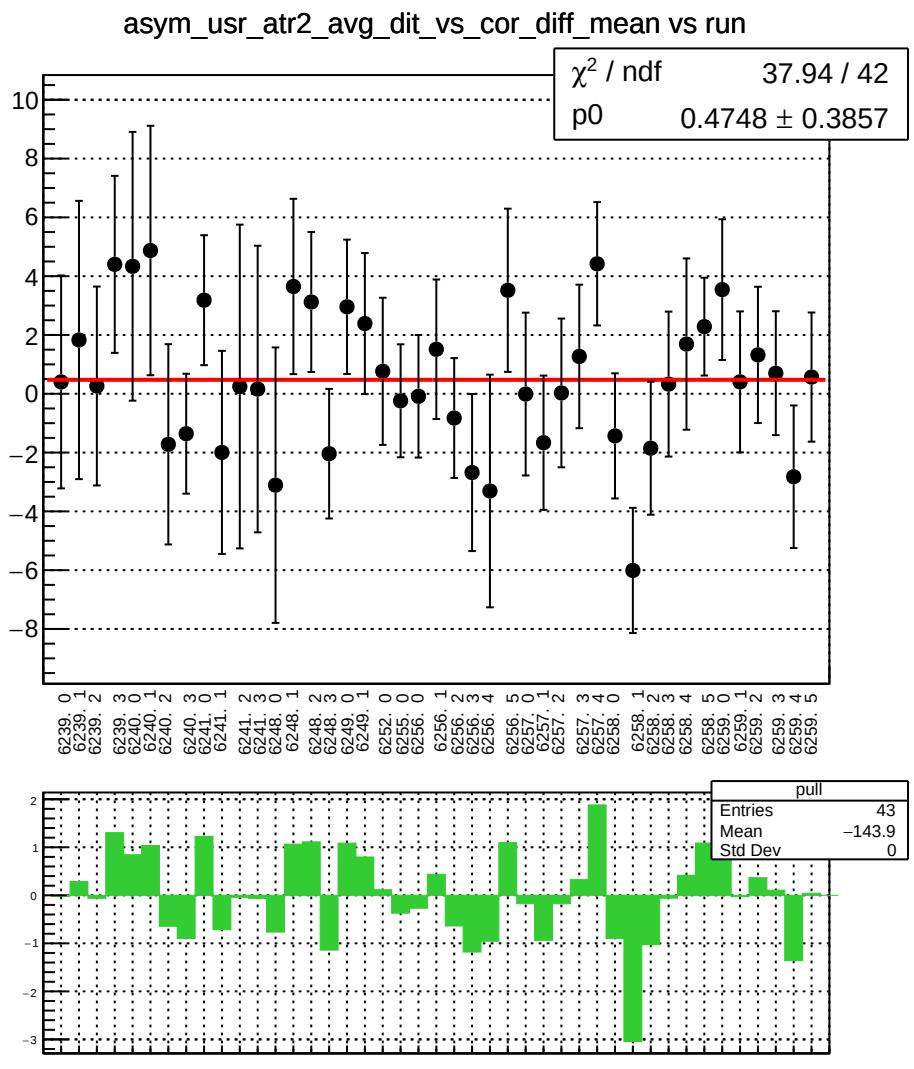

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 43.41 / 42
p0 4545 ± 8855
200
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.51
Std Dev 0
3
2
1
0
−1
−2

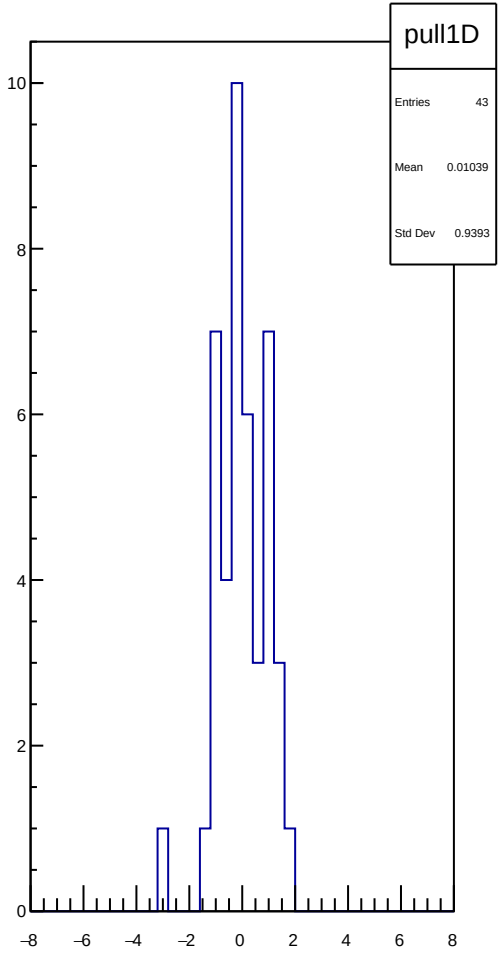

pull1D
Entries 43
Mean −0.03935
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

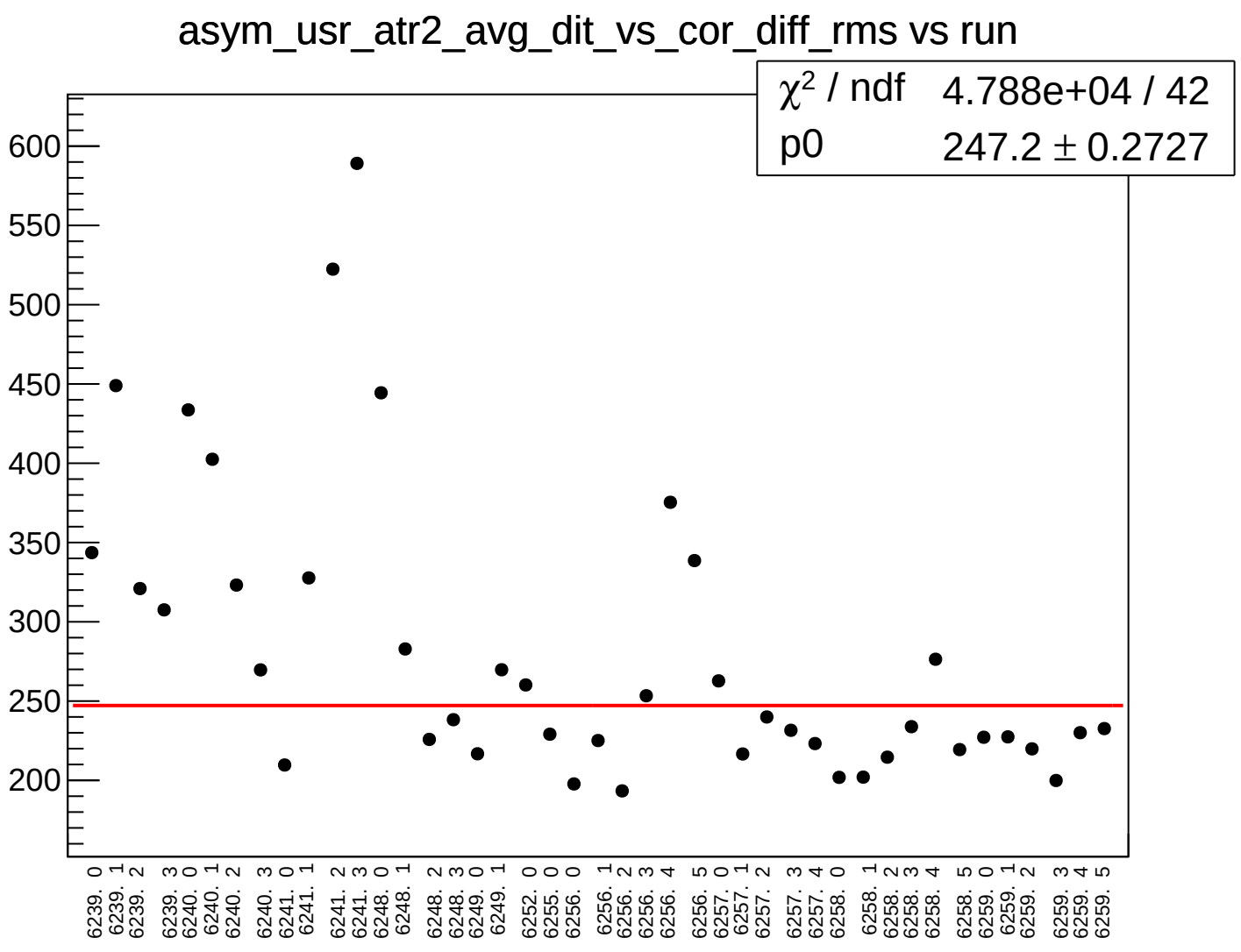

asym_usr_atr2_avg_rms vs run
χ² / ndf 2133 / 42
p0 5832 ± 6.262
6800
6600
6400
6200
6000
5800
5600
5400
5200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

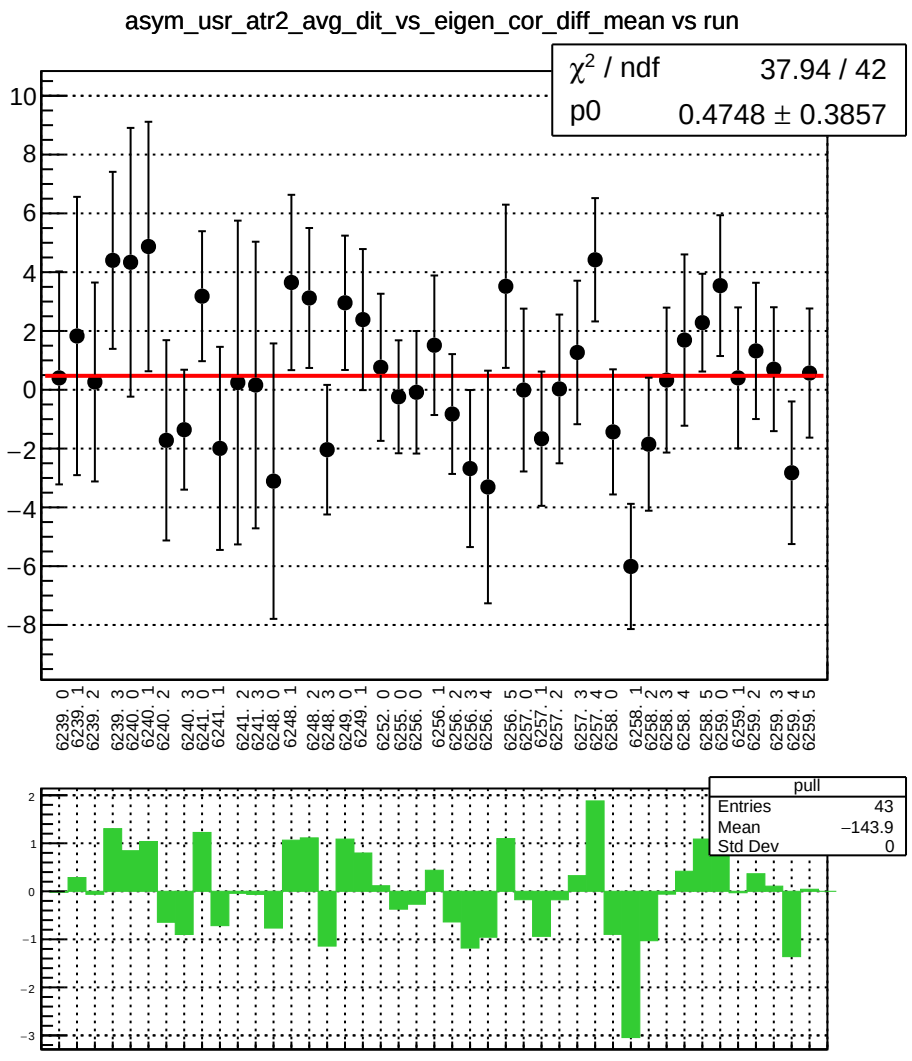

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 31.34 / 42
p0 4.243e−13 ± 8.879e−13
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.09046
Std Dev 0.849
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

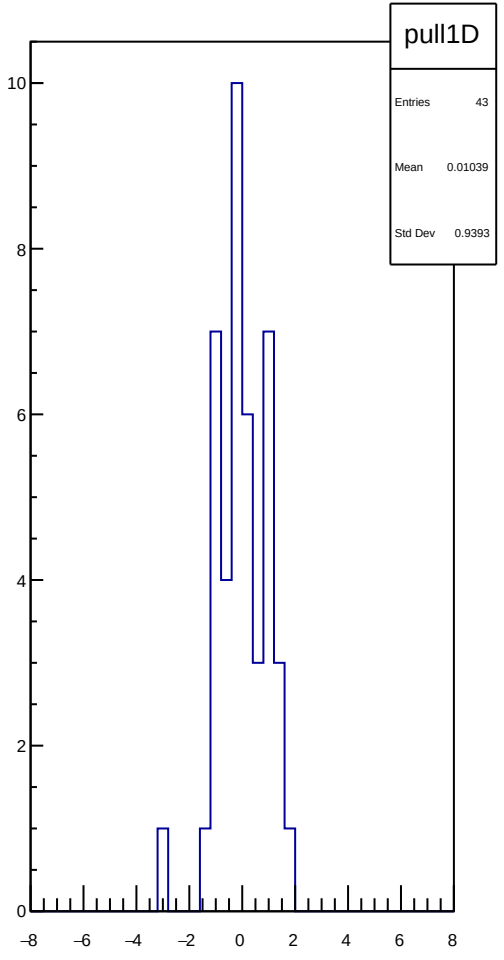

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.193e+05 / 42
p0 3.14e−10 ± 6.278e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

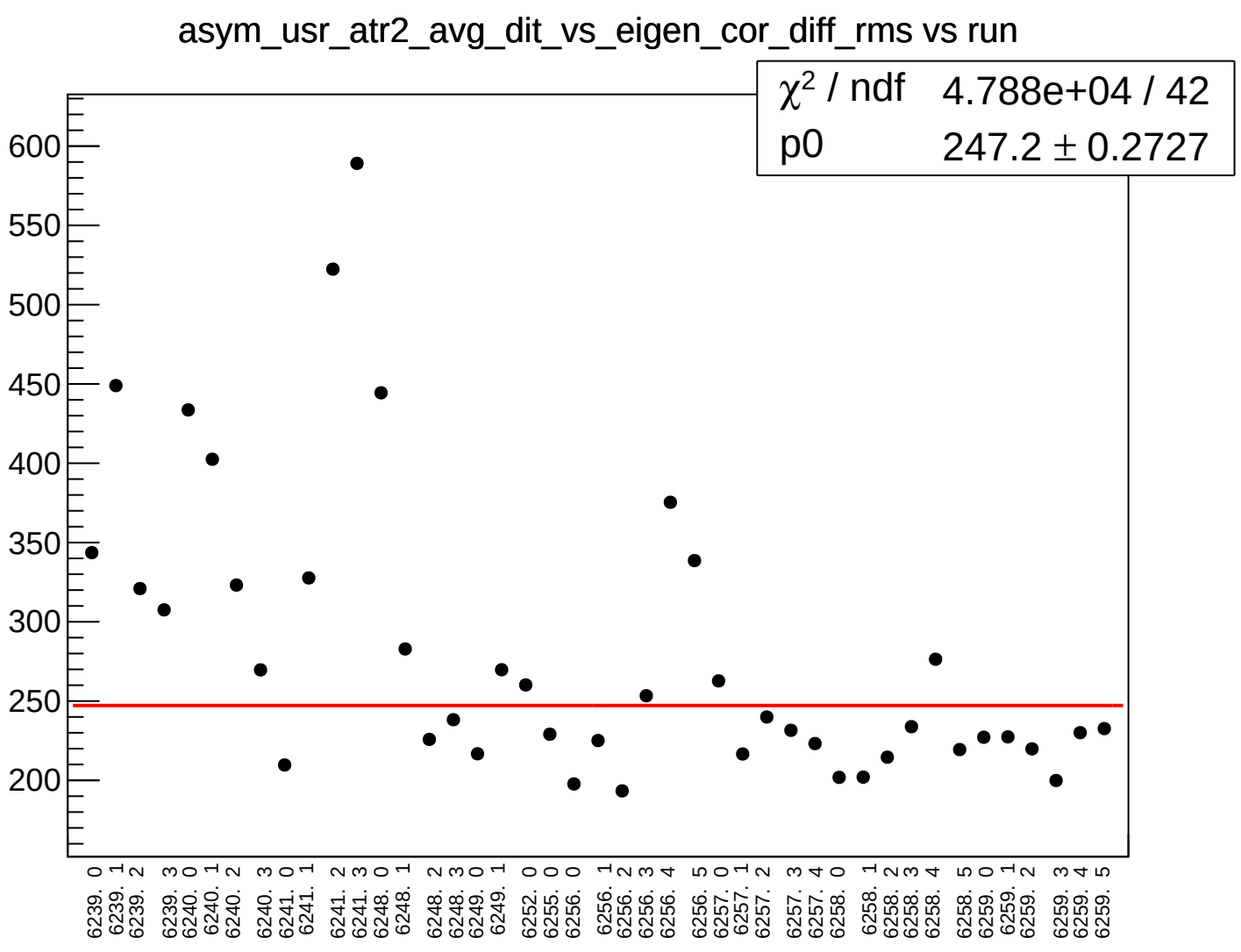

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.4748 ± 0.3857
pull
Entries 43
Mean −143.9
Std Dev 0

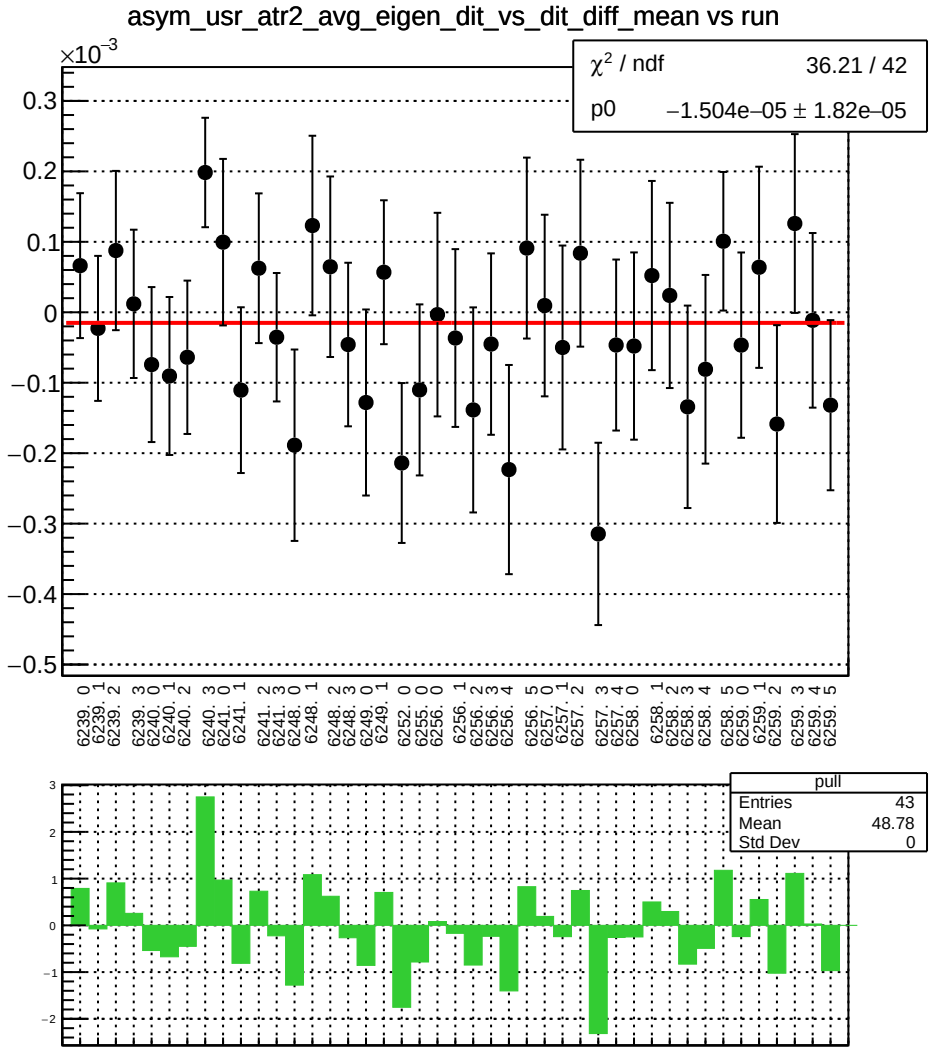

pull1D
Entries 43
Mean 0.01039
Std Dev 0.9393

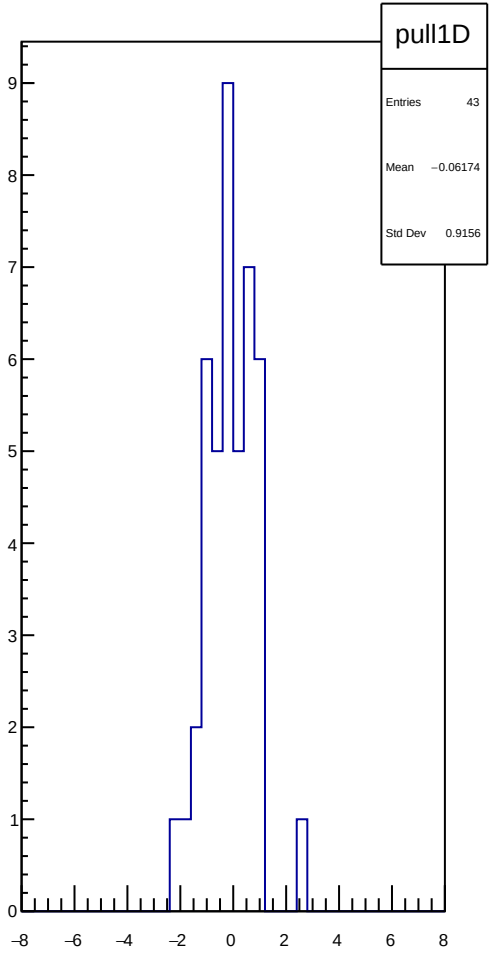

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.788e+04 / 42
p0 247.2 ± 0.2727
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

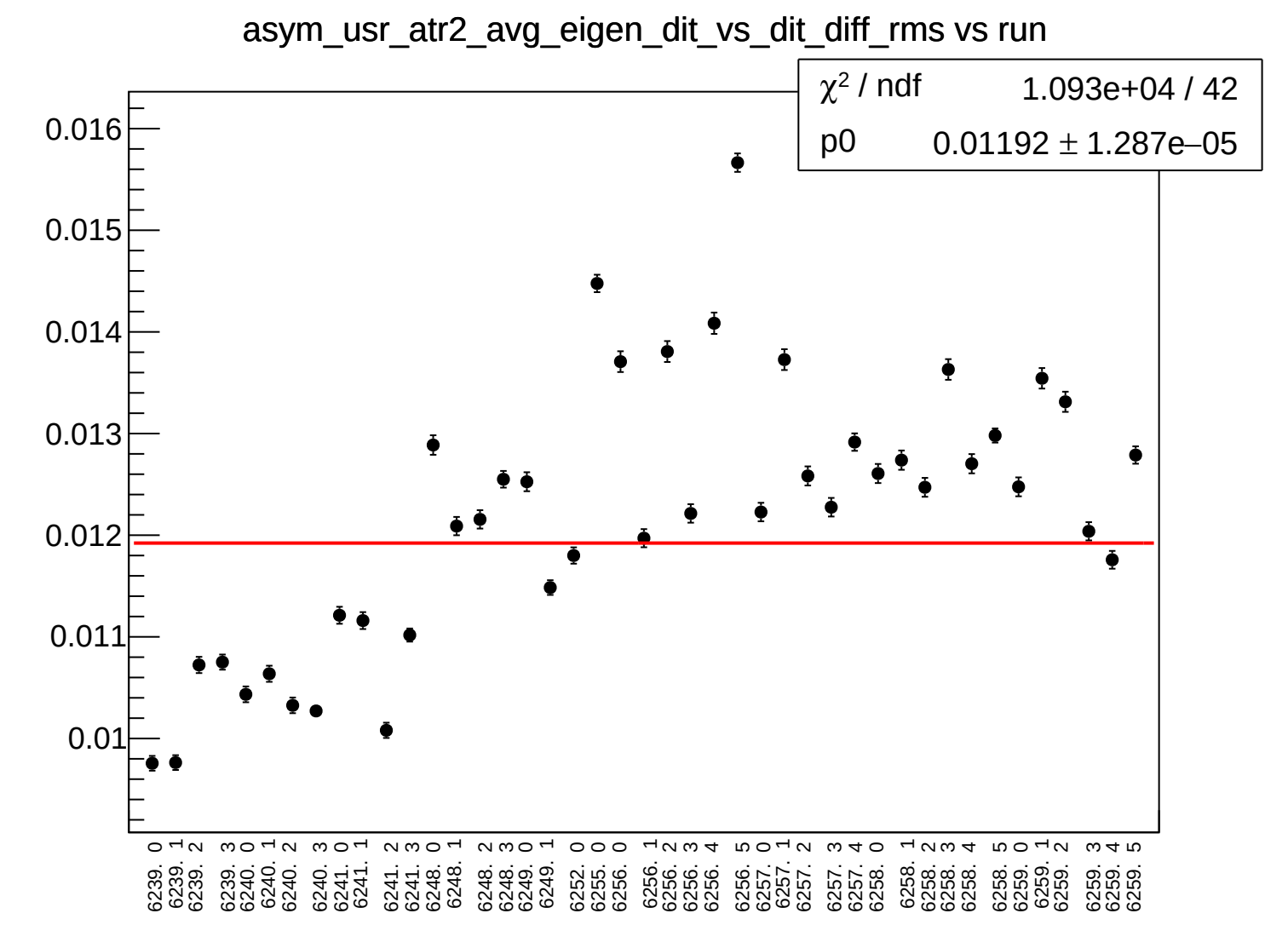

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.4748 ± 0.3857
pull
Entries 43
Mean −143.9
Std Dev 0

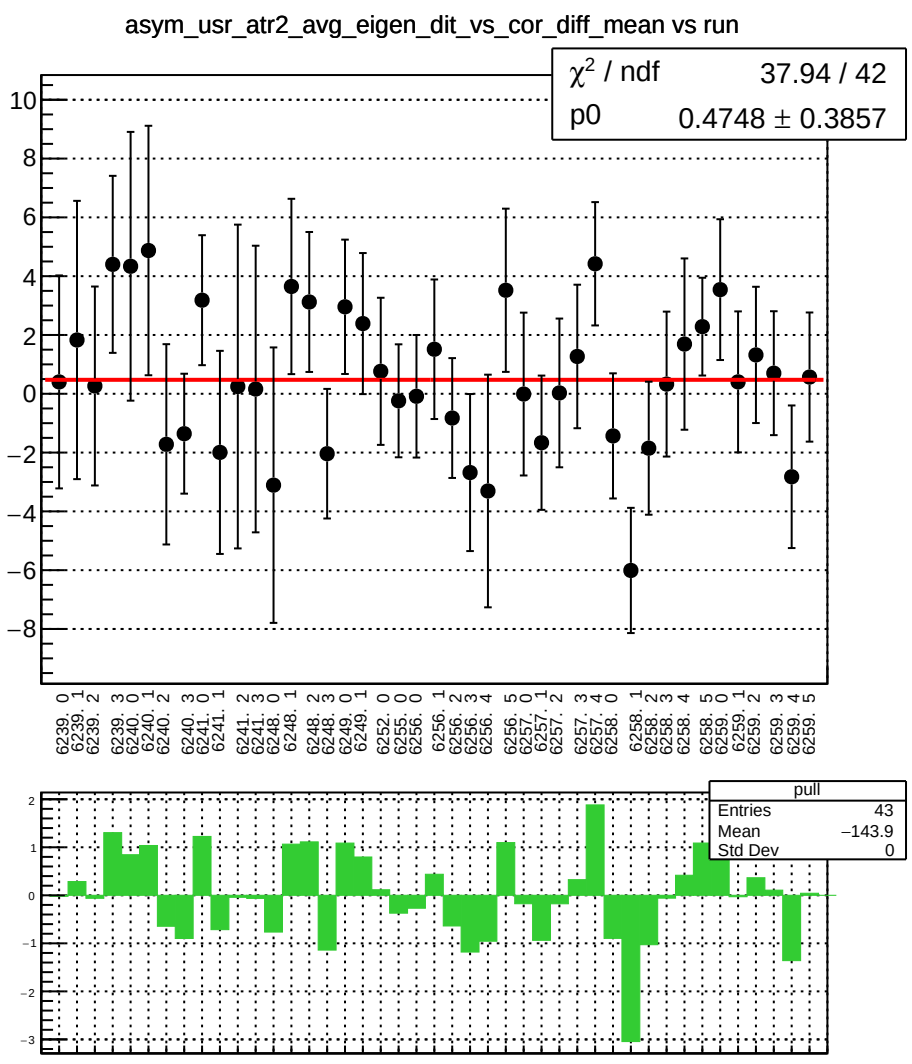

pull1D
Entries 43
Mean 0.01039
Std Dev 0.9393

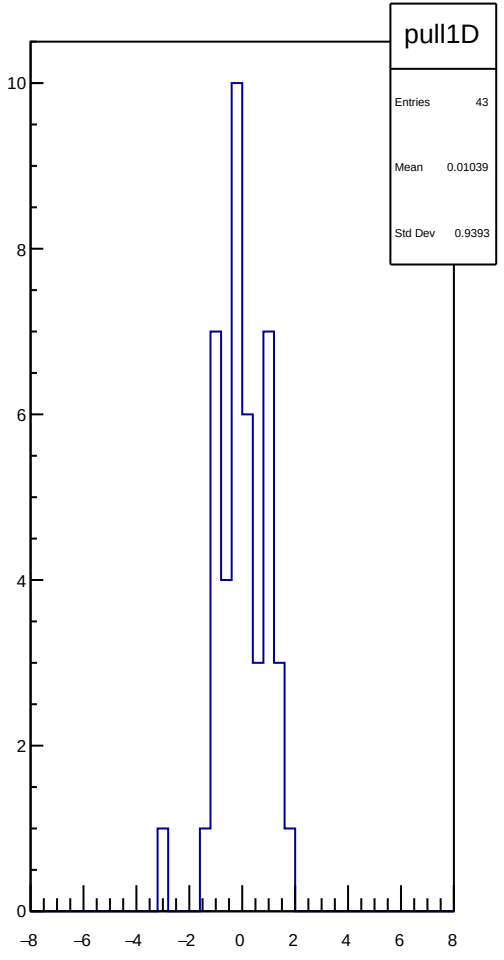

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.788e+04 / 42
p0 247.2 ± 0.2727
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

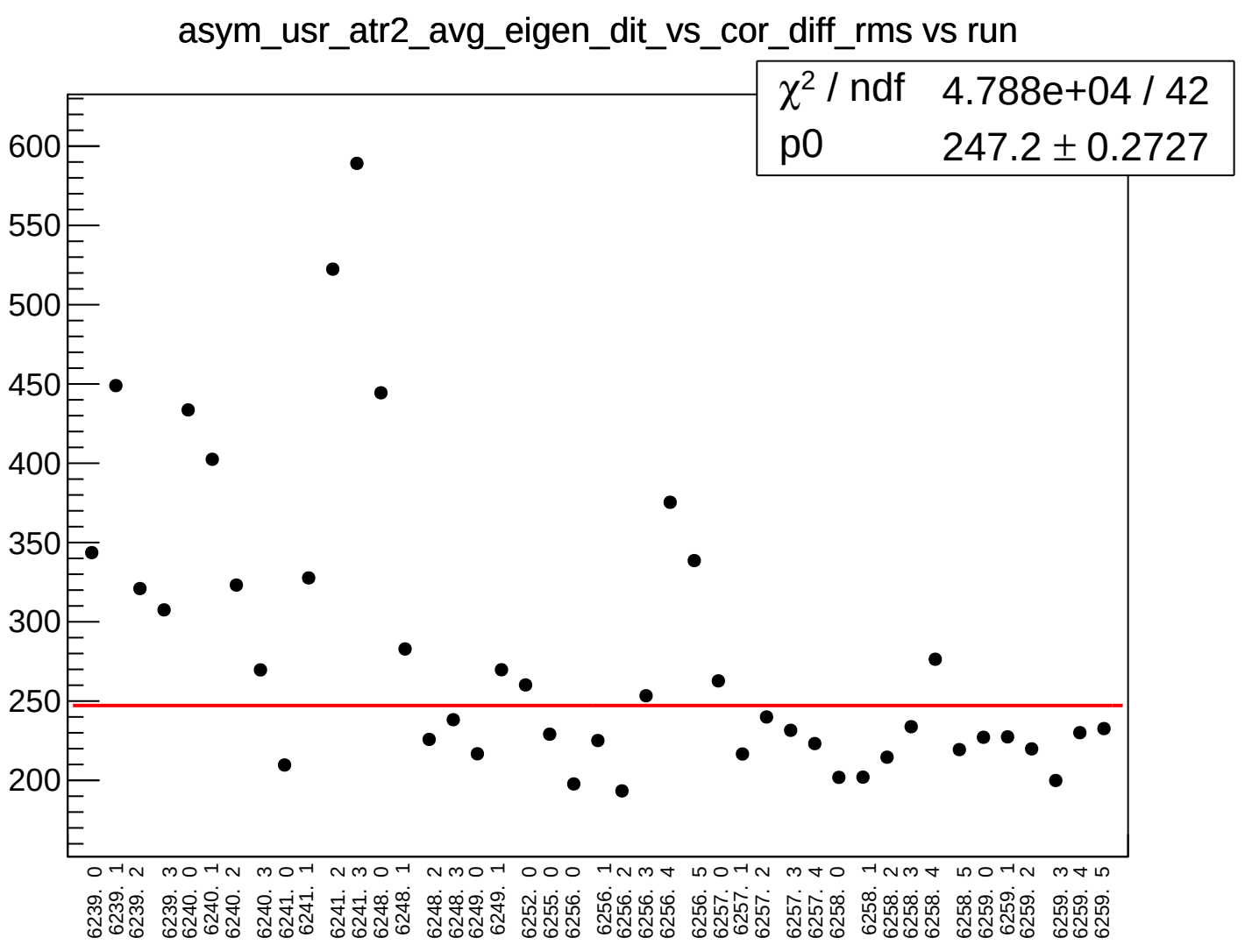

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.21 / 42
p0 −1.504e−05 ± 1.82e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.78
Std Dev 0
3
2
1
0
−1
−2

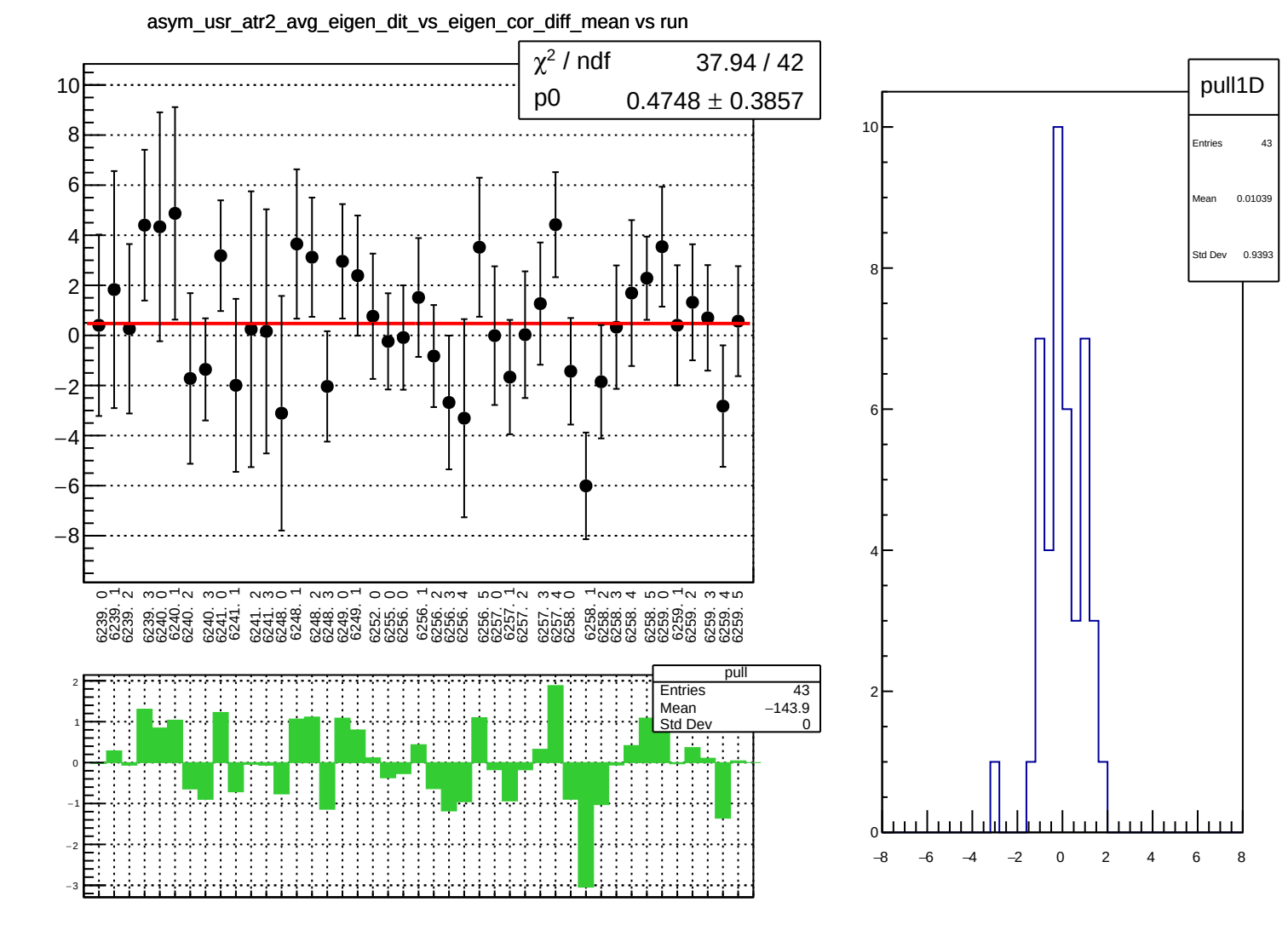

pull1D
Entries 43
Mean −0.06174
Std Dev 0.9156
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

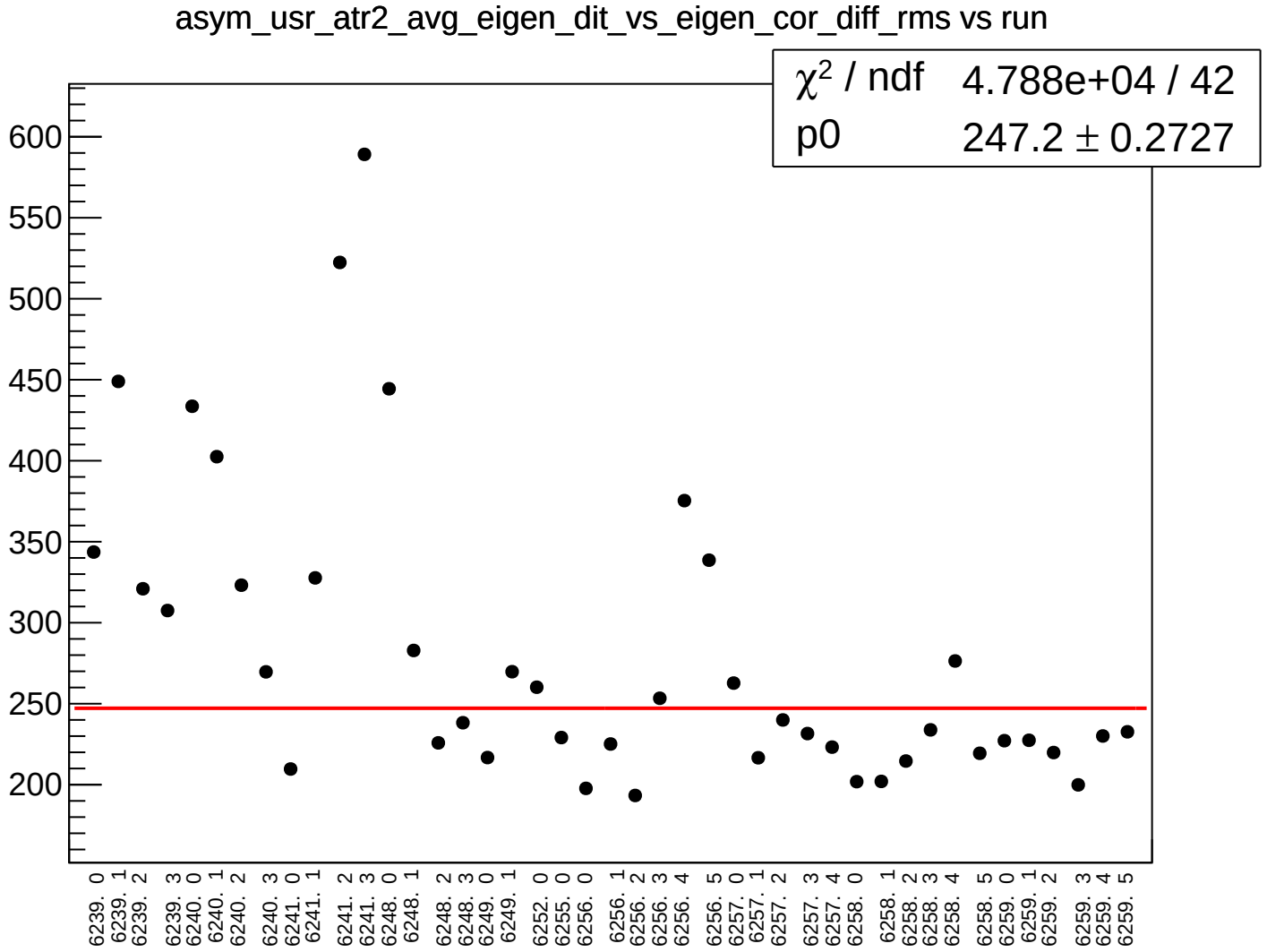

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.093e+04 / 42
p0 0.01192 ± 1.287e–05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

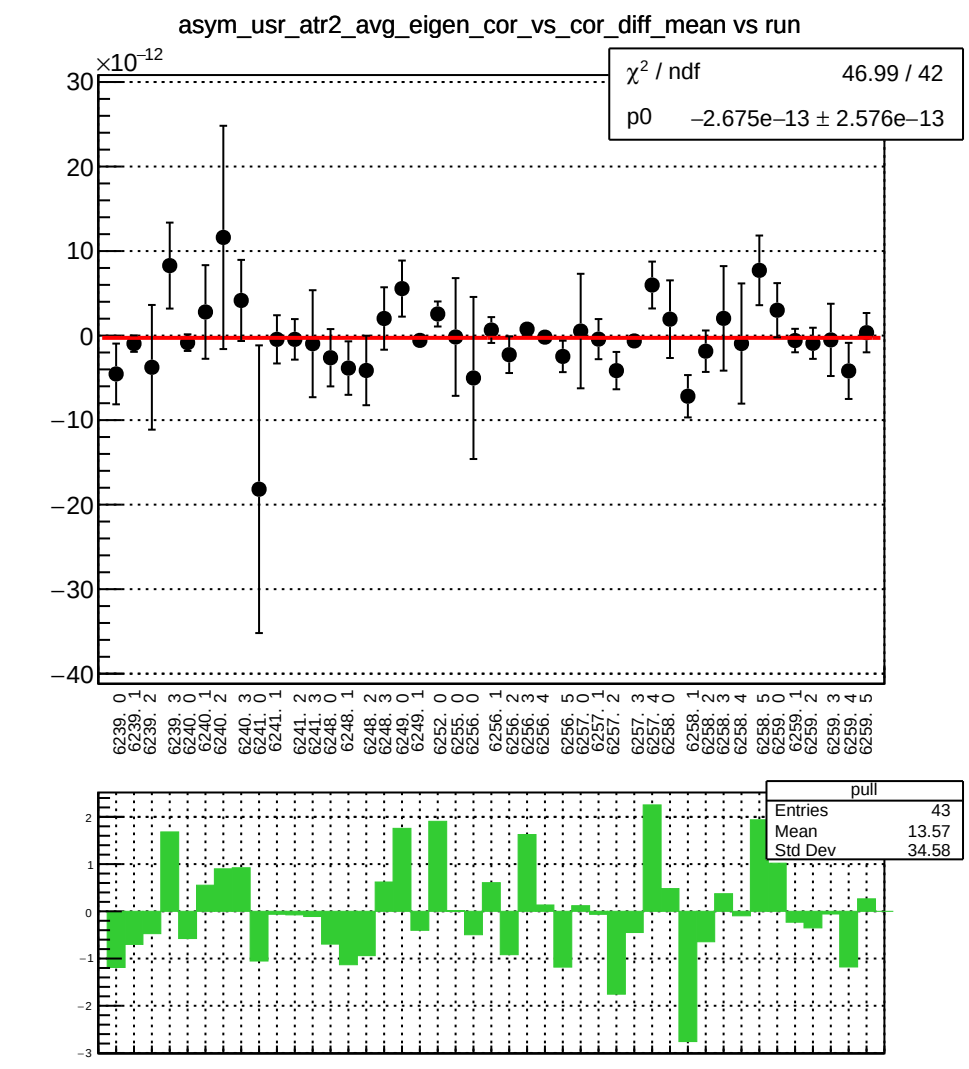

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.4748 ± 0.3857
pull
Entries 43
Mean −143.9
Std Dev 0

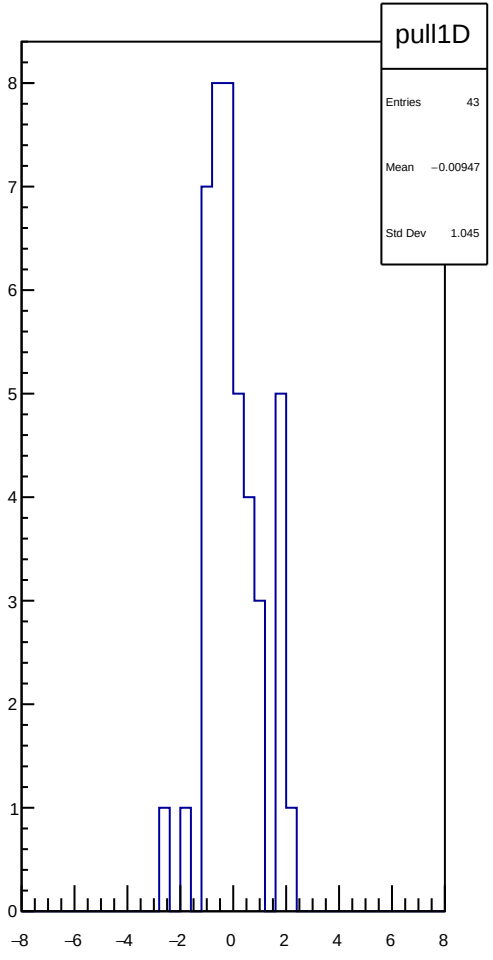

pull1D
Entries 43
Mean 0.01039
Std Dev 0.9393

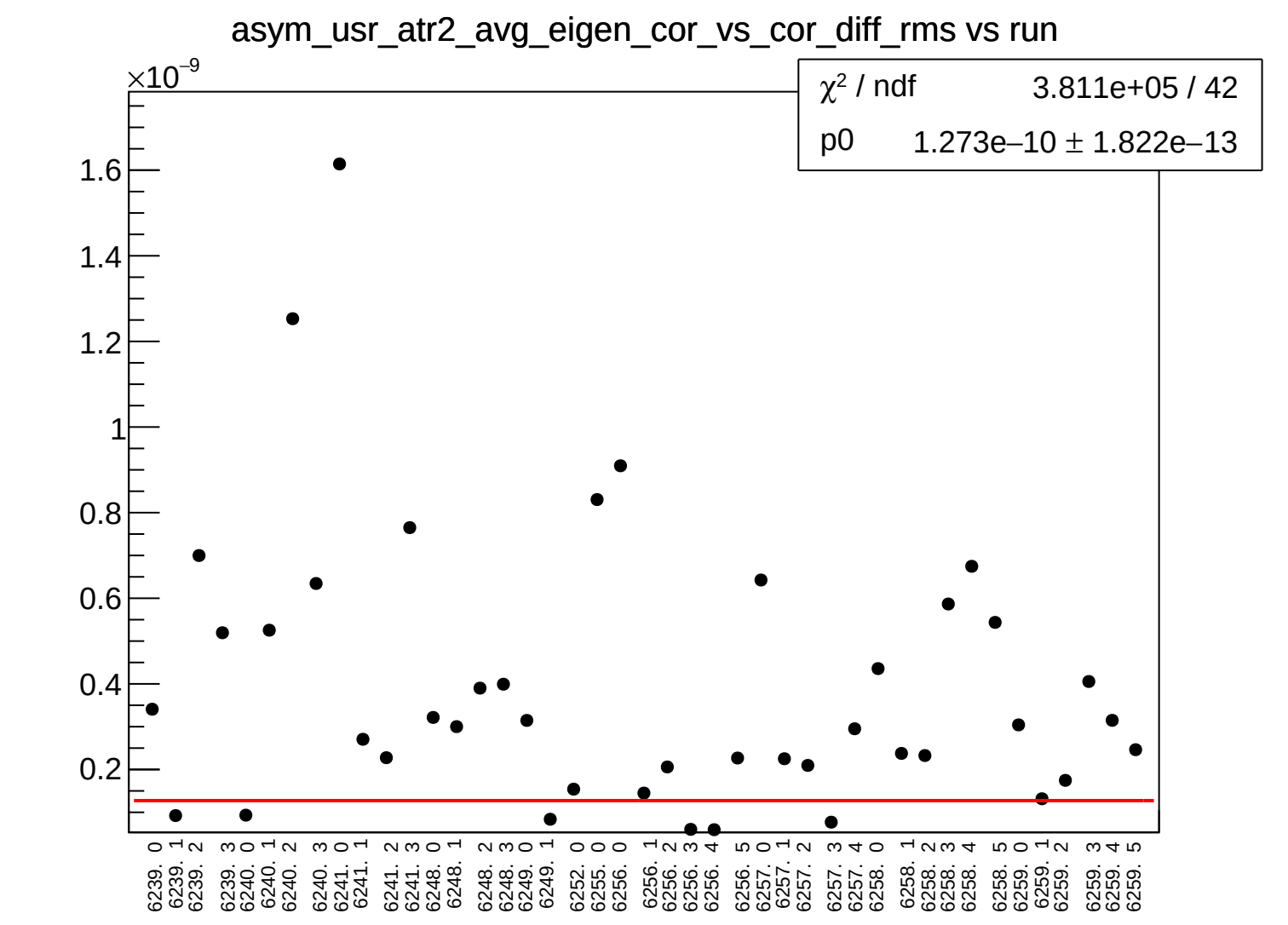

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.788e+04 / 42
p0 247.2 ± 0.2727
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.4748 ± 0.3857
pull
Entries 43
Mean −143.9
Std Dev 0
pull1D
Entries 43
Mean 0.01039
Std Dev 0.9393


asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.788e+04 / 42
p0 247.2 ± 0.2727
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.99 / 42
p0 −2.675e−13 ± 2.576e−13
30
20
10
0
−10
−20
−30
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.57
Std Dev 34.58
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.00947
Std Dev 1.045
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.811e+05 / 42
p0 1.273e−10 ± 1.822e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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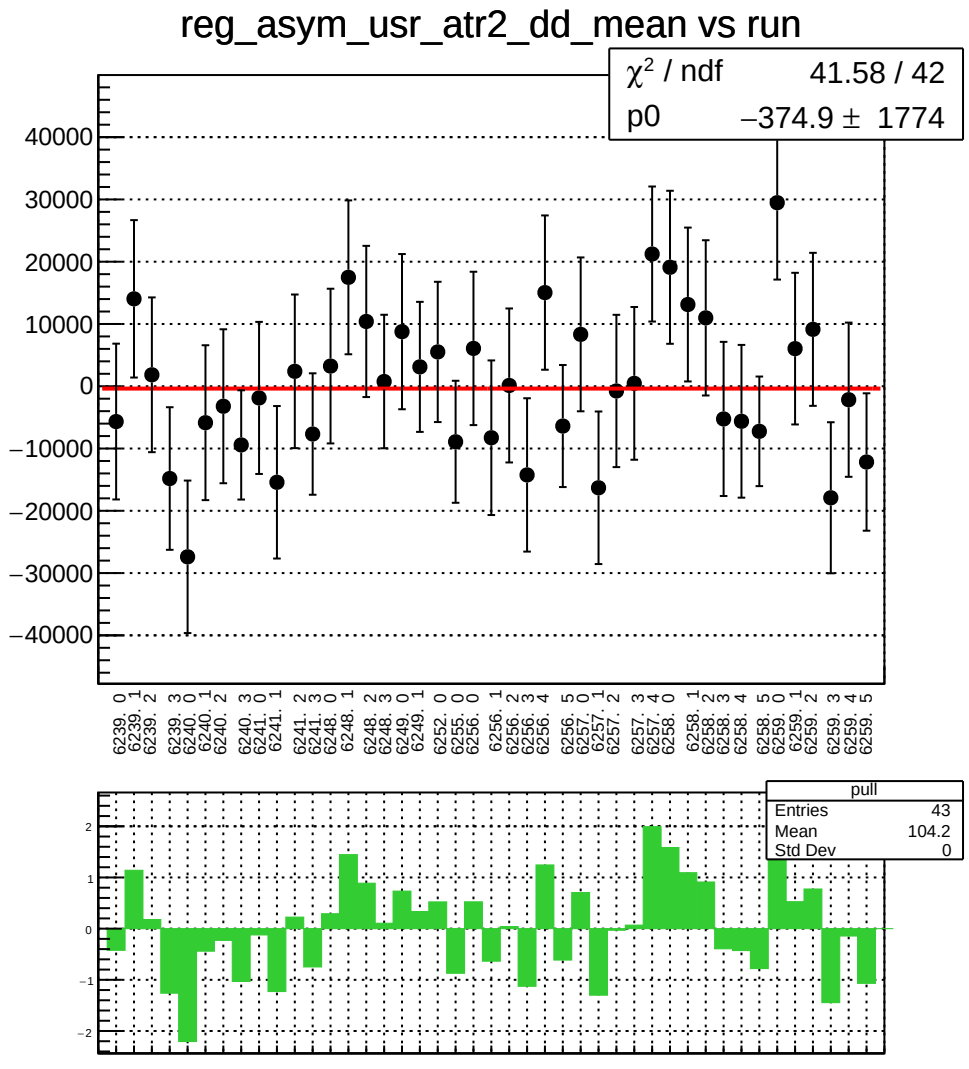
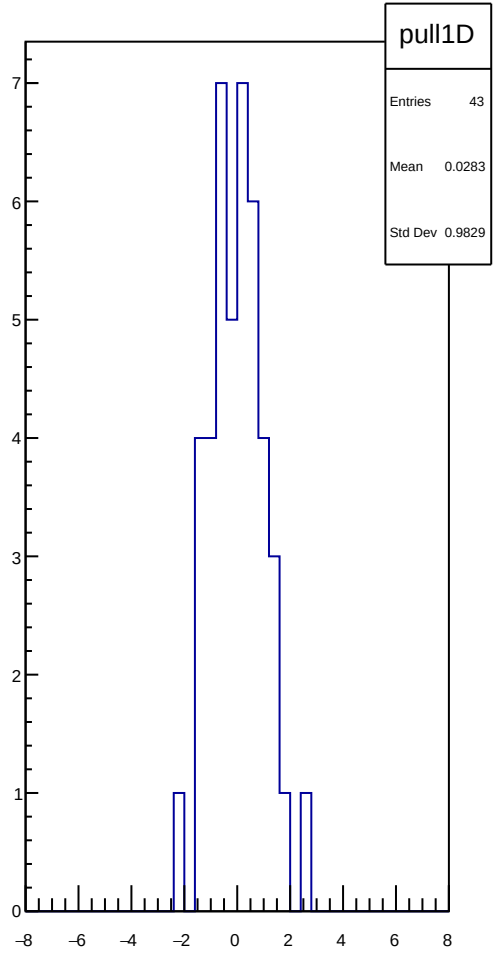
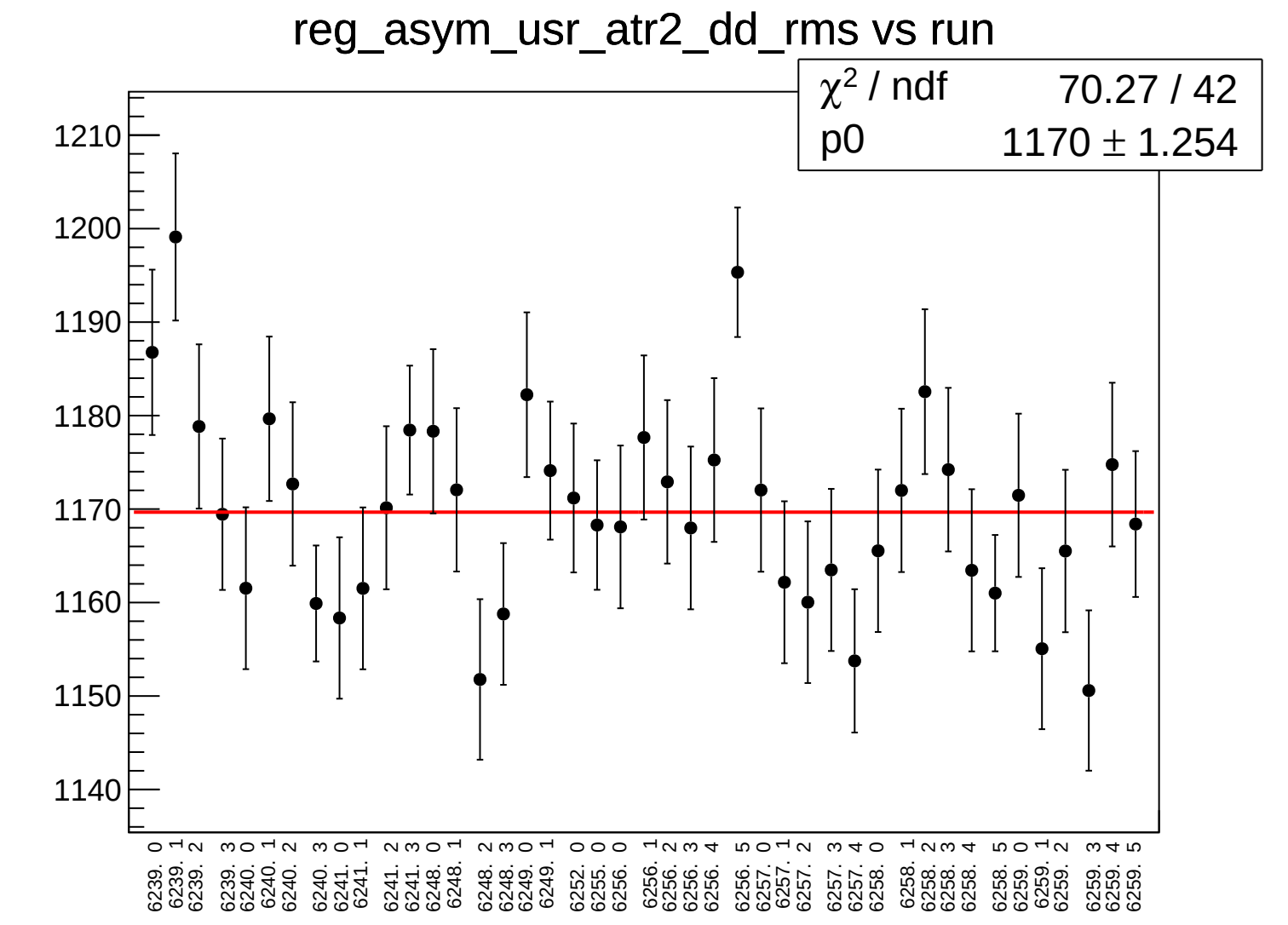
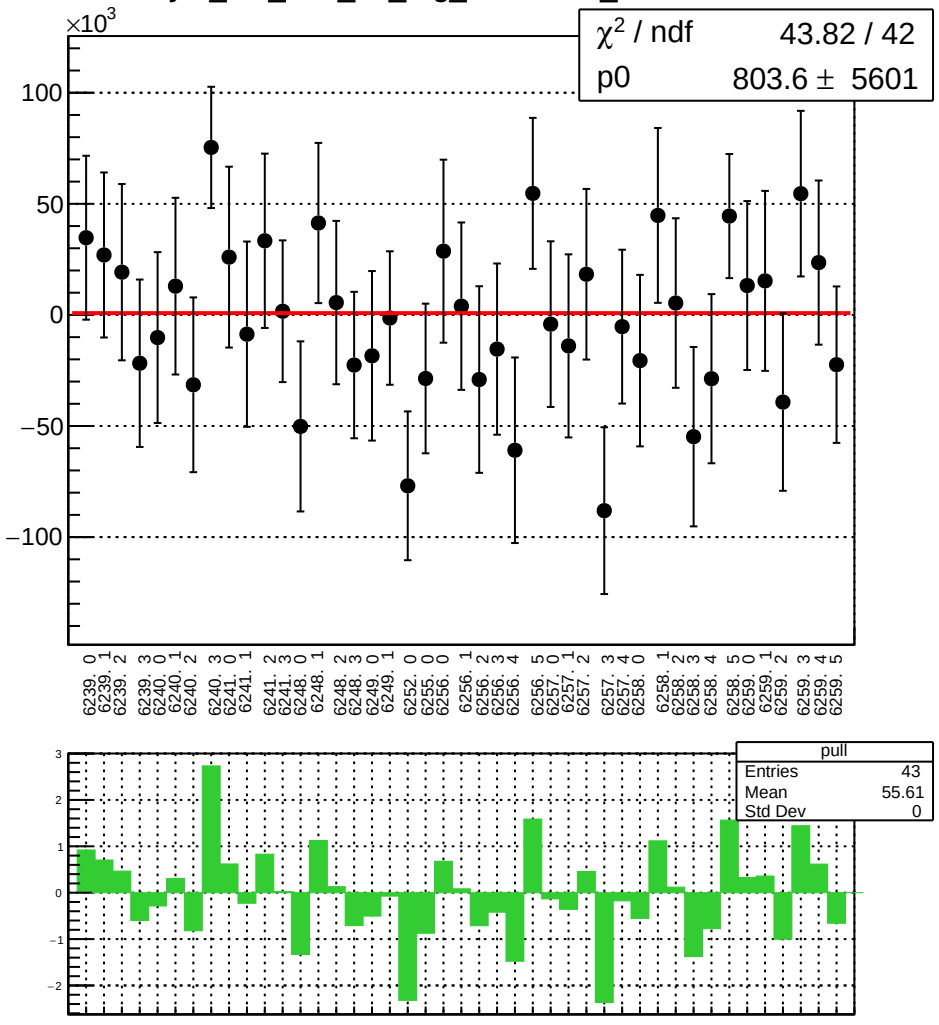
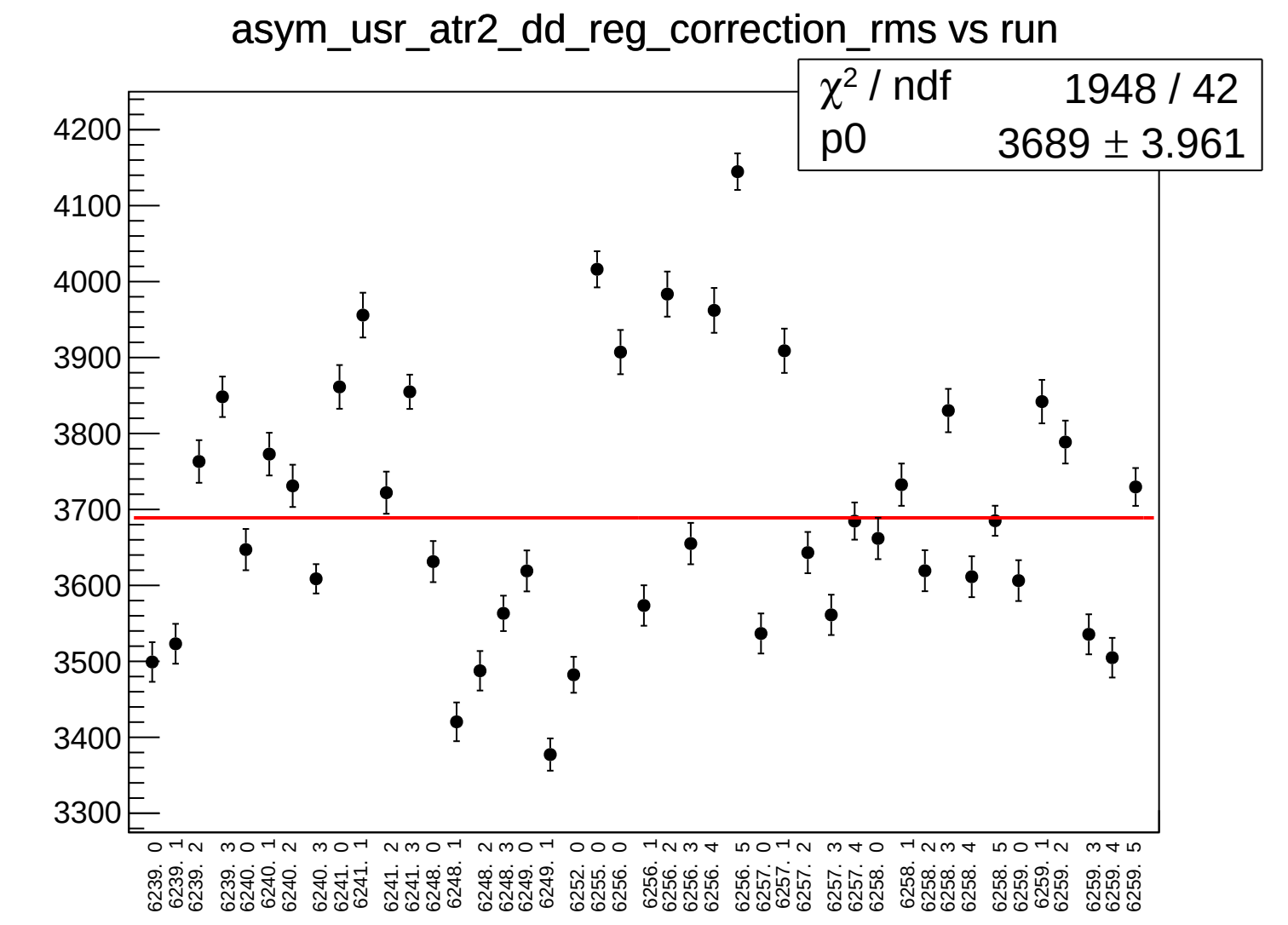
6259. 2
6259. 3
6259. 4
6259. 5

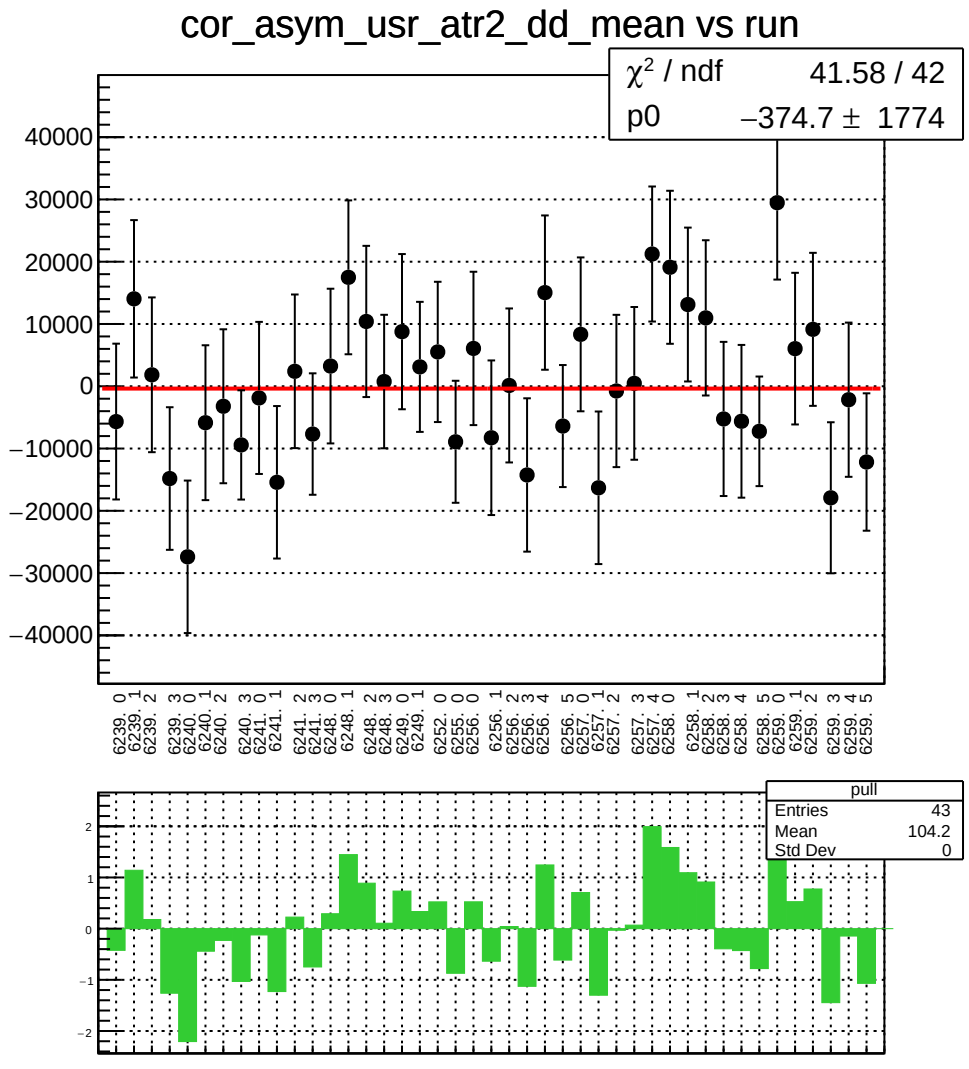

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 41.58 / 42
p0 −374.9 ± 1774
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.2
Std Dev 0
2
1
0
−1
−2

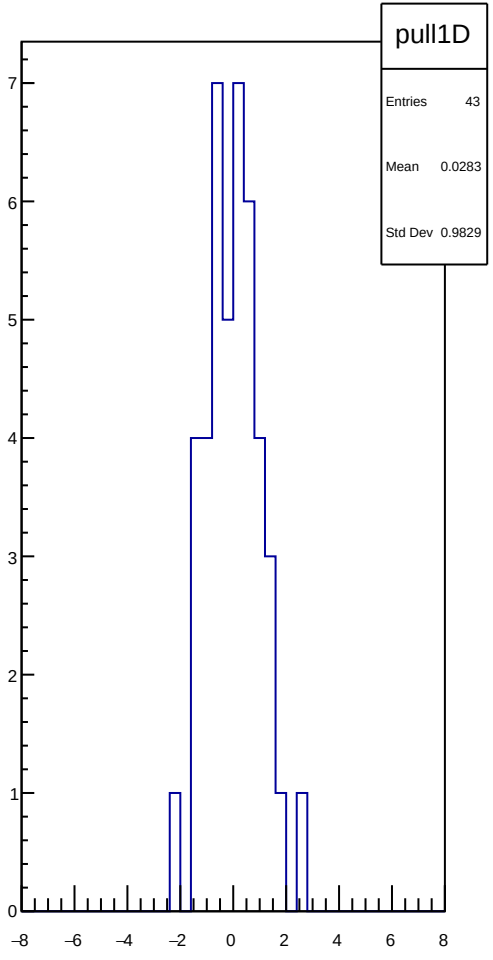

pull1D
Entries 43
Mean 0.0283
Std Dev 0.9829
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

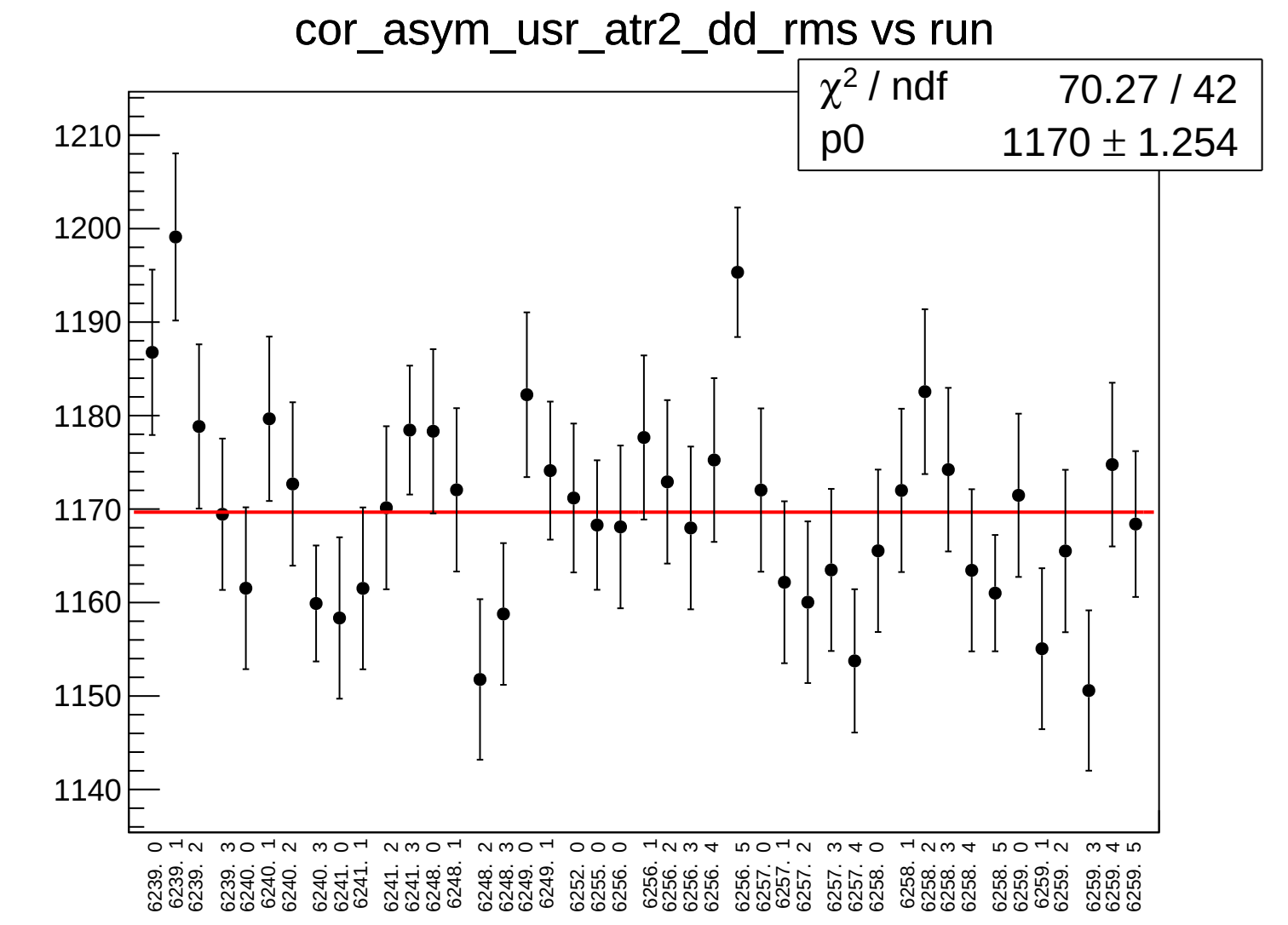

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 70.27 / 42
p0 1170 ± 1.254
1210
1200
1190
1180
1170
1160
1150
1140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

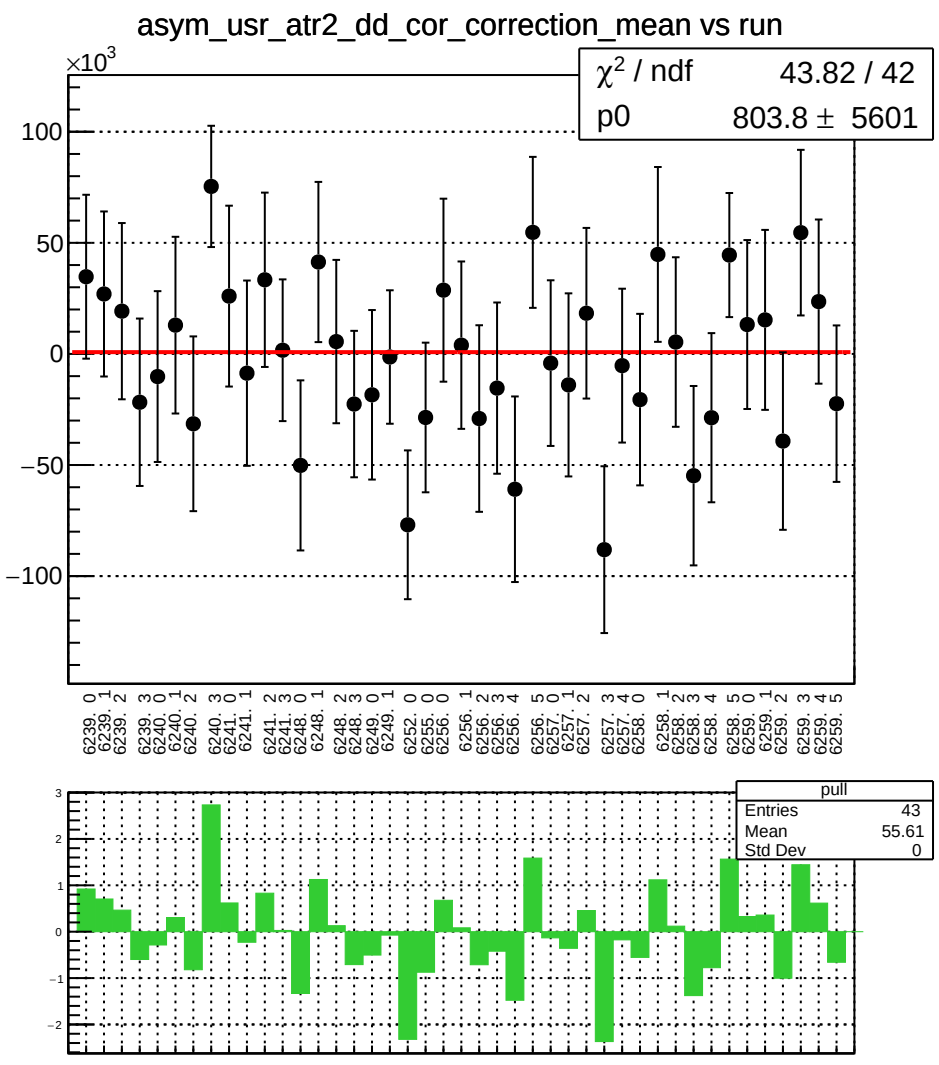

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 43.82 / 42
p0 803.6 ± 5601
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.61
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03593
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

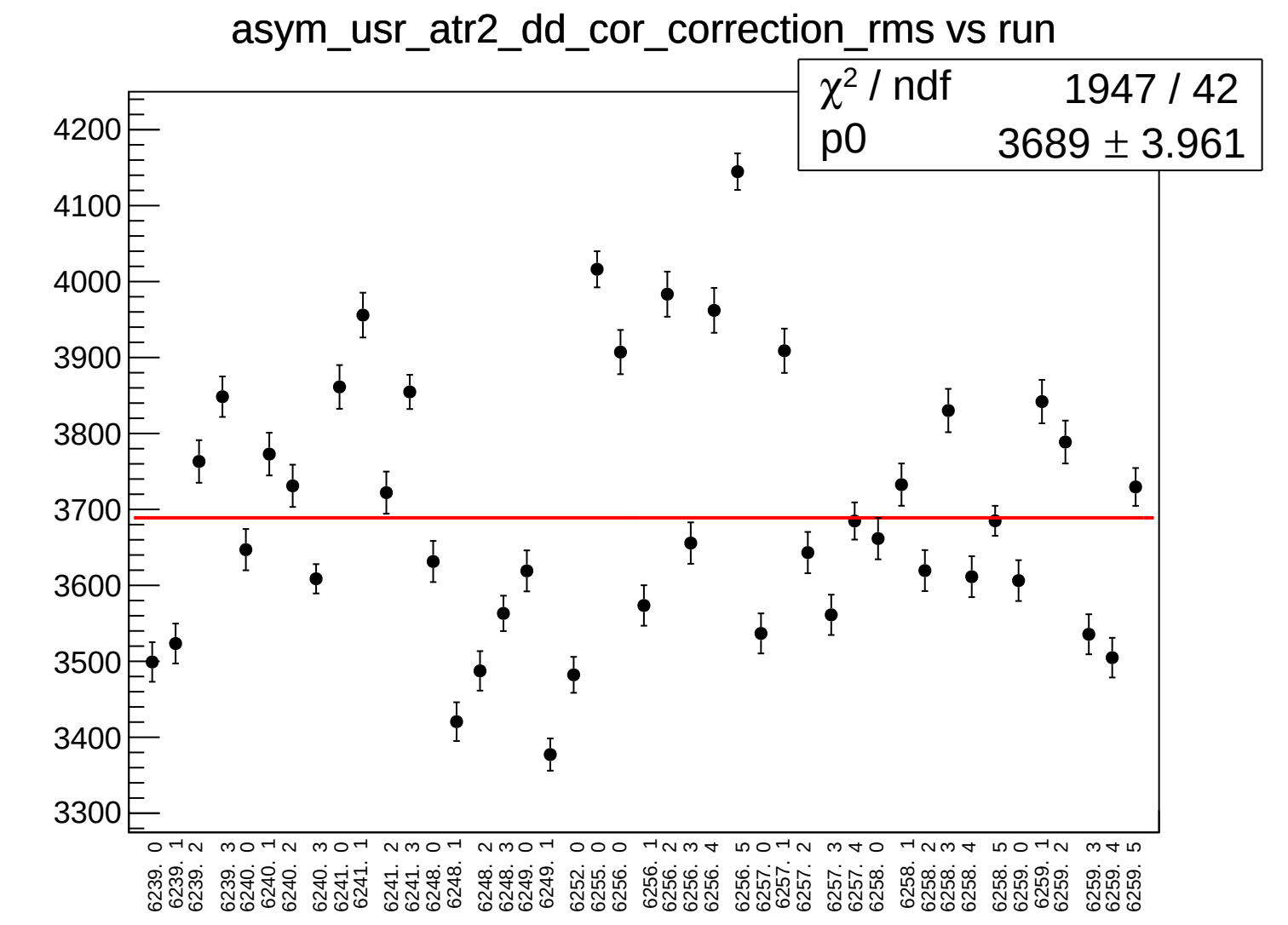

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1948 / 42
p0 3689 ± 3.961
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 41.58 / 42
p0 −374.7 ± 1774
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.0283
Std Dev 0.9829
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 70.27 / 42
p0 1170 ± 1.254
1210
1200
1190
1180
1170
1160
1150
1140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 43.82 / 42
p0 803.8 ± 5601
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.61
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03593
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1947 / 42
p0 3689 ± 3.961
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
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6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
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6259. 2
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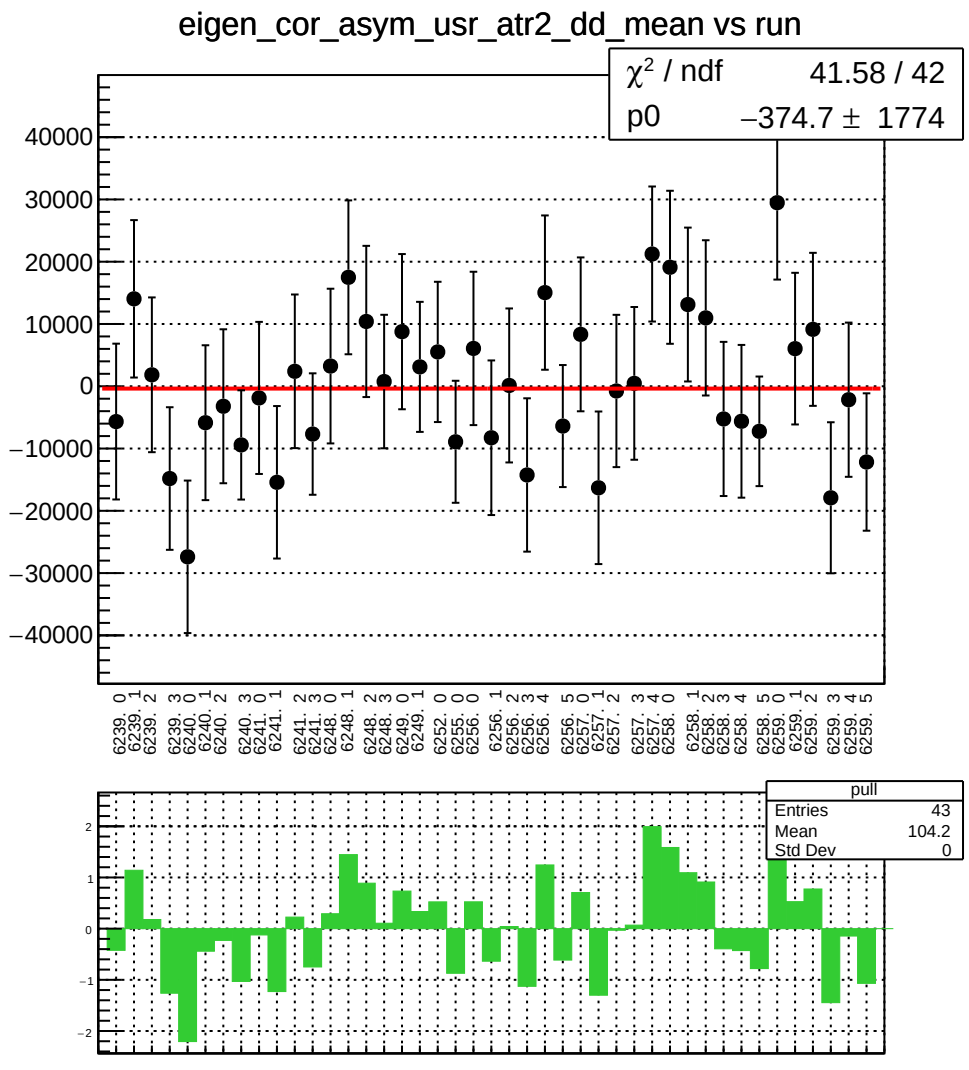
6259. 4
6259. 5


eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 41.58 / 42
p0 −374.7 ± 1774
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
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6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
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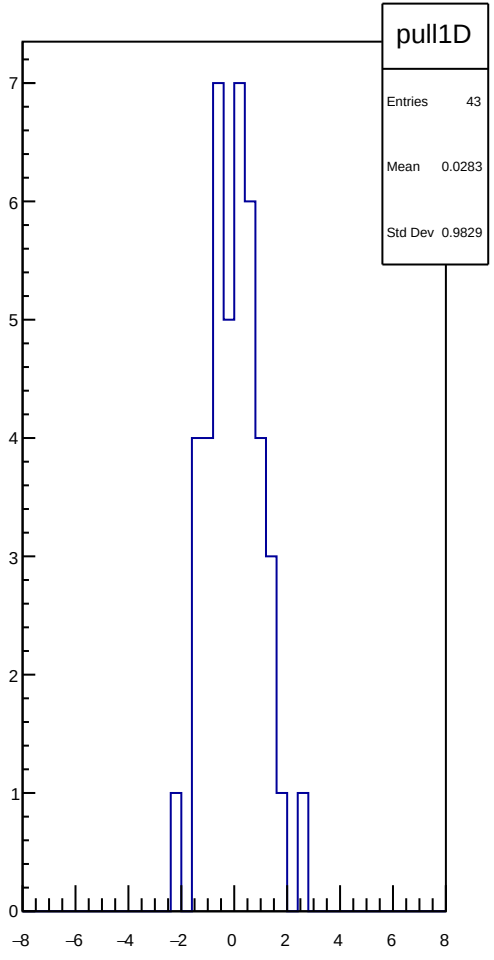
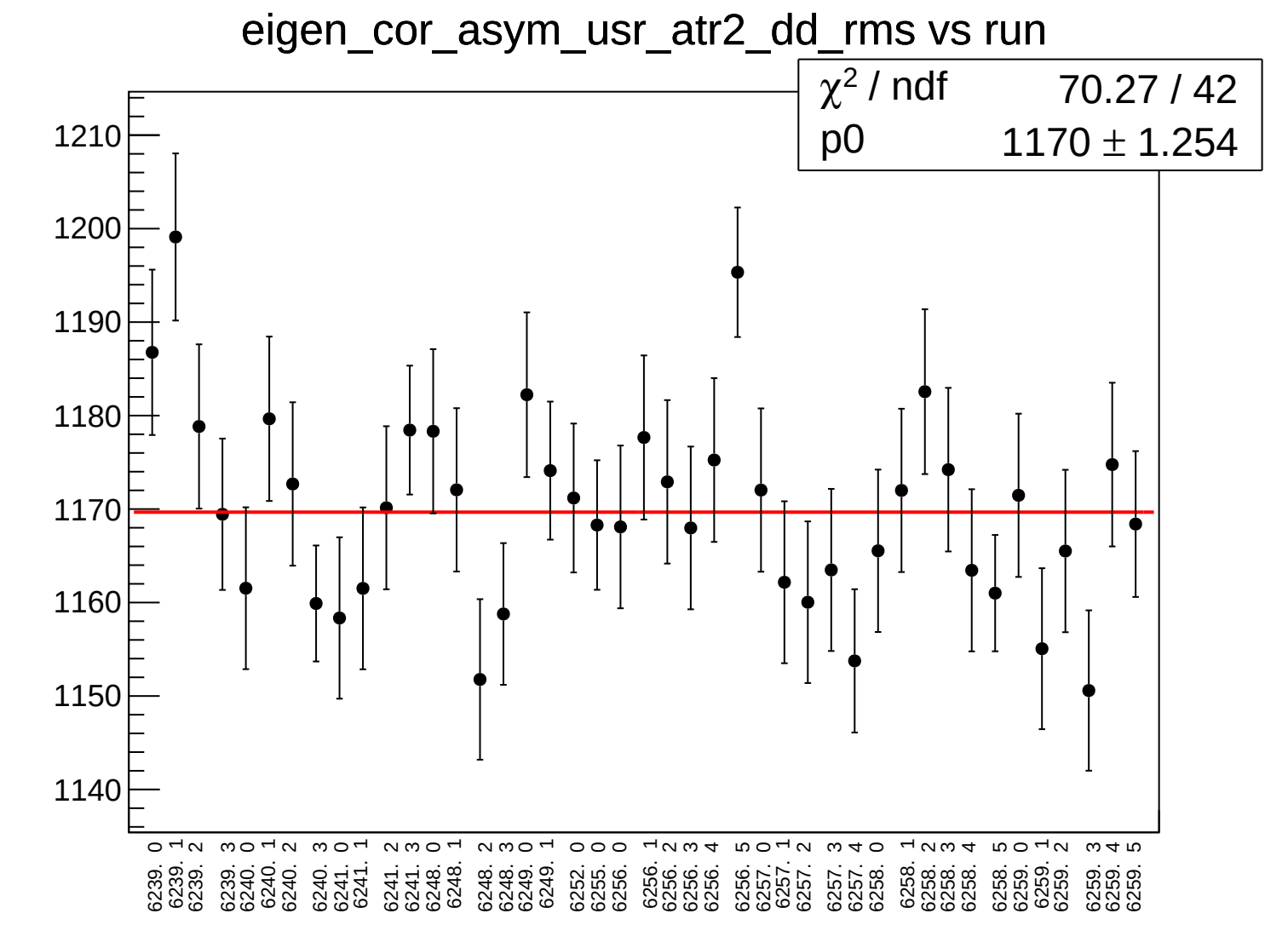
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.0283
Std Dev 0.9829
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 70.27 / 42
p0 1170 ± 1.254
1210
1200
1190
1180
1170
1160
1150
1140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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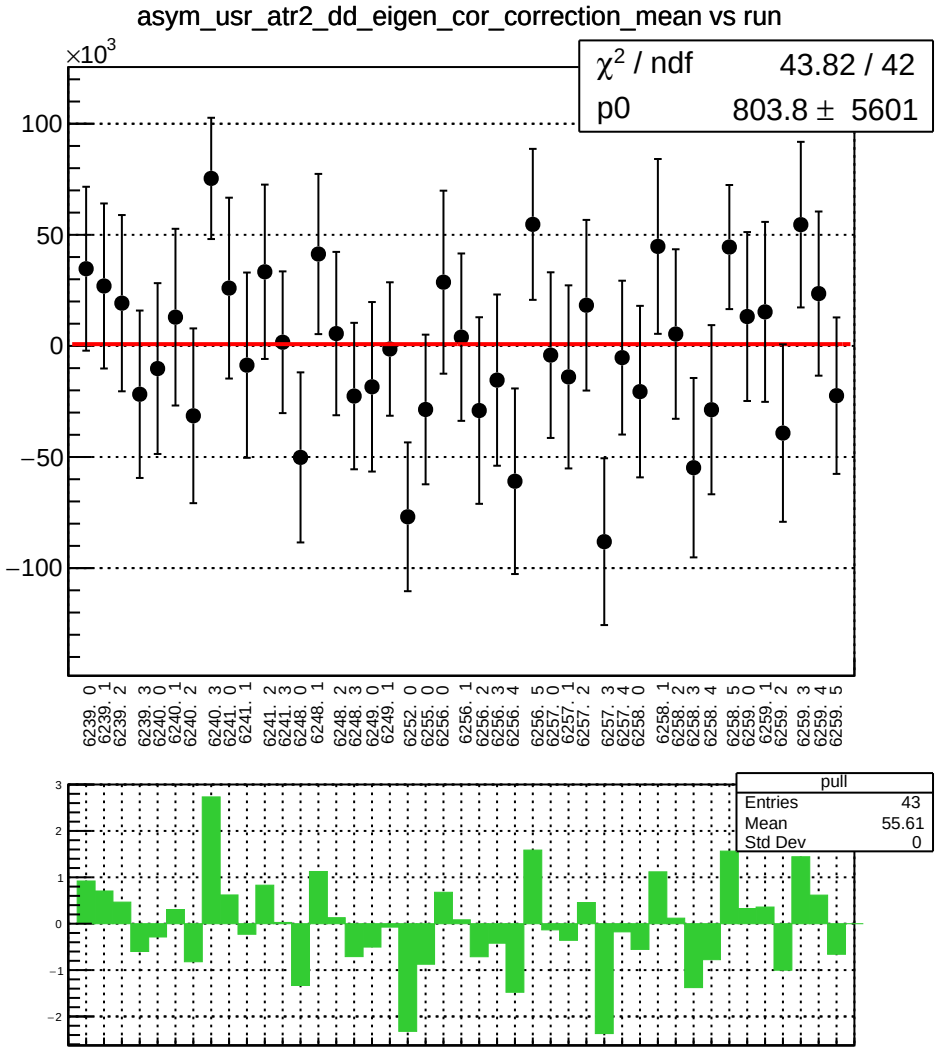
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 43.82 / 42
p0 803.8 ± 5601
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
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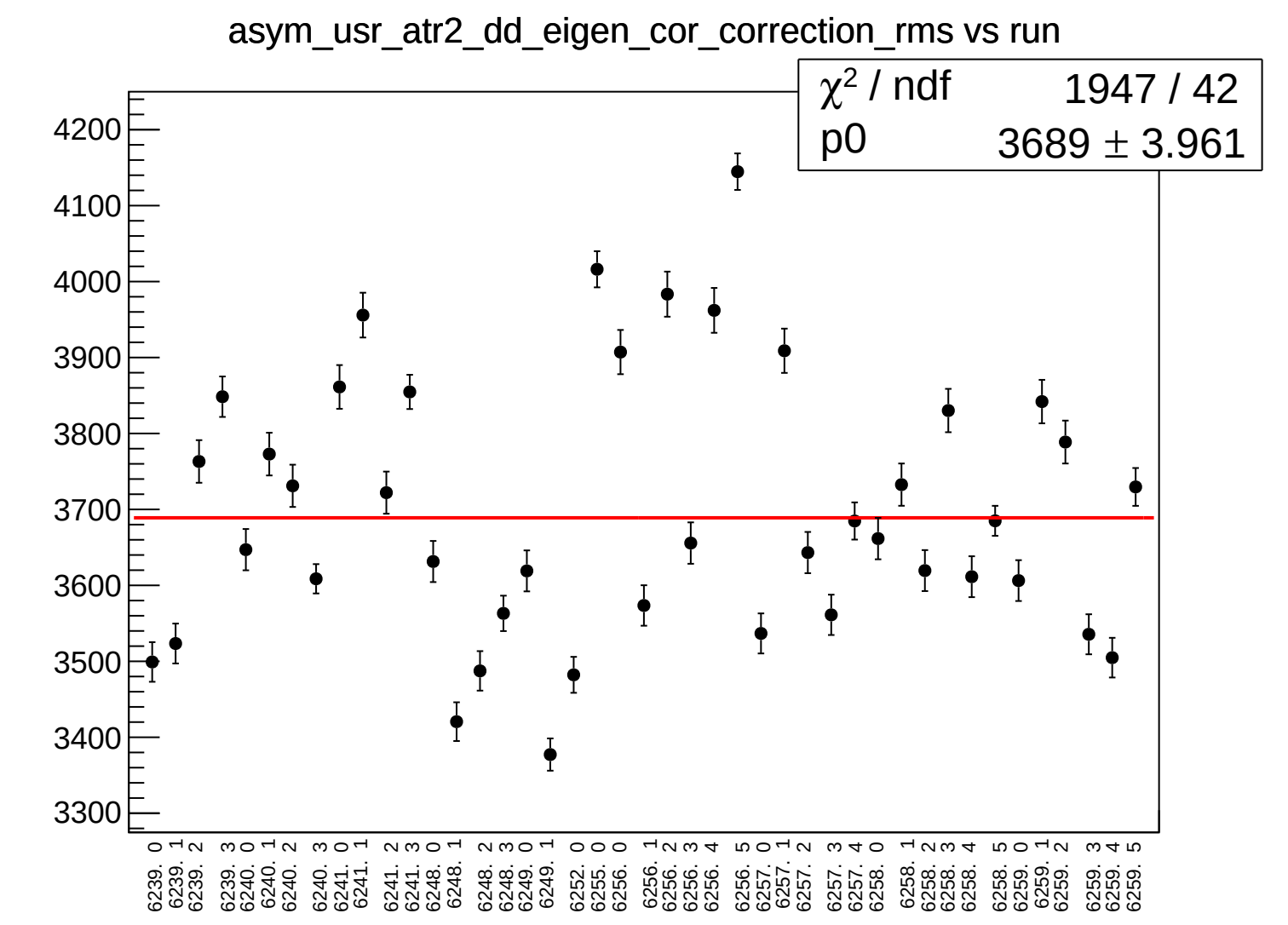
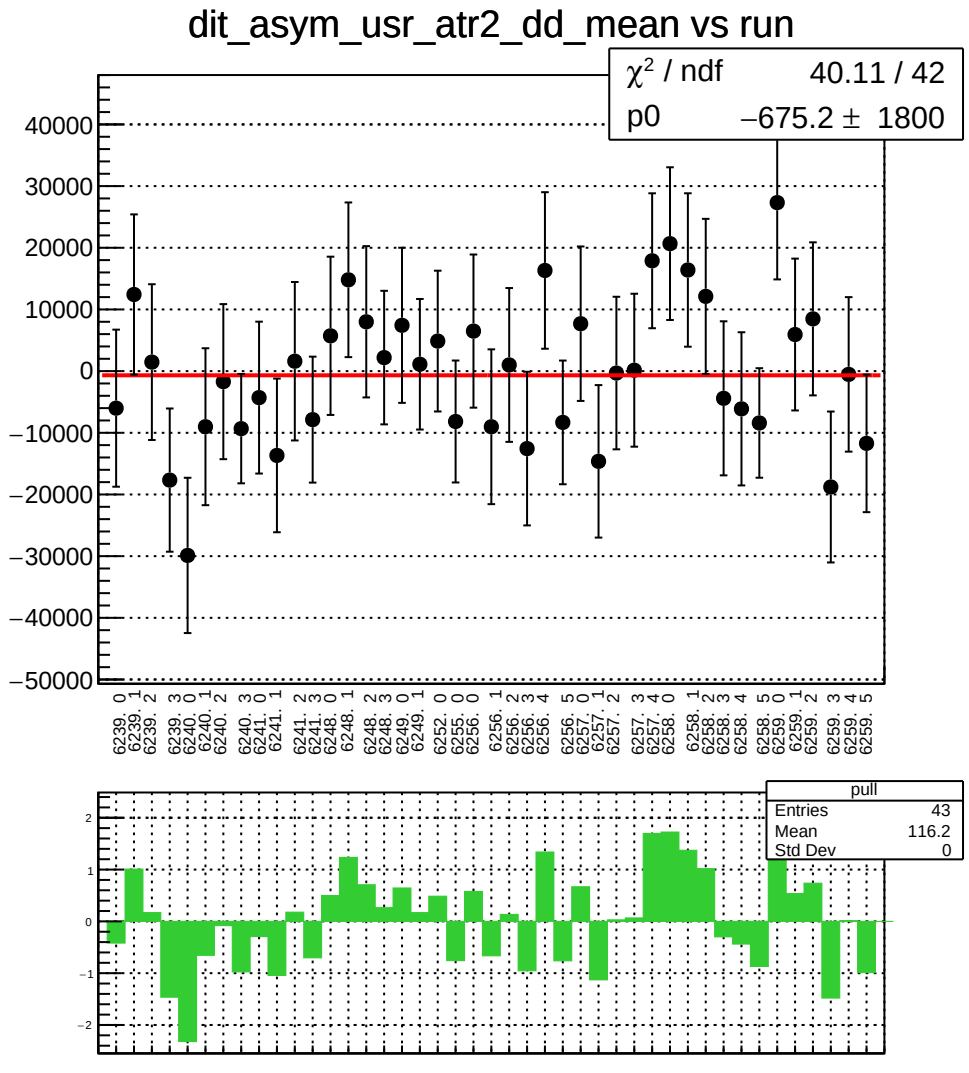
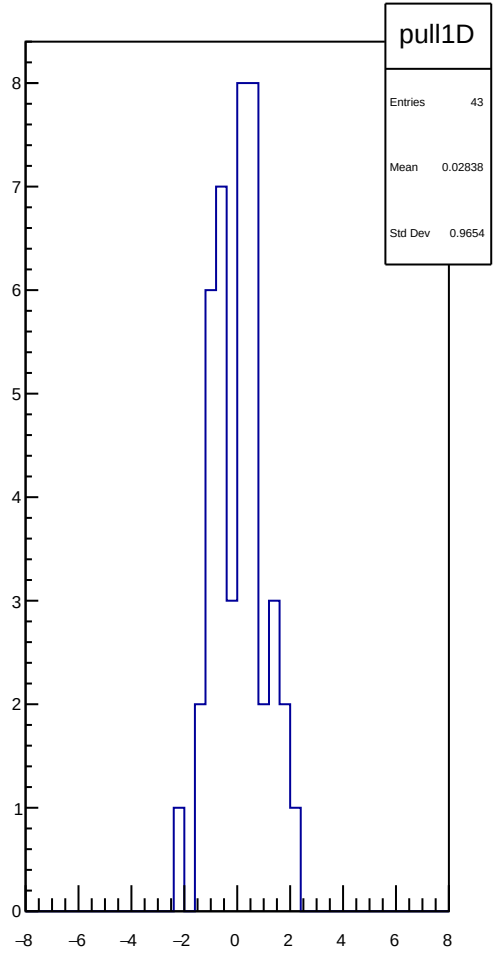
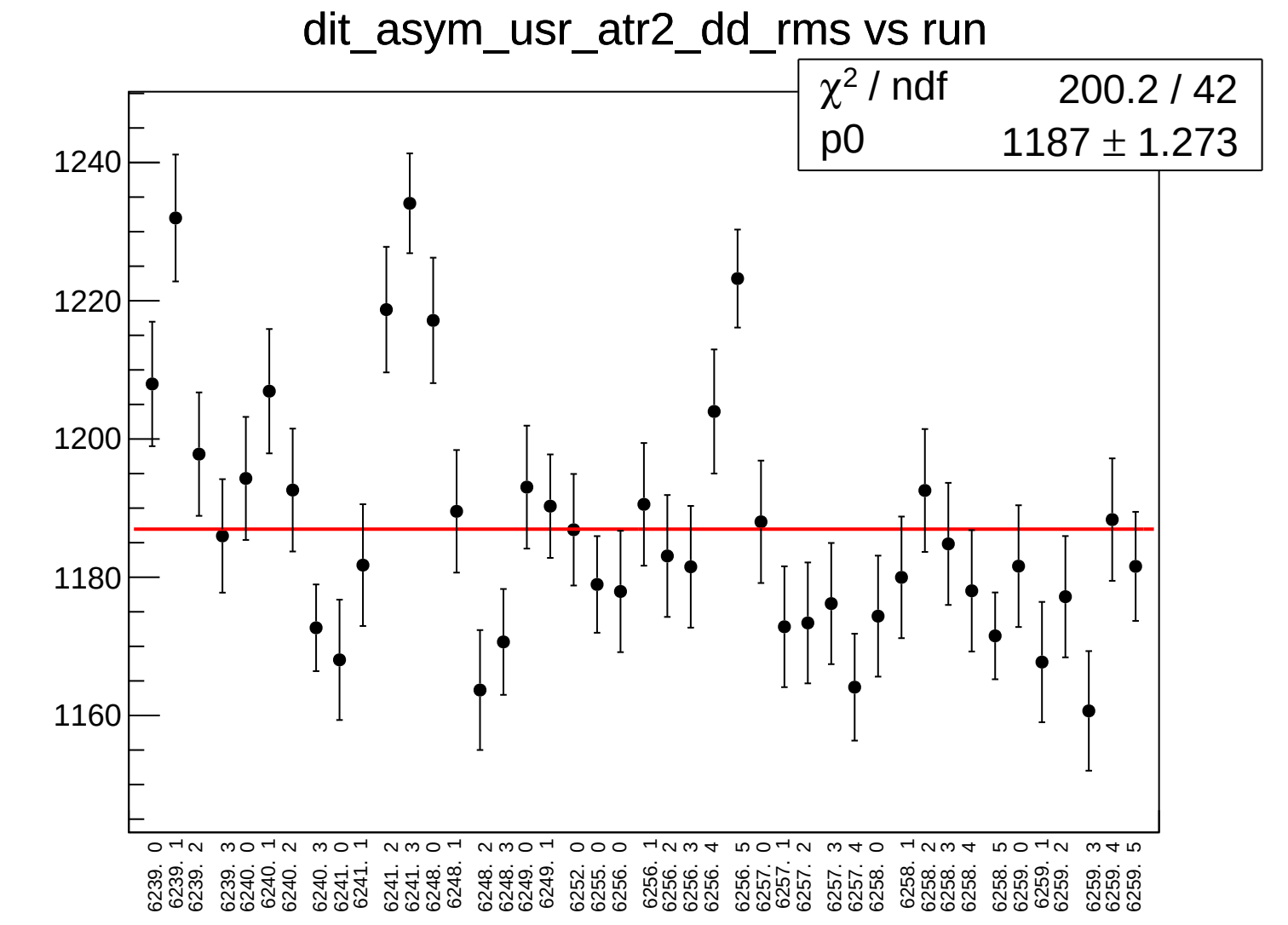
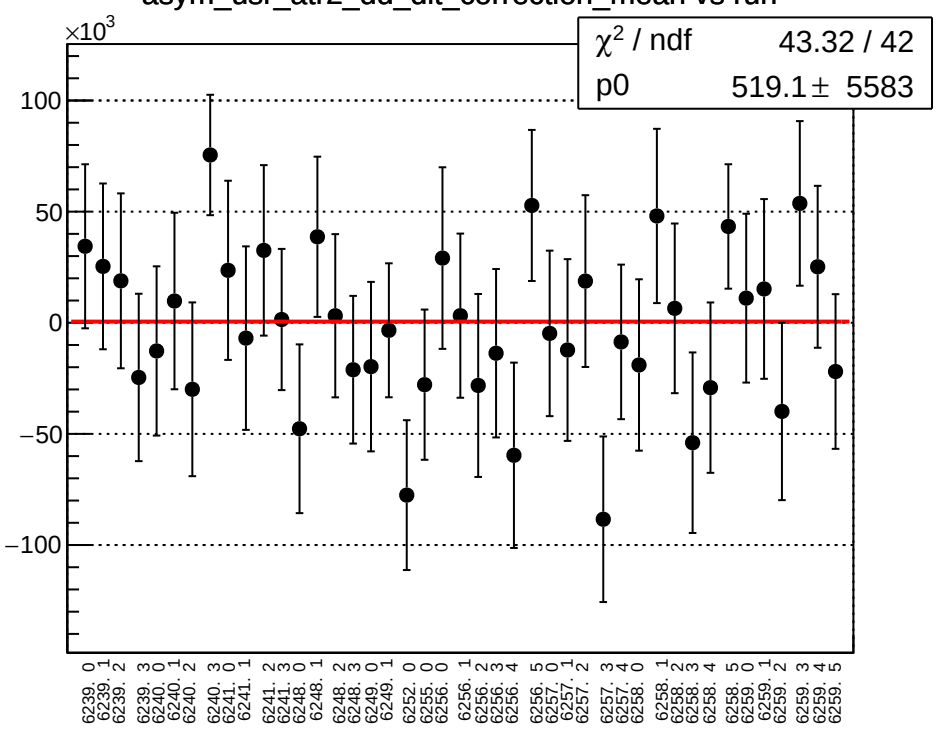
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.61
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03593
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

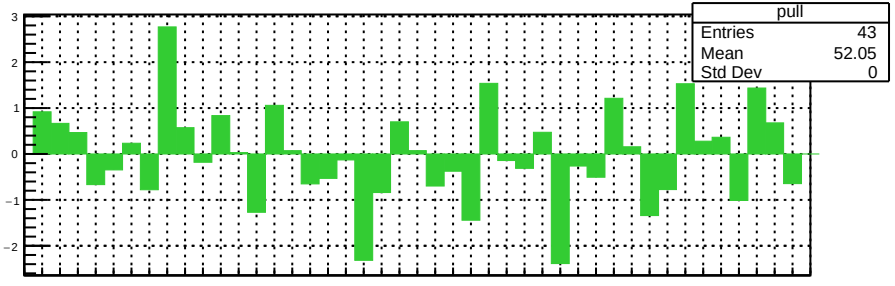

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1947 / 42
p0 3689 ± 3.961
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

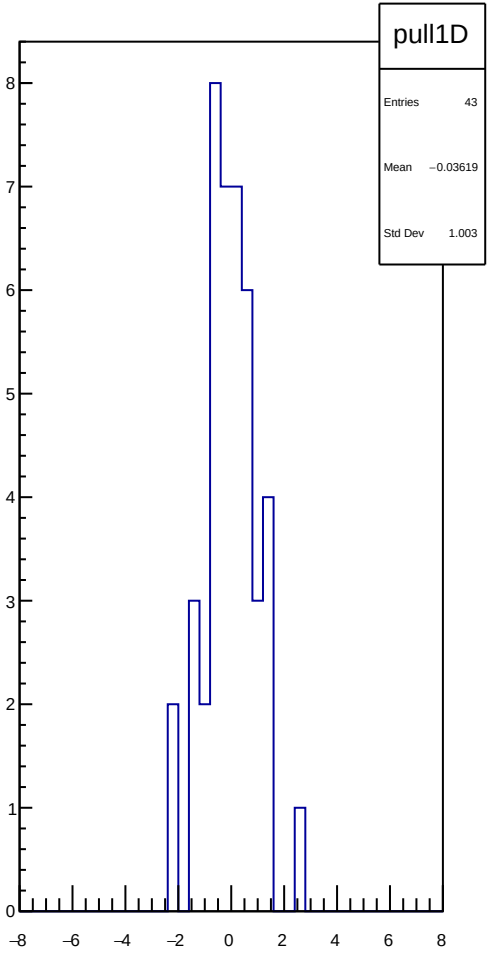

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 40.11 / 42
p0 −675.2 ± 1800
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.2
Std Dev 0
2
1
0
−1
−2

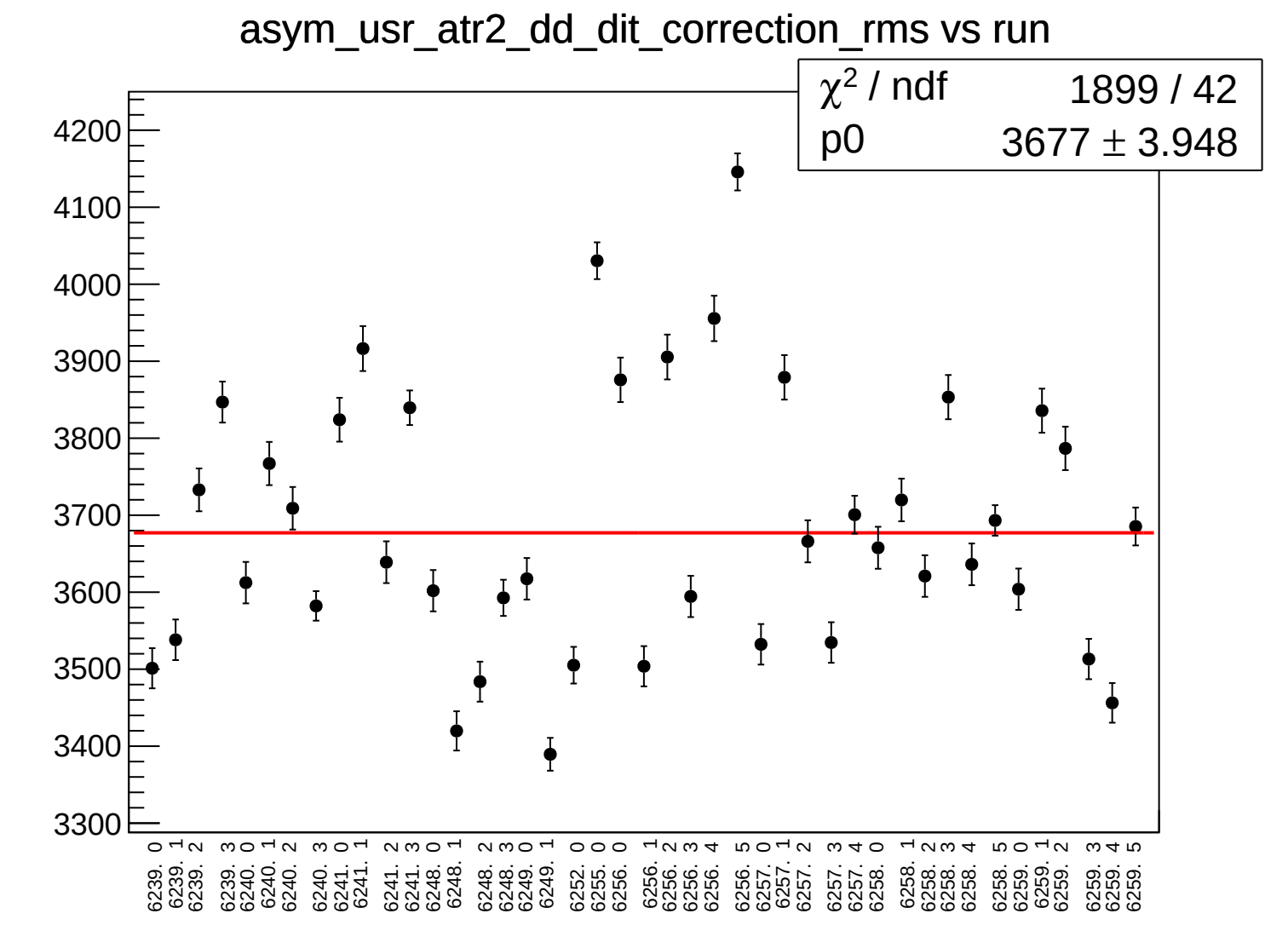

pull1D
Entries 43
Mean 0.02838
Std Dev 0.9654
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

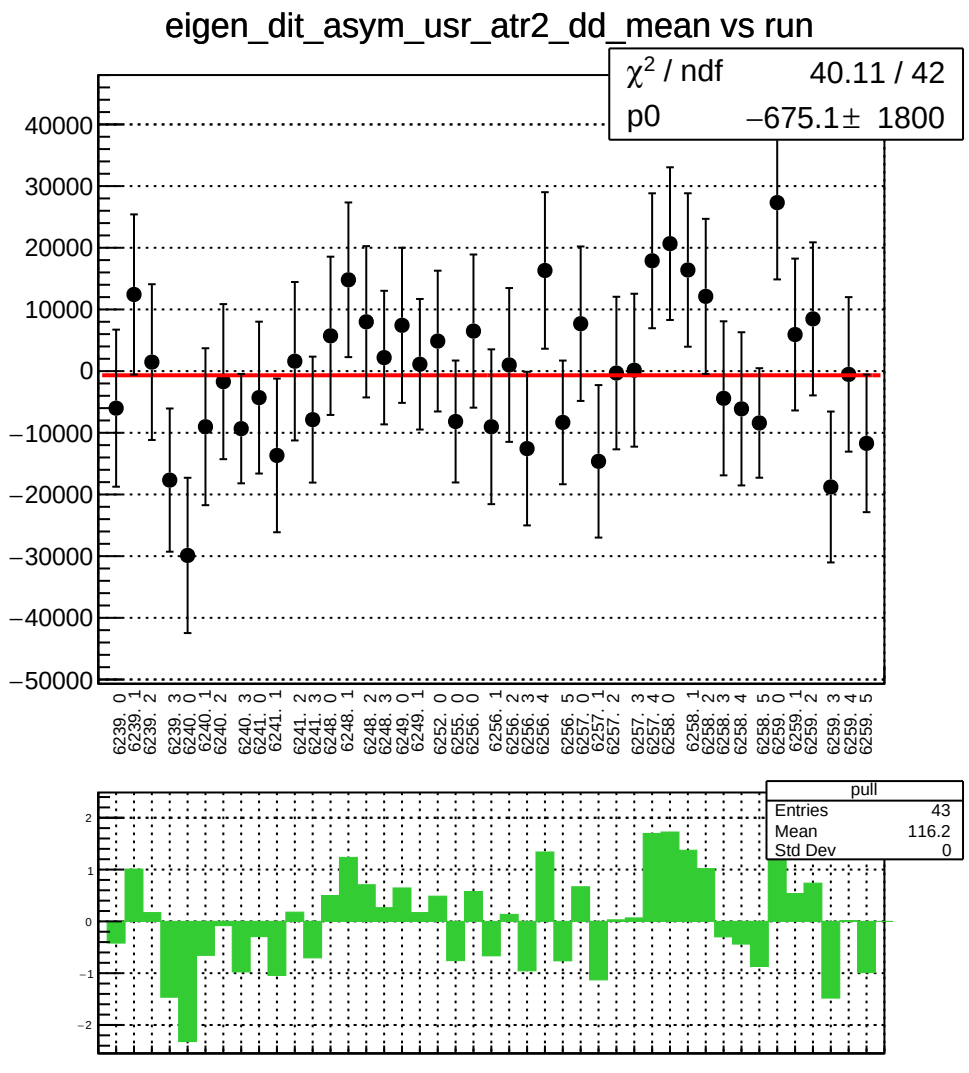

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 200.2 / 42
p0 1187 ± 1.273
1240
1220
1200
1180
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

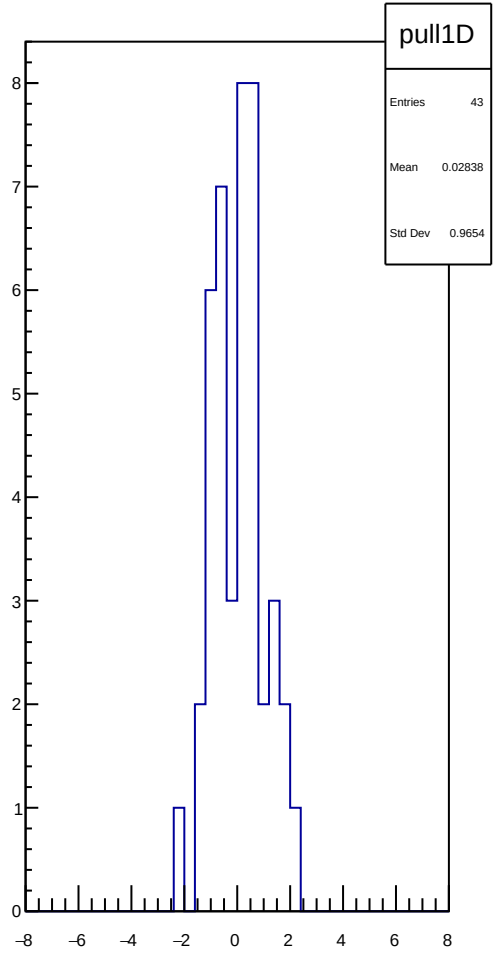

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.32 / 42
p0 519.1 ± 5583
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

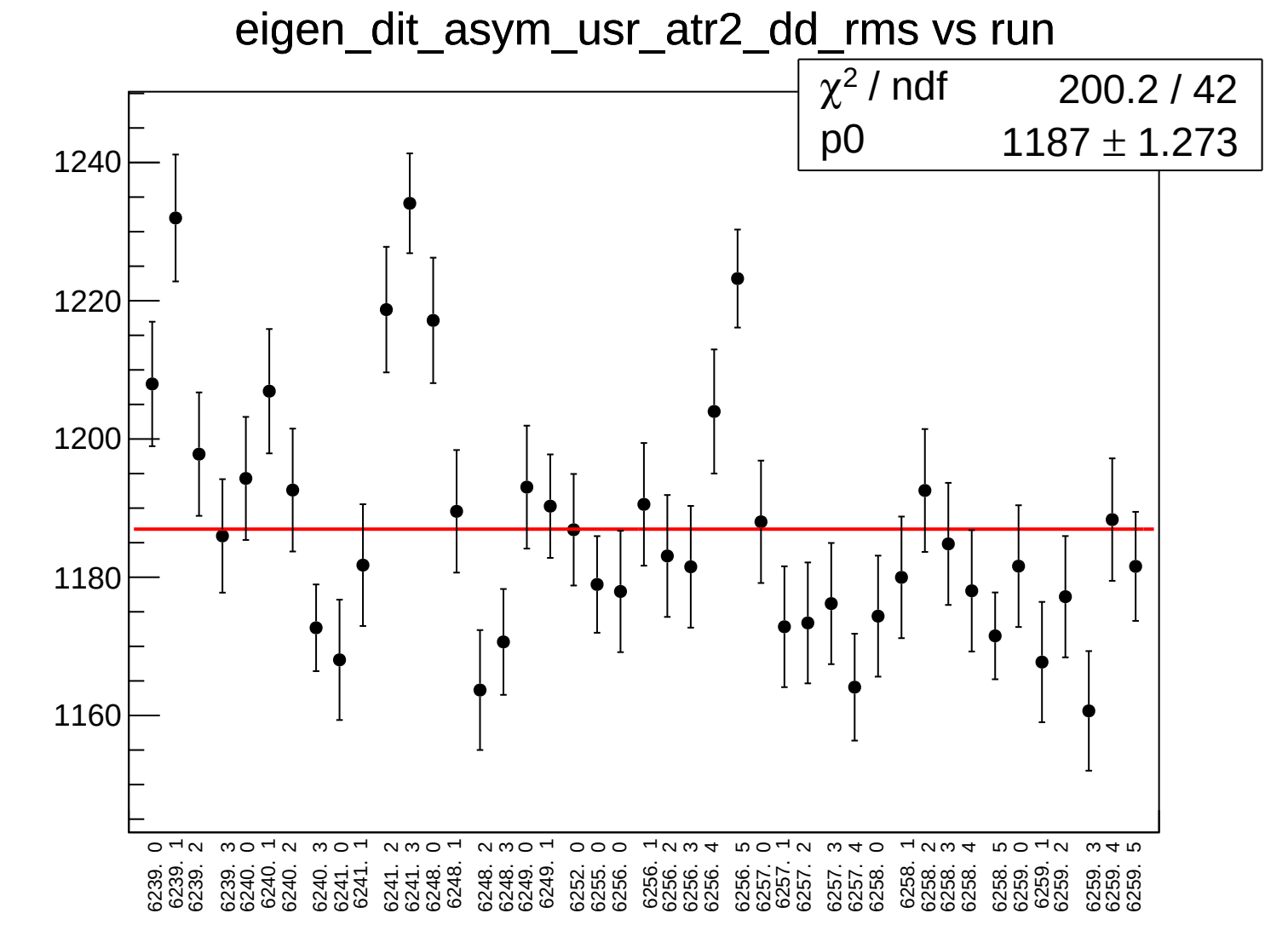

pull
Entries 43
Mean 52.05
Std Dev 0
3
2
1
0
−1
−2

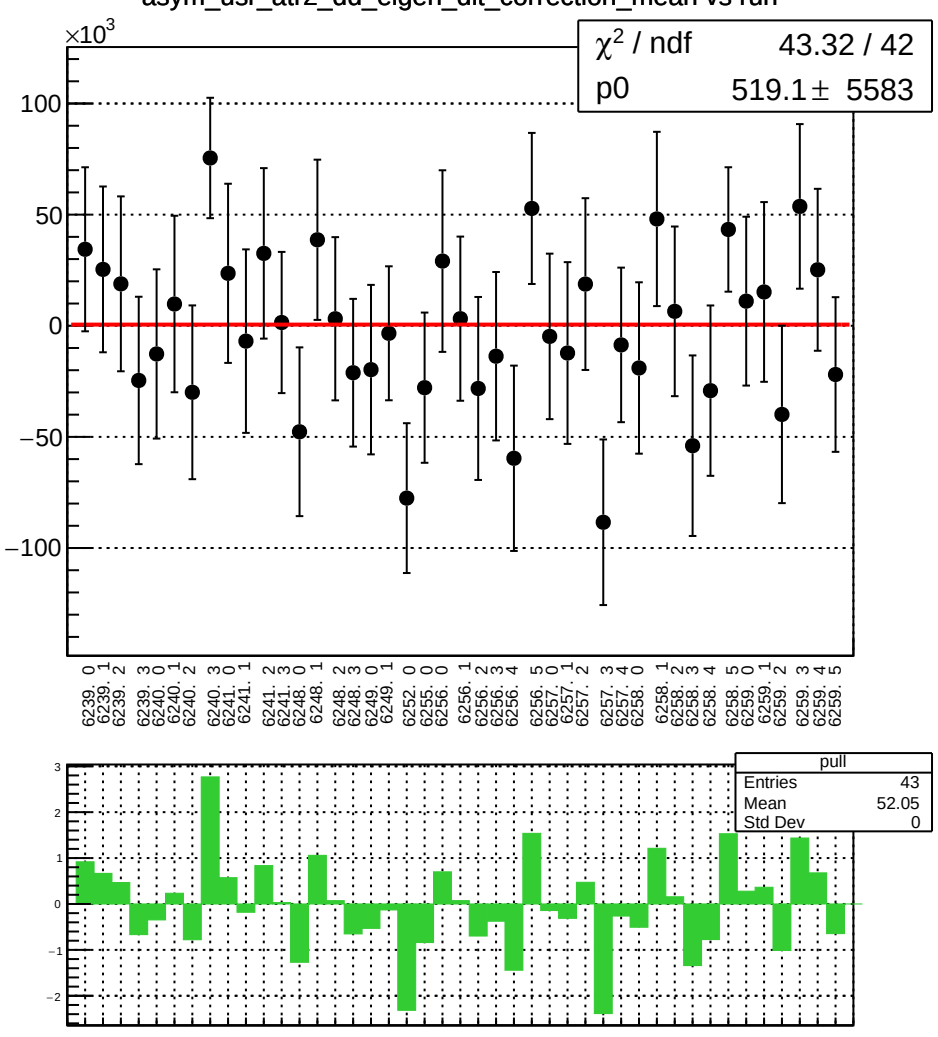

pull1D
Entries 43
Mean −0.03619
Std Dev 1.003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

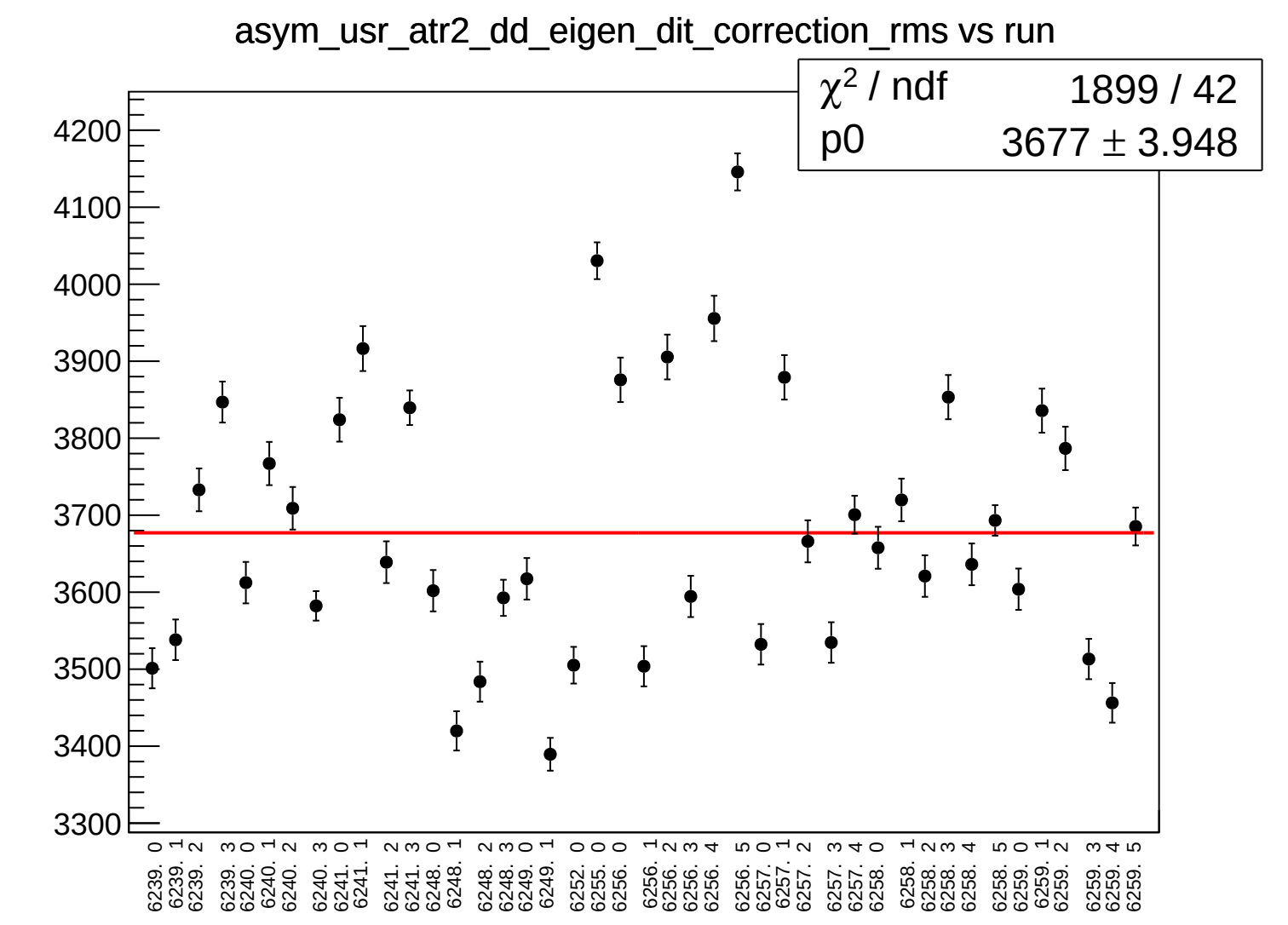

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 1899 / 42
p0 3677 ± 3.948
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

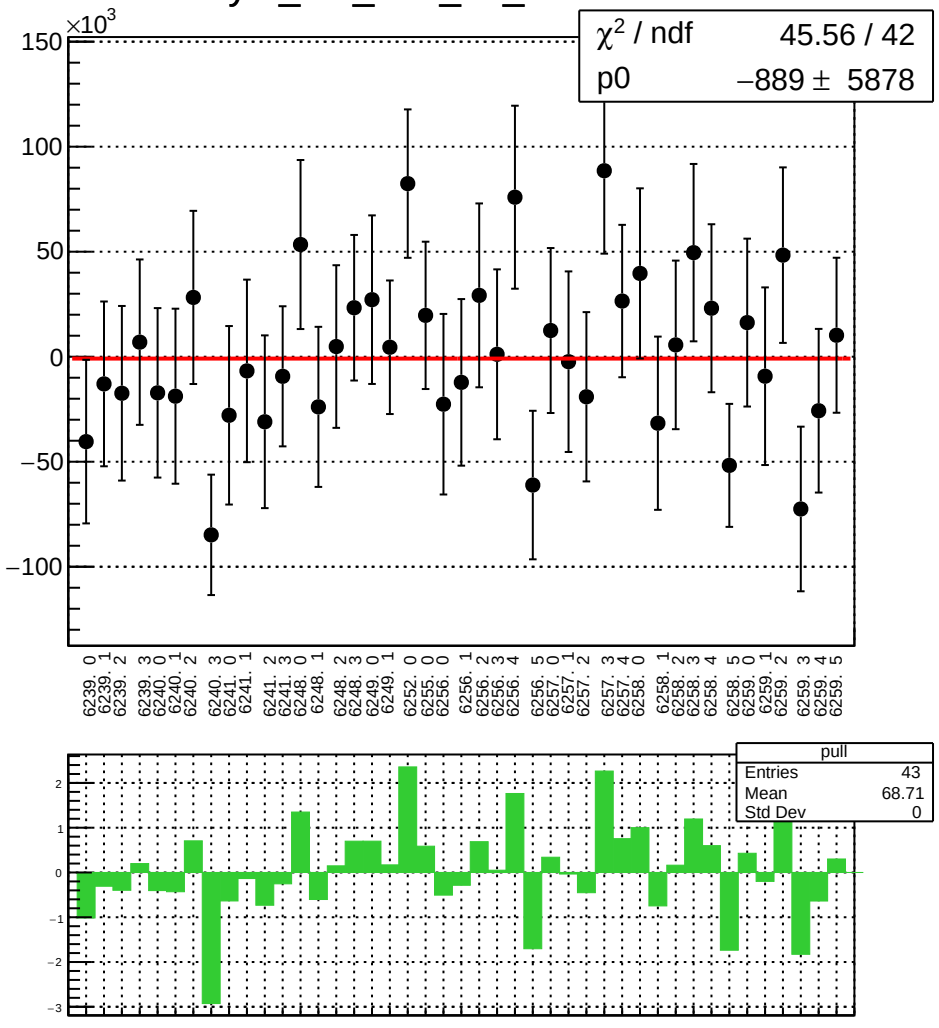

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 40.11 / 42
p0 −675.1± 1800
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.2
Std Dev 0
2
1
0
−1
−2

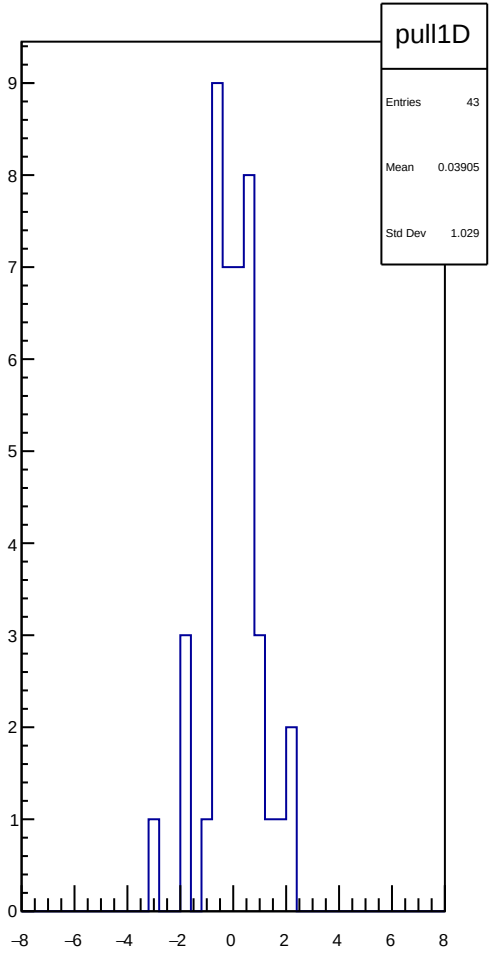

pull1D
Entries 43
Mean 0.02838
Std Dev 0.9654
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

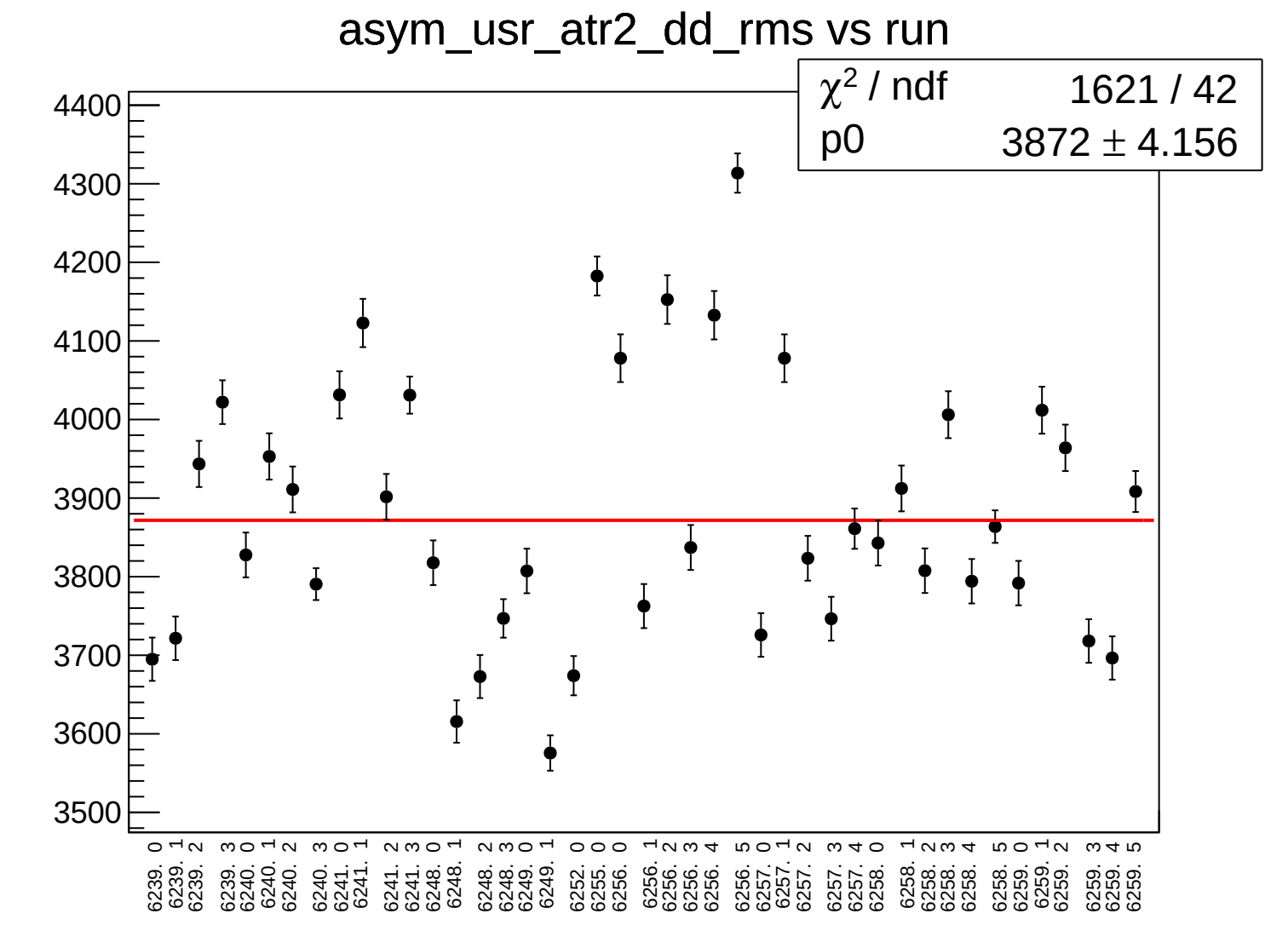

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 200.2 / 42
p0 1187 ± 1.273
1240
1220
1200
1180
1160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

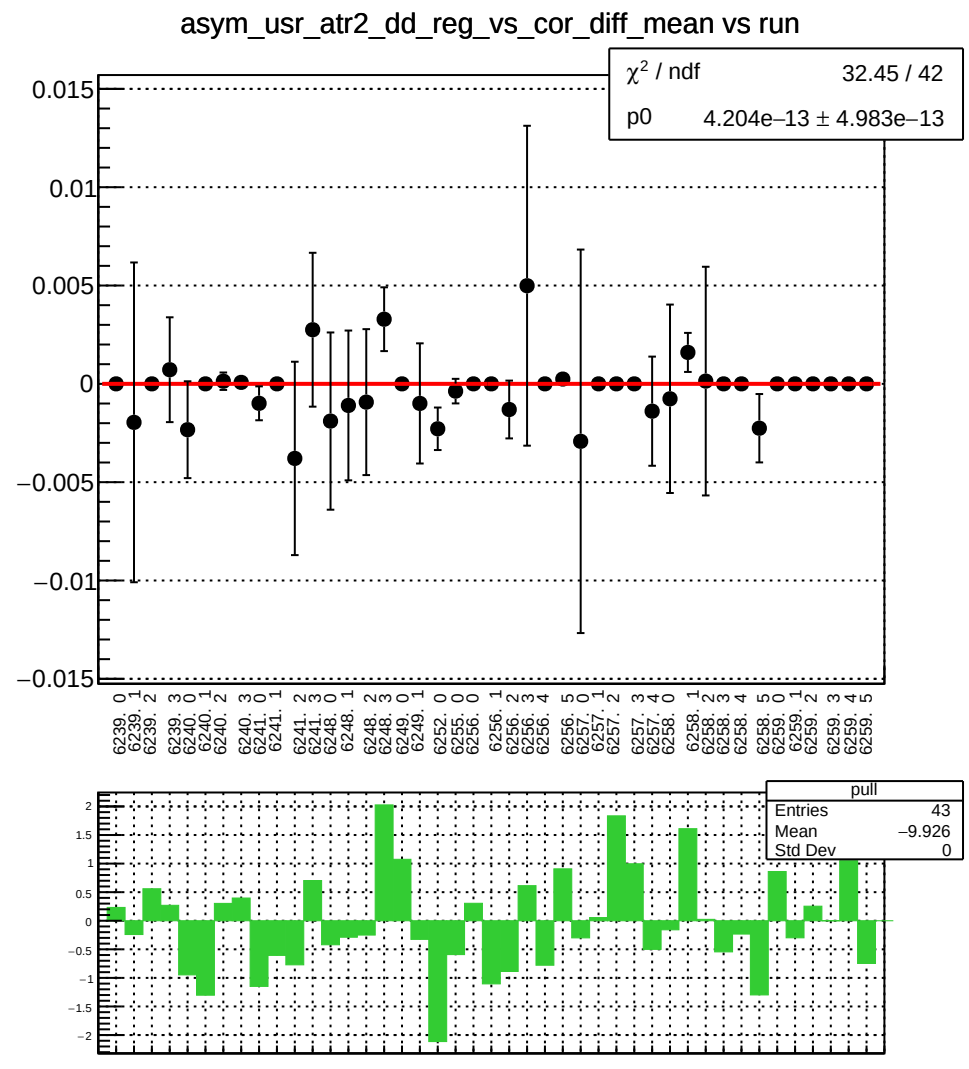

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.32 / 42
p0 519.1 ± 5583
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.05
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03619
Std Dev 1.003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

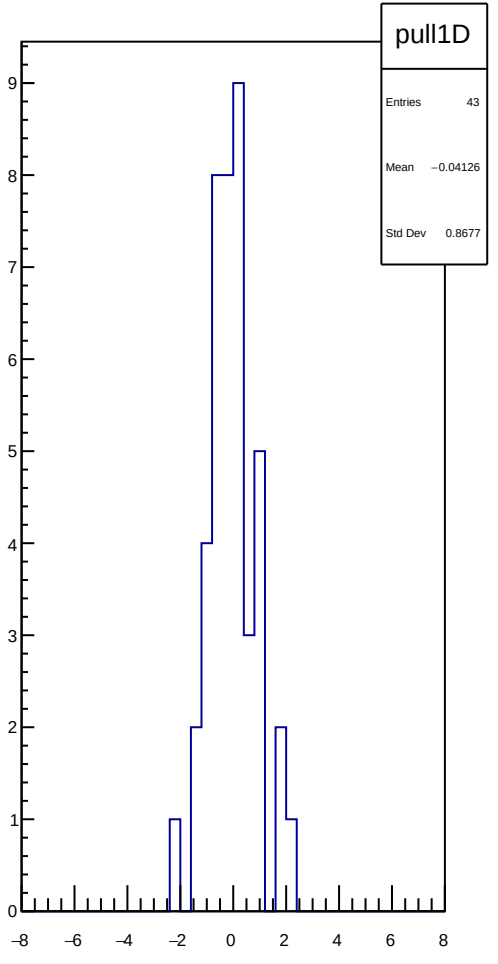

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1899 / 42
p0 3677 ± 3.948
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

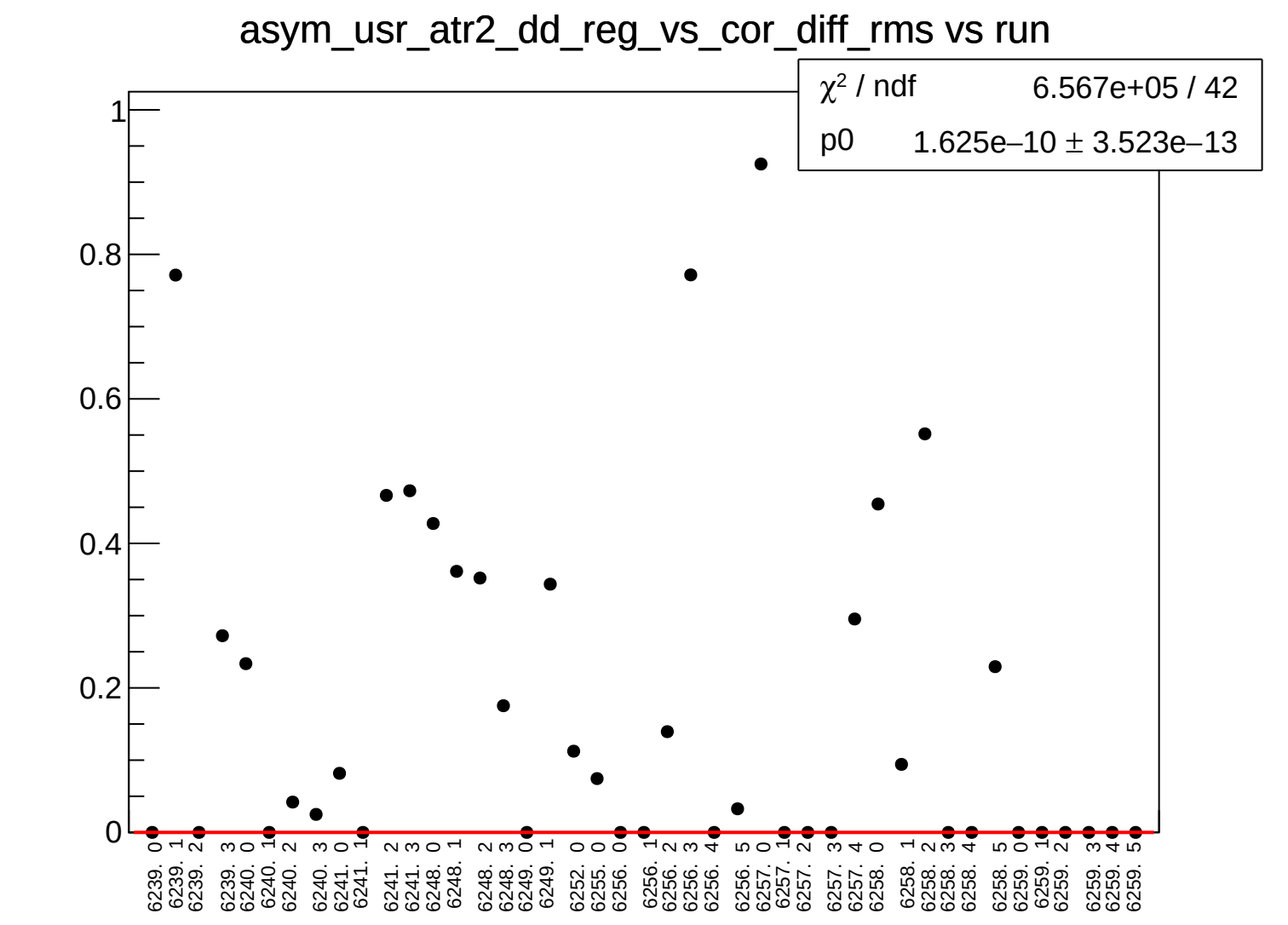

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 45.56 / 42
p0 −889 ± 5878
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.71
Std Dev 0
2
1
0
−1
−2
−3

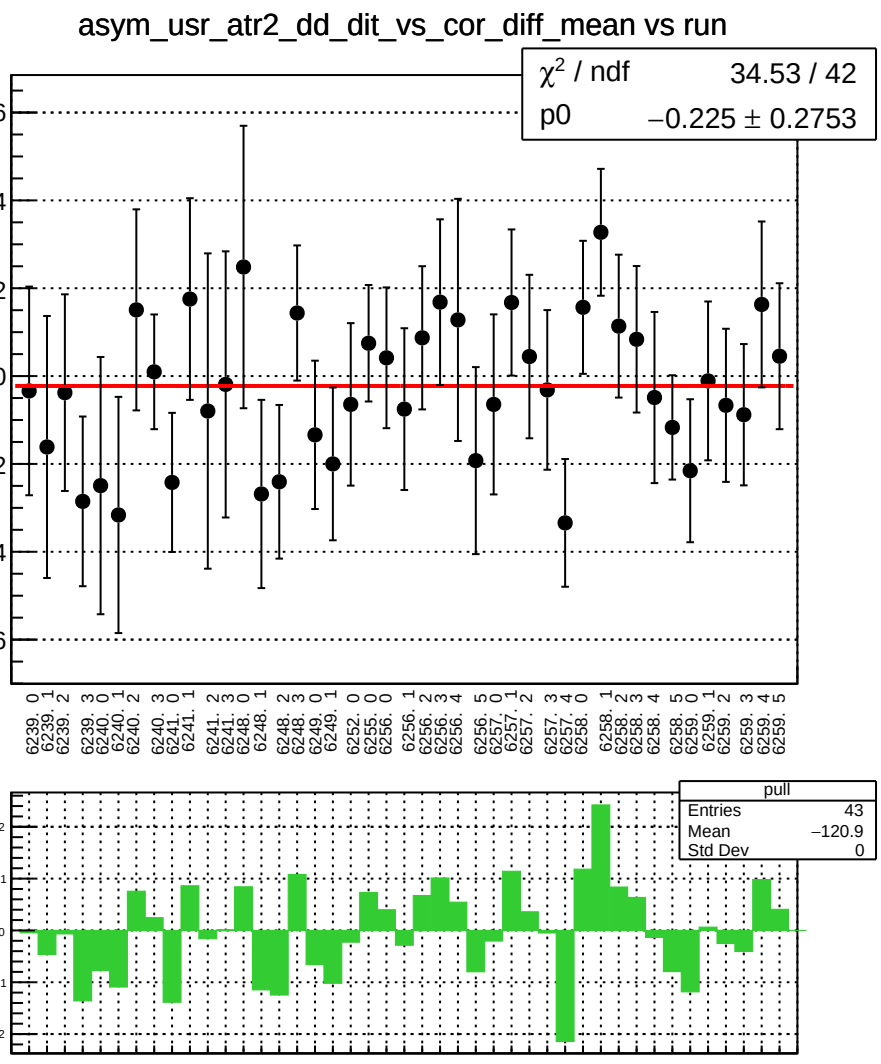

pull1D
Entries 43
Mean 0.03905
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

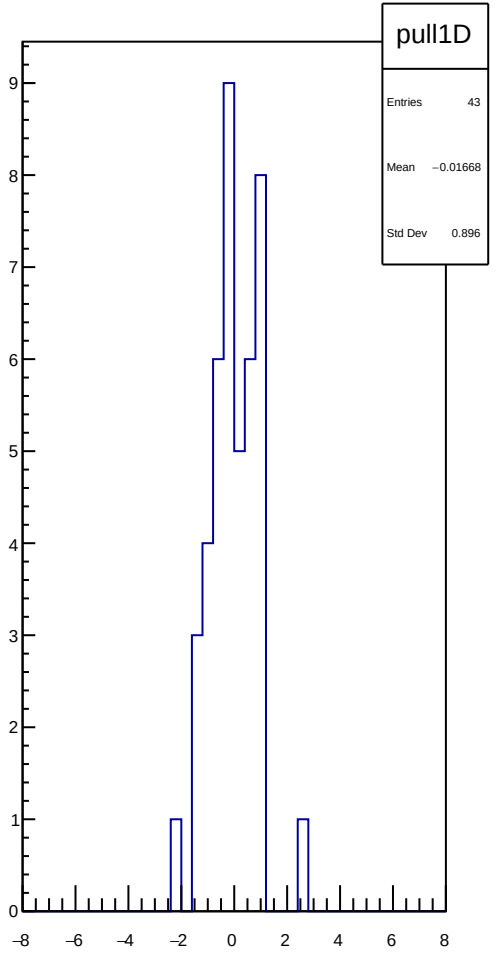

asym_usr_atr2_dd_rms vs run
χ² / ndf 1621 / 42
p0 3872 ± 4.156
4400
4300
4200
4100
4000
3900
3800
3700
3600
3500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

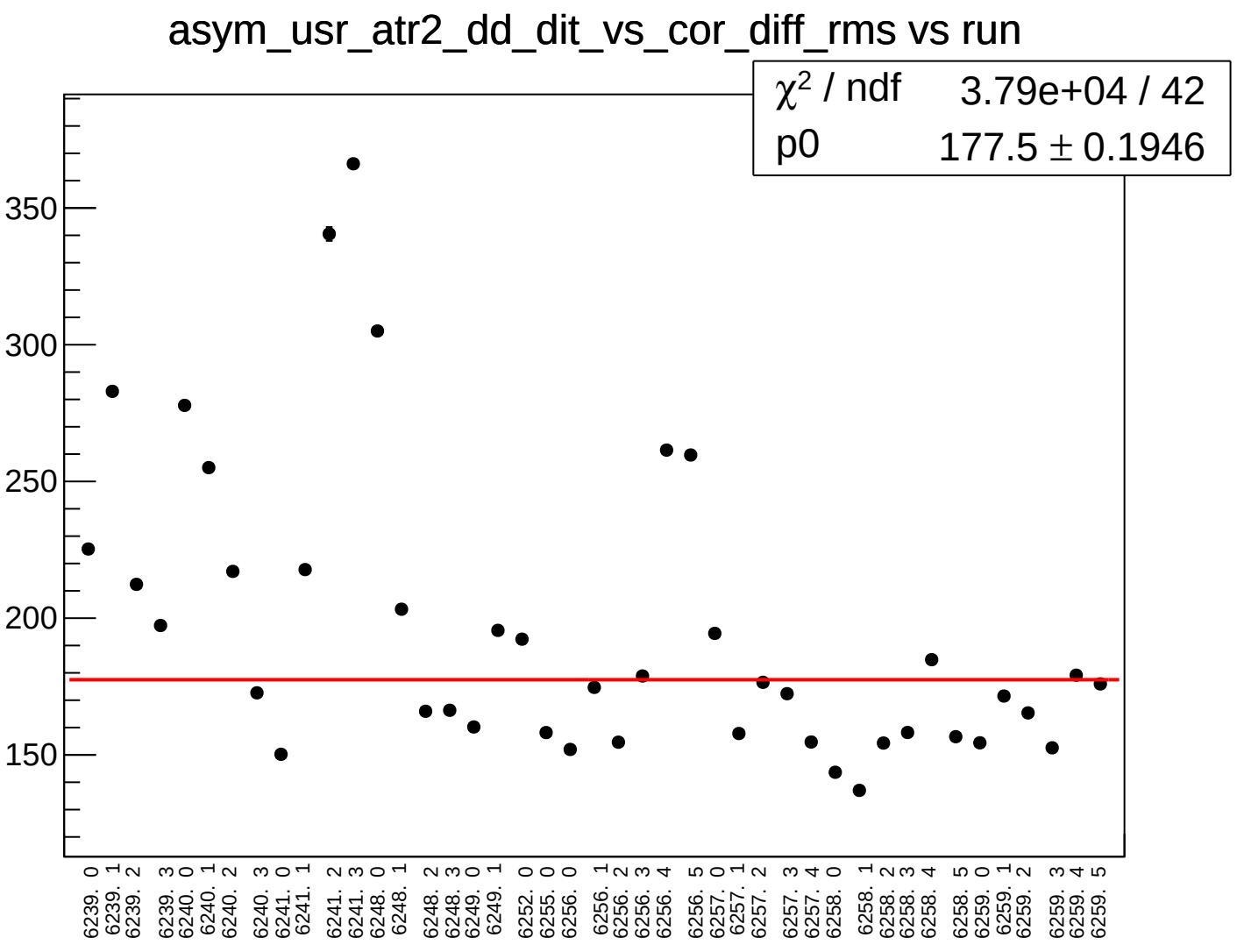

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.45 / 42
p0 4.204e−13 ± 4.983e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −9.926
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

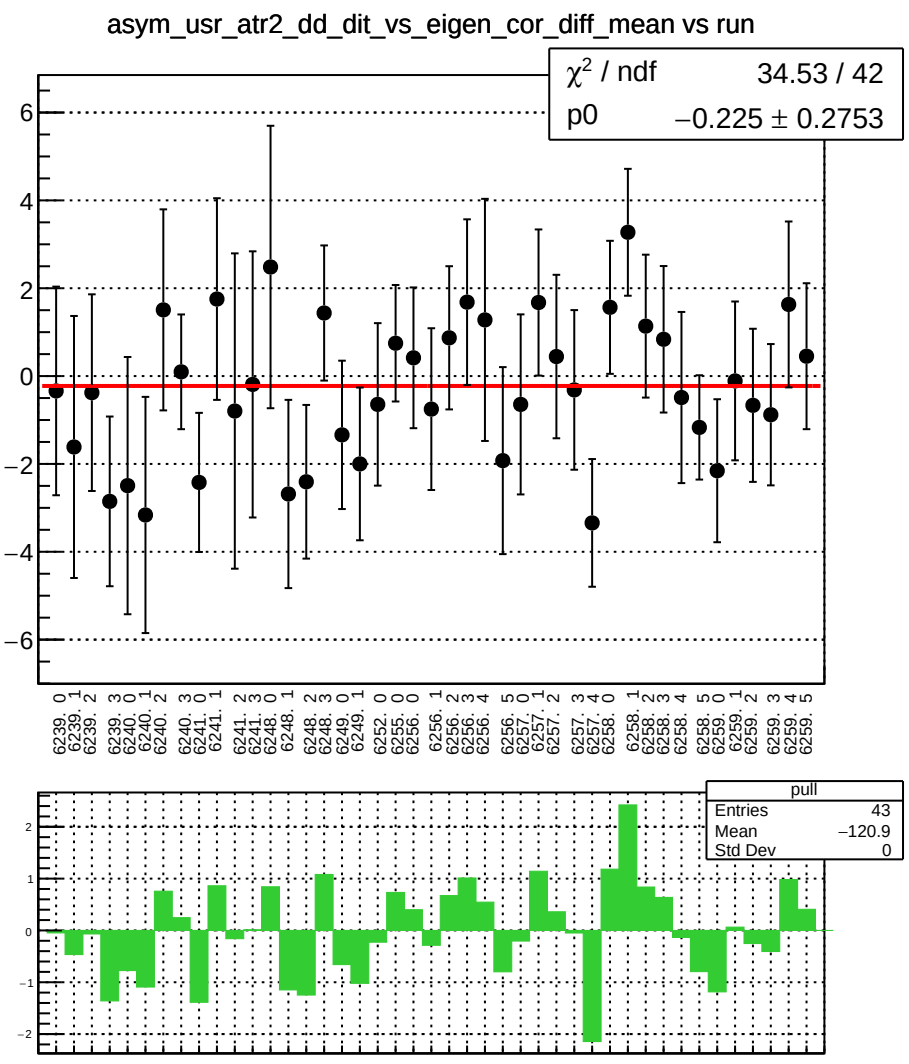

pull1D
Entries 43
Mean −0.04126
Std Dev 0.8677
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

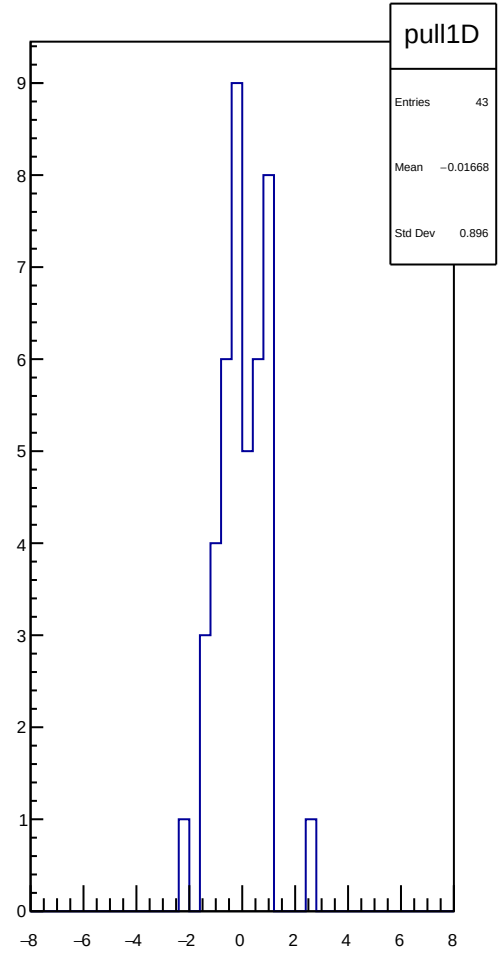

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.567e+05 / 42
p0 1.625e−10 ± 3.523e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

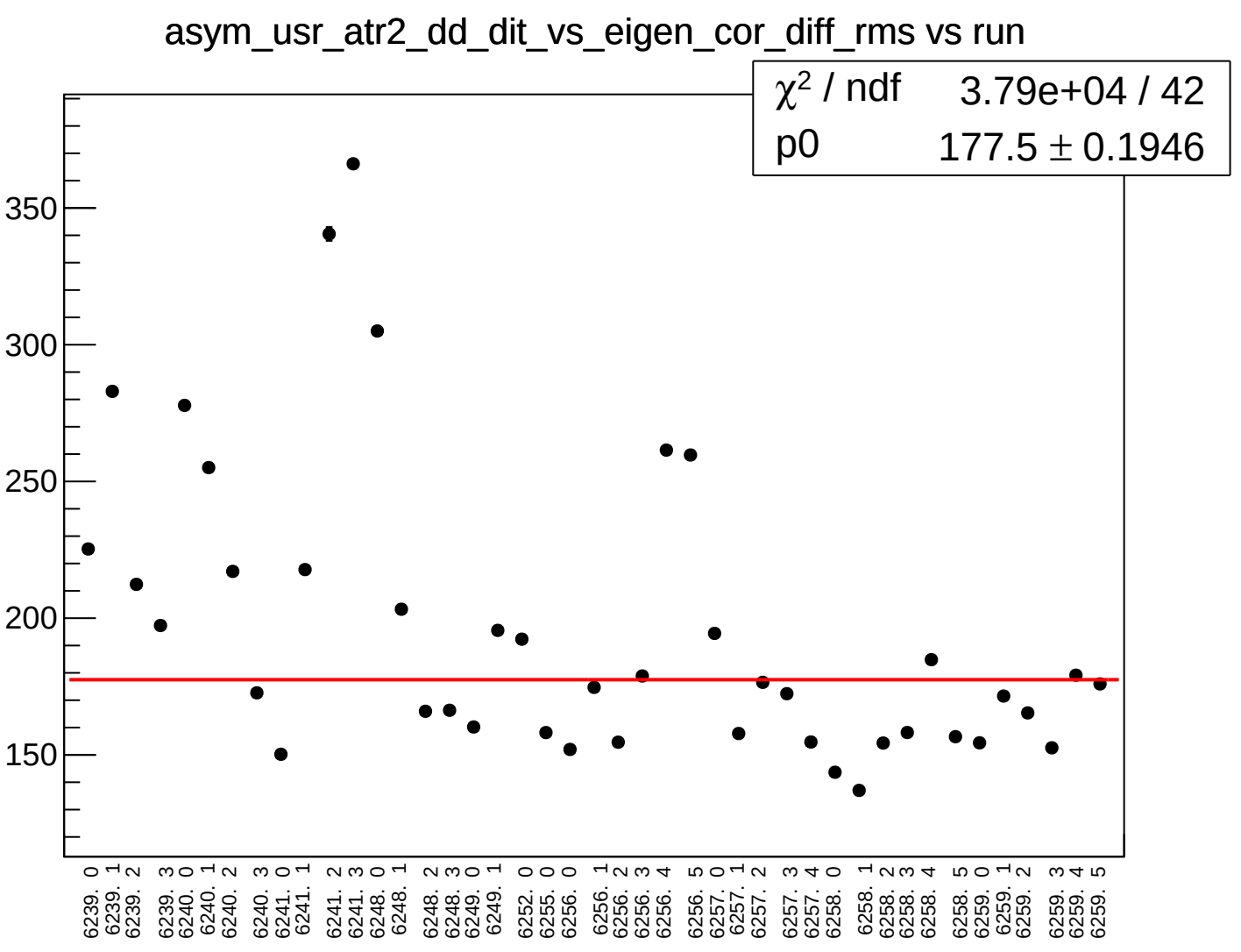

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.53 / 42
p0 −0.225 ± 0.2753
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.9
Std Dev 0
2
1
0
−1
−2

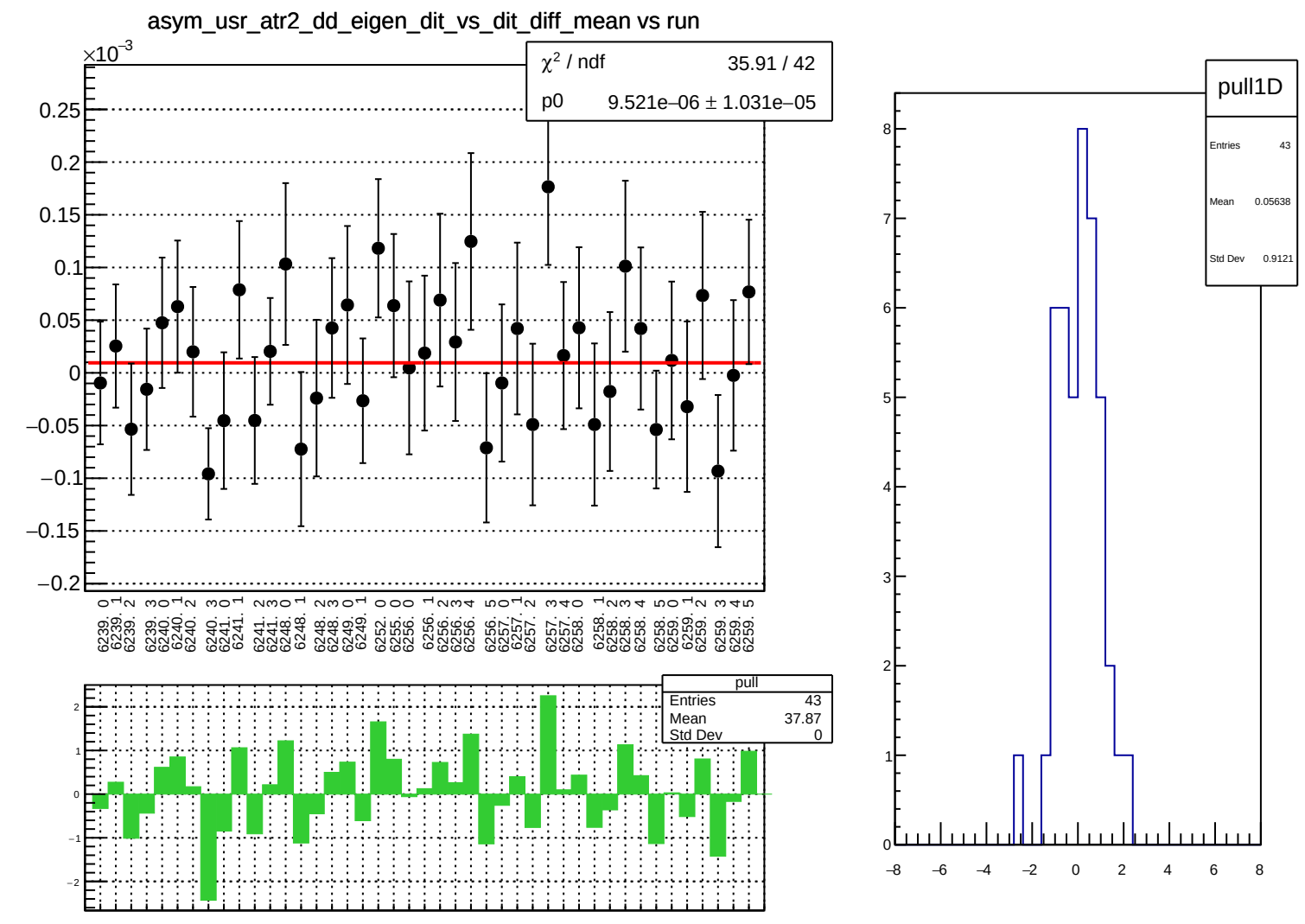

pull1D
Entries 43
Mean −0.01668
Std Dev 0.896
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

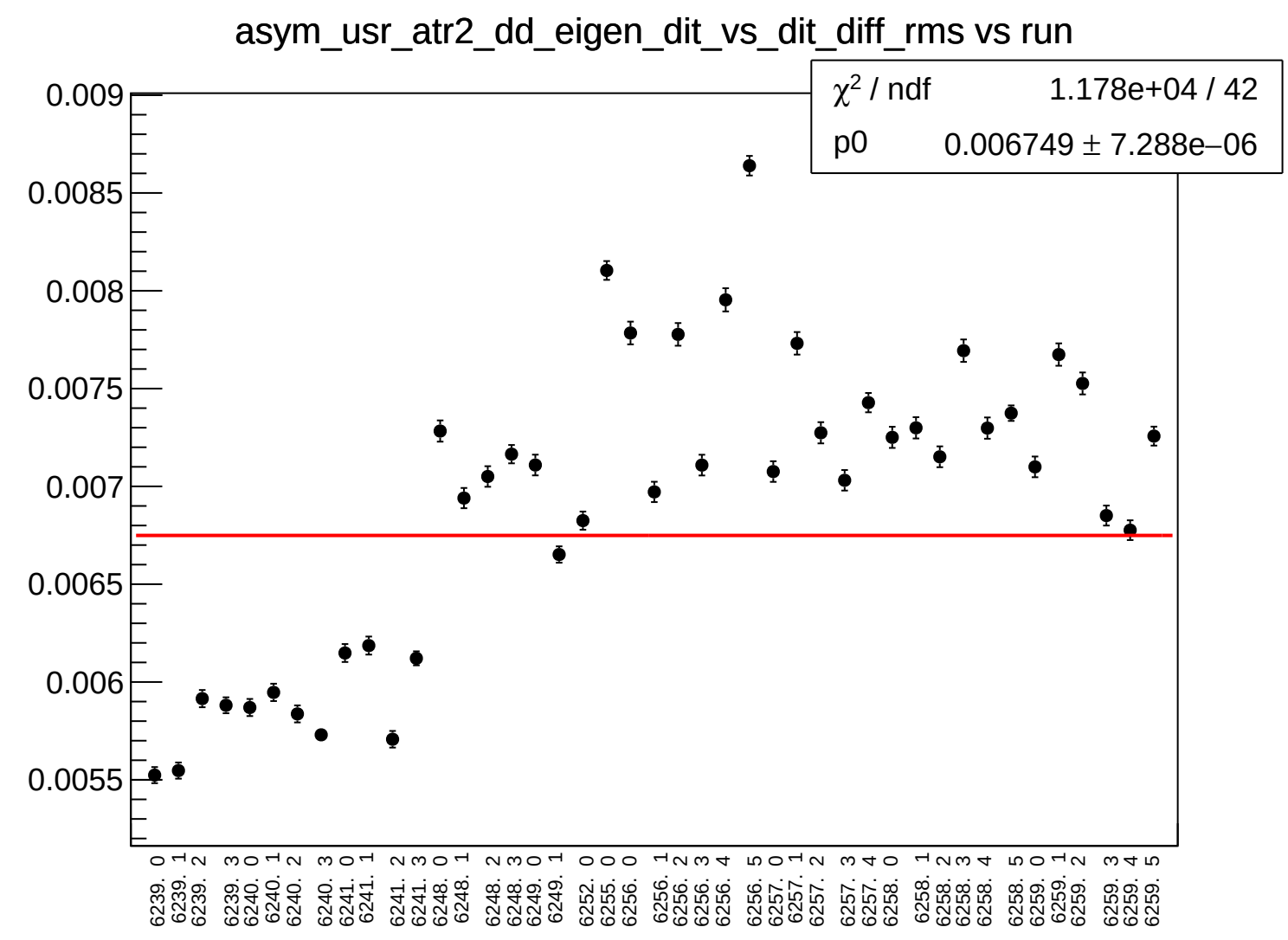

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.79e+04 / 42
p0 177.5 ± 0.1946
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

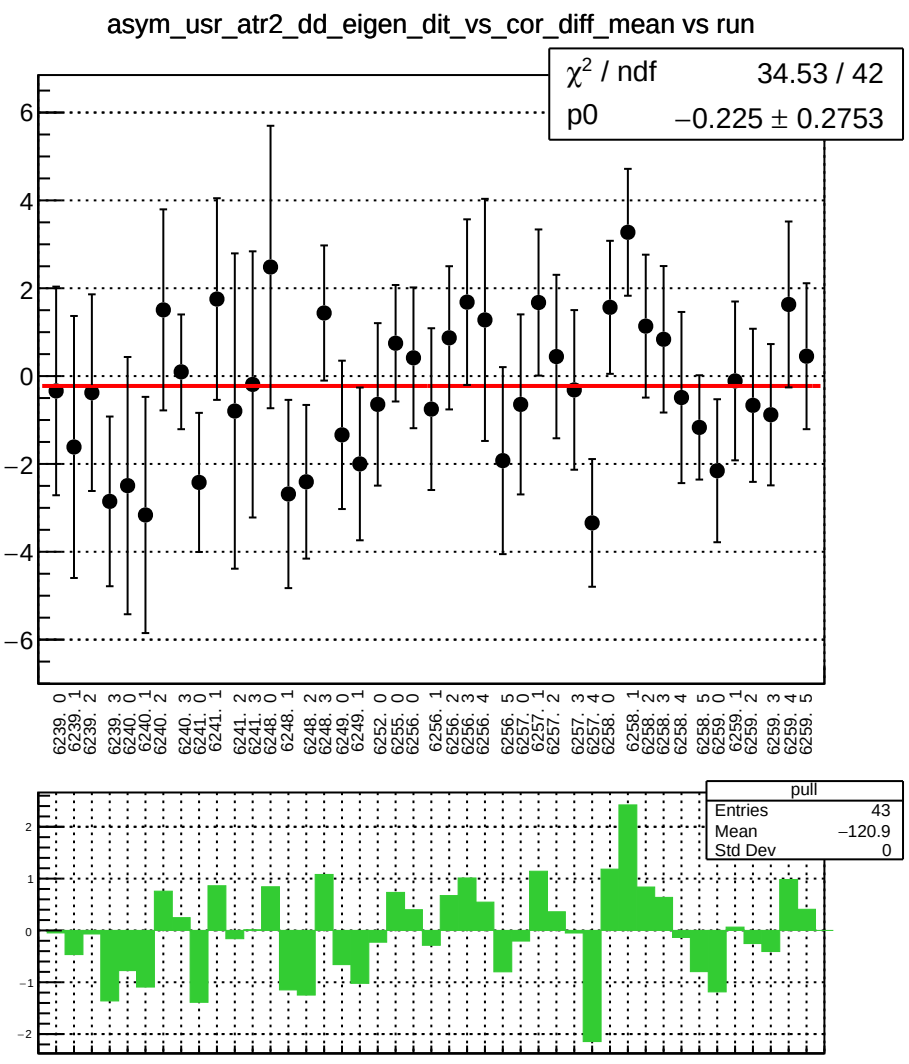

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.53 / 42
p0 −0.225 ± 0.2753
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.9
Std Dev 0
2
1
0
−1
−2

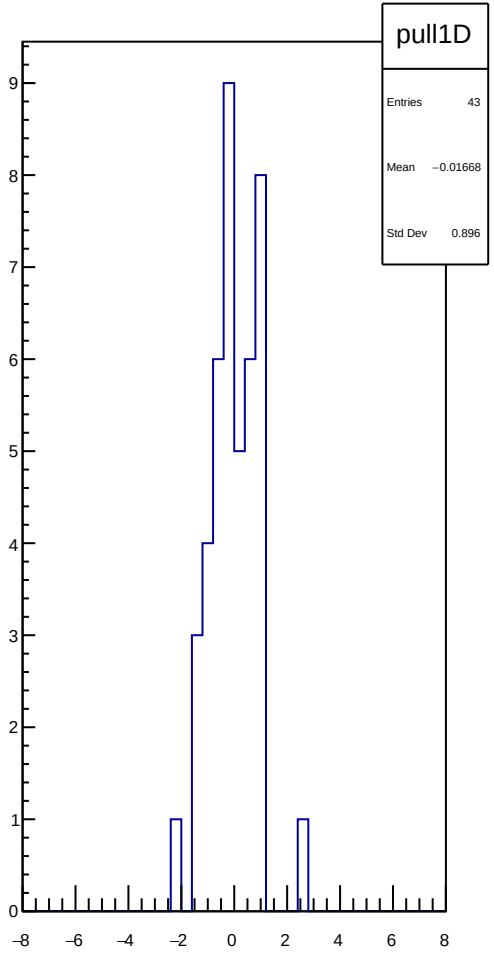

pull1D
Entries 43
Mean −0.01668
Std Dev 0.896
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

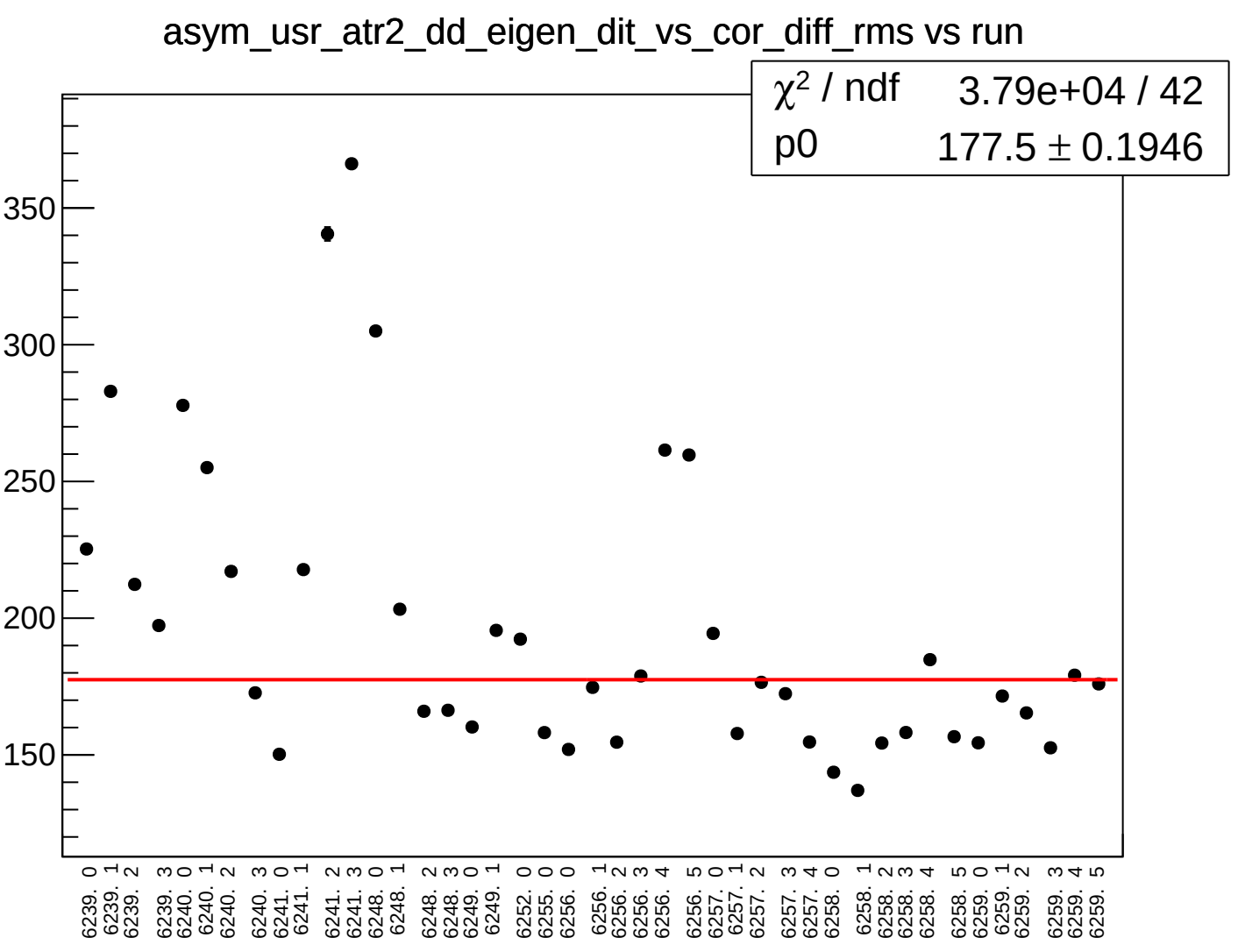

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.79e+04 / 42
p0 177.5 ± 0.1946
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

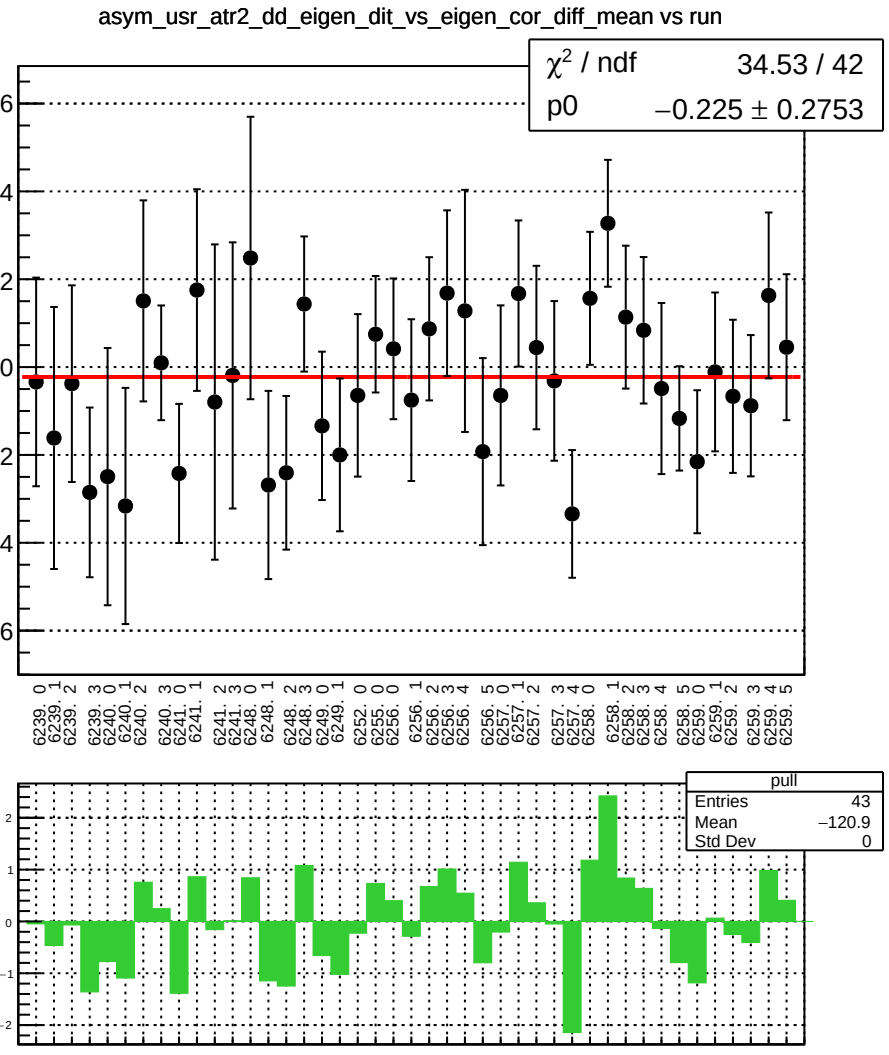

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.91 / 42
p0 9.521e−06 ± 1.031e−05
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 37.87
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.05638
Std Dev 0.9121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

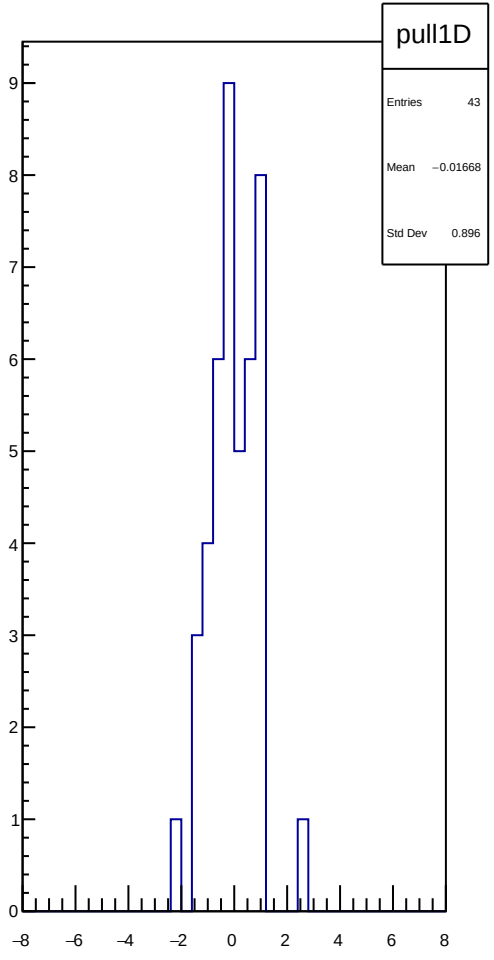

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.178e+04 / 42
p0 0.006749 ± 7.288e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

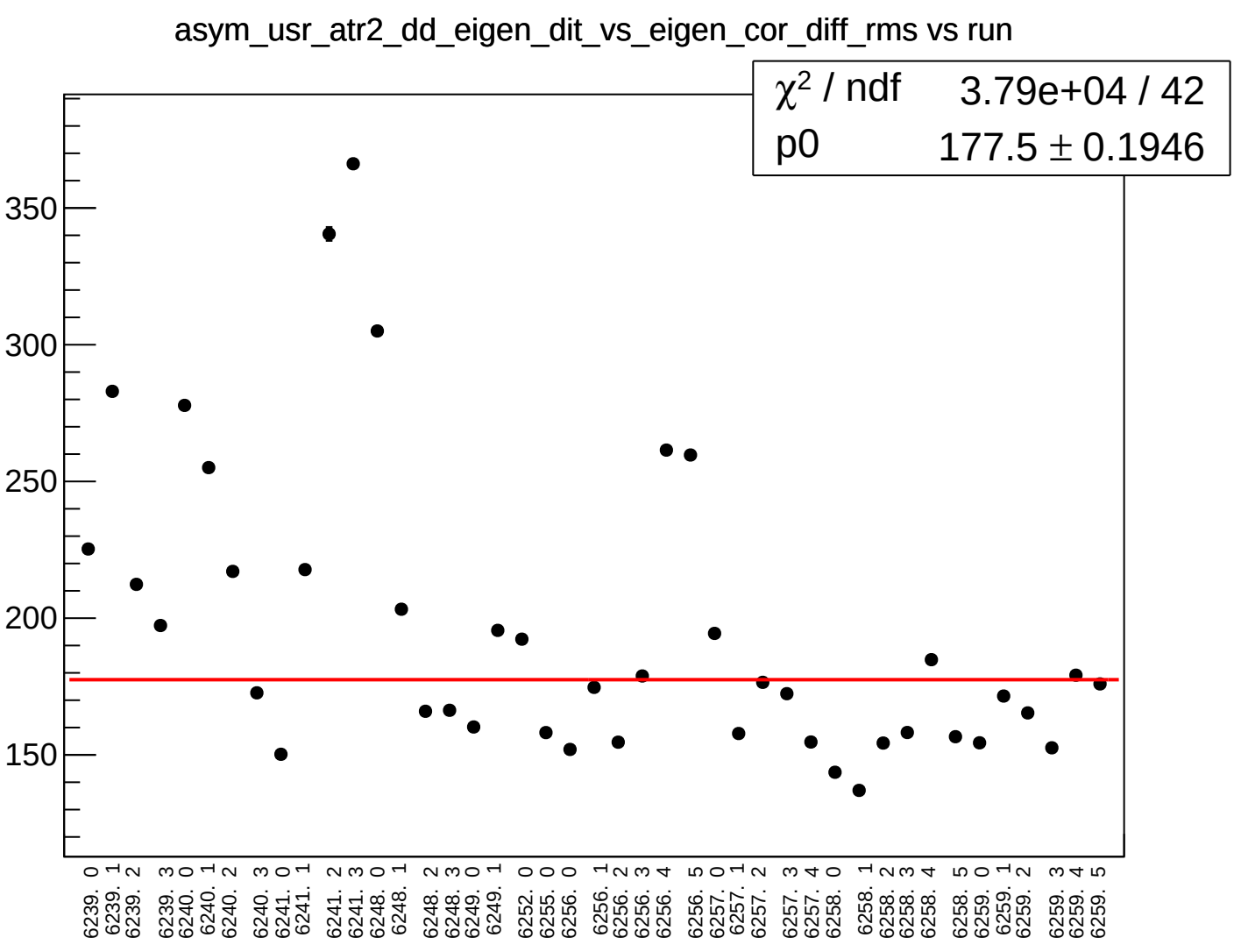

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.53 / 42
p0 −0.225 ± 0.2753
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.9
Std Dev 0
2
1
0
−1
−2

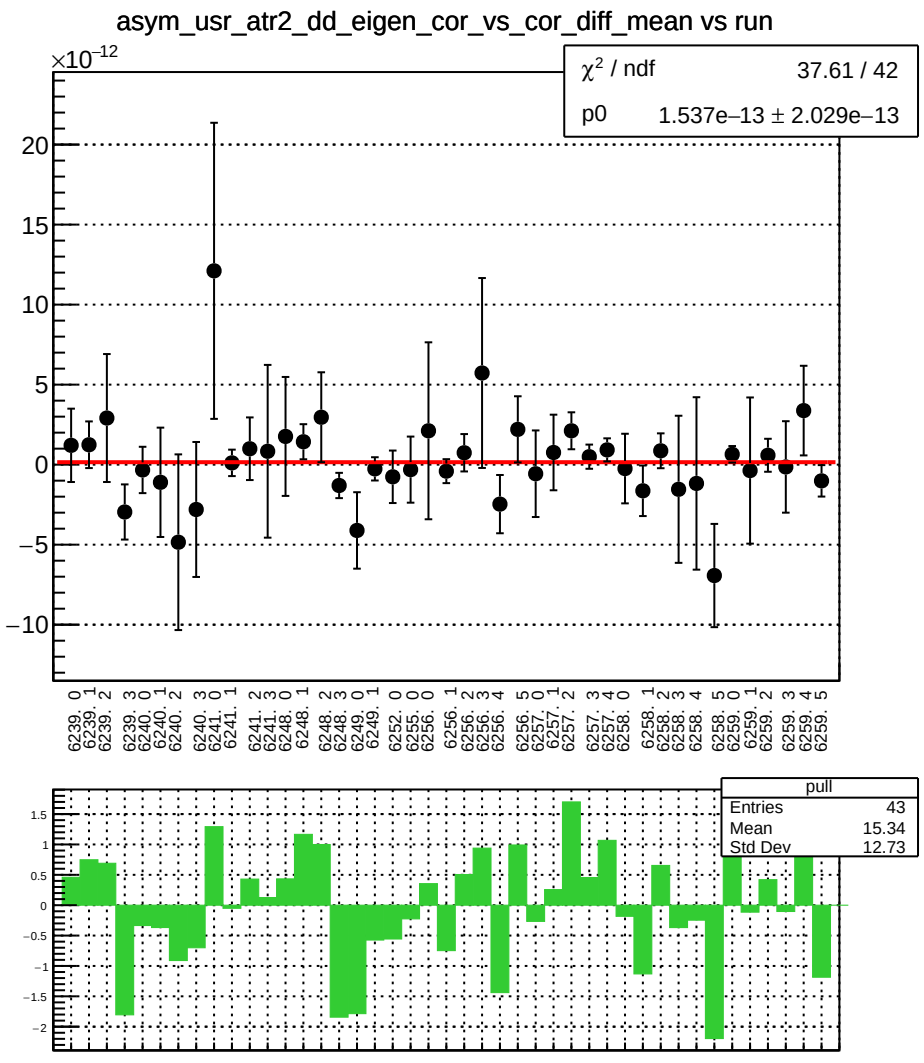

pull1D
Entries 43
Mean −0.01668
Std Dev 0.896
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

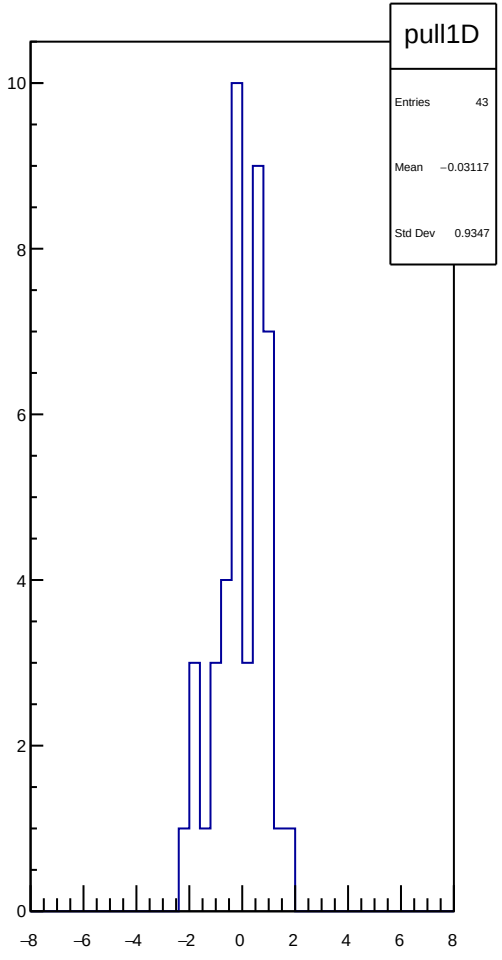

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.79e+04 / 42
p0 177.5 ± 0.1946
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

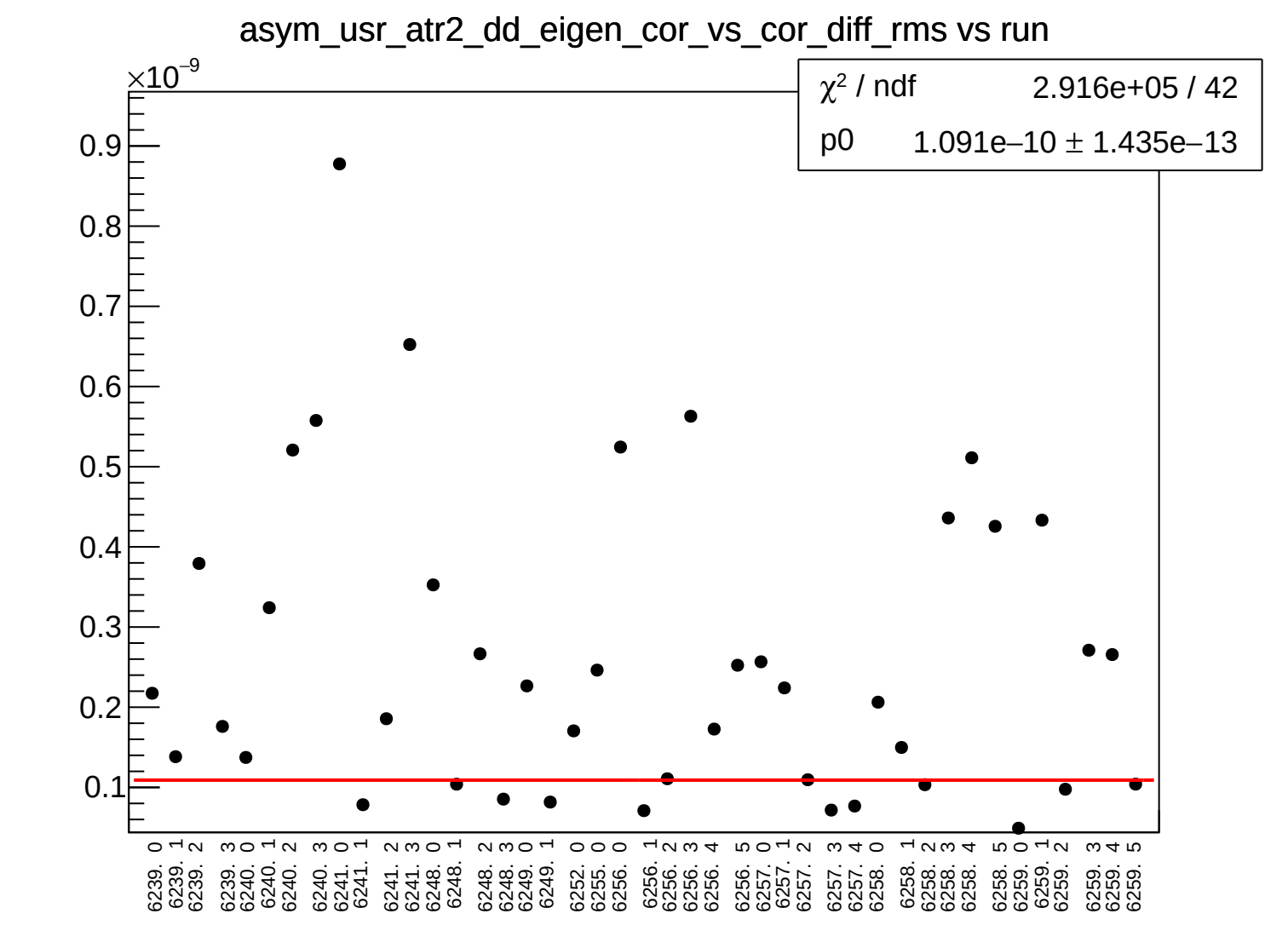

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.53 / 42
p0 −0.225 ± 0.2753
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.9
Std Dev 0
2
1
0
−1
−2

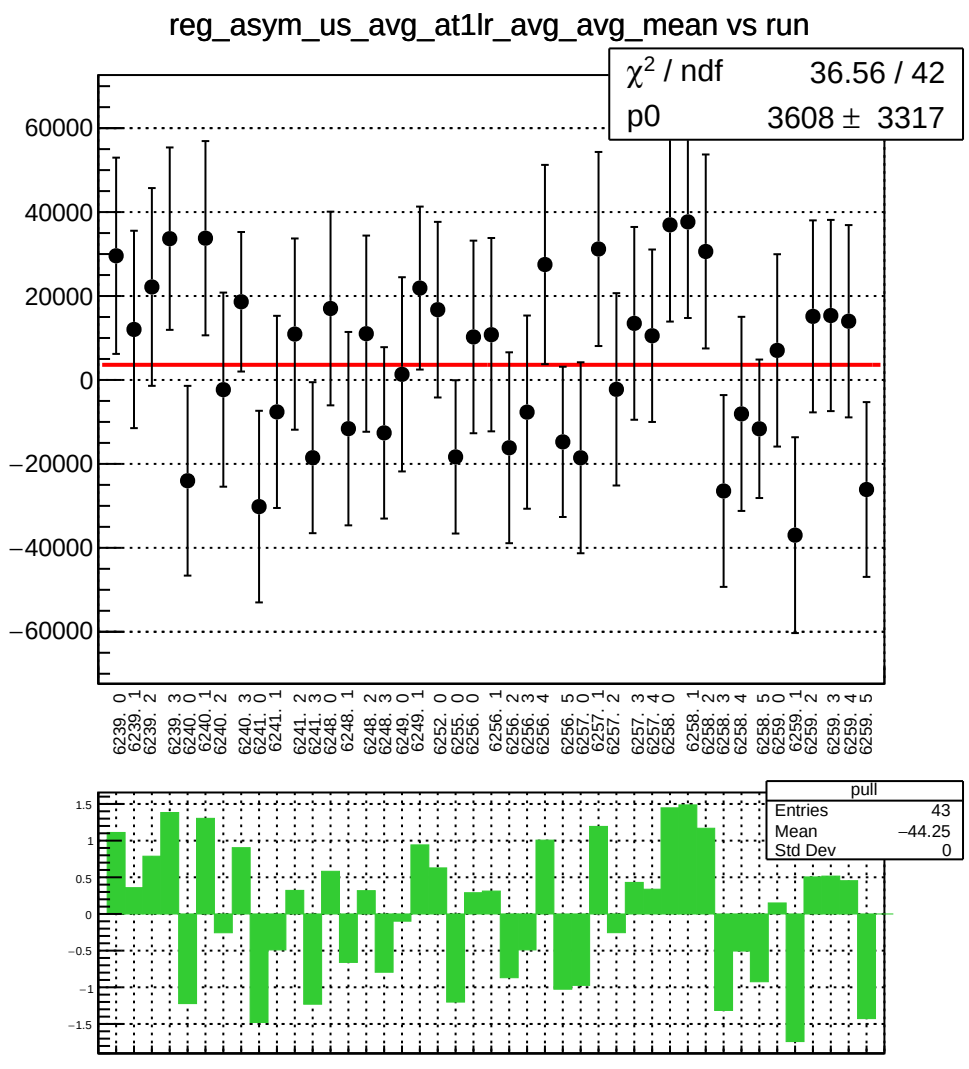

pull1D
Entries 43
Mean −0.01668
Std Dev 0.896
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

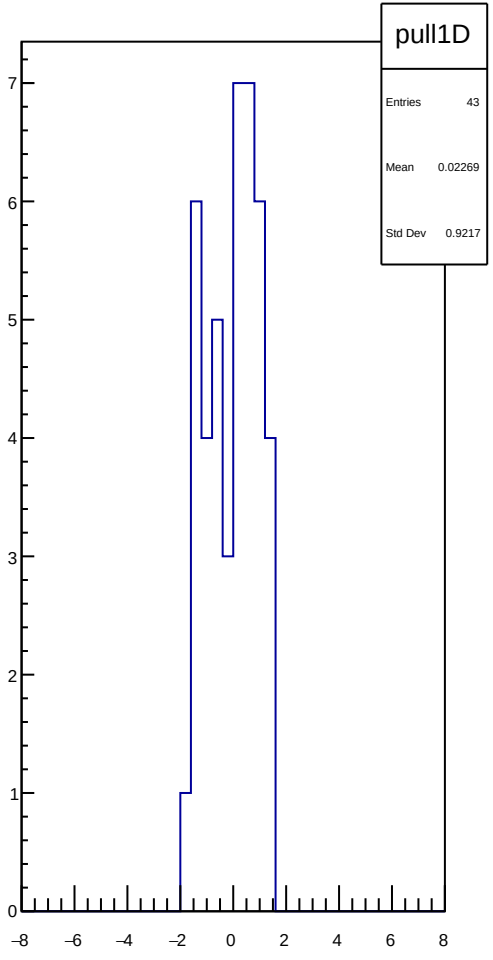

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.79e+04 / 42
p0 177.5 ± 0.1946
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

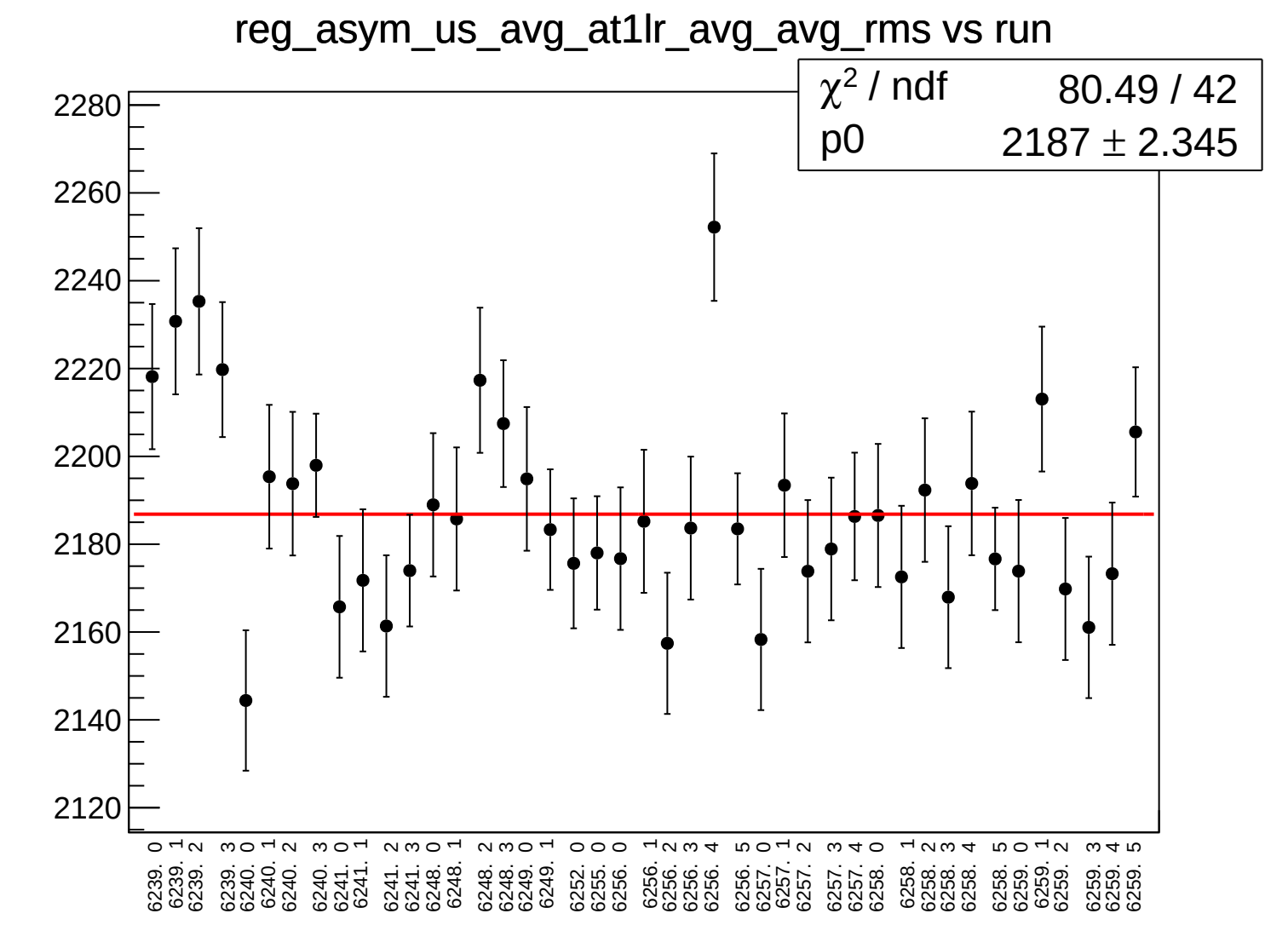

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.61 / 42
p0 1.537e−13 ± 2.029e−13
20
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 15.34
Std Dev 12.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2

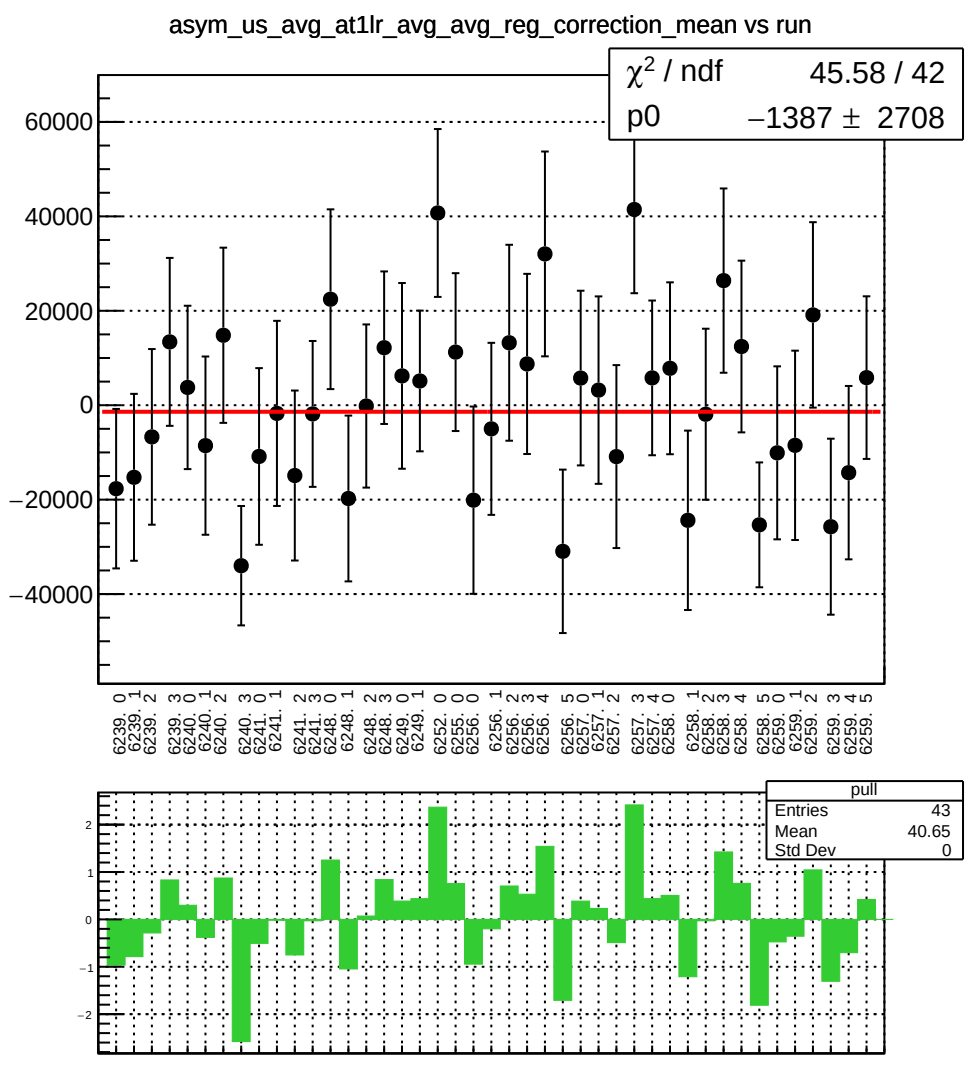

pull1D
Entries 43
Mean −0.03117
Std Dev 0.9347
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

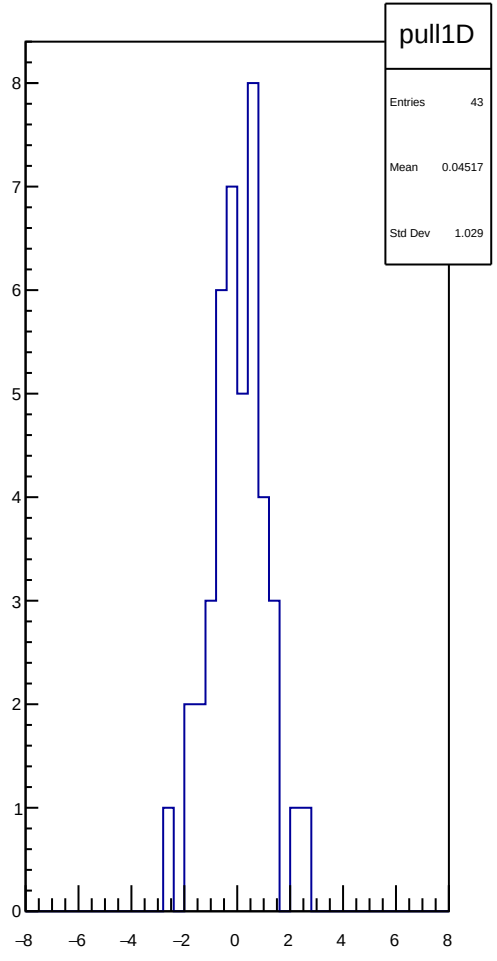

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.916e+05 / 42
p0 1.091e−10 ± 1.435e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

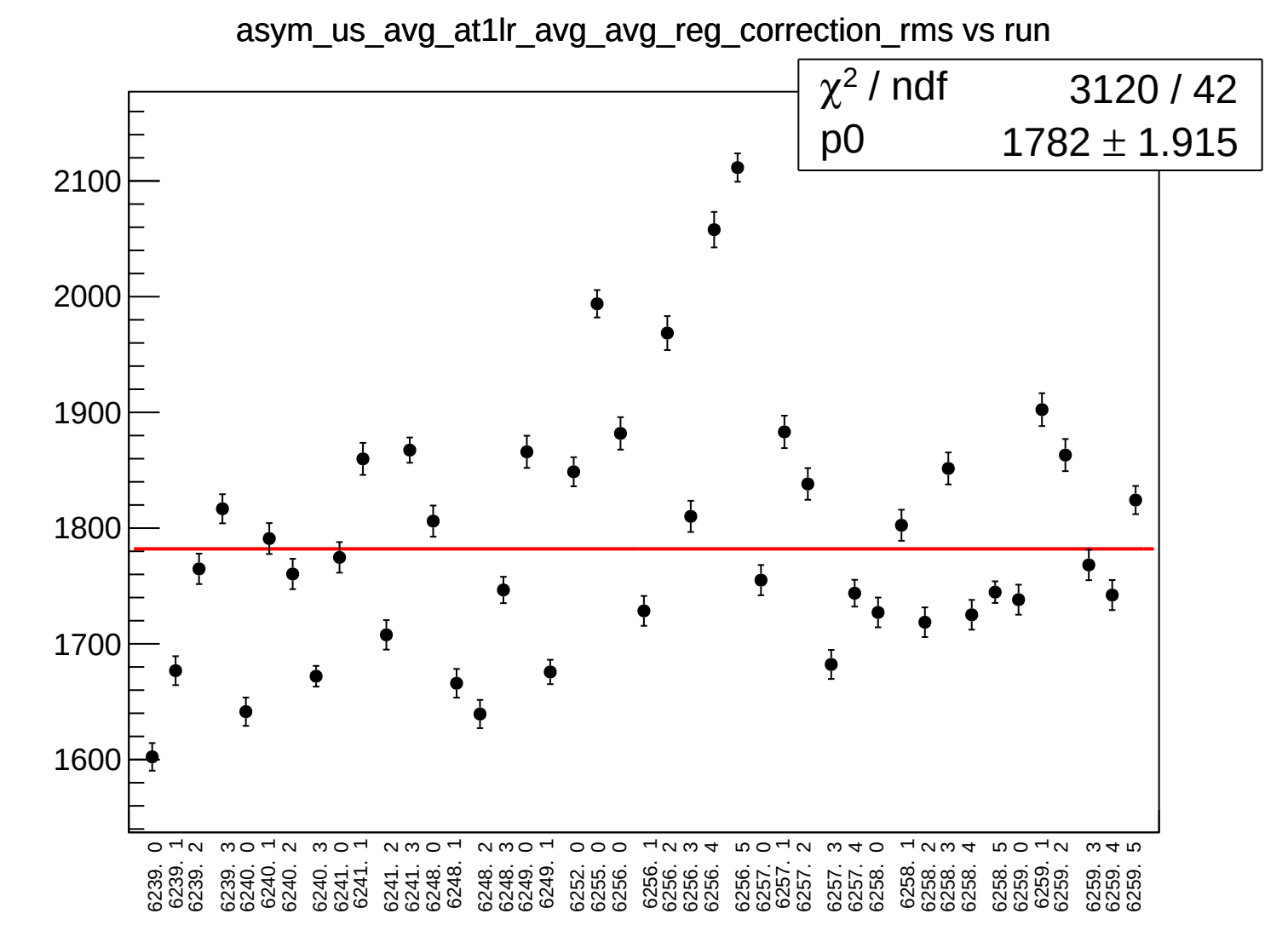

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 36.56 / 42
p0 3608 ± 3317
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −44.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

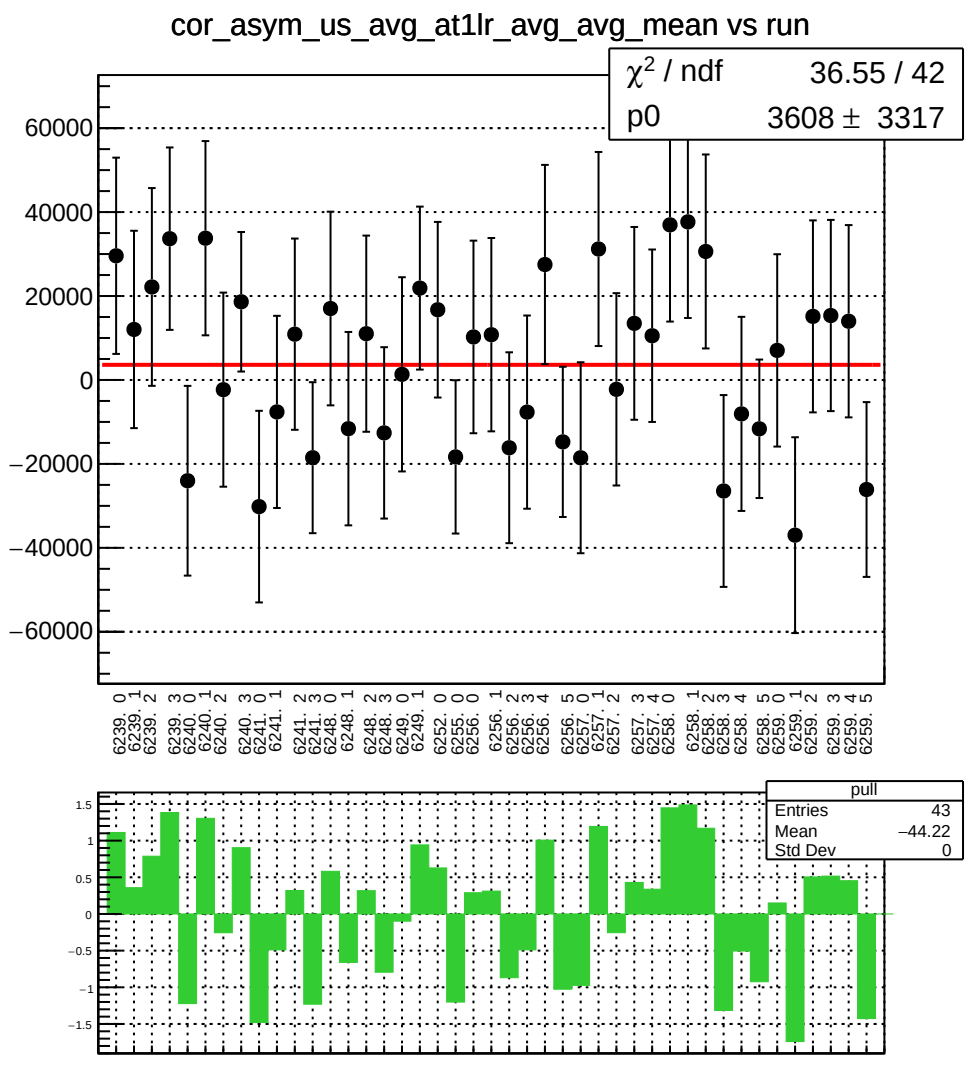

pull1D
Entries 43
Mean 0.02269
Std Dev 0.9217
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

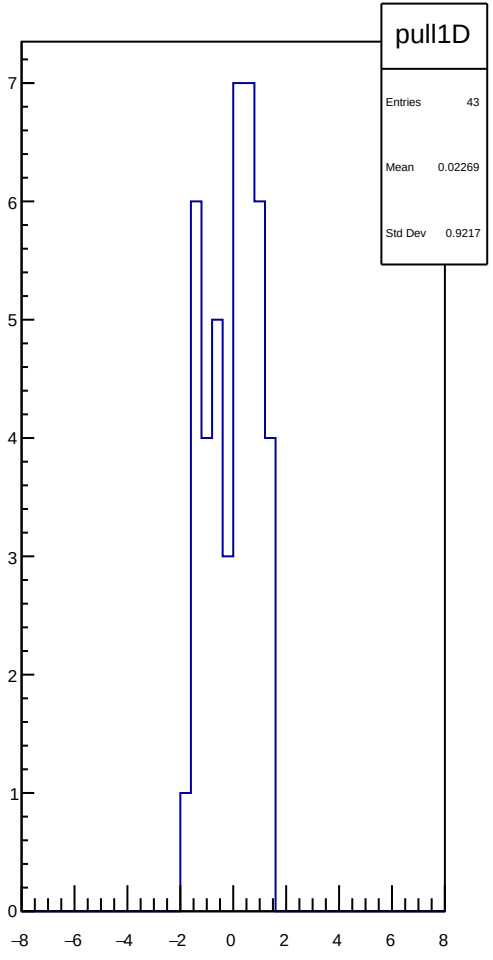

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 80.49 / 42
p0 2187 ± 2.345
2280
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

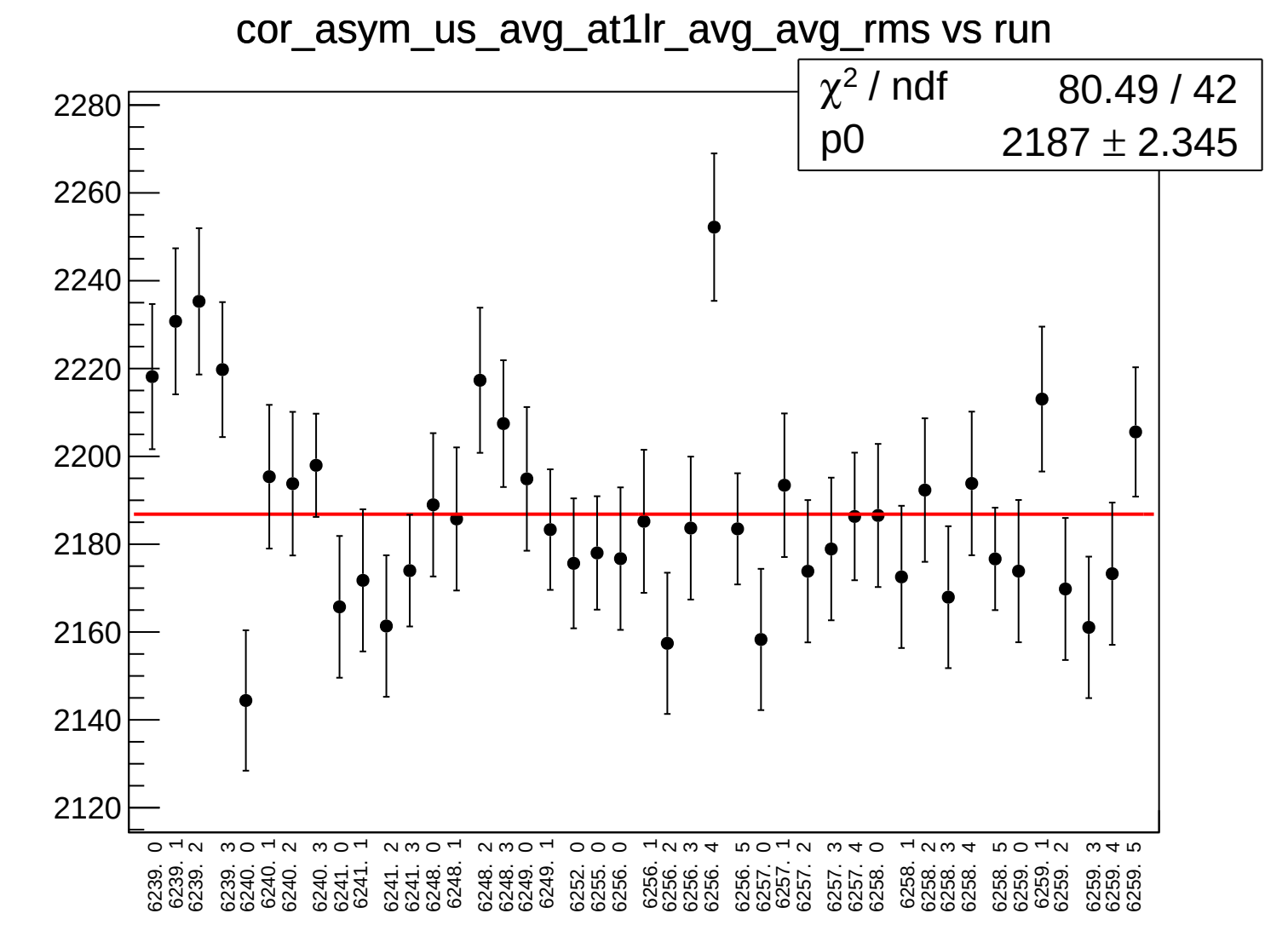

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 45.58 / 42
p0 −1387 ± 2708
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.65
Std Dev 0
2
1
0
−1
−2

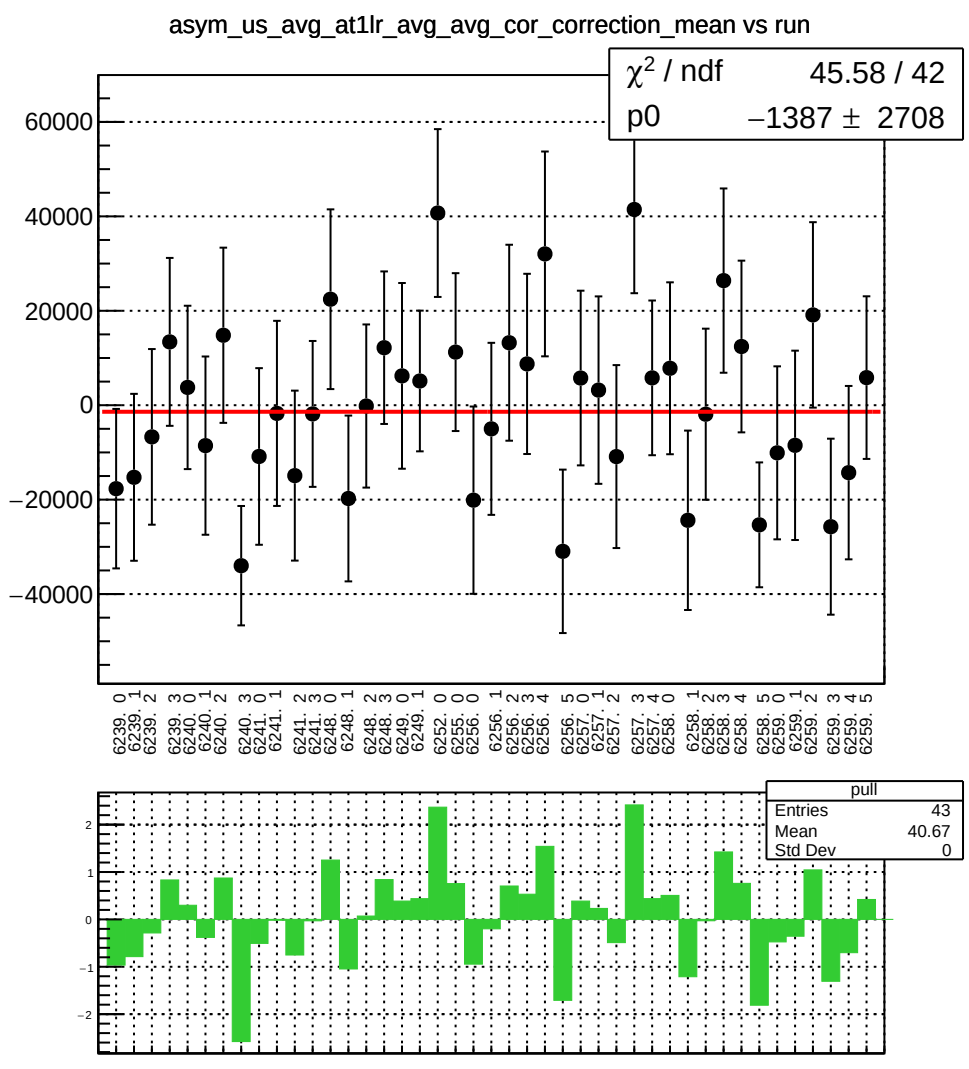

pull1D
Entries 43
Mean 0.04517
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

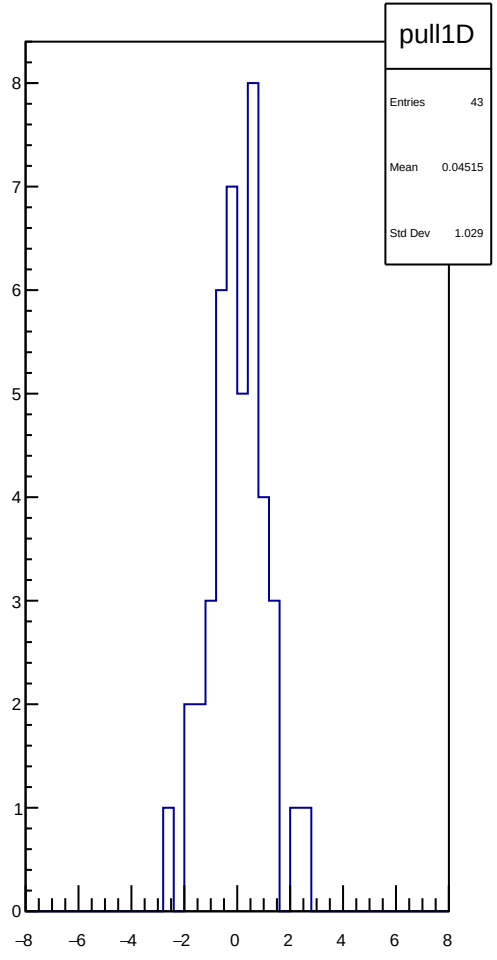

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3120 / 42
p0 1782 ± 1.915
2100
2000
1900
1800
1700
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

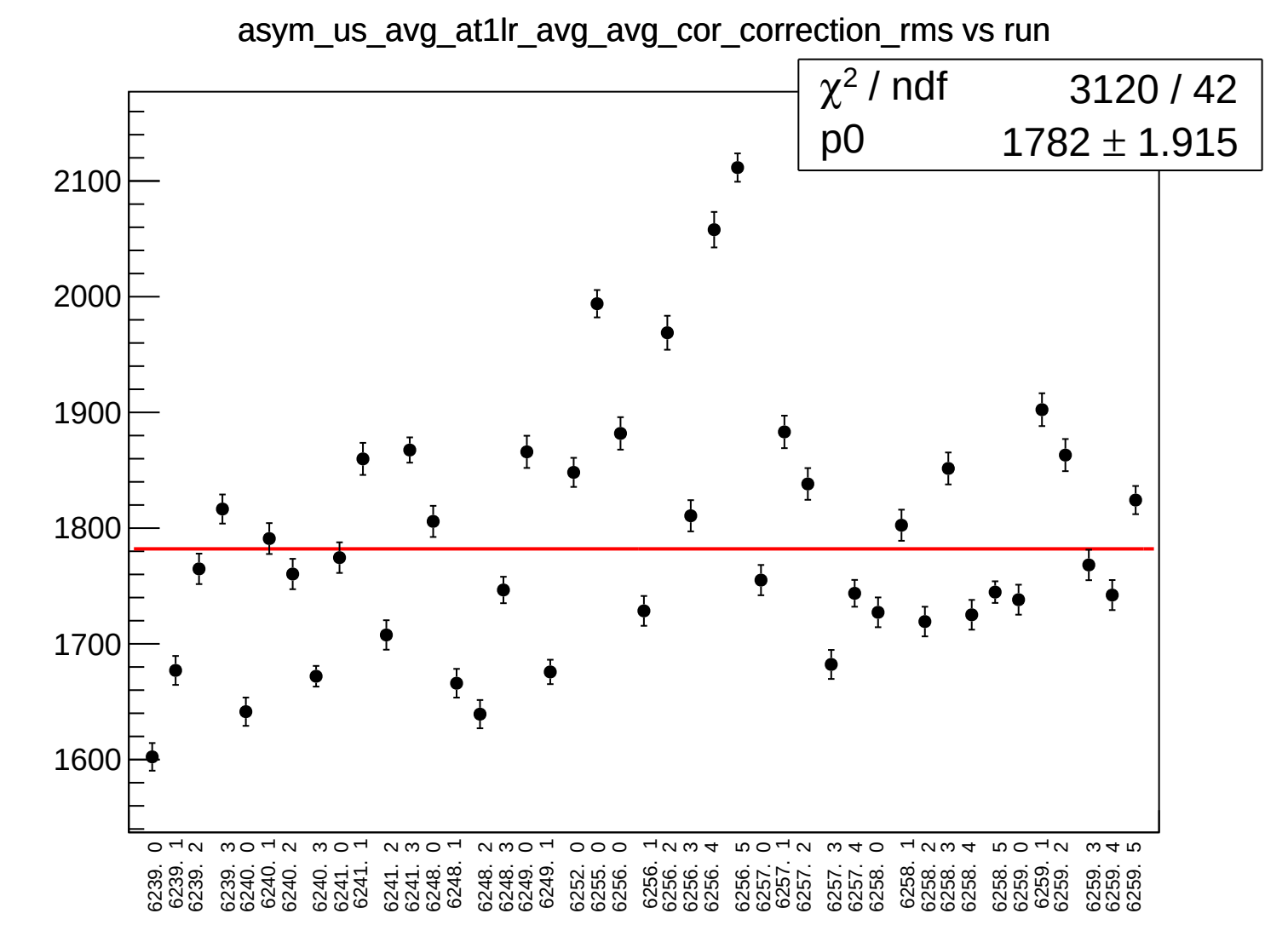

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 36.55 / 42
p0 3608 ± 3317
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −44.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

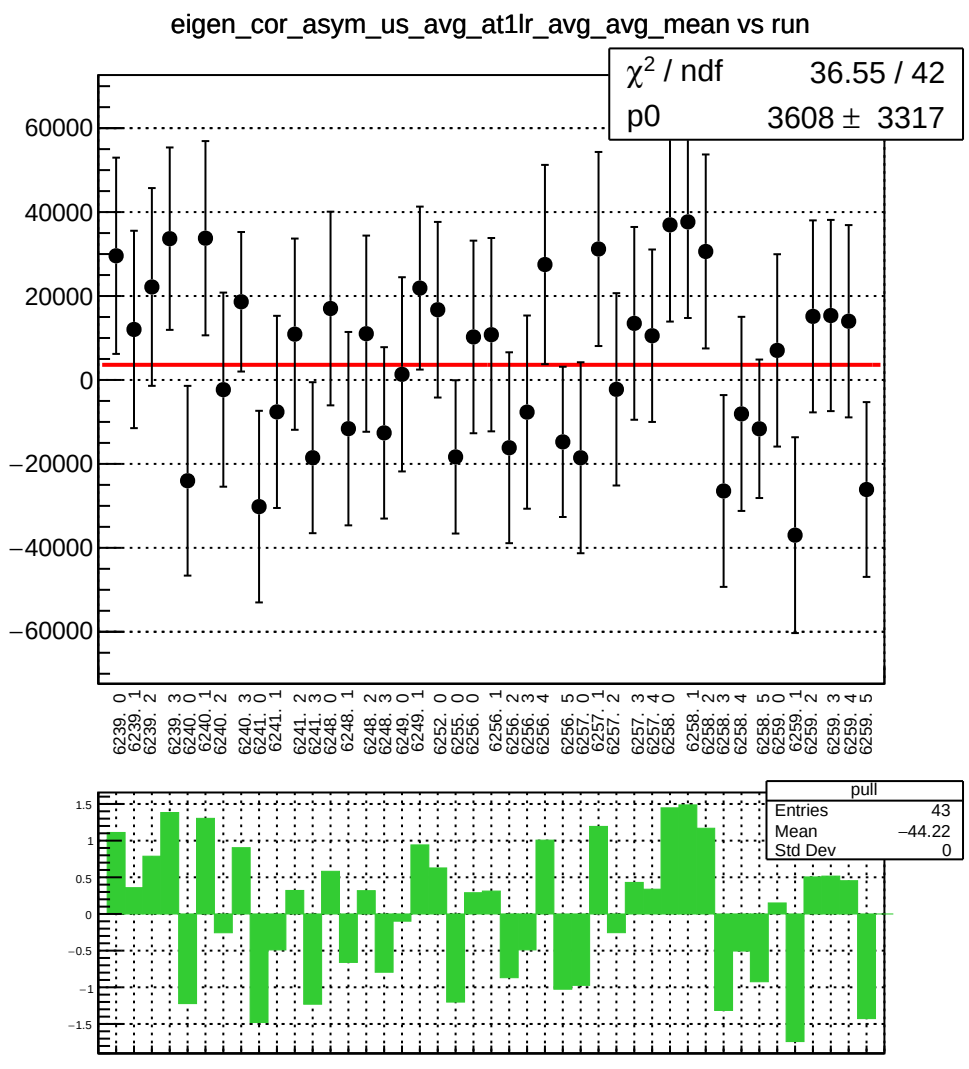

pull1D
Entries 43
Mean 0.02269
Std Dev 0.9217
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

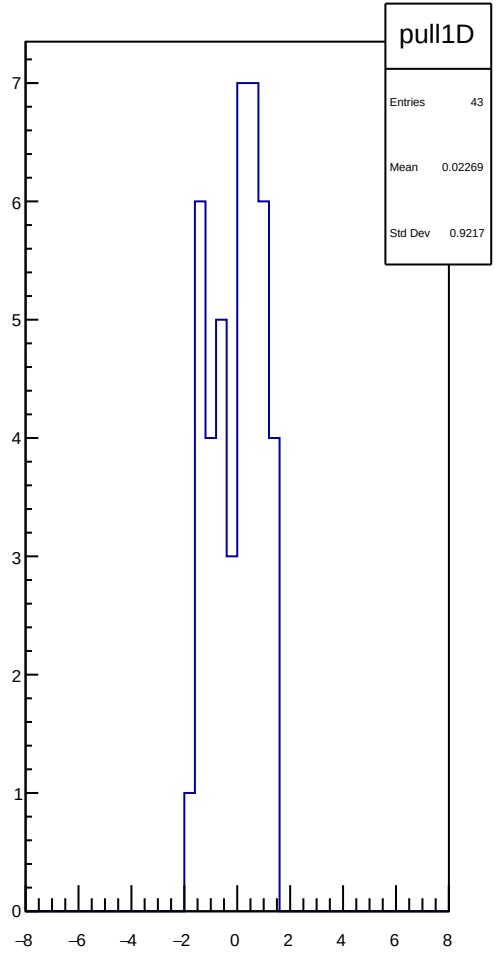

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 80.49 / 42
p0 2187 ± 2.345
2280
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

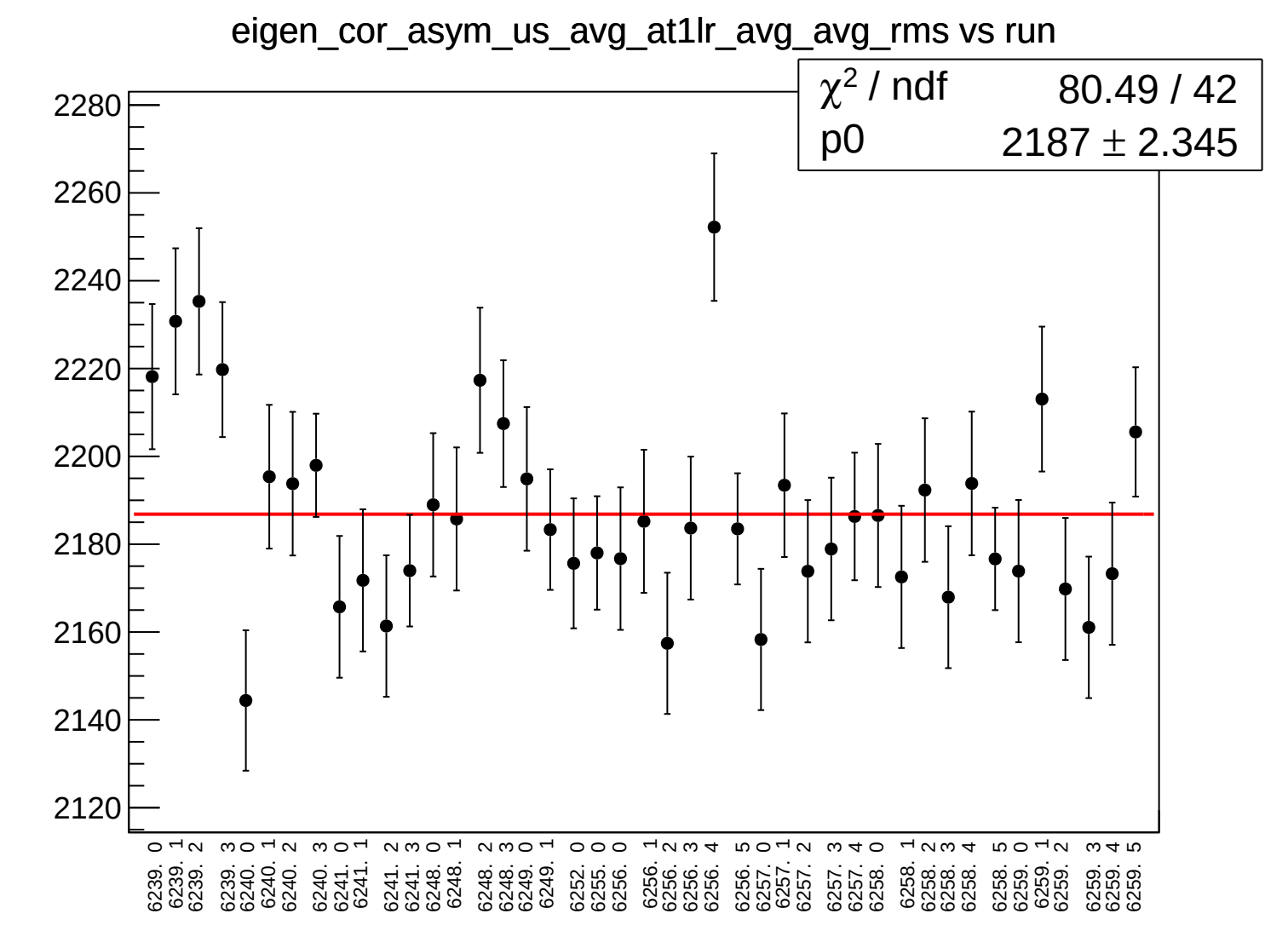

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 45.58 / 42
p0 −1387 ± 2708
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.67
Std Dev 0
2
1
0
−1
−2

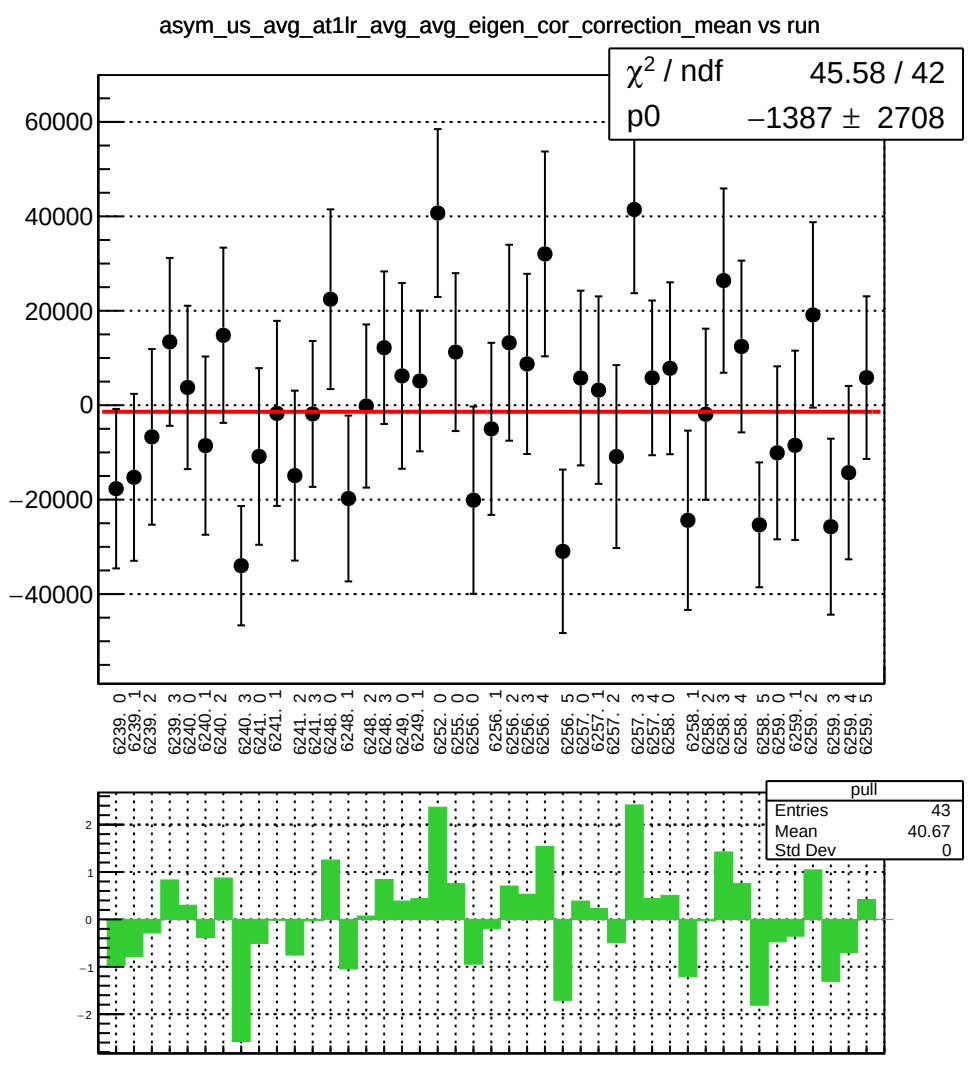

pull1D
Entries 43
Mean 0.04515
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

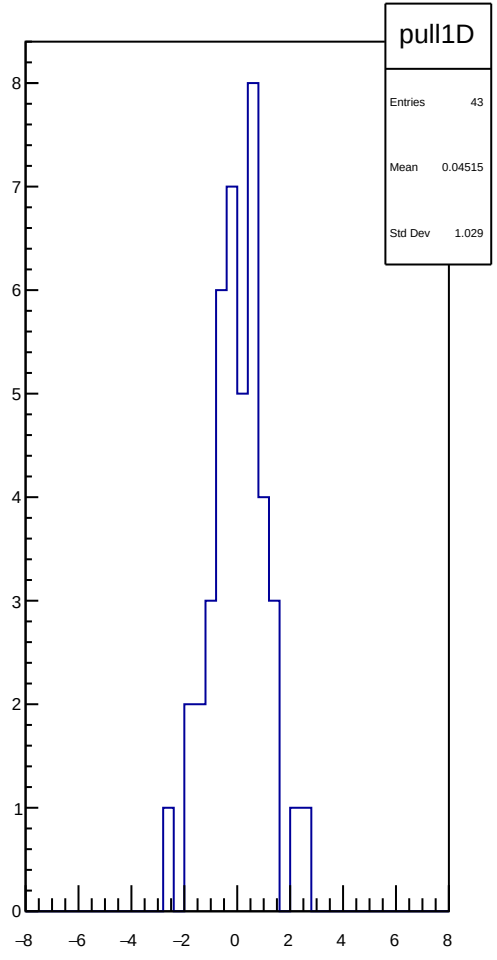

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3120 / 42
p0 1782 ± 1.915
2100
2000
1900
1800
1700
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

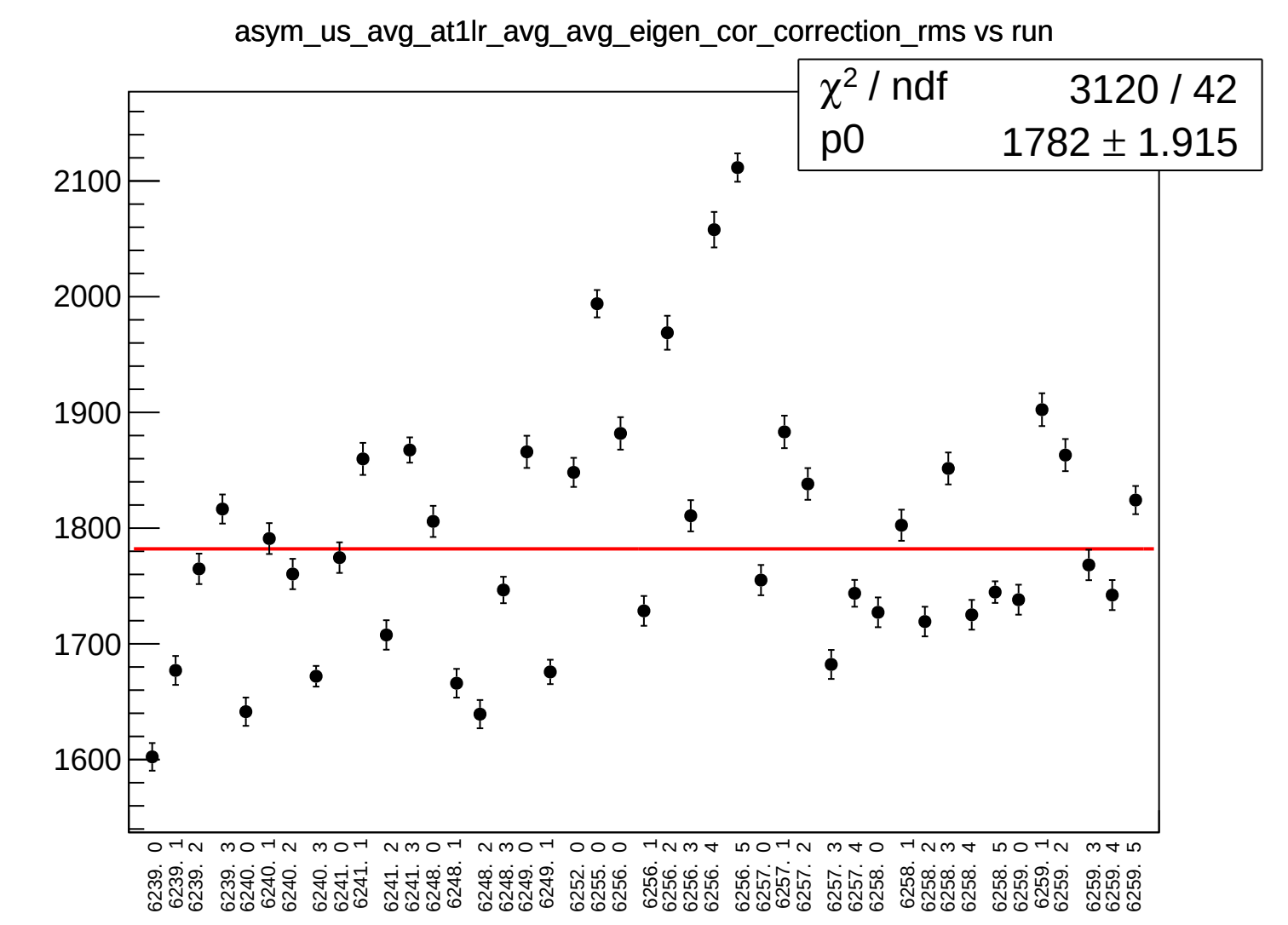

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 36.55 / 42
p0 3608 ± 3317
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −44.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

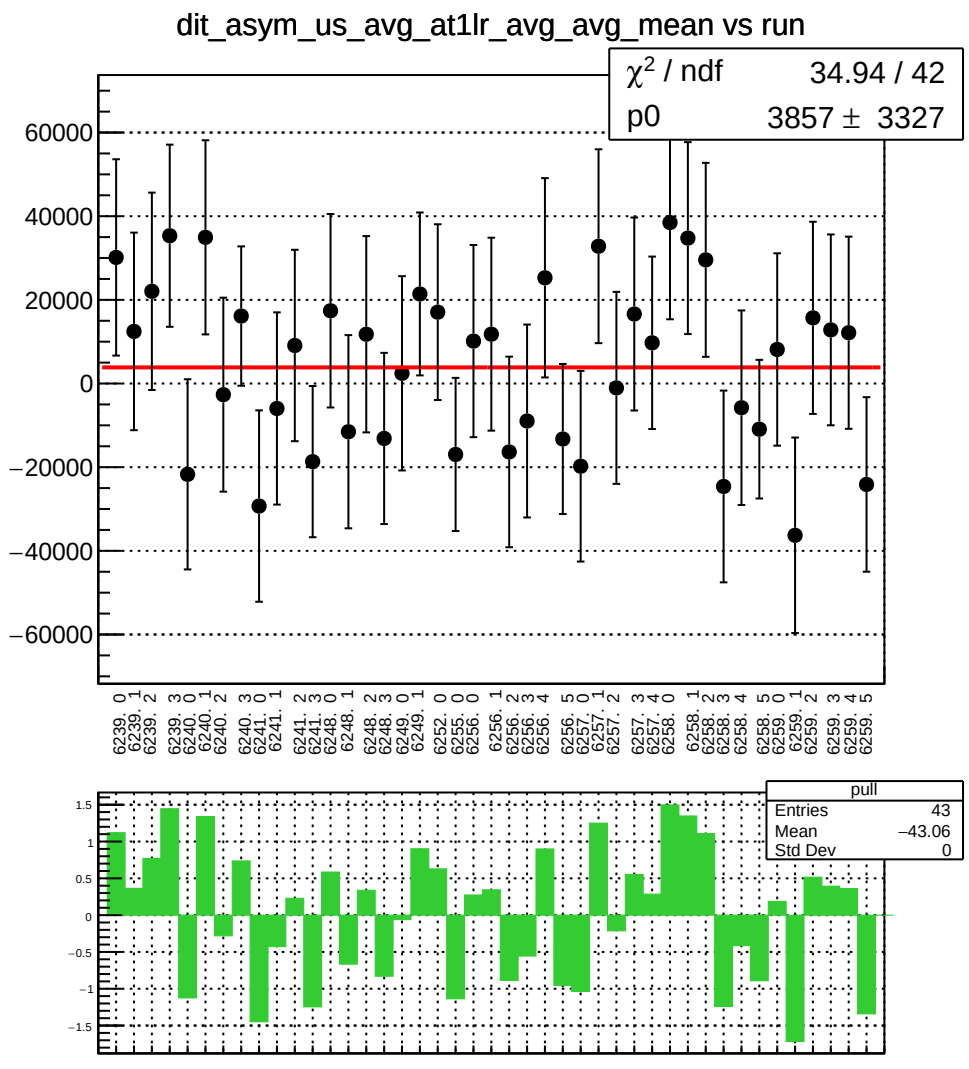

pull1D
Entries 43
Mean 0.02269
Std Dev 0.9217
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

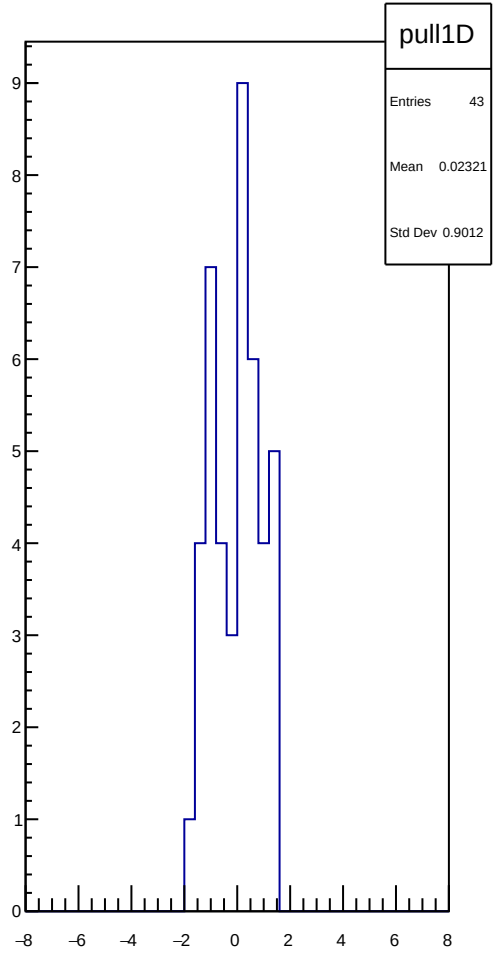

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 80.49 / 42
p0 2187 ± 2.345
2280
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

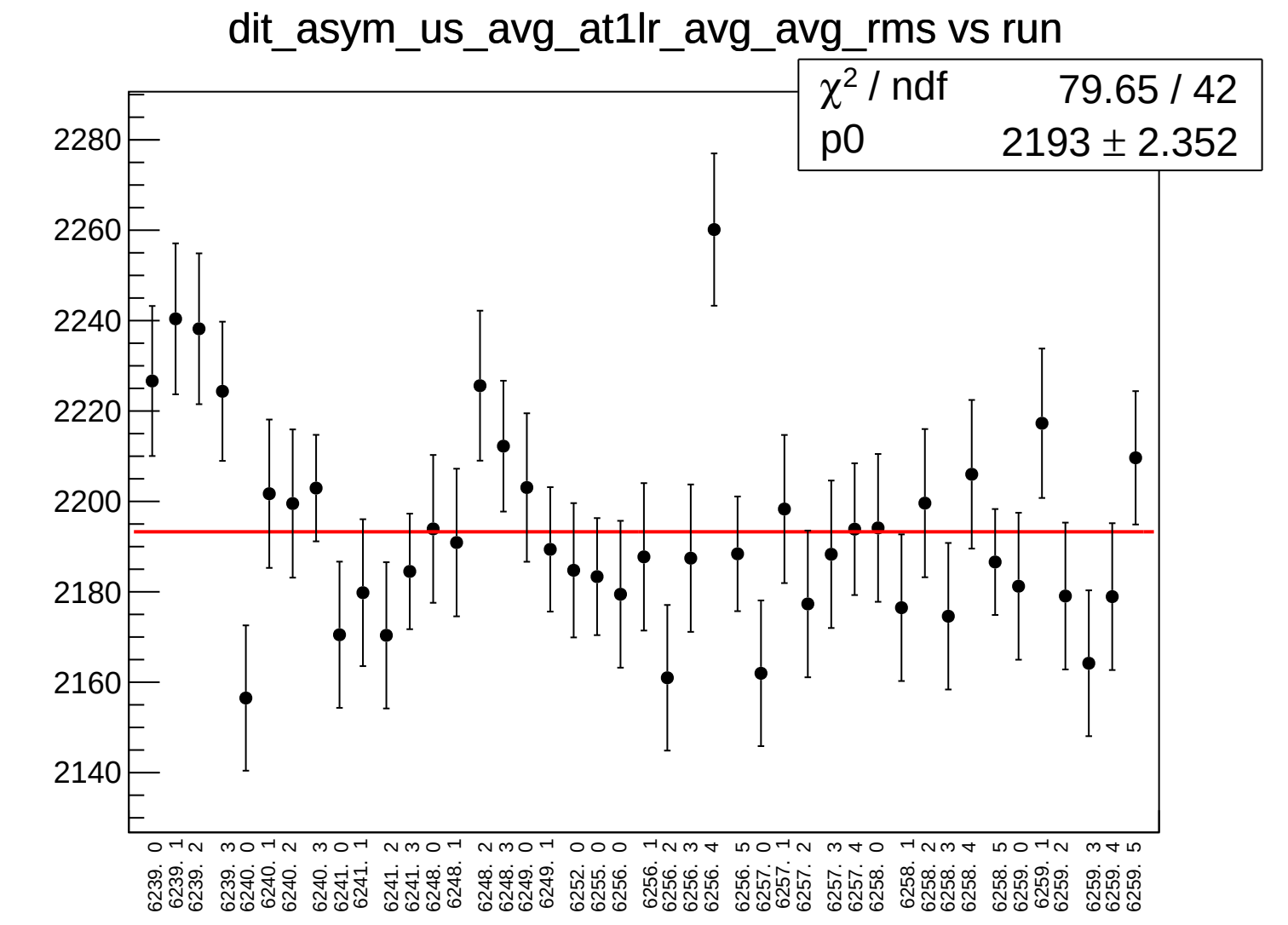

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 45.58 / 42
p0 −1387 ± 2708
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.67
Std Dev 0
2
1
0
−1
−2

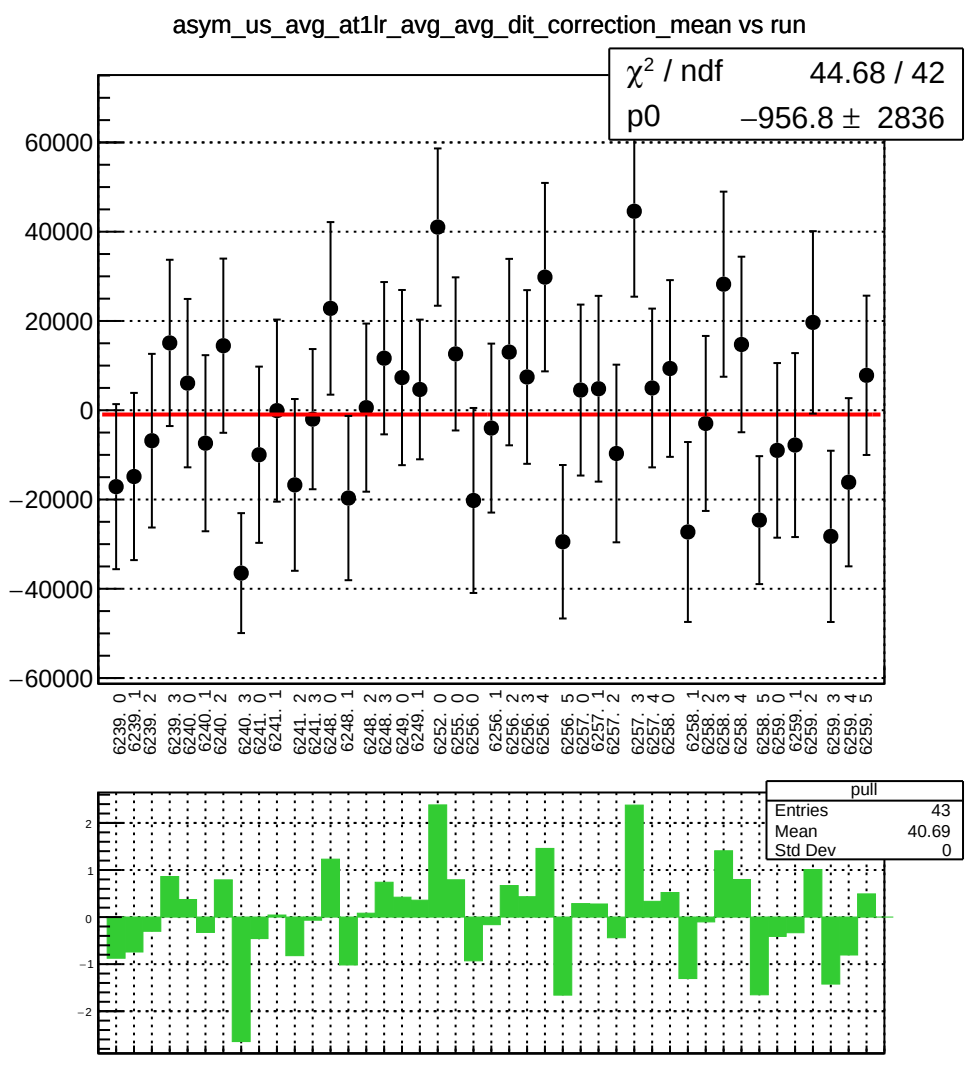

pull1D
Entries 43
Mean 0.04515
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

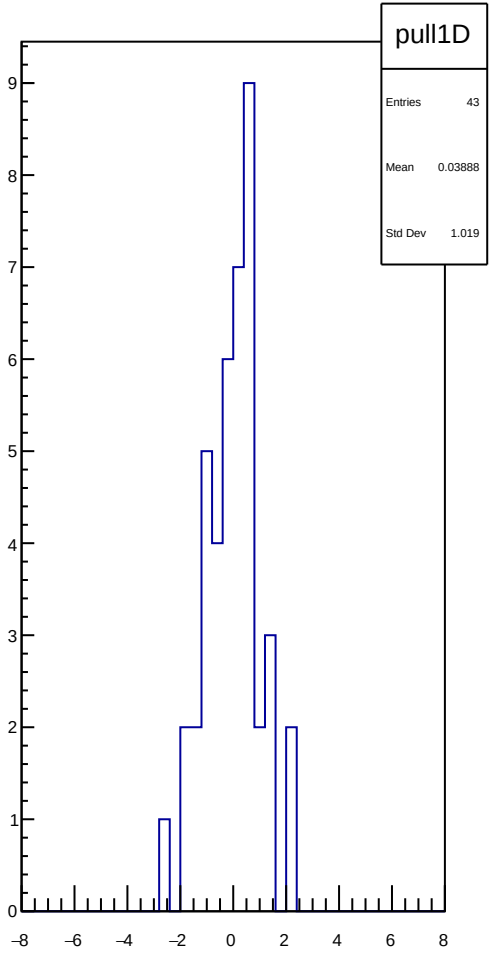

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3120 / 42
p0 1782 ± 1.915
2100
2000
1900
1800
1700
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

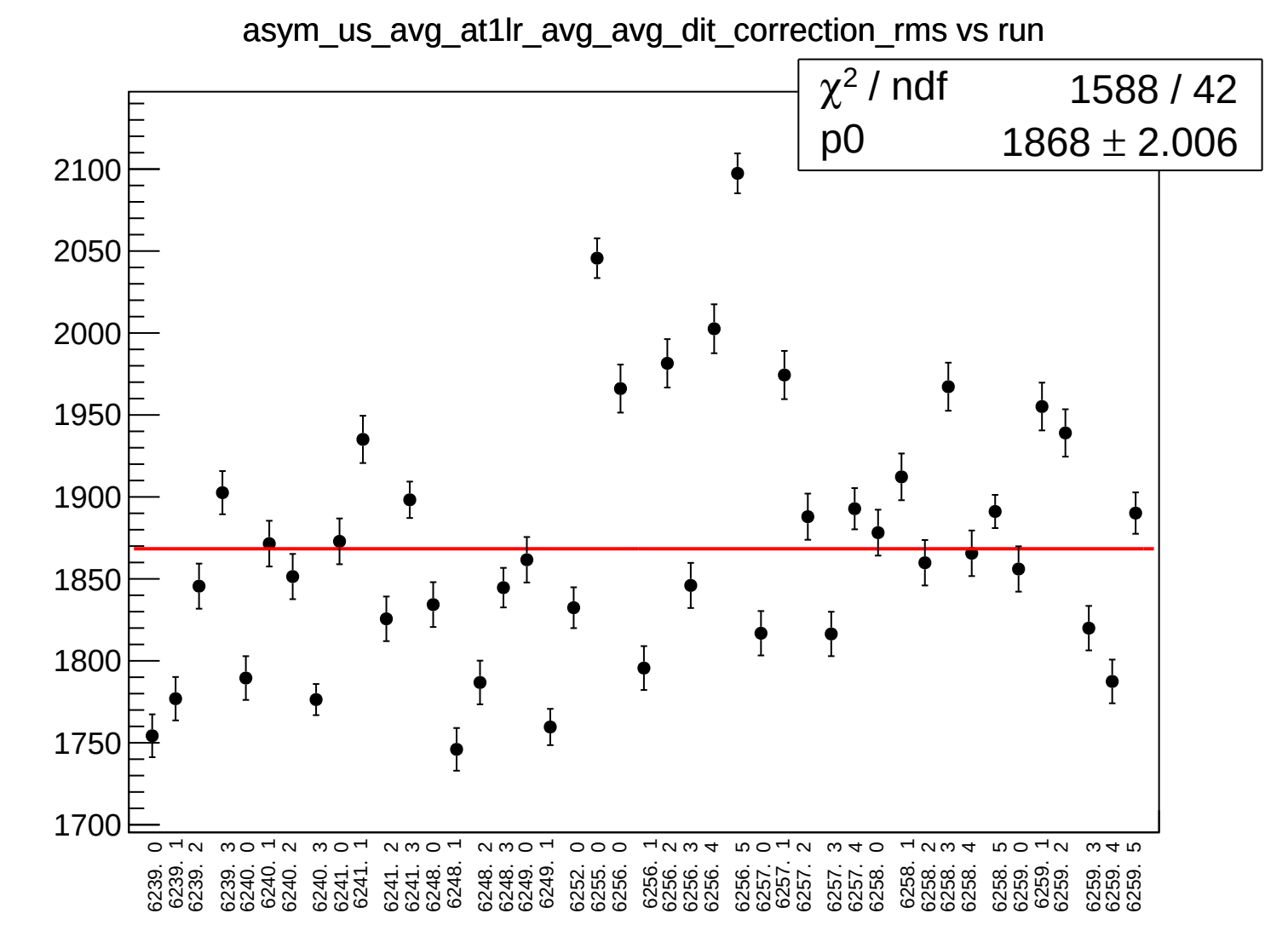

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 34.94 / 42
p0 3857 ± 3327
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −43.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

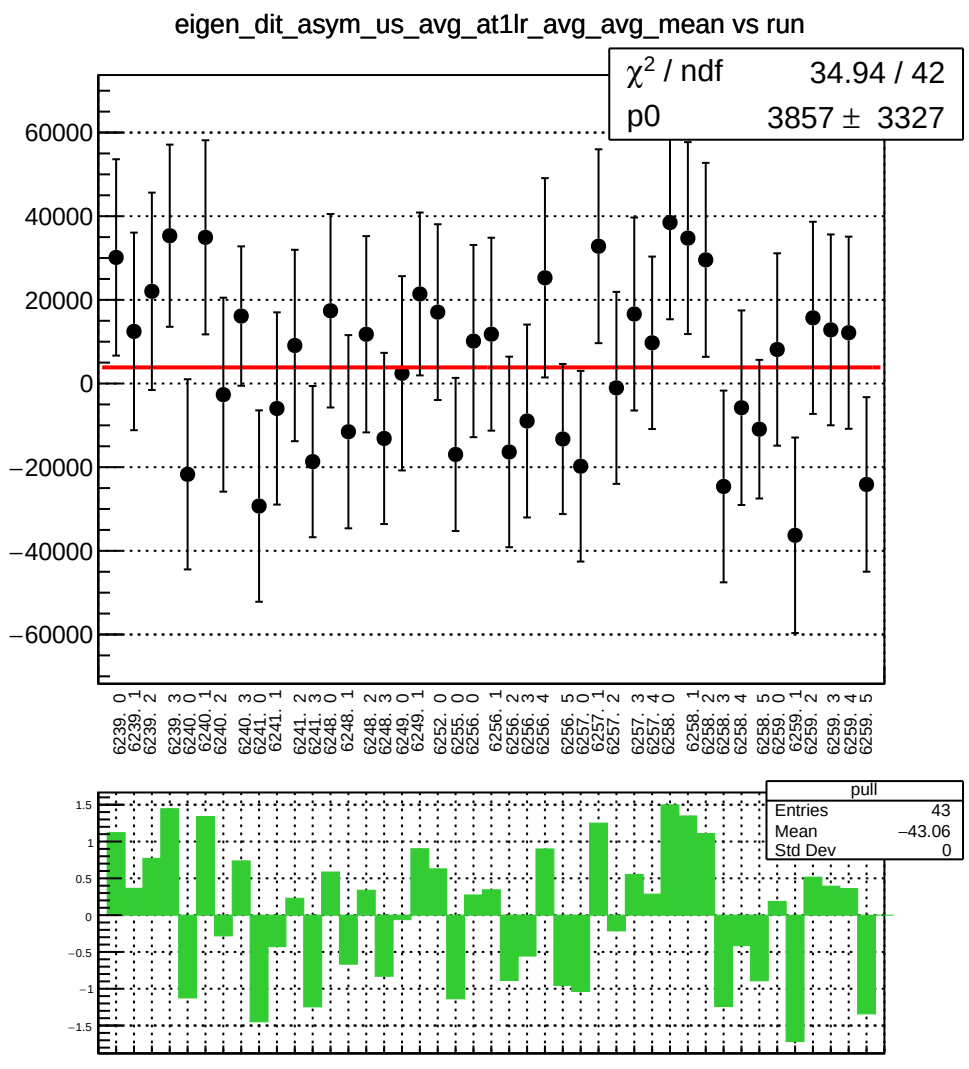

pull1D
Entries 43
Mean 0.02321
Std Dev 0.9012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

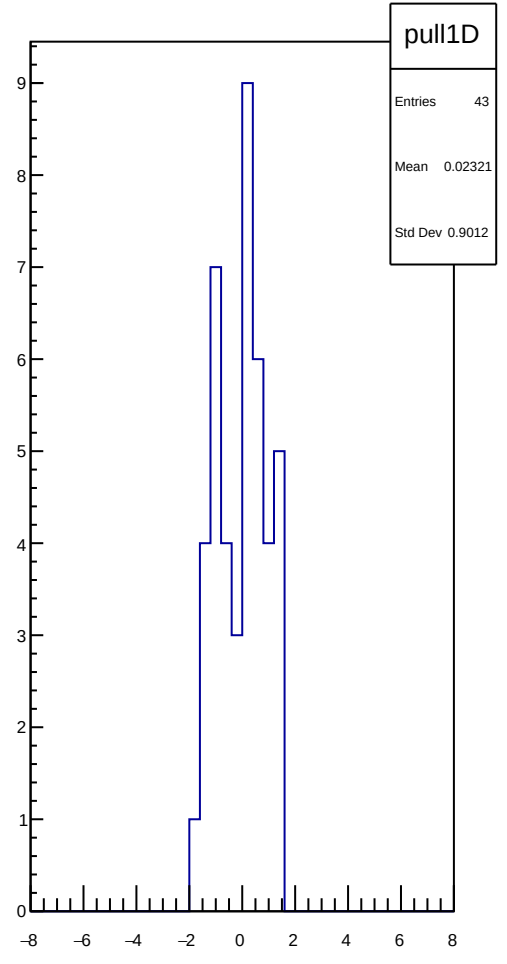

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 79.65 / 42
p0 2193 ± 2.352
2280
2260
2240
2220
2200
2180
2160
2140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

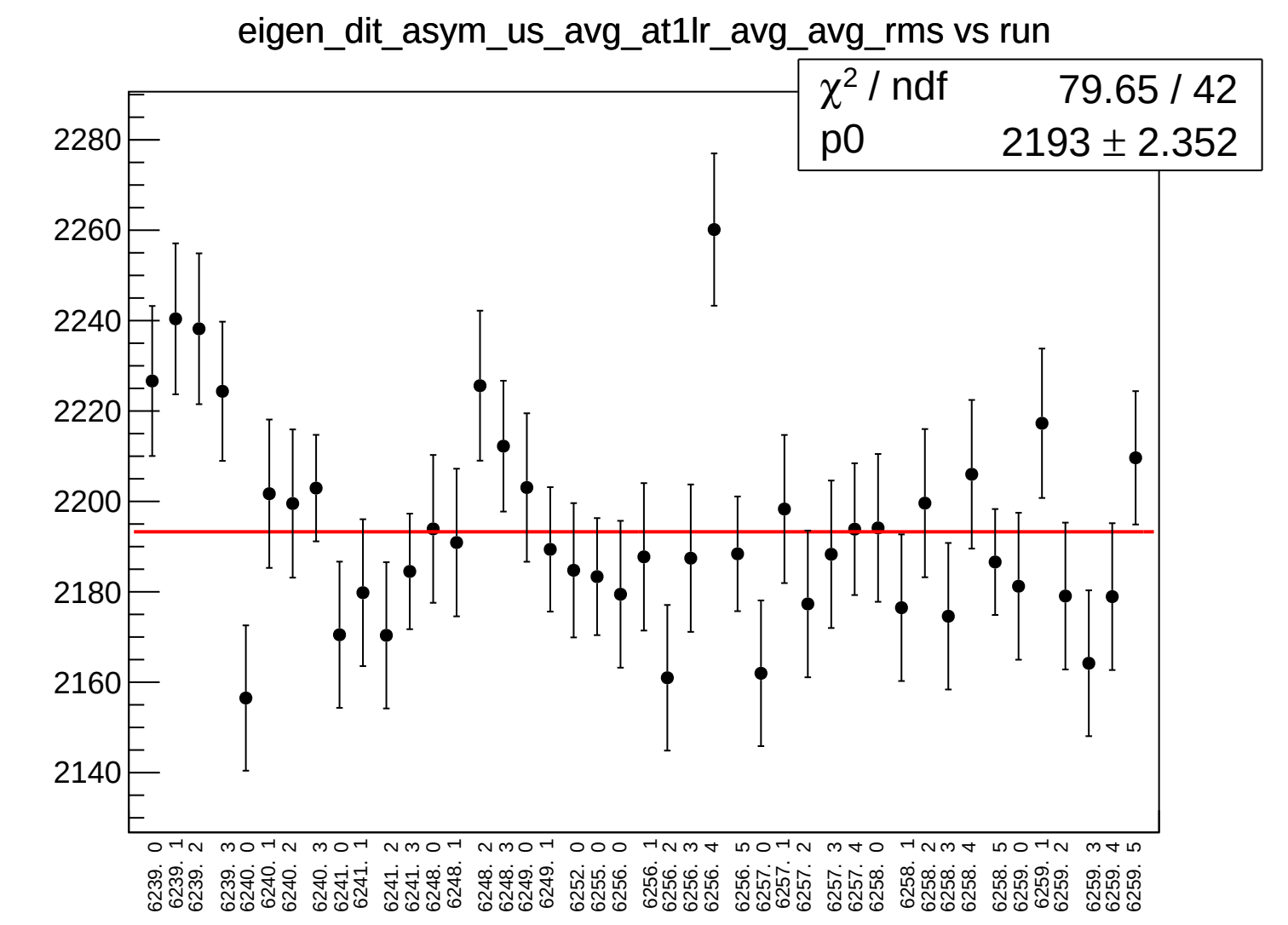

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 44.68 / 42
p0 −956.8 ± 2836
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.69
Std Dev 0
2
1
0
−1
−2

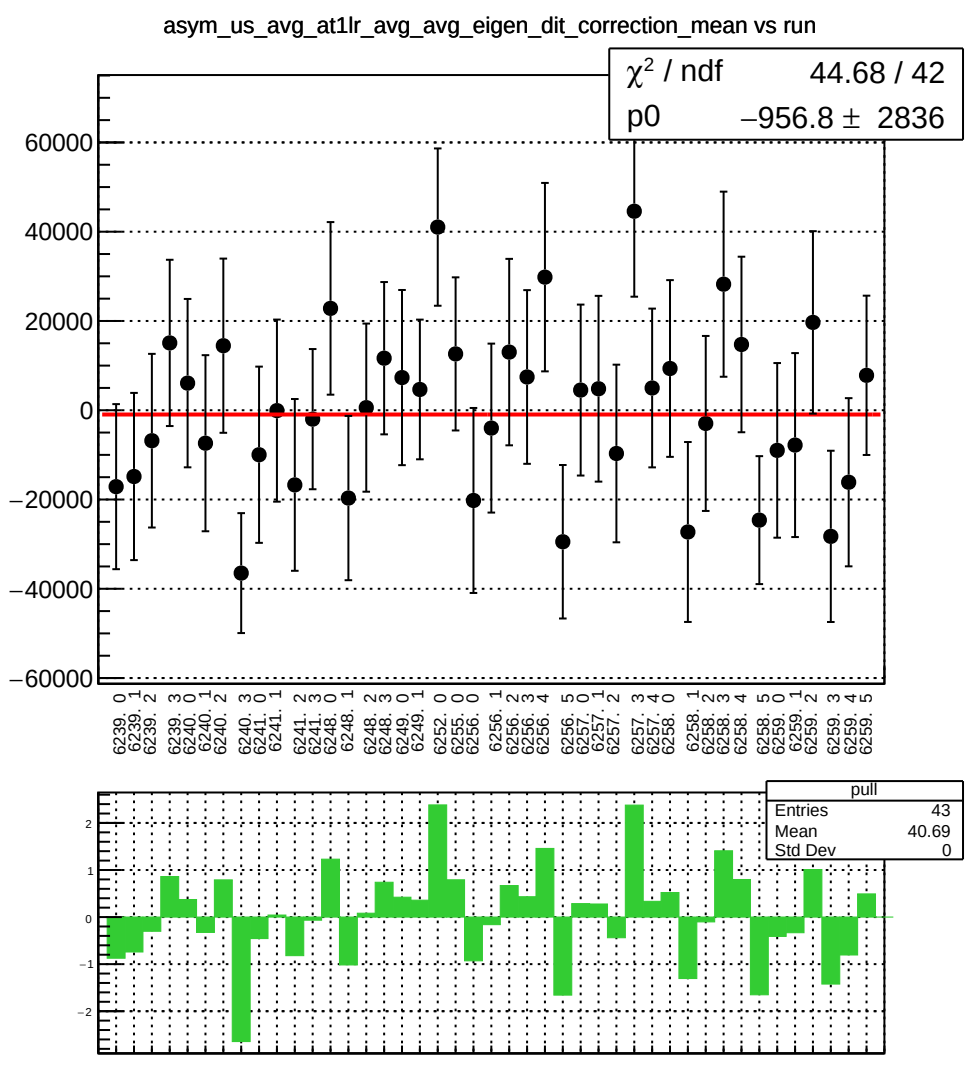

pull1D
Entries 43
Mean 0.03888
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

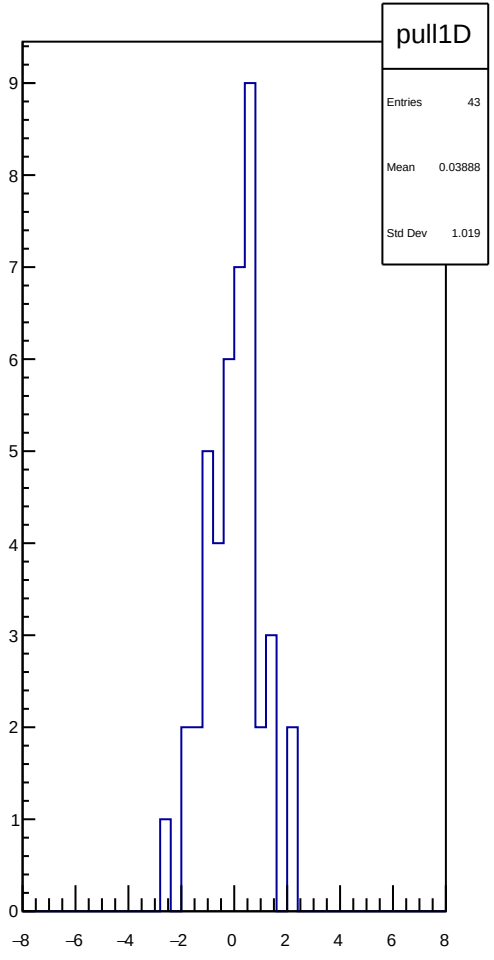

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1588 / 42
p0 1868 ± 2.006
2100
2050
2000
1950
1900
1850
1800
1750
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

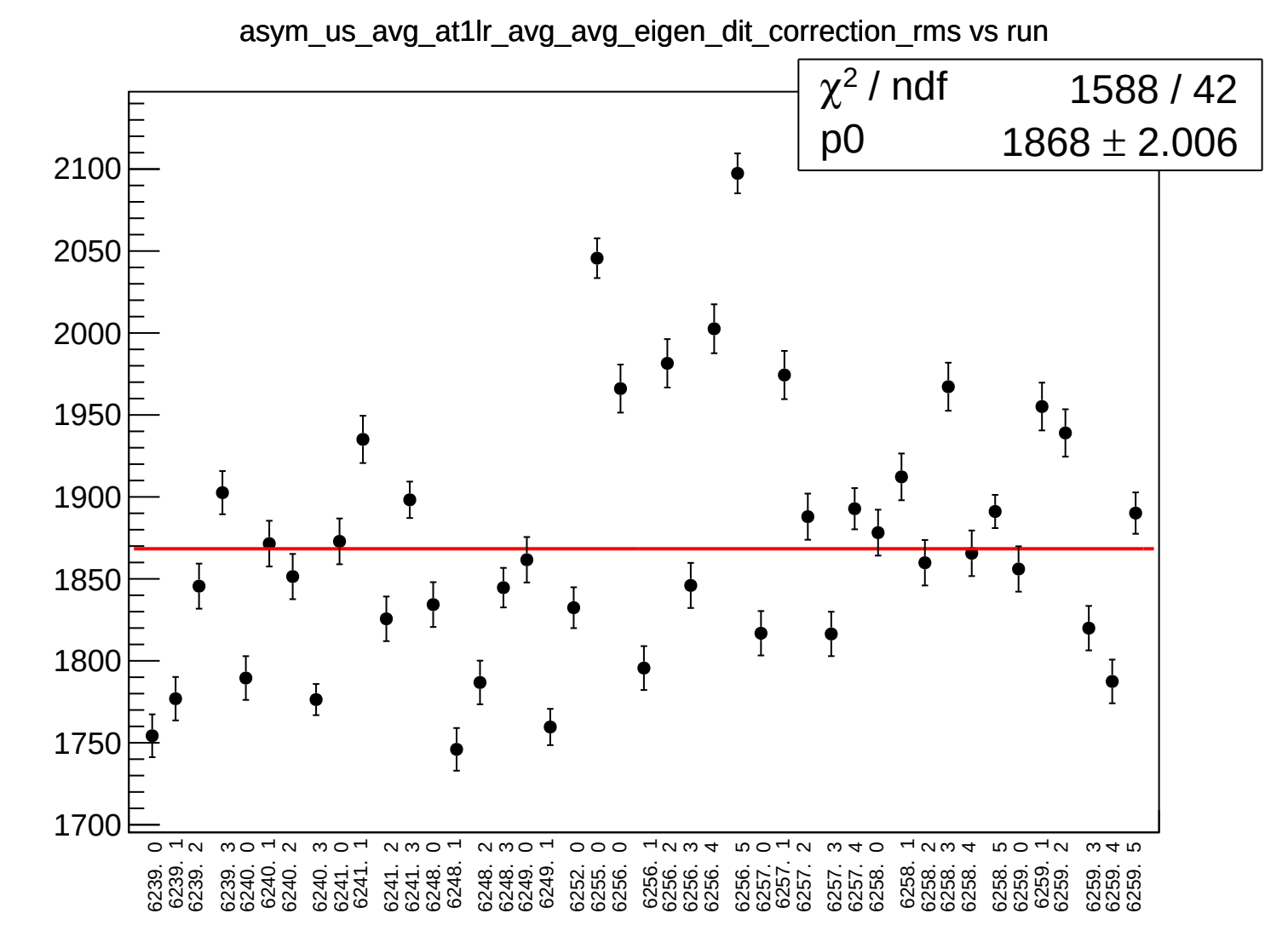

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 34.94 / 42
p0 3857 ± 3327
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −43.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

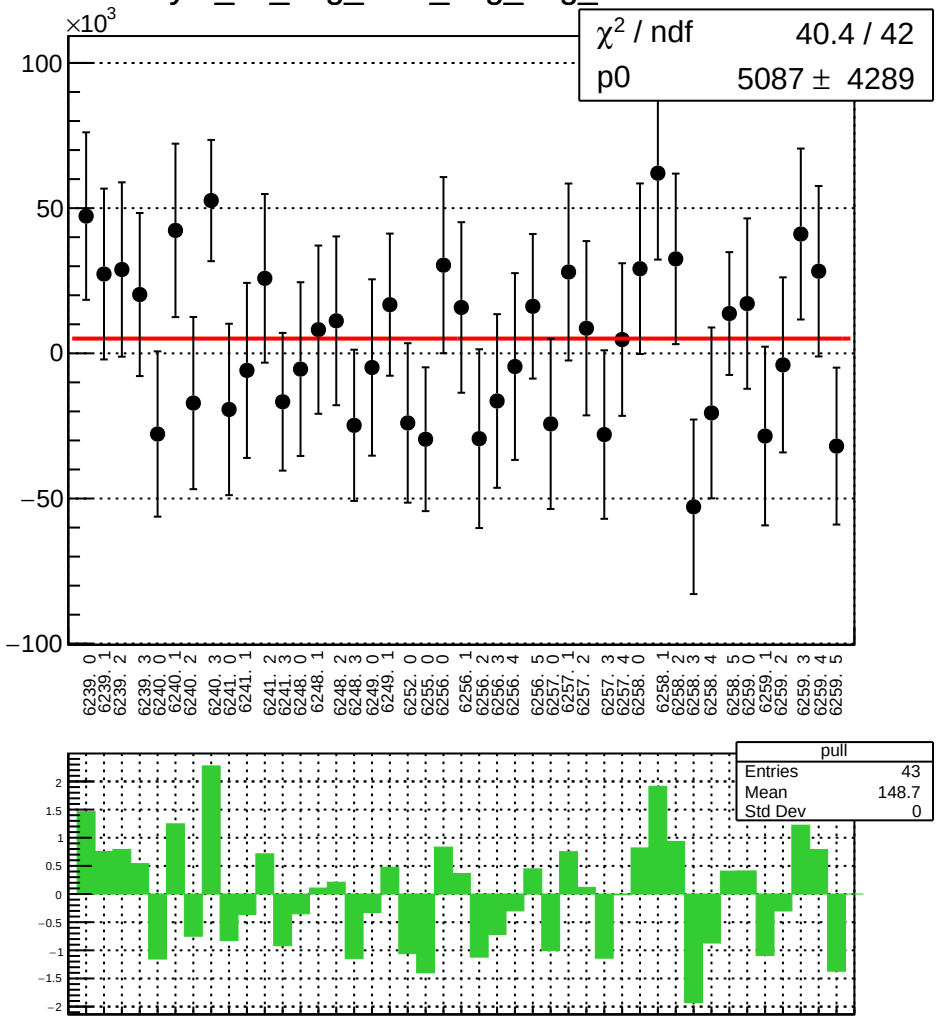

pull1D
Entries 43
Mean 0.02321
Std Dev 0.9012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

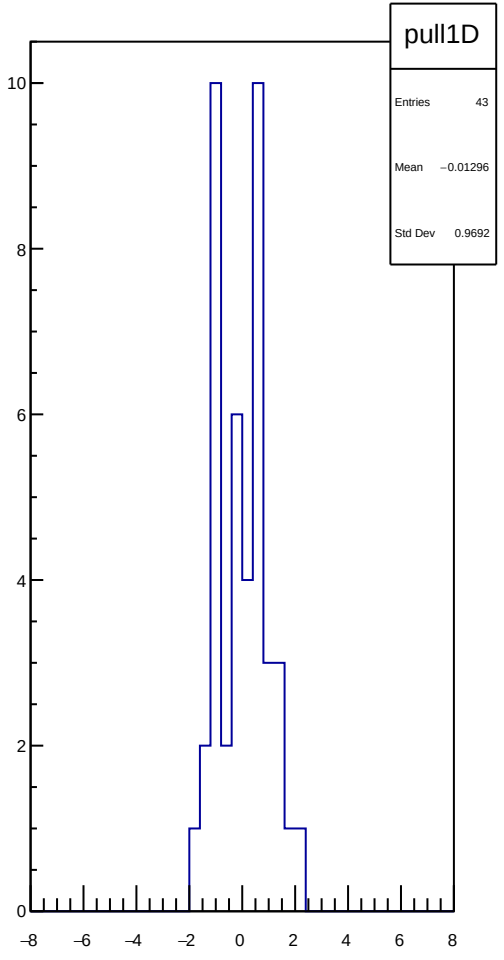

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 79.65 / 42
p0 2193 ± 2.352
2280
2260
2240
2220
2200
2180
2160
2140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

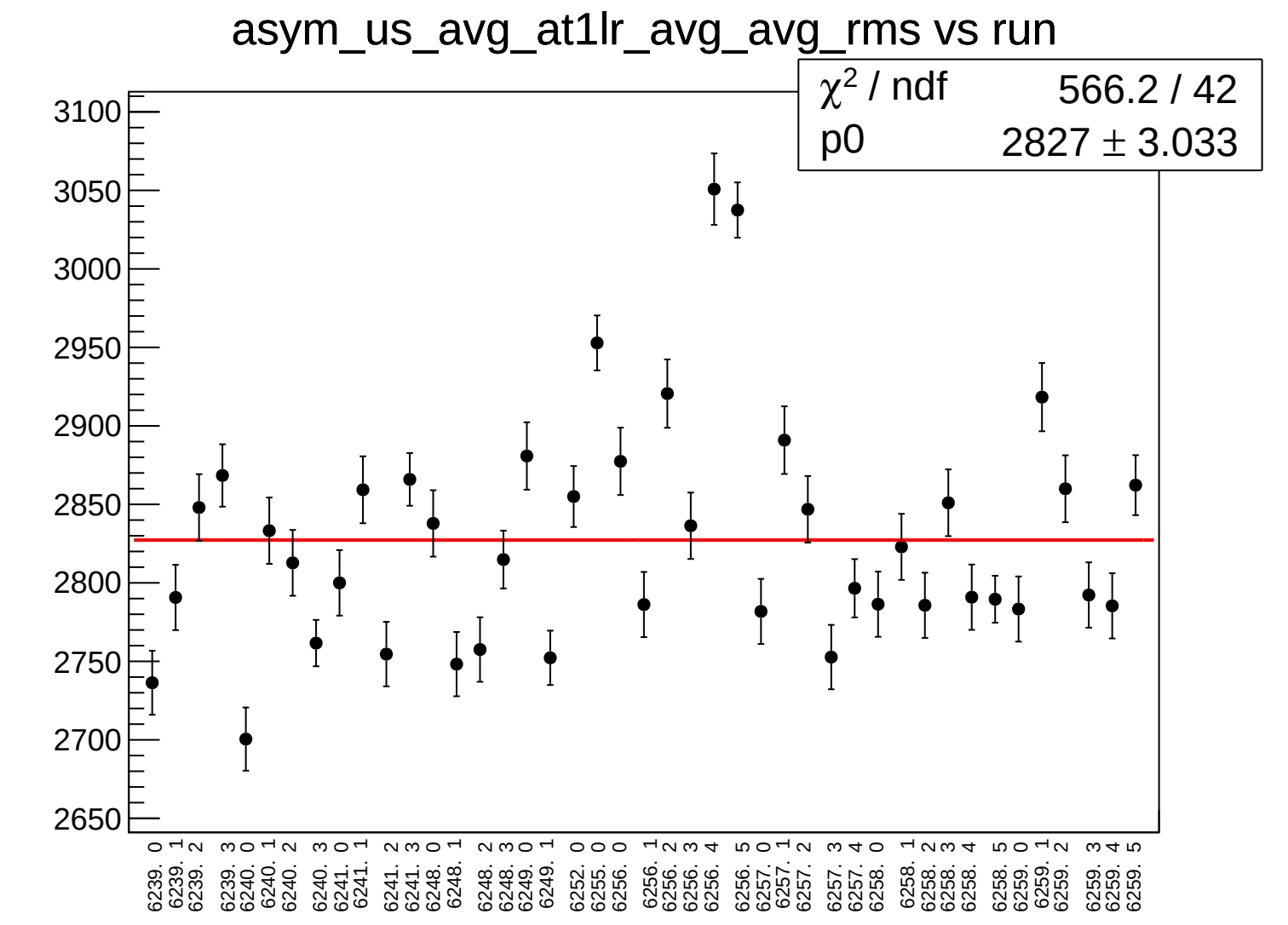

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.68 / 42
p0 −956.8 ± 2836
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.69
Std Dev 0
2
1
0
−1
−2

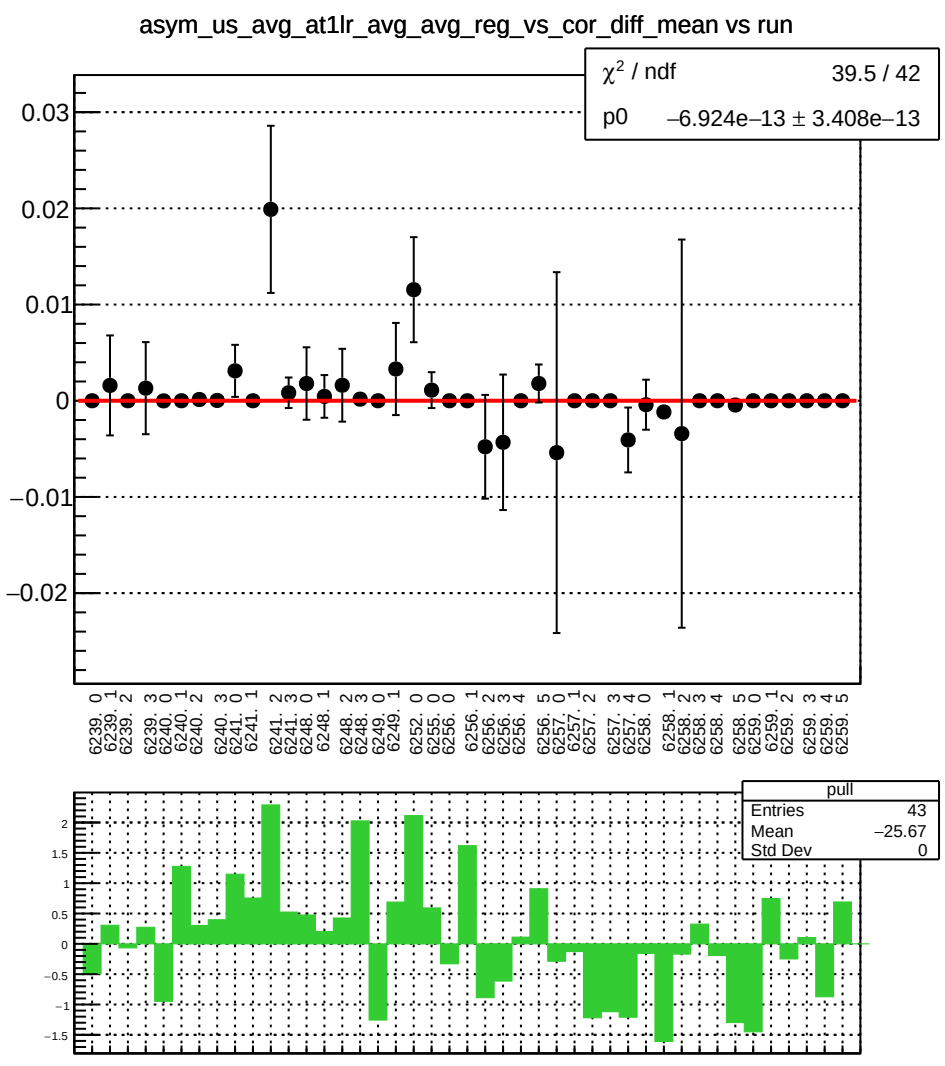

pull1D
Entries 43
Mean 0.03888
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

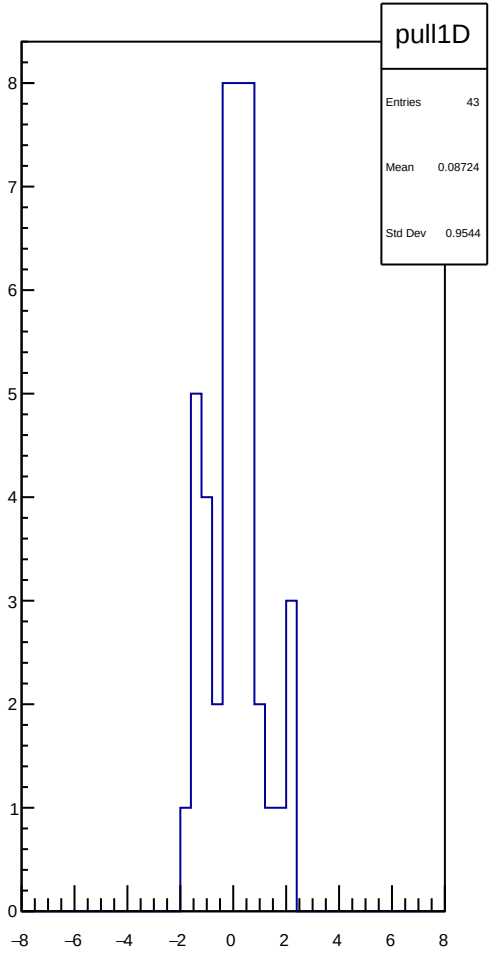

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1588 / 42
p0 1868 ± 2.006
2100
2050
2000
1950
1900
1850
1800
1750
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

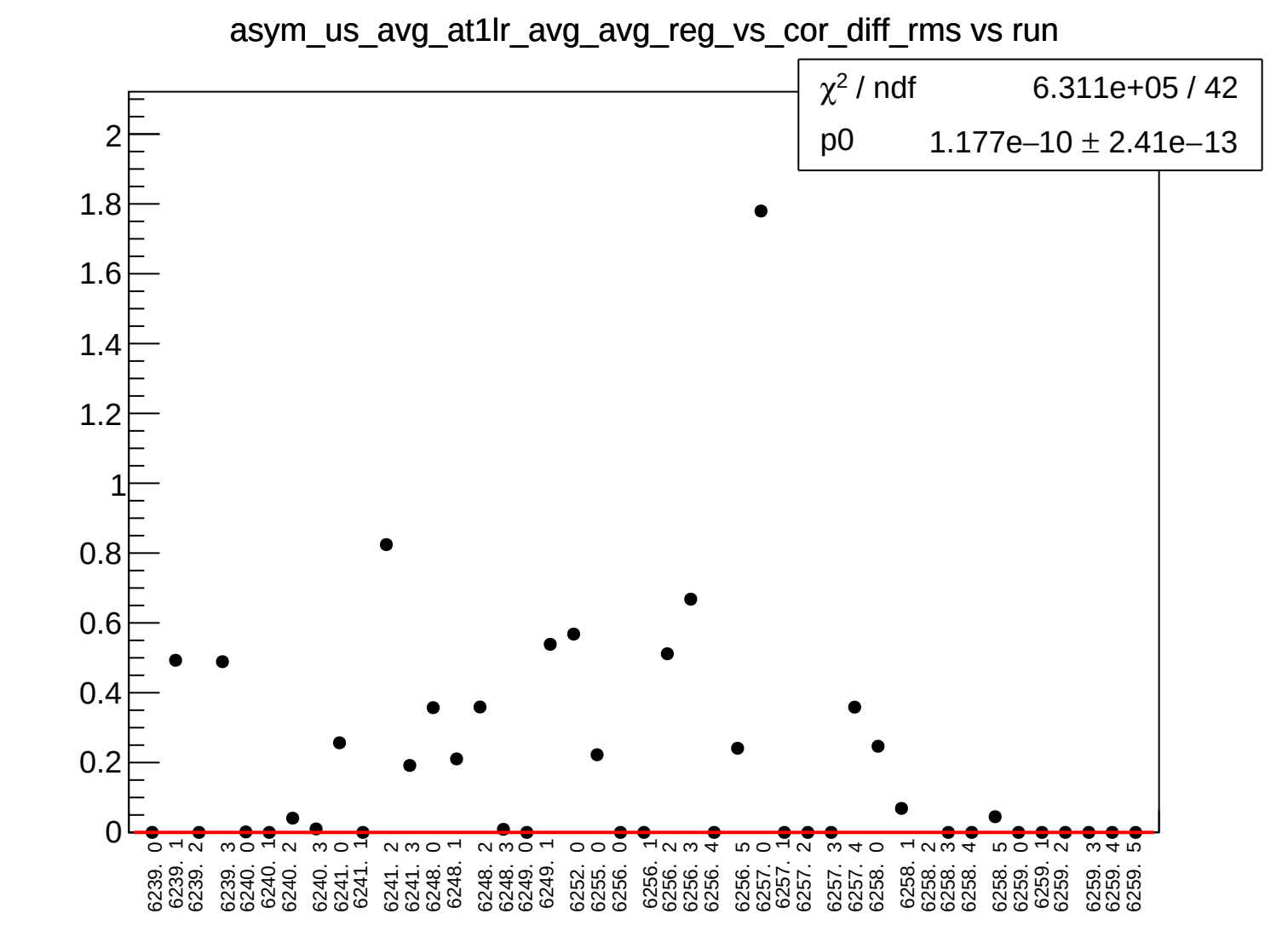

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 40.4 / 42
p0 5087 ± 4289
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 148.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

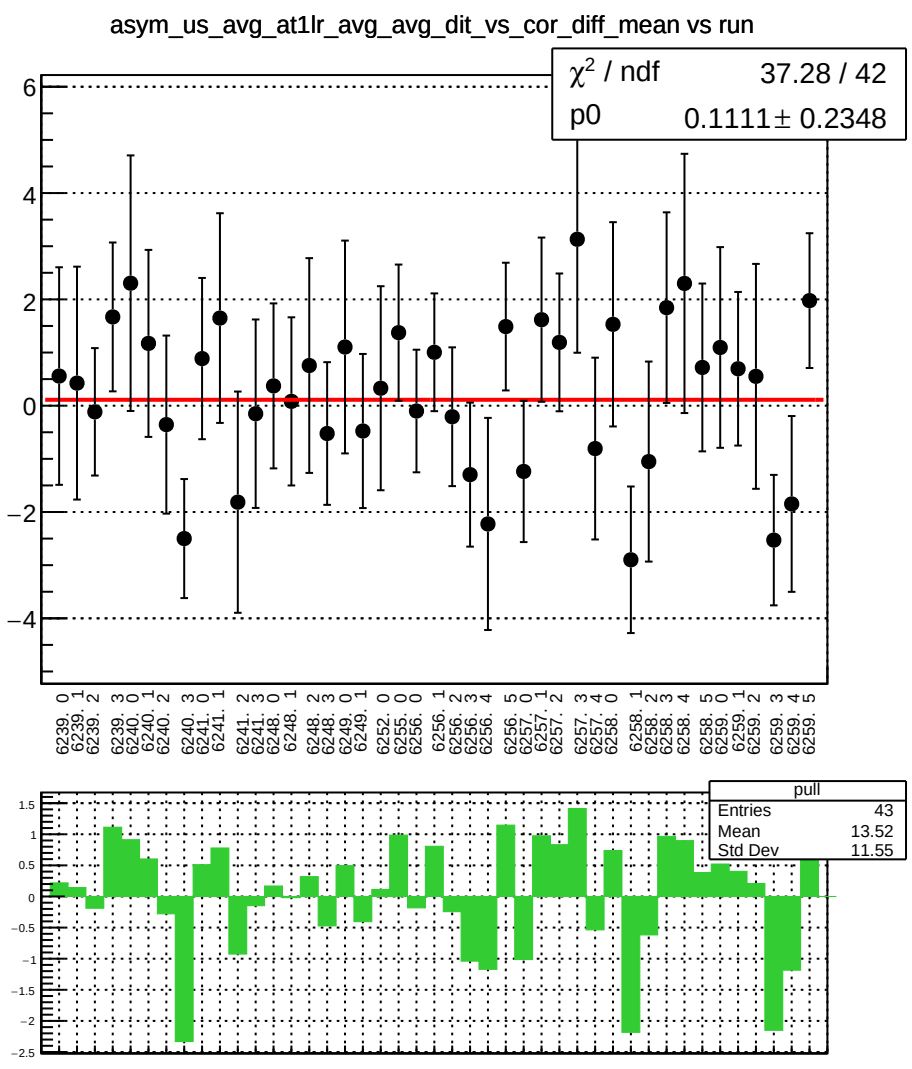

pull1D
Entries 43
Mean −0.01296
Std Dev 0.9692
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

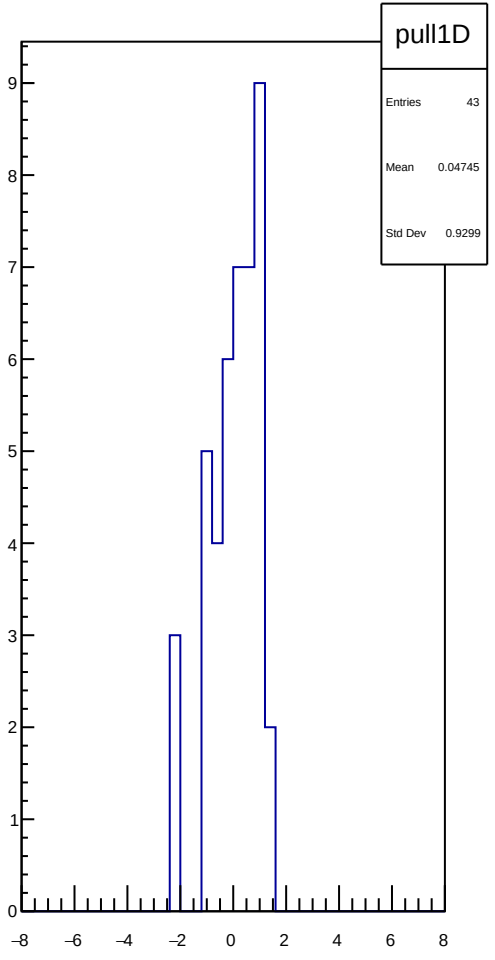

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 566.2 / 42
p0 2827 ± 3.033
3100
3050
3000
2950
2900
2850
2800
2750
2700
2650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

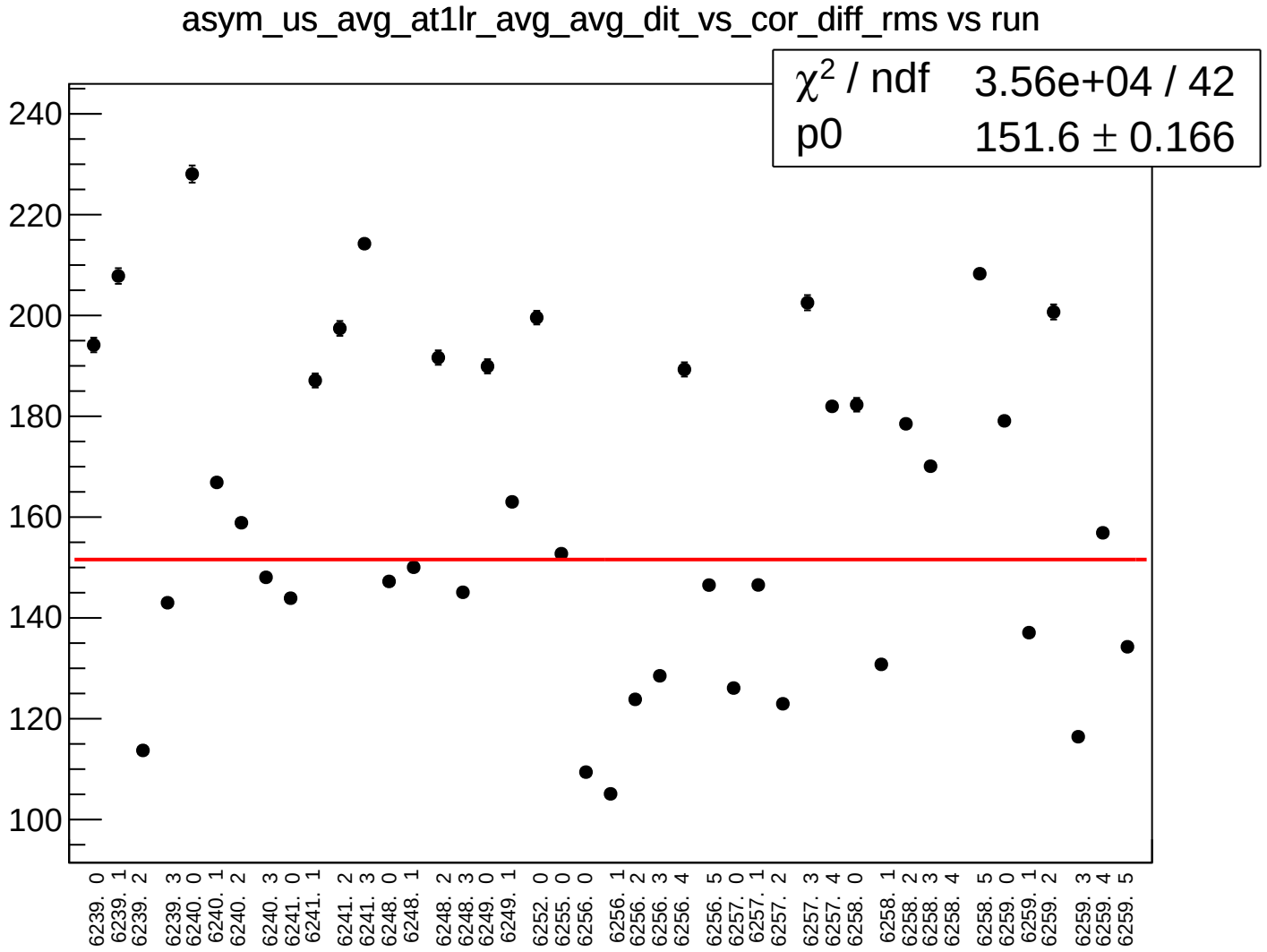

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 39.5 / 42
p0 −6.924e−13 ± 3.408e−13
0.03
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −25.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

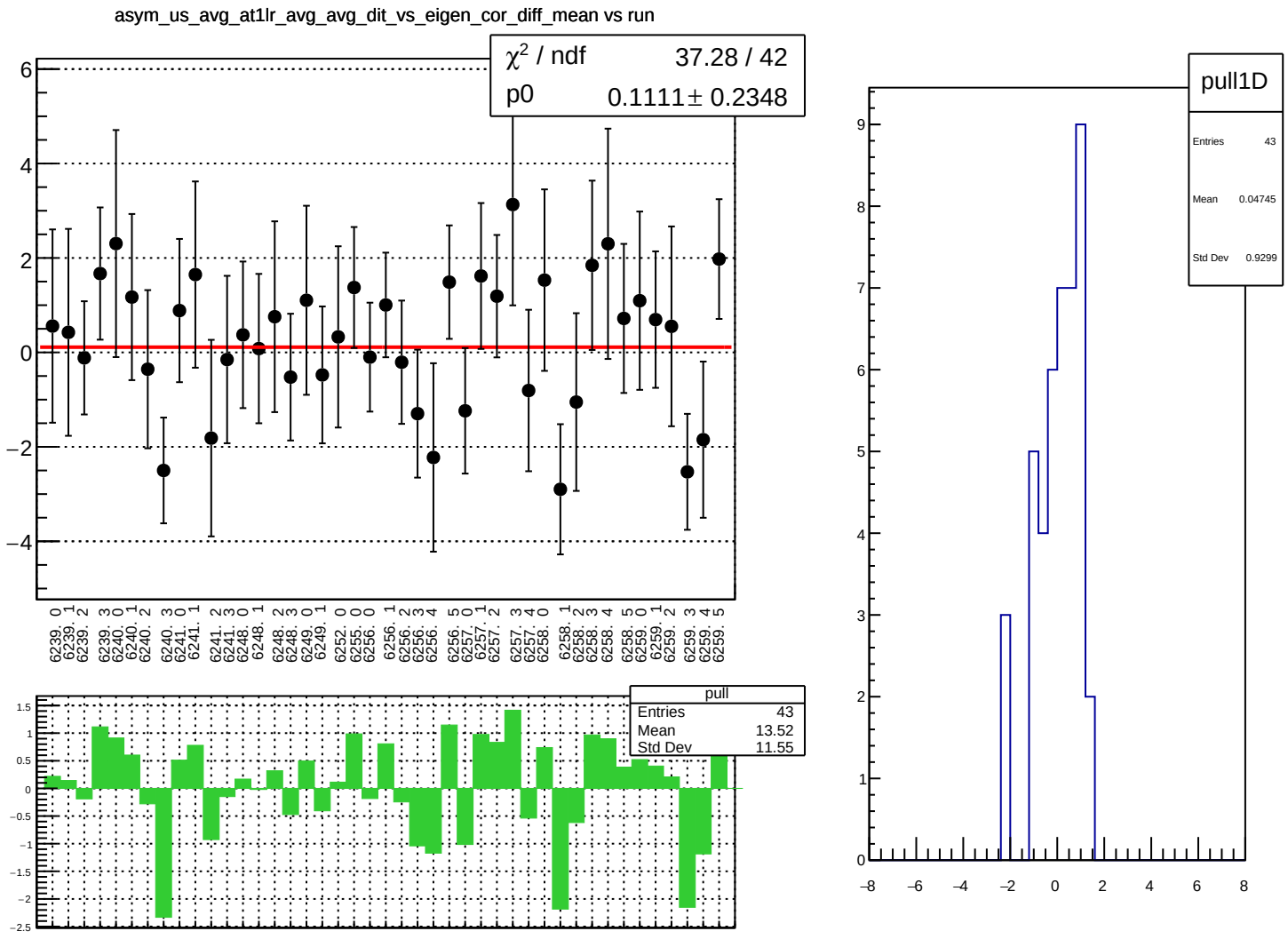

pull1D
Entries 43
Mean 0.08724
Std Dev 0.9544
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

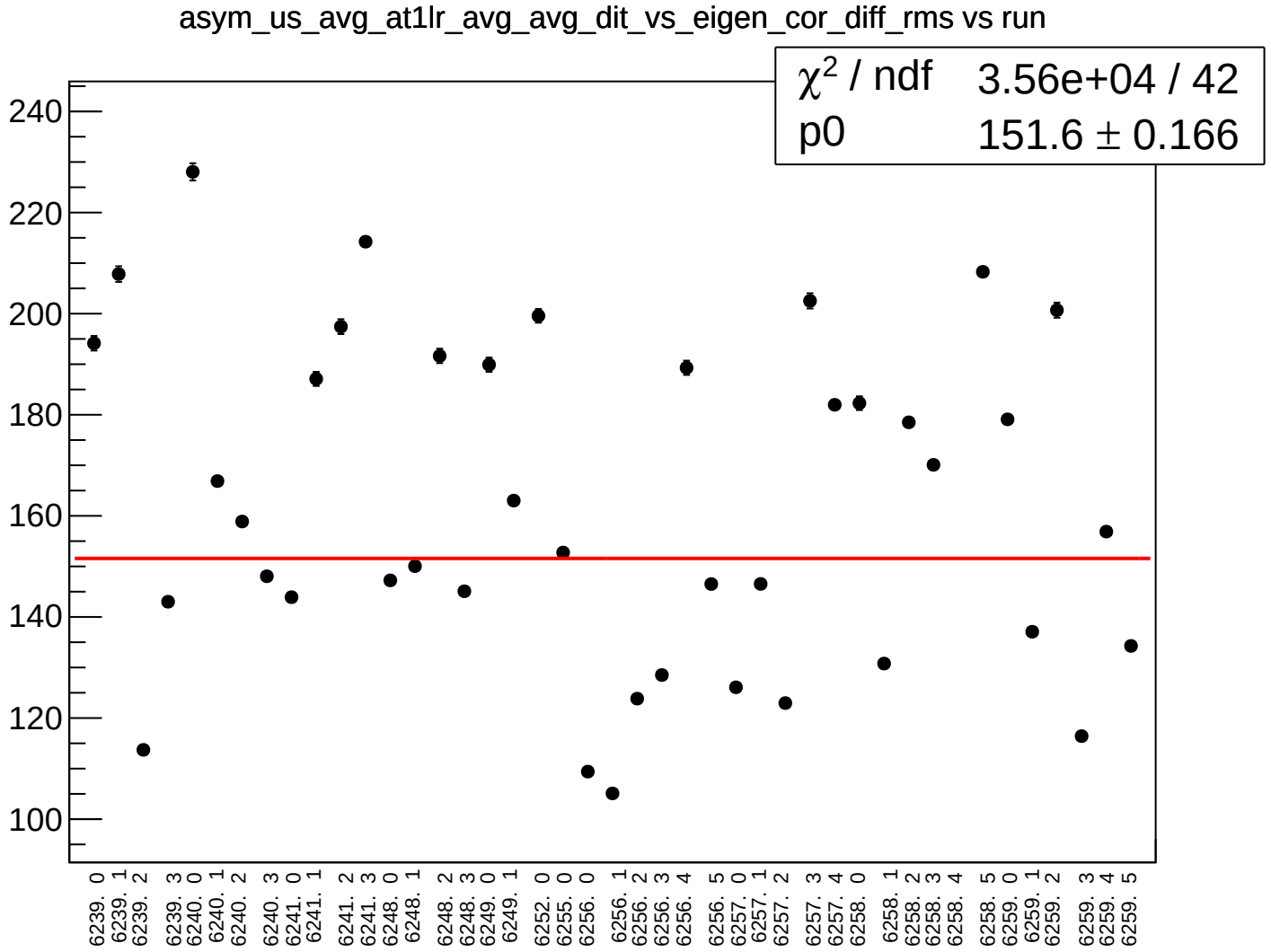

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.311e+05 / 42
p0 1.177e−10 ± 2.41e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

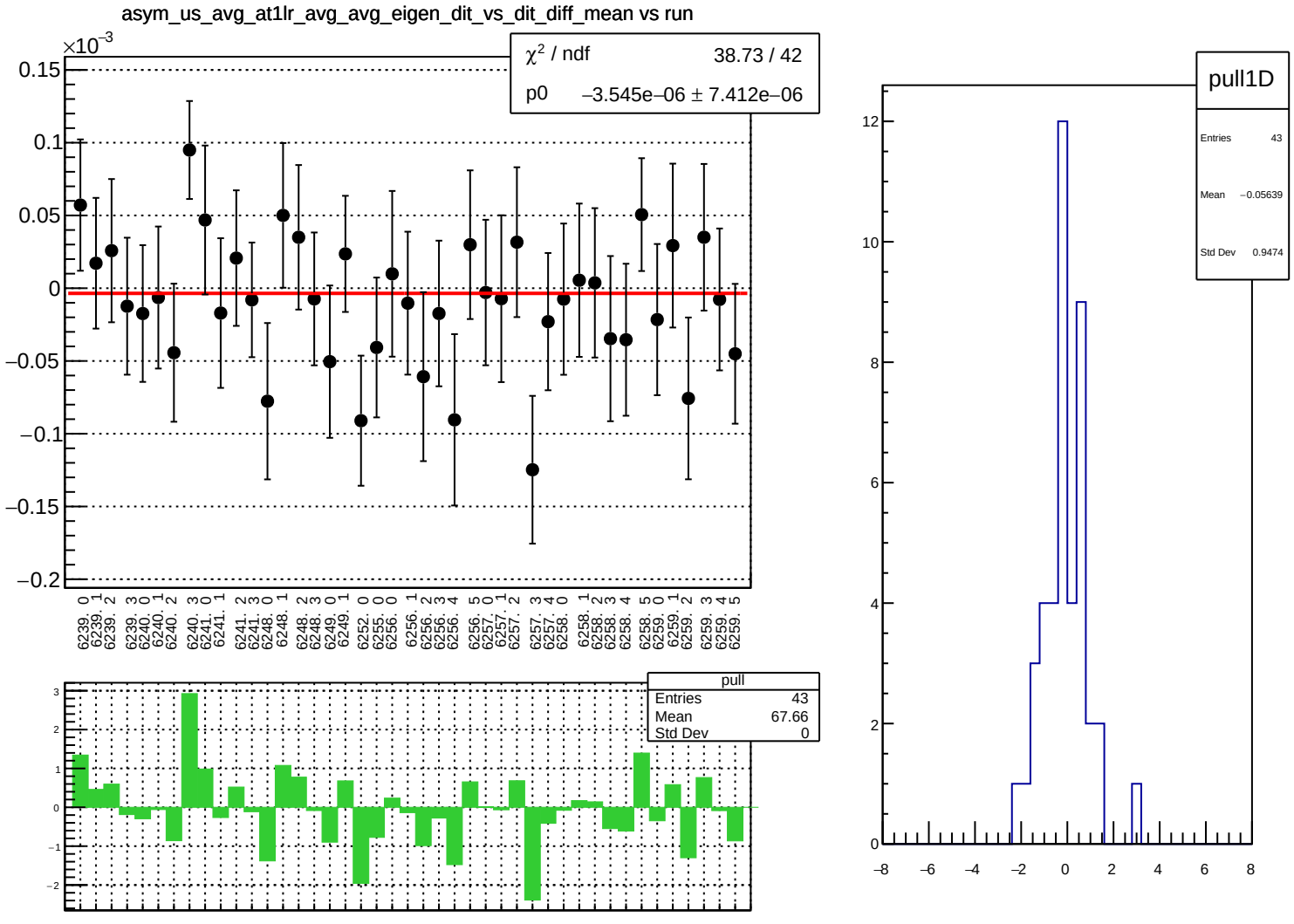

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.28 / 42
p0 0.1111 ± 0.2348
pull
Entries 43
Mean 13.52
Std Dev 11.55

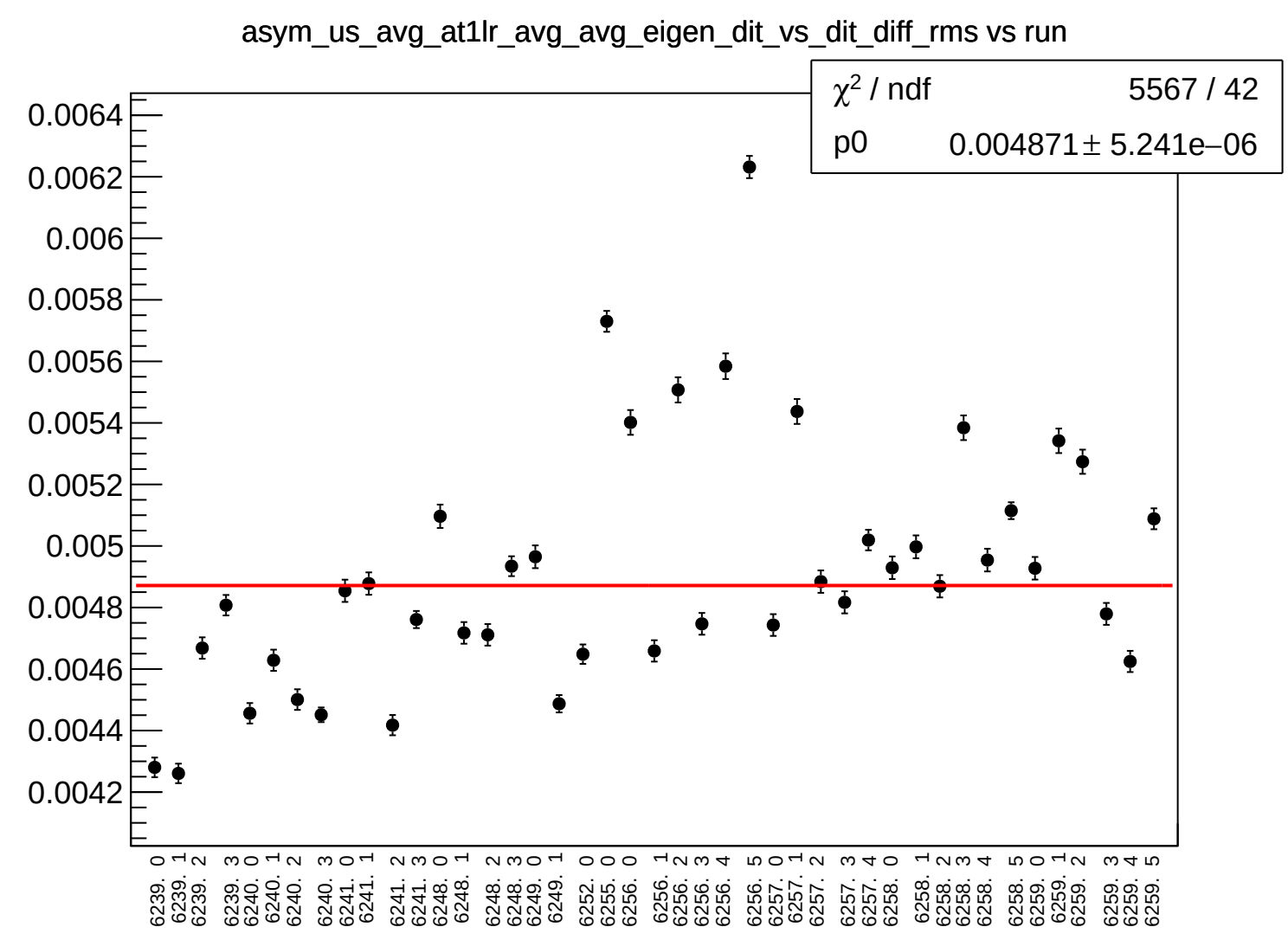

pull1D
Entries 43
Mean 0.04745
Std Dev 0.9299

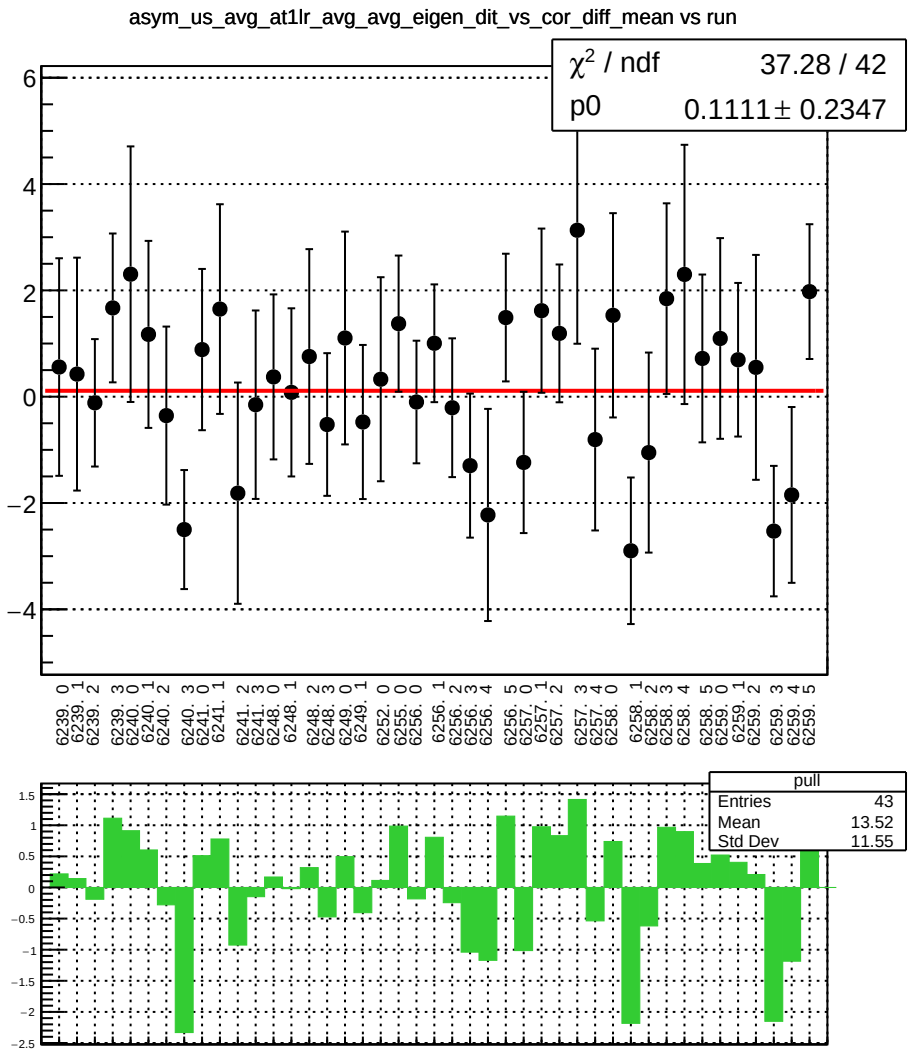

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.56e+04 / 42
p0 151.6 ± 0.166
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

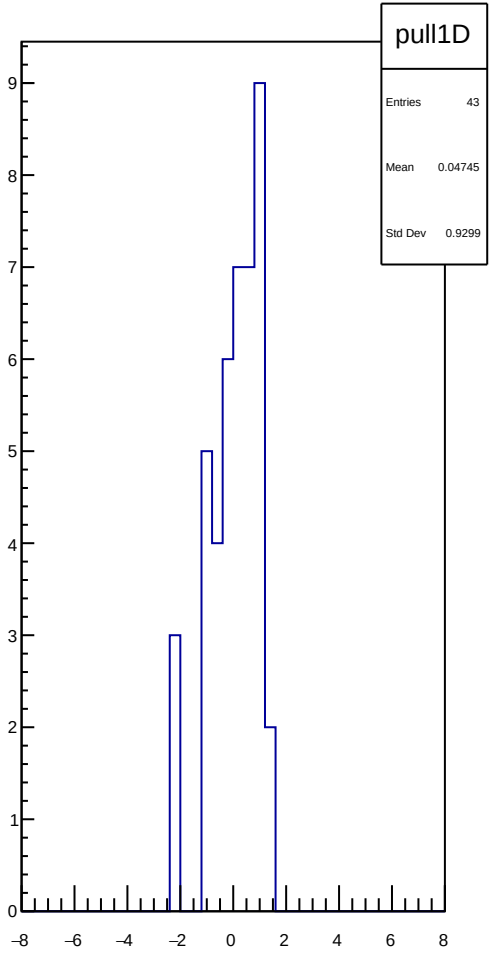

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.28 / 42
p0 0.1111 ± 0.2348
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.52
Std Dev 11.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.04745
Std Dev 0.9299
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

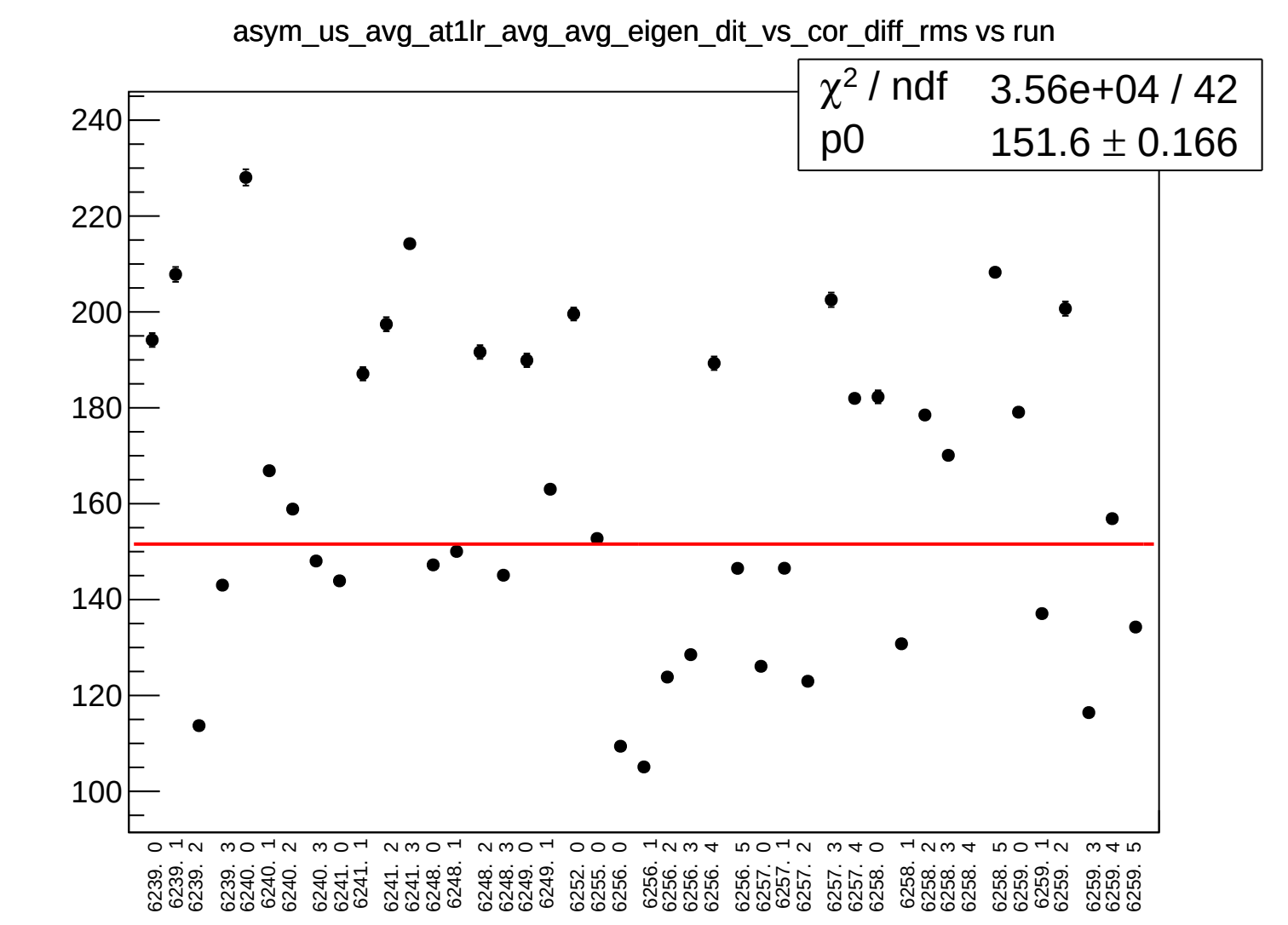

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.56e+04 / 42
p0 151.6 ± 0.166
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

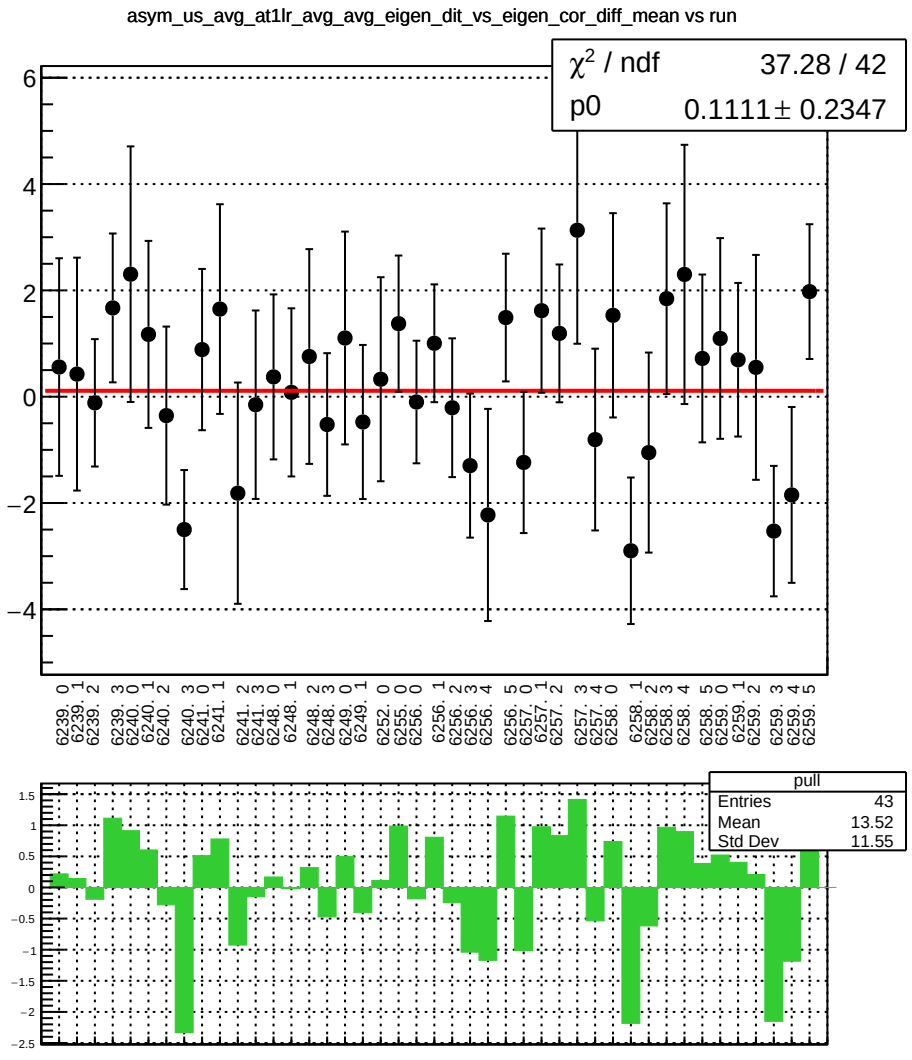

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.73 / 42
p0 −3.545e−06 ± 7.412e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 67.66
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05639
Std Dev 0.9474
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

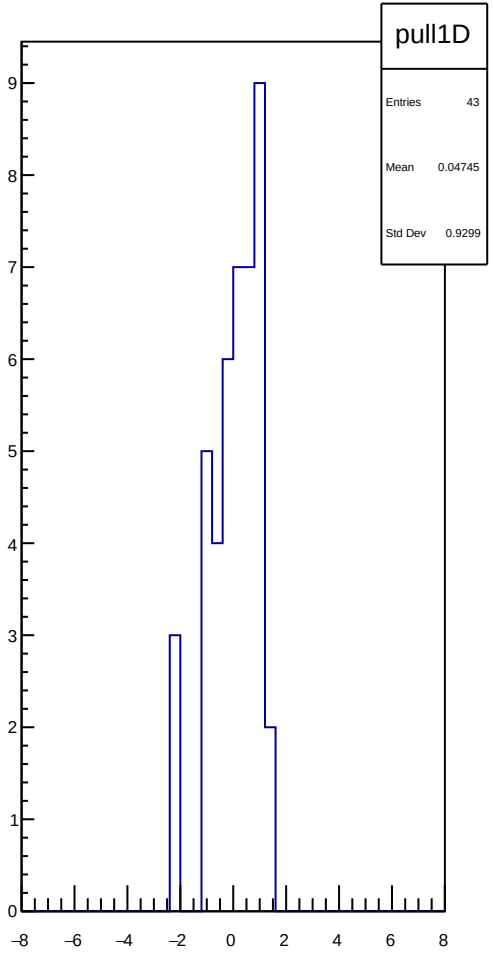

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5567 / 42
p0 0.004871 ± 5.241e−06
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

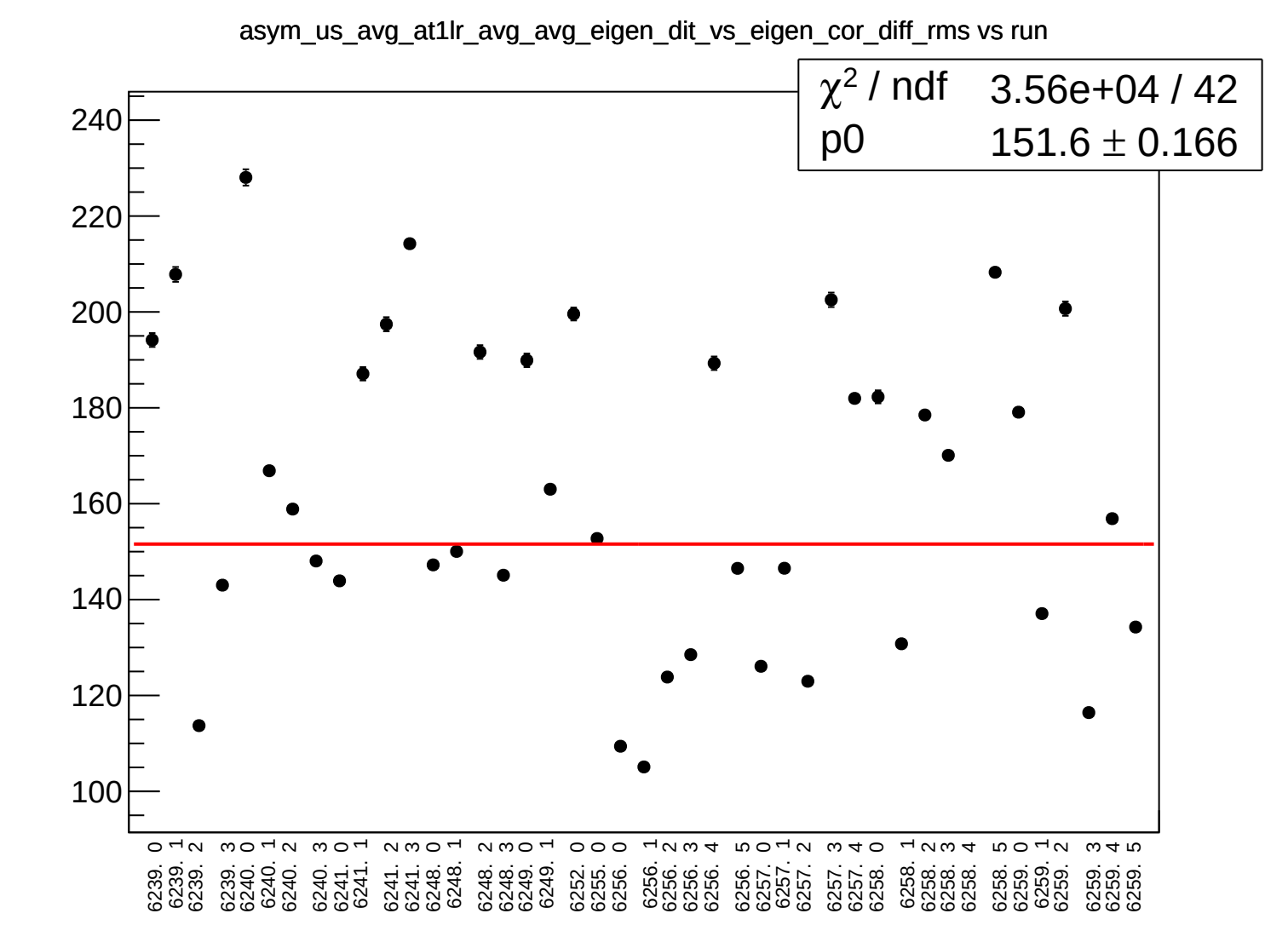

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.28 / 42
p0 0.1111 ± 0.2347
pull
Entries 43
Mean 13.52
Std Dev 11.55

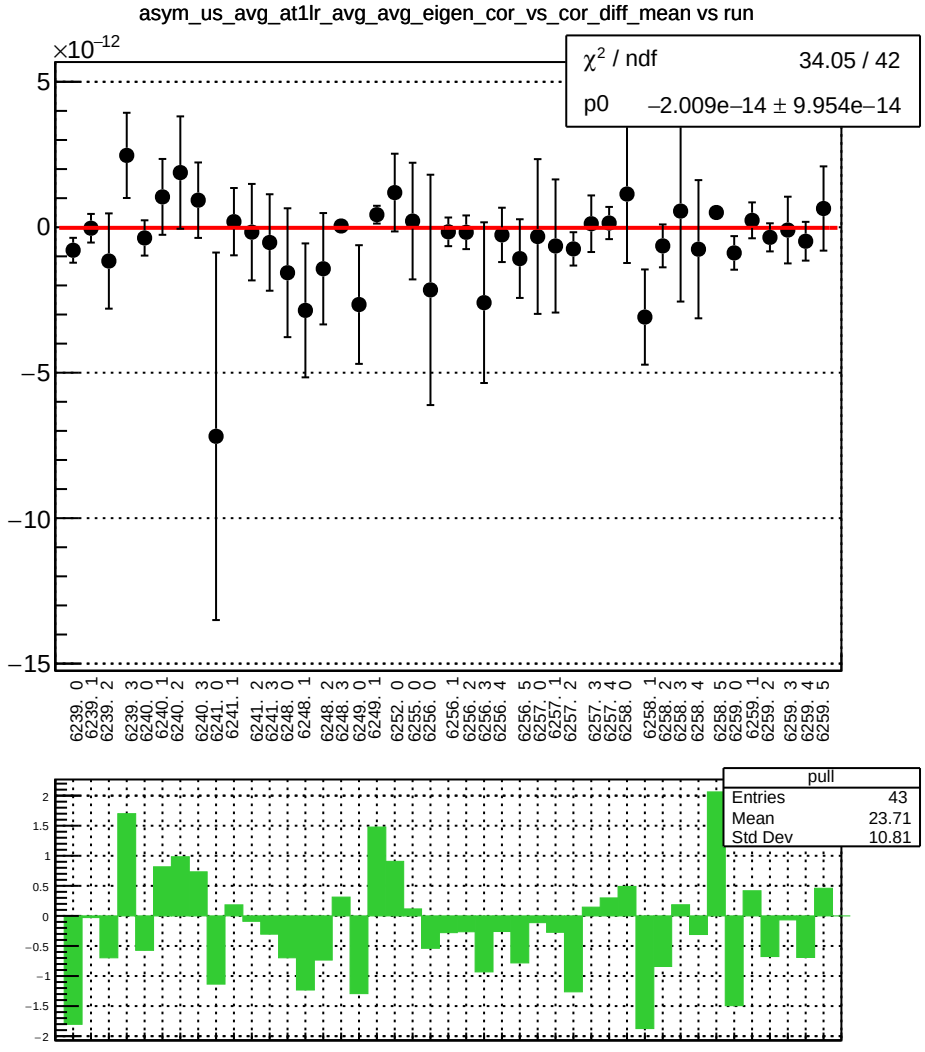

pull1D
Entries 43
Mean 0.04745
Std Dev 0.9299

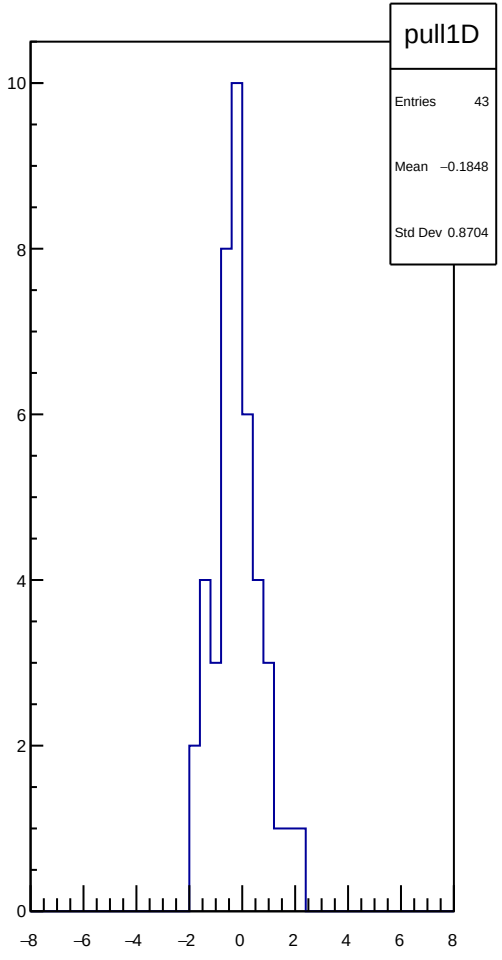

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.56e+04 / 42
p0 151.6 ± 0.166
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

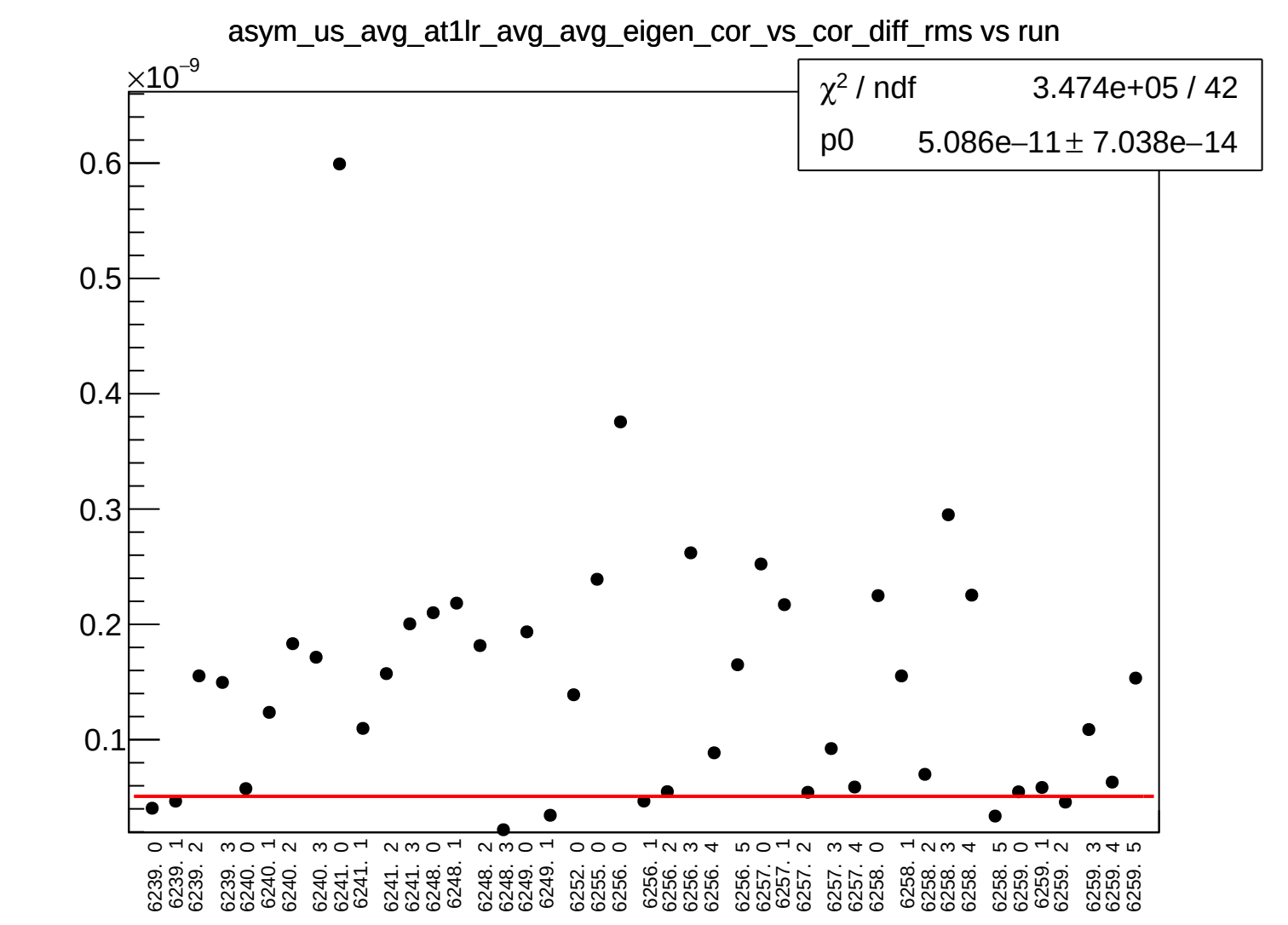

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.28 / 42
p0 0.1111 ± 0.2347
pull
Entries 43
Mean 13.52
Std Dev 11.55

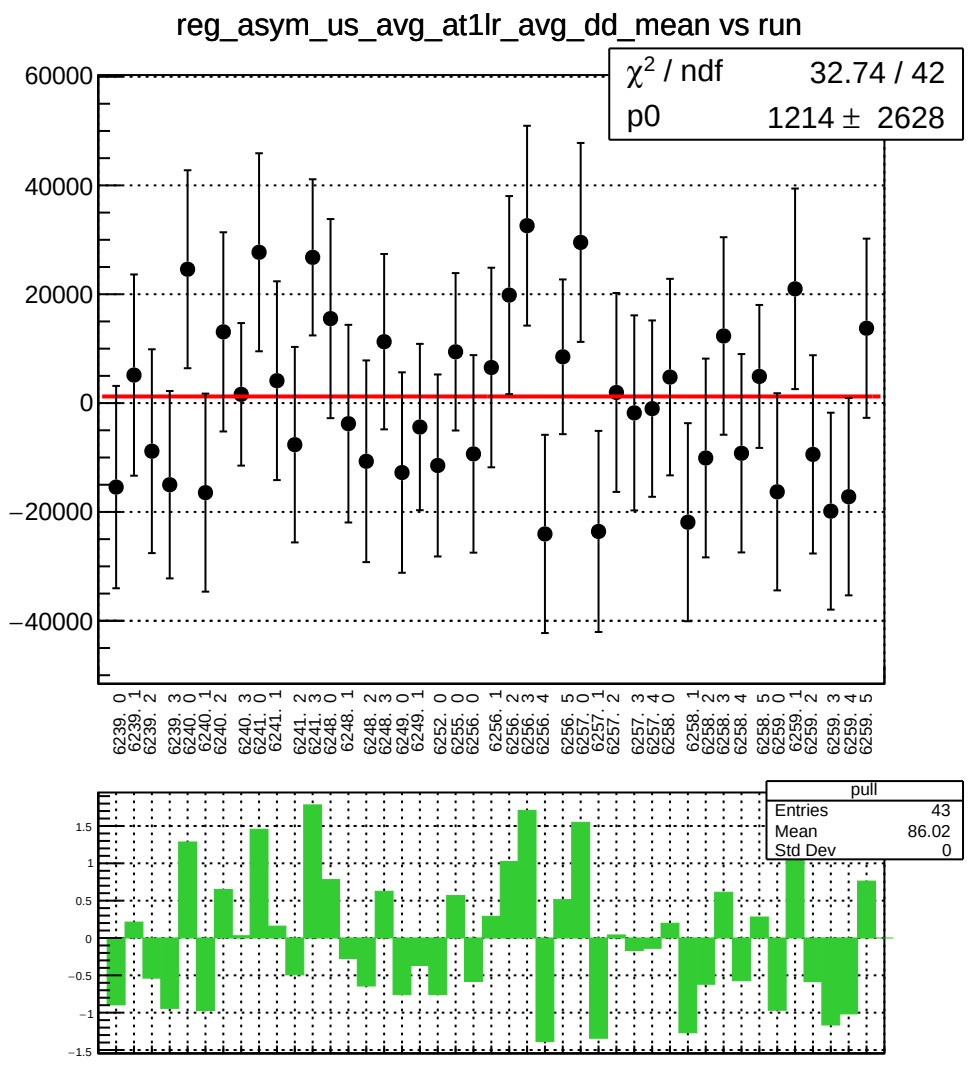

pull1D
Entries 43
Mean 0.04745
Std Dev 0.9299

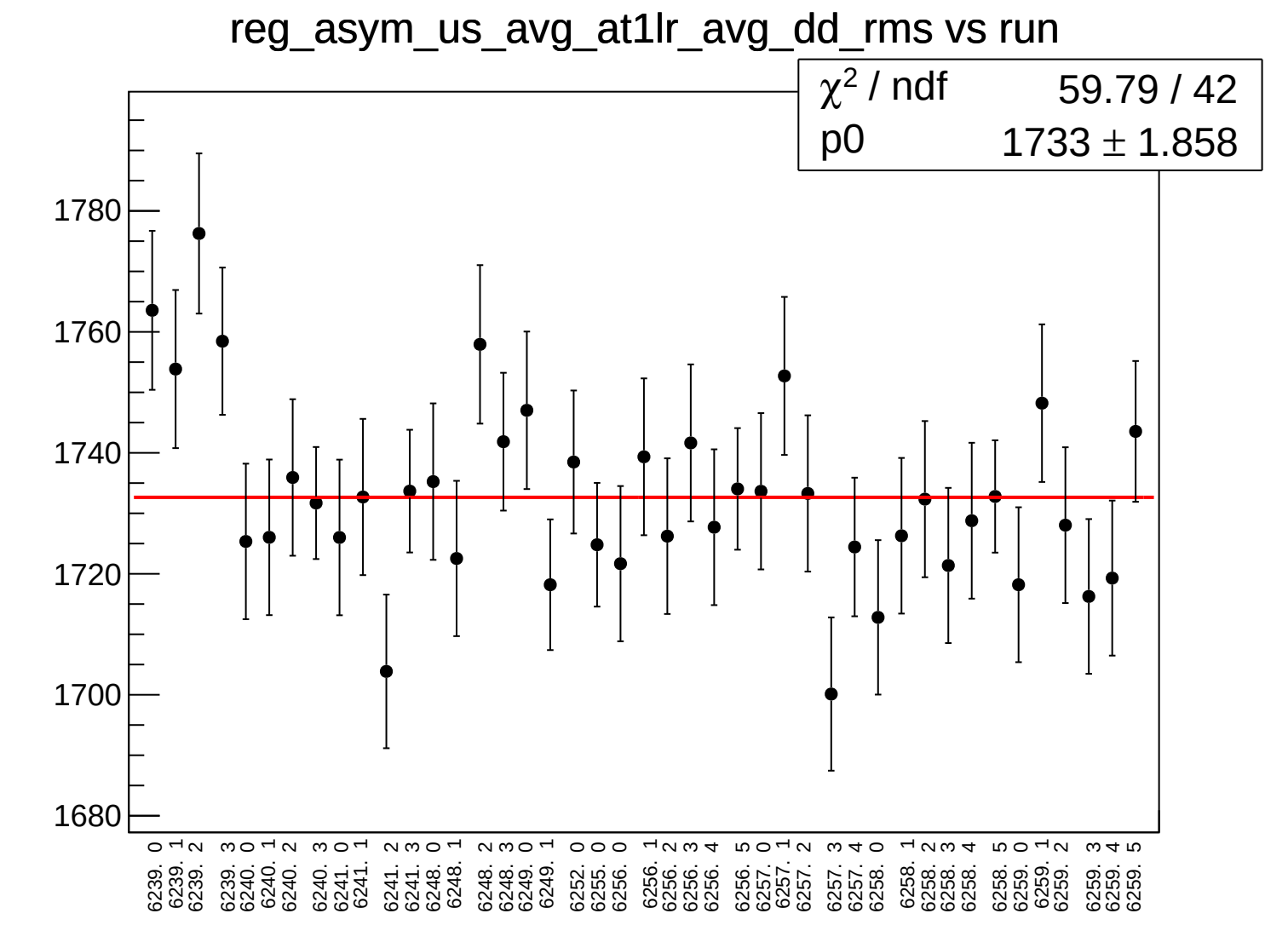

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.56e+04 / 42
p0 151.6 ± 0.166
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

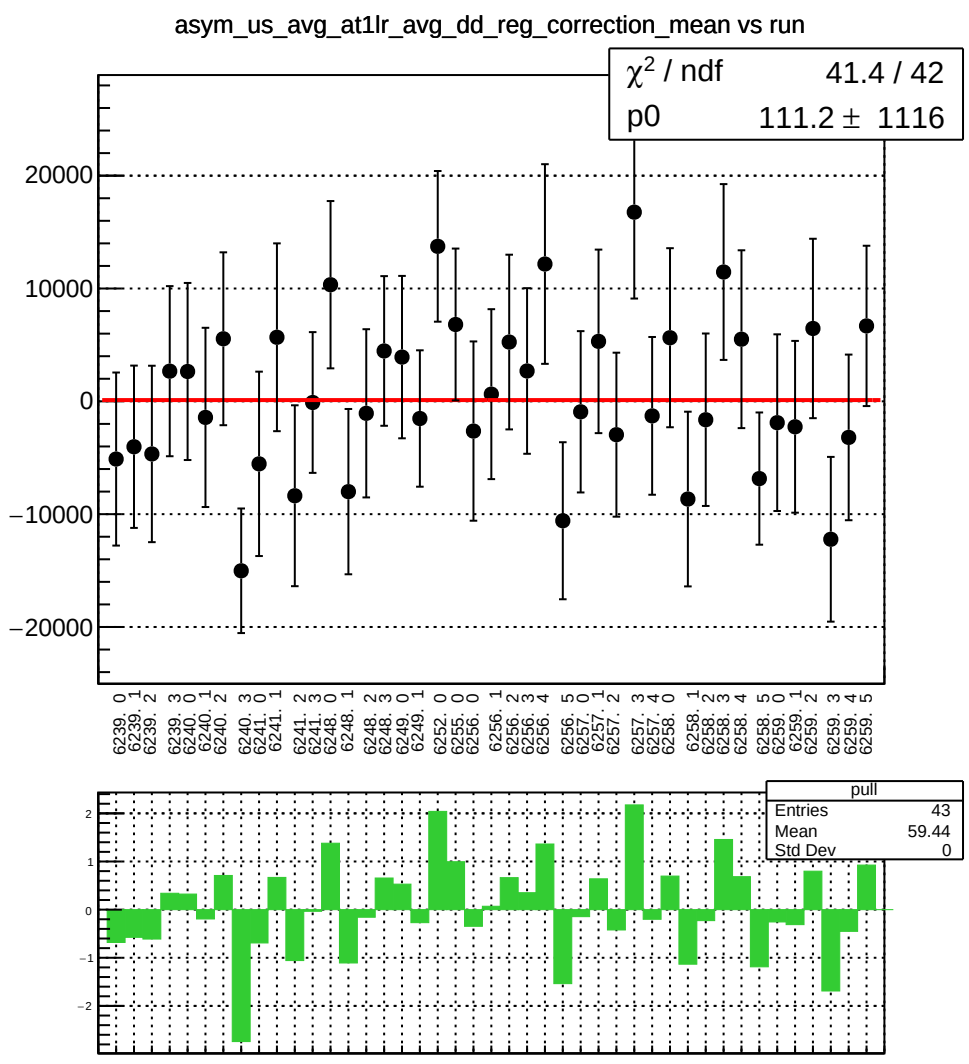

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.05 / 42
p0 −2.009e−14 ± 9.954e−14
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 23.71
Std Dev 10.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

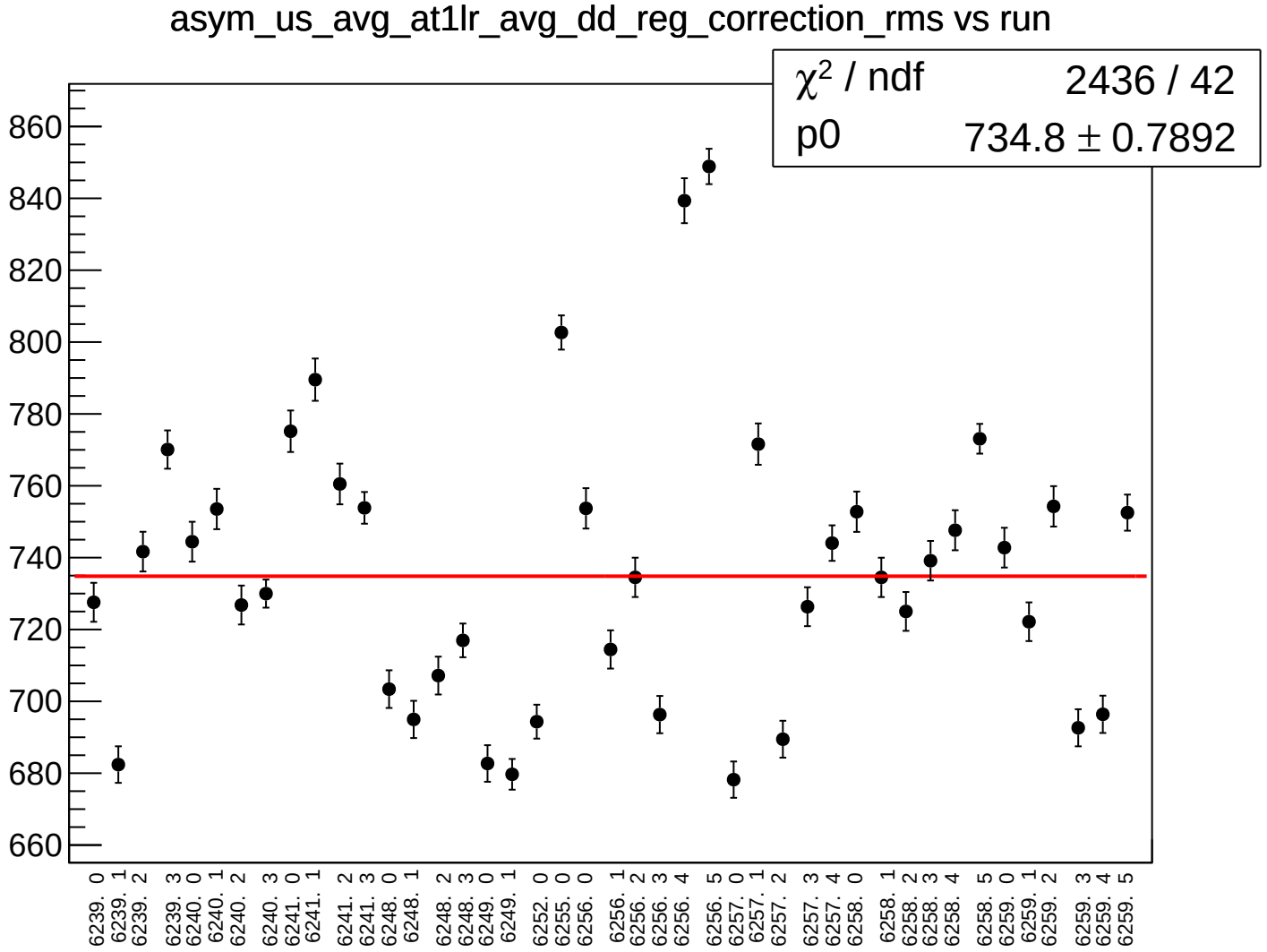

pull1D
Entries 43
Mean −0.1848
Std Dev 0.8704
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

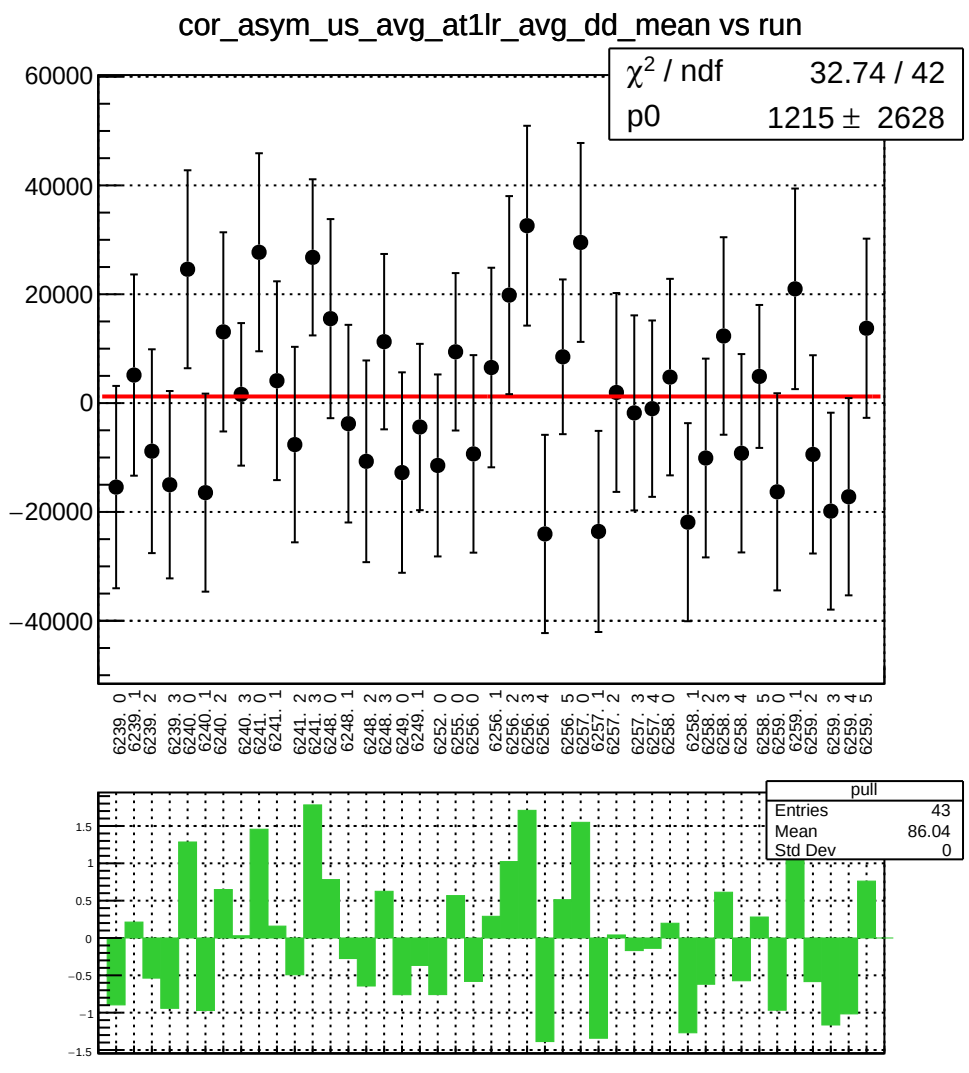

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.474e+05 / 42
p0 5.086e−11 ± 7.038e−14
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

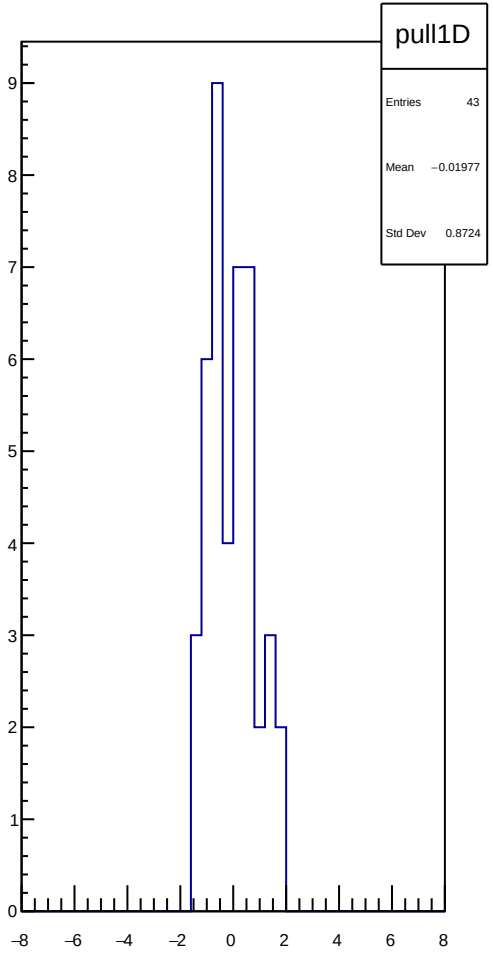

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.74 / 42
p0 1214 ± 2628
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01976
Std Dev 0.8724
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

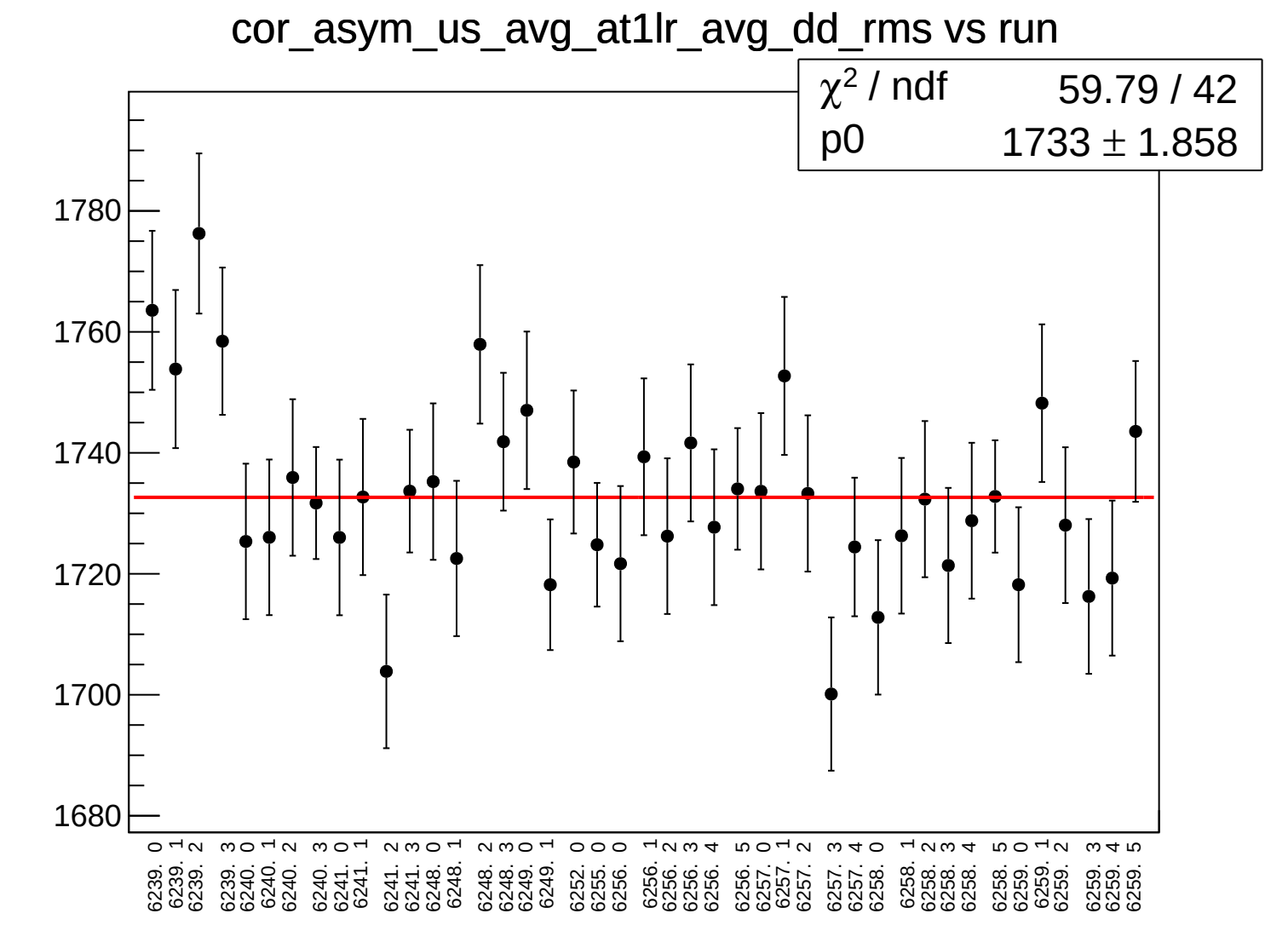

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 59.79 / 42
p0 1733 ± 1.858
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

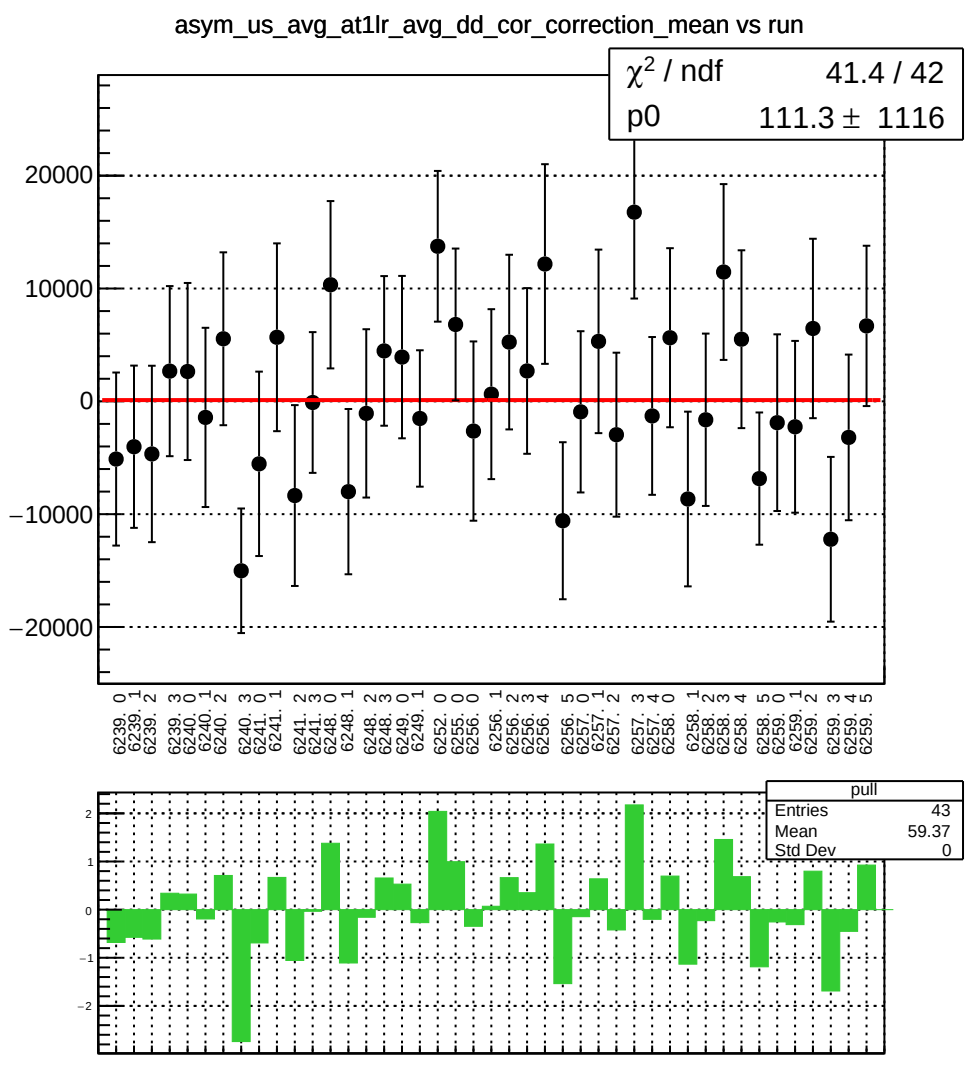

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 41.4 / 42
p0 111.2 ± 1116
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03354
Std Dev 0.9807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

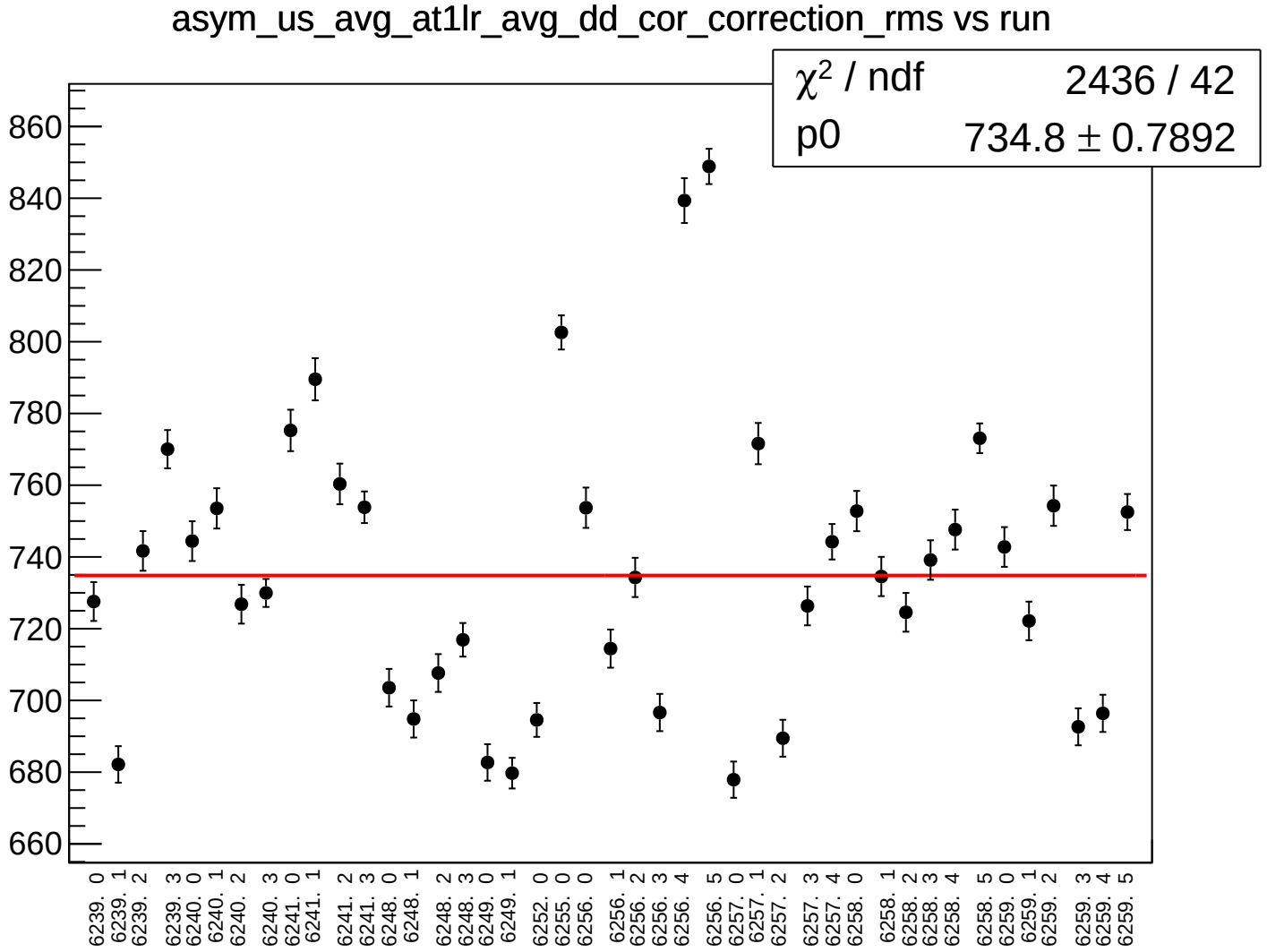

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2436 / 42
p0 734.8 ± 0.7892
860
840
820
800
780
760
740
720
700
680
660
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.74 / 42
p0 1215 ± 2628
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 43
Mean −0.01977
Std Dev 0.8724
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 59.79 / 42
p0 1733 ± 1.858
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 41.4 / 42
p0 111.3 ± 1116
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.37
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03357
Std Dev 0.9806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2436 / 42
p0 734.8 ± 0.7892
860
840
820
800
780
760
740
720
700
680
660
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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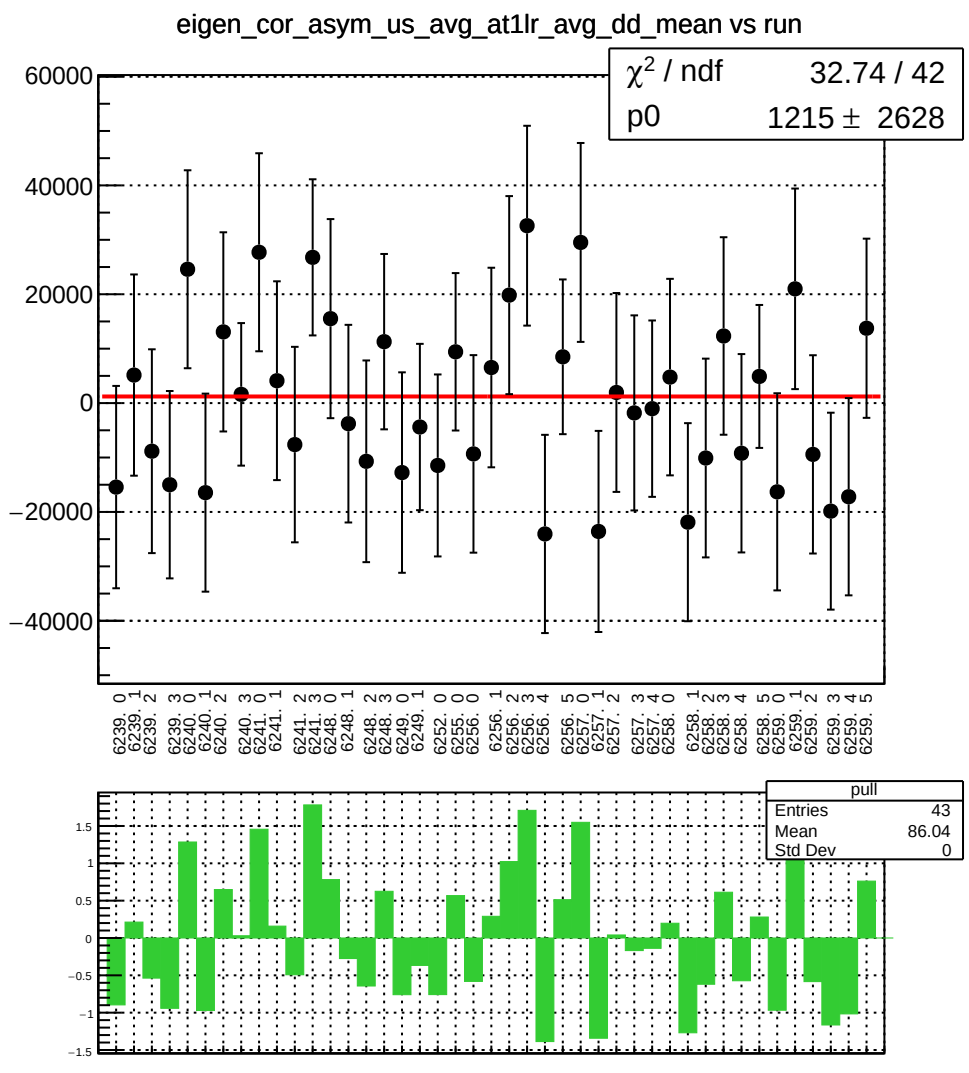
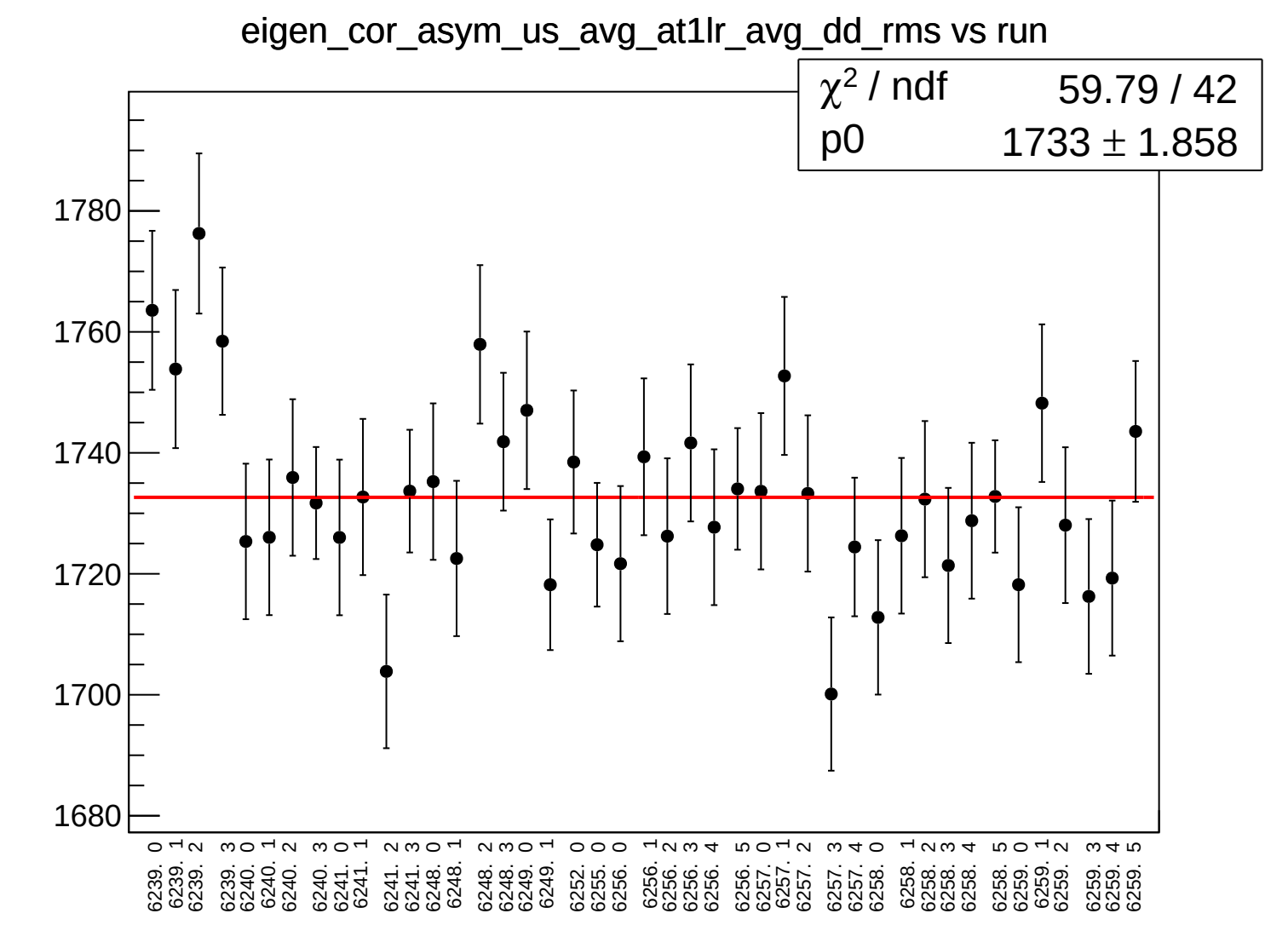
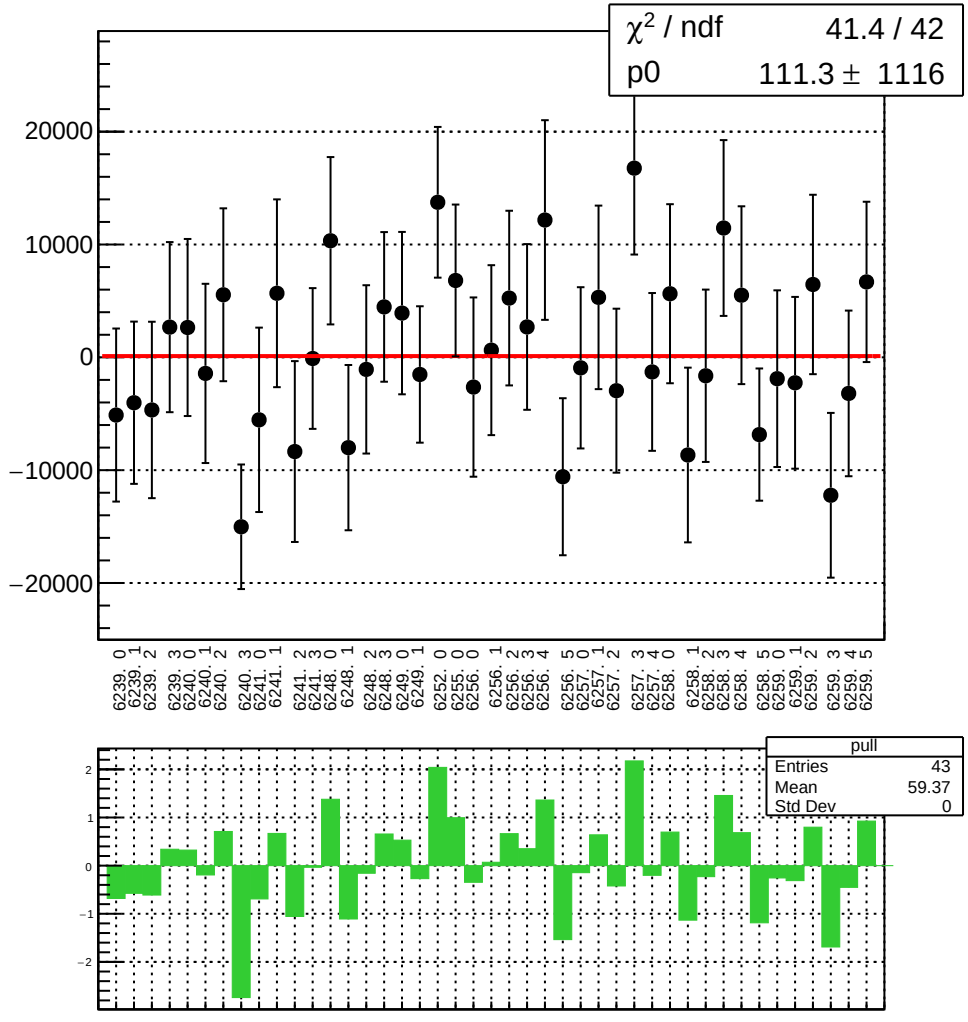
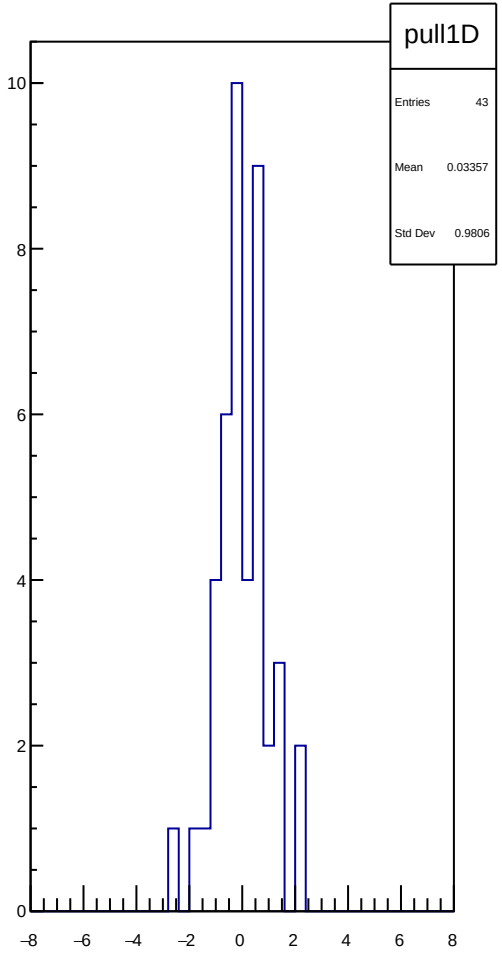
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

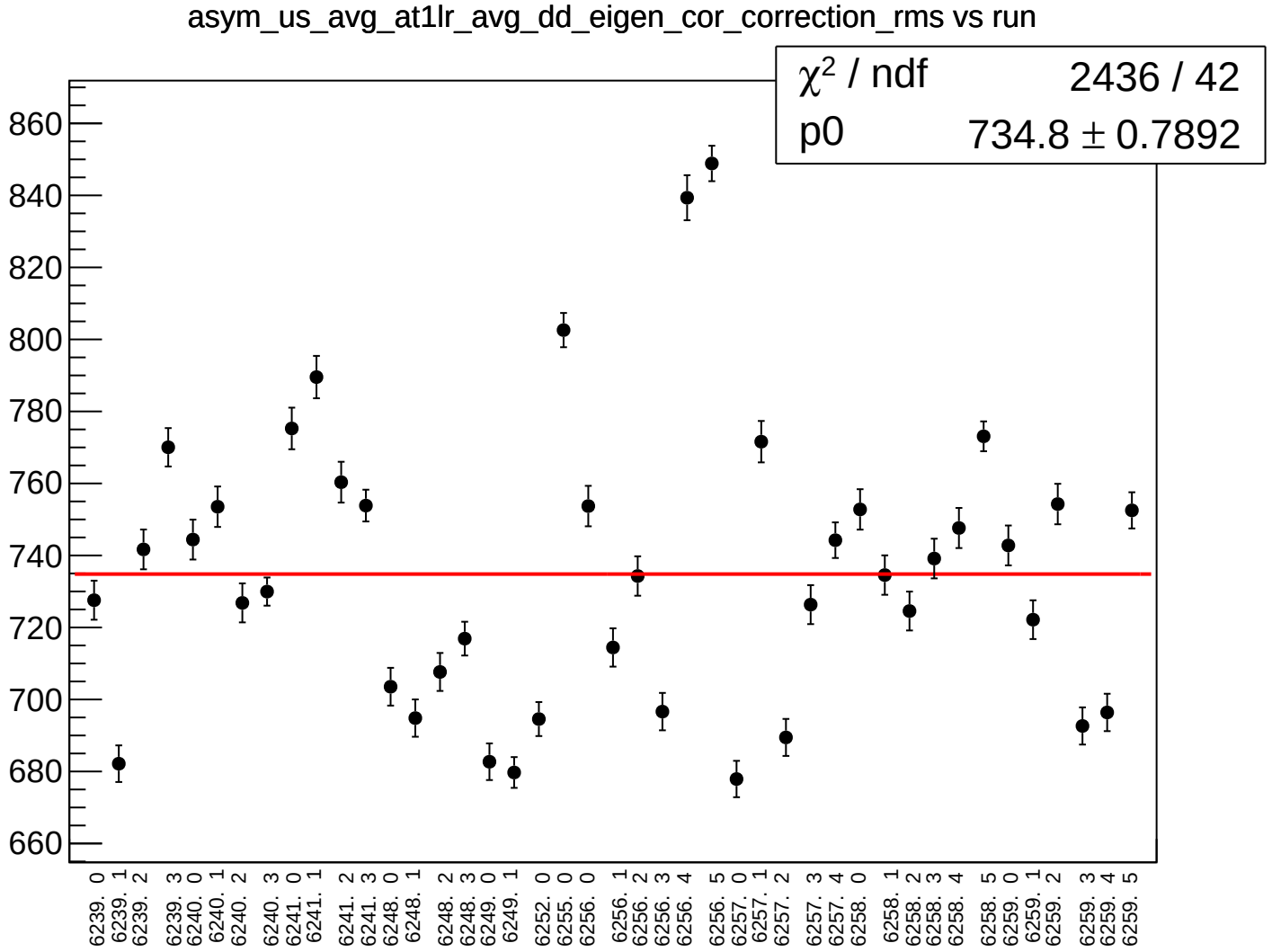

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.74 / 42
p0 1215 ± 2628
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01977
Std Dev 0.8724
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

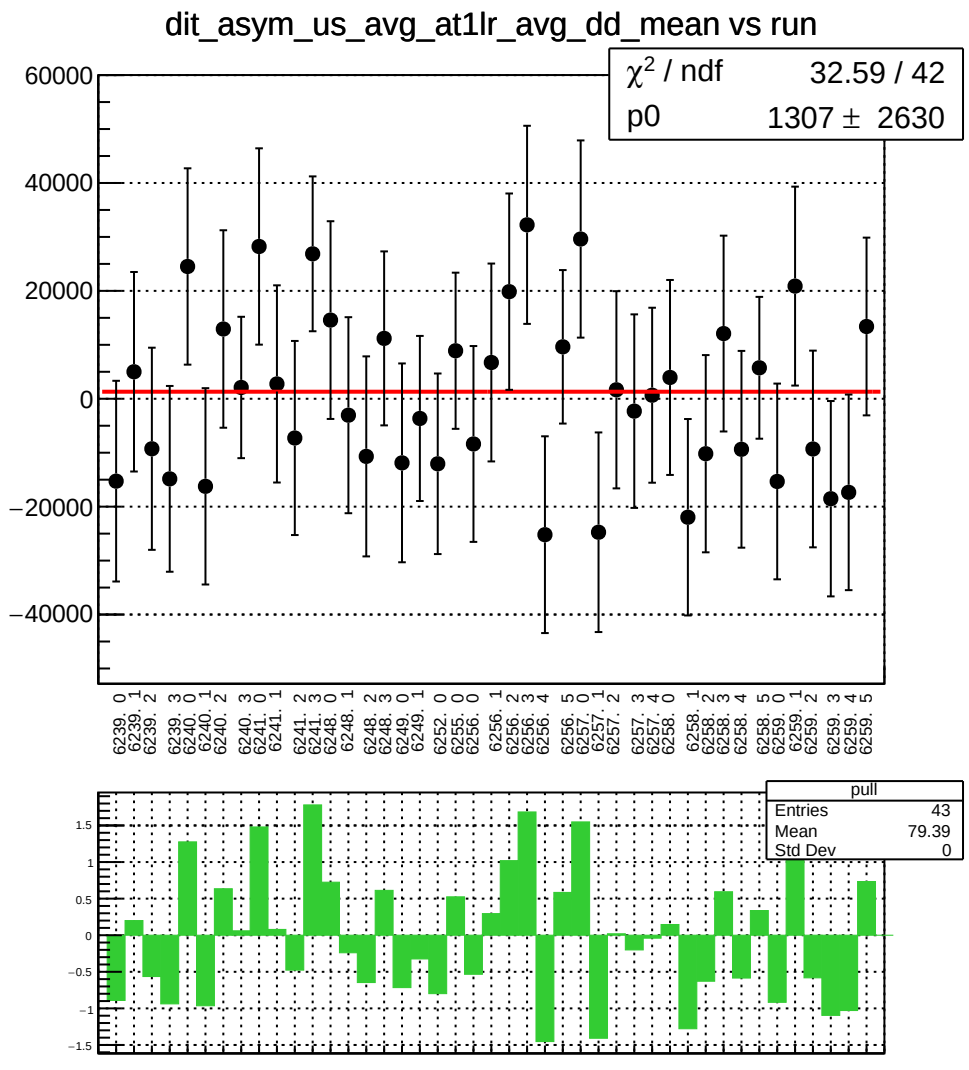

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 59.79 / 42
p0 1733 ± 1.858
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

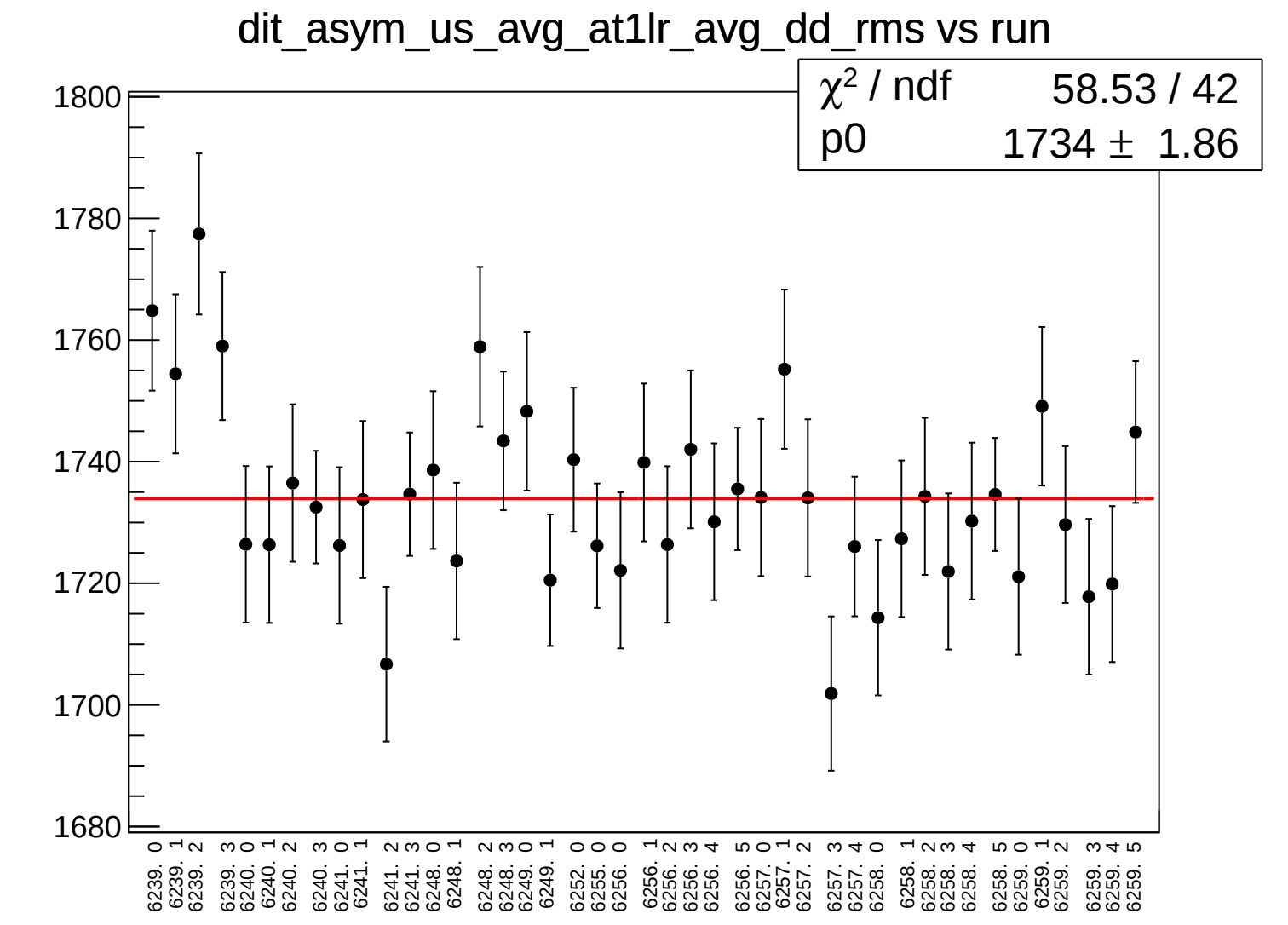
asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run

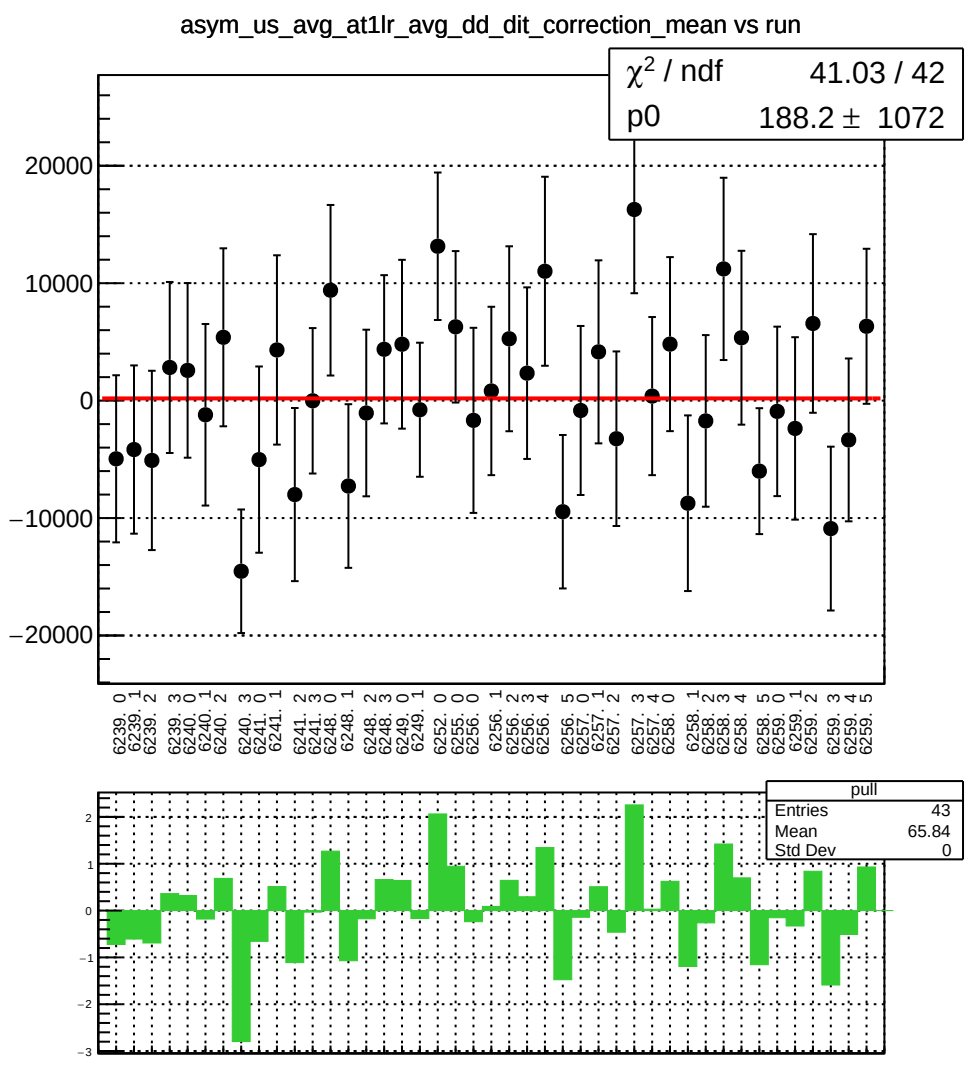


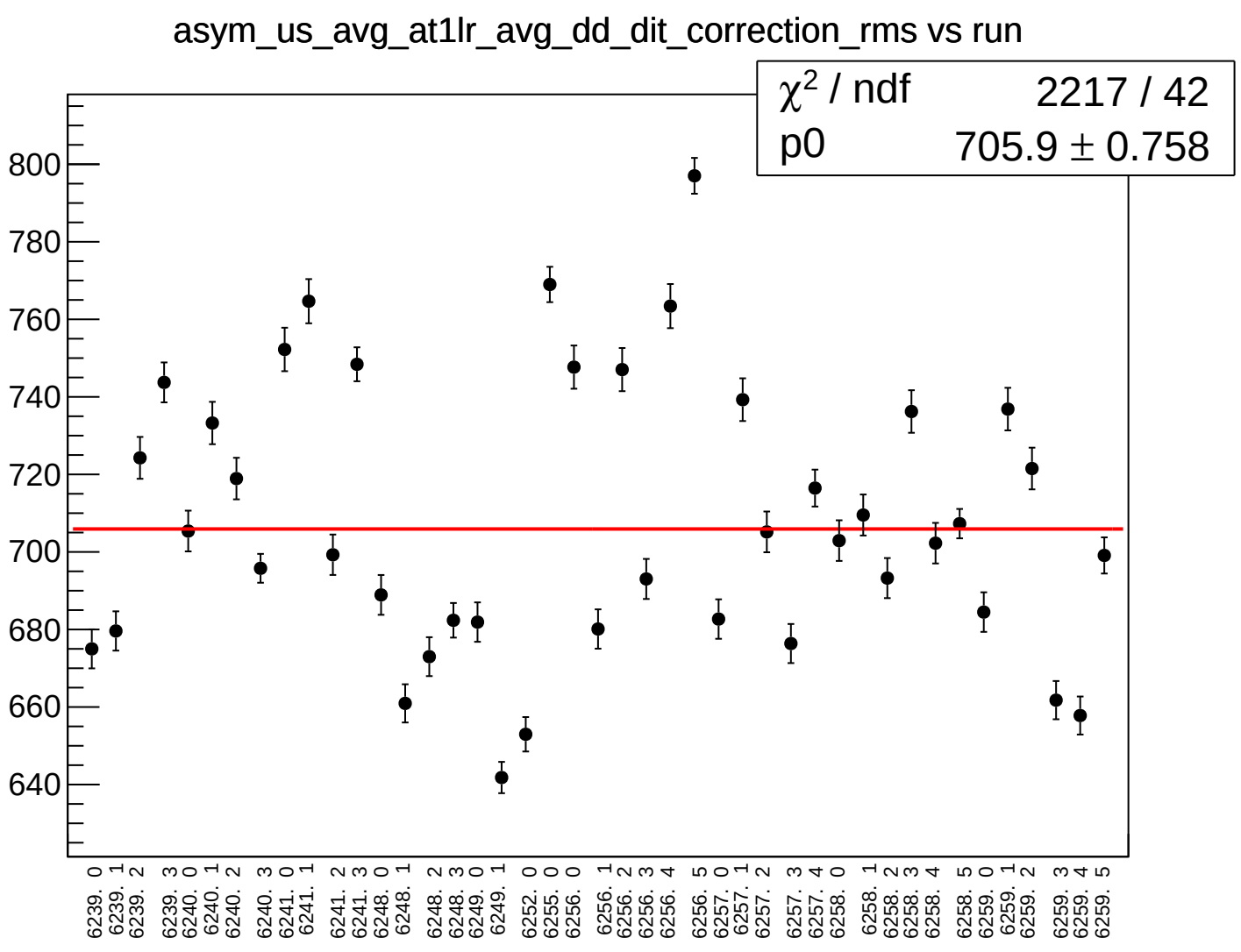



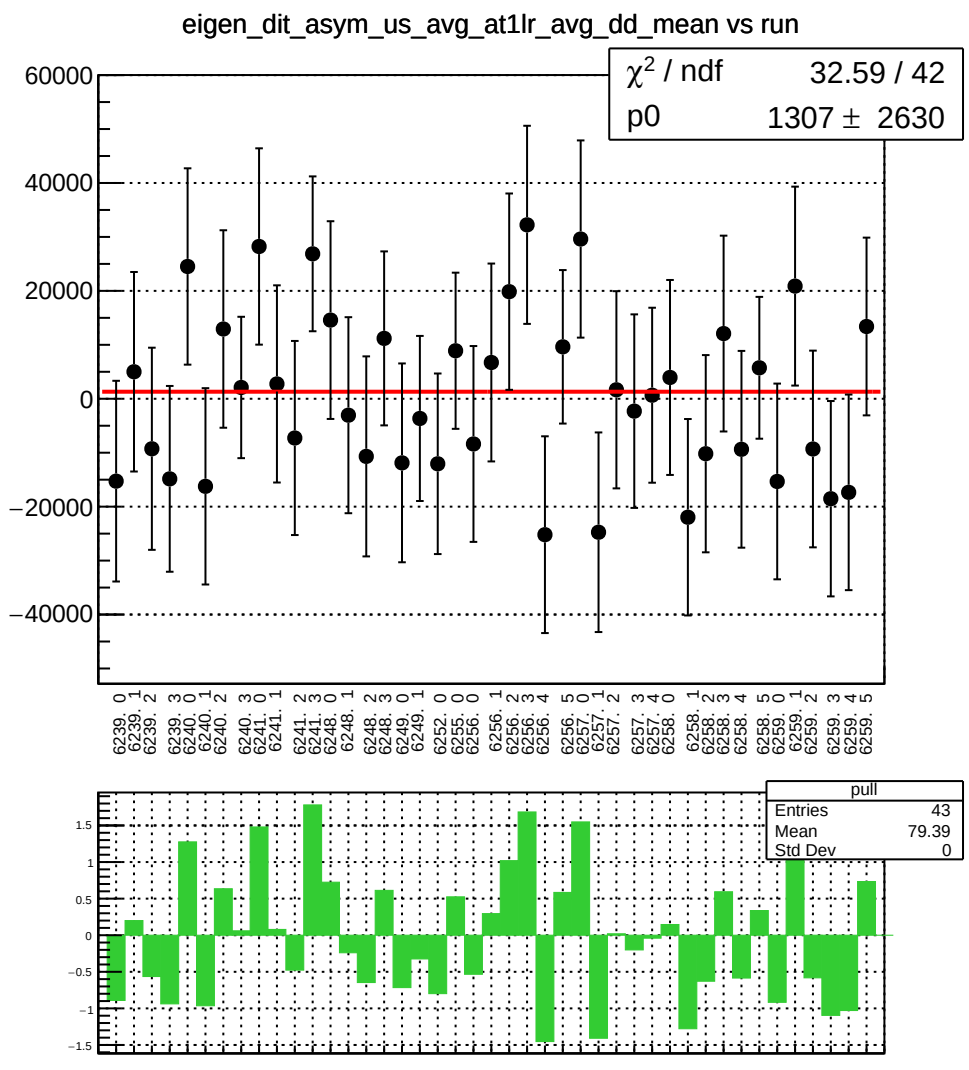

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2436 / 42
p0 734.8 ± 0.7892
860
840
820
800
780
760
740
720
700
680
660
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

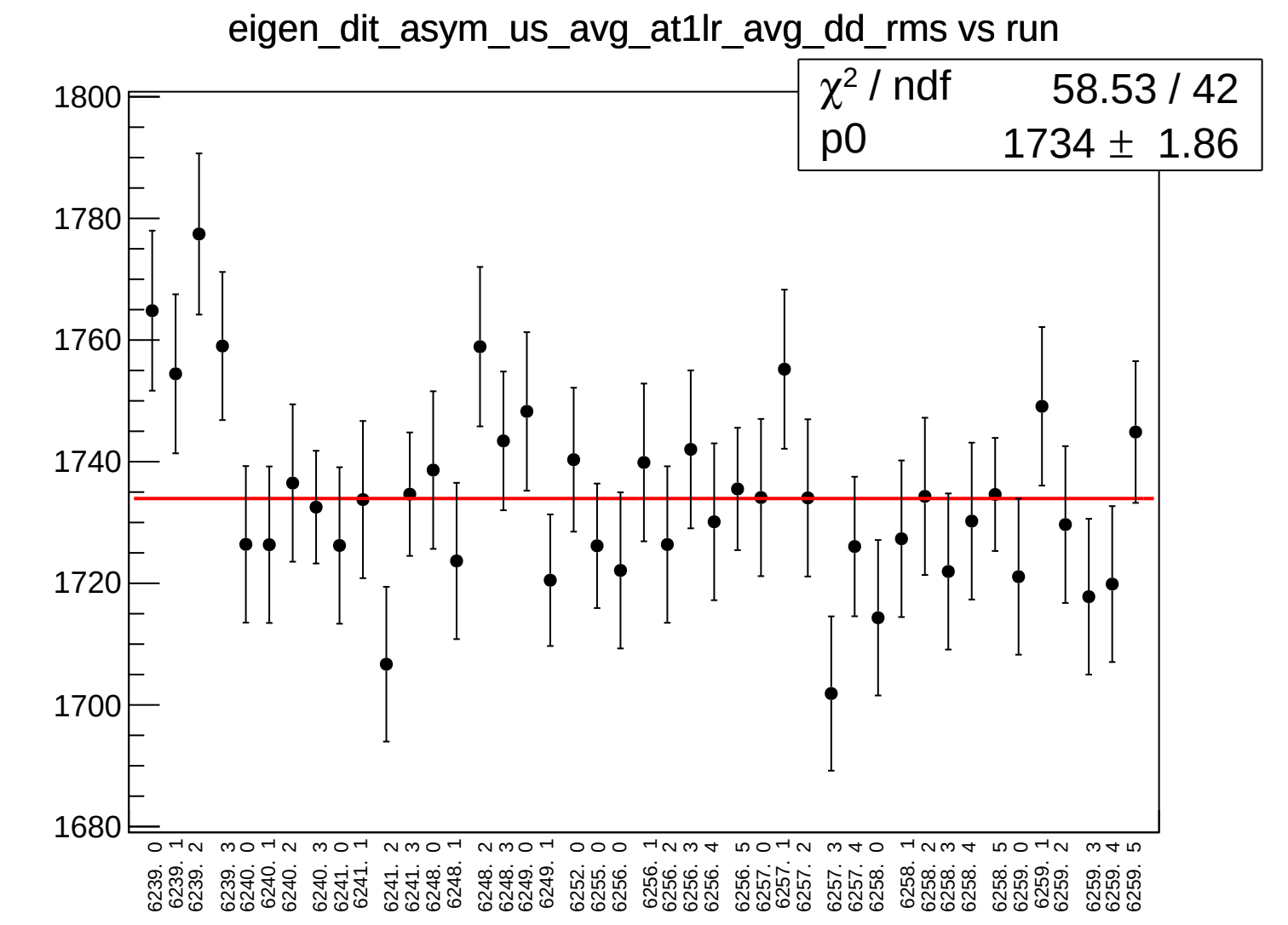

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.59 / 42
p0 1307 ± 2630
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02123
Std Dev 0.8703
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

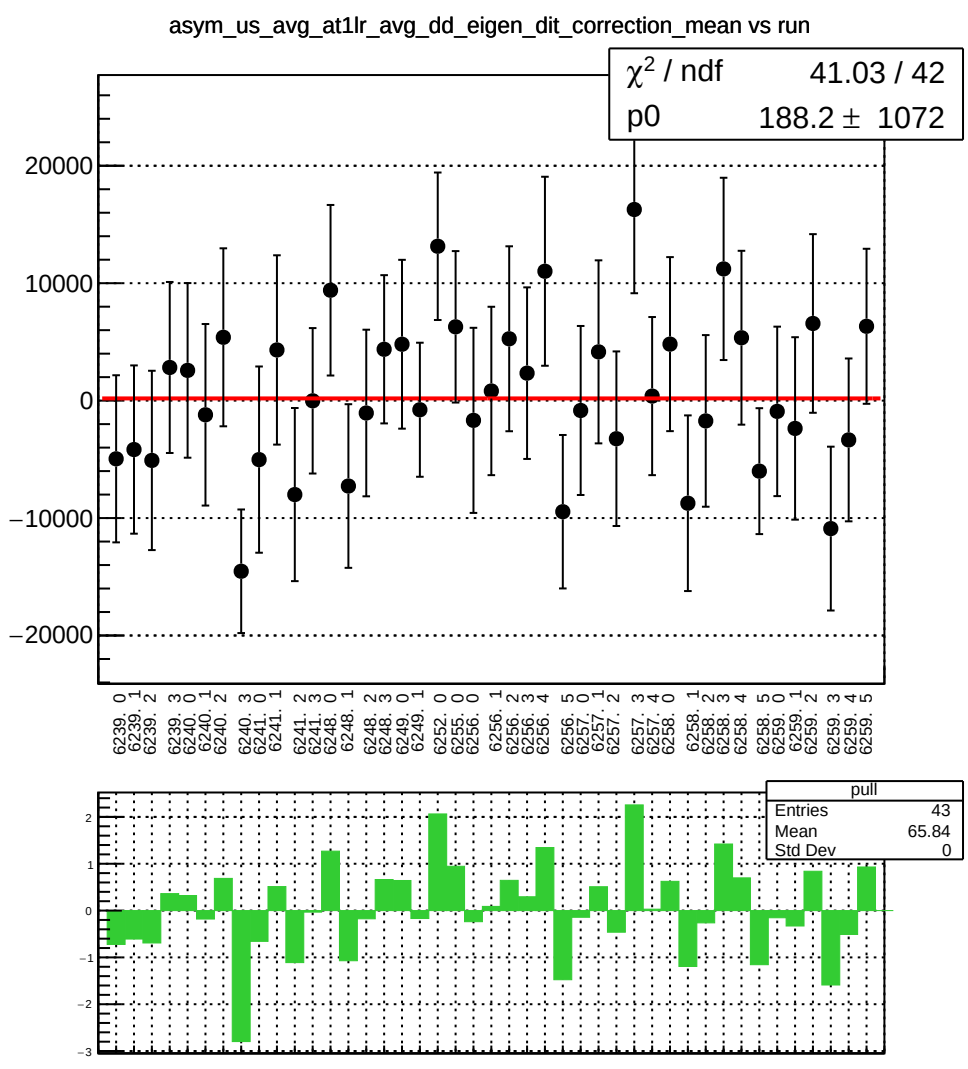

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 58.53 / 42
p0 1734 ± 1.86
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

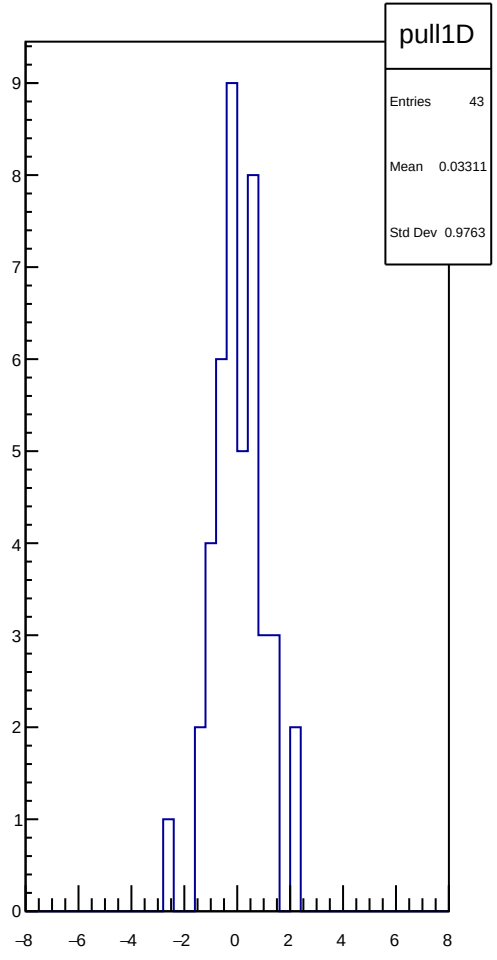

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 41.03 / 42
p0 188.2 ± 1072
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.84
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03311
Std Dev 0.9763
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

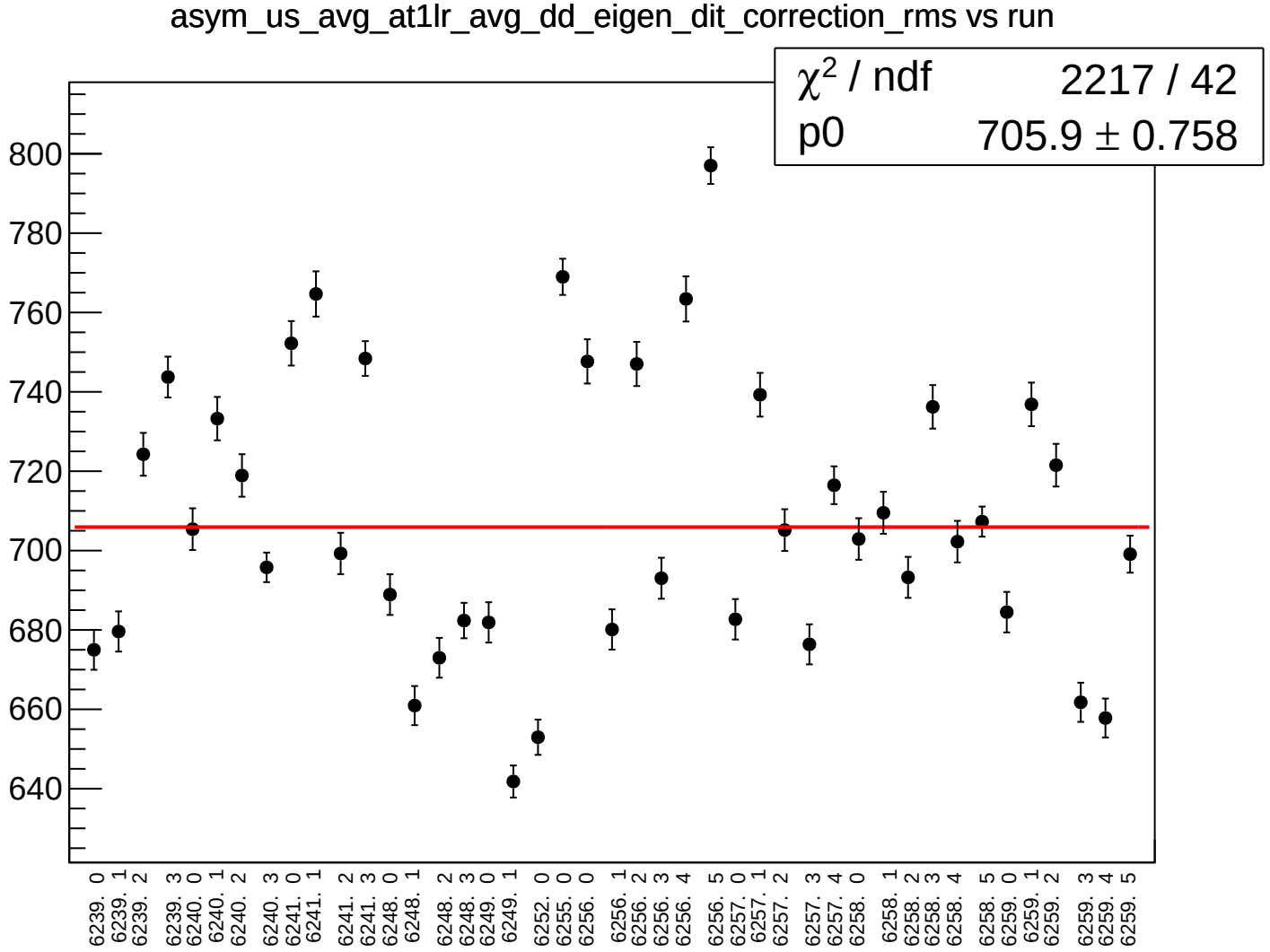

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2217 / 42
p0 705.9 ± 0.758
800
780
760
740
720
700
680
660
640
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

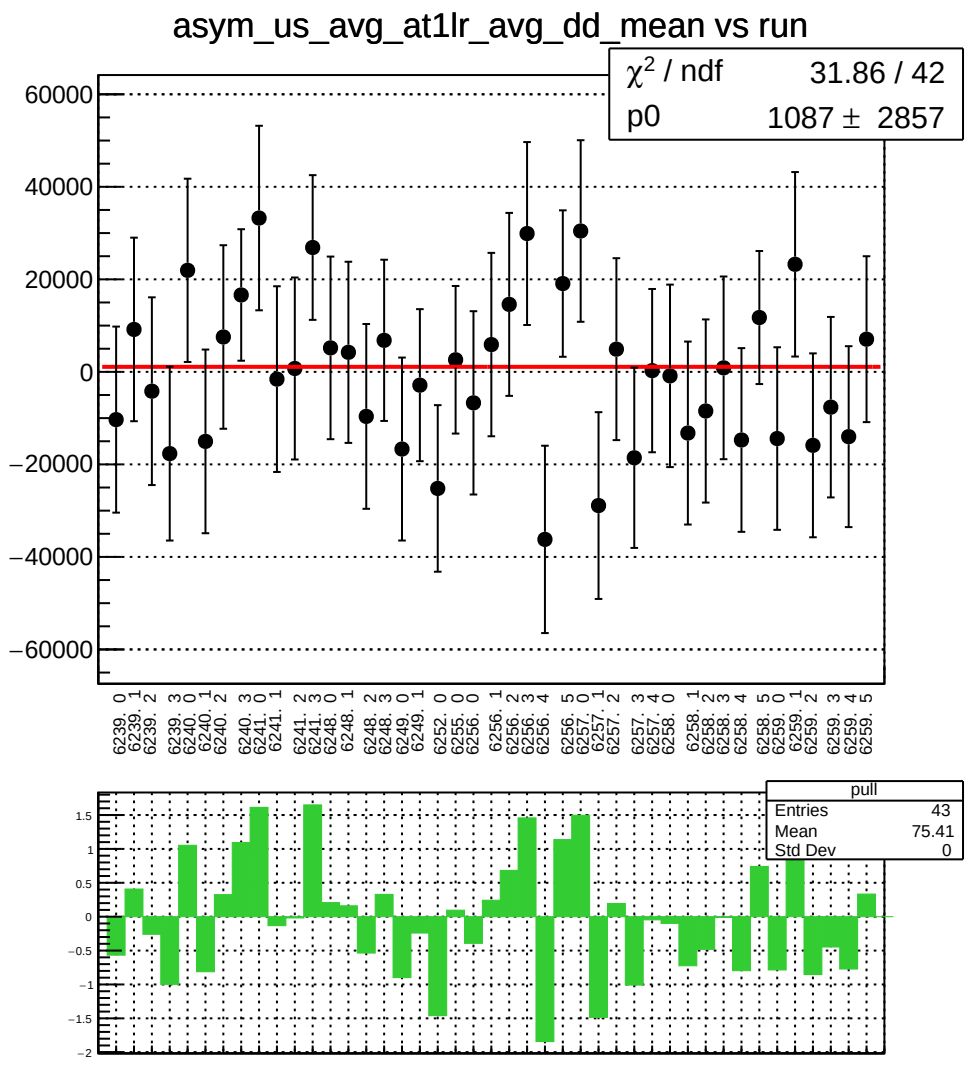

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.59 / 42
p0 1307 ± 2630
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02123
Std Dev 0.8703
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

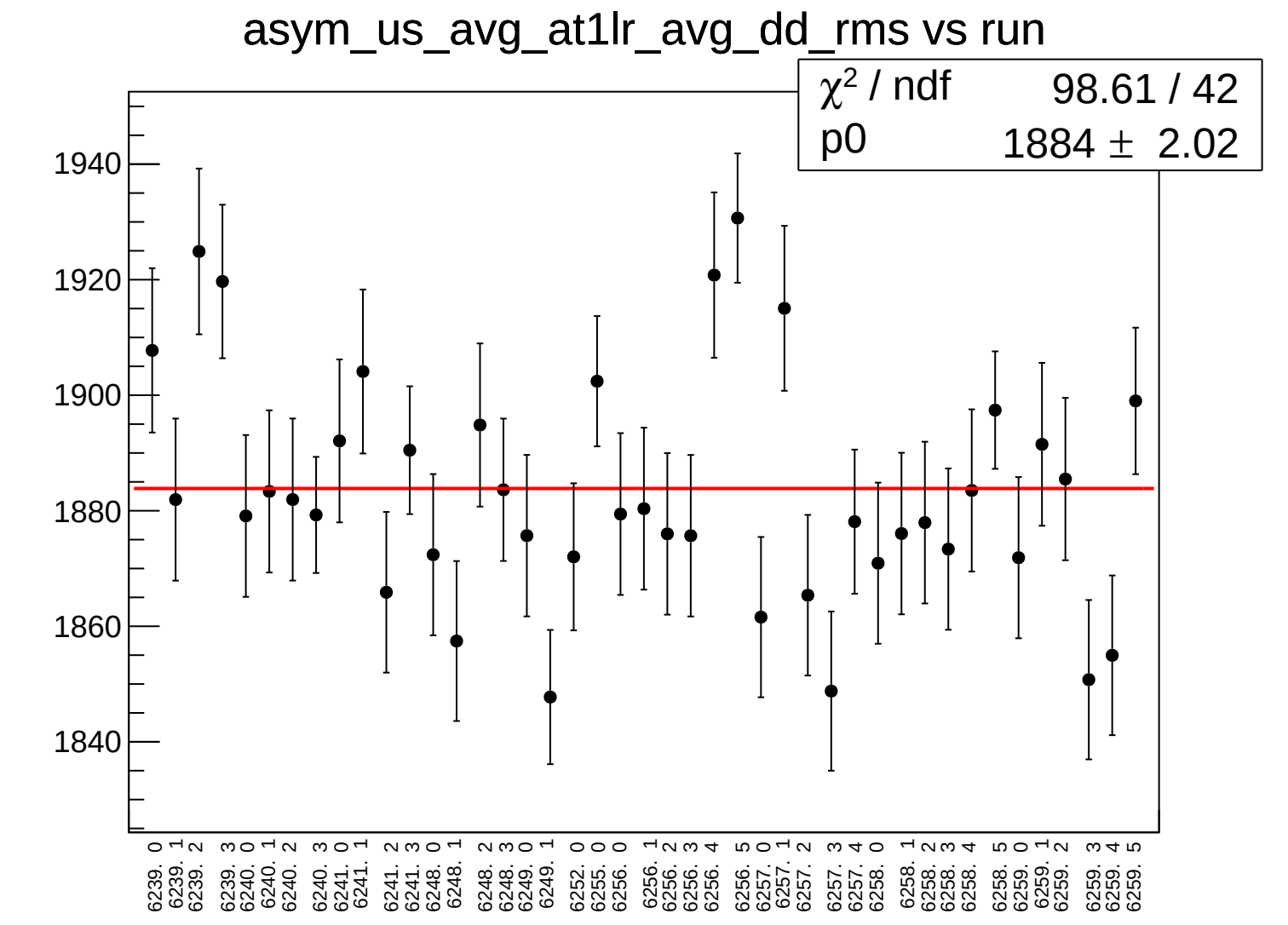

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 58.53 / 42
p0 1734 ± 1.86
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.03 / 42
p0 188.2 ± 1072
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.84
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03311
Std Dev 0.9763
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2217 / 42
p0 705.9 ± 0.758
800
780
760
740
720
700
680
660
640
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 31.86 / 42
p0 1087 ± 2857
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.03117
Std Dev 0.8602
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 98.61 / 42
p0 1884 ± 2.02
1940
1920
1900
1880
1860
1840
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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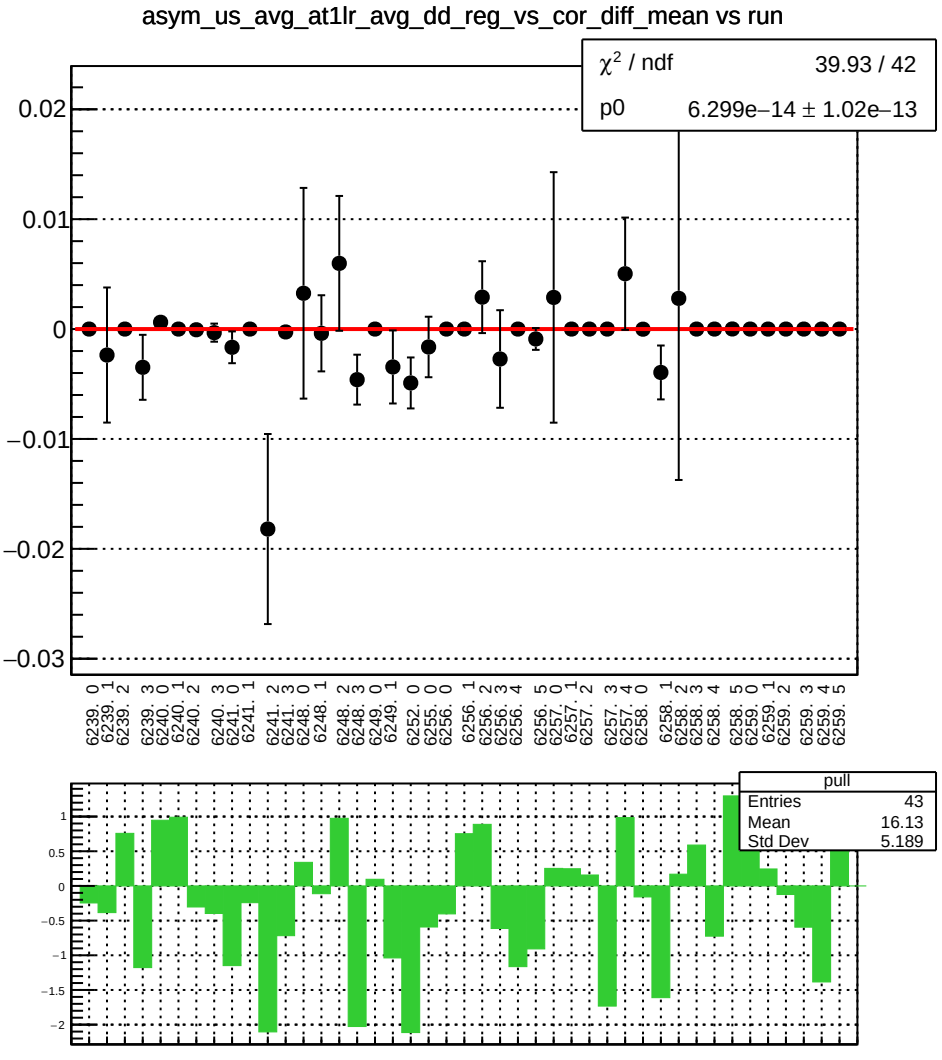
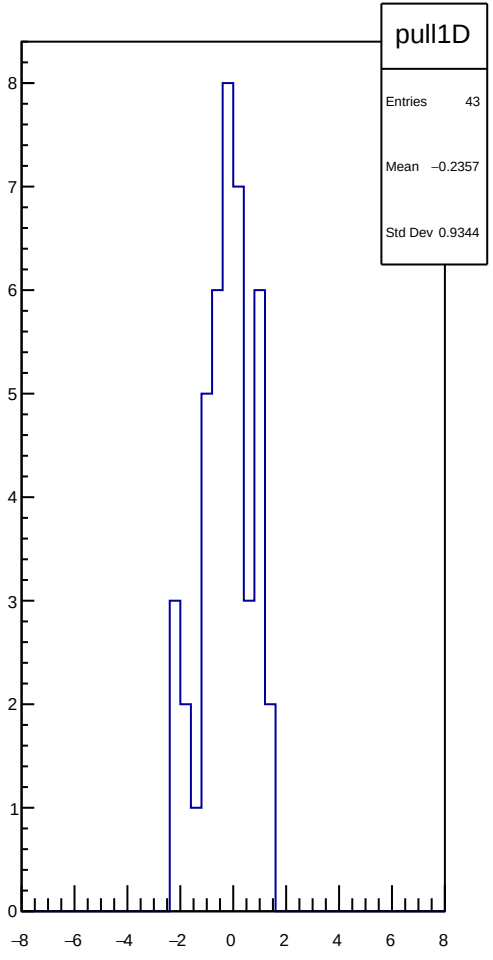
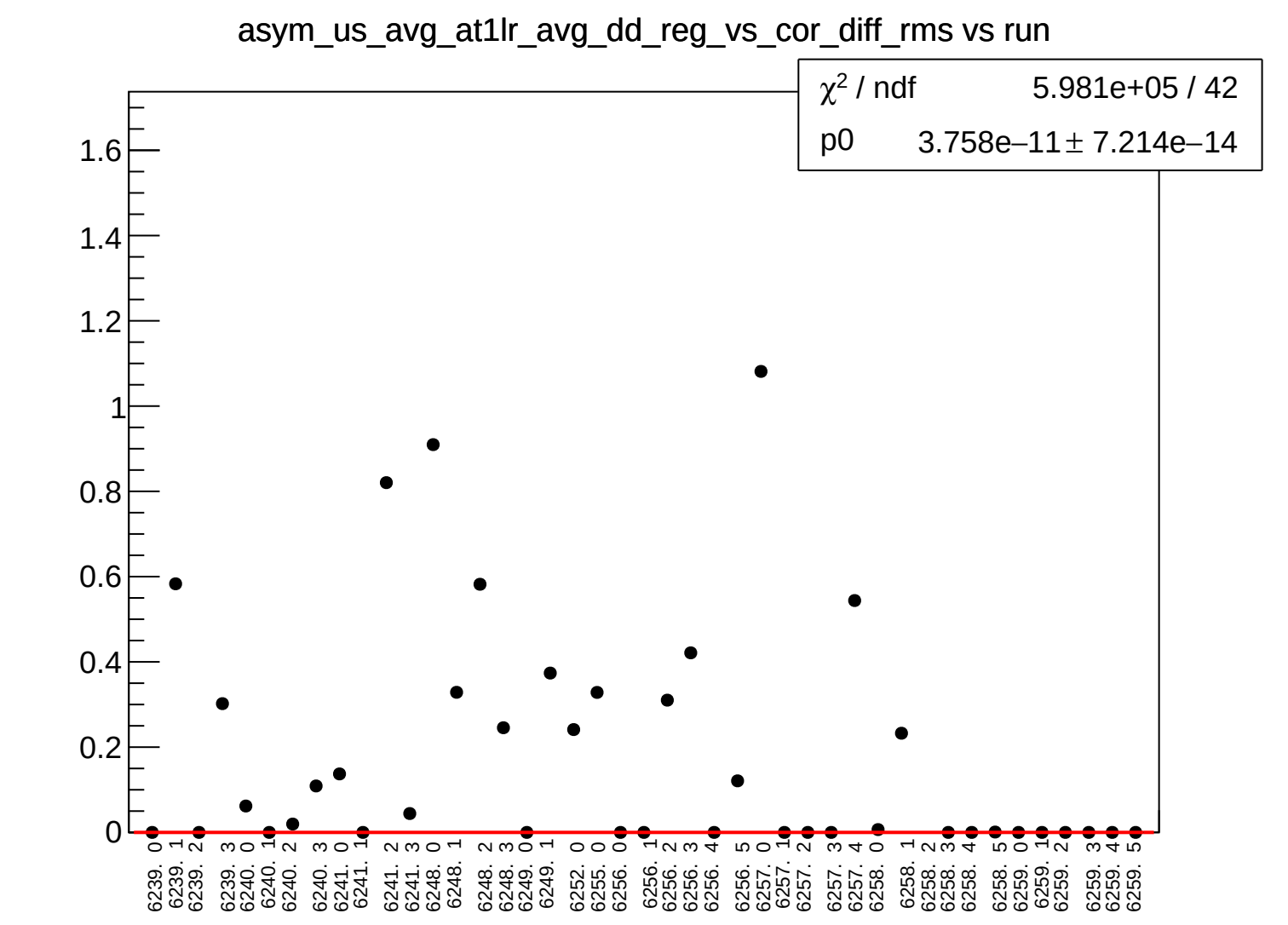
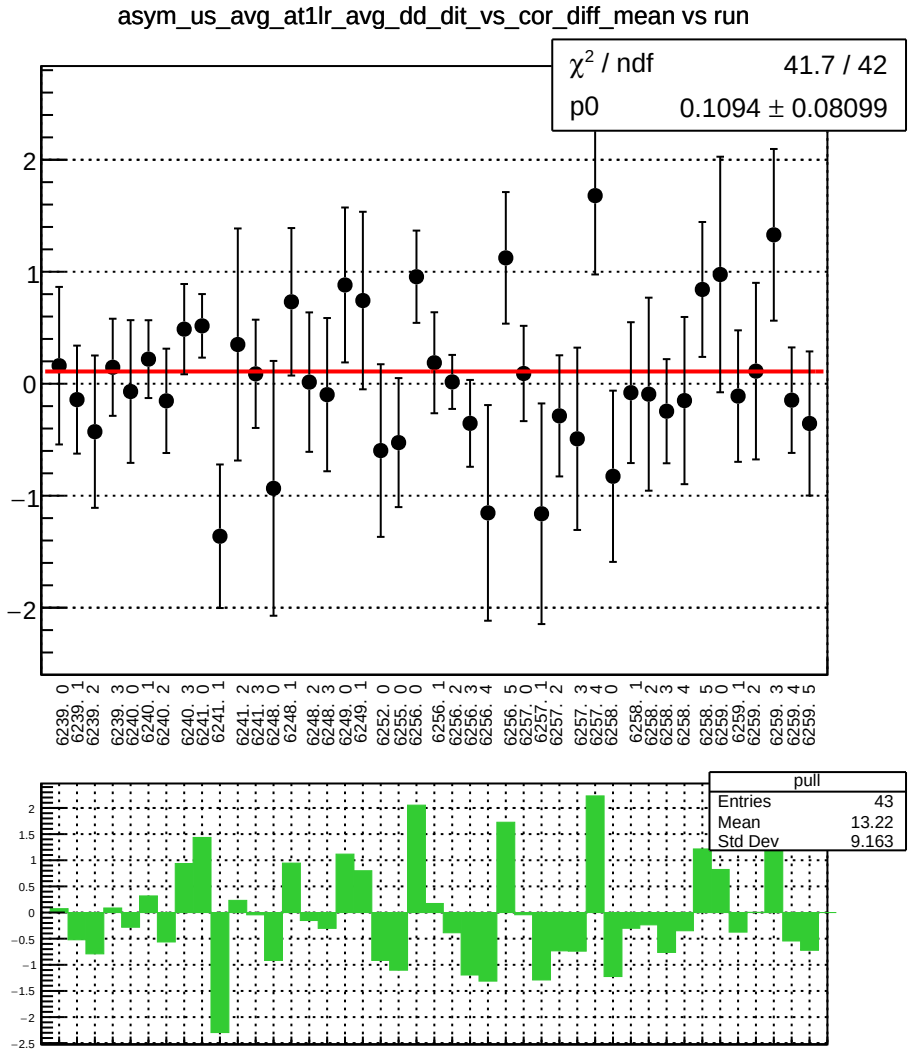
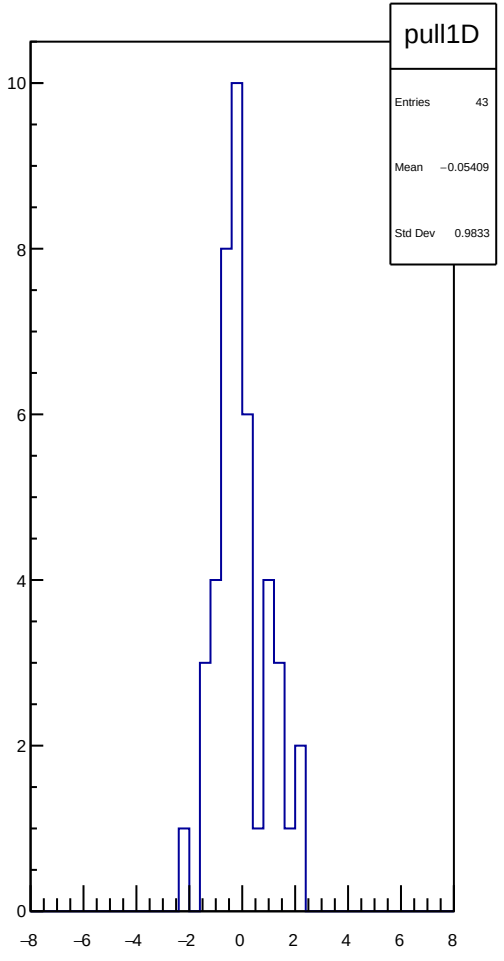
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

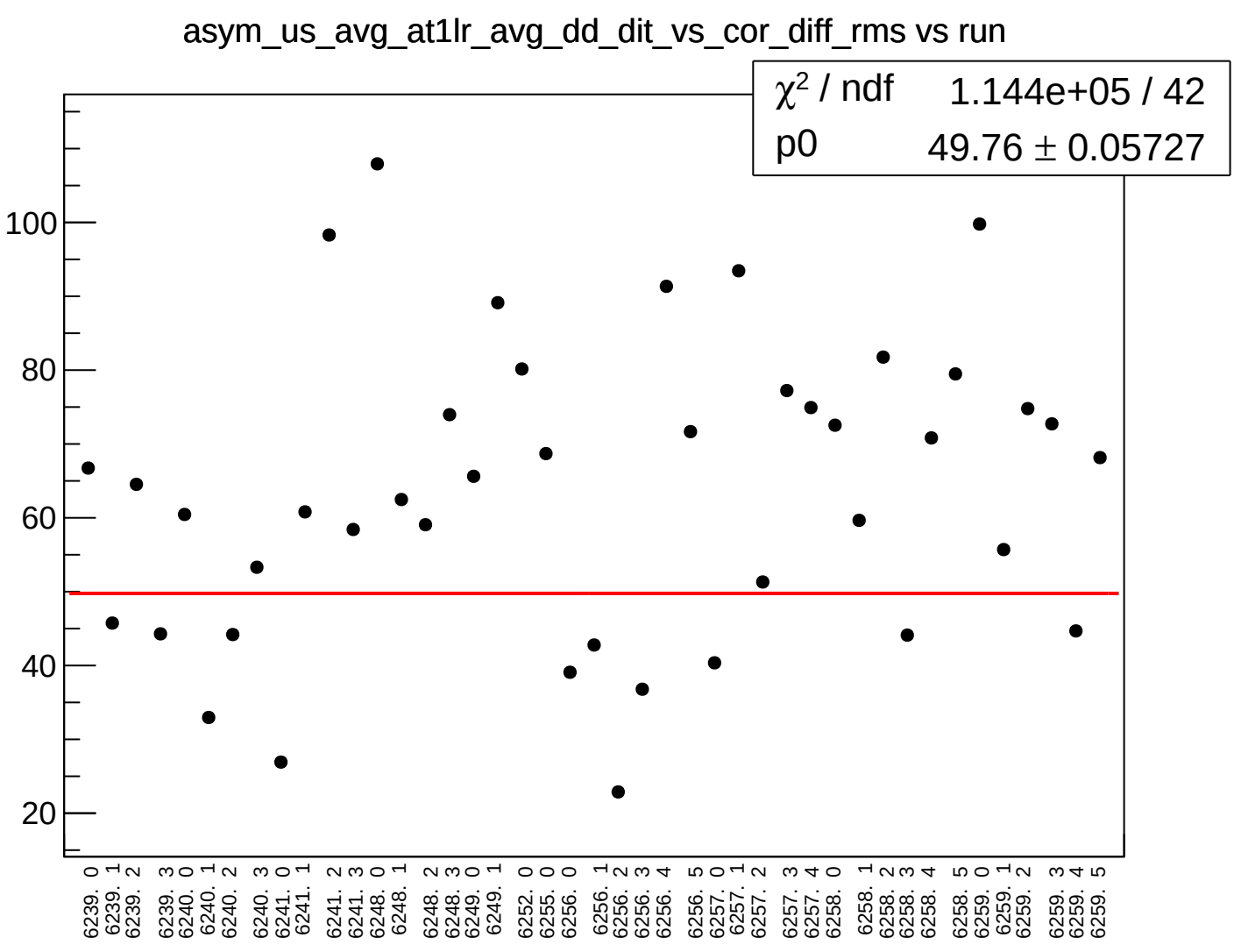

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.93 / 42
p0 6.299e−14 ± 1.02e−13
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.13
Std Dev 5.189
1
0.5
0
−0.5
−1
−1.5
−2

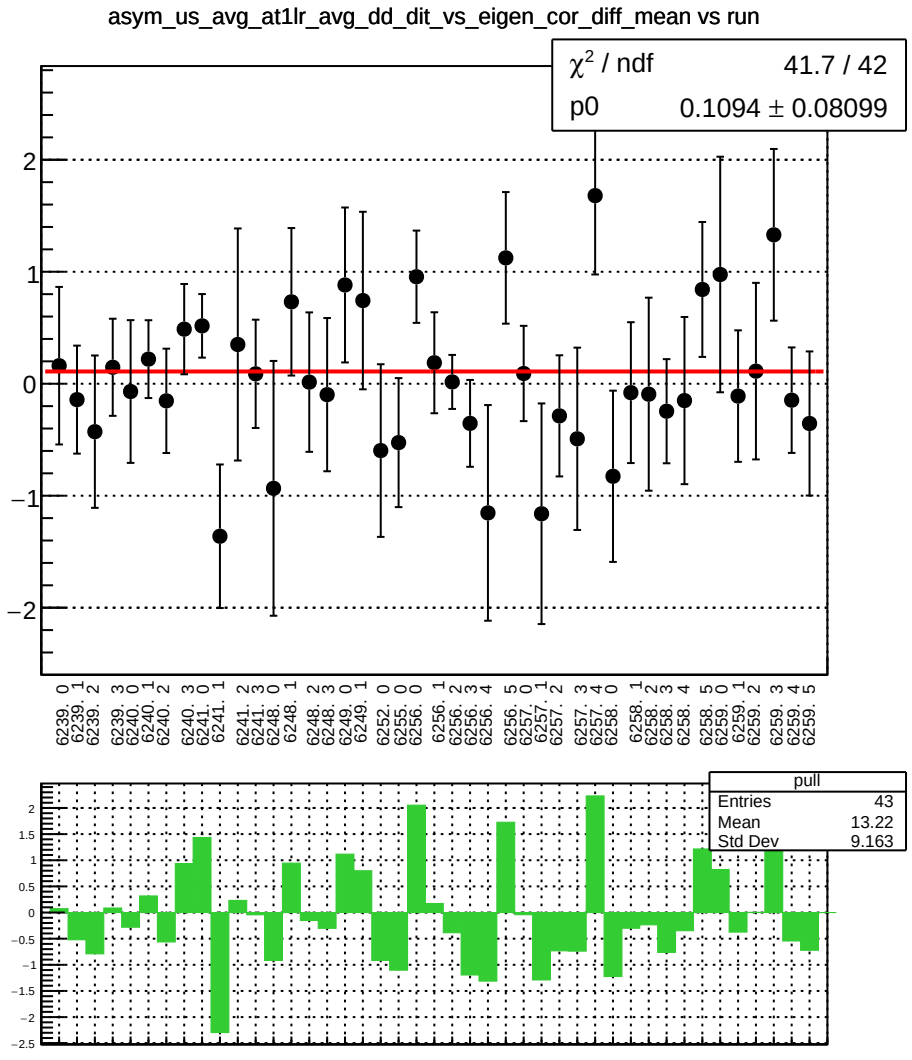

pull1D
Entries 43
Mean −0.2357
Std Dev 0.9344
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

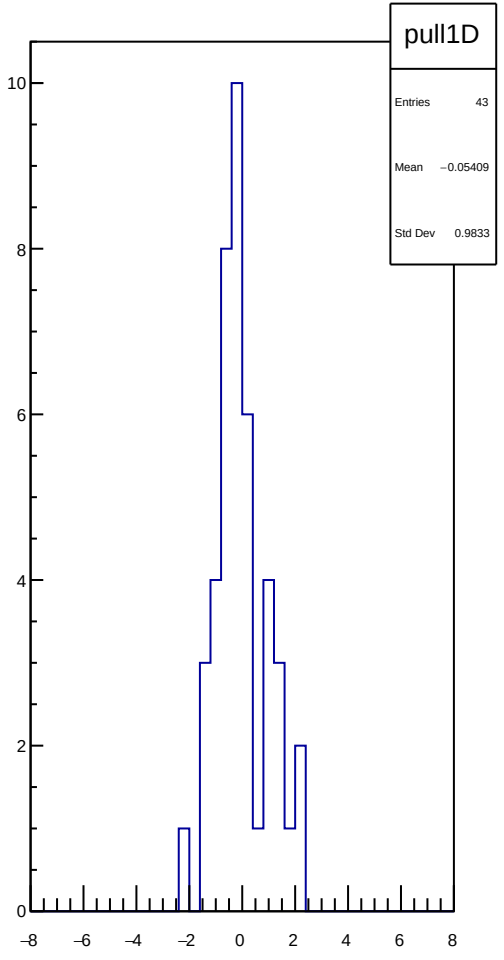

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.981e+05 / 42
p0 3.758e−11 ± 7.214e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

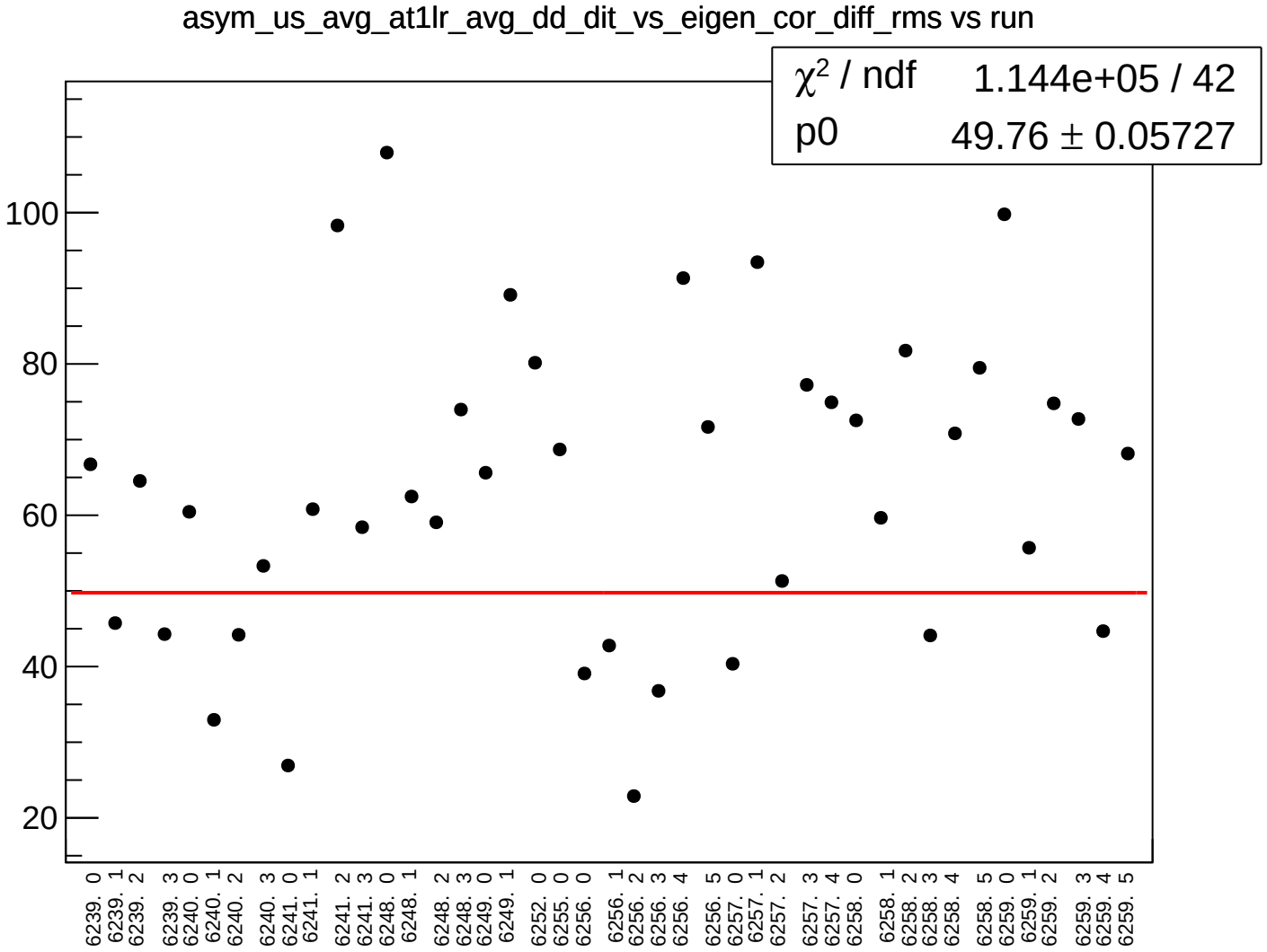

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.7 / 42
p0 0.1094 ± 0.08099
pull
Entries 43
Mean 13.22
Std Dev 9.163

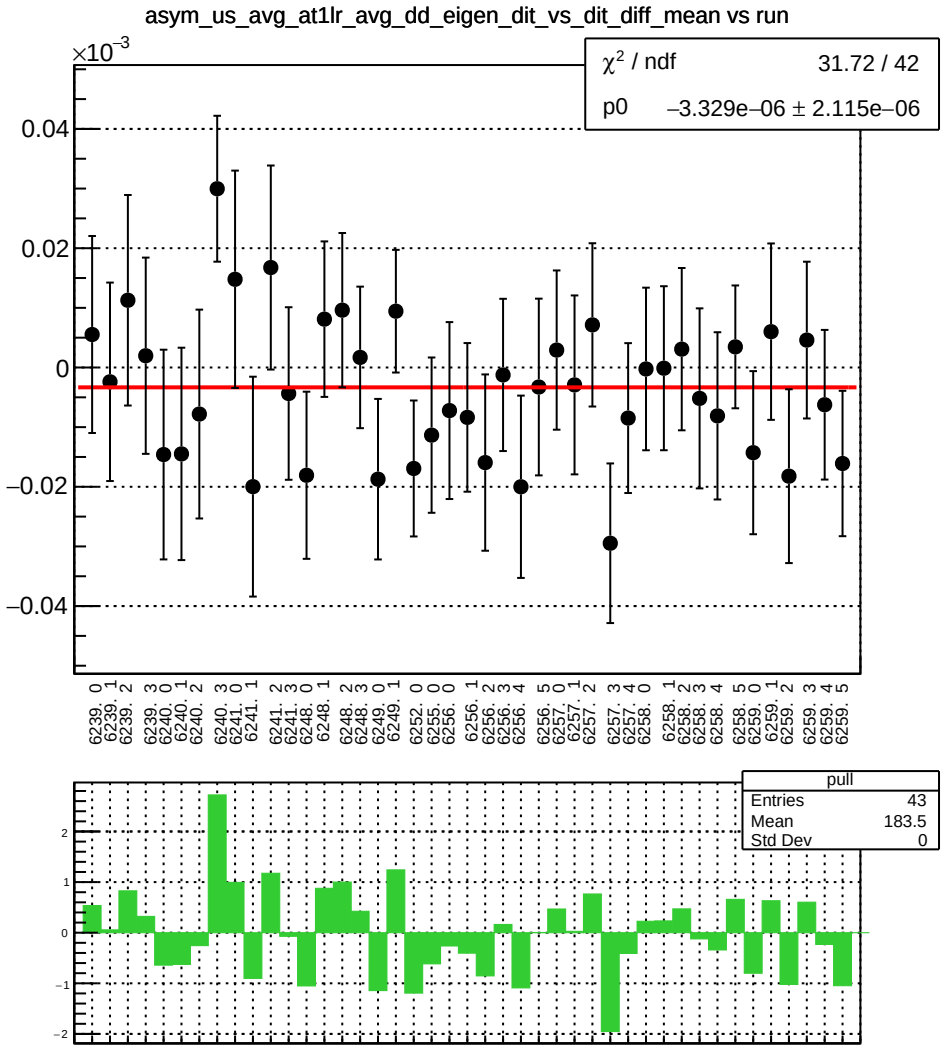

pull1D
Entries 43
Mean −0.05409
Std Dev 0.9833

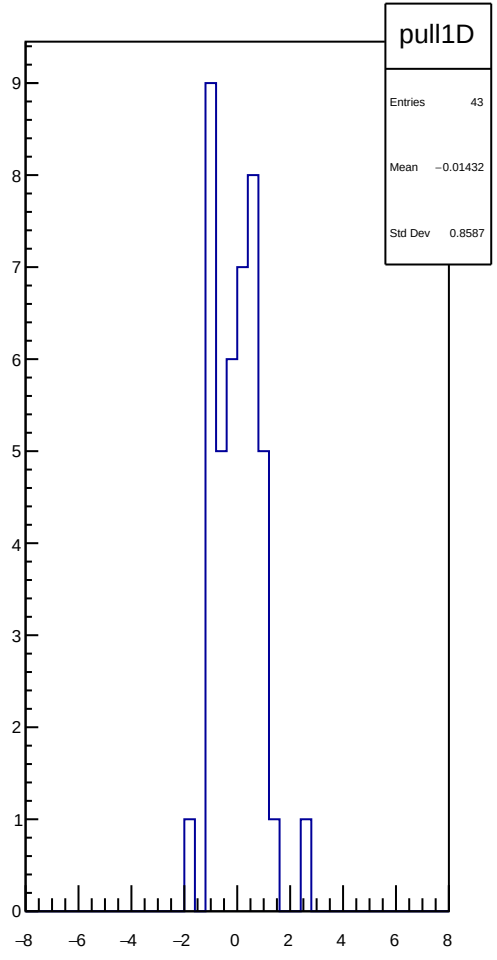

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.144e+05 / 42
p0 49.76 ± 0.05727
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

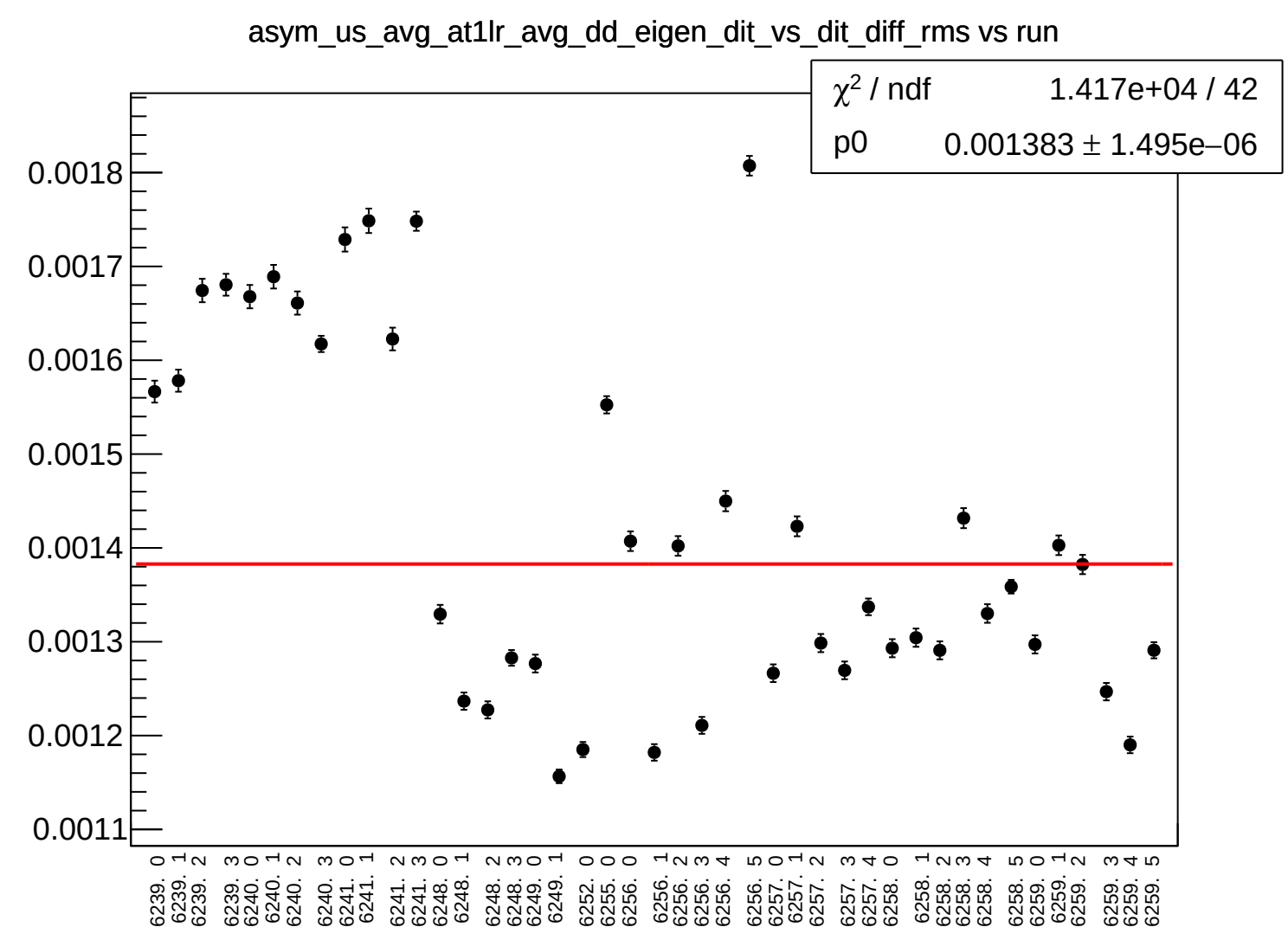

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.7 / 42
p0 0.1094 ± 0.08099
pull
Entries 43
Mean 13.22
Std Dev 9.163

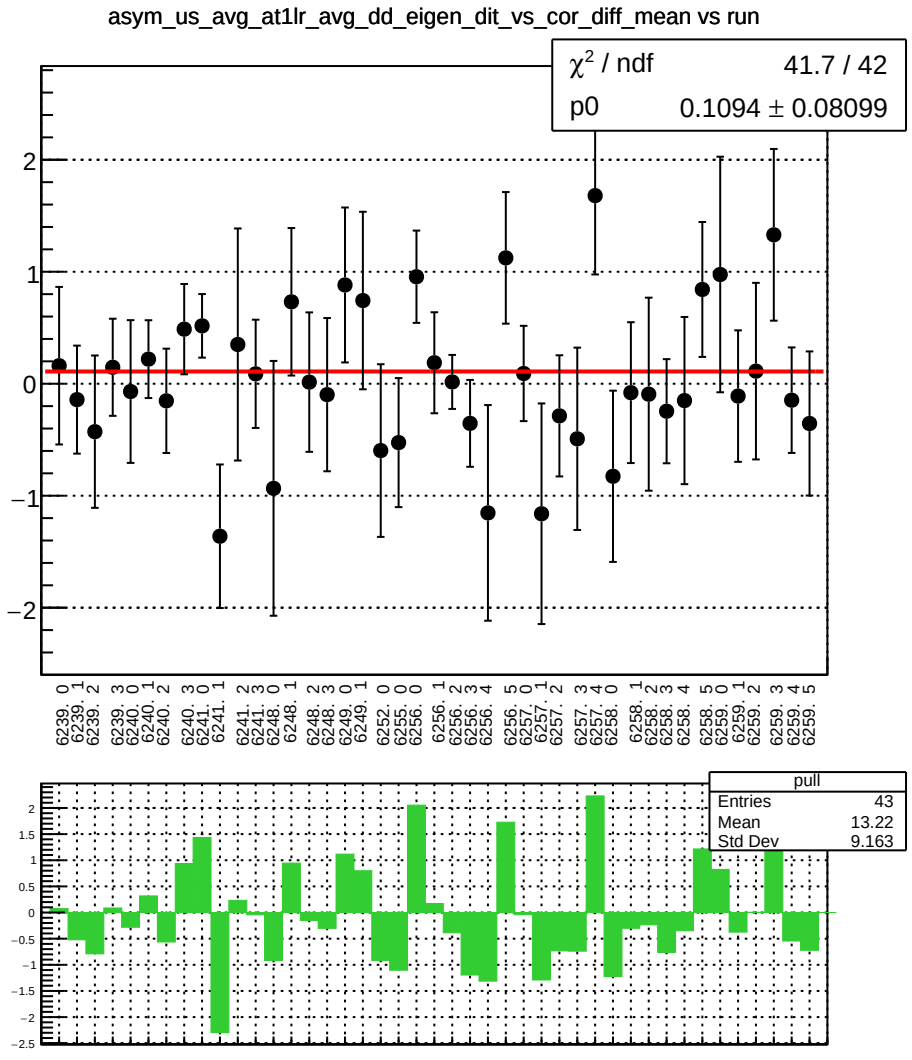

pull1D
Entries 43
Mean −0.05409
Std Dev 0.9833

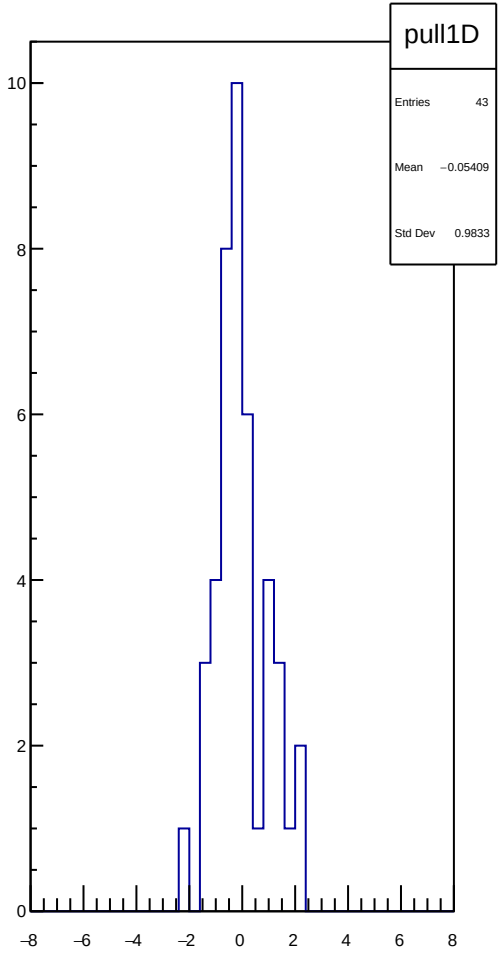

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.144e+05 / 42
p0 49.76 ± 0.05727
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

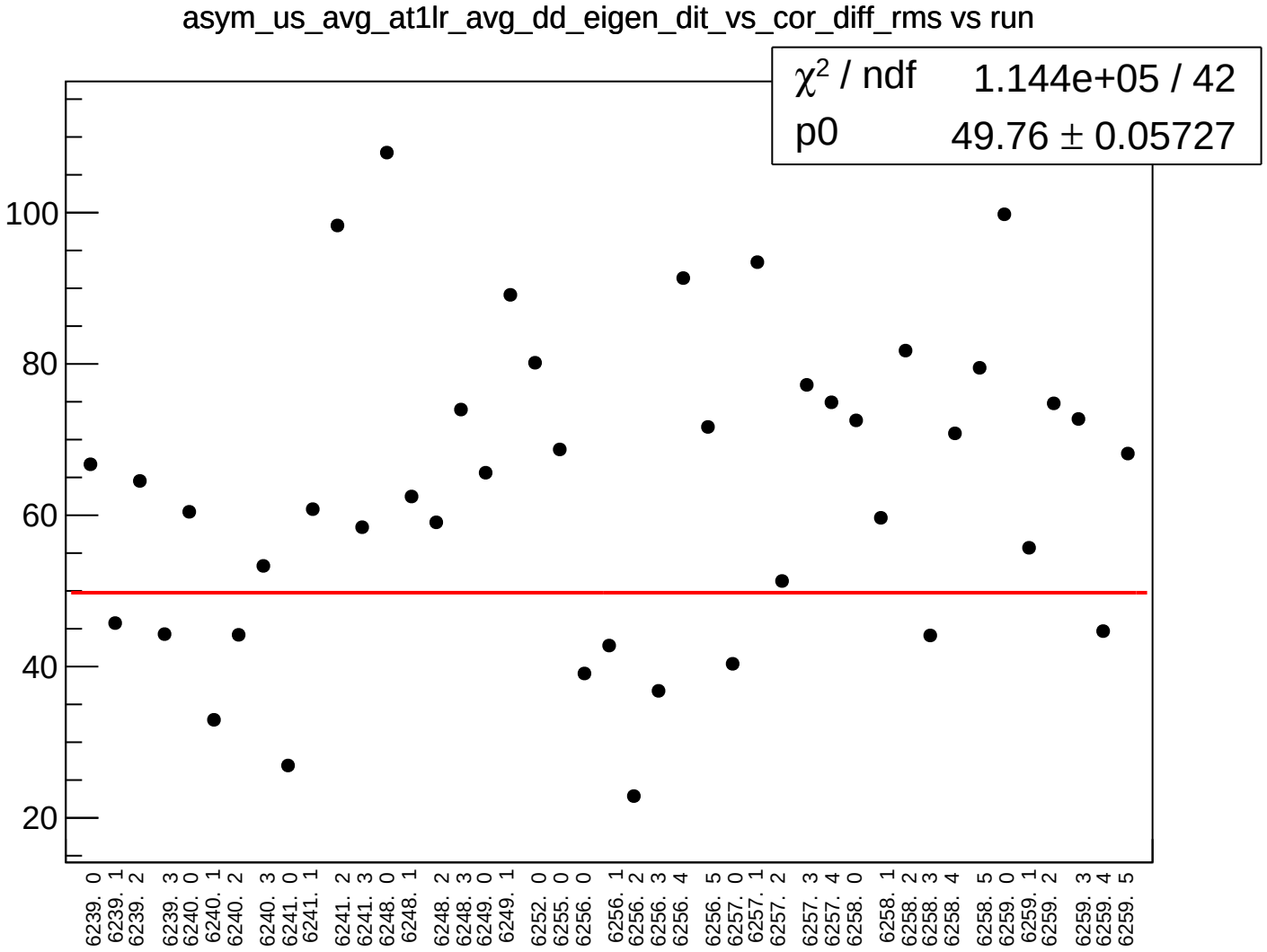

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.72 / 42
p0 −3.329e−06 ± 2.115e−06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 183.5
Std Dev 0
2
1
0
−1
−2

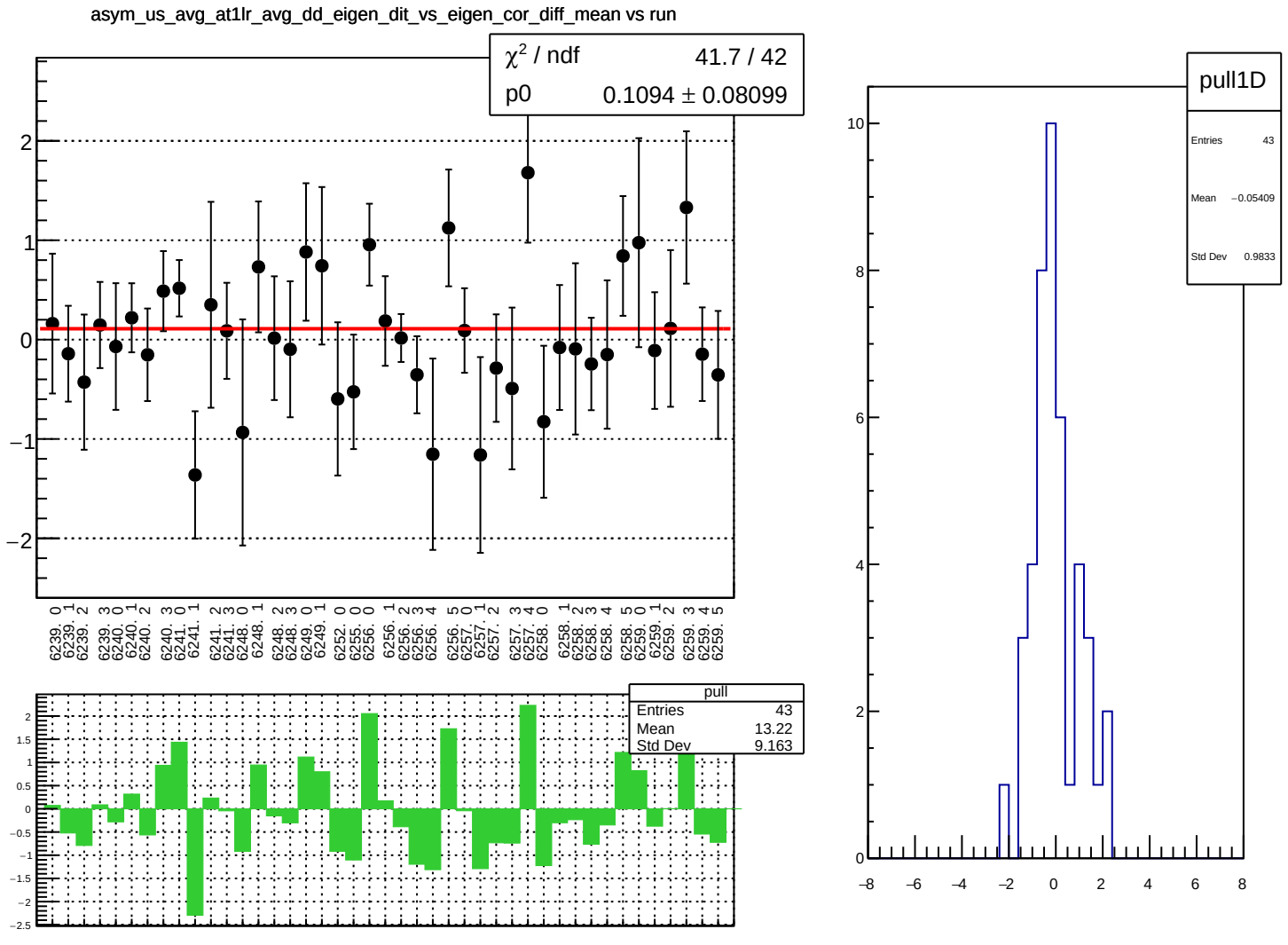

pull1D
Entries 43
Mean −0.01432
Std Dev 0.8587
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

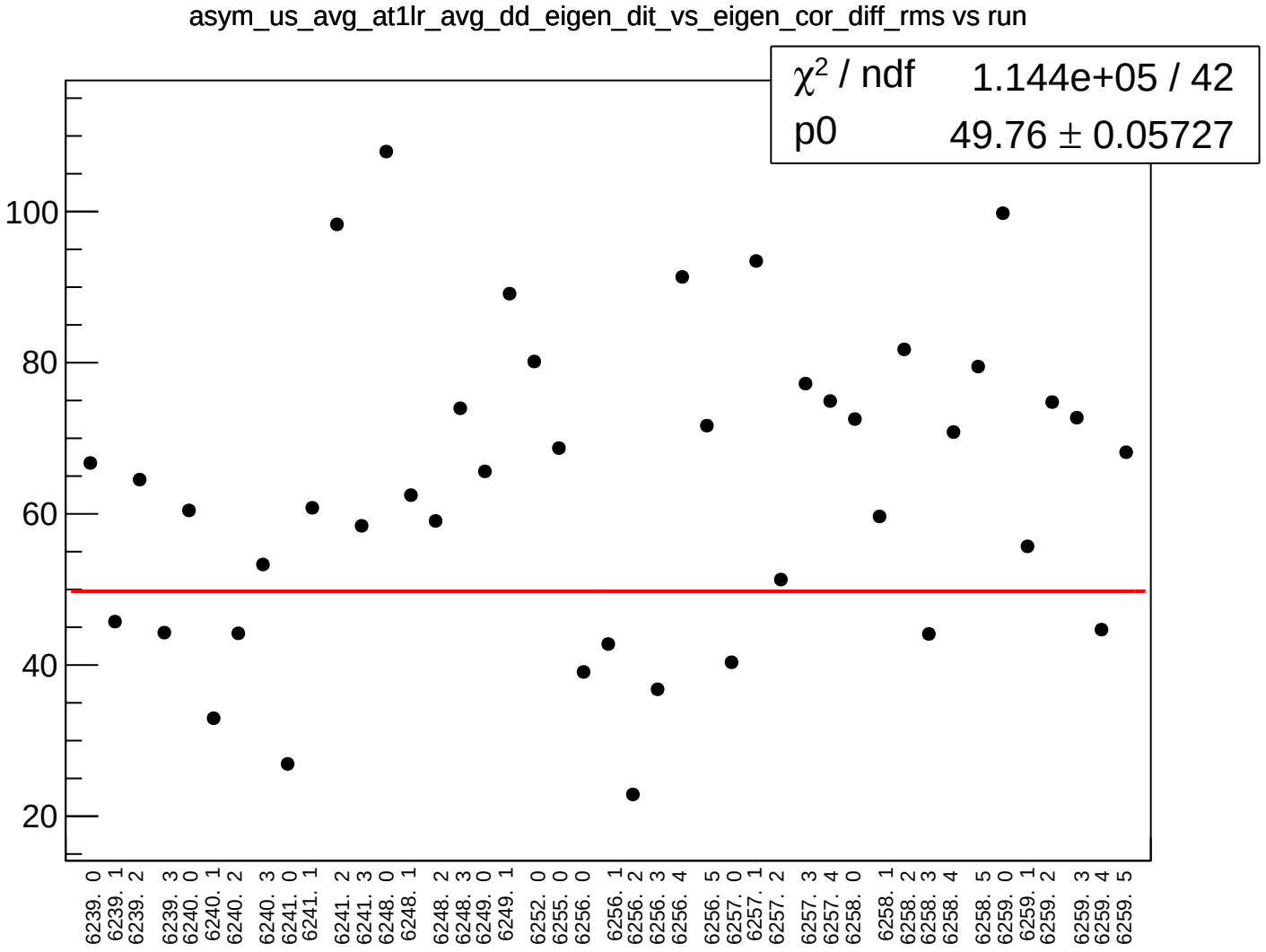

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.417e+04 / 42
p0 0.001383 ± 1.495e−06
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

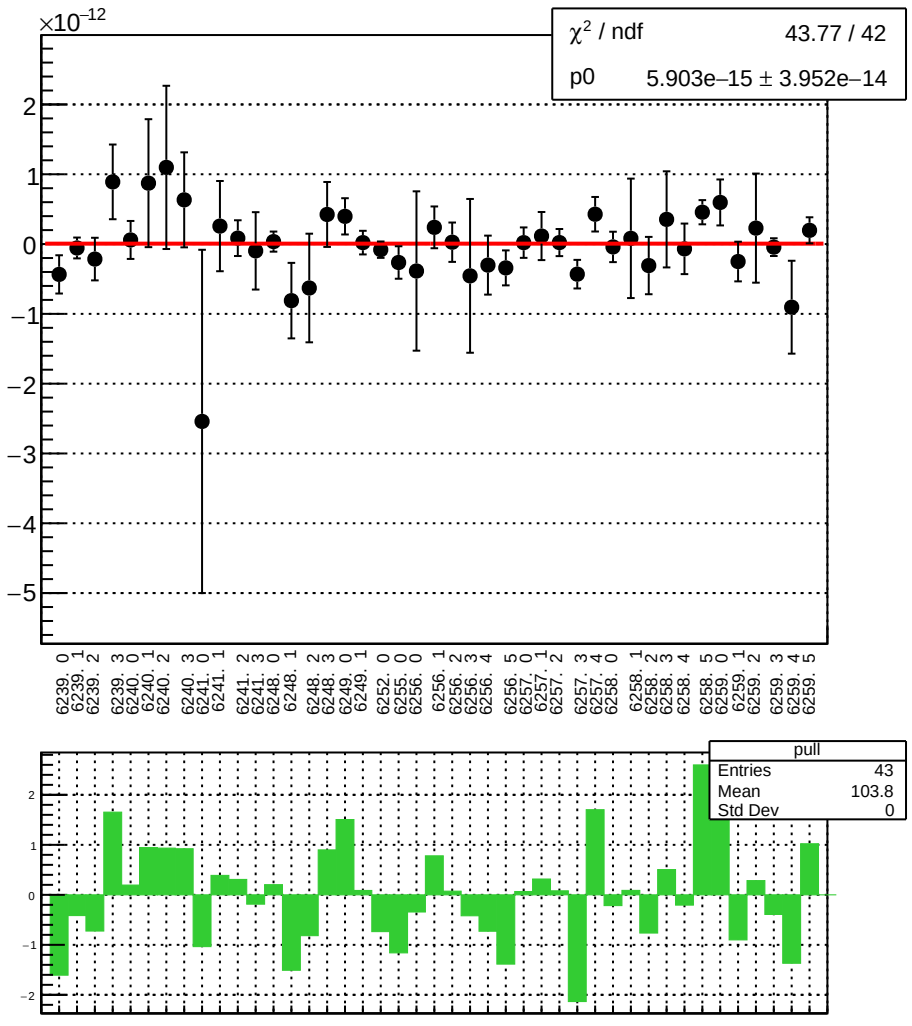

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.7 / 42
p0 0.1094 ± 0.08099
pull
Entries 43
Mean 13.22
Std Dev 9.163

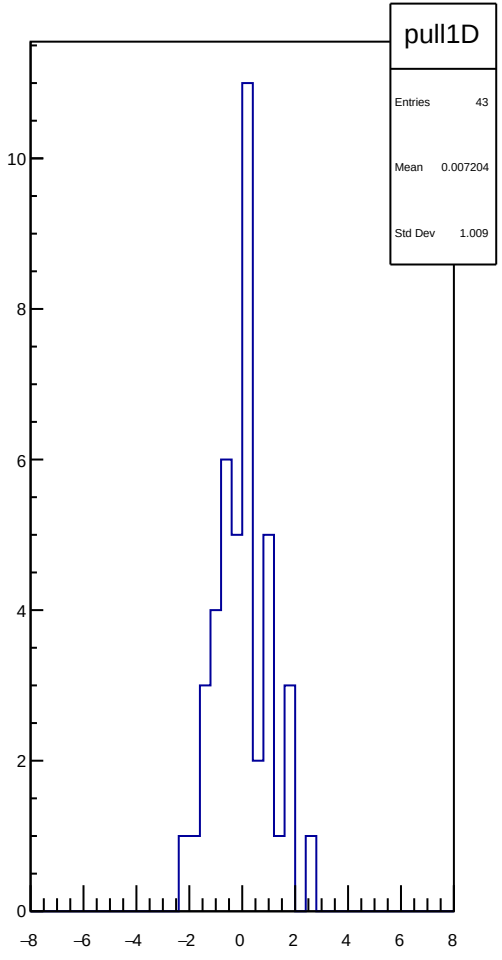

pull1D
Entries 43
Mean −0.05409
Std Dev 0.9833

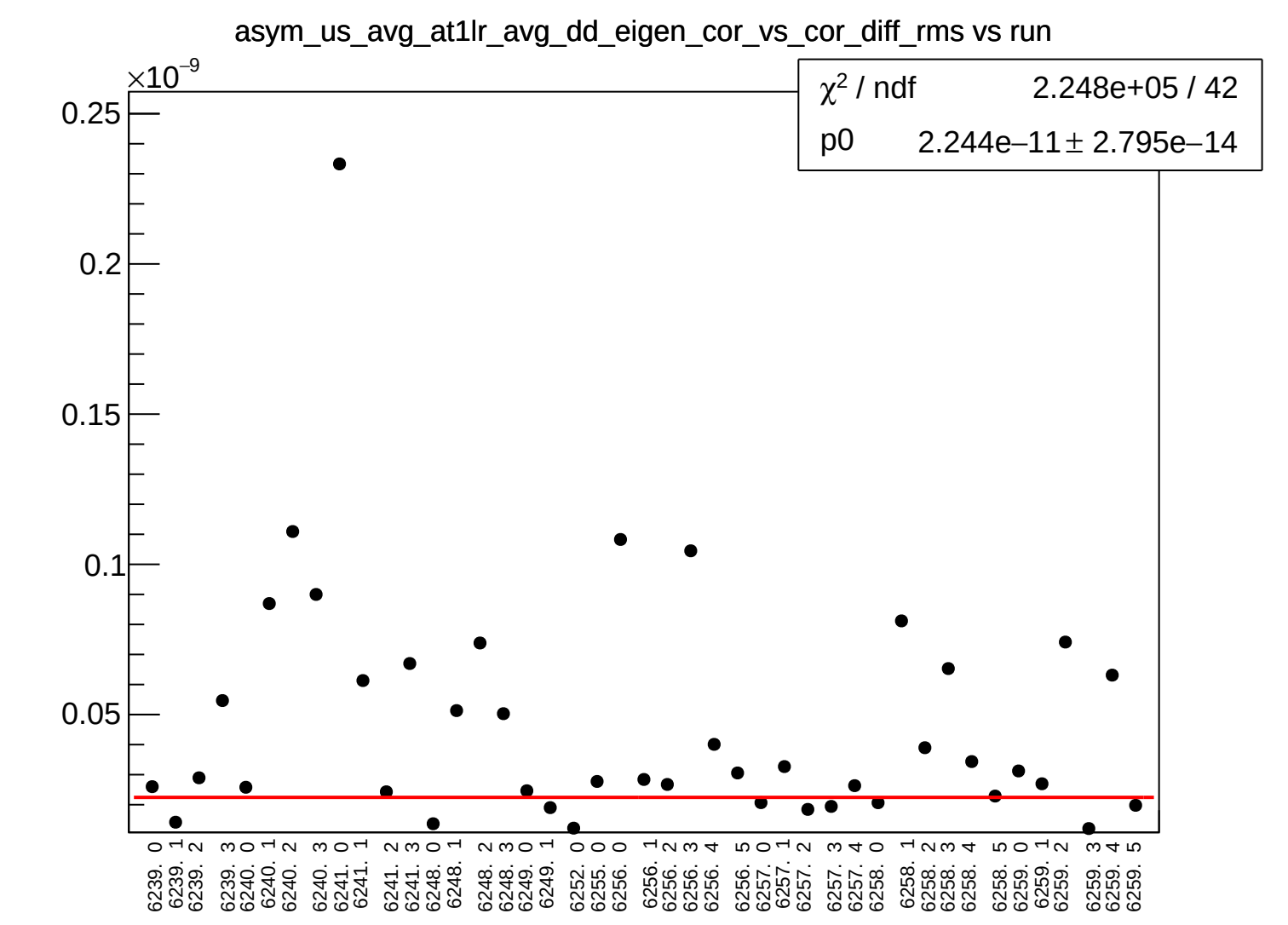

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.144e+05 / 42
p0 49.76 ± 0.05727
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

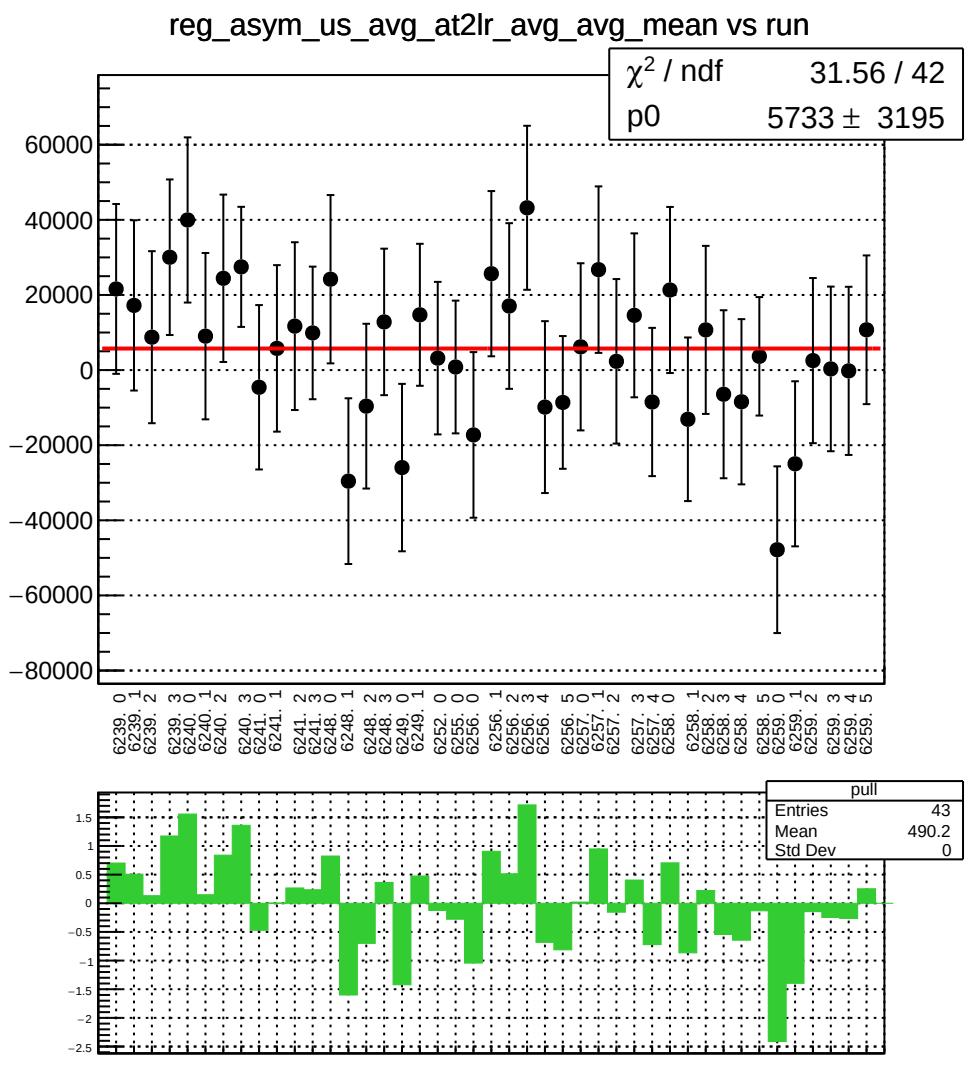

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.7 / 42
p0 0.1094 ± 0.08099
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.22
Std Dev 9.163
pull1D
Entries 43
Mean −0.05409
Std Dev 0.9833

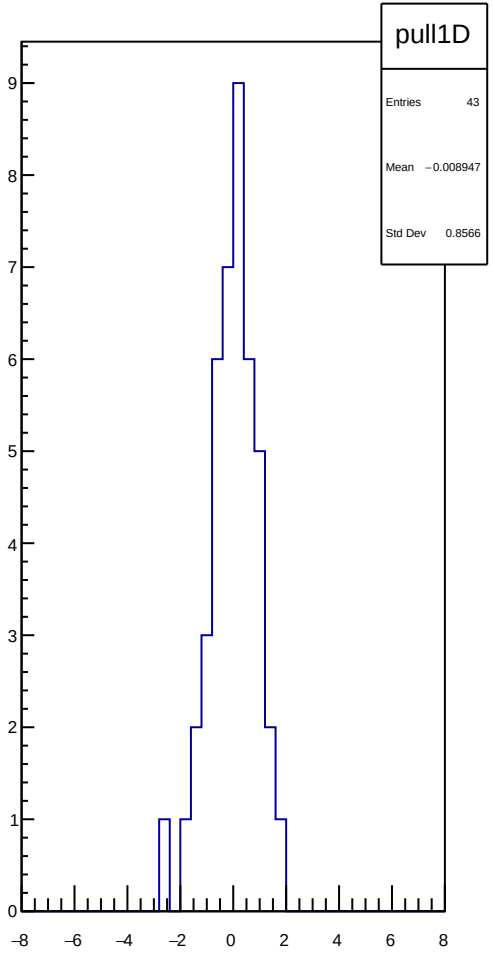

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.144e+05 / 42
p0 49.76 ± 0.05727
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

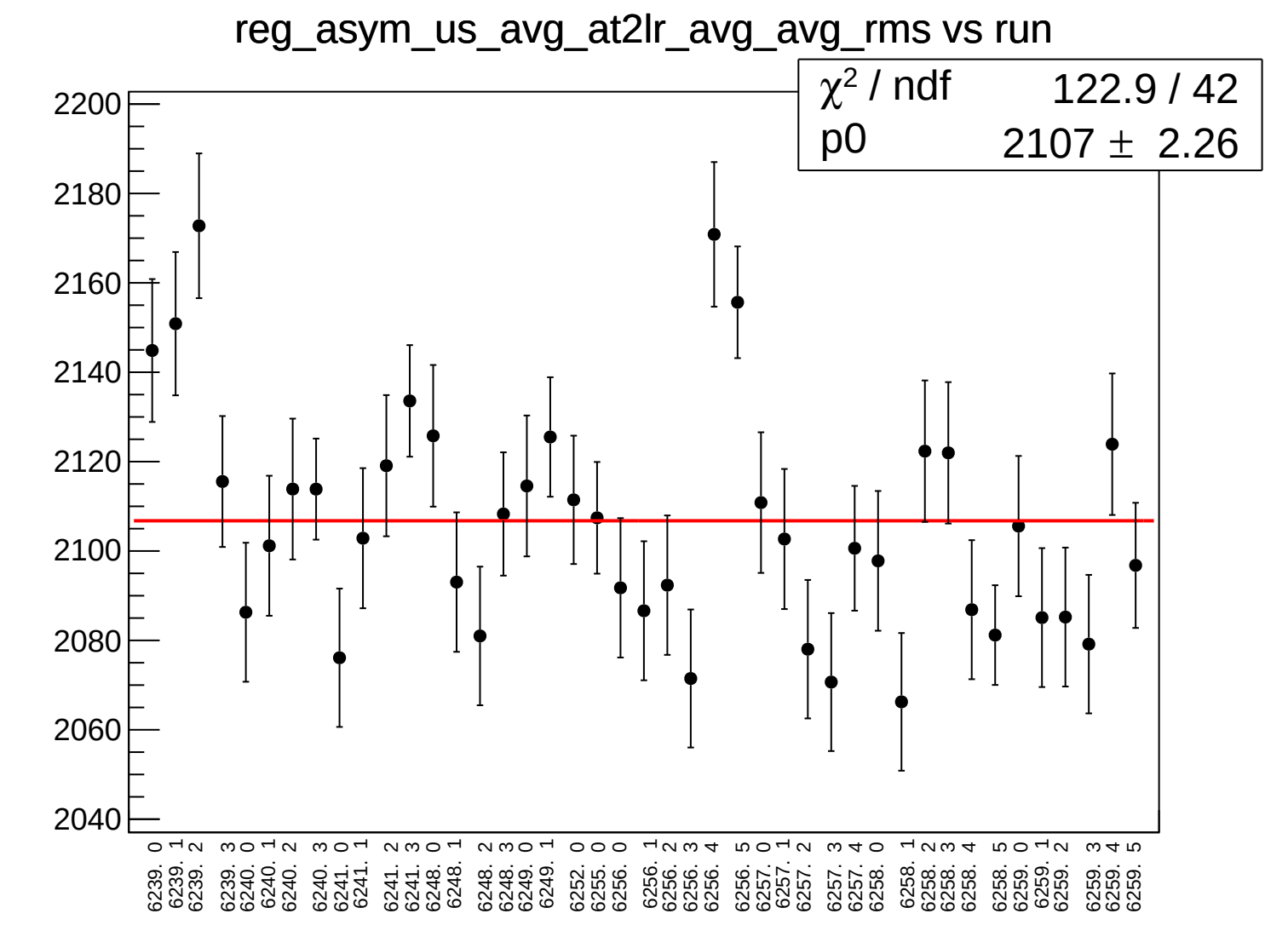

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.77 / 42
p0 5.903e−15 ± 3.952e−14
pull
Entries 43
Mean 103.8
Std Dev 0

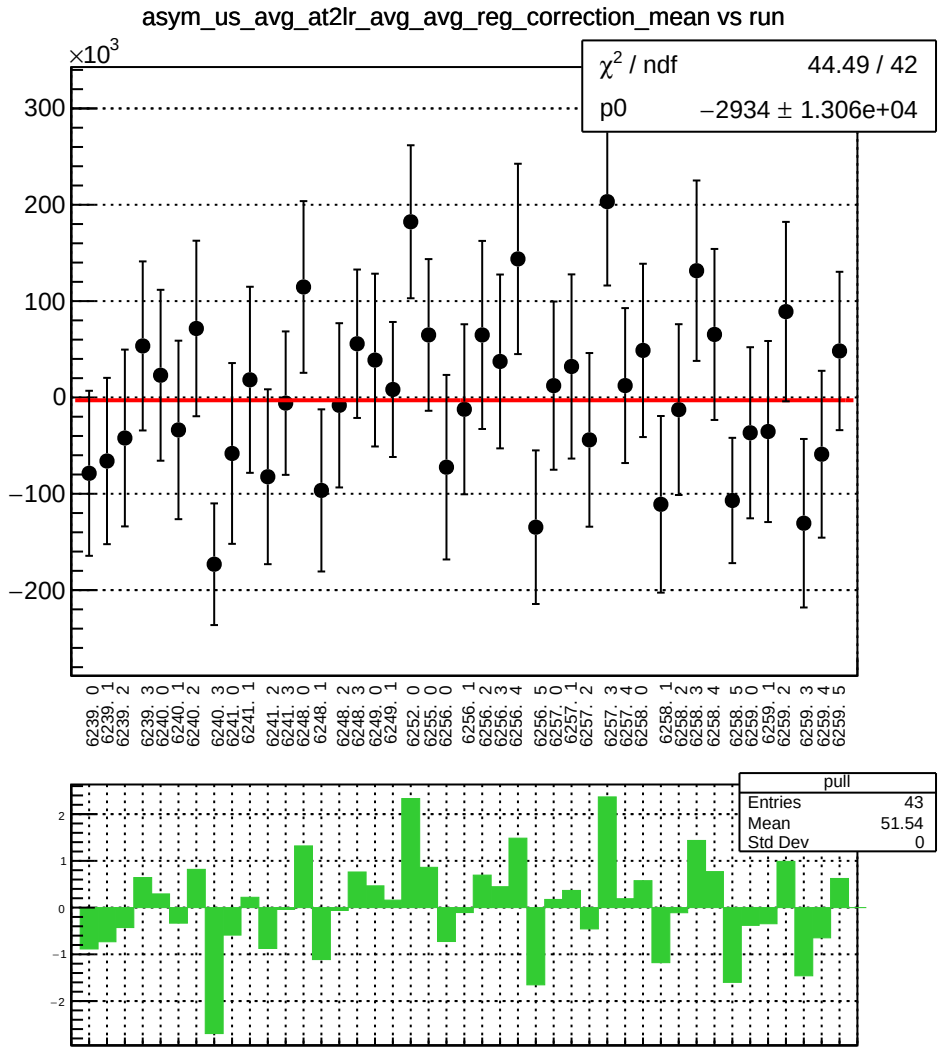

pull1D
Entries 43
Mean 0.007204
Std Dev 1.009

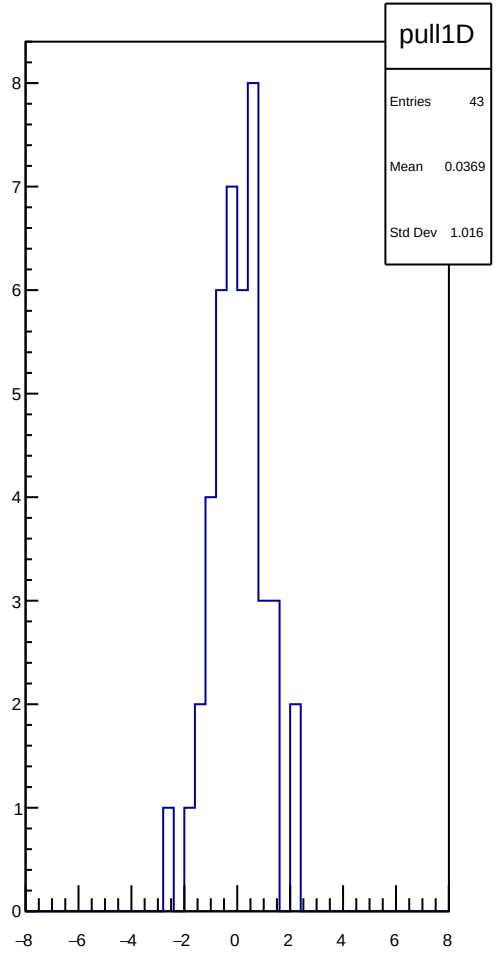

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.248e+05 / 42
p0 2.244e−11 ± 2.795e−14
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

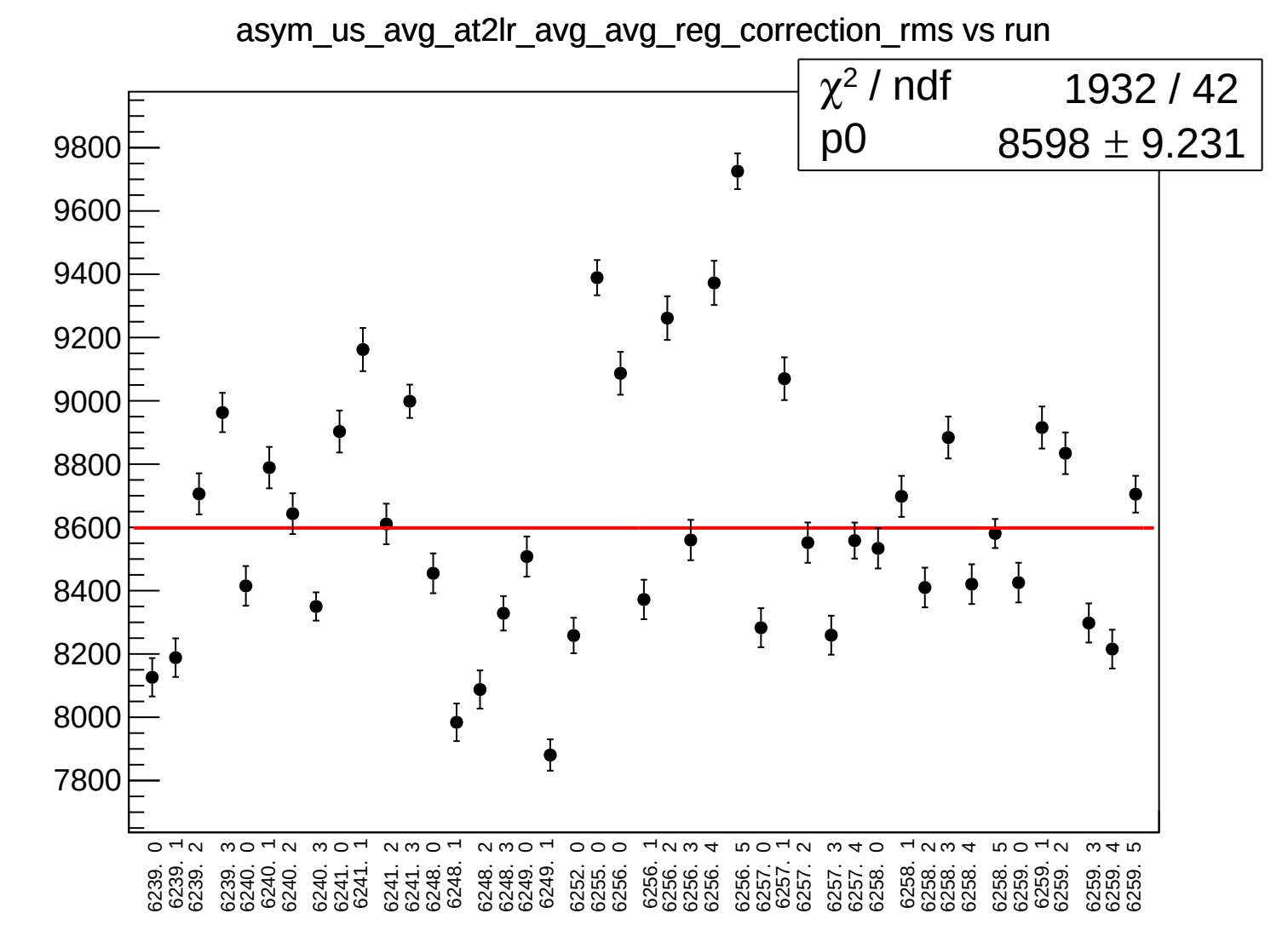

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 31.56 / 42
p0 5733 ± 3195
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 490.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

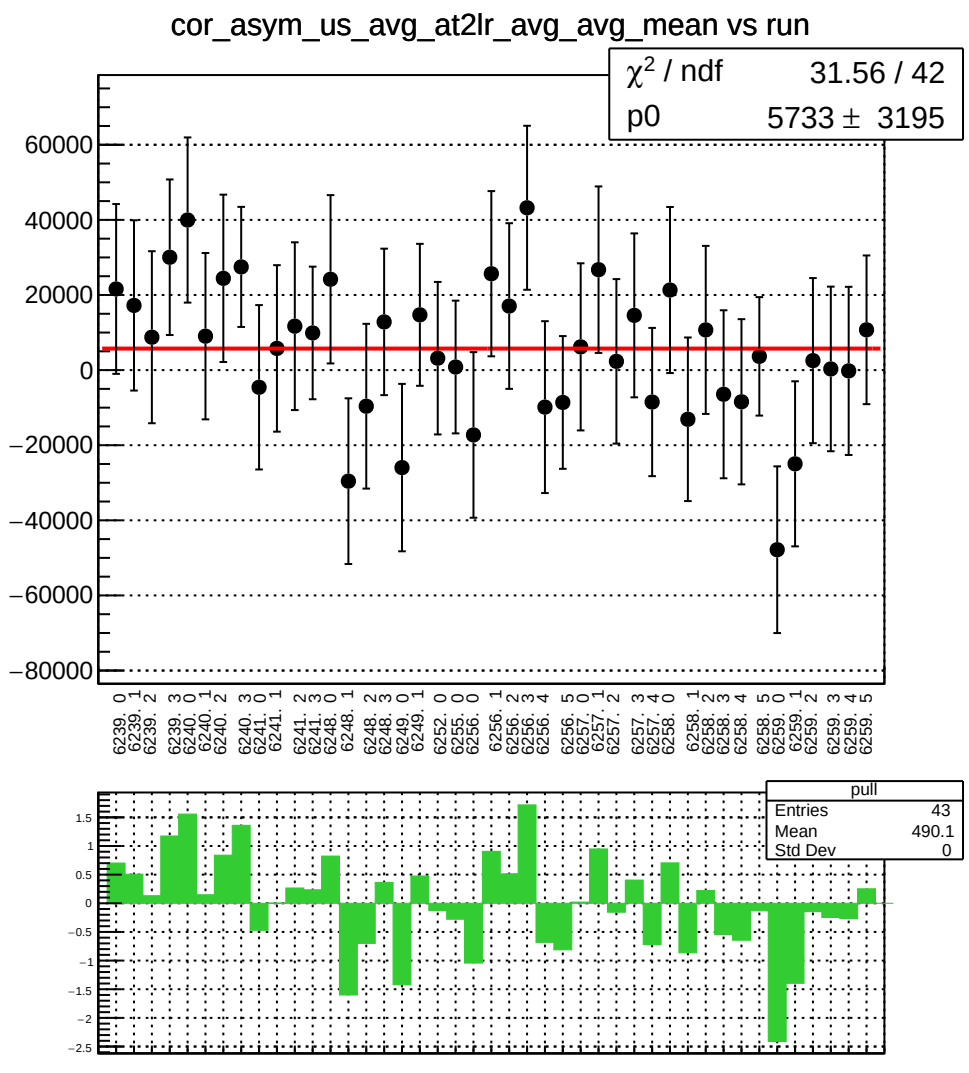

pull1D
Entries 43
Mean −0.008947
Std Dev 0.8566
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

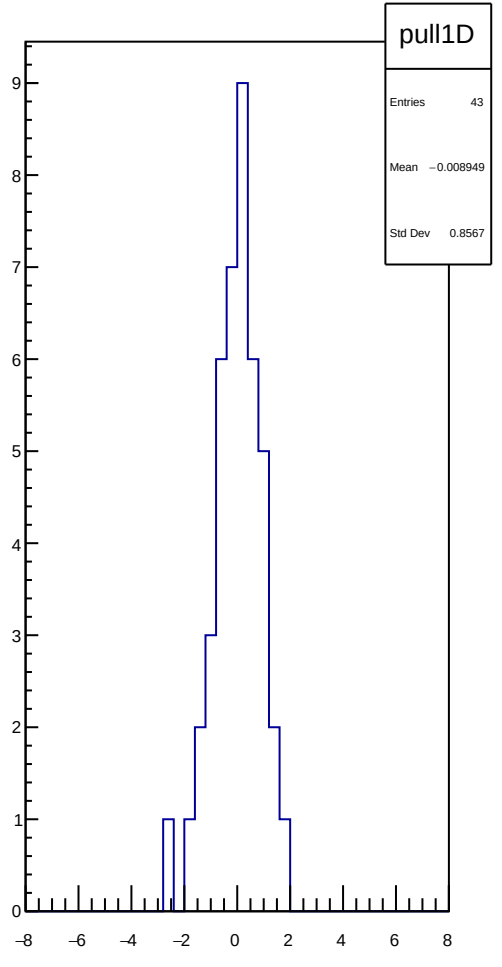

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 122.9 / 42
p0 2107 ± 2.26
2200
2180
2160
2140
2120
2100
2080
2060
2040
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

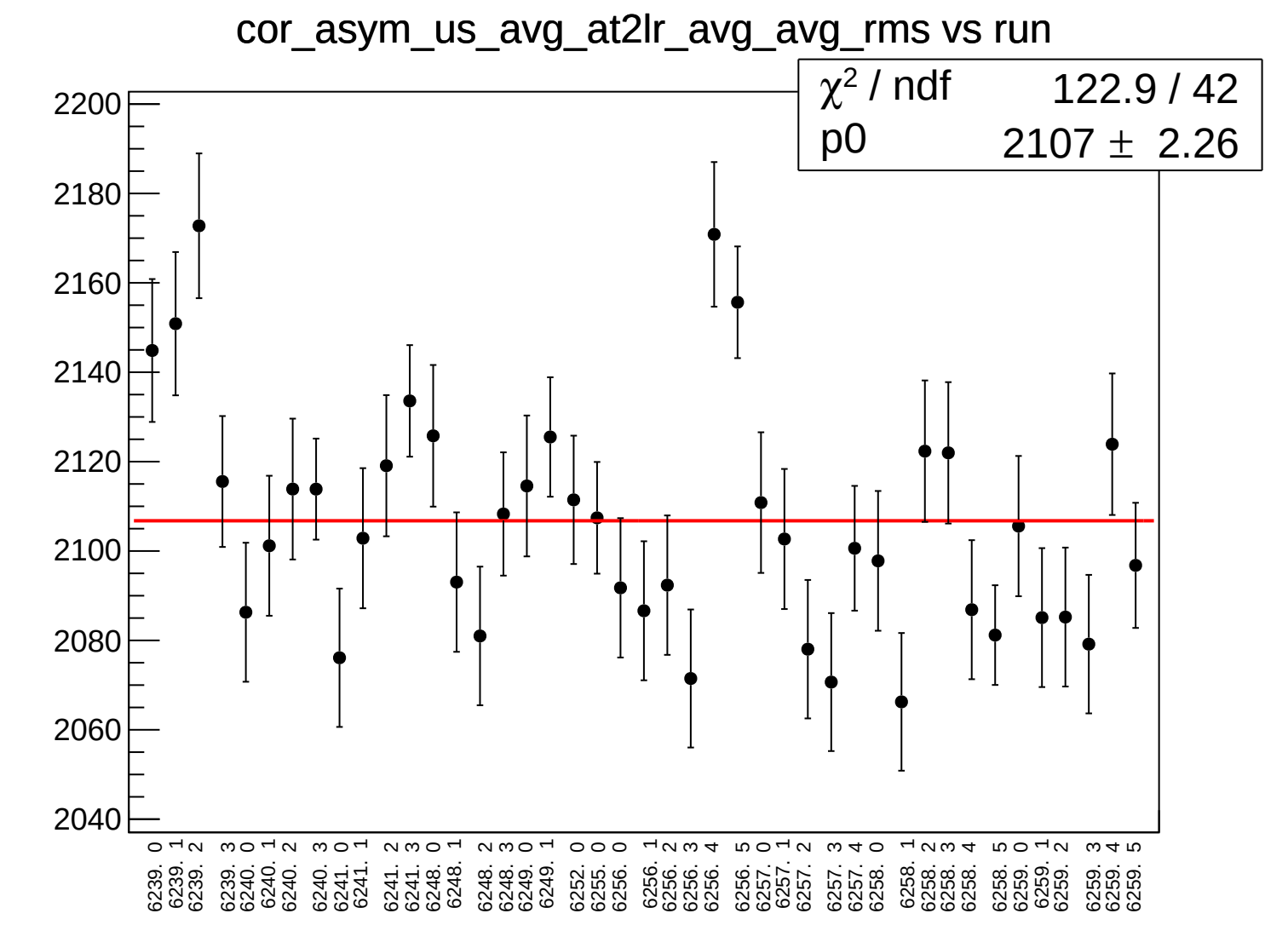

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.49 / 42
p0 −2934 ± 1.306e+04
300
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.54
Std Dev 0
2
1
0
−1
−2

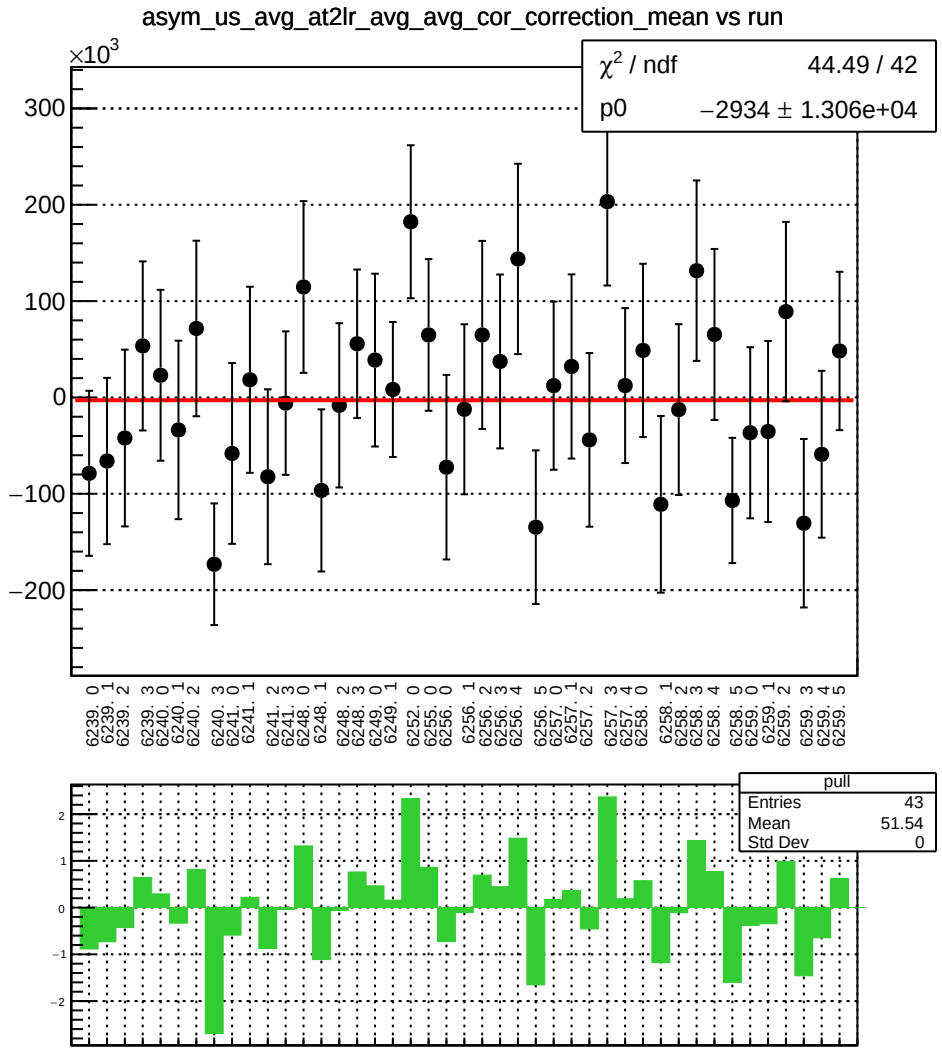

pull1D
Entries 43
Mean 0.0369
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

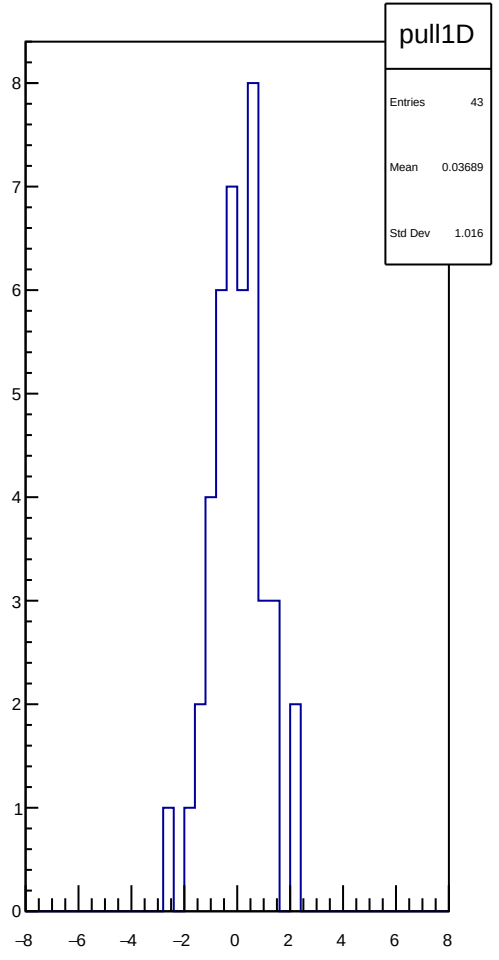

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1932 / 42
p0 8598 ± 9.231
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

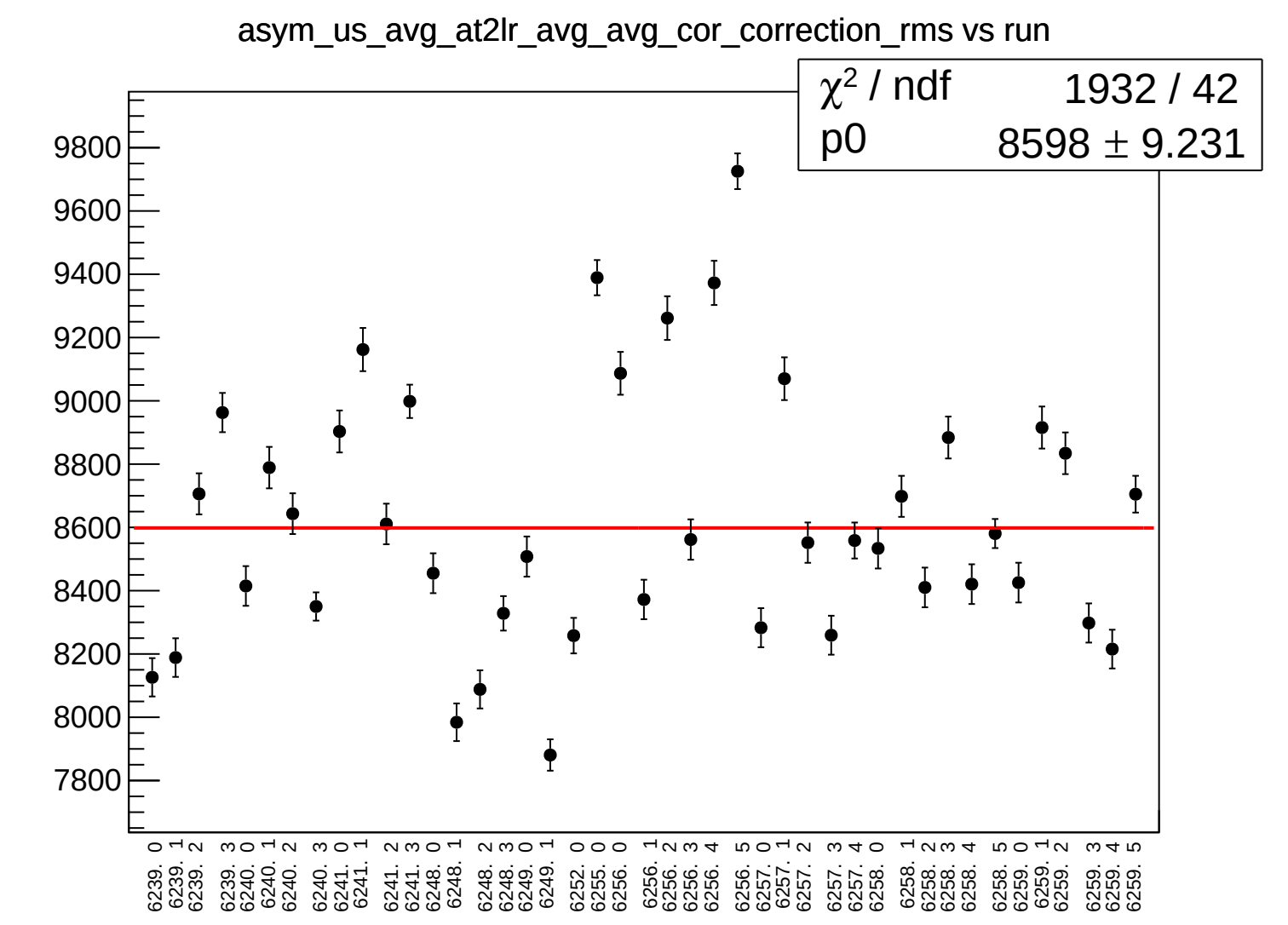

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 31.56 / 42
p0 5733 ± 3195
pull
Entries 43
Mean 490.1
Std Dev 0

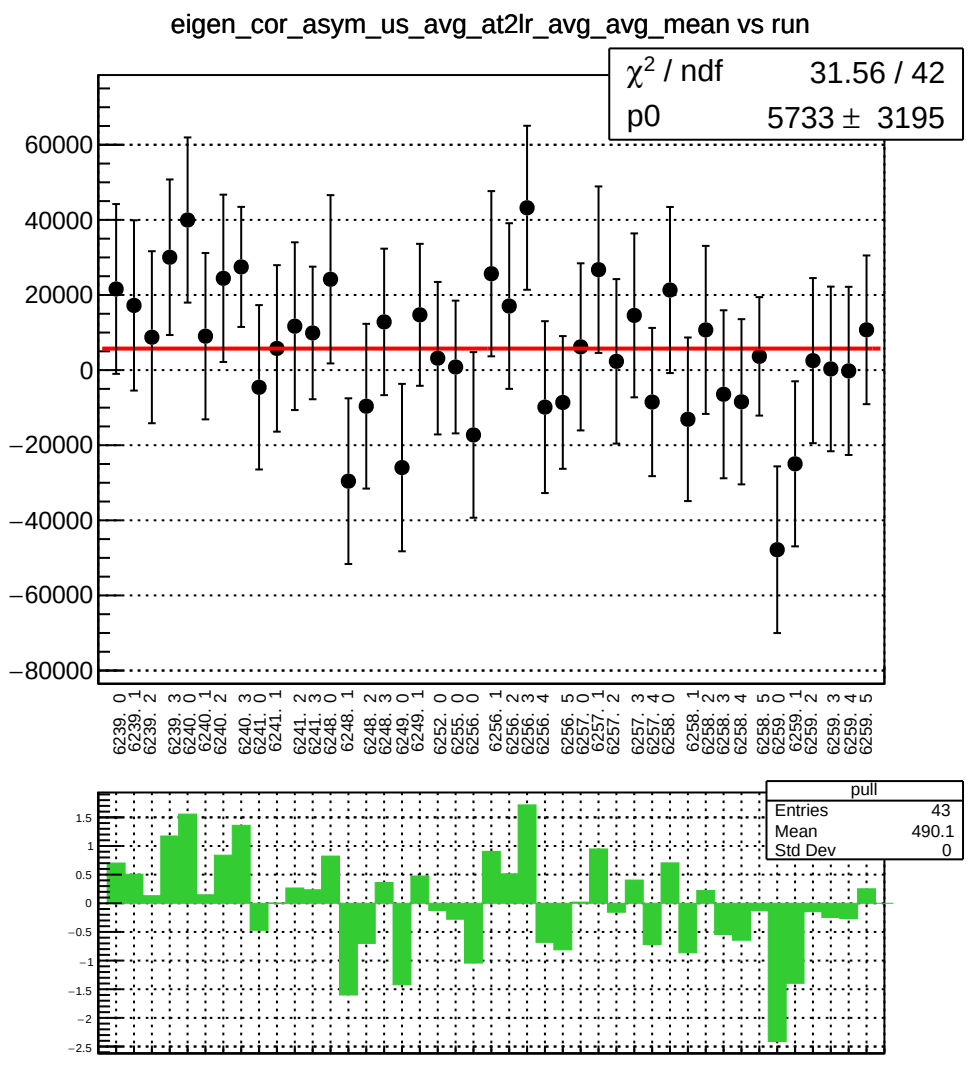

pull1D
Entries 43
Mean −0.008949
Std Dev 0.8567

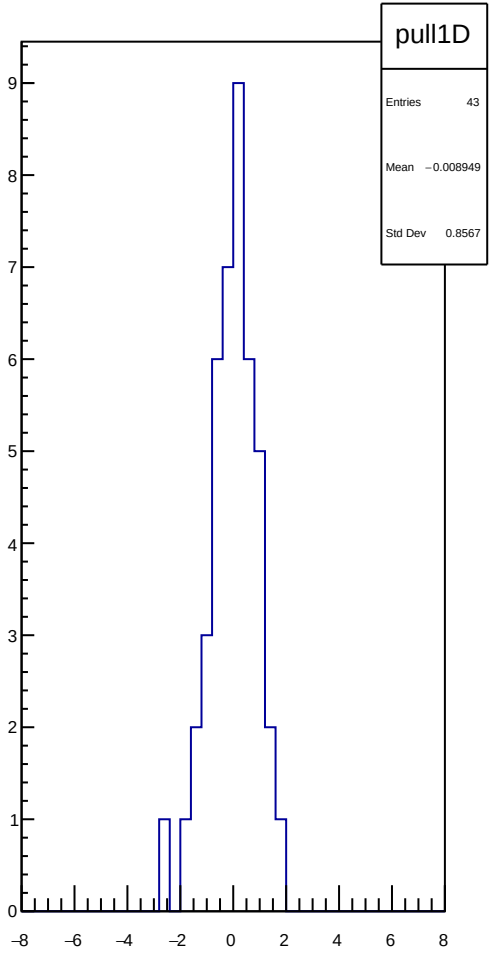

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 122.9 / 42
p0 2107 ± 2.26
2200
2180
2160
2140
2120
2100
2080
2060
2040
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

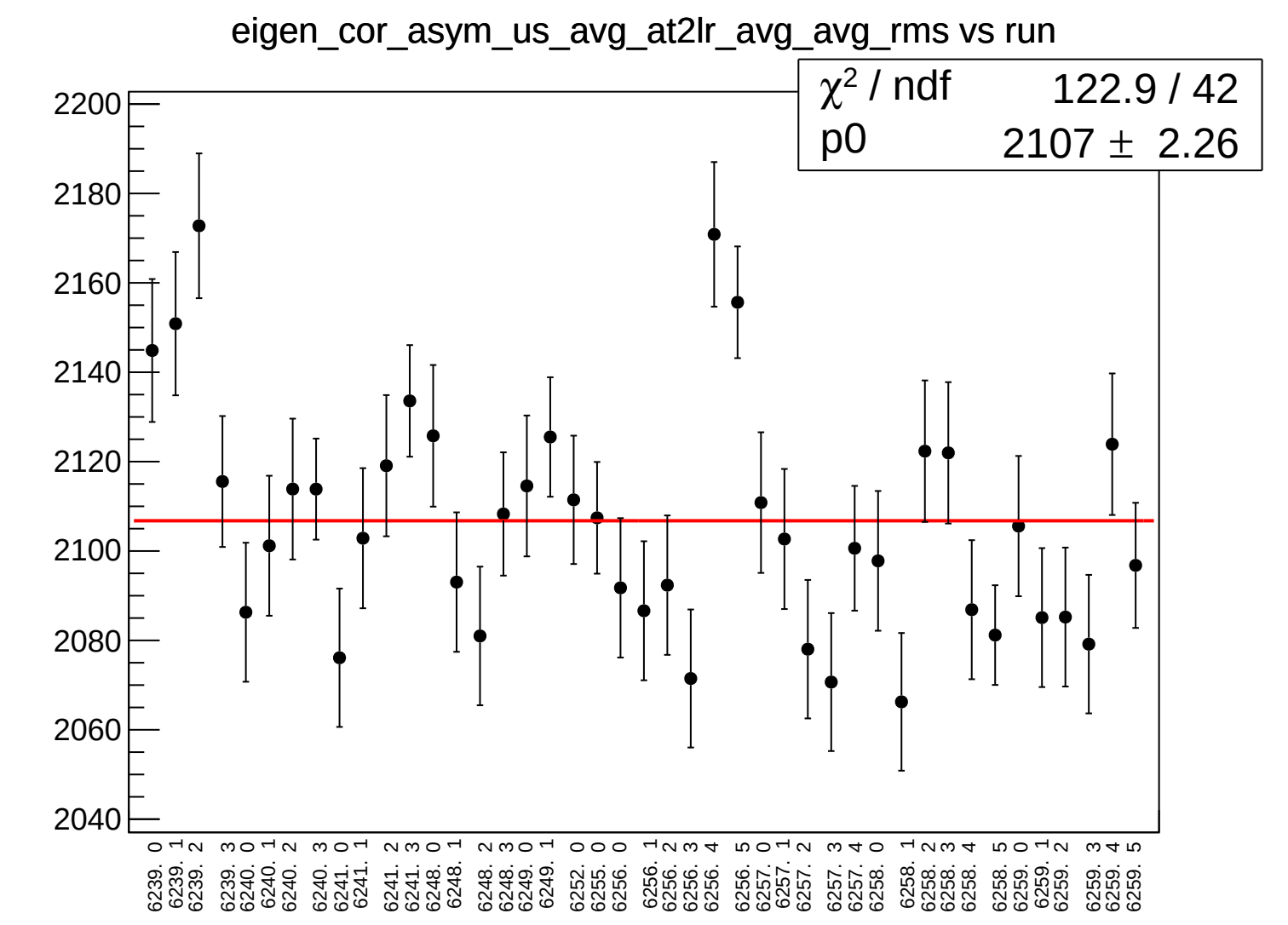

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.49 / 42
p0 −2934 ± 1.306e+04
300
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.54
Std Dev 0
2
1
0
−1
−2

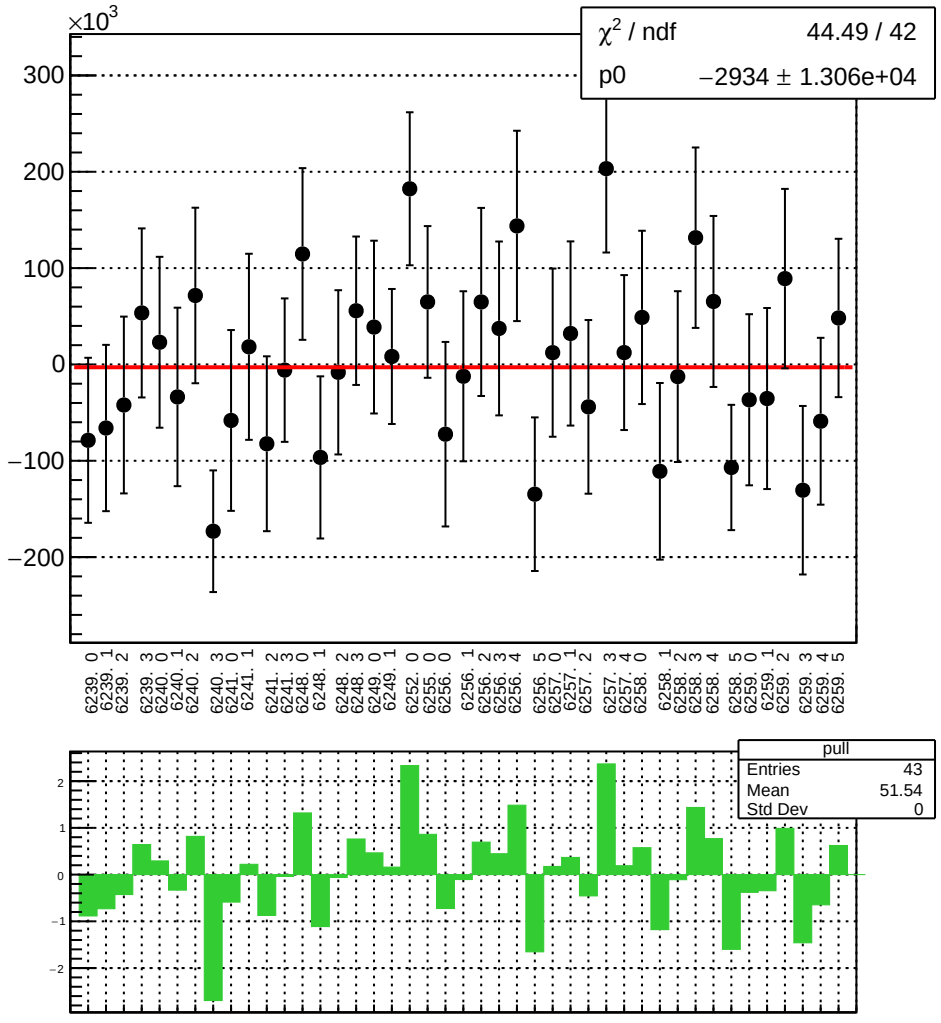

pull1D
Entries 43
Mean 0.03689
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

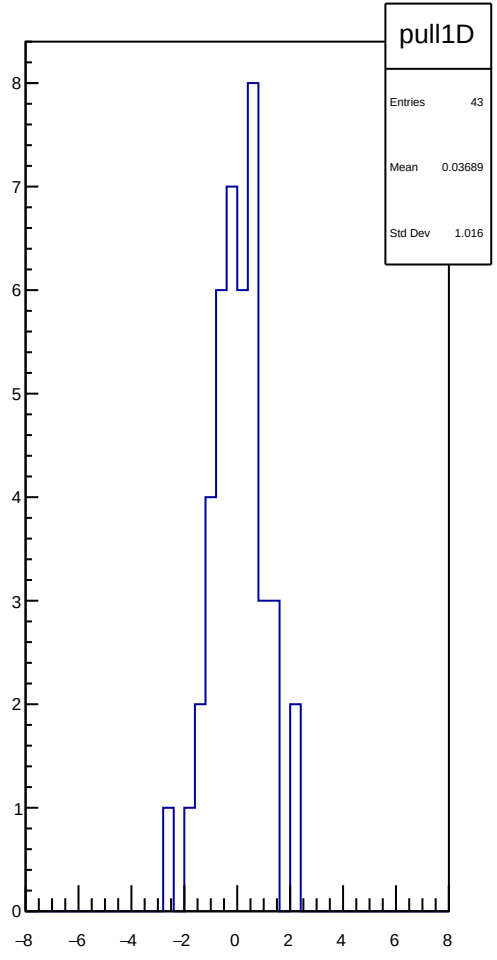

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1932 / 42
p0 8598 ± 9.231
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

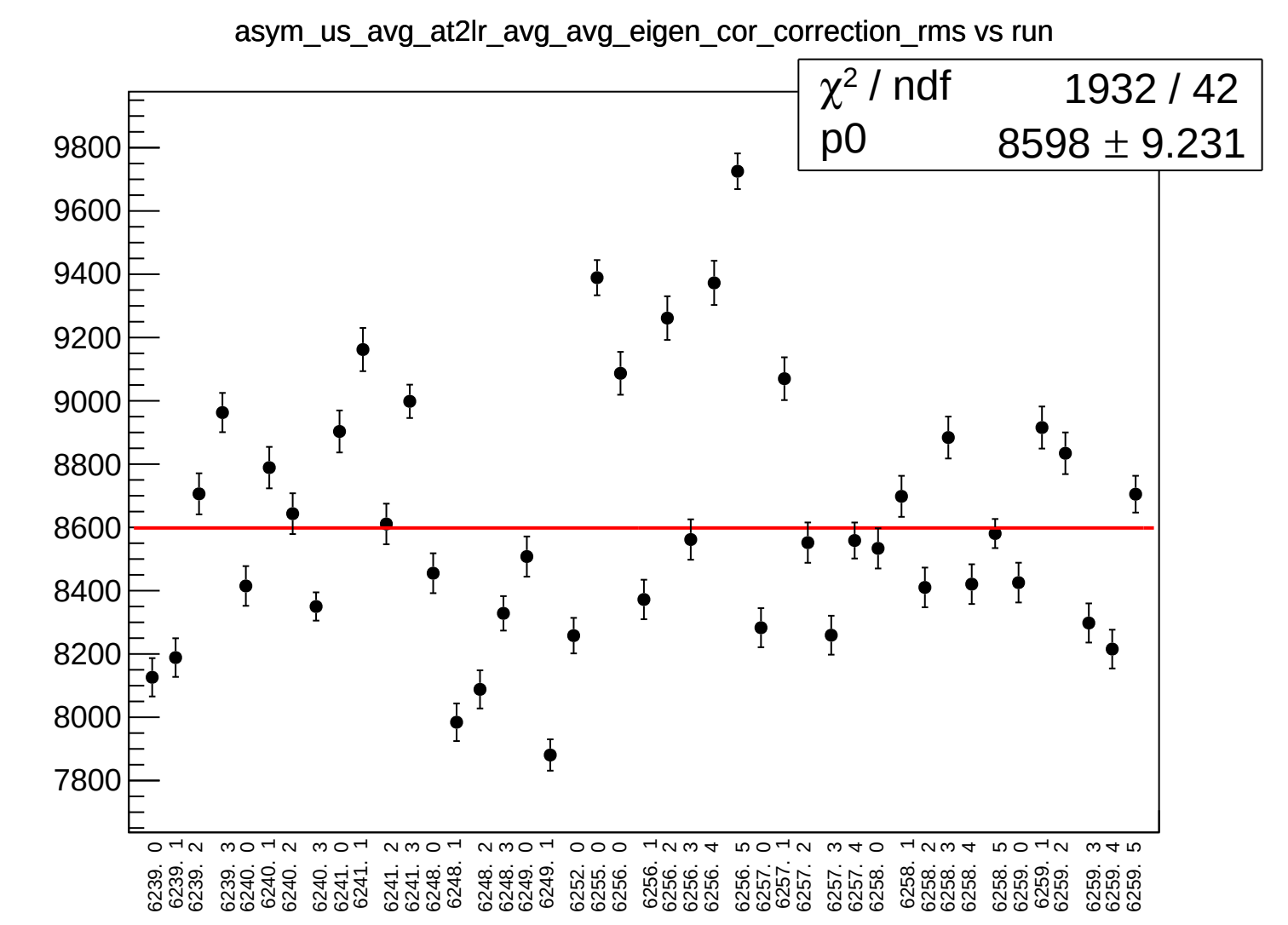

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 31.56 / 42
p0 5733 ± 3195
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 490.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

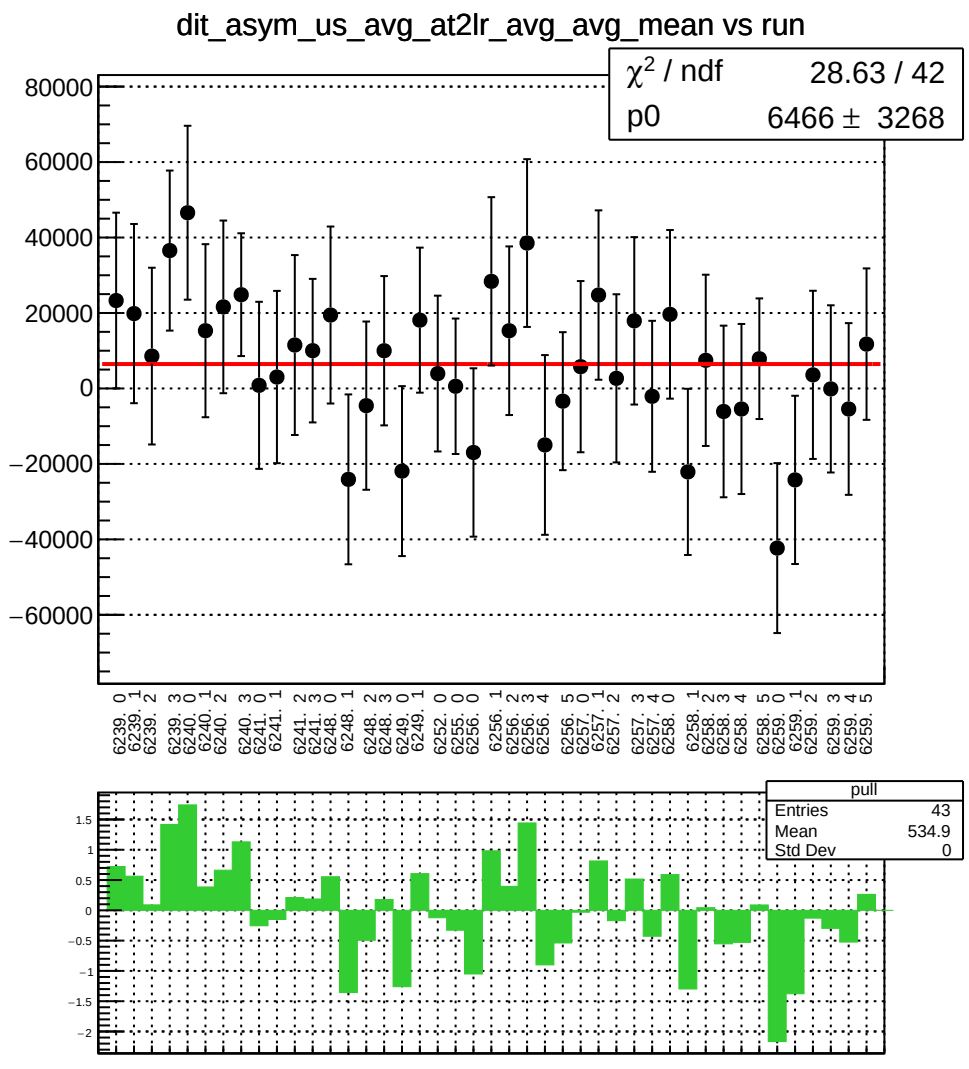

pull1D
Entries 43
Mean −0.008949
Std Dev 0.8567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

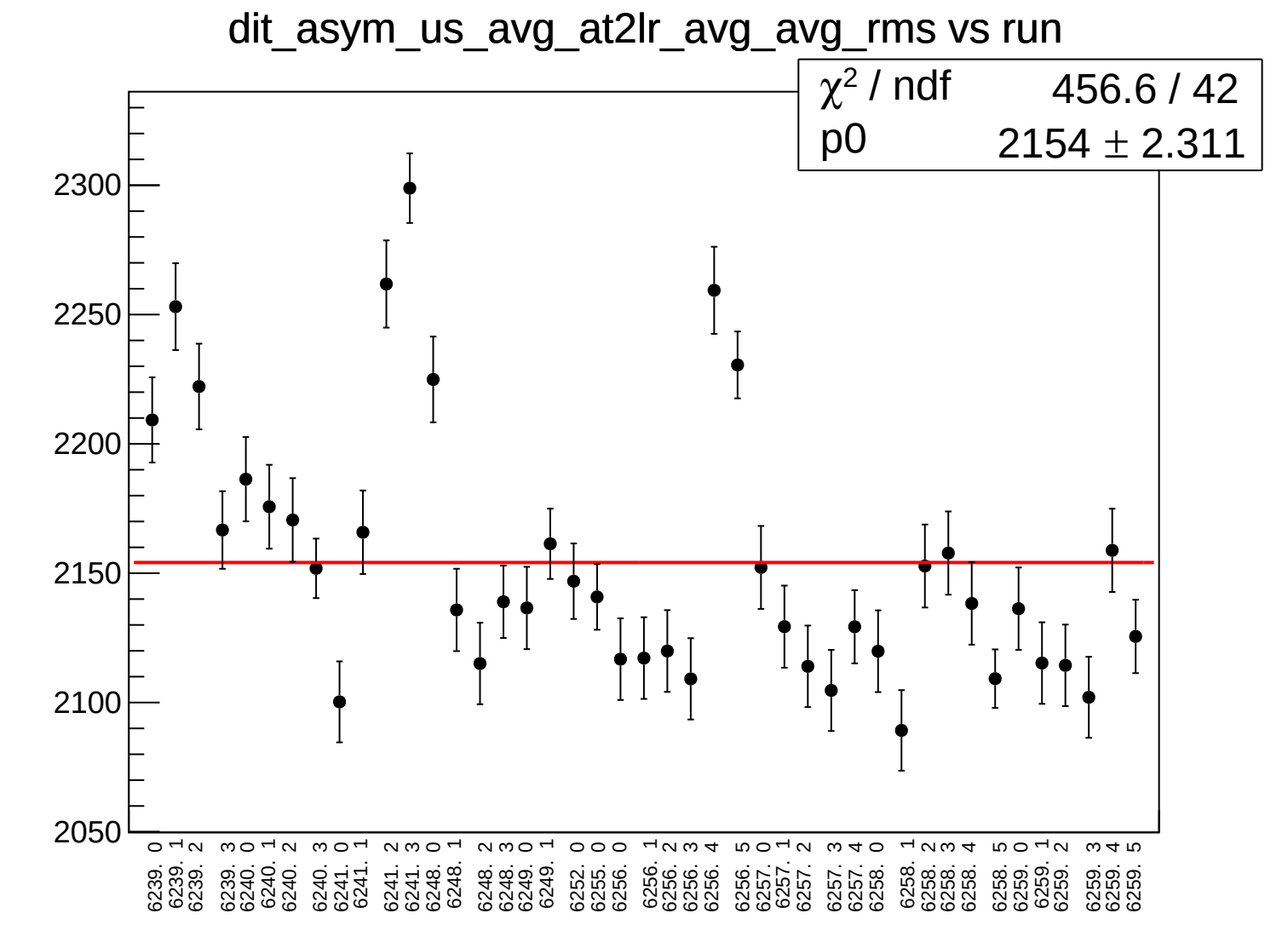

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 122.9 / 42
p0 2107 ± 2.26
2200
2180
2160
2140
2120
2100
2080
2060
2040
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

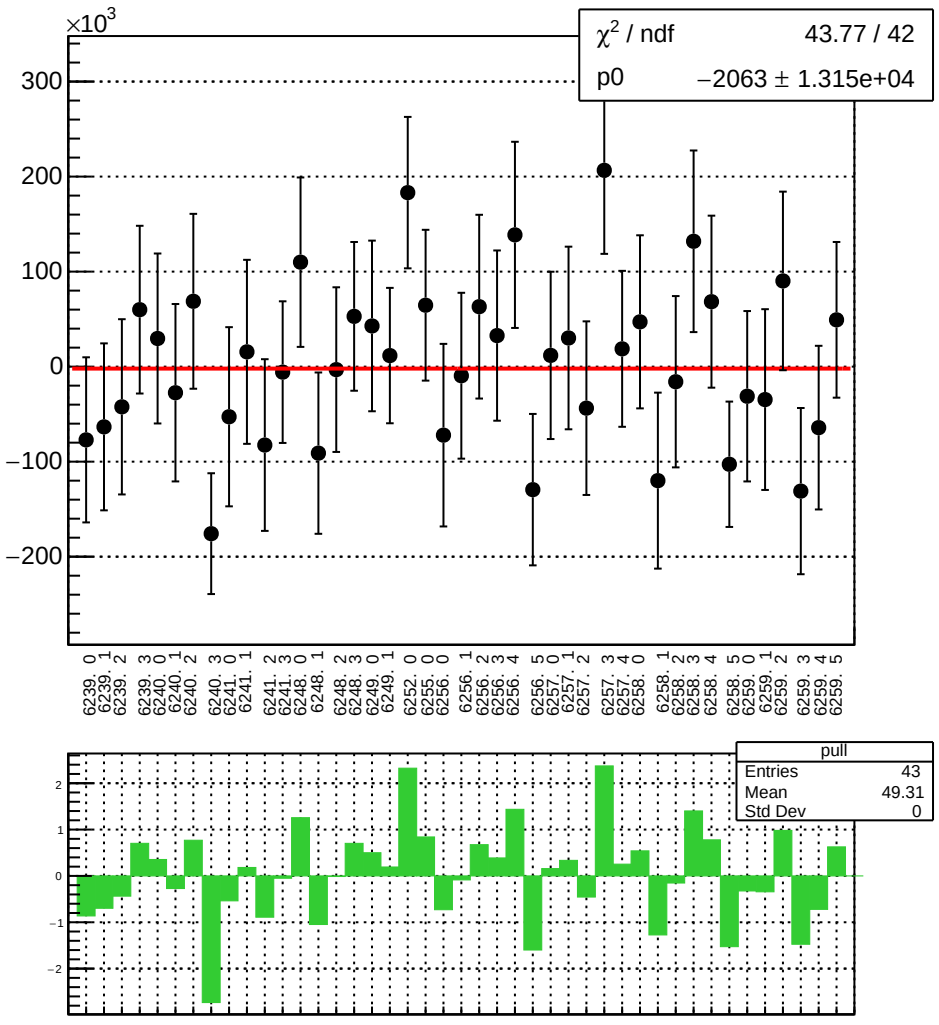

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.49 / 42
p0 −2934 ± 1.306e+04
300
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.54
Std Dev 0
2
1
0
−1
−2

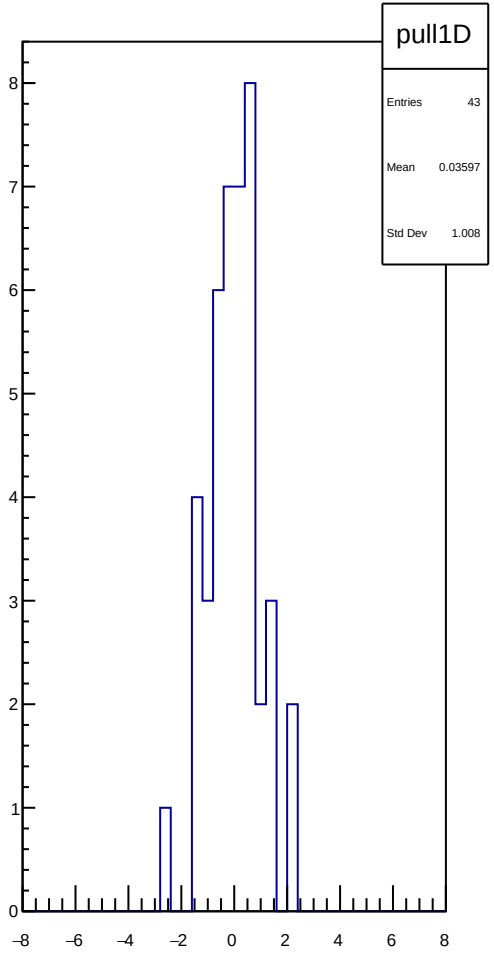

pull1D
Entries 43
Mean 0.03689
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

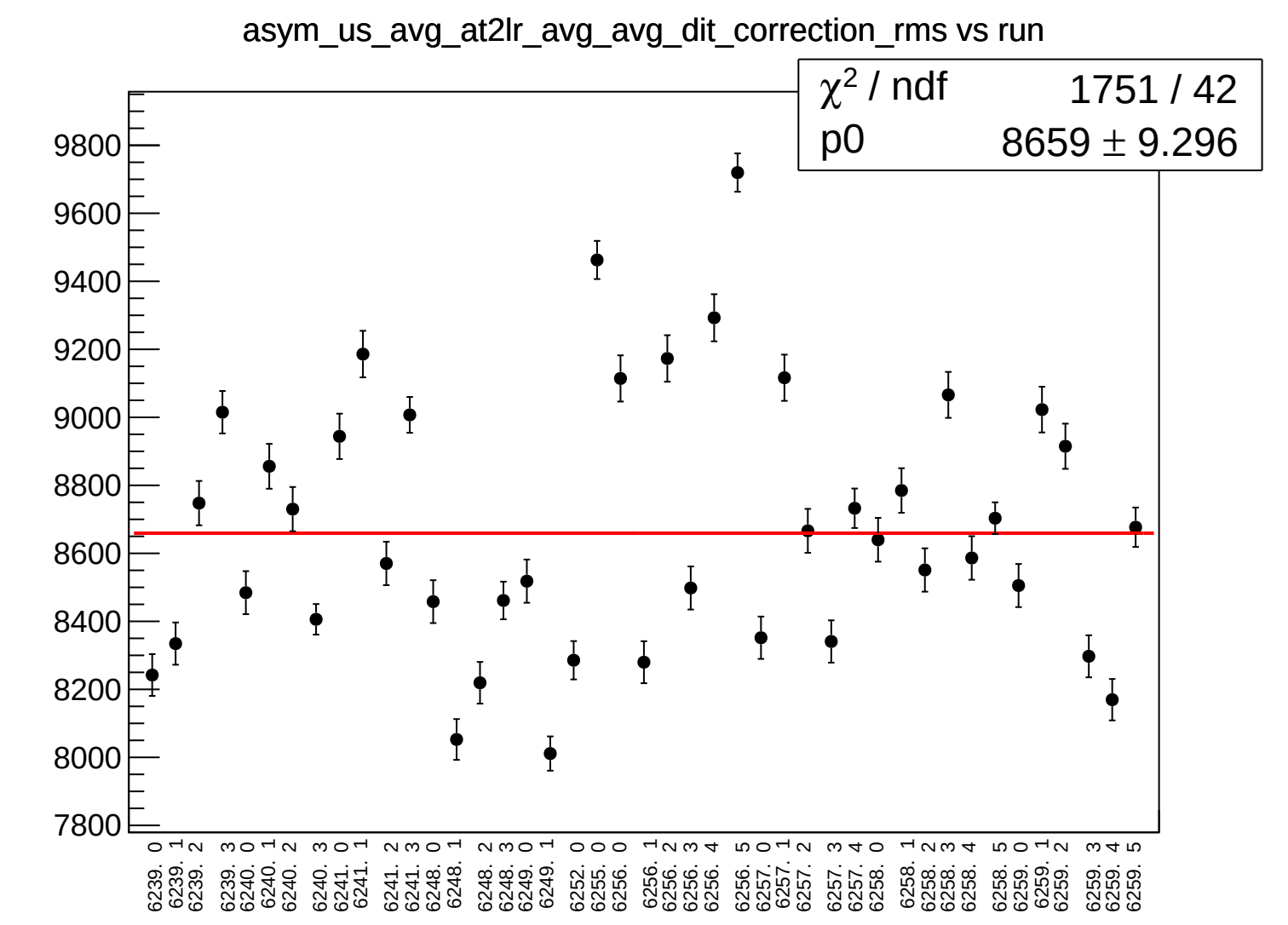

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1932 / 42
p0 8598 ± 9.231
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

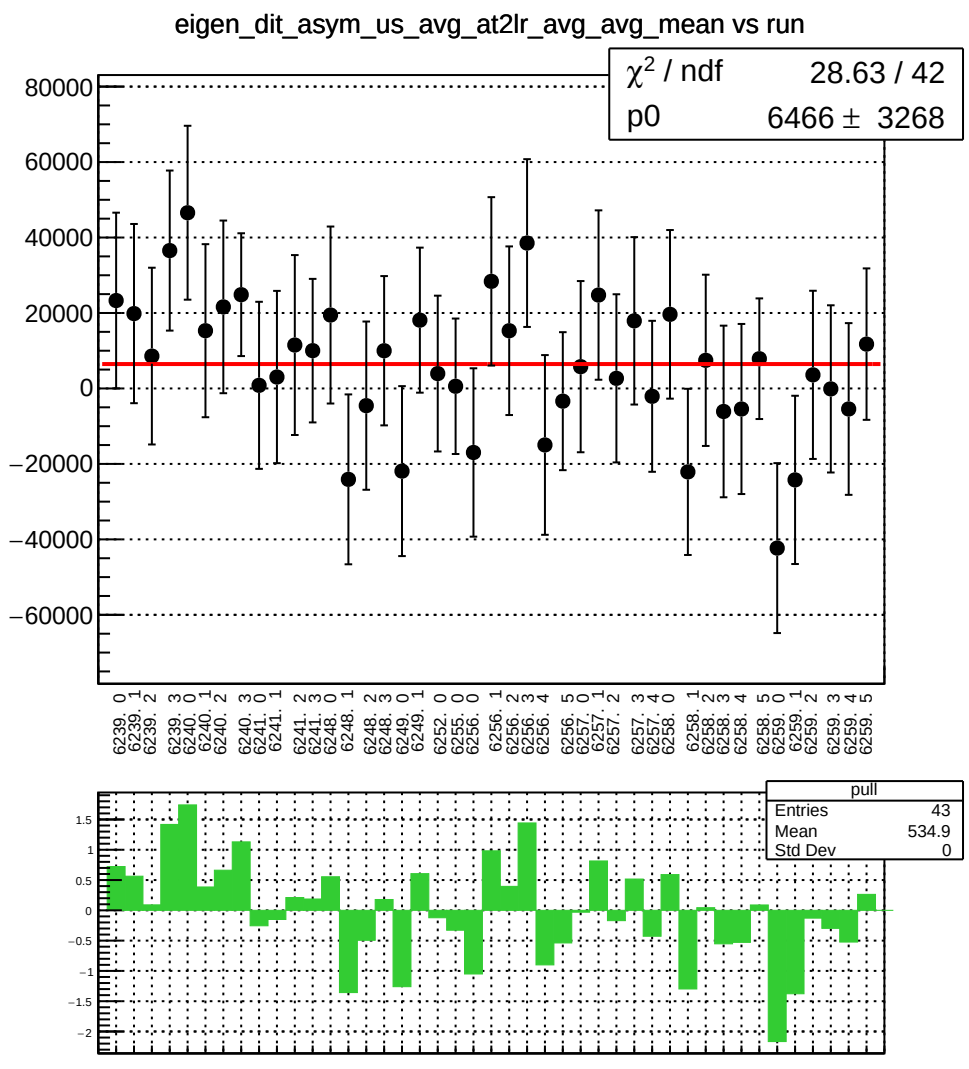

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 28.63 / 42
p0 6466 ± 3268
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 534.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008599
Std Dev 0.8159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

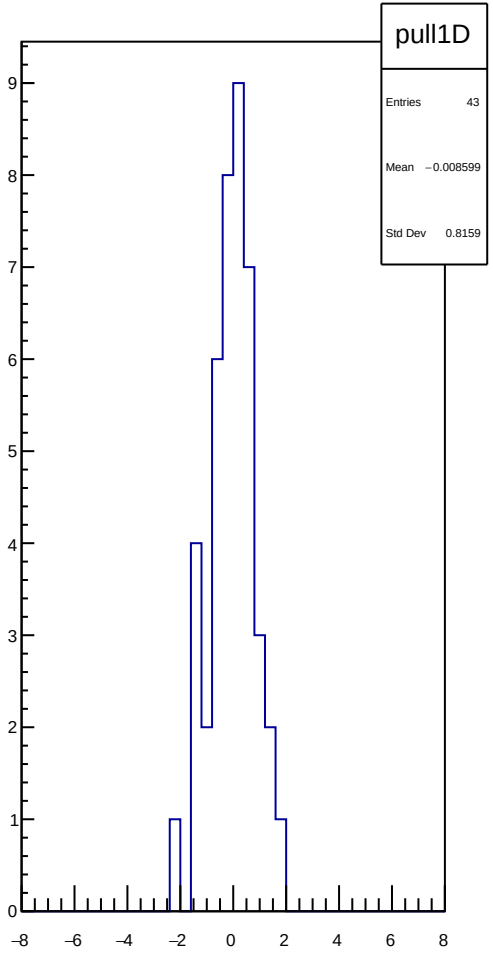

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 456.6 / 42
p0 2154 ± 2.311
2300
2250
2200
2150
2100
2050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

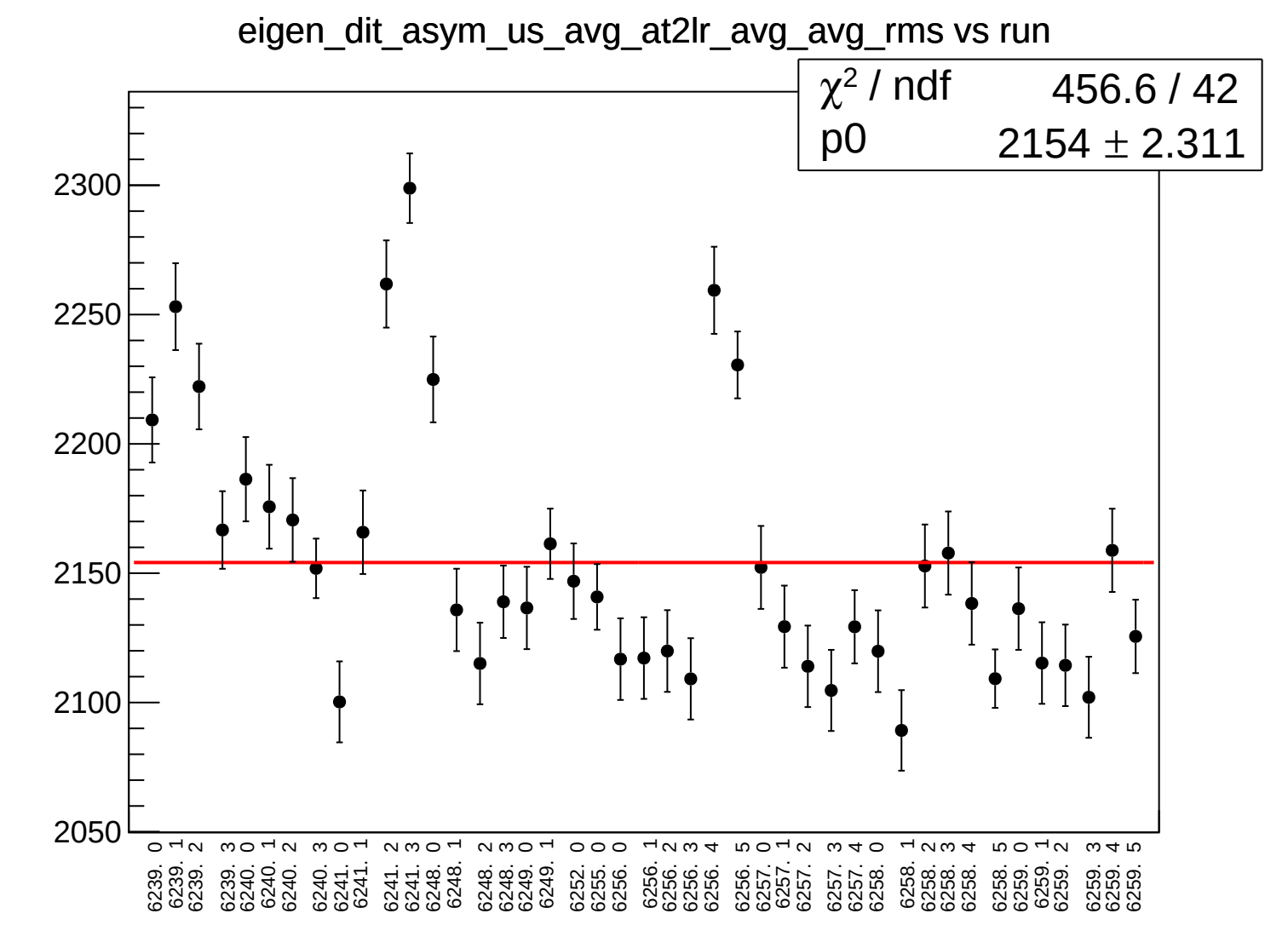

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.77 / 42
p0 −2063 ± 1.315e+04
300
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.31
Std Dev 0
2
1
0
−1
−2

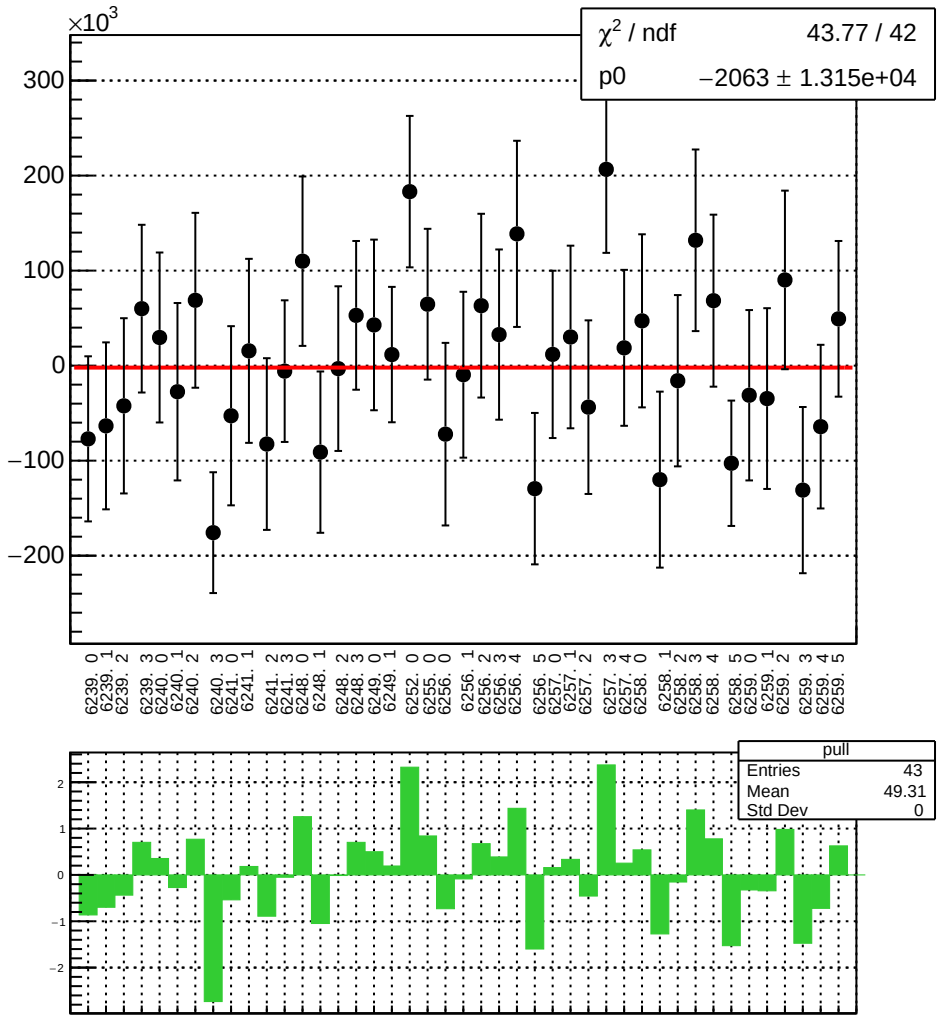

pull1D
Entries 43
Mean 0.03597
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

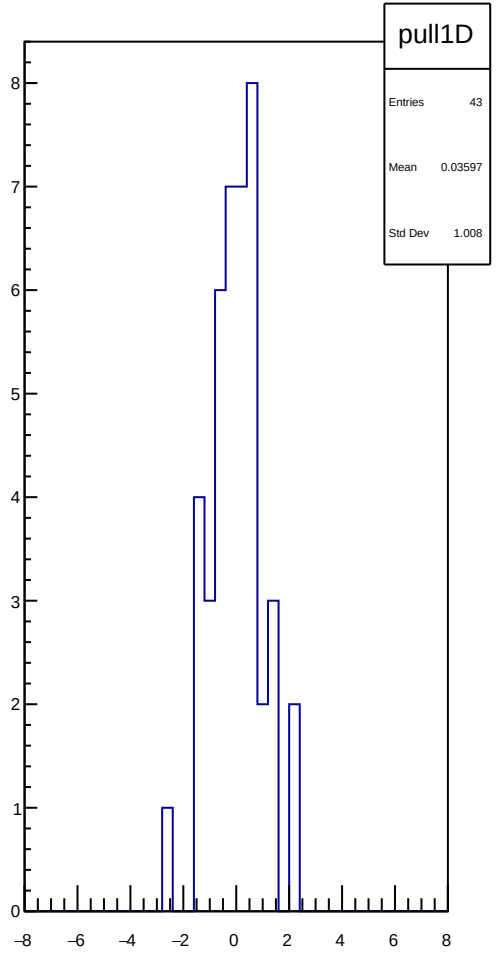

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1751 / 42
p0 8659 ± 9.296
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

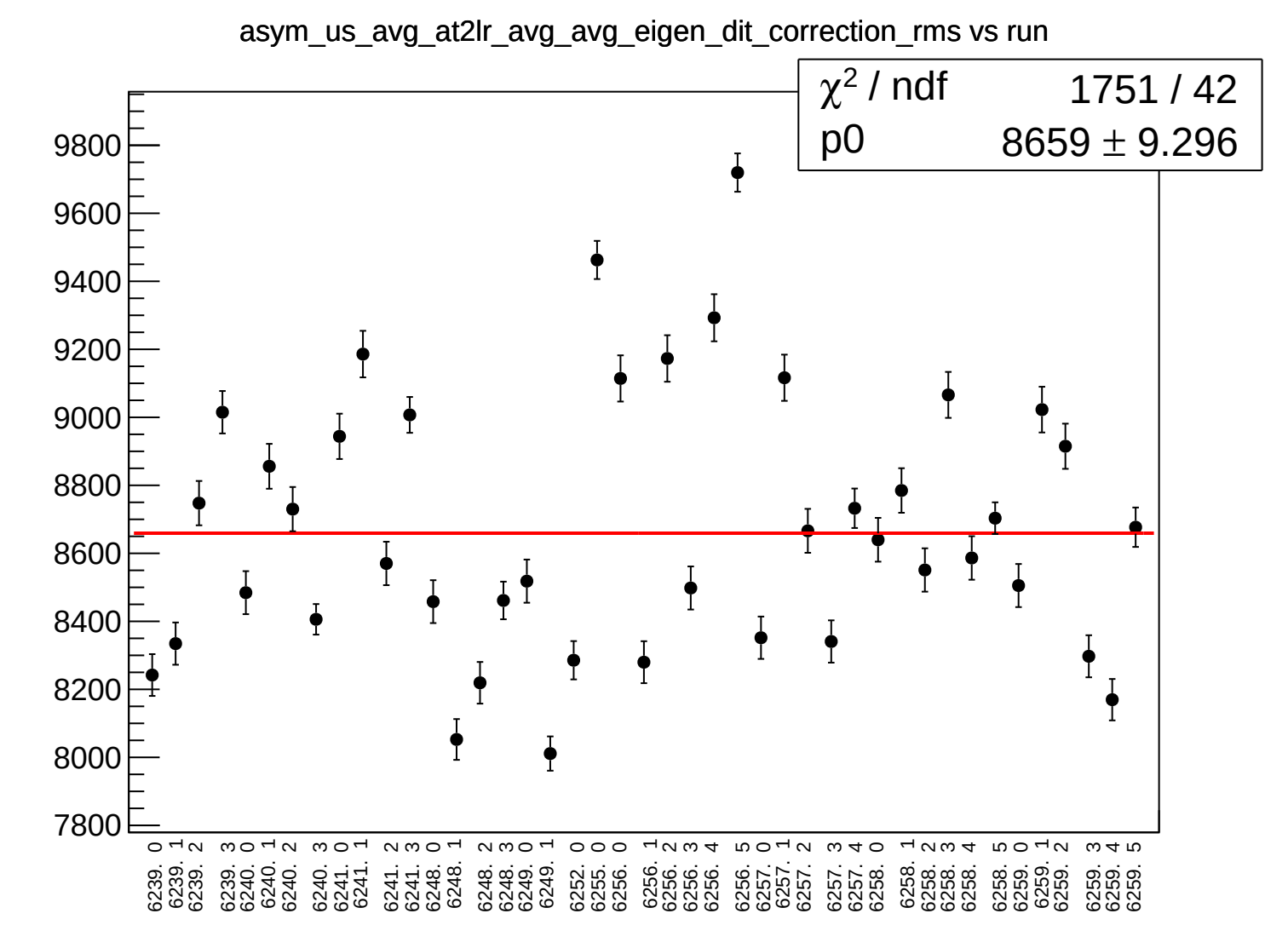

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 28.63 / 42
p0 6466 ± 3268
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 534.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

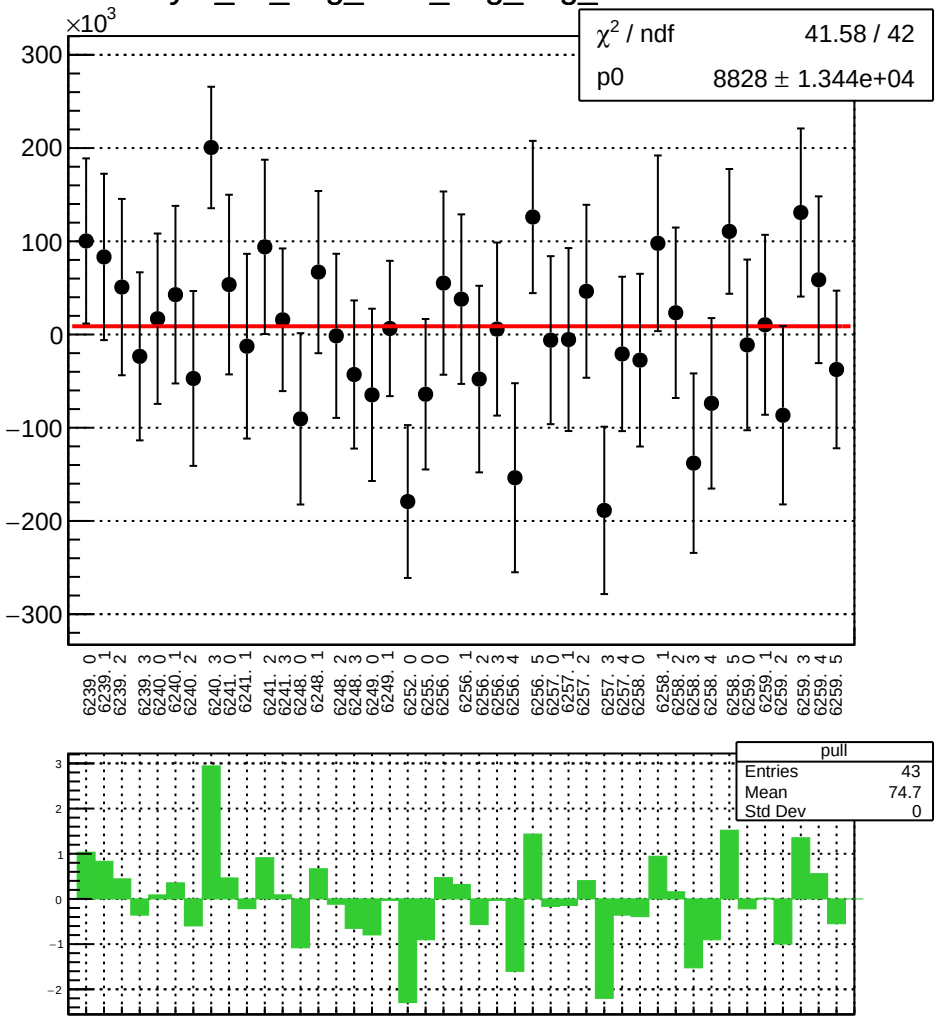

pull1D
Entries 43
Mean −0.008599
Std Dev 0.8159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

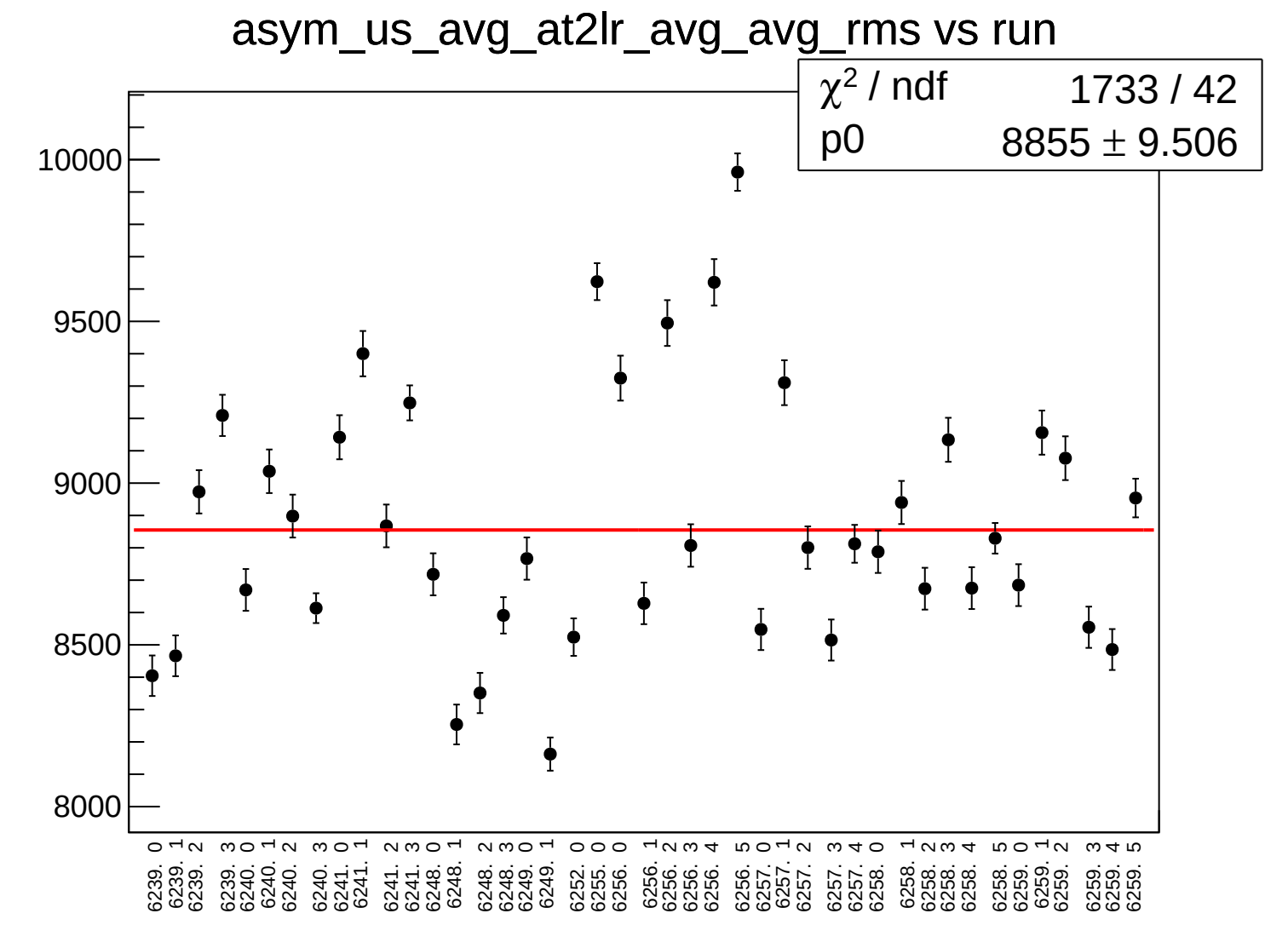

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 456.6 / 42
p0 2154 ± 2.311
2300
2250
2200
2150
2100
2050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

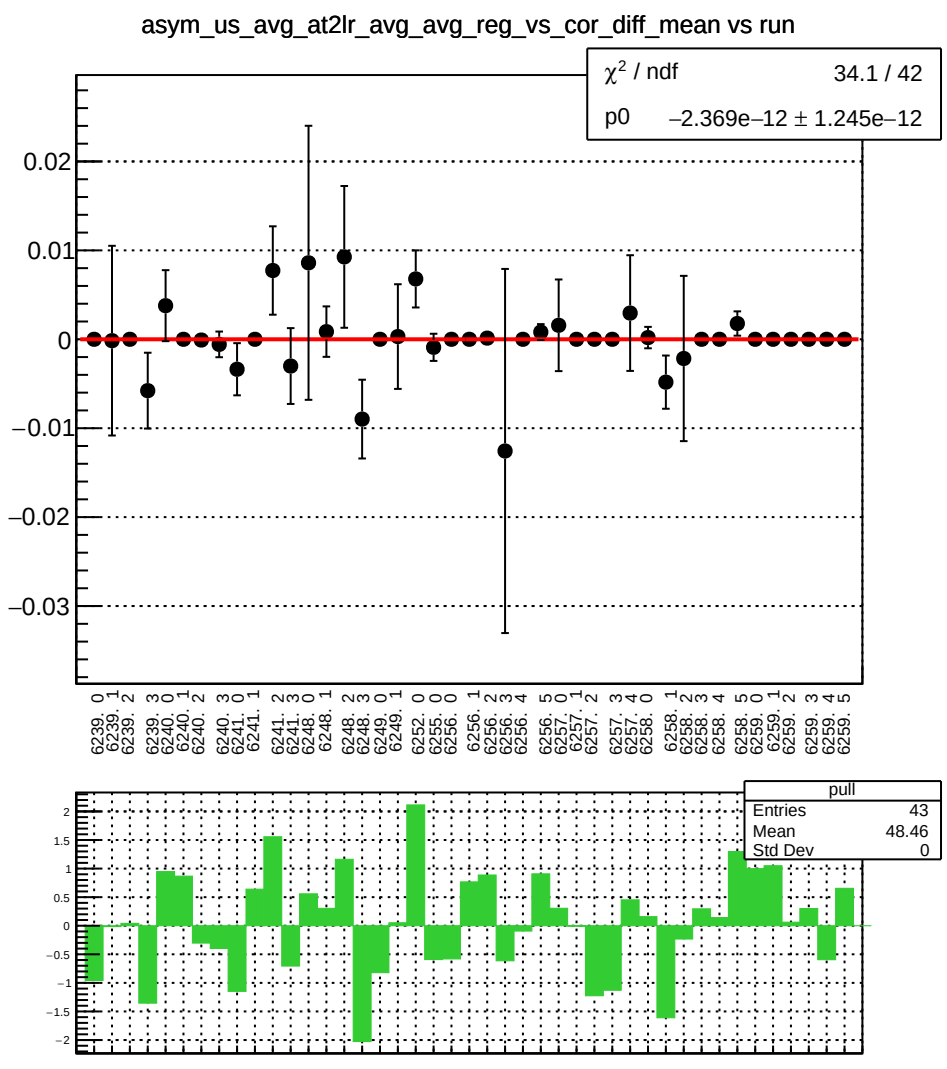

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.77 / 42
p0 −2063 ± 1.315e+04
300
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.31
Std Dev 0
2
1
0
−1
−2

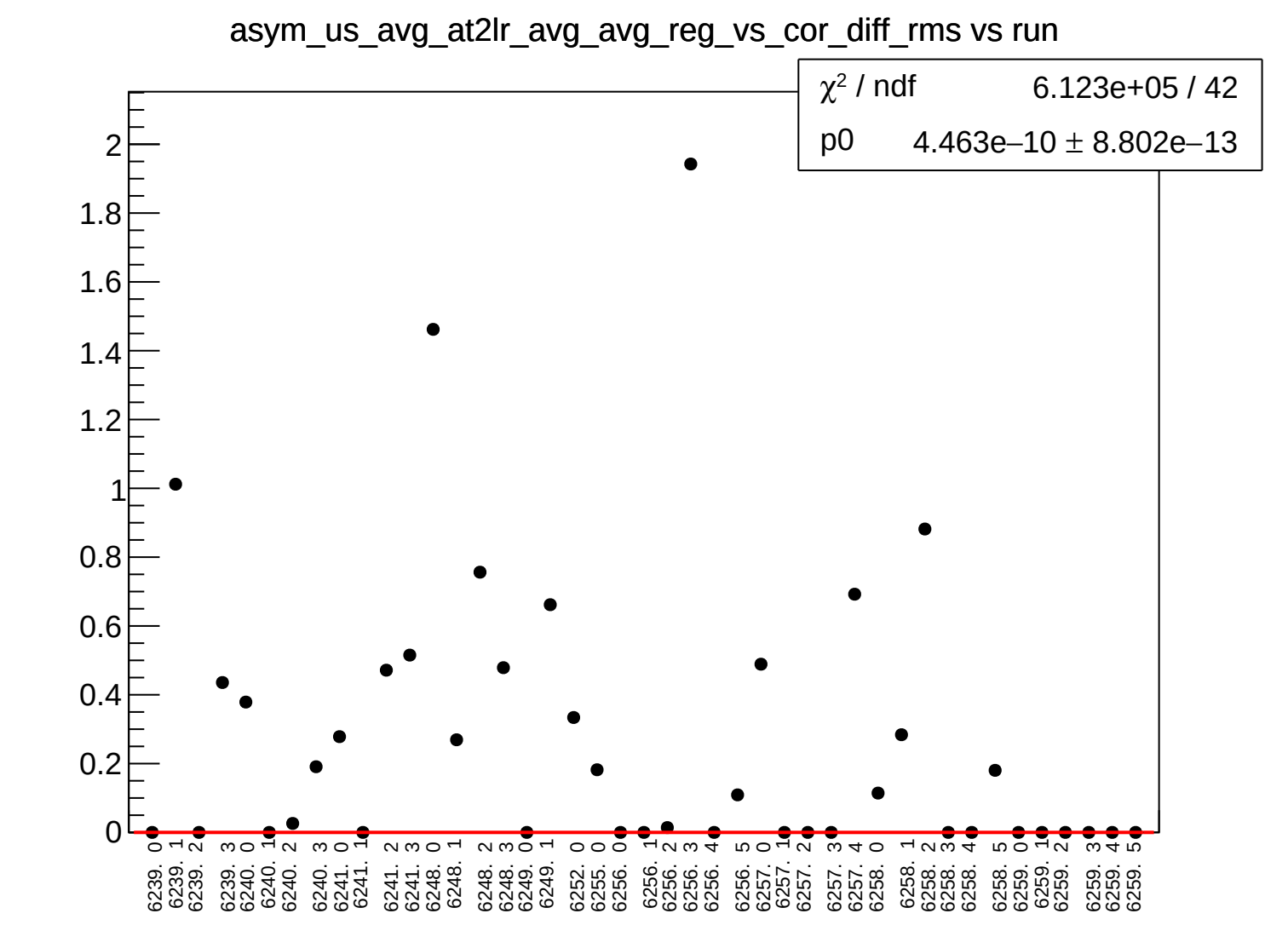

pull1D
Entries 43
Mean 0.03597
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

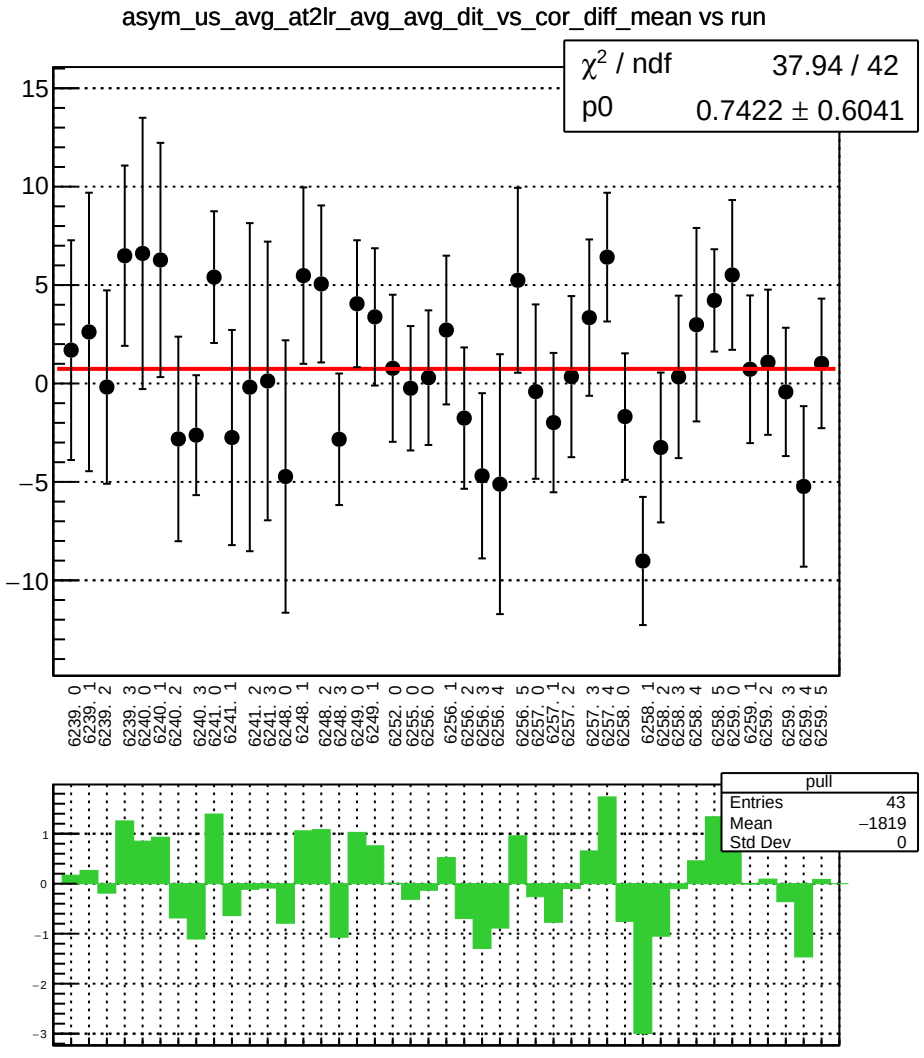

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1751 / 42
p0 8659 ± 9.296
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

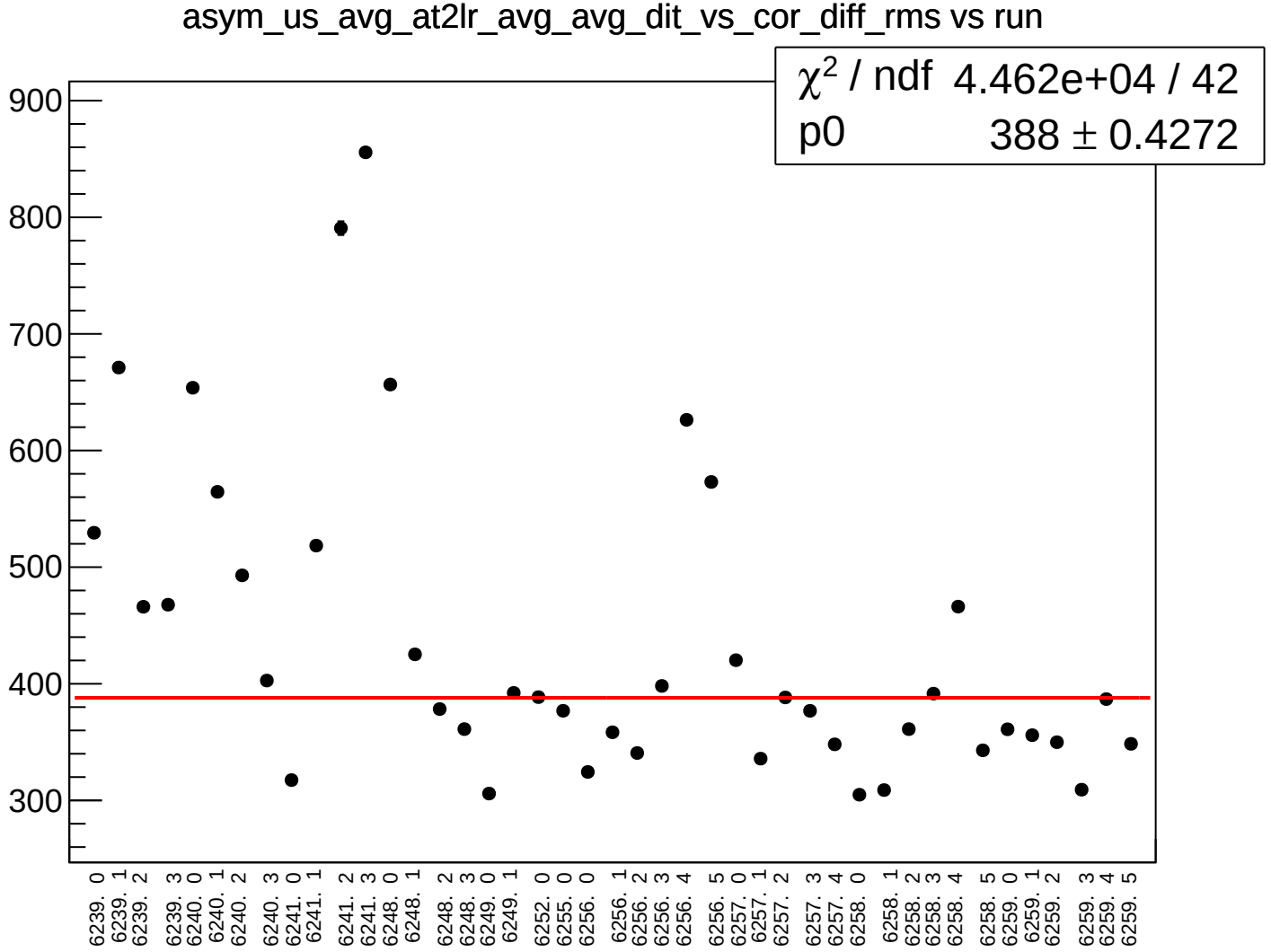

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 41.58 / 42
p0 8828 ± 1.344e+04
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 74.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03902
Std Dev 0.9826
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

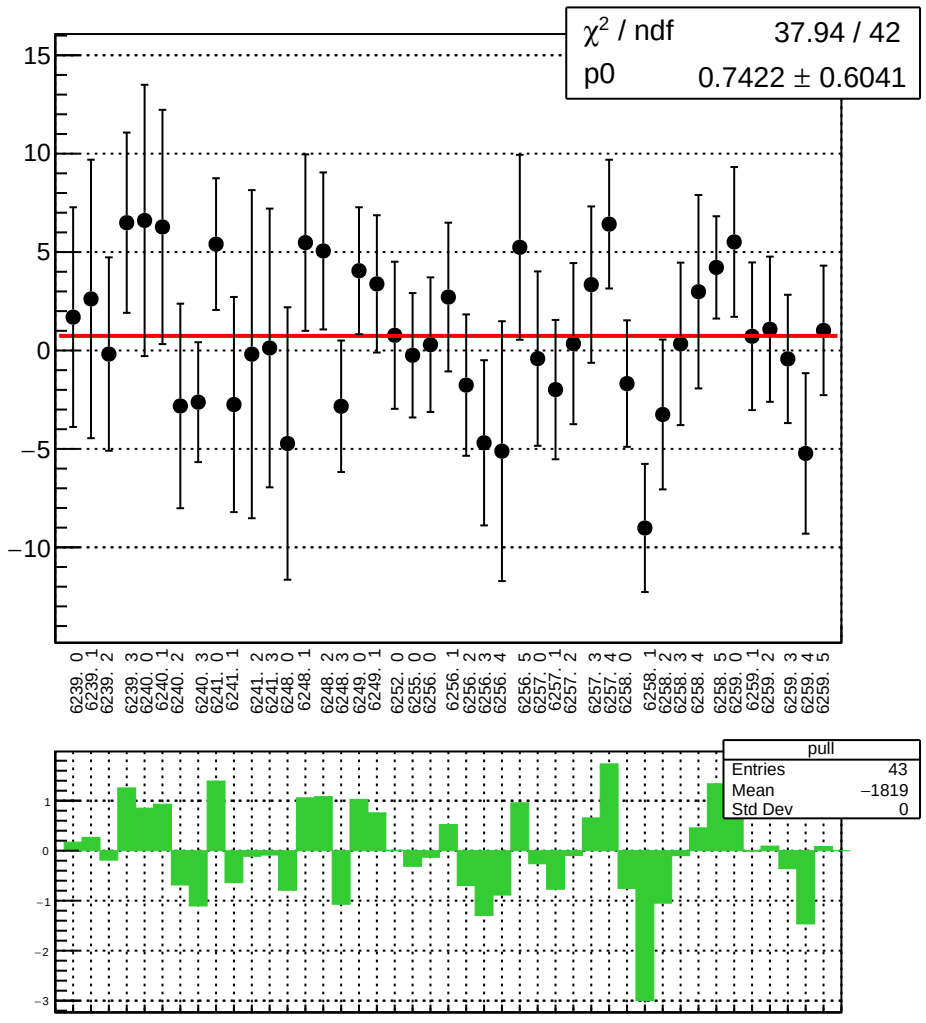

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1733 / 42
p0 8855 ± 9.506
10000
9500
9000
8500
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

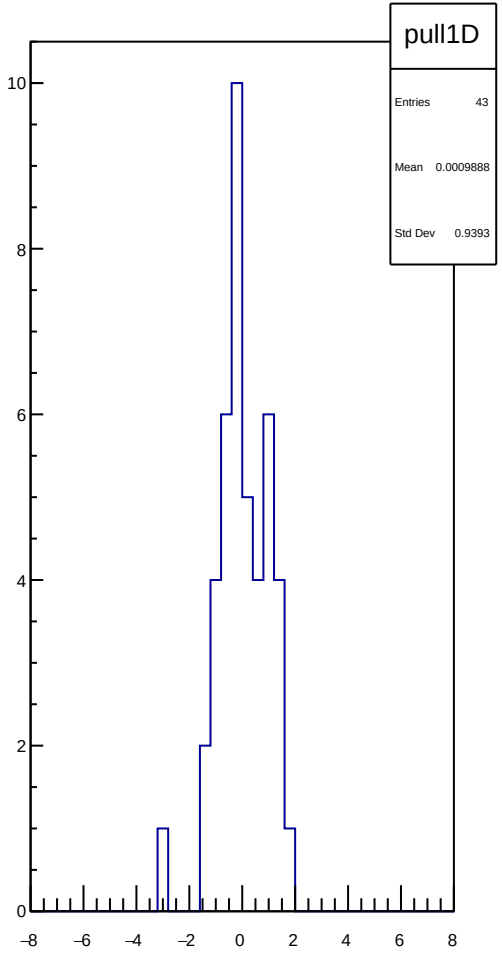

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.1 / 42
p0 −2.369e−12 ± 1.245e−12
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.04921
Std Dev 0.8892
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

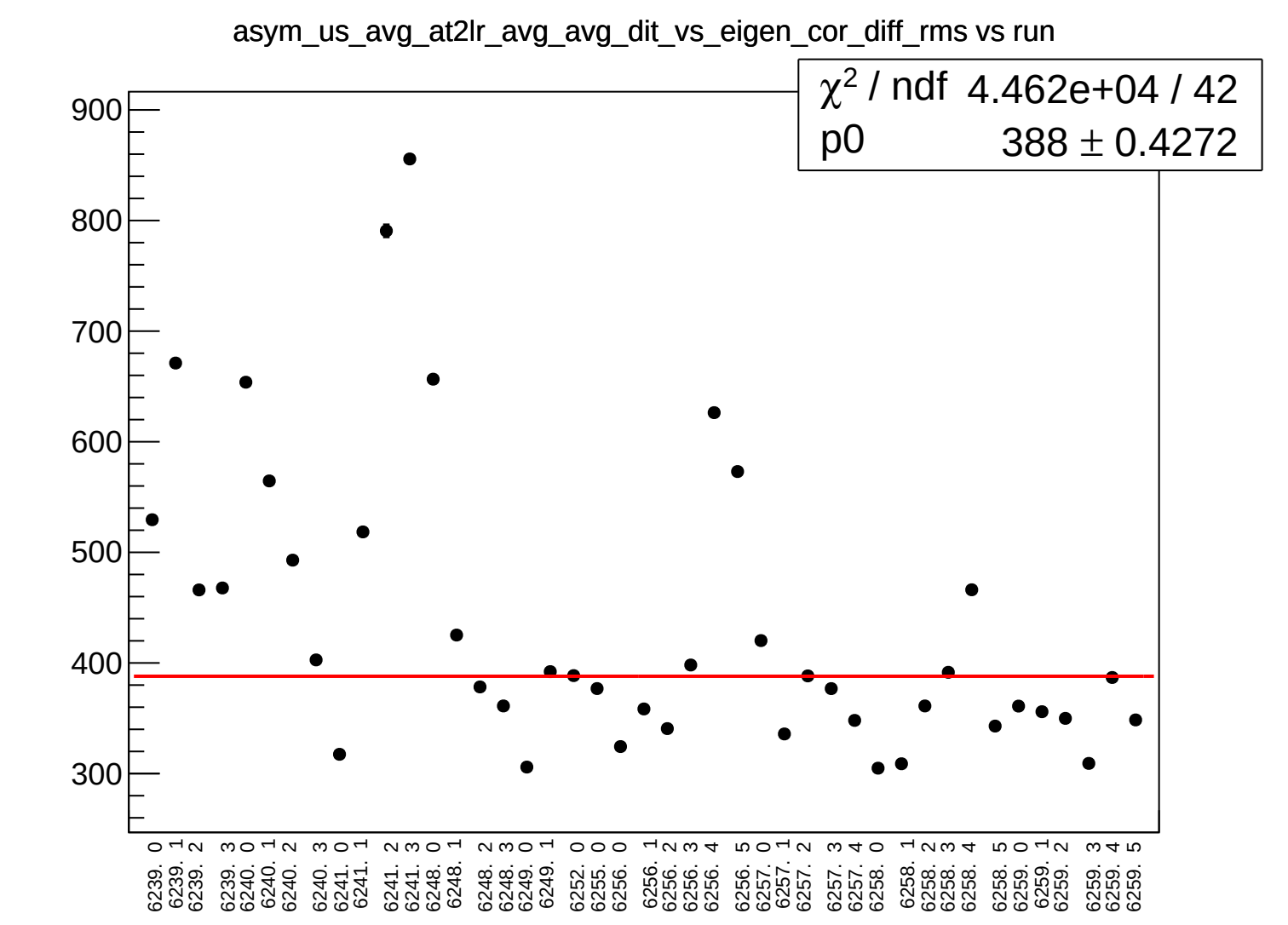

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.123e+05 / 42
p0 4.463e−10 ± 8.802e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

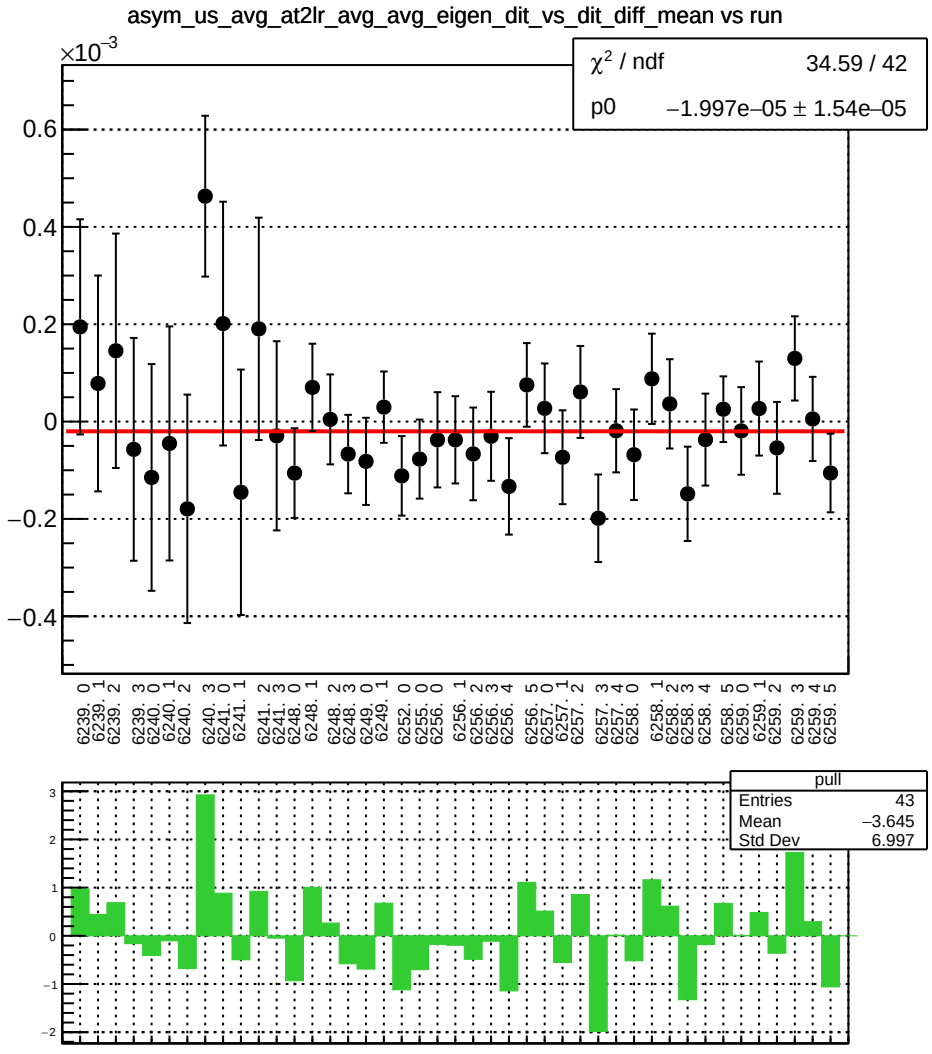

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.7422 ± 0.6041
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1819
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0009888
Std Dev 0.9393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

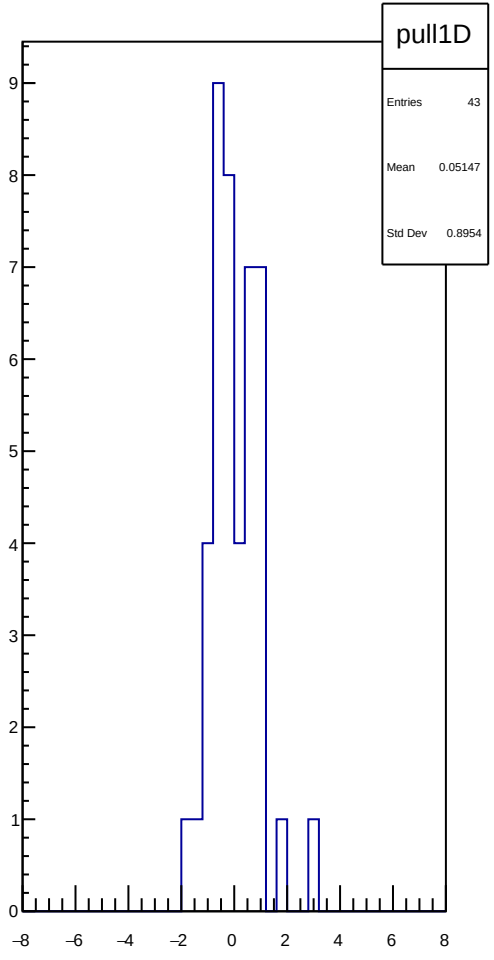

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.462e+04 / 42
p0 388 ± 0.4272
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

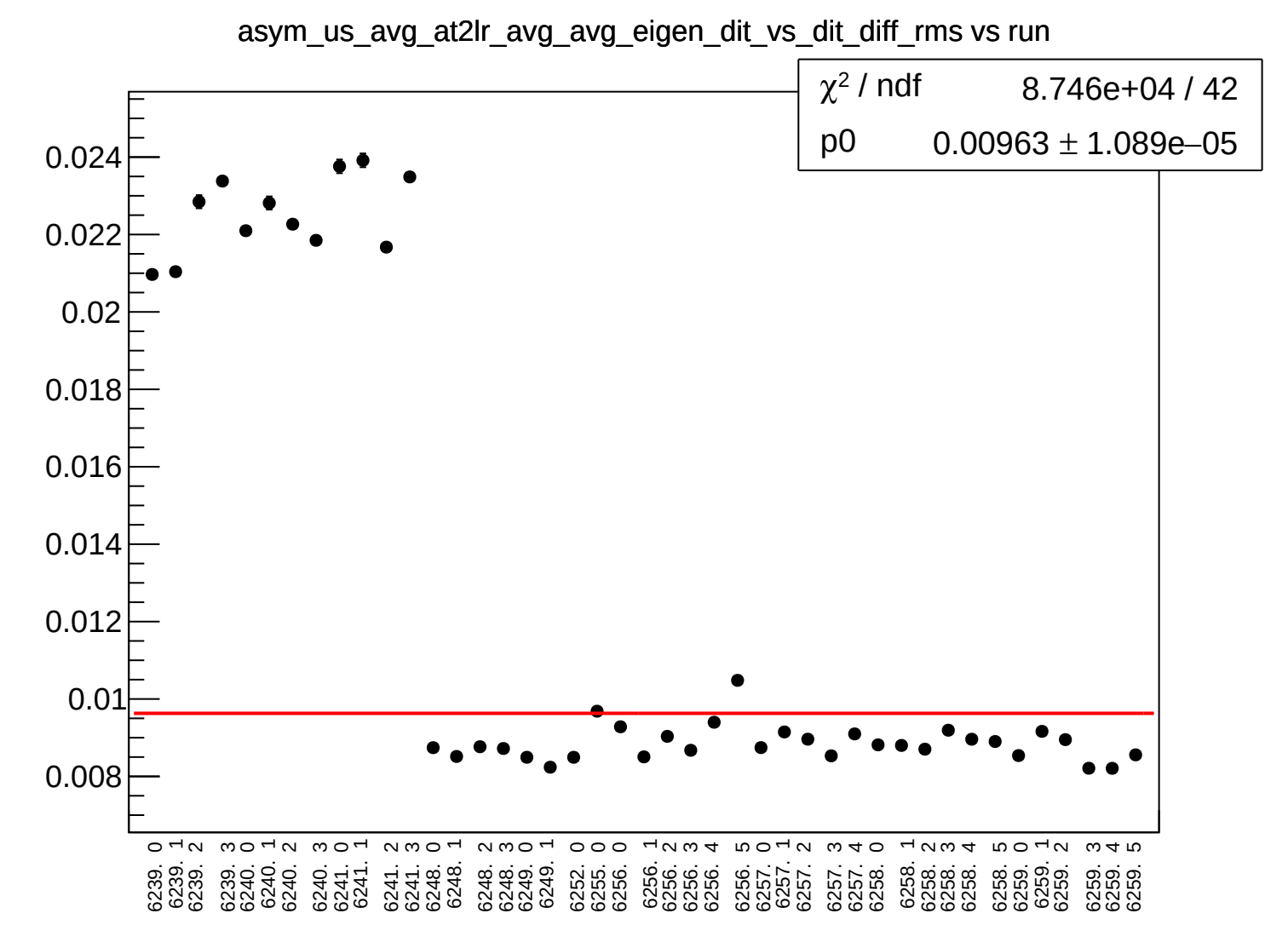

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.7422 ± 0.6041
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1819
Std Dev 0
1
0
−1
−2
−3

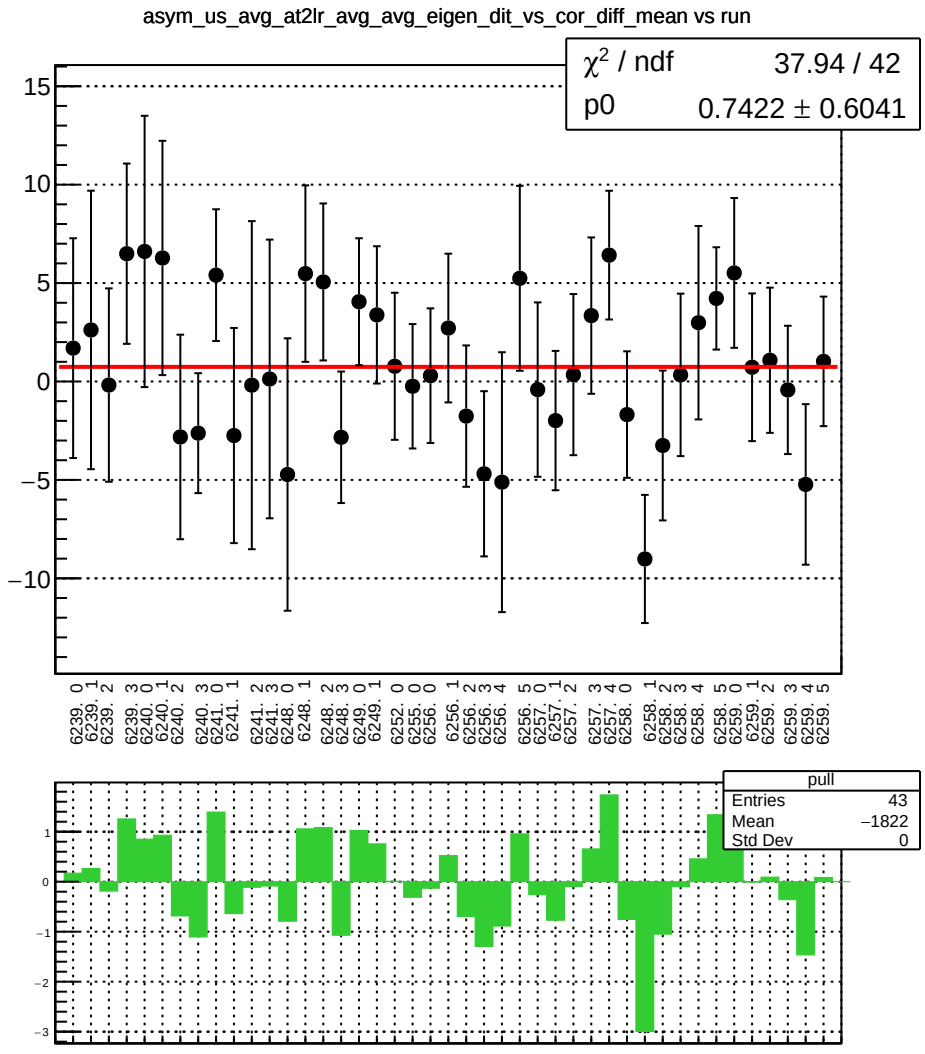

pull1D
Entries 43
Mean 0.0009888
Std Dev 0.9393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

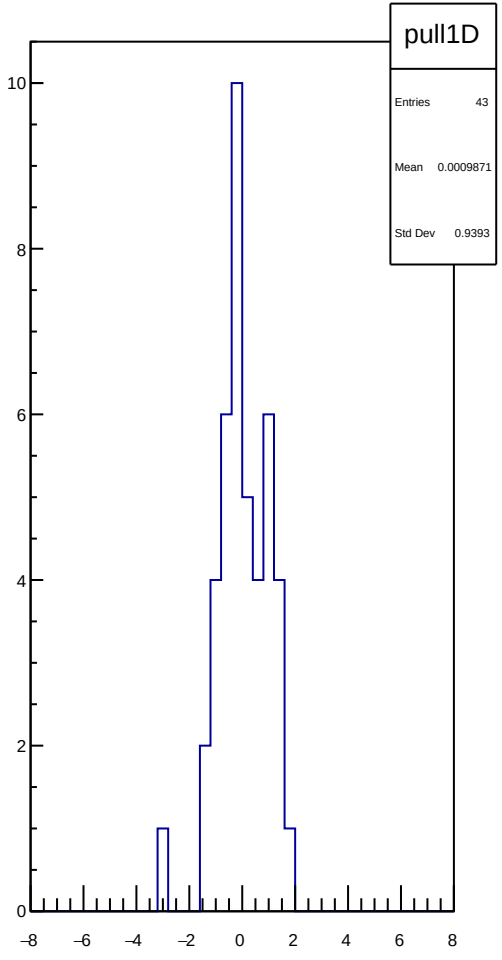

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.462e+04 / 42
p0 388 ± 0.4272
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

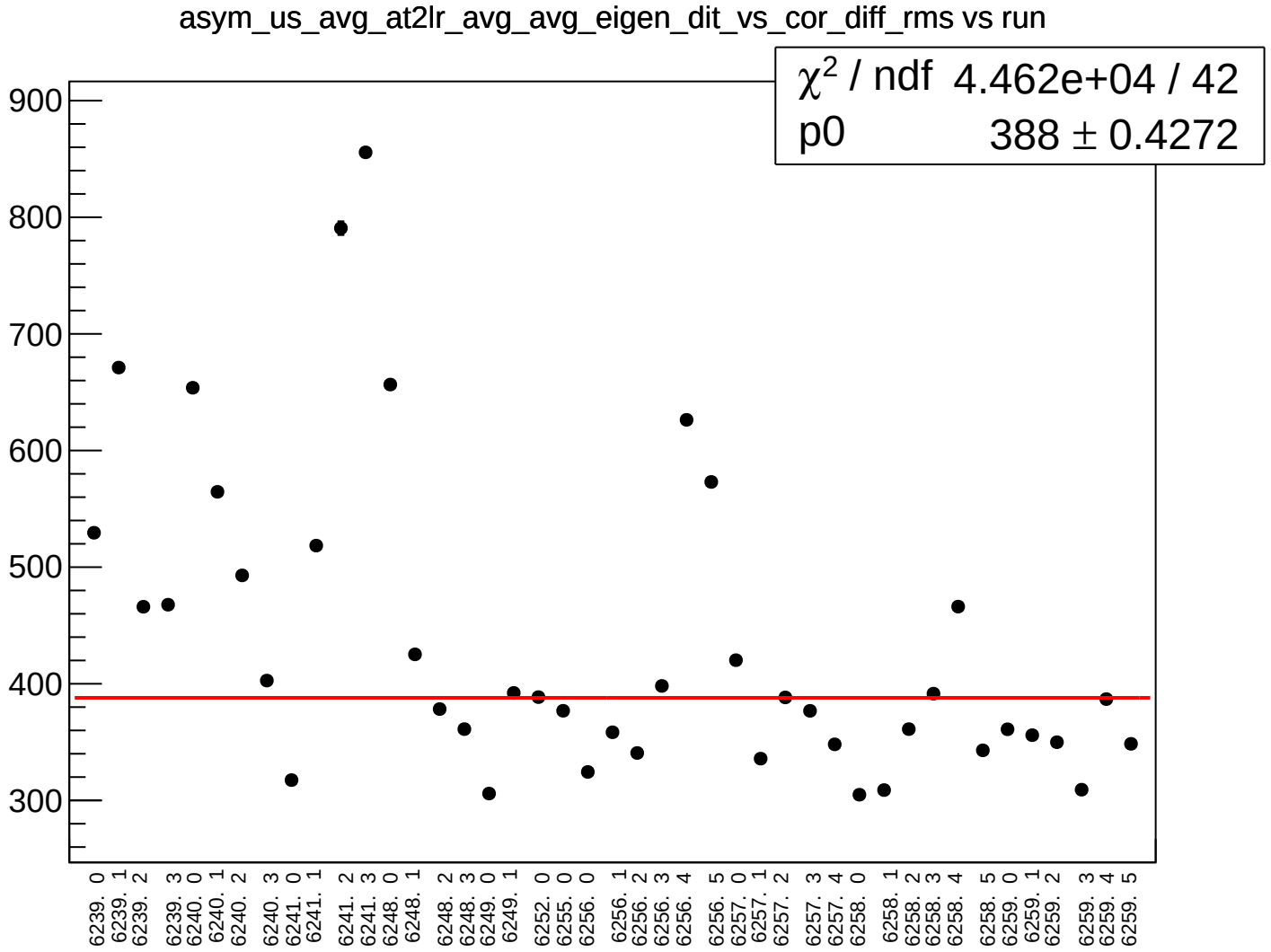

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.59 / 42
p0 −1.997e−05 ± 1.54e−05
0.6
0.4
0.2
0
−0.2
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −3.645
Std Dev 6.997
3
2
1
0
−1
−2

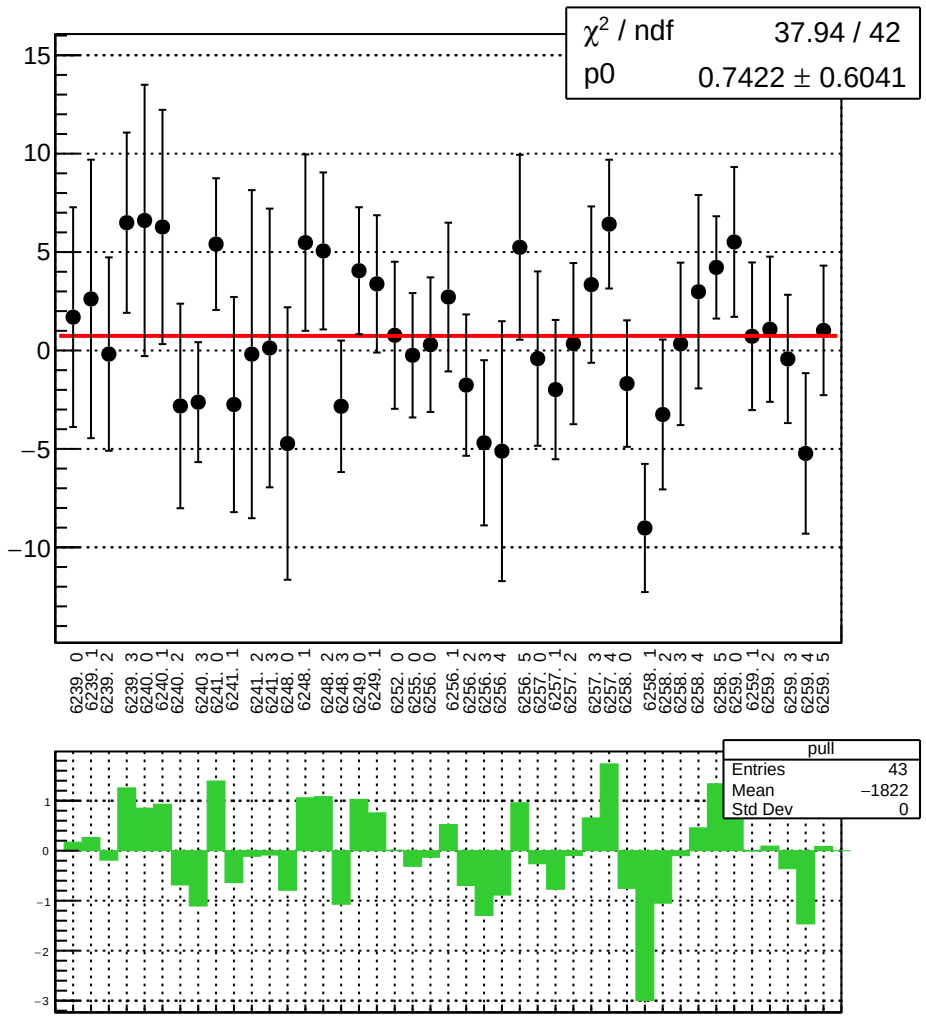

pull1D
Entries 43
Mean 0.05147
Std Dev 0.8954
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

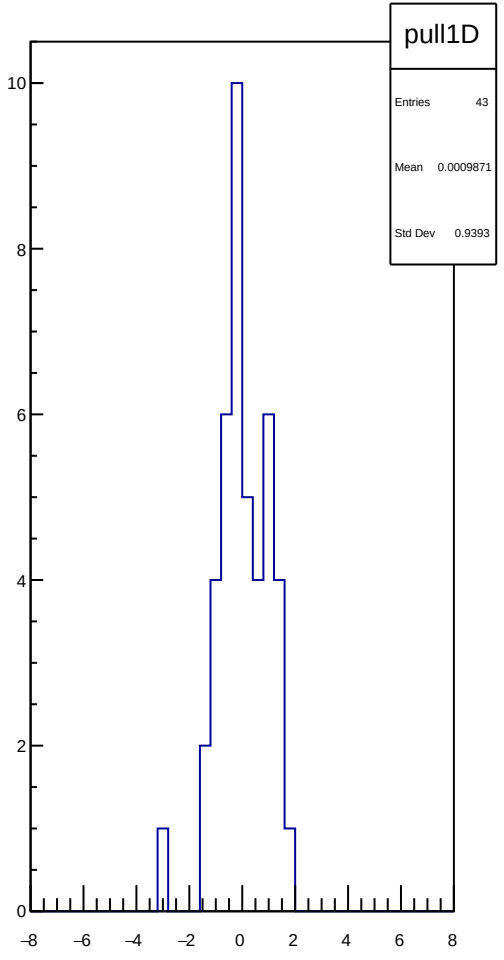

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.746e+04 / 42
p0 0.00963 ± 1.089e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

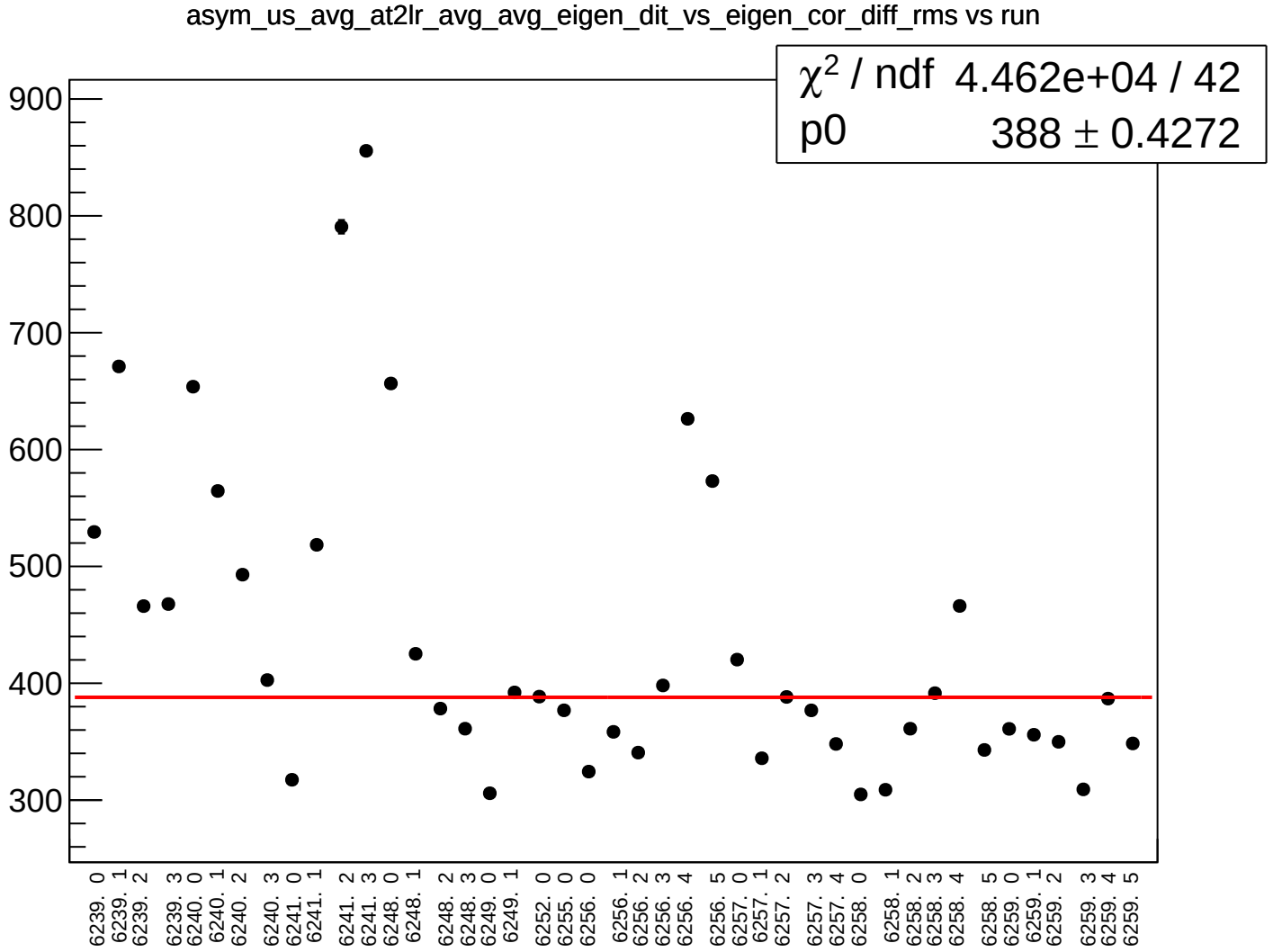

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.7422 ± 0.6041
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1822
Std Dev 0
1
0
−1
−2
−3

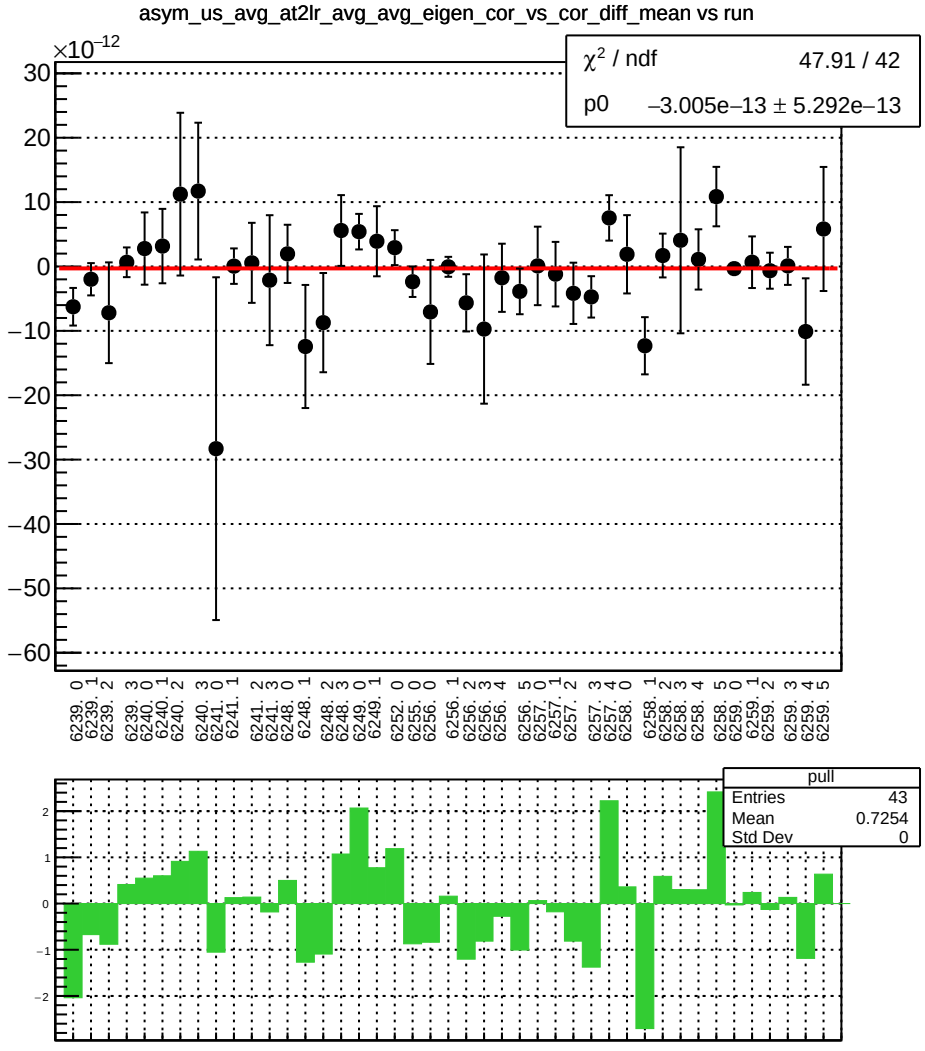

pull1D
Entries 43
Mean 0.0009871
Std Dev 0.9393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

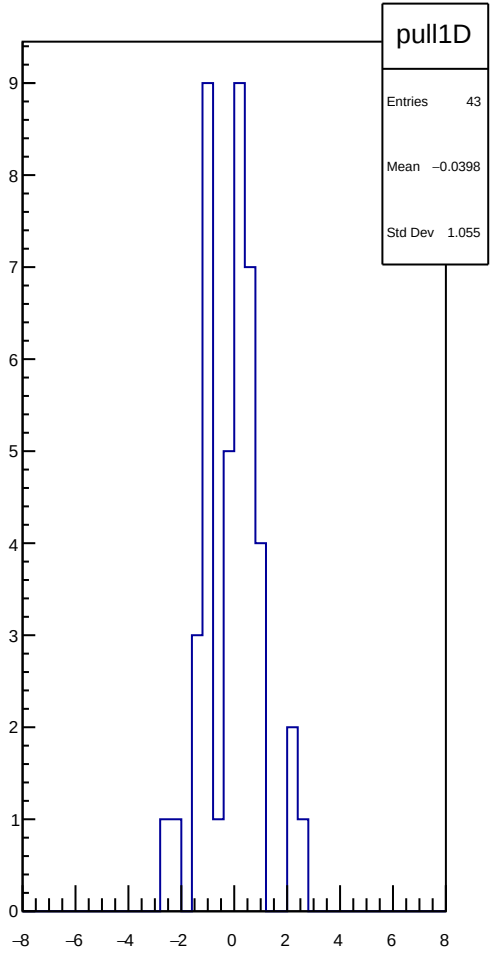

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.462e+04 / 42
p0 388 ± 0.4272
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

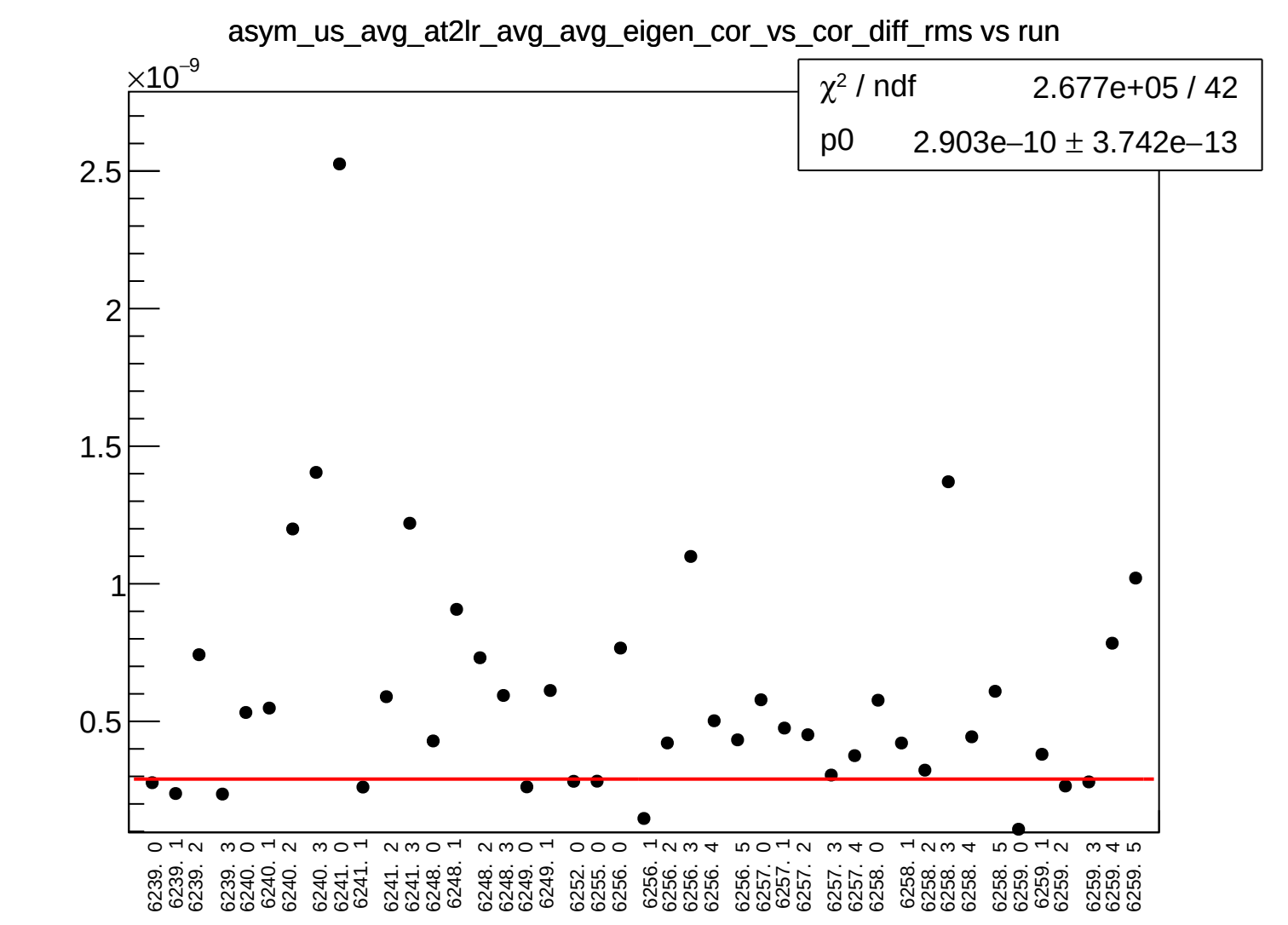

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.94 / 42
p0 0.7422 ± 0.6041
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1822
Std Dev 0
1
0
−1
−2
−3

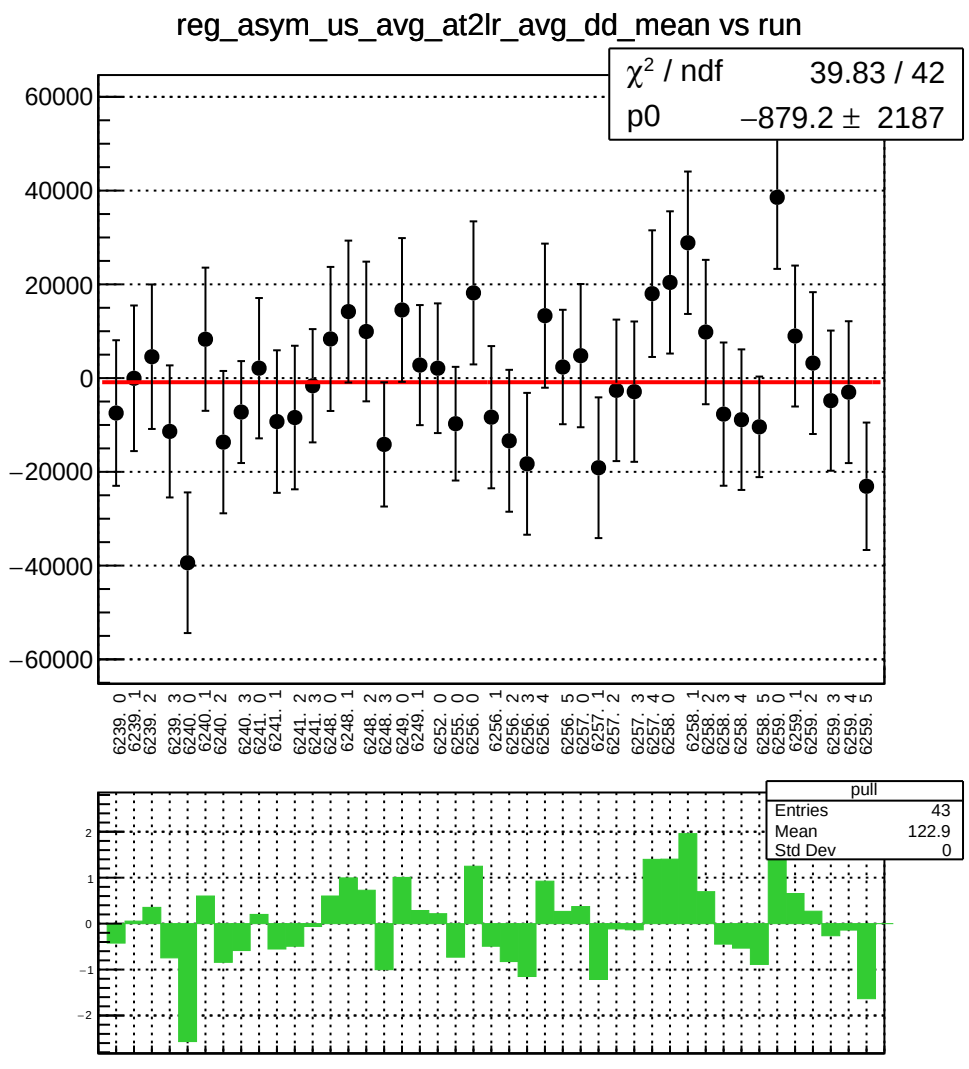

pull1D
Entries 43
Mean 0.0009871
Std Dev 0.9393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

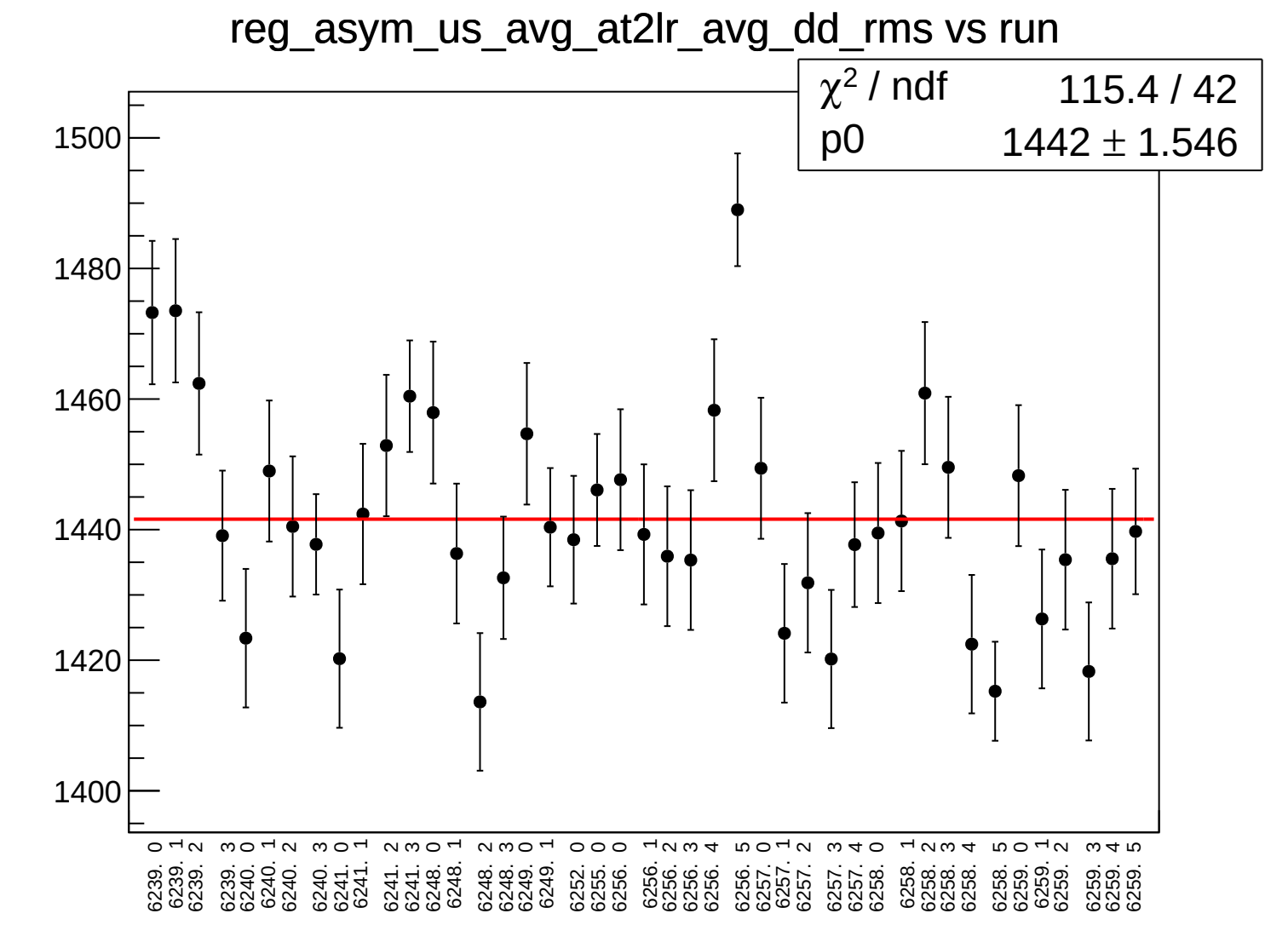

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.462e+04 / 42
p0 388 ± 0.4272
900
800
700
600
500
400
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

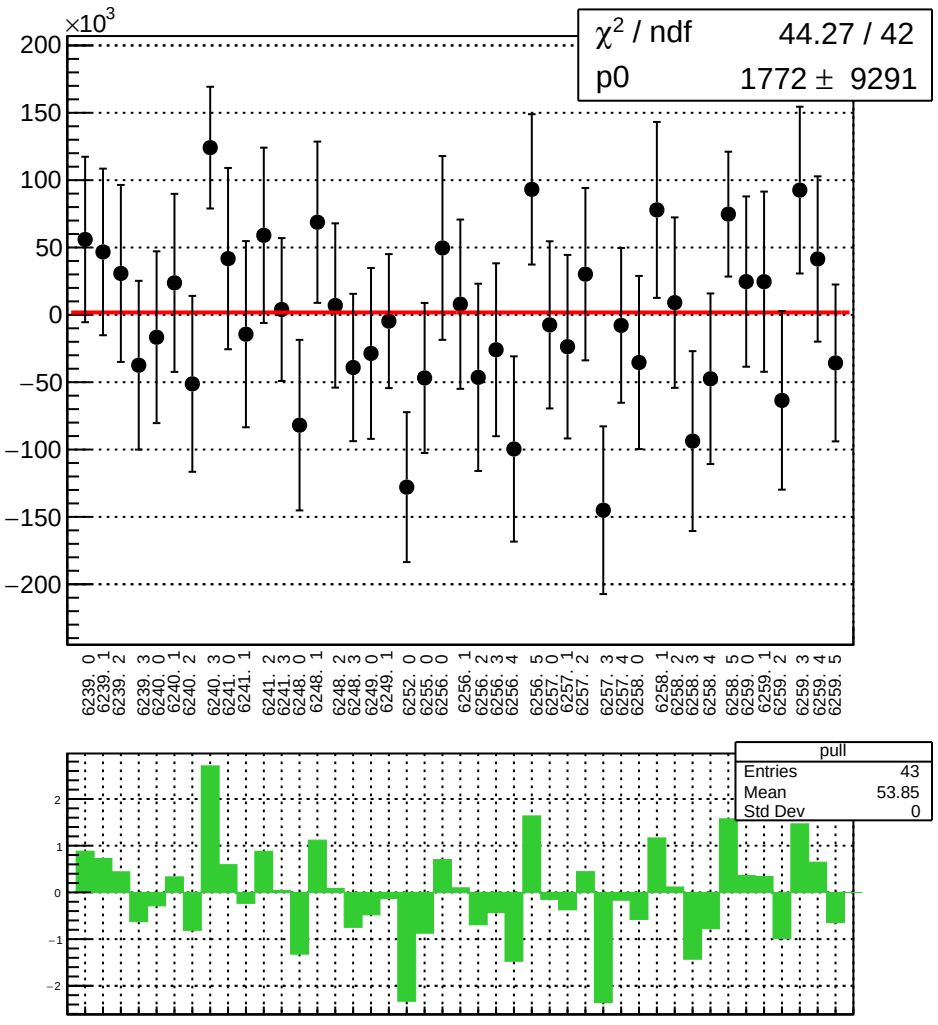

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.91 / 42
p0 −3.005e−13 ± 5.292e−13
30
20
10
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 0.7254
Std Dev 0
2
1
0
−1
−2

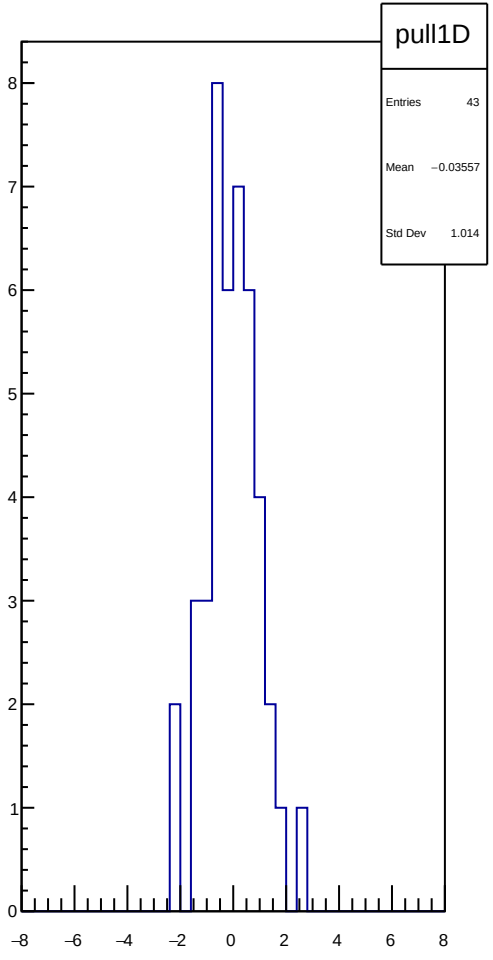

pull1D
Entries 43
Mean −0.0398
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

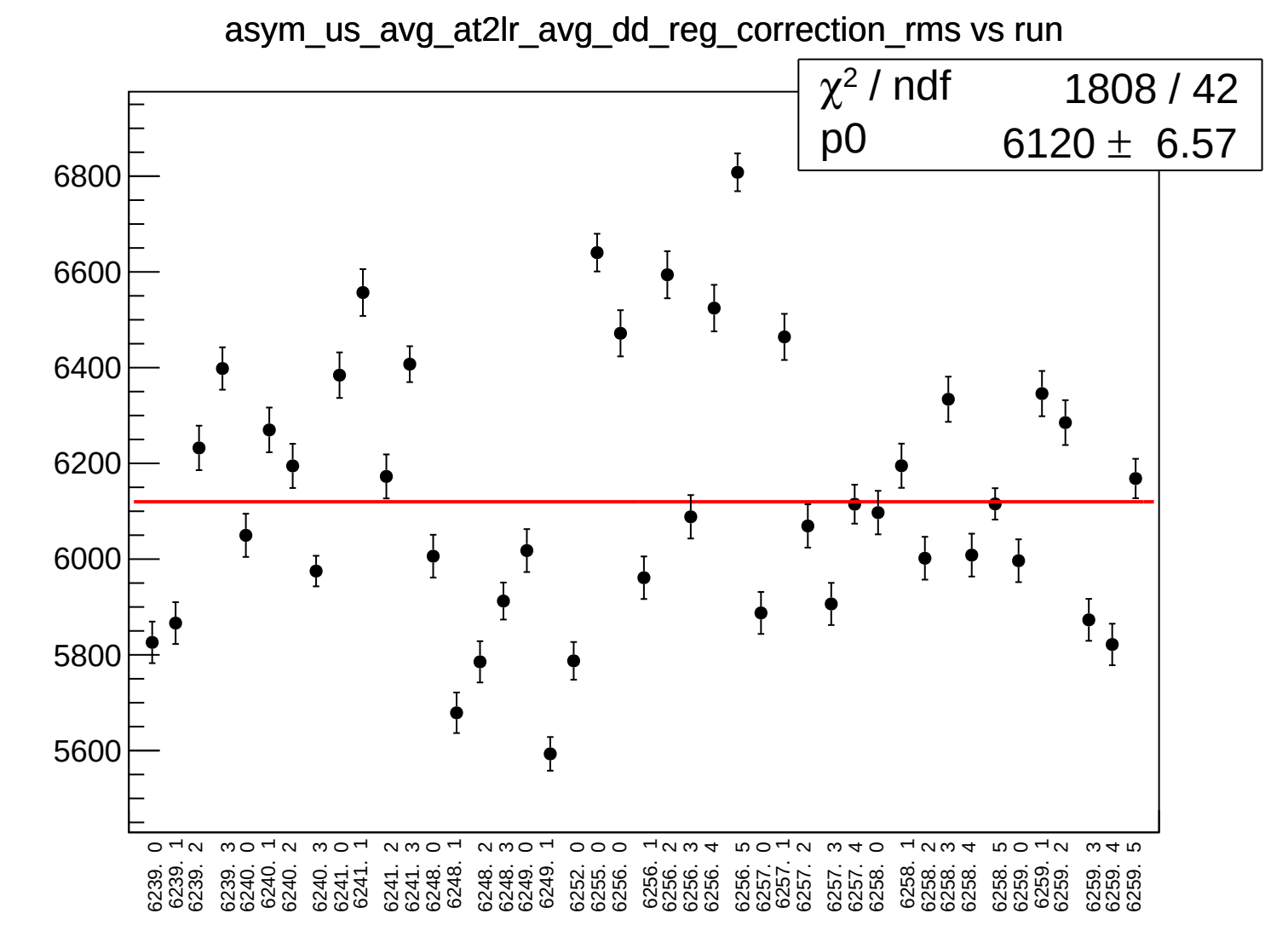

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.677e+05 / 42
p0 2.903e−10 ± 3.742e−13
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

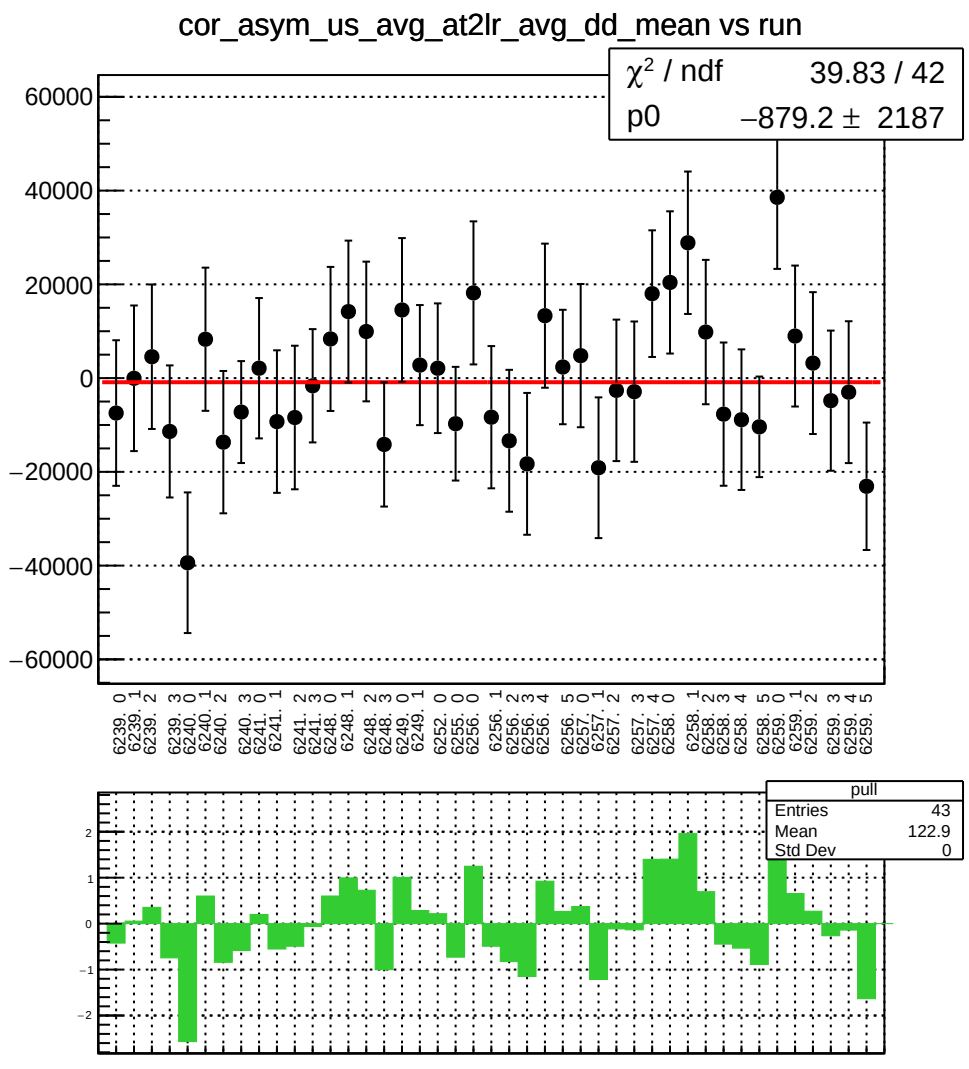

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 39.83 / 42
p0 −879.2 ± 2187
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 122.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.0227
Std Dev 0.9621
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

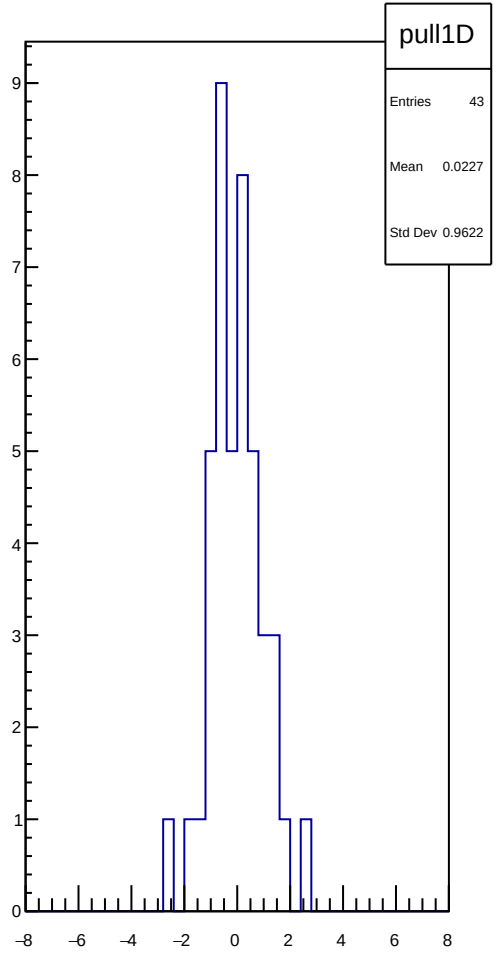

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 115.4 / 42
p0 1442 ± 1.546
1500
1480
1460
1440
1420
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

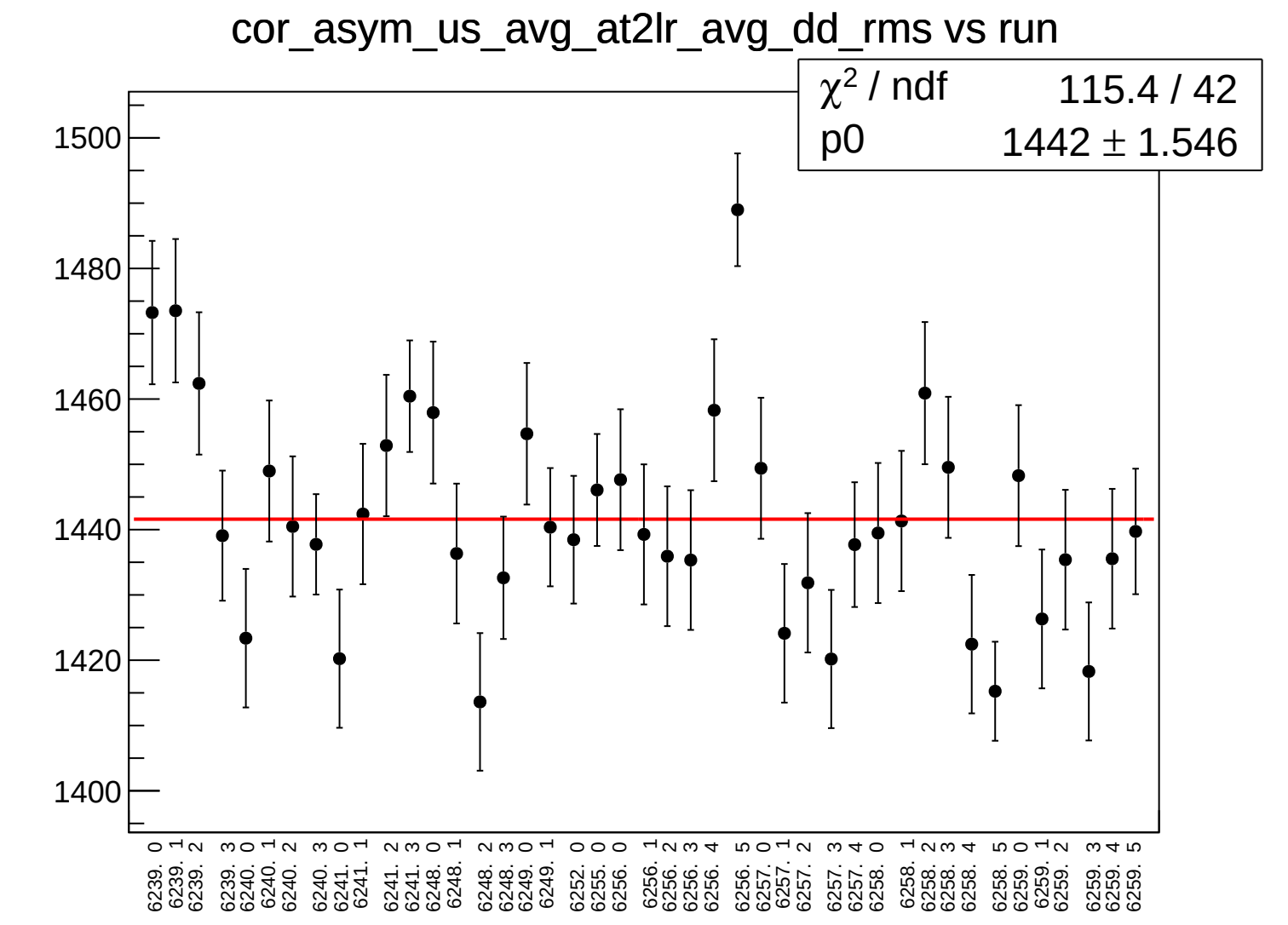

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 44.27 / 42
p0 1772 ± 9291
200
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 53.85
Std Dev 0
2
1
0
−1
−2

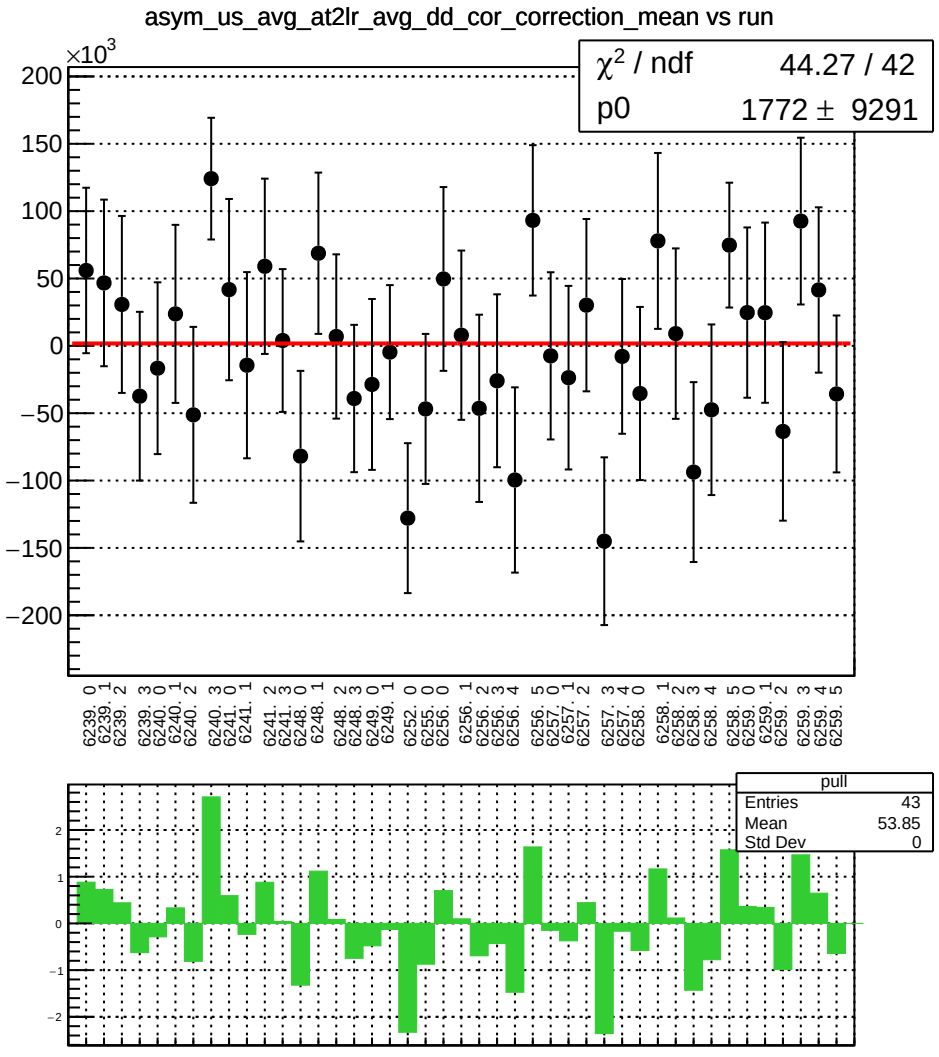

pull1D
Entries 43
Mean −0.03557
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

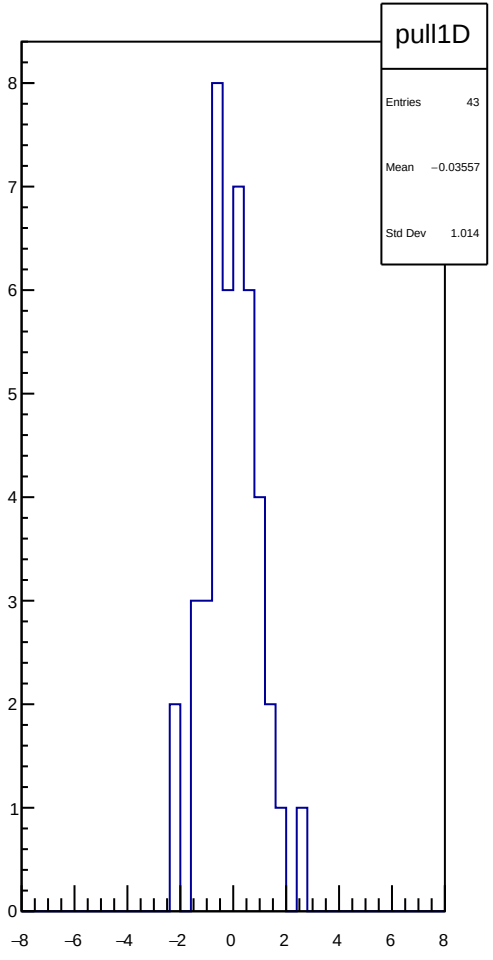

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1808 / 42
p0 6120 ± 6.57
6800
6600
6400
6200
6000
5800
5600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

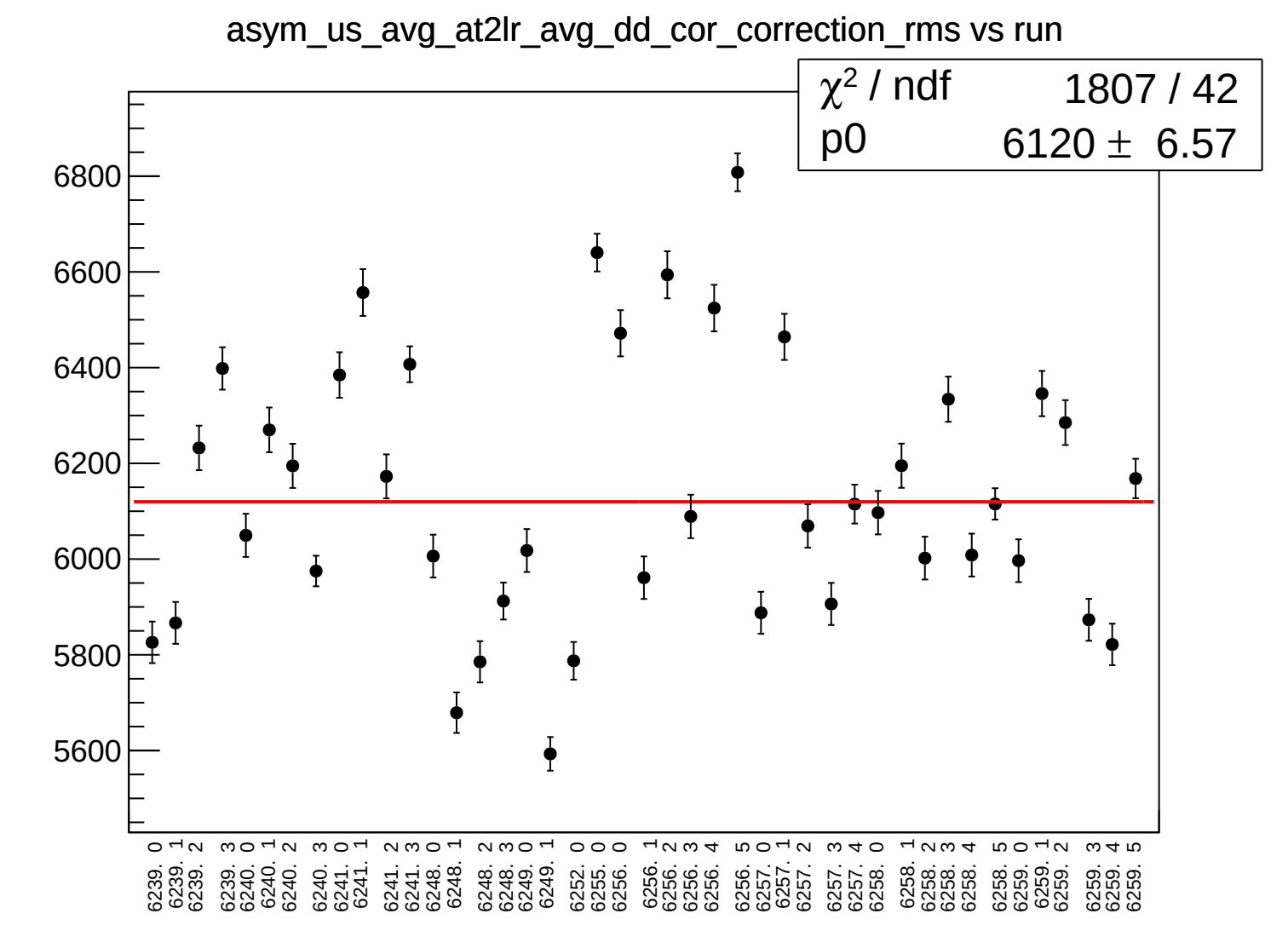

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 39.83 / 42
p0 −879.2 ± 2187
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 122.9
Std Dev 0
2
1
0
−1
−2

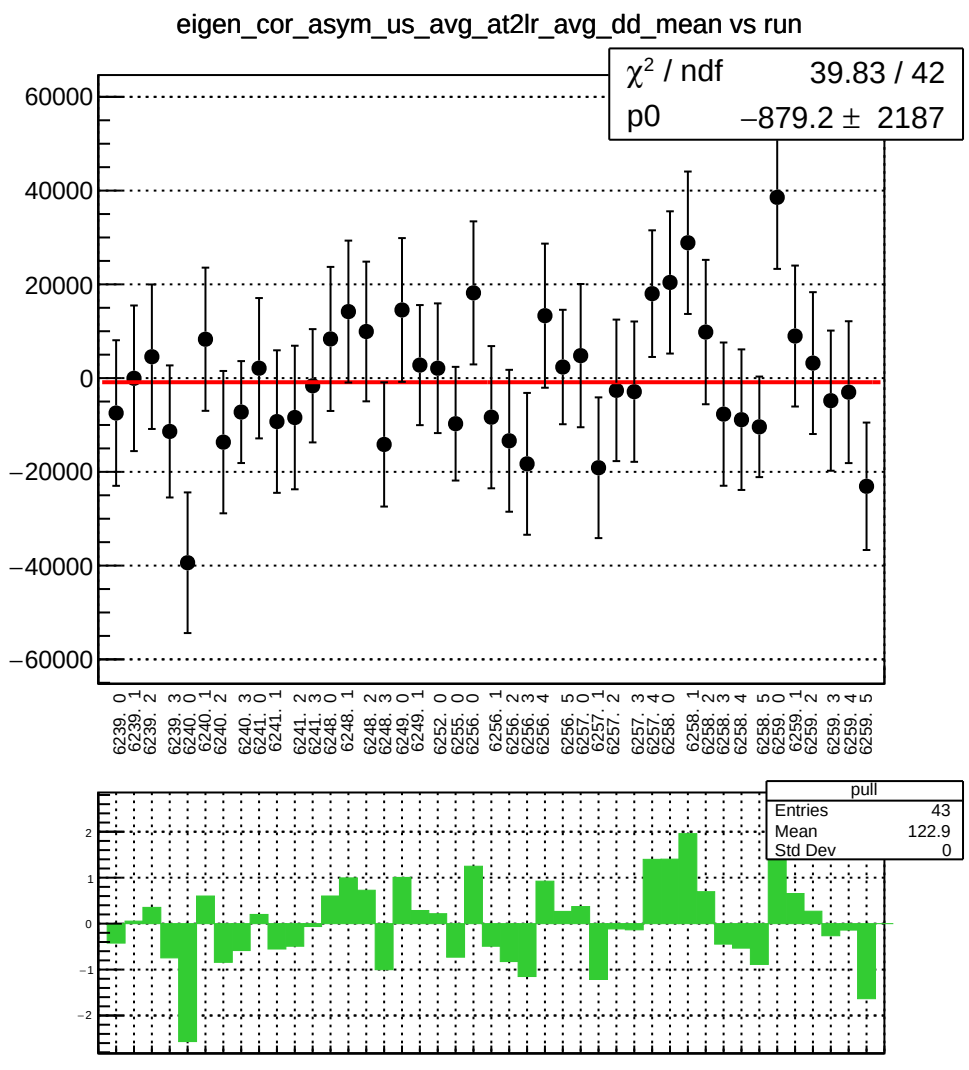

pull1D
Entries 43
Mean 0.0227
Std Dev 0.9622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

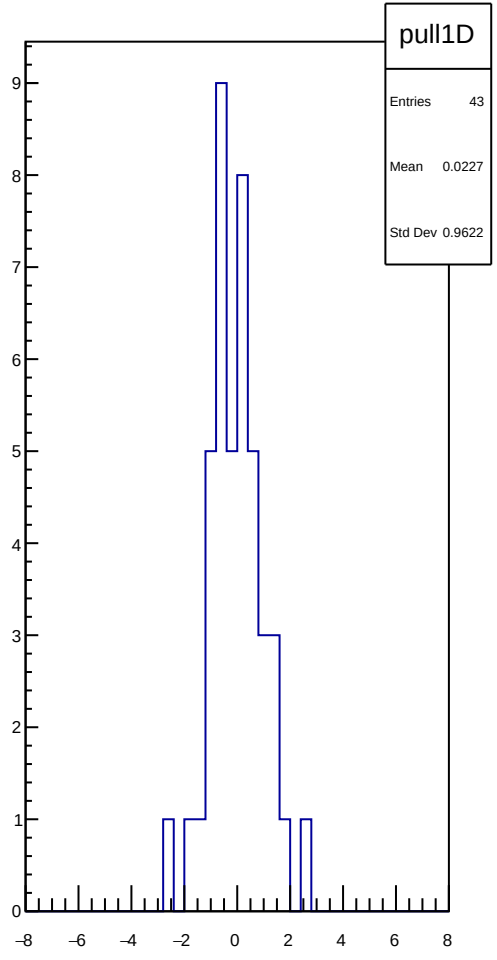

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 115.4 / 42
p0 1442 ± 1.546
1500
1480
1460
1440
1420
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

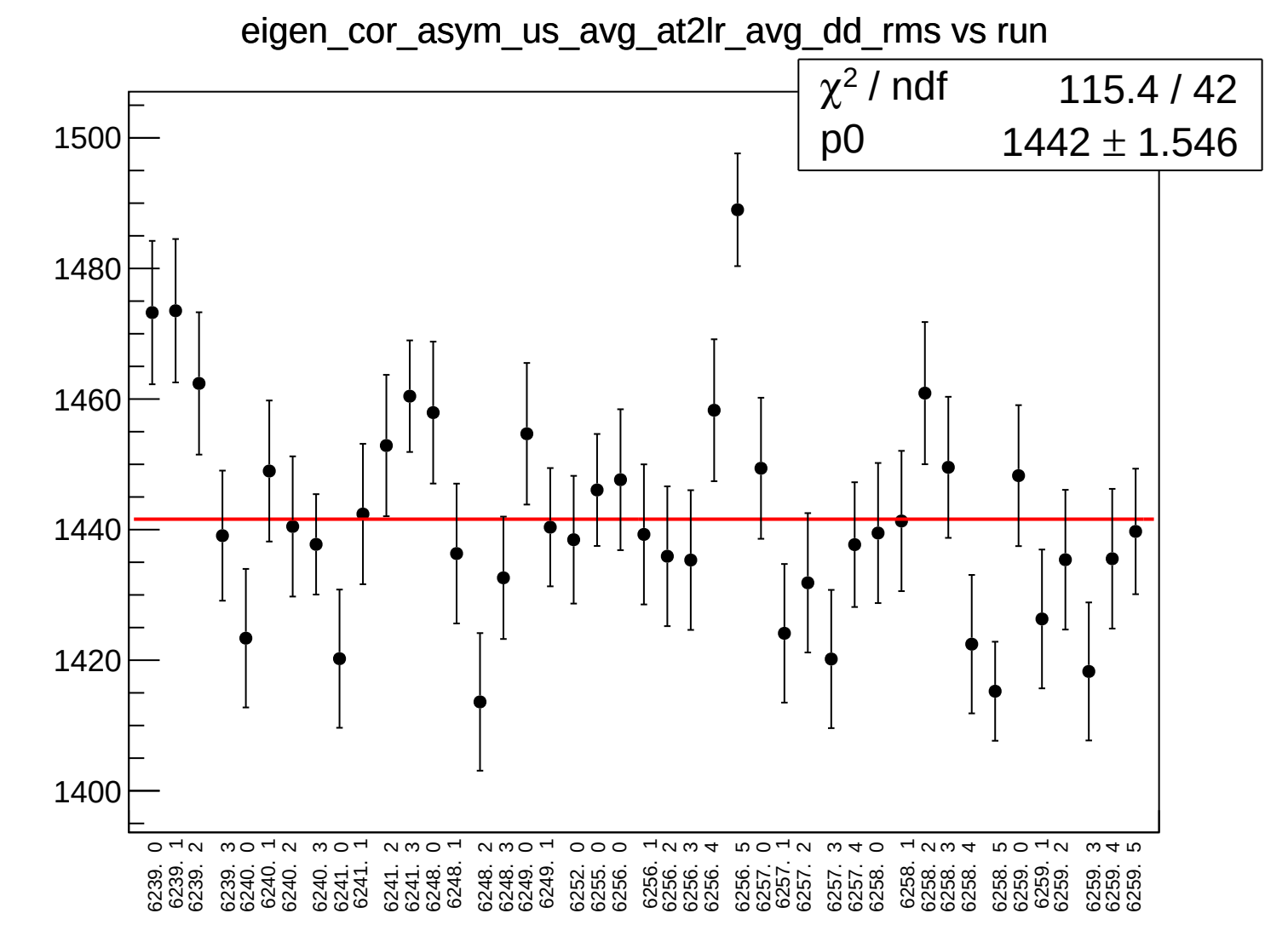

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 44.27 / 42
p0 1772 ± 9291
200
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 53.85
Std Dev 0
2
1
0
−1
−2

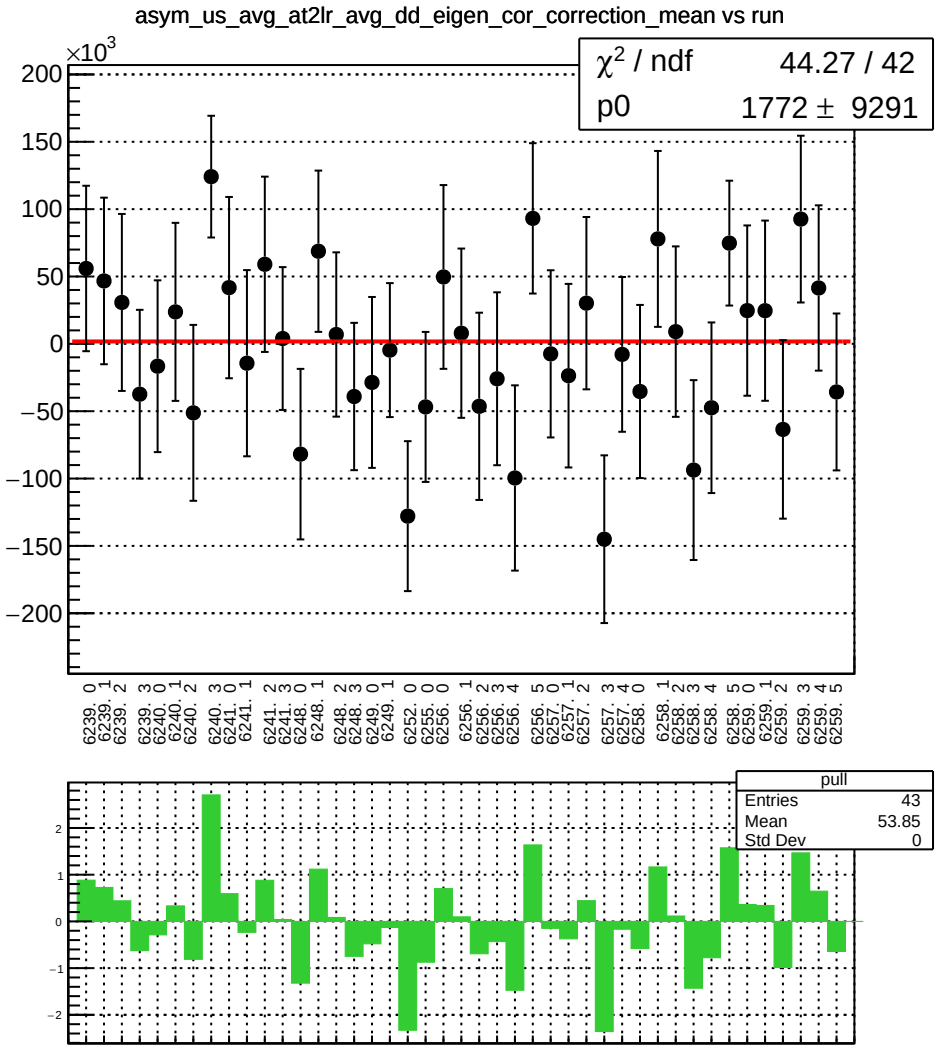

pull1D
Entries 43
Mean −0.03557
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

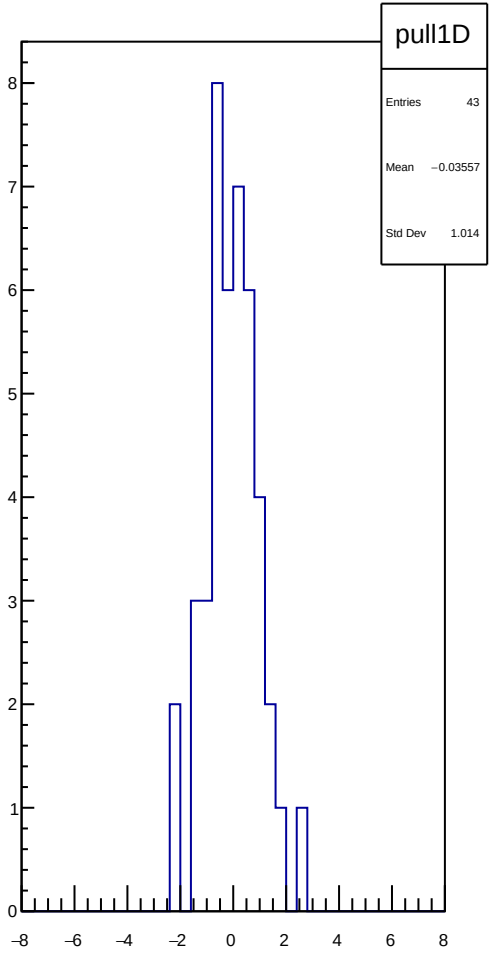

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1807 / 42
p0 6120 ± 6.57
6800
6600
6400
6200
6000
5800
5600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

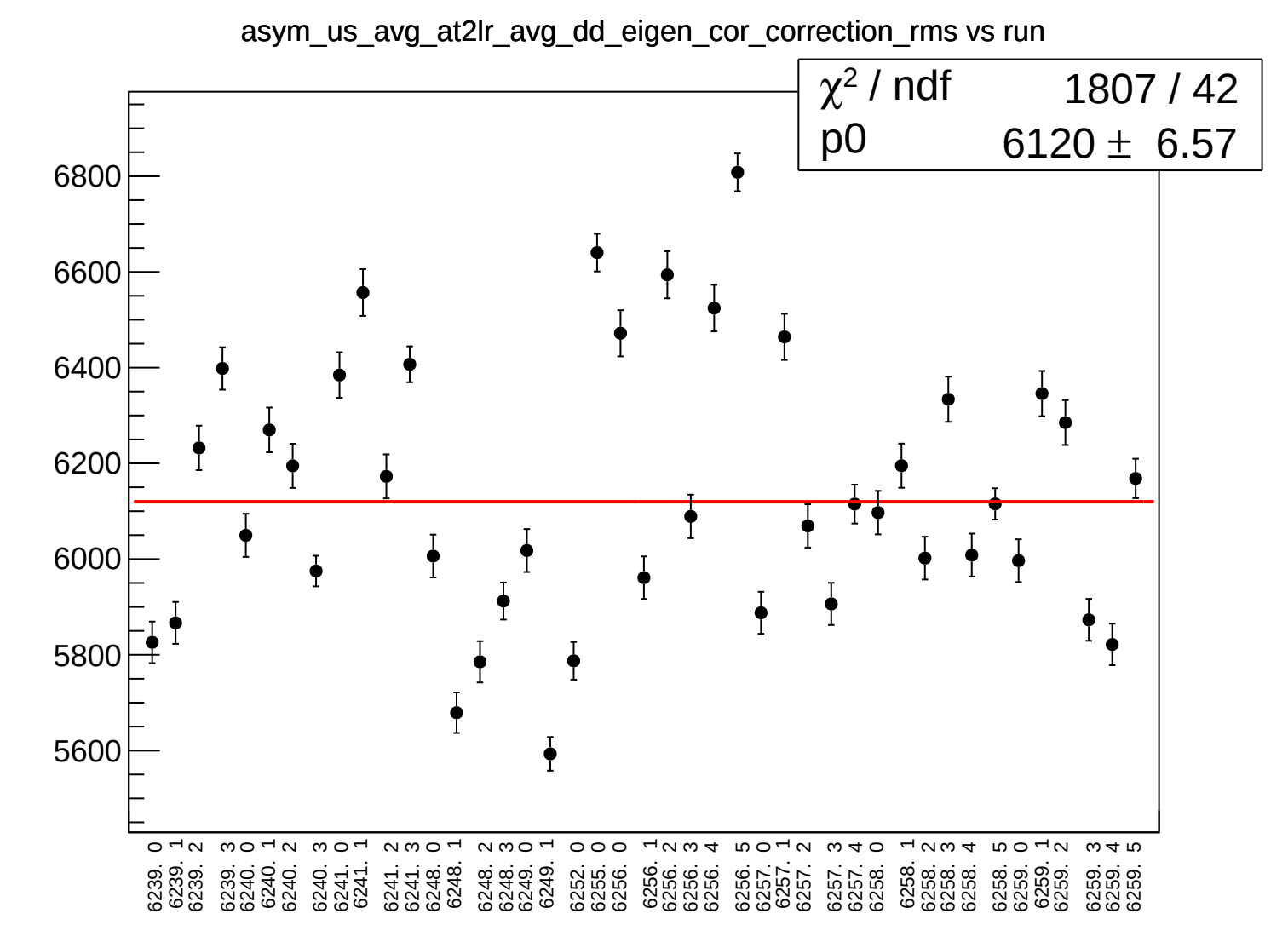

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 39.83 / 42
p0 −879.2 ± 2187
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 122.9
Std Dev 0
2
1
0
−1
−2

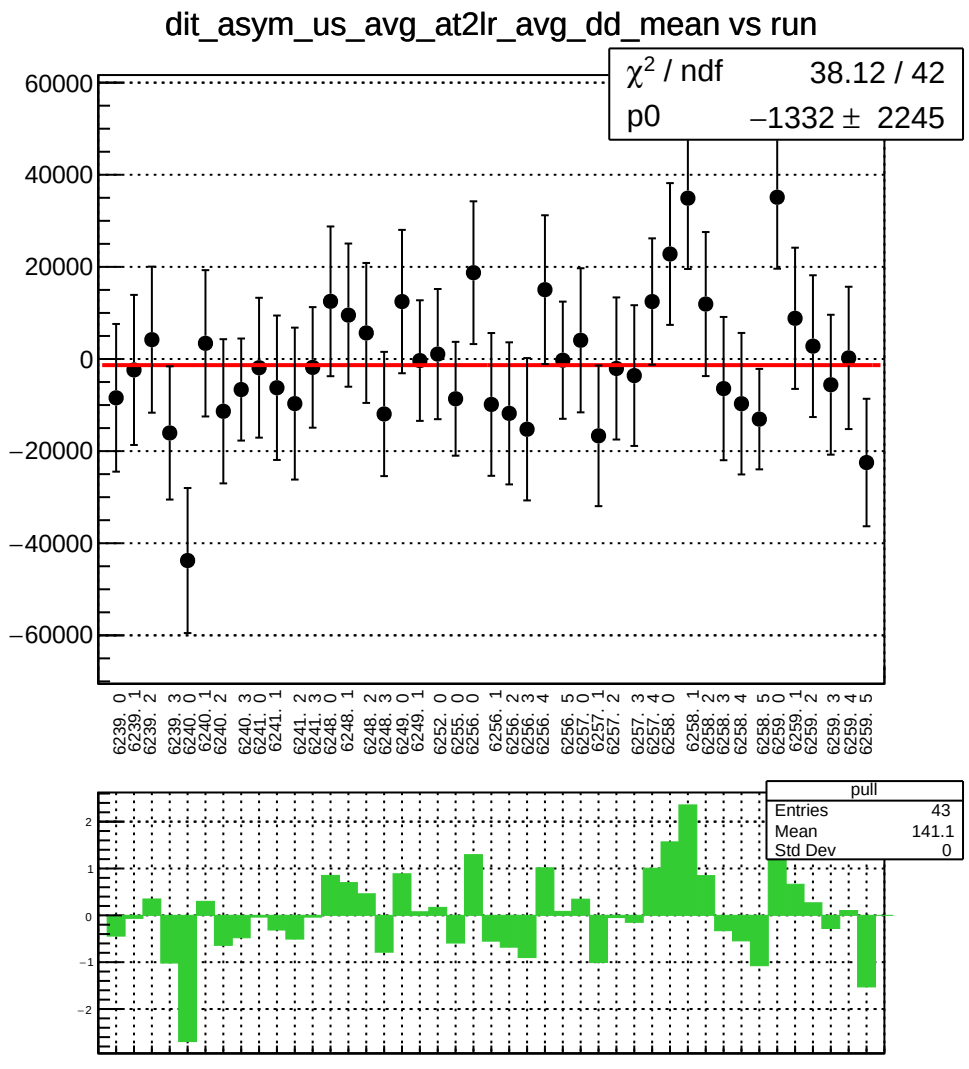

pull1D
Entries 43
Mean 0.0227
Std Dev 0.9622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

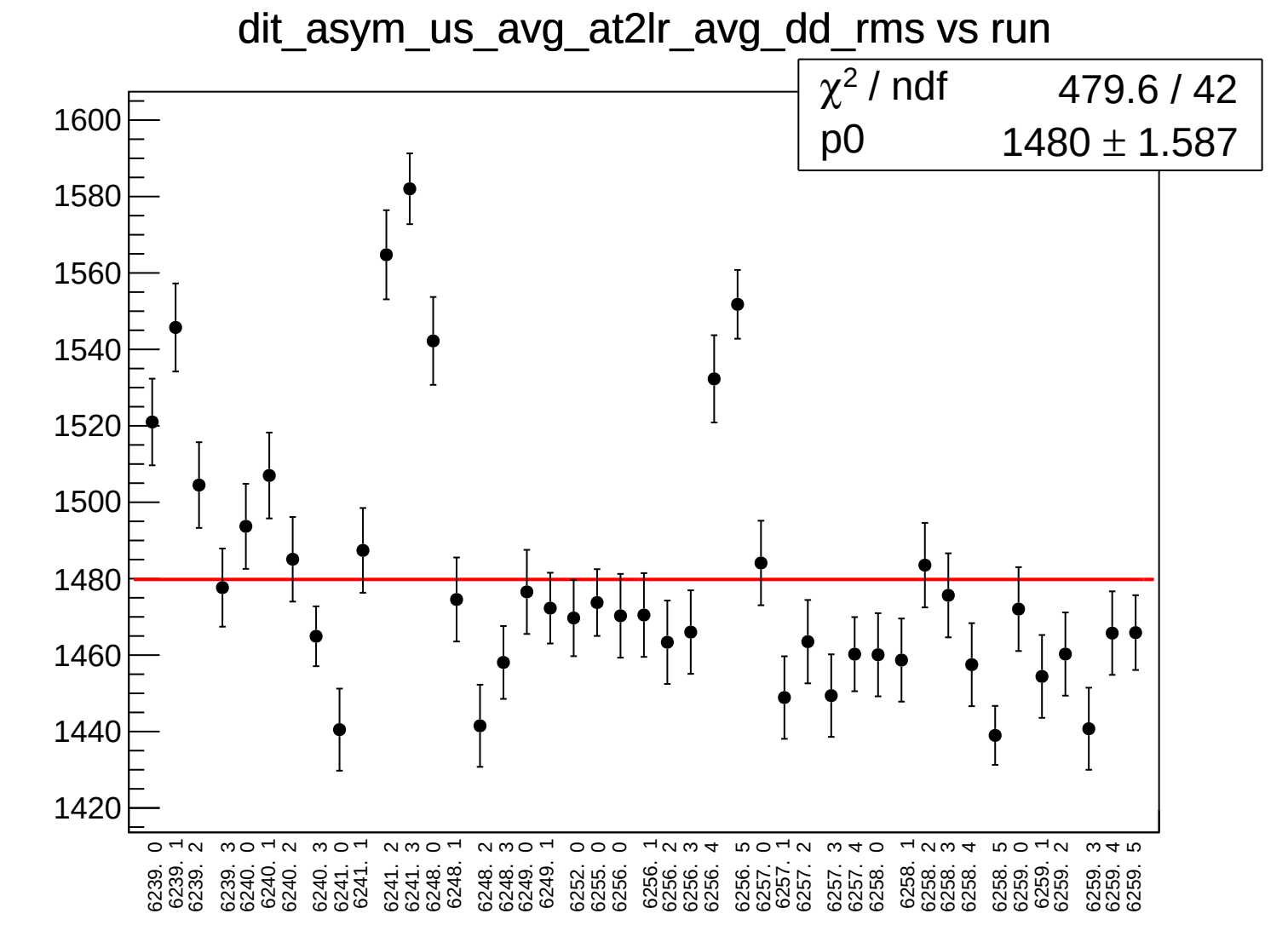

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 115.4 / 42
p0 1442 ± 1.546
1500
1480
1460
1440
1420
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

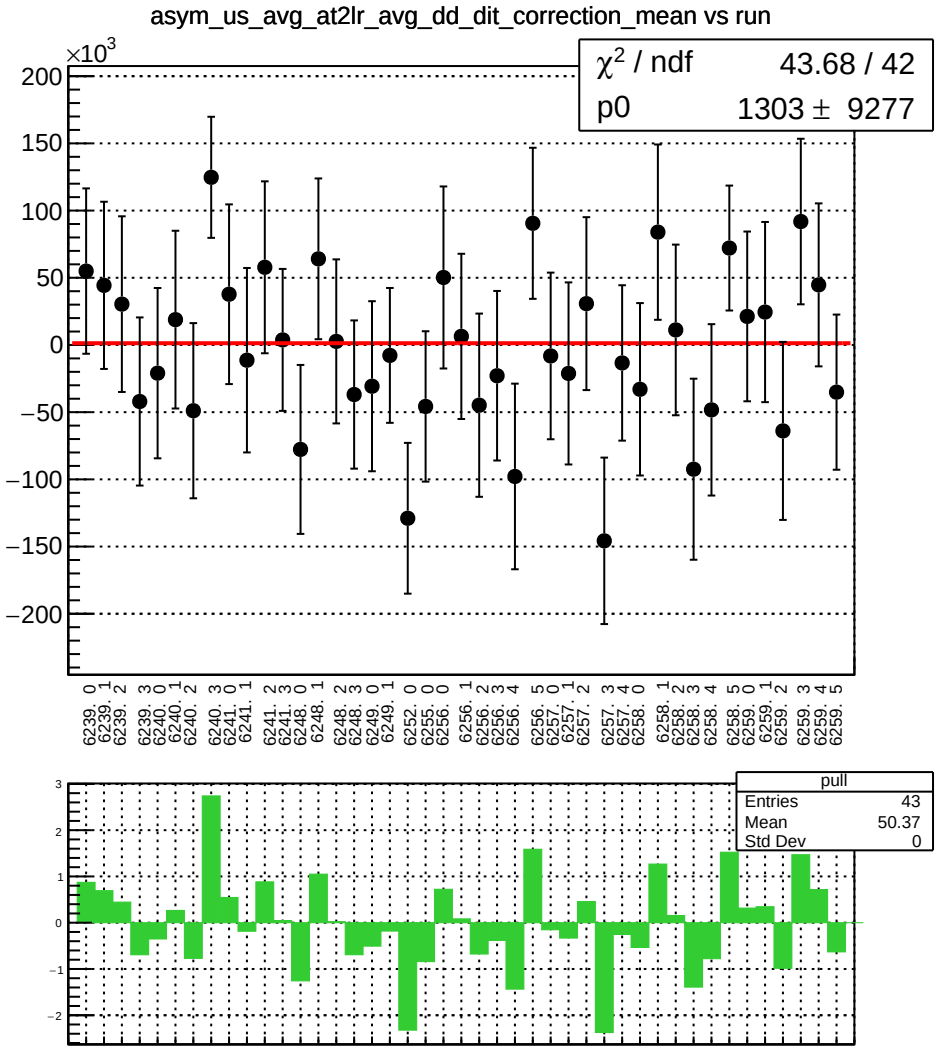

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 44.27 / 42
p0 1772 ± 9291
pull
Entries 43
Mean 53.85
Std Dev 0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

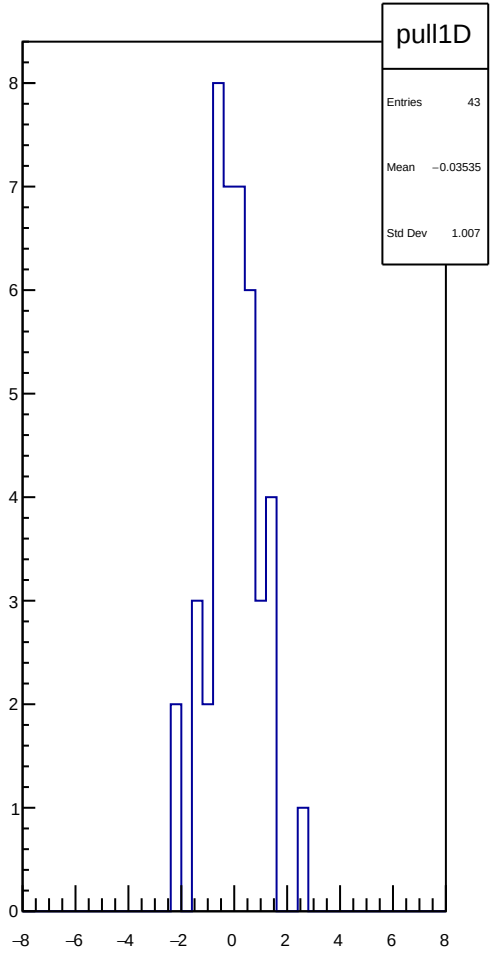

pull1D
Entries 43
Mean −0.03557
Std Dev 1.014

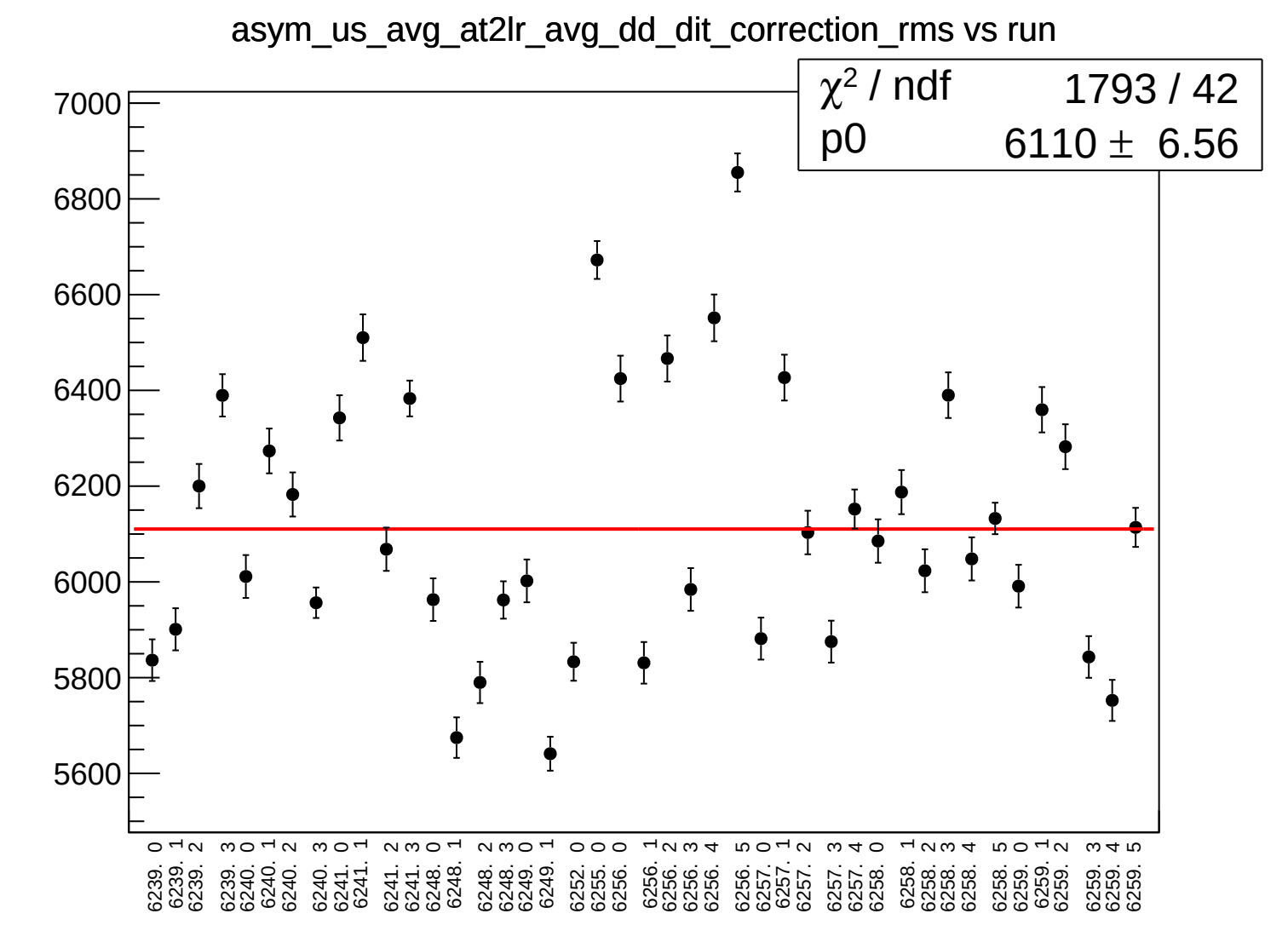

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1807 / 42
p0 6120 ± 6.57
6800
6600
6400
6200
6000
5800
5600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

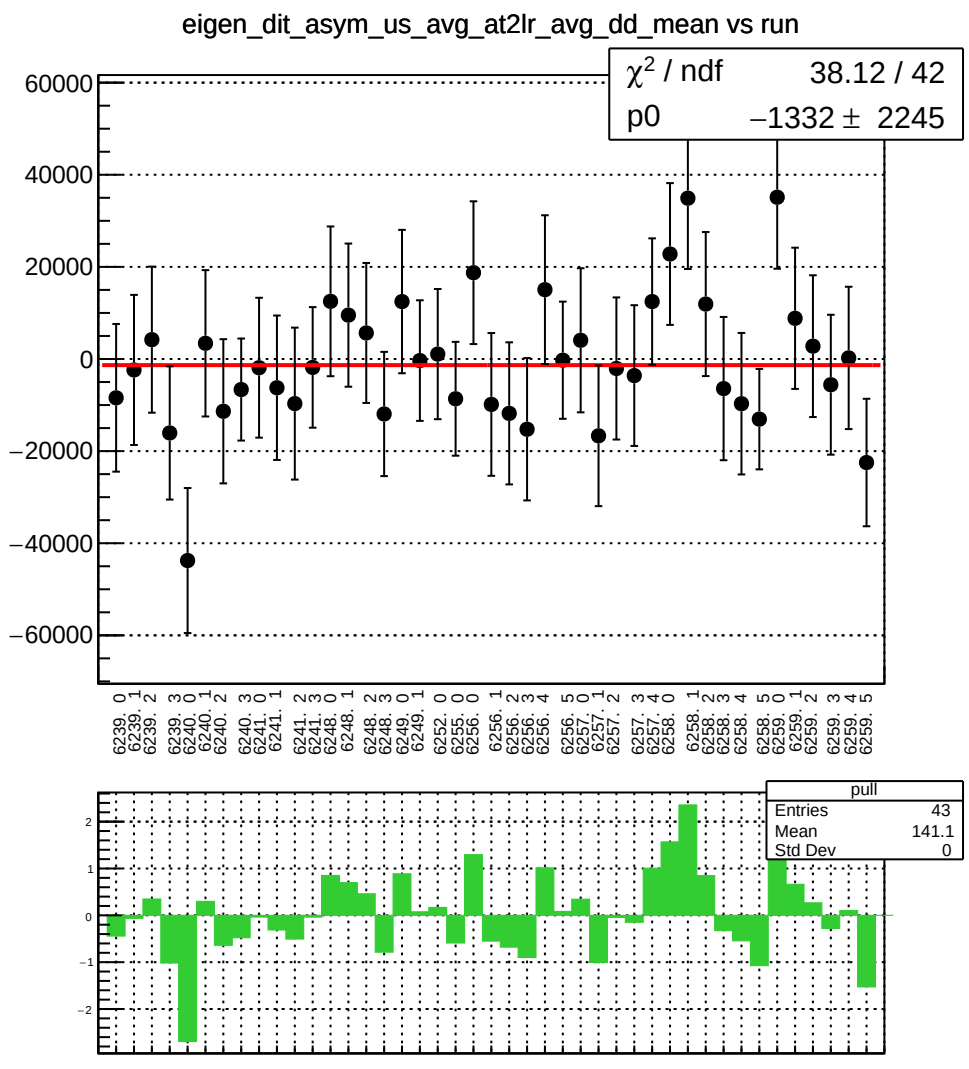

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 38.12 / 42
p0 −1332 ± 2245
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 141.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02312
Std Dev 0.9412
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

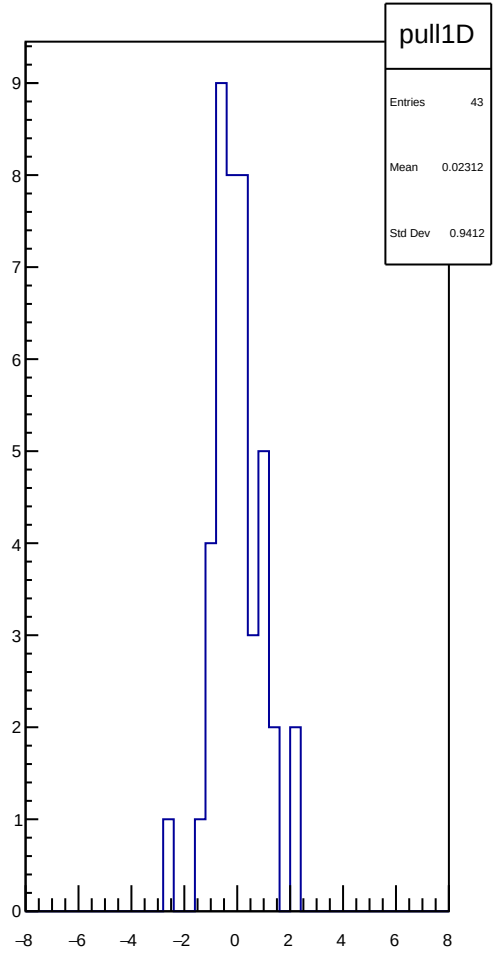

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 479.6 / 42
p0 1480 ± 1.587
1600
1580
1560
1540
1520
1500
1480
1460
1440
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

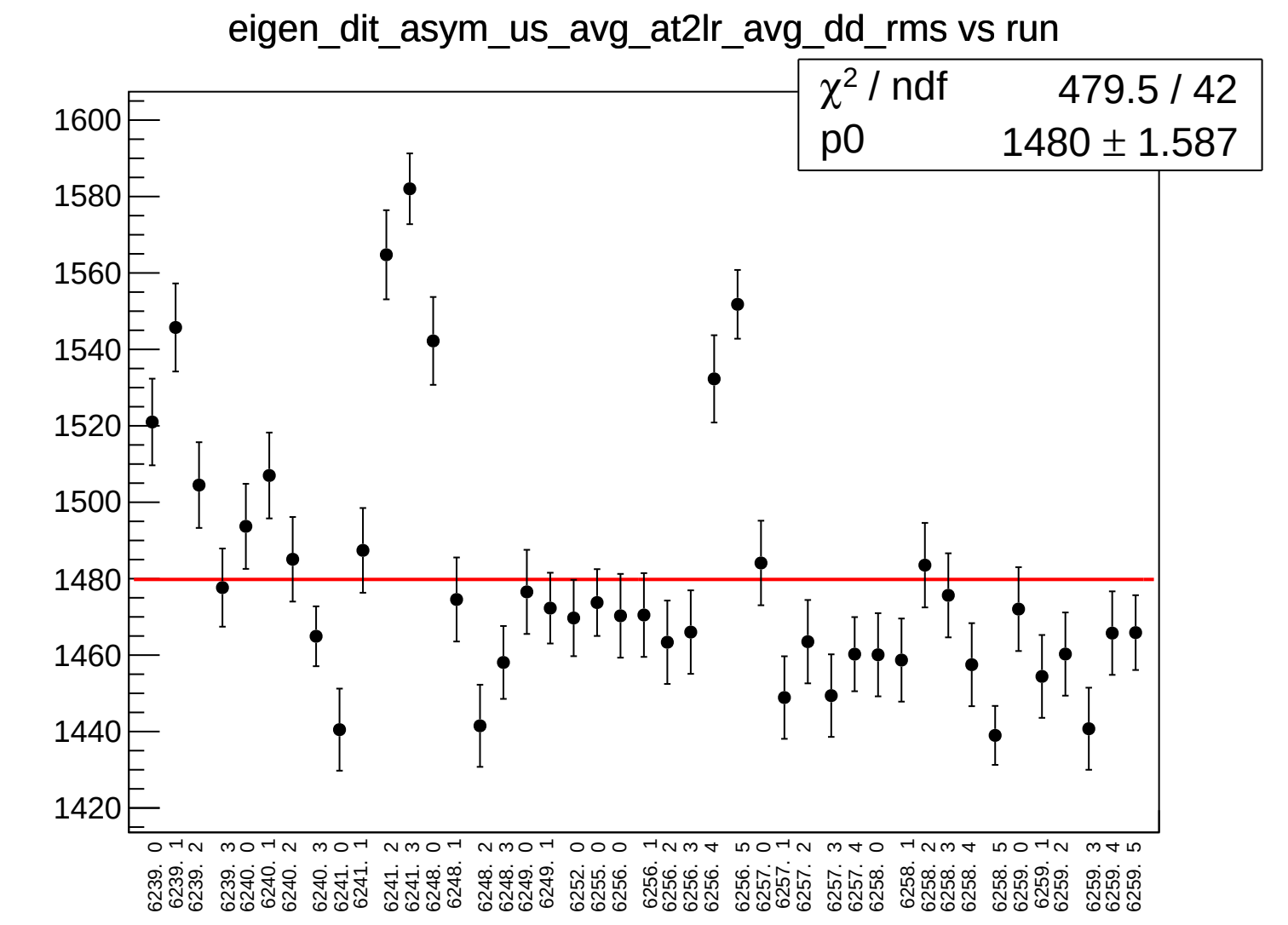

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.68 / 42
p0 1303 ± 9277
200
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.37
Std Dev 0
3
2
1
0
−1
−2

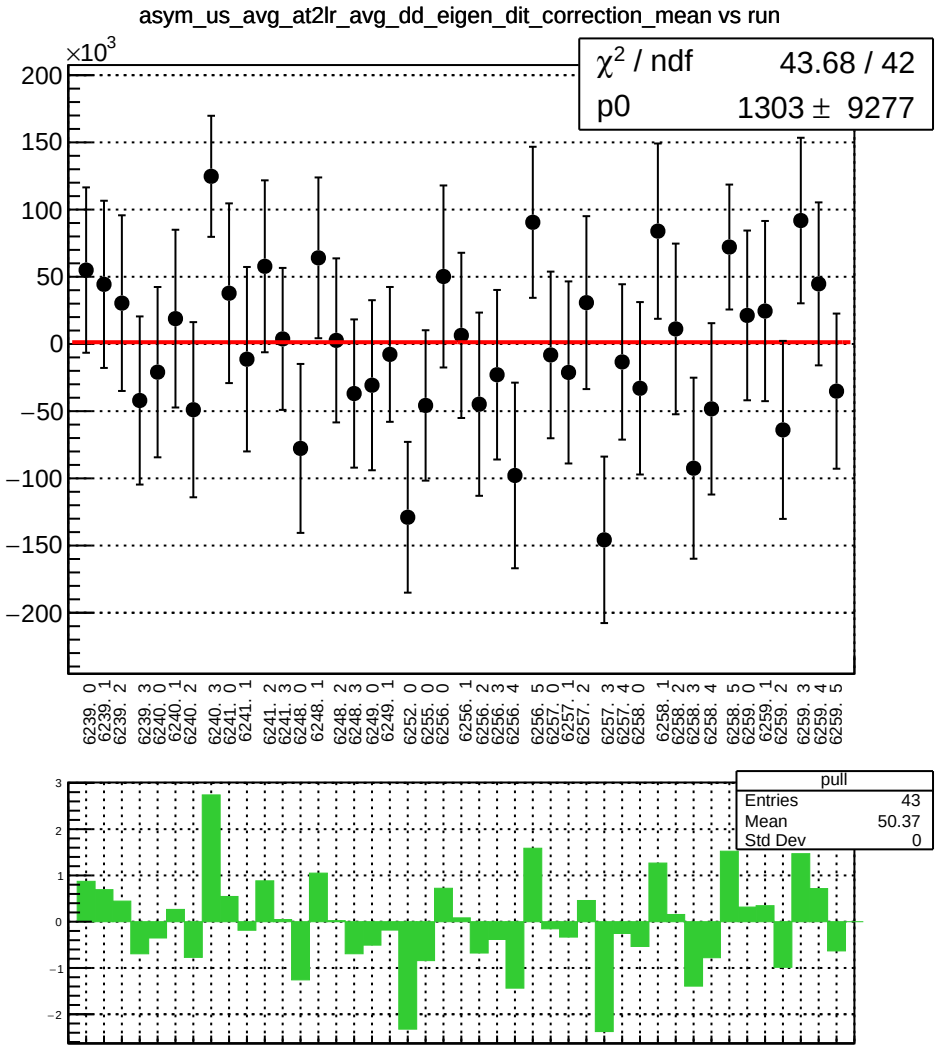

pull1D
Entries 43
Mean −0.03535
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

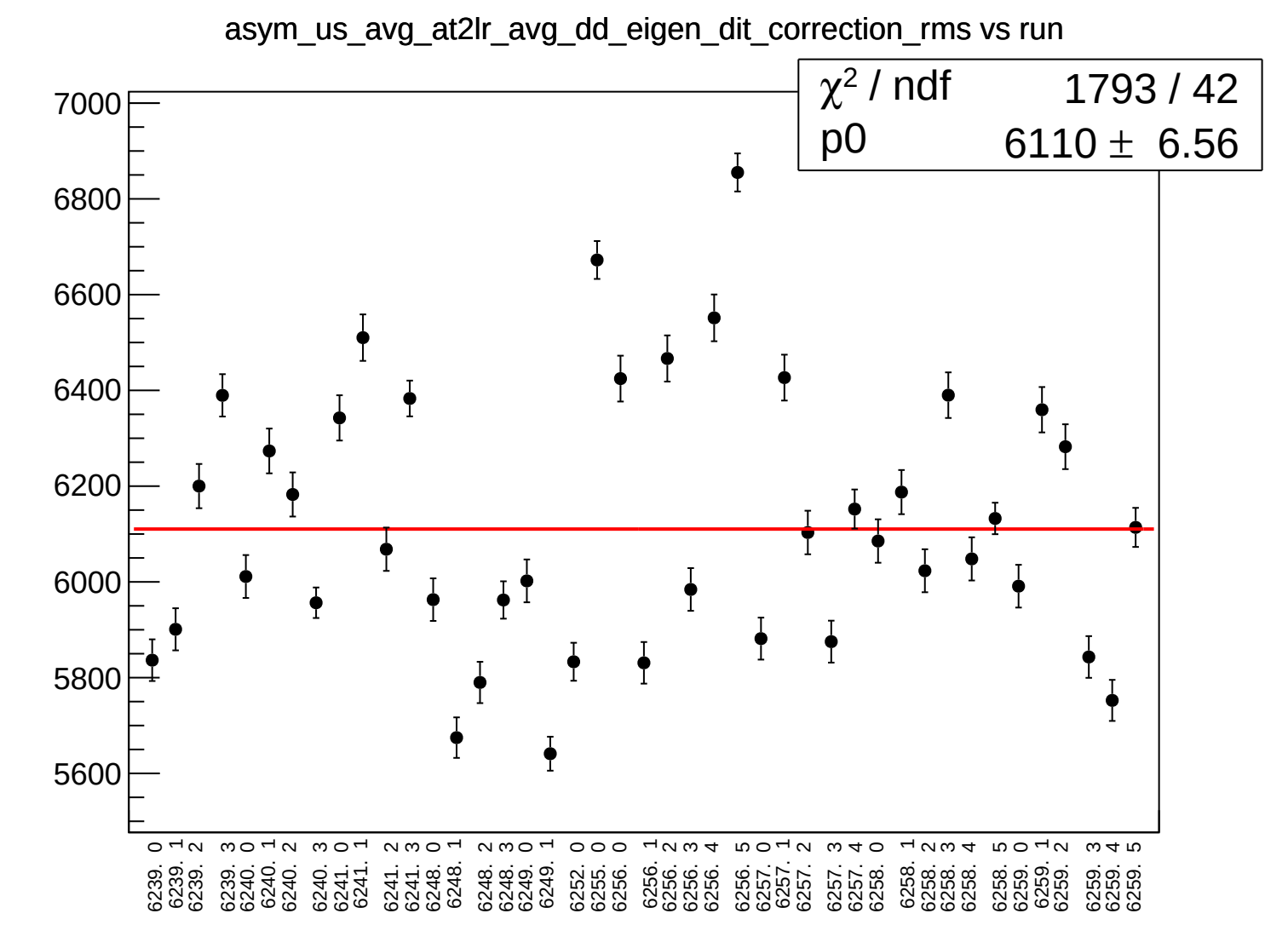

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1793 / 42
p0 6110 ± 6.56
7000
6800
6600
6400
6200
6000
5800
5600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

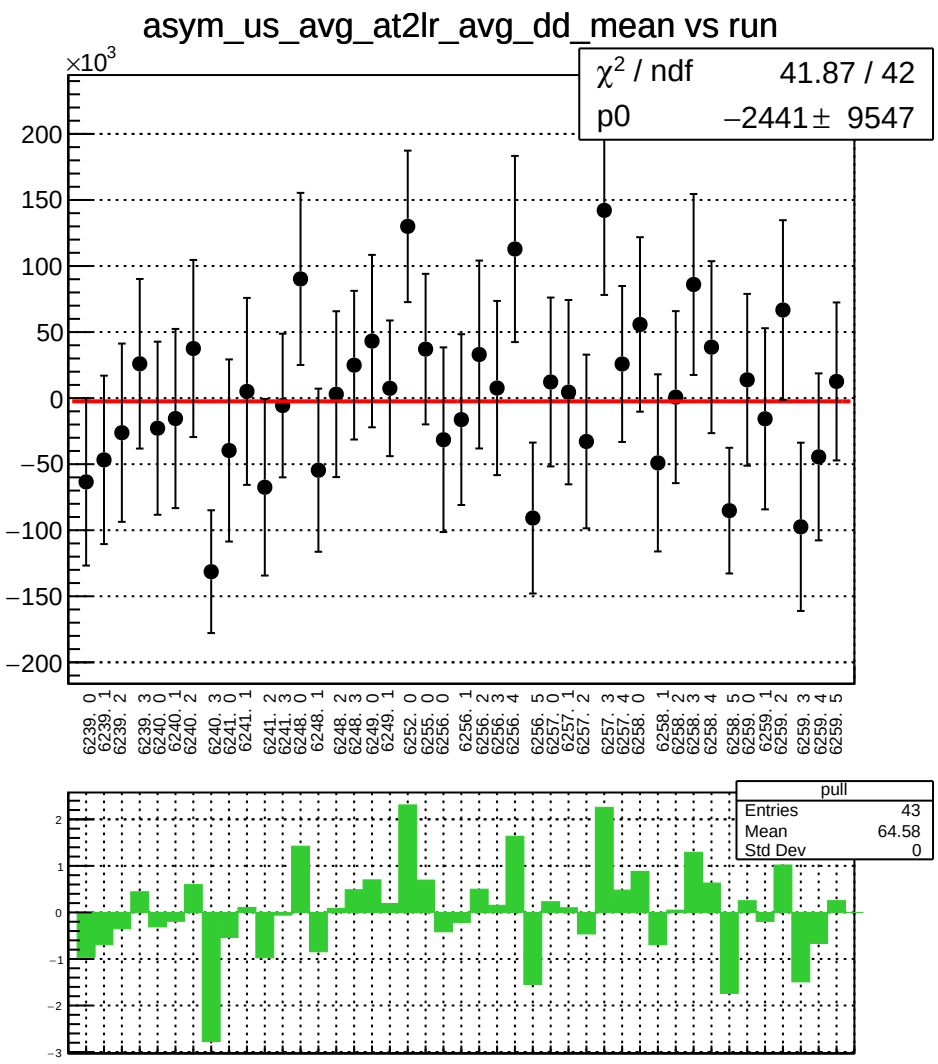

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 38.12 / 42
p0 −1332 ± 2245
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 141.1
Std Dev 0
2
1
0
−1
−2

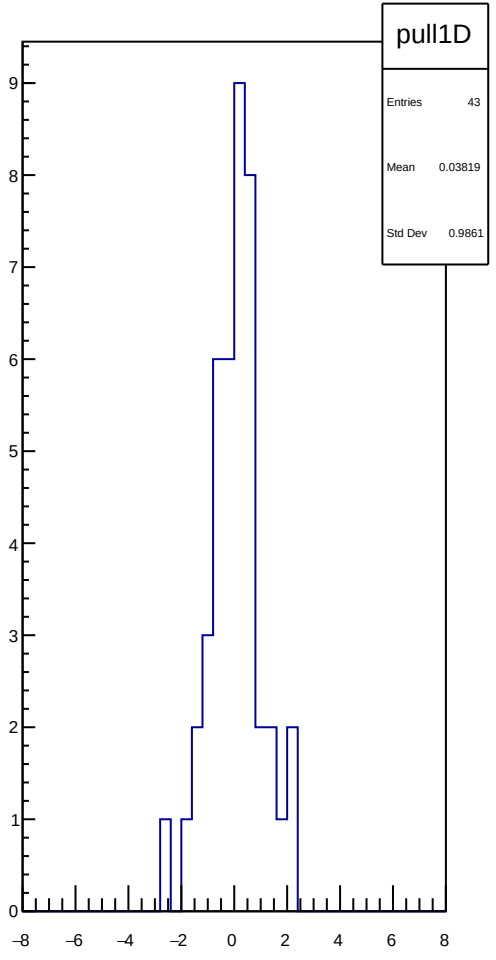

pull1D
Entries 43
Mean 0.02312
Std Dev 0.9412
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

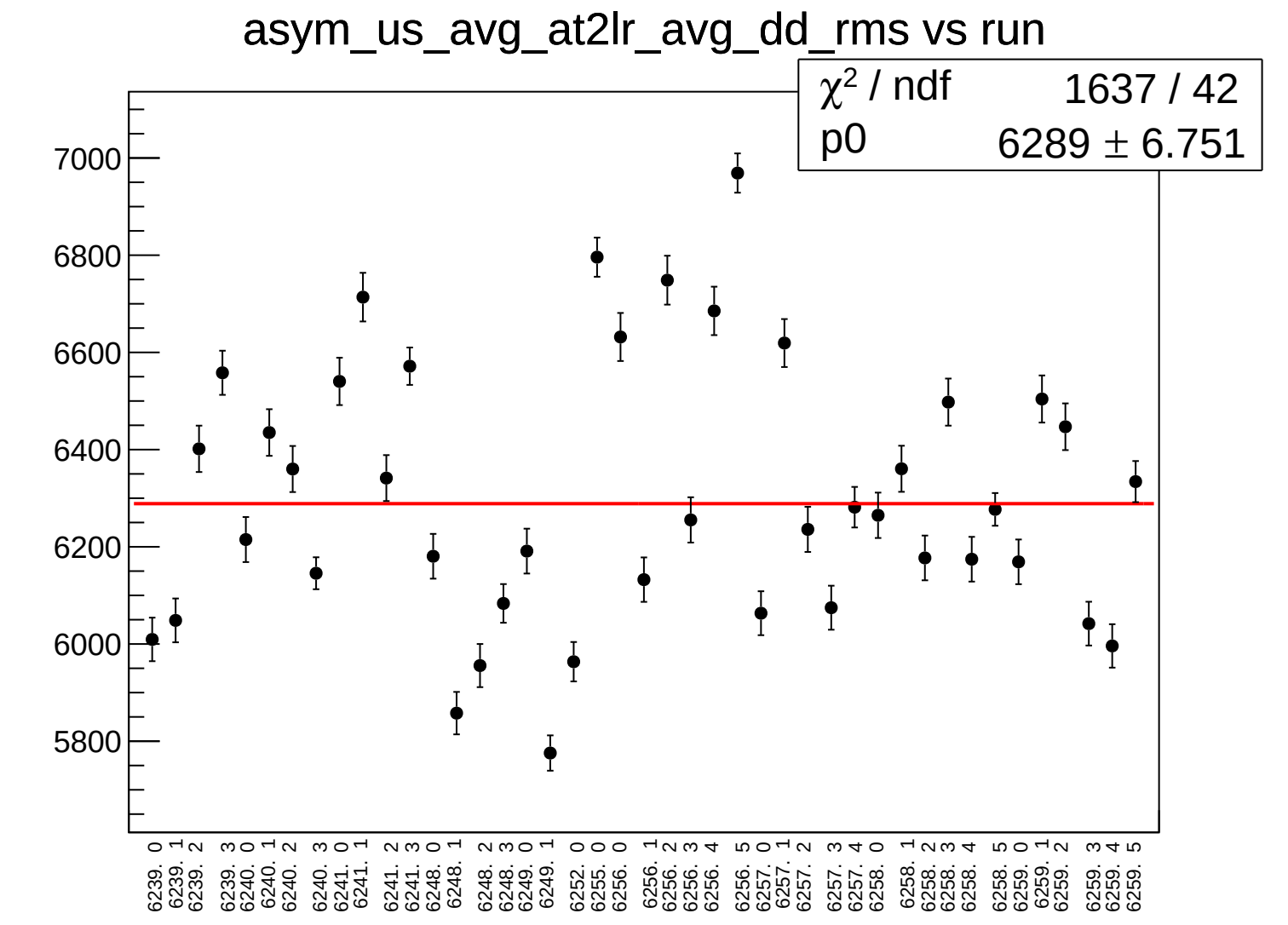

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 479.5 / 42
p0 1480 ± 1.587
1600
1580
1560
1540
1520
1500
1480
1460
1440
1420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

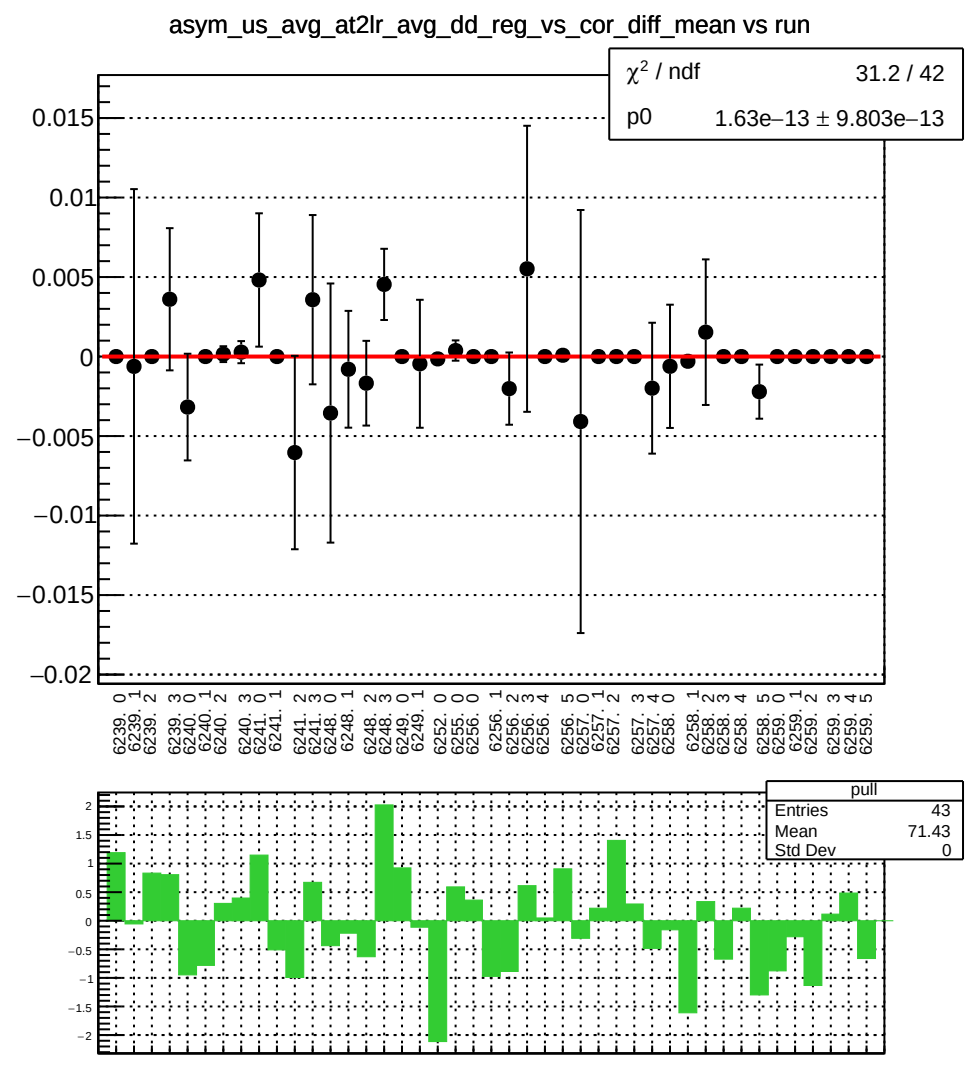

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.68 / 42
p0 1303 ± 9277
pull
Entries 43
Mean 50.37
Std Dev 0
pull1D
Entries 43
Mean −0.03535
Std Dev 1.007

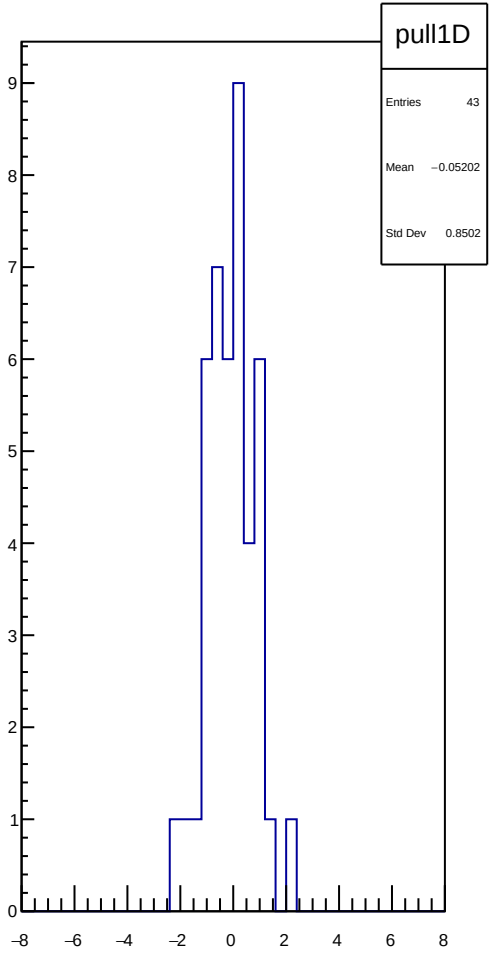

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1793 / 42
p0 6110 ± 6.56
7000
6800
6600
6400
6200
6000
5800
5600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

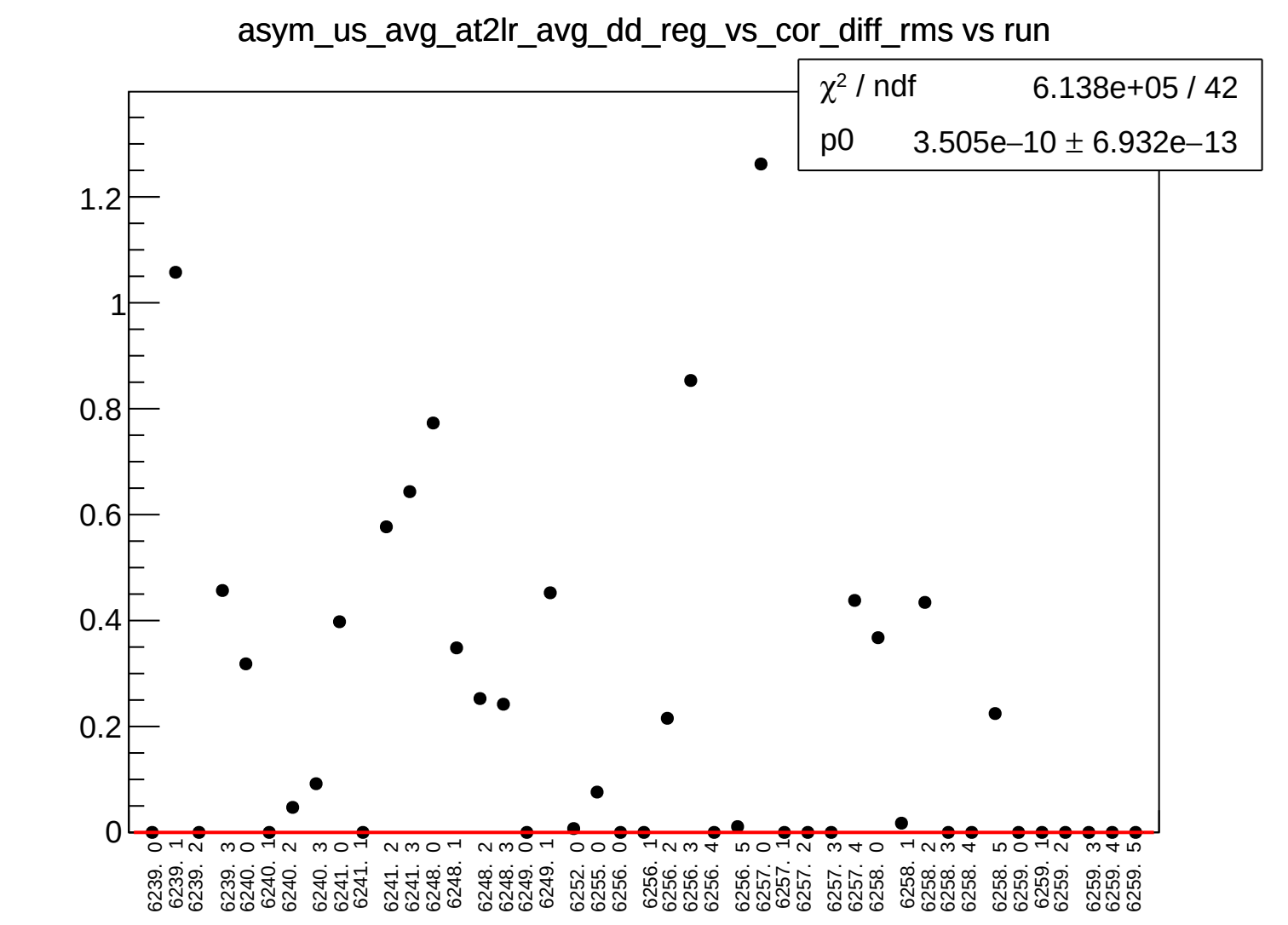

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 41.87 / 42
p0 −2441 ± 9547
200
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 64.58
Std Dev 0
2
1
0
−1
−2
−3

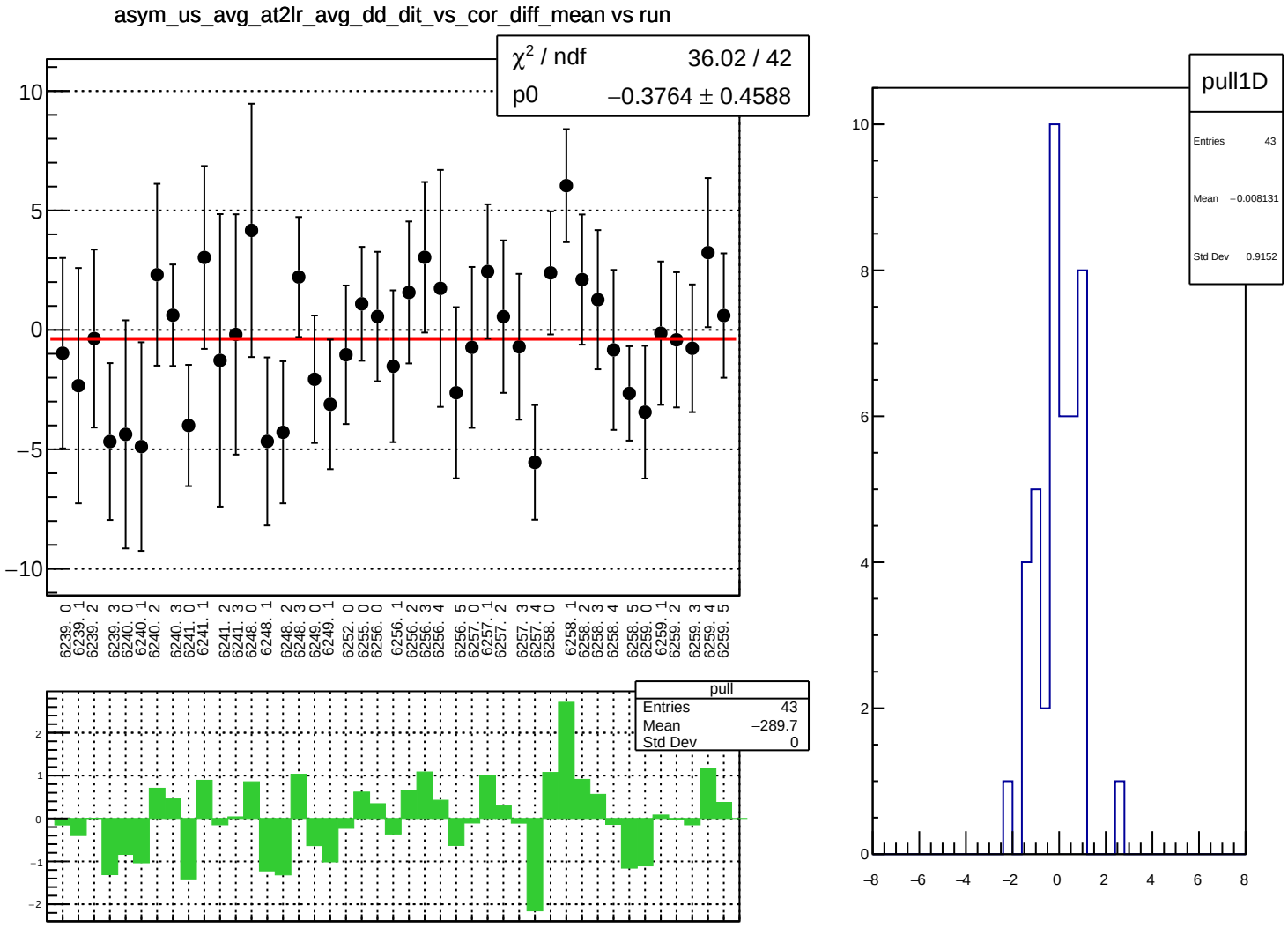

pull1D
Entries 43
Mean 0.03819
Std Dev 0.9861
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

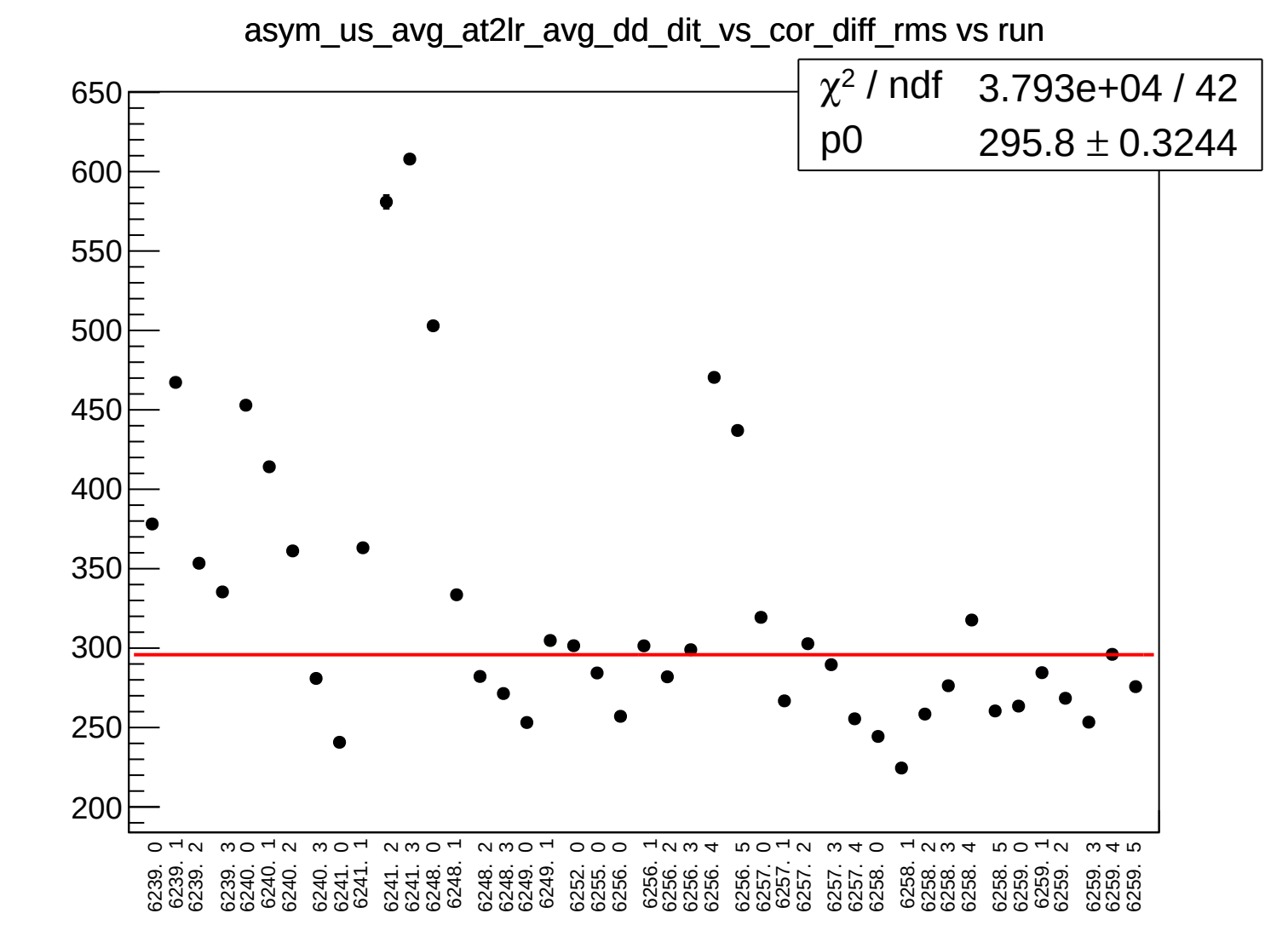

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1637 / 42
p0 6289 ± 6.751
7000
6800
6600
6400
6200
6000
5800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

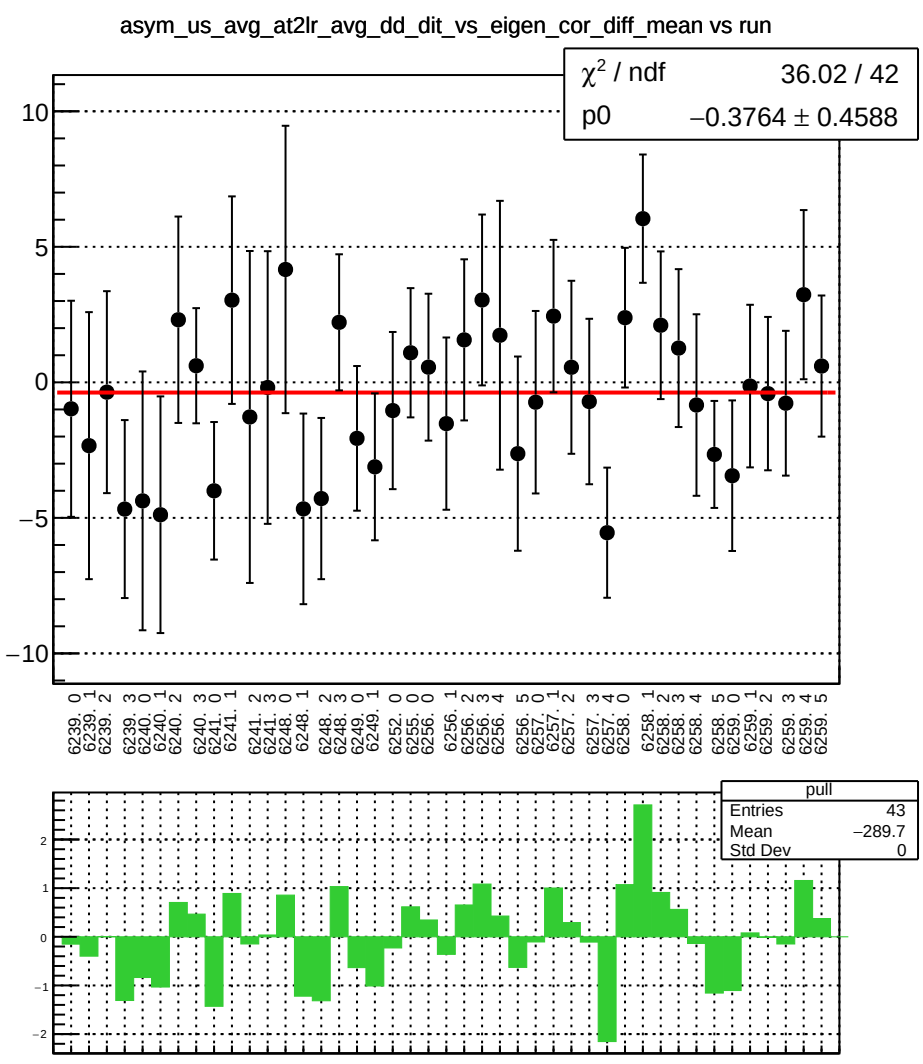

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.2 / 42
p0 1.63e−13 ± 9.803e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

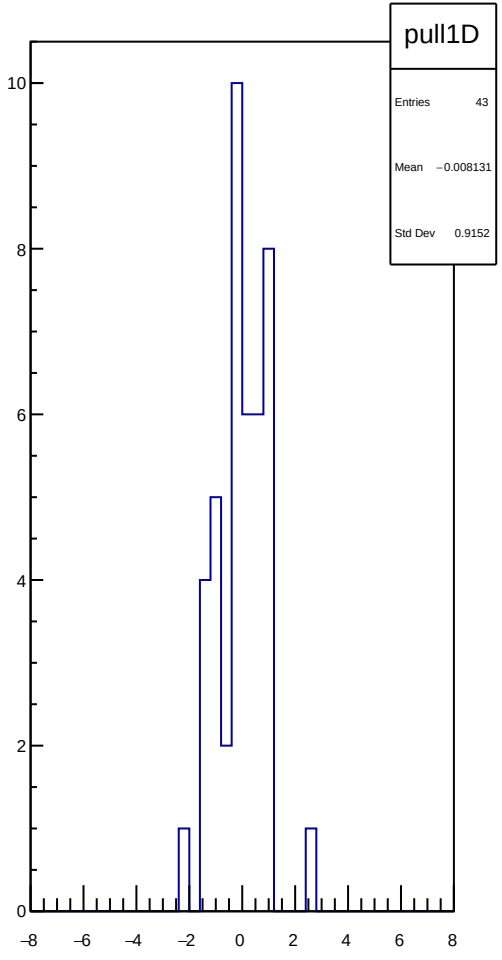

pull1D
Entries 43
Mean −0.05202
Std Dev 0.8502
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

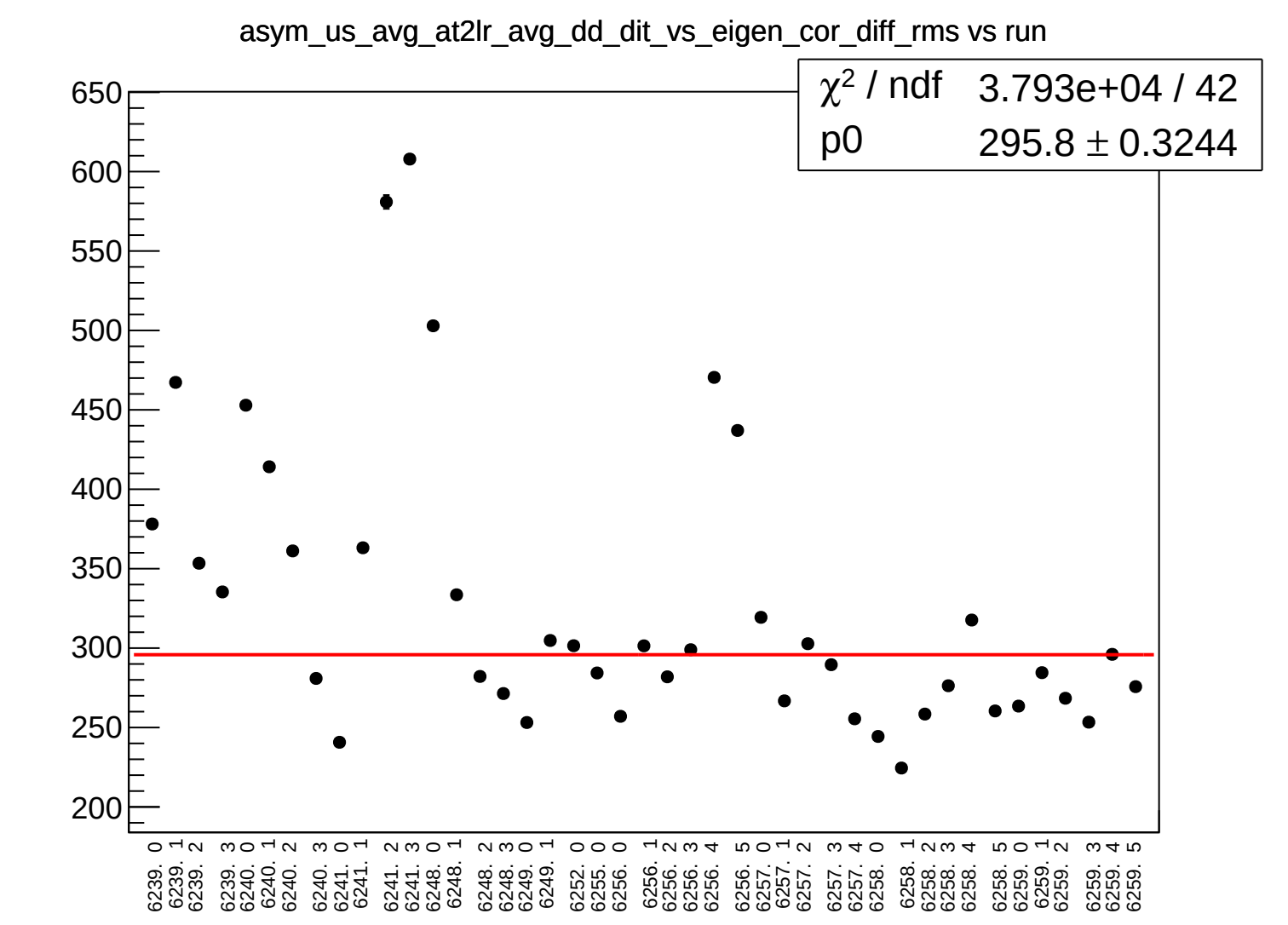

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.138e+05 / 42
p0 3.505e−10 ± 6.932e−13
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

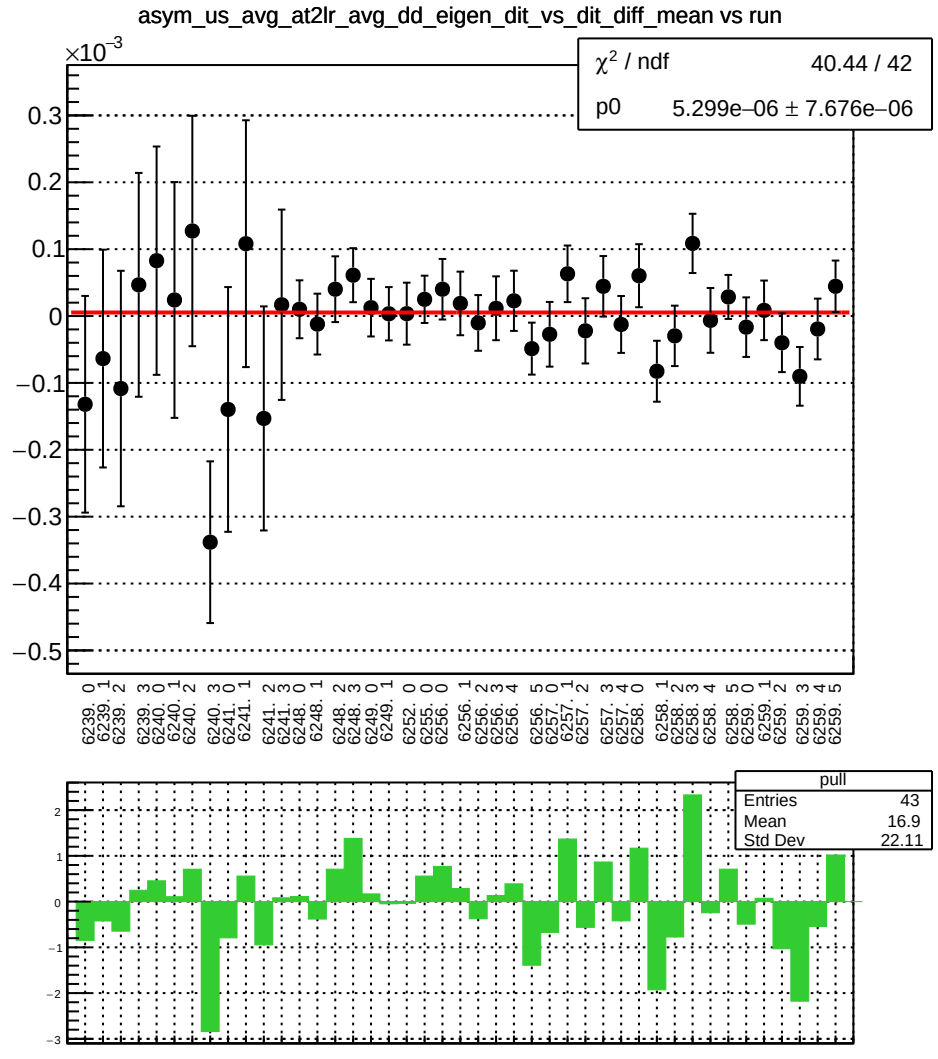

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.02 / 42
p0 −0.3764 ± 0.4588
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −289.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.008131
Std Dev 0.9152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

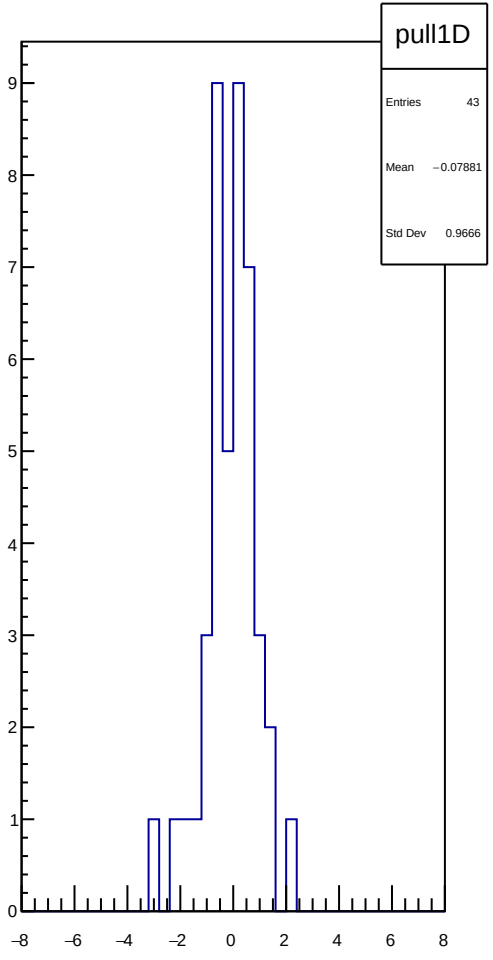

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.793e+04 / 42
p0 295.8 ± 0.3244
650
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

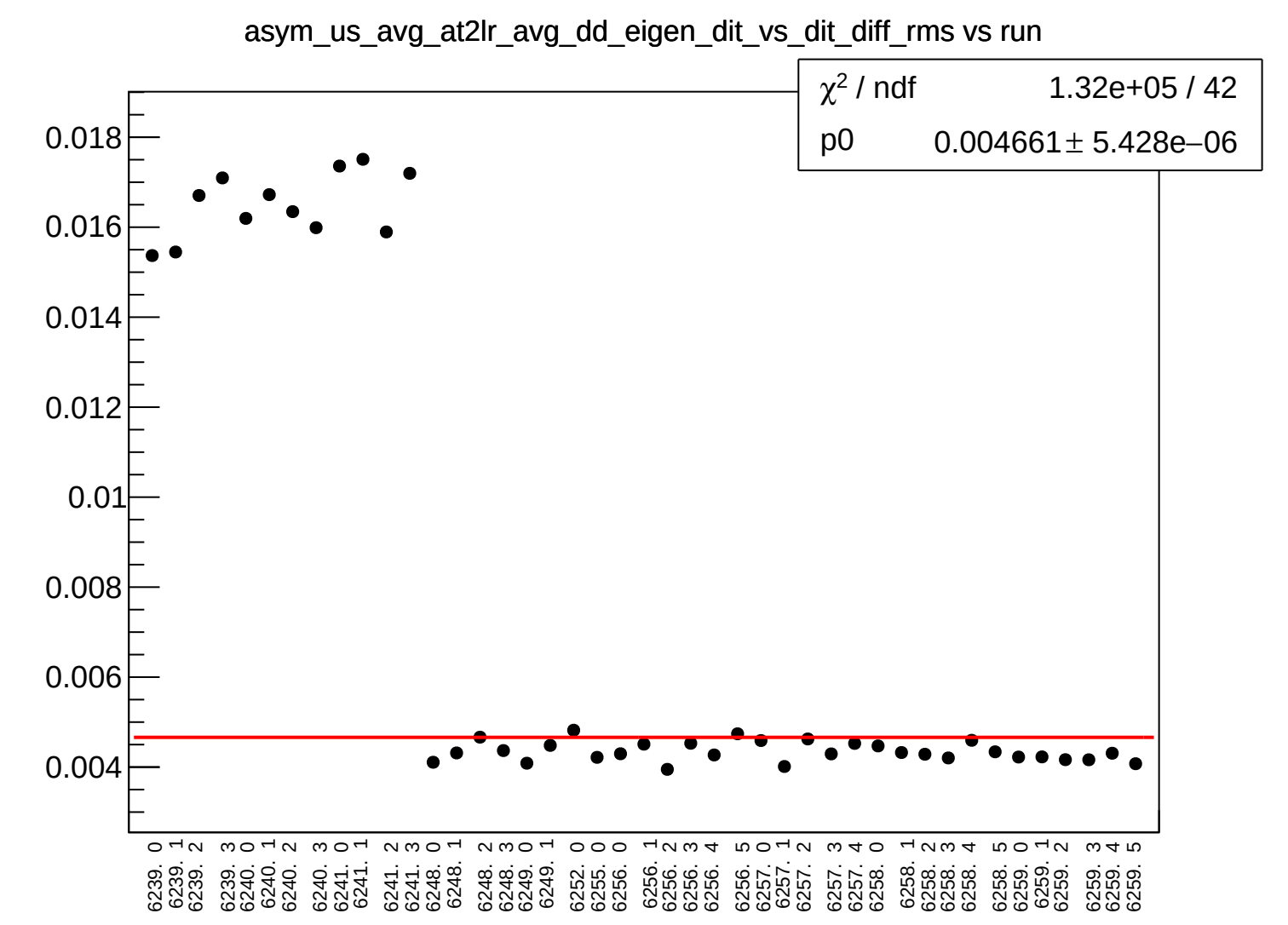

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.02 / 42
p0 −0.3764 ± 0.4588
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −289.7
Std Dev 0
2
1
0
−1
−2

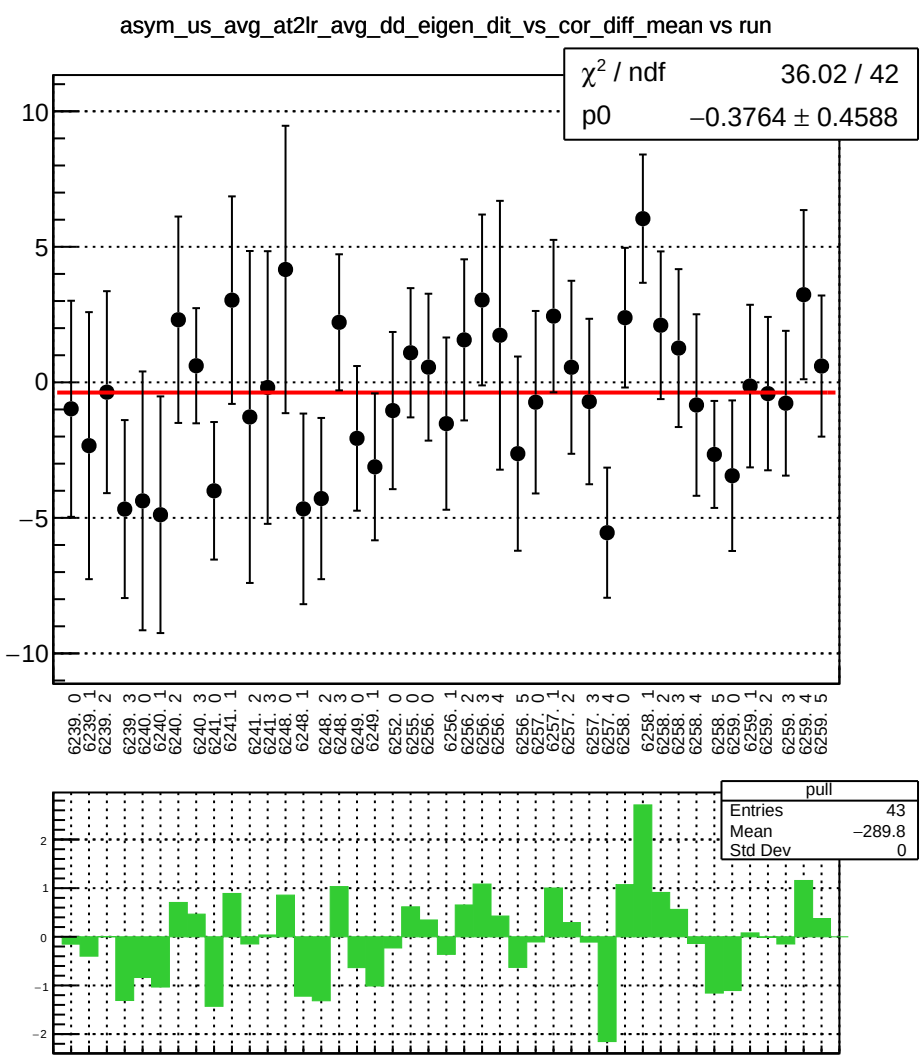

pull1D
Entries 43
Mean −0.008131
Std Dev 0.9152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

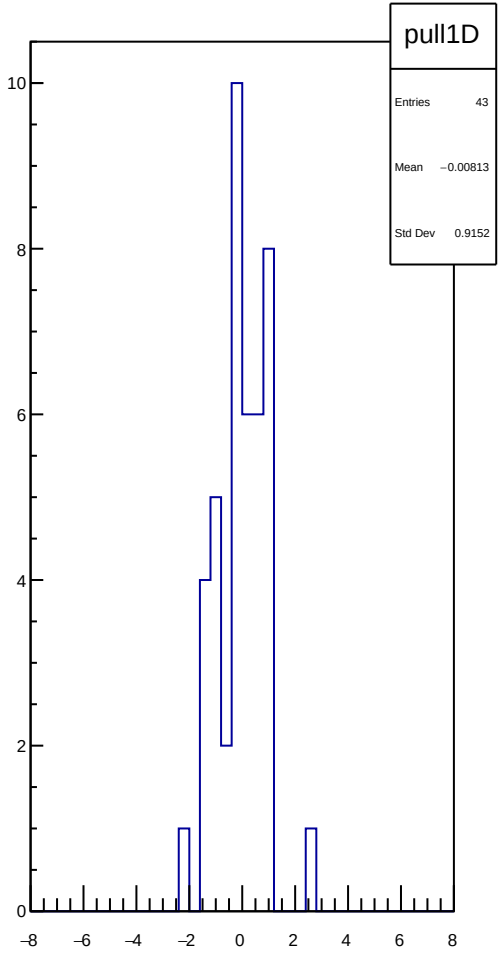

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.793e+04 / 42
p0 295.8 ± 0.3244
650
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

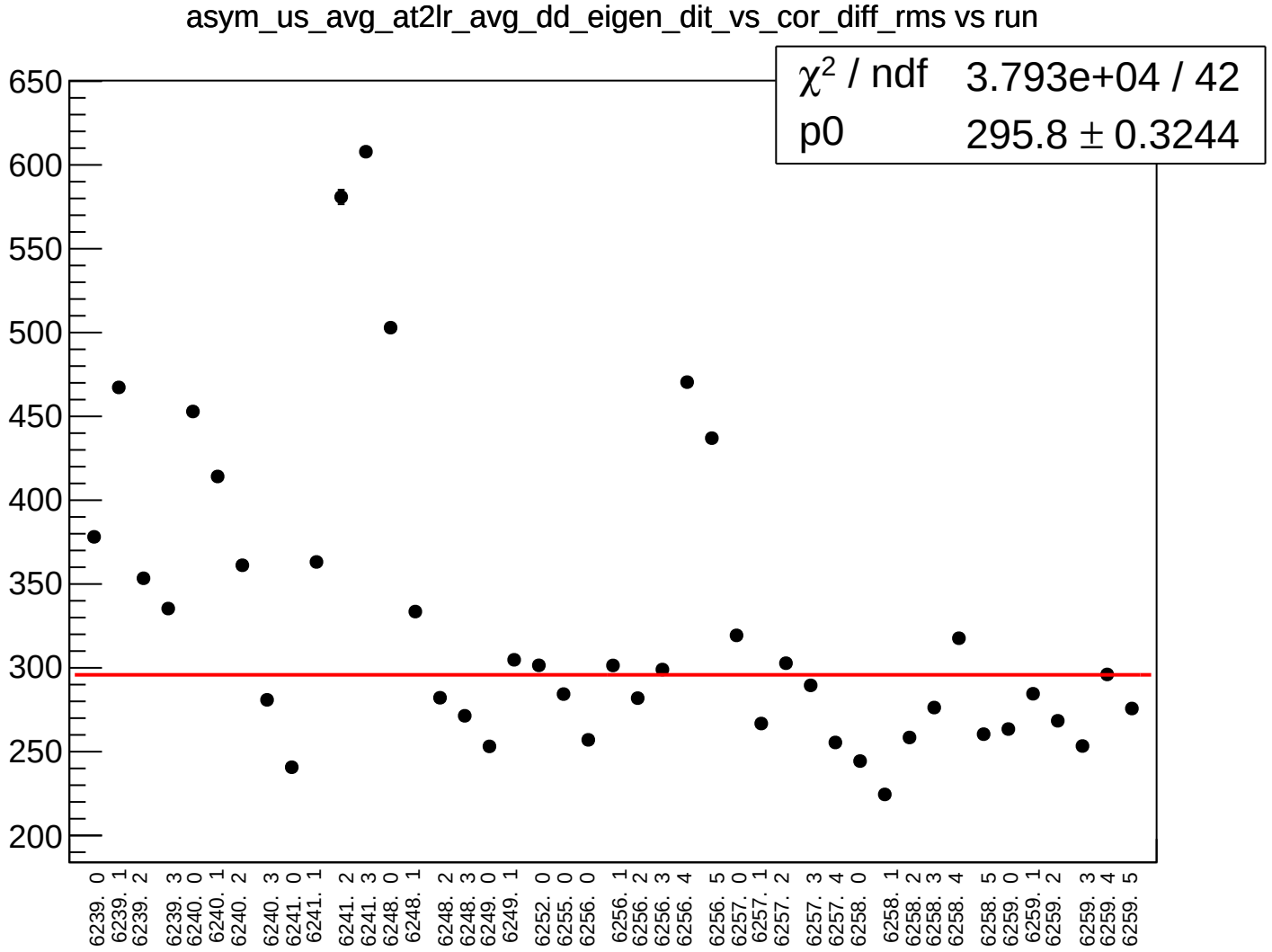

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.44 / 42
p0 5.299e−06 ± 7.676e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.9
Std Dev 22.11
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.07881
Std Dev 0.9666
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

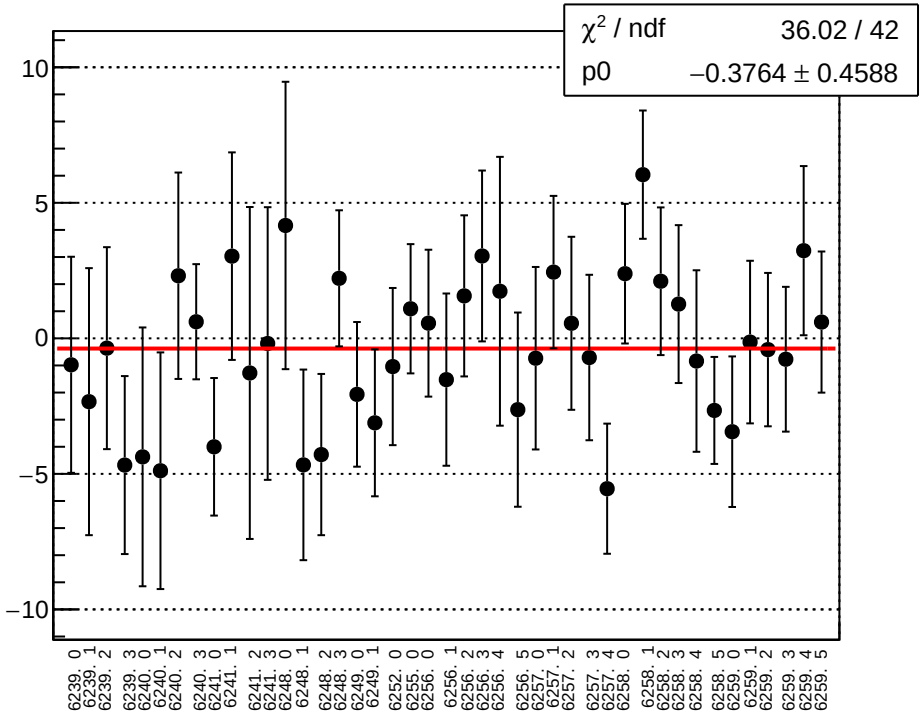

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.32e+05 / 42
p0 0.004661 ± 5.428e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

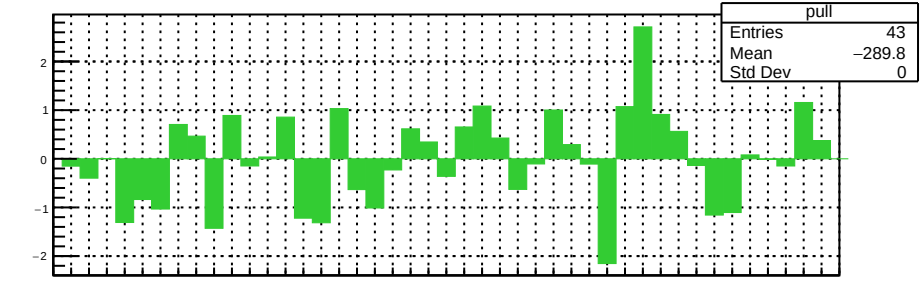

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.02 / 42
p0 −0.3764 ± 0.4588
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −289.8
Std Dev 0
2
1
0
−1
−2

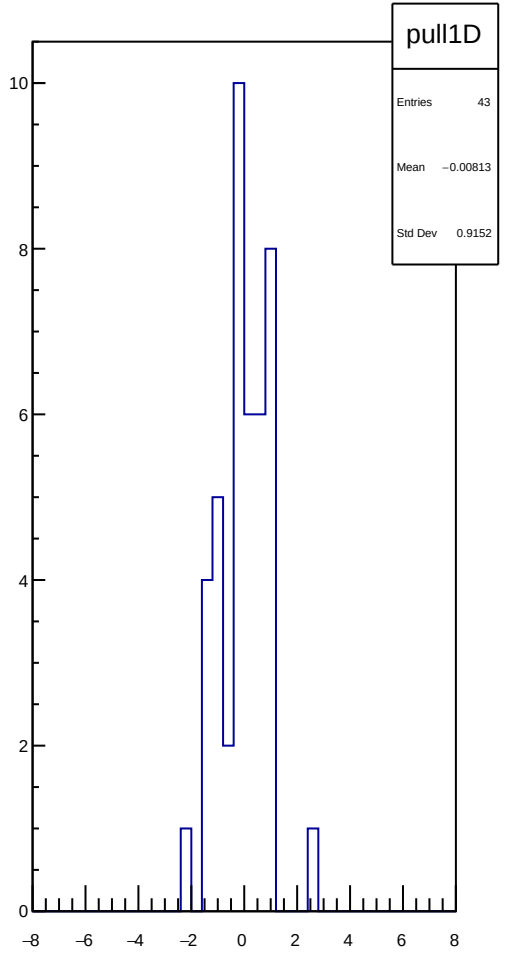

pull1D
Entries 43
Mean −0.00813
Std Dev 0.9152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

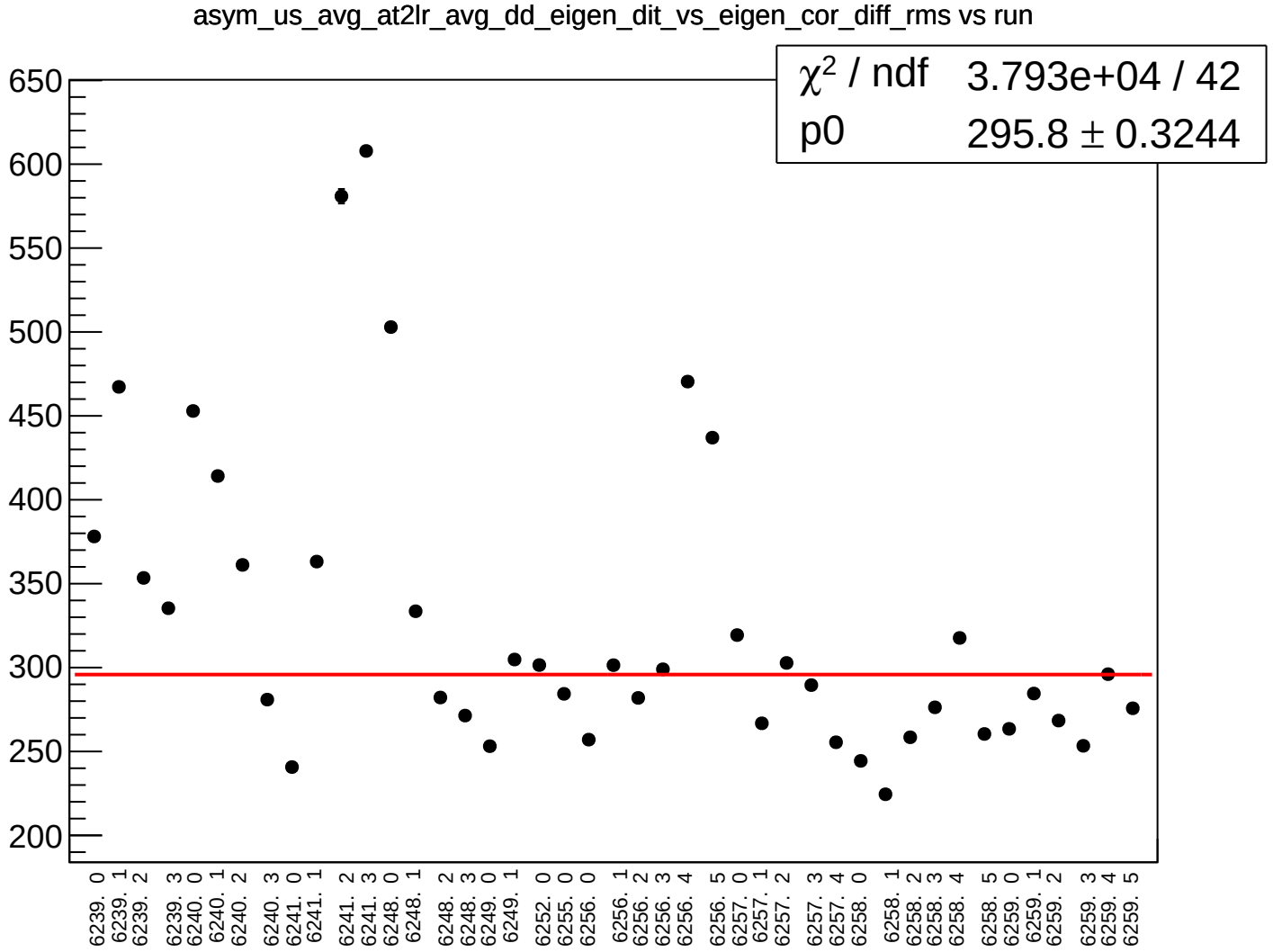

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.793e+04 / 42
p0 295.8 ± 0.3244
650
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

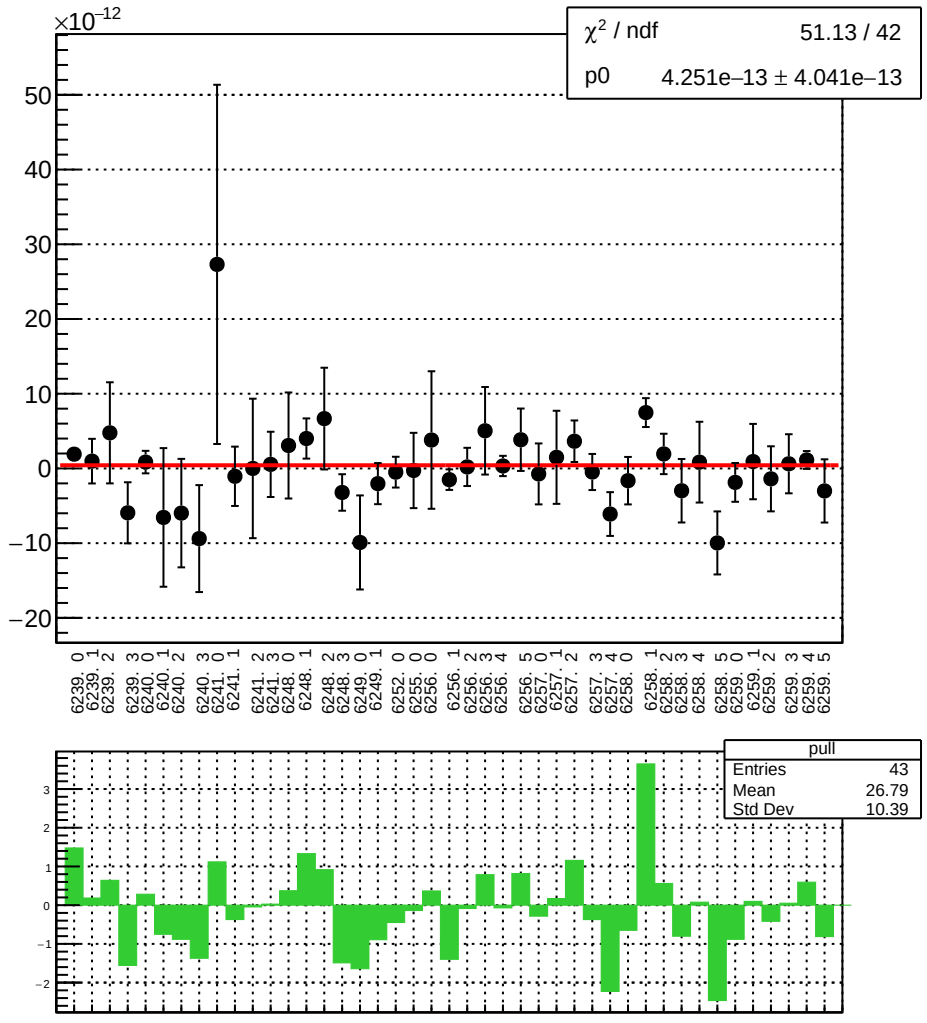
asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

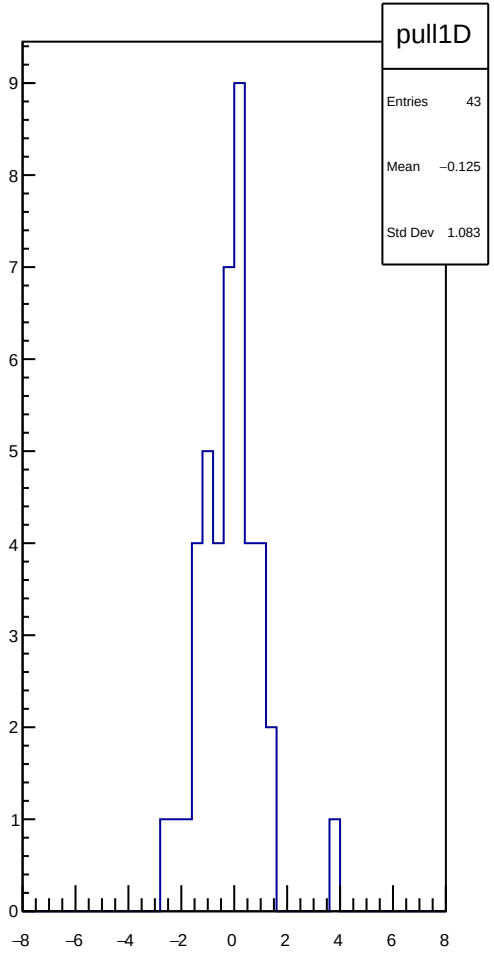


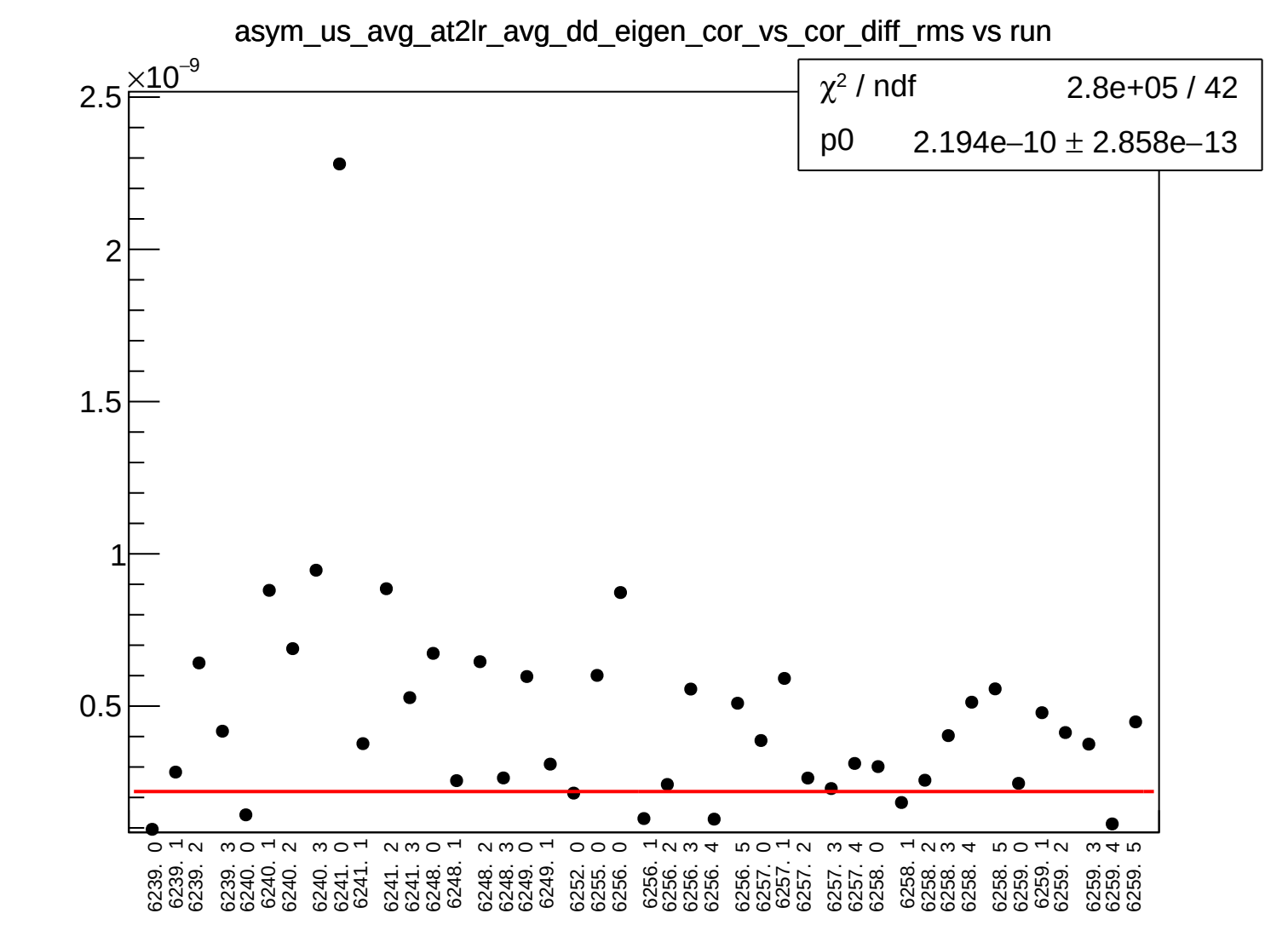



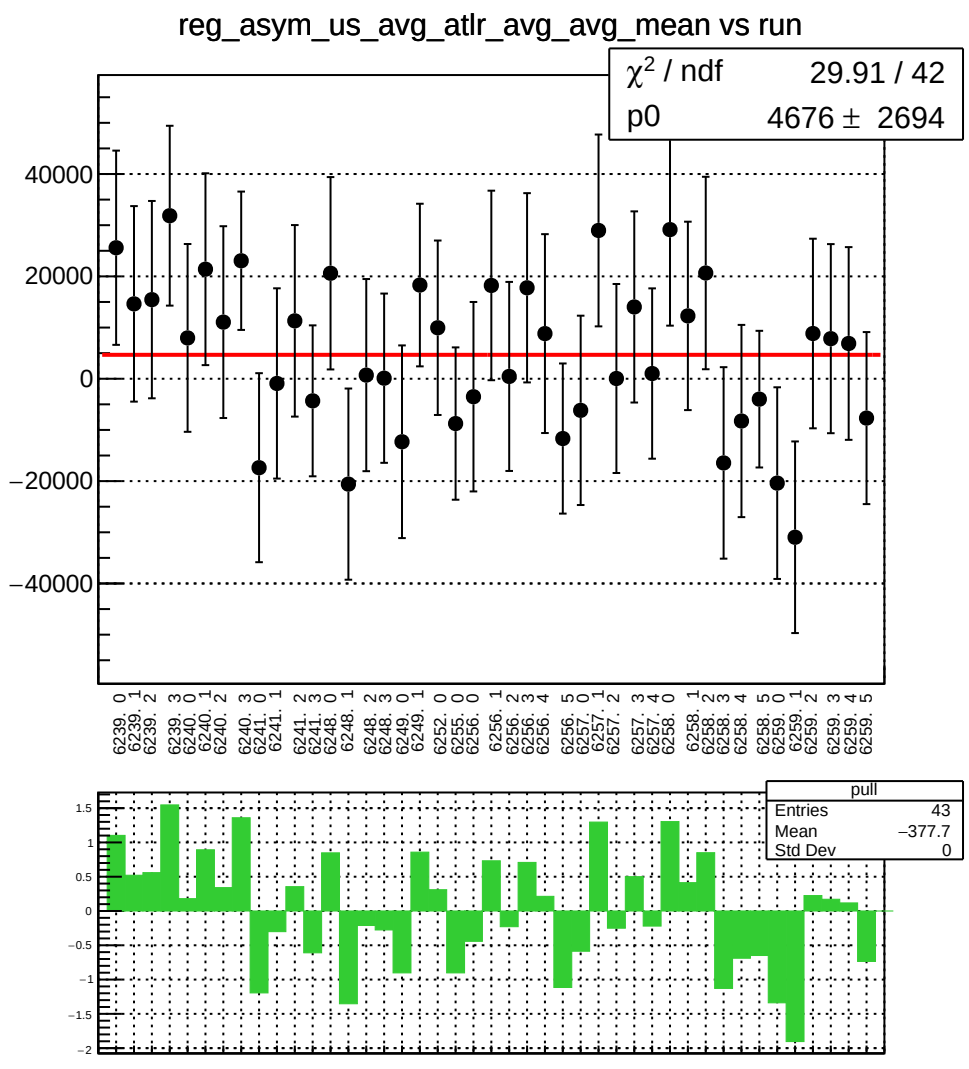



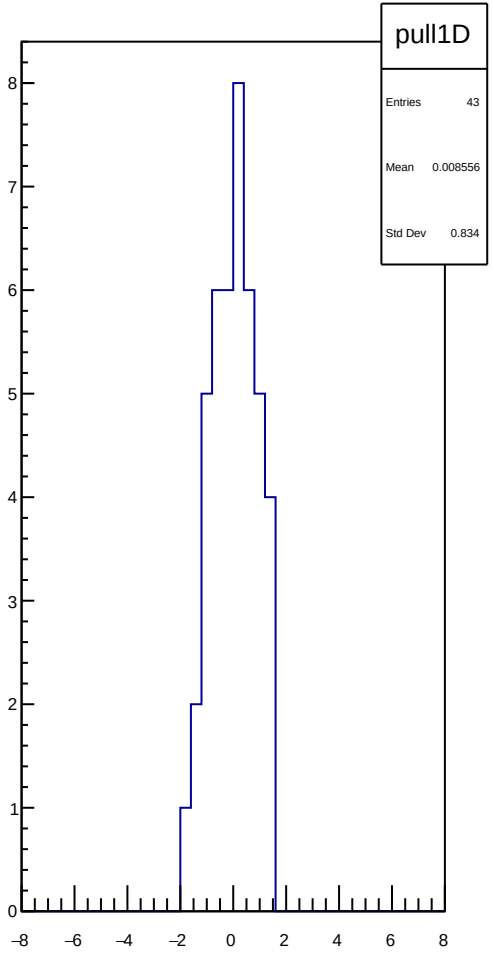

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.793e+04 / 42
p0 295.8 ± 0.3244
650
600
550
500
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

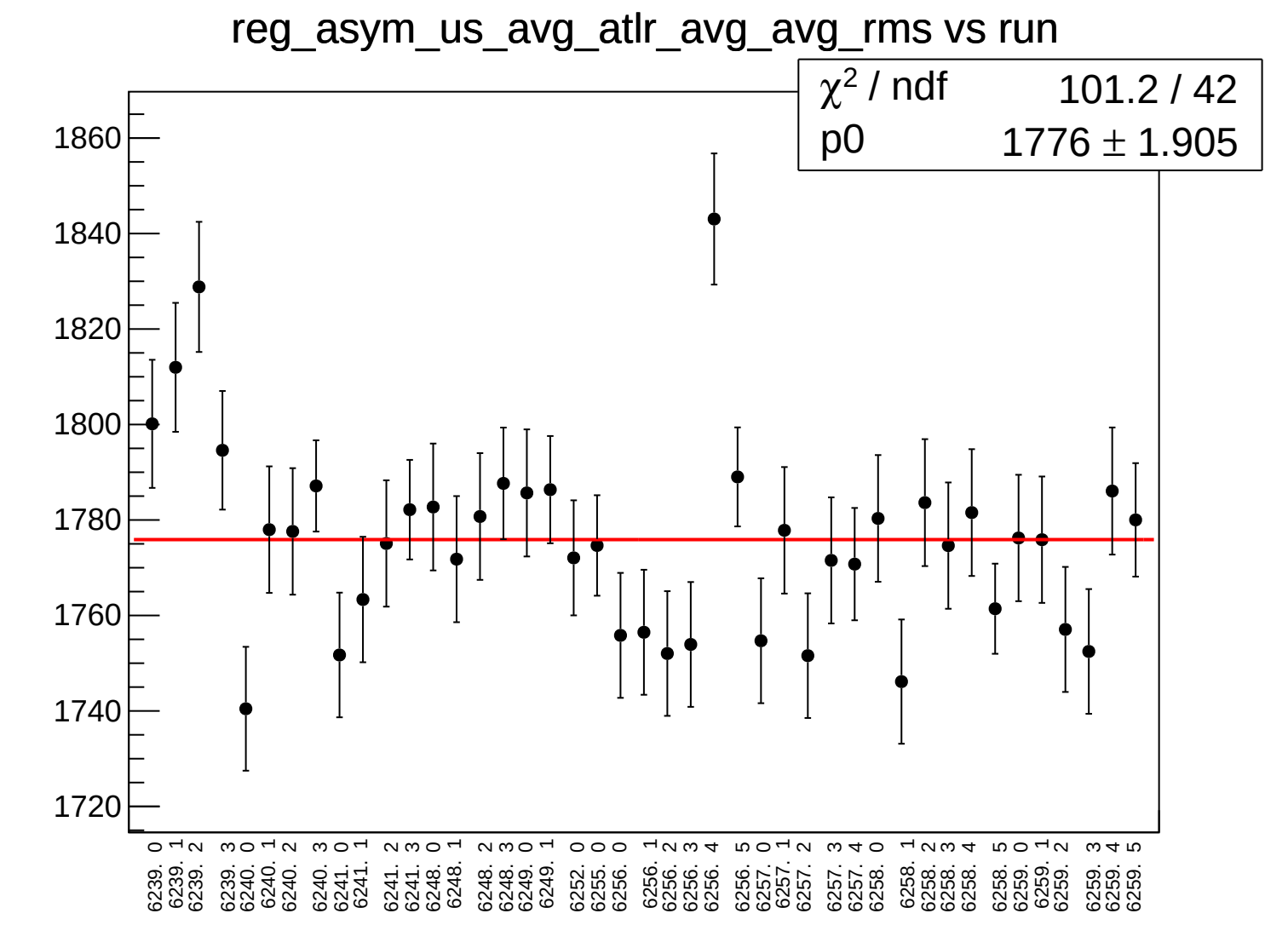

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.13 / 42
p0 4.251e−13 ± 4.041e−13
50
40
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.79
Std Dev 10.39
3
2
1
0
−1
−2

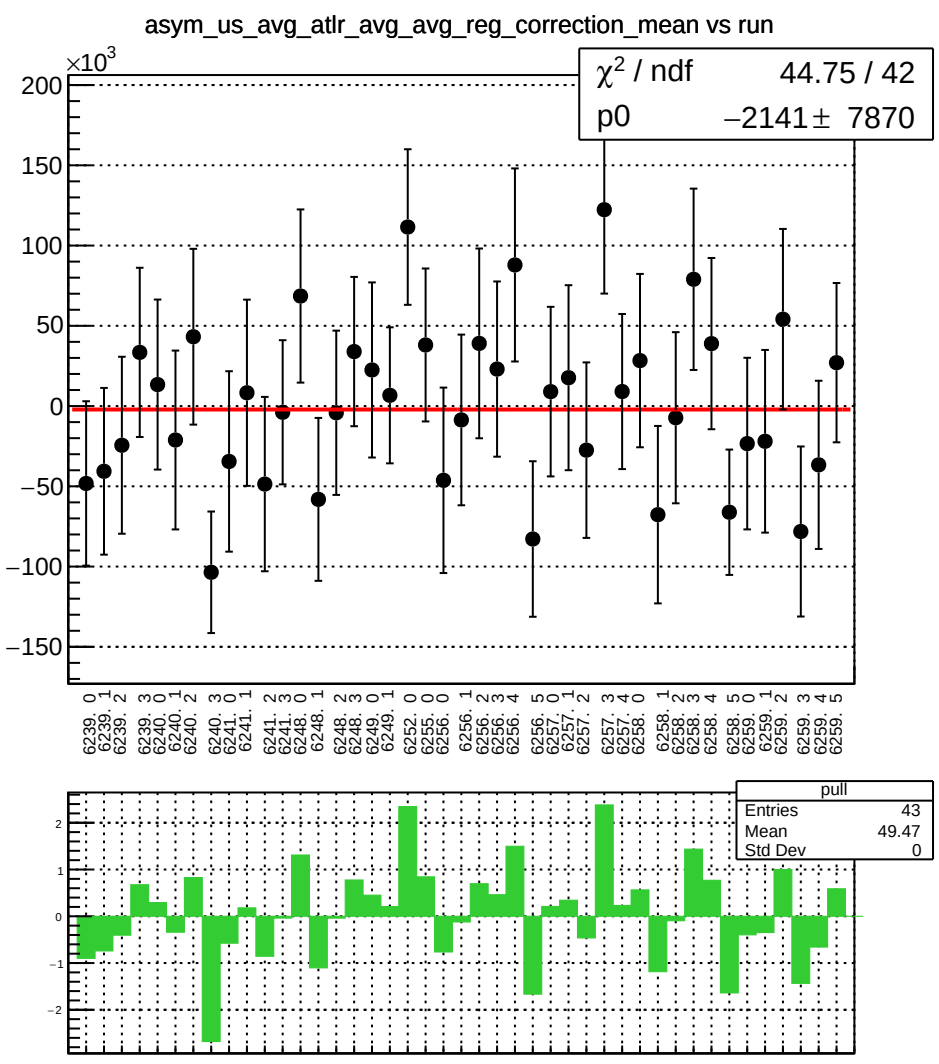

pull1D
Entries 43
Mean −0.125
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

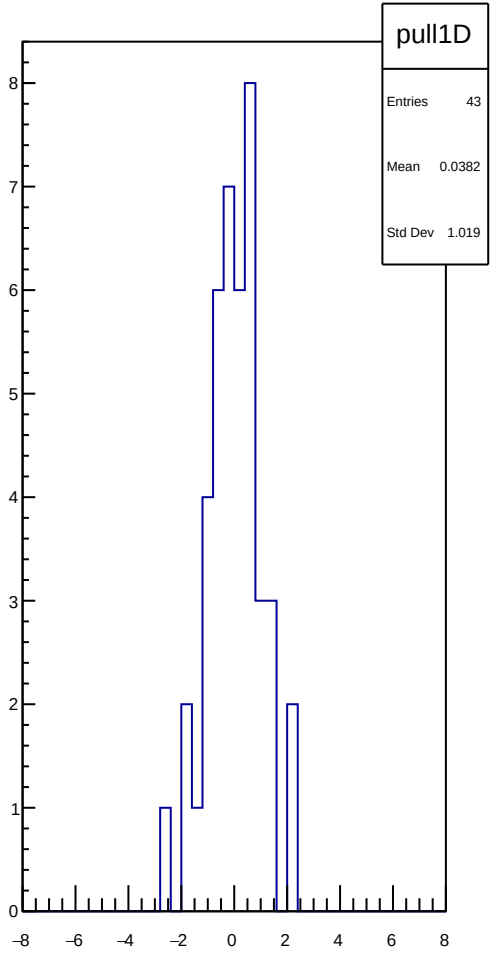

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.8e+05 / 42
p0 2.194e−10 ± 2.858e−13
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

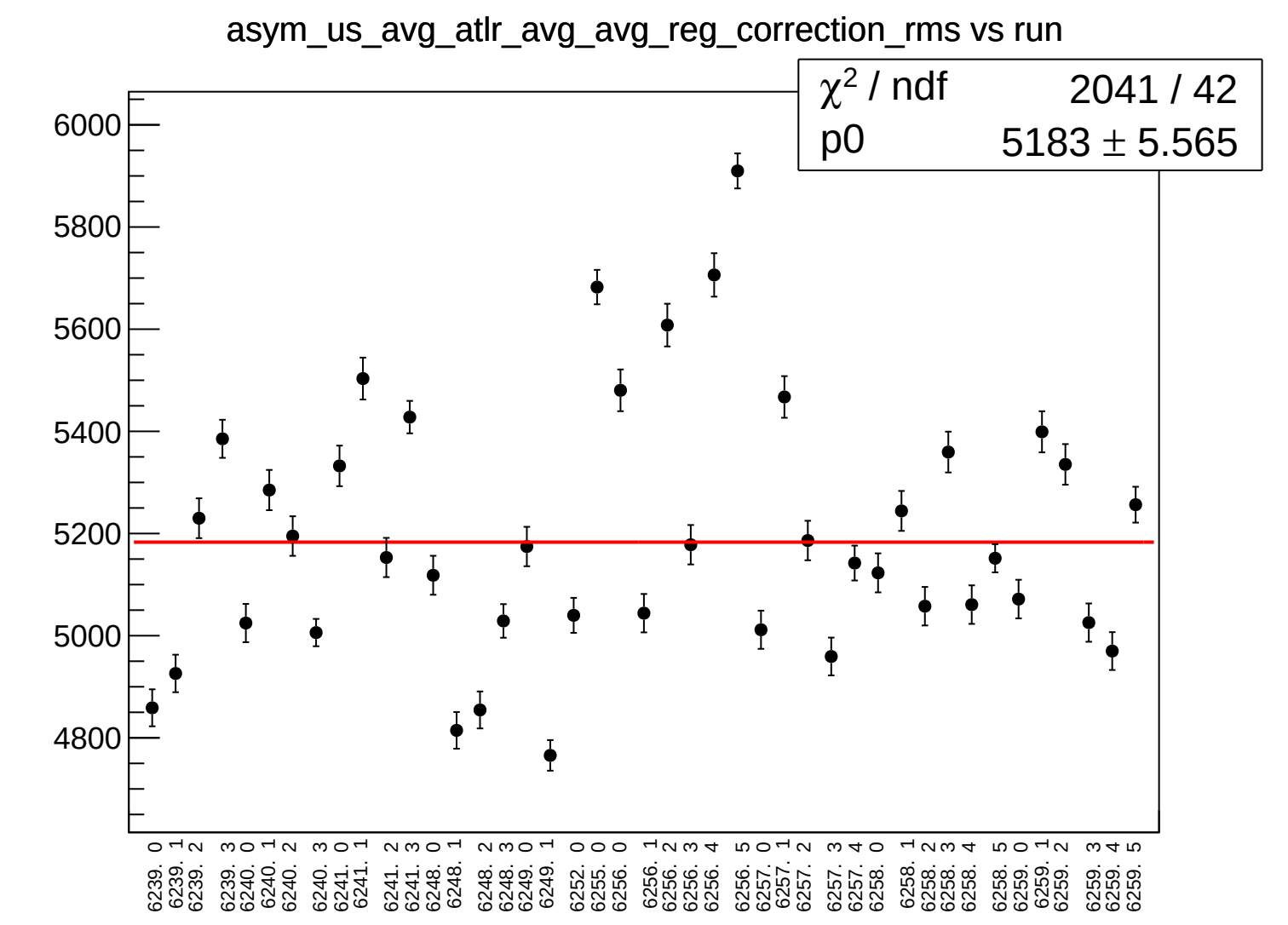

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 29.91 / 42
p0 4676 ± 2694
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −377.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

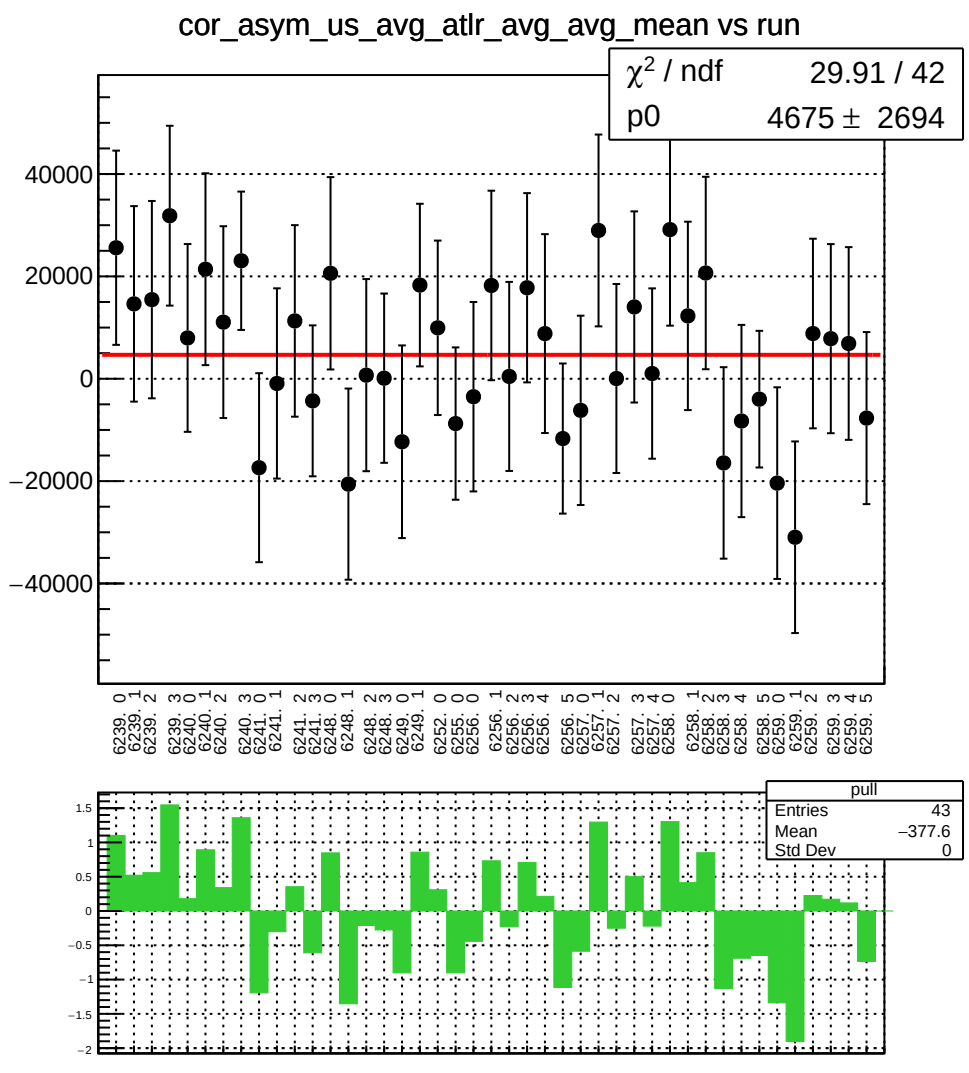

pull1D
Entries 43
Mean 0.008556
Std Dev 0.834
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

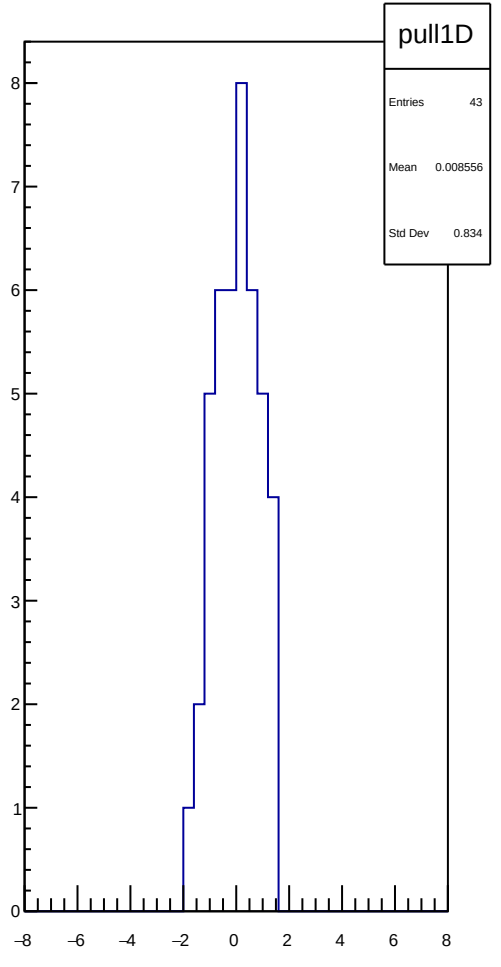

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 101.2 / 42
p0 1776 ± 1.905
1860
1840
1820
1800
1780
1760
1740
1720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

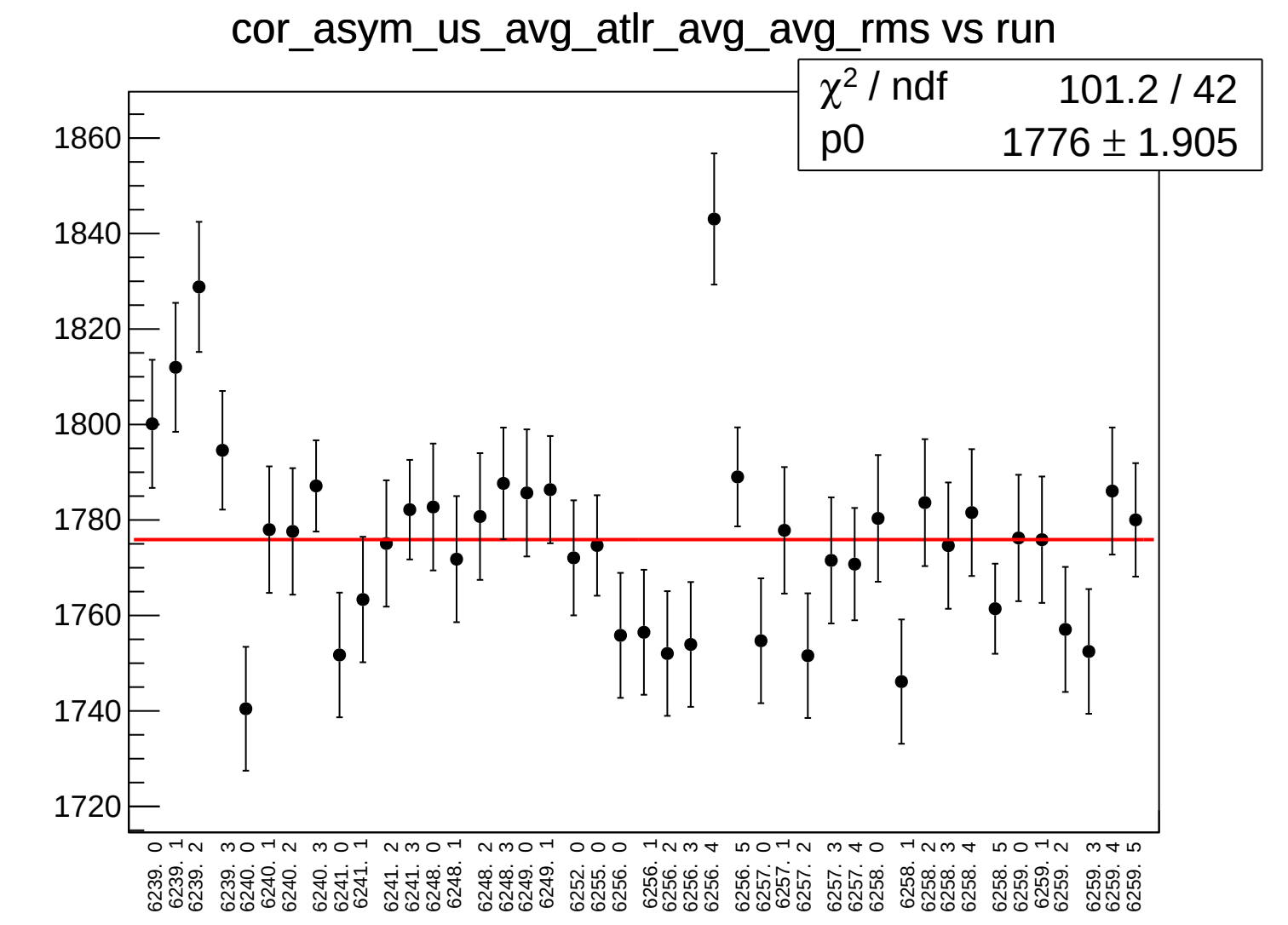

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 44.75 / 42
p0 −2141 ± 7870
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.47
Std Dev 0
2
1
0
−1
−2

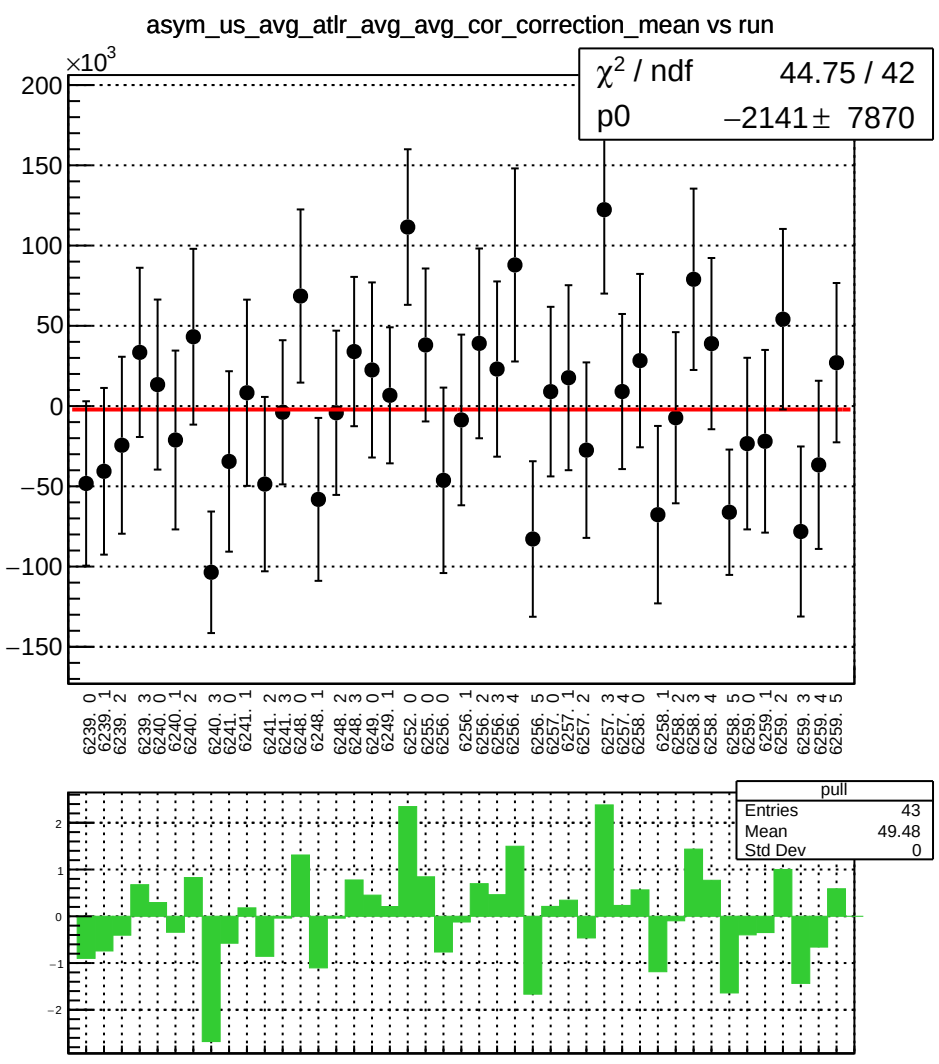

pull1D
Entries 43
Mean 0.0382
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

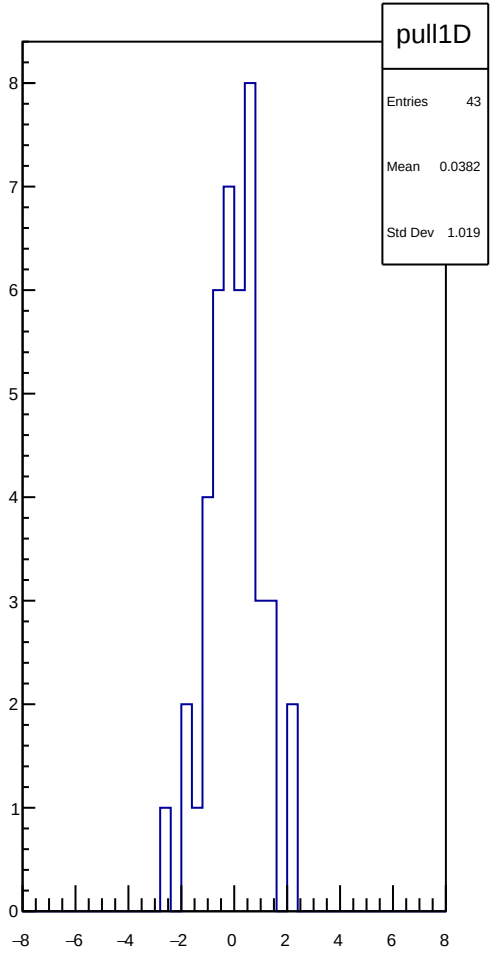

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 2041 / 42
p0 5183 ± 5.565
6000
5800
5600
5400
5200
5000
4800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

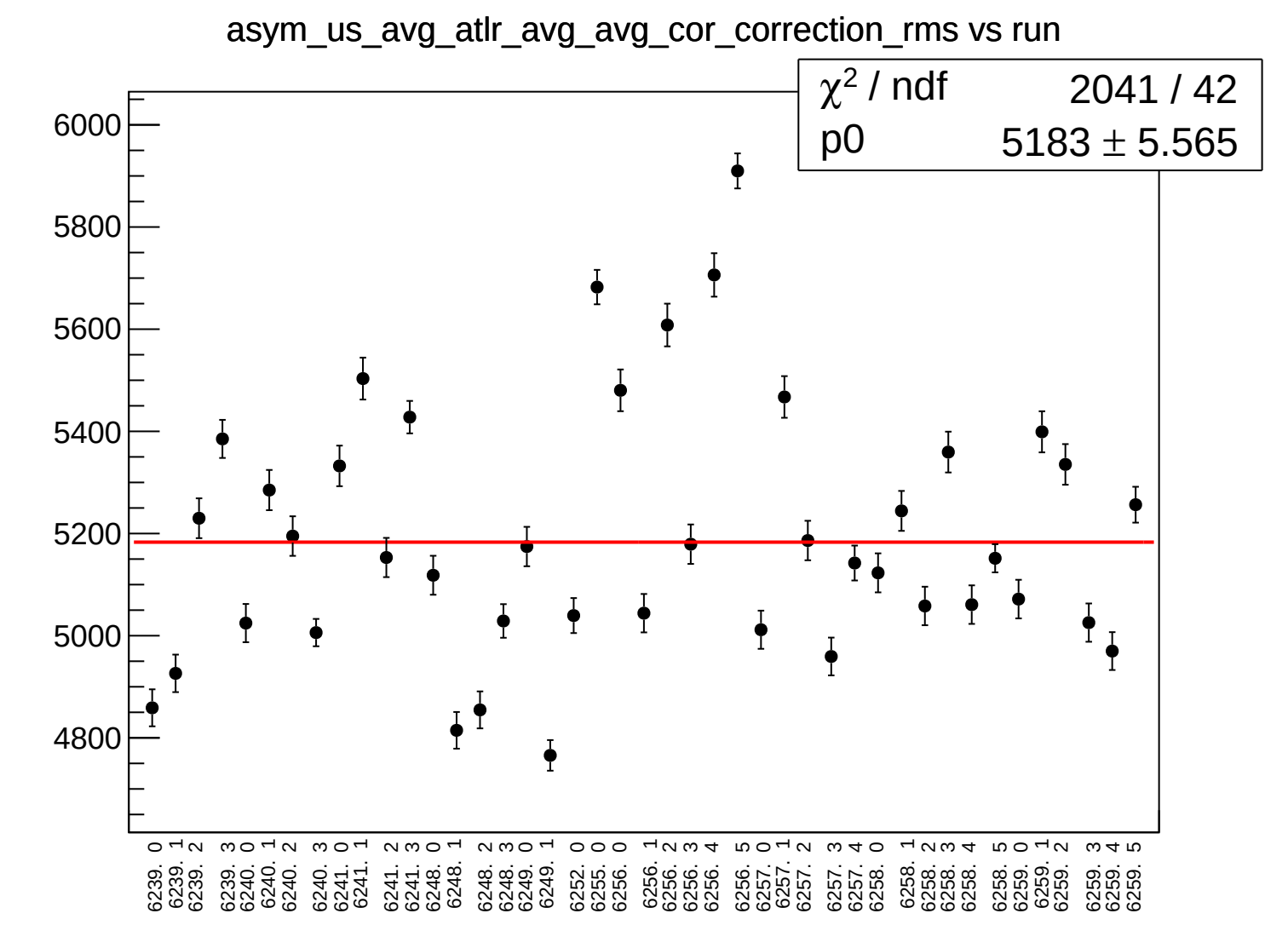

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 29.91 / 42
p0 4675 ± 2694
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −377.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

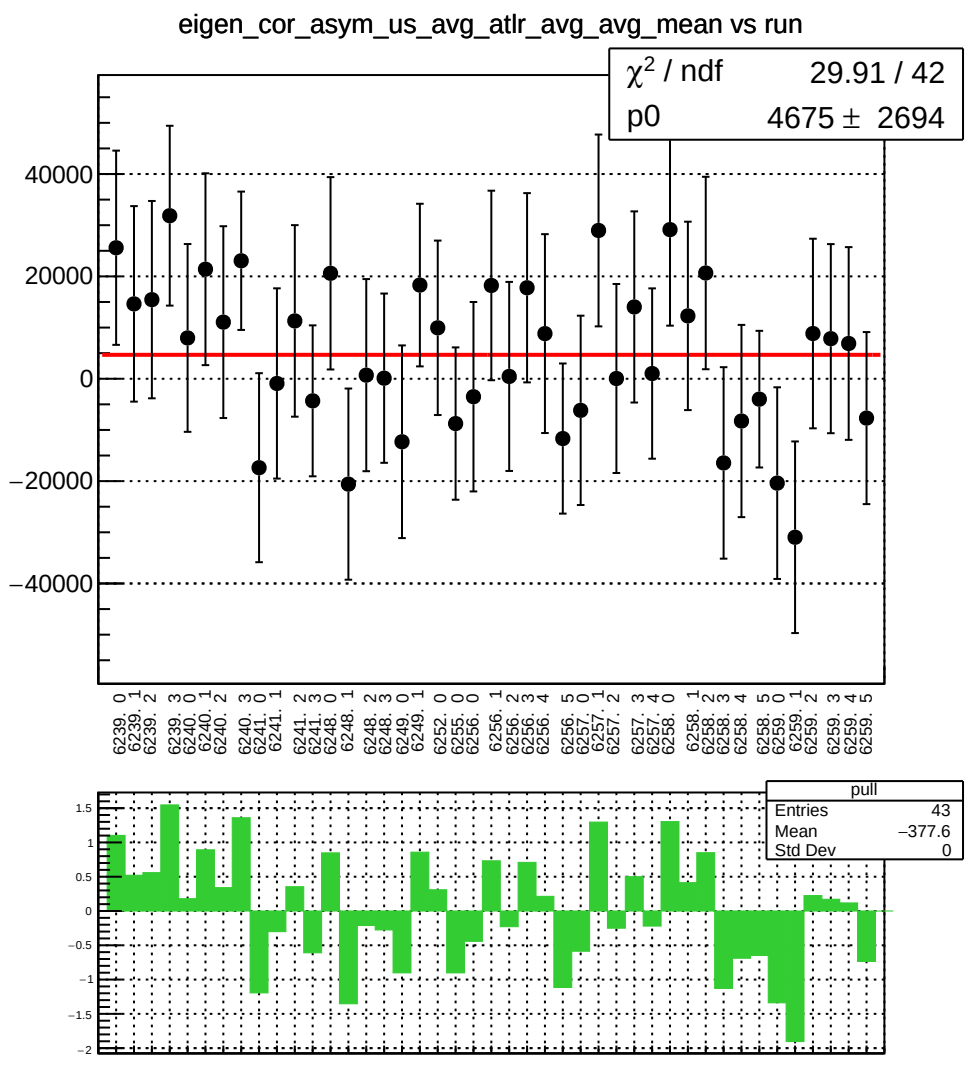

pull1D
Entries 43
Mean 0.008556
Std Dev 0.834
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

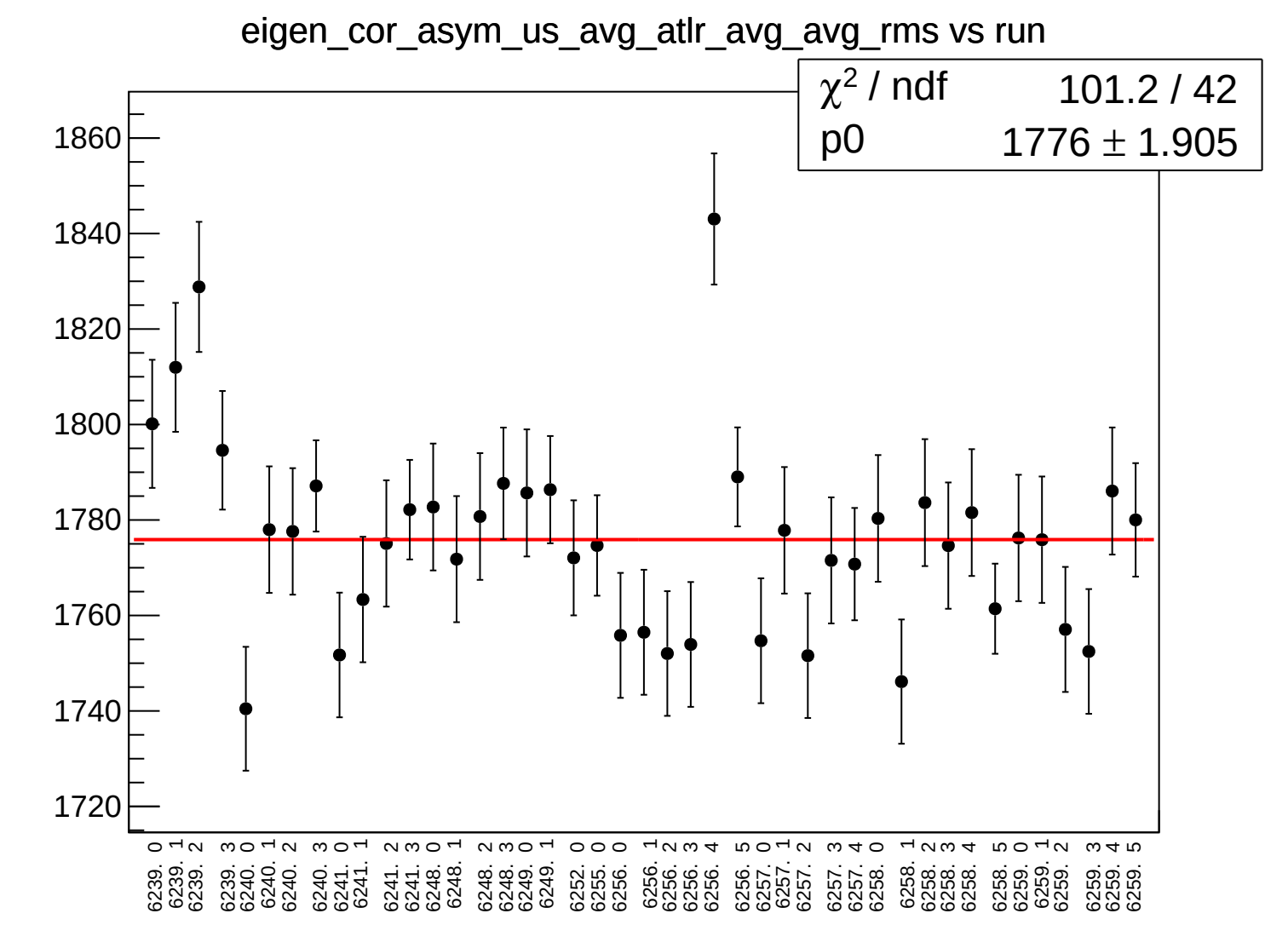

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 101.2 / 42
p0 1776 ± 1.905
1860
1840
1820
1800
1780
1760
1740
1720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

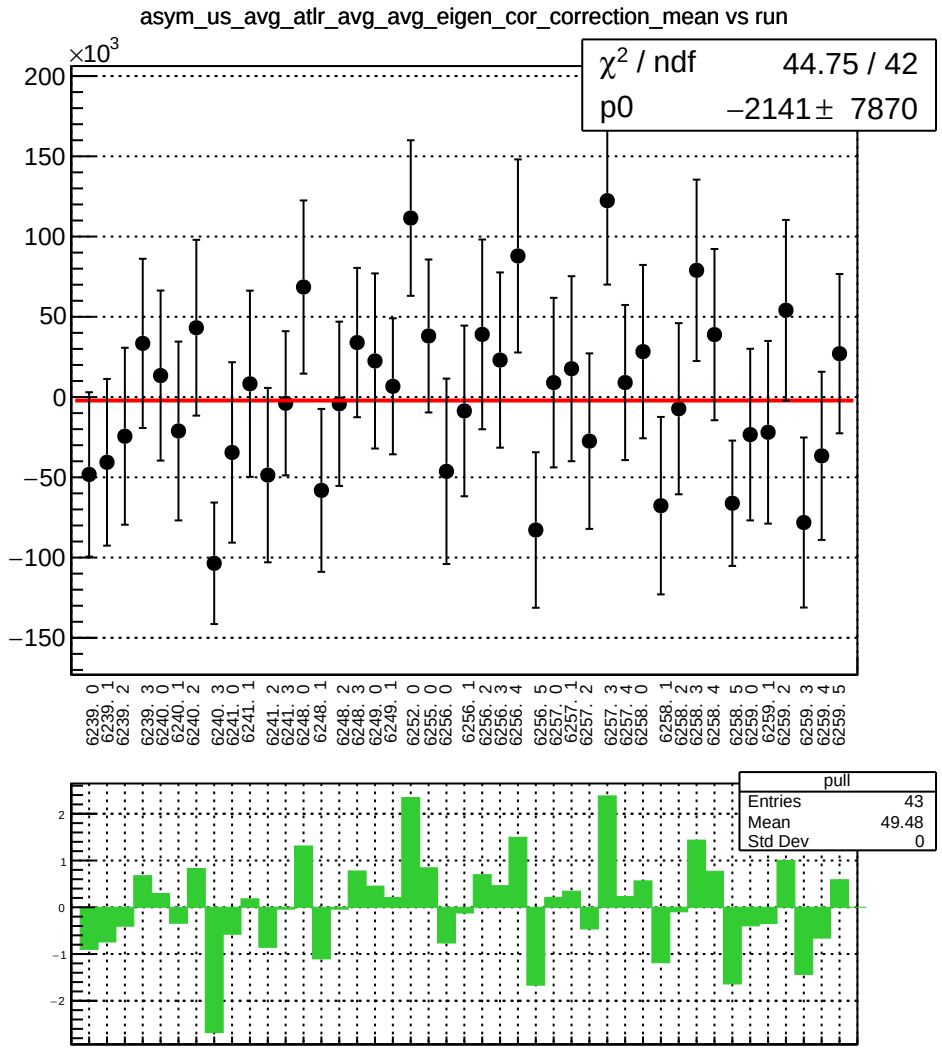

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 44.75 / 42
p0 −2141 ± 7870
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.48
Std Dev 0
2
1
0
−1
−2

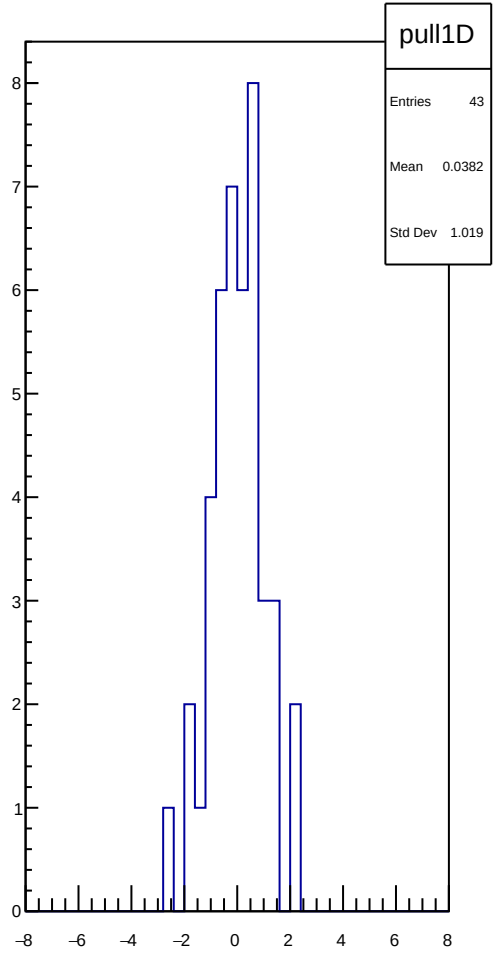

pull1D
Entries 43
Mean 0.0382
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

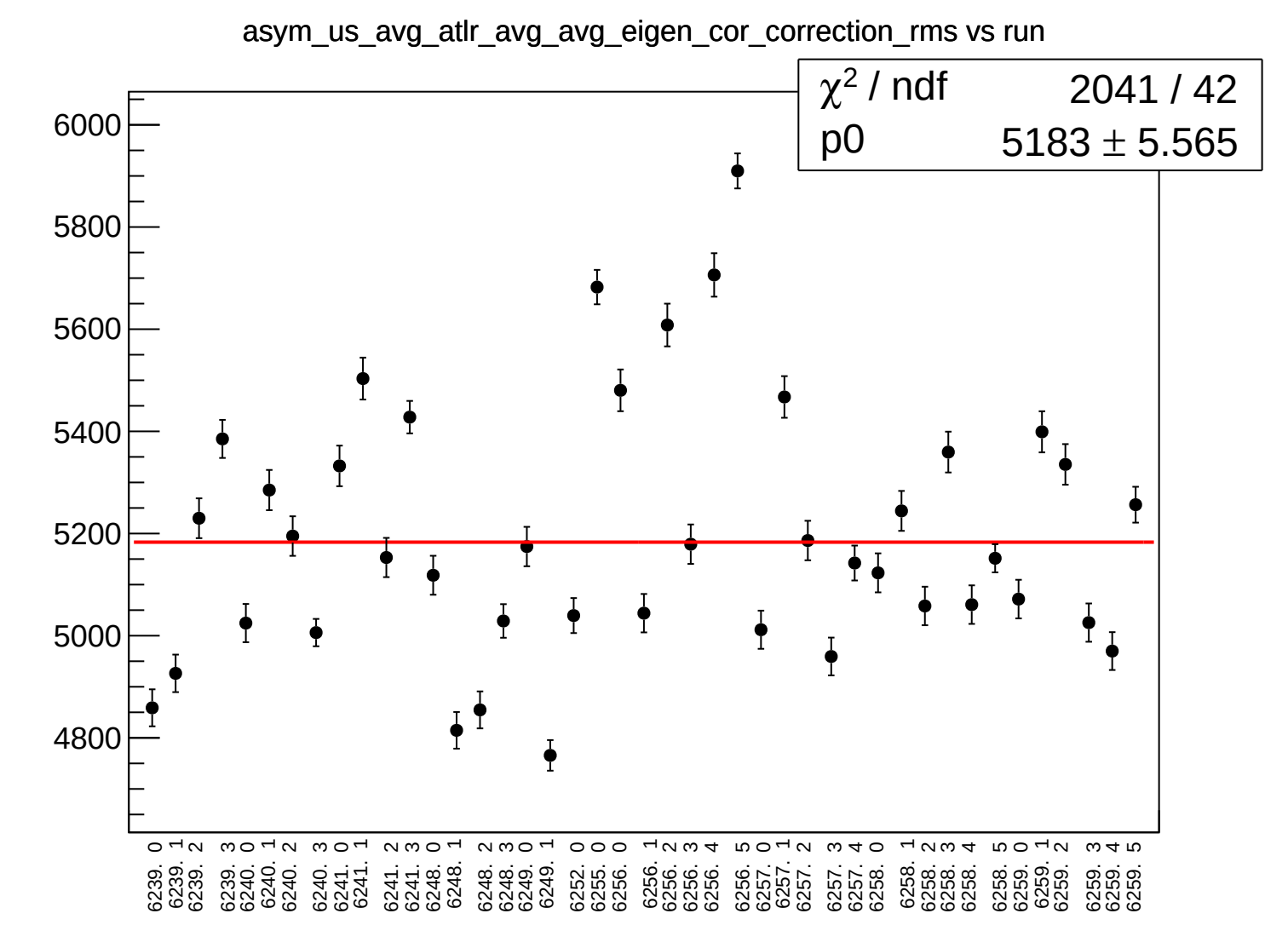

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 2041 / 42
p0 5183 ± 5.565
6000
5800
5600
5400
5200
5000
4800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

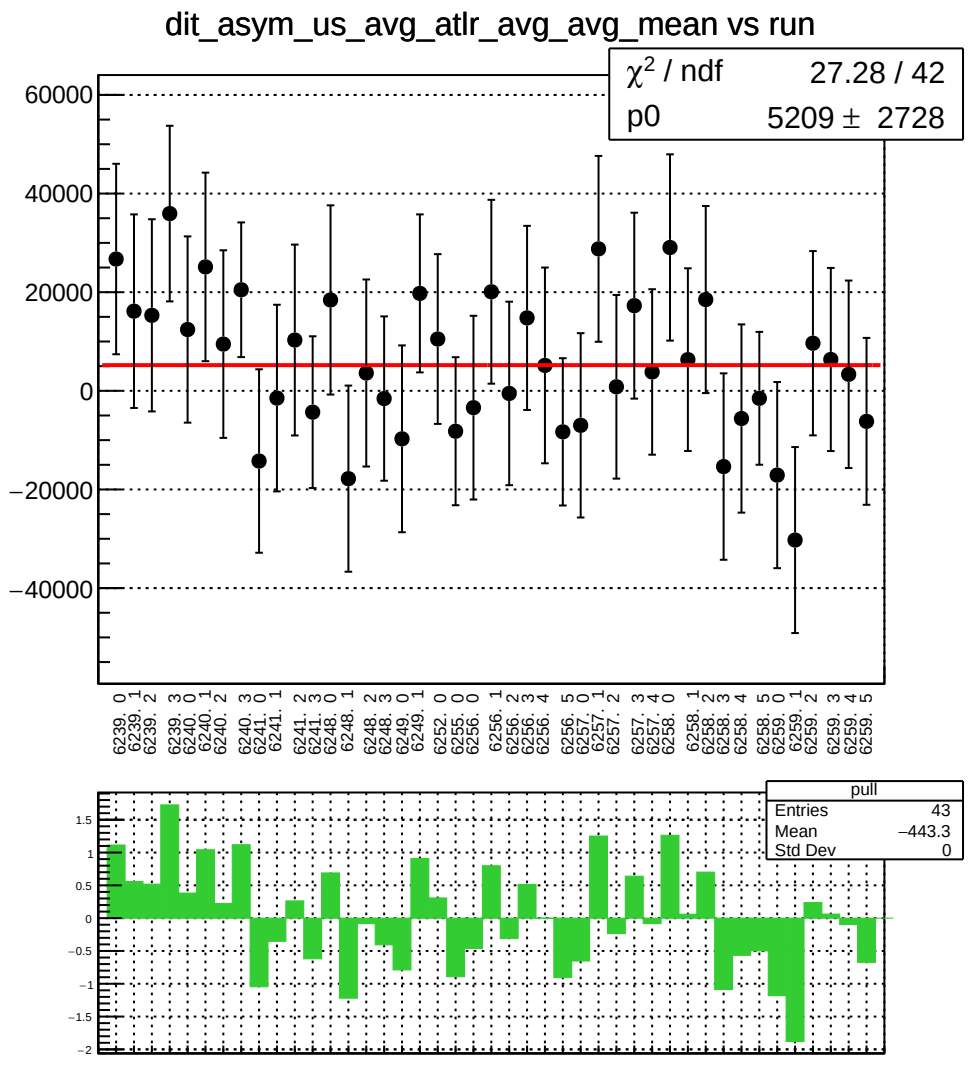

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 29.91 / 42
p0 4675 ± 2694
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −377.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.008556
Std Dev 0.834
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

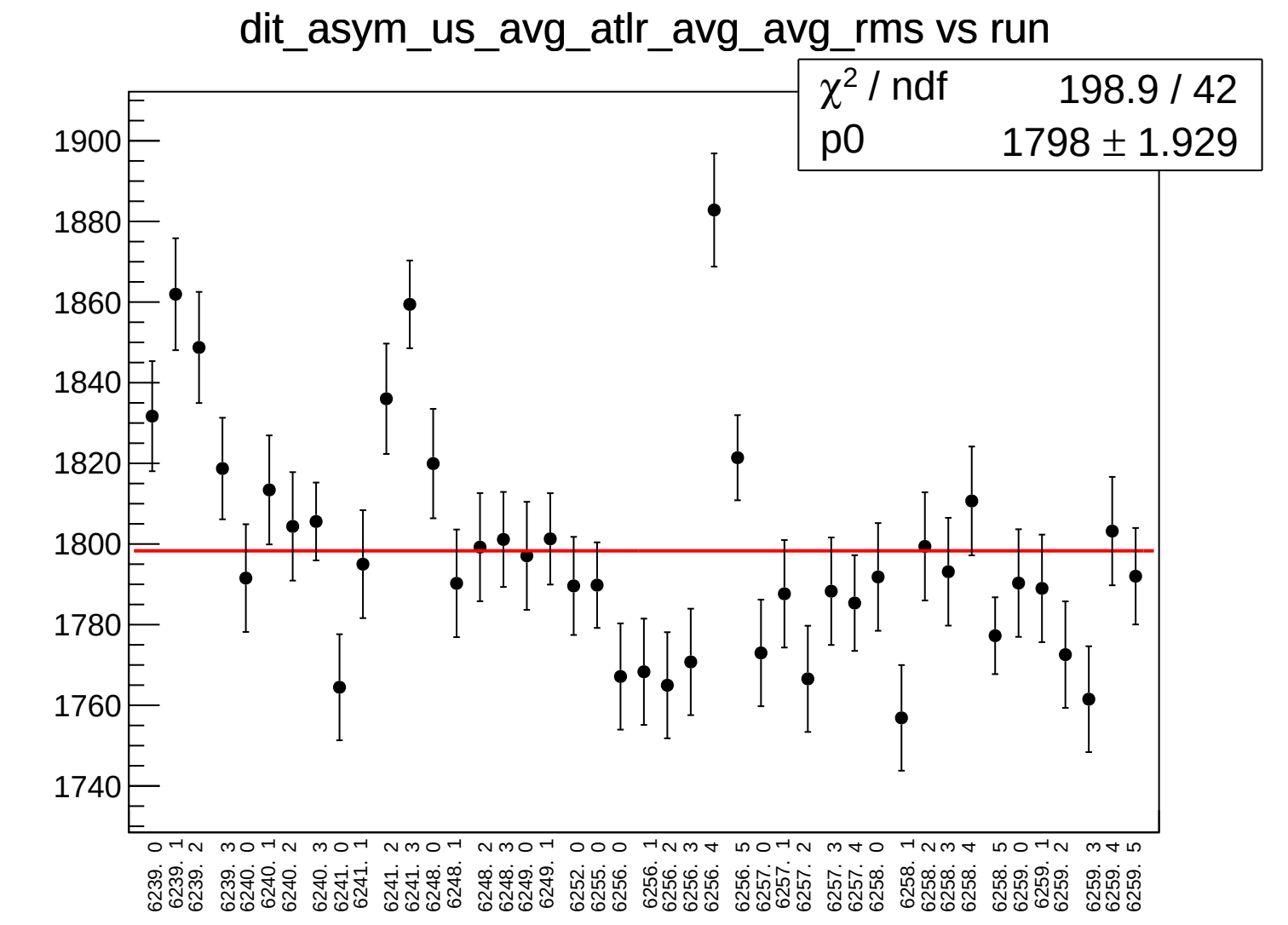

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 101.2 / 42
p0 1776 ± 1.905
1860
1840
1820
1800
1780
1760
1740
1720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

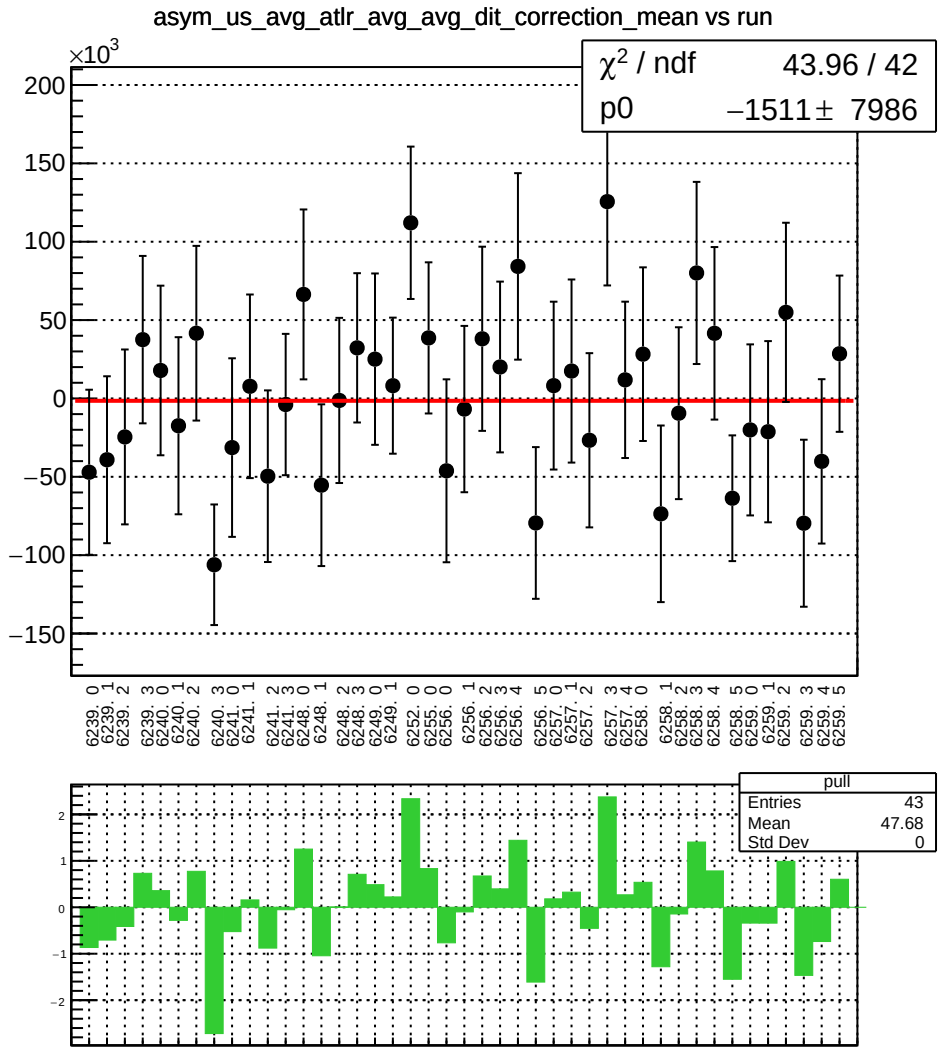

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 44.75 / 42
p0 −2141 ± 7870
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.48
Std Dev 0
2
1
0
−1
−2

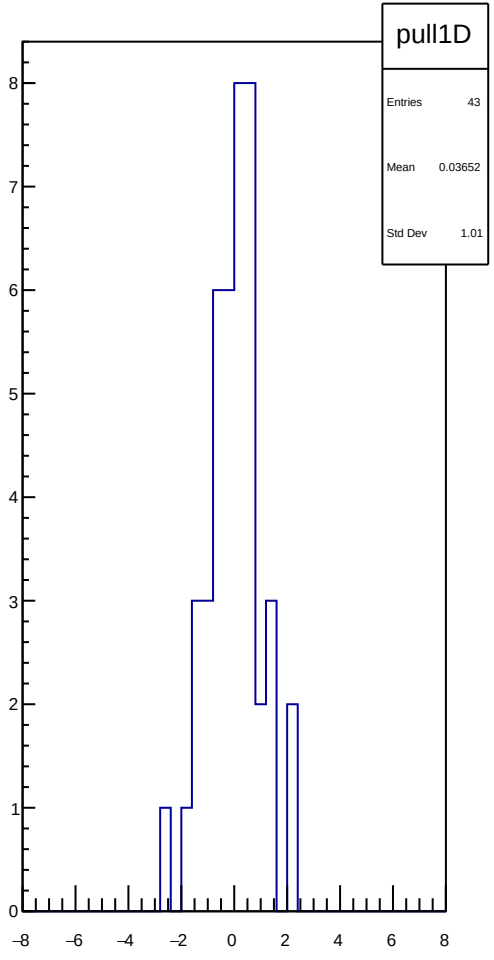

pull1D
Entries 43
Mean 0.0382
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

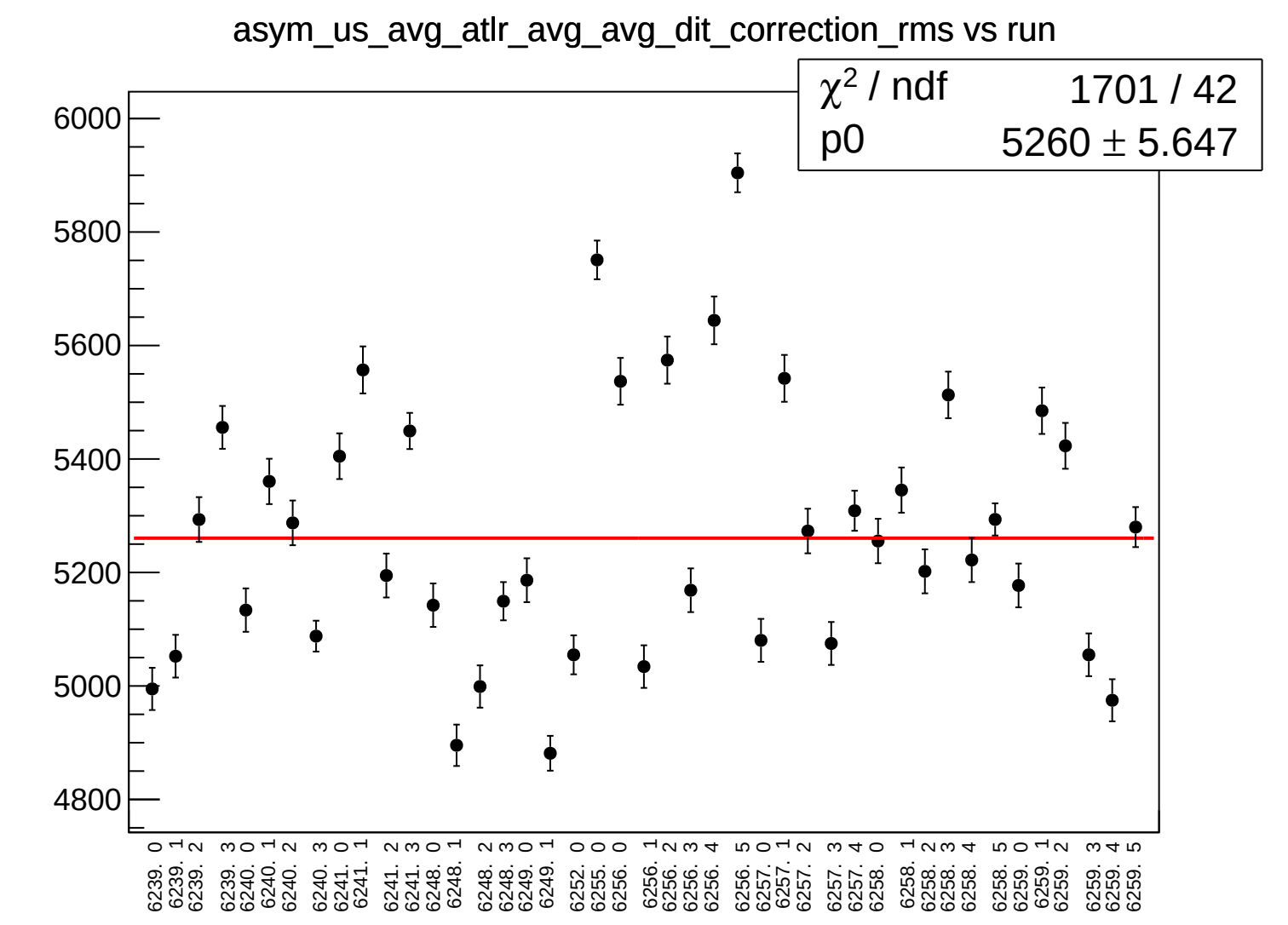

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2041 / 42
p0 5183 ± 5.565
6000
5800
5600
5400
5200
5000
4800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

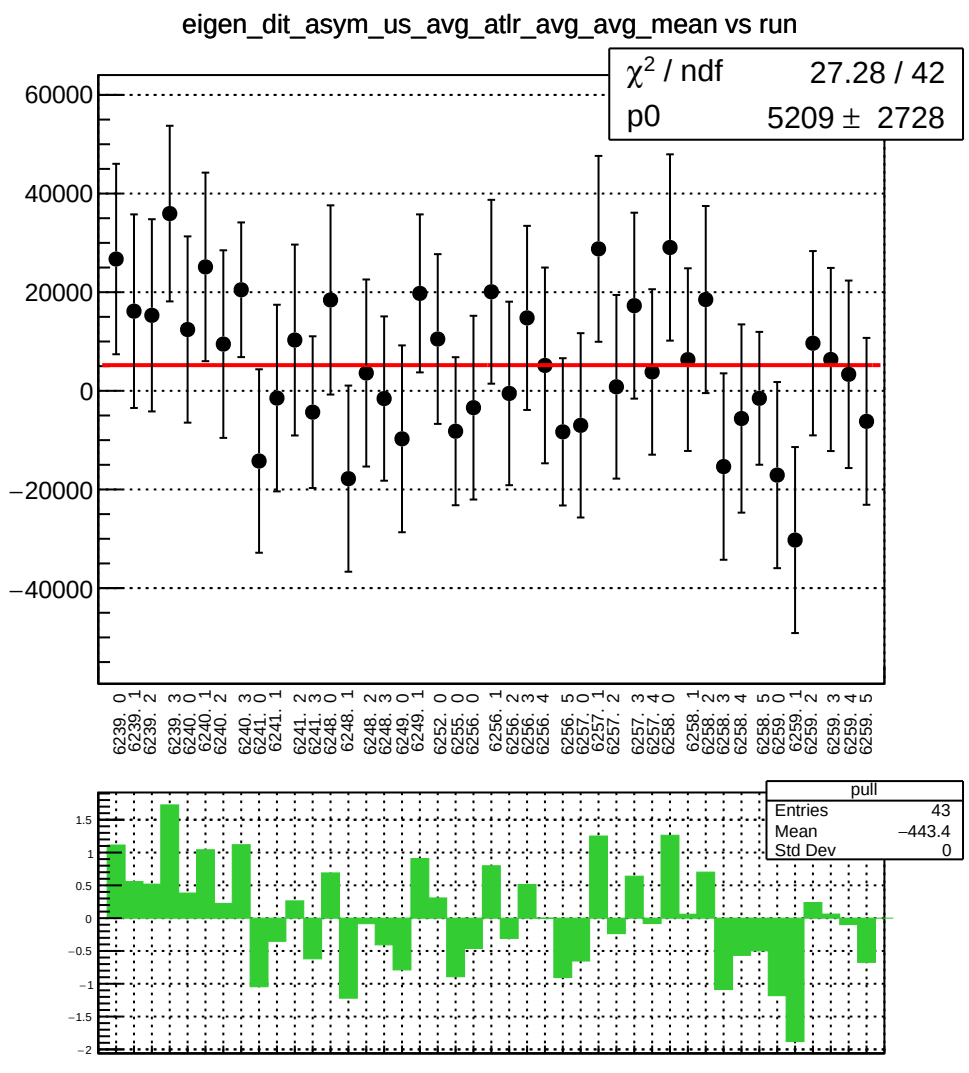

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 27.28 / 42
p0 5209 ± 2728
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −443.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007687
Std Dev 0.7964
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

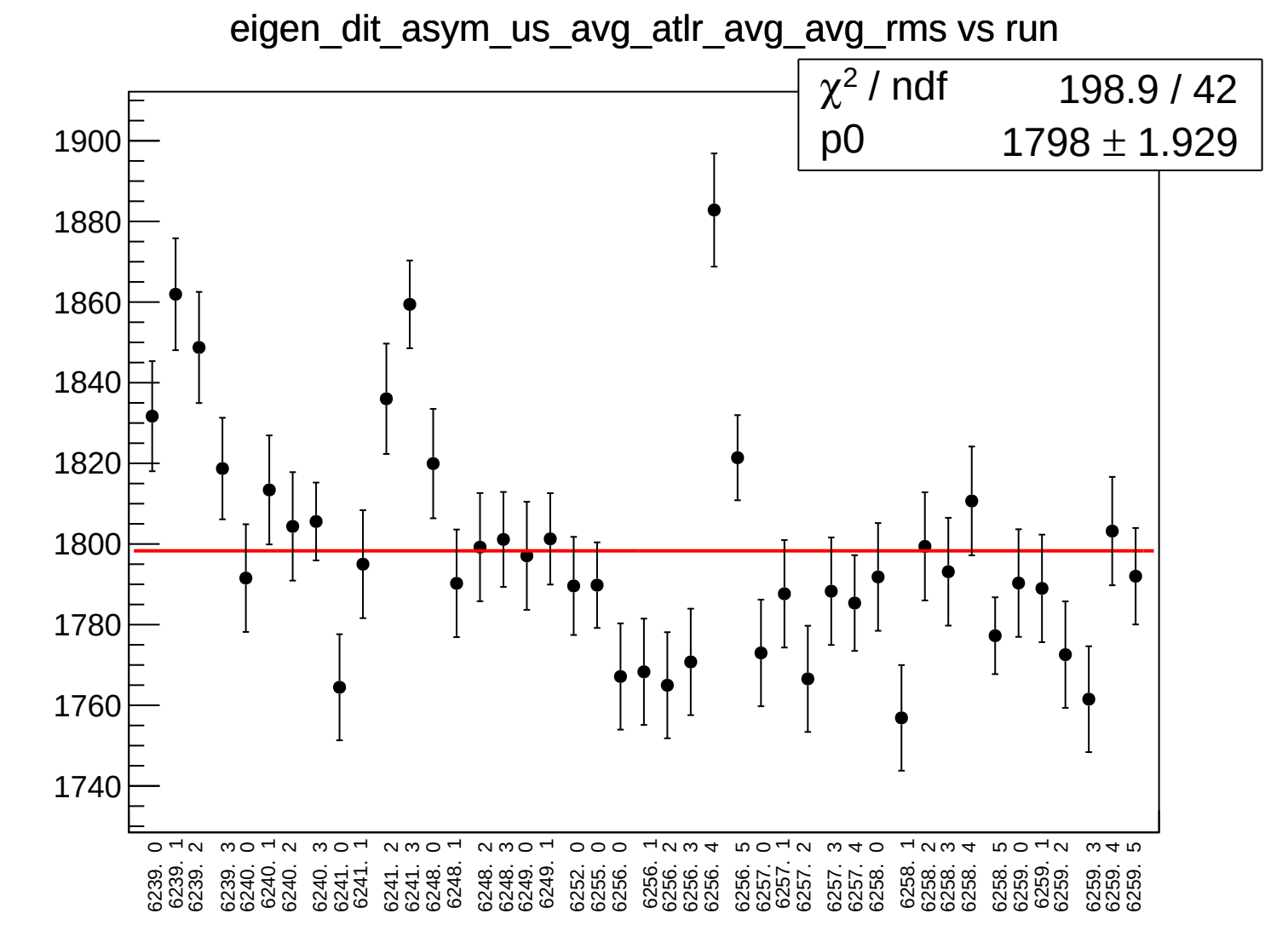

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 198.9 / 42
p0 1798 ± 1.929
1900
1880
1860
1840
1820
1800
1780
1760
1740
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

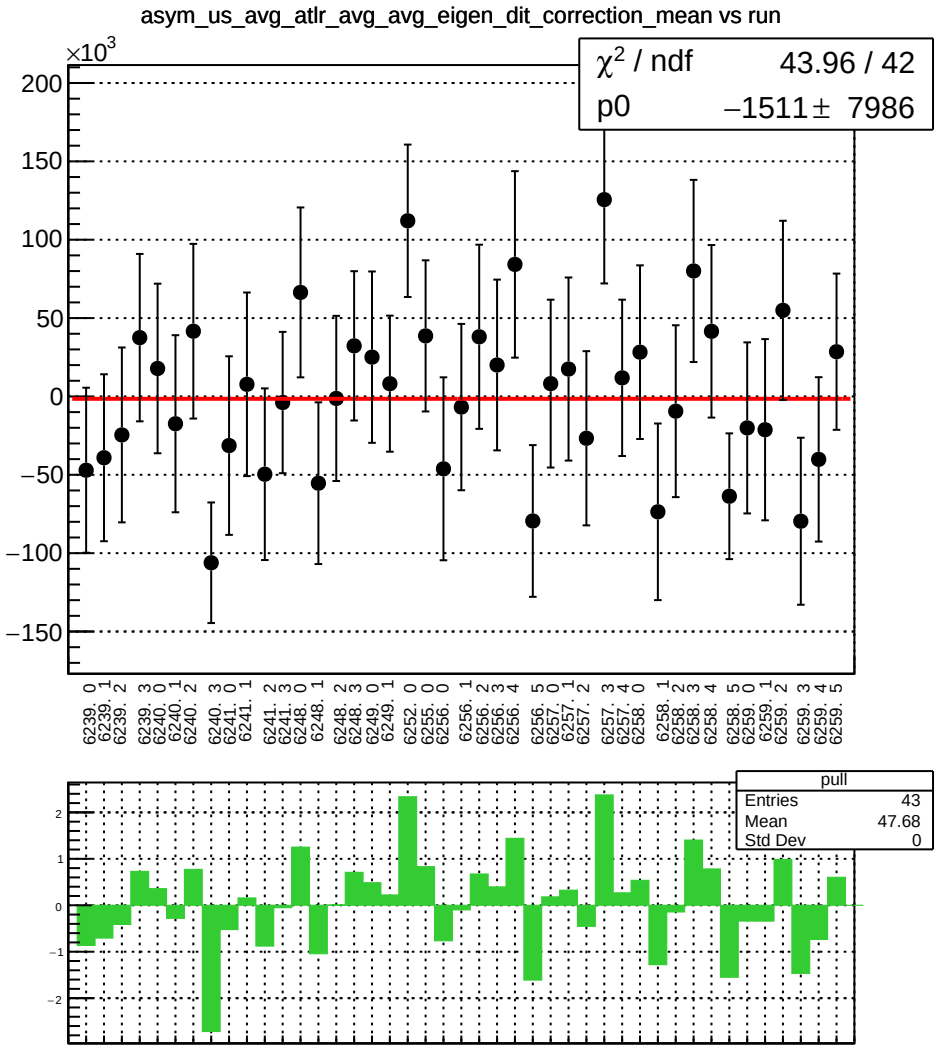

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.96 / 42
p0 −1511 ± 7986
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.68
Std Dev 0
2
1
0
−1
−2

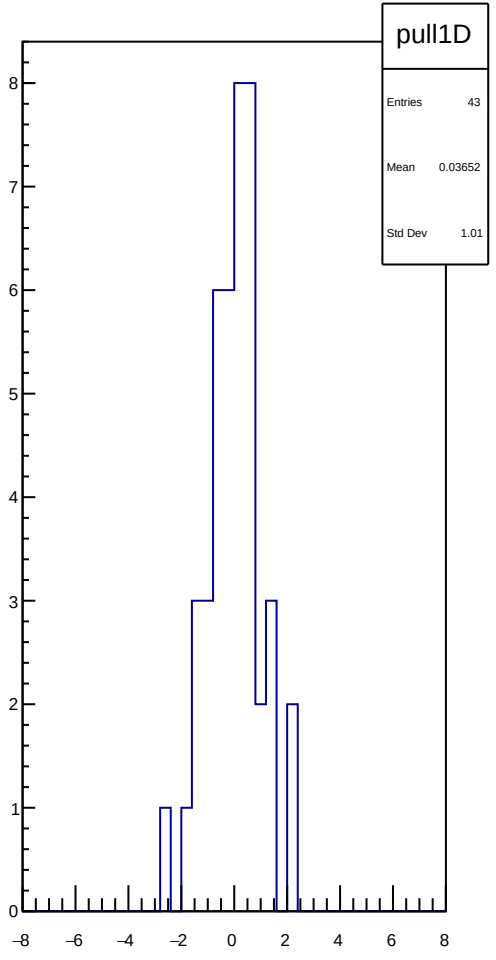

pull1D
Entries 43
Mean 0.03652
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

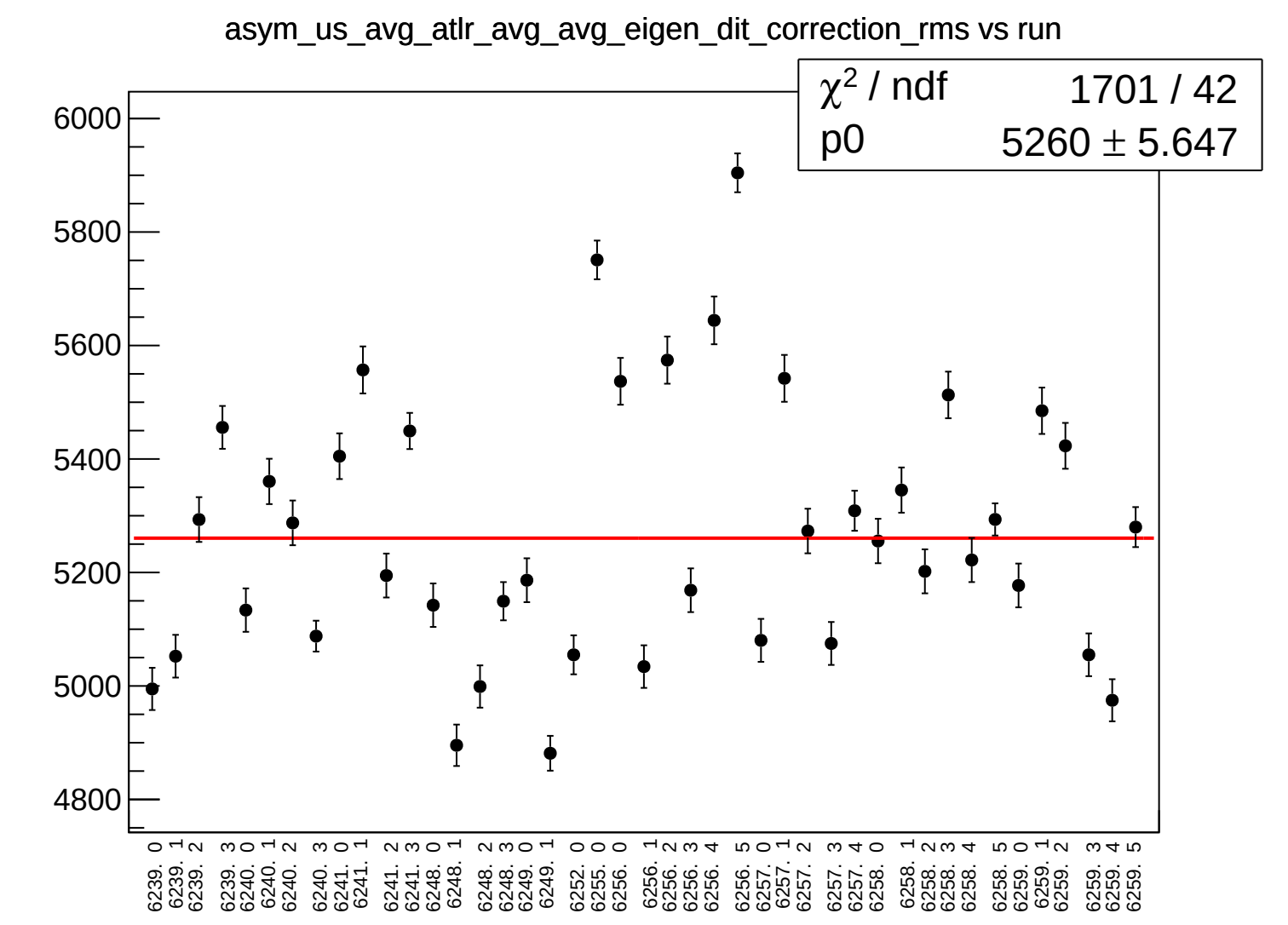

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 1701 / 42
p0 5260 ± 5.647
6000
5800
5600
5400
5200
5000
4800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

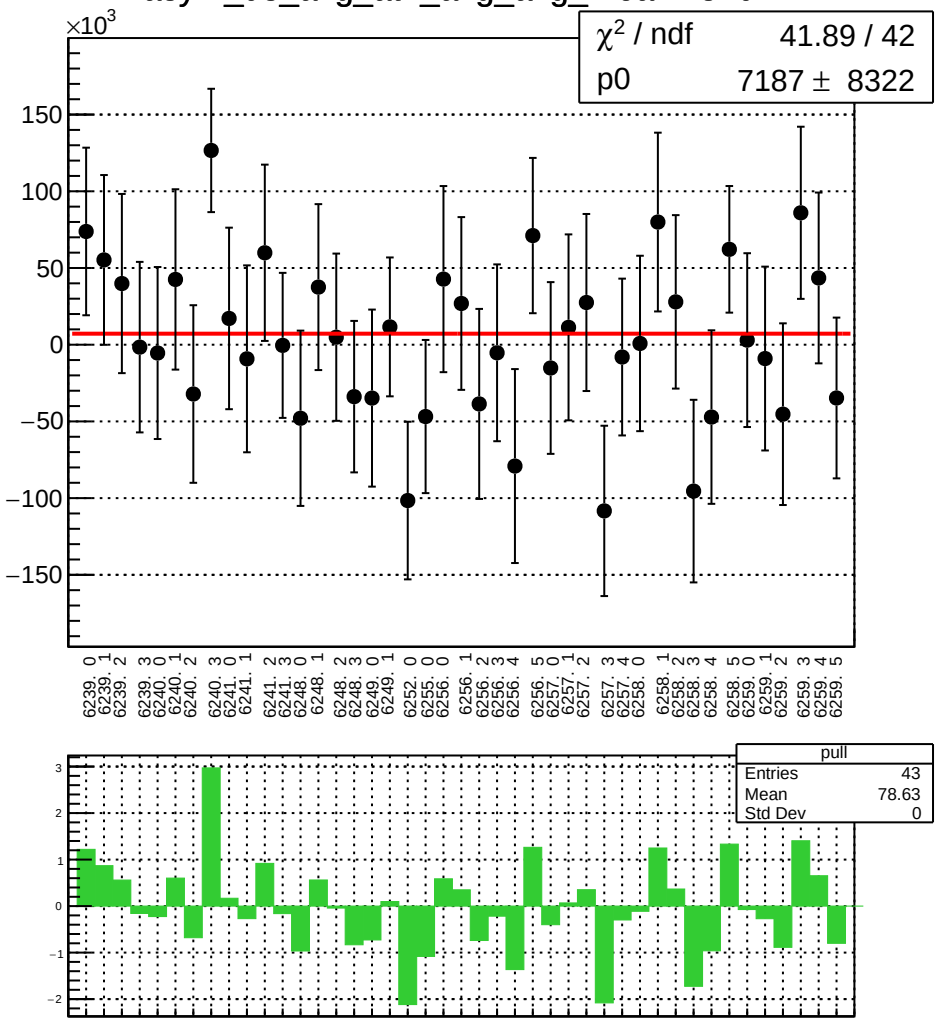

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 27.28 / 42
p0 5209 ± 2728
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −443.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007687
Std Dev 0.7964
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

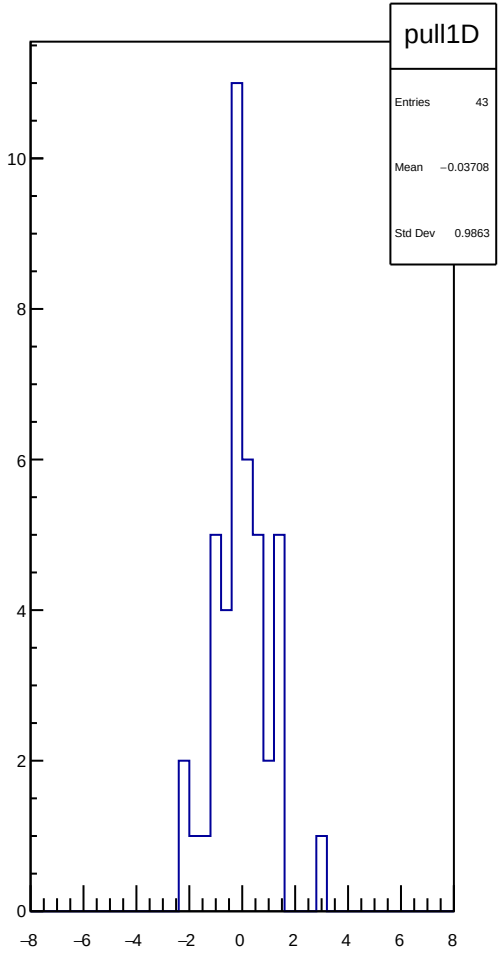

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 198.9 / 42
p0 1798 ± 1.929
1900
1880
1860
1840
1820
1800
1780
1760
1740
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

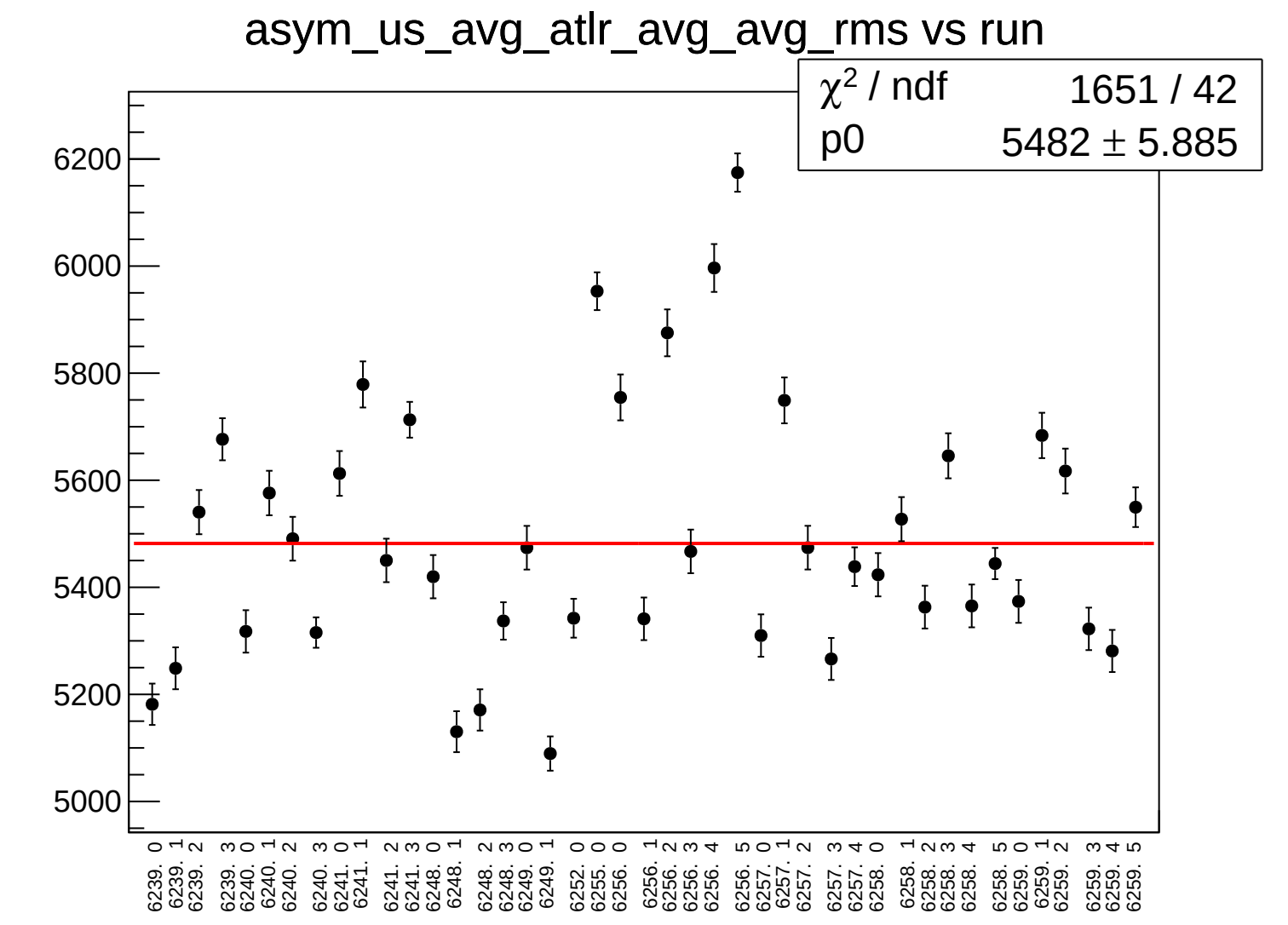

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 43.96 / 42
p0 −1511 ± 7986
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.68
Std Dev 0
2
1
0
−1
−2

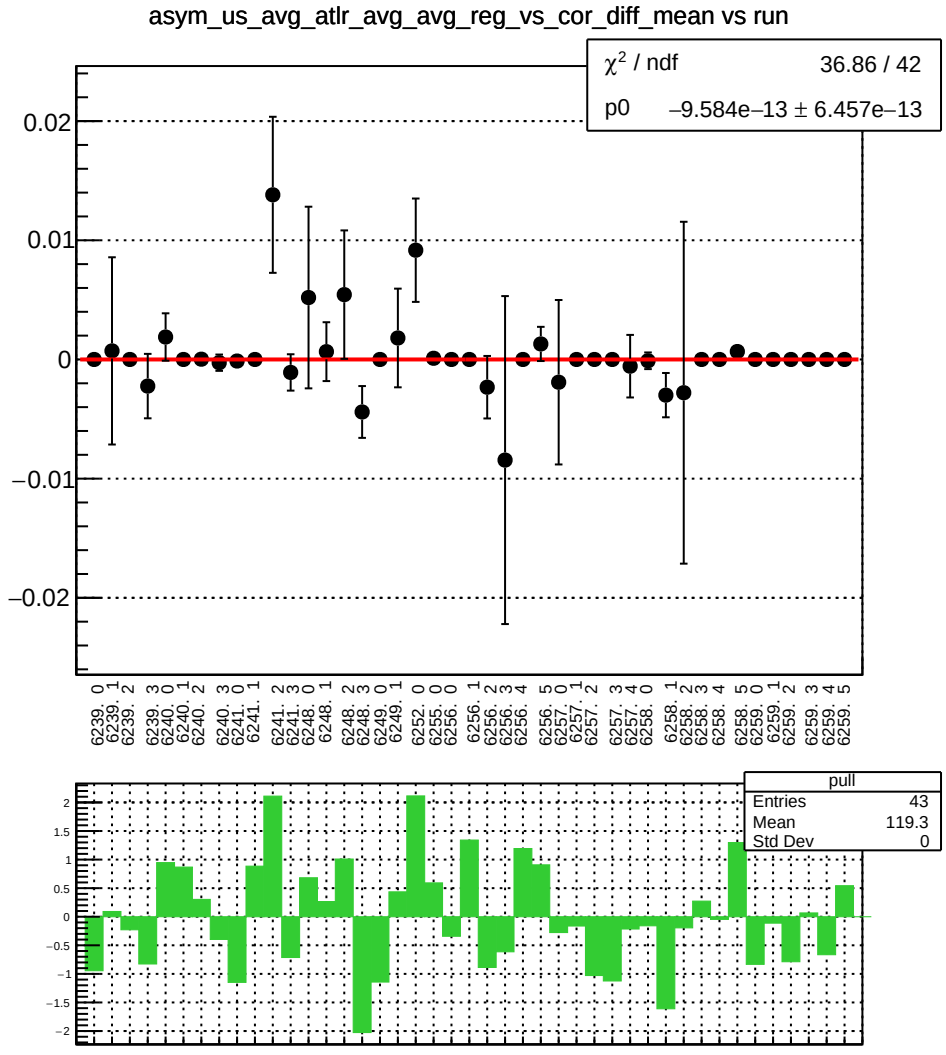

pull1D
Entries 43
Mean 0.03652
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

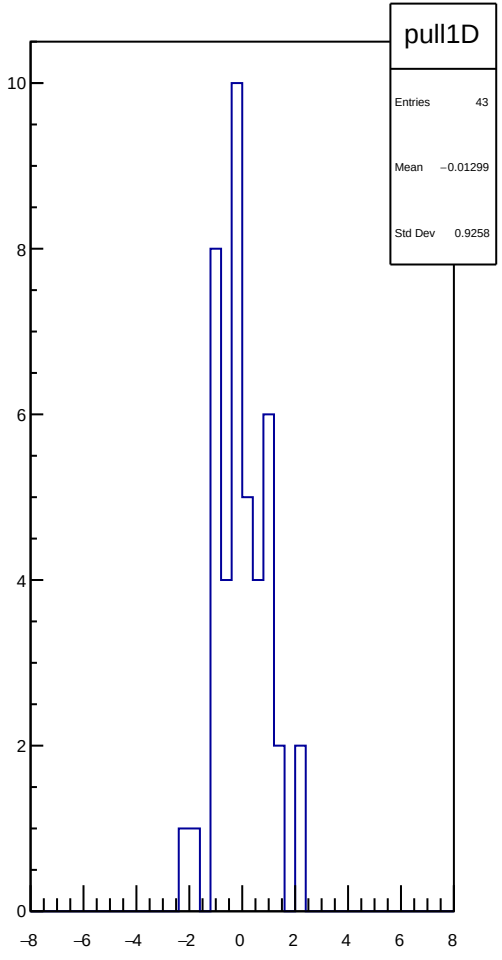

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1701 / 42
p0 5260 ± 5.647
6000
5800
5600
5400
5200
5000
4800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

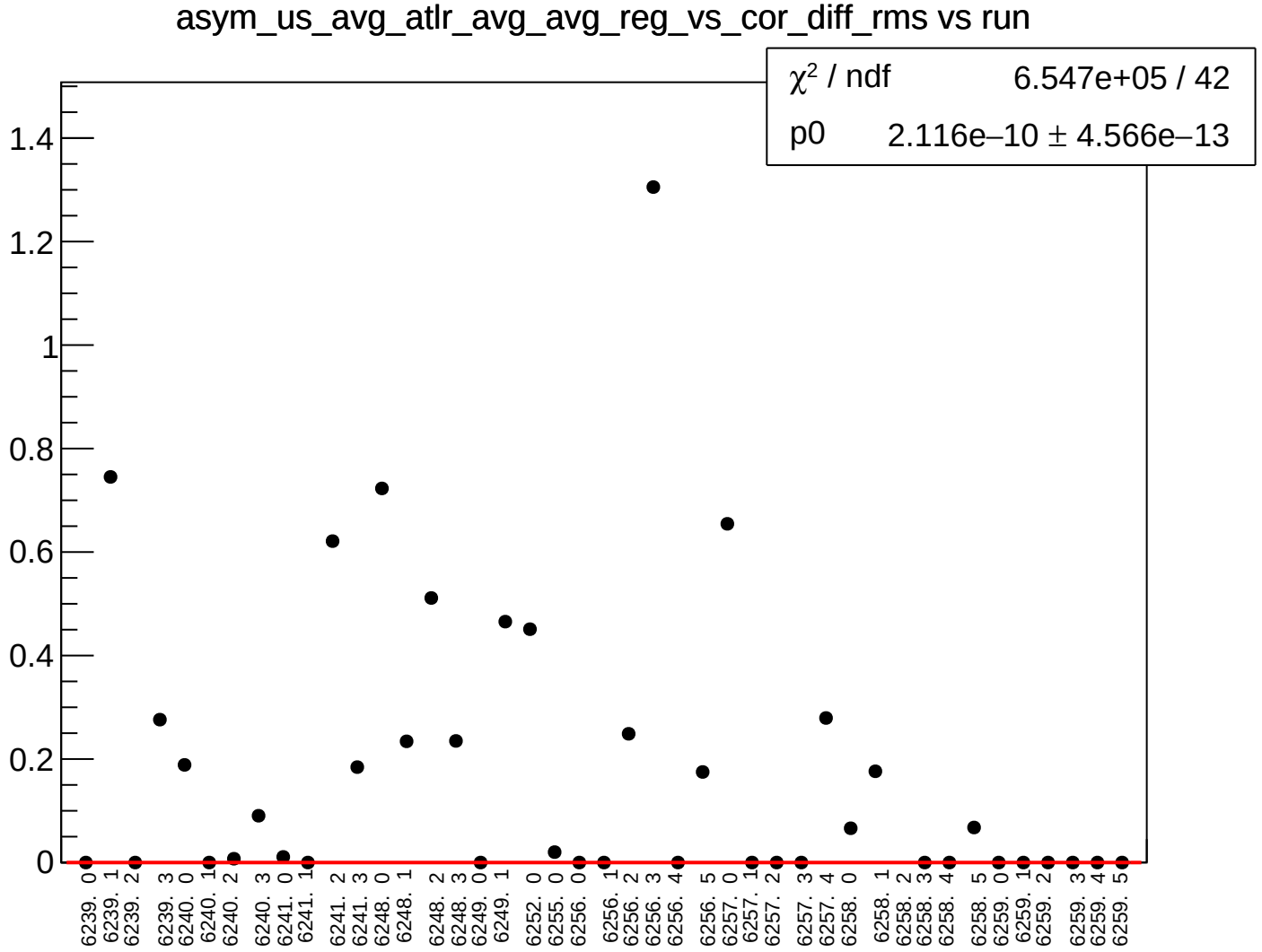

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 41.89 / 42
p0 7187 ± 8322
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 78.63
Std Dev 0
3
2
1
0
−1
−2

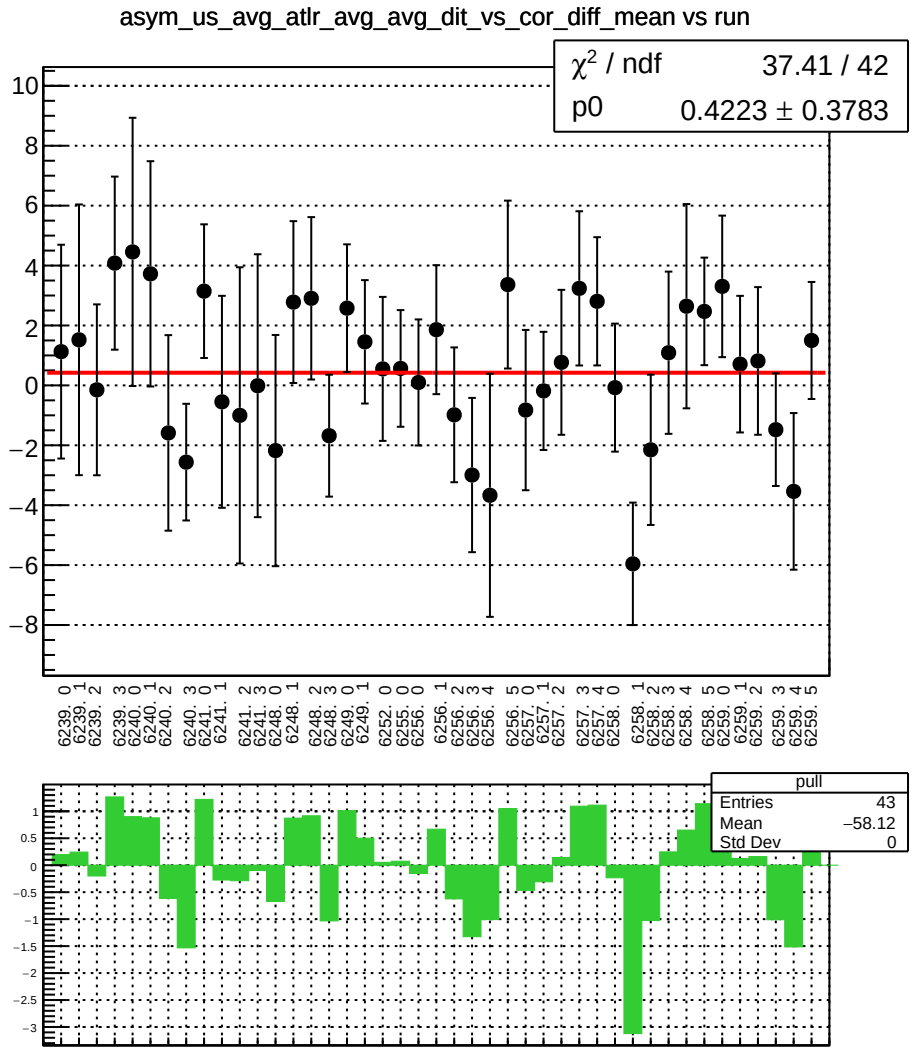

pull1D
Entries 43
Mean −0.03708
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

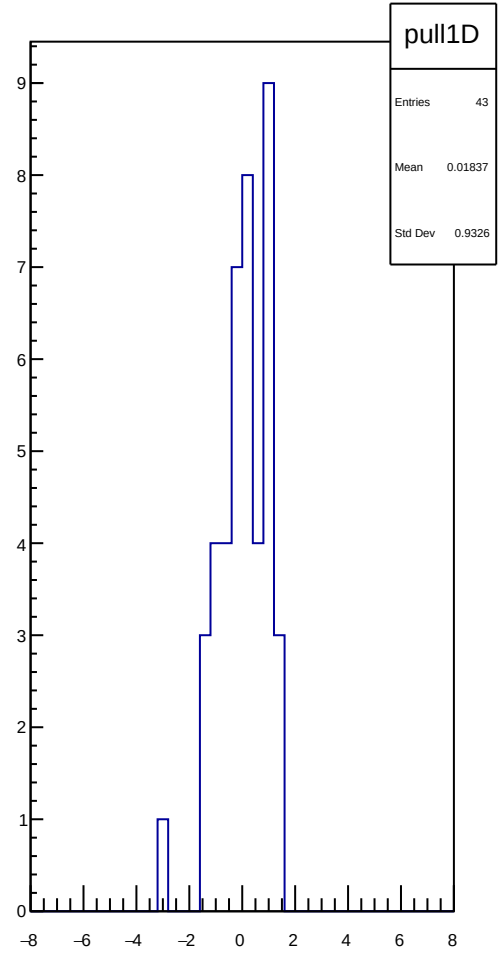

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1651 / 42
p0 5482 ± 5.885
6200
6000
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

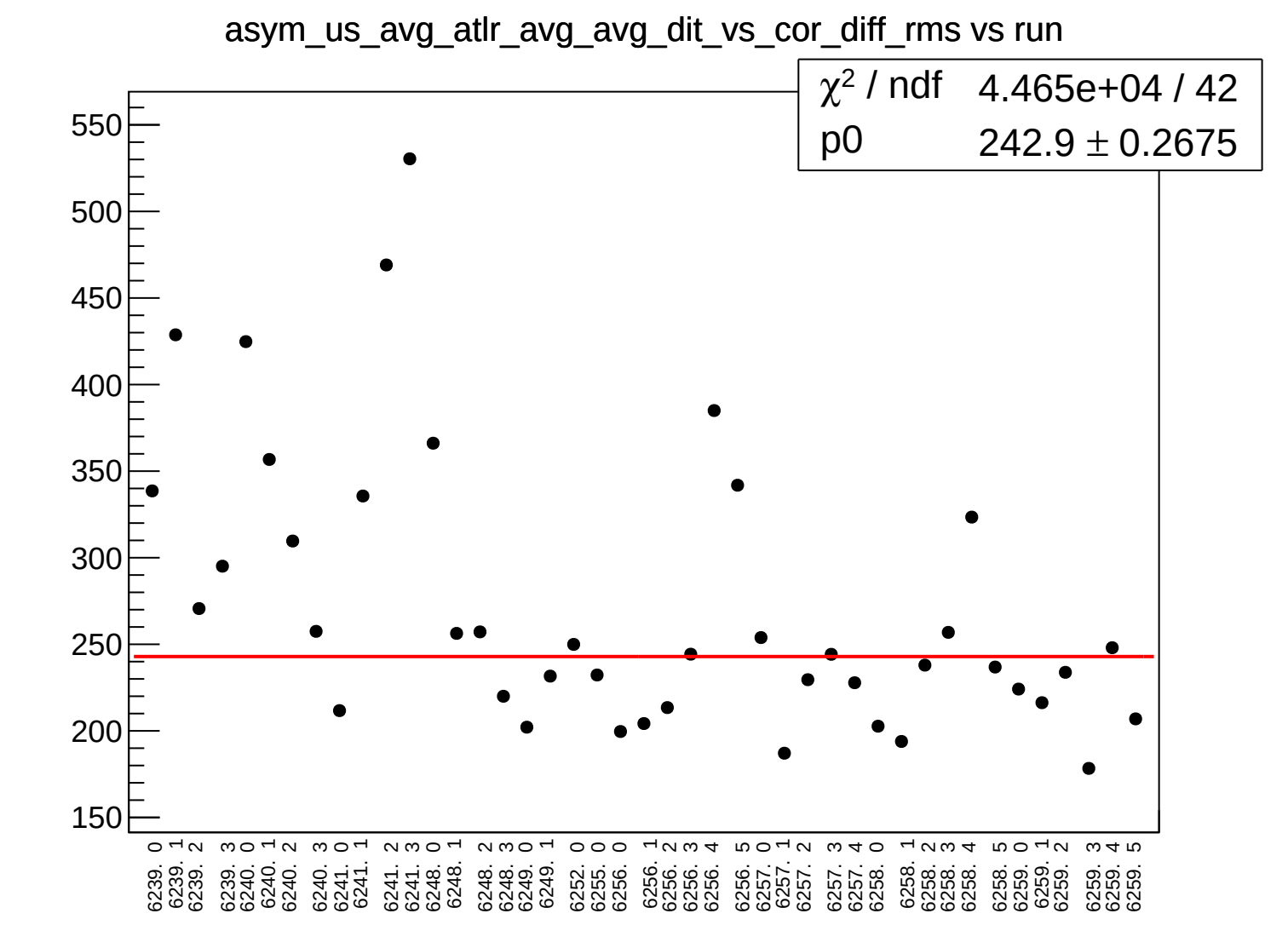

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.86 / 42
p0 −9.584e−13 ± 6.457e−13
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 119.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

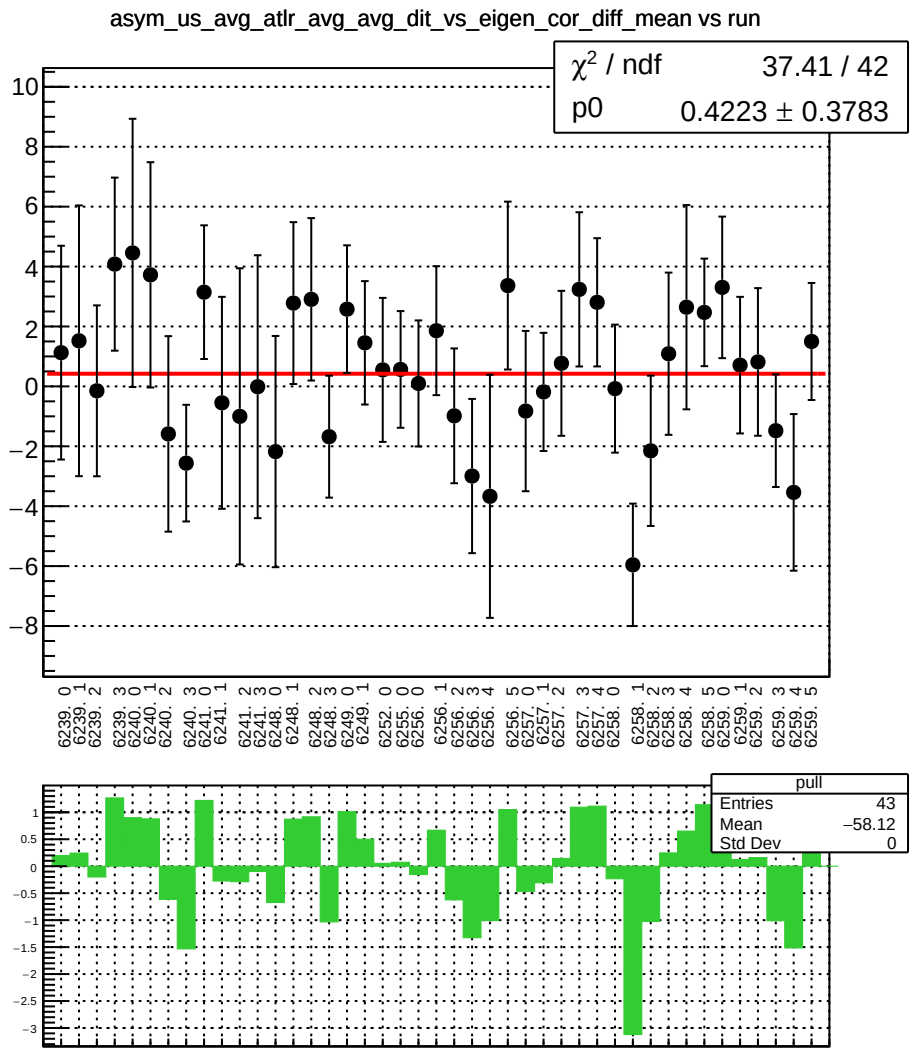

pull1D
Entries 43
Mean −0.01299
Std Dev 0.9258
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

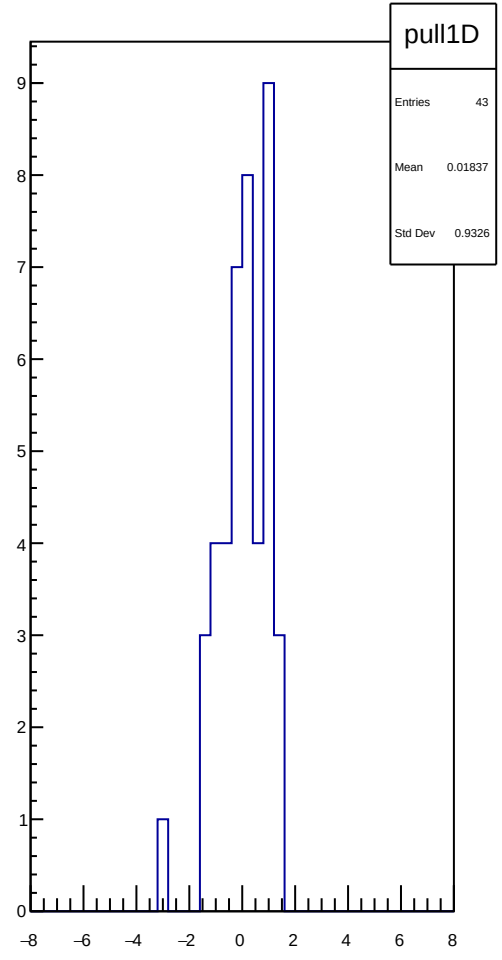

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.547e+05 / 42
p0 2.116e−10 ± 4.566e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

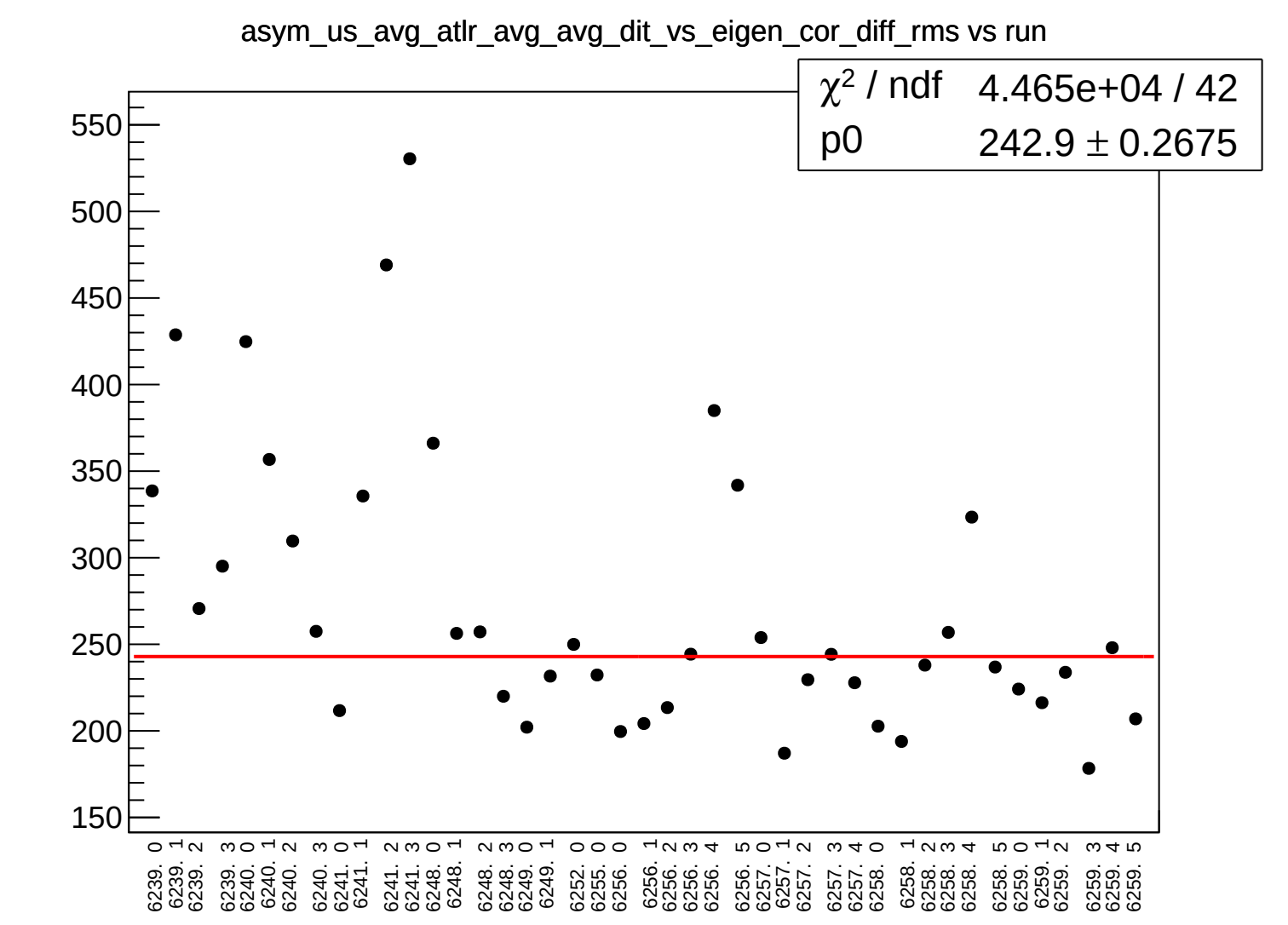

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.41 / 42
p0 0.4223 ± 0.3783
pull
Entries 43
Mean −58.12
Std Dev 0

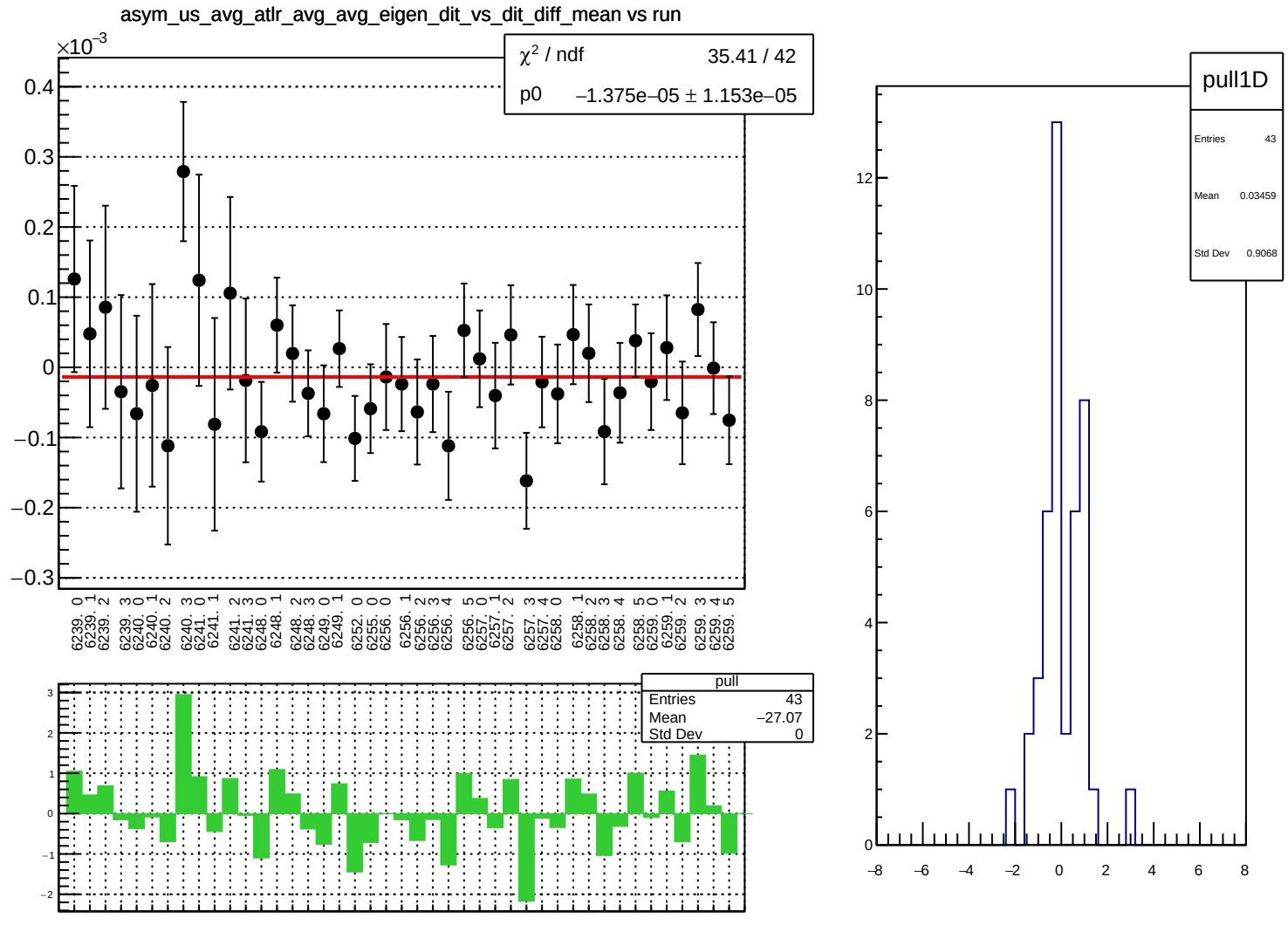

pull1D
Entries 43
Mean 0.01837
Std Dev 0.9326

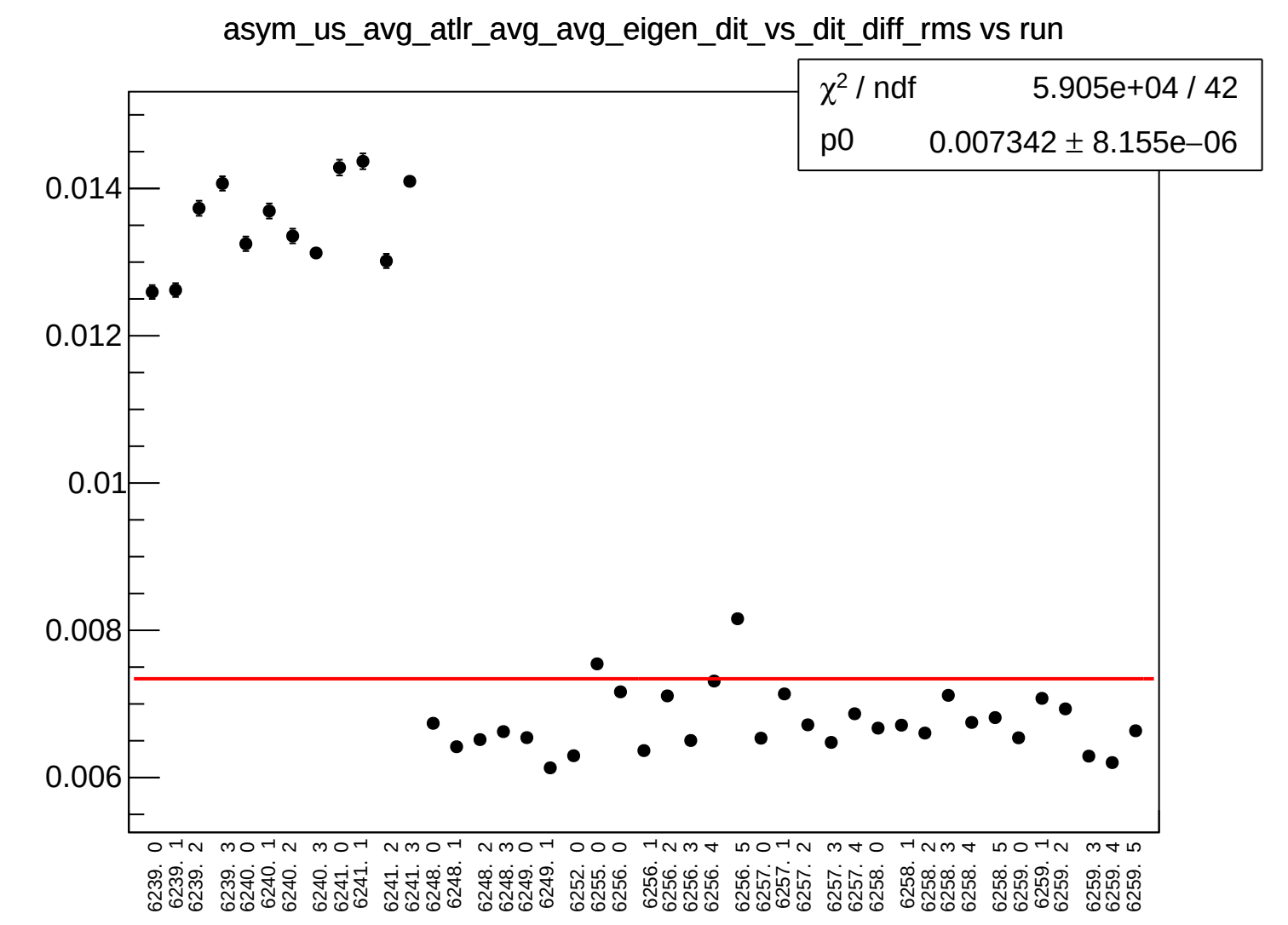

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.465e+04 / 42
p0 242.9 ± 0.2675
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

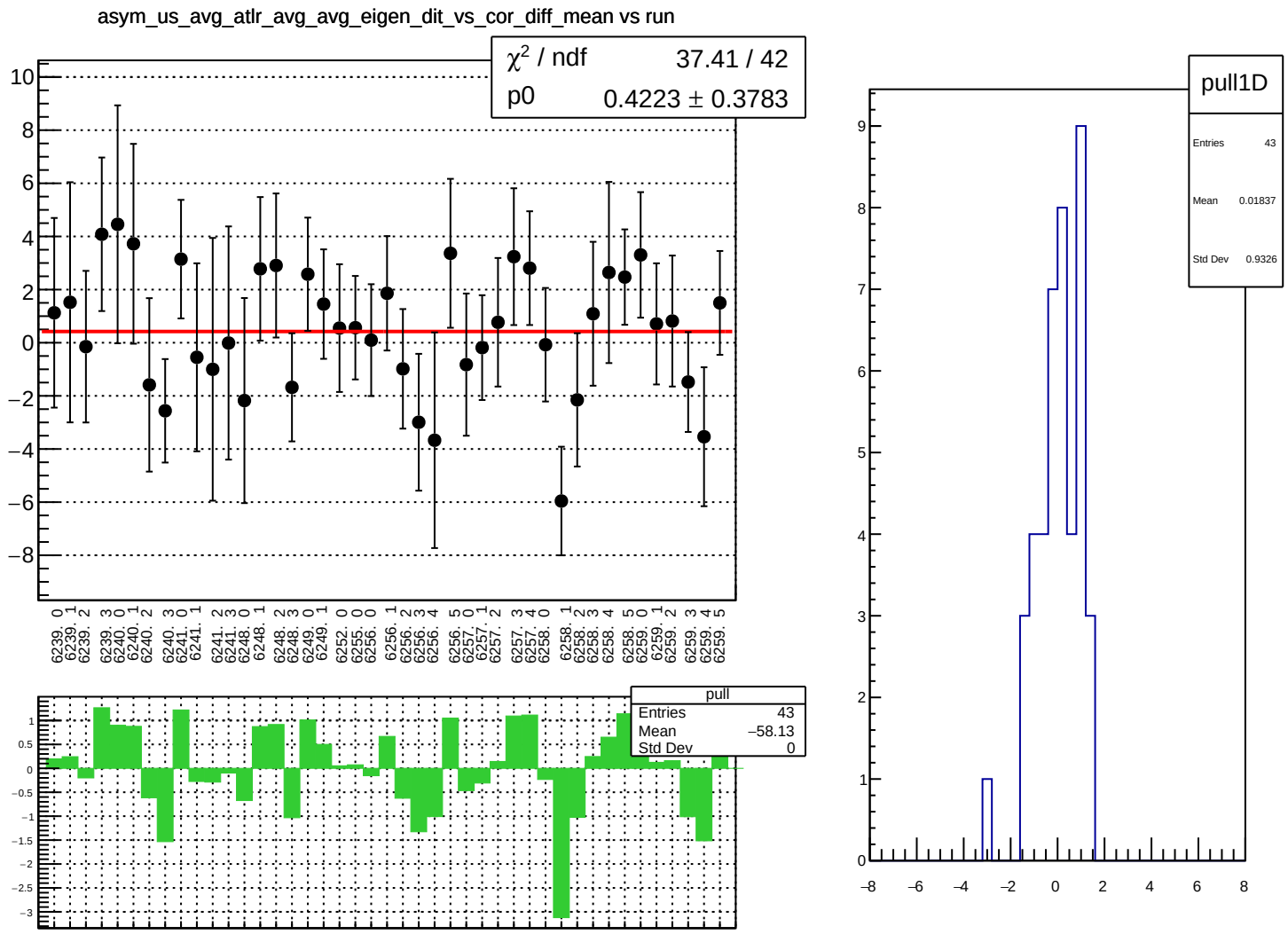

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.41 / 42
p0 0.4223 ± 0.3783
pull
Entries 43
Mean −58.12
Std Dev 0

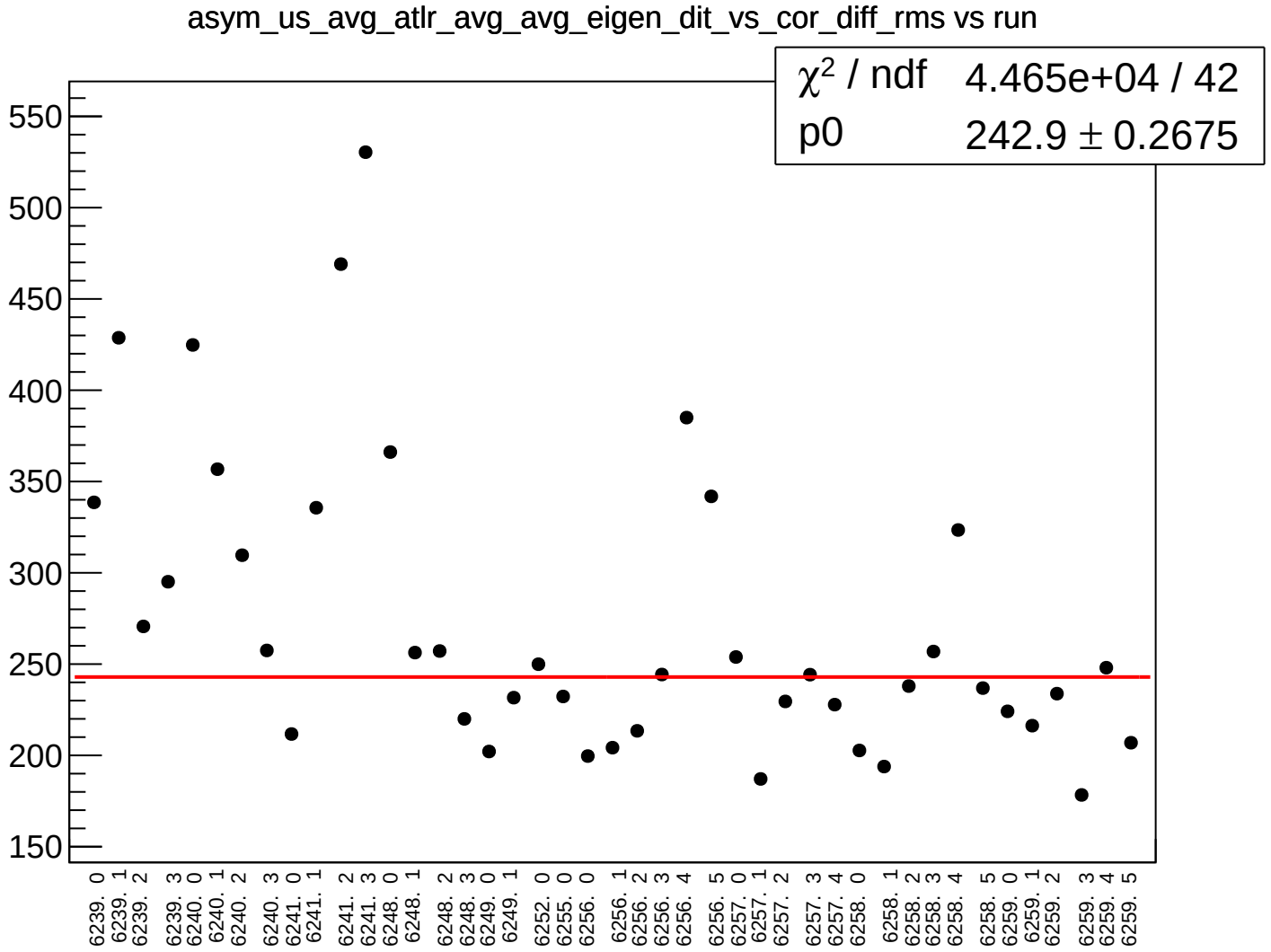

pull1D
Entries 43
Mean 0.01837
Std Dev 0.9326

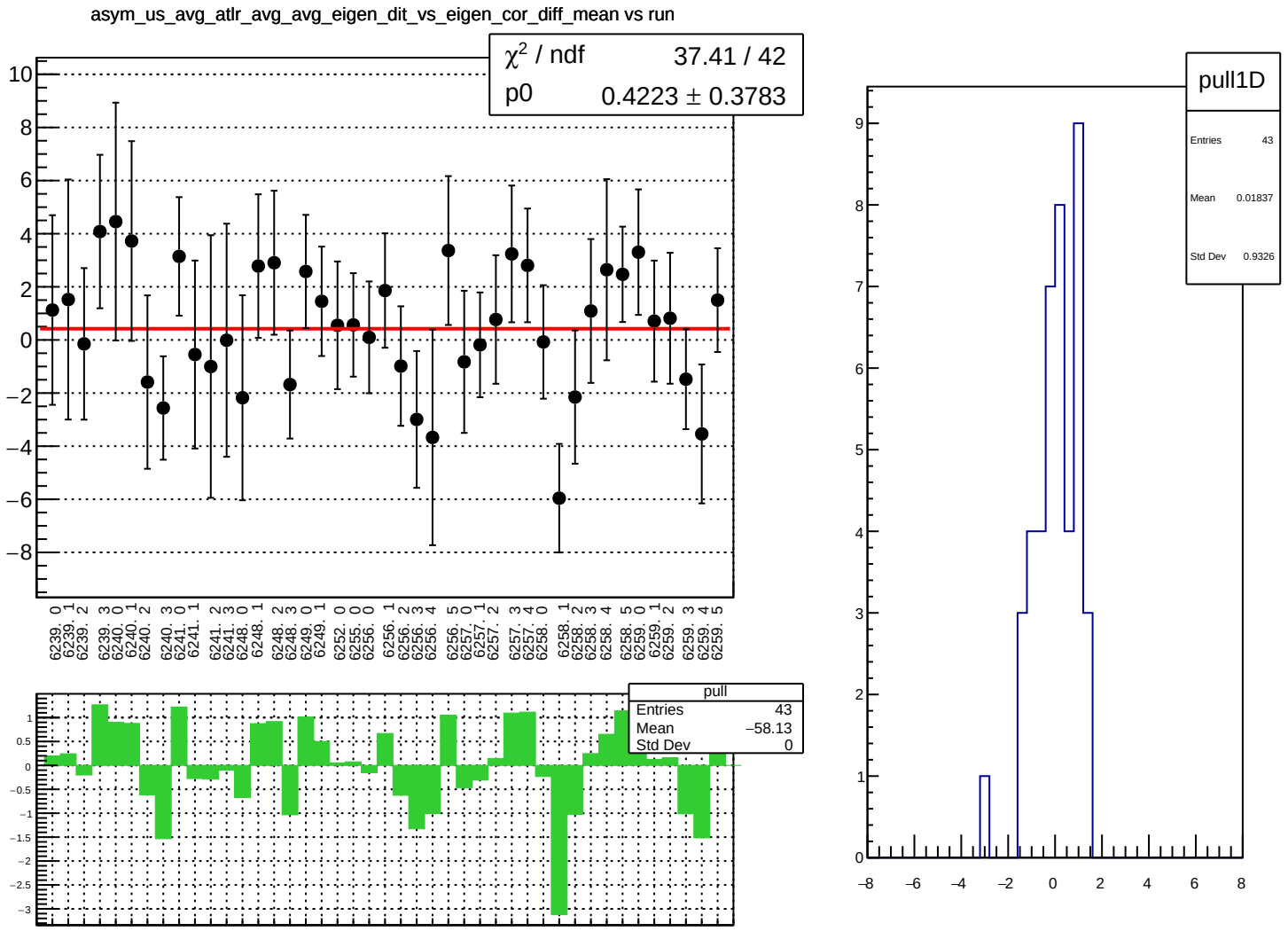

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.465e+04 / 42
p0 242.9 ± 0.2675
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

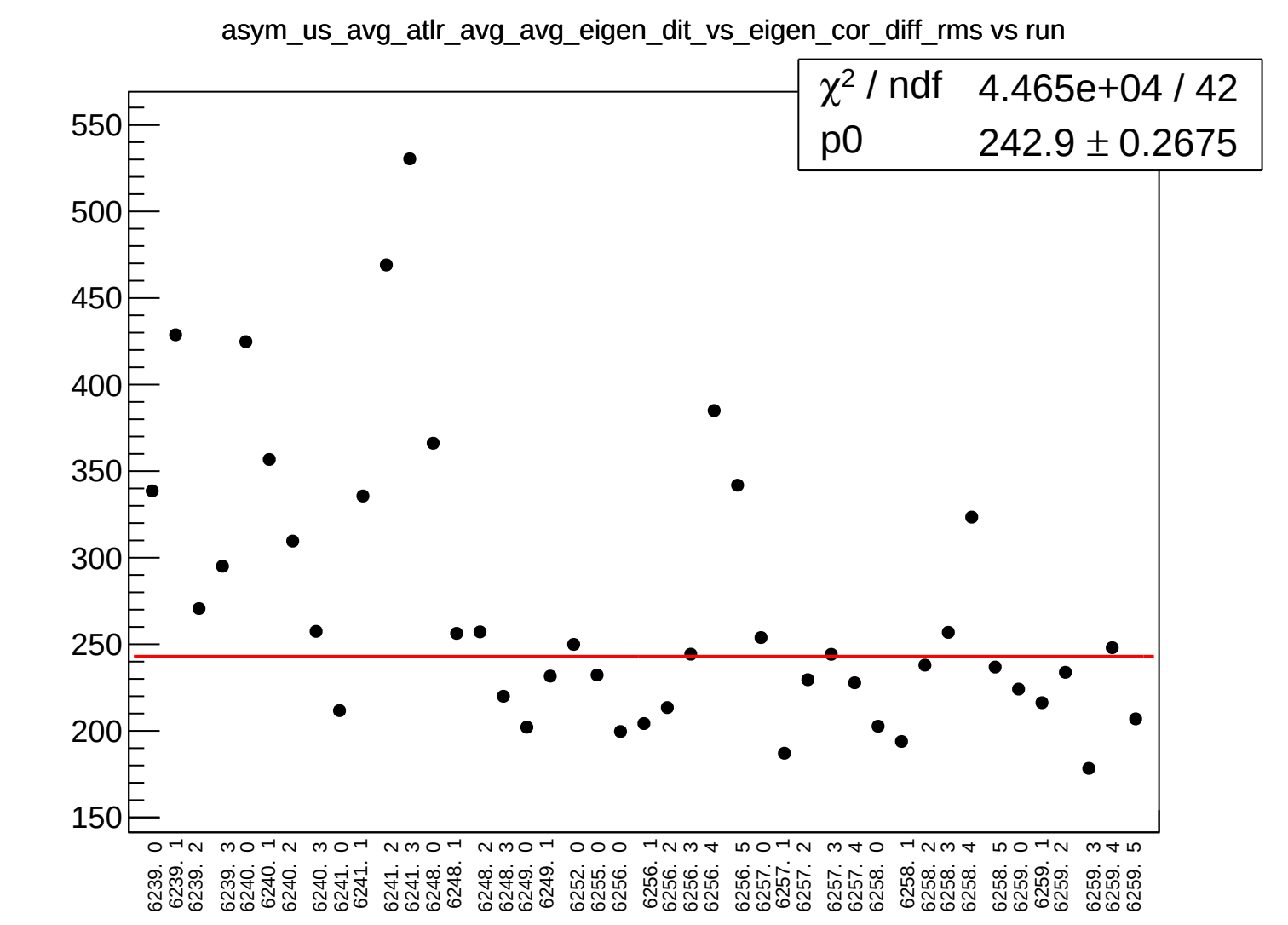

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 35.41 / 42
p0 −1.375e−05 ± 1.153e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −27.07
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03459
Std Dev 0.9068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

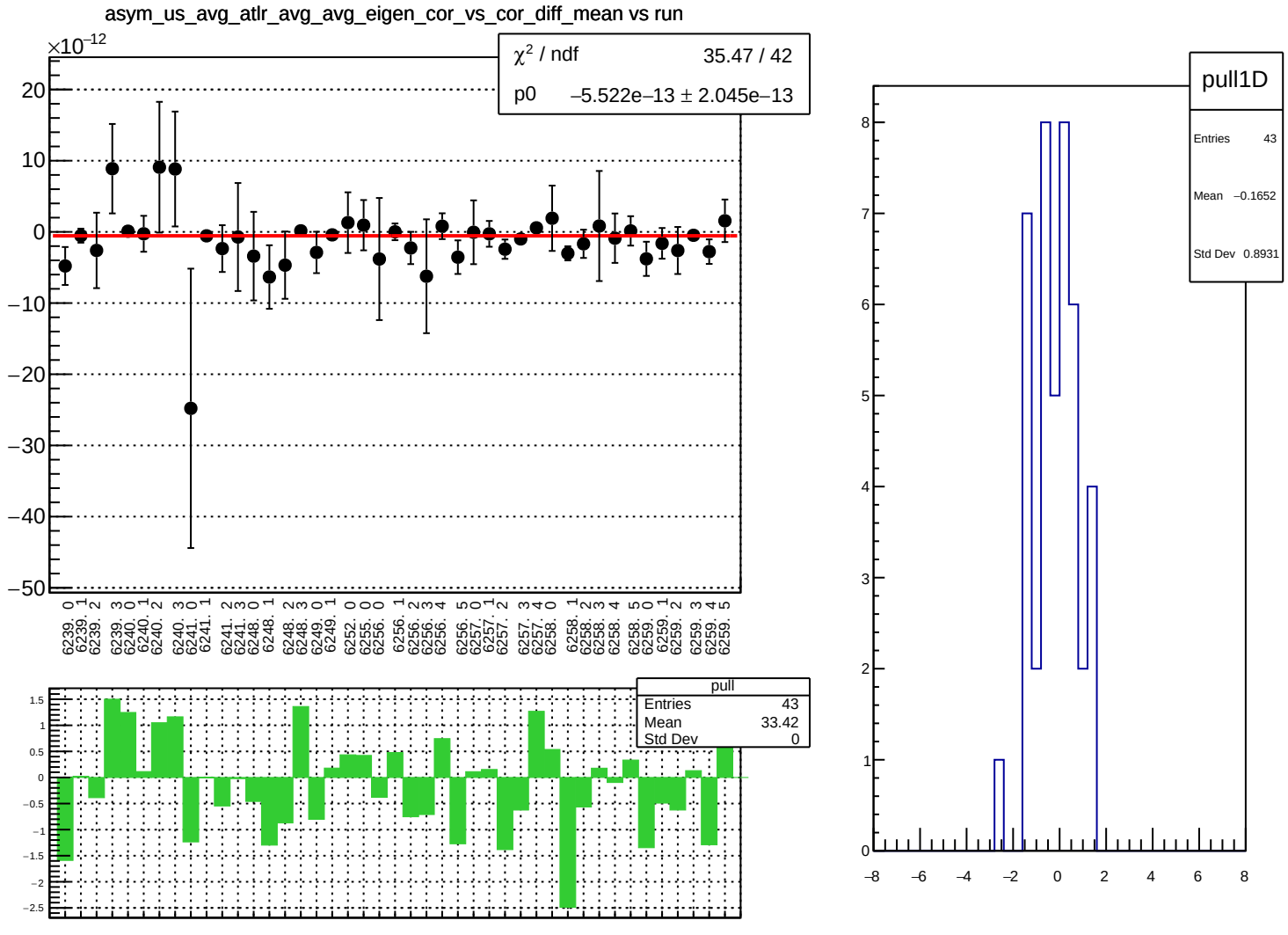

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.905e+04 / 42
p0 0.007342 ± 8.155e−06
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

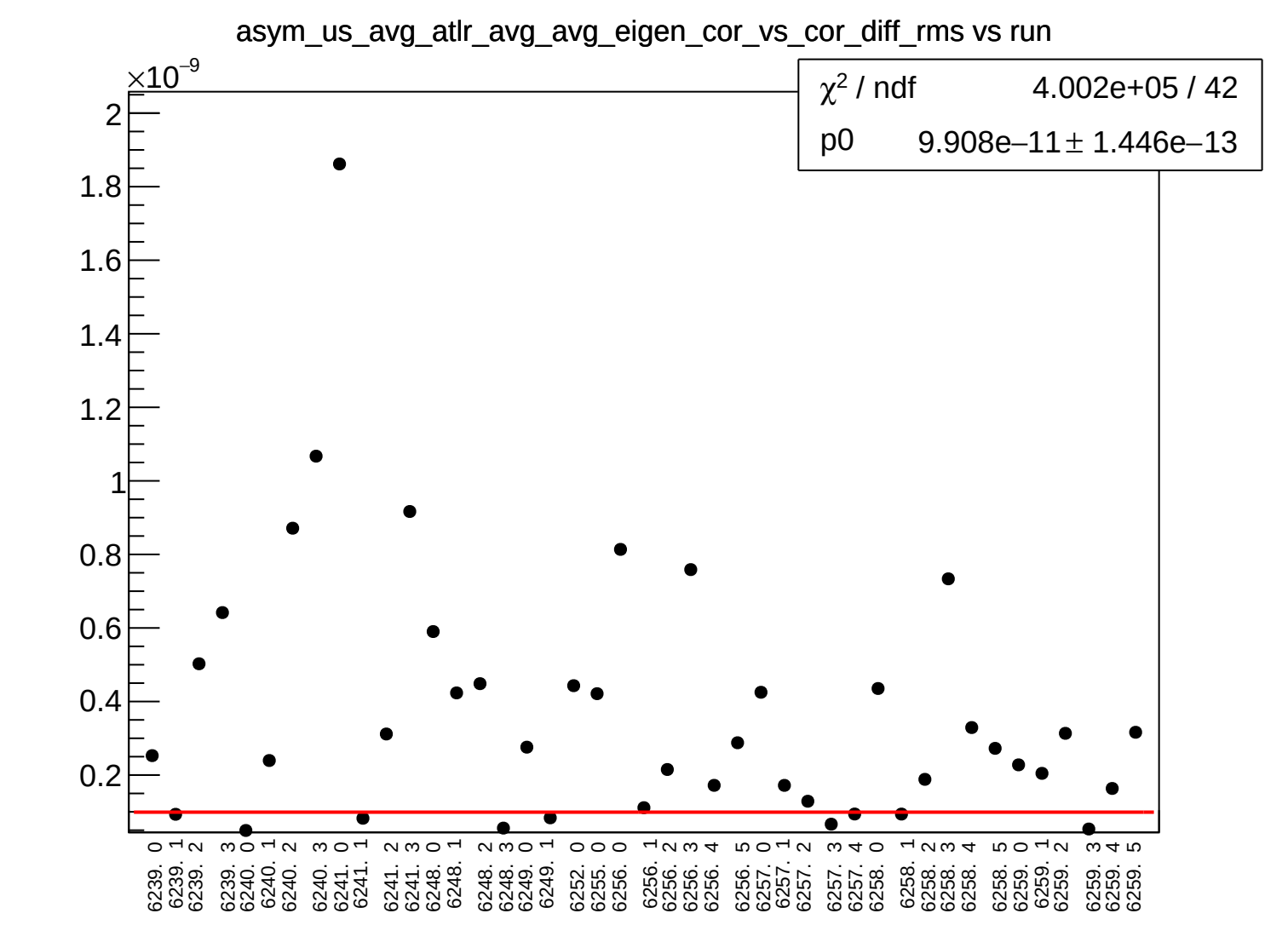

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.41 / 42
p0 0.4223 ± 0.3783
pull
Entries 43
Mean −58.13
Std Dev 0
pull1D
Entries 43
Mean 0.01837
Std Dev 0.9326

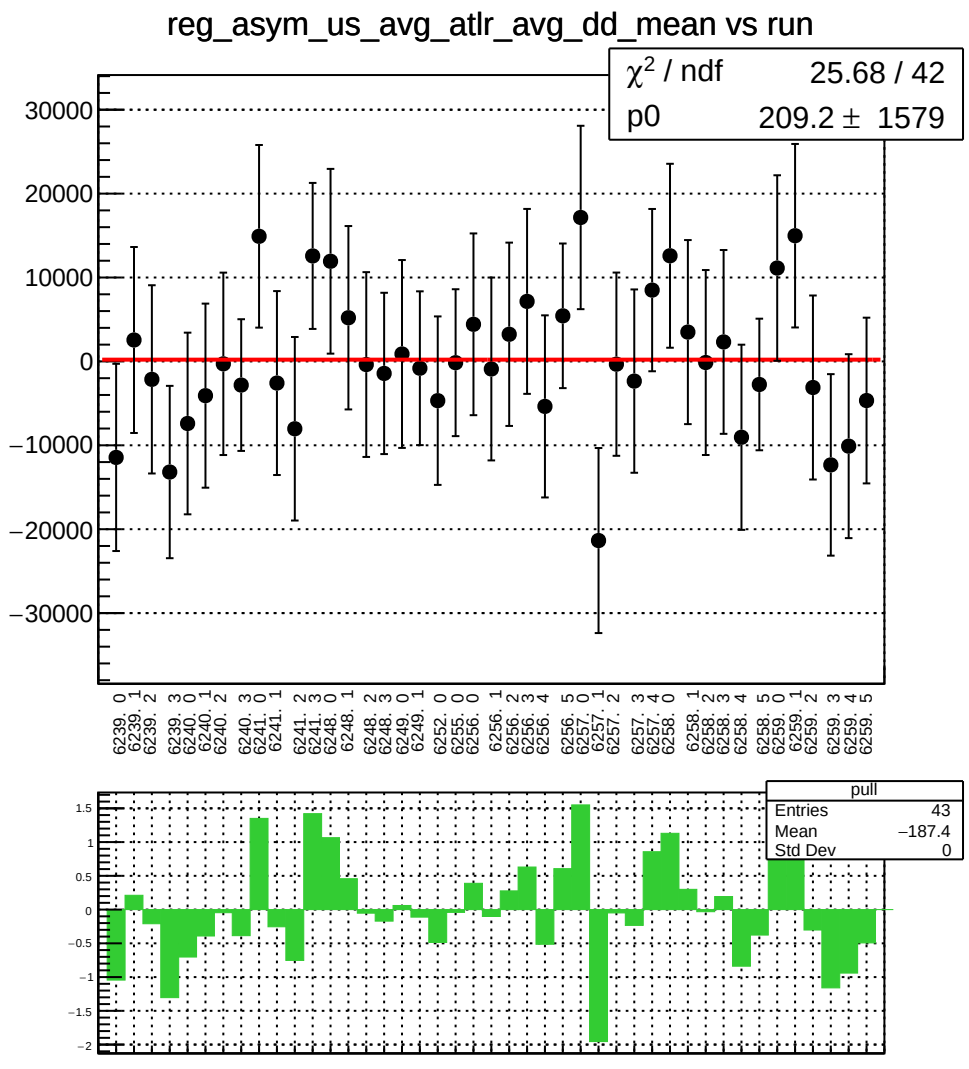

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.465e+04 / 42
p0 242.9 ± 0.2675
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

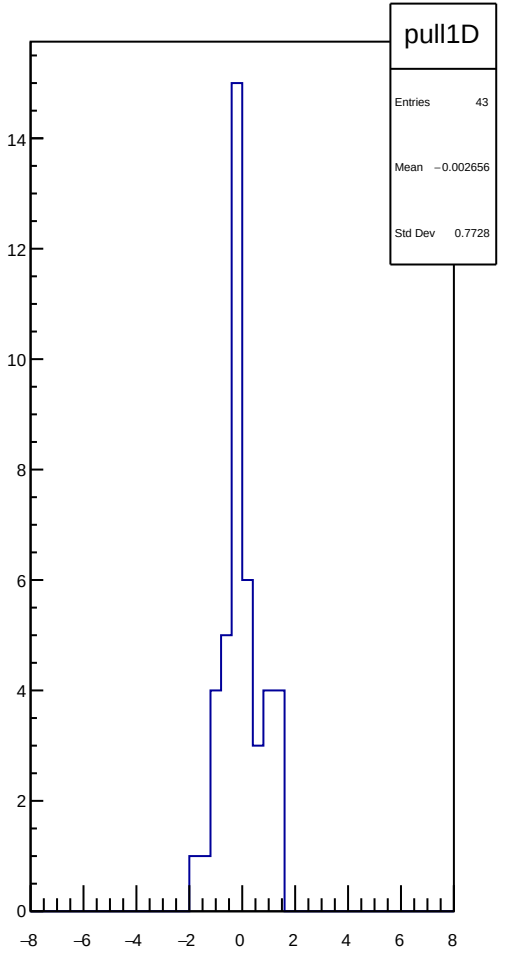

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.41 / 42
p0 0.4223 ± 0.3783
pull
Entries 43
Mean −58.13
Std Dev 0
pull1D
Entries 43
Mean 0.01837
Std Dev 0.9326

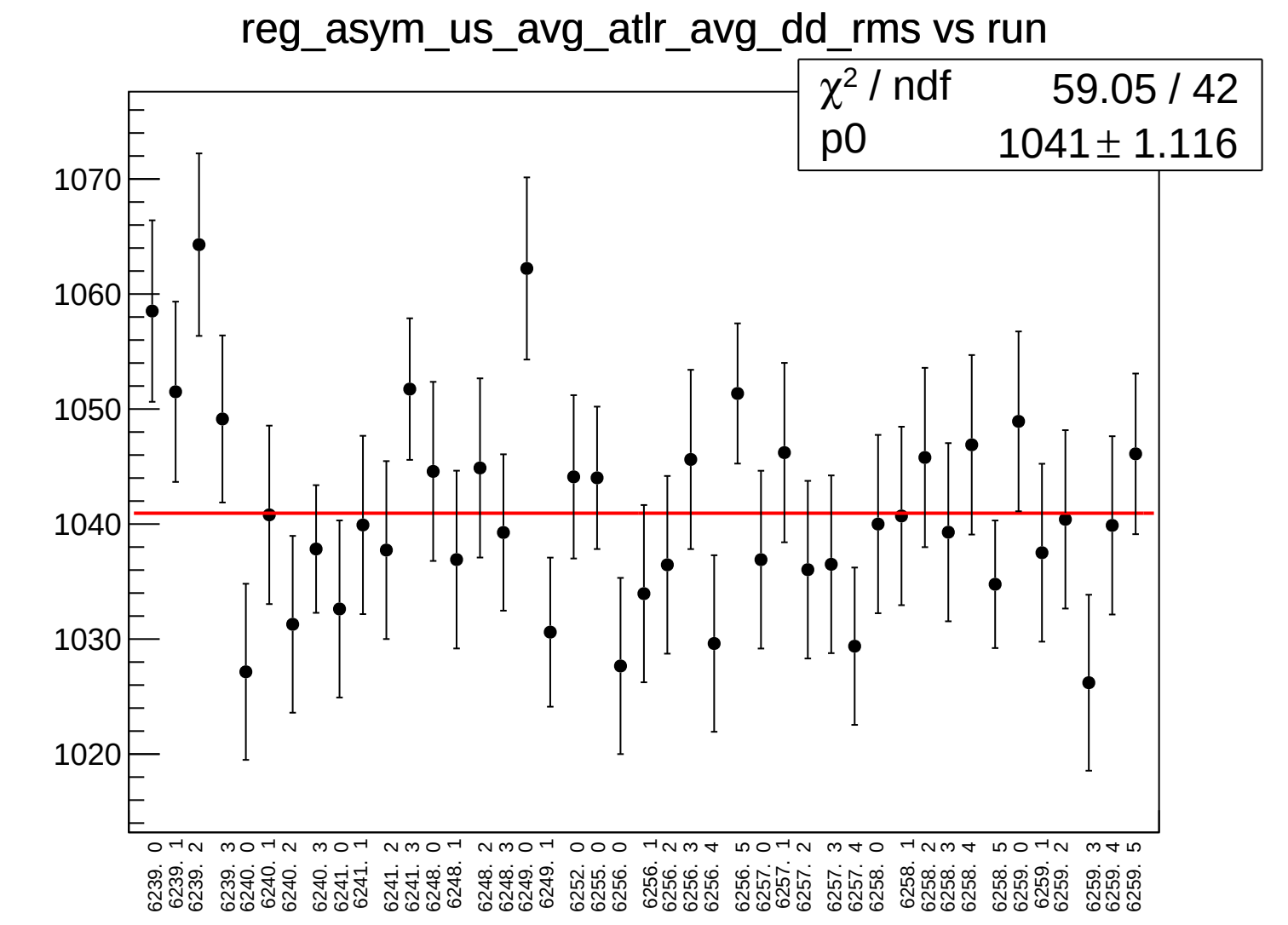

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.465e+04 / 42
p0 242.9 ± 0.2675
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

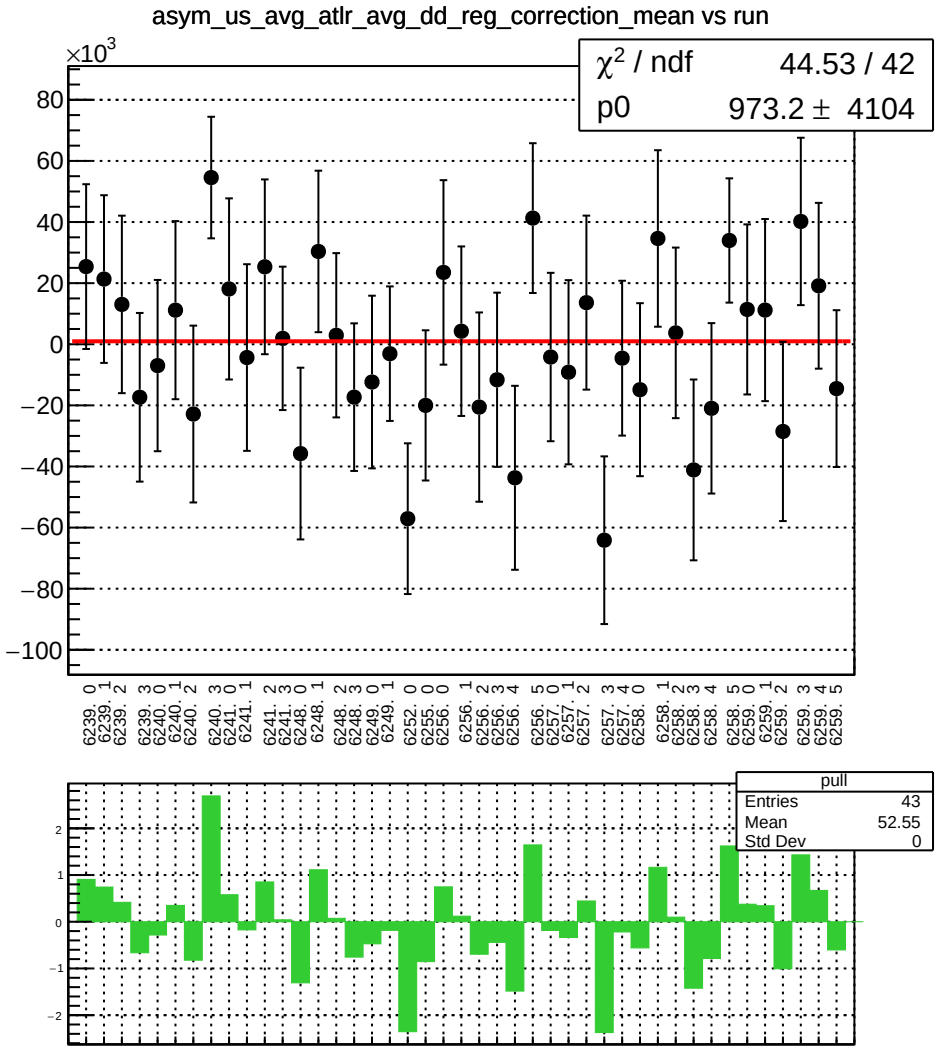

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.47 / 42
p0 −5.522e−13 ± 2.045e−13
20
10
0
−10
−20
−30
−40
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.1652
Std Dev 0.8931
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

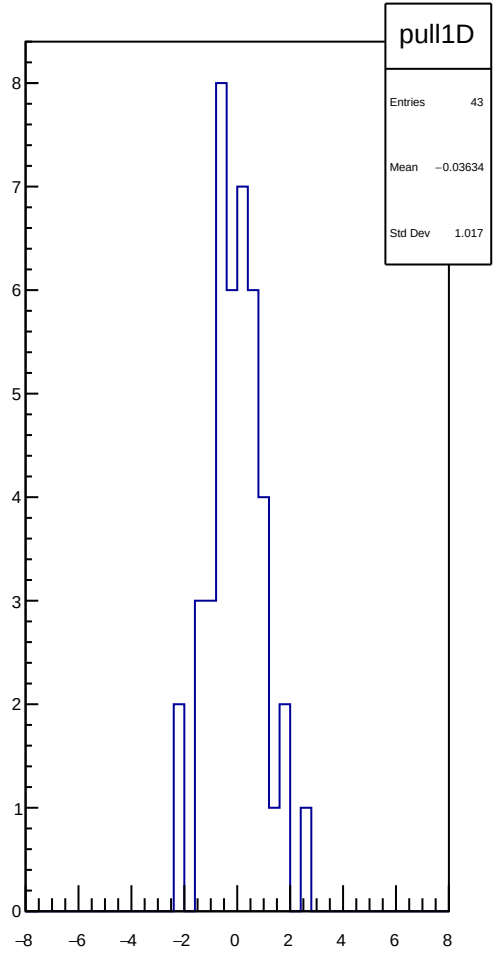

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.002e+05 / 42
p0 9.908e−11 ± 1.446e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

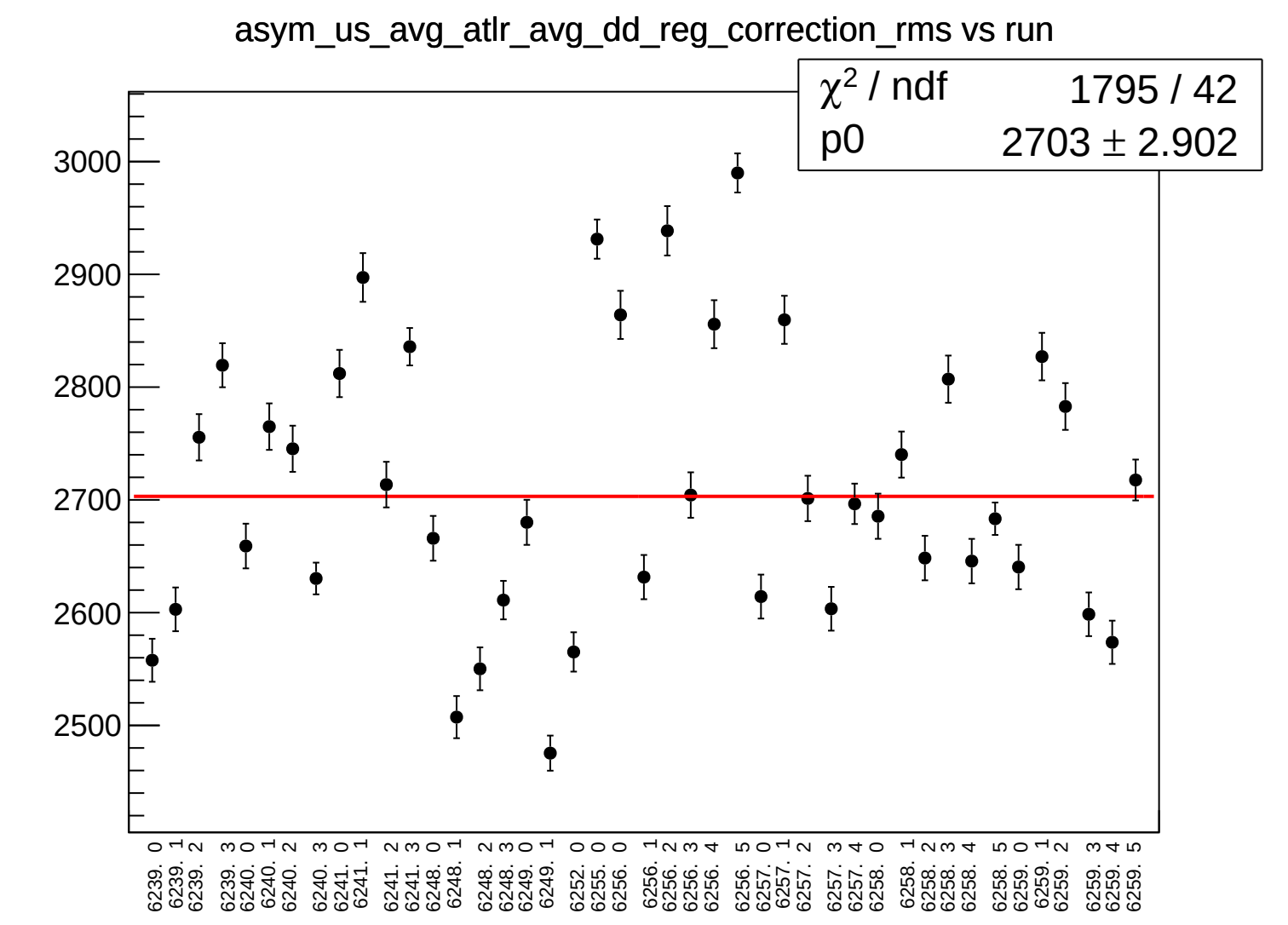

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 25.68 / 42
p0 209.2 ± 1579
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −187.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

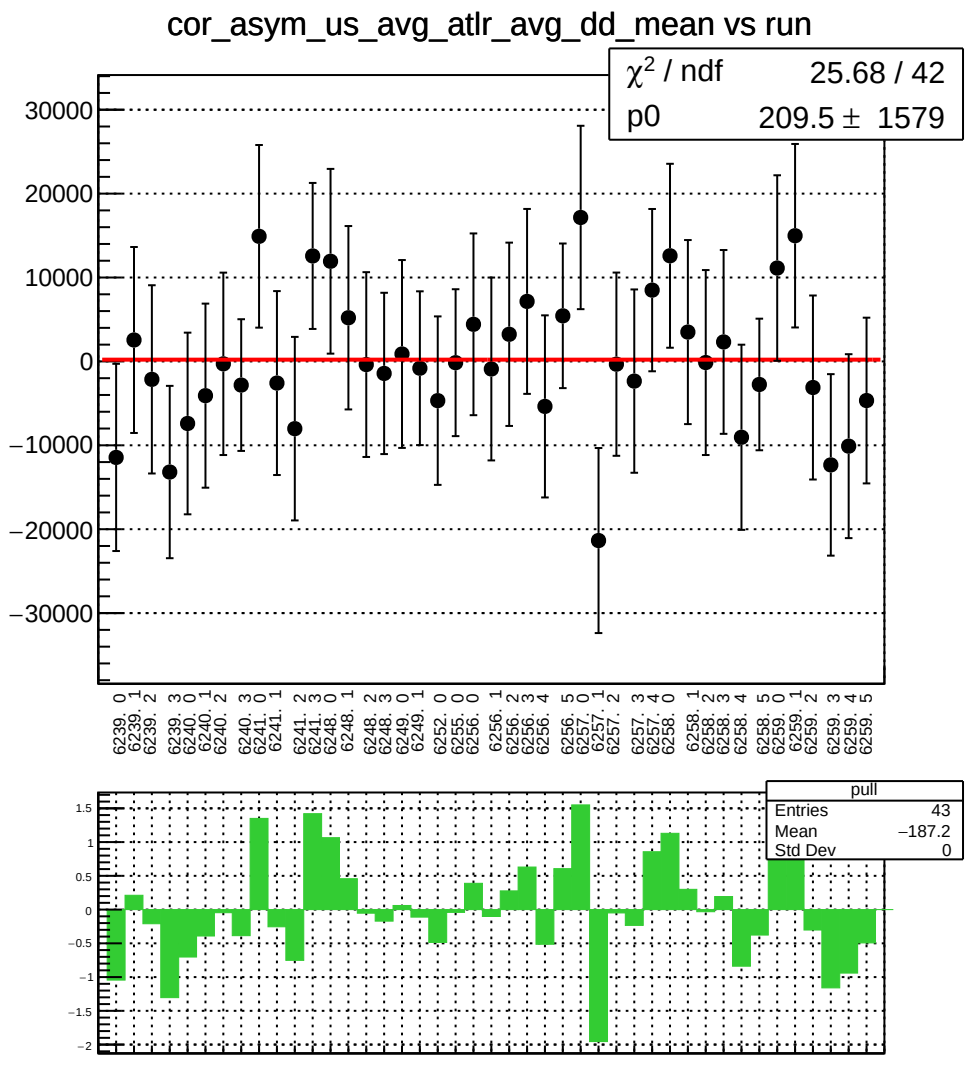

pull1D
Entries 43
Mean −0.002656
Std Dev 0.7728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

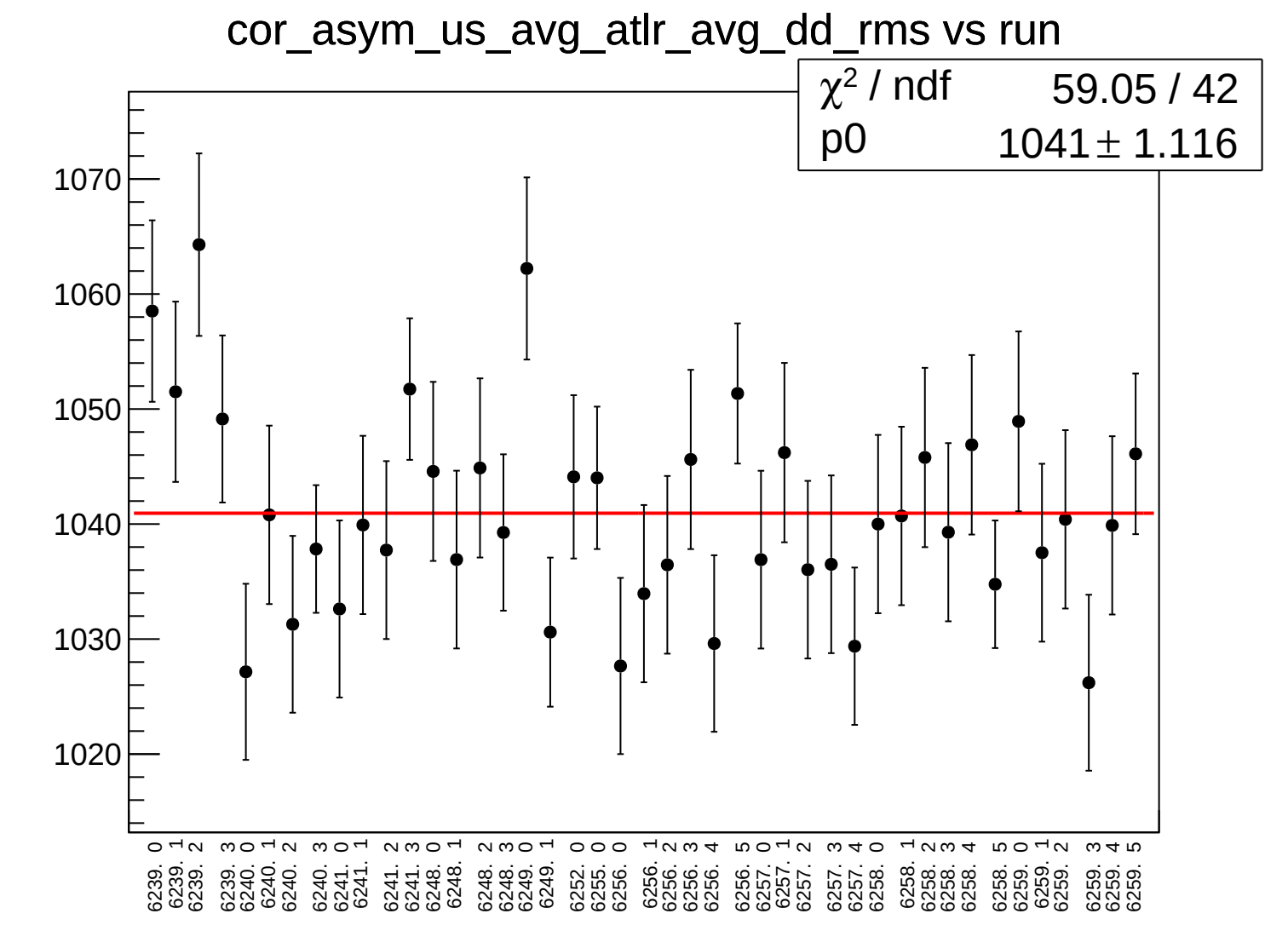

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 59.05 / 42
p0 1041 ± 1.116
1070
1060
1050
1040
1030
1020
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

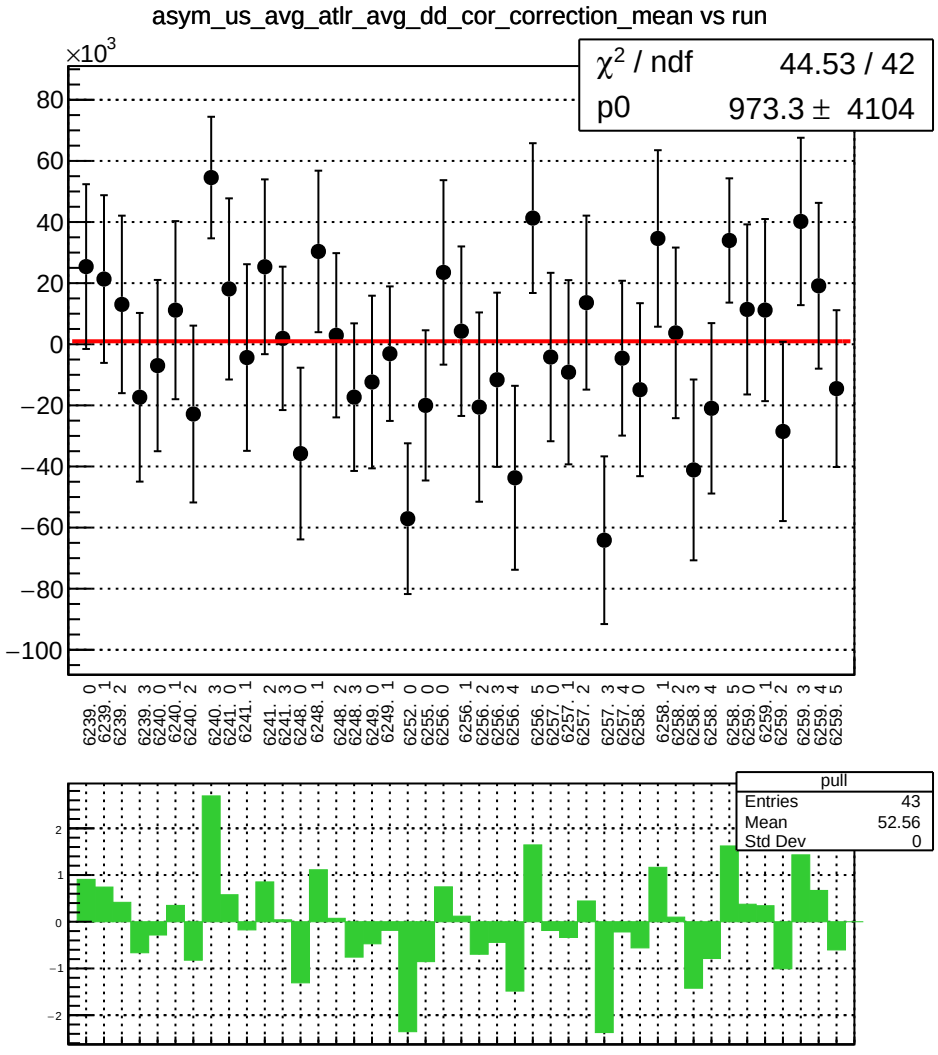

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 44.53 / 42
p0 973.2 ± 4104
pull
Entries 43
Mean 52.55
Std Dev 0

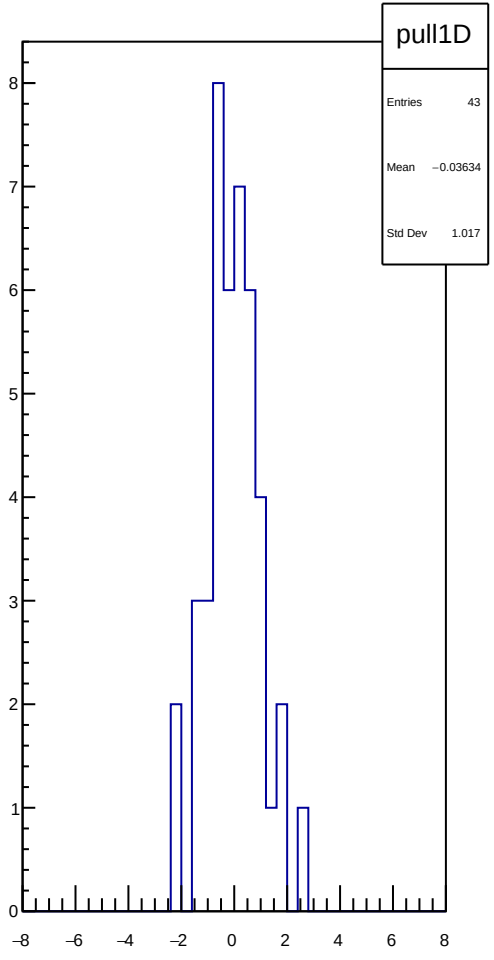

pull1D
Entries 43
Mean −0.03634
Std Dev 1.017

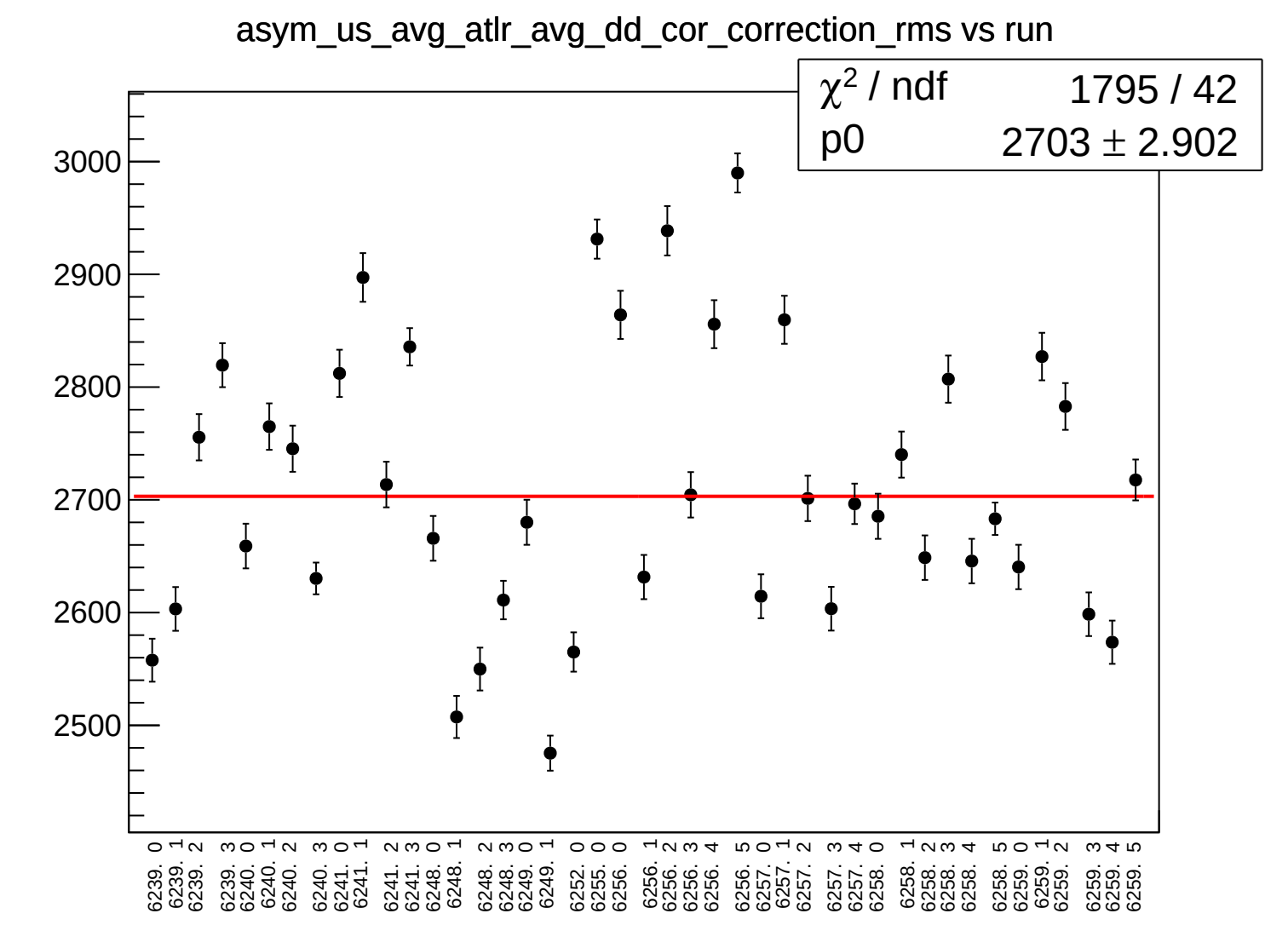

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 1795 / 42
p0 2703 ± 2.902
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

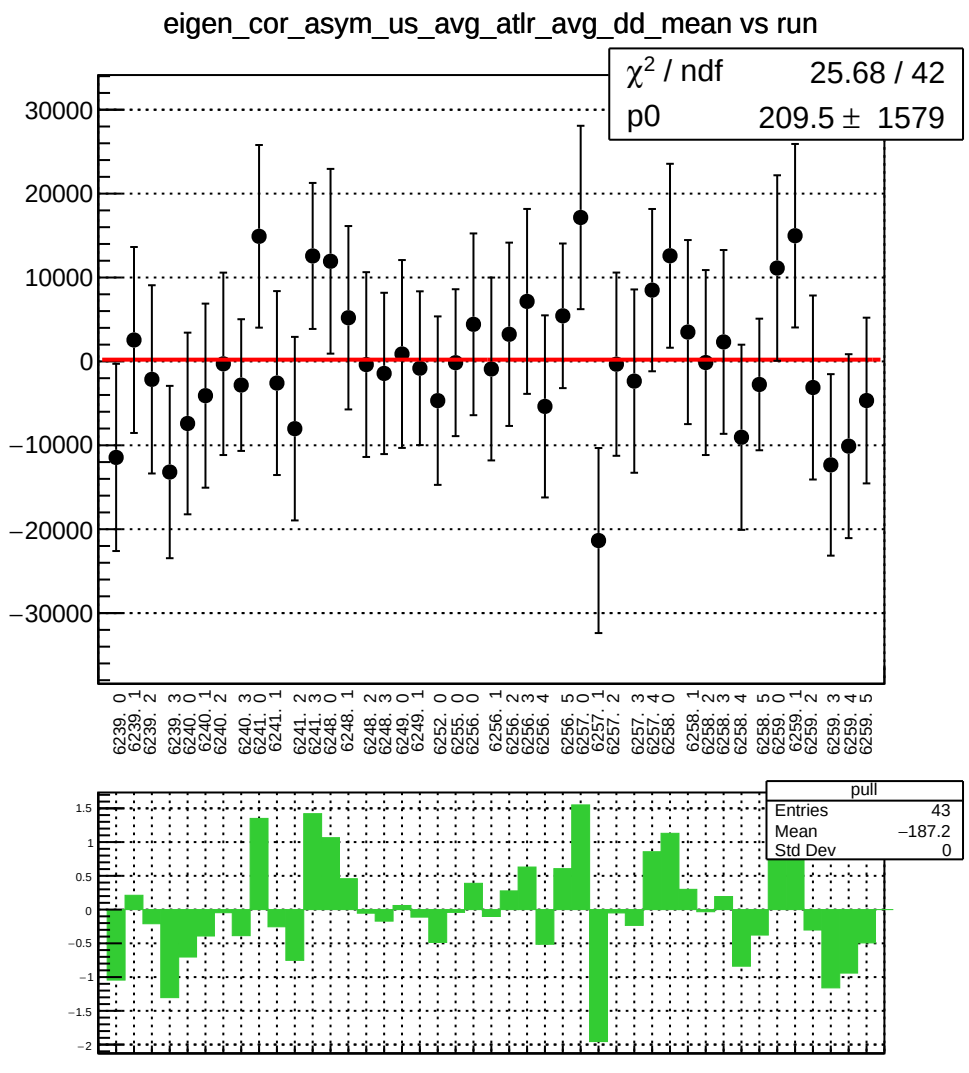

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 25.68 / 42
p0 209.5 ± 1579
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −187.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002656
Std Dev 0.7728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

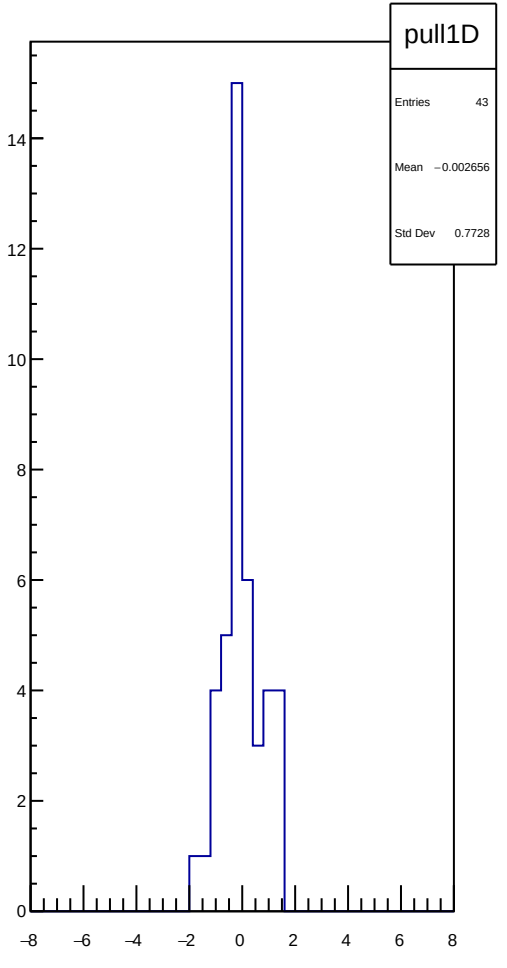

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 59.05 / 42
p0 1041 ± 1.116
1070
1060
1050
1040
1030
1020
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

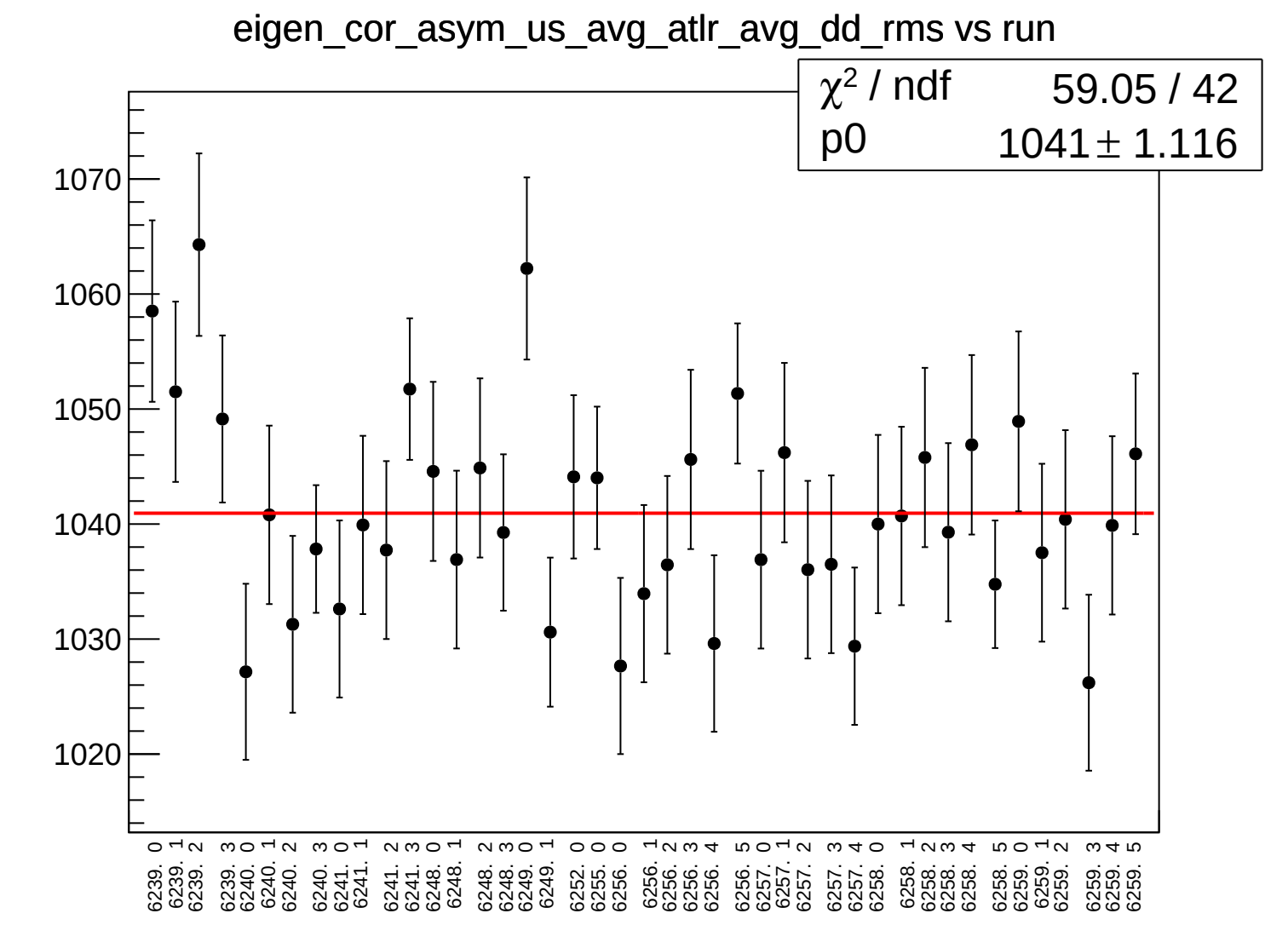

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.53 / 42
p0 973.3 ± 4104
pull
Entries 43
Mean 52.56
Std Dev 0

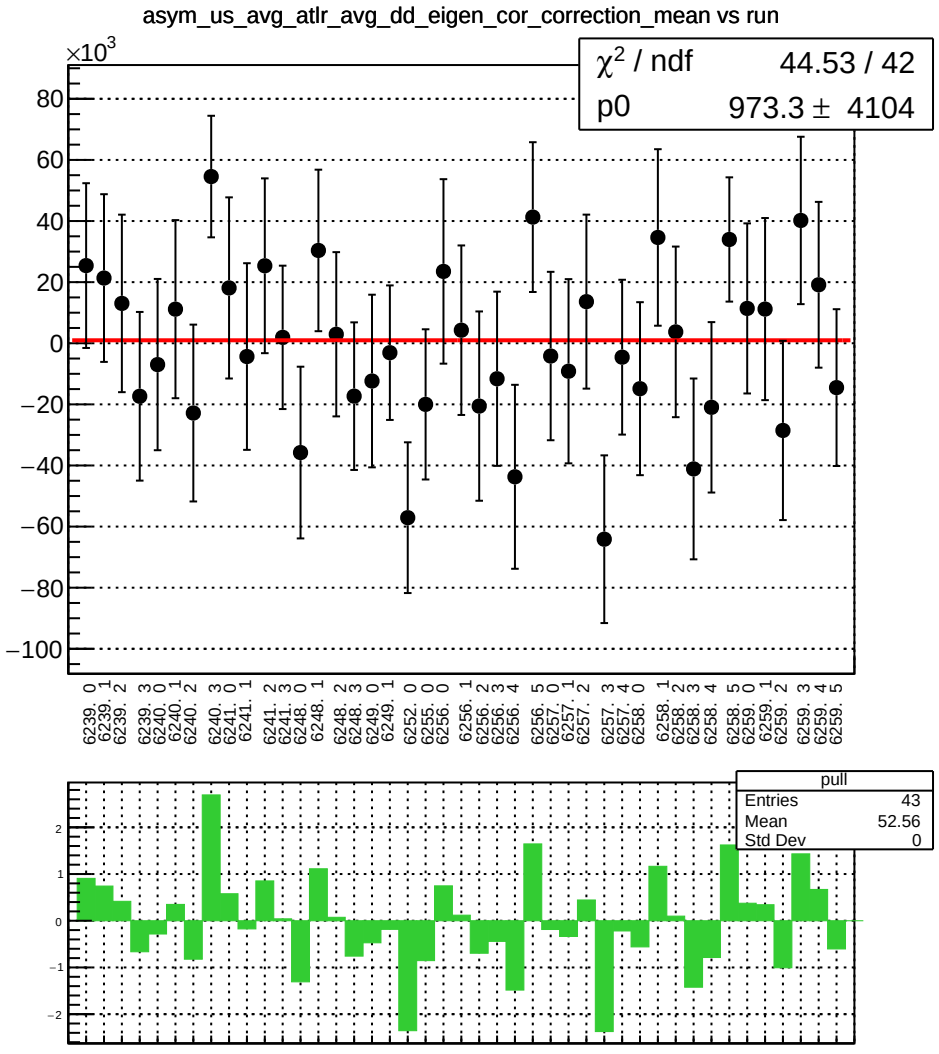

pull1D
Entries 43
Mean −0.03634
Std Dev 1.017

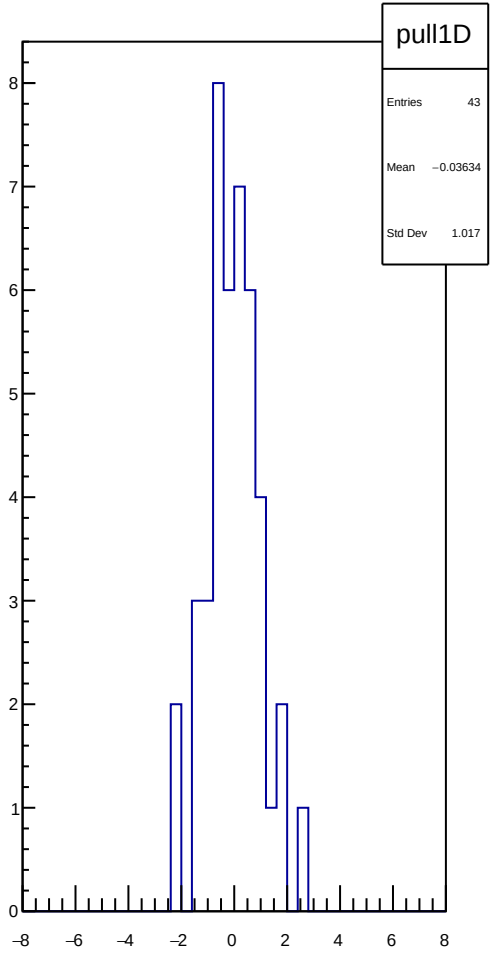

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 1795 / 42
p0 2703 ± 2.902
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

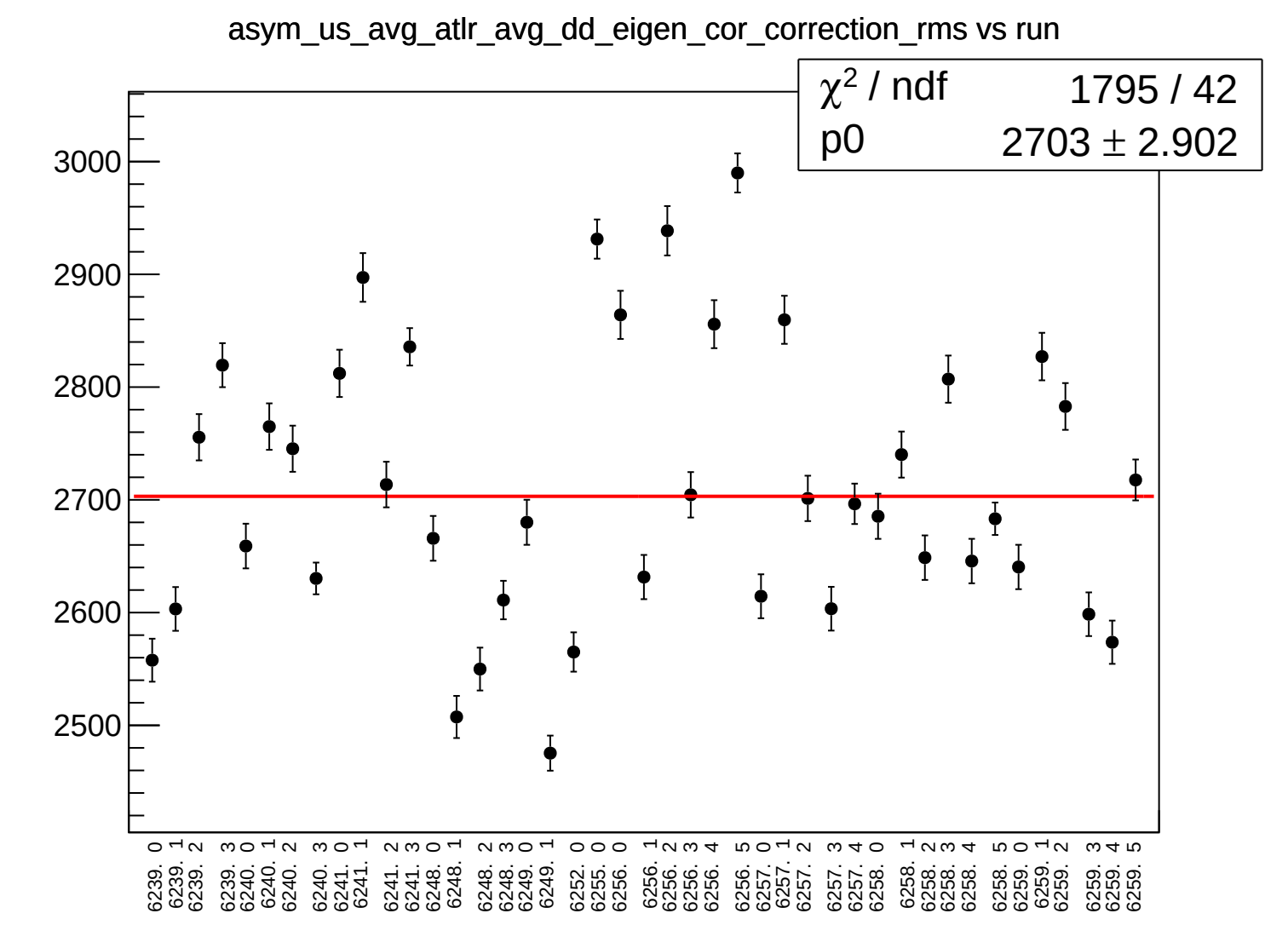

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 25.68 / 42
p0 209.5 ± 1579
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −187.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

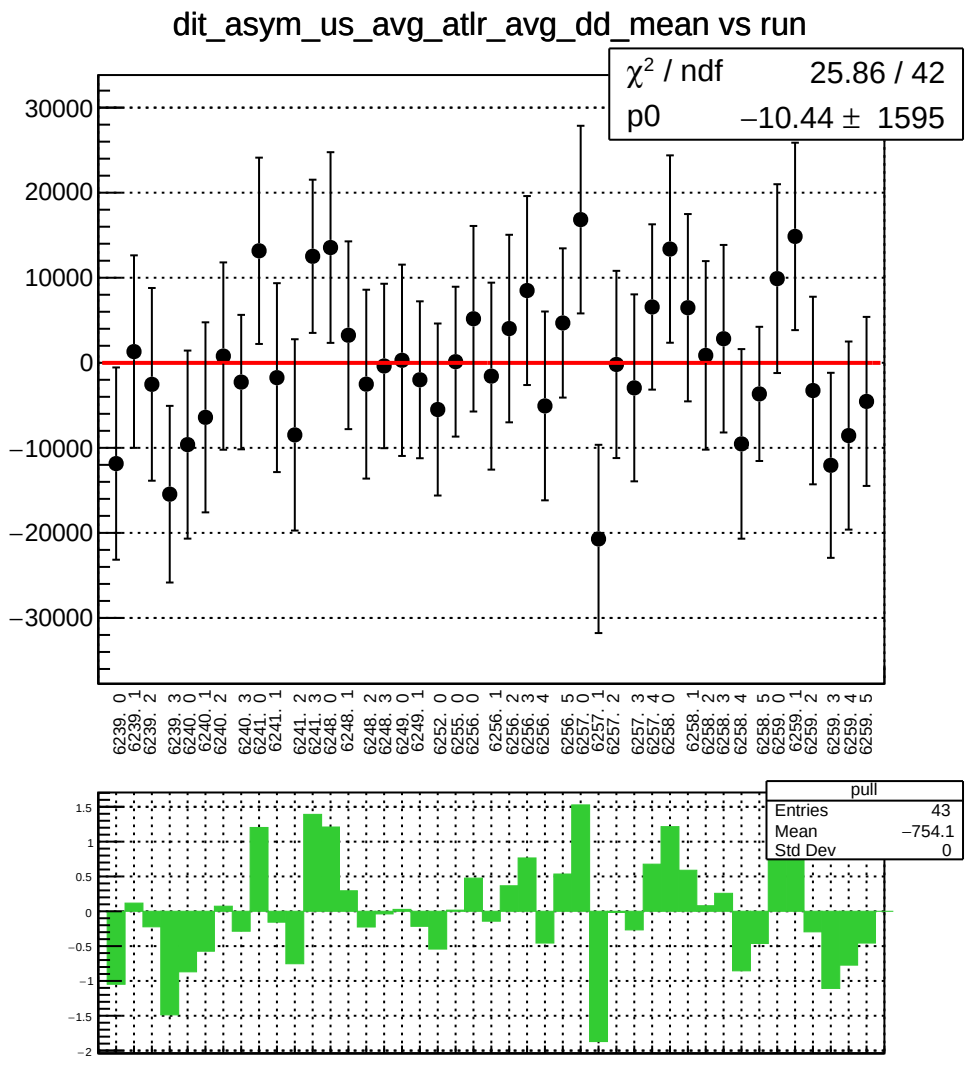

pull1D
Entries 43
Mean −0.002656
Std Dev 0.7728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

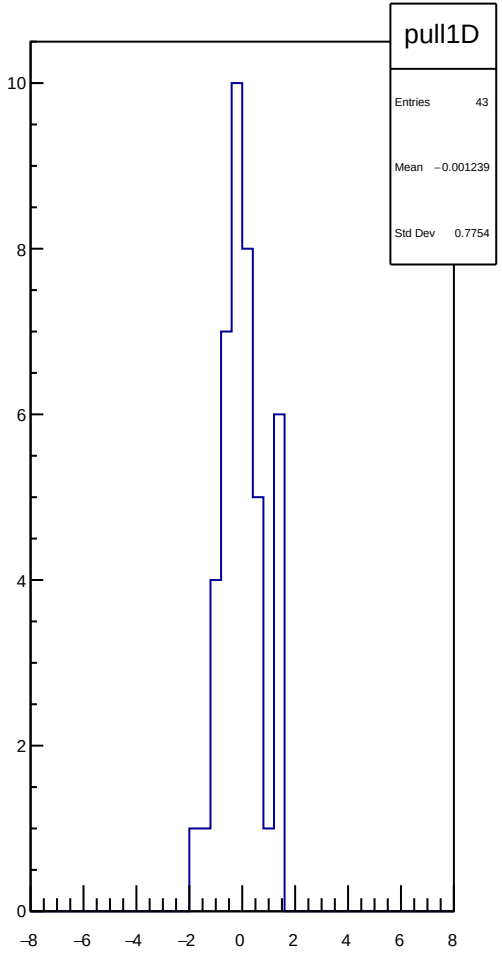

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 59.05 / 42
p0 1041 ± 1.116
1070
1060
1050
1040
1030
1020
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

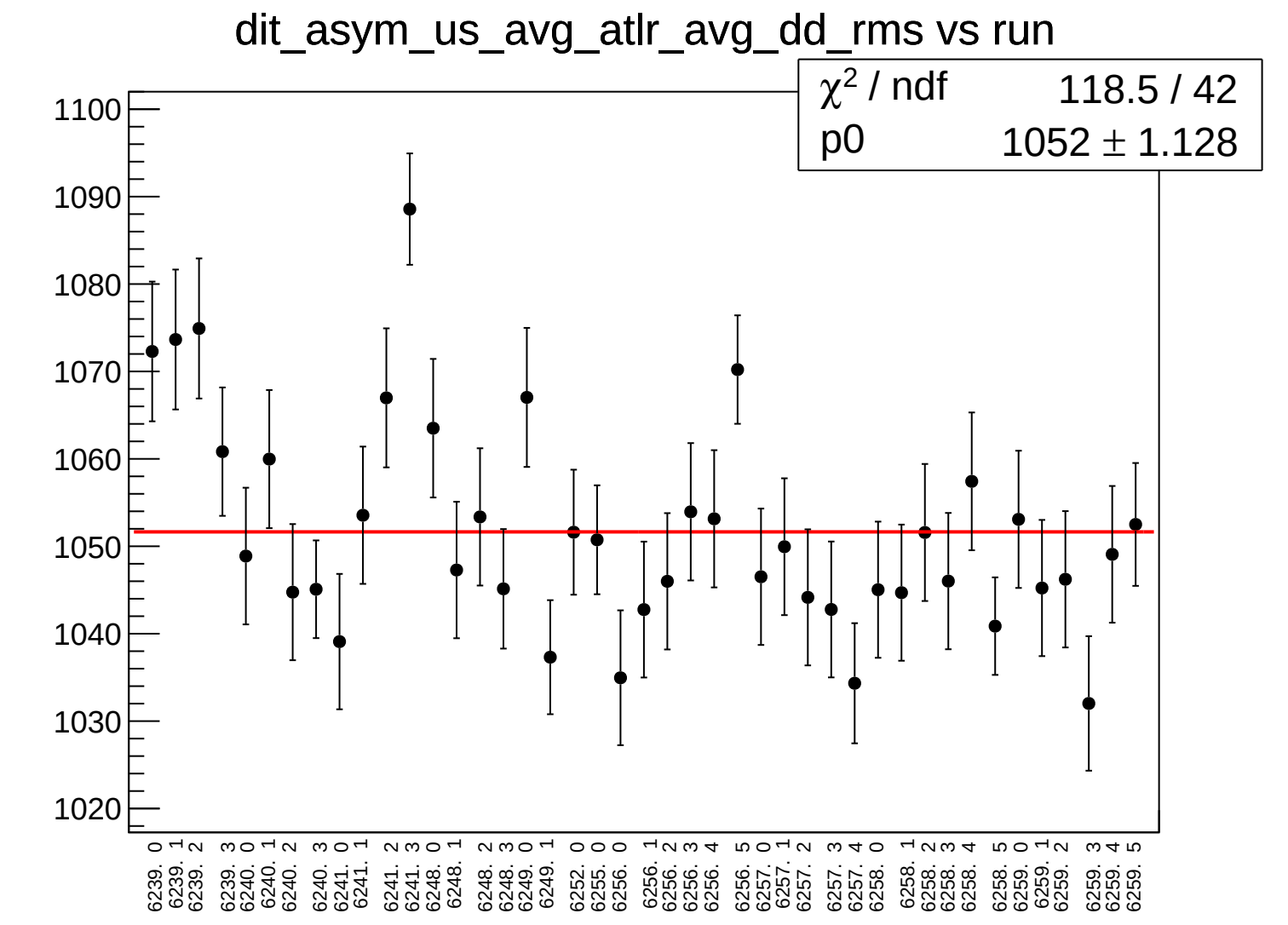

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 44.53 / 42
p0 973.3 ± 4104
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.56
Std Dev 0
2
1
0
−1
−2

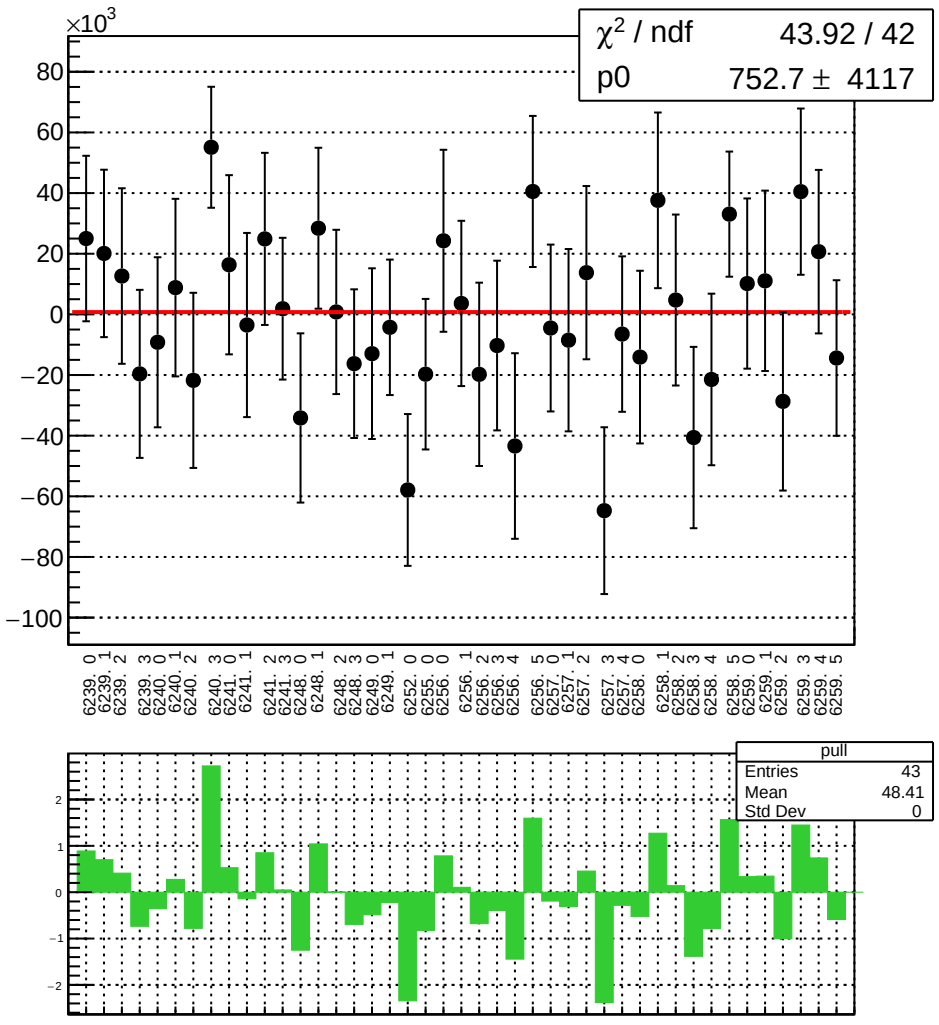

pull1D
Entries 43
Mean −0.03634
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

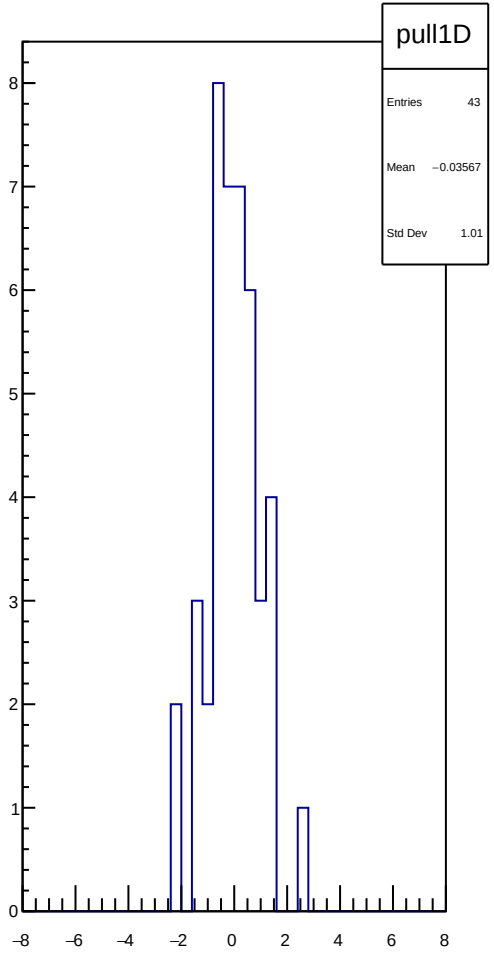

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1795 / 42
p0 2703 ± 2.902
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

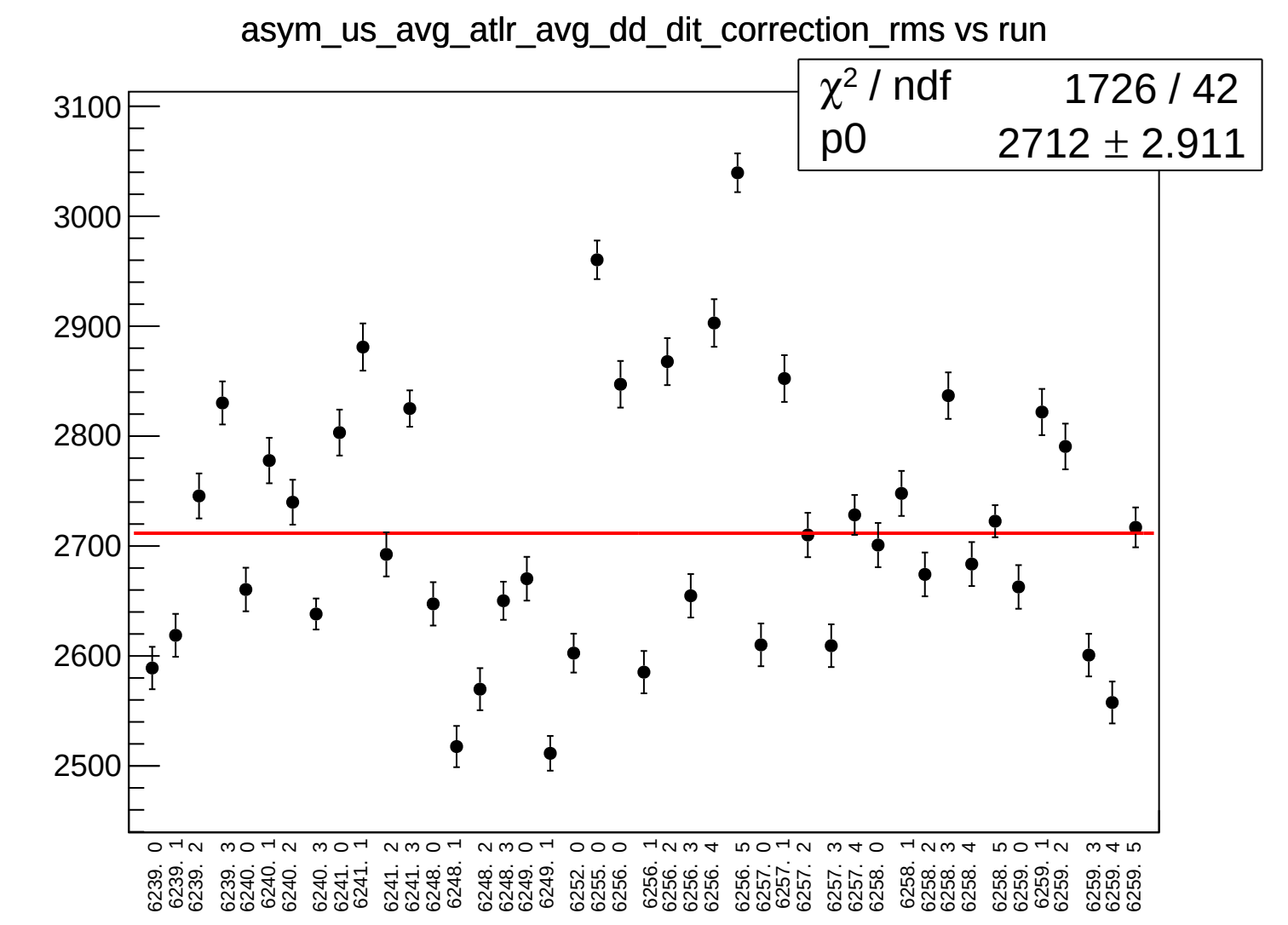

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 25.86 / 42
p0 −10.44 ± 1595
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −754.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

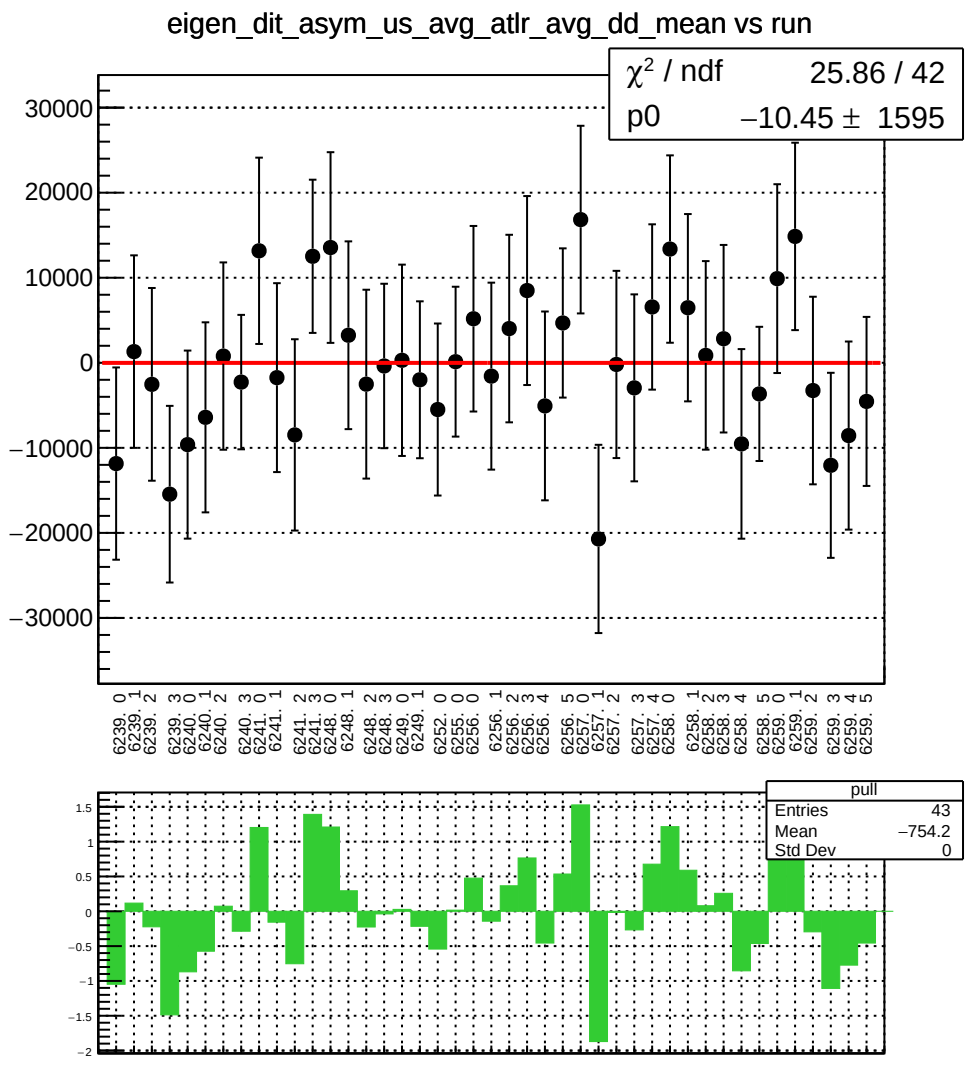

pull1D
Entries 43
Mean −0.001239
Std Dev 0.7754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

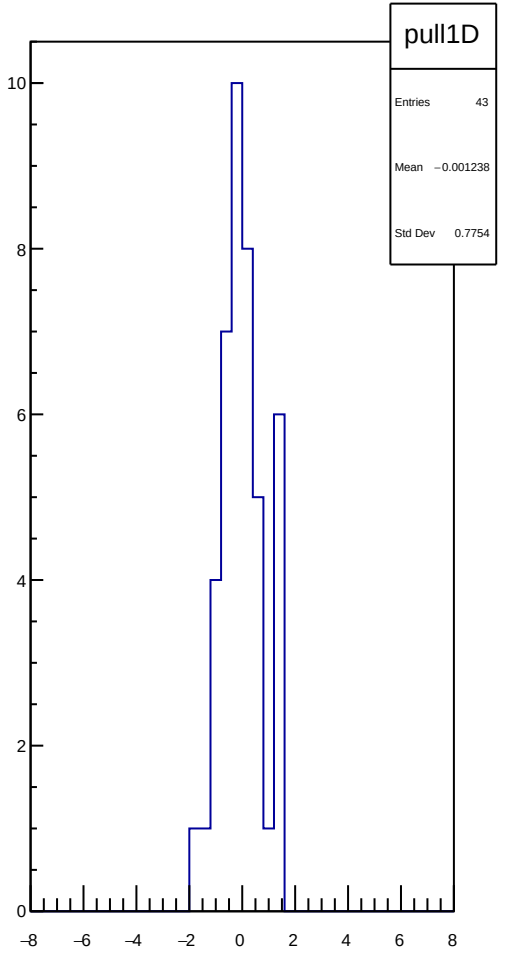

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 118.5 / 42
p0 1052 ± 1.128
1100
1090
1080
1070
1060
1050
1040
1030
1020
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

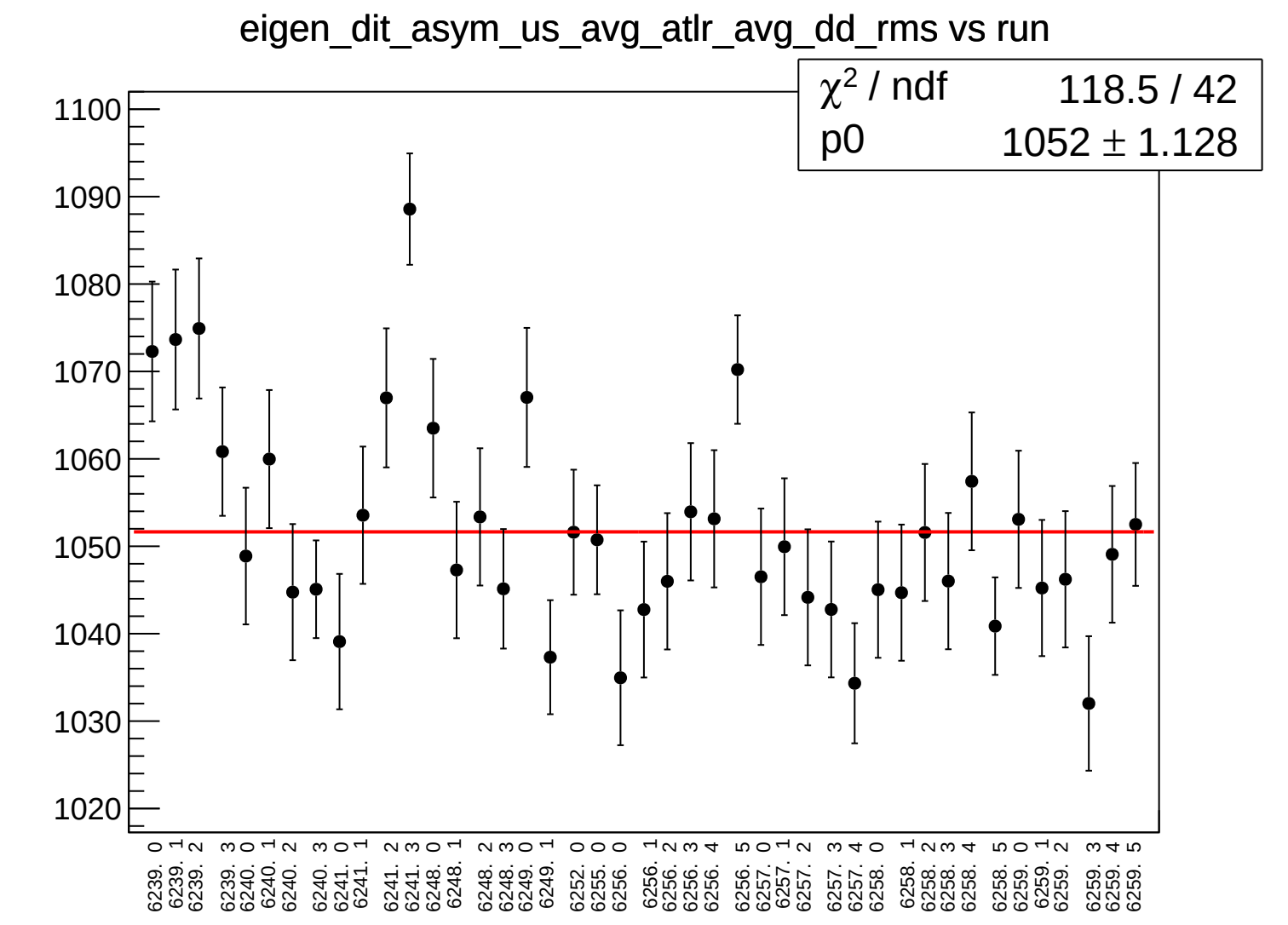

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.92 / 42
p0 752.7 ± 4117
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.41
Std Dev 0
2
1
0
−1
−2

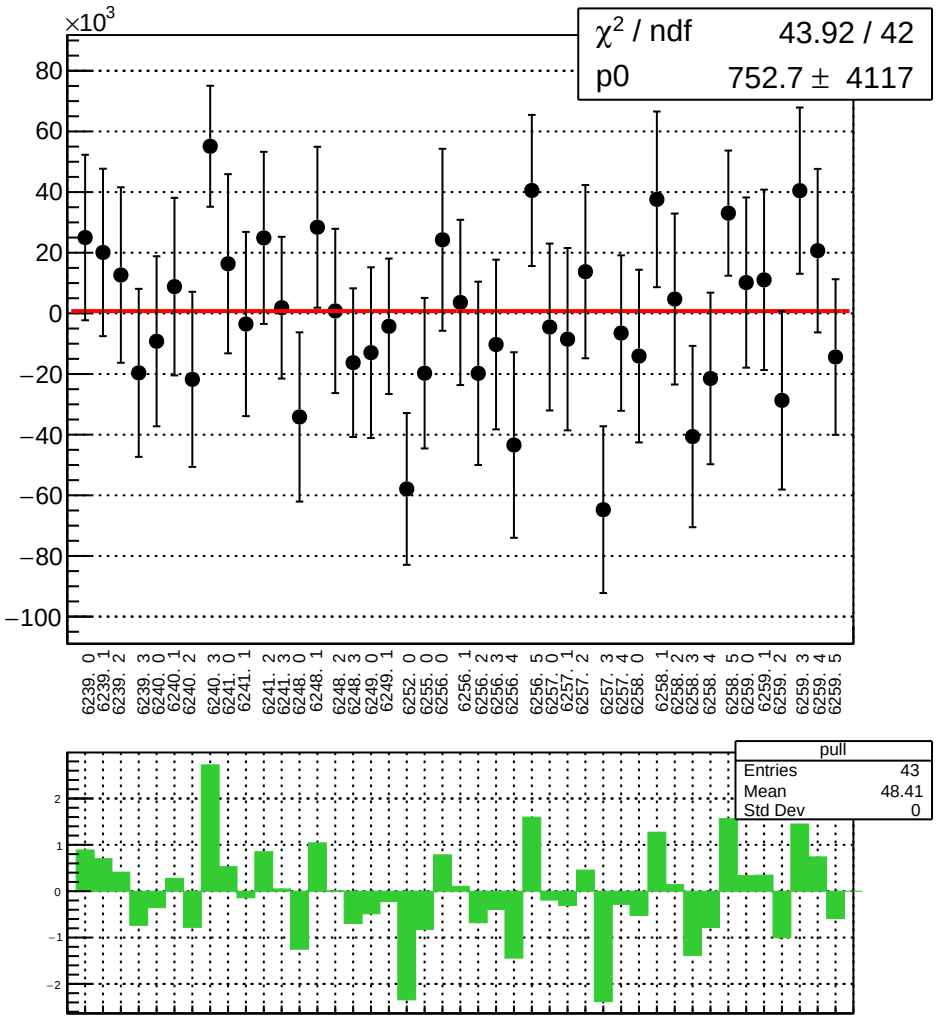

pull1D
Entries 43
Mean −0.03567
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

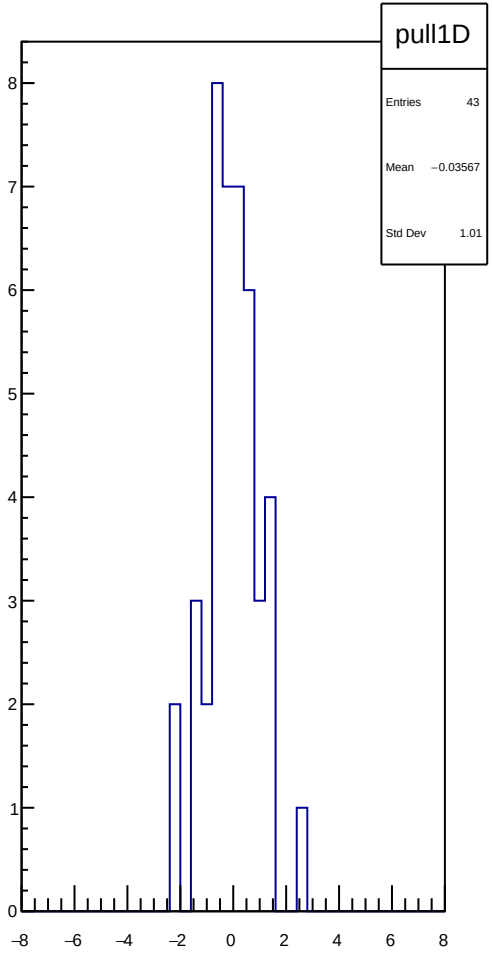

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 1726 / 42
p0 2712 ± 2.911
3100
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

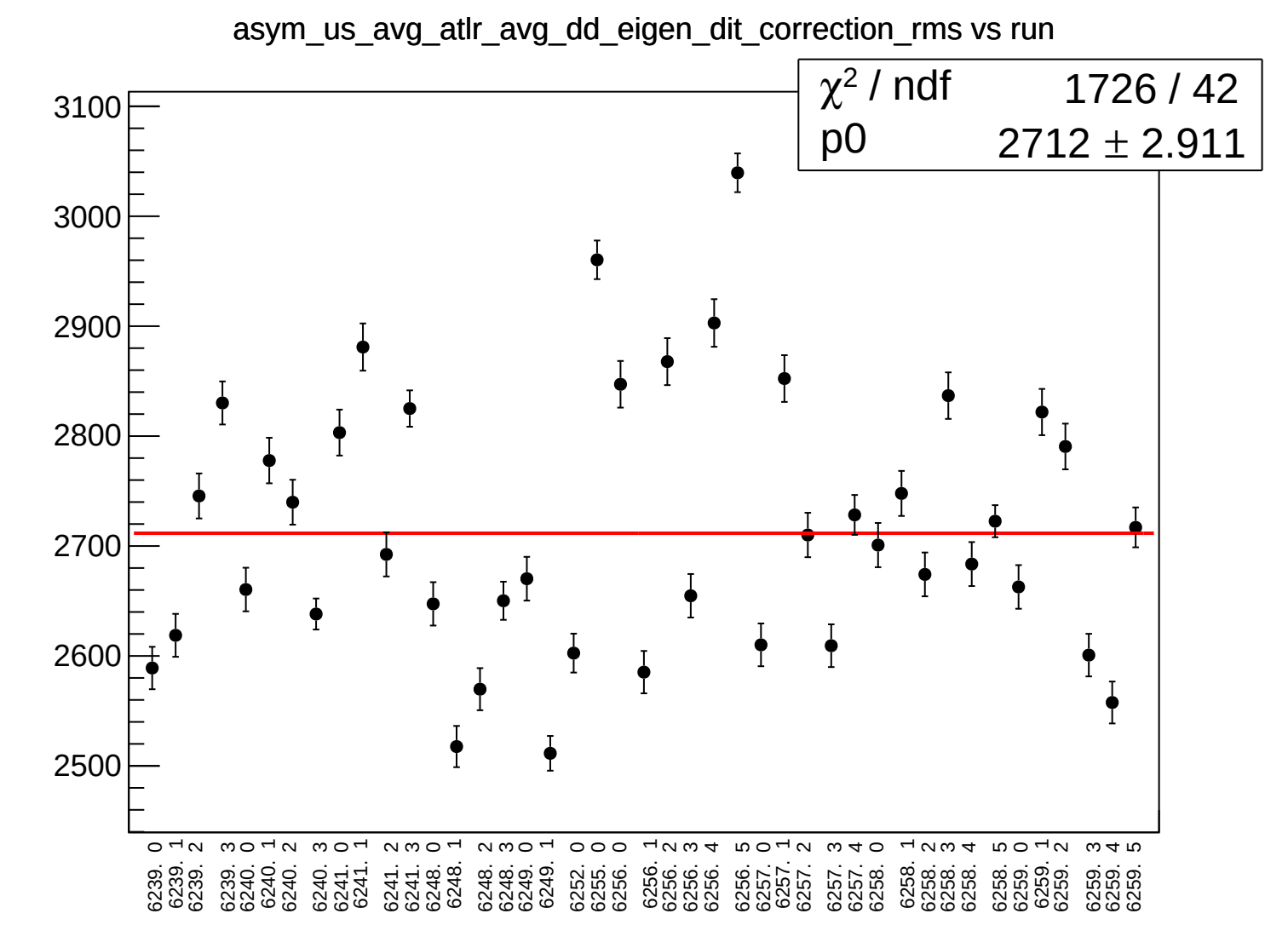

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 25.86 / 42
p0 −10.45 ± 1595
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −754.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

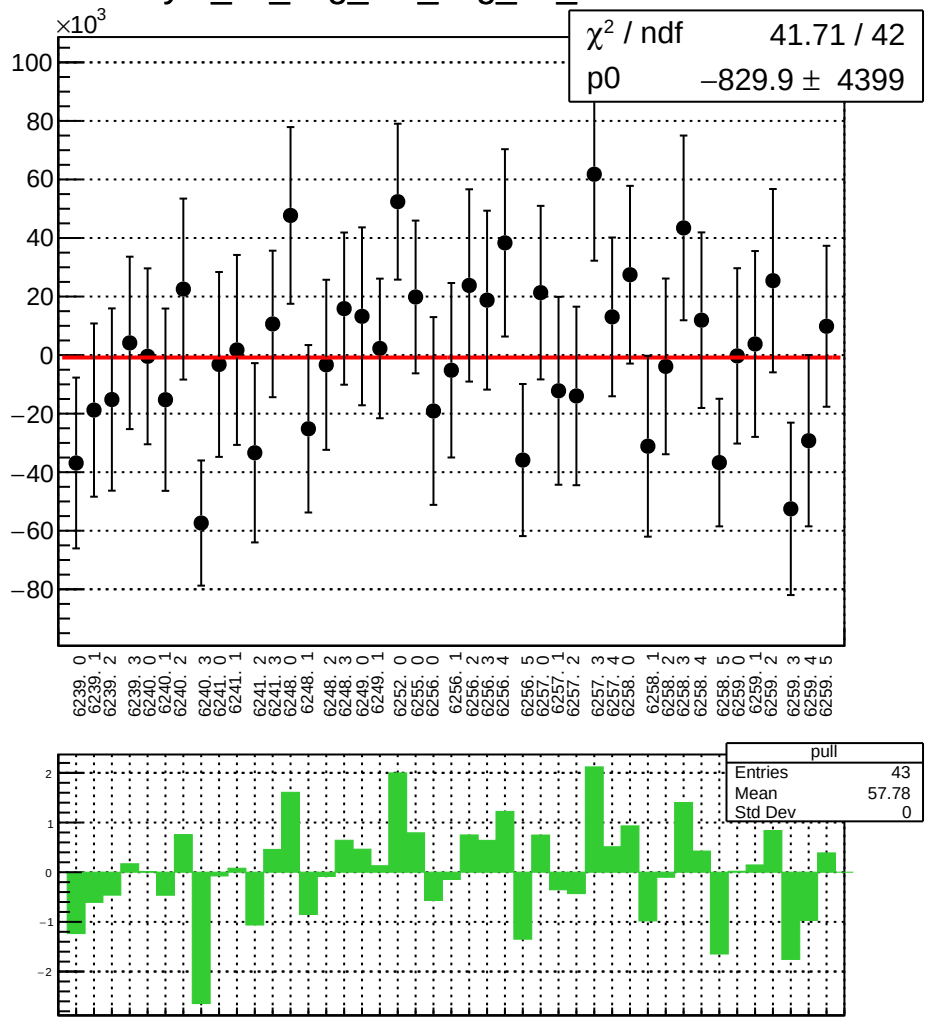

pull1D
Entries 43
Mean −0.001238
Std Dev 0.7754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

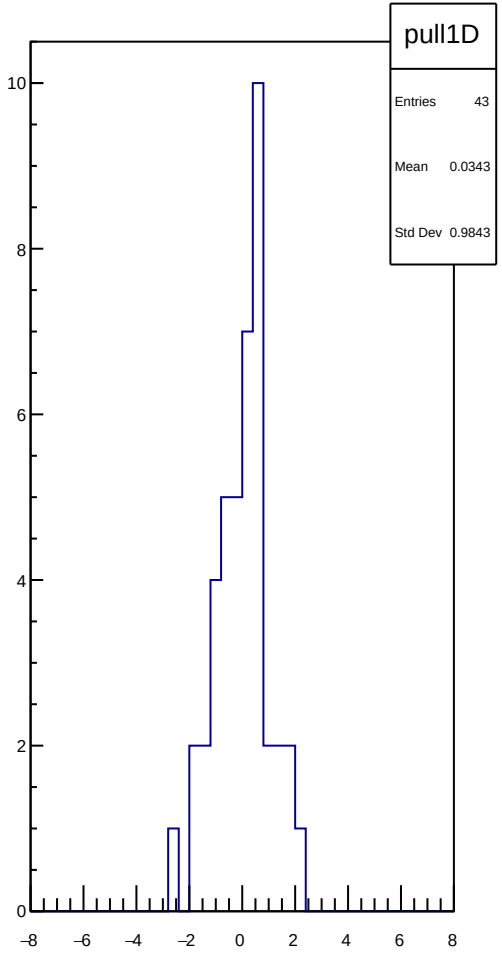

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 118.5 / 42
p0 1052 ± 1.128
1100
1090
1080
1070
1060
1050
1040
1030
1020
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

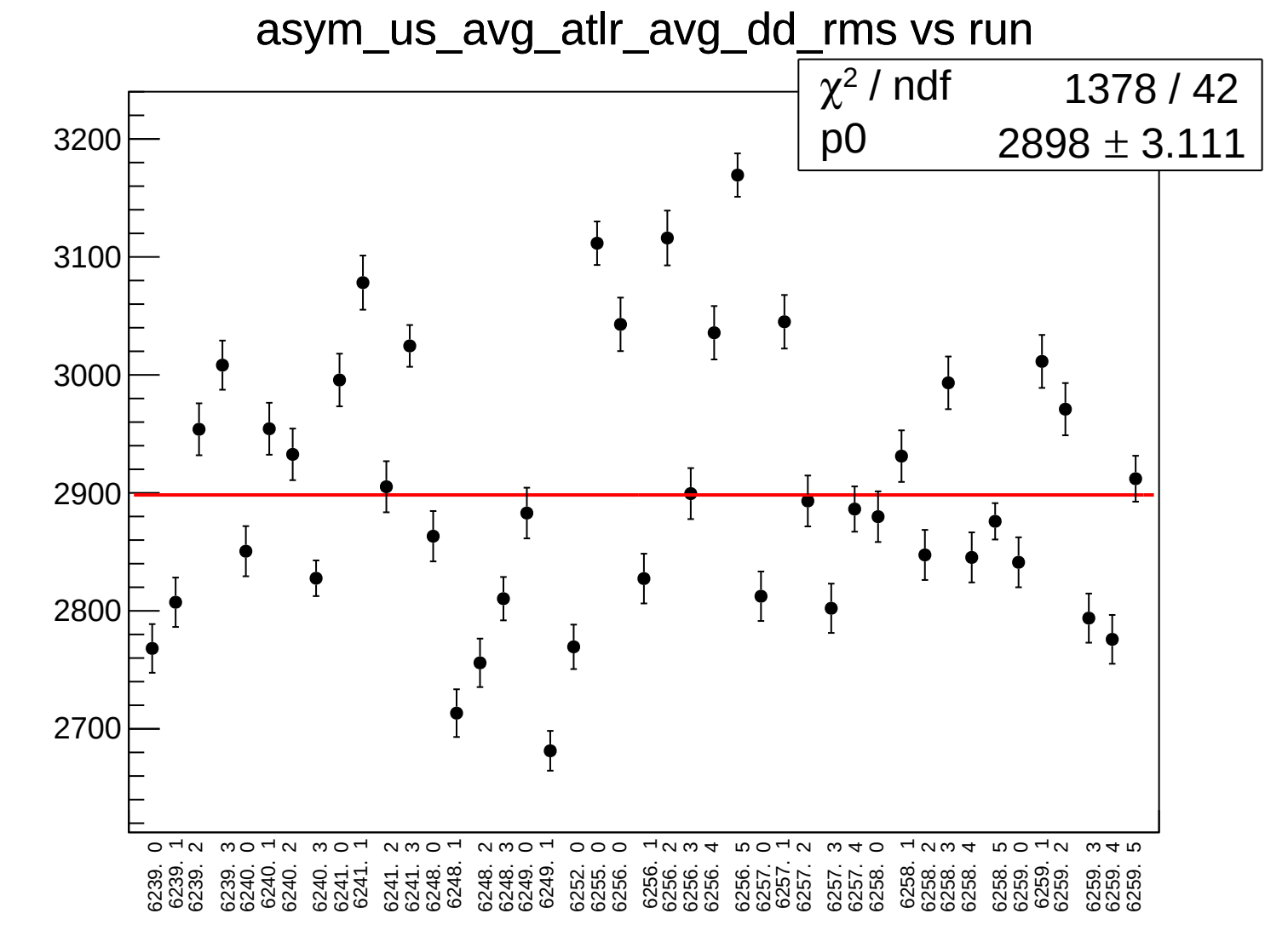

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.92 / 42
p0 752.7 ± 4117
pull
Entries 43
Mean 48.41
Std Dev 0

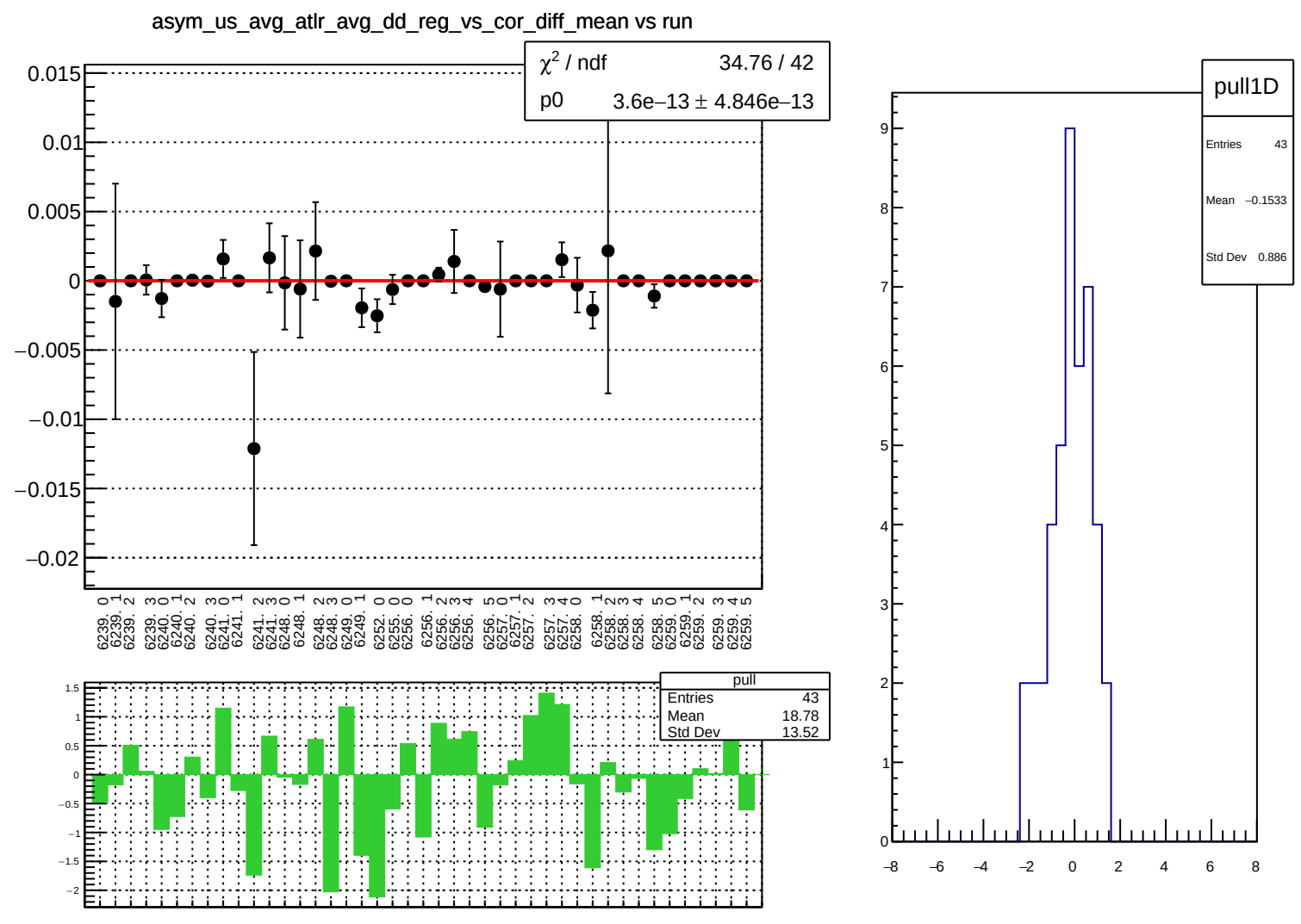

pull1D
Entries 43
Mean −0.03567
Std Dev 1.01

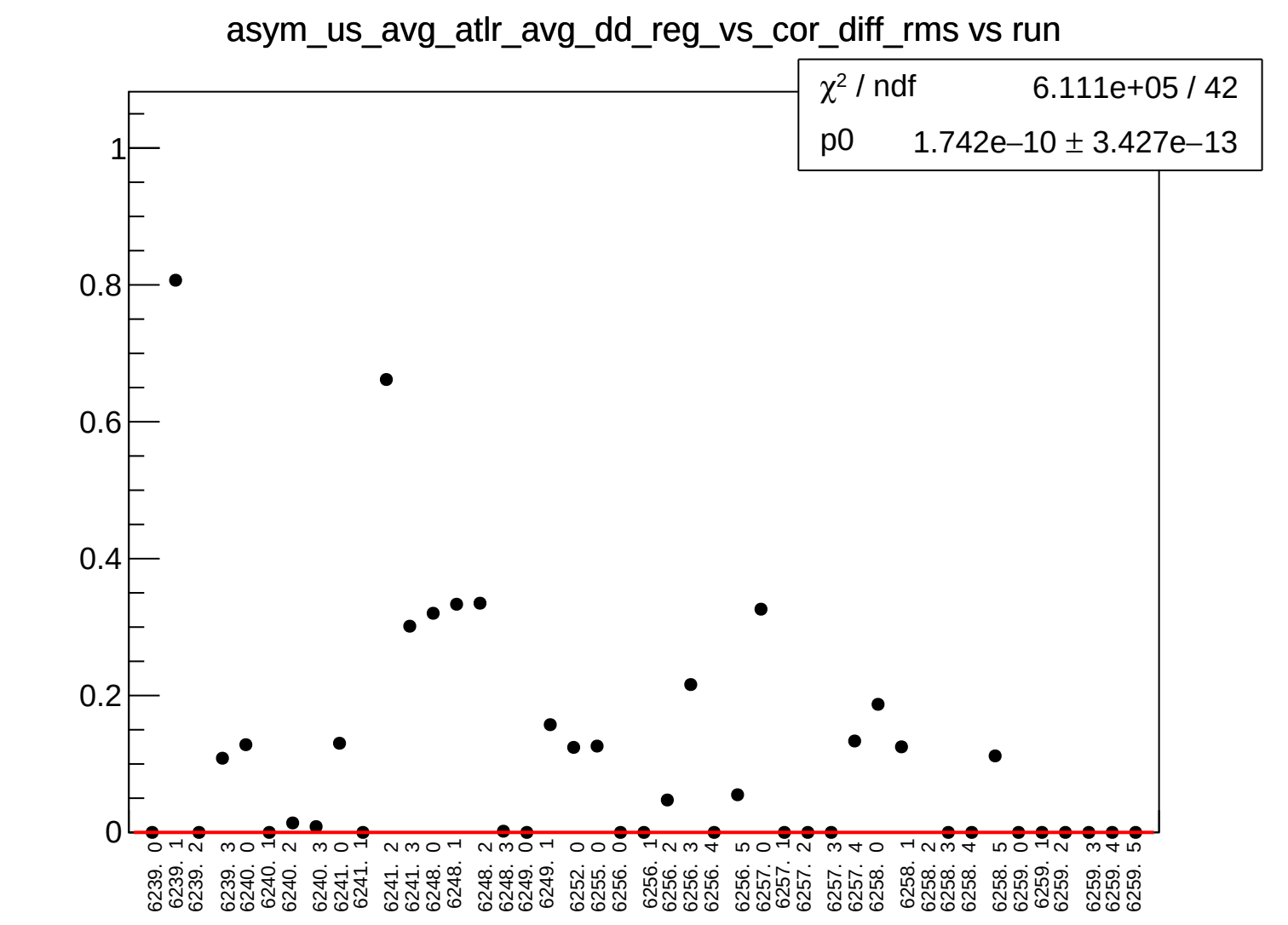

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1726 / 42
p0 2712 ± 2.911
3100
3000
2900
2800
2700
2600
2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

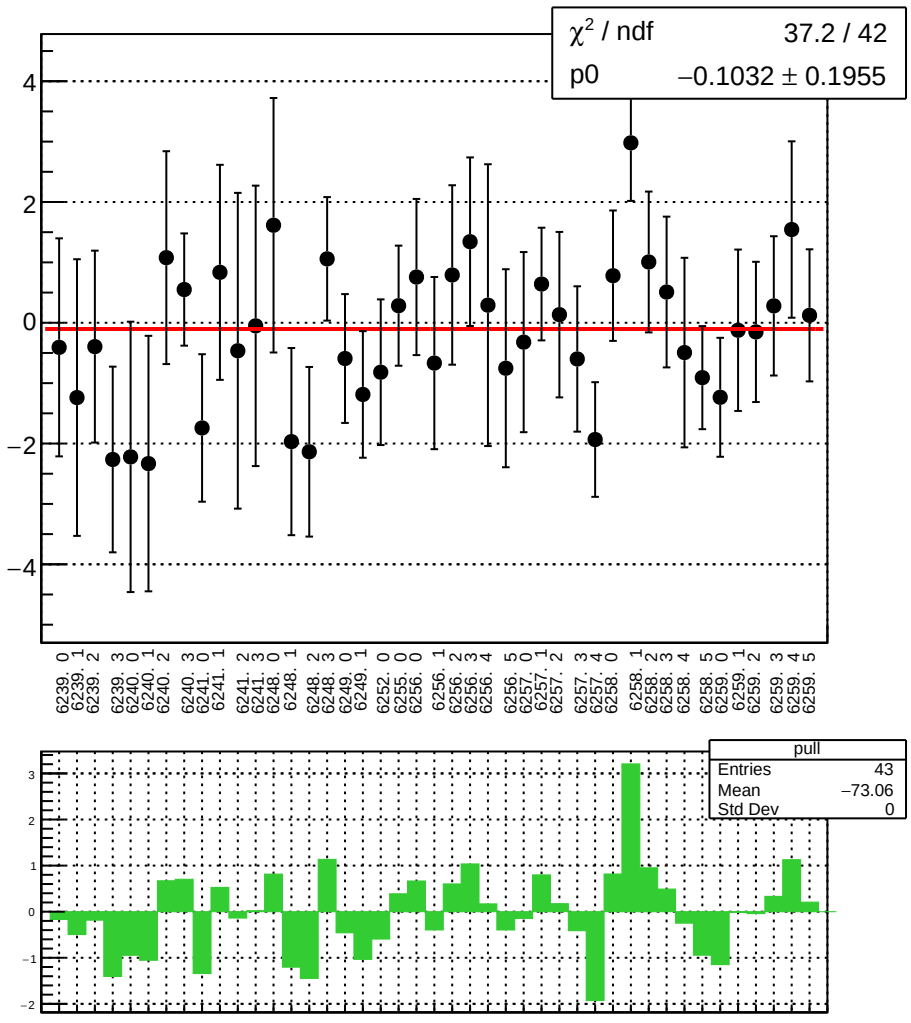

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 41.71 / 42
p0 −829.9 ± 4399
100
80
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.78
Std Dev 0
2
1
0
−1
−2

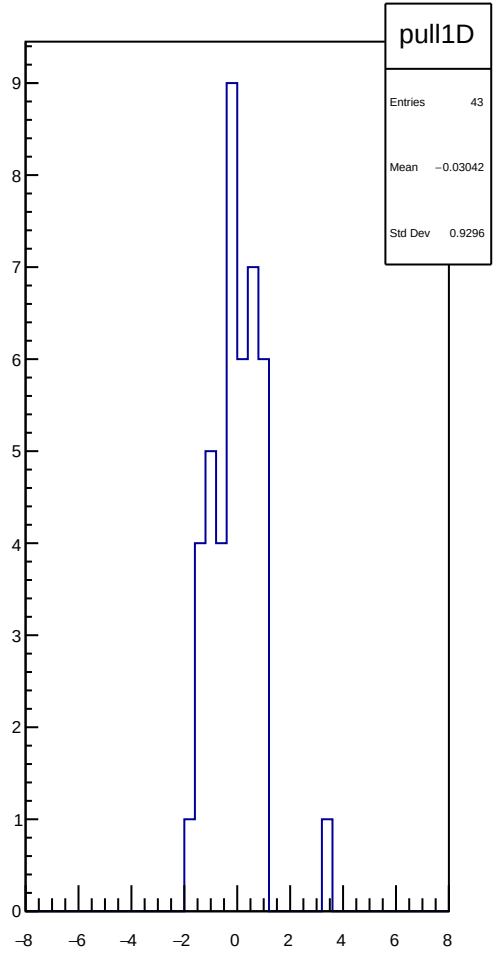

pull1D
Entries 43
Mean 0.0343
Std Dev 0.9843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

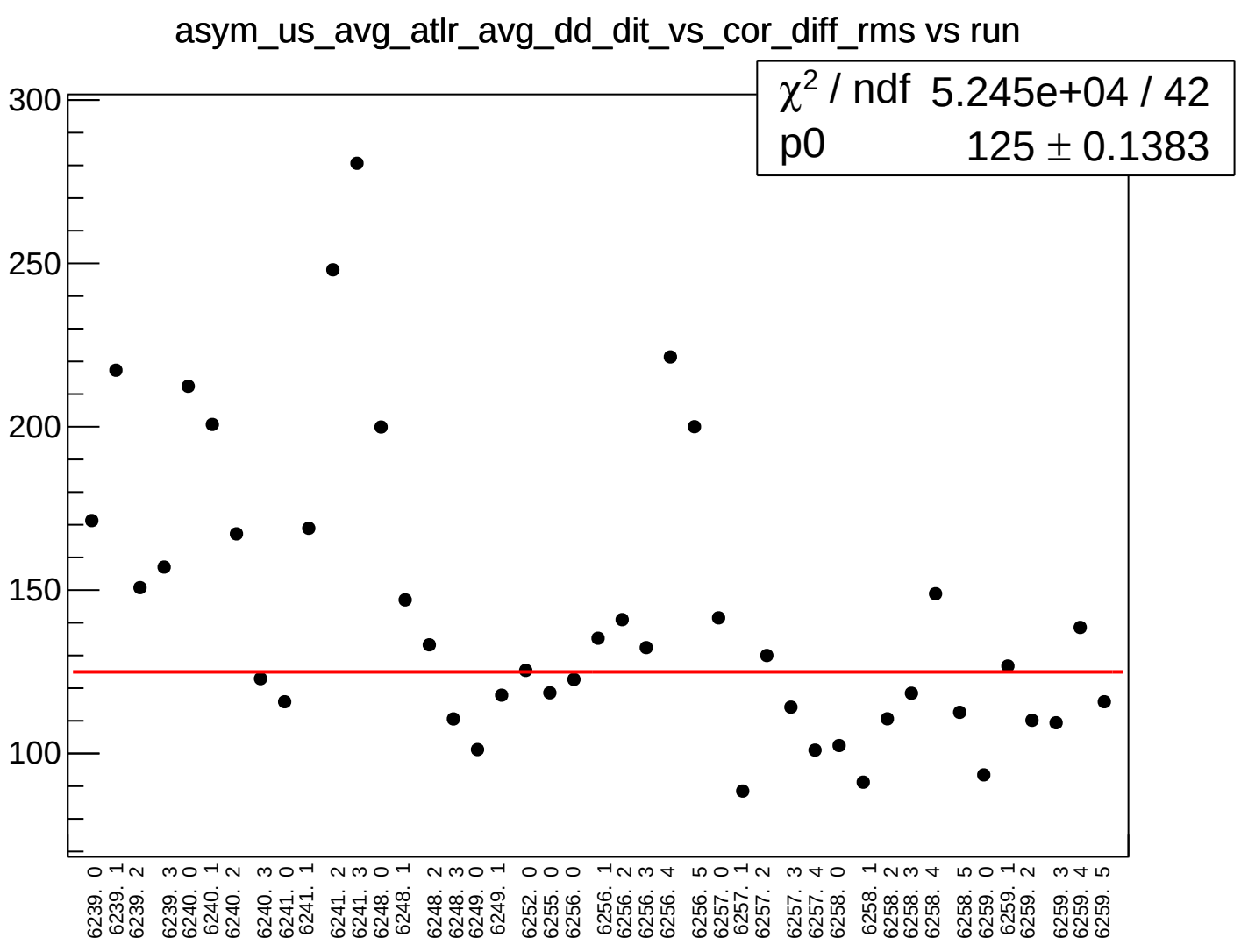

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1378 / 42
p0 2898 ± 3.111
3200
3100
3000
2900
2800
2700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

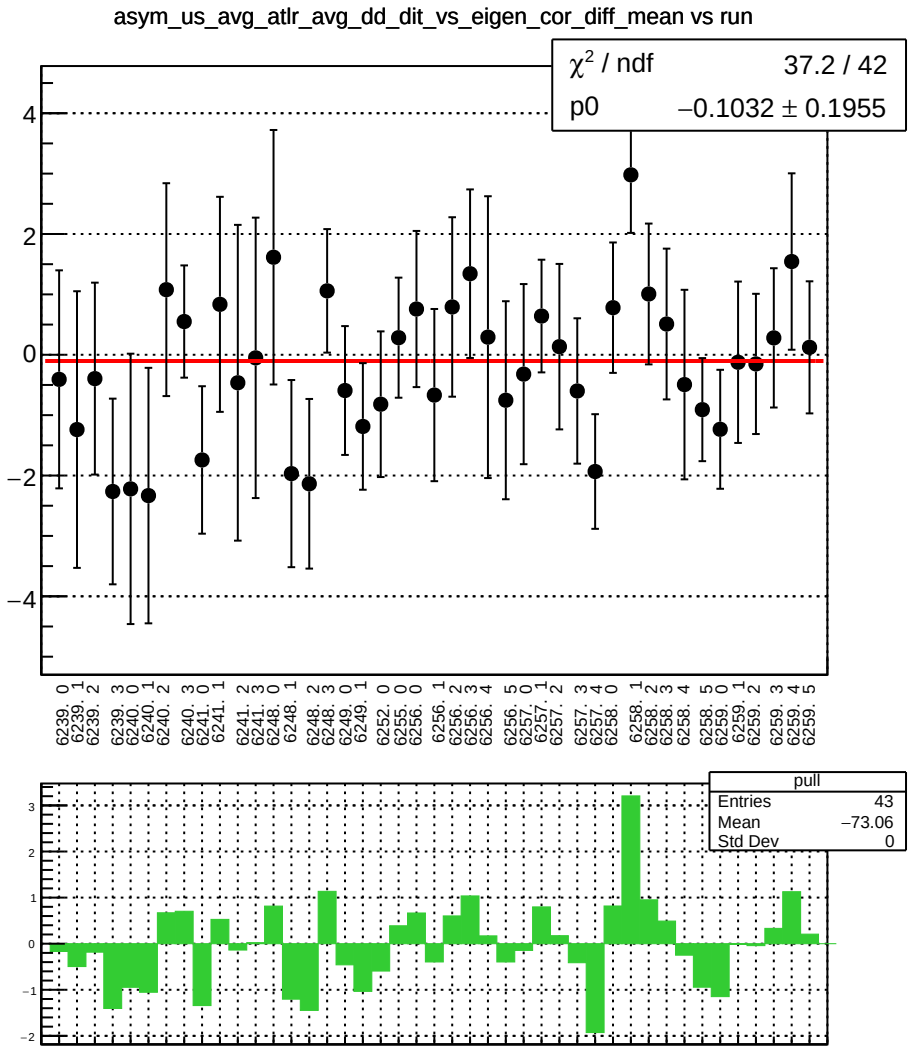

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.76 / 42
p0 3.6e−13 ± 4.846e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.78
Std Dev 13.52
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1533
Std Dev 0.886
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

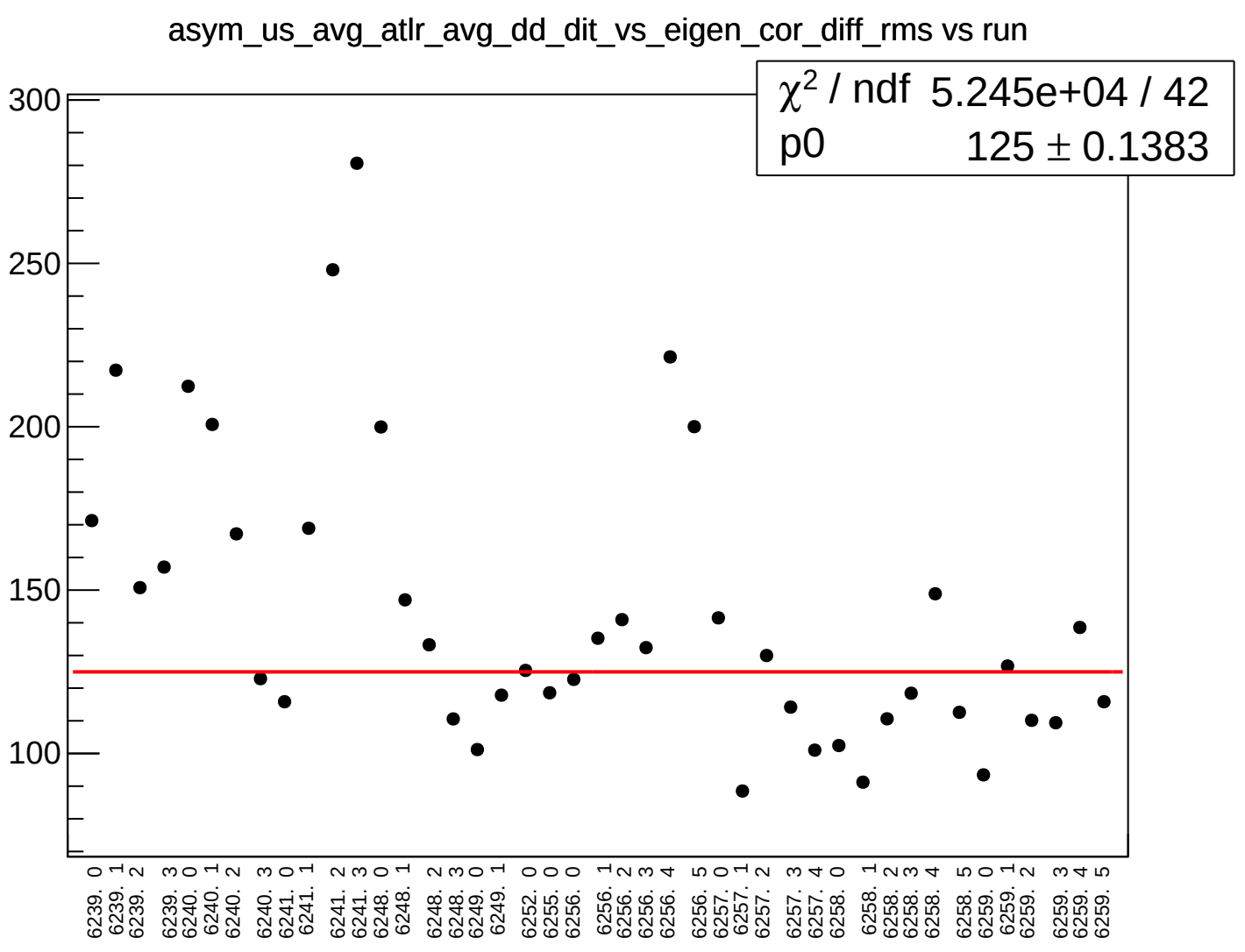

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.111e+05 / 42
p0 1.742e−10 ± 3.427e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

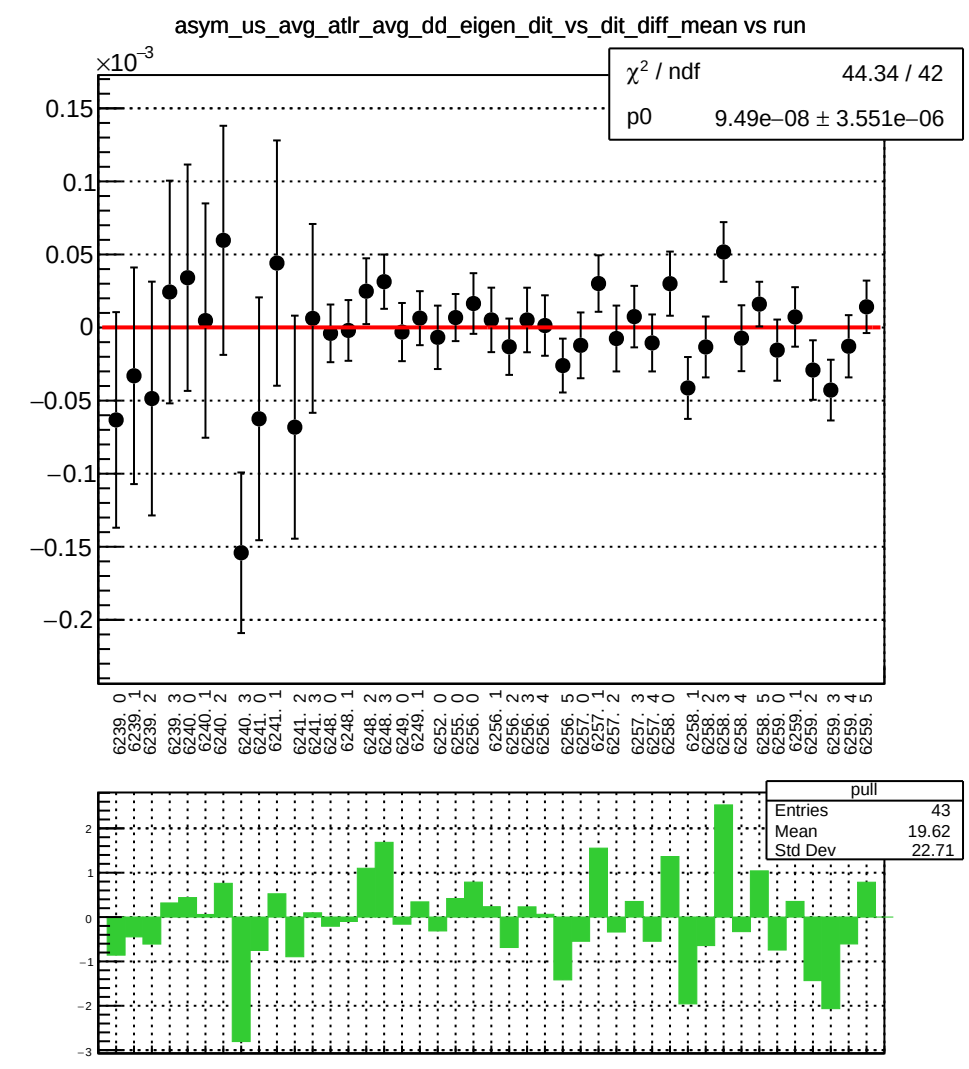

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.2 / 42
p0 −0.1032 ± 0.1955
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −73.06
Std Dev 0
3
2
1
0
−1
−2

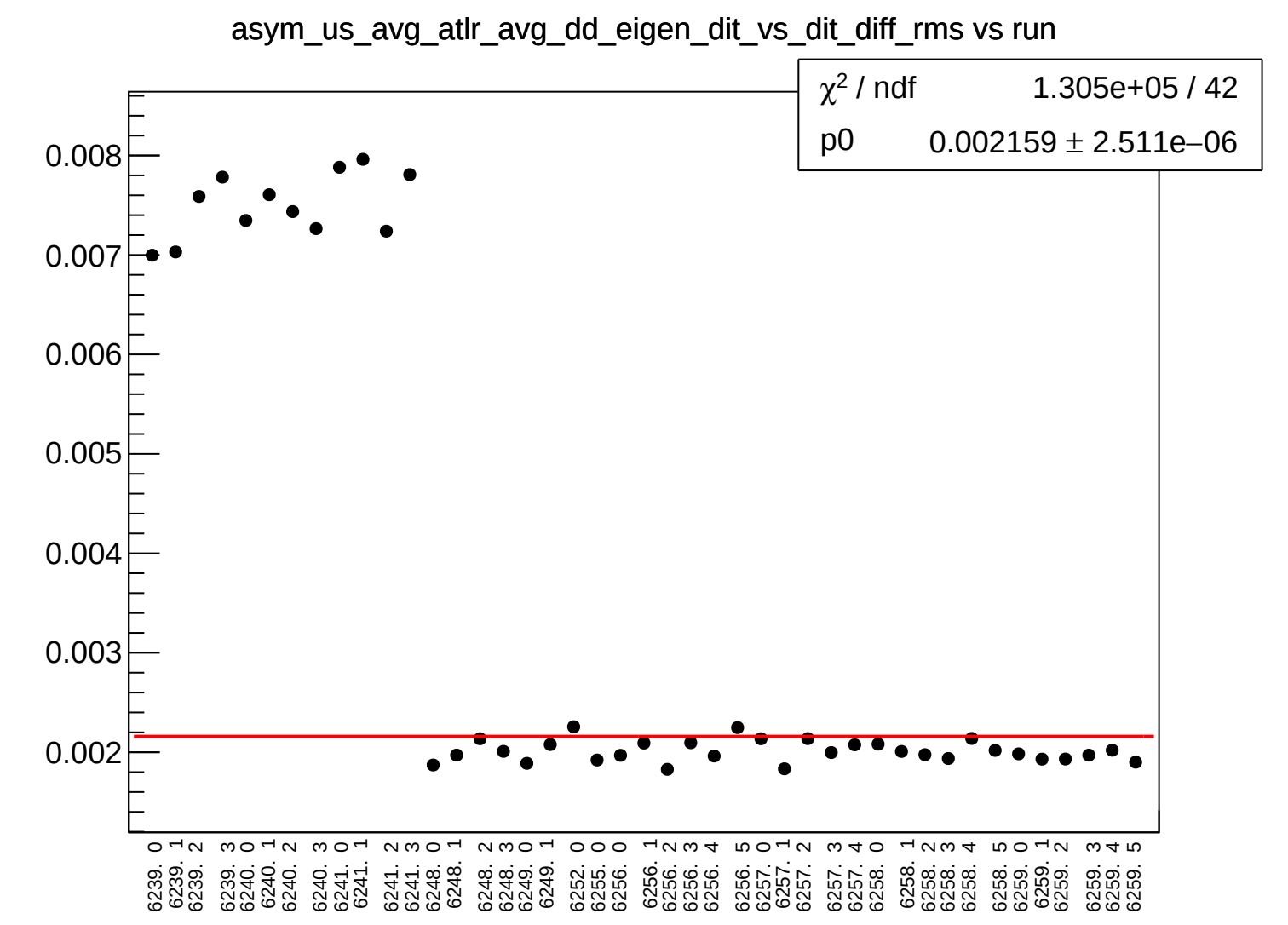

pull1D
Entries 43
Mean −0.03042
Std Dev 0.9296
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

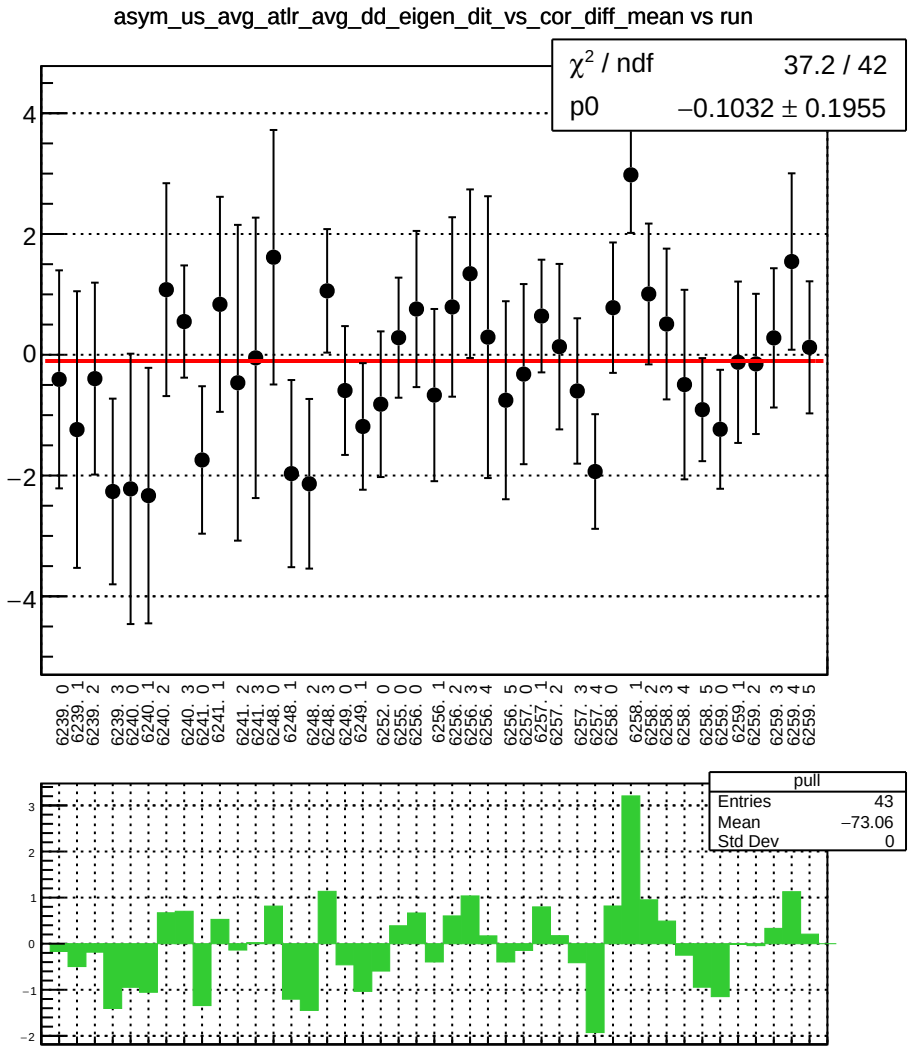

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.245e+04 / 42
p0 125 ± 0.1383
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

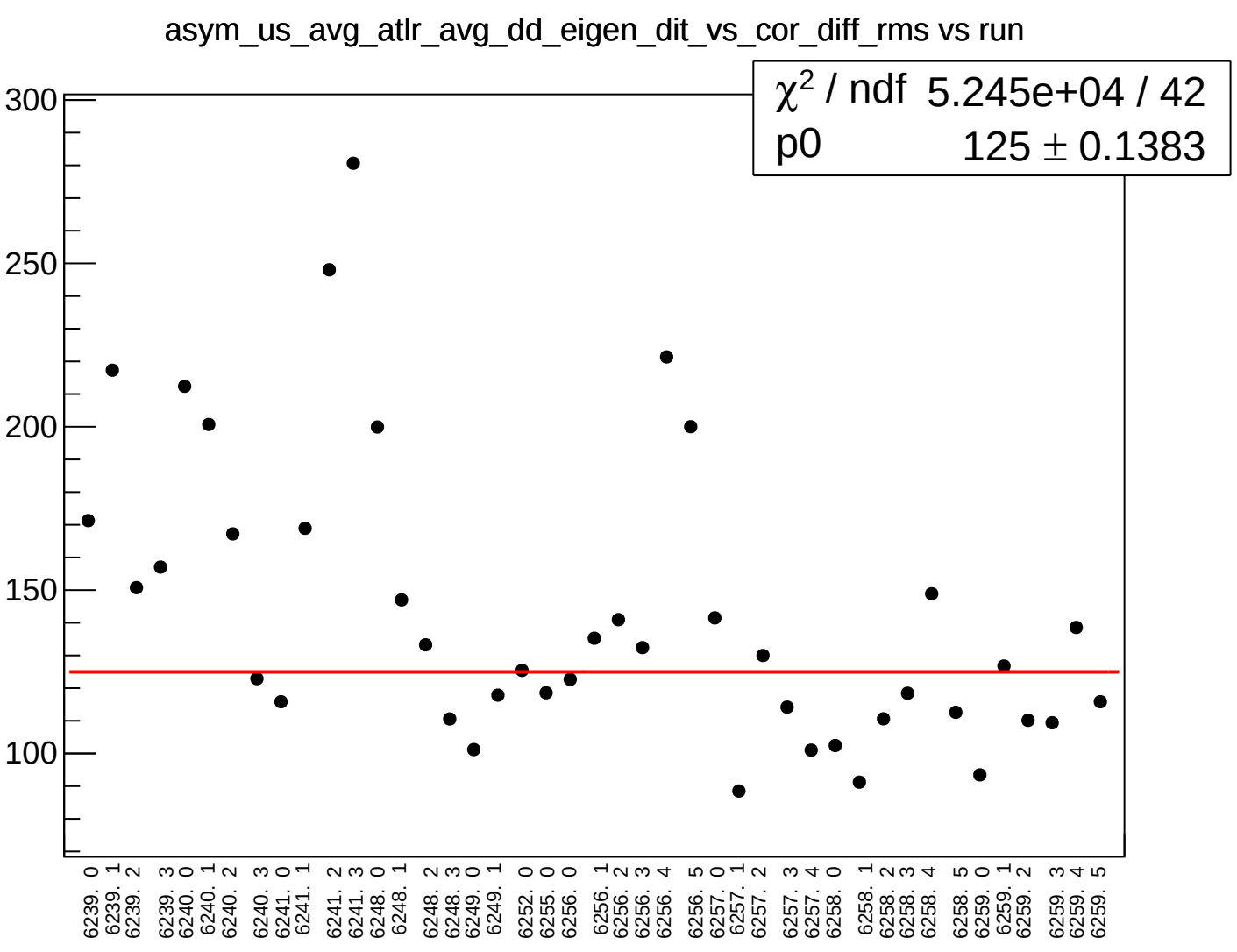

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.2 / 42
p0 −0.1032 ± 0.1955
pull
Entries 43
Mean −73.06
Std Dev 0
pull1D
Entries 43
Mean −0.03042
Std Dev 0.9296

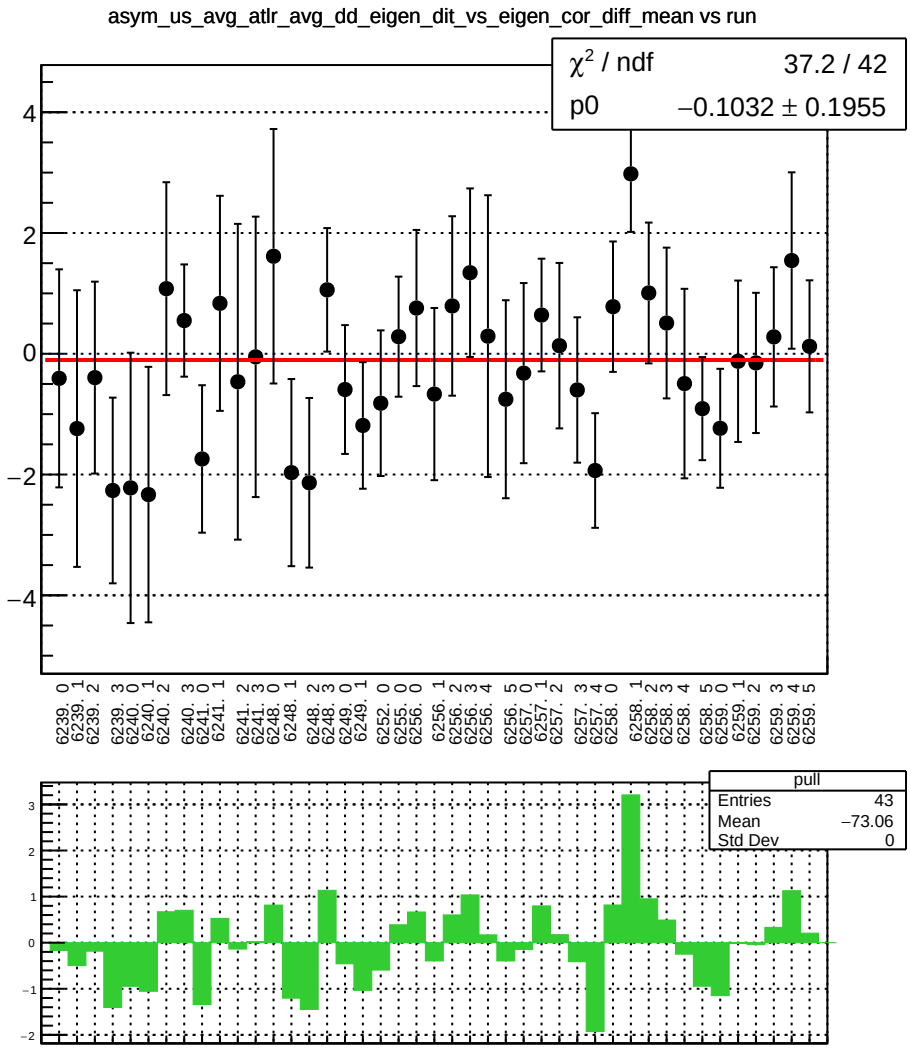

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.245e+04 / 42
p0 125 ± 0.1383
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

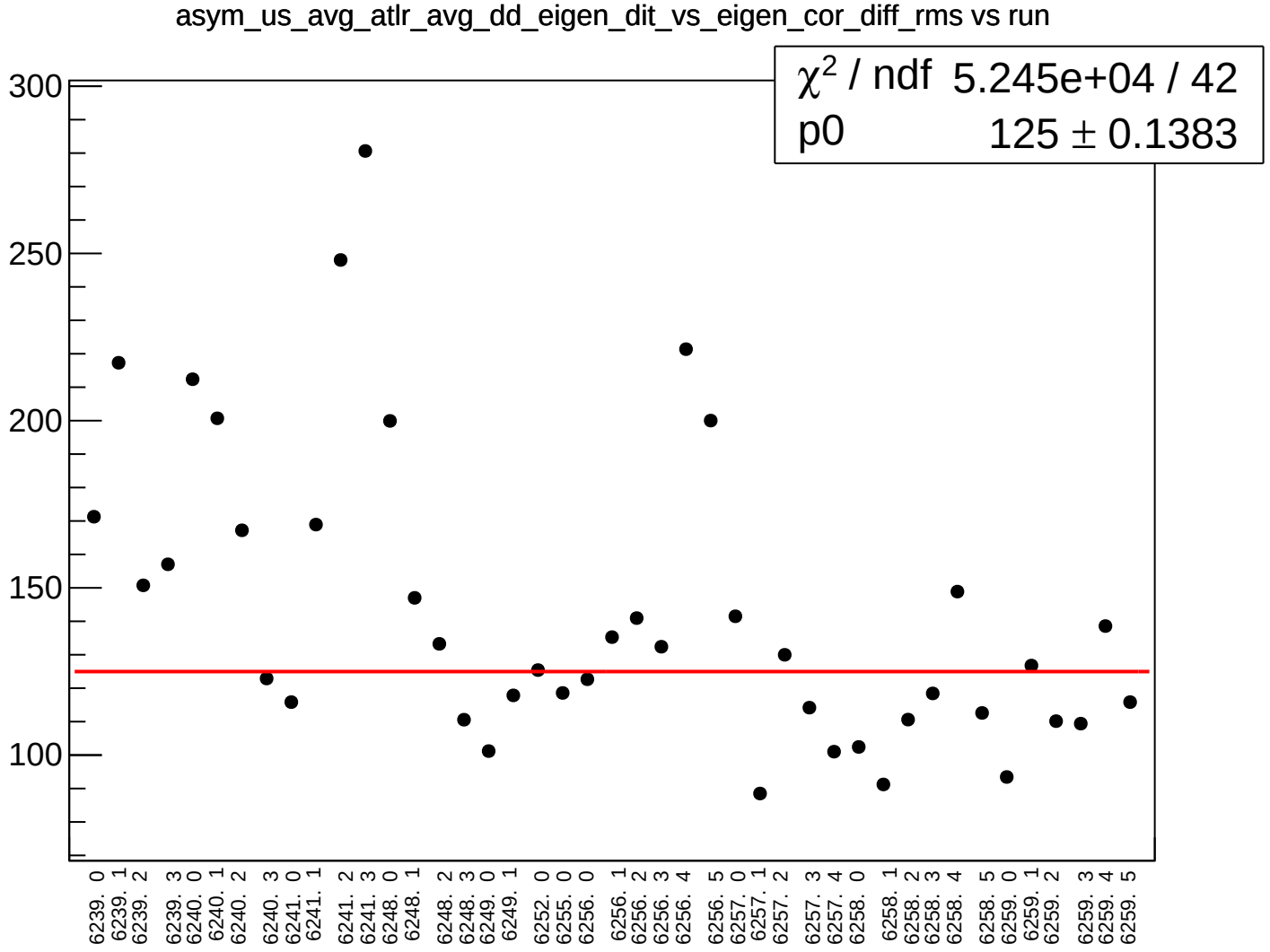

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 44.34 / 42
p0 9.49e−08 ± 3.551e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.62
Std Dev 22.71
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.07959
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

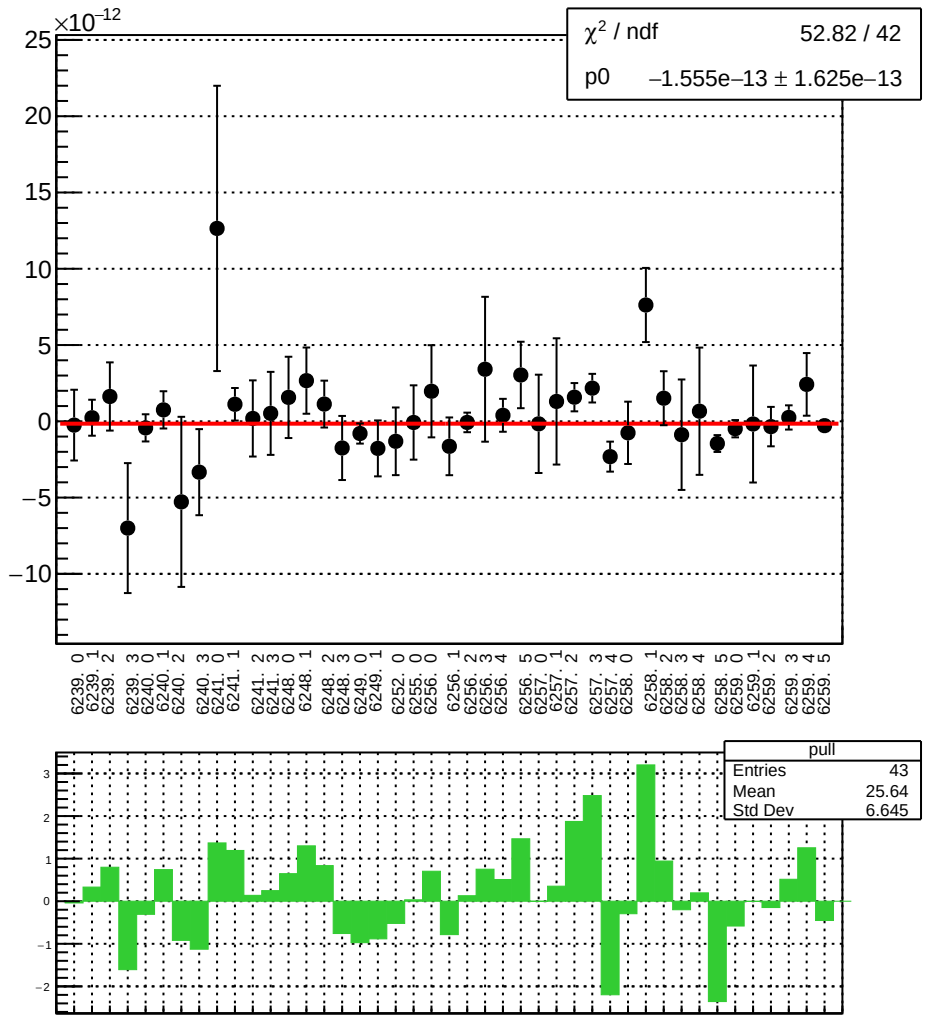

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.305e+05 / 42
p0 0.002159 ± 2.511e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

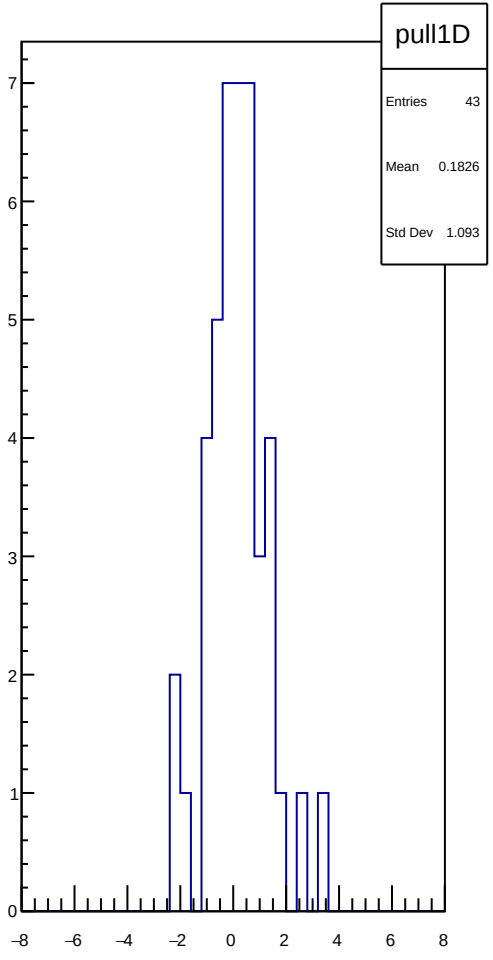

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.2 / 42
p0 −0.1032 ± 0.1955
pull
Entries 43
Mean −73.06
Std Dev 0
pull1D
Entries 43
Mean −0.03042
Std Dev 0.9296

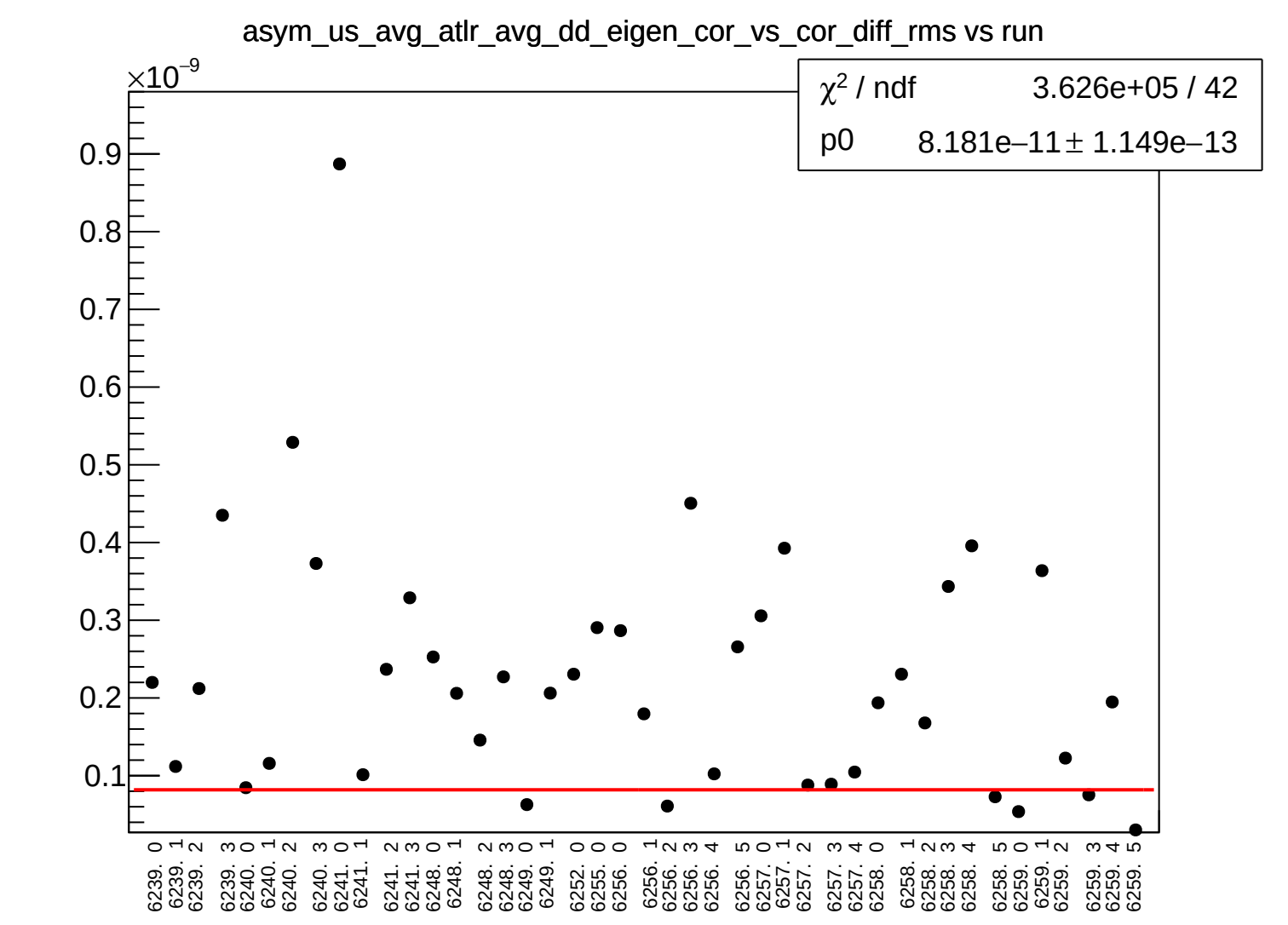

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.245e+04 / 42
p0 125 ± 0.1383
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

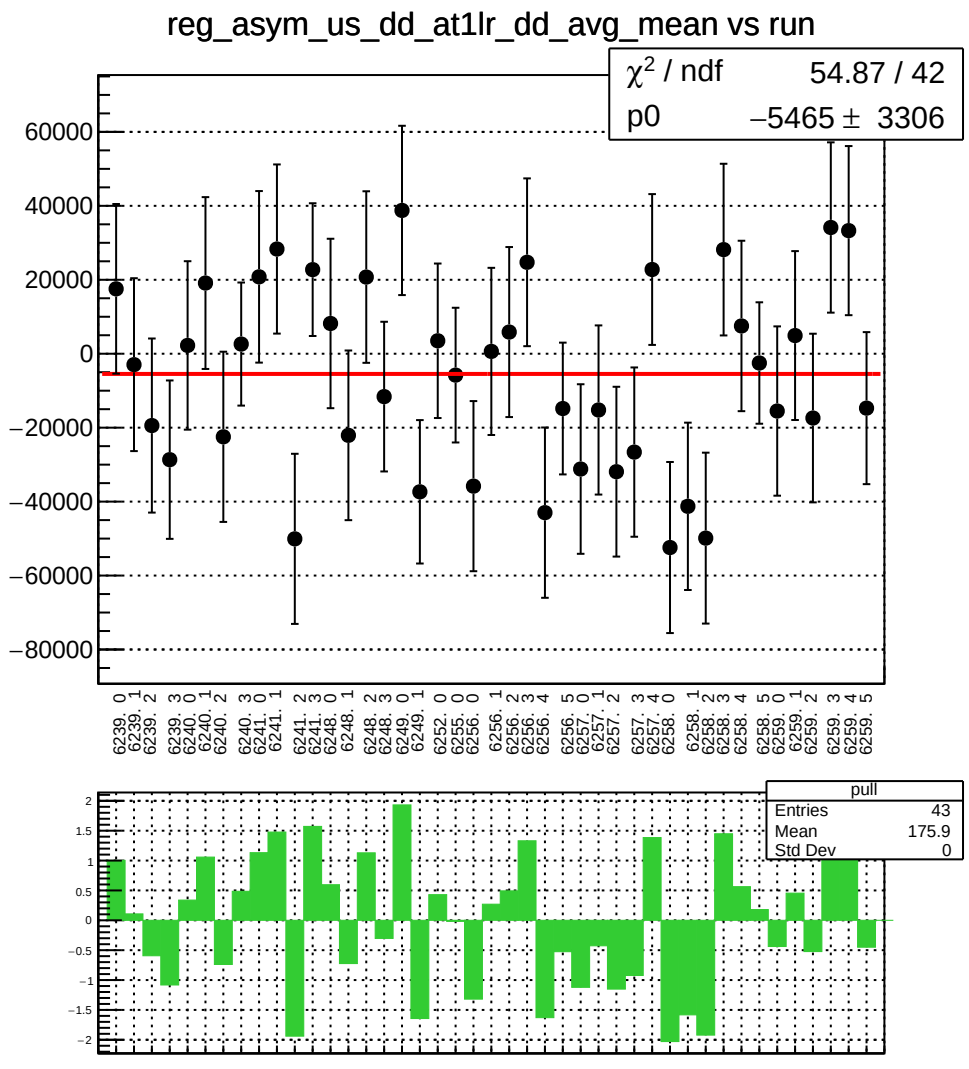

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.2 / 42
p0 −0.1032 ± 0.1955
pull
Entries 43
Mean −73.06
Std Dev 0
pull1D
Entries 43
Mean −0.03042
Std Dev 0.9296

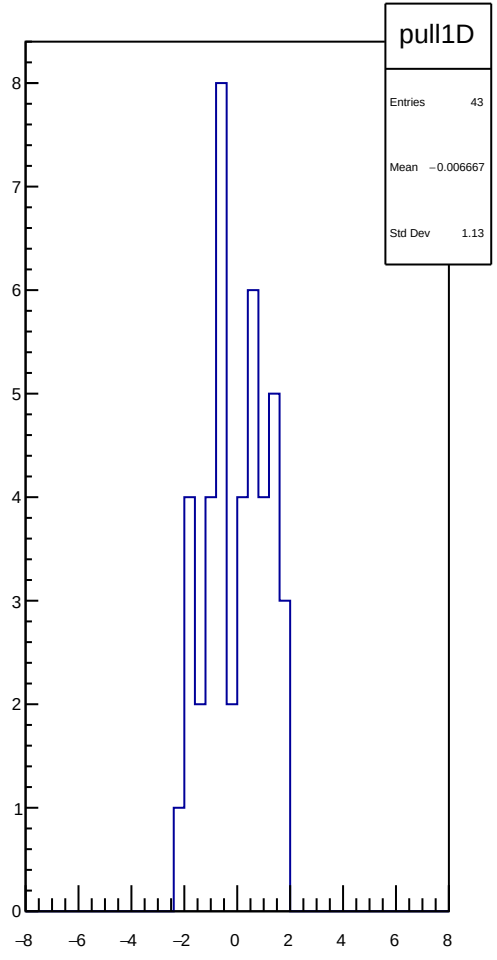

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.245e+04 / 42
p0 125 ± 0.1383
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

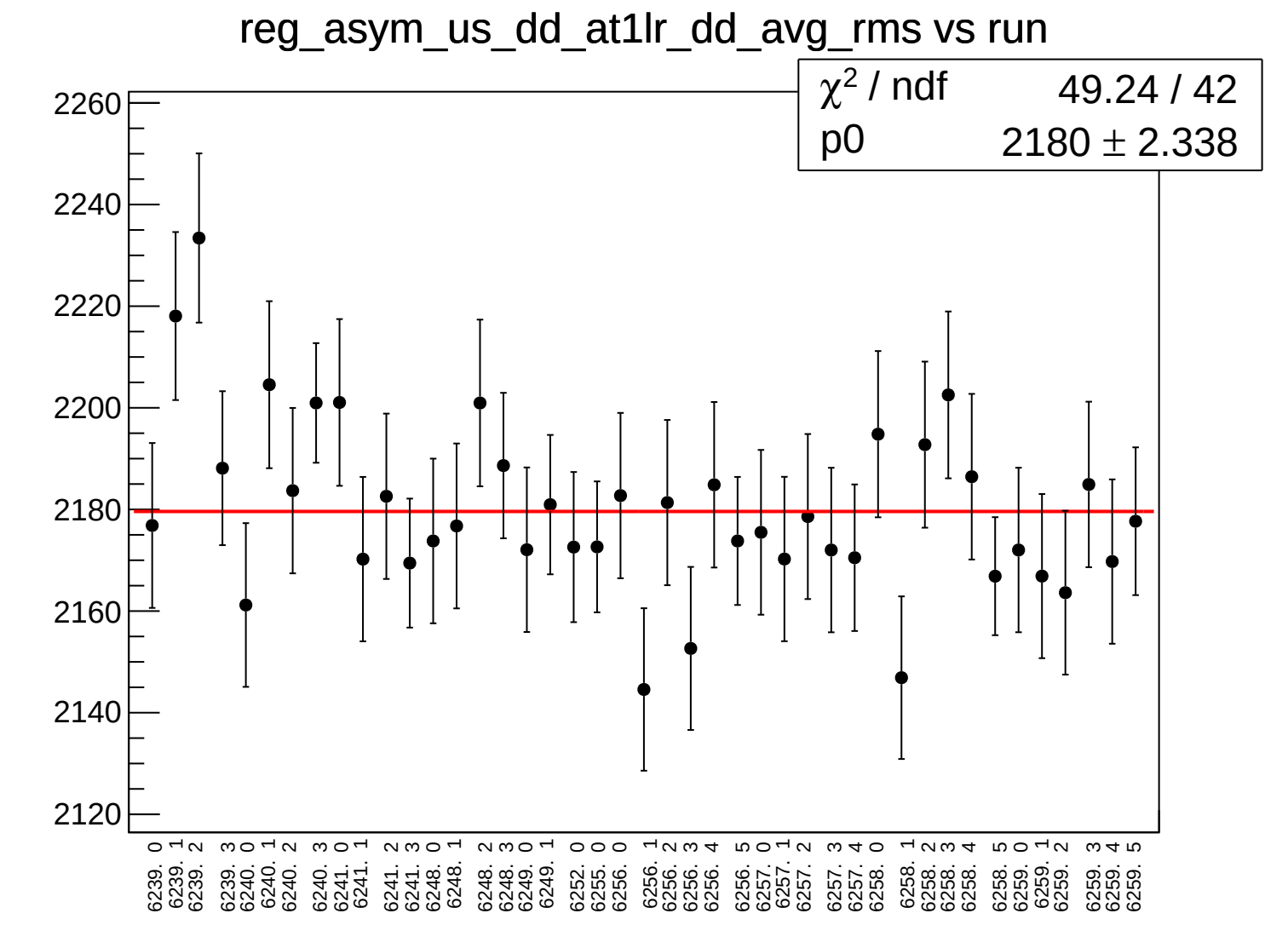

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.82 / 42
p0 −1.555e−13 ± 1.625e−13
pull
Entries 43
Mean 25.64
Std Dev 6.645

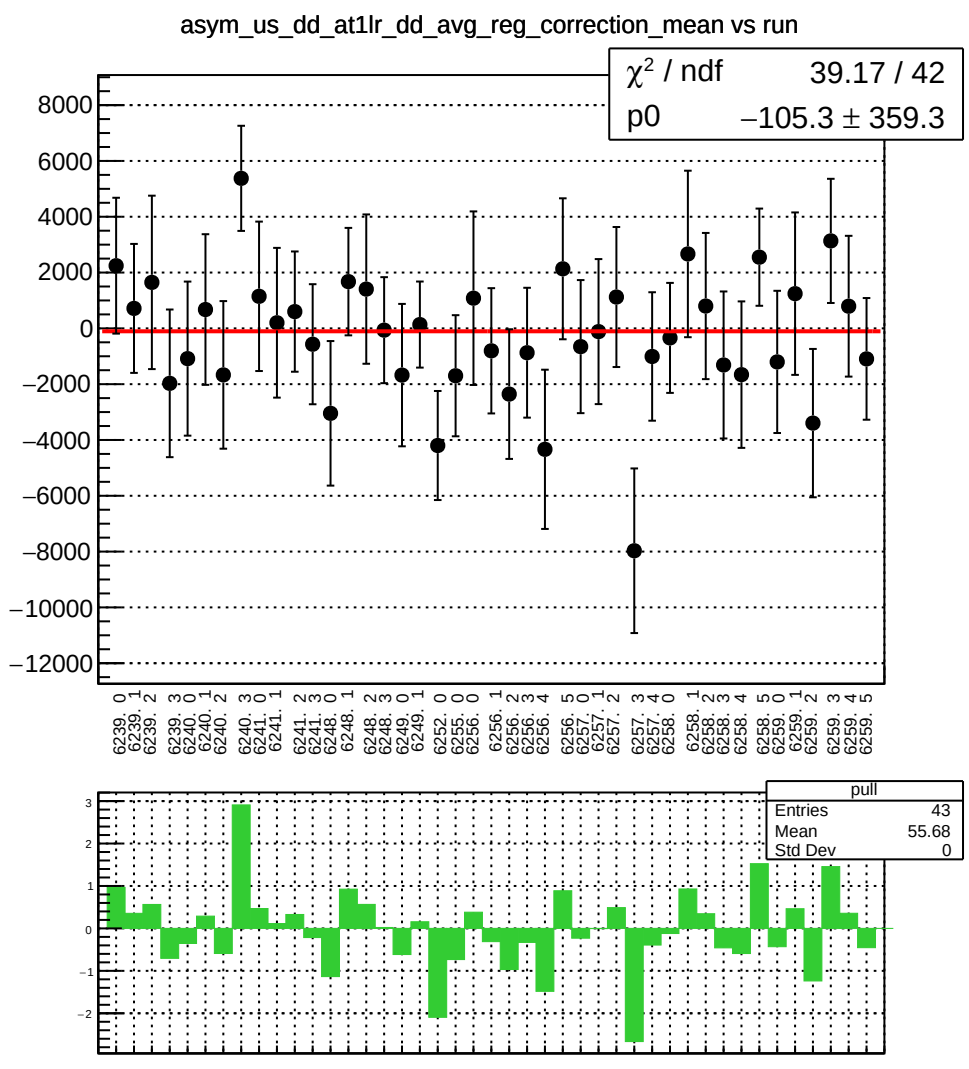

pull1D
Entries 43
Mean 0.1826
Std Dev 1.093

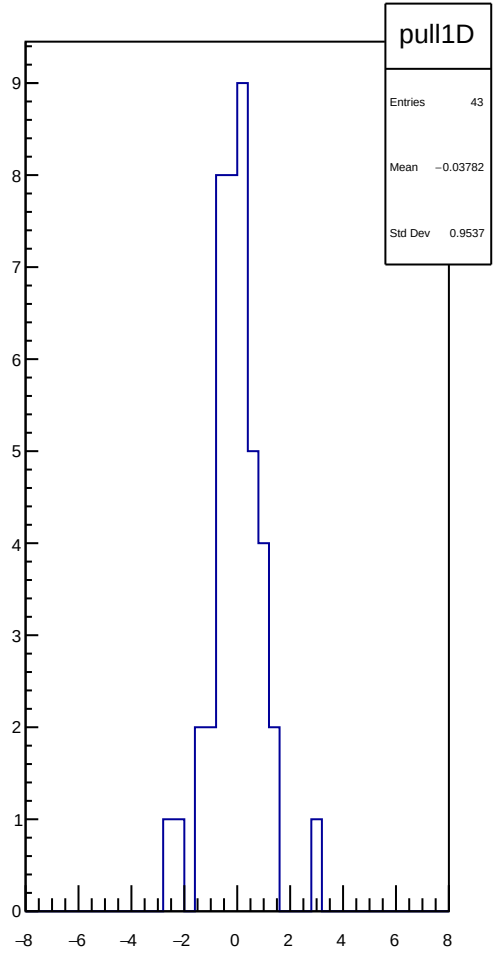

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.626e+05 / 42
p0 8.181e−11 ± 1.149e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

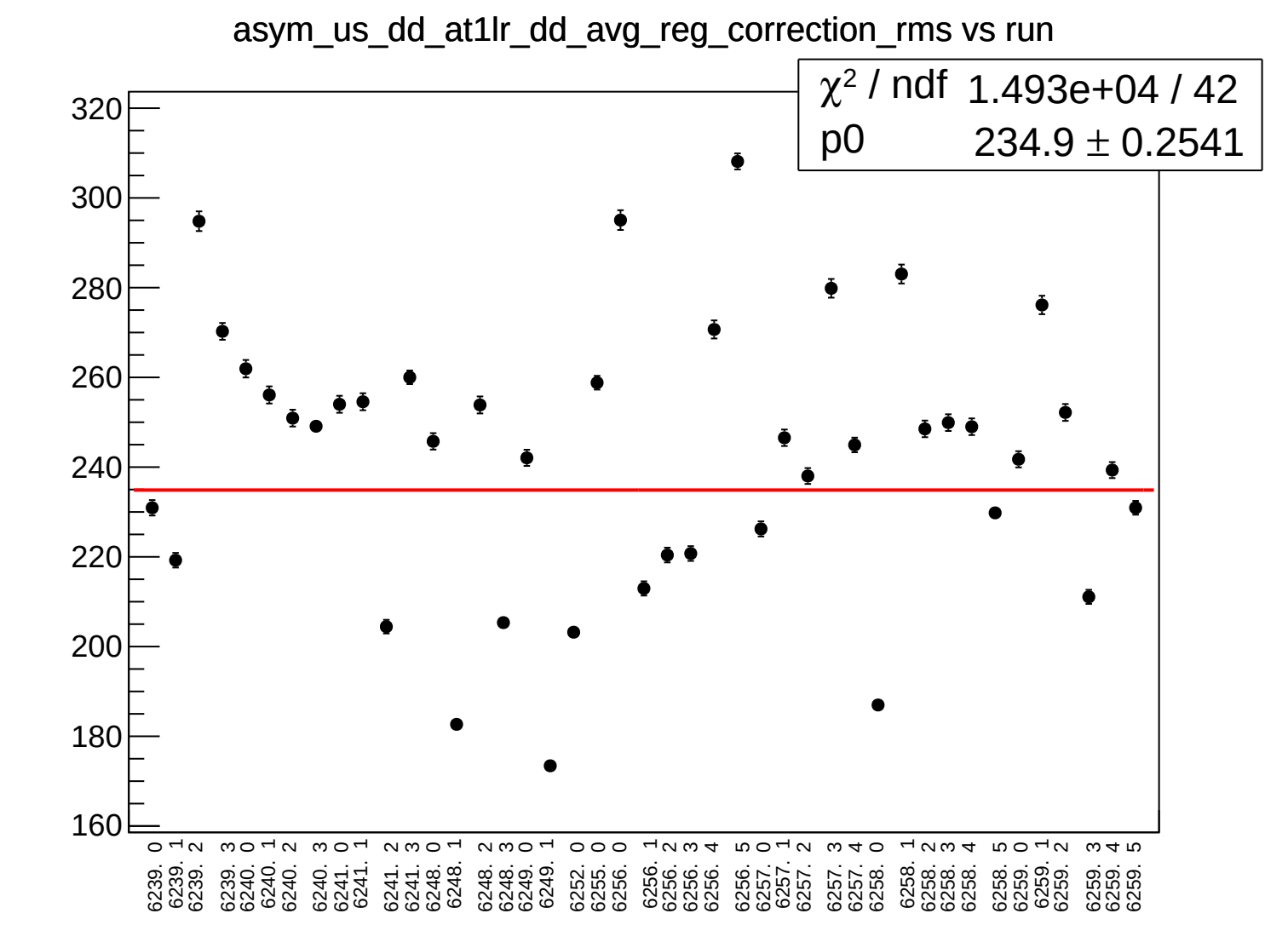

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 54.87 / 42
p0 −5465 ± 3306
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 175.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

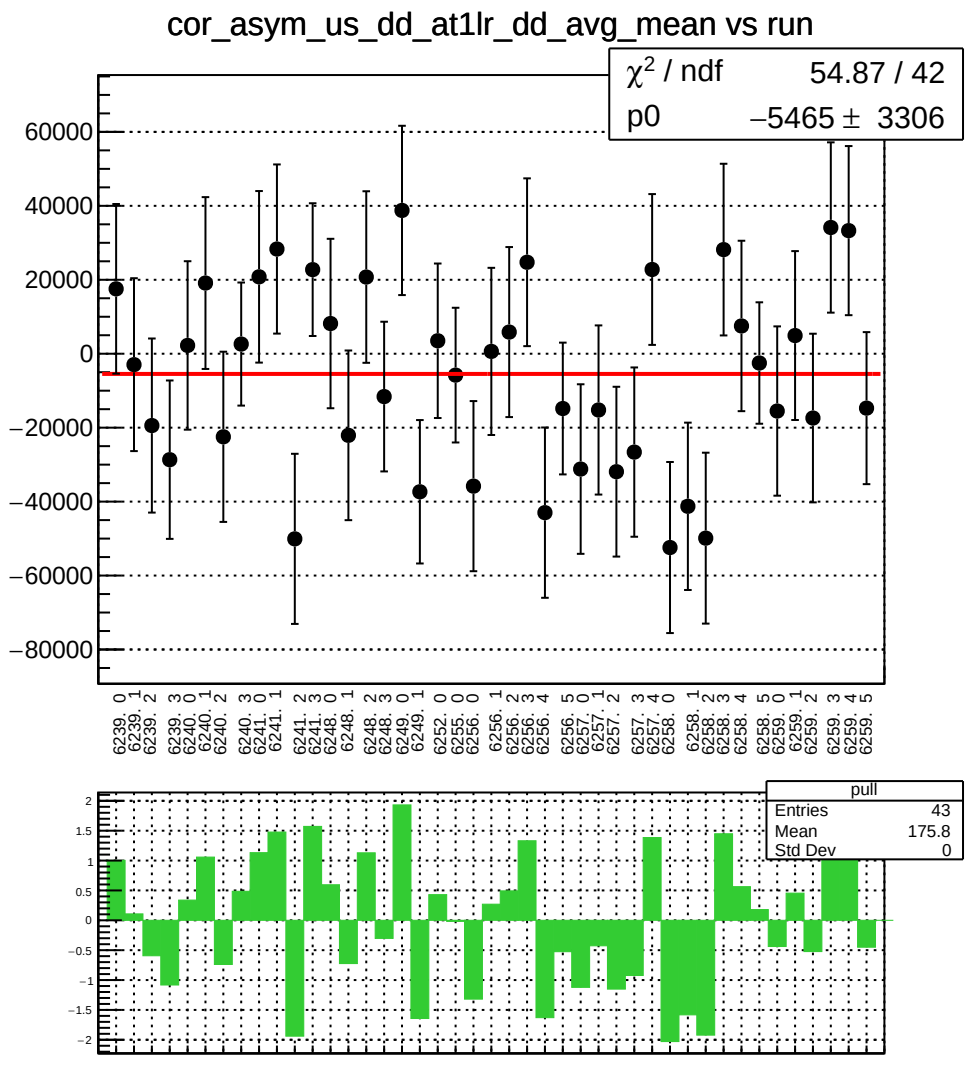

pull1D
Entries 43
Mean −0.006667
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

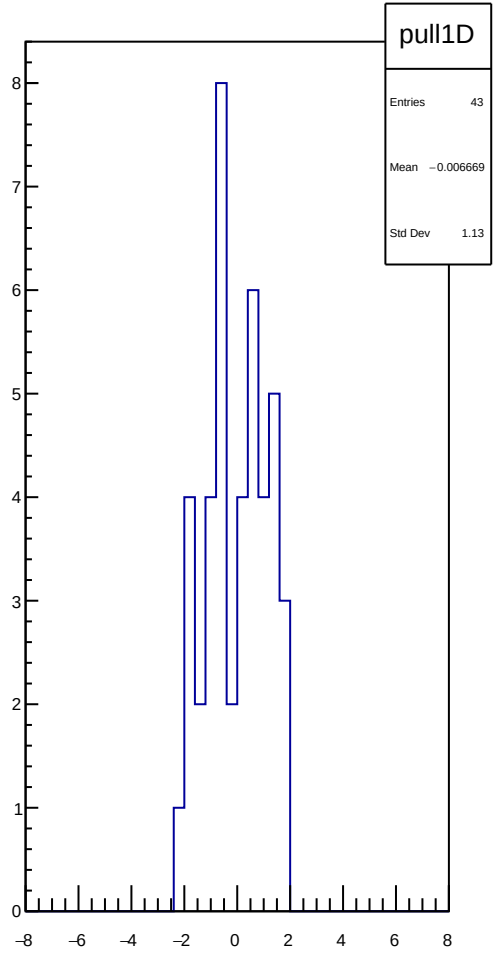

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 49.24 / 42
p0 2180 ± 2.338
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

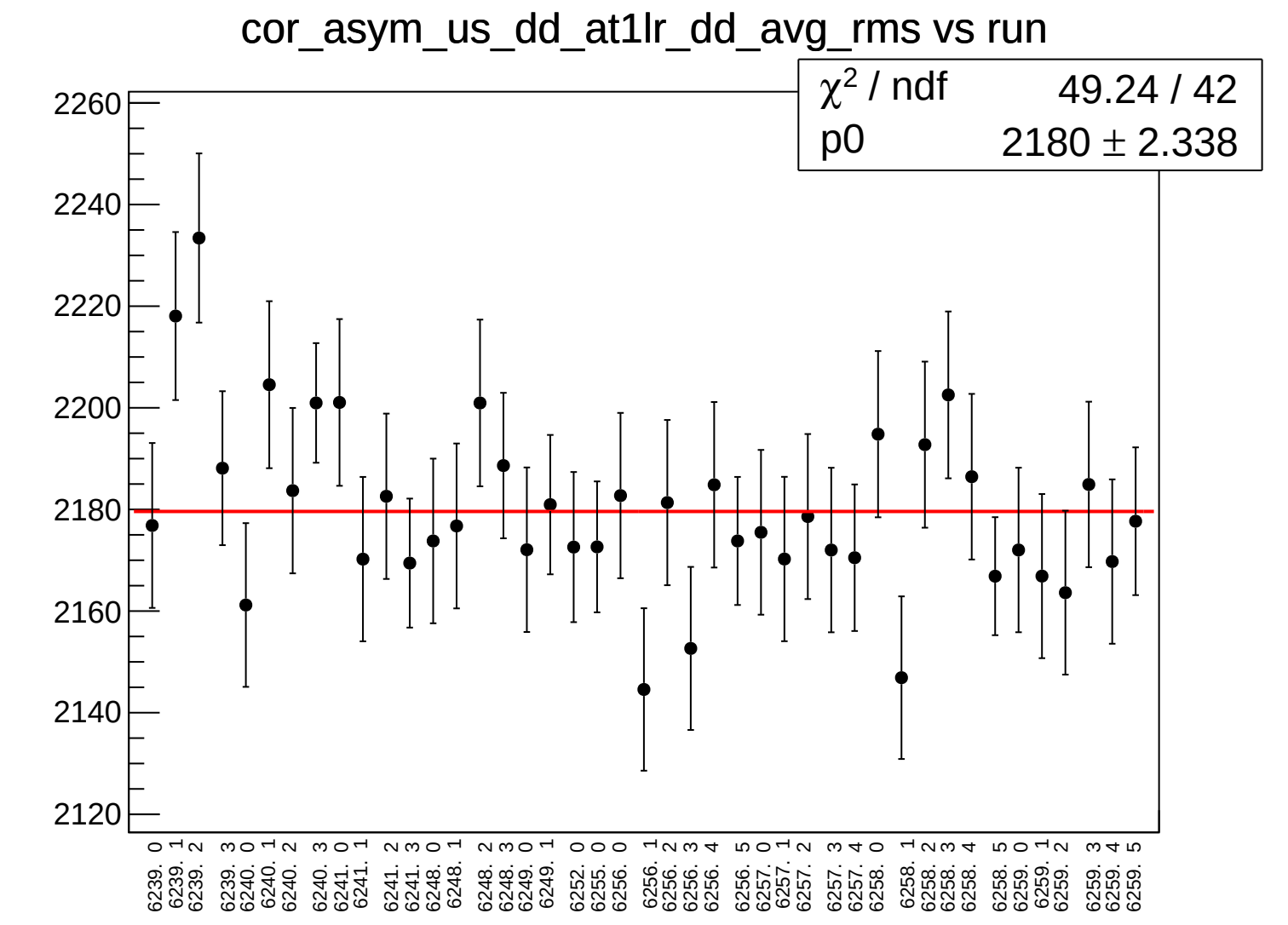

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 39.17 / 42
p0 −105.3 ± 359.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.68
Std Dev 0
3
2
1
0
−1
−2

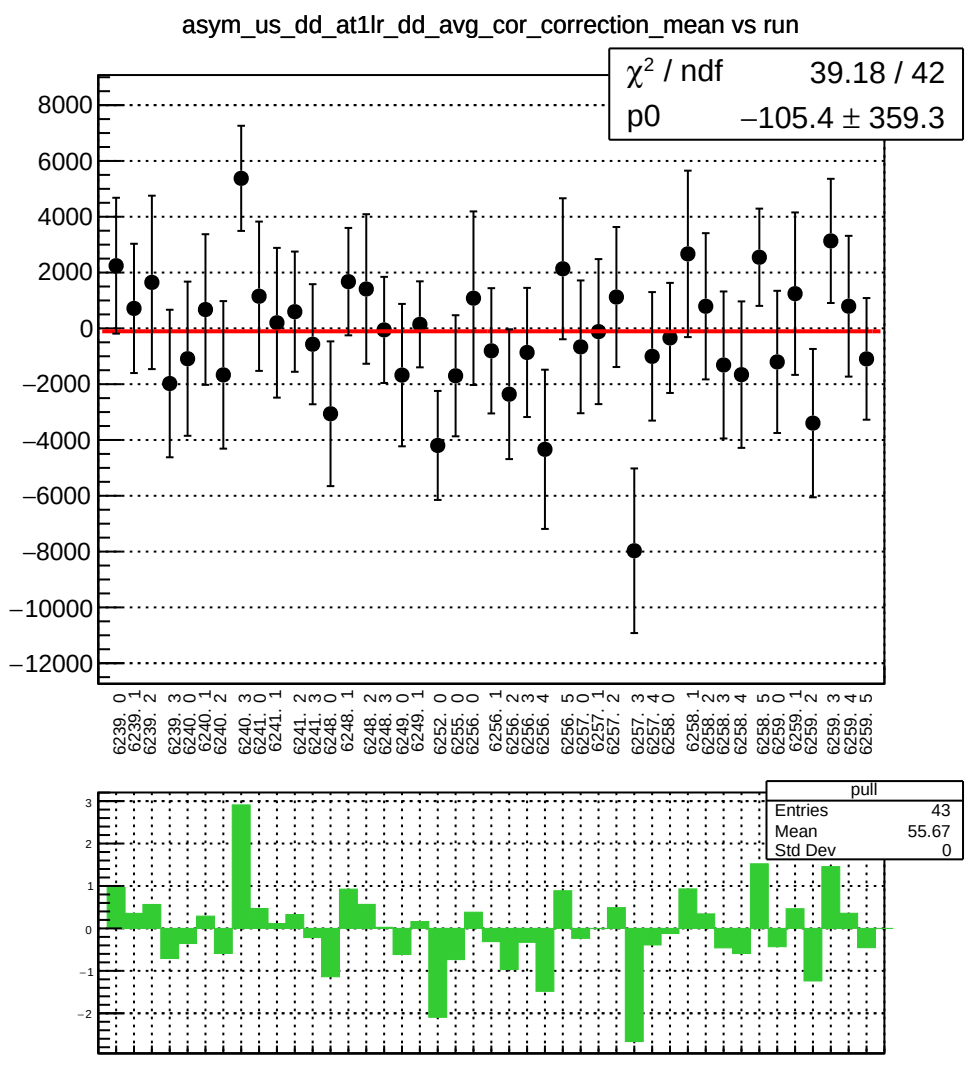

pull1D
Entries 43
Mean −0.03782
Std Dev 0.9537
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

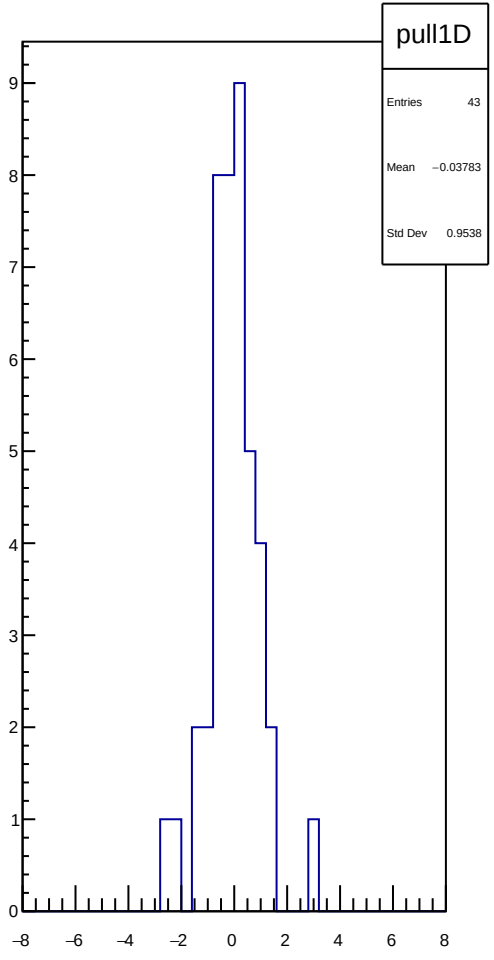

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.493e+04 / 42
p0 234.9 ± 0.2541
320
300
280
260
240
220
200
180
160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

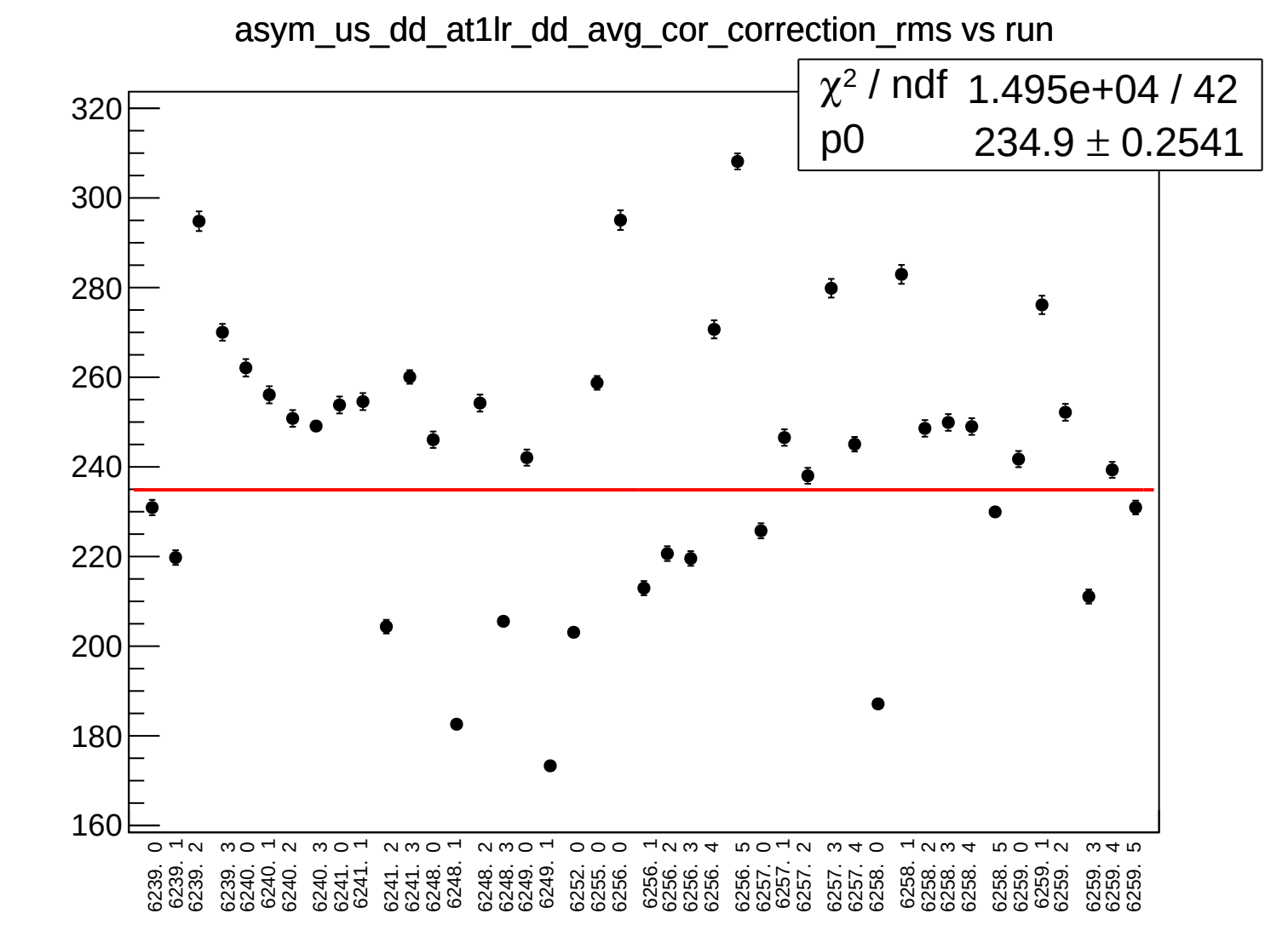

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 54.87 / 42
p0 −5465 ± 3306
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 175.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

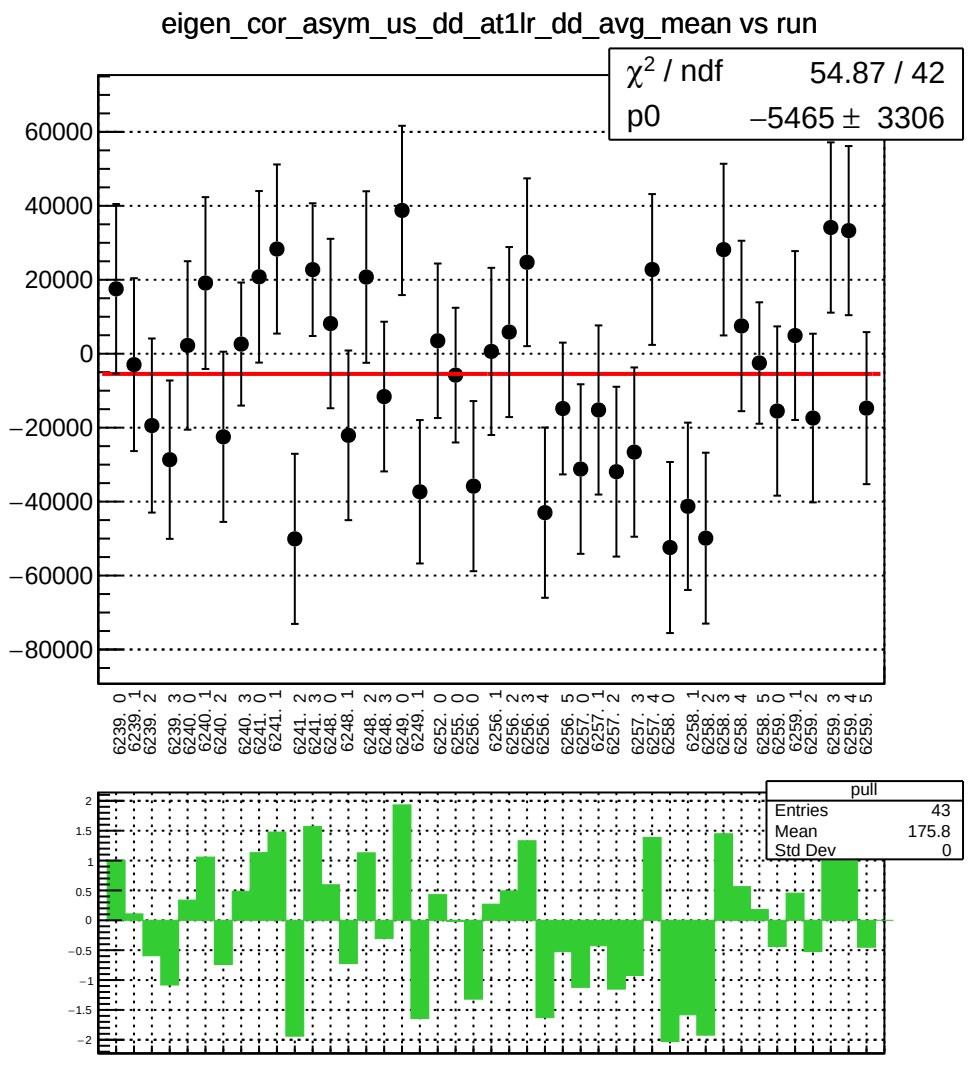

pull1D
Entries 43
Mean −0.006669
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

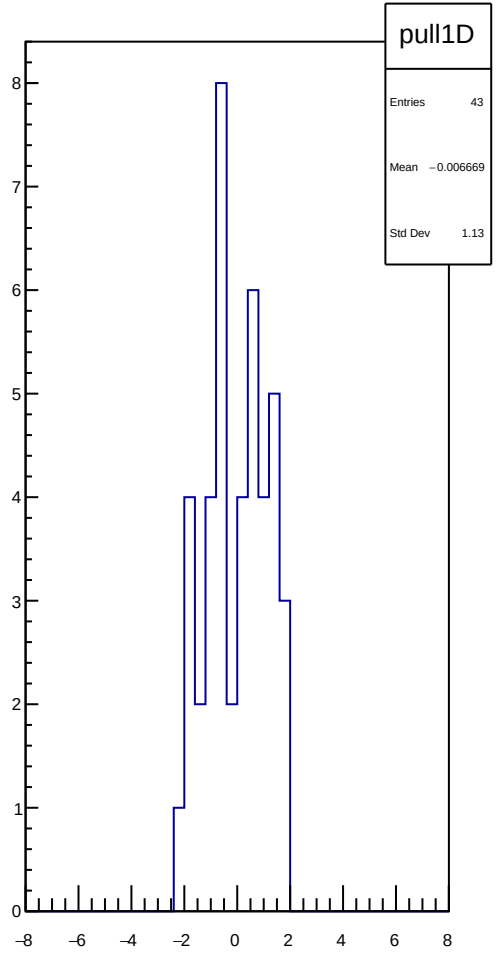

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 49.24 / 42
p0 2180 ± 2.338
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

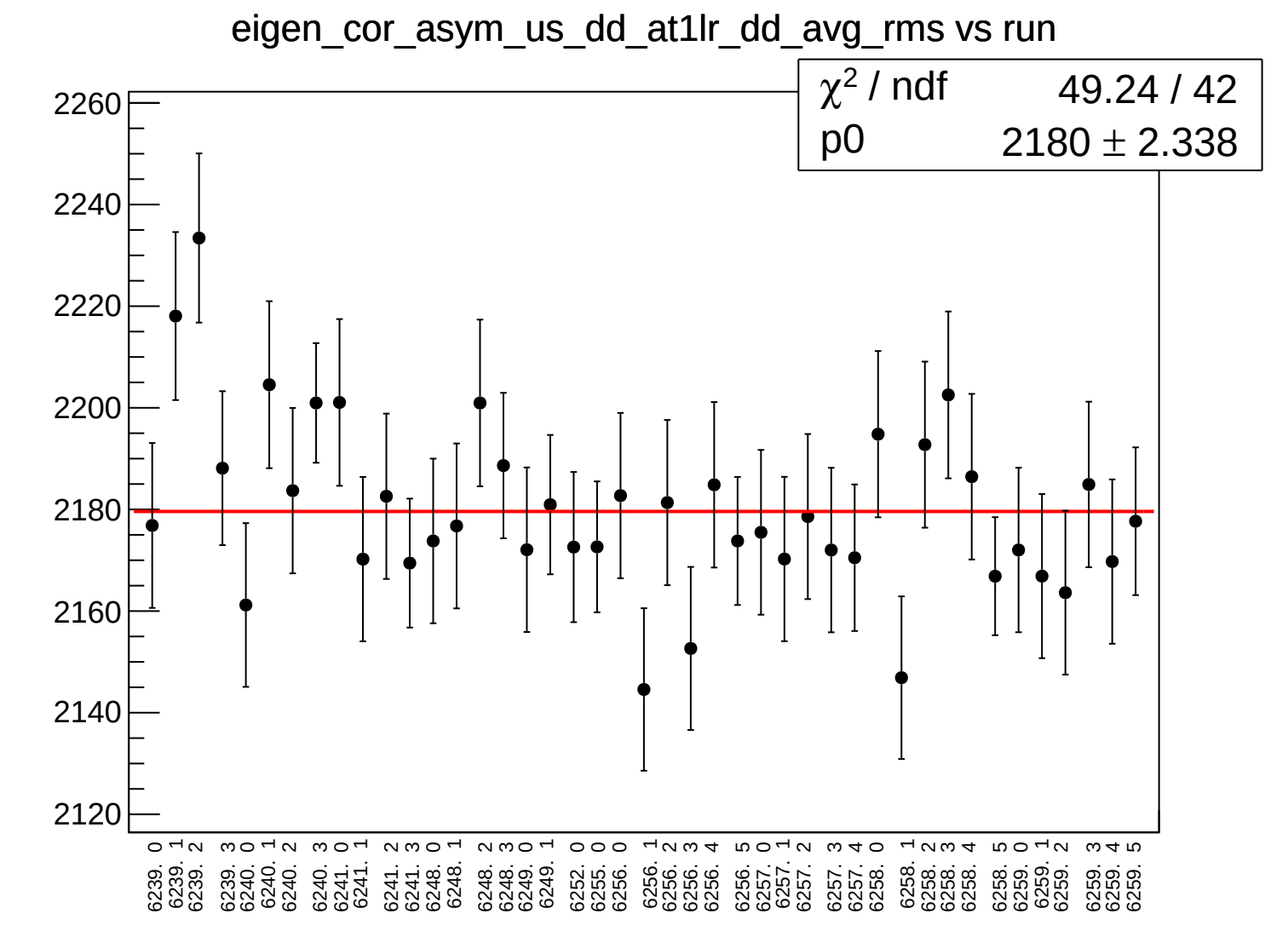

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 39.18 / 42
p0 −105.4 ± 359.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.67
Std Dev 0
3
2
1
0
−1
−2

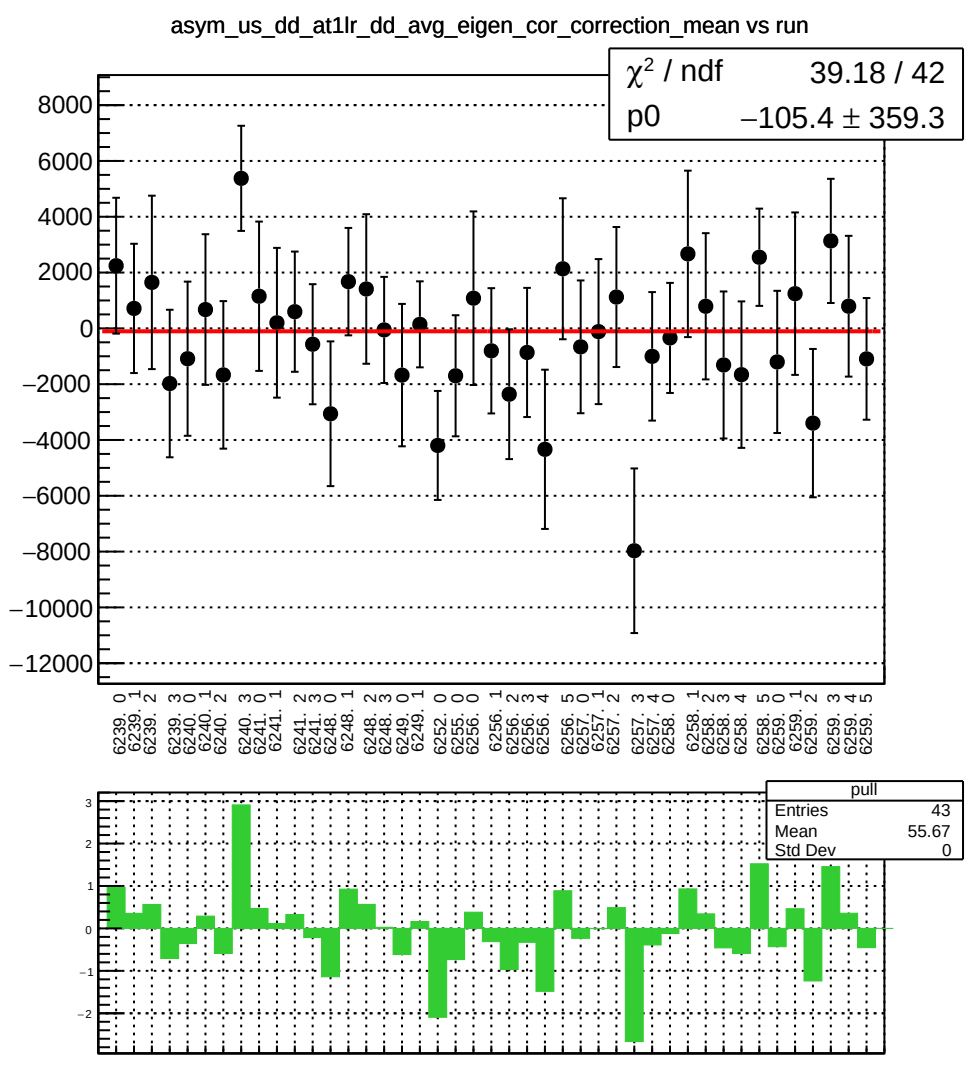

pull1D
Entries 43
Mean −0.03783
Std Dev 0.9538
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

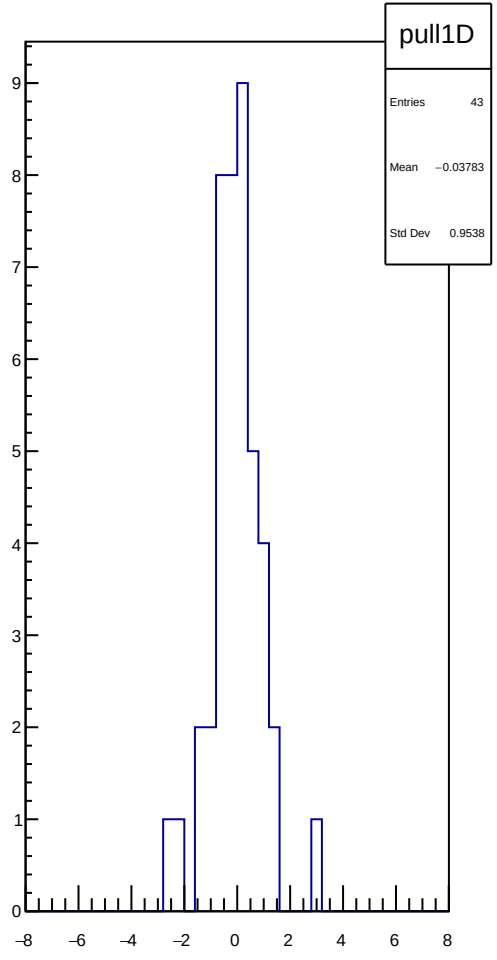

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.495e+04 / 42
p0 234.9 ± 0.2541
320
300
280
260
240
220
200
180
160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

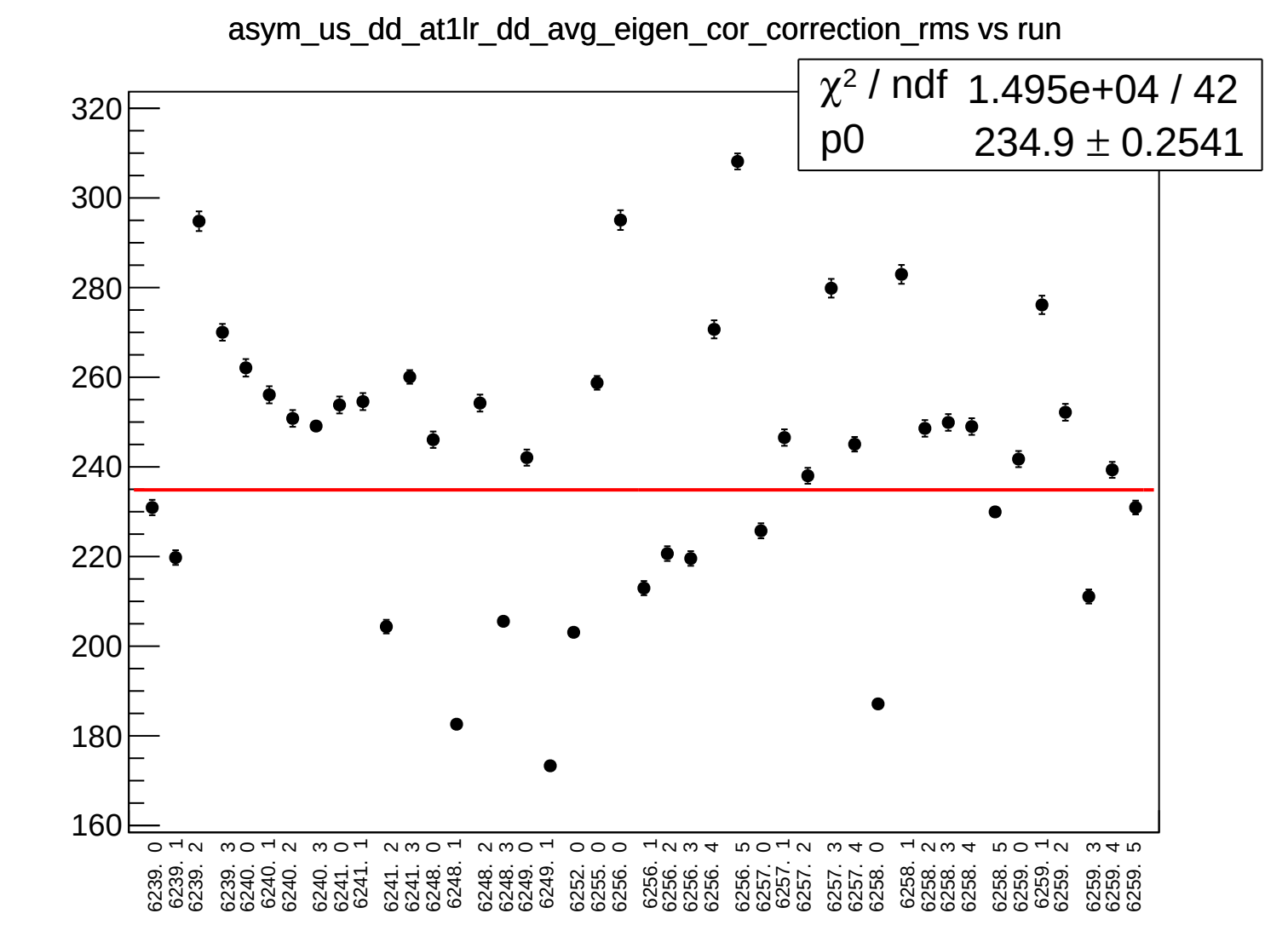

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 54.87 / 42
p0 −5465 ± 3306
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 175.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

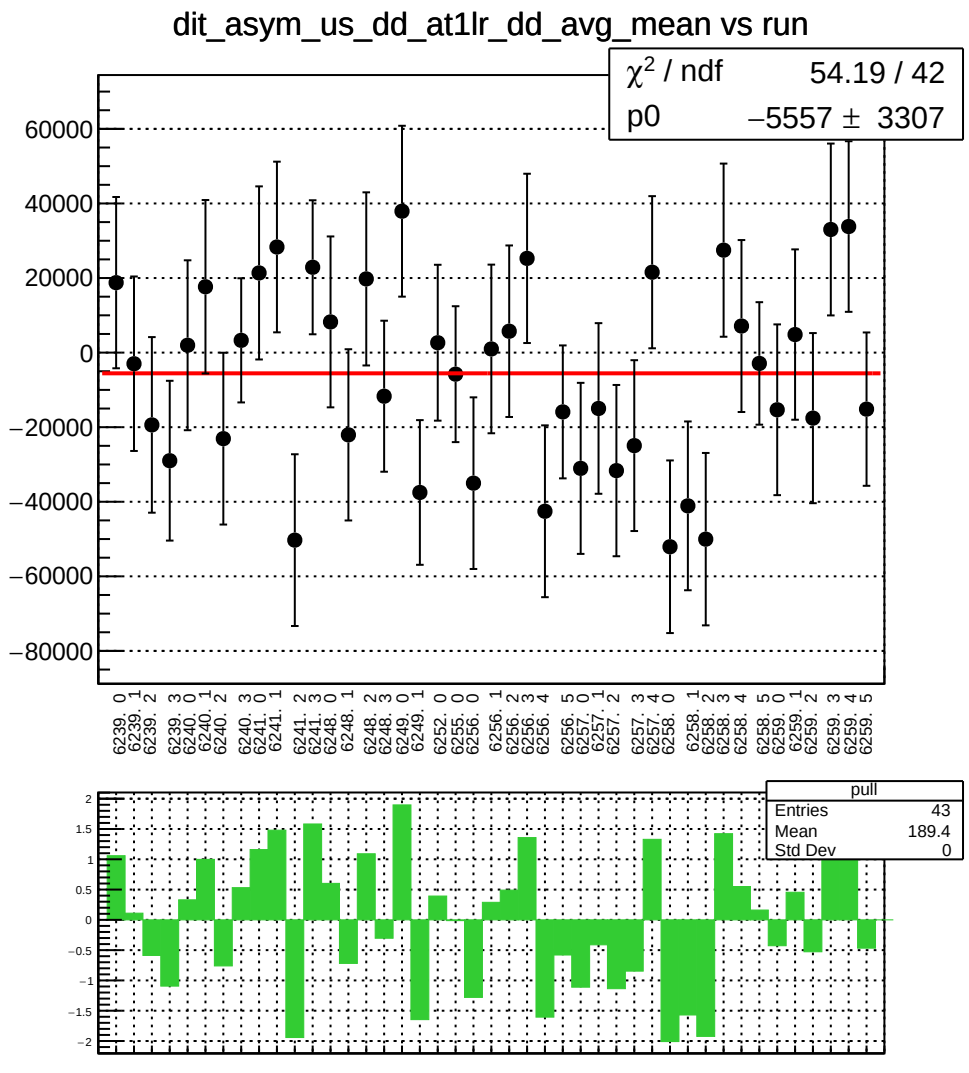

pull1D
Entries 43
Mean −0.006669
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

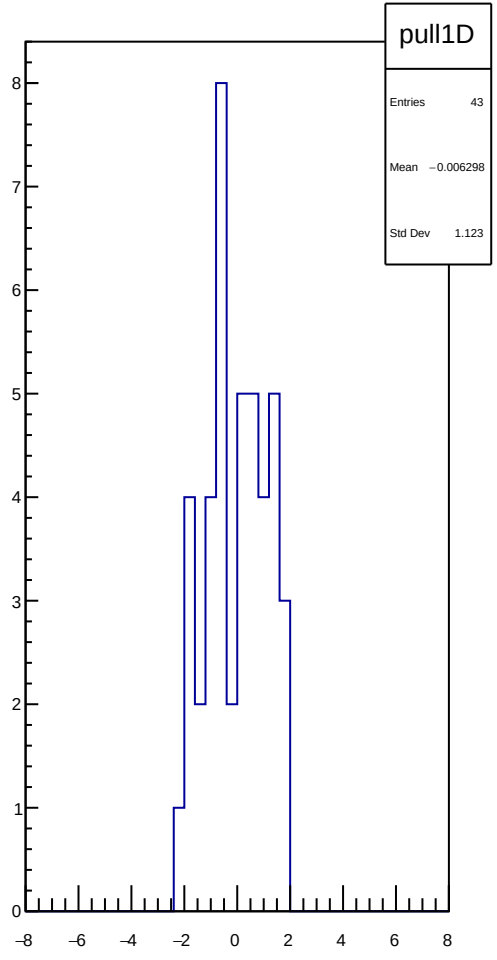

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 49.24 / 42
p0 2180 ± 2.338
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

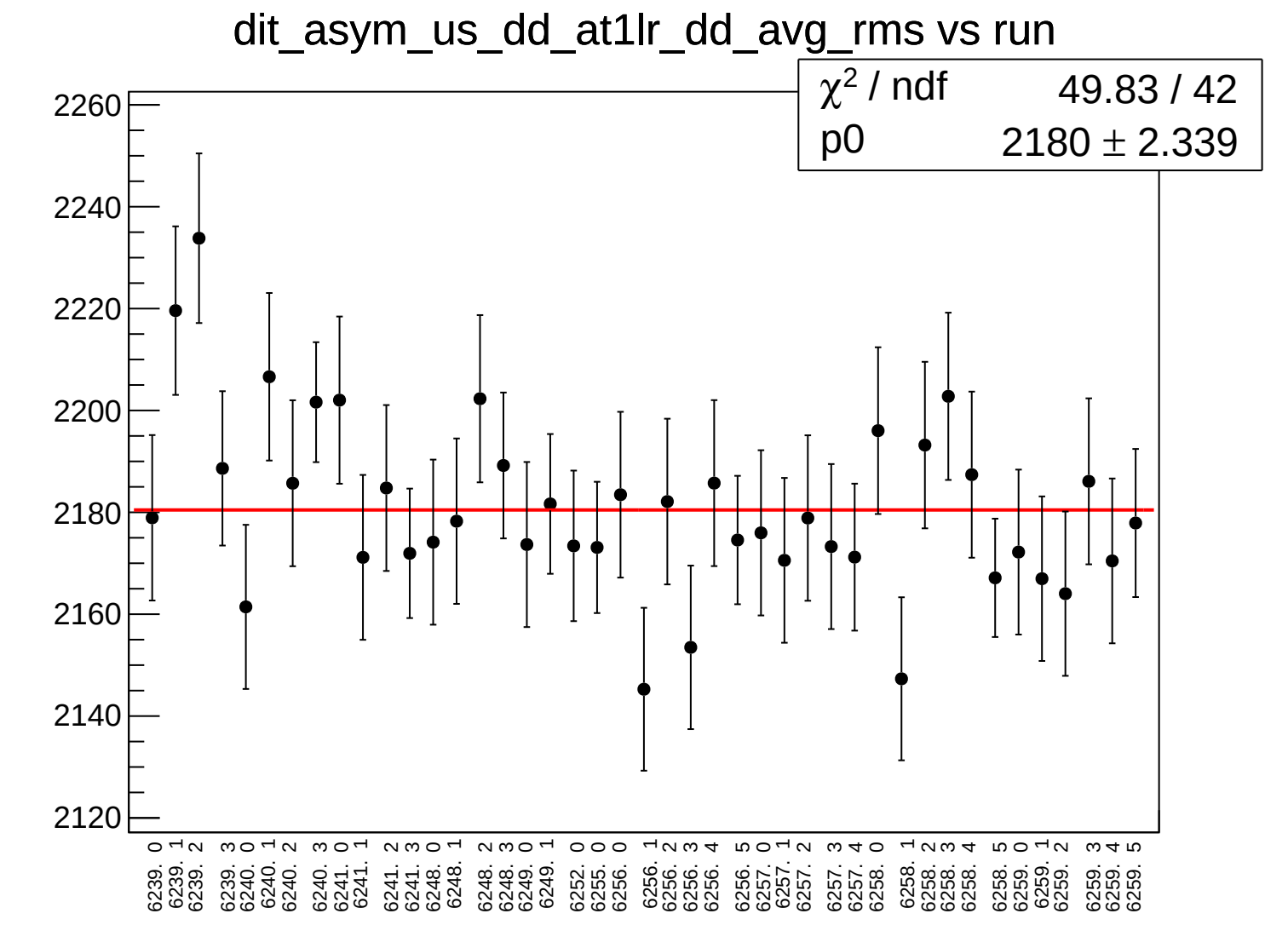

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 39.18 / 42
p0 −105.4 ± 359.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.67
Std Dev 0
3
2
1
0
−1
−2

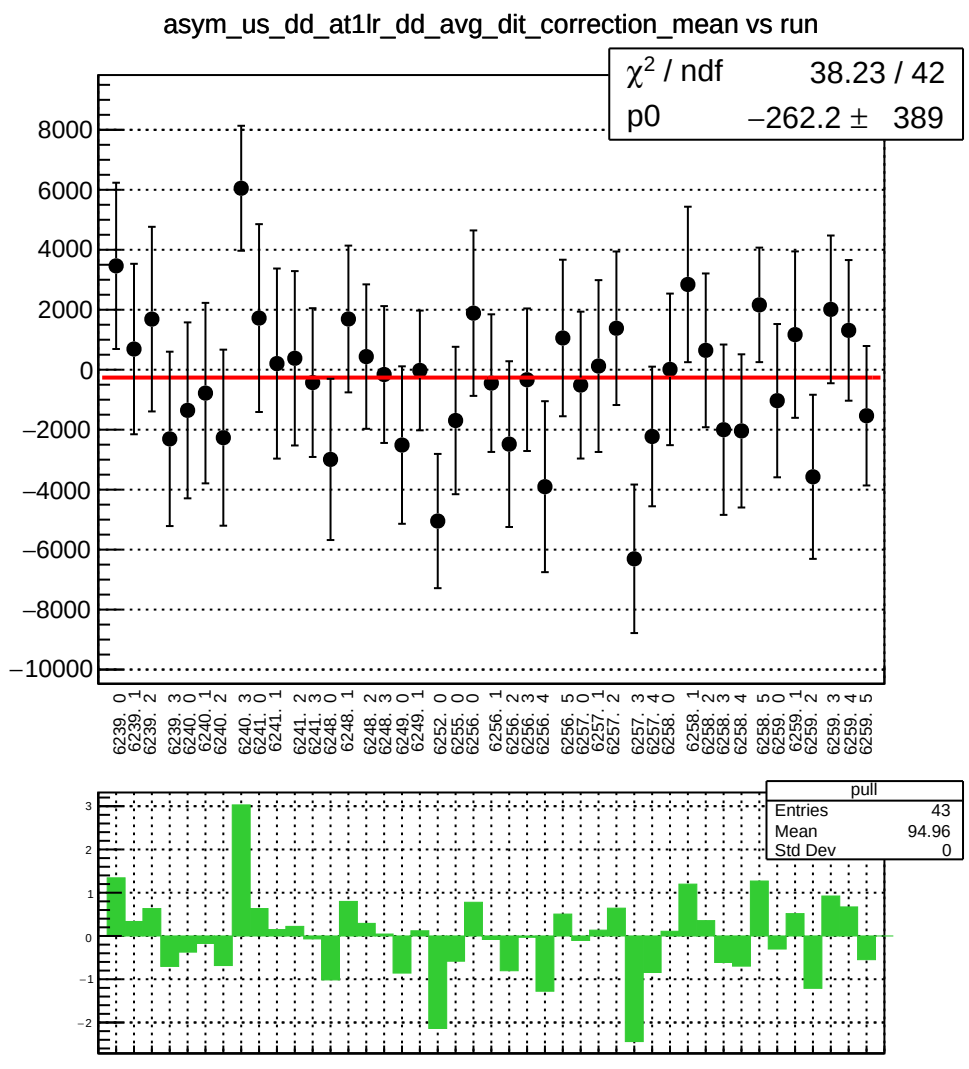

pull1D
Entries 43
Mean −0.03783
Std Dev 0.9538
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

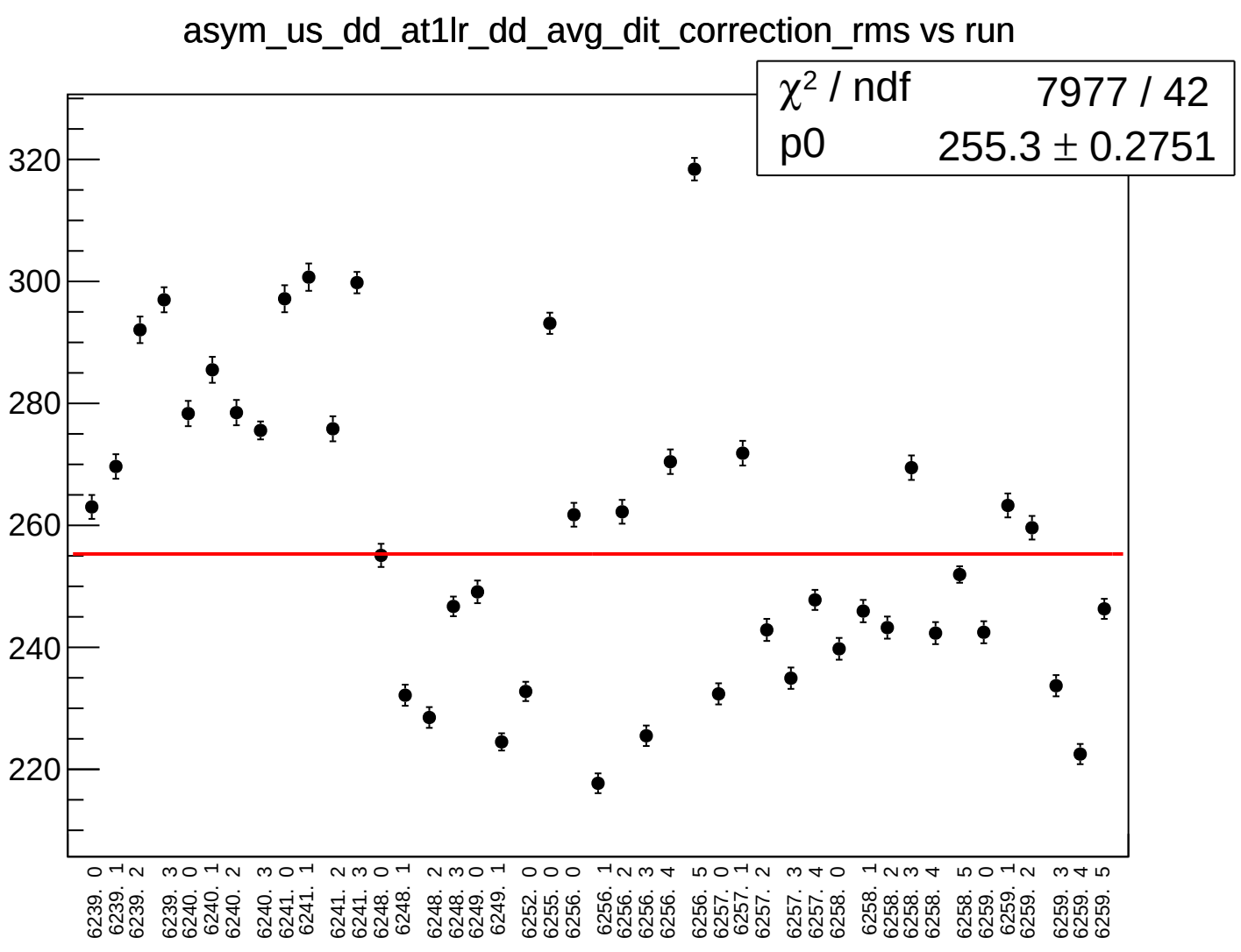

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.495e+04 / 42
p0 234.9 ± 0.2541
320
300
280
260
240
220
200
180
160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

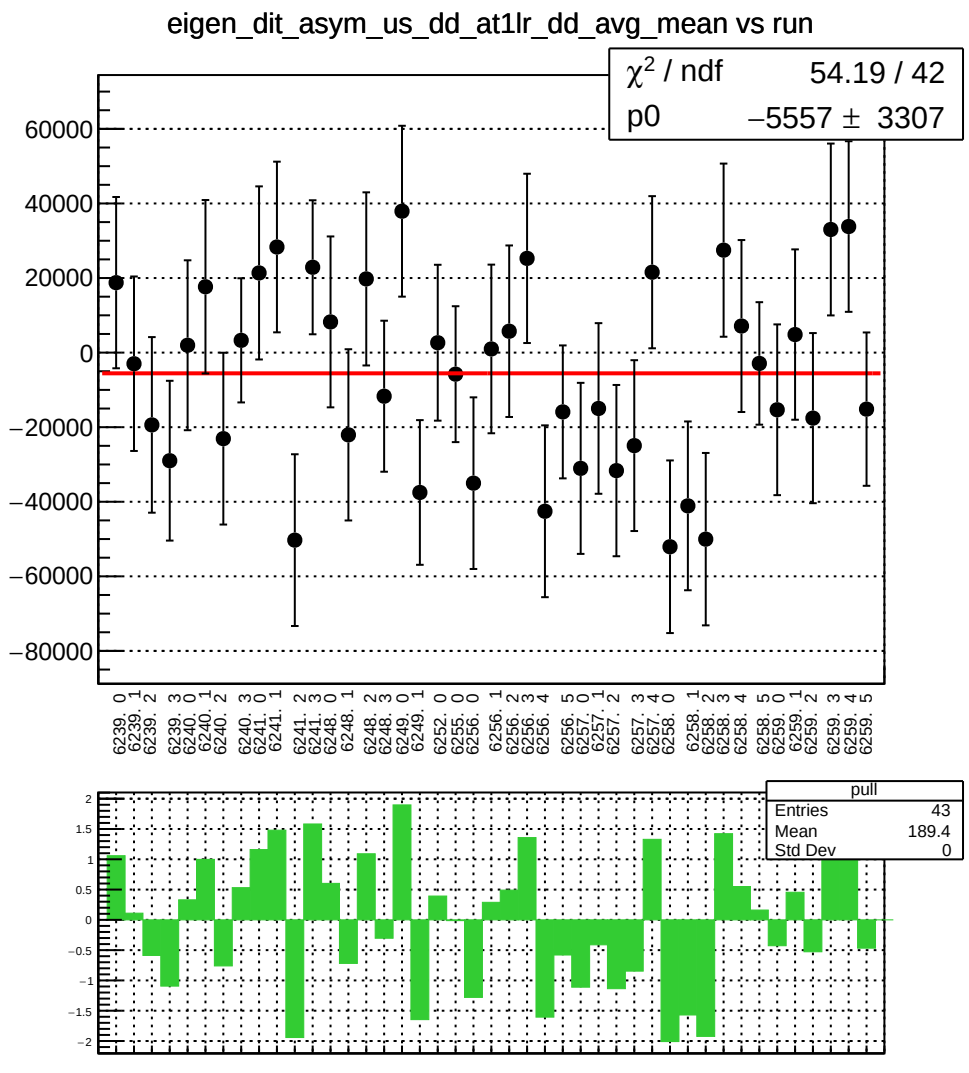

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 54.19 / 42
p0 −5557 ± 3307
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 189.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

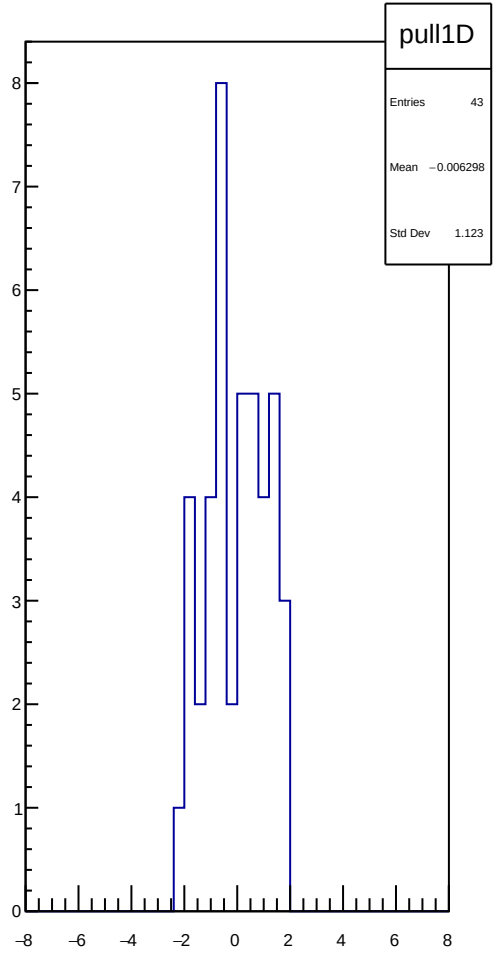

pull1D
Entries 43
Mean −0.006298
Std Dev 1.123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

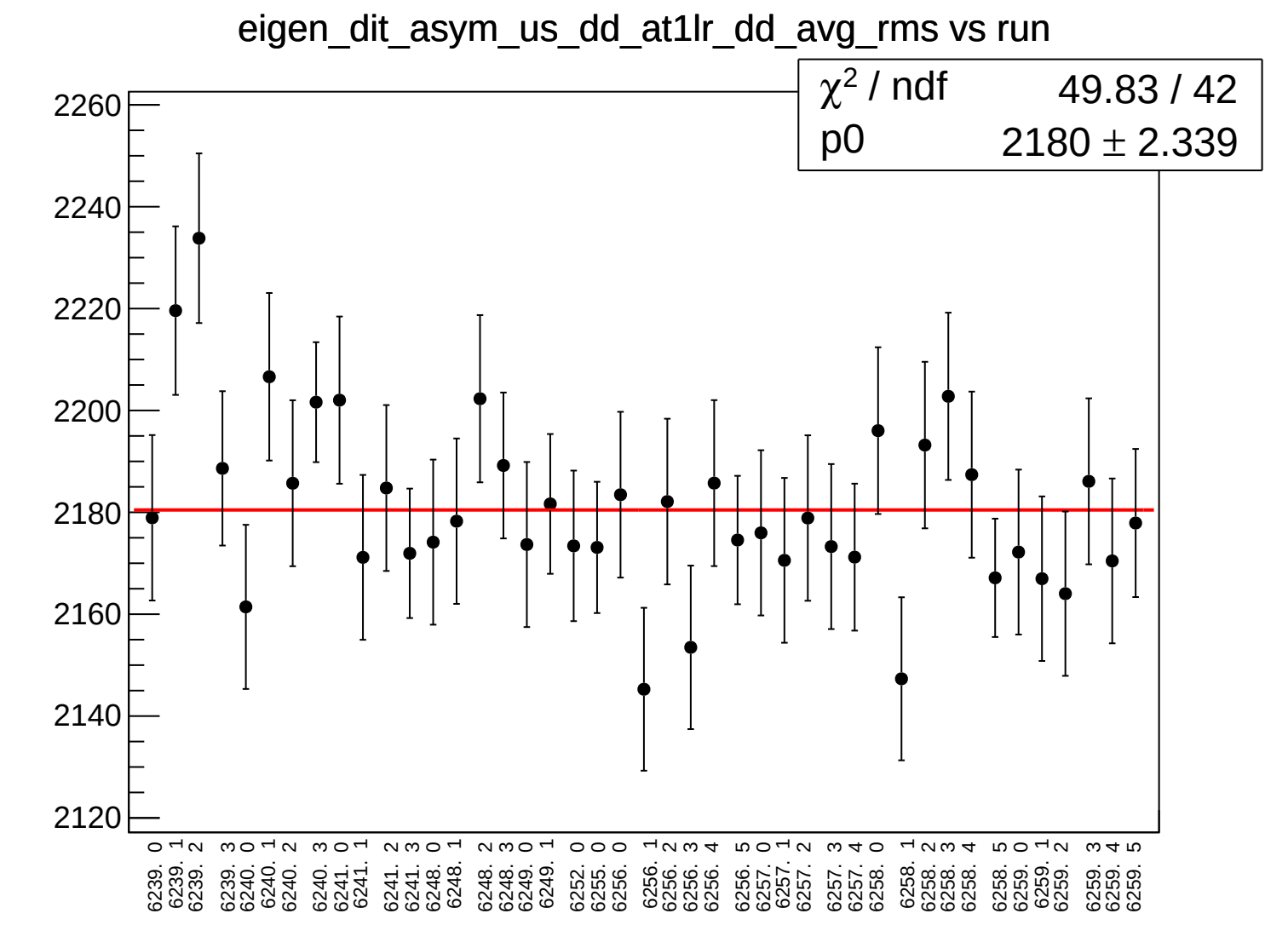

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 49.83 / 42
p0 2180 ± 2.339
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

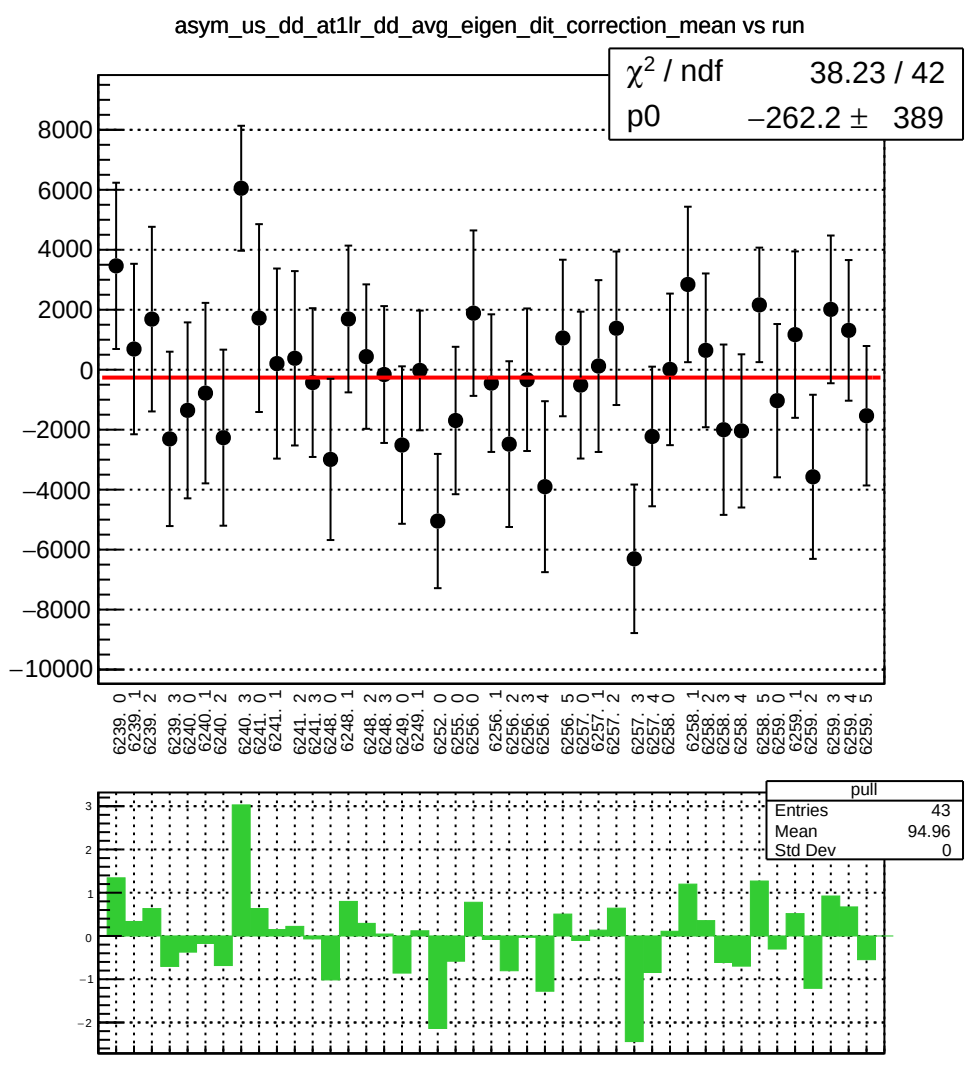

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 38.23 / 42
p0 −262.2 ± 389
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.96
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01949
Std Dev 0.9427
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

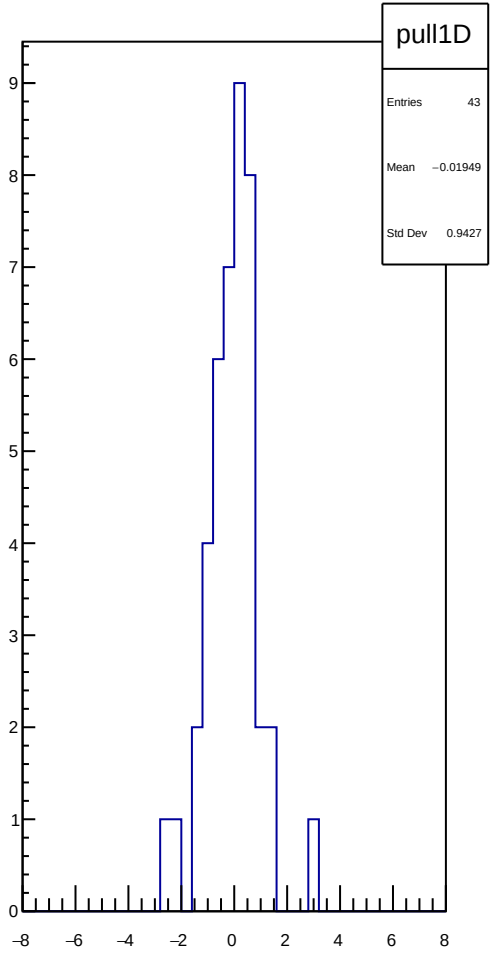

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 7977 / 42
p0 255.3 ± 0.2751
320
300
280
260
240
220
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

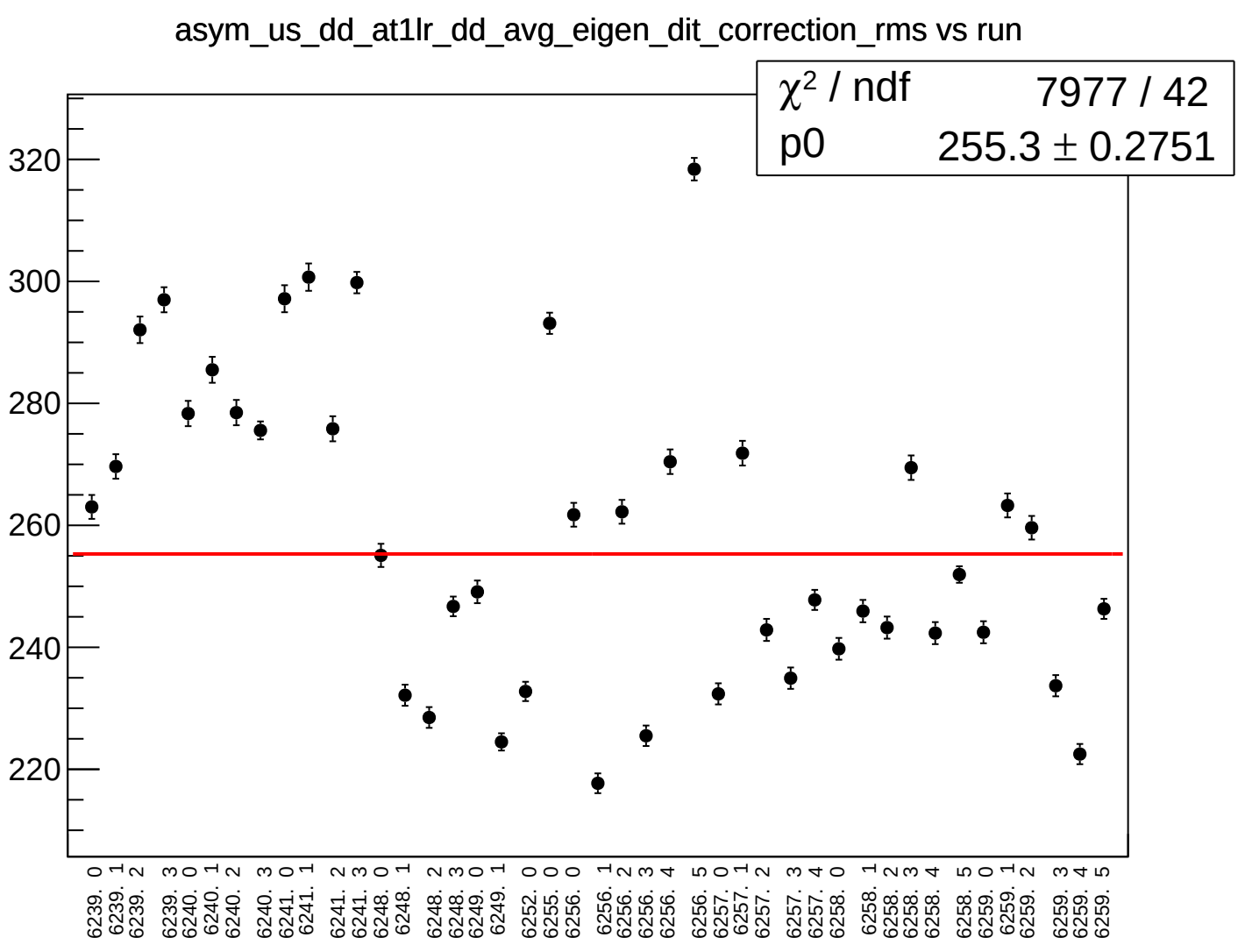

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 54.19 / 42
p0 −5557 ± 3307
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 189.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

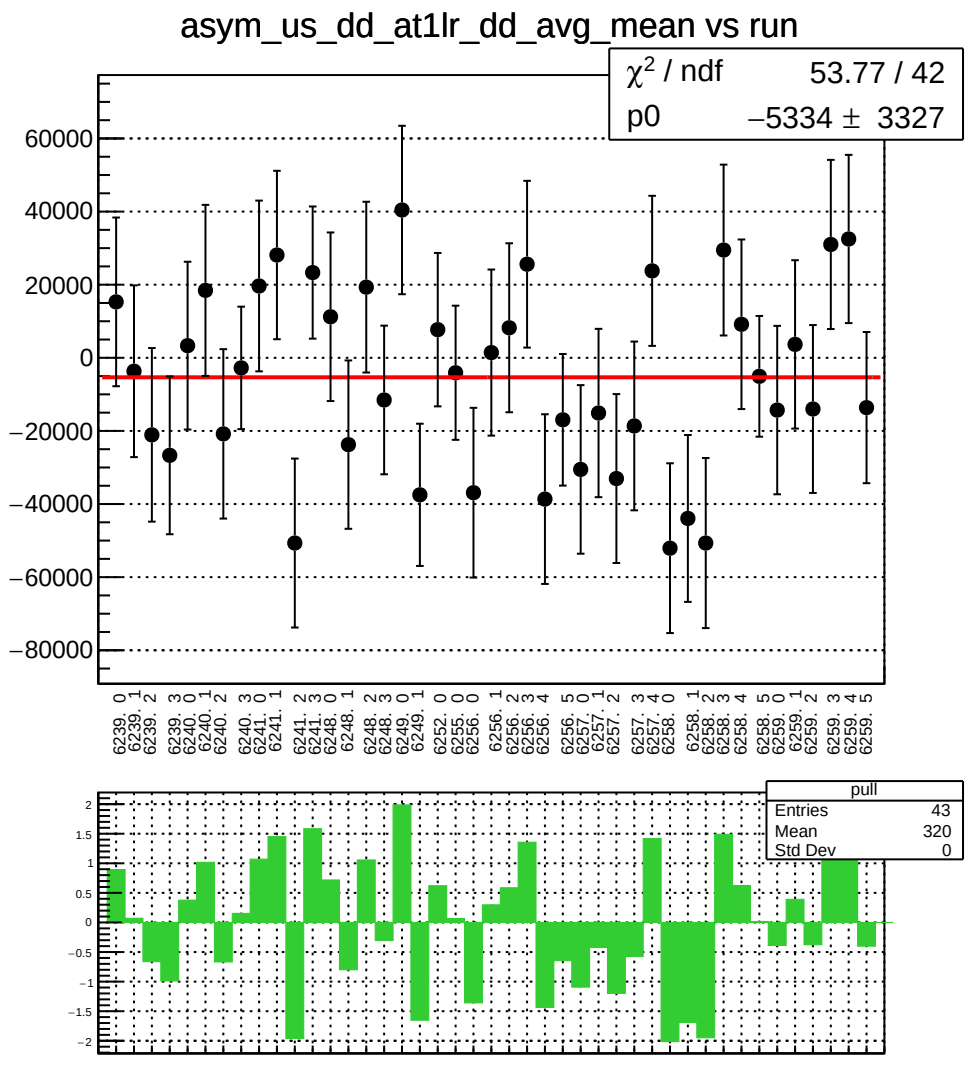

pull1D
Entries 43
Mean −0.006298
Std Dev 1.123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

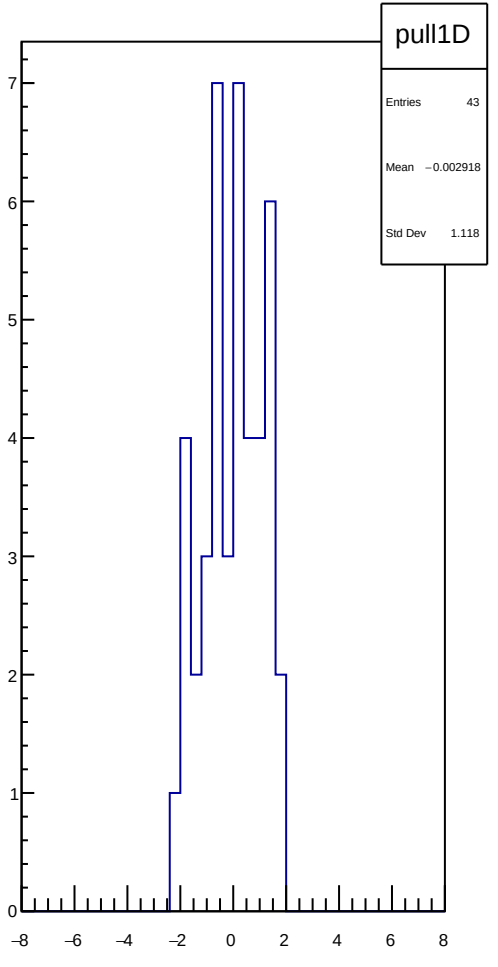

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 49.83 / 42
p0 2180 ± 2.339
2260
2240
2220
2200
2180
2160
2140
2120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

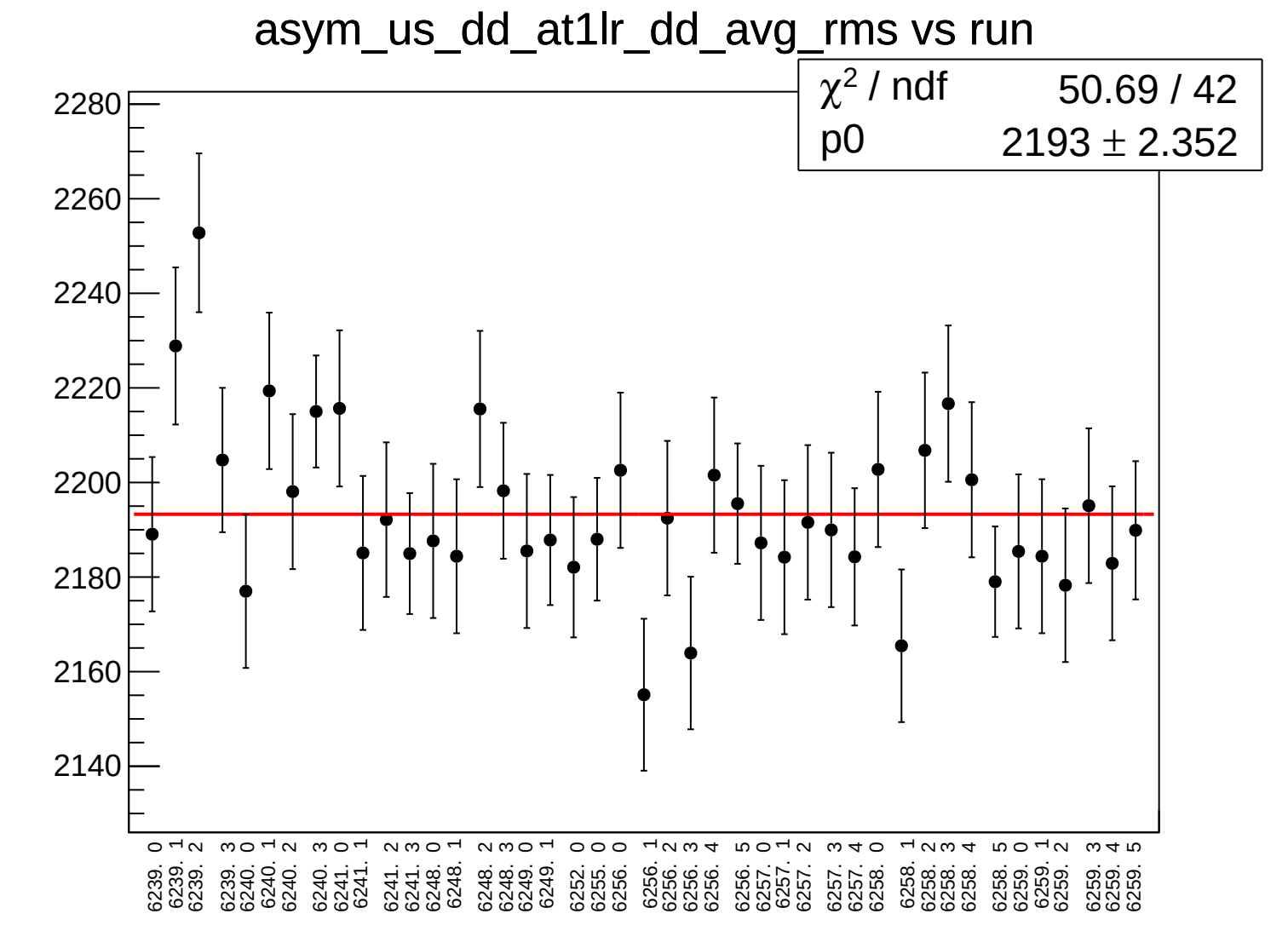

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 38.23 / 42
p0 −262.2 ± 389
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.96
Std Dev 0
3
2
1
0
−1
−2

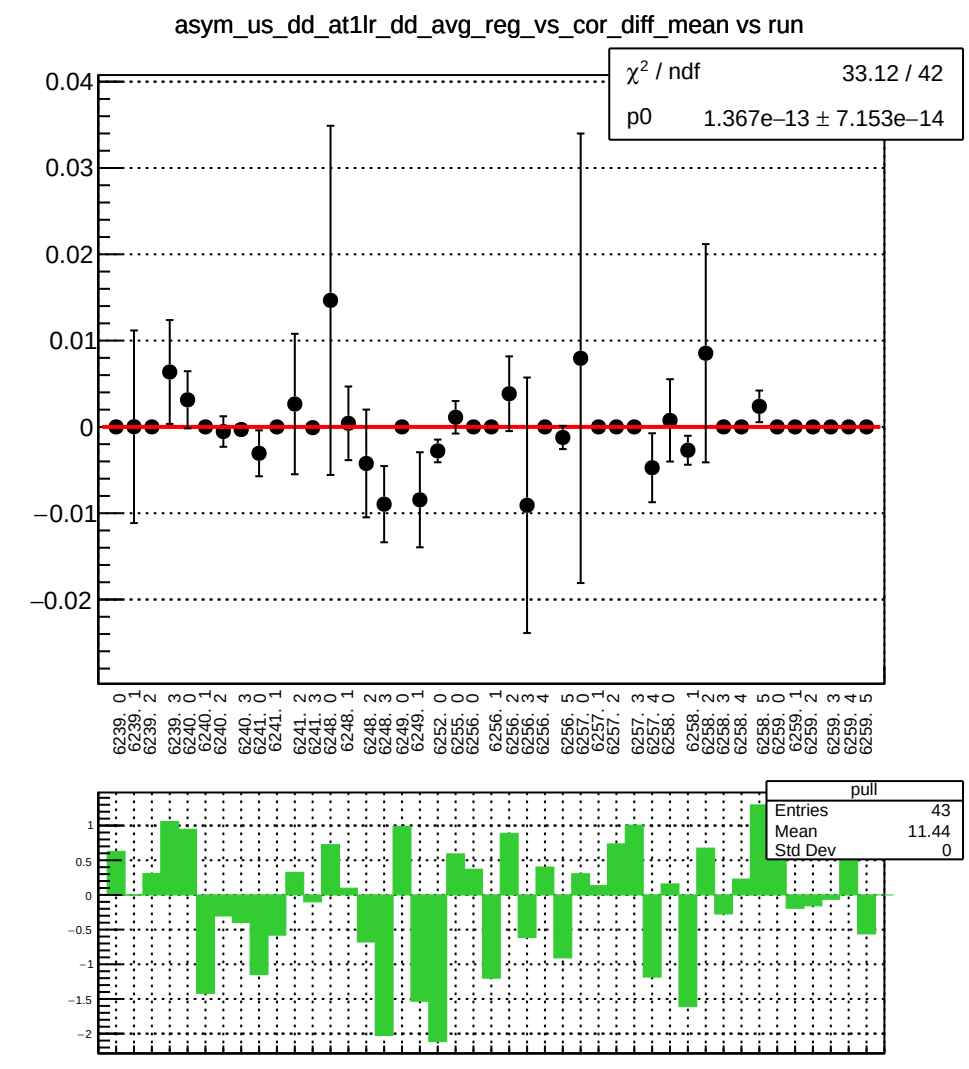

pull1D
Entries 43
Mean −0.01949
Std Dev 0.9427
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

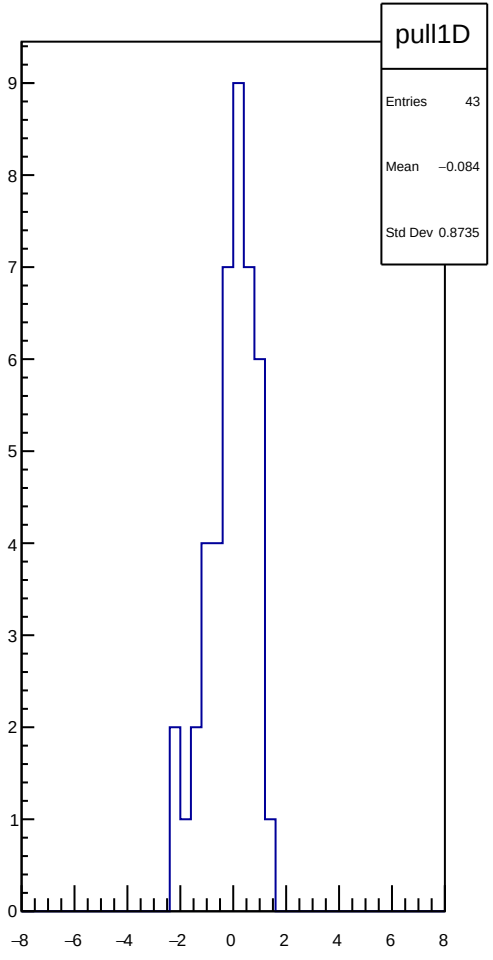

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7977 / 42
p0 255.3 ± 0.2751
320
300
280
260
240
220
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

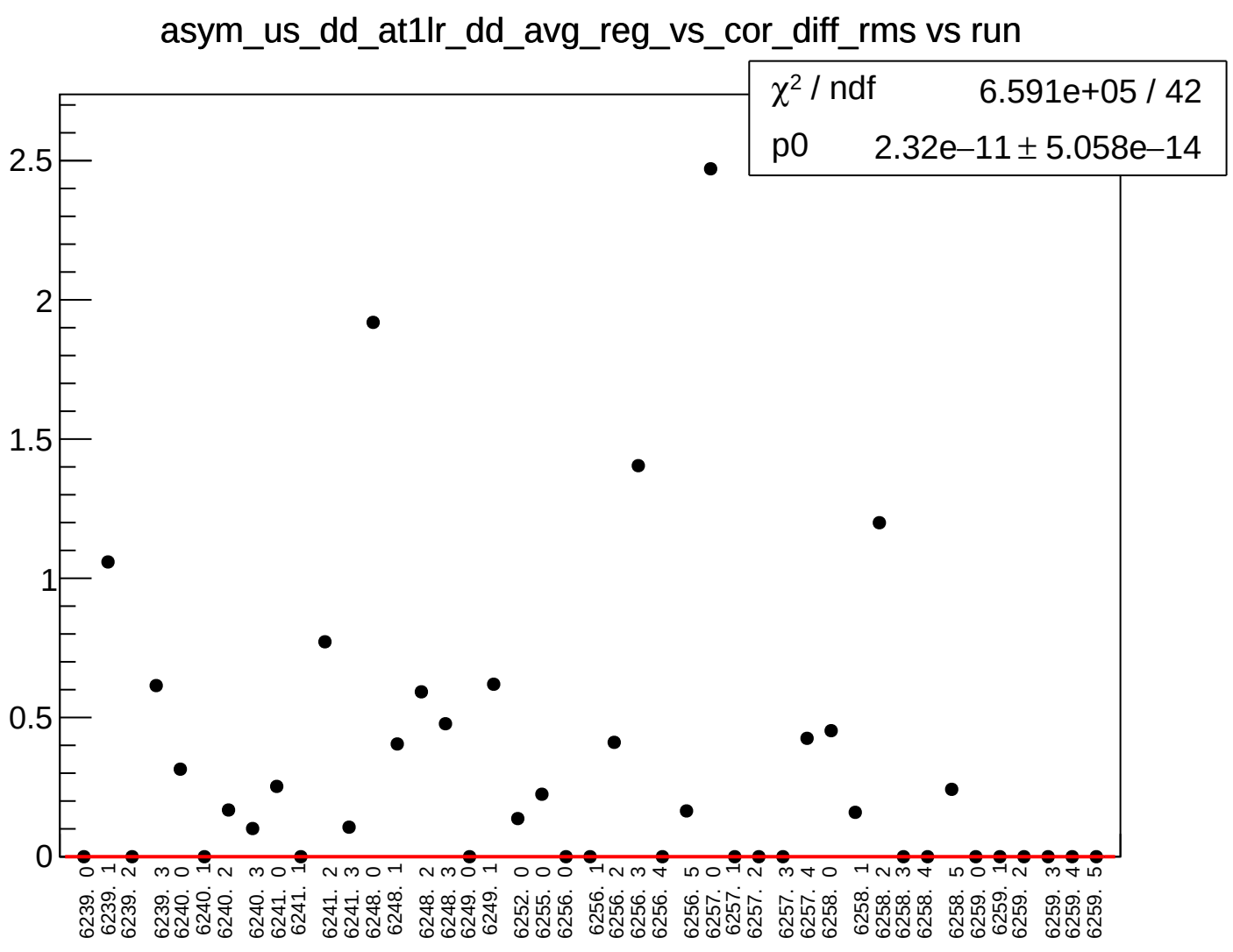

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 53.77 / 42
p0 −5334 ± 3327
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 320
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.002918
Std Dev 1.118
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

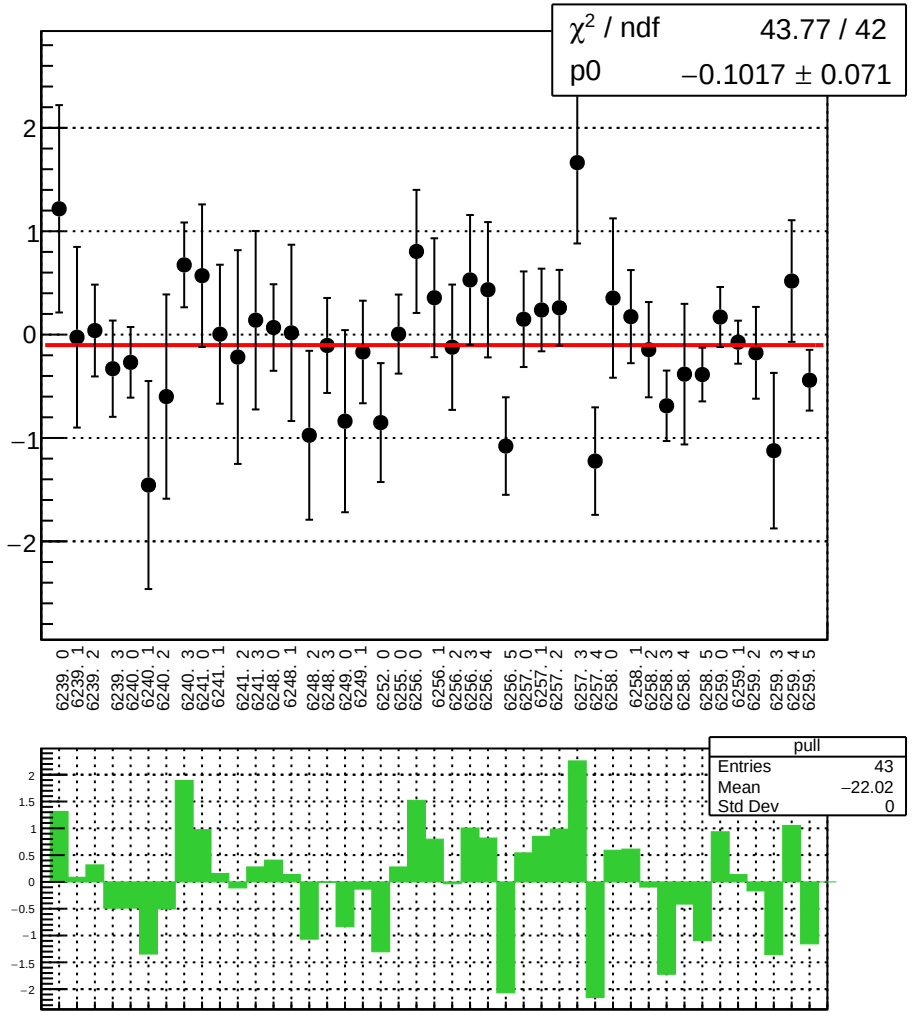

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 50.69 / 42
p0 2193 ± 2.352
2280
2260
2240
2220
2200
2180
2160
2140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

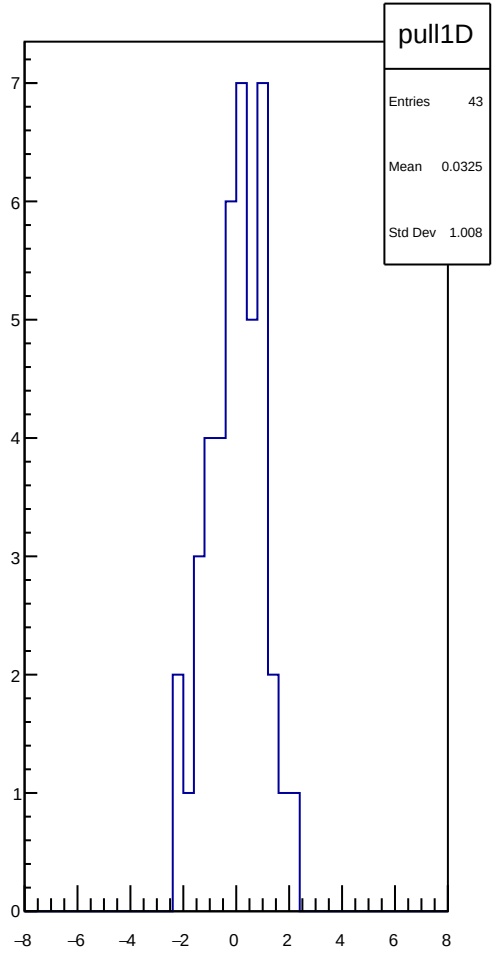

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.12 / 42
p0 1.367e−13 ± 7.153e−14
0.04
0.03
0.02
0.01
0
−0.01
−0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.44
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

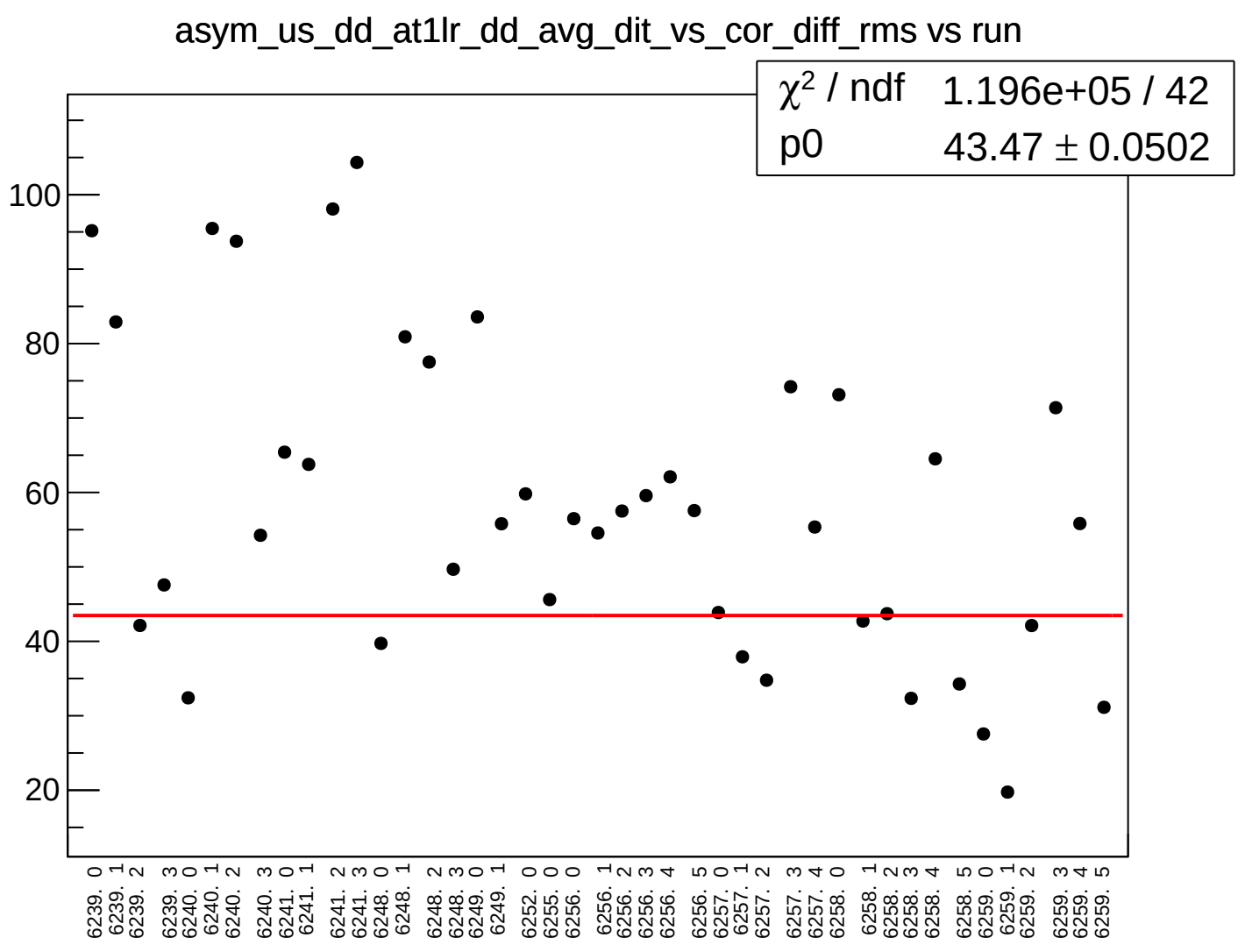

pull1D
Entries 43
Mean −0.084
Std Dev 0.8735
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.591e+05 / 42
p0 2.32e−11 ± 5.058e−14
2.5
2
1.5
1
0.5
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

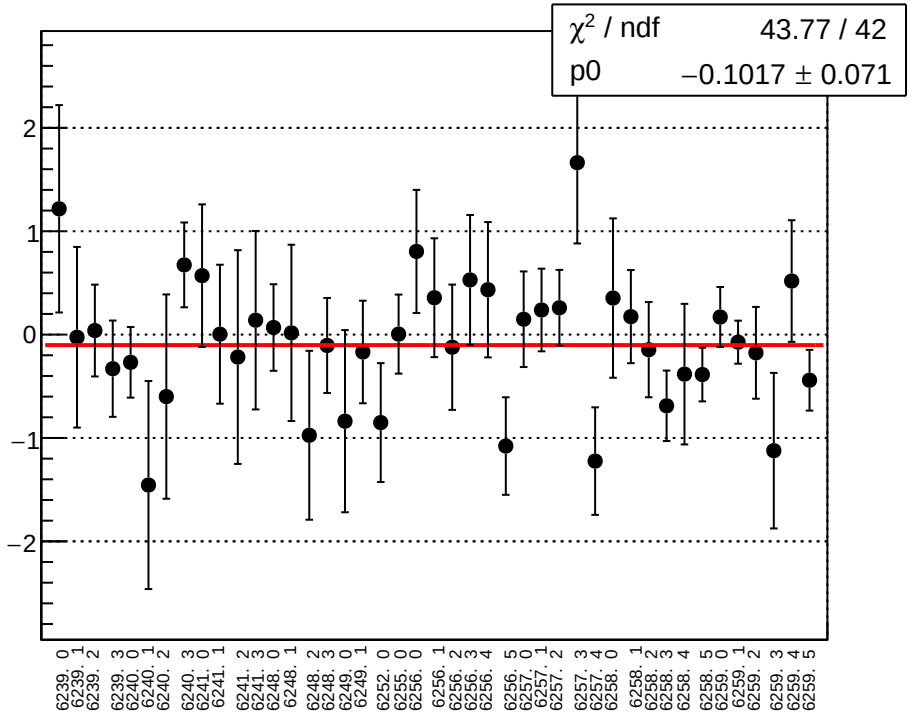
asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run

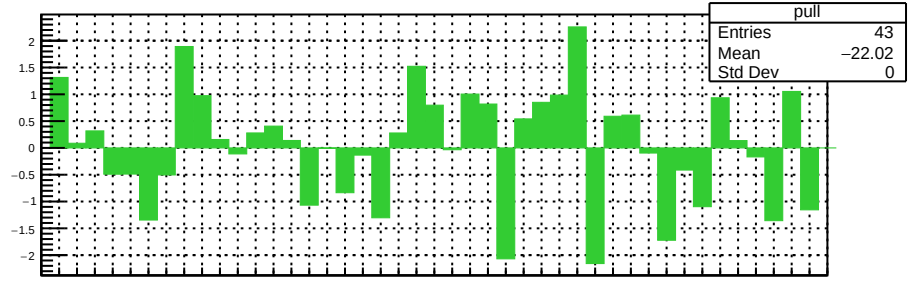


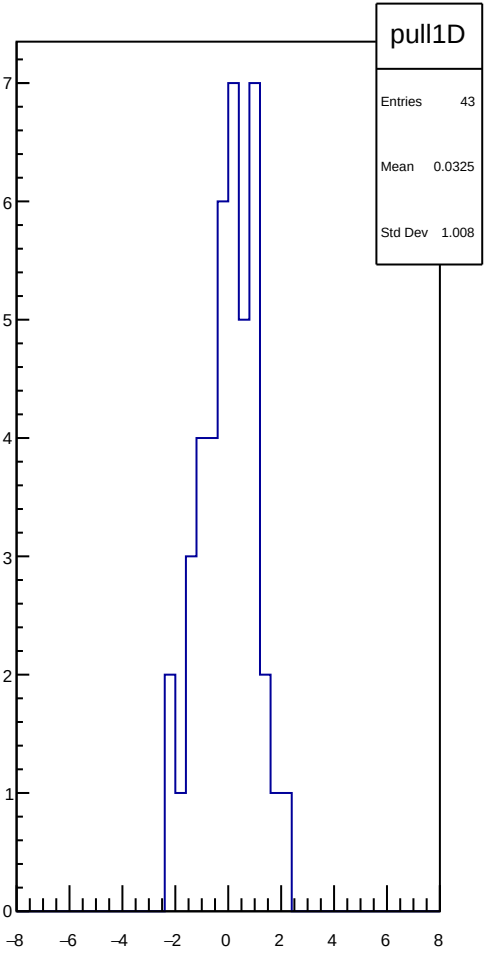



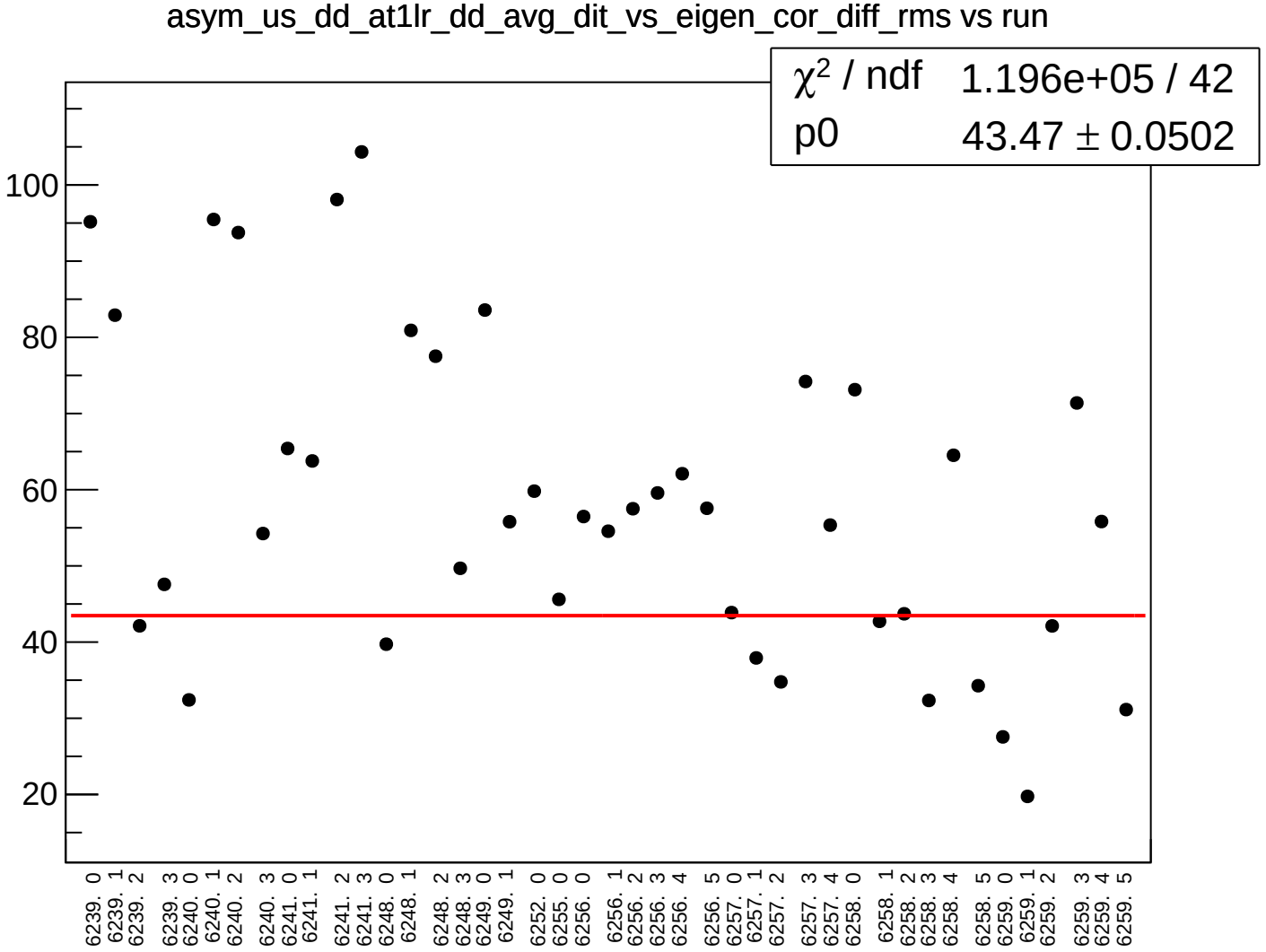

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 1.196e+05 / 42
p0 43.47 ± 0.0502
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

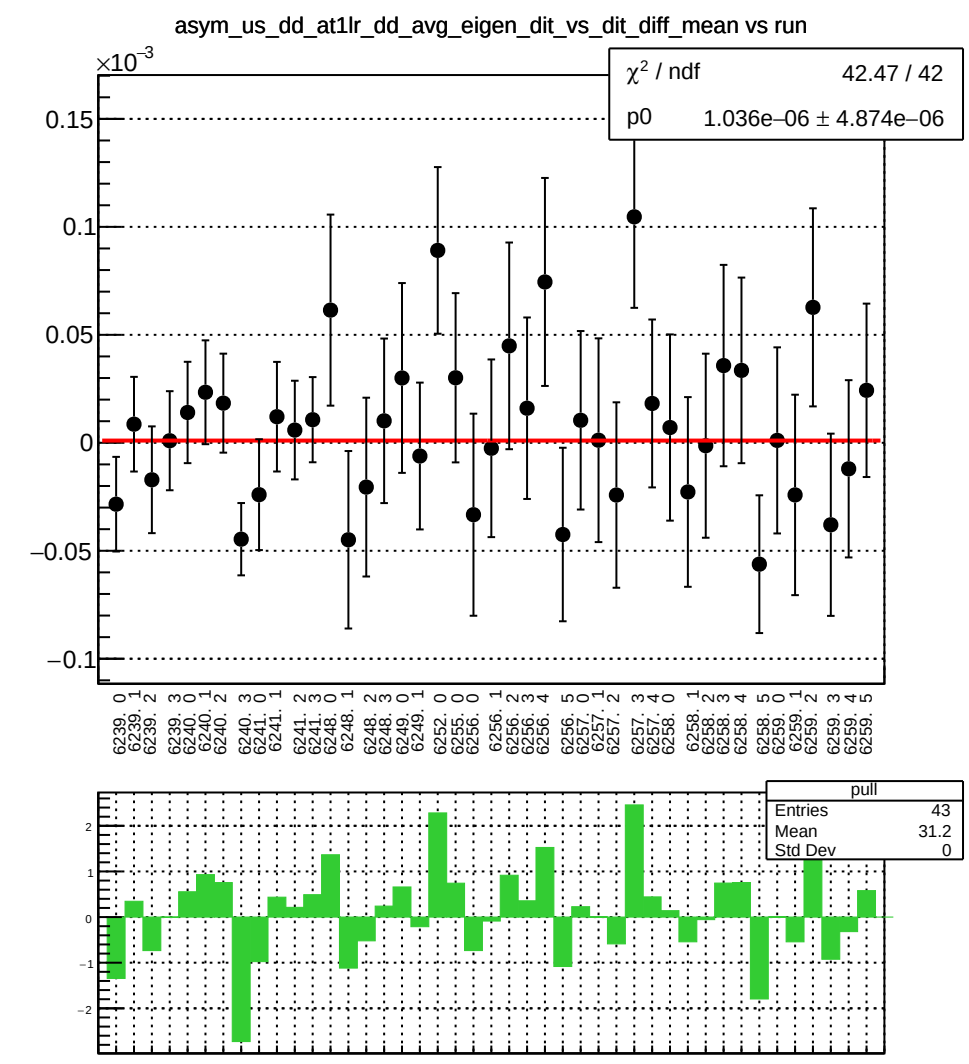
asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run

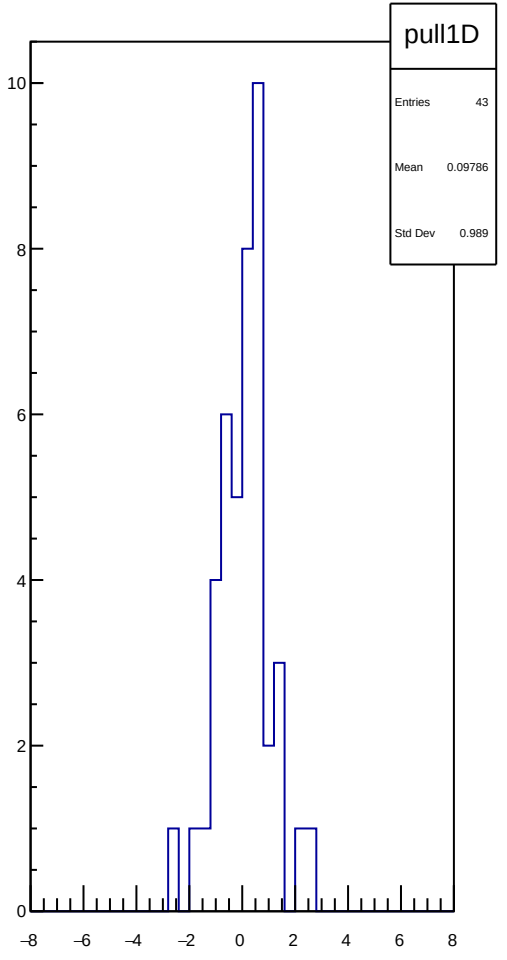


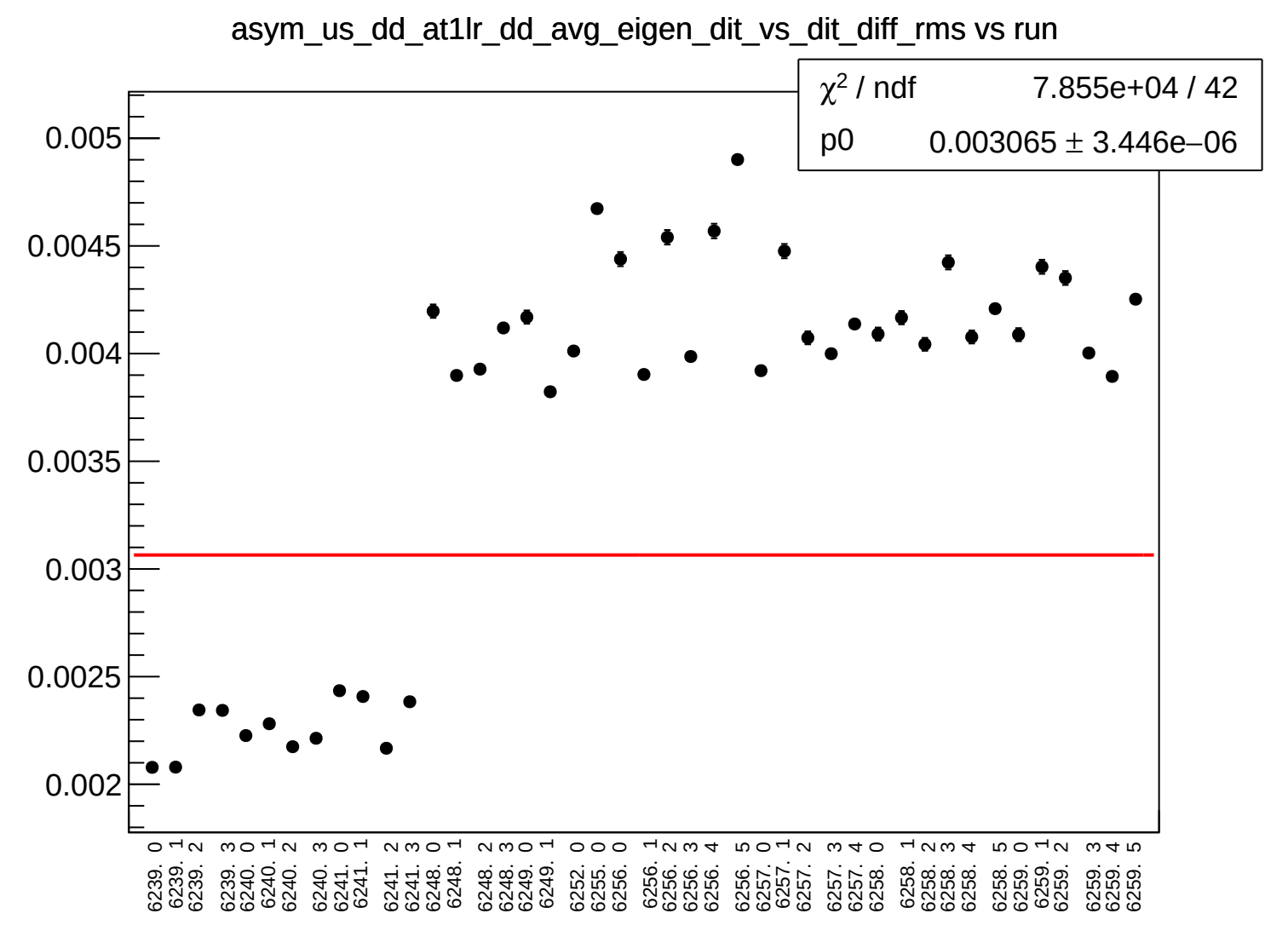



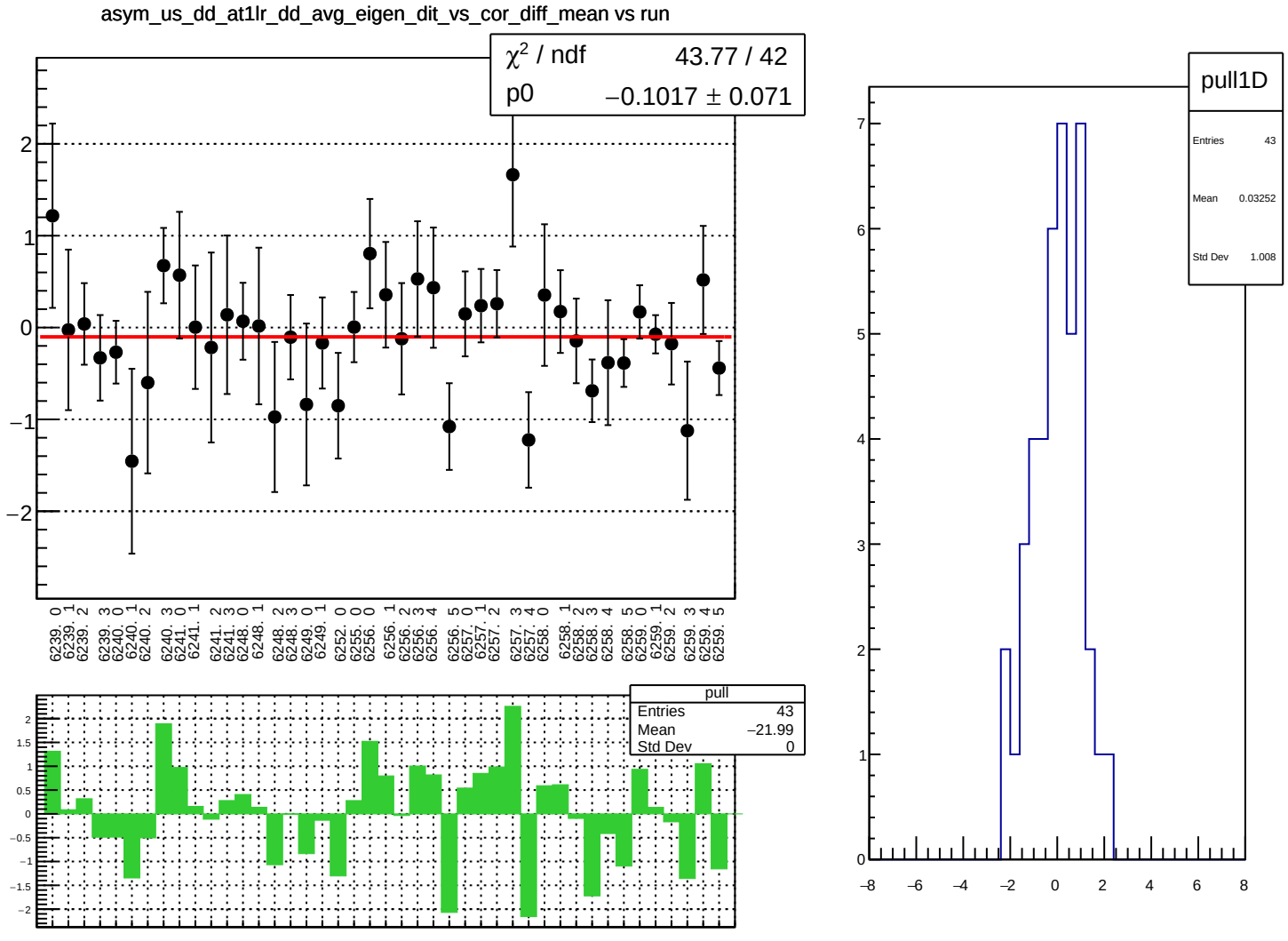



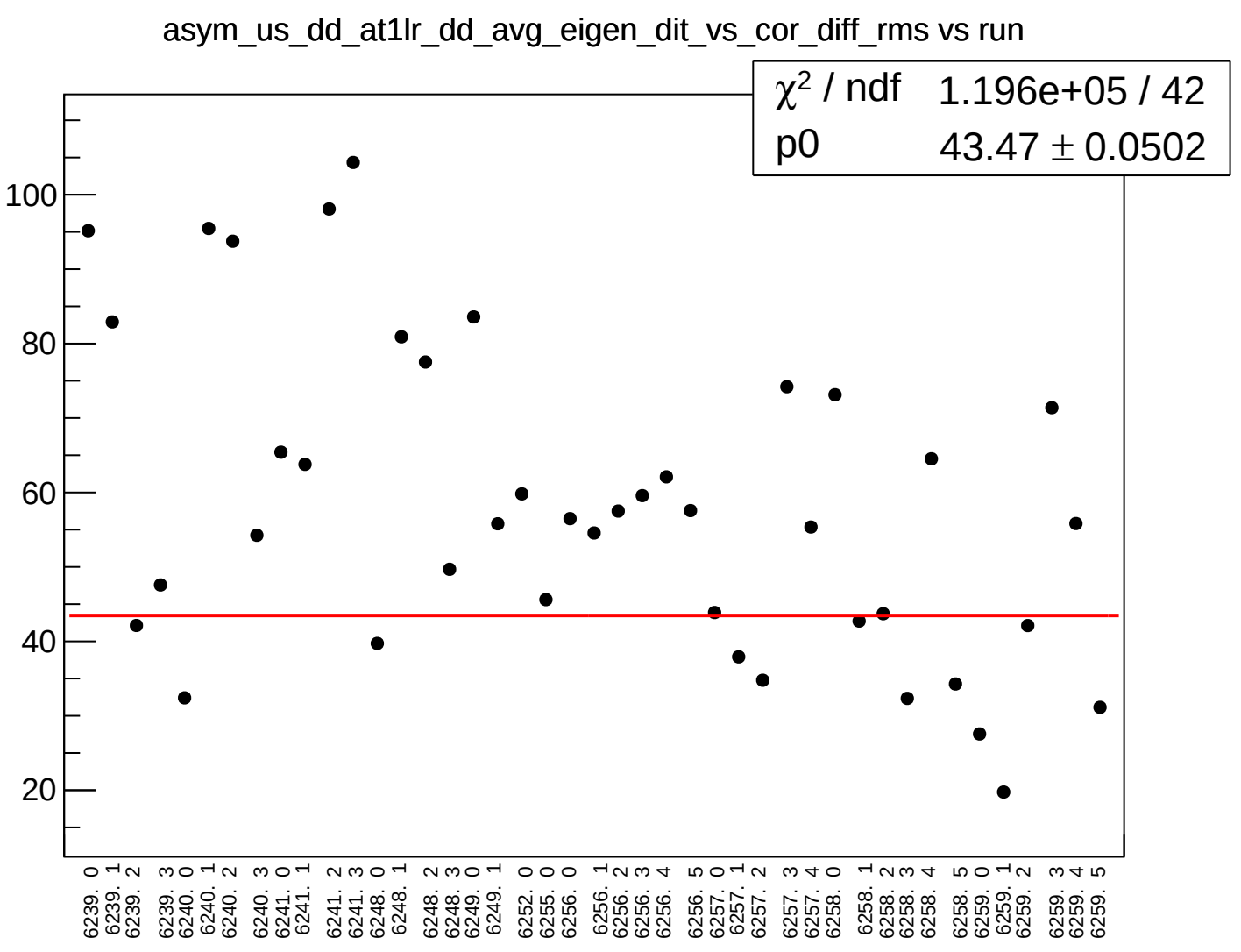

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 42
p0 43.47 ± 0.0502
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.47 / 42
p0 1.036e−06 ± 4.874e−06
0.15
0.1
0.05
0
−0.05
−0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.2
Std Dev 0
2
1
0
−1
−2

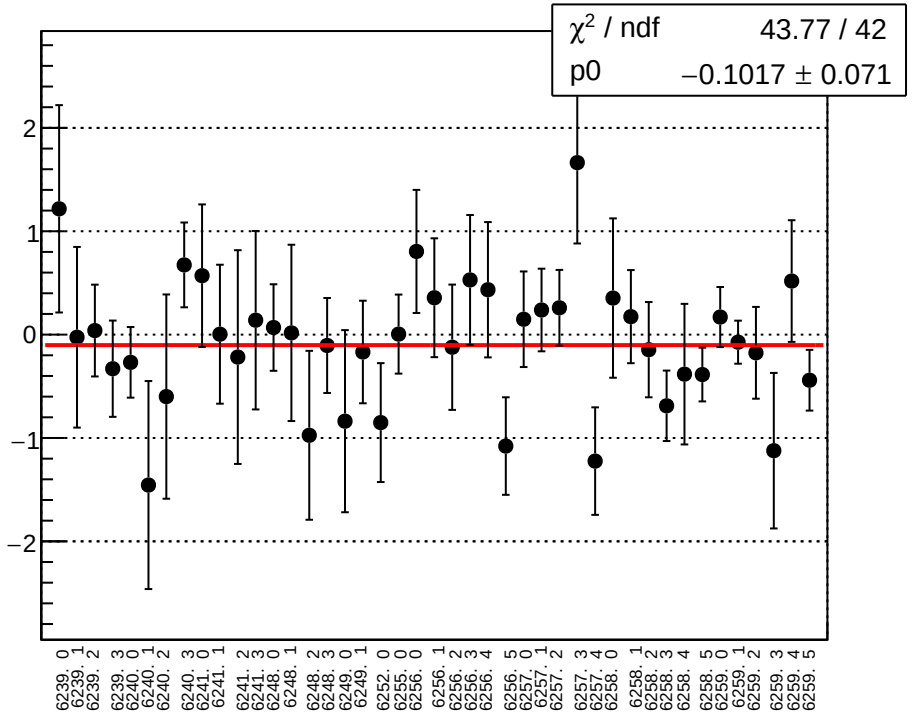

pull1D
Entries 43
Mean 0.09786
Std Dev 0.989
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

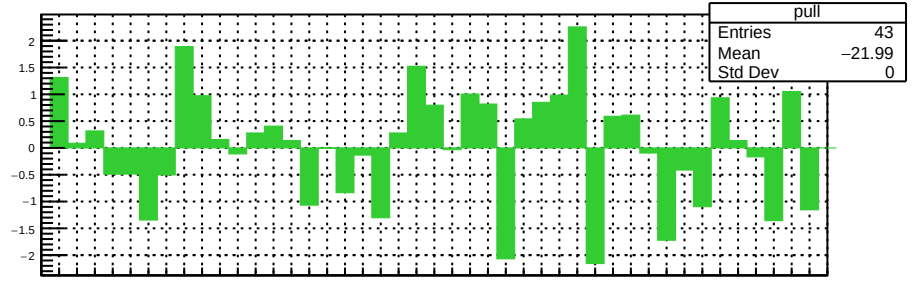

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.855e+04 / 42
p0 0.003065 ± 3.446e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

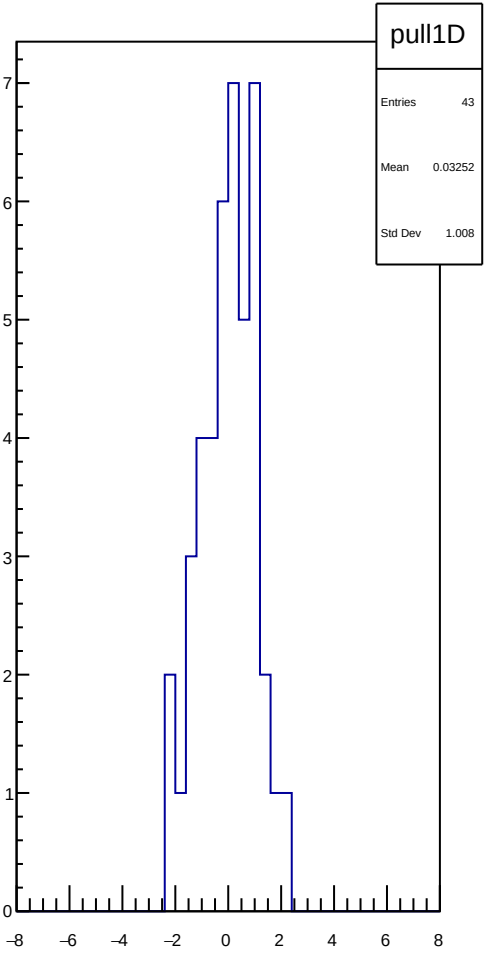

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.77 / 42
p0 −0.1017 ± 0.071
pull
Entries 43
Mean −21.99
Std Dev 0
pull1D
Entries 43
Mean 0.03252
Std Dev 1.008

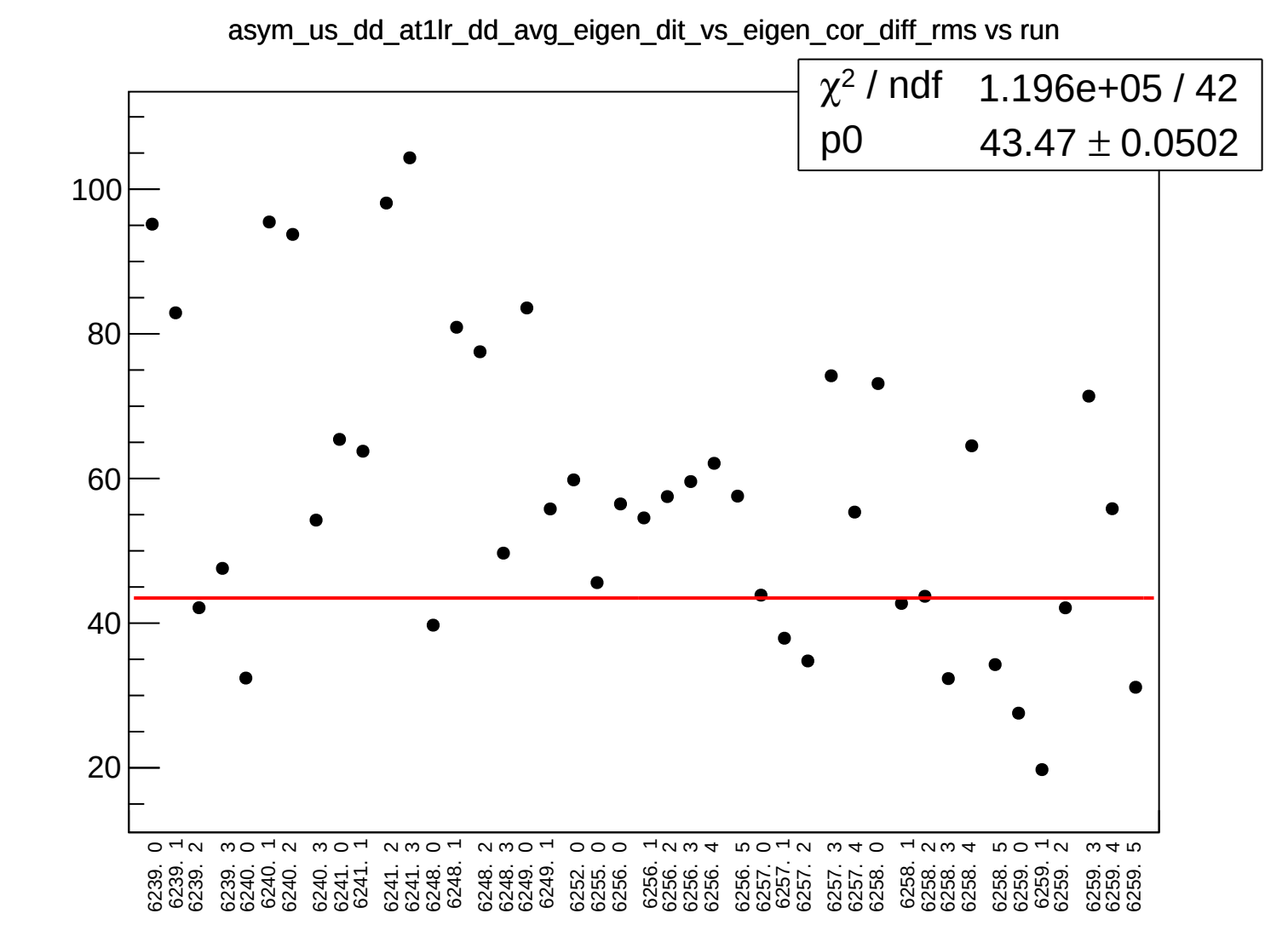

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 42
p0 43.47 ± 0.0502
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

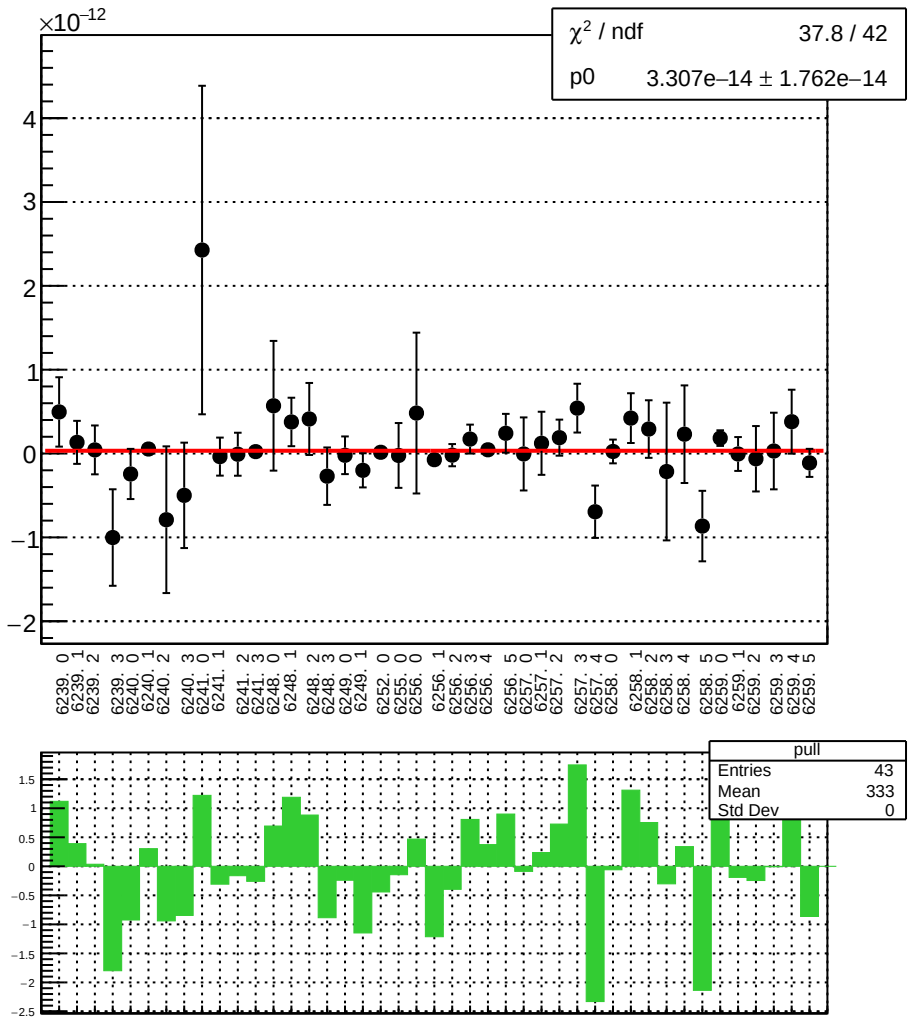
asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

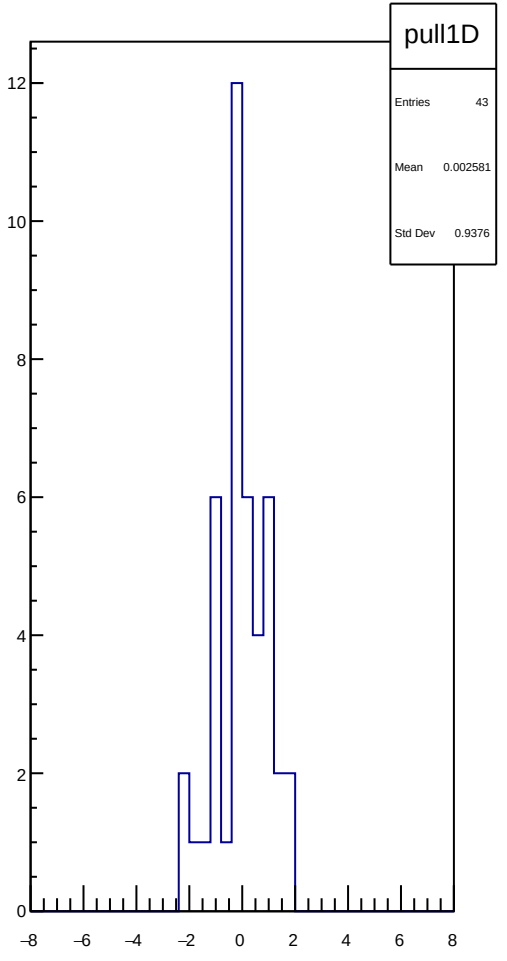


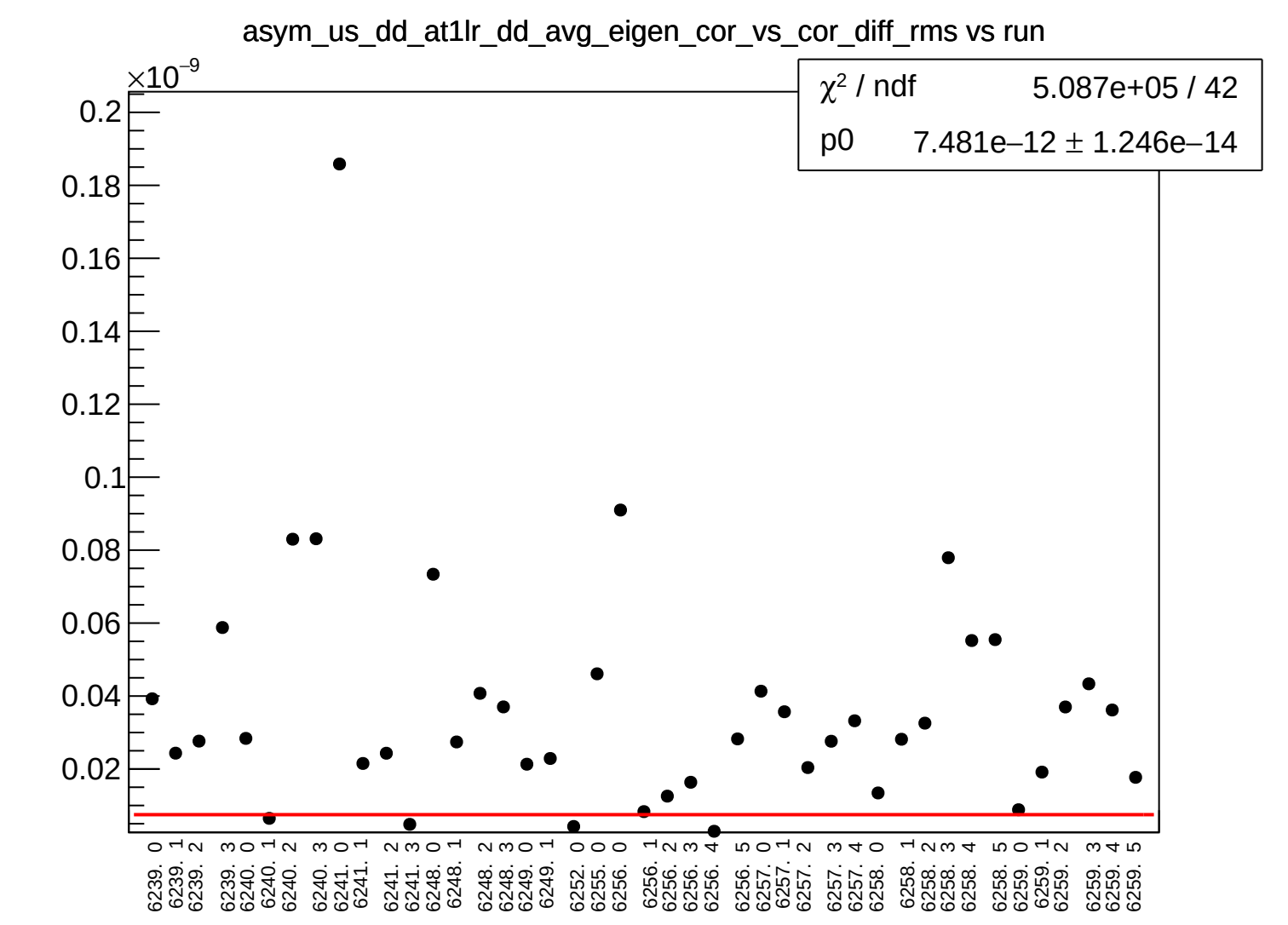



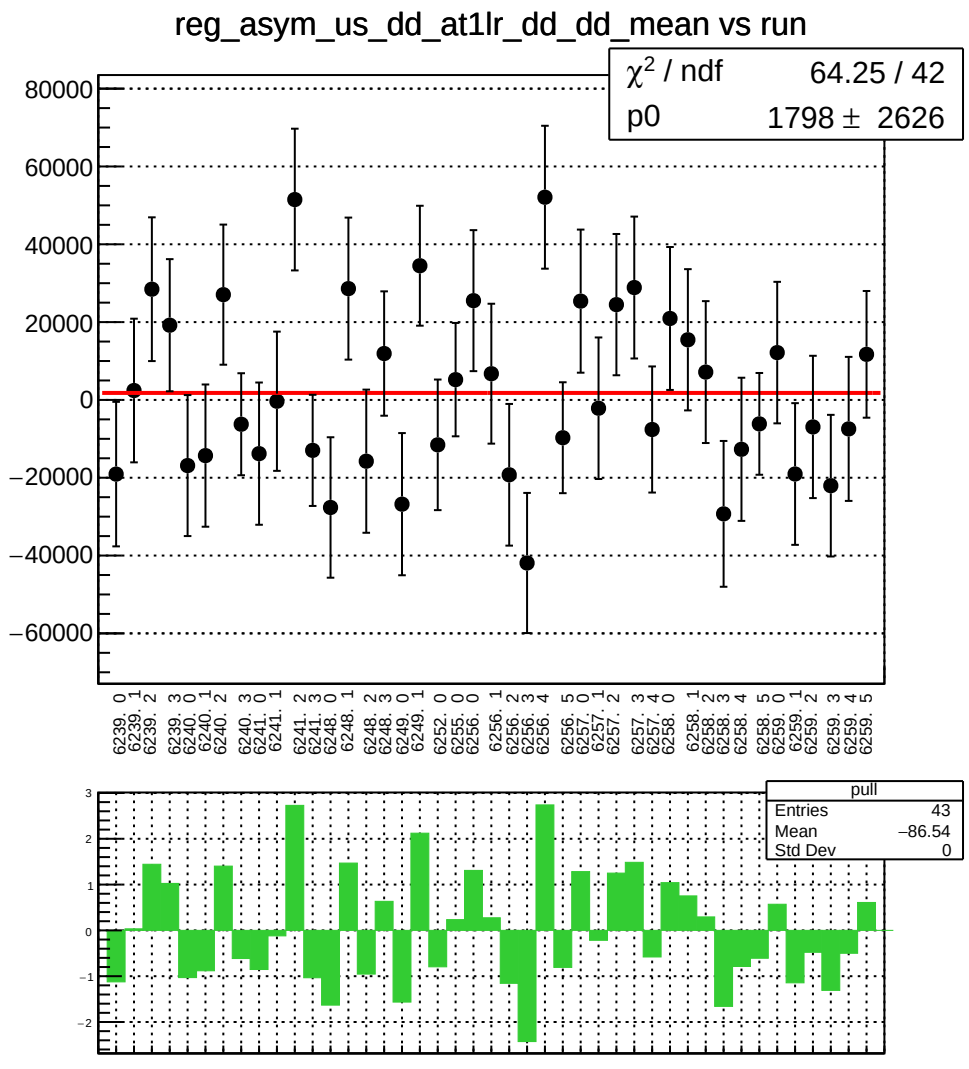




asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.196e+05 / 42
p0 43.47 ± 0.0502
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.8 / 42
p0 3.307e−14 ± 1.762e−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 333
Std Dev 0


pull1D
Entries 43
Mean 0.002581
Std Dev 0.9376


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.087e+05 / 42
p0 7.481e−12 ± 1.246e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 64.25 / 42
p0 1798 ± 2626
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −86.54
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.009939
Std Dev 1.222
9
8
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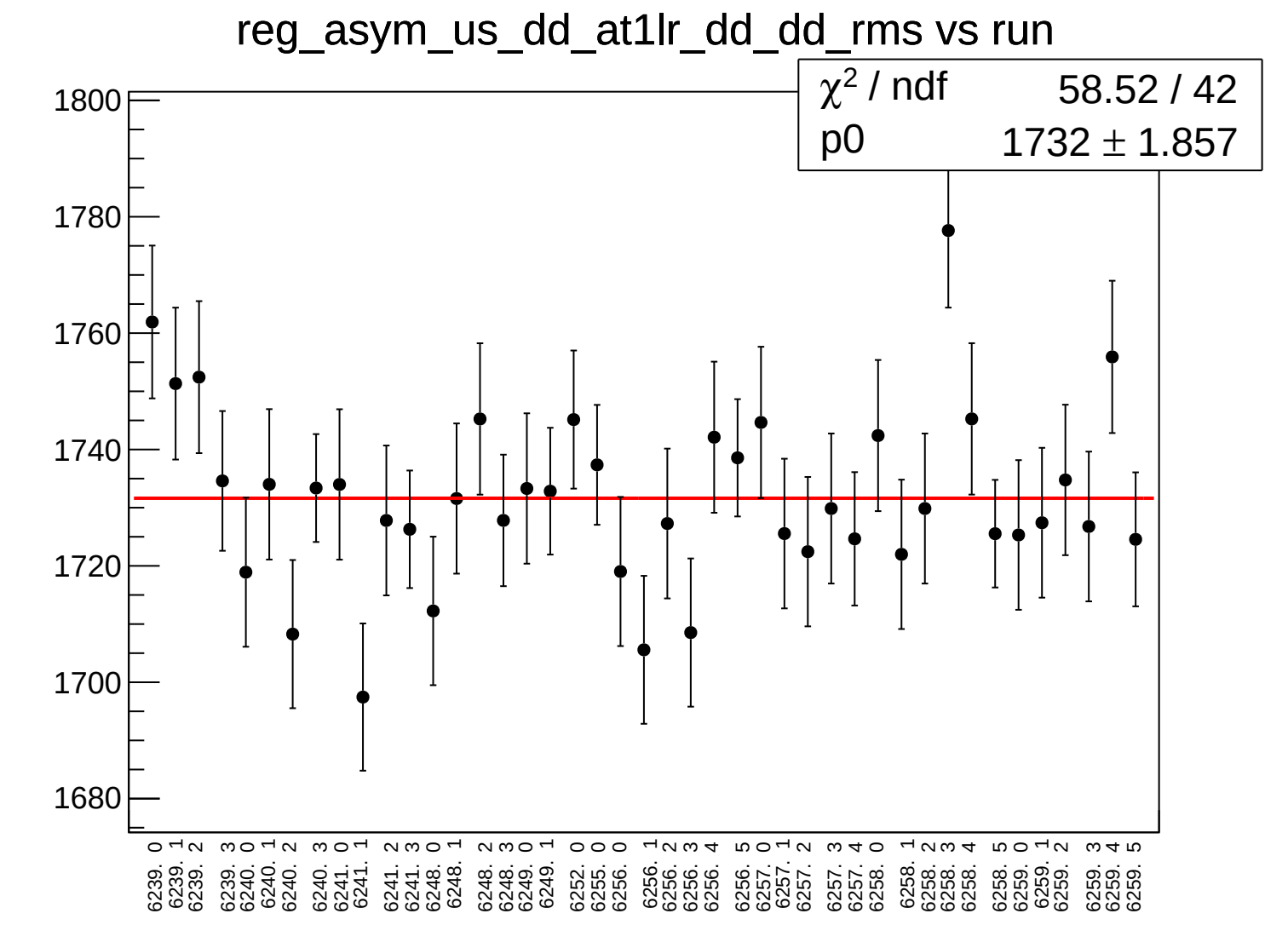
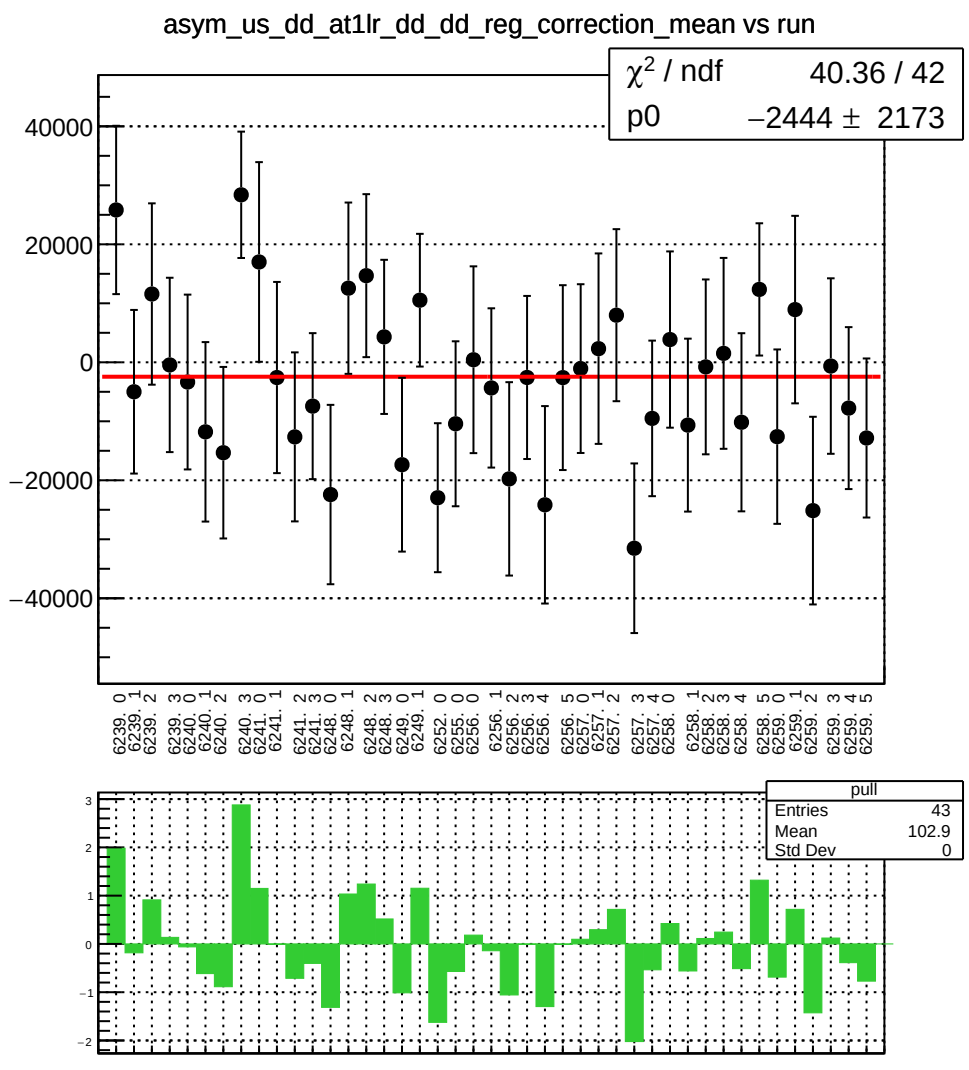
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 58.52 / 42
p0 1732 ± 1.857
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 40.36 / 42
p0 −2444 ± 2173
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03668
Std Dev 0.9681
9
8
7
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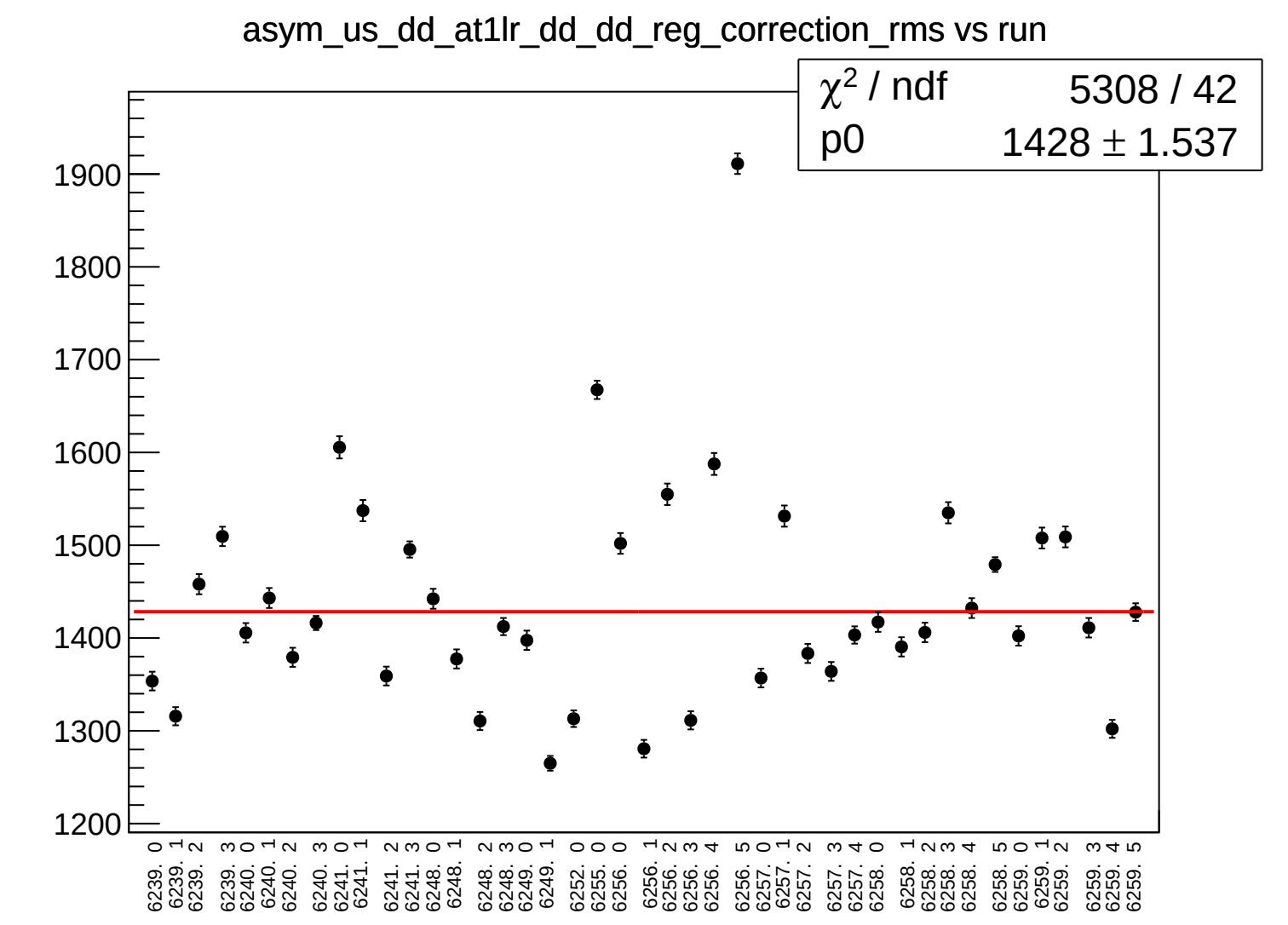
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 5308 / 42
p0 1428 ± 1.537
1900
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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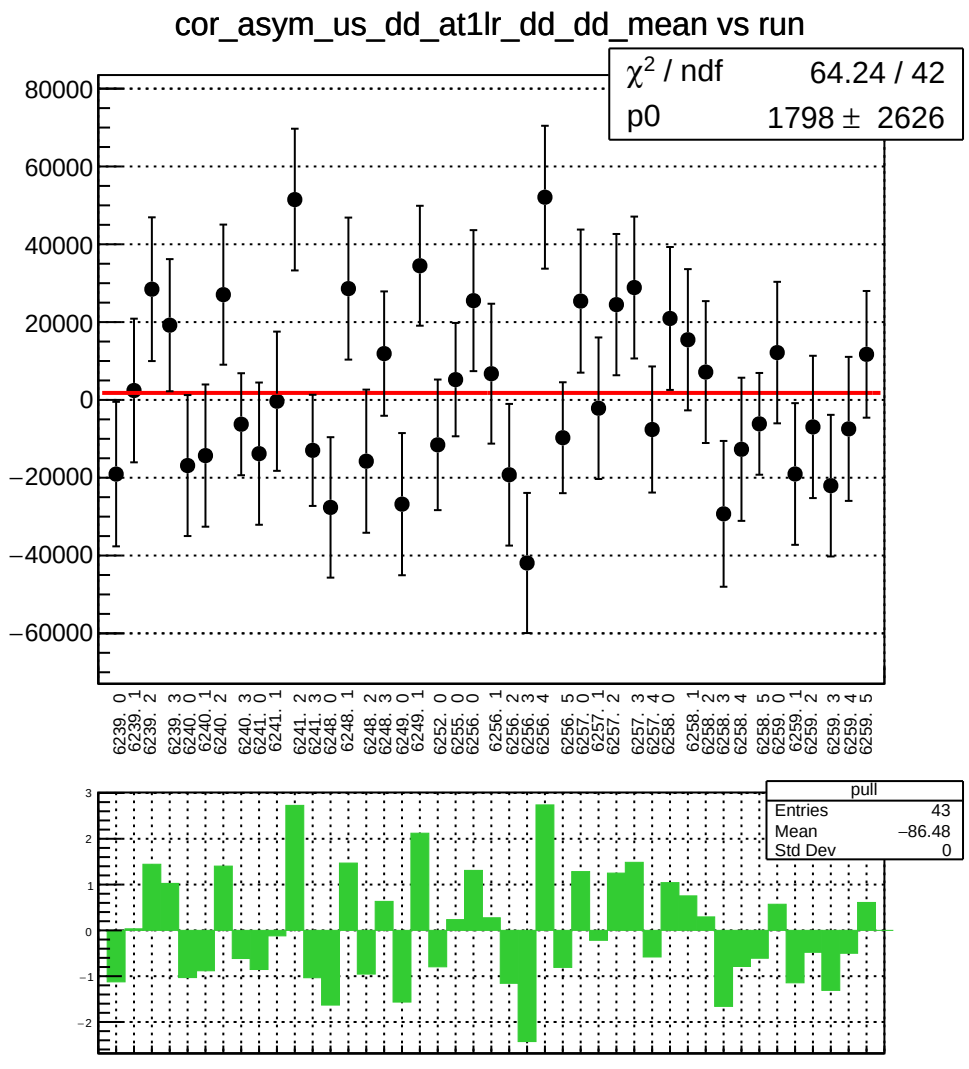
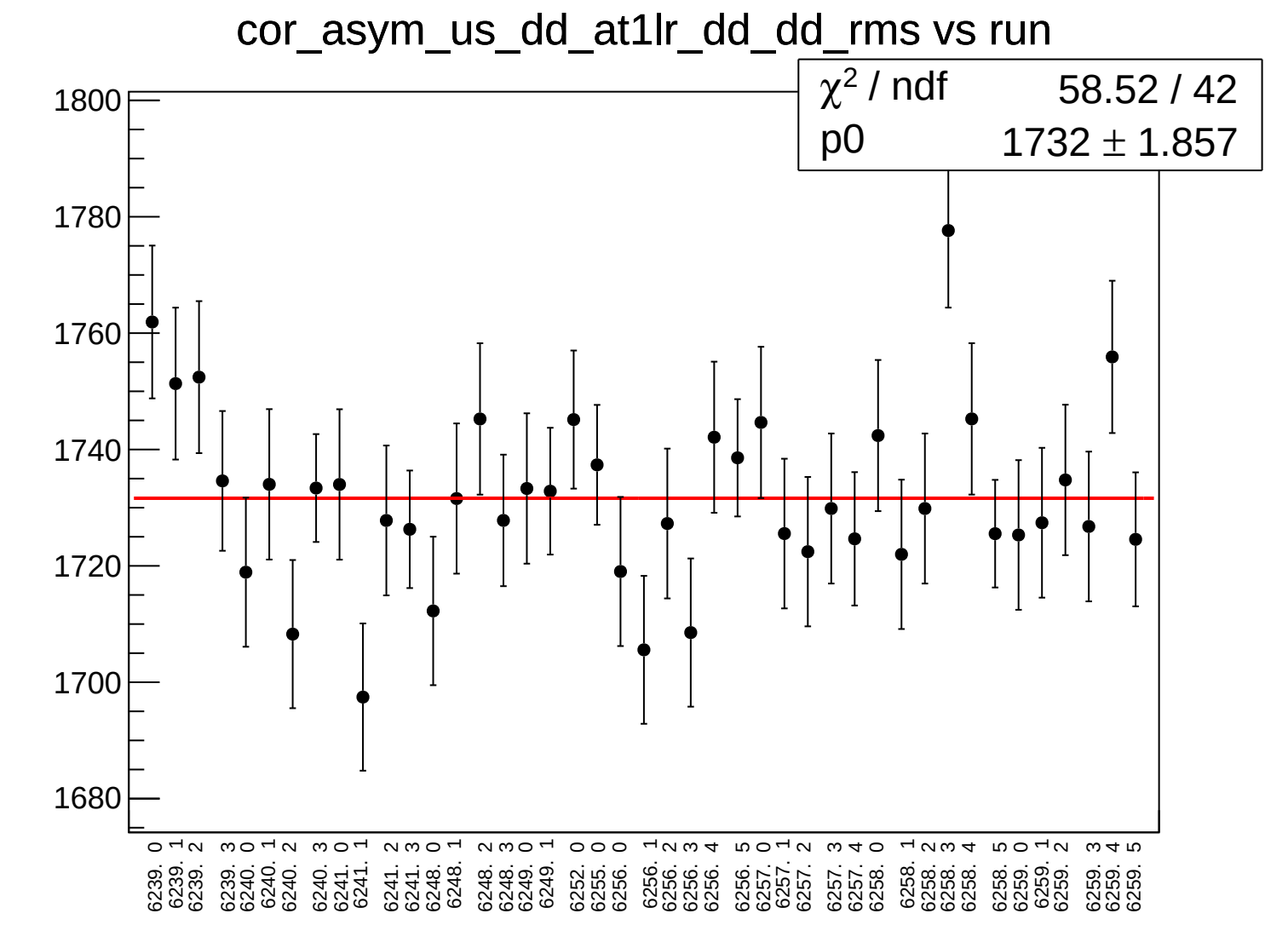
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 64.24 / 42
p0 1798 ± 2626
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −86.48
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.009942
Std Dev 1.222
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 58.52 / 42
p0 1732 ± 1.857
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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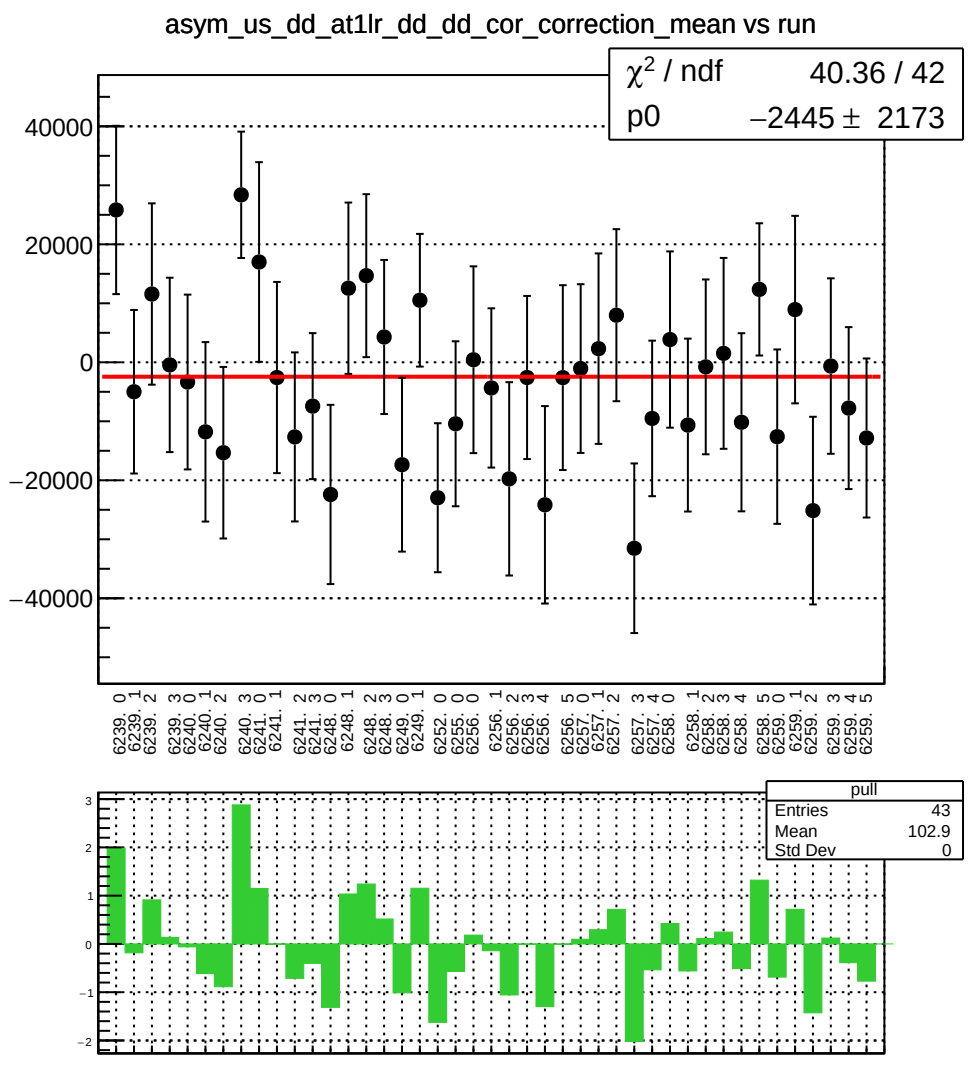
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 40.36 / 42
p0 −2445 ± 2173
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03667
Std Dev 0.9681
9
8
7
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5
4
3
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1
0
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−6
−4
−2
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2
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6
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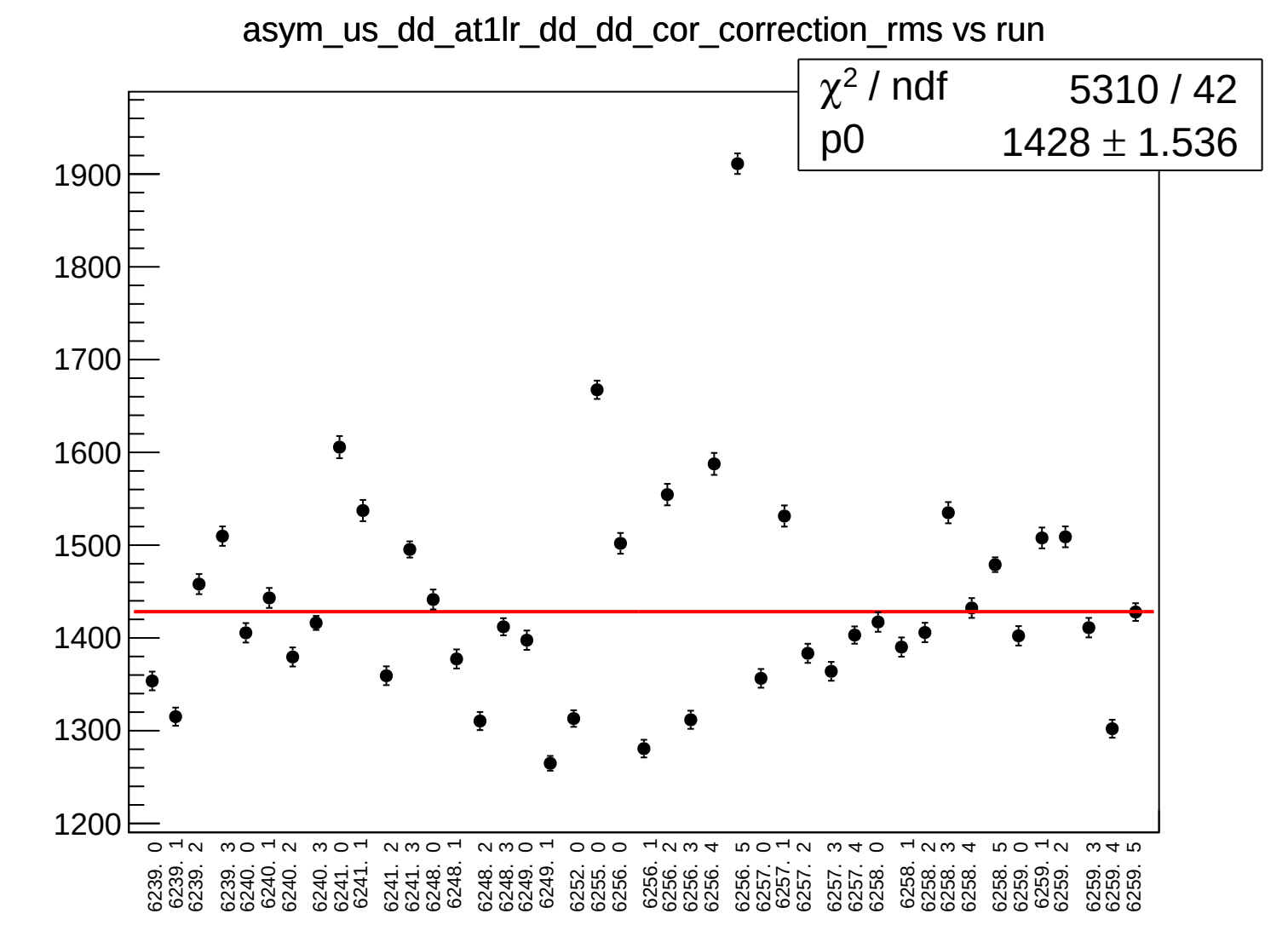
asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 5310 / 42
p0 1428 ± 1.536
1900
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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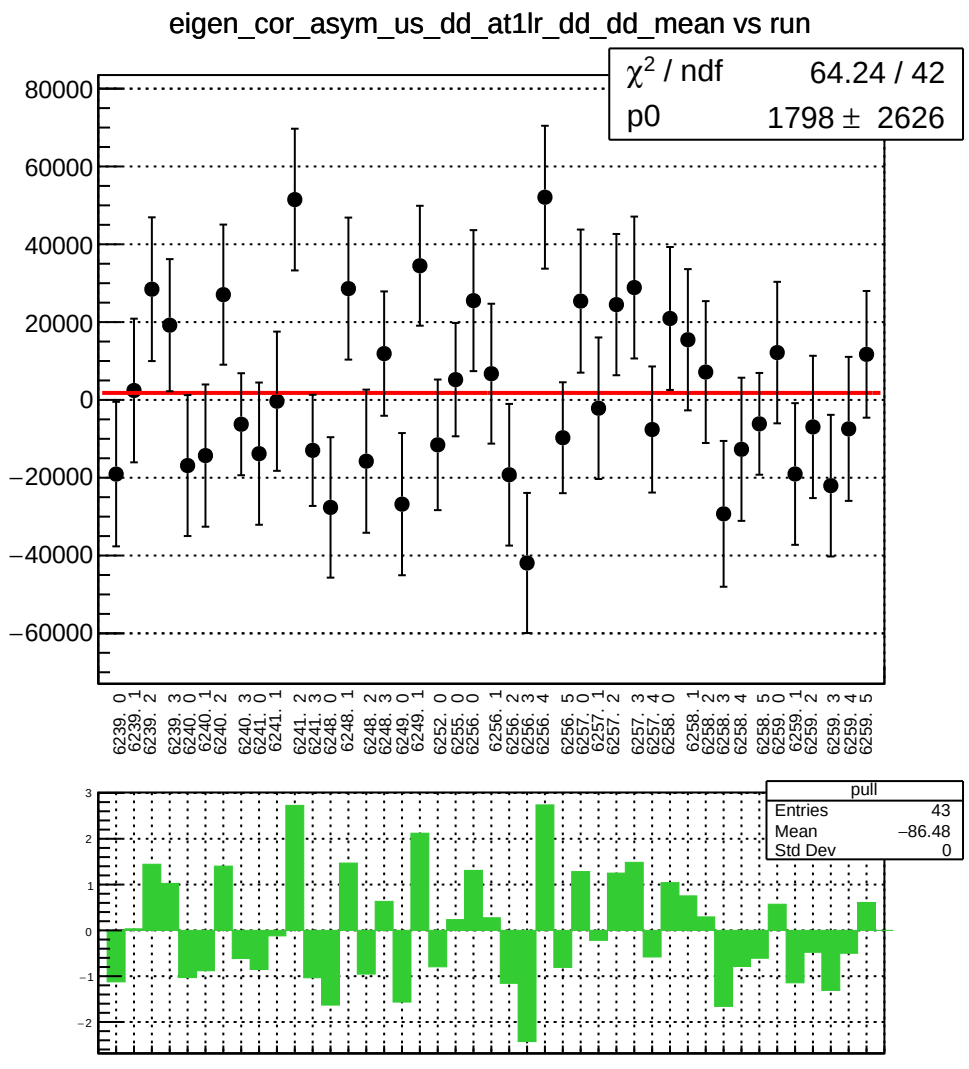
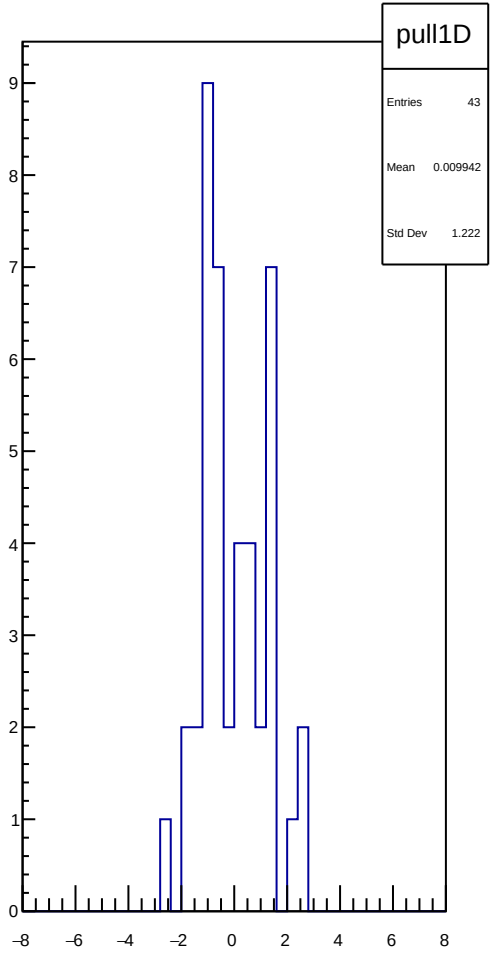
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 64.24 / 42
p0 1798 ± 2626
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −86.48
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.009942
Std Dev 1.222
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8
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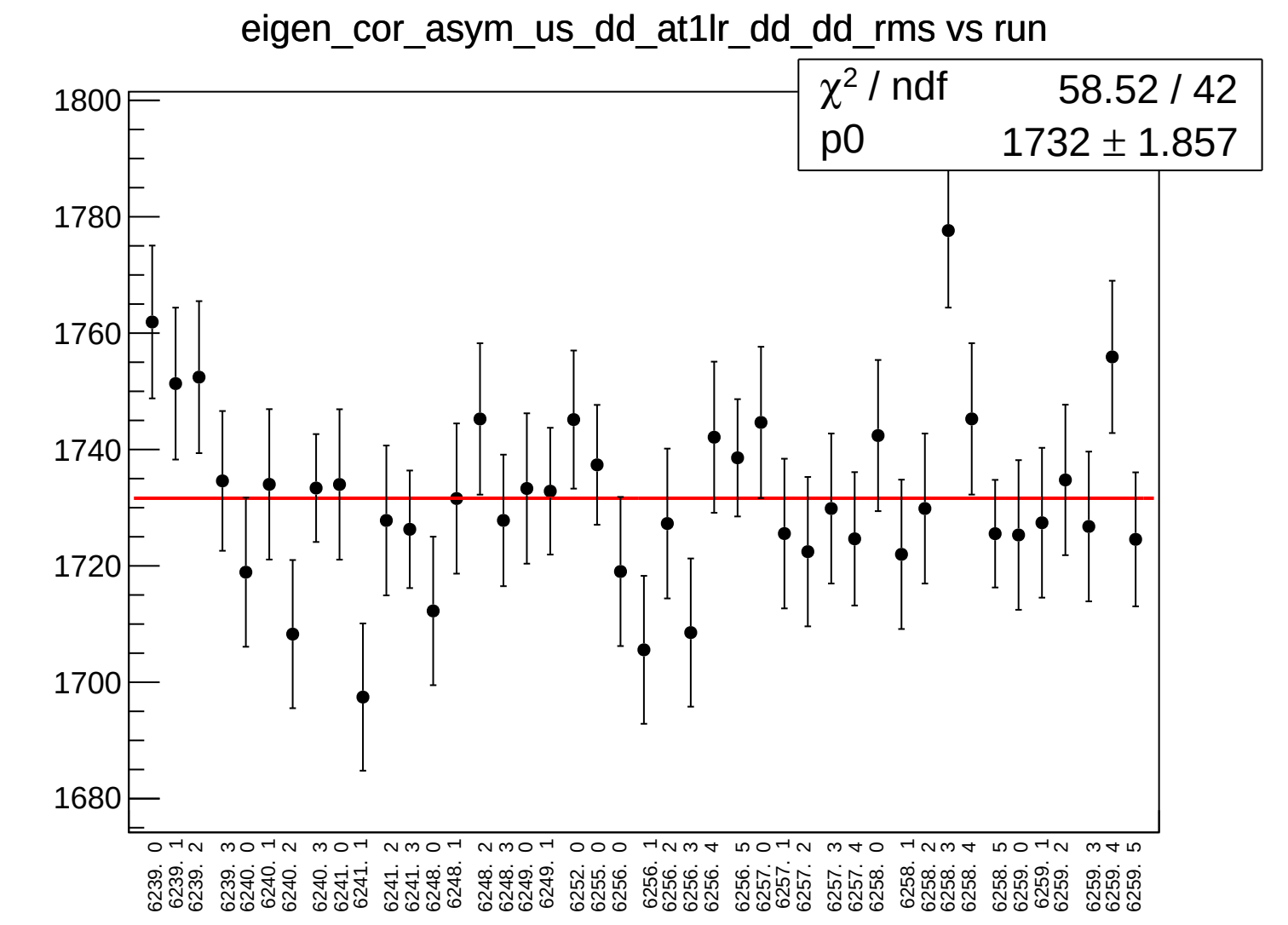
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 58.52 / 42
p0 1732 ± 1.857
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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6259. 2
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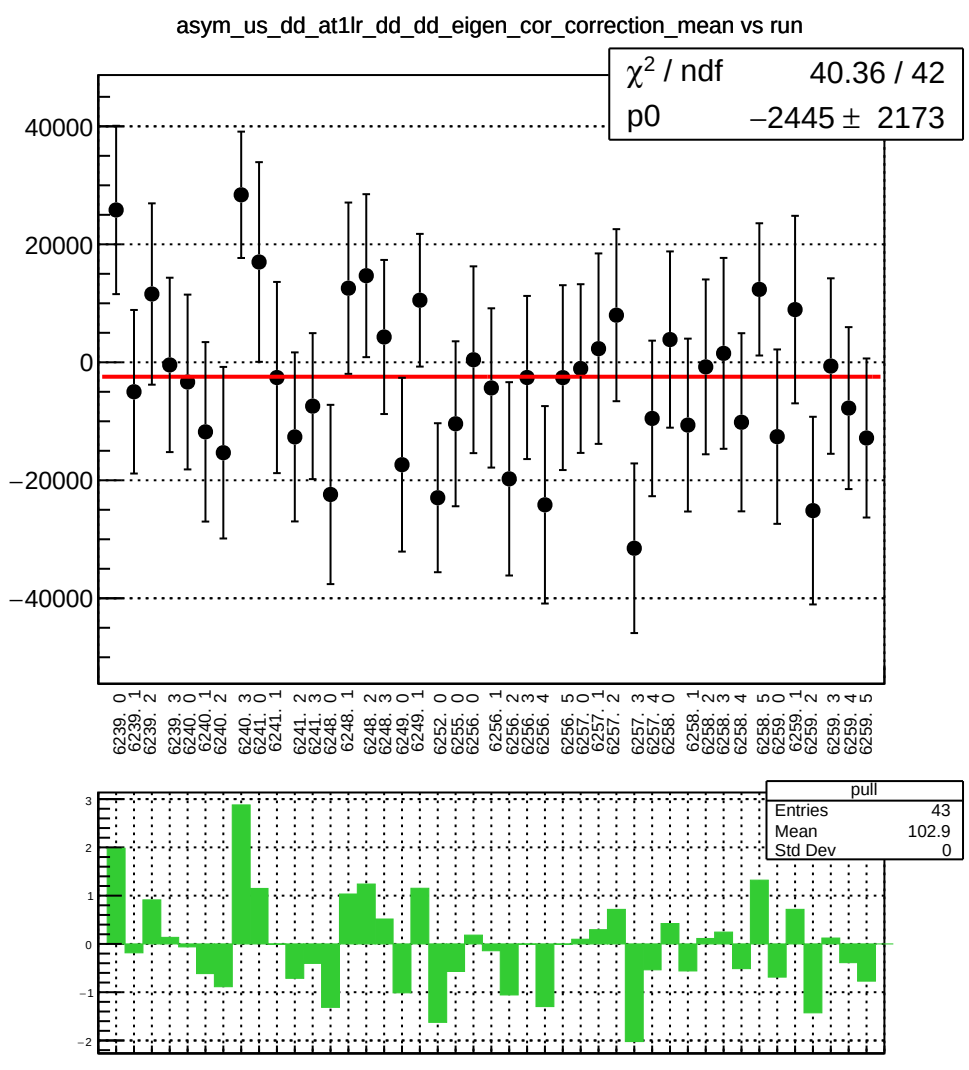
6259. 4
6259. 5


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.36 / 42
p0 −2445 ± 2173
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03667
Std Dev 0.9681
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
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2
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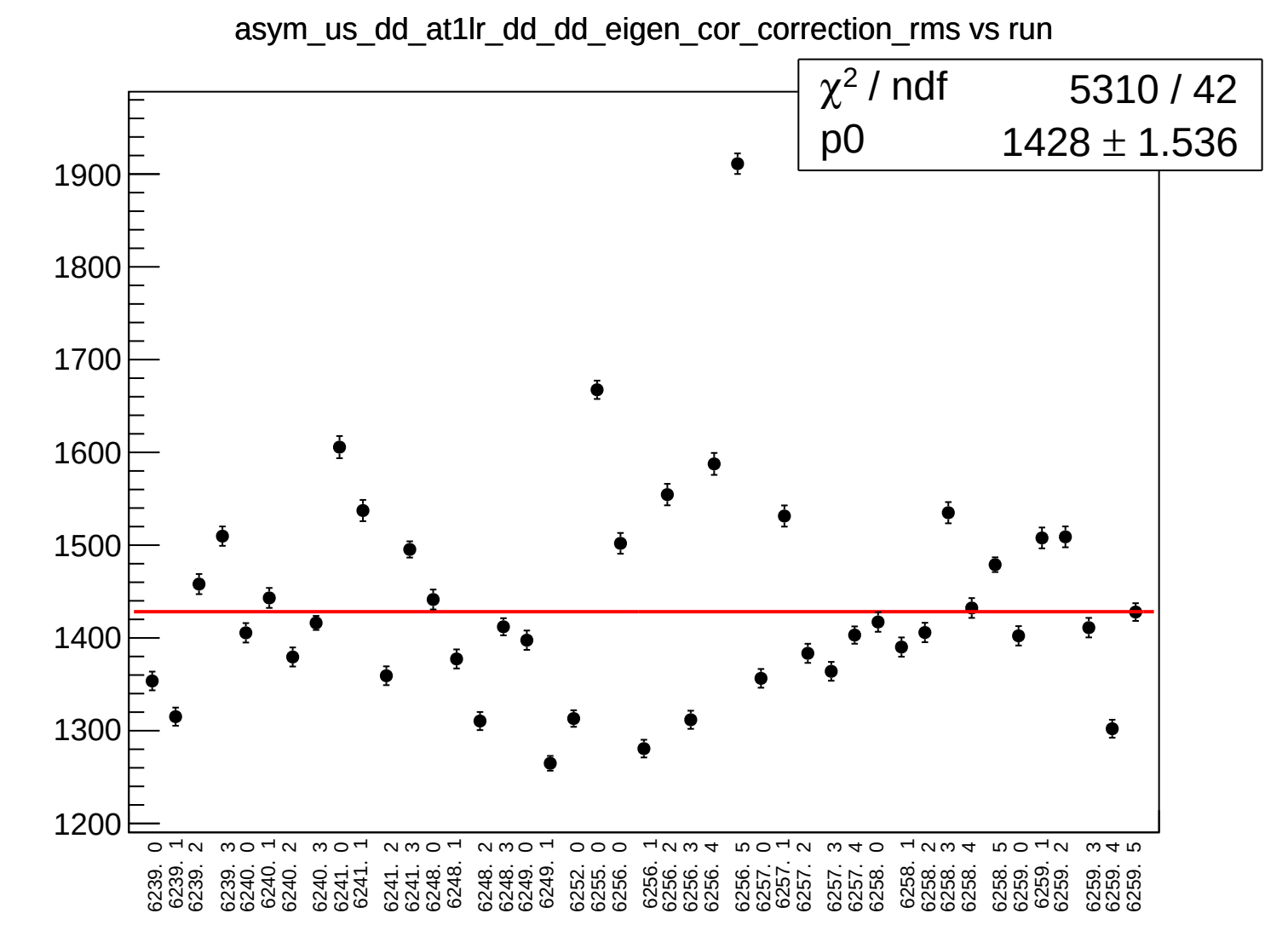
6
8


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5310 / 42
p0 1428 ± 1.536
1900
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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6259. 2
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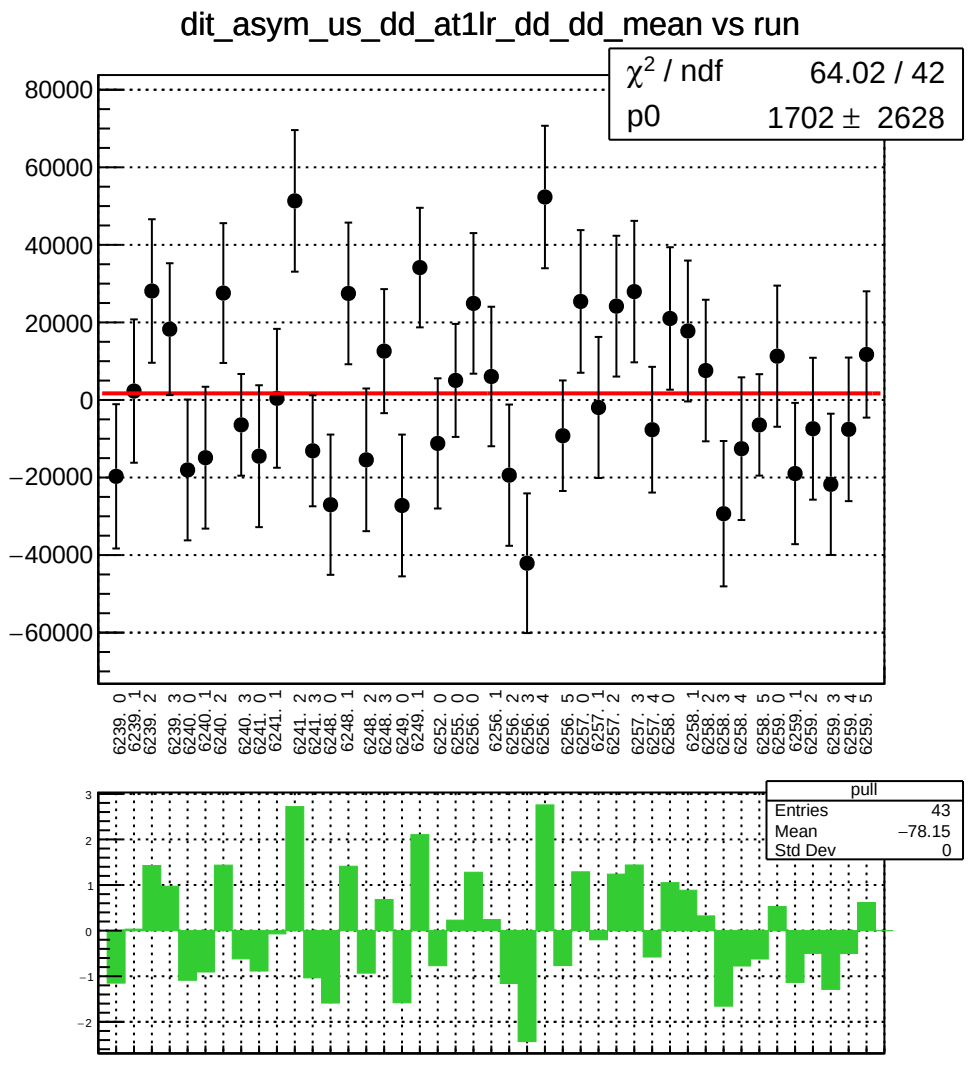
6259. 4
6259. 5


dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 64.02 / 42
p0 1702 ± 2628
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
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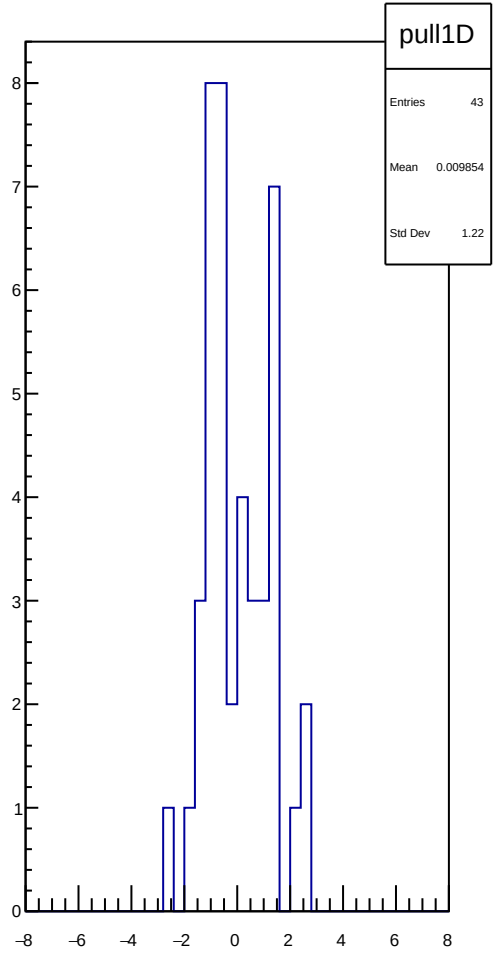
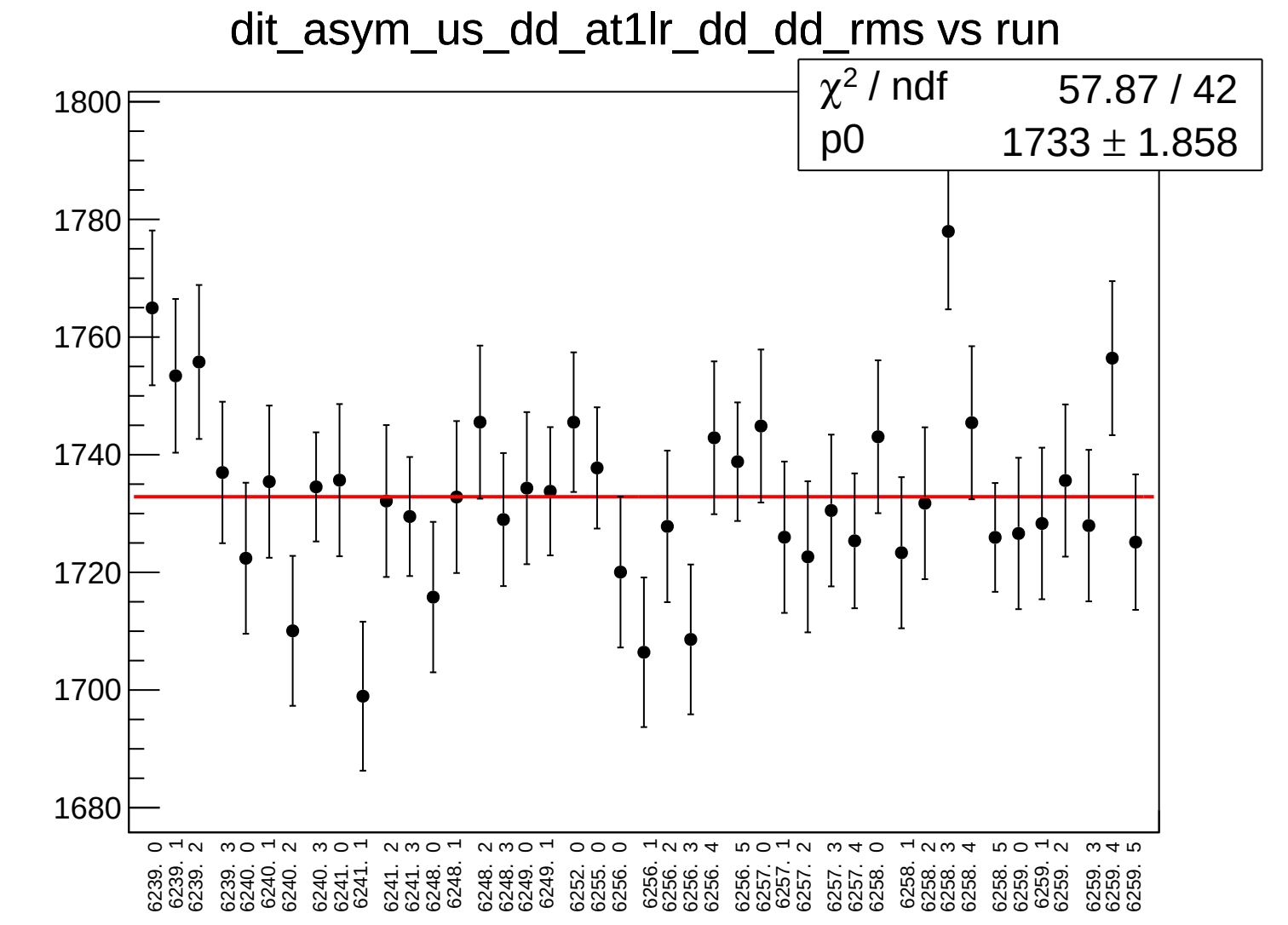
6259. 5
pull
Entries 43
Mean −78.15
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.009854
Std Dev 1.22
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 57.87 / 42
p0 1733 ± 1.858
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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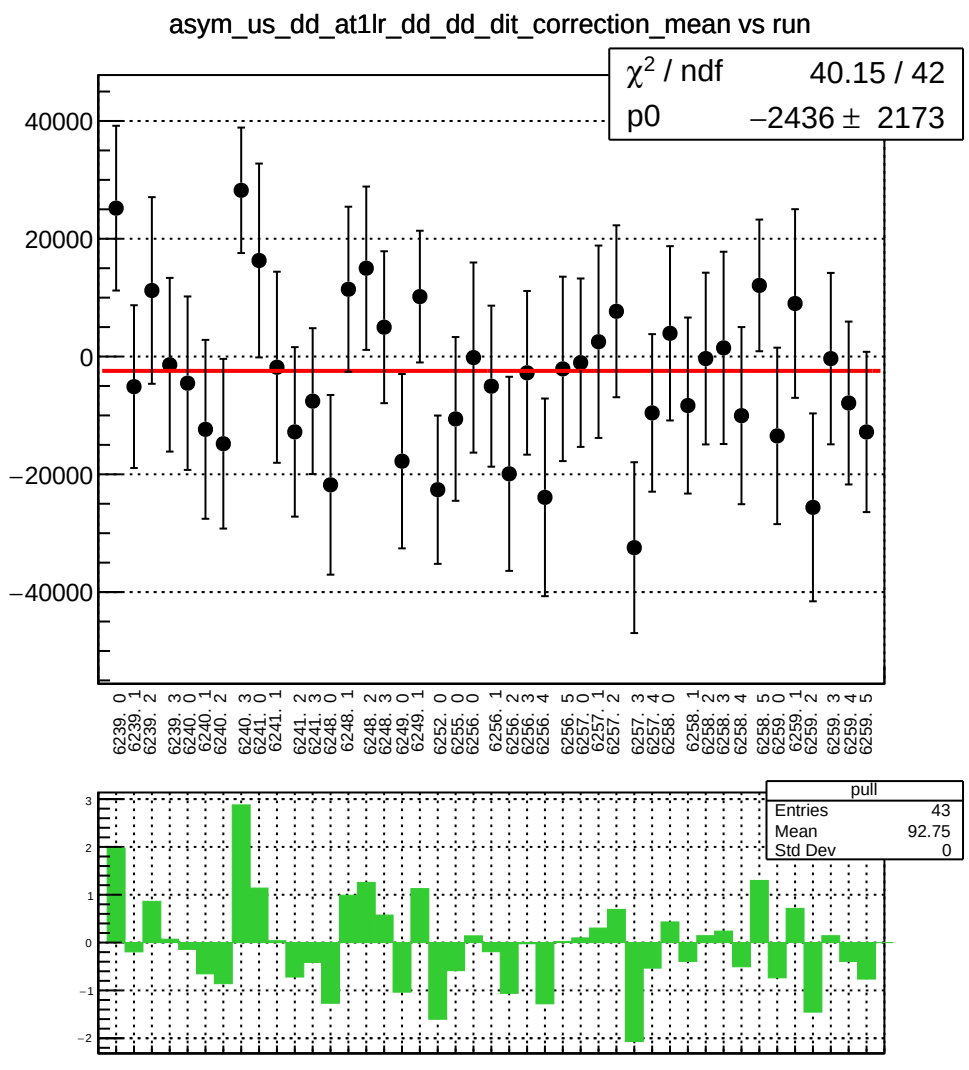
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 40.15 / 42
p0 −2436 ± 2173
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6240. 2
6240. 3
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6241. 2
6241. 3
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6257. 4
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6258. 2
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6258. 4
6258. 5
6259. 0
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6259. 2
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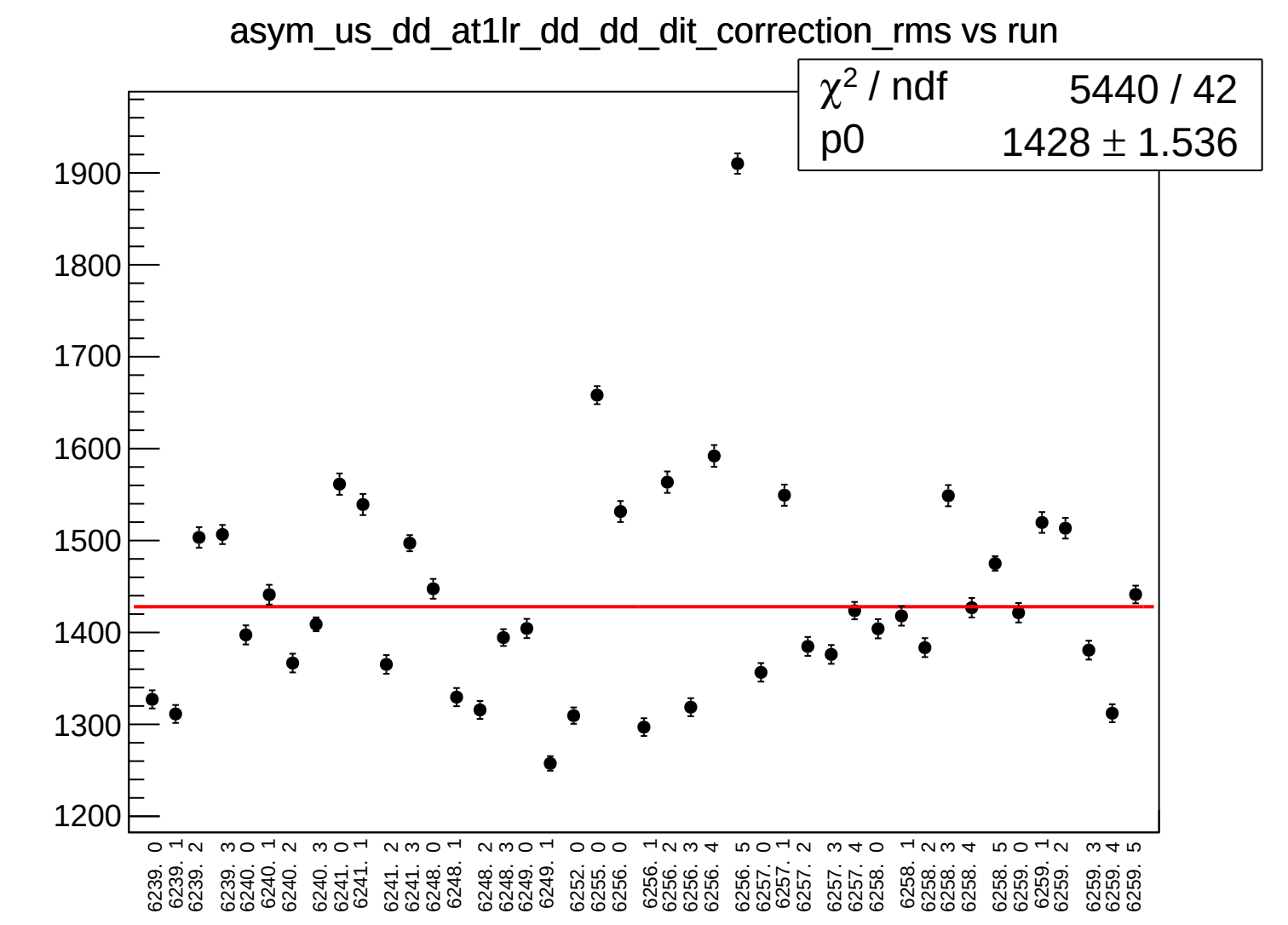
6259. 4
6259. 5
pull
Entries 43
Mean 92.75
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04049
Std Dev 0.9654
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 5440 / 42
p0 1428 ± 1.536
1900
1800
1700
1600
1500
1400
1300
1200
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6239. 2
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6240. 2
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6241. 3
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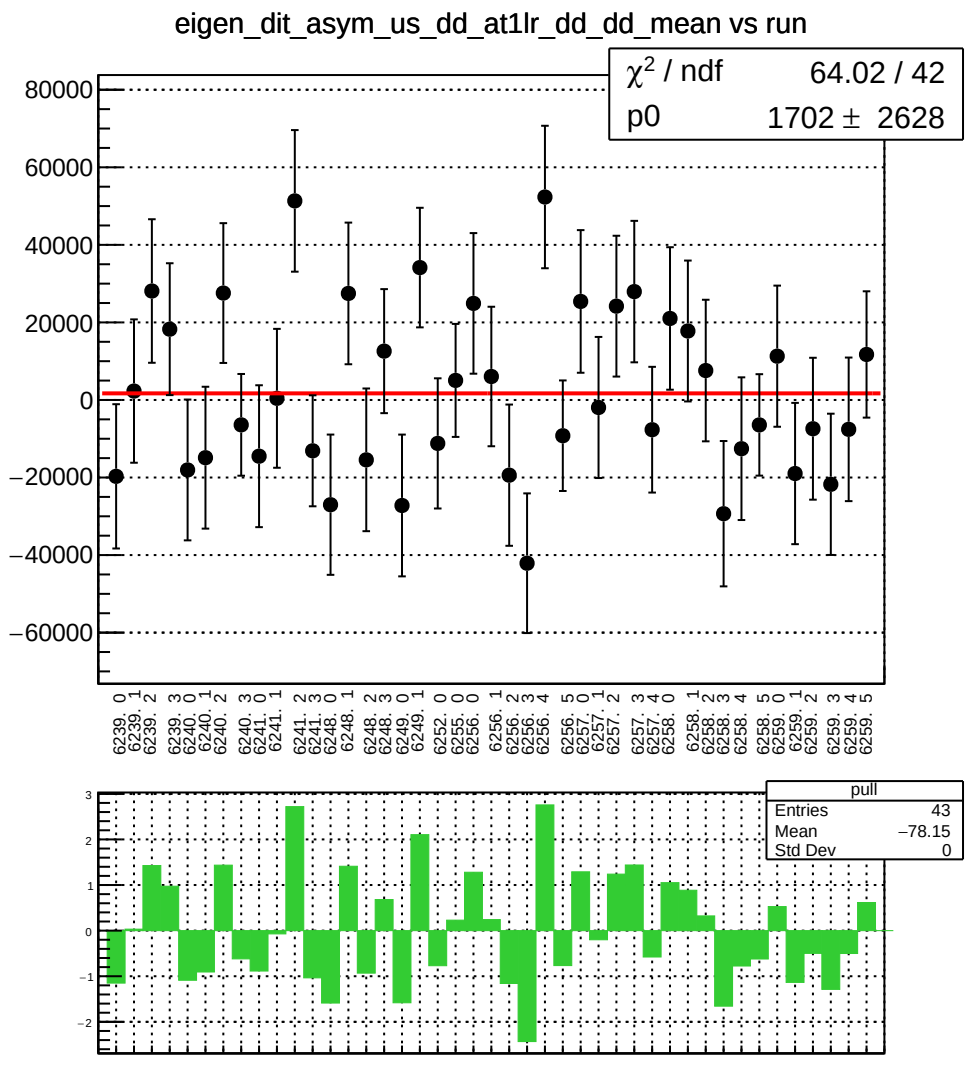
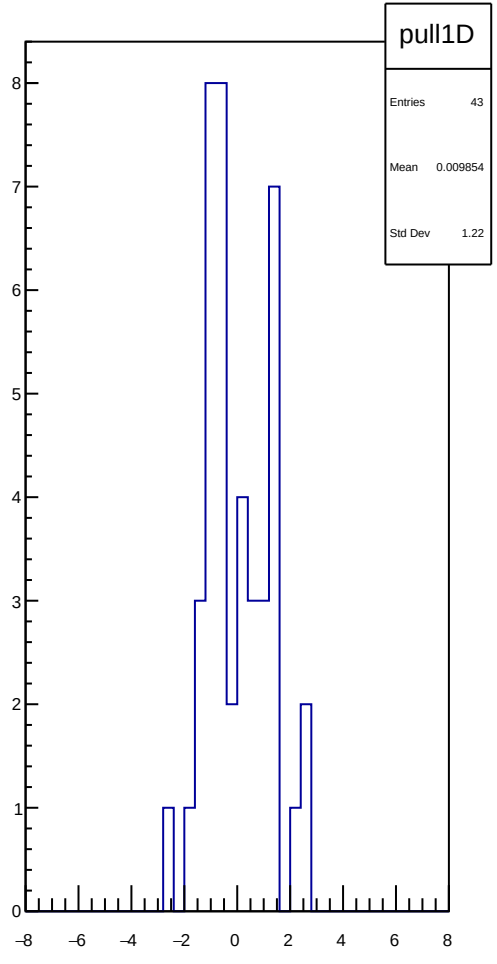
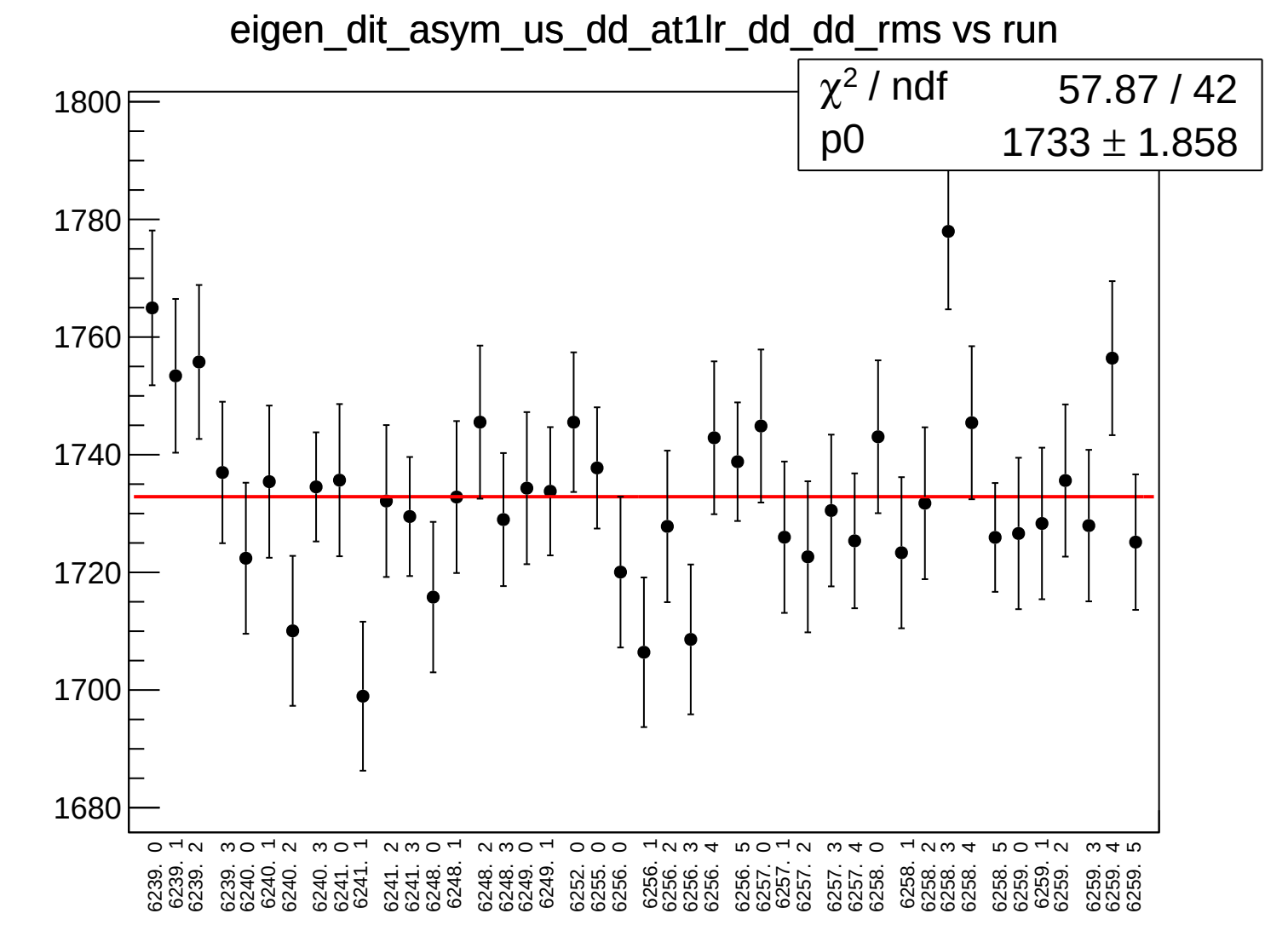
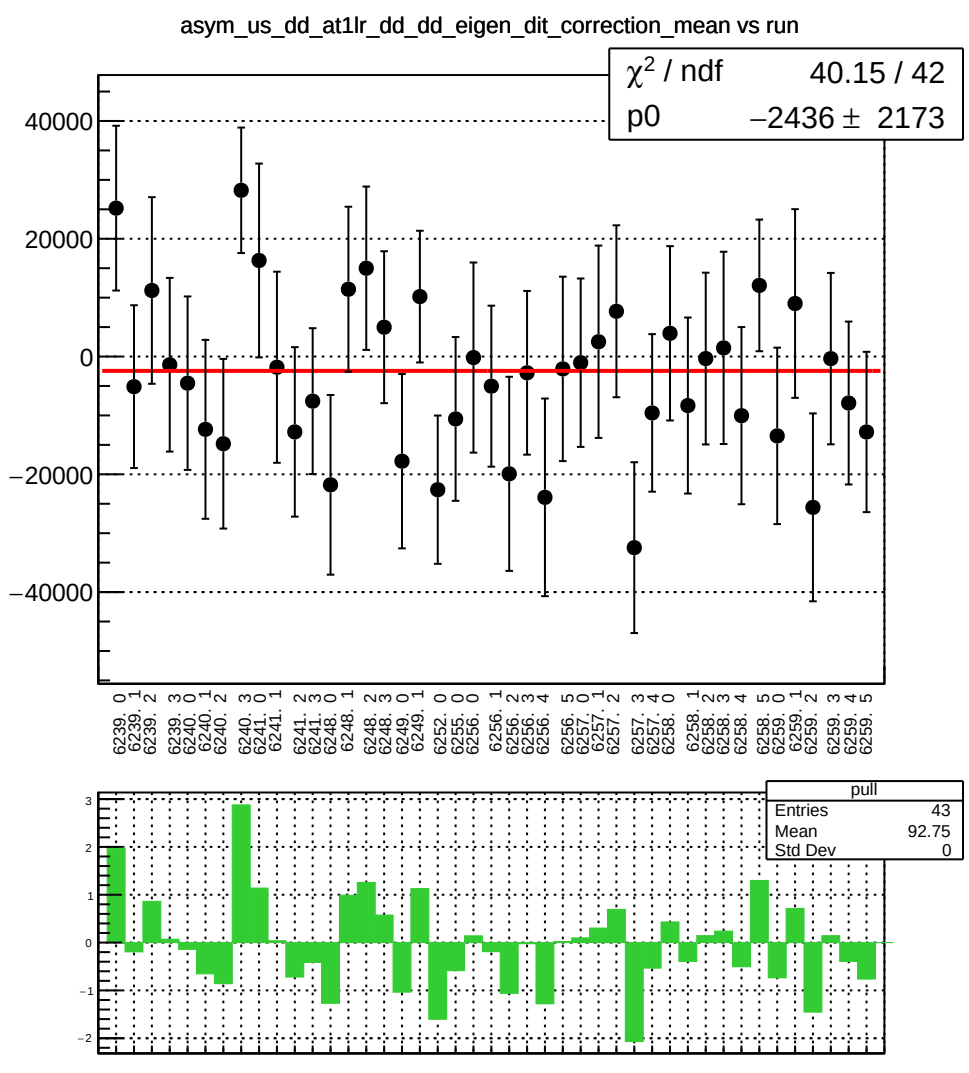
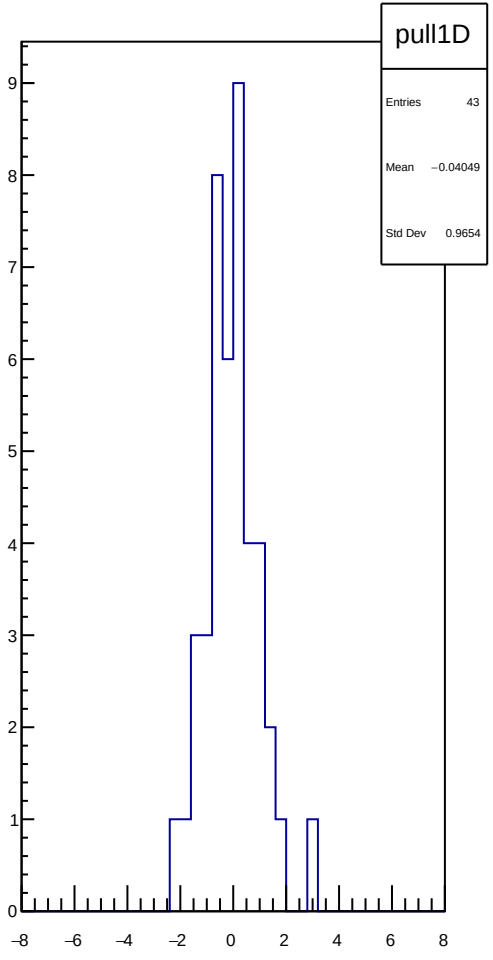
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

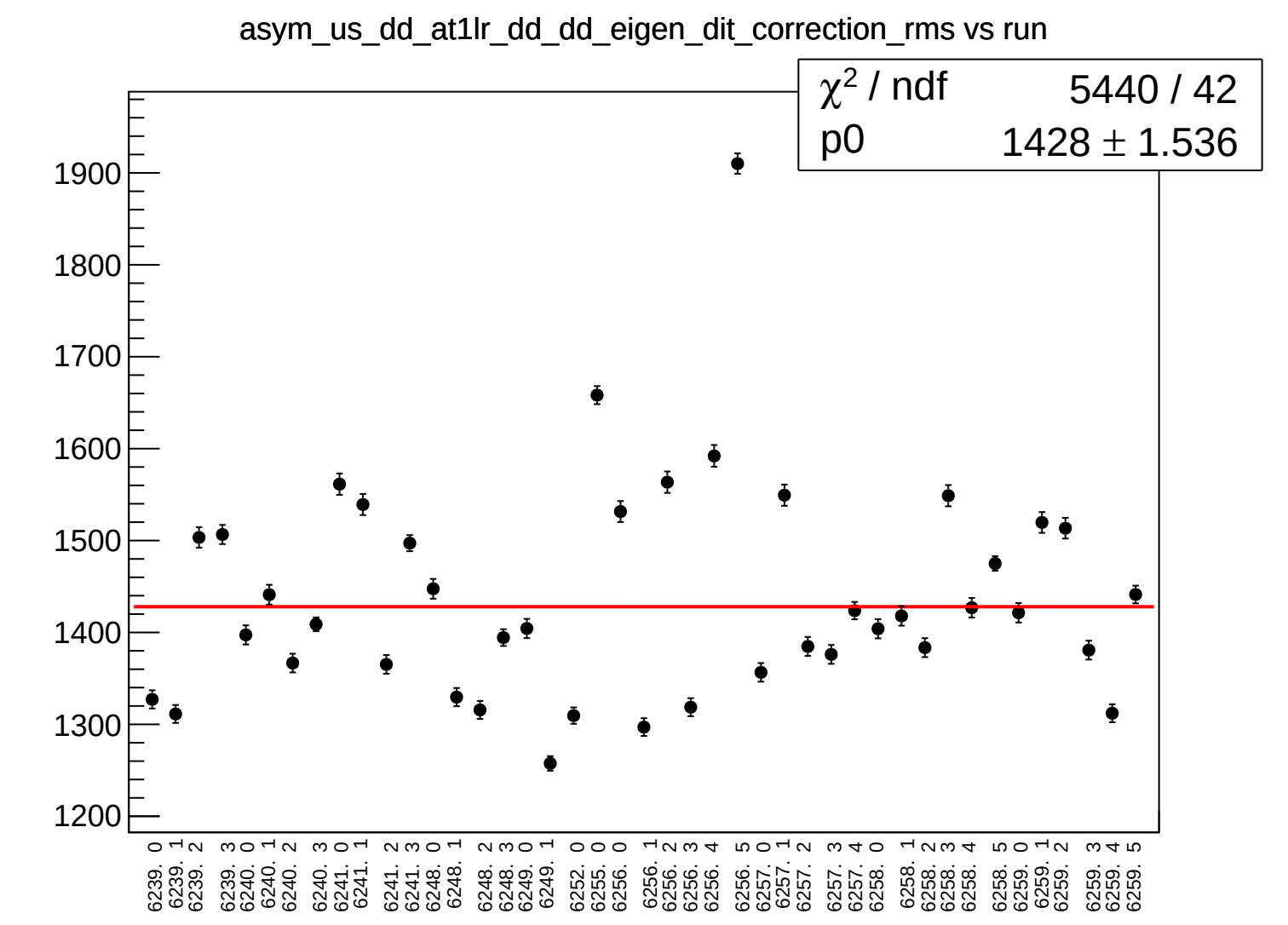

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 64.02 / 42
p0 1702 ± 2628
80000
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −78.15
Std Dev 0
3
2
1
0
−1
−2

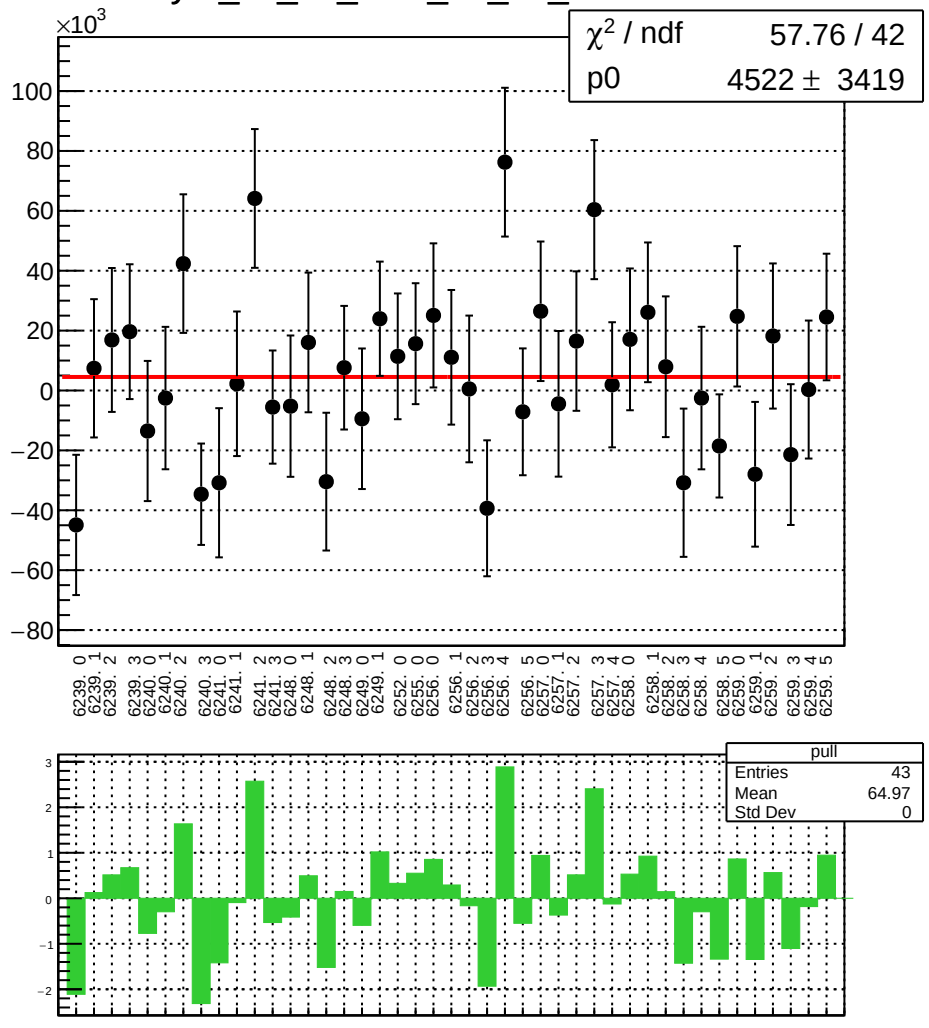

pull1D
Entries 43
Mean 0.009854
Std Dev 1.22
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

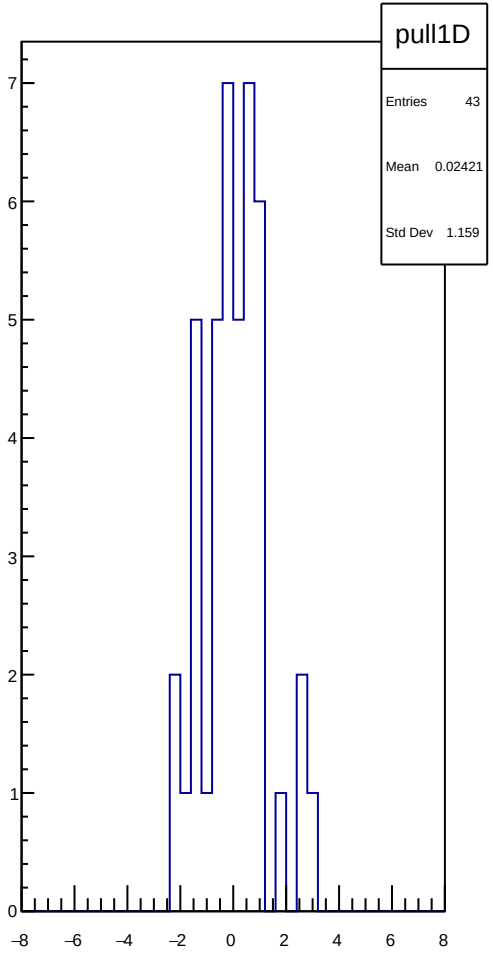

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 57.87 / 42
p0 1733 ± 1.858
1800
1780
1760
1740
1720
1700
1680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

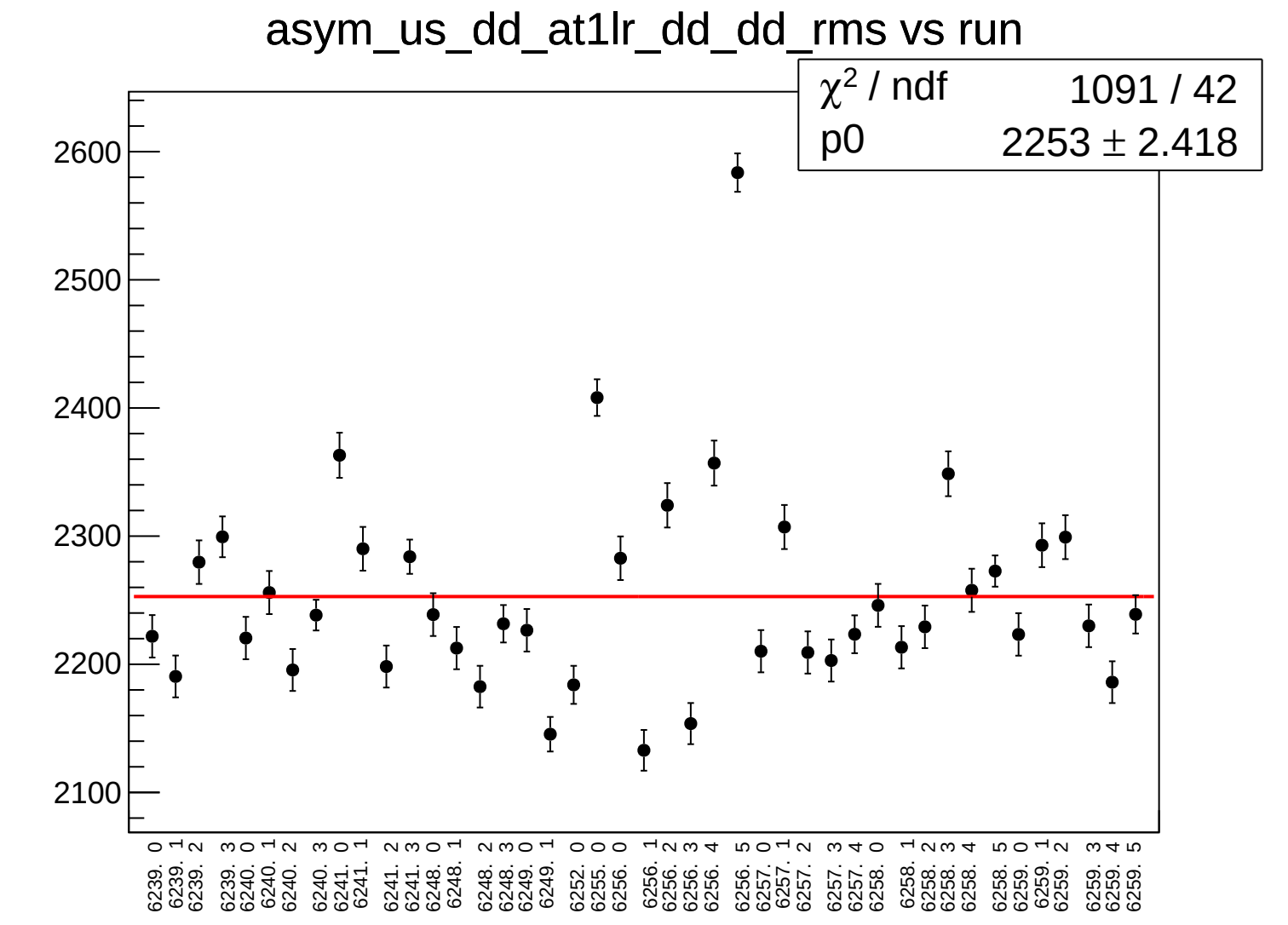

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.15 / 42
p0 −2436 ± 2173
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 92.75
Std Dev 0
3
2
1
0
−1
−2

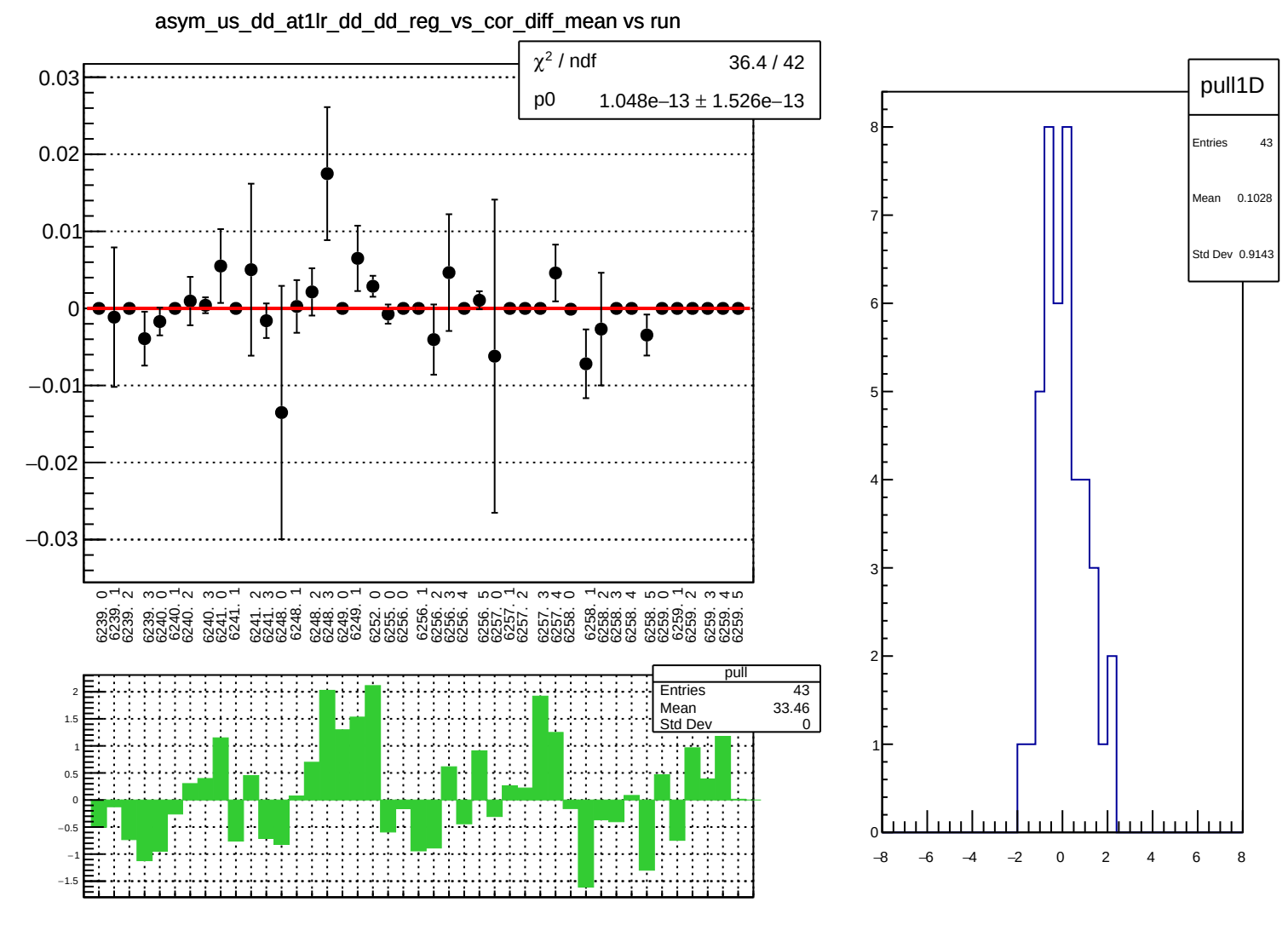

pull1D
Entries 43
Mean −0.04049
Std Dev 0.9654
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

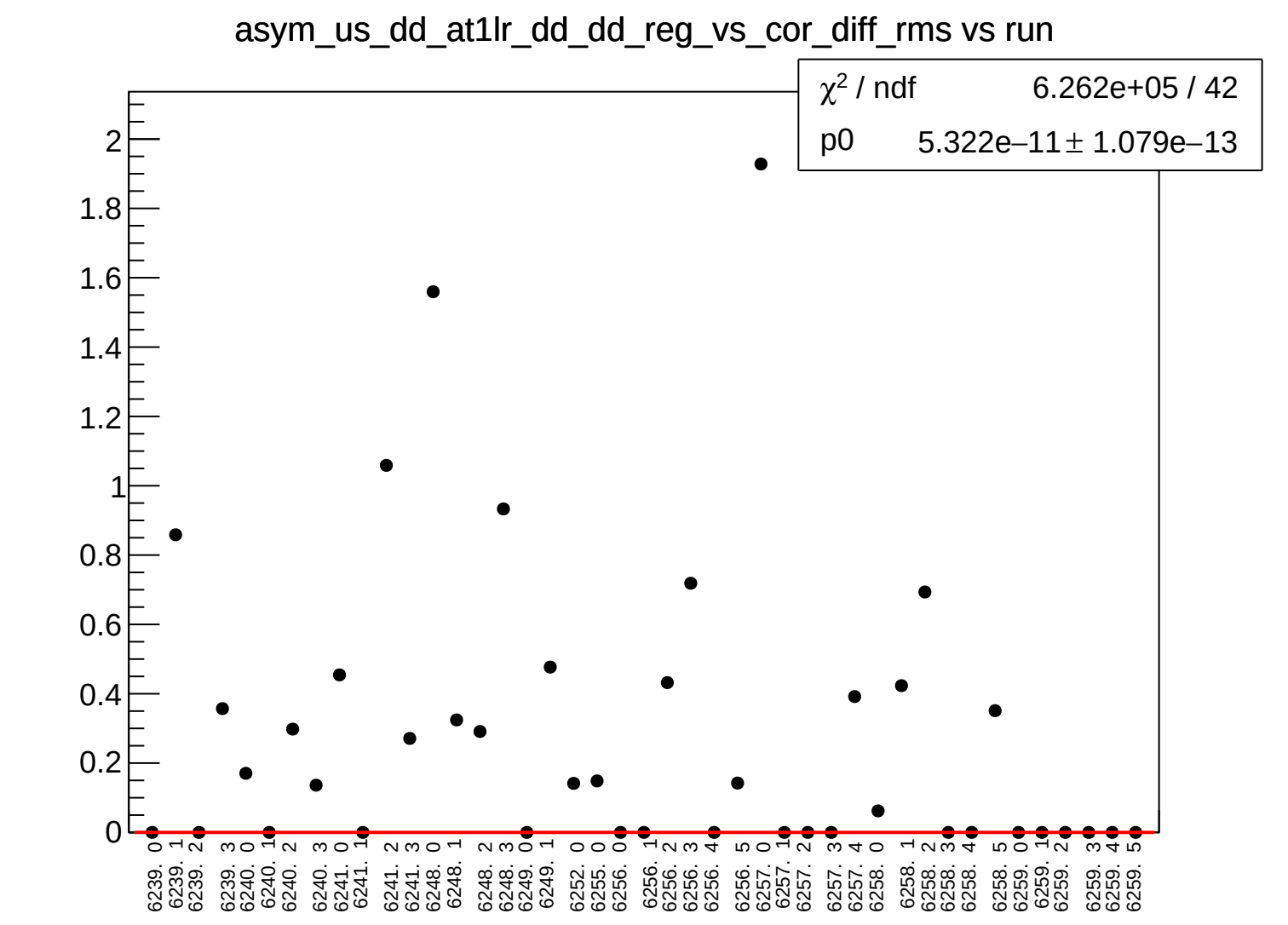

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5440 / 42
p0 1428 ± 1.536
1900
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

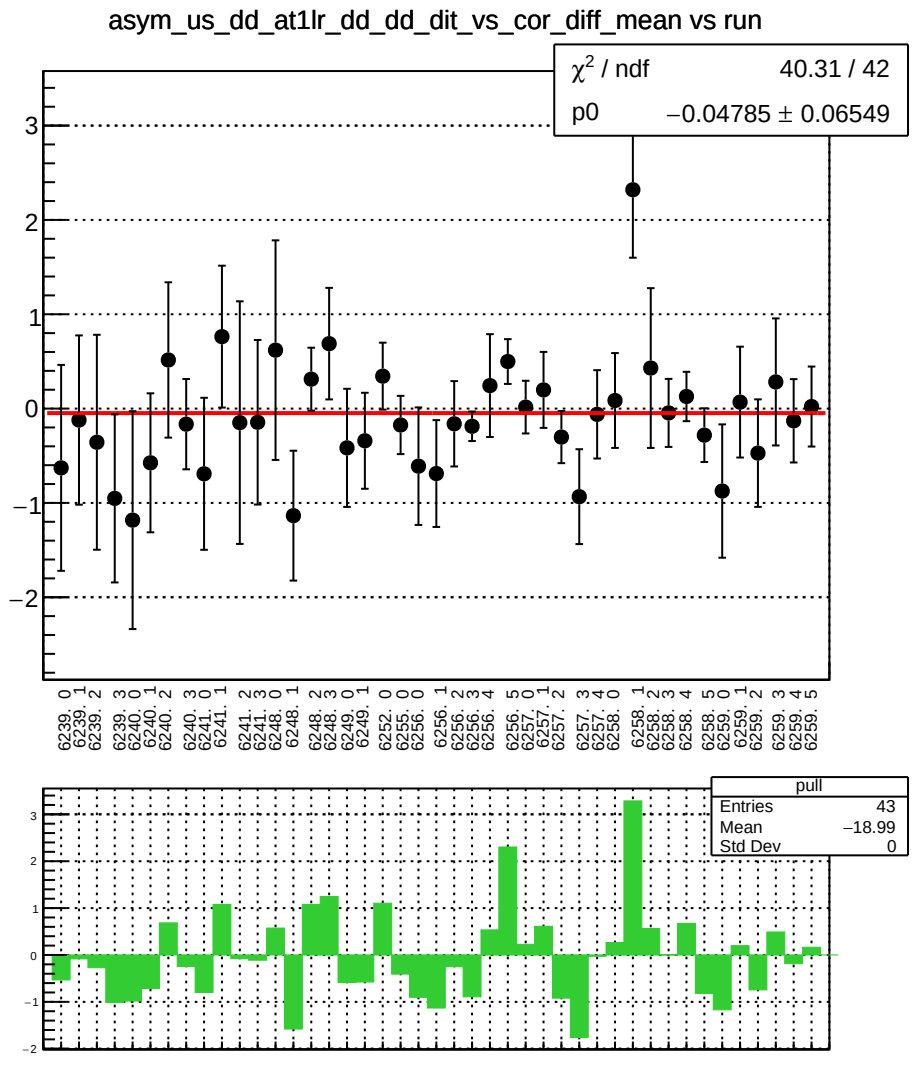

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 57.76 / 42
p0 4522 ± 3419
×10³
pull
Entries 43
Mean 64.97
Std Dev 0

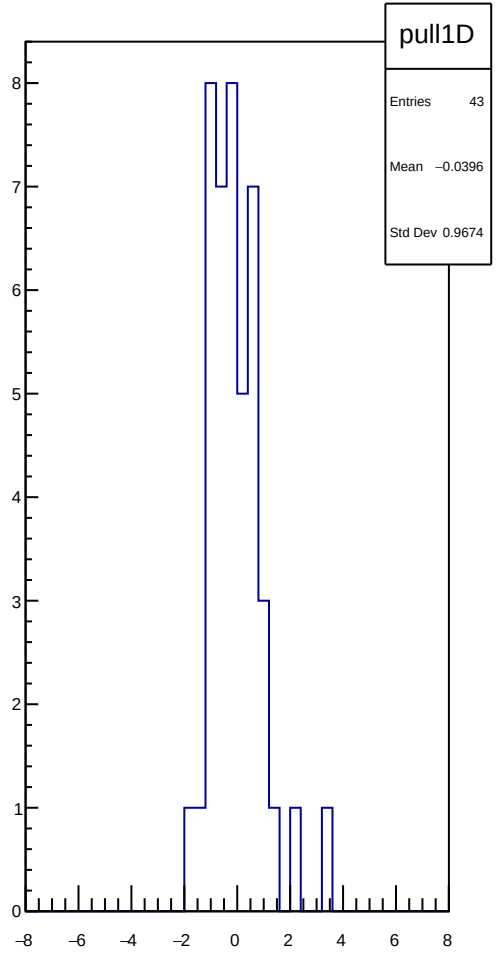

pull1D
Entries 43
Mean 0.02421
Std Dev 1.159

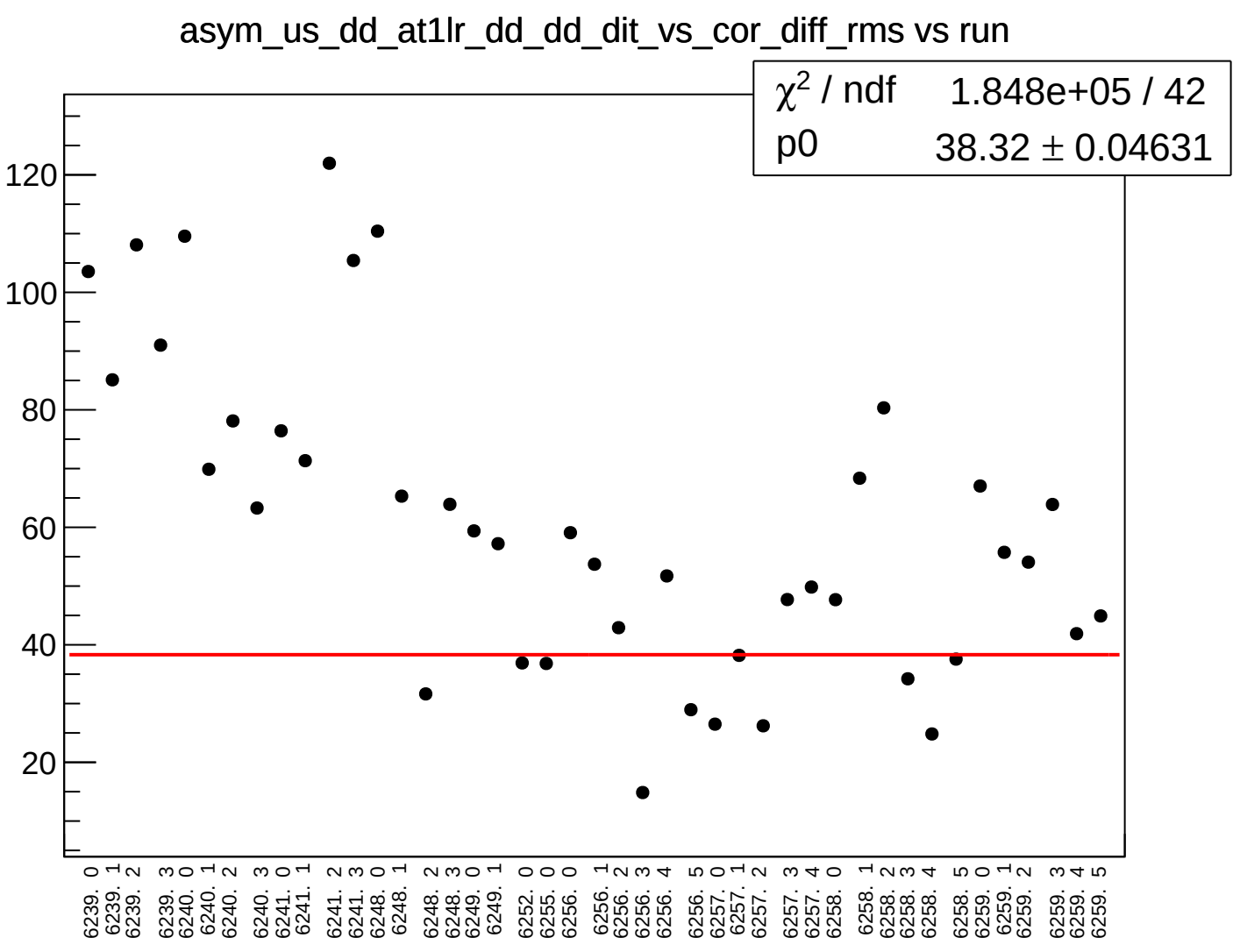

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1091 / 42
p0 2253 ± 2.418
2600
2500
2400
2300
2200
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

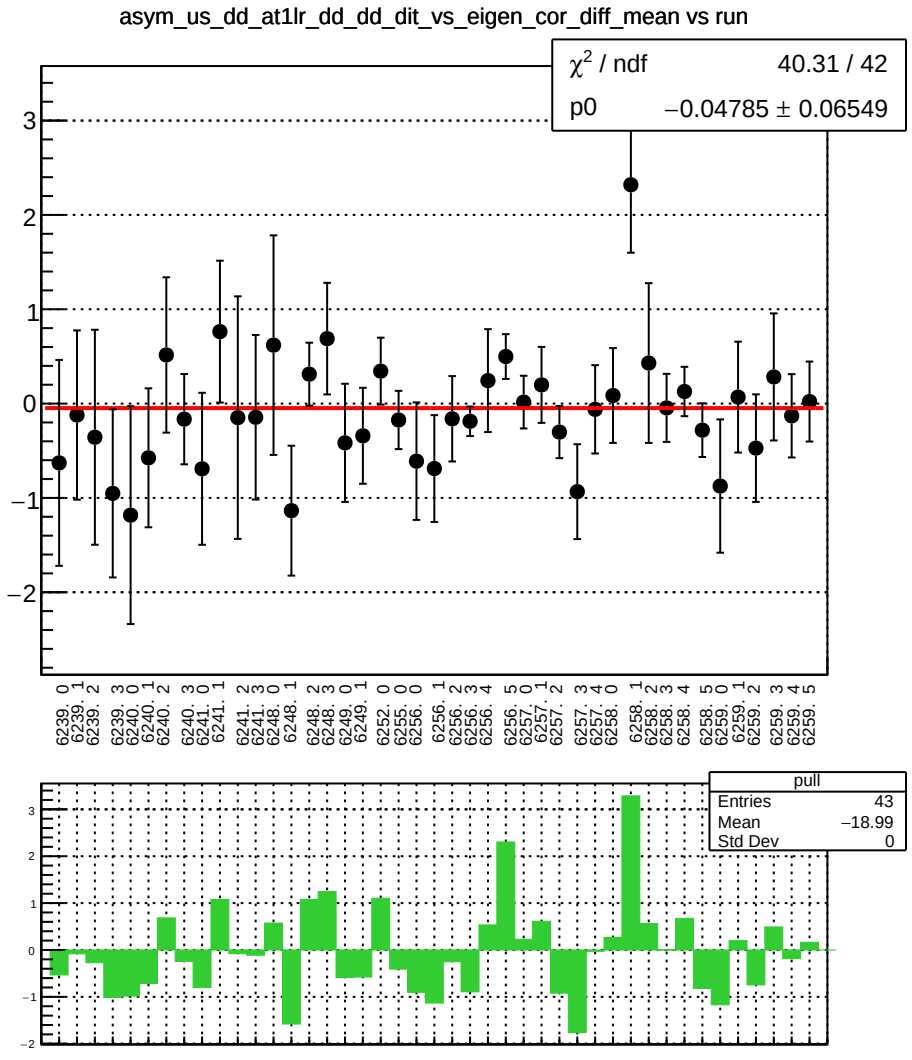

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 36.4 / 42
p0 1.048e−13 ± 1.526e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1028
Std Dev 0.9143
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

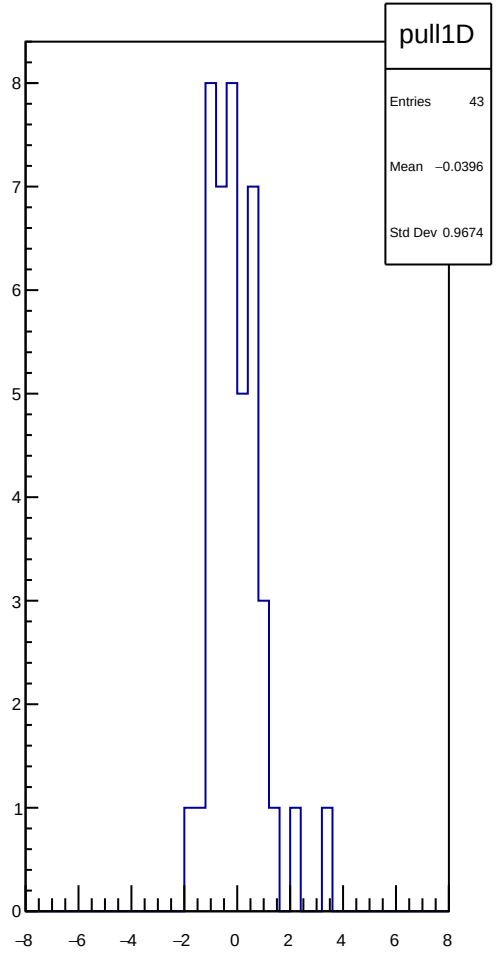

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.262e+05 / 42
p0 5.322e−11 ± 1.079e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

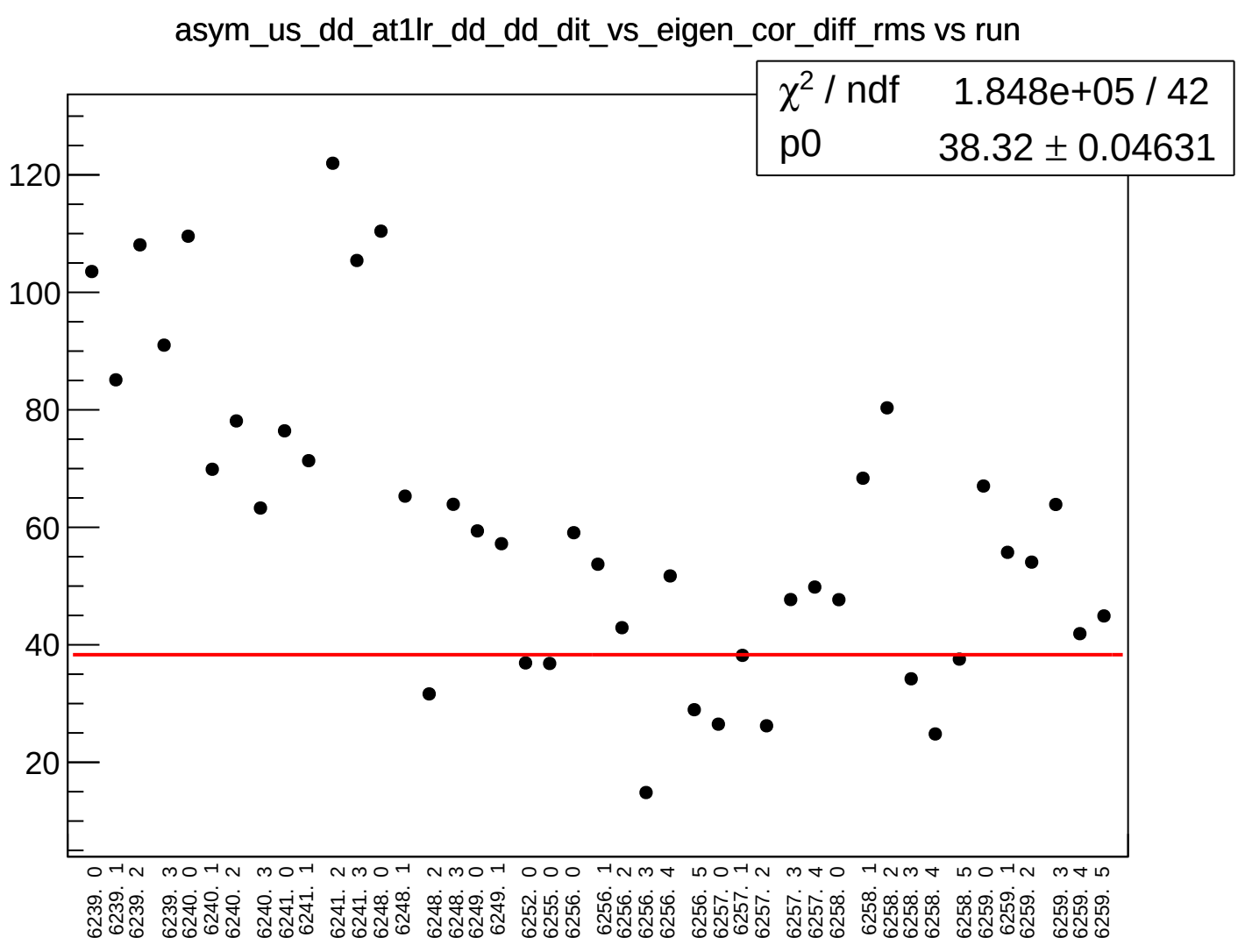

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 40.31 / 42
p0 −0.04785 ± 0.06549
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −18.99
Std Dev 0

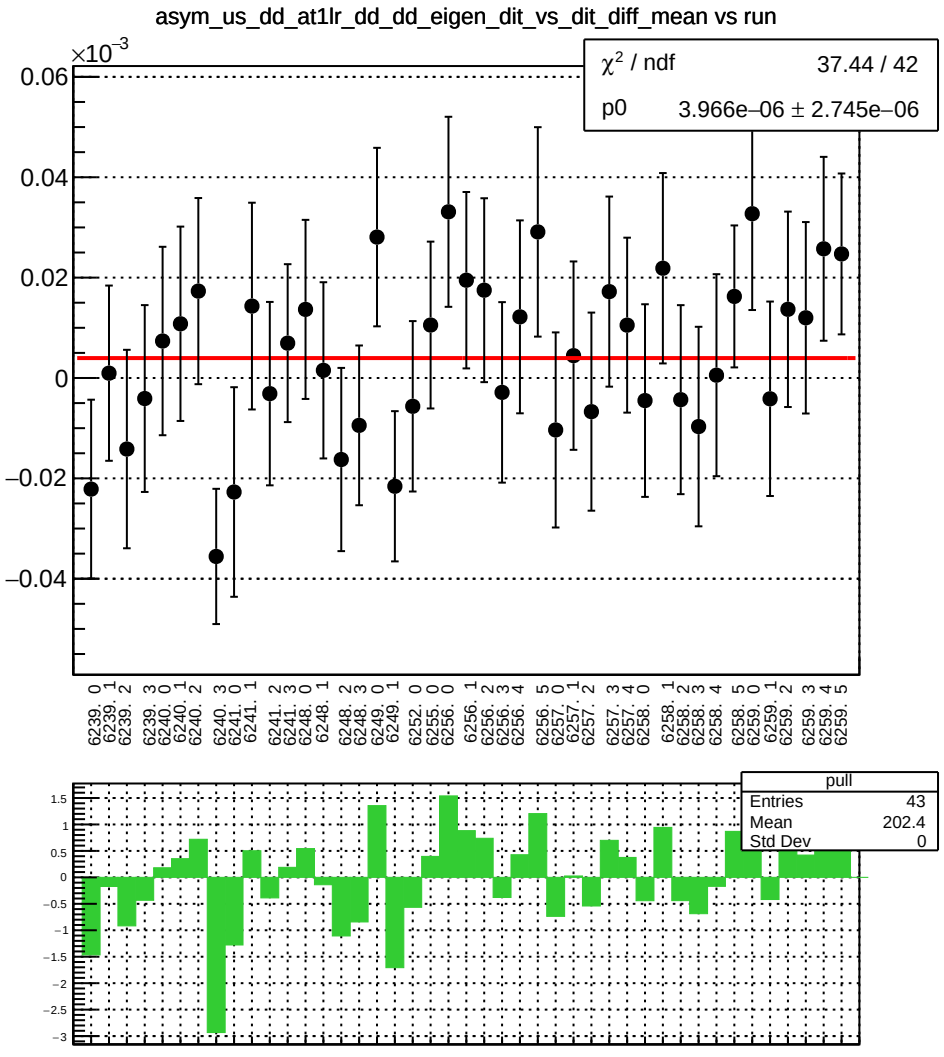

pull1D
Entries 43
Mean −0.0396
Std Dev 0.9674

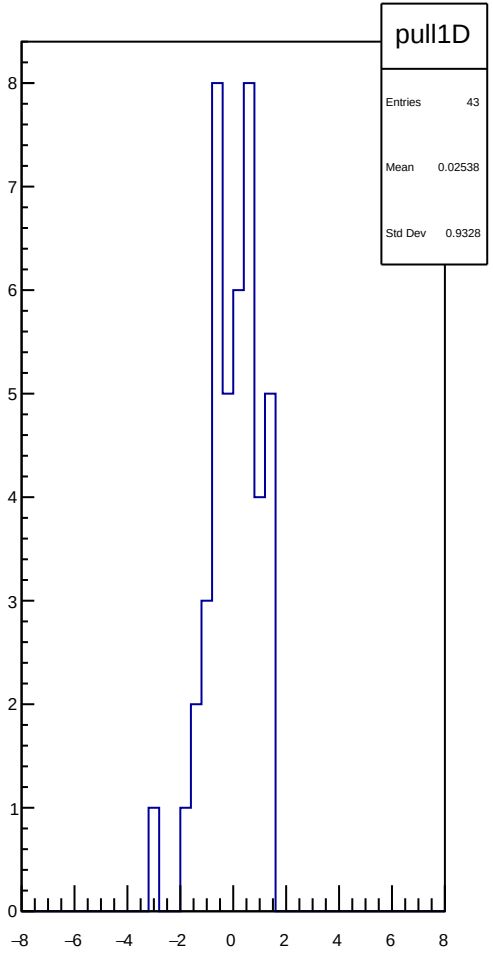

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.848e+05 / 42
p0 38.32 ± 0.04631
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

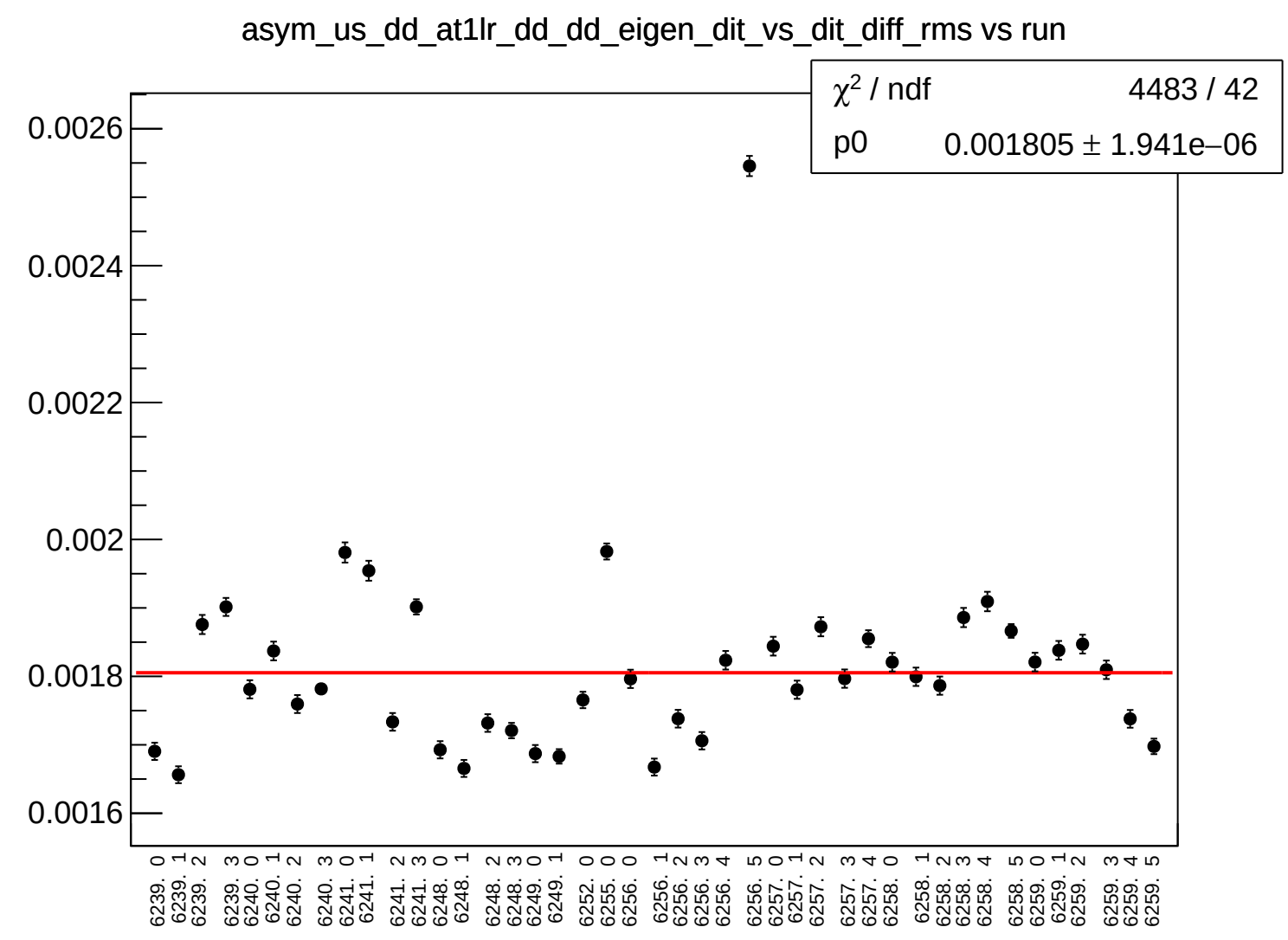

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.31 / 42
p0 −0.04785 ± 0.06549
pull
Entries 43
Mean −18.99
Std Dev 0

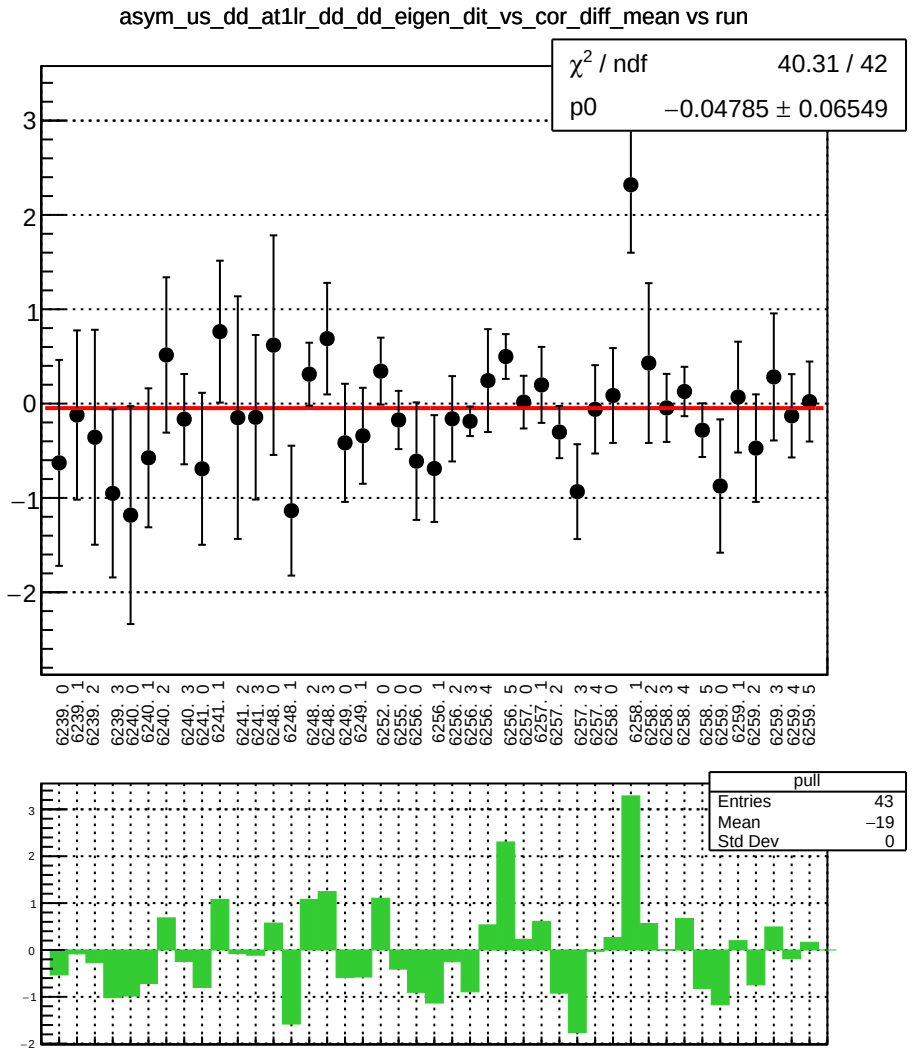

pull1D
Entries 43
Mean −0.0396
Std Dev 0.9674

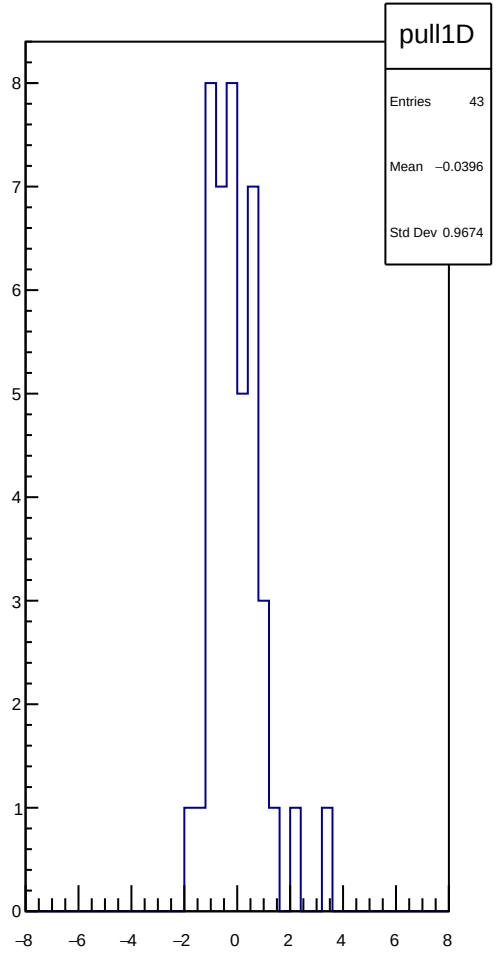

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.848e+05 / 42
p0 38.32 ± 0.04631
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

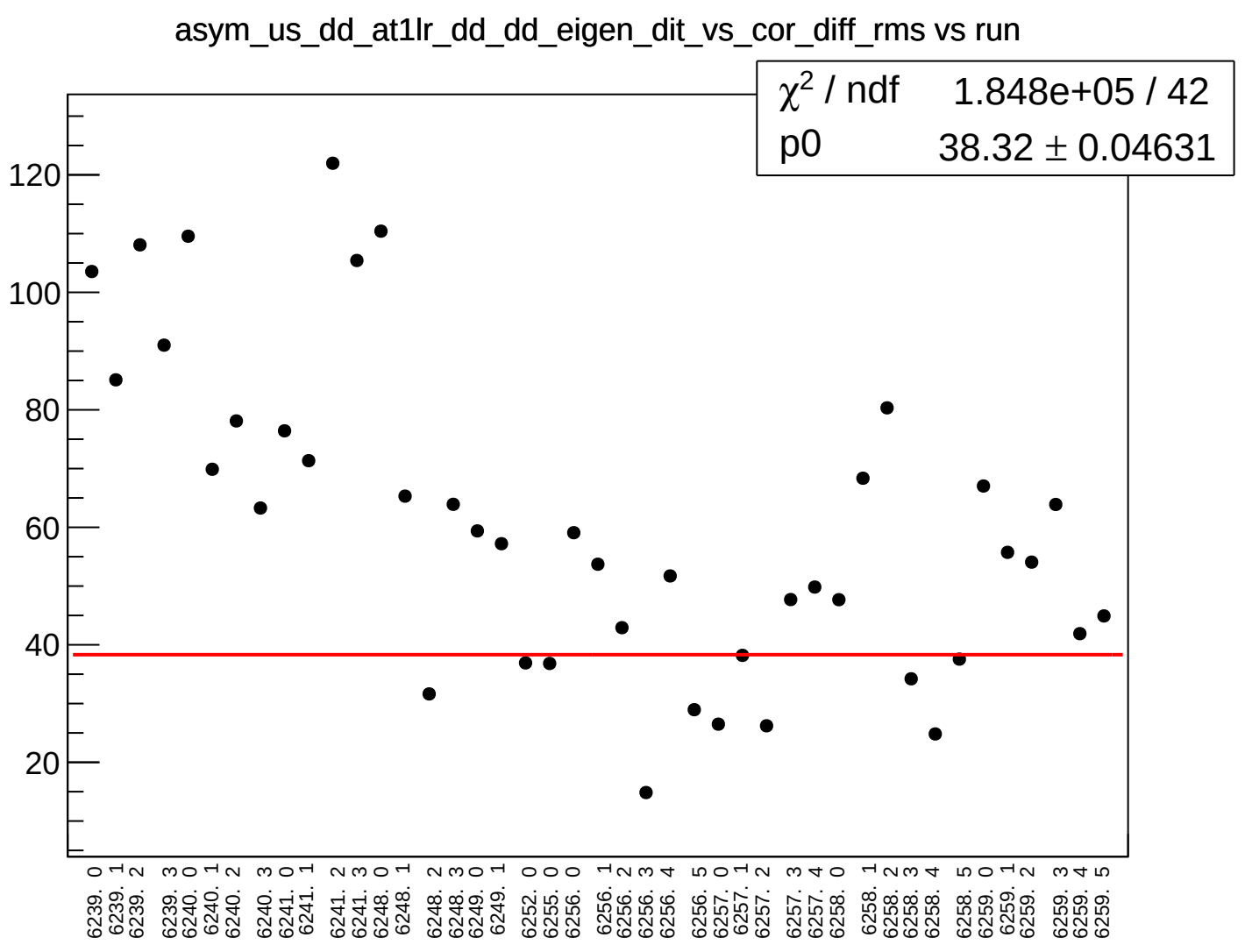

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.44 / 42
p0 3.966e−06 ± 2.745e−06
0.06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 202.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

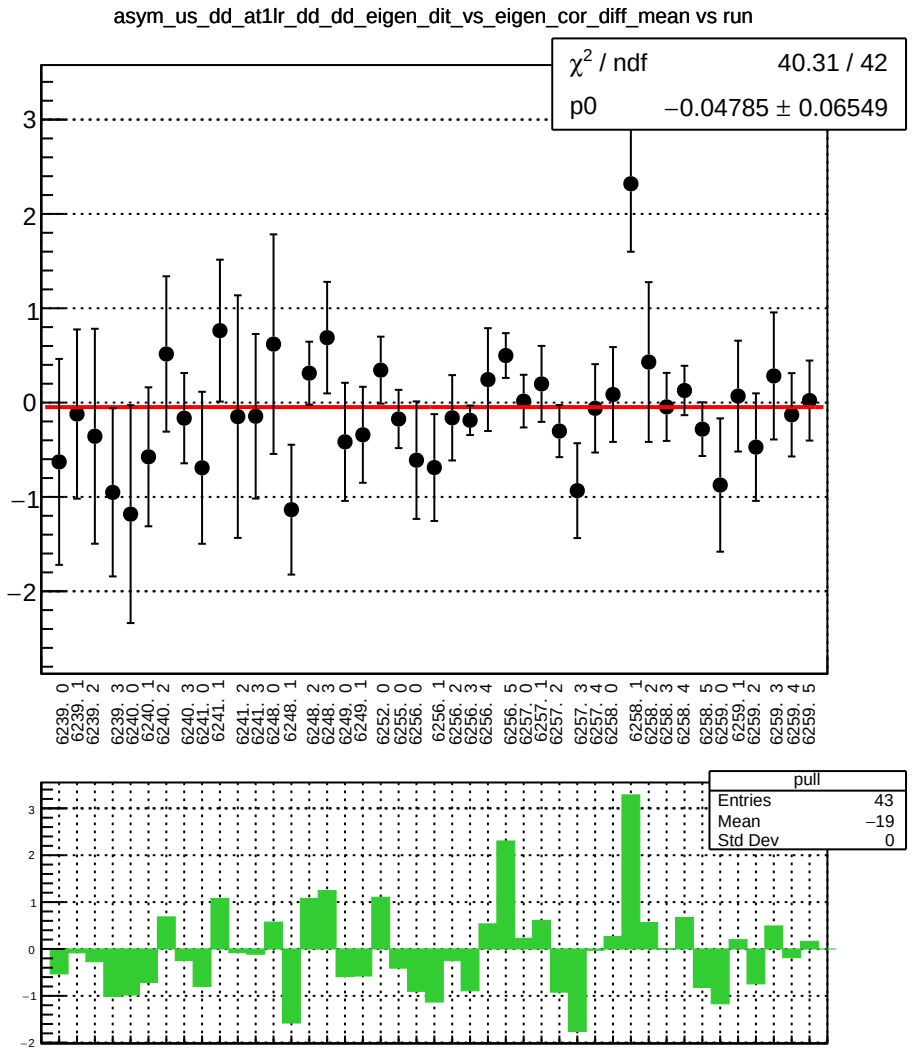

pull1D
Entries 43
Mean 0.02538
Std Dev 0.9328
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

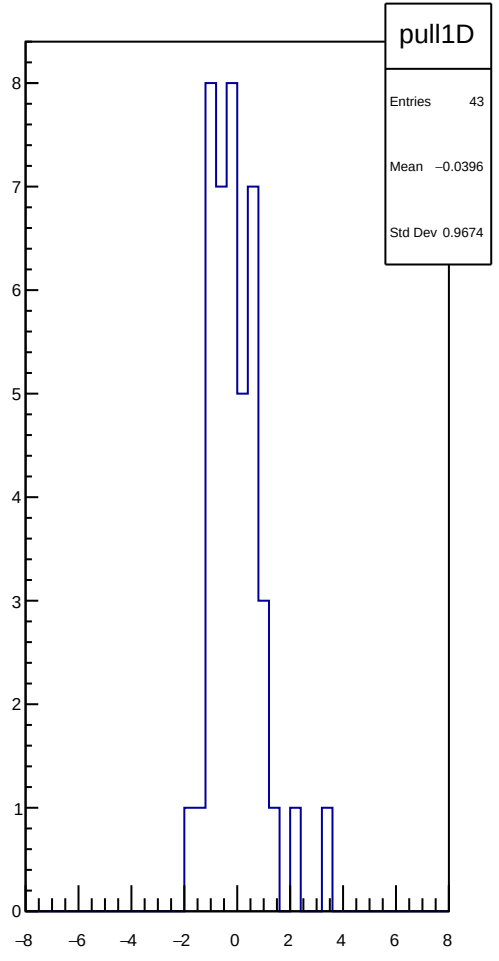

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4483 / 42
p0 0.001805 ± 1.941e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

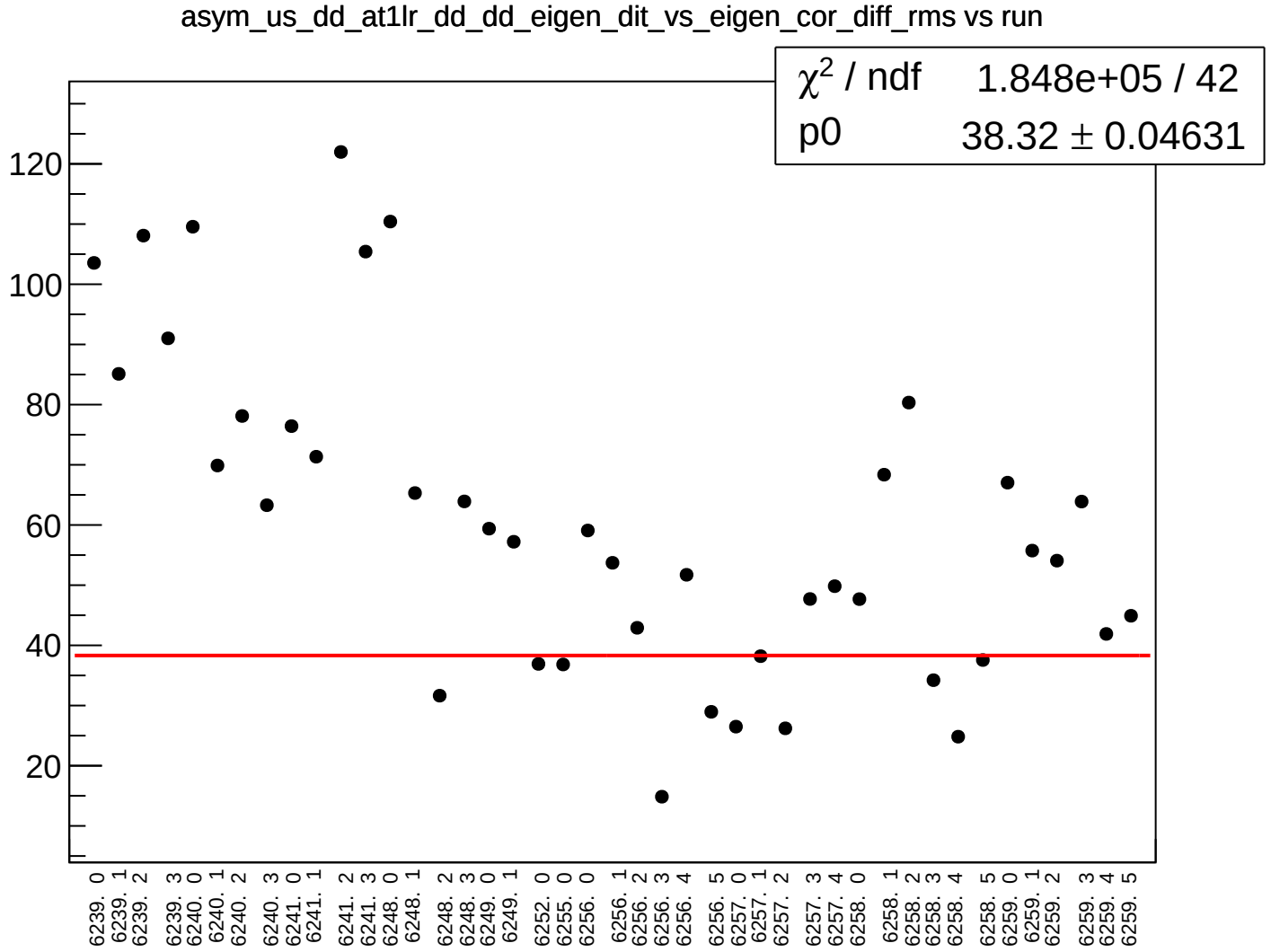

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.31 / 42
p0 −0.04785 ± 0.06549
pull
Entries 43
Mean −19
Std Dev 0

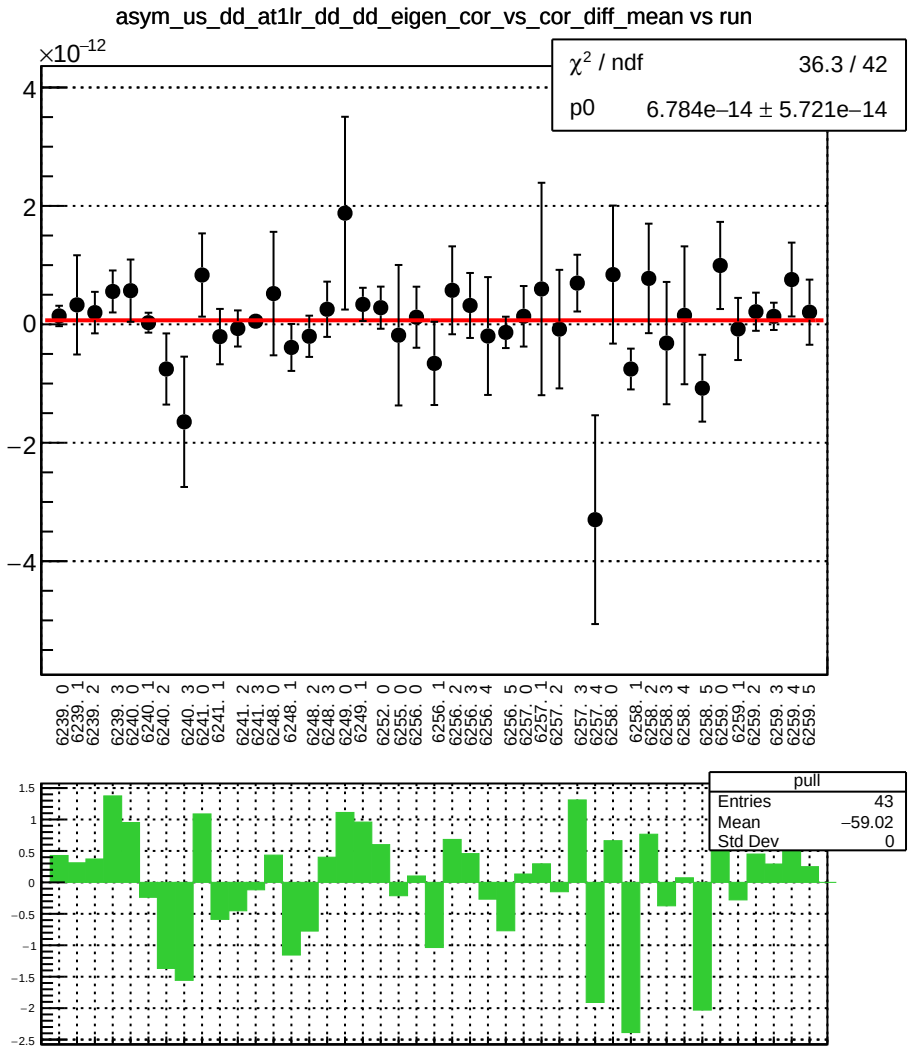

pull1D
Entries 43
Mean −0.0396
Std Dev 0.9674

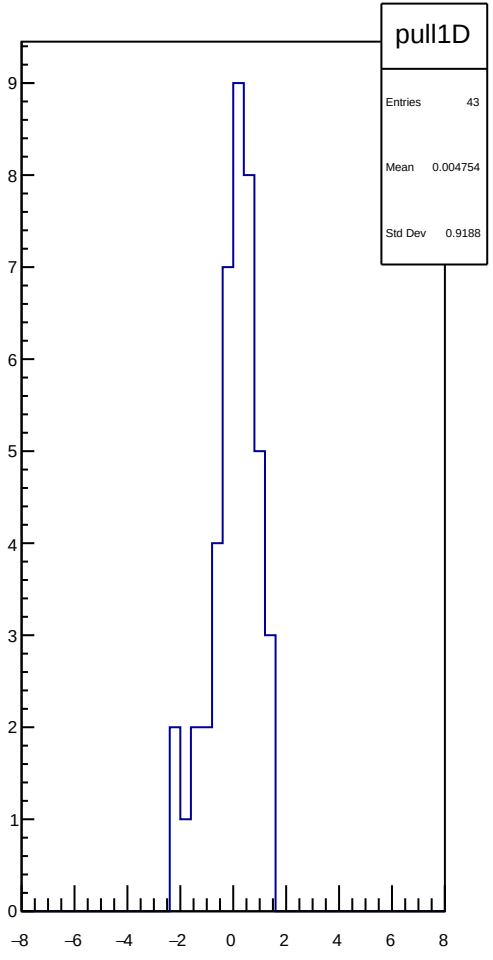

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.848e+05 / 42
p0 38.32 ± 0.04631
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

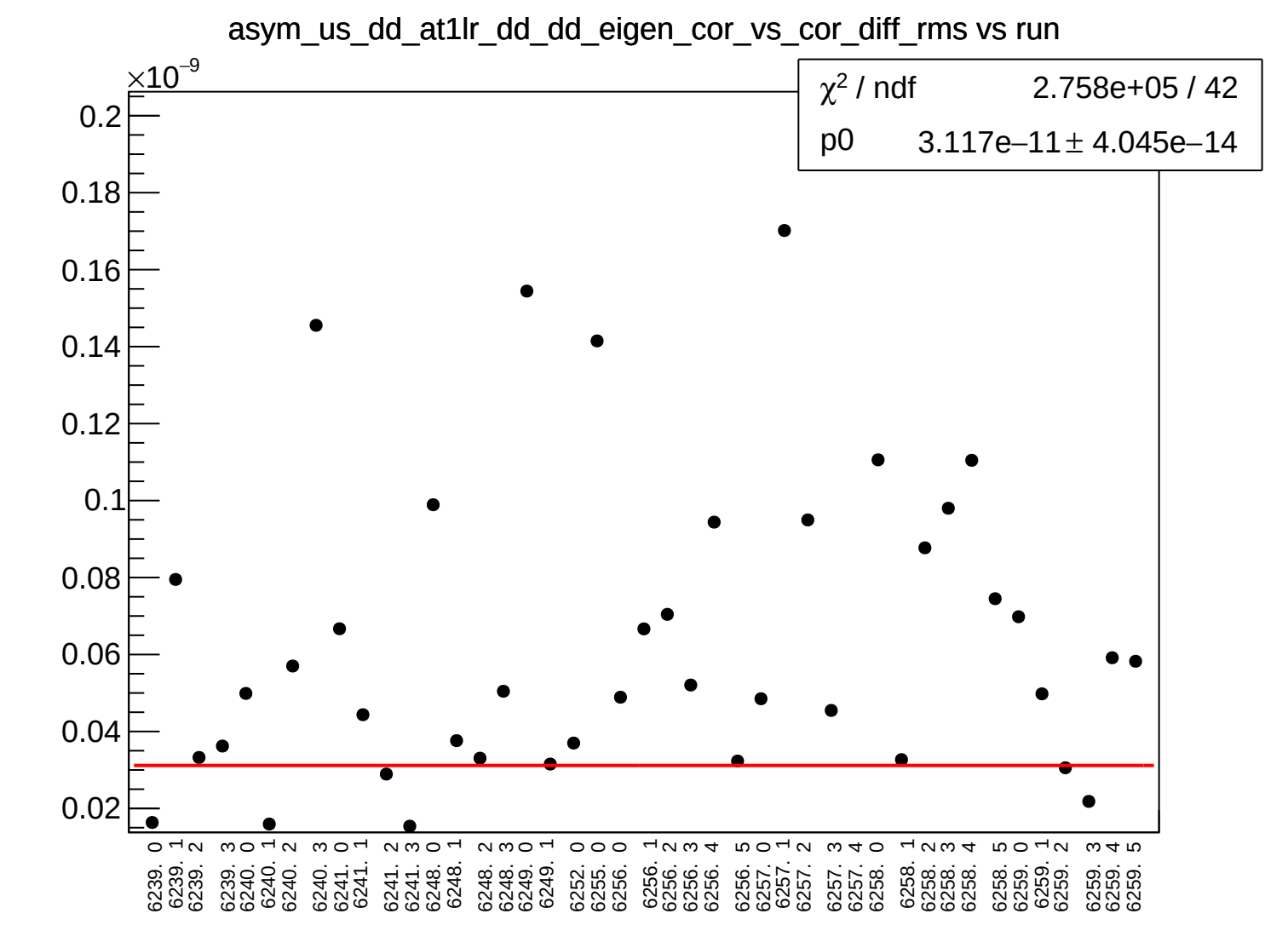

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.31 / 42
p0 −0.04785 ± 0.06549
pull
Entries 43
Mean −19
Std Dev 0

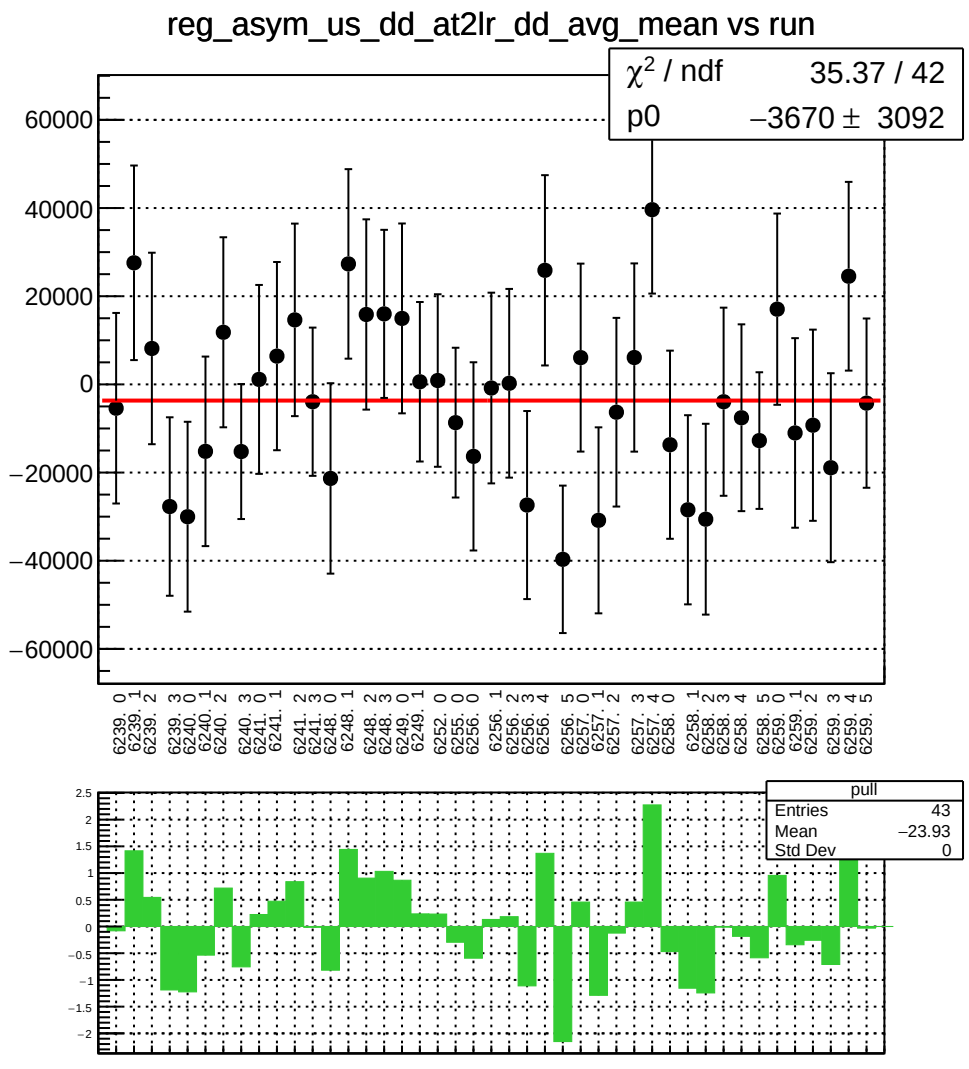

pull1D
Entries 43
Mean −0.0396
Std Dev 0.9674

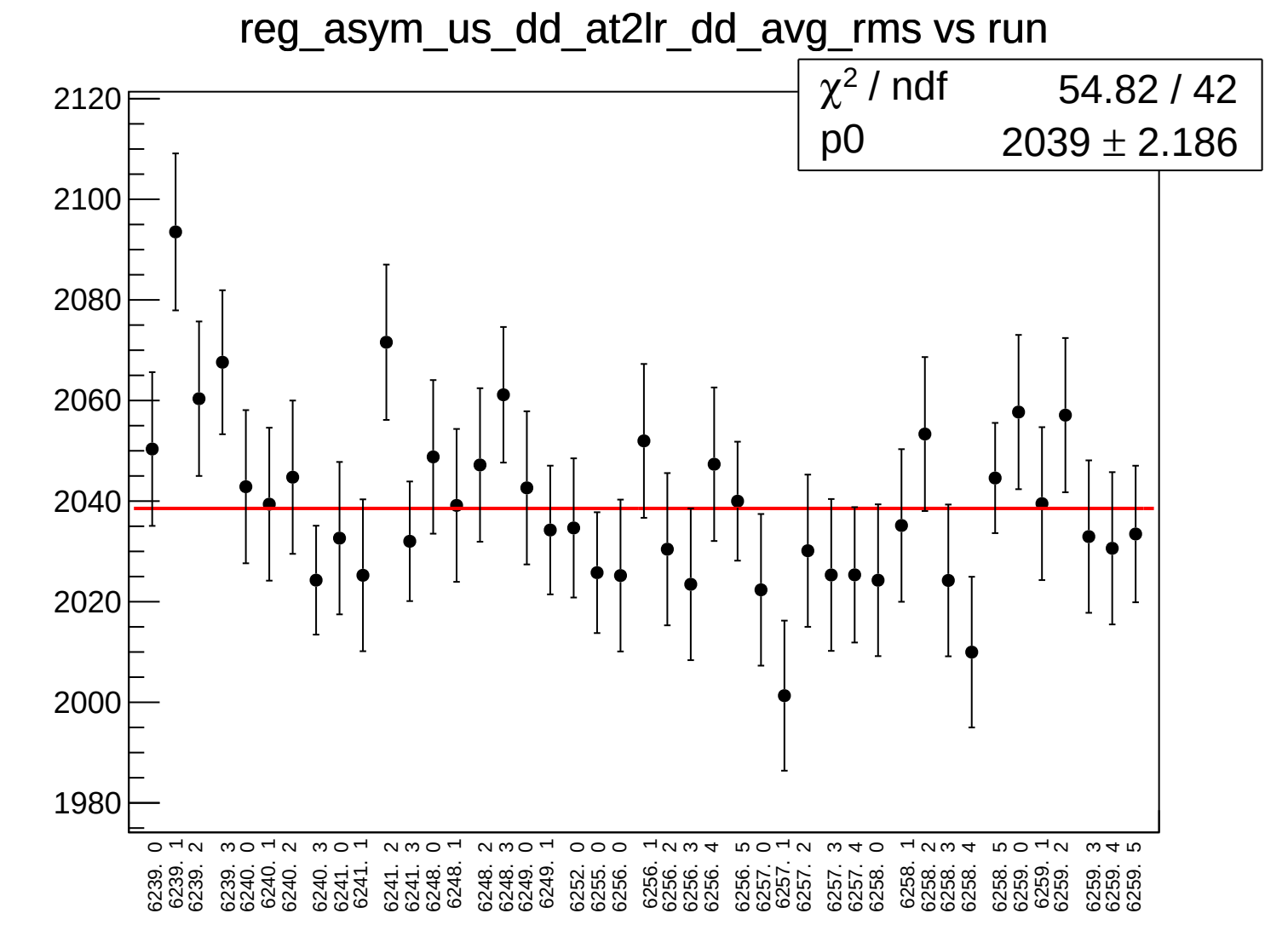

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.848e+05 / 42
p0 38.32 ± 0.04631
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.3 / 42
p0 6.784e−14 ± 5.721e−14
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −59.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

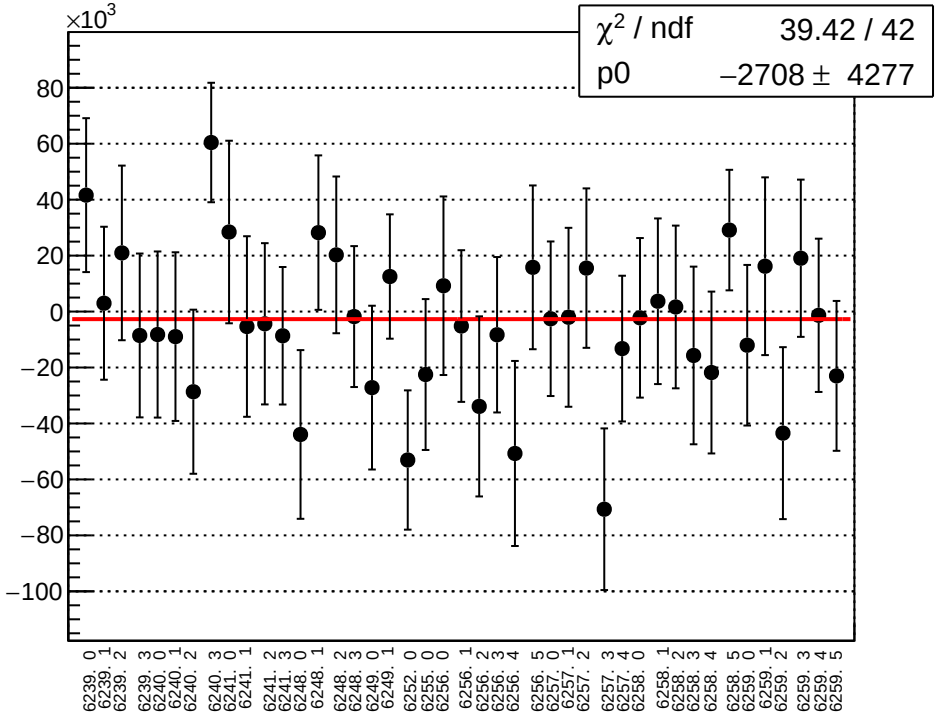

pull1D
Entries 43
Mean 0.004754
Std Dev 0.9188
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

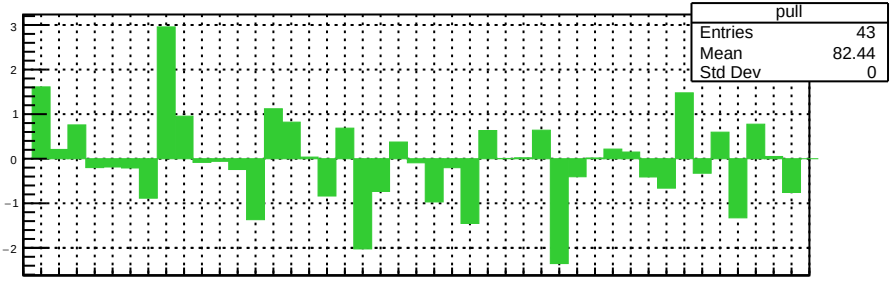

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.758e+05 / 42
p0 3.117e−11 ± 4.045e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

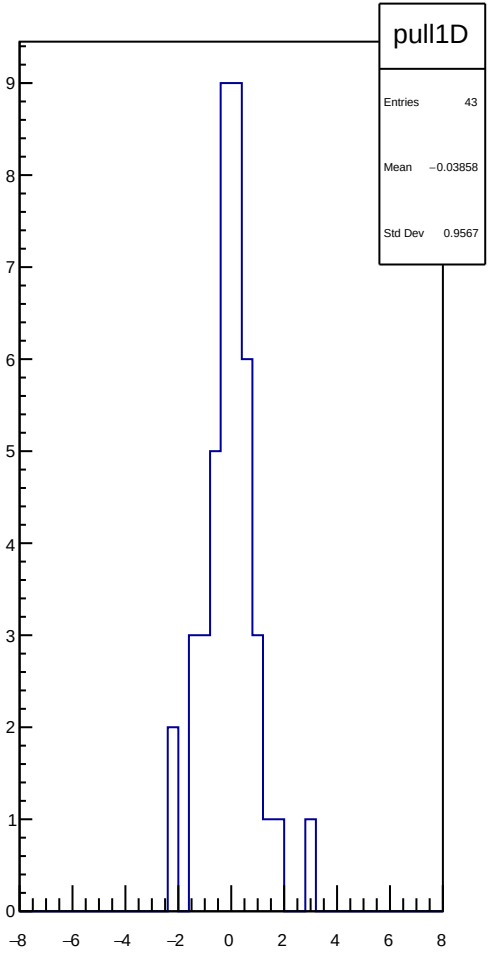

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 35.37 / 42
p0 −3670 ± 3092
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −23.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02102
Std Dev 0.9068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

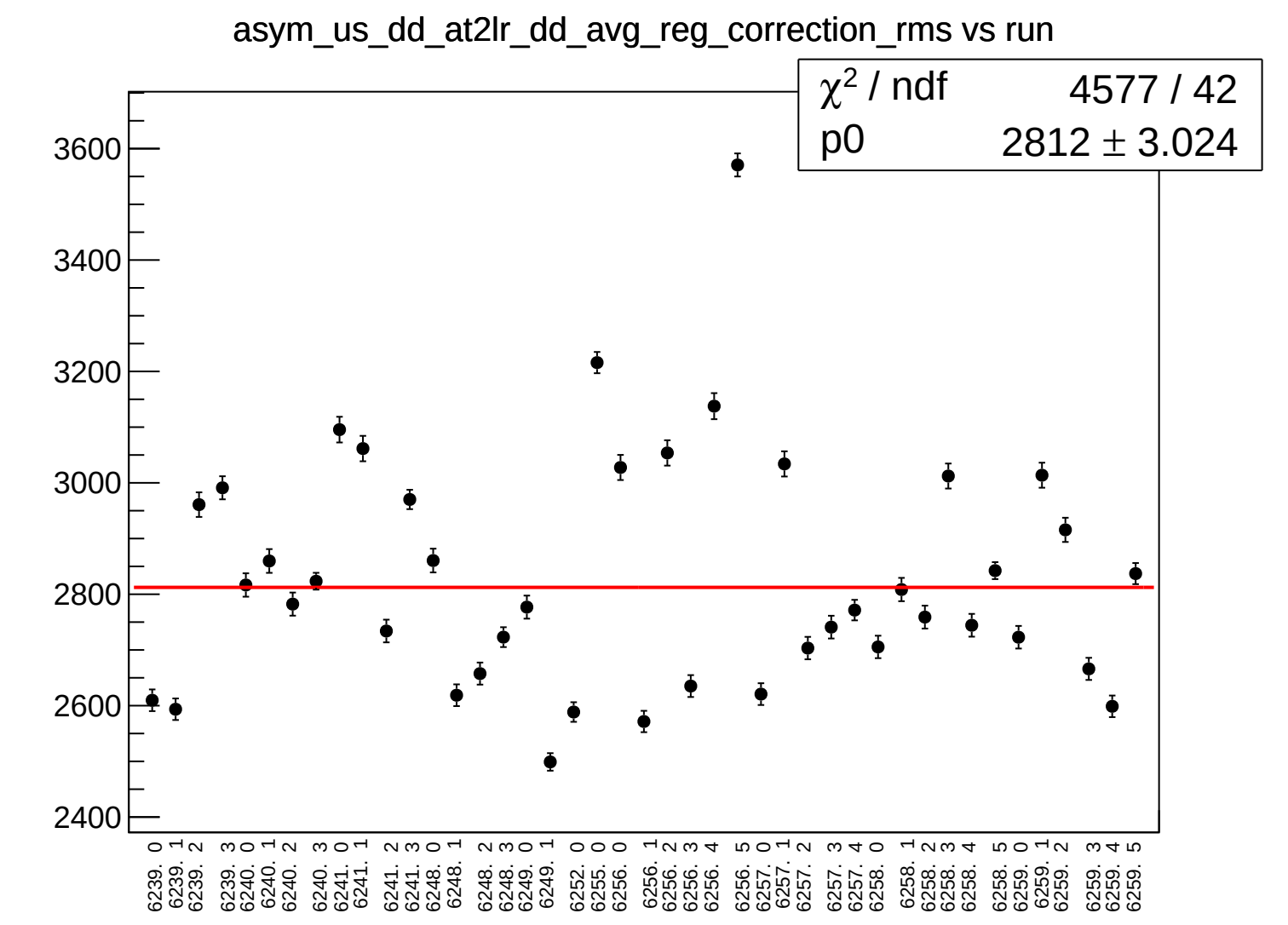

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 54.82 / 42
p0 2039 ± 2.186
2120
2100
2080
2060
2040
2020
2000
1980
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

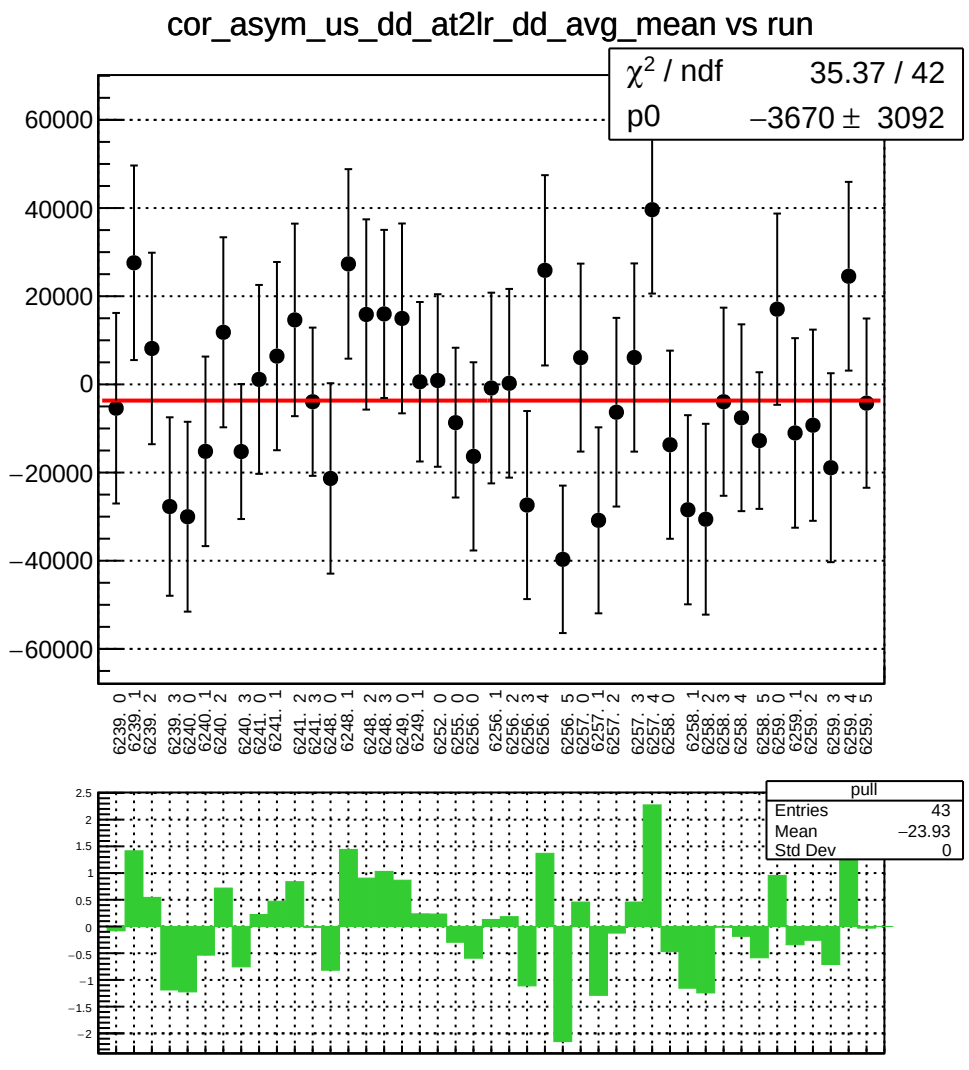
asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run

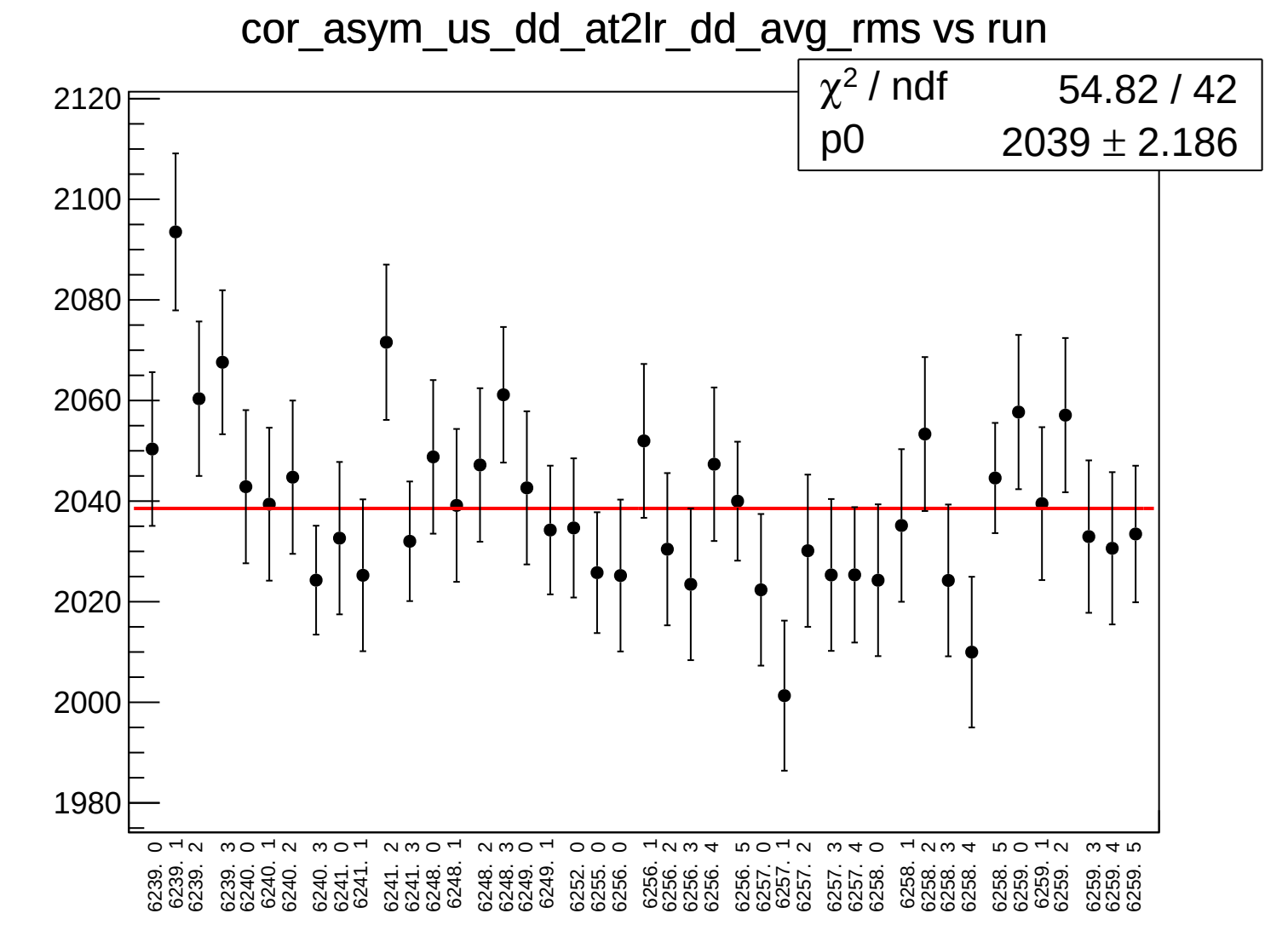


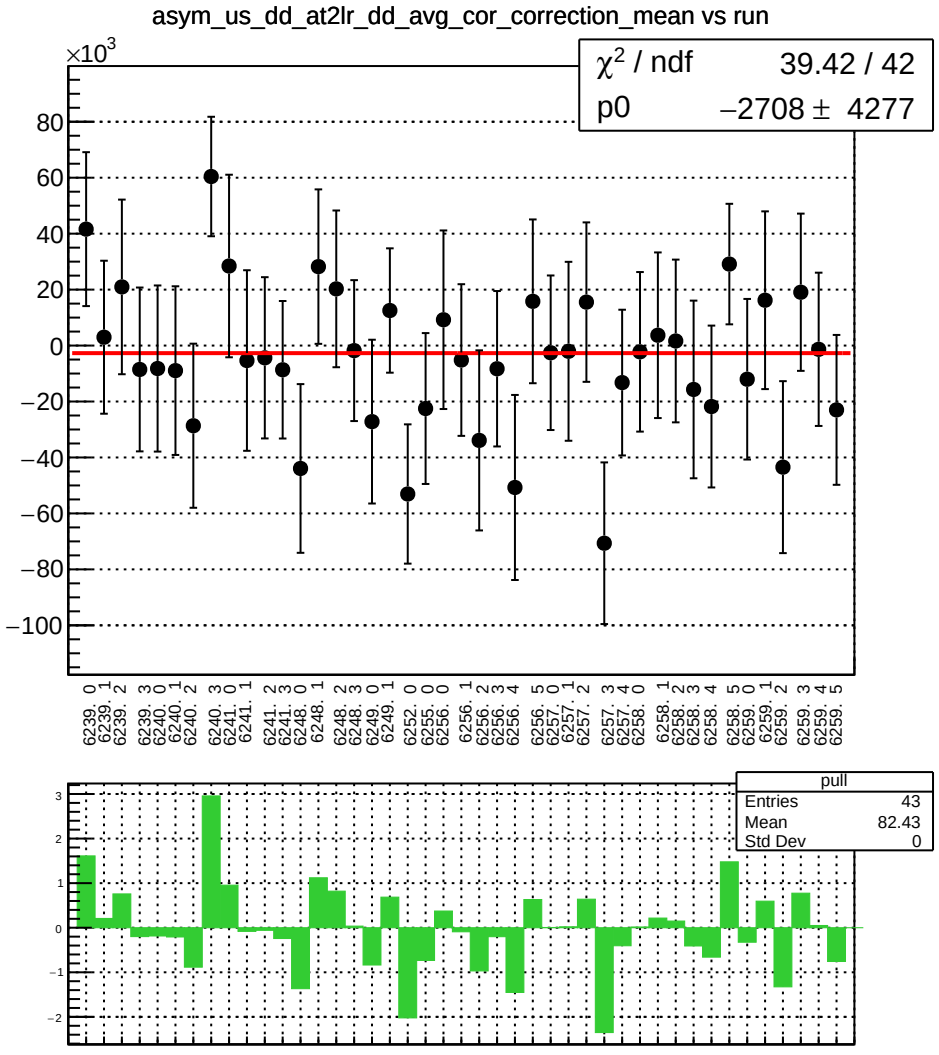



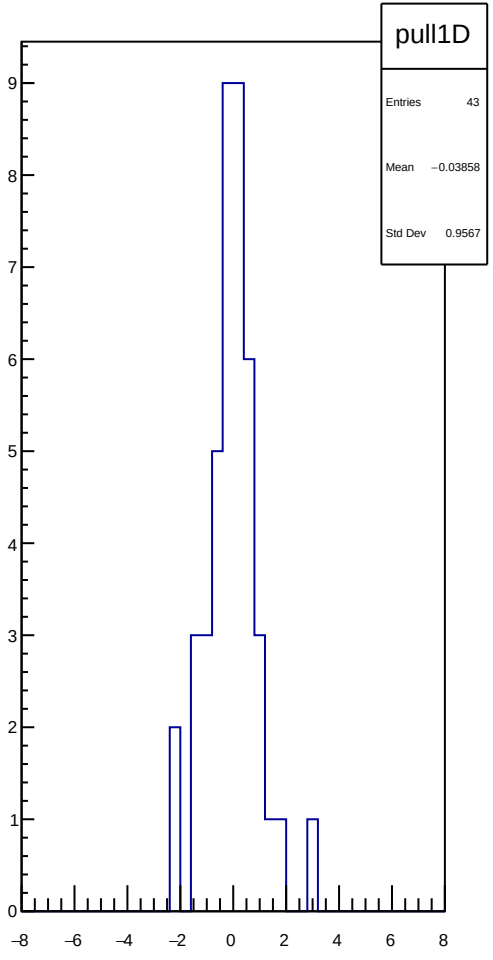



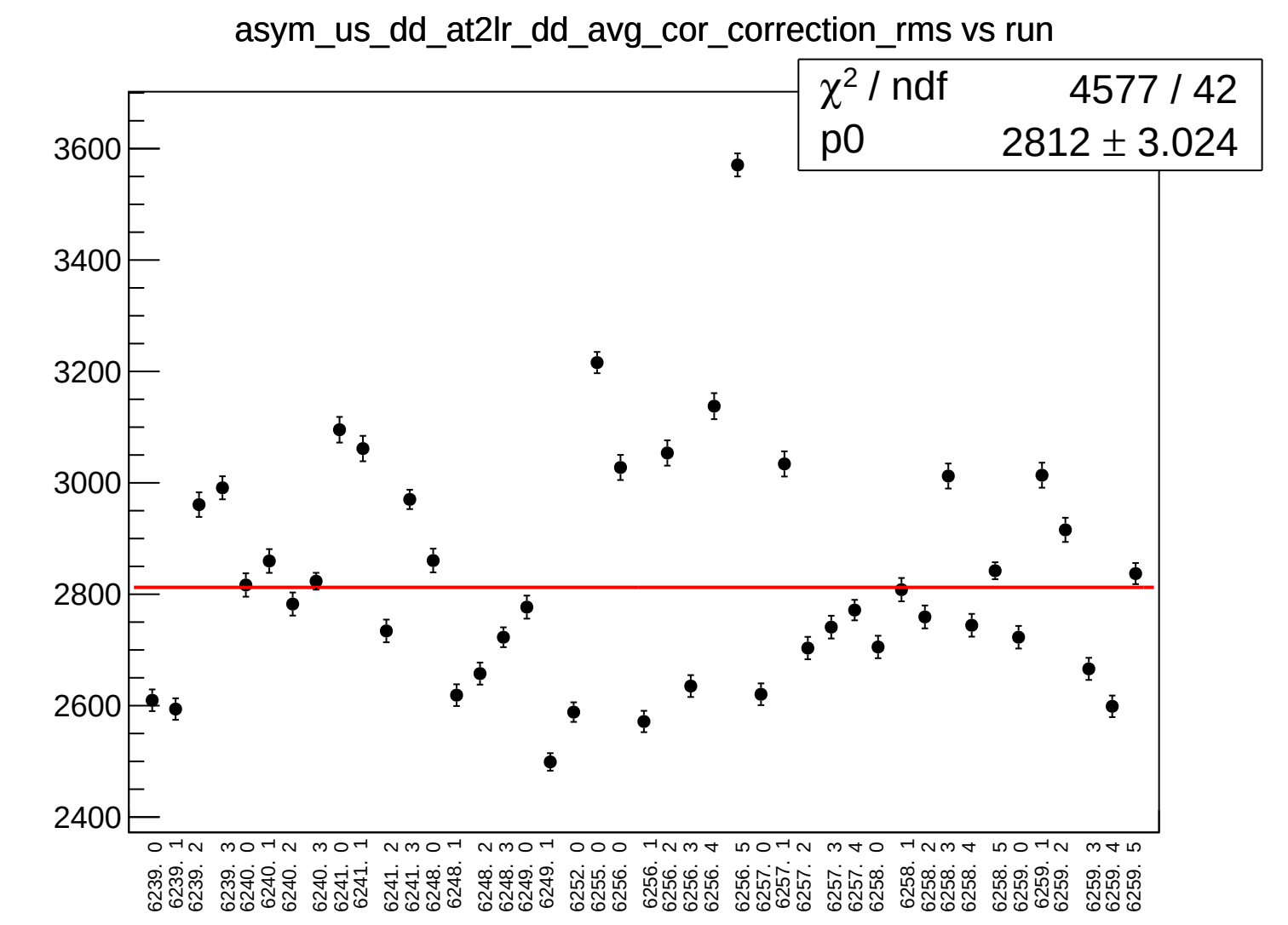

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 4577 / 42
p0 2812 ± 3.024
3600
3400
3200
3000
2800
2600
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

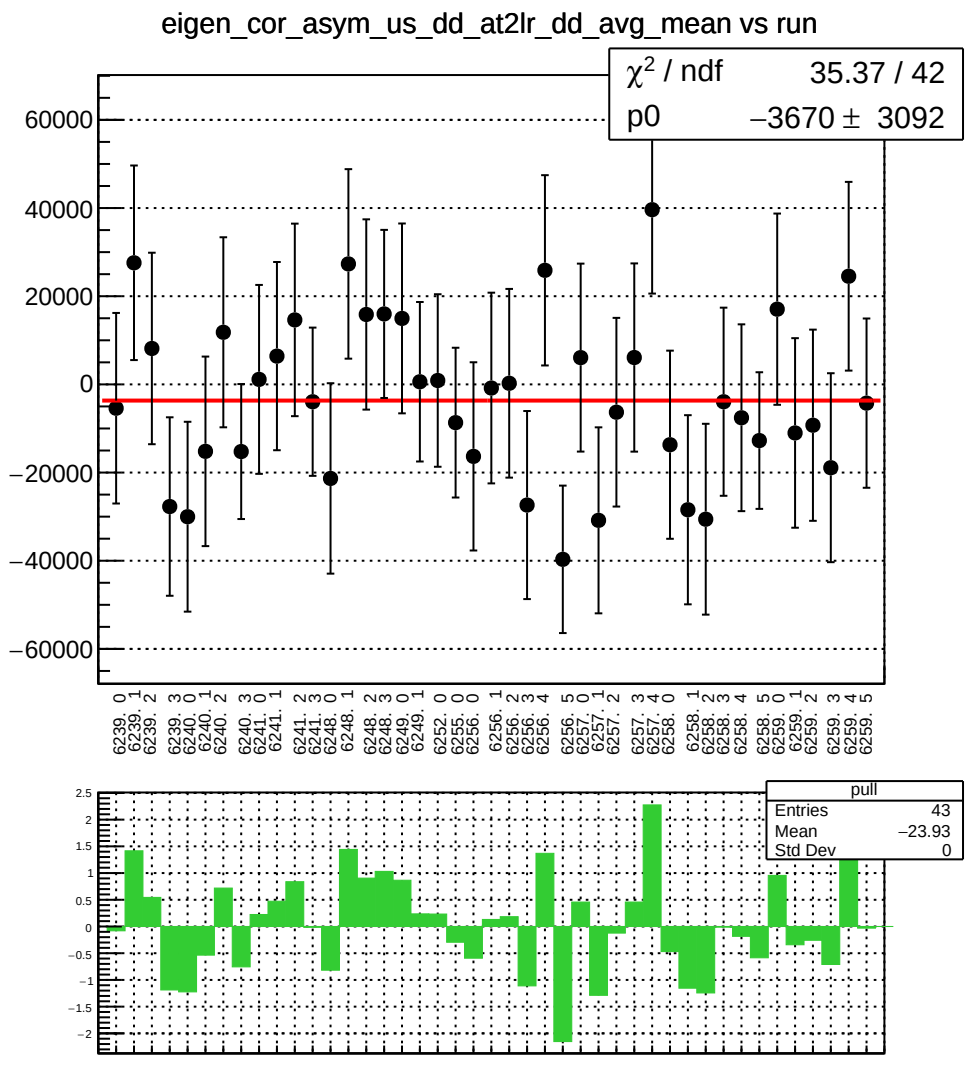

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 35.37 / 42
p0 −3670 ± 3092
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −23.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02101
Std Dev 0.9067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

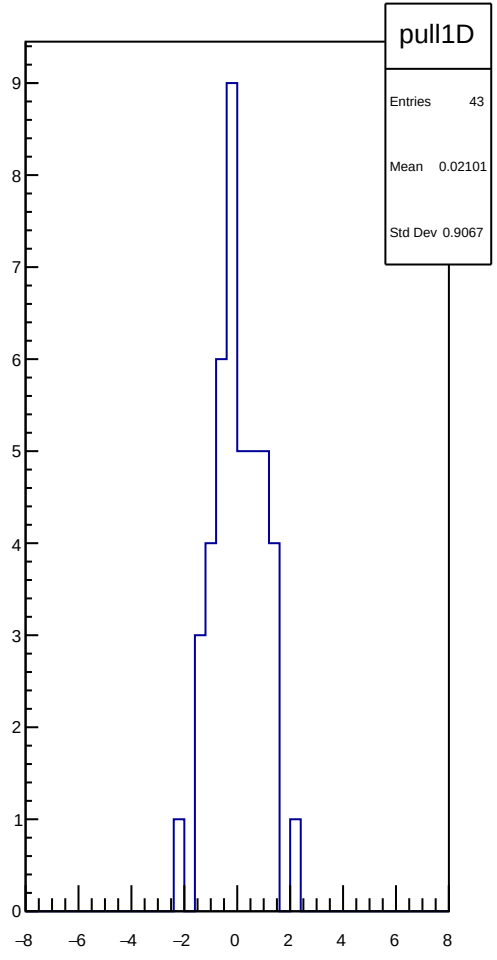

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 54.82 / 42
p0 2039 ± 2.186
2120
2100
2080
2060
2040
2020
2000
1980
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

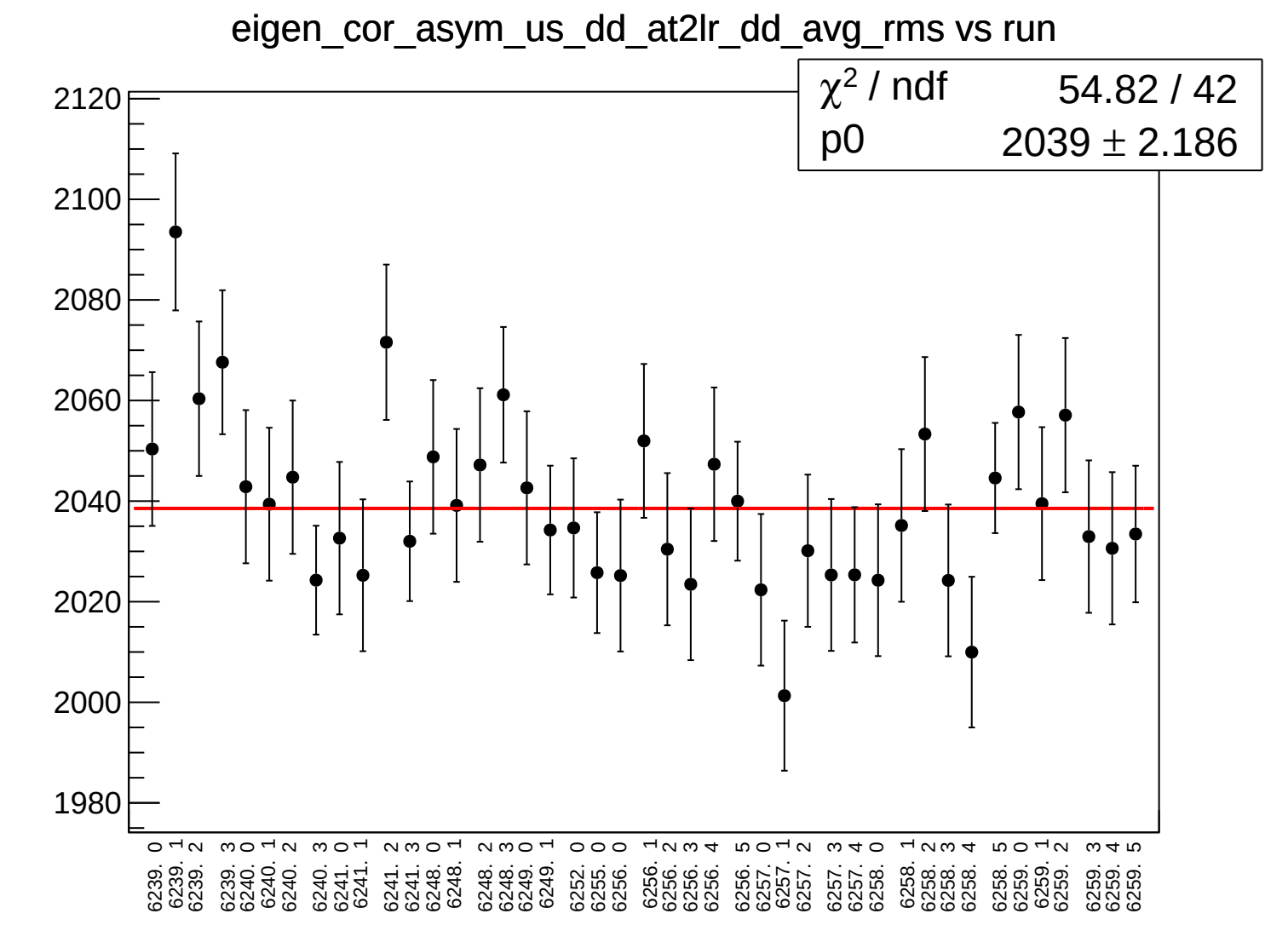

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 39.42 / 42
p0 −2708 ± 4277
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.43
Std Dev 0
3
2
1
0
−1
−2

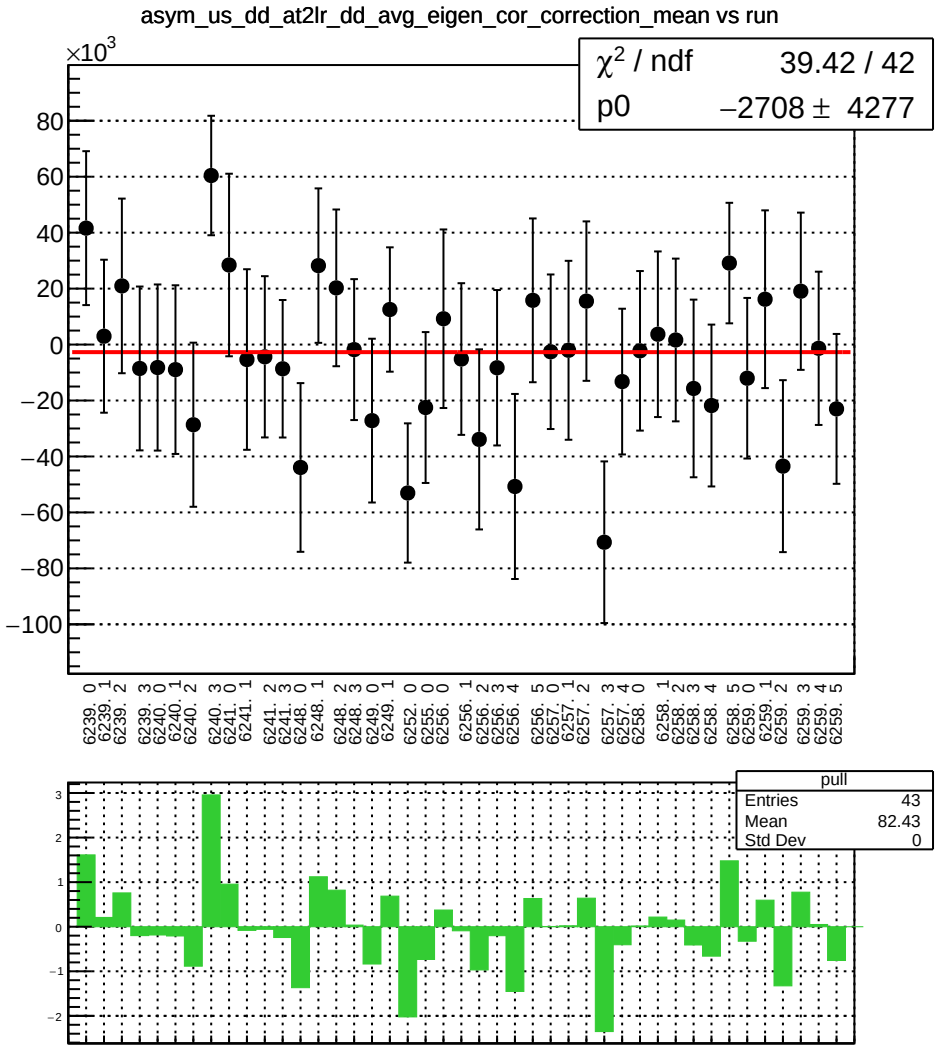

pull1D
Entries 43
Mean −0.03858
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

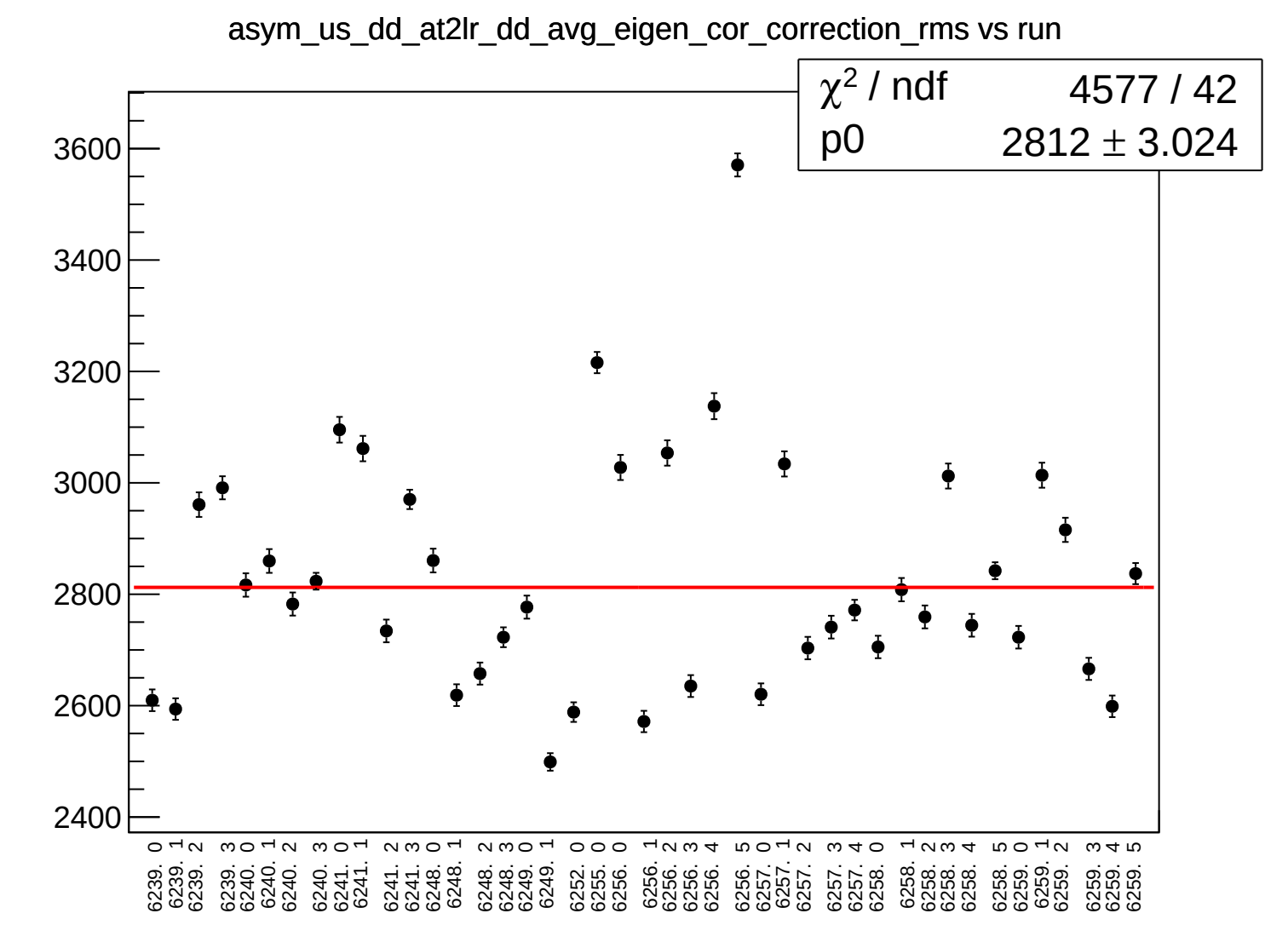

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 4577 / 42
p0 2812 ± 3.024
3600
3400
3200
3000
2800
2600
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

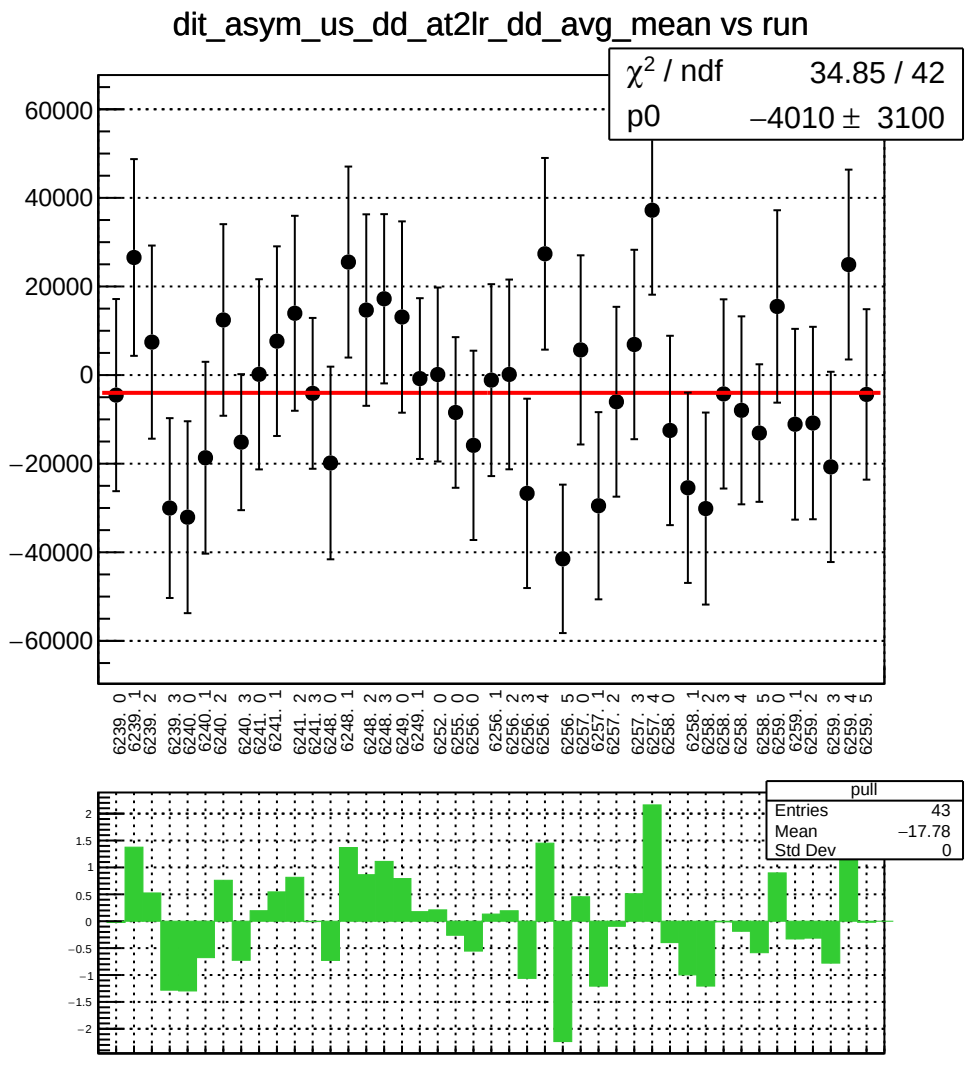

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 35.37 / 42
p0 −3670 ± 3092
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −23.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

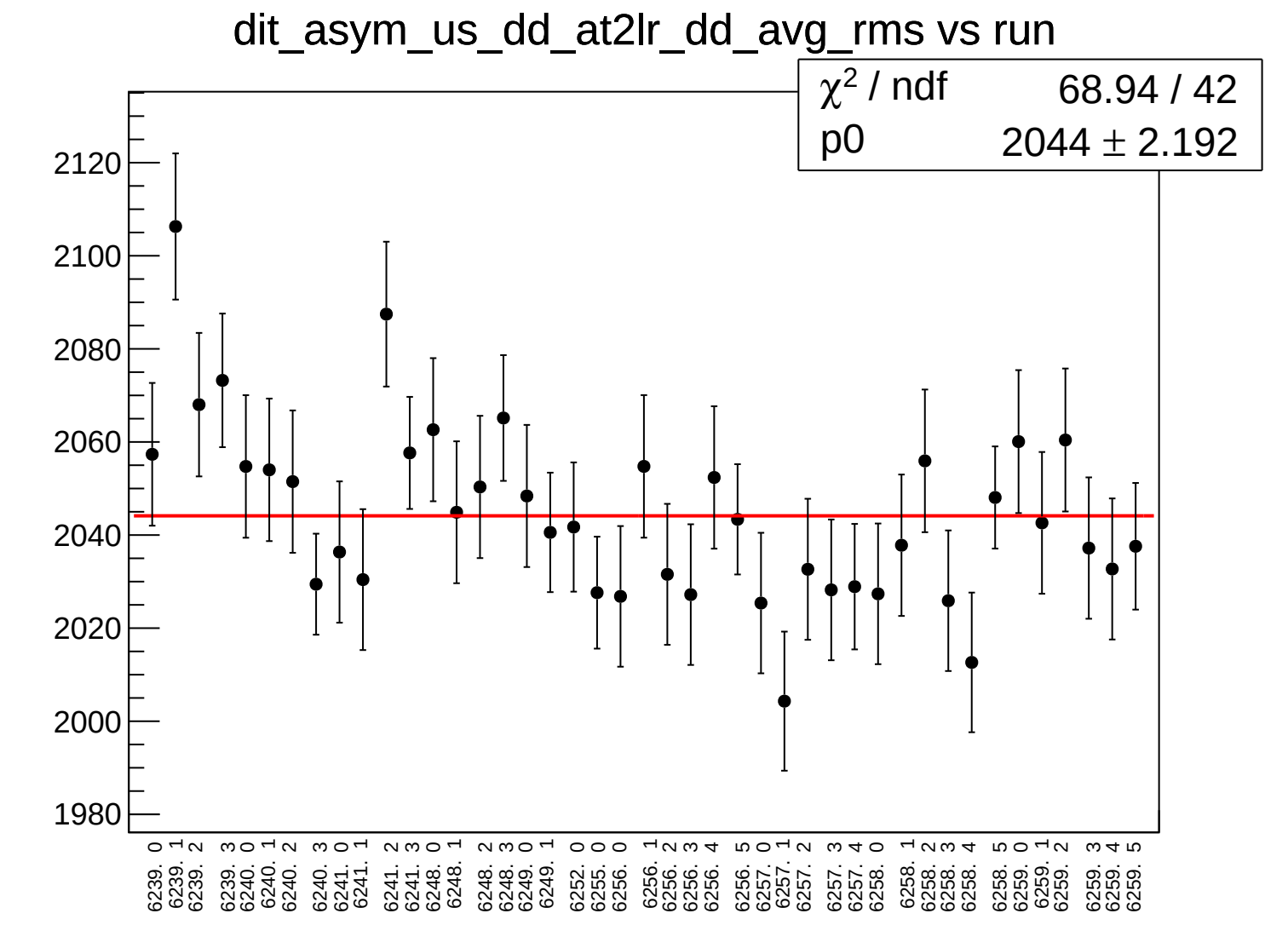

pull1D
Entries 43
Mean 0.02101
Std Dev 0.9067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

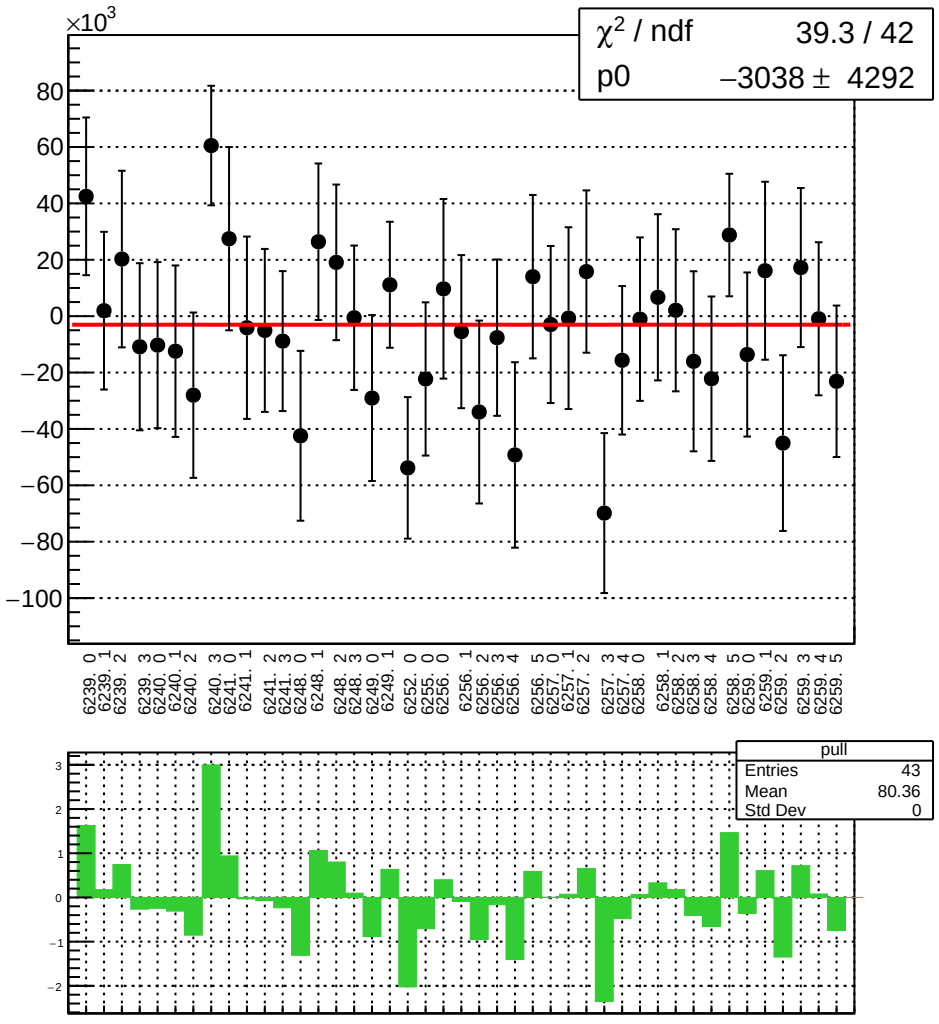

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 54.82 / 42
p0 2039 ± 2.186
2120
2100
2080
2060
2040
2020
2000
1980
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

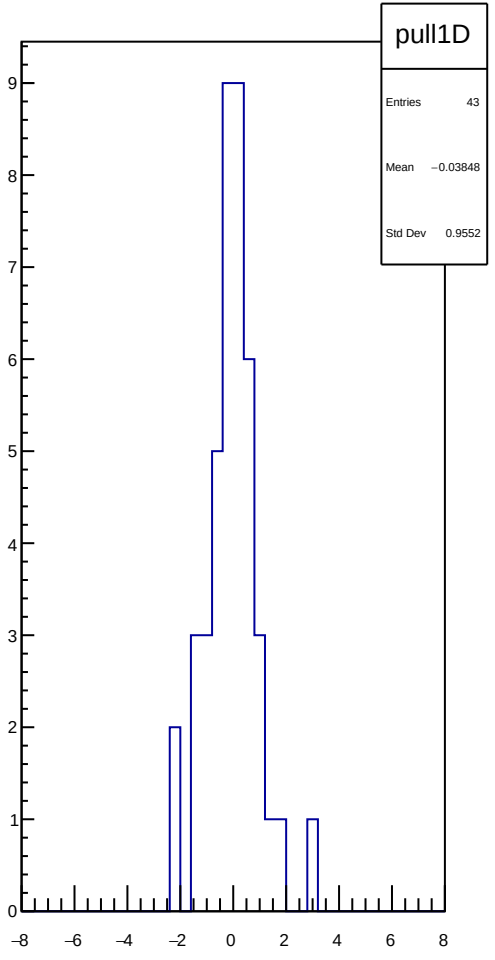

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.42 / 42
p0 −2708 ± 4277
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.43
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03858
Std Dev 0.9567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

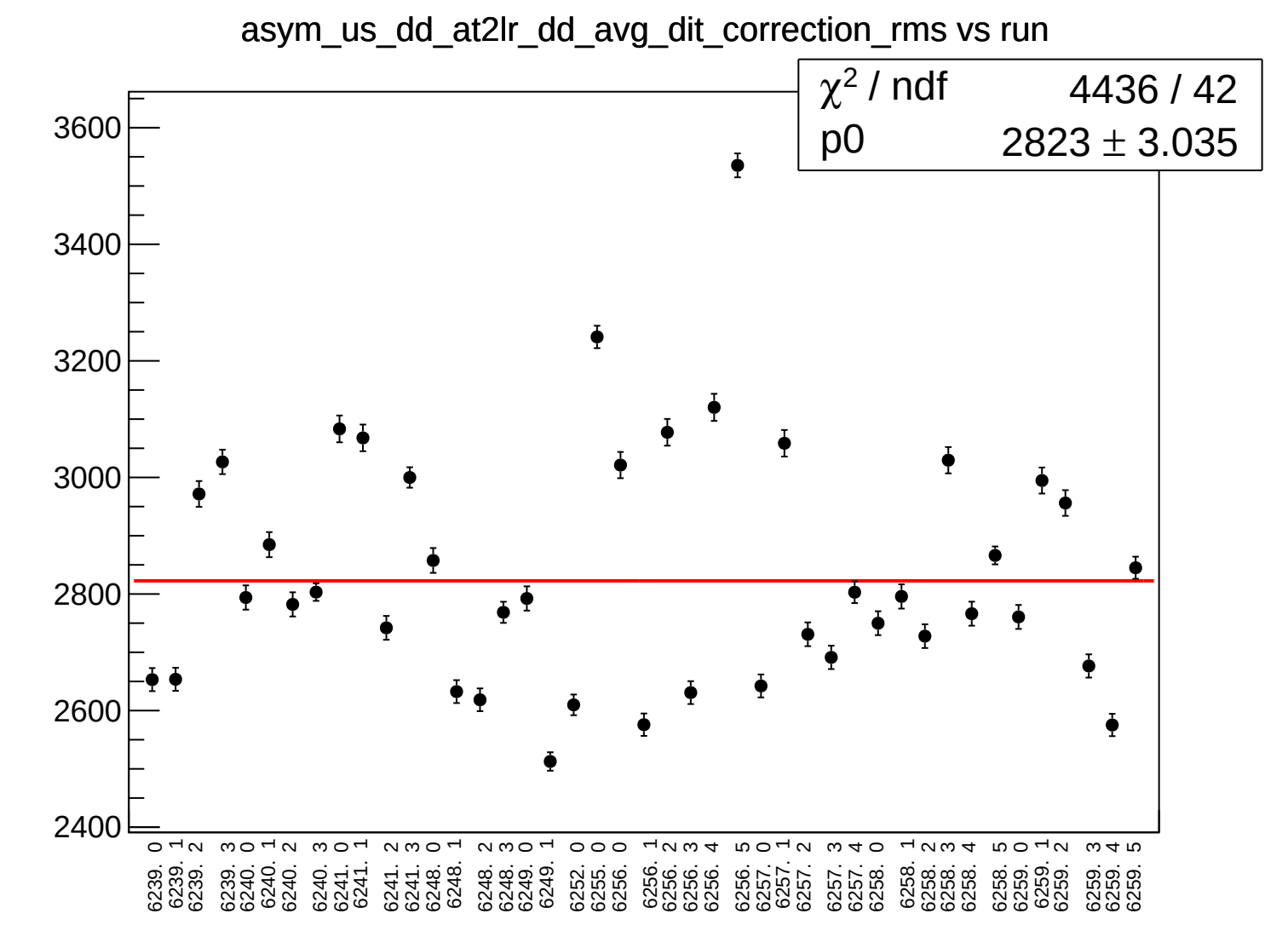

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4577 / 42
p0 2812 ± 3.024
3600
3400
3200
3000
2800
2600
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

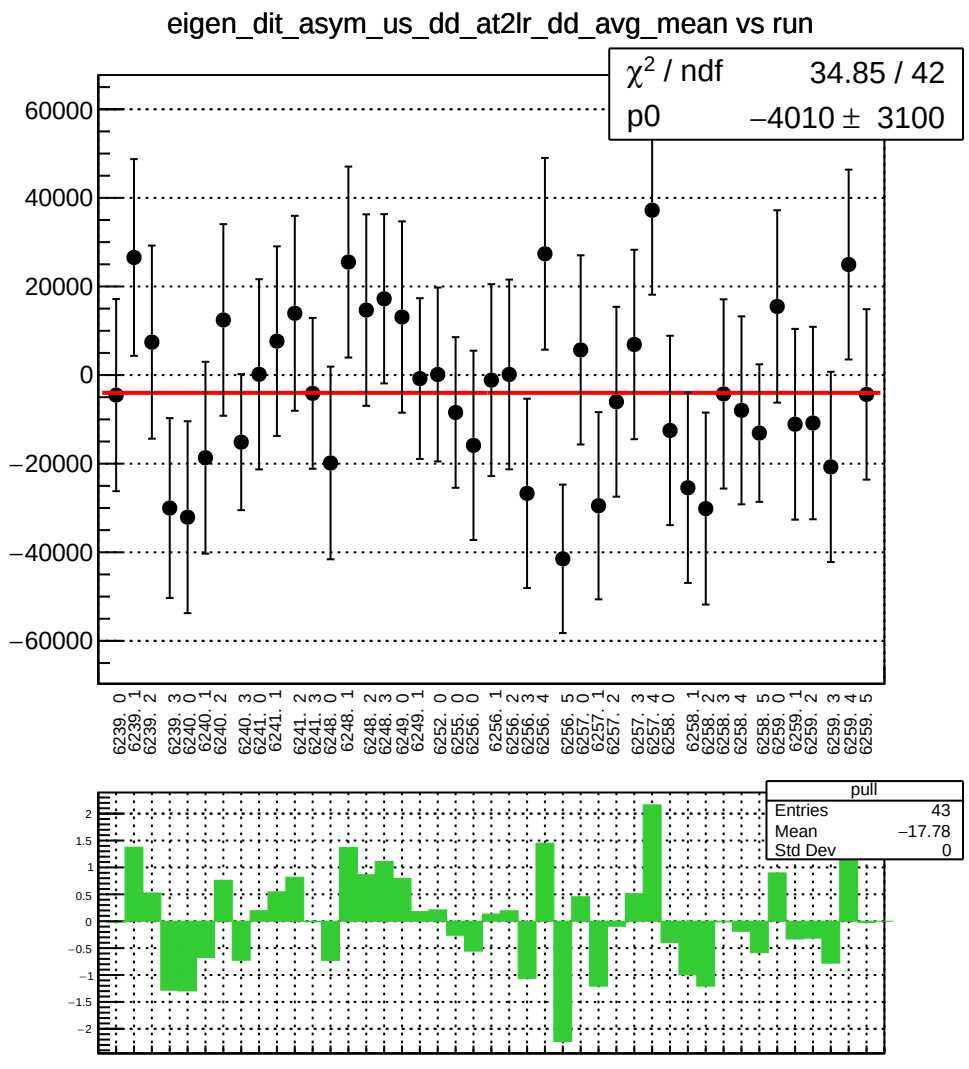

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 34.85 / 42
p0 −4010 ± 3100
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −17.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02146
Std Dev 0.9
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

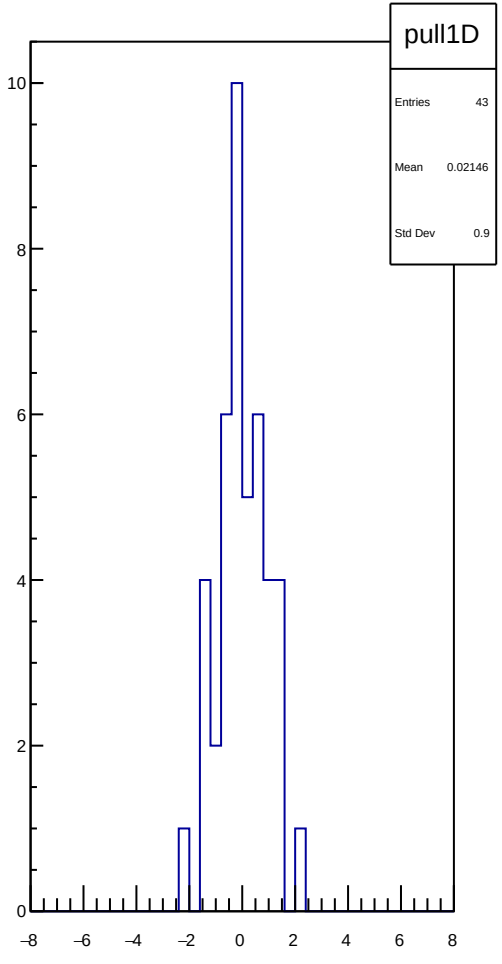

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 68.94 / 42
p0 2044 ± 2.192
2120
2100
2080
2060
2040
2020
2000
1980
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

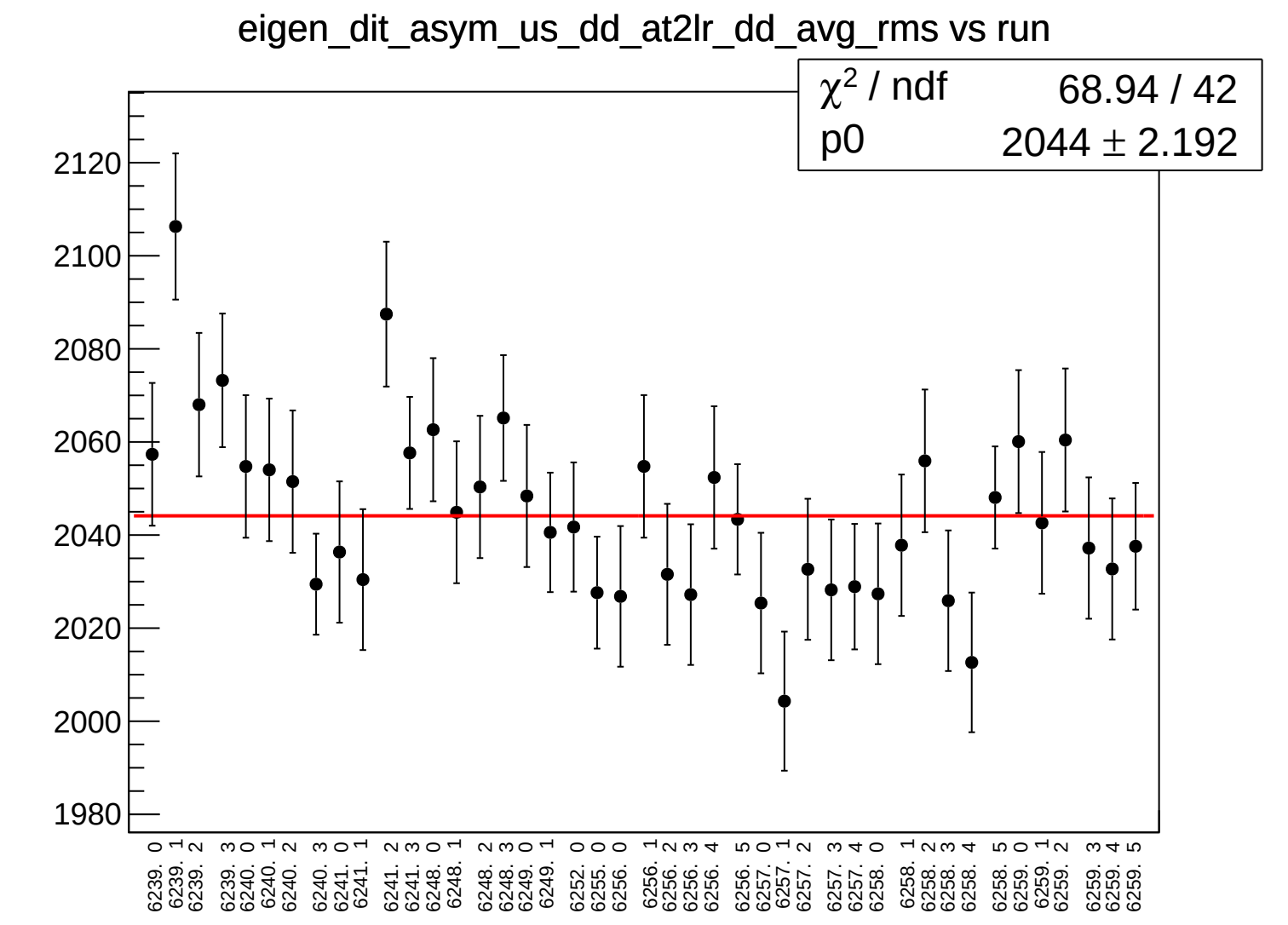

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 39.3 / 42
p0 −3038 ± 4292
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 80.36
Std Dev 0
3
2
1
0
−1
−2

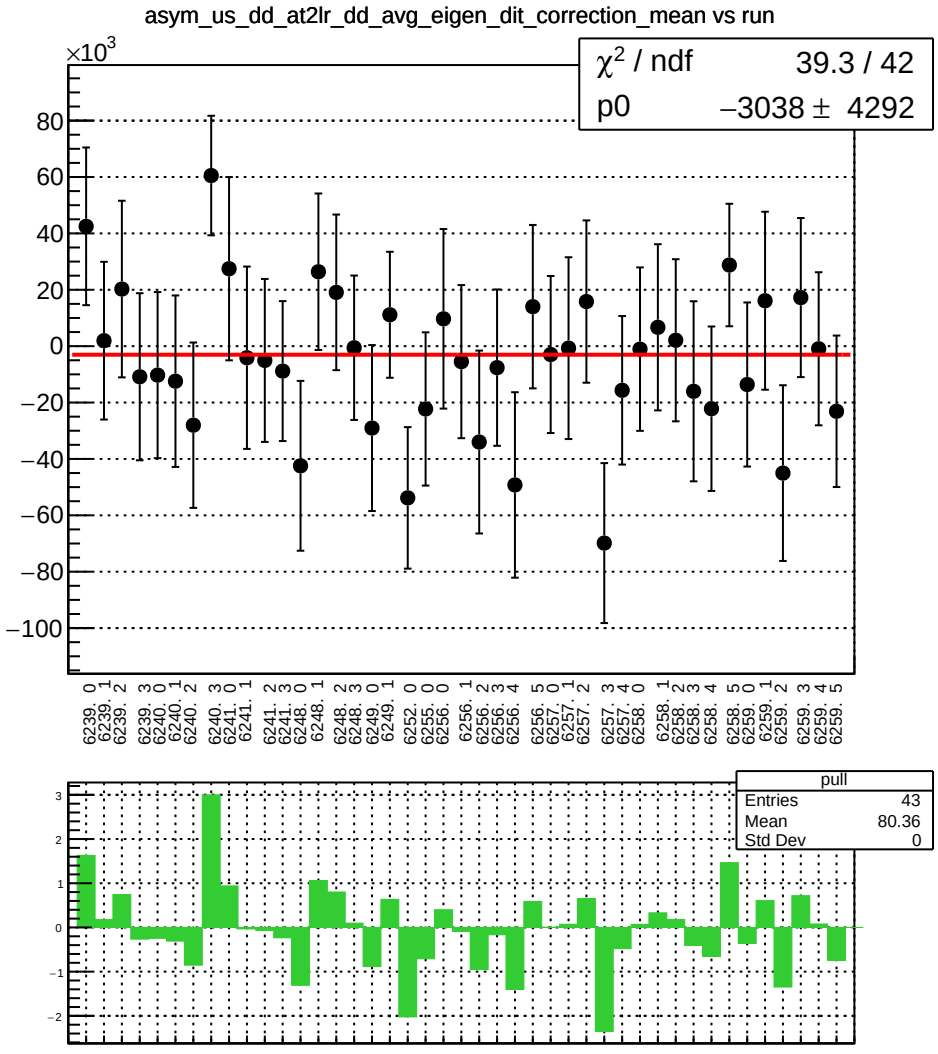

pull1D
Entries 43
Mean −0.03848
Std Dev 0.9552
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

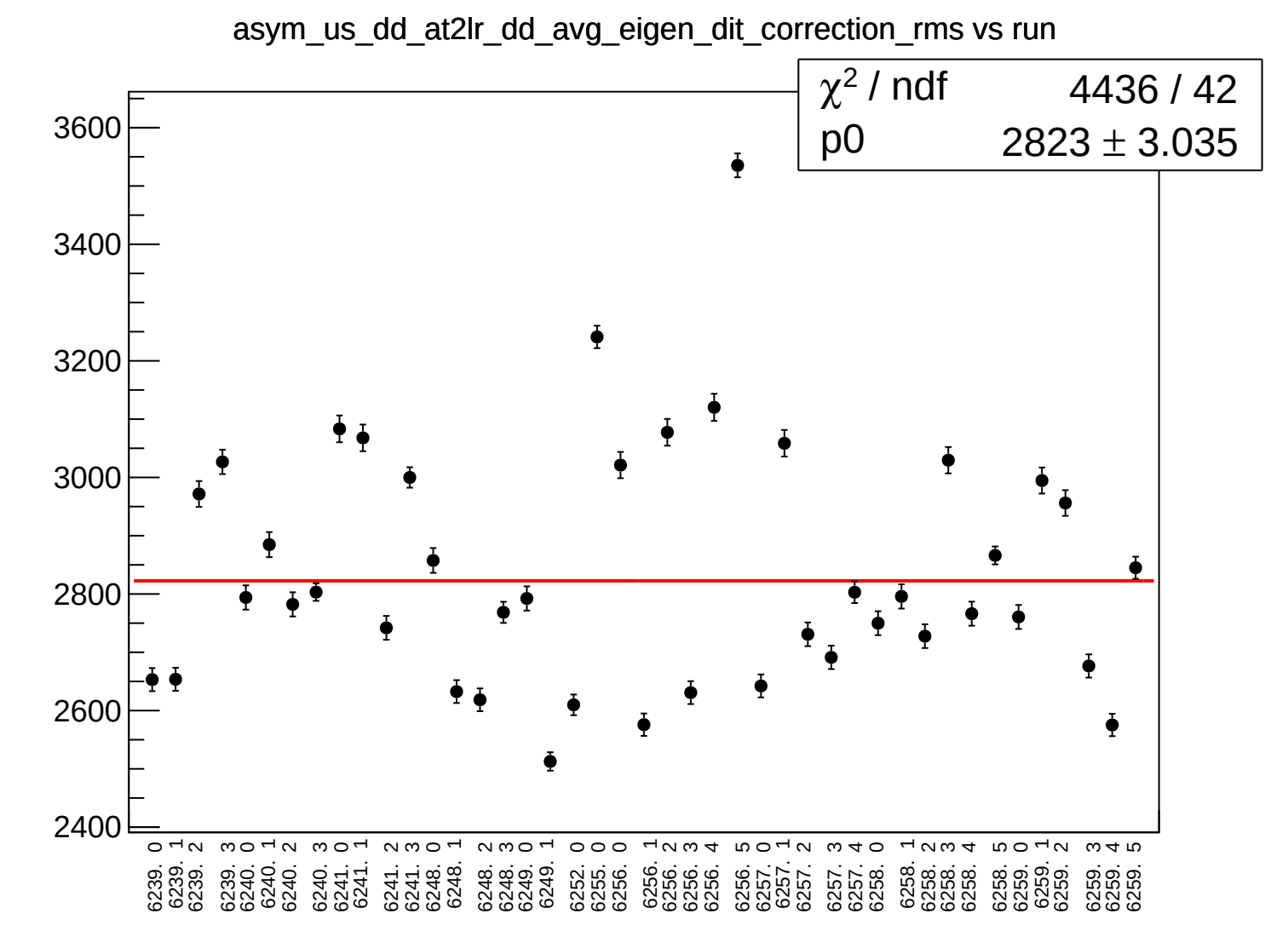

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 4436 / 42
p0 2823 ± 3.035
3600
3400
3200
3000
2800
2600
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

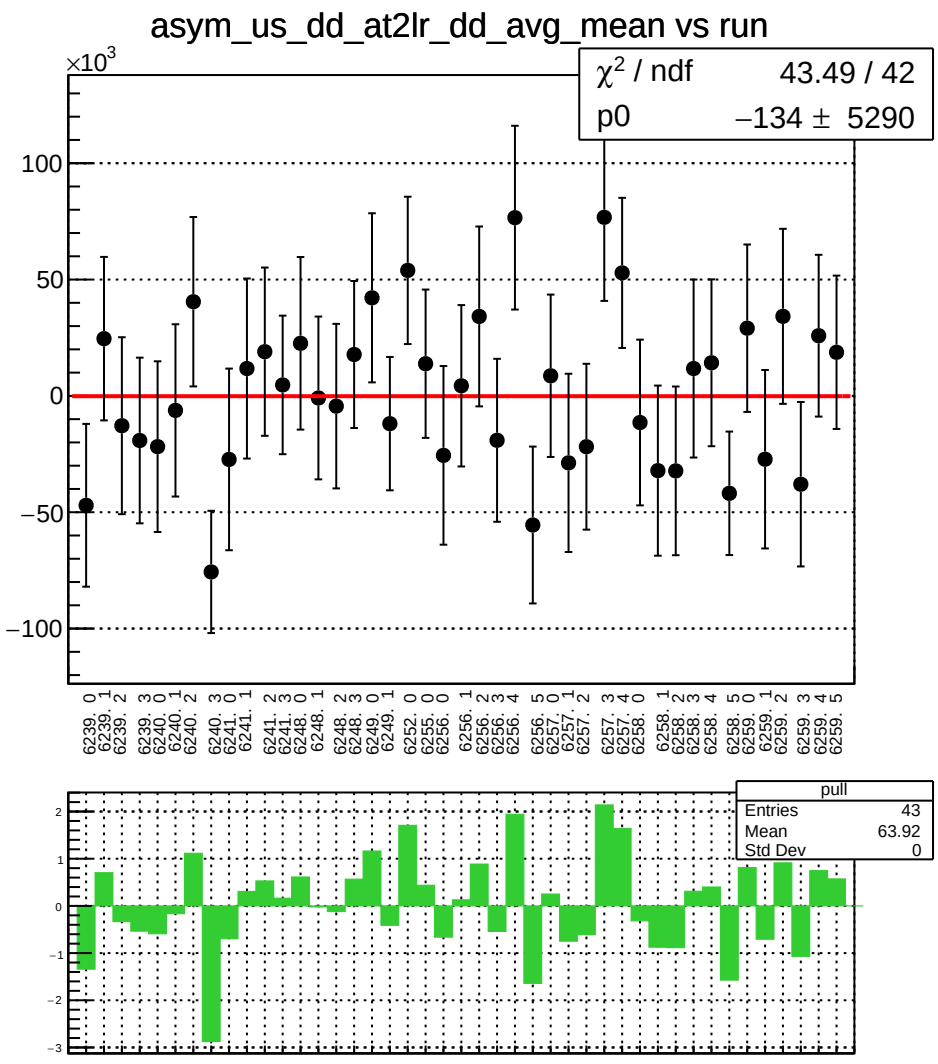

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 34.85 / 42
p0 −4010 ± 3100
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −17.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

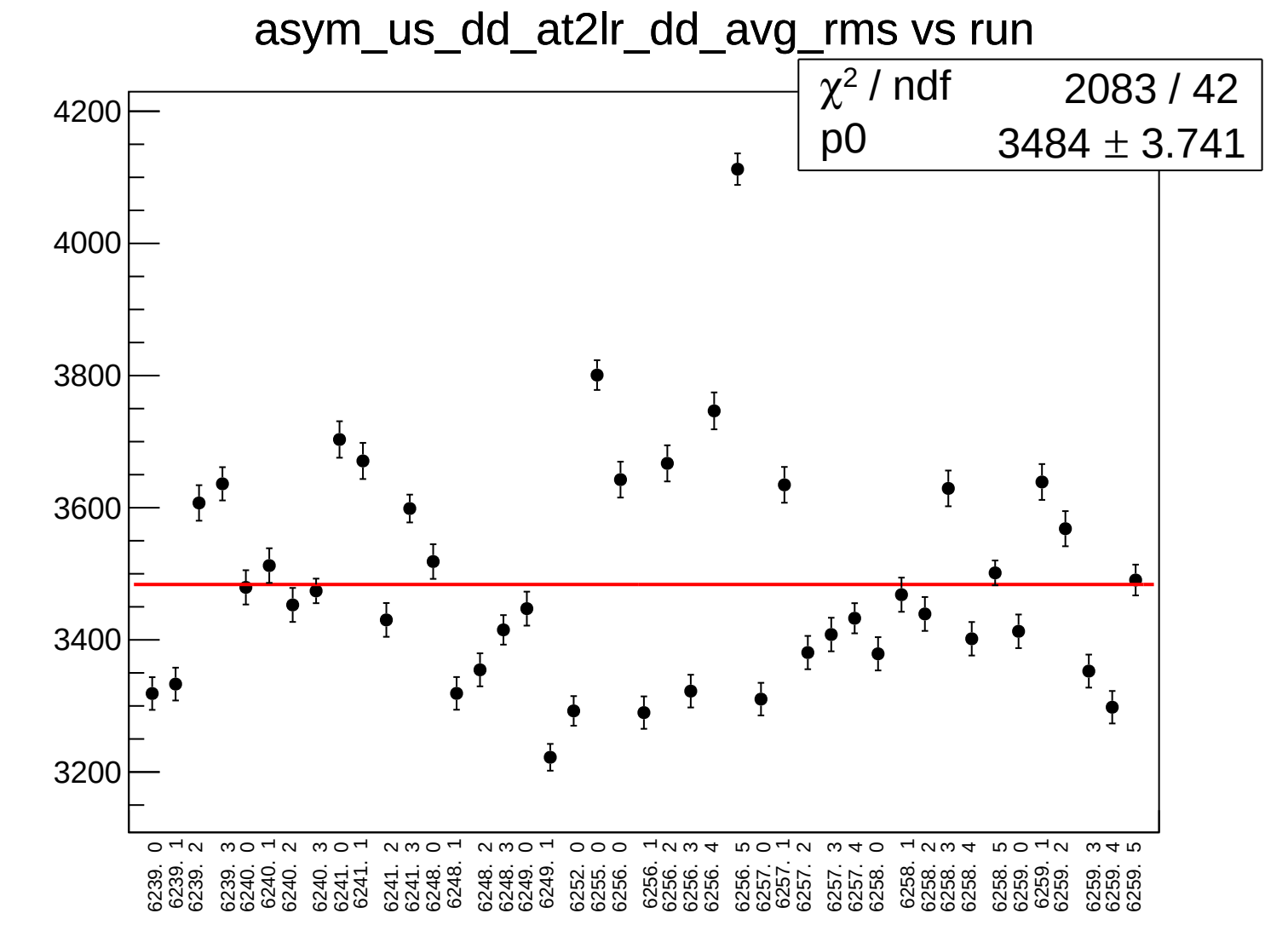

pull1D
Entries 43
Mean 0.02146
Std Dev 0.9
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

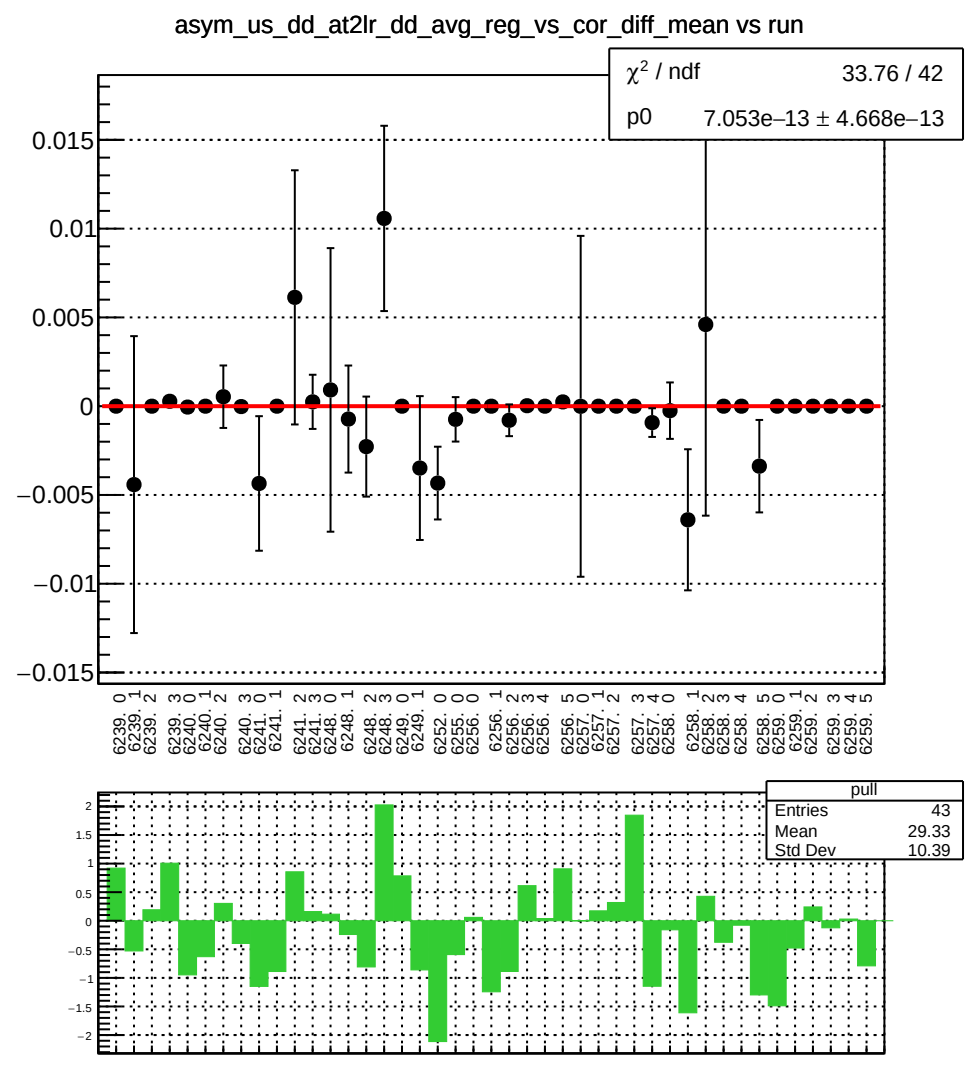

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 68.94 / 42
p0 2044 ± 2.192
2120
2100
2080
2060
2040
2020
2000
1980
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

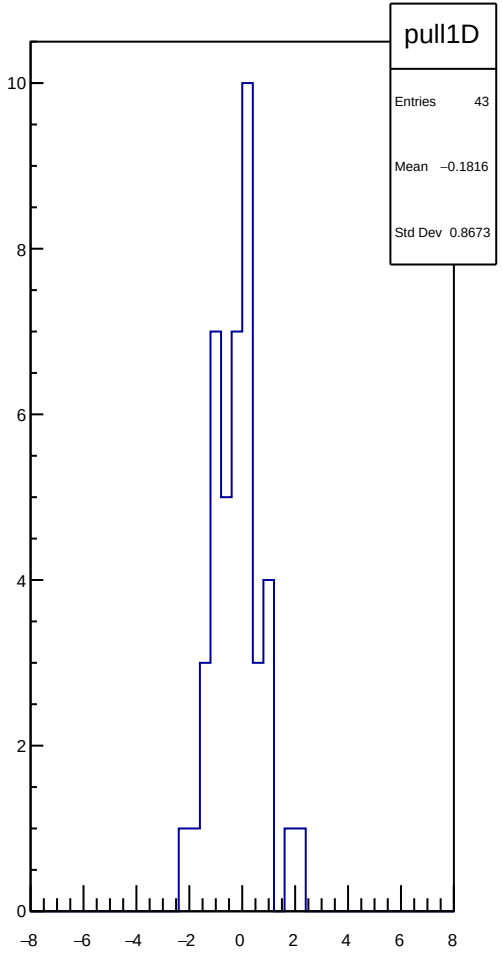

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 39.3 / 42
p0 −3038 ± 4292
80
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 80.36
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03848
Std Dev 0.9552
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

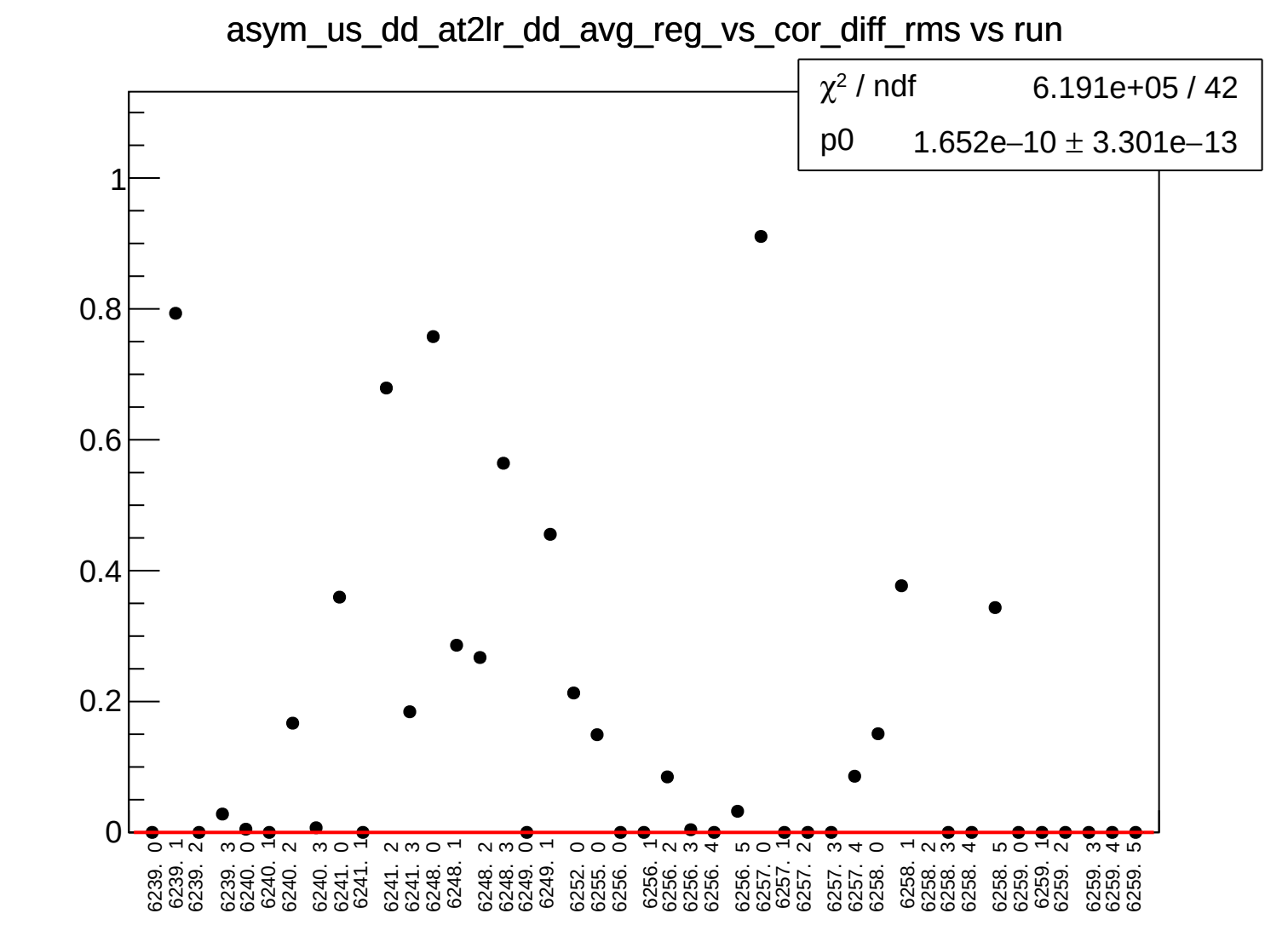

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4436 / 42
p0 2823 ± 3.035
3600
3400
3200
3000
2800
2600
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

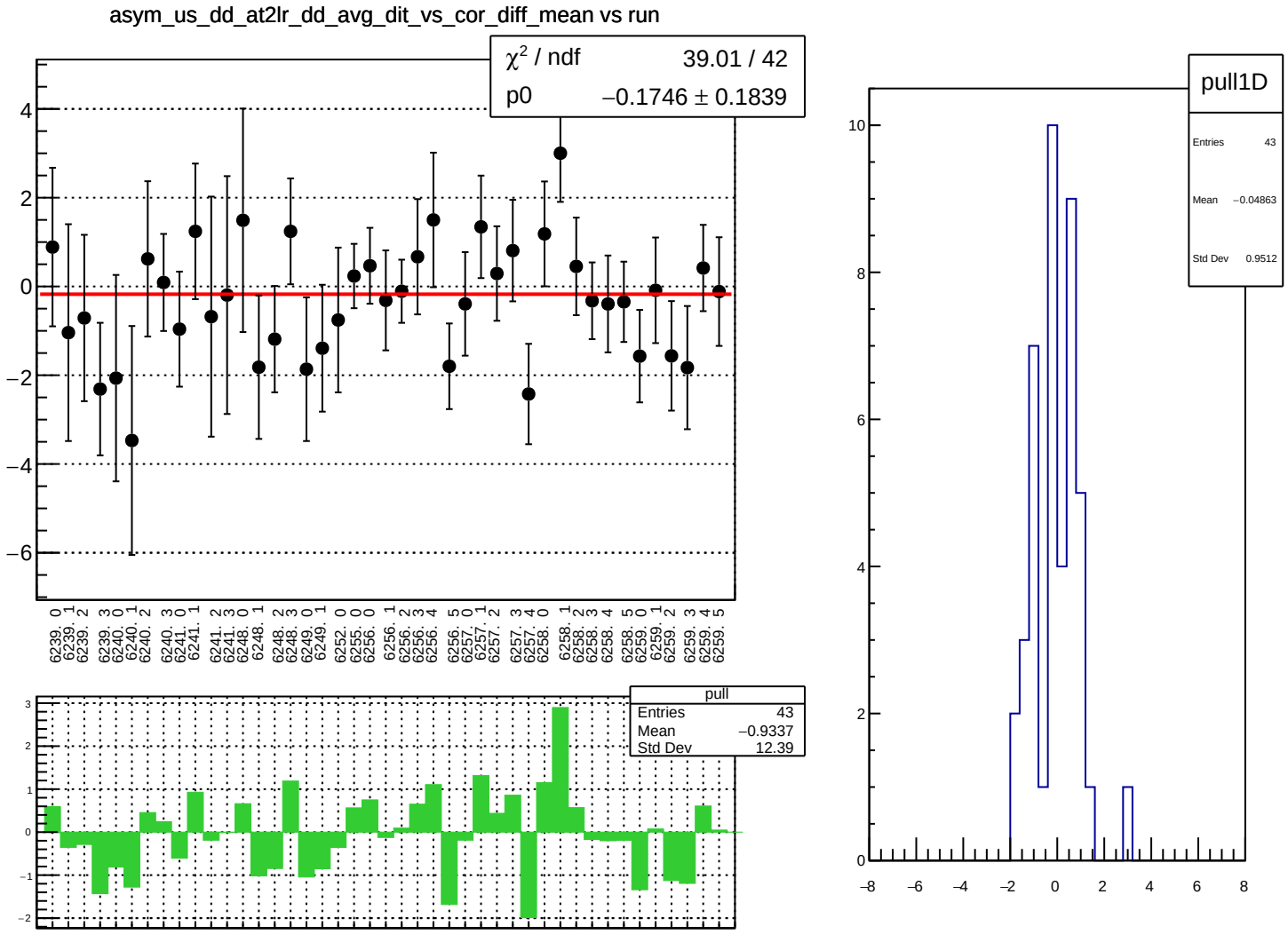

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 43.49 / 42
p0 −134 ± 5290
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.92
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0312
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

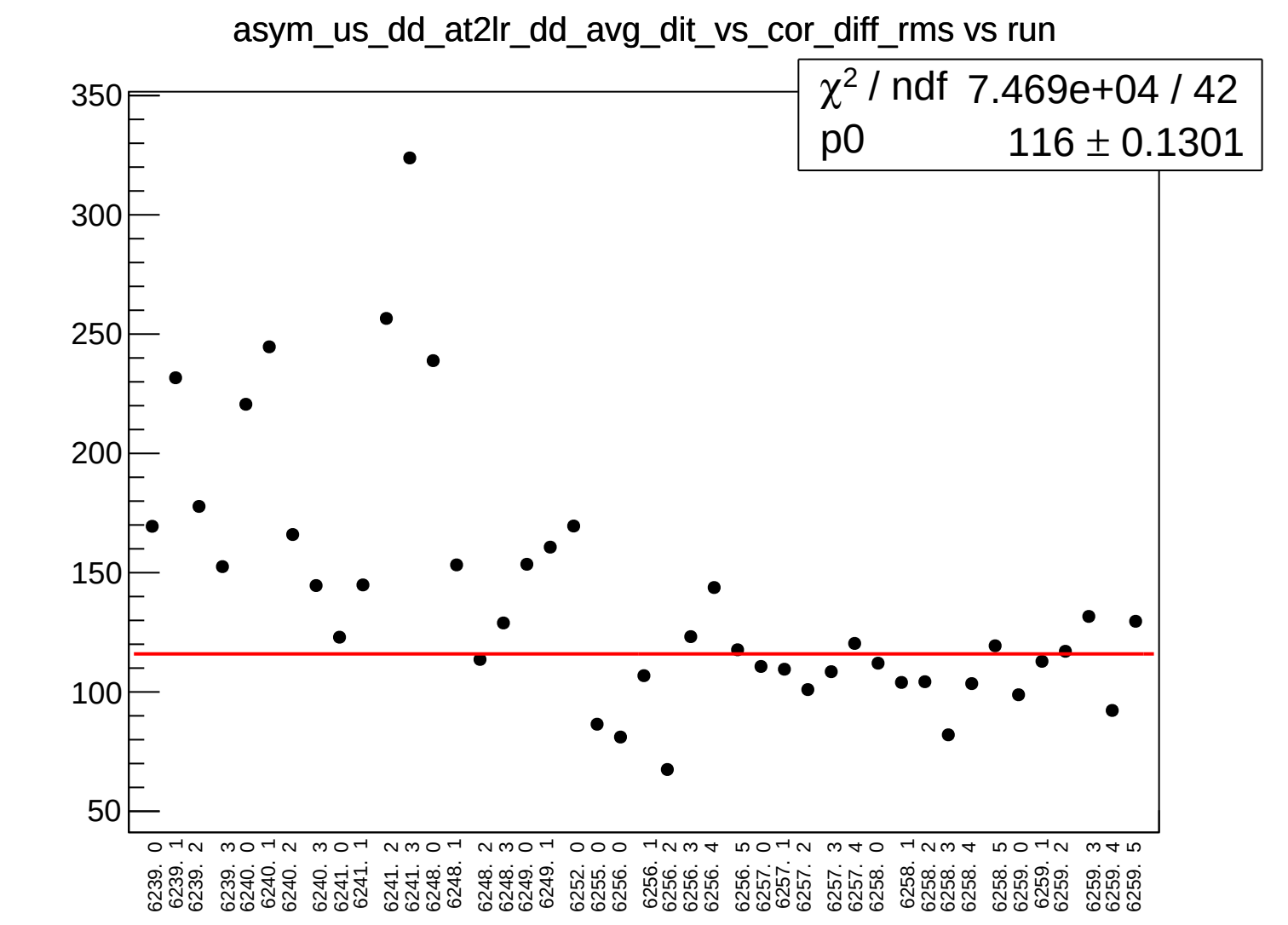

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2083 / 42
p0 3484 ± 3.741
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

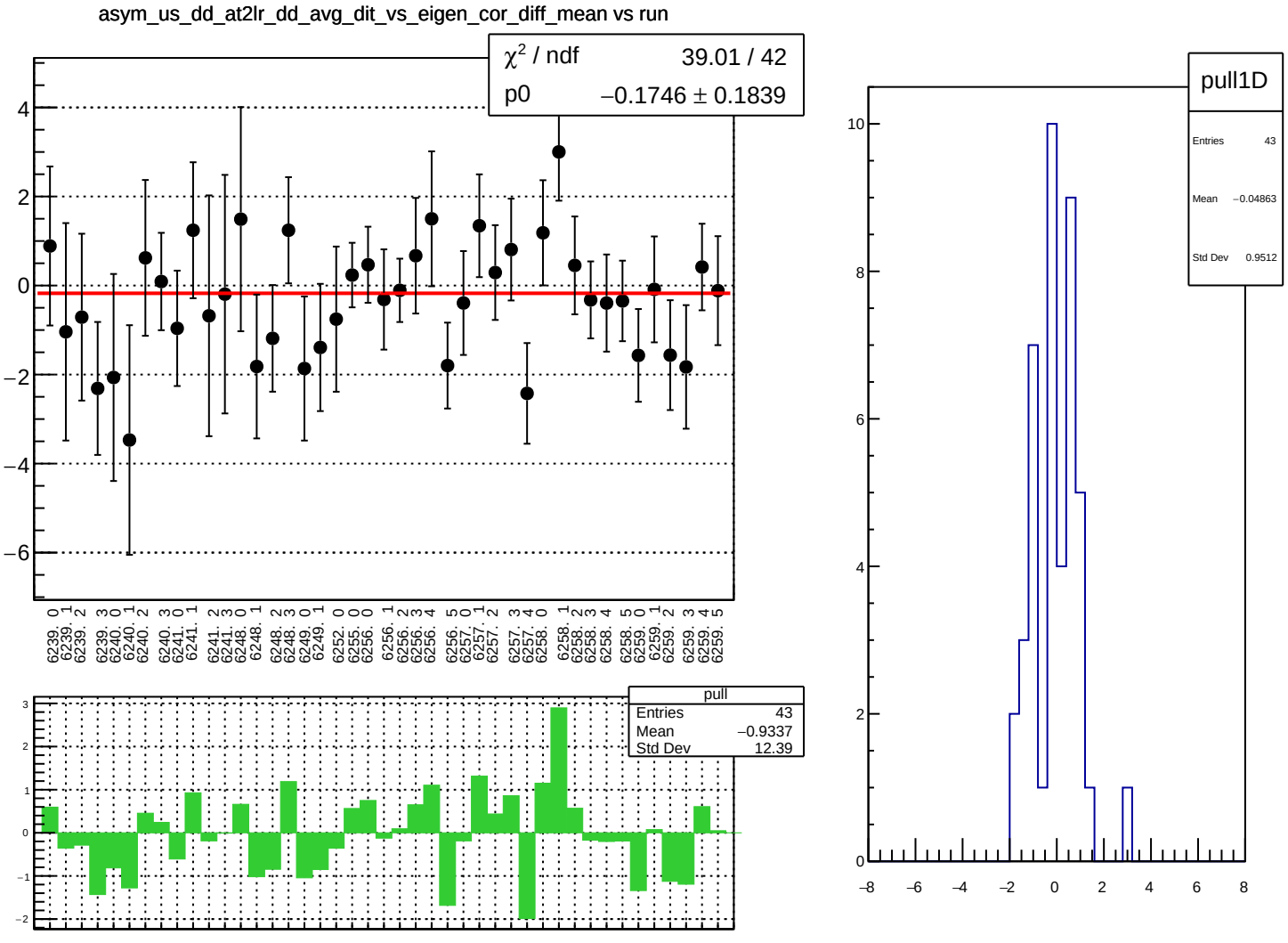

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.76 / 42
p0 7.053e−13 ± 4.668e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.33
Std Dev 10.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

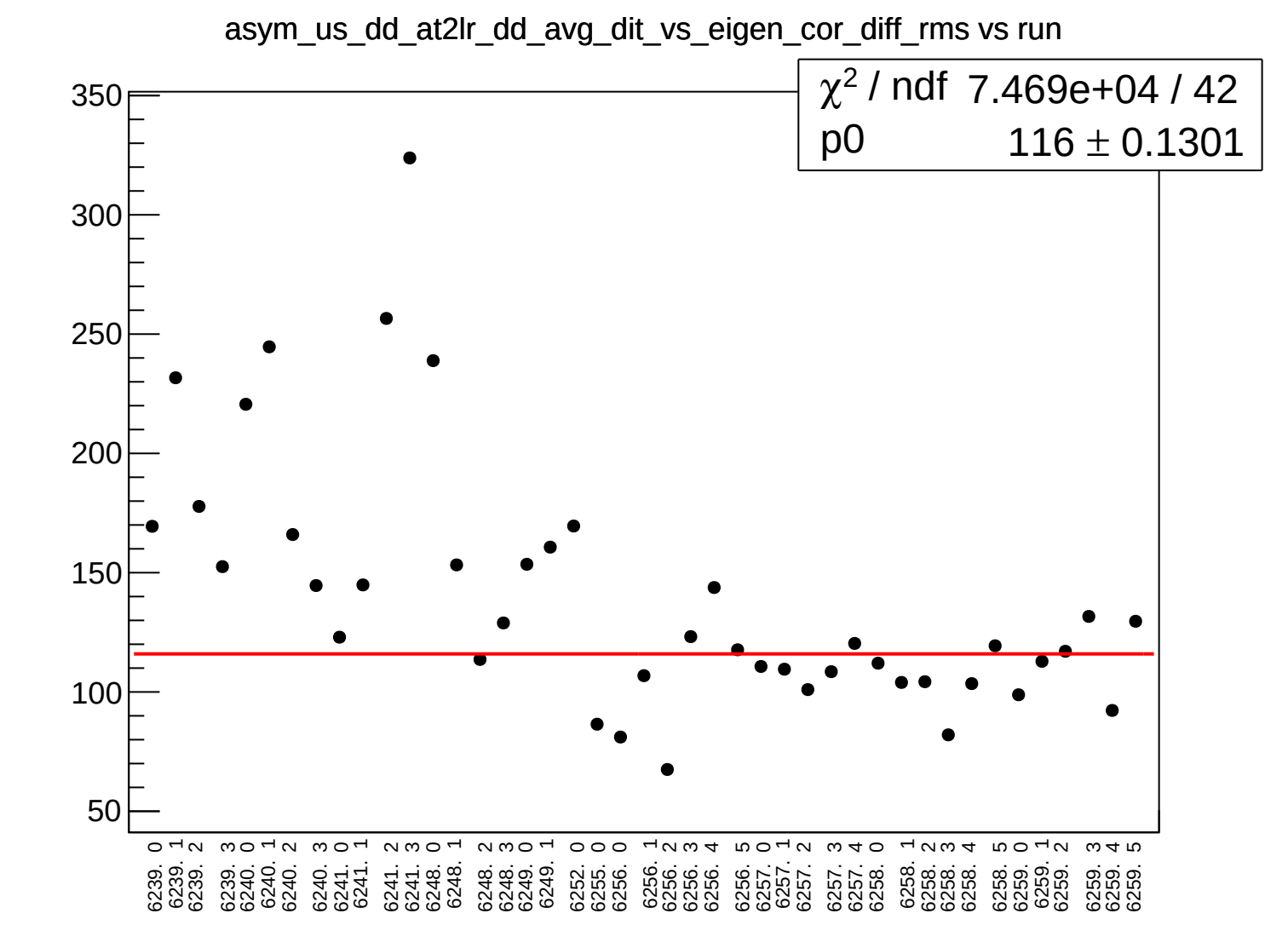

pull1D
Entries 43
Mean −0.1816
Std Dev 0.8673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

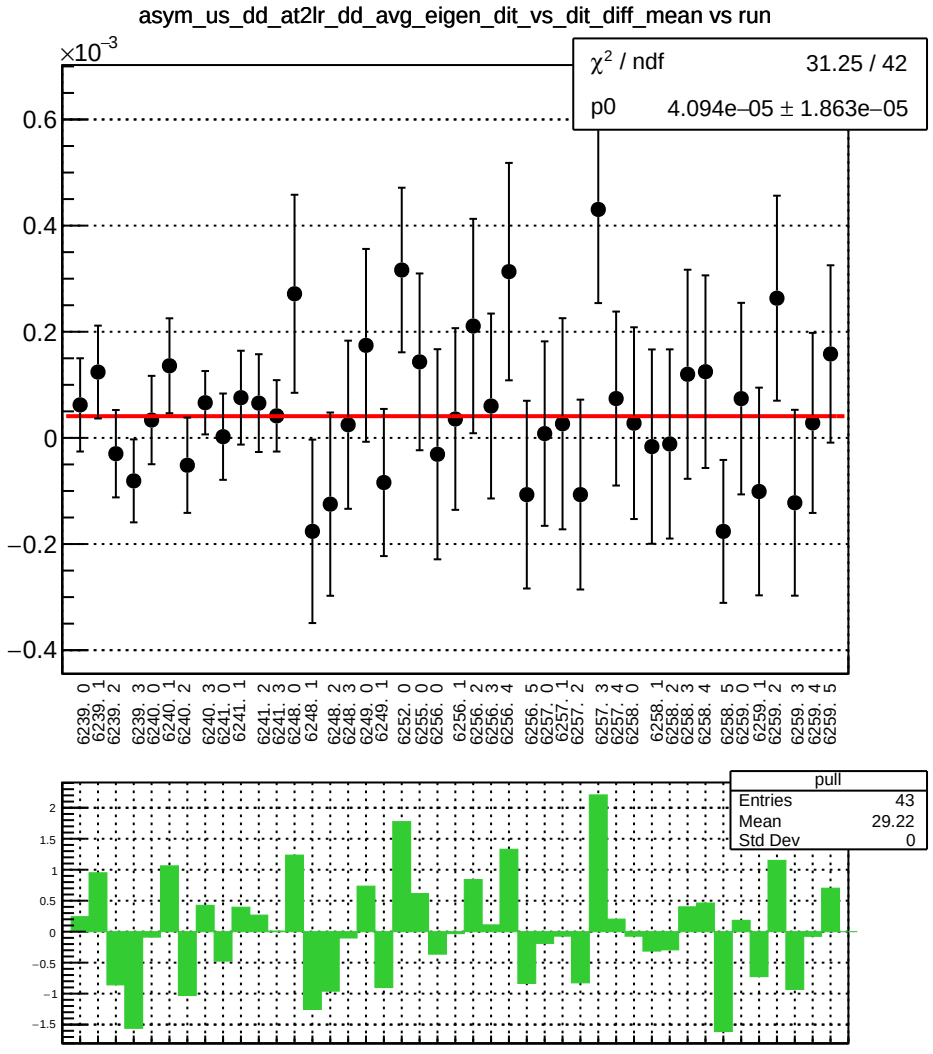

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.191e+05 / 42
p0 1.652e−10 ± 3.301e−13
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

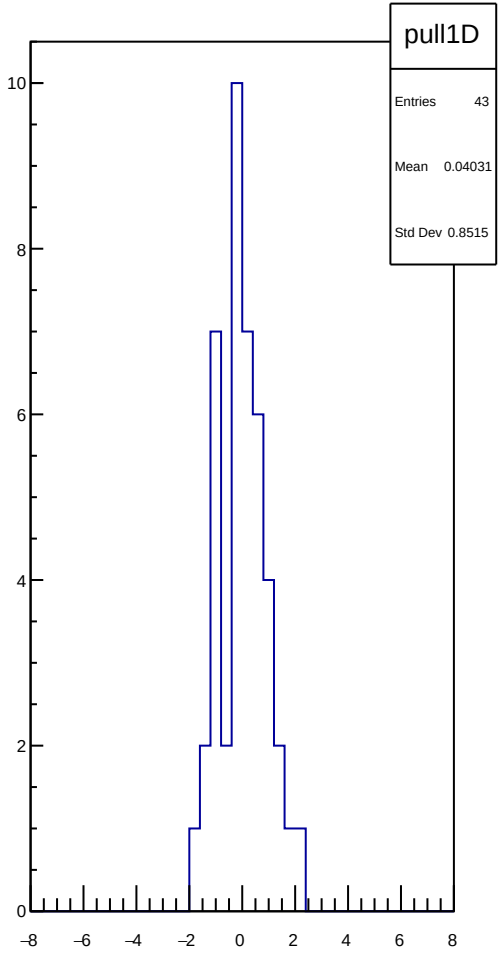

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.01 / 42
p0 −0.1746 ± 0.1839
pull
Entries 43
Mean −0.9337
Std Dev 12.39
pull1D
Entries 43
Mean −0.04863
Std Dev 0.9512

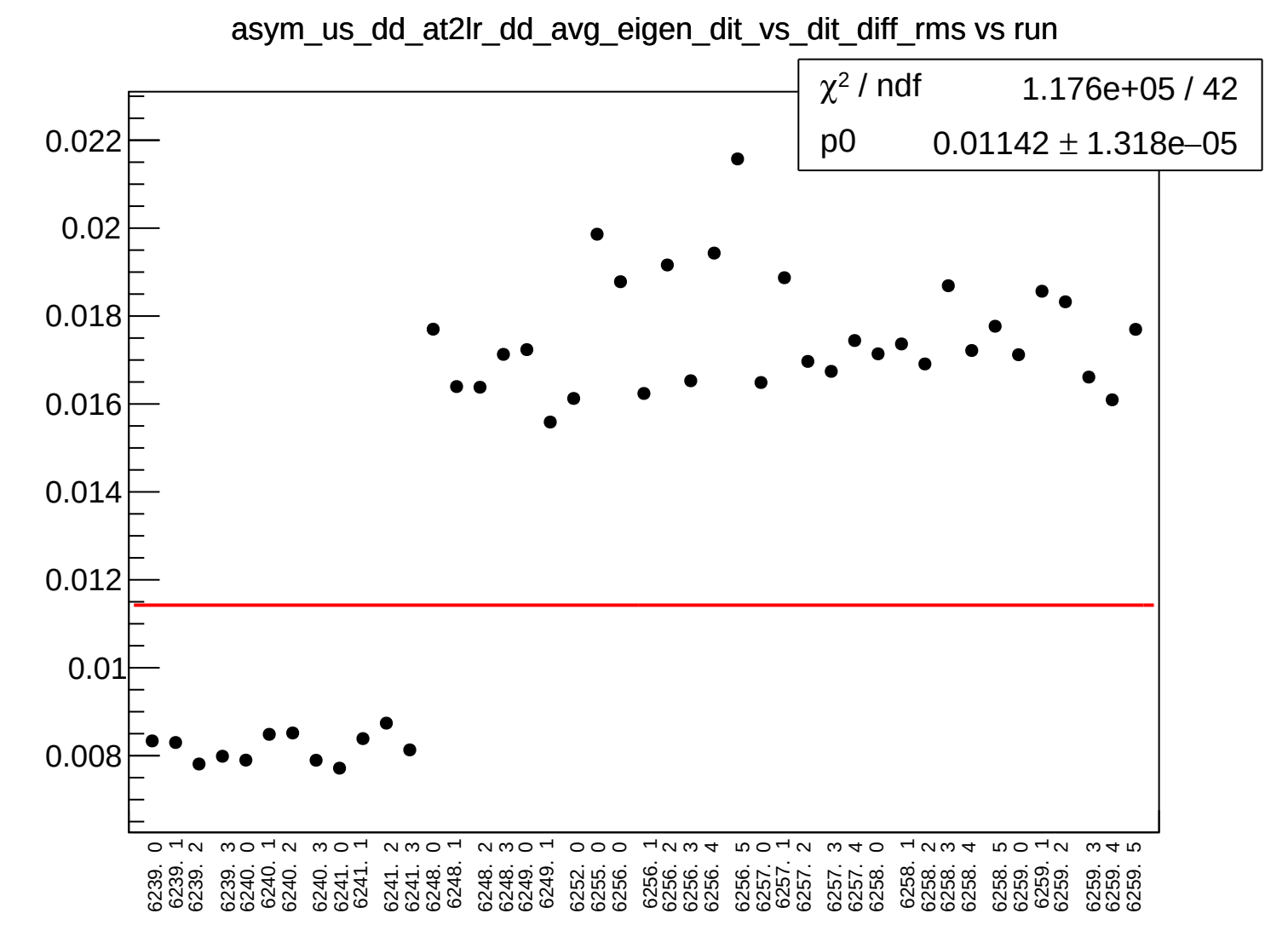

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.469e+04 / 42
p0 116 ± 0.1301
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

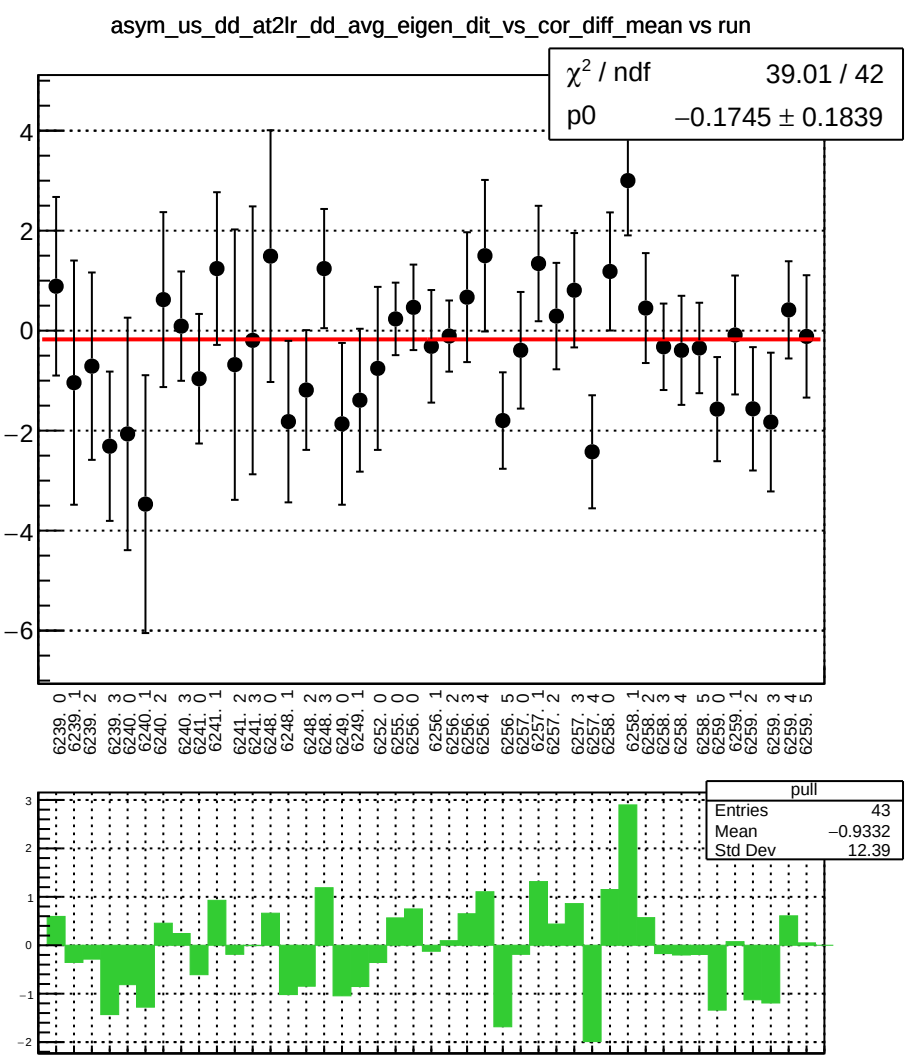

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.01 / 42
p0 −0.1746 ± 0.1839
pull
Entries 43
Mean −0.9337
Std Dev 12.39
pull1D
Entries 43
Mean −0.04863
Std Dev 0.9512

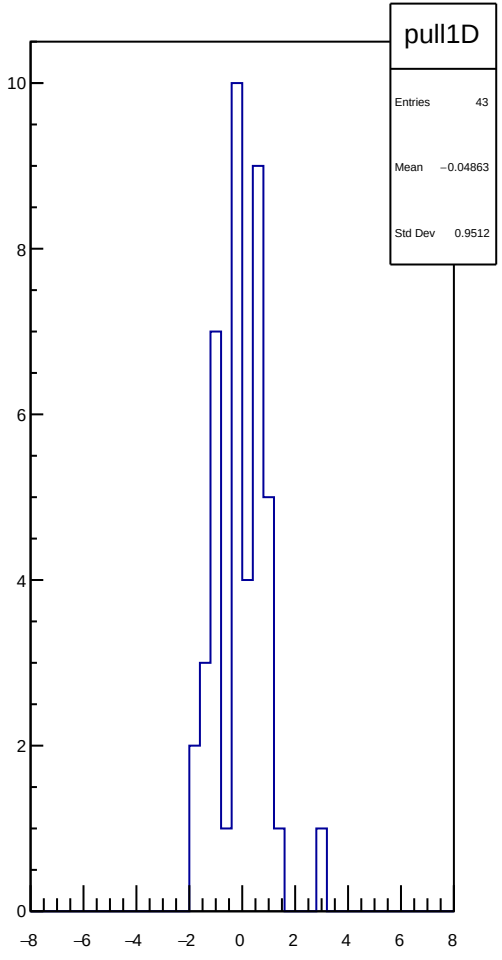

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.469e+04 / 42
p0 116 ± 0.1301
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

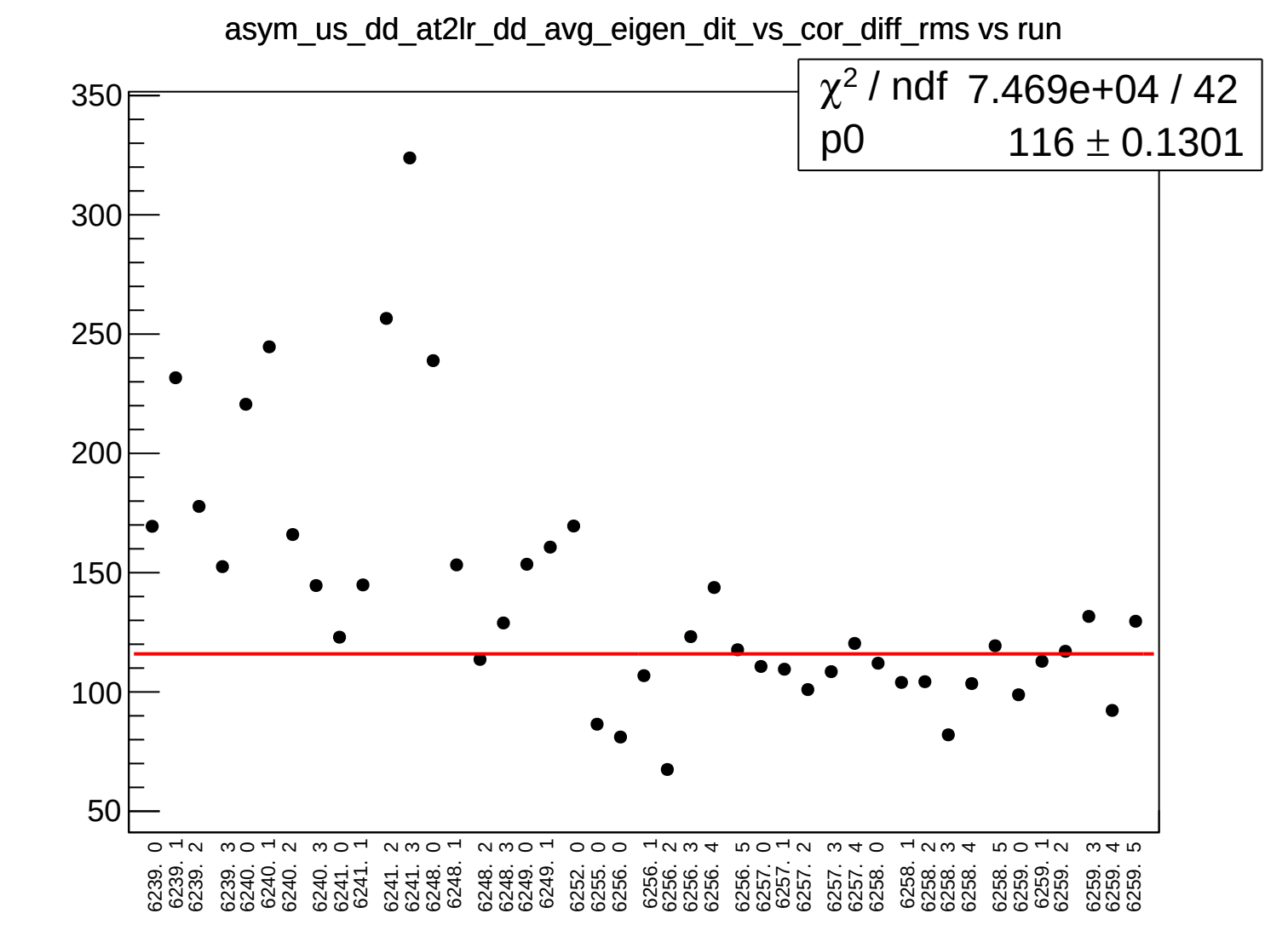

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.25 / 42
p0 4.094e−05 ± 1.863e−05
0.6
0.4
0.2
0
−0.2
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

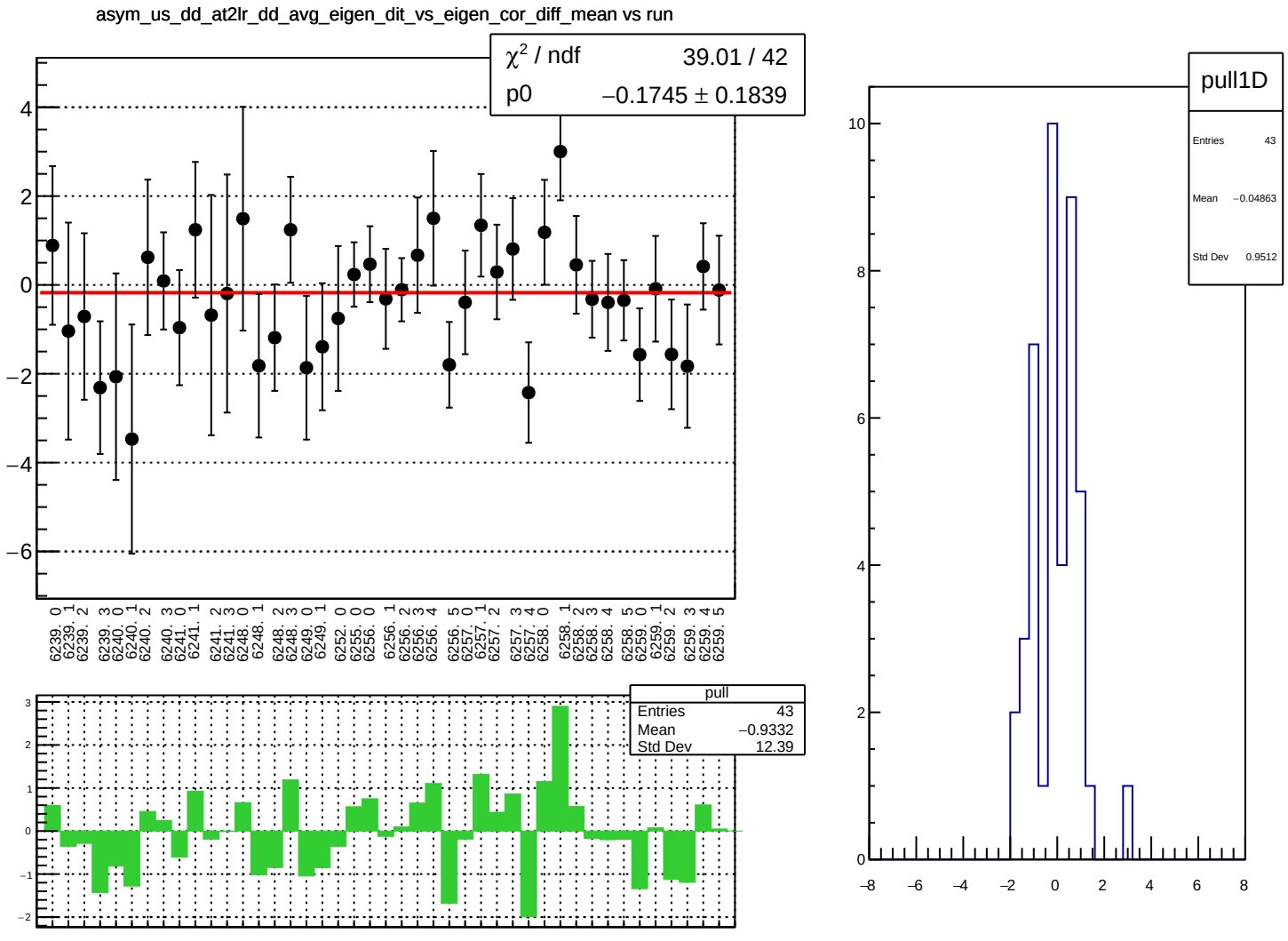

pull1D
Entries 43
Mean 0.04031
Std Dev 0.8515
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

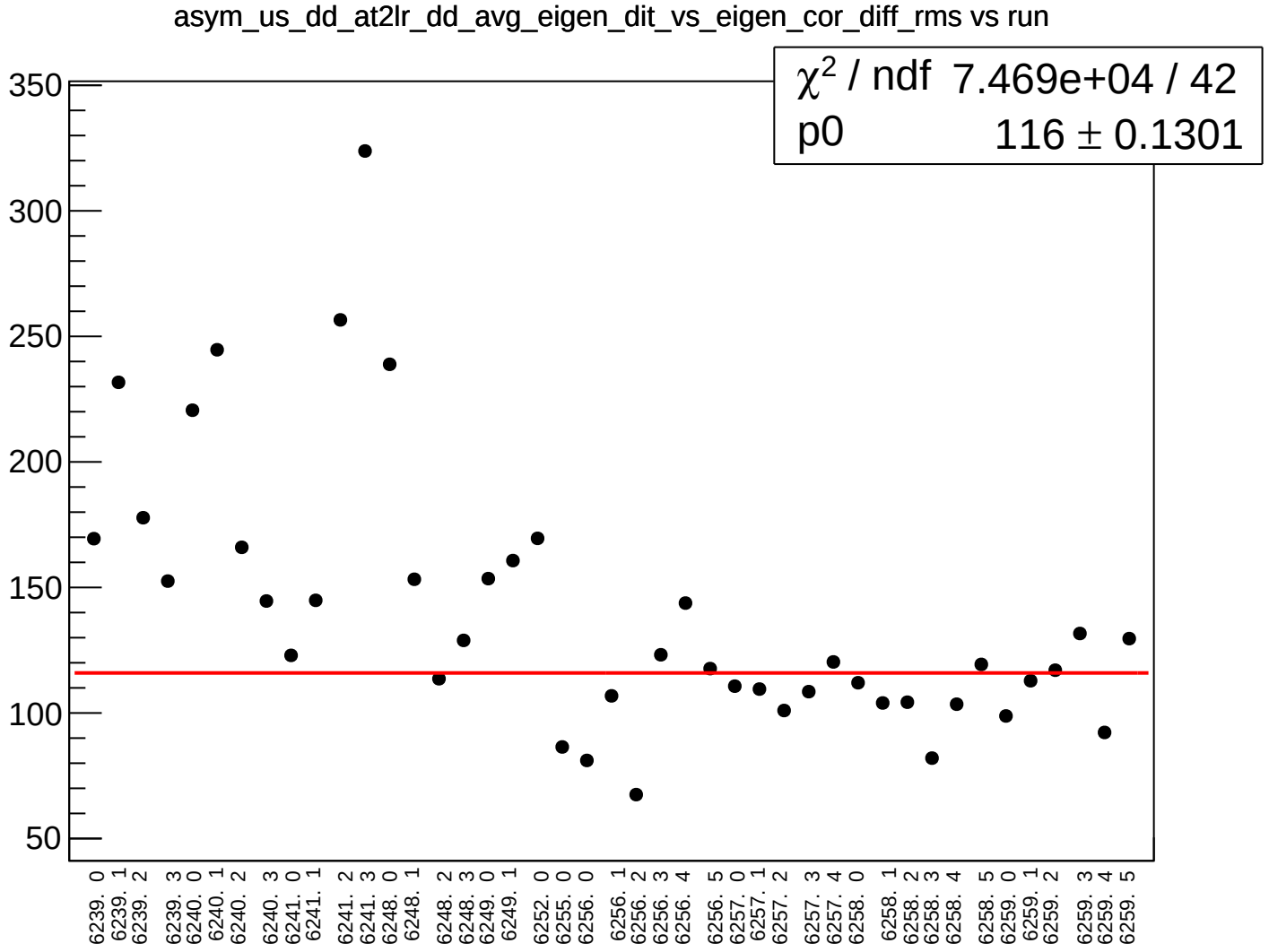

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.176e+05 / 42
p0 0.01142 ± 1.318e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

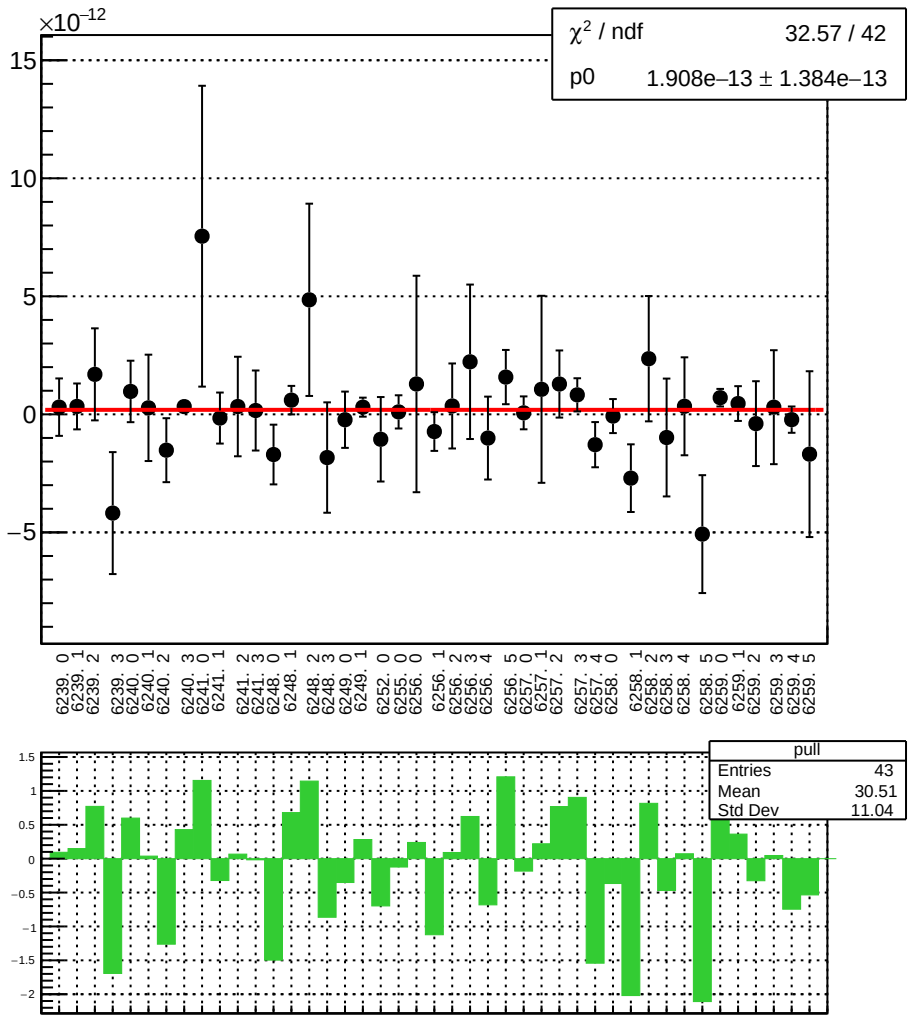

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.01 / 42
p0 −0.1745 ± 0.1839
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.9332
Std Dev 12.39
3
2
1
0
−1
−2

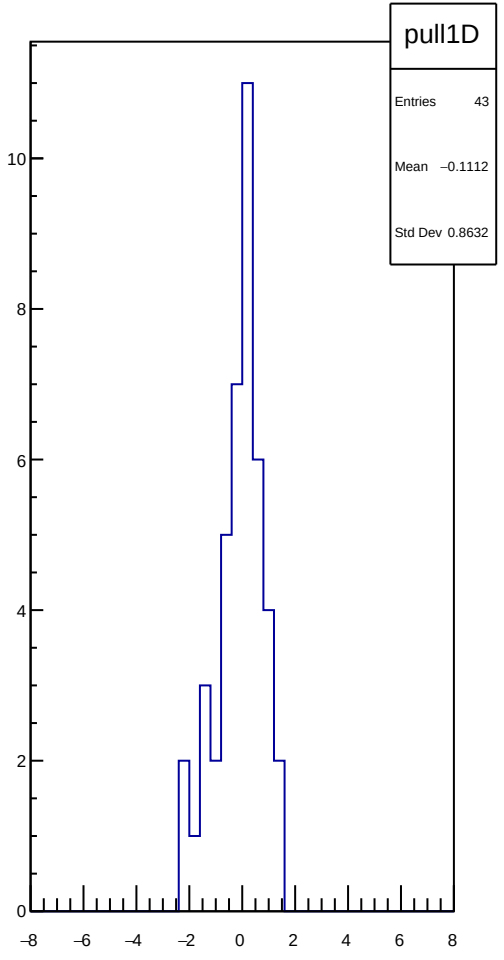

pull1D
Entries 43
Mean −0.04863
Std Dev 0.9512
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

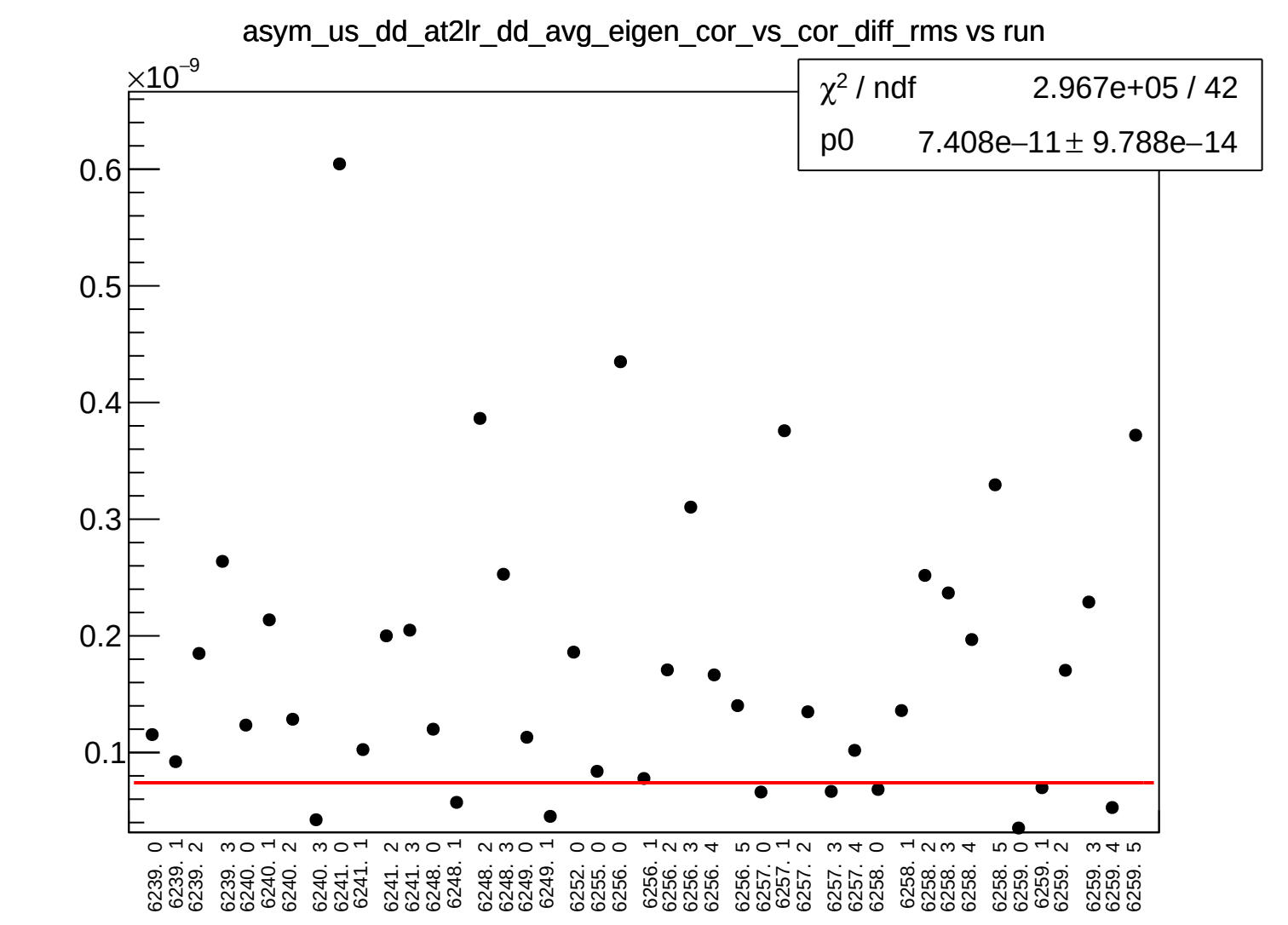

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.469e+04 / 42
p0 116 ± 0.1301
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

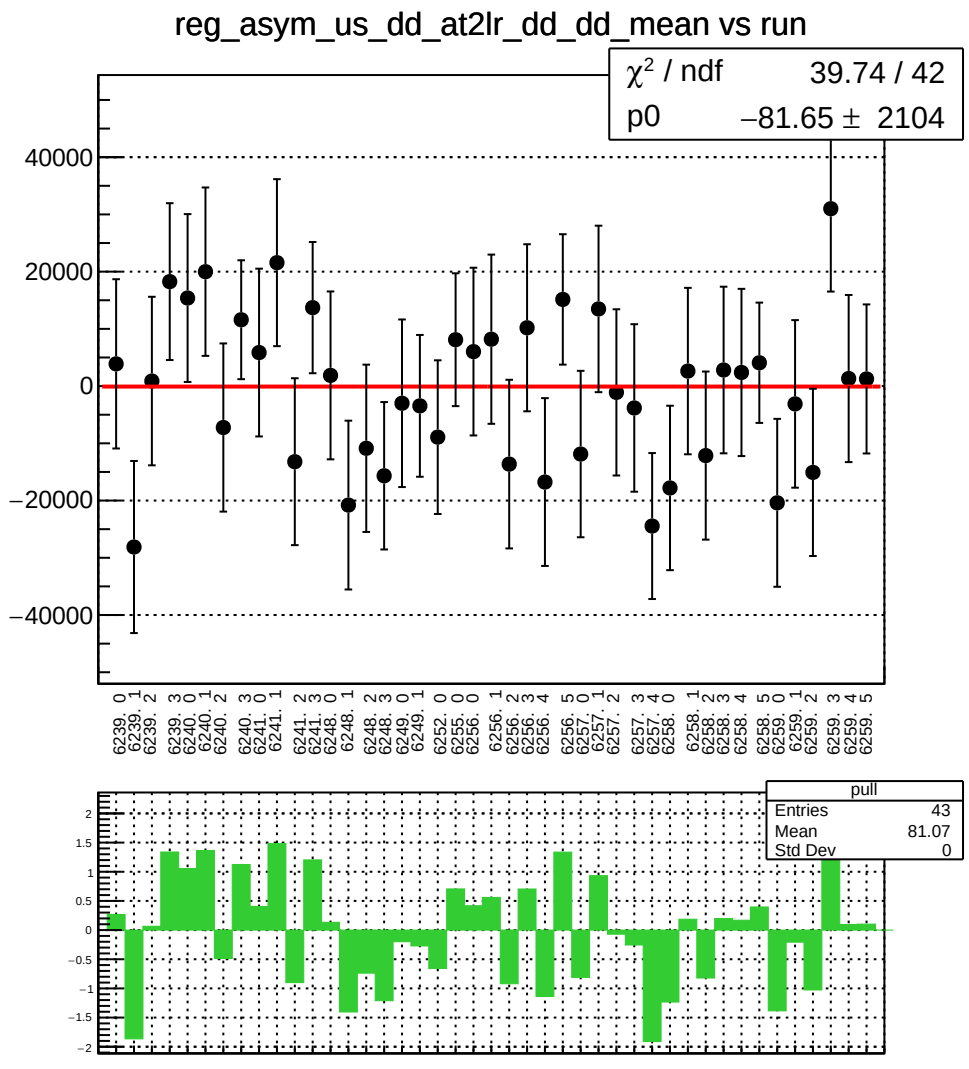

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.01 / 42
p0 −0.1745 ± 0.1839
pull
Entries 43
Mean −0.9332
Std Dev 12.39
pull1D
Entries 43
Mean −0.04863
Std Dev 0.9512

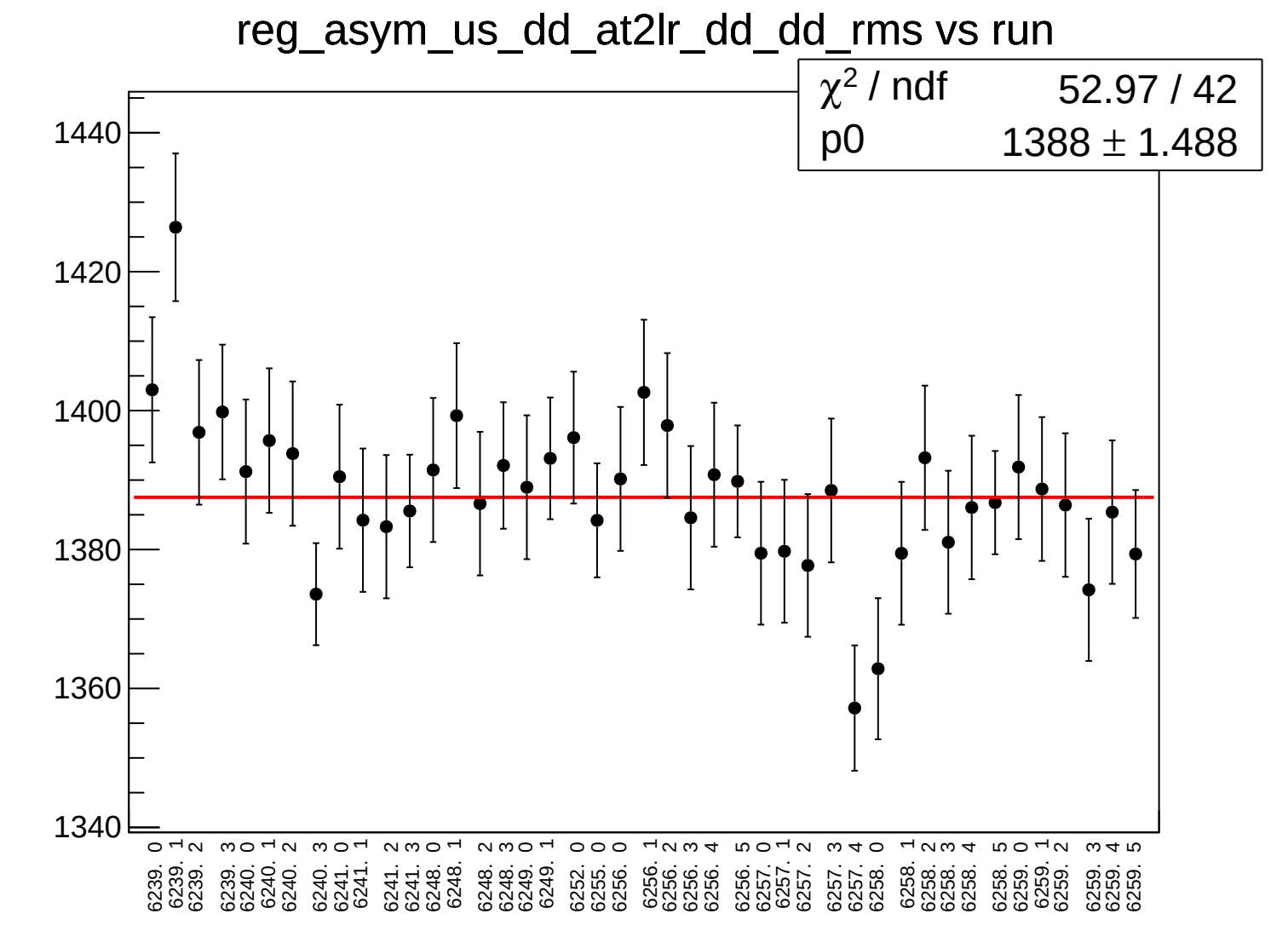

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.469e+04 / 42
p0 116 ± 0.1301
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

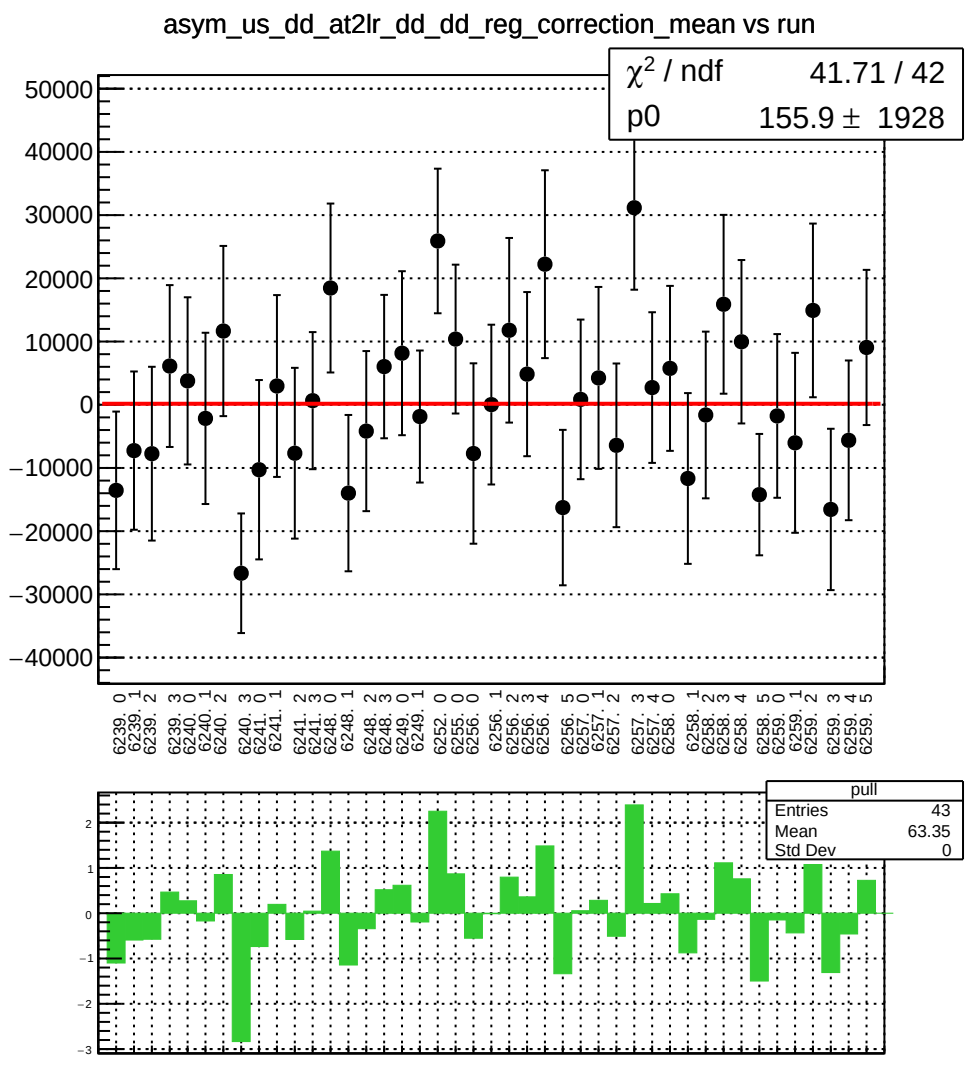

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.57 / 42
p0 1.908e−13 ± 1.384e−13
15
10
5
0
−5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 30.51
Std Dev 11.04
1.5
1
0.5
0
−0.5
−1
−1.5
−2

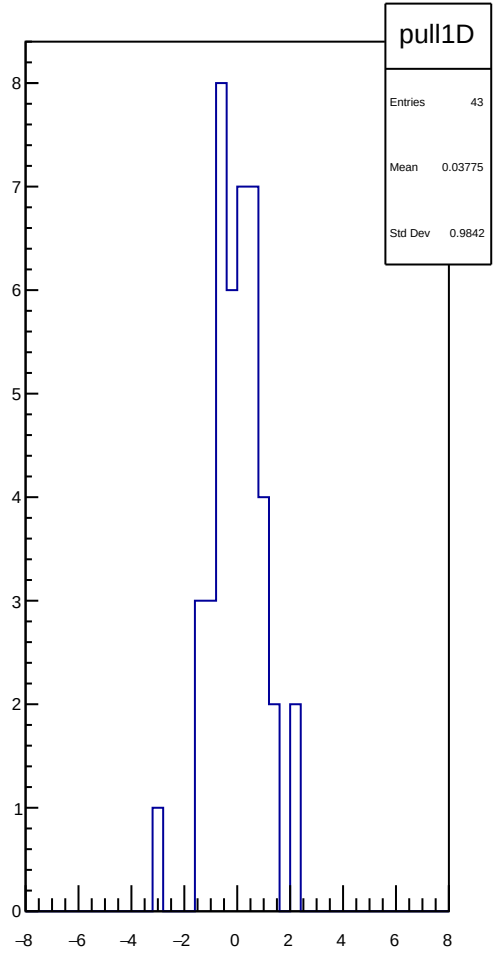

pull1D
Entries 43
Mean −0.1112
Std Dev 0.8632
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

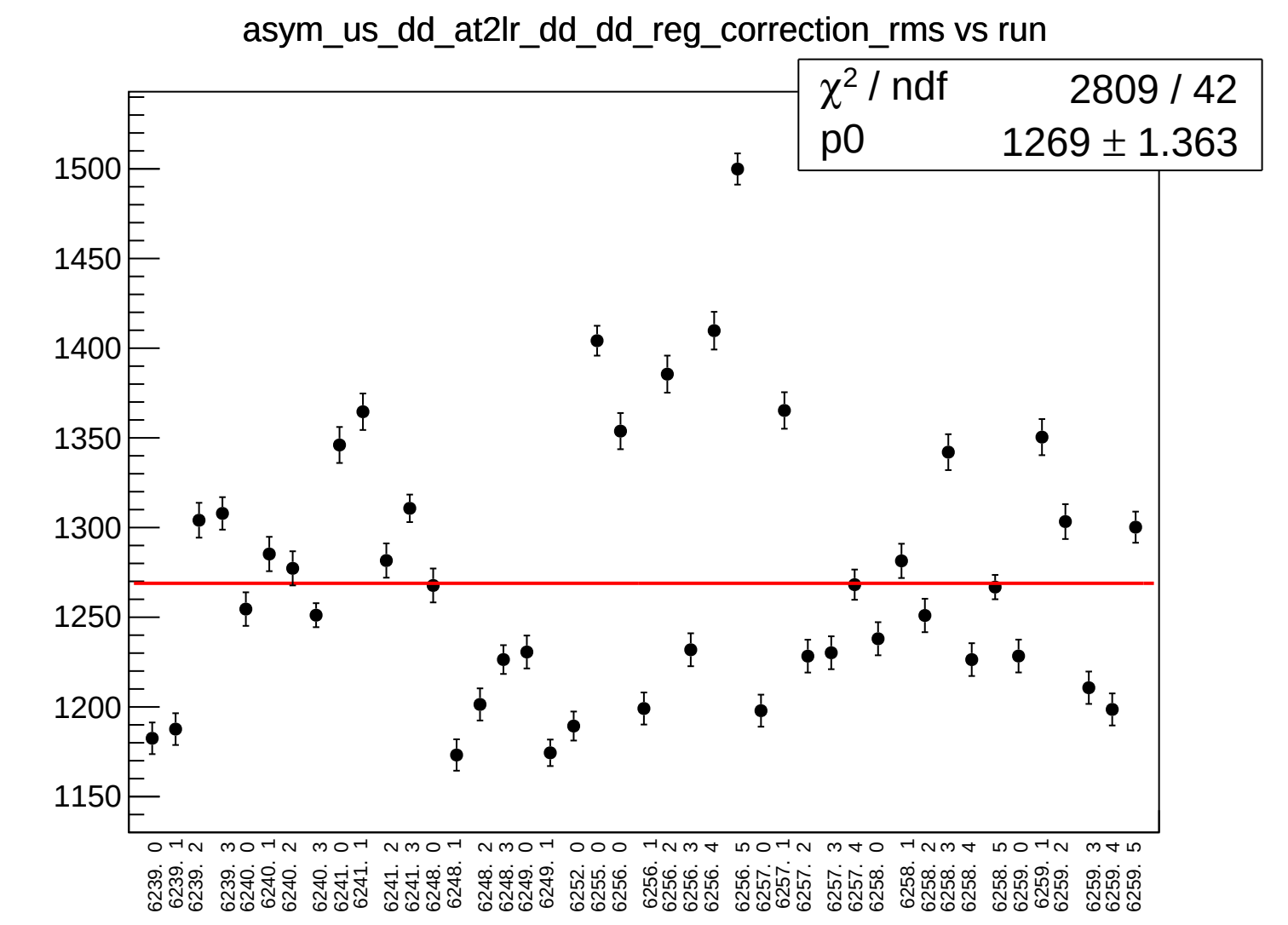

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.967e+05 / 42
p0 7.408e−11 ± 9.788e−14
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

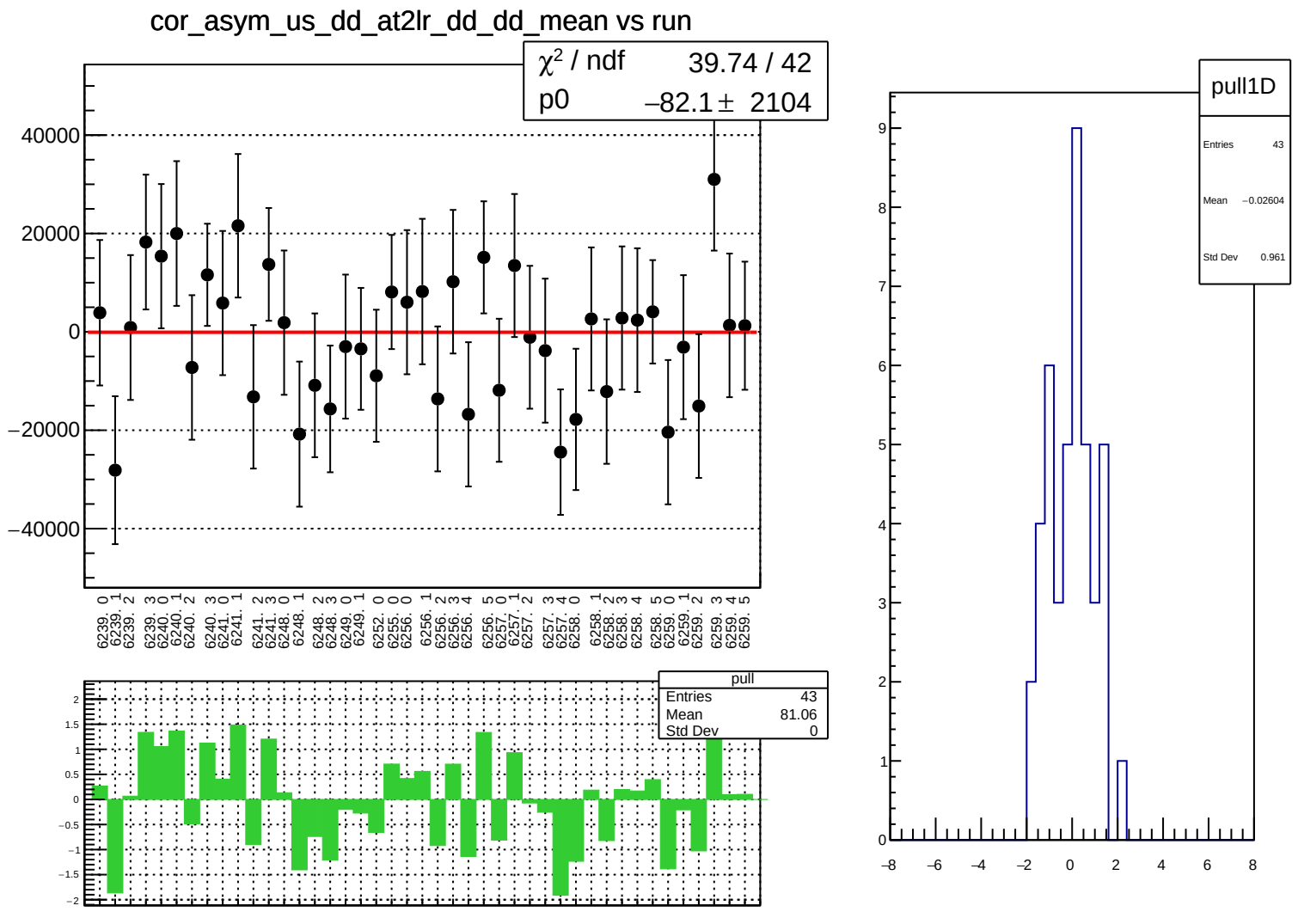

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.74 / 42
p0 −81.65 ± 2104
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02604
Std Dev 0.961
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 52.97 / 42
p0 1388 ± 1.488
1440
1420
1400
1380
1360
1340
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 41.71 / 42
p0 155.9 ± 1928
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 63.35
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03775
Std Dev 0.9842
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2809 / 42
p0 1269 ± 1.363
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.74 / 42
p0 −82.1 ± 2104
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
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6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
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6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02604
Std Dev 0.961
9
8
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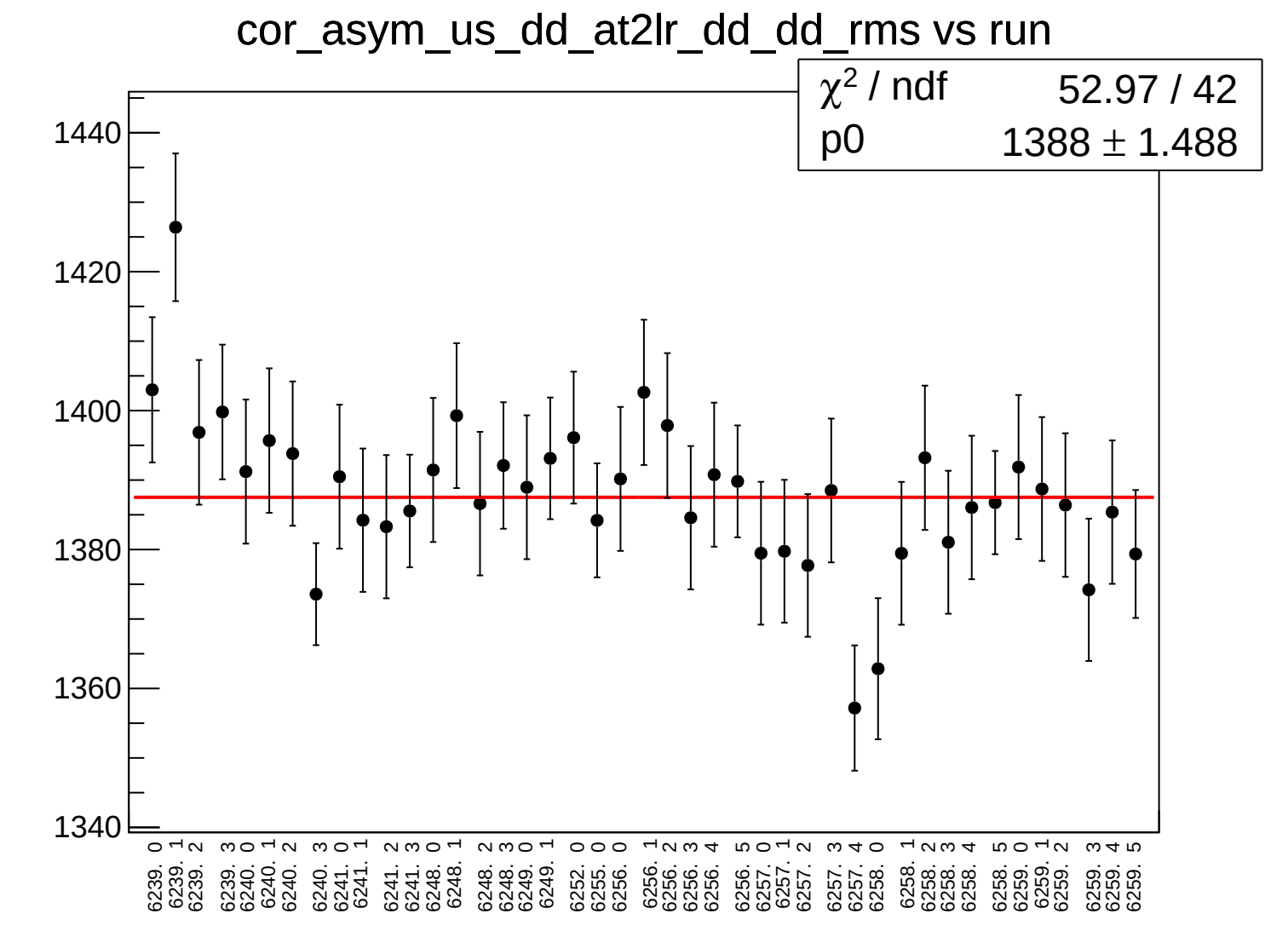
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 52.97 / 42
p0 1388 ± 1.488
1440
1420
1400
1380
1360
1340
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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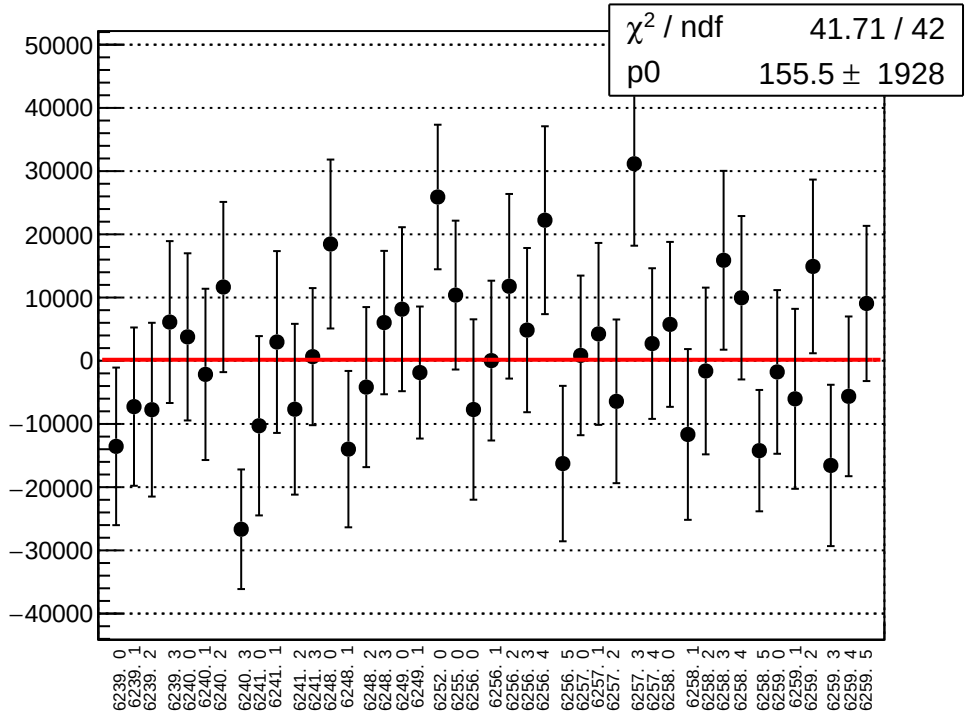
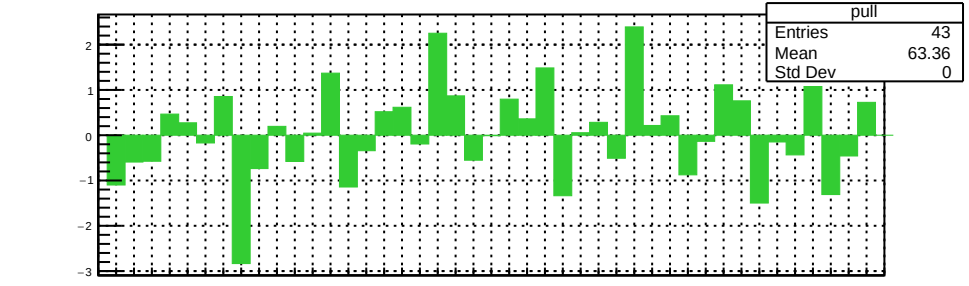
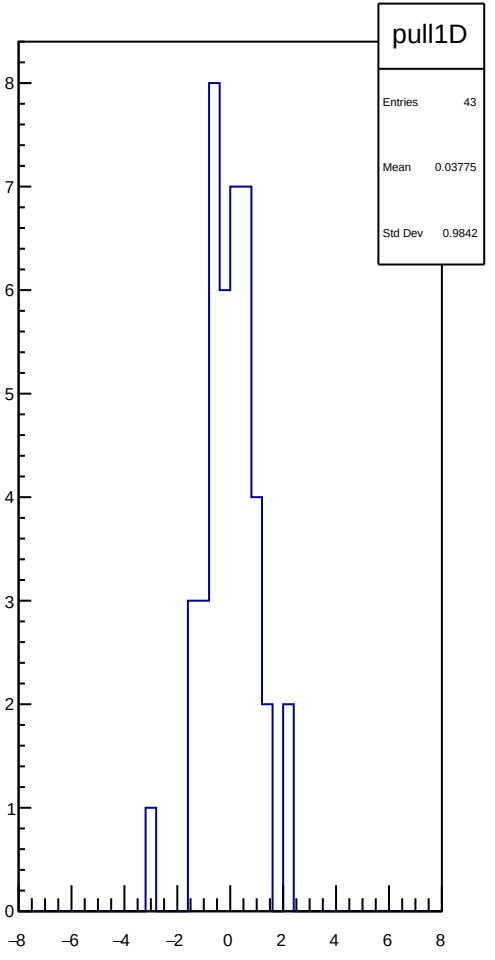
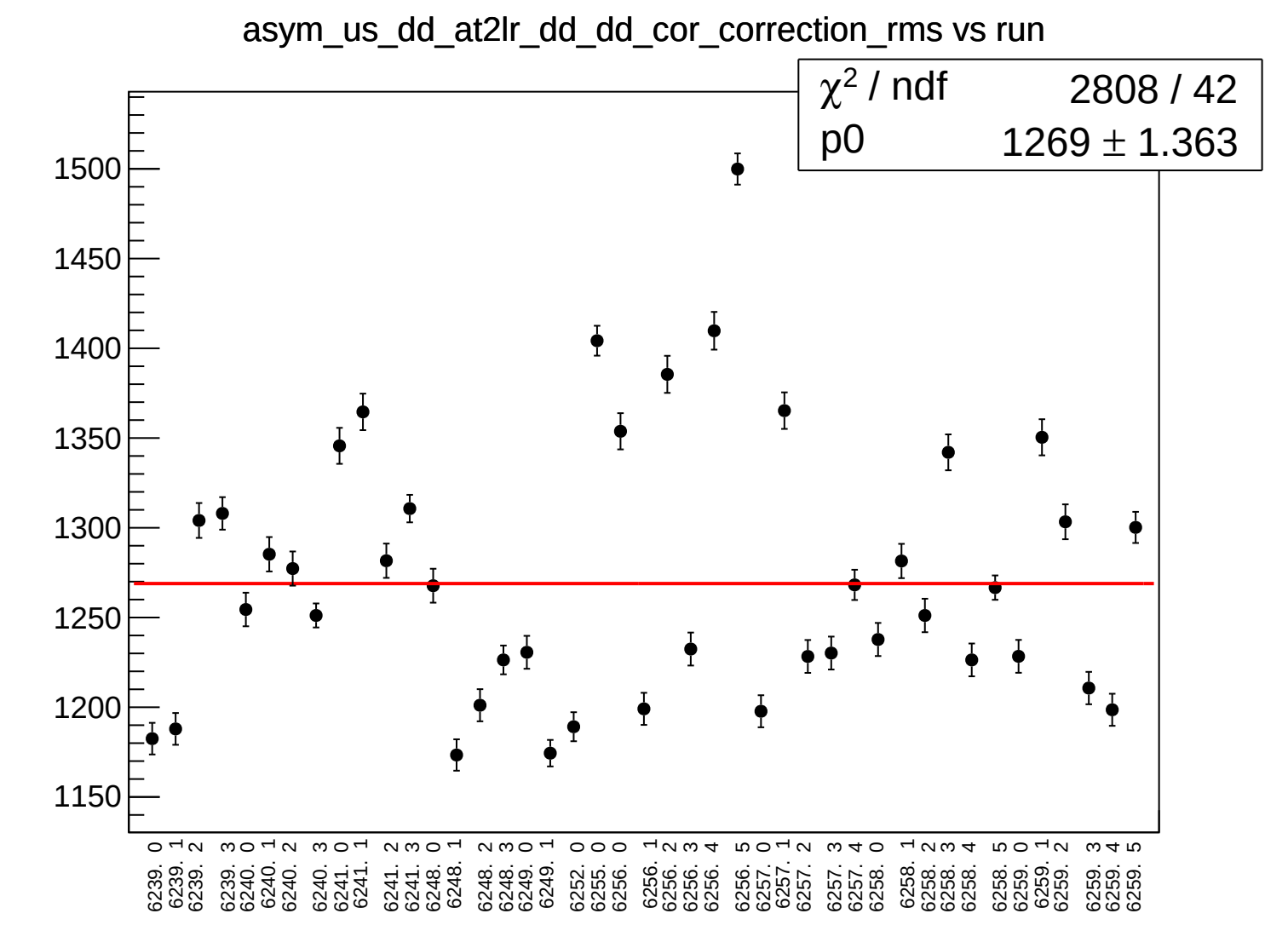
6259. 2
6259. 3
6259. 4
6259. 5

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run




asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2808 / 42
p0 1269 ± 1.363
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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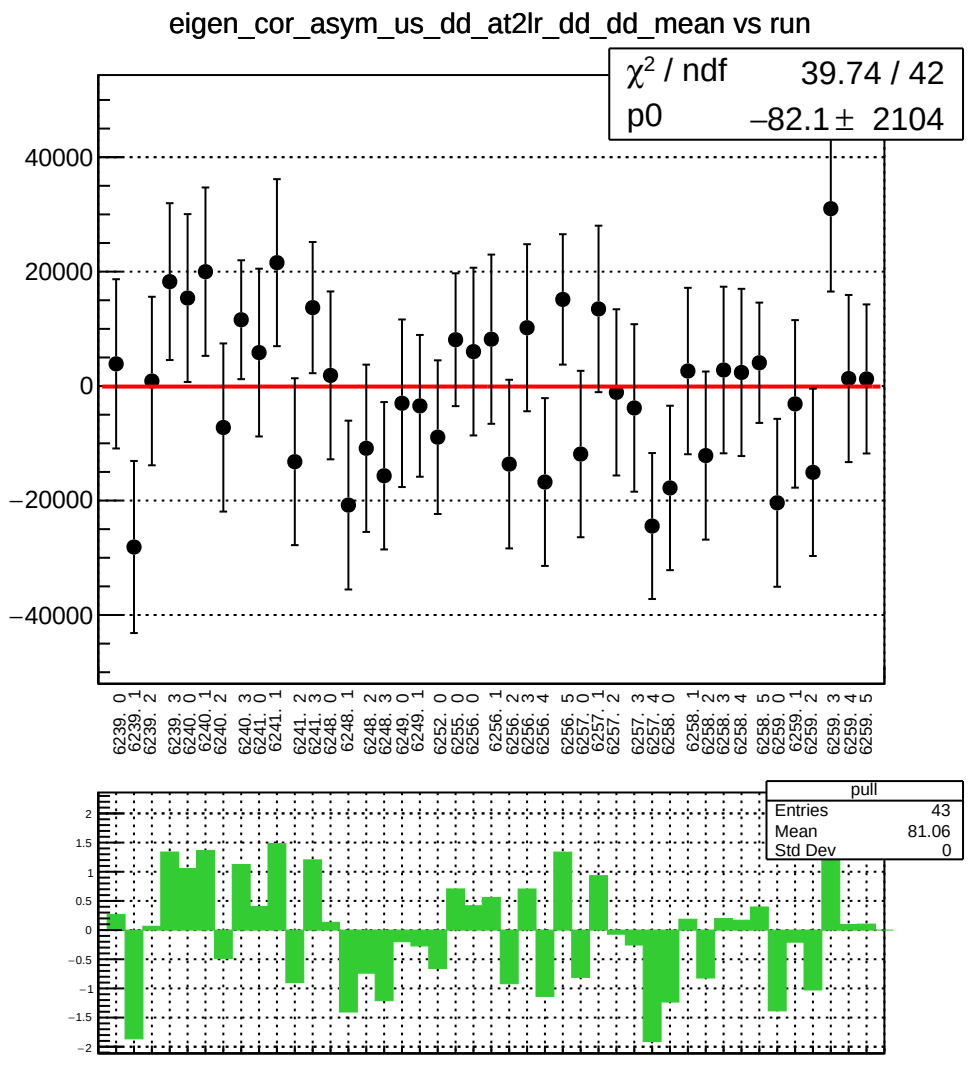
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.74 / 42
p0 −82.1 ± 2104
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
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6256. 2
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6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
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6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02604
Std Dev 0.961
9
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3
2
1
0
−8
−6
−4
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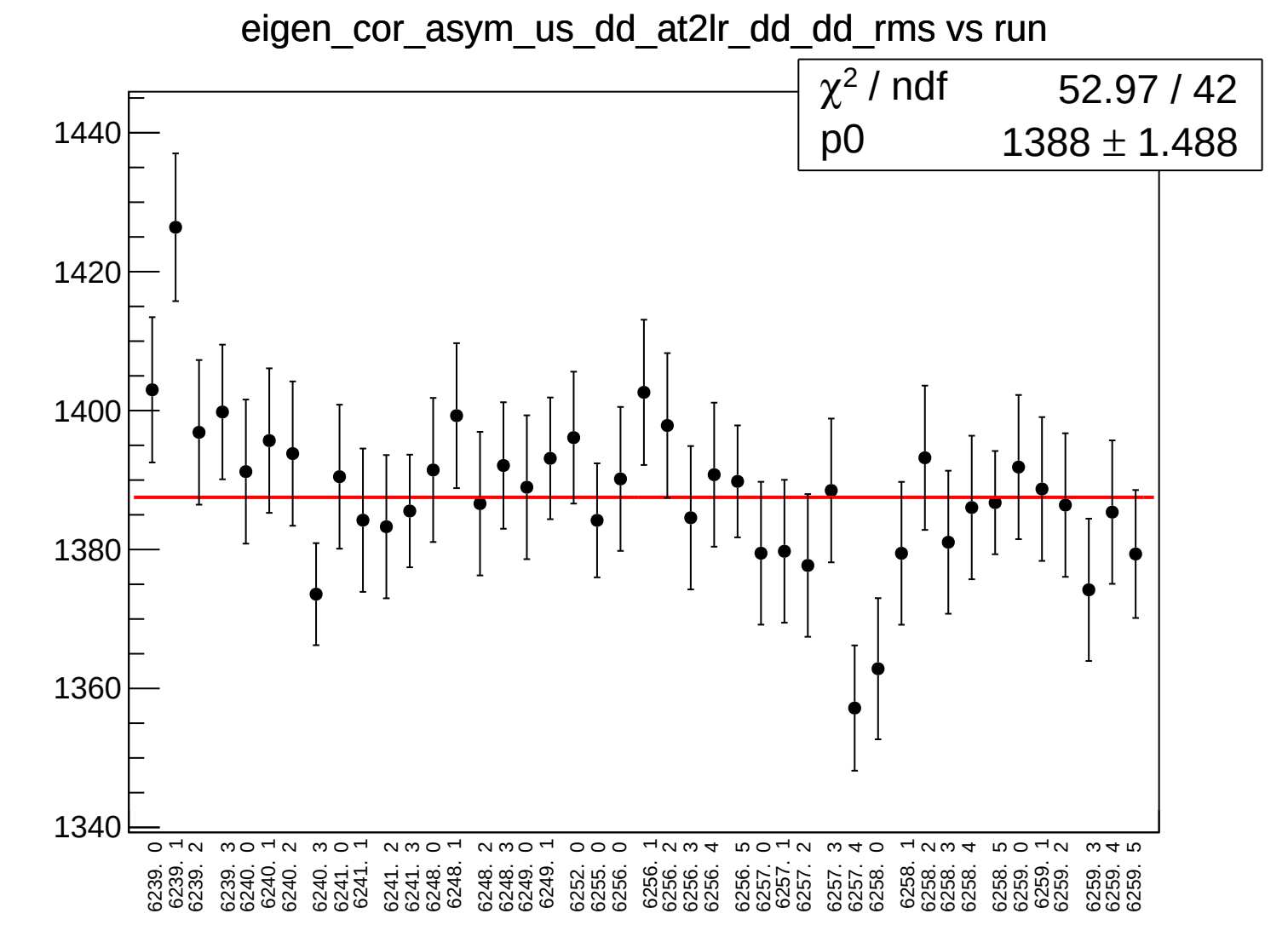
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 52.97 / 42
p0 1388 ± 1.488
1440
1420
1400
1380
1360
1340
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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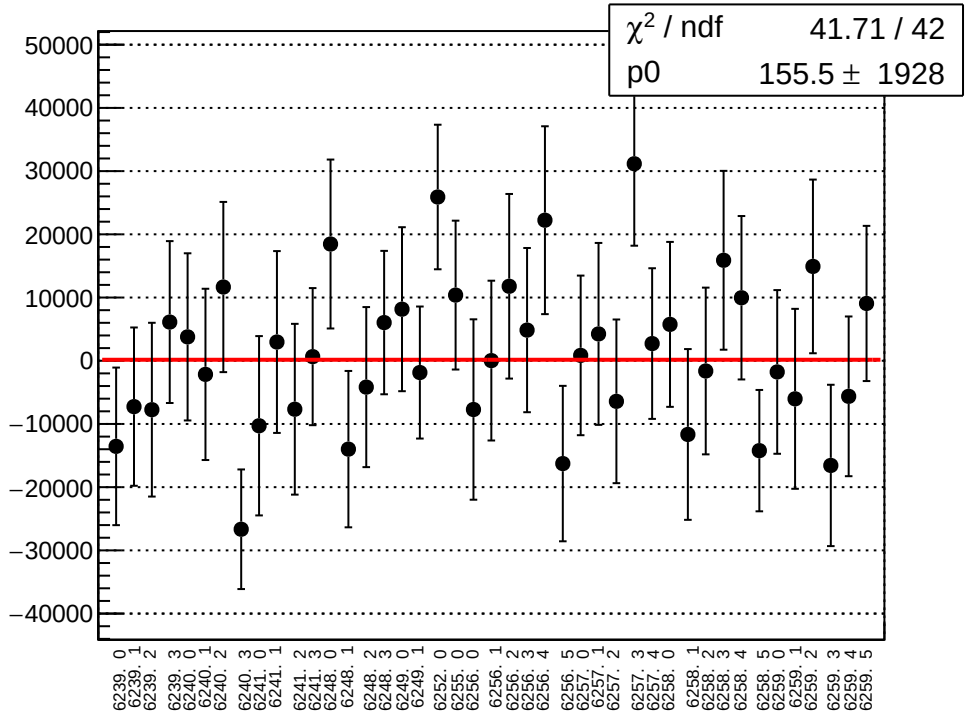
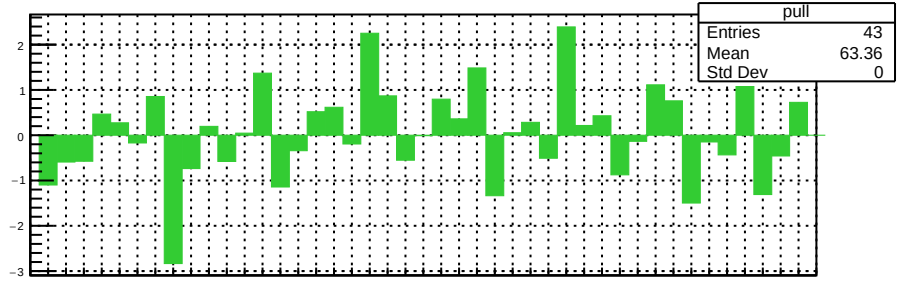
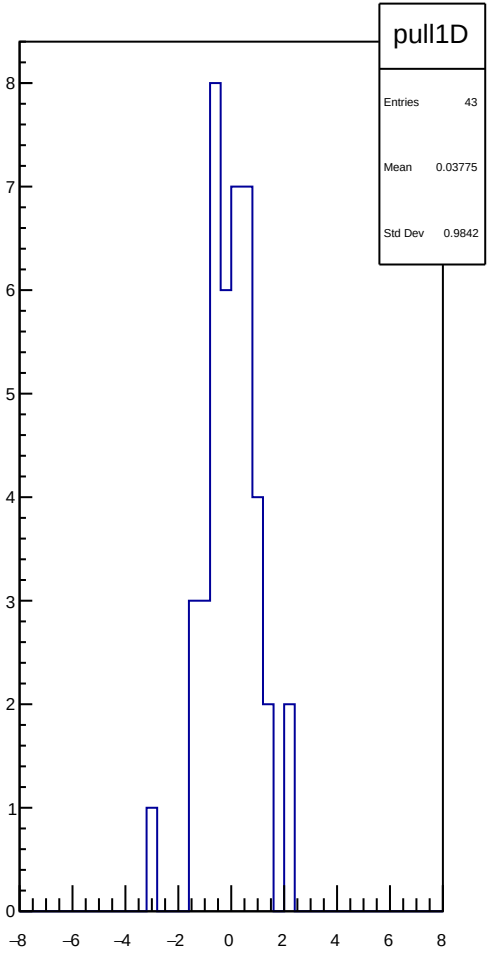
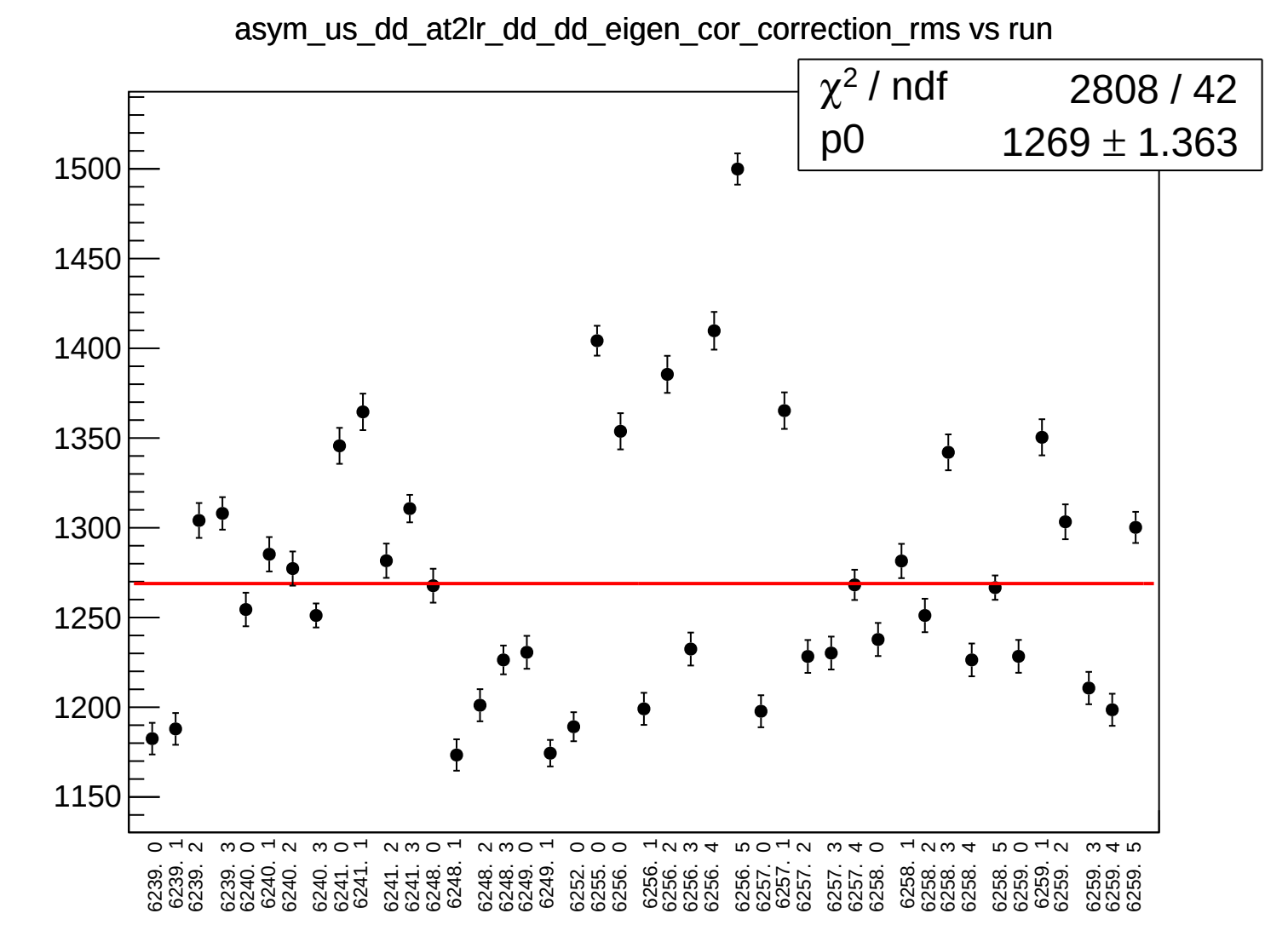
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run




asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2808 / 42
p0 1269 ± 1.363
1500
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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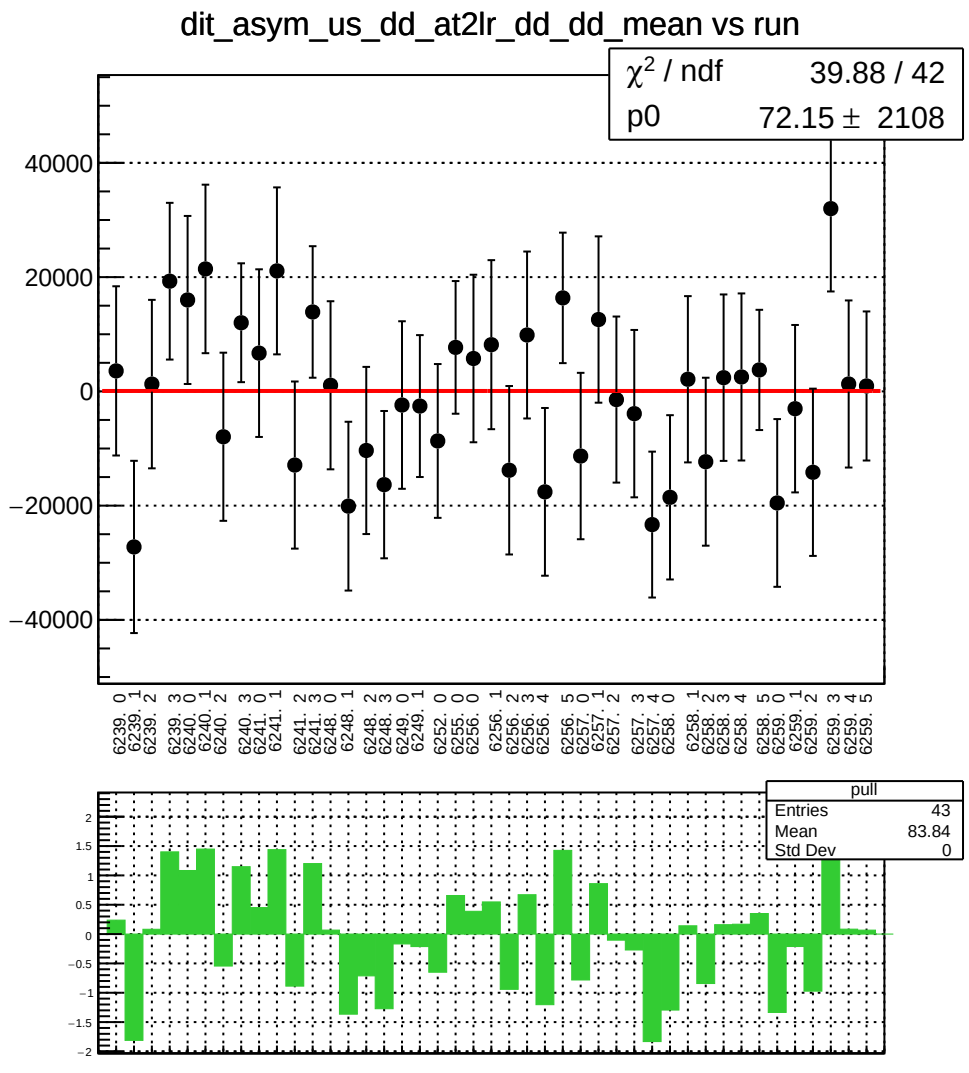
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.88 / 42
p0 72.15 ± 2108
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
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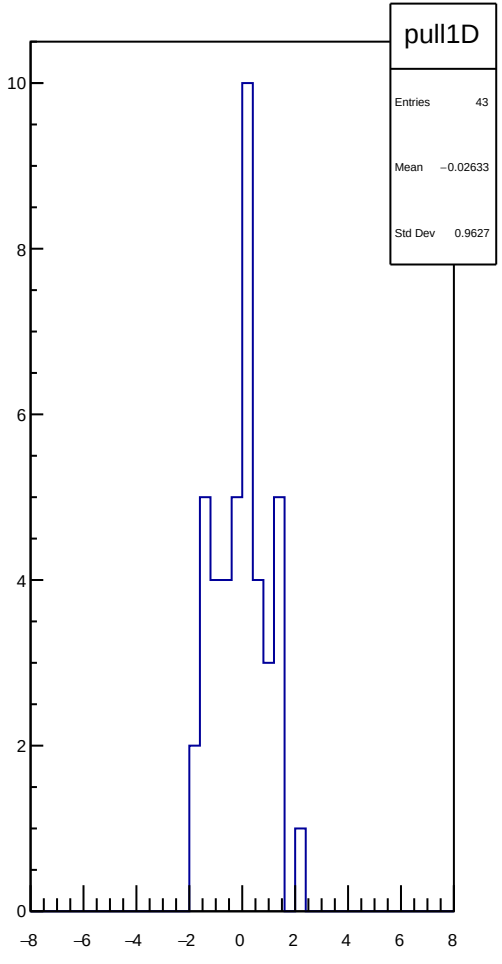
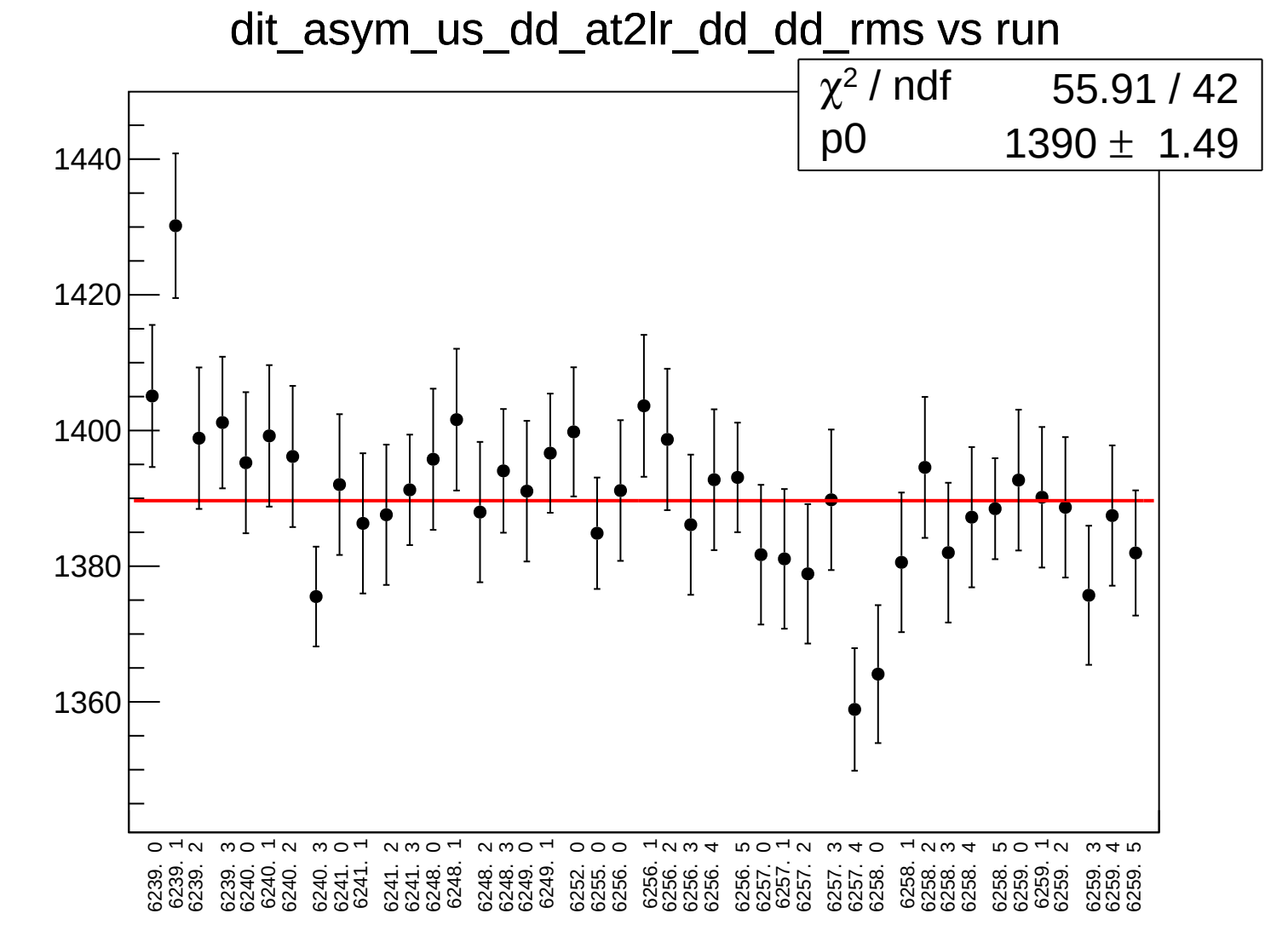
pull
Entries 43
Mean 83.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.02633
Std Dev 0.9627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 55.91 / 42
p0 1390 ± 1.49
1440
1420
1400
1380
1360
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
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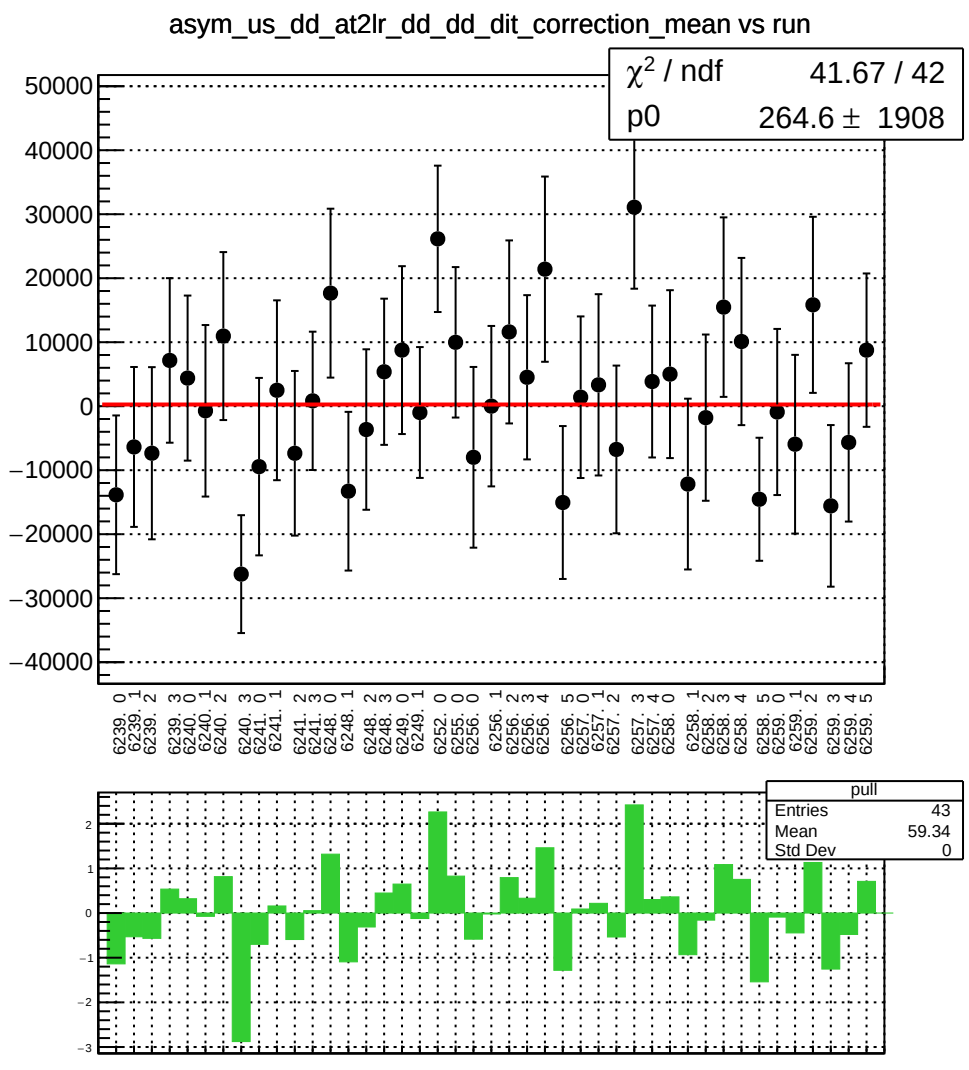
6259. 5


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 41.67 / 42
p0 264.6 ± 1908
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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pull
Entries 43
Mean 59.34
Std Dev 0
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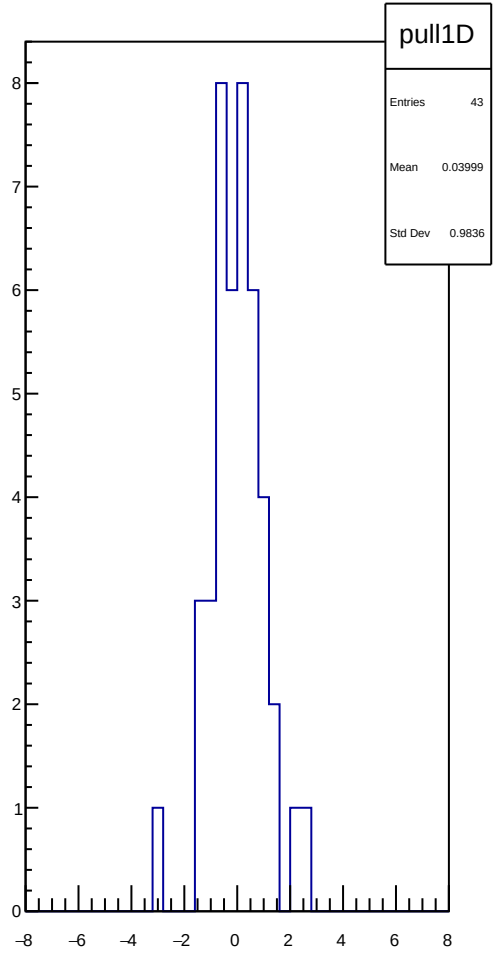
1
0
−1
−2
−3


pull1D
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Mean 0.03999
Std Dev 0.9836
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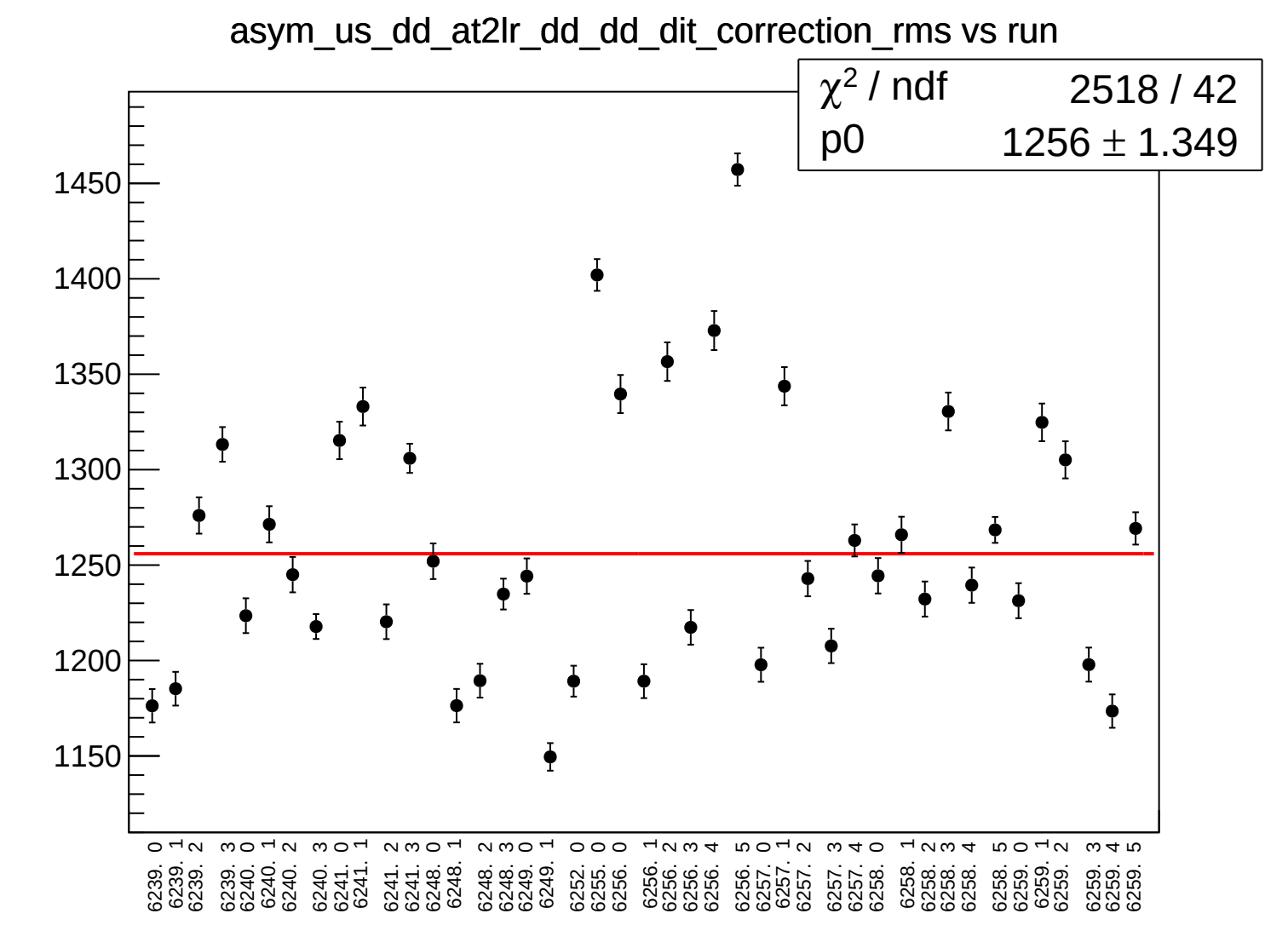
6
8


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2518 / 42
p0 1256 ± 1.349
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
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6240. 0
6240. 1
6240. 2
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6241. 0
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6241. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
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6259. 2
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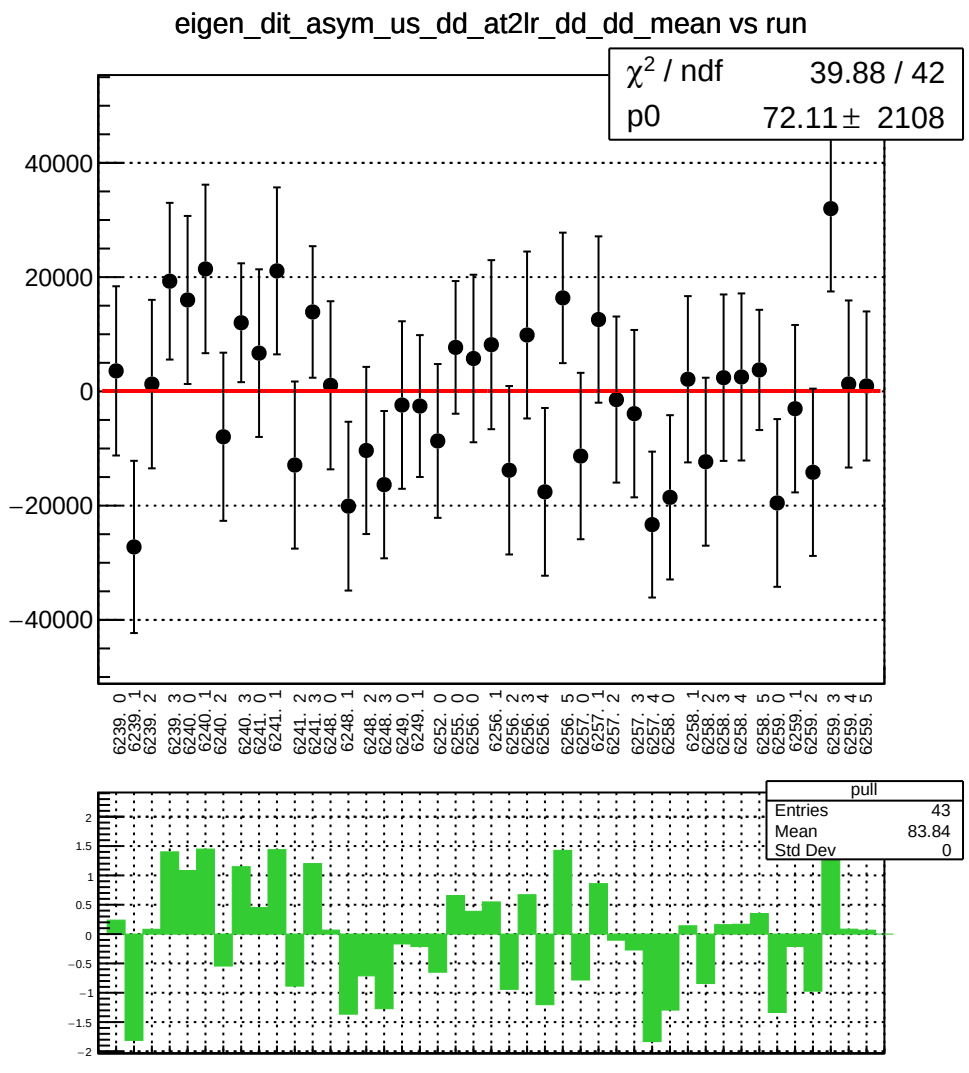
6259. 4
6259. 5


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.88 / 42
p0 72.11 ± 2108
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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6256. 5
6257. 0
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6257. 2
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6258. 0
6258. 1
6258. 2
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6259. 5
pull
Entries 43
Mean 83.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.02633
Std Dev 0.9627
10
8
6
4
2
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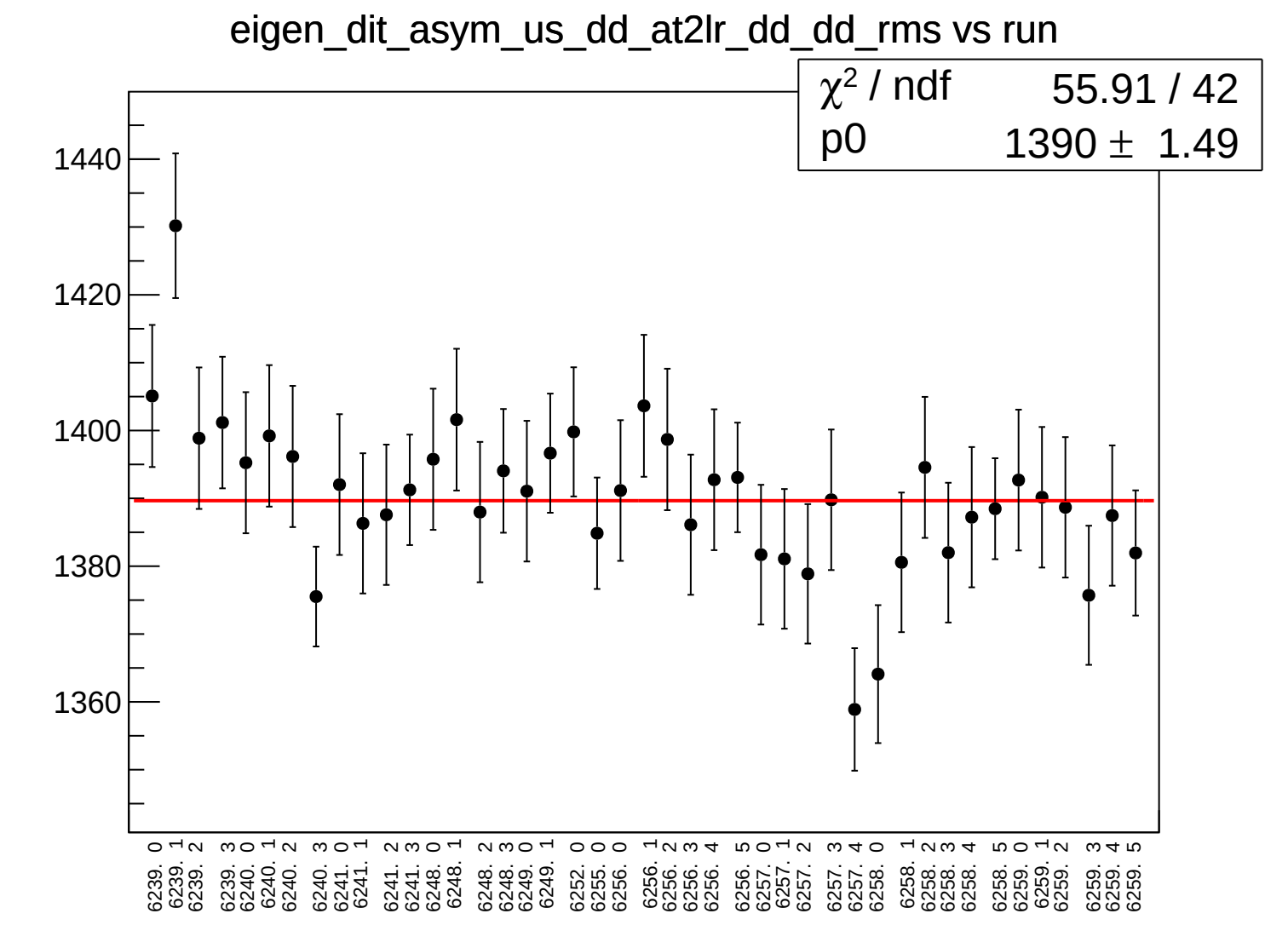
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 55.91 / 42
p0 1390 ± 1.49
1440
1420
1400
1380
1360
6239. 0
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6239. 2
6239. 3
6240. 0
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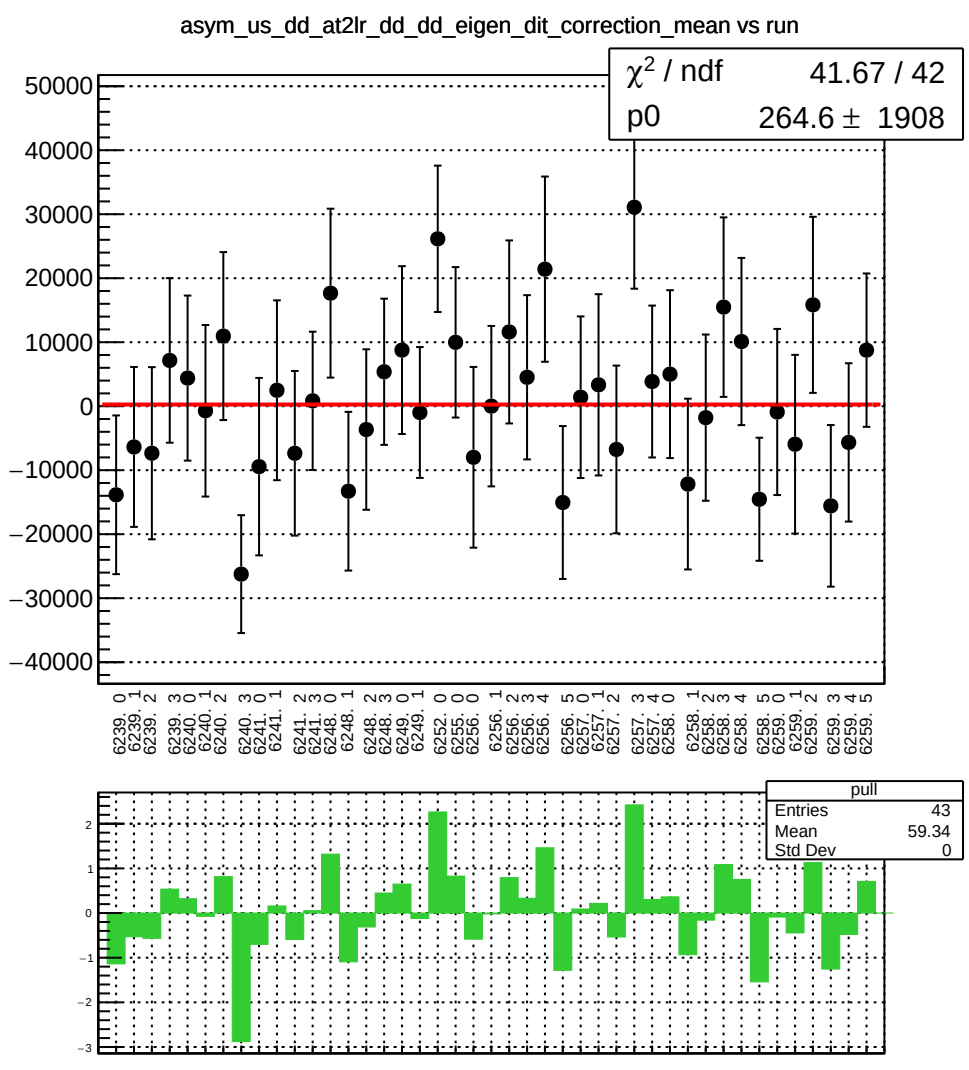
asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.67 / 42
p0 264.6 ± 1908
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
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6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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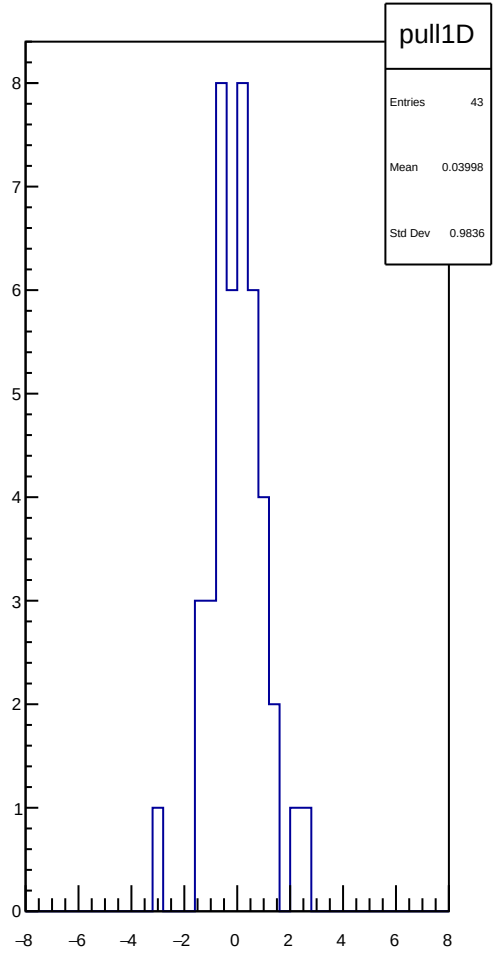
6259. 4
6259. 5
pull
Entries 43
Mean 59.34
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03998
Std Dev 0.9836
8
7
6
5
4
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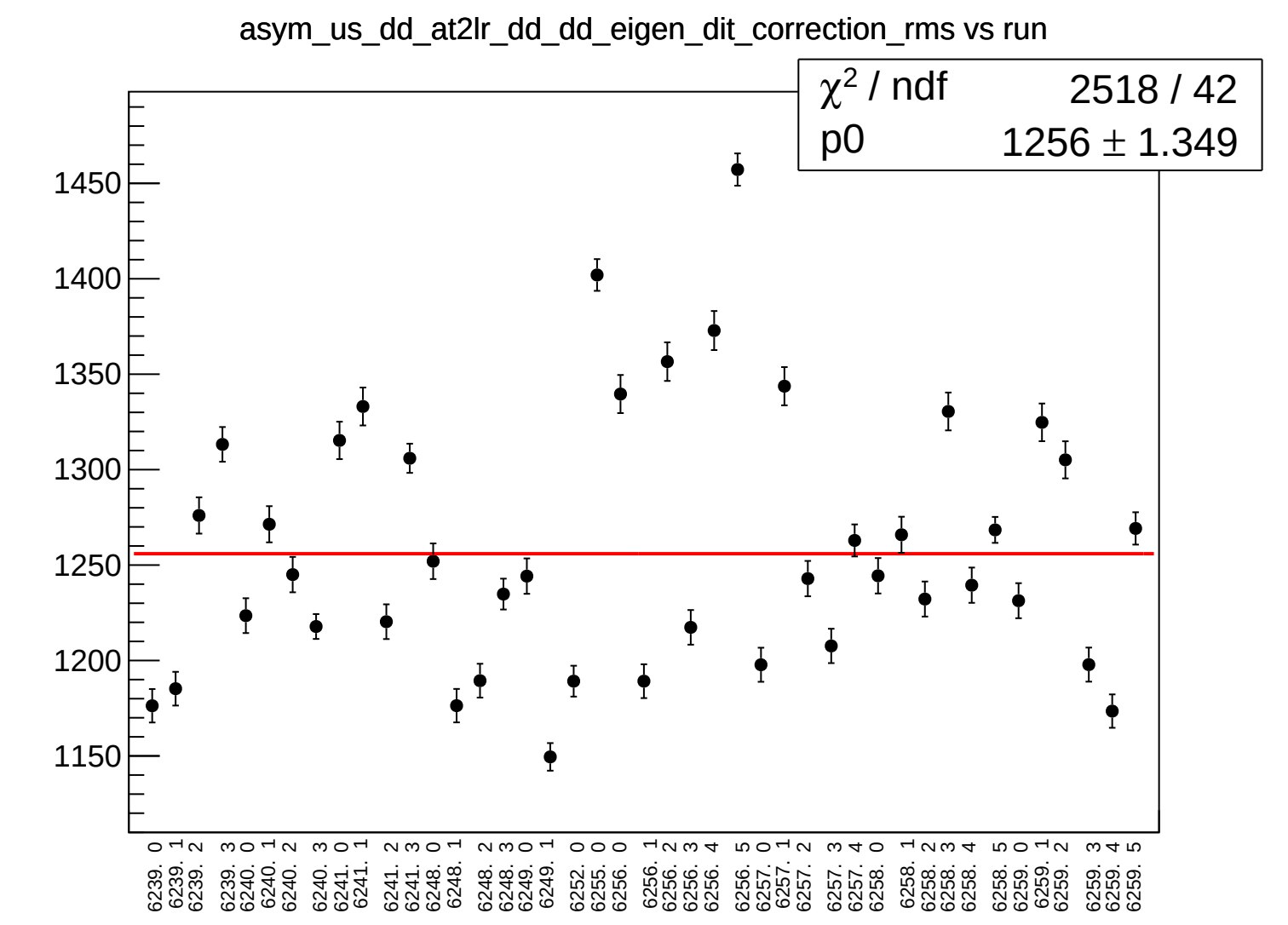
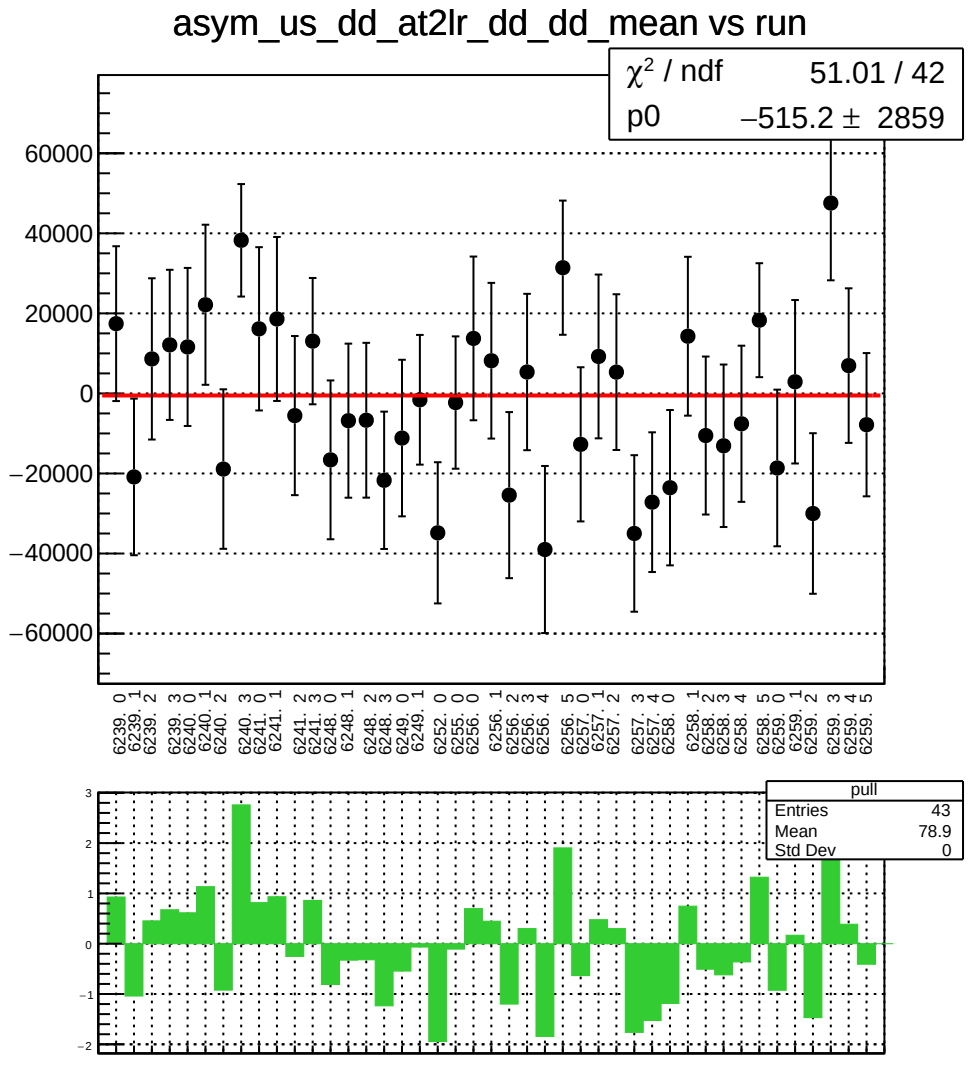
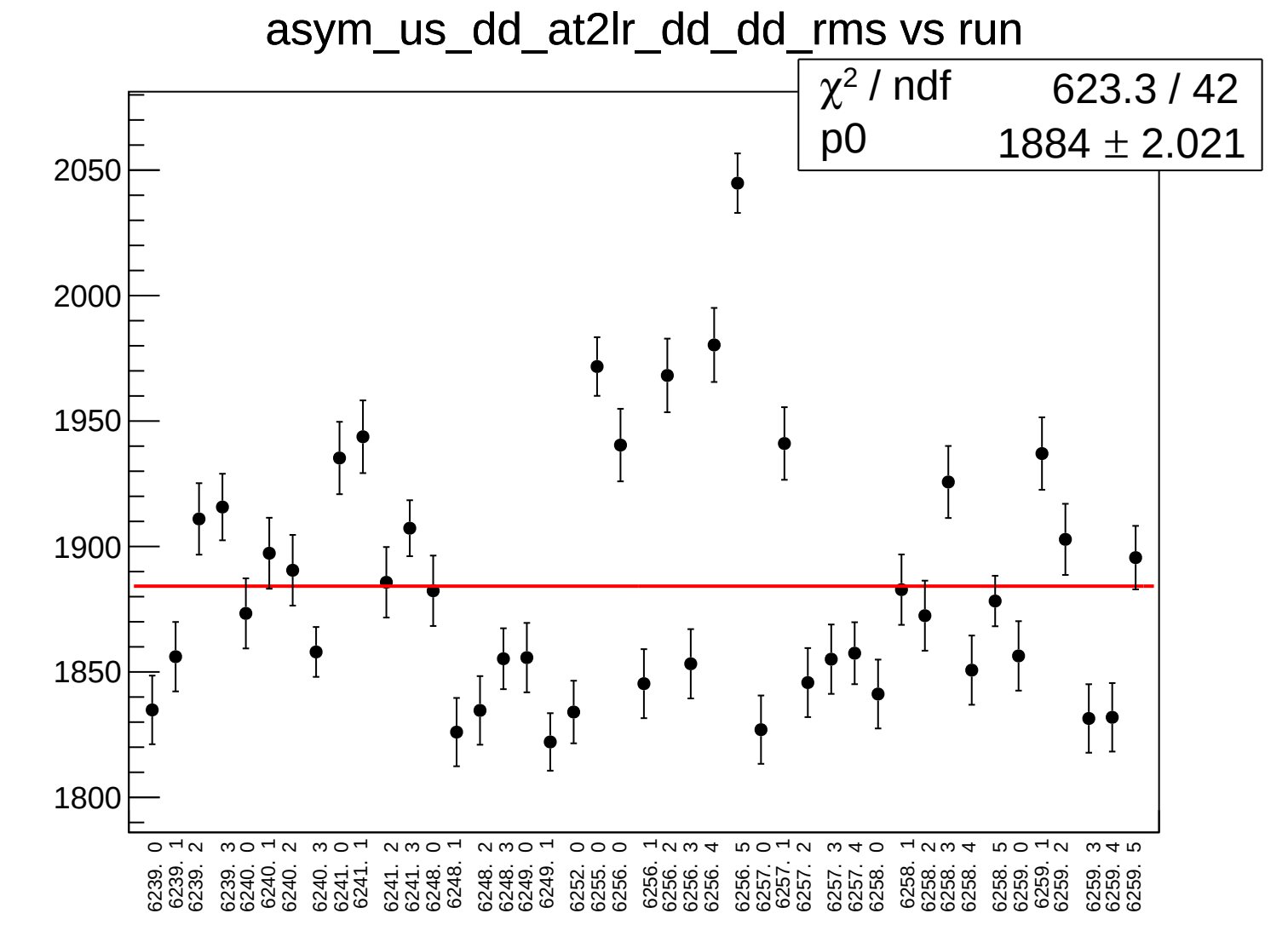
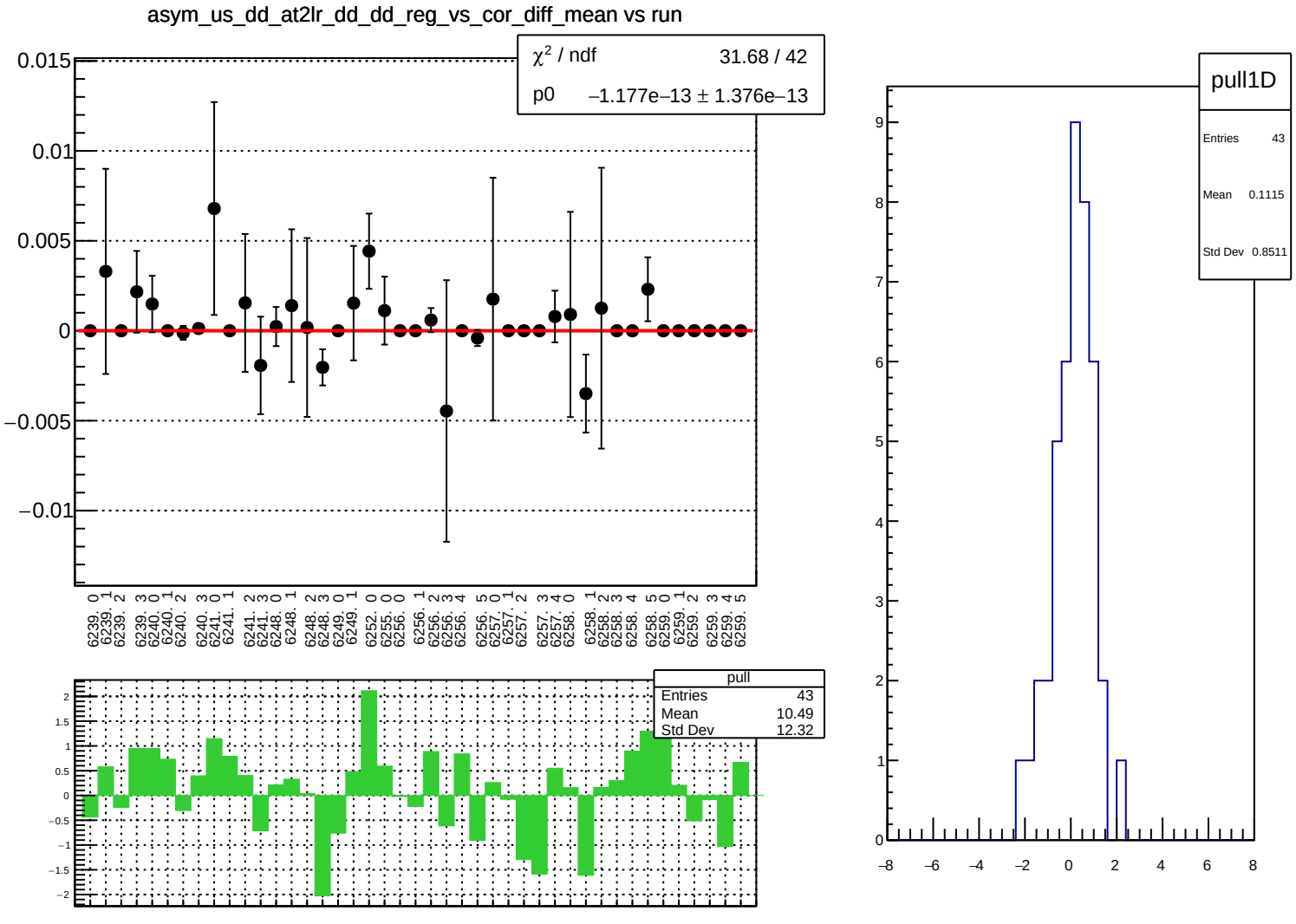
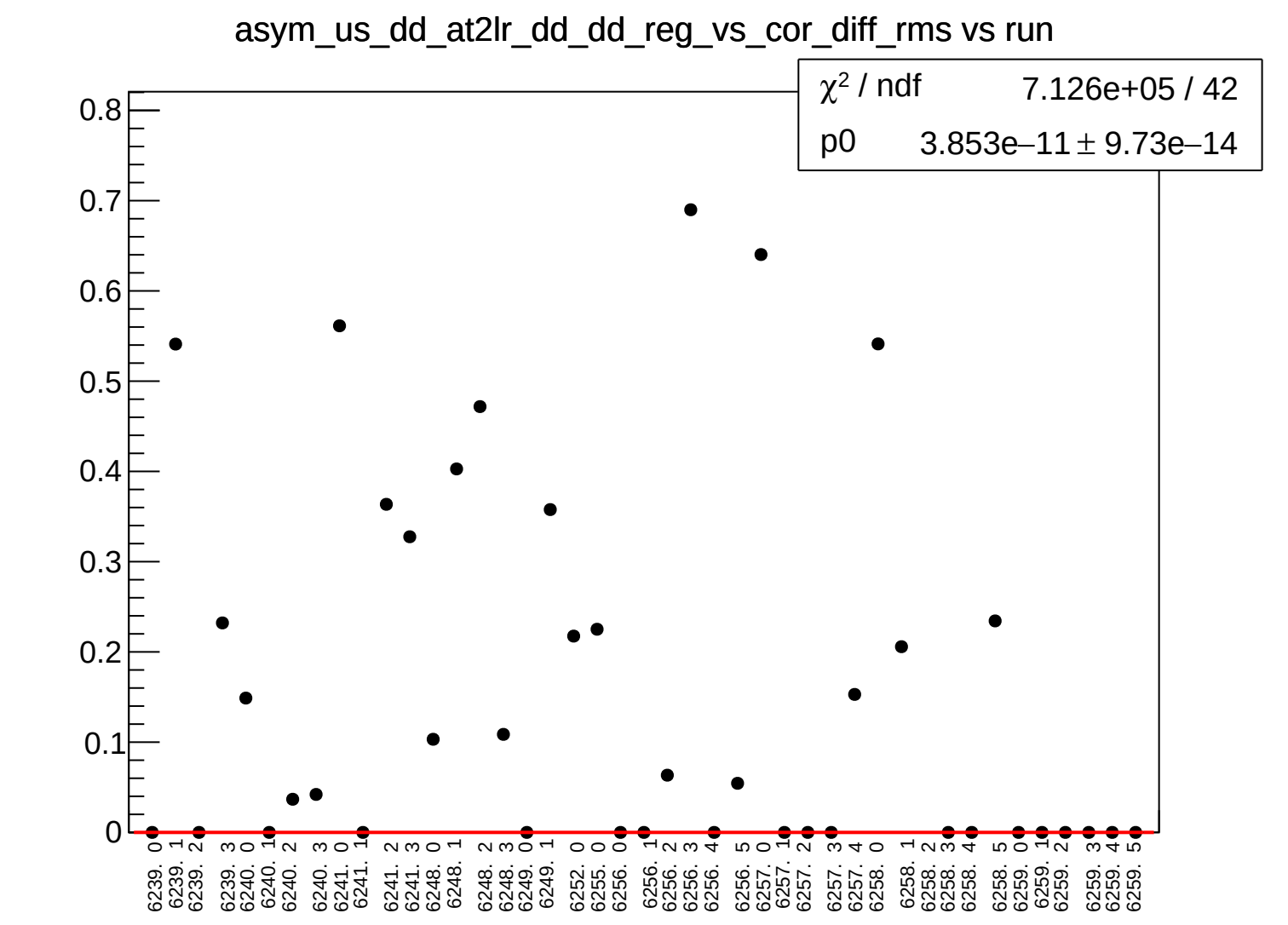
2
4
6
8

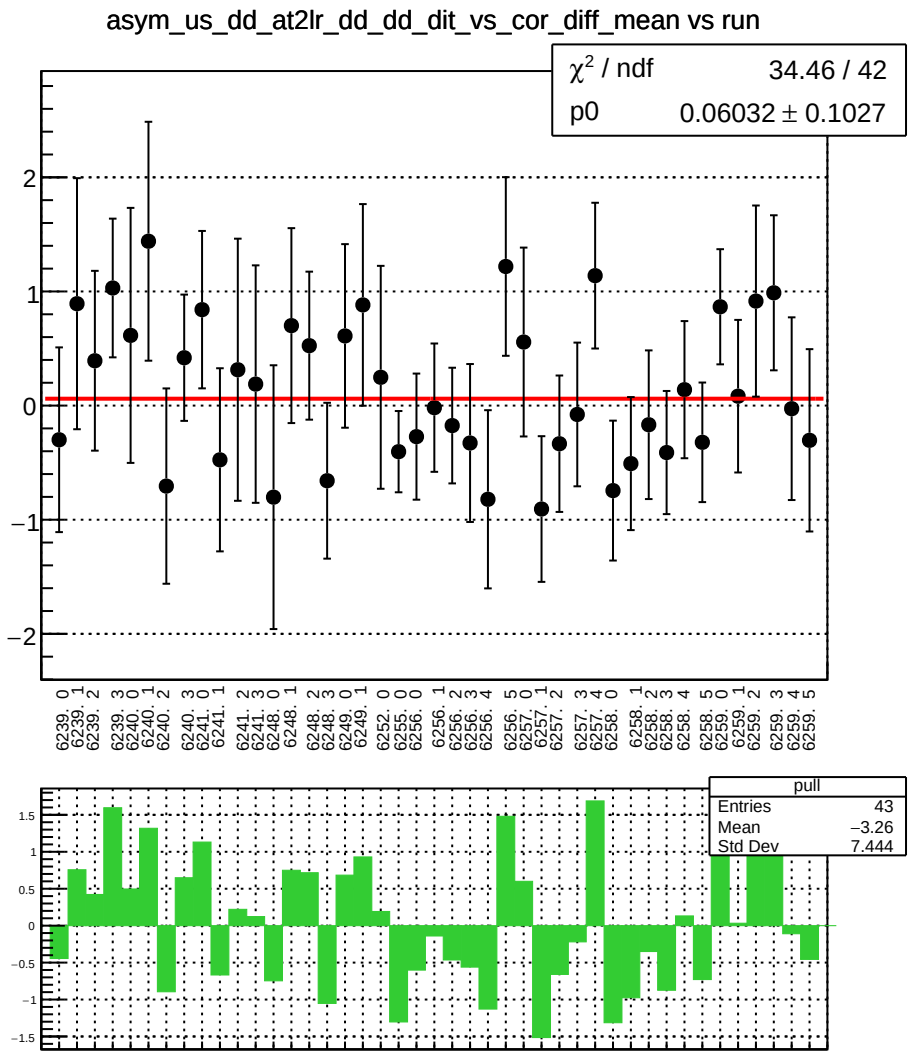

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2518 / 42
p0 1256 ± 1.349
1450
1400
1350
1300
1250
1200
1150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

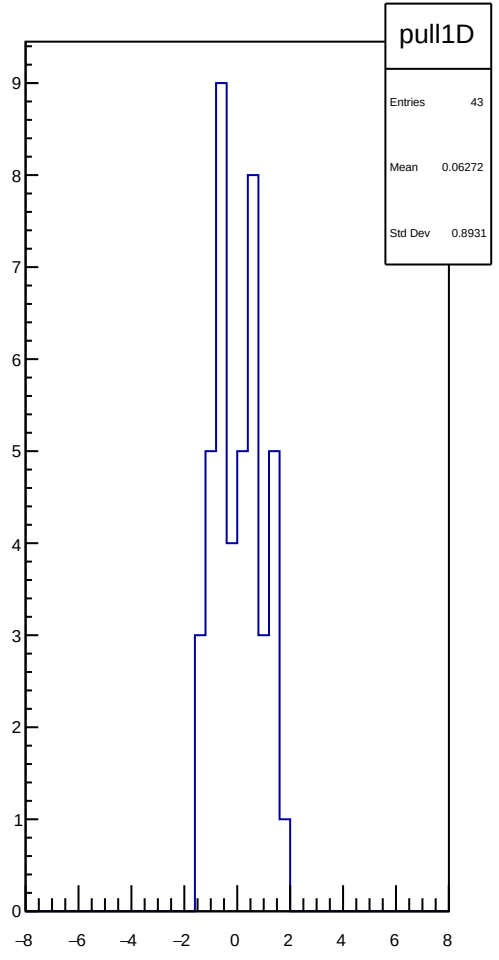

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 51.01 / 42
p0 −515.2 ± 2859
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 78.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03731
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

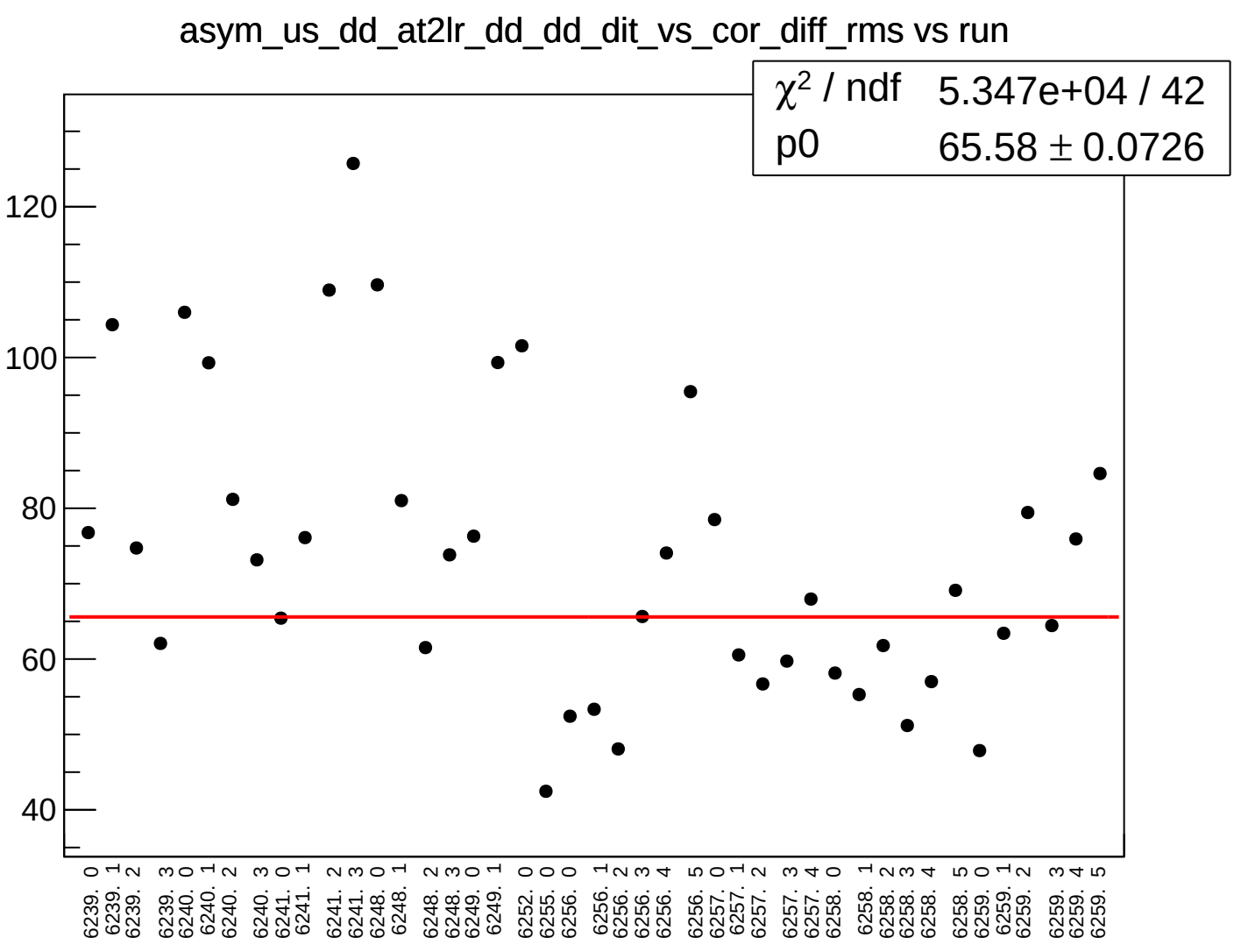

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 623.3 / 42
p0 1884 ± 2.021
2050
2000
1950
1900
1850
1800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

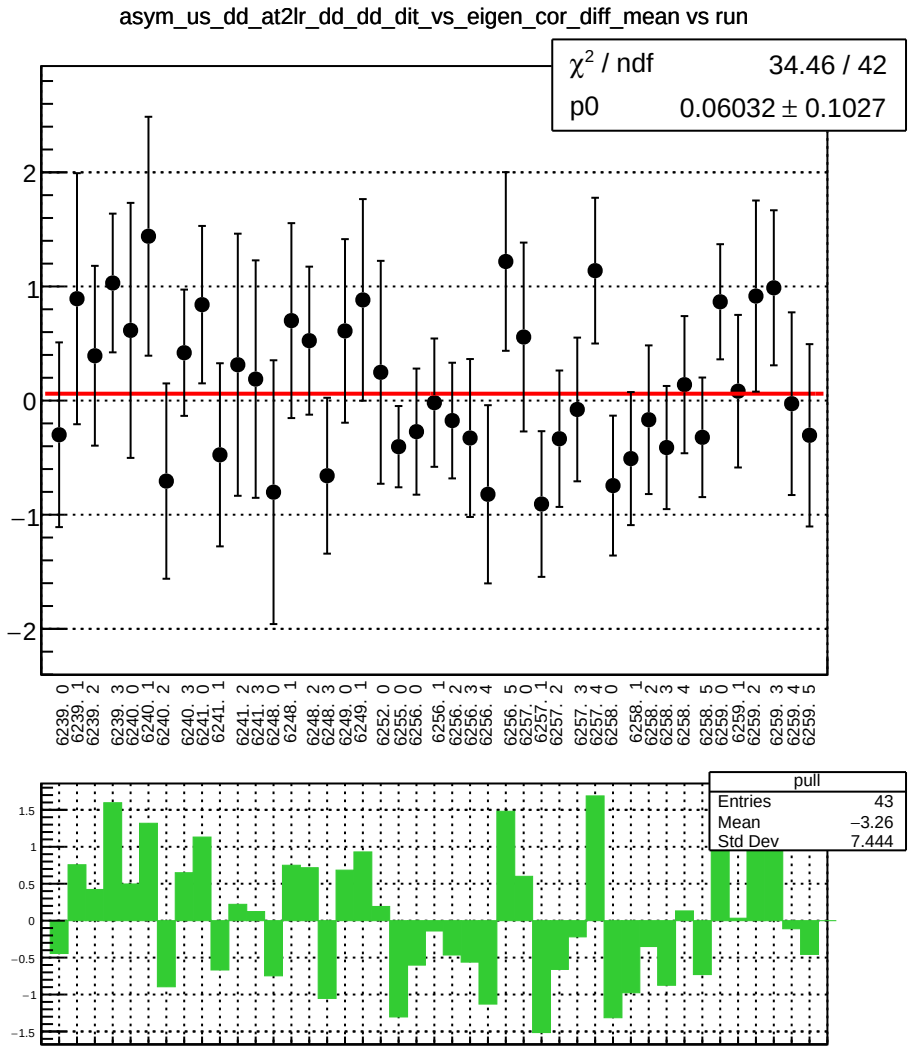

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.68 / 42
p0 −1.177e−13 ± 1.376e−13
0.015
0.01
0.005
0
−0.005
−0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.49
Std Dev 12.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1115
Std Dev 0.8511
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

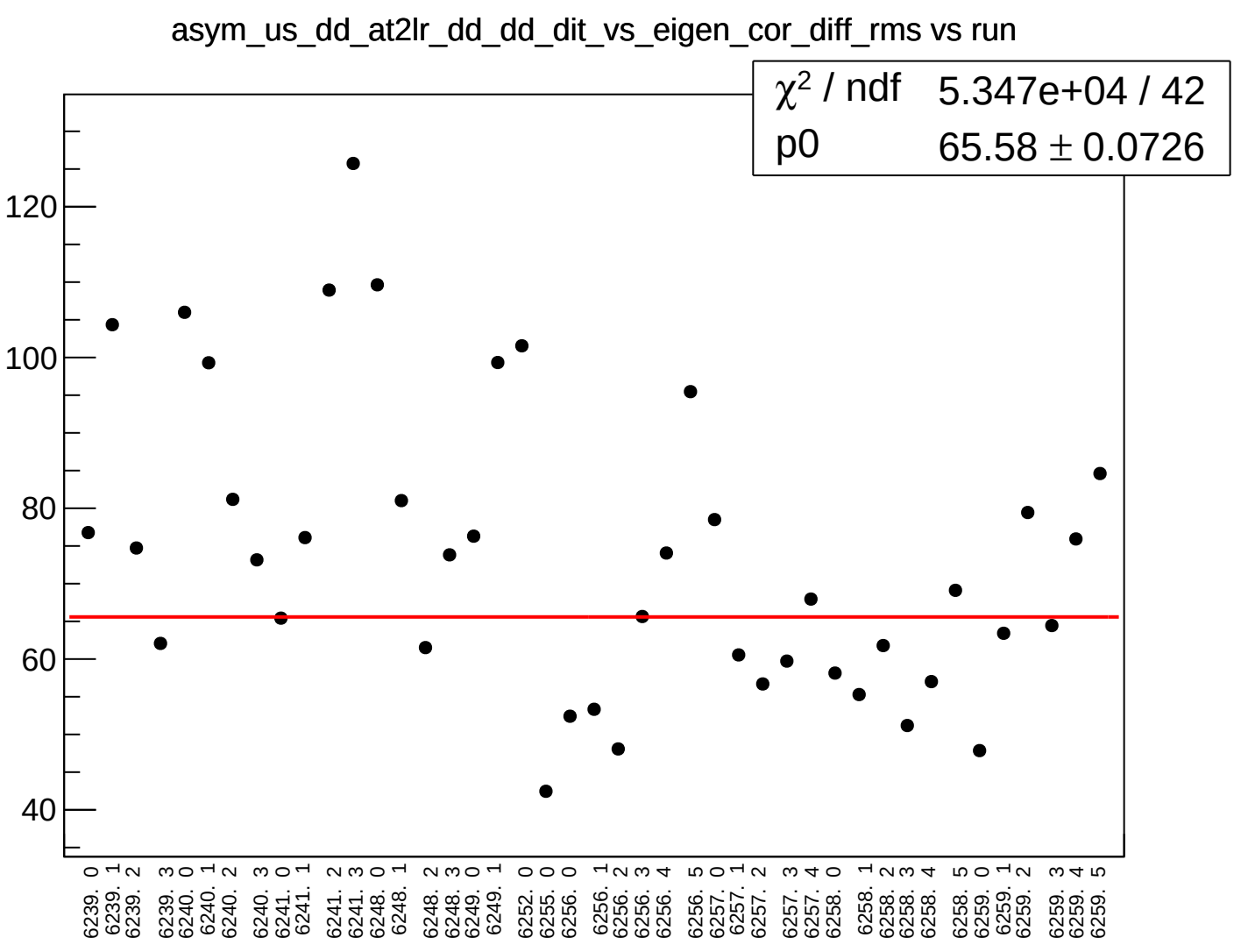

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.126e+05 / 42
p0 3.853e−11 ± 9.73e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

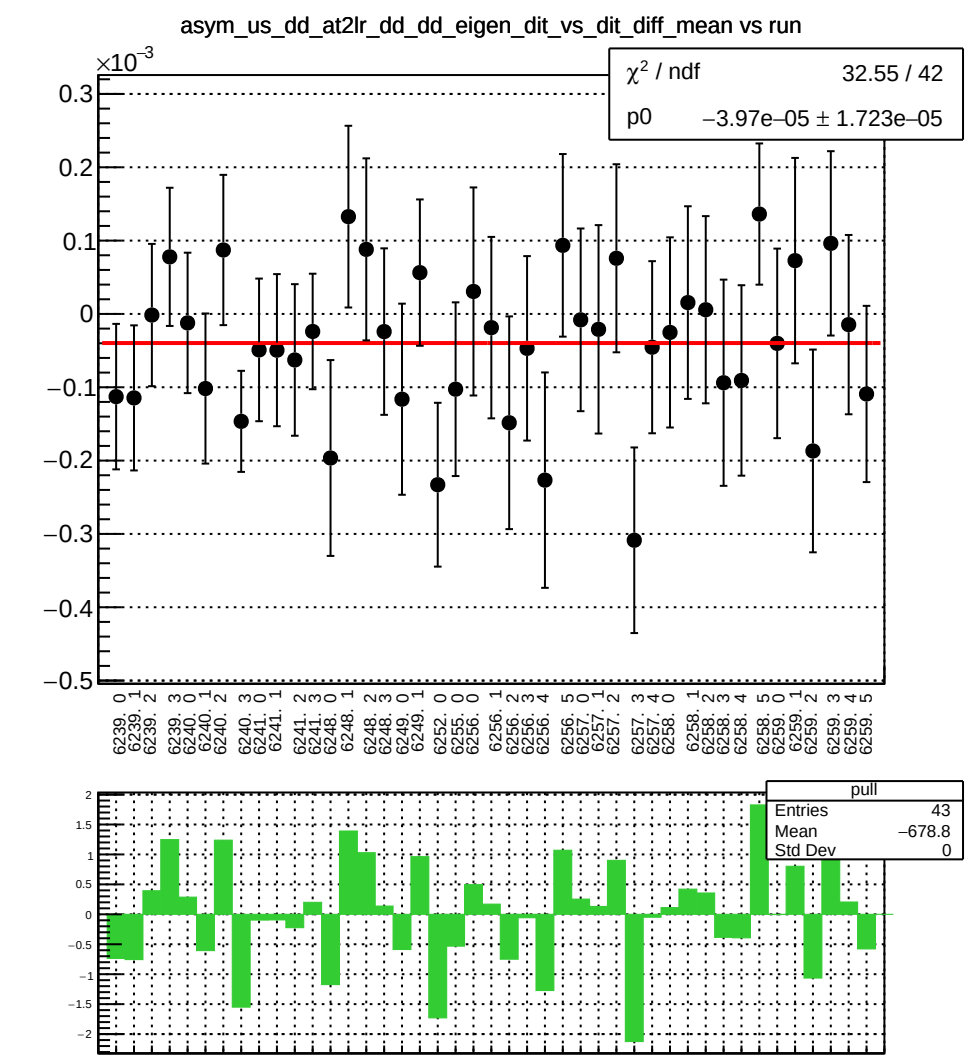

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.46 / 42
p0 0.06032 ± 0.1027
pull
Entries 43
Mean −3.26
Std Dev 7.444

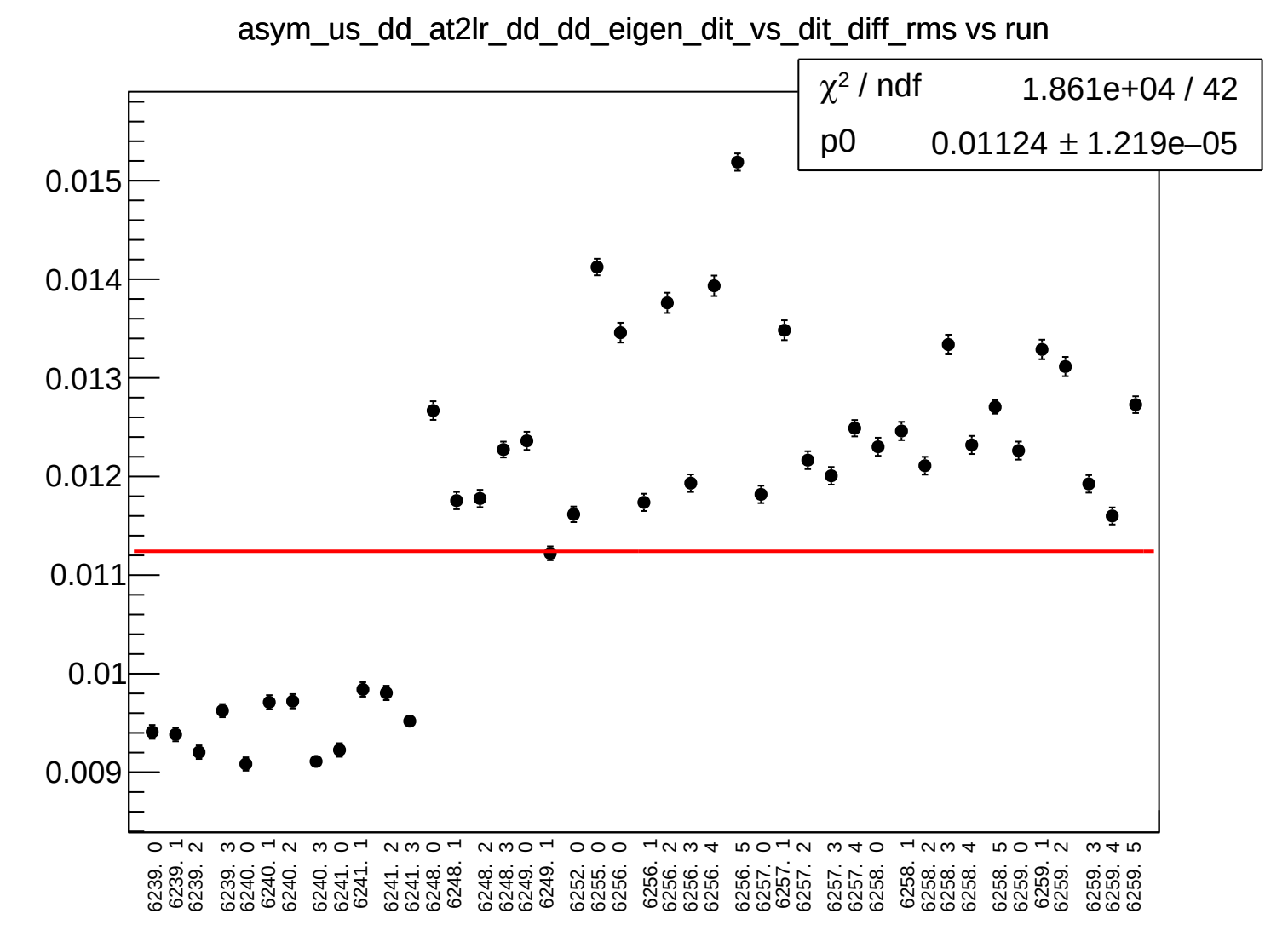

pull1D
Entries 43
Mean 0.06272
Std Dev 0.8931

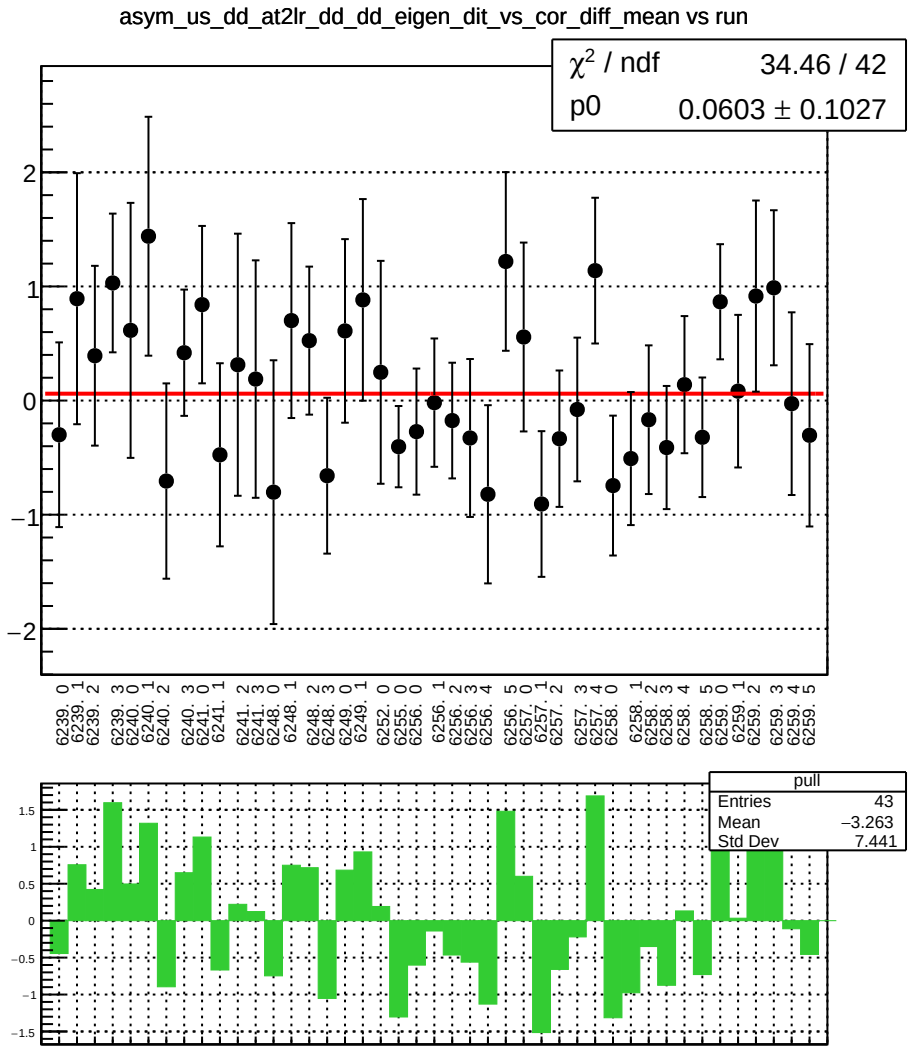

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.347e+04 / 42
p0 65.58 ± 0.0726
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

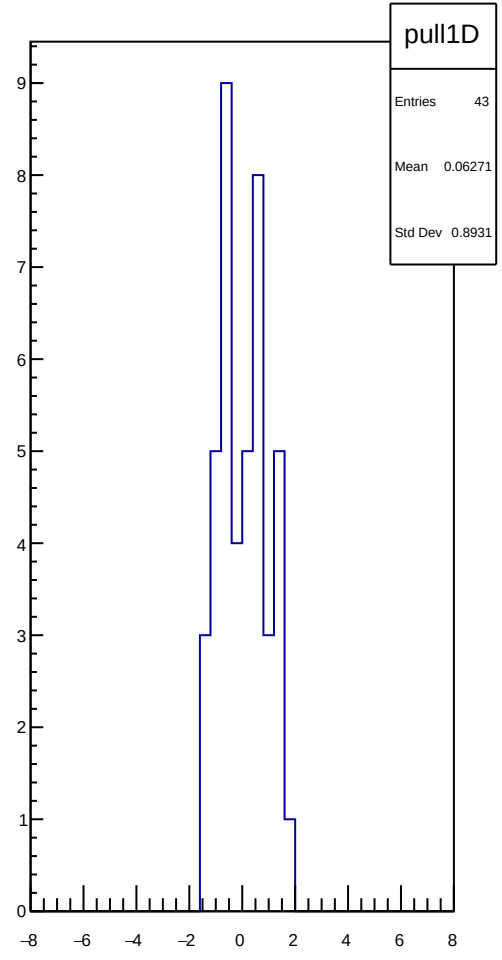

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.46 / 42
p0 0.06032 ± 0.1027
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −3.26
Std Dev 7.444
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.06272
Std Dev 0.8931
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

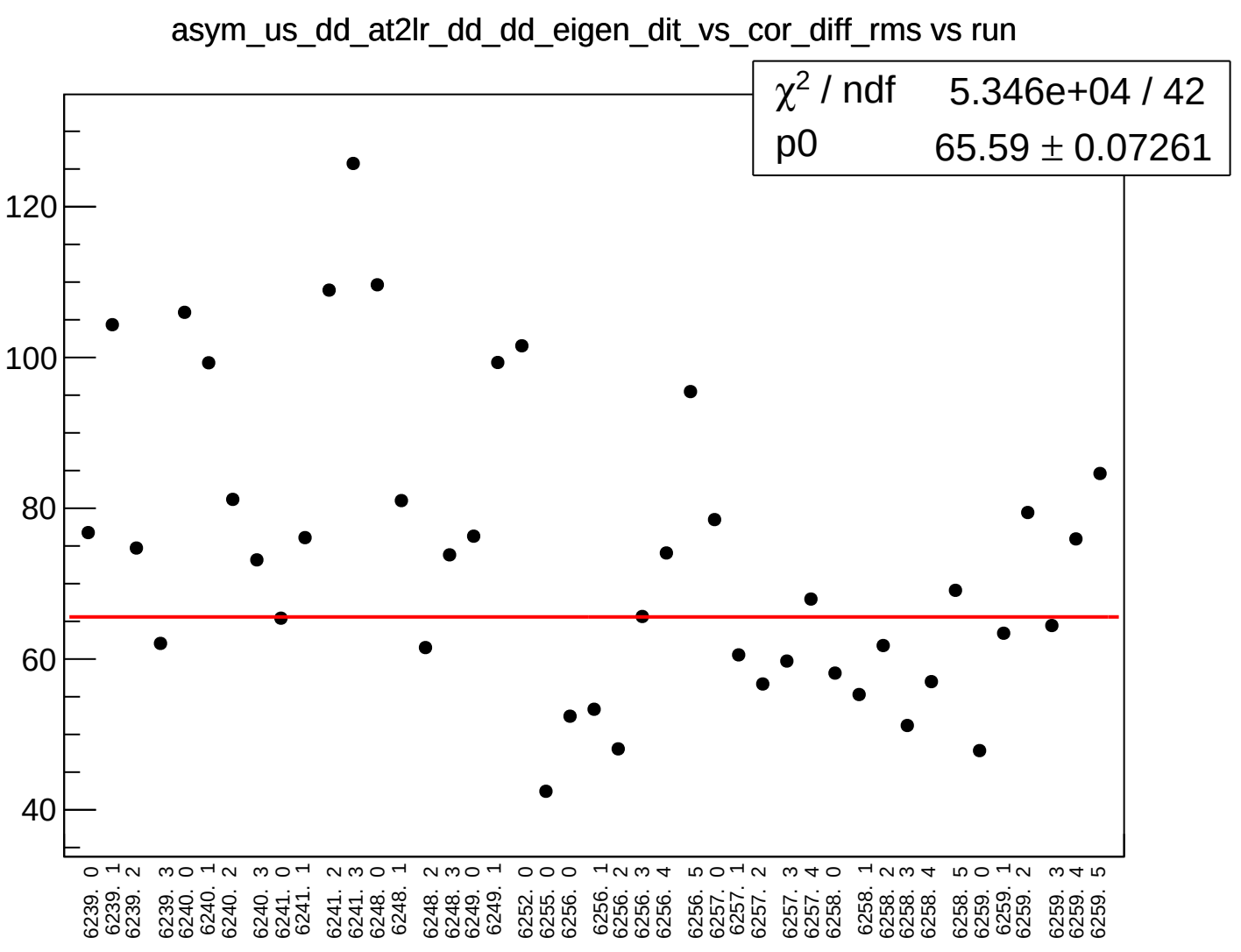

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.347e+04 / 42
p0 65.58 ± 0.0726
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

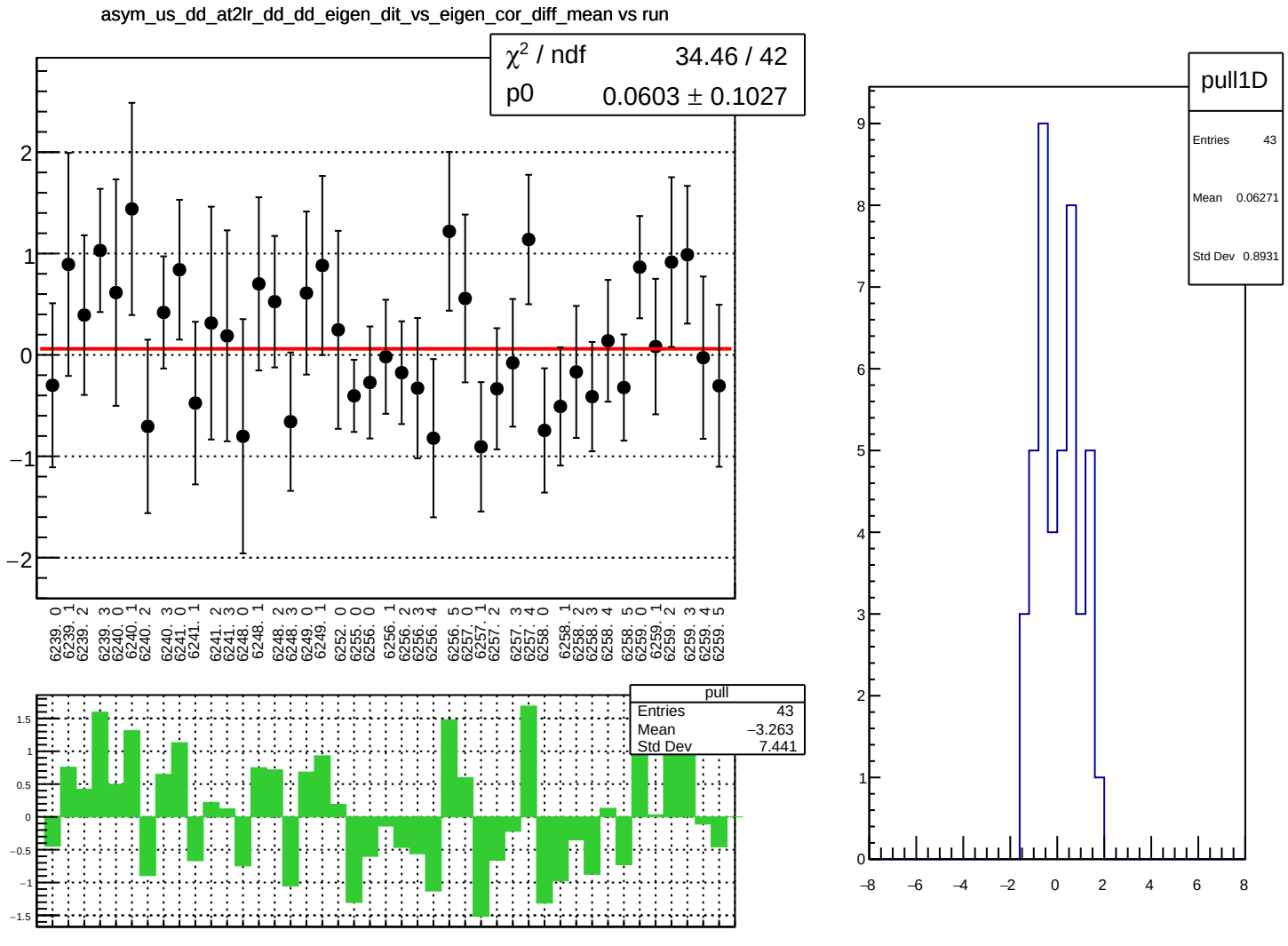

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 32.55 / 42
p0 −3.97e−05 ± 1.723e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −678.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001065
Std Dev 0.8701
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

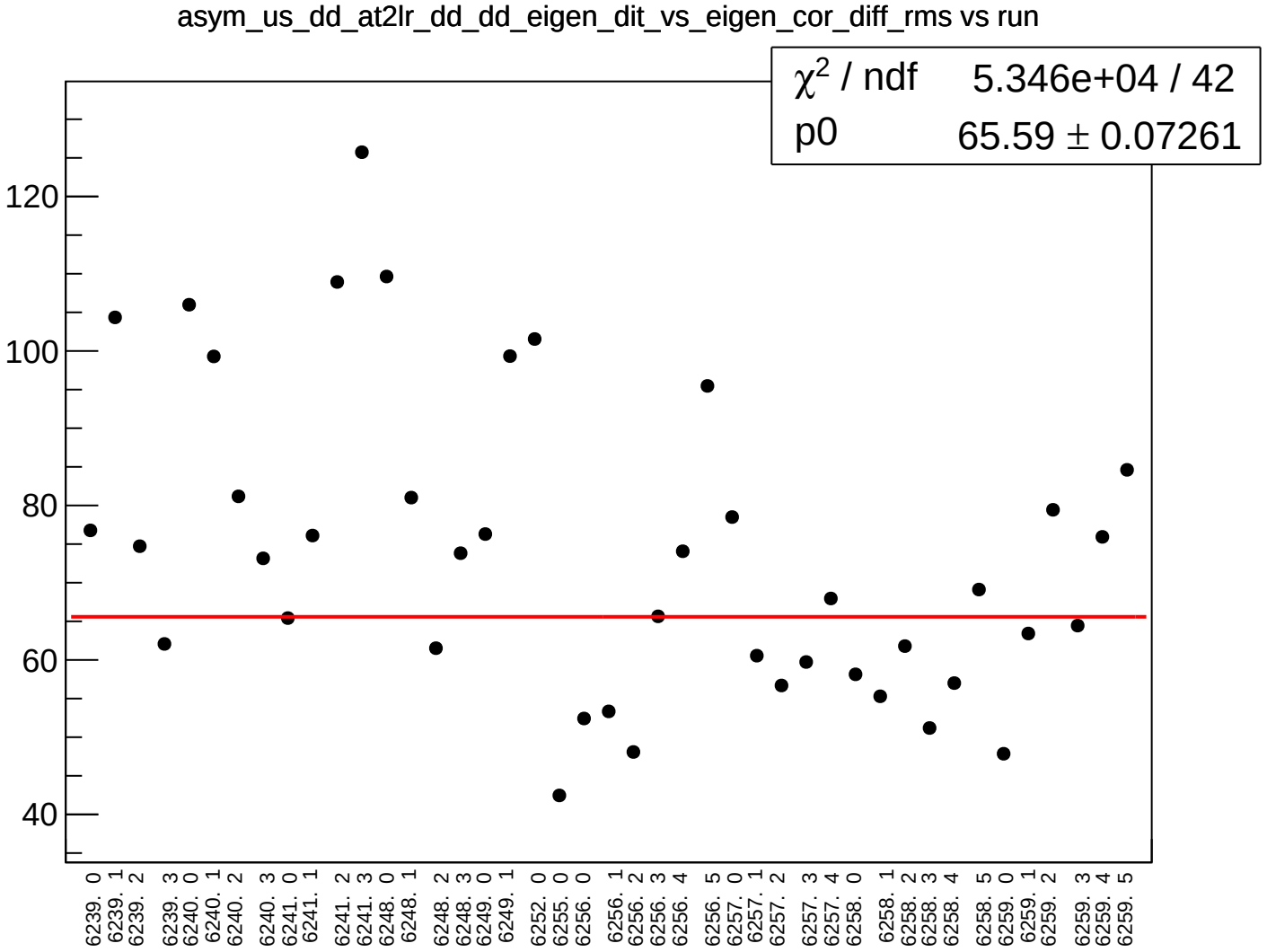

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.861e+04 / 42
p0 0.01124 ± 1.219e−05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

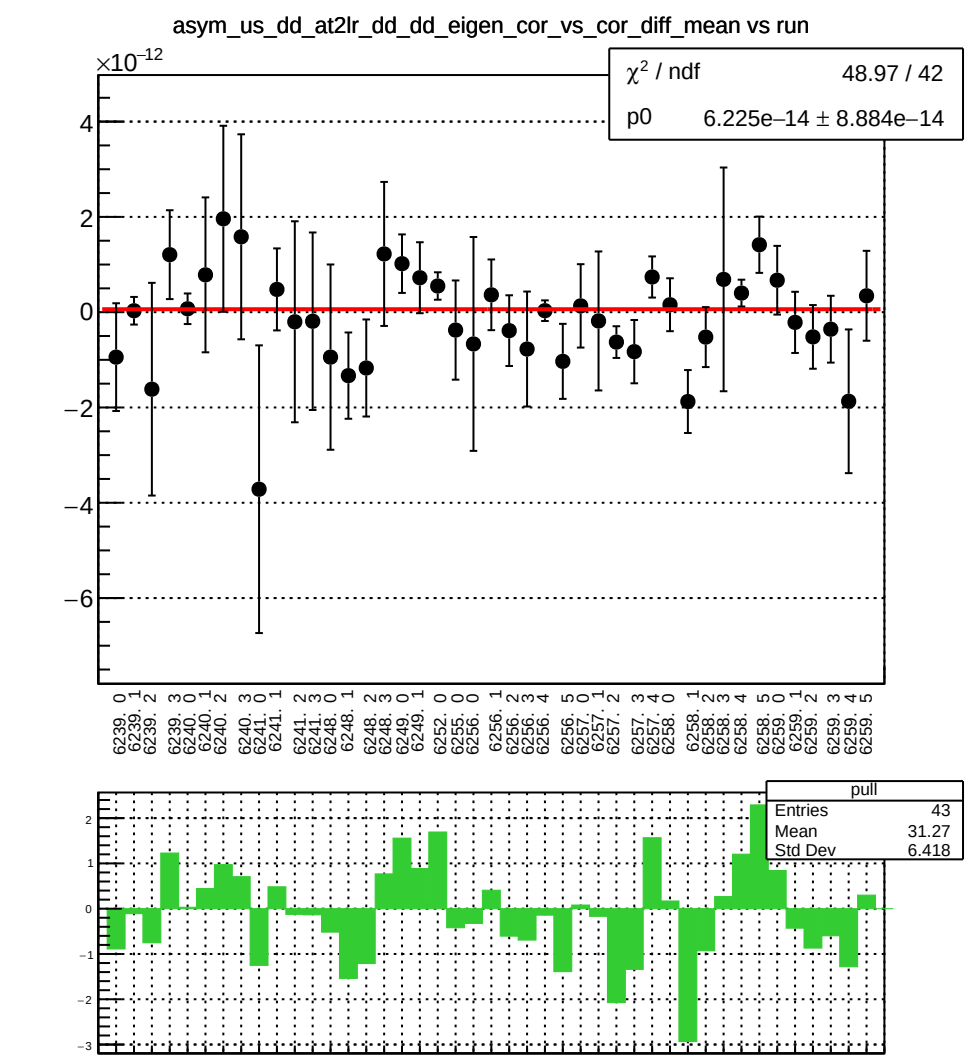

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.46 / 42
p0 0.0603 ± 0.1027
pull
Entries 43
Mean −3.263
Std Dev 7.441

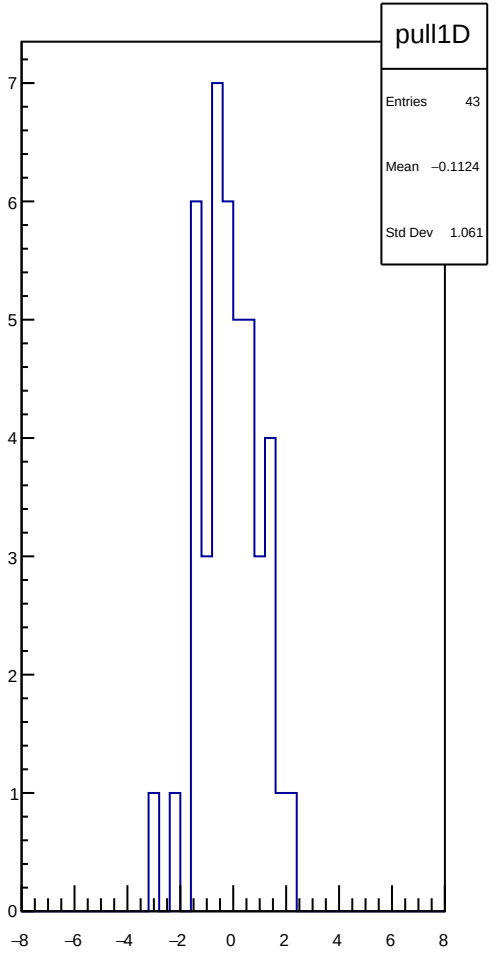

pull1D
Entries 43
Mean 0.06271
Std Dev 0.8931

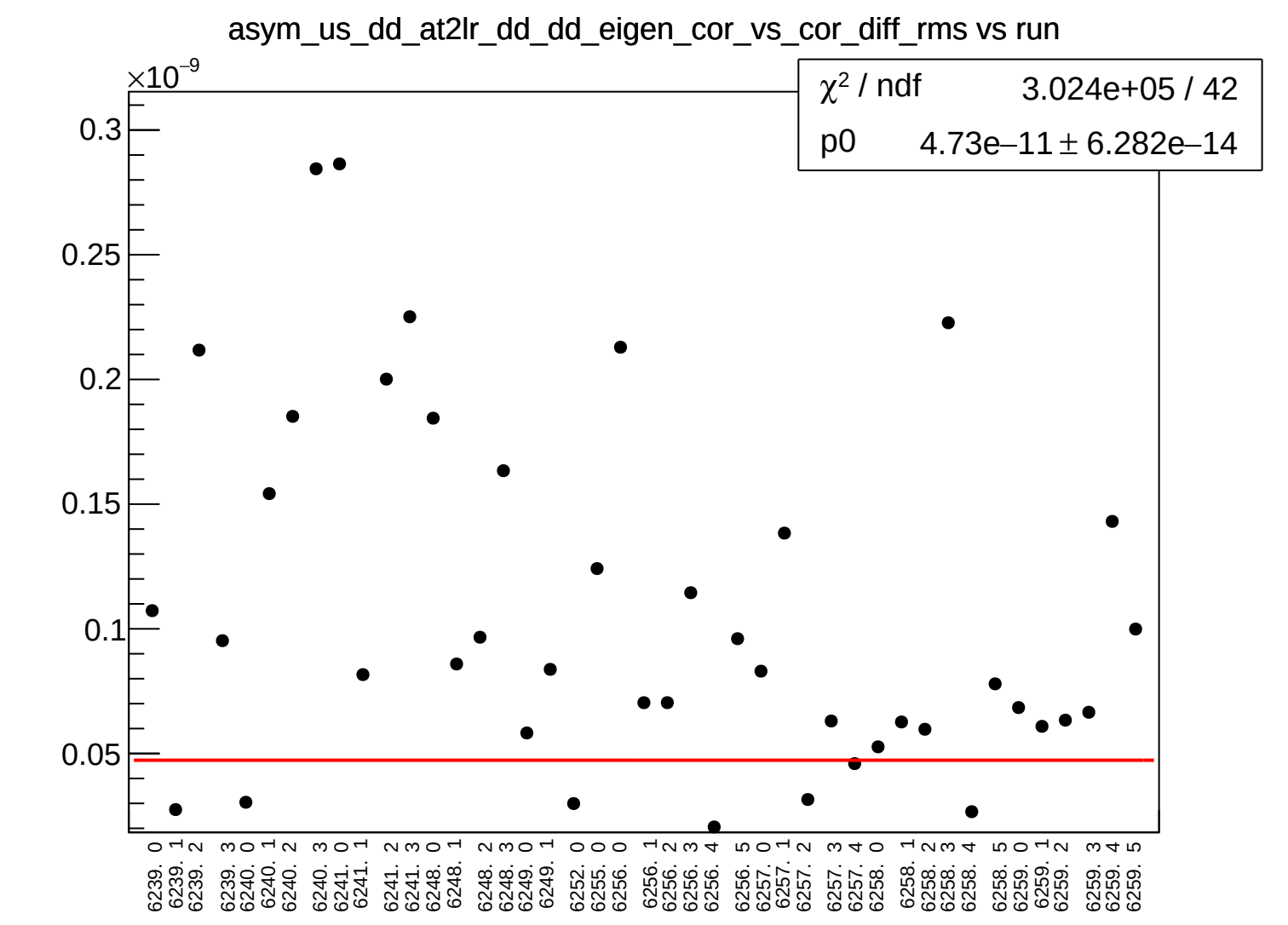

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.346e+04 / 42
p0 65.59 ± 0.07261
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.46 / 42
p0 0.0603 ± 0.1027
pull
Entries 43
Mean −3.263
Std Dev 7.441
pull1D
Entries 43
Mean 0.06271
Std Dev 0.8931


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.346e+04 / 42
p0 65.59 ± 0.07261
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 48.97 / 42
p0 6.225e−14 ± 8.884e−14
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.27
Std Dev 6.418
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.1124
Std Dev 1.061
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.024e+05 / 42
p0 4.73e−11 ± 6.282e−14
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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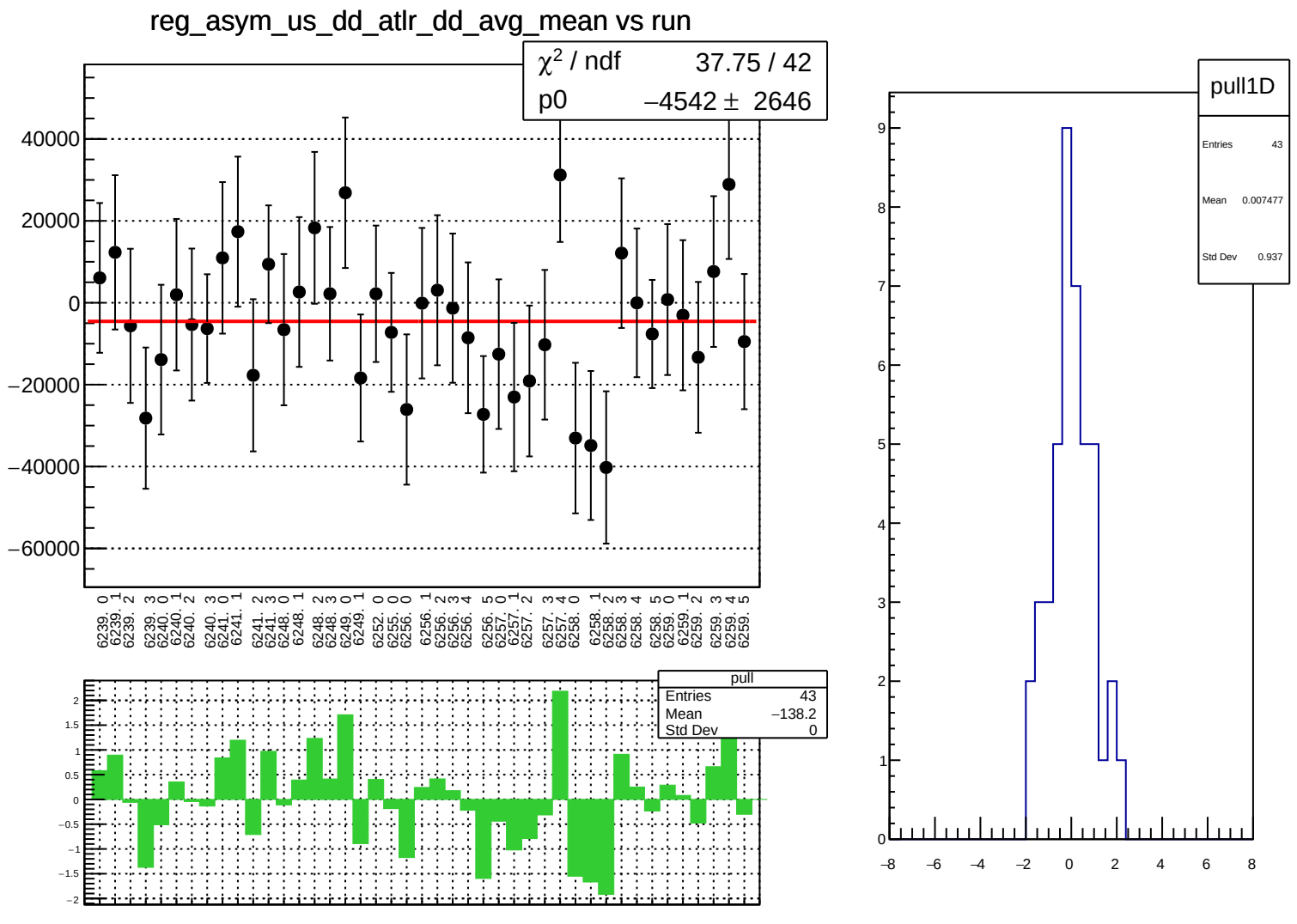
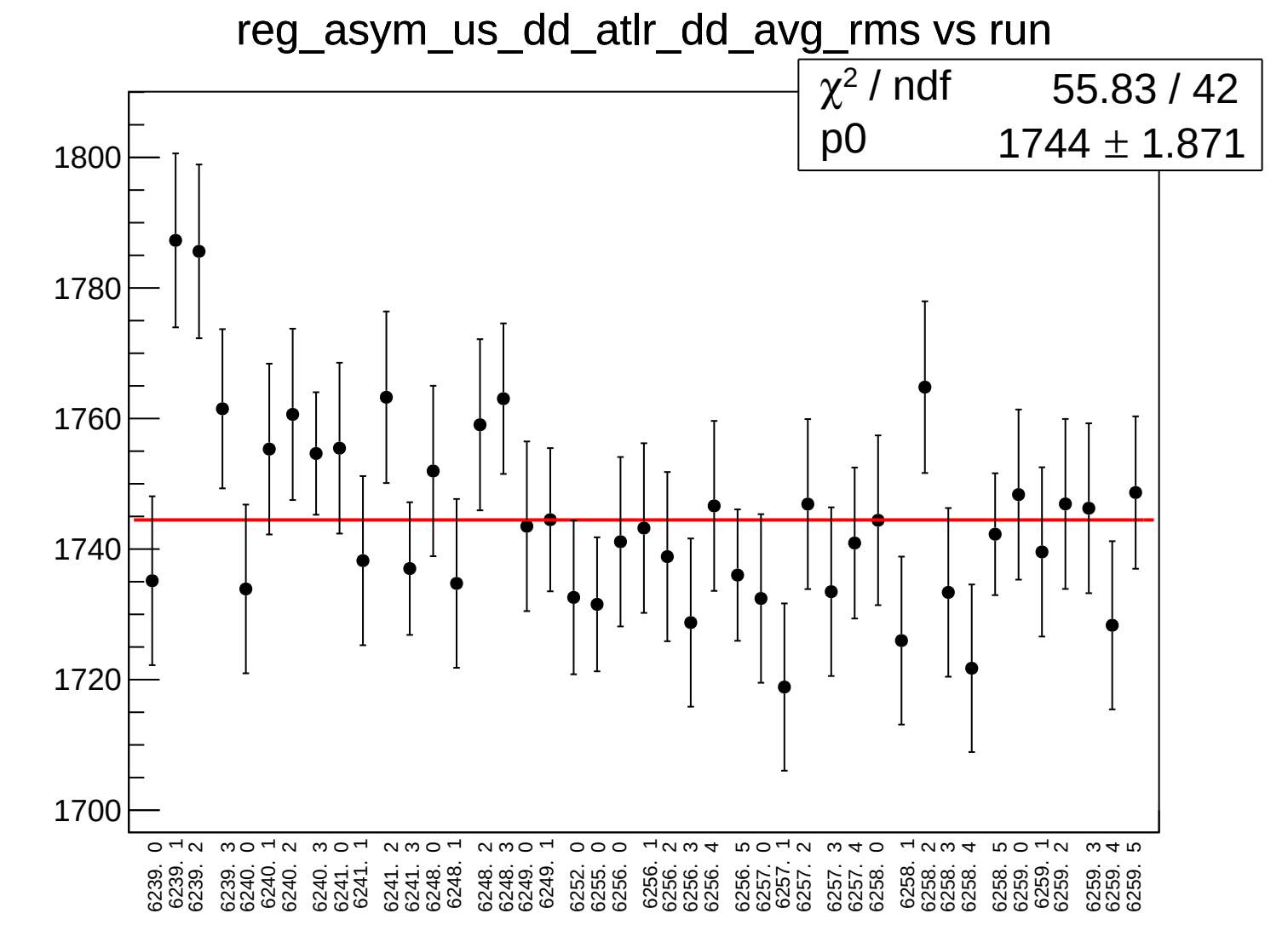
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 37.75 / 42
p0 −4542 ± 2646
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −138.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007477
Std Dev 0.937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 55.83 / 42
p0 1744 ± 1.871
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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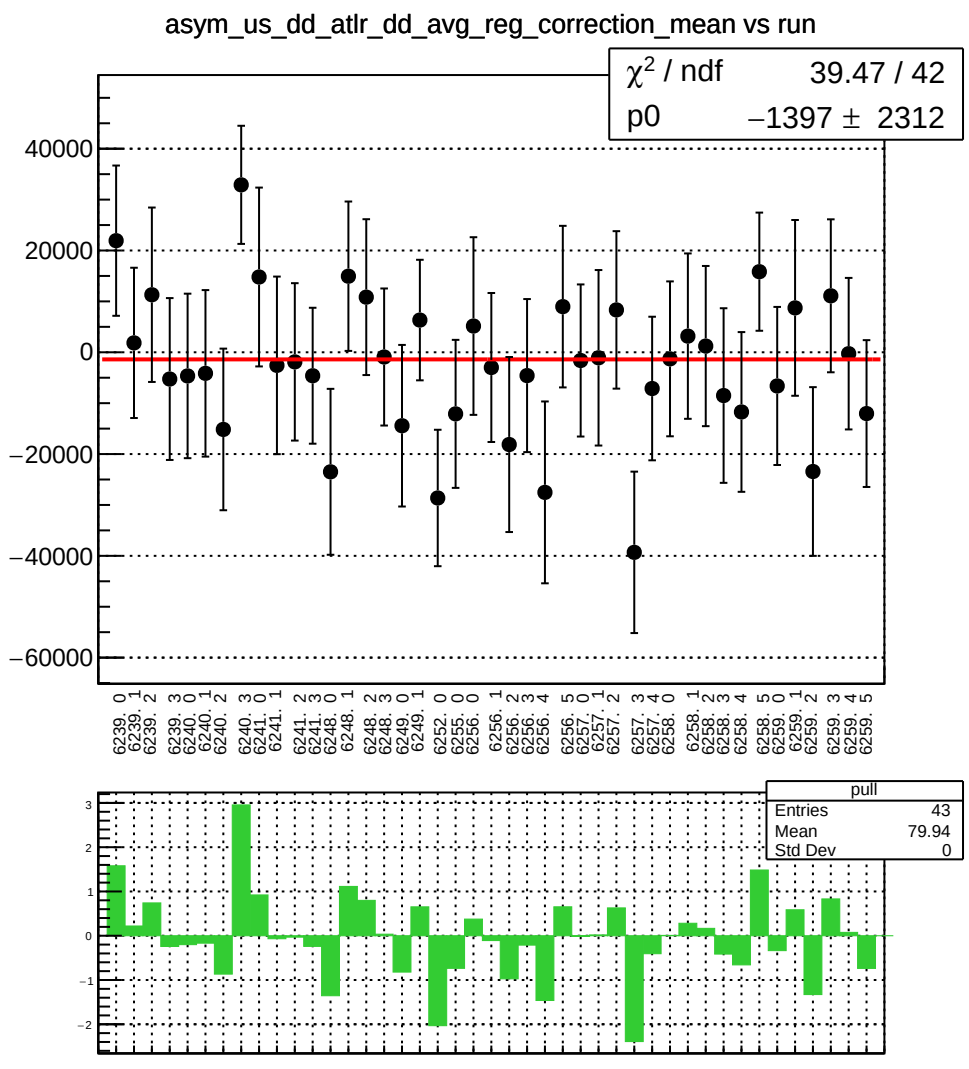
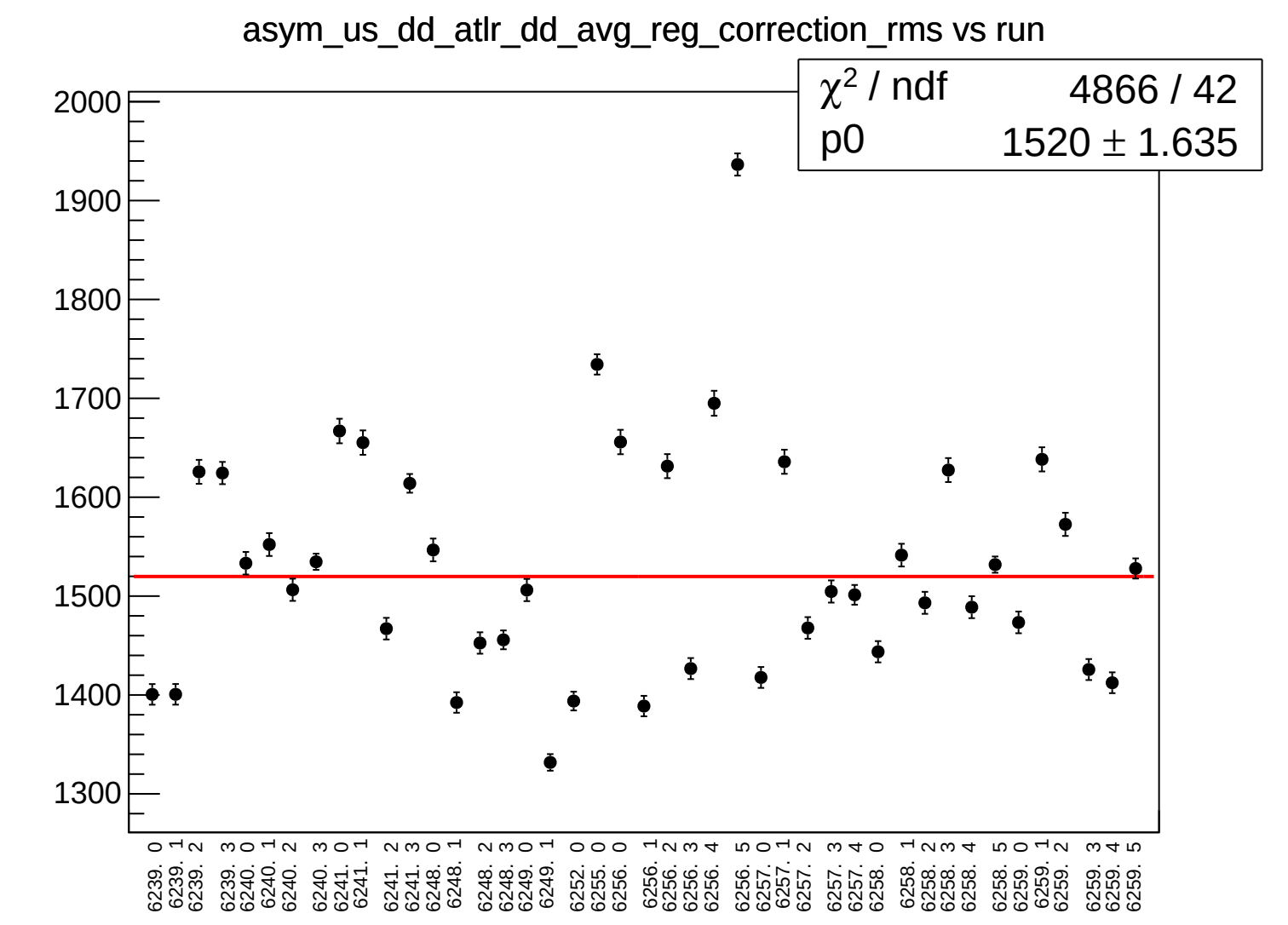
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 39.47 / 42
p0 −1397 ± 2312
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.94
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03901
Std Dev 0.9573
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4866 / 42
p0 1520 ± 1.635
2000
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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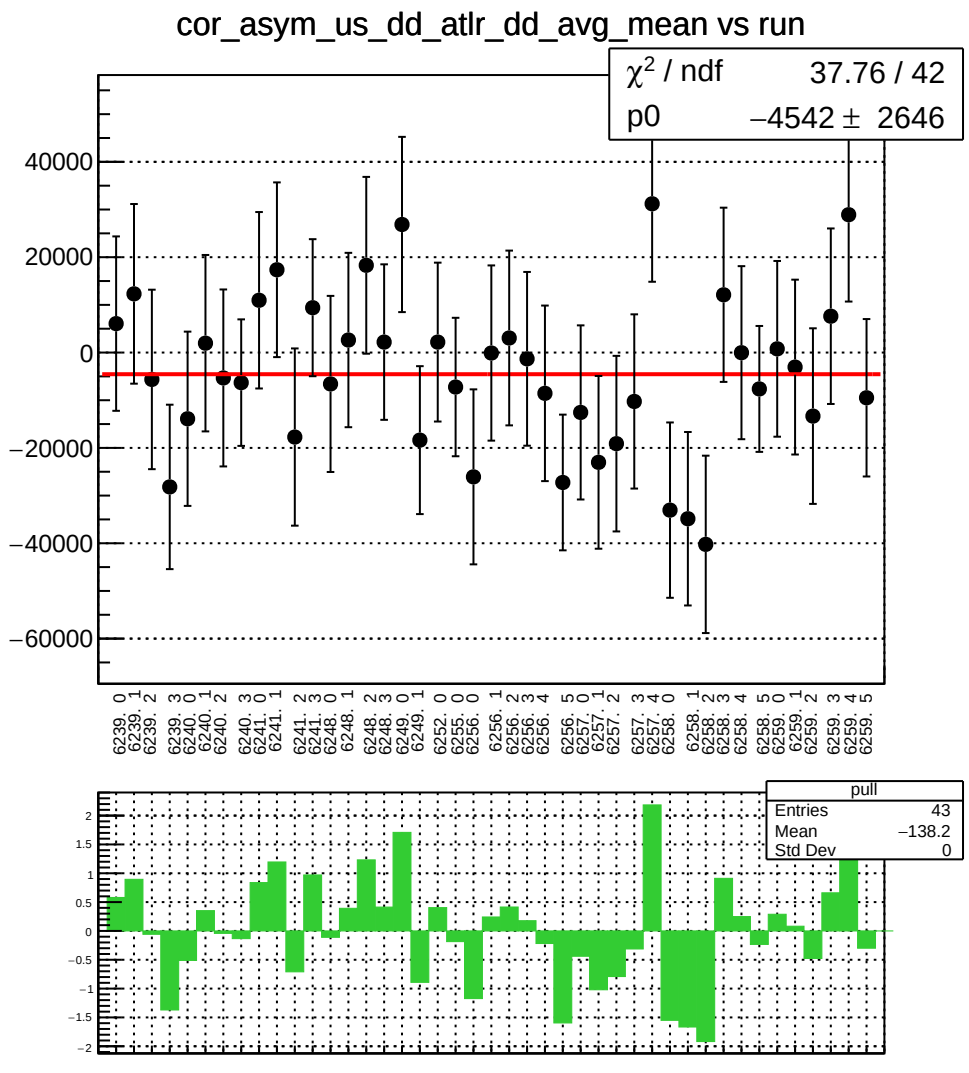
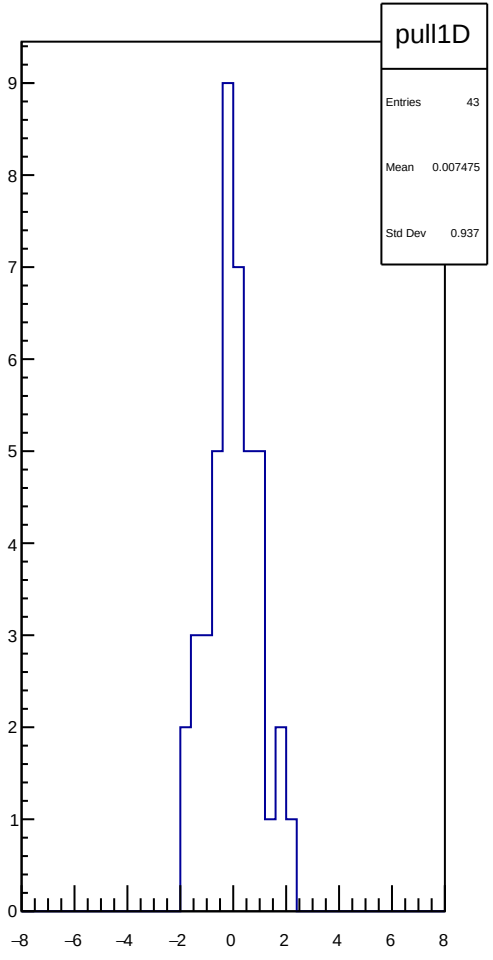
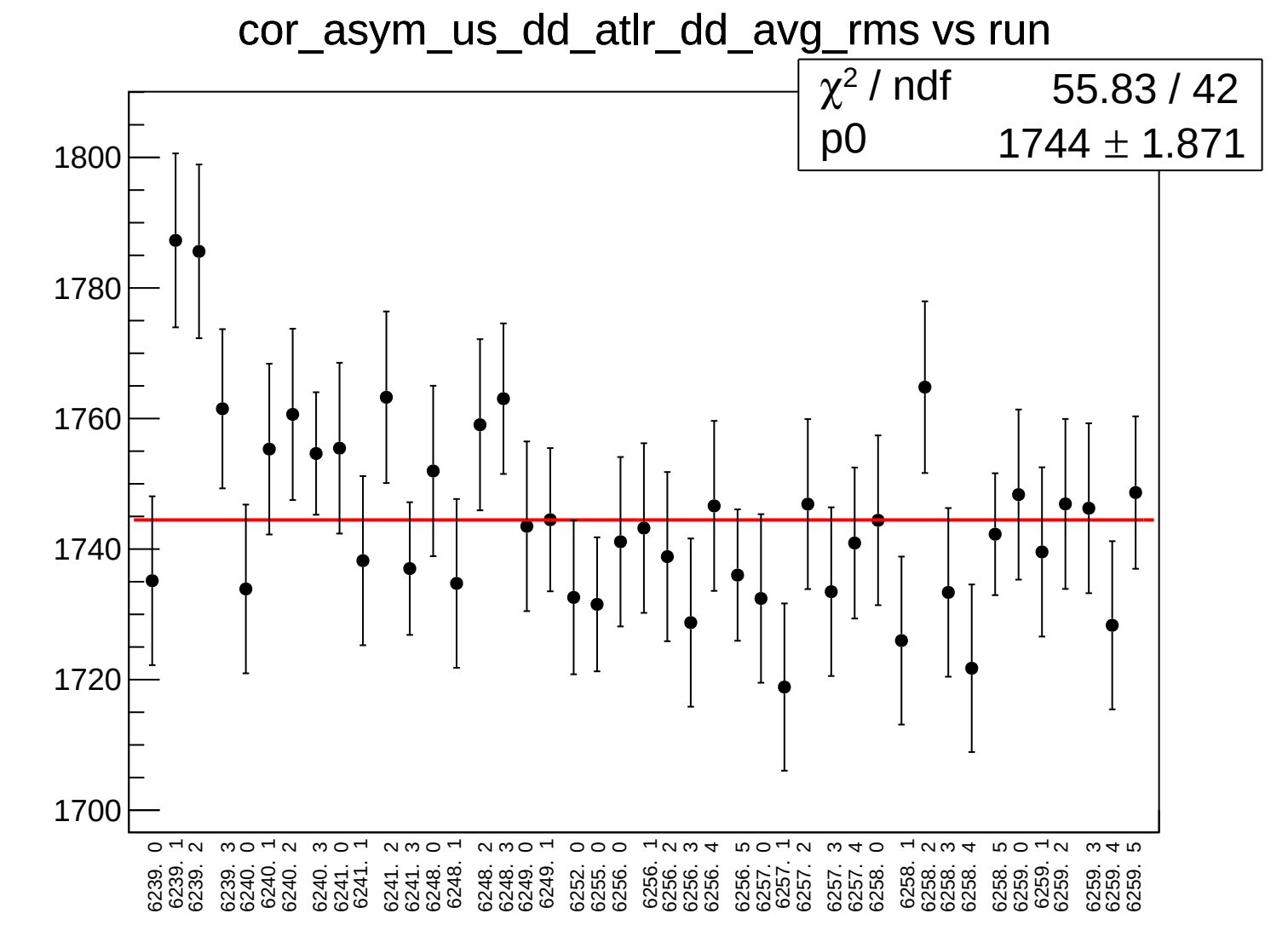
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 37.76 / 42
p0 −4542 ± 2646
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −138.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.007475
Std Dev 0.937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 55.83 / 42
p0 1744 ± 1.871
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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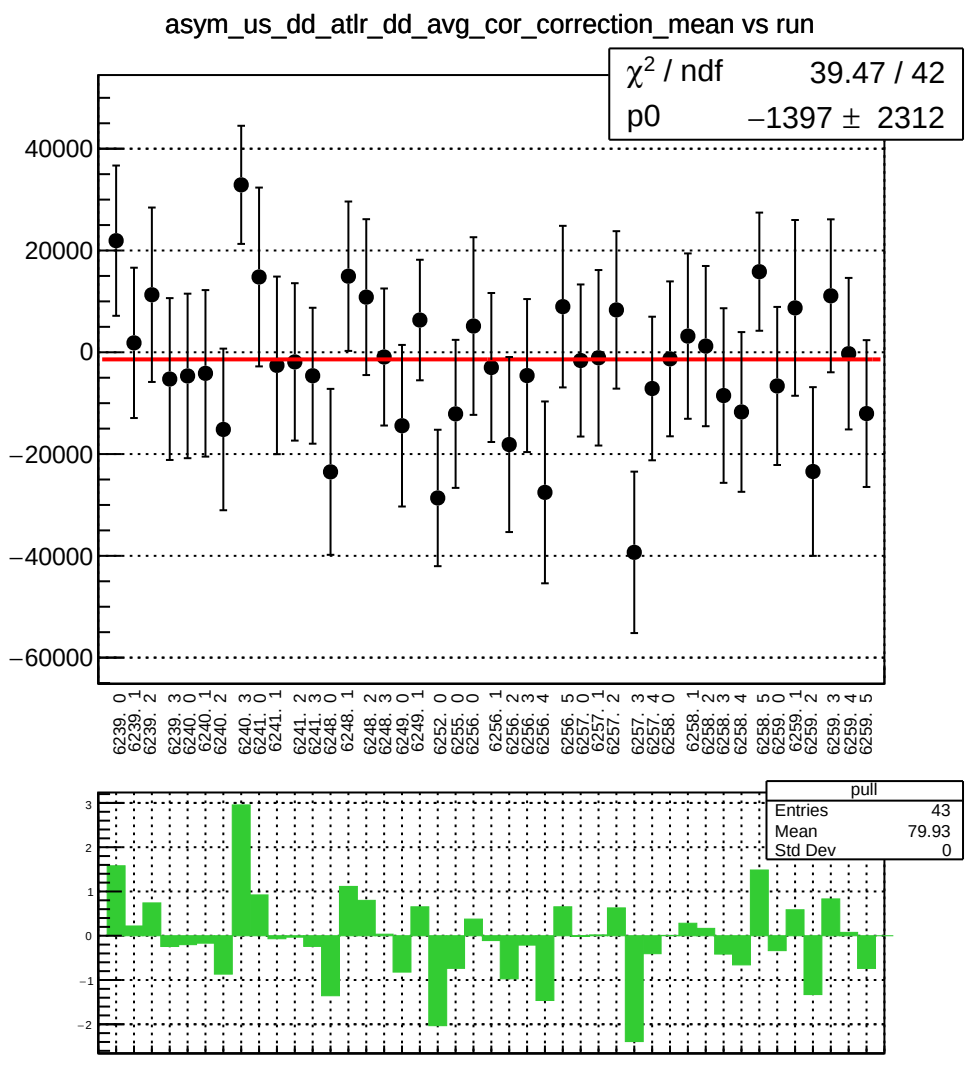
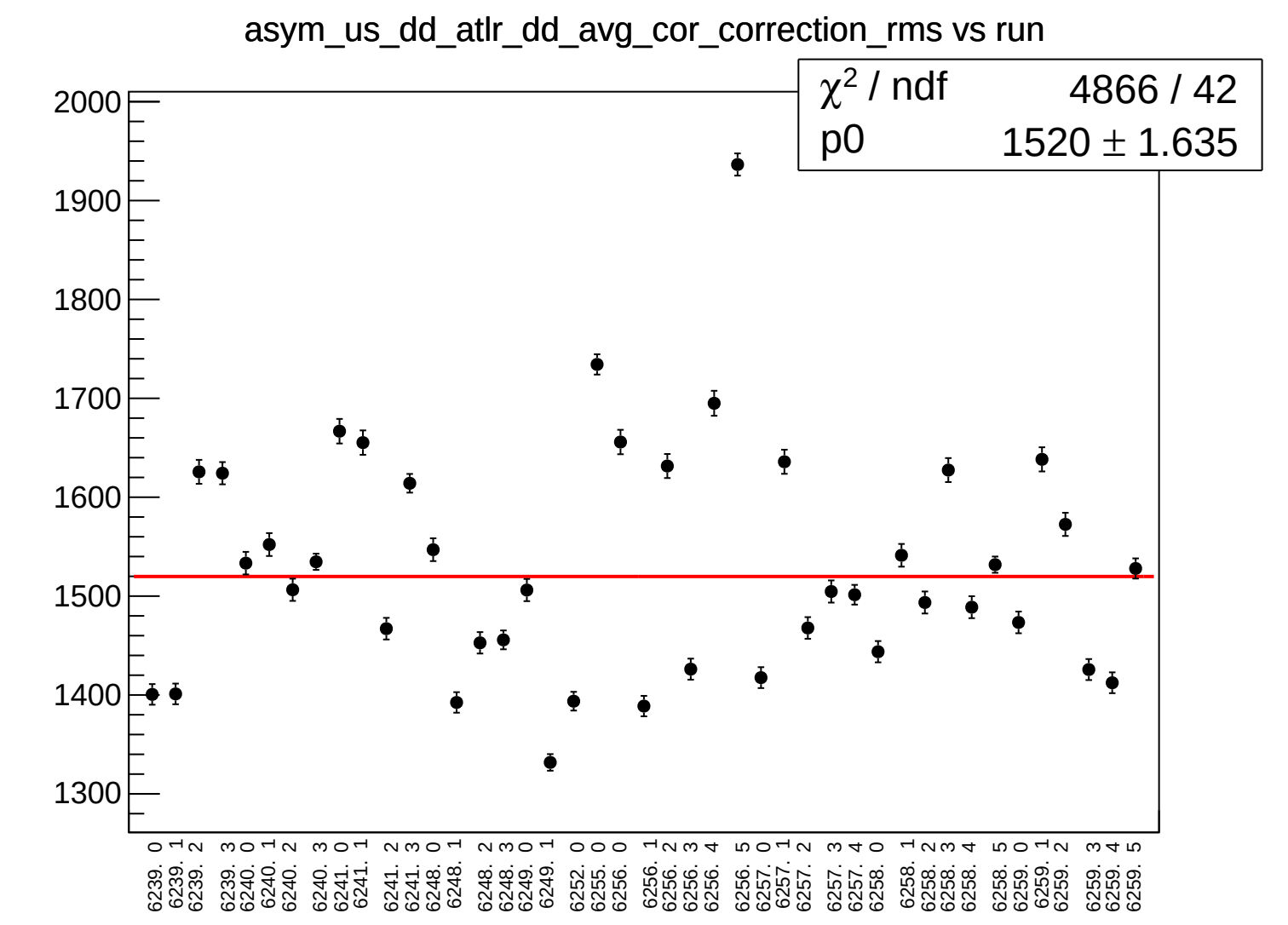
6259. 2
6259. 3
6259. 4
6259. 5


asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 39.47 / 42
p0 −1397 ± 2312
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.93
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03901
Std Dev 0.9573
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4866 / 42
p0 1520 ± 1.635
2000
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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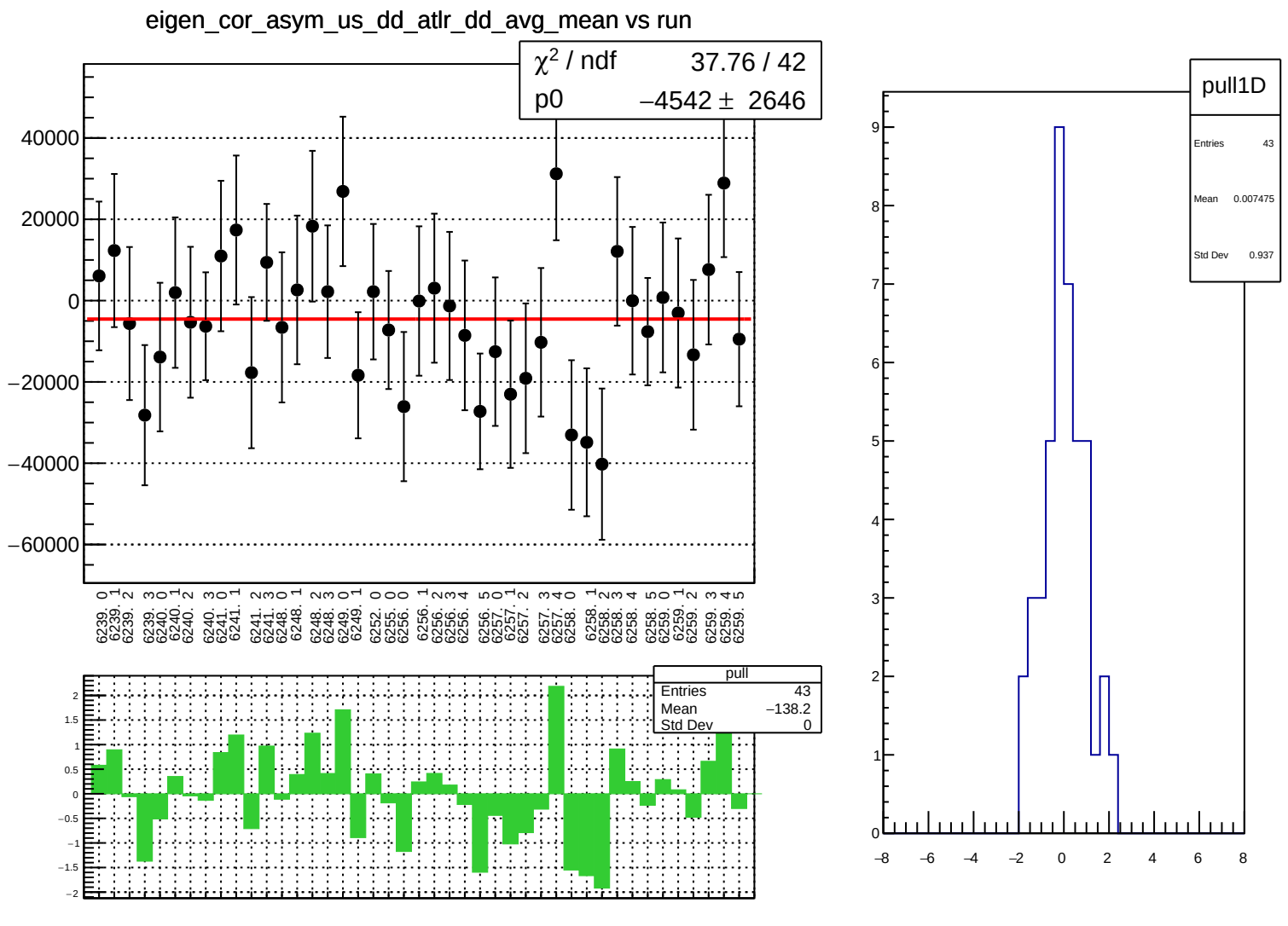
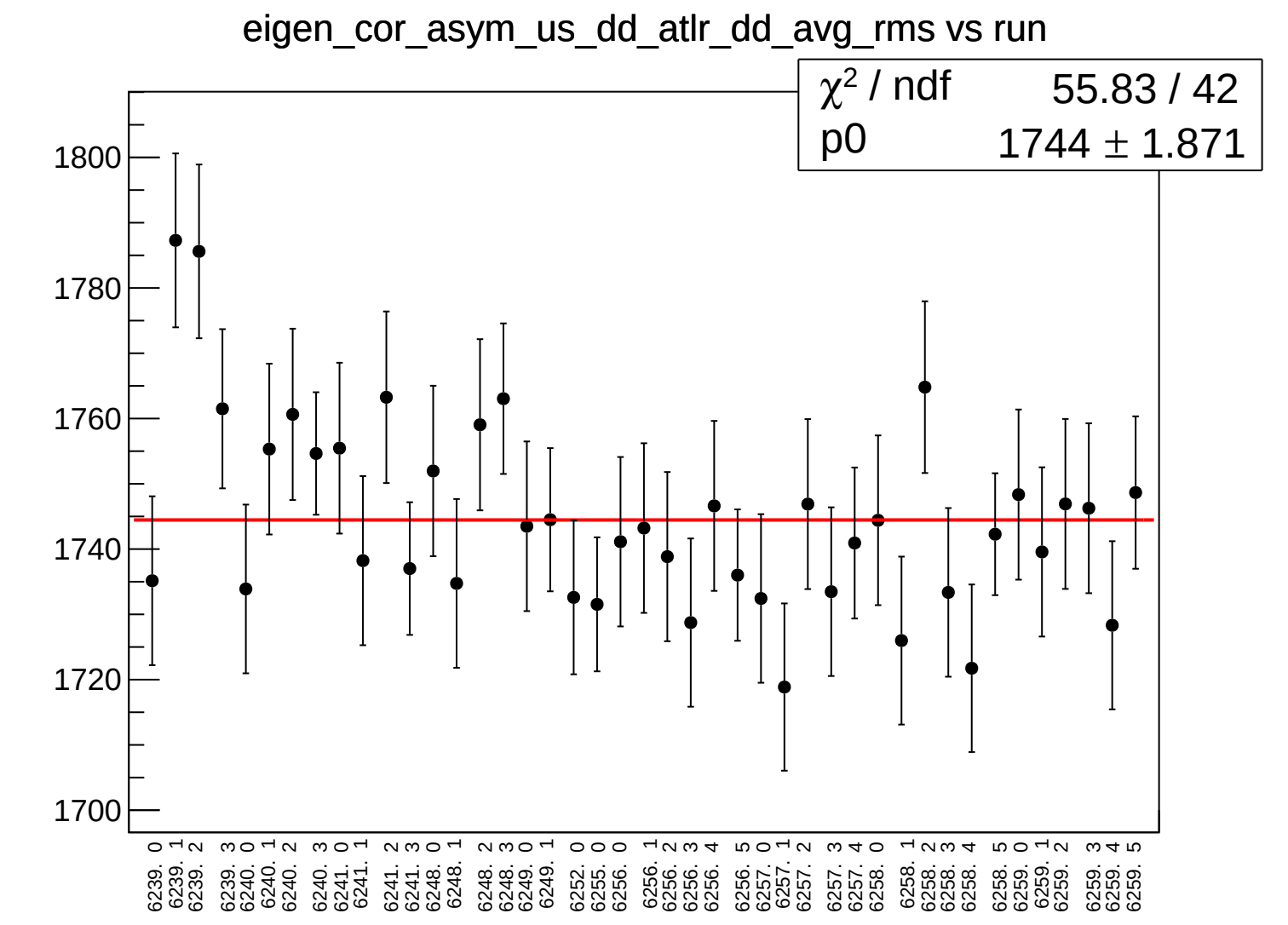
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 37.76 / 42
p0 −4542 ± 2646
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −138.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.007475
Std Dev 0.937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 55.83 / 42
p0 1744 ± 1.871
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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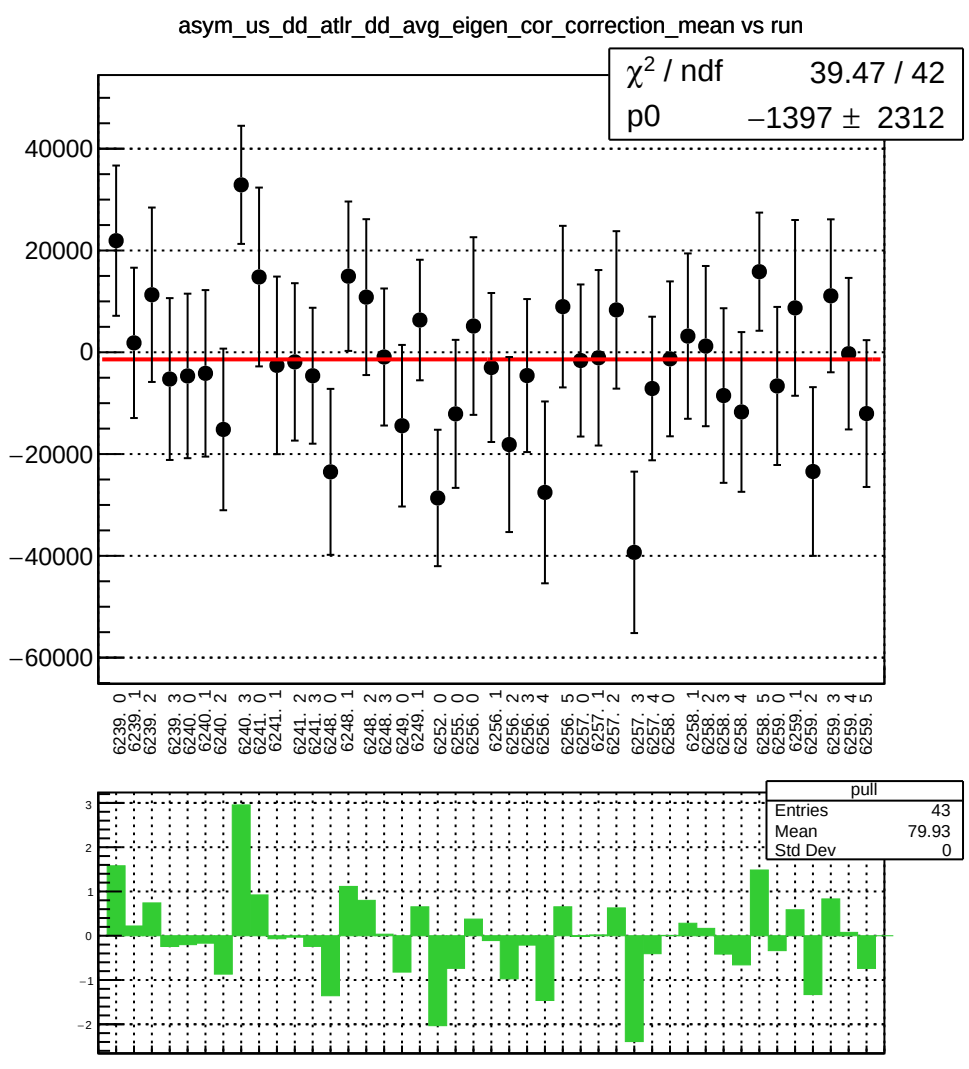
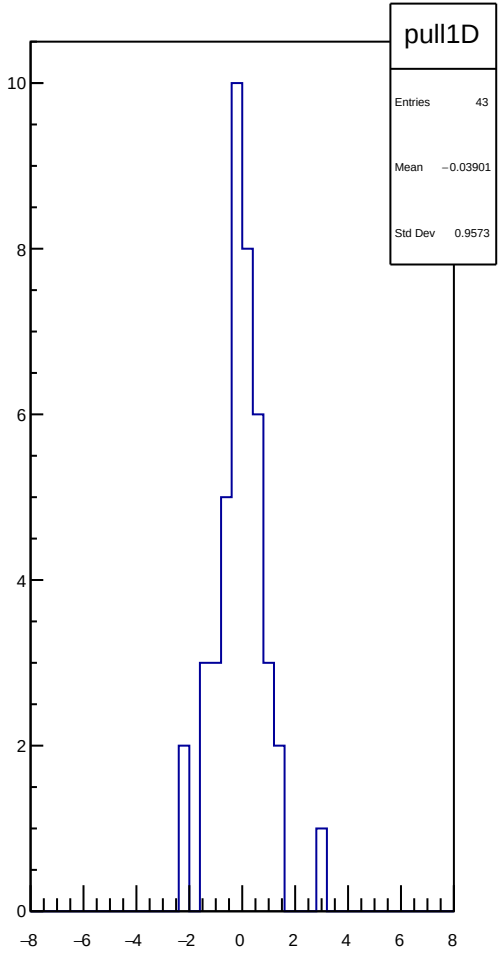
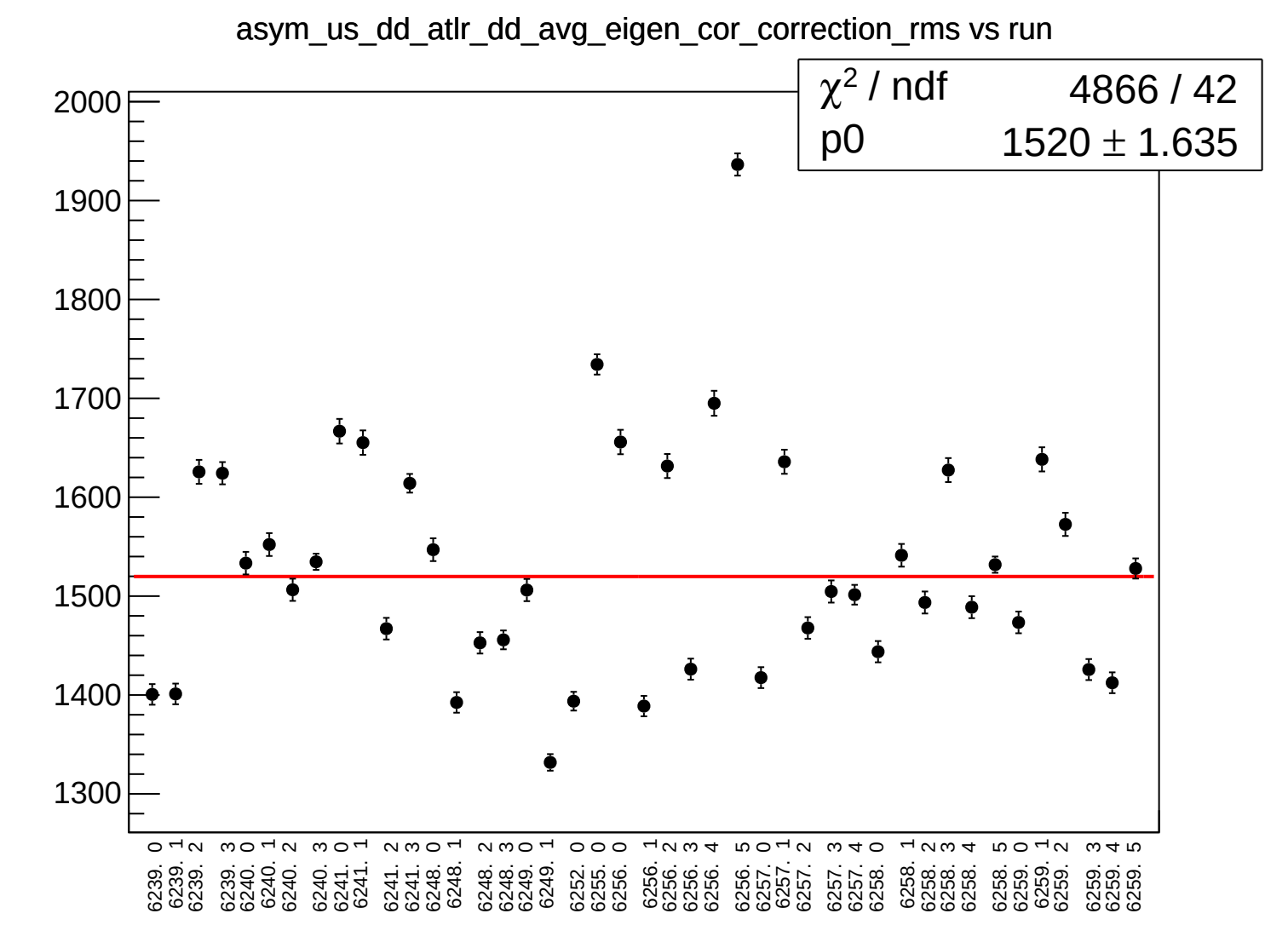
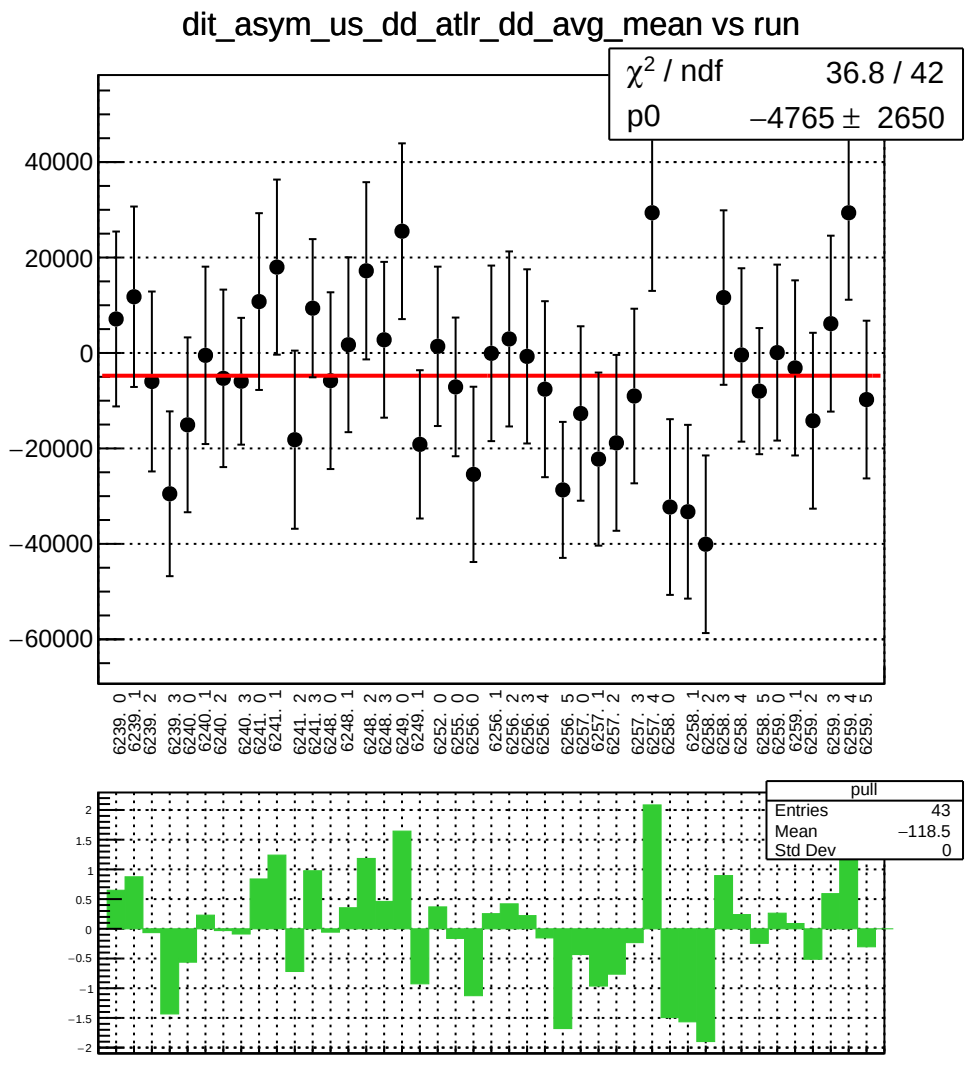
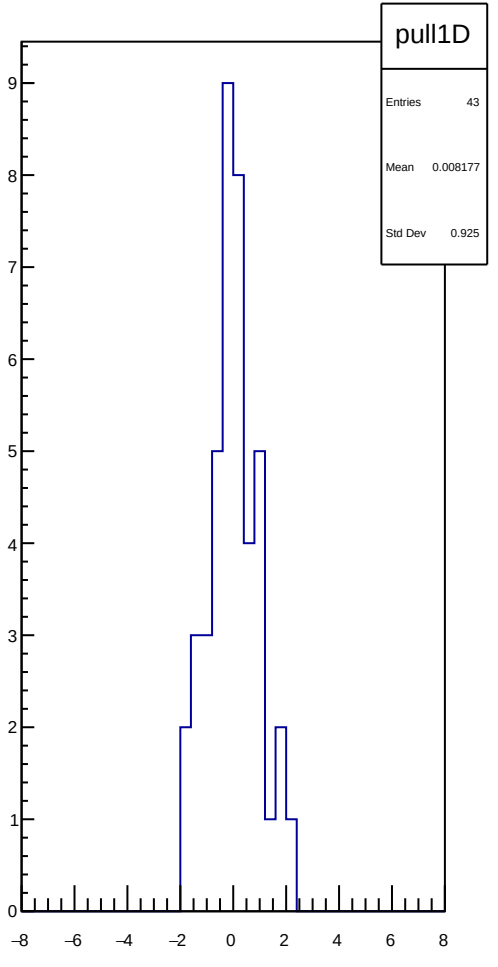
6259. 2
6259. 3
6259. 4
6259. 5

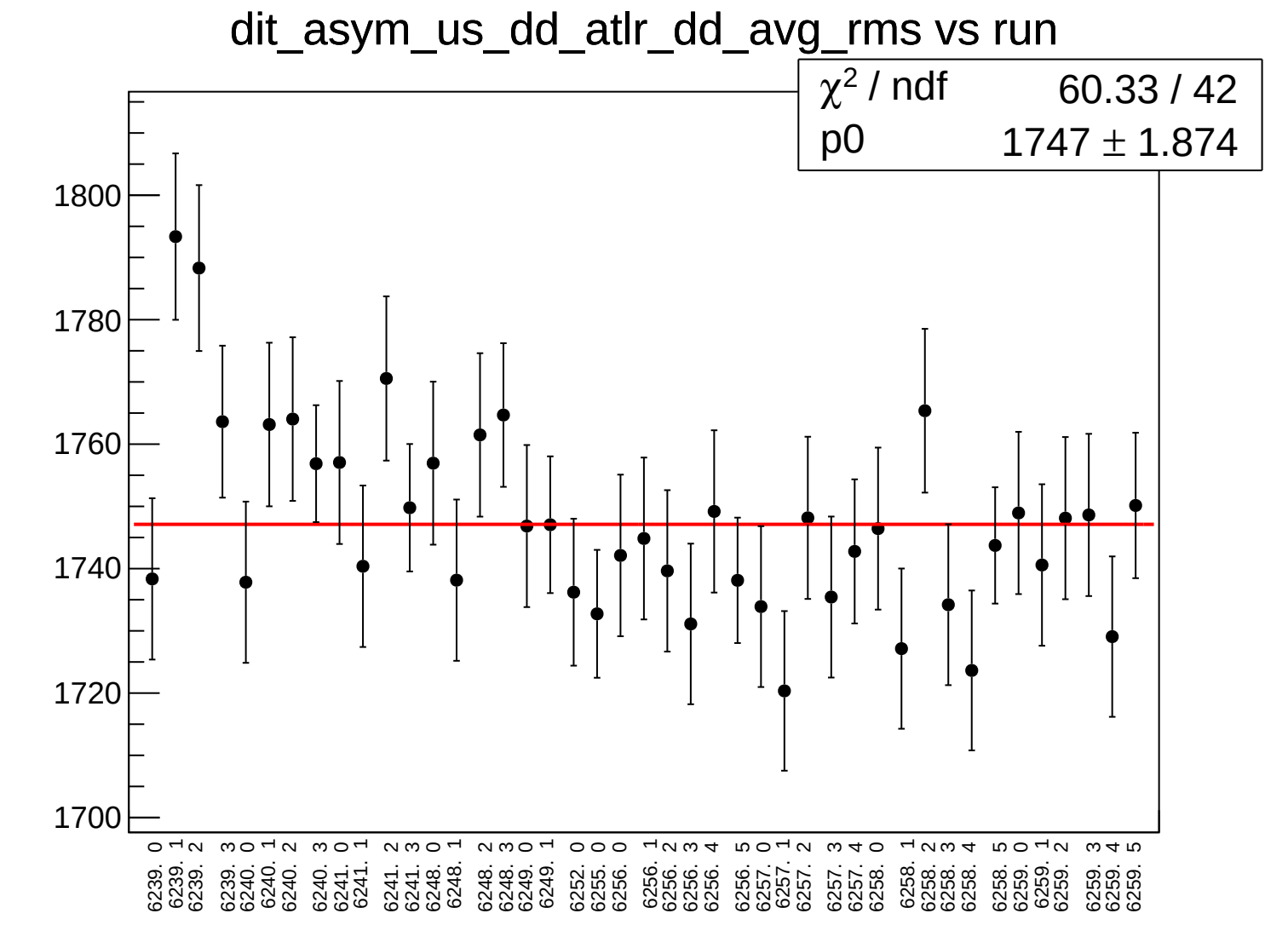

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 39.47 / 42
p0 −1397 ± 2312
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.93
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03901
Std Dev 0.9573
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4866 / 42
p0 1520 ± 1.635
2000
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 36.8 / 42
p0 −4765 ± 2650
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −118.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.008177
Std Dev 0.925
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 60.33 / 42
p0 1747 ± 1.874
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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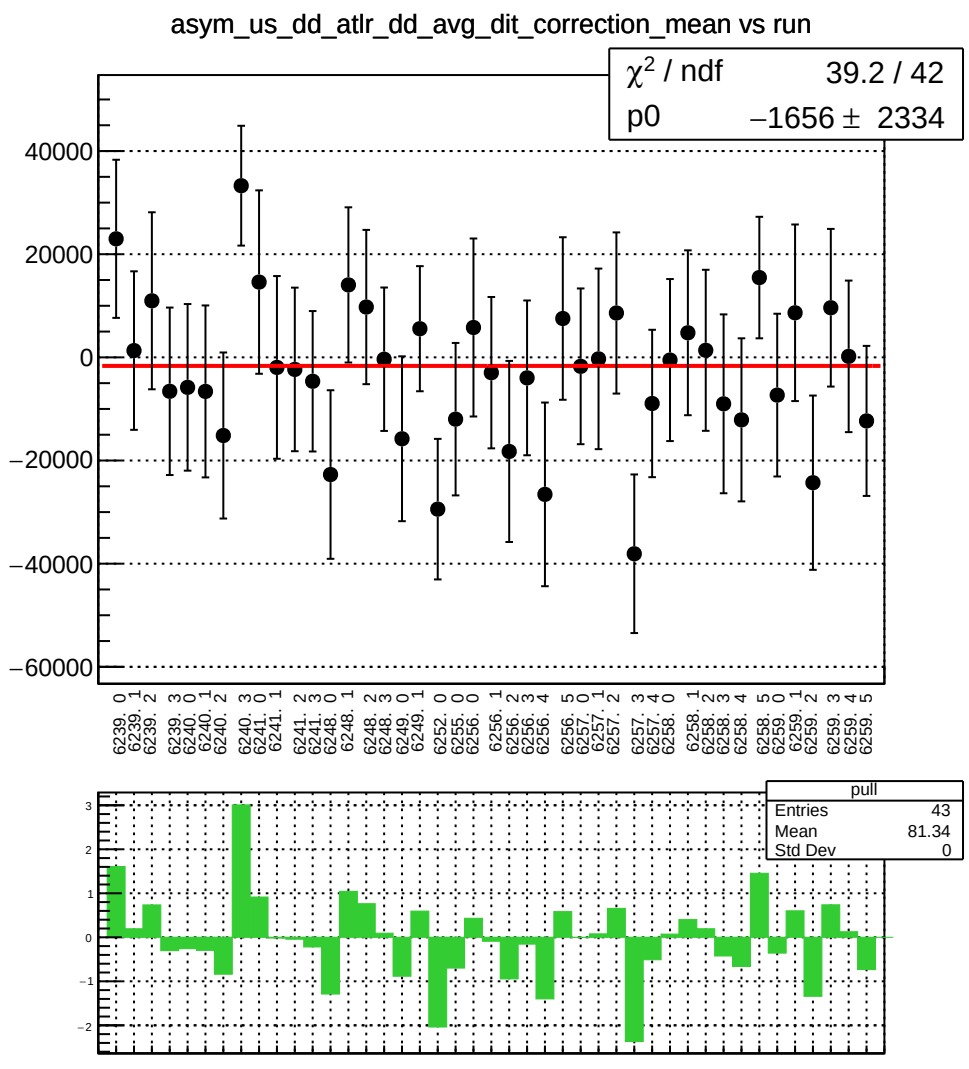
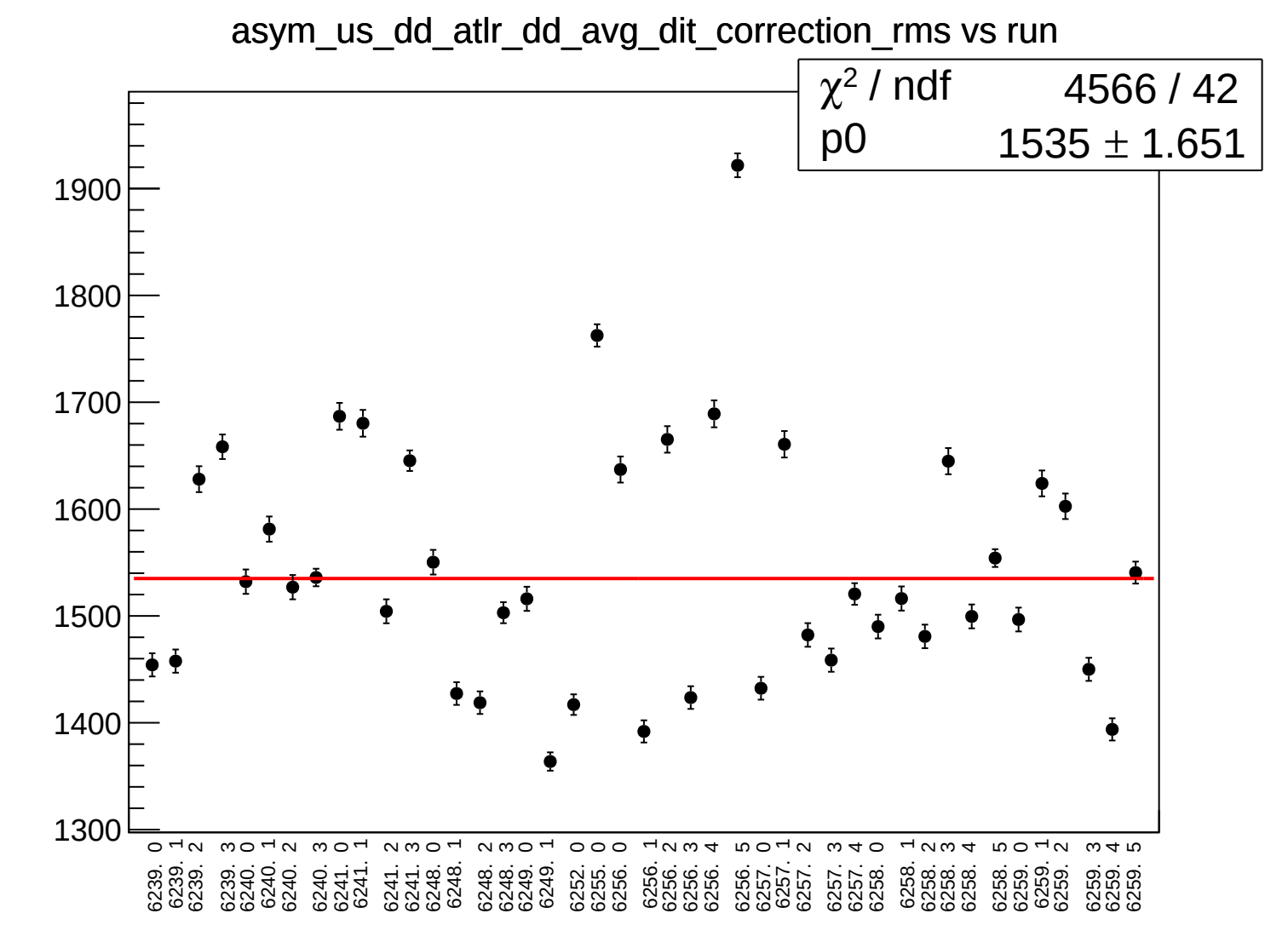
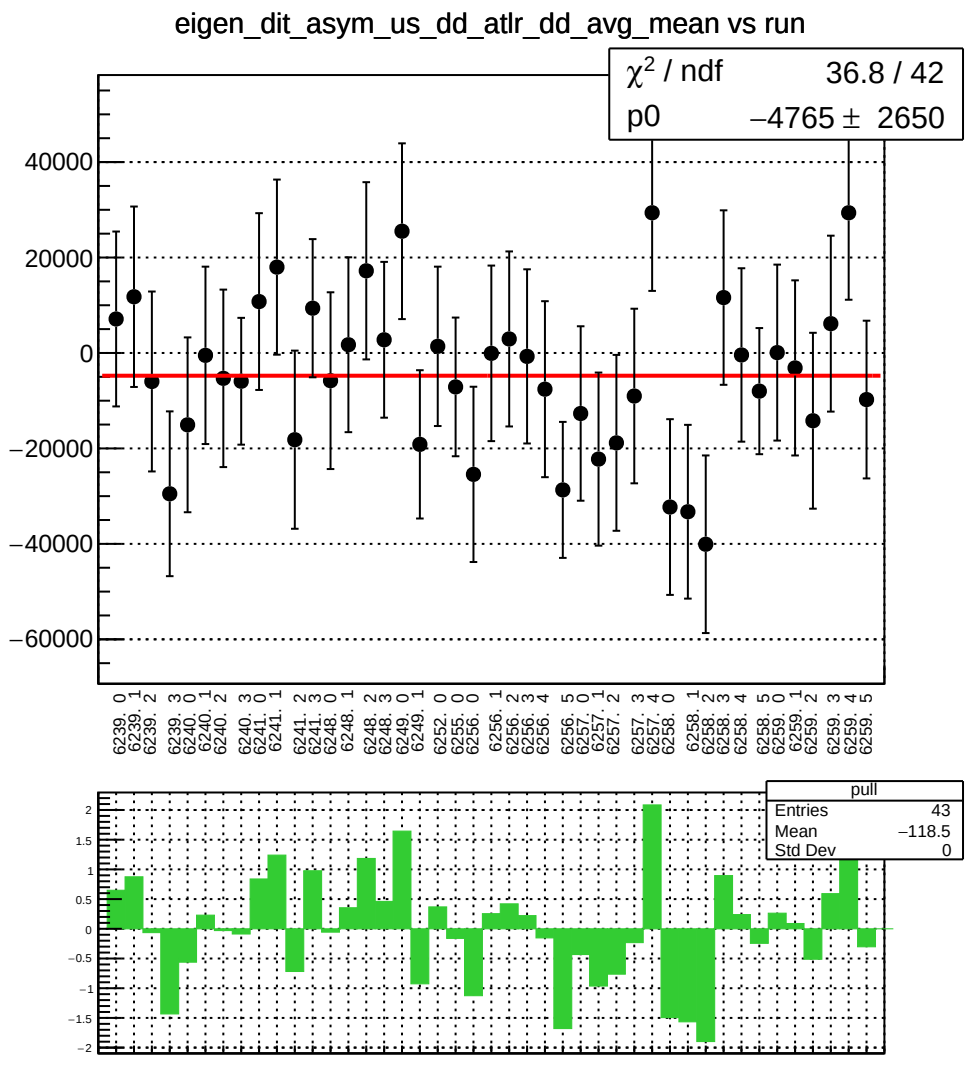
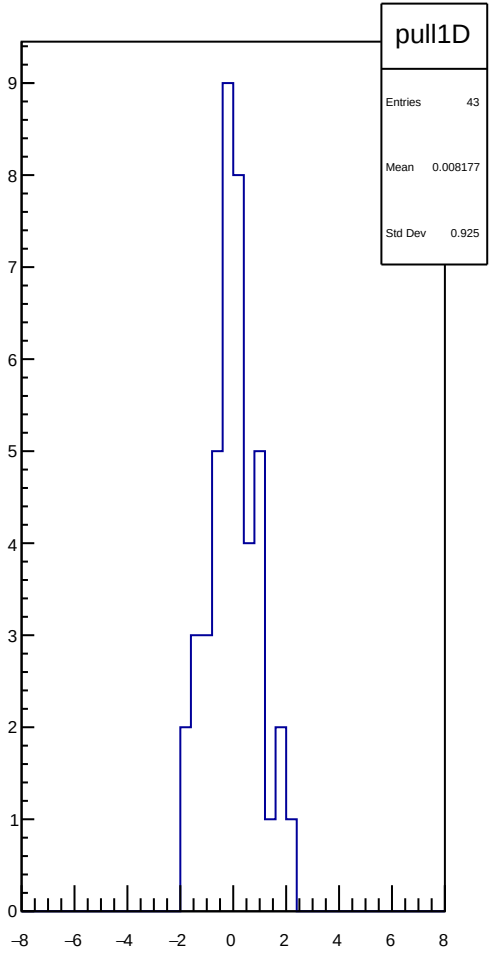
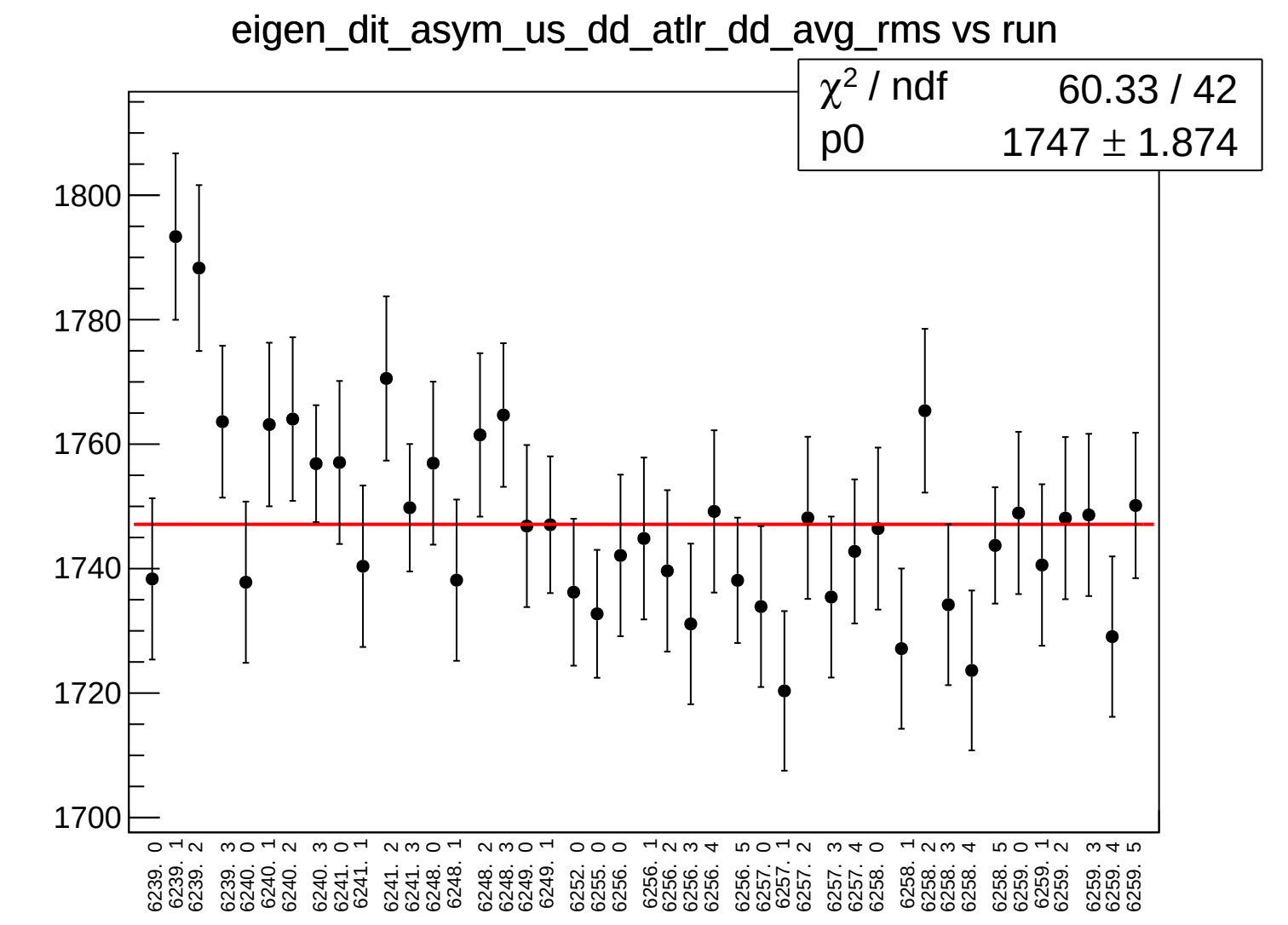
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

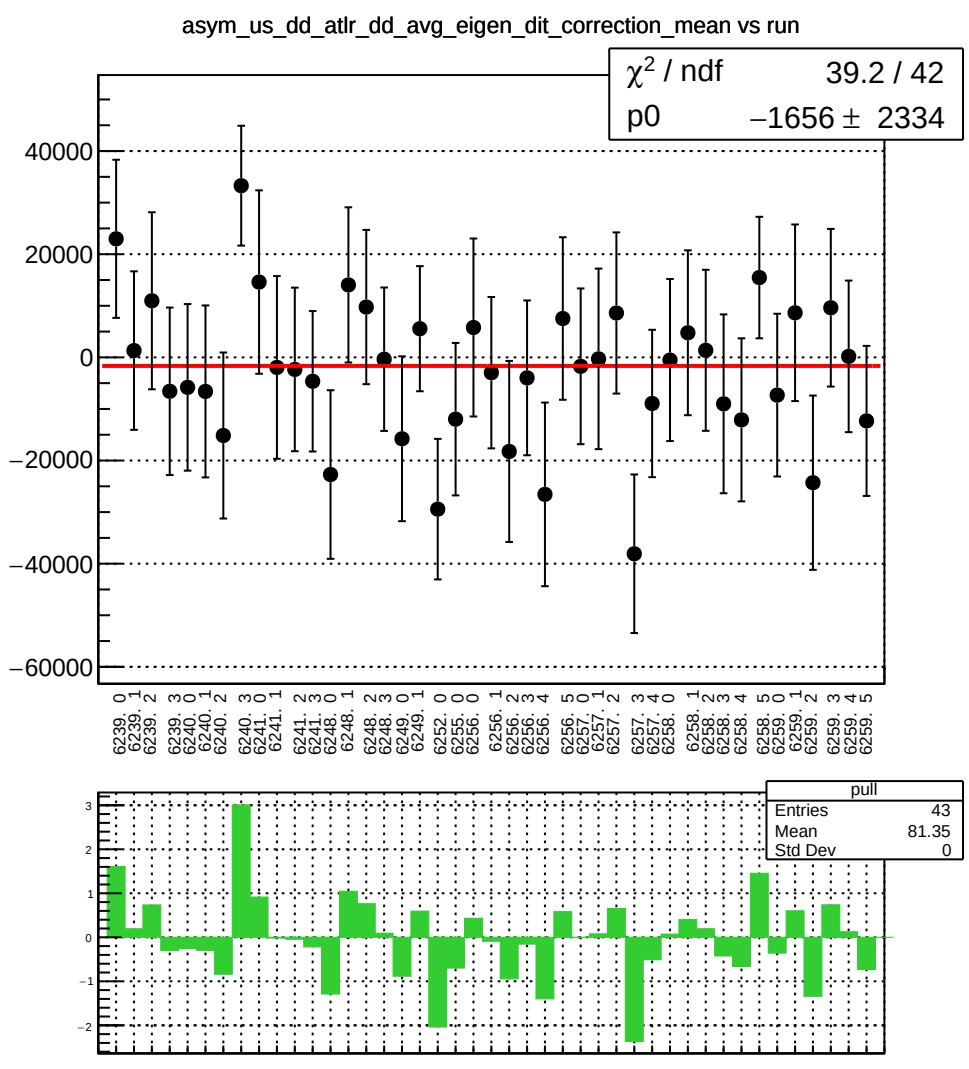

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 39.2 / 42
p0 −1656 ± 2334
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.34
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03681
Std Dev 0.9541
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

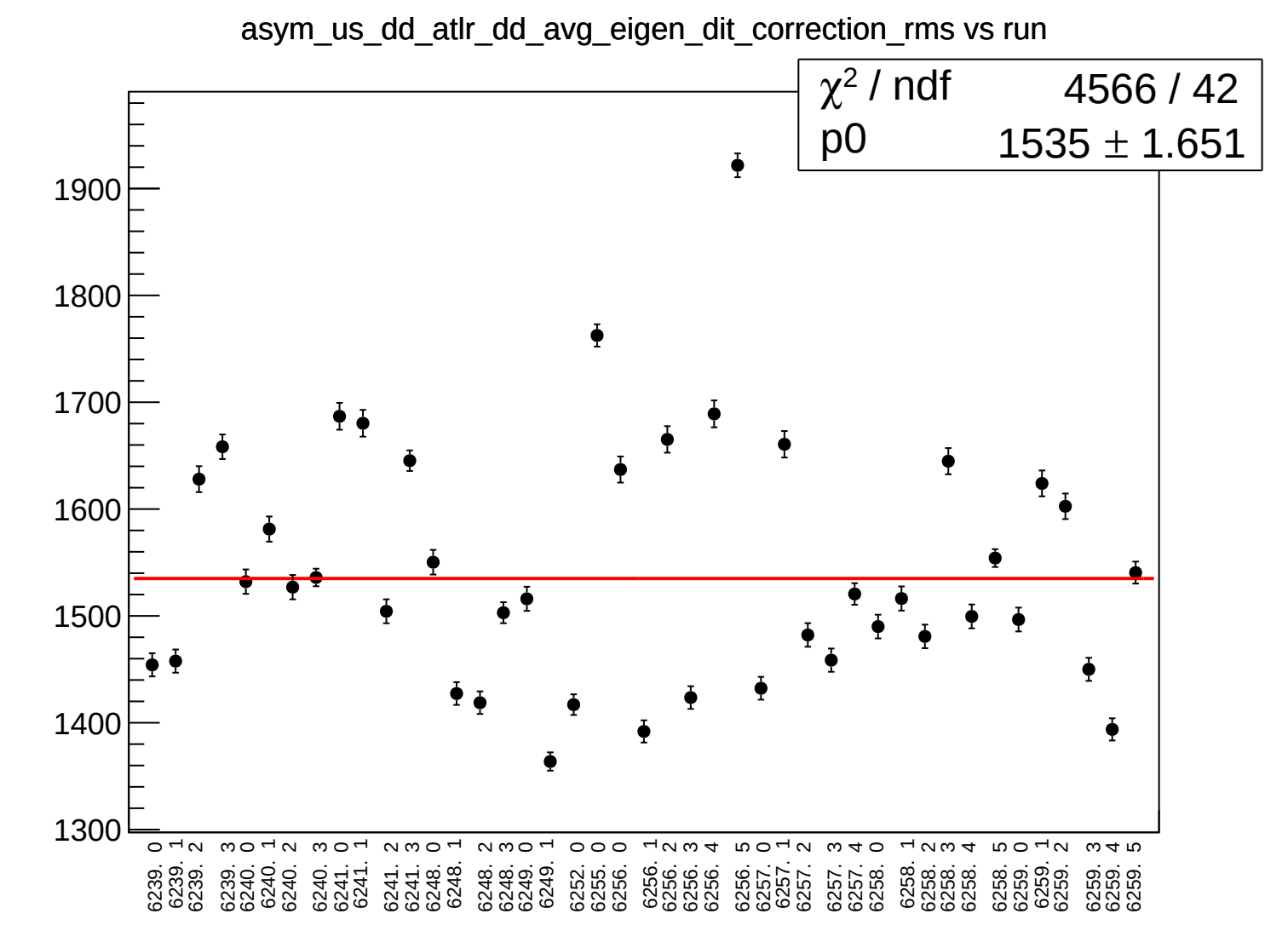

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 4566 / 42
p0 1535 ± 1.651
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

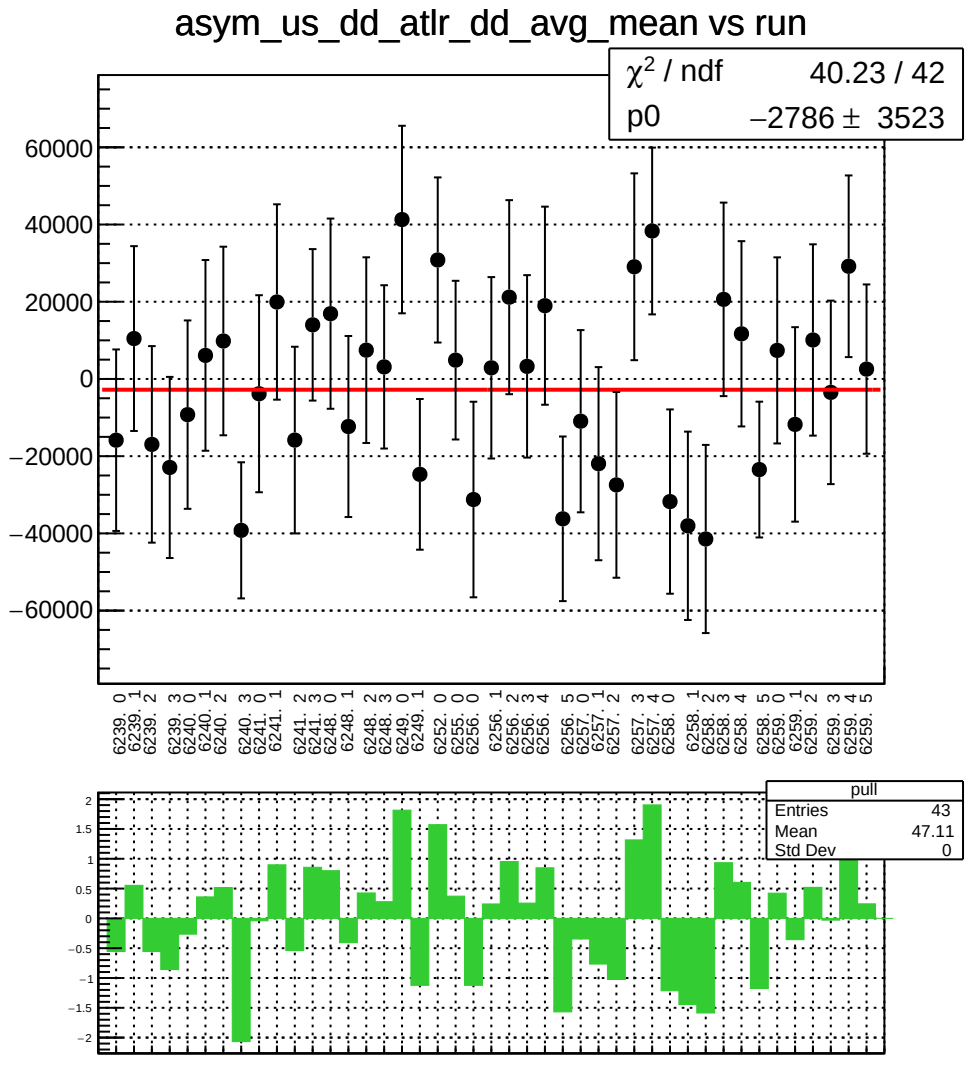

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 36.8 / 42
p0 −4765 ± 2650
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −118.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

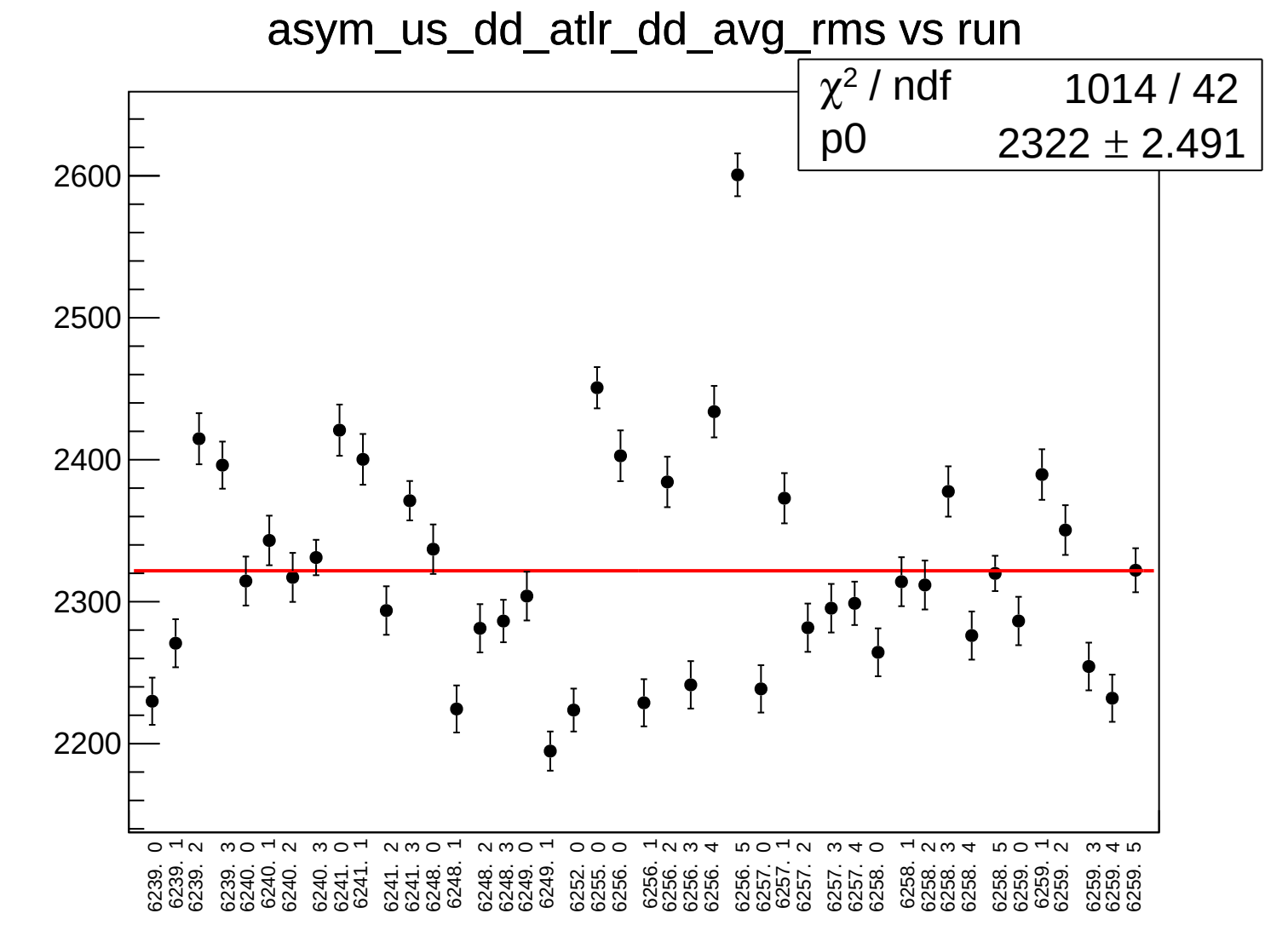

pull1D
Entries 43
Mean 0.008177
Std Dev 0.925
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

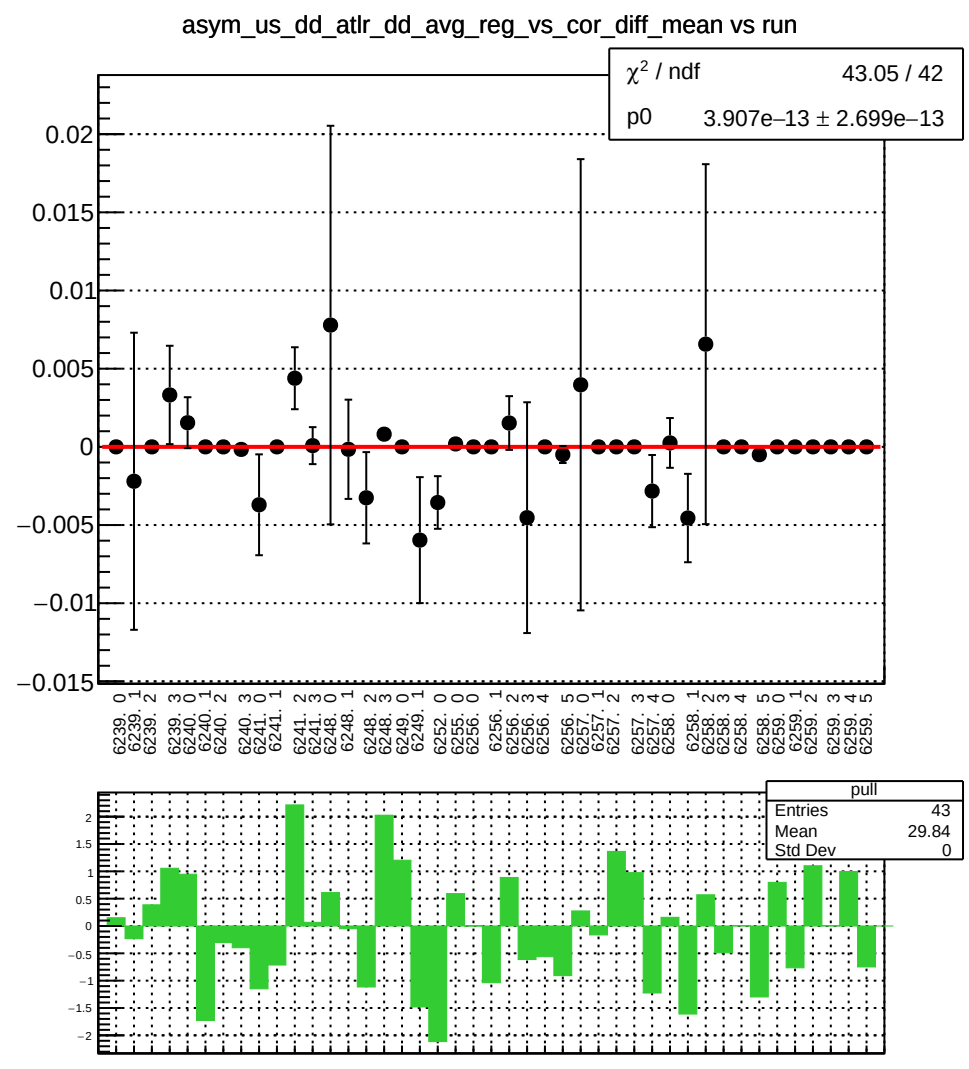

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 60.33 / 42
p0 1747 ± 1.874
1800
1780
1760
1740
1720
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

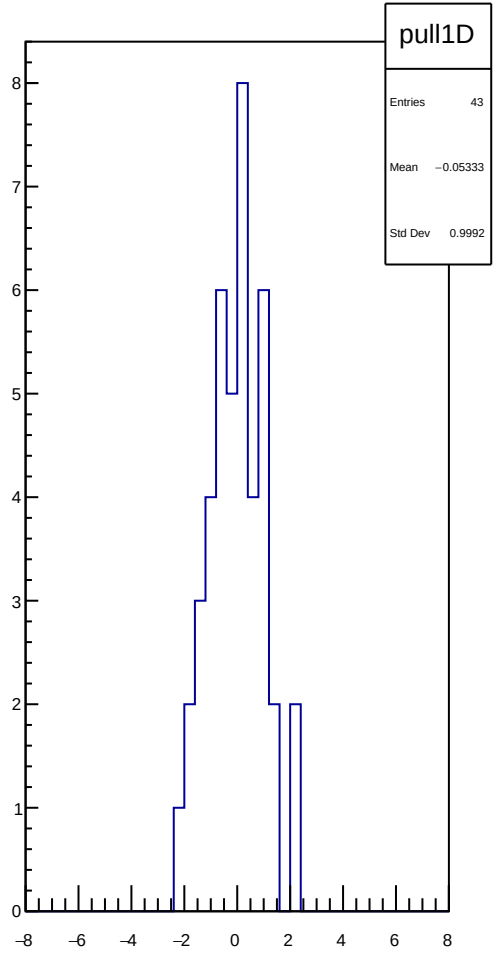

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 39.2 / 42
p0 −1656 ± 2334
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.35
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03681
Std Dev 0.9541
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

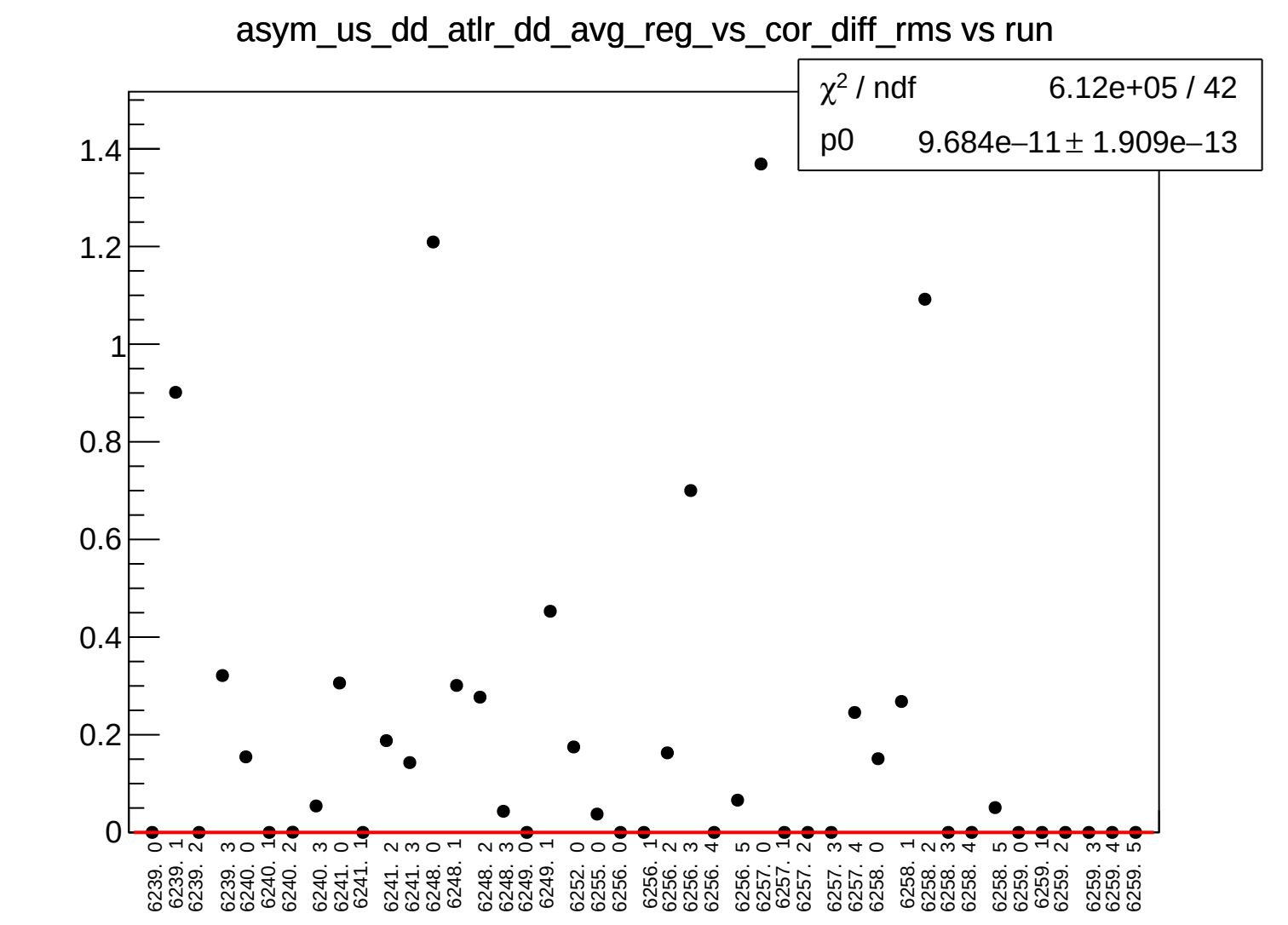

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4566 / 42
p0 1535 ± 1.651
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

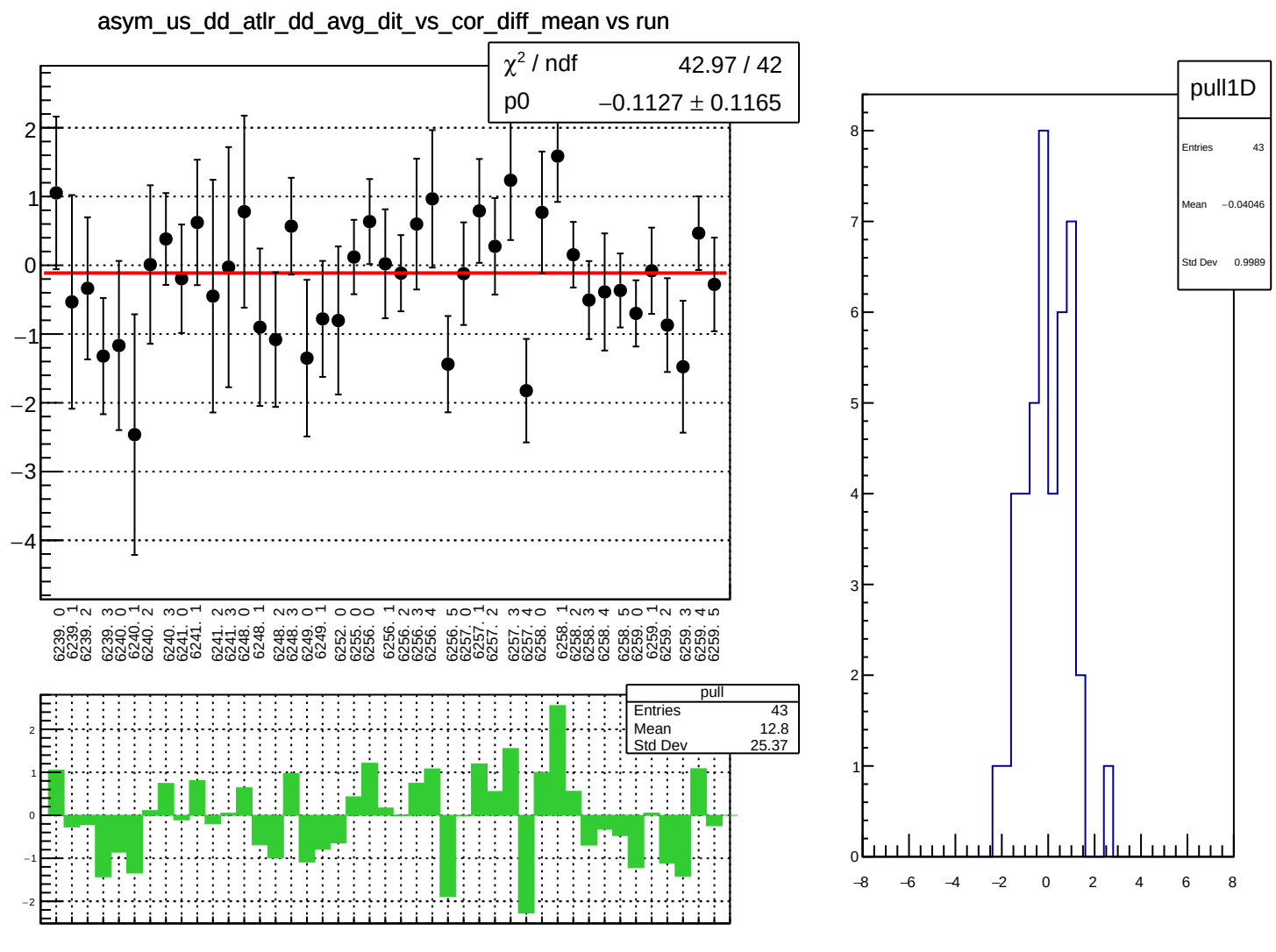

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 40.23 / 42
p0 −2786 ± 3523
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02335
Std Dev 0.9669
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

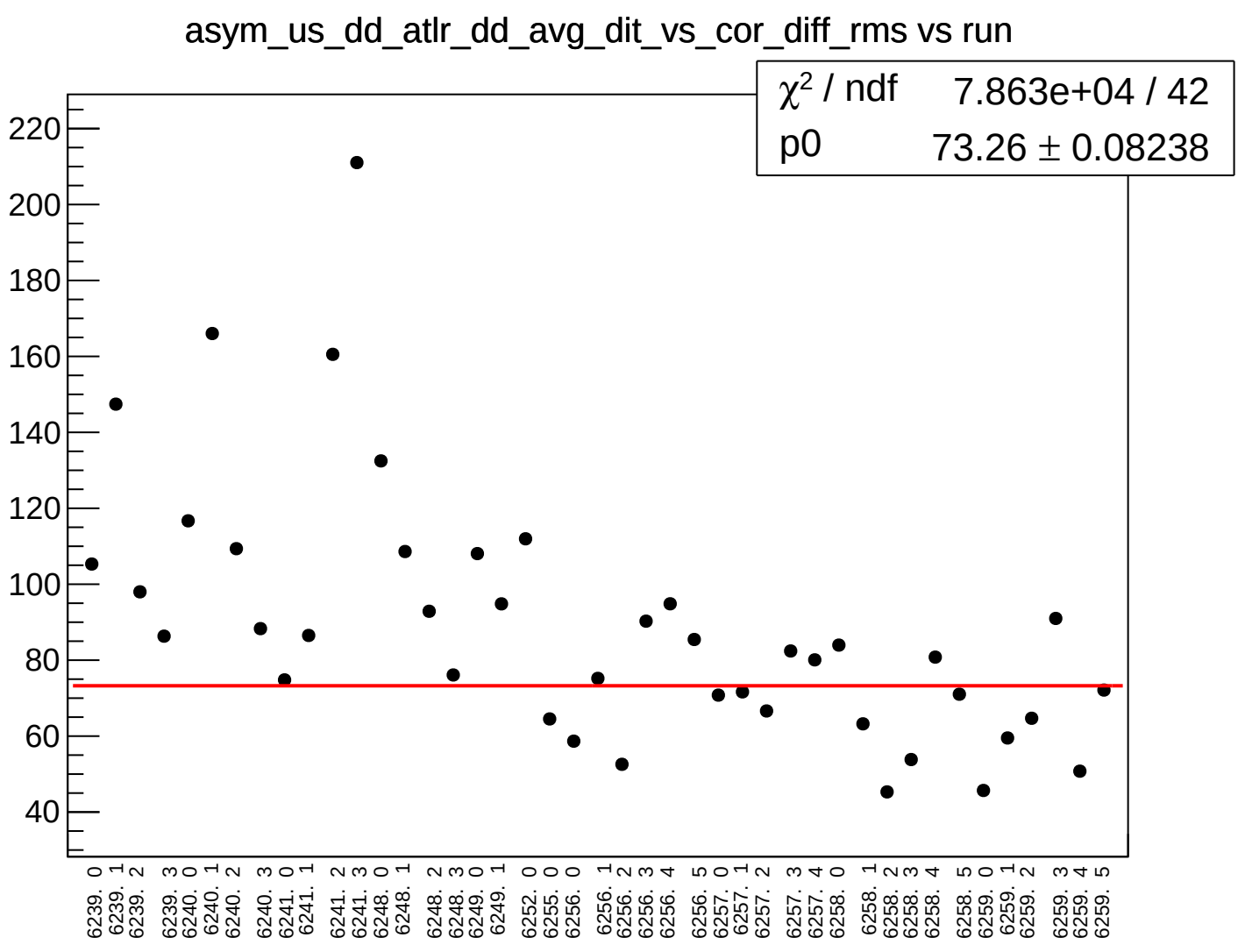

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1014 / 42
p0 2322 ± 2.491
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

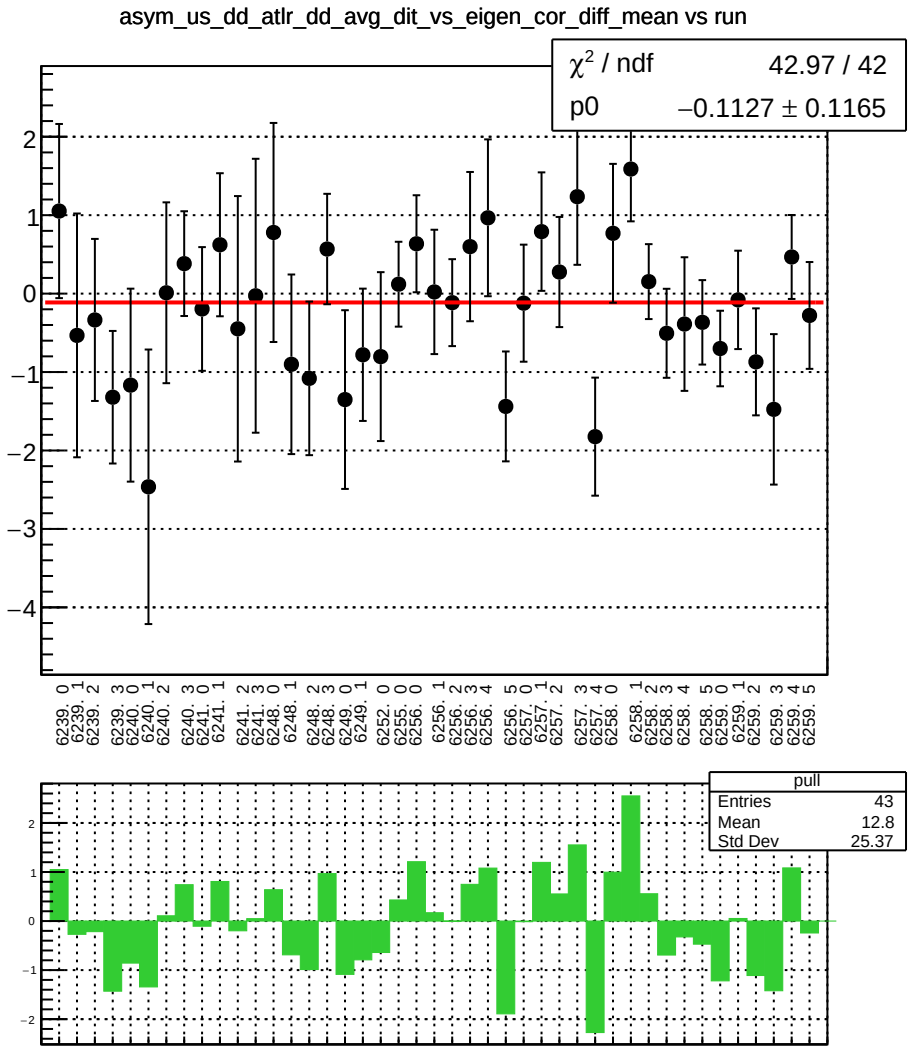

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.05 / 42
p0 3.907e−13 ± 2.699e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

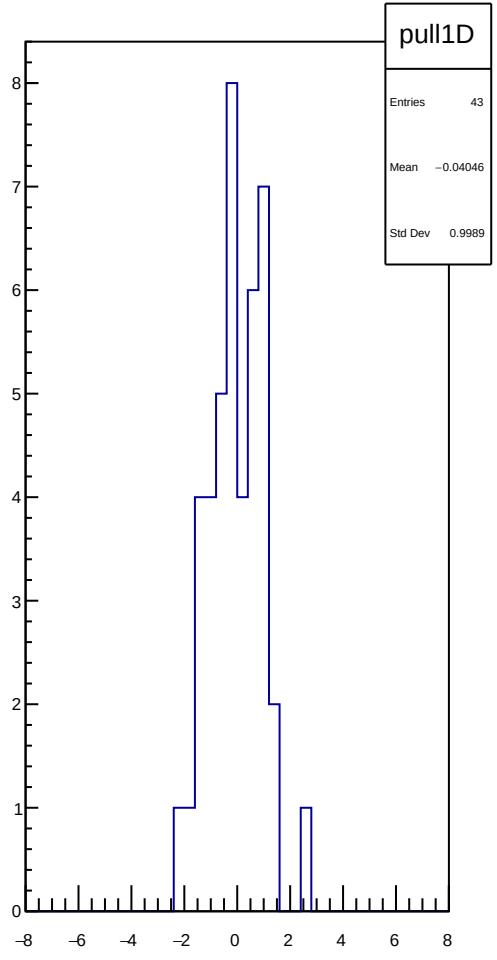

pull1D
Entries 43
Mean −0.05333
Std Dev 0.9992
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

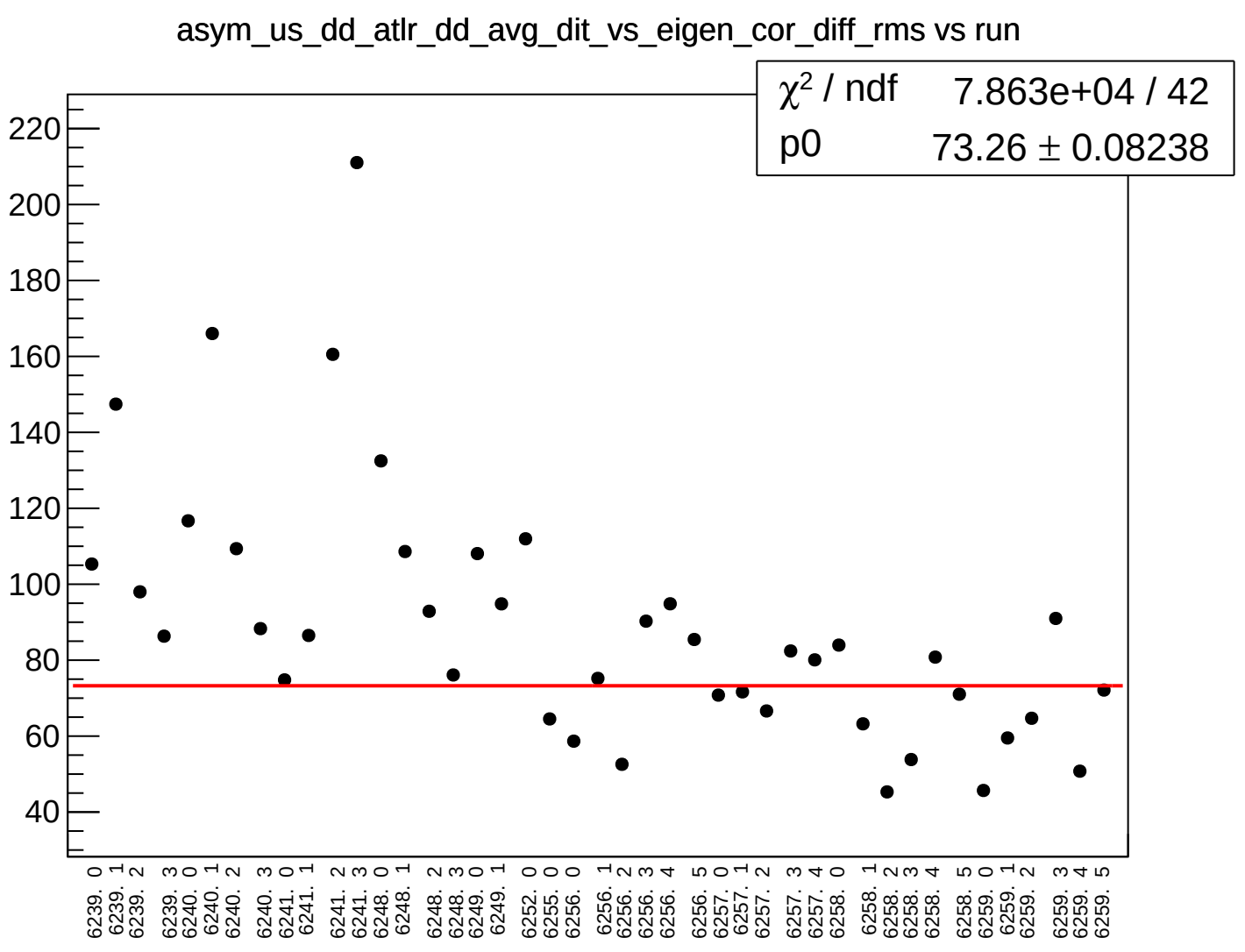

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.12e+05 / 42
p0 9.684e−11 ± 1.909e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

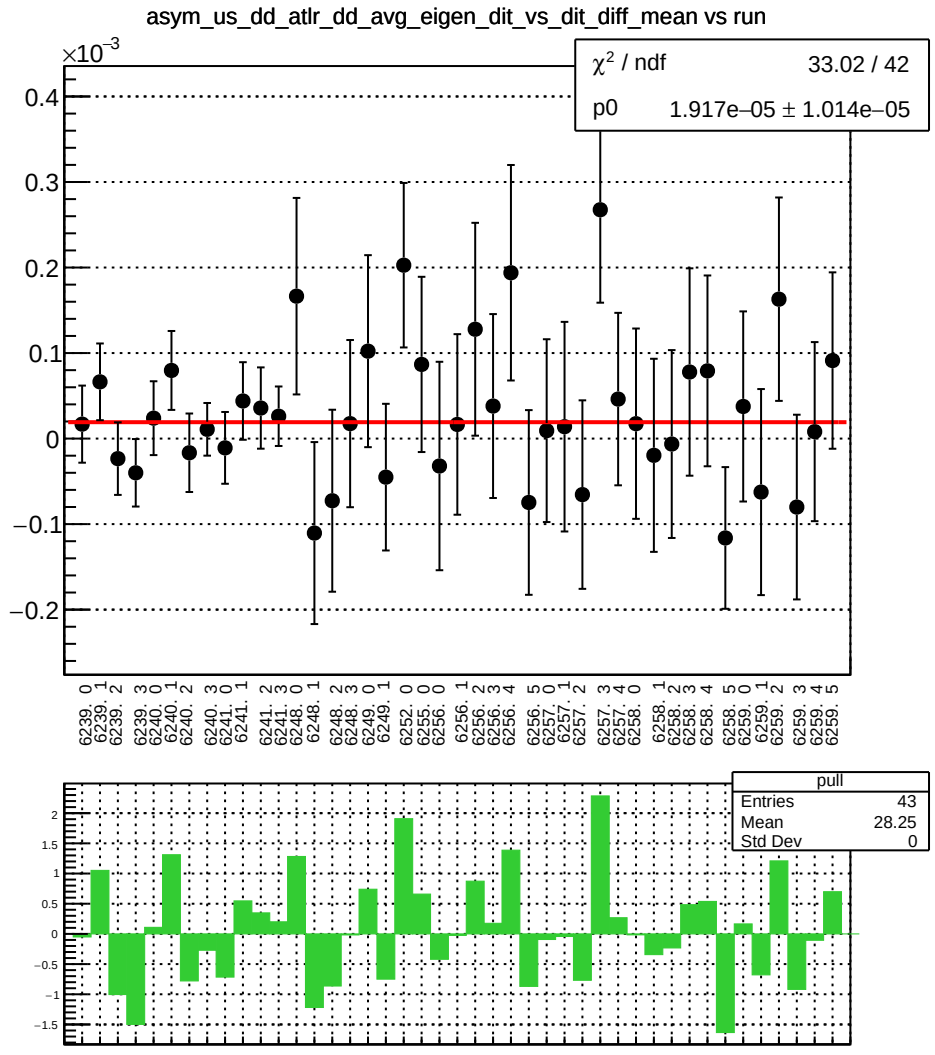

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.97 / 42
p0 −0.1127 ± 0.1165
pull
Entries 43
Mean 12.8
Std Dev 25.37
pull1D
Entries 43
Mean −0.04046
Std Dev 0.9989

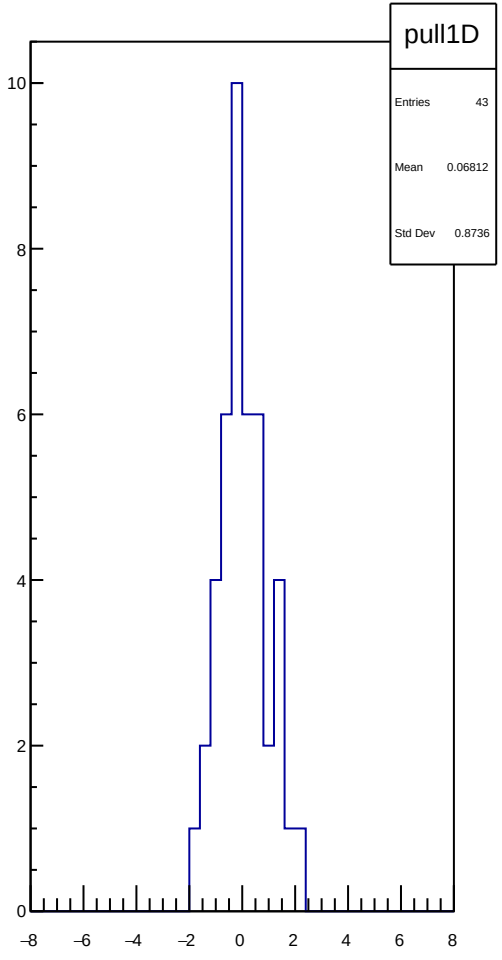

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.863e+04 / 42
p0 73.26 ± 0.08238
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

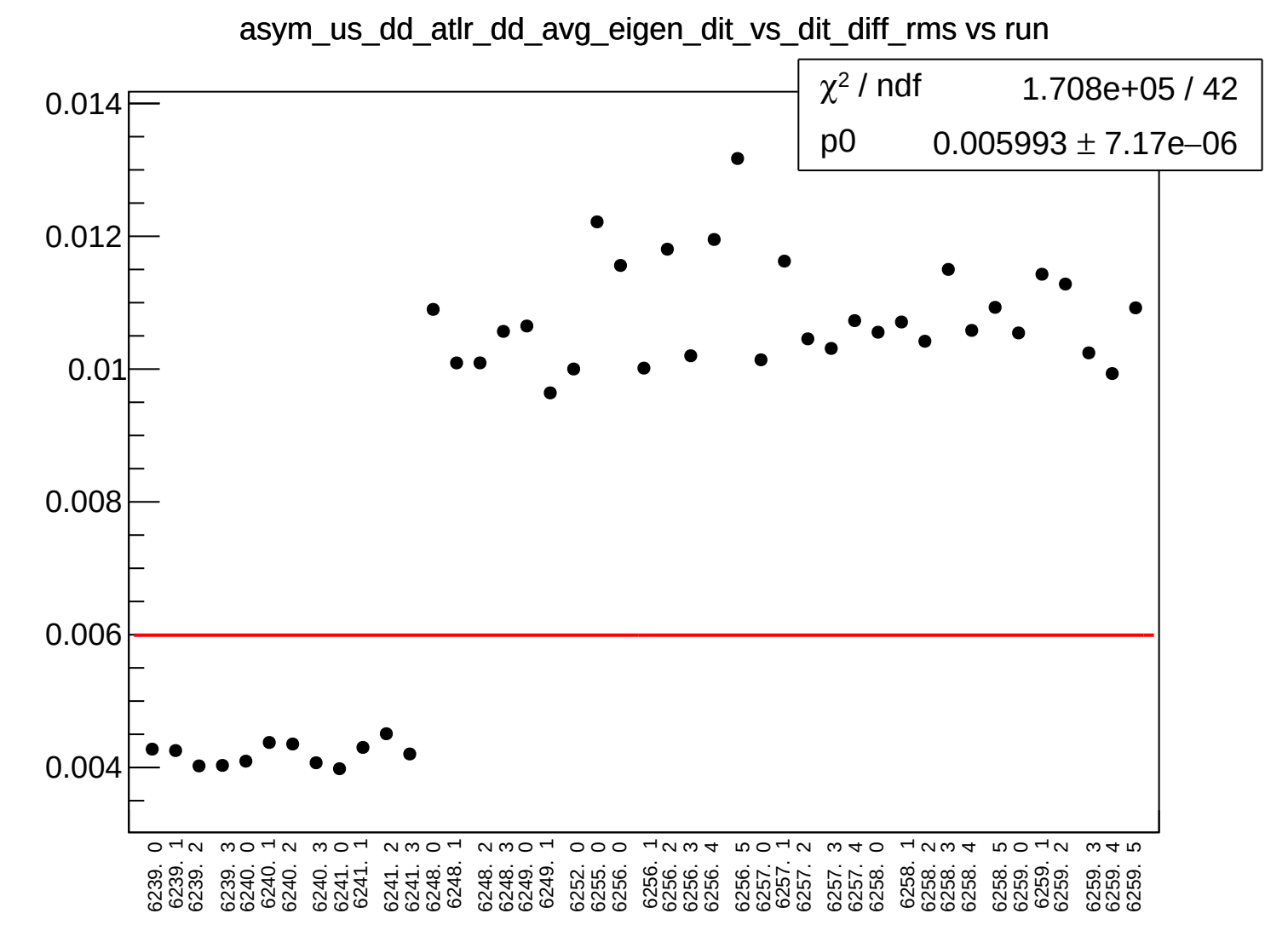

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.97 / 42
p0 −0.1127 ± 0.1165
pull
Entries 43
Mean 12.8
Std Dev 25.37

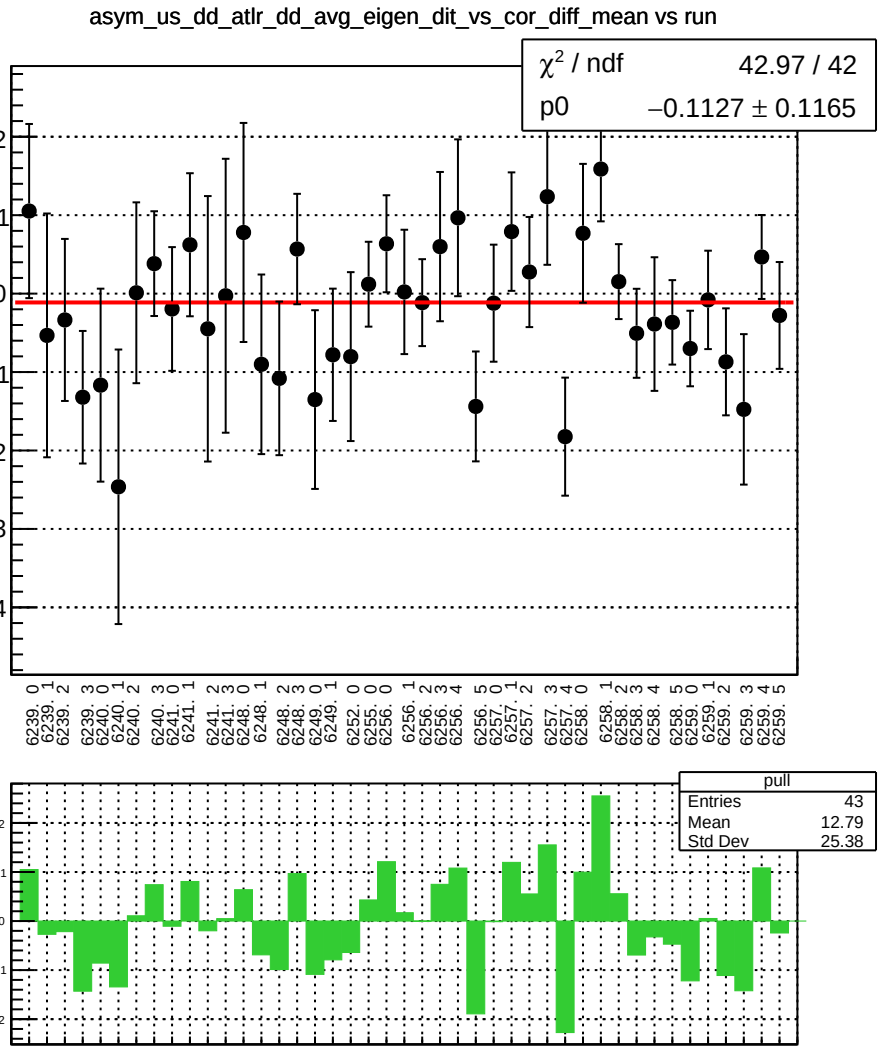

pull1D
Entries 43
Mean −0.04046
Std Dev 0.9989

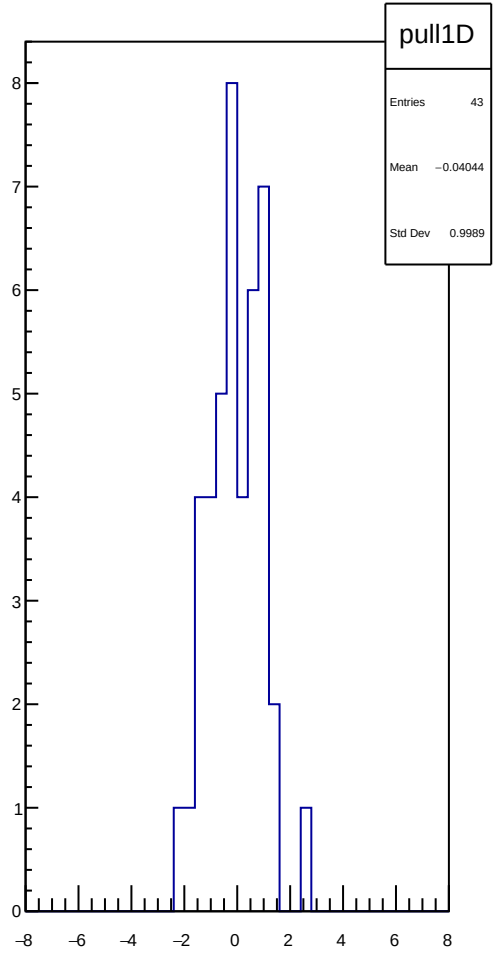

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.863e+04 / 42
p0 73.26 ± 0.08238
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

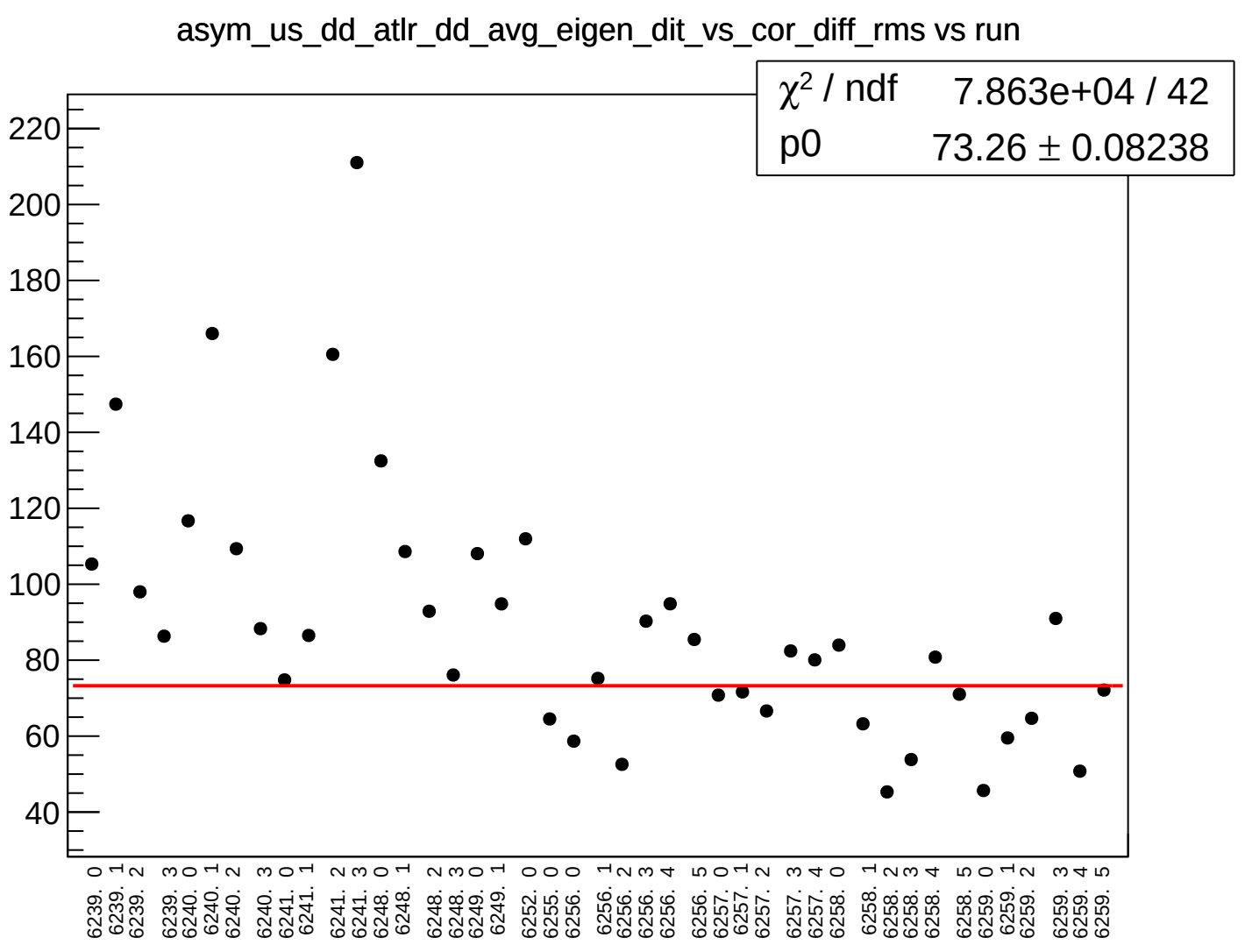

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 33.02 / 42
p0 1.917e−05 ± 1.014e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 28.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

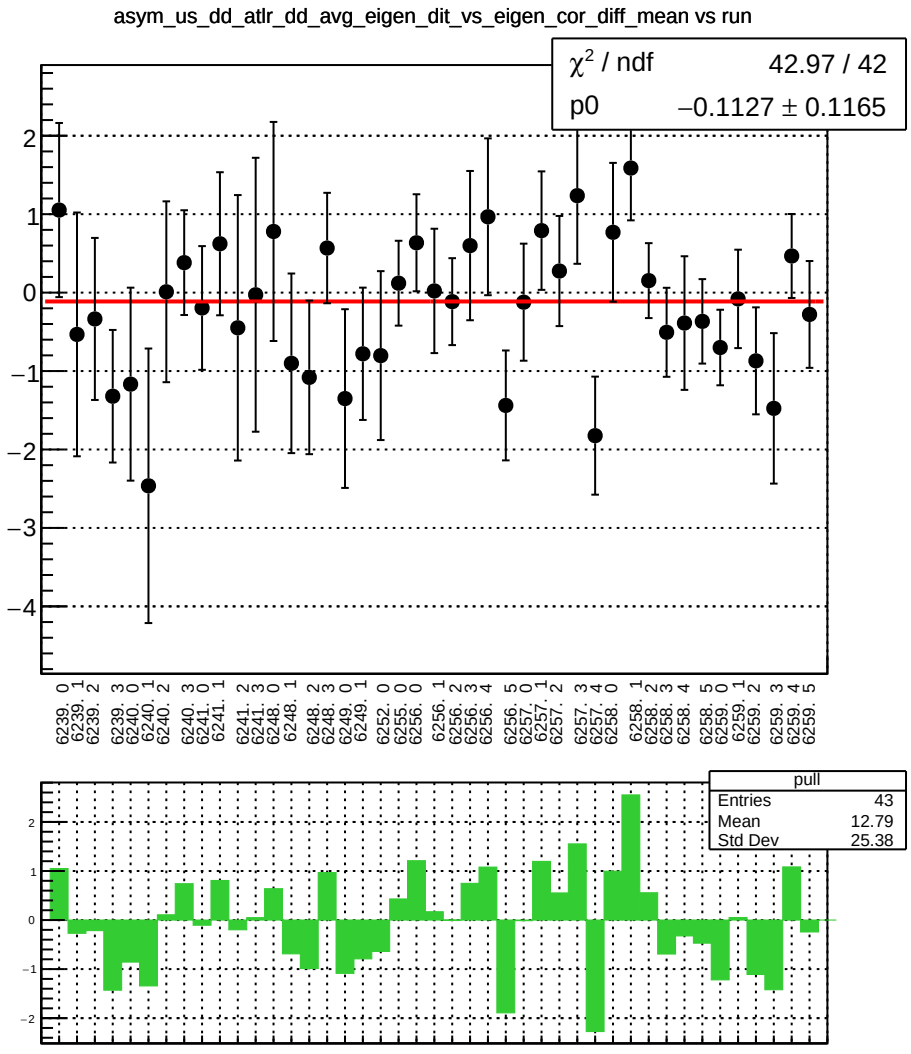

pull1D
Entries 43
Mean 0.06812
Std Dev 0.8736
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

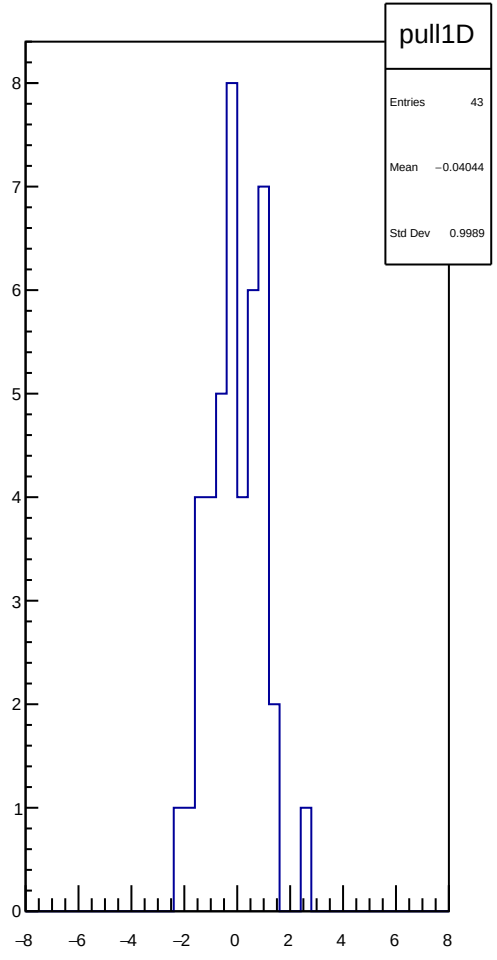

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.708e+05 / 42
p0 0.005993 ± 7.17e−06
0.014
0.012
0.01
0.008
0.006
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

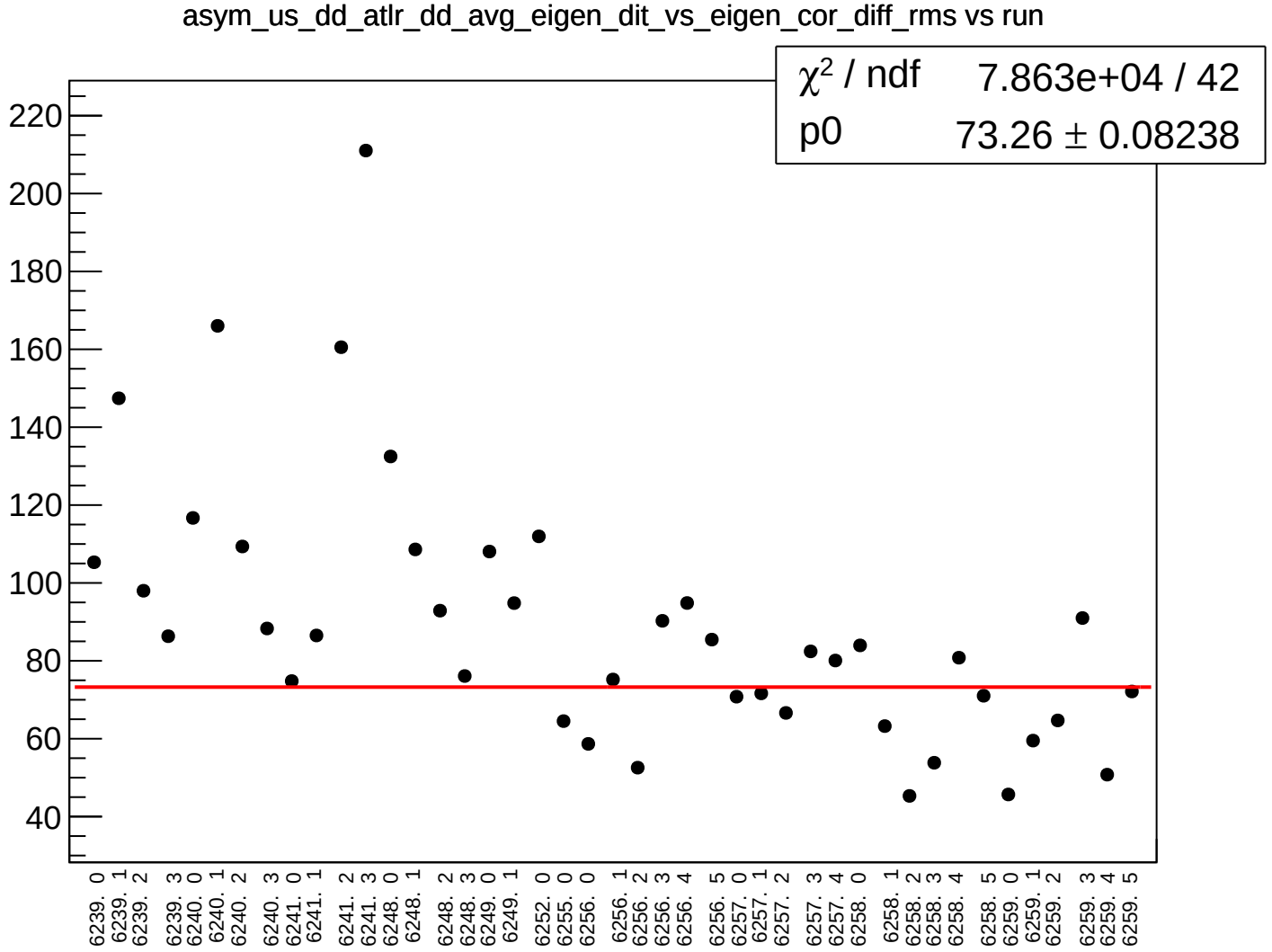

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.97 / 42
p0 −0.1127 ± 0.1165
pull
Entries 43
Mean 12.79
Std Dev 25.38

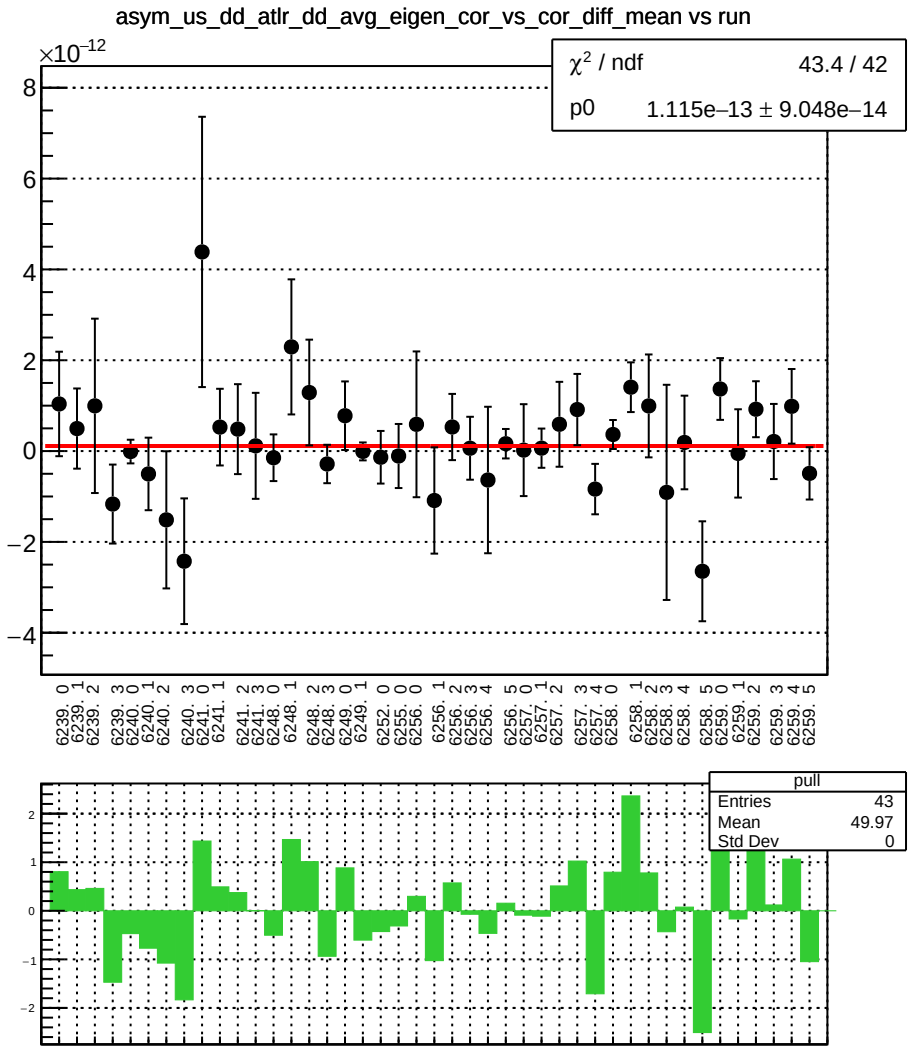

pull1D
Entries 43
Mean −0.04044
Std Dev 0.9989

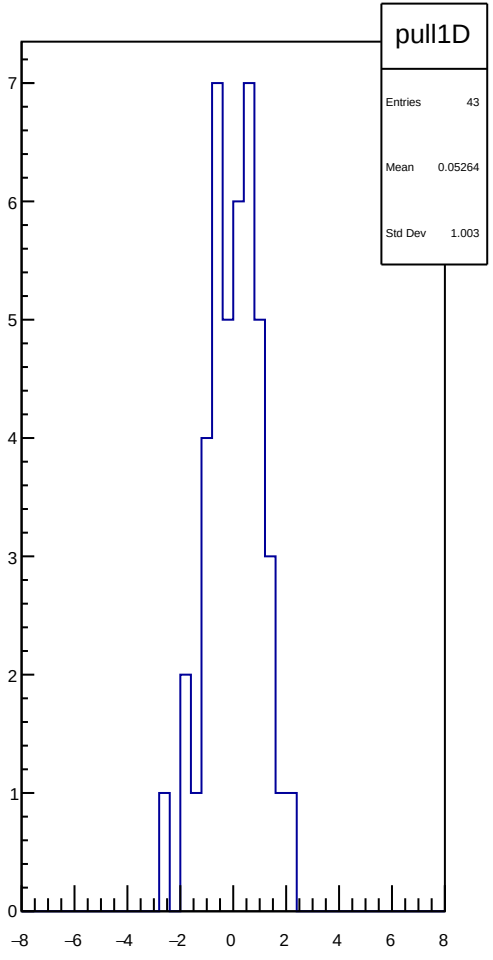

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.863e+04 / 42
p0 73.26 ± 0.08238
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

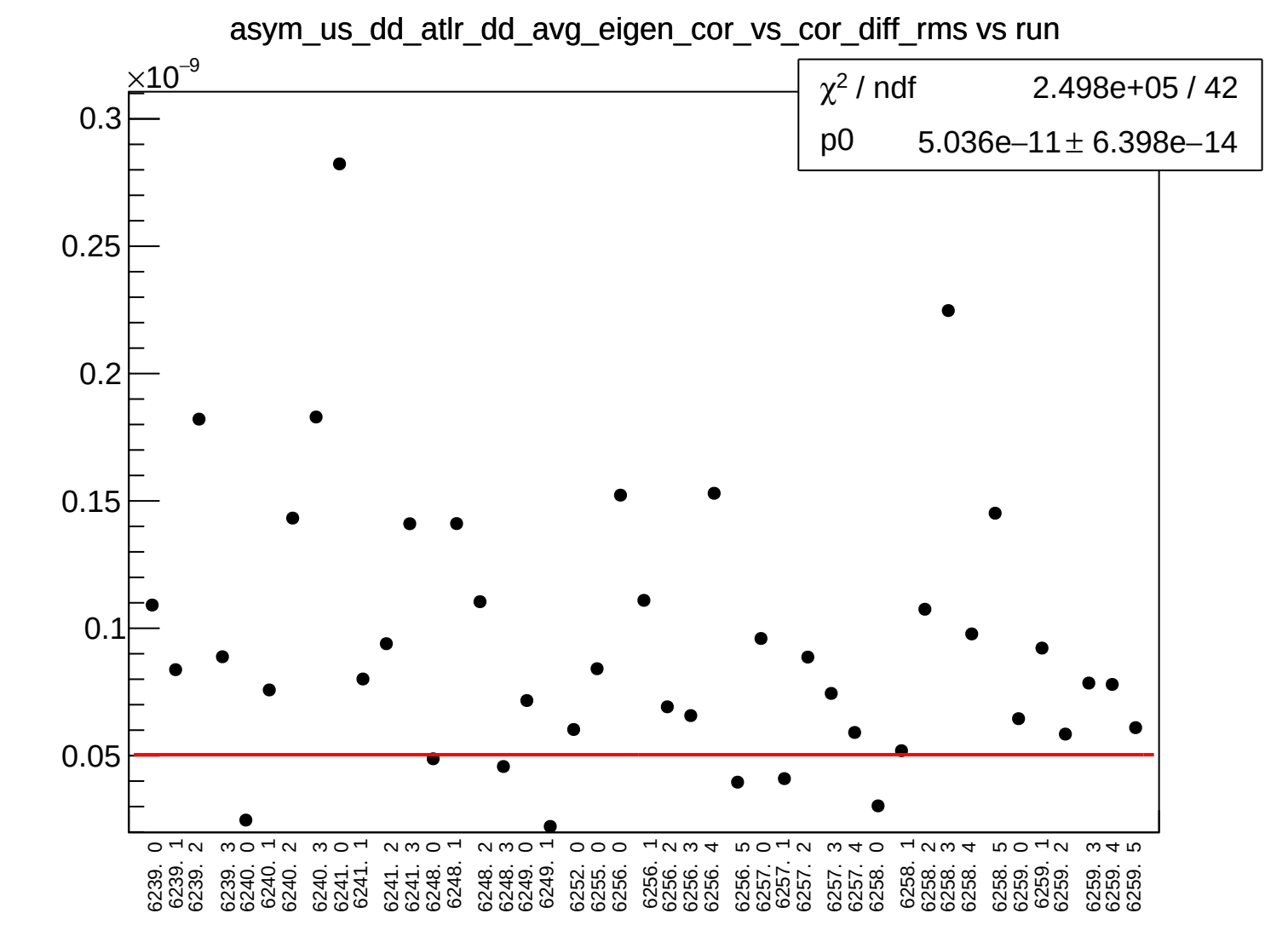

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.97 / 42
p0 −0.1127 ± 0.1165
pull
Entries 43
Mean 12.79
Std Dev 25.38

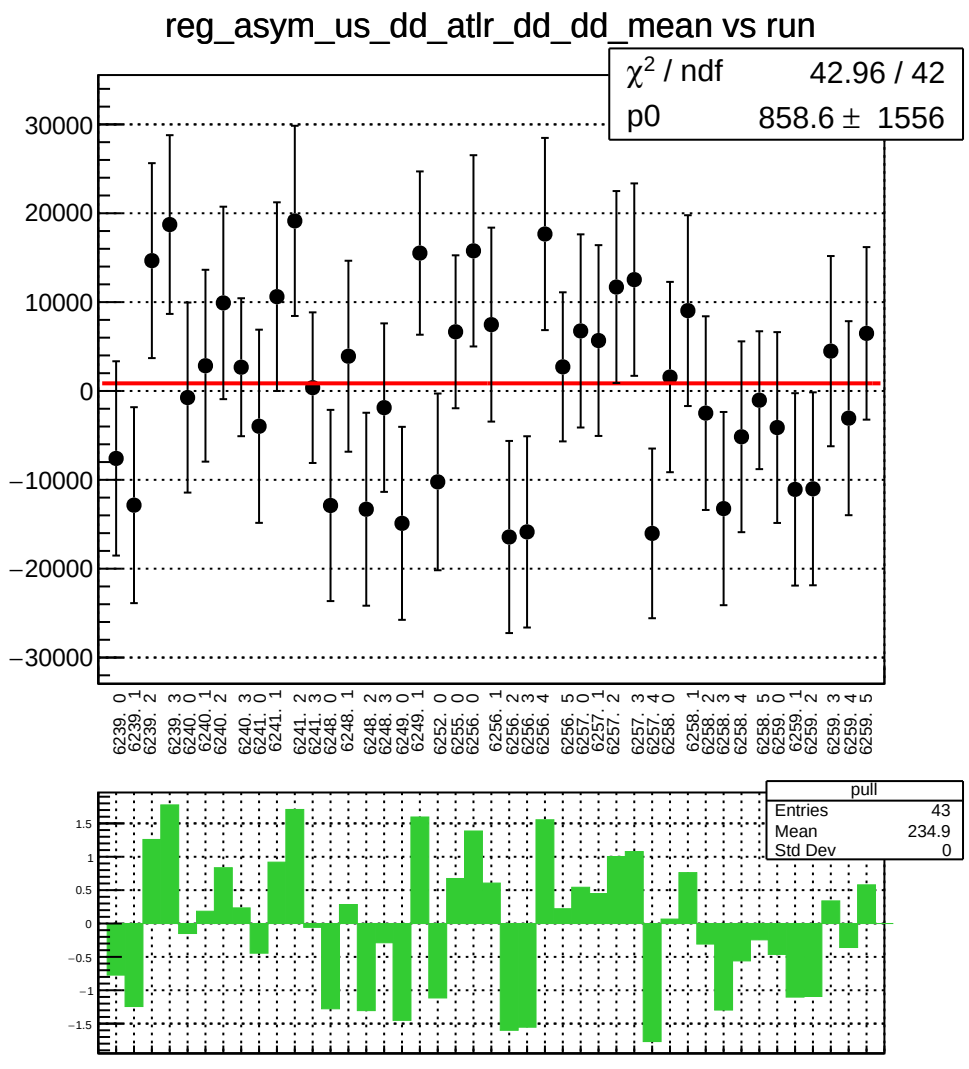

pull1D
Entries 43
Mean −0.04044
Std Dev 0.9989

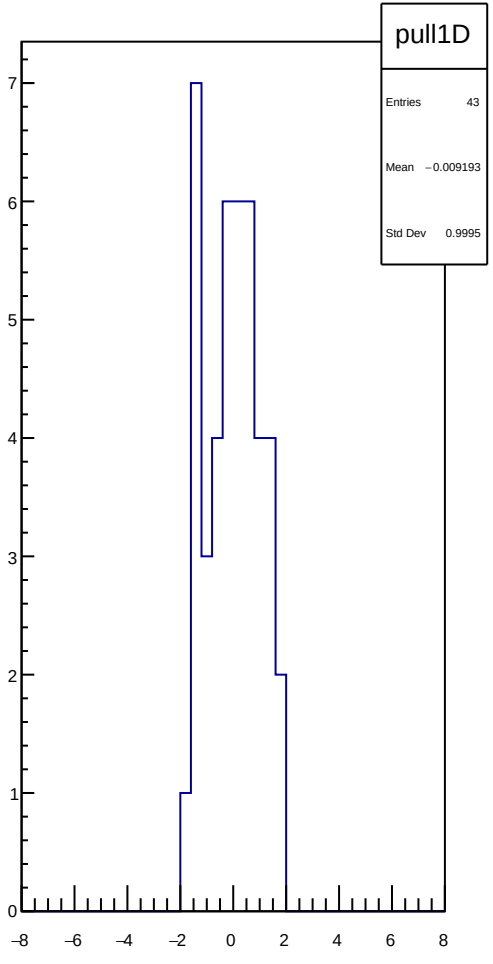

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.863e+04 / 42
p0 73.26 ± 0.08238
220
200
180
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

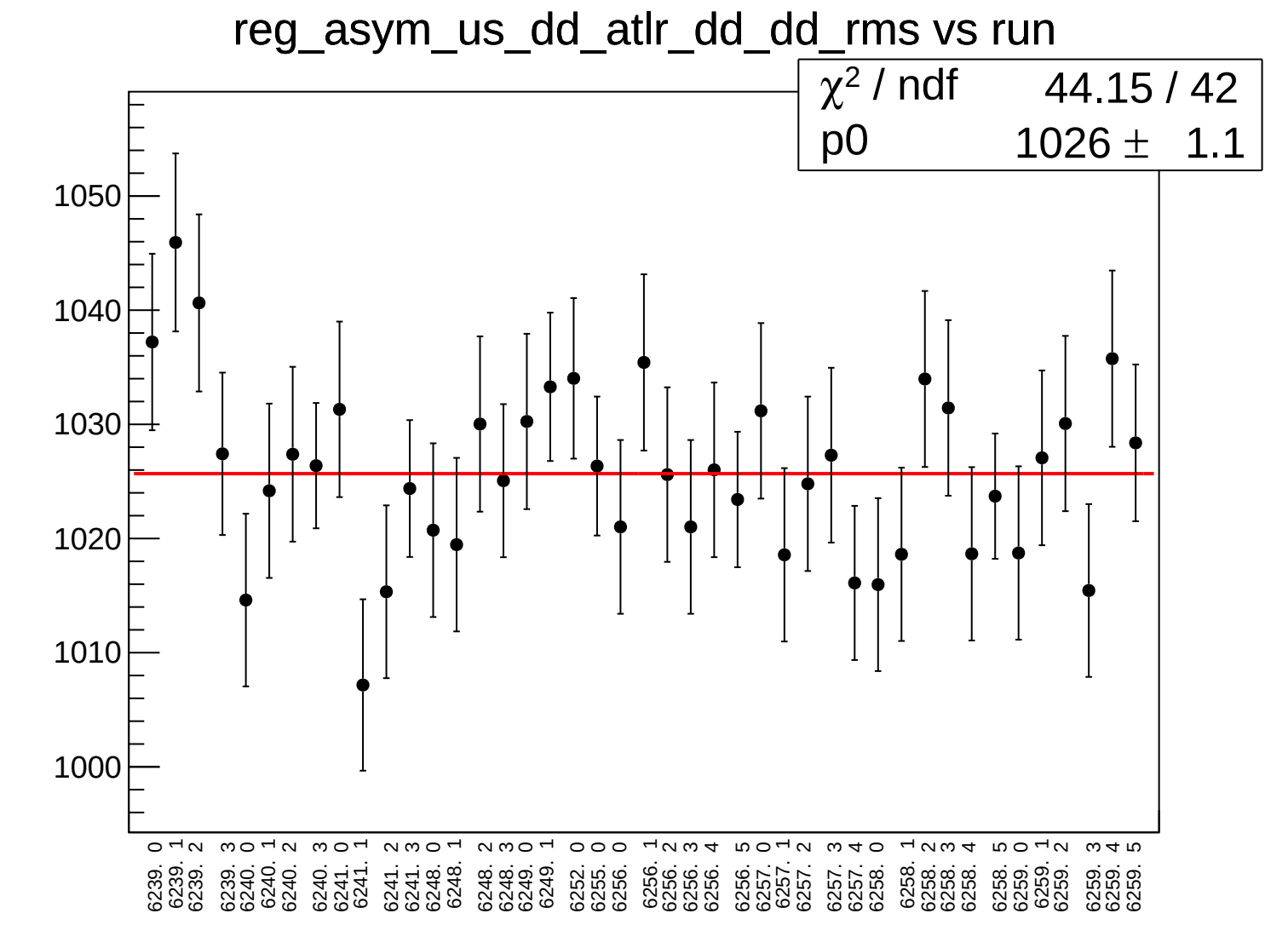

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.4 / 42
p0 1.115e−13 ± 9.048e−14
pull
Entries 43
Mean 49.97
Std Dev 0

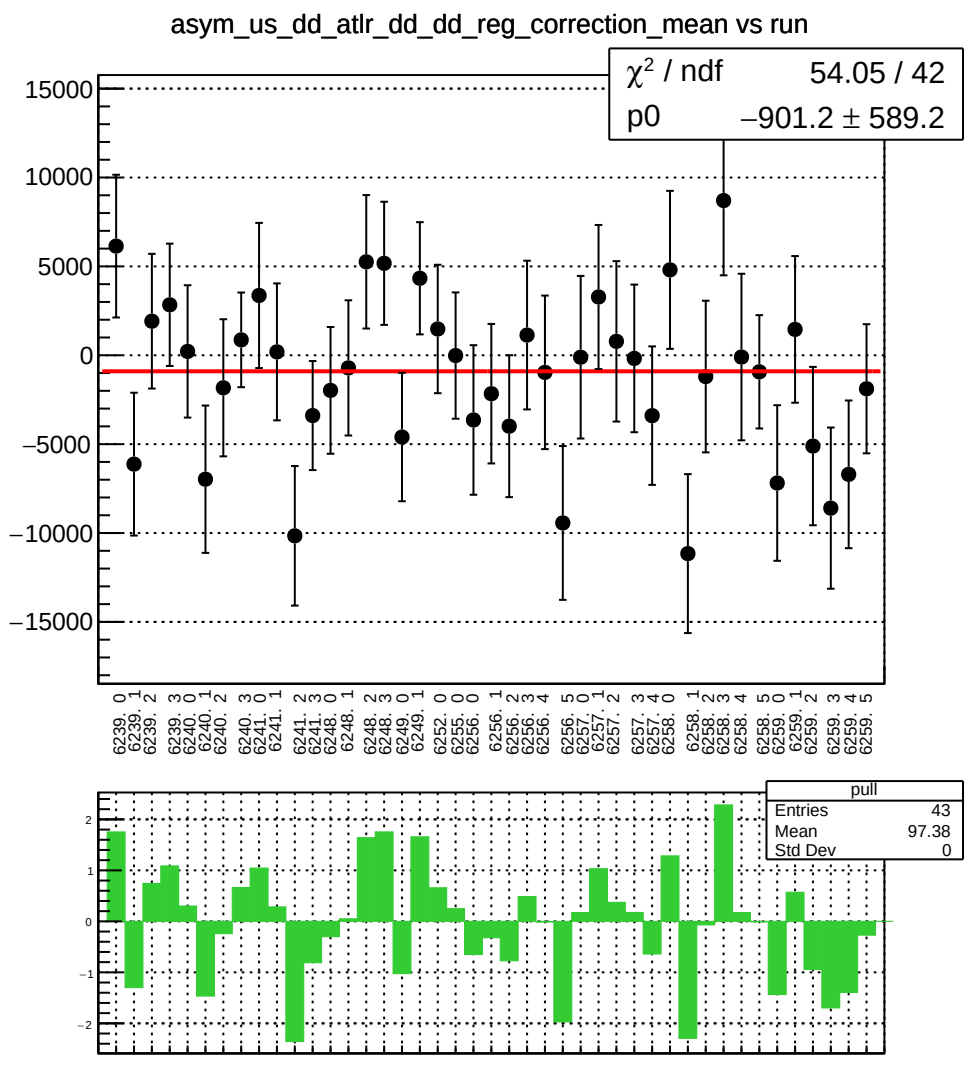

pull1D
Entries 43
Mean 0.05264
Std Dev 1.003

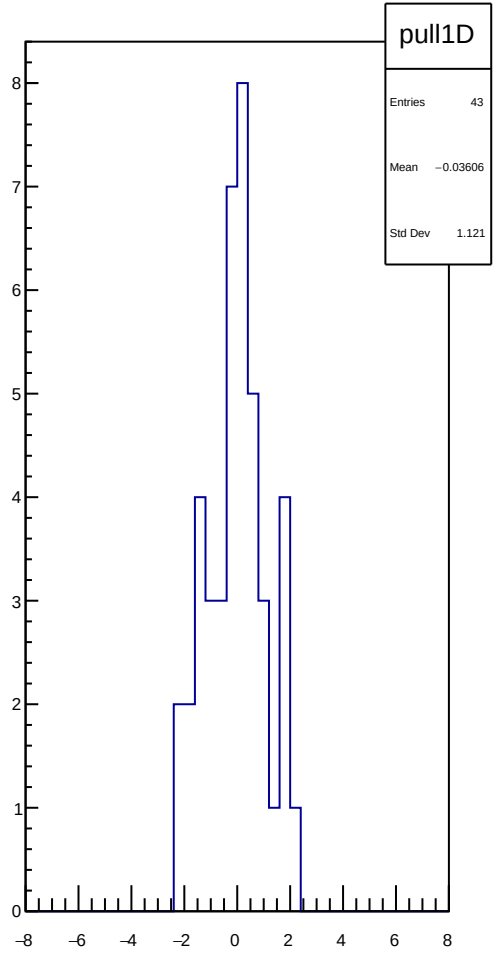

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.498e+05 / 42
p0 5.036e−11 ± 6.398e−14
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

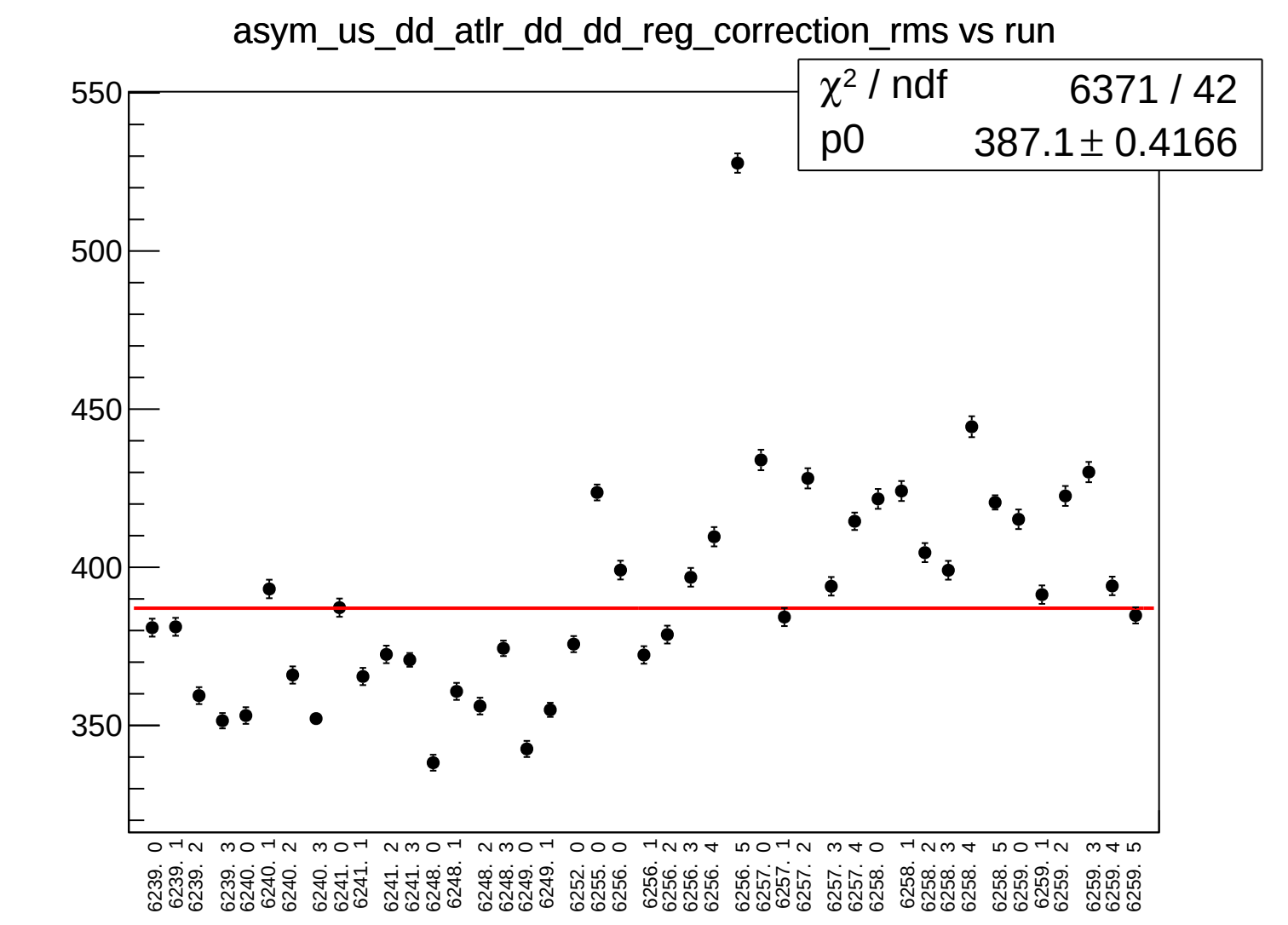

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 42.96 / 42
p0 858.6 ± 1556
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 234.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

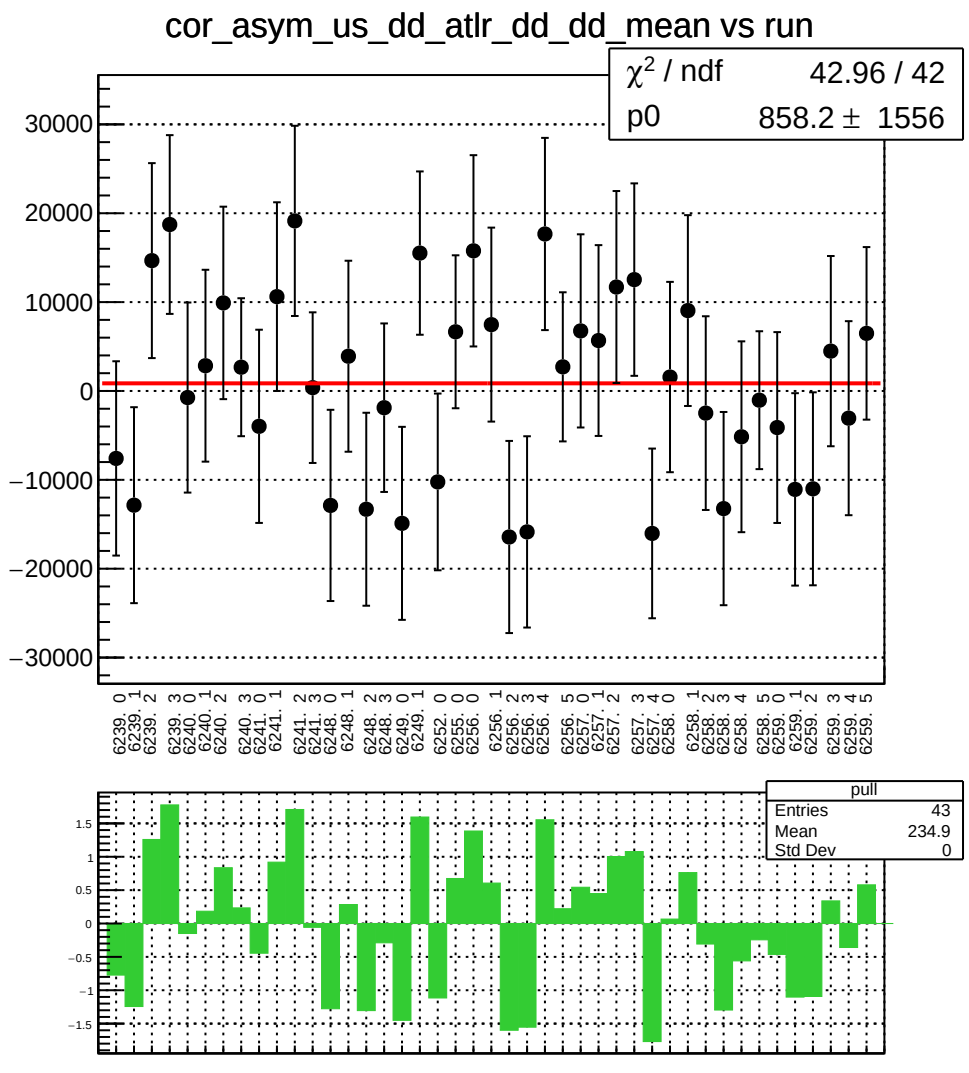

pull1D
Entries 43
Mean −0.009193
Std Dev 0.9995
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

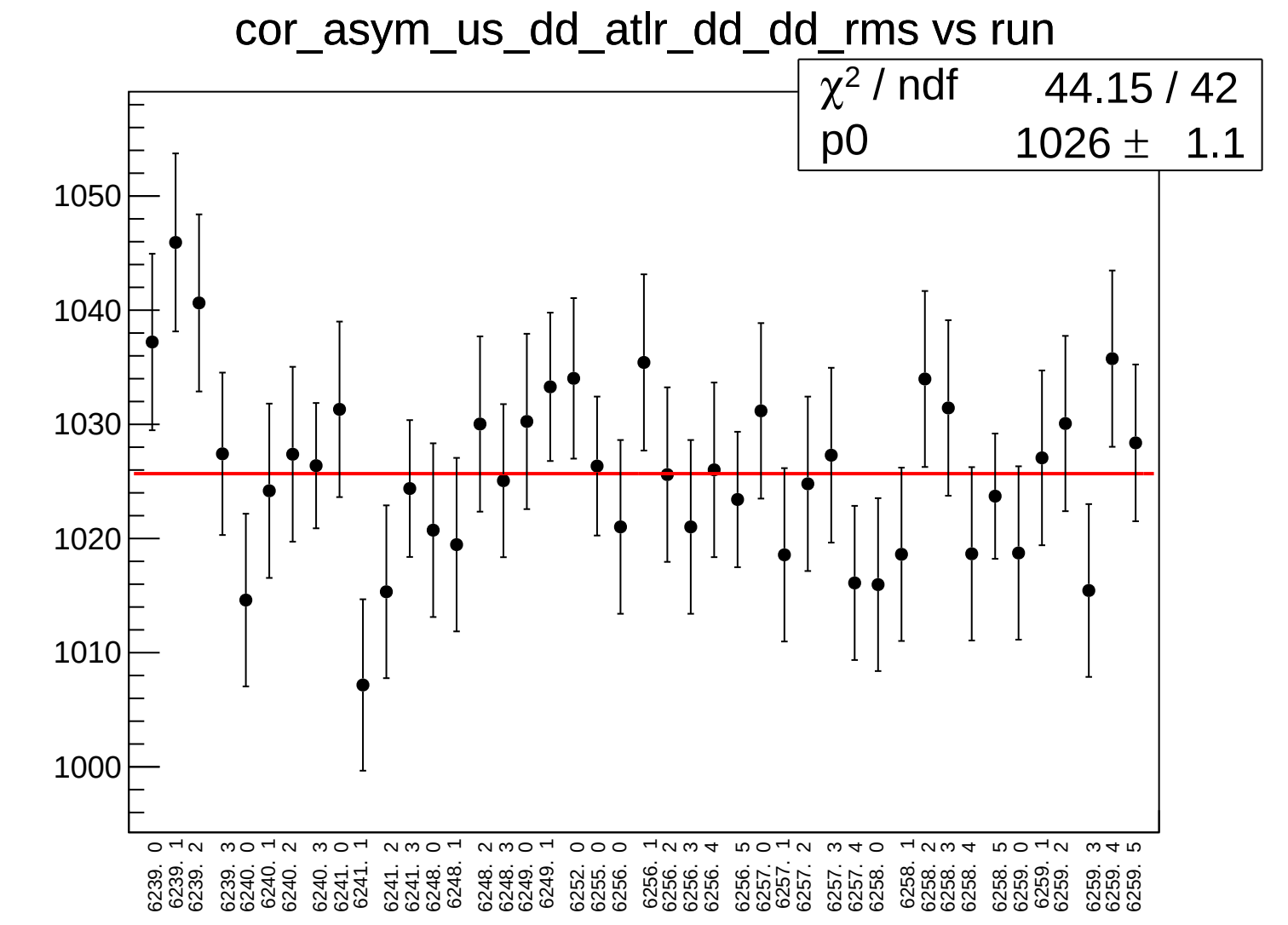

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 44.15 / 42
p0 1026 ± 1.1
1050
1040
1030
1020
1010
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

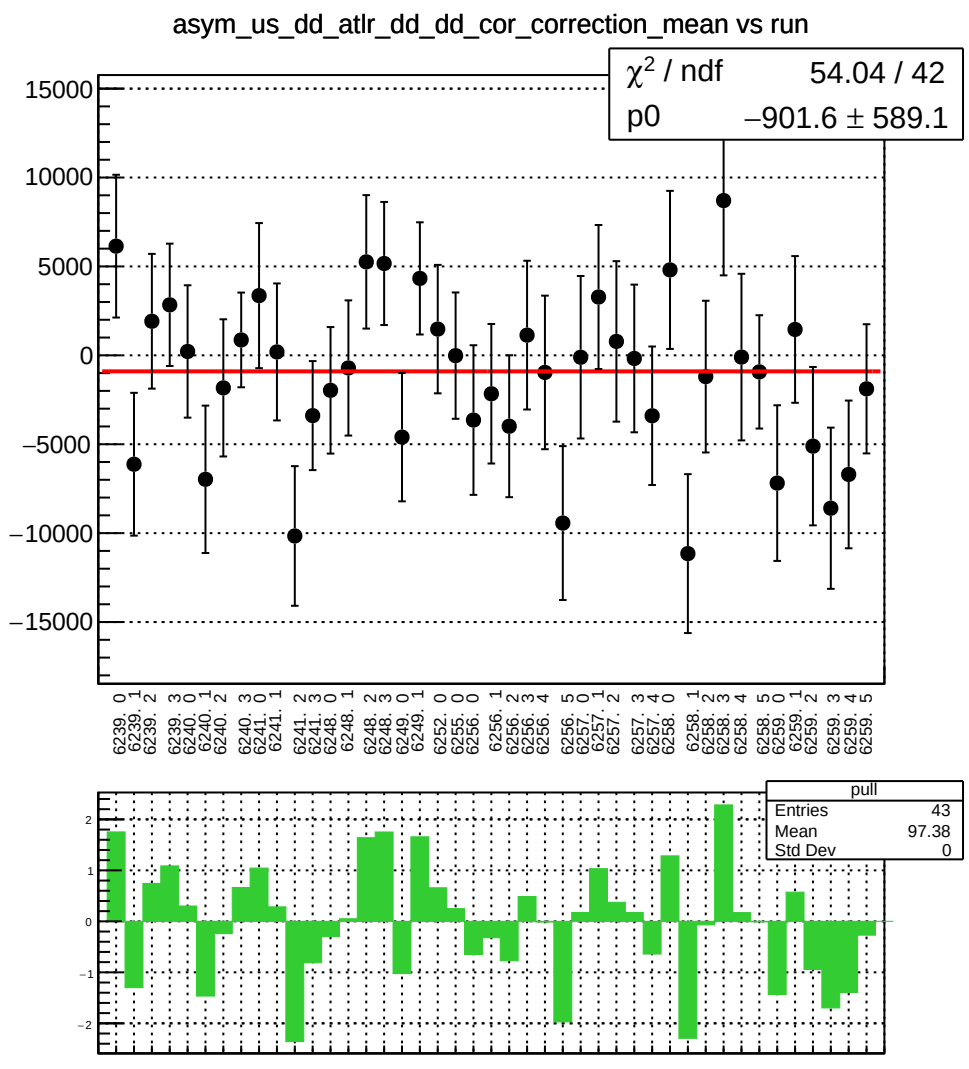

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 54.05 / 42
p0 −901.2 ± 589.2
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 97.38
Std Dev 0
2
1
0
−1
−2

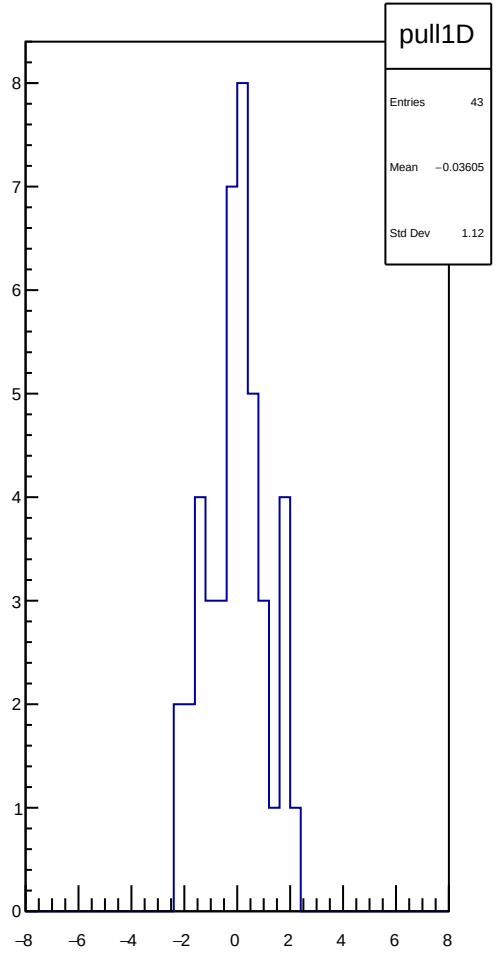

pull1D
Entries 43
Mean −0.03606
Std Dev 1.121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

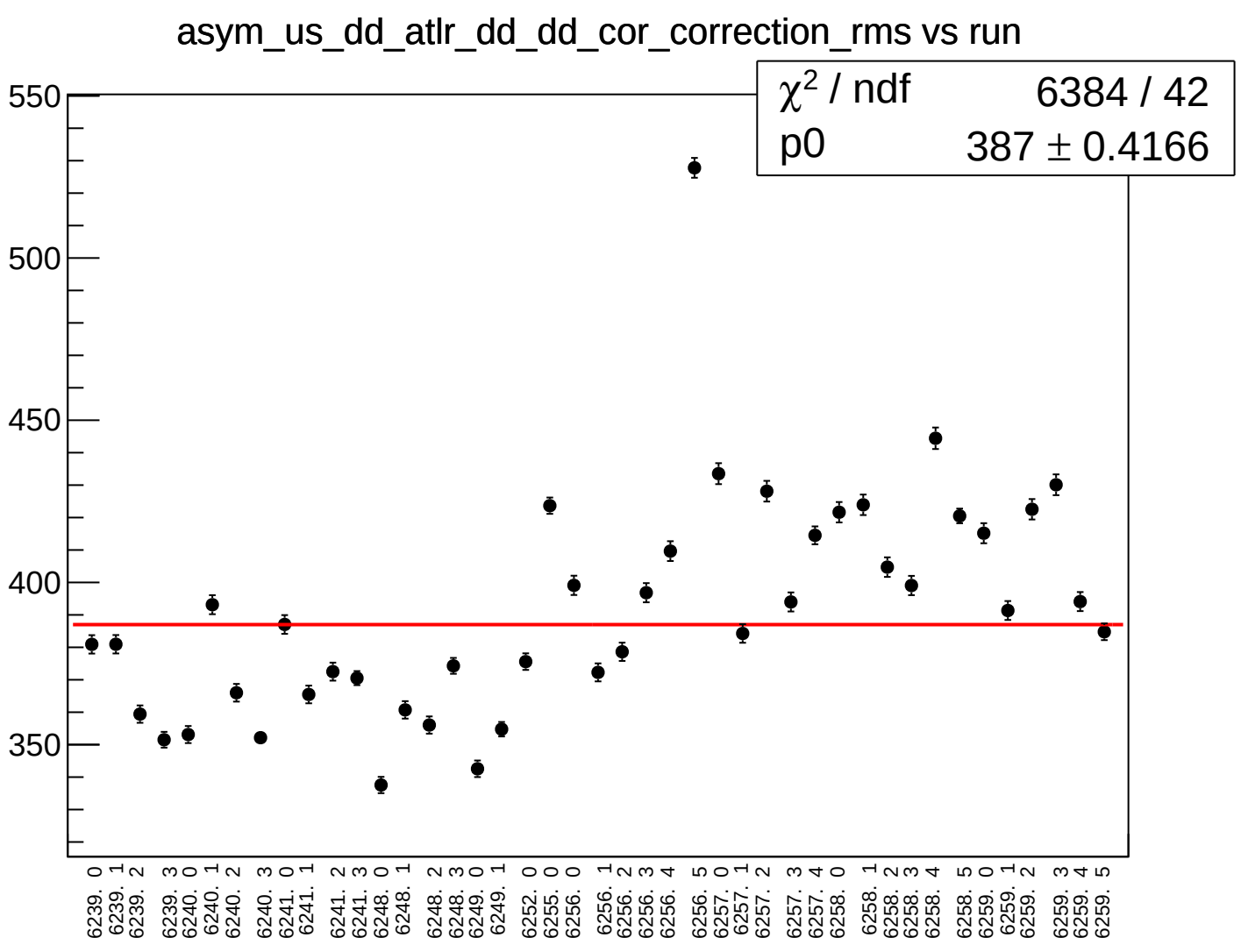

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 6371 / 42
p0 387.1 ± 0.4166
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

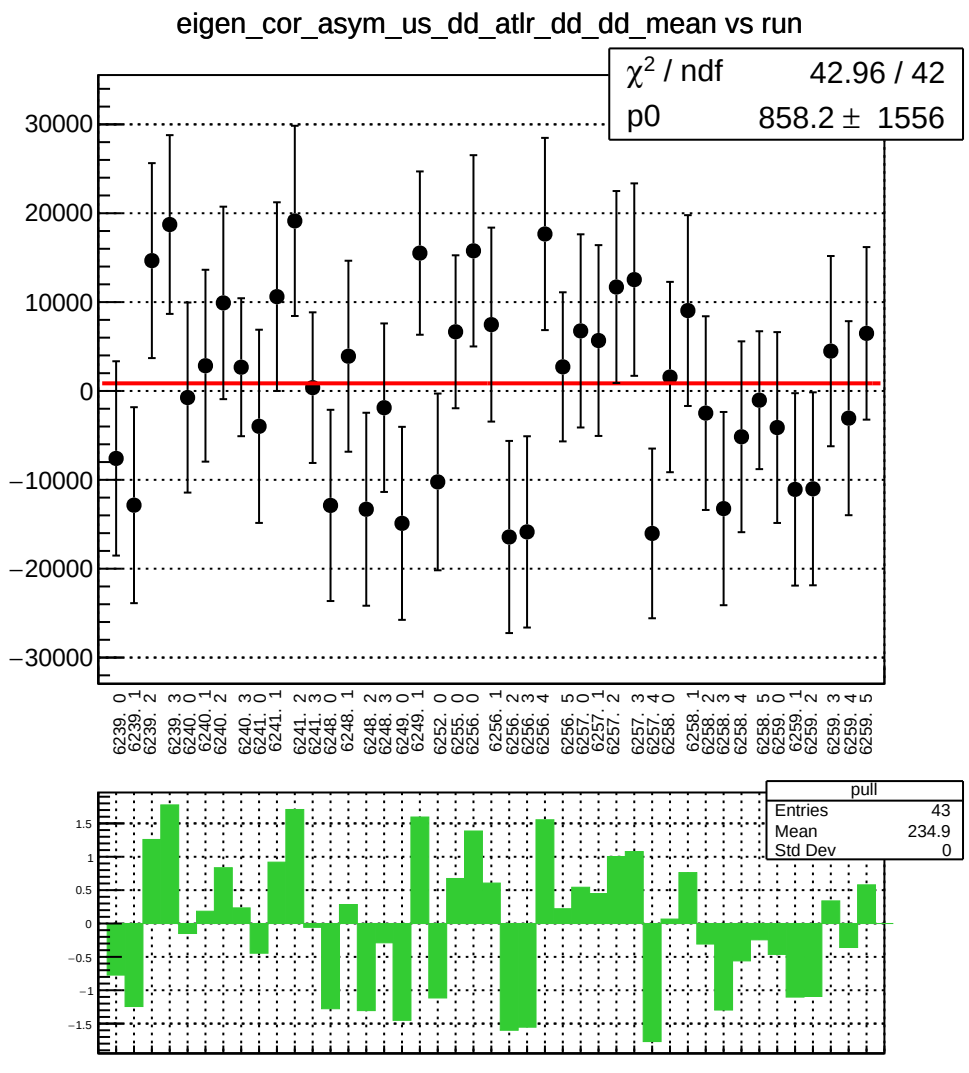

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 42.96 / 42
p0 858.2 ± 1556
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 234.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.009191
Std Dev 0.9995
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

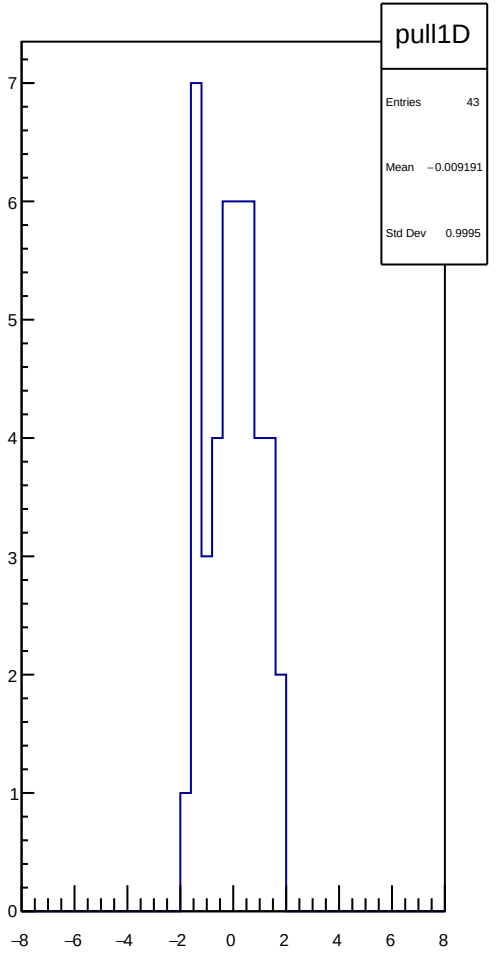

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 44.15 / 42
p0 1026 ± 1.1
1050
1040
1030
1020
1010
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

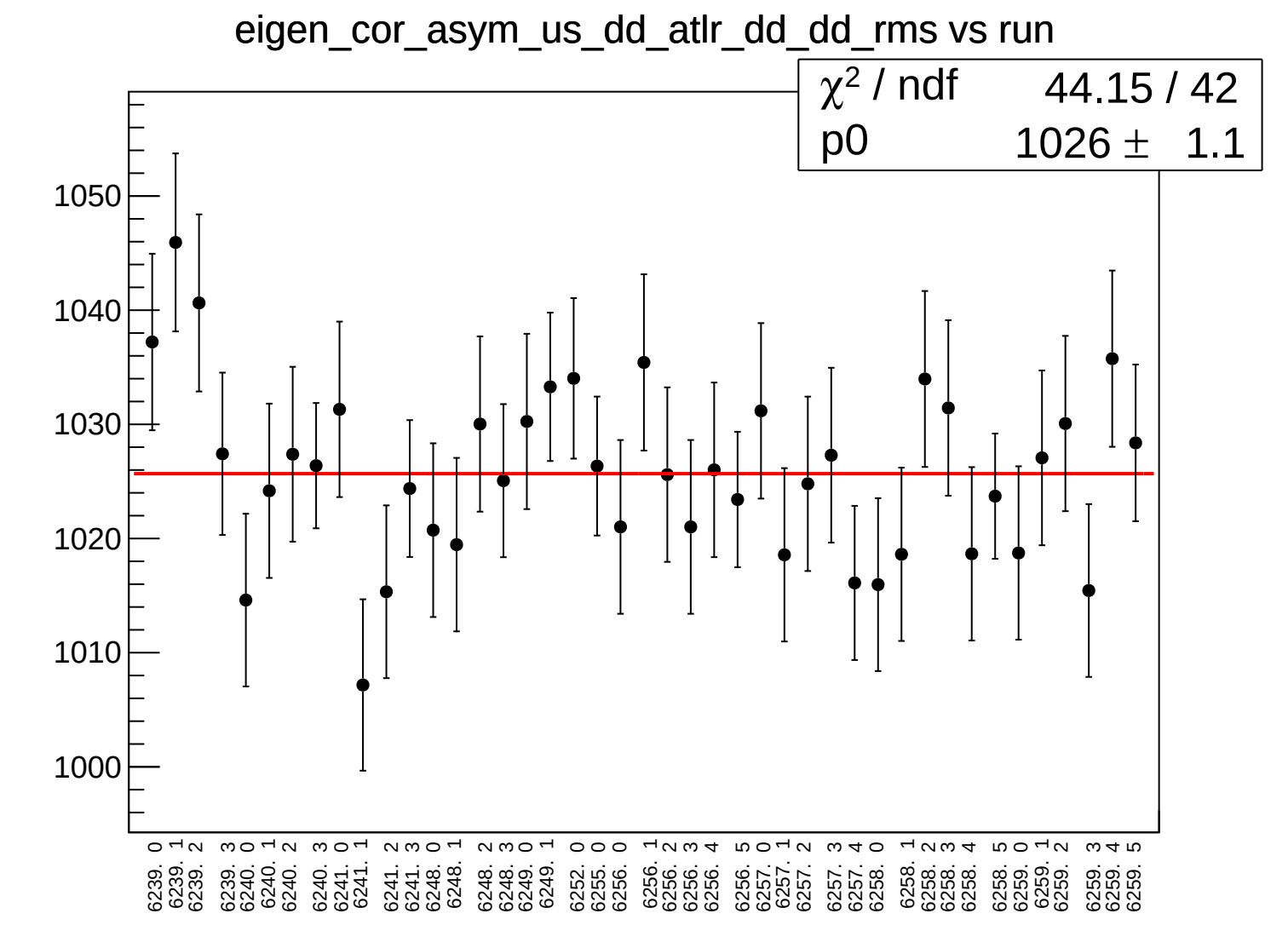

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 54.04 / 42
p0 −901.6 ± 589.1
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 97.38
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03605
Std Dev 1.12
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

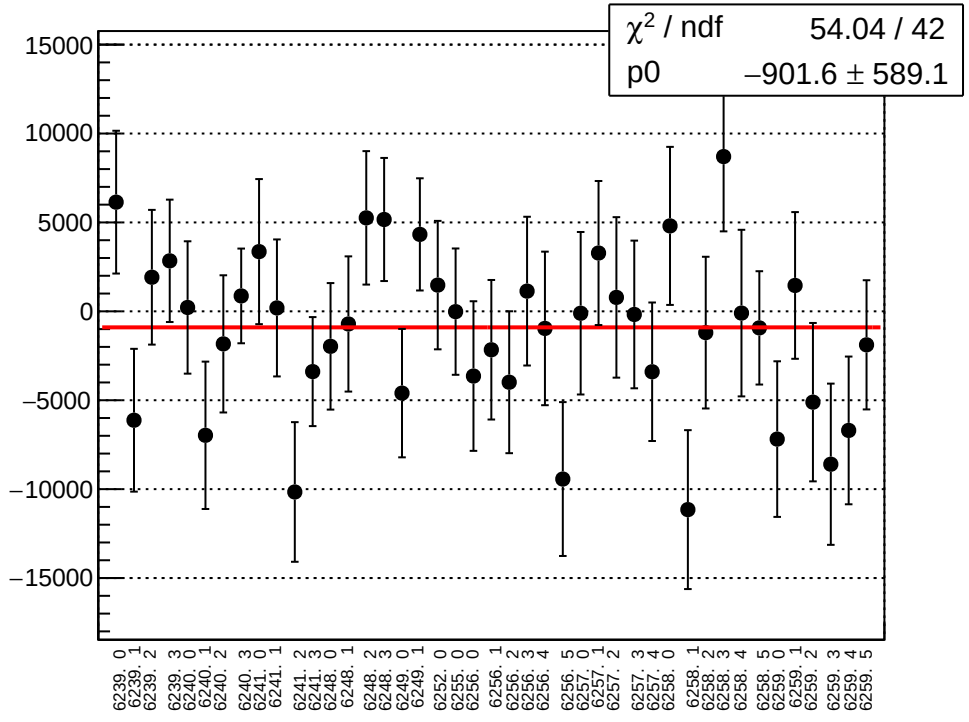

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 6384 / 42
p0 387 ± 0.4166
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

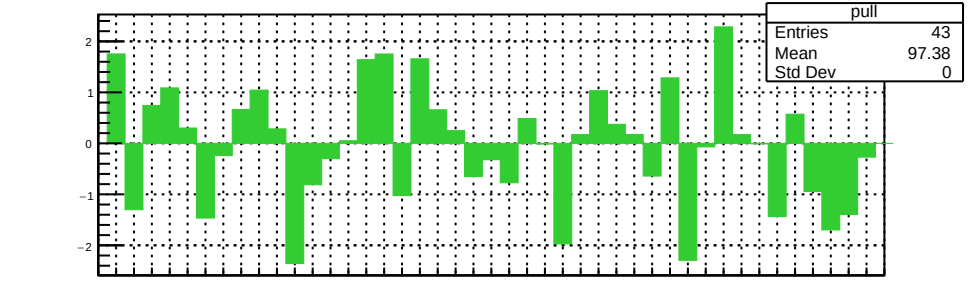

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 42.96 / 42
p0 858.2 ± 1556
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 234.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

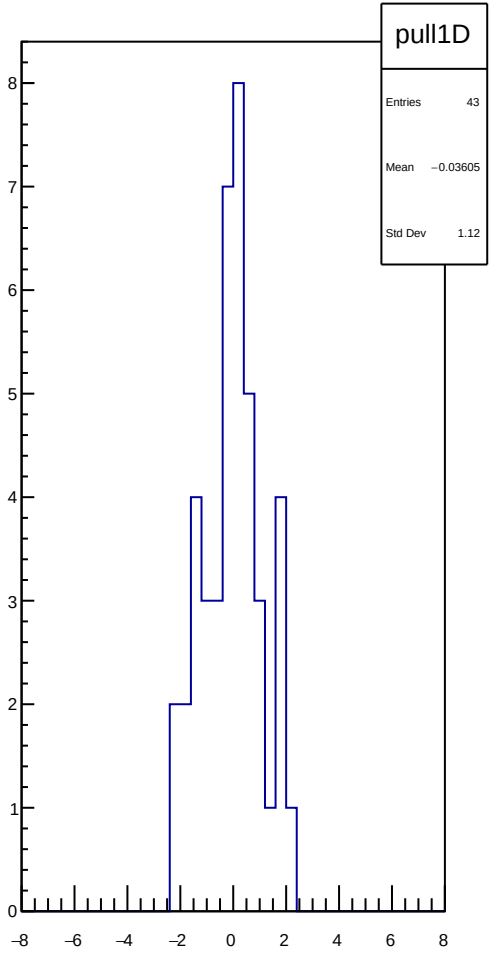

pull1D
Entries 43
Mean −0.009191
Std Dev 0.9995
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

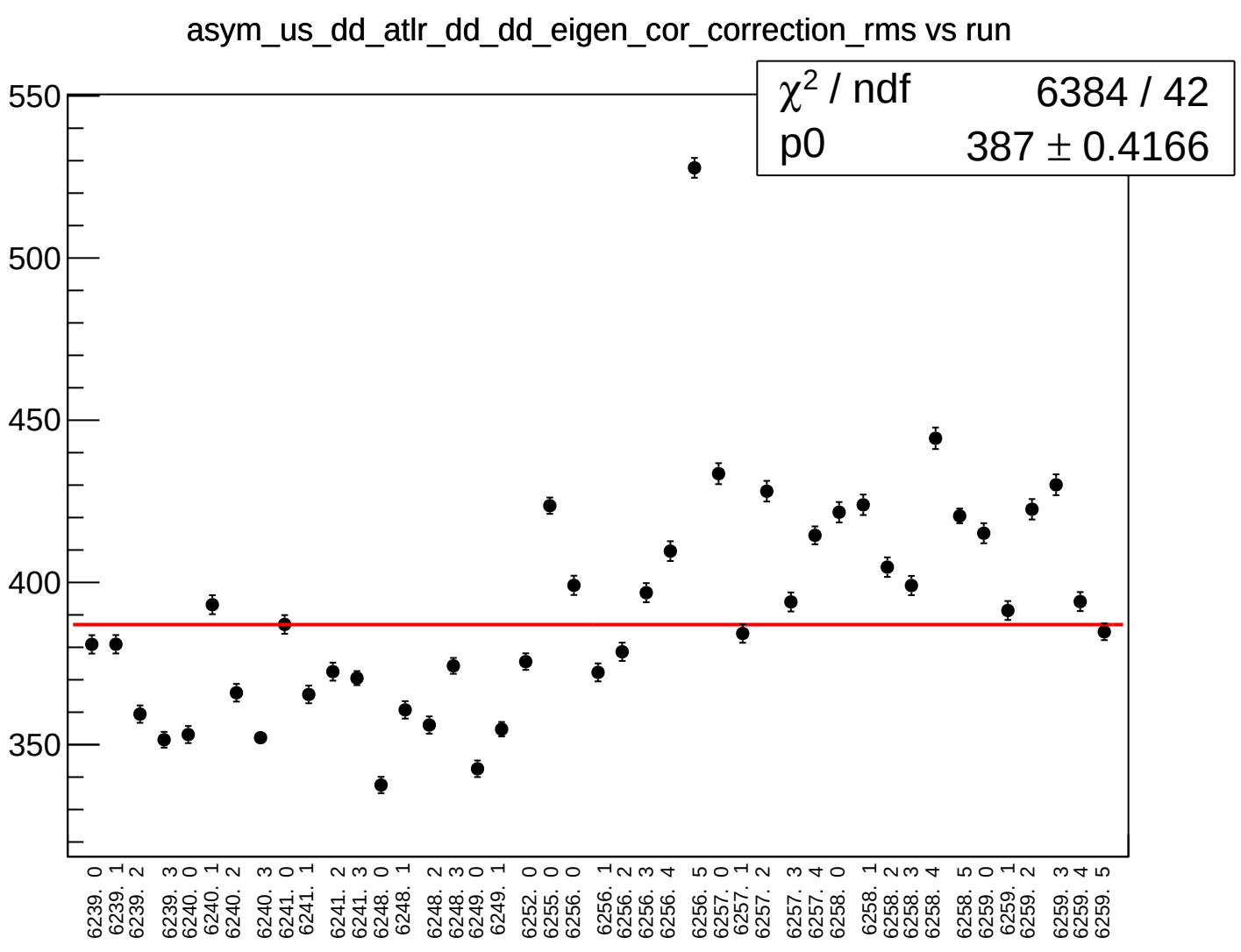

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 44.15 / 42
p0 1026 ± 1.1
1050
1040
1030
1020
1010
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

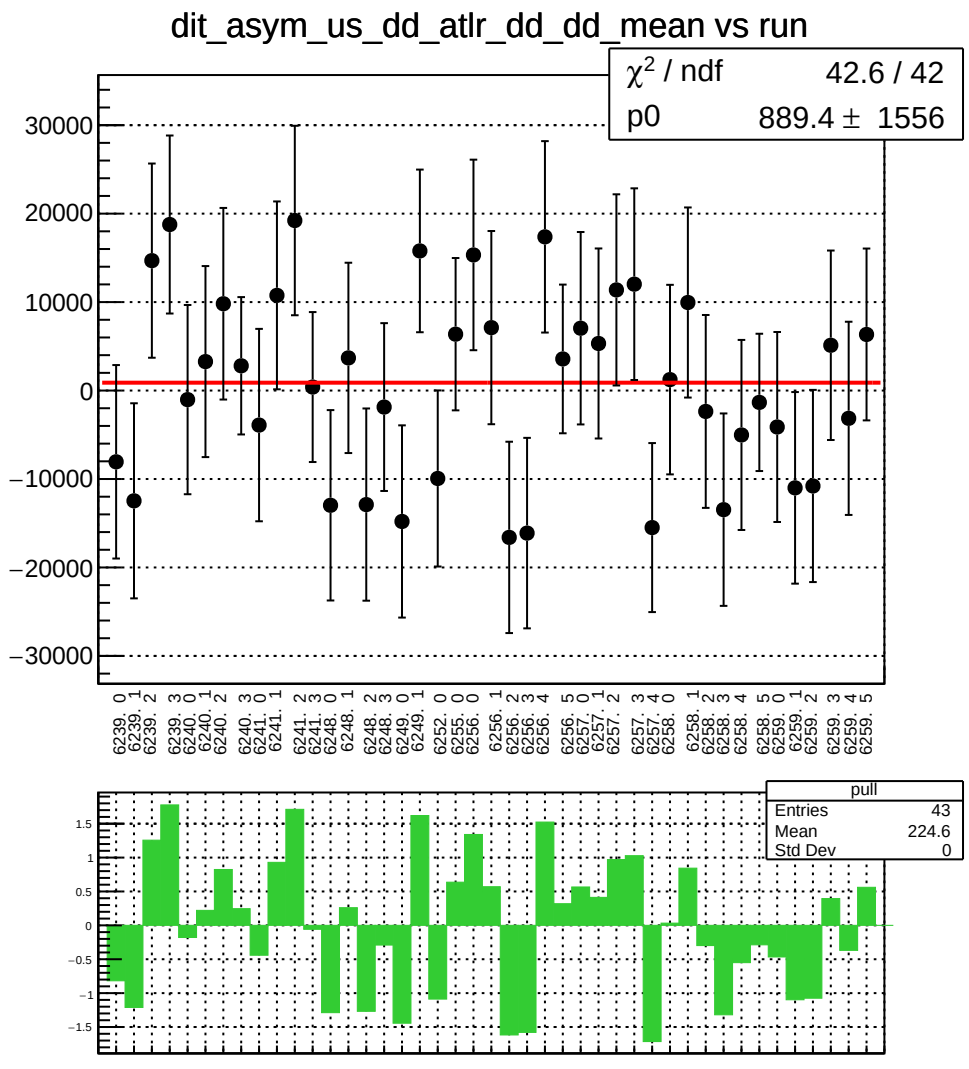
asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run

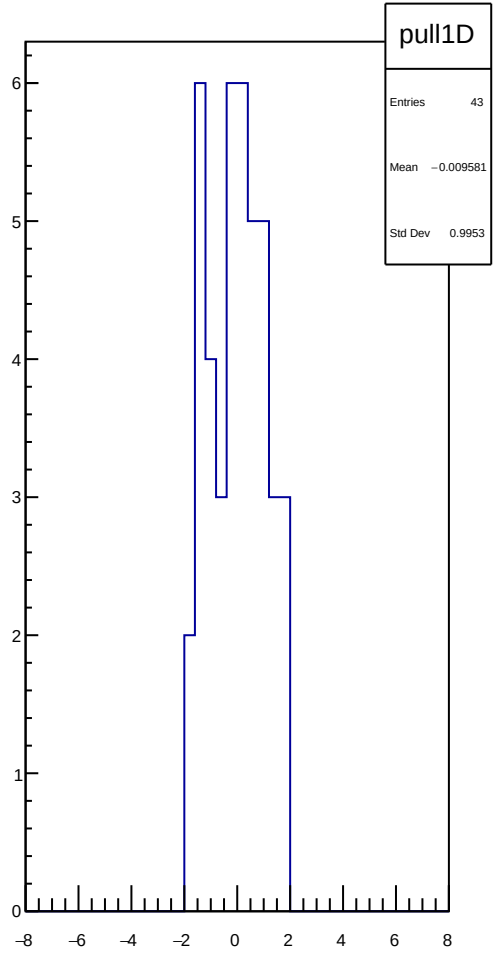


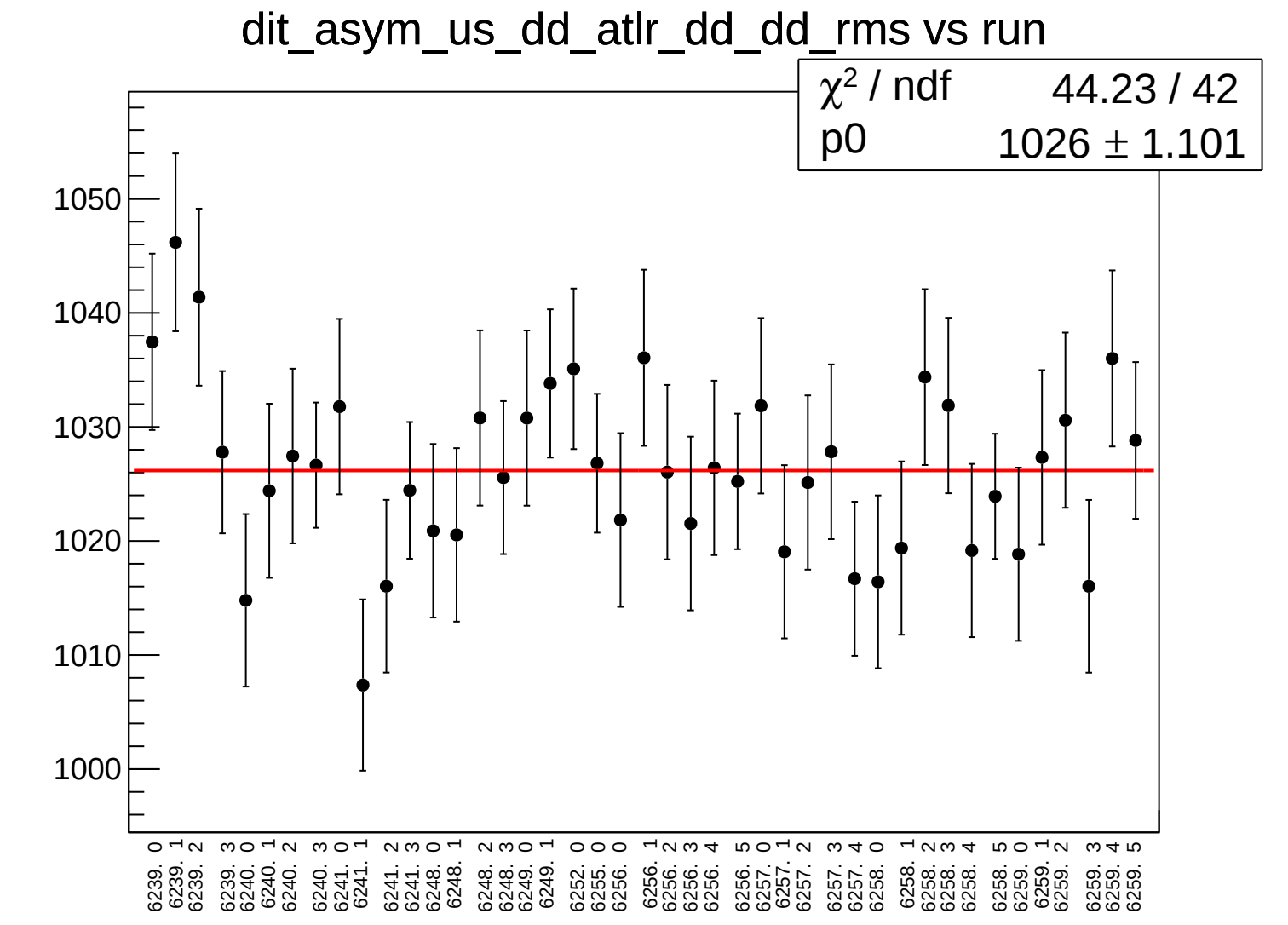



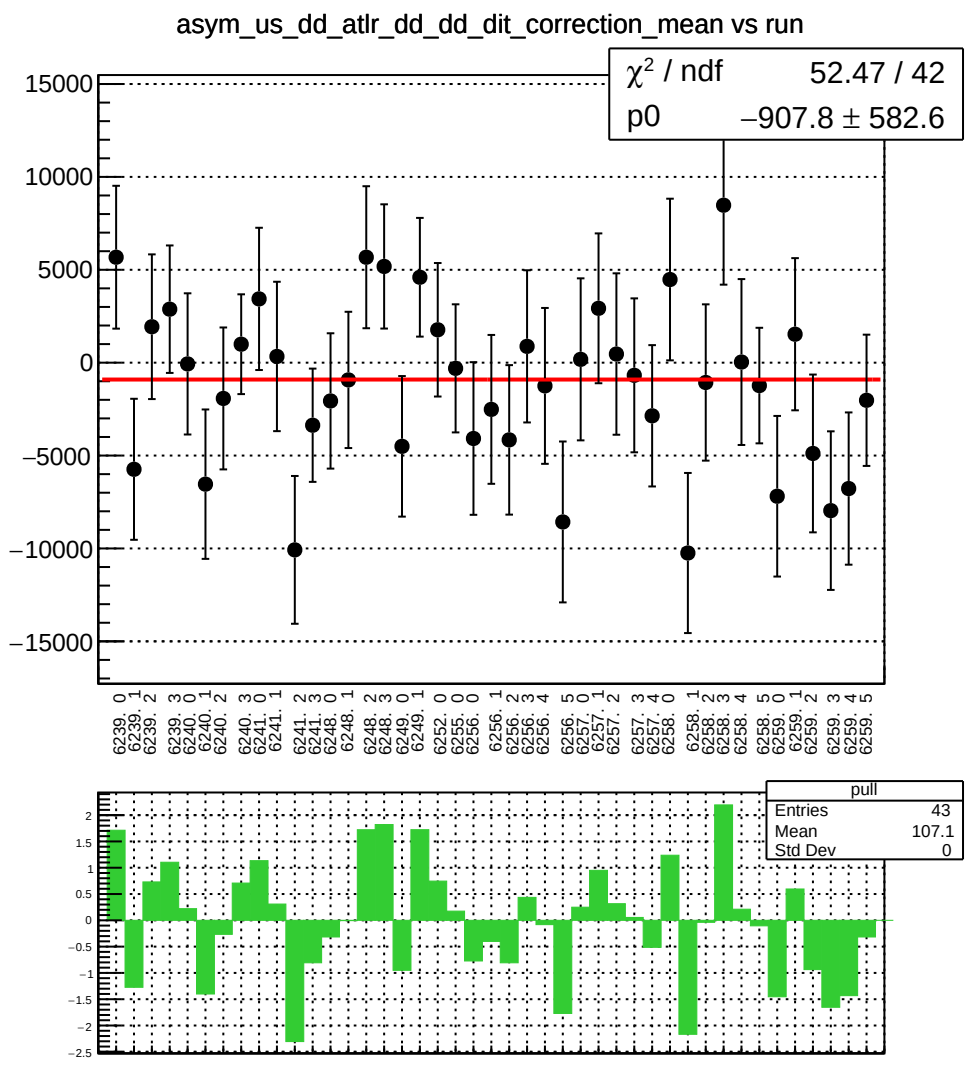



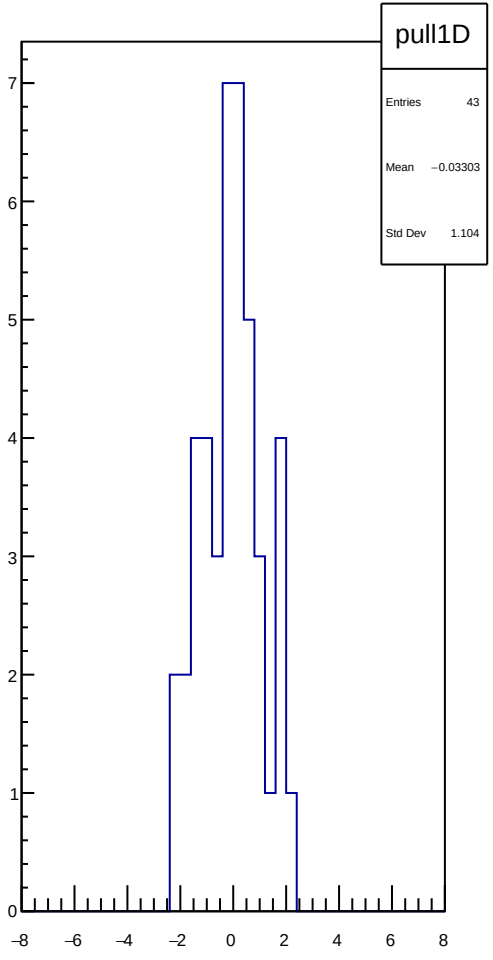

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 6384 / 42
p0 387 ± 0.4166
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

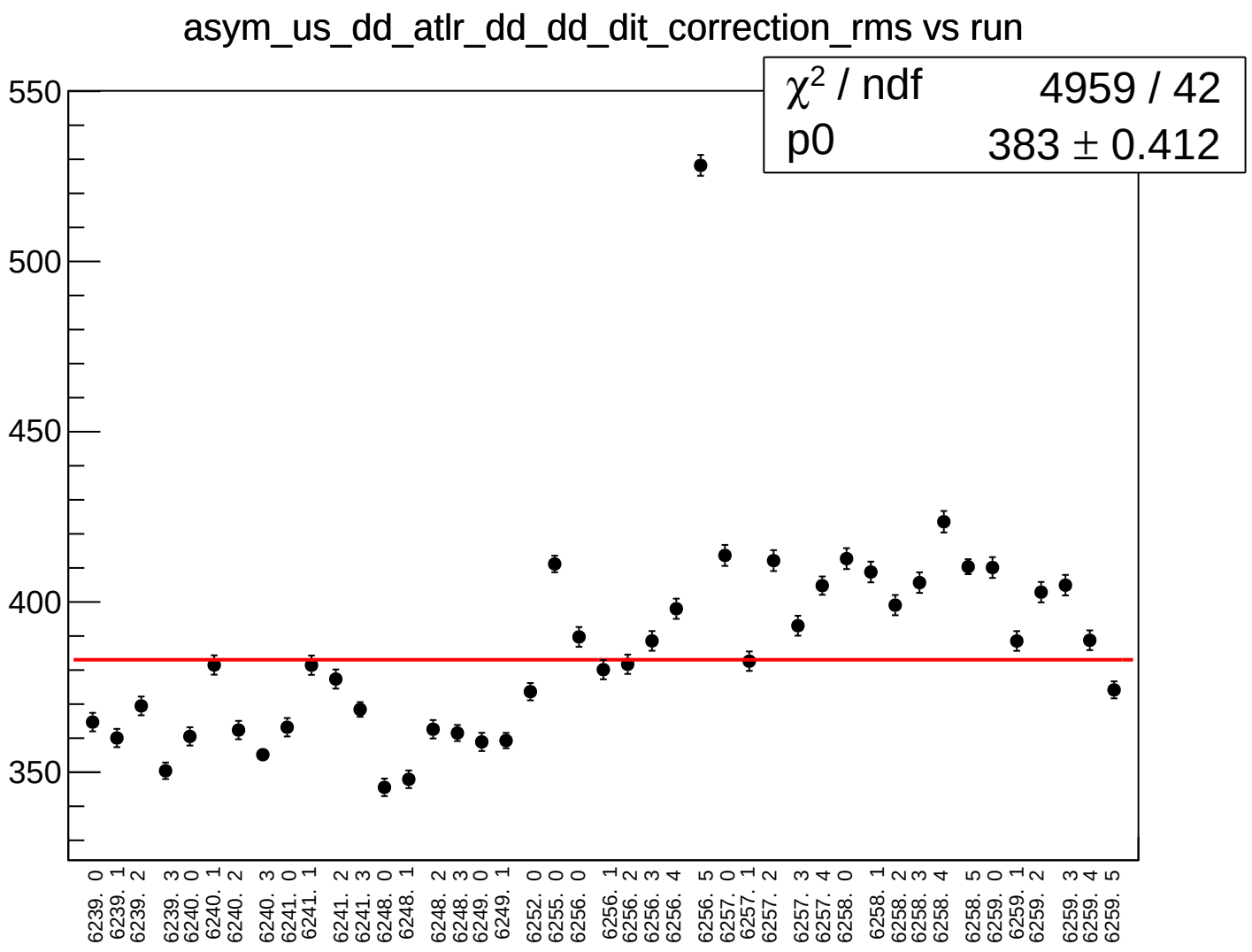

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 42.6 / 42
p0 889.4 ± 1556
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 224.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

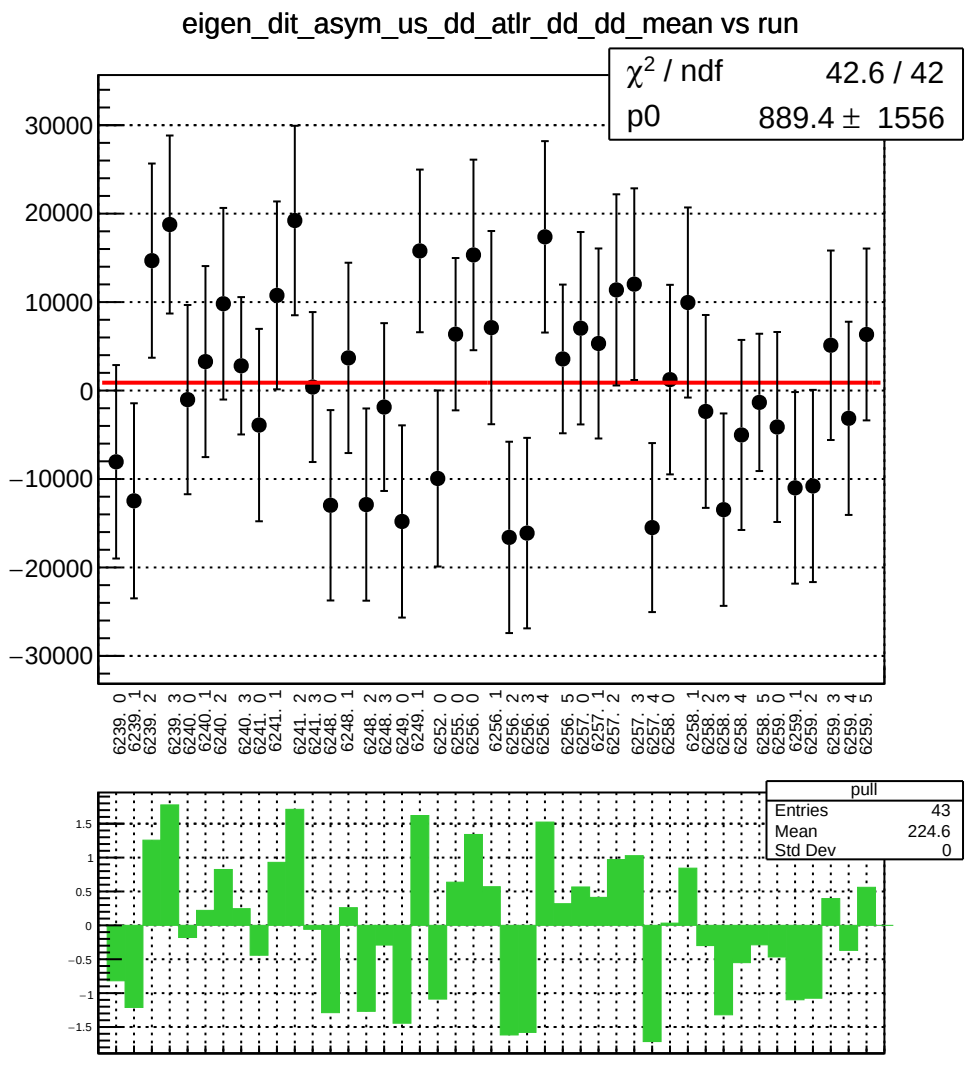

pull1D
Entries 43
Mean −0.009581
Std Dev 0.9953
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

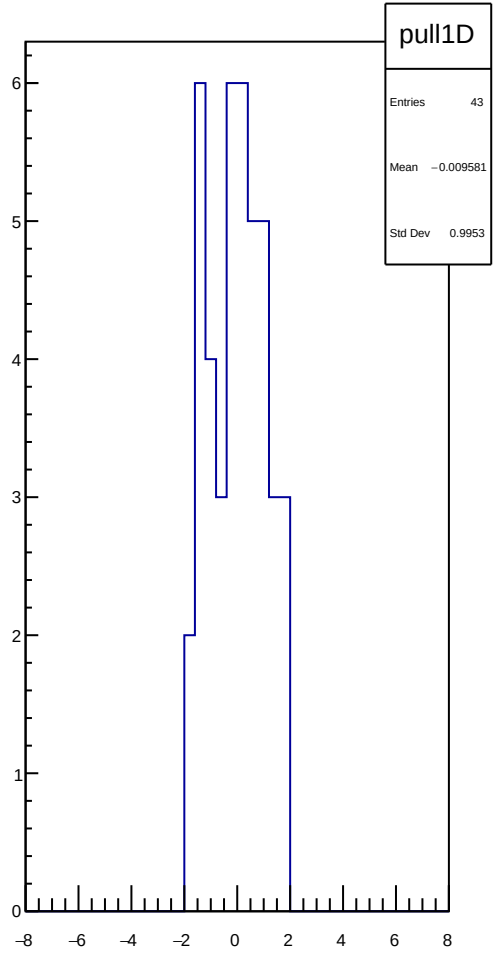

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 44.23 / 42
p0 1026 ± 1.101
1050
1040
1030
1020
1010
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

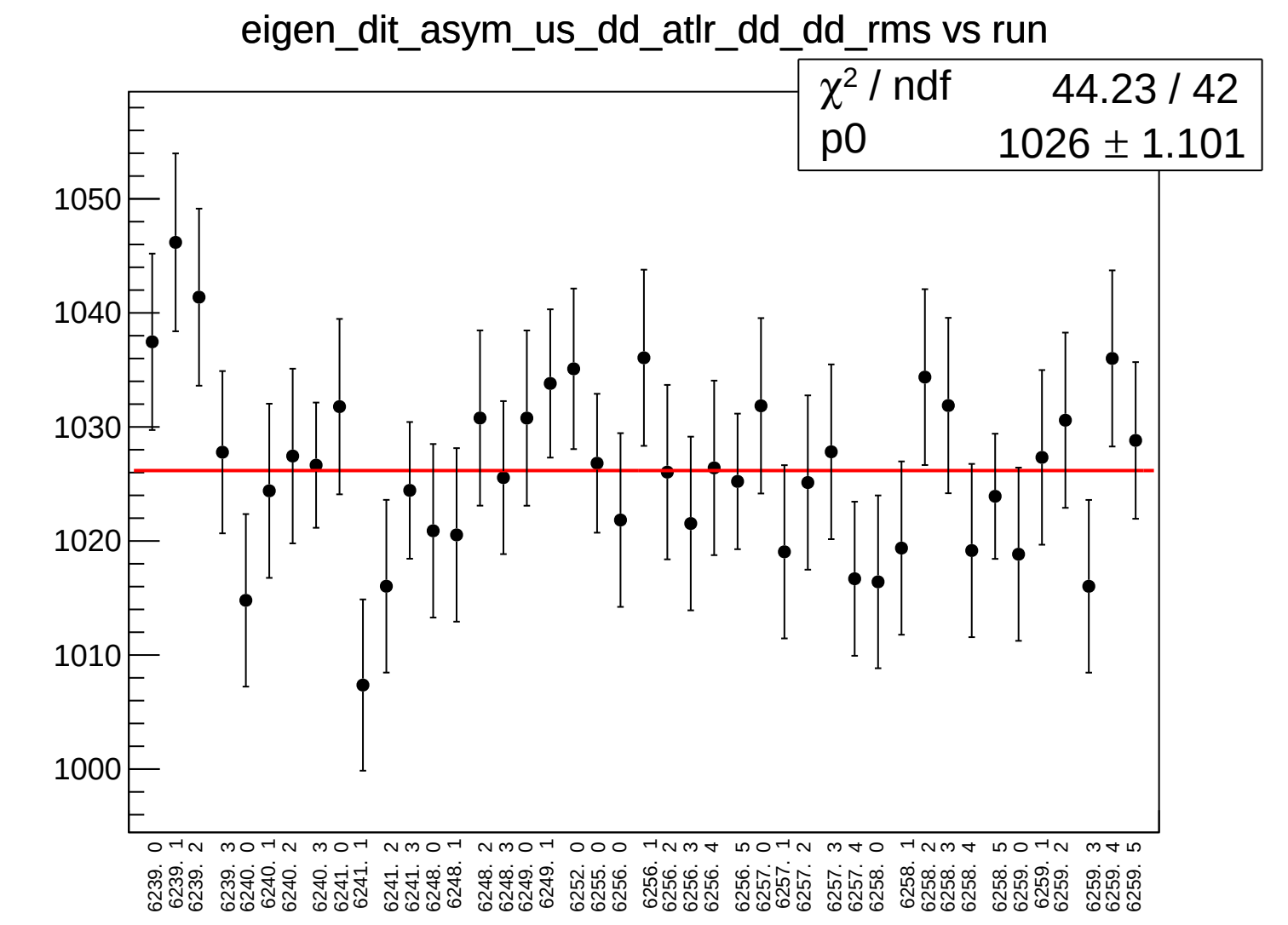

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 52.47 / 42
p0 −907.8 ± 582.6
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

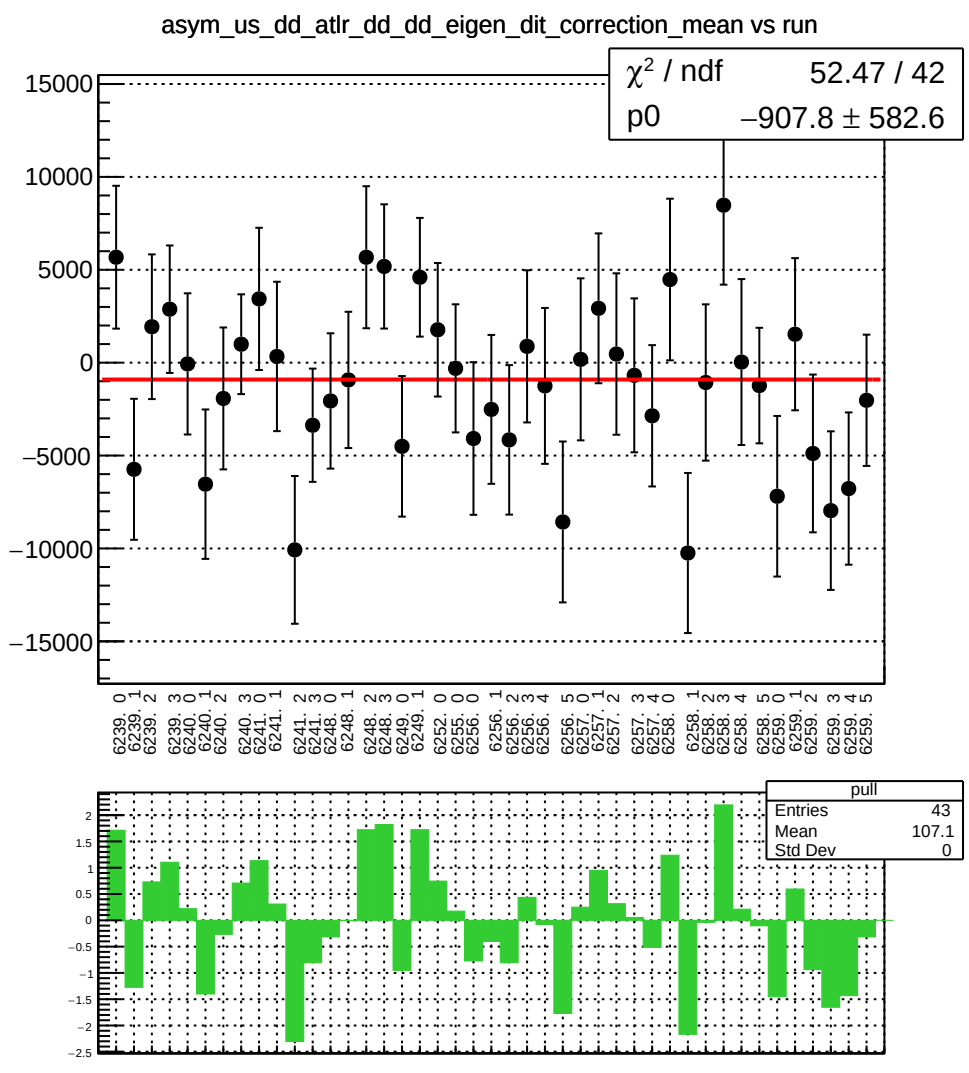

pull1D
Entries 43
Mean −0.03303
Std Dev 1.104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

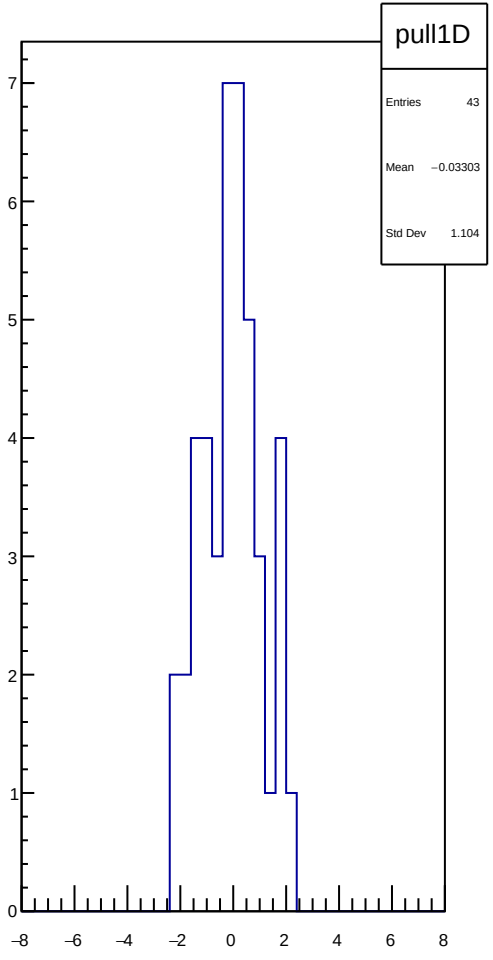

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 4959 / 42
p0 383 ± 0.412
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

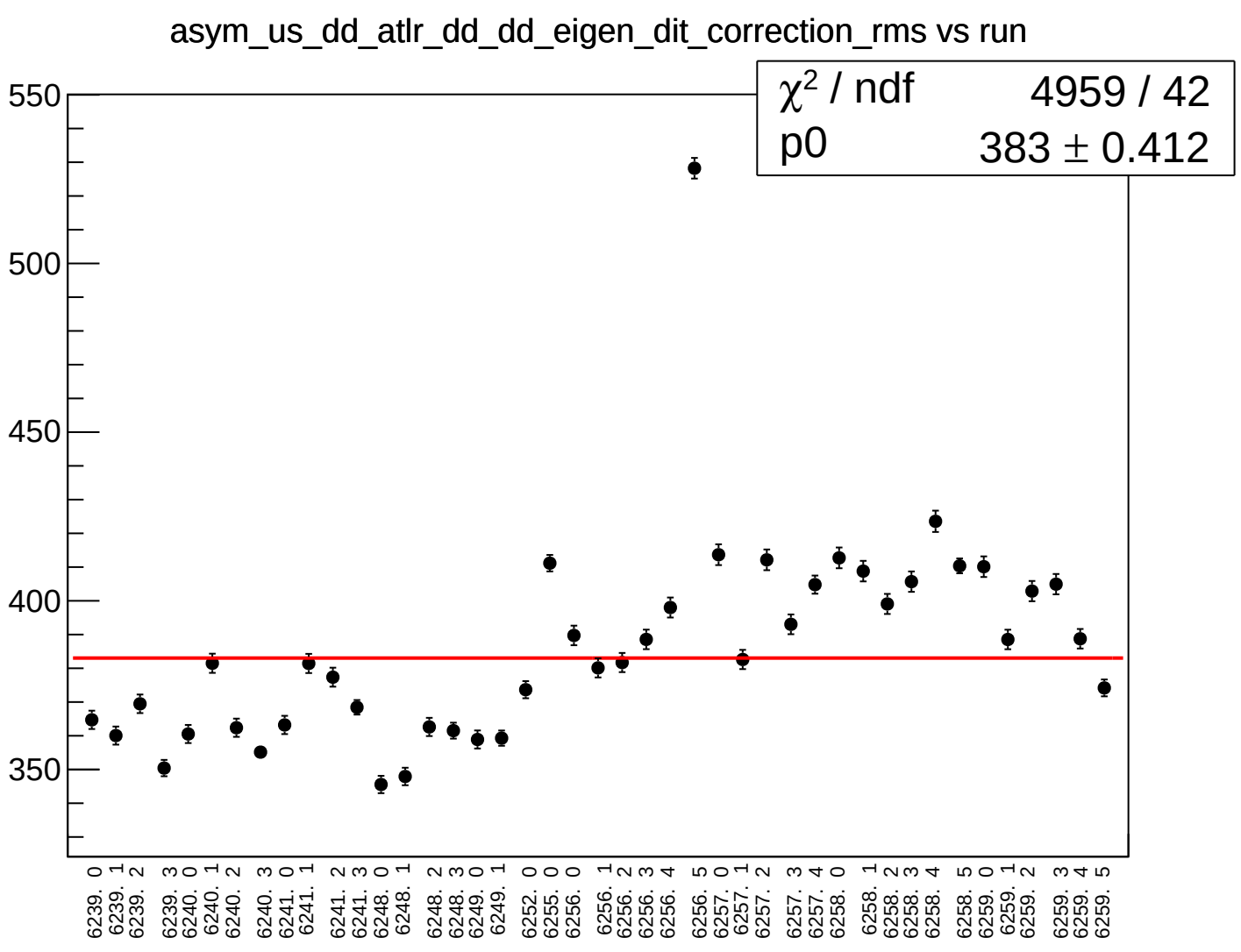

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 42.6 / 42
p0 889.4 ± 1556
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 224.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

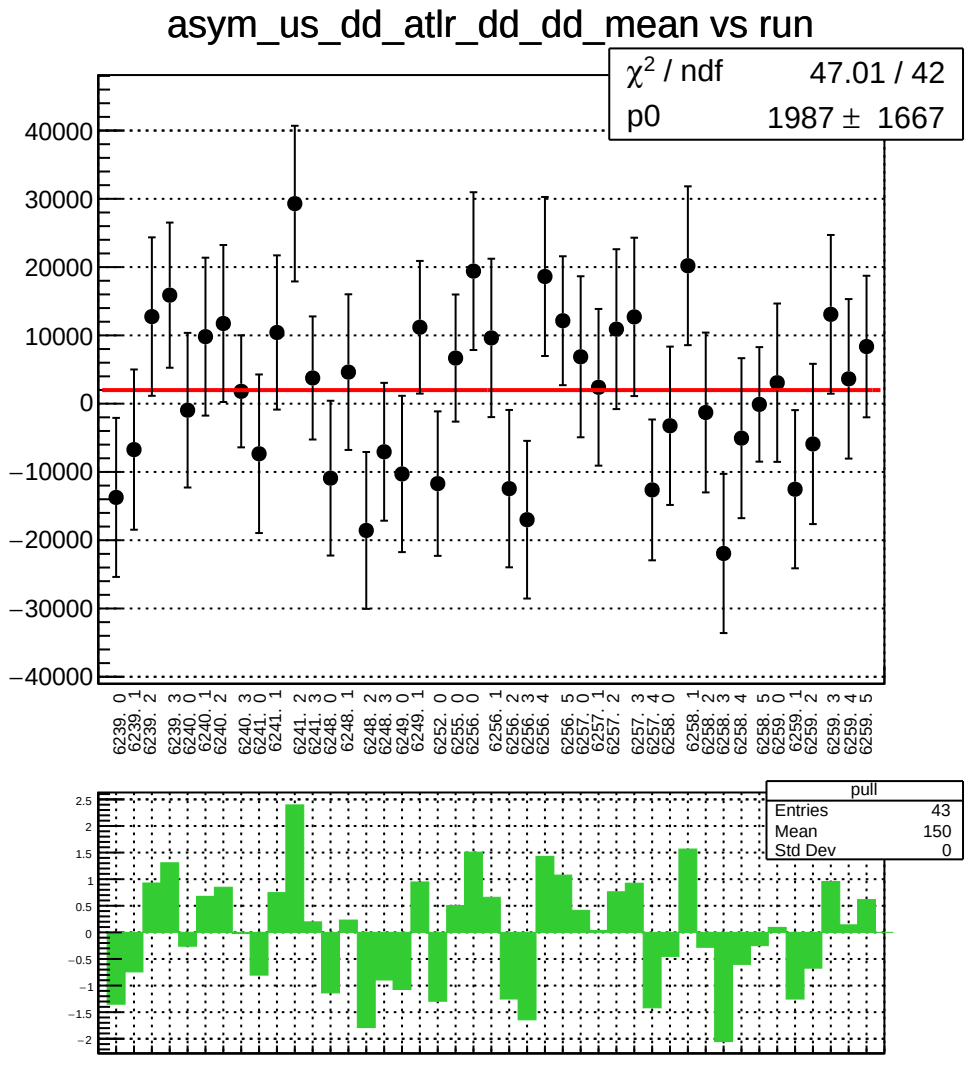

pull1D
Entries 43
Mean −0.009581
Std Dev 0.9953
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

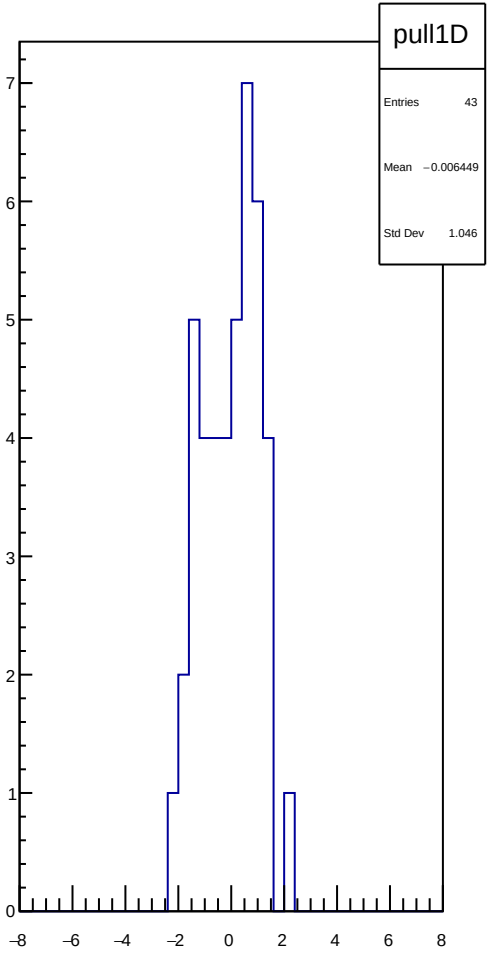

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 44.23 / 42
p0 1026 ± 1.101
1050
1040
1030
1020
1010
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

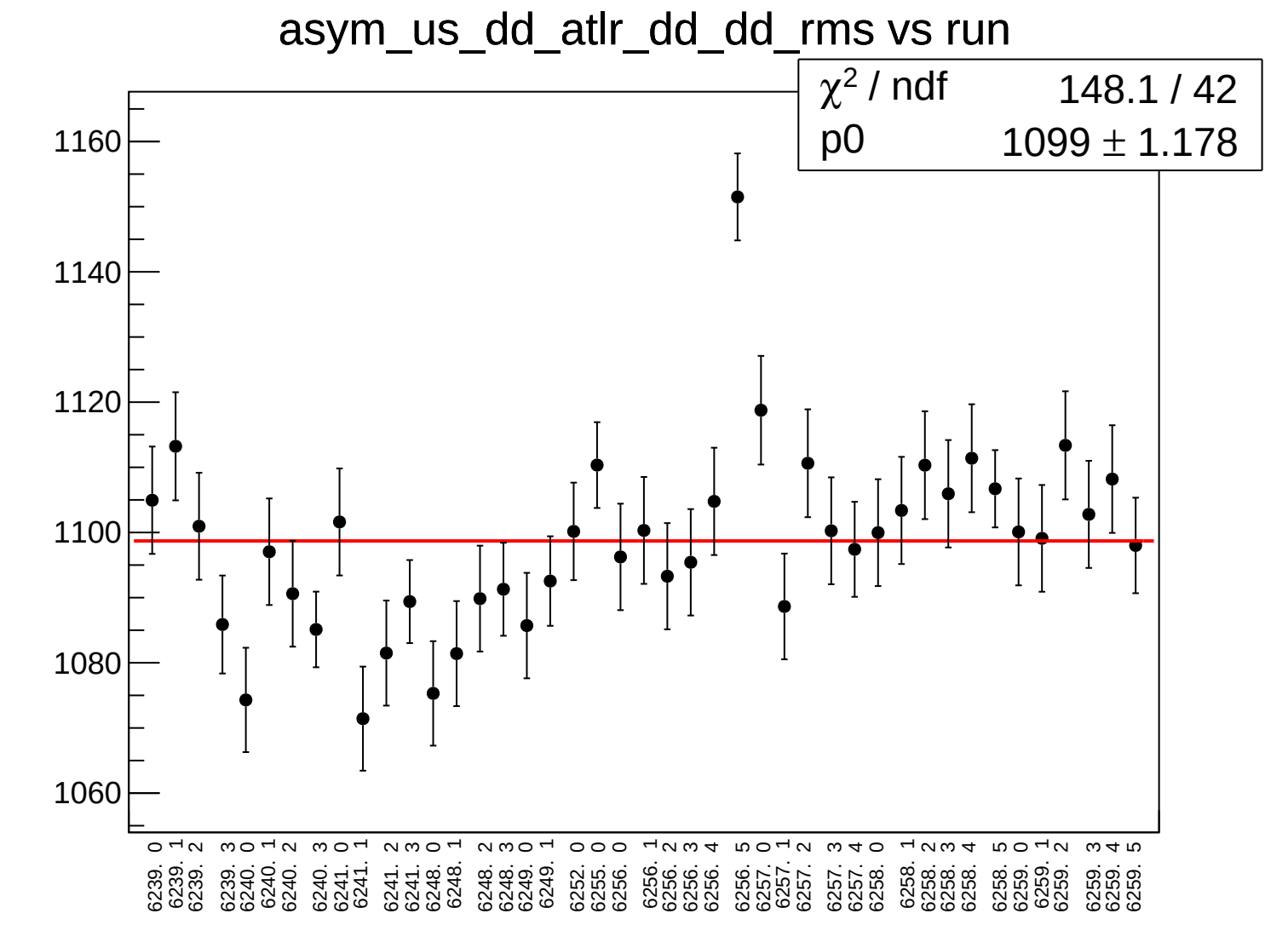

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 52.47 / 42
p0 −907.8 ± 582.6
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

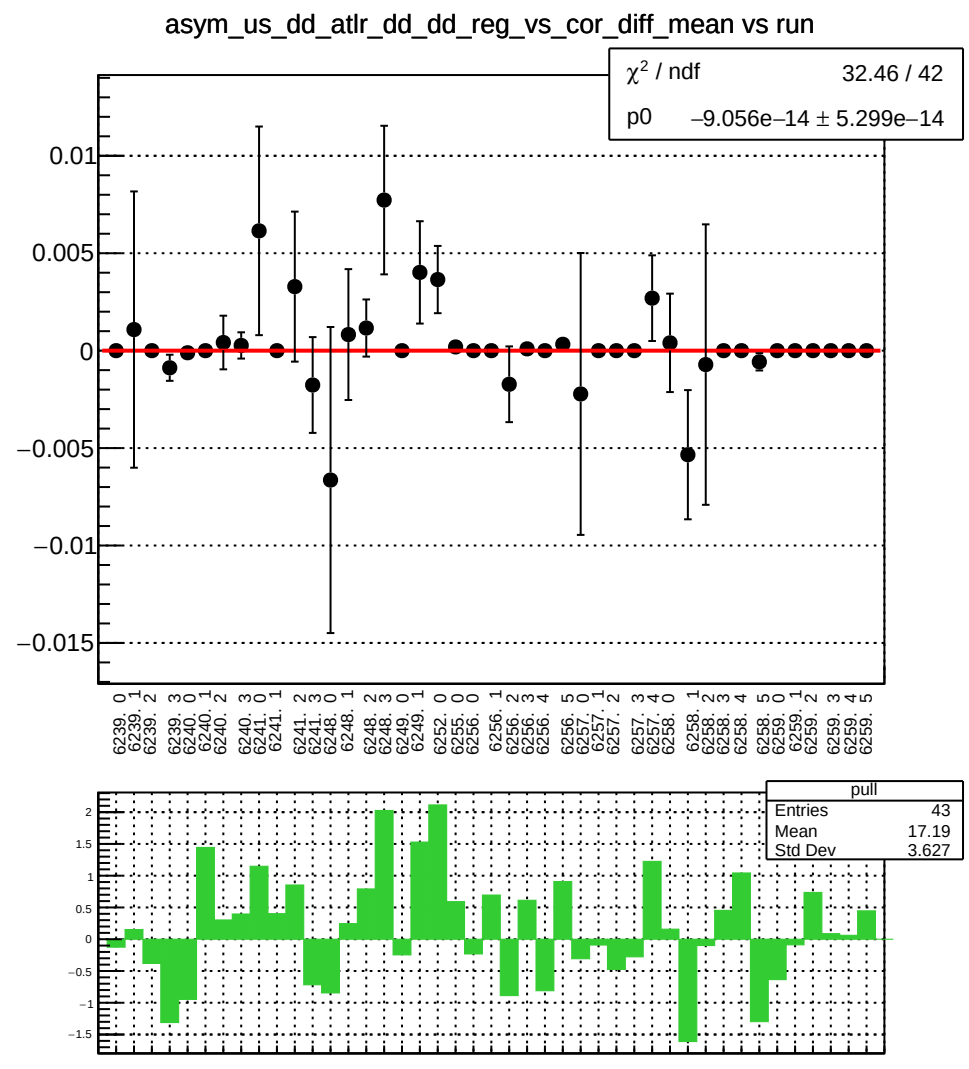

pull1D
Entries 43
Mean −0.03303
Std Dev 1.104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

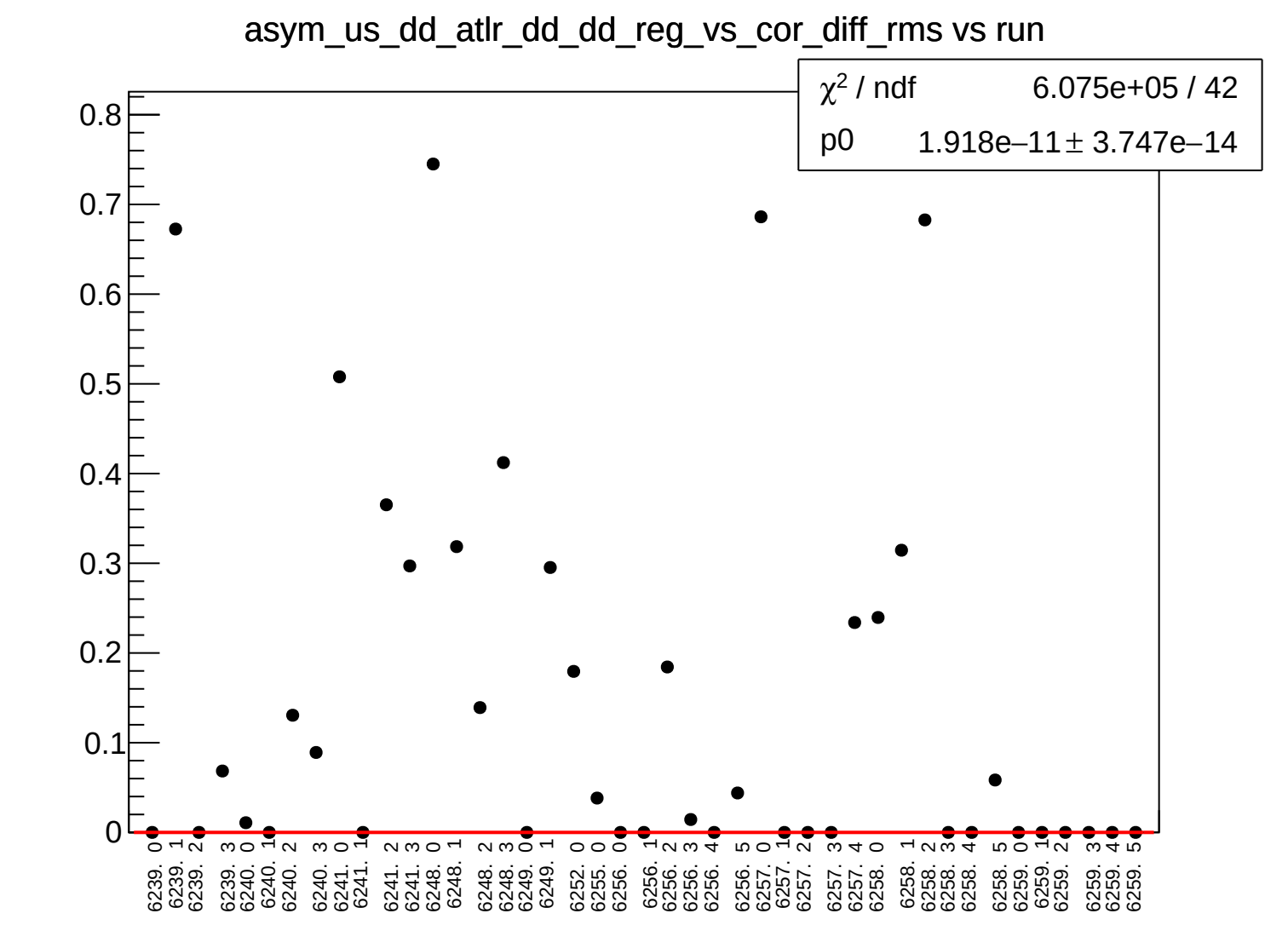

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4959 / 42
p0 383 ± 0.412
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

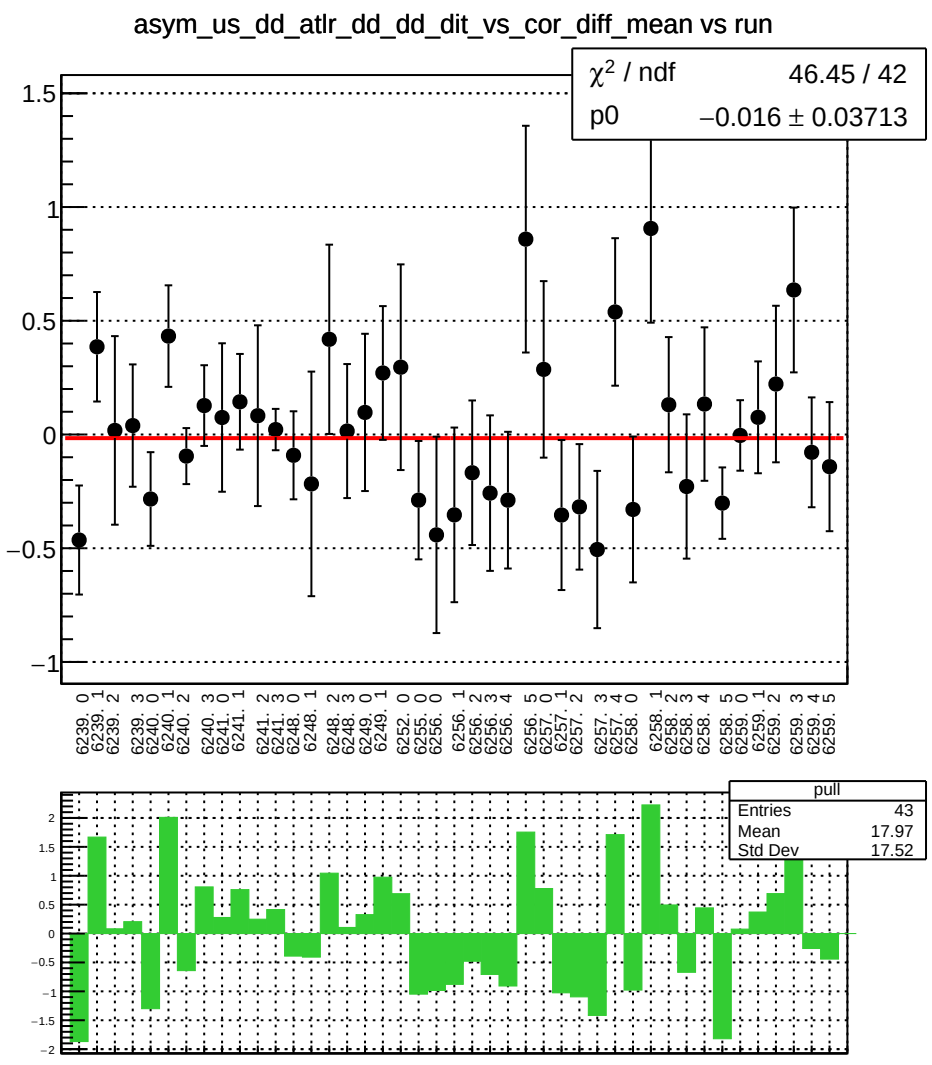

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 47.01 / 42
p0 1987 ± 1667
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 150
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

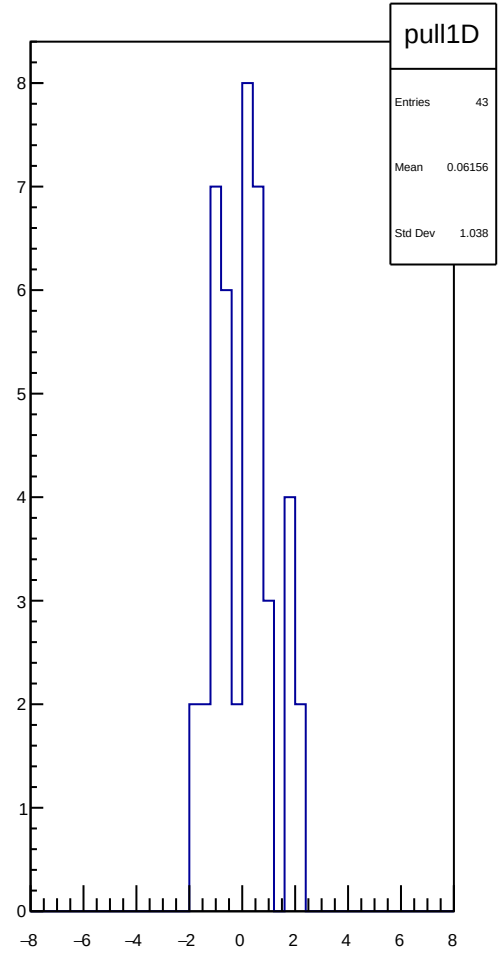

pull1D
Entries 43
Mean −0.006449
Std Dev 1.046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

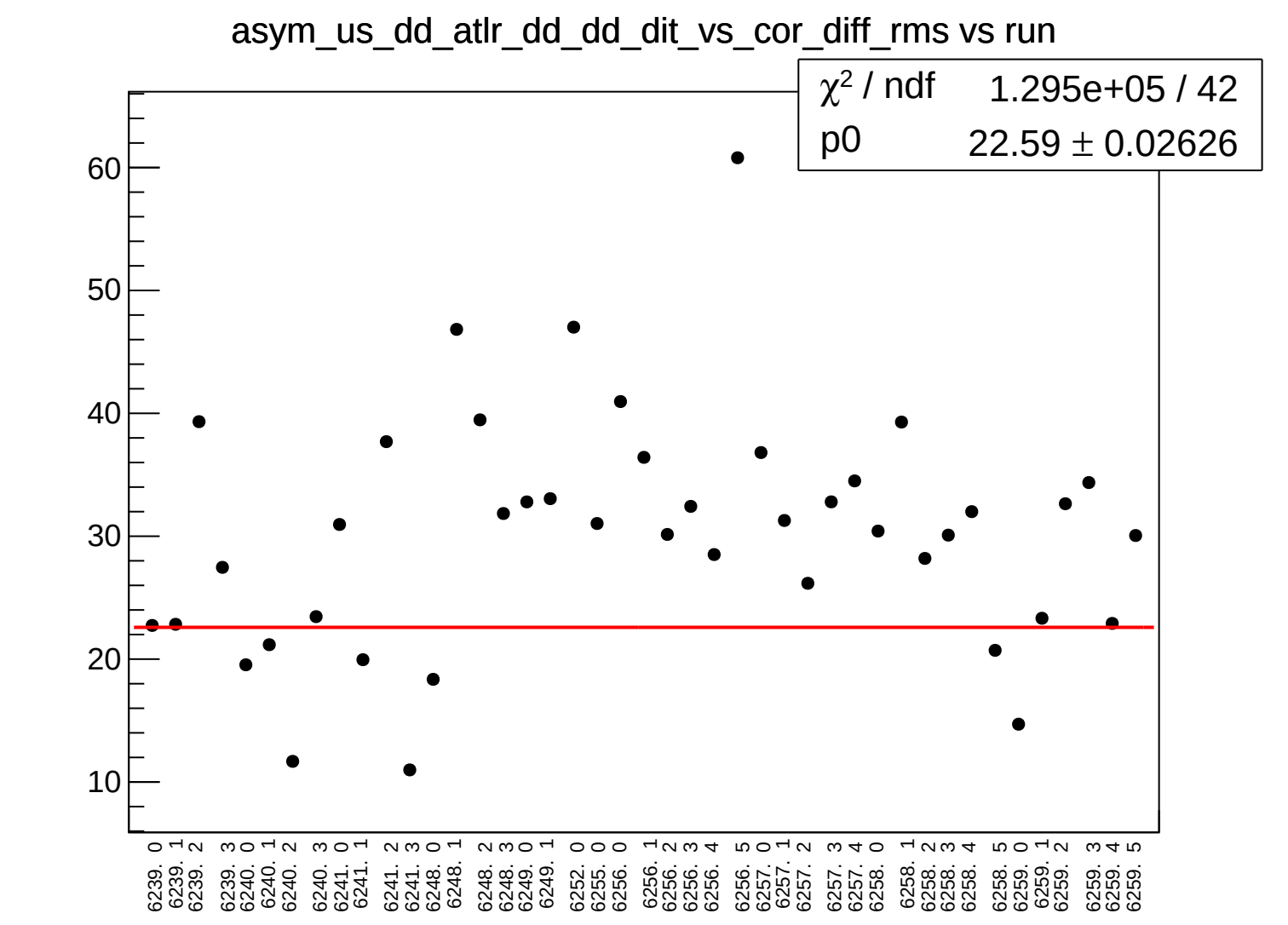

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 148.1 / 42
p0 1099 ± 1.178
1160
1140
1120
1100
1080
1060
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

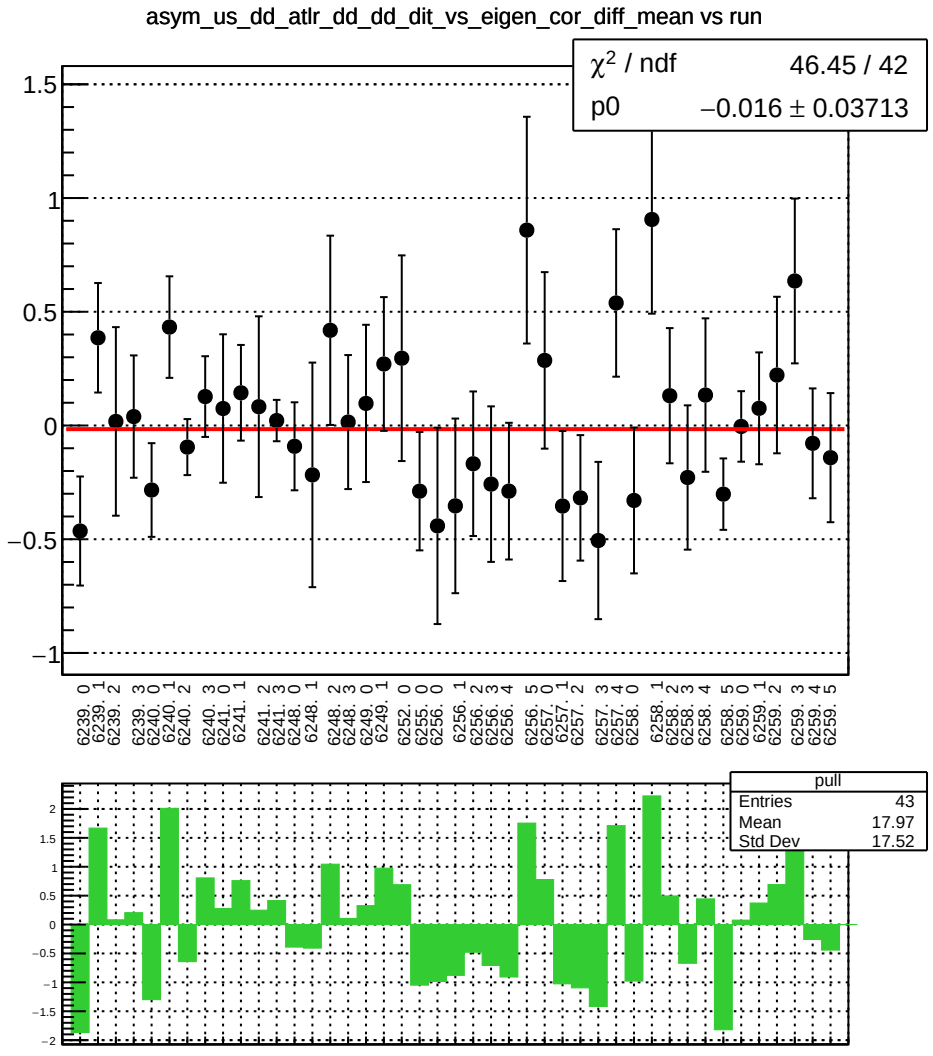

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.46 / 42
p0 −9.056e−14 ± 5.299e−14
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.19
Std Dev 3.627
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1639
Std Dev 0.8532
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

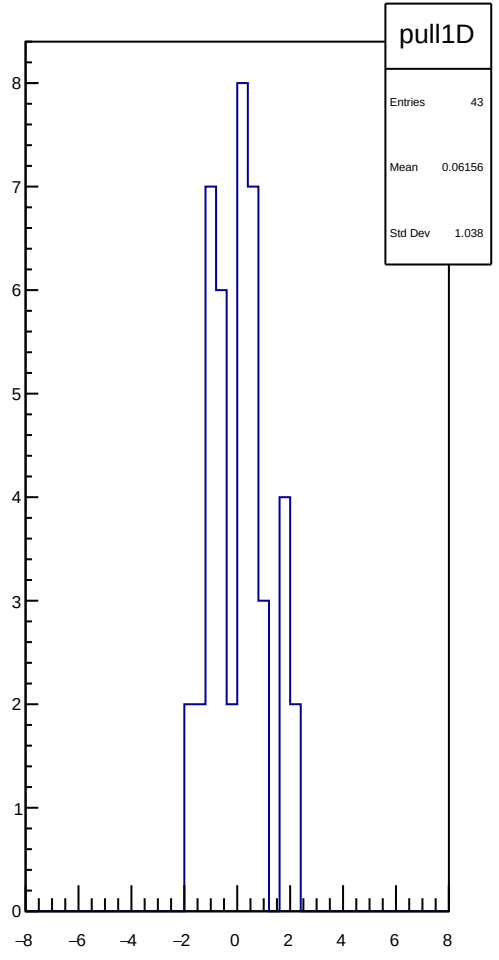

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.075e+05 / 42
p0 1.918e−11 ± 3.747e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

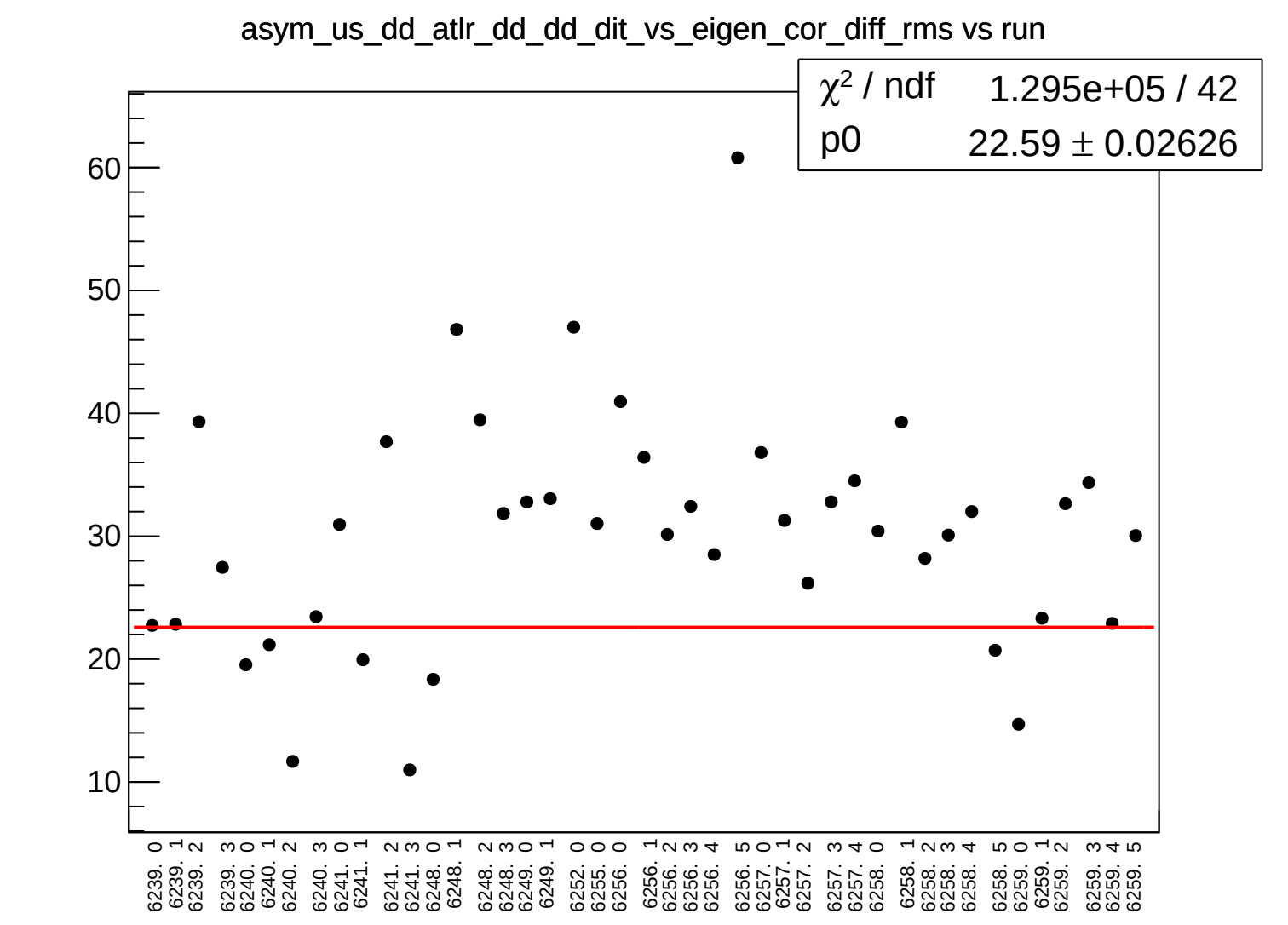

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.45 / 42
p0 −0.016 ± 0.03713
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.97
Std Dev 17.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

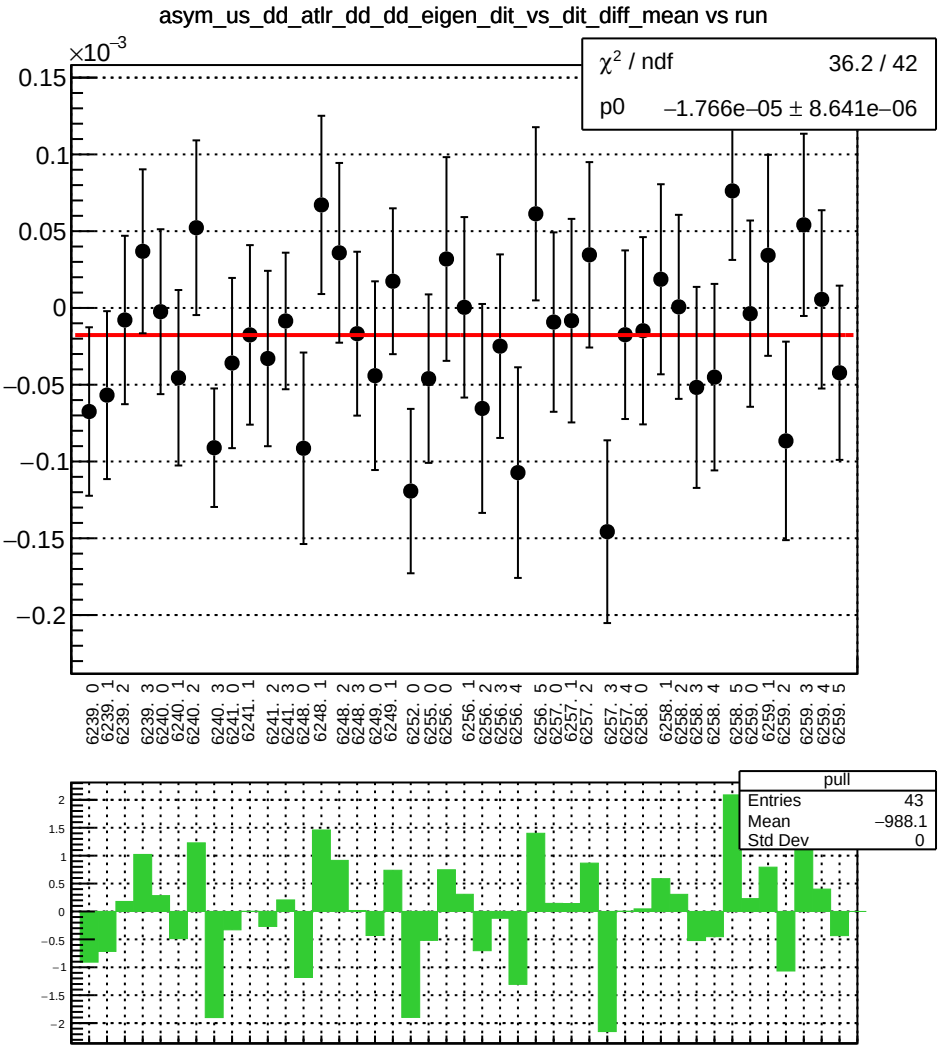

pull1D
Entries 43
Mean 0.06156
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

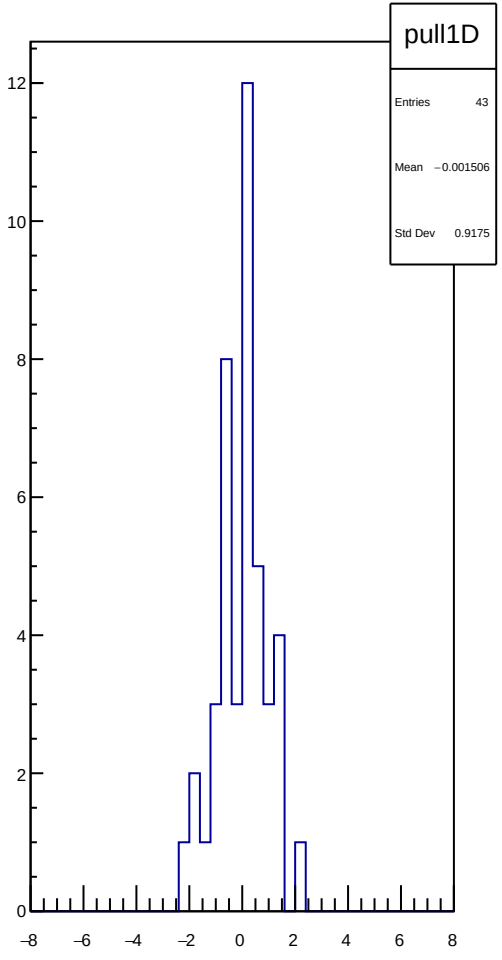

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.295e+05 / 42
p0 22.59 ± 0.02626
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

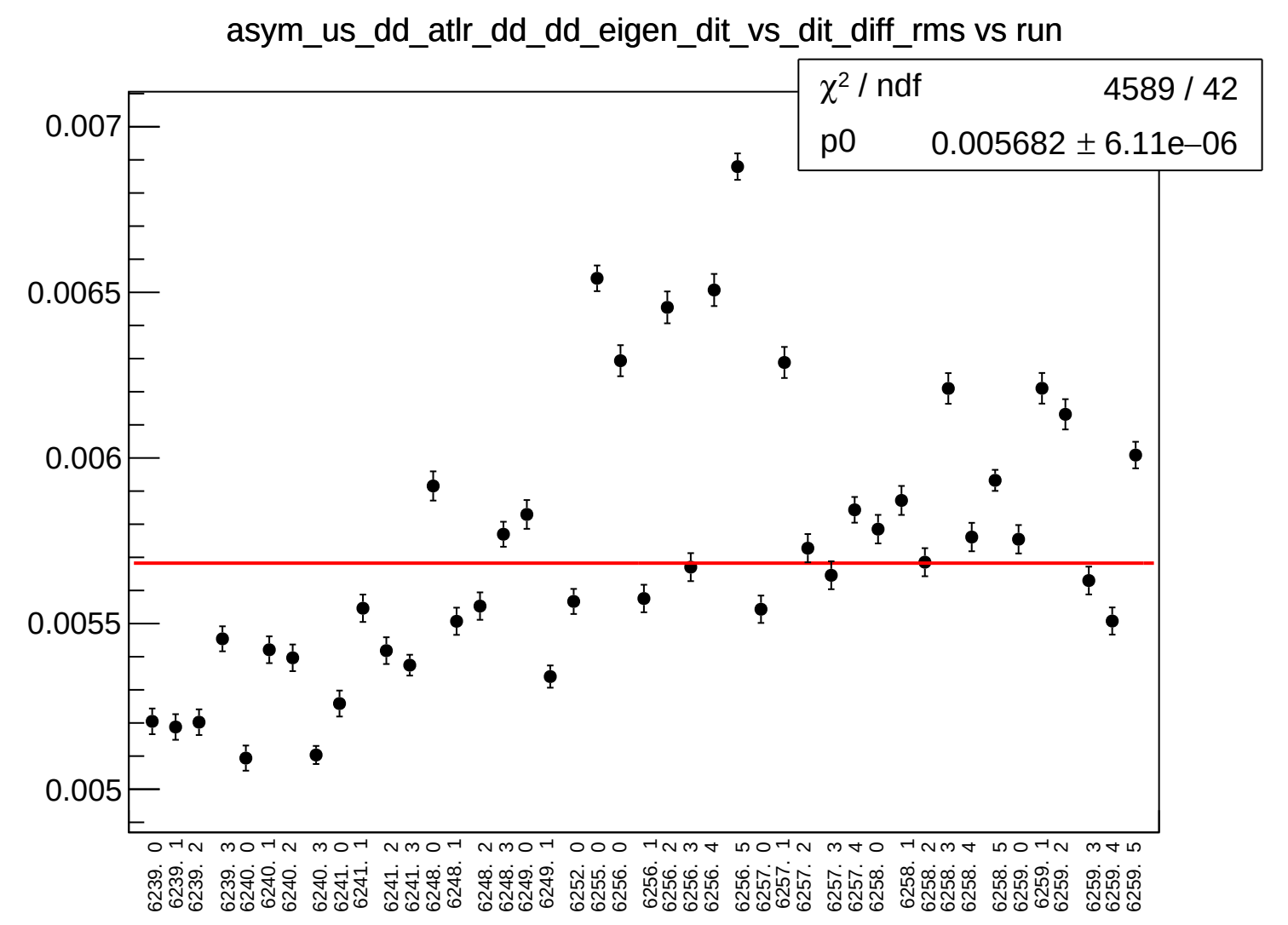

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.45 / 42
p0 −0.016 ± 0.03713
pull
Entries 43
Mean 17.97
Std Dev 17.52

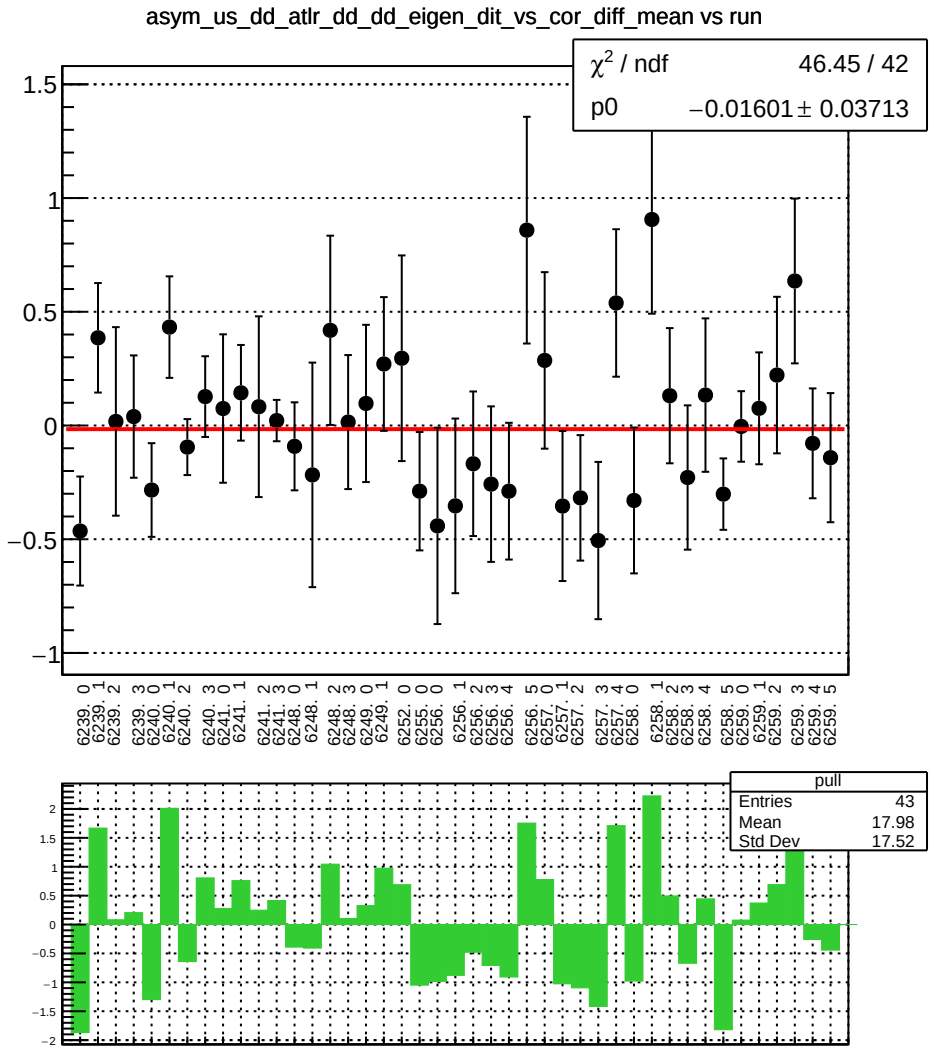

pull1D
Entries 43
Mean 0.06156
Std Dev 1.038

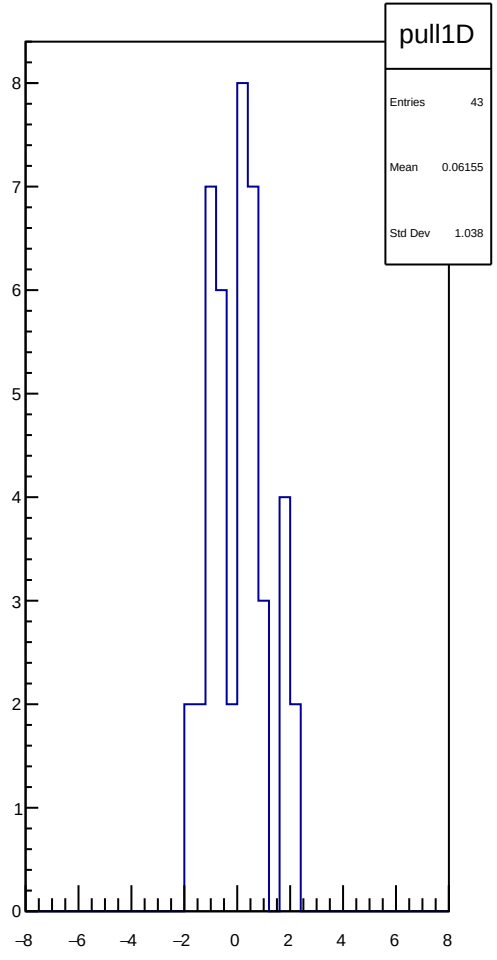

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.295e+05 / 42
p0 22.59 ± 0.02626
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

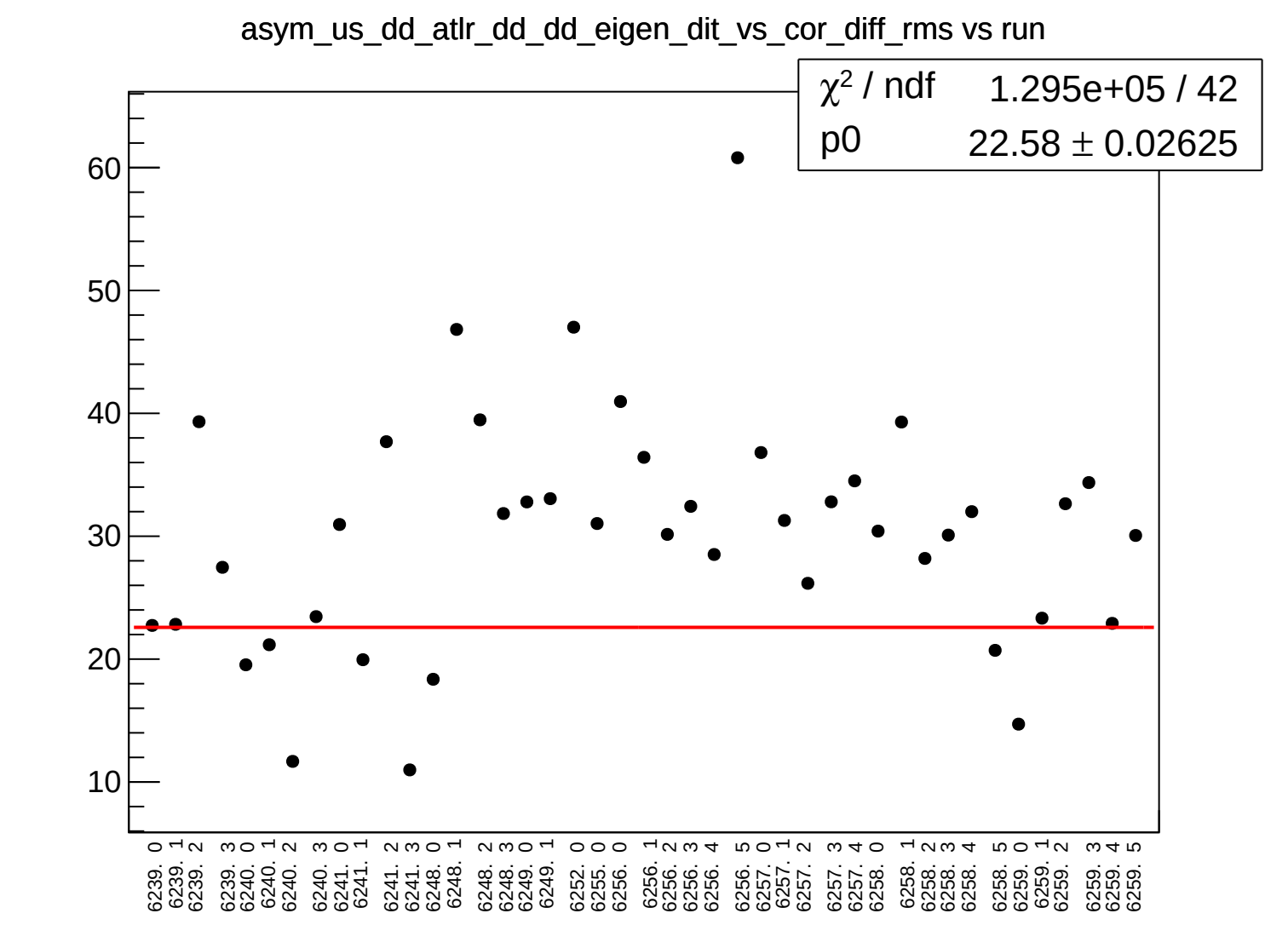

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 36.2 / 42
p0 −1.766e−05 ± 8.641e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −988.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

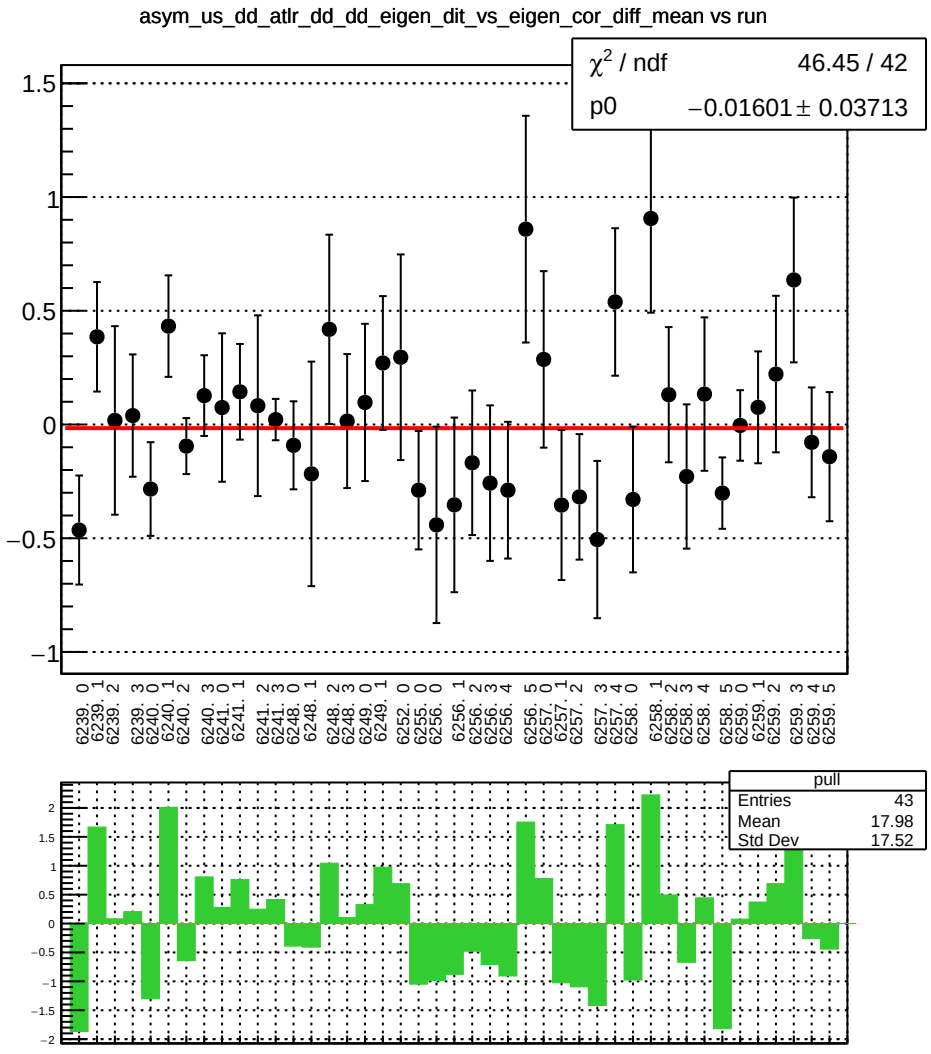

pull1D
Entries 43
Mean −0.001506
Std Dev 0.9175
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

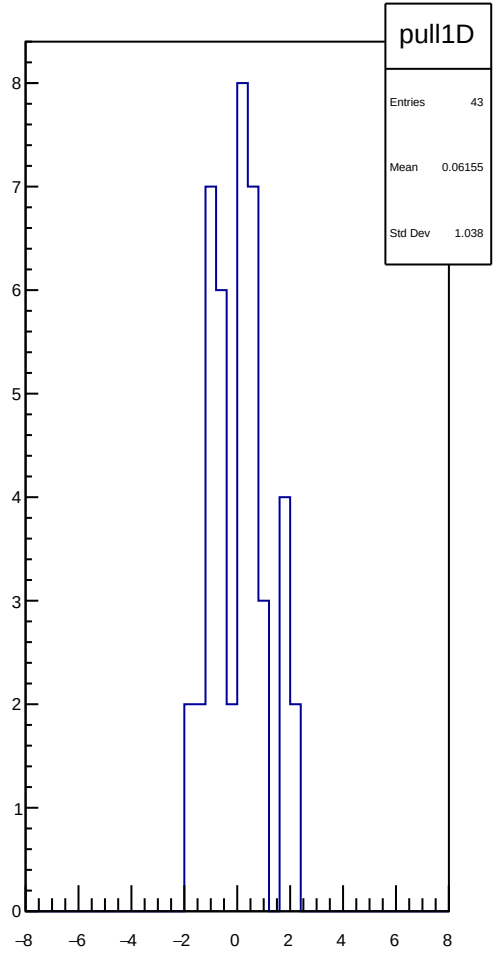

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4589 / 42
p0 0.005682 ± 6.11e–06
0.007
0.0065
0.006
0.0055
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

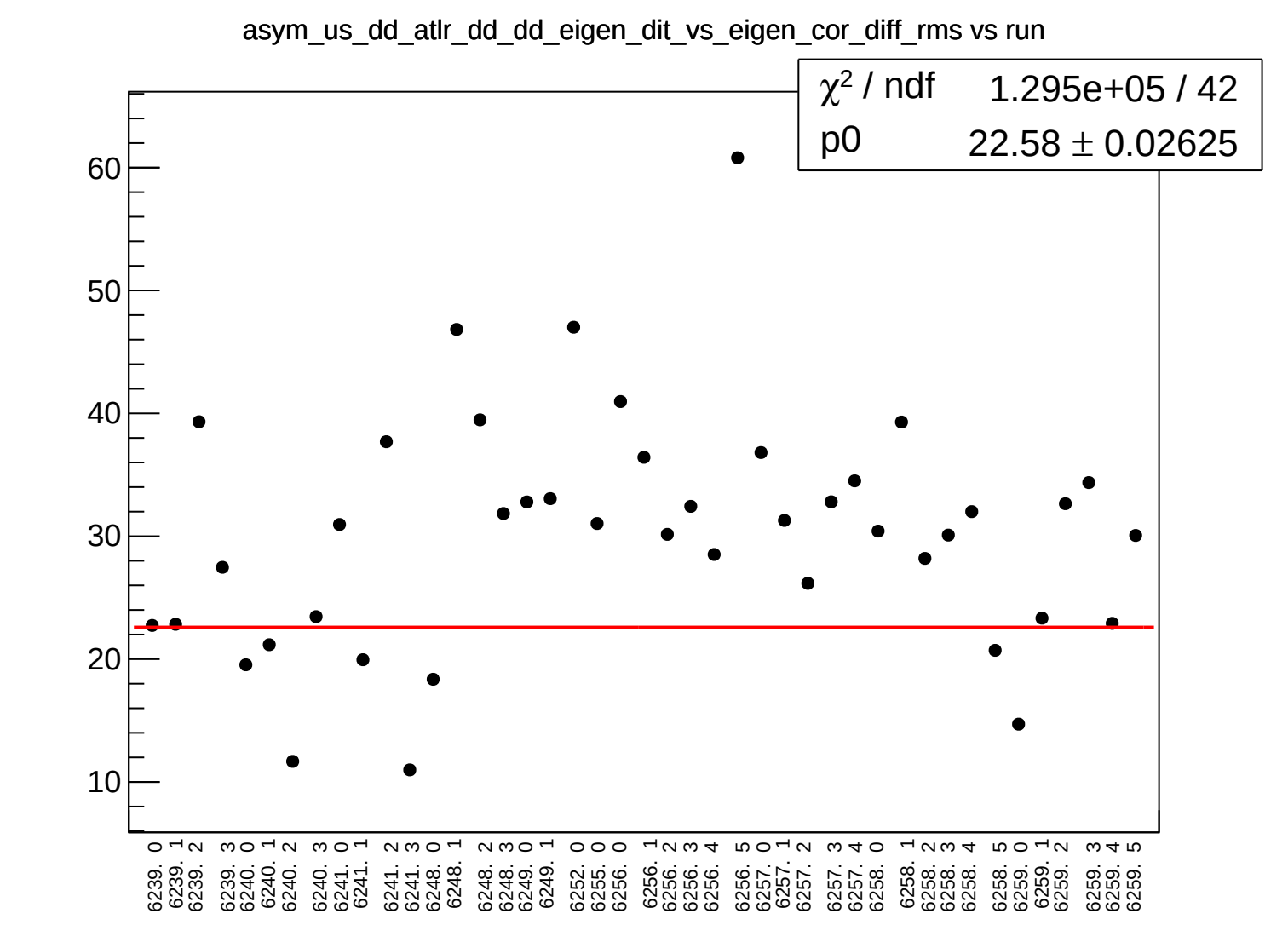

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.45 / 42
p0 −0.01601 ± 0.03713
pull
Entries 43
Mean 17.98
Std Dev 17.52

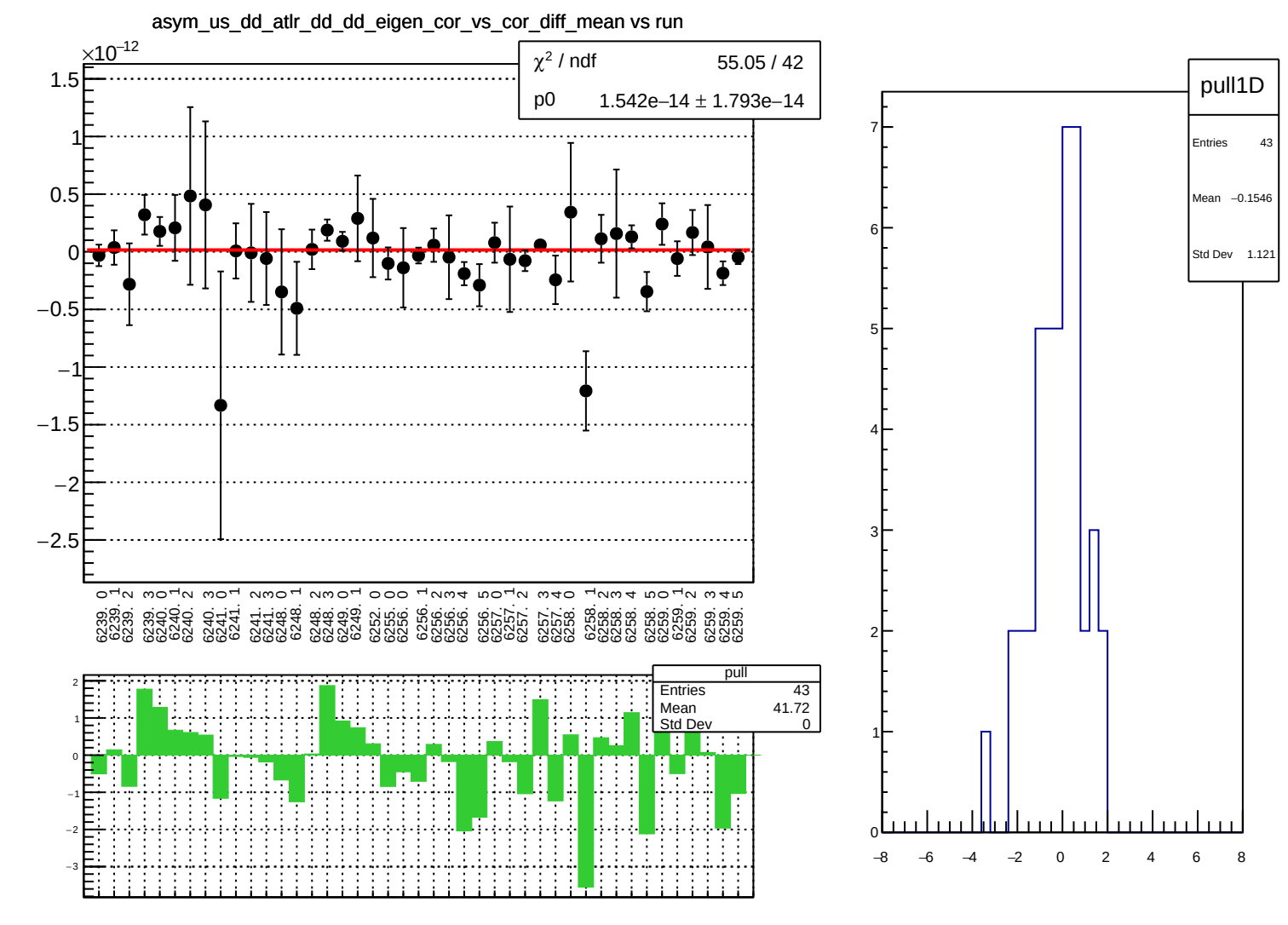

pull1D
Entries 43
Mean 0.06155
Std Dev 1.038

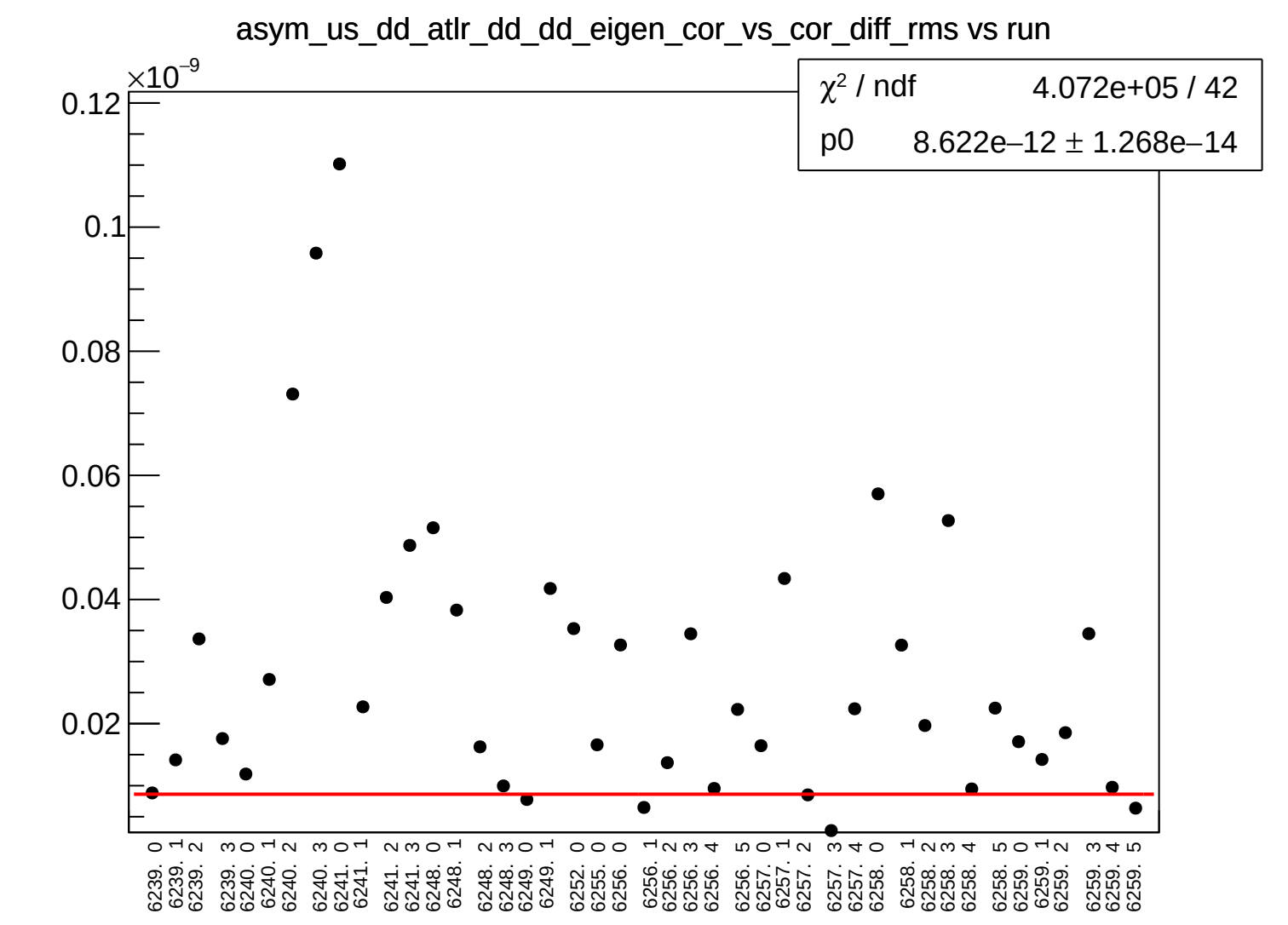

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.295e+05 / 42
p0 22.58 ± 0.02625
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

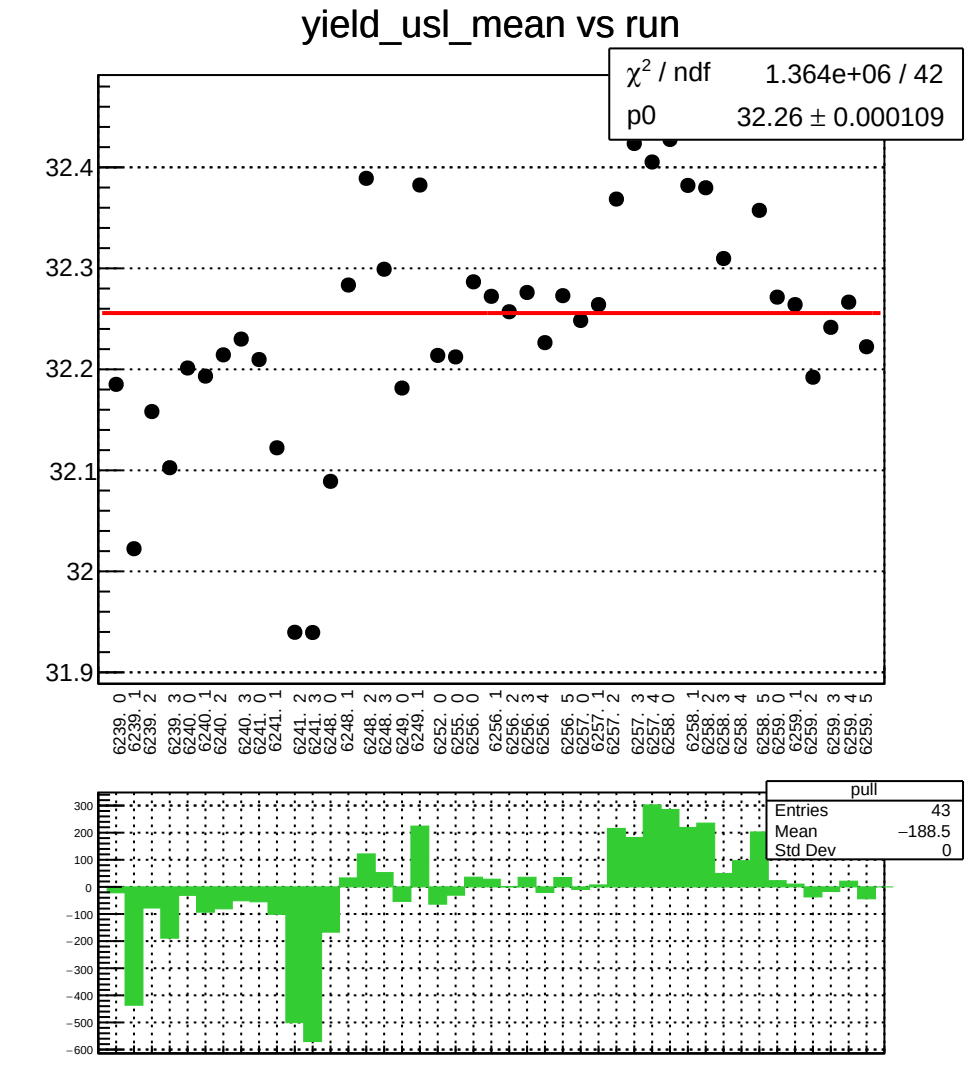

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.45 / 42
p0 −0.01601 ± 0.03713
pull
Entries 43
Mean 17.98
Std Dev 17.52

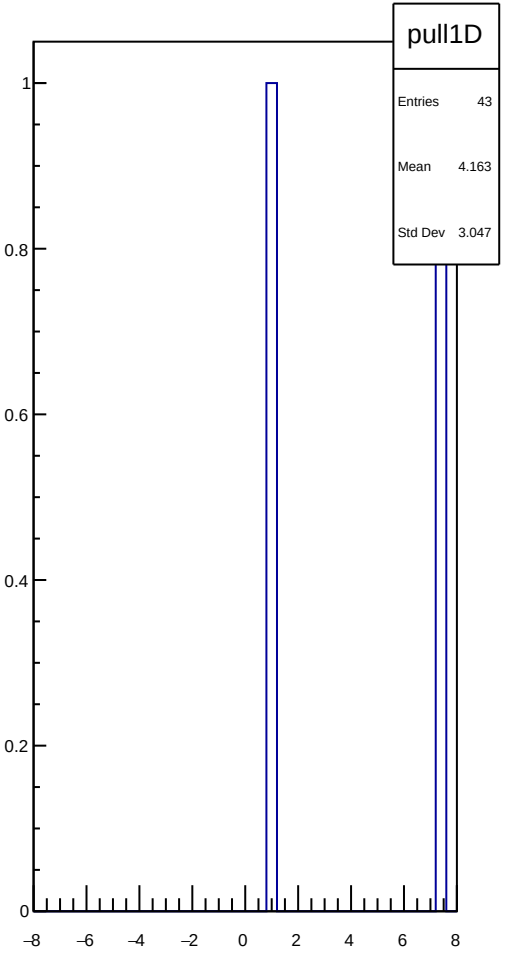

pull1D
Entries 43
Mean 0.06155
Std Dev 1.038

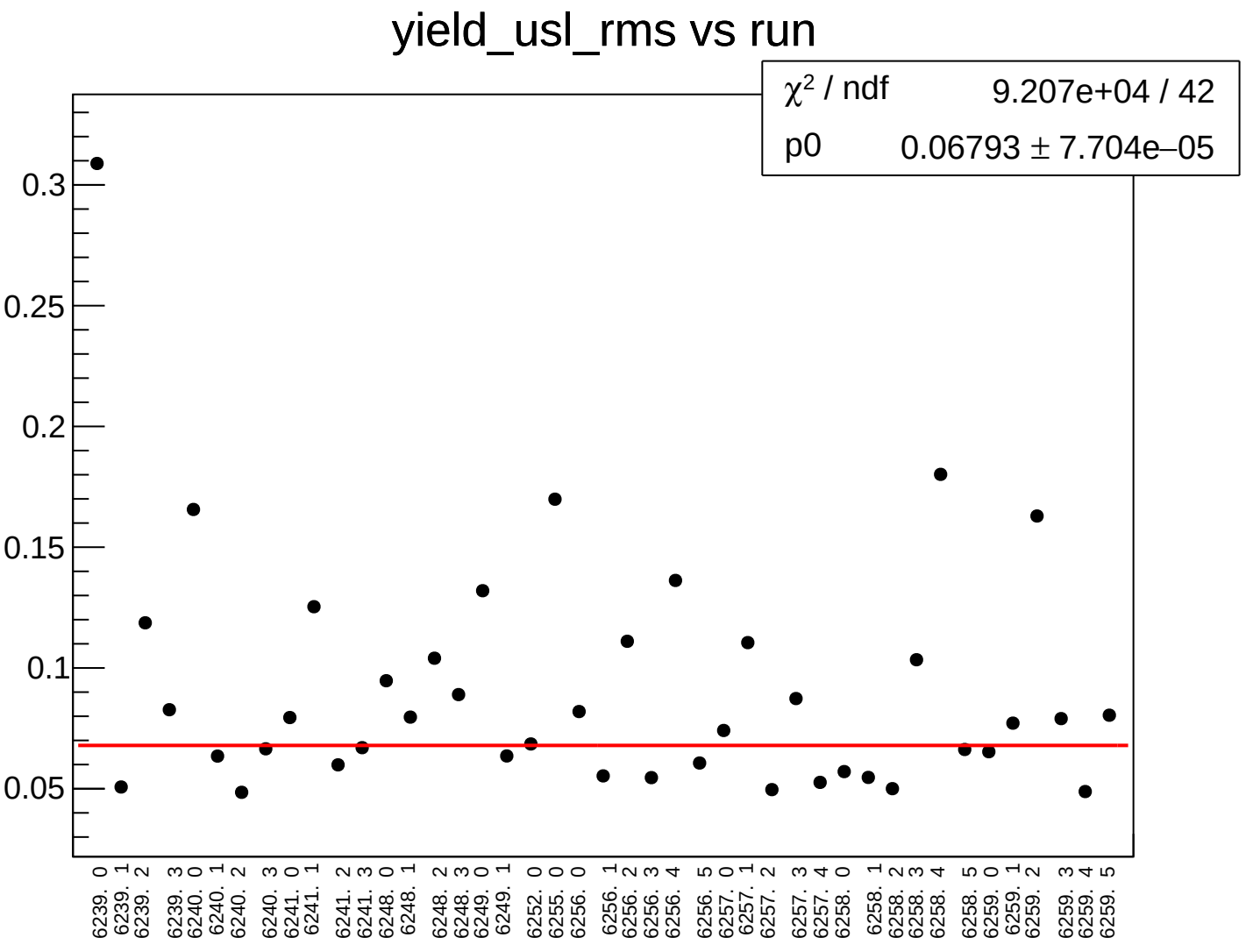

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.295e+05 / 42
p0 22.58 ± 0.02625
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

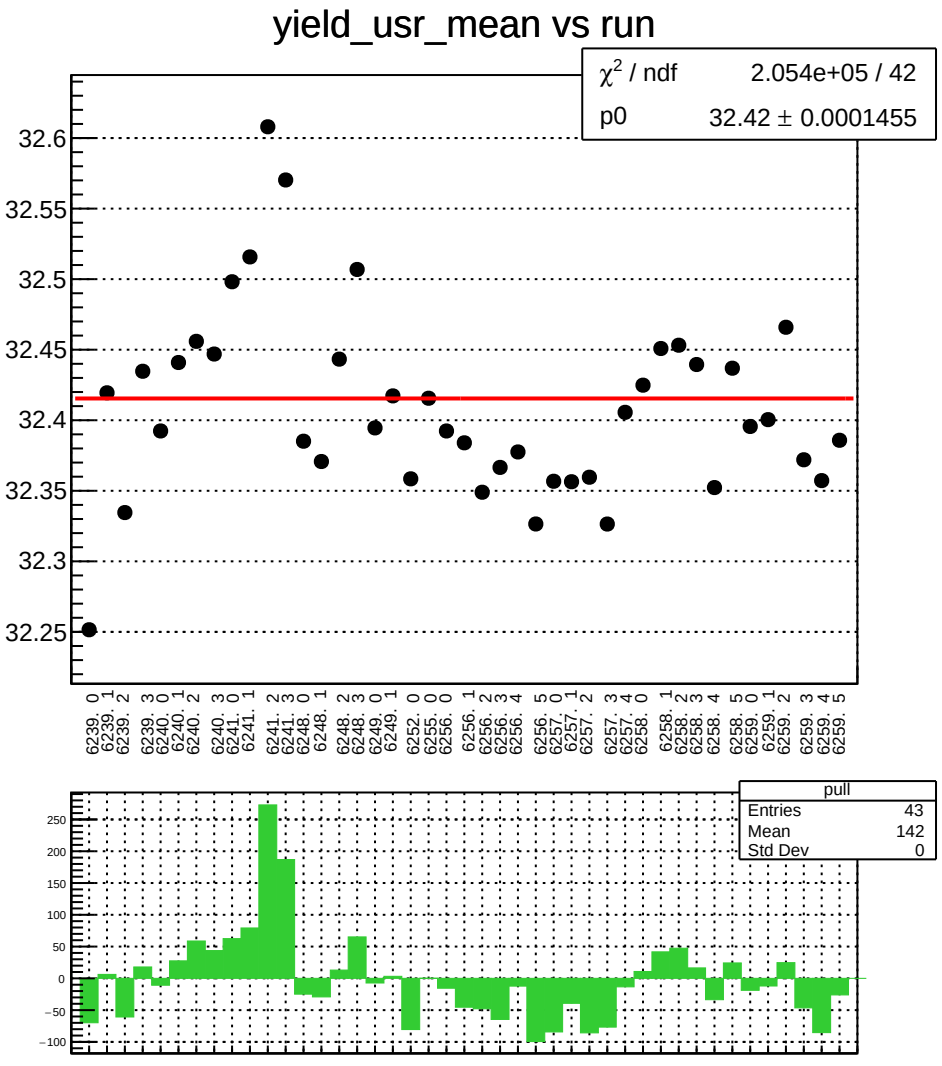

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 55.05 / 42
p0 1.542e−14 ± 1.793e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 41.72
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.1546
Std Dev 1.121
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

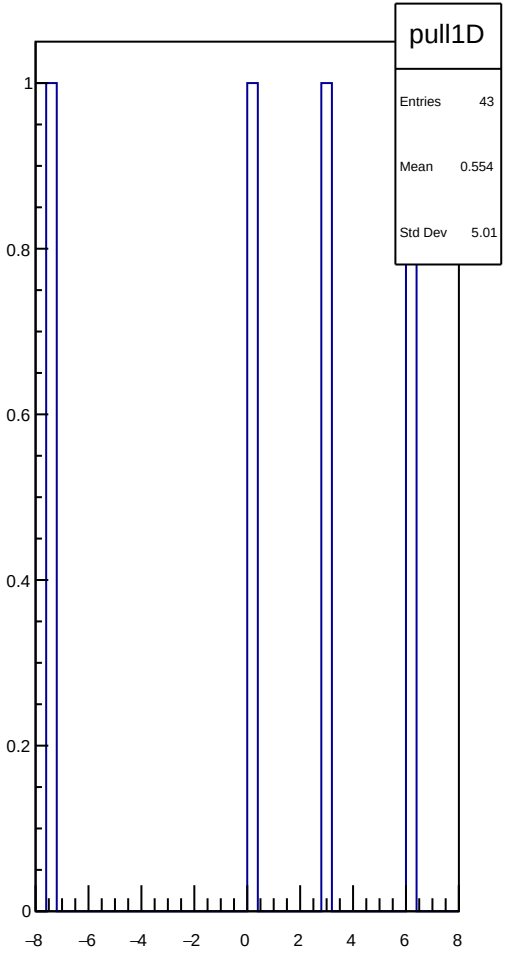

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.072e+05 / 42
p0 8.622e−12 ± 1.268e−14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

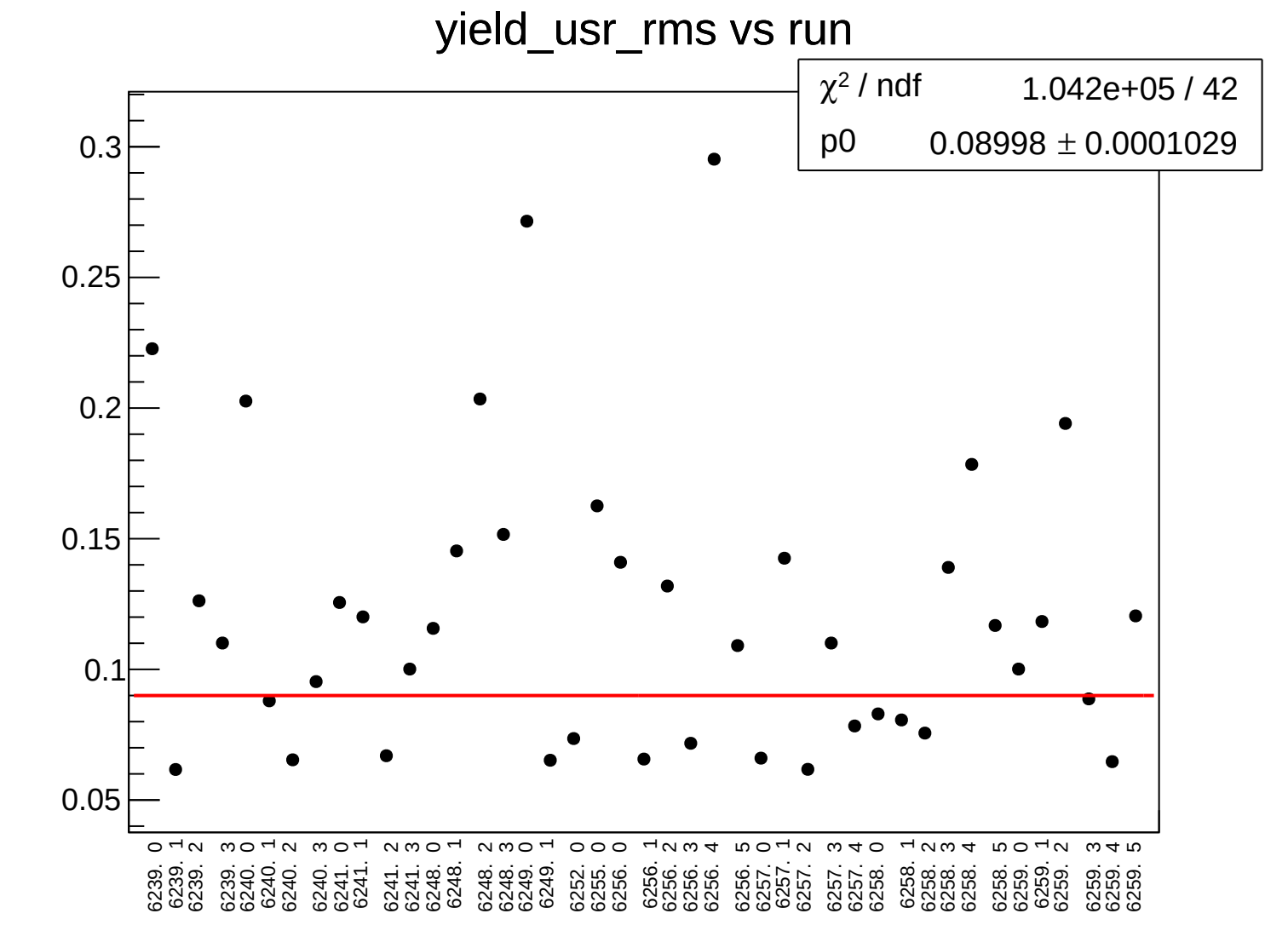

yield_usl_mean vs run
χ² / ndf 1.364e+06 / 42
p0 32.26 ± 0.000109
32.4
32.3
32.2
32.1
32
31.9
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −188.5
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600

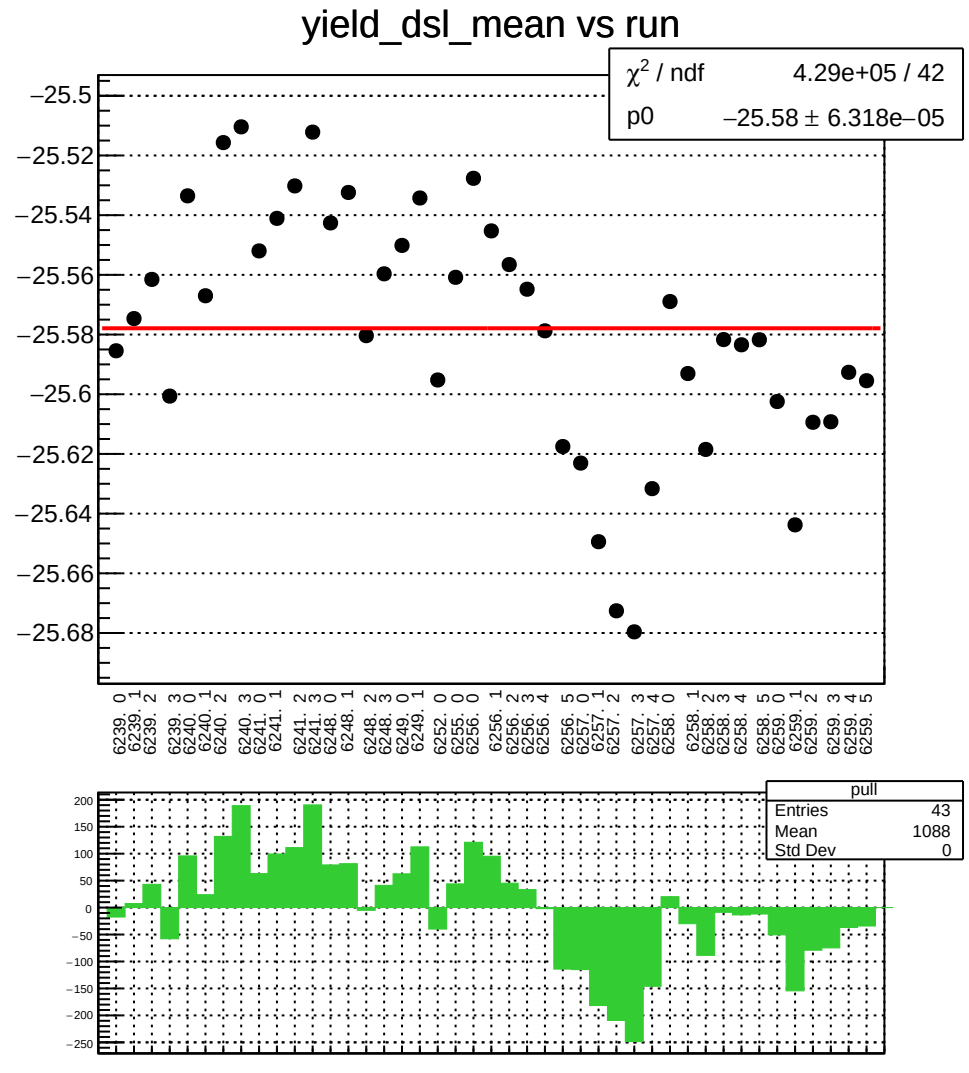

pull1D
Entries 43
Mean 4.163
Std Dev 3.047
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

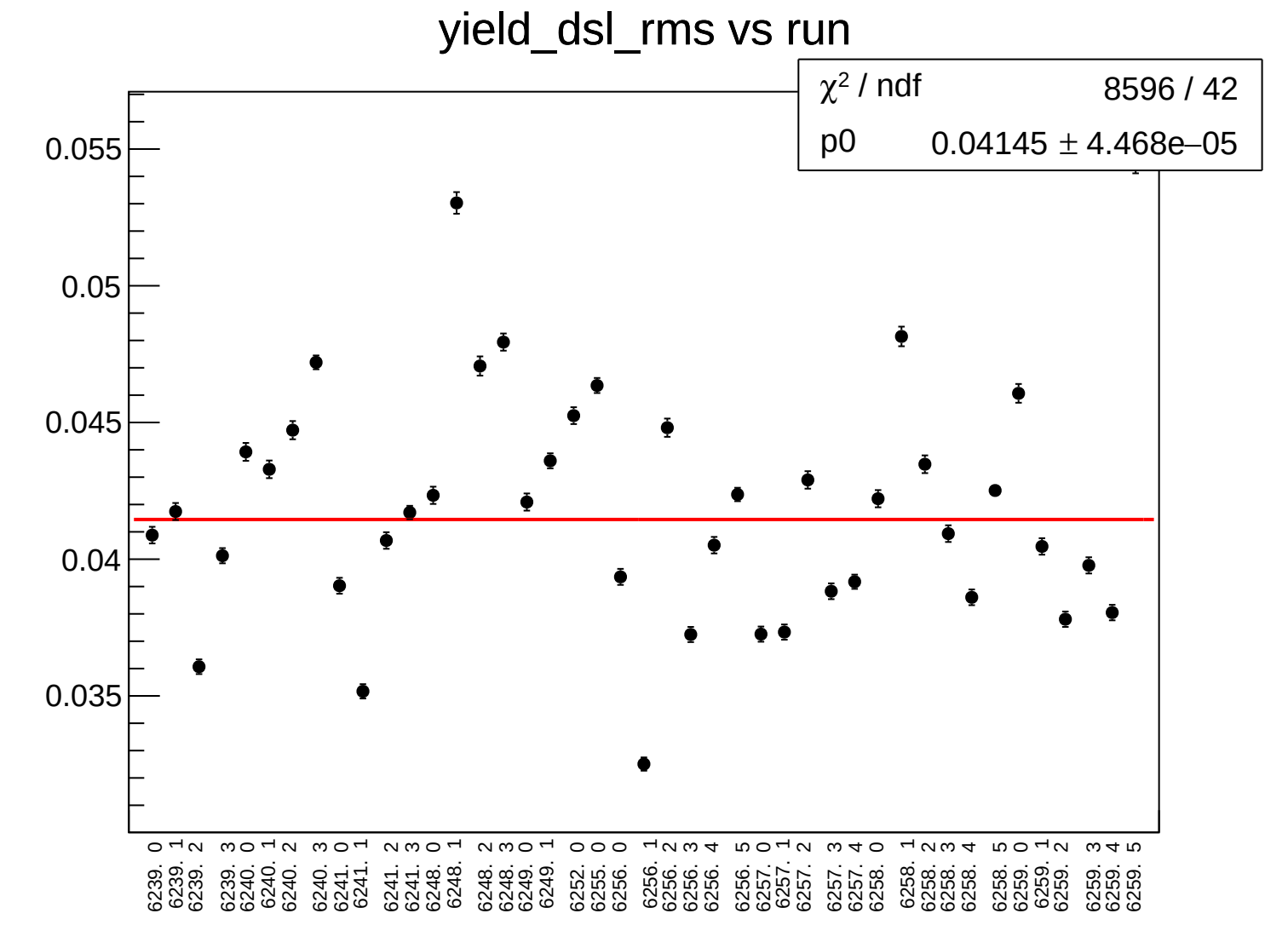

yield_usl_rms vs run
χ² / ndf 9.207e+04 / 42
p0 0.06793 ± 7.704e–05
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

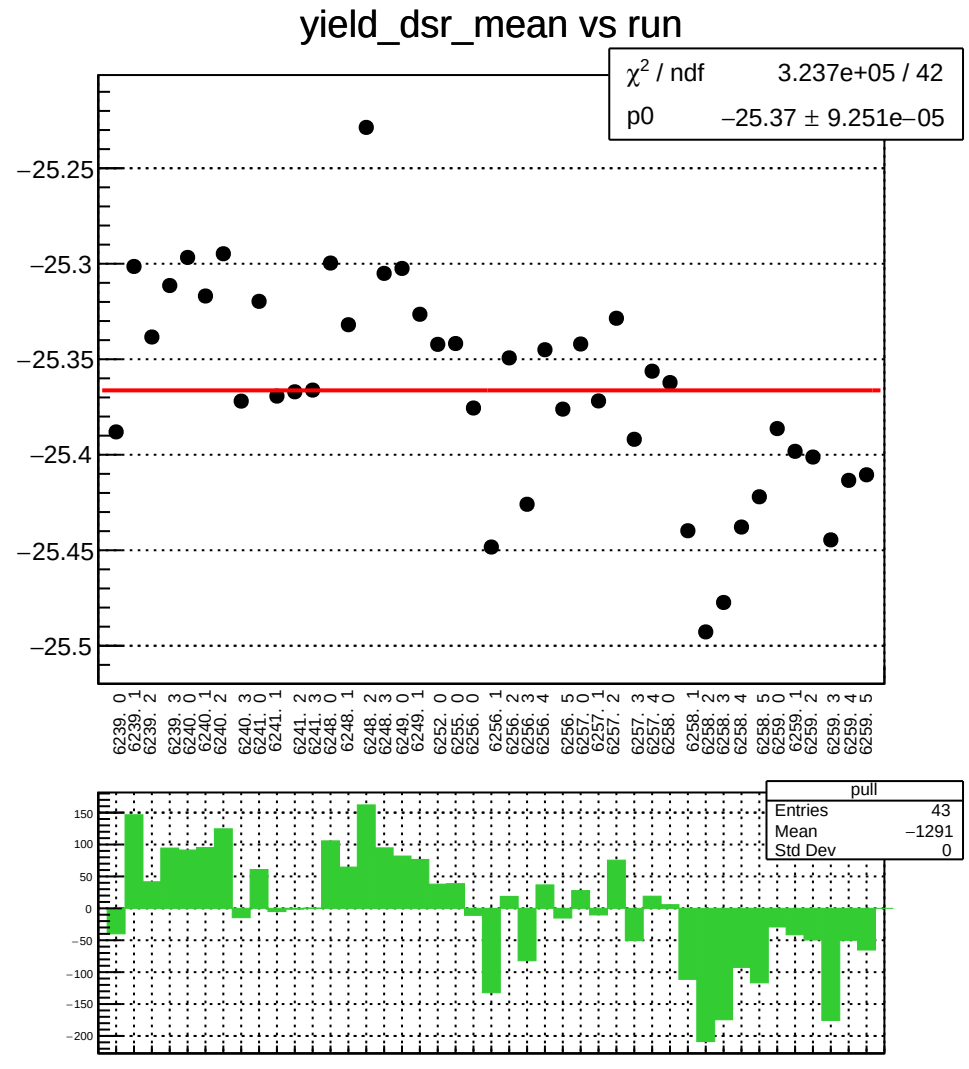

yield_usr_mean vs run
χ² / ndf 2.054e+05 / 42
p0 32.42 ± 0.0001455
32.6
32.55
32.5
32.45
32.4
32.35
32.3
32.25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 142
Std Dev 0
250
200
150
100
50
0
−50
−100

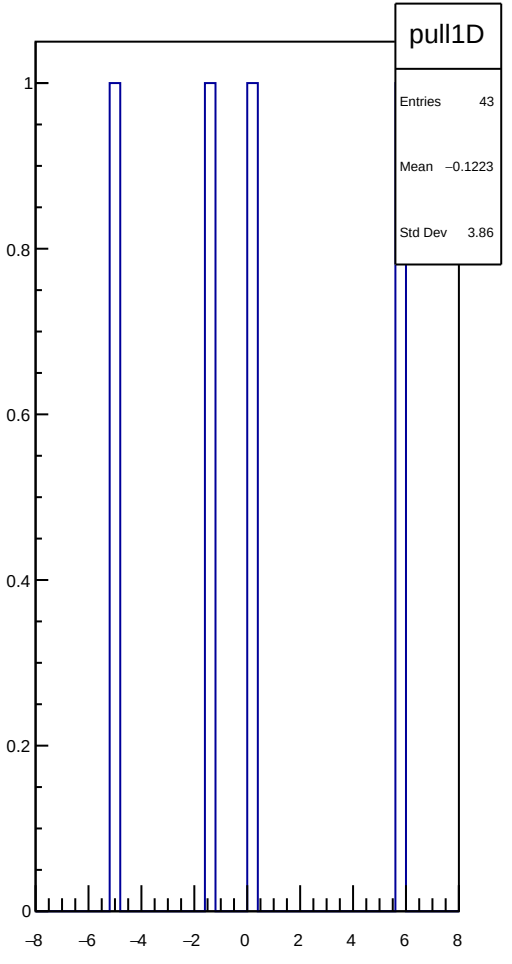

pull1D
Entries 43
Mean 0.554
Std Dev 5.01
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

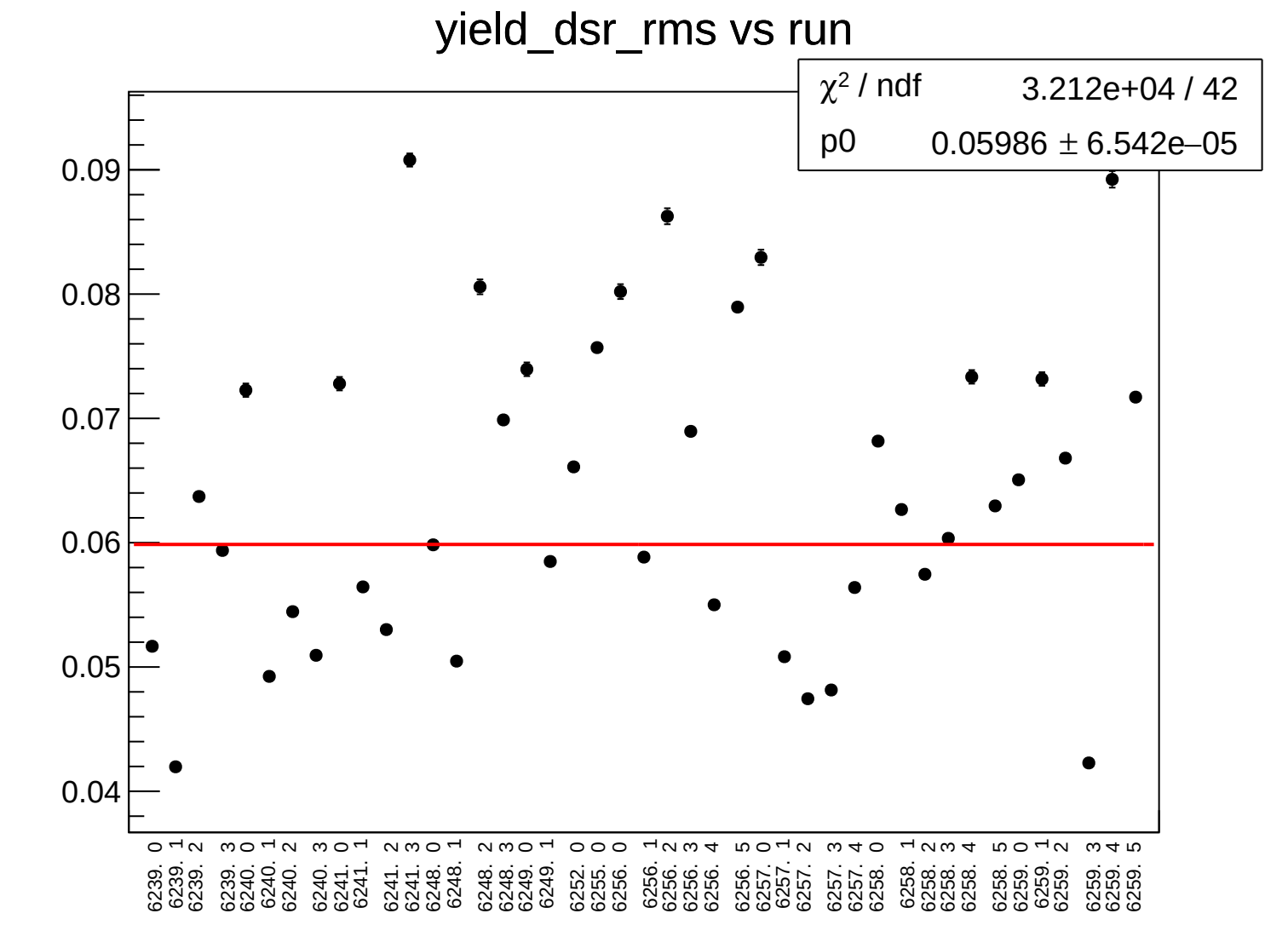

yield_usr_rms vs run
χ² / ndf 1.042e+05 / 42
p0 0.08998 ± 0.0001029
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

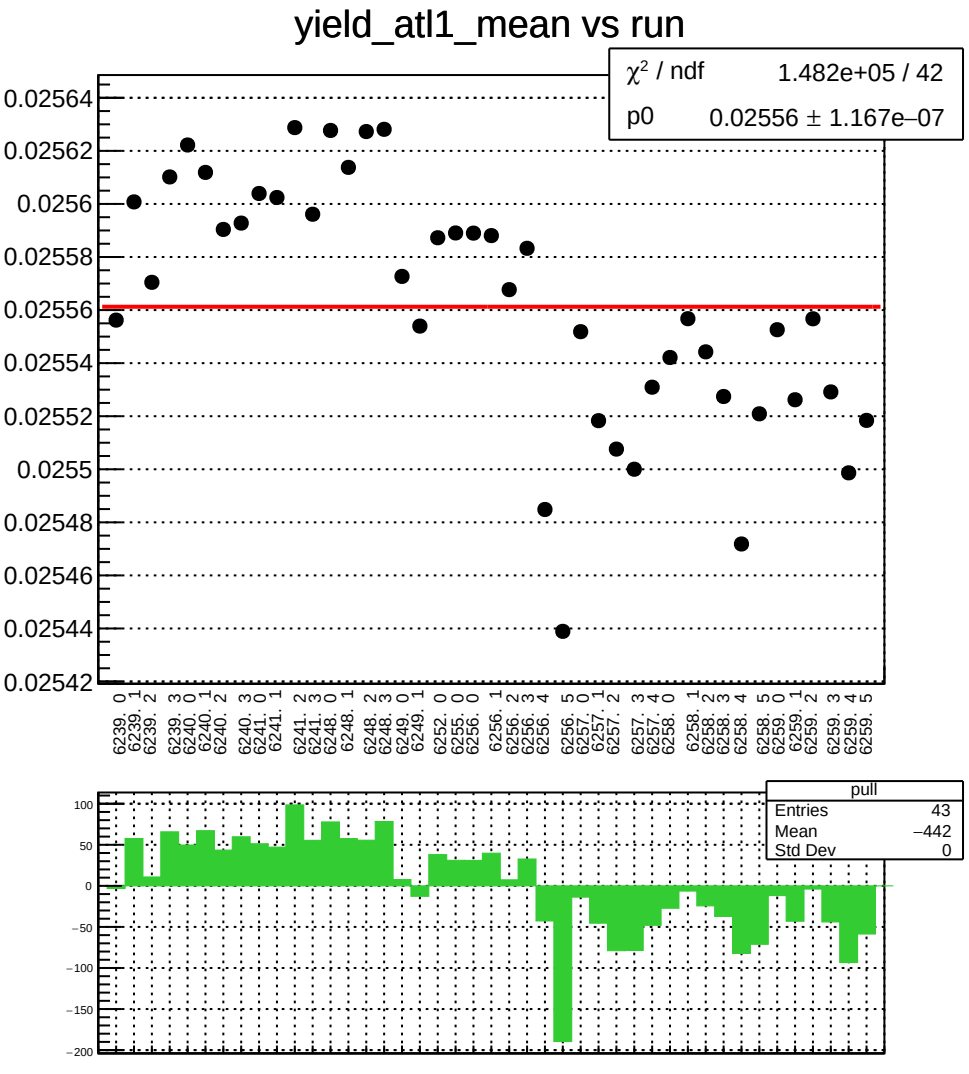

yield_dsl_mean vs run
χ² / ndf 4.29e+05 / 42
p0 −25.58 ± 6.318e−05
−25.5
−25.52
−25.54
−25.56
−25.58
−25.6
−25.62
−25.64
−25.66
−25.68
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1088
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 43
Mean 0.1336
Std Dev 5.271
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

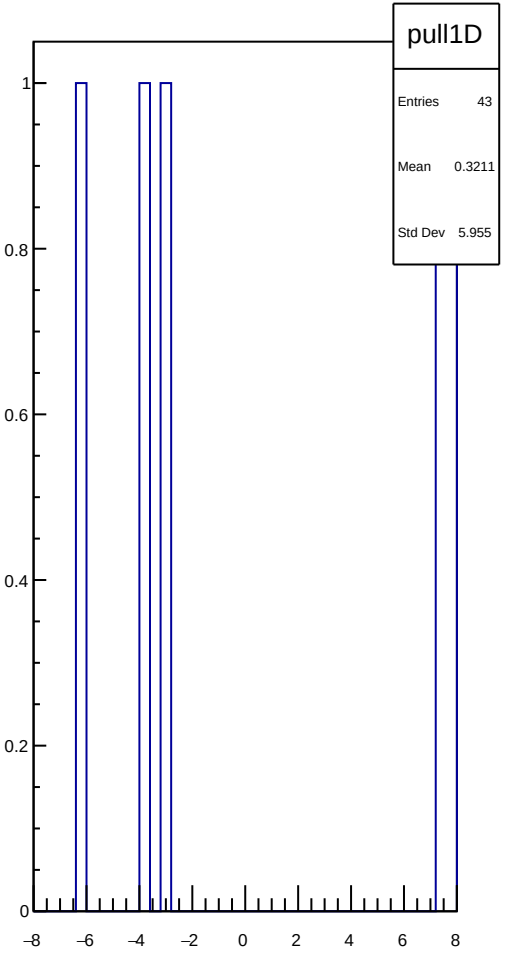

yield_dsl_rms vs run
χ² / ndf 8596 / 42
p0 0.04145 ± 4.468e−05
0.055
0.05
0.045
0.04
0.035
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

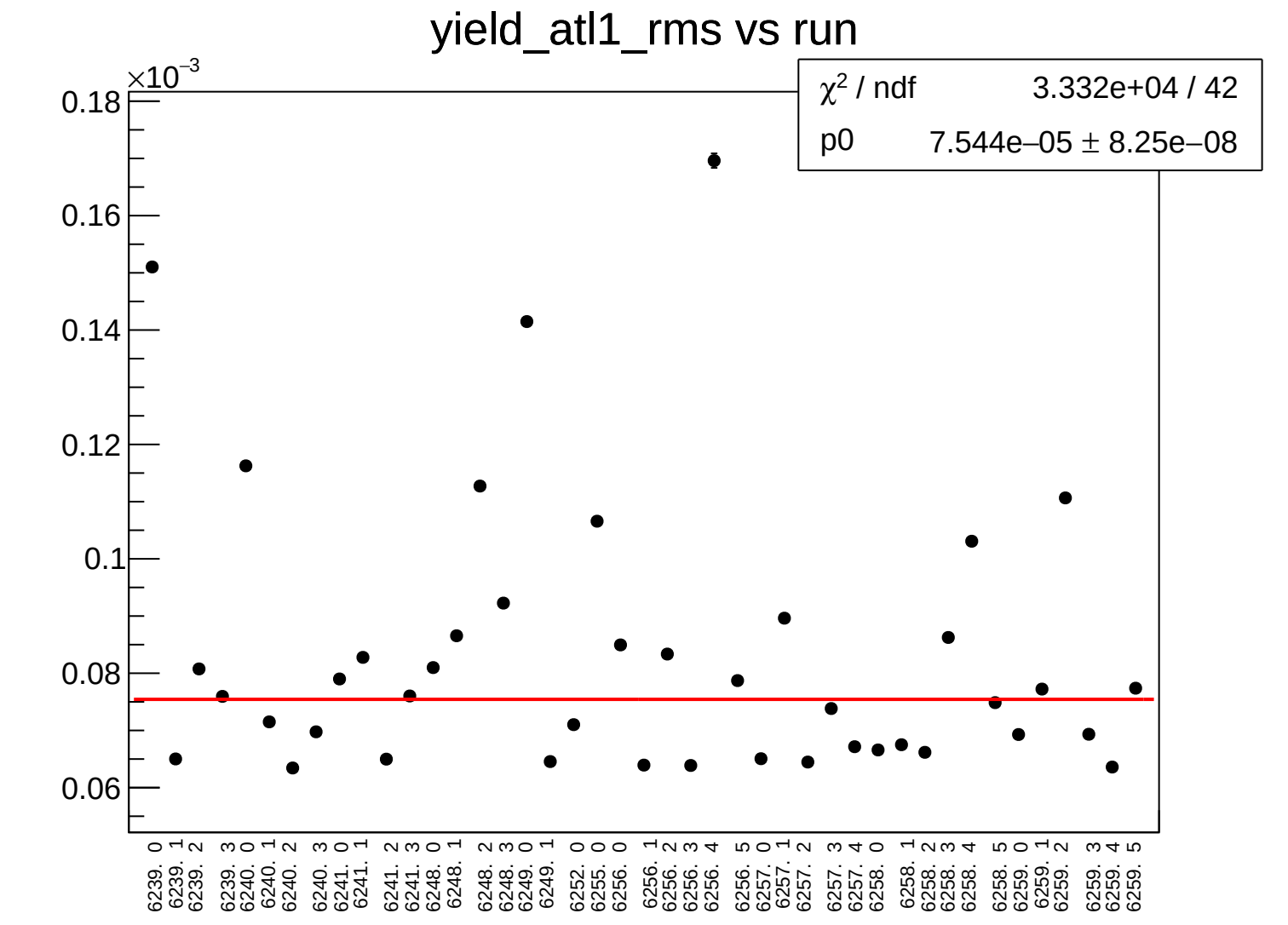

yield_dsr_mean vs run
χ² / ndf 3.237e+05 / 42
p0 −25.37 ± 9.251e−05
−25.25
−25.3
−25.35
−25.4
−25.45
−25.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1291
Std Dev 0
150
100
50
0
−50
−100
−150
−200

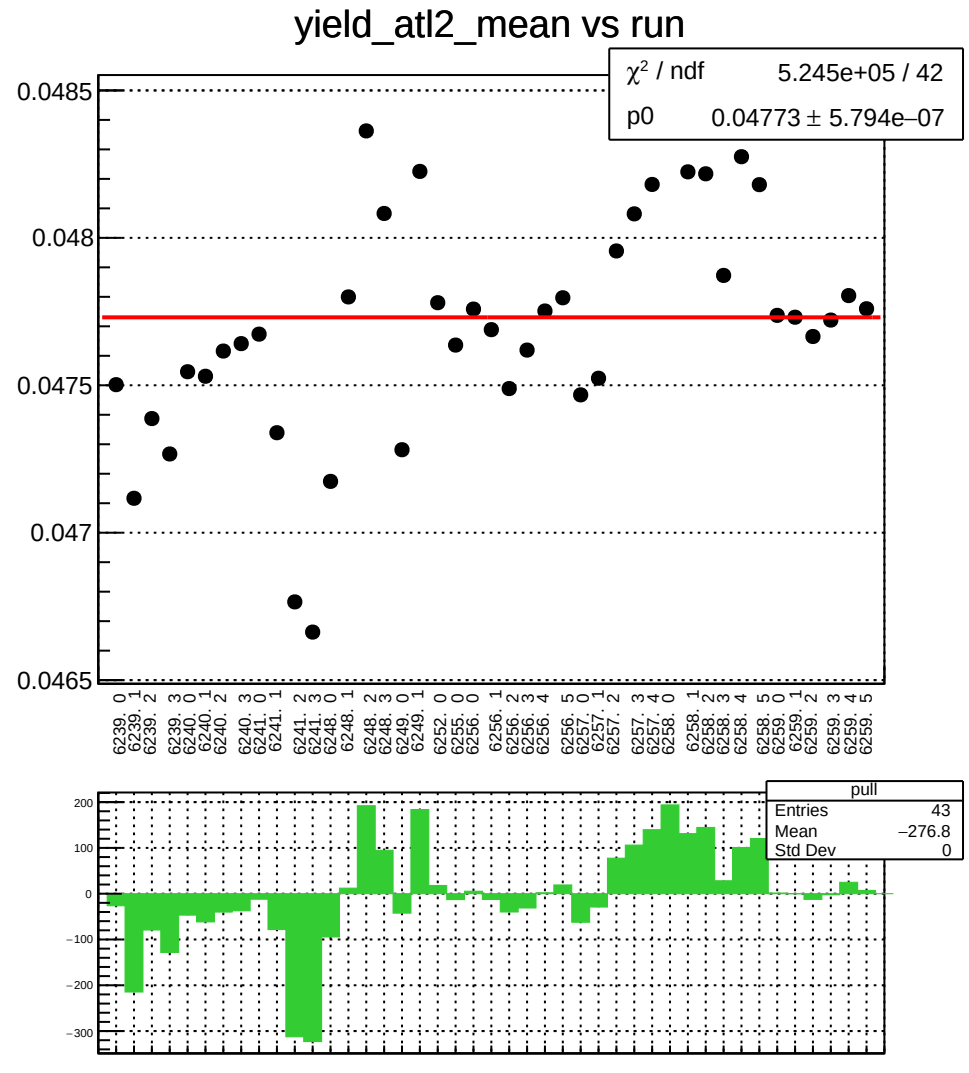

pull1D
Entries 43
Mean −0.1223
Std Dev 3.86
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

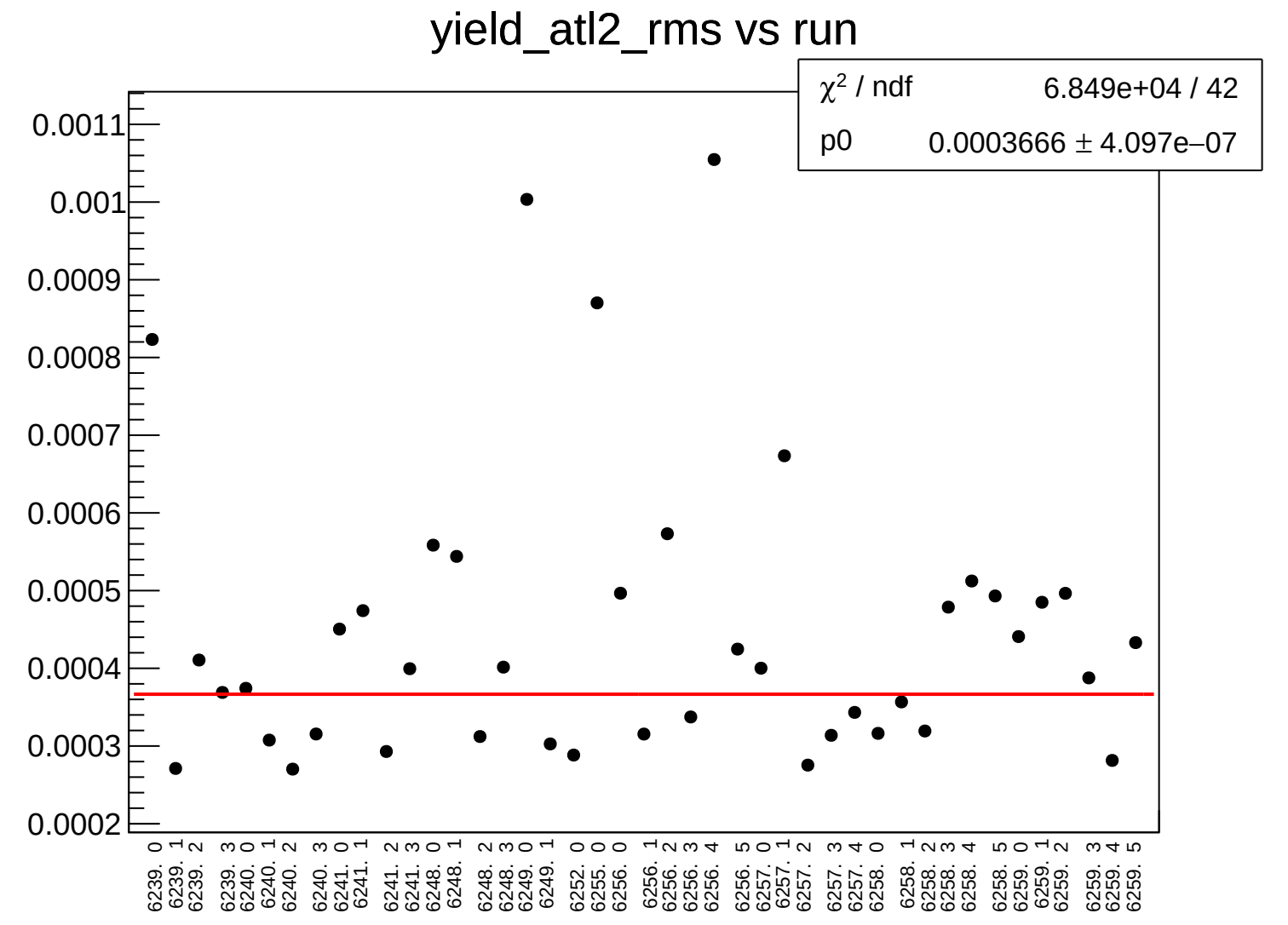

yield_dsr_rms vs run
χ² / ndf 3.212e+04 / 42
p0 0.05986 ± 6.542e−05
0.09
0.08
0.07
0.06
0.05
0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

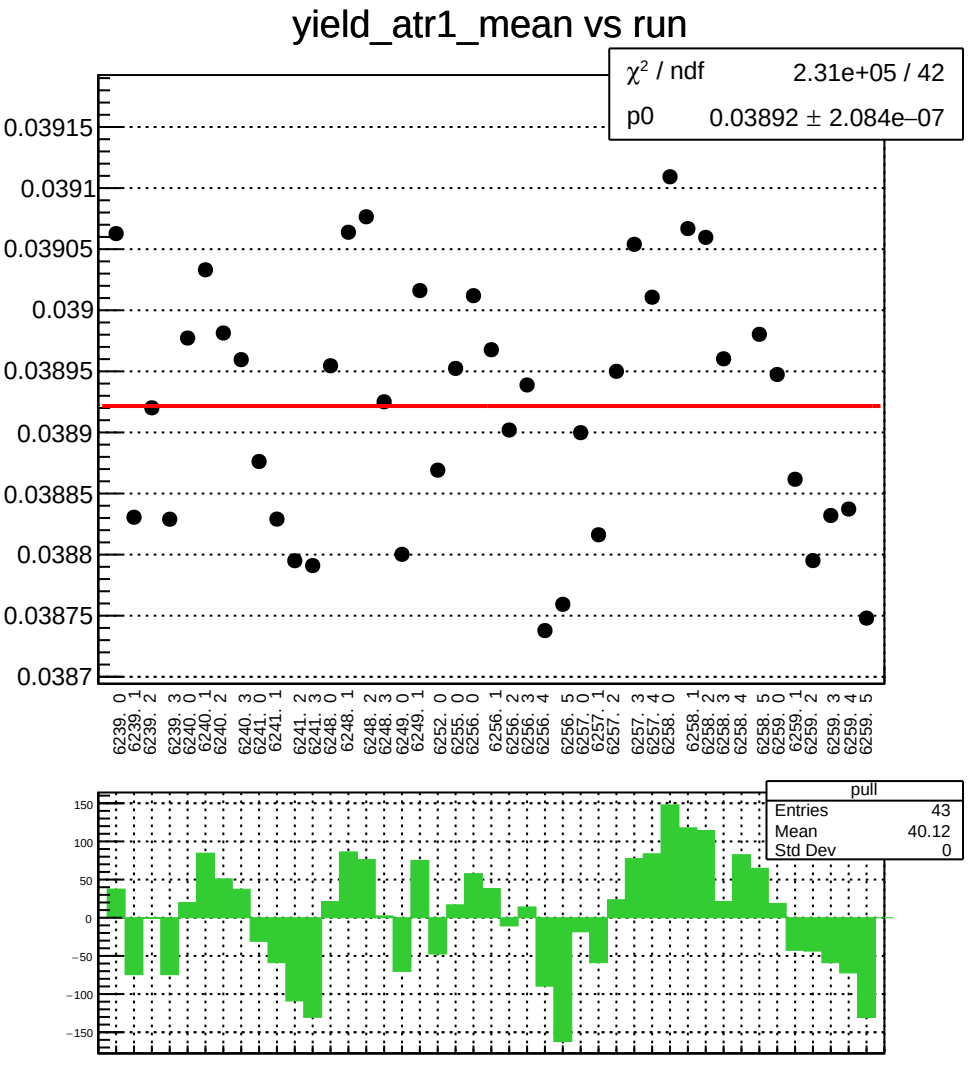

yield_atl1_mean vs run
χ² / ndf 1.482e+05 / 42
p0 0.02556 ± 1.167e−07
0.02564
0.02562
0.0256
0.02558
0.02556
0.02554
0.02552
0.0255
0.02548
0.02546
0.02544
0.02542
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −442
Std Dev 0
100
50
0
−50
−100
−150
−200

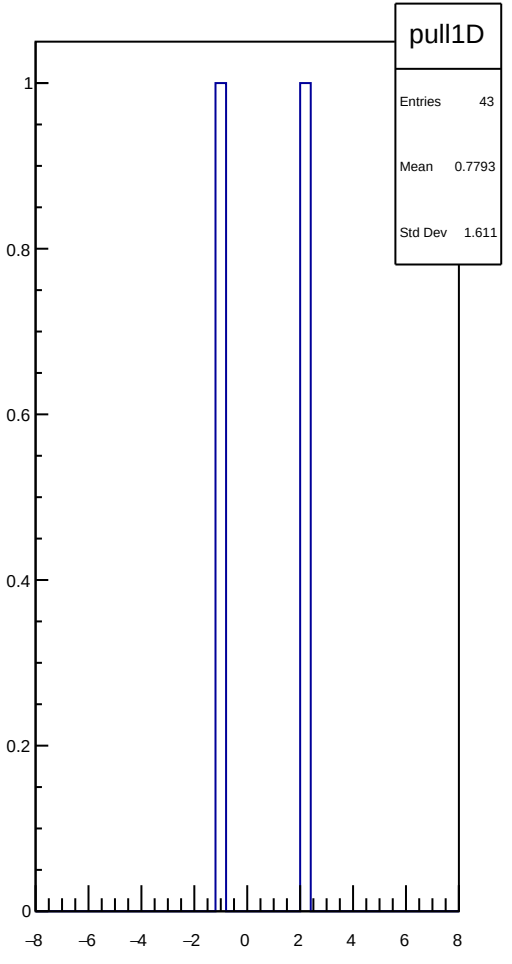

pull1D
Entries 43
Mean 0.3211
Std Dev 5.955
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

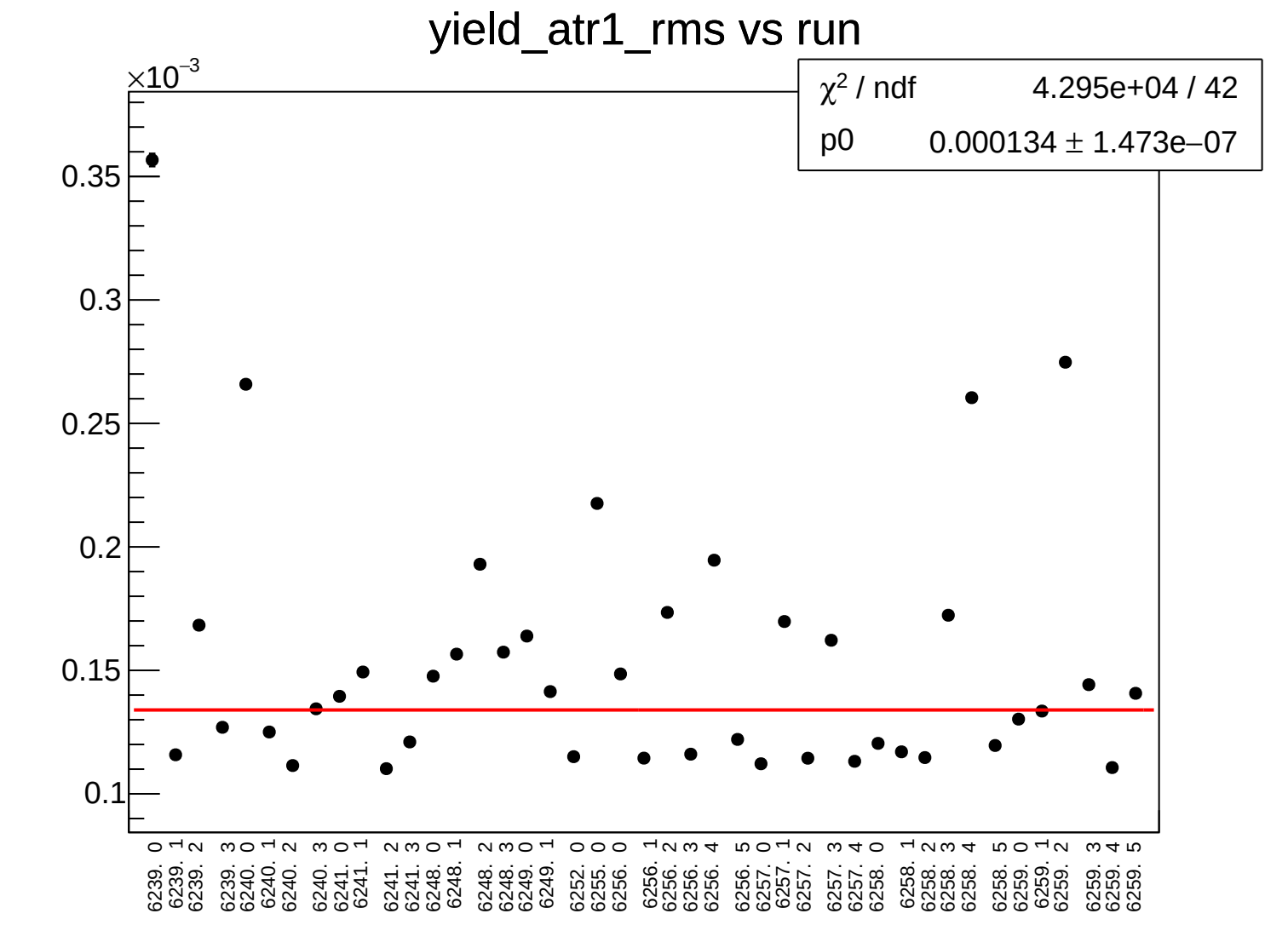

yield_atl1_rms vs run
×10⁻³
χ² / ndf 3.332e+04 / 42
p0 7.544e−05 ± 8.25e−08
0.18
0.16
0.14
0.12
0.1
0.08
0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

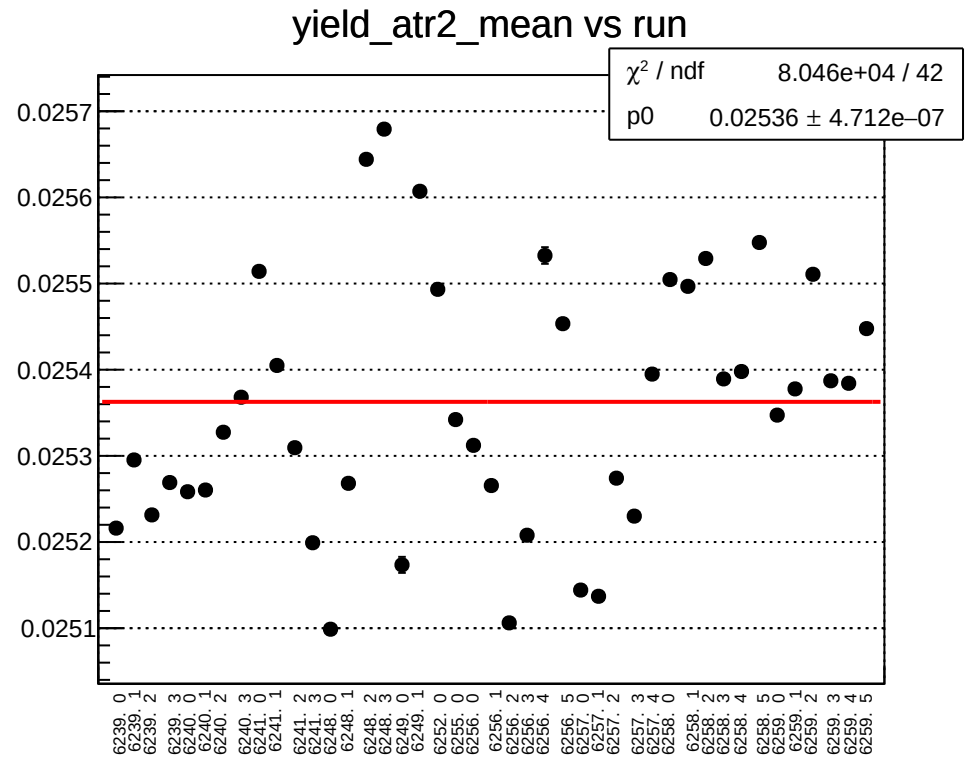

yield_atl2_mean vs run
χ² / ndf 5.245e+05 / 42
p0 0.04773 ± 5.794e–07
0.0485
0.048
0.0475
0.047
0.0465
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean –276.8
Std Dev 0
200
100
0
–100
–200
–300
pull1D
Entries 43
Mean 2.275
Std Dev 3.141
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

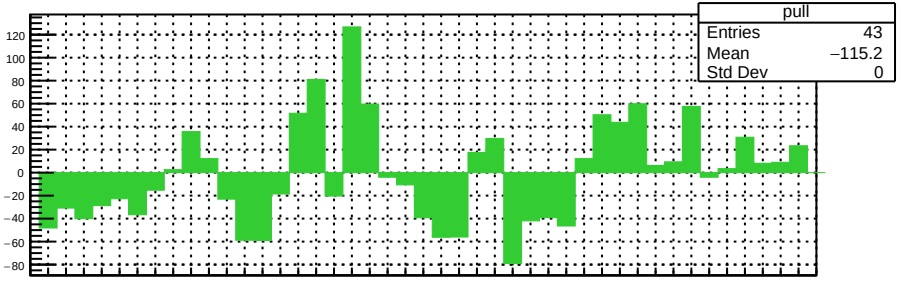

yield_atl2_rms vs run
χ² / ndf 6.849e+04 / 42
p0 0.0003666 ± 4.097e−07
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

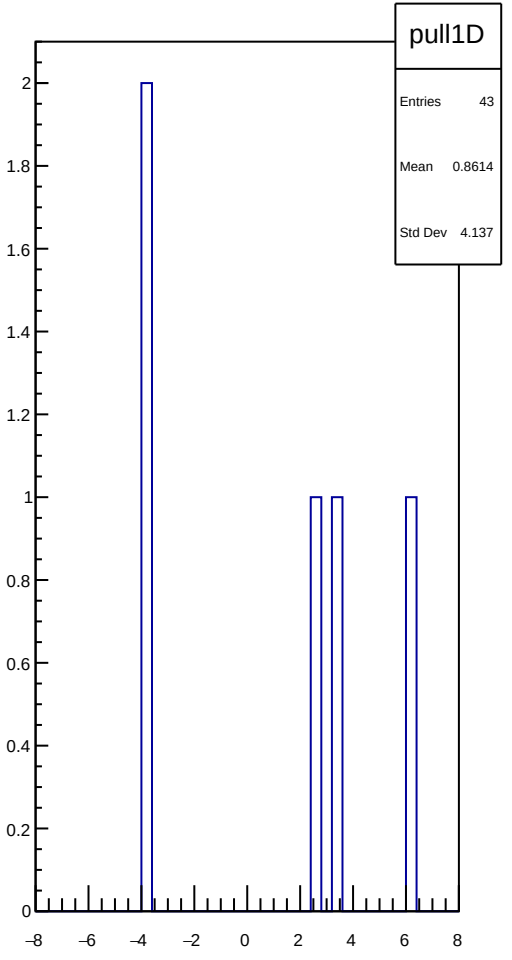

yield_atr1_mean vs run
χ² / ndf 2.31e+05 / 42
p0 0.03892 ± 2.084e−07
0.03915
0.0391
0.03905
0.039
0.03895
0.0389
0.03885
0.0388
0.03875
0.0387
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.12
Std Dev 0
150
100
50
0
−50
−100
−150

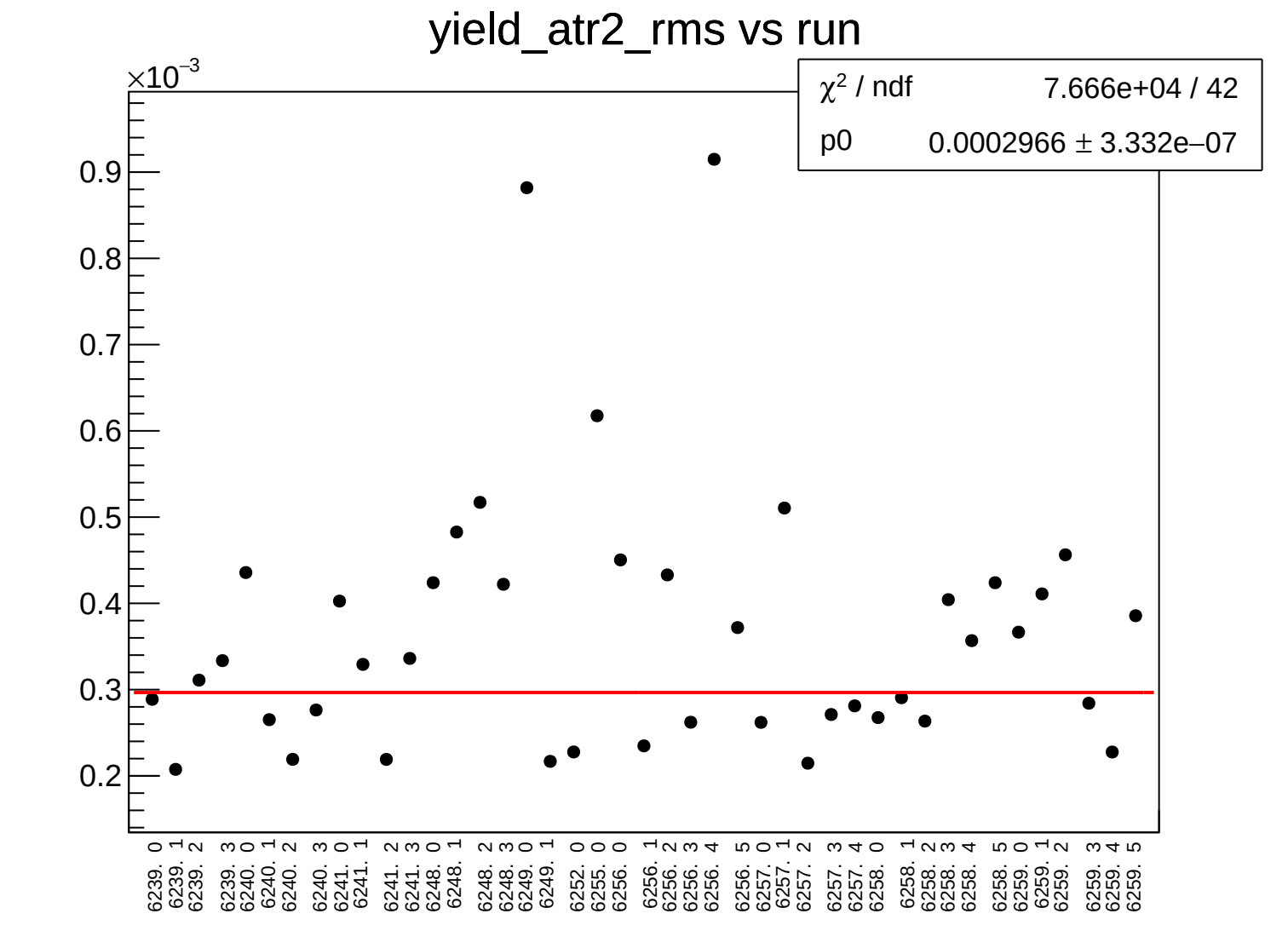

pull1D
Entries 43
Mean 0.7793
Std Dev 1.611
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

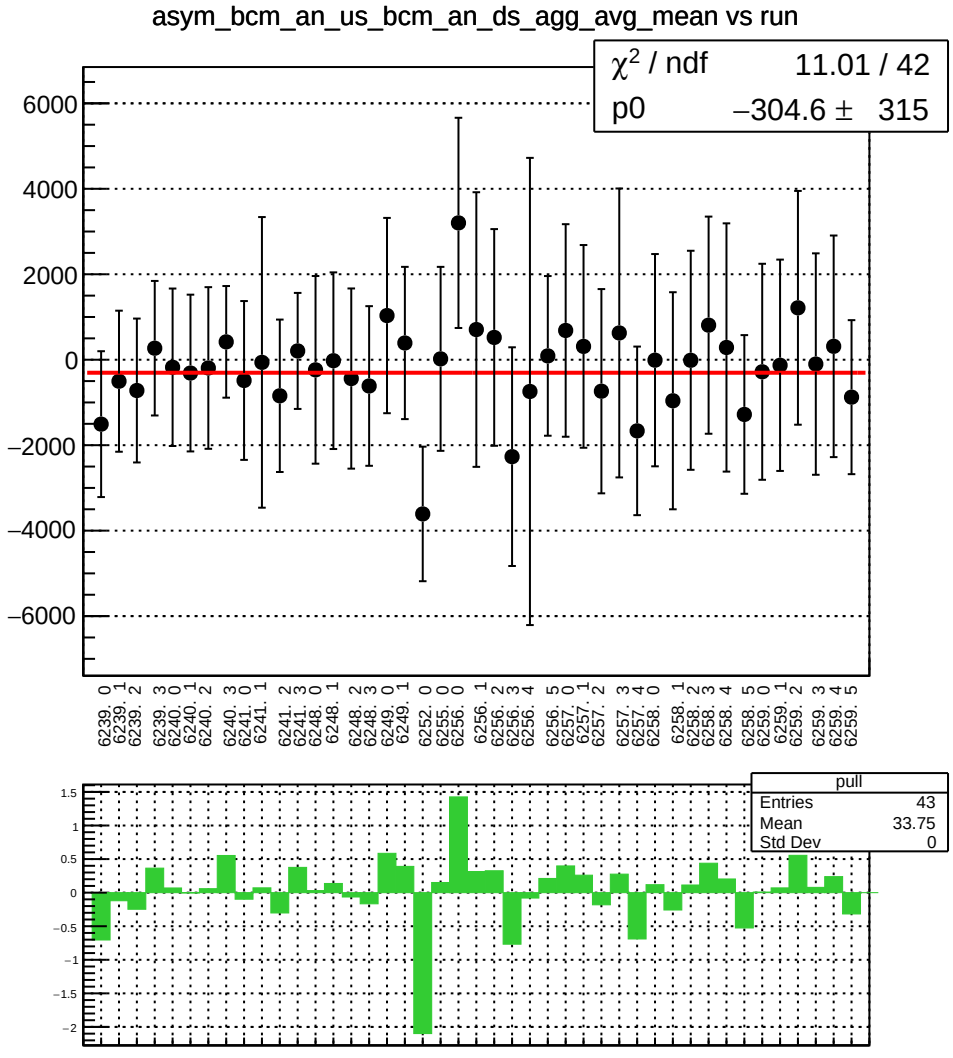

yield_atr1_rms vs run
×10⁻³
χ² / ndf 4.295e+04 / 42
p0 0.000134 ± 1.473e−07
0.35
0.3
0.25
0.2
0.15
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

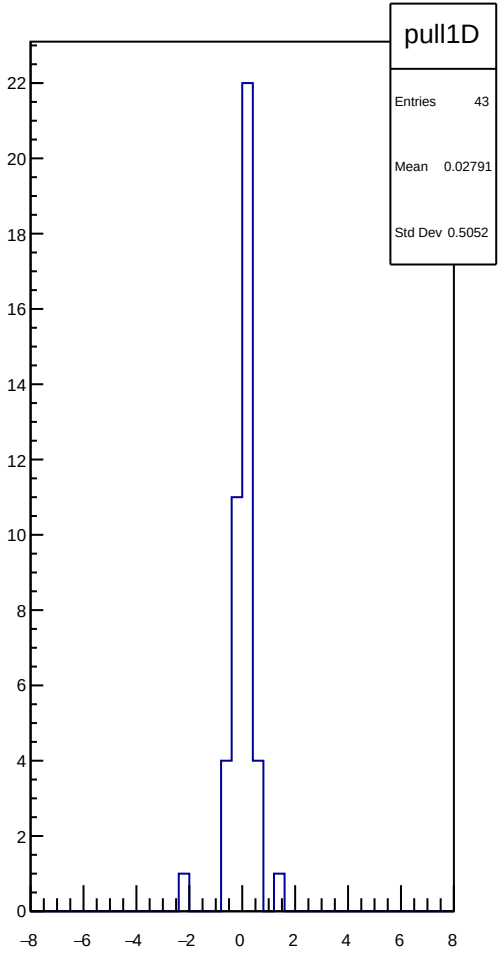

yield_atr2_mean vs run
χ² / ndf 8.046e+04 / 42
p0 0.02536 ± 4.712e–07
0.0257
0.0256
0.0255
0.0254
0.0253
0.0252
0.0251
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

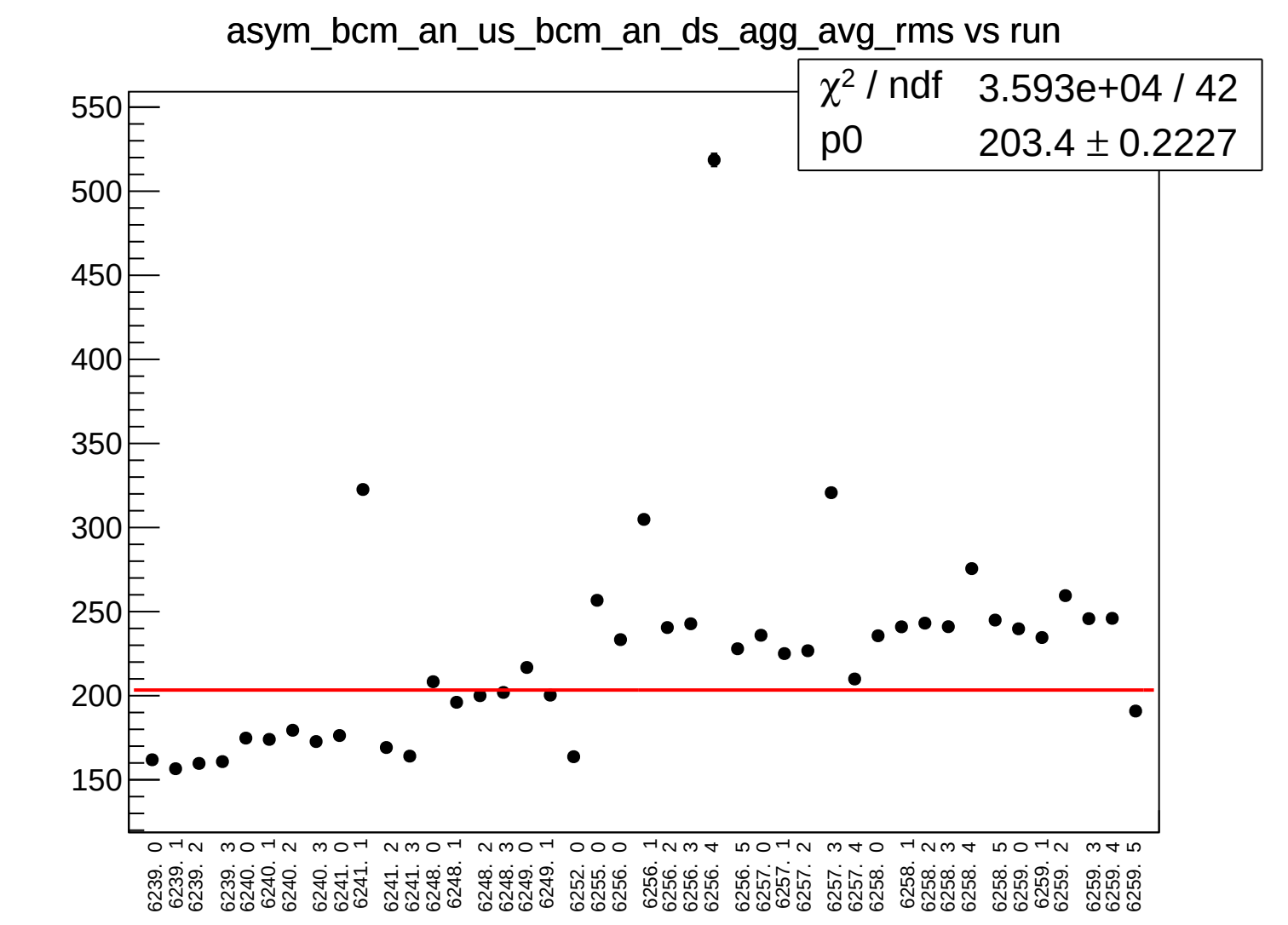

pull
Entries 43
Mean –115.2
Std Dev 0
120
100
80
60
40
20
0
–20
–40
–60
–80

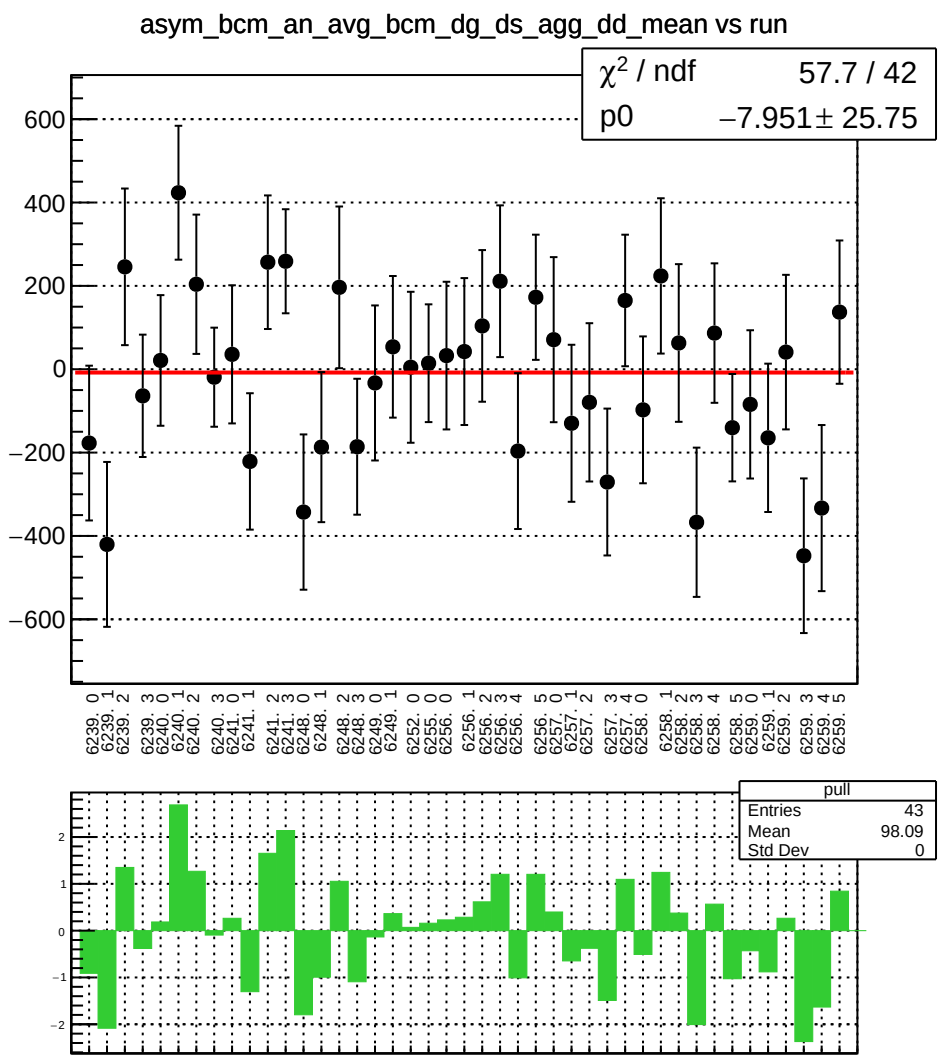

pull1D
Entries 43
Mean 0.8614
Std Dev 4.137
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

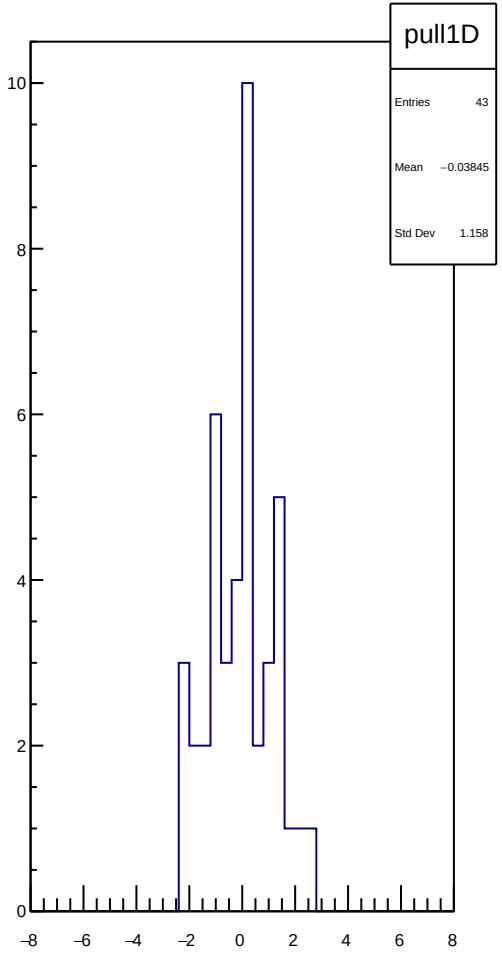

yield_atr2_rms vs run
×10⁻³
χ² / ndf 7.666e+04 / 42
p0 0.0002966 ± 3.332e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

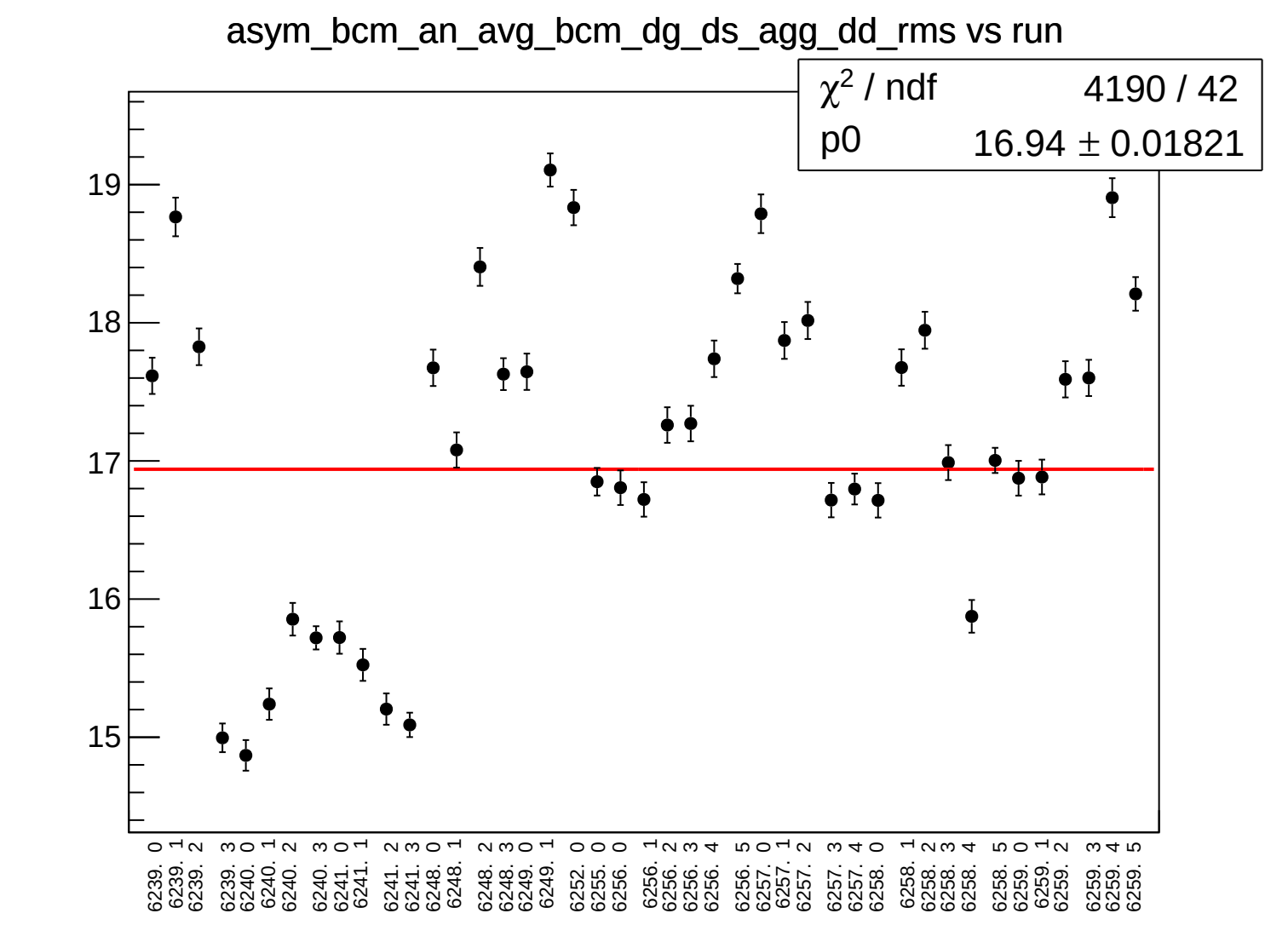

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.01 / 42
p0 −304.6 ± 315
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

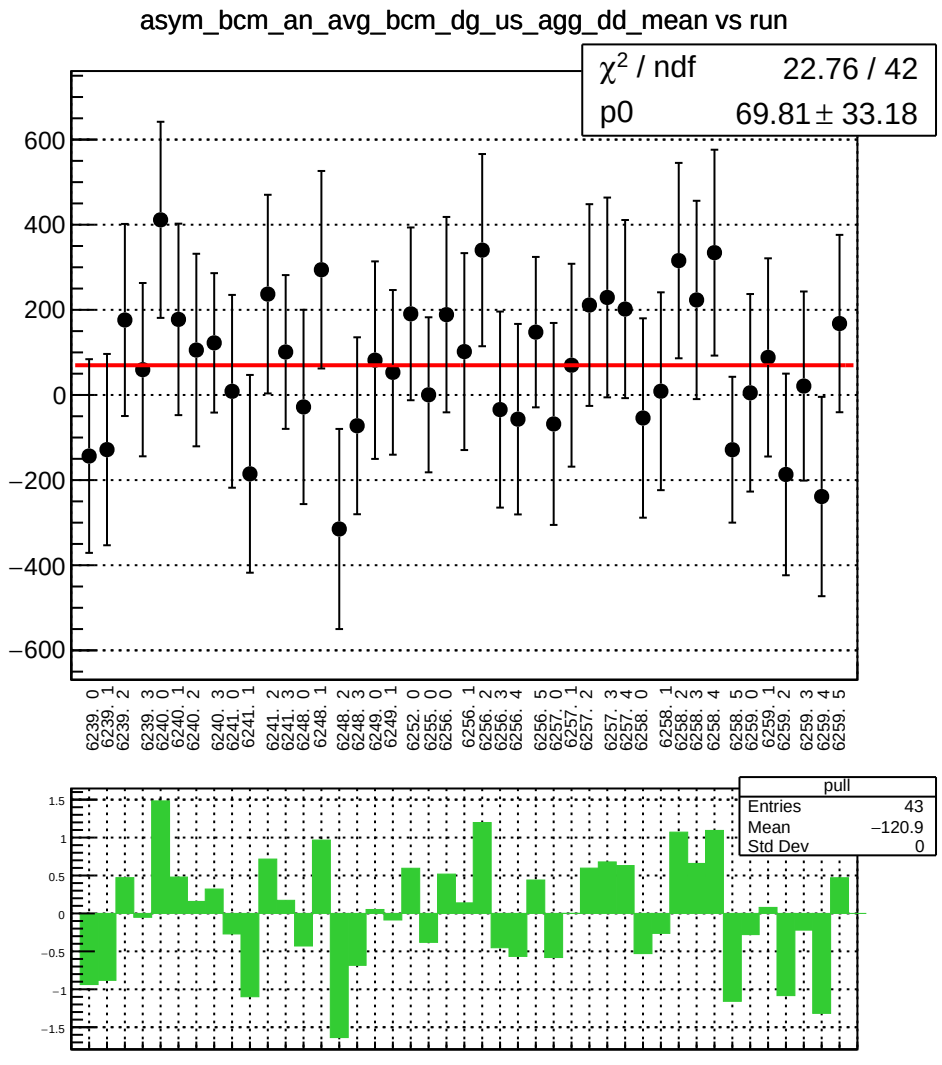

pull1D
Entries 43
Mean 0.02791
Std Dev 0.5052
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

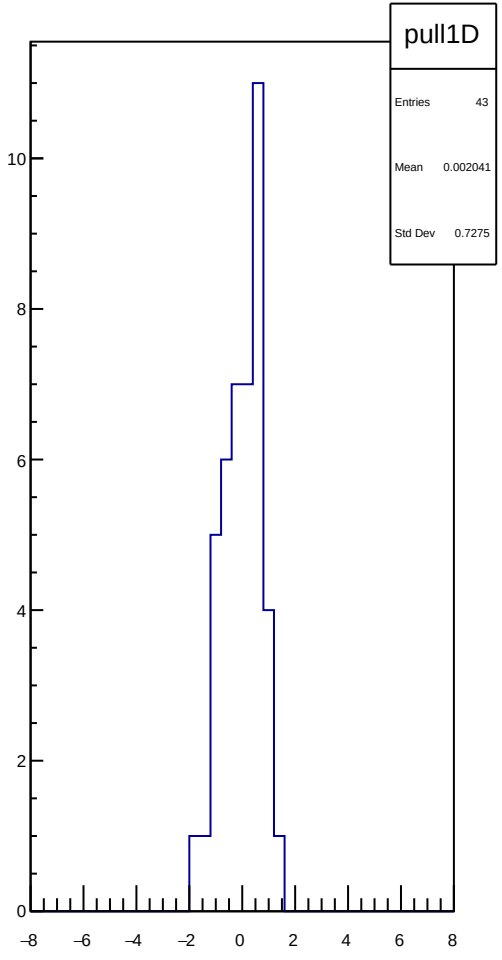

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.593e+04 / 42
p0 203.4 ± 0.2227
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

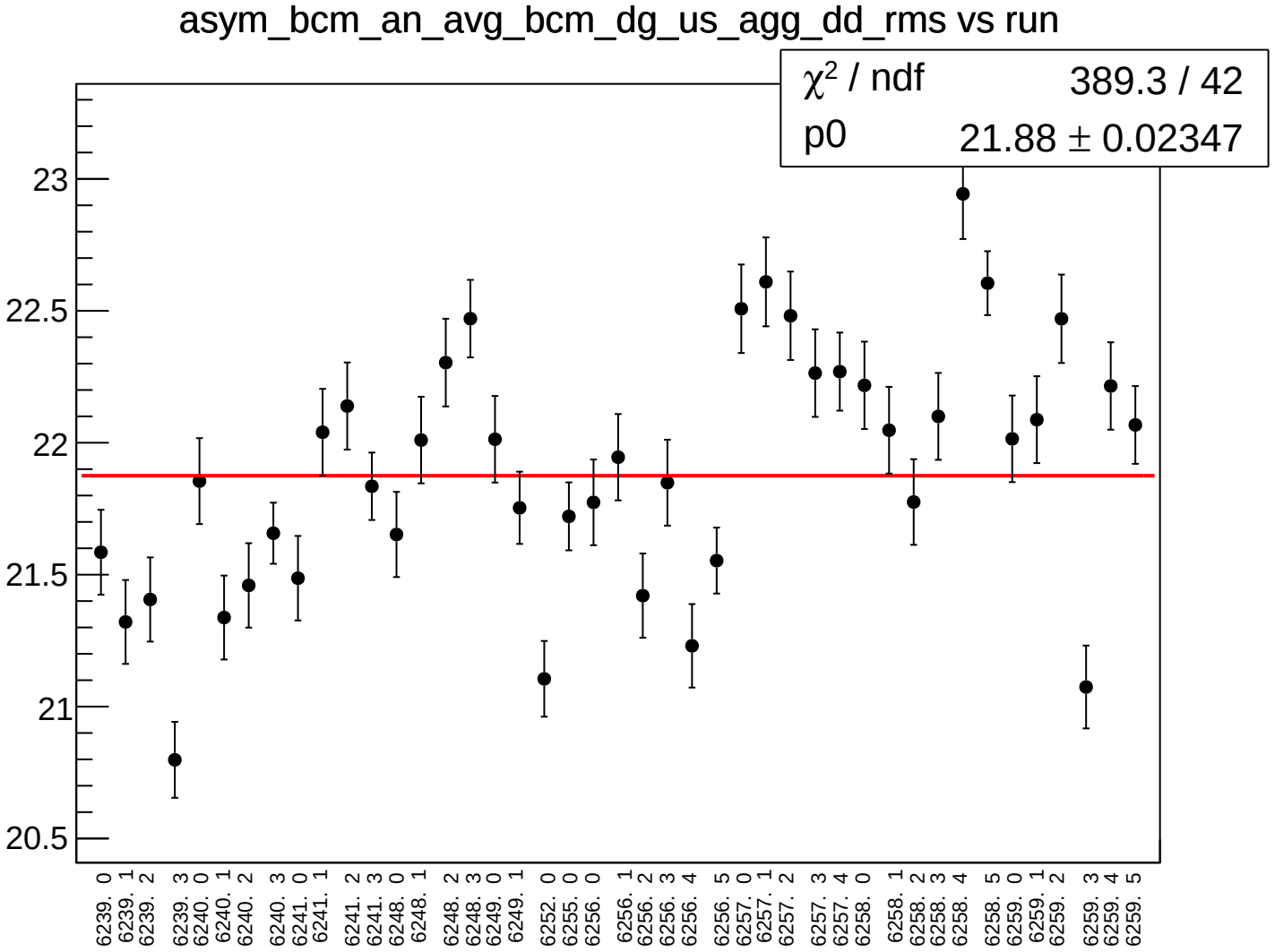

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 57.7 / 42
p0 −7.951± 25.75
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 98.09
Std Dev 0
2
1
0
−1
−2

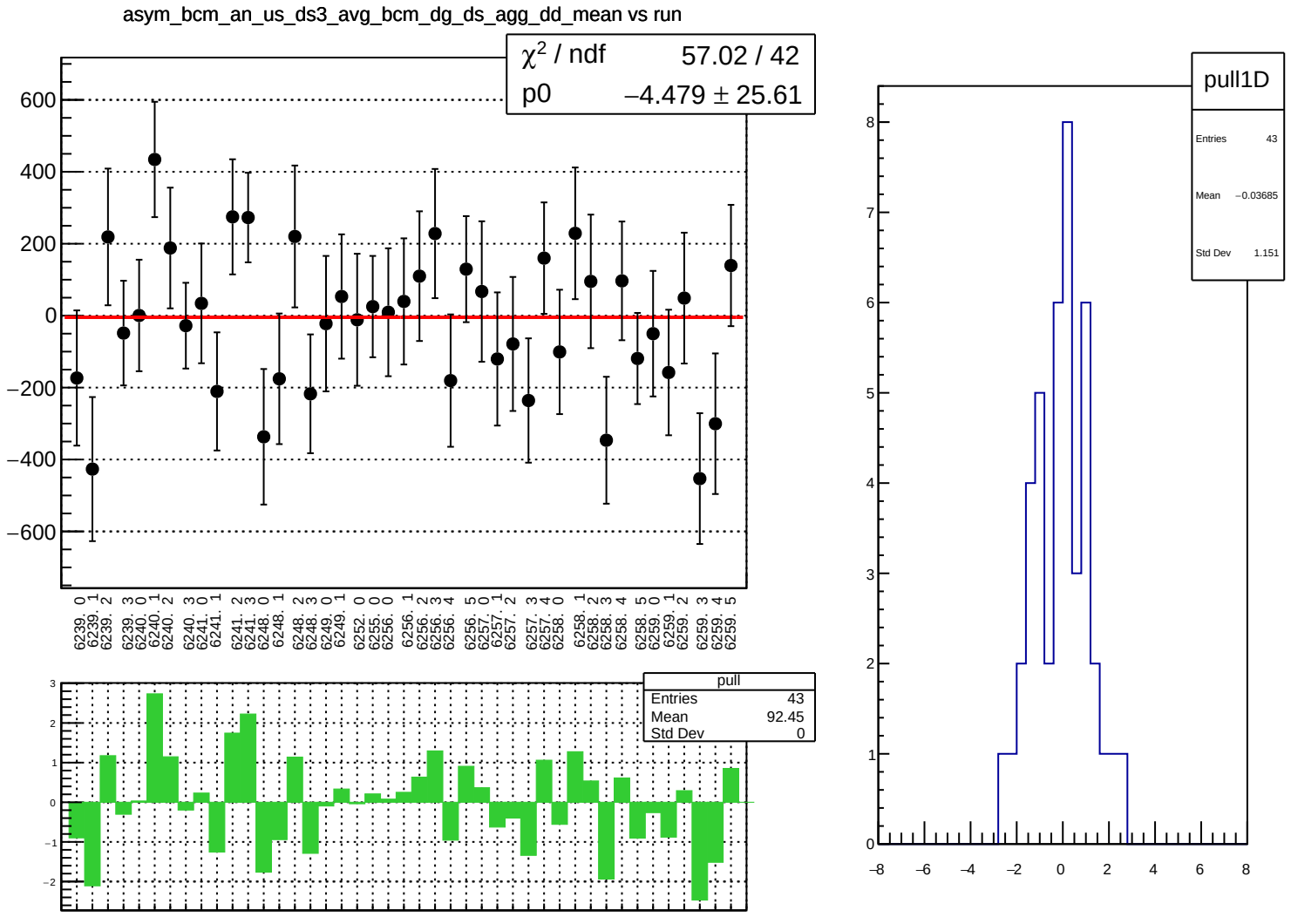

pull1D
Entries 43
Mean −0.03845
Std Dev 1.158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

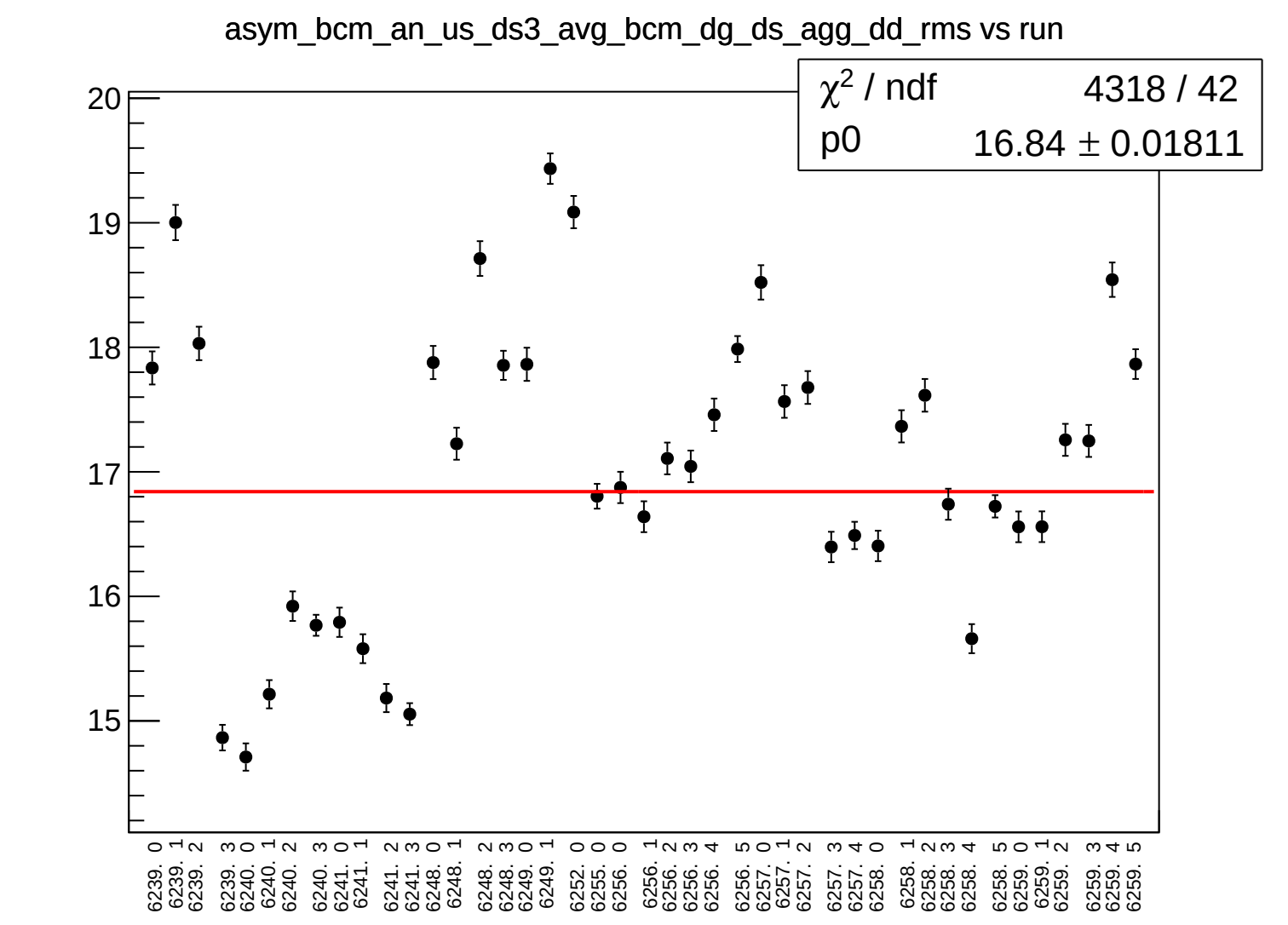

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 4190 / 42
p0 16.94 ± 0.01821
19
18
17
16
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

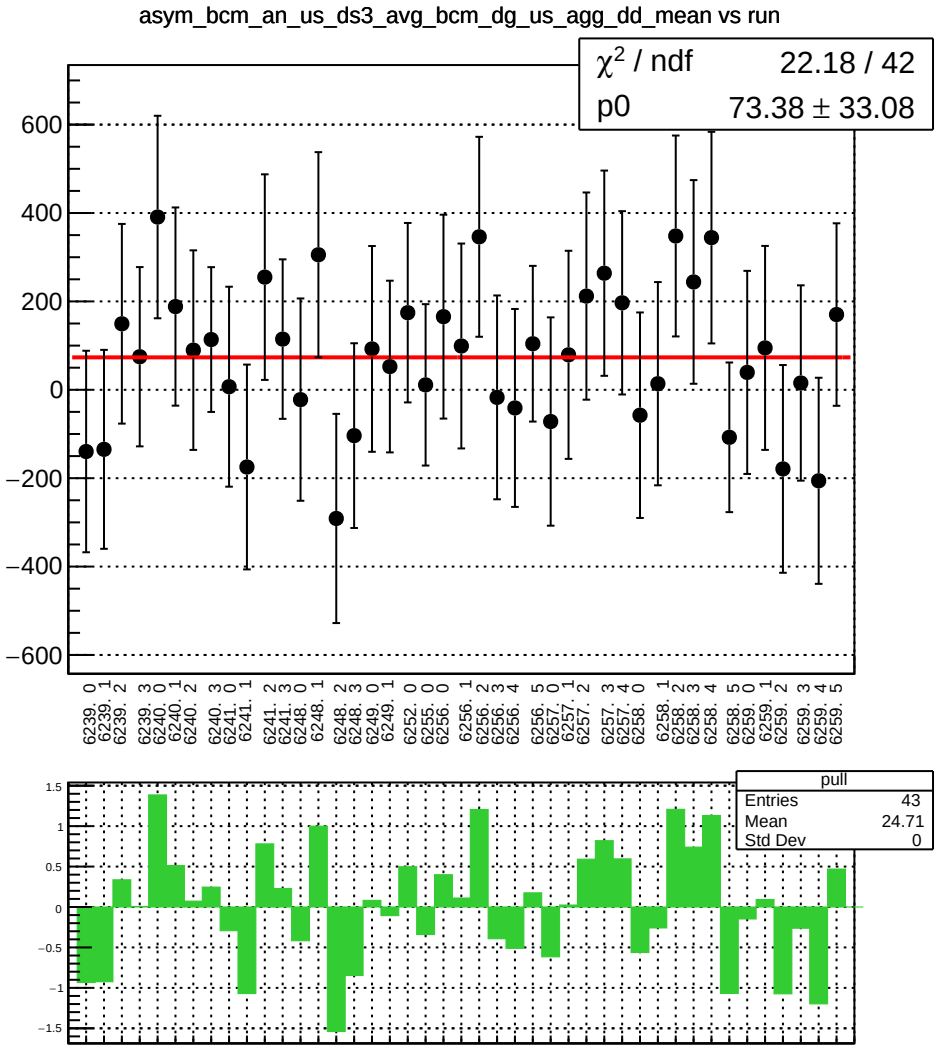

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 22.76 / 42
p0 69.81 ± 33.18
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

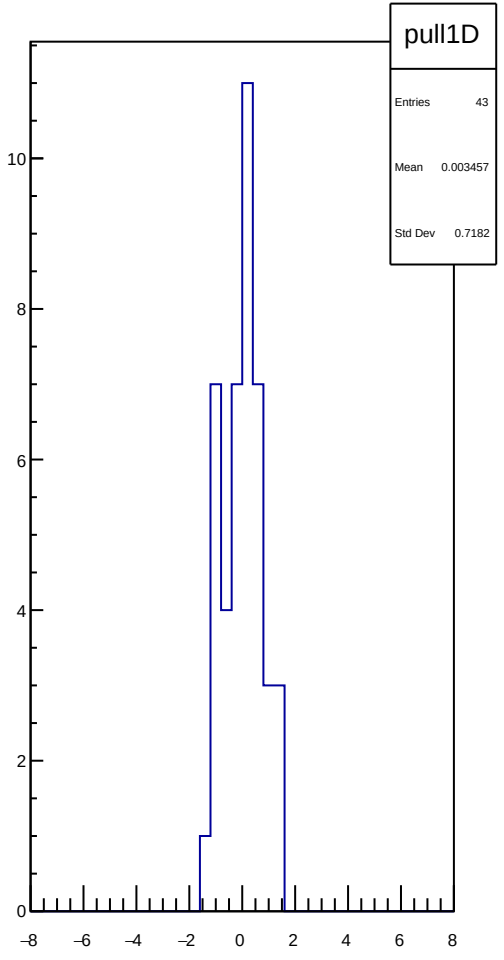

pull1D
Entries 43
Mean 0.002041
Std Dev 0.7275
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

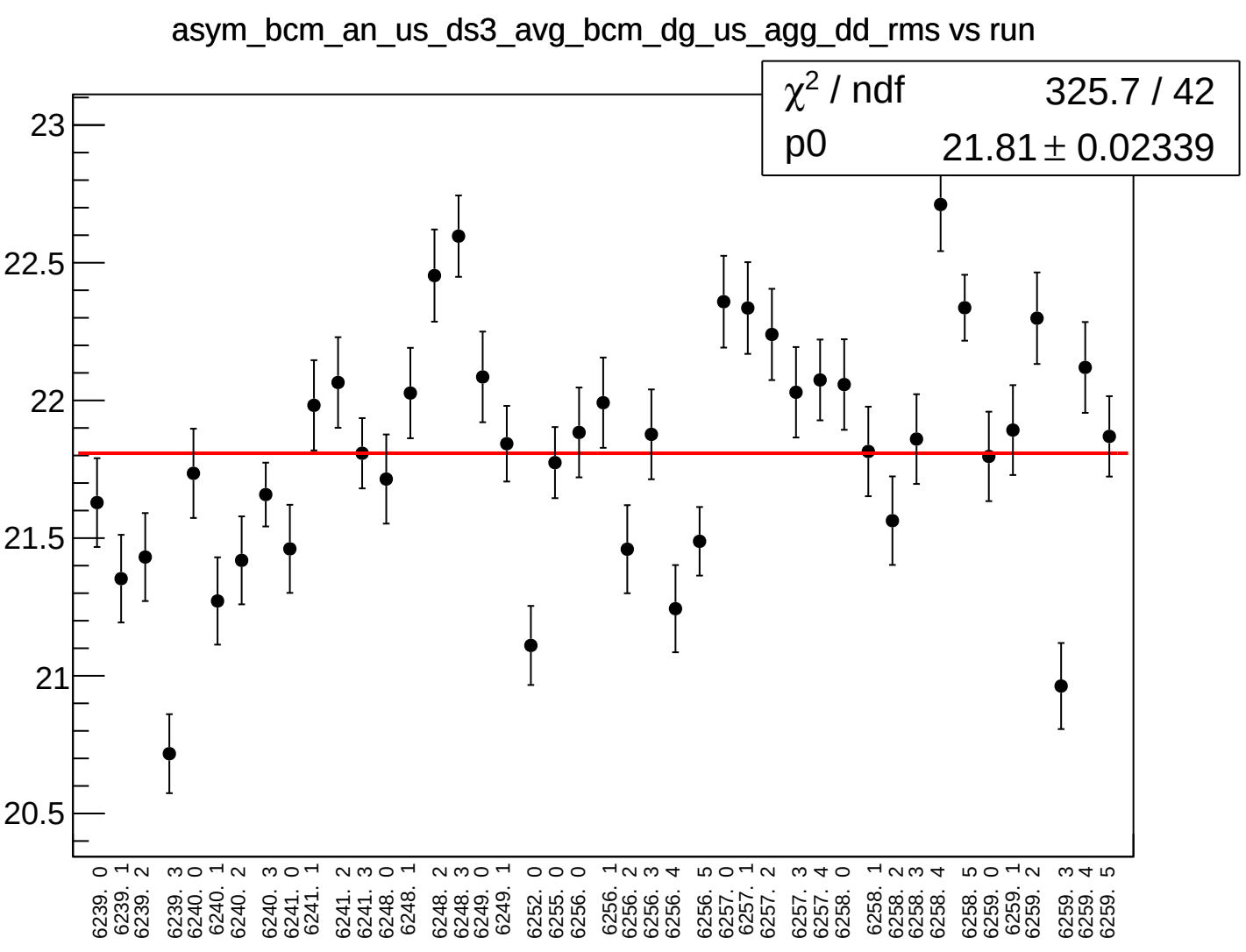

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 389.3 / 42
p0 21.88 ± 0.02347
23
22.5
22
21.5
21
20.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

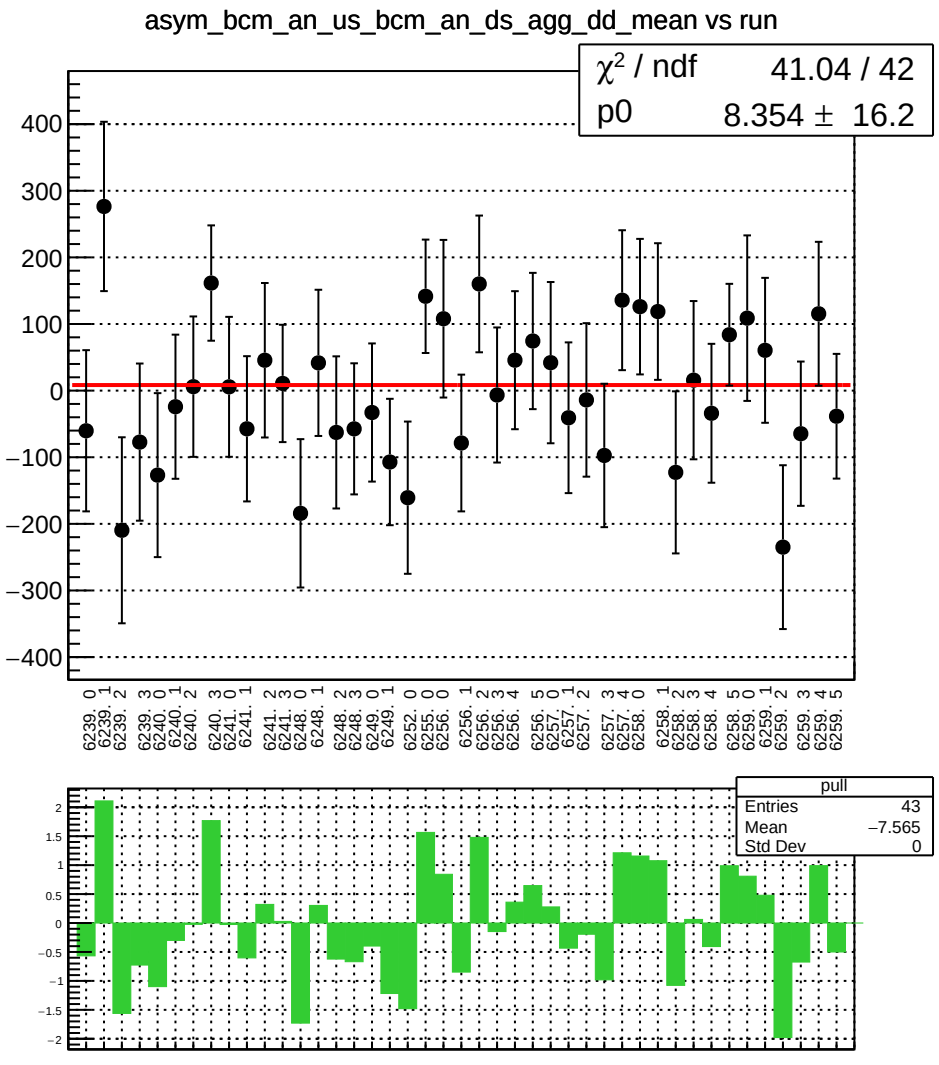

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 57.02 / 42
p0 −4.479 ± 25.61
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 92.45
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03685
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

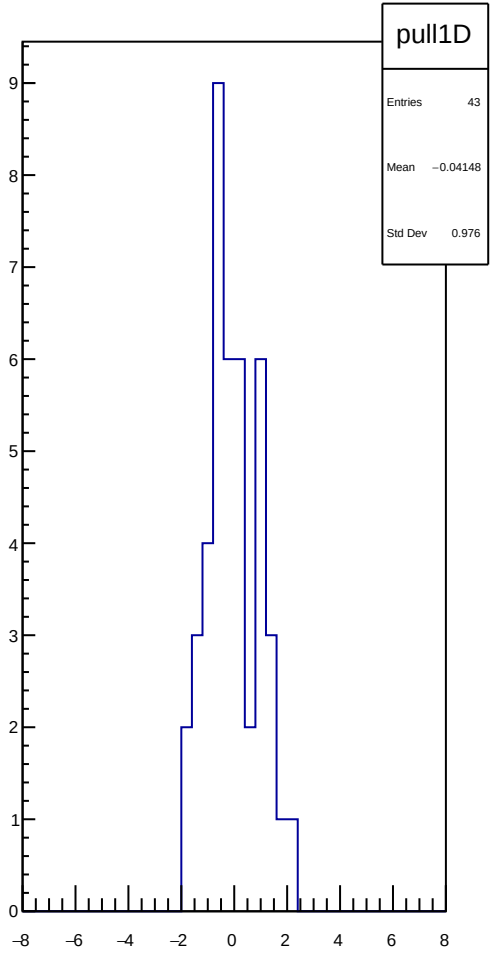

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 4318 / 42
p0 16.84 ± 0.01811
20
19
18
17
16
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

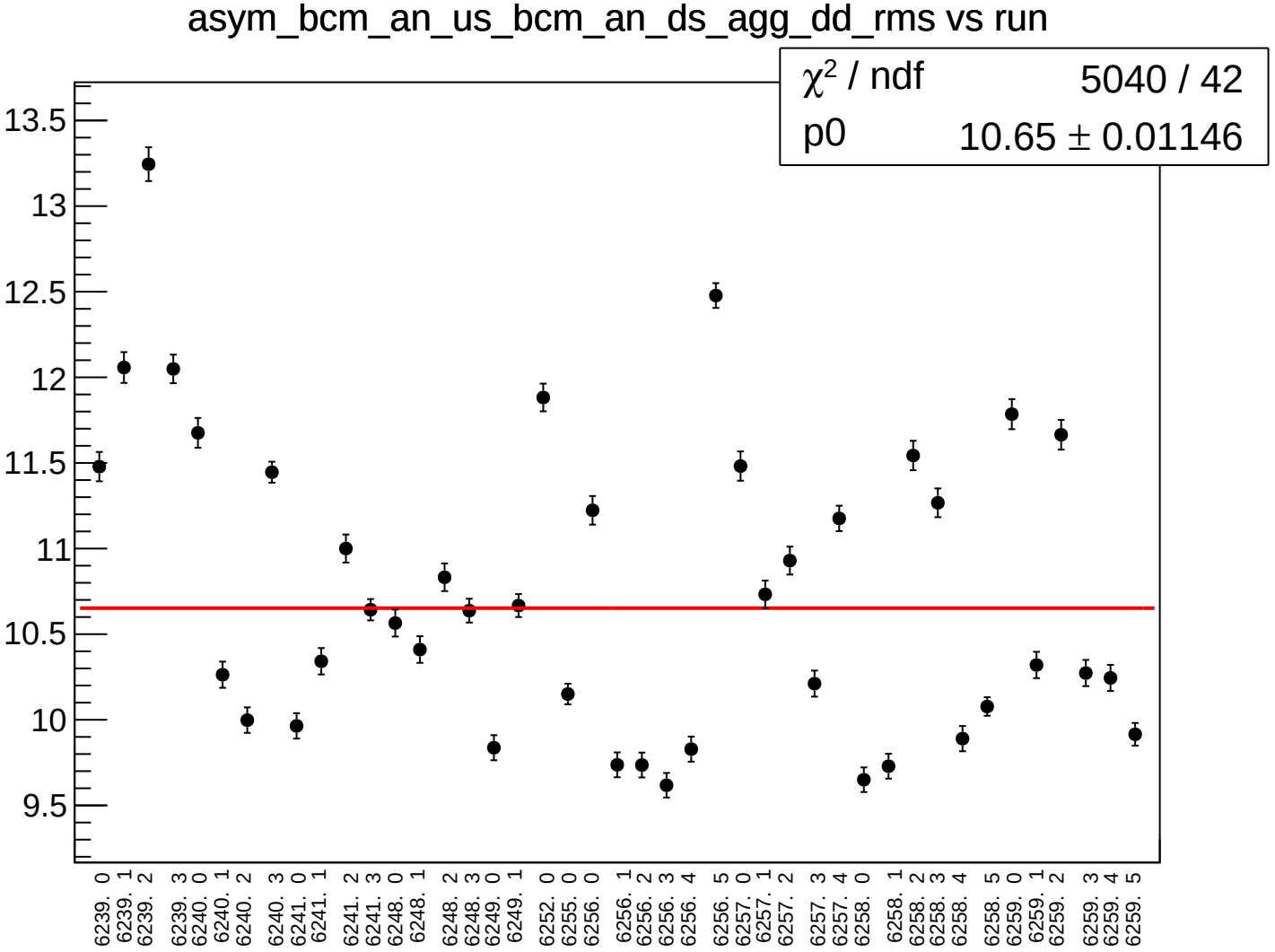

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 22.18 / 42
p0 73.38 ± 33.08
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 24.71
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

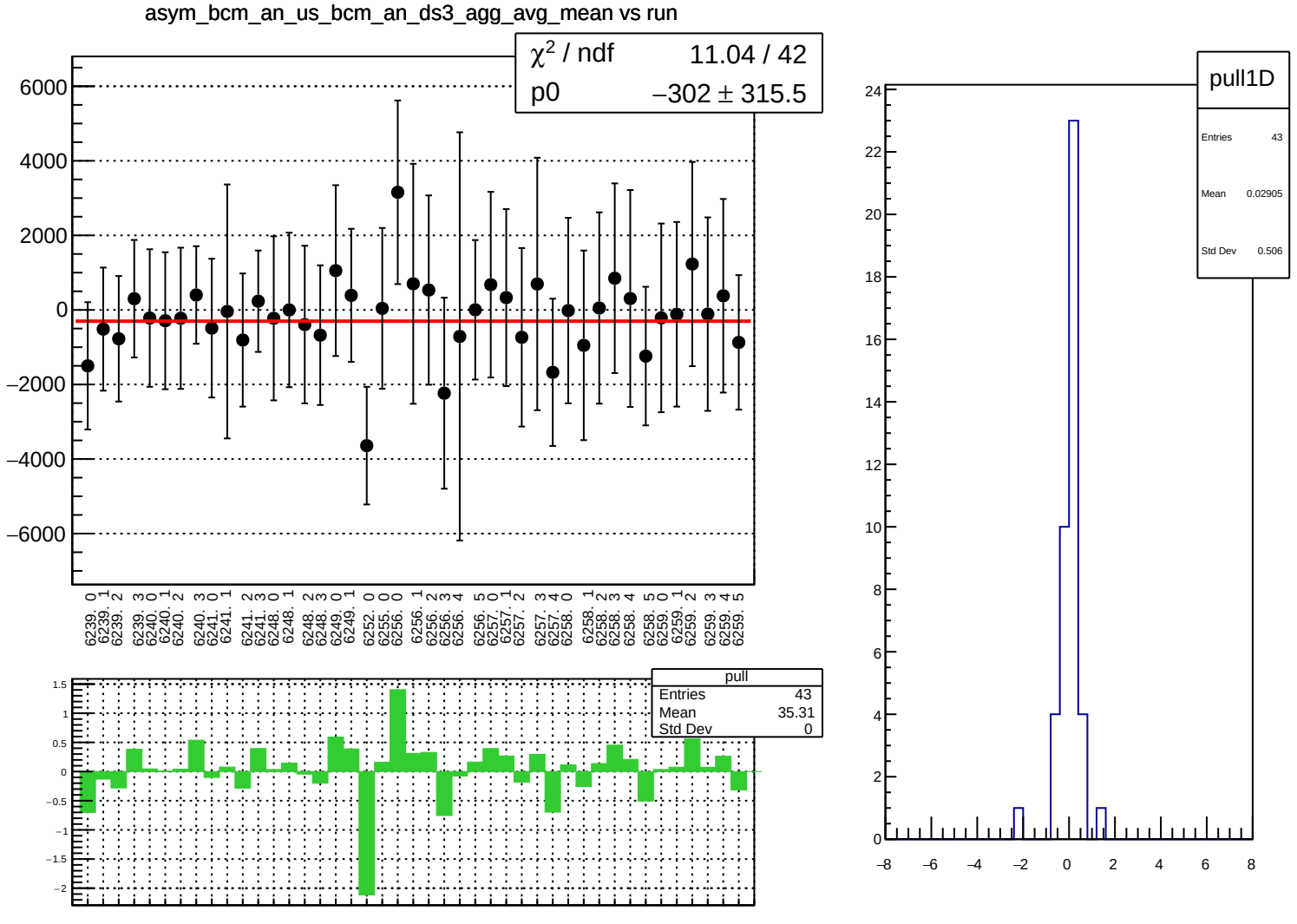

pull1D
Entries 43
Mean 0.003457
Std Dev 0.7182
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

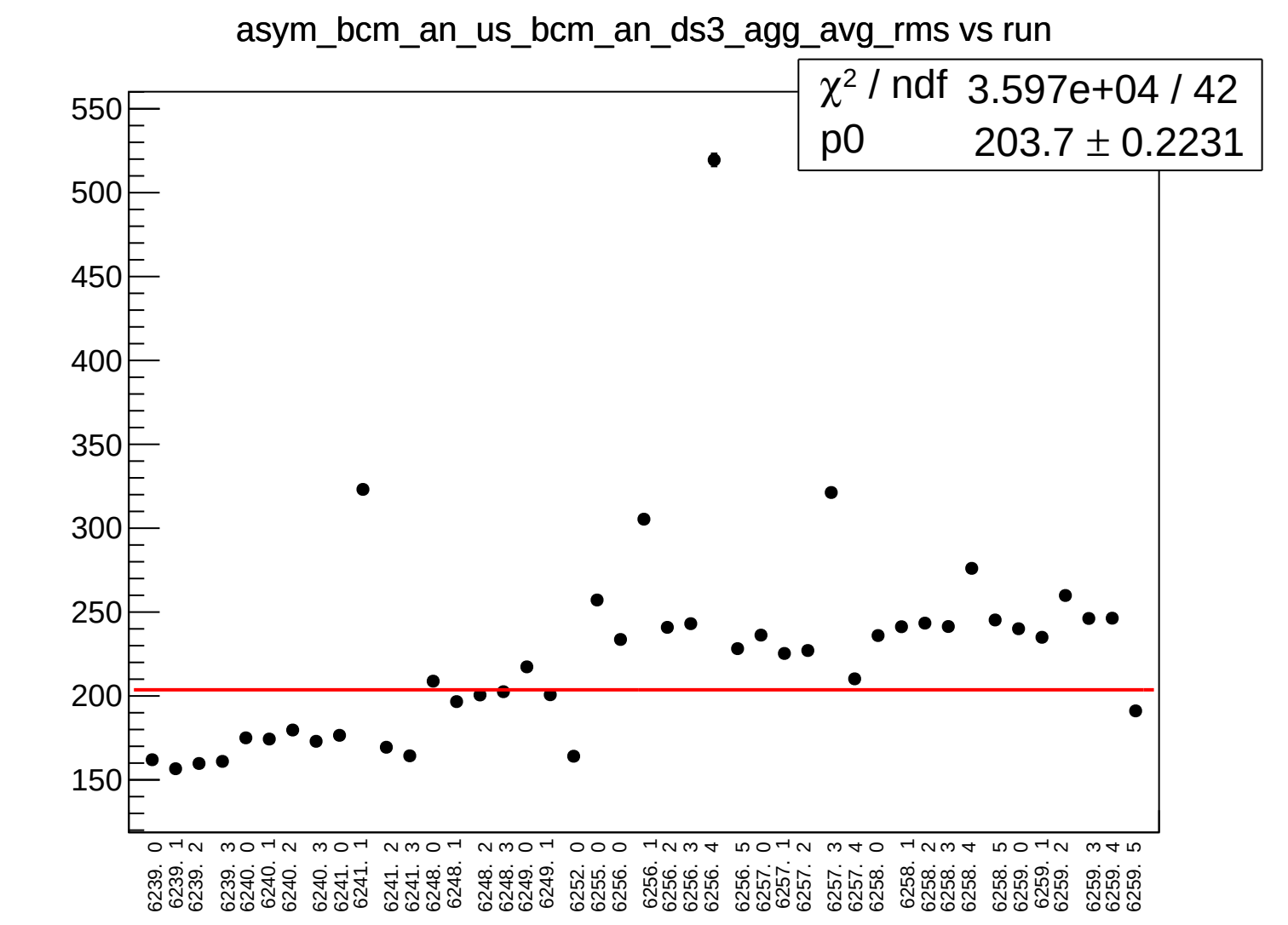

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 325.7 / 42
p0 21.81 ± 0.02339
23
22.5
22
21.5
21
20.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

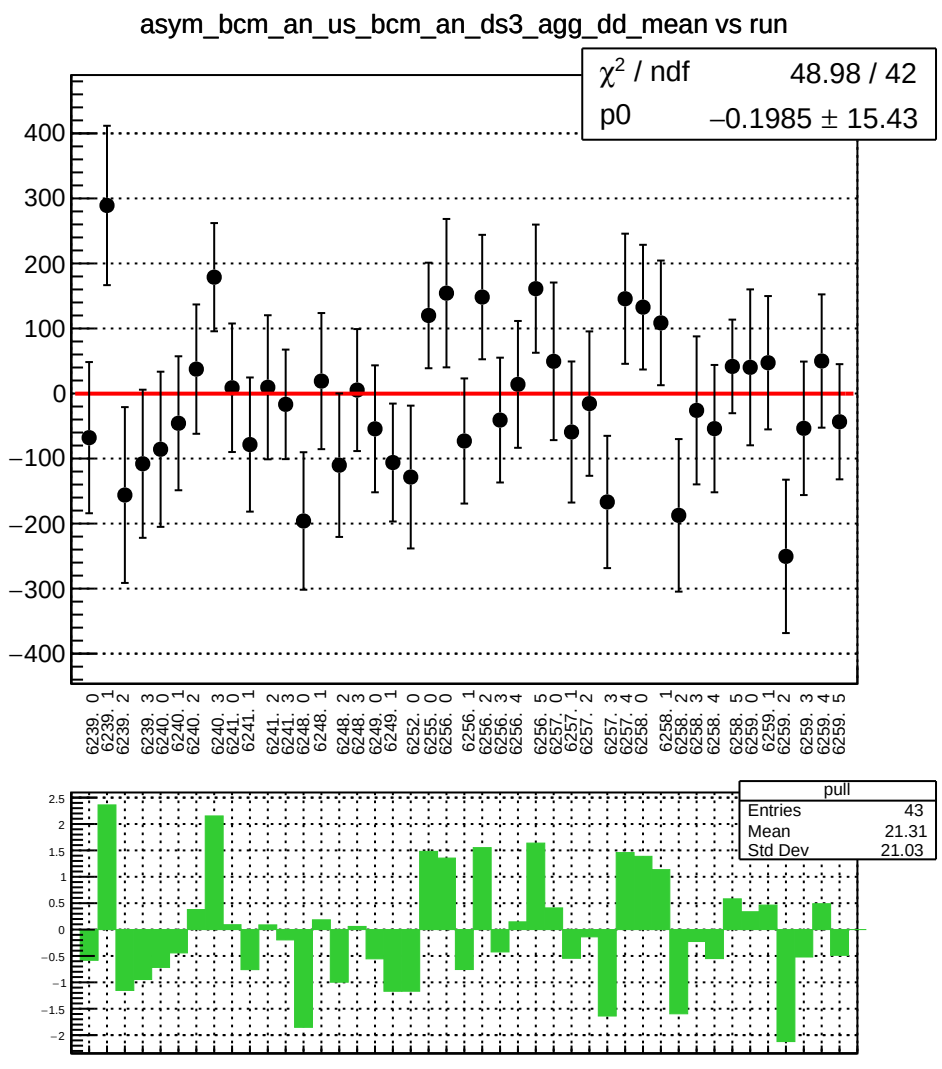

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 41.04 / 42
p0 8.354 ± 16.2
400
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −7.565
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

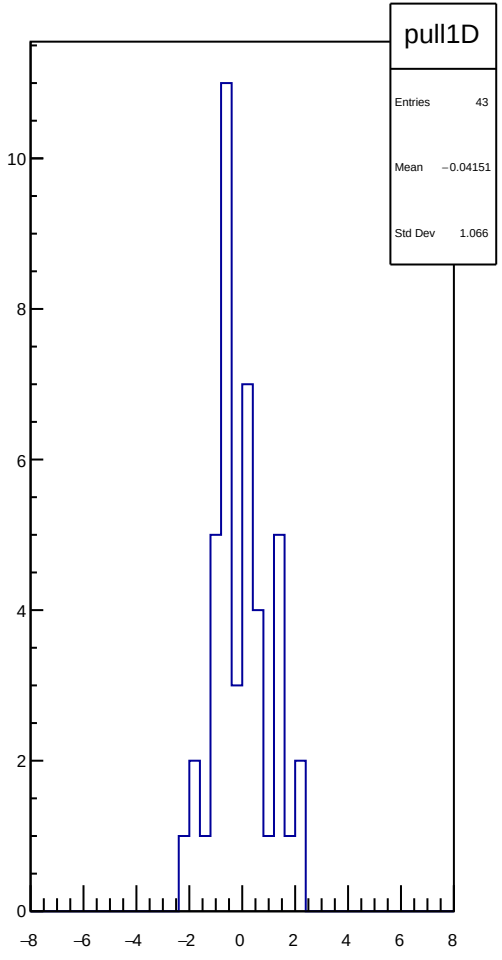

pull1D
Entries 43
Mean −0.04148
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

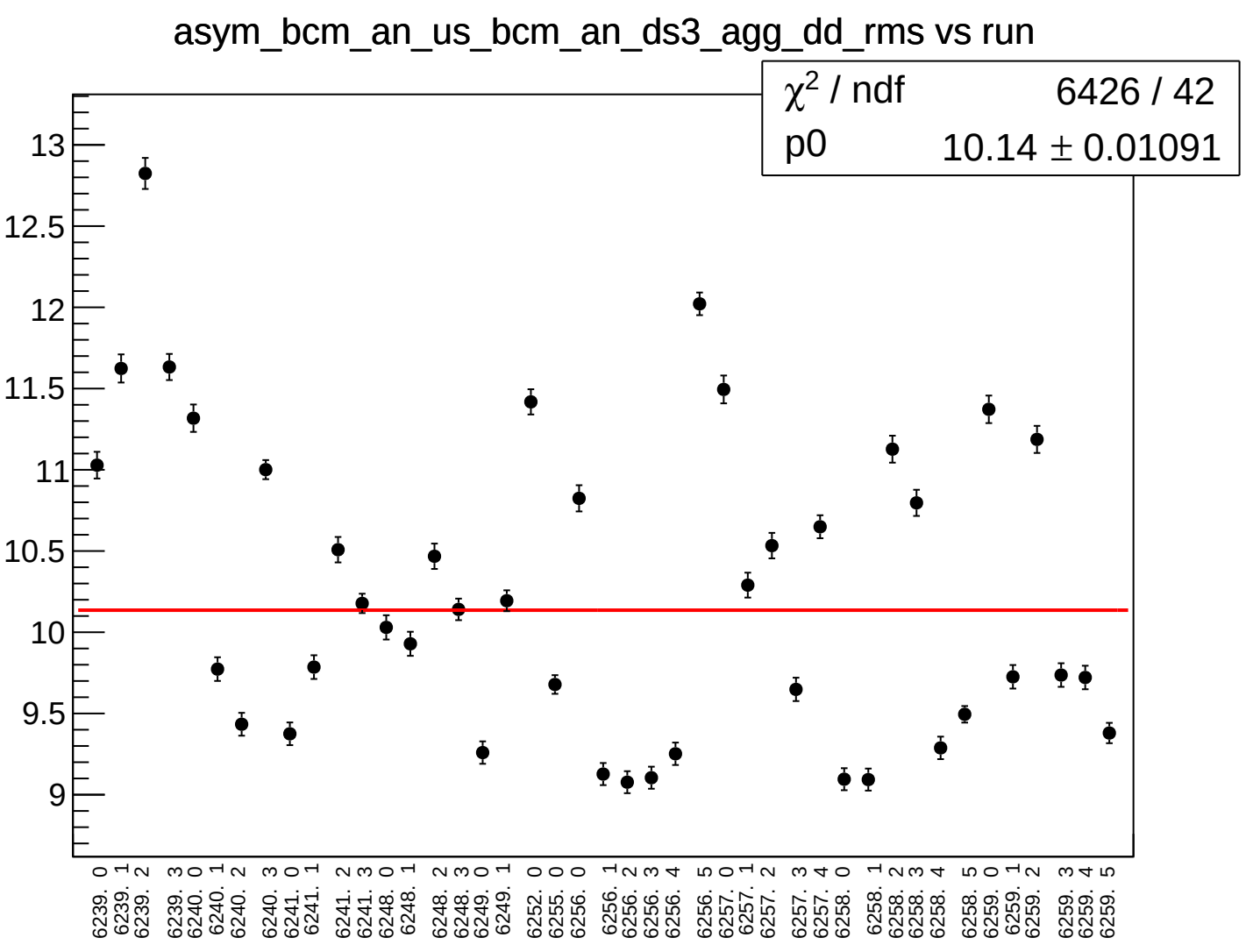

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 5040 / 42
p0 10.65 ± 0.01146
13.5
13
12.5
12
11.5
11
10.5
10
9.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

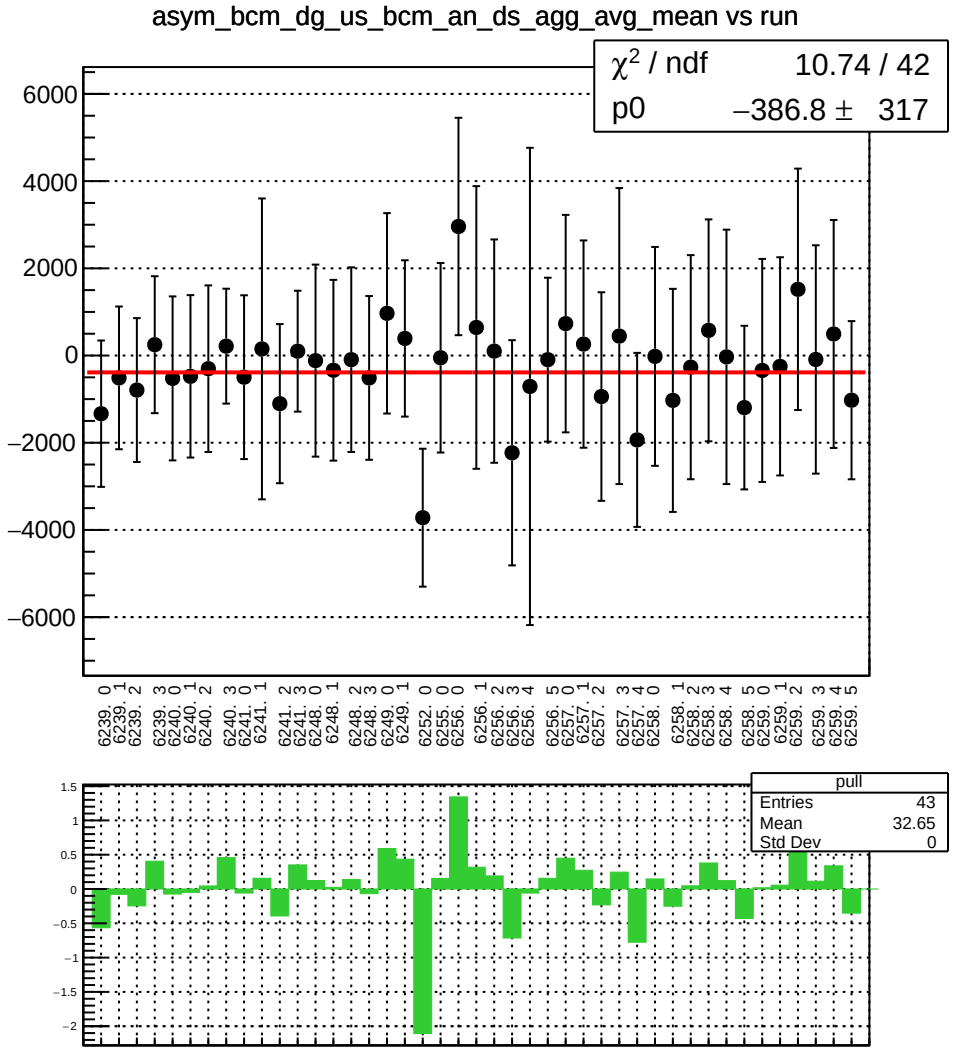

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 11.04 / 42
p0 −302 ± 315.5
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02905
Std Dev 0.506
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

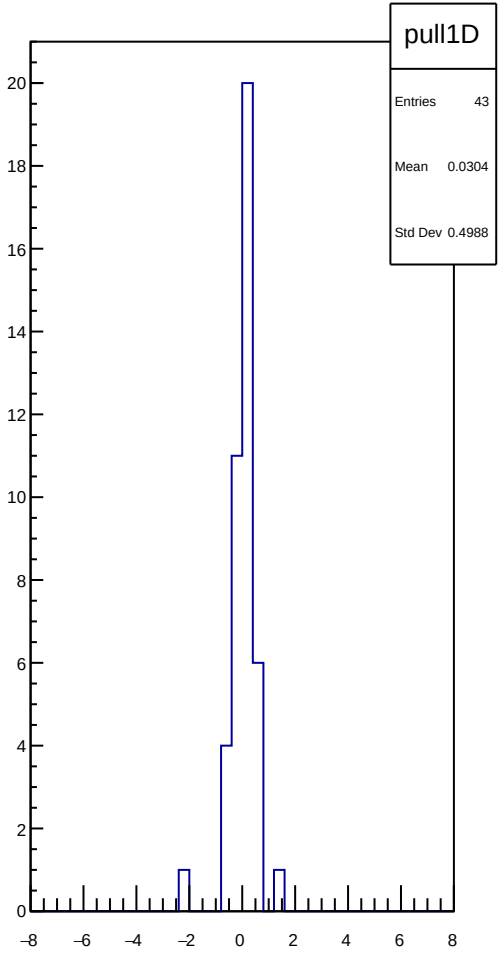

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.597e+04 / 42
p0 203.7 ± 0.2231
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

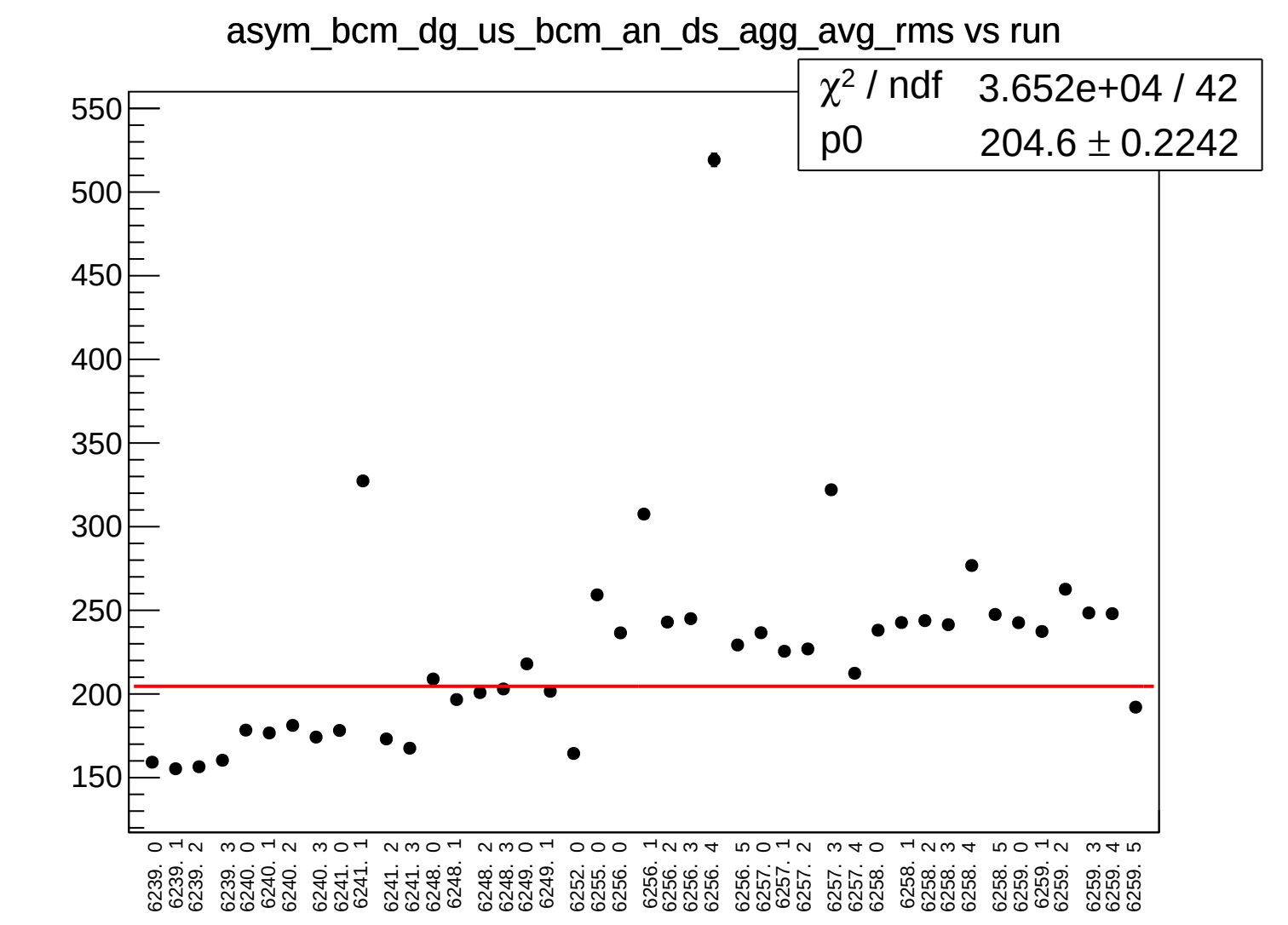

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 48.98 / 42
p0 −0.1985 ± 15.43
400
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.31
Std Dev 21.03
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

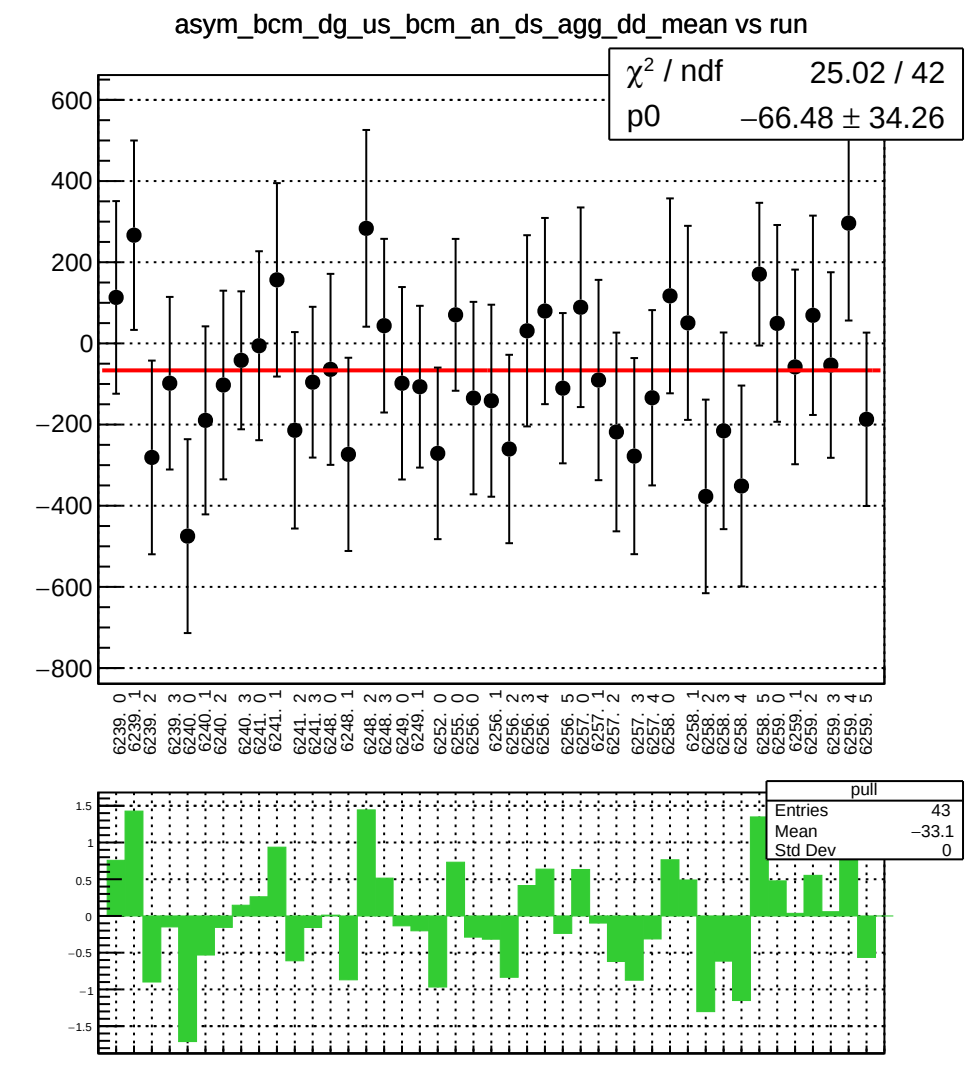

pull1D
Entries 43
Mean −0.04151
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

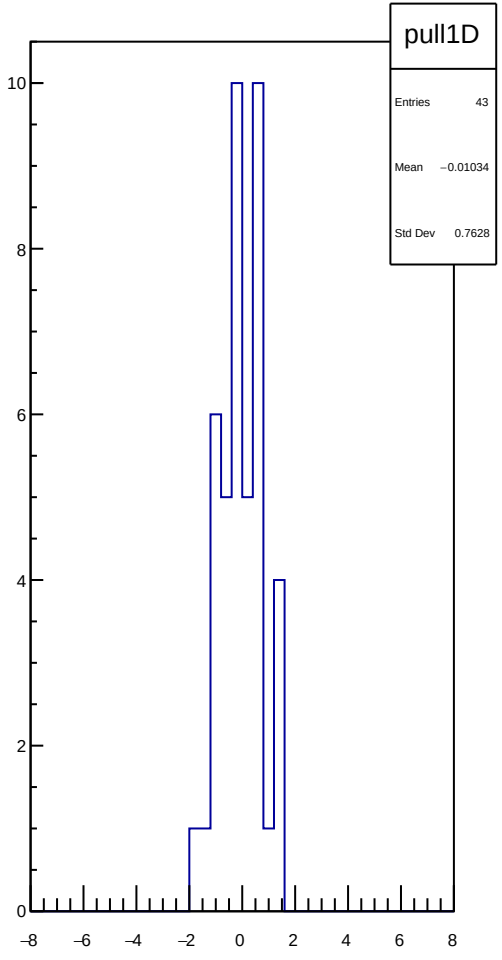

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 6426 / 42
p0 10.14 ± 0.01091
13
12.5
12
11.5
11
10.5
10
9.5
9
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

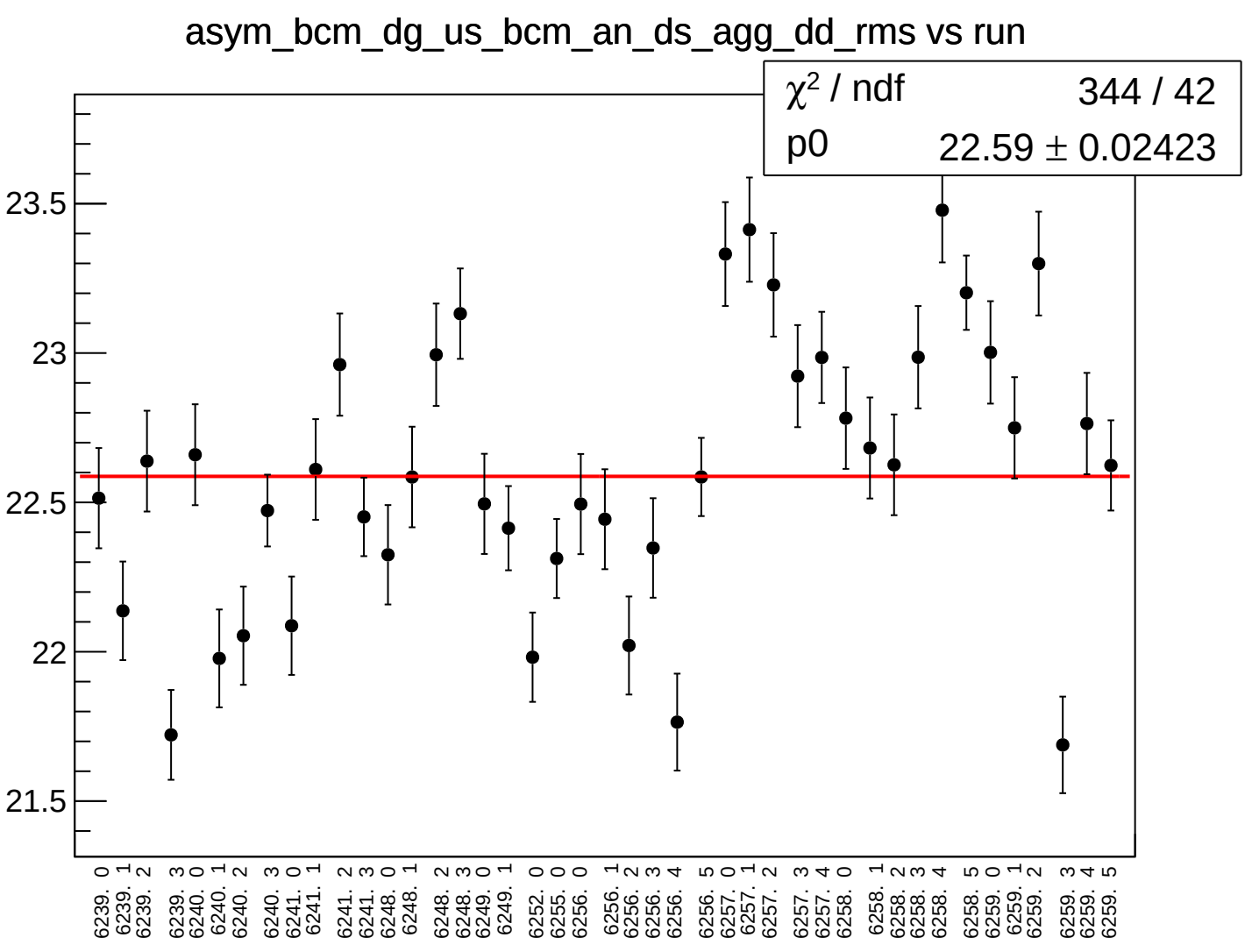

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.74 / 42
p0 −386.8 ± 317
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 32.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

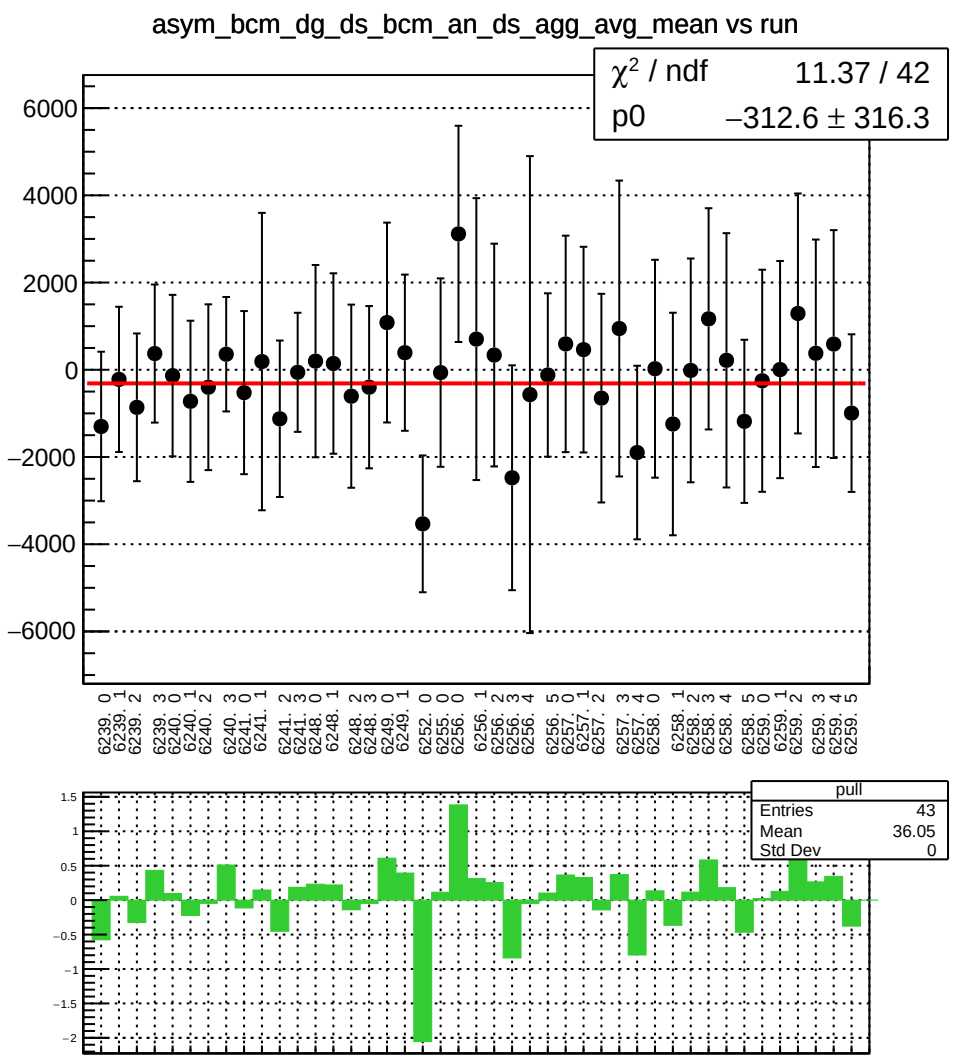

pull1D
Entries 43
Mean 0.0304
Std Dev 0.4988
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

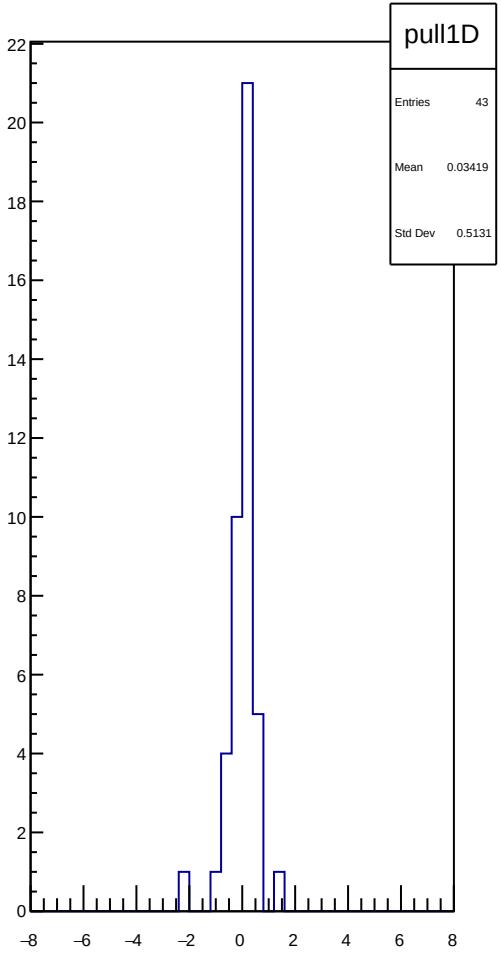

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.652e+04 / 42
p0 204.6 ± 0.2242
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

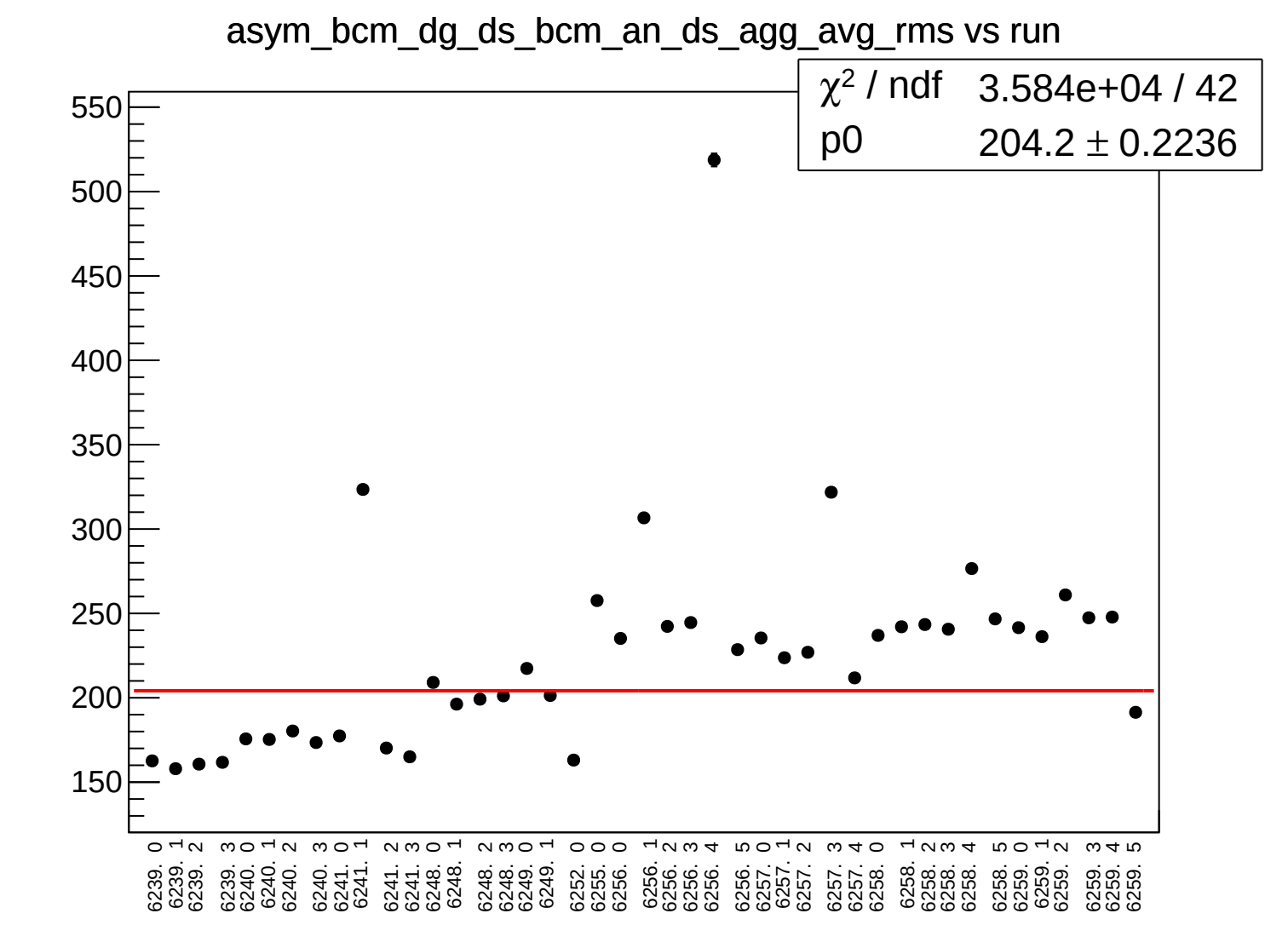

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 25.02 / 42
p0 −66.48 ± 34.26
600
400
200
0
−200
−400
−600
−800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −33.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

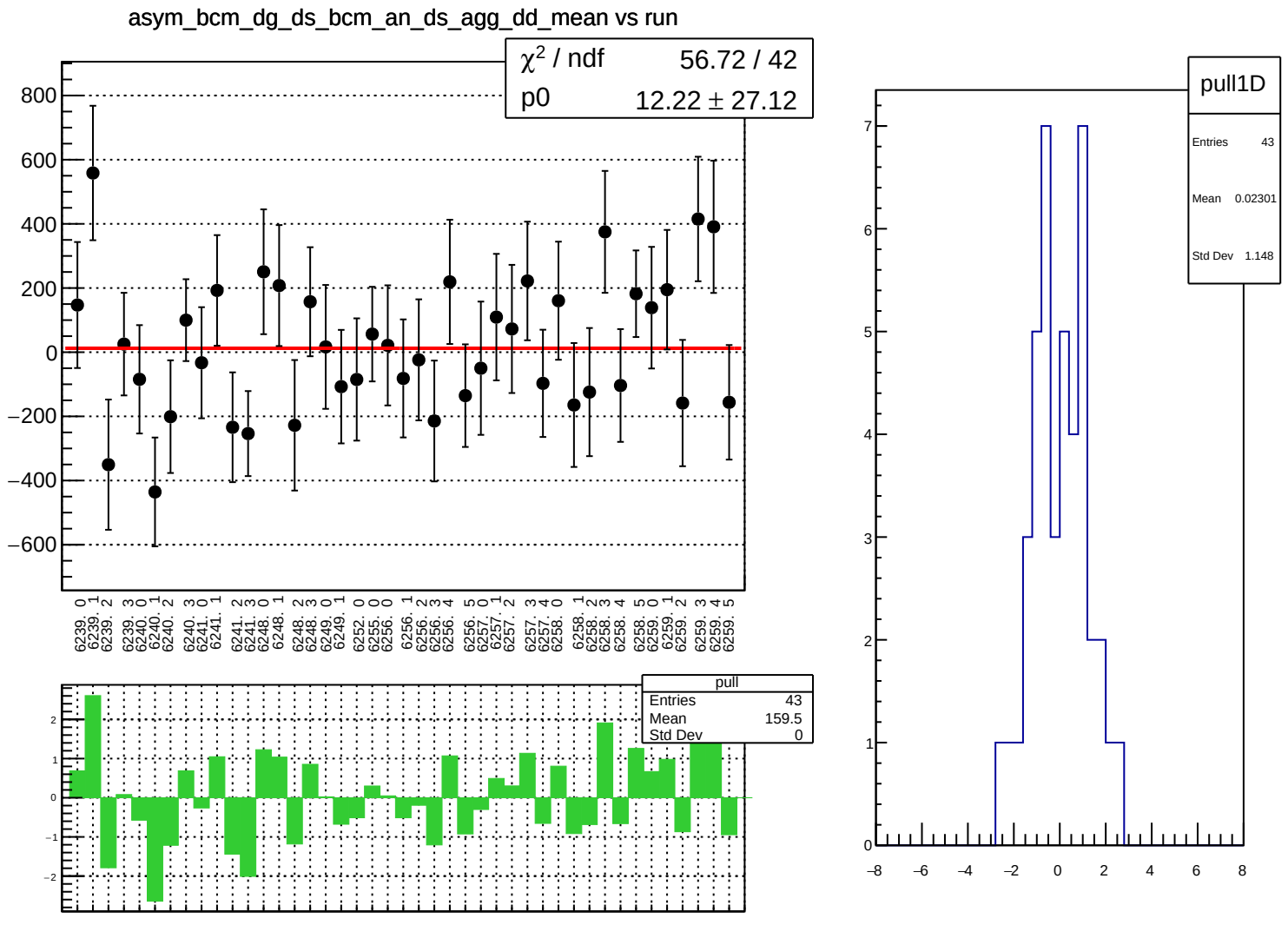

pull1D
Entries 43
Mean −0.01034
Std Dev 0.7628
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

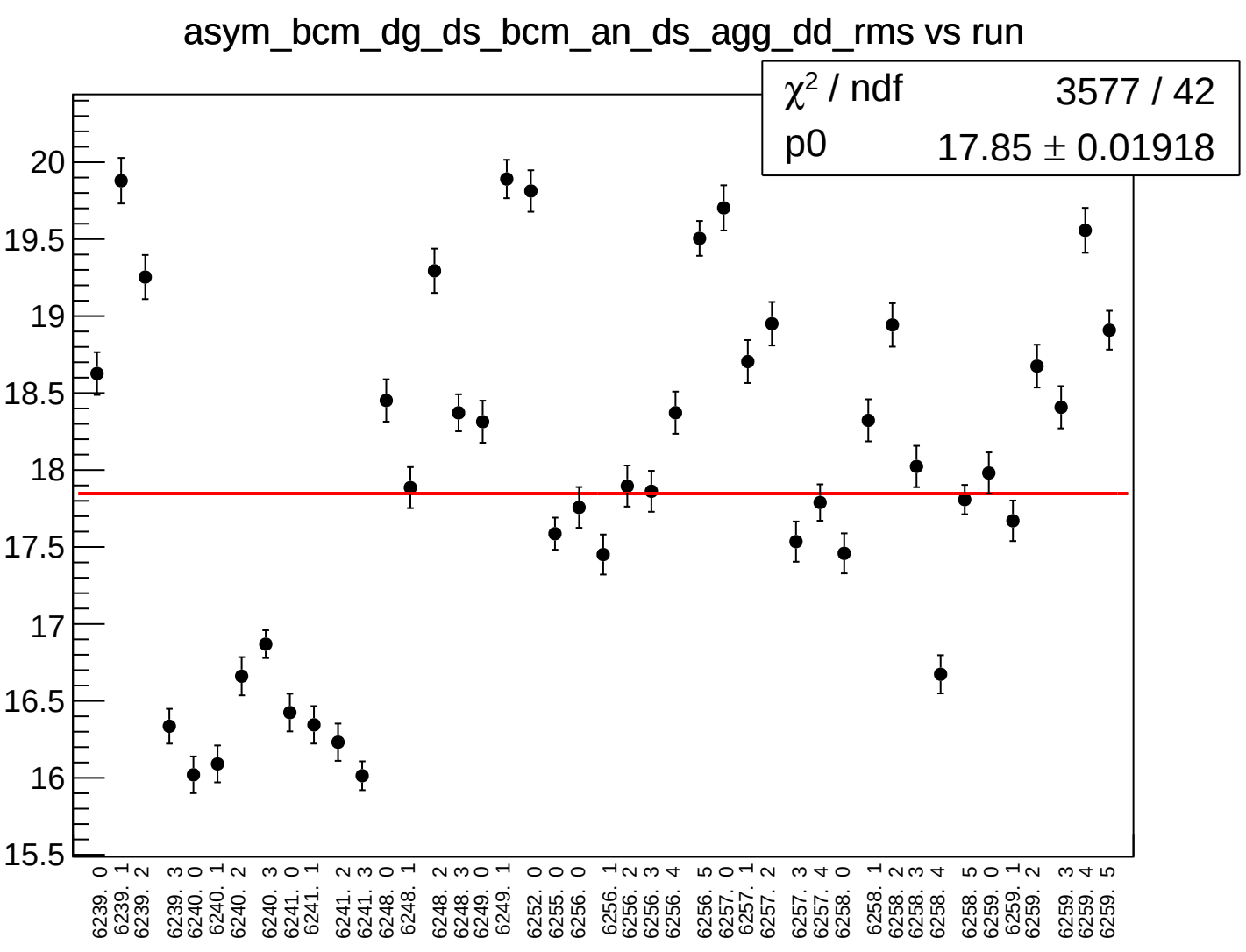

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 344 / 42
p0 22.59 ± 0.02423
23.5
23
22.5
22
21.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

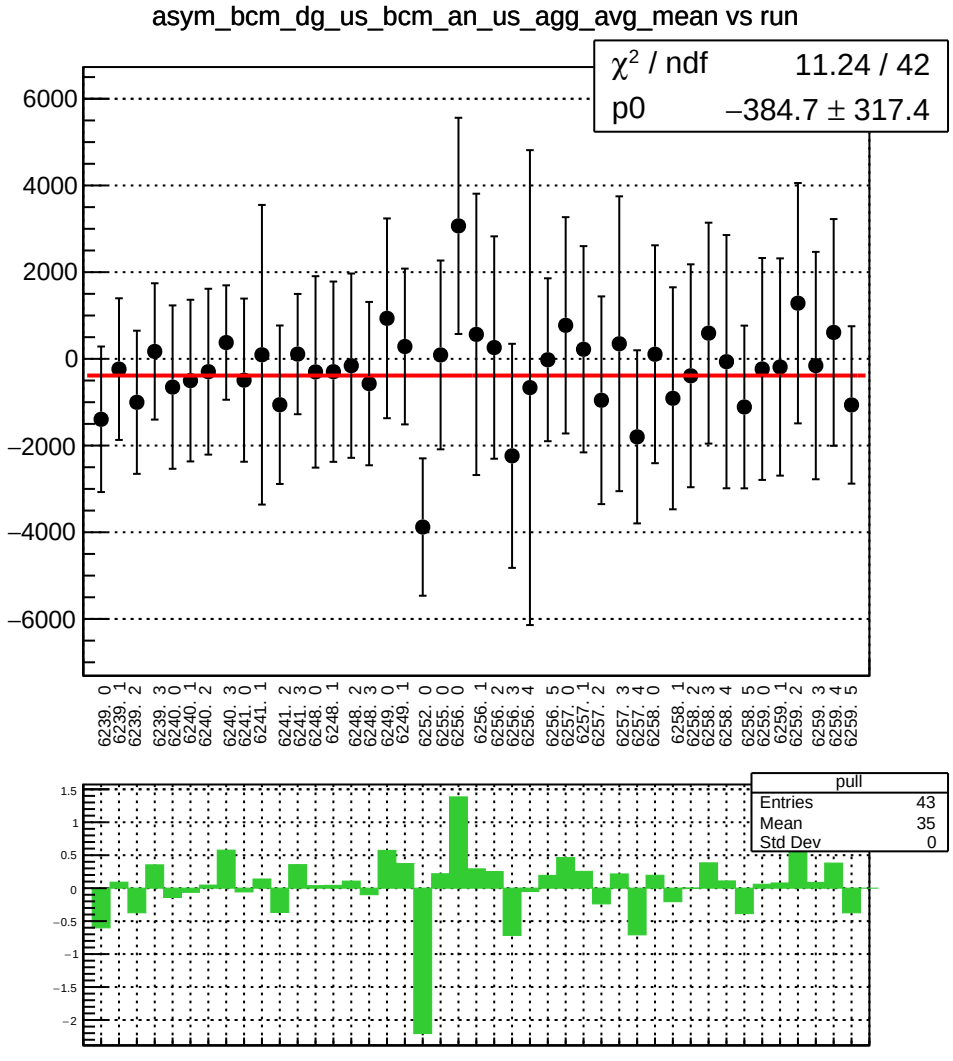

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.37 / 42
p0 −312.6 ± 316.3
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

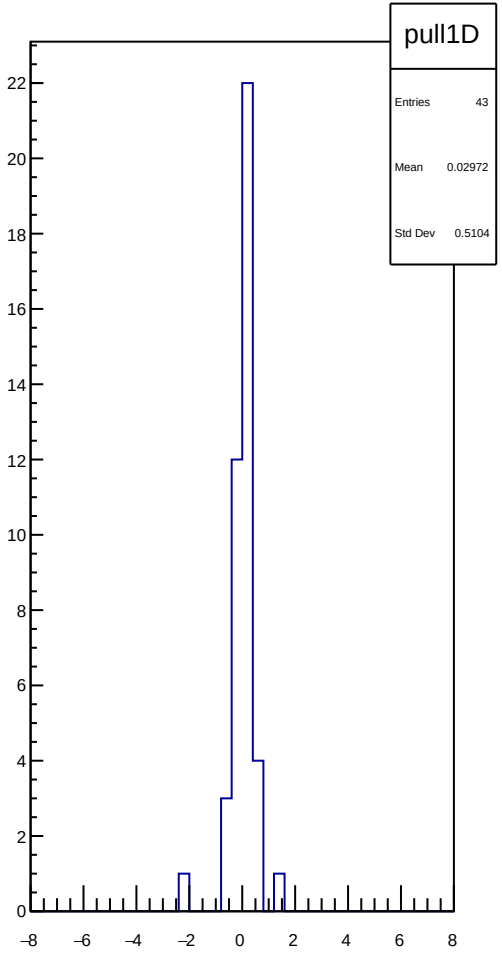

pull1D
Entries 43
Mean 0.03419
Std Dev 0.5131
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

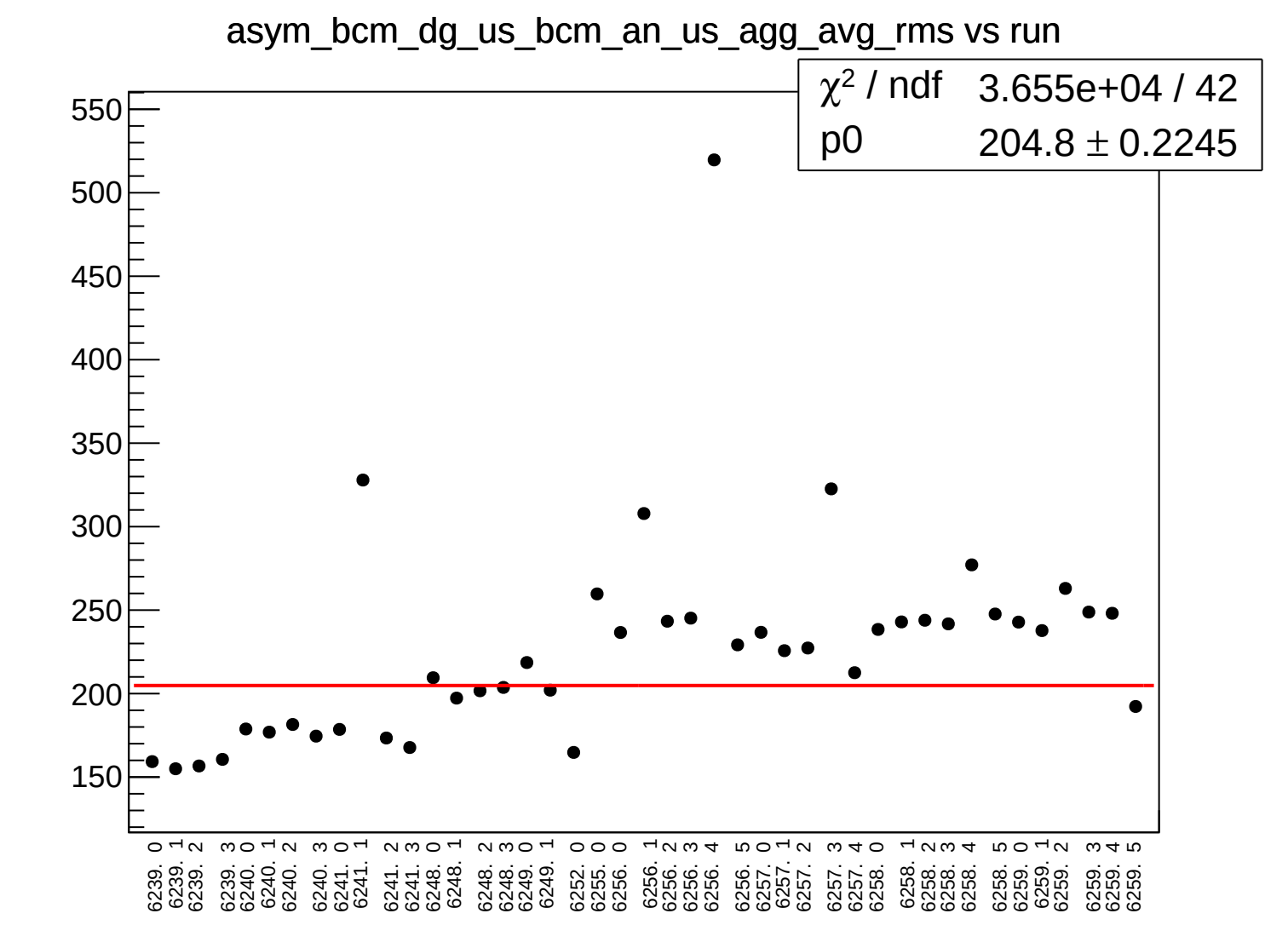

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.584e+04 / 42
p0 204.2 ± 0.2236
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

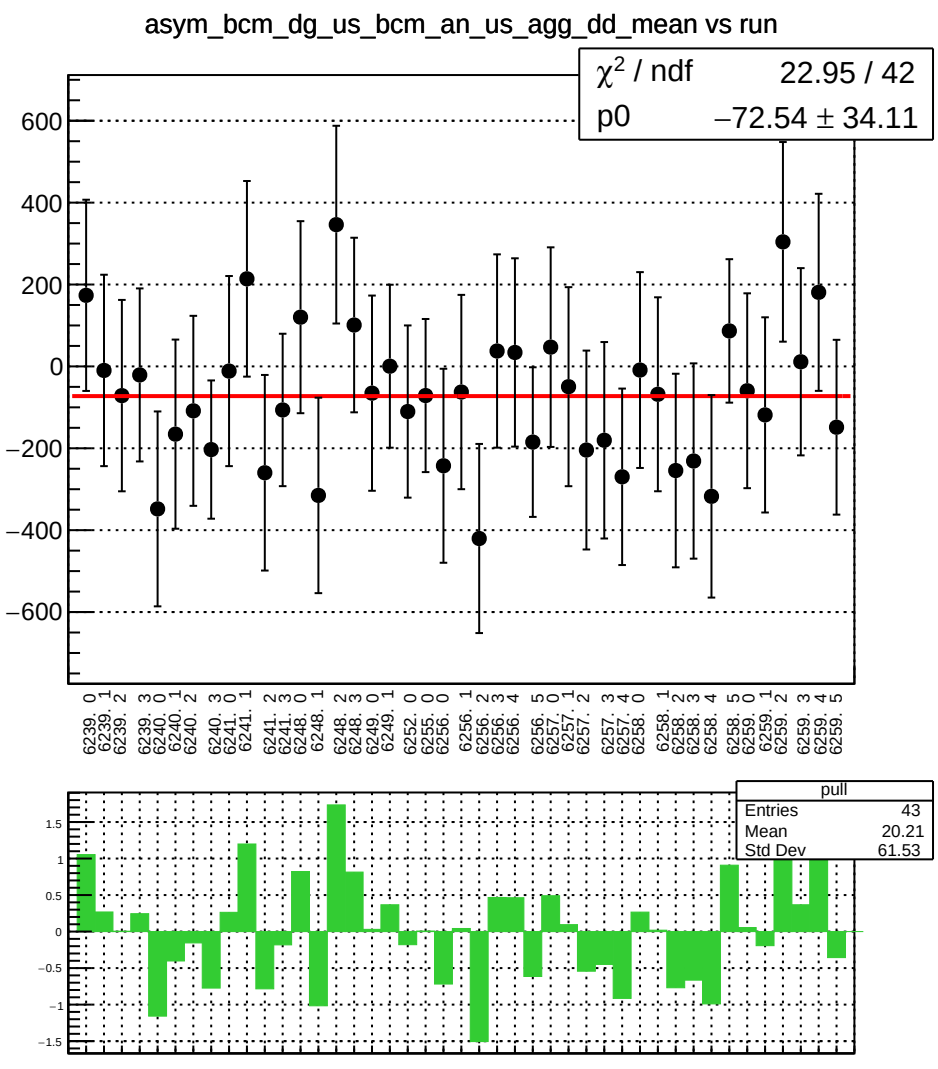

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 56.72 / 42
p0 12.22 ± 27.12
800
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 159.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02301
Std Dev 1.148
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

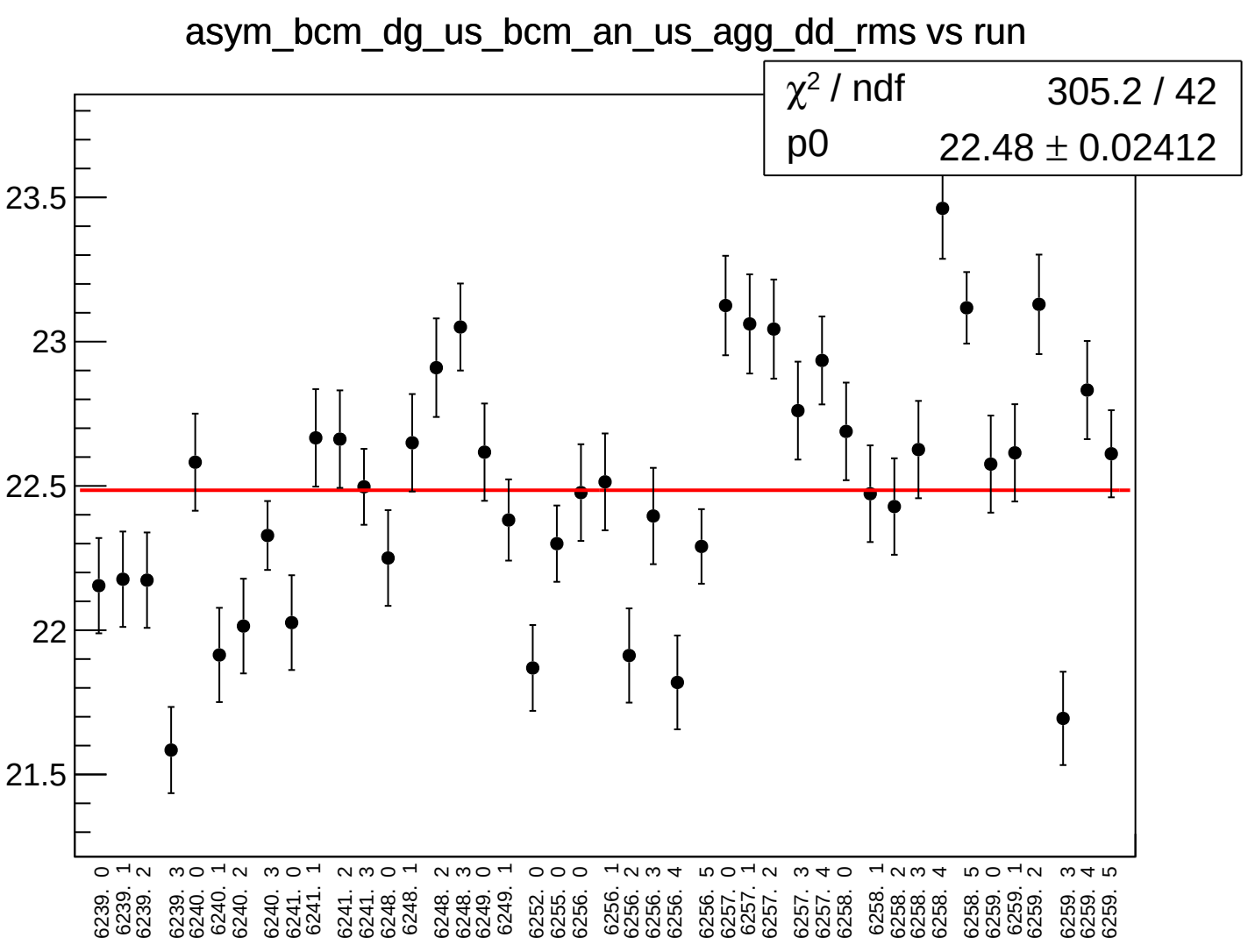

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3577 / 42
p0 17.85 ± 0.01918
20
19.5
19
18.5
18
17.5
17
16.5
16
15.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

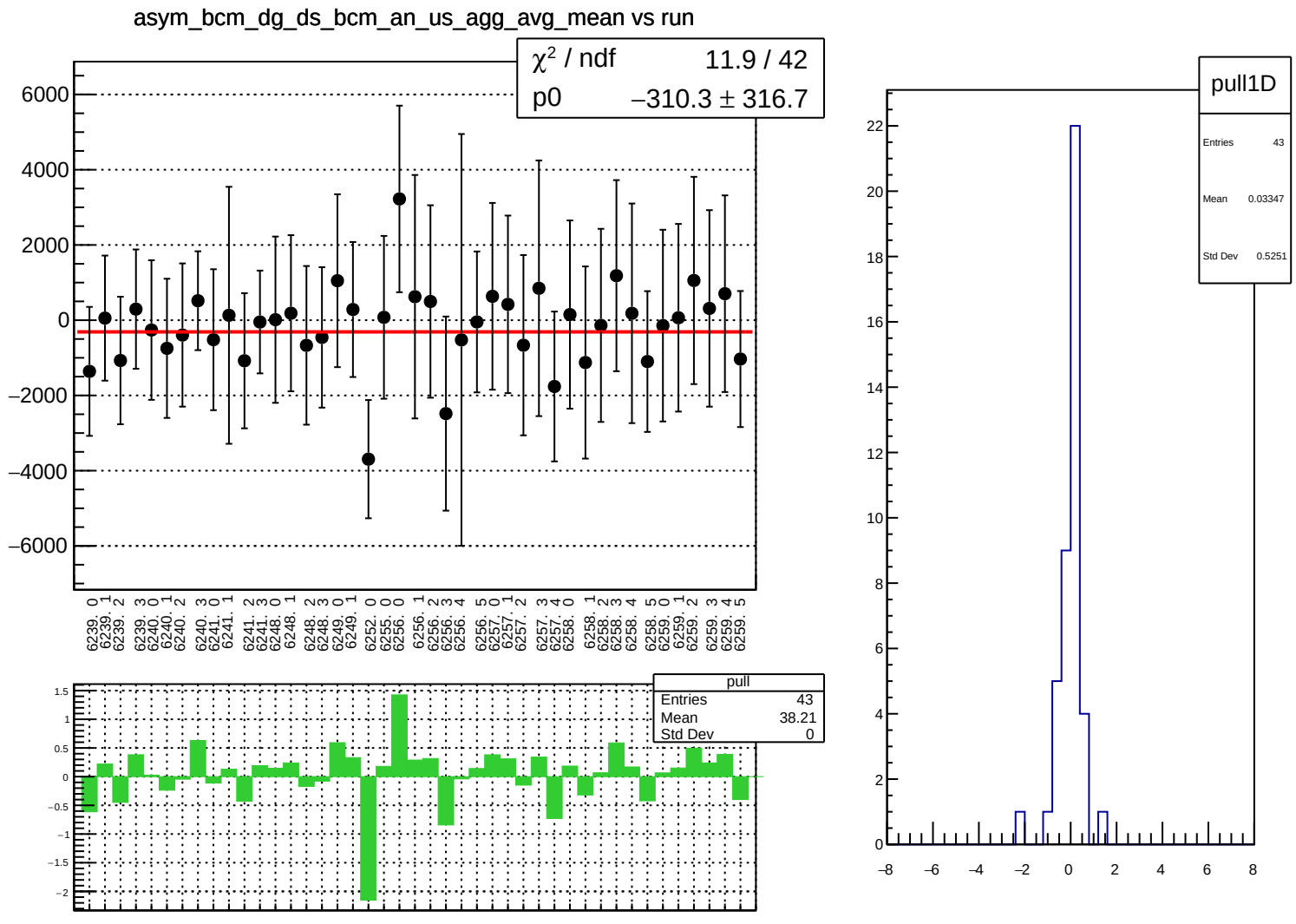

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.24 / 42
p0 −384.7 ± 317.4
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

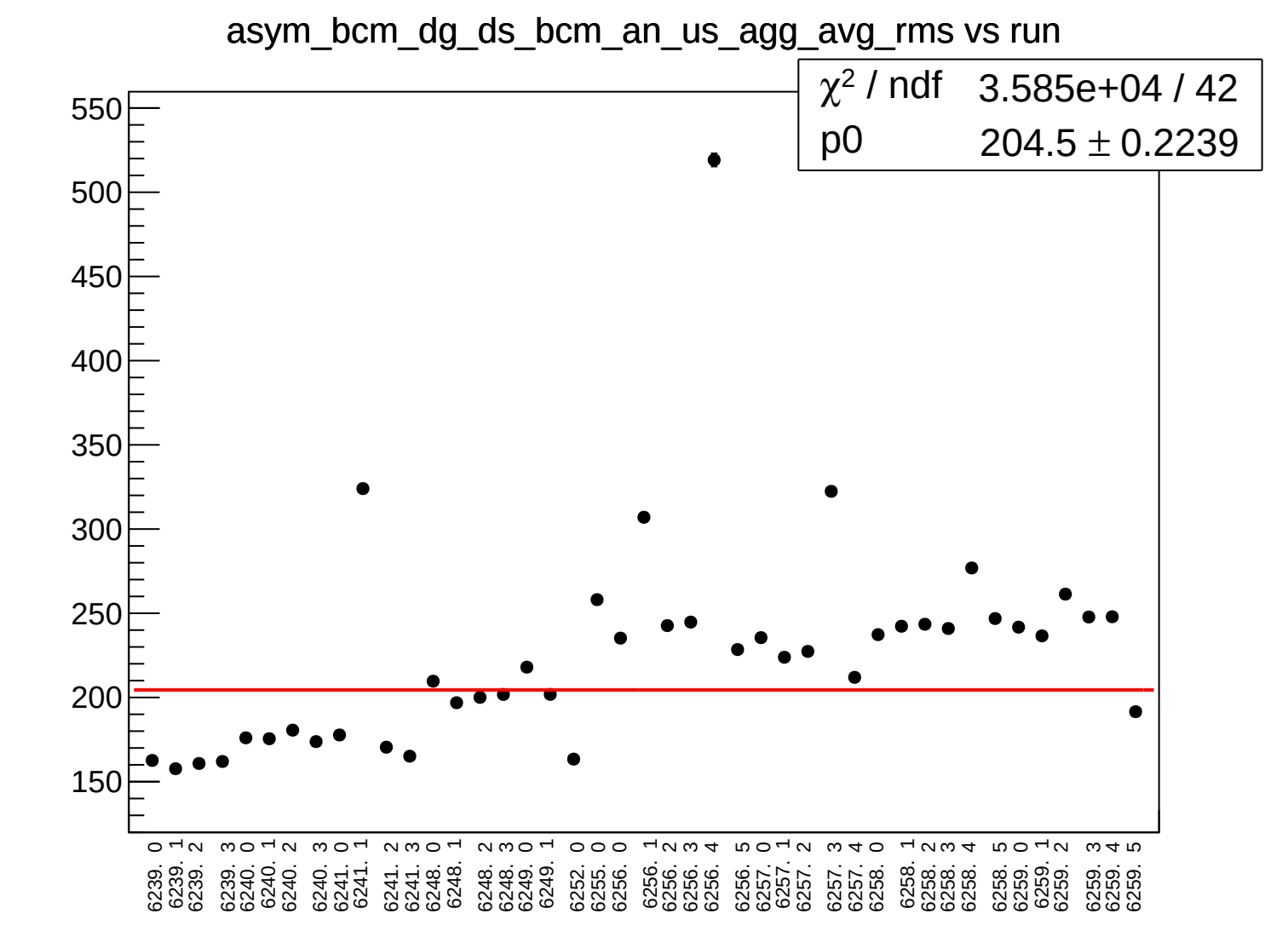

pull1D
Entries 43
Mean 0.02972
Std Dev 0.5104
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

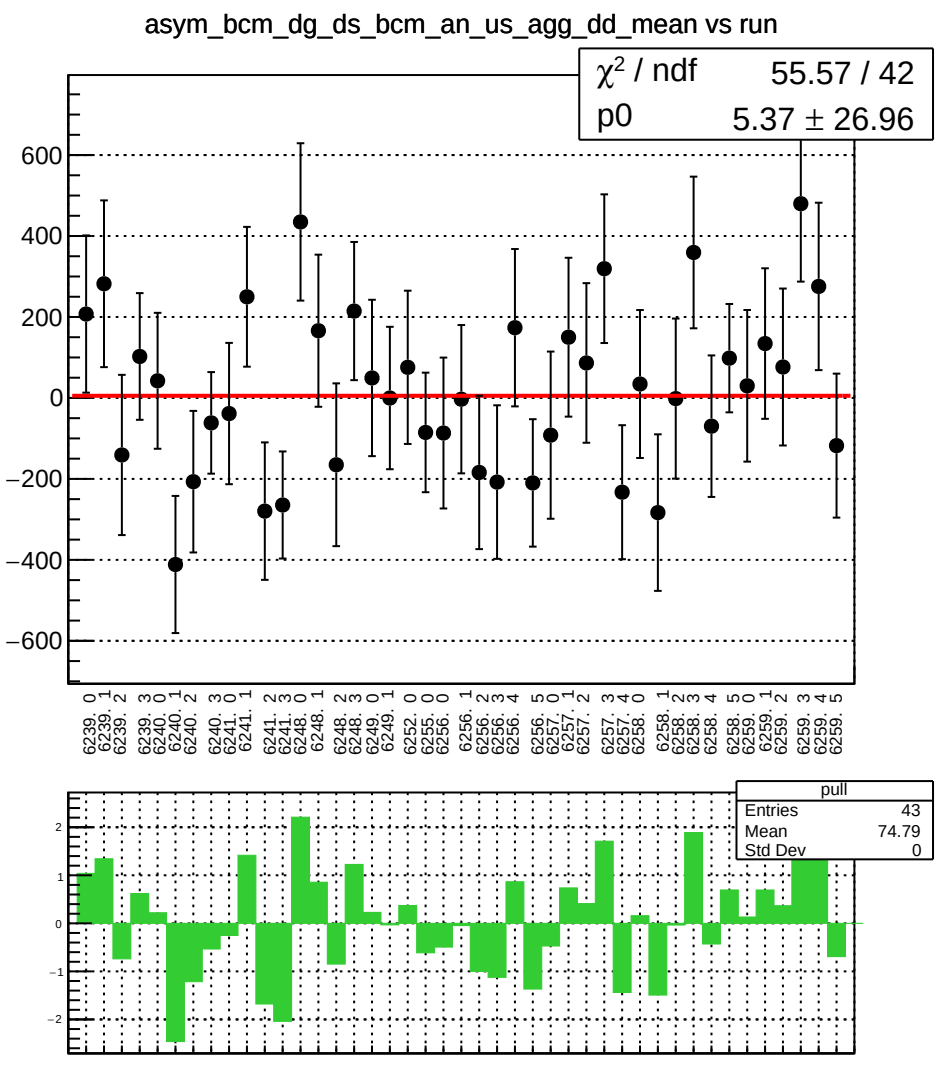

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.655e+04 / 42
p0 204.8 ± 0.2245
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

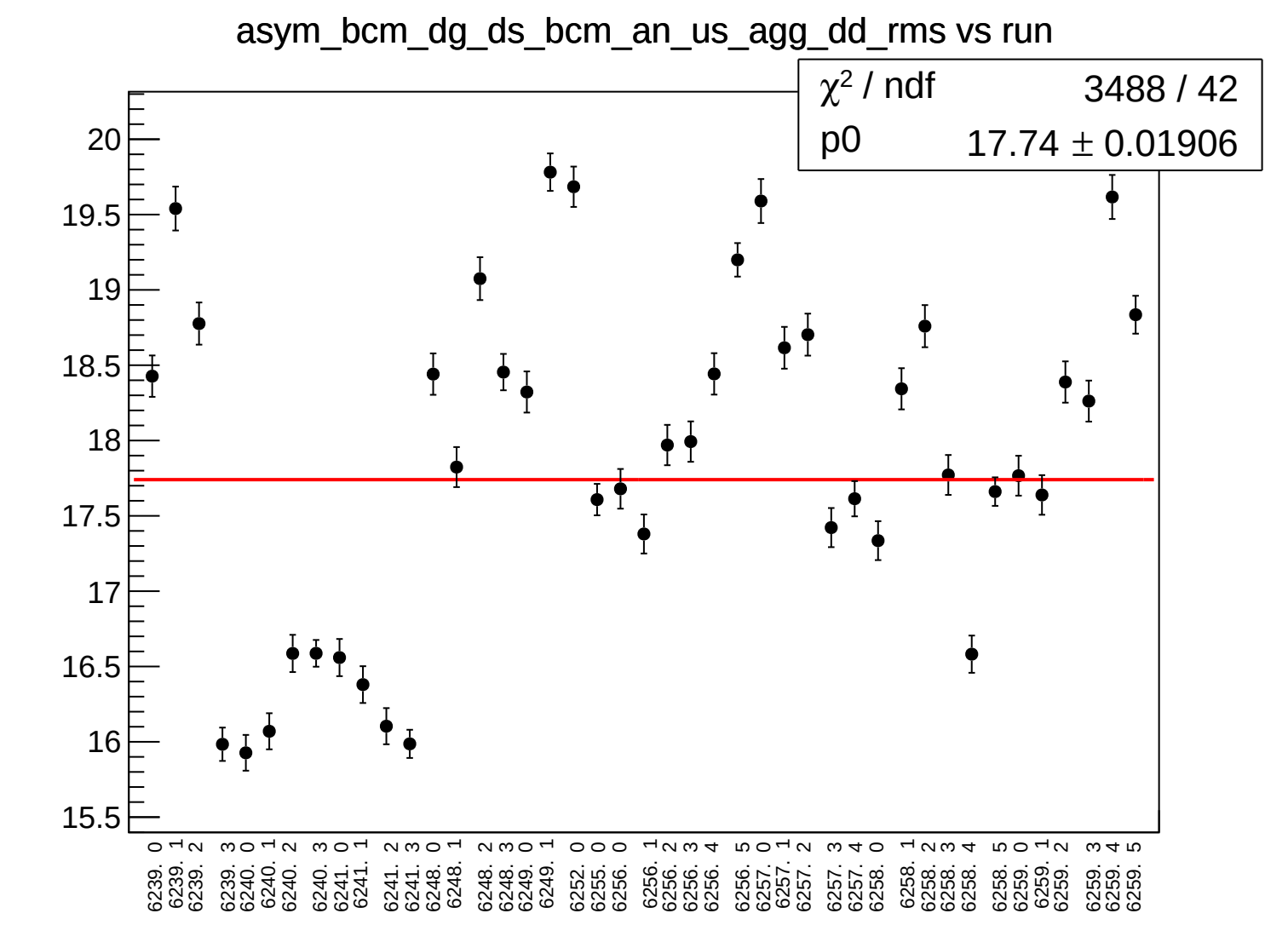

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 22.95 / 42
p0 −72.54 ± 34.11
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.21
Std Dev 61.53
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.004952
Std Dev 0.7306
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

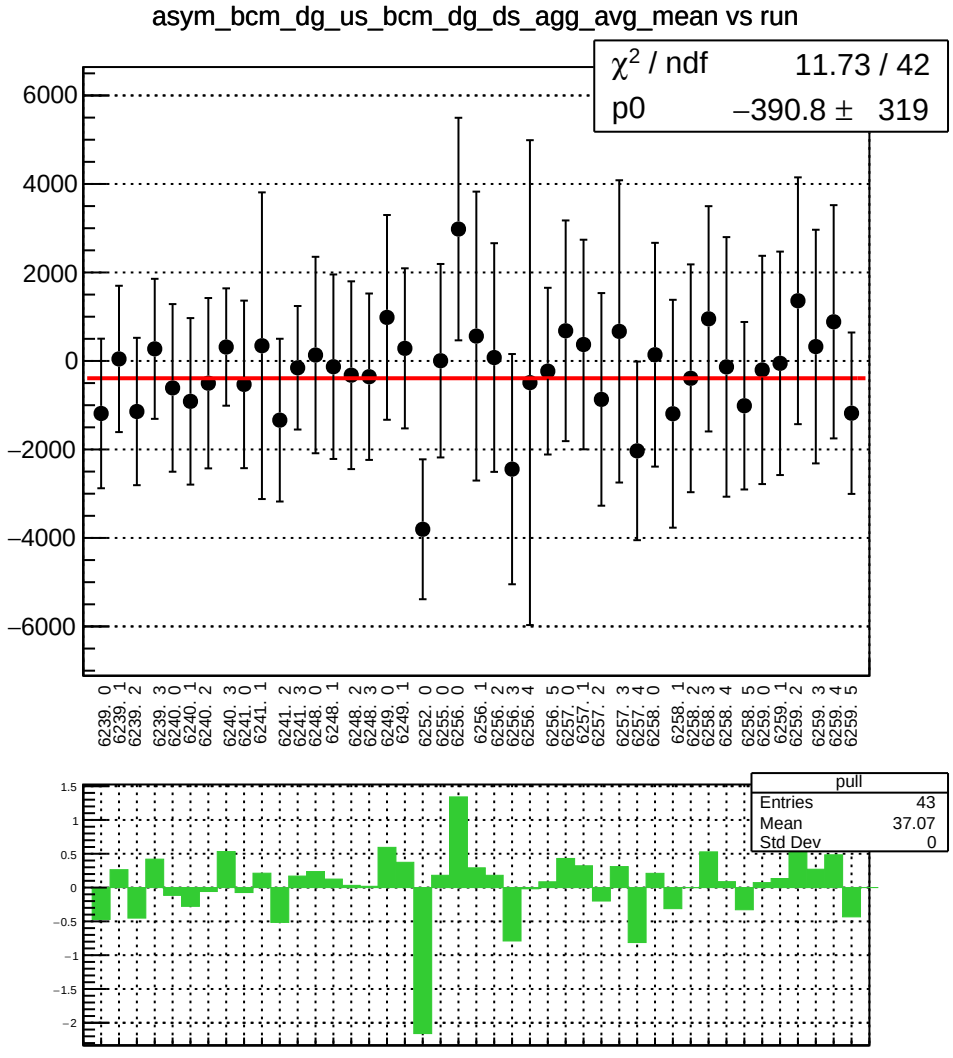

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 305.2 / 42
p0 22.48 ± 0.02412
23.5
23
22.5
22
21.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

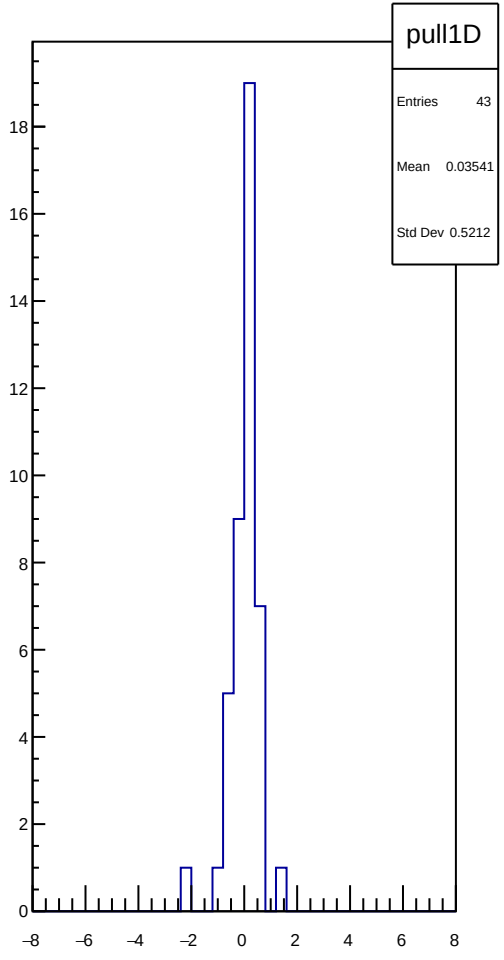

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.9 / 42
p0 −310.3 ± 316.7
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03347
Std Dev 0.5251
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

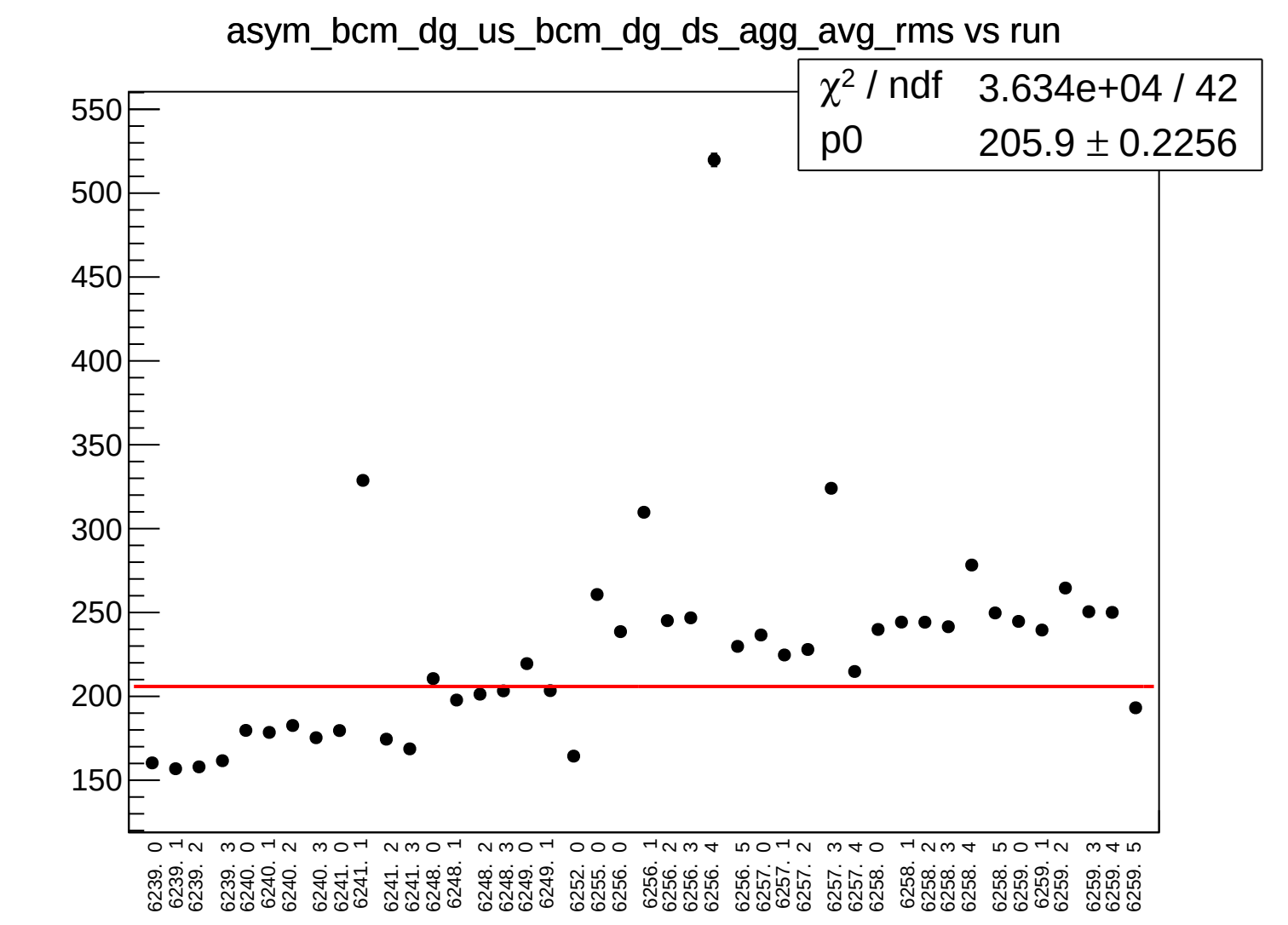

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.585e+04 / 42
p0 204.5 ± 0.2239
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

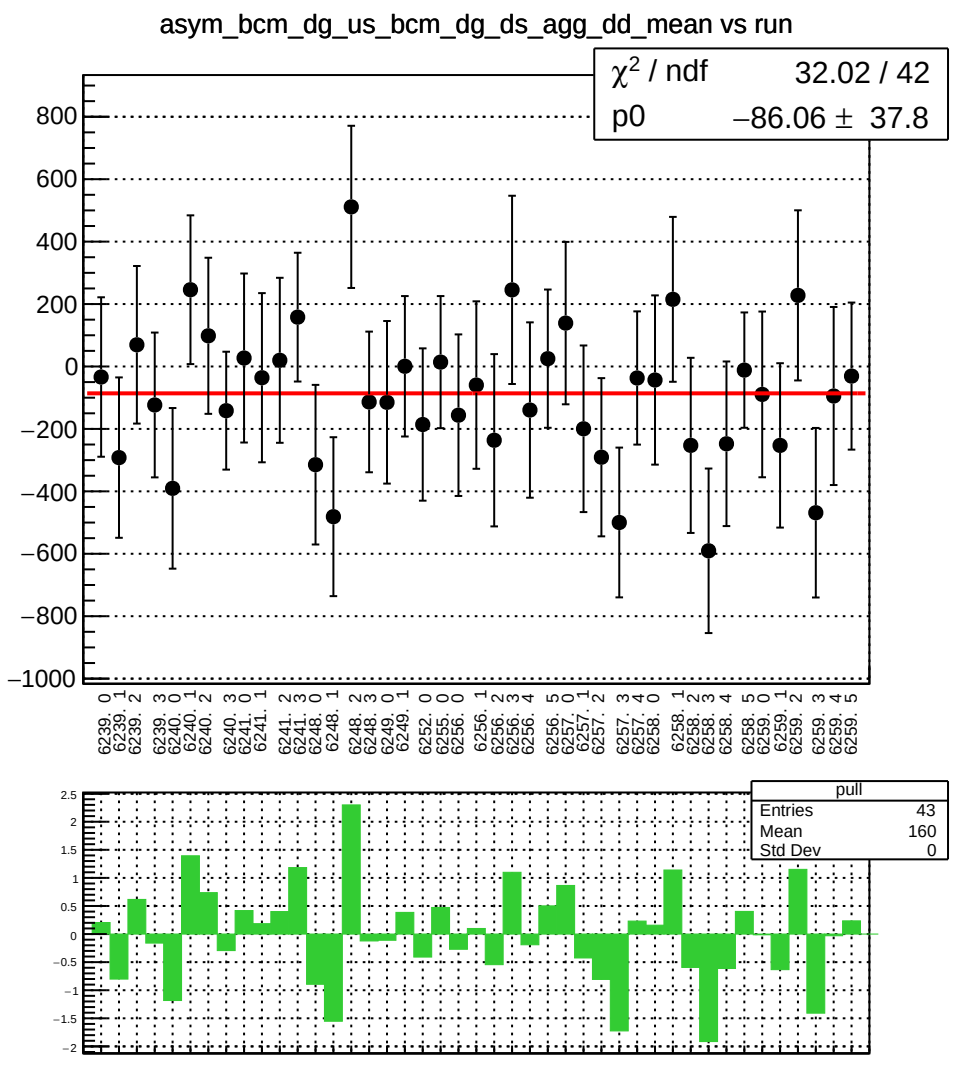

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 55.57 / 42
p0 5.37 ± 26.96
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 74.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04549
Std Dev 1.136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

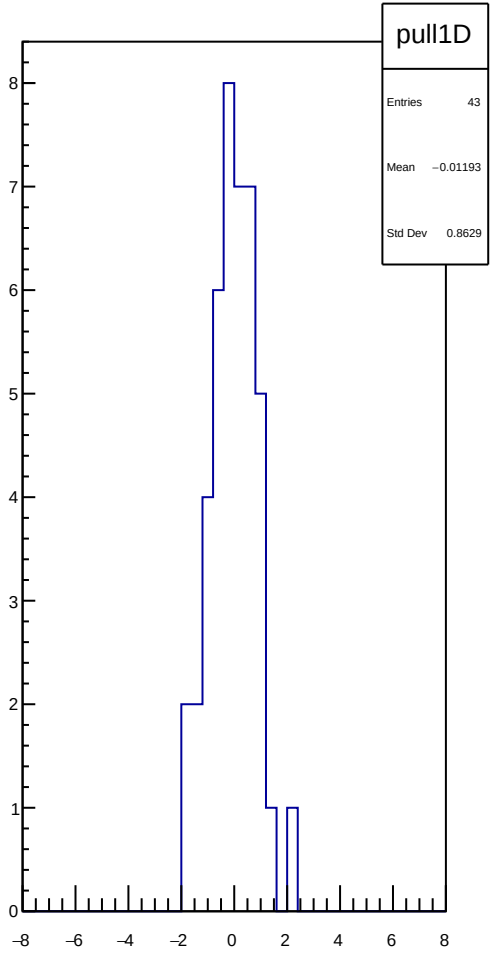

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3488 / 42
p0 17.74 ± 0.01906
20
19.5
19
18.5
18
17.5
17
16.5
16
15.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

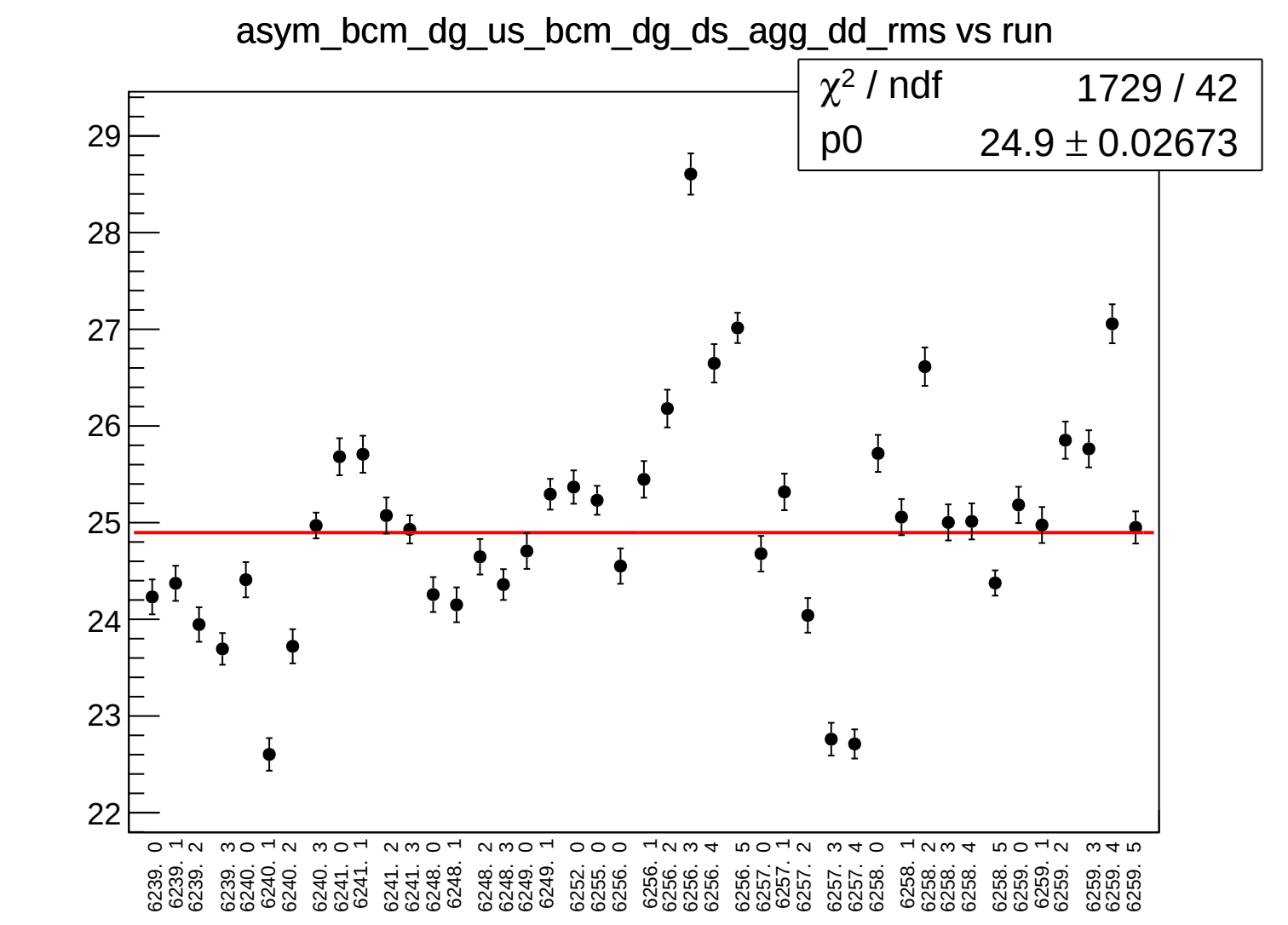

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 11.73 / 42
p0 −390.8 ± 319
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 37.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

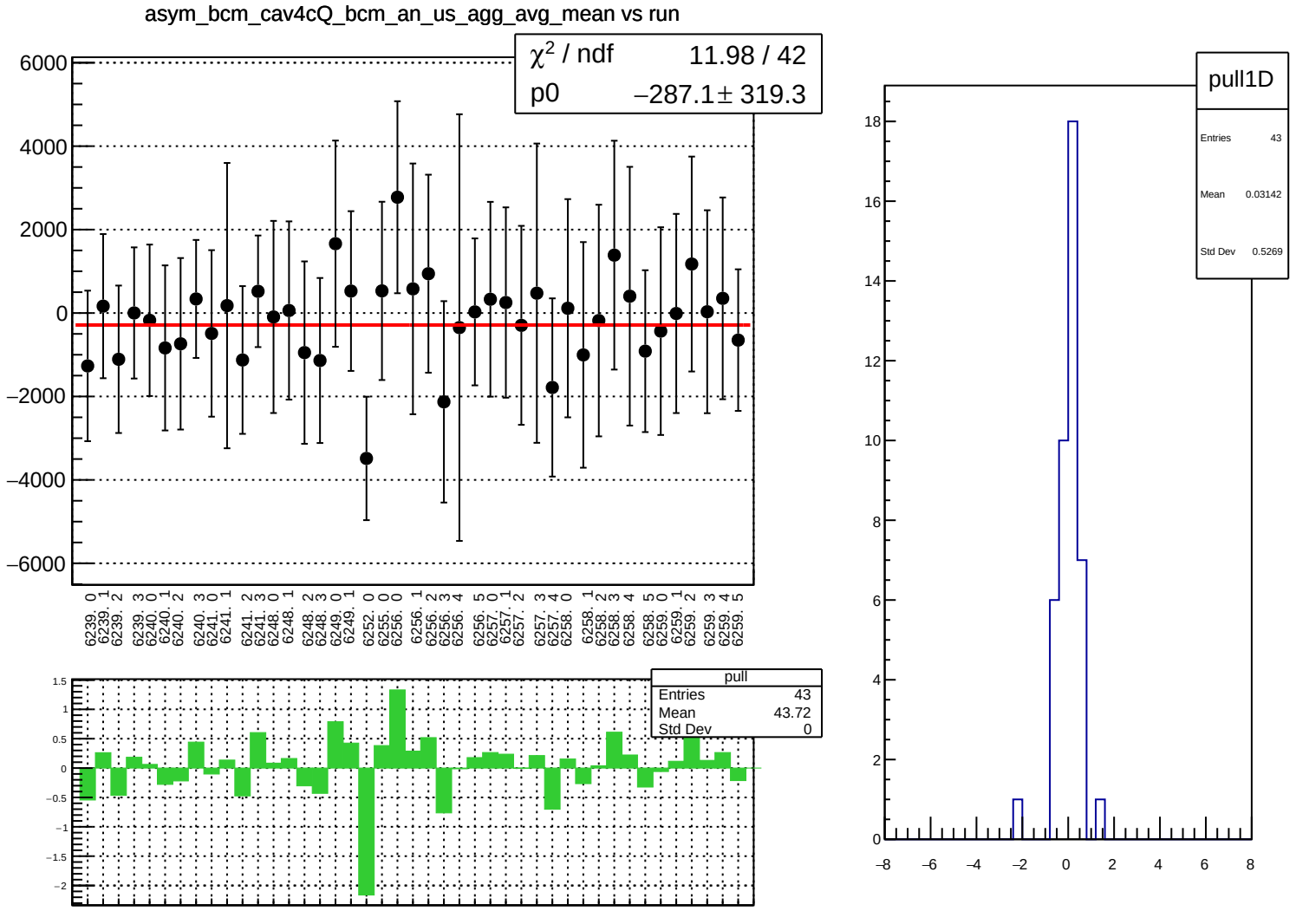

pull1D
Entries 43
Mean 0.03541
Std Dev 0.5212
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

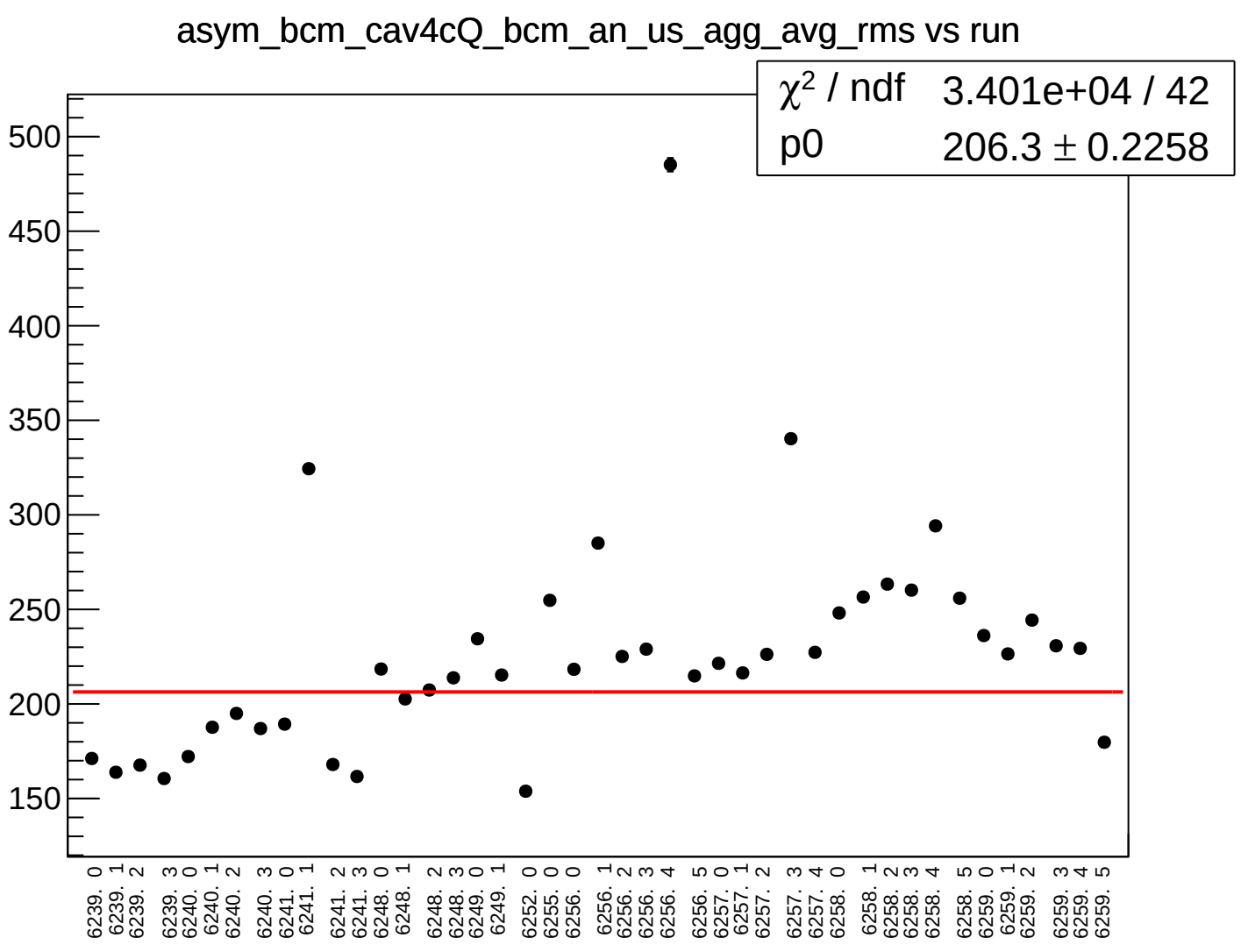

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.634e+04 / 42
p0 205.9 ± 0.2256
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

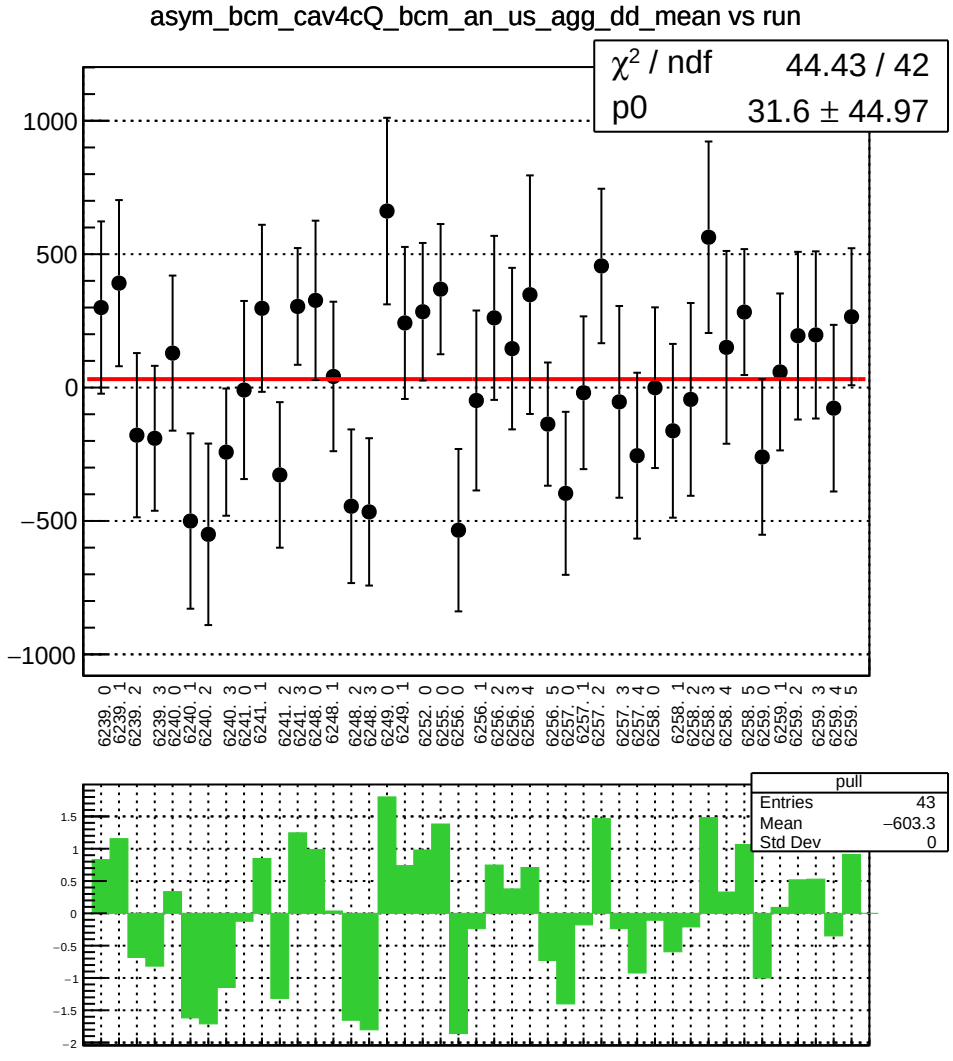

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 32.02 / 42
p0 −86.06 ± 37.8
pull
Entries 43
Mean 160
Std Dev 0

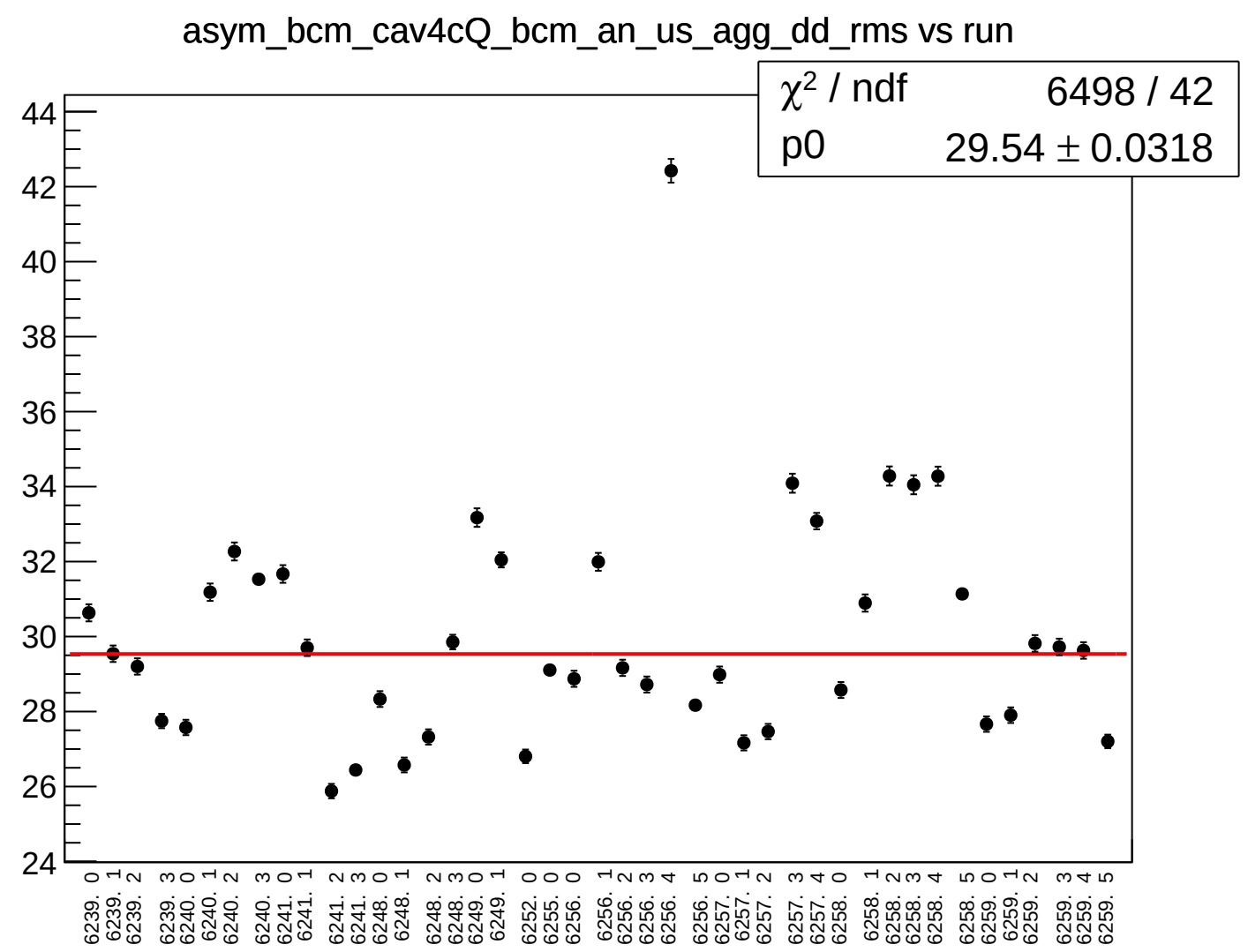

pull1D
Entries 43
Mean −0.01193
Std Dev 0.8629

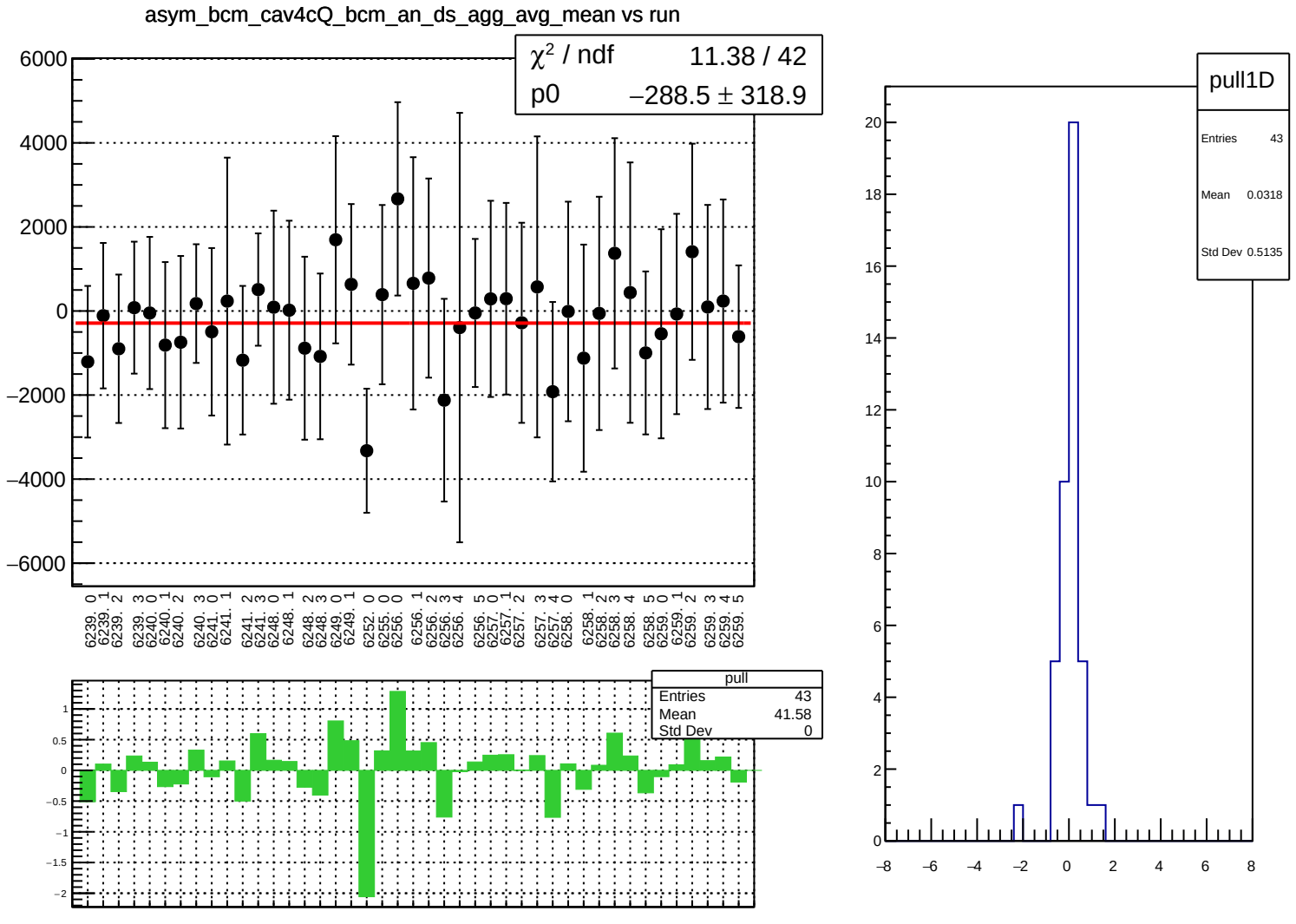

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1729 / 42
p0 24.9 ± 0.02673
29
28
27
26
25
24
23
22
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

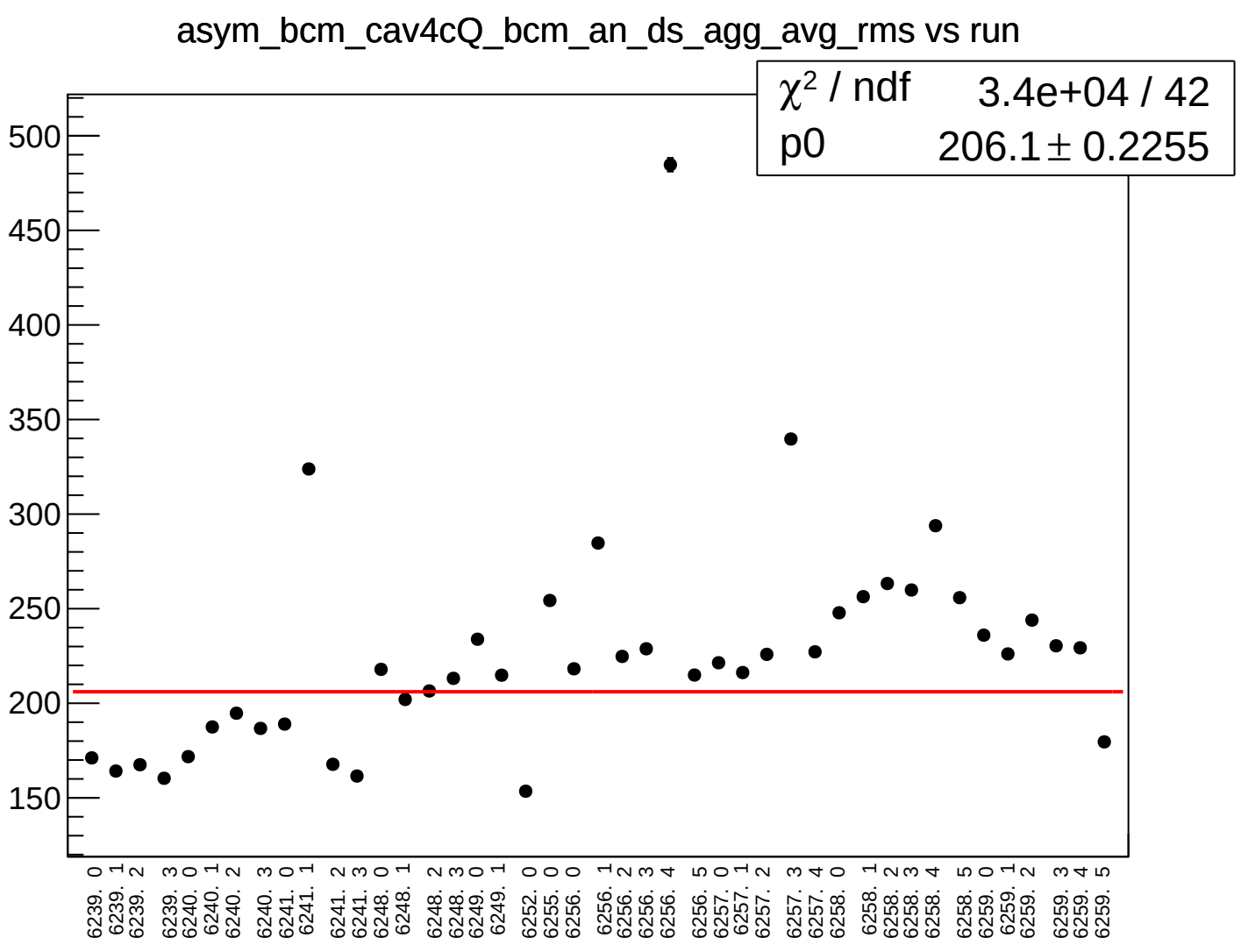

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.98 / 42
p0 −287.1± 319.3
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 43.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03142
Std Dev 0.5269
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

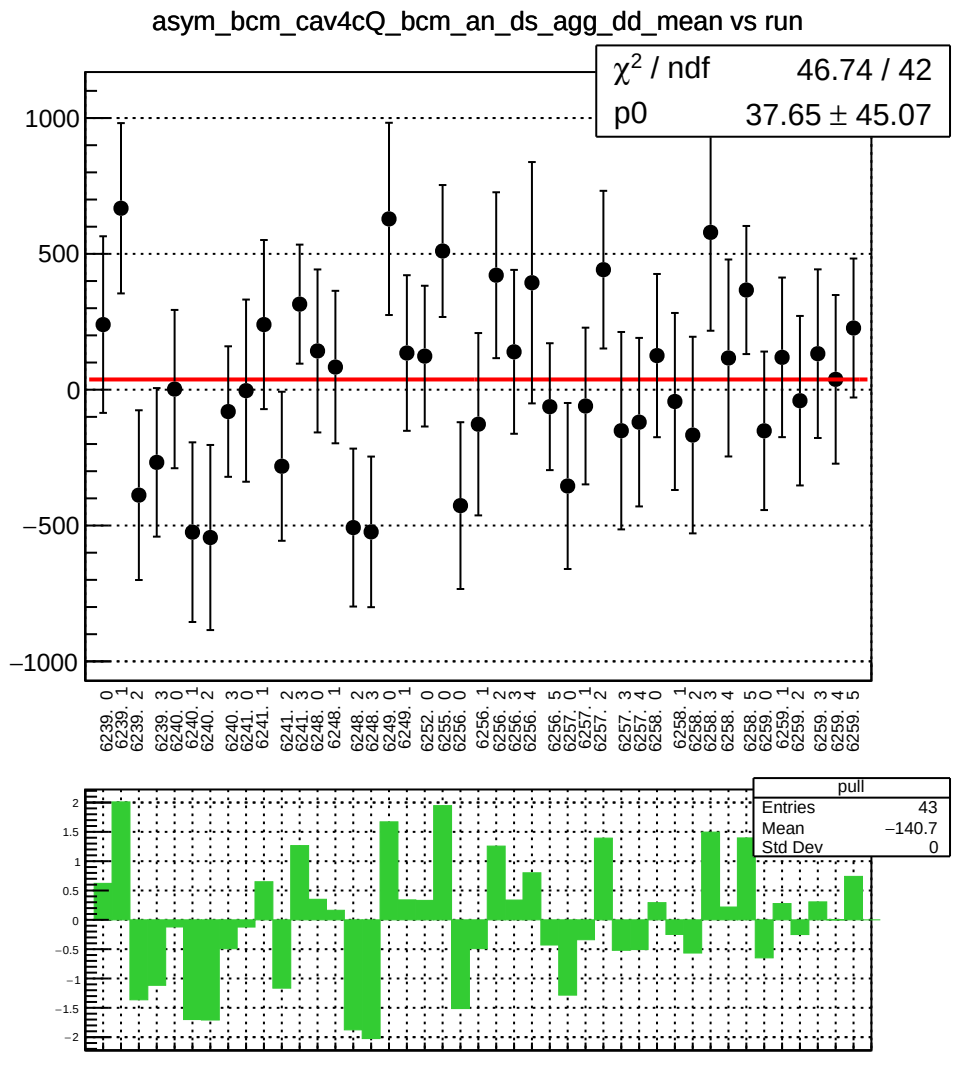

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.401e+04 / 42
p0 206.3 ± 0.2258
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

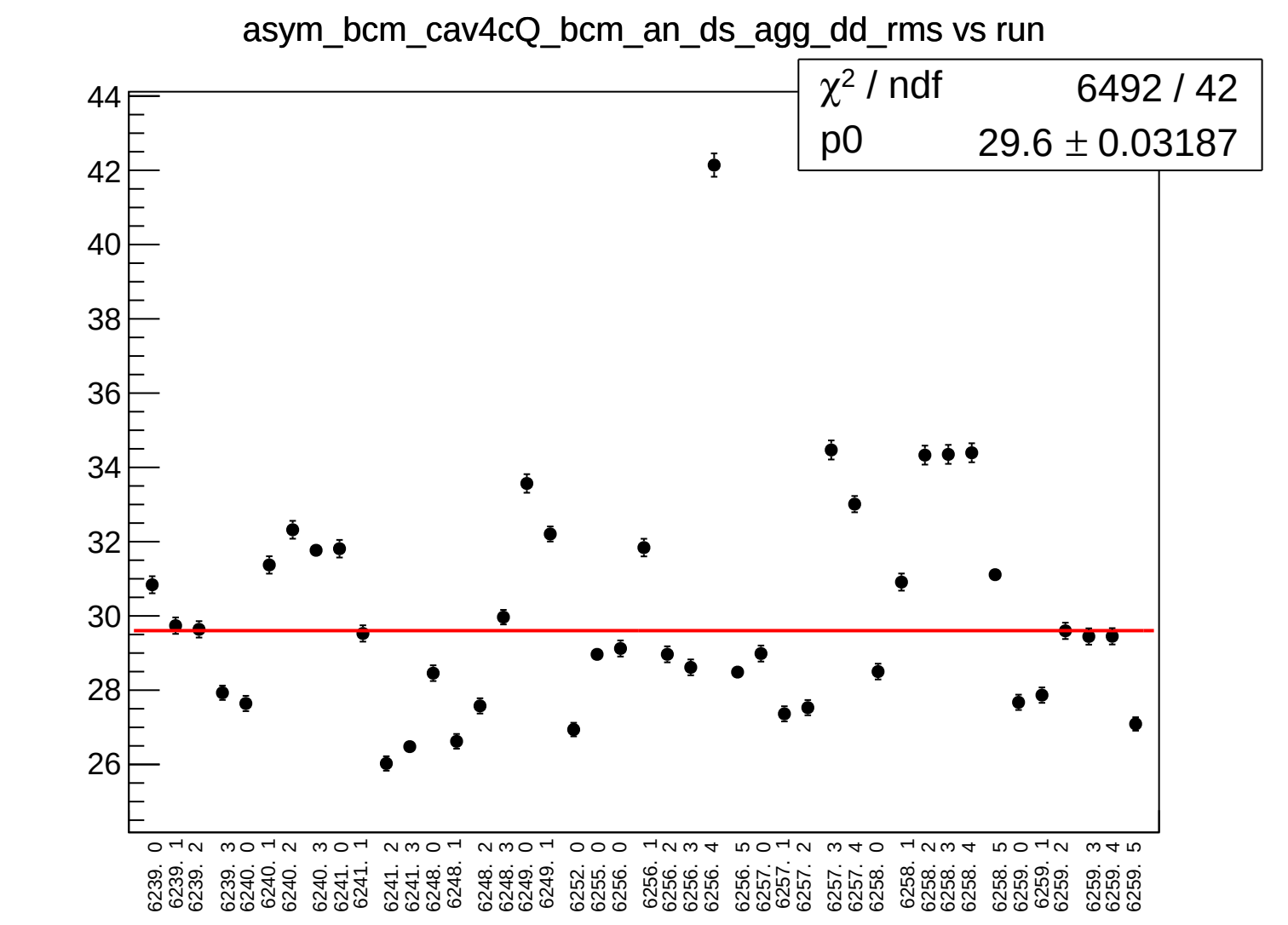

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 44.43 / 42
p0 31.6 ± 44.97
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −603.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.002953
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

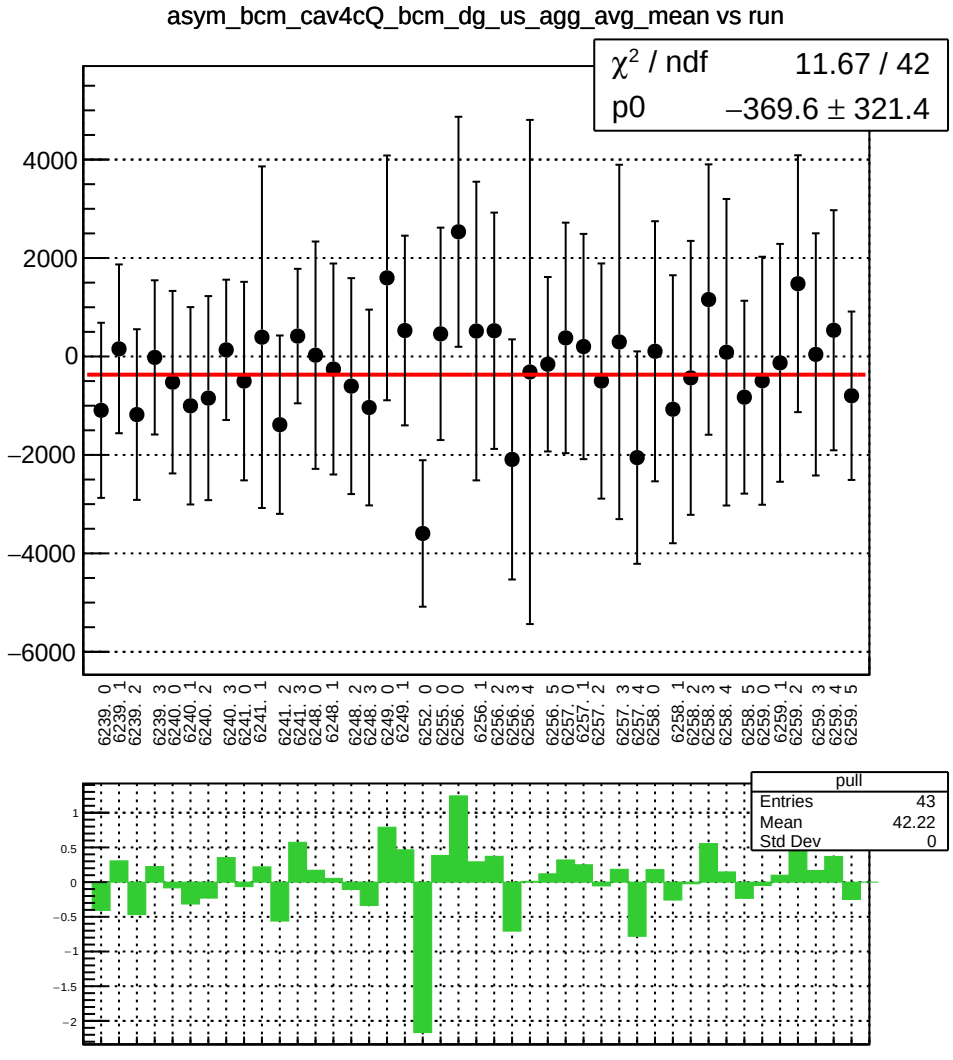

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 6498 / 42
p0 29.54 ± 0.0318
44
42
40
38
36
34
32
30
28
26
24
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

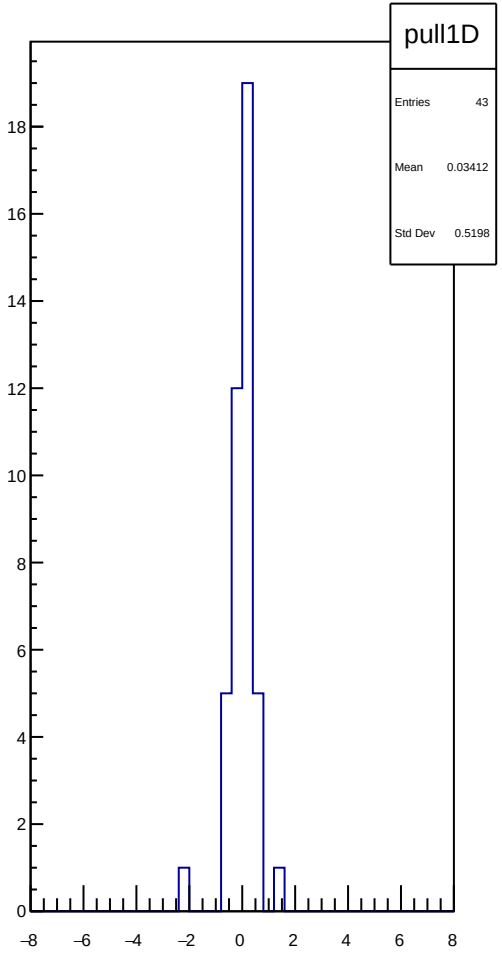

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.38 / 42
p0 −288.5 ± 318.9
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 41.58
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0318
Std Dev 0.5135
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

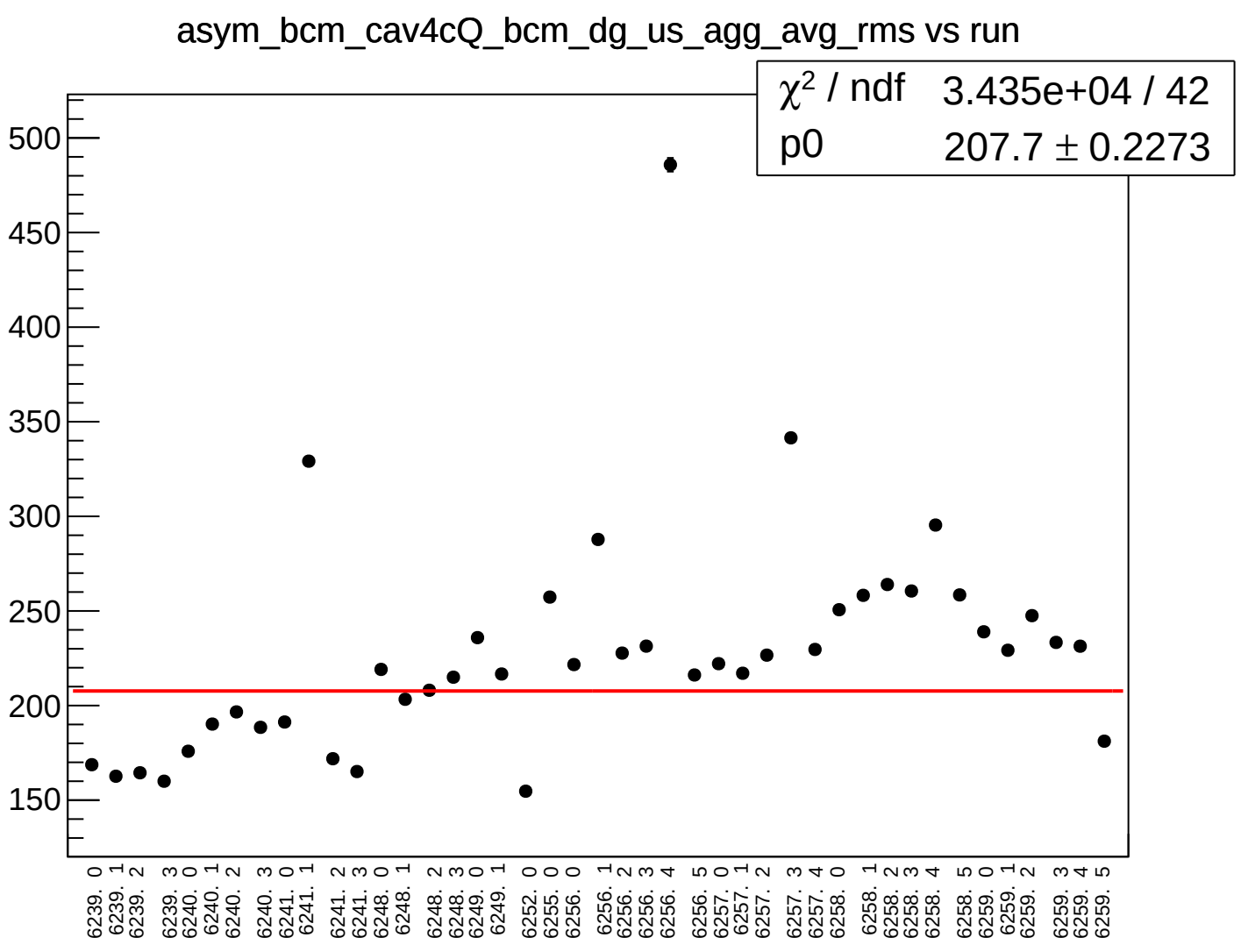

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.4e+04 / 42
p0 206.1 ± 0.2255
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

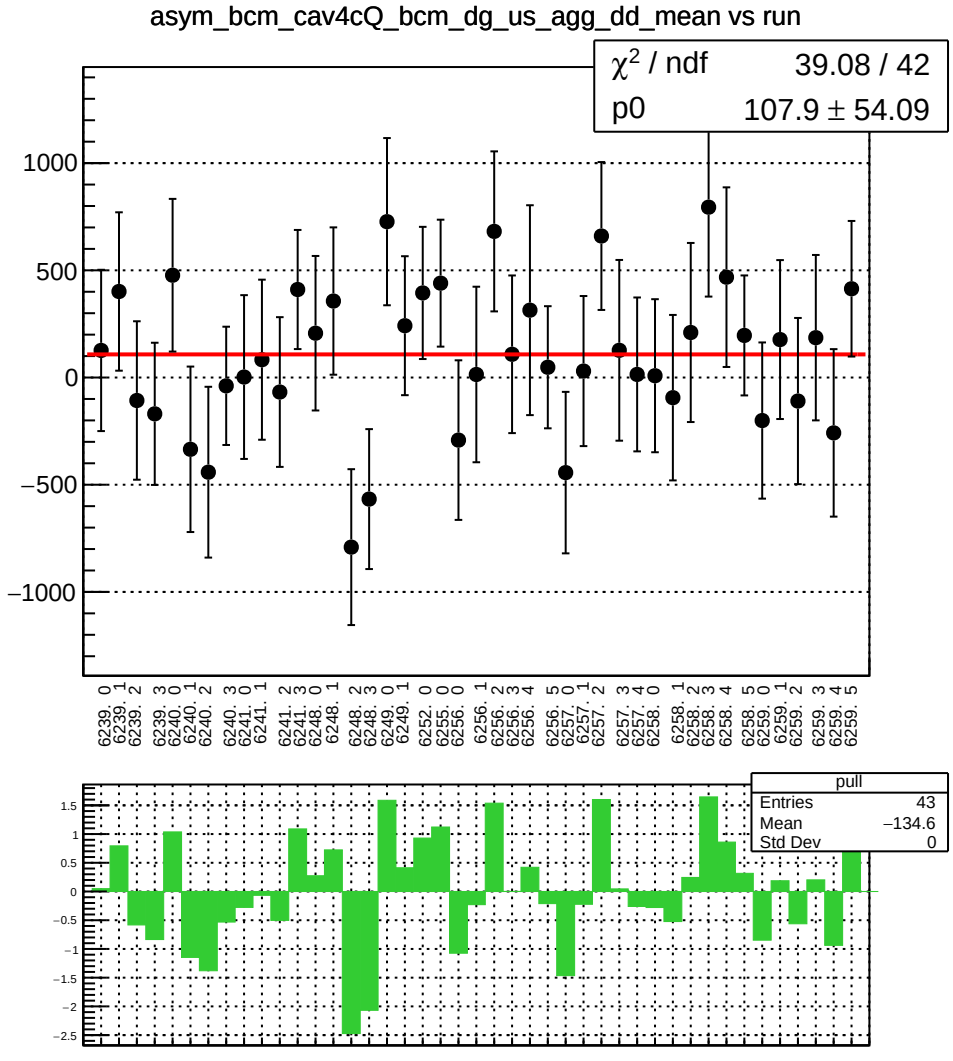

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 46.74 / 42
p0 37.65 ± 45.07
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −140.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01426
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

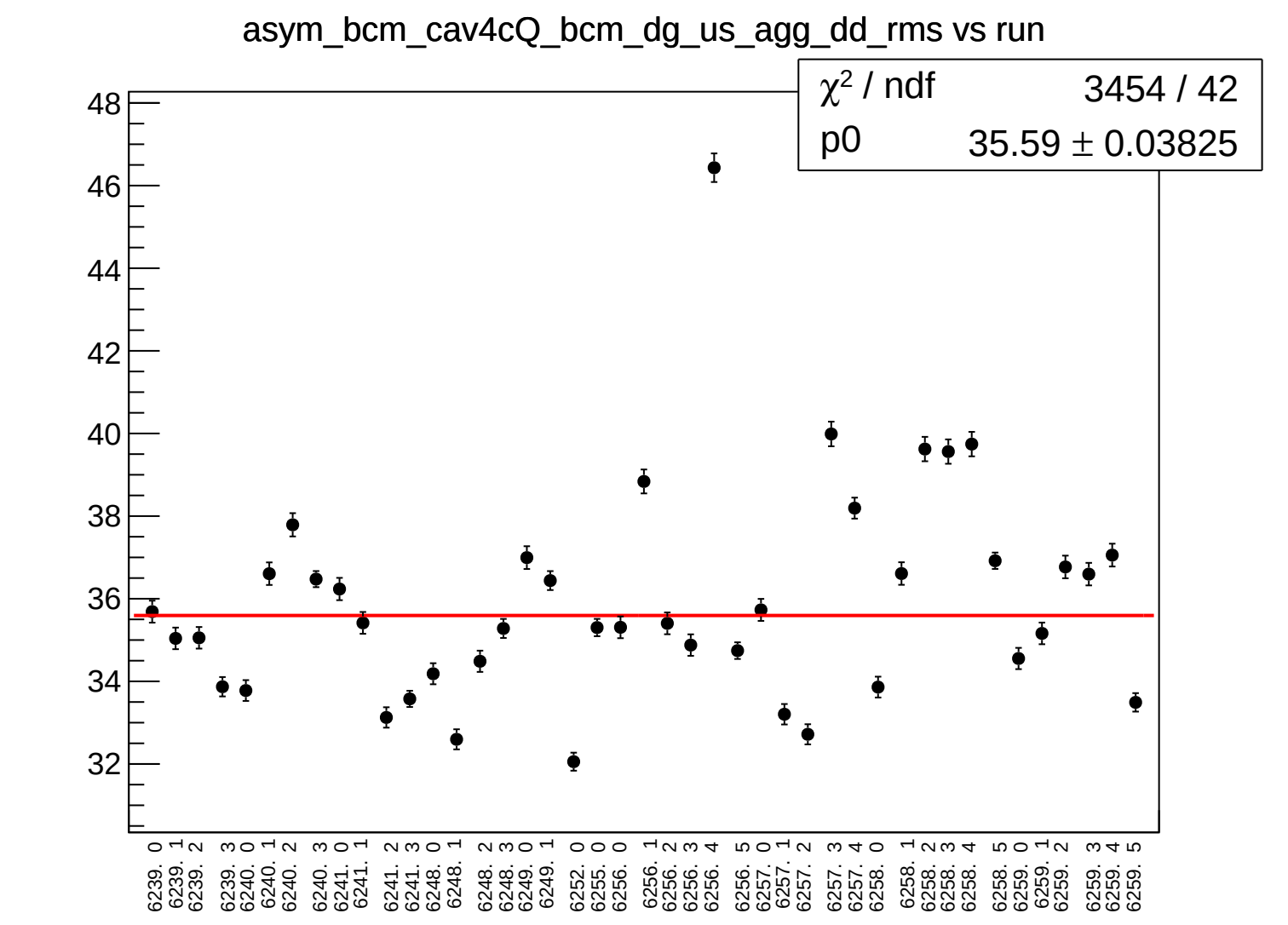

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 6492 / 42
p0 29.6 ± 0.03187
44
42
40
38
36
34
32
30
28
26
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

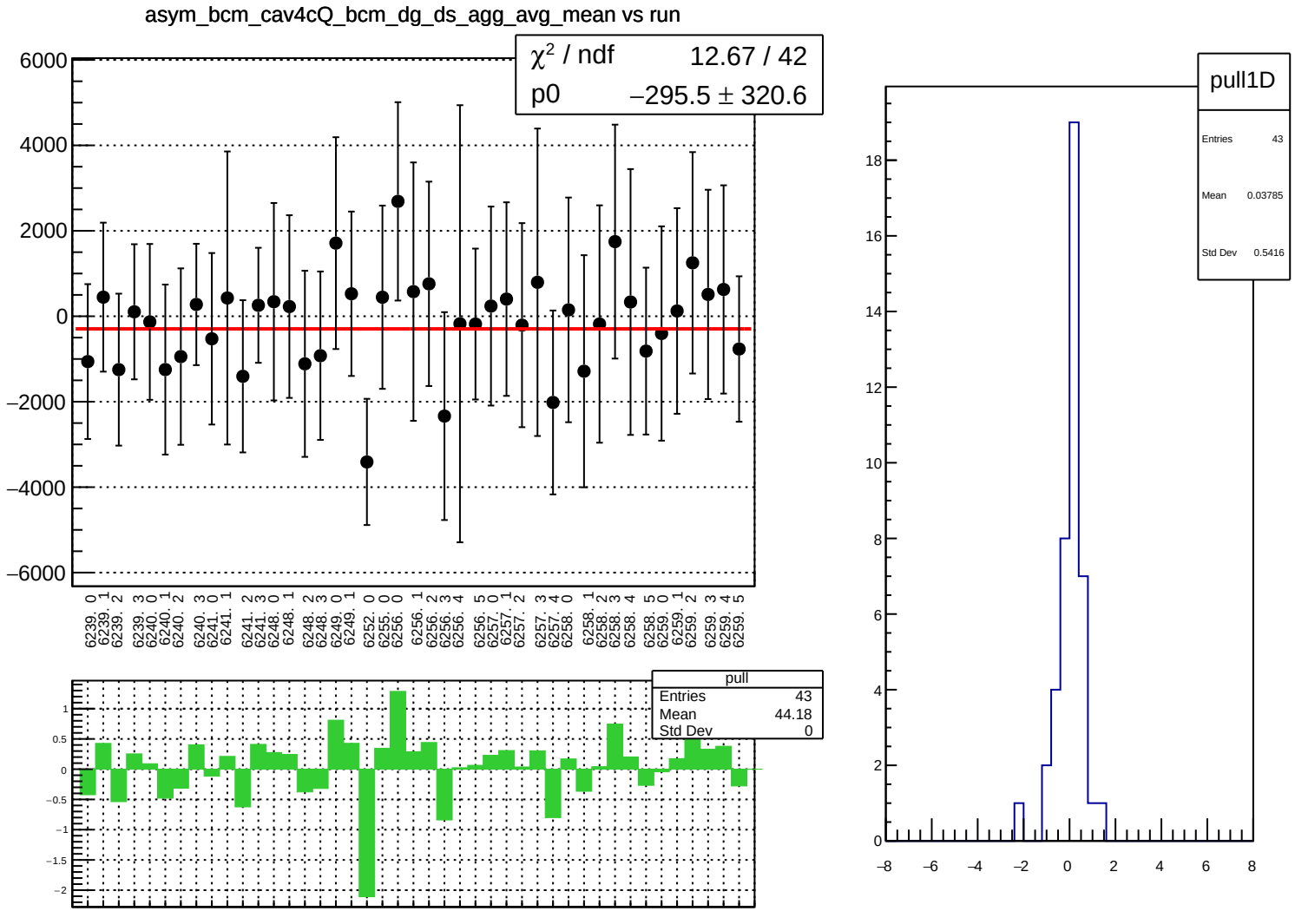

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 11.67 / 42
p0 −369.6 ± 321.4
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.22
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

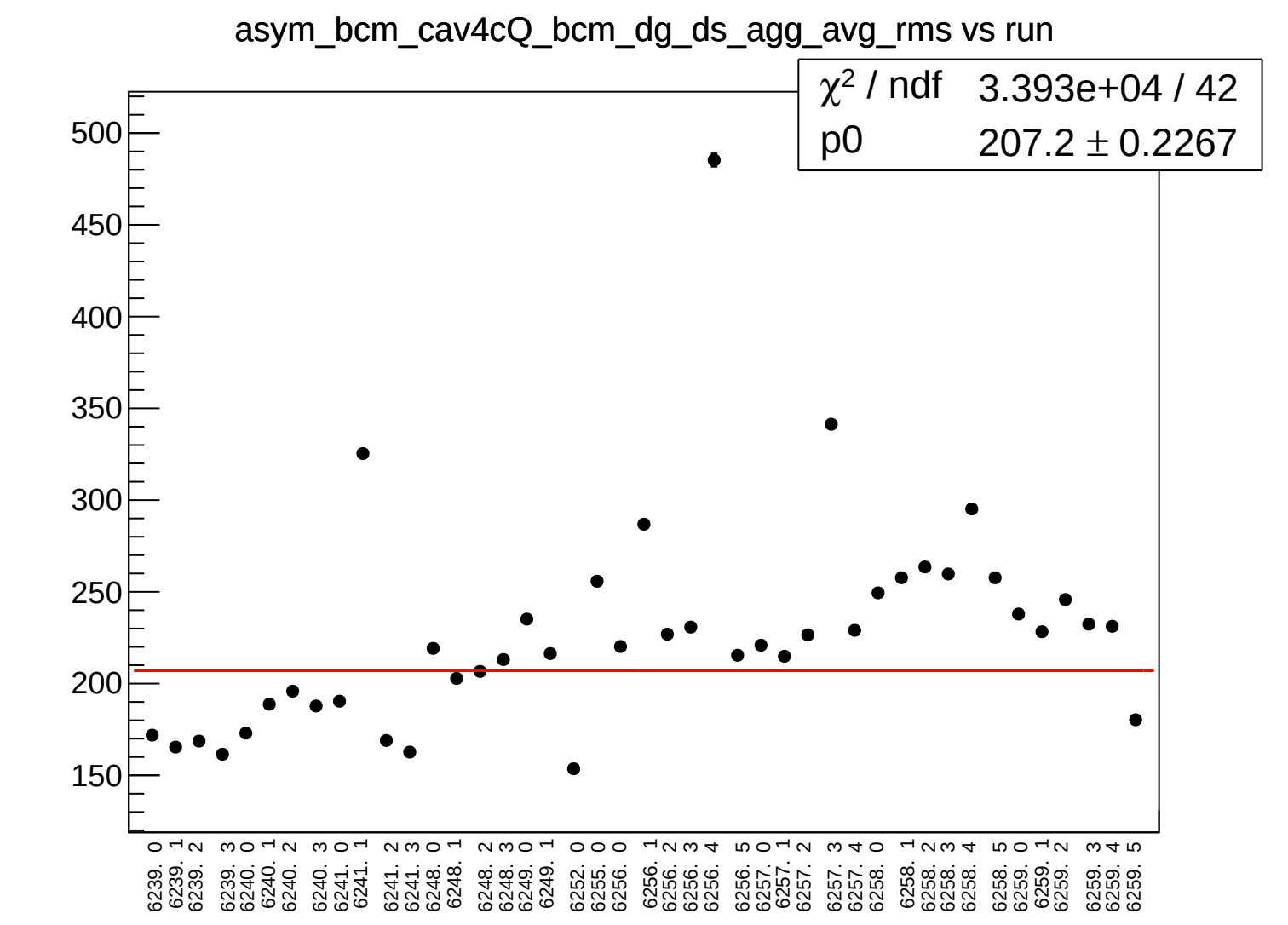

pull1D
Entries 43
Mean 0.03412
Std Dev 0.5198
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

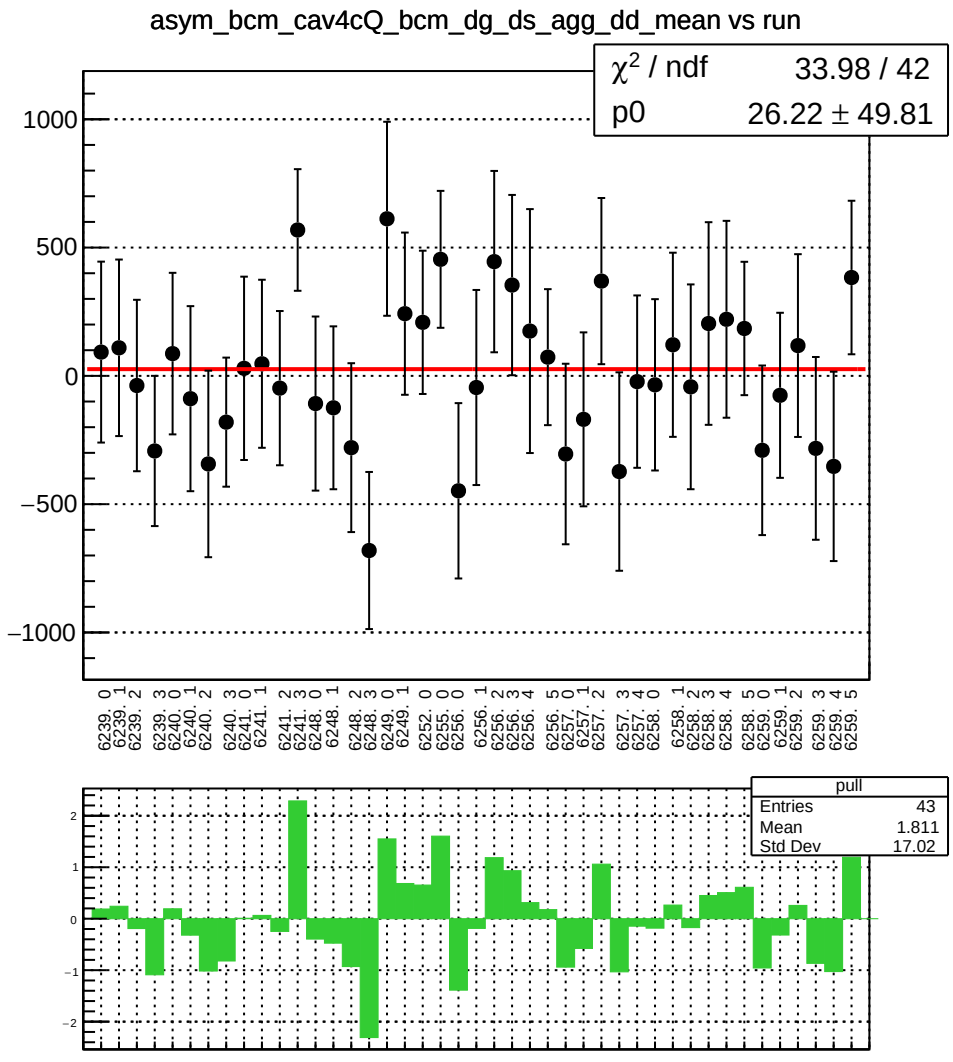

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3.435e+04 / 42
p0 207.7 ± 0.2273
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

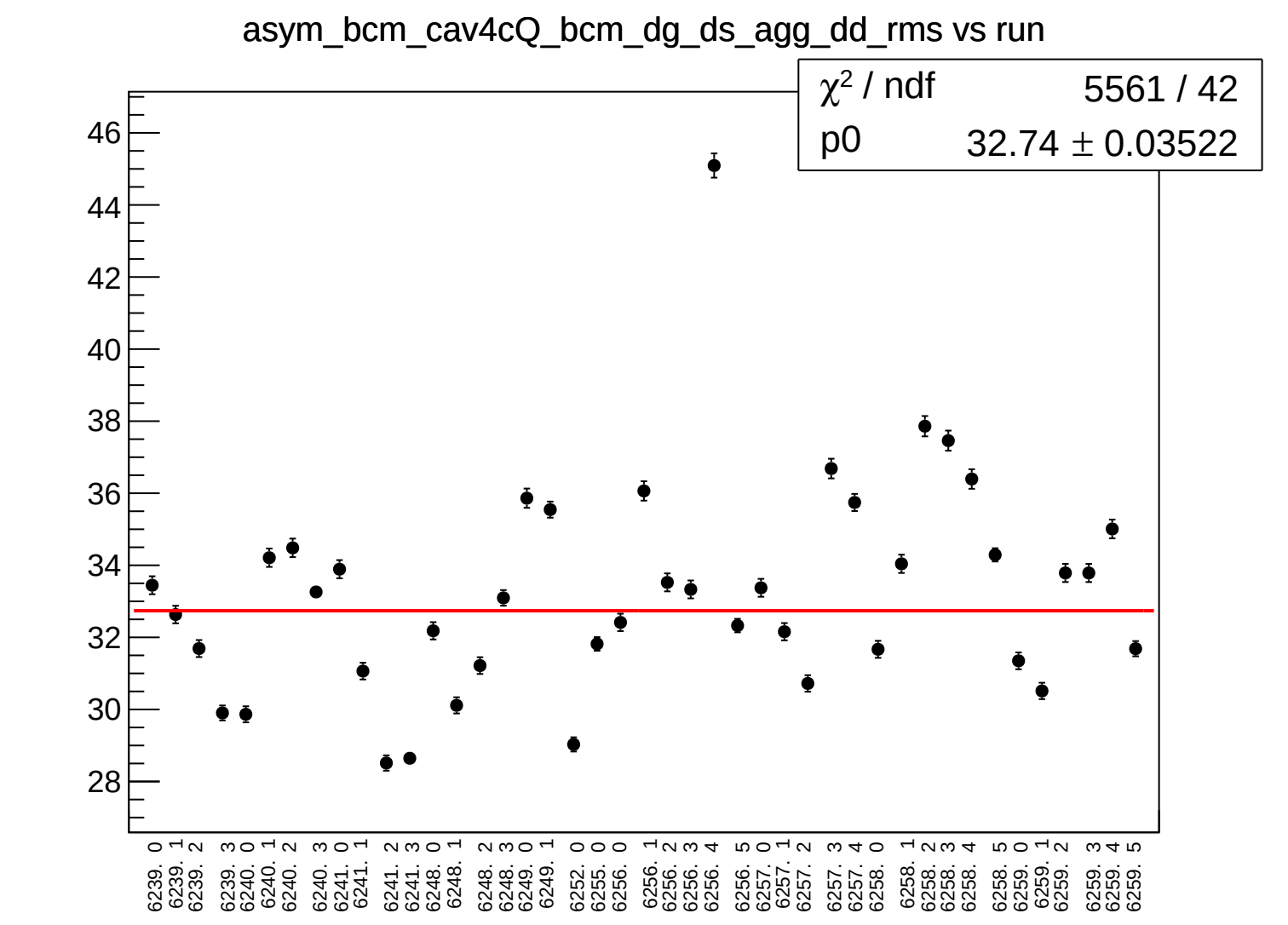

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 39.08 / 42
p0 107.9 ± 54.09
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −134.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.00969
Std Dev 0.9533
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

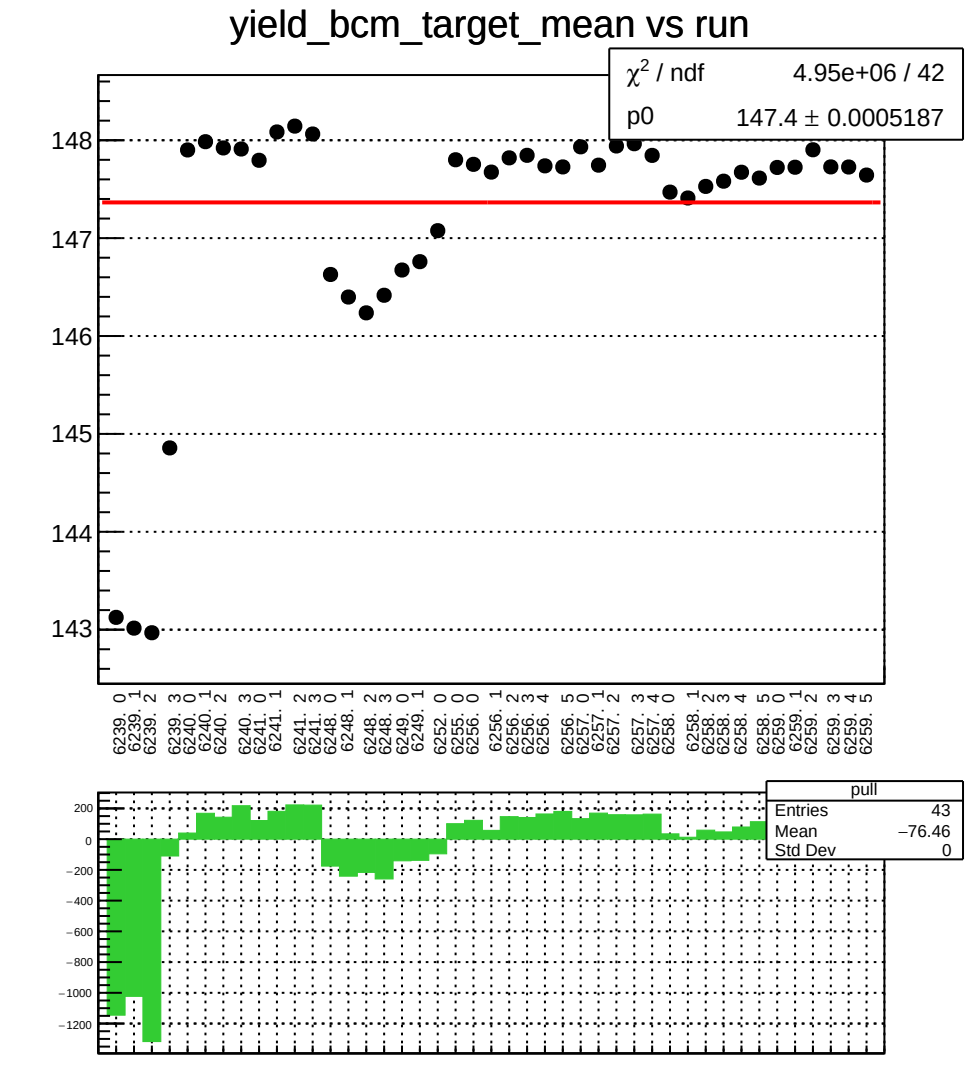

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 3454 / 42
p0 35.59 ± 0.03825
48
46
44
42
40
38
36
34
32
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

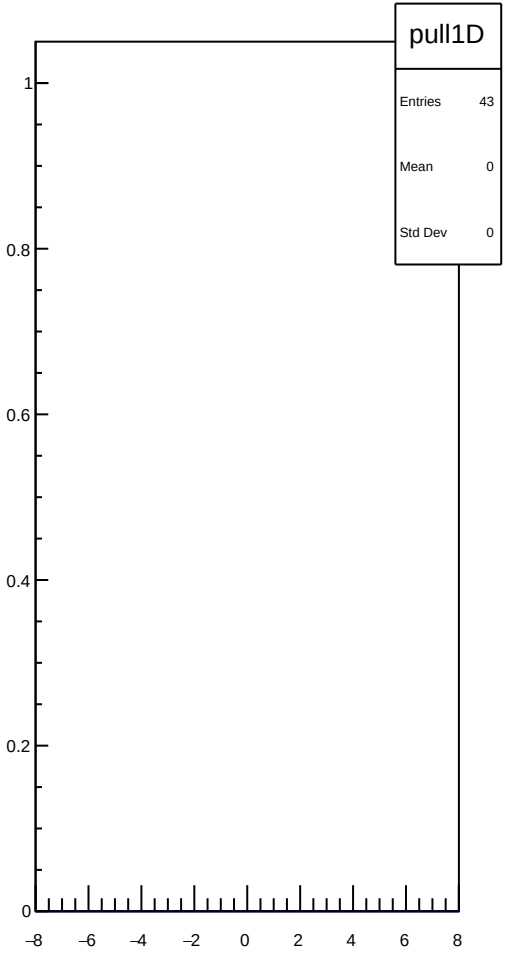

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 12.67 / 42
p0 −295.5 ± 320.6
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.18
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03785
Std Dev 0.5416
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

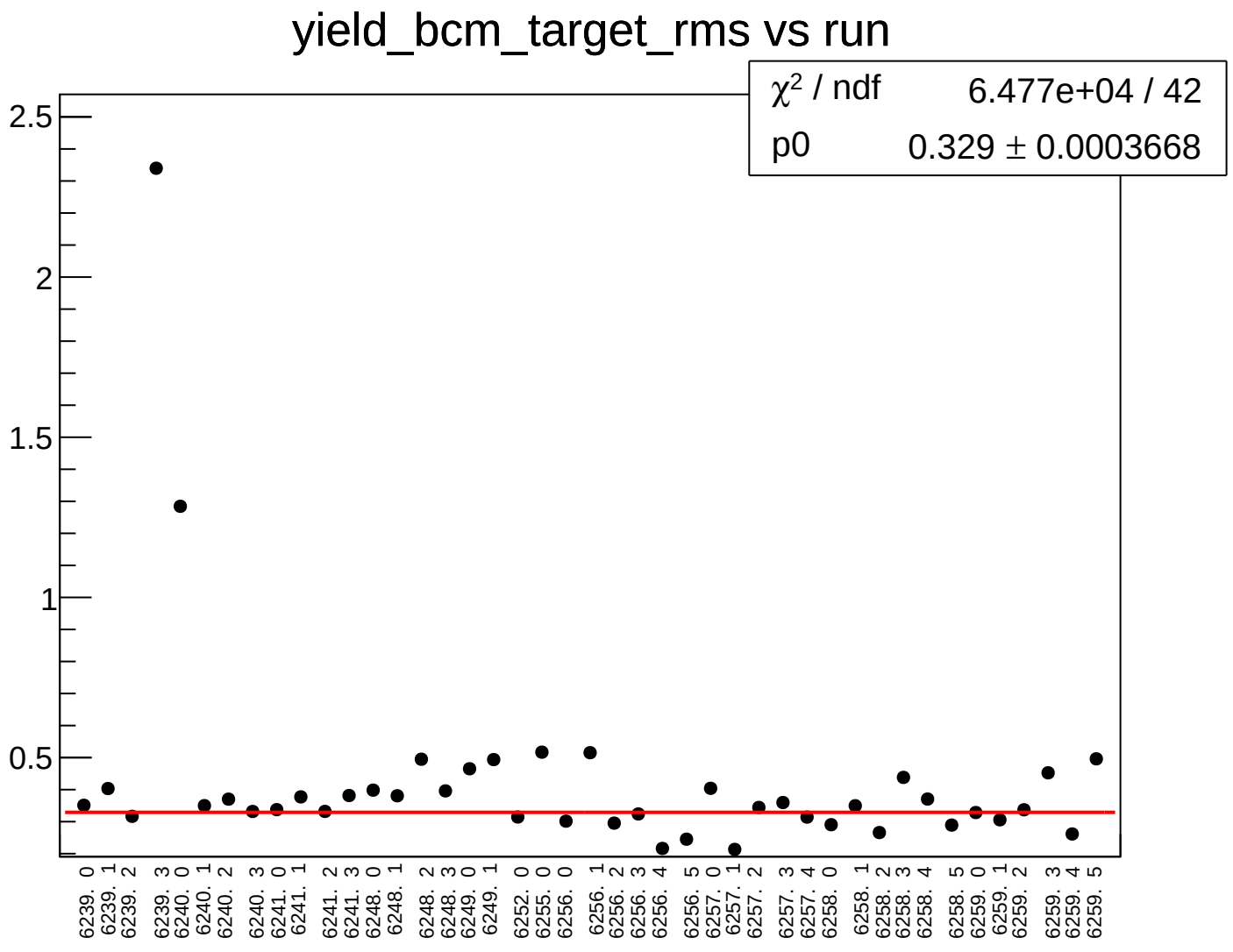

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.393e+04 / 42
p0 207.2 ± 0.2267
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

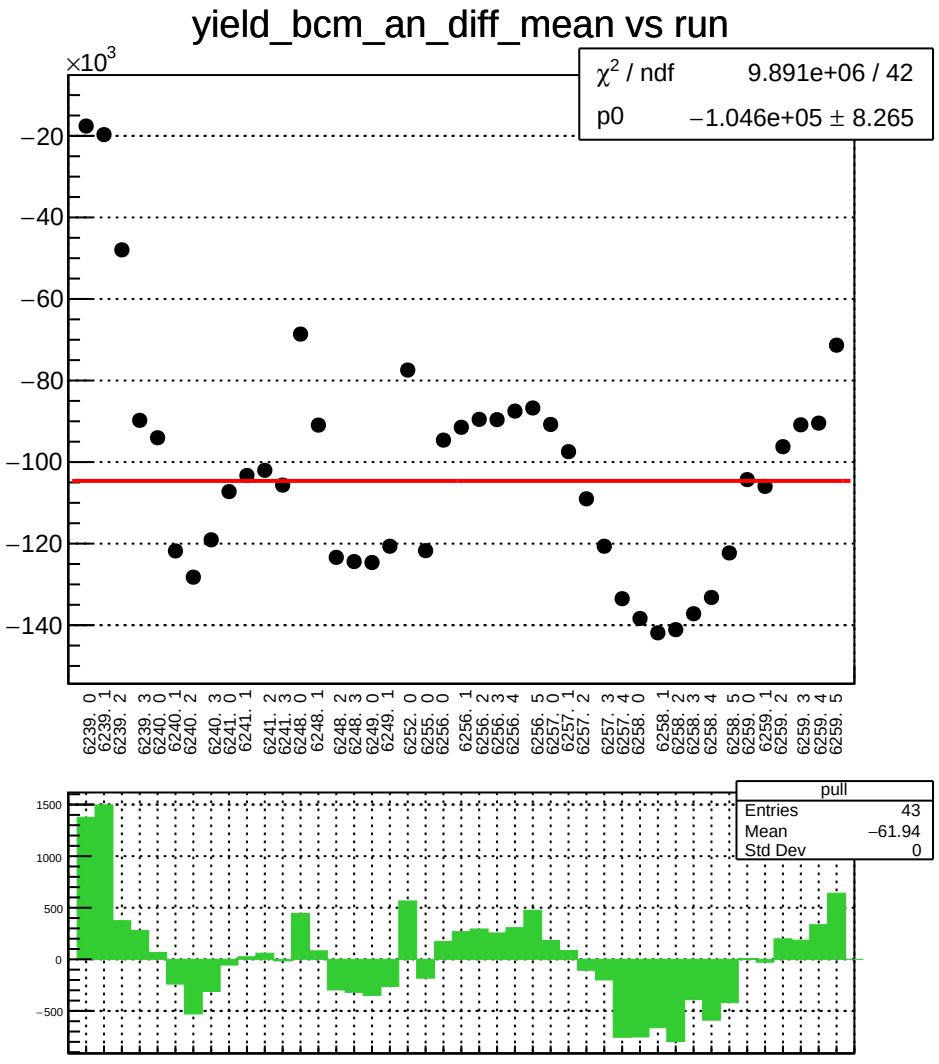

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 33.98 / 42
p0 26.22 ± 49.81
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.811
Std Dev 17.02
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02704
Std Dev 0.8886
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

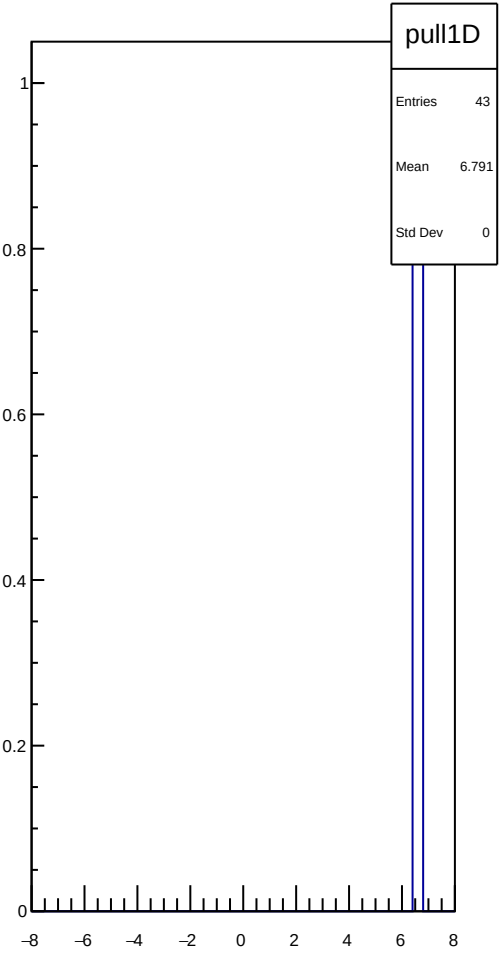

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 5561 / 42
p0 32.74 ± 0.03522
46
44
42
40
38
36
34
32
30
28
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

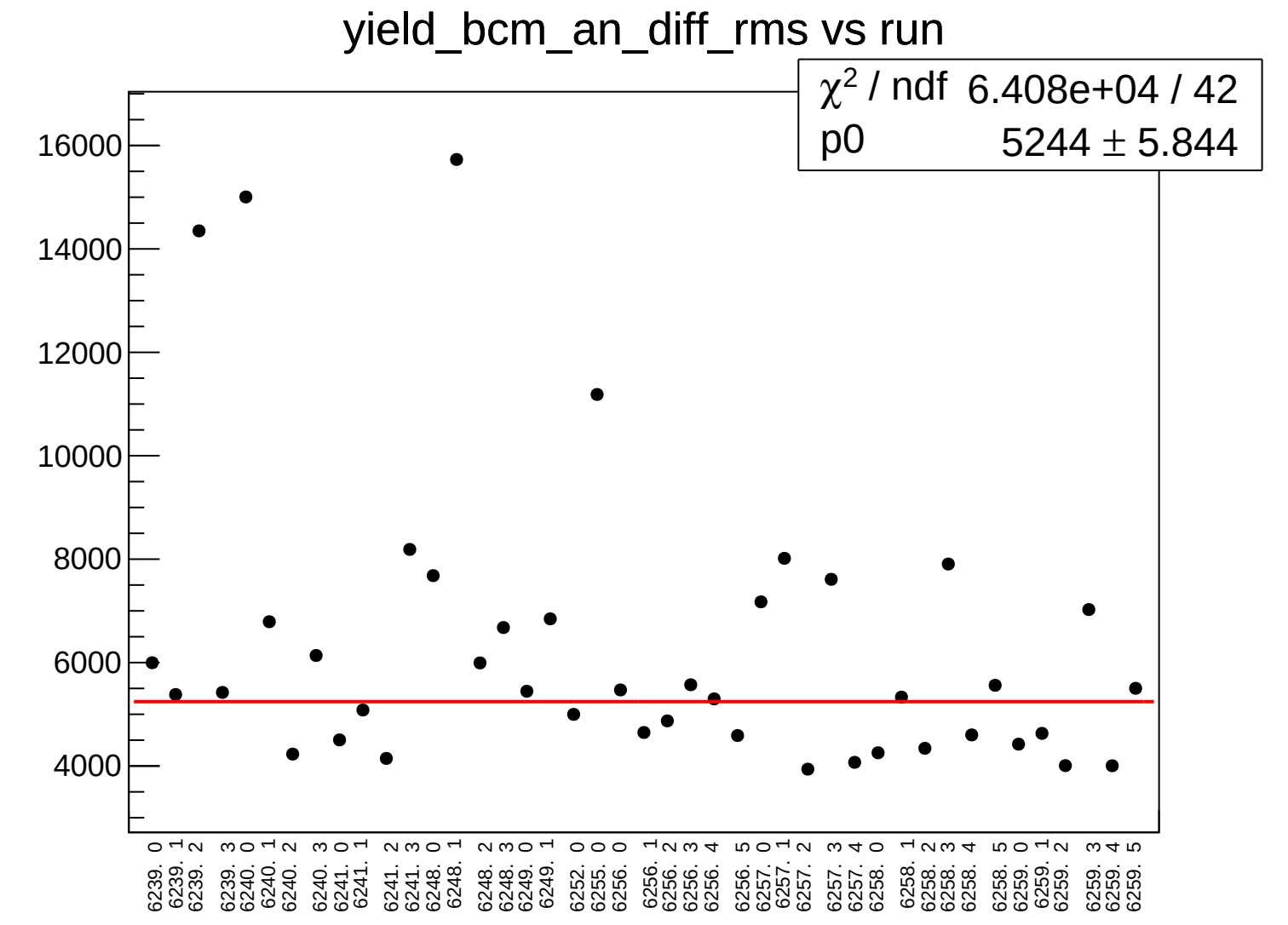

yield_bcm_target_mean vs run
χ² / ndf 4.95e+06 / 42
p0 147.4 ± 0.0005187
148
147
146
145
144
143
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −76.46
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

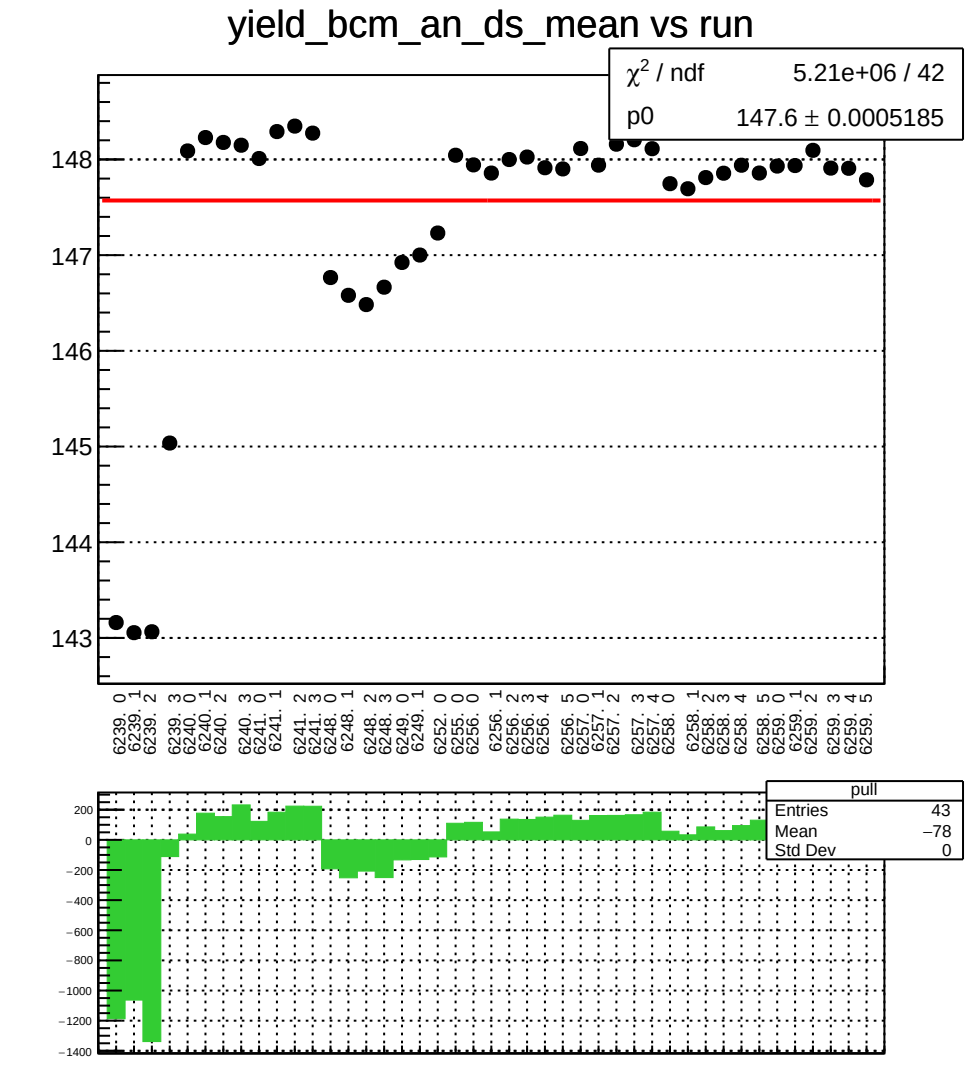

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

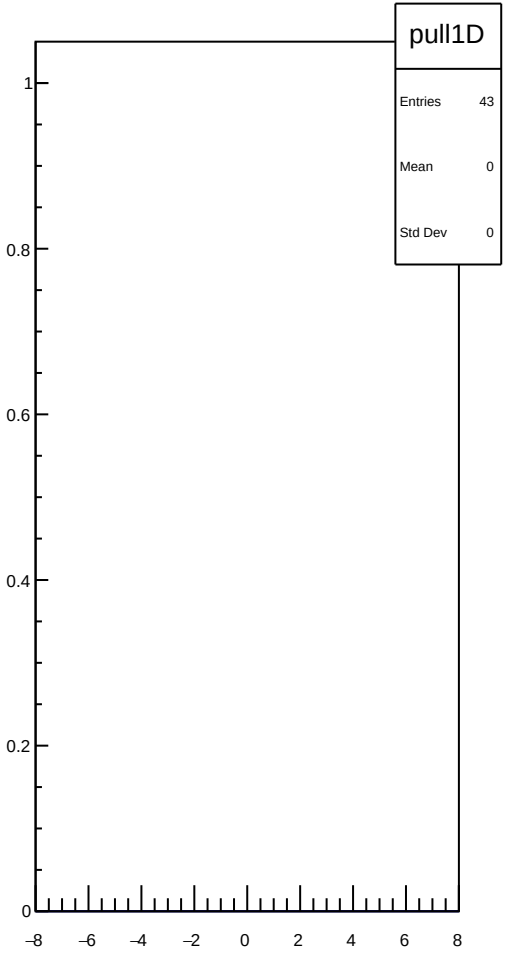

yield_bcm_target_rms vs run
χ² / ndf 6.477e+04 / 42
p0 0.329 ± 0.0003668
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

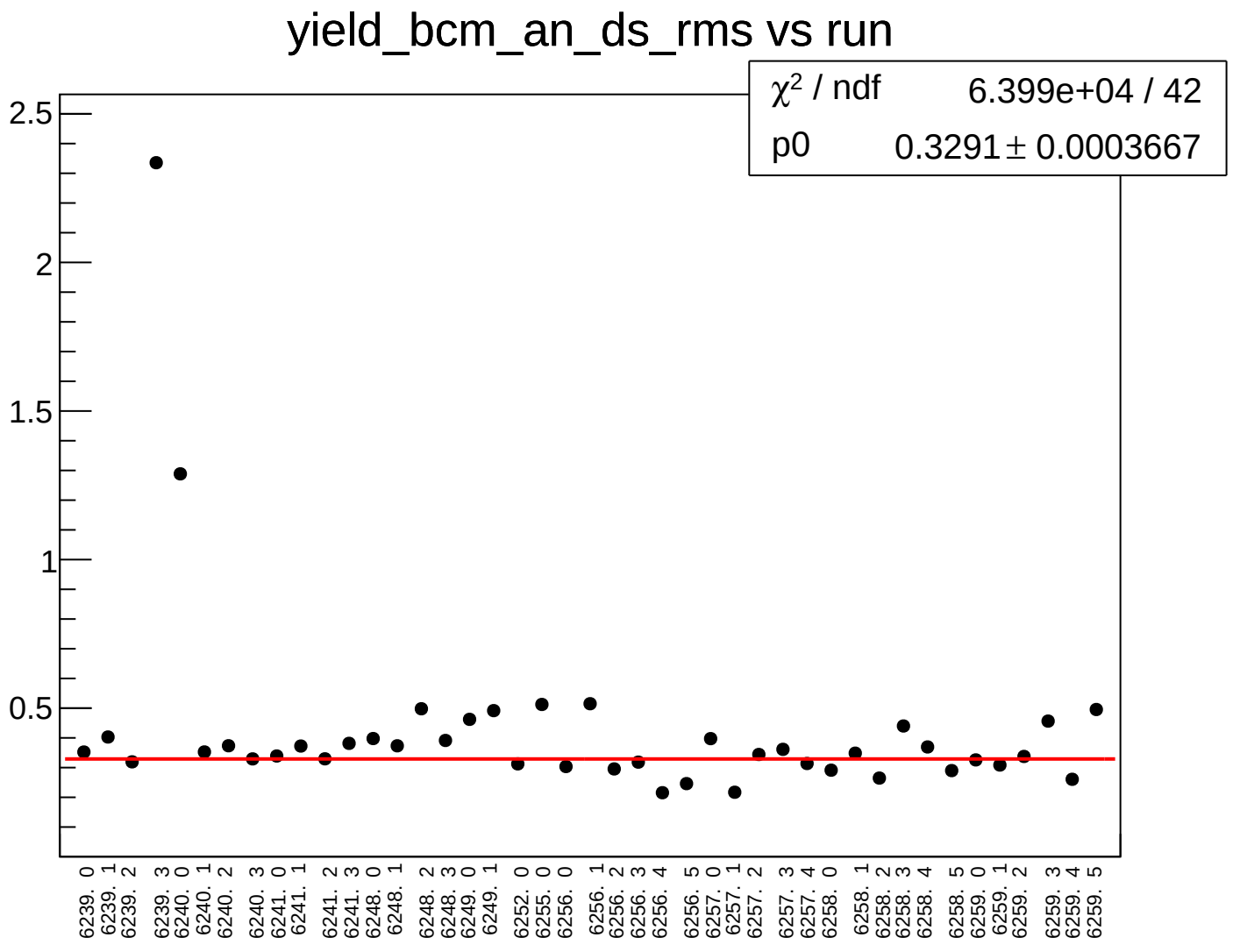

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 9.891e+06 / 42
p0 −1.046e+05 ± 8.265
−20
−40
−60
−80
−100
−120
−140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −61.94
Std Dev 0
1500
1000
500
0
−500

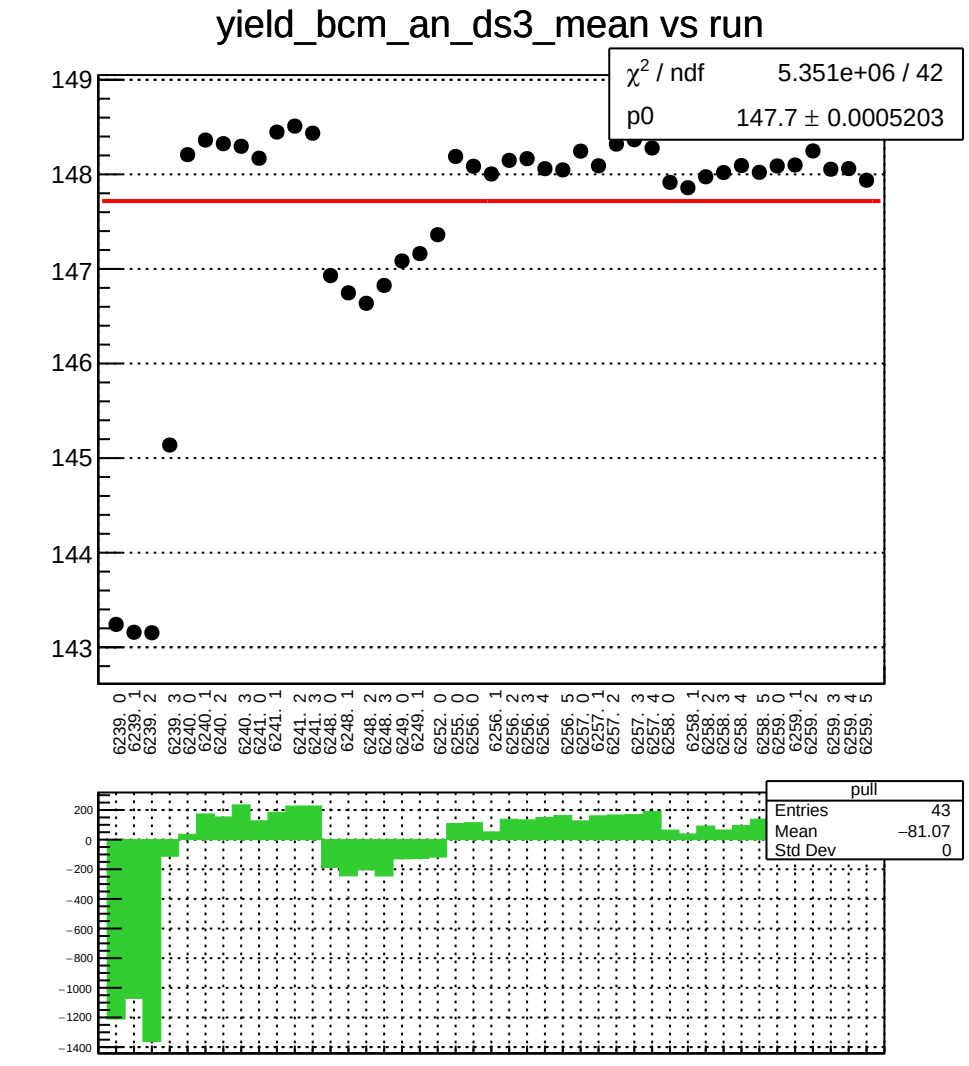

pull1D
Entries 43
Mean 6.791
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

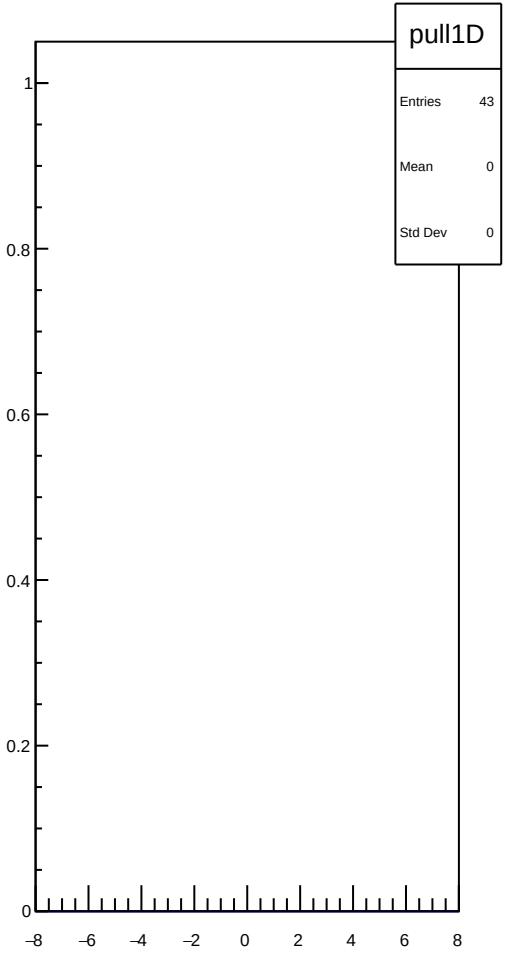

yield_bcm_an_diff_rms vs run
χ² / ndf 6.408e+04 / 42
p0 5244 ± 5.844
16000
14000
12000
10000
8000
6000
4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

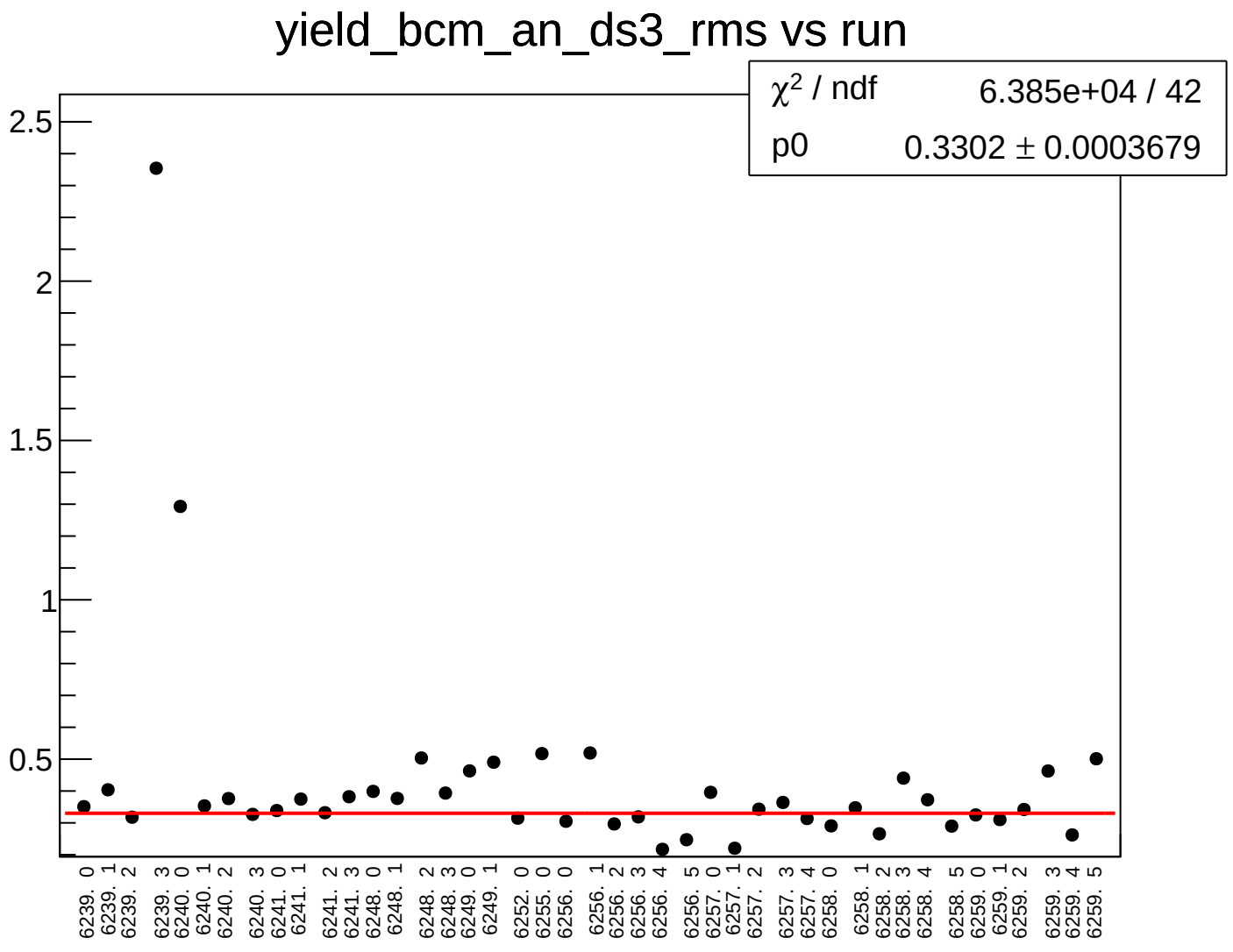

yield_bcm_an_ds_mean vs run
χ² / ndf 5.21e+06 / 42
p0 147.6 ± 0.0005185
148
147
146
145
144
143
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −78
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400

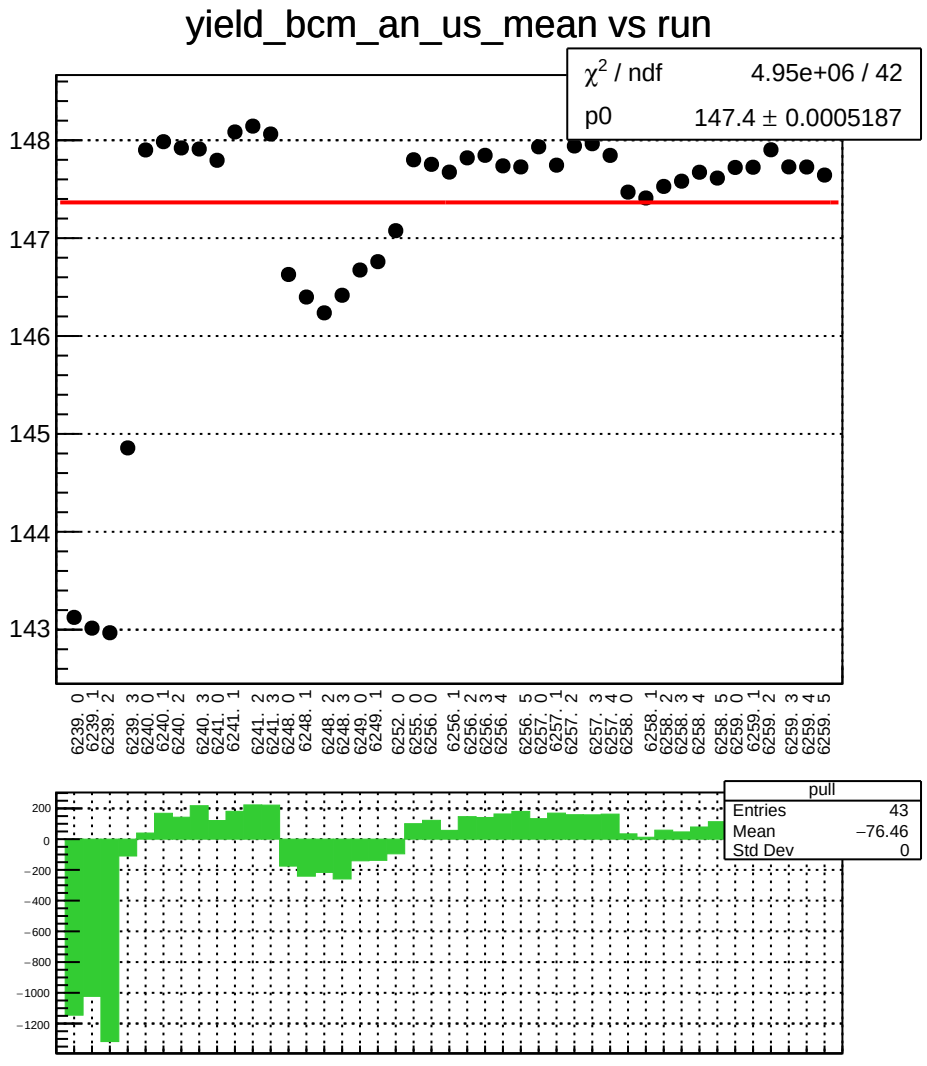

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

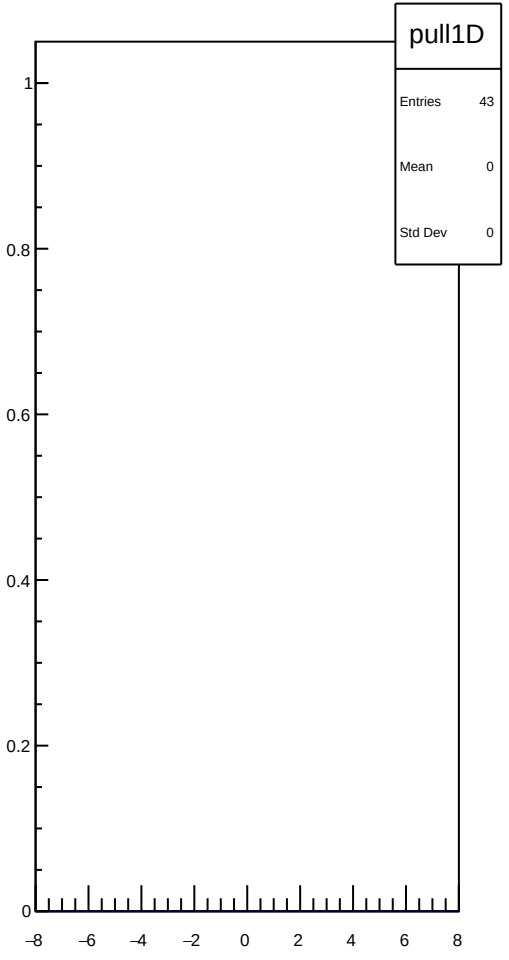

yield_bcm_an_ds_rms vs run
χ² / ndf 6.399e+04 / 42
p0 0.3291 ± 0.0003667
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

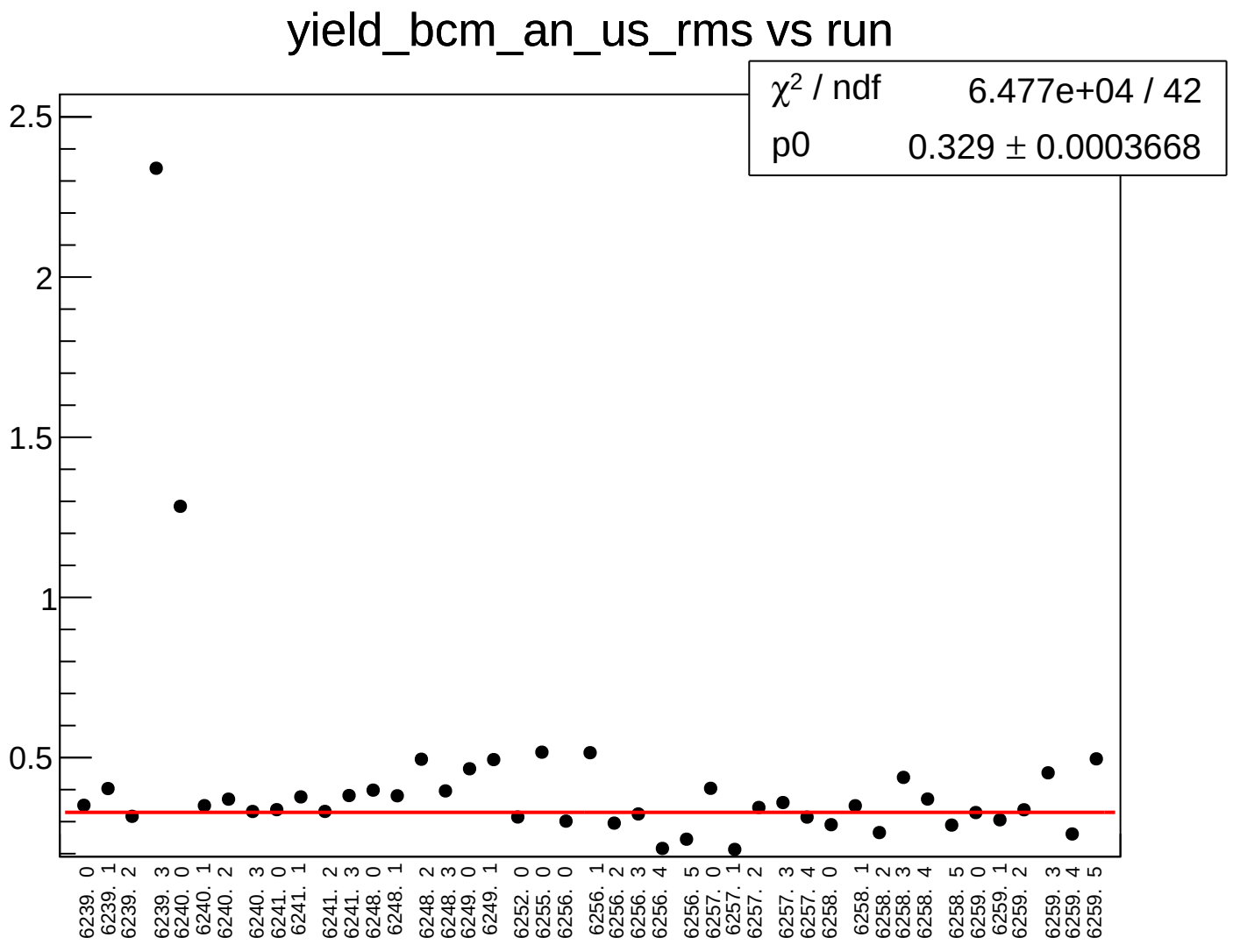

yield_bcm_an_ds3_mean vs run
χ² / ndf 5.351e+06 / 42
p0 147.7 ± 0.0005203
149
148
147
146
145
144
143
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −81.07
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400

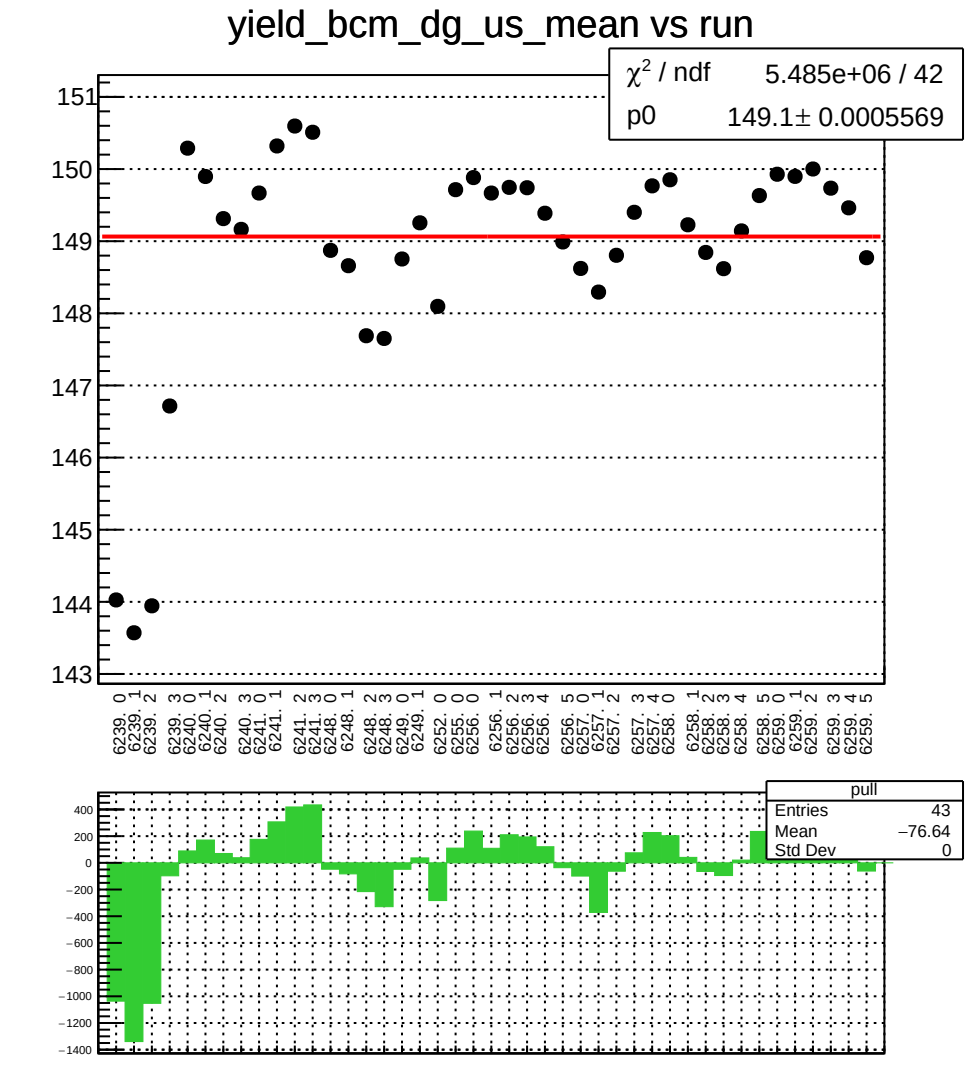

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

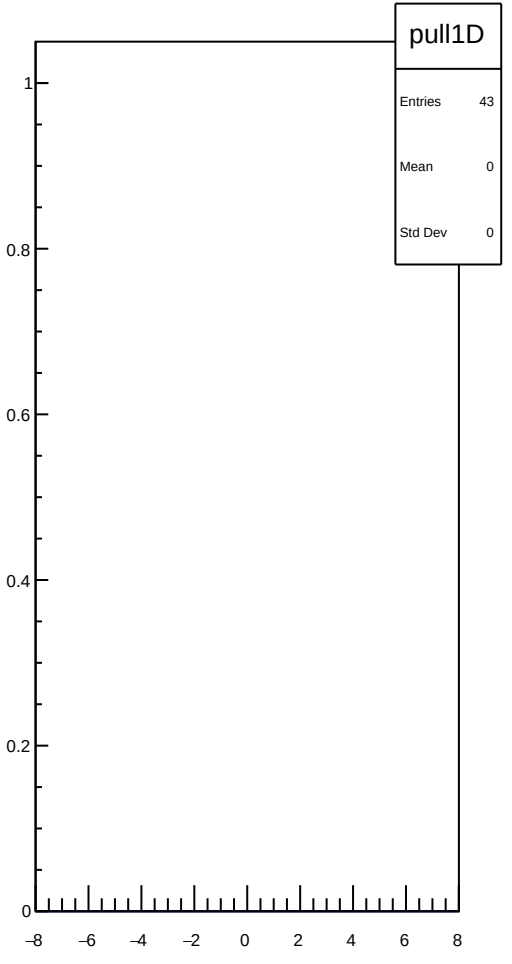

yield_bcm_an_ds3_rms vs run
χ² / ndf 6.385e+04 / 42
p0 0.3302 ± 0.0003679
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

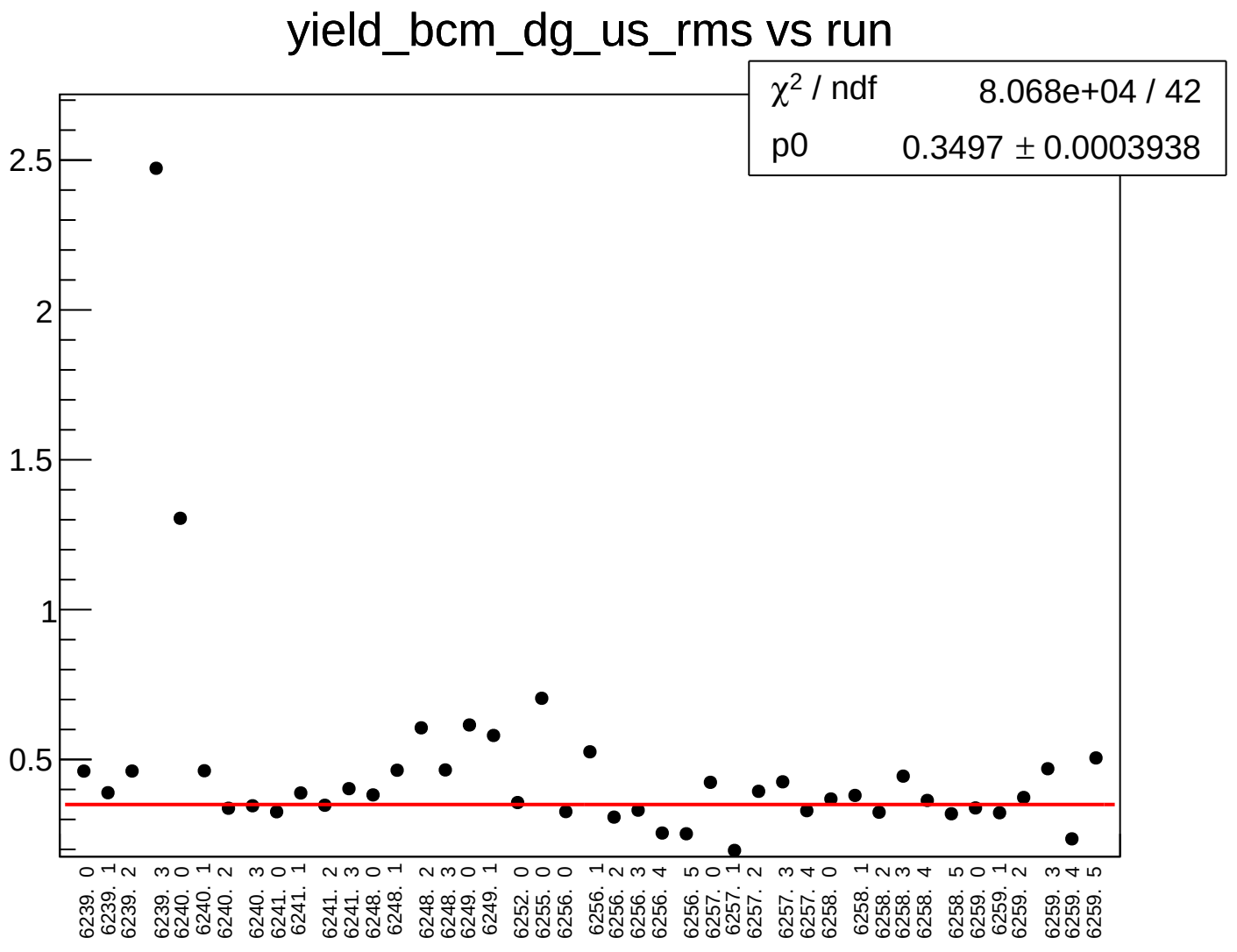

yield_bcm_an_us_mean vs run
χ² / ndf 4.95e+06 / 42
p0 147.4 ± 0.0005187
148
147
146
145
144
143
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −76.46
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

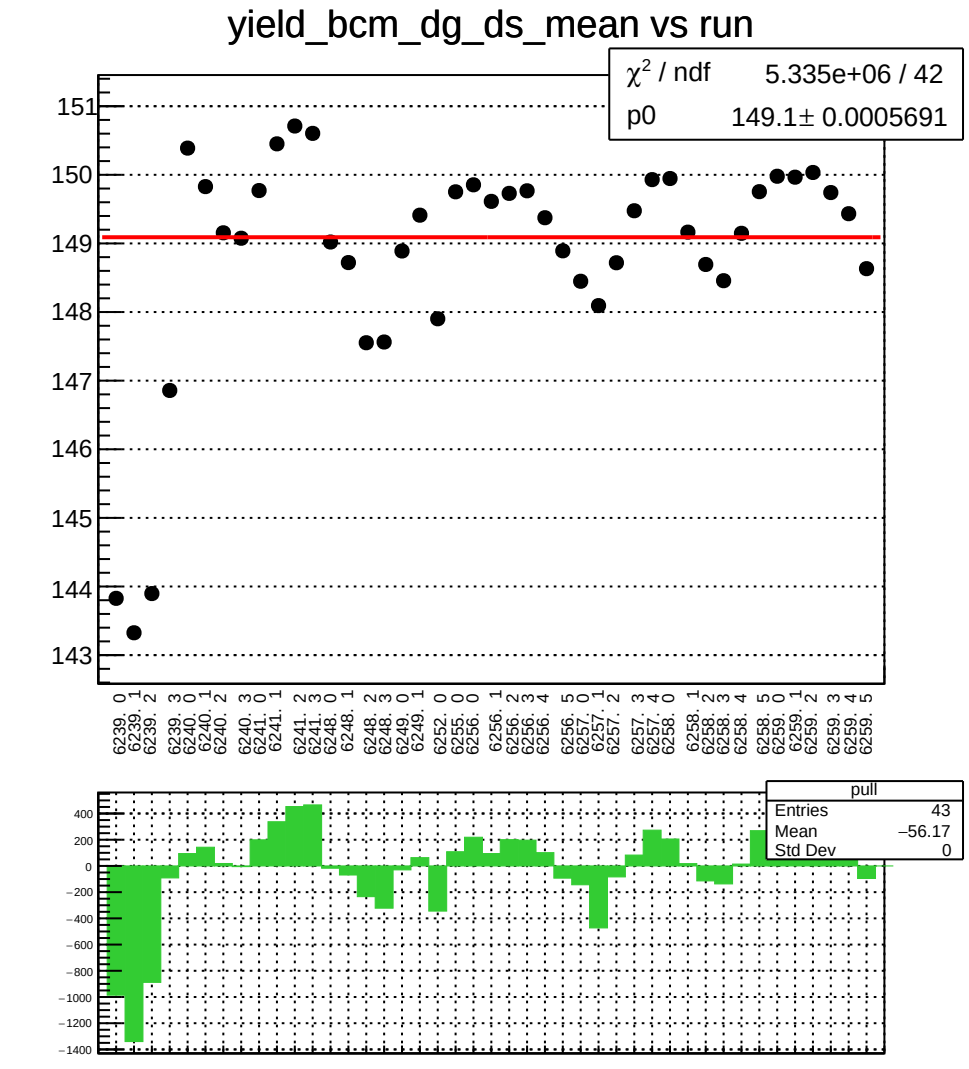

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

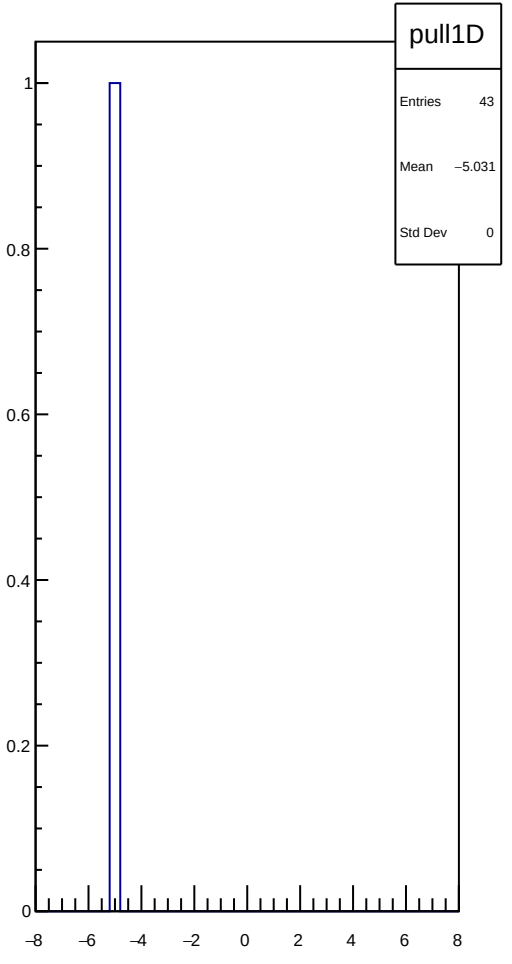

yield_bcm_an_us_rms vs run
χ² / ndf 6.477e+04 / 42
p0 0.329 ± 0.0003668
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

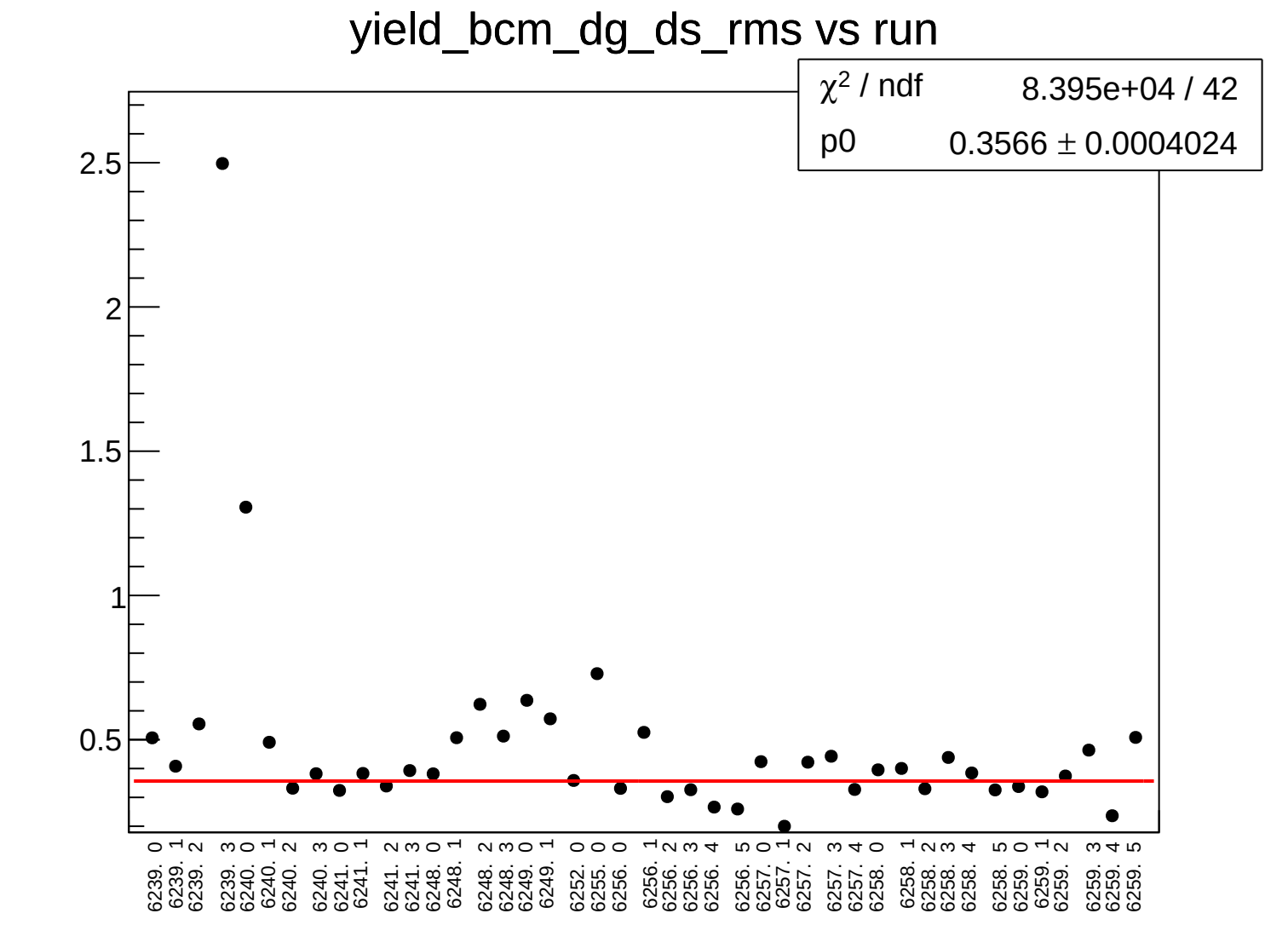

yield_bcm_dg_us_mean vs run
χ² / ndf 5.485e+06 / 42
p0 149.1± 0.0005569
151
150
149
148
147
146
145
144
143
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −76.64
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

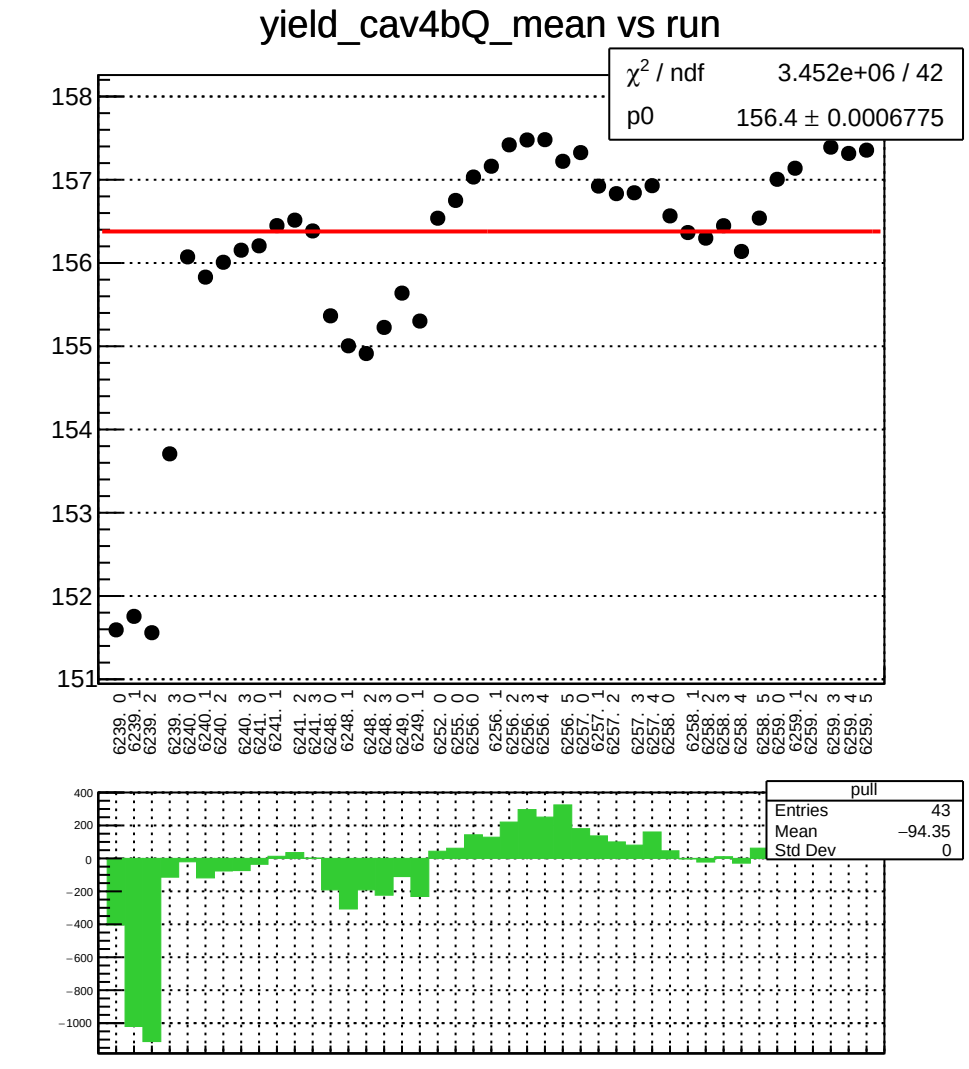

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

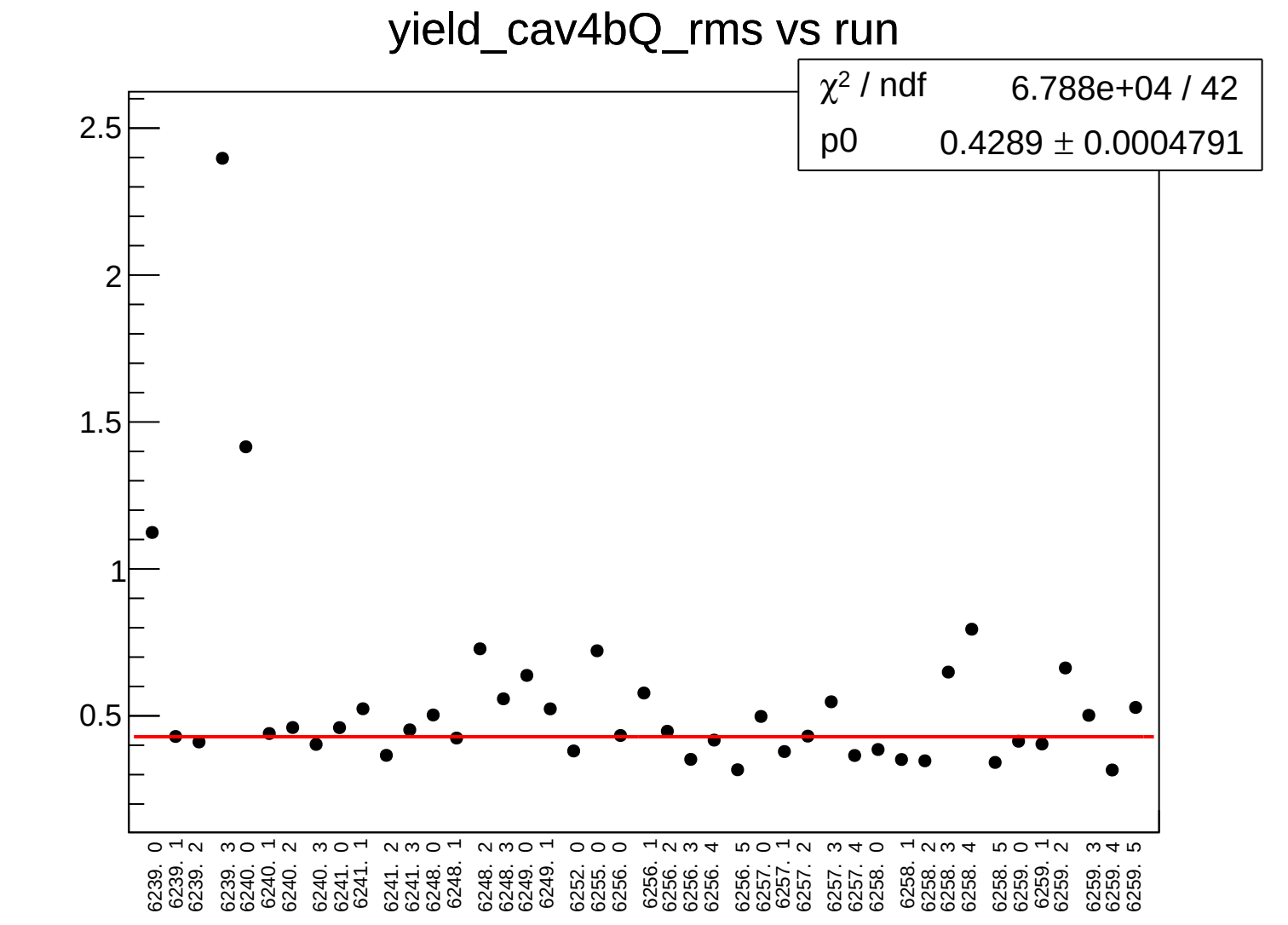

yield_bcm_dg_us_rms vs run
χ² / ndf 8.068e+04 / 42
p0 0.3497 ± 0.0003938
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

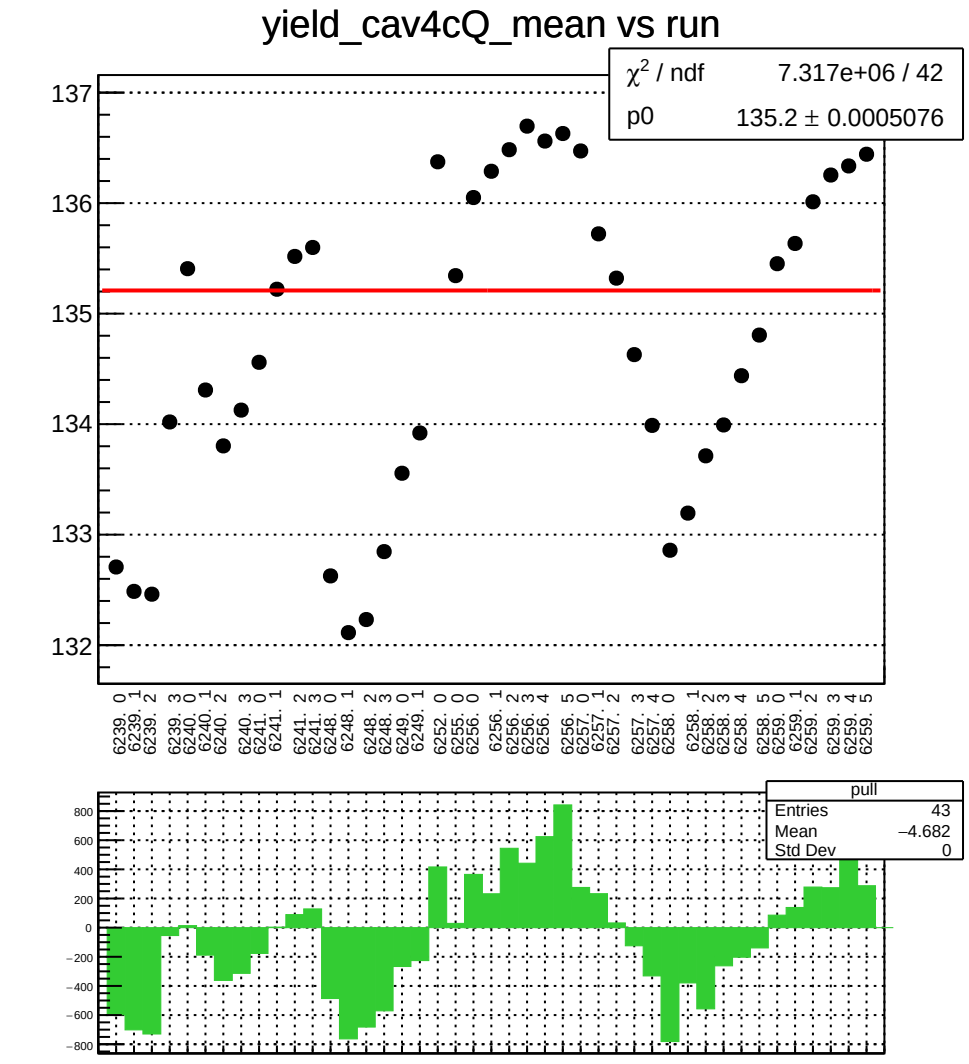

yield_bcm_dg_ds_mean vs run
χ² / ndf 5.335e+06 / 42
p0 149.1± 0.0005691
151
150
149
148
147
146
145
144
143
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −56.17
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

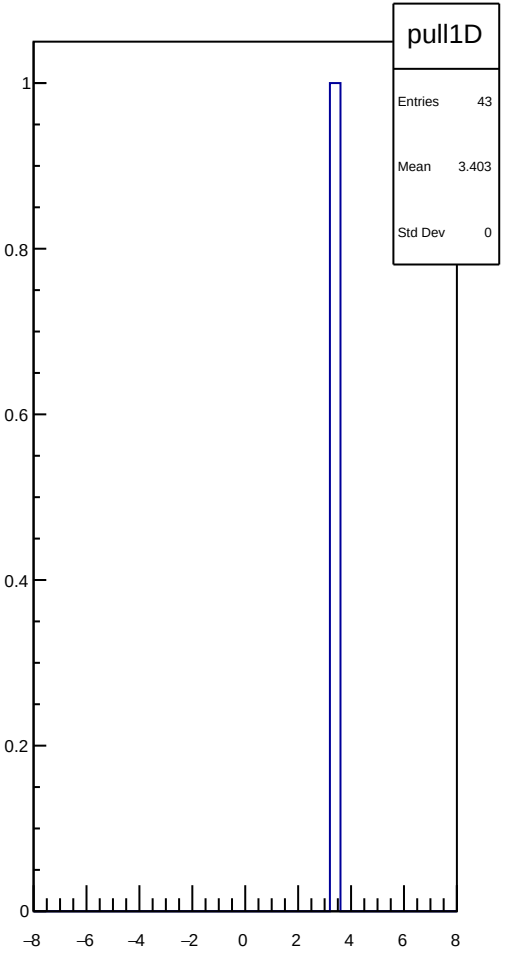

pull1D
Entries 43
Mean −5.031
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

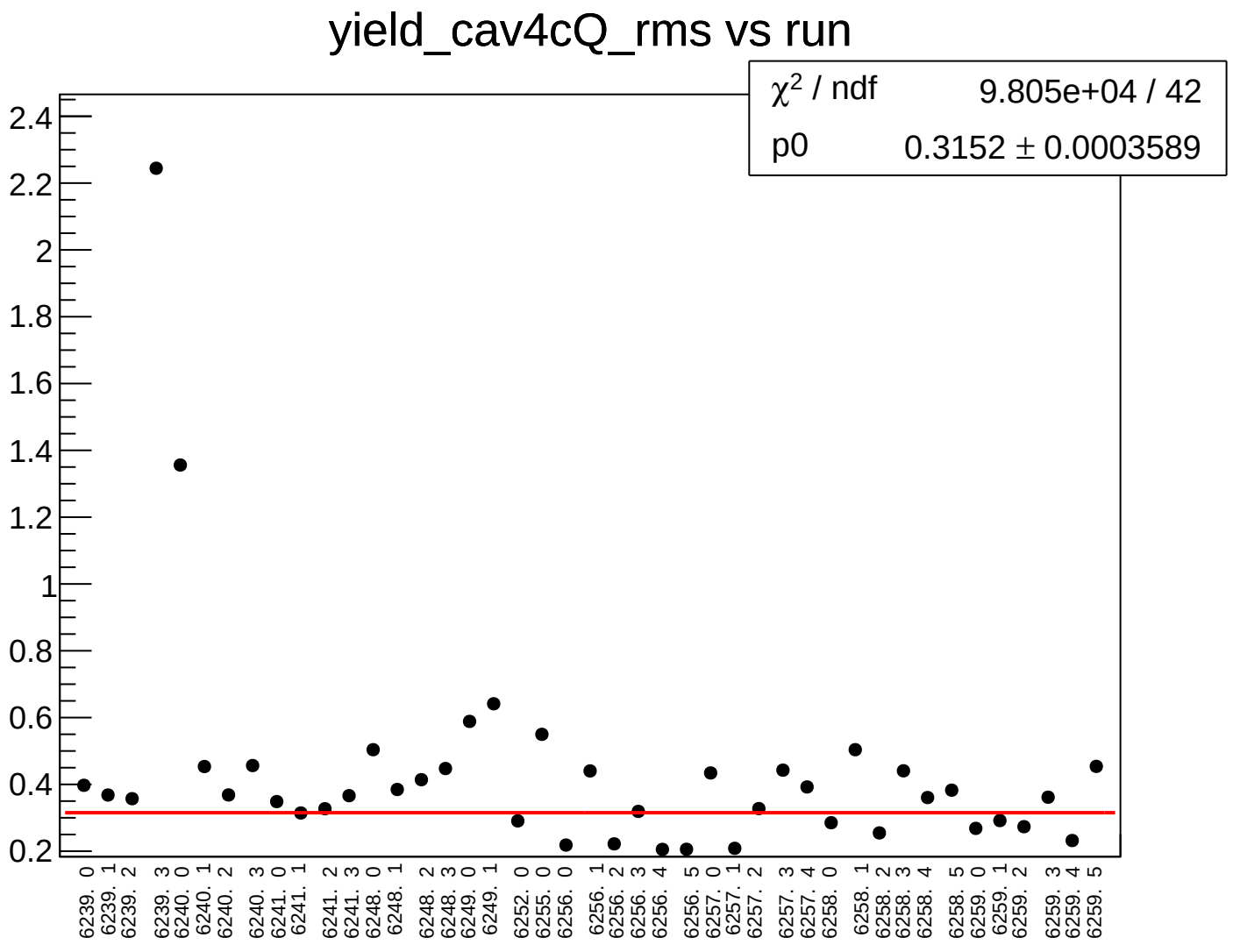

yield_bcm_dg_ds_rms vs run
χ2 / ndf 8.395e+04 / 42
p0 0.3566 ± 0.0004024
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

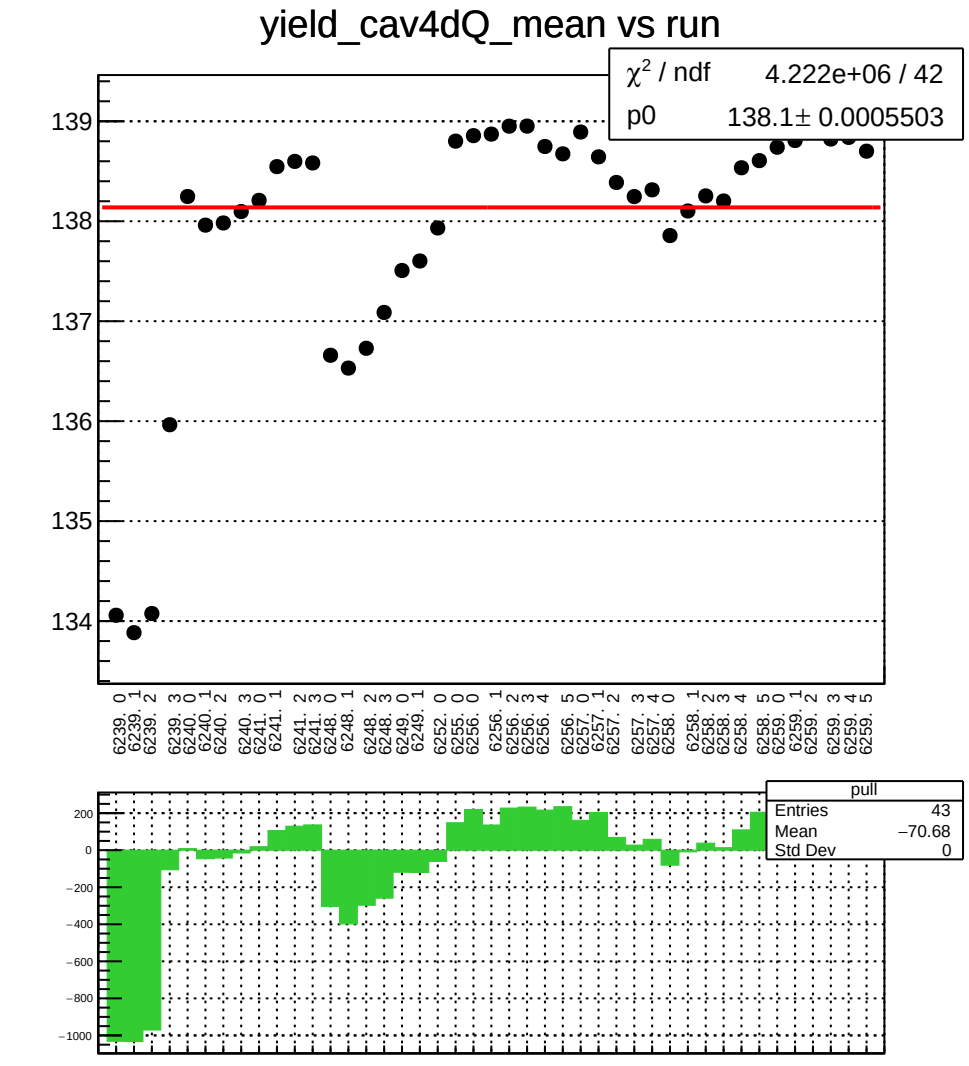

yield_cav4bQ_mean vs run
χ² / ndf 3.452e+06 / 42
p0 156.4 ± 0.0006775
158
157
156
155
154
153
152
151
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −94.35
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 43
Mean −0.8954
Std Dev 2.582
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

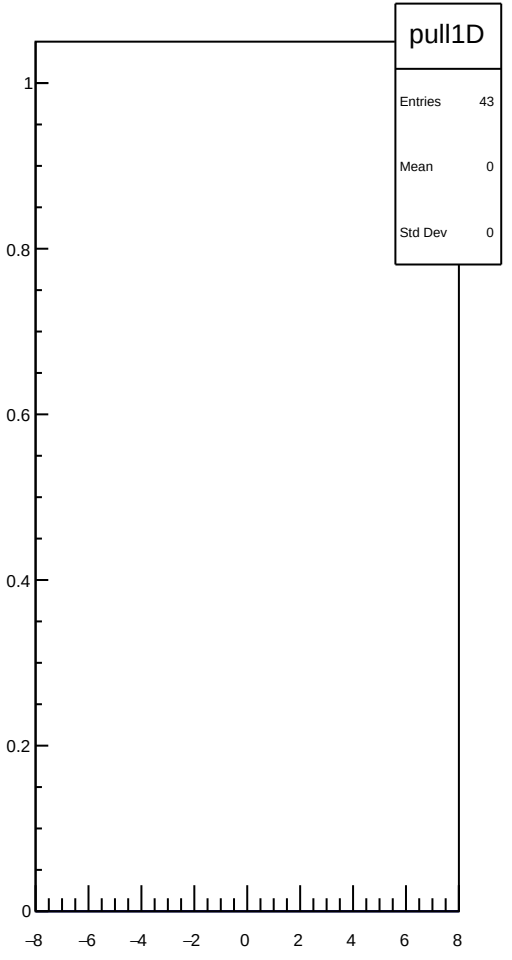

yield_cav4bQ_rms vs run
χ² / ndf 6.788e+04 / 42
p0 0.4289 ± 0.0004791
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

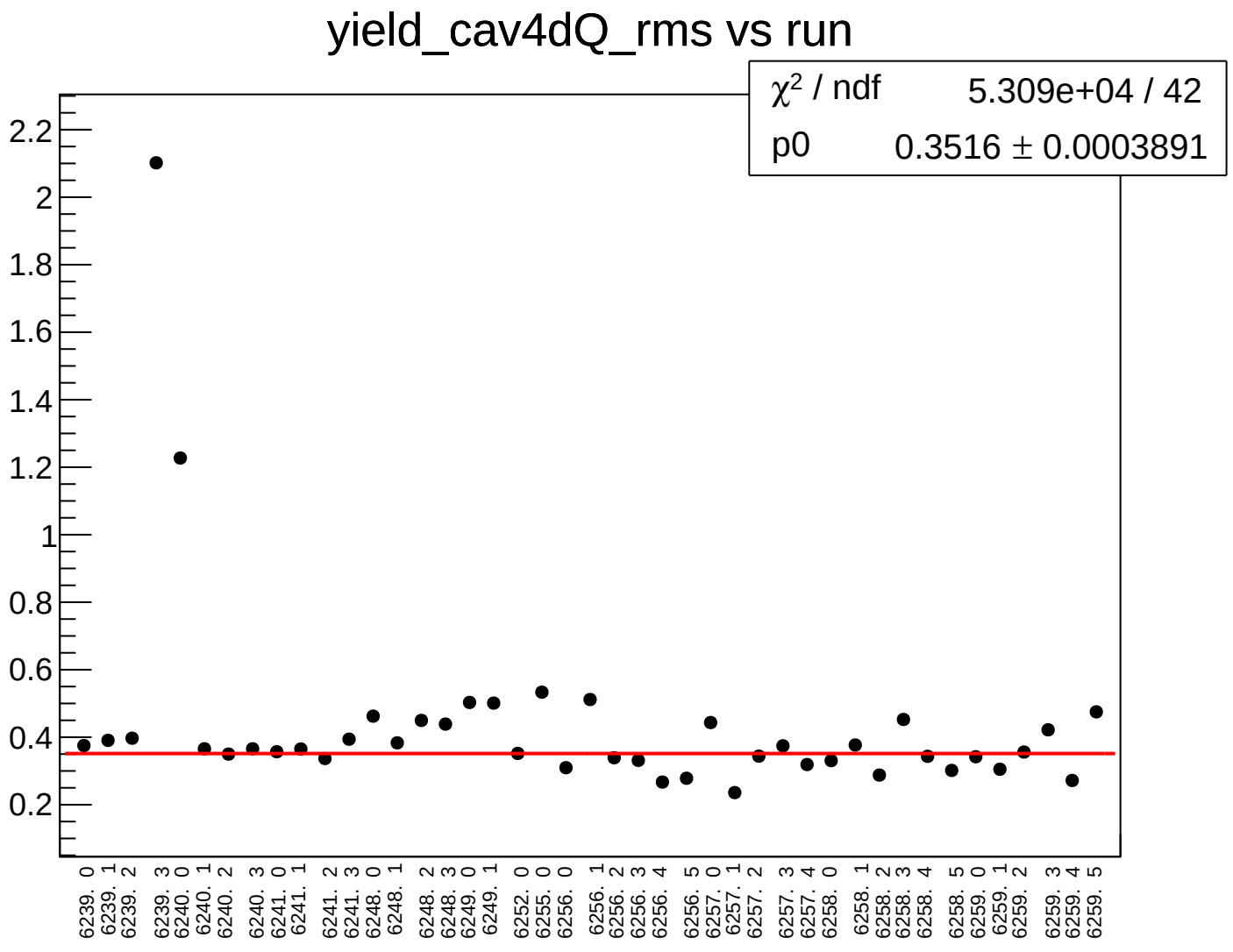

yield_cav4cQ_mean vs run
χ² / ndf 7.317e+06 / 42
p0 135.2 ± 0.0005076
137
136
135
134
133
132
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4.682
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

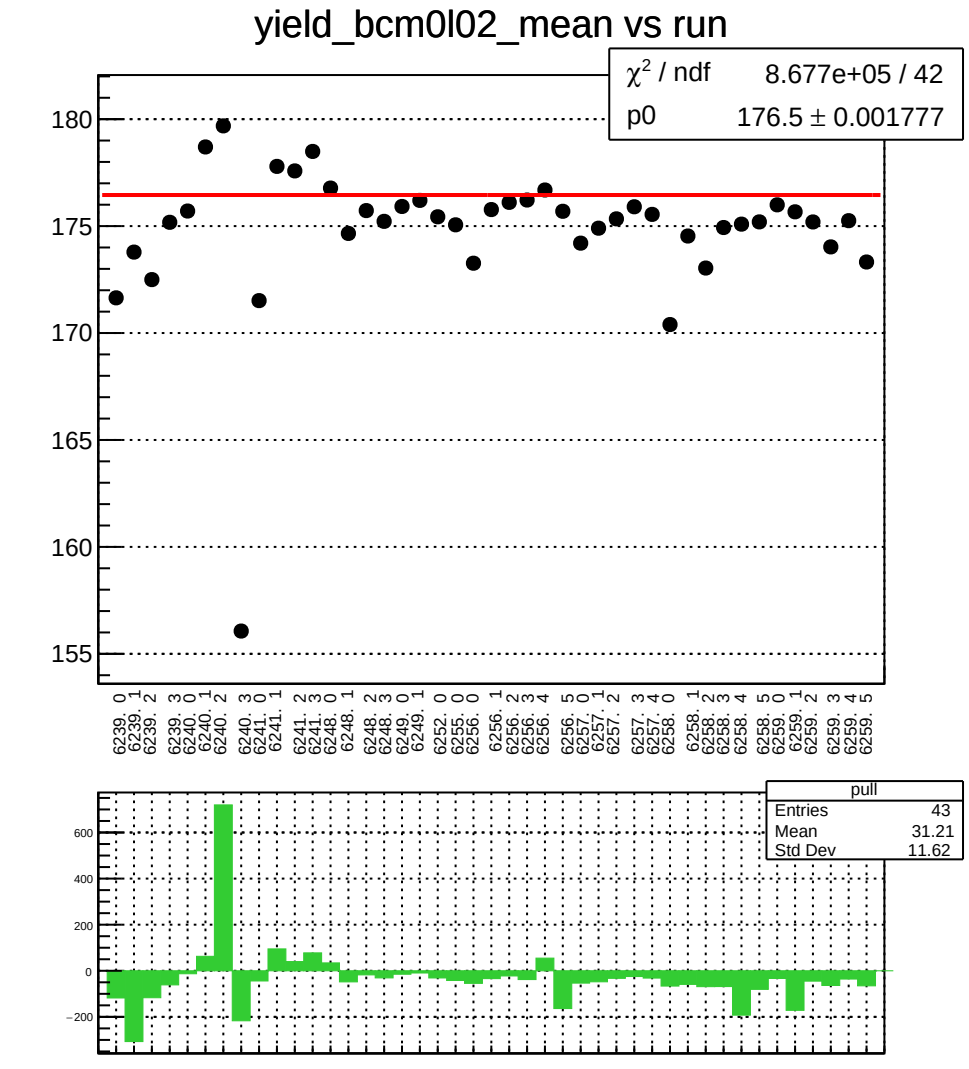

pull1D
Entries 43
Mean 3.403
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

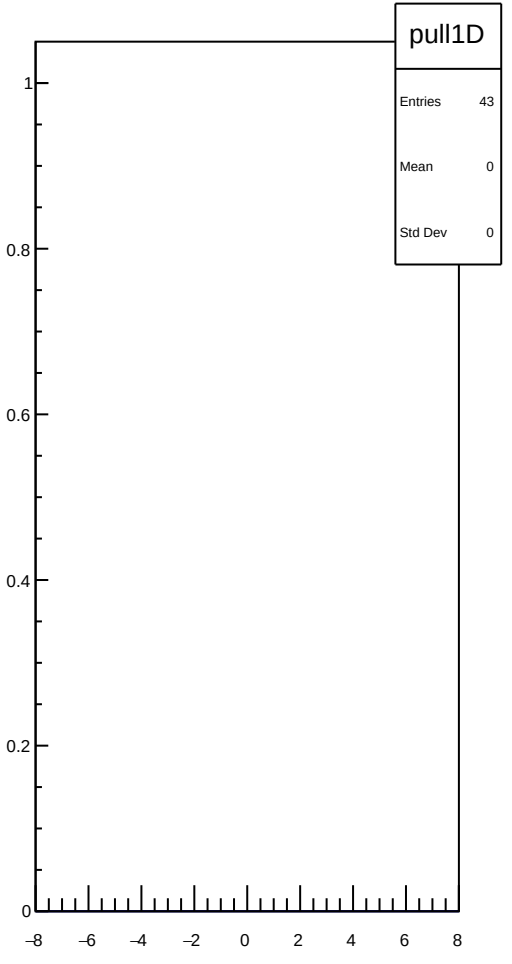

yield_cav4cQ_rms vs run
χ² / ndf 9.805e+04 / 42
p0 0.3152 ± 0.0003589
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

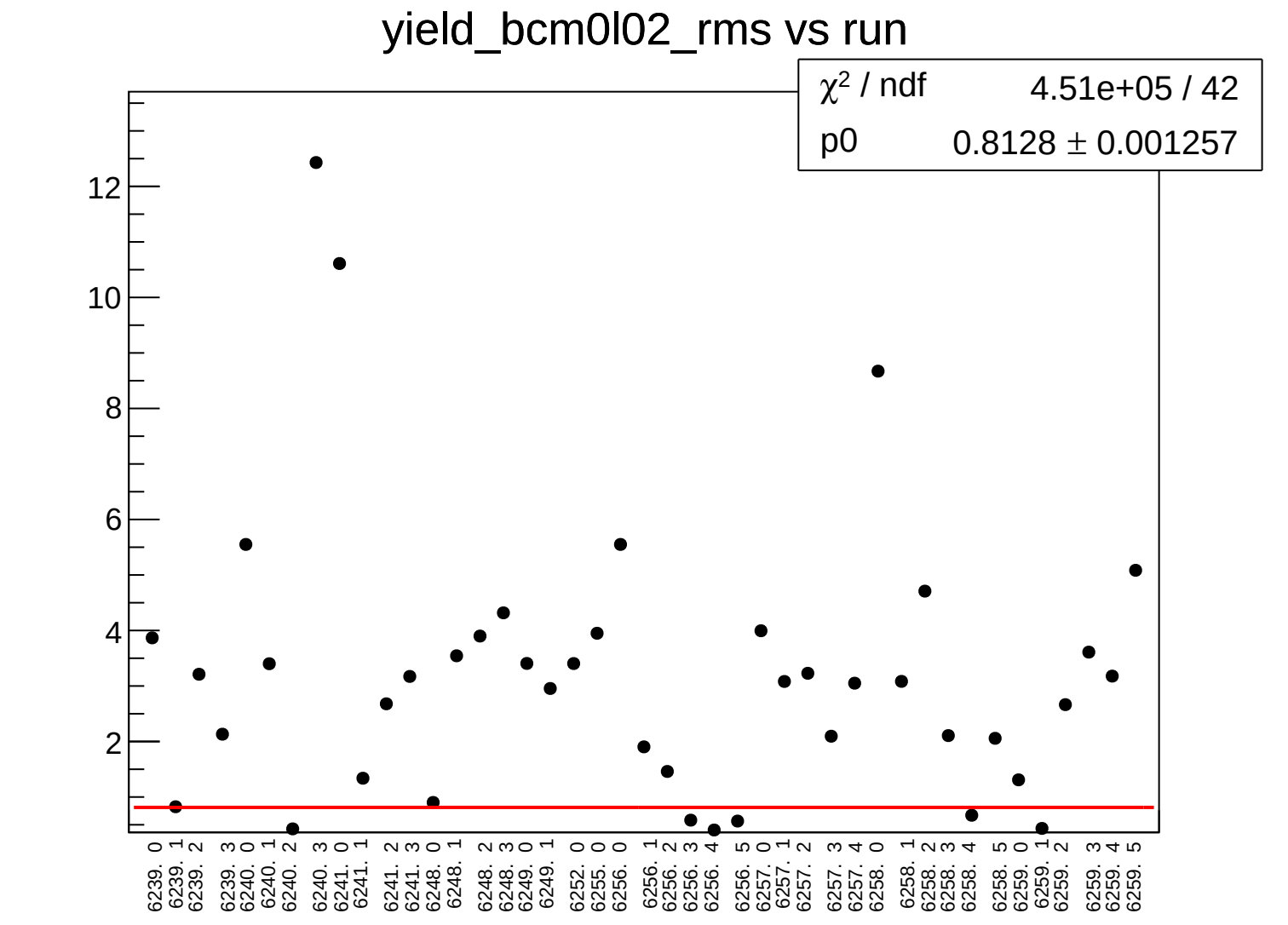

yield_cav4dQ_mean vs run
χ² / ndf 4.222e+06 / 42
p0 138.1± 0.0005503
139
138
137
136
135
134
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −70.68
Std Dev 0
200
0
−200
−400
−600
−800
−1000

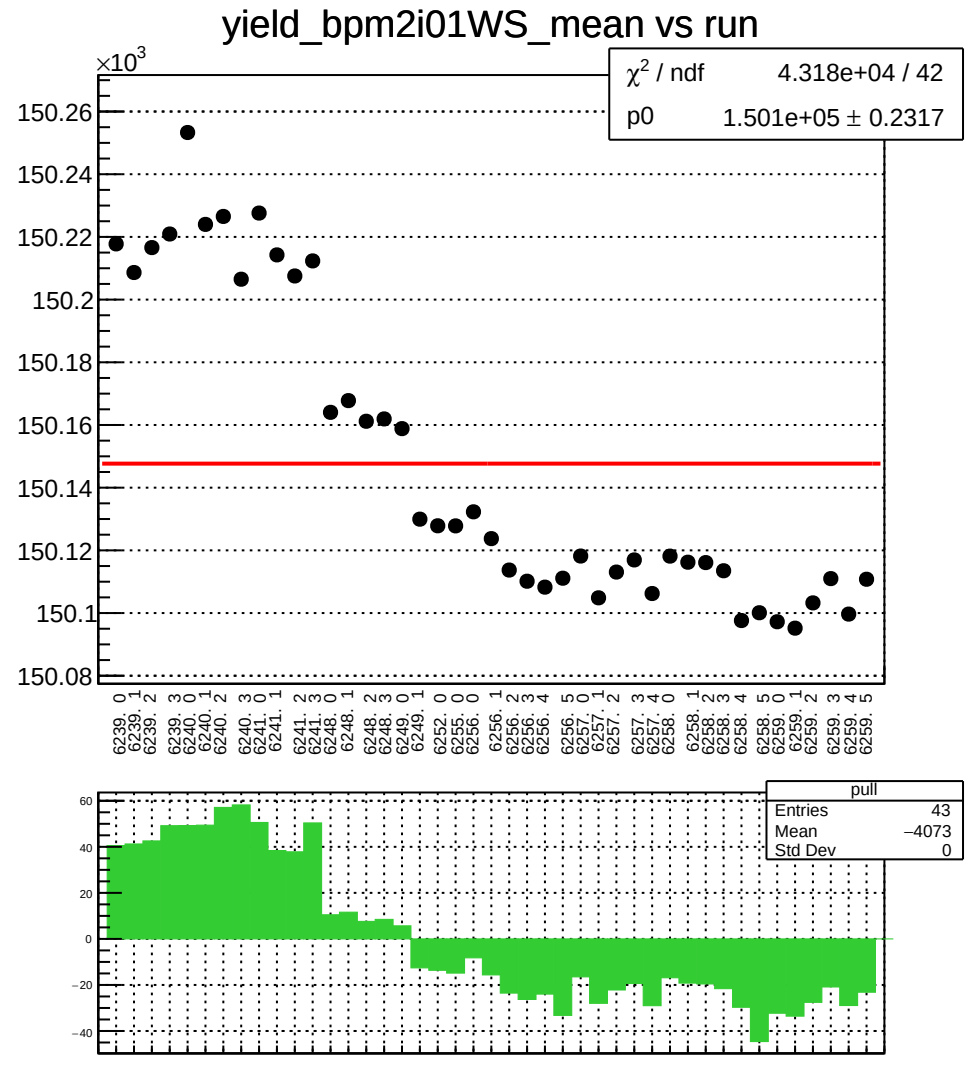

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

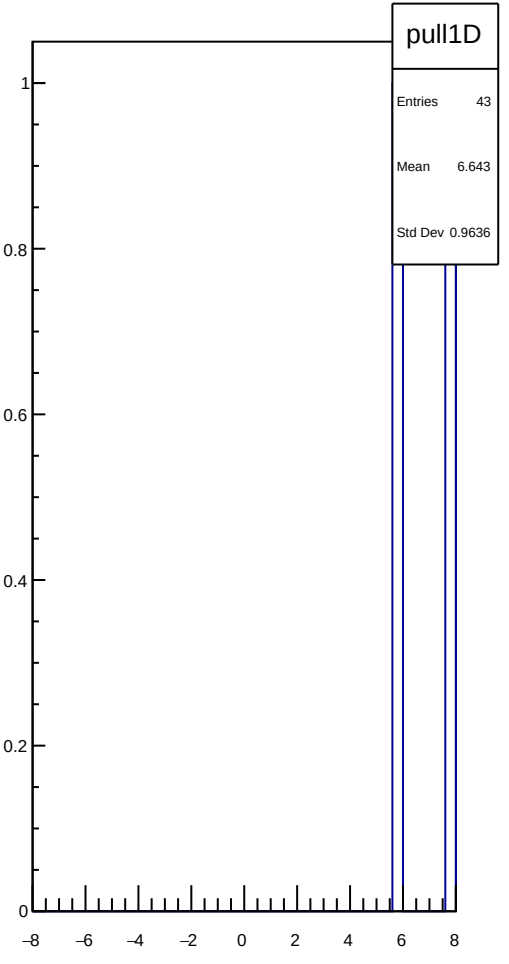

yield_cav4dQ_rms vs run
χ² / ndf 5.309e+04 / 42
p0 0.3516 ± 0.0003891
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

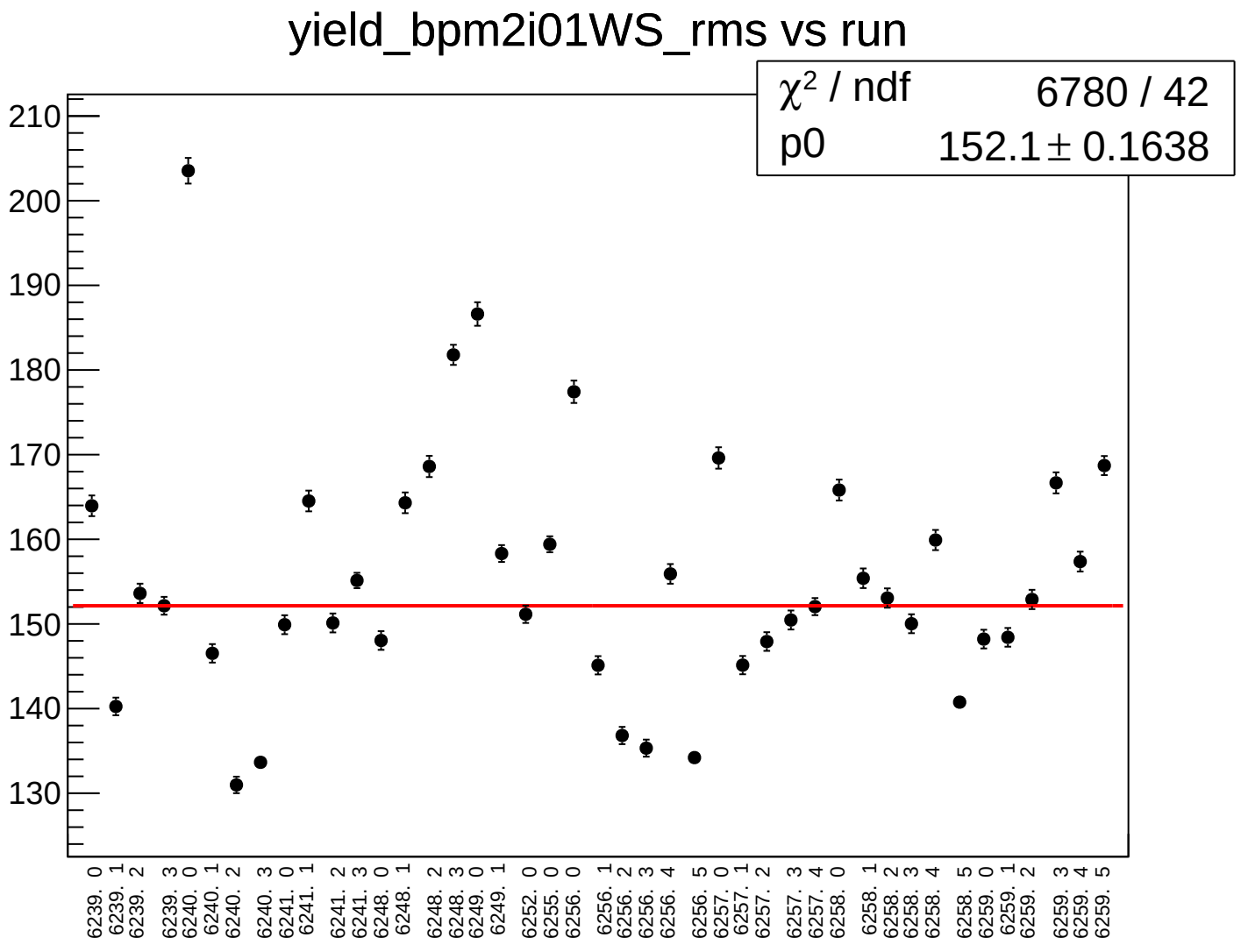

yield_bcm0l02_mean vs run
χ² / ndf 8.677e+05 / 42
p0 176.5 ± 0.001777
180
175
170
165
160
155
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.21
Std Dev 11.62
600
400
200
0
−200

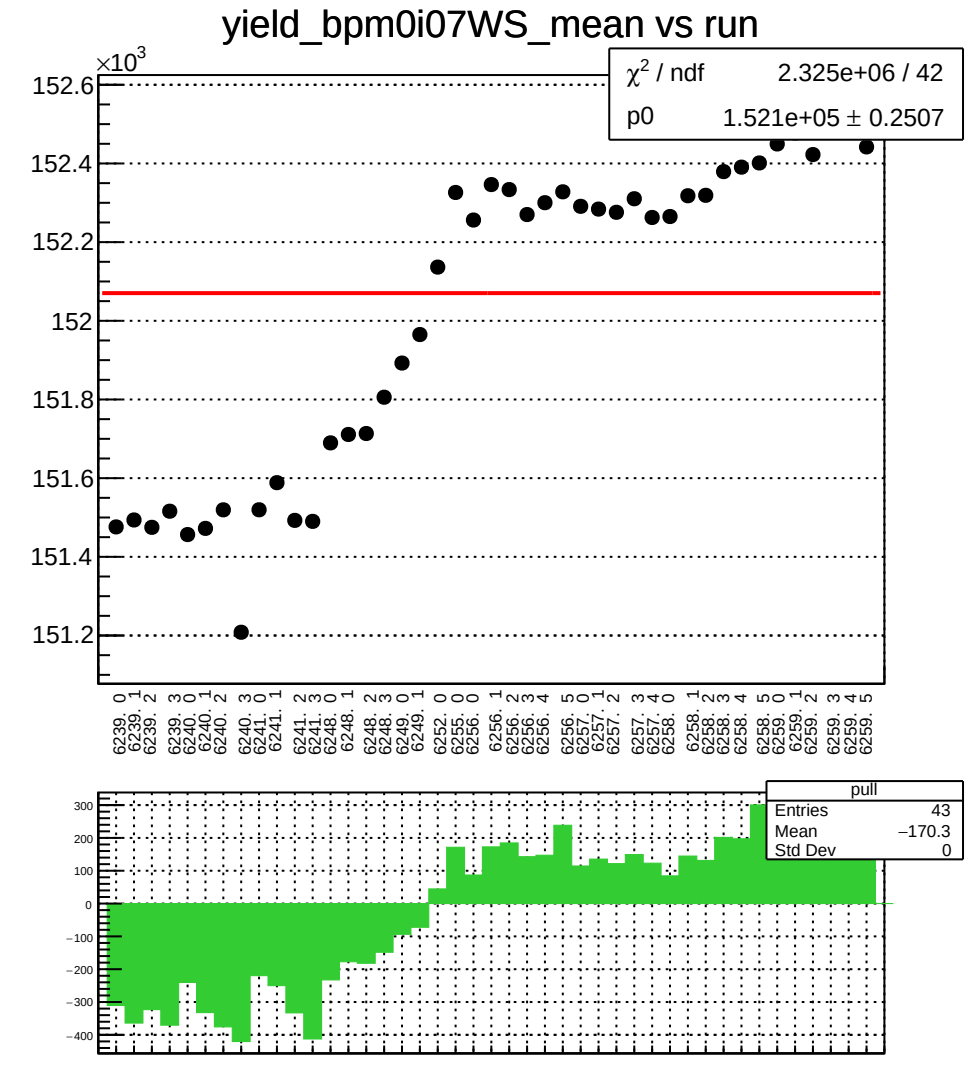

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

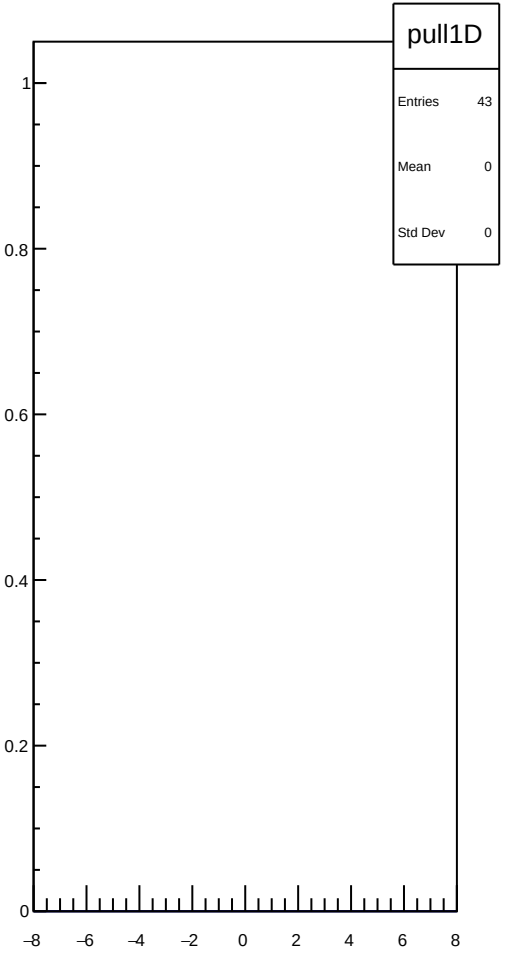

yield_bcm0l02_rms vs run
χ² / ndf 4.51e+05 / 42
p0 0.8128 ± 0.001257
12
10
8
6
4
2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

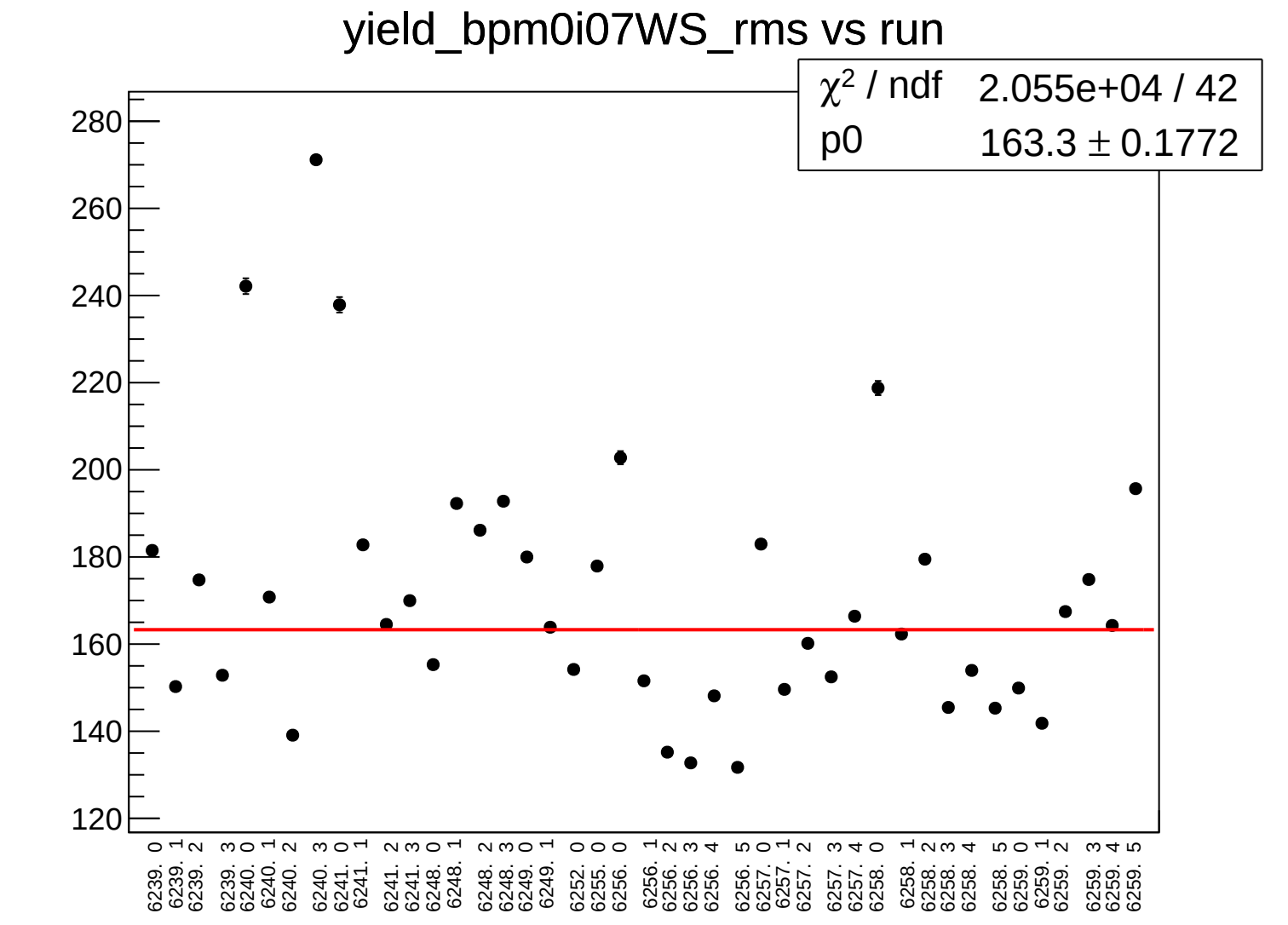

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 4.318e+04 / 42
p0 1.501e+05 ± 0.2317
150.26
150.24
150.22
150.2
150.18
150.16
150.14
150.12
150.1
150.08
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4073
Std Dev 0
60
40
20
0
−20
−40

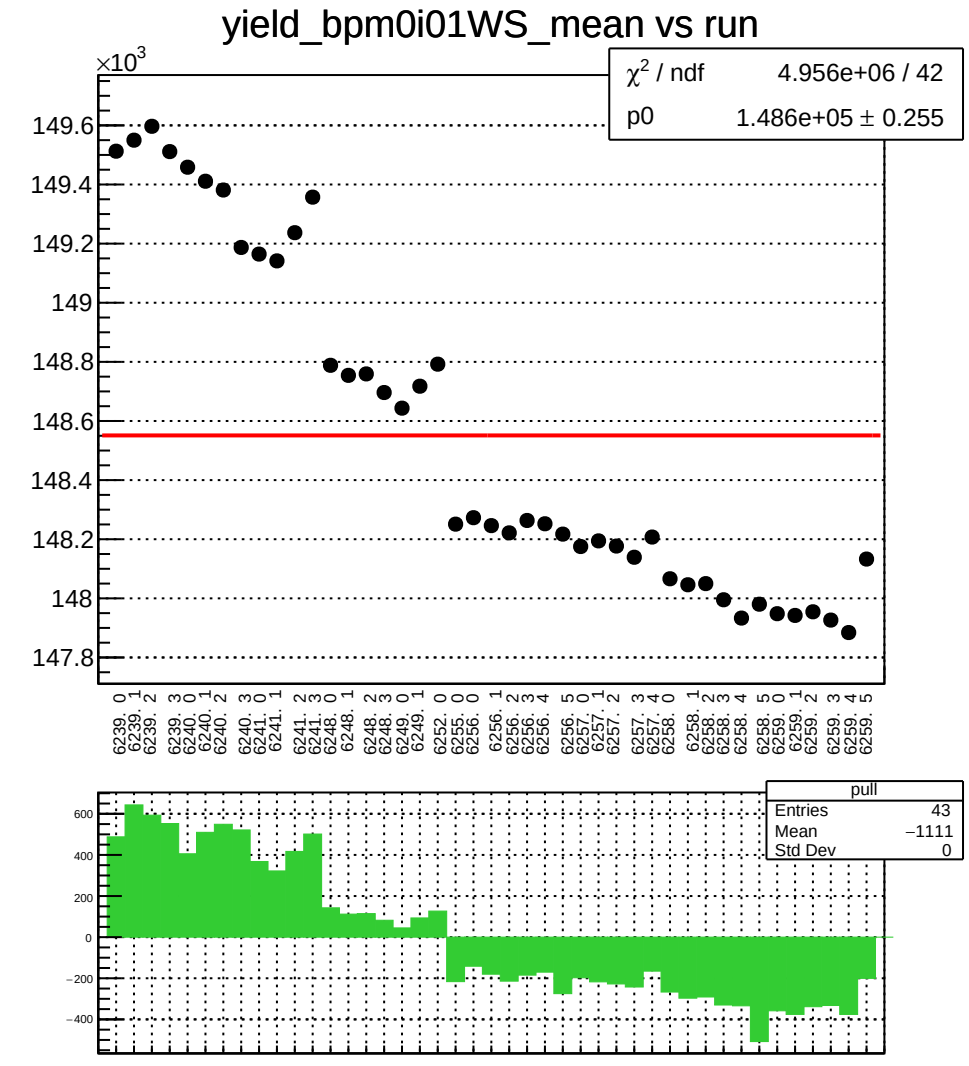

pull1D
Entries 43
Mean 6.643
Std Dev 0.9636
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

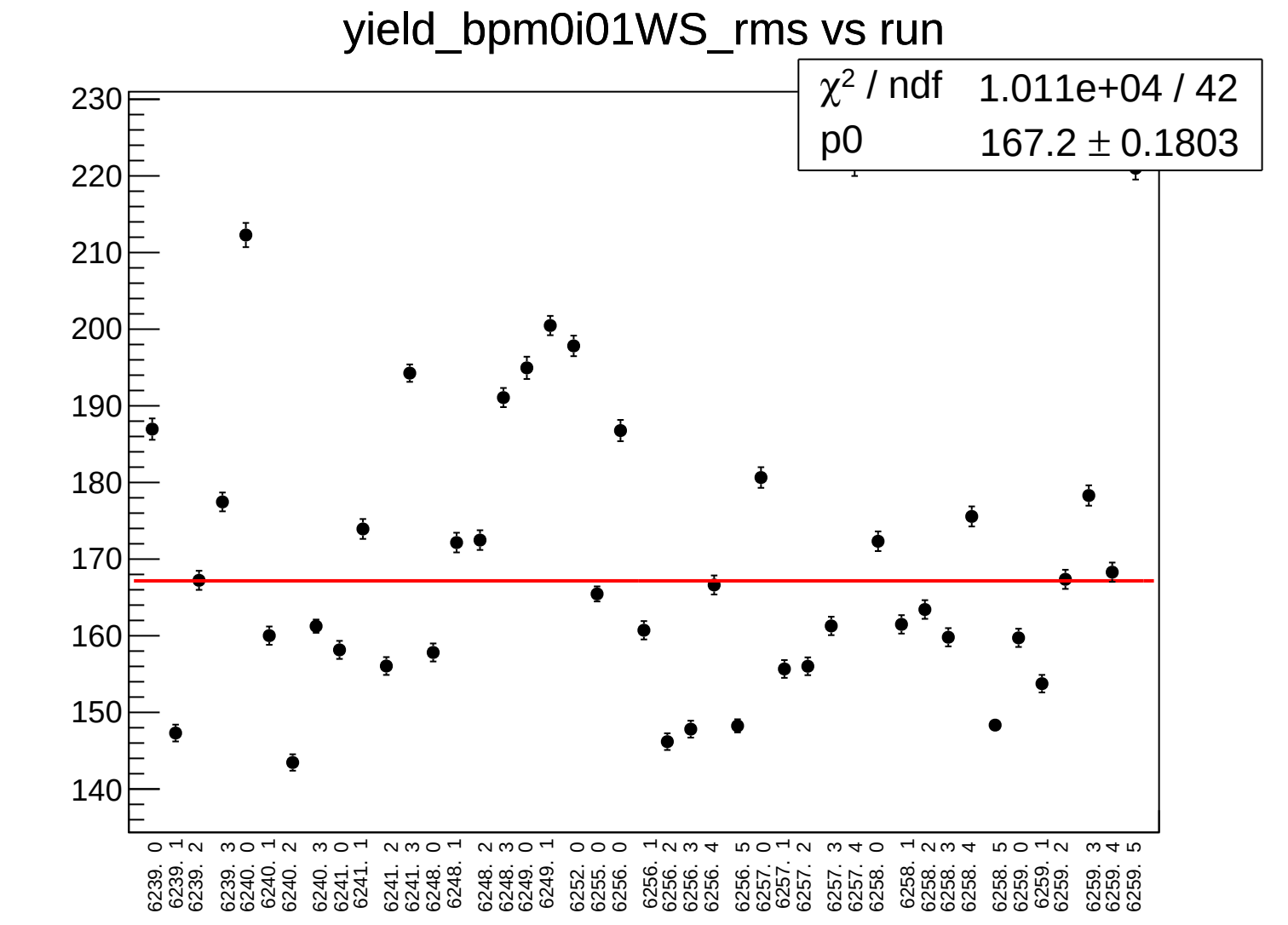

yield_bpm2i01WS_rms vs run
χ² / ndf 6780 / 42
p0 152.1 ± 0.1638
210
200
190
180
170
160
150
140
130
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

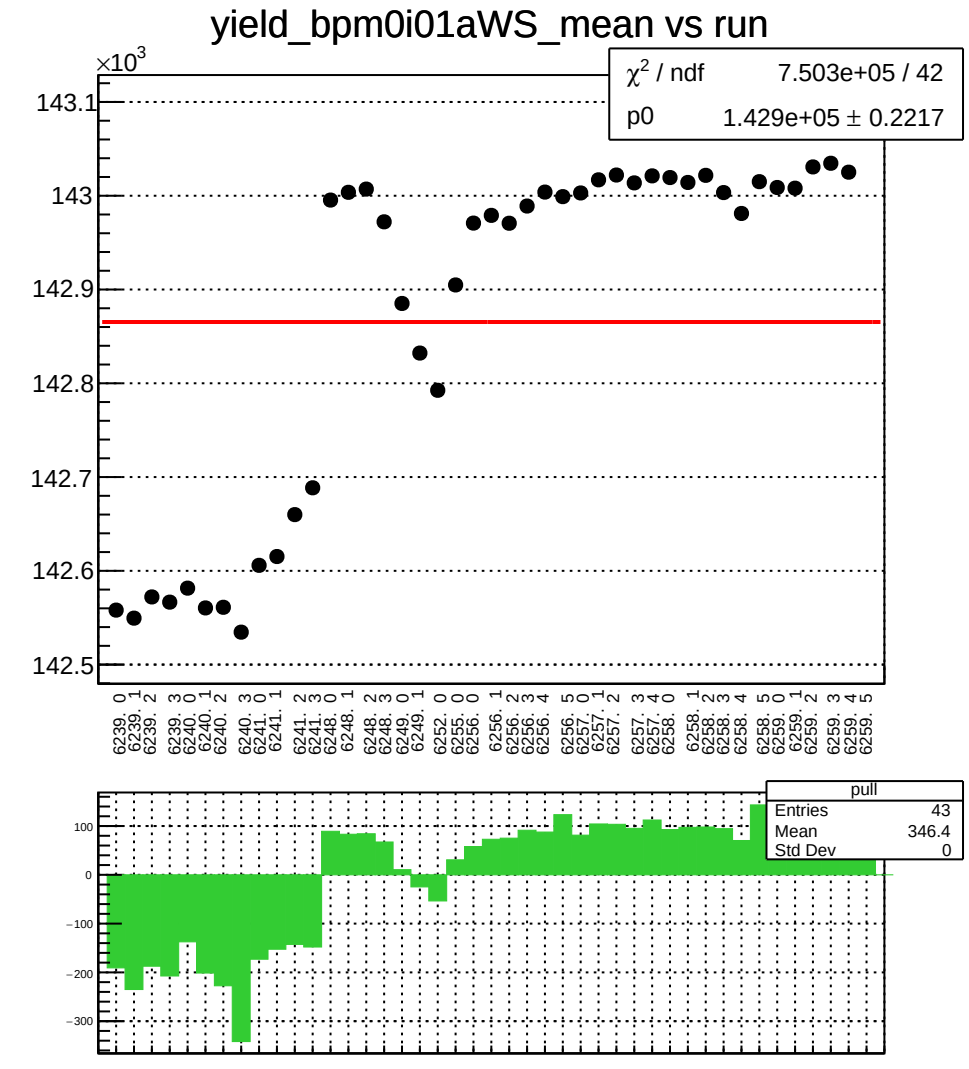

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 2.325e+06 / 42
p0 1.521e+05 ± 0.2507
152.6
152.4
152.2
152
151.8
151.6
151.4
151.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −170.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400

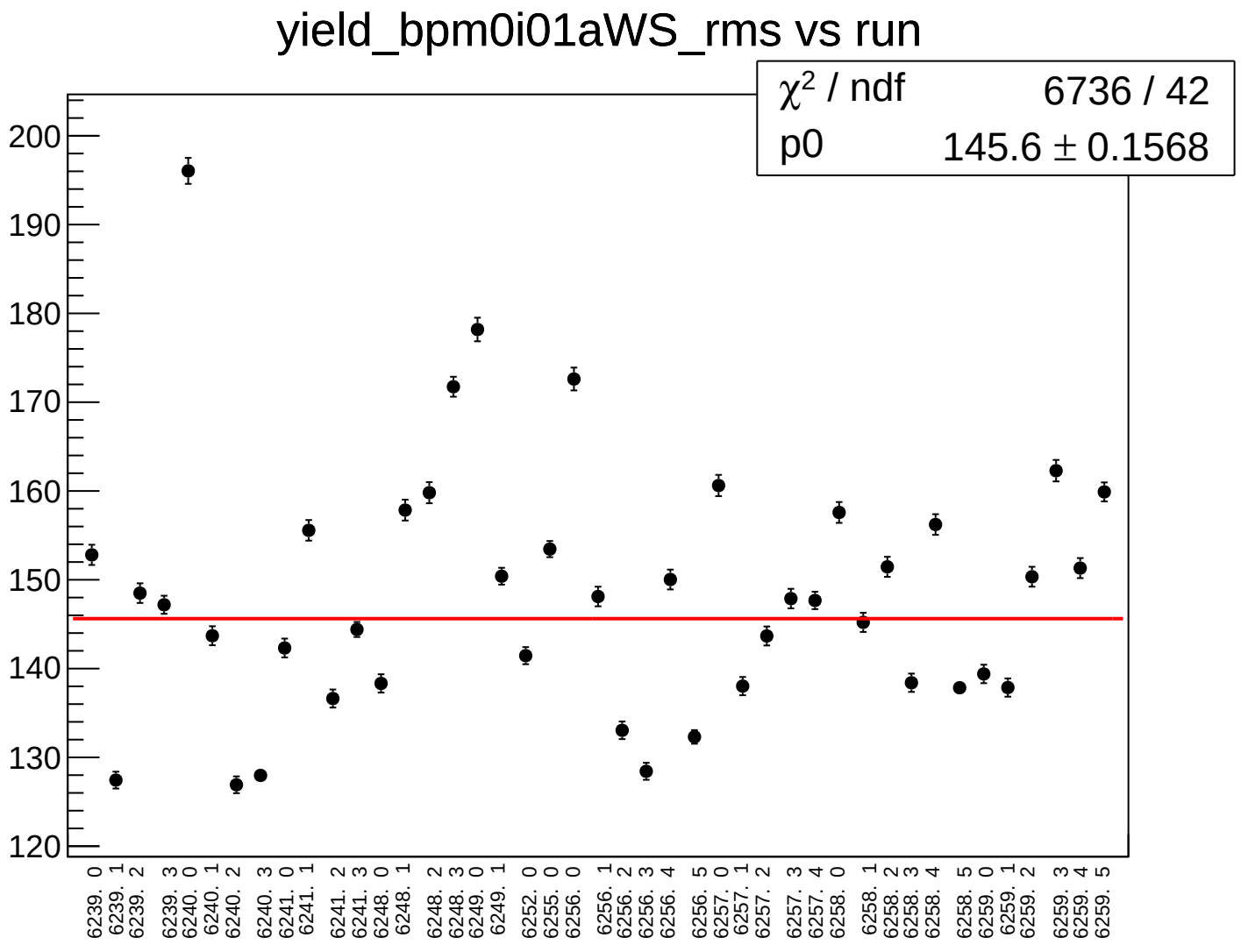

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

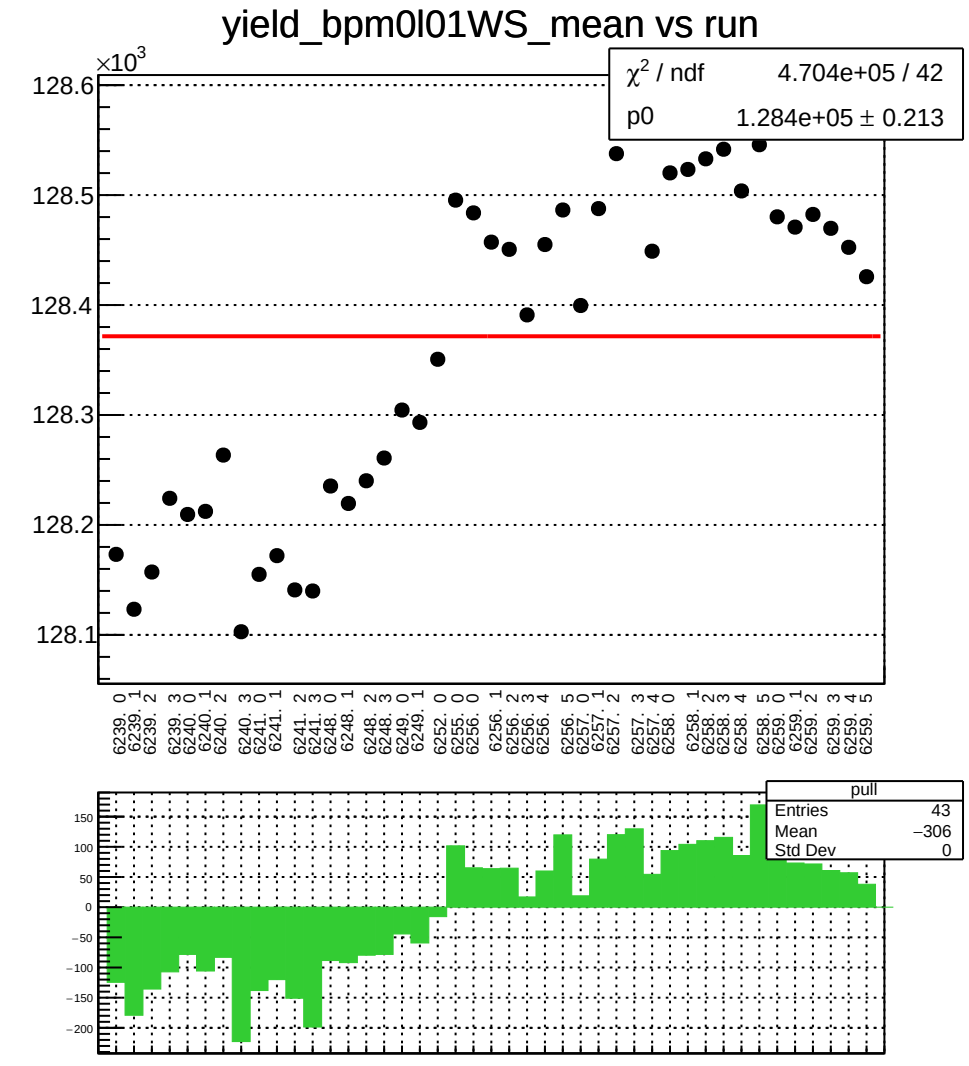

yield_bpm0i07WS_rms vs run
χ² / ndf 2.055e+04 / 42
p0 163.3 ± 0.1772
280
260
240
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

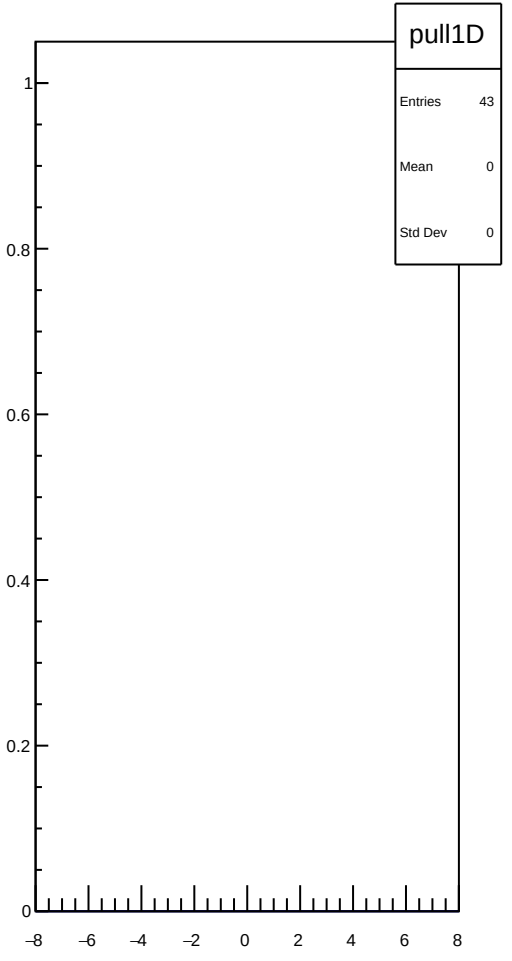

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 4.956e+06 / 42
p0 1.486e+05 ± 0.255
149.6
149.4
149.2
149
148.8
148.6
148.4
148.2
148
147.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1111
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

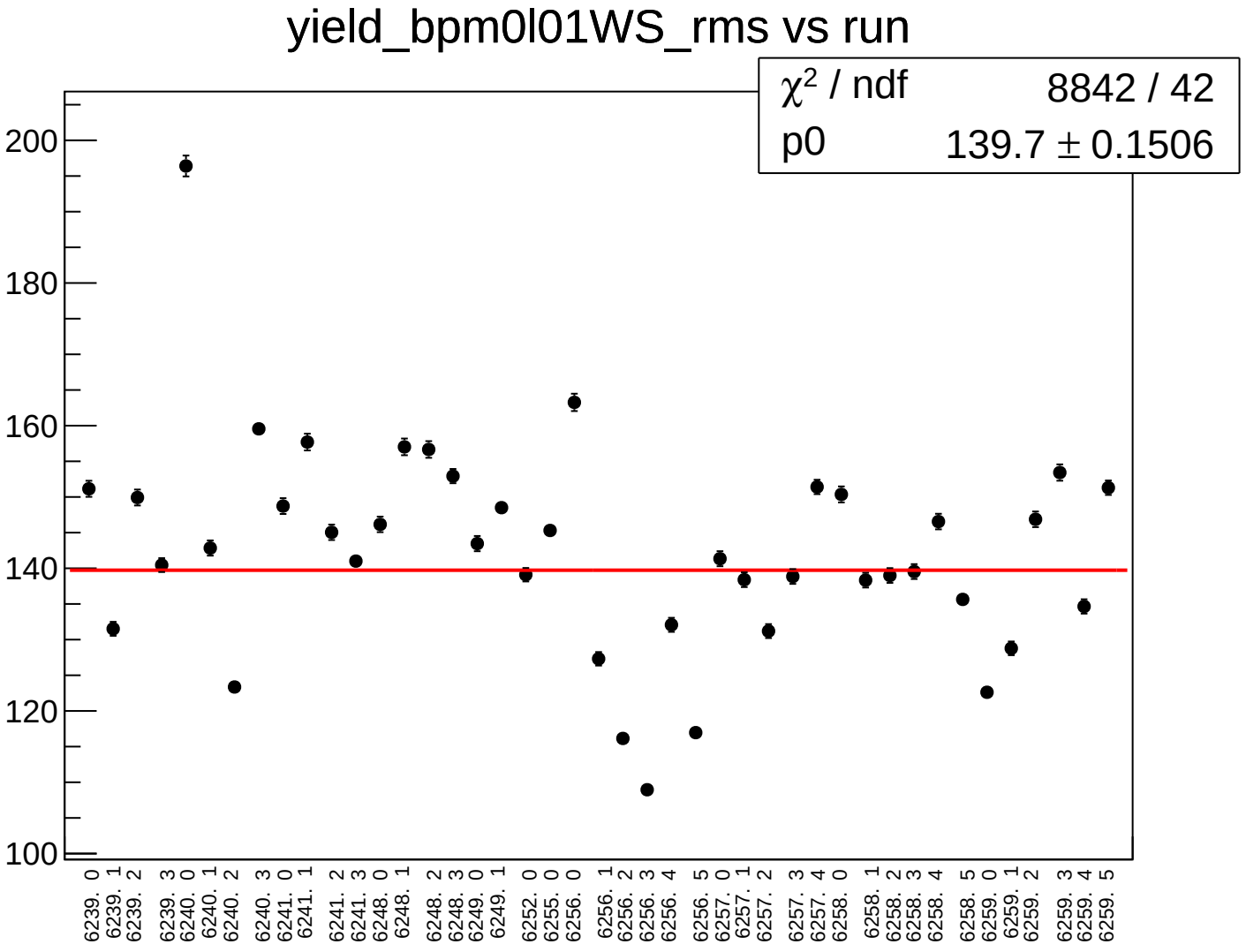

yield_bpm0i01WS_rms vs run
χ² / ndf 1.011e+04 / 42
p0 167.2 ± 0.1803
230
220
210
200
190
180
170
160
150
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

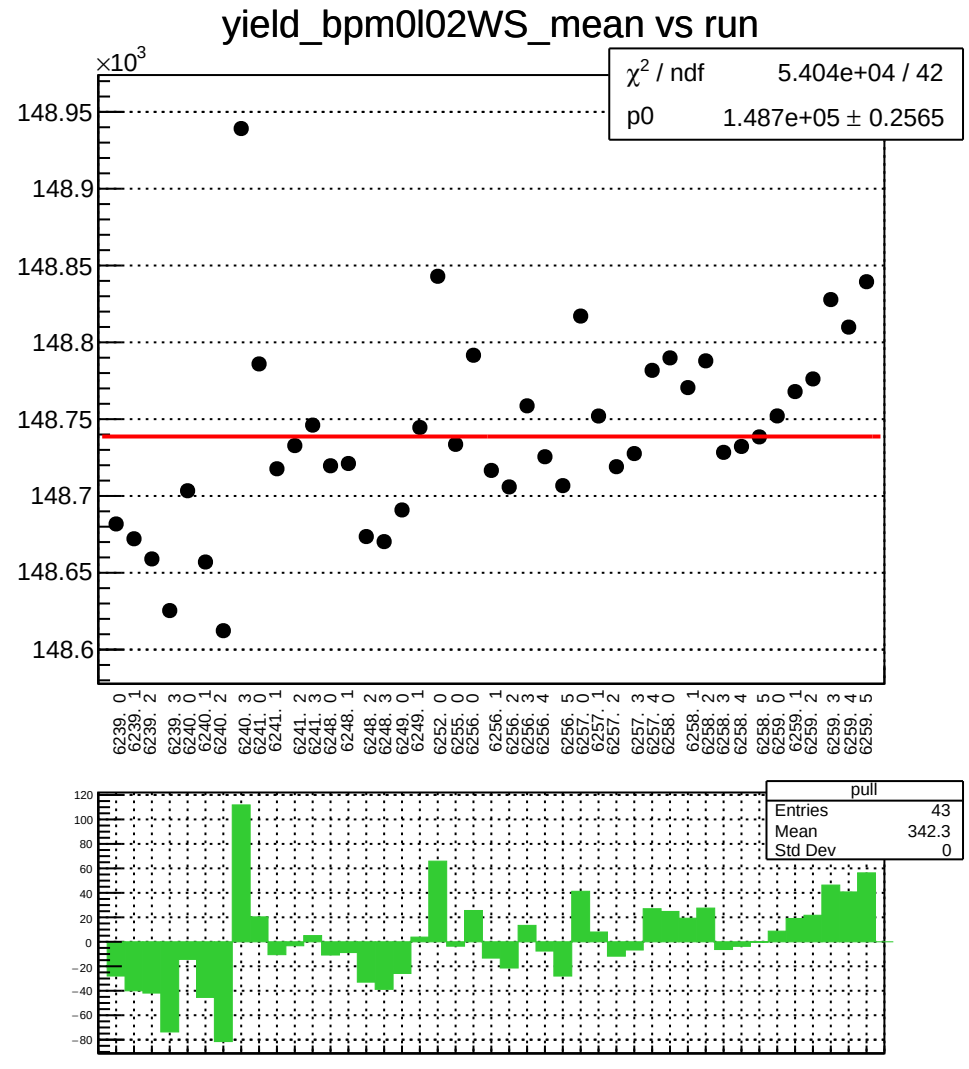

yield_bpm0i01aWS_mean vs run
×10^3
χ^2 / ndf 7.503e+05 / 42
p0 1.429e+05 ± 0.2217
143.1
143
142.9
142.8
142.7
142.6
142.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 346.4
Std Dev 0
100
0
−100
−200
−300
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

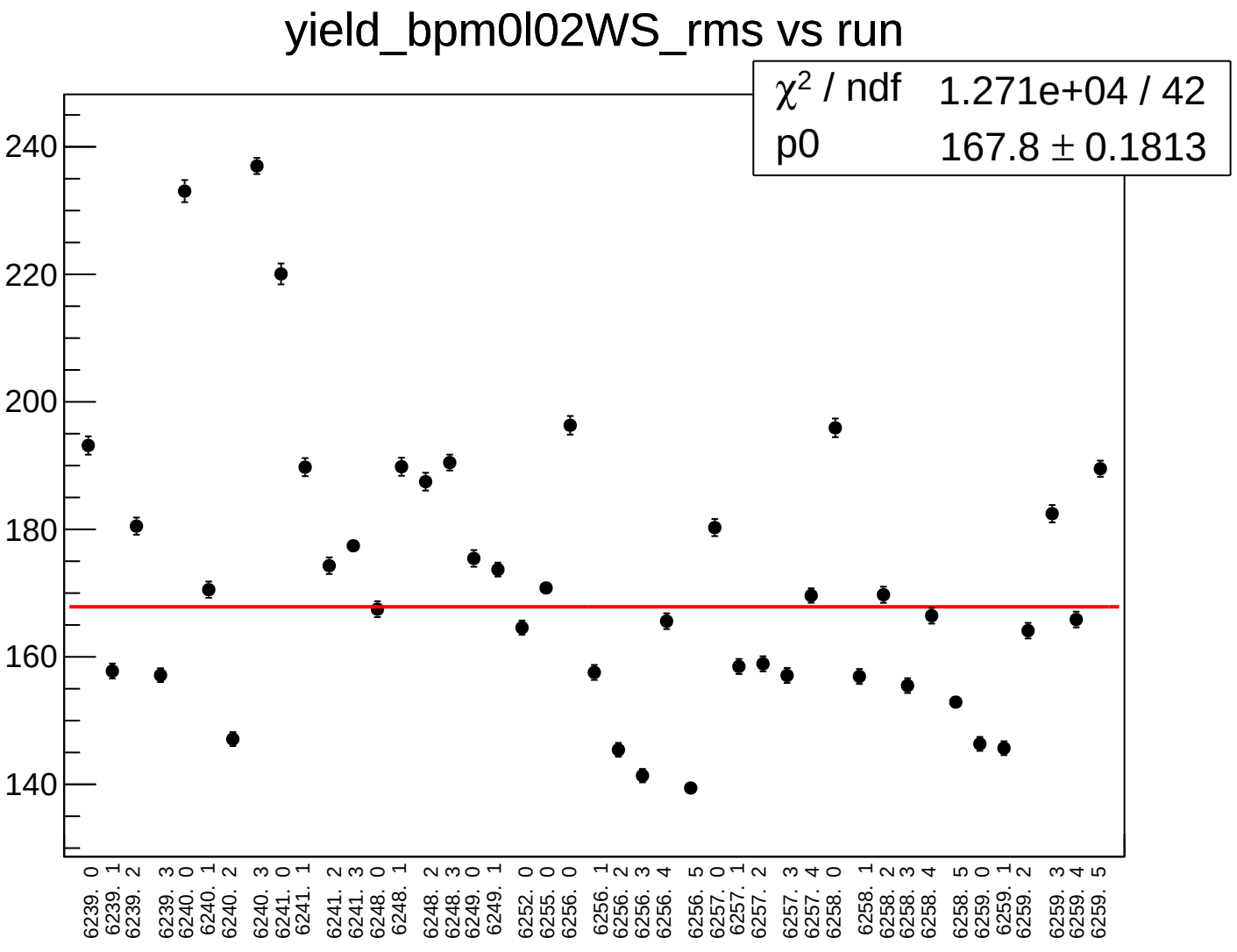

yield_bpm0i01aWS_rms vs run
χ² / ndf 6736 / 42
p0 145.6 ± 0.1568
200
190
180
170
160
150
140
130
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

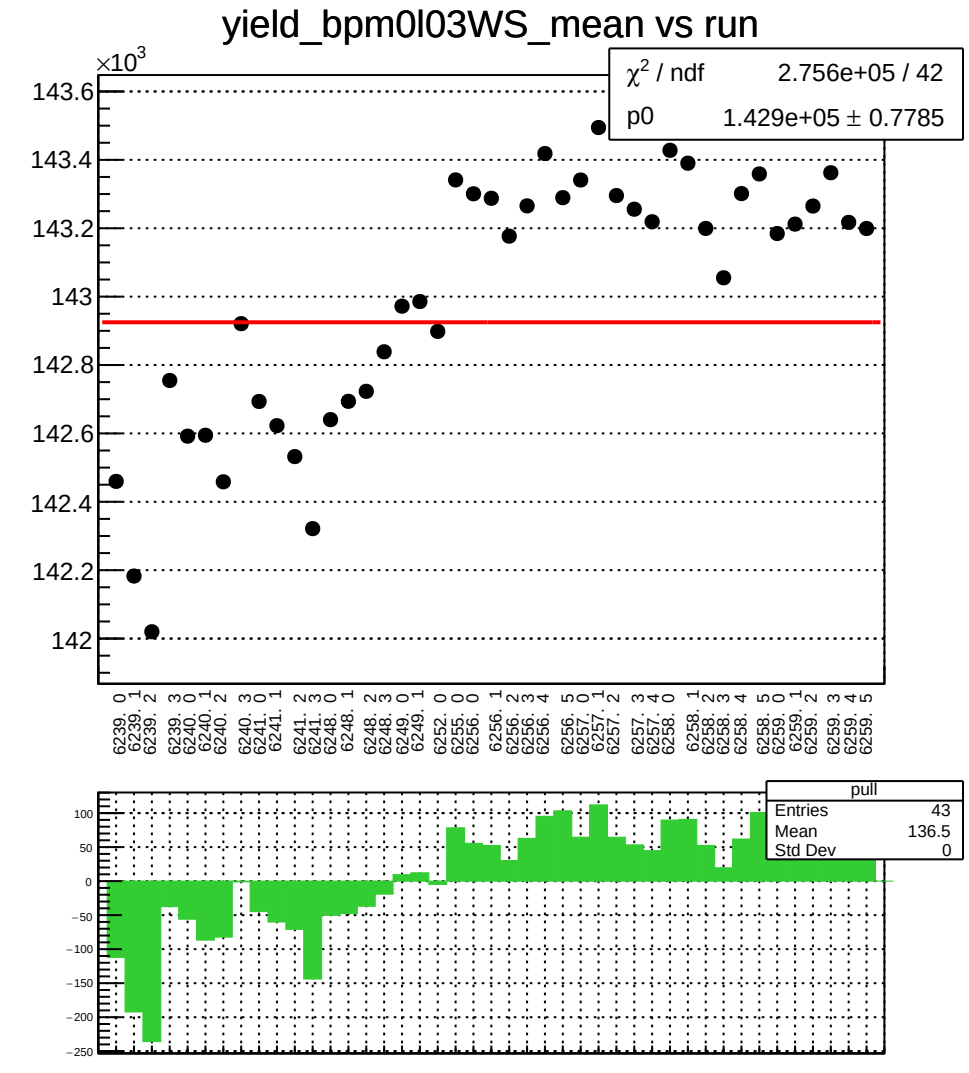

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 4.704e+05 / 42
p0 1.284e+05 ± 0.213
128.6
128.5
128.4
128.3
128.2
128.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −306
Std Dev 0
150
100
50
0
−50
−100
−150
−200

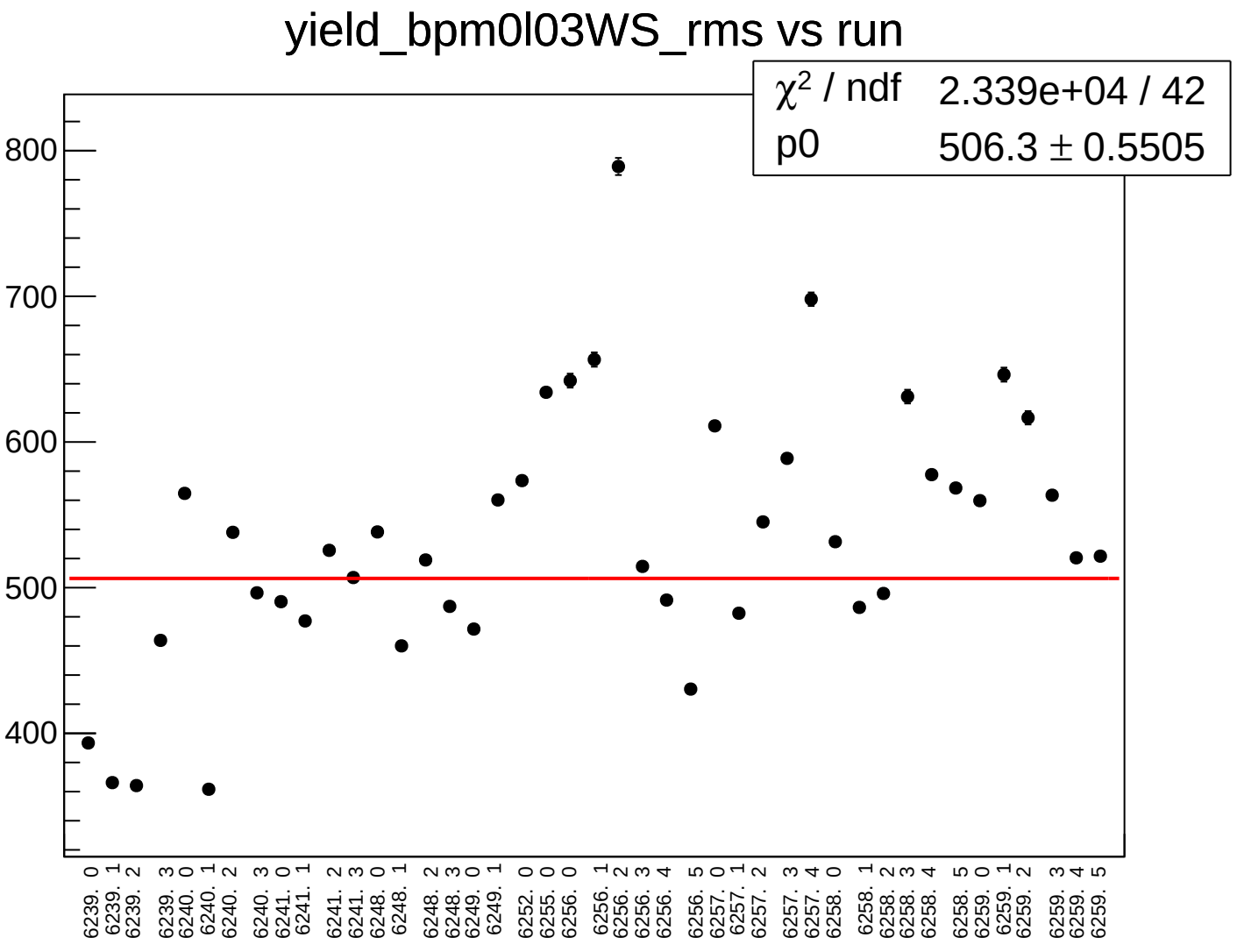

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

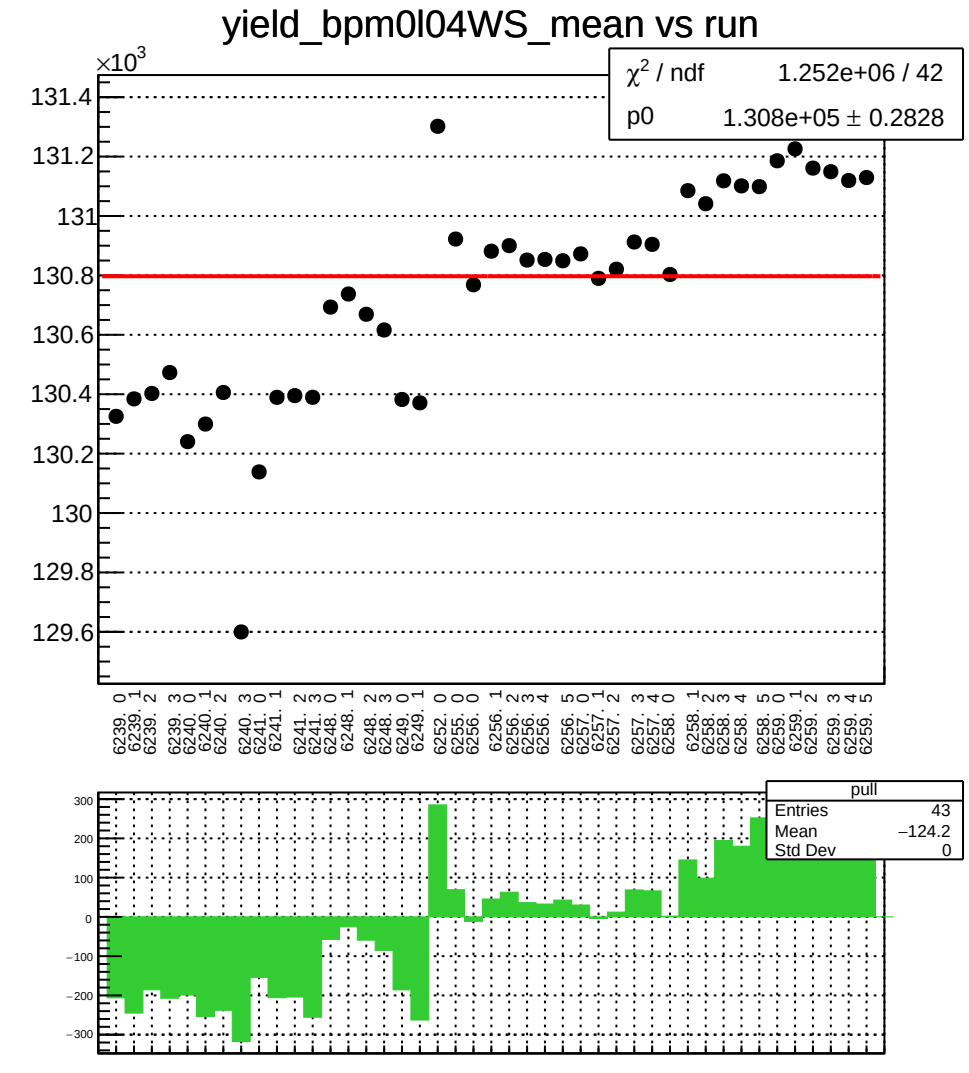

yield_bpm0l01WS_rms vs run
χ² / ndf 8842 / 42
p0 139.7 ± 0.1506
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

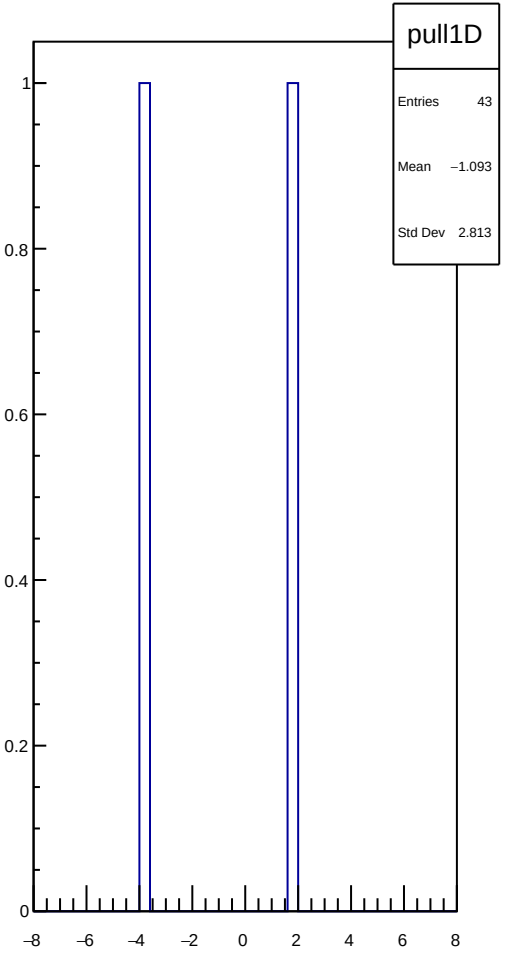

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 5.404e+04 / 42
p0 1.487e+05 ± 0.2565
148.95
148.9
148.85
148.8
148.75
148.7
148.65
148.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 342.3
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 43
Mean −1.436
Std Dev 5.111
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

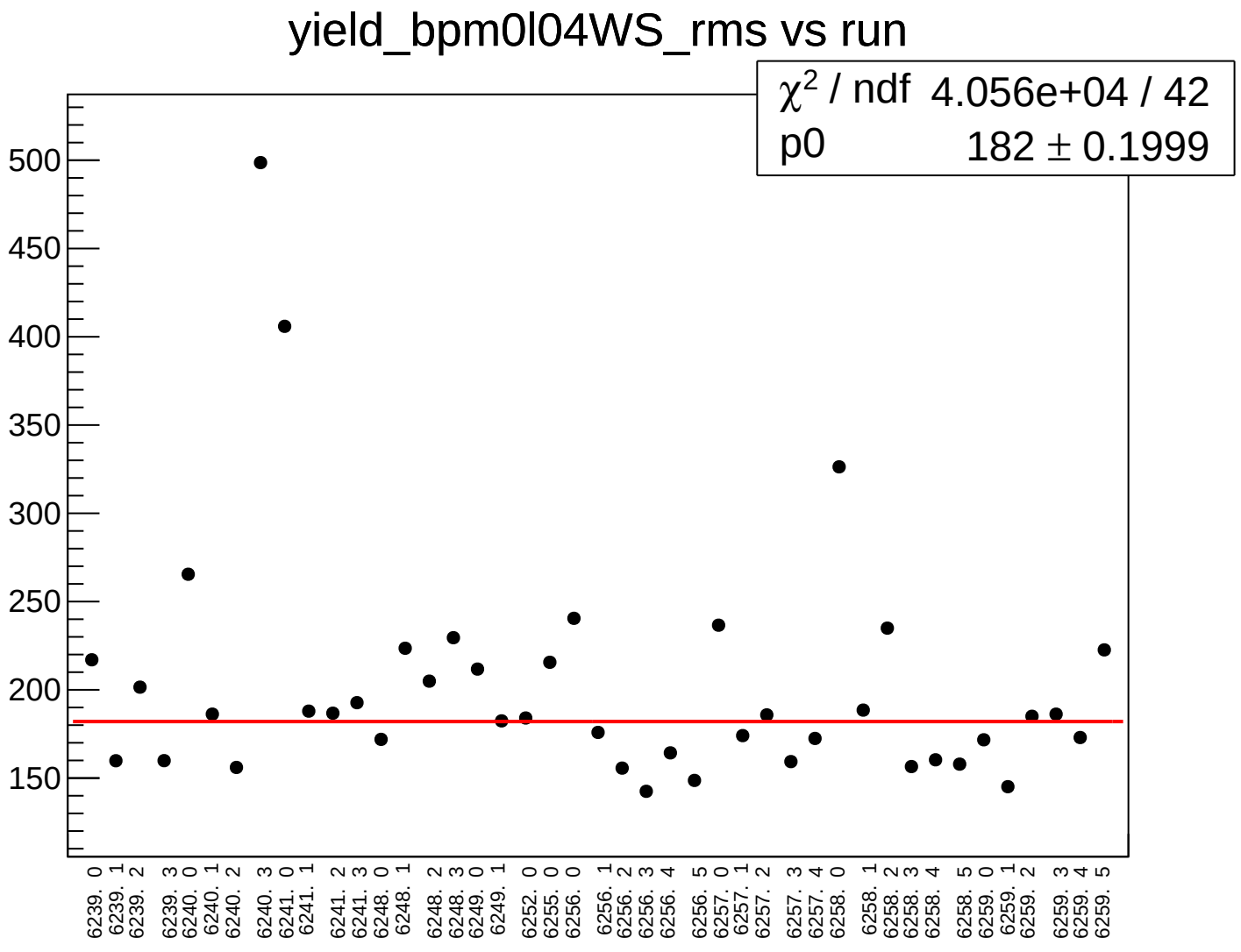

yield_bpm0l02WS_rms vs run
χ² / ndf 1.271e+04 / 42
p0 167.8 ± 0.1813
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

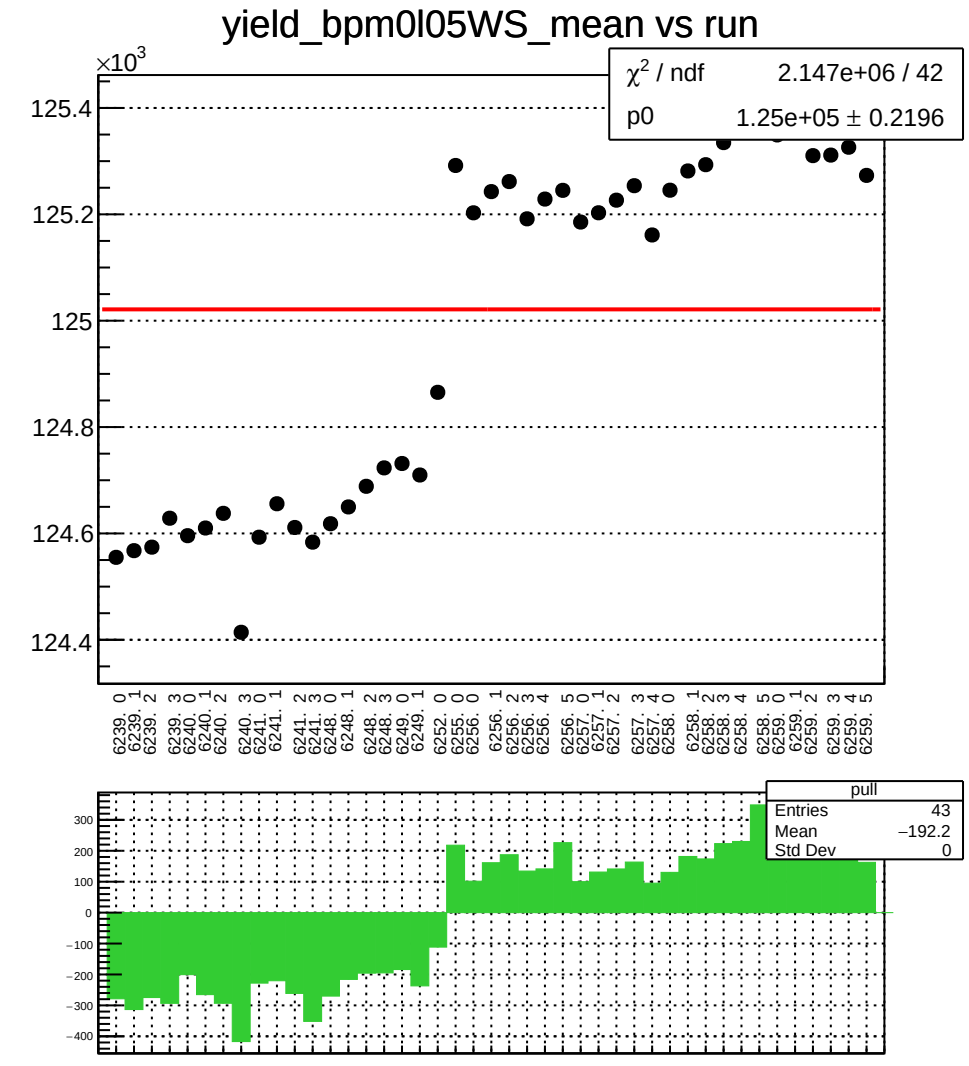

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 2.756e+05 / 42
p0 1.429e+05 ± 0.7785
143.6
143.4
143.2
143
142.8
142.6
142.4
142.2
142
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 136.5
Std Dev 0
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 43
Mean −2.95
Std Dev 1.884
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

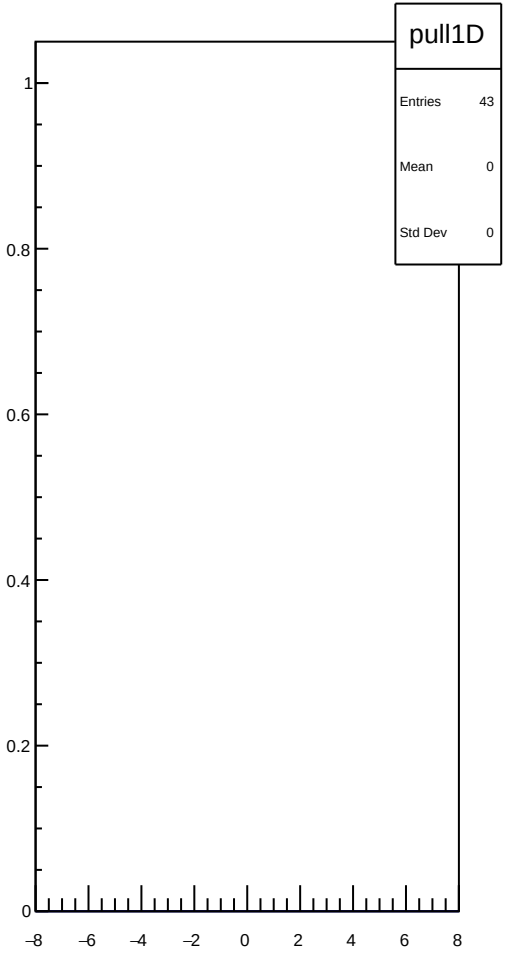

yield_bpm0l03WS_rms vs run
χ² / ndf 2.339e+04 / 42
p0 506.3 ± 0.5505
800
700
600
500
400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

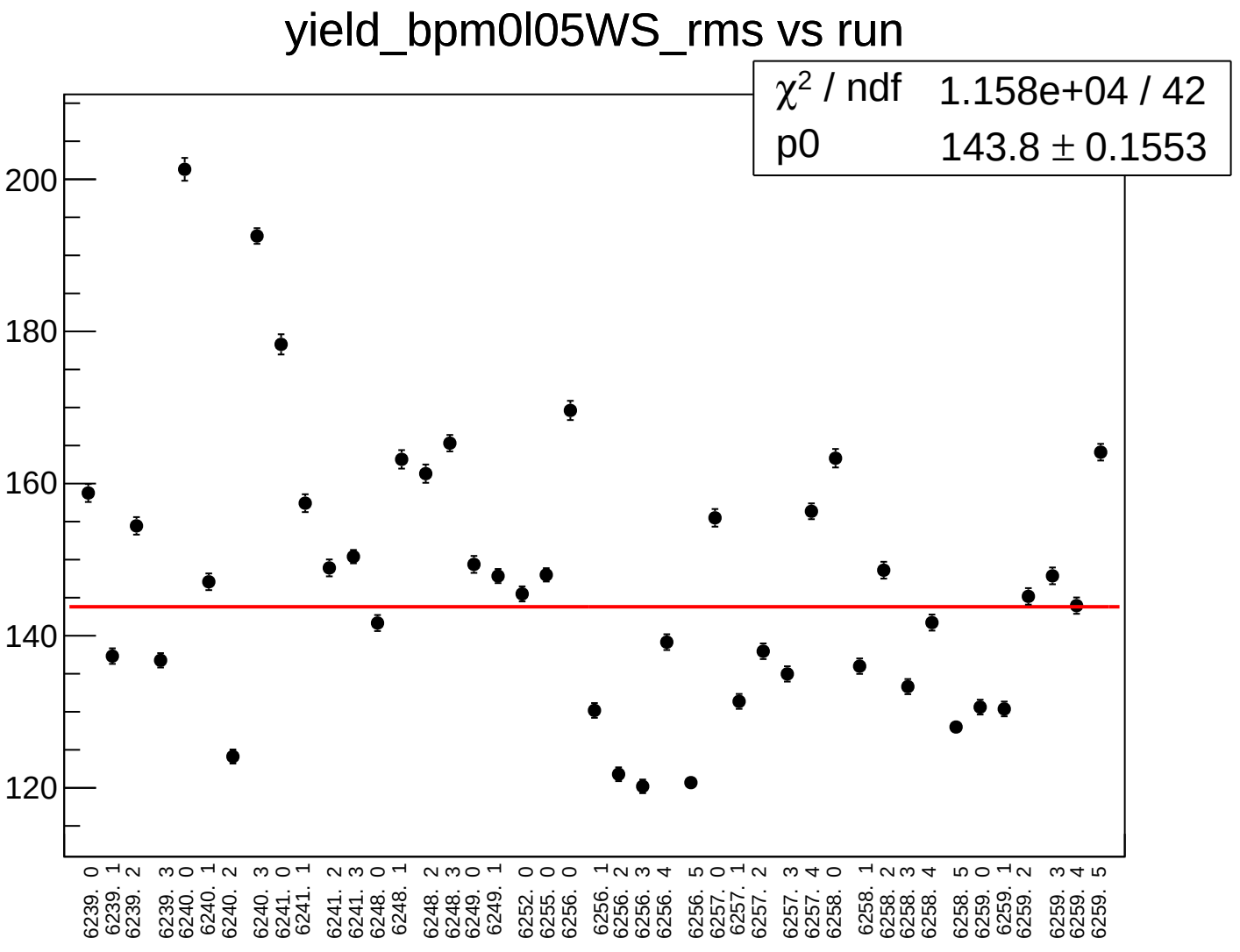

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.252e+06 / 42
p0 1.308e+05 ± 0.2828
131.4
131.2
131
130.8
130.6
130.4
130.2
130
129.8
129.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −124.2
Std Dev 0
300
200
100
0
−100
−200
−300

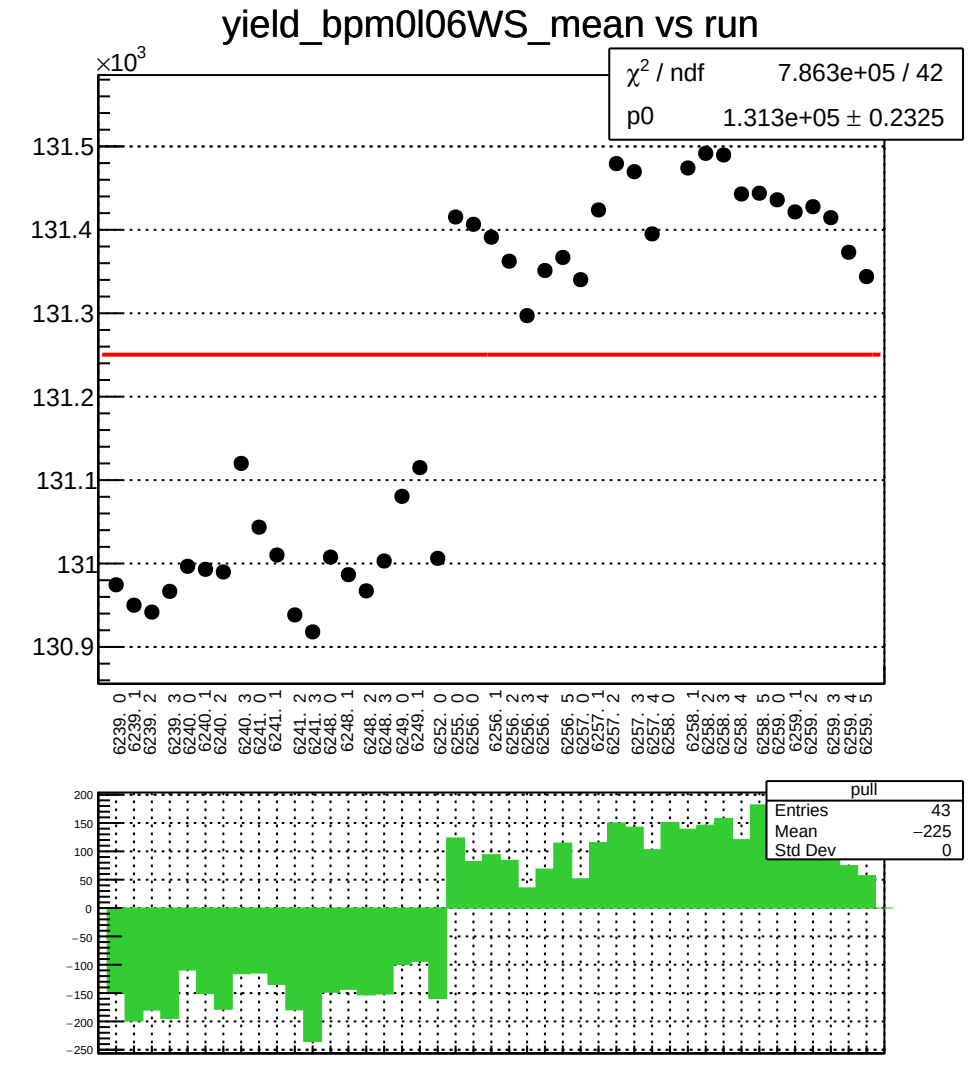

pull1D
Entries 43
Mean −1.093
Std Dev 2.813
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

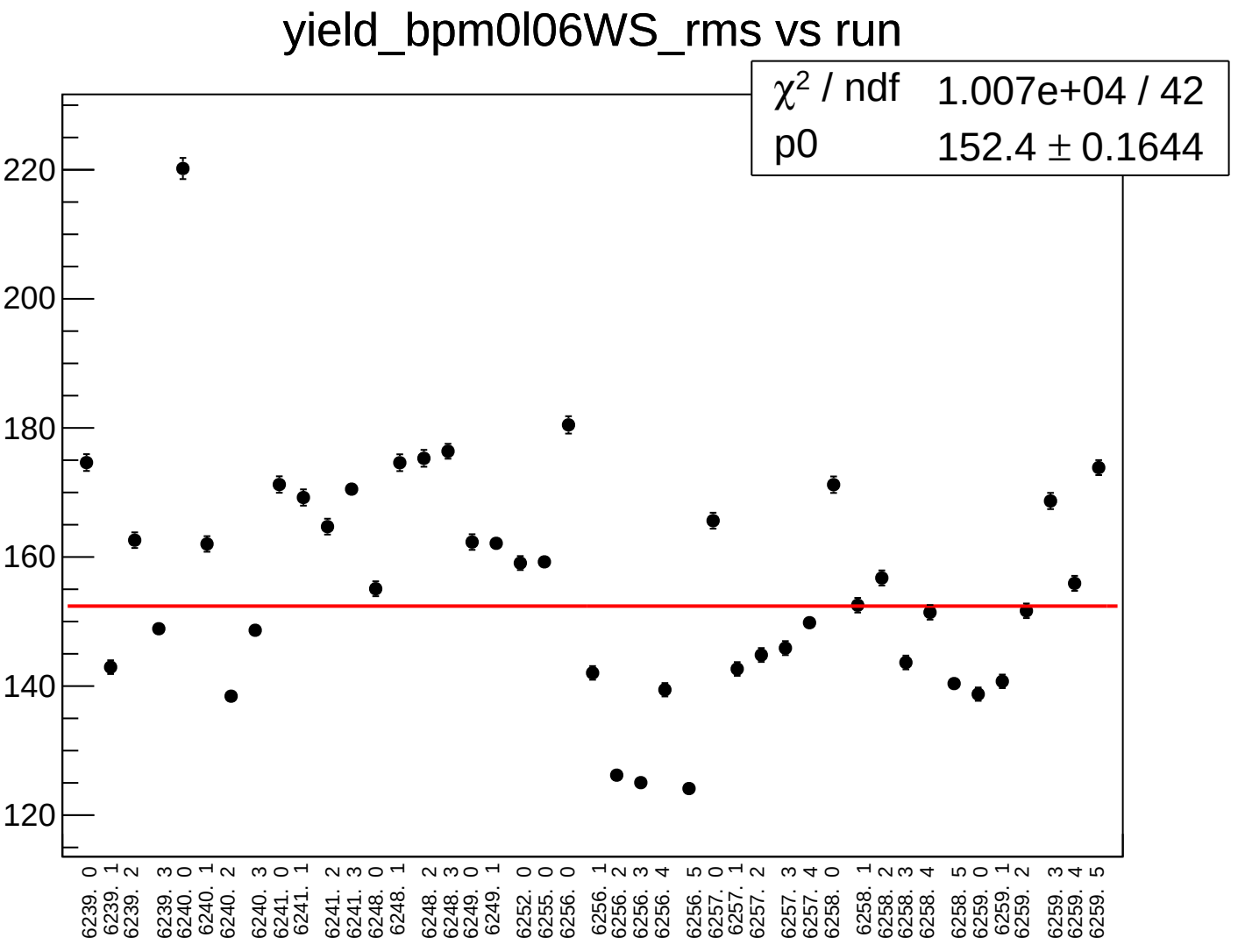

yield_bpm0l04WS_rms vs run
χ² / ndf 4.056e+04 / 42
p0 182 ± 0.1999
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

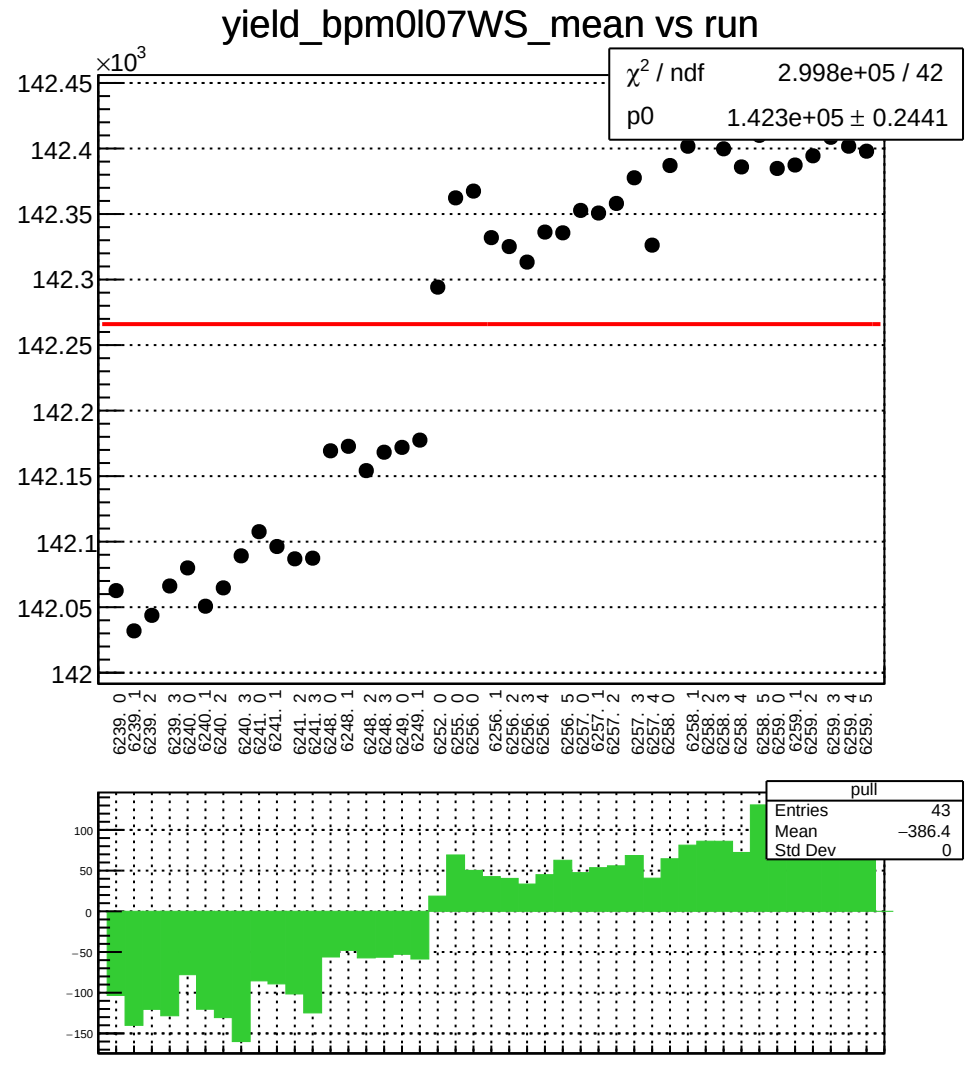

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 2.147e+06 / 42
p0 1.25e+05 ± 0.2196
125.4
125.2
125
124.8
124.6
124.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −192.2
Std Dev 0
300
200
100
0
−100
−200
−300
−400

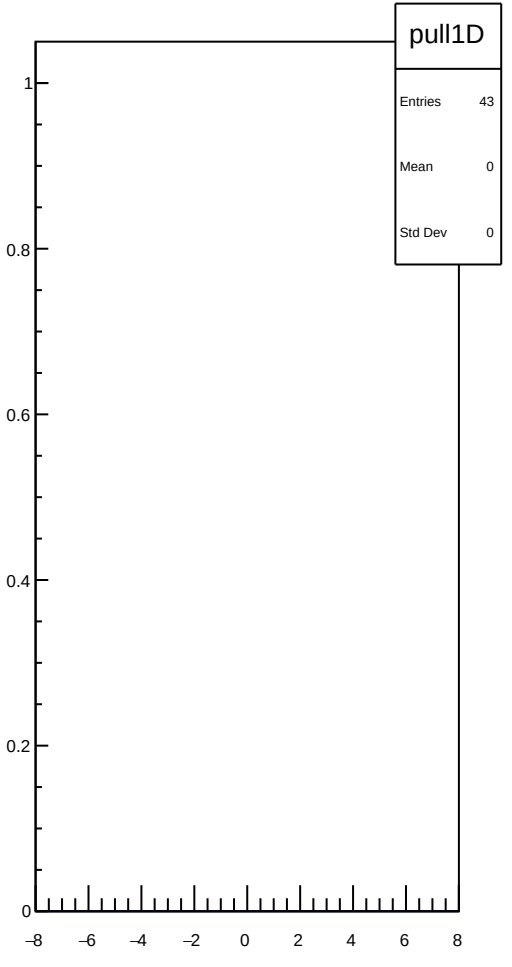

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

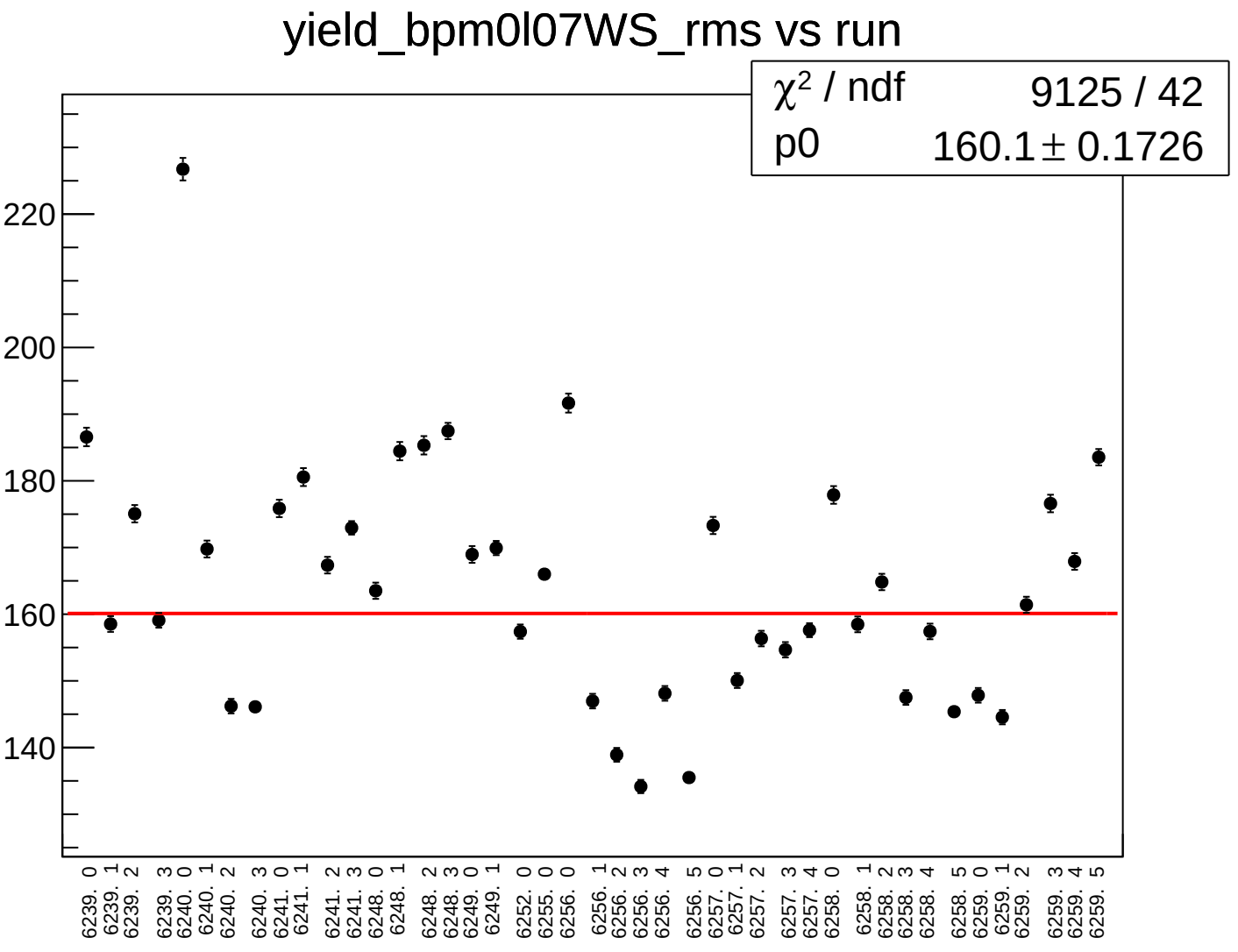

yield_bpm0l05WS_rms vs run
χ² / ndf 1.158e+04 / 42
p0 143.8 ± 0.1553
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

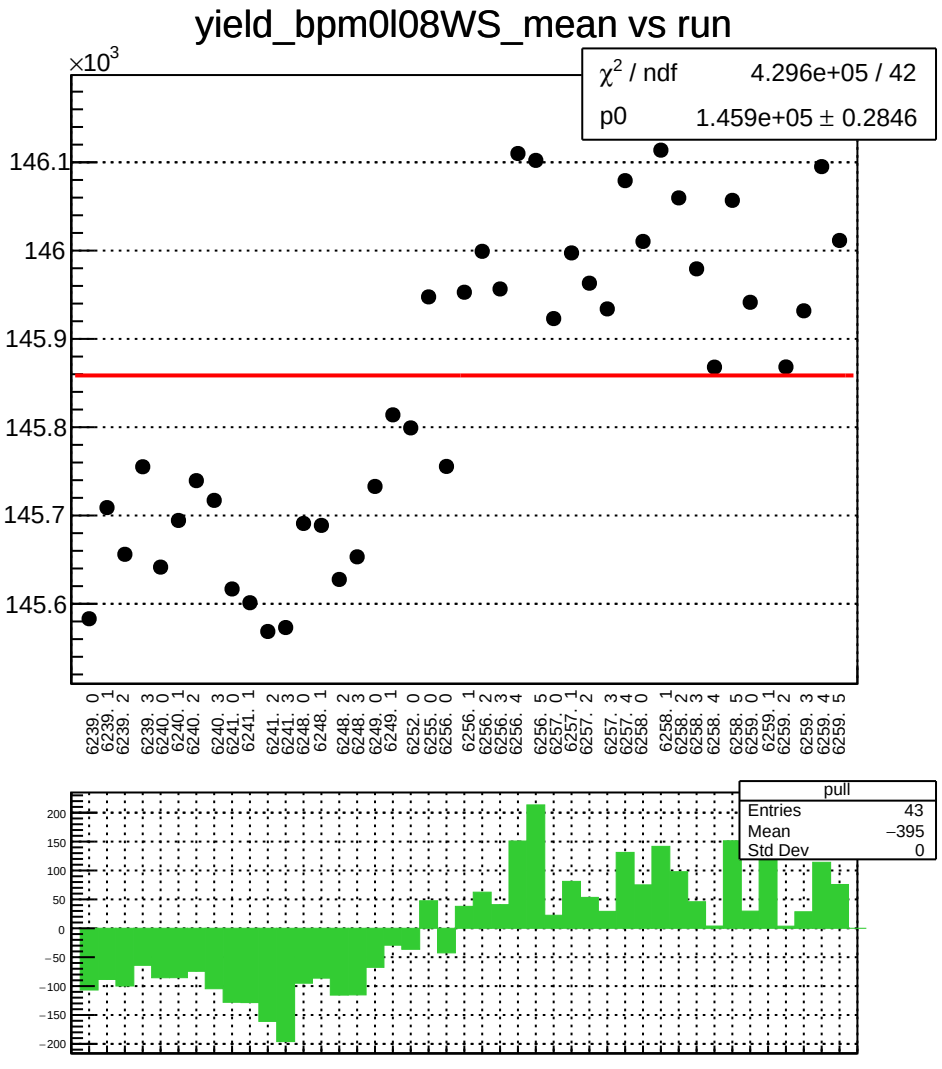

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 7.863e+05 / 42
p0 1.313e+05 ± 0.2325
131.5
131.4
131.3
131.2
131.1
131
130.9
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −225
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

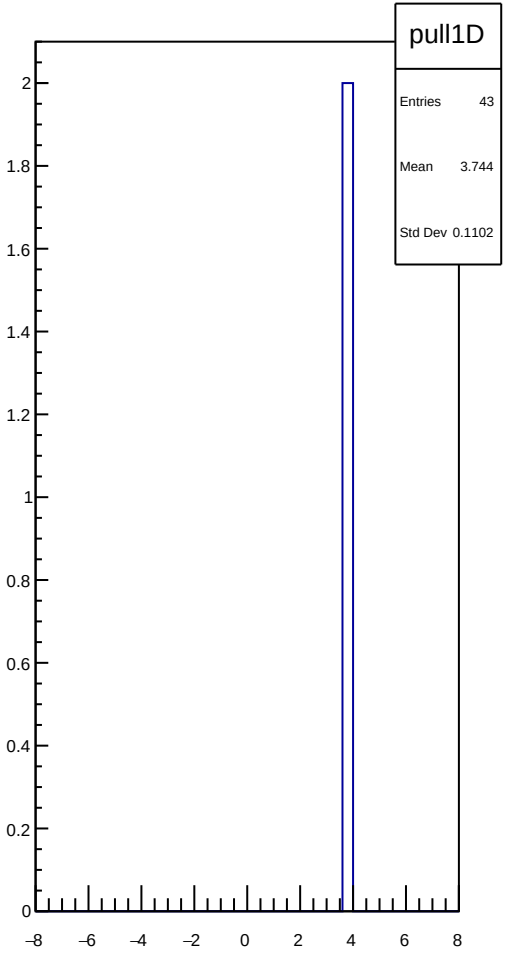

yield_bpm0l06WS_rms vs run
χ² / ndf 1.007e+04 / 42
p0 152.4 ± 0.1644
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

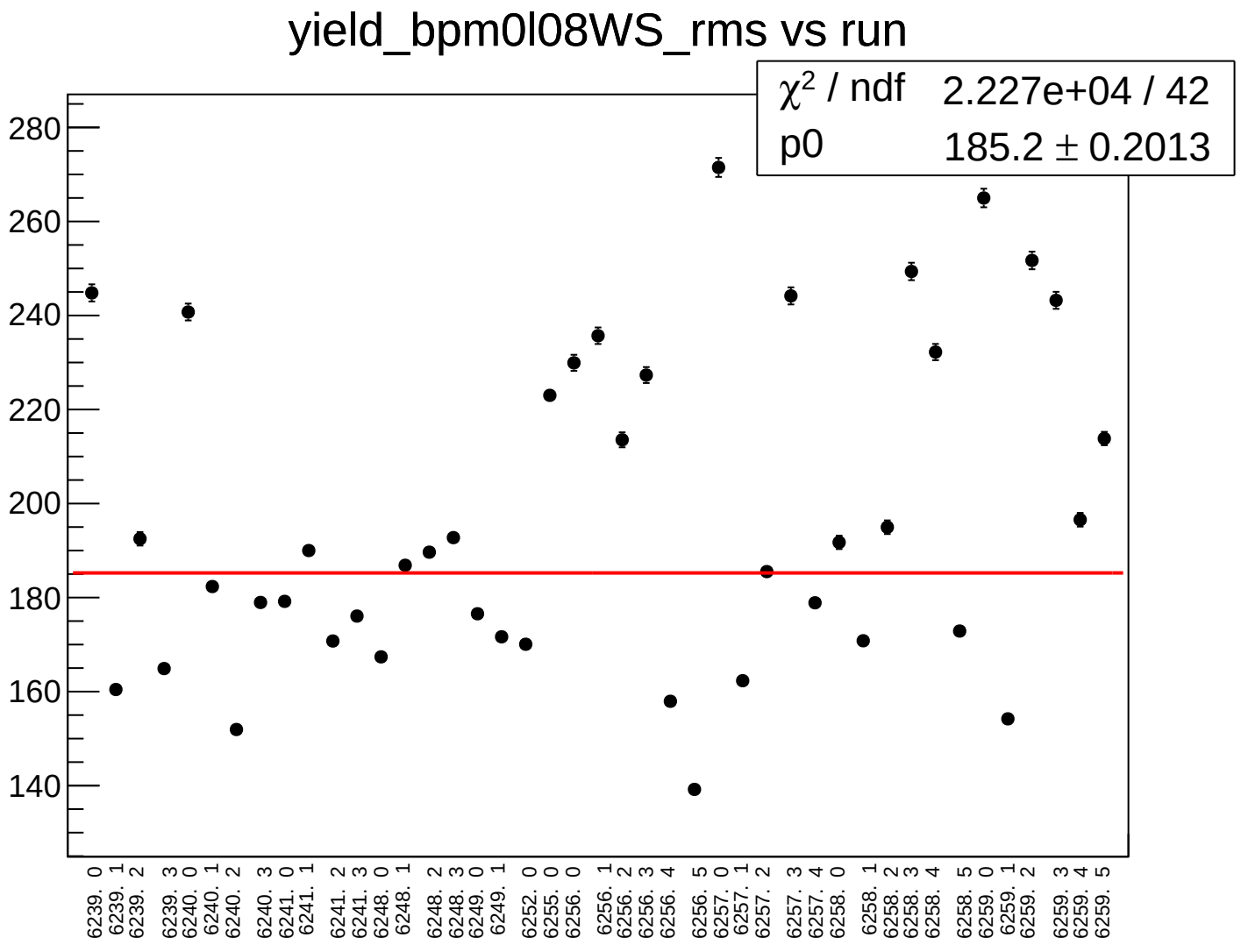

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 2.998e+05 / 42
p0 1.423e+05 ± 0.2441
142.45
142.4
142.35
142.3
142.25
142.2
142.15
142.1
142.05
142
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −386.4
Std Dev 0
100
50
0
−50
−100
−150

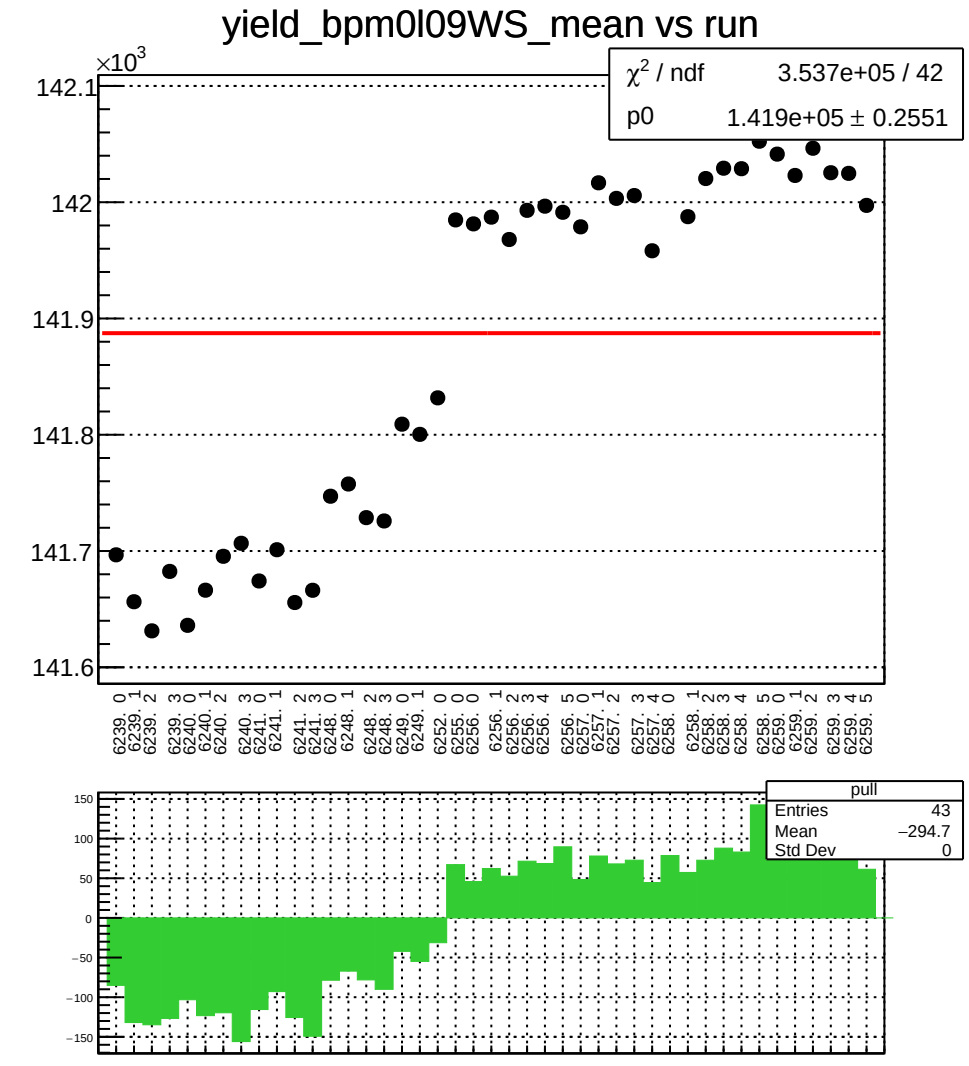

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

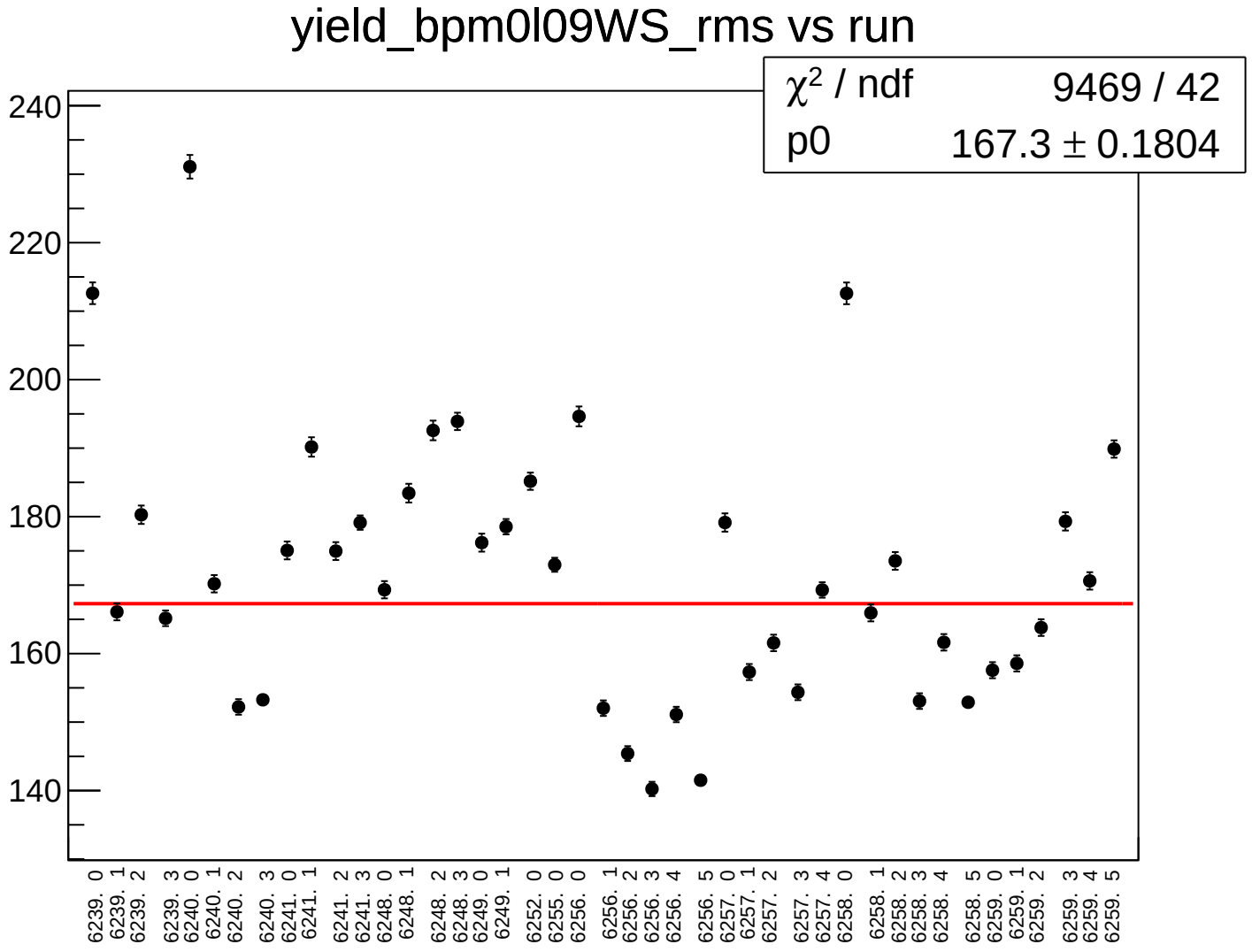

yield_bpm0l07WS_rms vs run
χ² / ndf 9125 / 42
p0 160.1 ± 0.1726
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

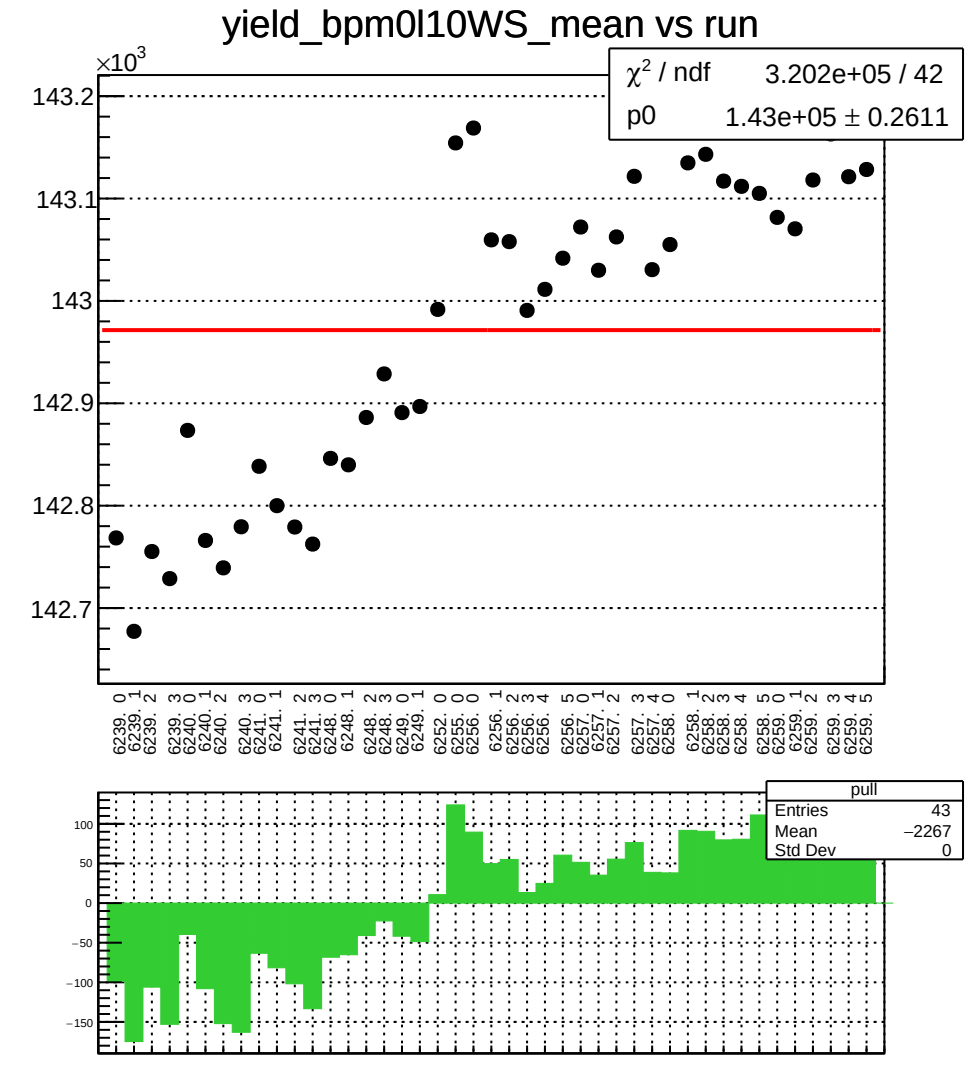

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 4.296e+05 / 42
p0 1.459e+05 ± 0.2846
146.1
146
145.9
145.8
145.7
145.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −395
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

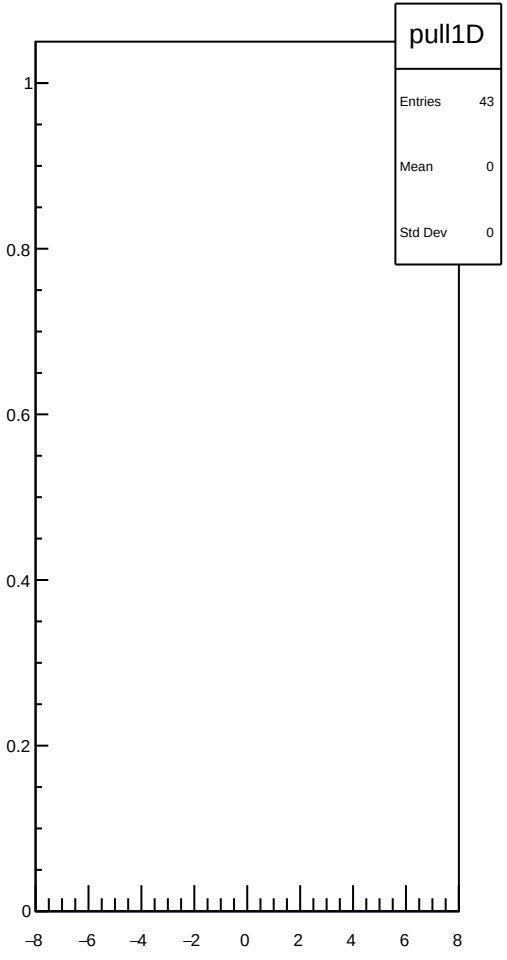

pull1D
Entries 43
Mean 3.744
Std Dev 0.1102
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

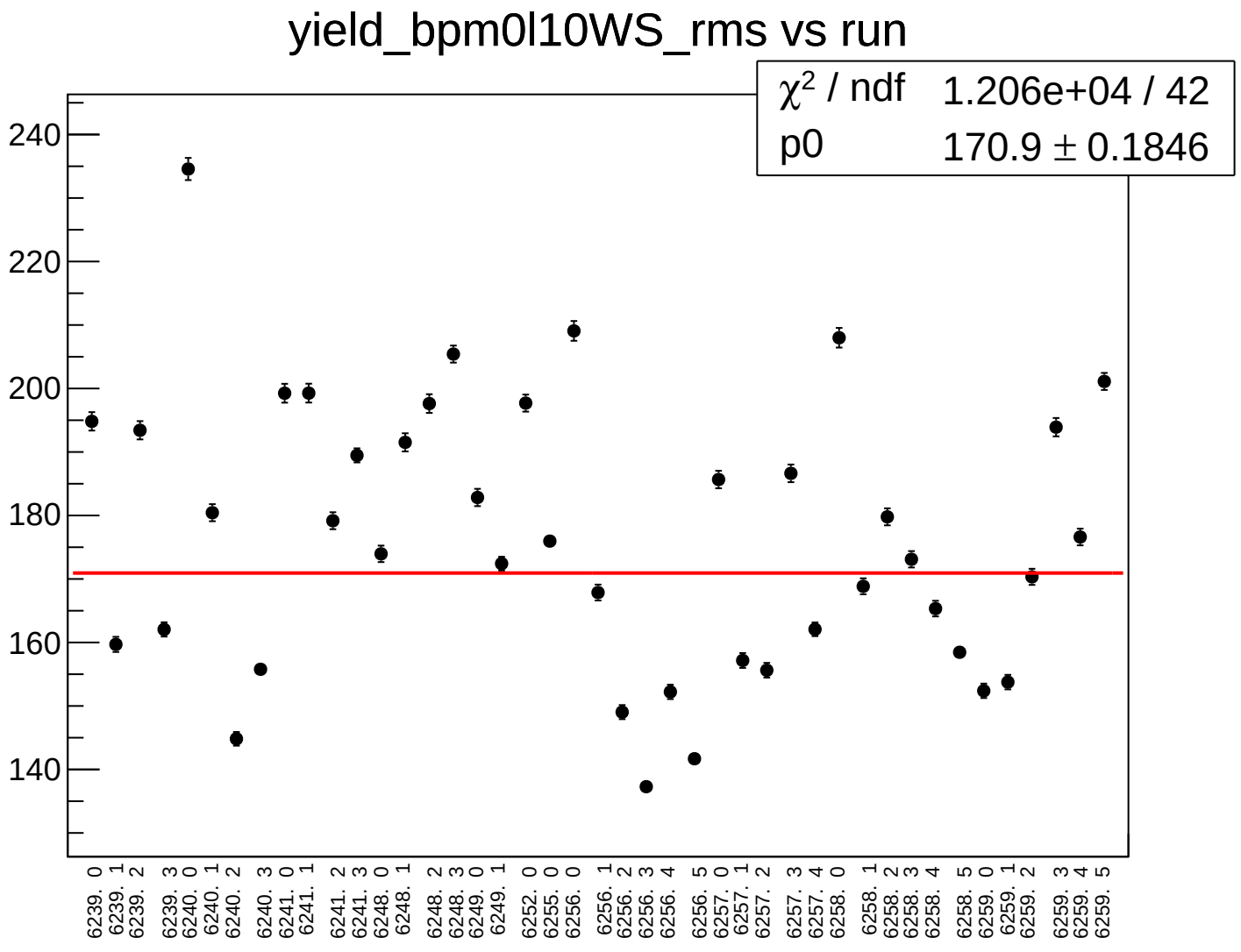

yield_bpm0l08WS_rms vs run
χ² / ndf 2.227e+04 / 42
p0 185.2 ± 0.2013
280
260
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

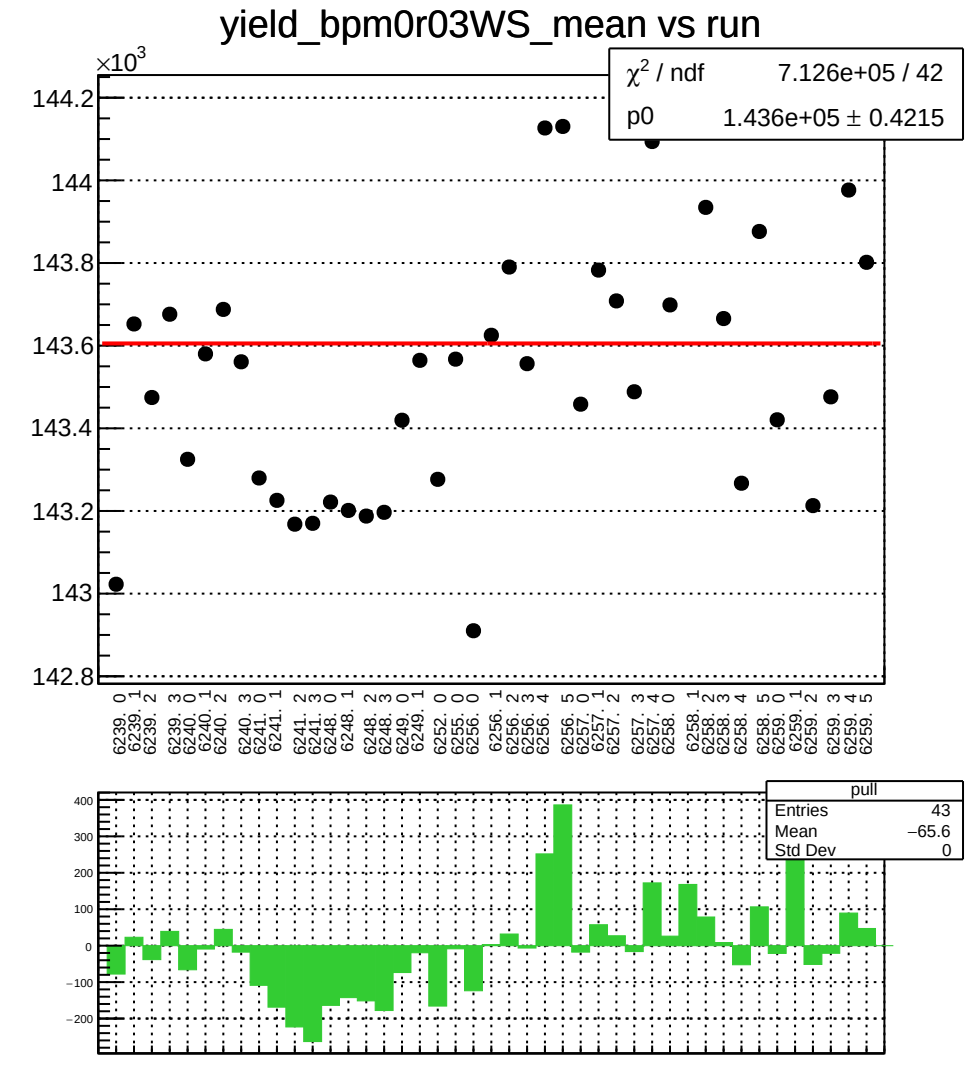

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 3.537e+05 / 42
p0 1.419e+05 ± 0.2551
142.1
142
141.9
141.8
141.7
141.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −294.7
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

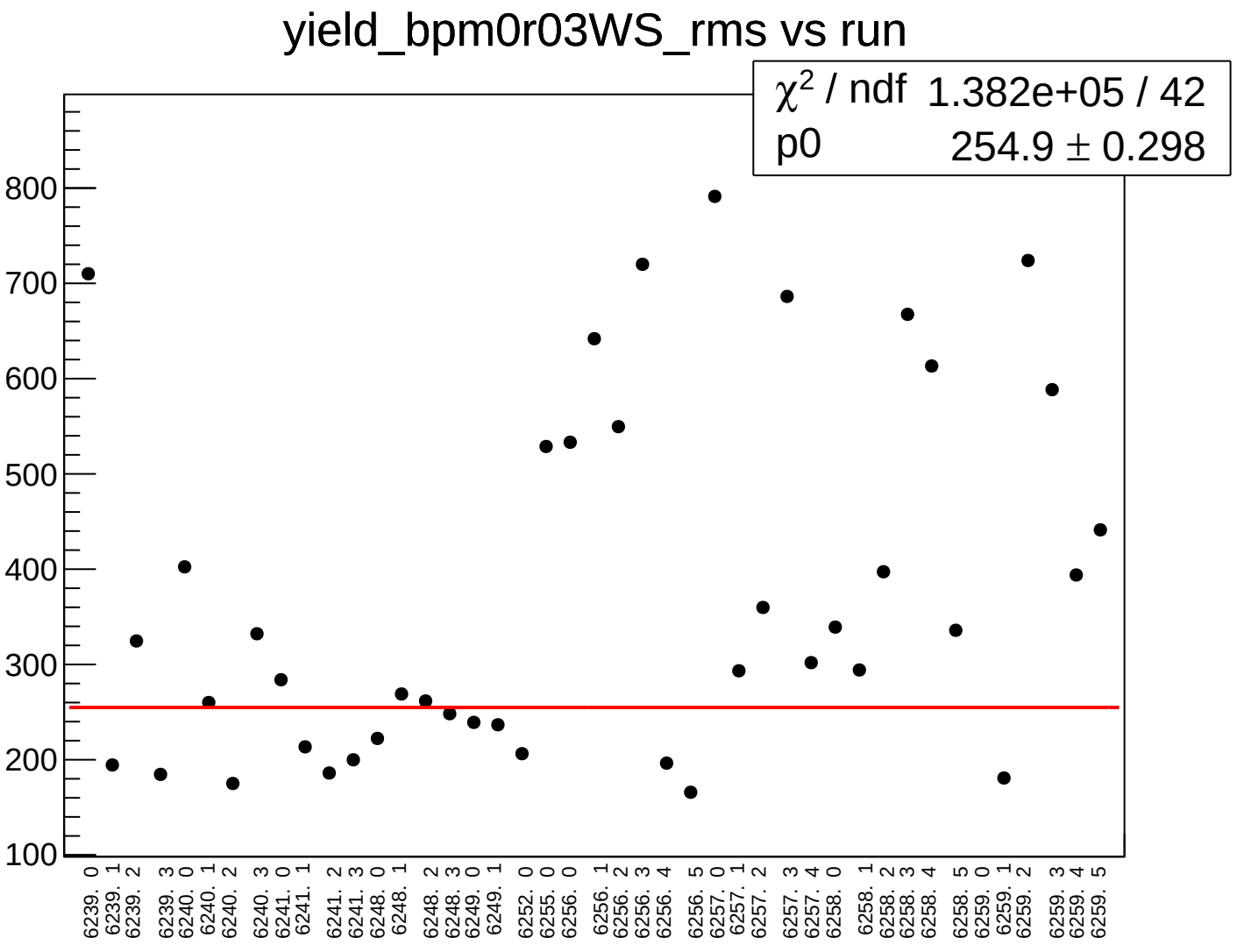

yield_bpm0l09WS_rms vs run
χ² / ndf 9469 / 42
p0 167.3 ± 0.1804
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

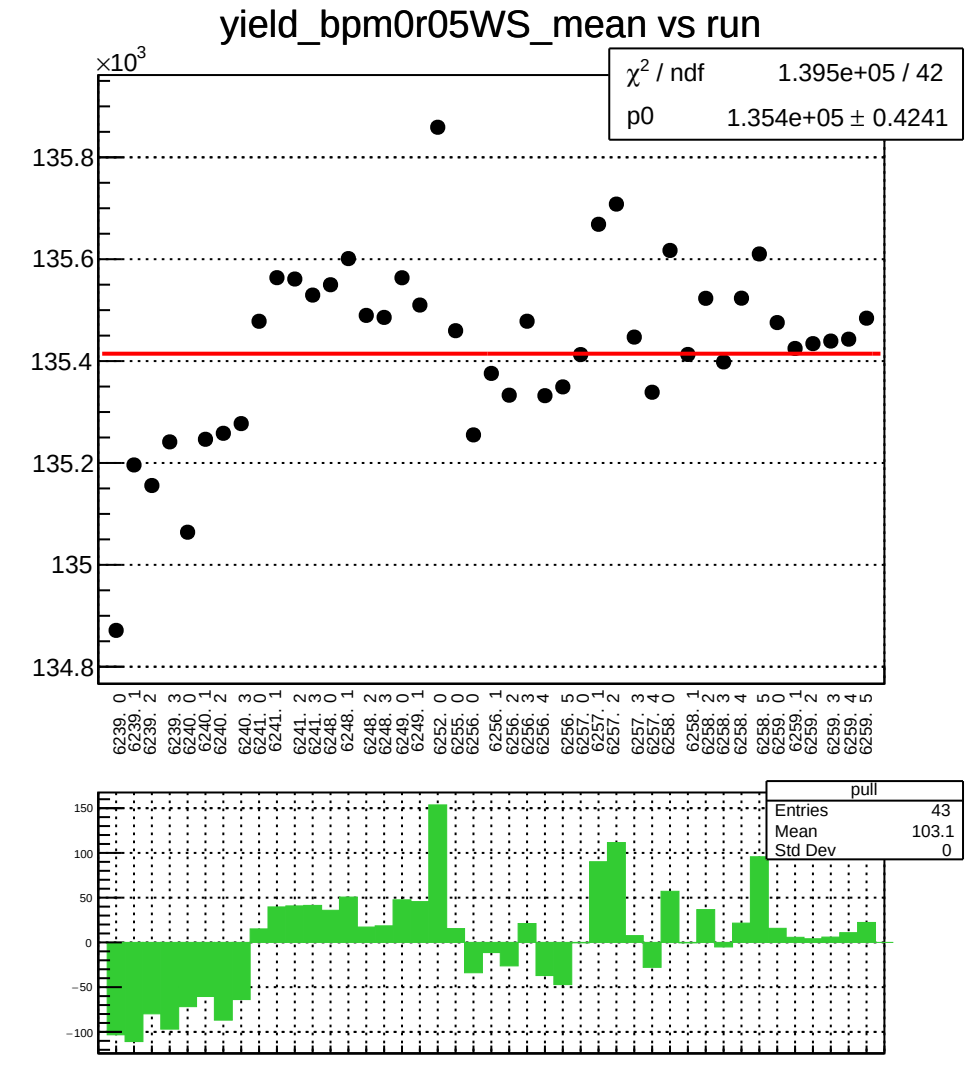

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 3.202e+05 / 42
p0 1.43e+05 ± 0.2611
143.2
143.1
143
142.9
142.8
142.7
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2267
Std Dev 0
100
50
0
−50
−100
−150

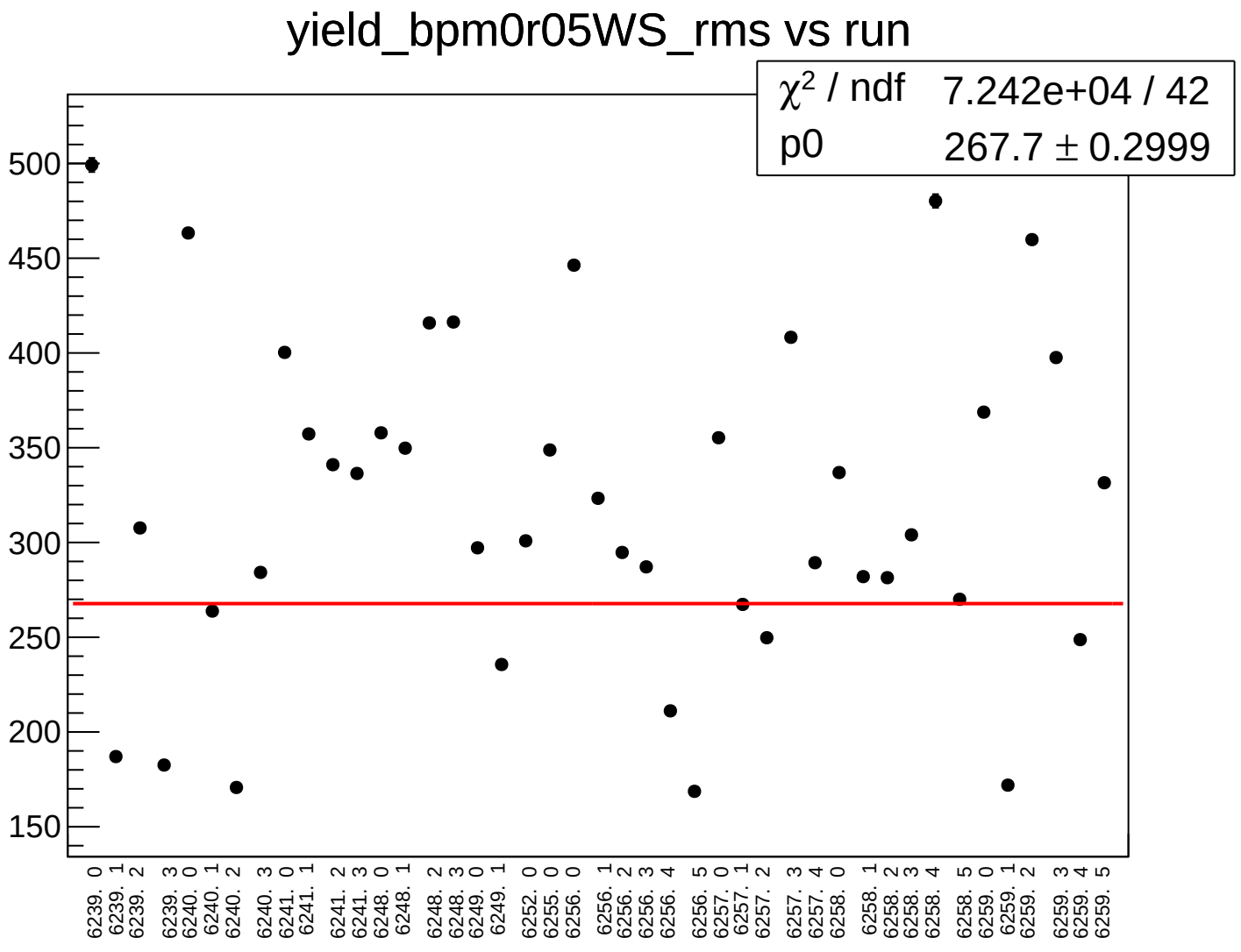

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

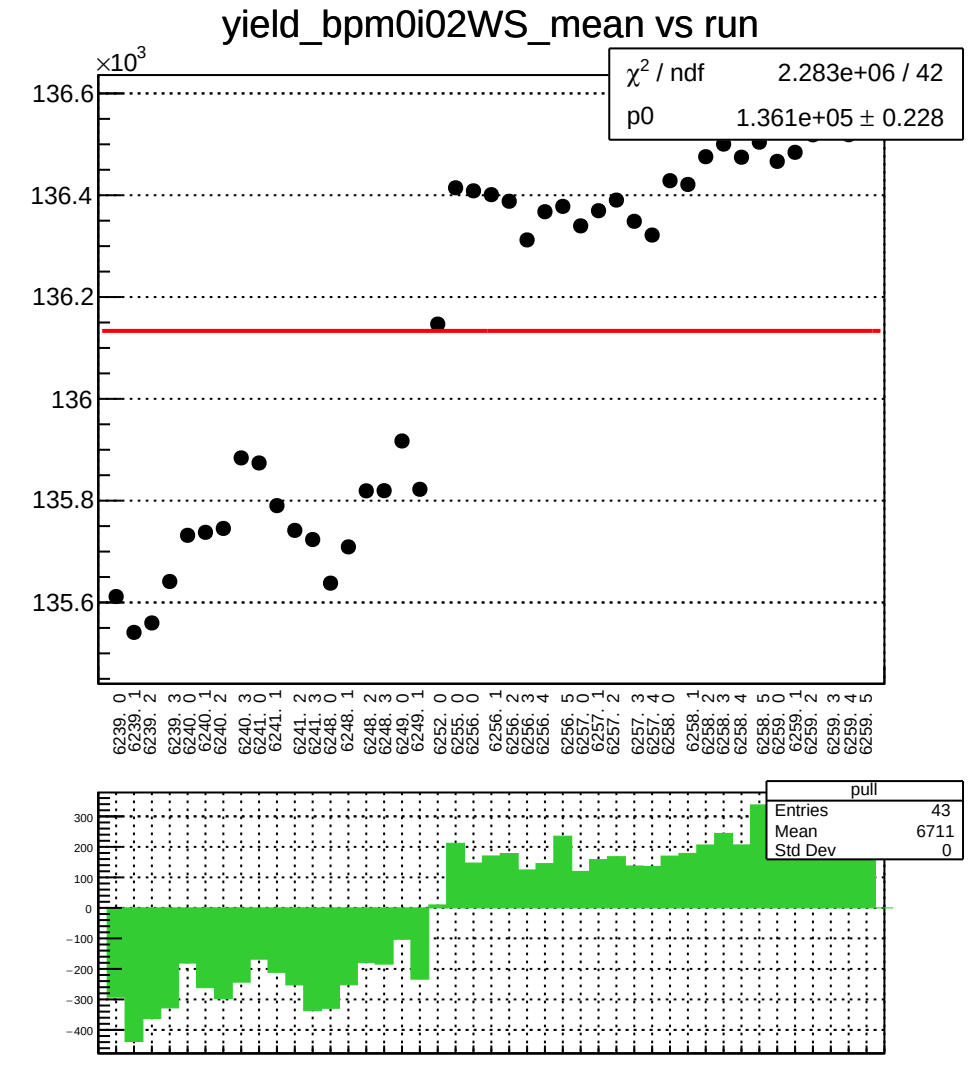

yield_bpm0l10WS_rms vs run
χ² / ndf 1.206e+04 / 42
p0 170.9 ± 0.1846
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

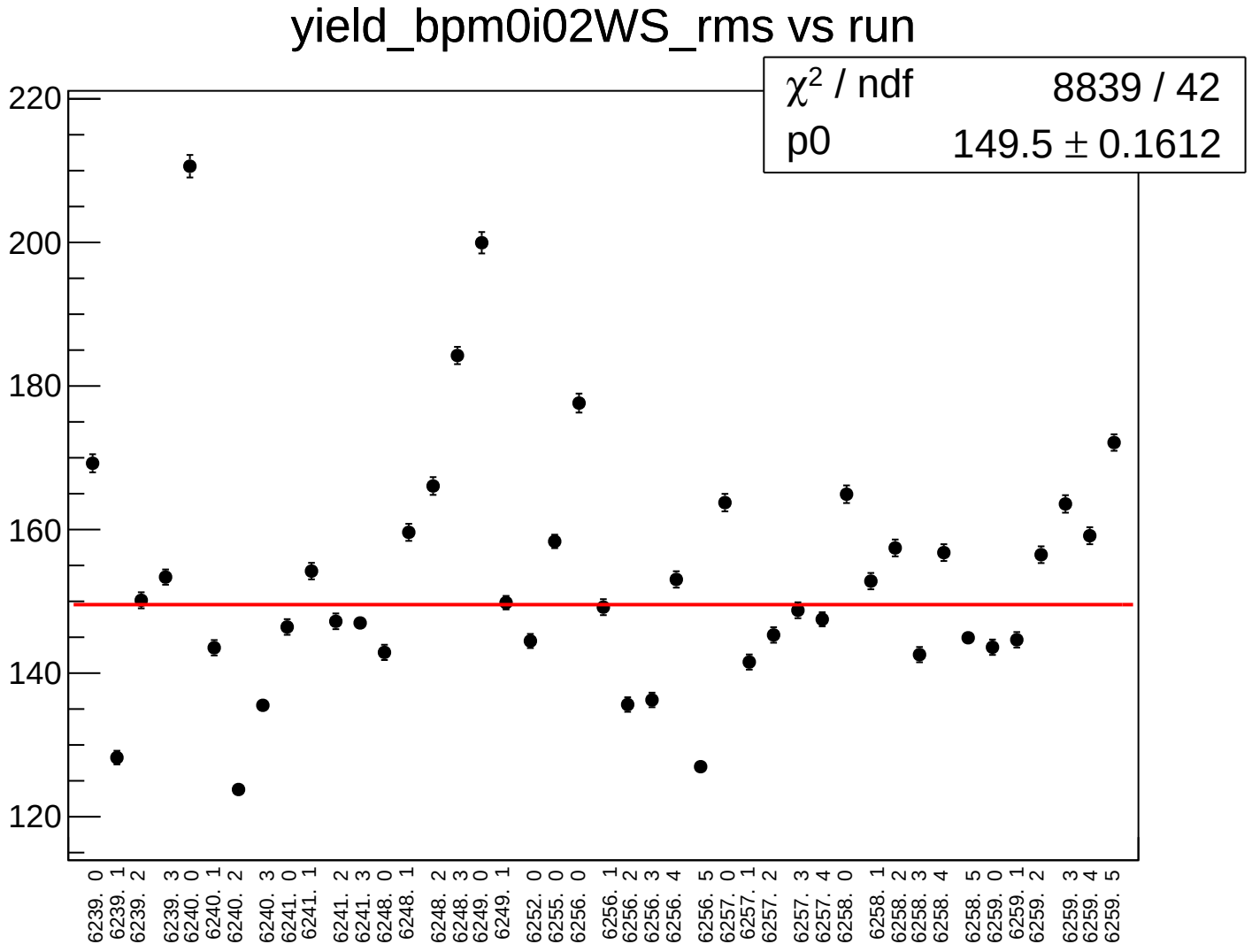

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 7.126e+05 / 42
p0 1.436e+05 ± 0.4215
144.2
144
143.8
143.6
143.4
143.2
143
142.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.6
Std Dev 0
400
300
200
100
0
−100
−200
pull1D
Entries 43
Mean −1.761
Std Dev 4.684
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

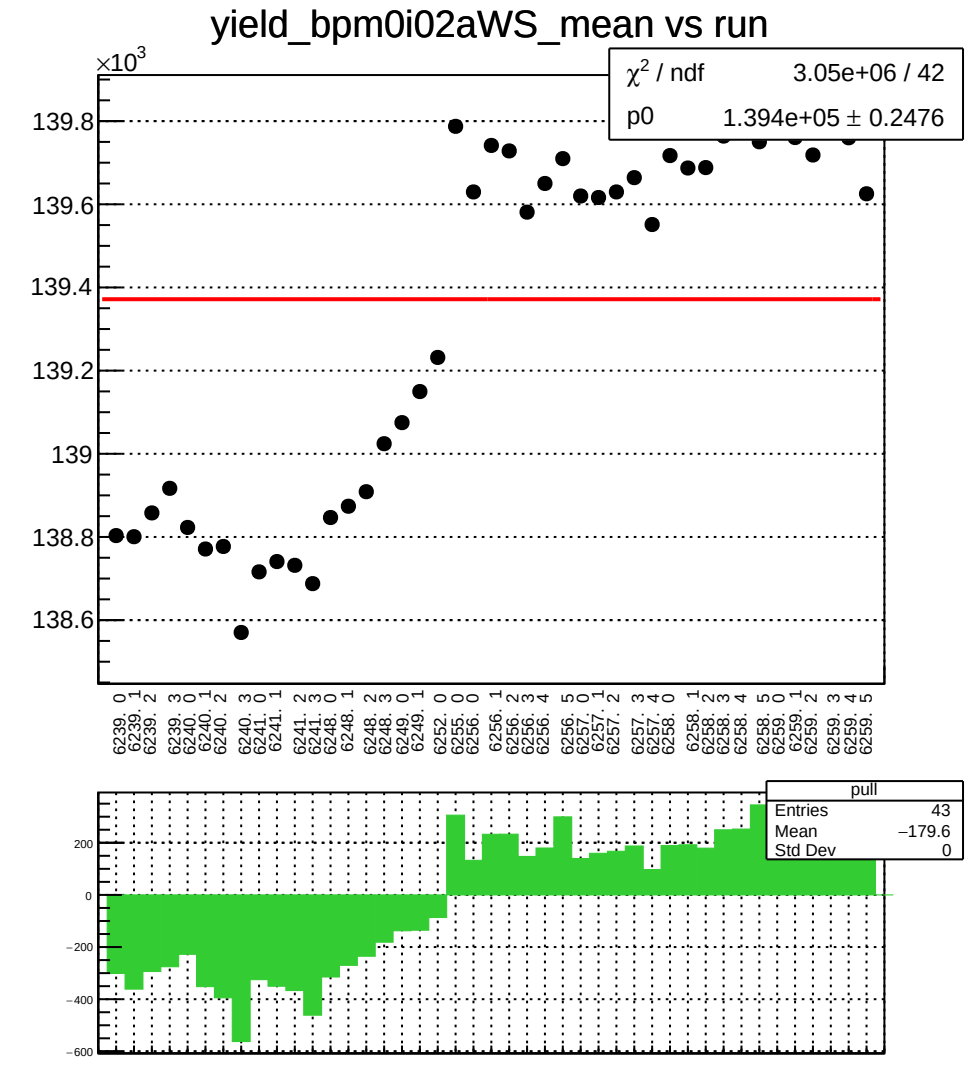

yield_bpm0r03WS_rms vs run
χ² / ndf 1.382e+05 / 42
p0 254.9 ± 0.298
800
700
600
500
400
300
200
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

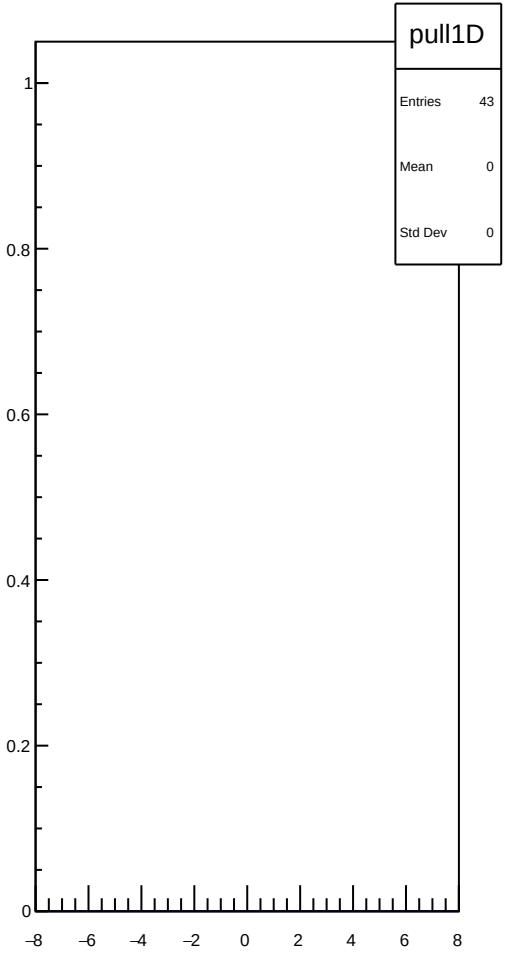

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.395e+05 / 42
p0 1.354e+05 ± 0.4241
135.8
135.6
135.4
135.2
135
134.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103.1
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 43
Mean 2.463
Std Dev 4.219
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

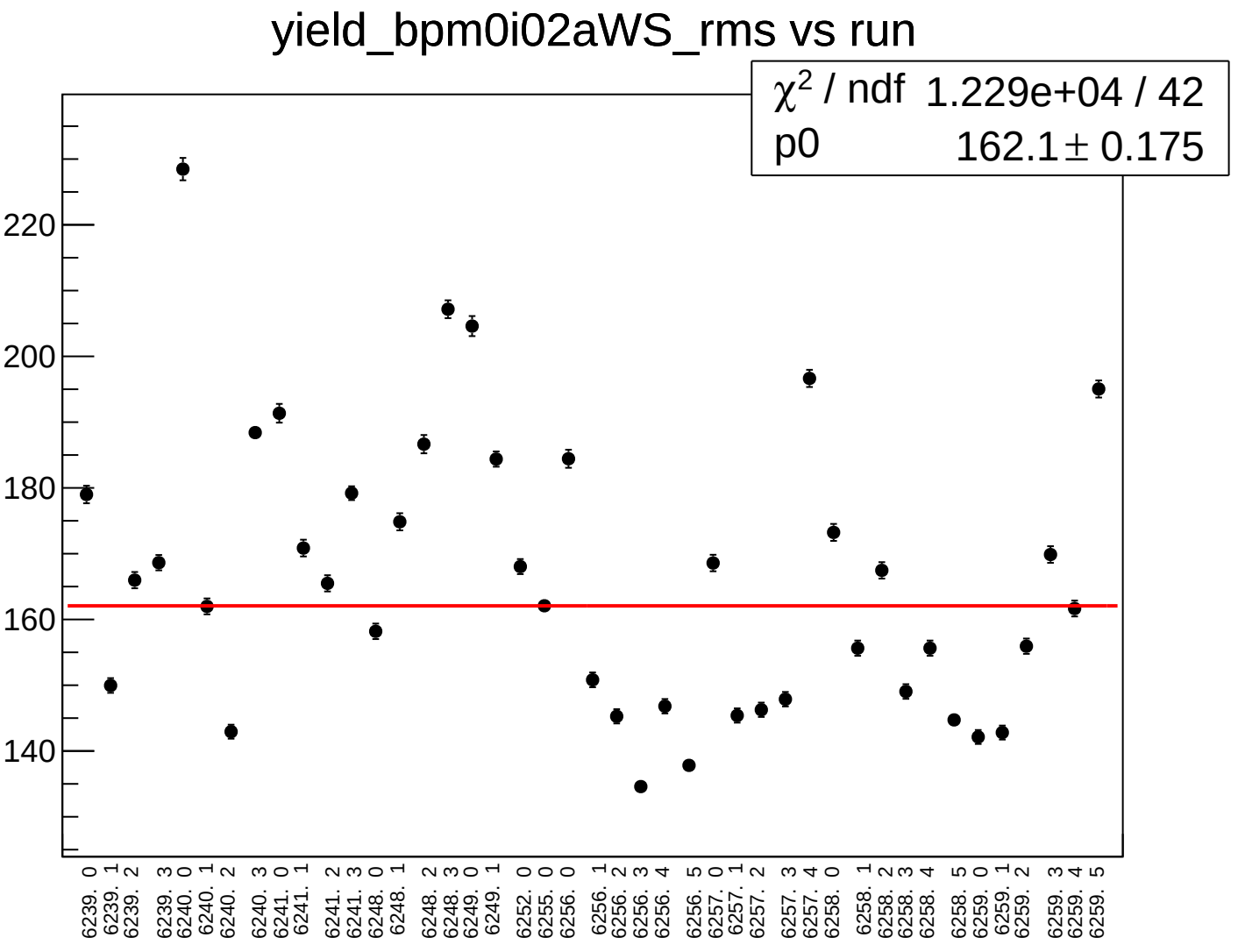

yield_bpm0r05WS_rms vs run
χ² / ndf 7.242e+04 / 42
p0 267.7 ± 0.2999
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

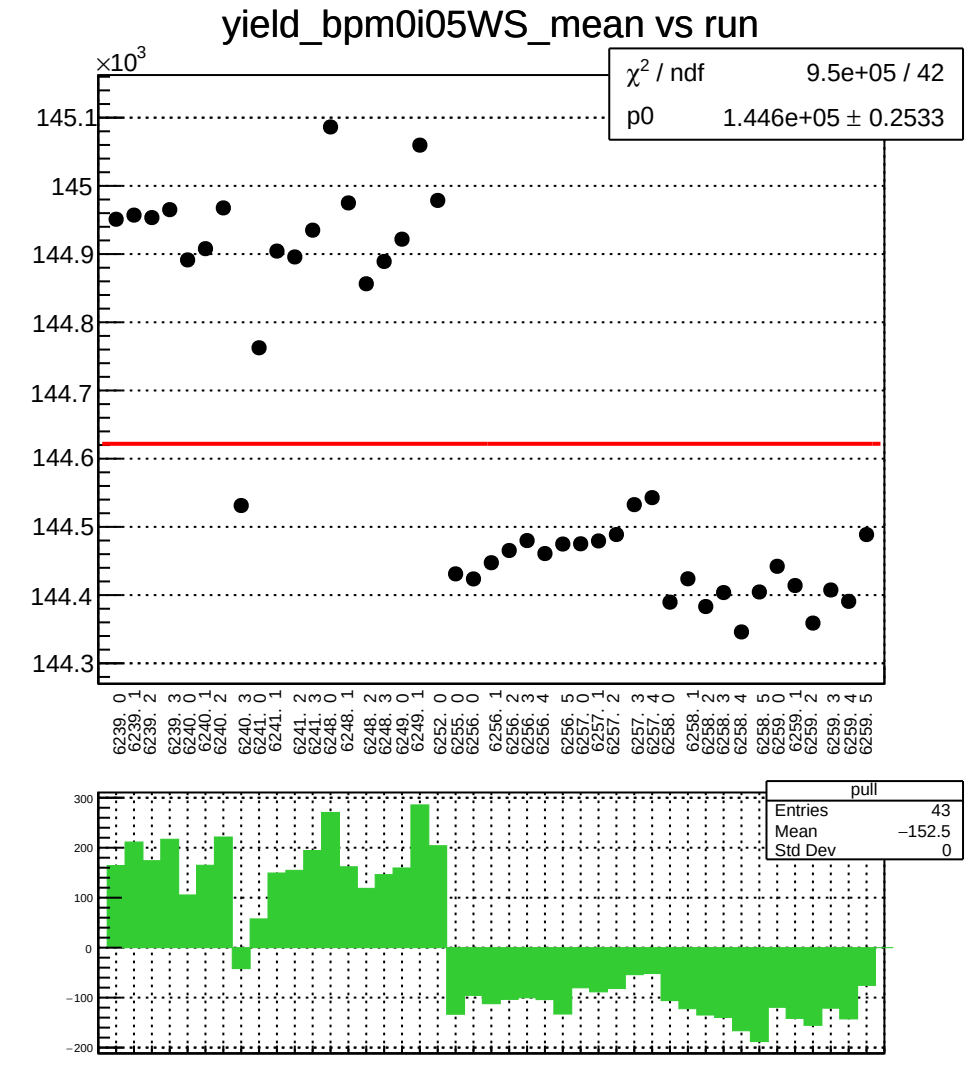

yield_bpm0i02WS_mean vs run
×10^3
χ^2 / ndf 2.283e+06 / 42
p0 1.361e+05 ± 0.228
136.6
136.4
136.2
136
135.8
135.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 6711
Std Dev 0
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

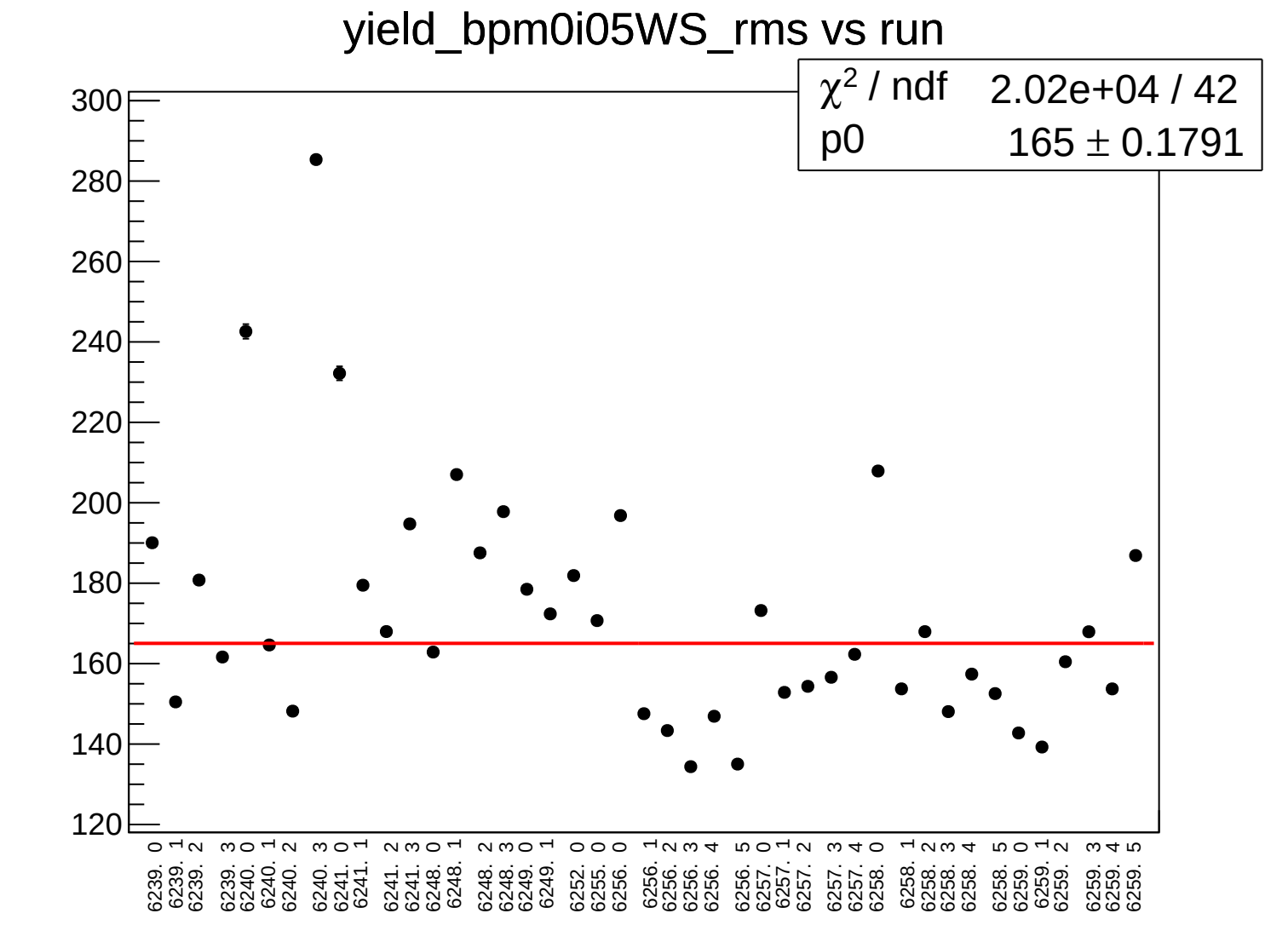

yield_bpm0i02WS_rms vs run
χ² / ndf 8839 / 42
p0 149.5 ± 0.1612
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

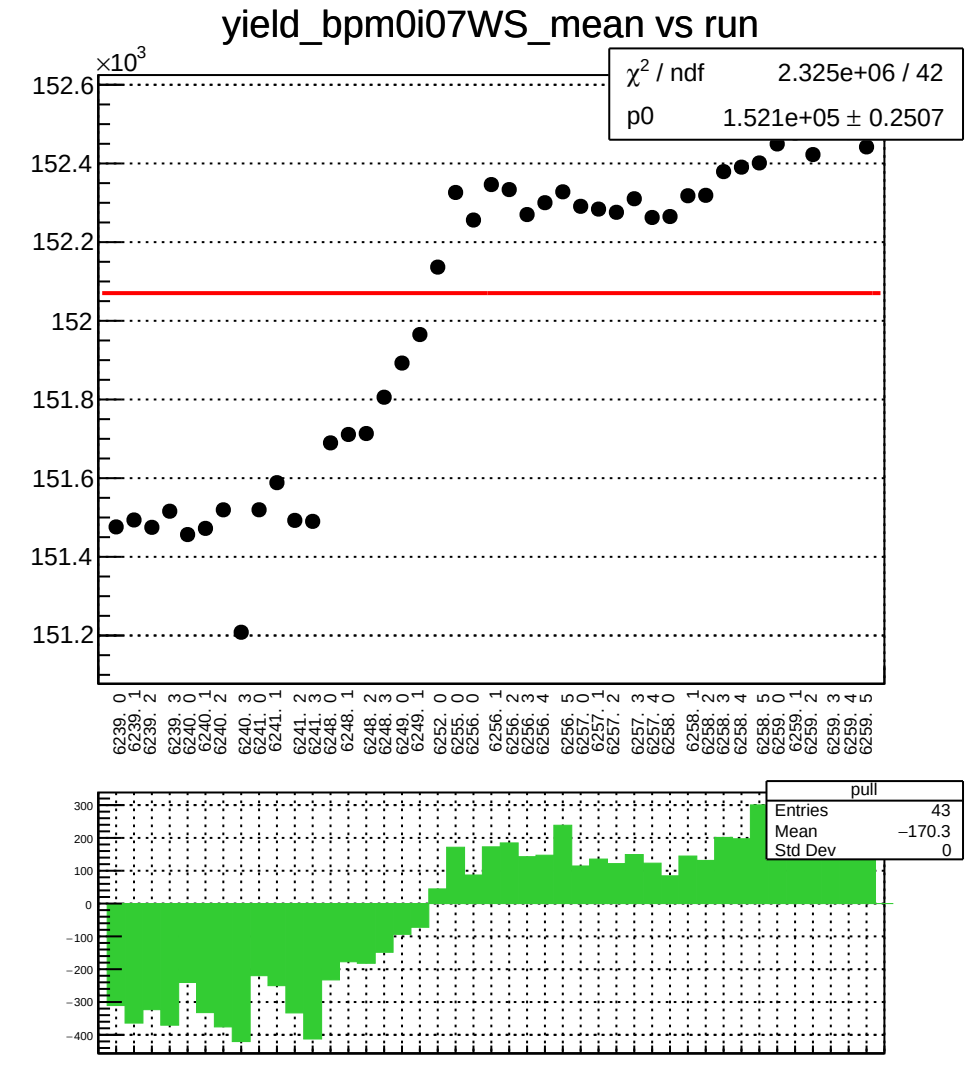

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 3.05e+06 / 42
p0 1.394e+05 ± 0.2476
139.8
139.6
139.4
139.2
139
138.8
138.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −179.6
Std Dev 0
200
0
−200
−400
−600

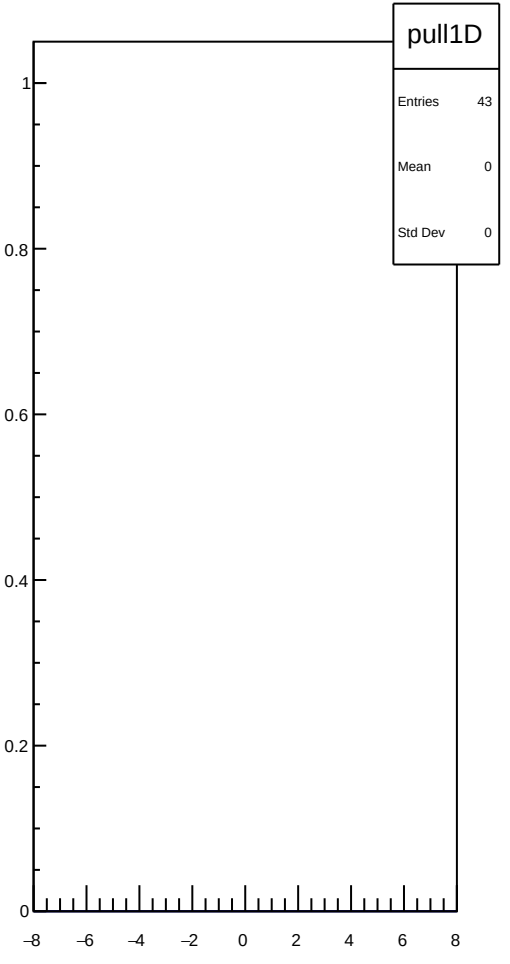

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

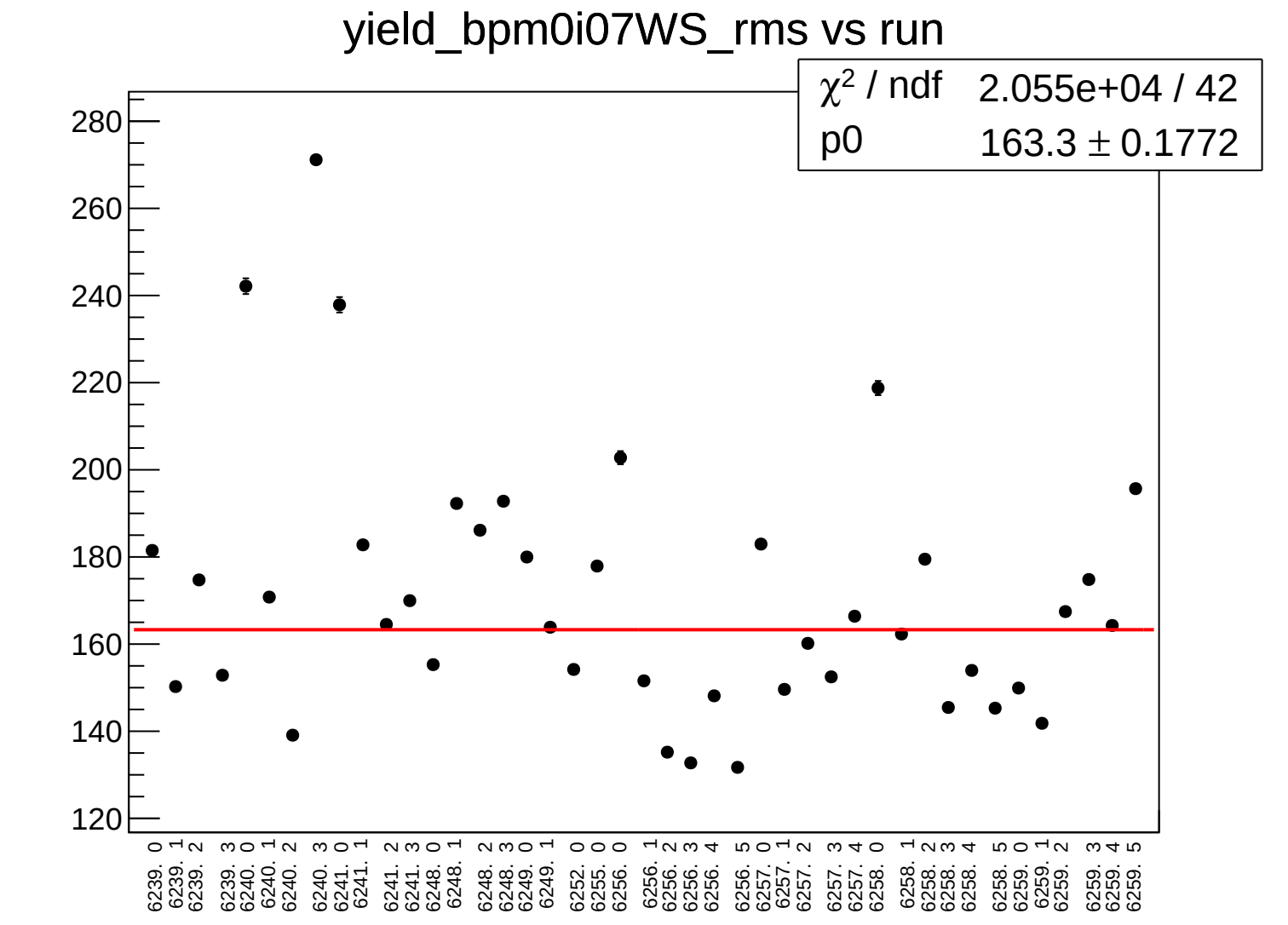

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.229e+04 / 42
p0 162.1 ± 0.175
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

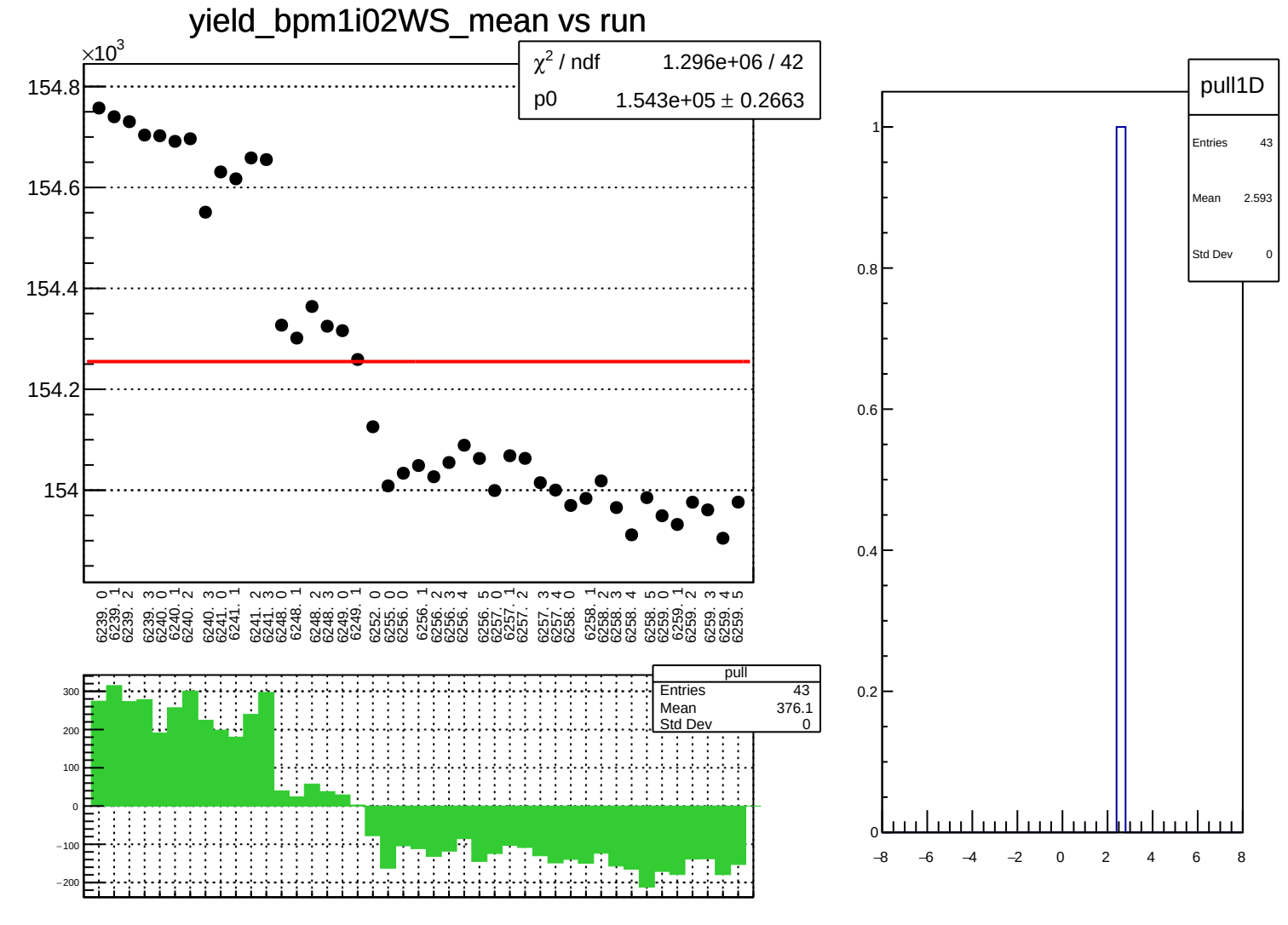

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 9.5e+05 / 42
p0 1.446e+05 ± 0.2533
145.1
145
144.9
144.8
144.7
144.6
144.5
144.4
144.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −152.5
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

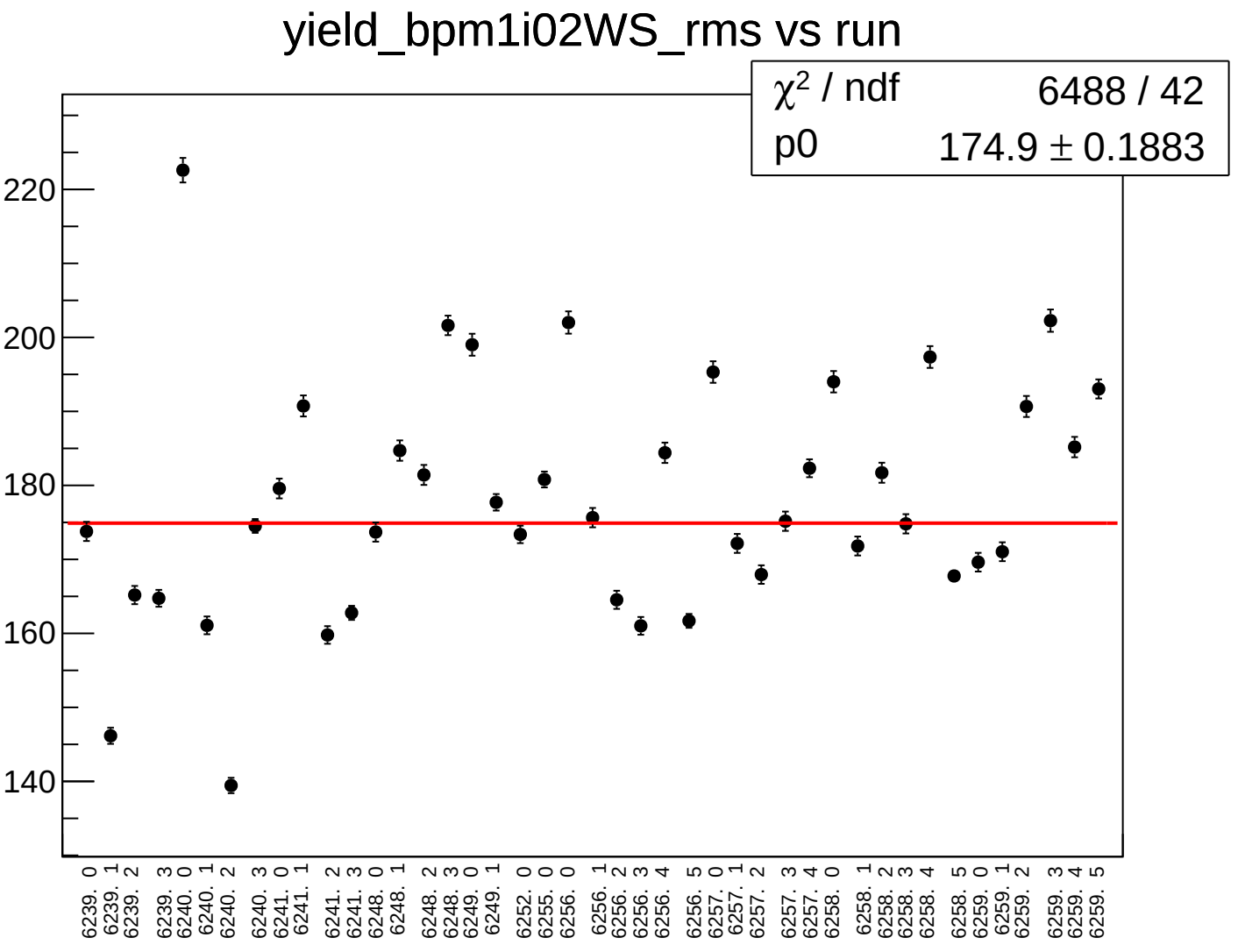

yield_bpm0i05WS_rms vs run
χ² / ndf 2.02e+04 / 42
p0 165 ± 0.1791
300
280
260
240
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

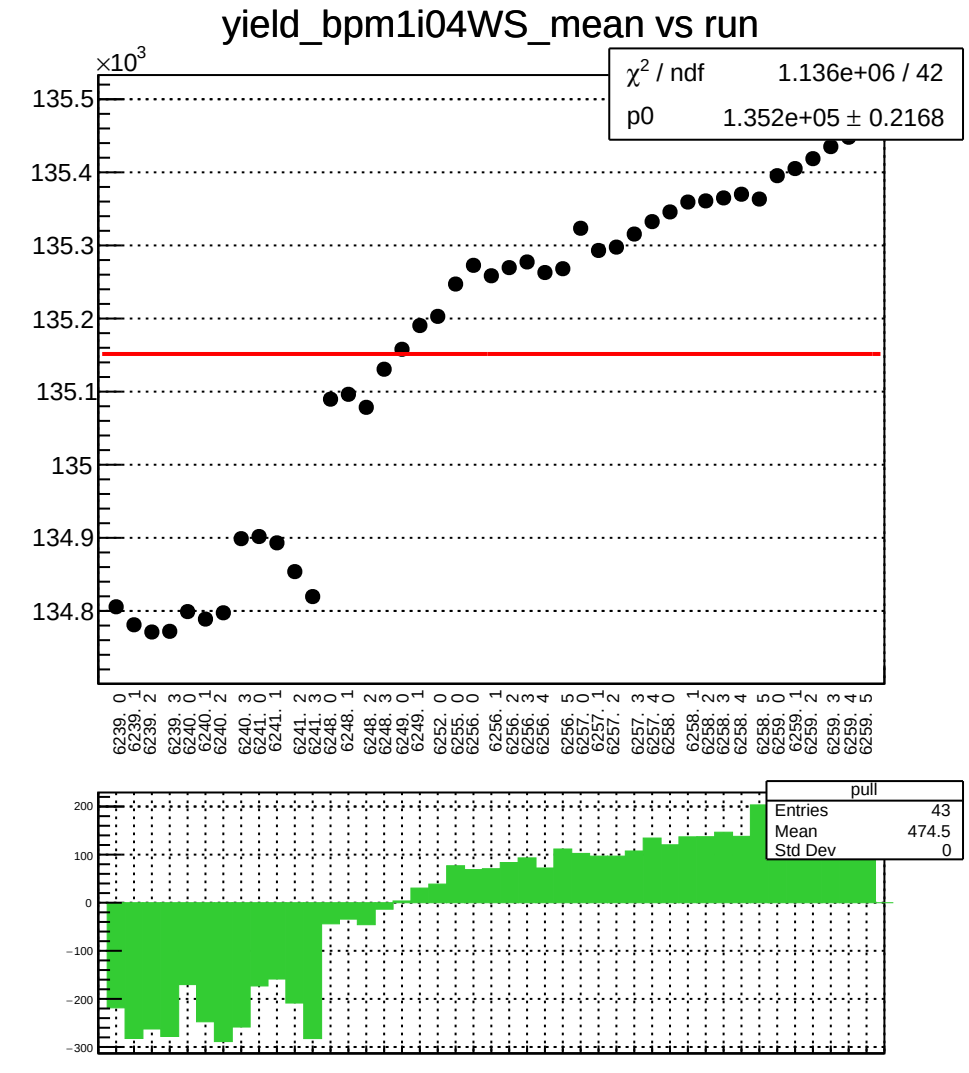

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 2.325e+06 / 42
p0 1.521e+05 ± 0.2507
152.6
152.4
152.2
152
151.8
151.6
151.4
151.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −170.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400

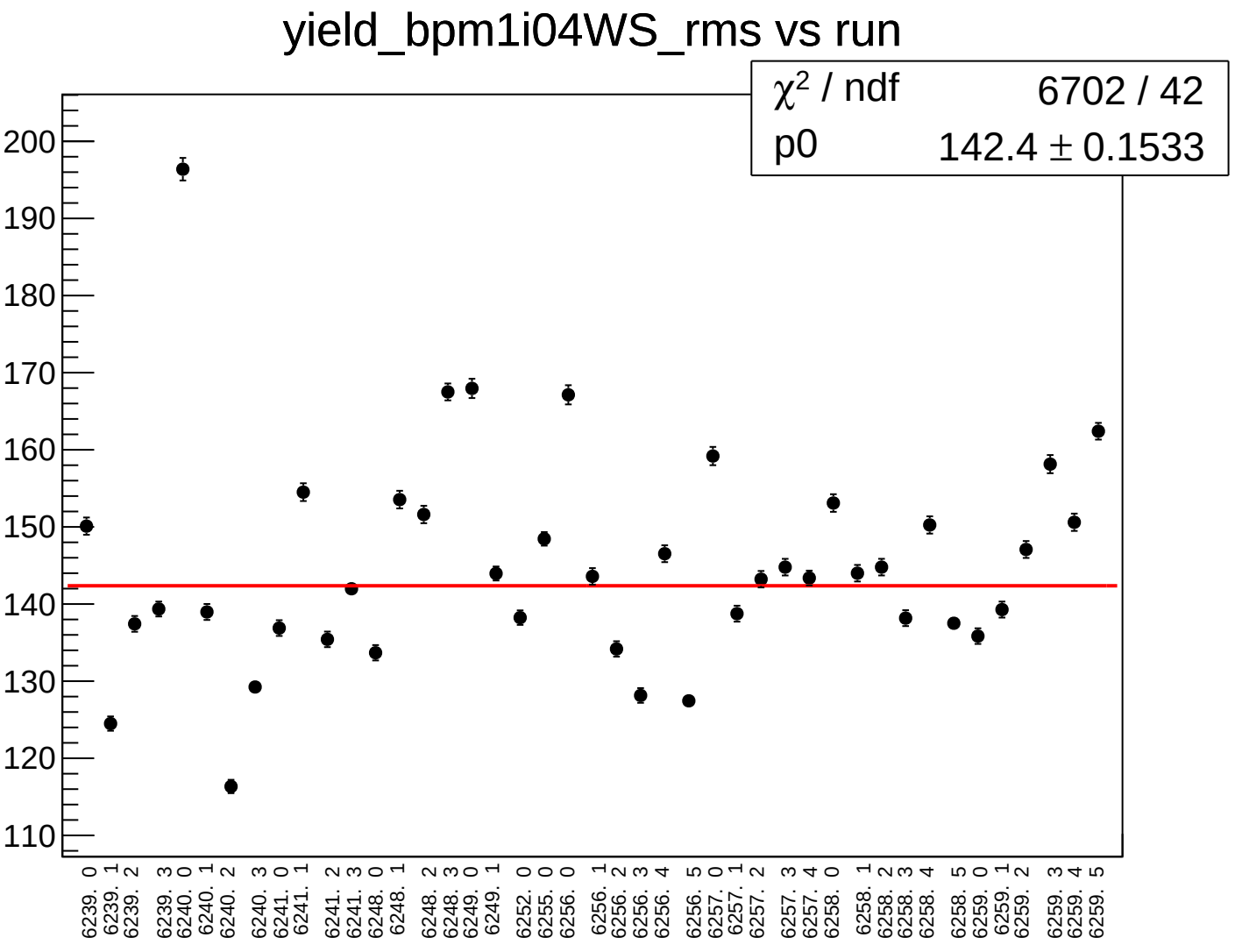

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

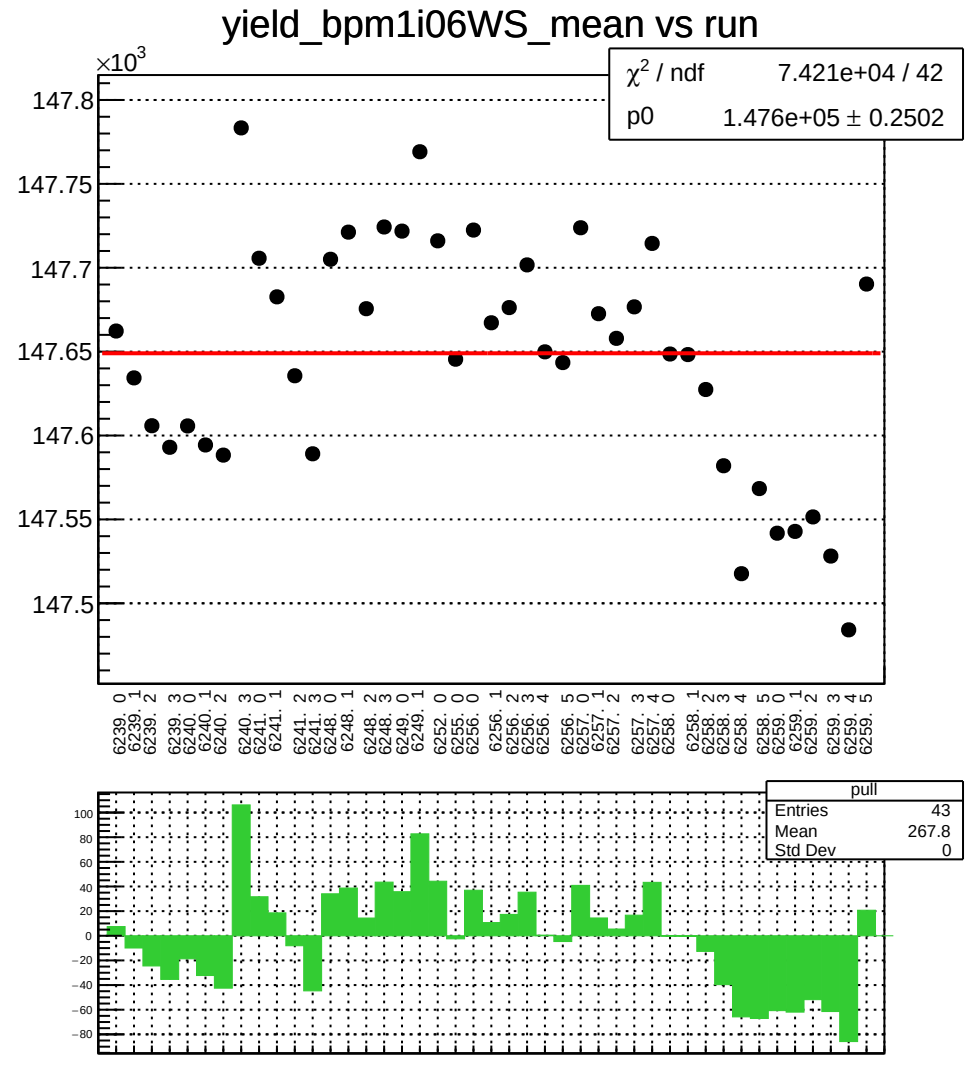

yield_bpm0i07WS_rms vs run
χ² / ndf 2.055e+04 / 42
p0 163.3 ± 0.1772
280
260
240
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

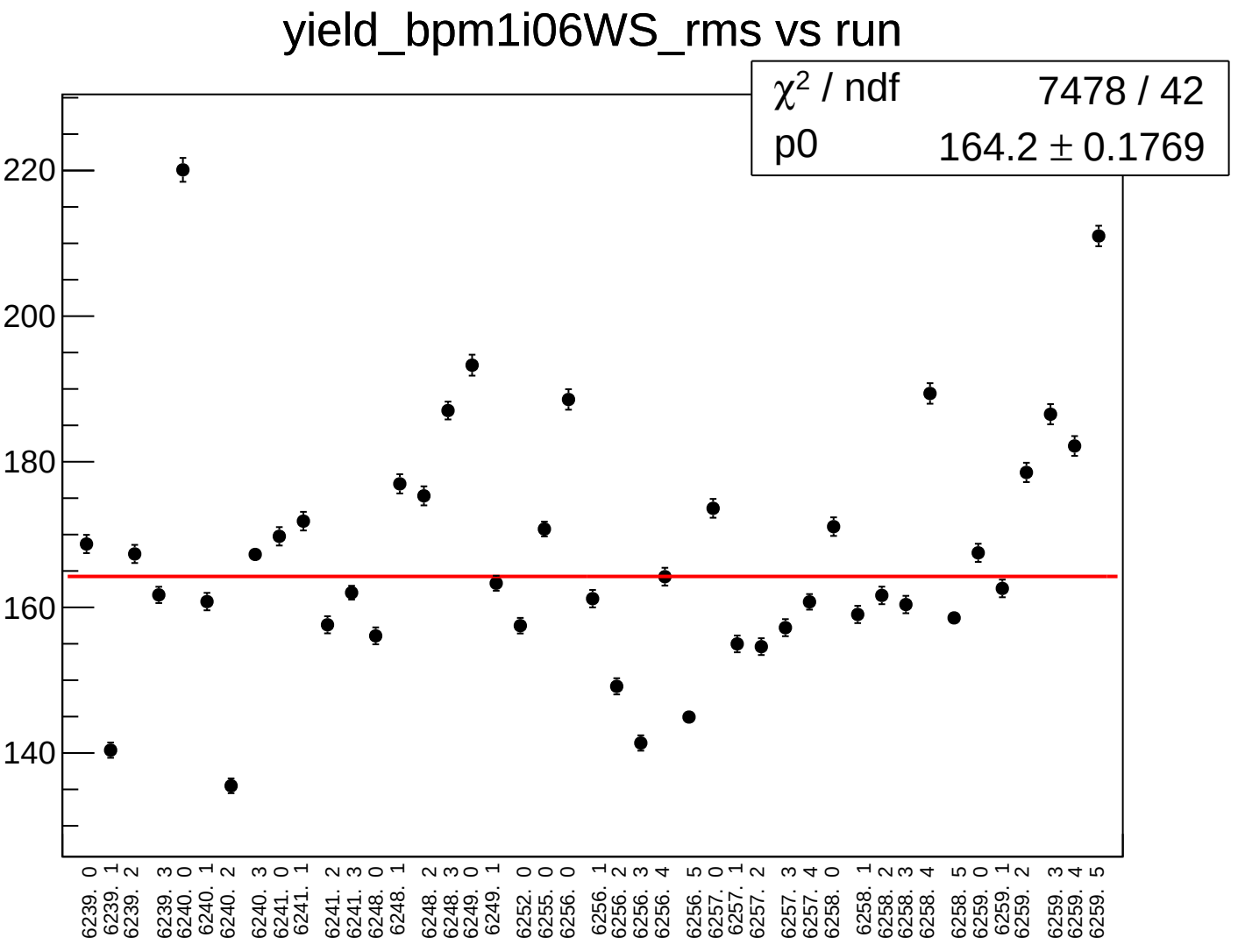

yield_bpm1i02WS_mean vs run
×10^3
χ^2 / ndf 1.296e+06 / 42
p0 1.543e+05 ± 0.2663
154.8
154.6
154.4
154.2
154
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 376.1
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 43
Mean 2.593
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

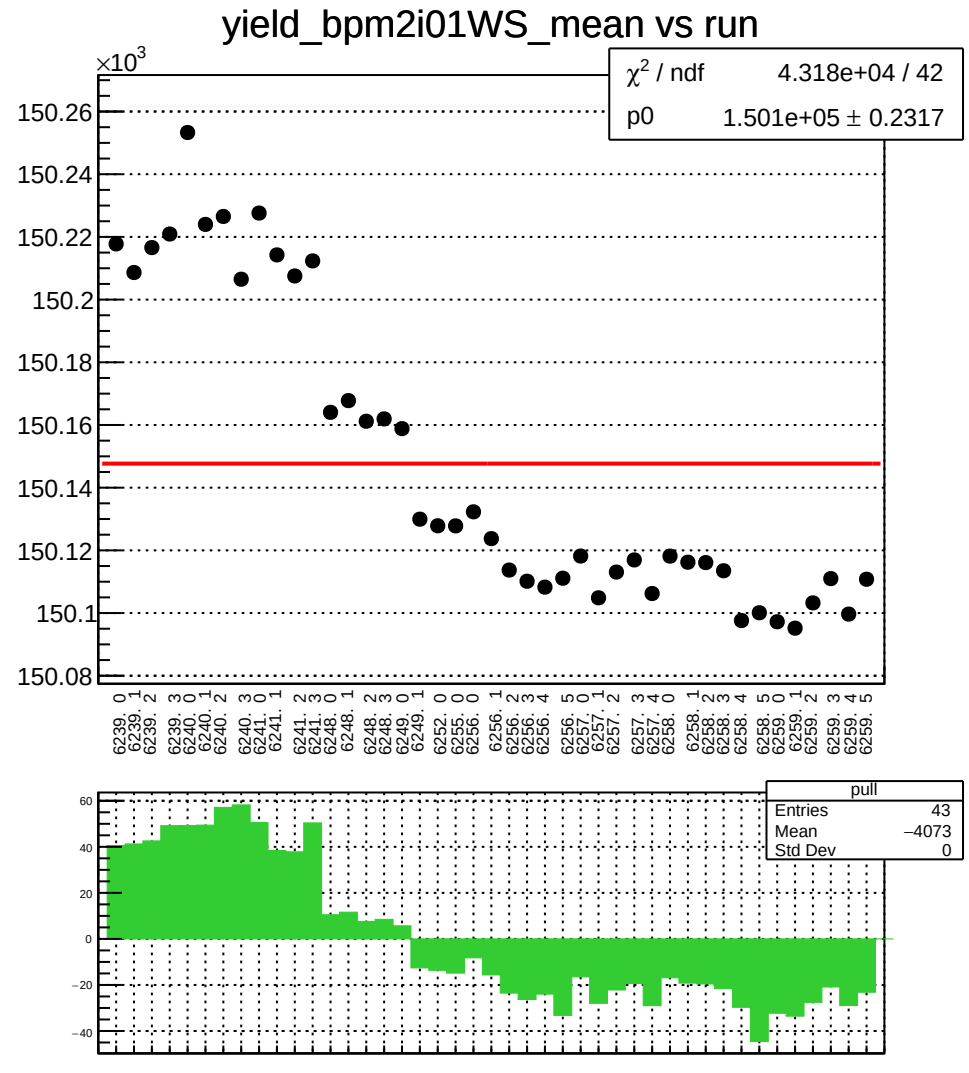

yield_bpm1i02WS_rms vs run
χ² / ndf 6488 / 42
p0 174.9 ± 0.1883
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

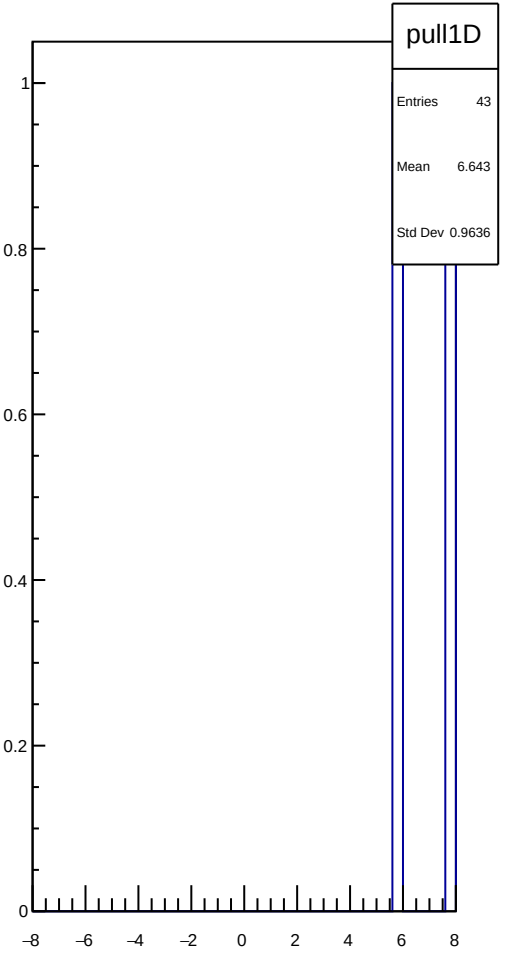

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.136e+06 / 42
p0 1.352e+05 ± 0.2168
135.5
135.4
135.3
135.2
135.1
135
134.9
134.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 474.5
Std Dev 0
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean 3.62
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

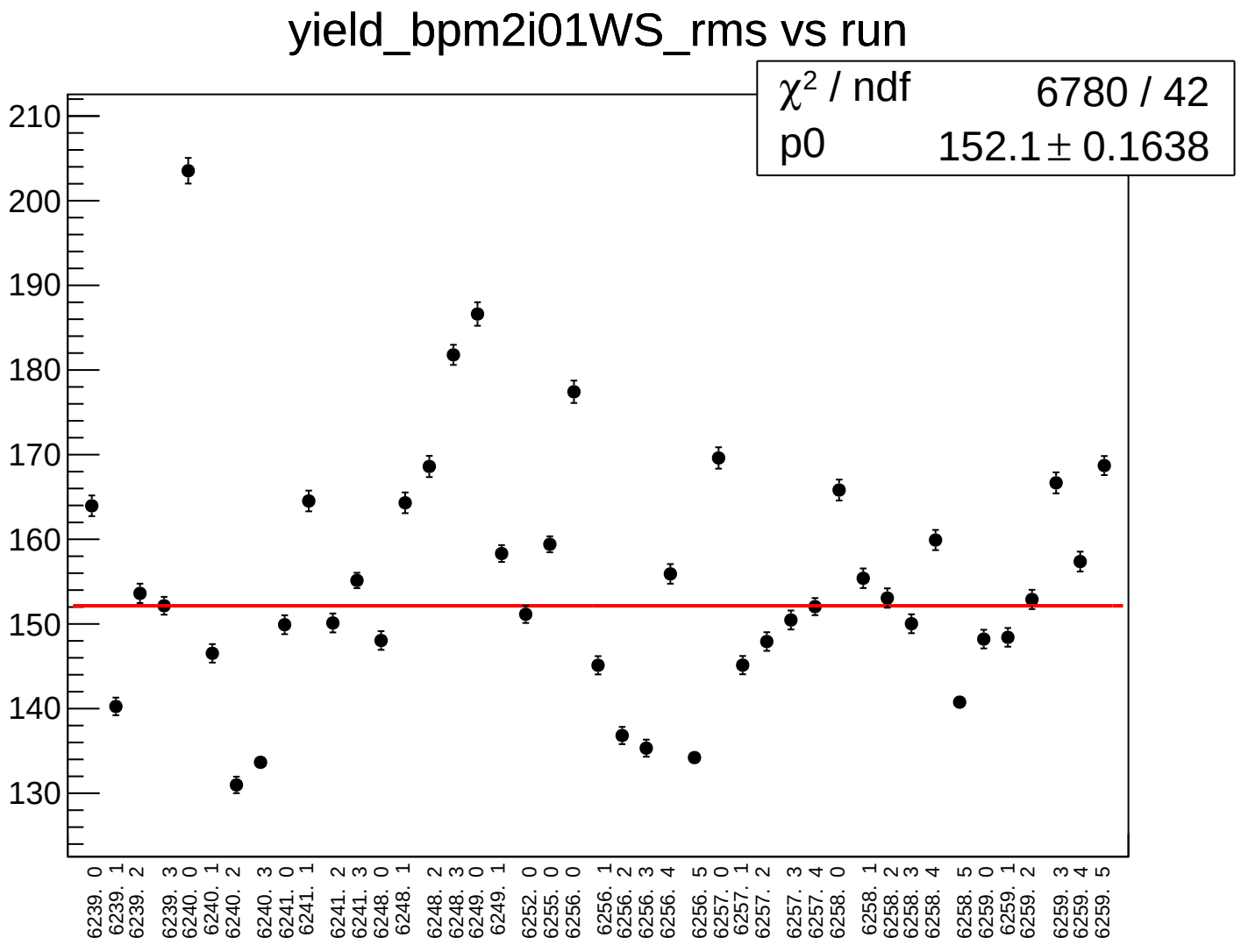

yield_bpm1i04WS_rms vs run
χ² / ndf 6702 / 42
p0 142.4 ± 0.1533
200
190
180
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

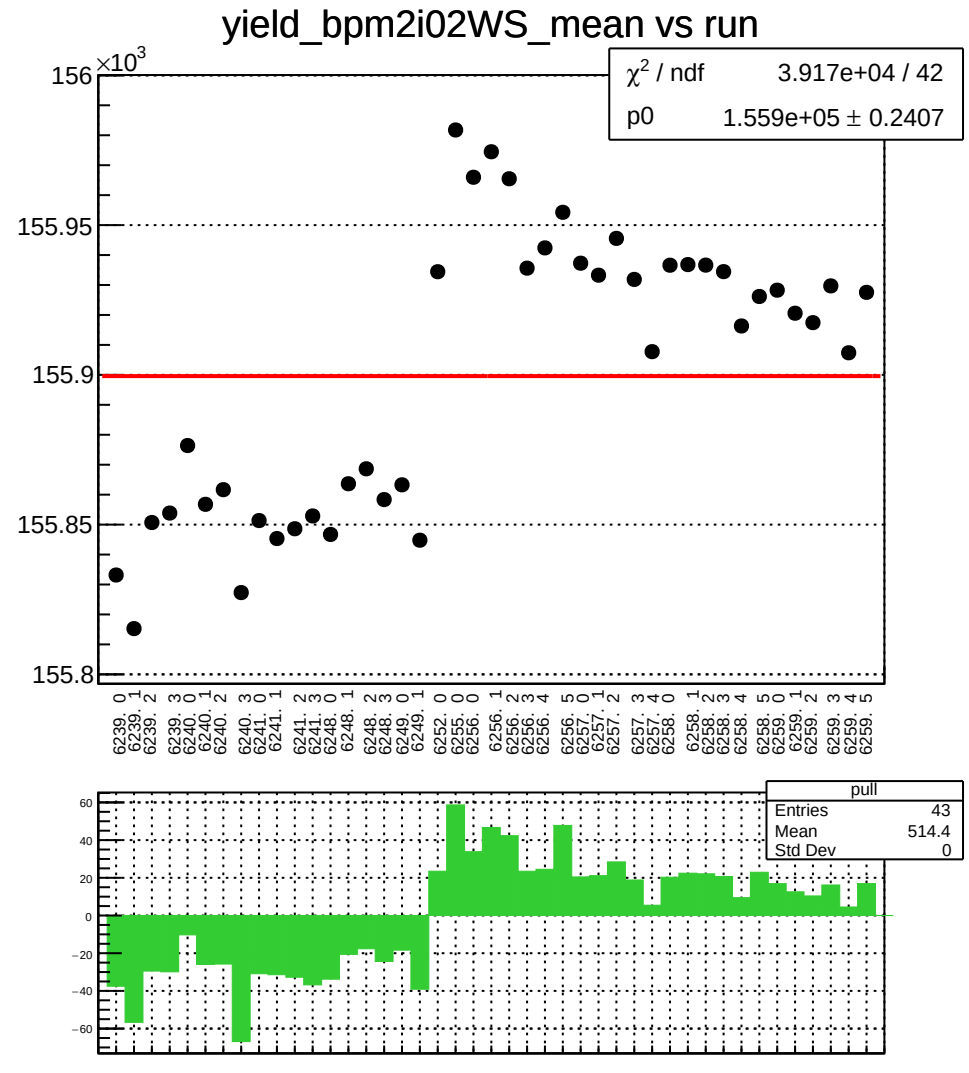

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 7.421e+04 / 42
p0 1.476e+05 ± 0.2502
147.8
147.75
147.7
147.65
147.6
147.55
147.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 267.8
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 43
Mean 0.7956
Std Dev 3.953
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

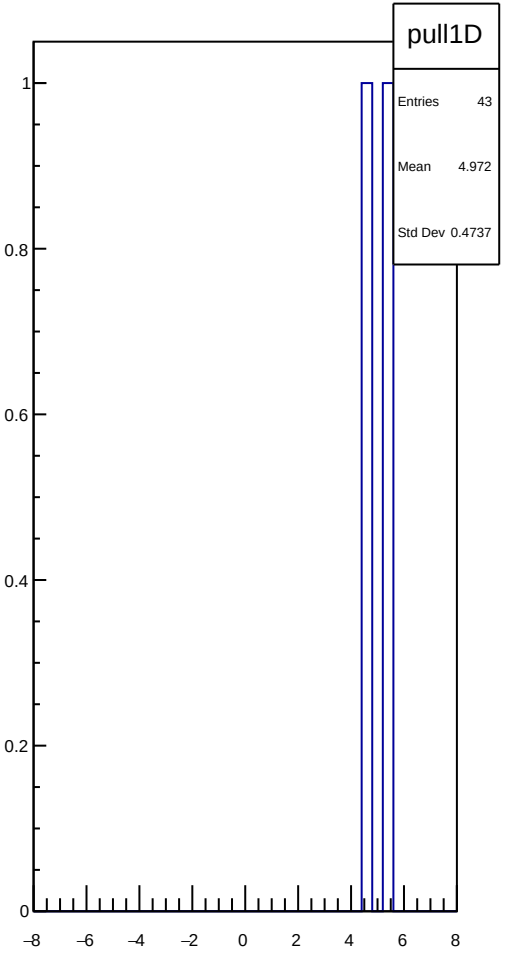

yield_bpm1i06WS_rms vs run
χ² / ndf 7478 / 42
p0 164.2 ± 0.1769
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

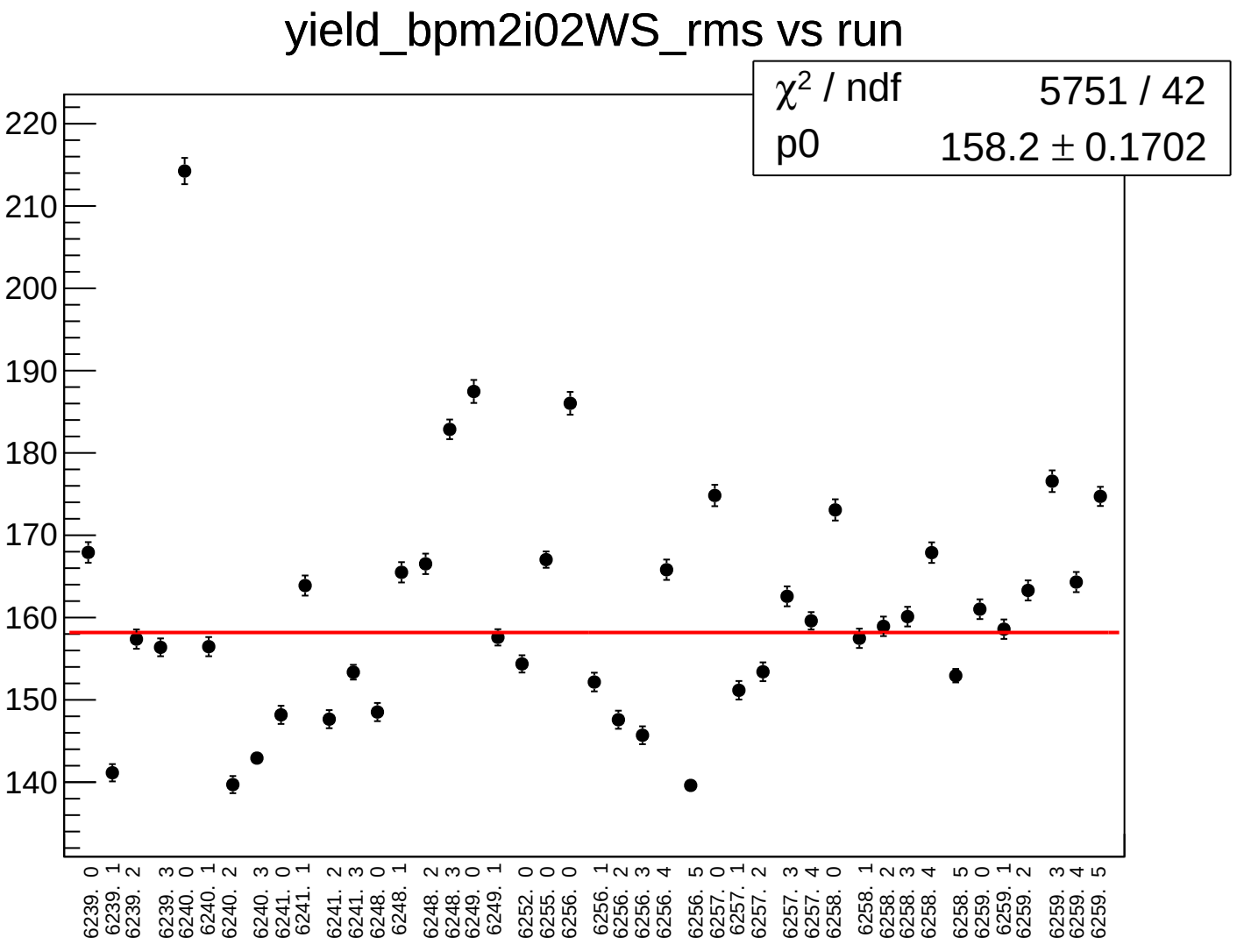

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 4.318e+04 / 42
p0 1.501e+05 ± 0.2317
150.26
150.24
150.22
150.2
150.18
150.16
150.14
150.12
150.1
150.08
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4073
Std Dev 0
60
40
20
0
−20
−40

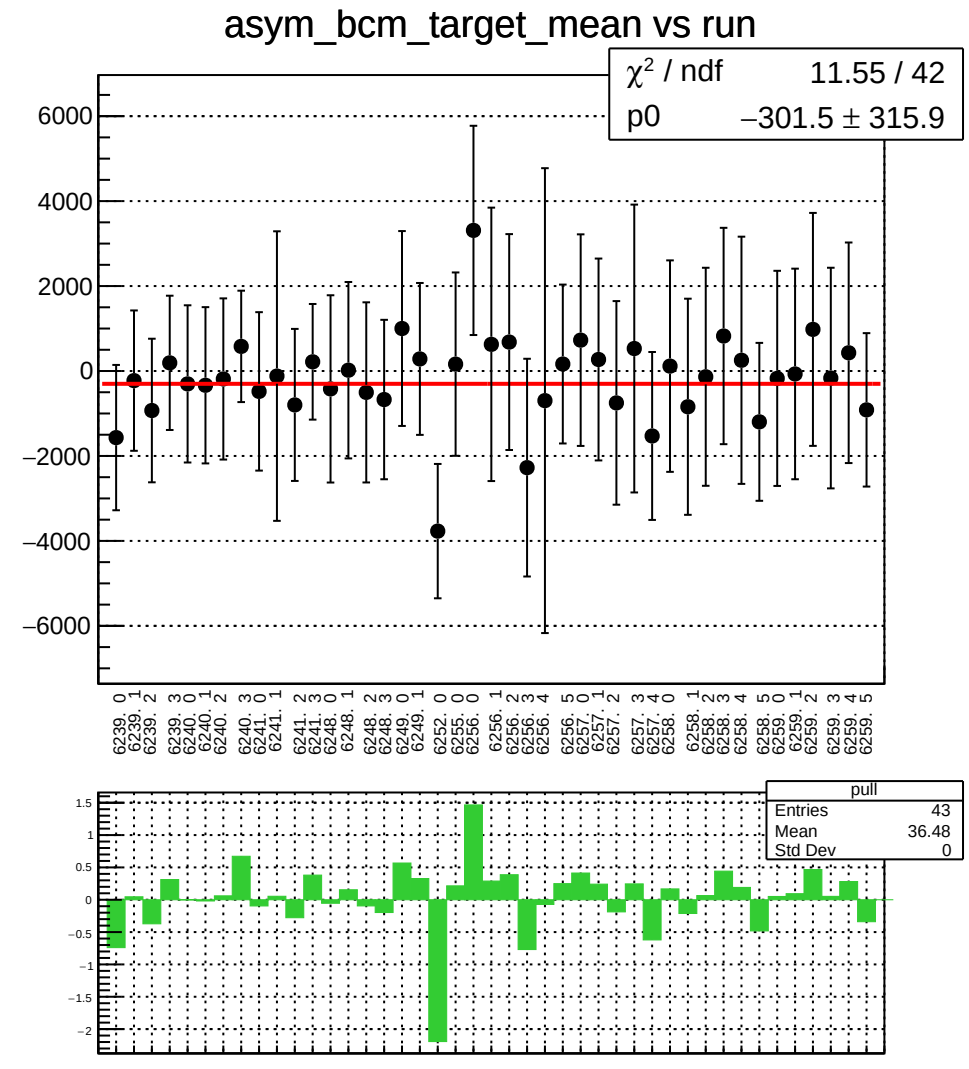

pull1D
Entries 43
Mean 6.643
Std Dev 0.9636
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

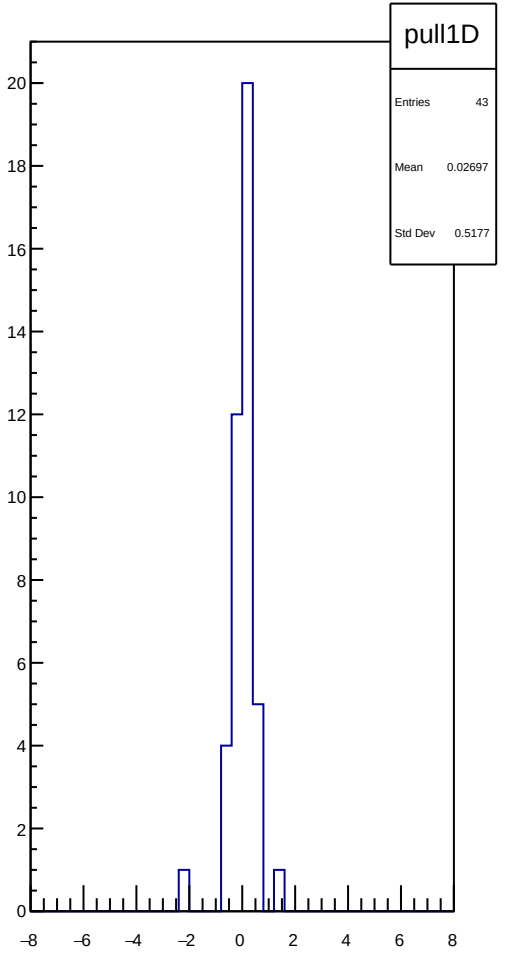

yield_bpm2i01WS_rms vs run
χ² / ndf 6780 / 42
p0 152.1 ± 0.1638
210
200
190
180
170
160
150
140
130
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

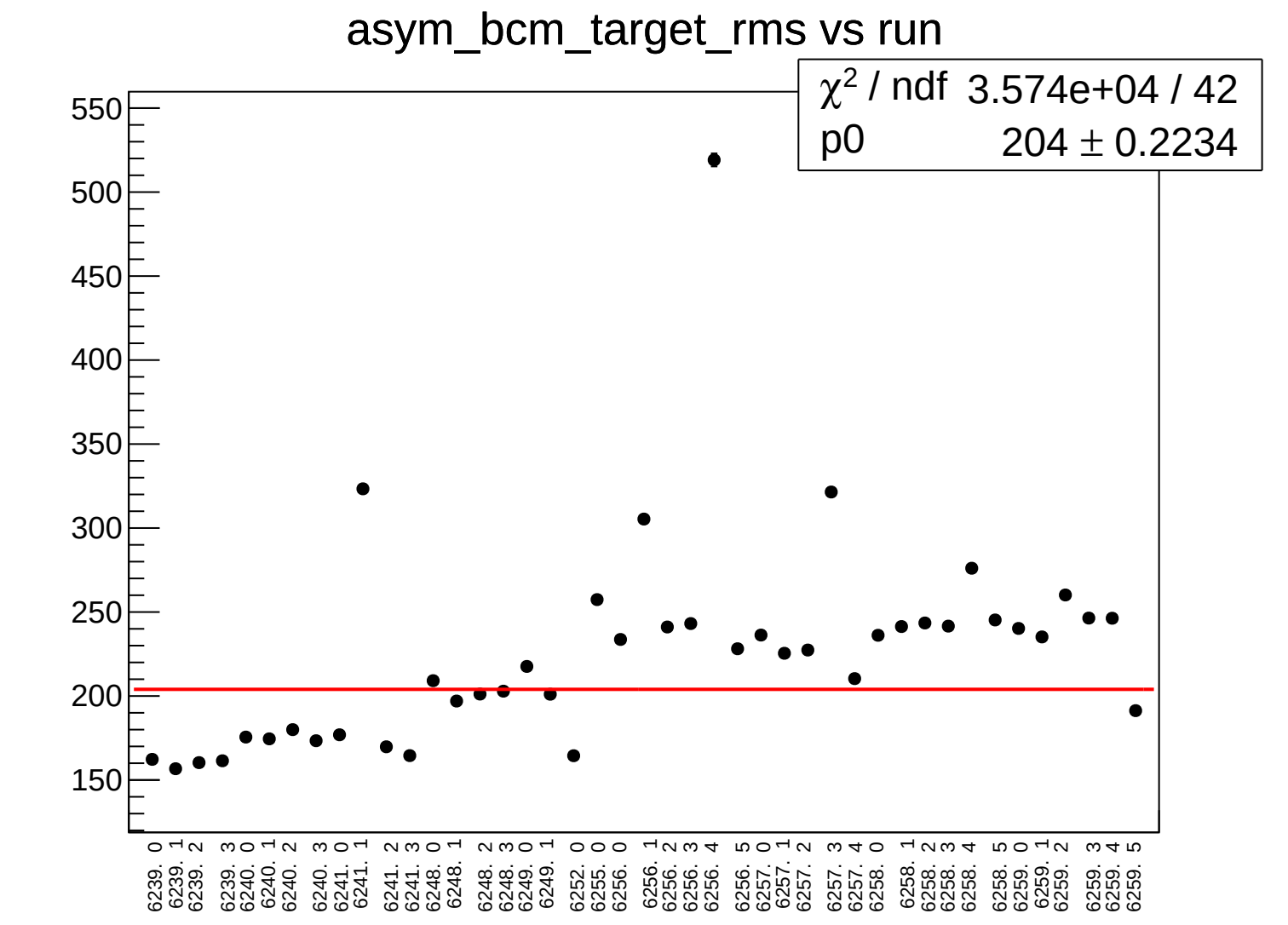

yield_bpm2i02WS_mean vs run
χ² / ndf 3.917e+04 / 42
p0 1.559e+05 ± 0.2407
×10³
156
155.95
155.9
155.85
155.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 514.4
Std Dev 0
60
40
20
0
−20
−40
−60

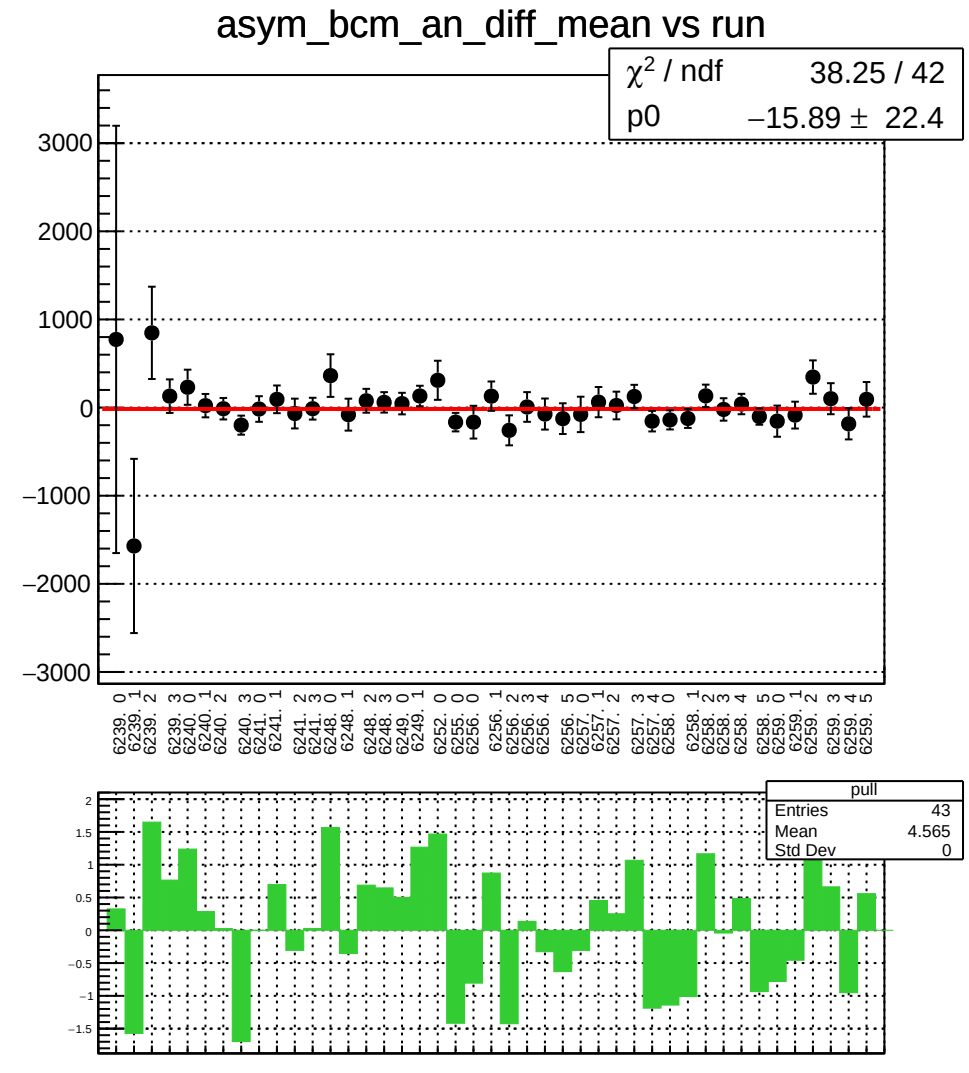

pull1D
Entries 43
Mean 4.972
Std Dev 0.4737
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

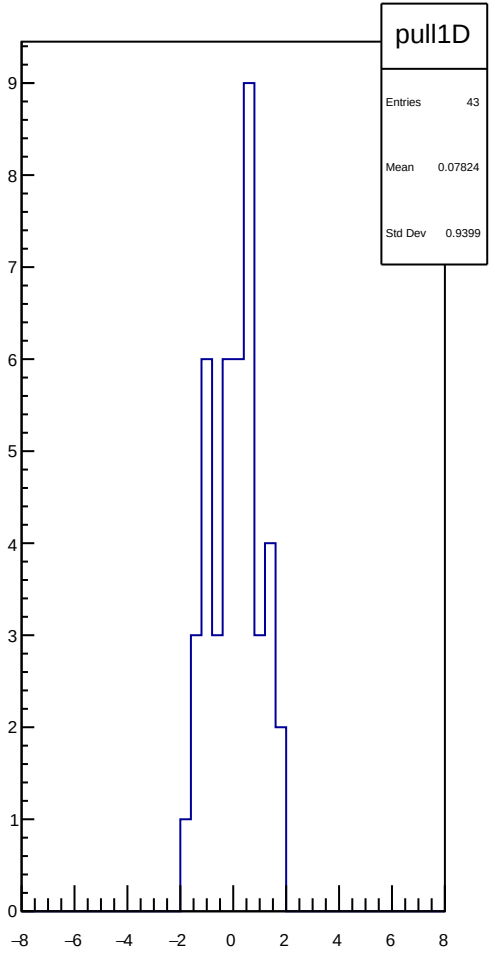

yield_bpm2i02WS_rms vs run
χ² / ndf 5751 / 42
p0 158.2 ± 0.1702
220
210
200
190
180
170
160
150
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

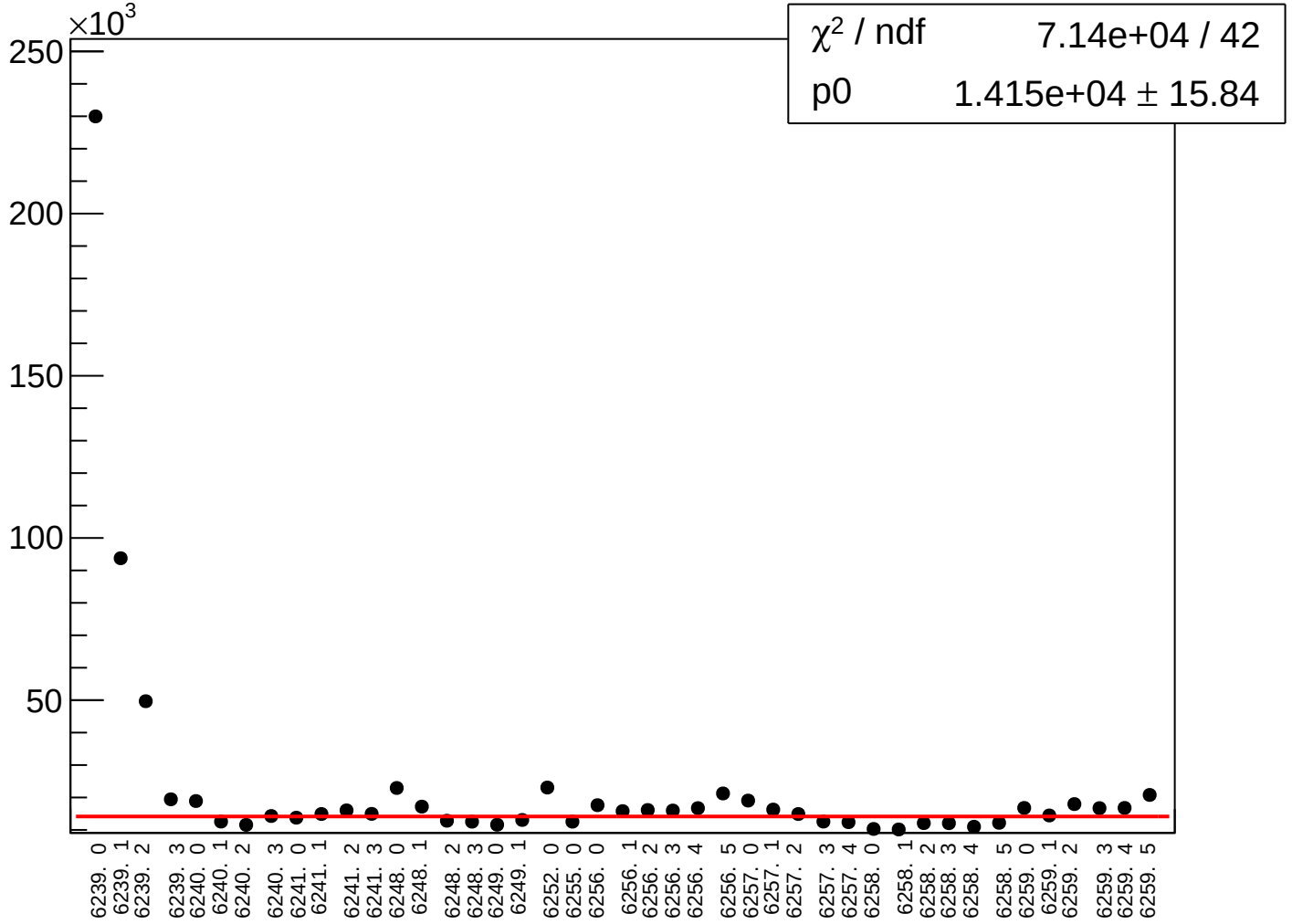

asym_bcm_target_mean vs run
χ² / ndf 11.55 / 42
p0 −301.5 ± 315.9
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

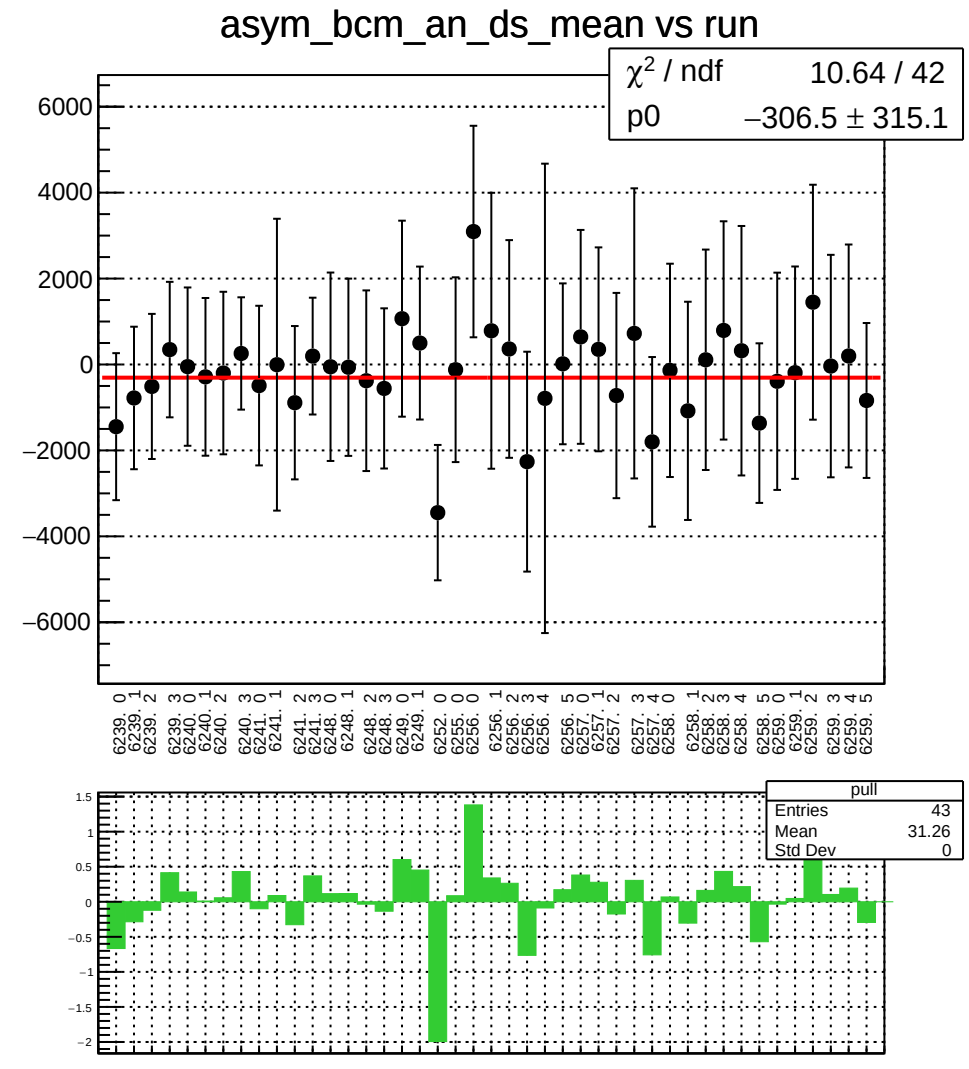

pull1D
Entries 43
Mean 0.02697
Std Dev 0.5177
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

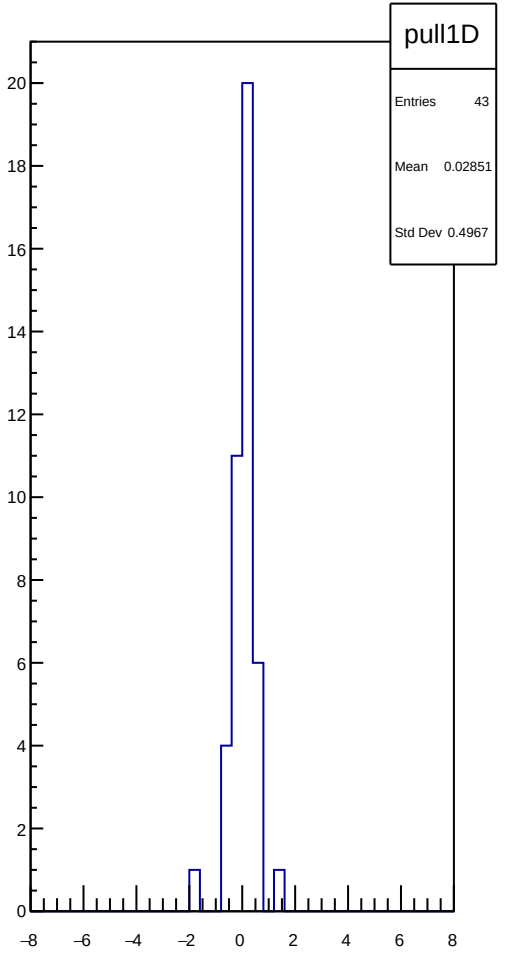

asym_bcm_target_rms vs run
χ² / ndf 3.574e+04 / 42
p0 204 ± 0.2234
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

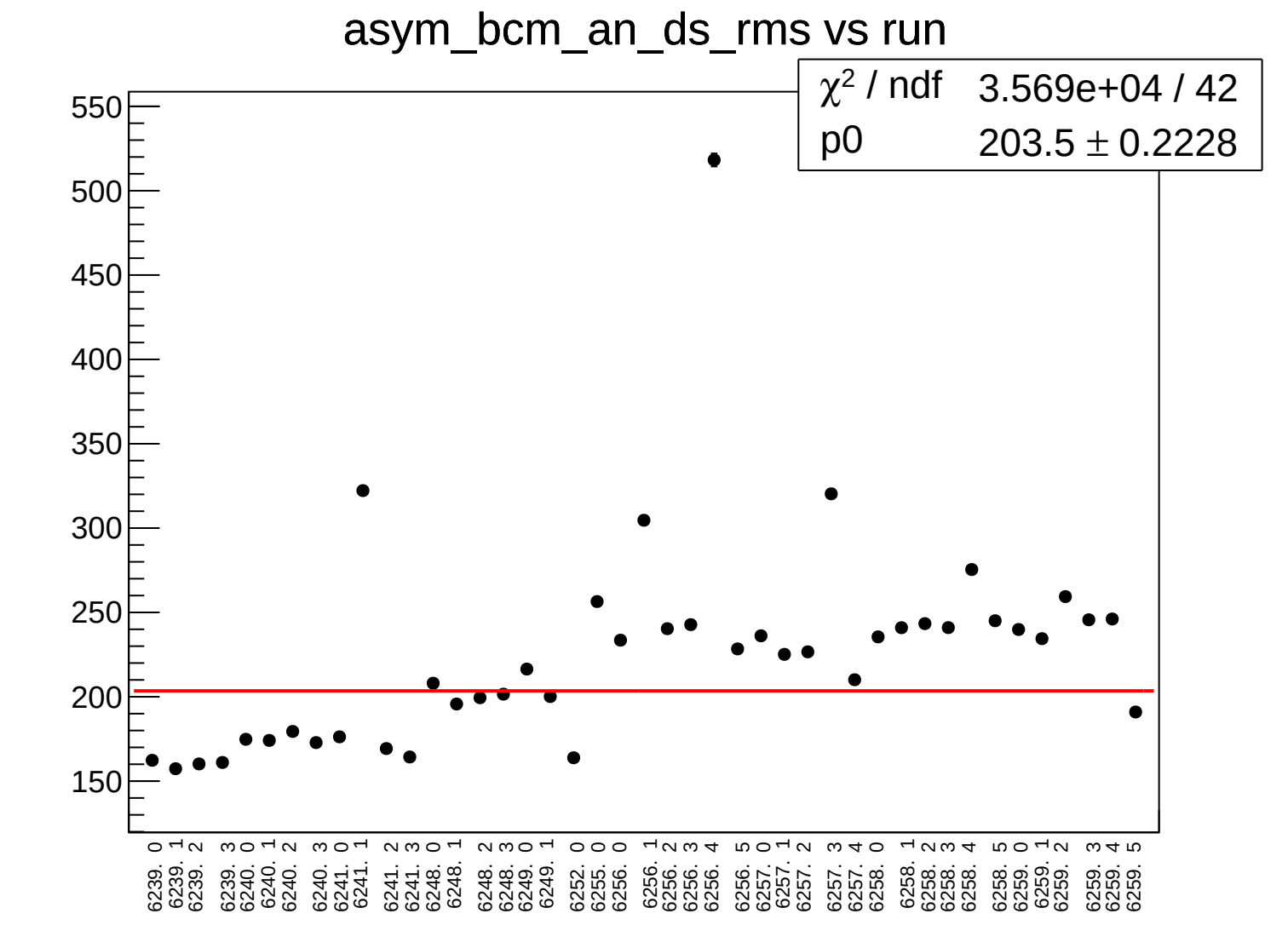

asym_bcm_an_diff_mean vs run
χ² / ndf 38.25 / 42
p0 −15.89 ± 22.4
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.565
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

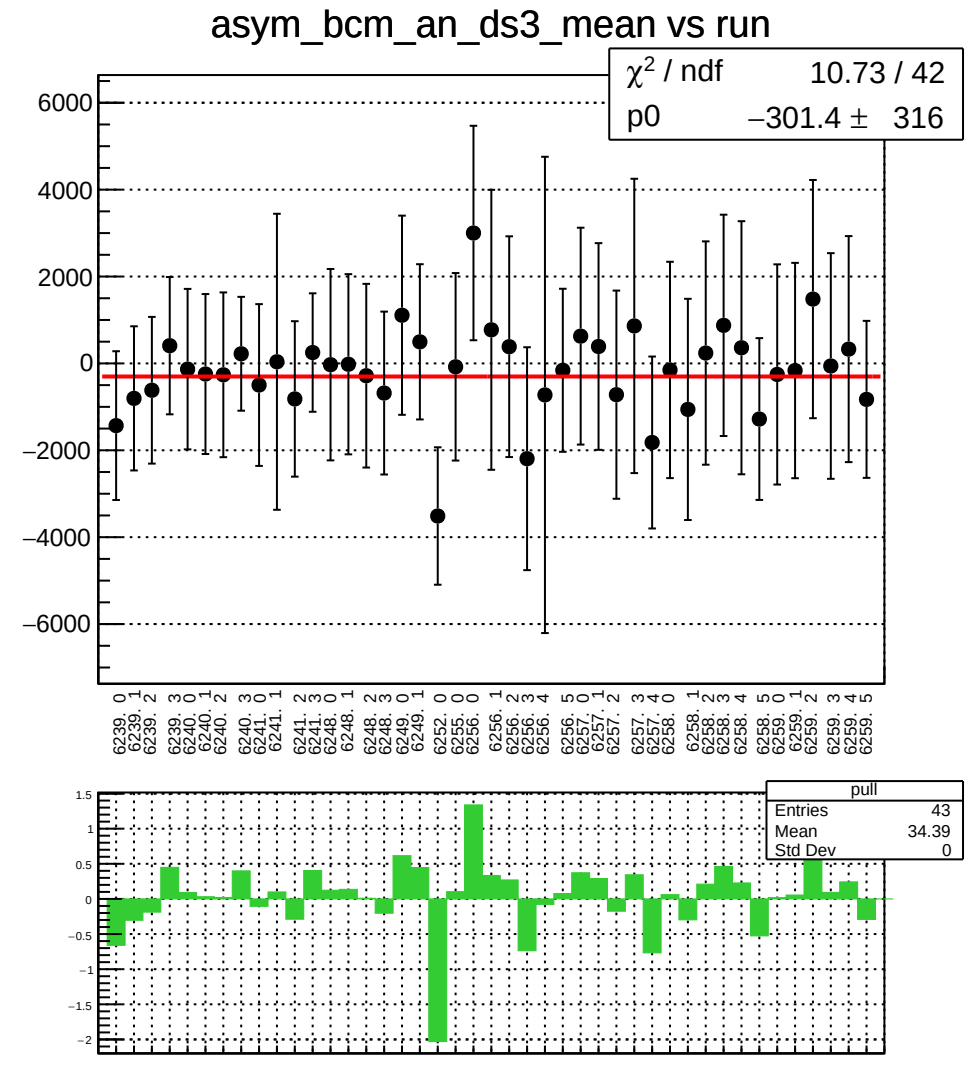

pull1D
Entries 43
Mean 0.07824
Std Dev 0.9399
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

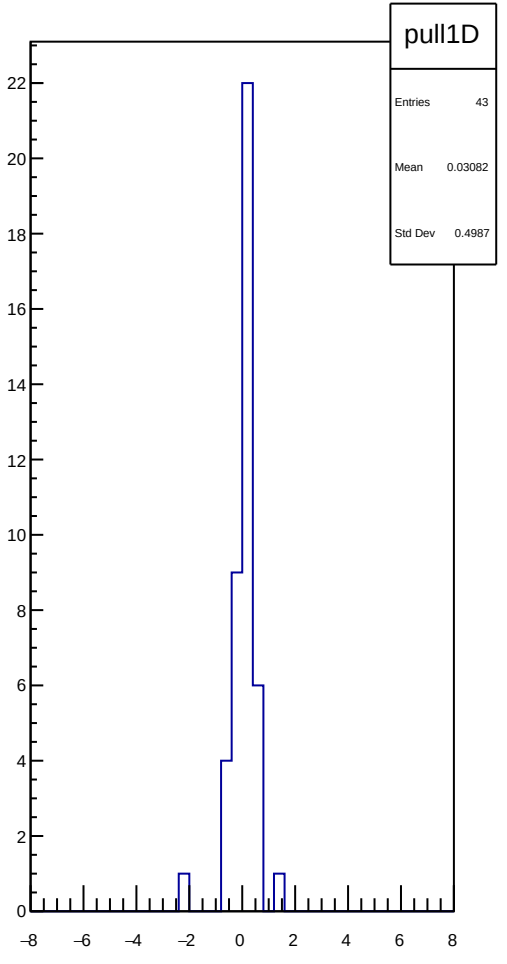

asym_bcm_an_diff_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 7.14e+04 / 42
p0 1.415e+04 ± 15.84
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

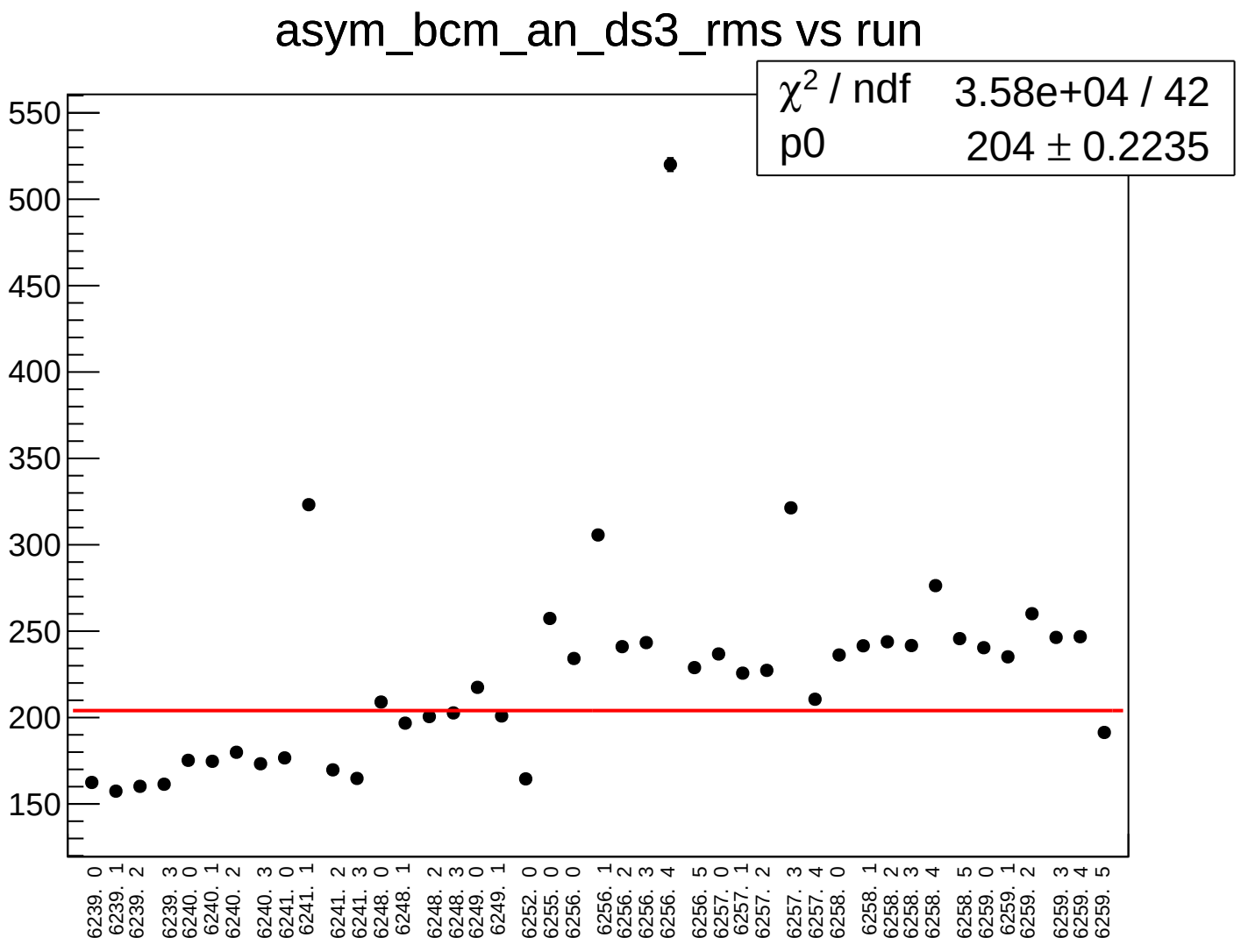

asym_bcm_an_ds_mean vs run
χ² / ndf 10.64 / 42
p0 −306.5 ± 315.1
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

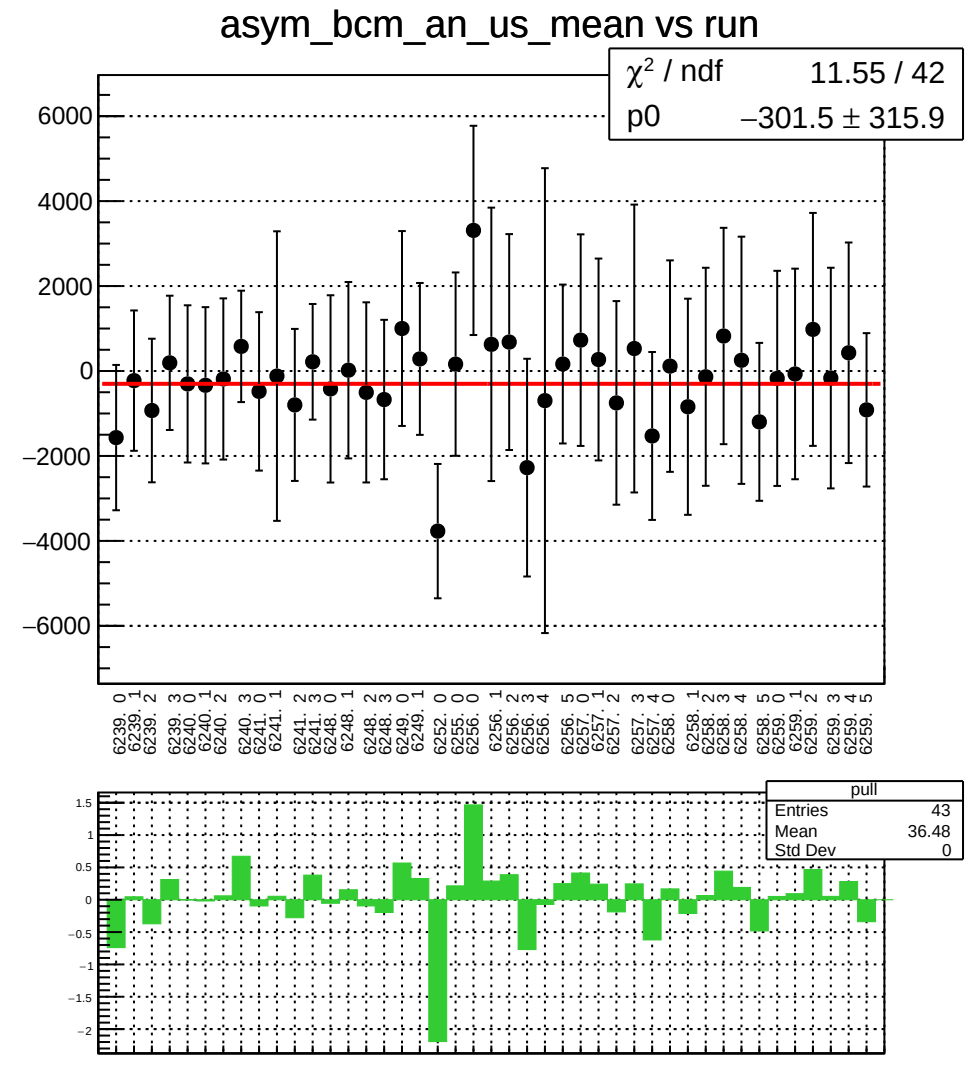

pull1D
Entries 43
Mean 0.02851
Std Dev 0.4967
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

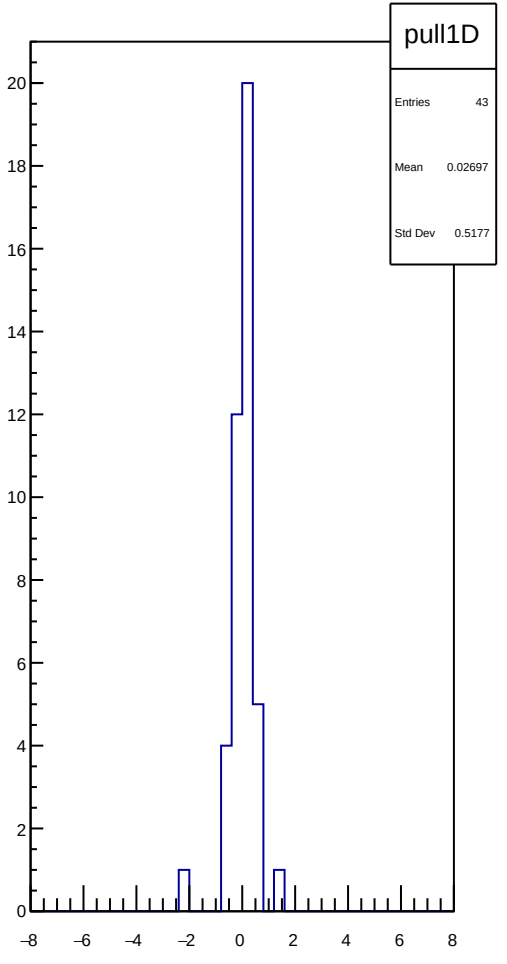

asym_bcm_an_ds_rms vs run
χ² / ndf 3.569e+04 / 42
p0 203.5 ± 0.2228
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

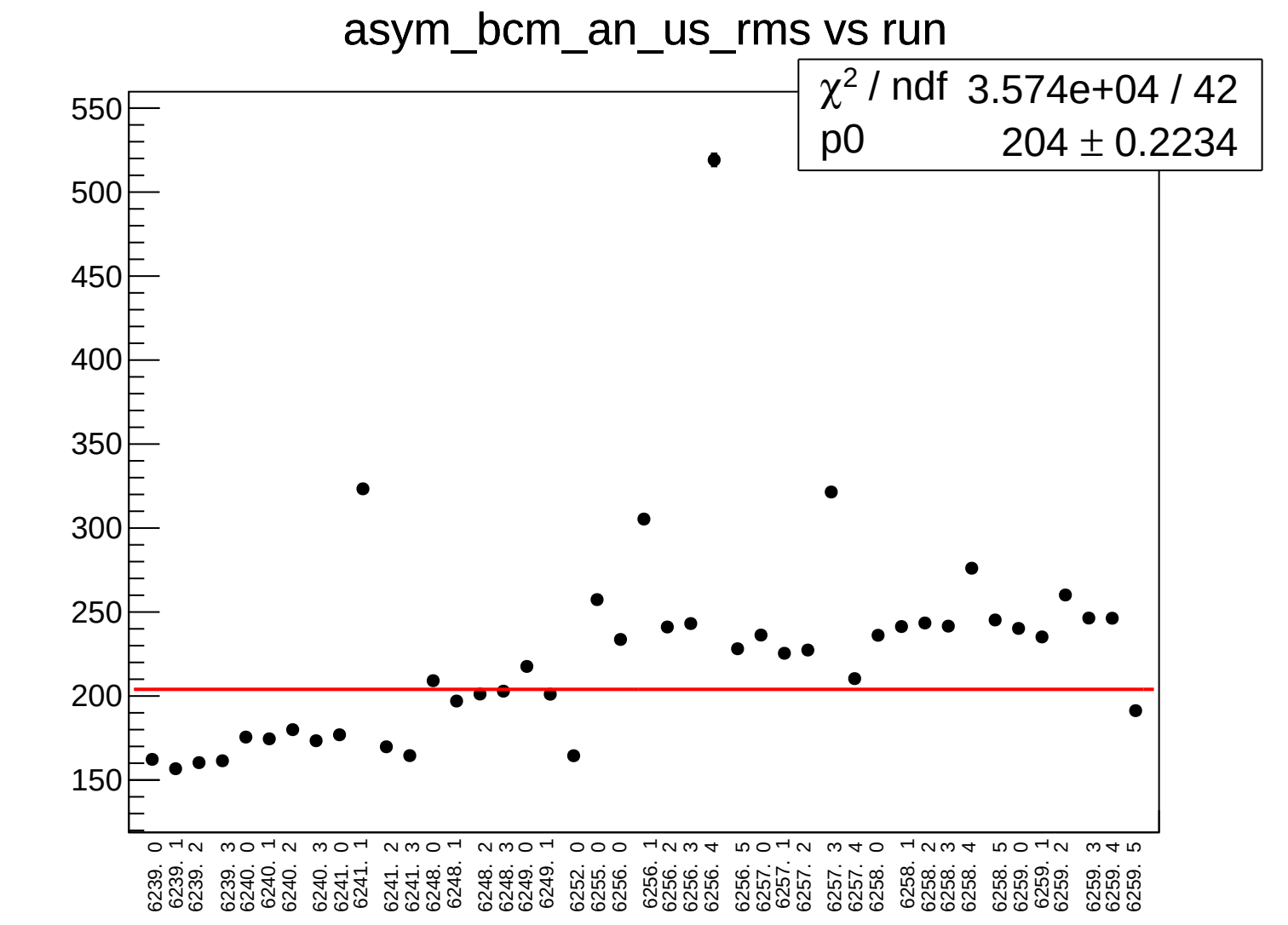

asym_bcm_an_ds3_mean vs run
χ² / ndf 10.73 / 42
p0 −301.4 ± 316
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

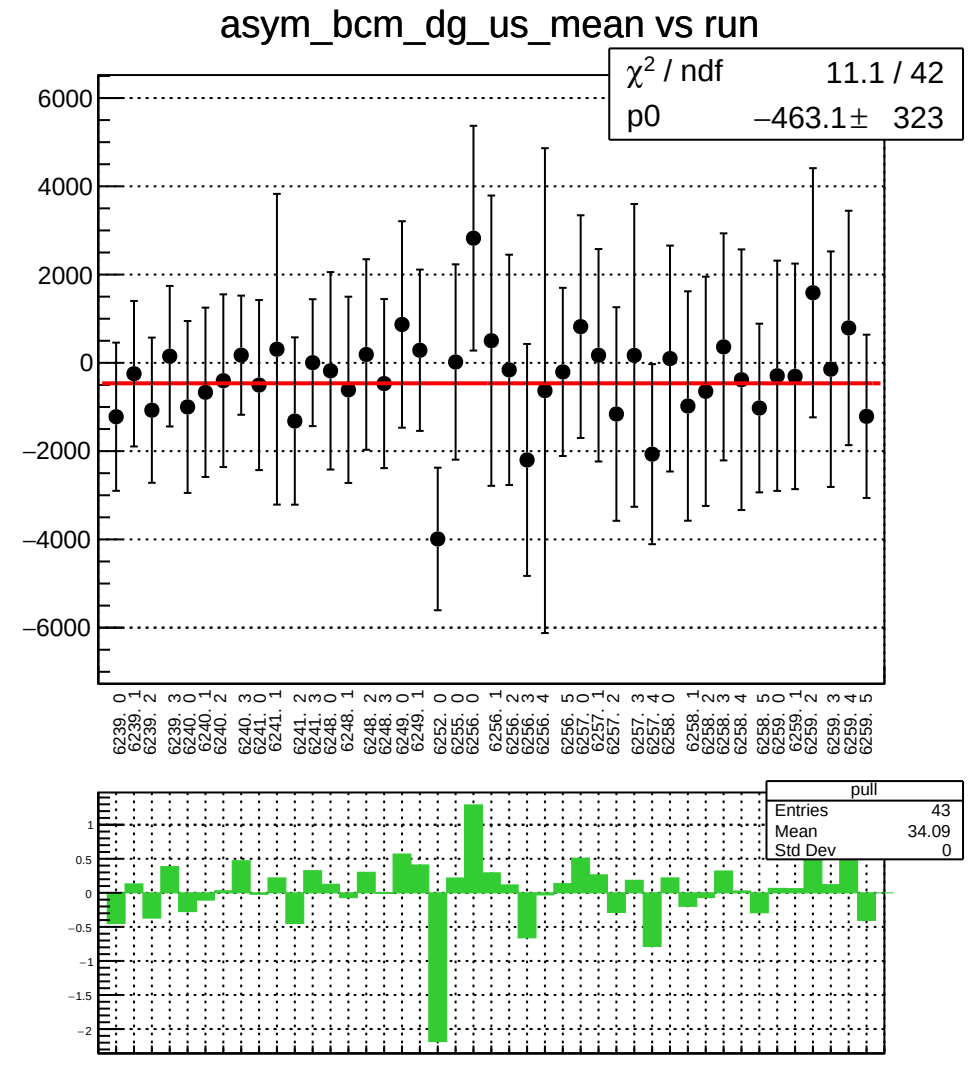

pull1D
Entries 43
Mean 0.03082
Std Dev 0.4987
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

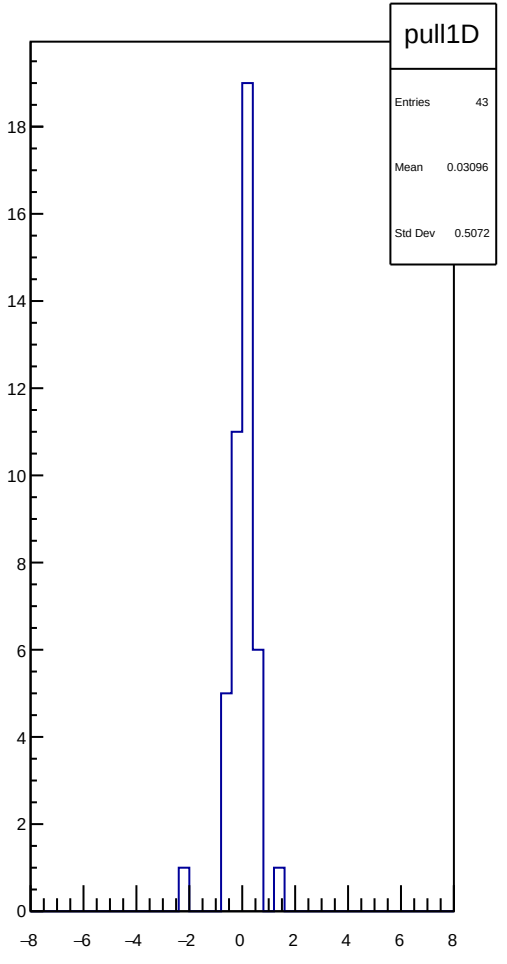

asym_bcm_an_ds3_rms vs run
$\chi^2$ / ndf 3.58e+04 / 42
p0 204 ± 0.2235
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

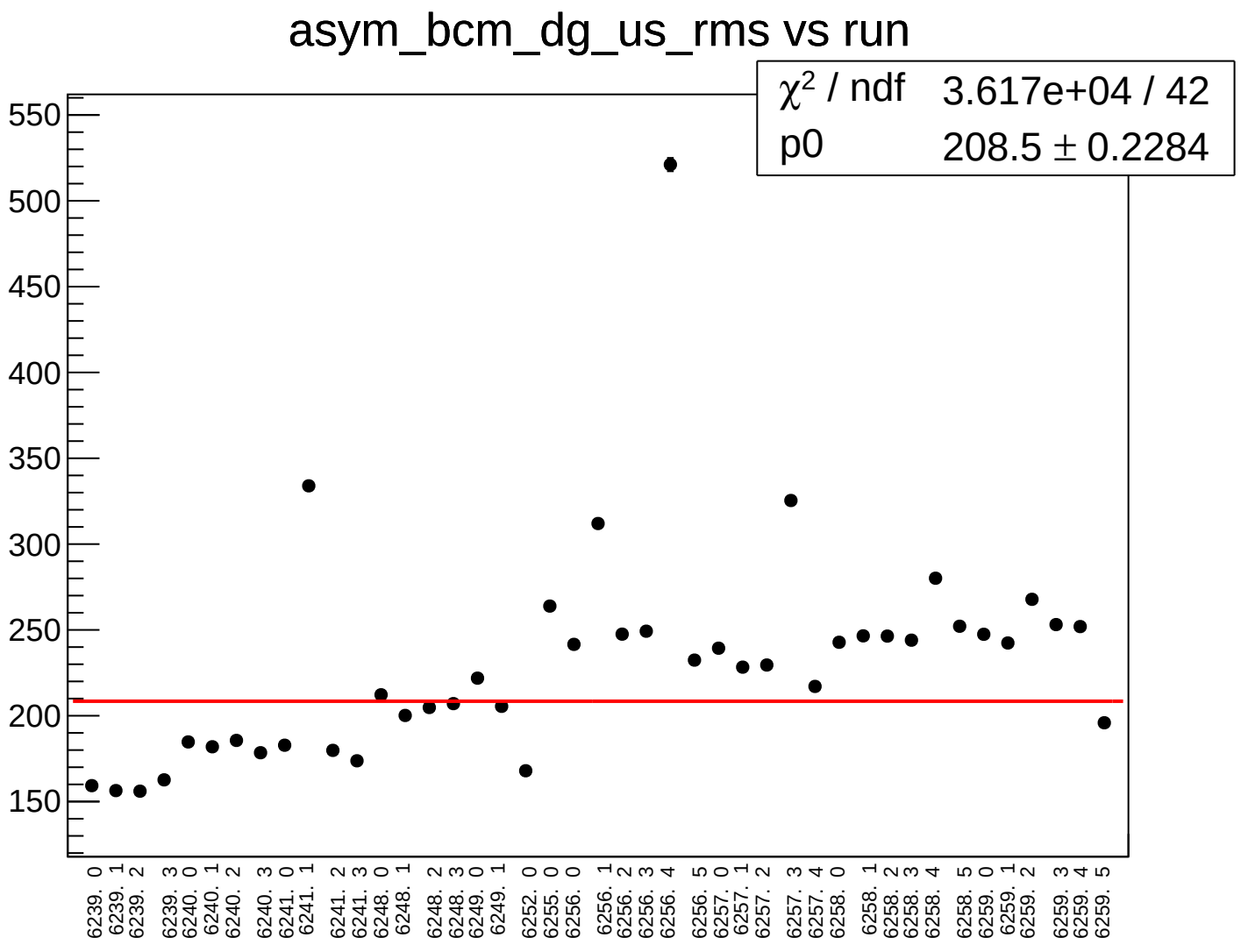

asym_bcm_an_us_mean vs run
χ² / ndf 11.55 / 42
p0 −301.5 ± 315.9
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

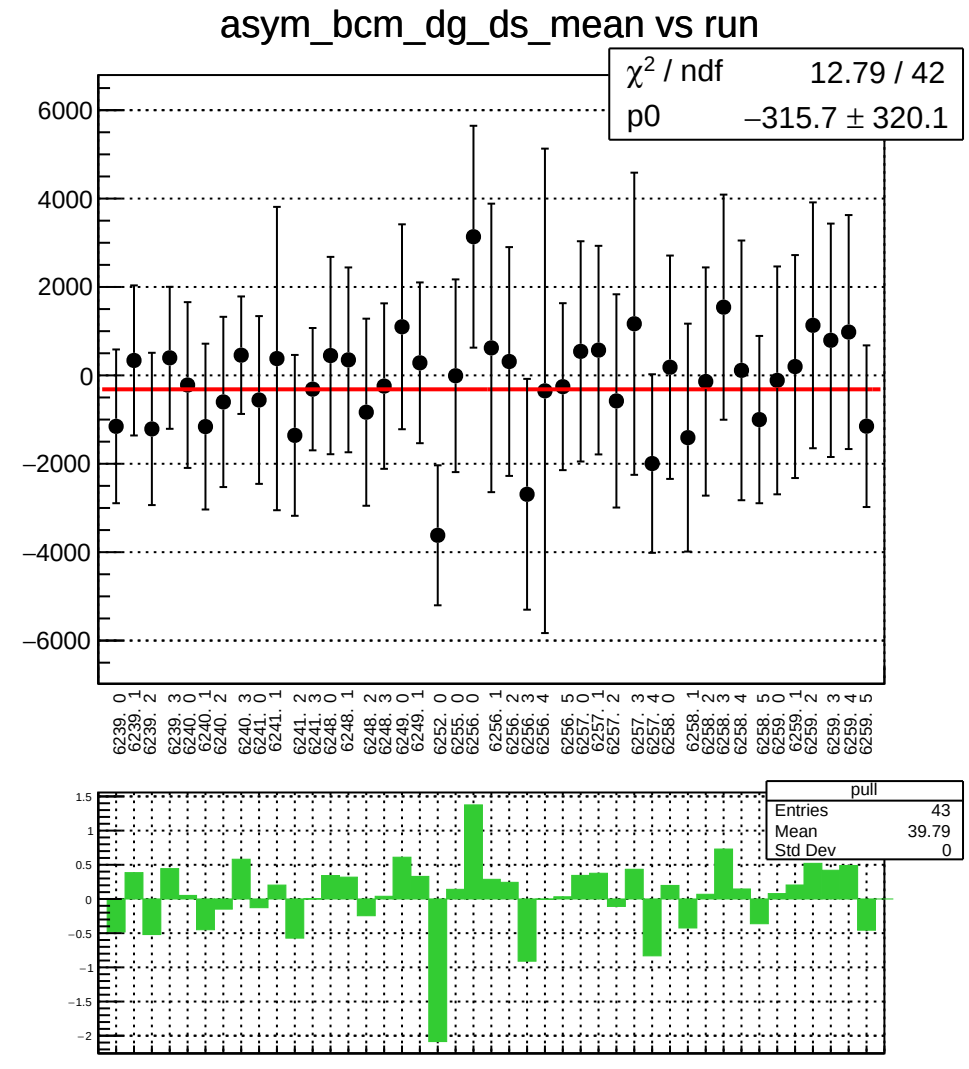

pull1D
Entries 43
Mean 0.02697
Std Dev 0.5177
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

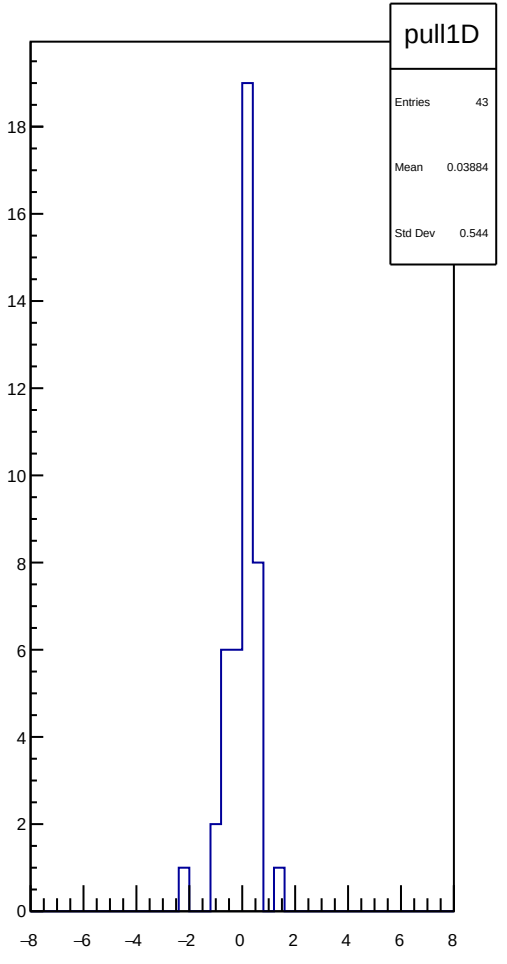

asym_bcm_an_us_rms vs run
$\chi^2$ / ndf 3.574e+04 / 42
p0 204 ± 0.2234
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

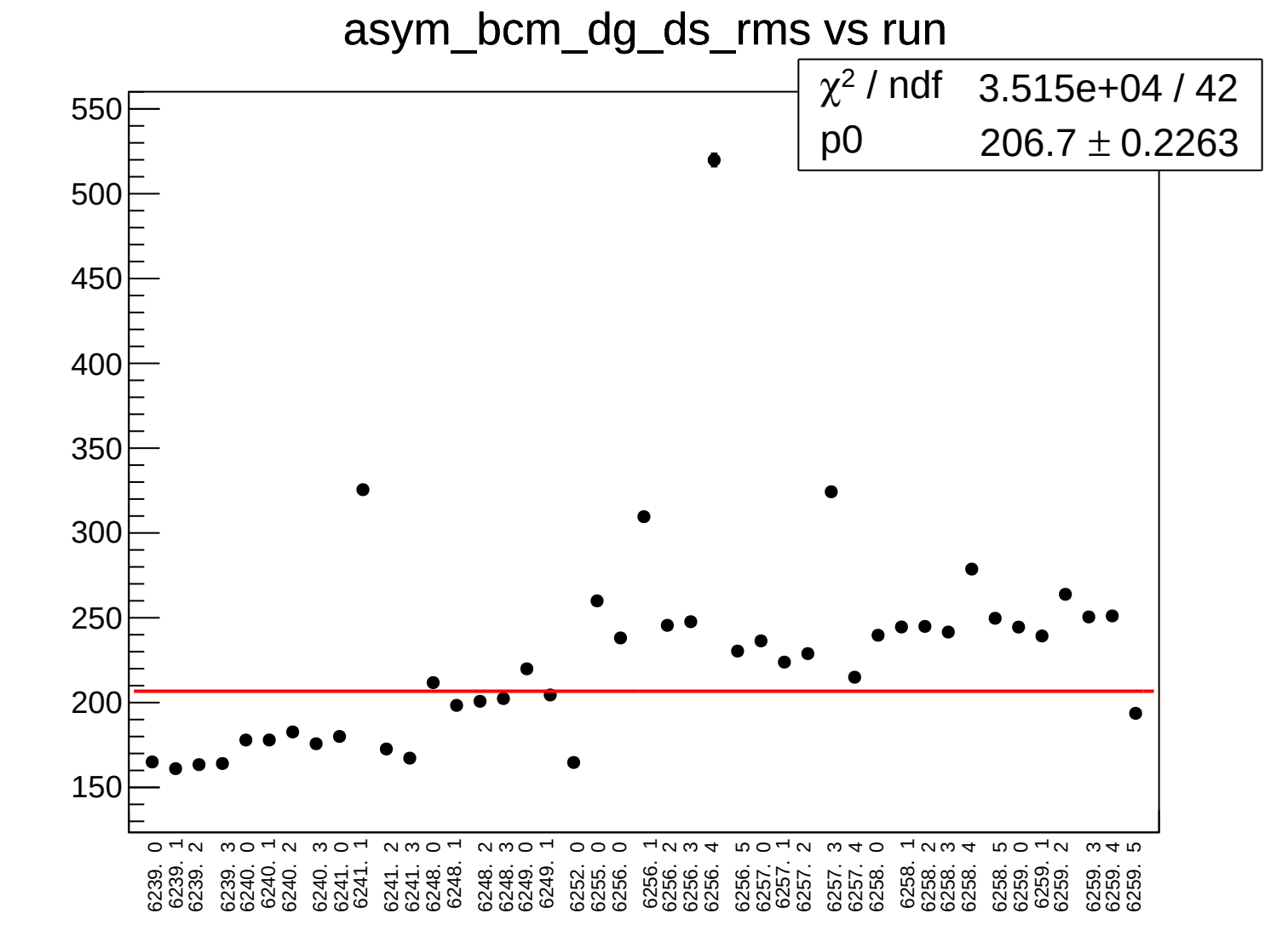

asym_bcm_dg_us_mean vs run
χ² / ndf 11.1 / 42
p0 −463.1± 323
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.09
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

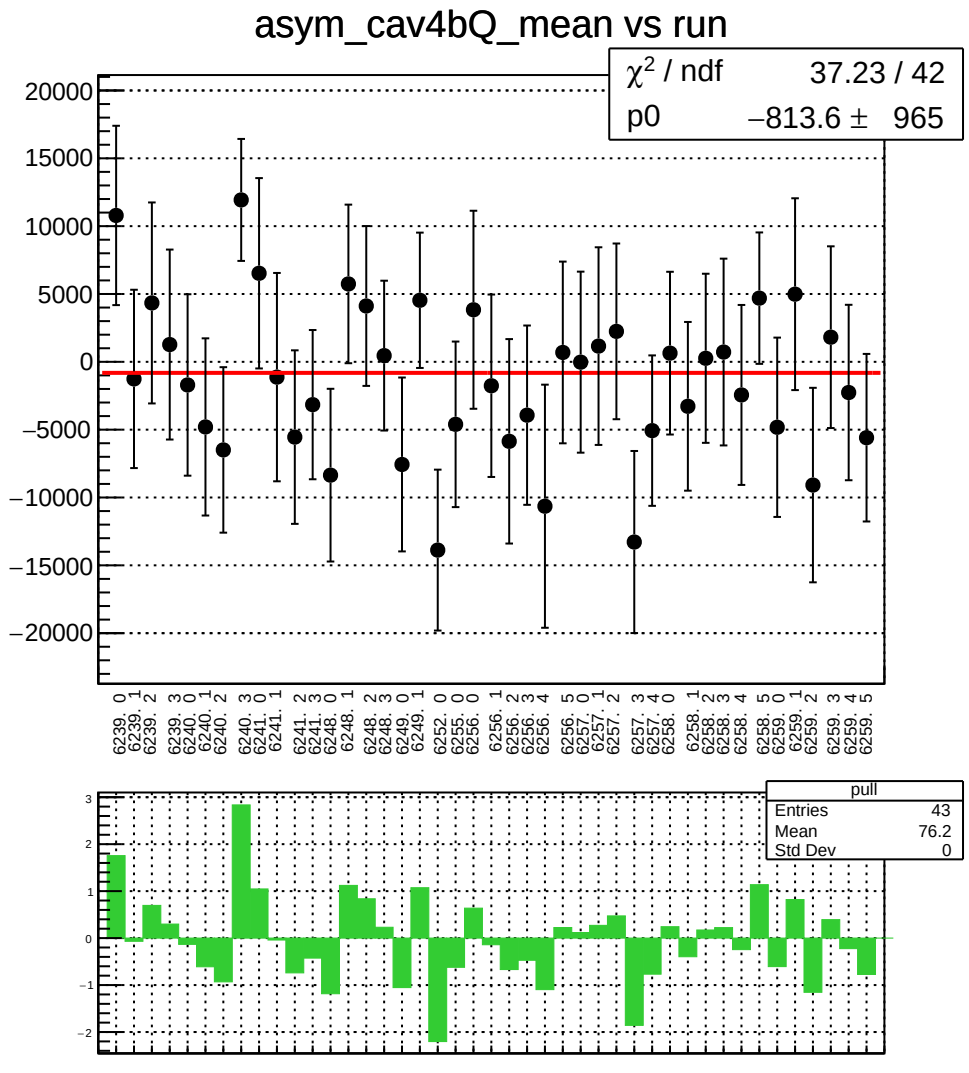

pull1D
Entries 43
Mean 0.03096
Std Dev 0.5072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

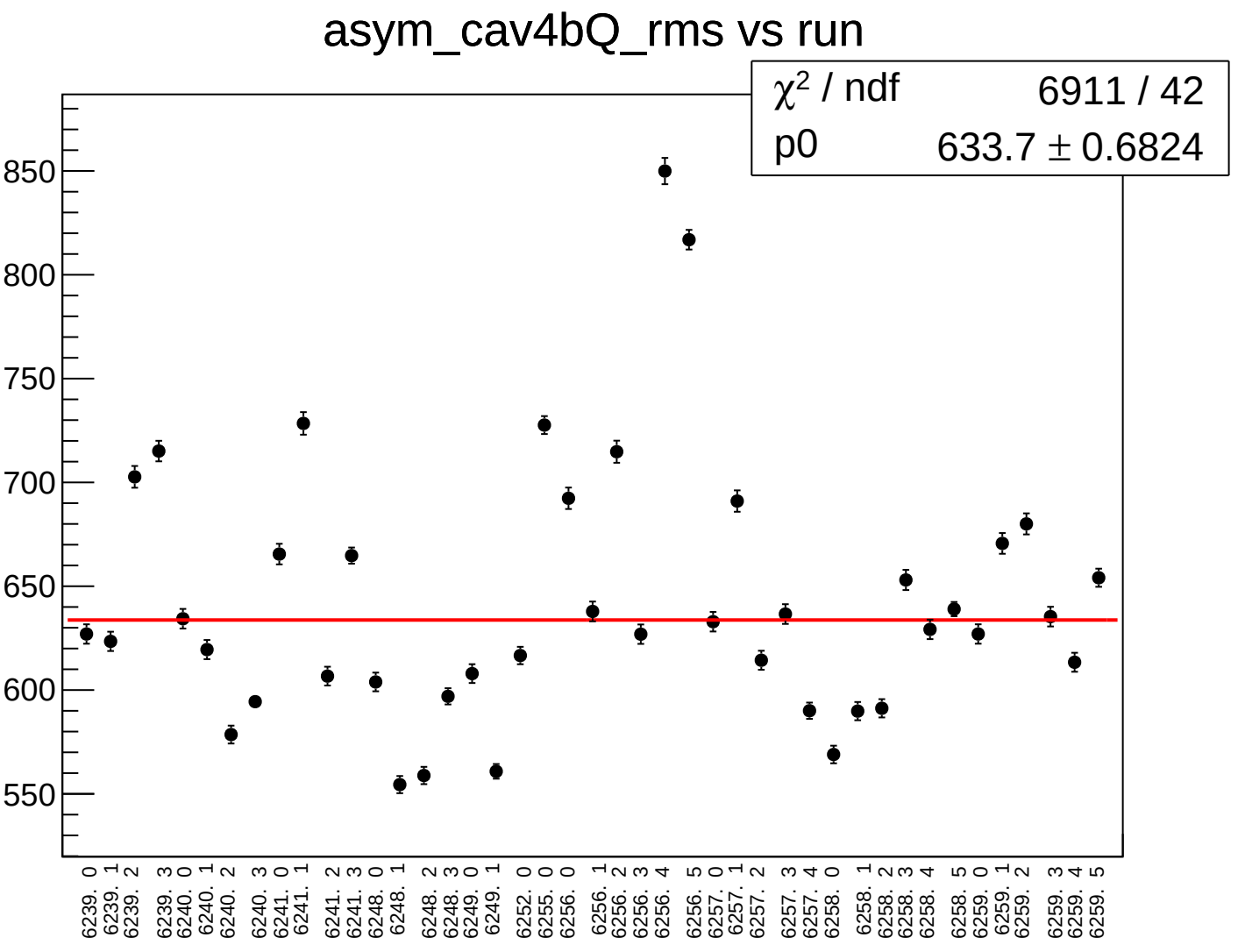

asym_bcm_dg_us_rms vs run
χ² / ndf 3.617e+04 / 42
p0 208.5 ± 0.2284
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

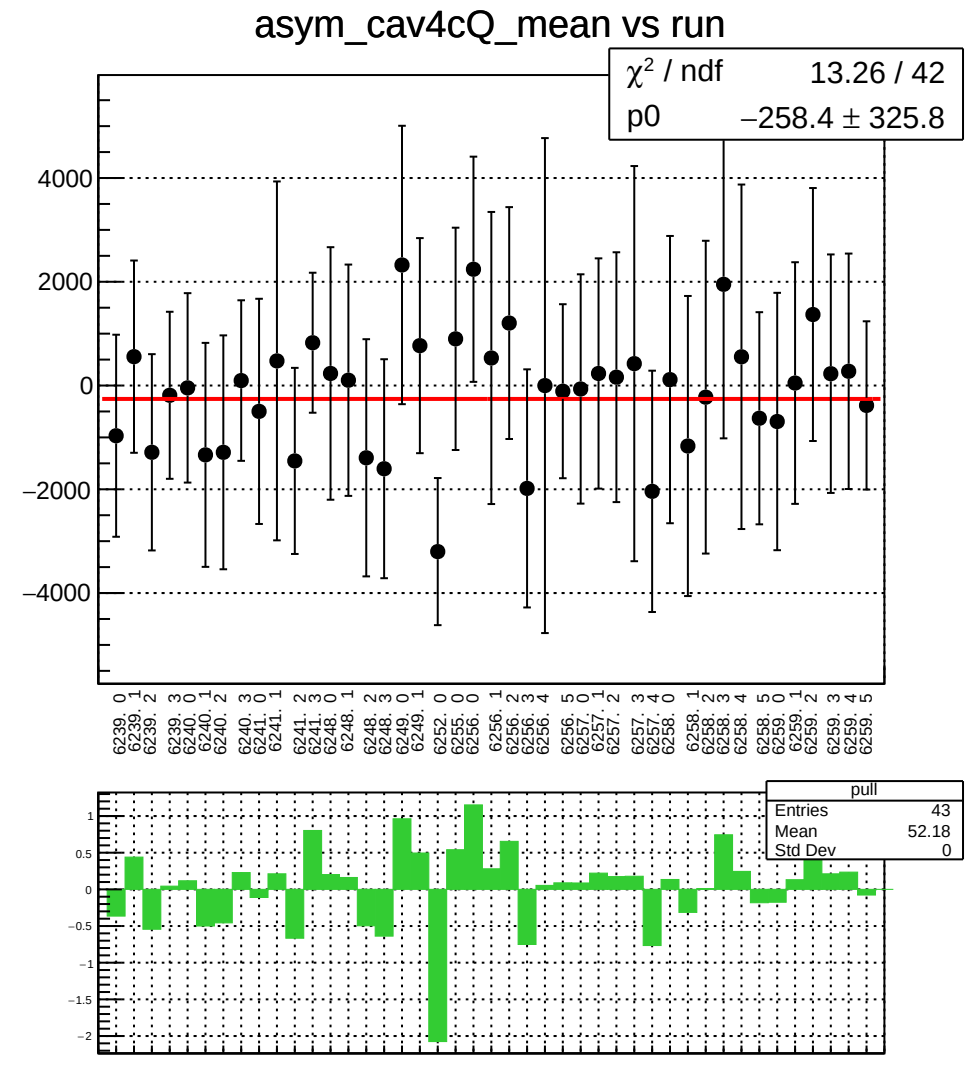

asym_bcm_dg_ds_mean vs run
χ² / ndf 12.79 / 42
p0 −315.7 ± 320.1
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

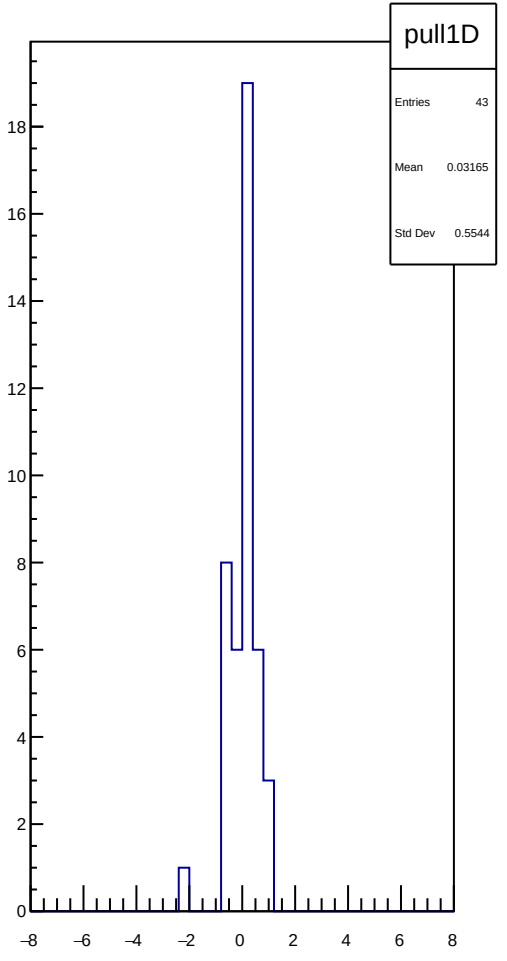

pull1D
Entries 43
Mean 0.03884
Std Dev 0.544
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

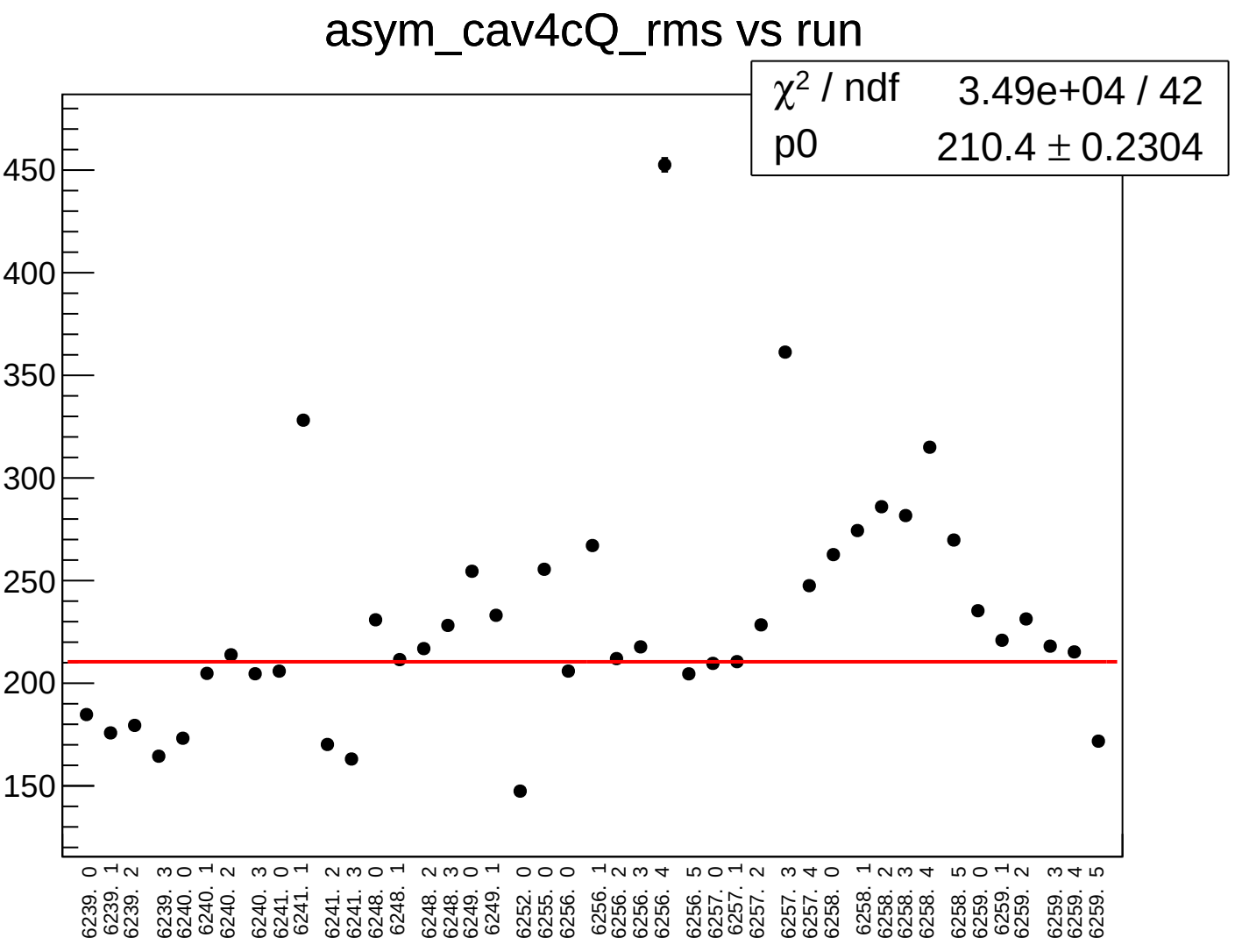

asym_bcm_dg_ds_rms vs run
χ² / ndf 3.515e+04 / 42
p0 206.7 ± 0.2263
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

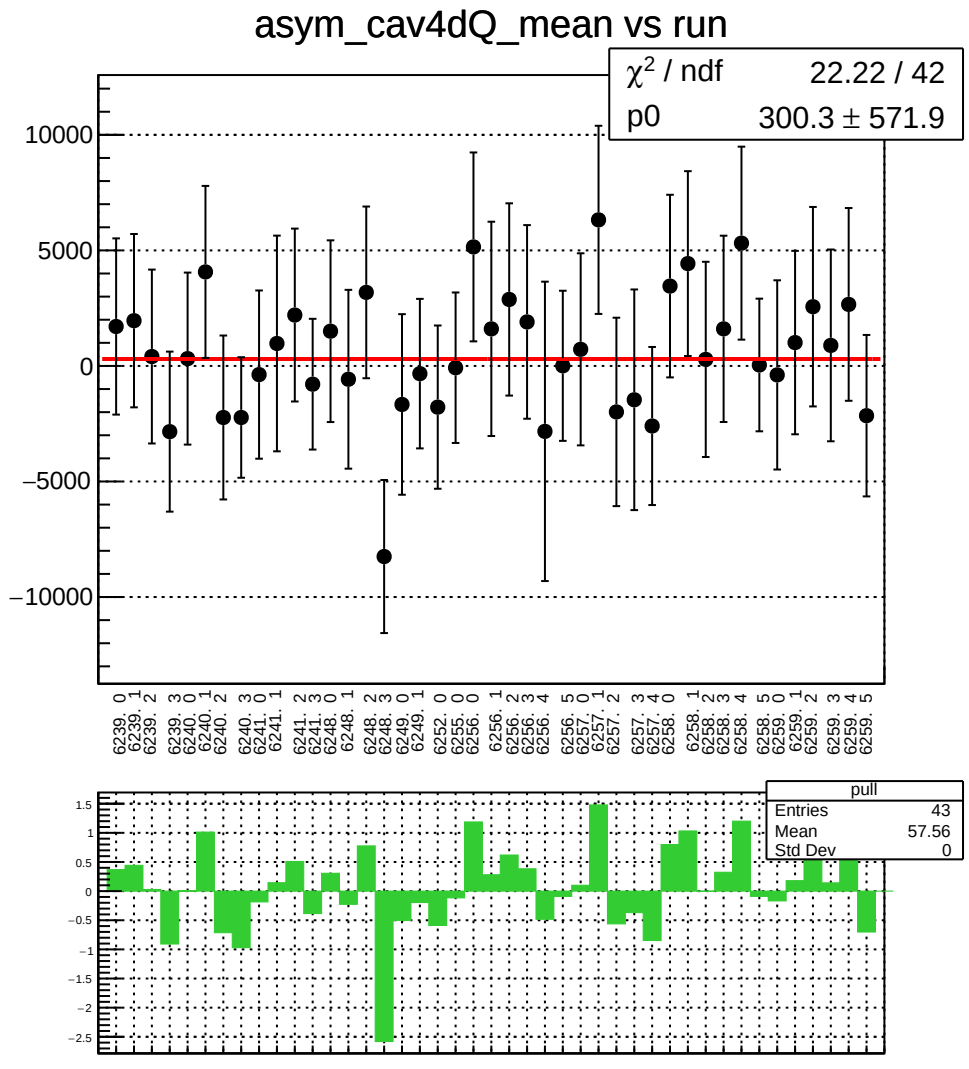

asym_cav4bQ_mean vs run
χ² / ndf 37.23 / 42
p0 −813.6 ± 965
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04221
Std Dev 0.9295
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

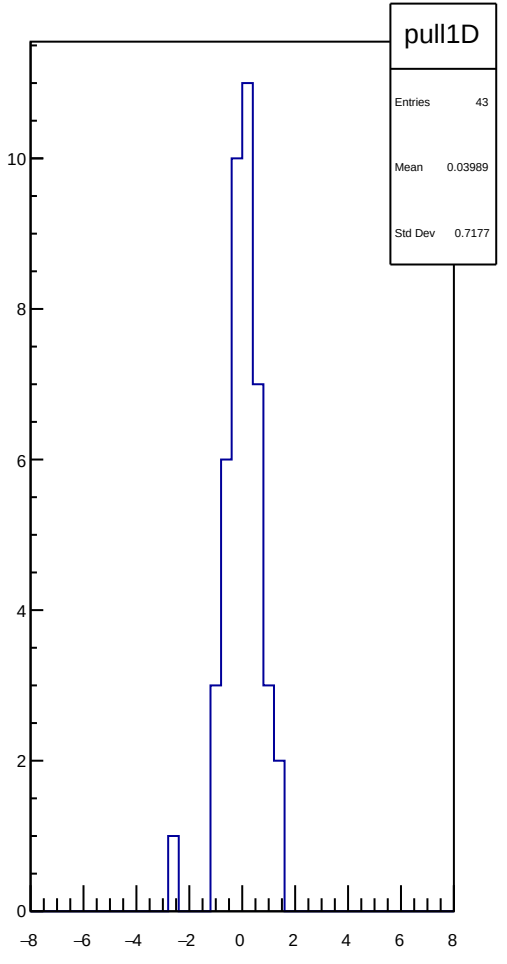

asym_cav4bQ_rms vs run
$\chi^2$ / ndf 6911 / 42
p0 633.7 ± 0.6824
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

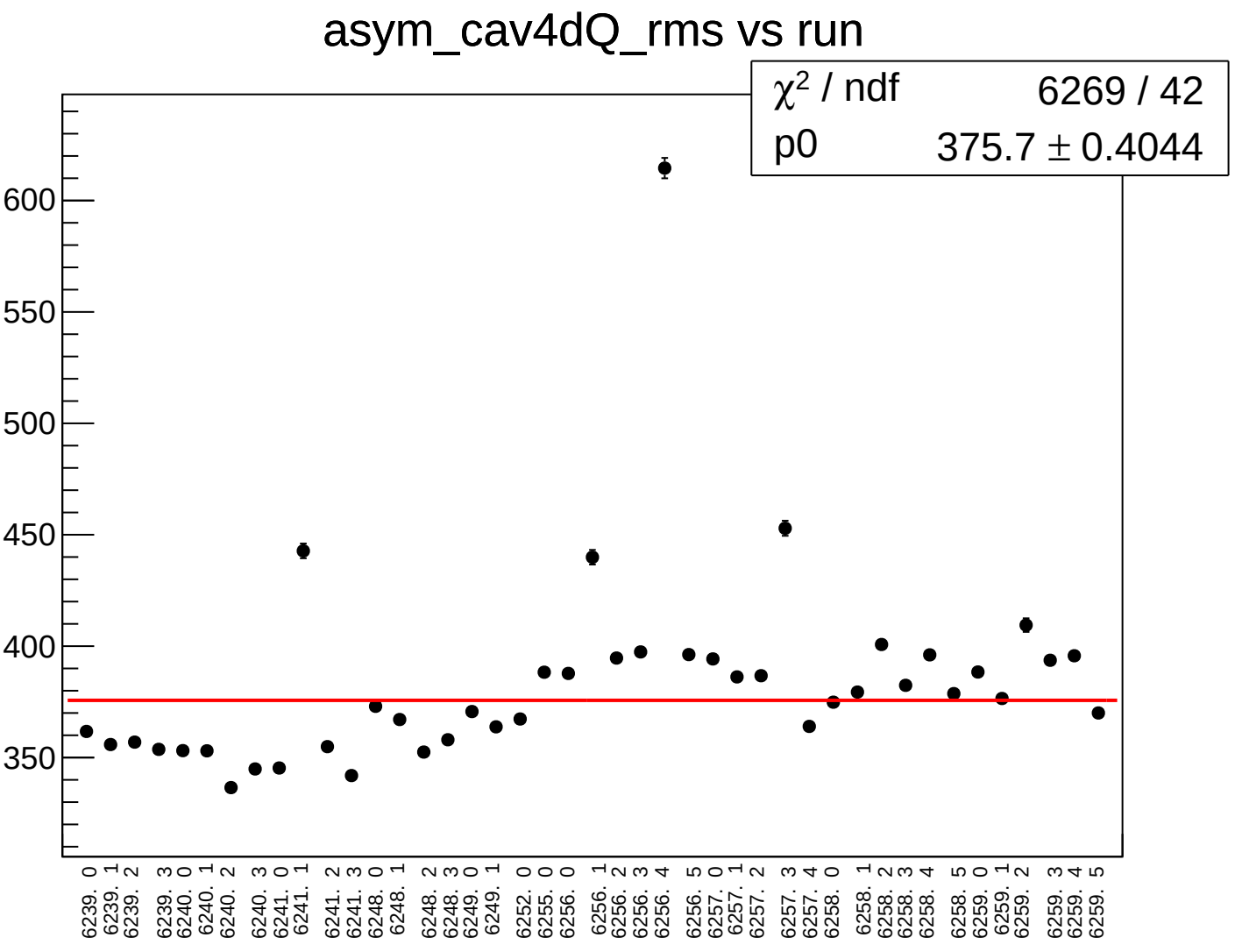

asym_cav4cQ_mean vs run
χ² / ndf 13.26 / 42
p0 −258.4 ± 325.8
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.18
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

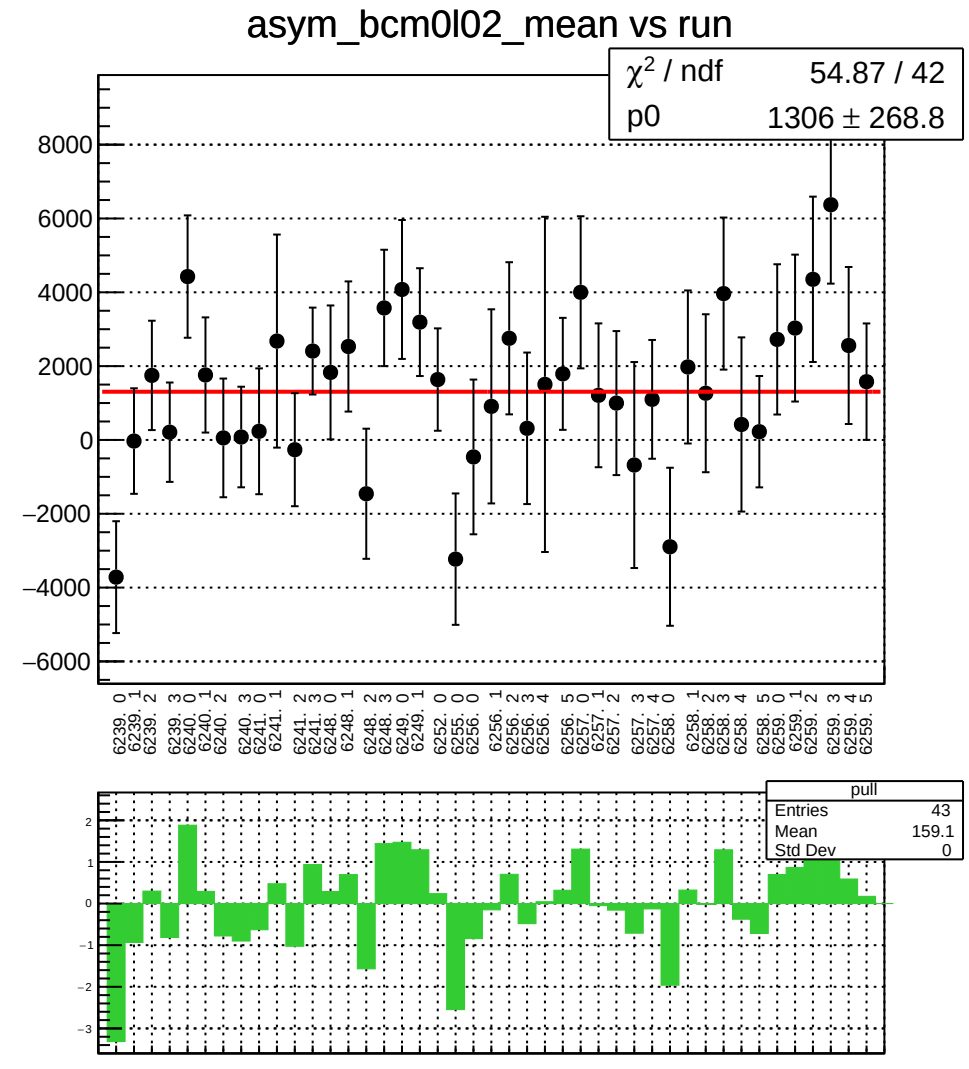

pull1D
Entries 43
Mean 0.03165
Std Dev 0.5544
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

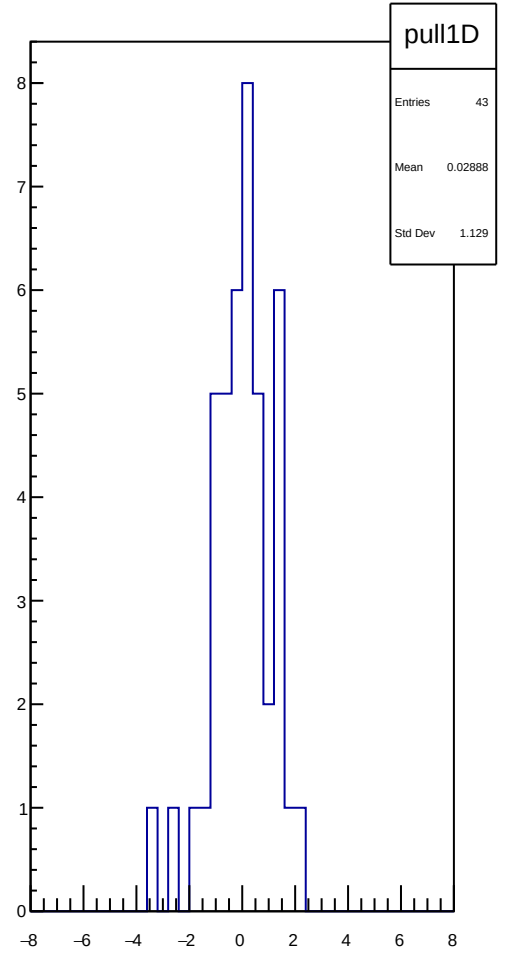

asym_cav4cQ_rms vs run
$\chi^2$ / ndf 3.49e+04 / 42
p0 210.4 ± 0.2304
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

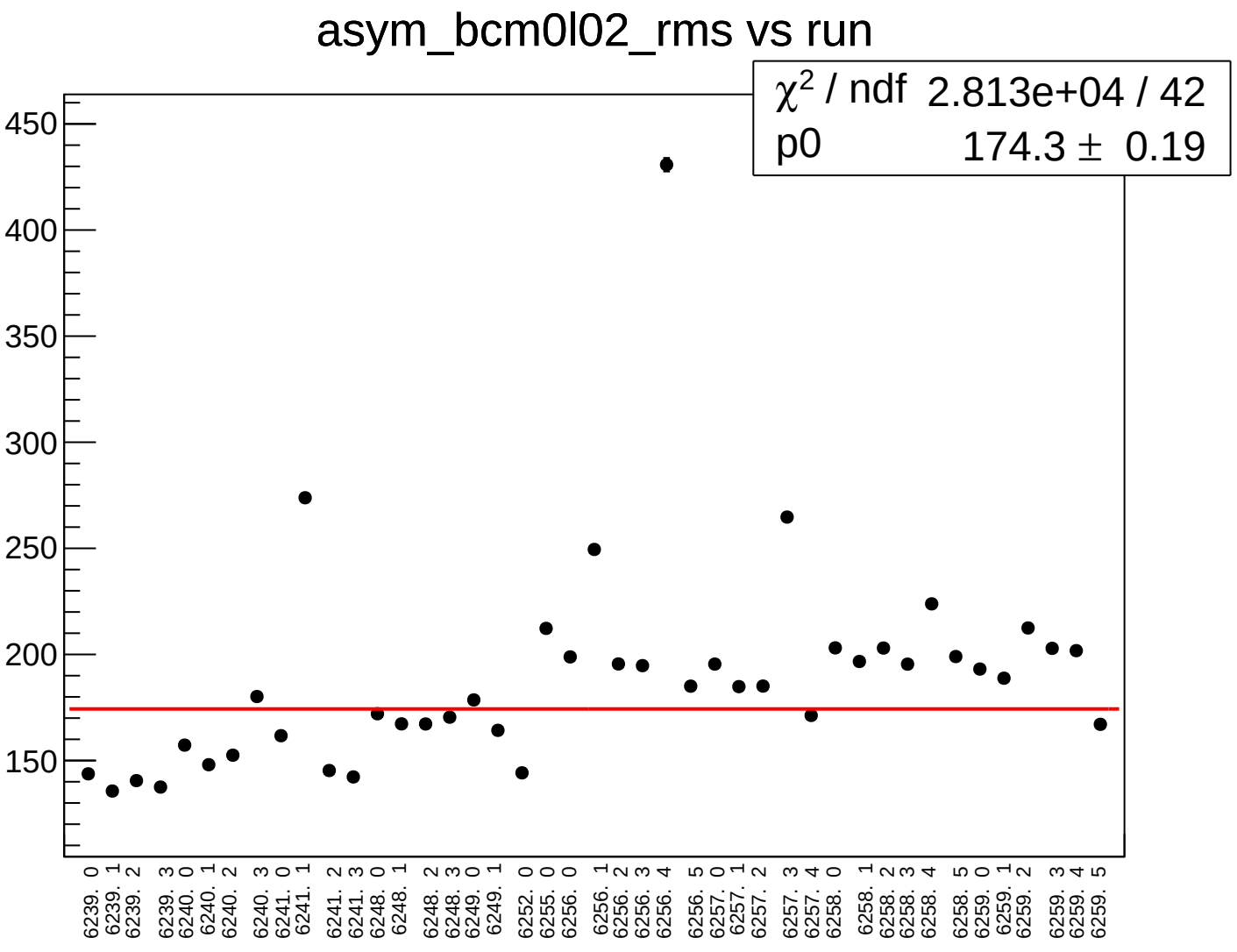

asym_cav4dQ_mean vs run
χ² / ndf 22.22 / 42
p0 300.3 ± 571.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 57.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

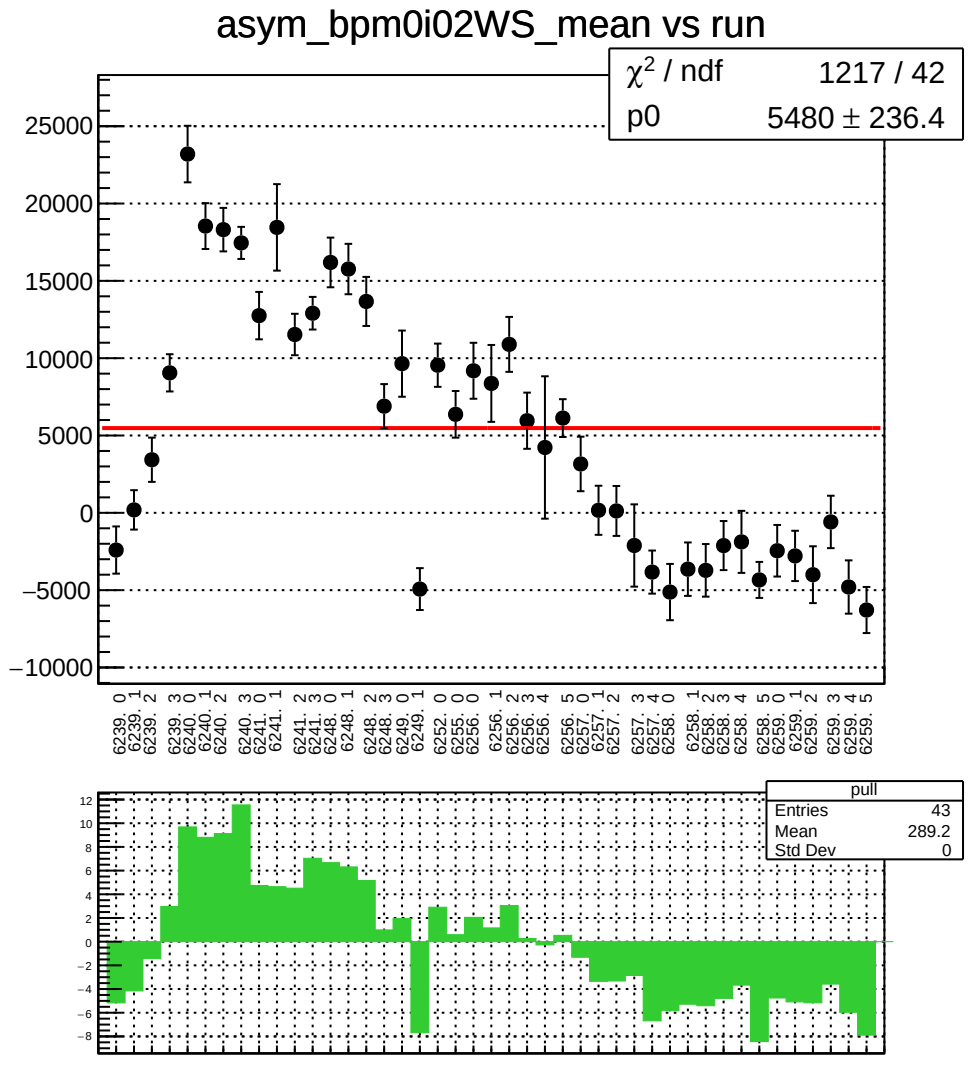

pull1D
Entries 43
Mean 0.03989
Std Dev 0.7177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

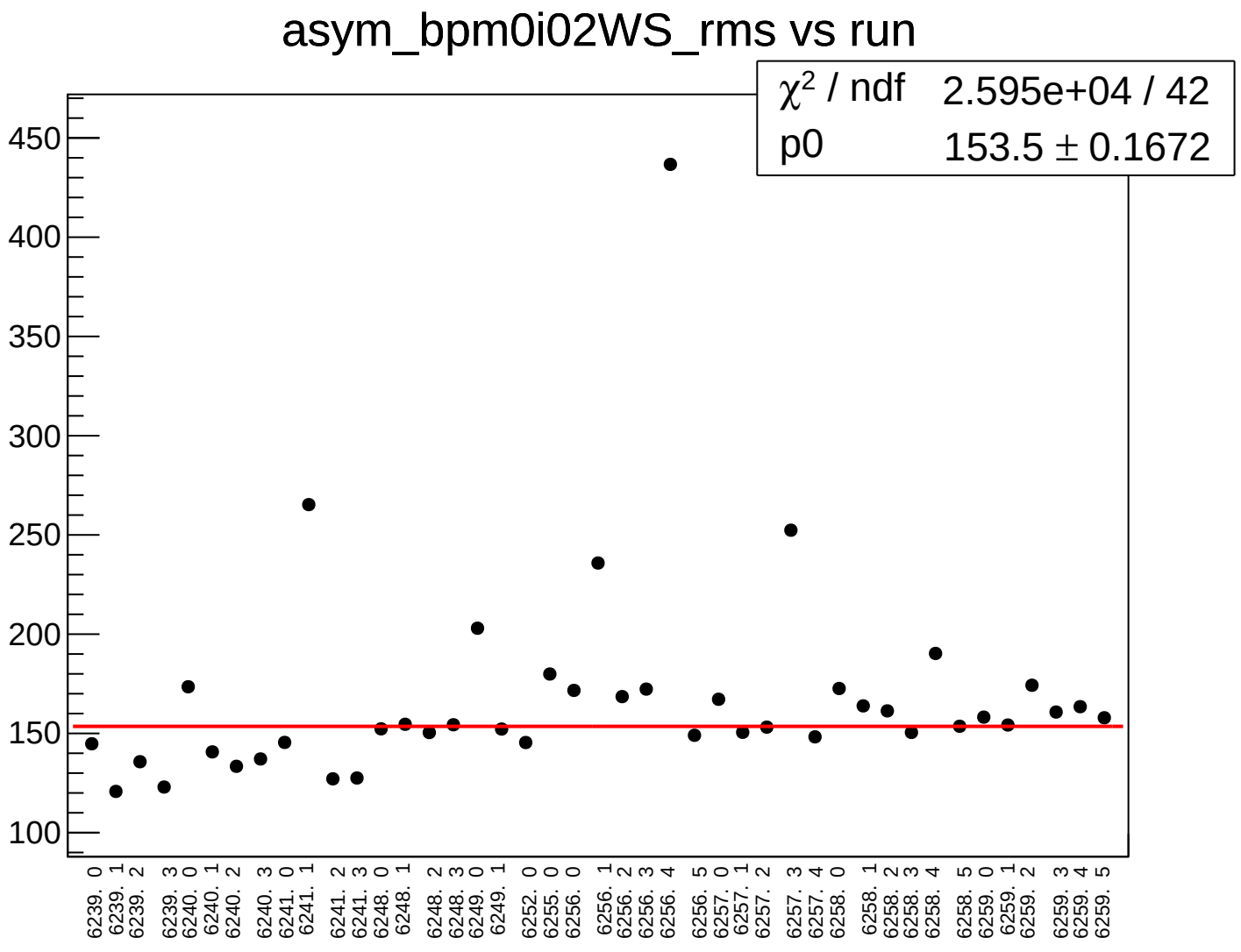

asym_cav4dQ_rms vs run
χ² / ndf 6269 / 42
p0 375.7 ± 0.4044
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

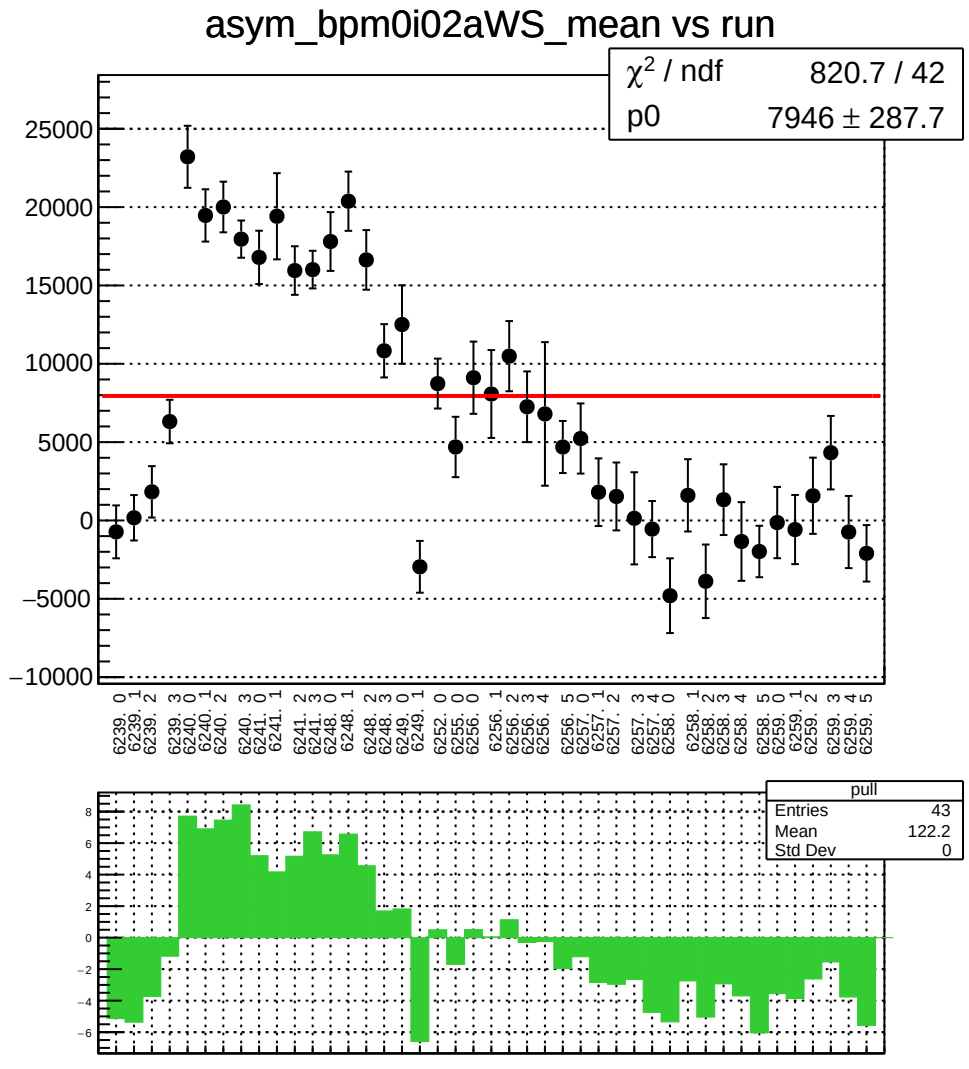

asym_bcm0l02_mean vs run
χ² / ndf 54.87 / 42
p0 1306 ± 268.8
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 159.1
Std Dev 0
2
1
0
−1
−2
−3

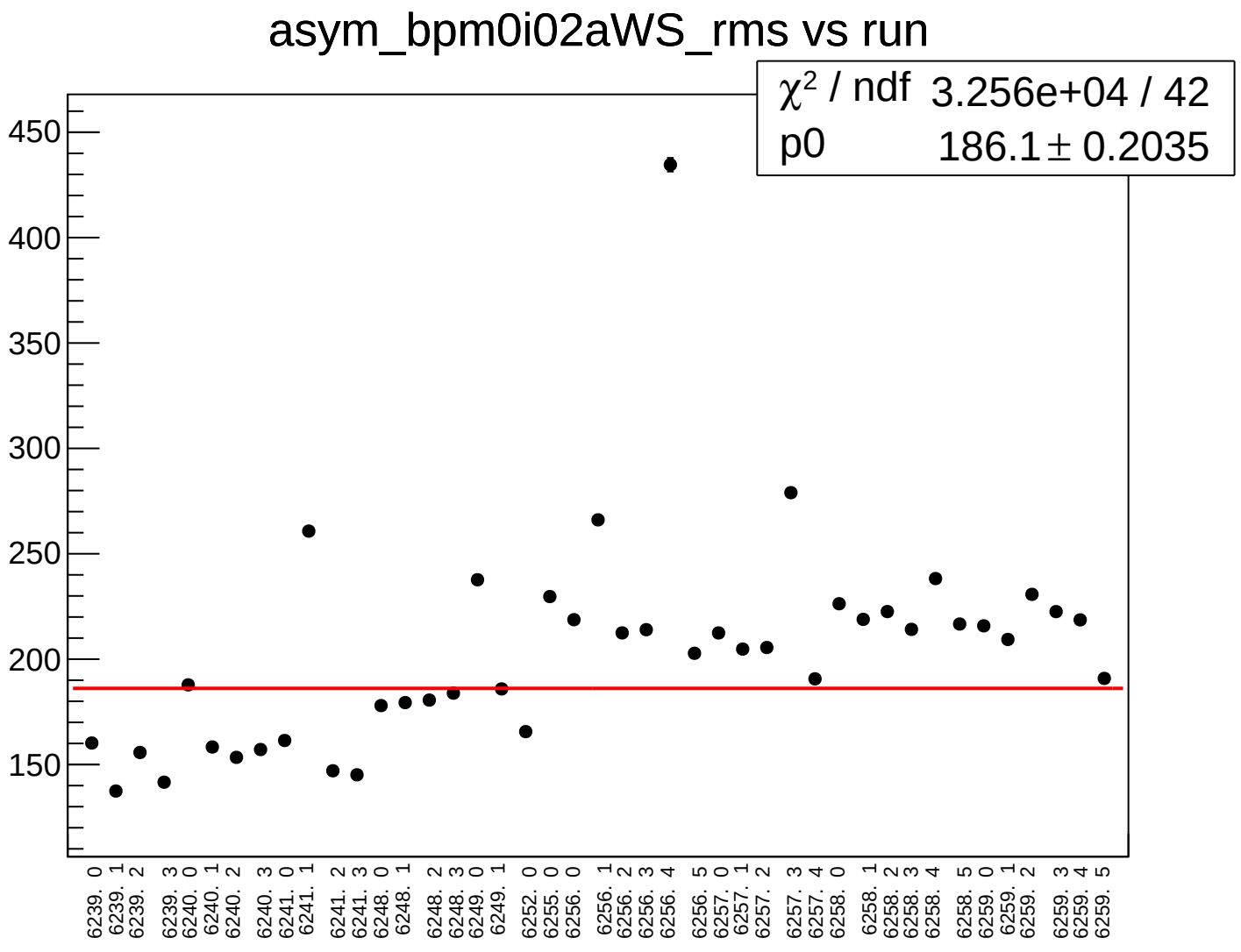

pull1D
Entries 43
Mean 0.02888
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

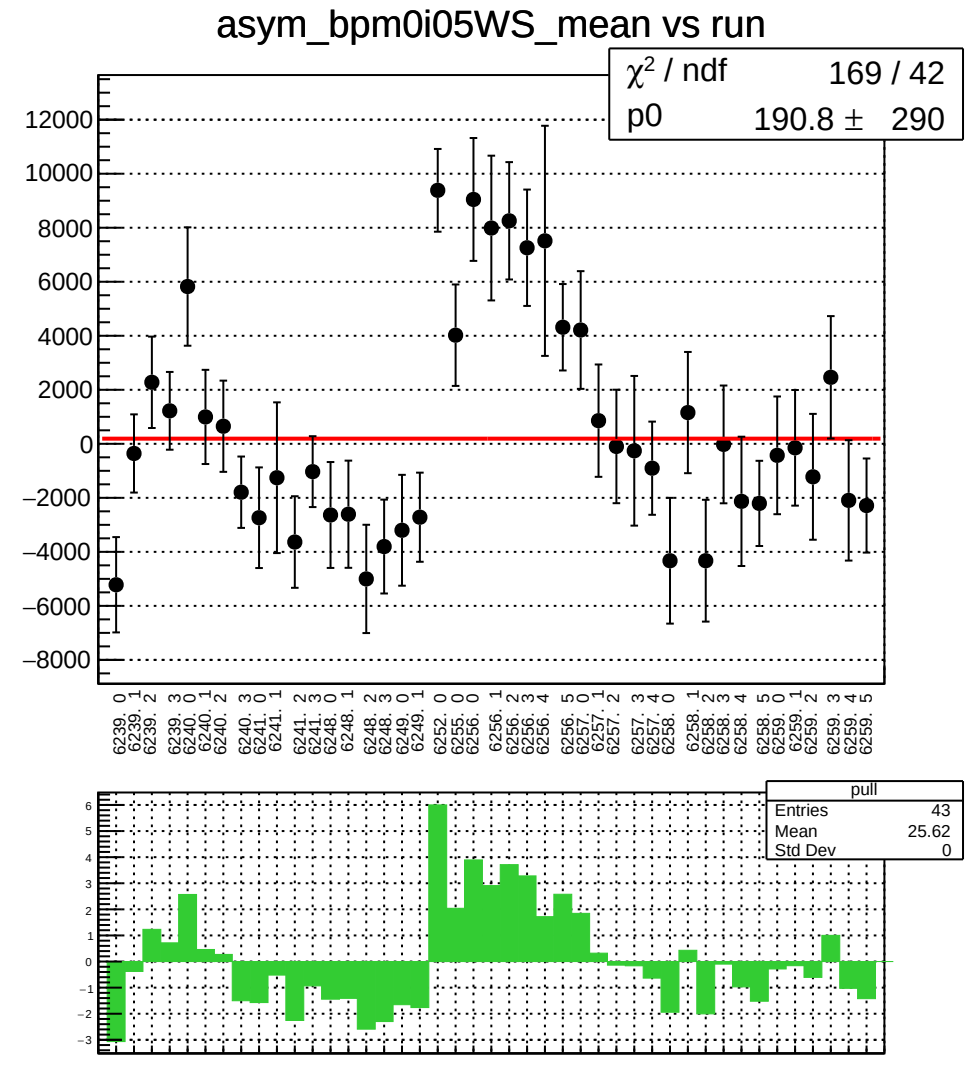

asym_bcm0l02_rms vs run
χ² / ndf 2.813e+04 / 42
p0 174.3 ± 0.19
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

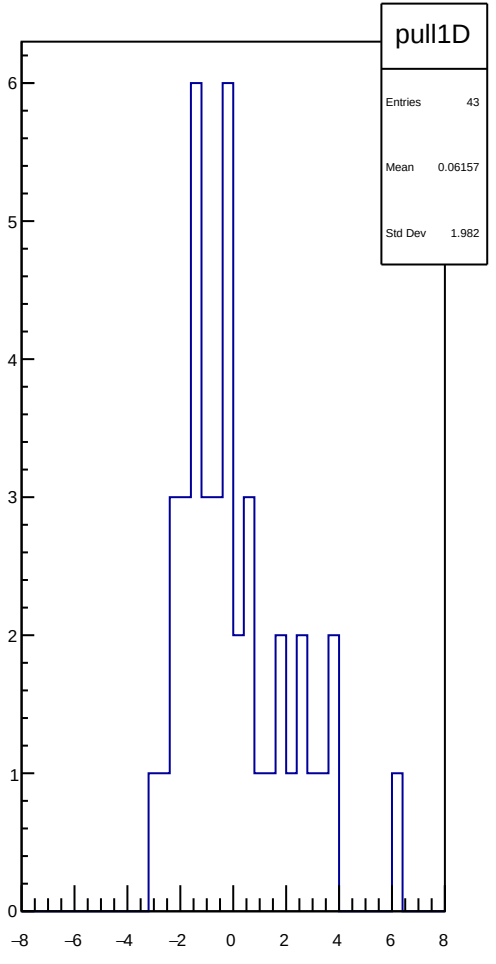

asym_bpm0i02WS_mean vs run
χ² / ndf 1217 / 42
p0 5480 ± 236.4
25000
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 289.2
Std Dev 0
12
10
8
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 43
Mean −1.003
Std Dev 4.352
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

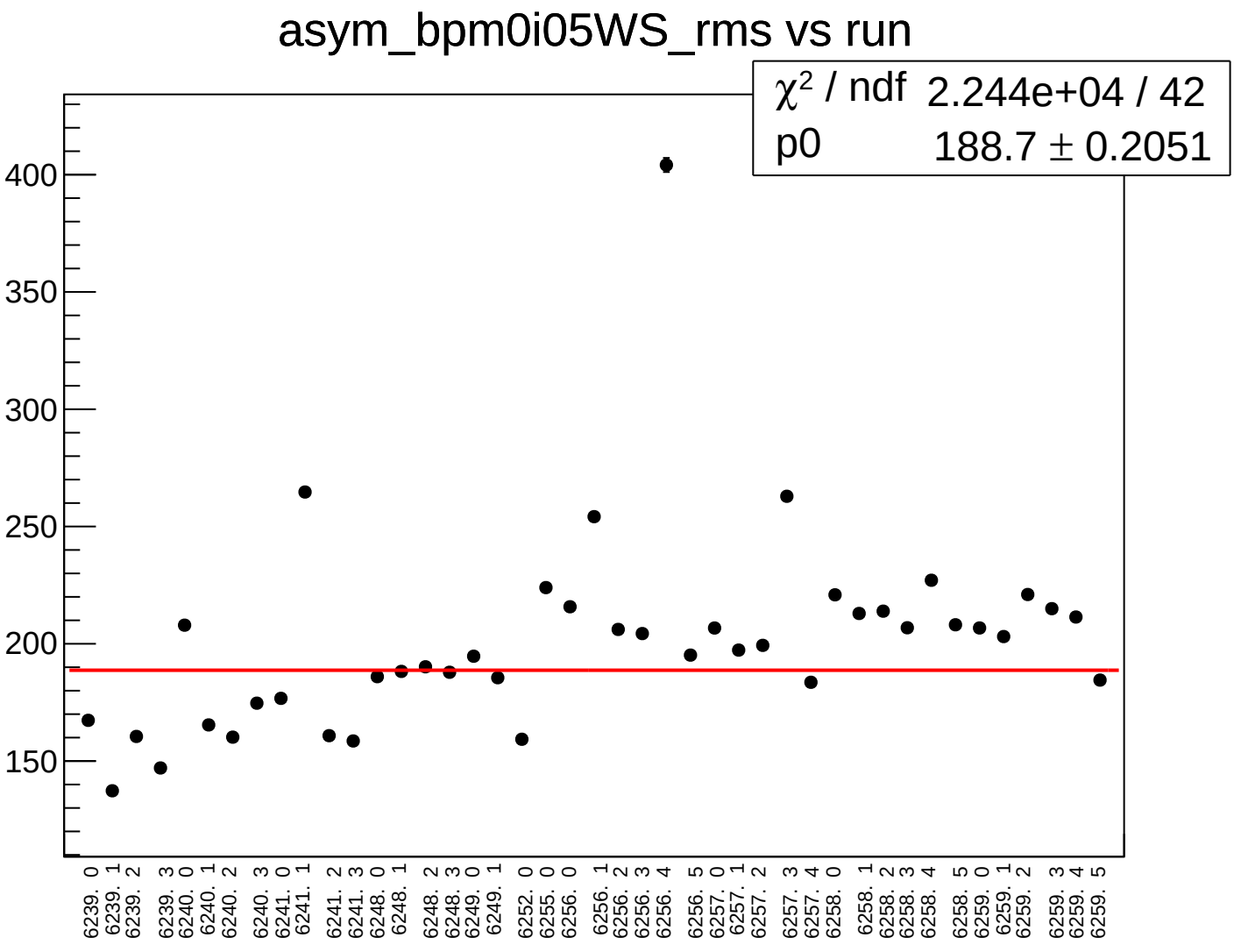

asym_bpm0i02WS_rms vs run
χ² / ndf 2.595e+04 / 42
p0 153.5 ± 0.1672
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

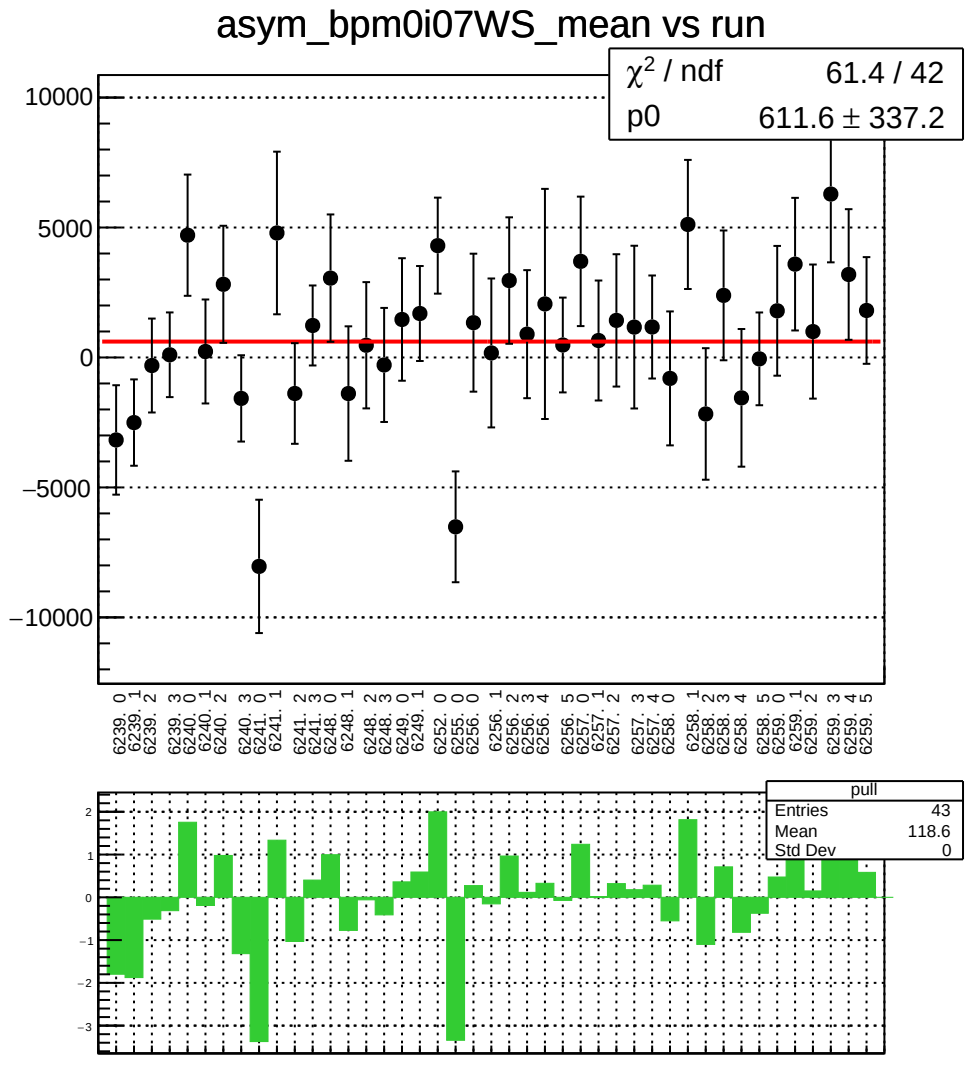

asym_bpm0i02aWS_mean vs run
χ² / ndf 820.7 / 42
p0 7946 ± 287.7
25000
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 122.2
Std Dev 0
8
6
4
2
0
−2
−4
−6
pull1D
Entries 43
Mean −0.5223
Std Dev 4.193
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

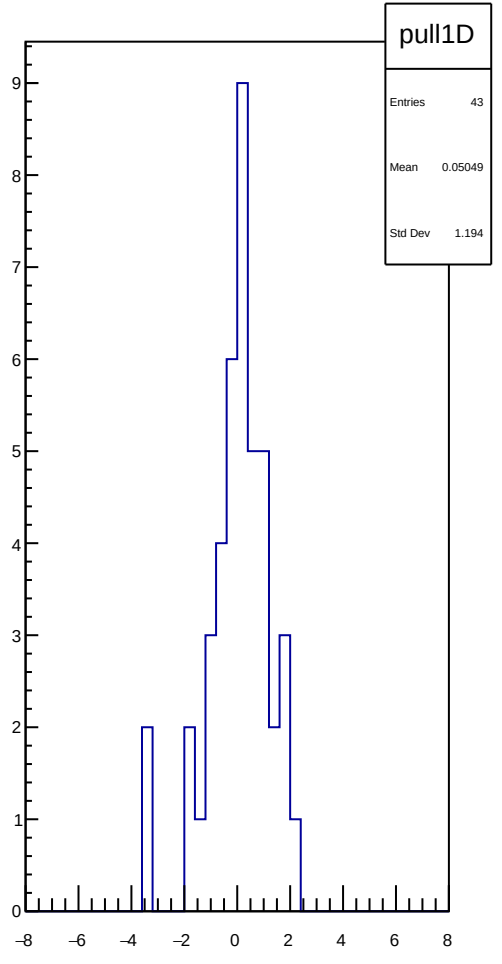

asym_bpm0i02aWS_rms vs run
χ² / ndf 3.256e+04 / 42
p0 186.1 ± 0.2035
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

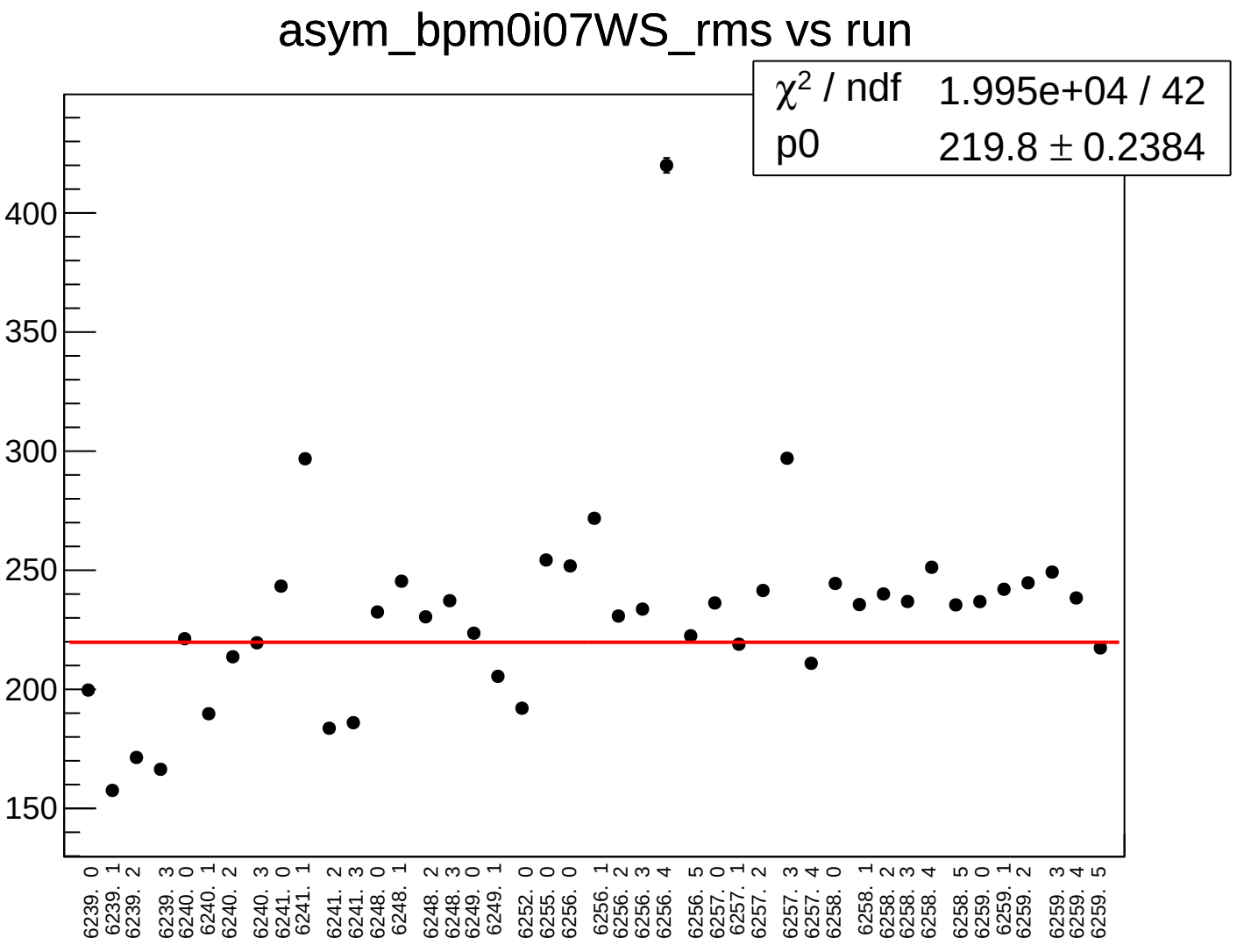

asym_bpm0i05WS_mean vs run
χ² / ndf 169 / 42
p0 190.8 ± 290
pull
Entries 43
Mean 25.62
Std Dev 0

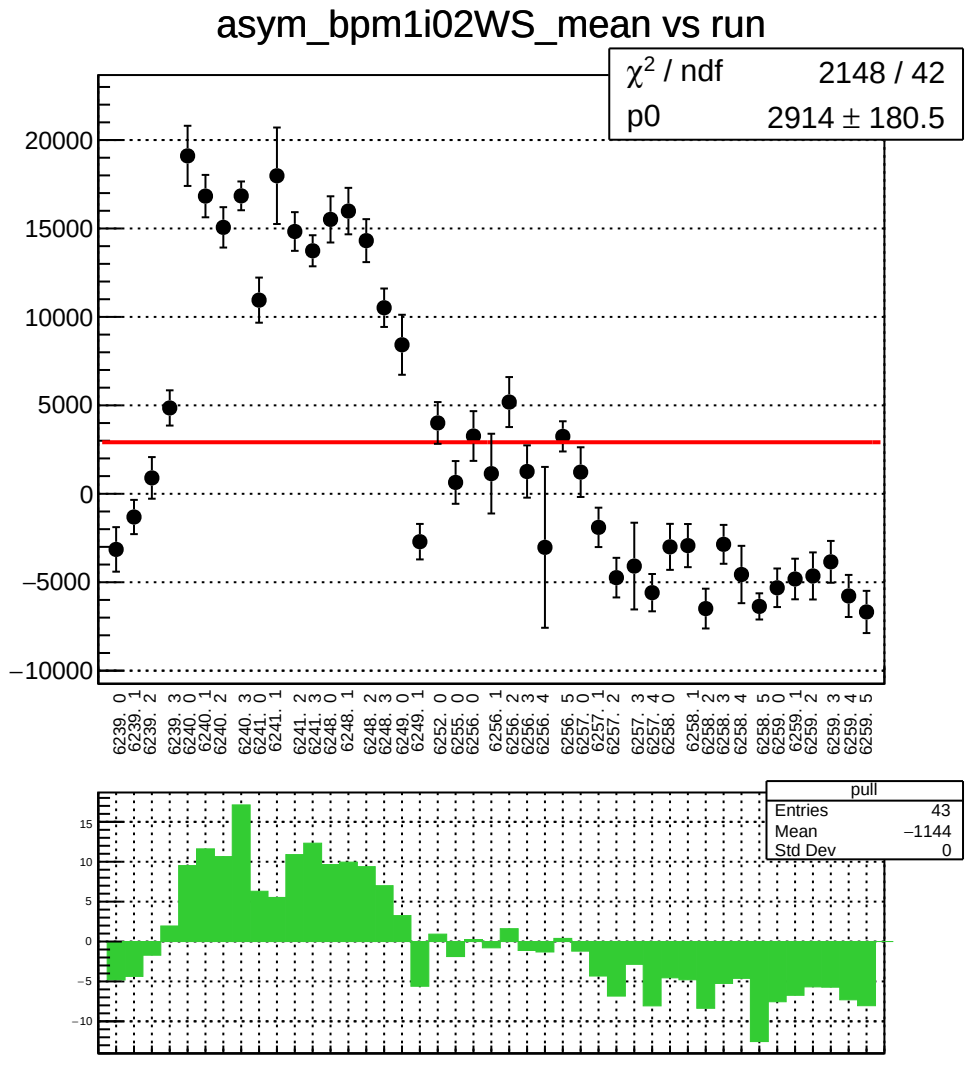

pull1D
Entries 43
Mean 0.06157
Std Dev 1.982

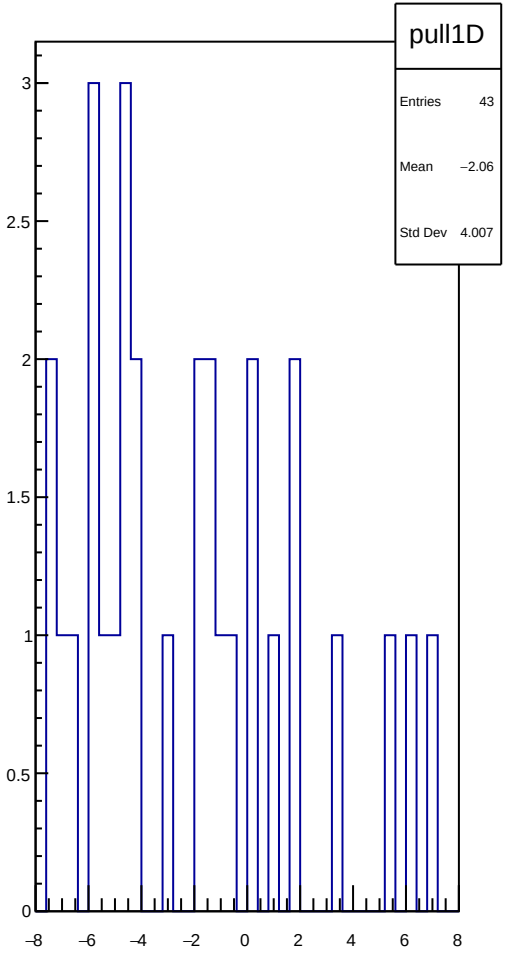

asym_bpm0i05WS_rms vs run
χ² / ndf 2.244e+04 / 42
p0 188.7 ± 0.2051
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

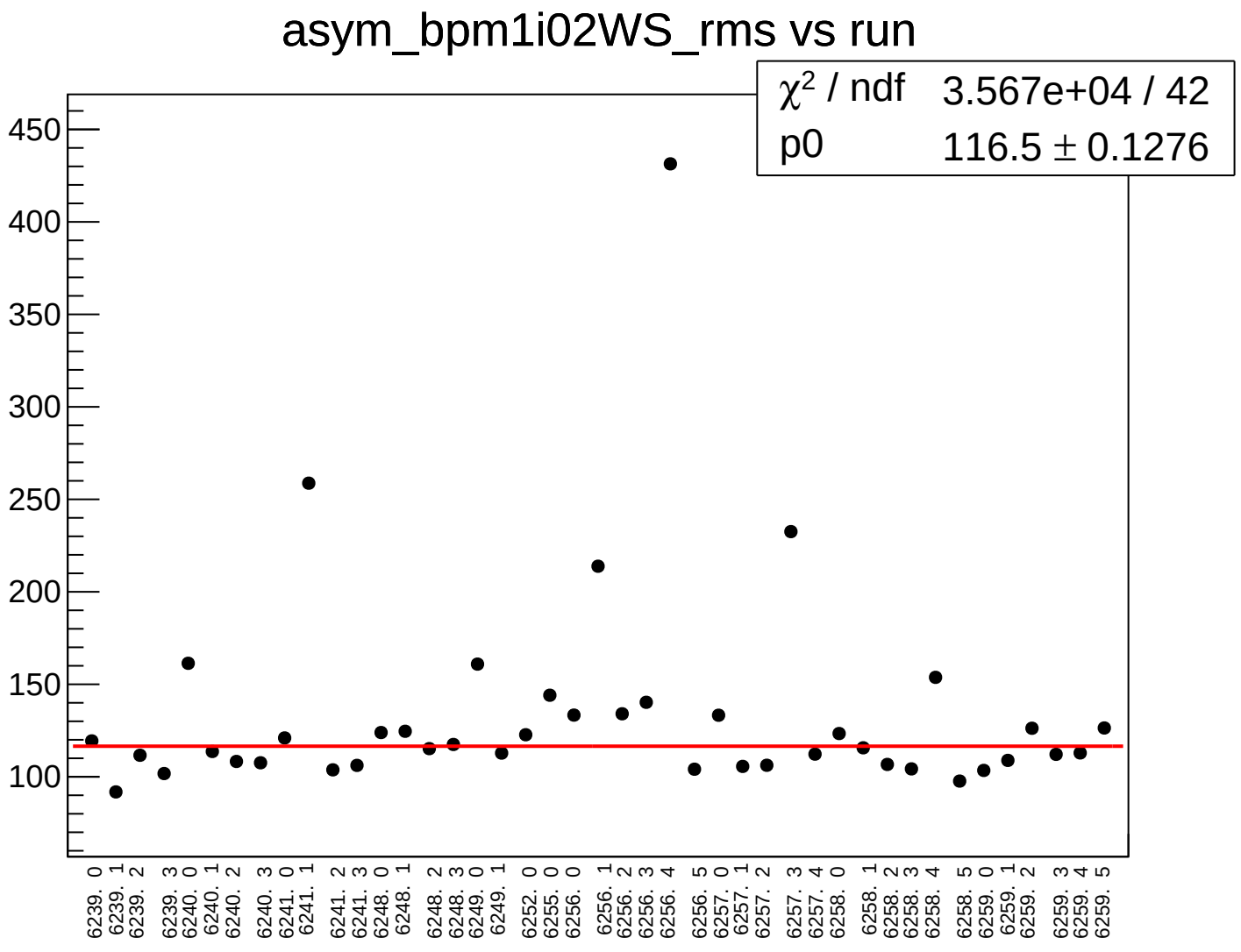

asym_bpm0i07WS_mean vs run
χ² / ndf 61.4 / 42
p0 611.6 ± 337.2
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 118.6
Std Dev 0
2
1
0
−1
−2
−3

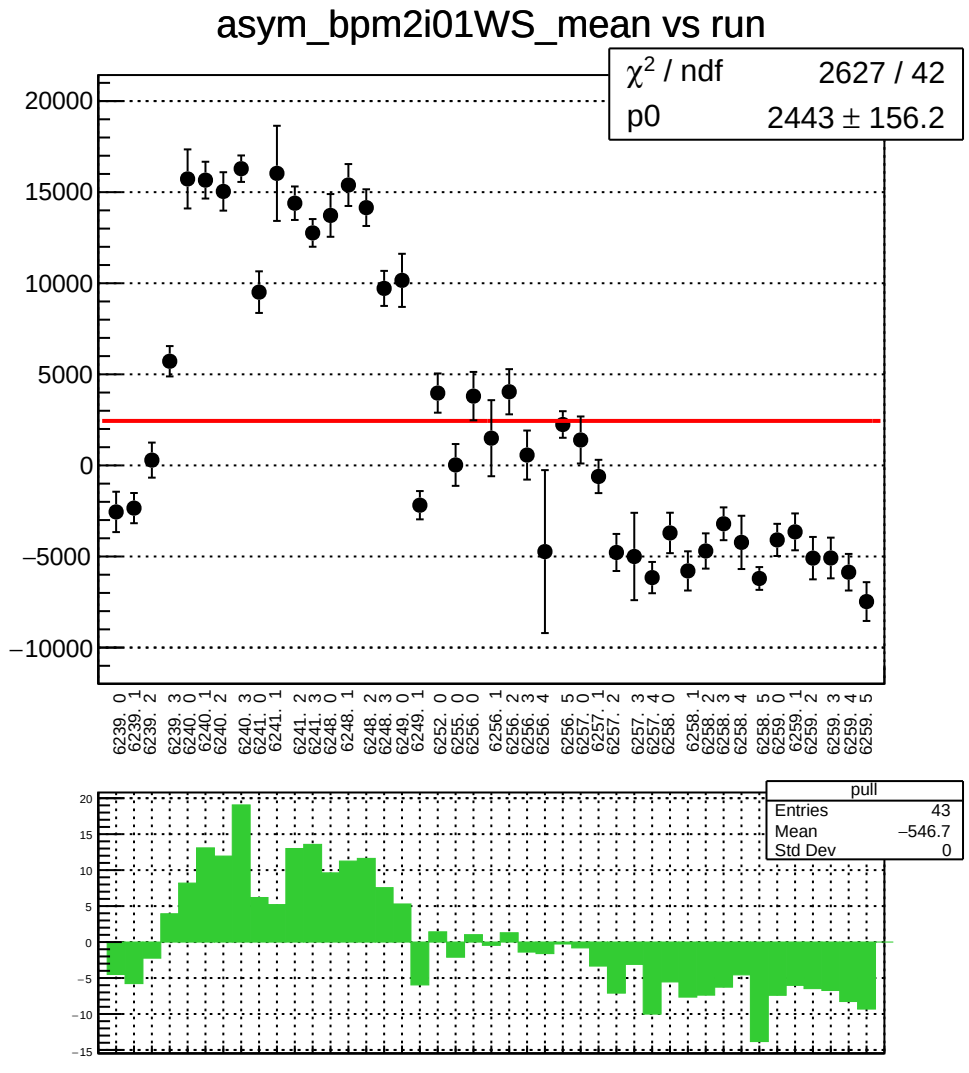

pull1D
Entries 43
Mean 0.05049
Std Dev 1.194
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

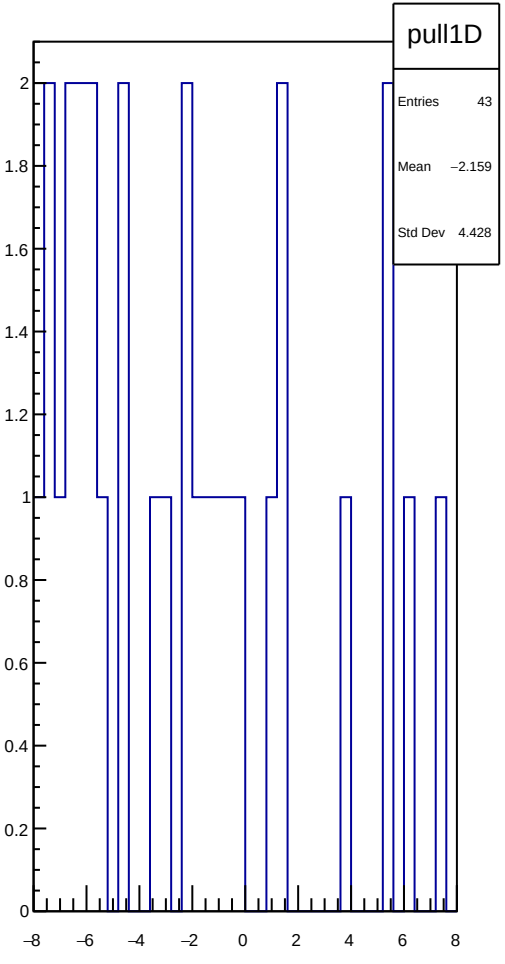

asym_bpm0i07WS_rms vs run
χ² / ndf 1.995e+04 / 42
p0 219.8 ± 0.2384
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

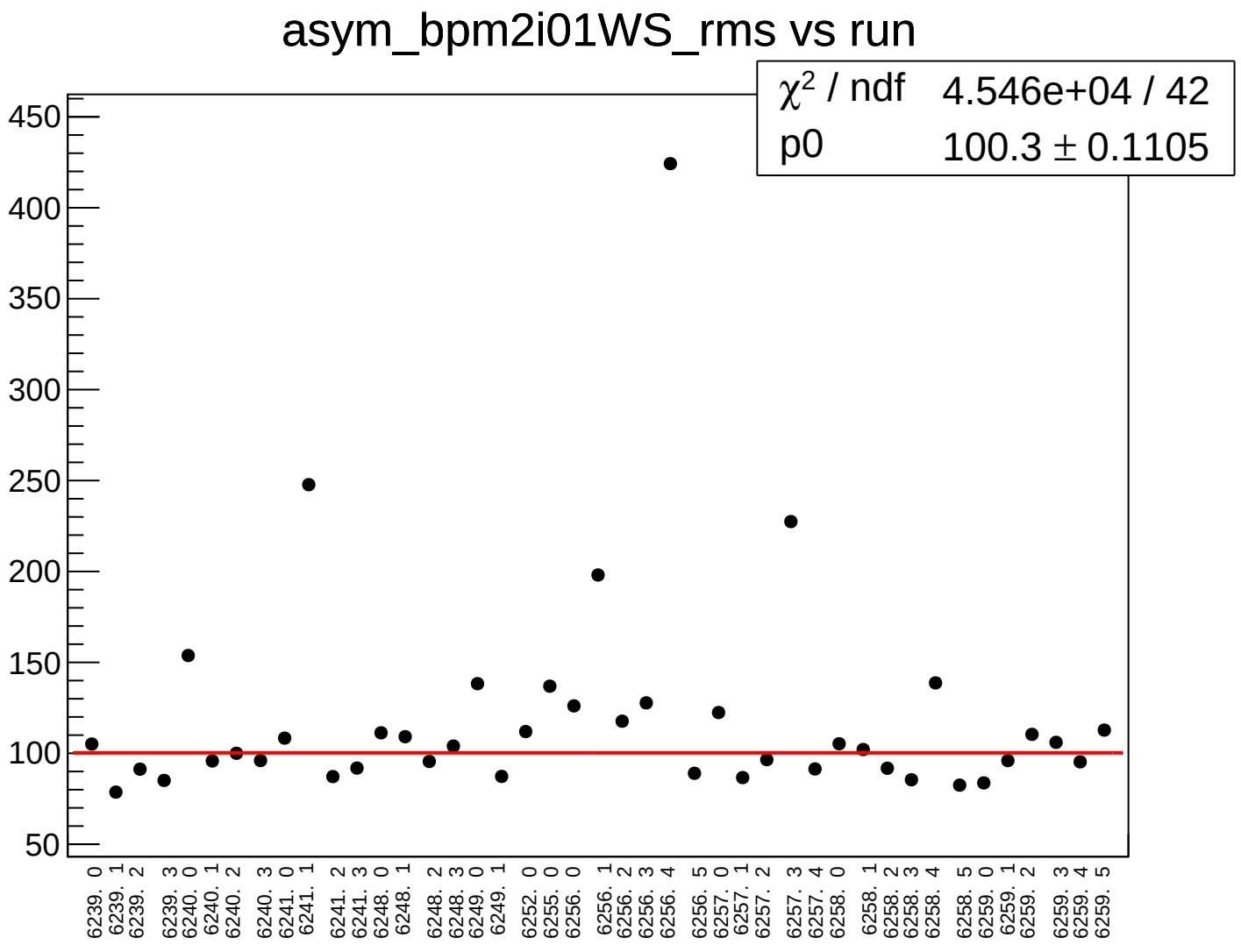

asym_bpm1i02WS_mean vs run
χ² / ndf 2148 / 42
p0 2914 ± 180.5
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1144
Std Dev 0
15
10
5
0
−5
−10

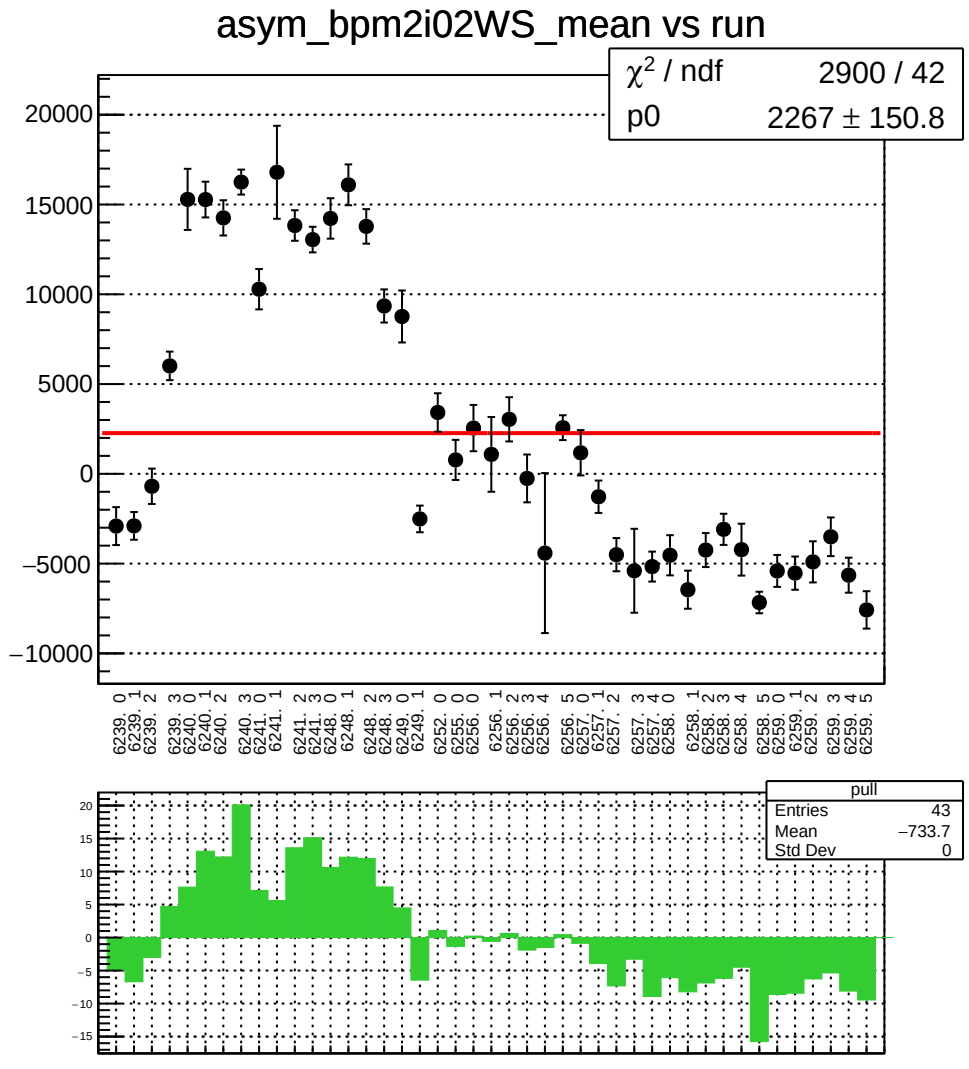

pull1D
Entries 43
Mean −2.06
Std Dev 4.007
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

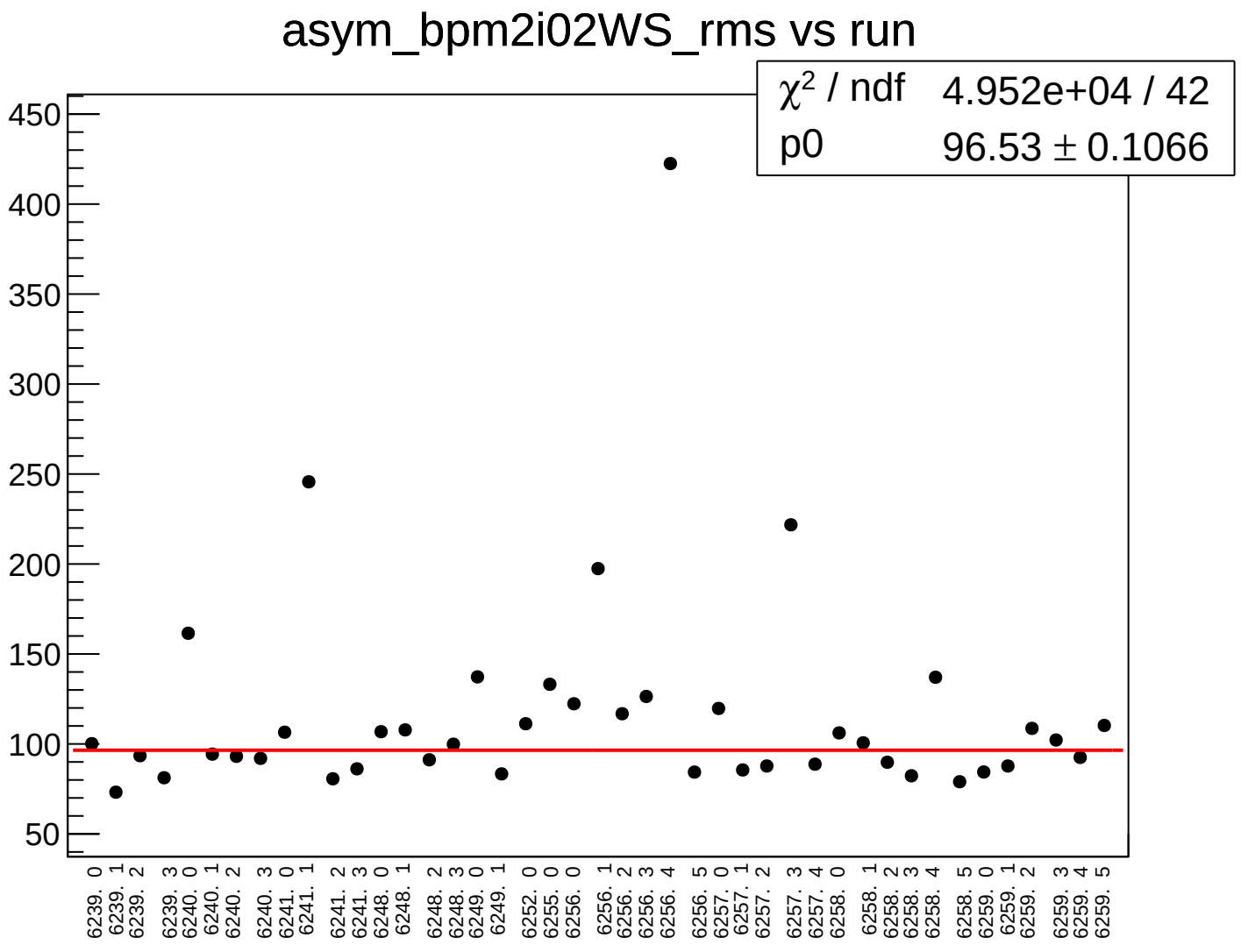

asym_bpm1i02WS_rms vs run
$\chi^2$ / ndf 3.567e+04 / 42
p0 116.5 ± 0.1276
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

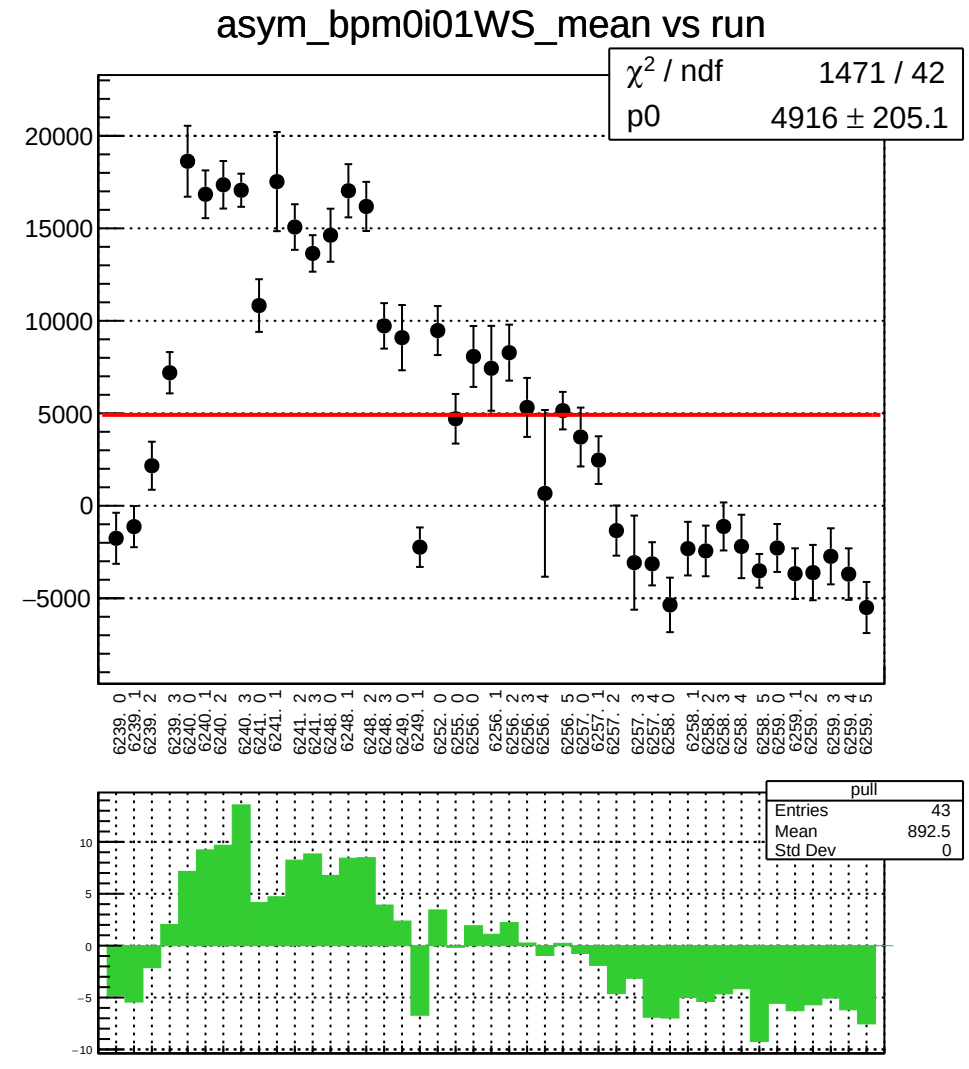

asym_bpm2i01WS_mean vs run
χ² / ndf 2627 / 42
p0 2443 ± 156.2
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −546.7
Std Dev 0
20
15
10
5
0
−5
−10
−15

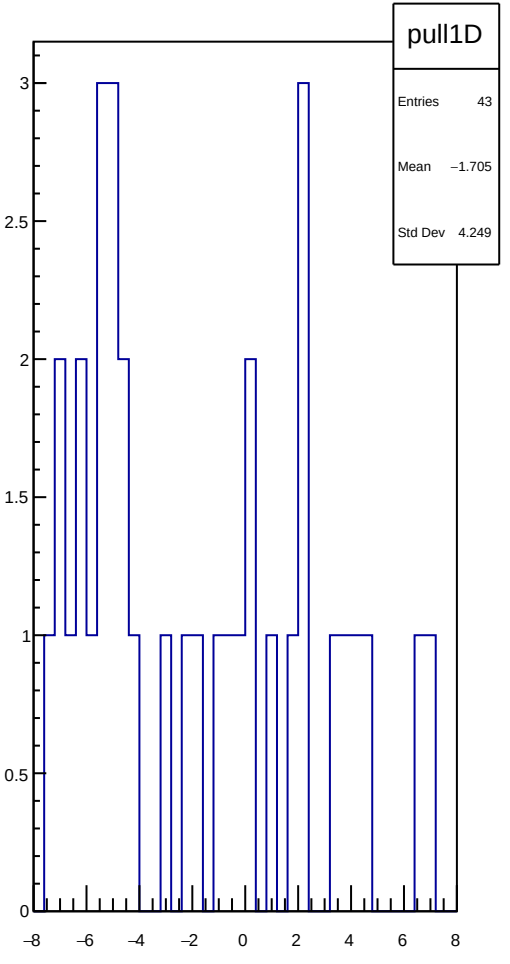

pull1D
Entries 43
Mean −2.159
Std Dev 4.428
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

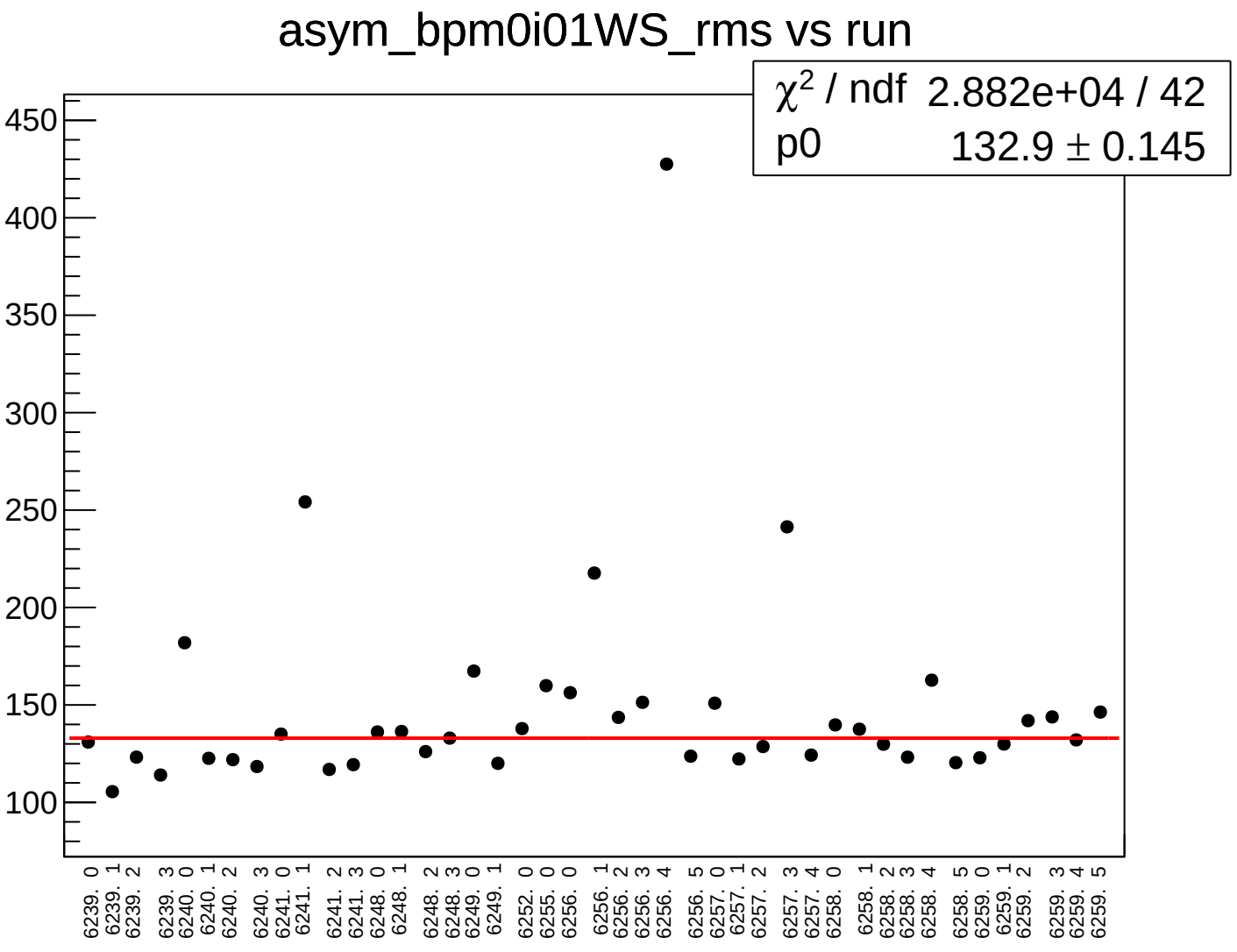

asym_bpm2i01WS_rms vs run
χ² / ndf 4.546e+04 / 42
p0 100.3 ± 0.1105
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

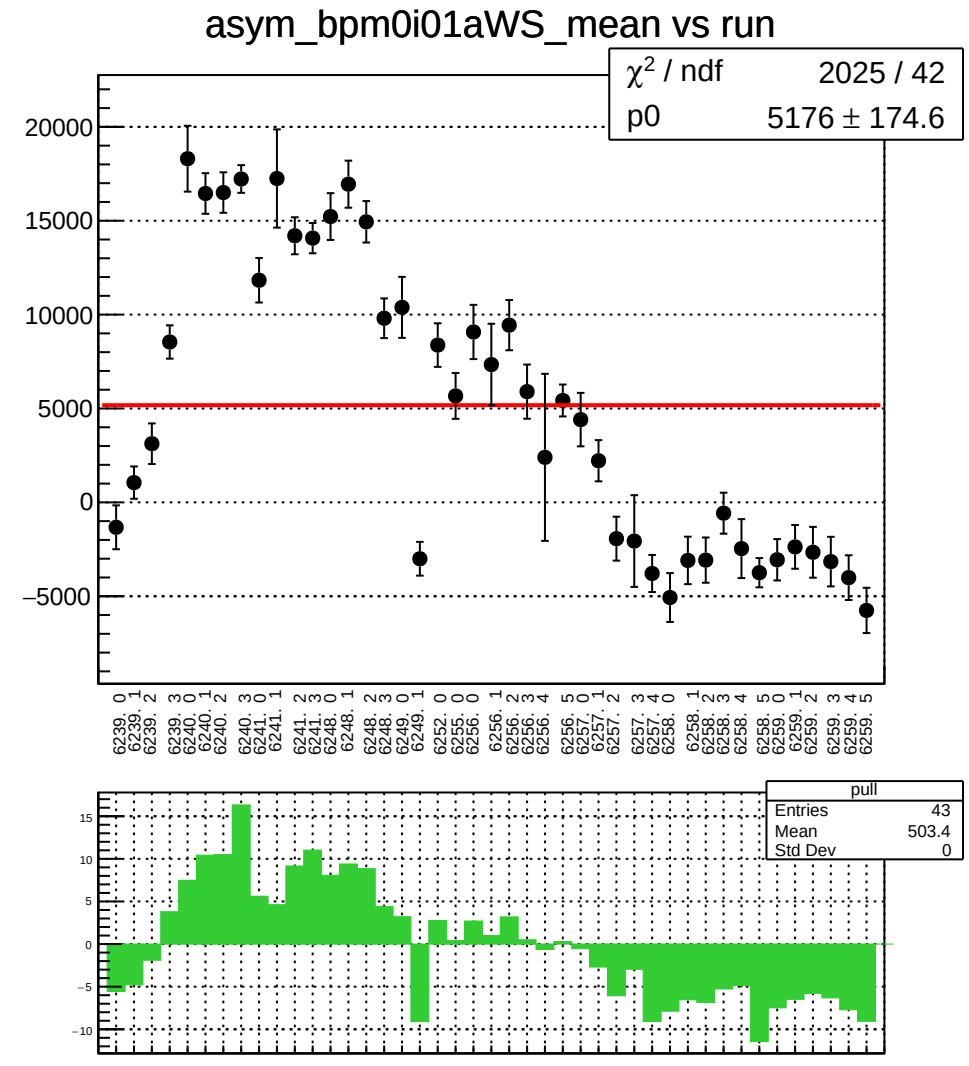

asym_bpm2i02WS_mean vs run
χ² / ndf 2900 / 42
p0 2267 ± 150.8
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −733.7
Std Dev 0
20
15
10
5
0
−5
−10
−15
pull1D
Entries 43
Mean −1.334
Std Dev 4.676
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

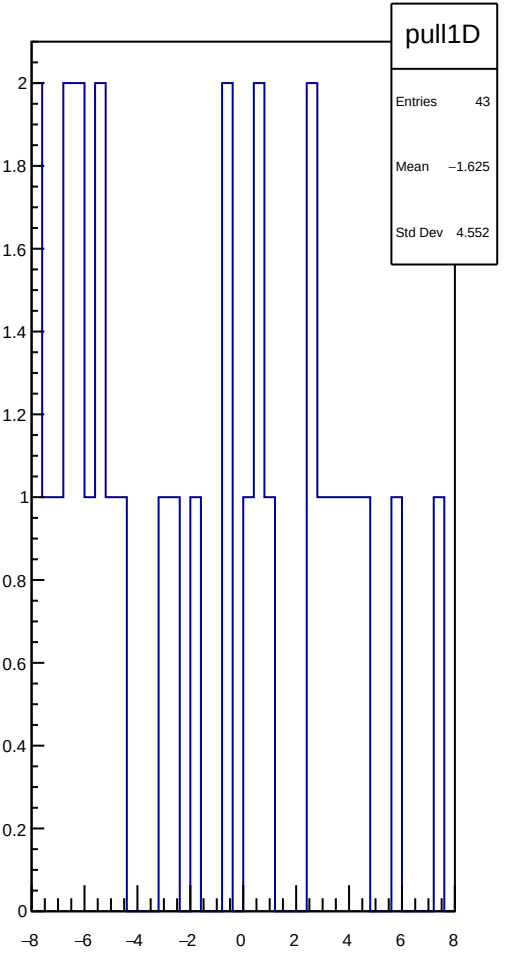

asym_bpm2i02WS_rms vs run
χ² / ndf 4.952e+04 / 42
p0 96.53 ± 0.1066
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

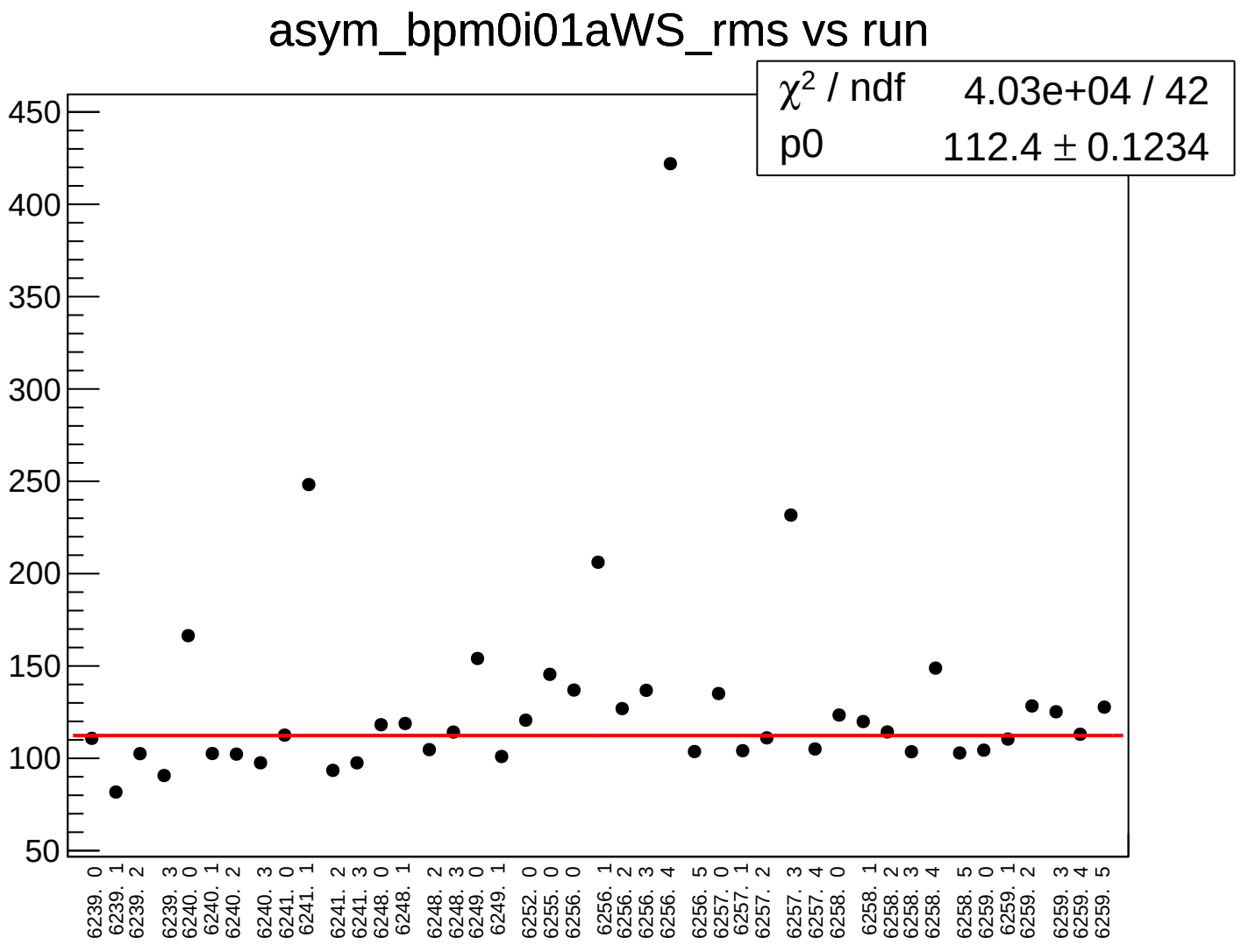

asym_bpm0i01WS_mean vs run
χ² / ndf 1471 / 42
p0 4916 ± 205.1
20000
15000
10000
5000
0
−5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 892.5
Std Dev 0
10
5
0
−5
−10

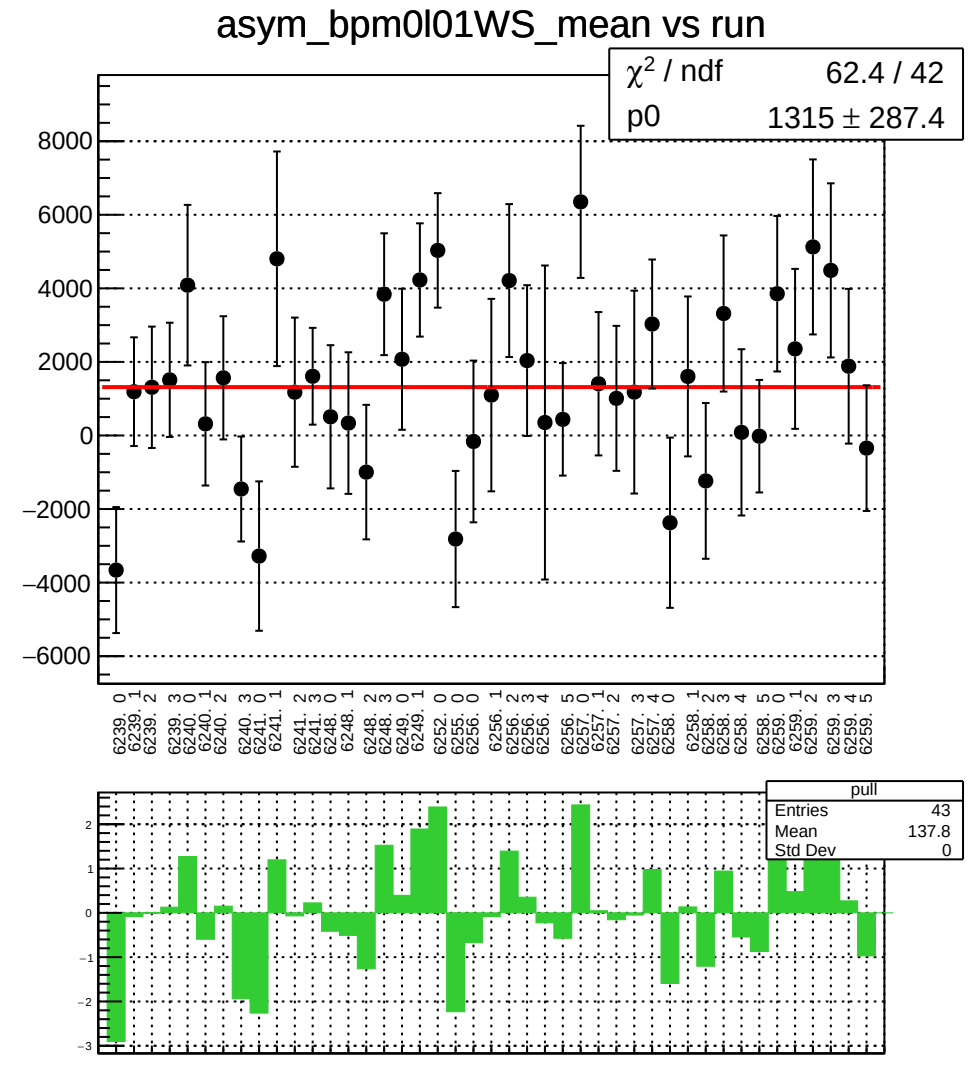

pull1D
Entries 43
Mean −1.705
Std Dev 4.249
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

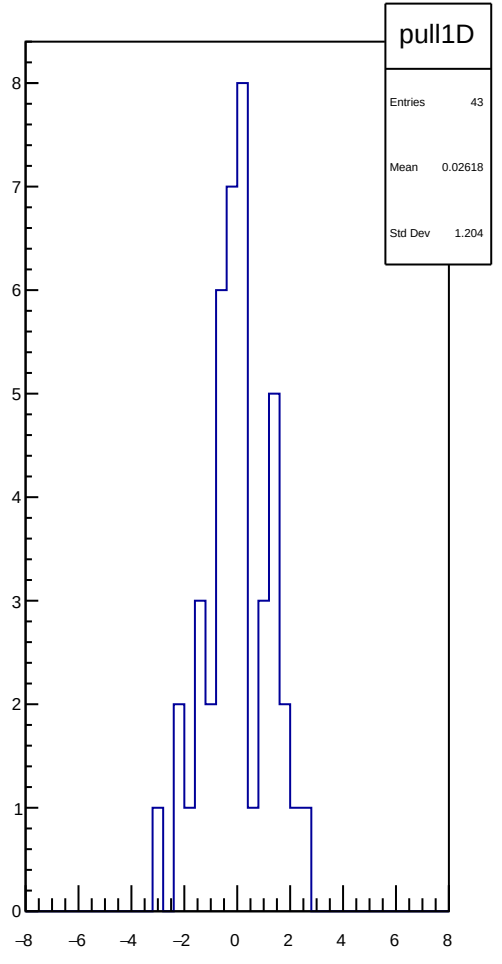

asym_bpm0i01WS_rms vs run
χ² / ndf 2.882e+04 / 42
p0 132.9 ± 0.145
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

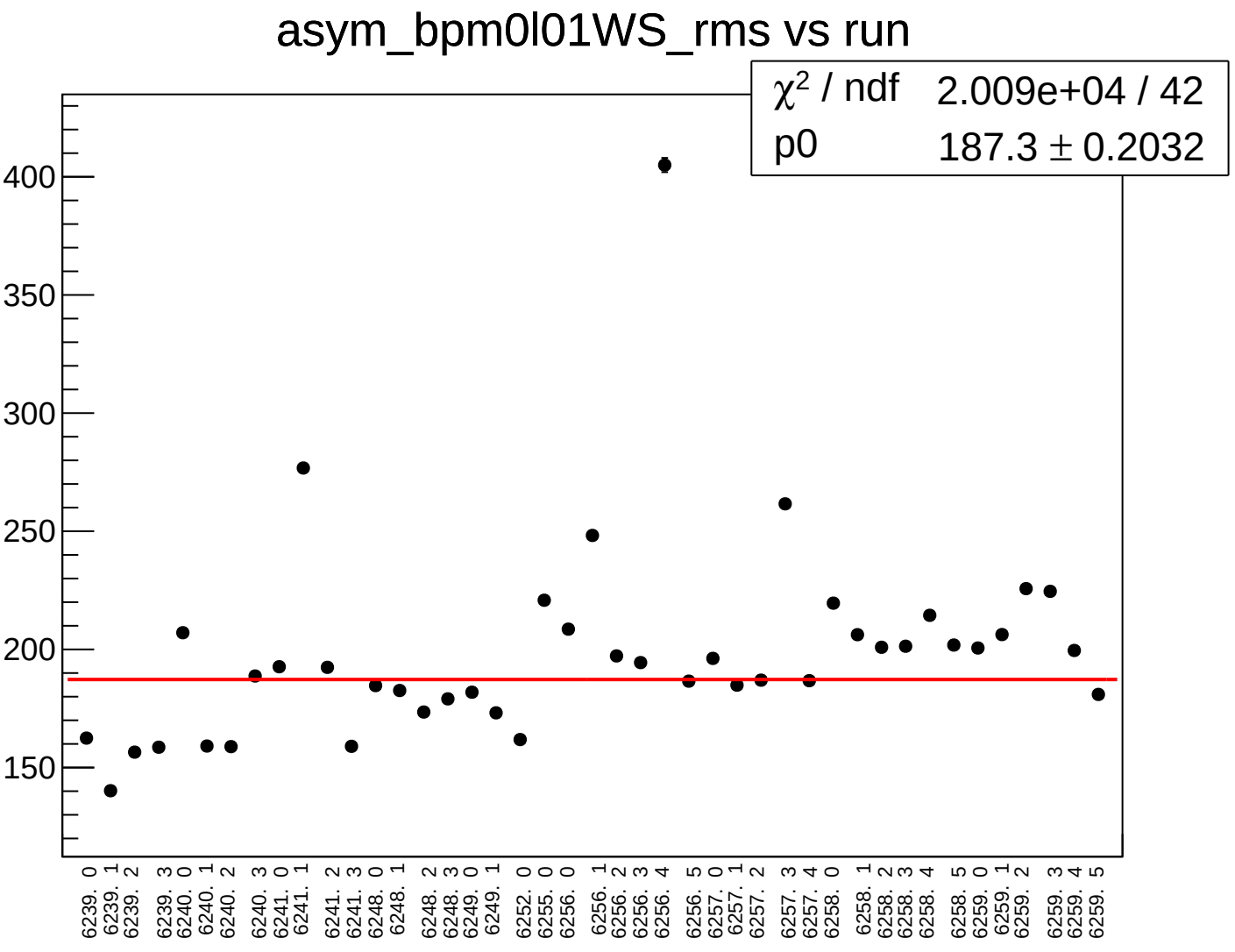

asym_bpm0i01aWS_mean vs run
χ² / ndf 2025 / 42
p0 5176 ± 174.6
20000
15000
10000
5000
0
−5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 503.4
Std Dev 0
15
10
5
0
−5
−10

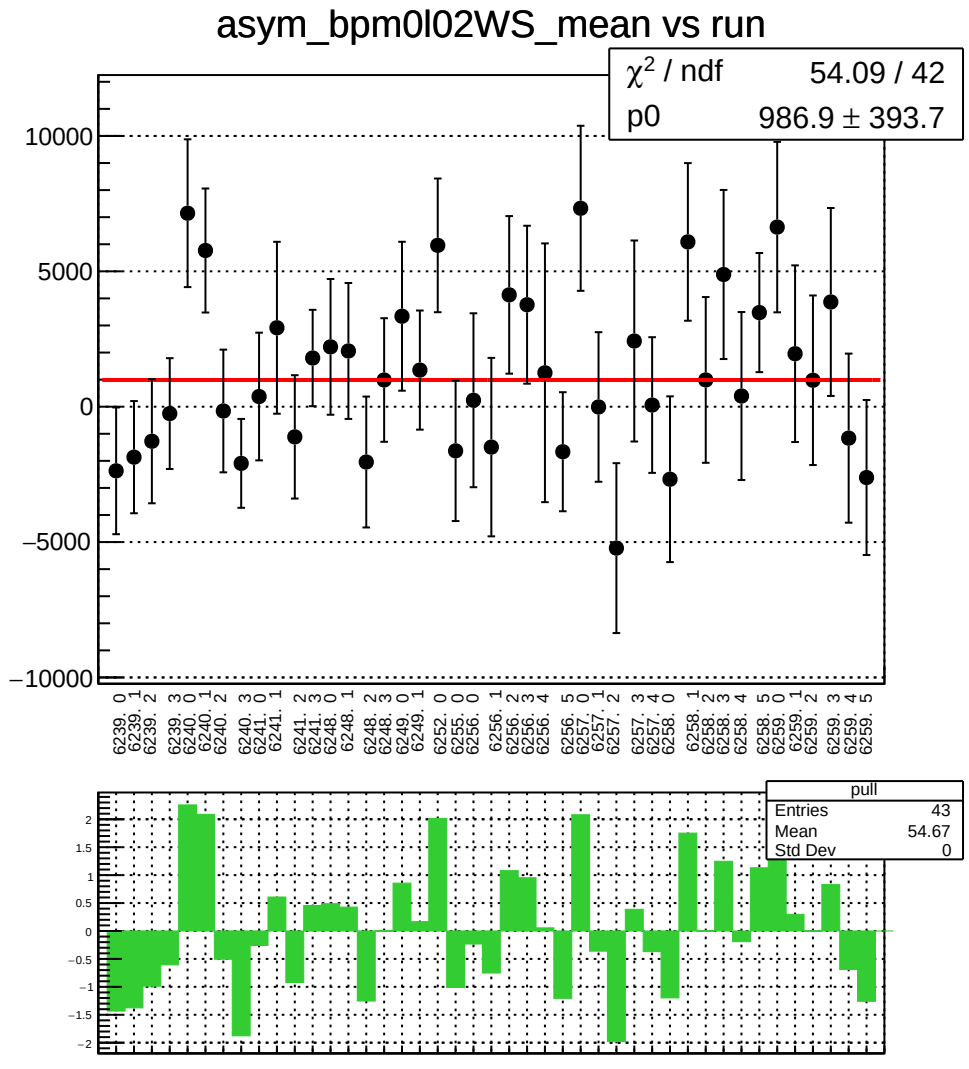

pull1D
Entries 43
Mean −1.625
Std Dev 4.552
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

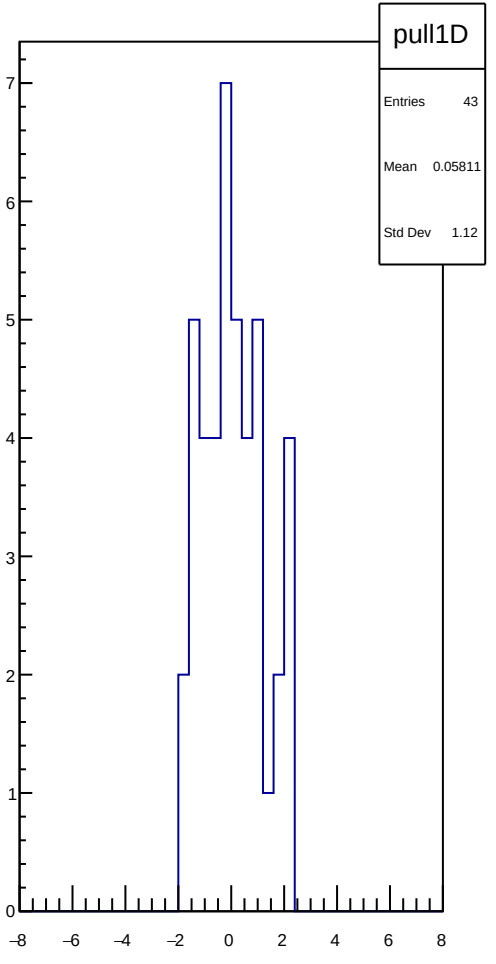

asym_bpm0i01aWS_rms vs run
χ² / ndf 4.03e+04 / 42
p0 112.4 ± 0.1234
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

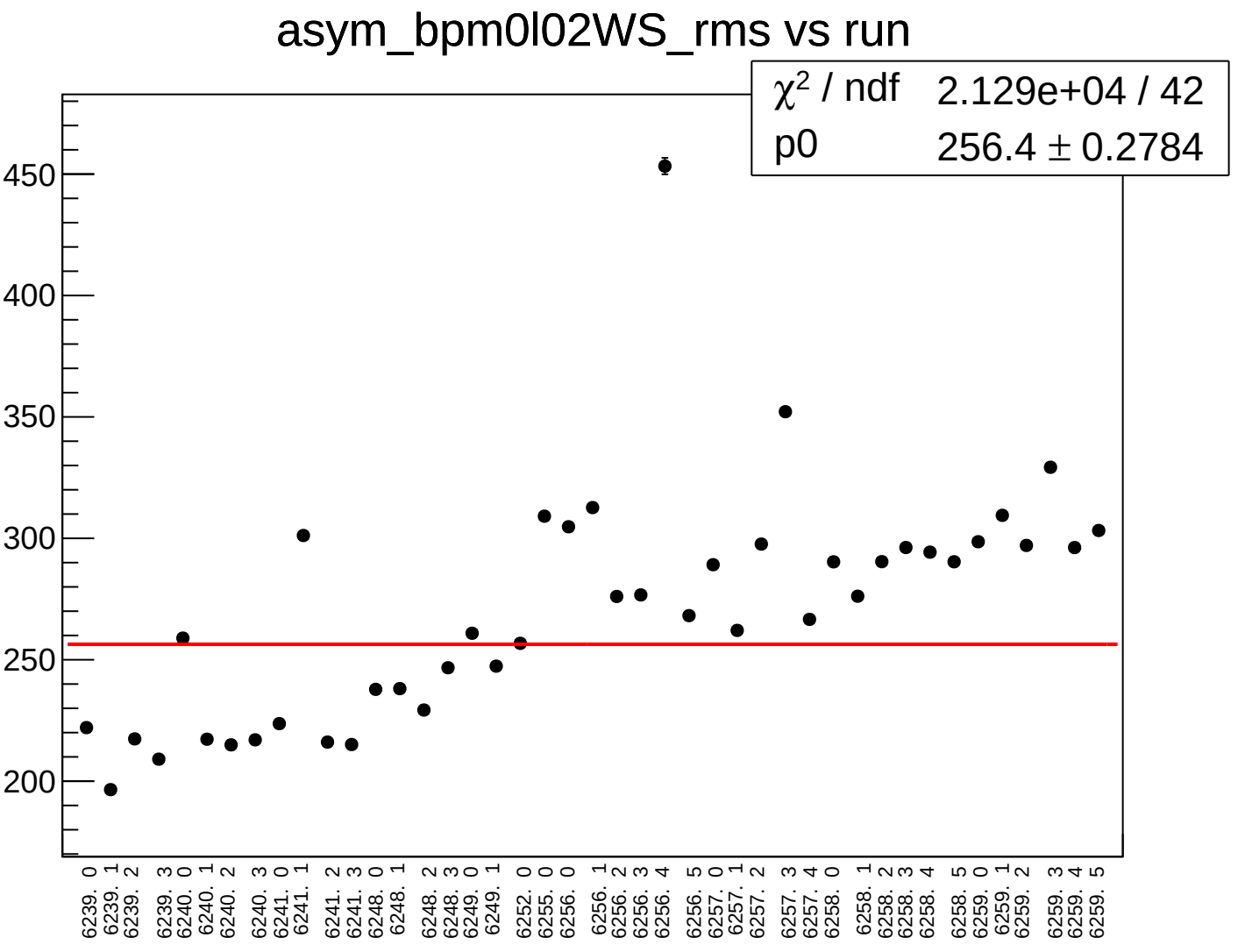

asym_bpm0l01WS_mean vs run
χ² / ndf 62.4 / 42
p0 1315 ± 287.4
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 137.8
Std Dev 0
2
1
0
−1
−2
−3

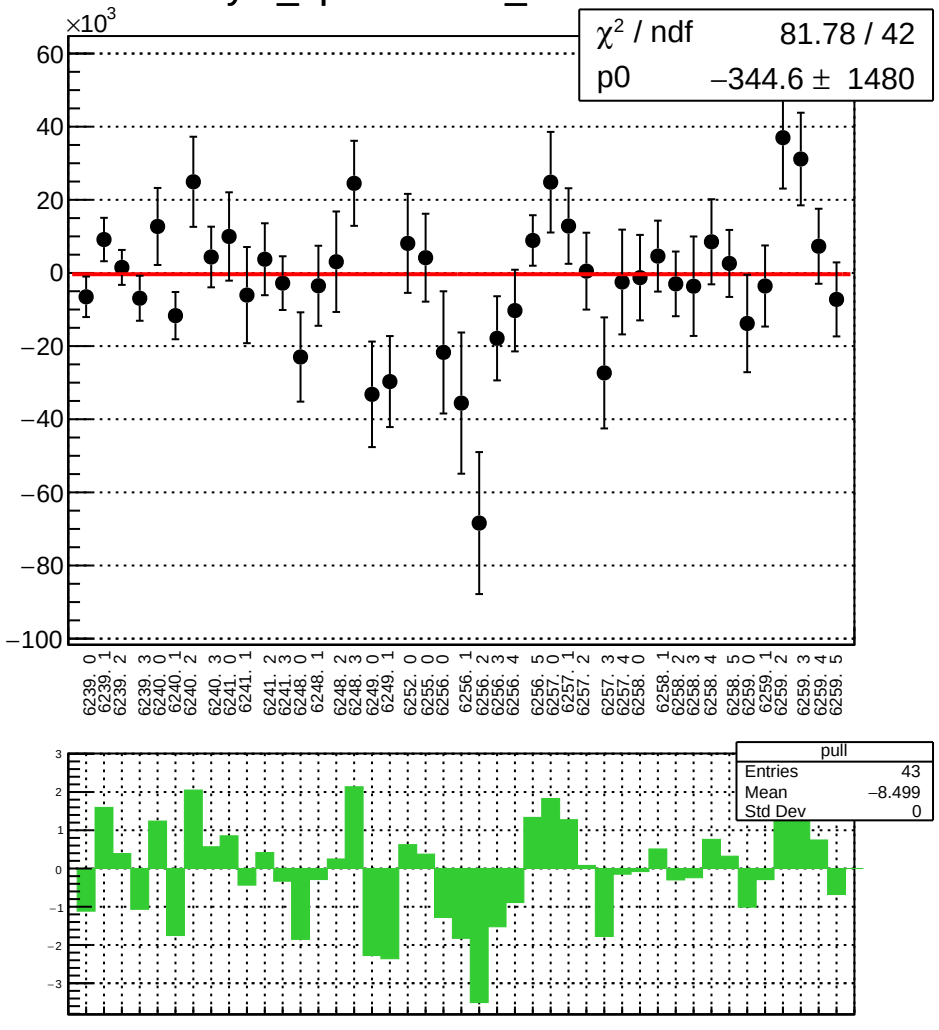

pull1D
Entries 43
Mean 0.02618
Std Dev 1.204
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

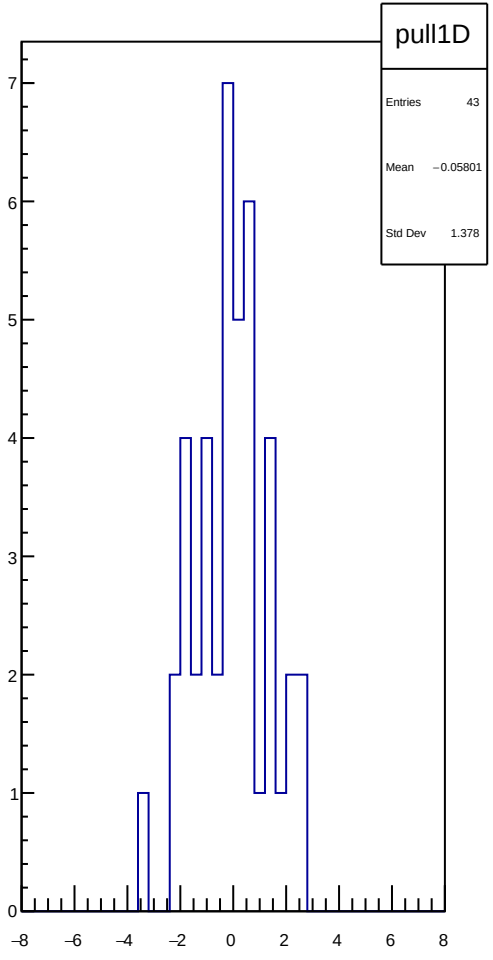

asym_bpm0l01WS_rms vs run
χ² / ndf 2.009e+04 / 42
p0 187.3 ± 0.2032
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

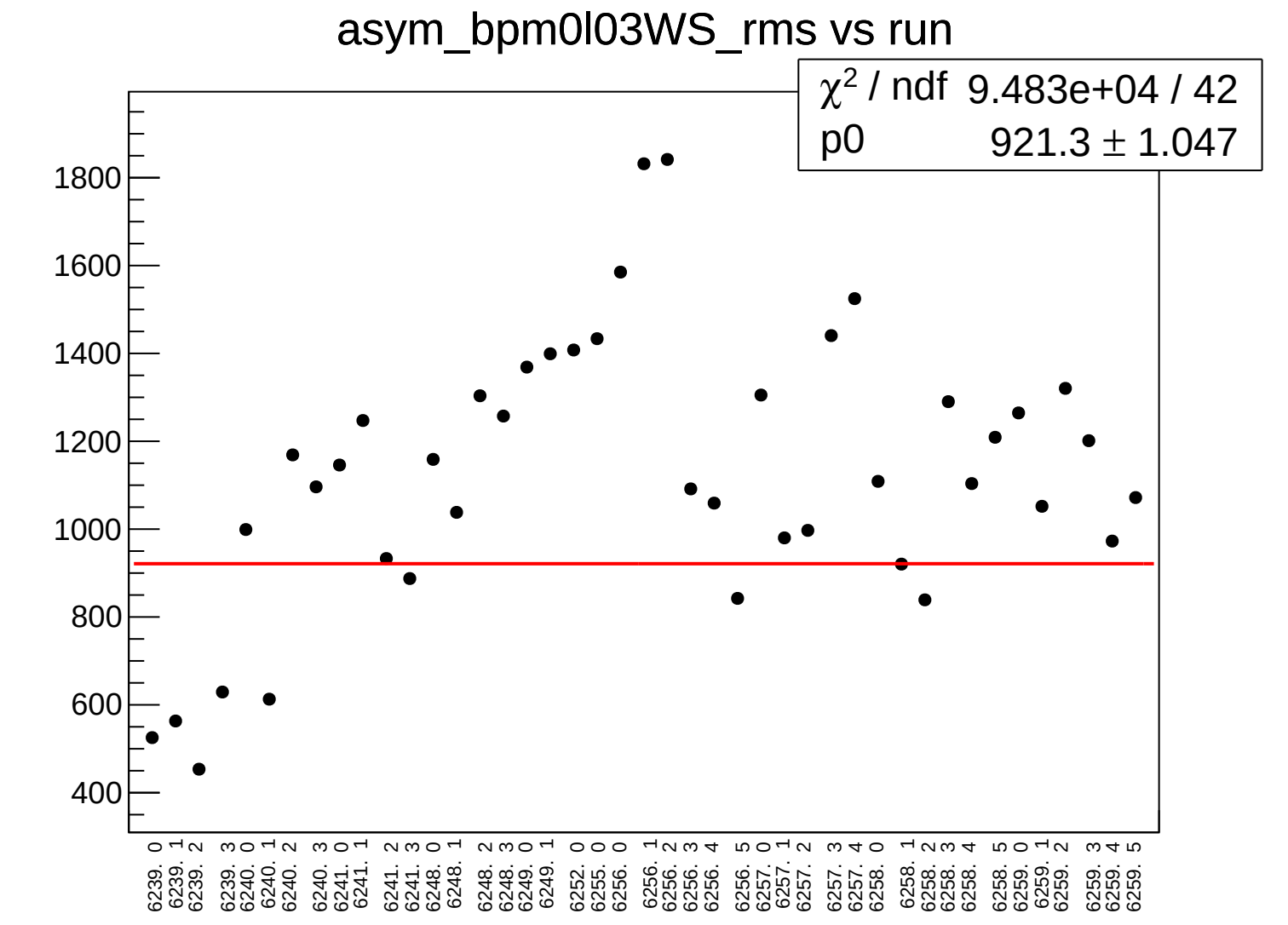

asym_bpm0l02WS_mean vs run
χ² / ndf 54.09 / 42
p0 986.9 ± 393.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

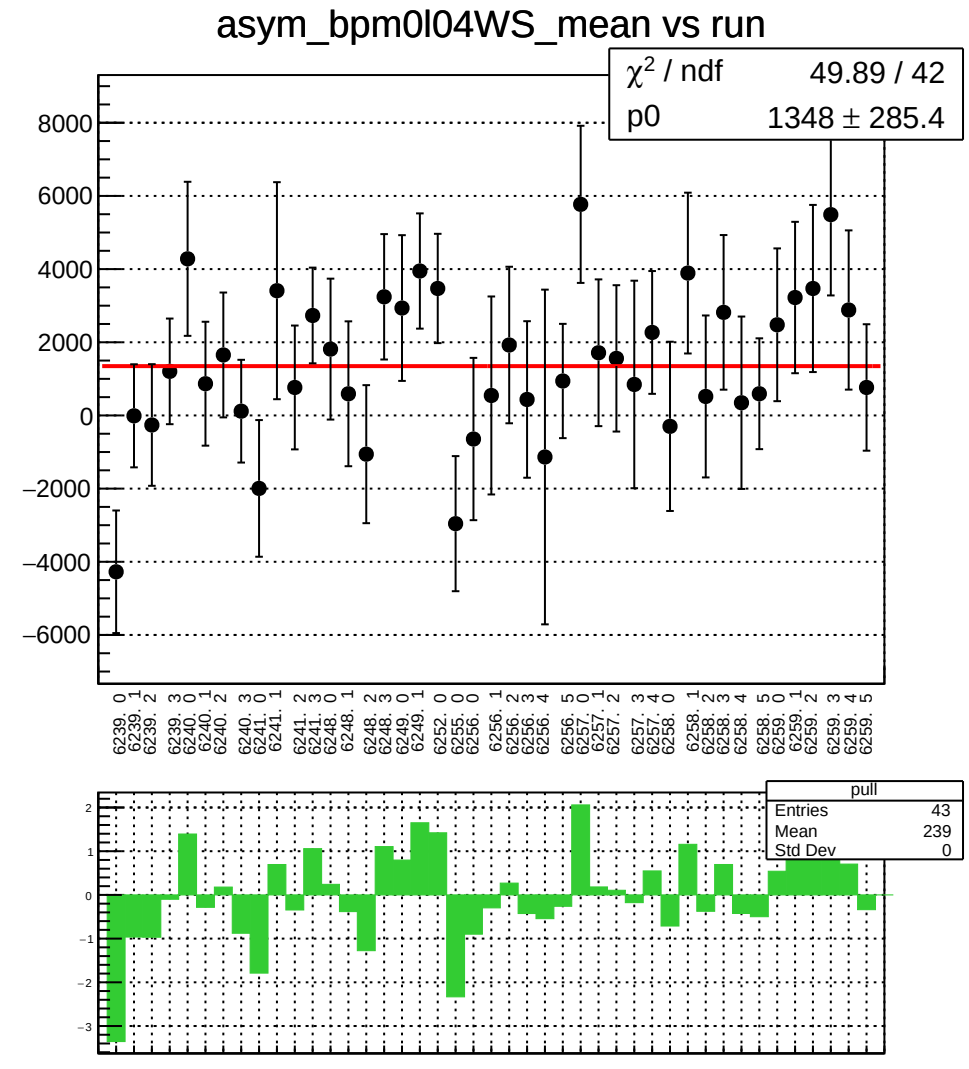

pull1D
Entries 43
Mean 0.05811
Std Dev 1.12
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

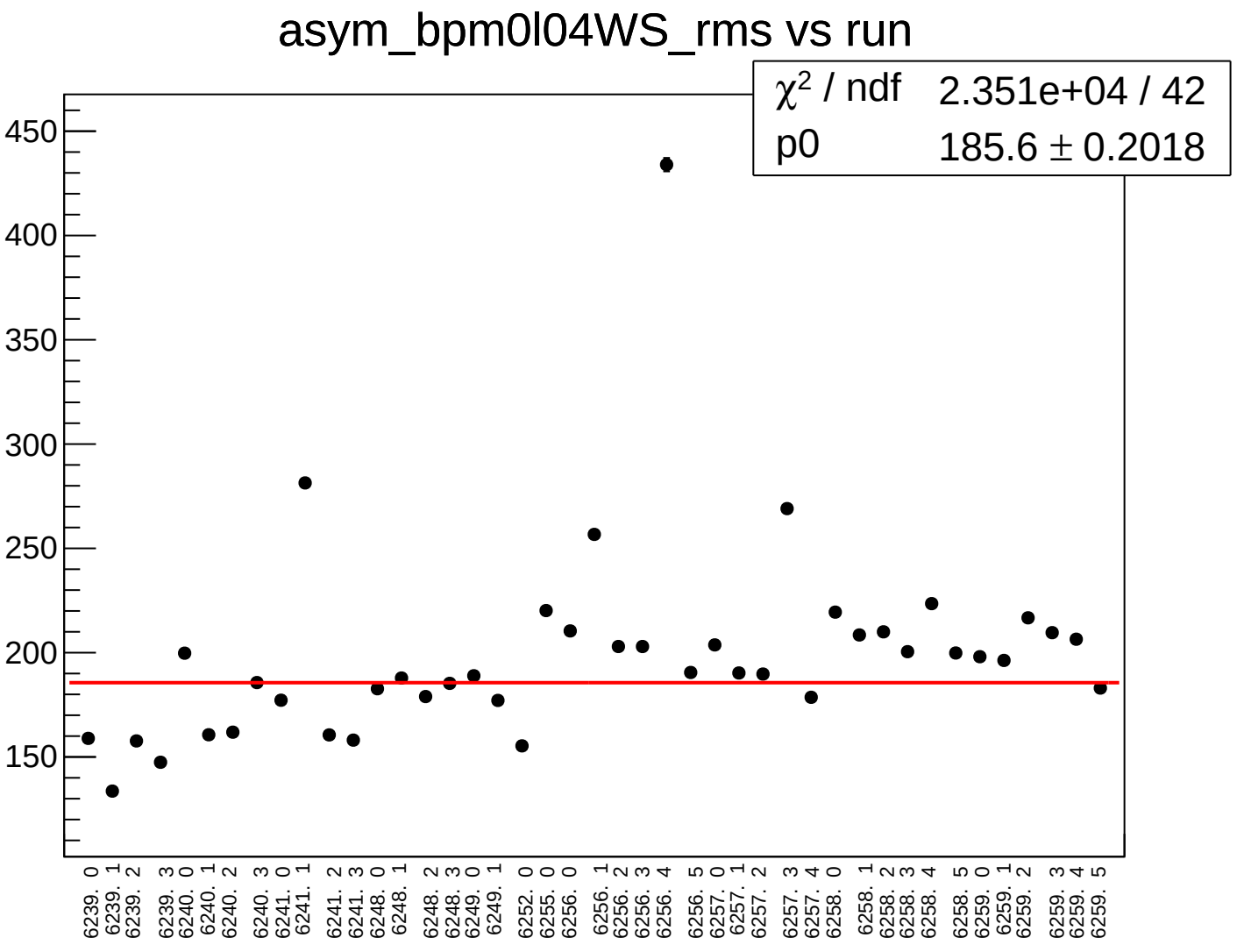

asym_bpm0l02WS_rms vs run
χ² / ndf 2.129e+04 / 42
p0 256.4 ± 0.2784
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

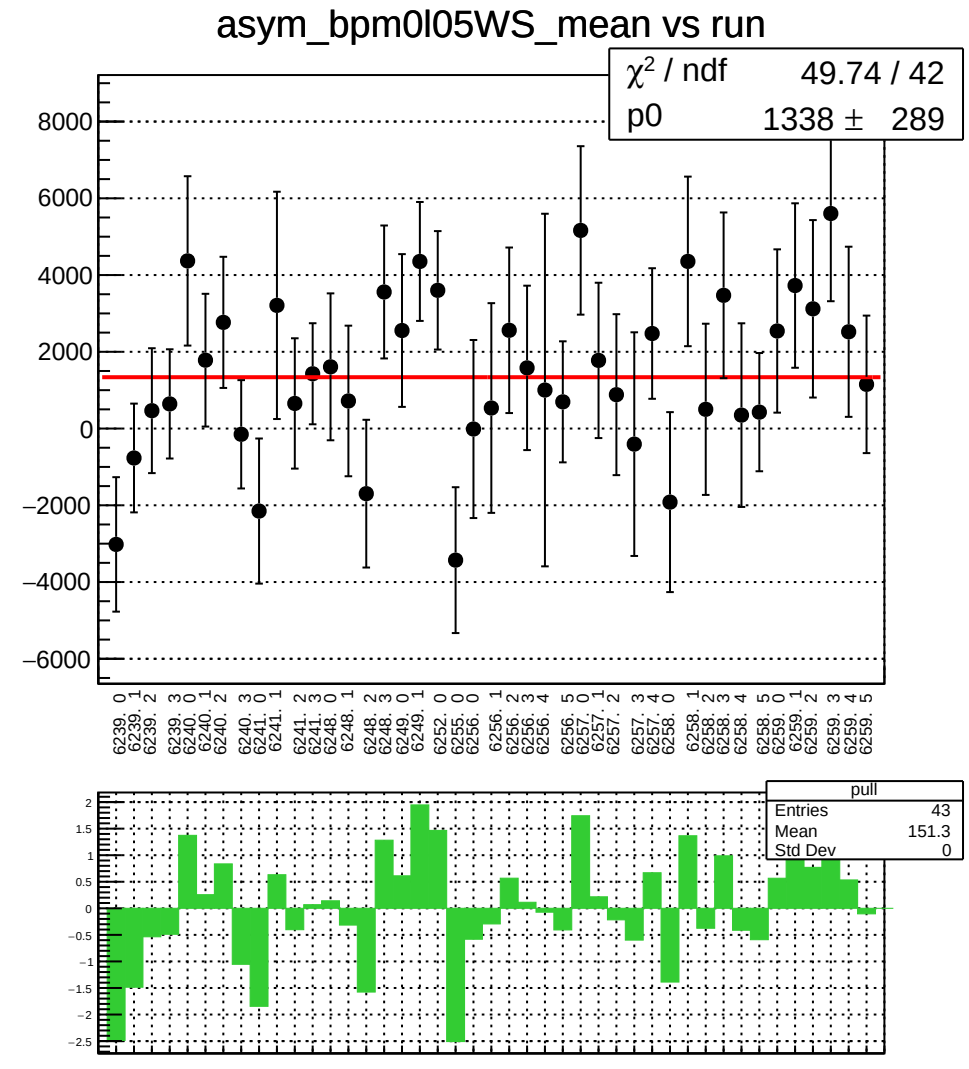

asym_bpm0l03WS_mean vs run
×10^3
χ² / ndf 81.78 / 42
p0 −344.6 ± 1480
60
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.499
Std Dev 0
3
2
1
0
−1
−2
−3

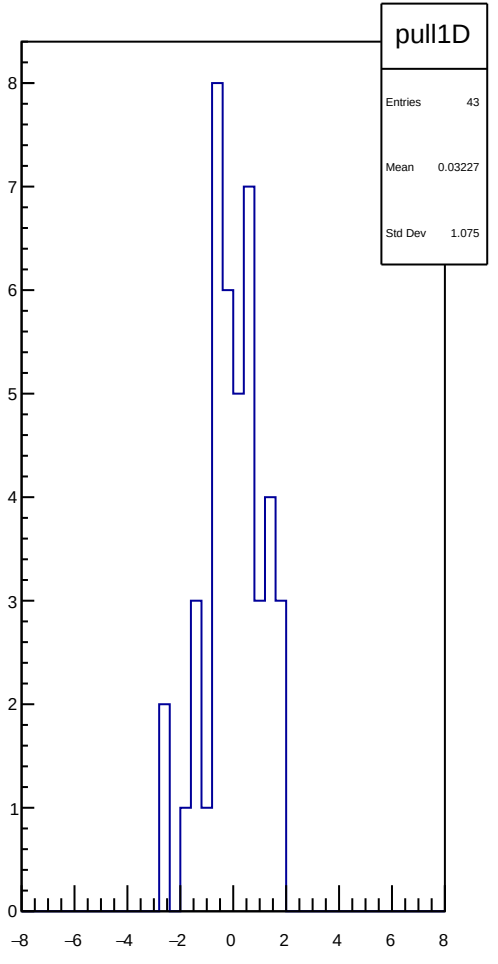

pull1D
Entries 43
Mean −0.05801
Std Dev 1.378
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

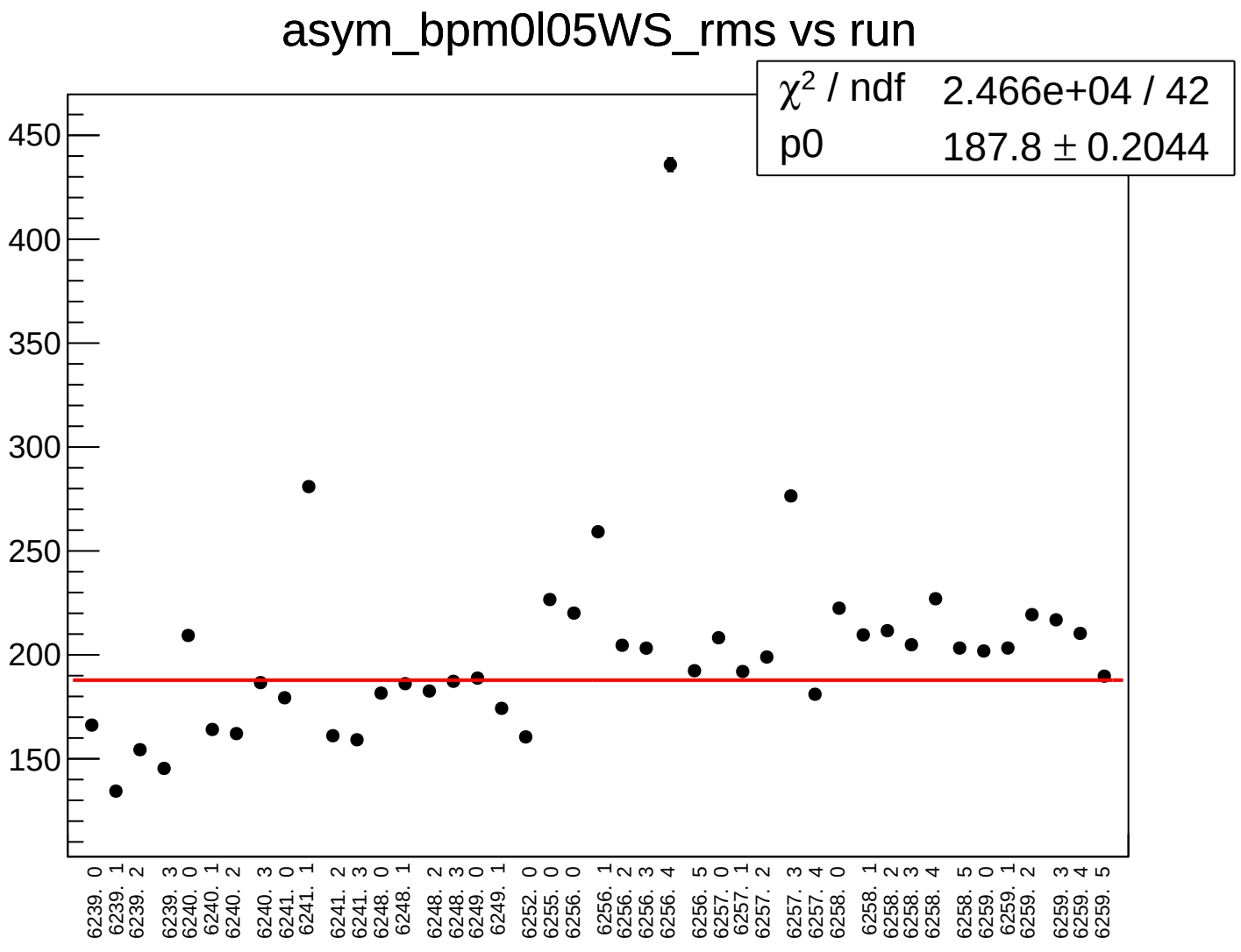

asym_bpm0l03WS_rms vs run
χ² / ndf 9.483e+04 / 42
p0 921.3 ± 1.047
1800
1600
1400
1200
1000
800
600
400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

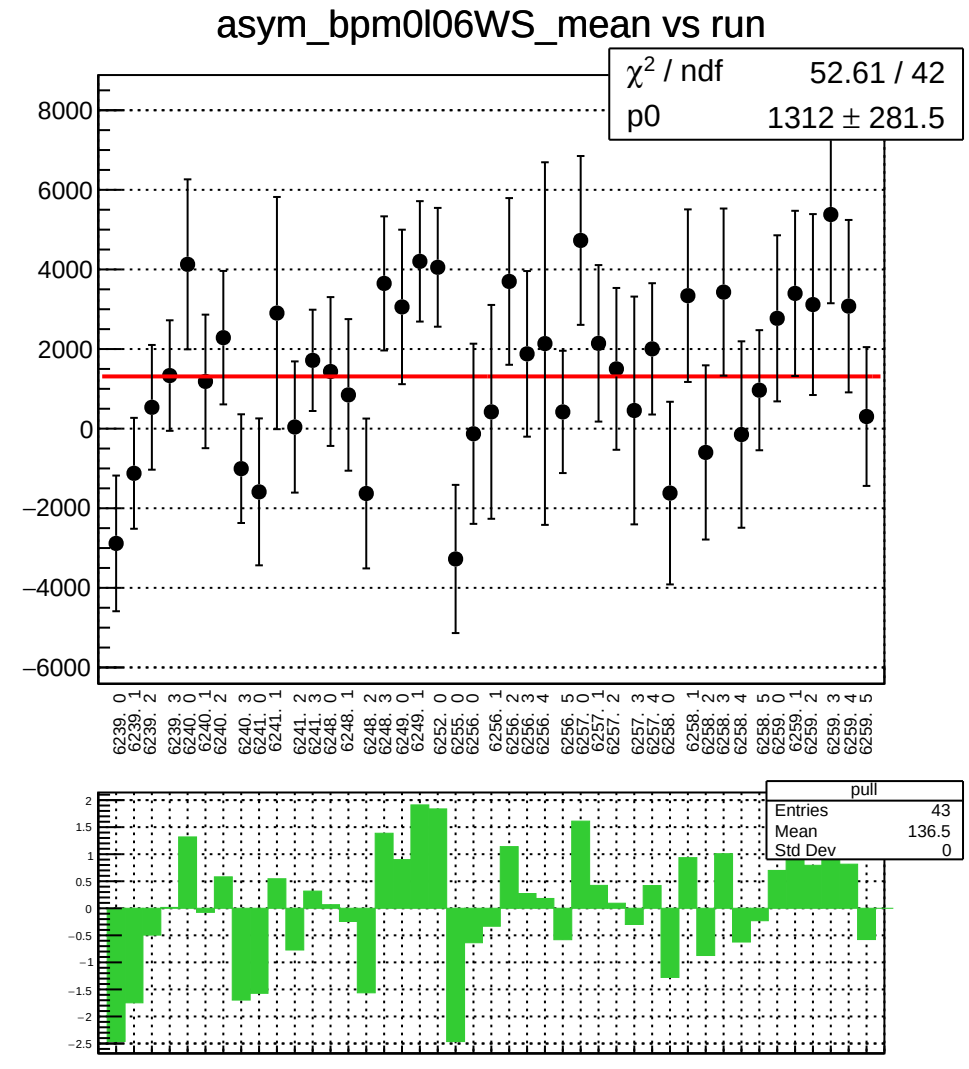

asym_bpm0l04WS_mean vs run
χ² / ndf 49.89 / 42
p0 1348 ± 285.4
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 239
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02085
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

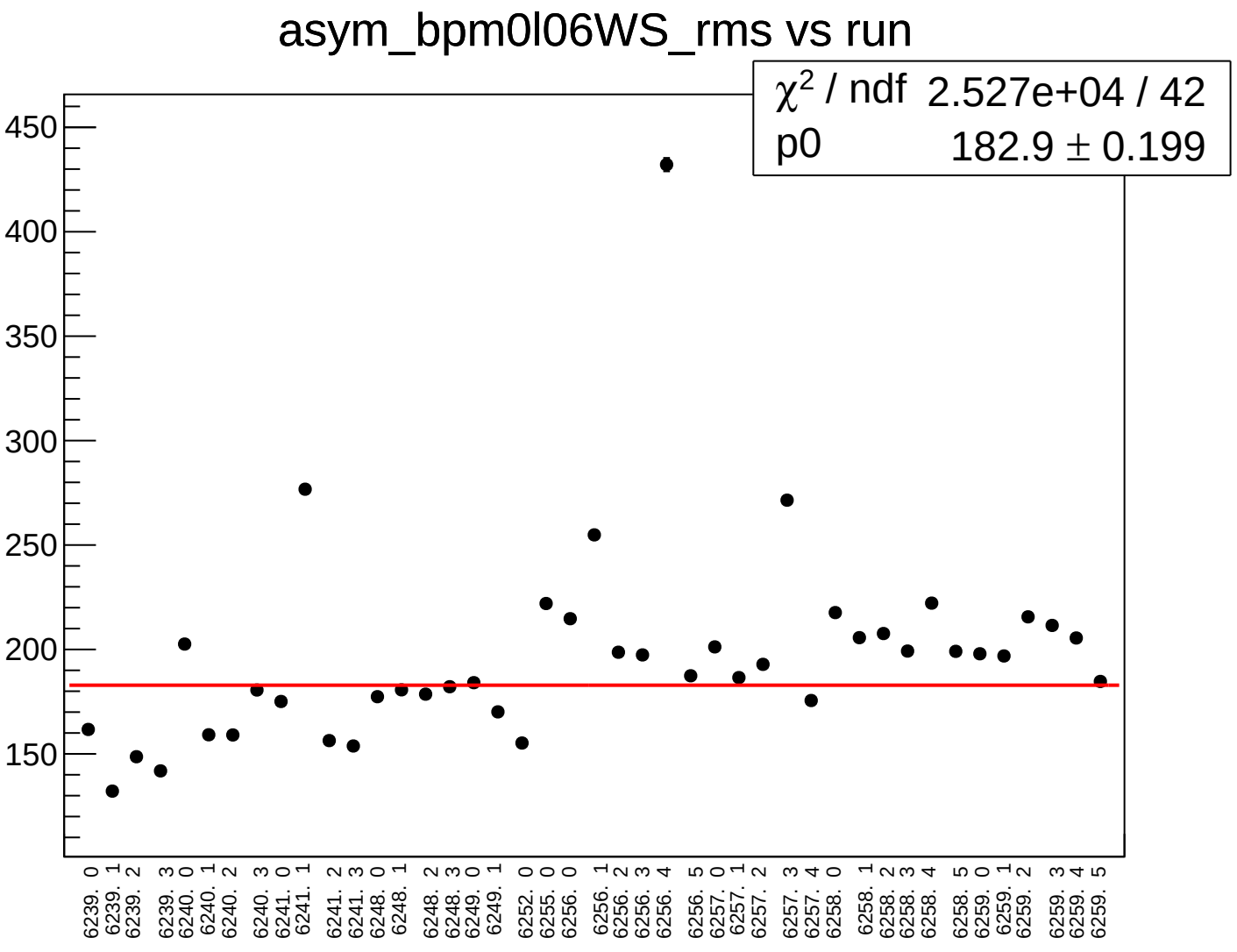

asym_bpm0l04WS_rms vs run
χ² / ndf 2.351e+04 / 42
p0 185.6 ± 0.2018
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

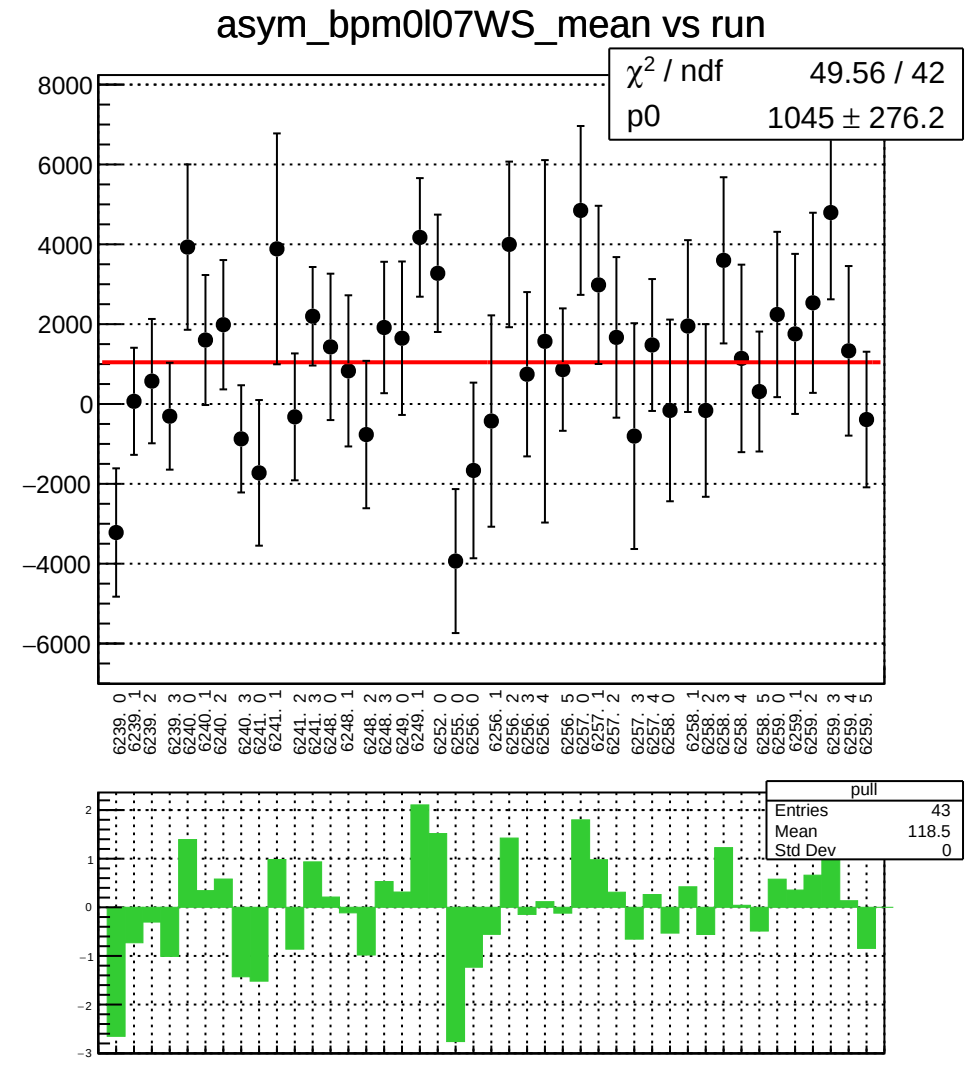

asym_bpm0l05WS_mean vs run
χ² / ndf 49.74 / 42
p0 1338 ± 289
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 151.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

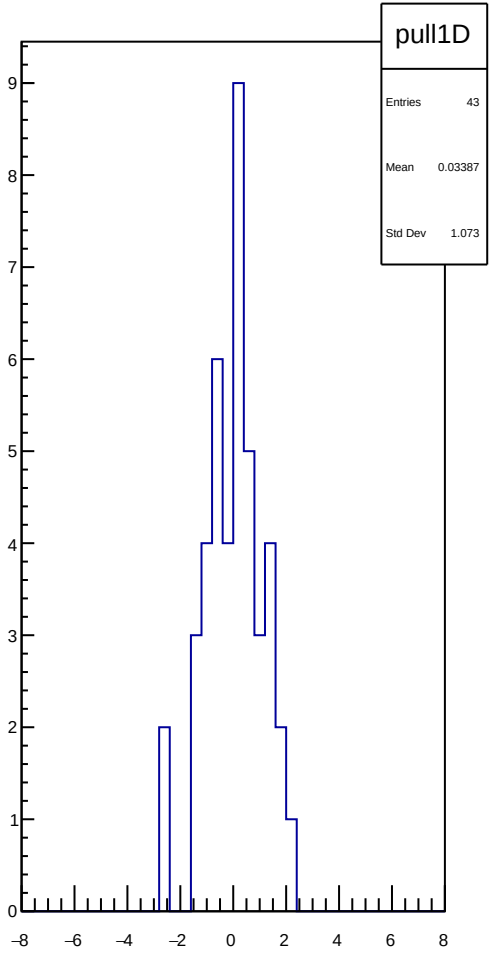

pull1D
Entries 43
Mean 0.03227
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

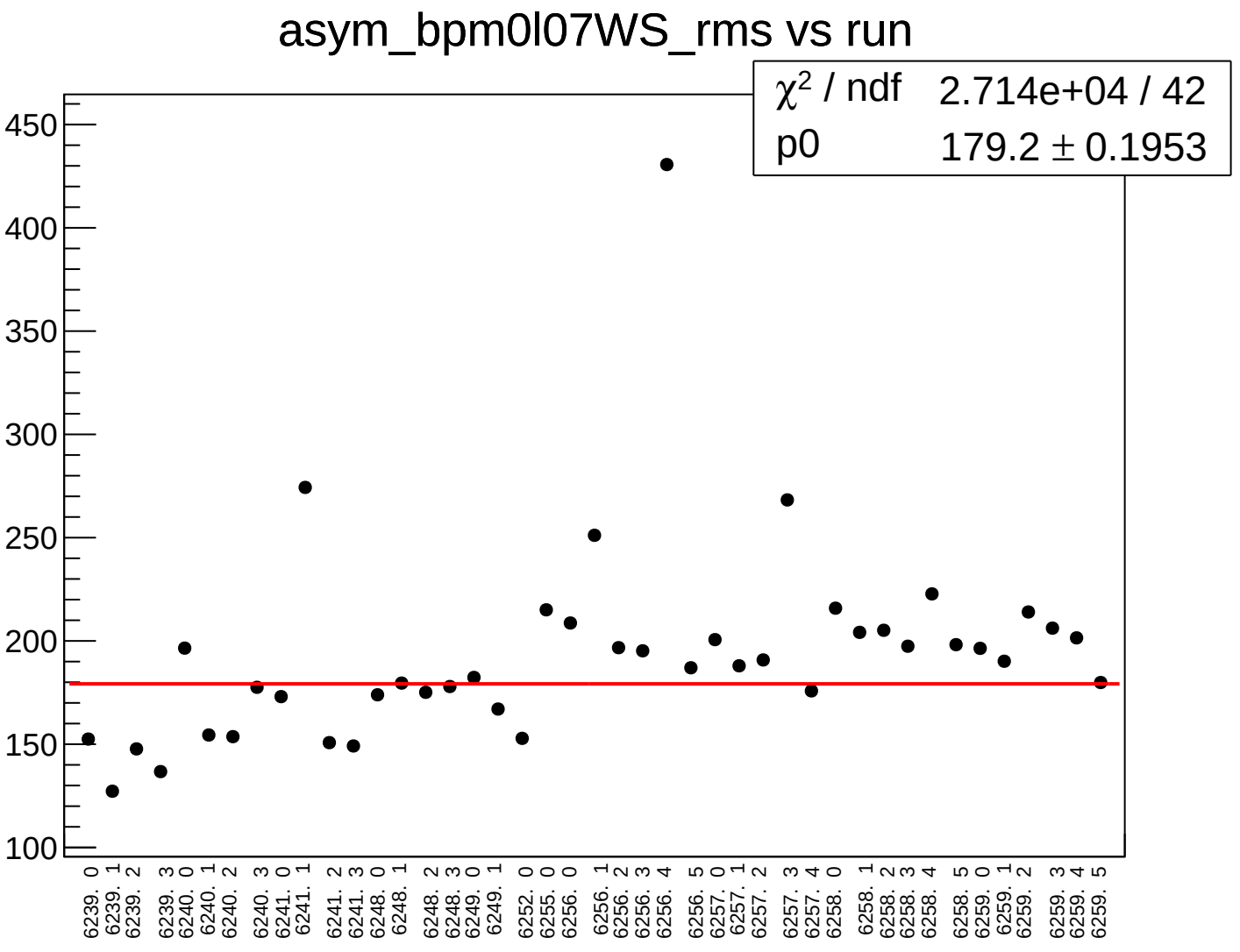

asym_bpm0l05WS_rms vs run
χ² / ndf 2.466e+04 / 42
p0 187.8 ± 0.2044
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

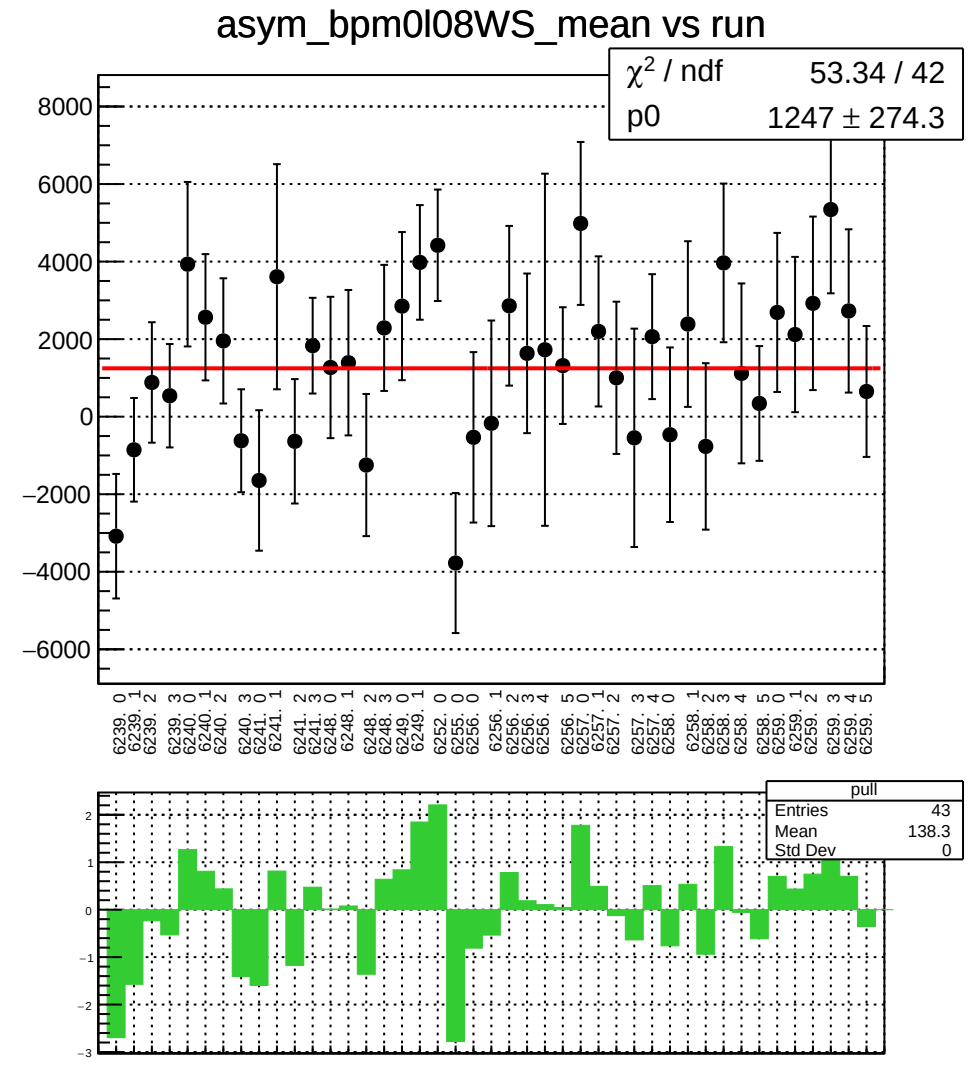

asym_bpm0l06WS_mean vs run
χ² / ndf 52.61 / 42
p0 1312 ± 281.5
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 136.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03692
Std Dev 1.105
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

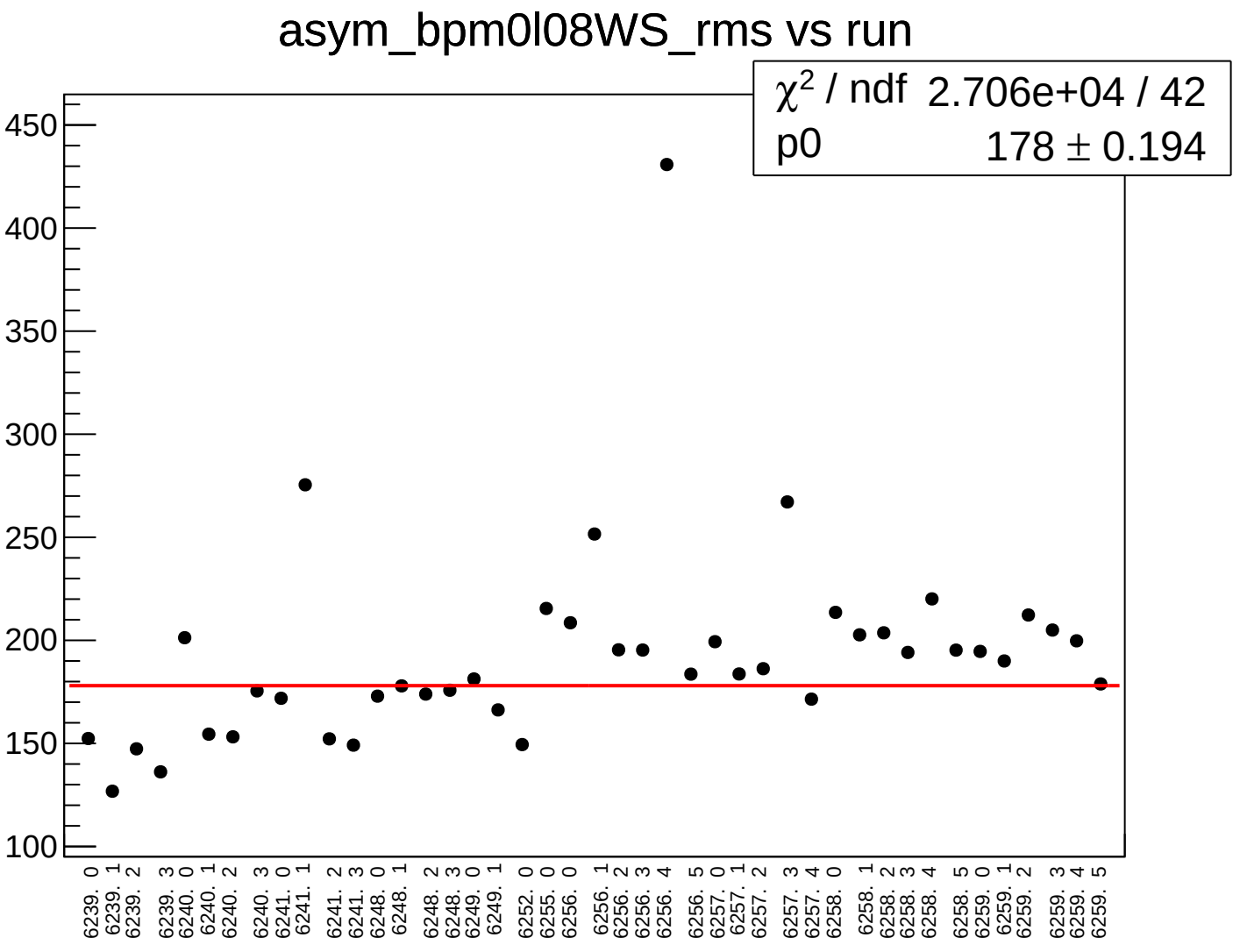

asym_bpm0l06WS_rms vs run
χ² / ndf 2.527e+04 / 42
p0 182.9 ± 0.199
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

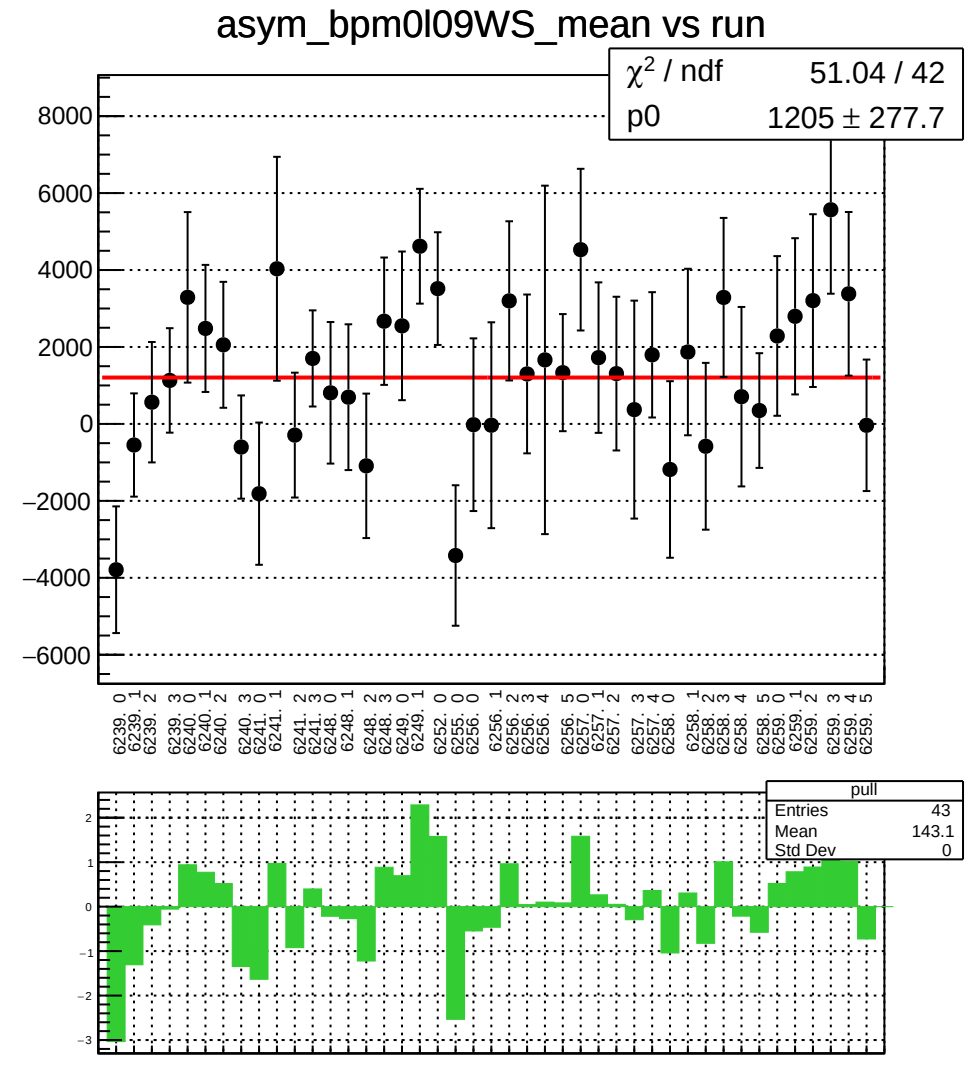

asym_bpm0l07WS_mean vs run
χ² / ndf 49.56 / 42
p0 1045 ± 276.2
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 118.5
Std Dev 0
2
1
0
−1
−2
−3

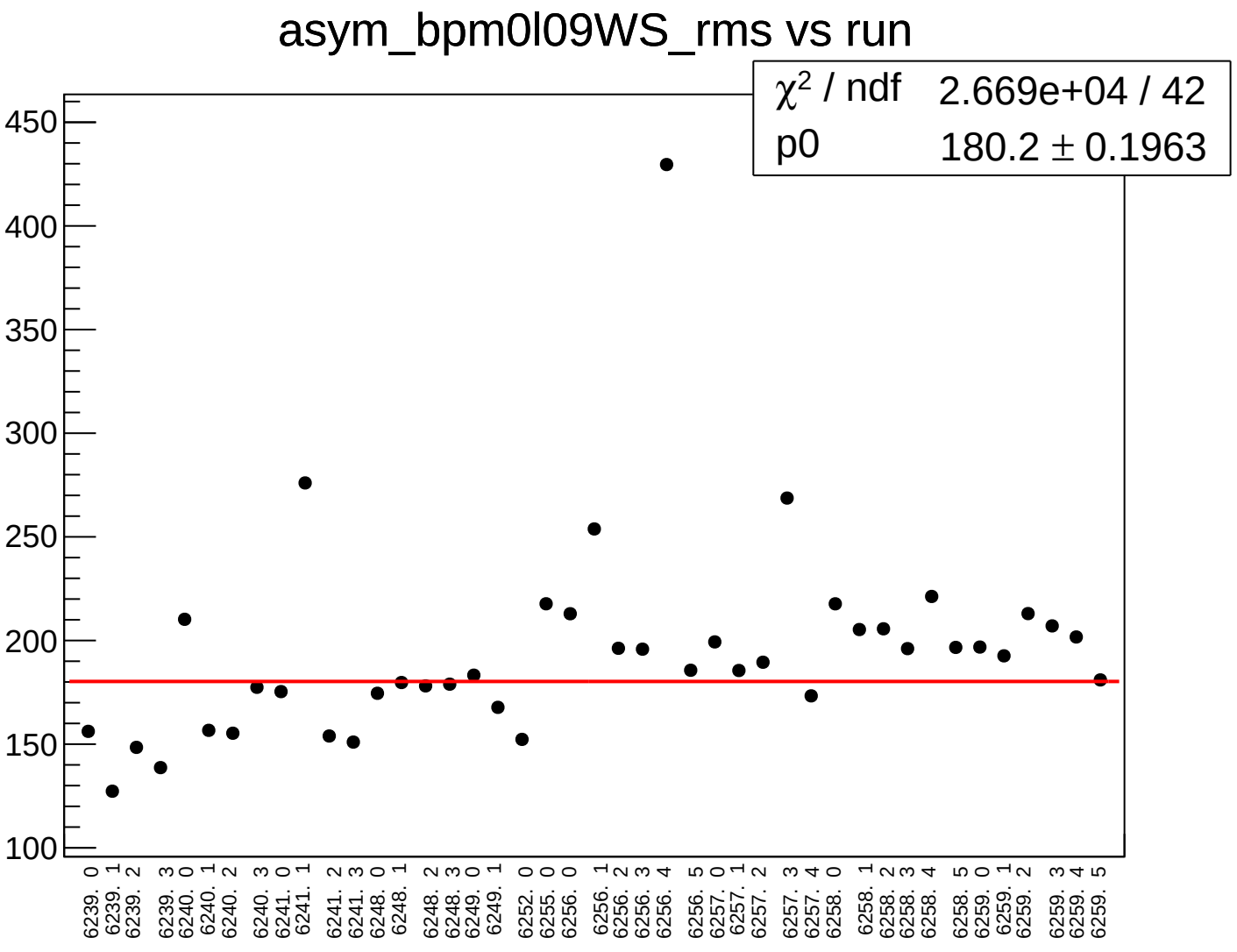

pull1D
Entries 43
Mean 0.03387
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

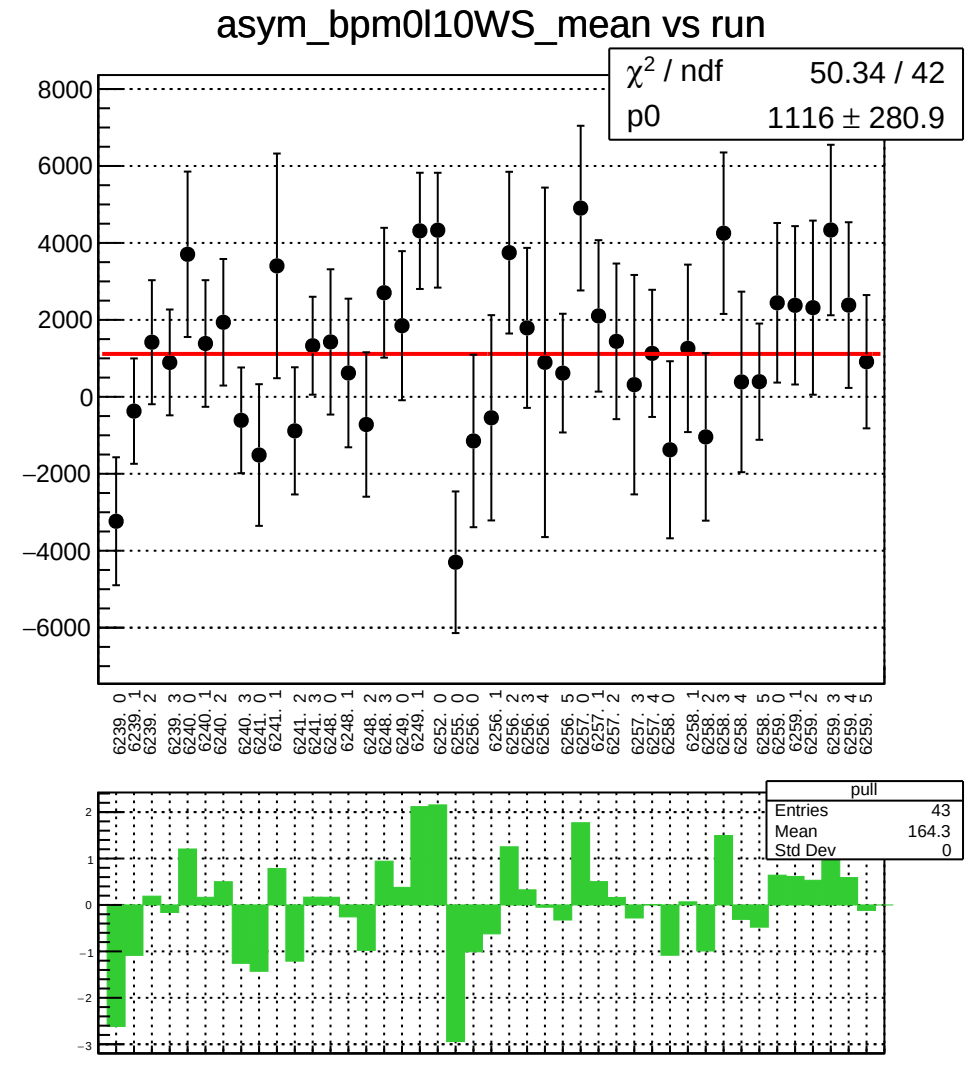

asym_bpm0l07WS_rms vs run
χ² / ndf 2.714e+04 / 42
p0 179.2 ± 0.1953
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

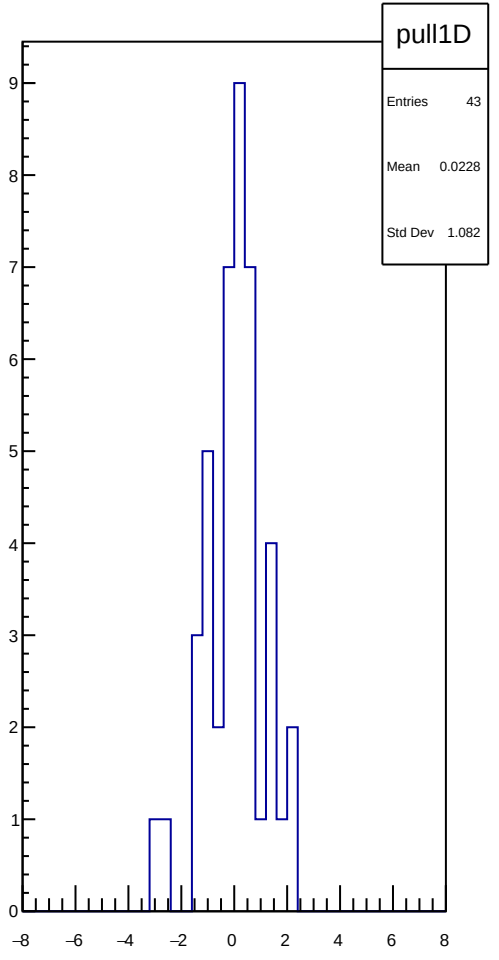

asym_bpm0l08WS_mean vs run
χ² / ndf 53.34 / 42
p0 1247 ± 274.3
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 138.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0347
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

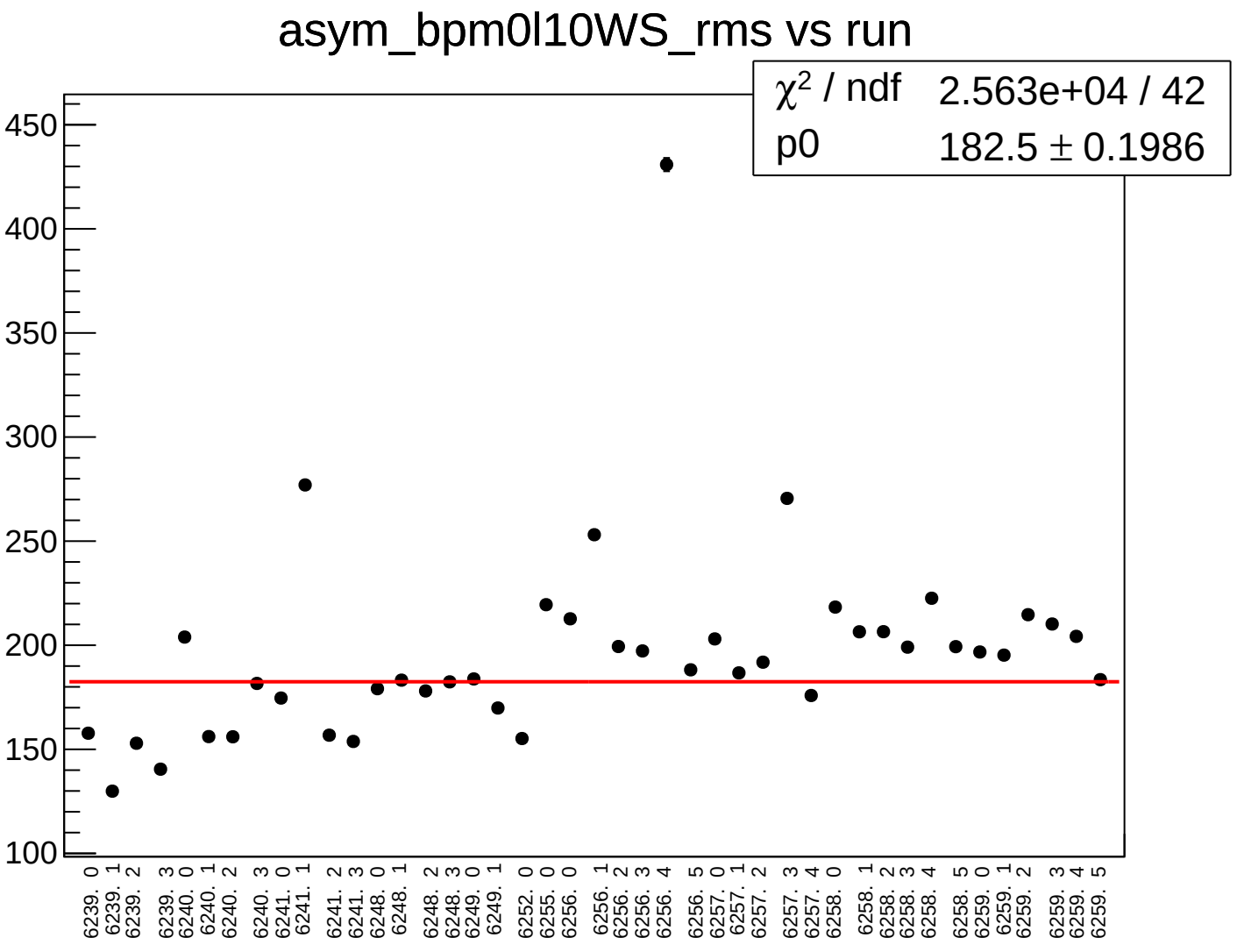

asym_bpm0l08WS_rms vs run
χ² / ndf 2.706e+04 / 42
p0 178 ± 0.194
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

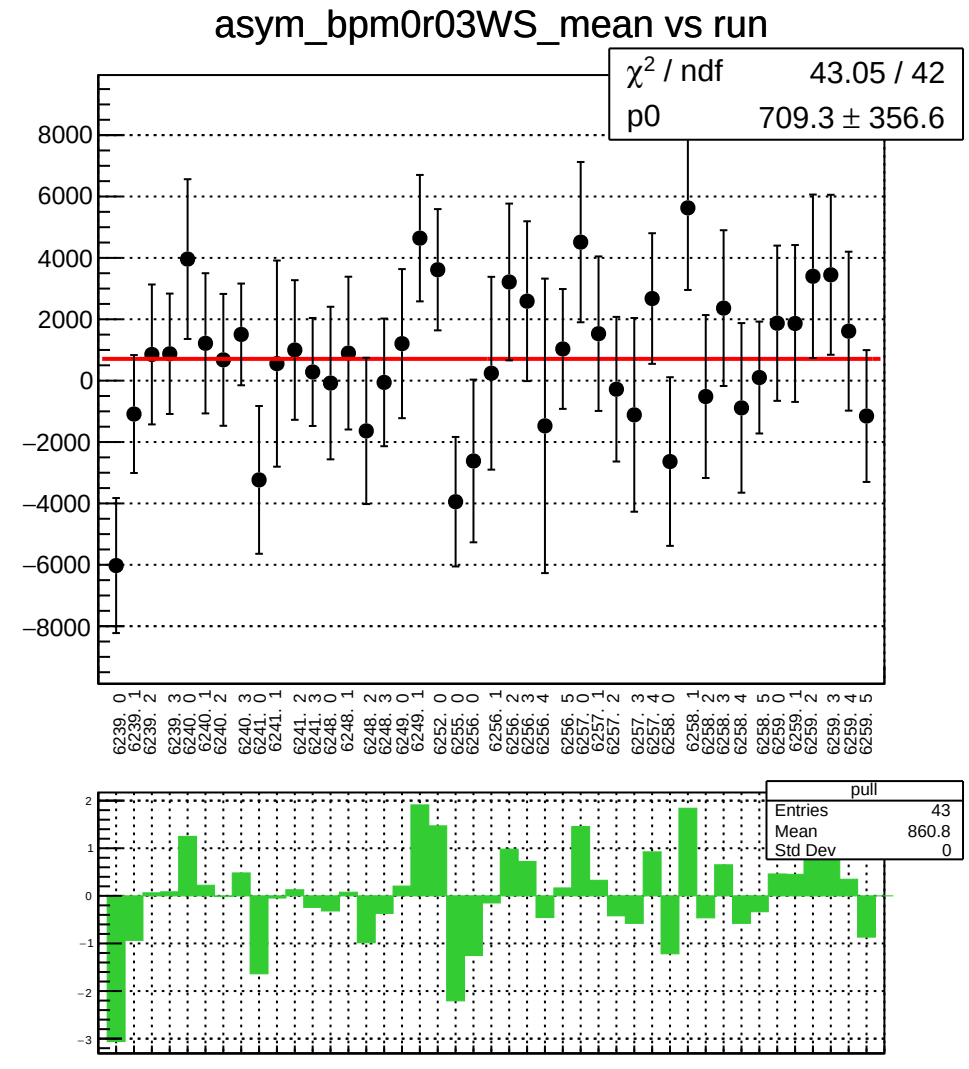

asym_bpm0l09WS_mean vs run
χ² / ndf 51.04 / 42
p0 1205 ± 277.7
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 143.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03262
Std Dev 1.089
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

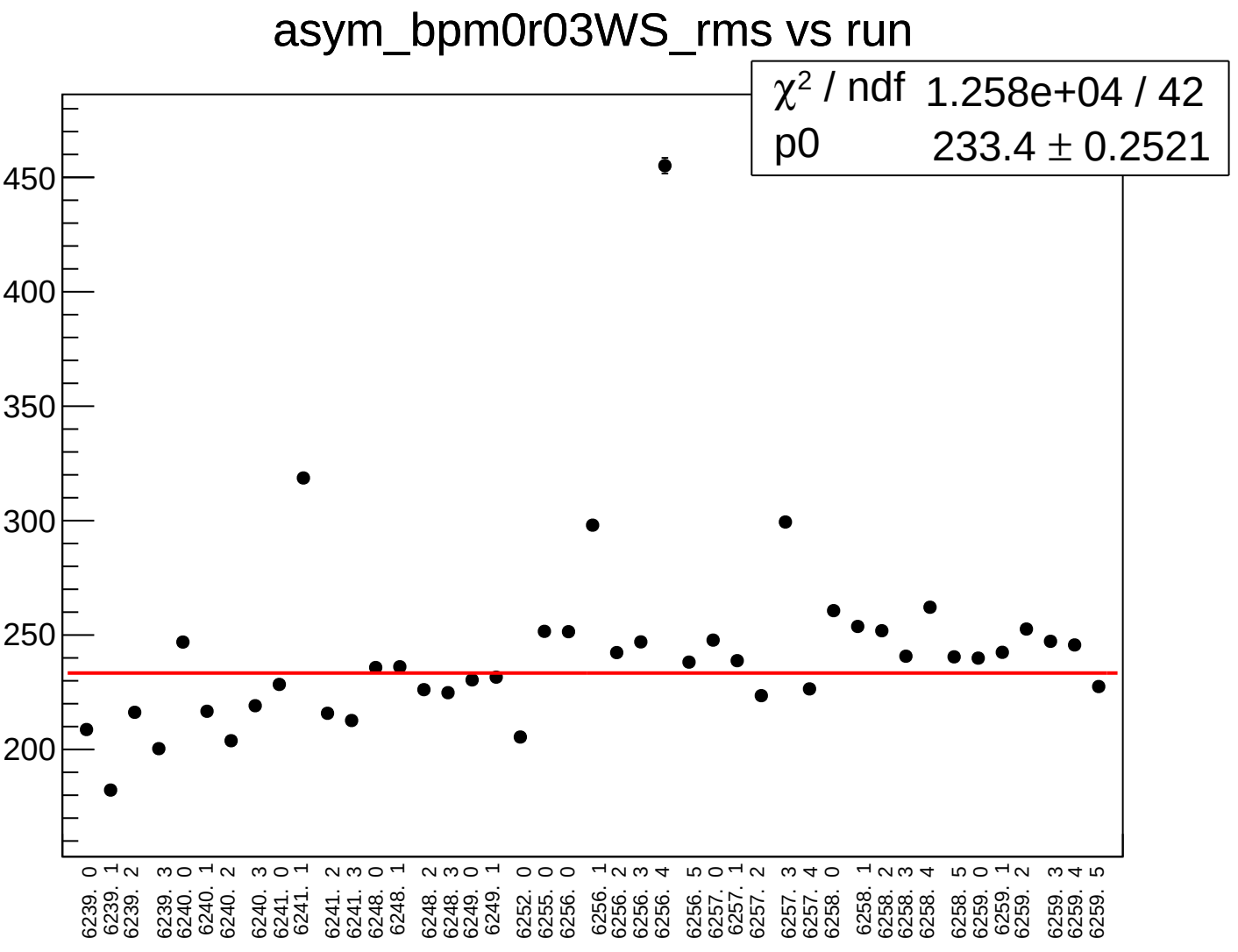

asym_bpm0l09WS_rms vs run
χ² / ndf 2.669e+04 / 42
p0 180.2 ± 0.1963
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

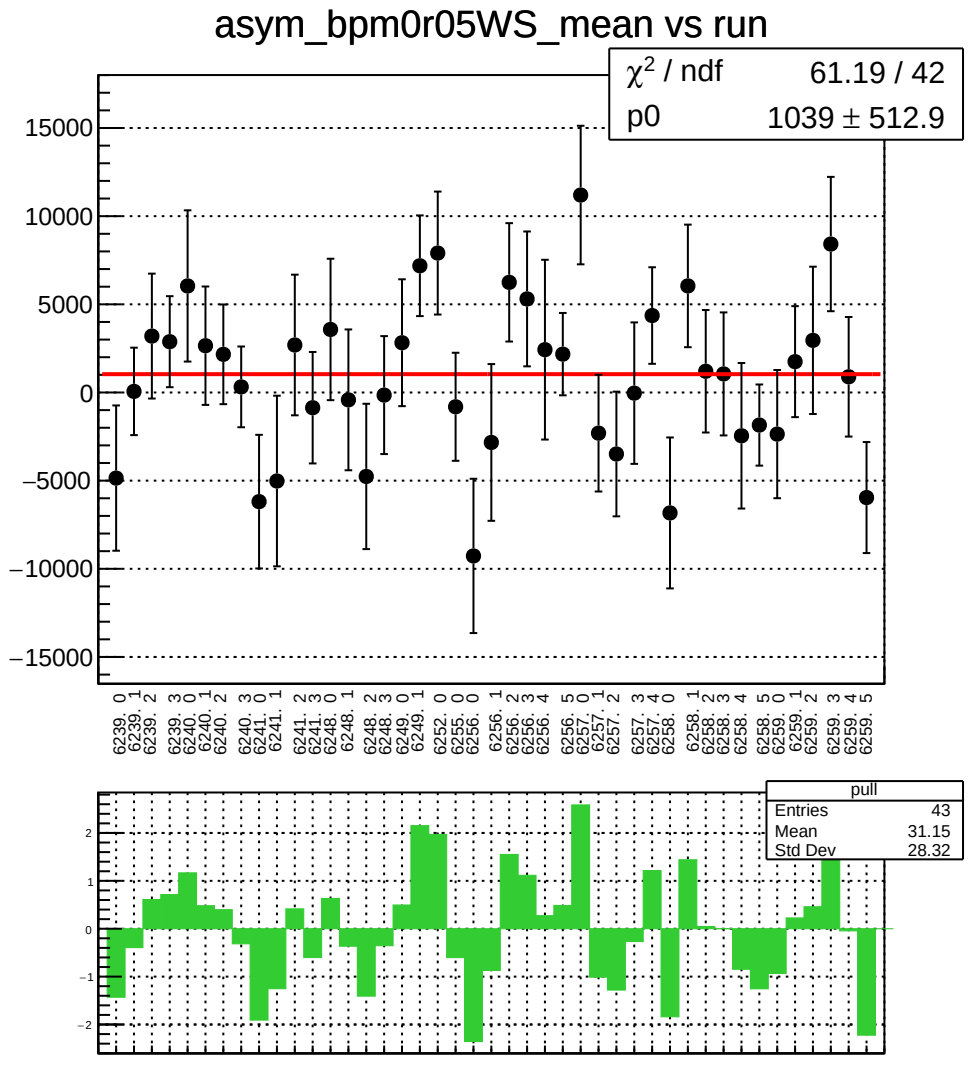

asym_bpm0l10WS_mean vs run
χ² / ndf 50.34 / 42
p0 1116 ± 280.9
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 164.3
Std Dev 0
2
1
0
−1
−2
−3

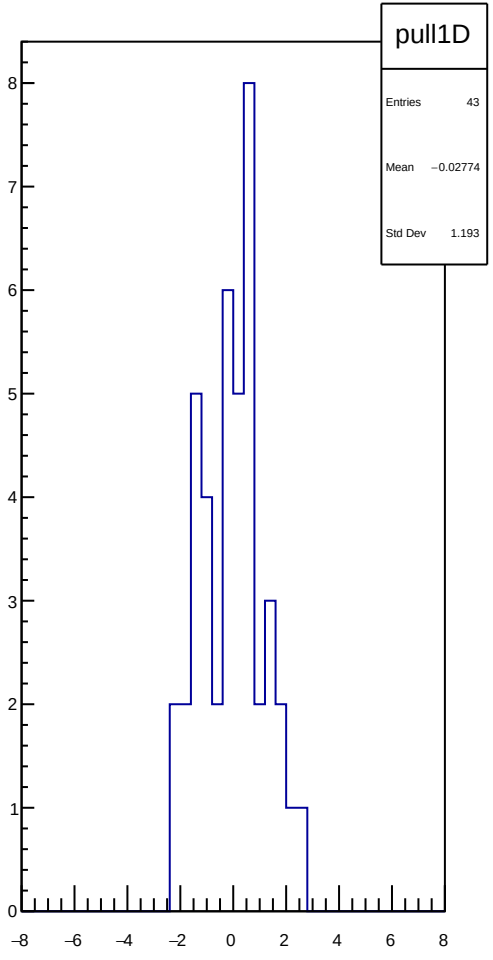

pull1D
Entries 43
Mean 0.0228
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

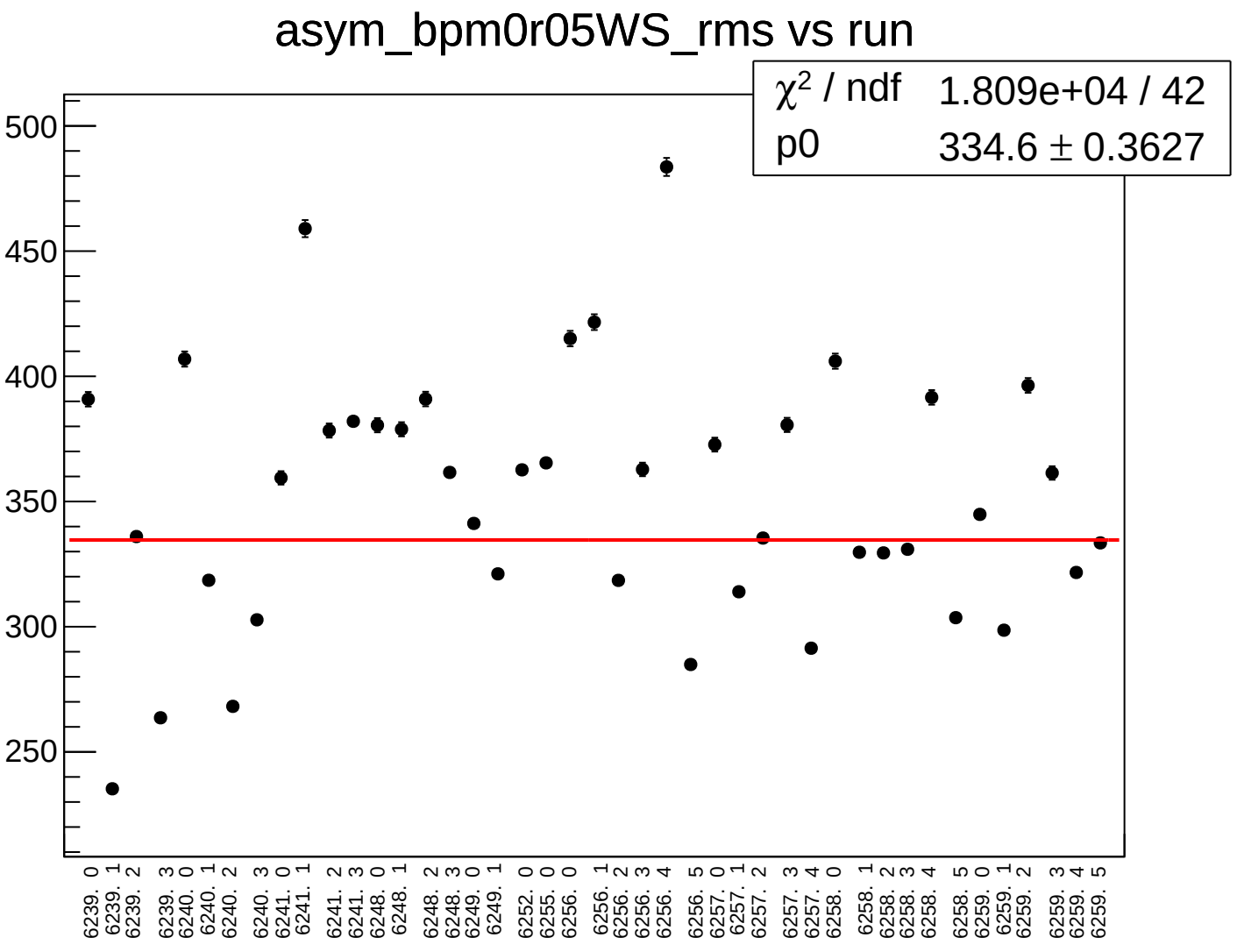

asym_bpm0l10WS_rms vs run
χ² / ndf 2.563e+04 / 42
p0 182.5 ± 0.1986
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

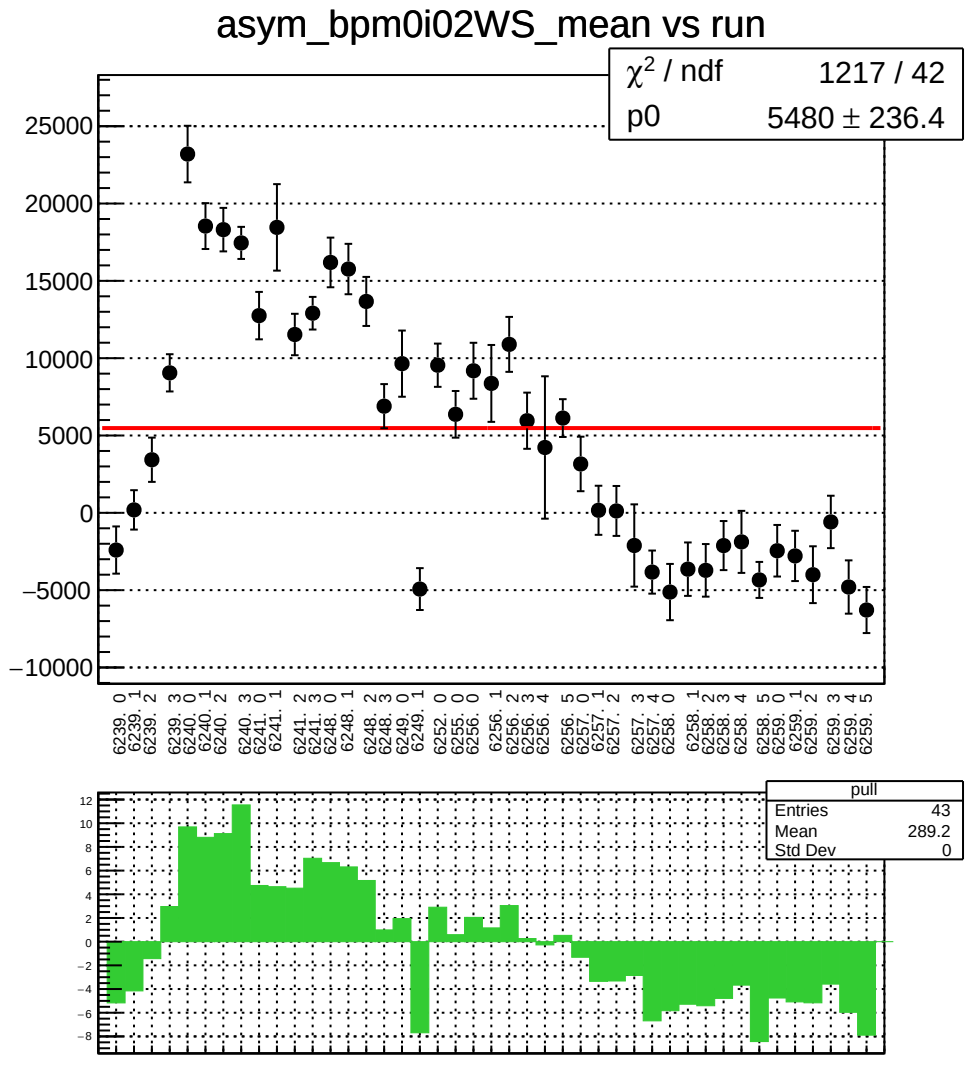

asym_bpm0r03WS_mean vs run
χ² / ndf 43.05 / 42
p0 709.3 ± 356.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 860.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.003528
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

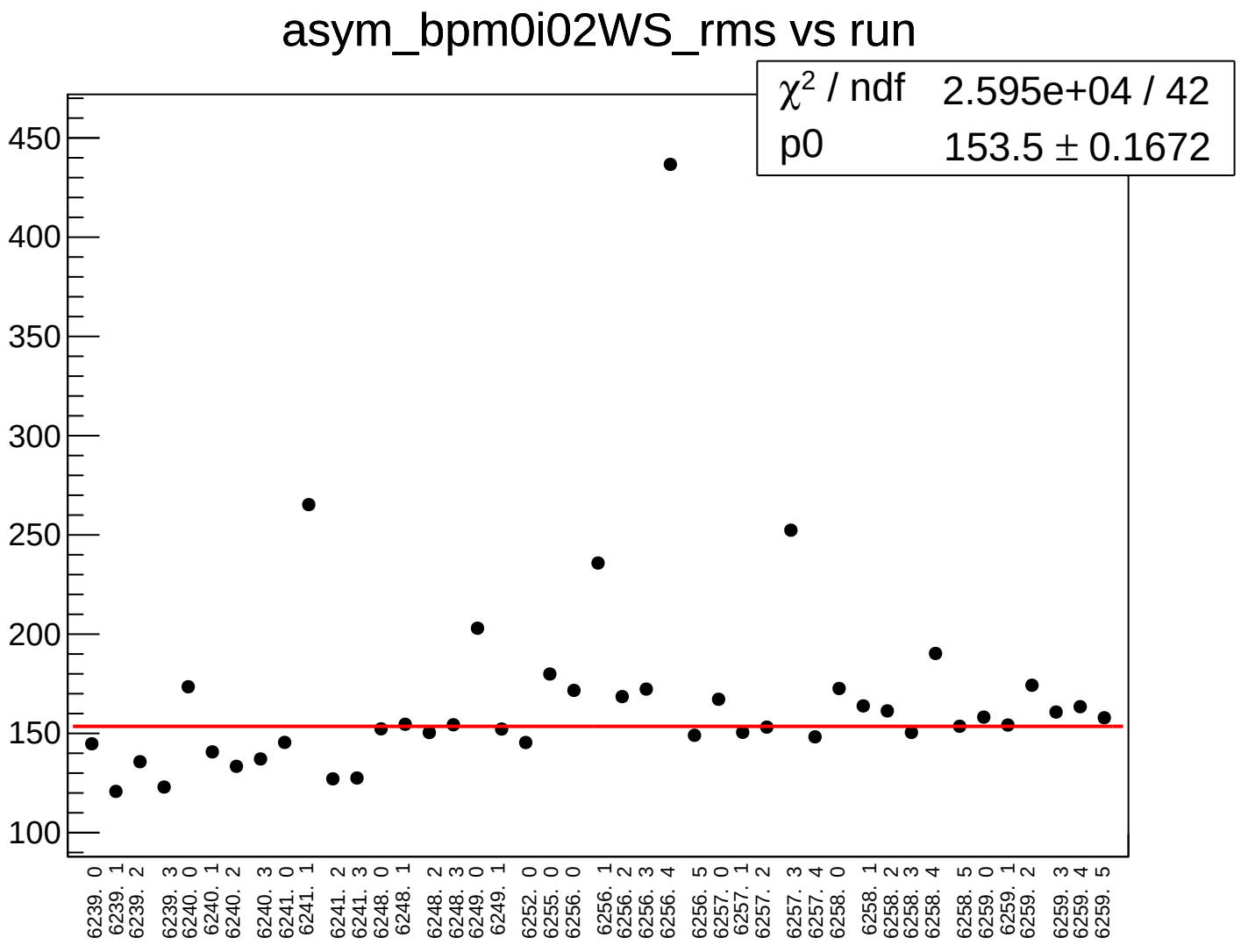

asym_bpm0r03WS_rms vs run
χ² / ndf 1.258e+04 / 42
p0 233.4 ± 0.2521
450
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

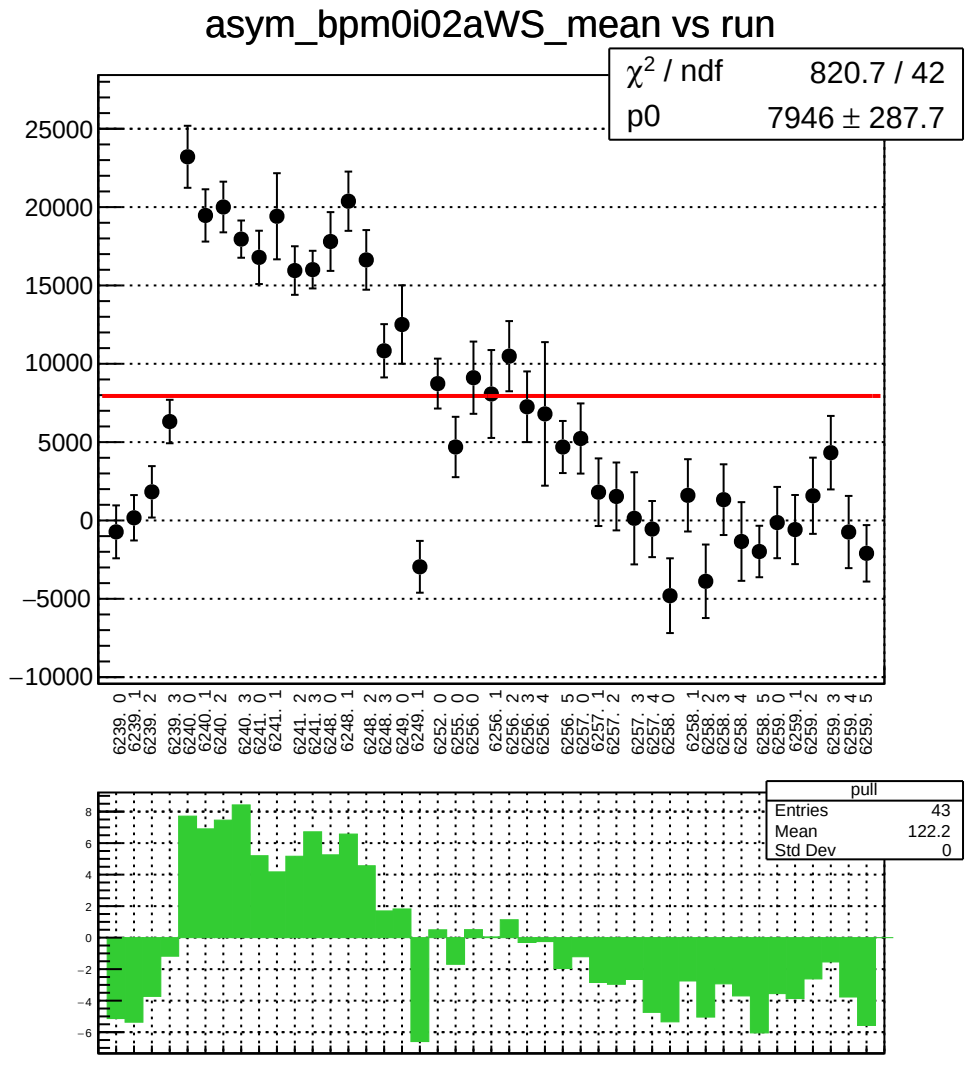

asym_bpm0r05WS_mean vs run
χ² / ndf 61.19 / 42
p0 1039 ± 512.9
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.15
Std Dev 28.32
2
1
0
−1
−2

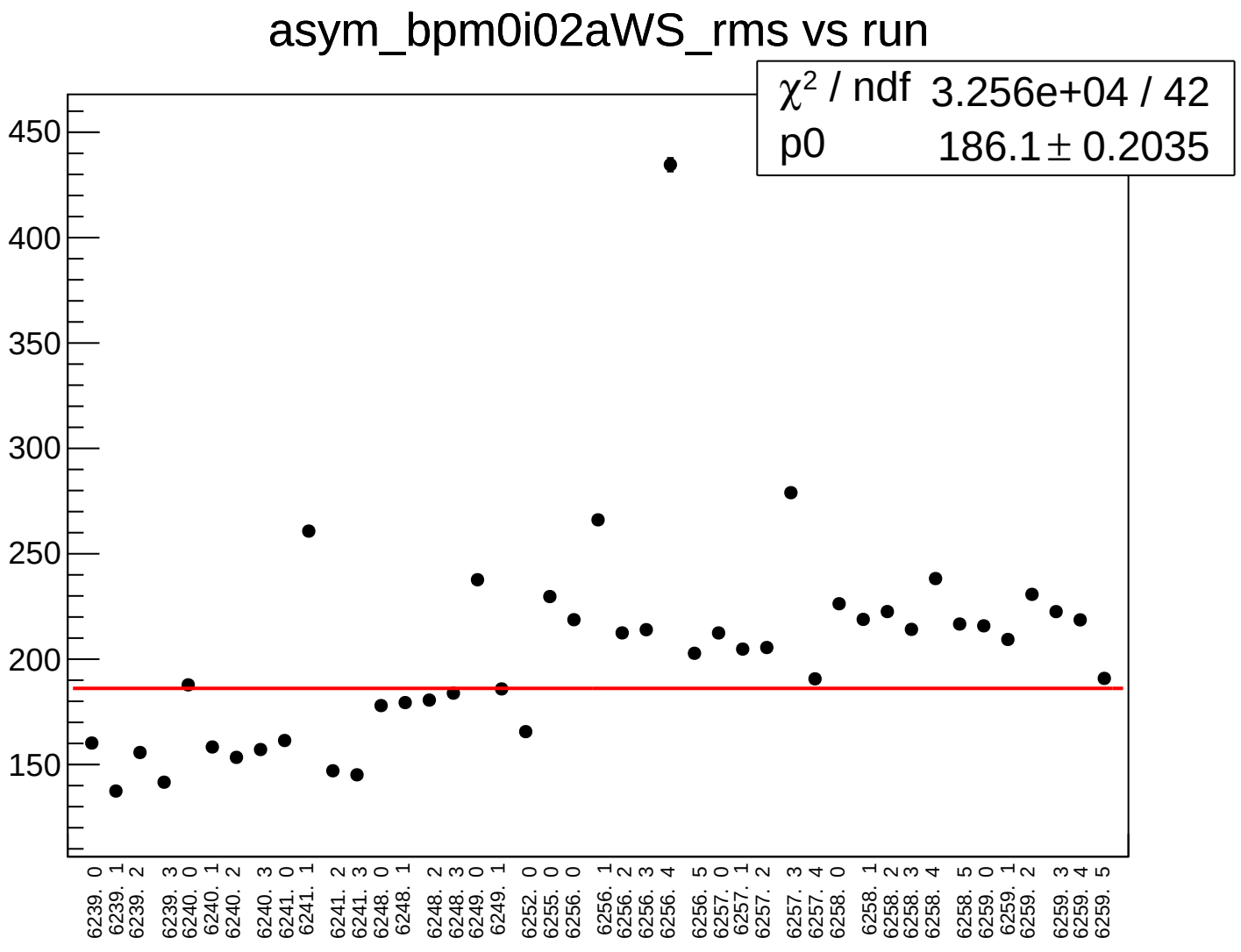

pull1D
Entries 43
Mean −0.02774
Std Dev 1.193
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

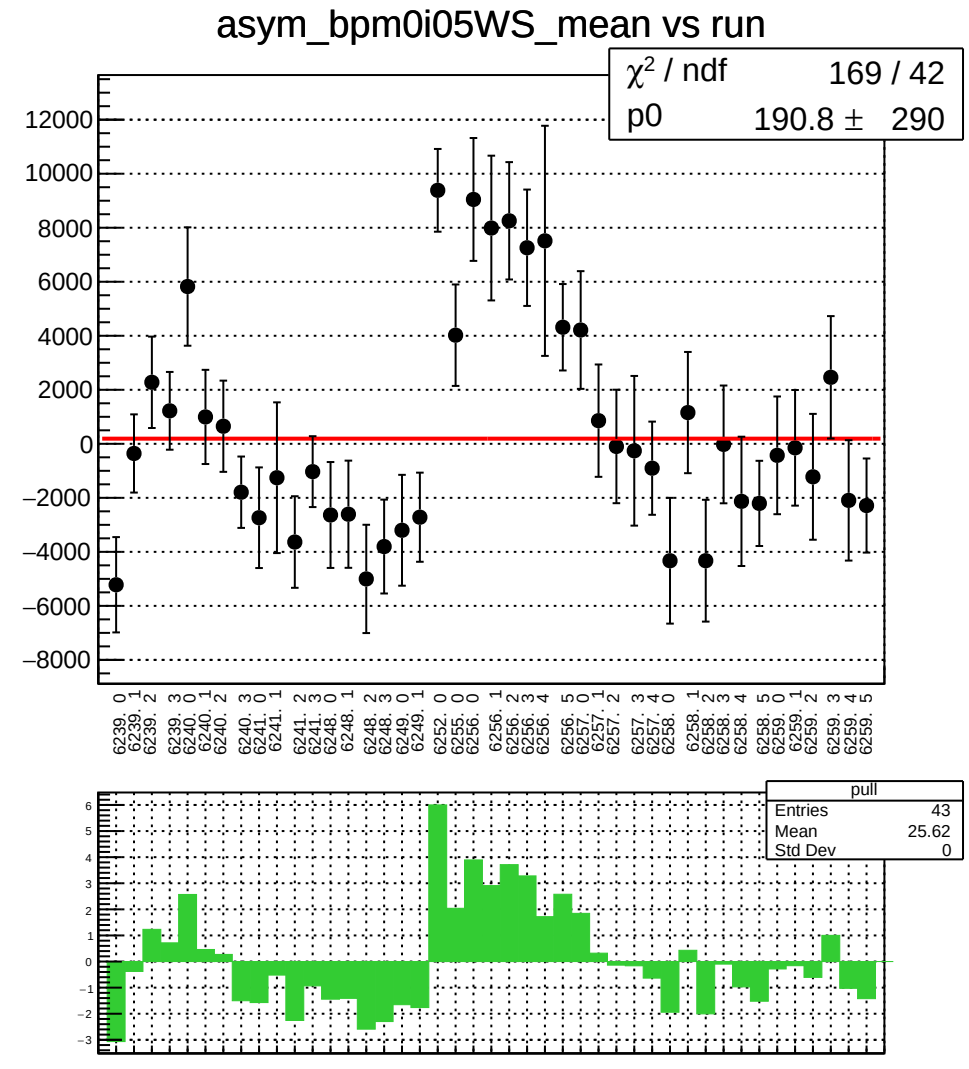

asym_bpm0r05WS_rms vs run
χ² / ndf 1.809e+04 / 42
p0 334.6 ± 0.3627
500
450
400
350
300
250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

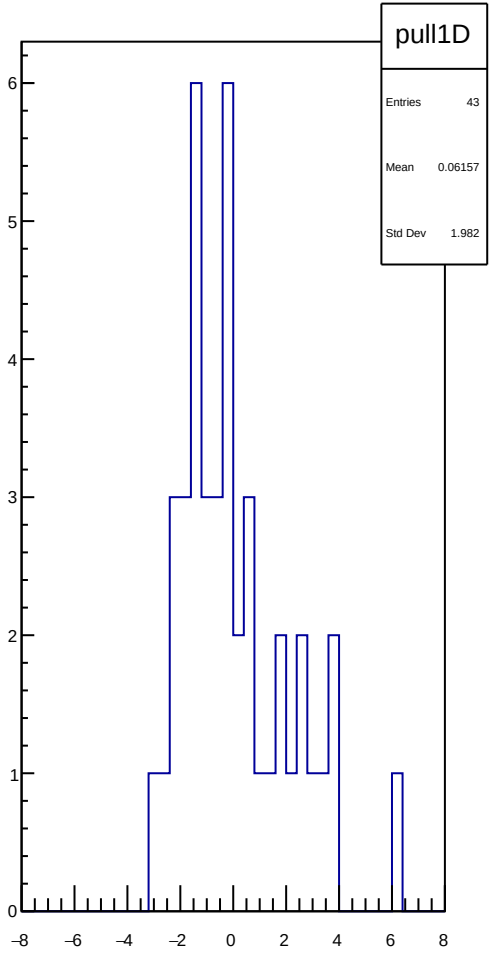

asym_bpm0i02WS_mean vs run
χ² / ndf 1217 / 42
p0 5480 ± 236.4
25000
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 289.2
Std Dev 0
12
10
8
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 43
Mean −1.003
Std Dev 4.352
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

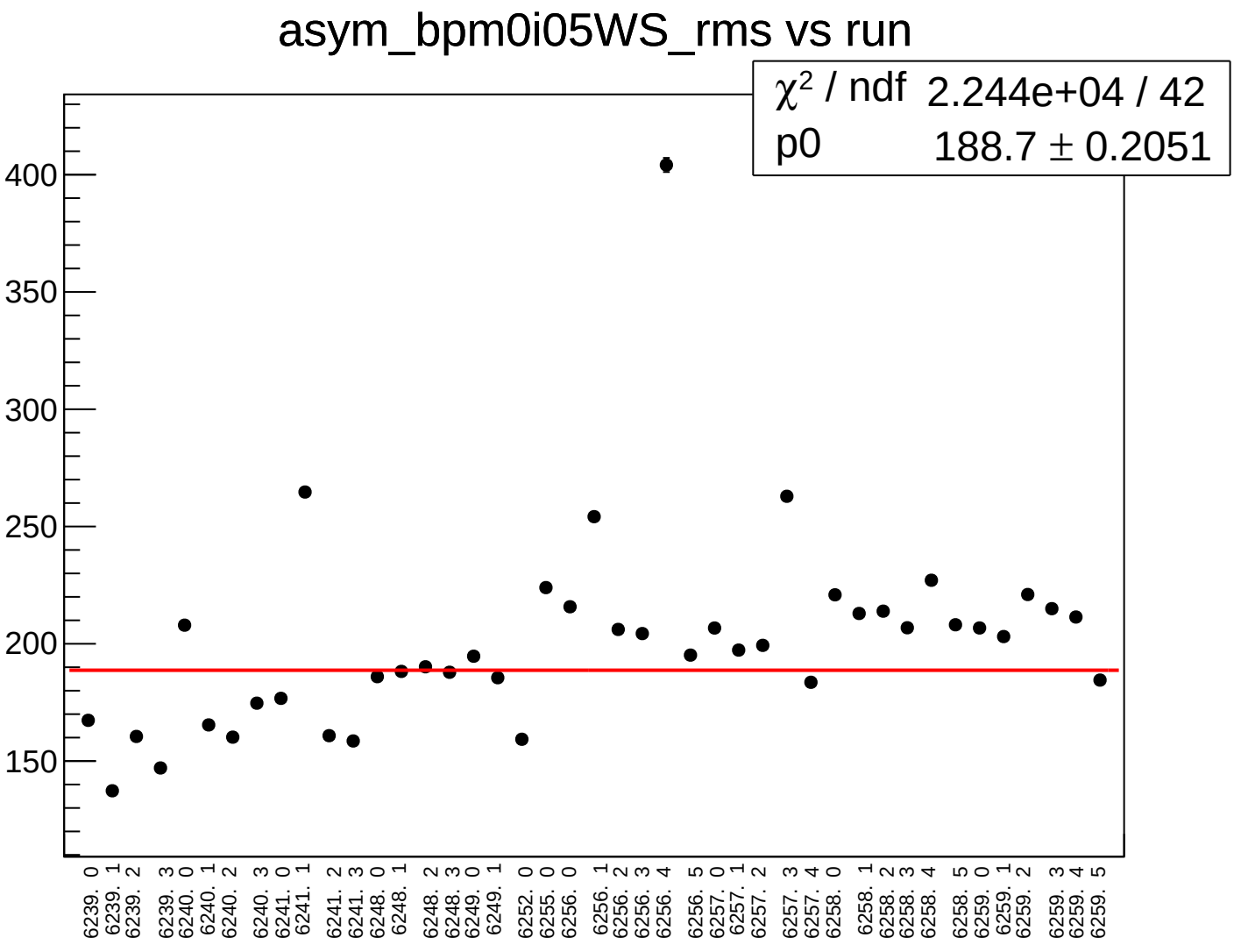

asym_bpm0i02WS_rms vs run
χ² / ndf 2.595e+04 / 42
p0 153.5 ± 0.1672
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

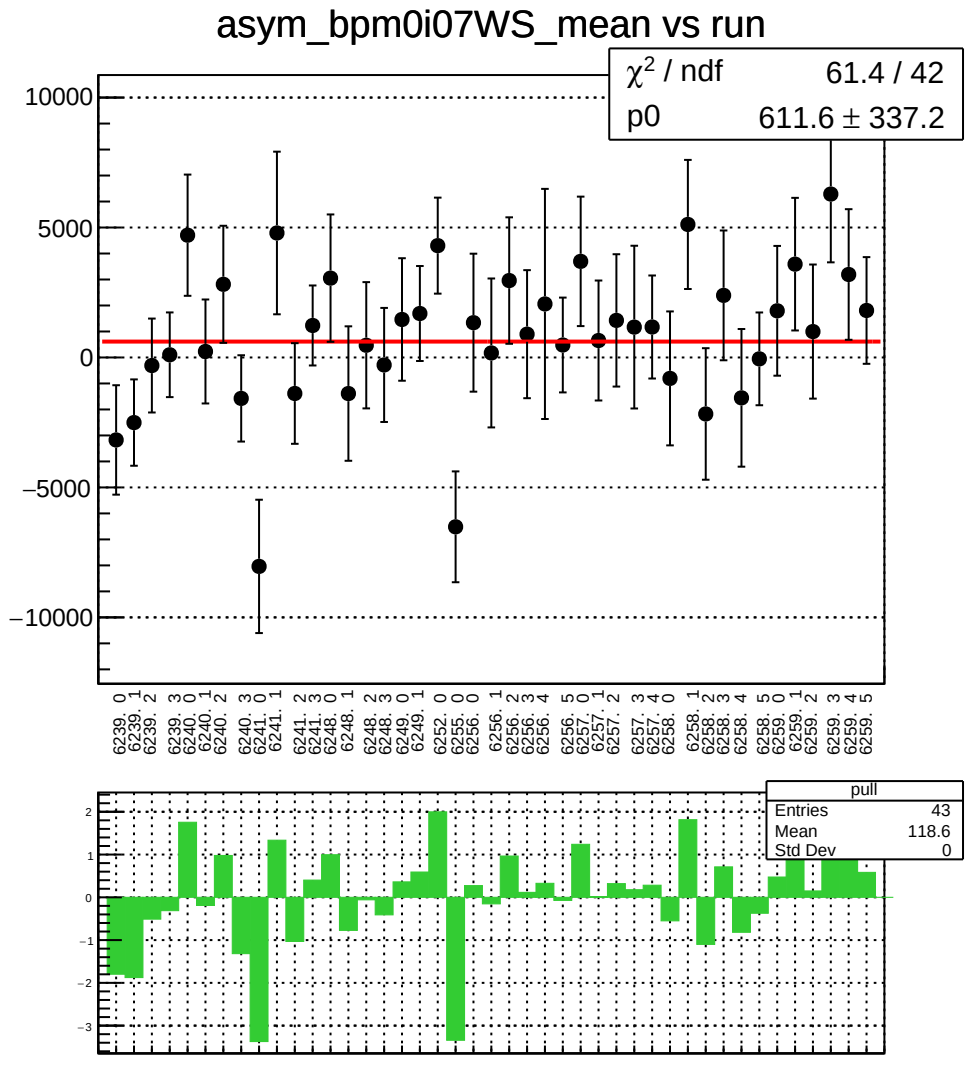

asym_bpm0i02aWS_mean vs run
χ² / ndf 820.7 / 42
p0 7946 ± 287.7
25000
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 122.2
Std Dev 0
8
6
4
2
0
−2
−4
−6
pull1D
Entries 43
Mean −0.5223
Std Dev 4.193
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

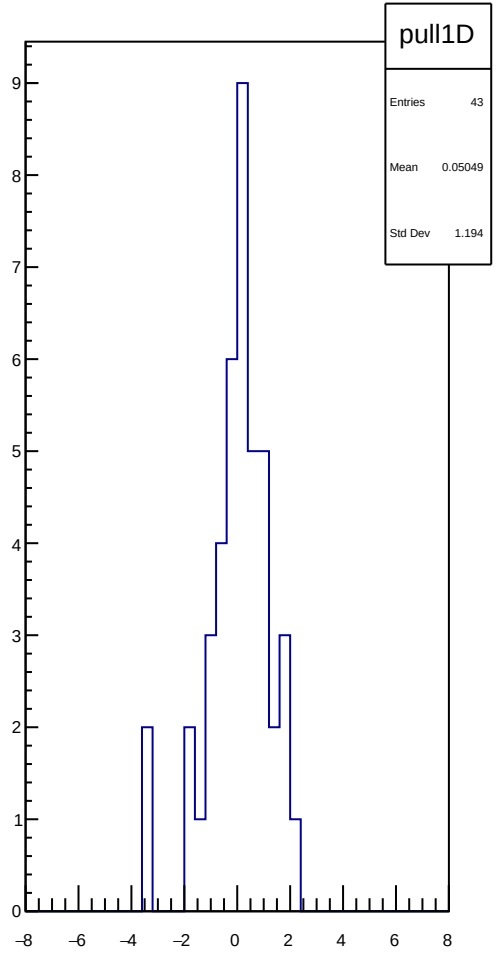

asym_bpm0i02aWS_rms vs run
χ² / ndf 3.256e+04 / 42
p0 186.1 ± 0.2035
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

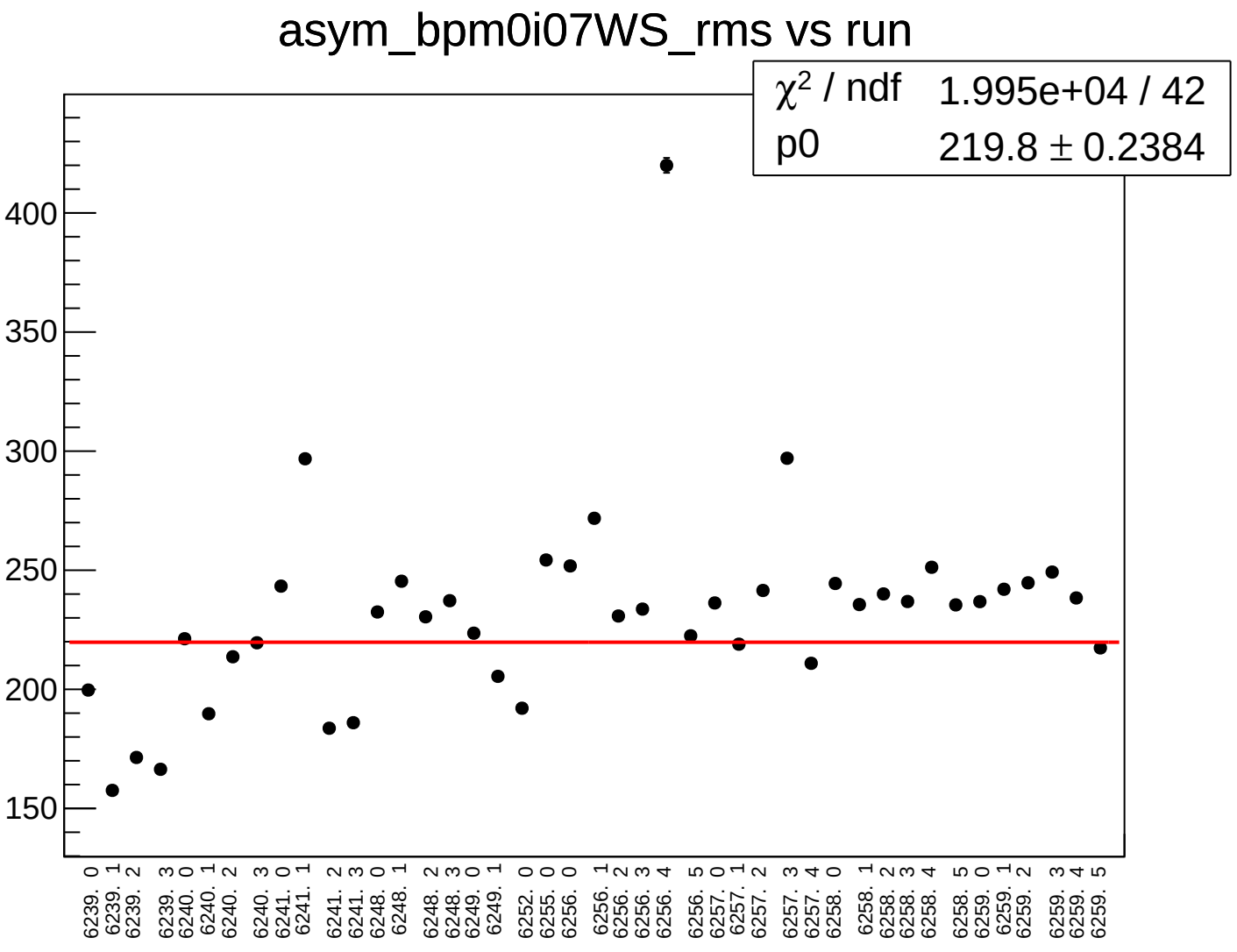

asym_bpm0i05WS_mean vs run
χ² / ndf 169 / 42
p0 190.8 ± 290
pull
Entries 43
Mean 25.62
Std Dev 0

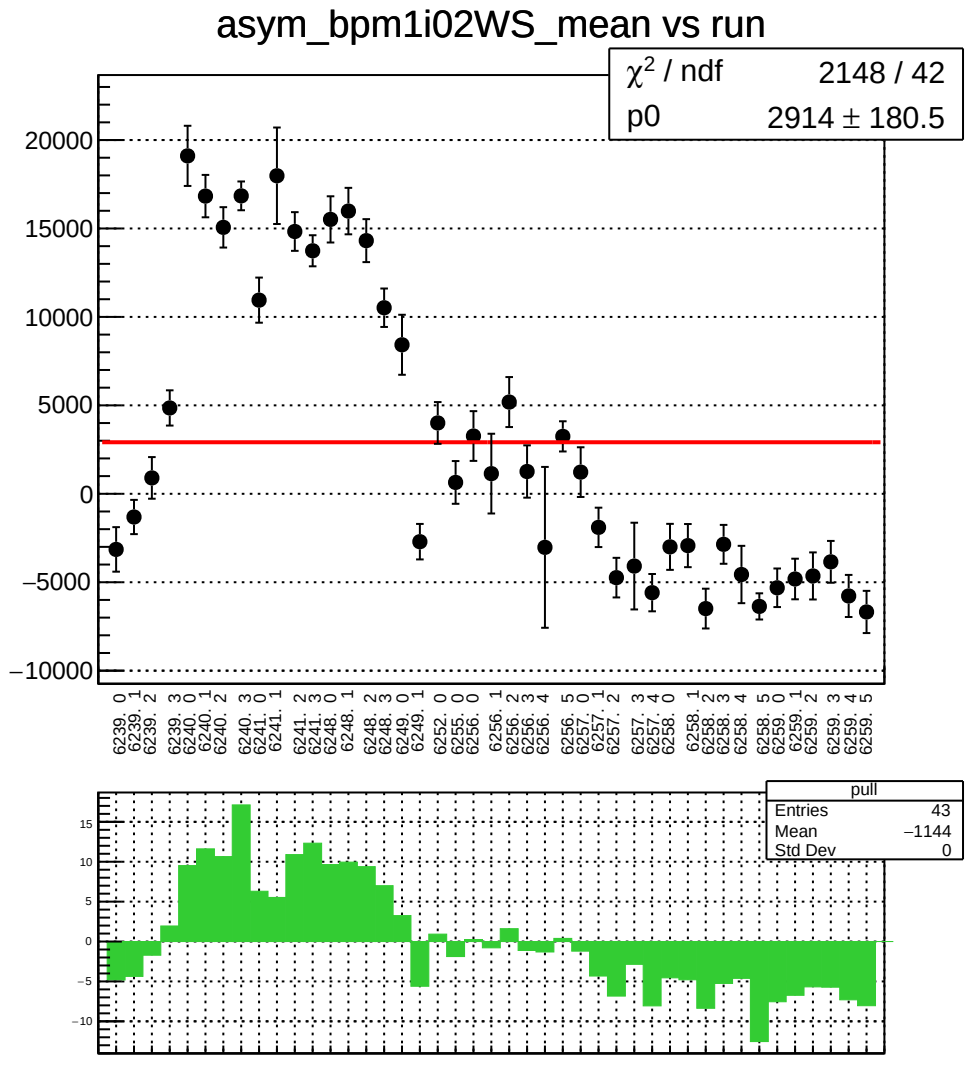

pull1D
Entries 43
Mean 0.06157
Std Dev 1.982

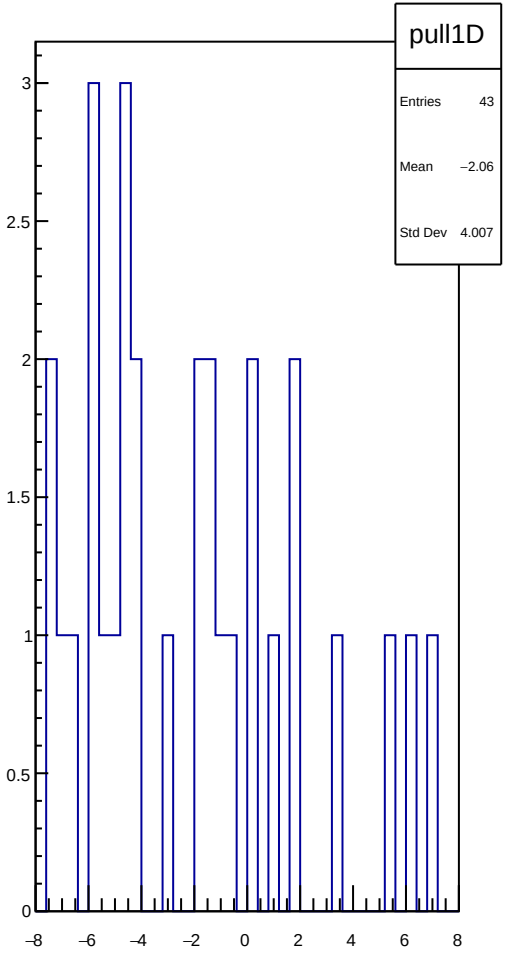

asym_bpm0i05WS_rms vs run
χ² / ndf 2.244e+04 / 42
p0 188.7 ± 0.2051
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

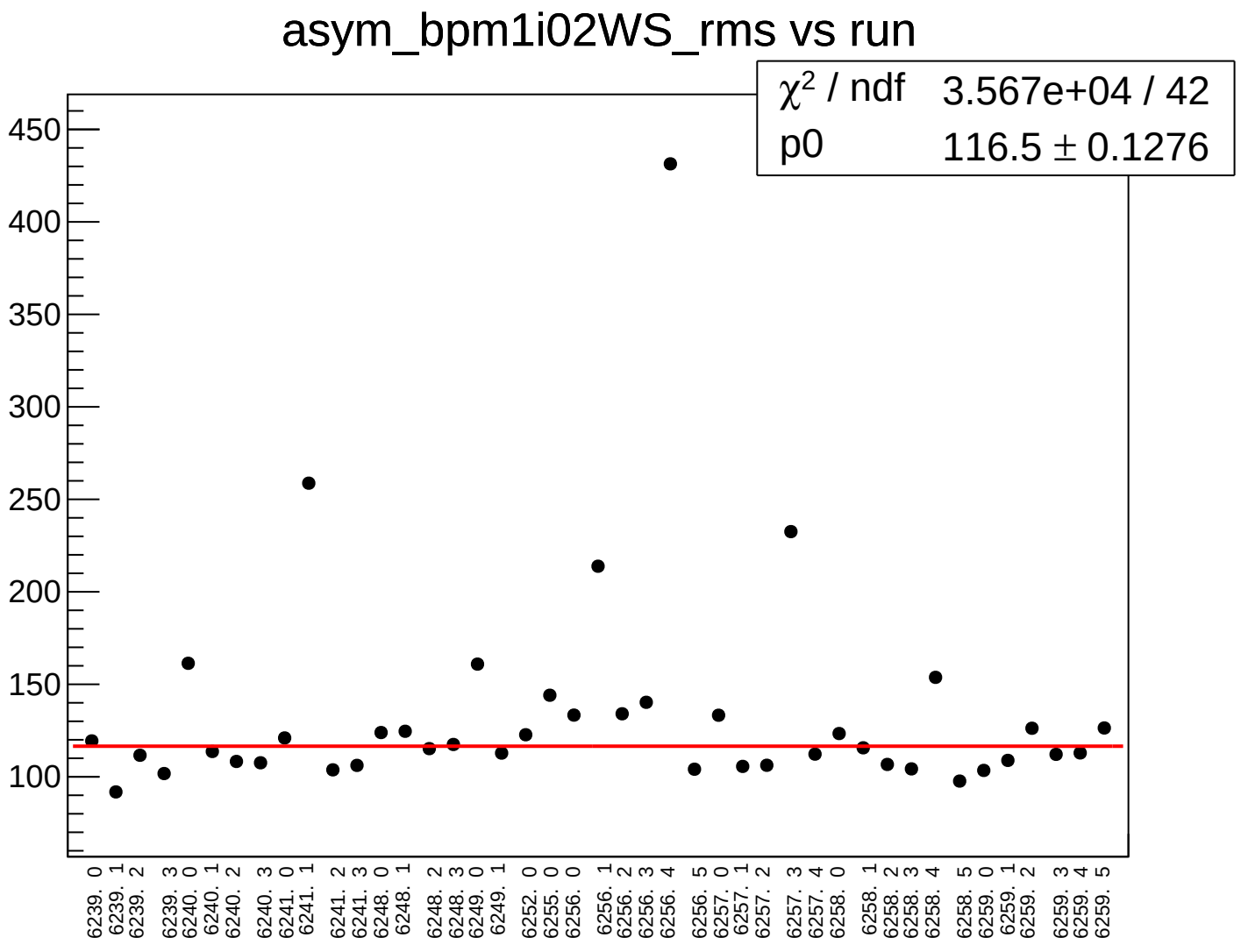

asym_bpm0i07WS_mean vs run
χ² / ndf 61.4 / 42
p0 611.6 ± 337.2
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 118.6
Std Dev 0
2
1
0
−1
−2
−3

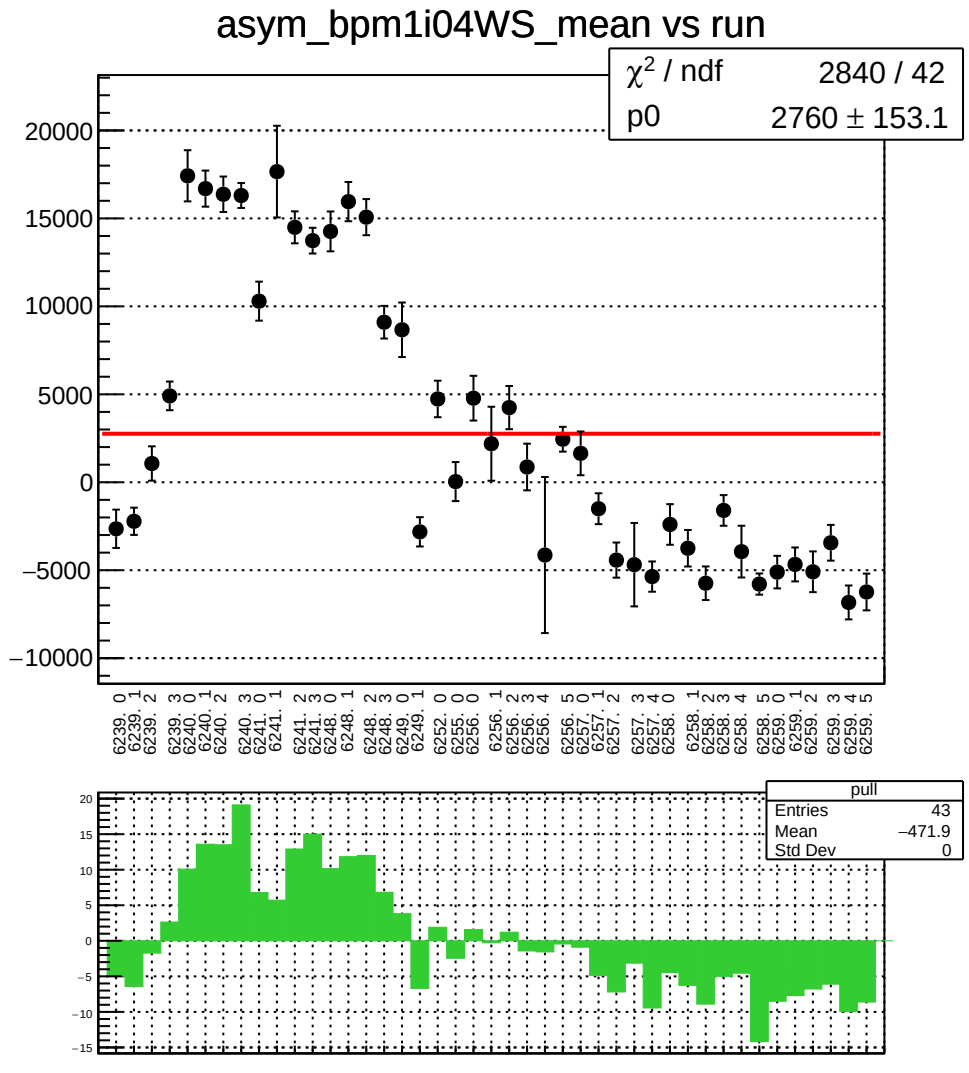

pull1D
Entries 43
Mean 0.05049
Std Dev 1.194
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

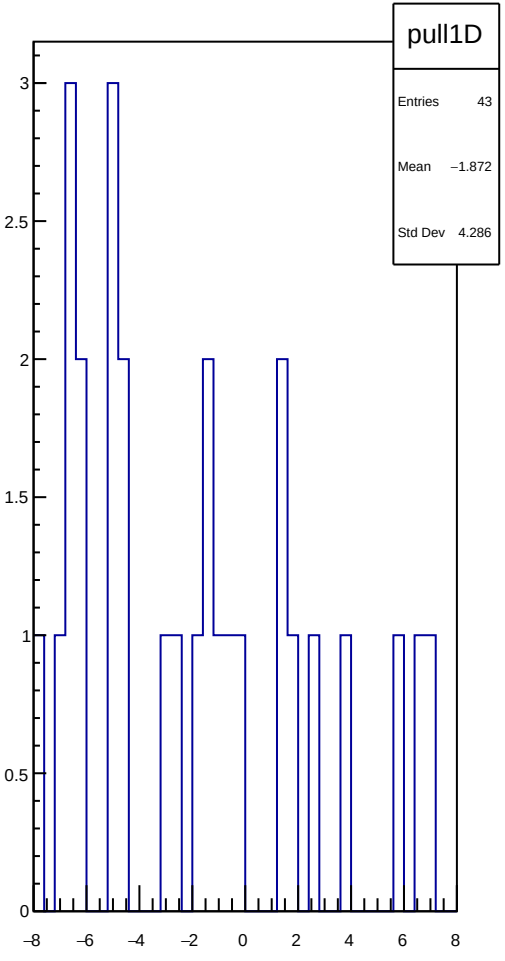

asym_bpm0i07WS_rms vs run
χ² / ndf 1.995e+04 / 42
p0 219.8 ± 0.2384
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

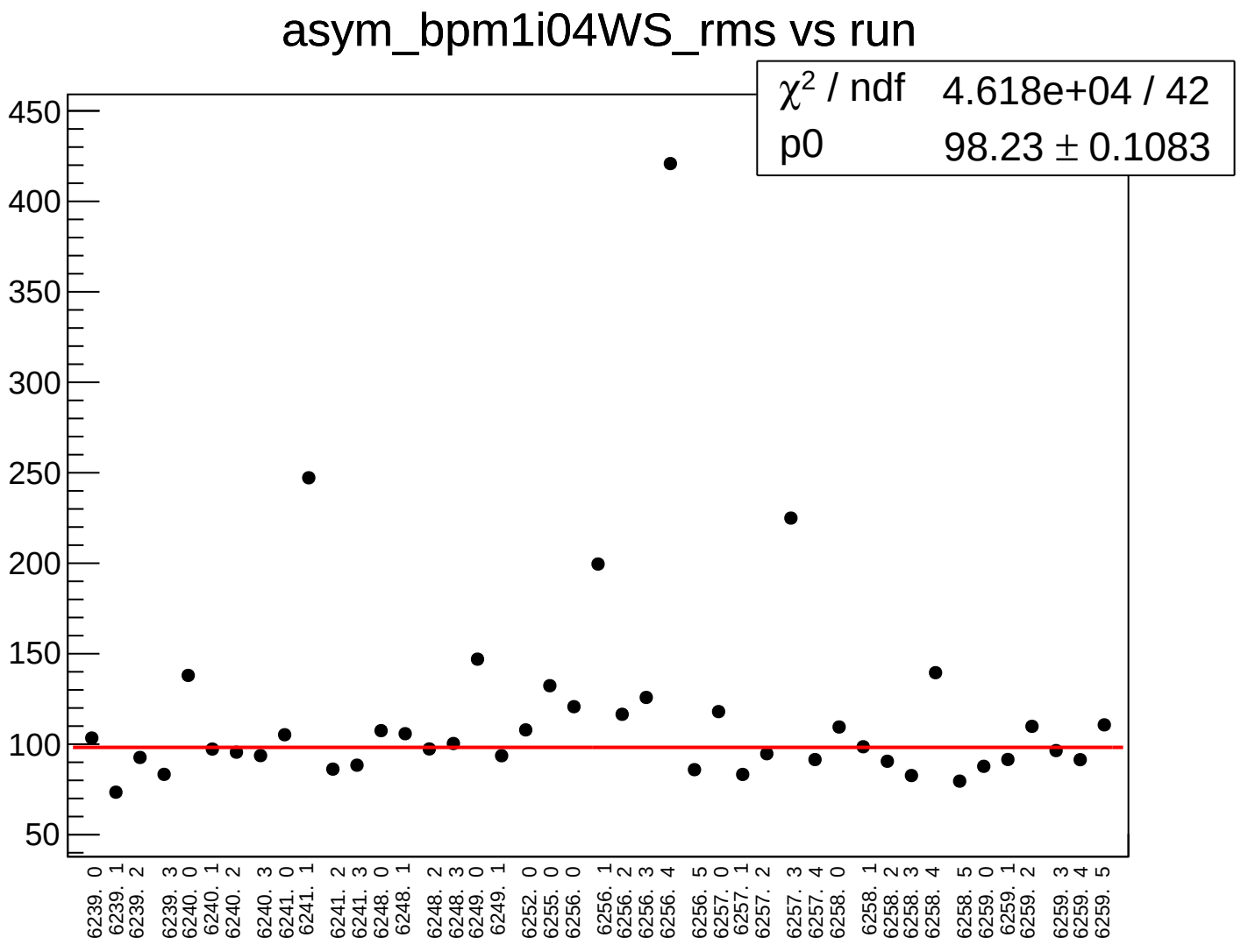

asym_bpm1i02WS_mean vs run
χ² / ndf 2148 / 42
p0 2914 ± 180.5
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1144
Std Dev 0
15
10
5
0
−5
−10

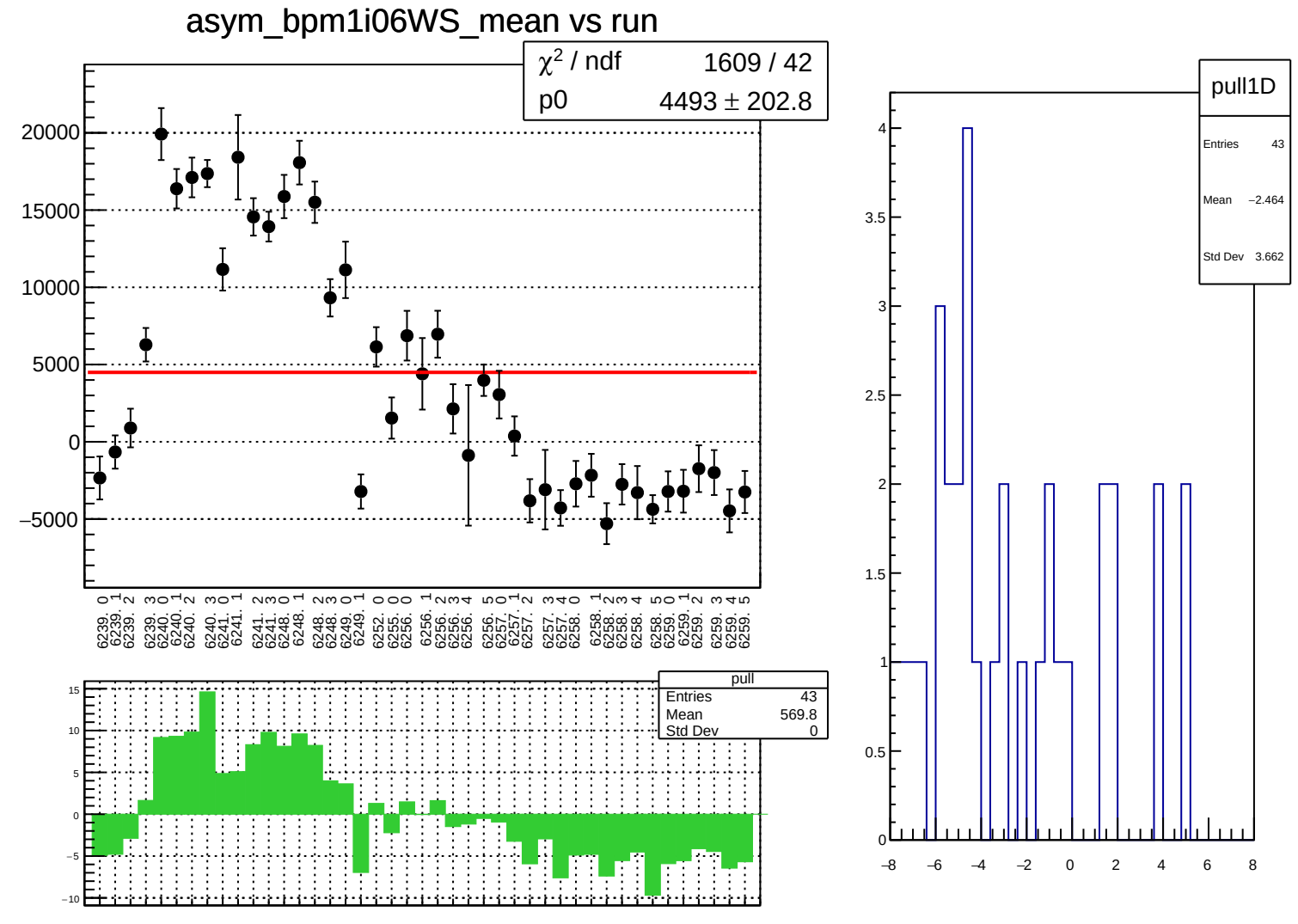

pull1D
Entries 43
Mean −2.06
Std Dev 4.007
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

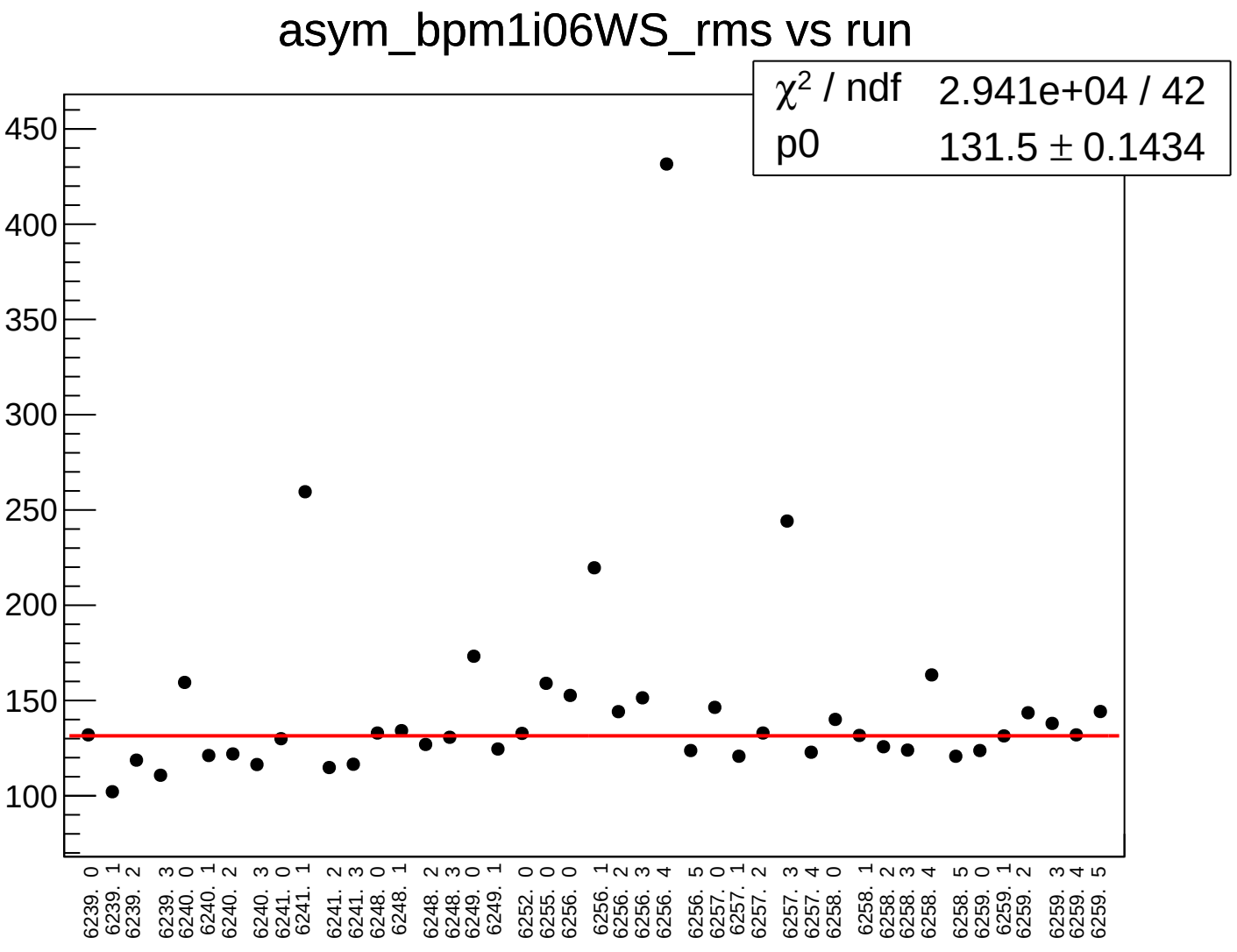

asym_bpm1i02WS_rms vs run
$\chi^2$ / ndf 3.567e+04 / 42
p0 116.5 ± 0.1276
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

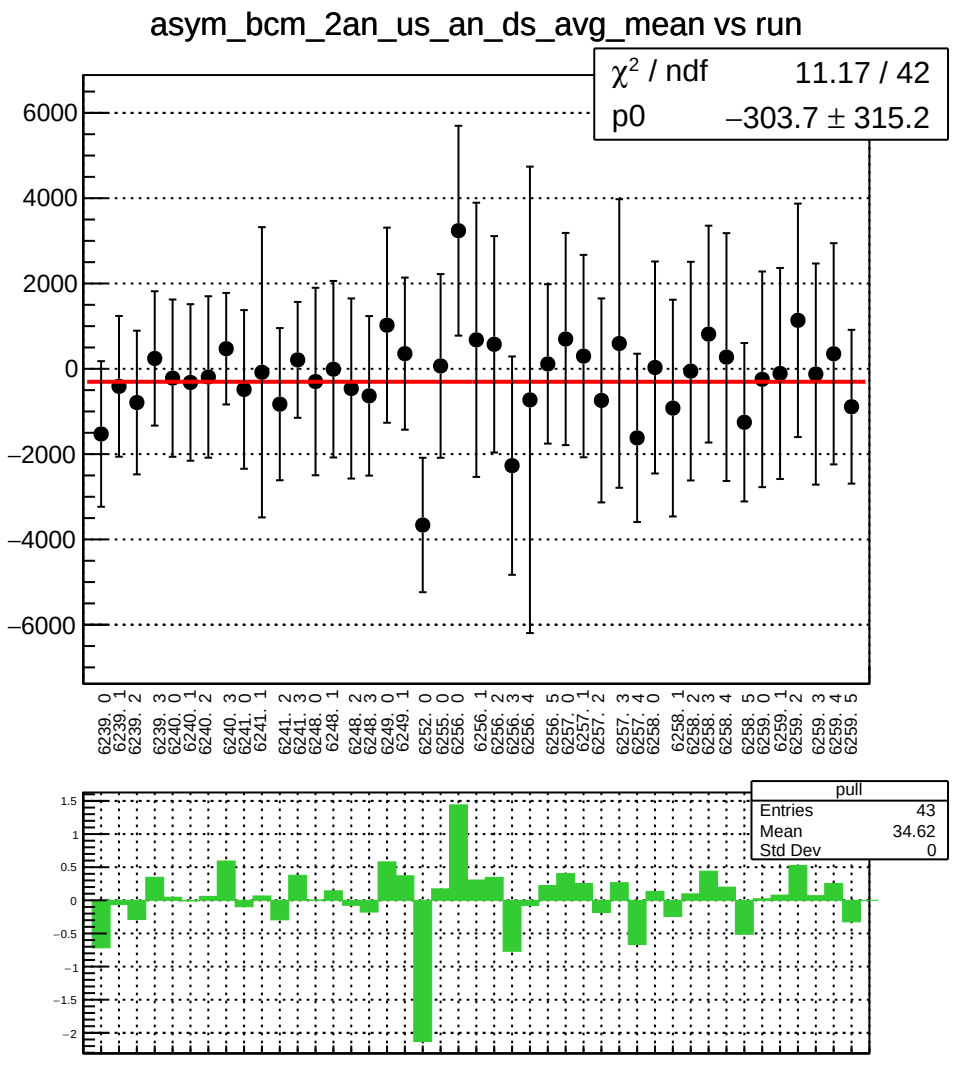

asym_bpm1i04WS_mean vs run
χ² / ndf 2840 / 42
p0 2760 ± 153.1
20000
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −471.9
Std Dev 0
20
15
10
5
0
−5
−10
−15

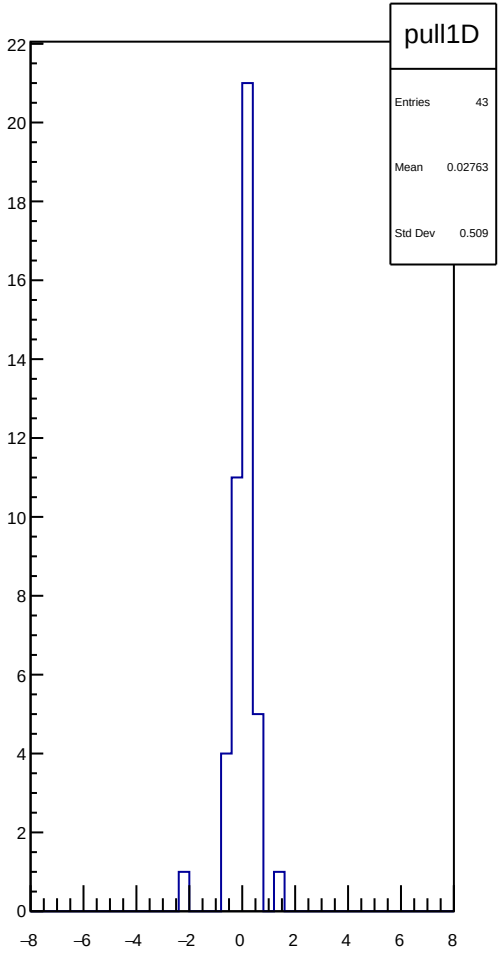

pull1D
Entries 43
Mean −1.872
Std Dev 4.286
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

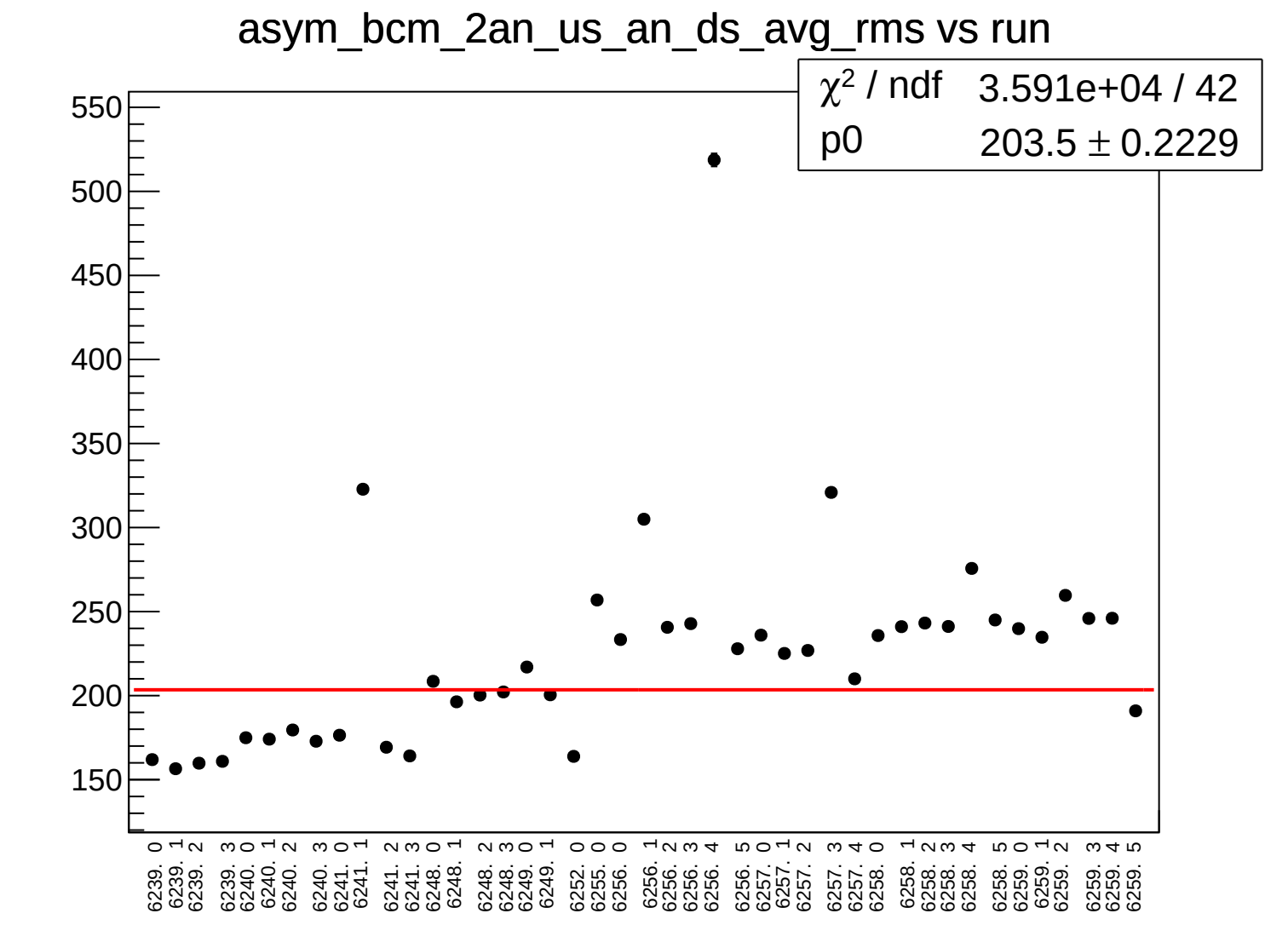

asym_bpm1i04WS_rms vs run
$\chi^2$ / ndf 4.618e+04 / 42
p0 98.23 ± 0.1083
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

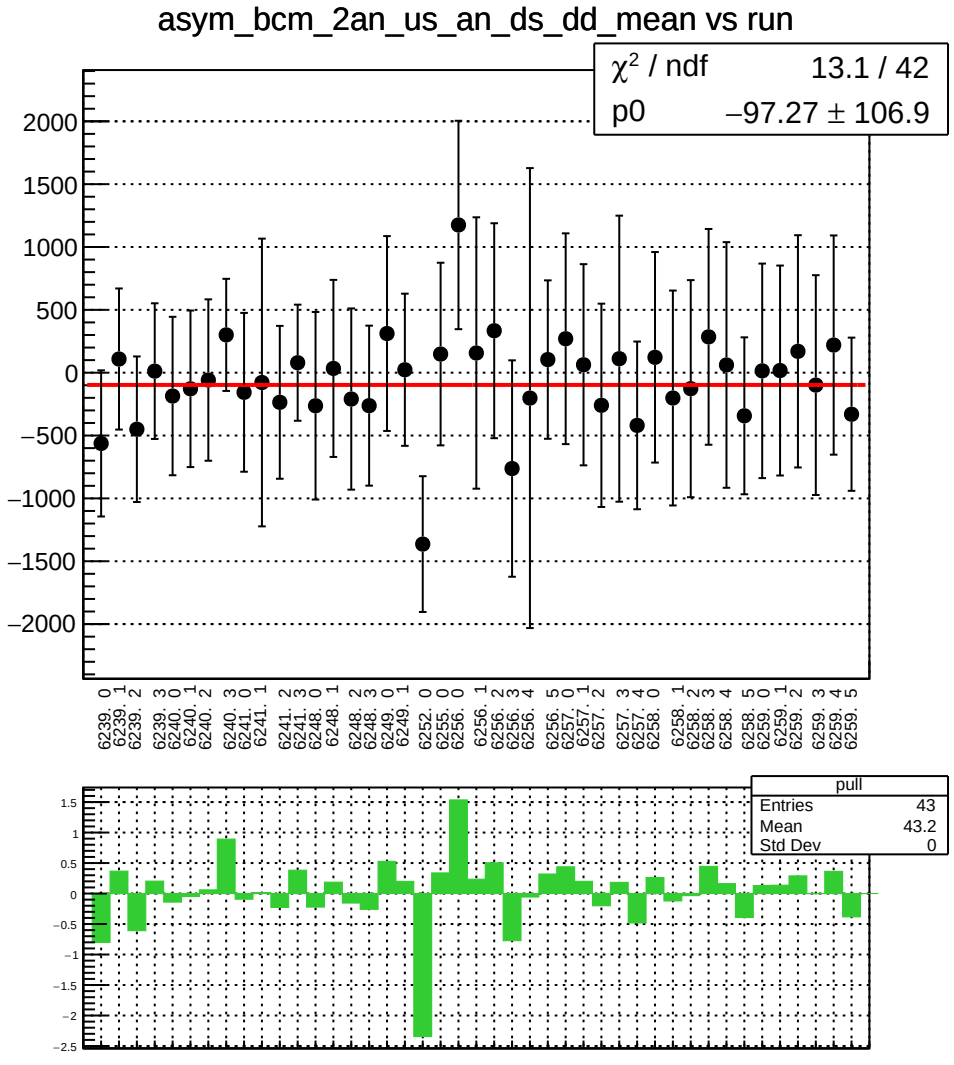

asym_bpm1i06WS_mean vs run
χ² / ndf 1609 / 42
p0 4493 ± 202.8
20000
15000
10000
5000
0
−5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 569.8
Std Dev 0
15
10
5
0
−5
−10
pull1D
Entries 43
Mean −2.464
Std Dev 3.662
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

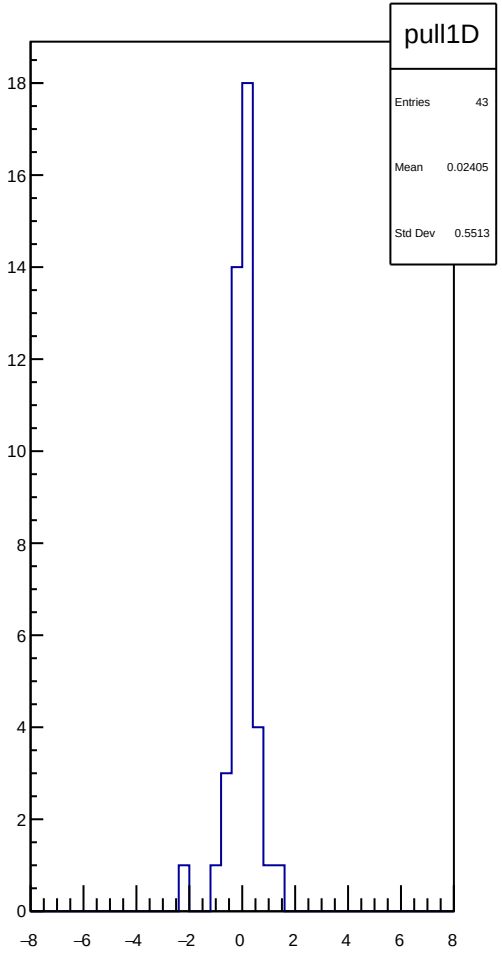

asym_bpm1i06WS_rms vs run
$\chi^2$ / ndf 2.941e+04 / 42
p0 131.5 ± 0.1434
450
400
350
300
250
200
150
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

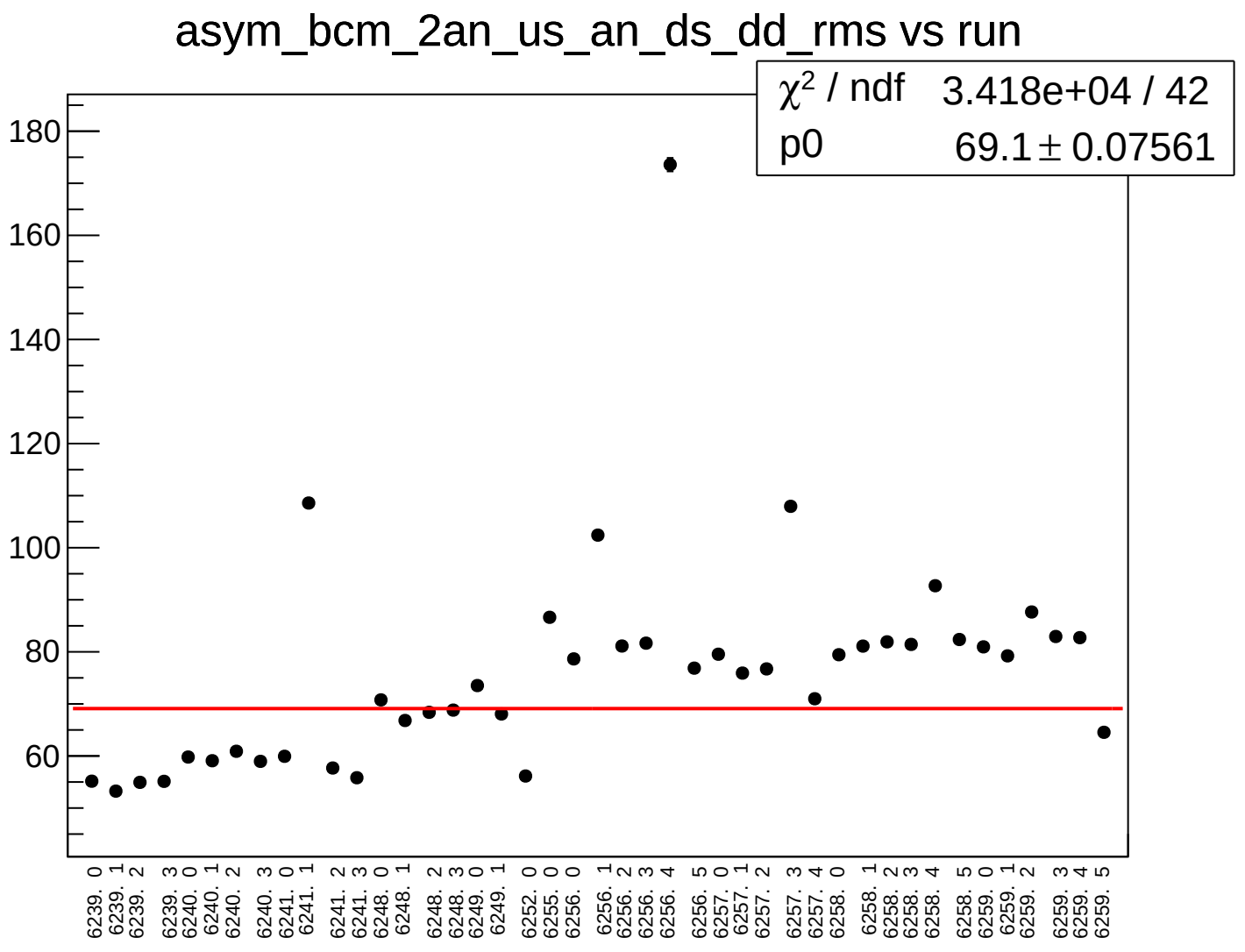

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 11.17 / 42
p0 −303.7 ± 315.2
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

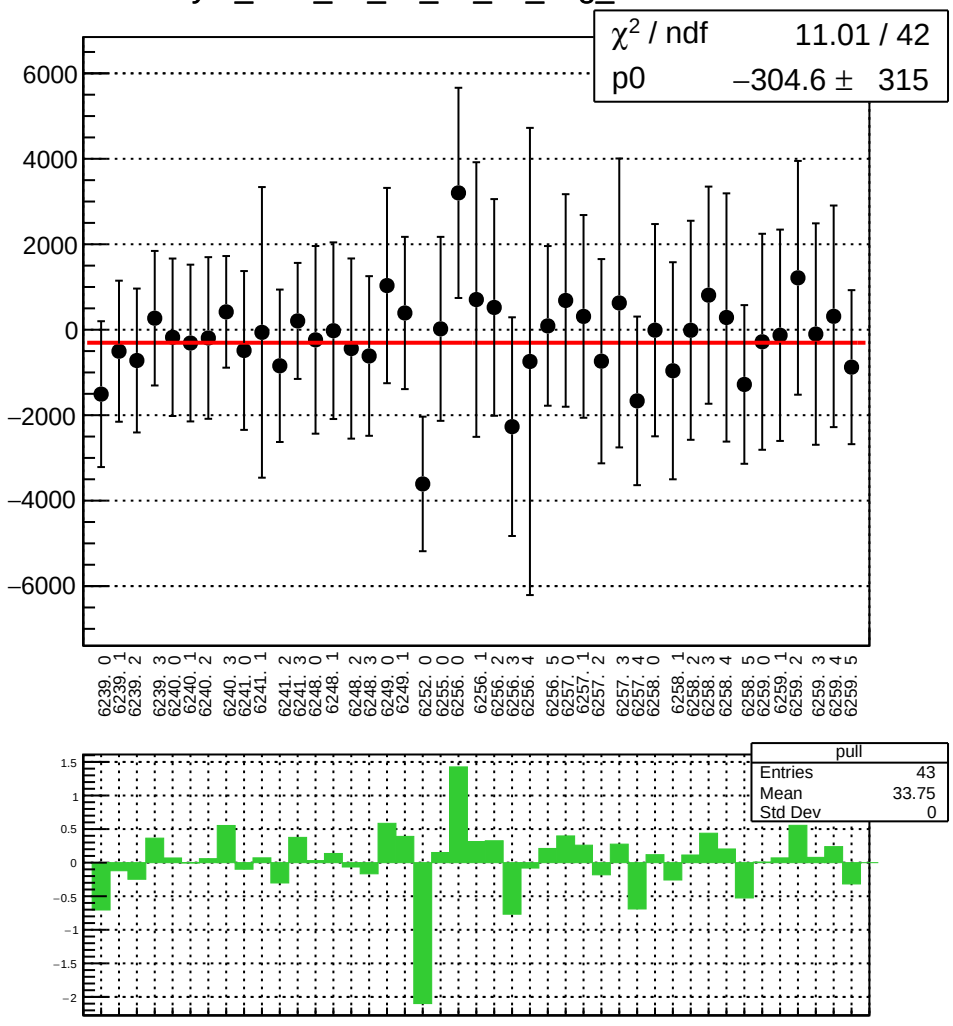

pull1D
Entries 43
Mean 0.02763
Std Dev 0.509
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

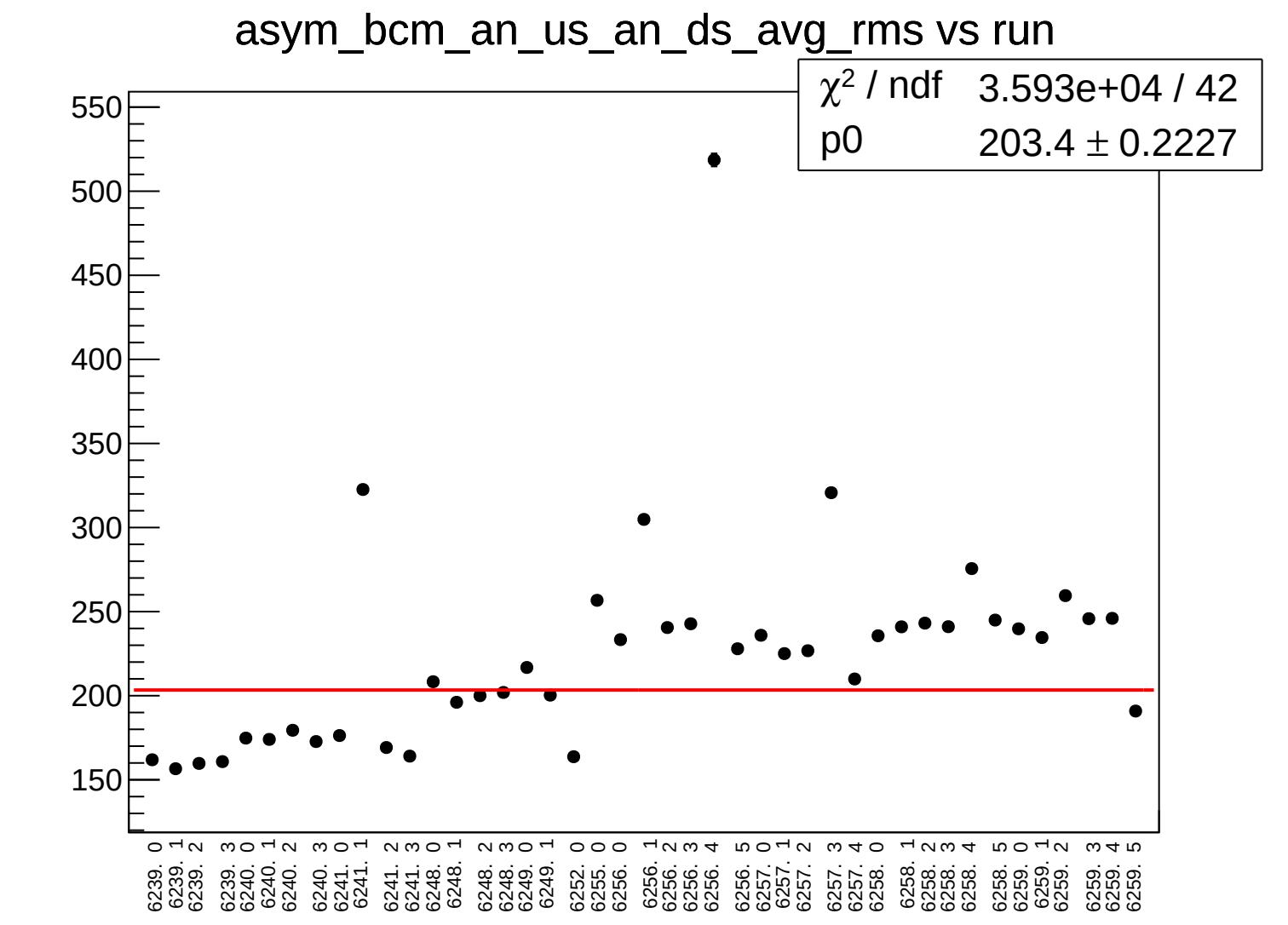

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.591e+04 / 42
p0 203.5 ± 0.2229
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

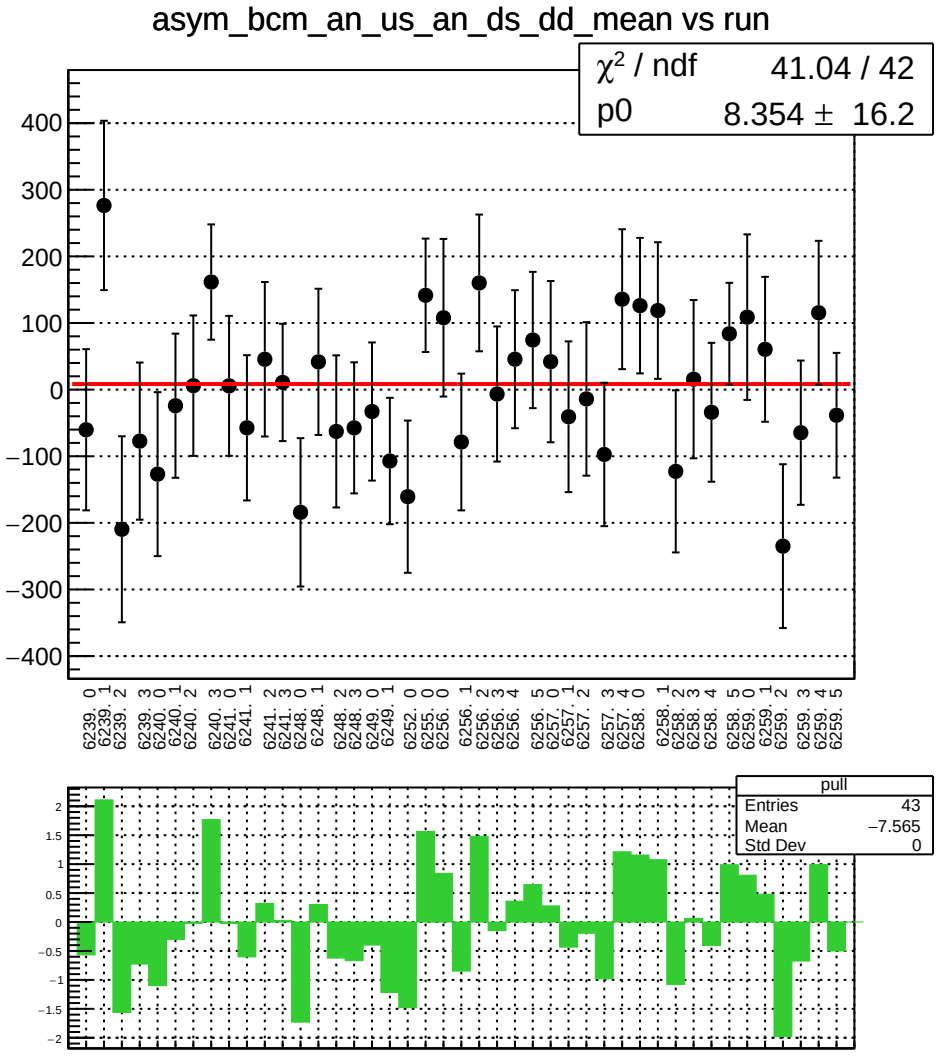

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 13.1 / 42
p0 −97.27 ± 106.9
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 43.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

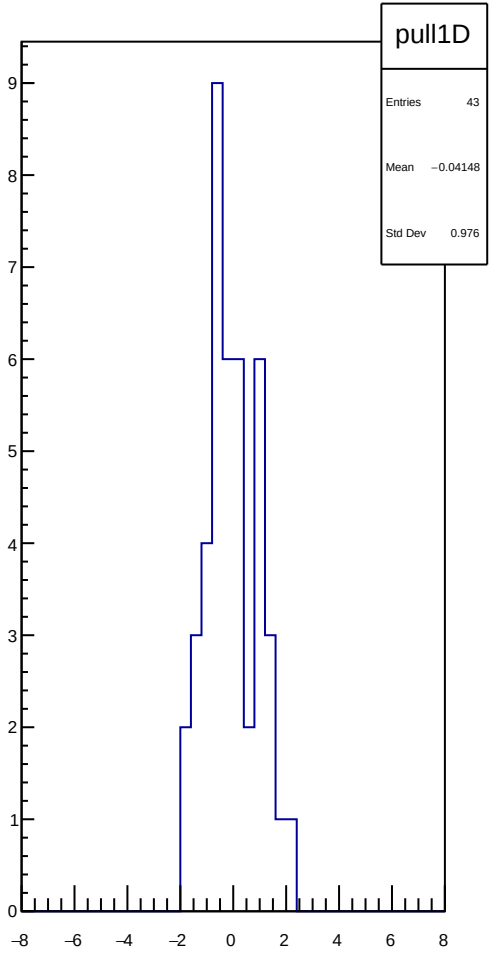

pull1D
Entries 43
Mean 0.02405
Std Dev 0.5513
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

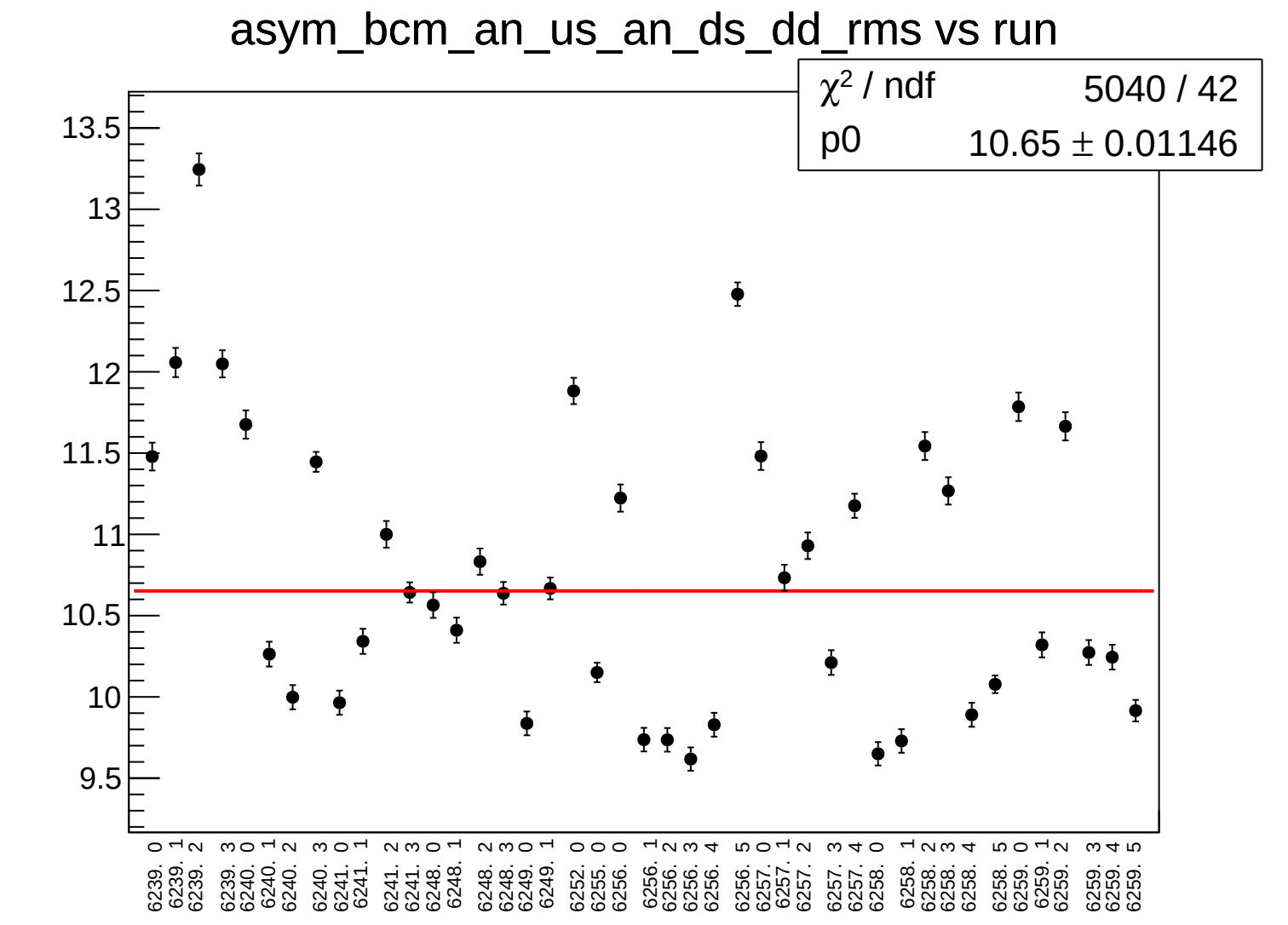

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 3.418e+04 / 42
p0 69.1 ± 0.07561
180
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

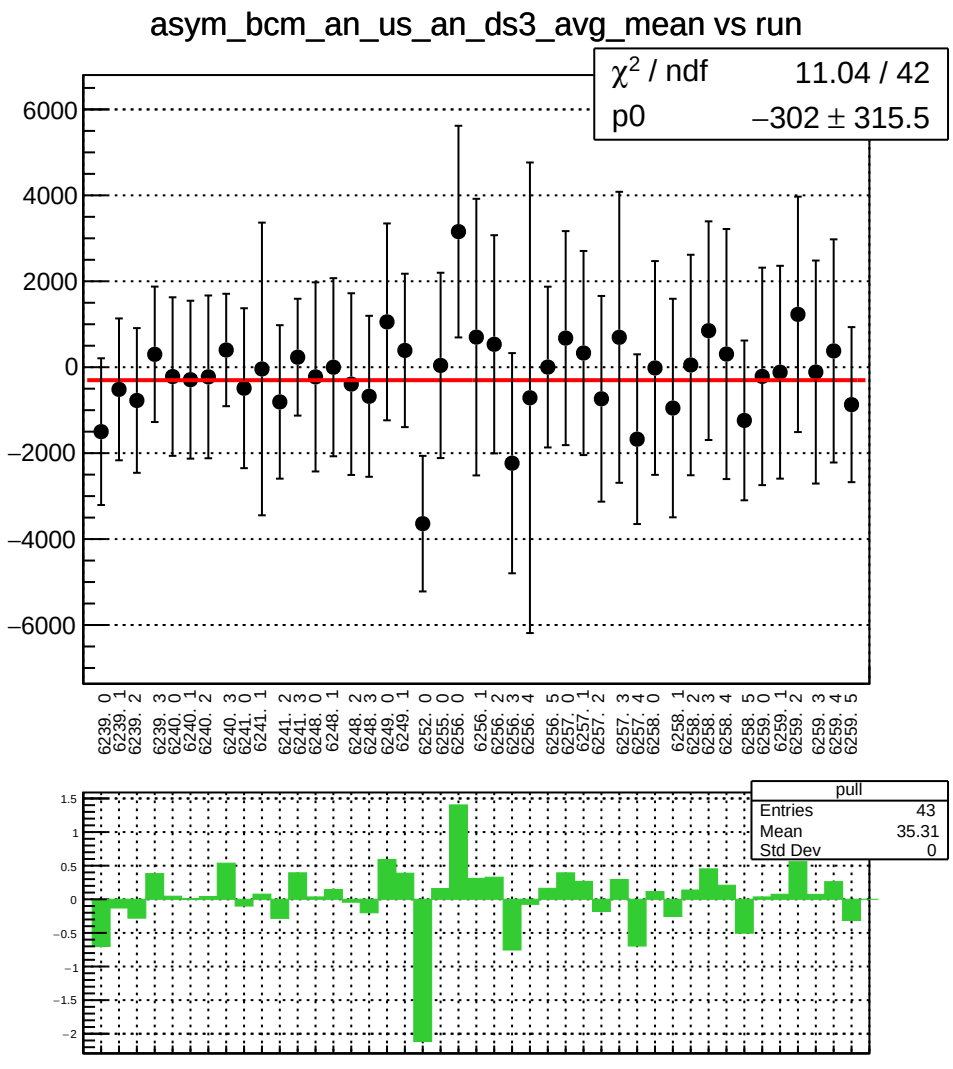

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 11.01 / 42
p0 −304.6 ± 315
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02791
Std Dev 0.5052
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

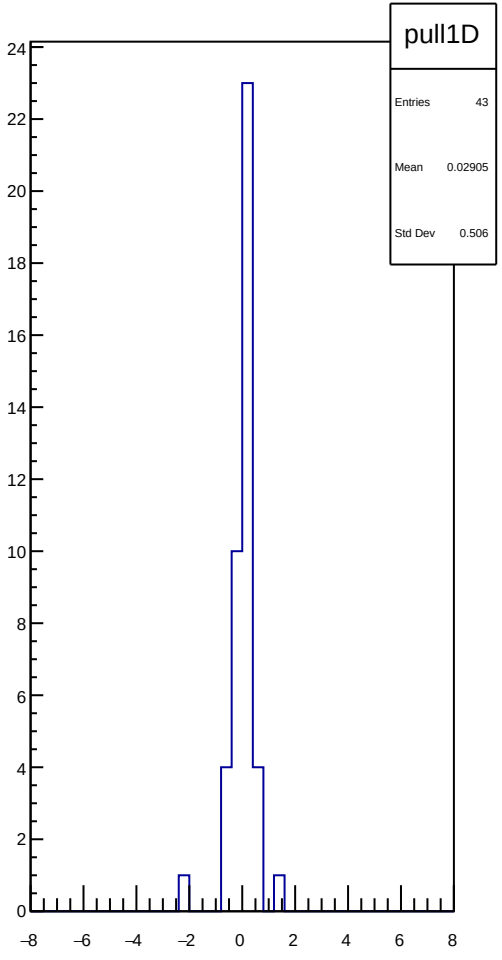

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.593e+04 / 42
p0 203.4 ± 0.2227
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

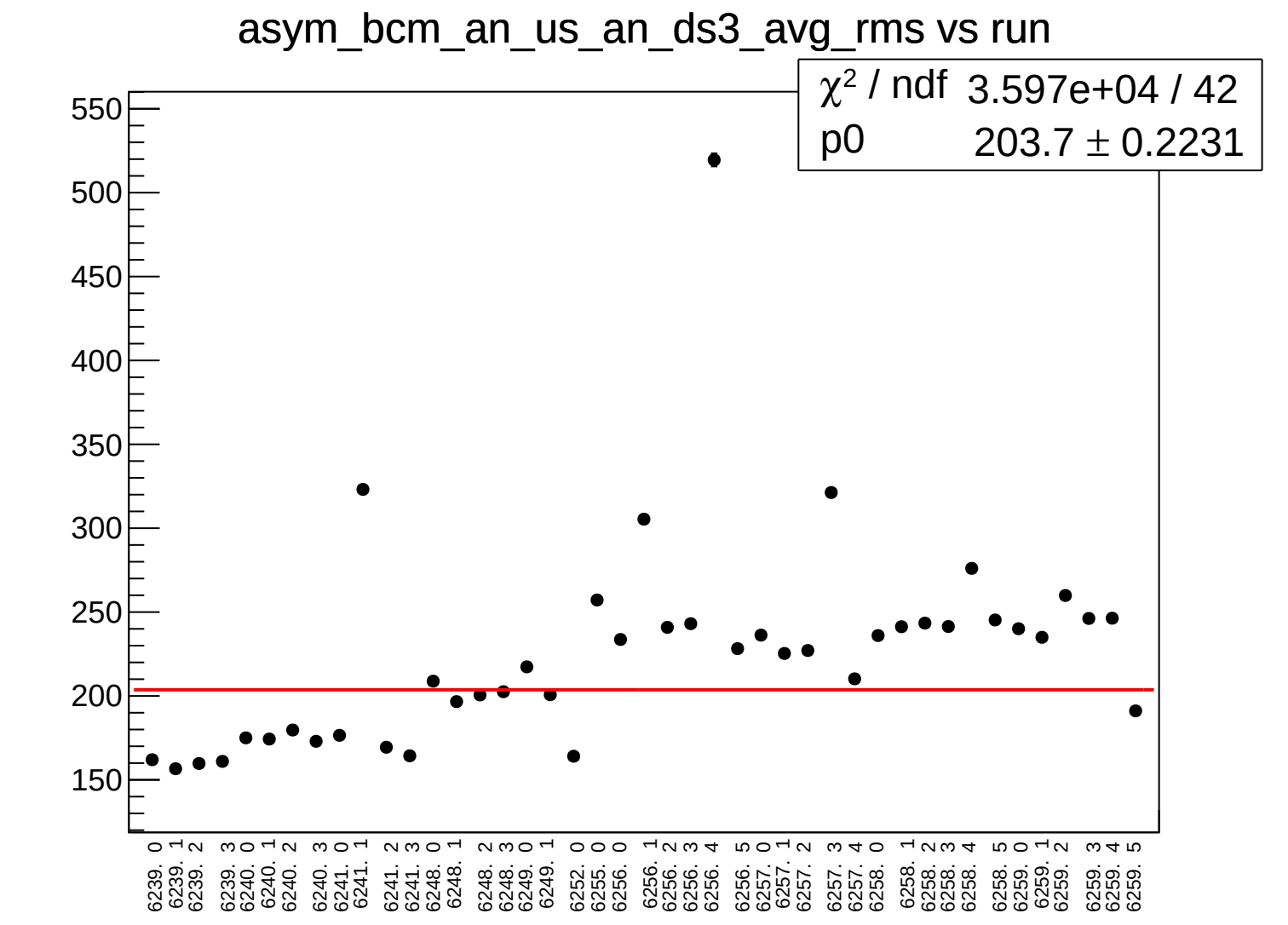

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 41.04 / 42
p0 8.354 ± 16.2
400
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −7.565
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

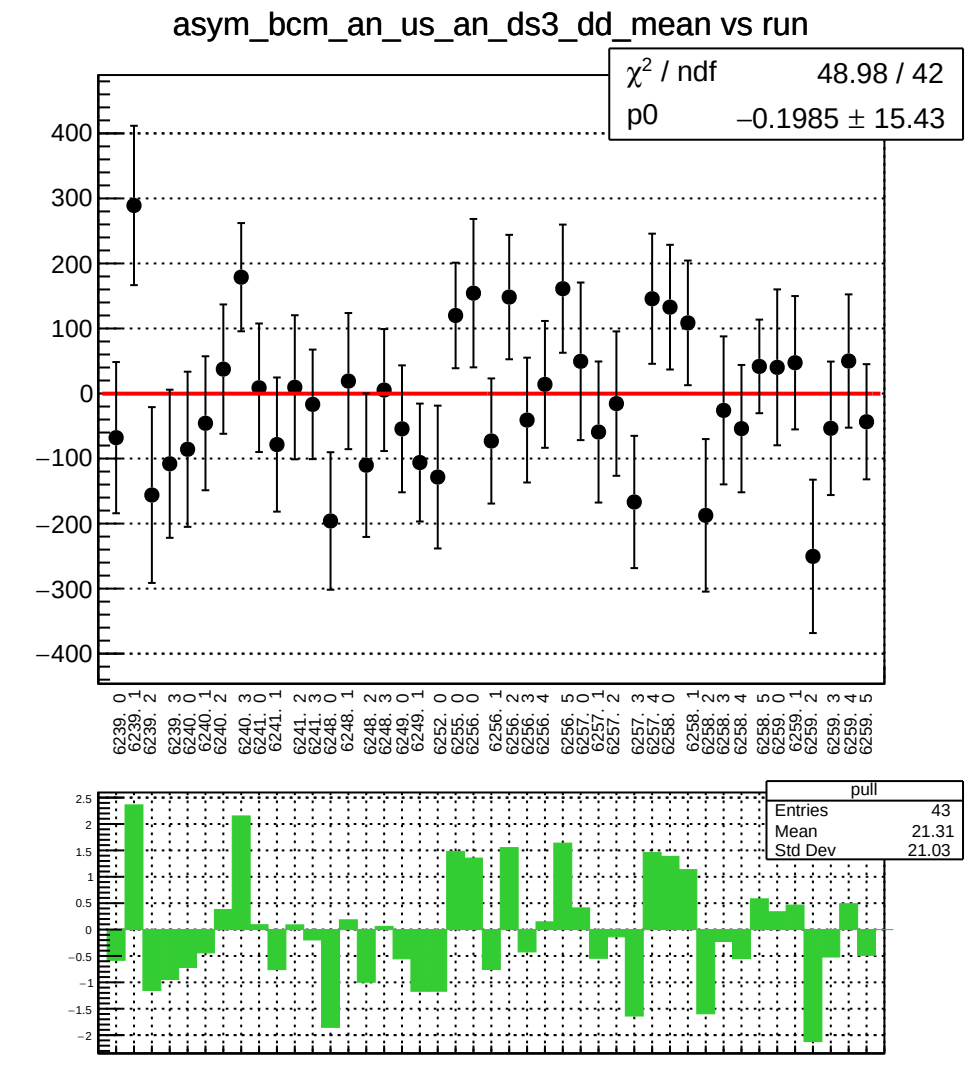

pull1D
Entries 43
Mean −0.04148
Std Dev 0.976
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

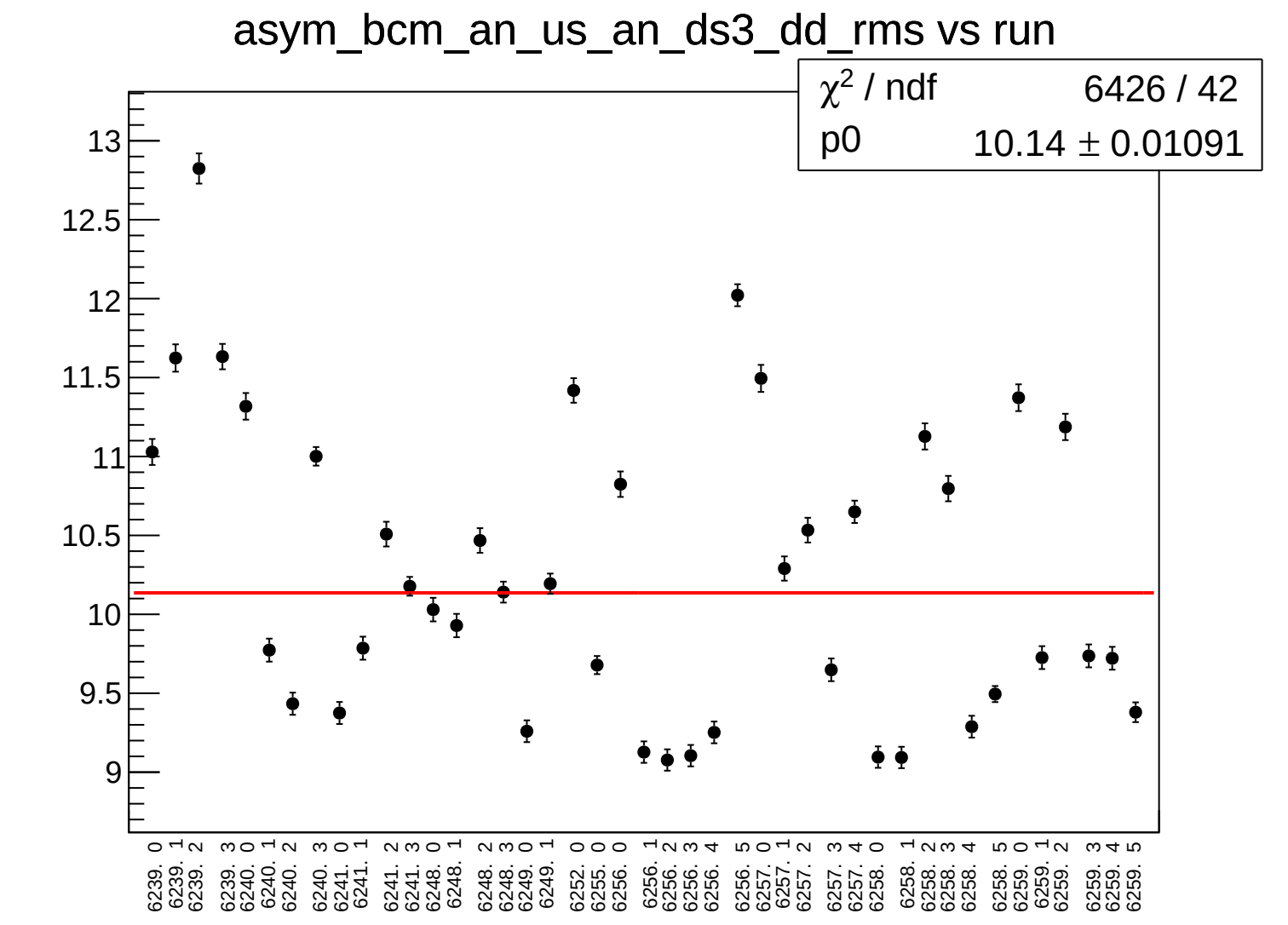

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 5040 / 42
p0 10.65 ± 0.01146
13.5
13
12.5
12
11.5
11
10.5
10
9.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

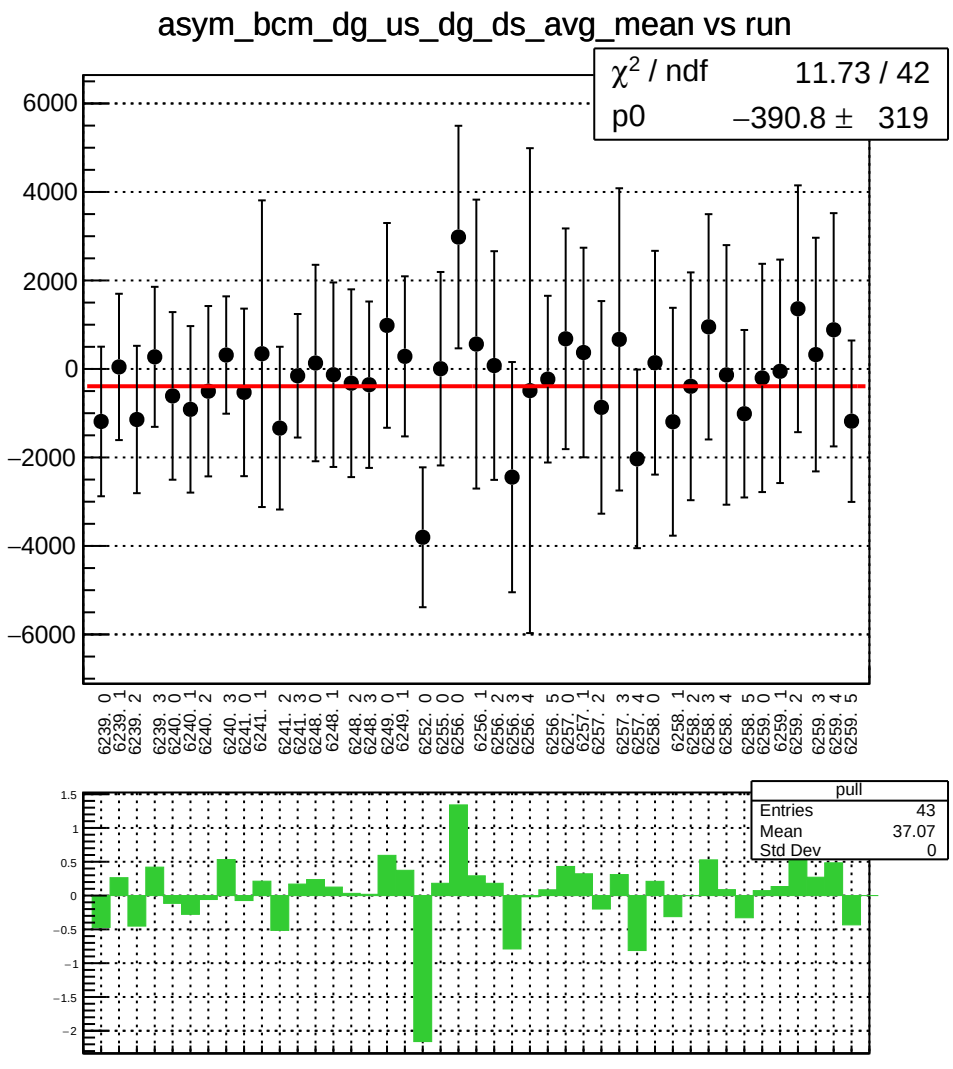

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 11.04 / 42
p0 −302 ± 315.5
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

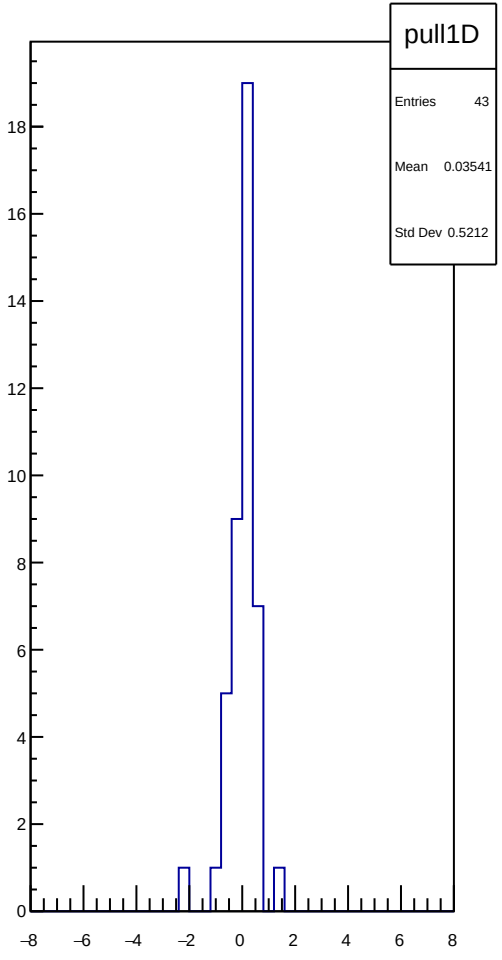

pull1D
Entries 43
Mean 0.02905
Std Dev 0.506
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

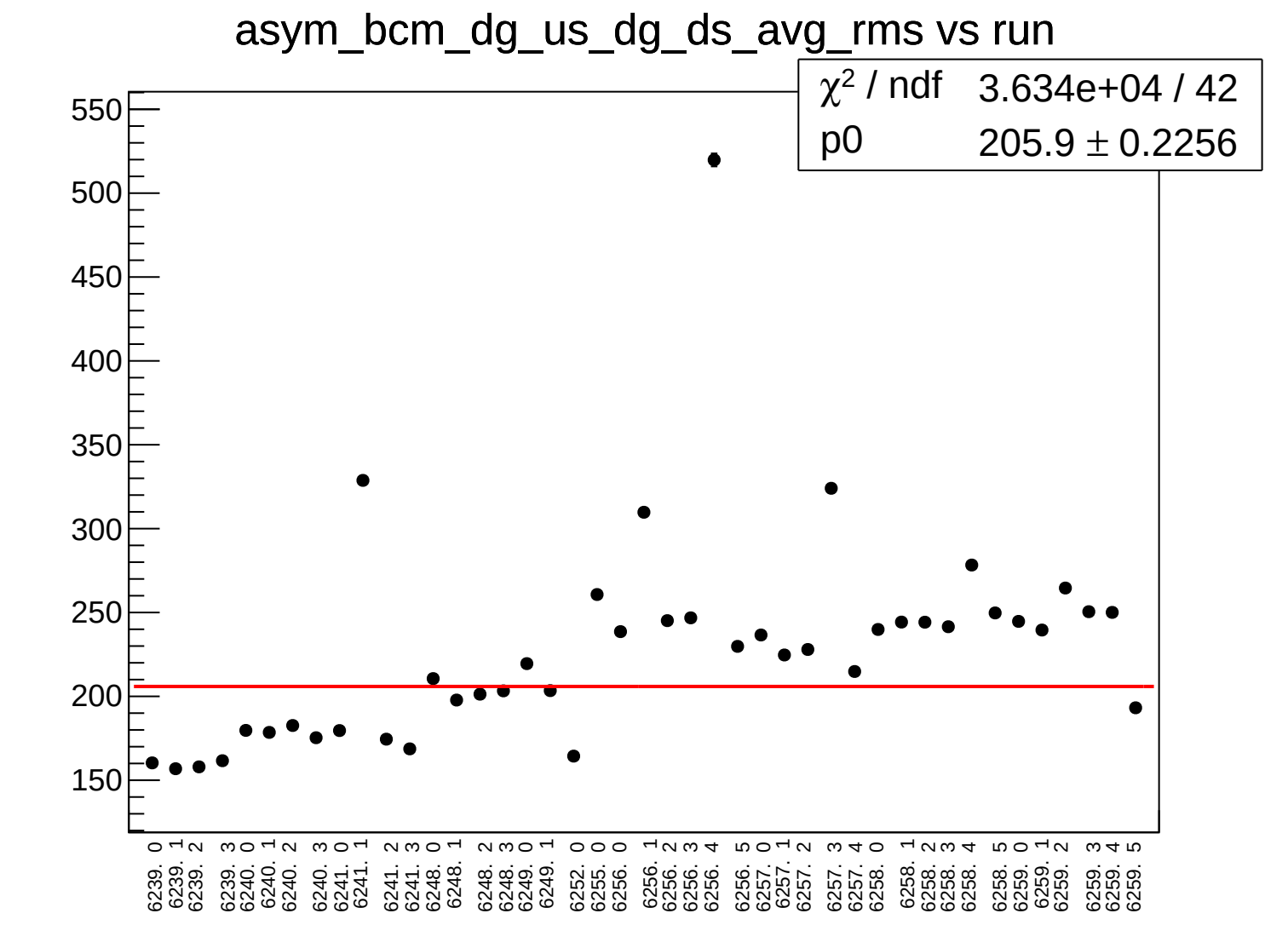

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.597e+04 / 42
p0 203.7 ± 0.2231
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

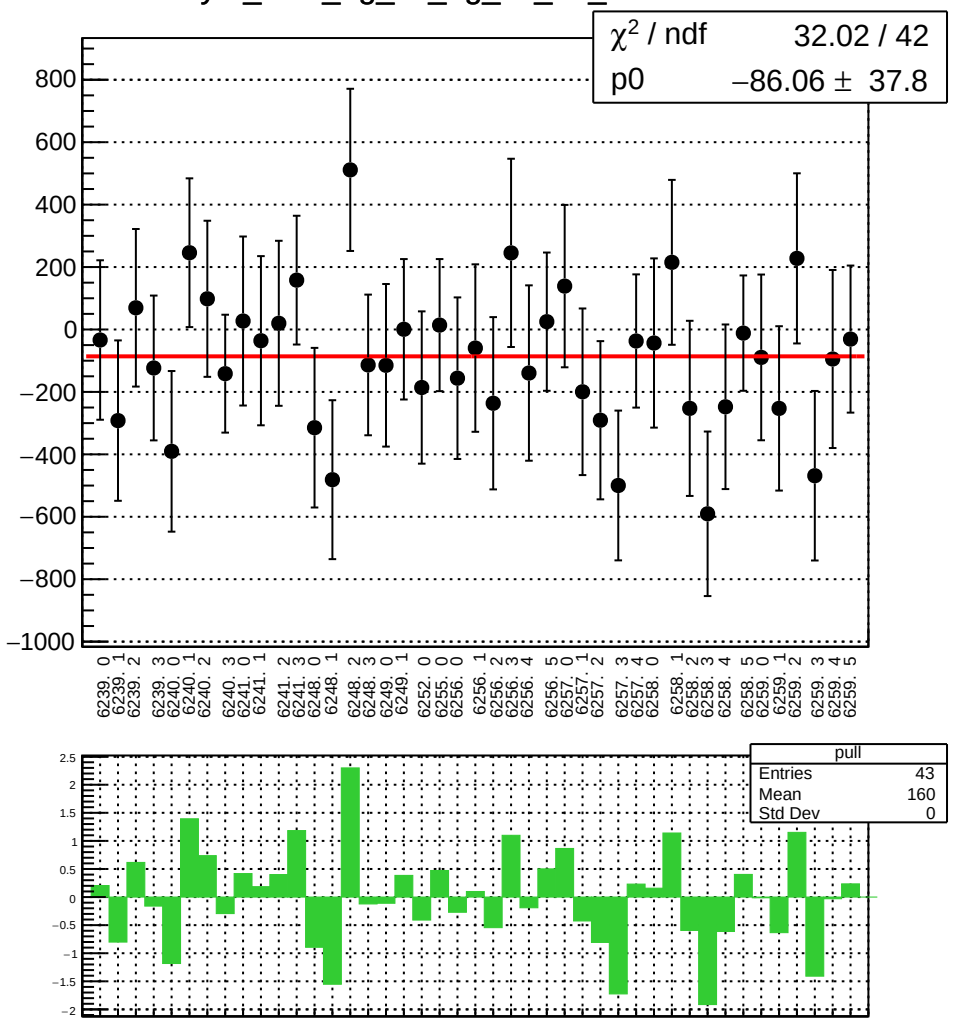

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 48.98 / 42
p0 −0.1985 ± 15.43
400
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.31
Std Dev 21.03
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04151
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

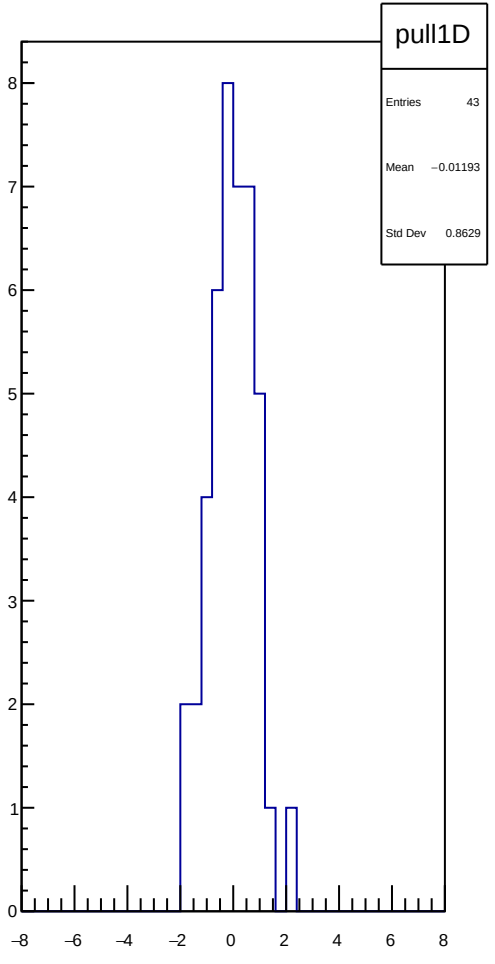

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 6426 / 42
p0 10.14 ± 0.01091
13
12.5
12
11.5
11
10.5
10
9.5
9
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

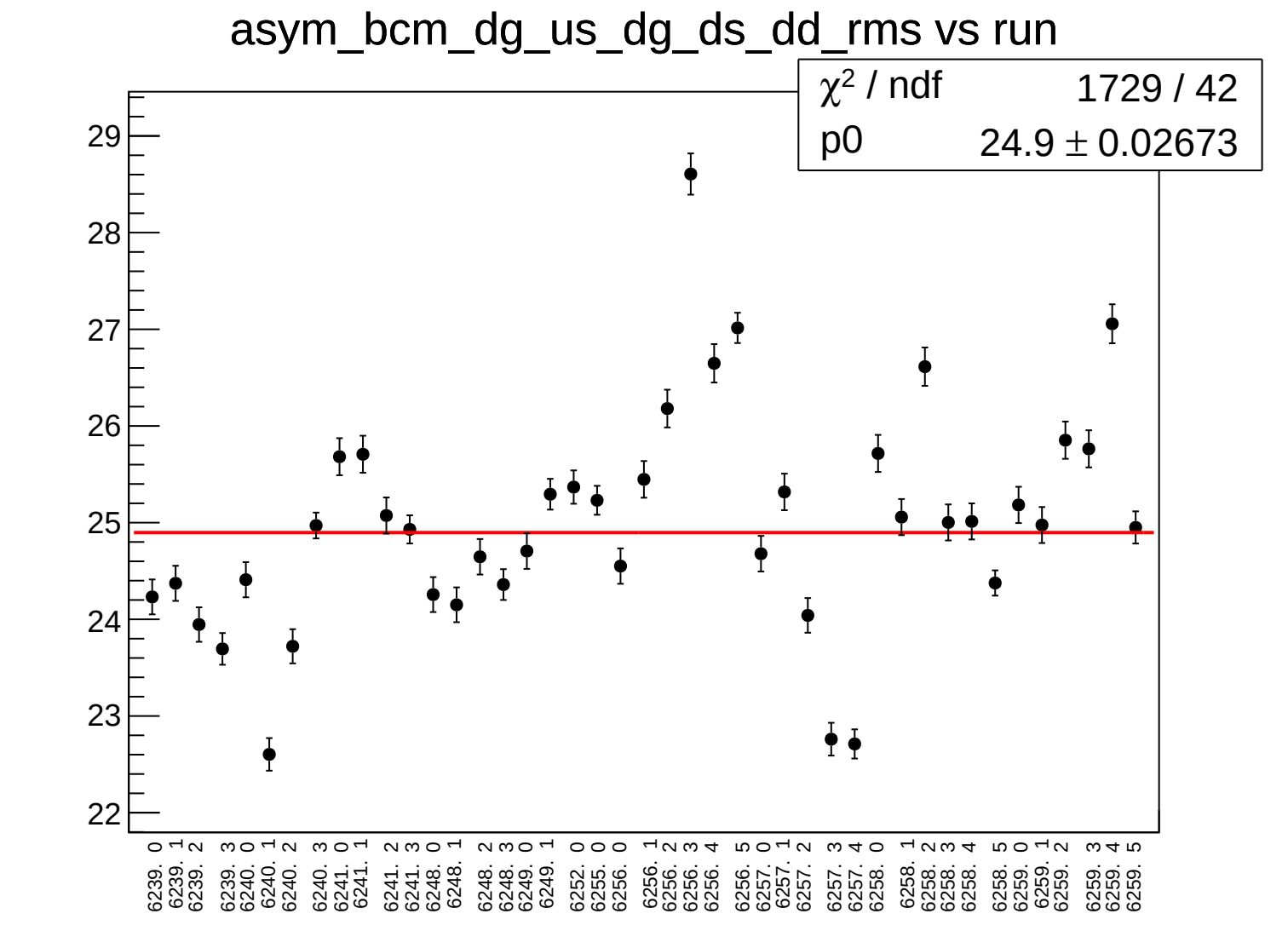

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 11.73 / 42
p0 −390.8 ± 319
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 37.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

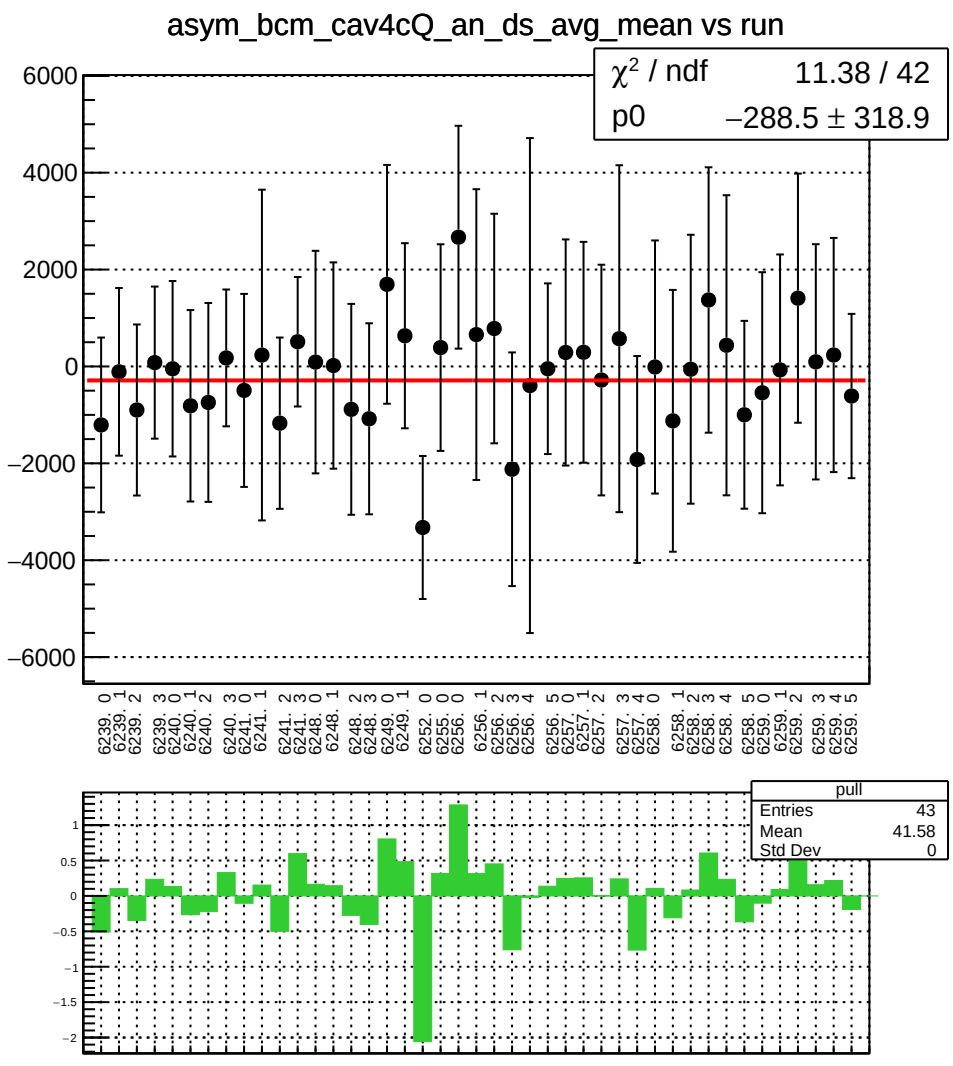

pull1D
Entries 43
Mean 0.03541
Std Dev 0.5212
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

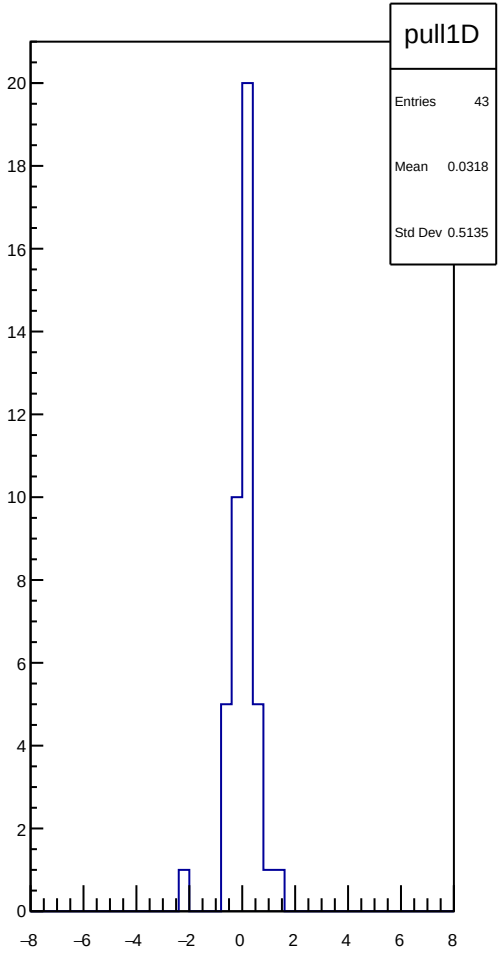

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 3.634e+04 / 42
p0 205.9 ± 0.2256
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

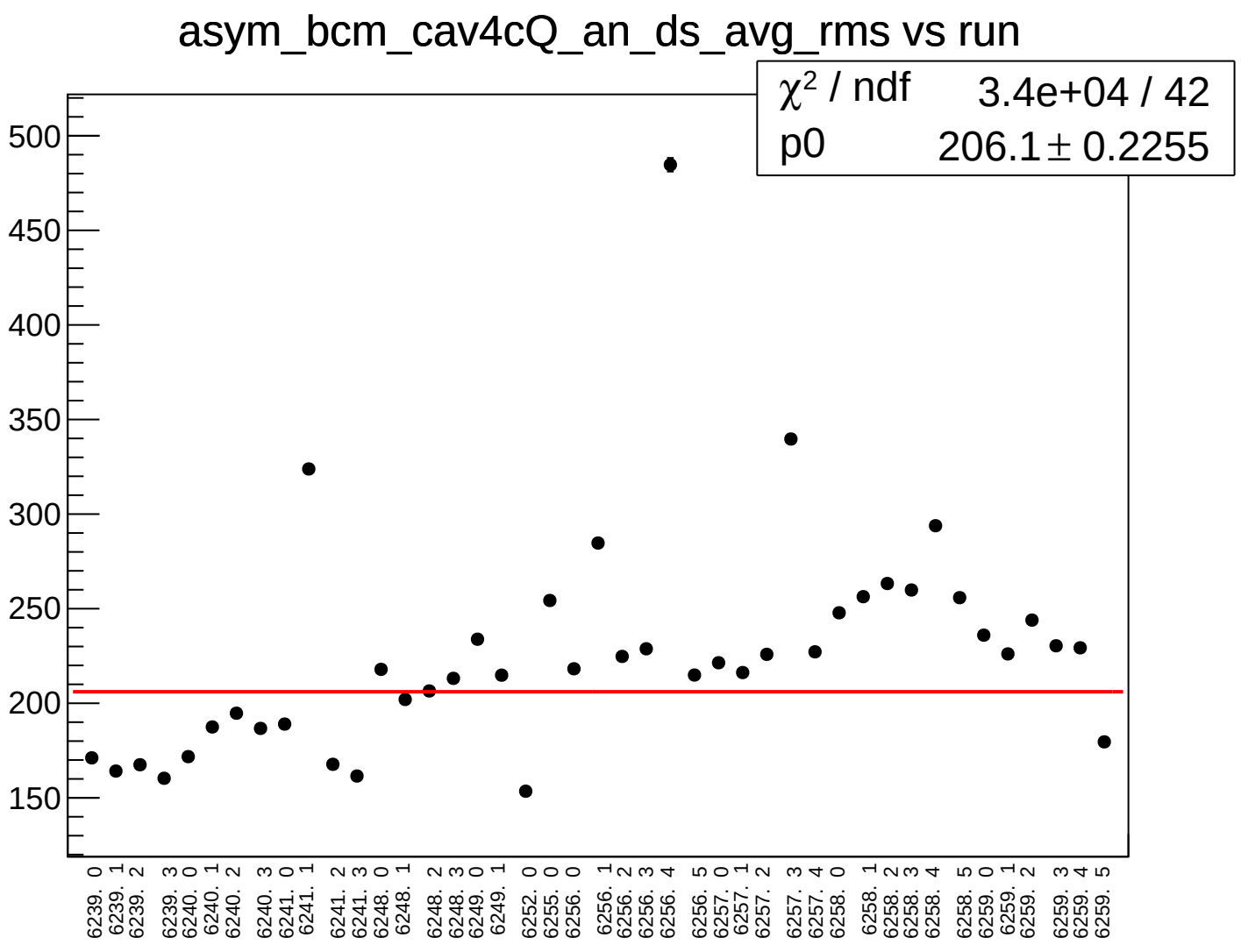

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 32.02 / 42
p0 −86.06 ± 37.8
pull
Entries 43
Mean 160
Std Dev 0

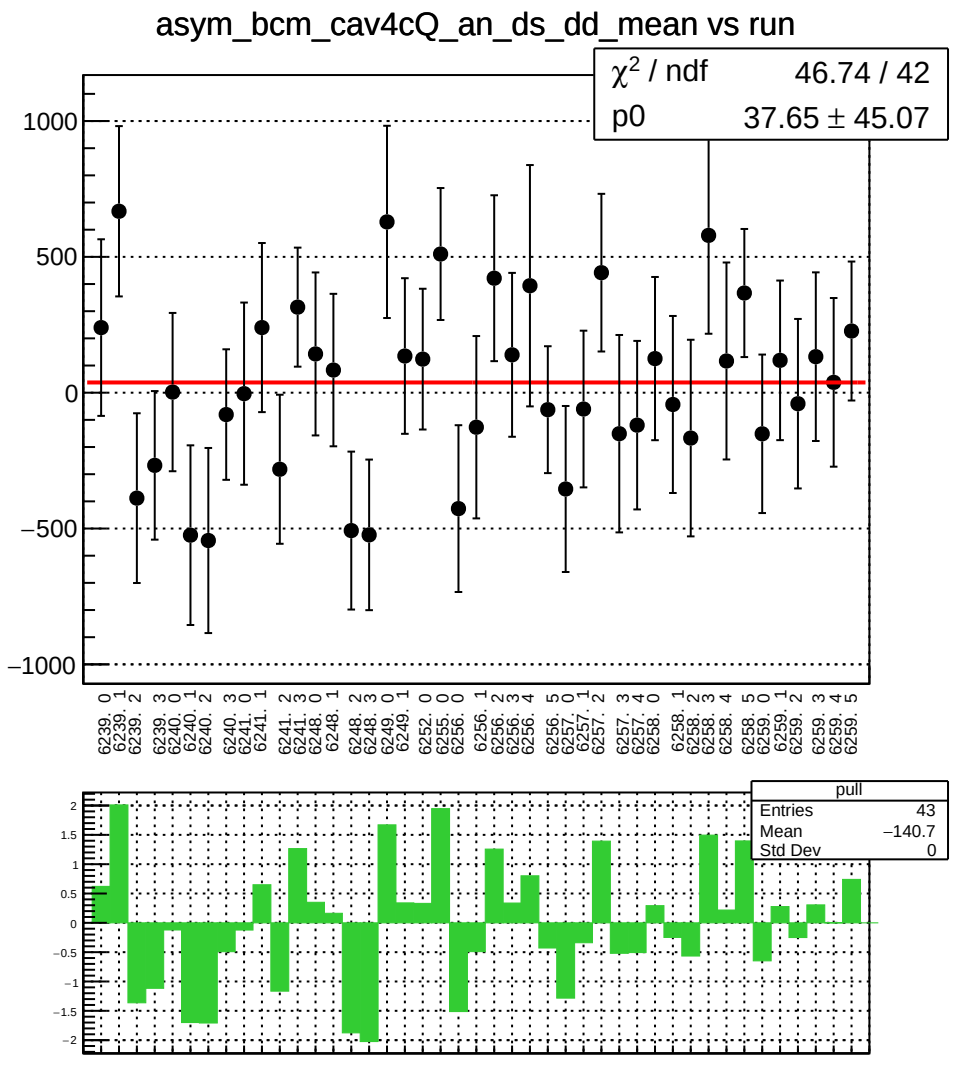

pull1D
Entries 43
Mean −0.01193
Std Dev 0.8629

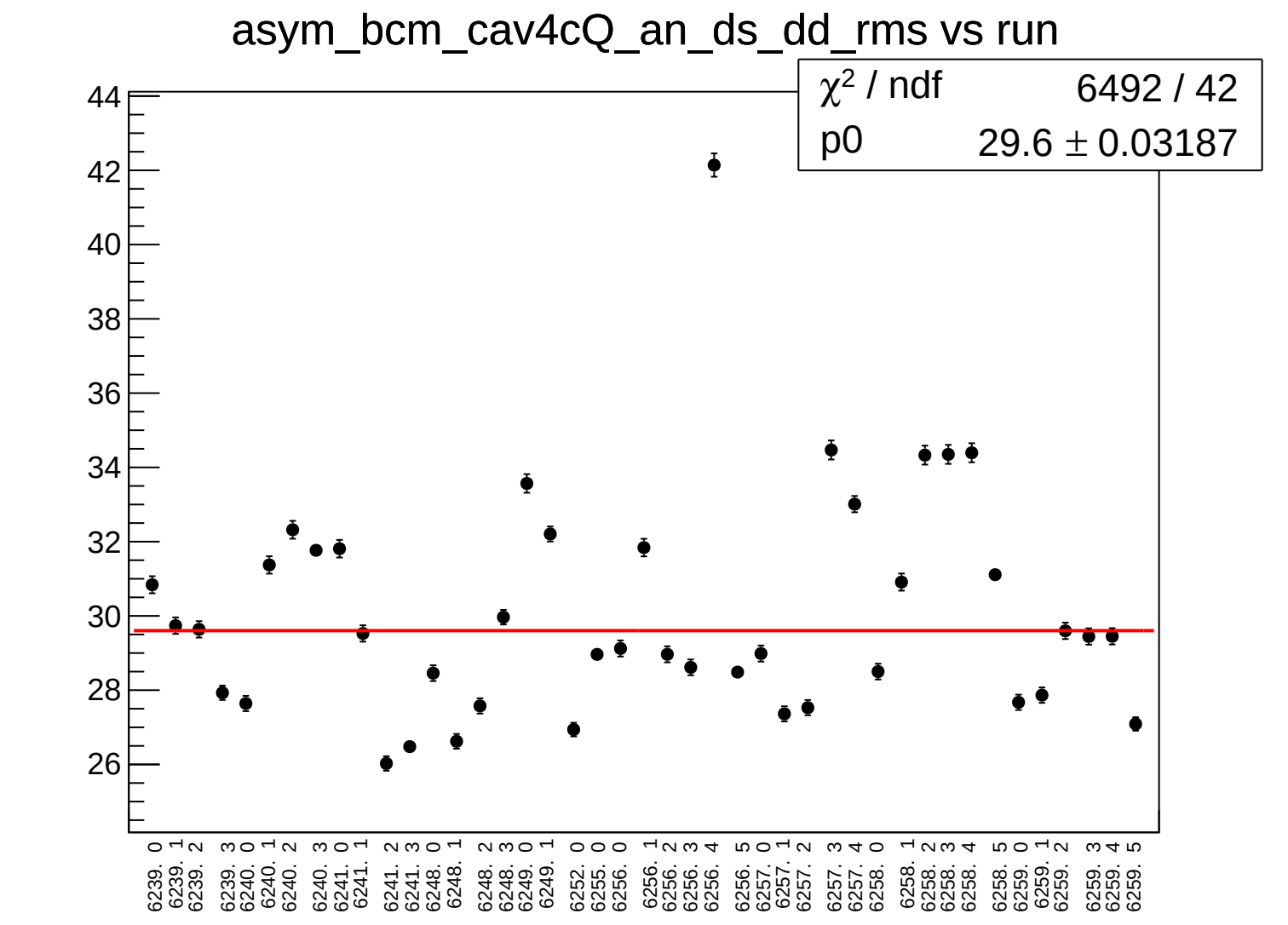

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1729 / 42
p0 24.9 ± 0.02673
29
28
27
26
25
24
23
22
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

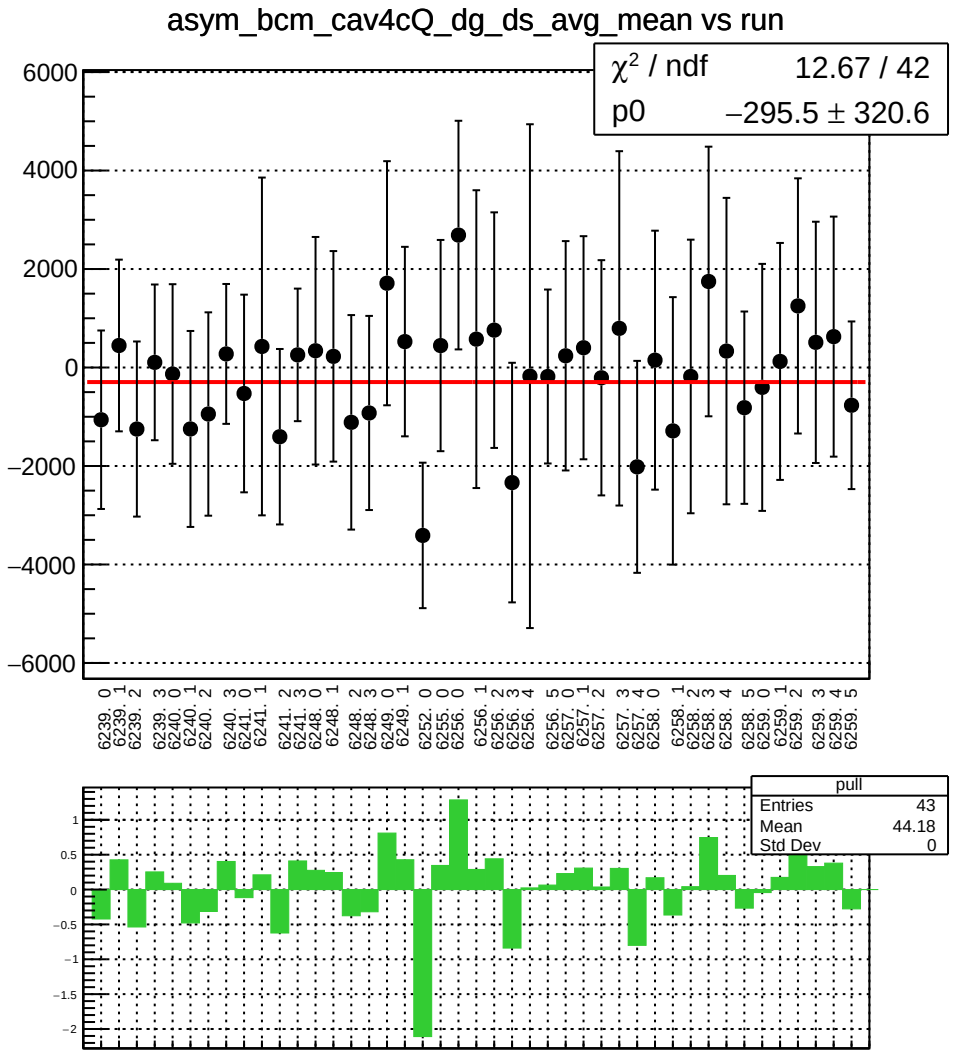

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 11.38 / 42
p0 −288.5 ± 318.9
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 41.58
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

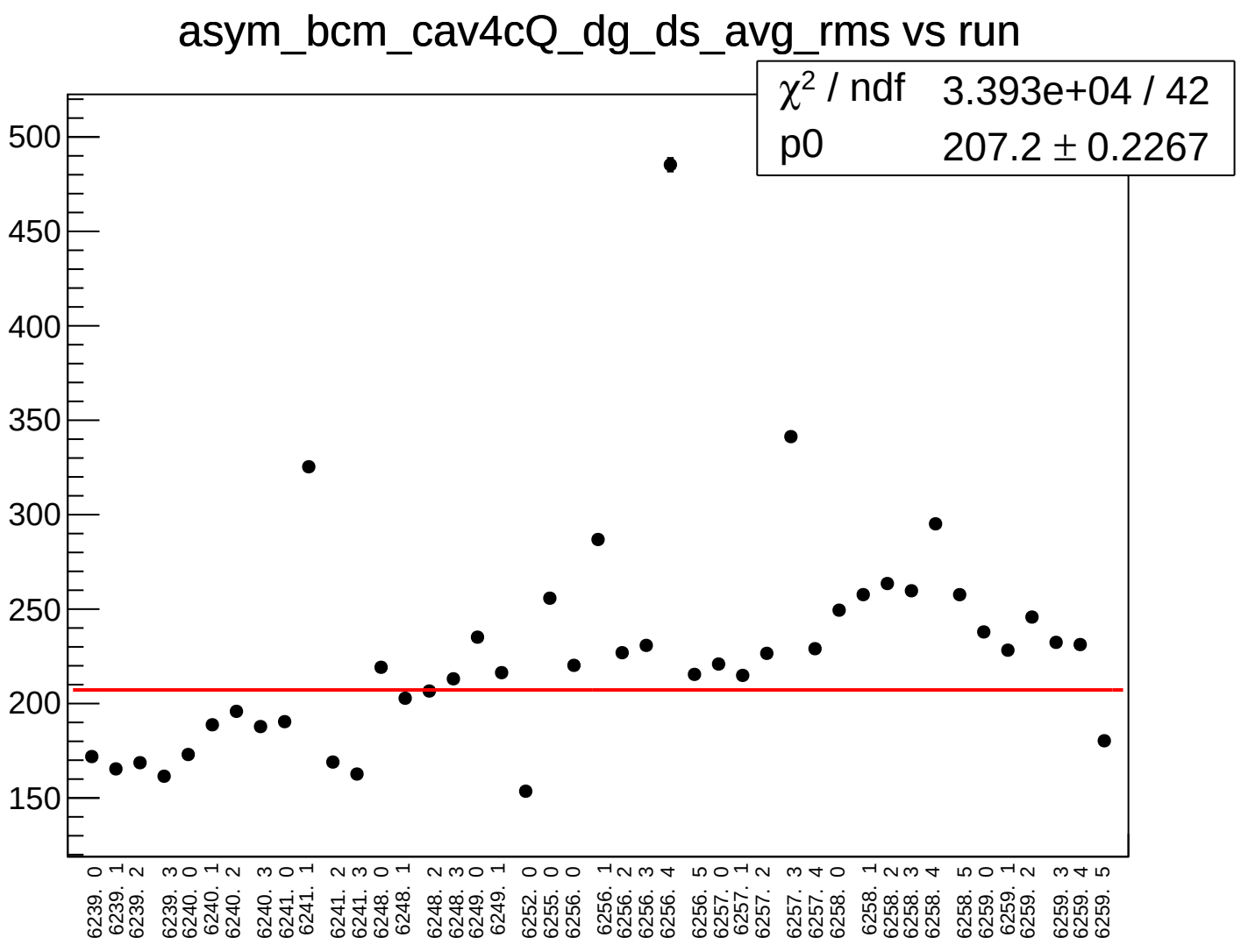

pull1D
Entries 43
Mean 0.0318
Std Dev 0.5135
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

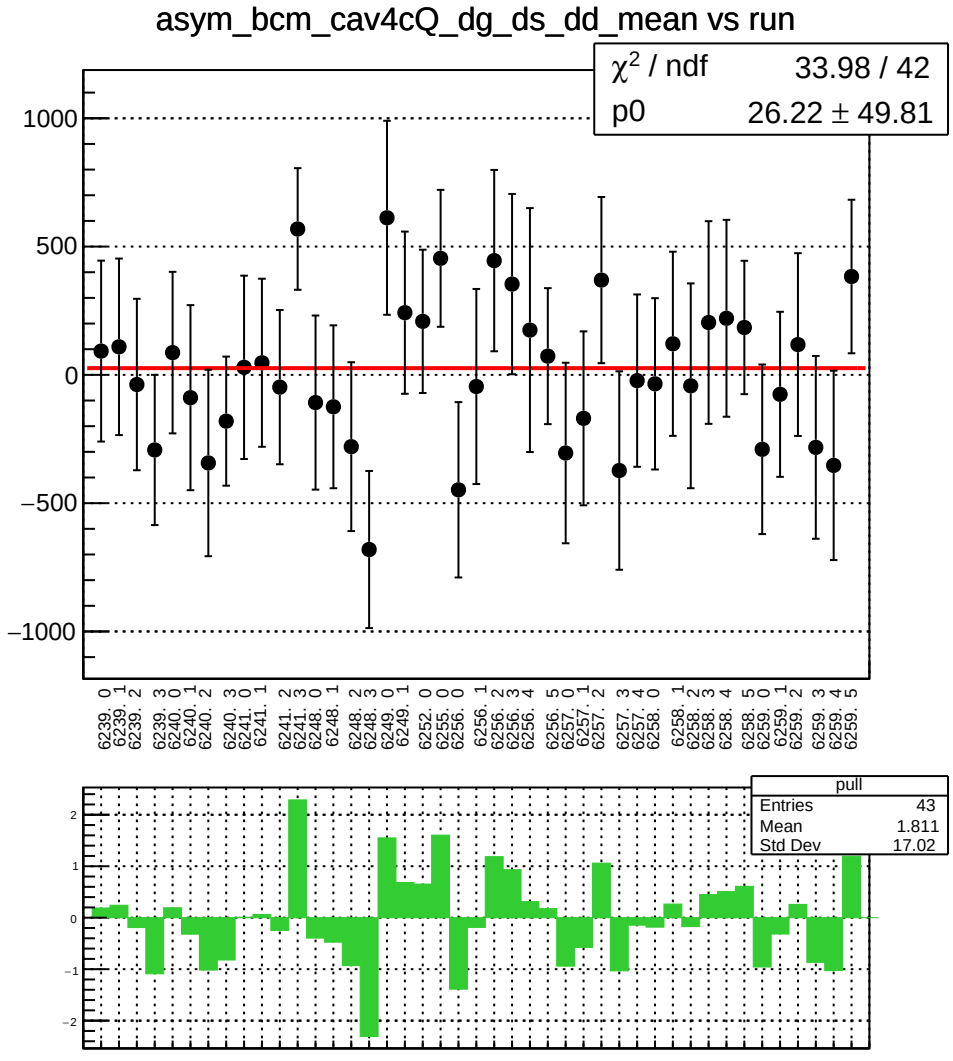

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 3.4e+04 / 42
p0 206.1 ± 0.2255
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

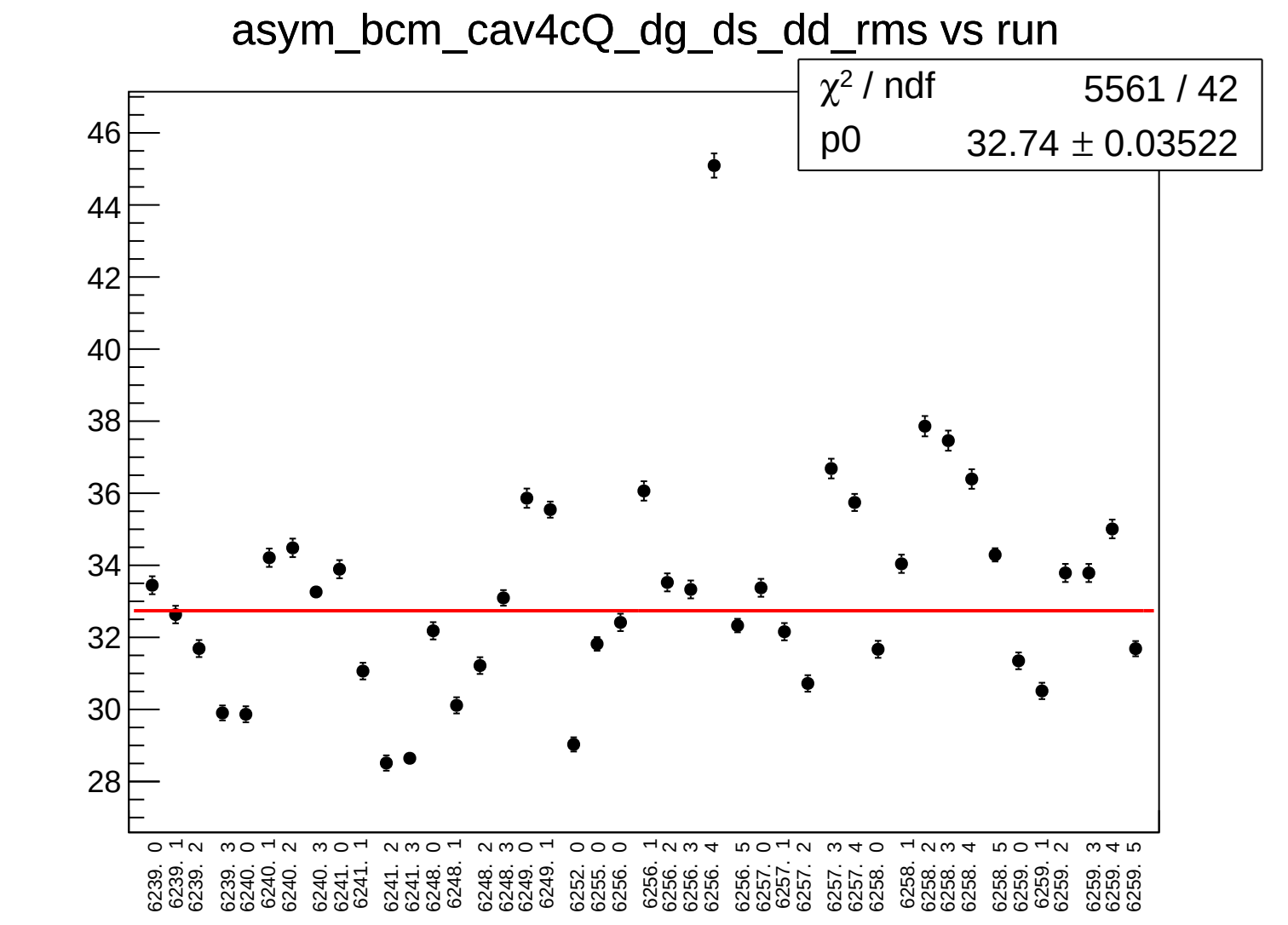

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 46.74 / 42
p0 37.65 ± 45.07
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −140.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01426
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

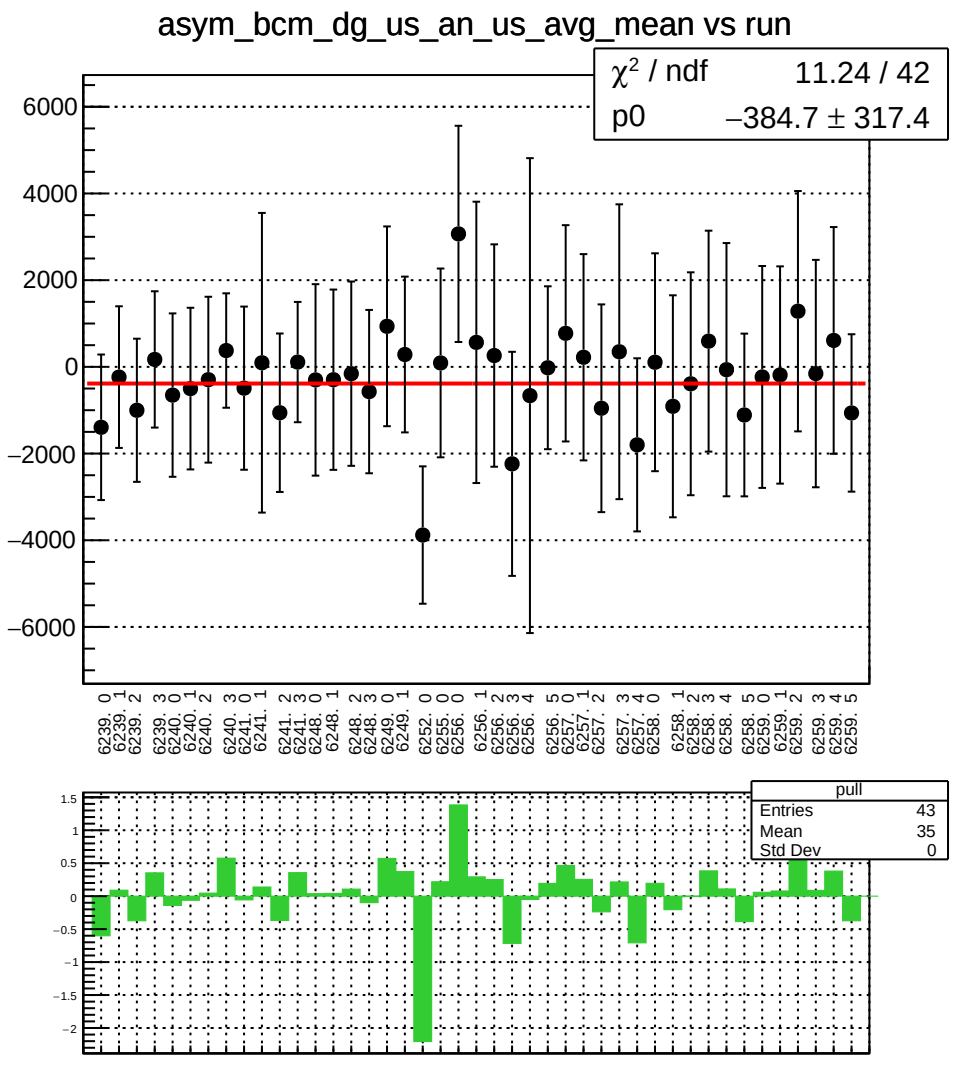

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 6492 / 42
p0 29.6 ± 0.03187
44
42
40
38
36
34
32
30
28
26
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

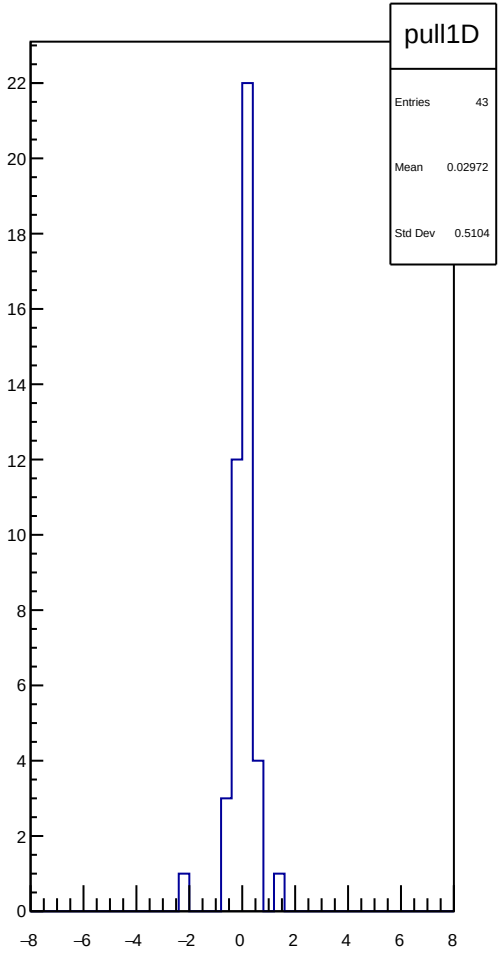

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 12.67 / 42
p0 −295.5 ± 320.6
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.18
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03785
Std Dev 0.5416
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

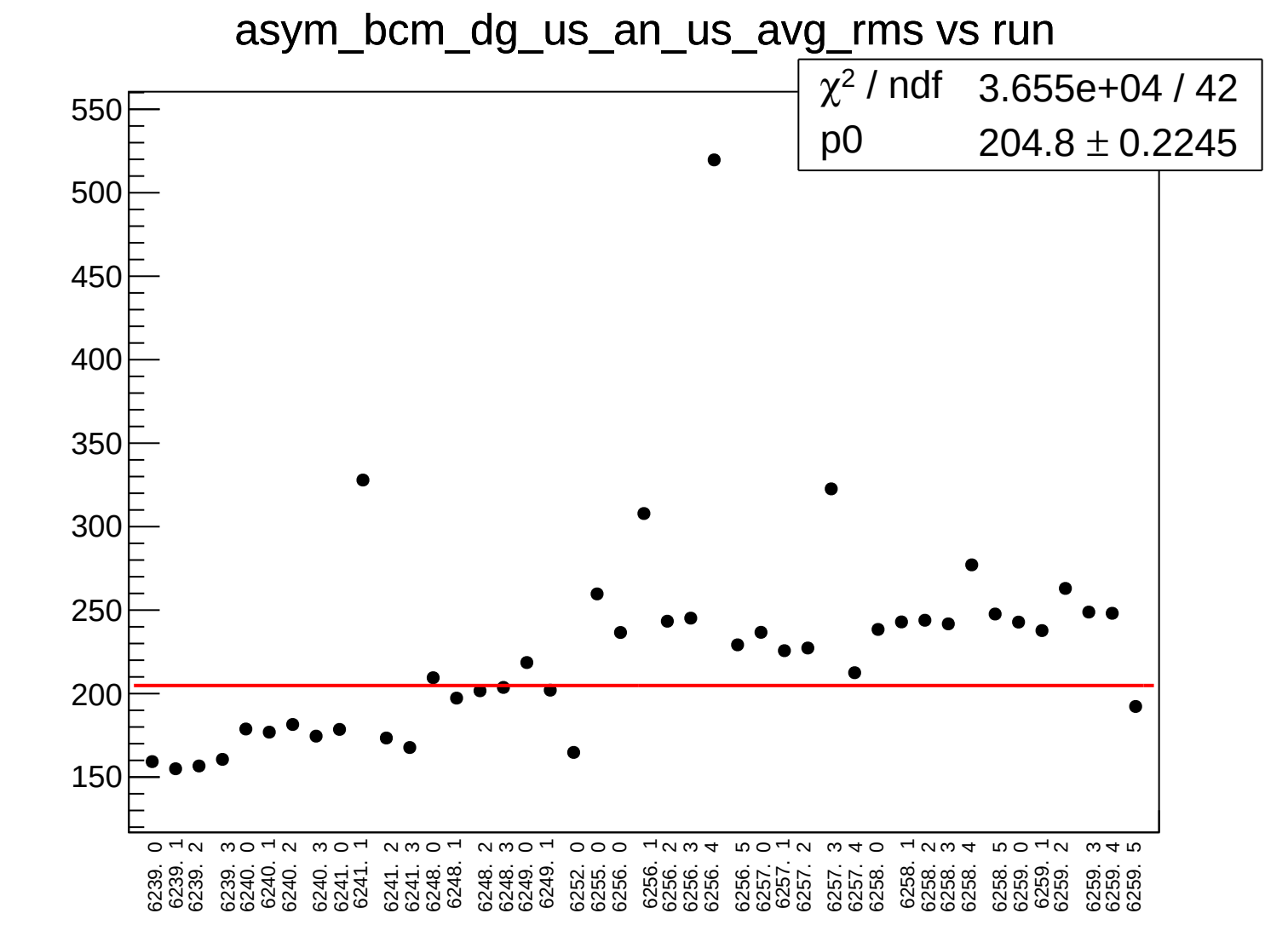

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 3.393e+04 / 42
p0 207.2 ± 0.2267
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

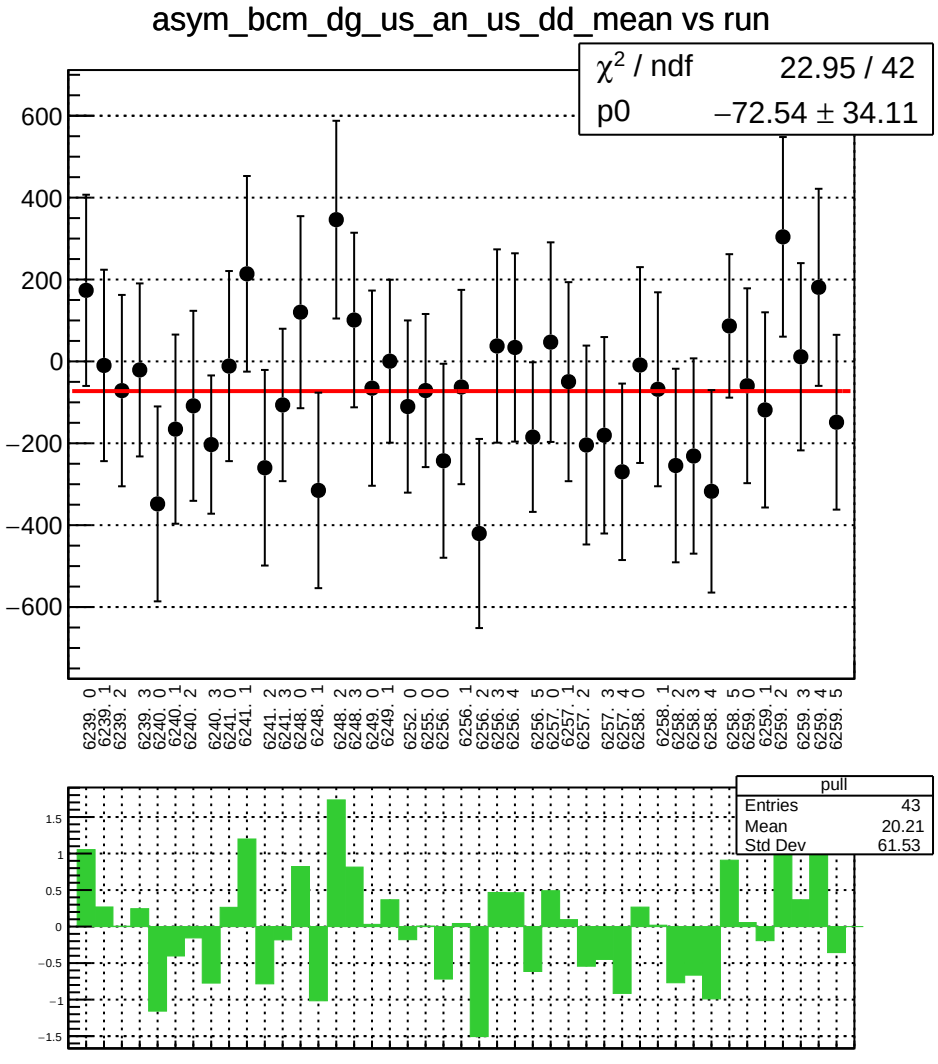

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 33.98 / 42
p0 26.22 ± 49.81
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.811
Std Dev 17.02
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02704
Std Dev 0.8886
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

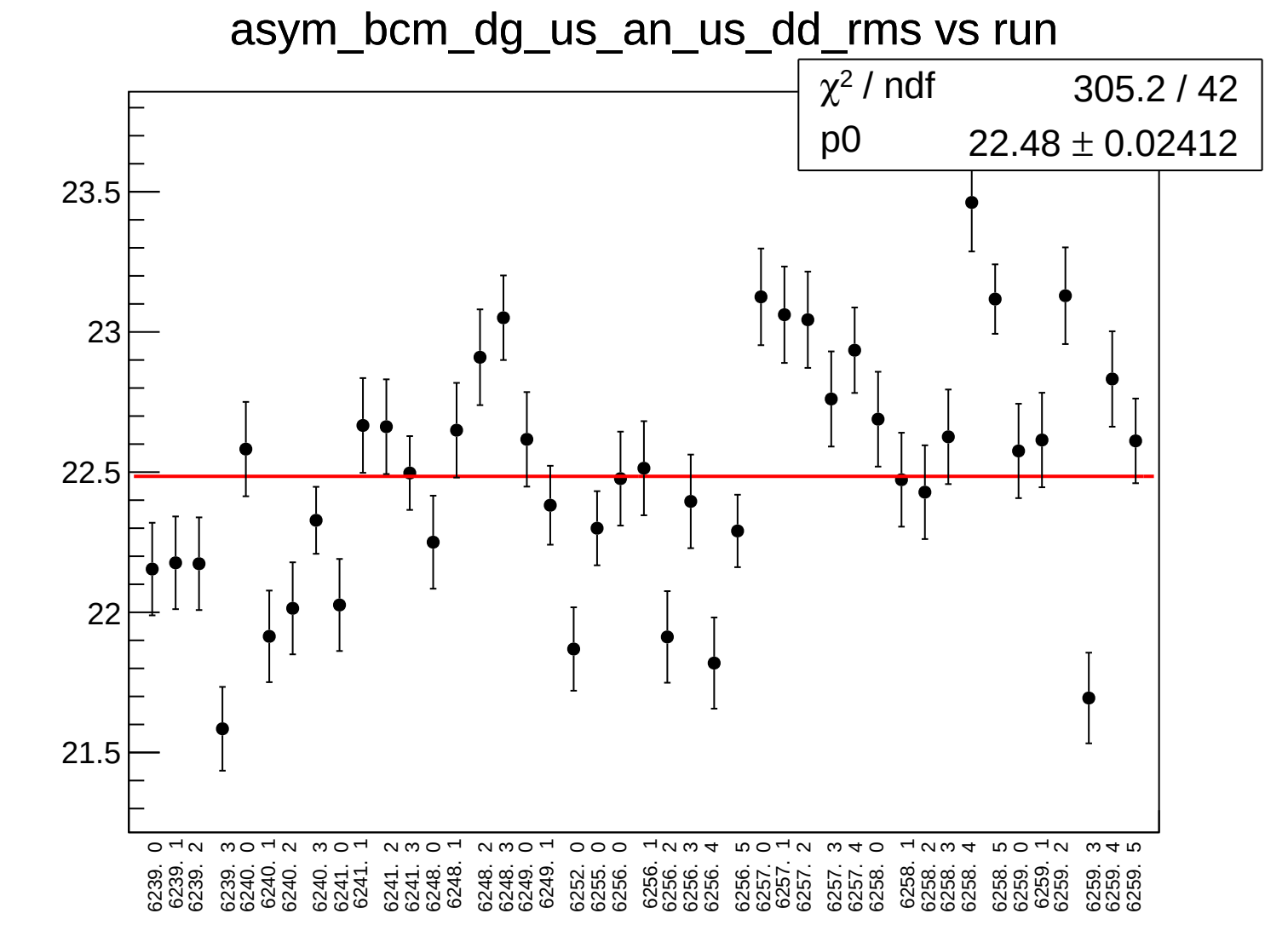

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 5561 / 42
p0 32.74 ± 0.03522
46
44
42
40
38
36
34
32
30
28
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

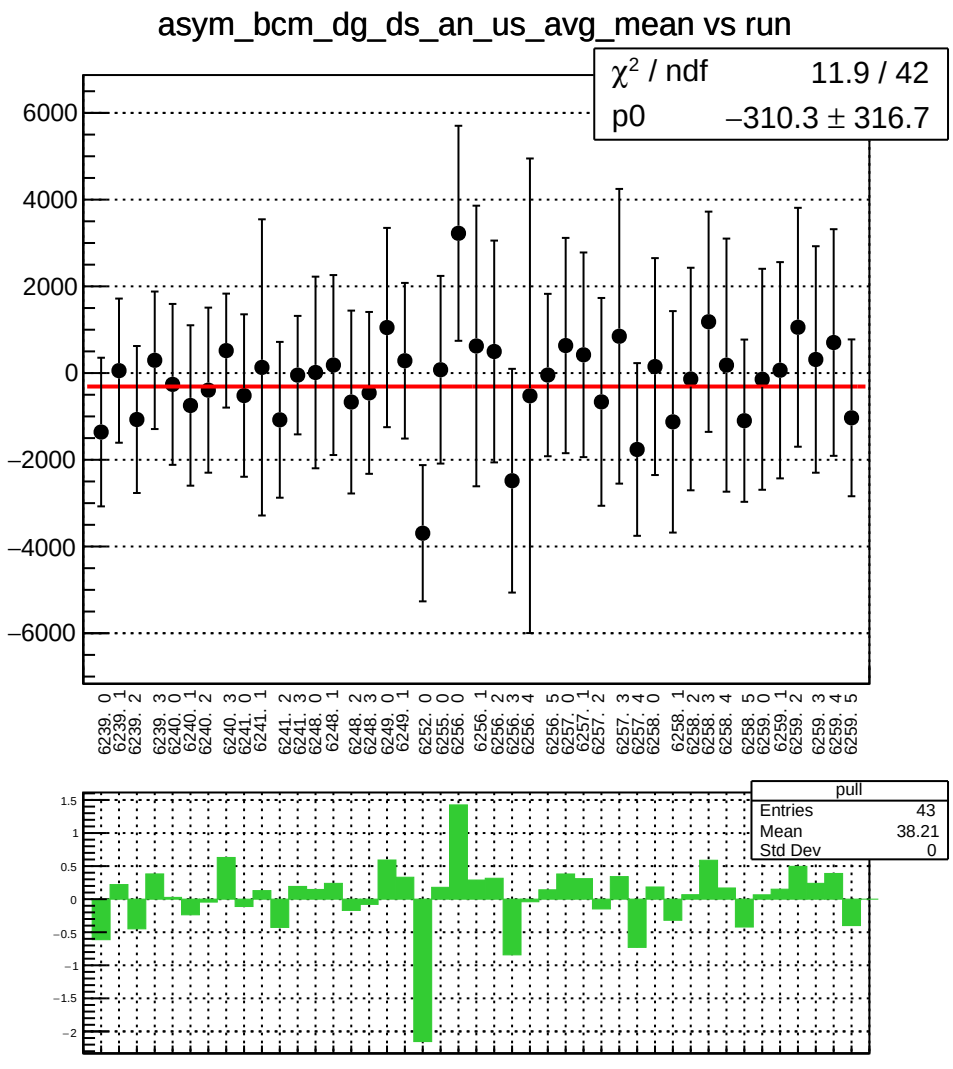

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 11.24 / 42
p0 −384.7 ± 317.4
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

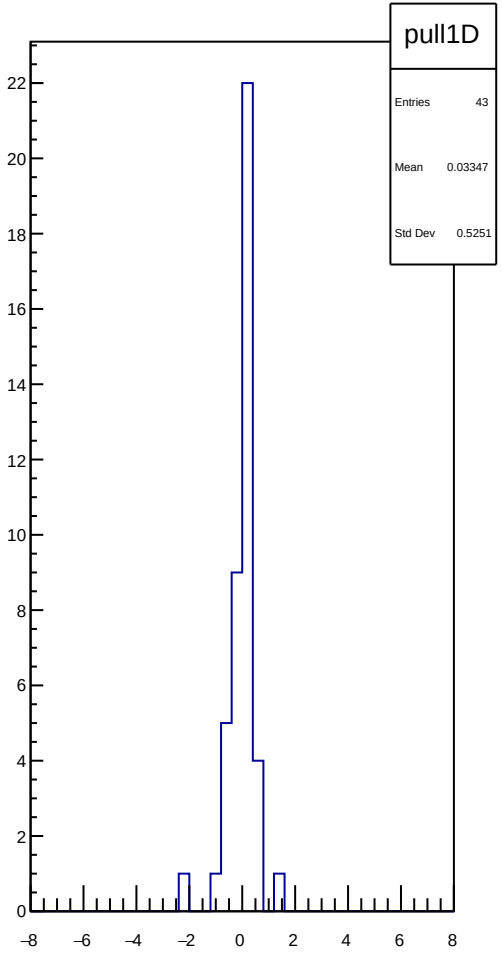

pull1D
Entries 43
Mean 0.02972
Std Dev 0.5104
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

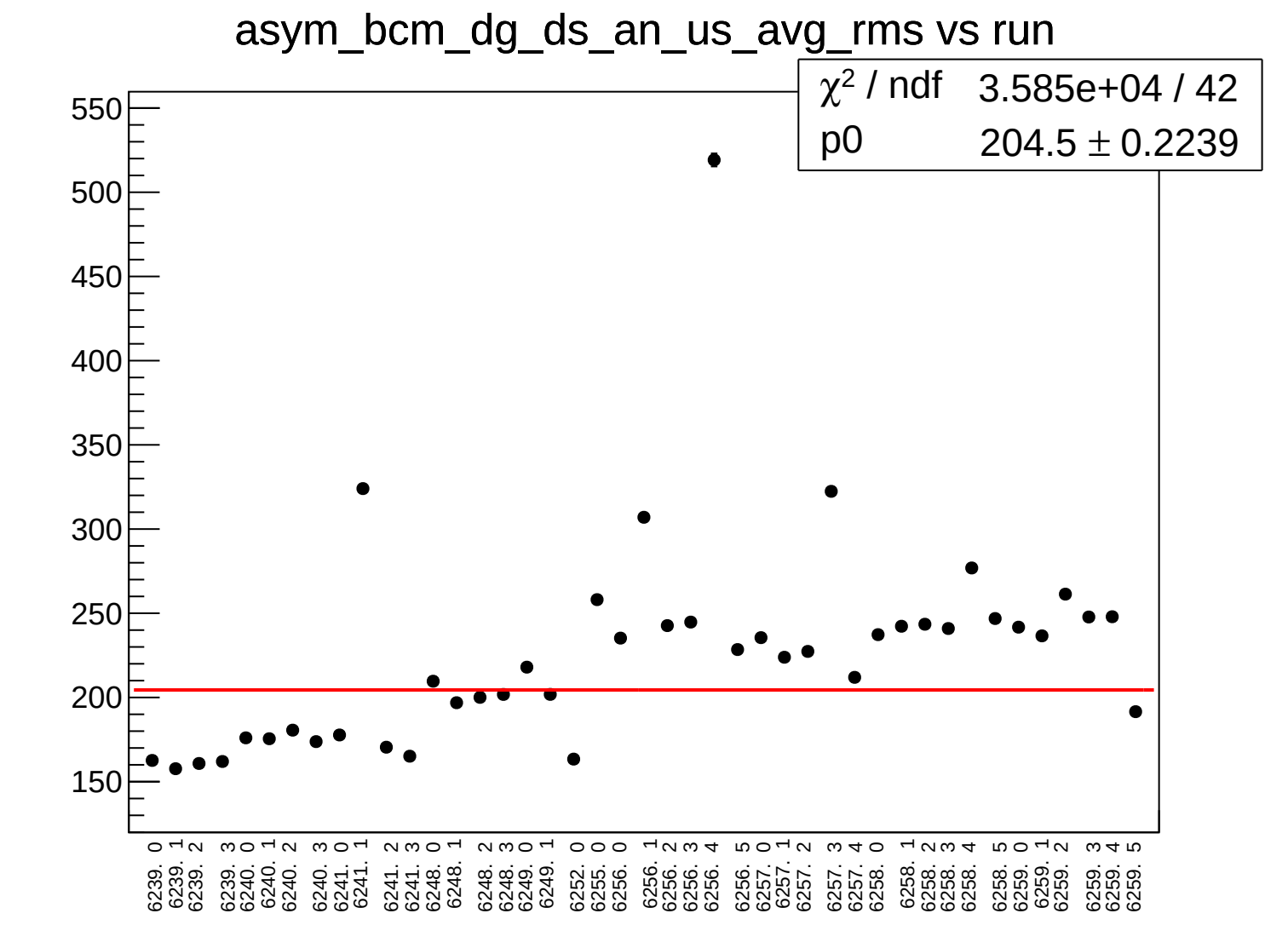

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.655e+04 / 42
p0 204.8 ± 0.2245
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

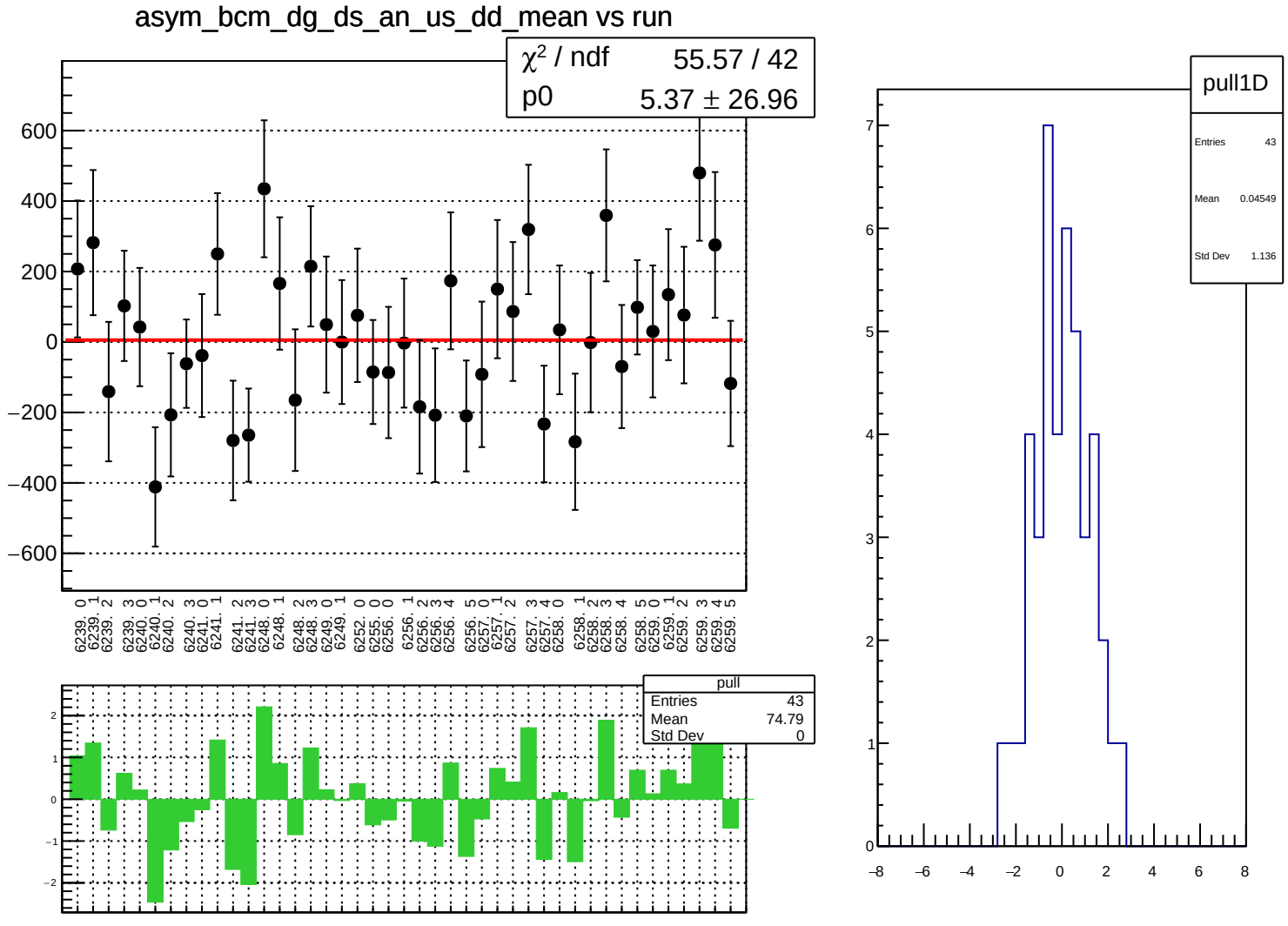

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 22.95 / 42
p0 −72.54 ± 34.11
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.21
Std Dev 61.53
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.004952
Std Dev 0.7306
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

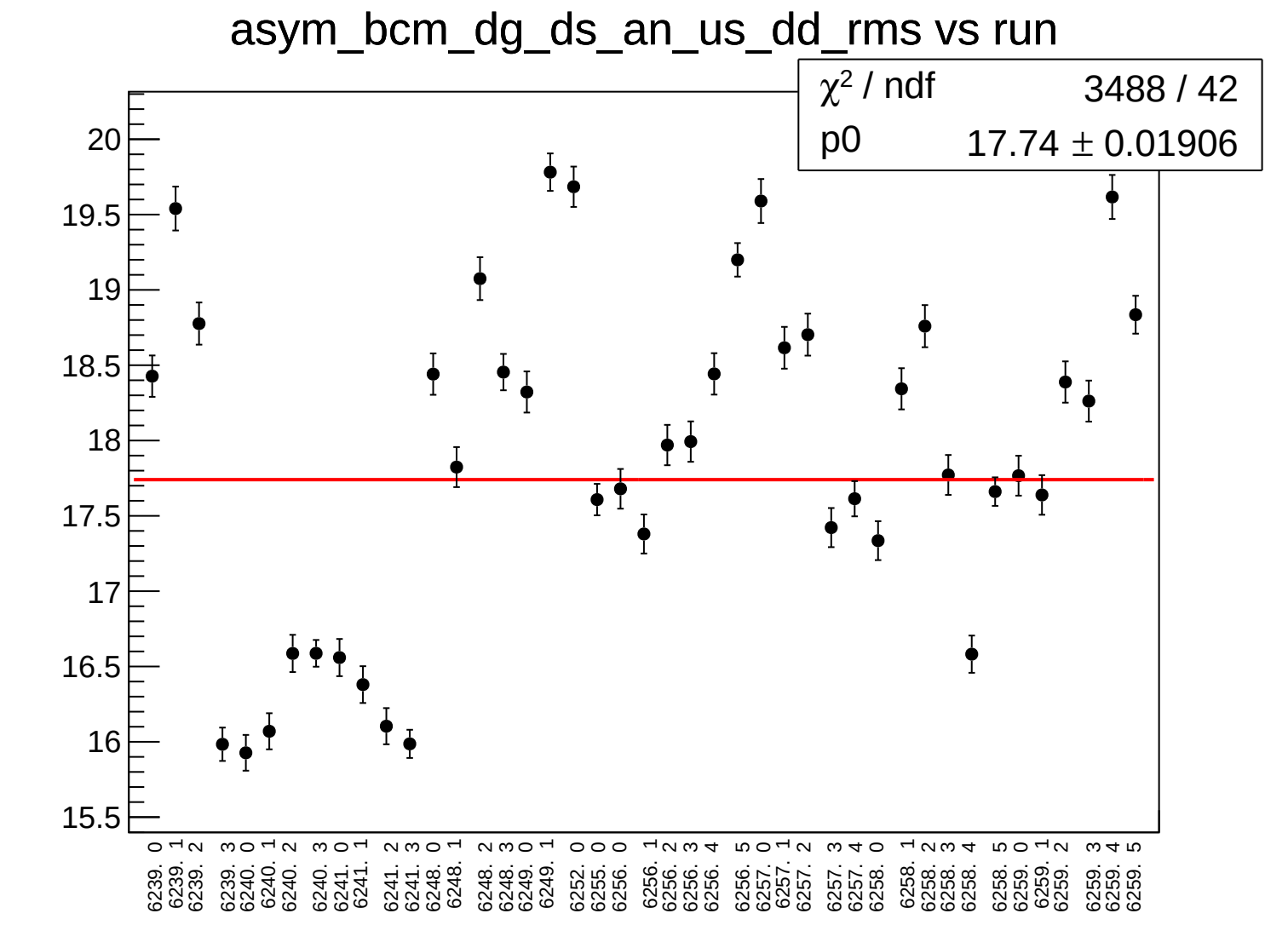

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 305.2 / 42
p0 22.48 ± 0.02412
23.5
23
22.5
22
21.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

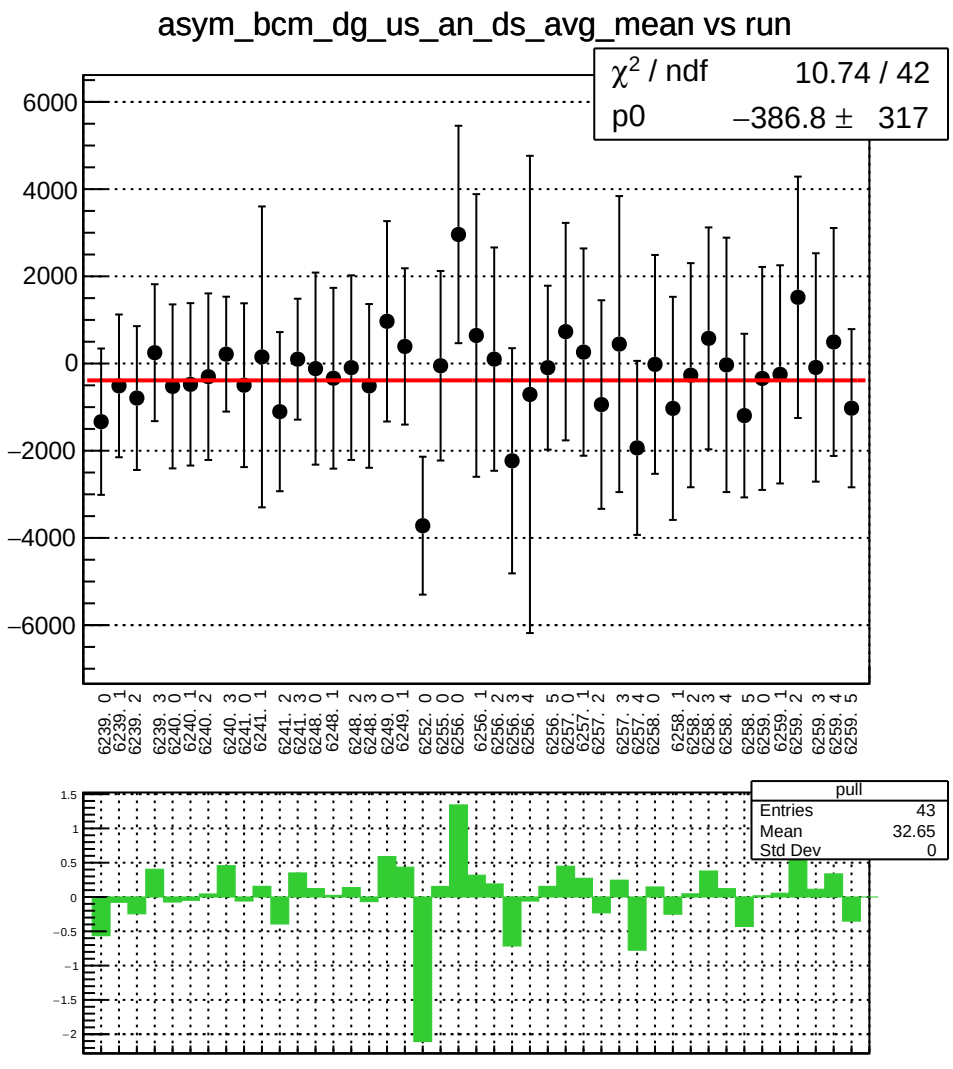

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 11.9 / 42
p0 −310.3 ± 316.7
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

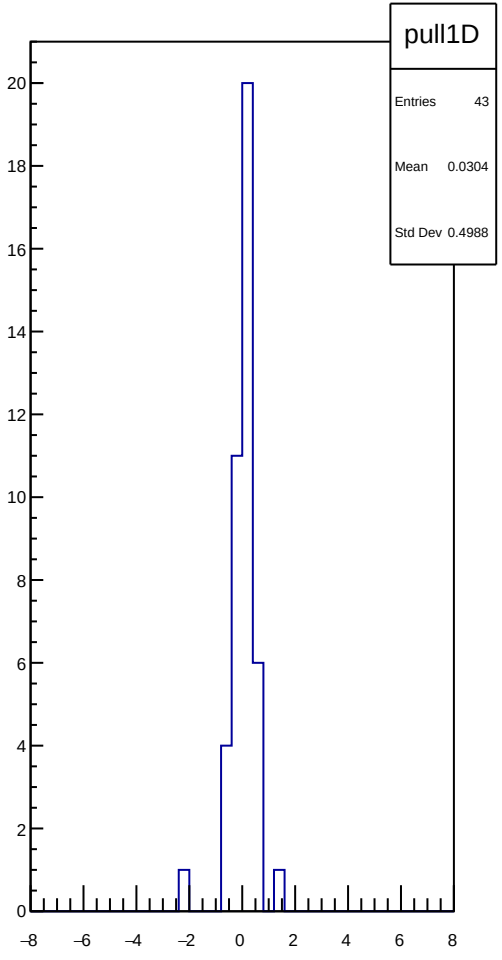

pull1D
Entries 43
Mean 0.03347
Std Dev 0.5251
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

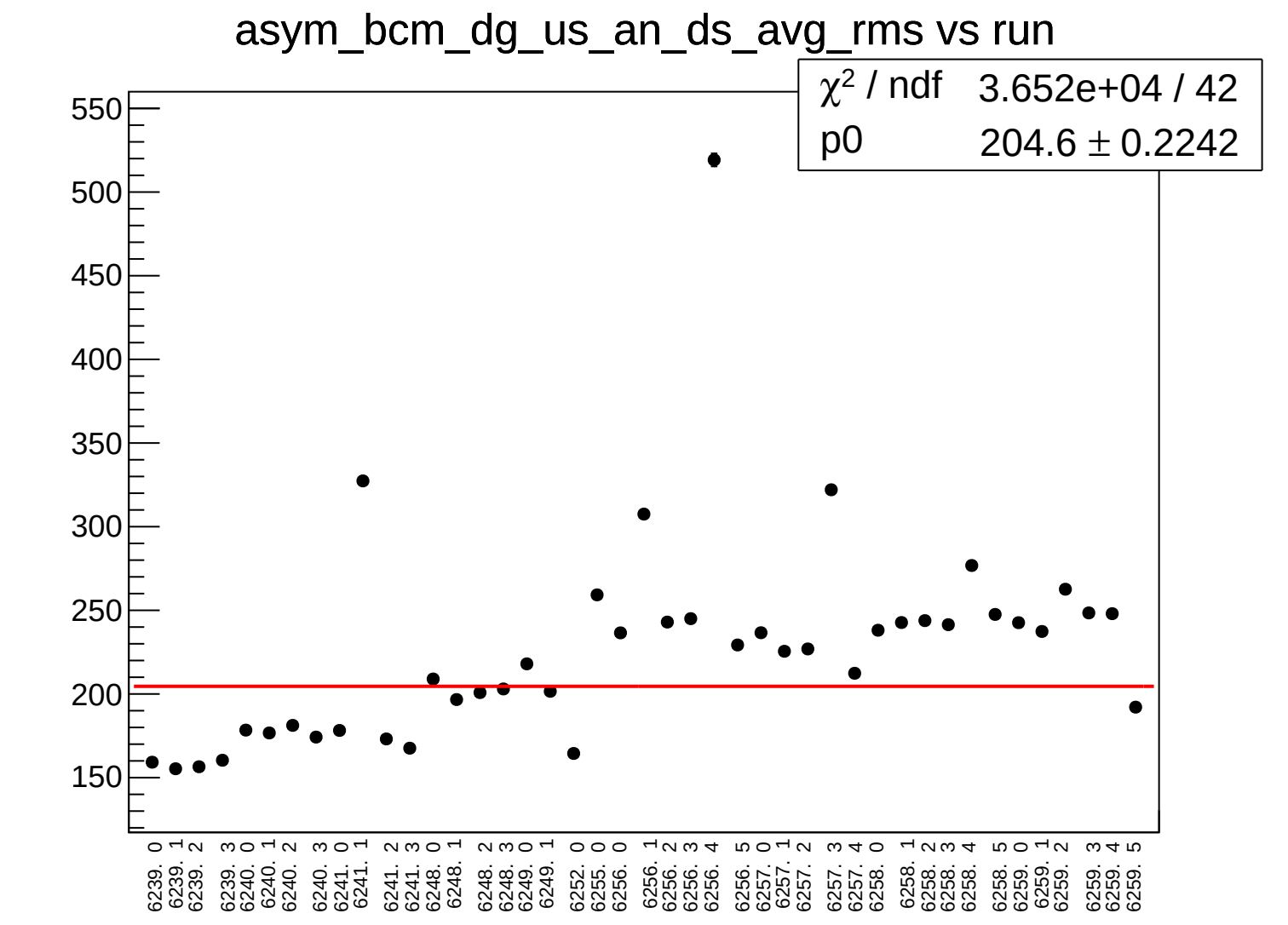

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.585e+04 / 42
p0 204.5 ± 0.2239
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

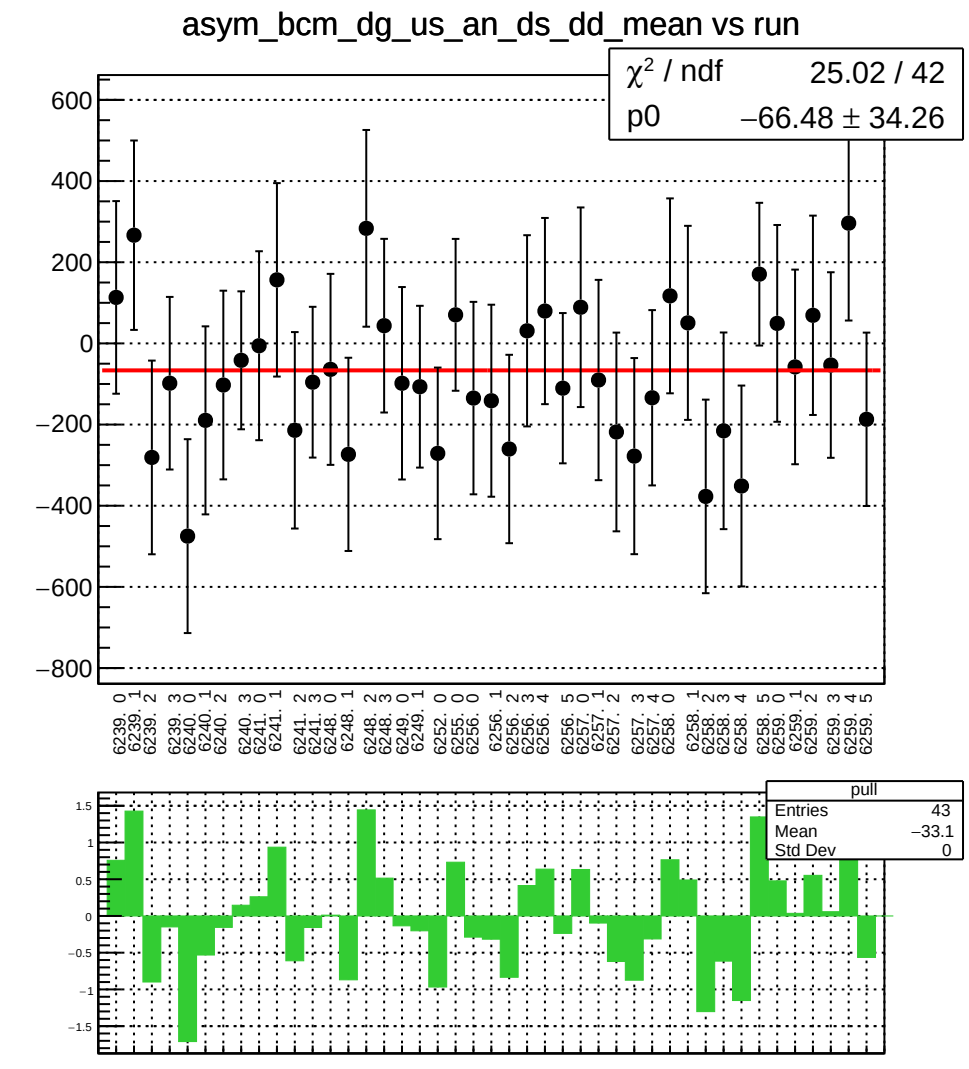

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 55.57 / 42
p0 5.37 ± 26.96
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 74.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04549
Std Dev 1.136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

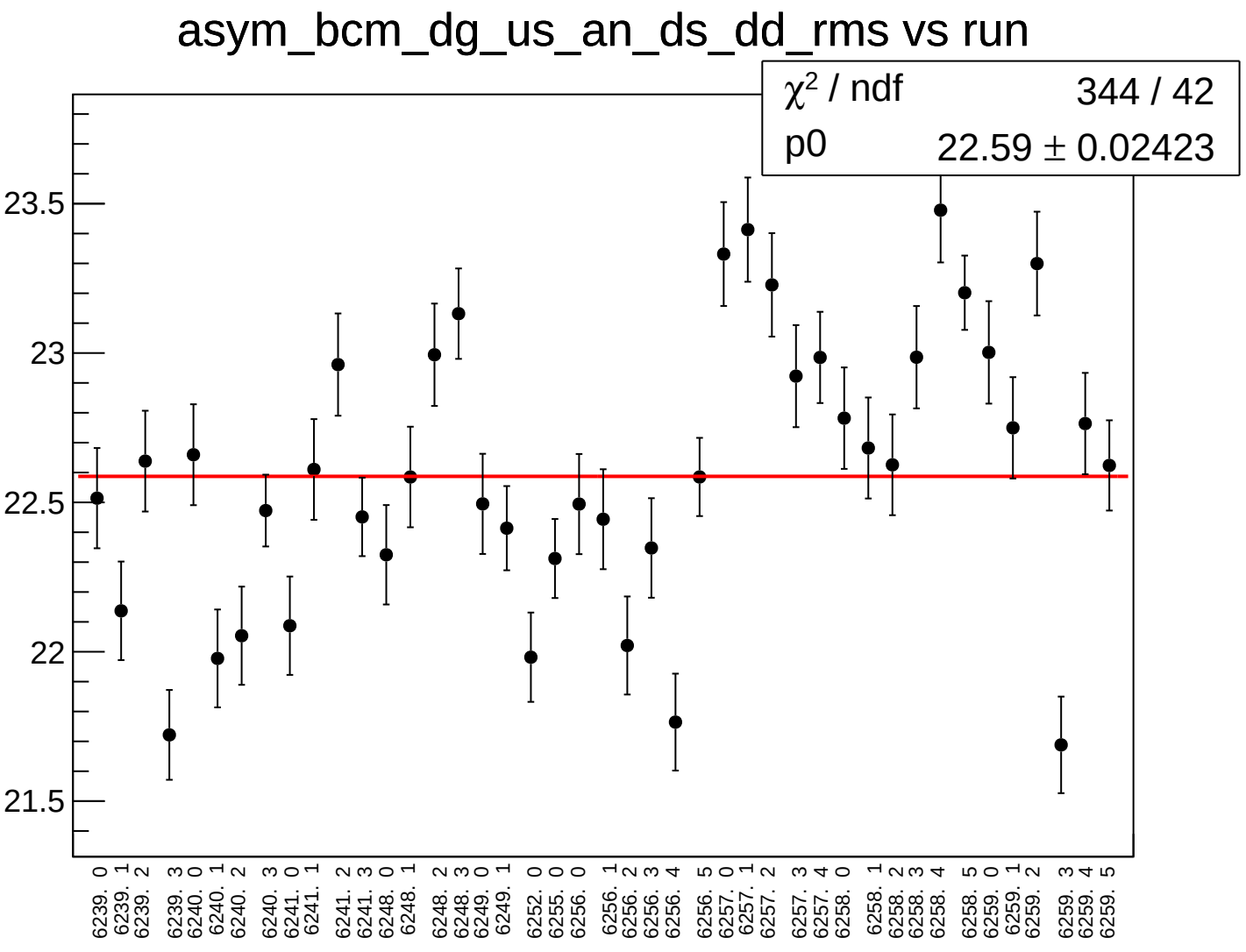

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 3488 / 42
p0 17.74 ± 0.01906
20
19.5
19
18.5
18
17.5
17
16.5
16
15.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

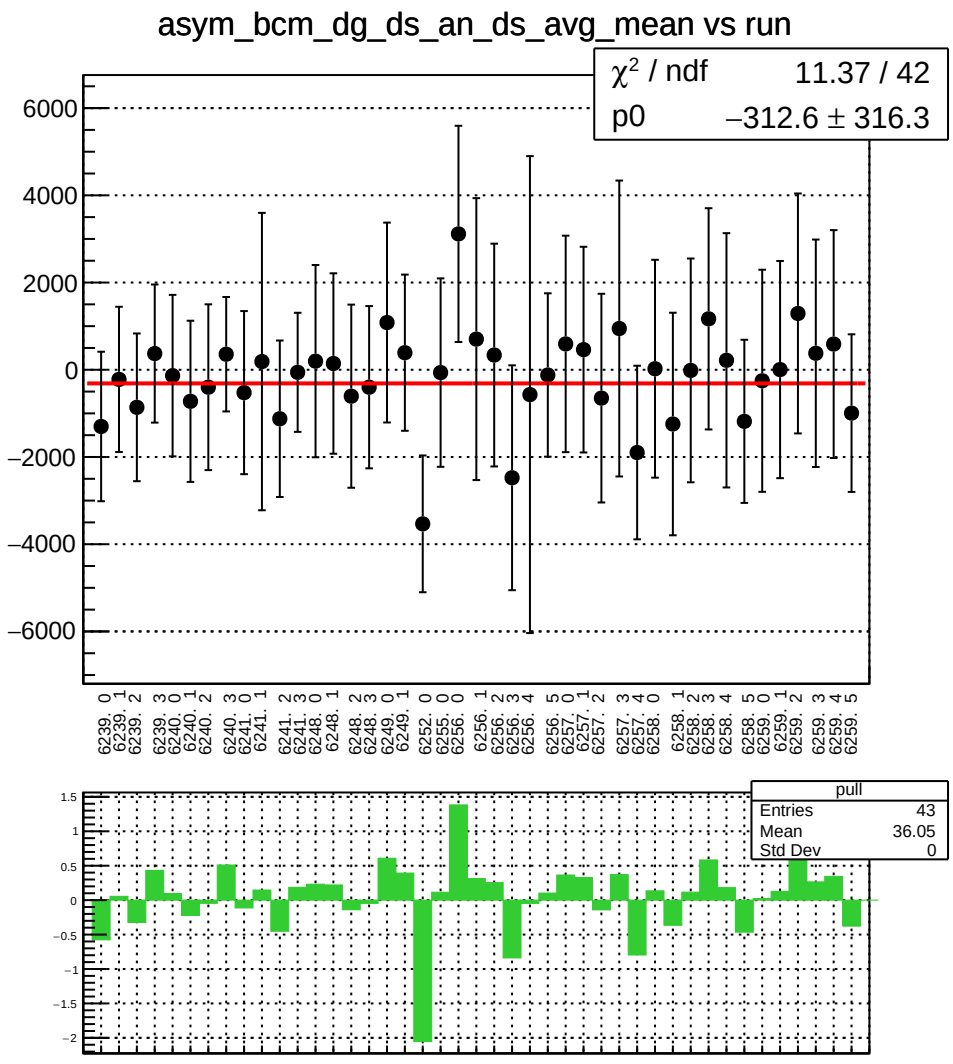

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 10.74 / 42
p0 −386.8 ± 317
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 32.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

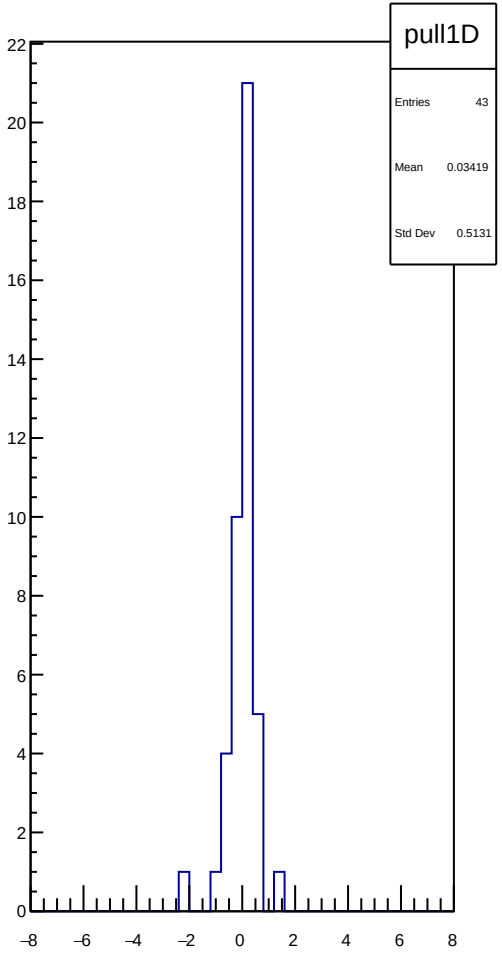

pull1D
Entries 43
Mean 0.0304
Std Dev 0.4988
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

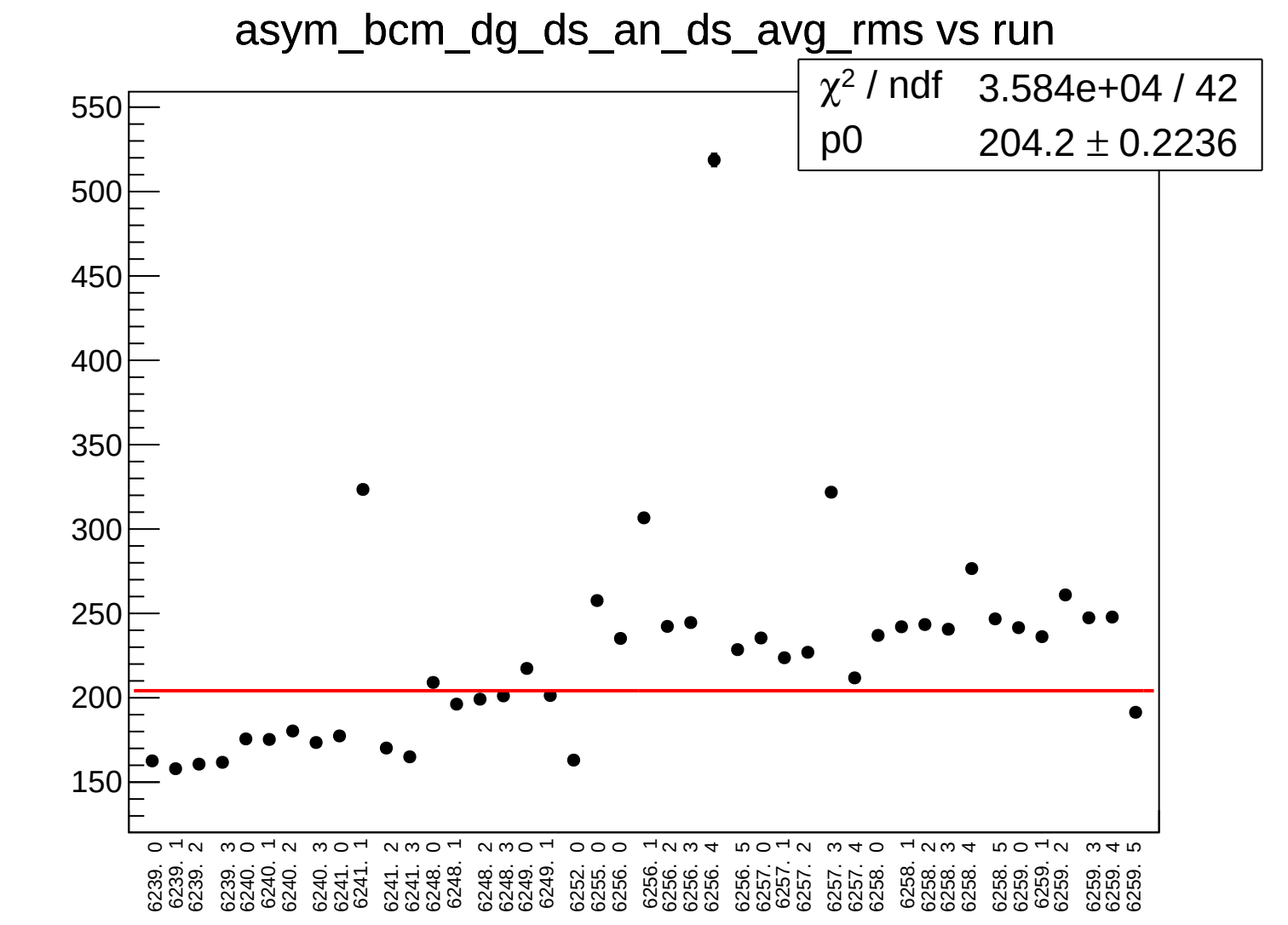

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.652e+04 / 42
p0 204.6 ± 0.2242
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

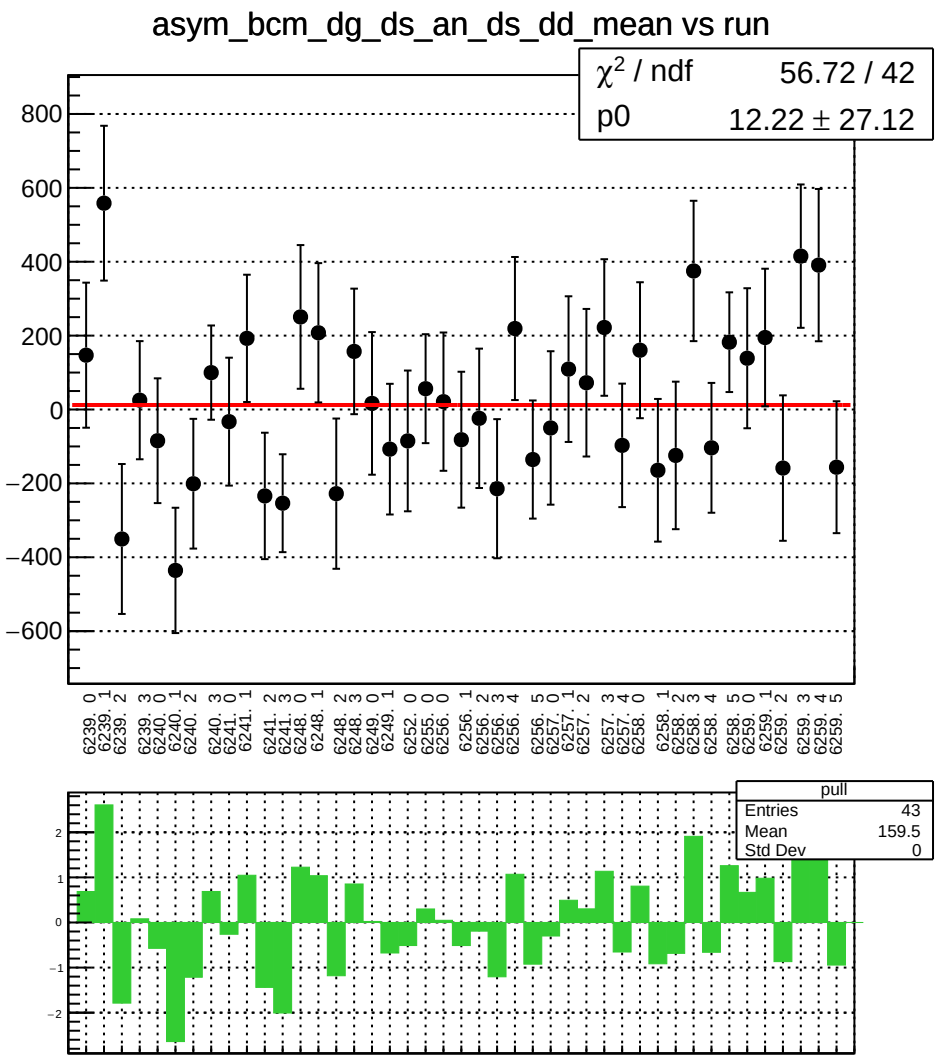

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 25.02 / 42
p0 −66.48 ± 34.26
600
400
200
0
−200
−400
−600
−800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −33.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01034
Std Dev 0.7628
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

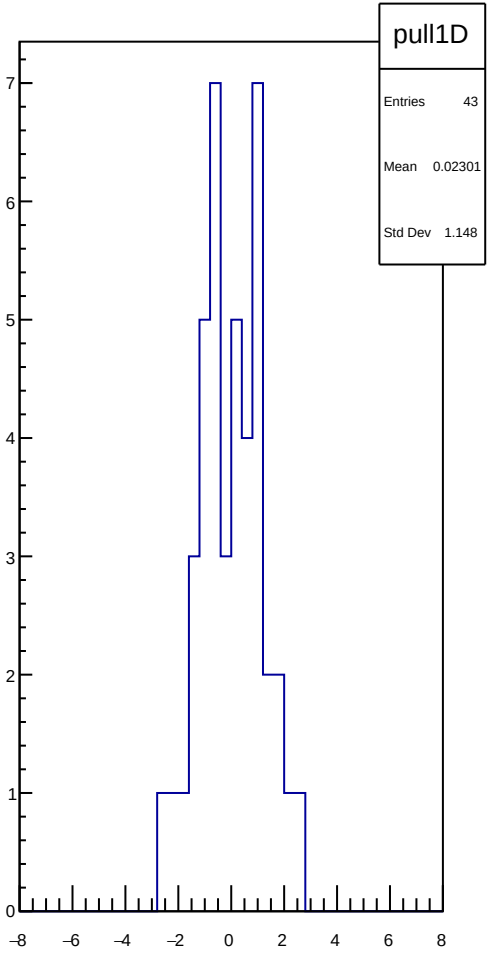

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 344 / 42
p0 22.59 ± 0.02423
23.5
23
22.5
22
21.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

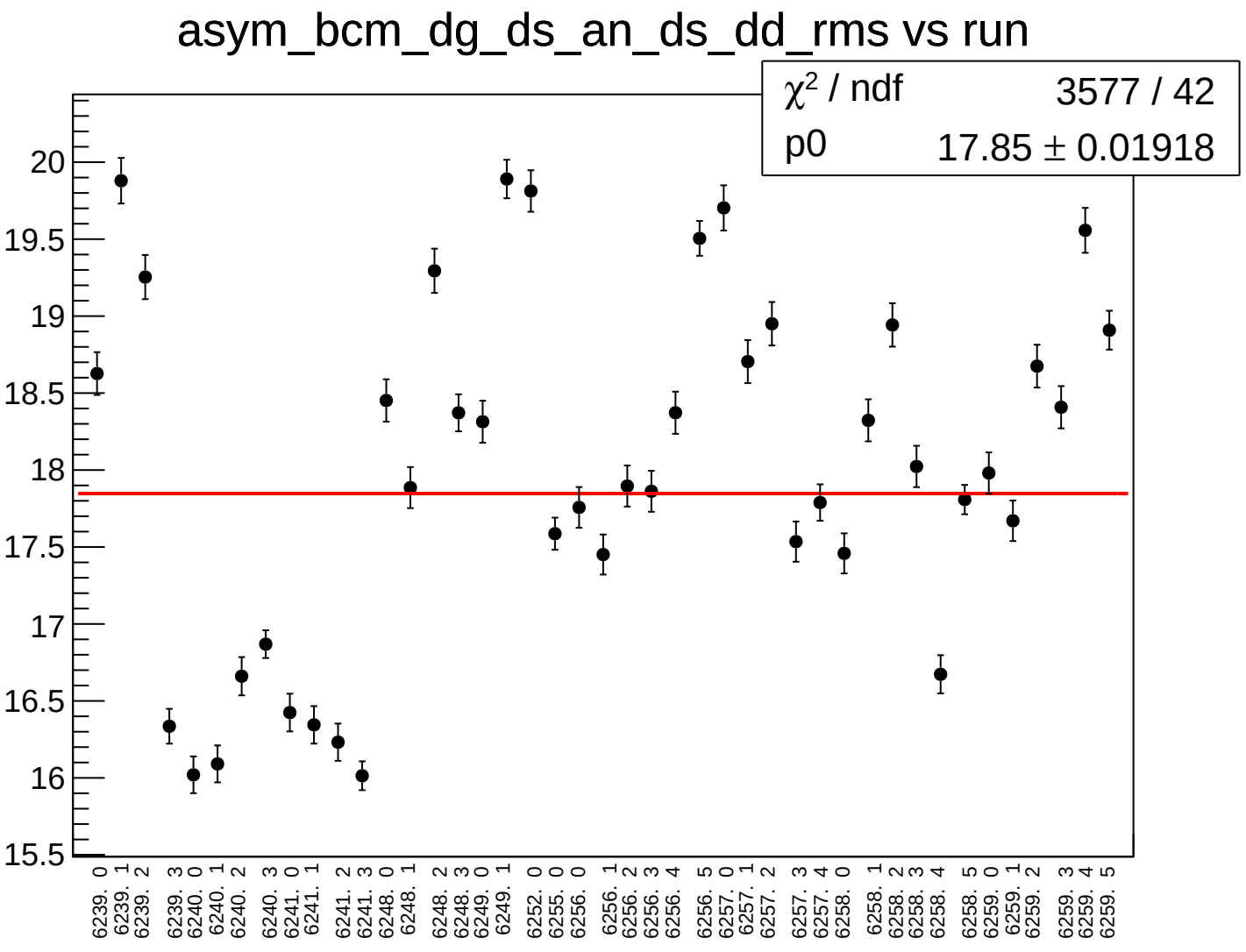

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 11.37 / 42
p0 −312.6 ± 316.3
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

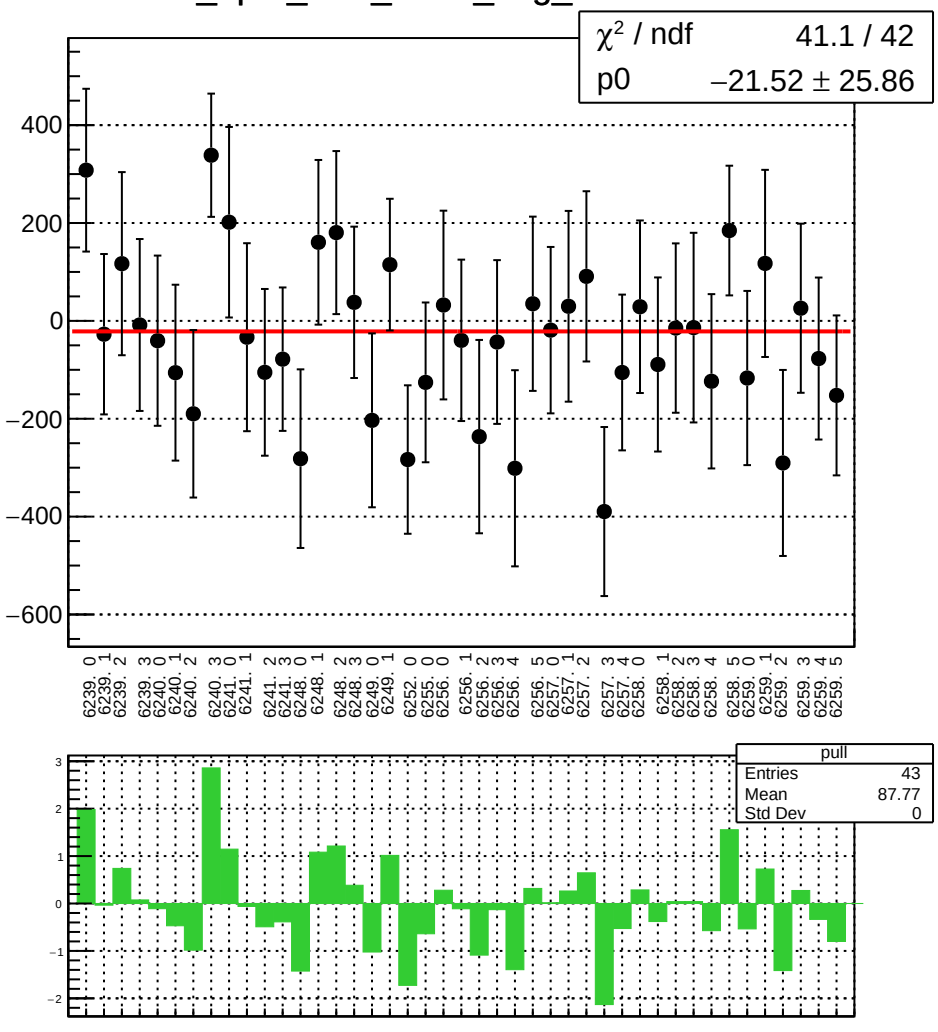

pull1D
Entries 43
Mean 0.03419
Std Dev 0.5131
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

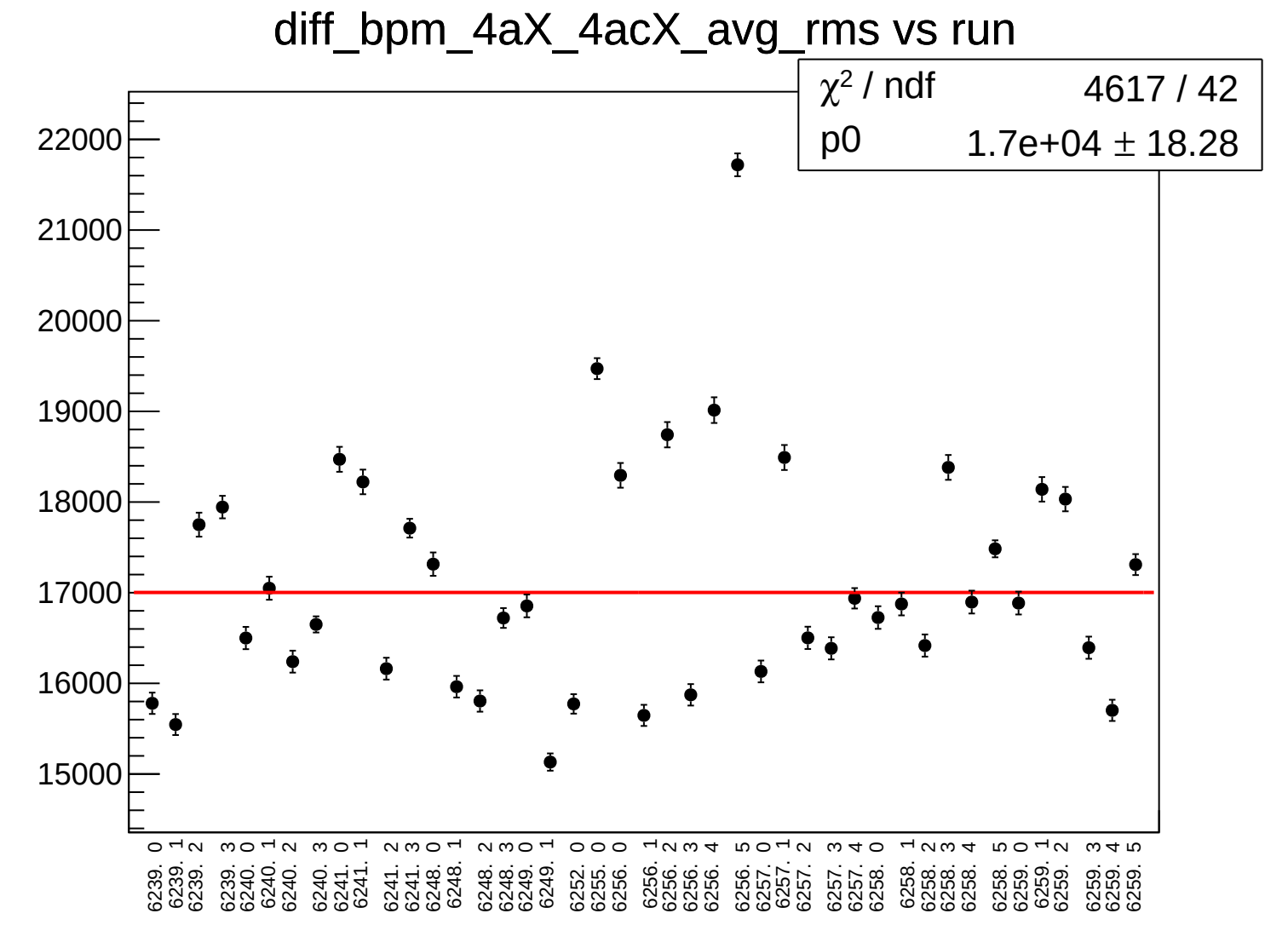

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.584e+04 / 42
p0 204.2 ± 0.2236
550
500
450
400
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

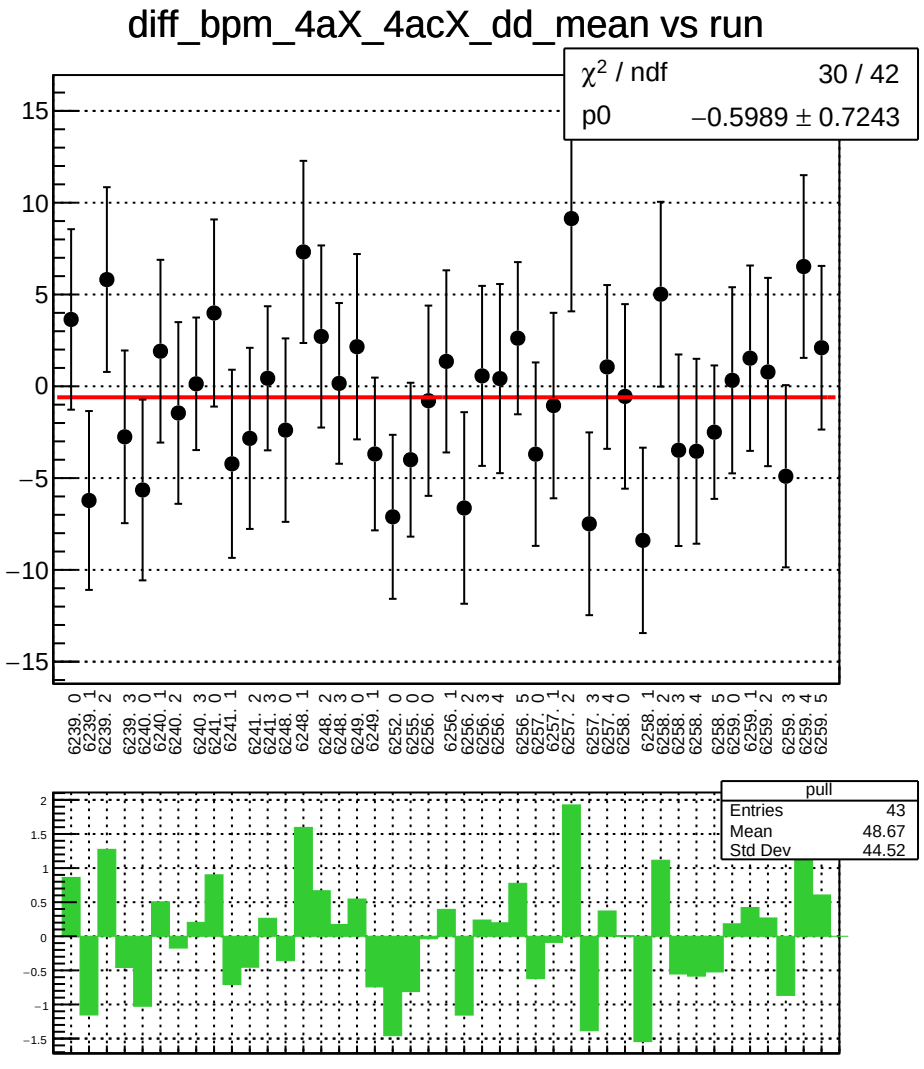

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 56.72 / 42
p0 12.22 ± 27.12
pull
Entries 43
Mean 159.5
Std Dev 0

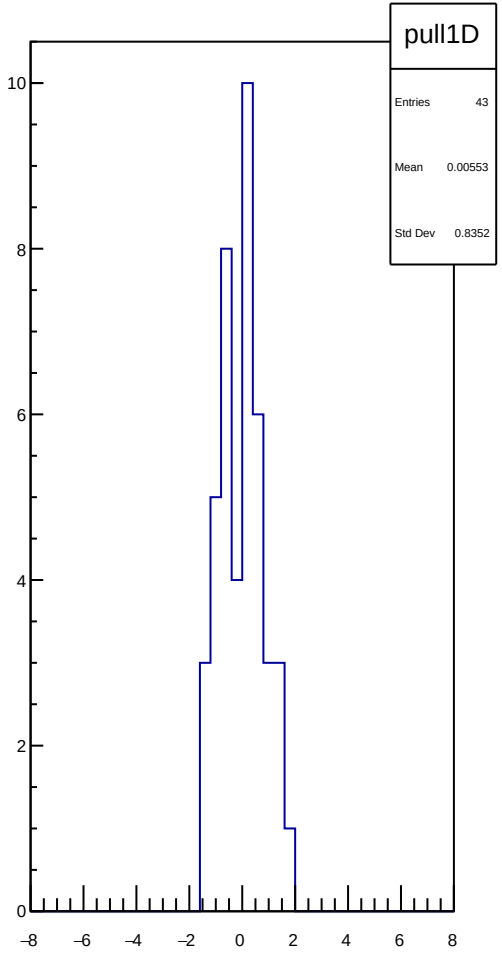

pull1D
Entries 43
Mean 0.02301
Std Dev 1.148

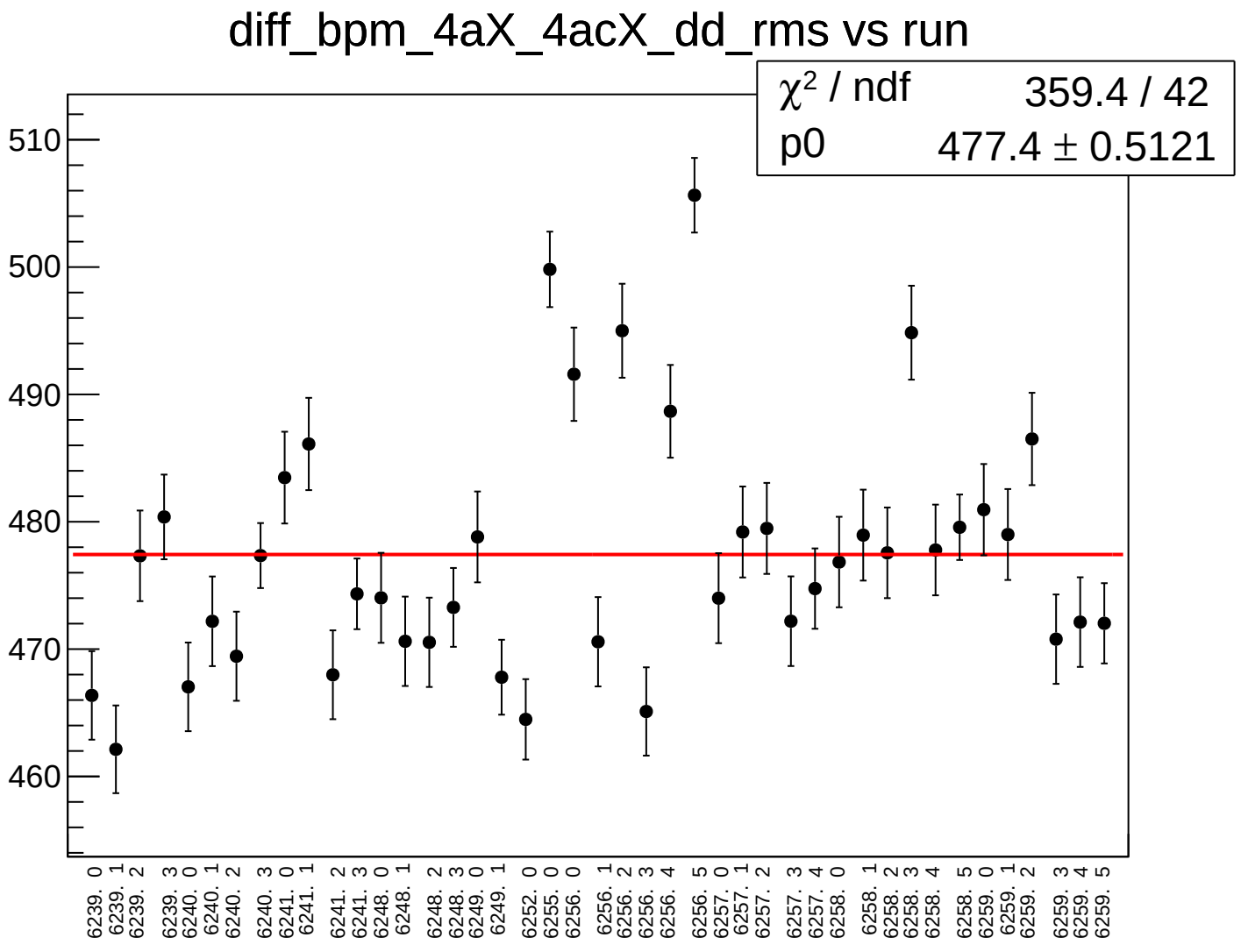

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 3577 / 42
p0 17.85 ± 0.01918
20
19.5
19
18.5
18
17.5
17
16.5
16
15.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

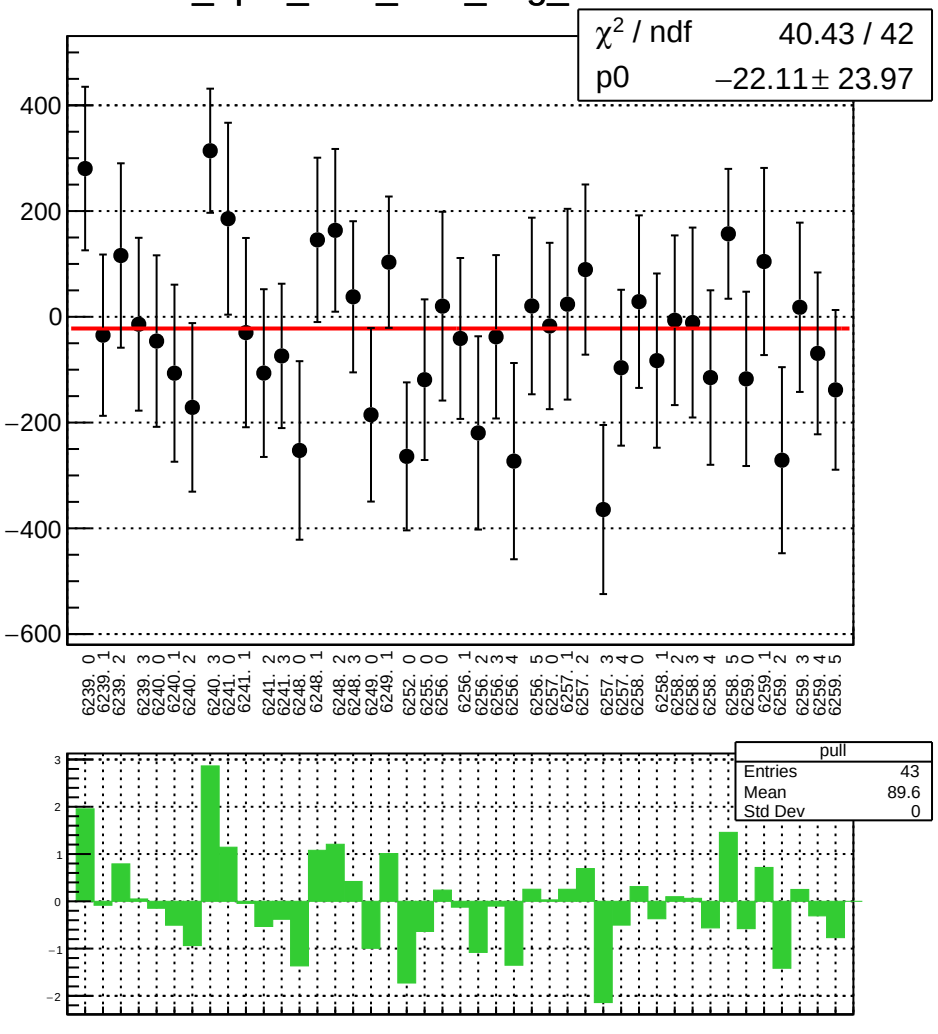

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 41.1 / 42
p0 −21.52 ± 25.86
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.77
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04258
Std Dev 0.9768
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

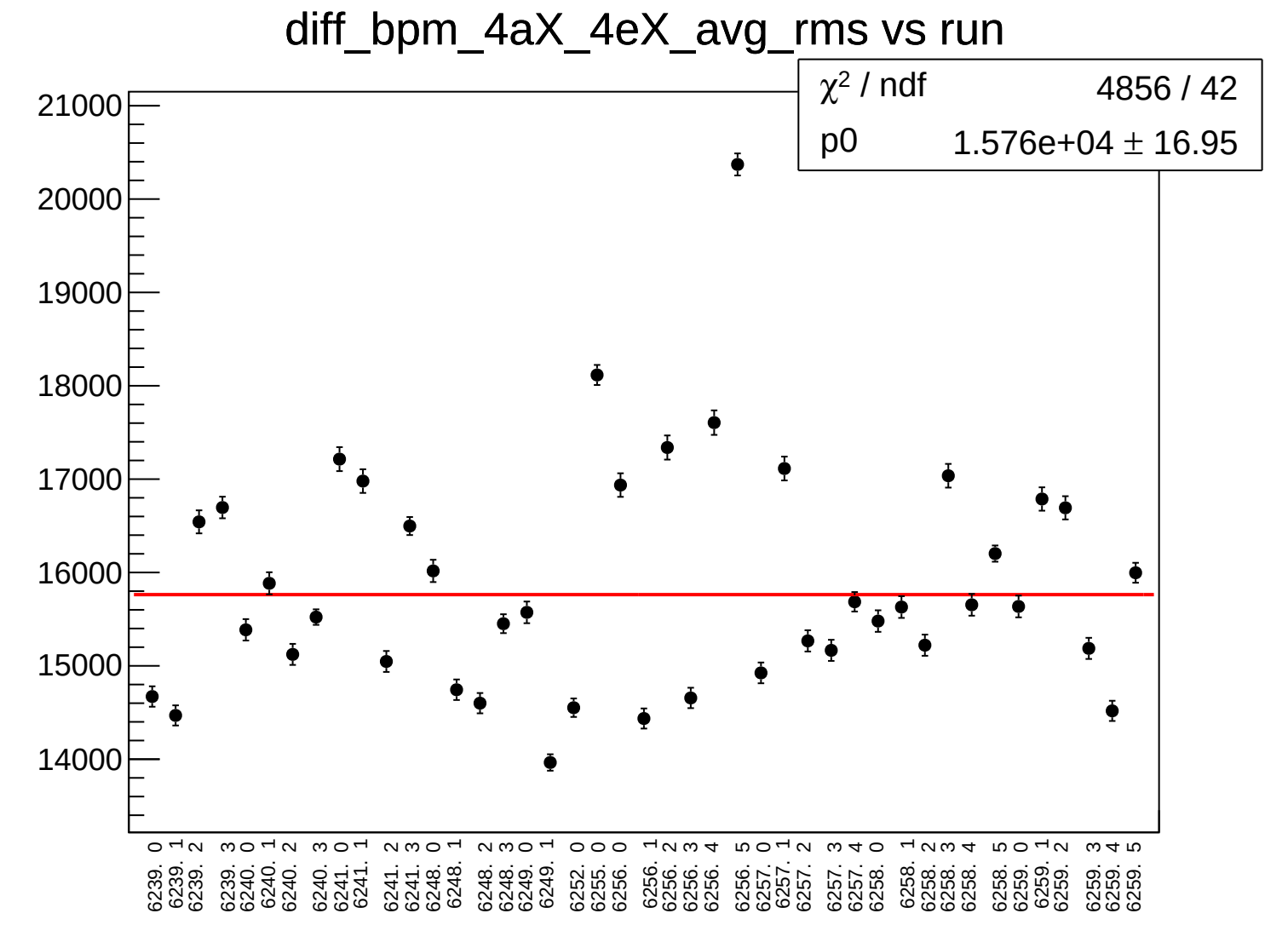

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 4617 / 42
p0 1.7e+04 ± 18.28
22000
21000
20000
19000
18000
17000
16000
15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

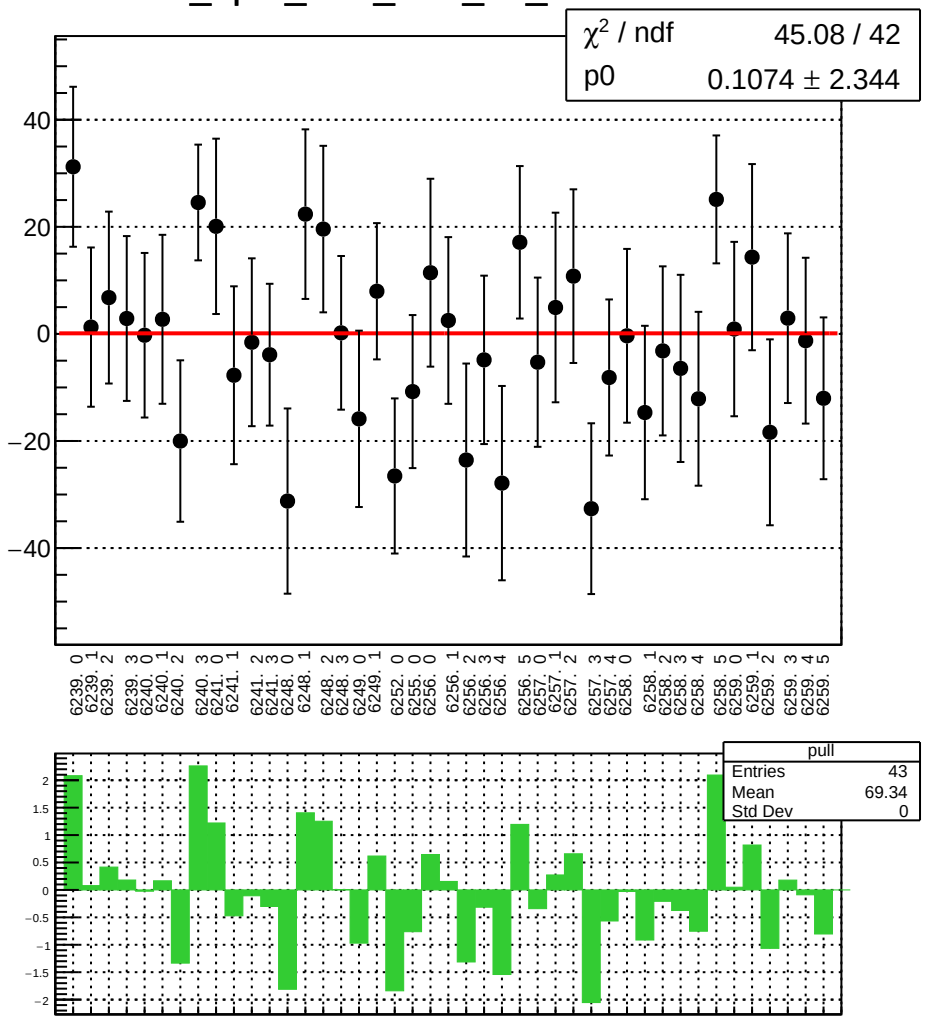

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 30 / 42
p0 −0.5989 ± 0.7243
15
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.67
Std Dev 44.52
2
1.5
1
0.5
0
−0.5
−1
−1.5

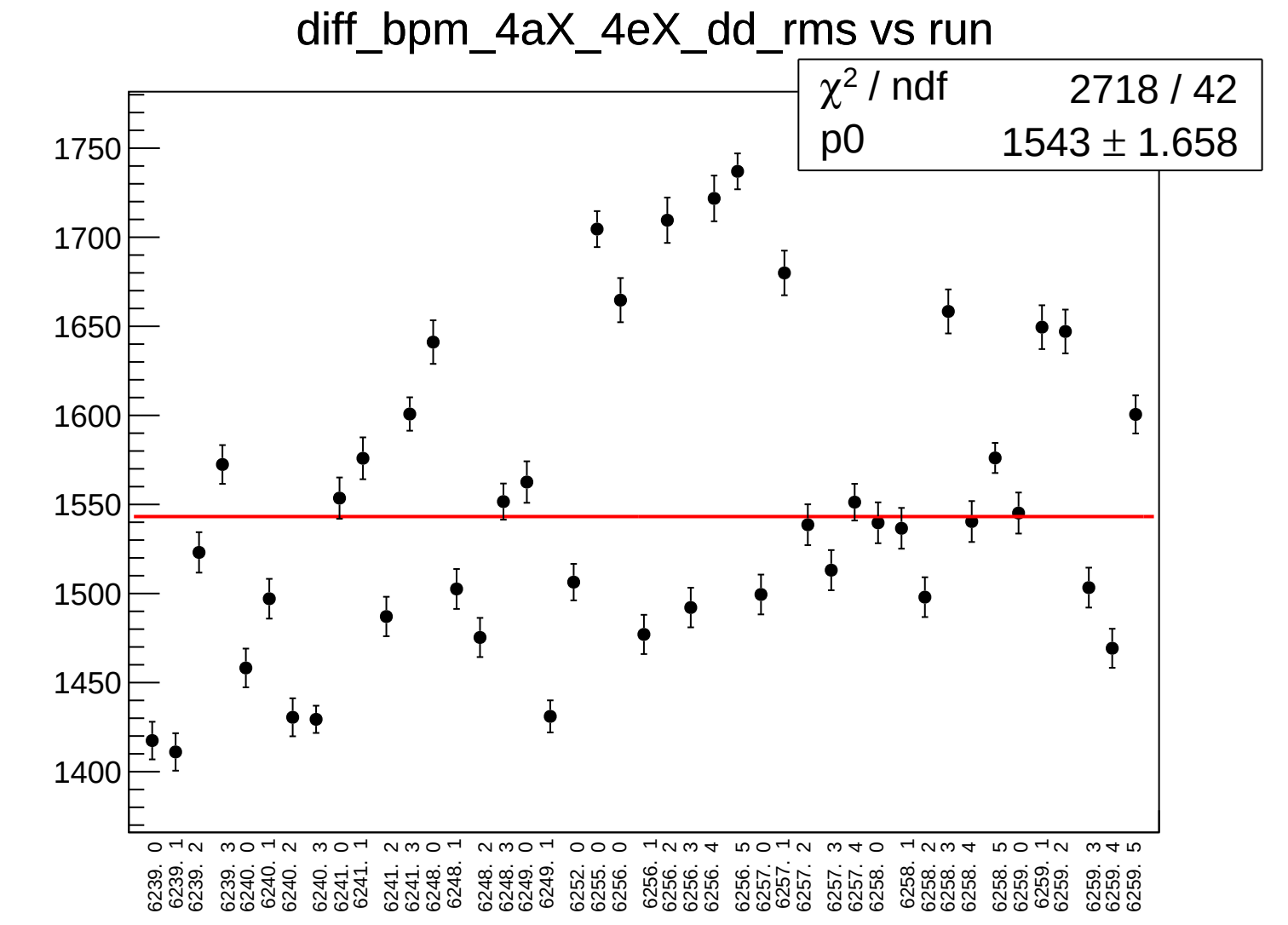

pull1D
Entries 43
Mean 0.00553
Std Dev 0.8352
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

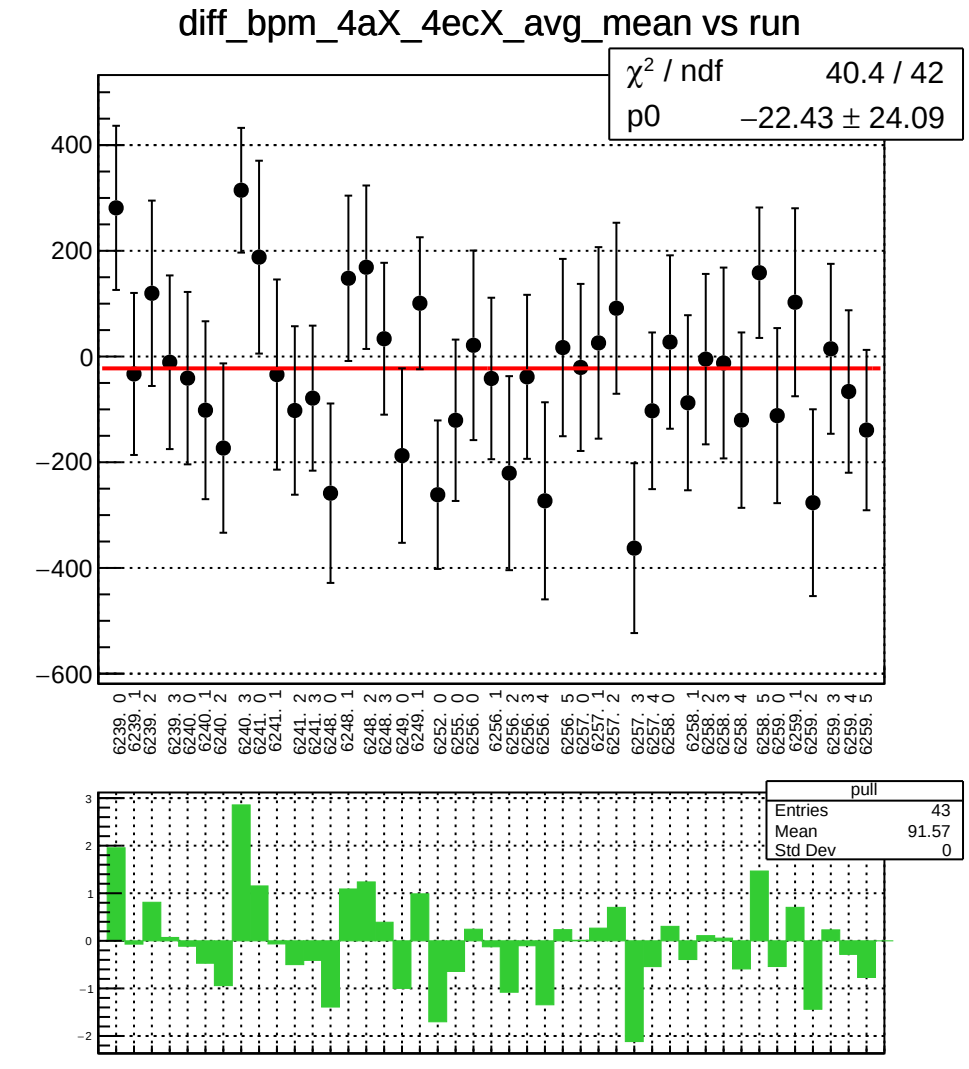

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 359.4 / 42
p0 477.4 ± 0.5121
510
500
490
480
470
460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

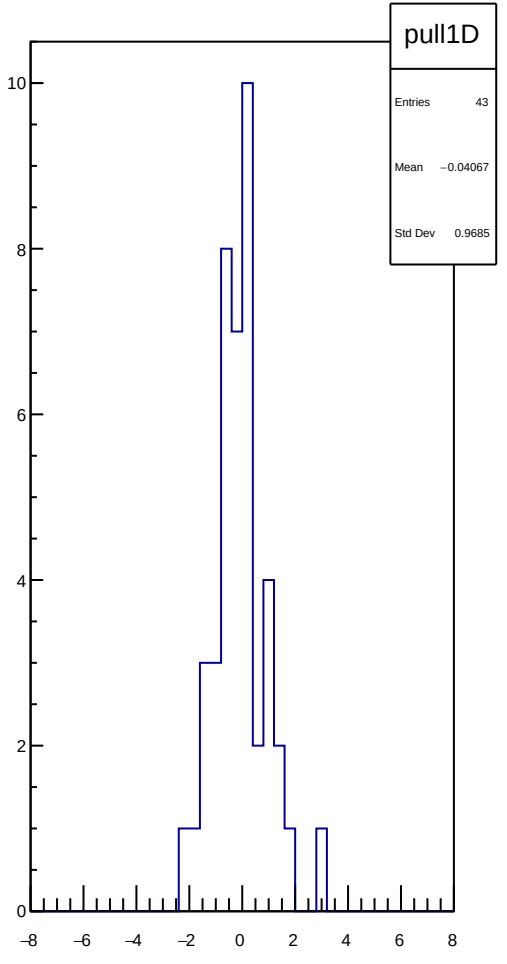

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 40.43 / 42
p0 −22.11± 23.97
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04104
Std Dev 0.9688
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

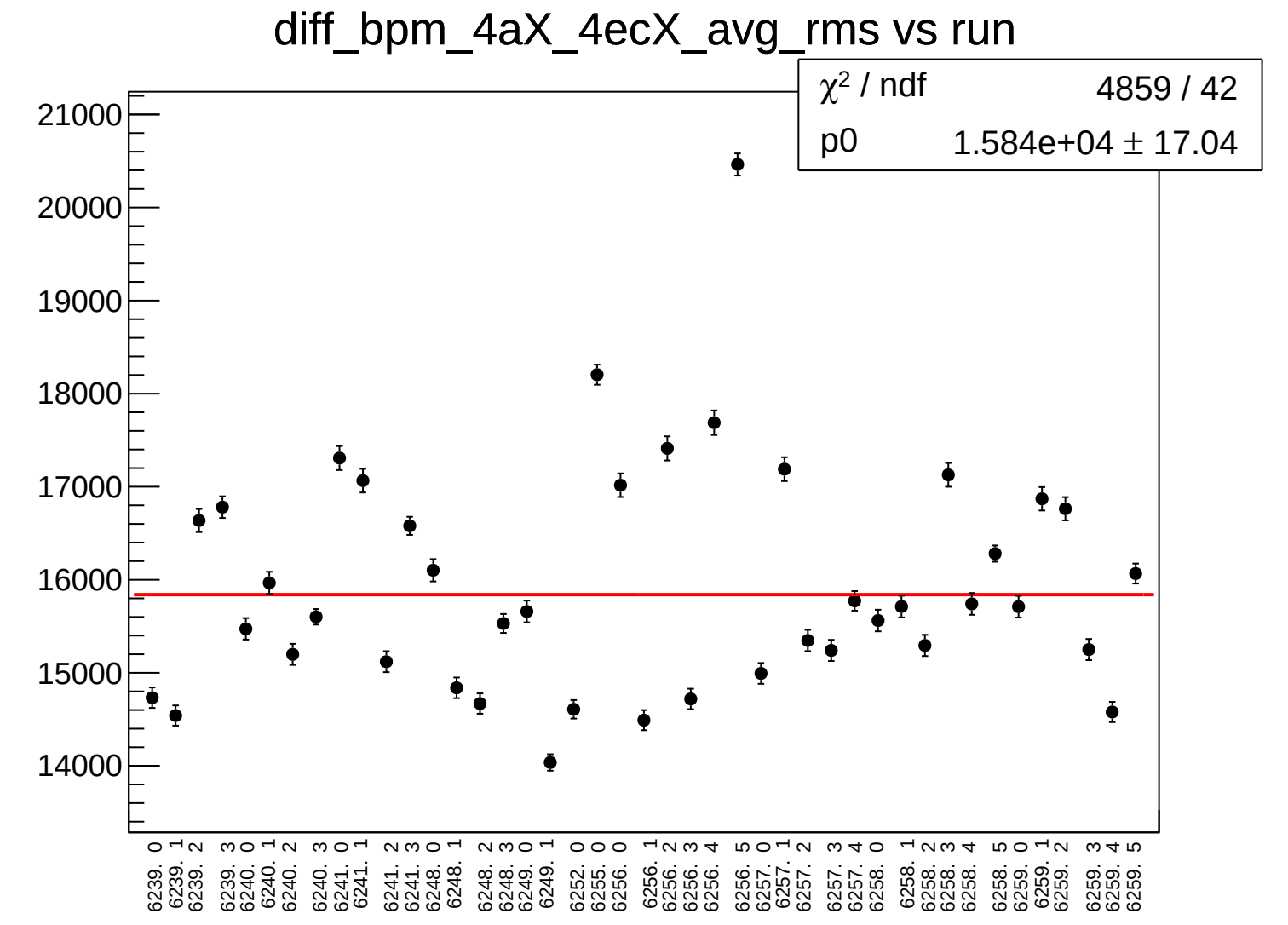

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 4856 / 42
p0 1.576e+04 ± 16.95
21000
20000
19000
18000
17000
16000
15000
14000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

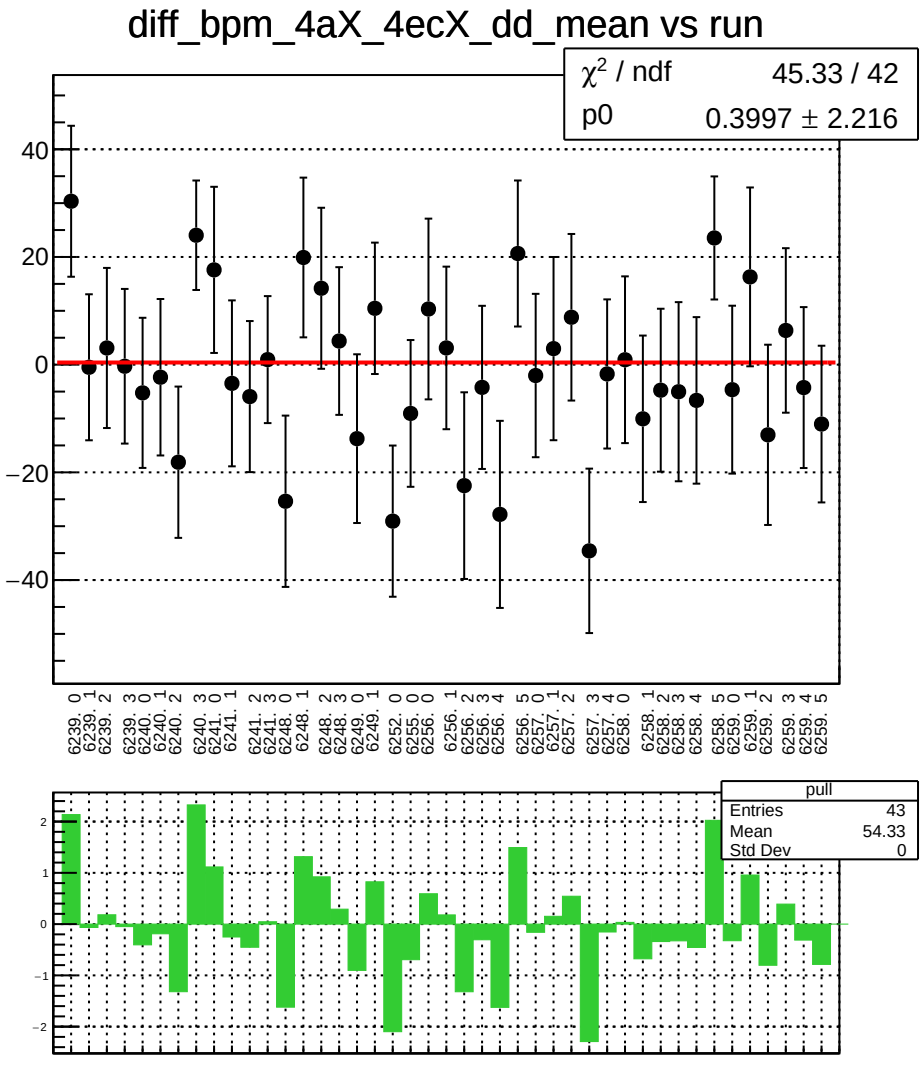

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 45.08 / 42
p0 0.1074 ± 2.344
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.05185
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

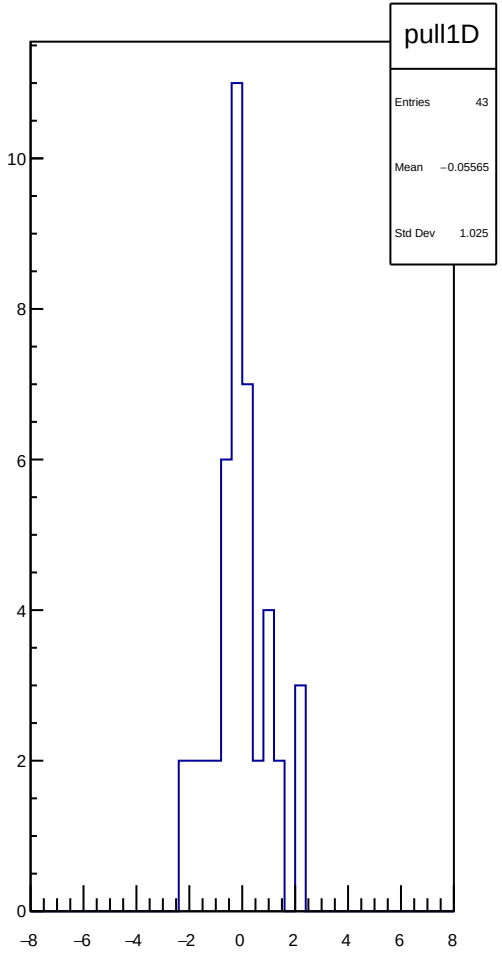

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2718 / 42
p0 1543 ± 1.658
1750
1700
1650
1600
1550
1500
1450
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

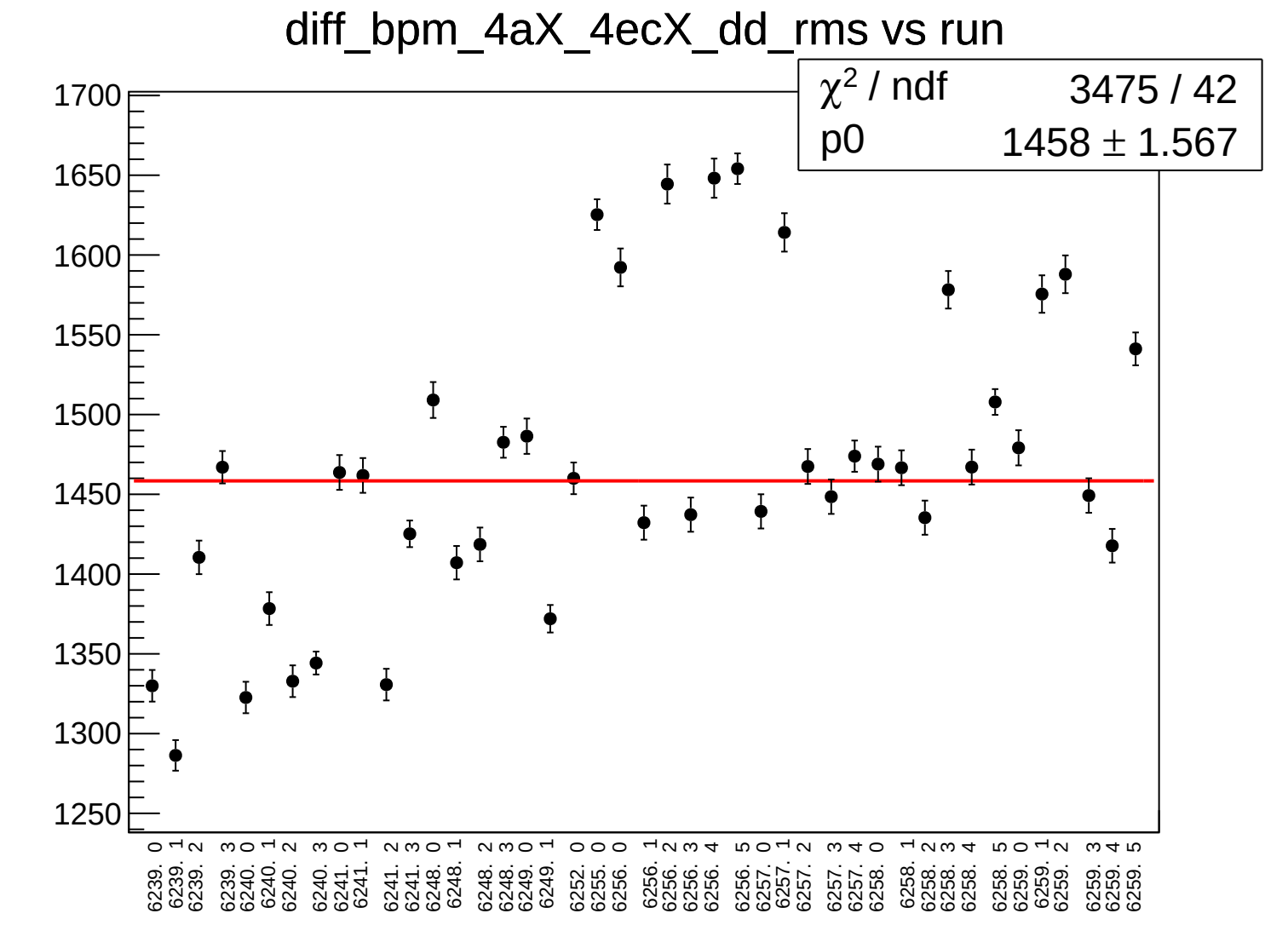

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 40.4 / 42
p0 −22.43 ± 24.09
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 91.57
Std Dev 0
3
2
1
0
−1
−2

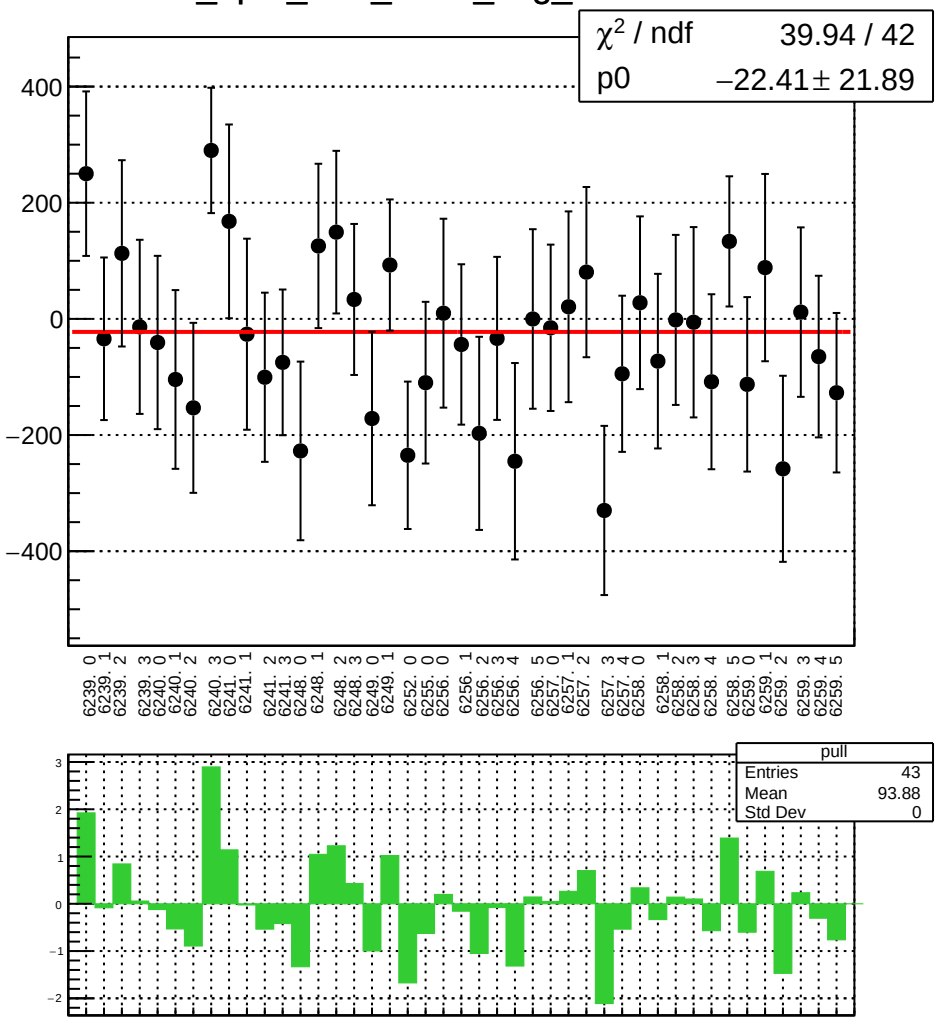

pull1D
Entries 43
Mean −0.04067
Std Dev 0.9685
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

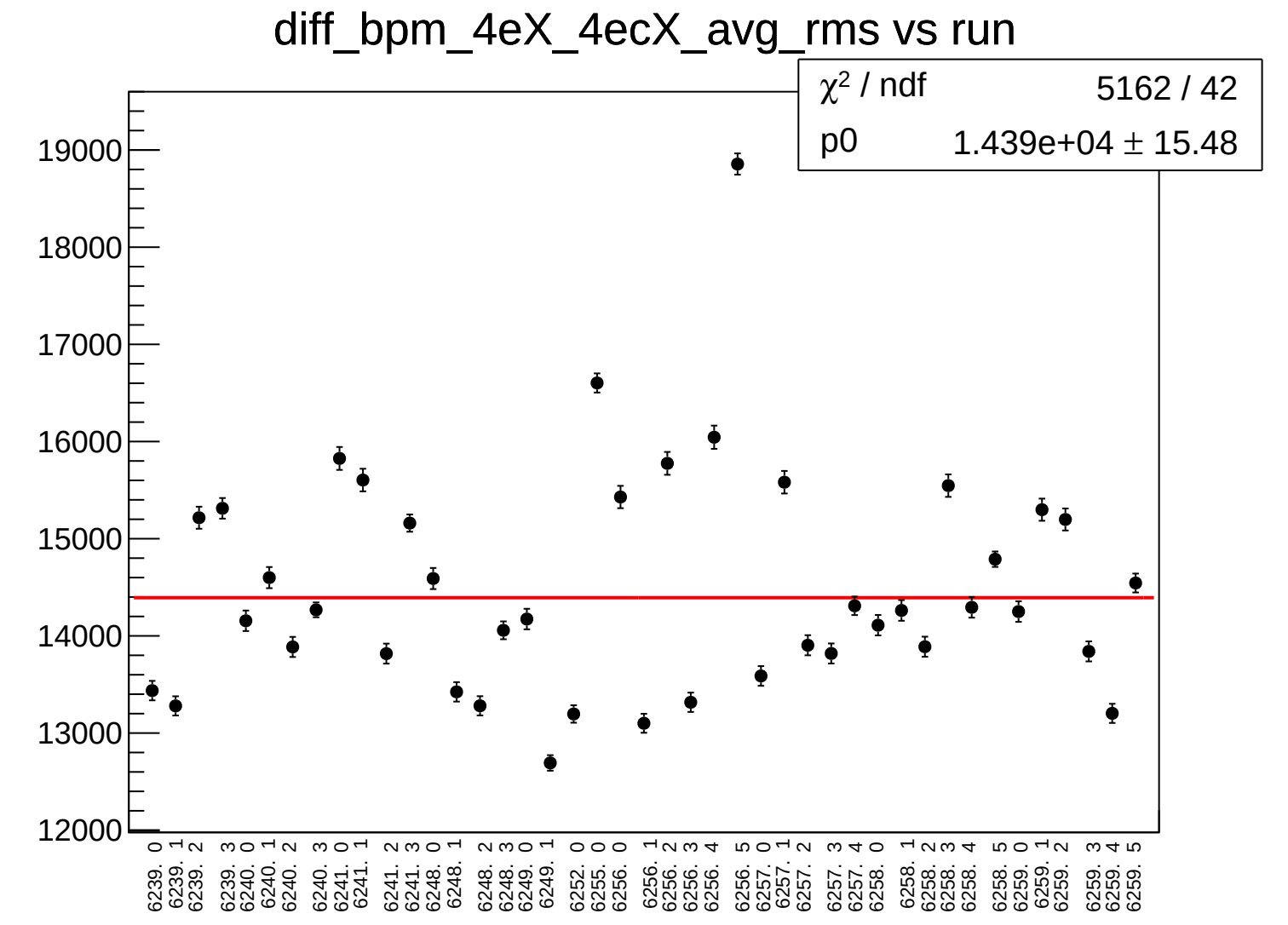

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 4859 / 42
p0 1.584e+04 ± 17.04
21000
20000
19000
18000
17000
16000
15000
14000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

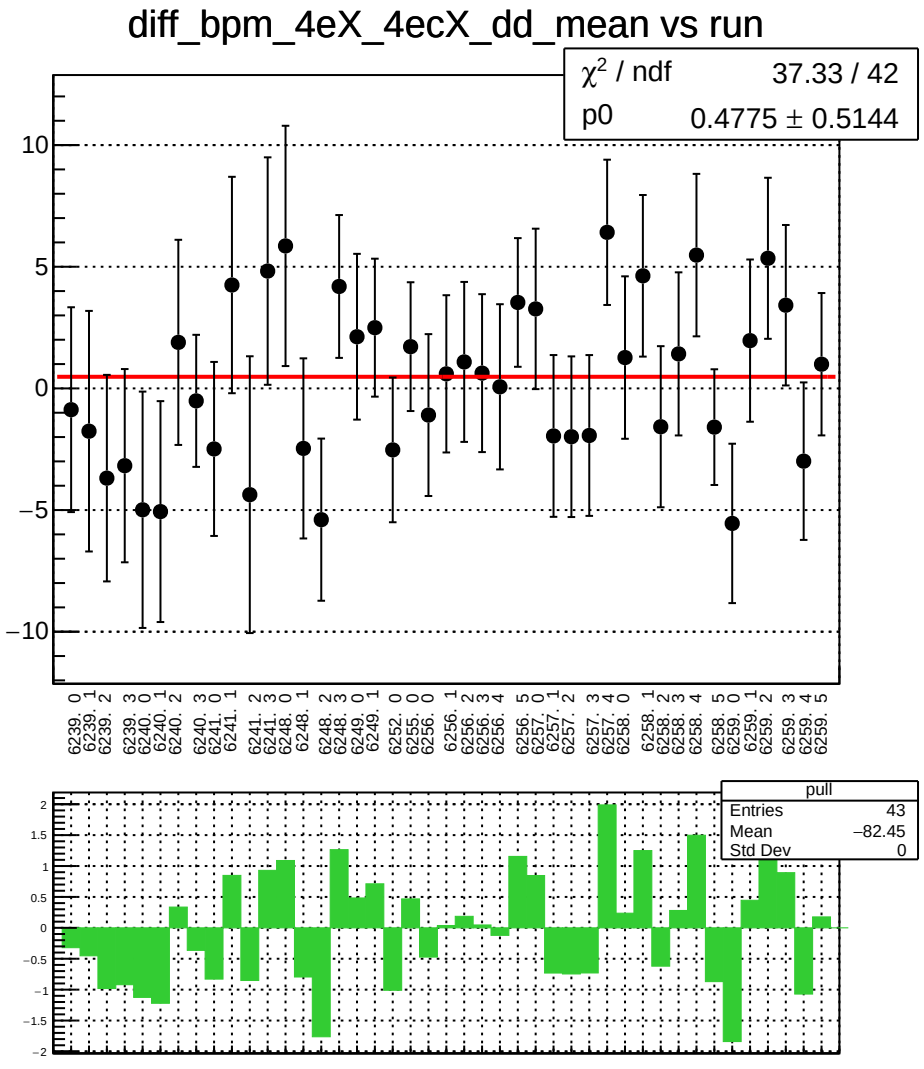

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 45.33 / 42
p0 0.3997 ± 2.216
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.33
Std Dev 0
2
1
0
−1
−2

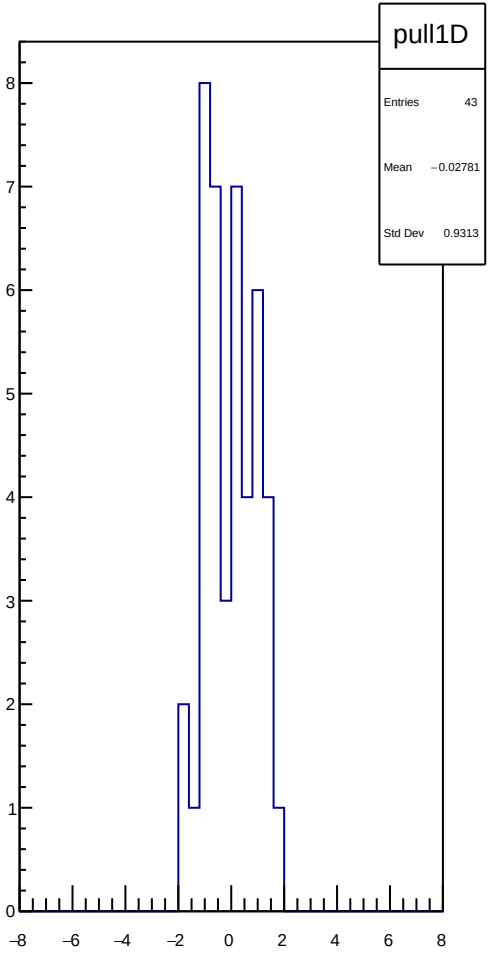

pull1D
Entries 43
Mean −0.05565
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

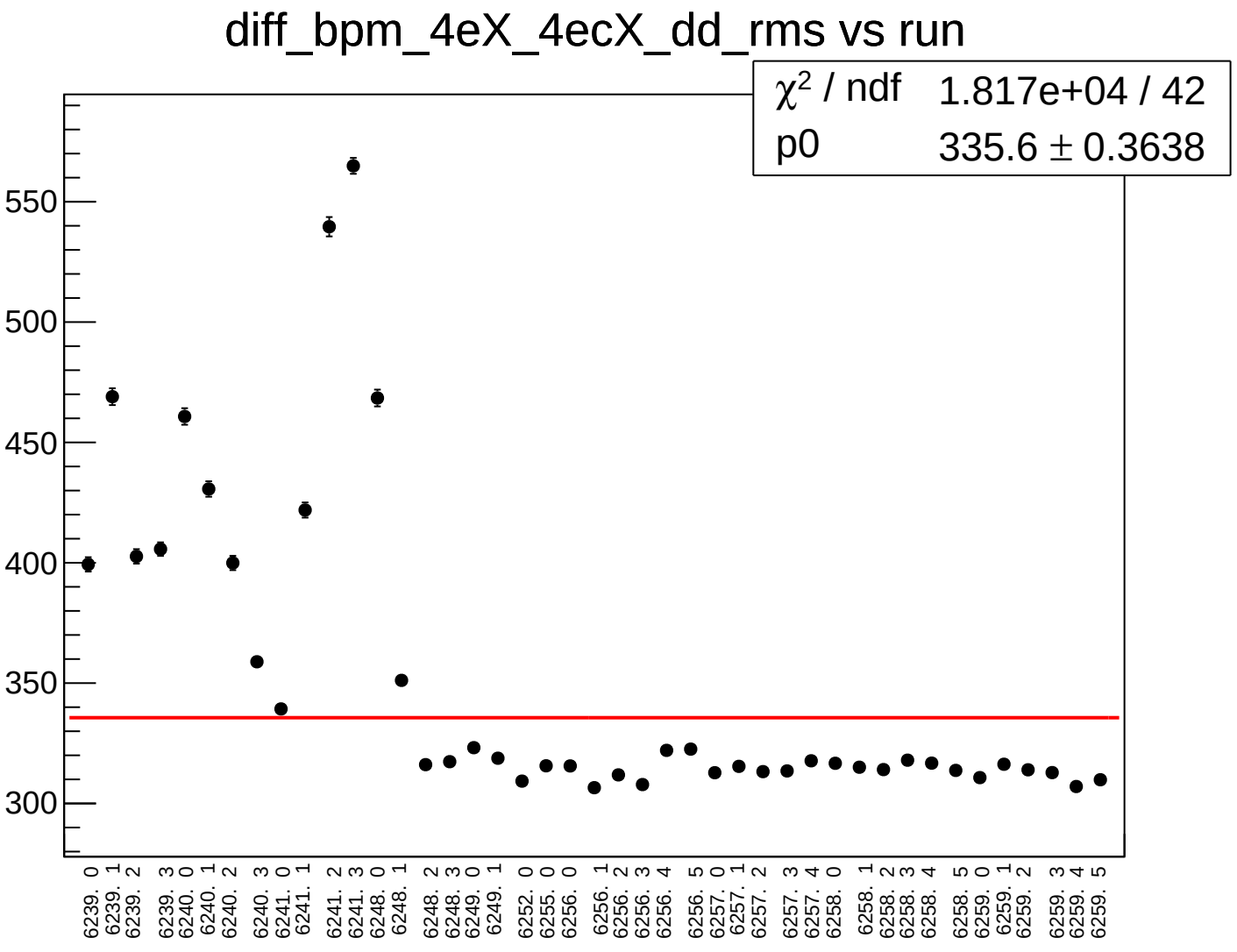

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 3475 / 42
p0 1458 ± 1.567
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

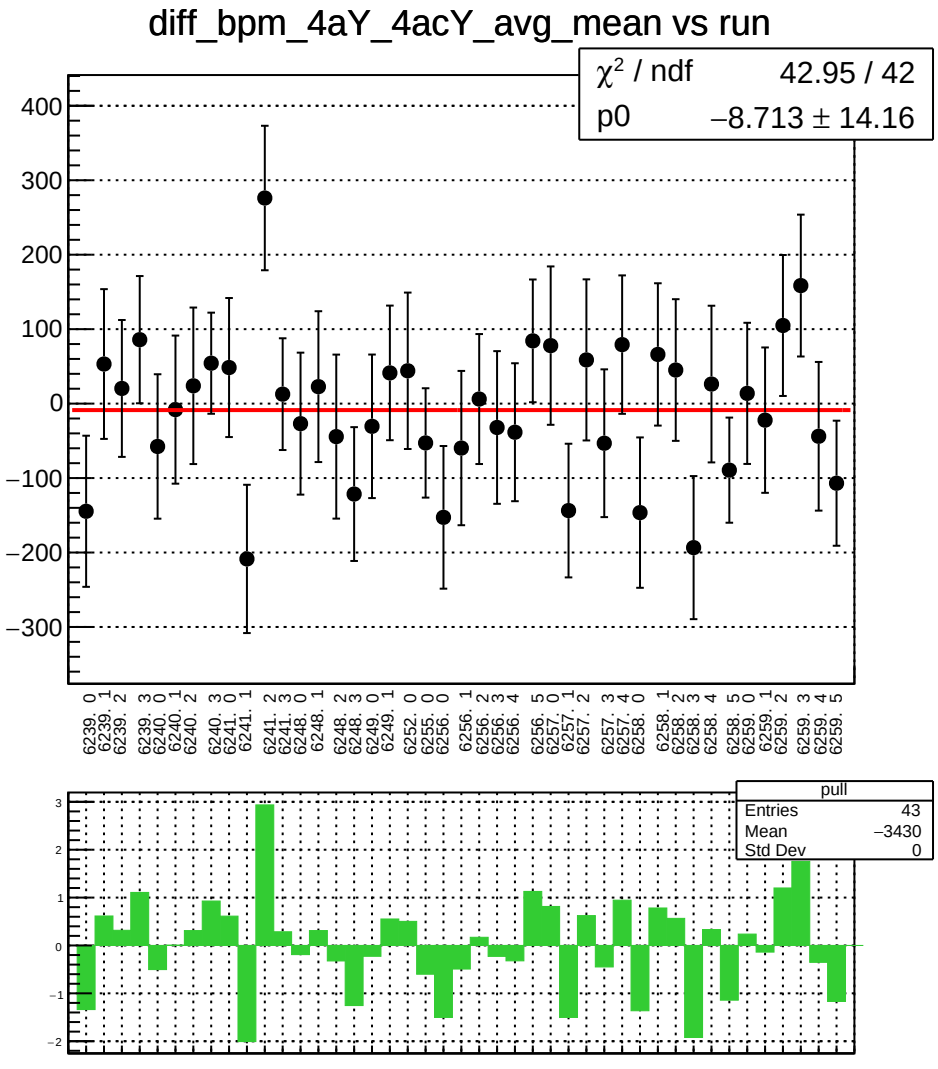

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 39.94 / 42
p0 −22.41± 21.89
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 93.88
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03966
Std Dev 0.963
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

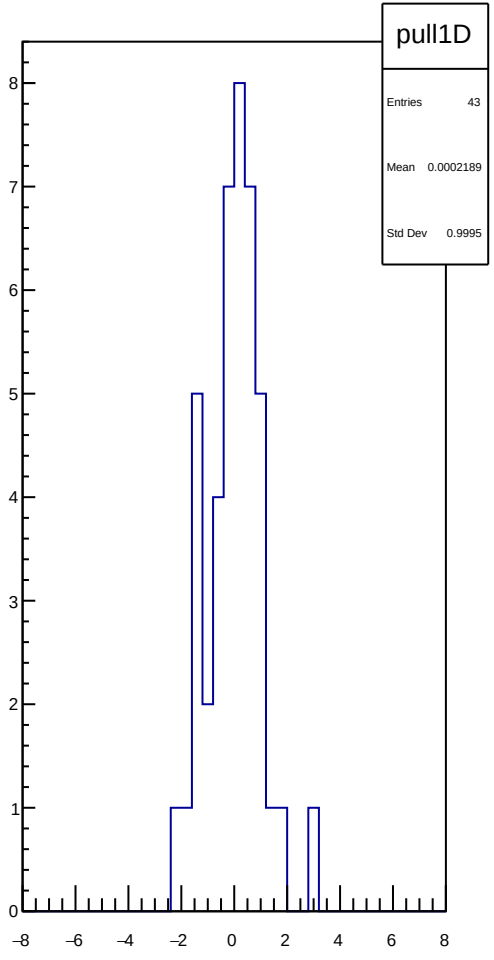

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 5162 / 42
p0 1.439e+04 ± 15.48
19000
18000
17000
16000
15000
14000
13000
12000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

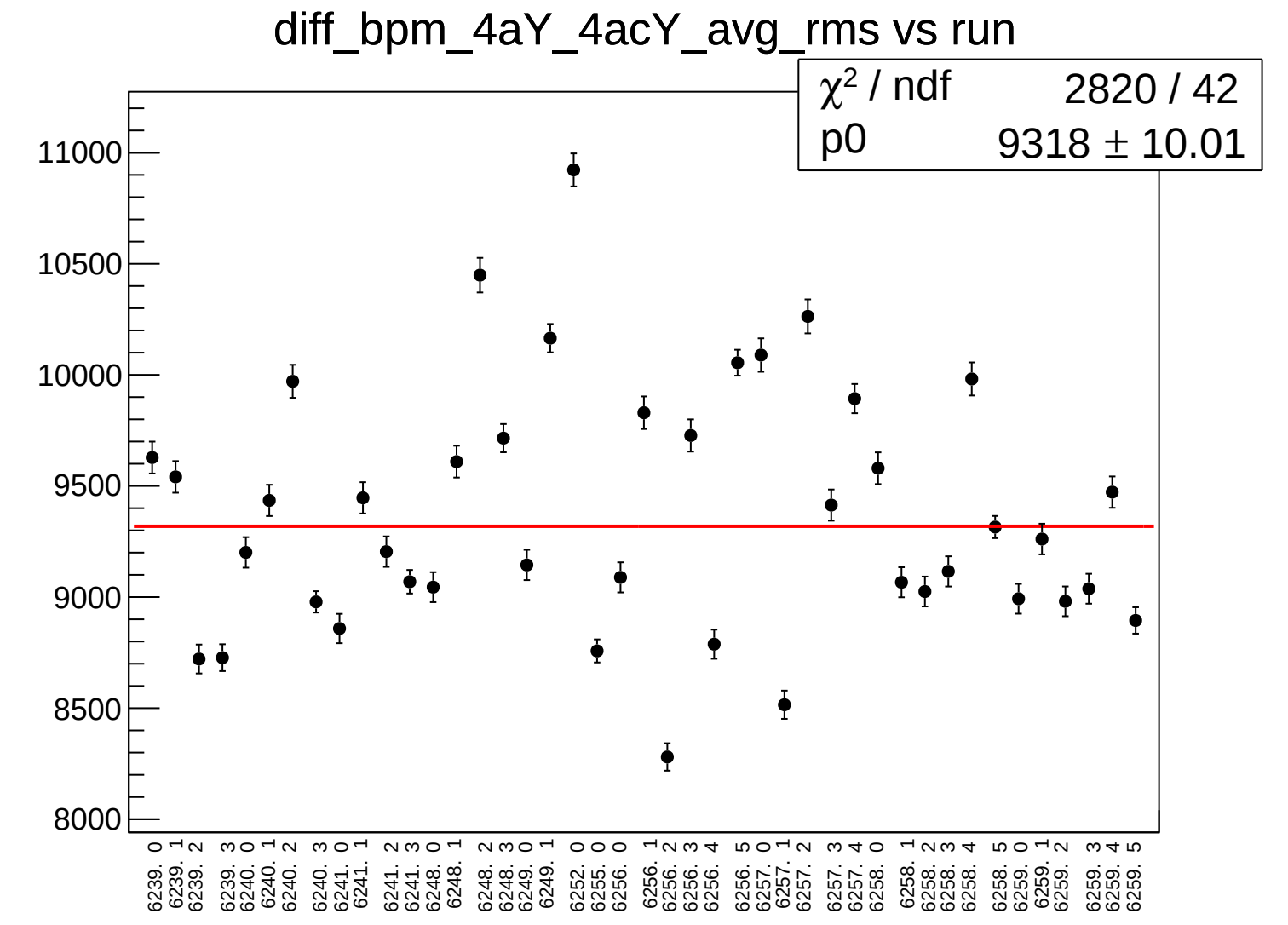

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 37.33 / 42
p0 0.4775 ± 0.5144
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −82.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

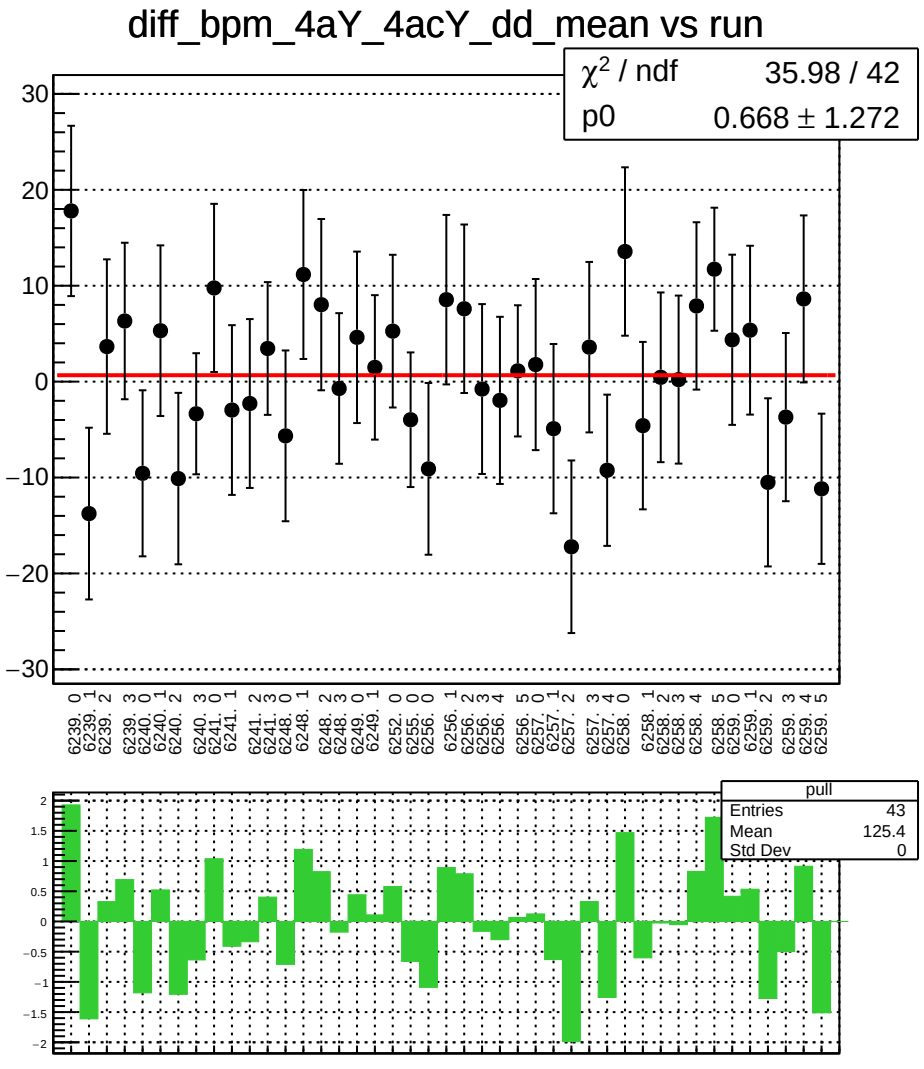

pull1D
Entries 43
Mean −0.02781
Std Dev 0.9313
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

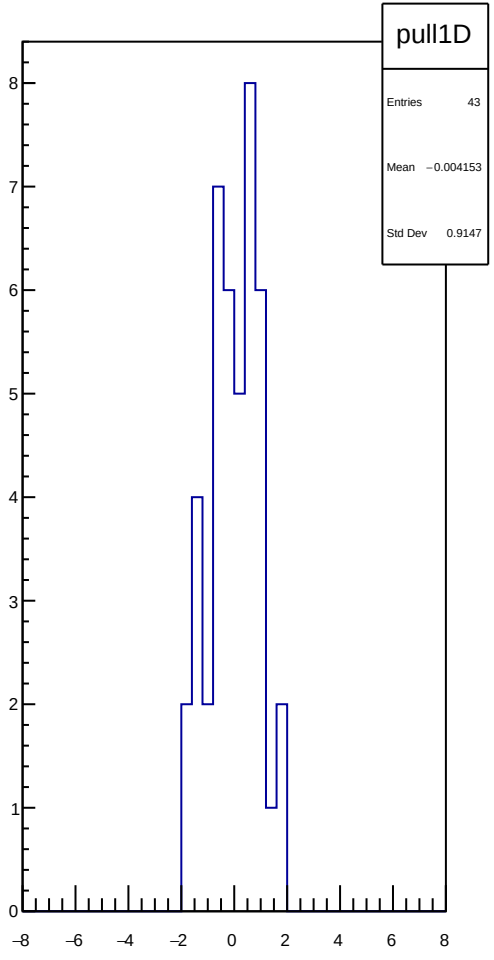

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 1.817e+04 / 42
p0 335.6 ± 0.3638
550
500
450
400
350
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

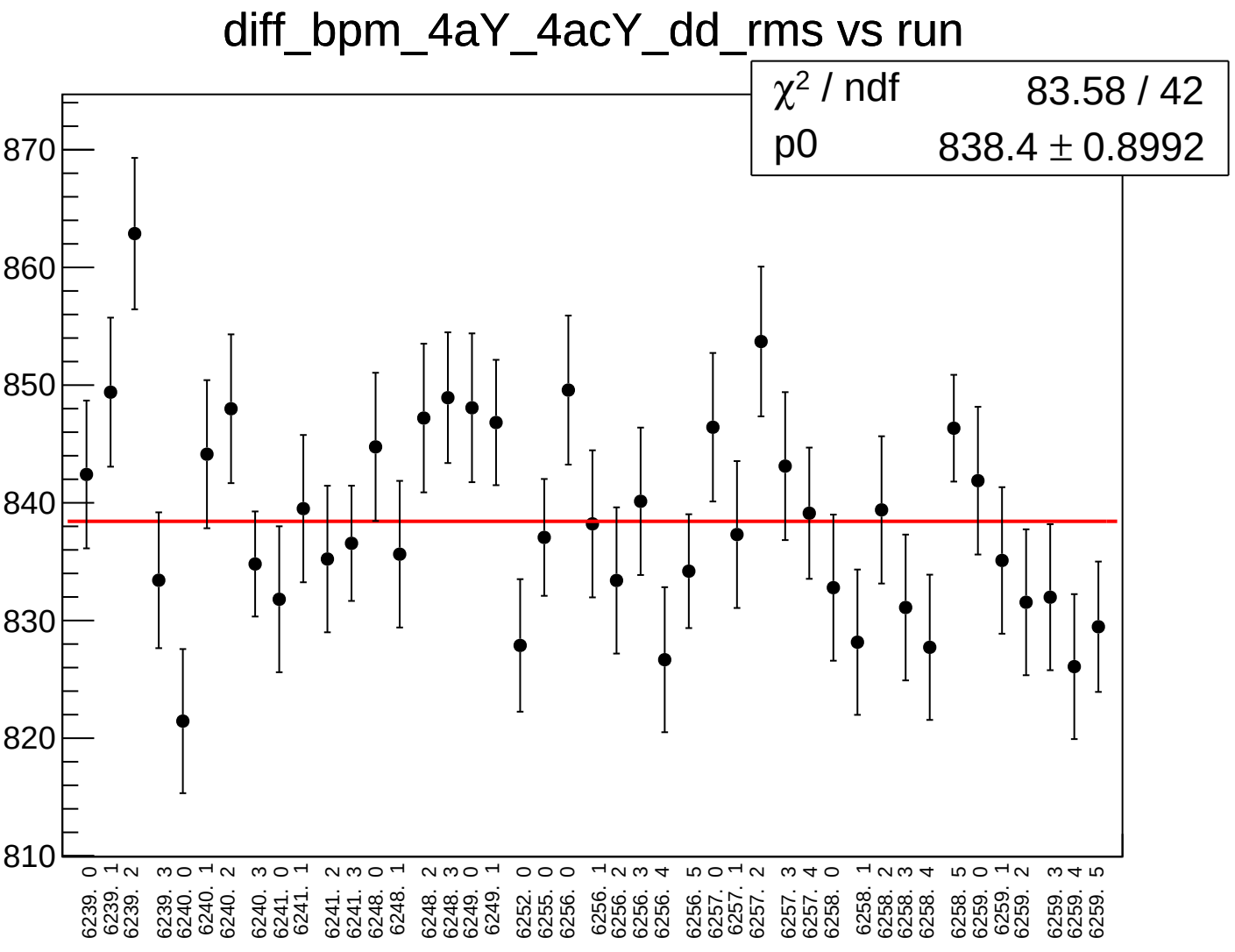

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 42.95 / 42
p0 −8.713 ± 14.16
400
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −3430
Std Dev 0
3
2
1
0
−1
−2

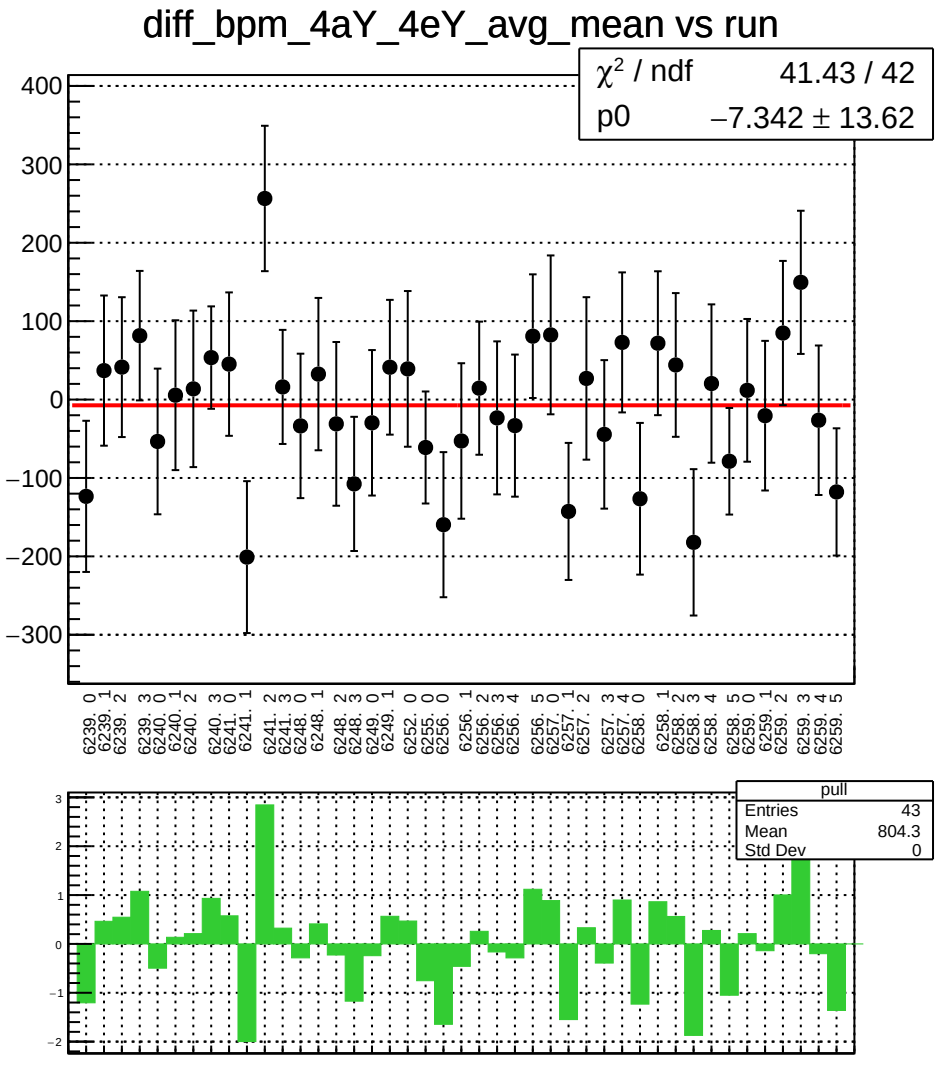

pull1D
Entries 43
Mean 0.0002189
Std Dev 0.9995
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

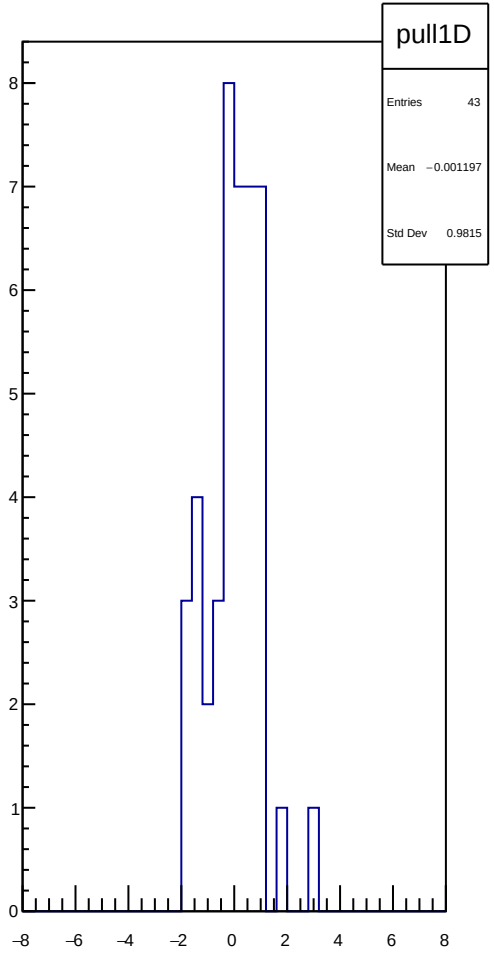

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 2820 / 42
p0 9318 ± 10.01
11000
10500
10000
9500
9000
8500
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

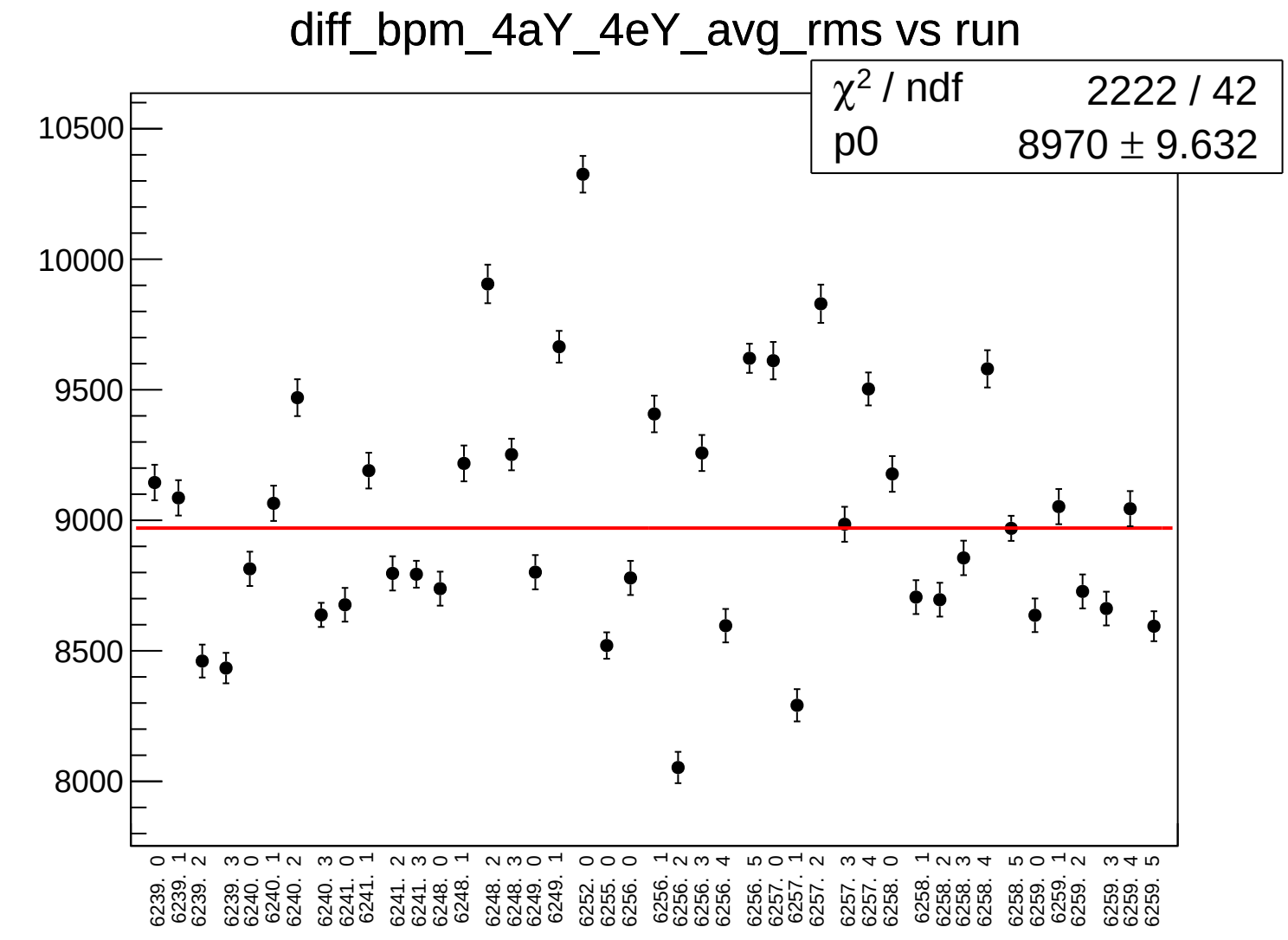

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 35.98 / 42
p0 0.668 ± 1.272
pull
Entries 43
Mean 125.4
Std Dev 0

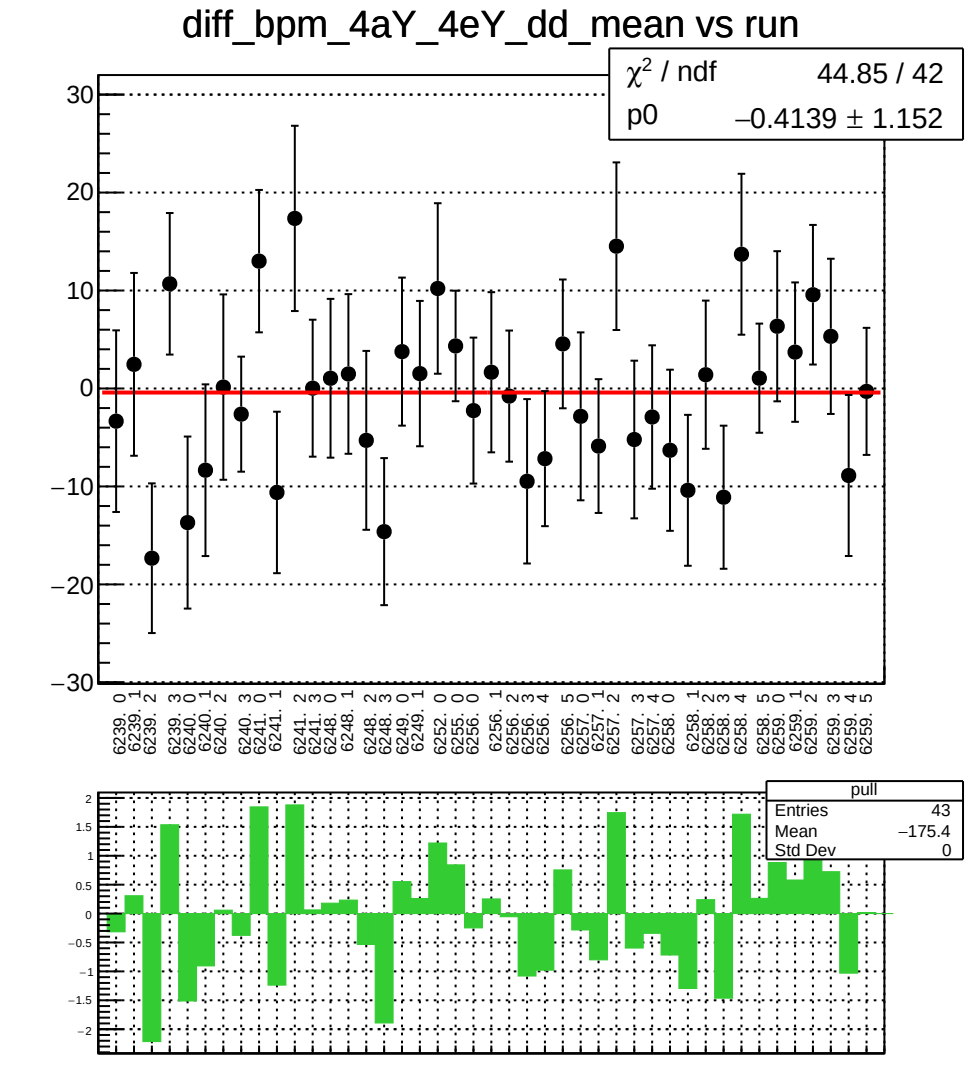

pull1D
Entries 43
Mean −0.004153
Std Dev 0.9147

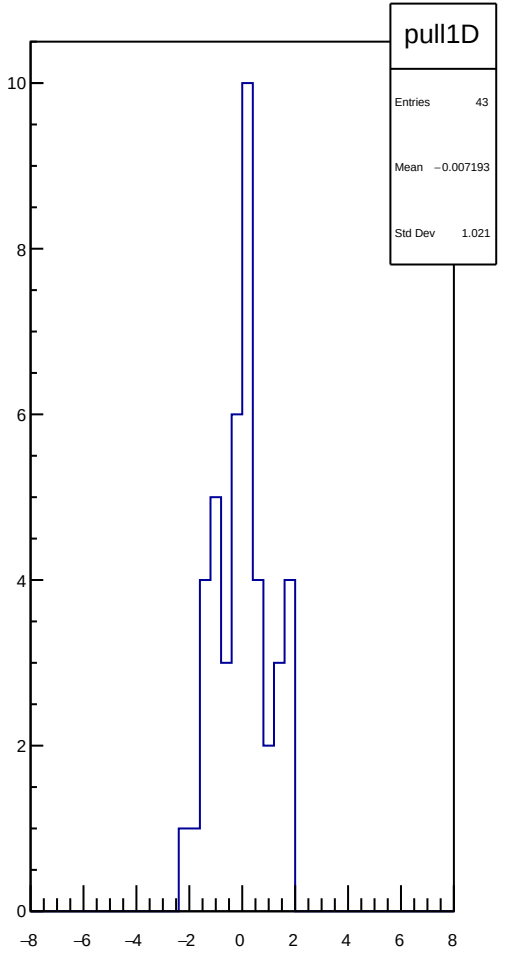

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 83.58 / 42
p0 838.4 ± 0.8992
870
860
850
840
830
820
810
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

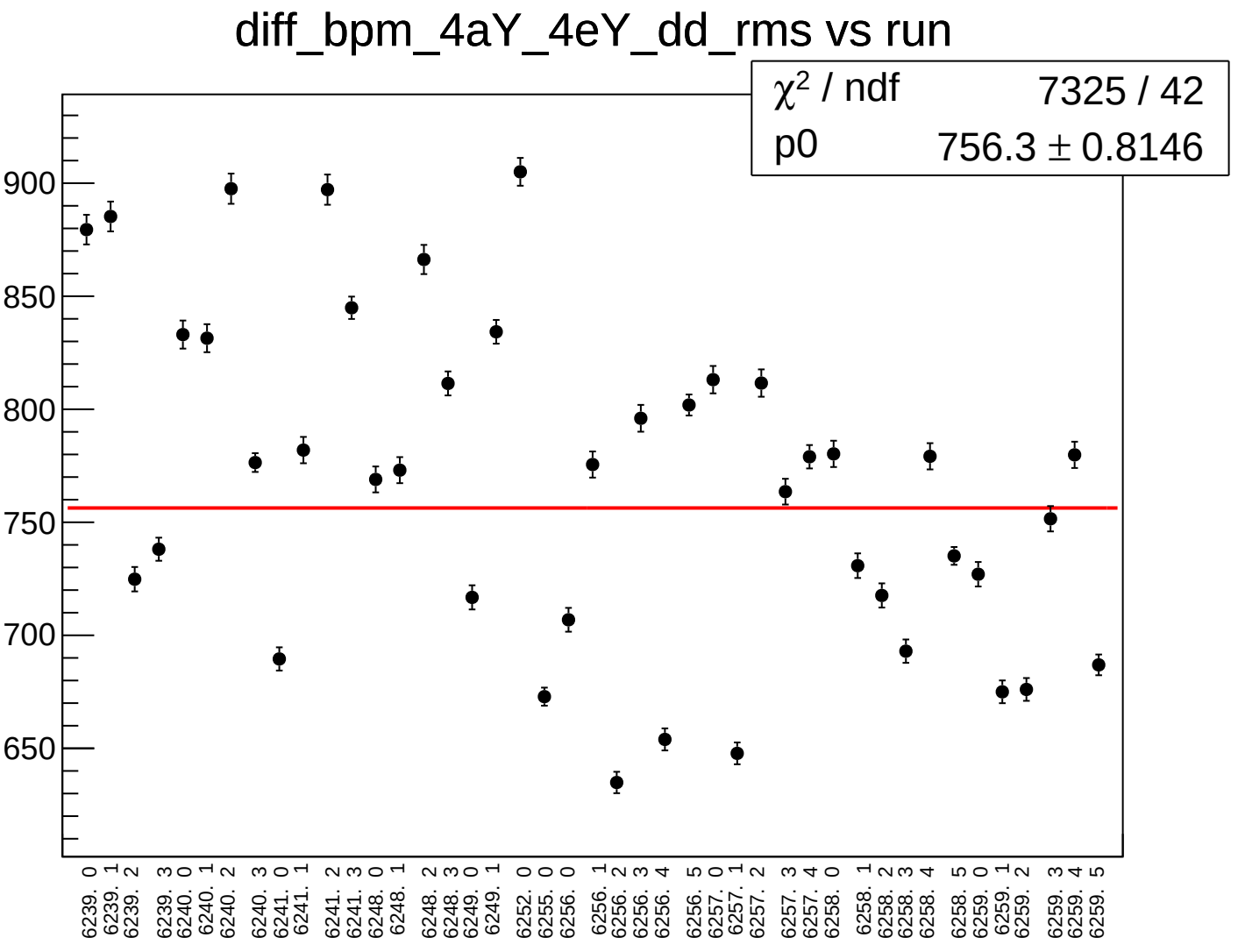

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 41.43 / 42
p0 −7.342 ± 13.62
400
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 804.3
Std Dev 0
3
2
1
0
−1
−2

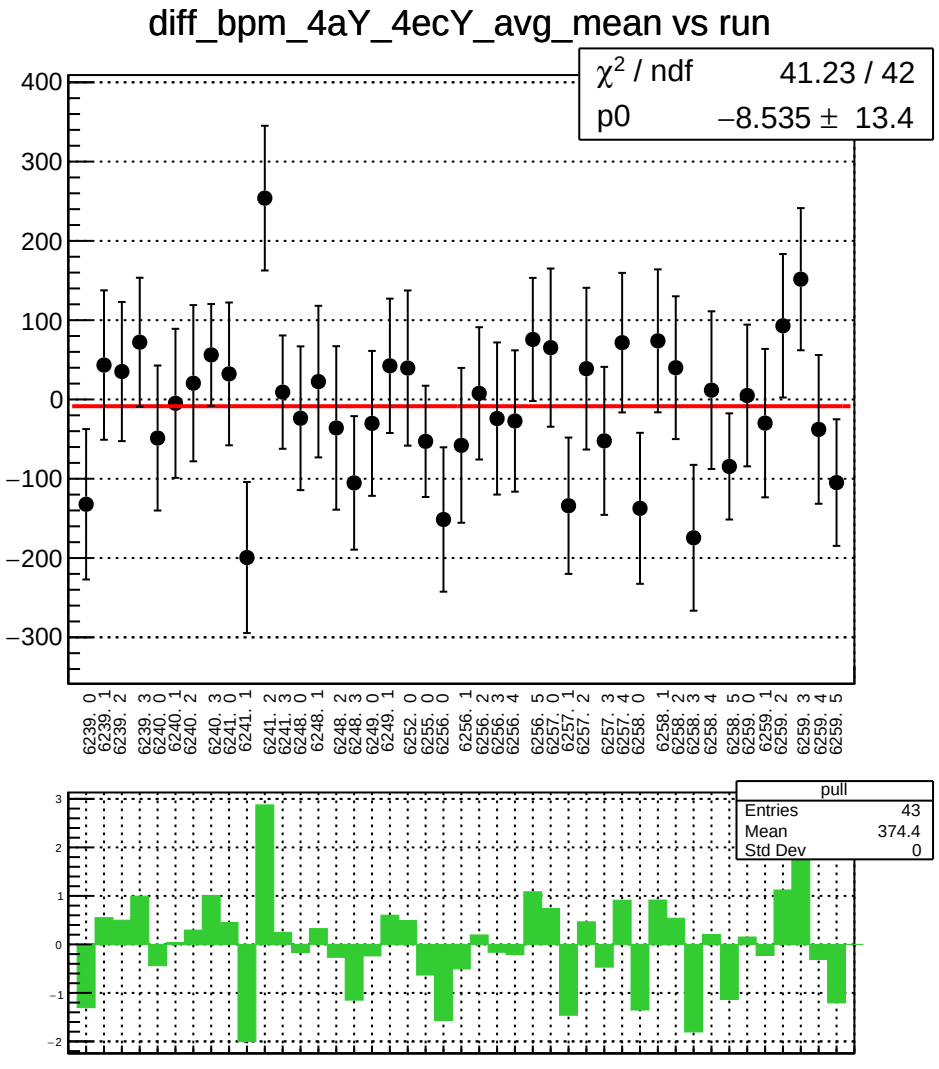

pull1D
Entries 43
Mean −0.001197
Std Dev 0.9815
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

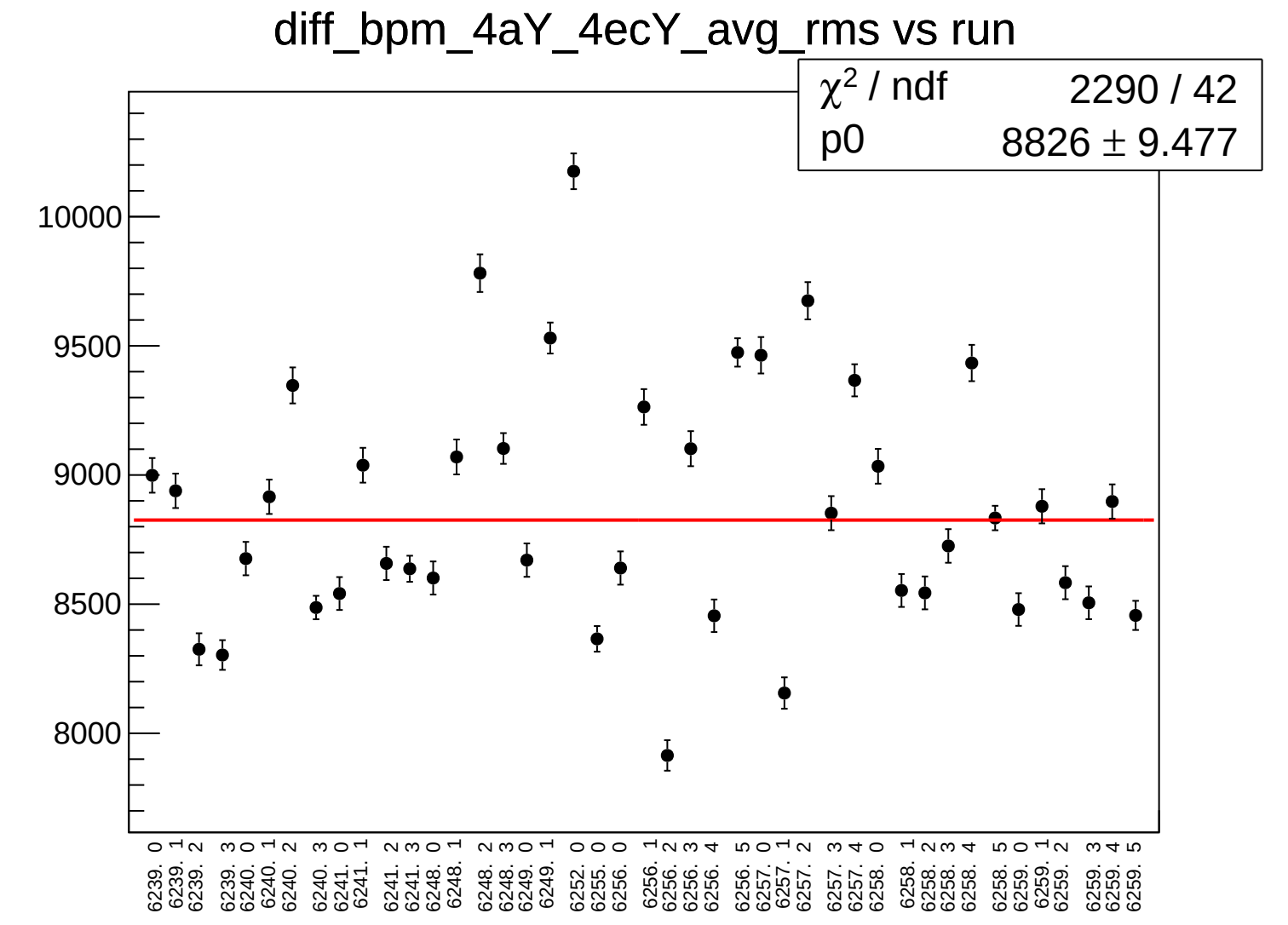

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2222 / 42
p0 8970 ± 9.632
10500
10000
9500
9000
8500
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

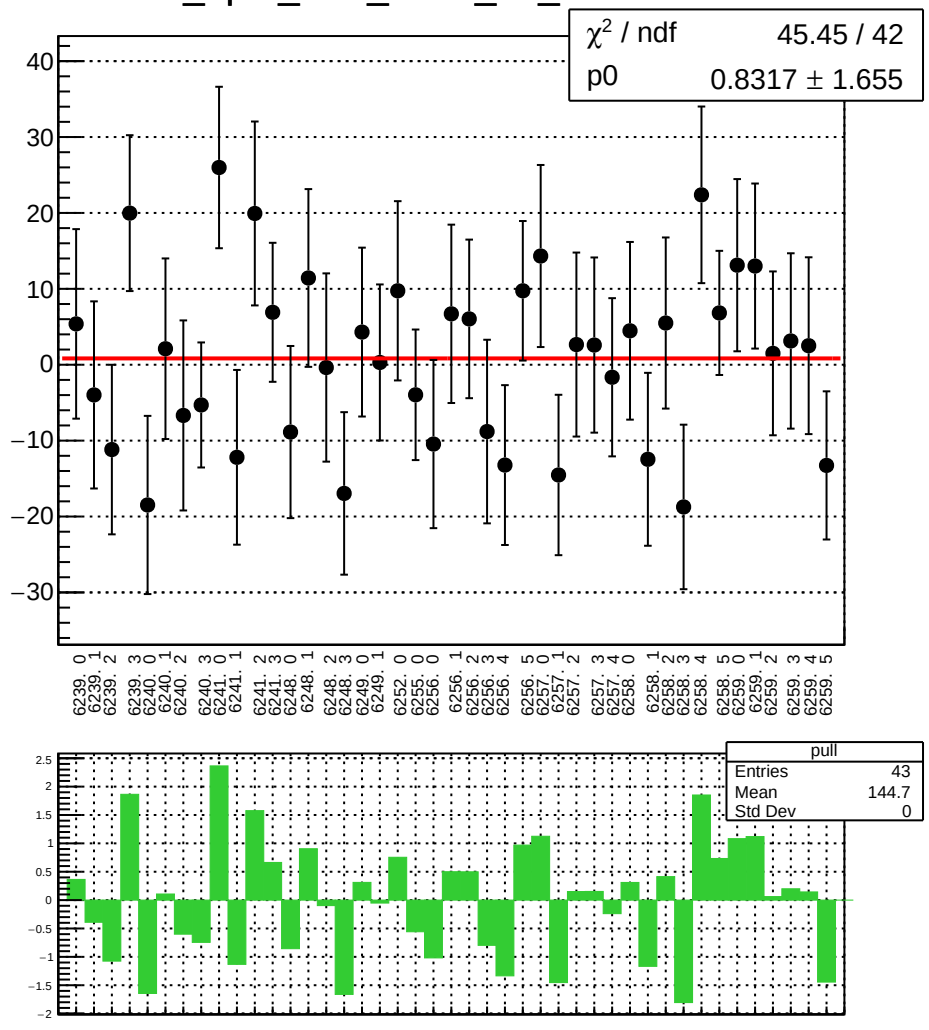

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 44.85 / 42
p0 −0.4139 ± 1.152
30
20
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −175.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

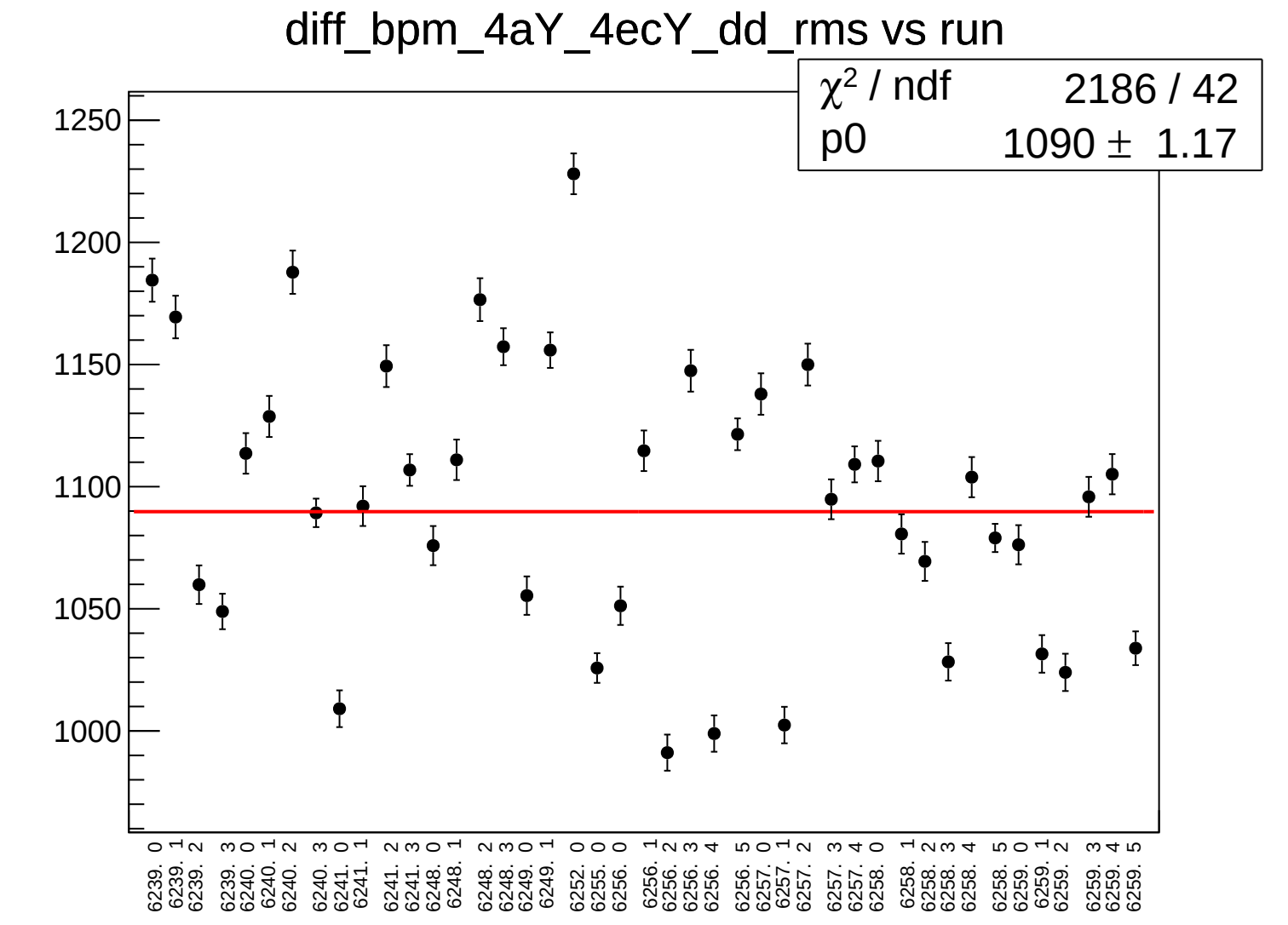

pull1D
Entries 43
Mean −0.007193
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

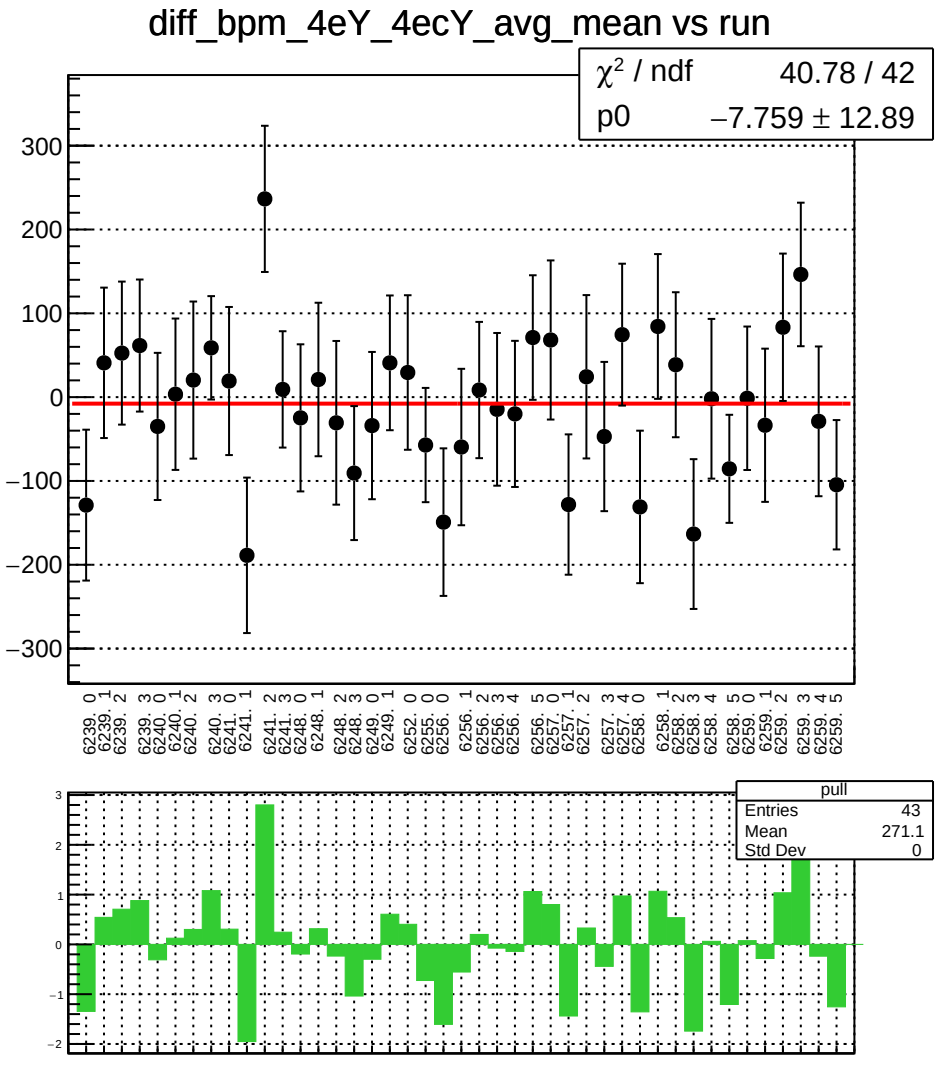

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 7325 / 42
p0 756.3 ± 0.8146
900
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

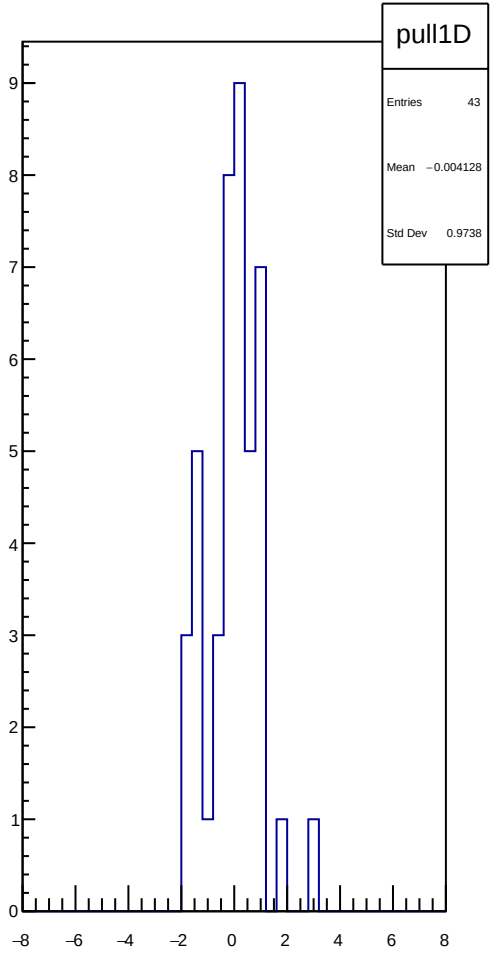

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 41.23 / 42
p0 −8.535 ± 13.4
400
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 374.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.002512
Std Dev 0.9792
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

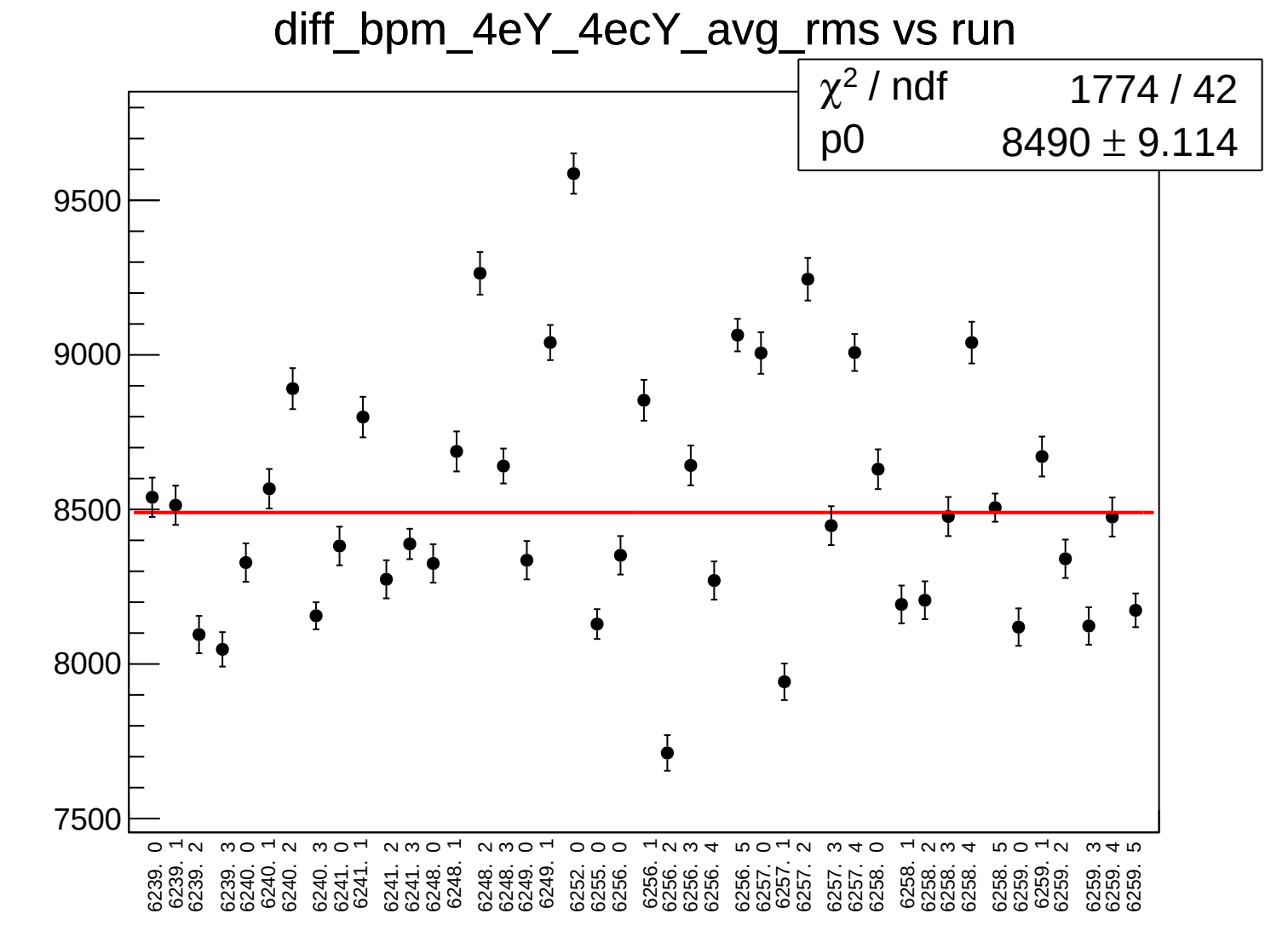

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 2290 / 42
p0 8826 ± 9.477
10000
9500
9000
8500
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

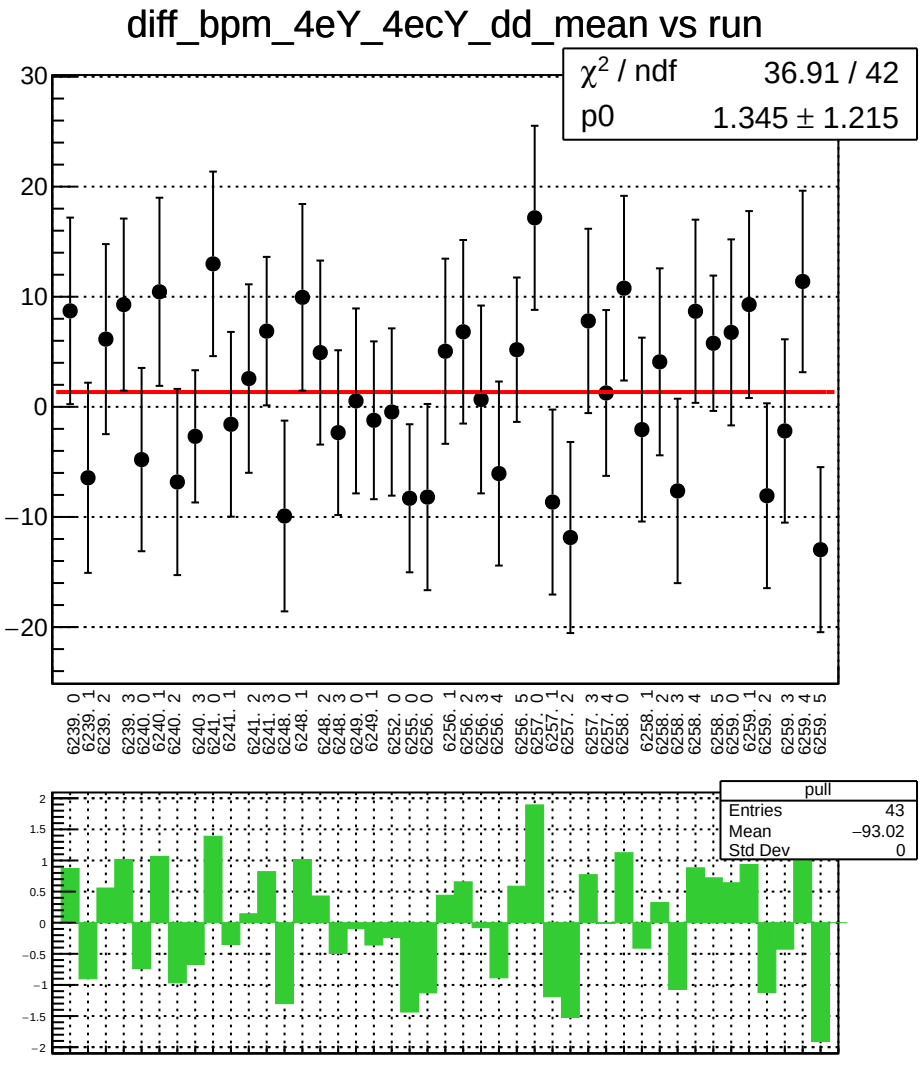

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 45.45 / 42
p0 0.8317 ± 1.655
pull
Entries 43
Mean 144.7
Std Dev 0
pull1D
Entries 43
Mean 0.003677
Std Dev 1.028

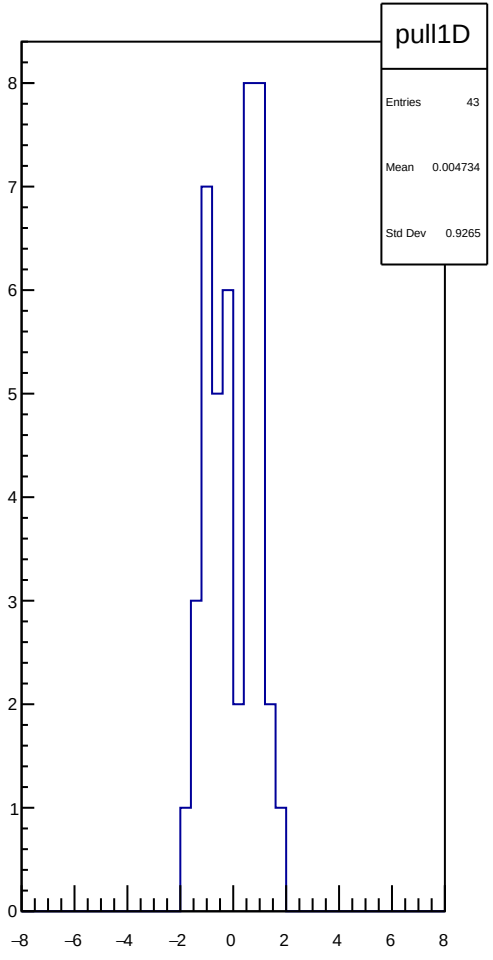

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 2186 / 42
p0 1090 ± 1.17
1250
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

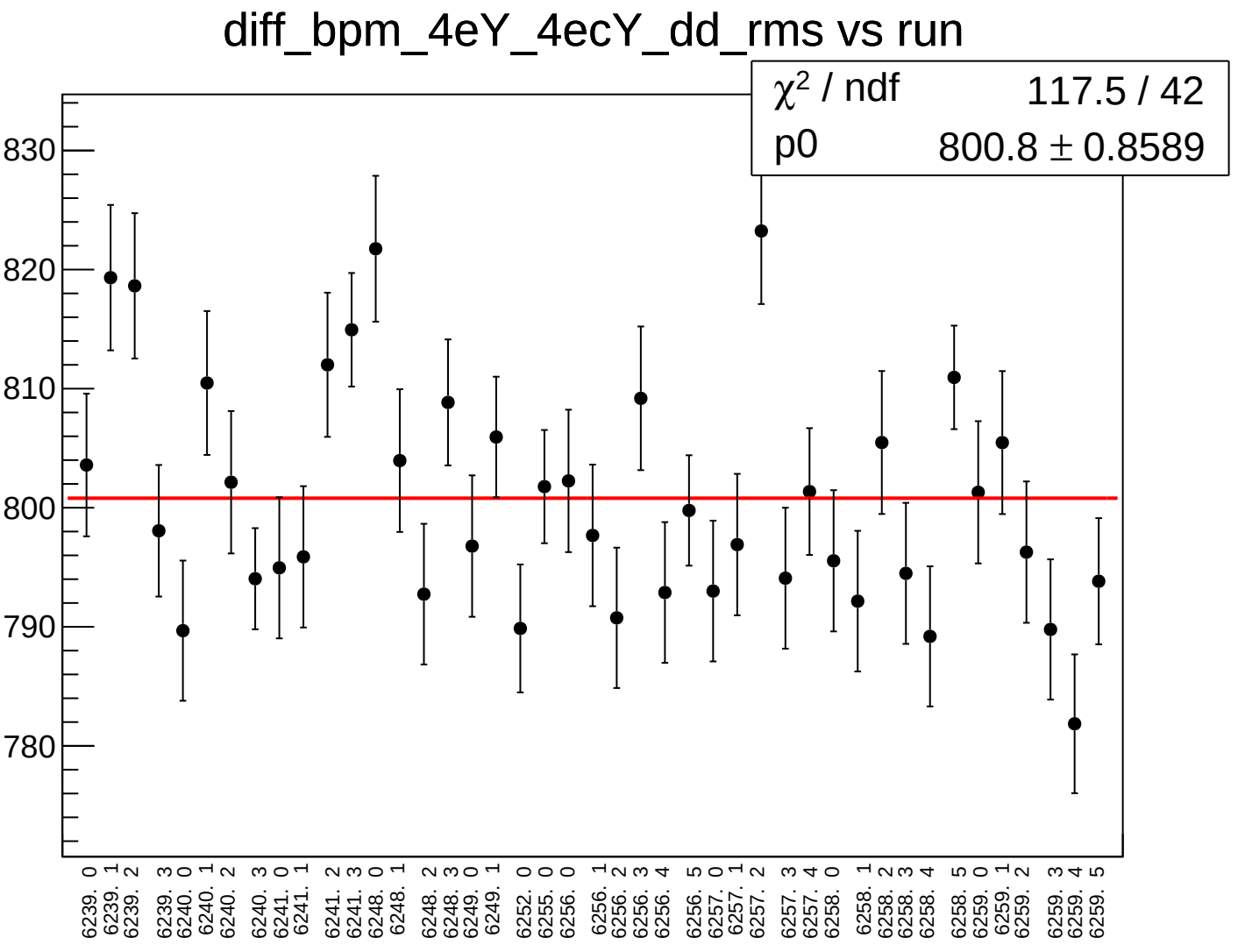

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 40.78 / 42
p0 −7.759 ± 12.89
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 271.1
Std Dev 0
3
2
1
0
−1
−2

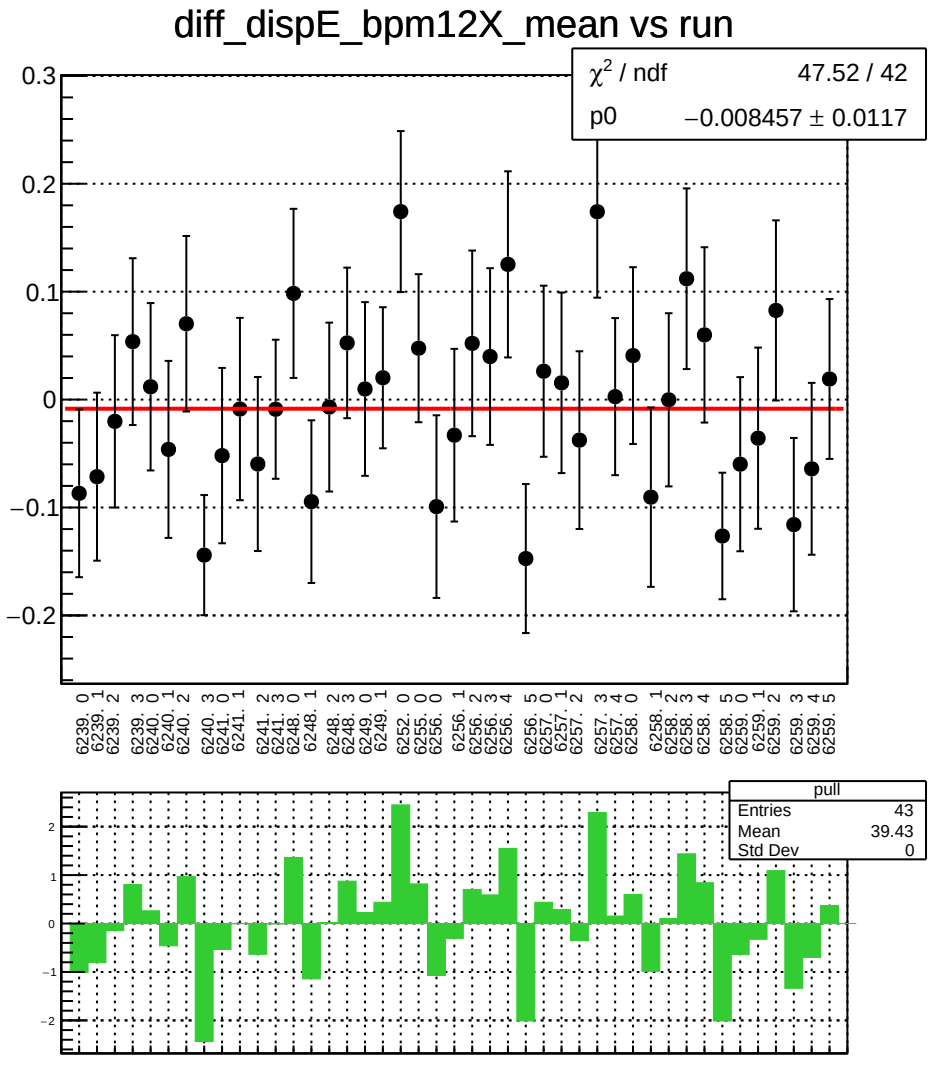

pull1D
Entries 43
Mean −0.004128
Std Dev 0.9738
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

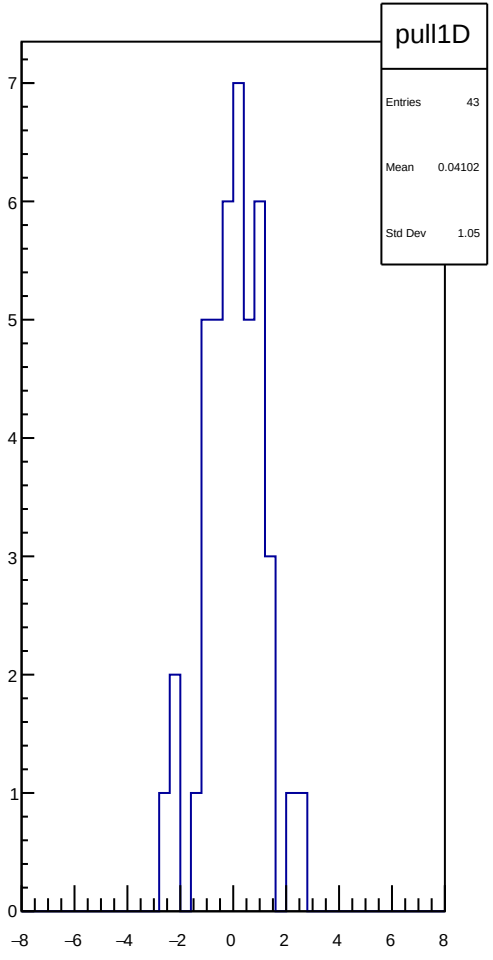

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 1774 / 42
p0 8490 ± 9.114
9500
9000
8500
8000
7500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

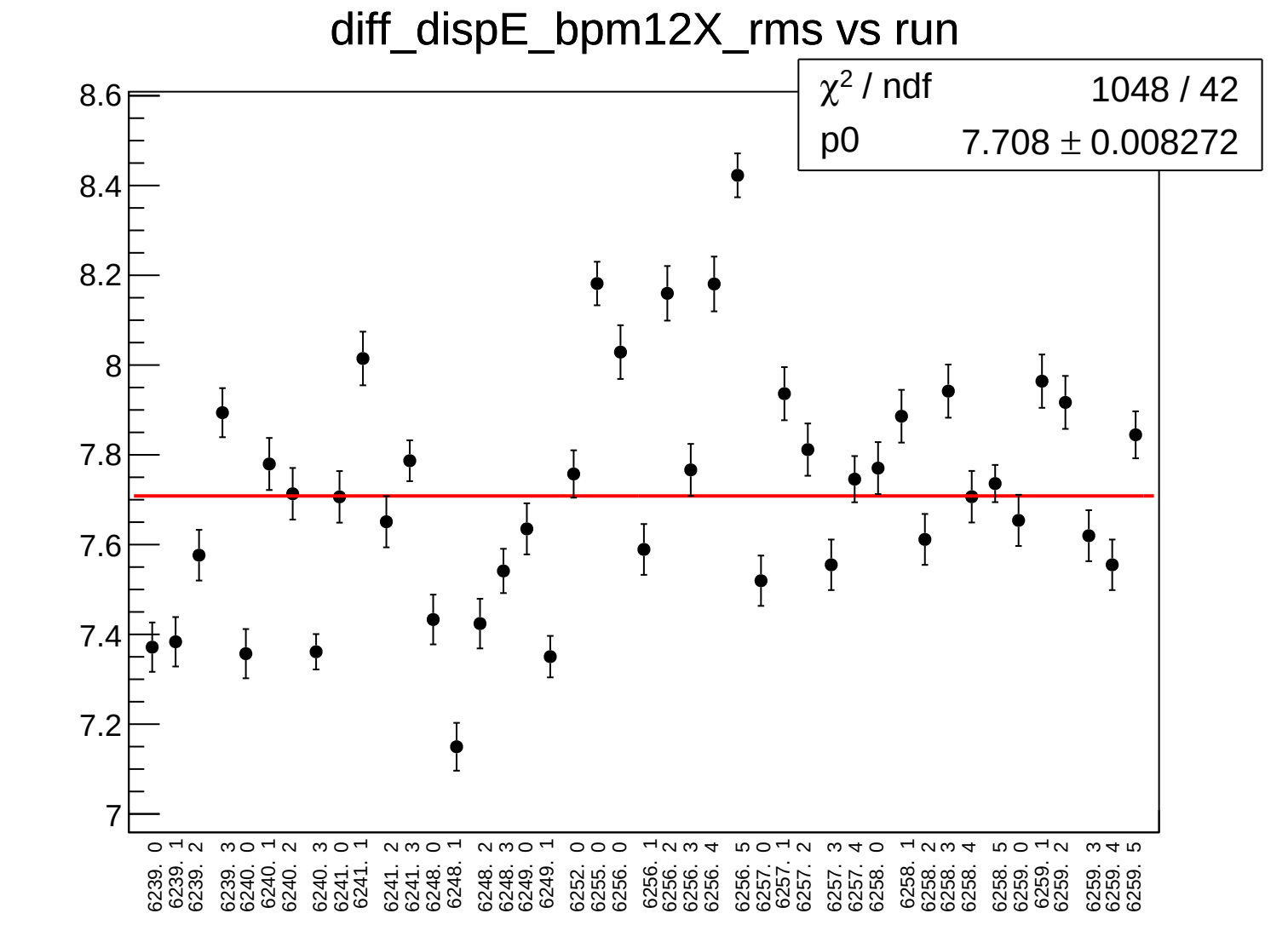

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 36.91 / 42
p0 1.345 ± 1.215
pull
Entries 43
Mean −93.02
Std Dev 0

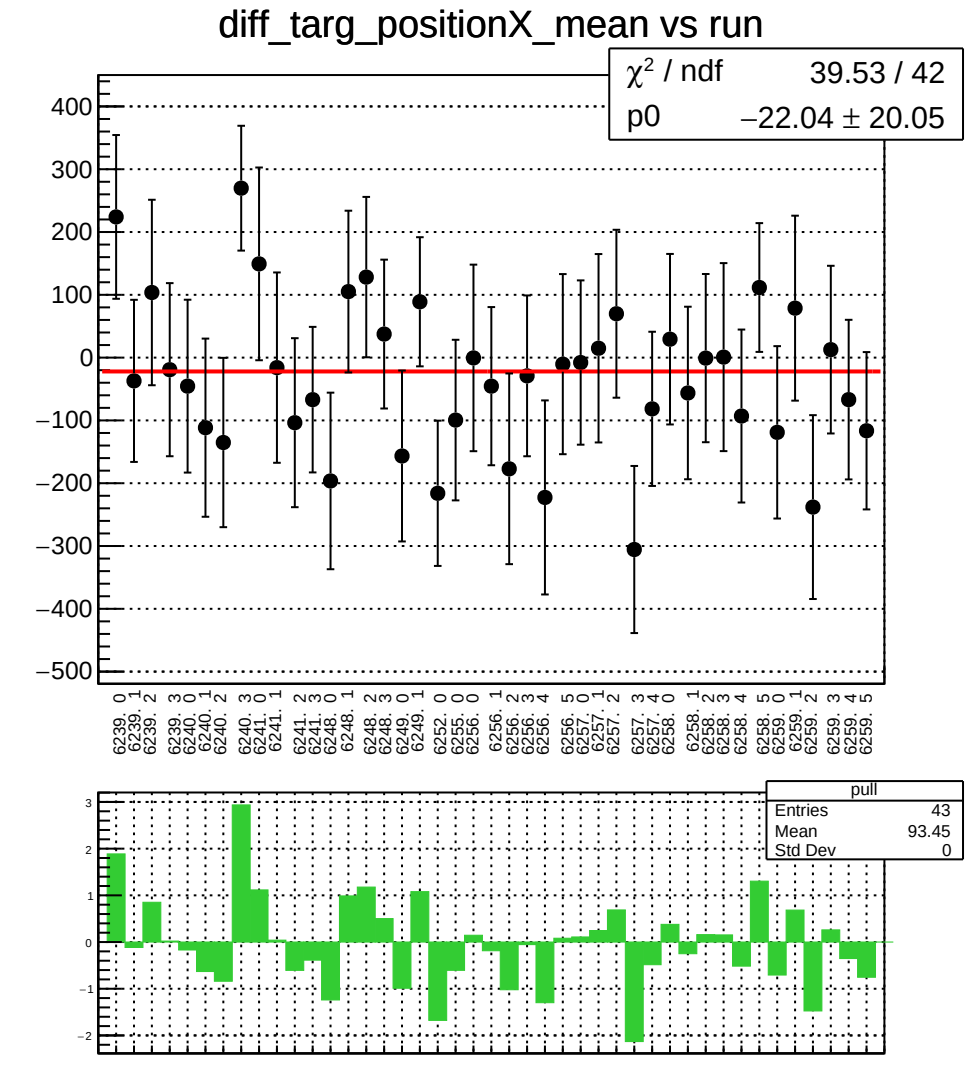

pull1D
Entries 43
Mean 0.004734
Std Dev 0.9265

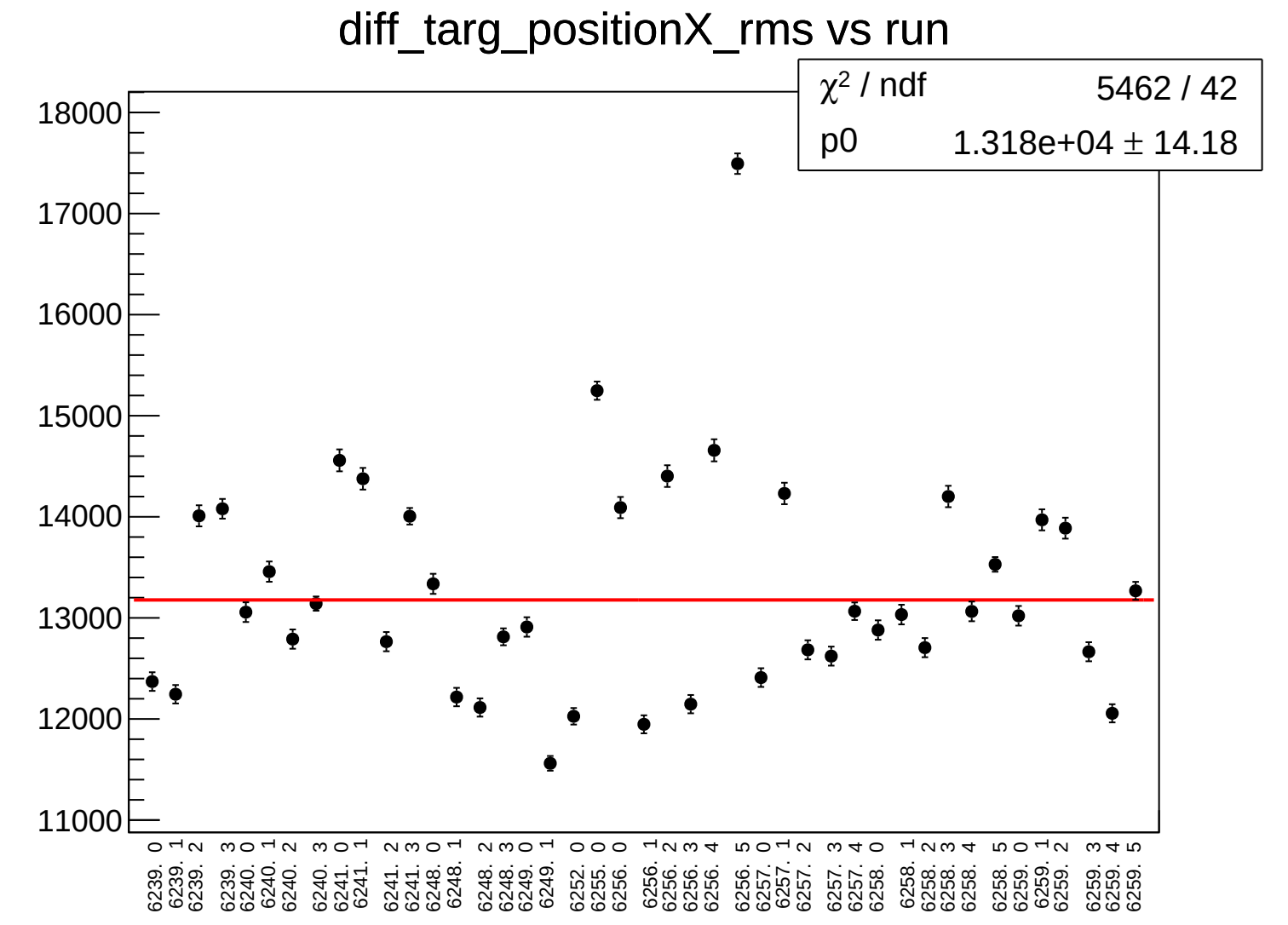

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 117.5 / 42
p0 800.8 ± 0.8589
830
820
810
800
790
780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

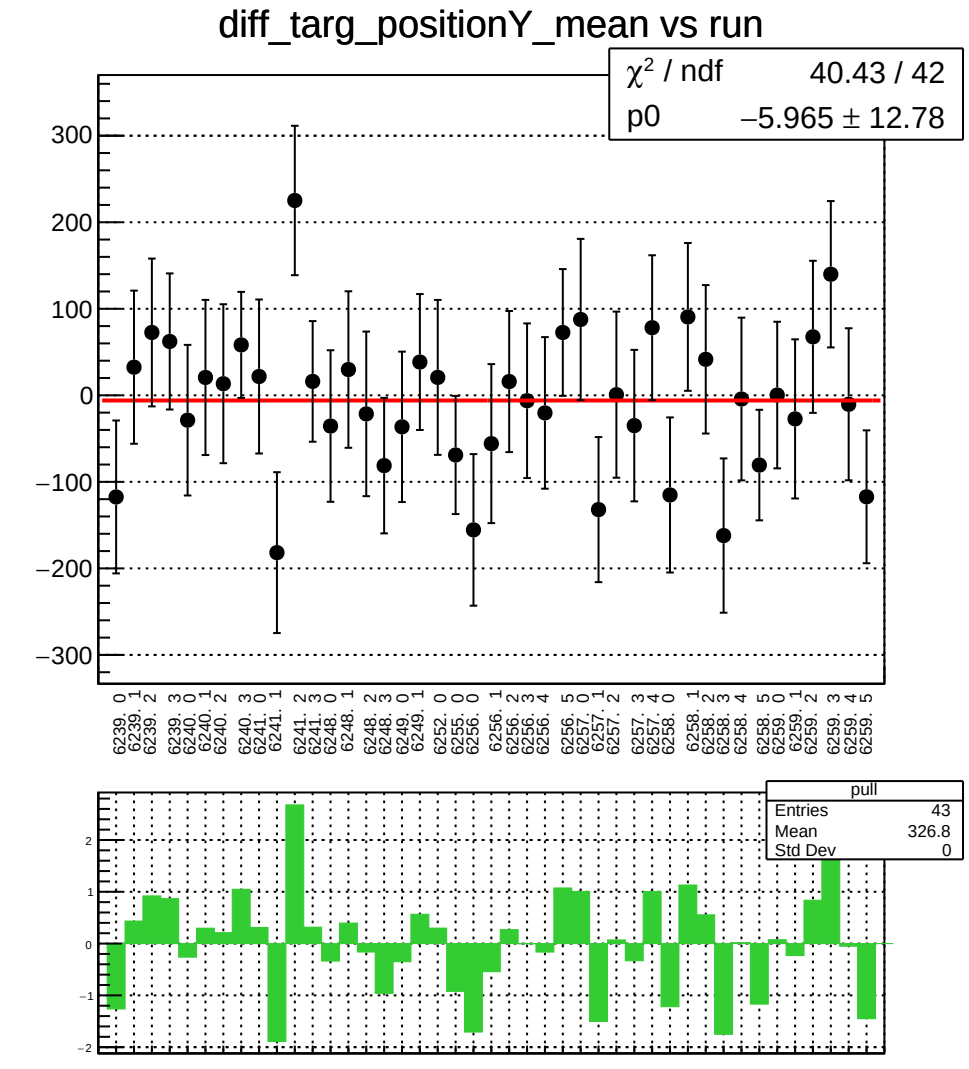

diff_dispE_bpm12X_mean vs run
χ² / ndf 47.52 / 42
p0 −0.008457 ± 0.0117
pull
Entries 43
Mean 39.43
Std Dev 0

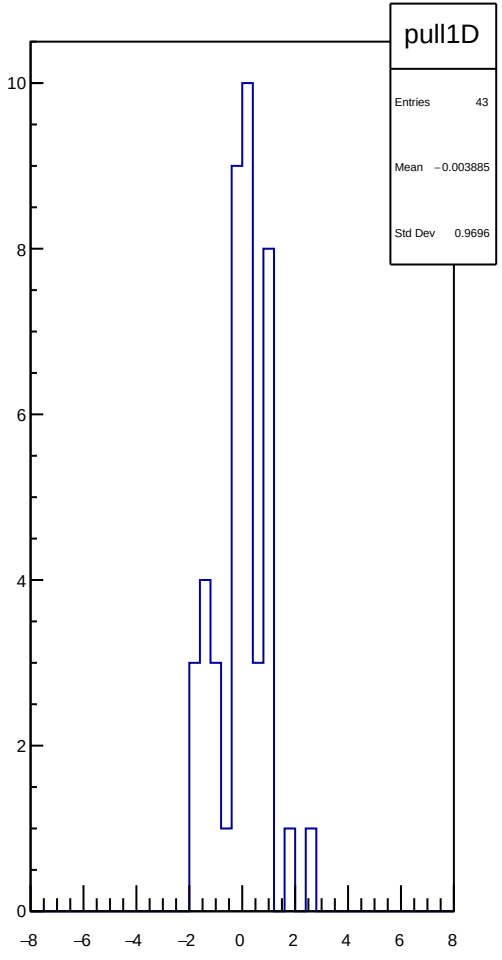

pull1D
Entries 43
Mean 0.04102
Std Dev 1.05

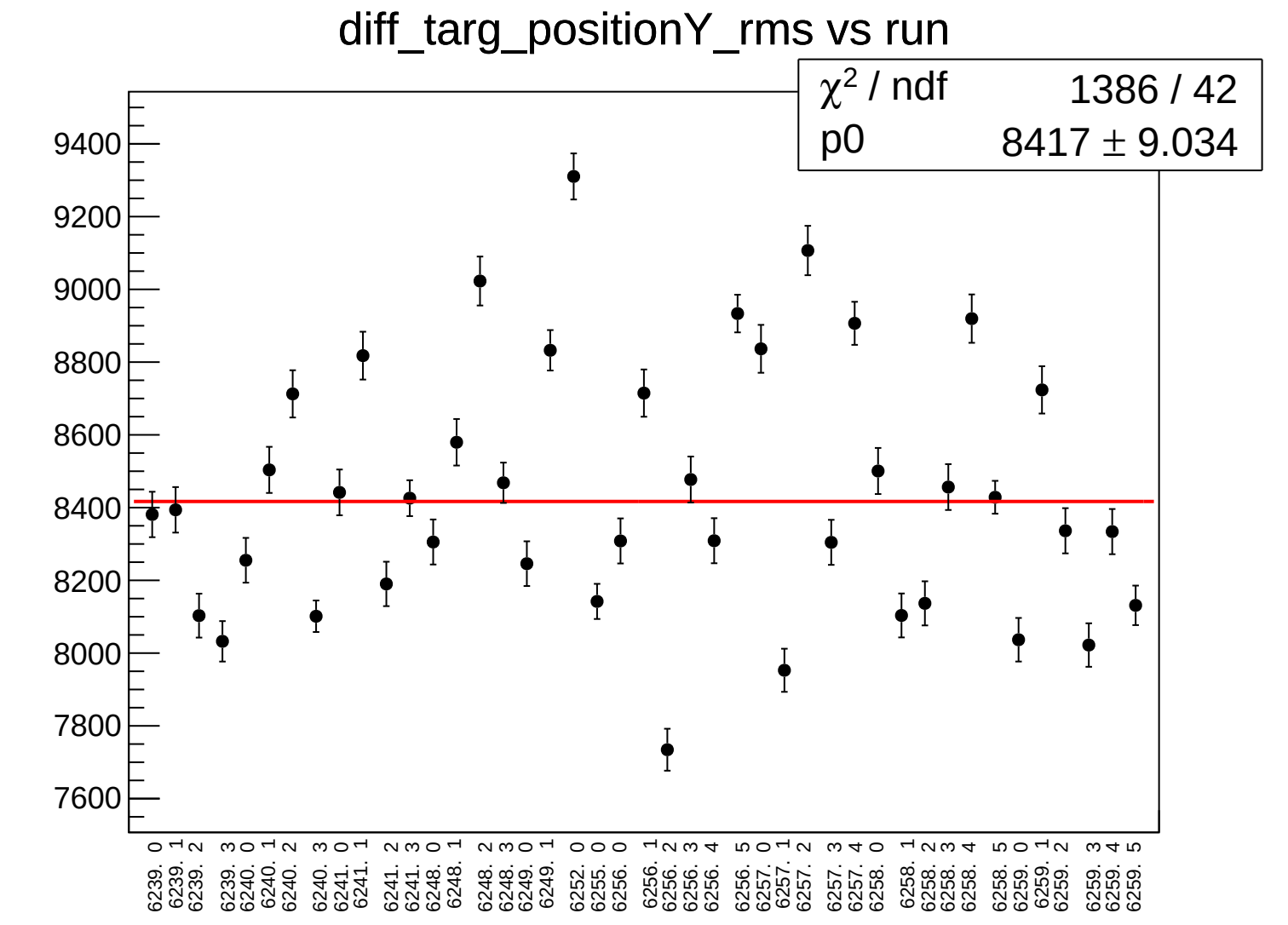

diff_dispE_bpm12X_rms vs run
χ² / ndf 1048 / 42
p0 7.708 ± 0.008272
8.6
8.4
8.2
8
7.8
7.6
7.4
7.2
7
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

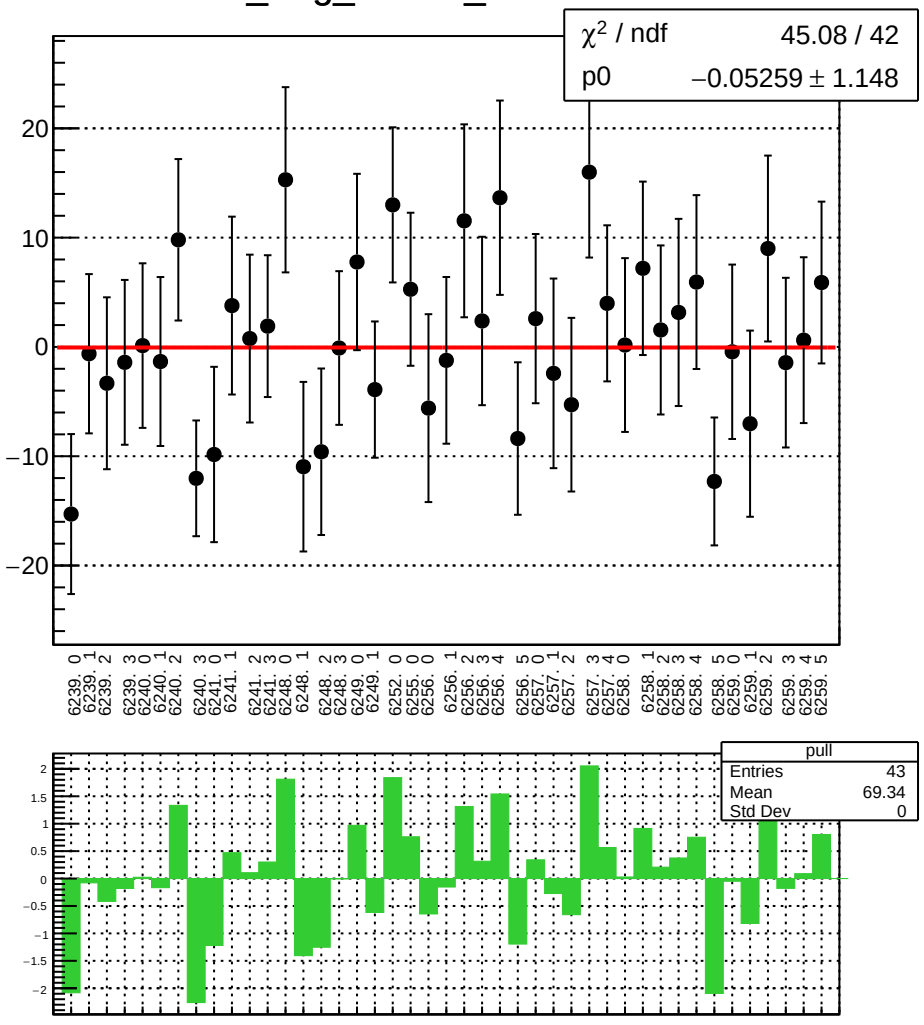

diff_targ_positionX_mean vs run
χ² / ndf 39.53 / 42
p0 −22.04 ± 20.05
pull
Entries 43
Mean 93.45
Std Dev 0
pull1D
Entries 43
Mean −0.0392
Std Dev 0.9581

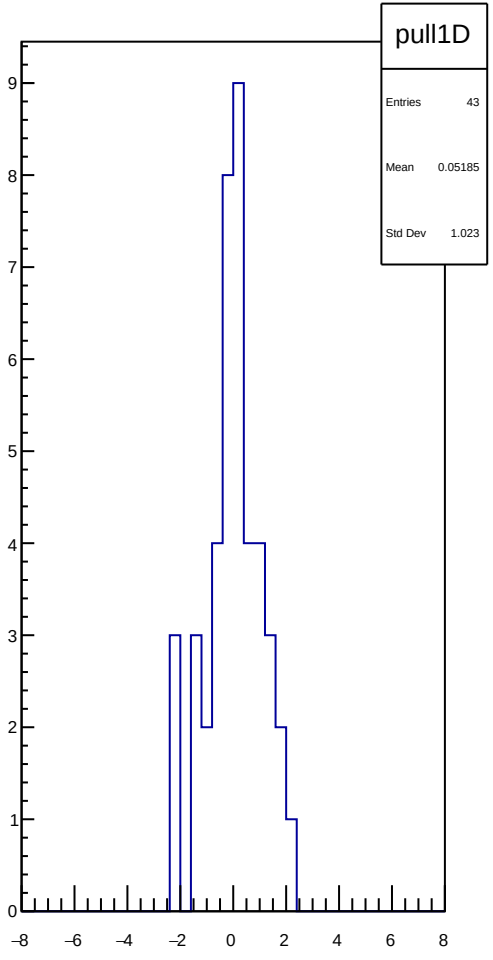

diff_targ_positionX_rms vs run
χ² / ndf 5462 / 42
p0 1.318e+04 ± 14.18
18000
17000
16000
15000
14000
13000
12000
11000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

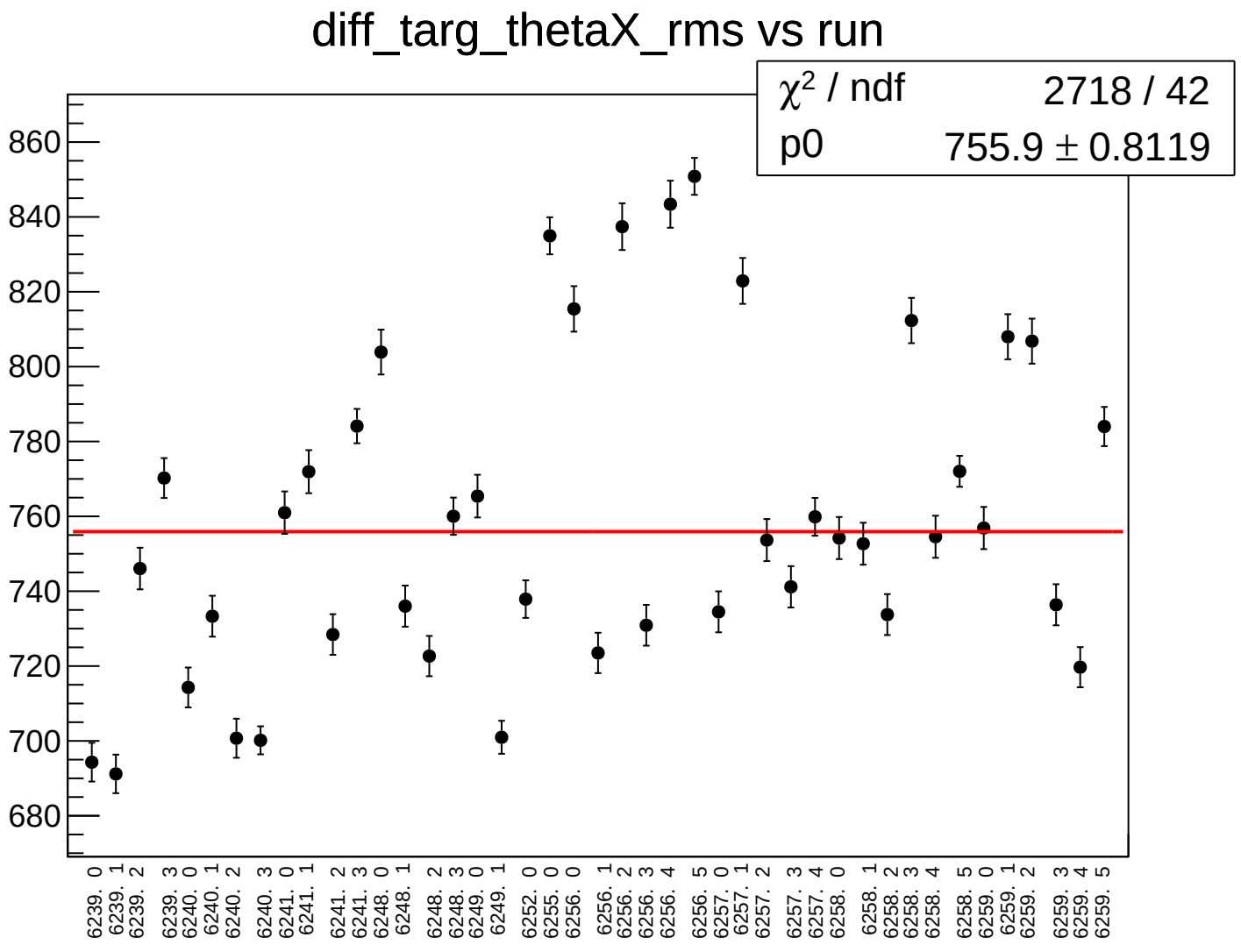

diff_targ_positionY_mean vs run
χ² / ndf 40.43 / 42
p0 −5.965 ± 12.78
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 326.8
Std Dev 0
2
1
0
−1
−2

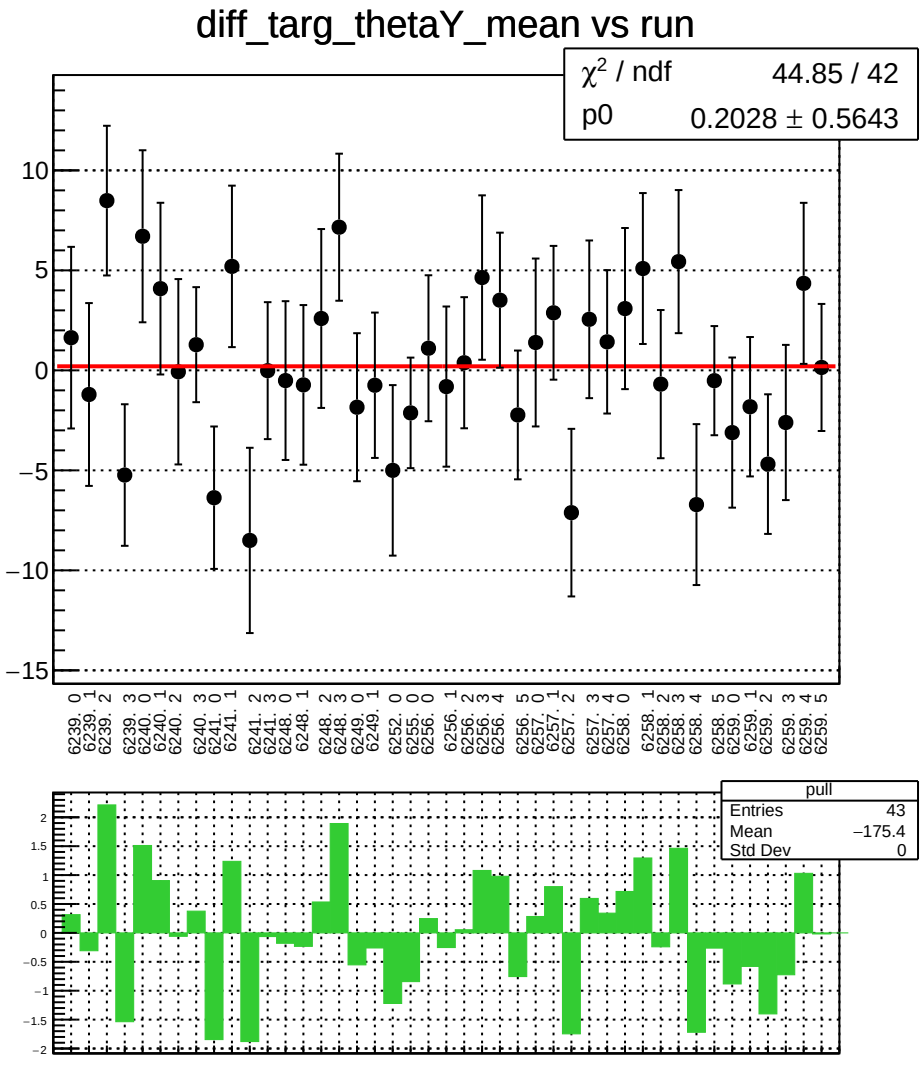

pull1D
Entries 43
Mean −0.003885
Std Dev 0.9696
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

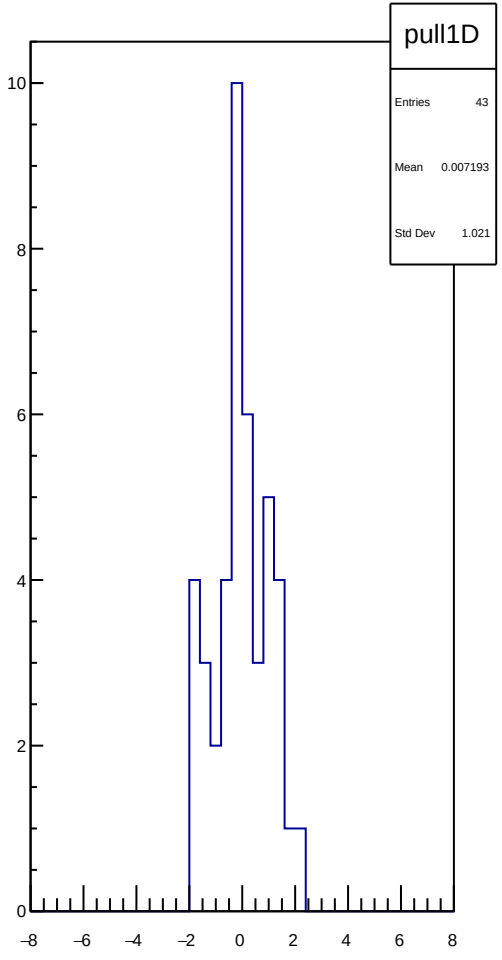

diff_targ_positionY_rms vs run
χ² / ndf 1386 / 42
p0 8417 ± 9.034
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

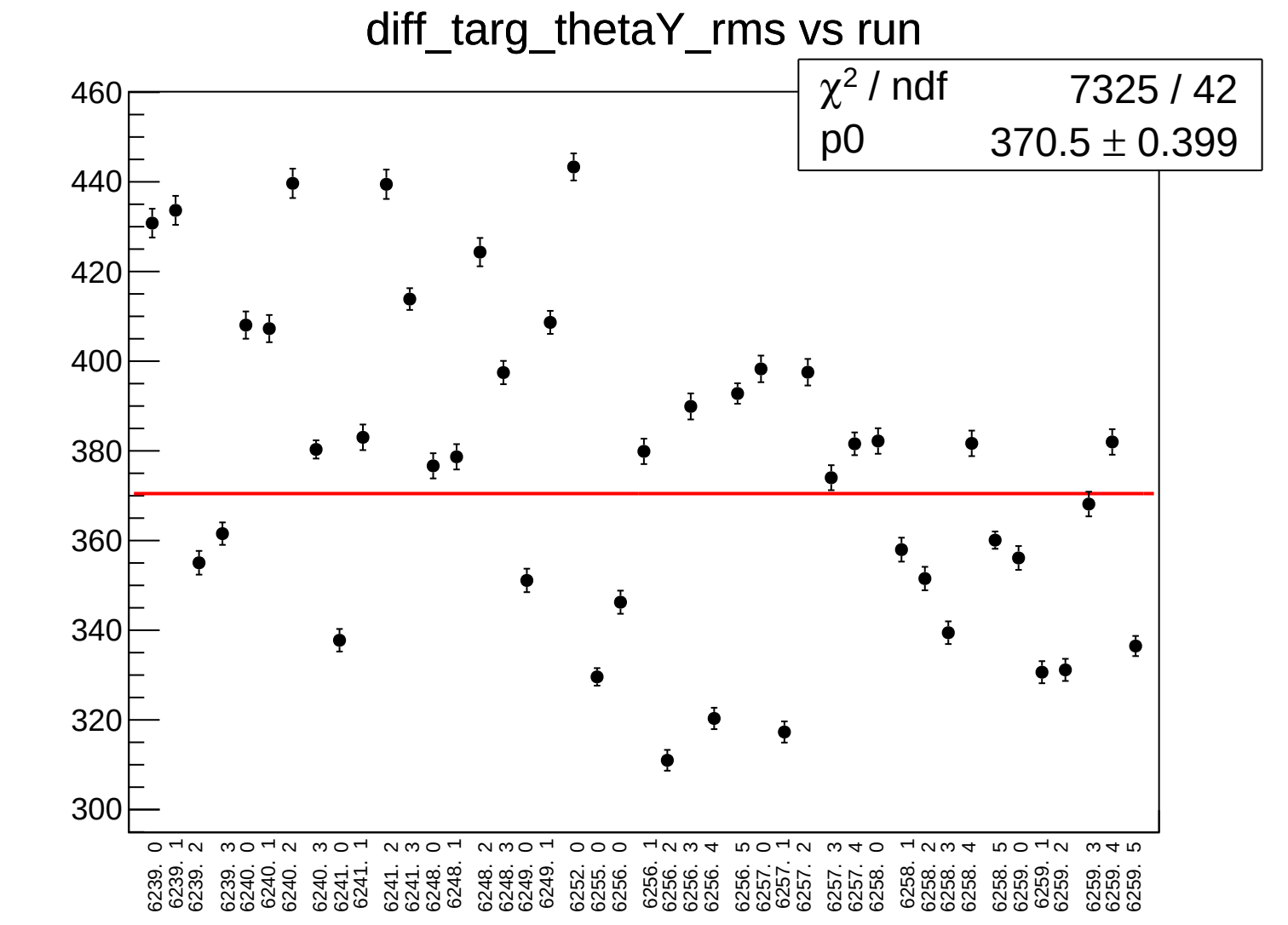

diff_targ_thetaX_mean vs run
χ² / ndf 45.08 / 42
p0 −0.05259 ± 1.148
pull
Entries 43
Mean 69.34
Std Dev 0

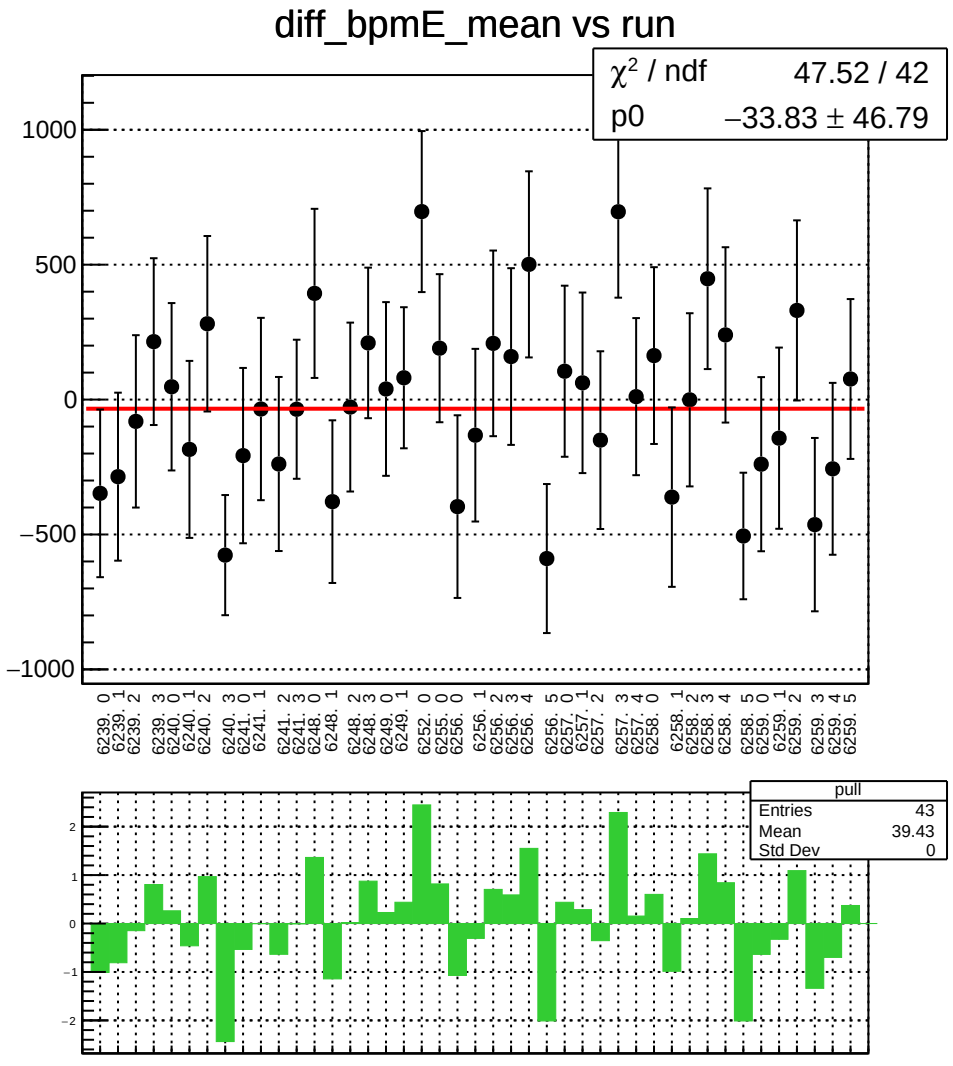

pull1D
Entries 43
Mean 0.05185
Std Dev 1.023

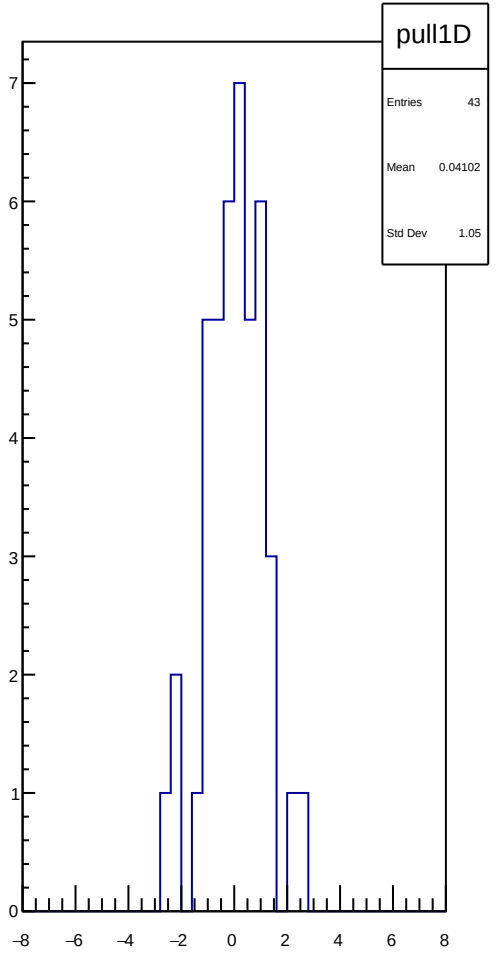

diff_targ_thetaX_rms vs run
χ² / ndf 2718 / 42
p0 755.9 ± 0.8119
860
840
820
800
780
760
740
720
700
680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

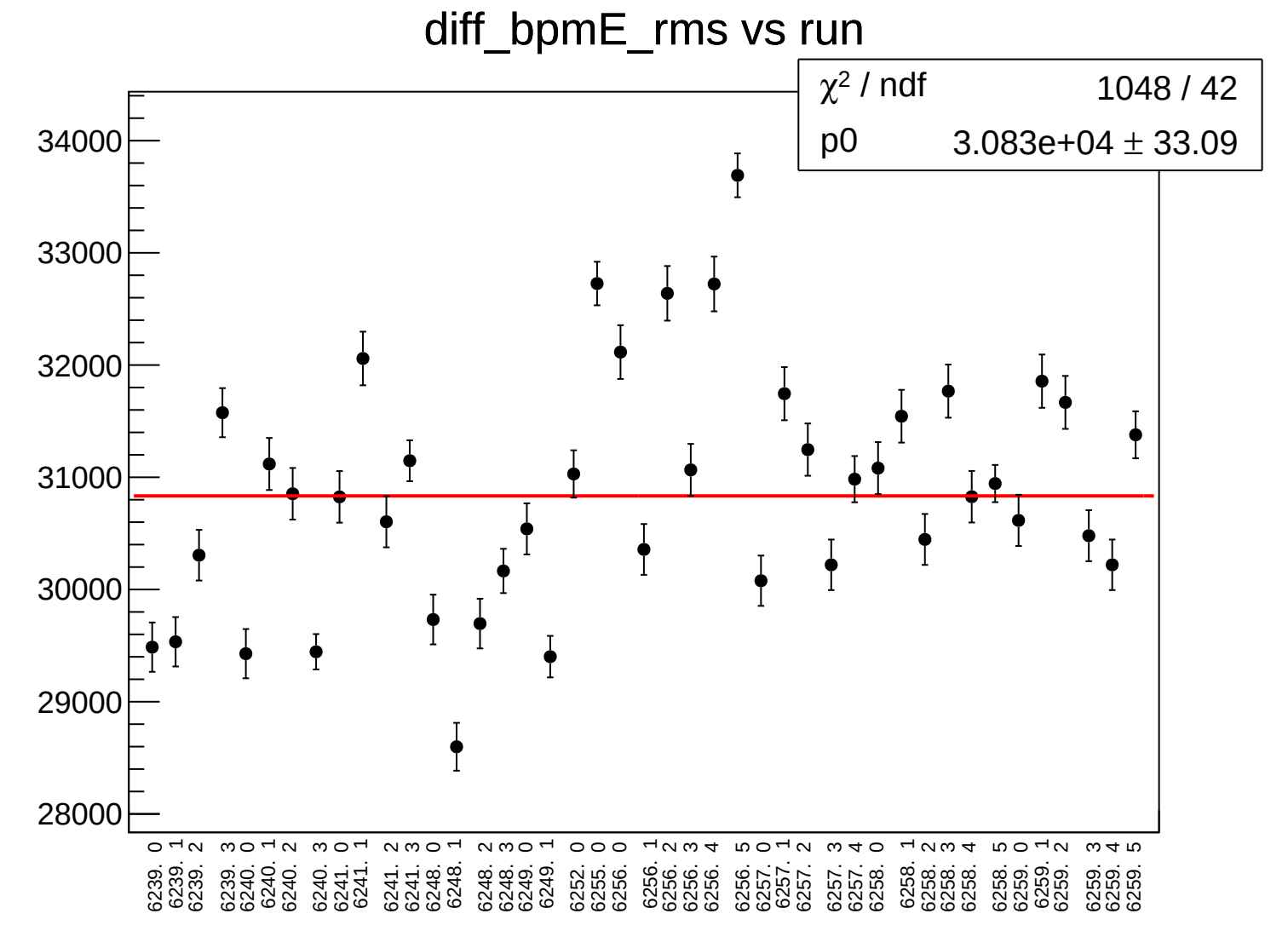

diff_targ_thetaY_mean vs run
χ² / ndf 44.85 / 42
p0 0.2028 ± 0.5643
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −175.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

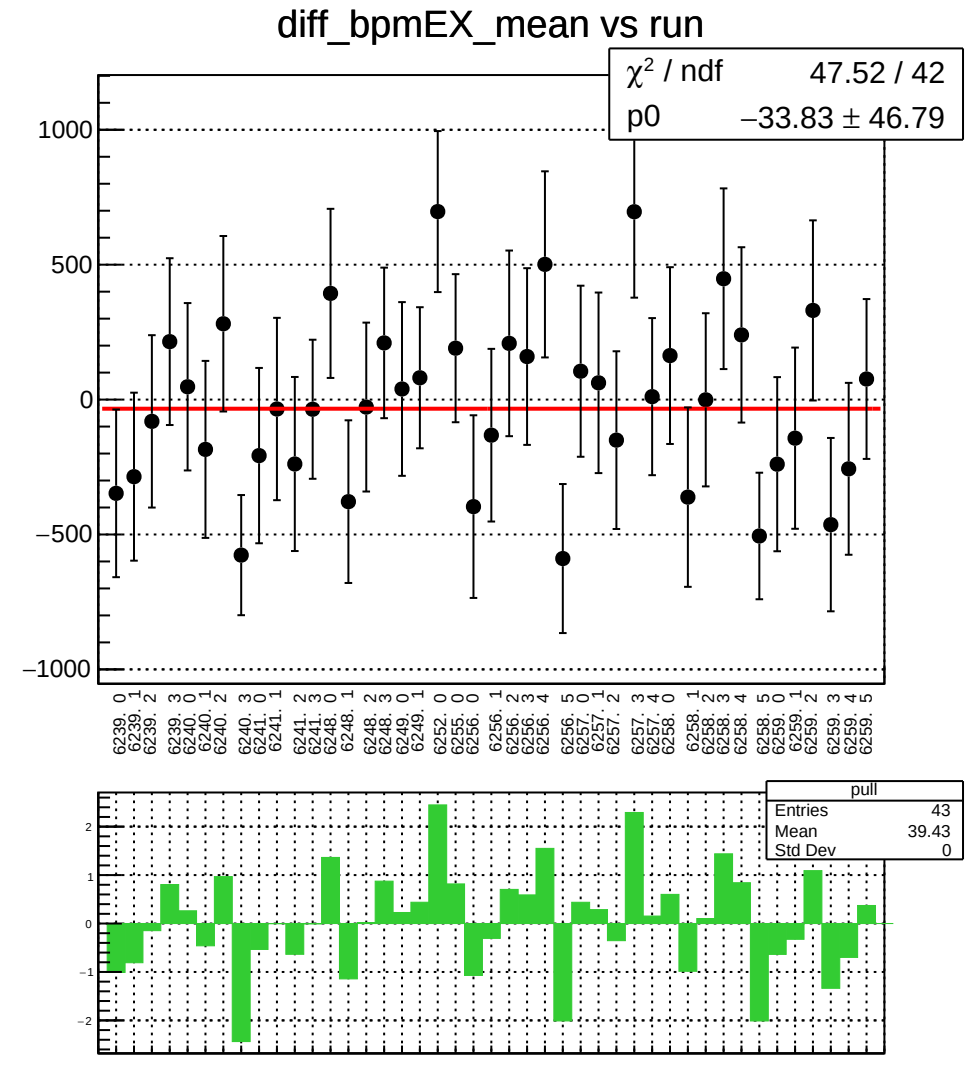

pull1D
Entries 43
Mean 0.007193
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

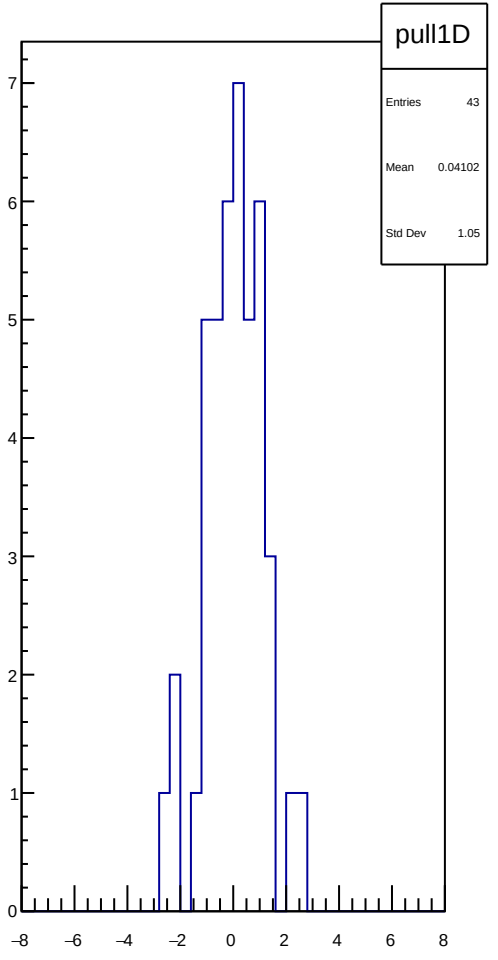

diff_targ_thetaY_rms vs run
χ² / ndf 7325 / 42
p0 370.5 ± 0.399
460
440
420
400
380
360
340
320
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

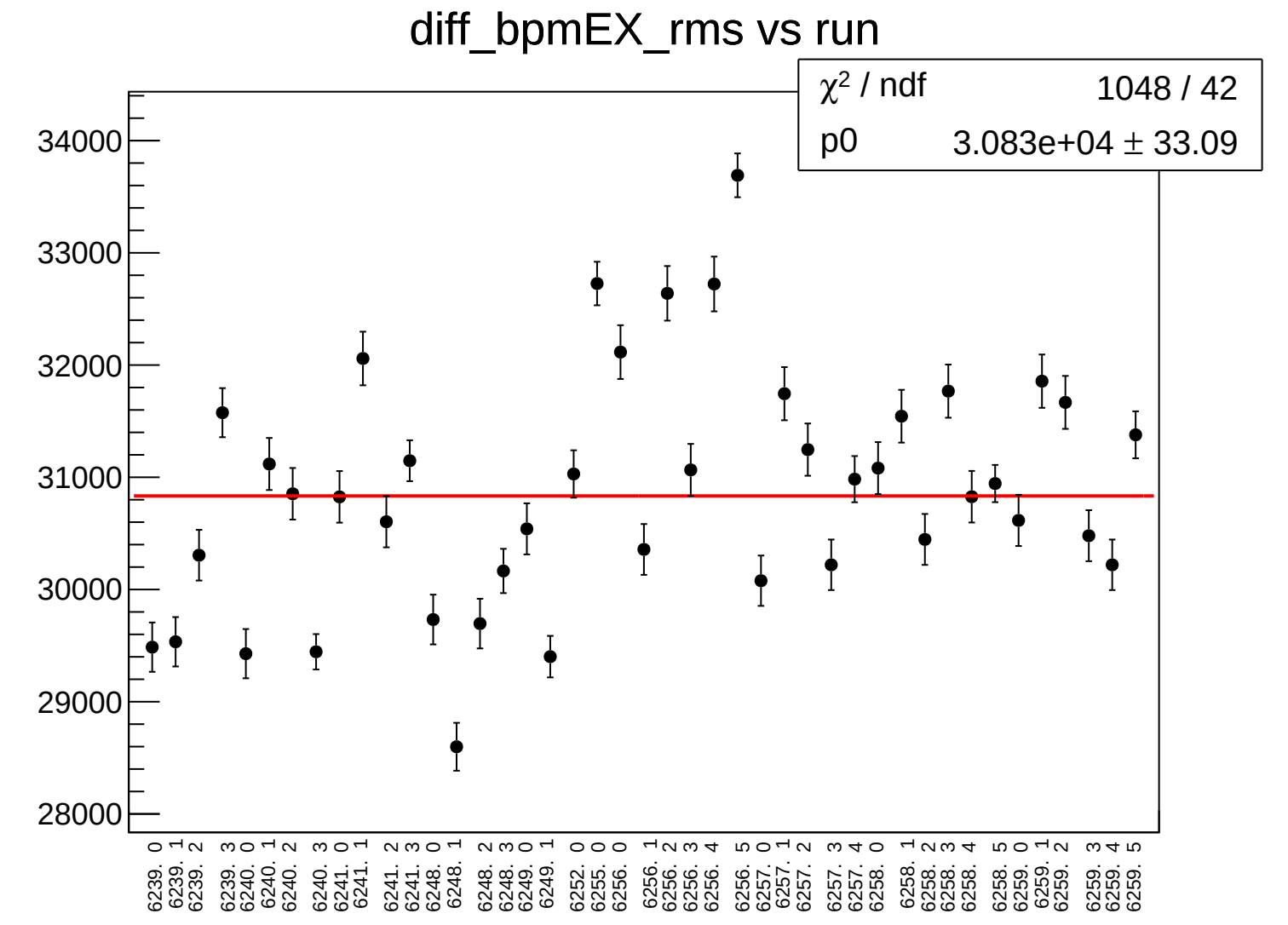

diff_bpmE_mean vs run
χ² / ndf 47.52 / 42
p0 −33.83 ± 46.79
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.43
Std Dev 0
2
1
0
−1
−2

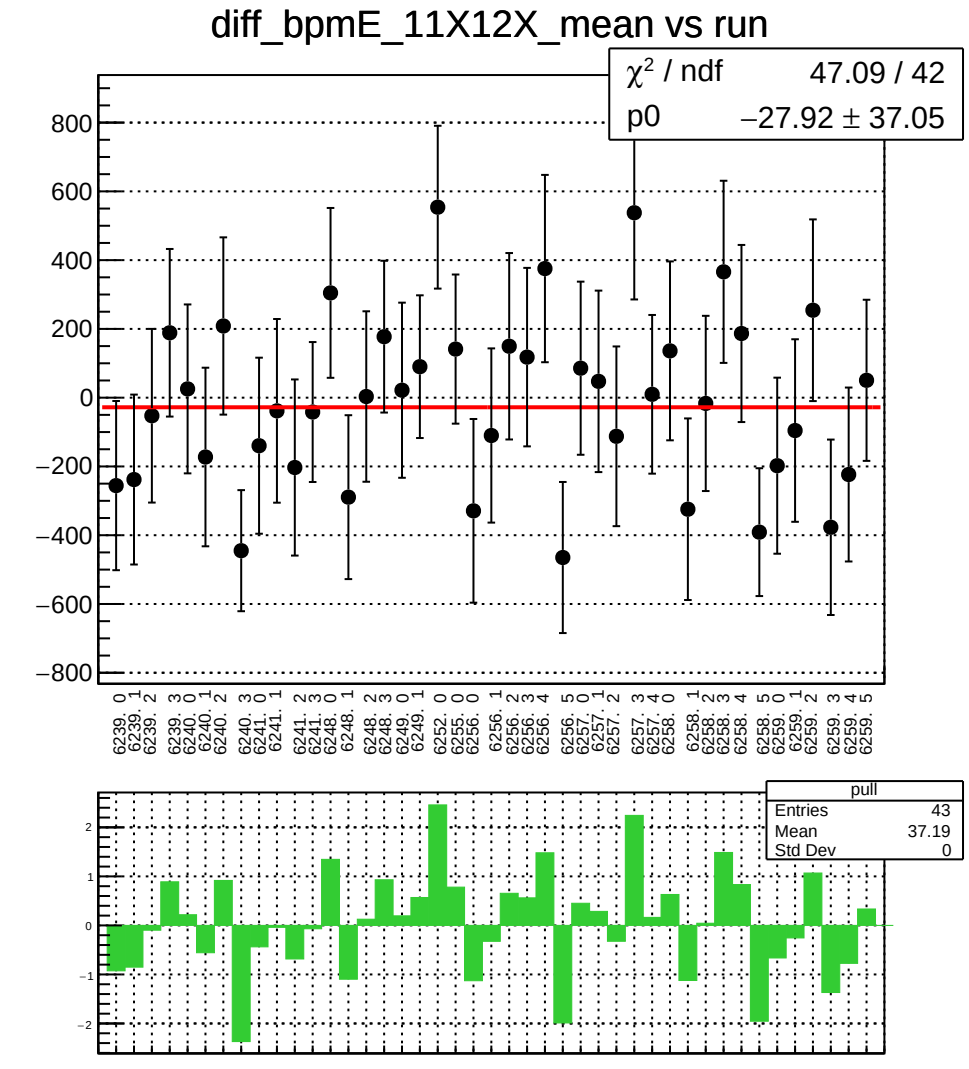

pull1D
Entries 43
Mean 0.04102
Std Dev 1.05
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

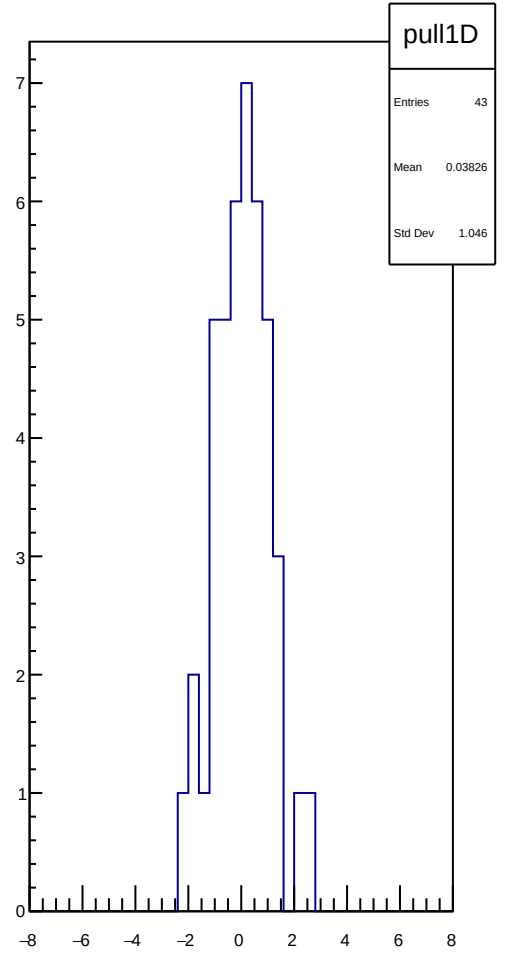

diff_bpmE_rms vs run
χ² / ndf 1048 / 42
p0 3.083e+04 ± 33.09
34000
33000
32000
31000
30000
29000
28000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

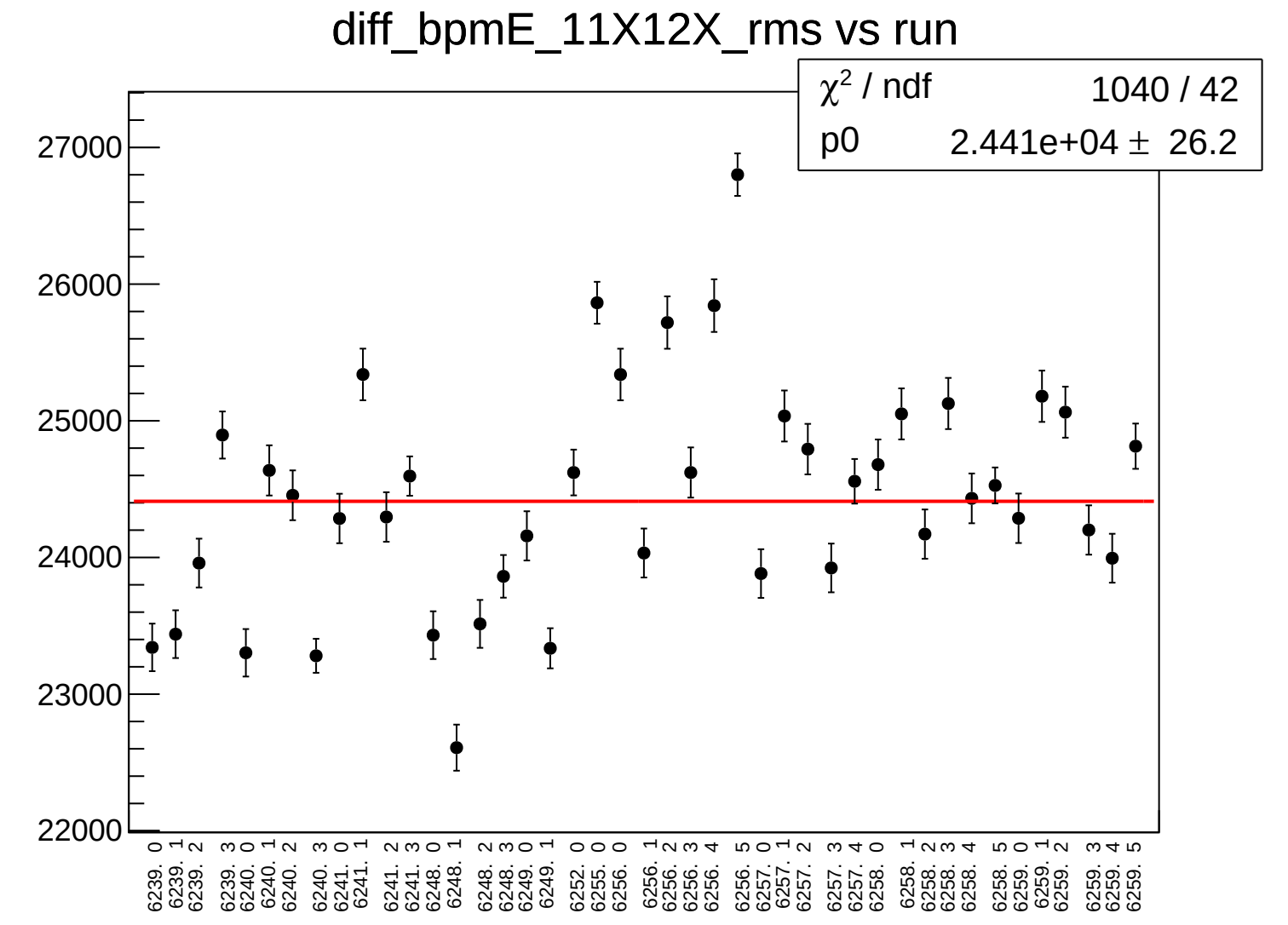

diff_bpmEX_mean vs run
χ² / ndf 47.52 / 42
p0 −33.83 ± 46.79
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.43
Std Dev 0
2
1
0
−1
−2

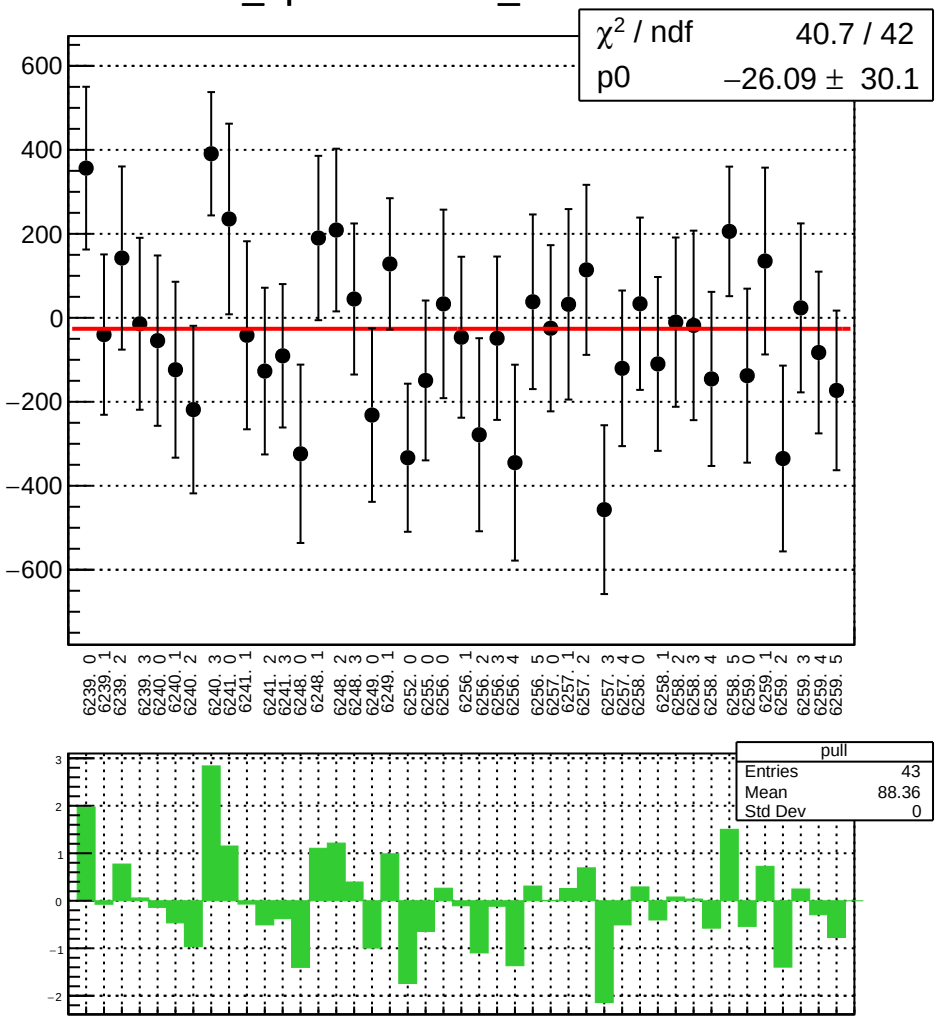

pull1D
Entries 43
Mean 0.04102
Std Dev 1.05
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

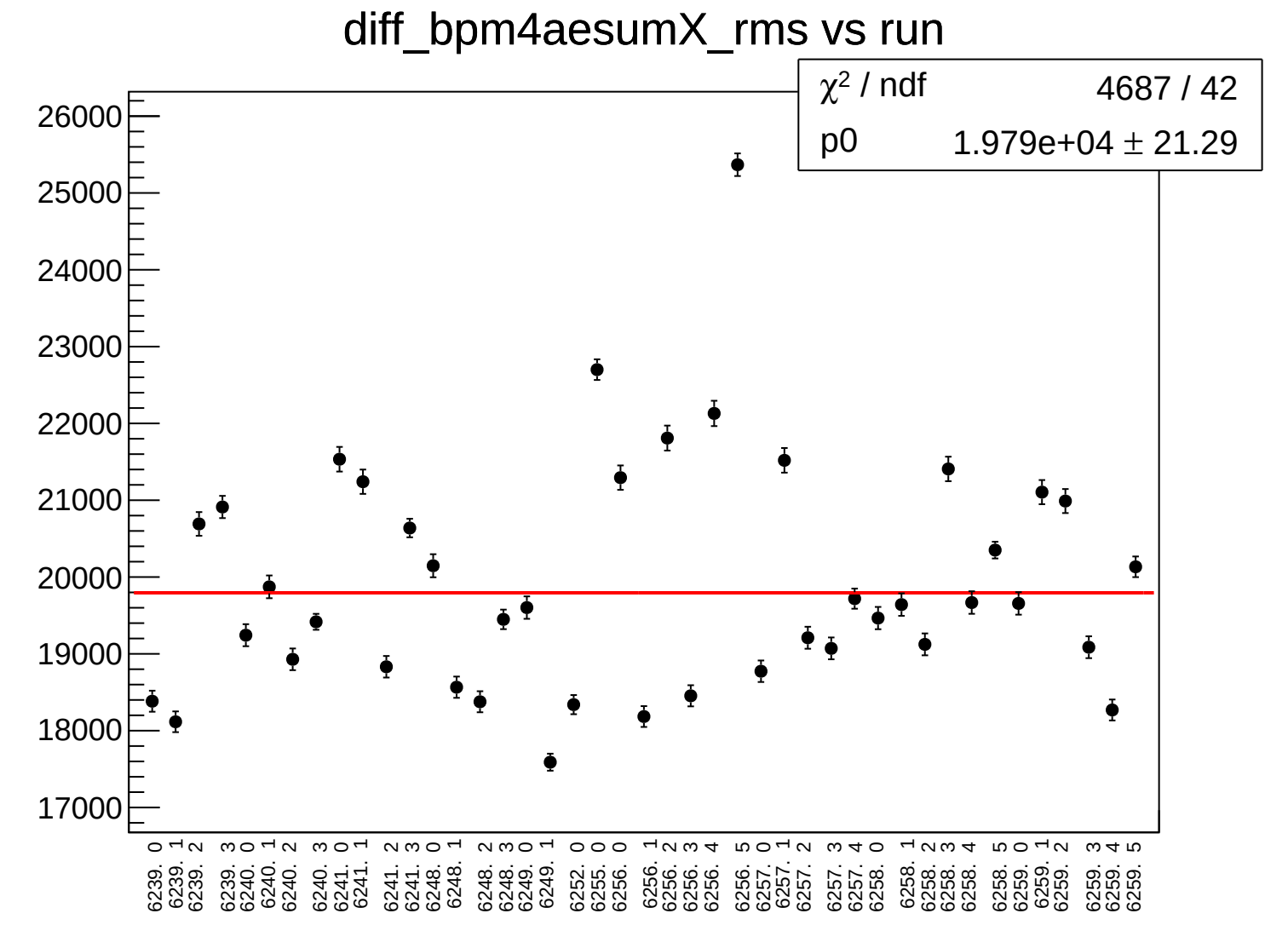

diff_bpmEX_rms vs run
χ² / ndf 1048 / 42
p0 3.083e+04 ± 33.09
34000
33000
32000
31000
30000
29000
28000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

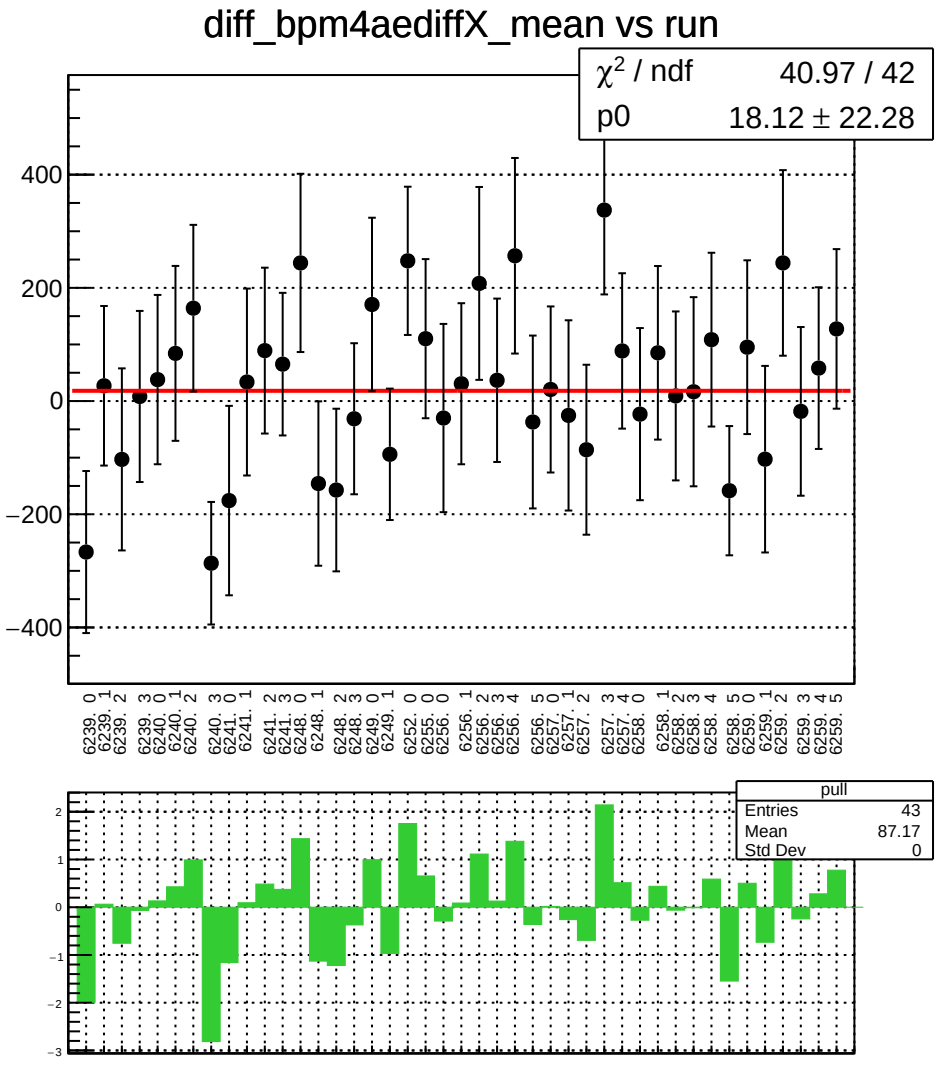

diff_bpmE_11X12X_mean vs run
χ² / ndf 47.09 / 42
p0 −27.92 ± 37.05
pull
Entries 43
Mean 37.19
Std Dev 0

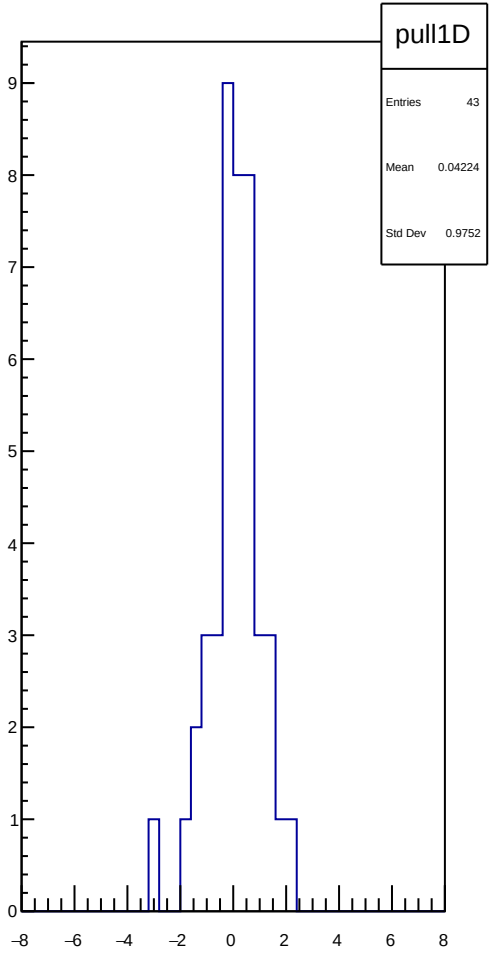

pull1D
Entries 43
Mean 0.03826
Std Dev 1.046

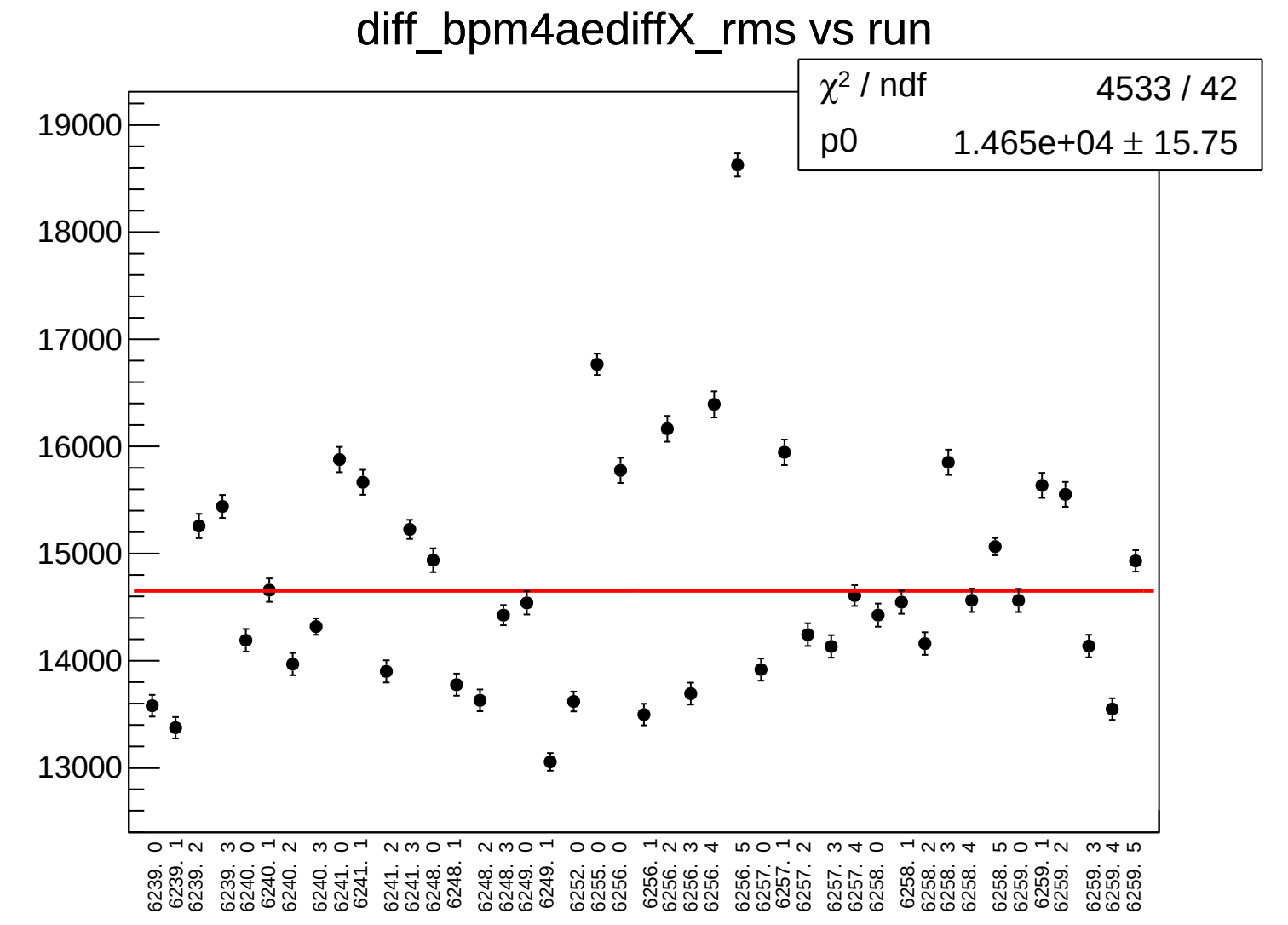

diff_bpmE_11X12X_rms vs run
χ² / ndf 1040 / 42
p0 2.441e+04 ± 26.2
27000
26000
25000
24000
23000
22000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

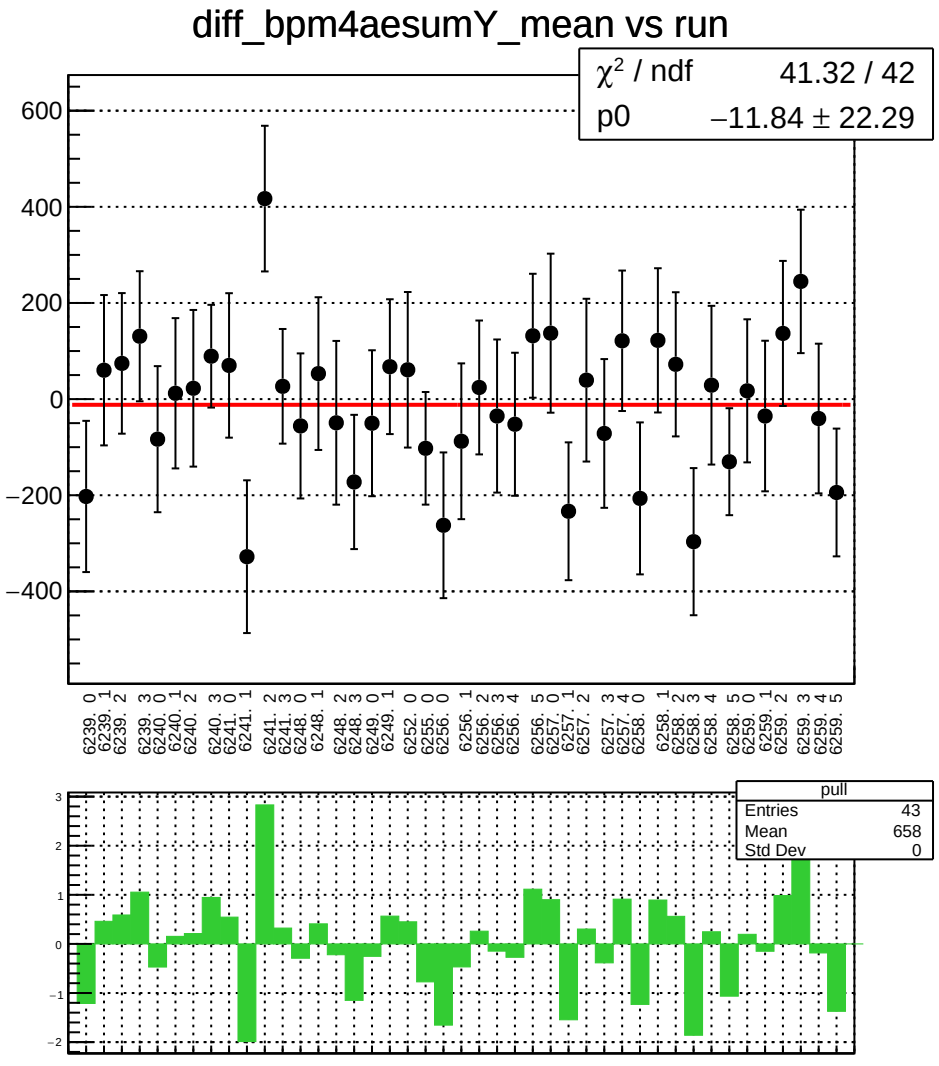

diff_bpm4aesumX_mean vs run
χ² / ndf 40.7 / 42
p0 −26.09 ± 30.1
pull
Entries 43
Mean 88.36
Std Dev 0
pull1D
Entries 43
Mean −0.04165
Std Dev 0.972

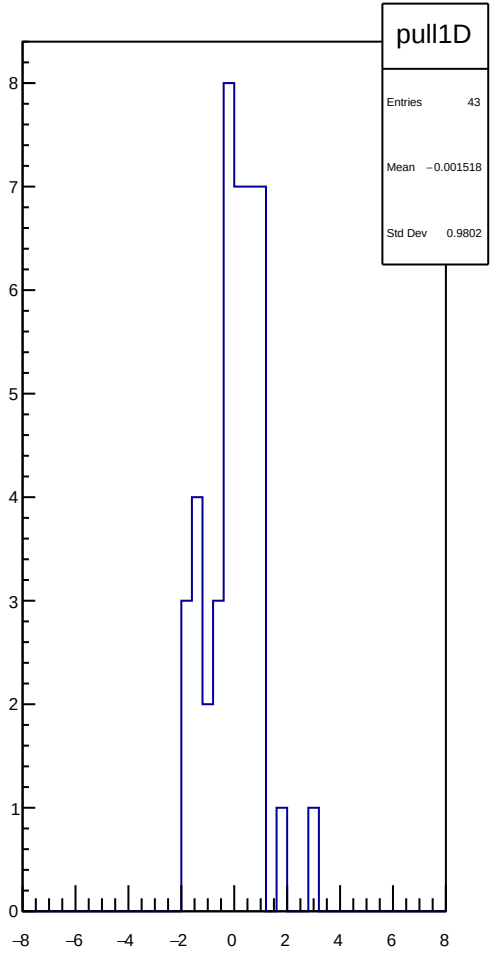

diff_bpm4aesumX_rms vs run
χ² / ndf 4687 / 42
p0 1.979e+04 ± 21.29
26000
25000
24000
23000
22000
21000
20000
19000
18000
17000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

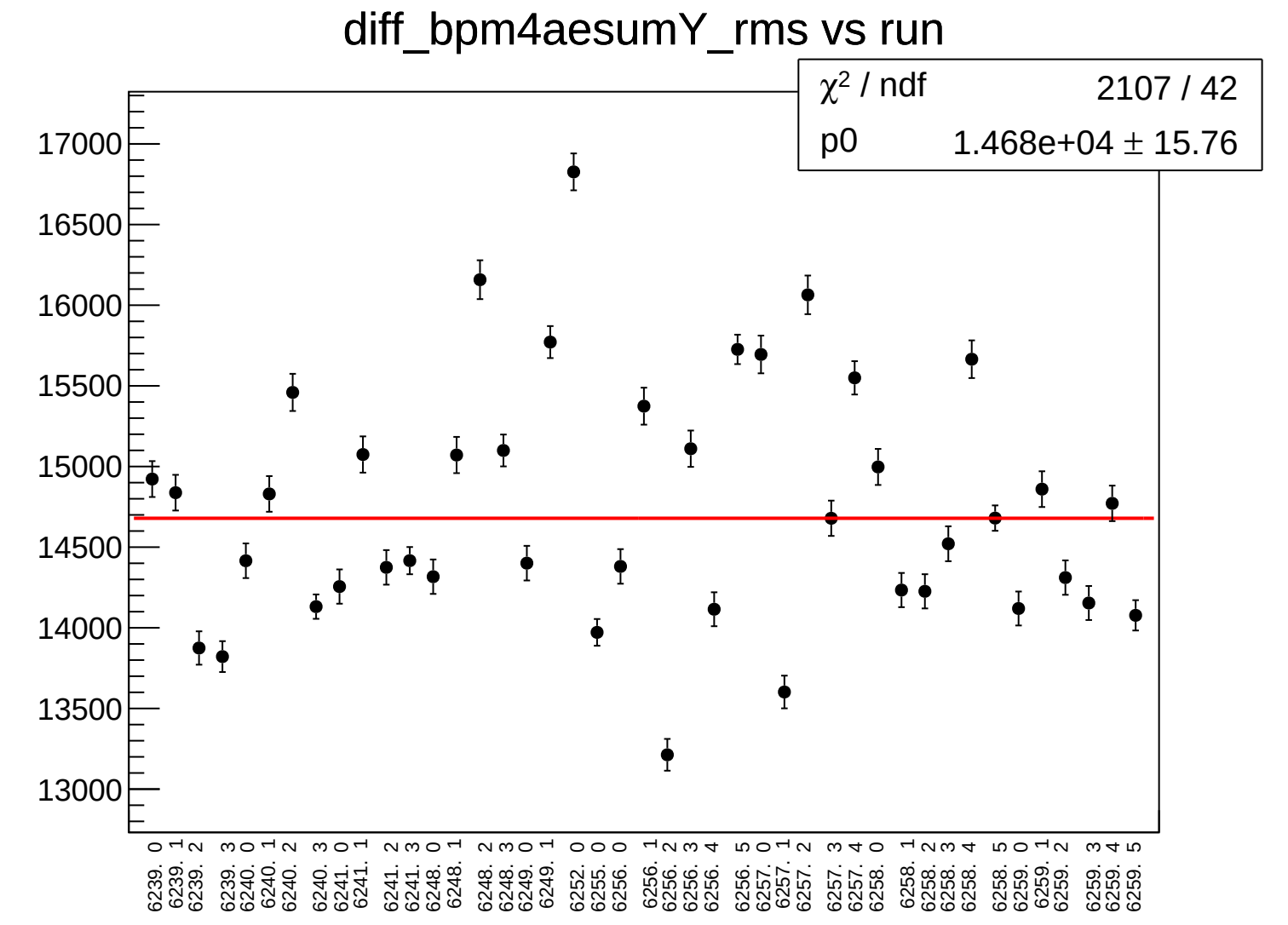

diff_bpm4aediffX_mean vs run
χ² / ndf 40.97 / 42
p0 18.12 ± 22.28
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.17
Std Dev 0
2
1
0
−1
−2
−3

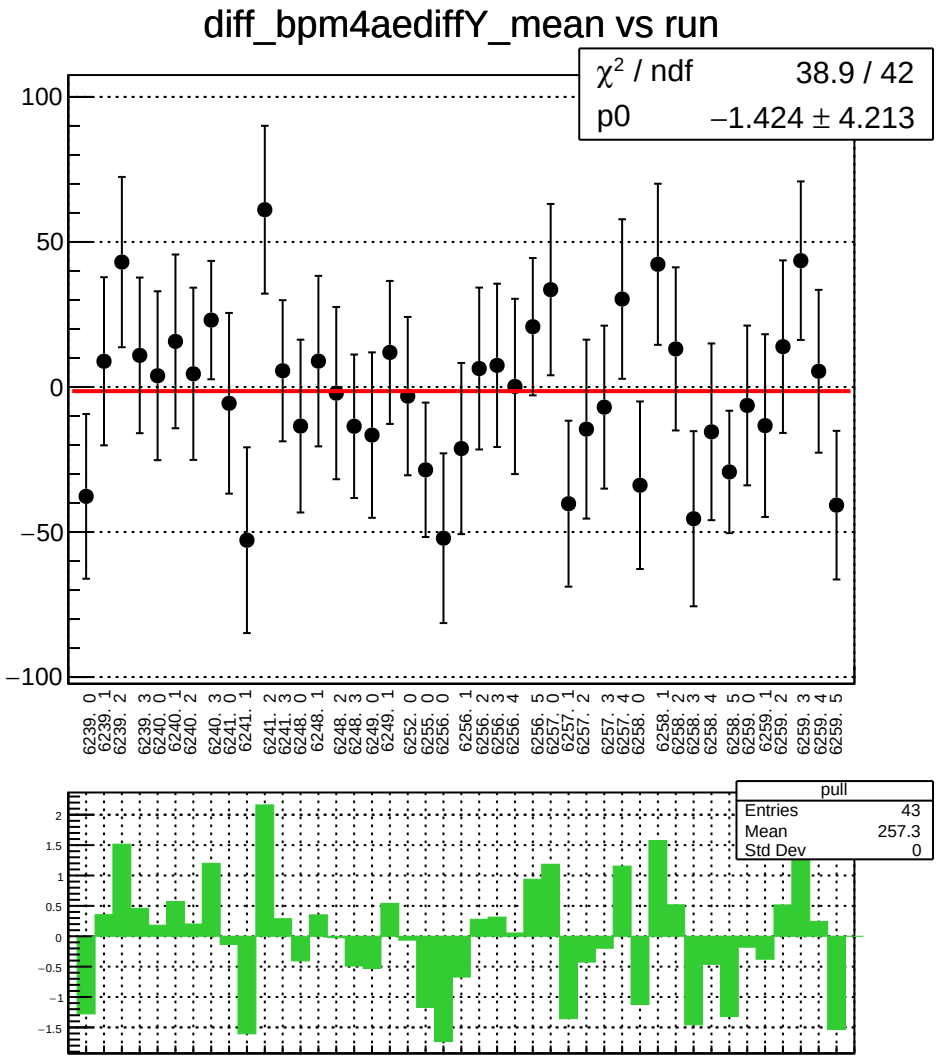

pull1D
Entries 43
Mean 0.04224
Std Dev 0.9752
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

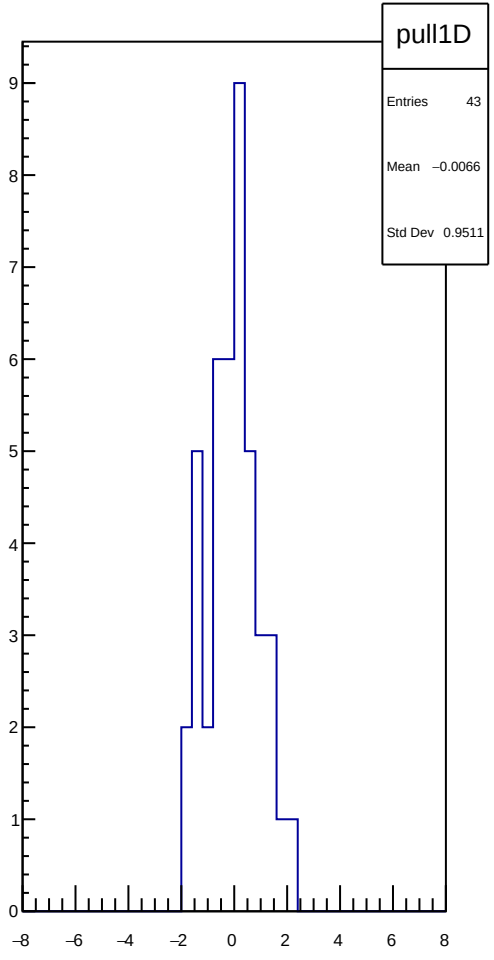

diff_bpm4aediffX_rms vs run
χ² / ndf 4533 / 42
p0 1.465e+04 ± 15.75
19000
18000
17000
16000
15000
14000
13000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

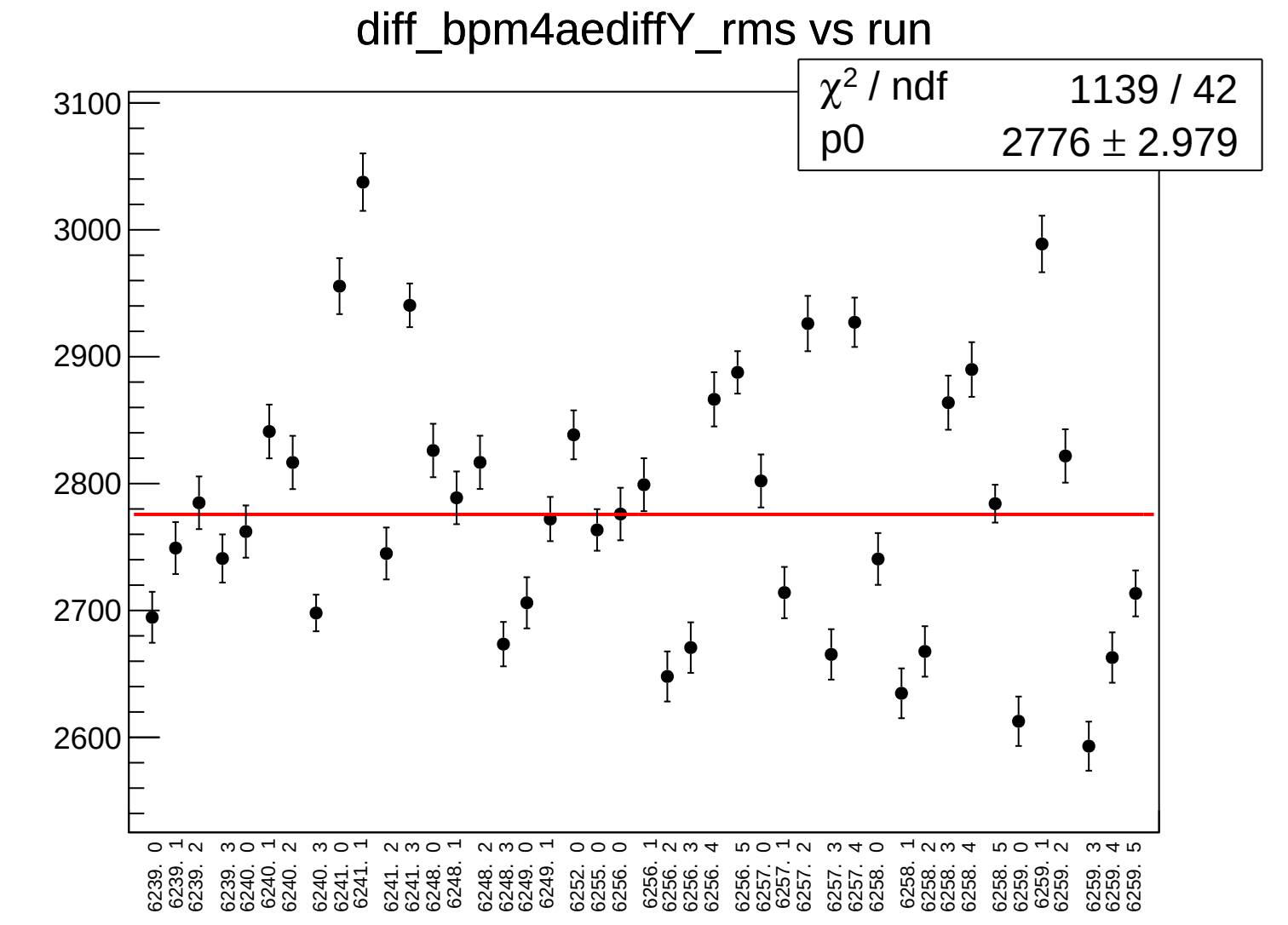

diff_bpm4aesumY_mean vs run
χ² / ndf 41.32 / 42
p0 −11.84 ± 22.29
600
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 658
Std Dev 0
3
2
1
0
−1
−2

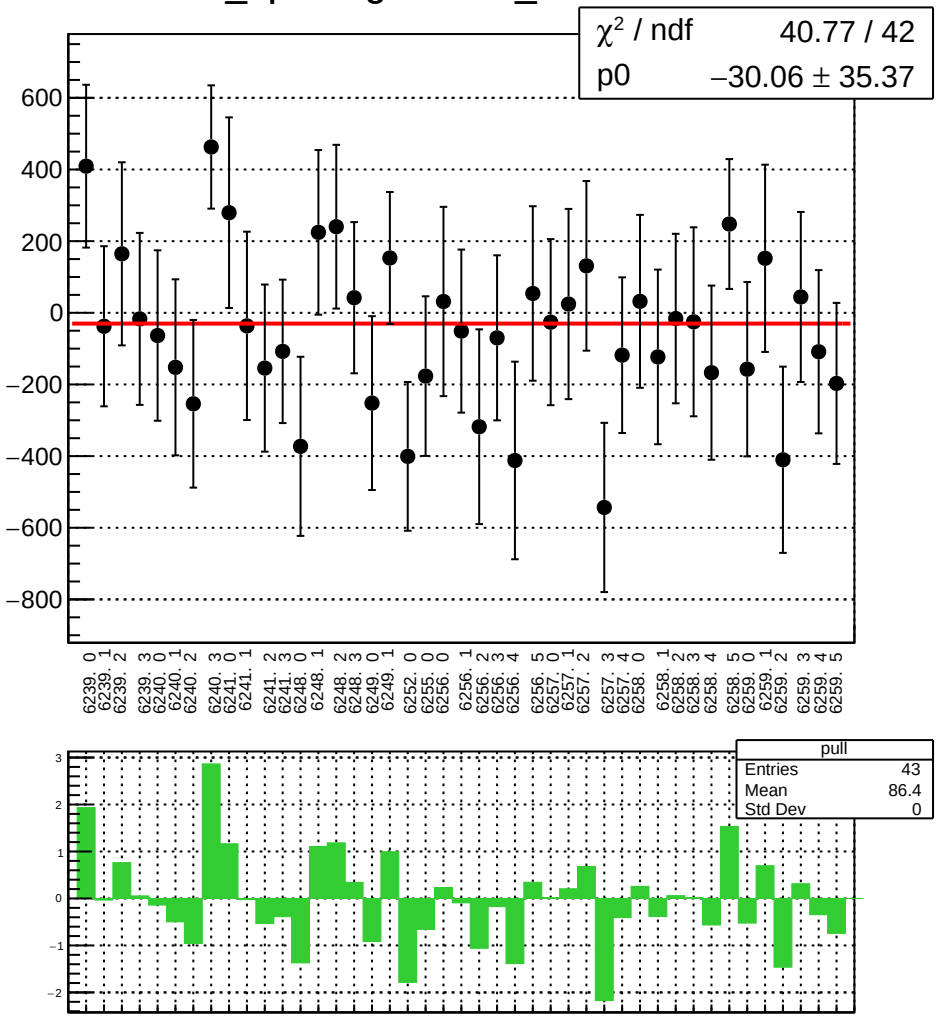

pull1D
Entries 43
Mean −0.001518
Std Dev 0.9802
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

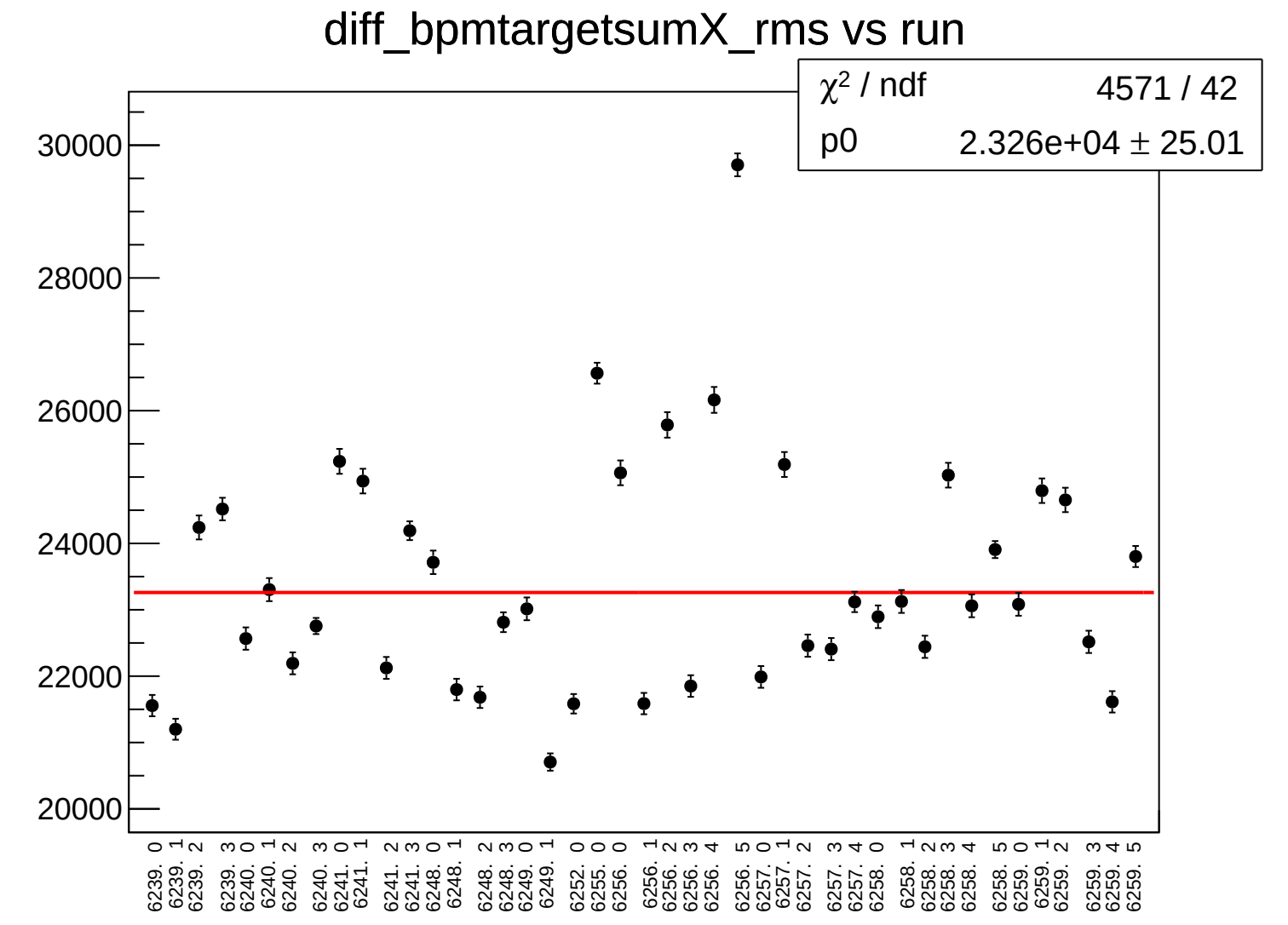

diff_bpm4aesumY_rms vs run
χ² / ndf 2107 / 42
p0 1.468e+04 ± 15.76
17000
16500
16000
15500
15000
14500
14000
13500
13000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

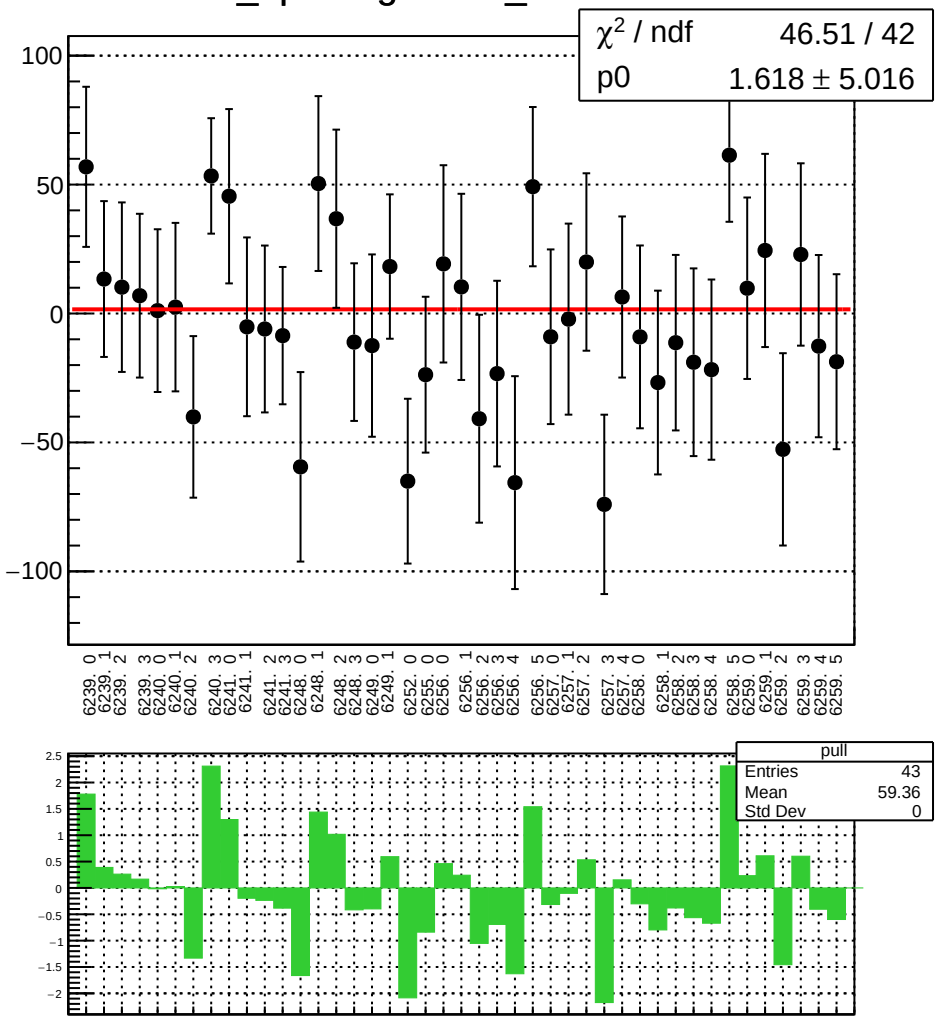

diff_bpm4aediffY_mean vs run
χ² / ndf 38.9 / 42
p0 −1.424 ± 4.213
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 257.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

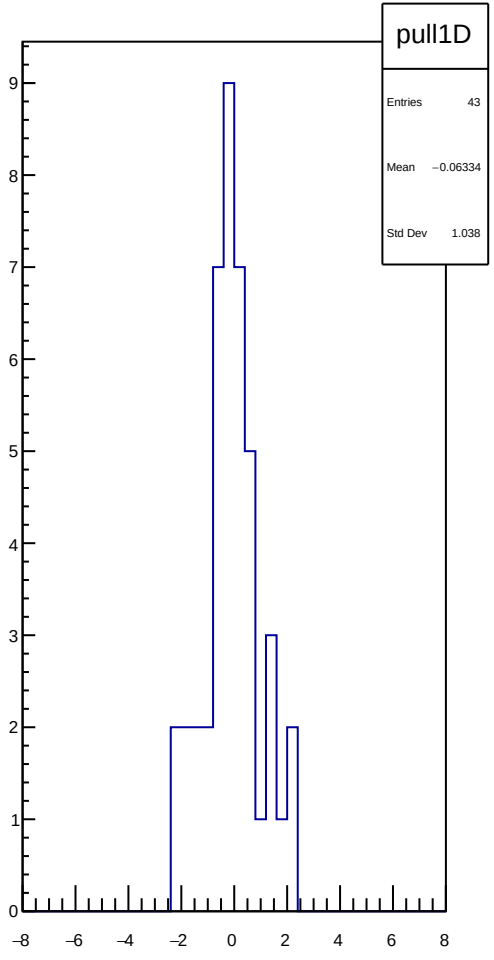

pull1D
Entries 43
Mean −0.0066
Std Dev 0.9511
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

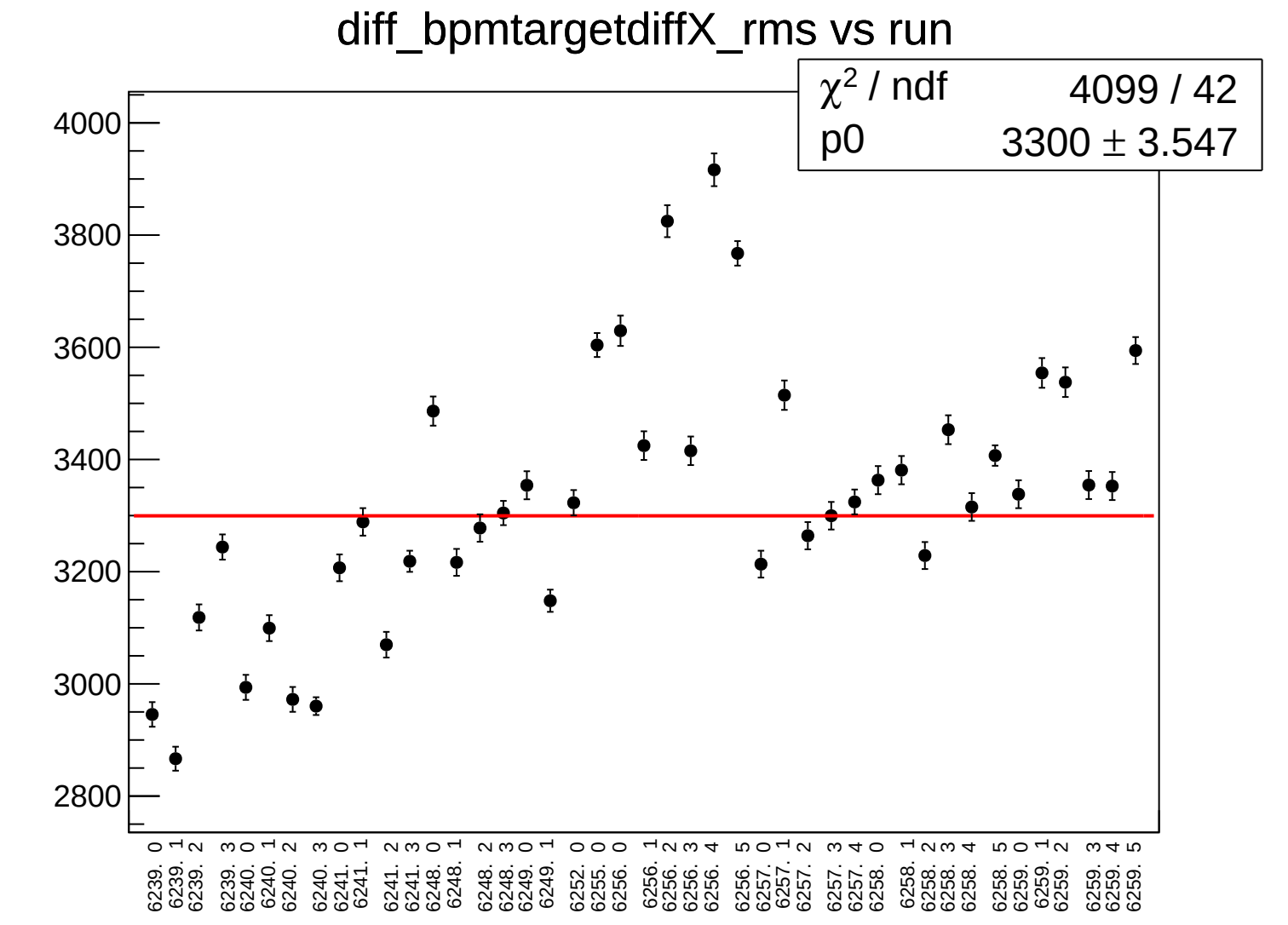

diff_bpm4aediffY_rms vs run
χ² / ndf 1139 / 42
p0 2776 ± 2.979
3100
3000
2900
2800
2700
2600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

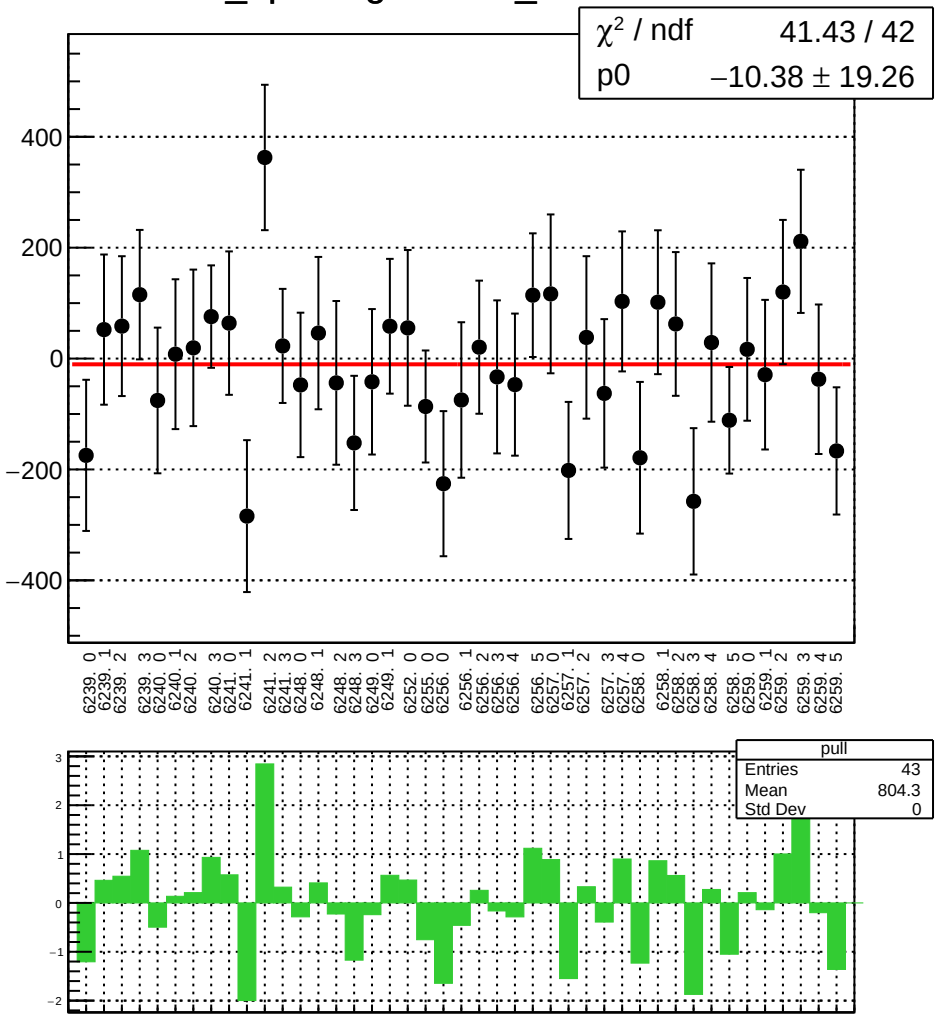

diff_bpmtargetsumX_mean vs run
χ² / ndf 40.77 / 42
p0 −30.06 ± 35.37
600
400
200
0
−200
−400
−600
−800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04293
Std Dev 0.9728
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

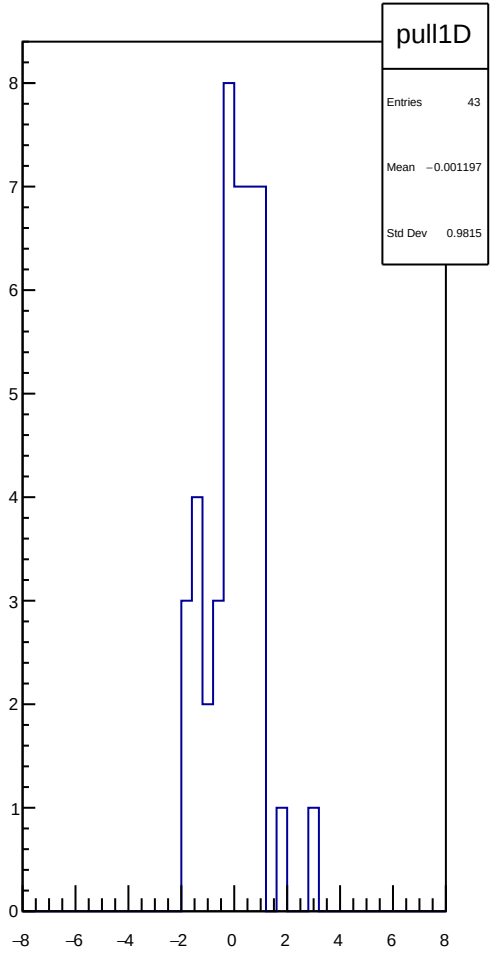

diff_bpmtargetsumX_rms vs run
χ² / ndf 4571 / 42
p0 2.326e+04 ± 25.01
30000
28000
26000
24000
22000
20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

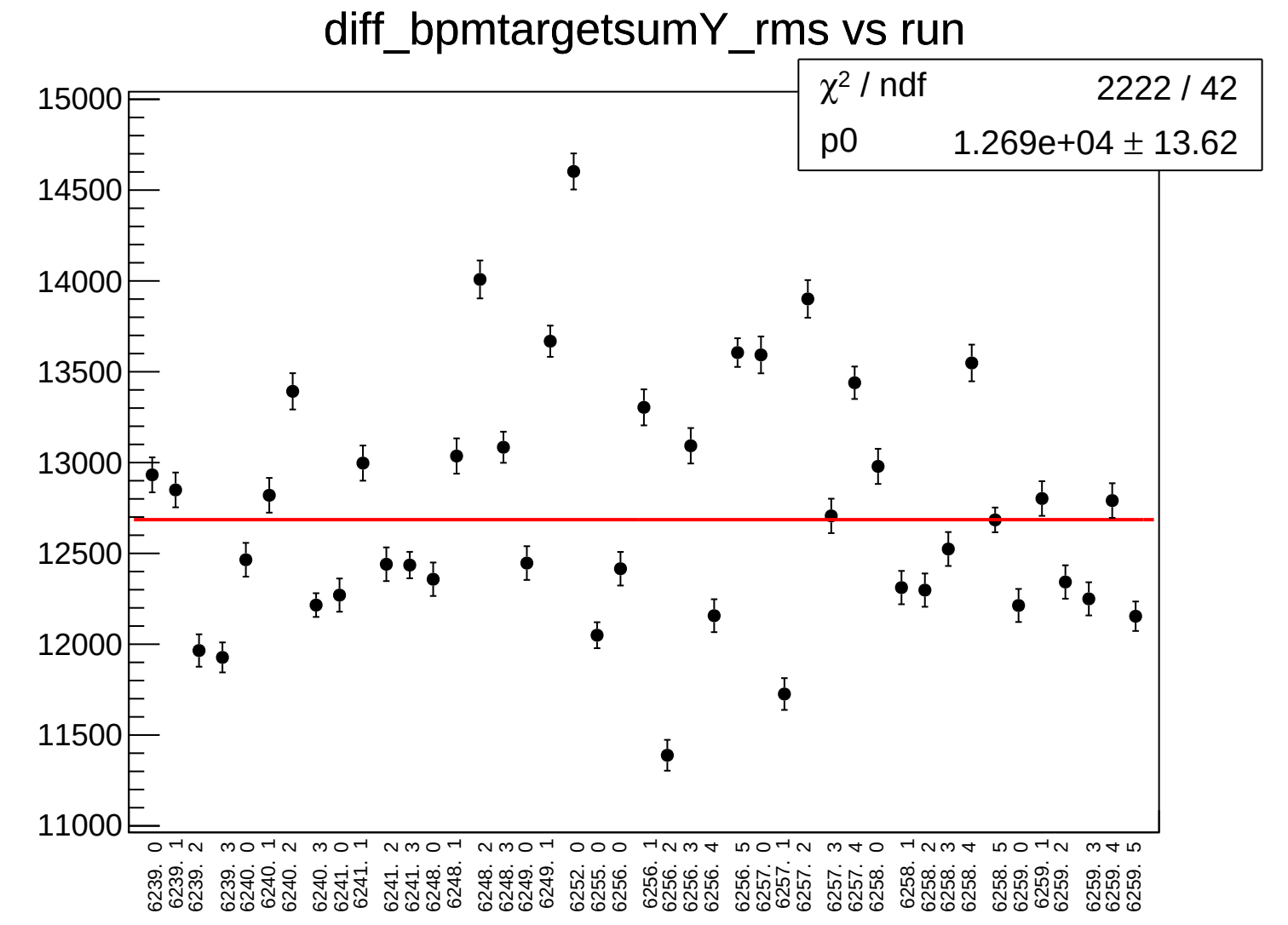

diff_bpmtargetdiffX_mean vs run
χ² / ndf 46.51 / 42
p0 1.618 ± 5.016
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

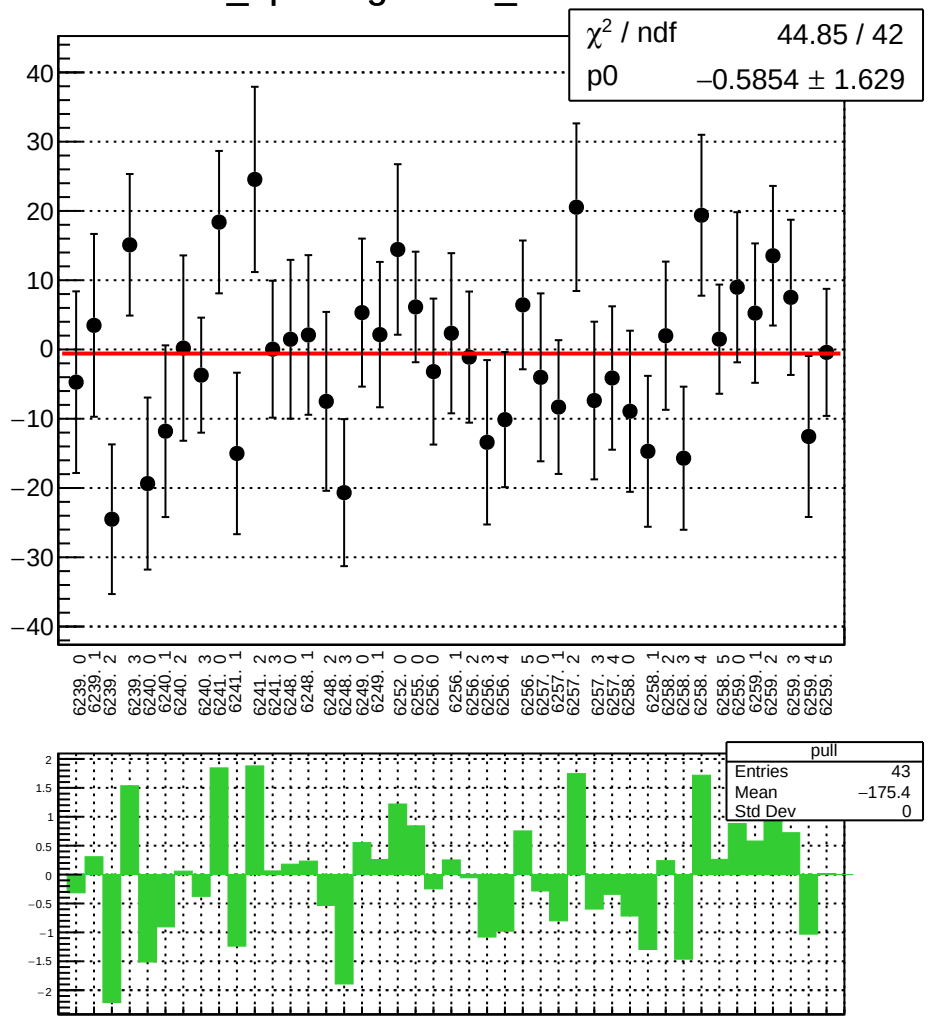

pull1D
Entries 43
Mean −0.06334
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

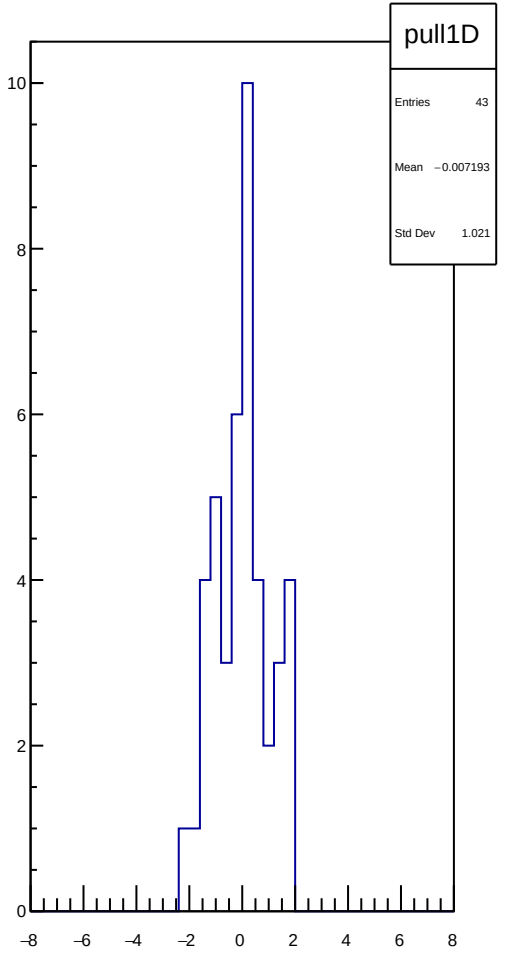

diff_bpmtargetdiffX_rms vs run
χ² / ndf 4099 / 42
p0 3300 ± 3.547
4000
3800
3600
3400
3200
3000
2800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

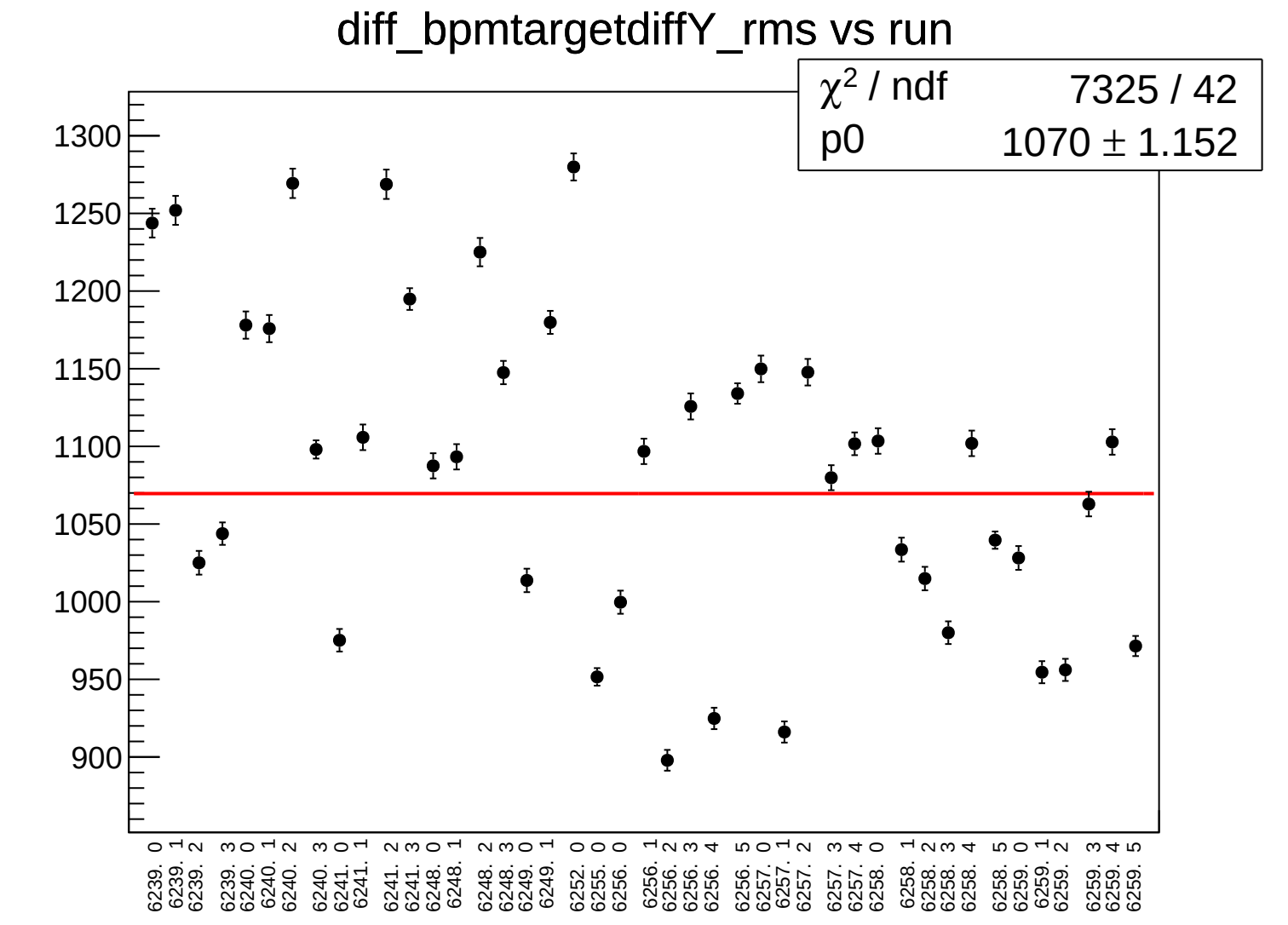

diff_bpmtargetsumY_mean vs run
χ² / ndf 41.43 / 42
p0 −10.38 ± 19.26
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 804.3
Std Dev 0
3
2
1
0
−1
−2

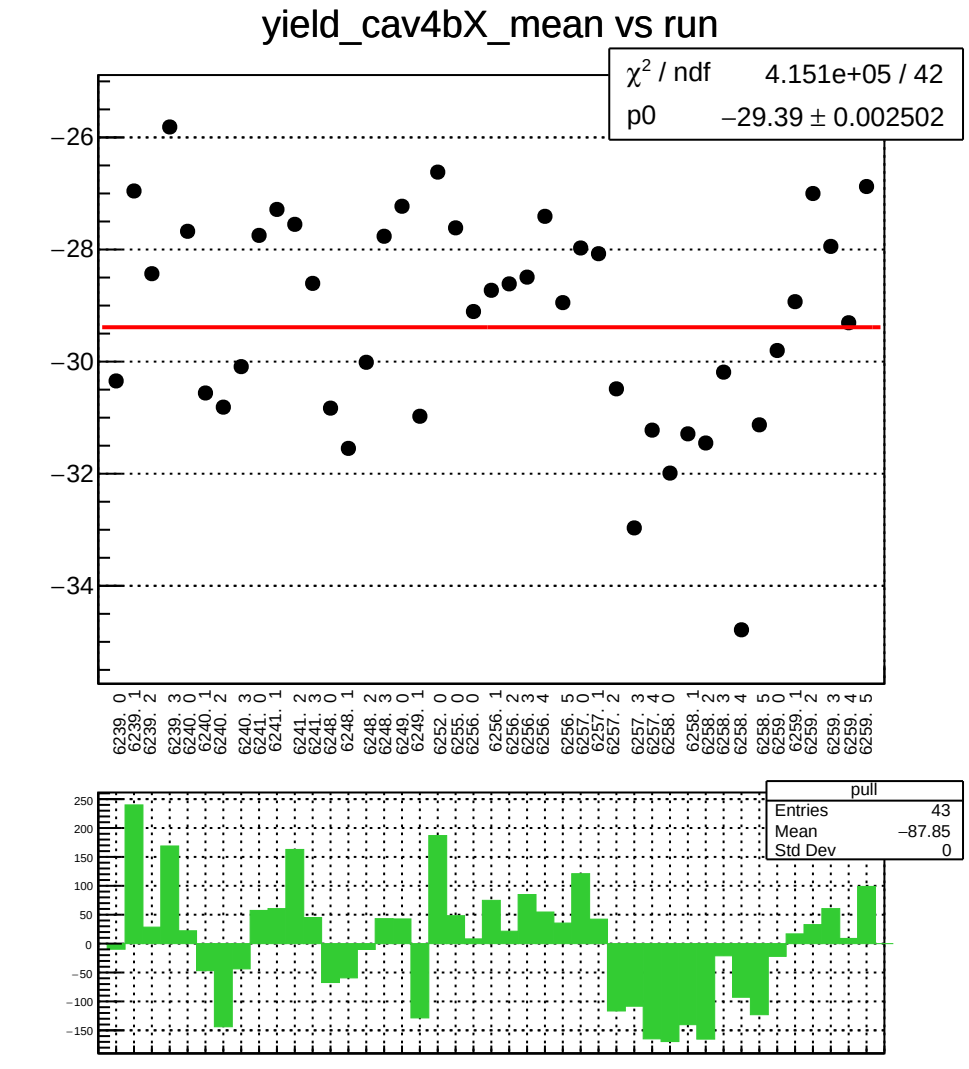

pull1D
Entries 43
Mean −0.001197
Std Dev 0.9815
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

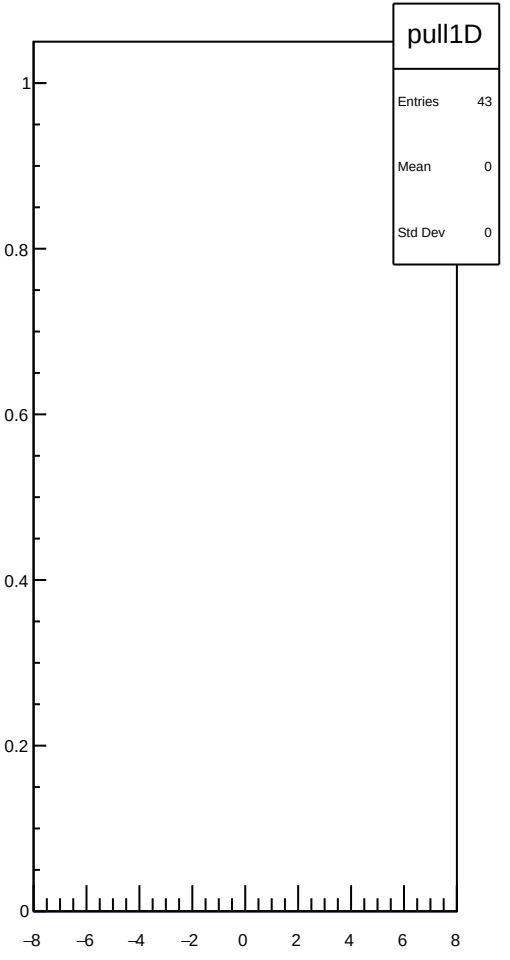

diff_bpmtargetsumY_rms vs run
χ² / ndf 2222 / 42
p0 1.269e+04 ± 13.62
15000
14500
14000
13500
13000
12500
12000
11500
11000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

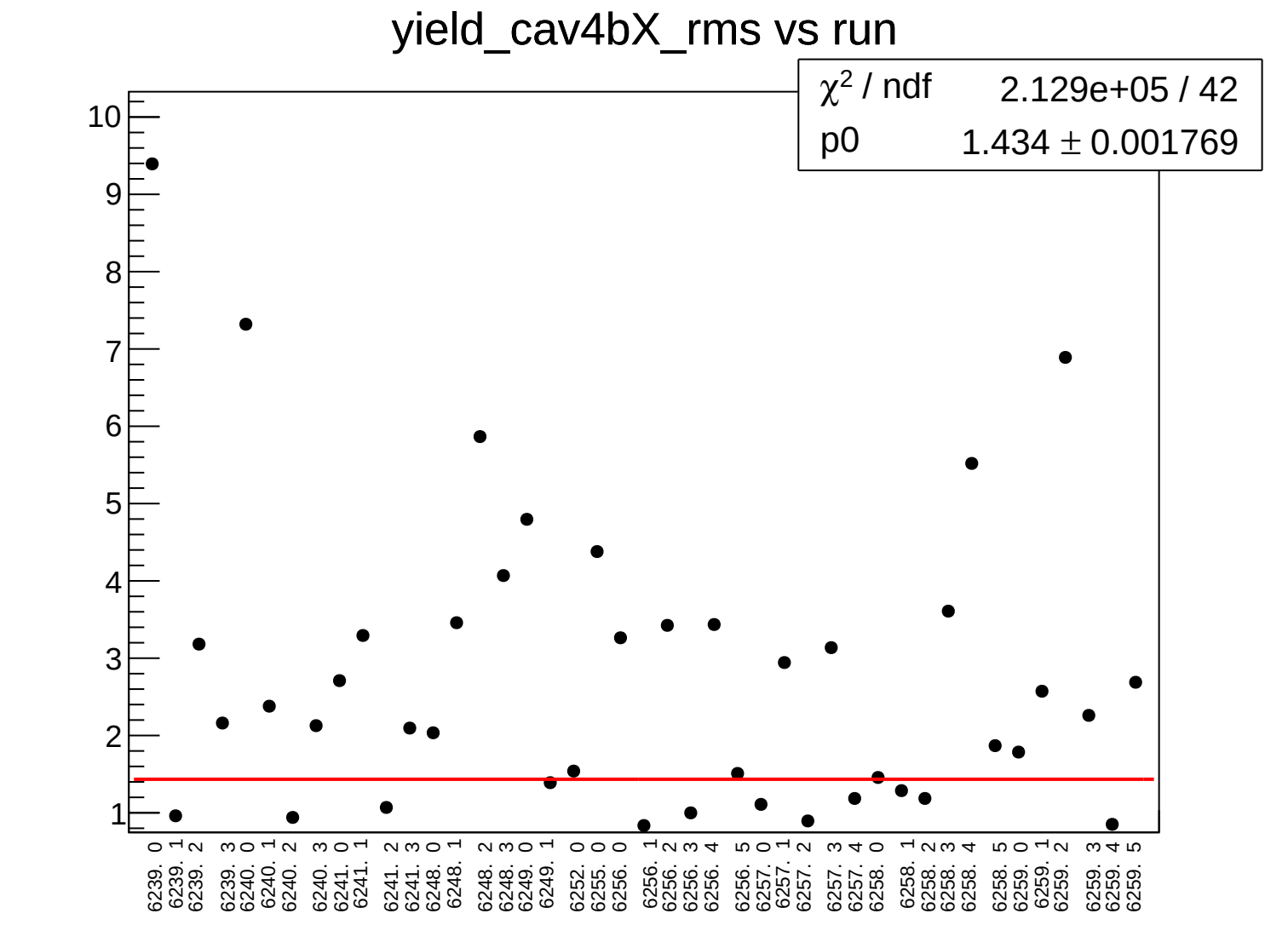

diff_bpmtargetdiffY_mean vs run
χ² / ndf 44.85 / 42
p0 −0.5854 ± 1.629
pull
Entries 43
Mean −175.4
Std Dev 0

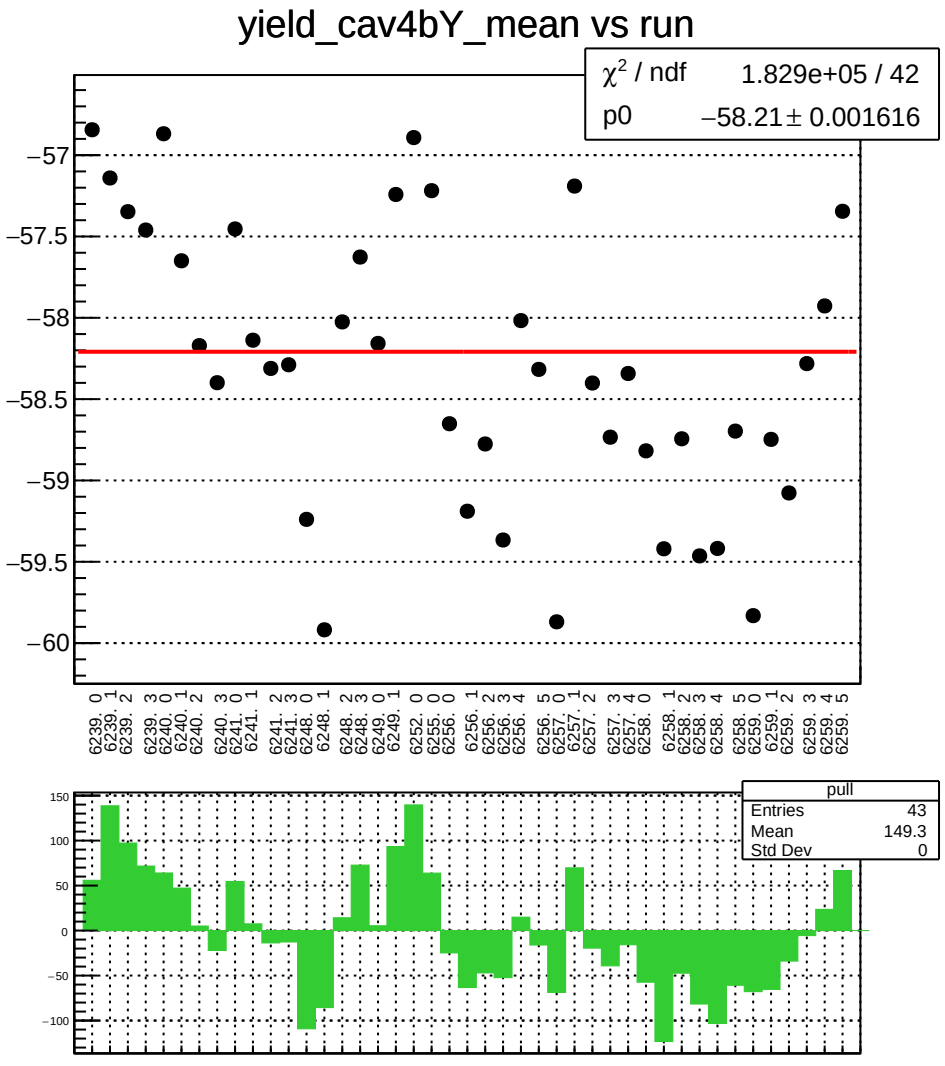

pull1D
Entries 43
Mean −0.007193
Std Dev 1.021

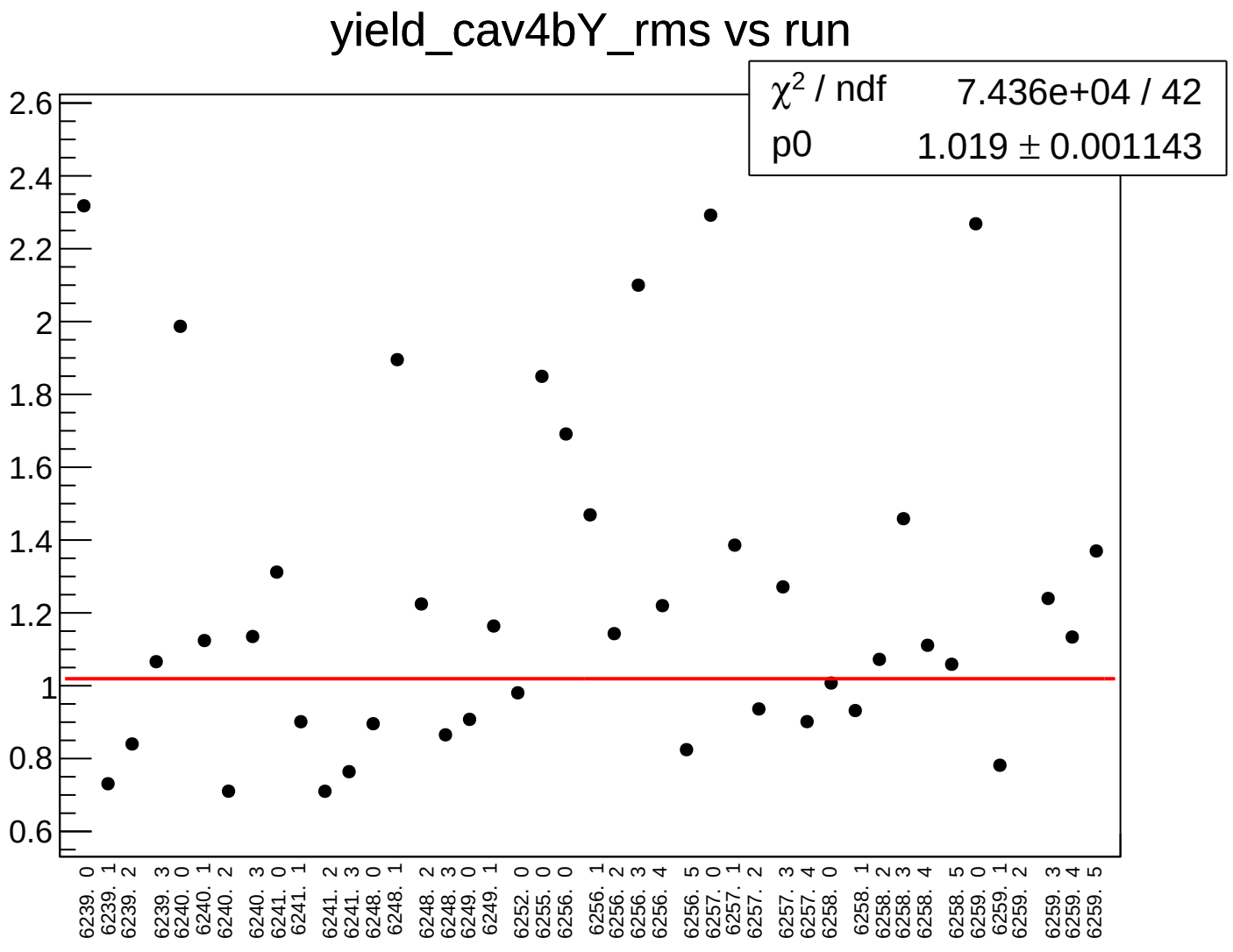

diff_bpmtargetdiffY_rms vs run
χ² / ndf 7325 / 42
p0 1070 ± 1.152
1300
1250
1200
1150
1100
1050
1000
950
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

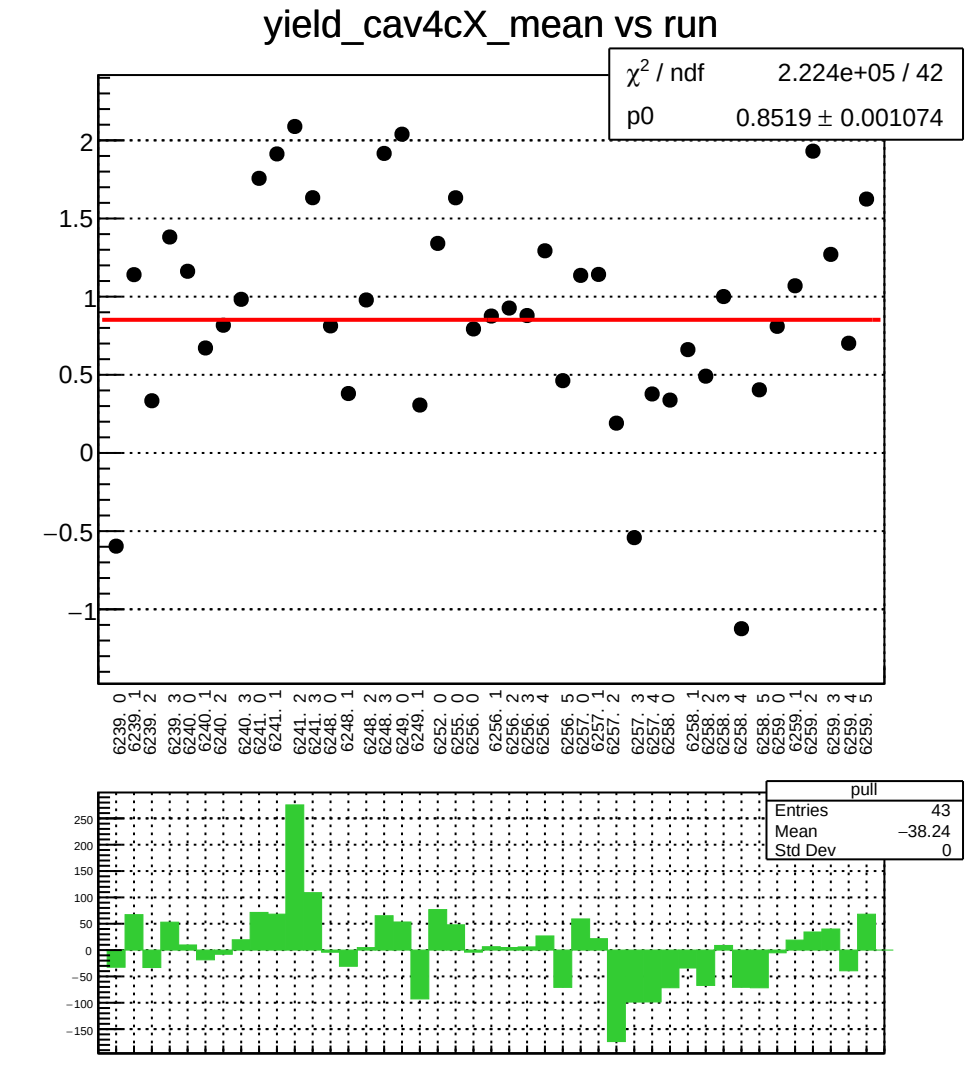

yield_cav4bX_mean vs run
χ² / ndf 4.151e+05 / 42
p0 −29.39 ± 0.002502
−26
−28
−30
−32
−34
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −87.85
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

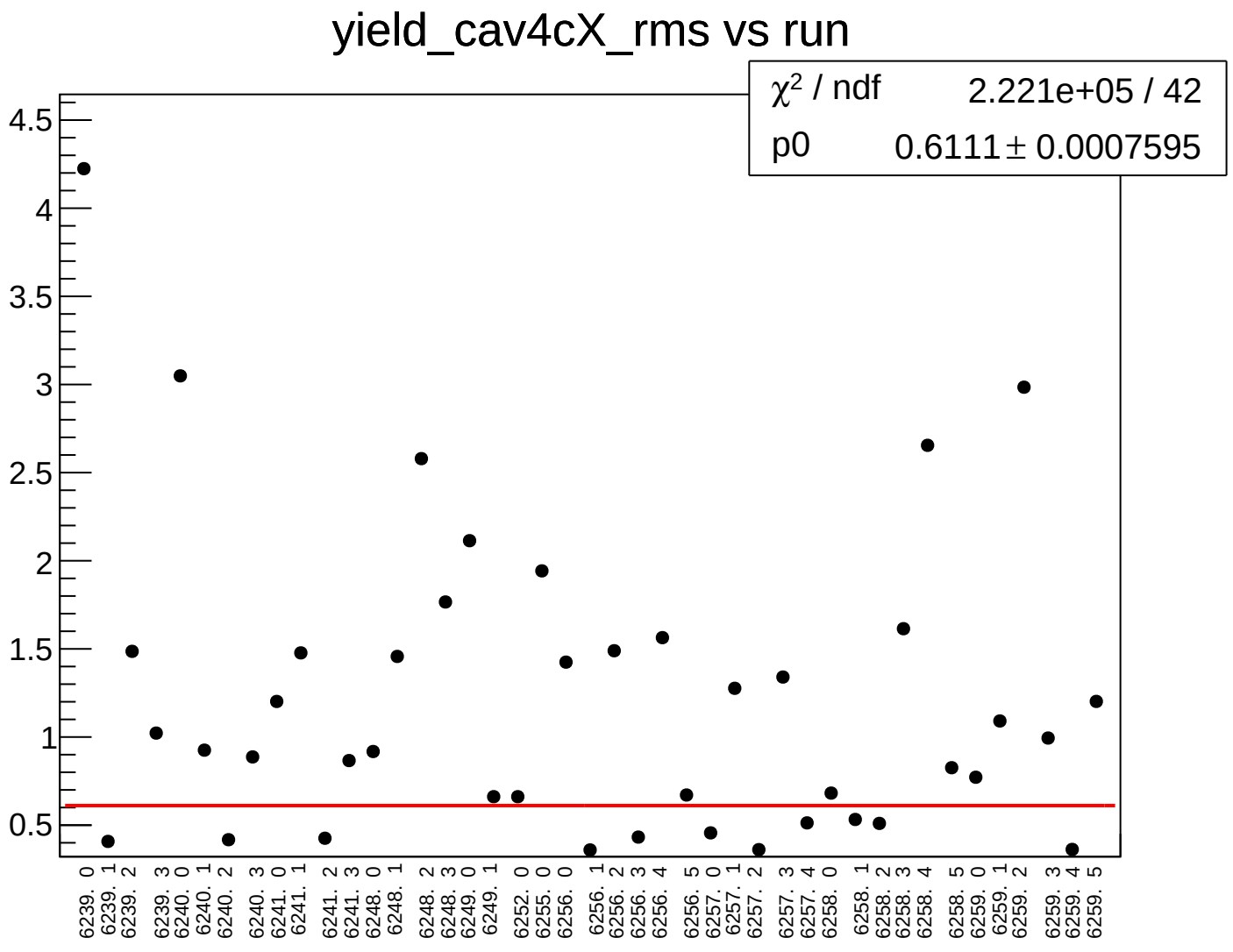

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

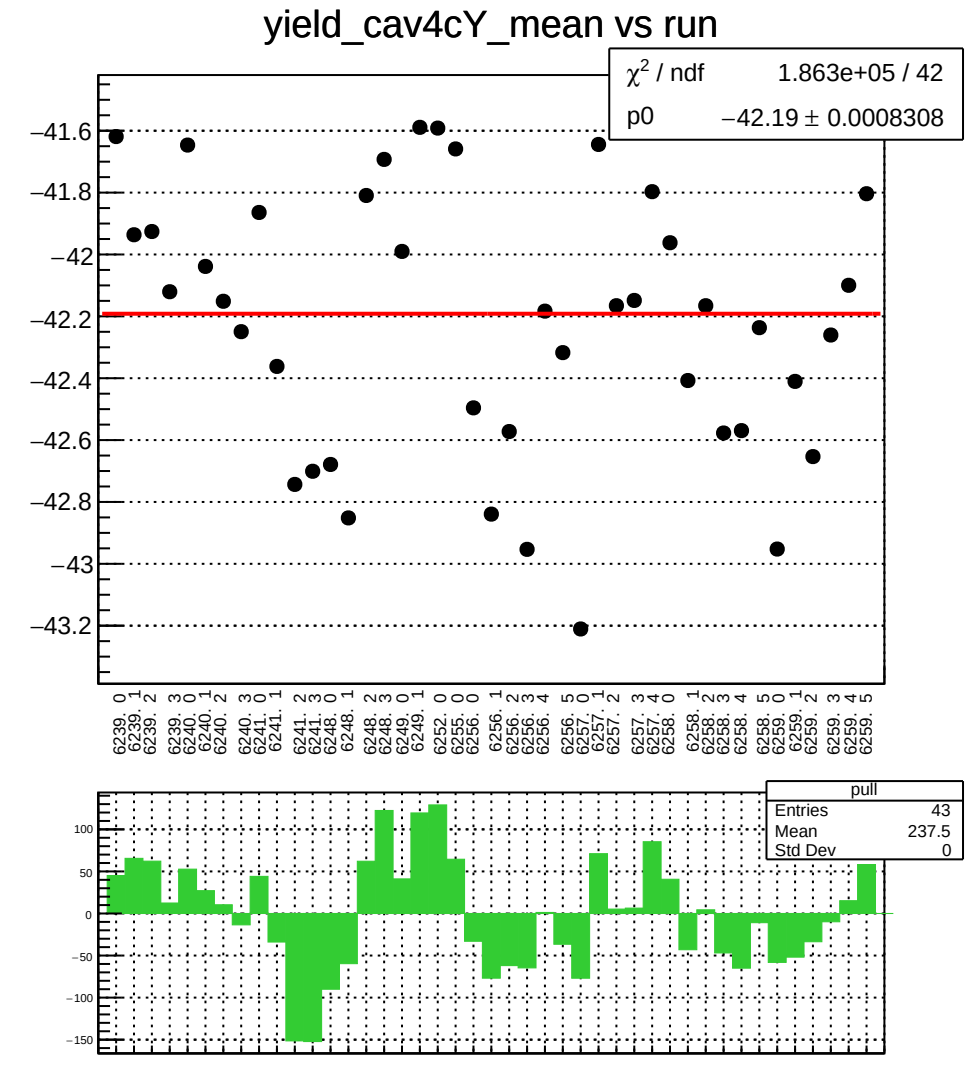

yield_cav4bX_rms vs run
$\chi^2$ / ndf 2.129e+05 / 42
p0 1.434 ± 0.001769
10
9
8
7
6
5
4
3
2
1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

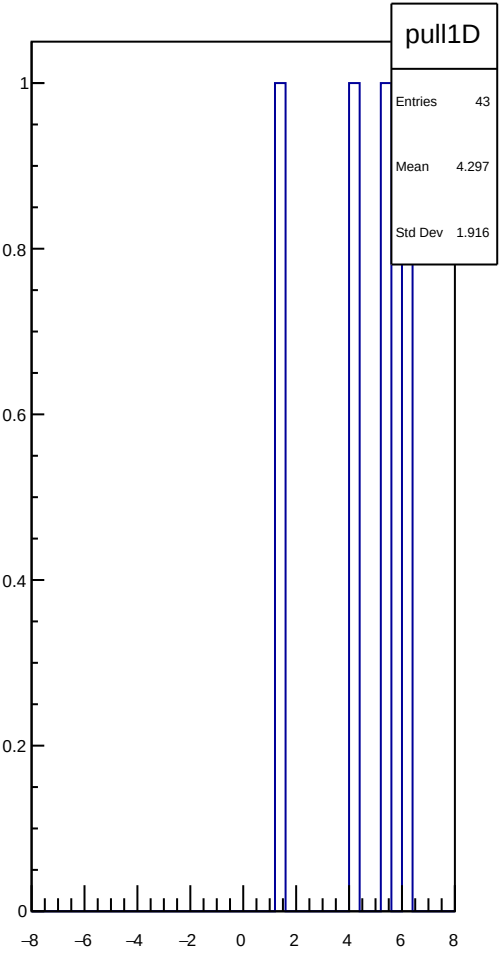

yield_cav4bY_mean vs run
χ² / ndf 1.829e+05 / 42
p0 −58.21 ± 0.001616
−57
−57.5
−58
−58.5
−59
−59.5
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 149.3
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 43
Mean 3.071
Std Dev 5.077
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

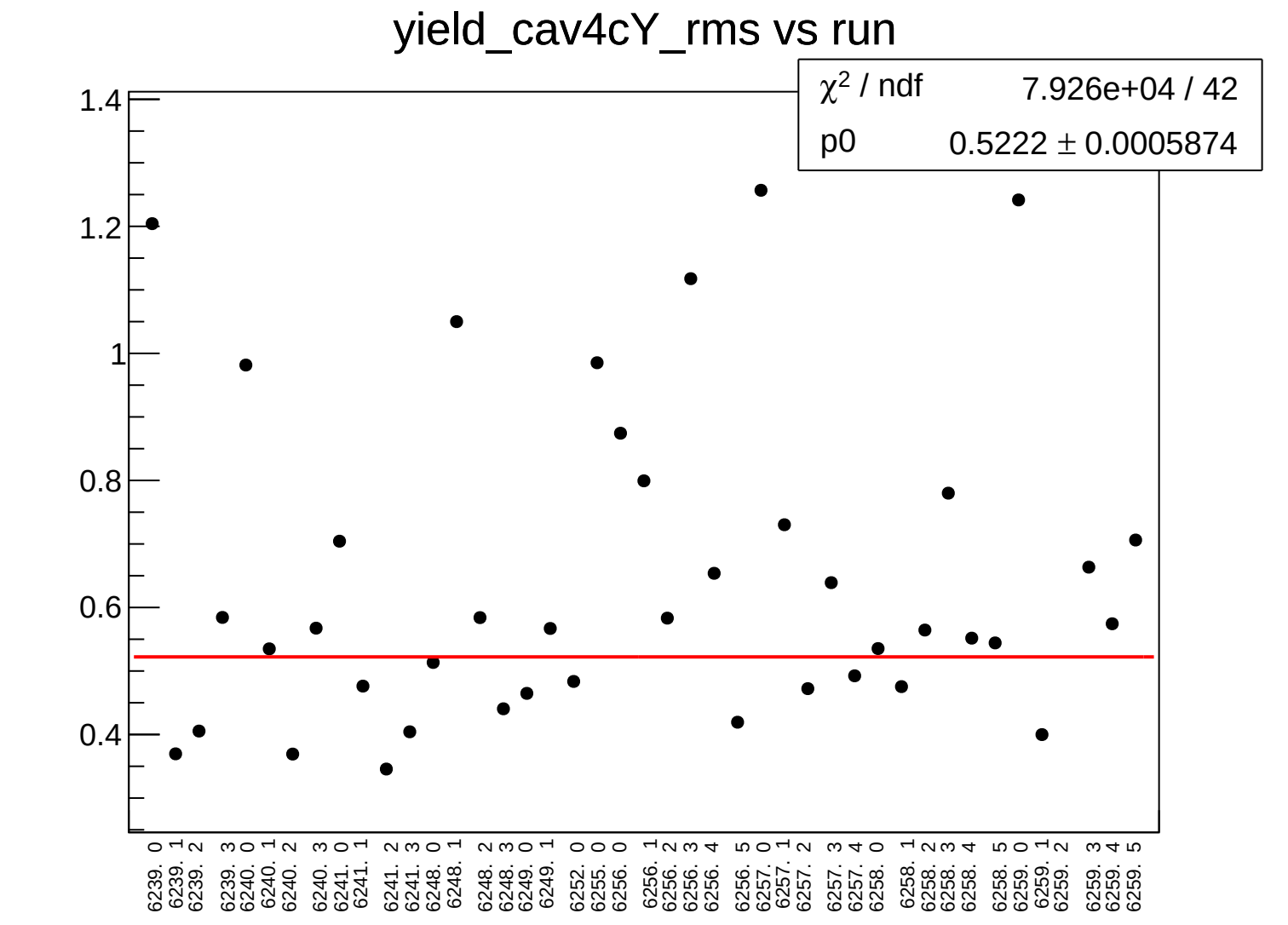

yield_cav4bY_rms vs run
χ² / ndf 7.436e+04 / 42
p0 1.019 ± 0.001143
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

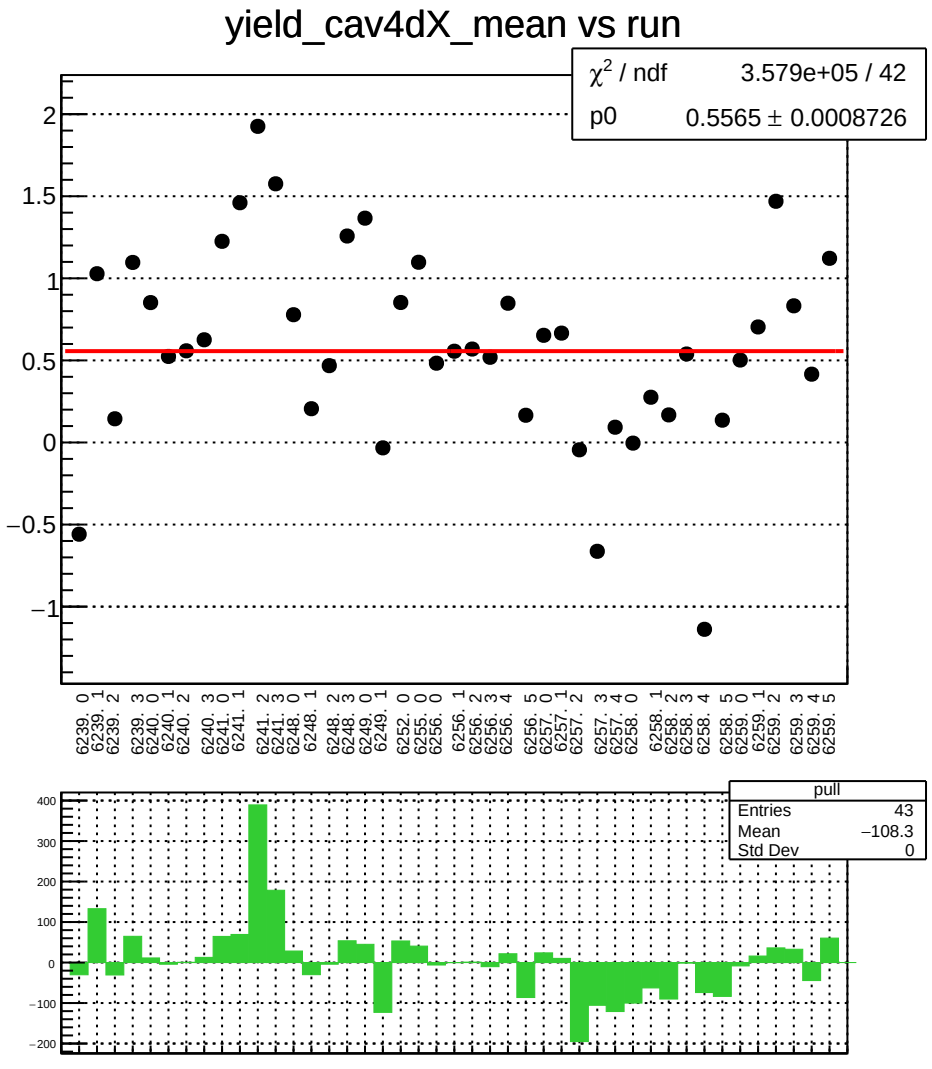

yield_cav4cX_mean vs run
χ² / ndf 2.224e+05 / 42
p0 0.8519 ± 0.001074
pull
Entries 43
Mean −38.24
Std Dev 0
pull1D
Entries 43
Mean 0.1051
Std Dev 5.491

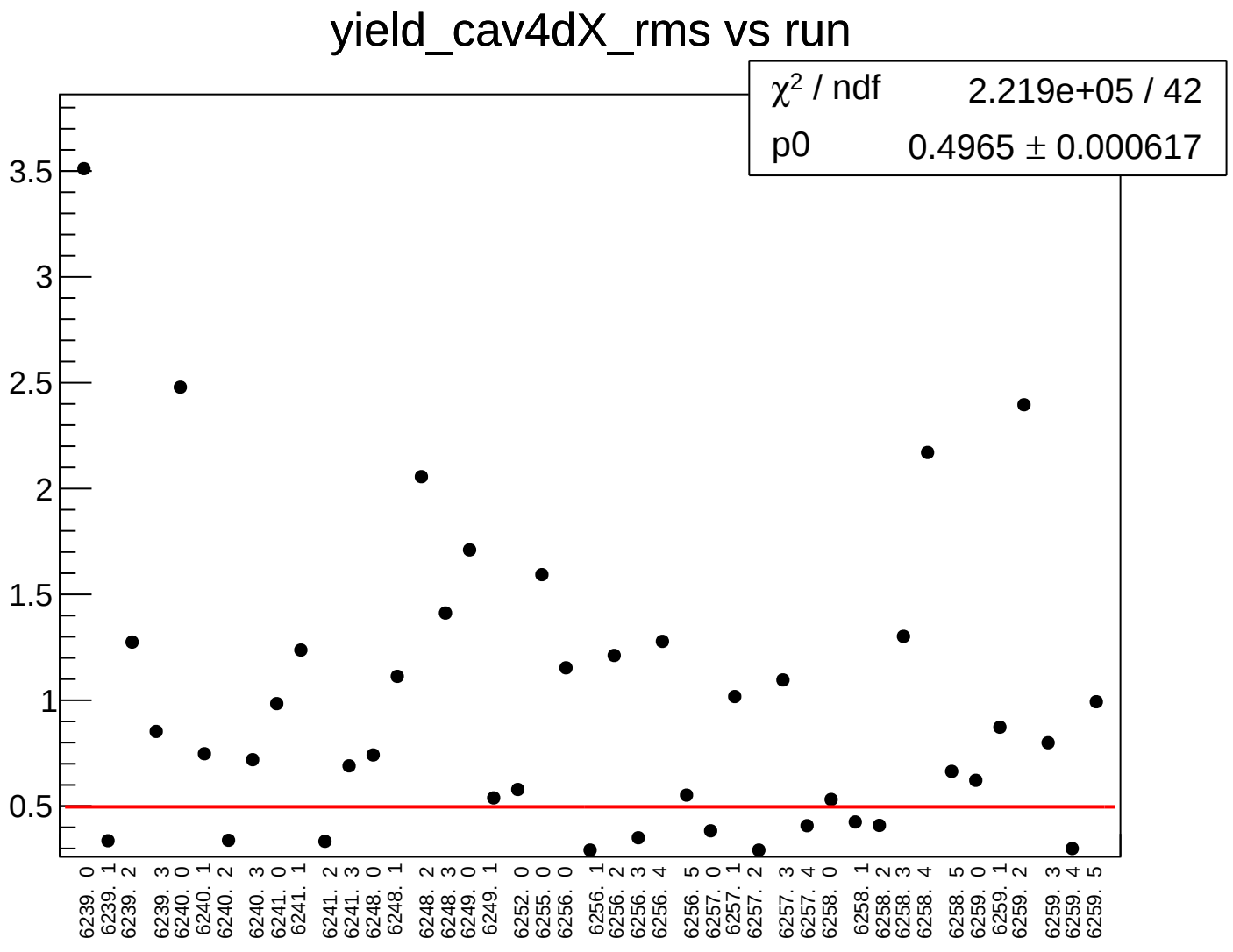

yield_cav4cX_rms vs run
χ² / ndf 2.221e+05 / 42
p0 0.6111 ± 0.0007595
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

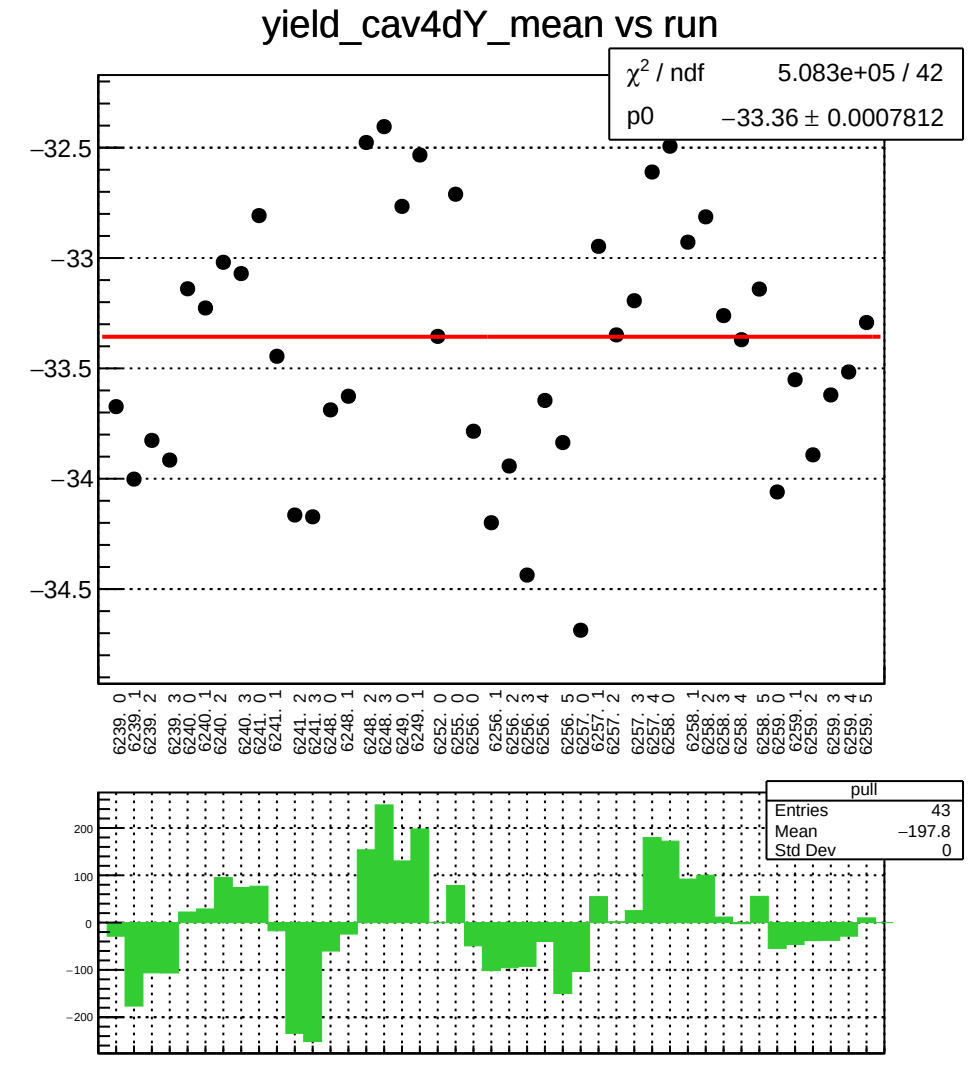

yield_cav4cY_mean vs run
χ² / ndf 1.863e+05 / 42
p0 −42.19 ± 0.0008308
−41.6
−41.8
−42
−42.2
−42.4
−42.6
−42.8
−43
−43.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 237.5
Std Dev 0
100
50
0
−50
−100
−150

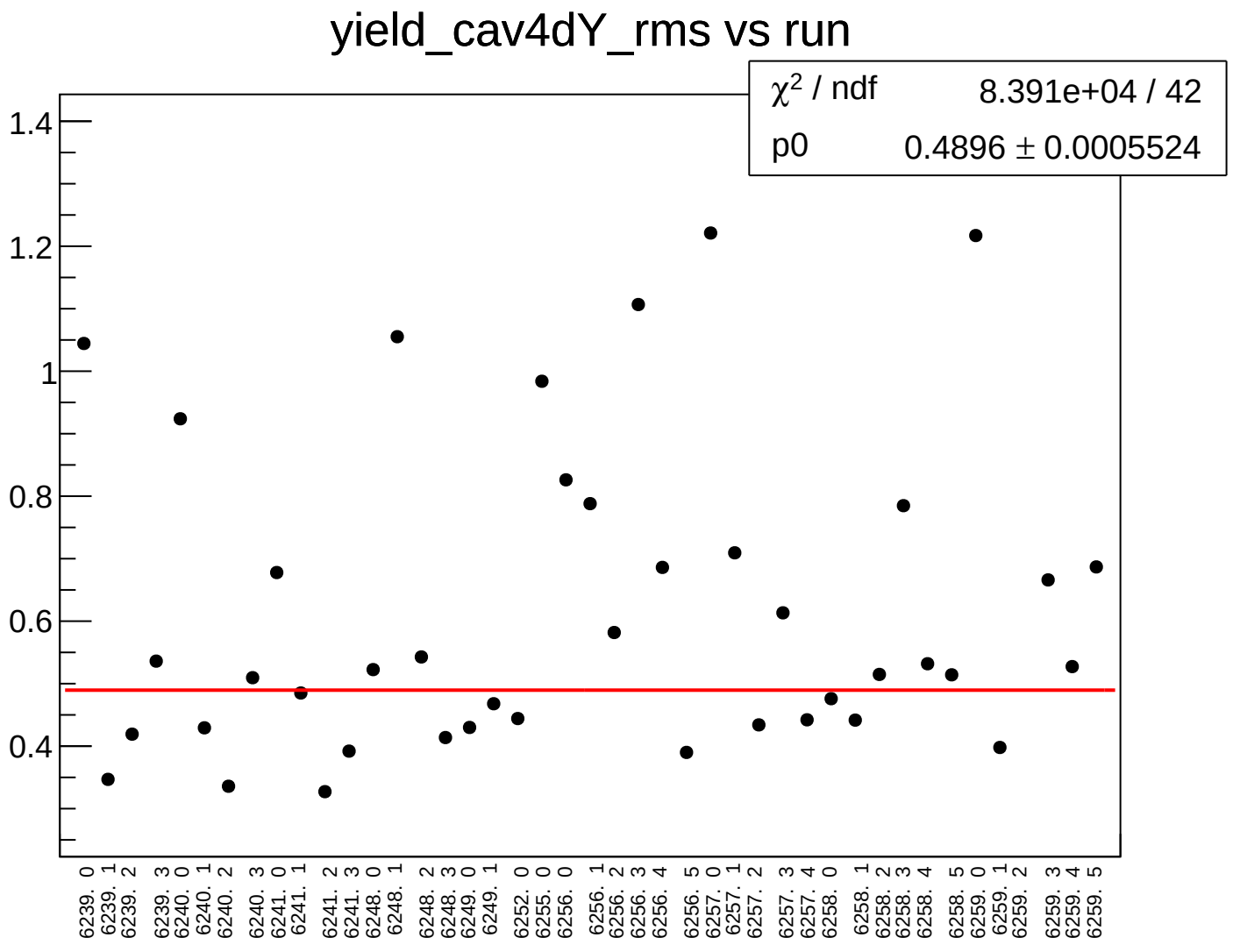

pull1D
Entries 43
Mean 4.297
Std Dev 1.916
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

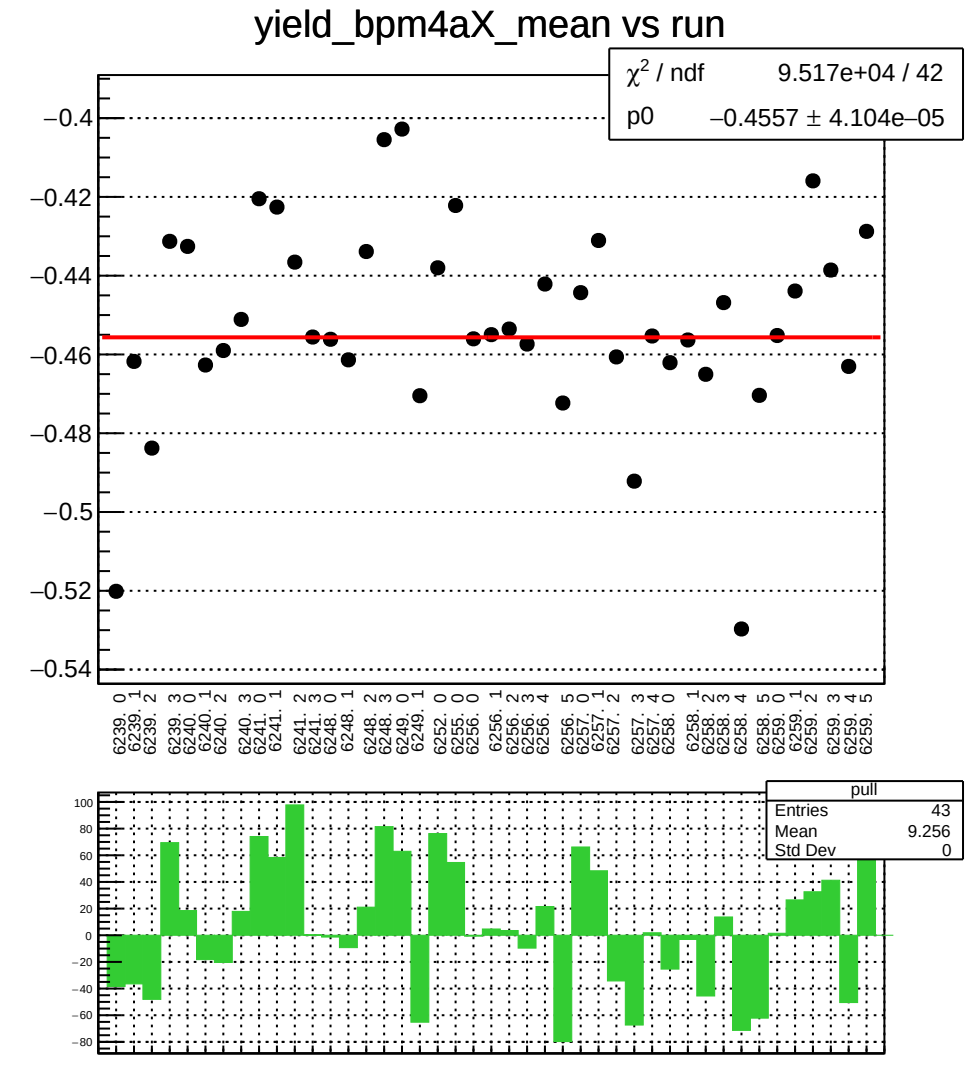

yield_cav4cY_rms vs run
χ² / ndf 7.926e+04 / 42
p0 0.5222 ± 0.0005874
1.4
1.2
1
0.8
0.6
0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

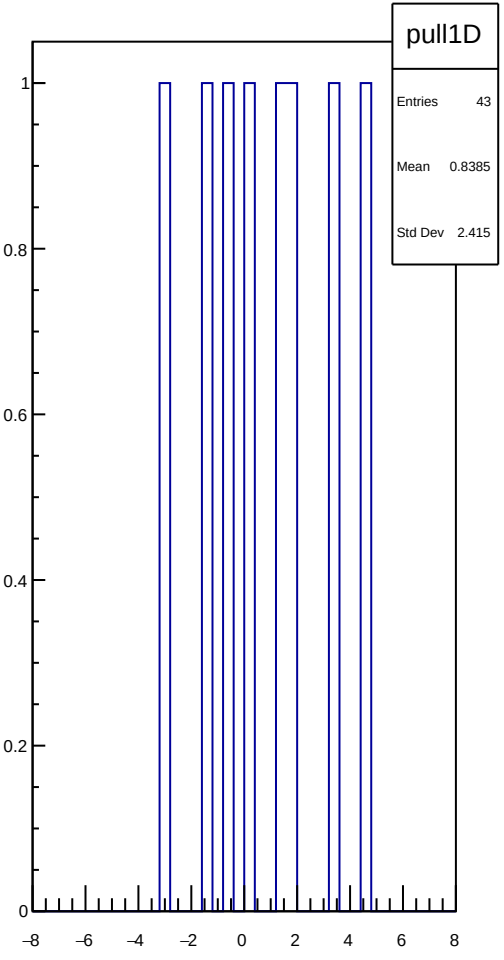

yield_cav4dX_mean vs run
χ² / ndf 3.579e+05 / 42
p0 0.5565 ± 0.0008726
pull
Entries 43
Mean −108.3
Std Dev 0
pull1D
Entries 43
Mean −2.019
Std Dev 2.521

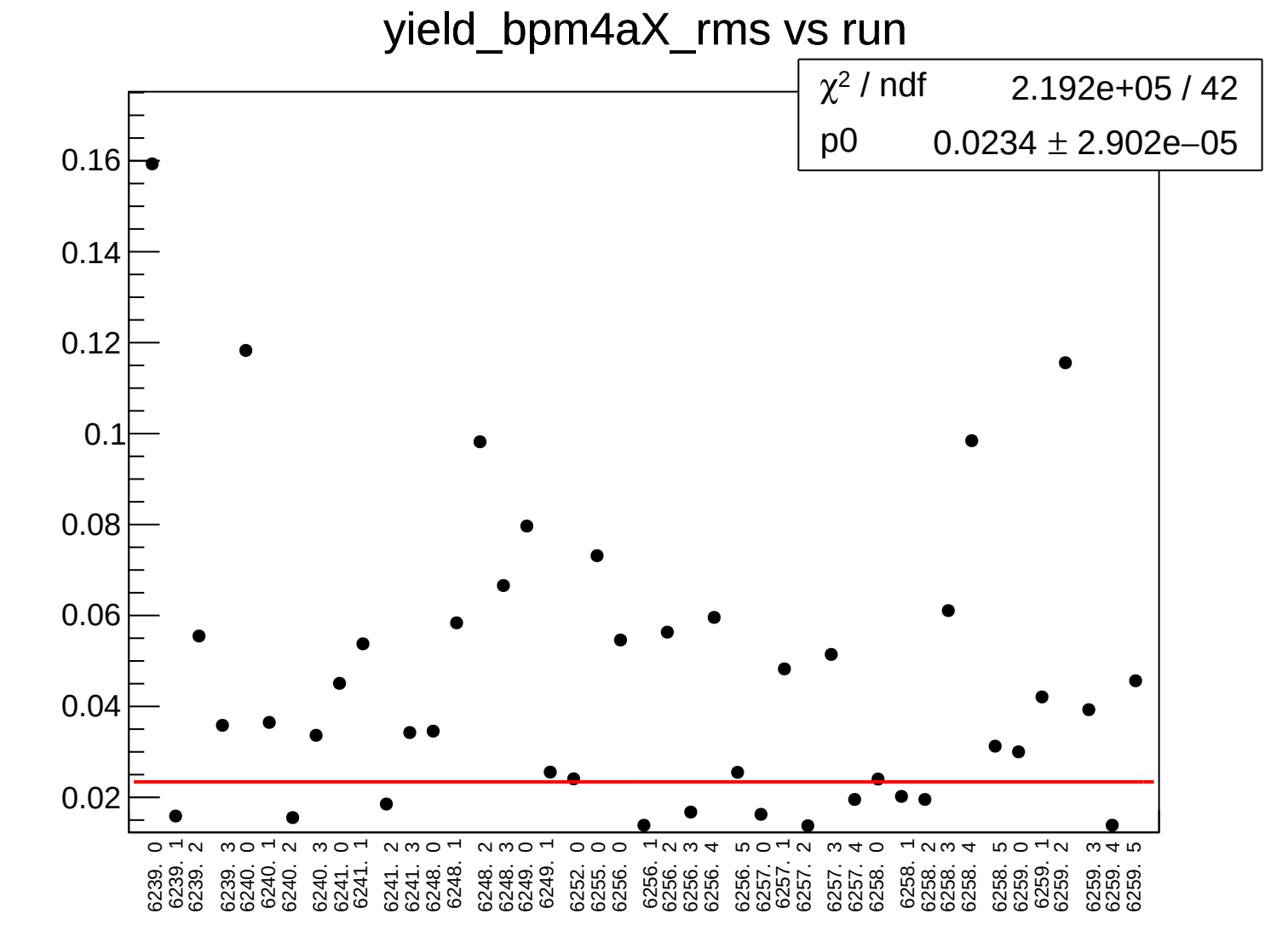

yield_cav4dX_rms vs run
χ² / ndf 2.219e+05 / 42
p0 0.4965 ± 0.000617
3.5
3
2.5
2
1.5
1
0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

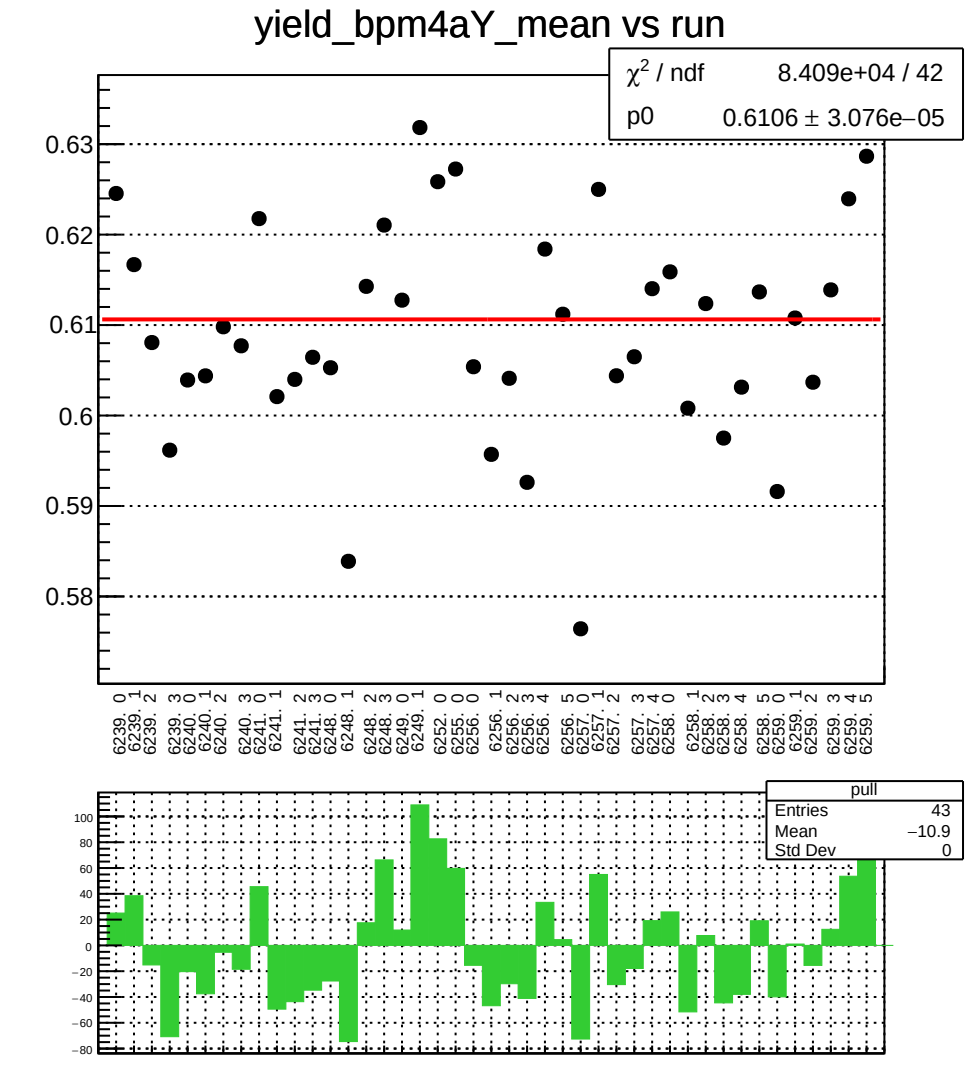

yield_cav4dY_mean vs run
χ² / ndf 5.083e+05 / 42
p0 −33.36 ± 0.0007812
−32.5
−33
−33.5
−34
−34.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −197.8
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 43
Mean −0.06173
Std Dev 1.735
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

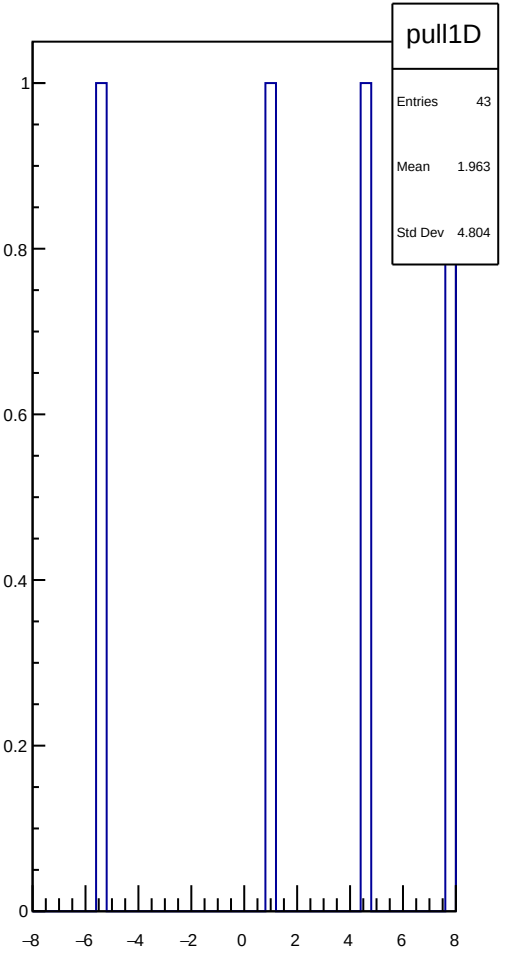

yield_cav4dY_rms vs run
χ² / ndf 8.391e+04 / 42
p0 0.4896 ± 0.0005524
1.4
1.2
1
0.8
0.6
0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

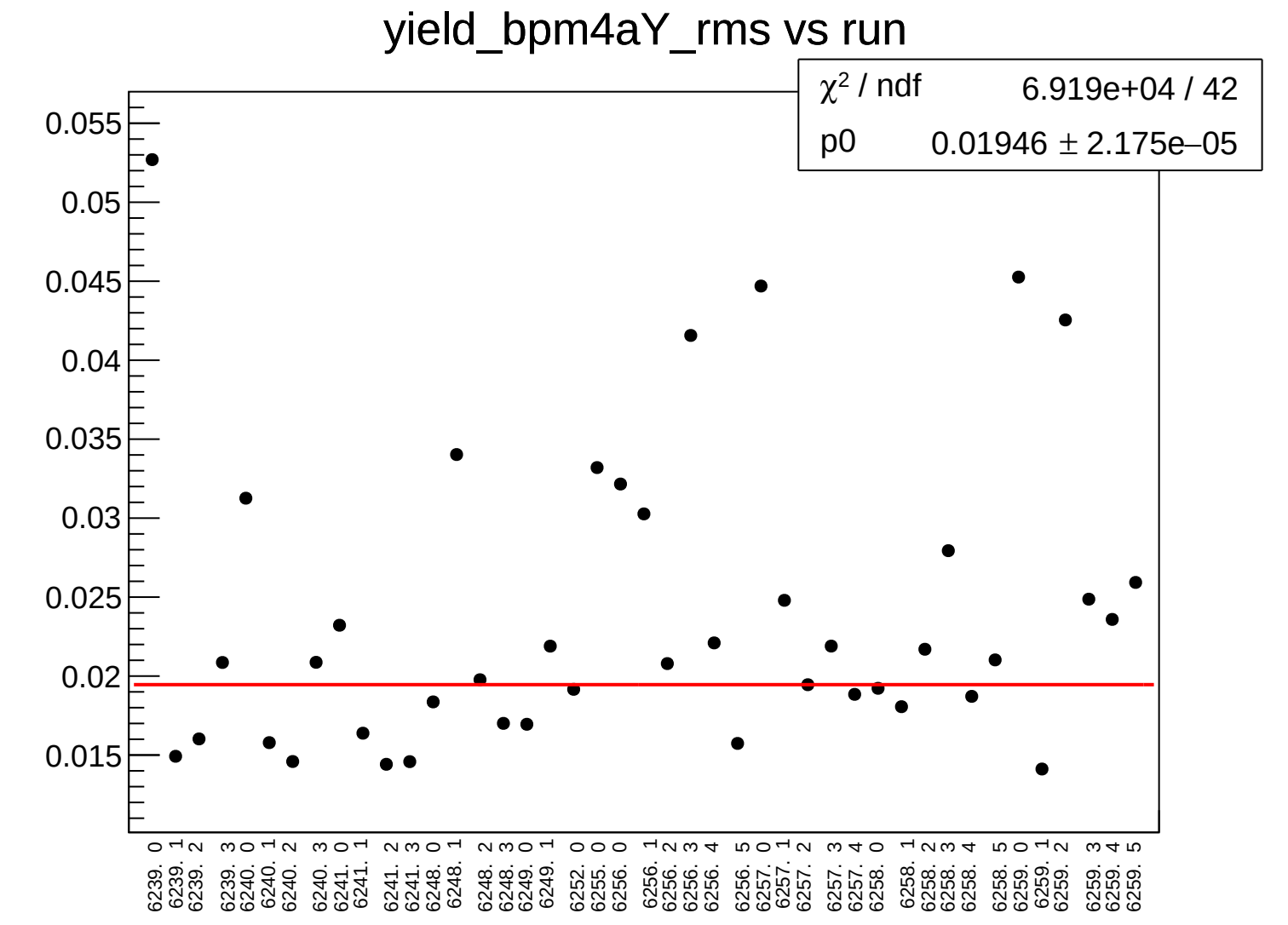

yield_bpm4aX_mean vs run
χ² / ndf 9.517e+04 / 42
p0 −0.4557 ± 4.104e−05
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
−0.52
−0.54
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.256
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

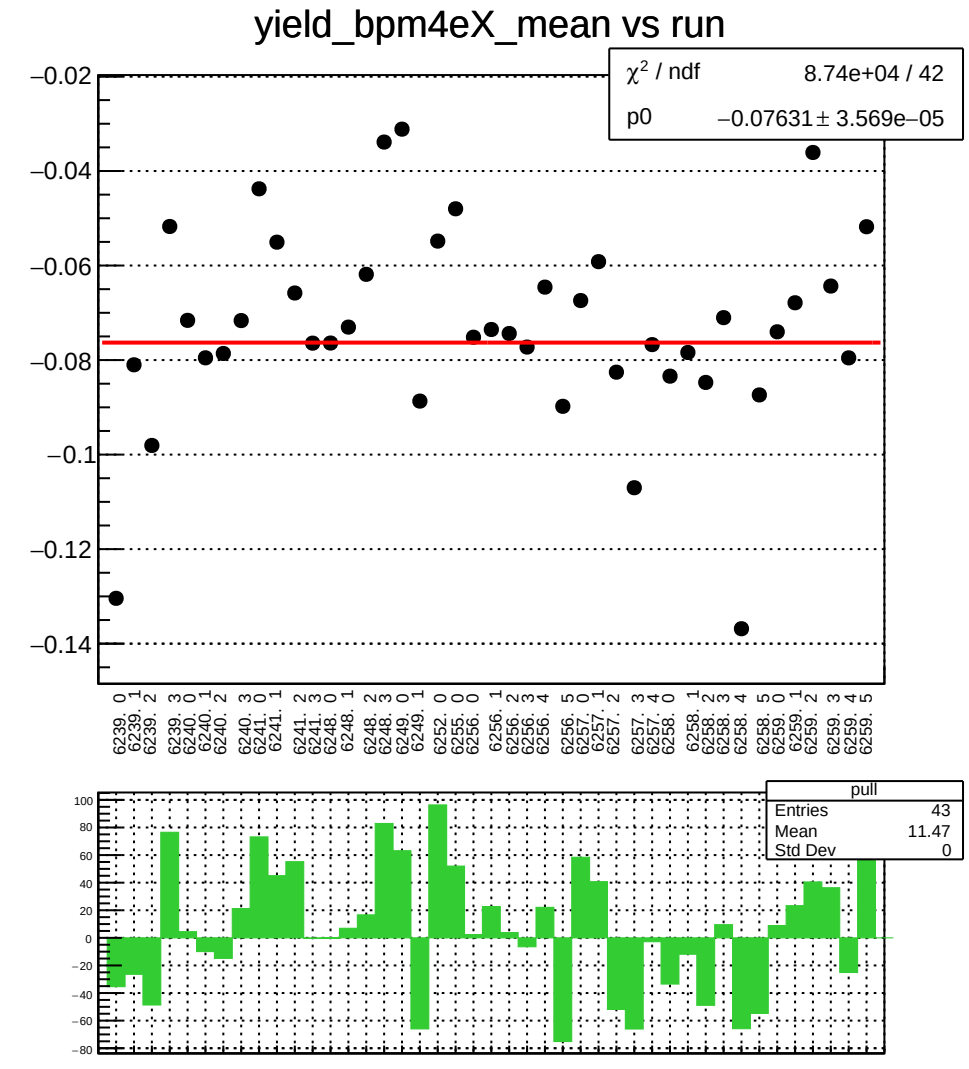

pull1D
Entries 43
Mean 0.8385
Std Dev 2.415
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

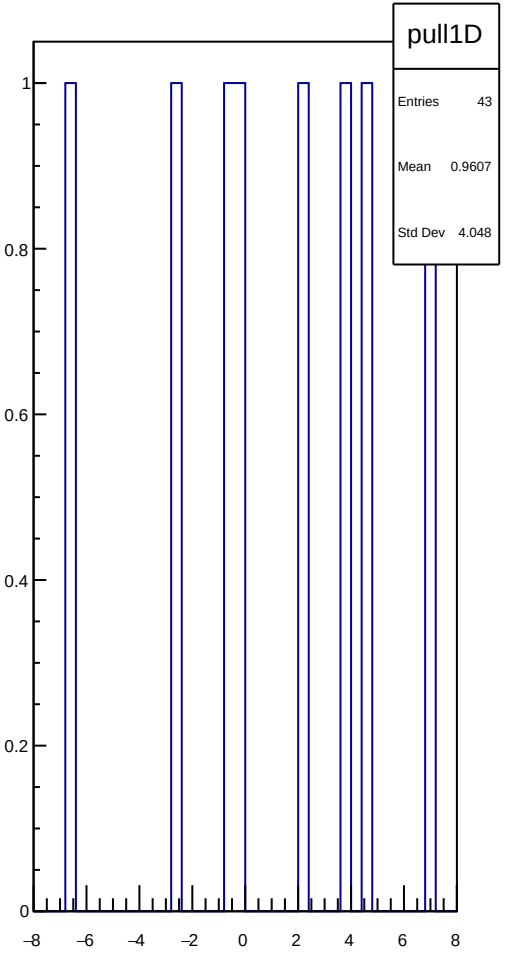

yield_bpm4aX_rms vs run
χ² / ndf 2.192e+05 / 42
p0 0.0234 ± 2.902e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

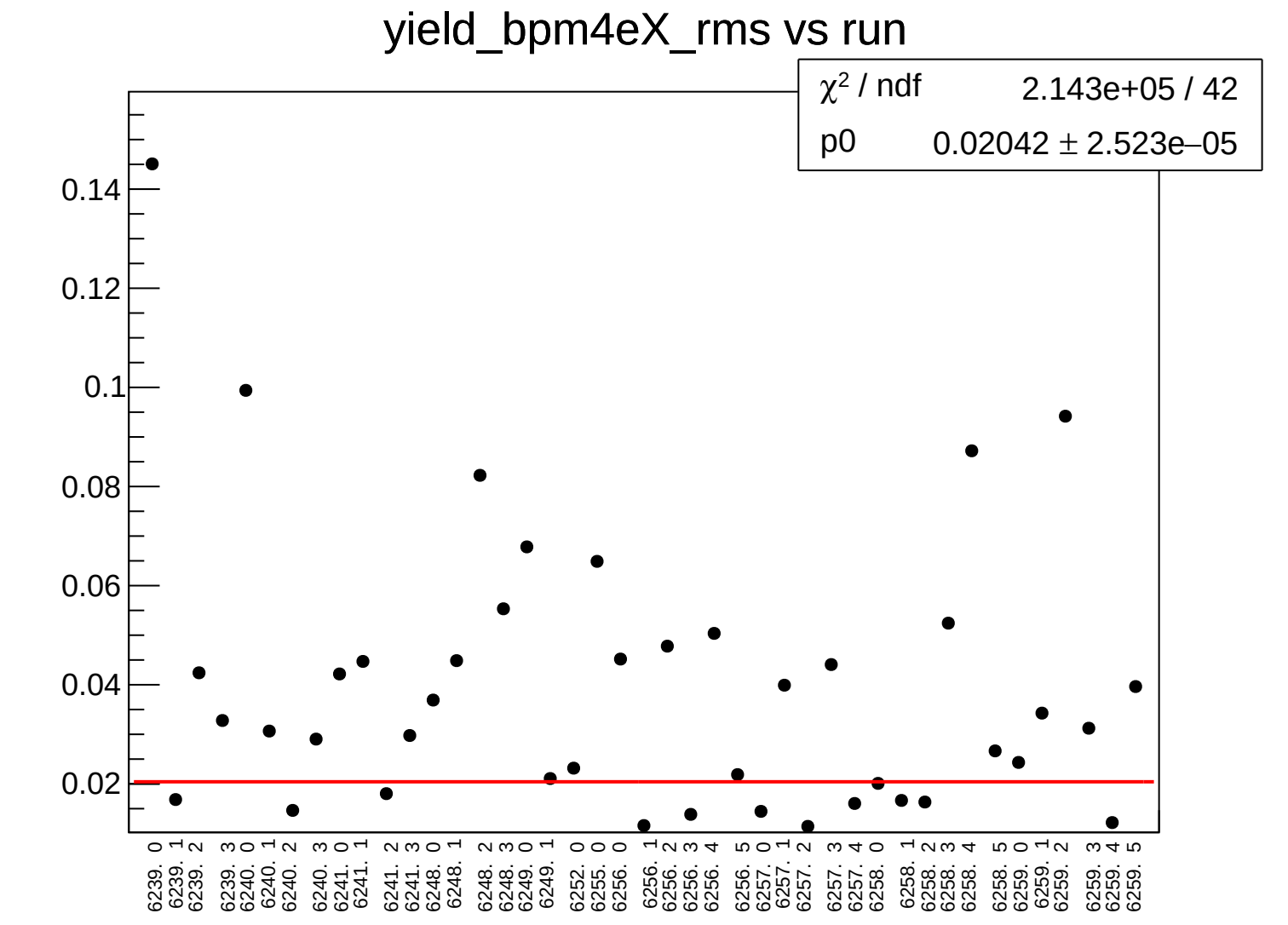

yield_bpm4aY_mean vs run
χ² / ndf 8.409e+04 / 42
p0 0.6106 ± 3.076e−05
0.63
0.62
0.61
0.6
0.59
0.58
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −10.9
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

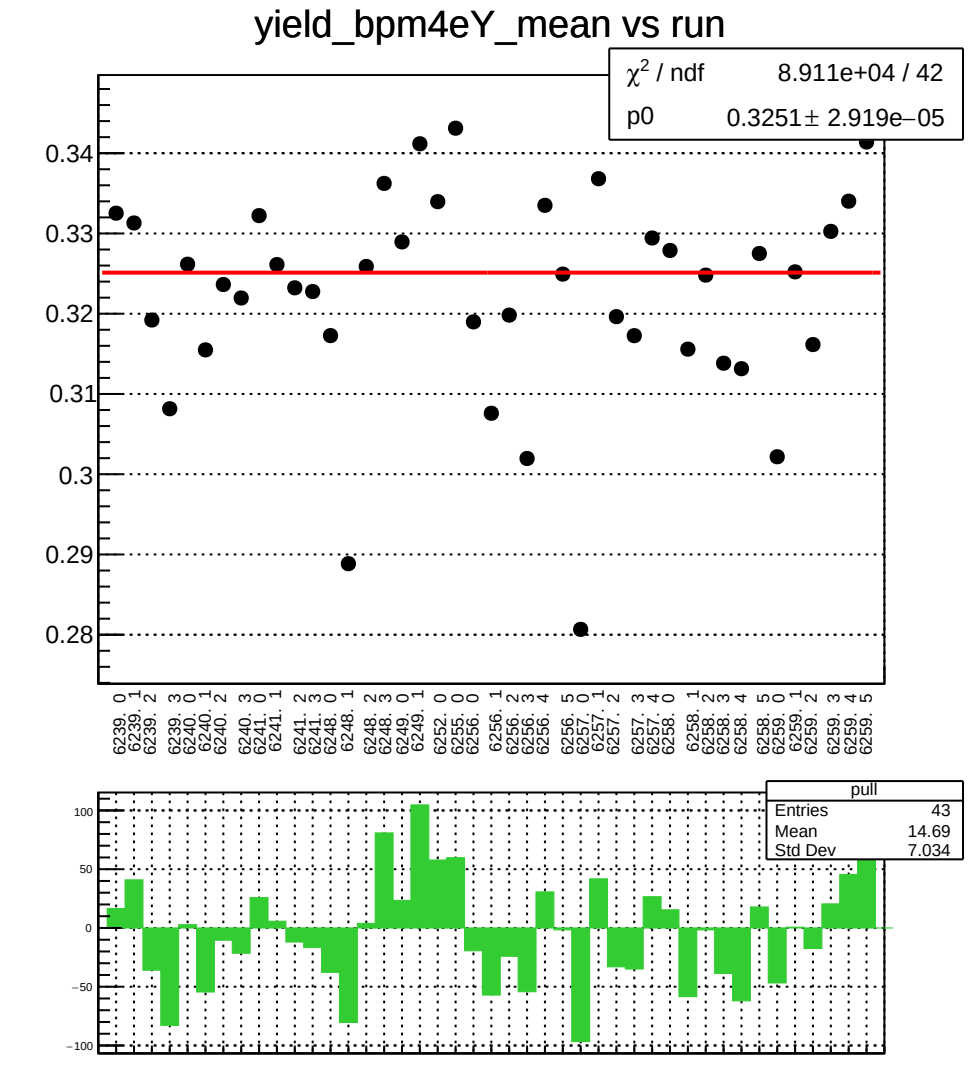

pull1D
Entries 43
Mean 1.963
Std Dev 4.804
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

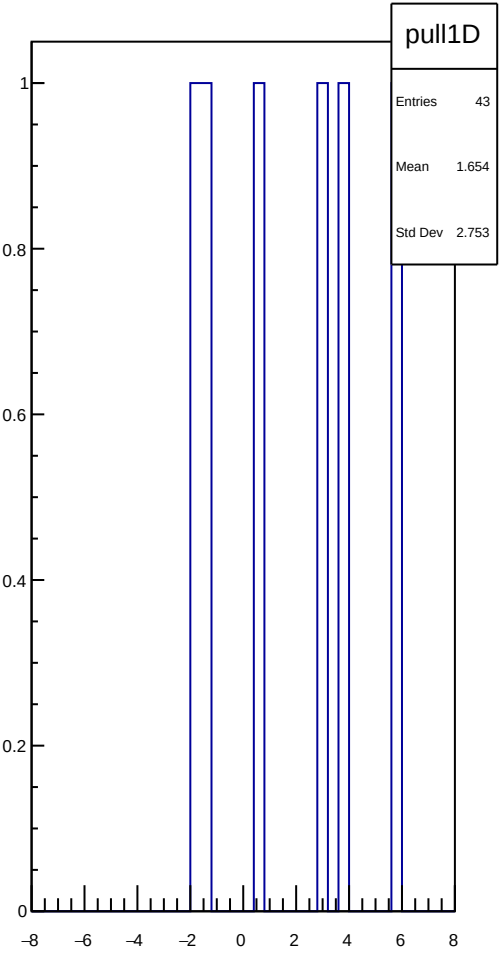

yield_bpm4aY_rms vs run
χ² / ndf 6.919e+04 / 42
p0 0.01946 ± 2.175e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

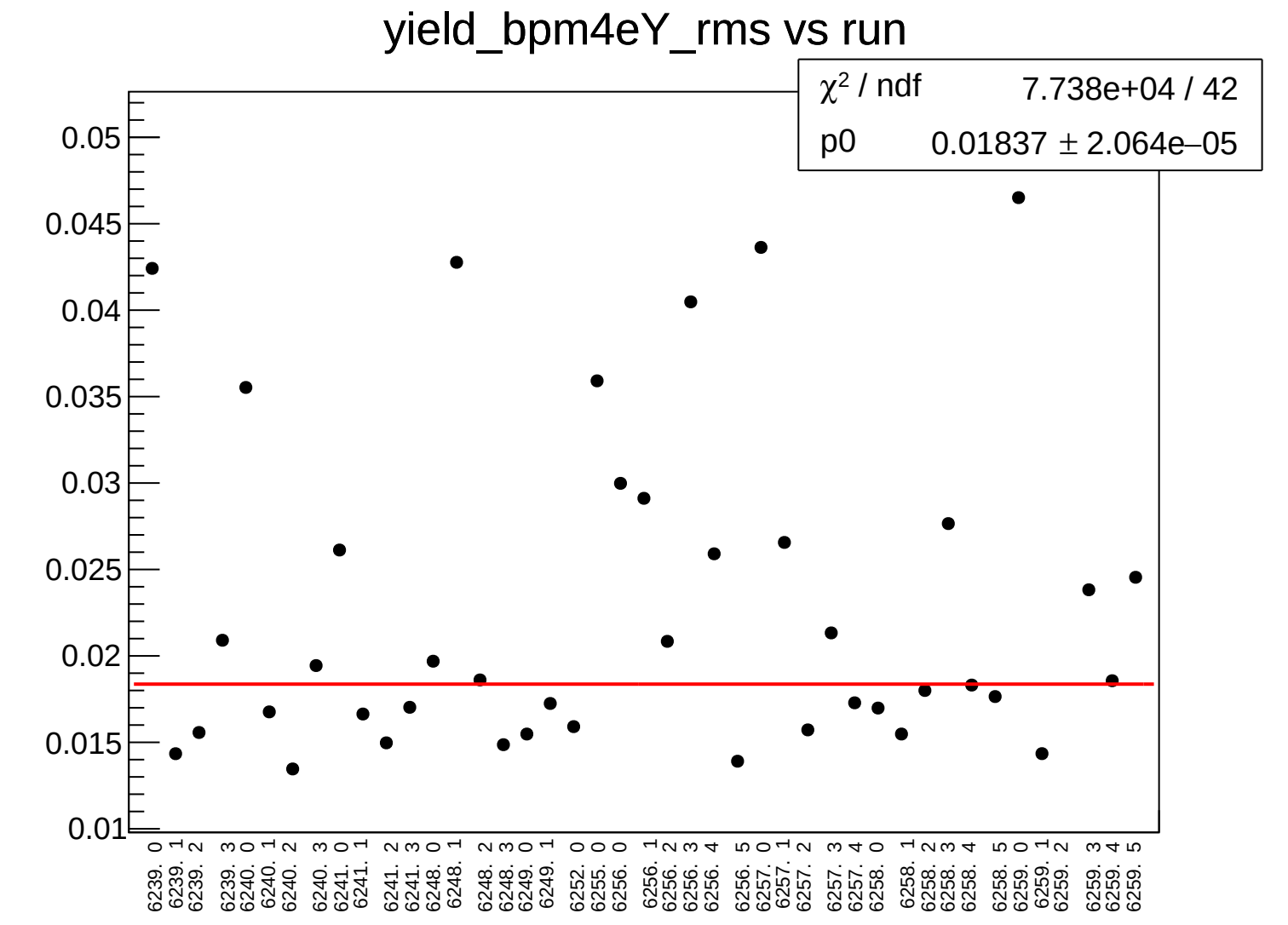

yield_bpm4eX_mean vs run
χ² / ndf 8.74e+04 / 42
p0 −0.07631 ± 3.569e−05
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.47
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

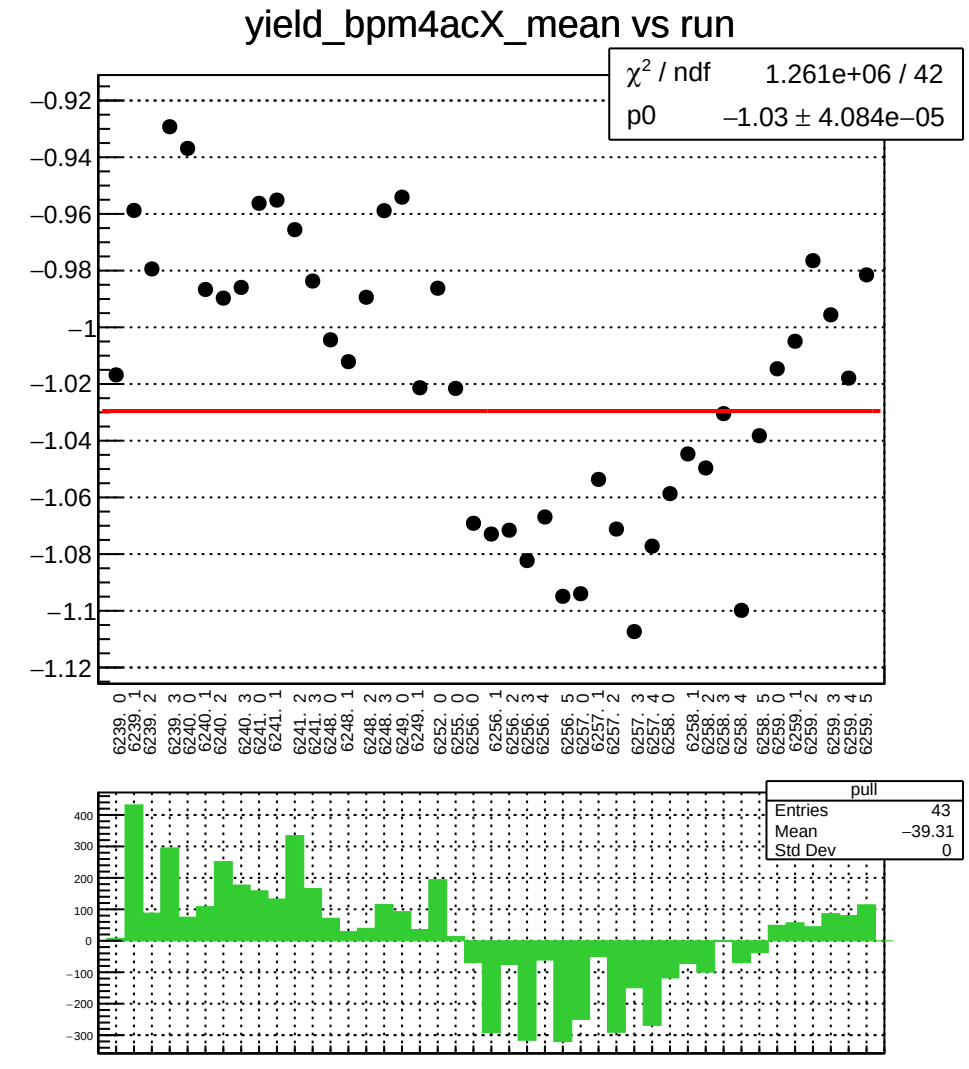

pull1D
Entries 43
Mean 0.9607
Std Dev 4.048
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

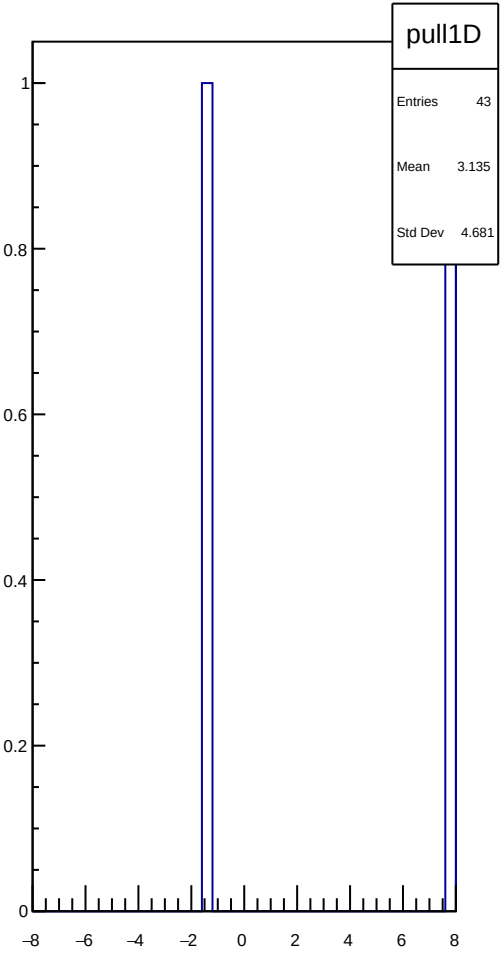

yield_bpm4eX_rms vs run
χ² / ndf 2.143e+05 / 42
p0 0.02042 ± 2.523e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

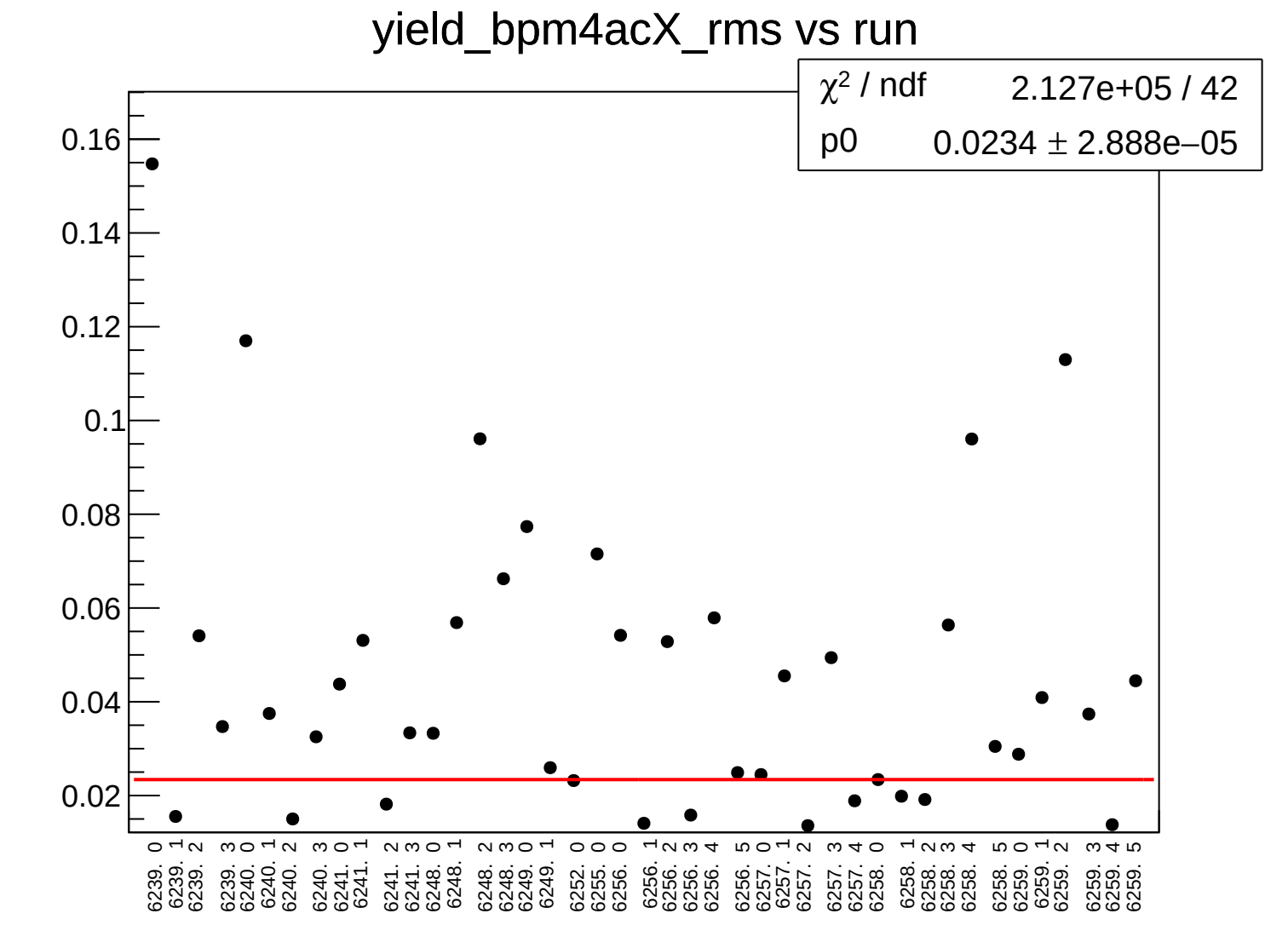

yield_bpm4eY_mean vs run
χ² / ndf 8.911e+04 / 42
p0 0.3251 ± 2.919e−05
0.34
0.33
0.32
0.31
0.3
0.29
0.28
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.69
Std Dev 7.034
100
50
0
−50
−100

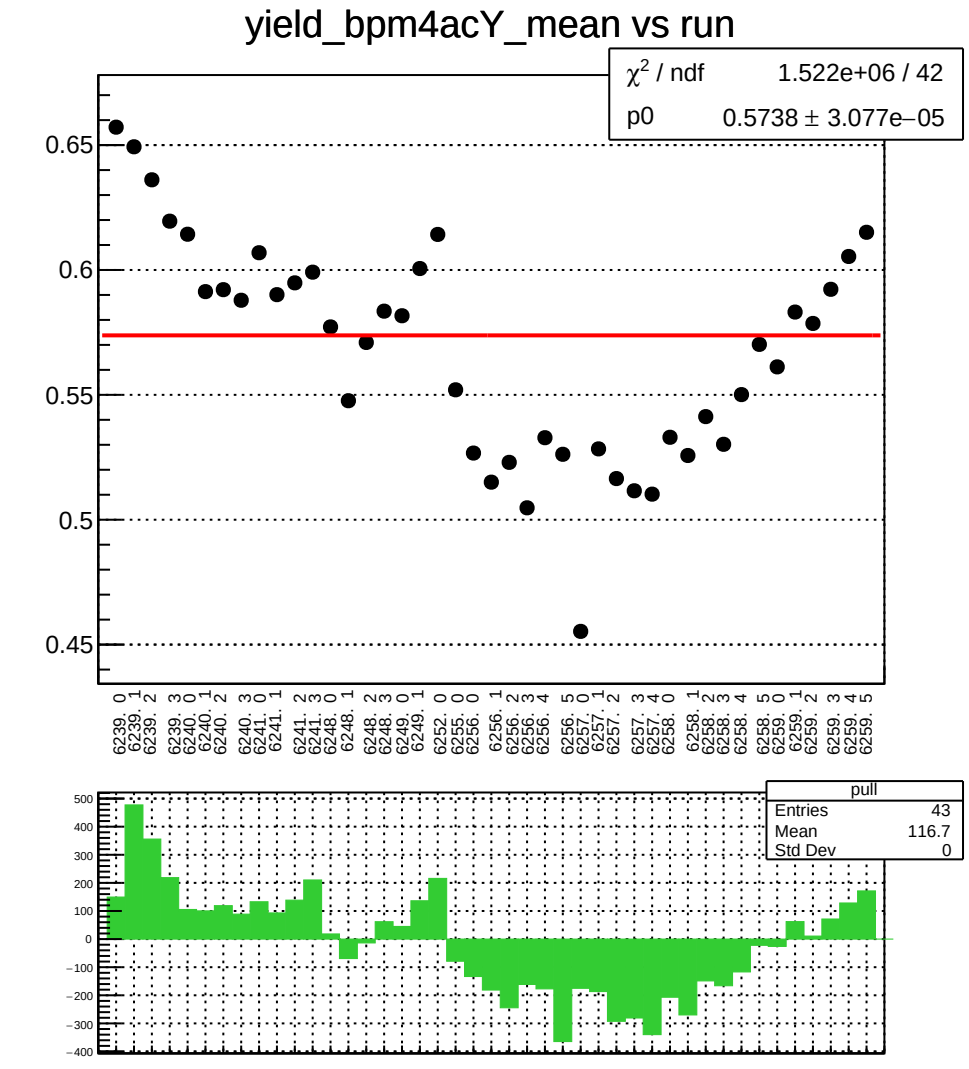

pull1D
Entries 43
Mean 1.654
Std Dev 2.753
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

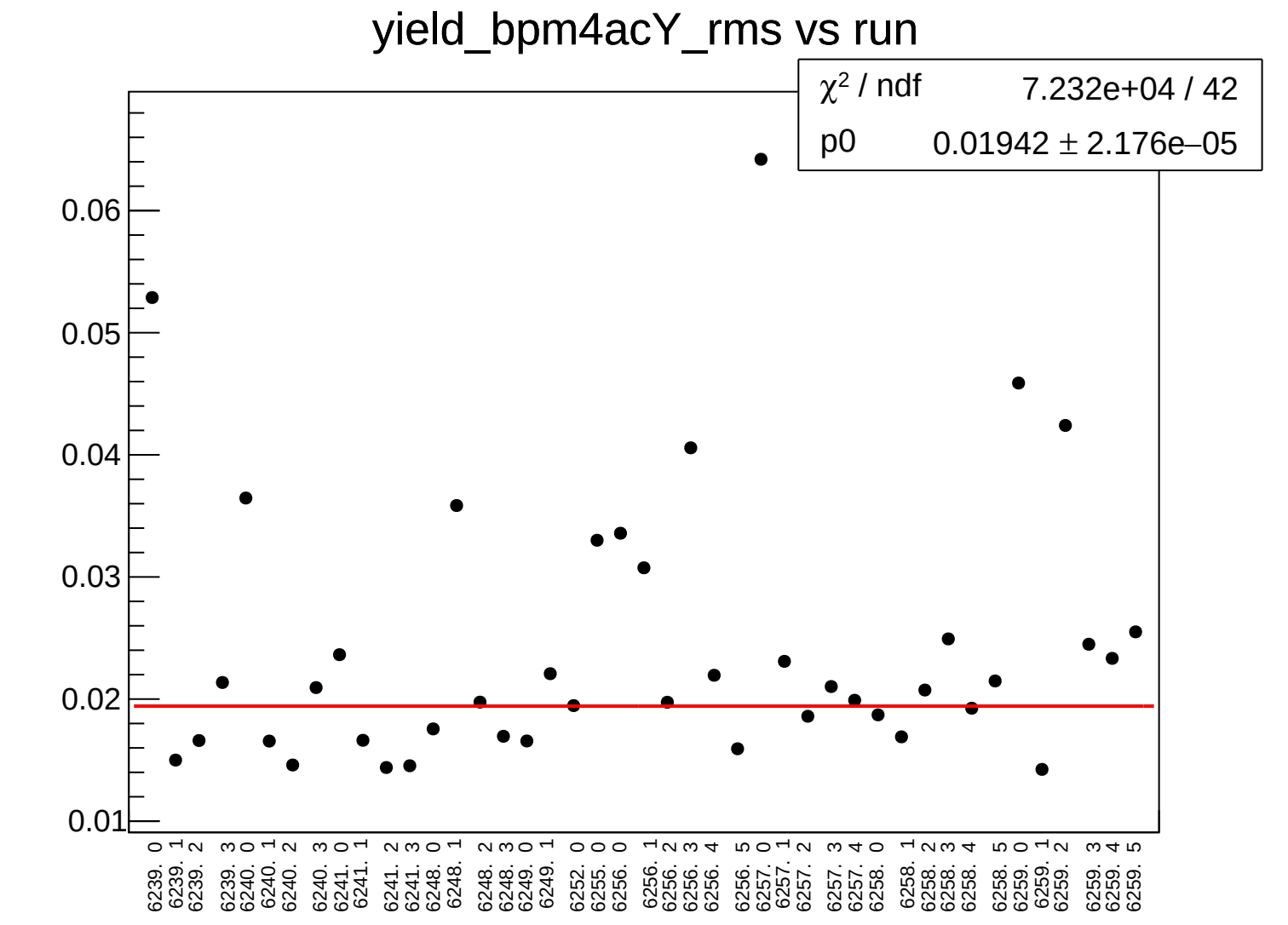

yield_bpm4eY_rms vs run
χ² / ndf 7.738e+04 / 42
p0 0.01837 ± 2.064e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

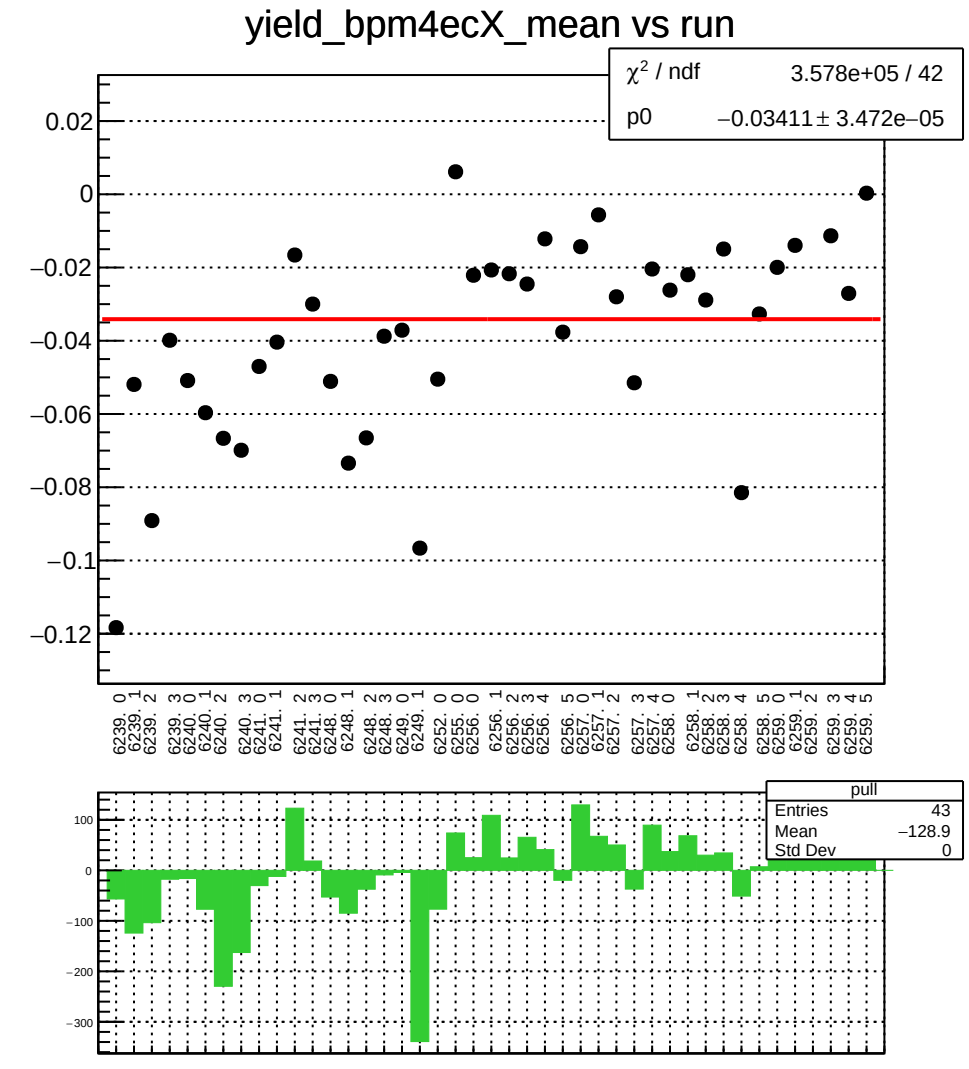

yield_bpm4acX_mean vs run
χ² / ndf 1.261e+06 / 42
p0 −1.03 ± 4.084e−05
−0.92
−0.94
−0.96
−0.98
−1
−1.02
−1.04
−1.06
−1.08
−1.1
−1.12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −39.31
Std Dev 0
400
300
200
100
0
−100
−200
−300

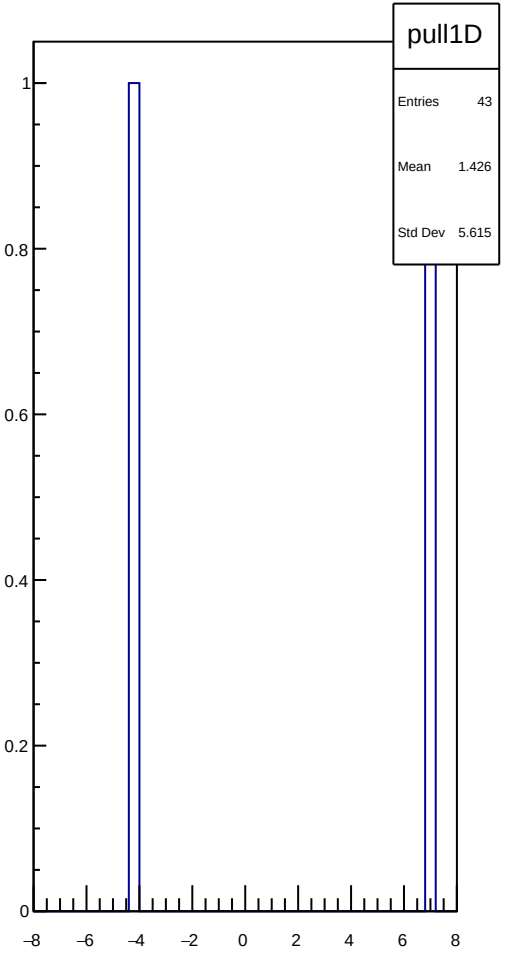

pull1D
Entries 43
Mean 3.135
Std Dev 4.681
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

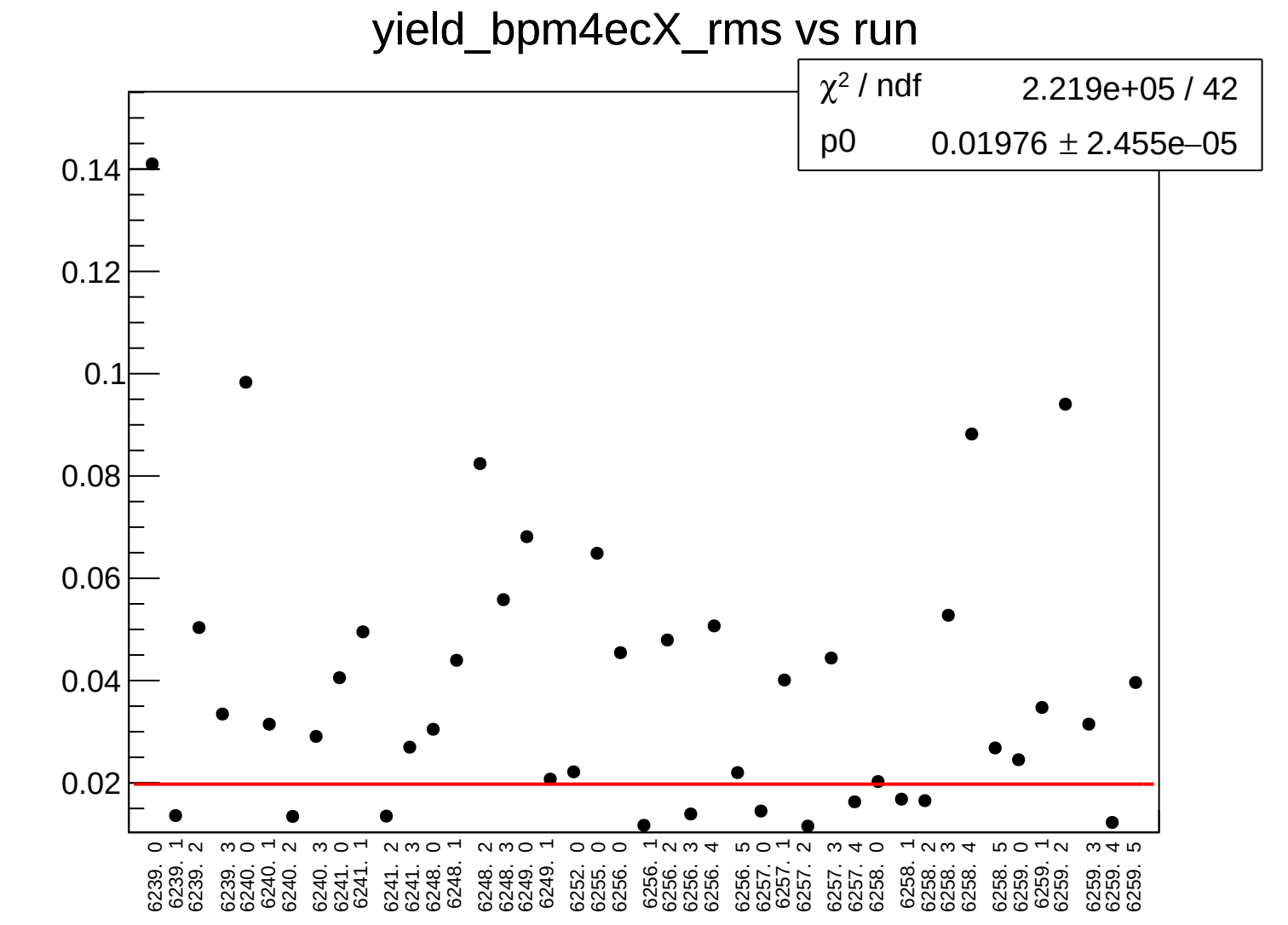

yield_bpm4acX_rms vs run
χ² / ndf 2.127e+05 / 42
p0 0.0234 ± 2.888e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

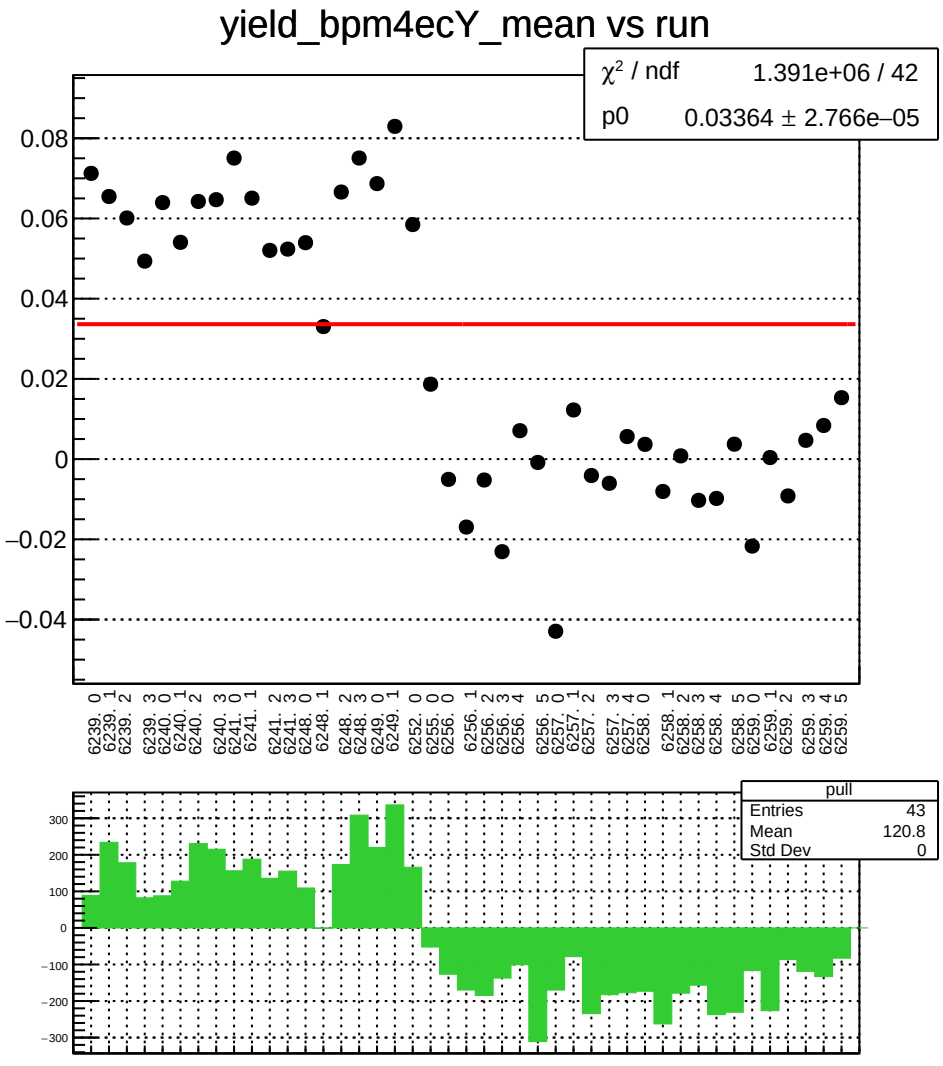

yield_bpm4acY_mean vs run
χ² / ndf 1.522e+06 / 42
p0 0.5738 ± 3.077e−05
0.65
0.6
0.55
0.5
0.45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.7
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

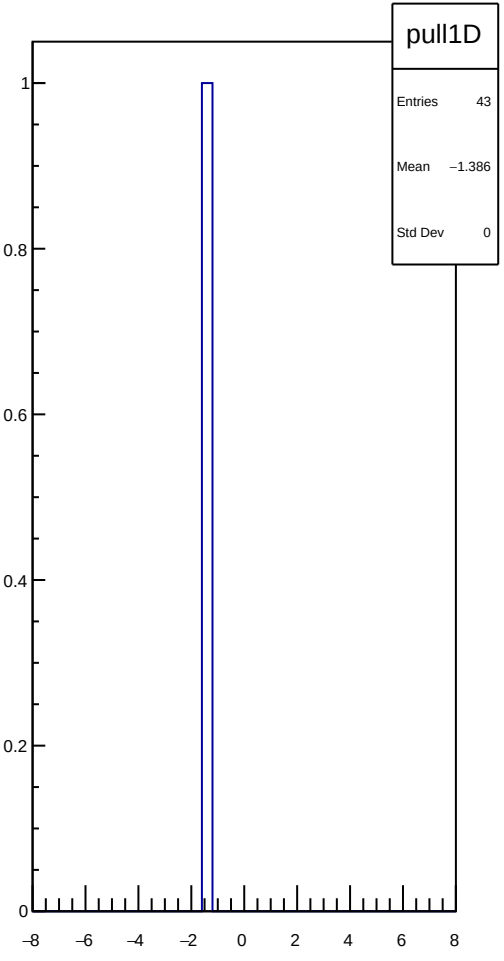

yield_bpm4acY_rms vs run
χ² / ndf 7.232e+04 / 42
p0 0.01942 ± 2.176e–05
0.06
0.05
0.04
0.03
0.02
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

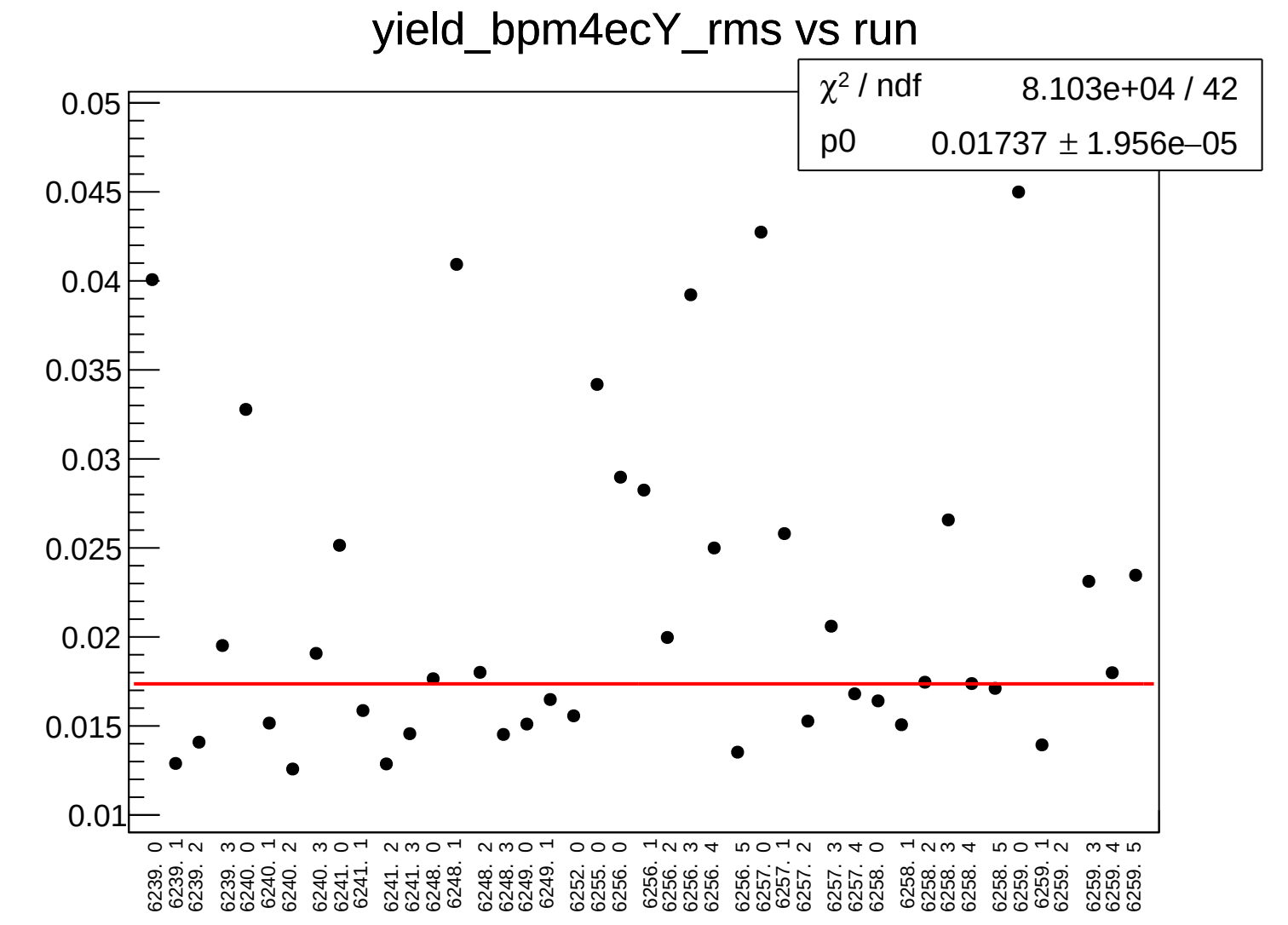

yield_bpm4ecX_mean vs run
χ² / ndf 3.578e+05 / 42
p0 −0.03411 ± 3.472e−05
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −128.9
Std Dev 0
100
0
−100
−200
−300

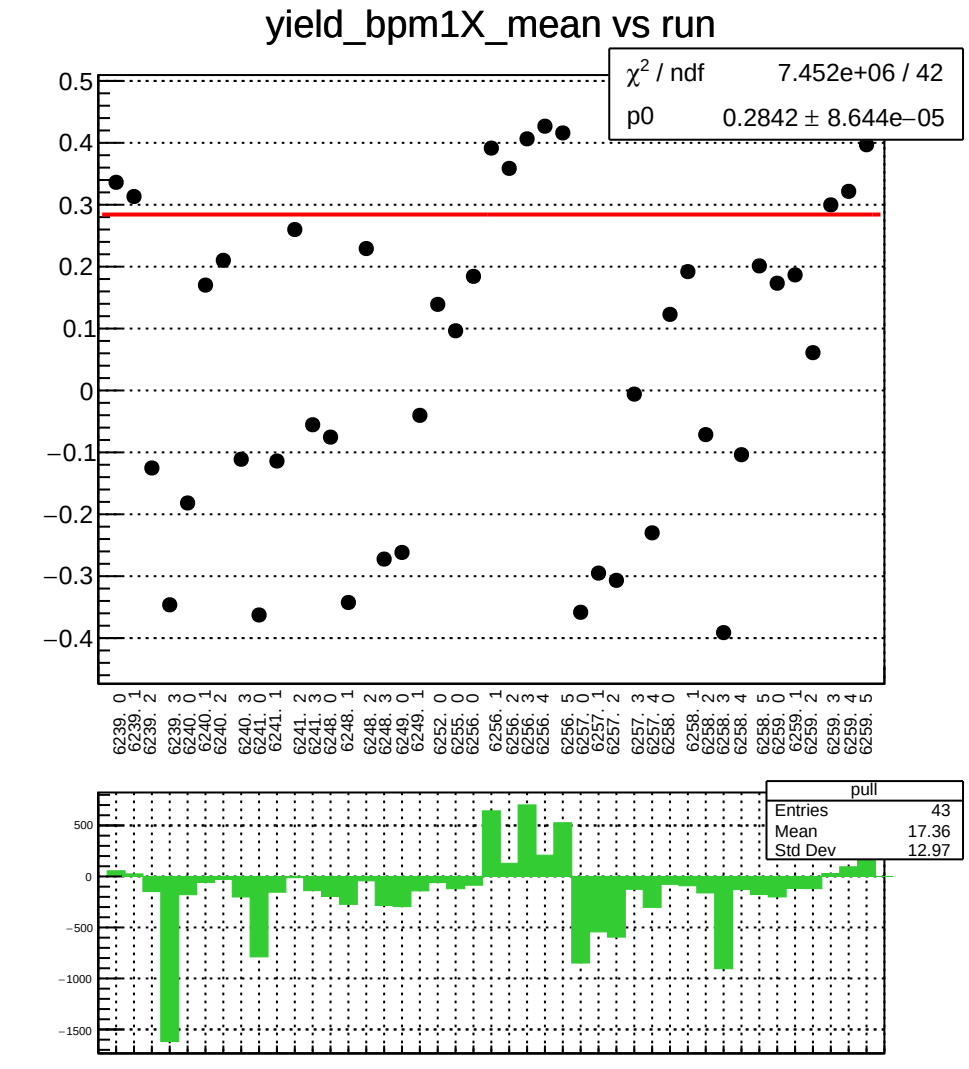

pull1D
Entries 43
Mean 1.426
Std Dev 5.615
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

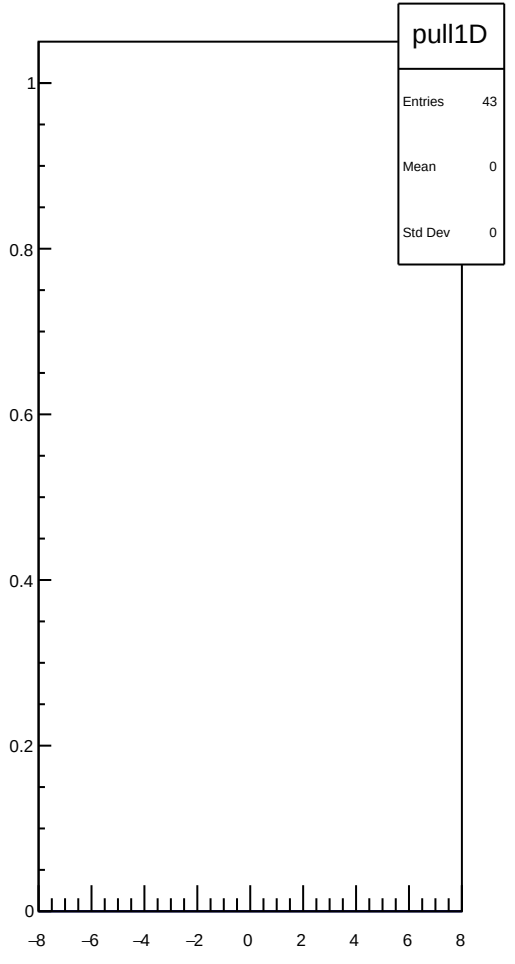

yield_bpm4ecX_rms vs run
χ² / ndf 2.219e+05 / 42
p0 0.01976 ± 2.455e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

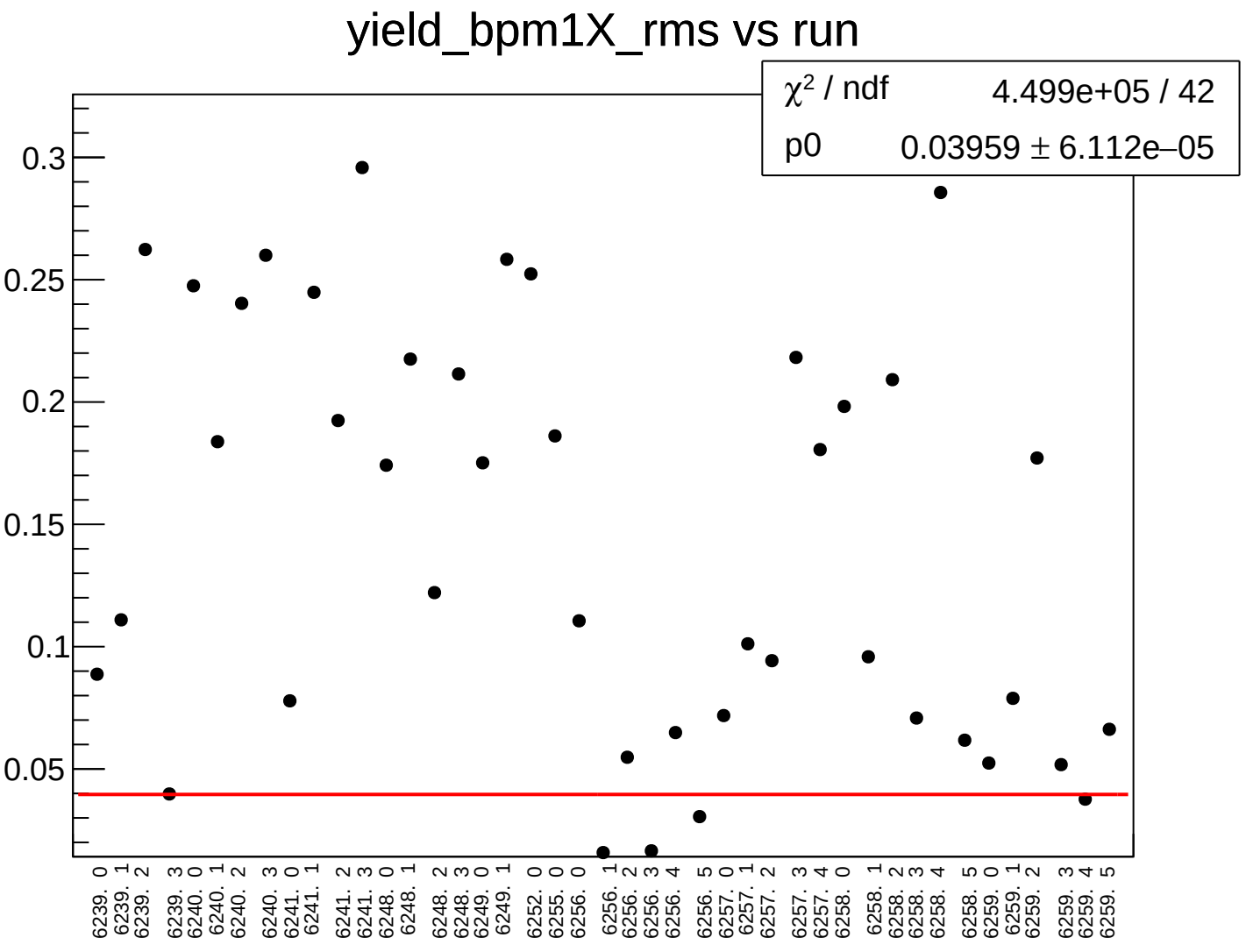

yield_bpm4ecY_mean vs run
χ² / ndf 1.391e+06 / 42
p0 0.03364 ± 2.766e−05
0.08
0.06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 120.8
Std Dev 0
300
200
100
0
−100
−200
−300

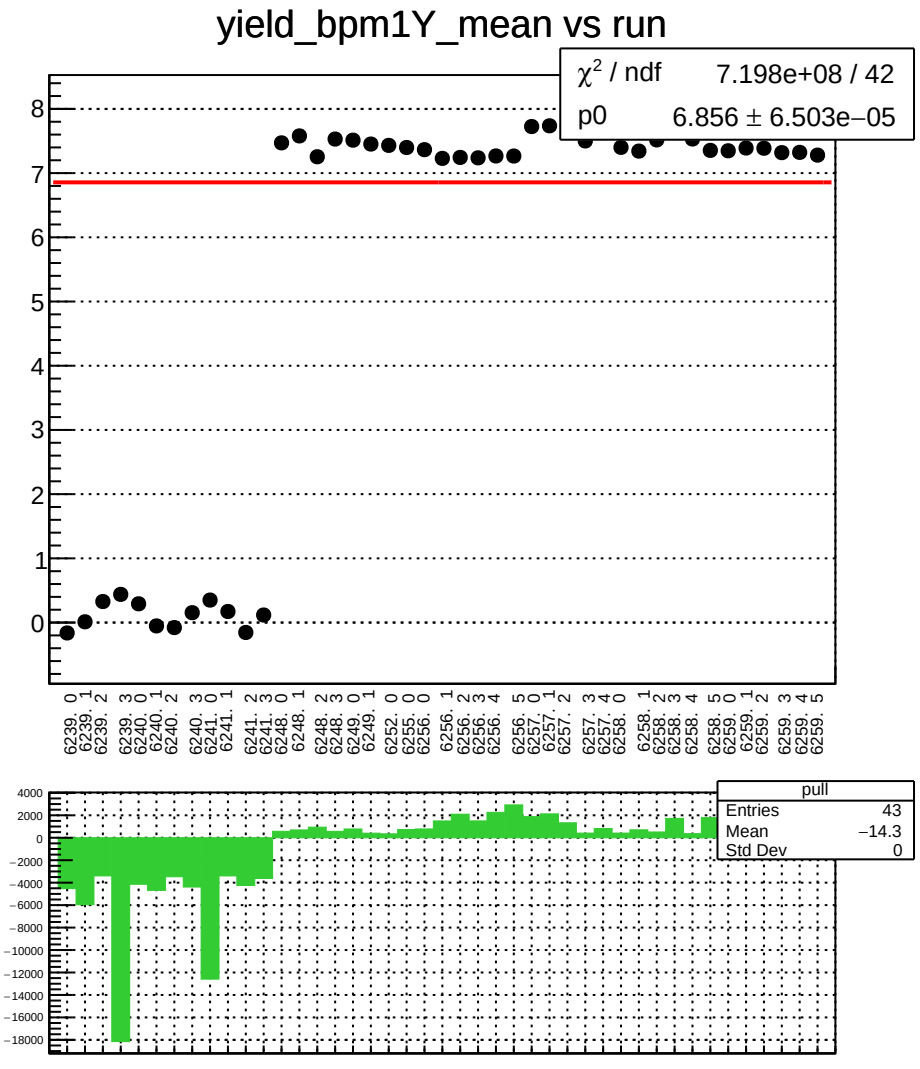

pull1D
Entries 43
Mean −1.386
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

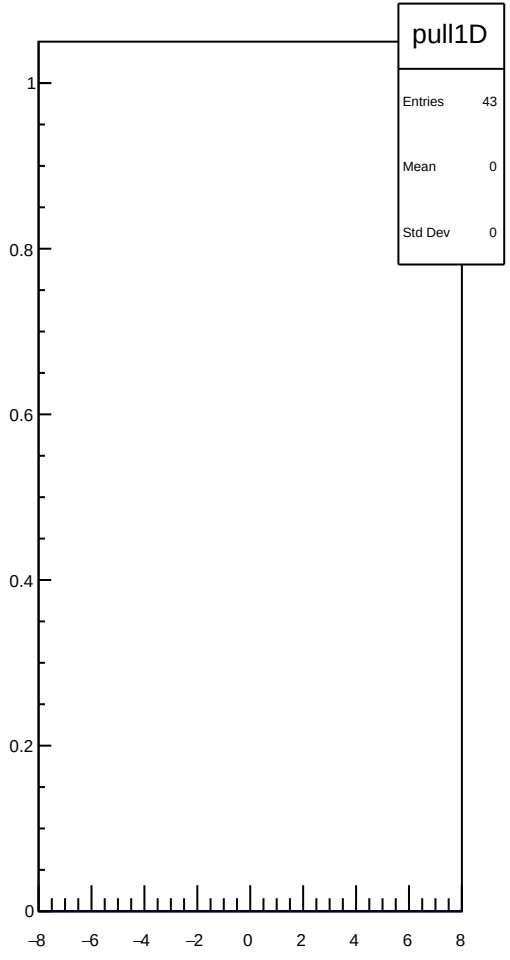

yield_bpm4ecY_rms vs run
χ² / ndf 8.103e+04 / 42
p0 0.01737 ± 1.956e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

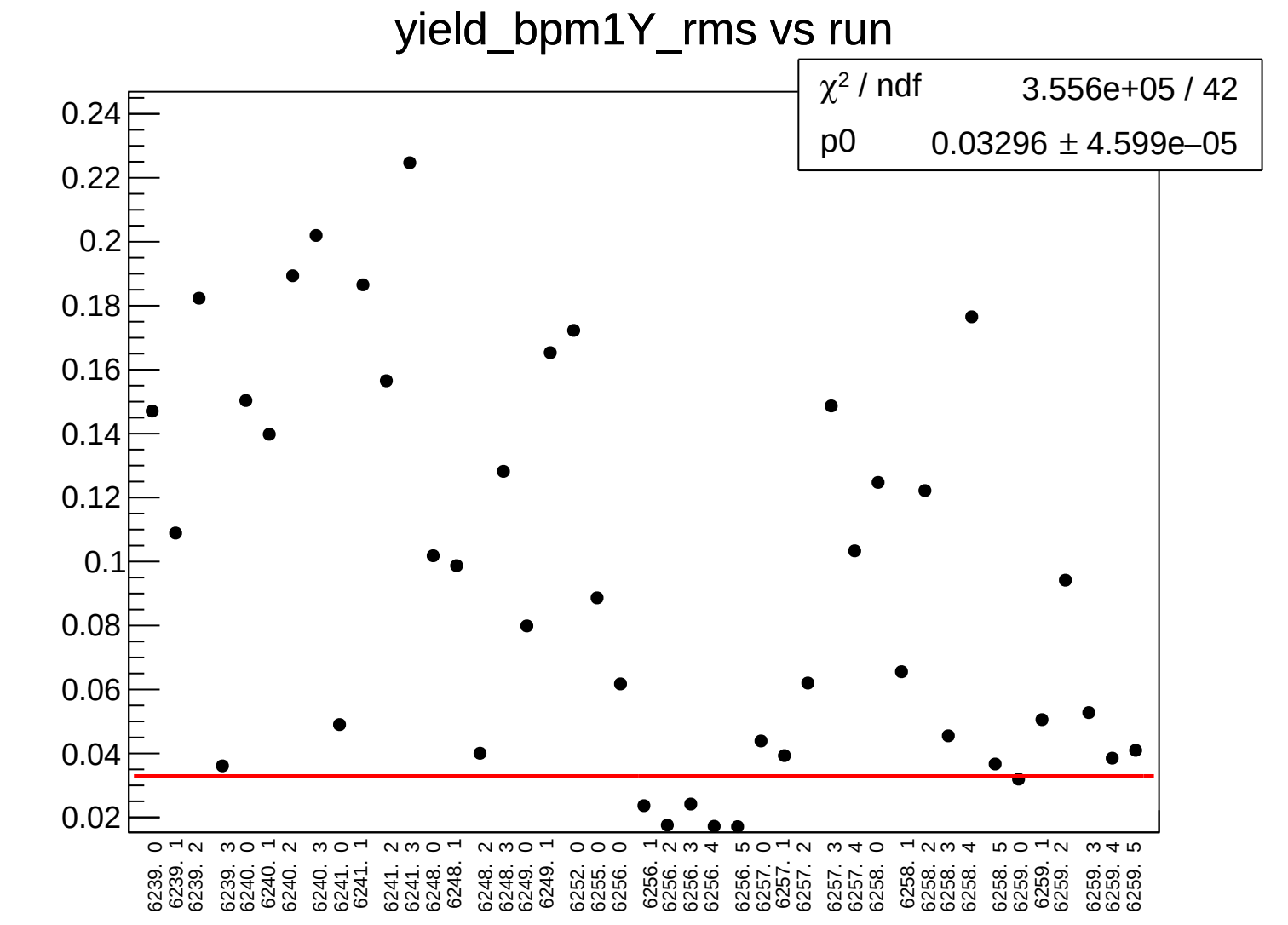

yield_bpm1X_mean vs run
χ² / ndf 7.452e+06 / 42
p0 0.2842 ± 8.644e−05
pull
Entries 43
Mean 17.36
Std Dev 12.97

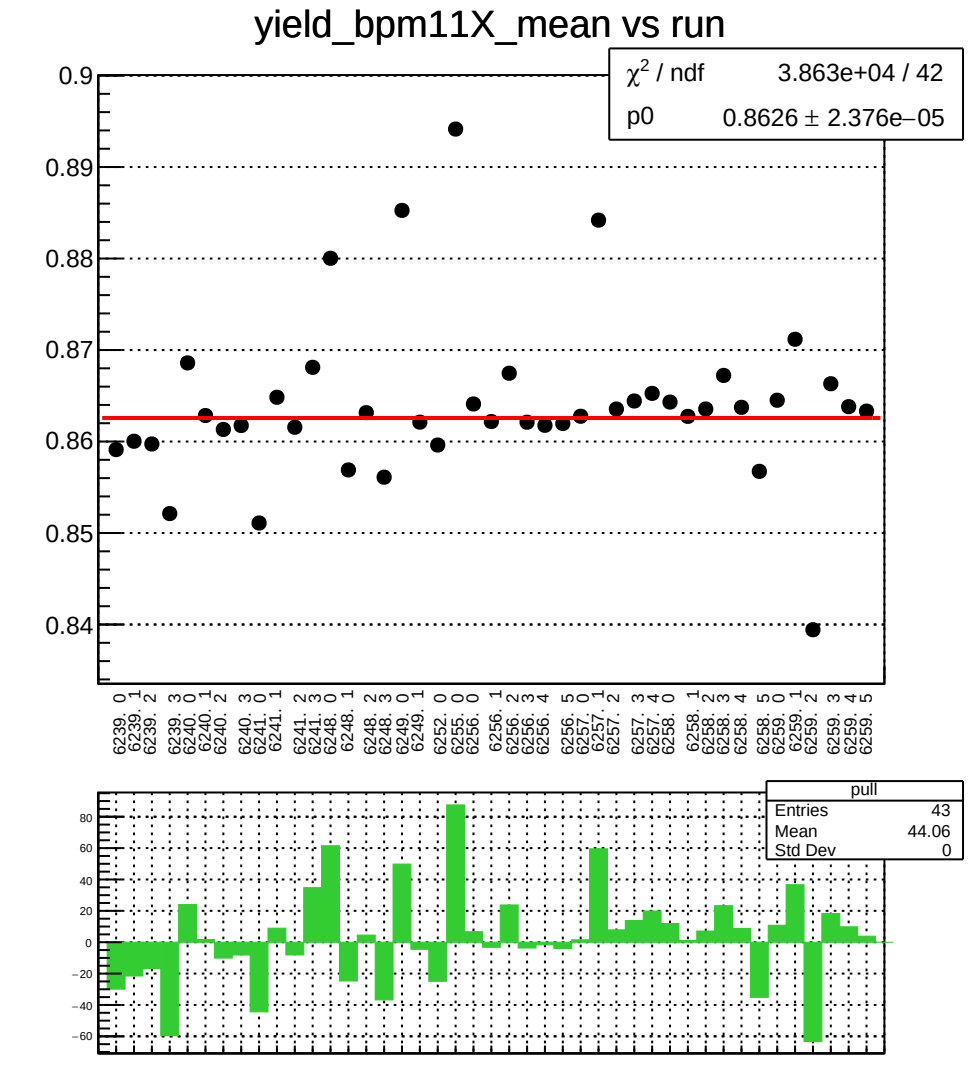

pull1D
Entries 43
Mean 0
Std Dev 0

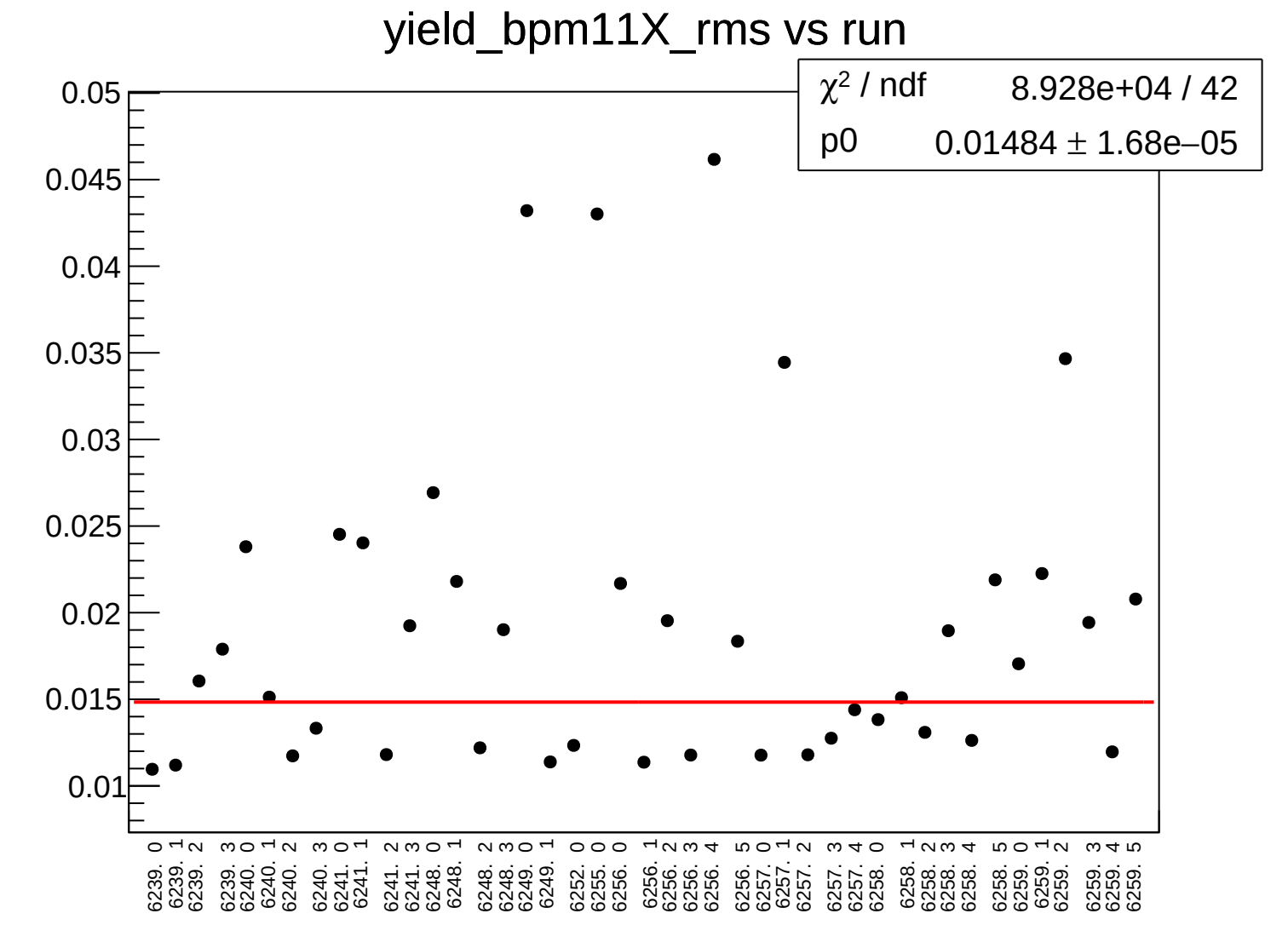

yield_bpm1X_rms vs run
χ² / ndf 4.499e+05 / 42
p0 0.03959 ± 6.112e–05
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

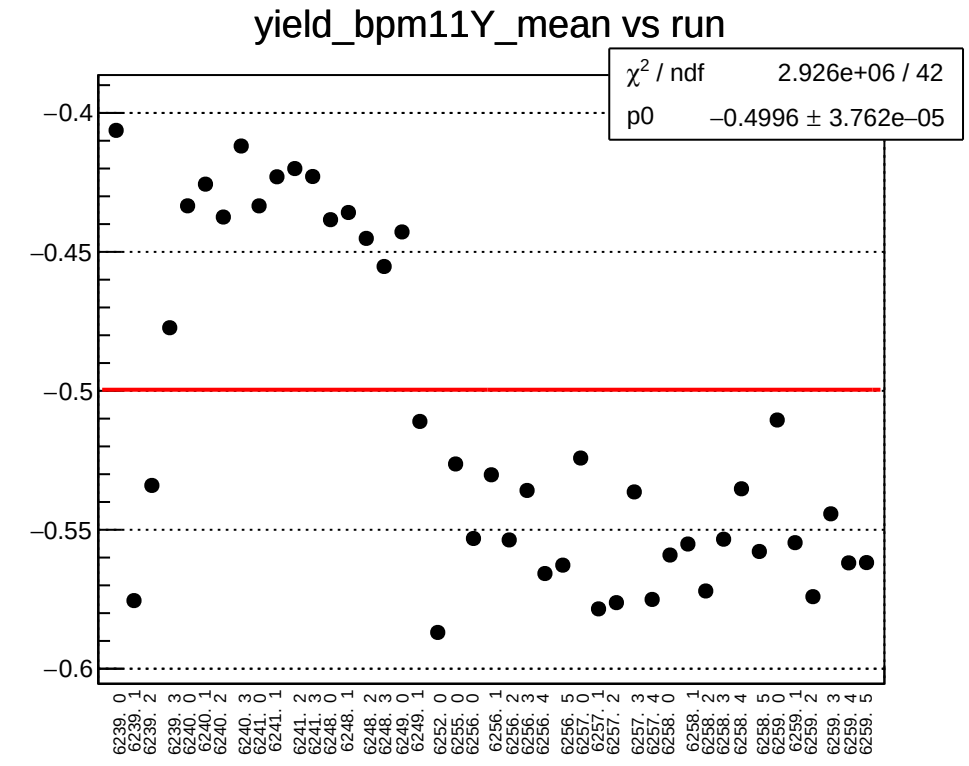

yield_bpm1Y_mean vs run
χ² / ndf 7.198e+08 / 42
p0 6.856 ± 6.503e−05
pull
Entries 43
Mean −14.3
Std Dev 0

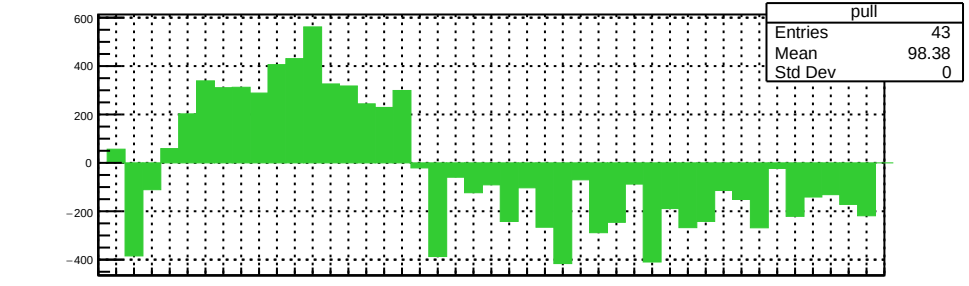

pull1D
Entries 43
Mean 0
Std Dev 0

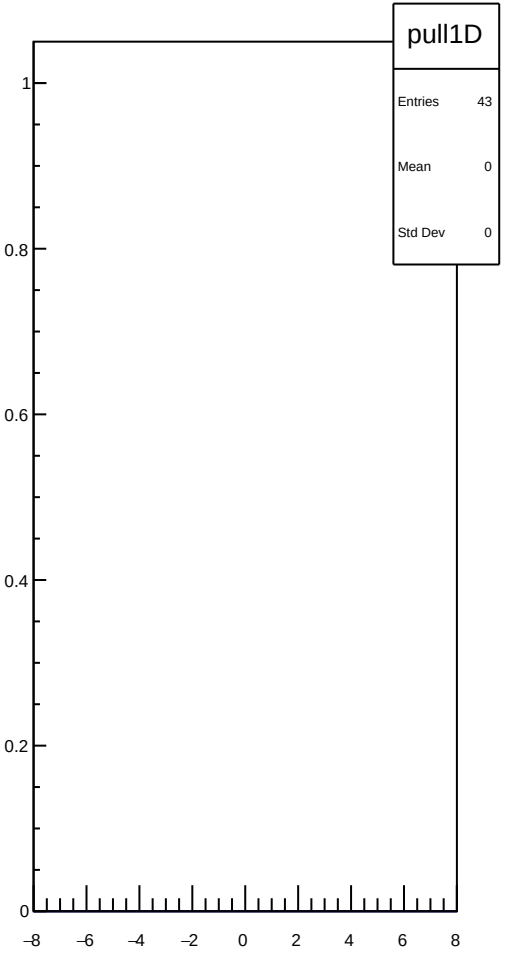

yield_bpm1Y_rms vs run
χ² / ndf 3.556e+05 / 42
p0 0.03296 ± 4.599e–05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

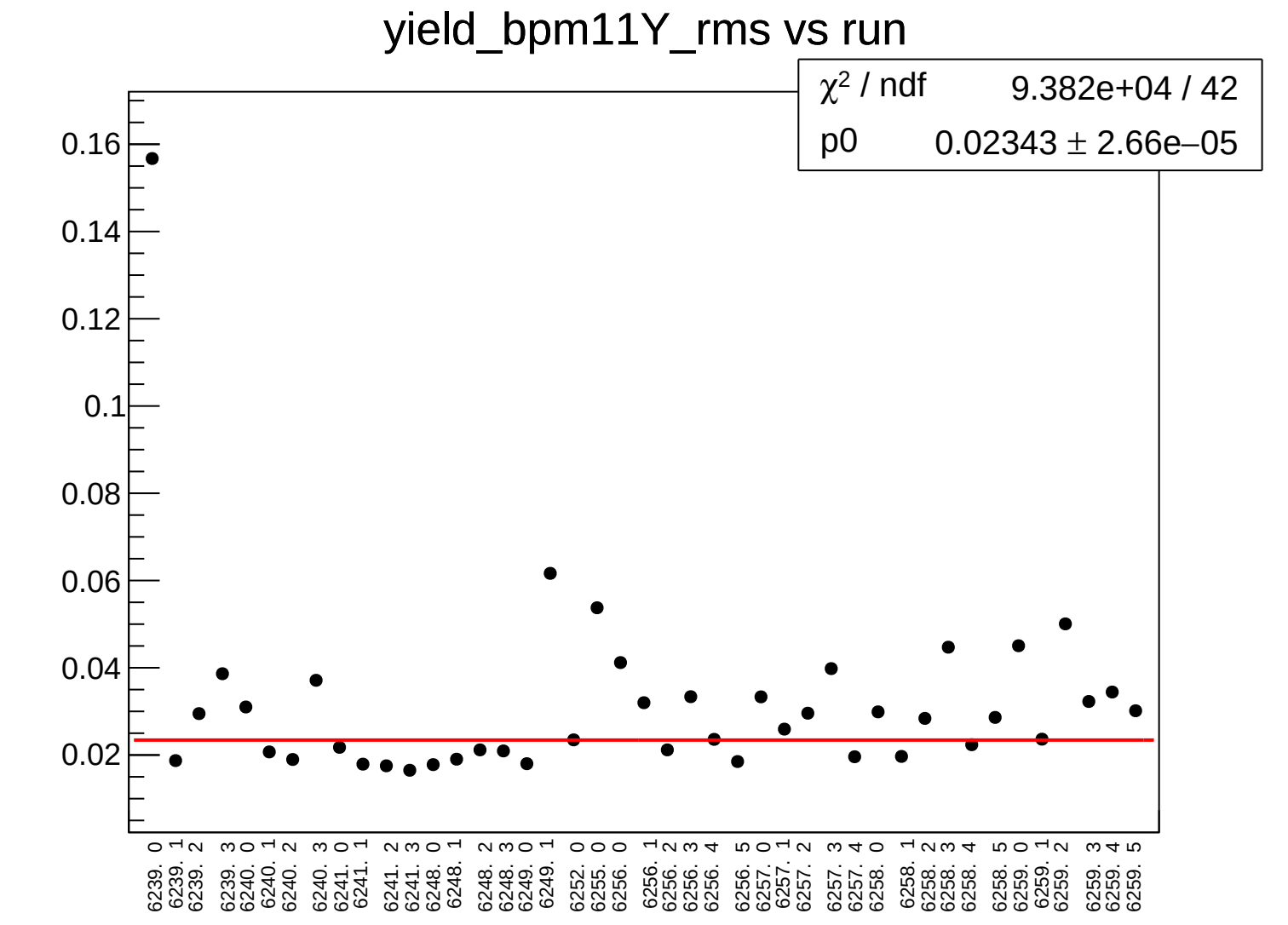

yield_bpm11X_mean vs run
χ² / ndf 3.863e+04 / 42
p0 0.8626 ± 2.376e−05
0.9
0.89
0.88
0.87
0.86
0.85
0.84
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.06
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 43
Mean 1.329
Std Dev 4.291
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

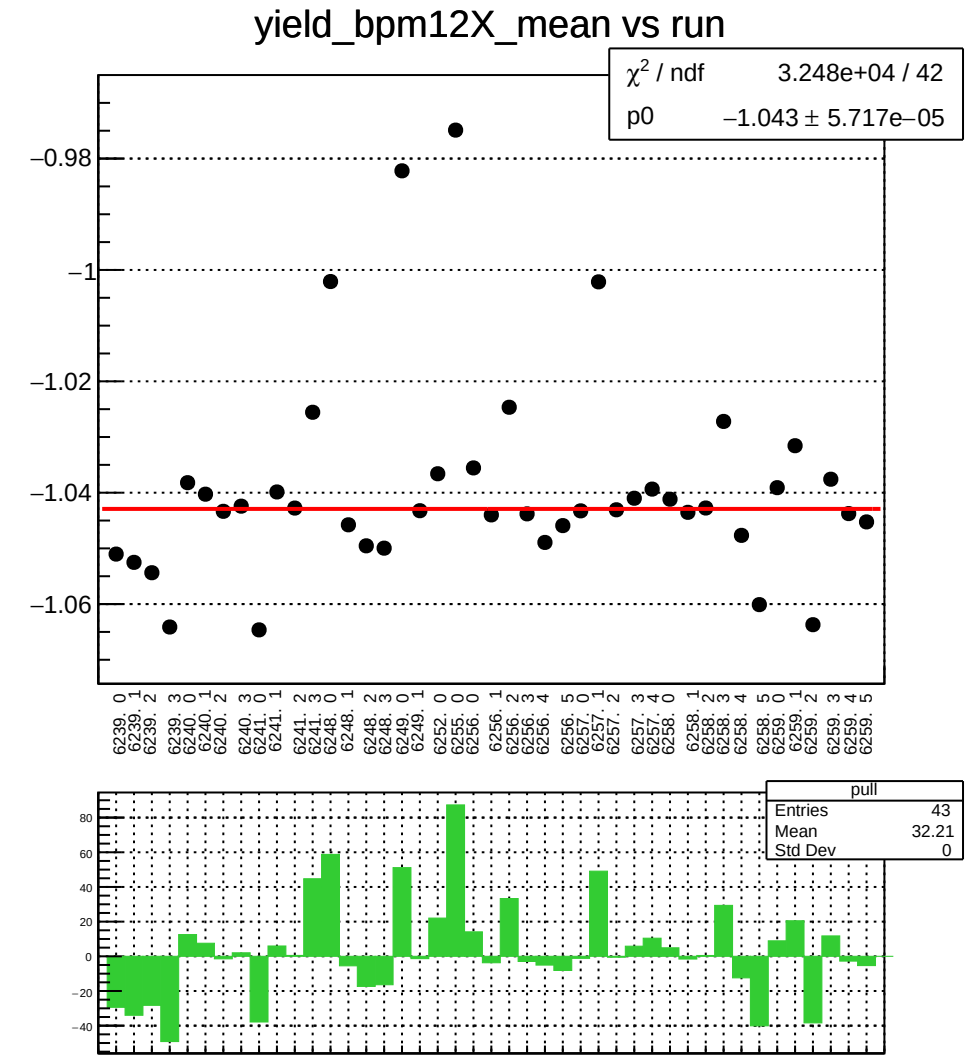

yield_bpm11X_rms vs run
χ² / ndf 8.928e+04 / 42
p0 0.01484 ± 1.68e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

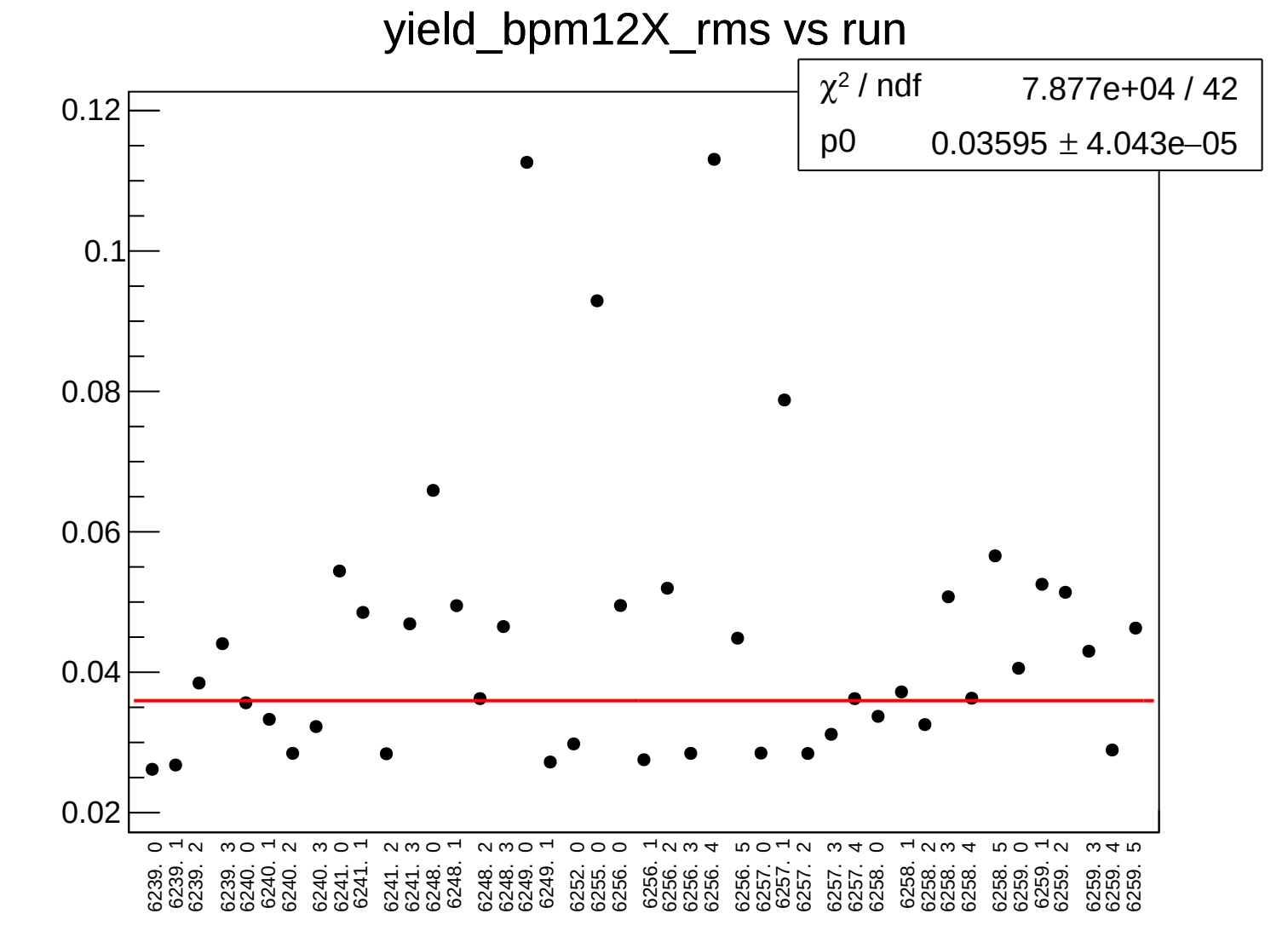

yield_bpm11Y_mean vs run
χ² / ndf 2.926e+06 / 42
p0 −0.4996 ± 3.762e−05
−0.4
−0.45
−0.5
−0.55
−0.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

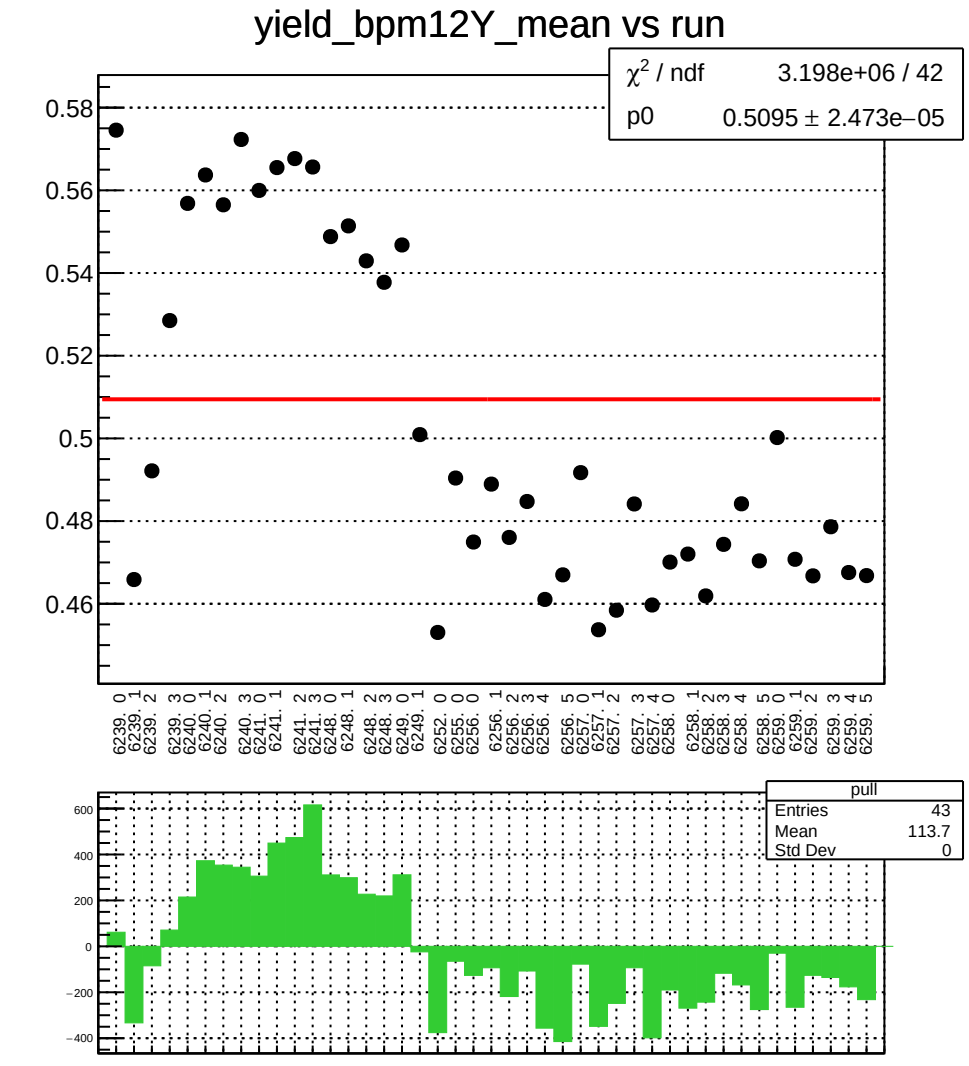

pull
Entries 43
Mean 98.38
Std Dev 0
600
400
200
0
−200
−400

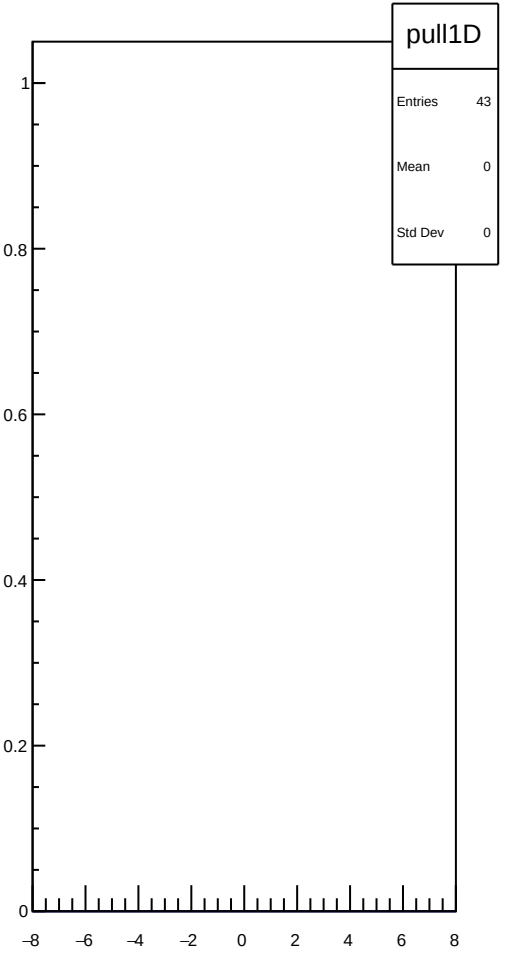

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

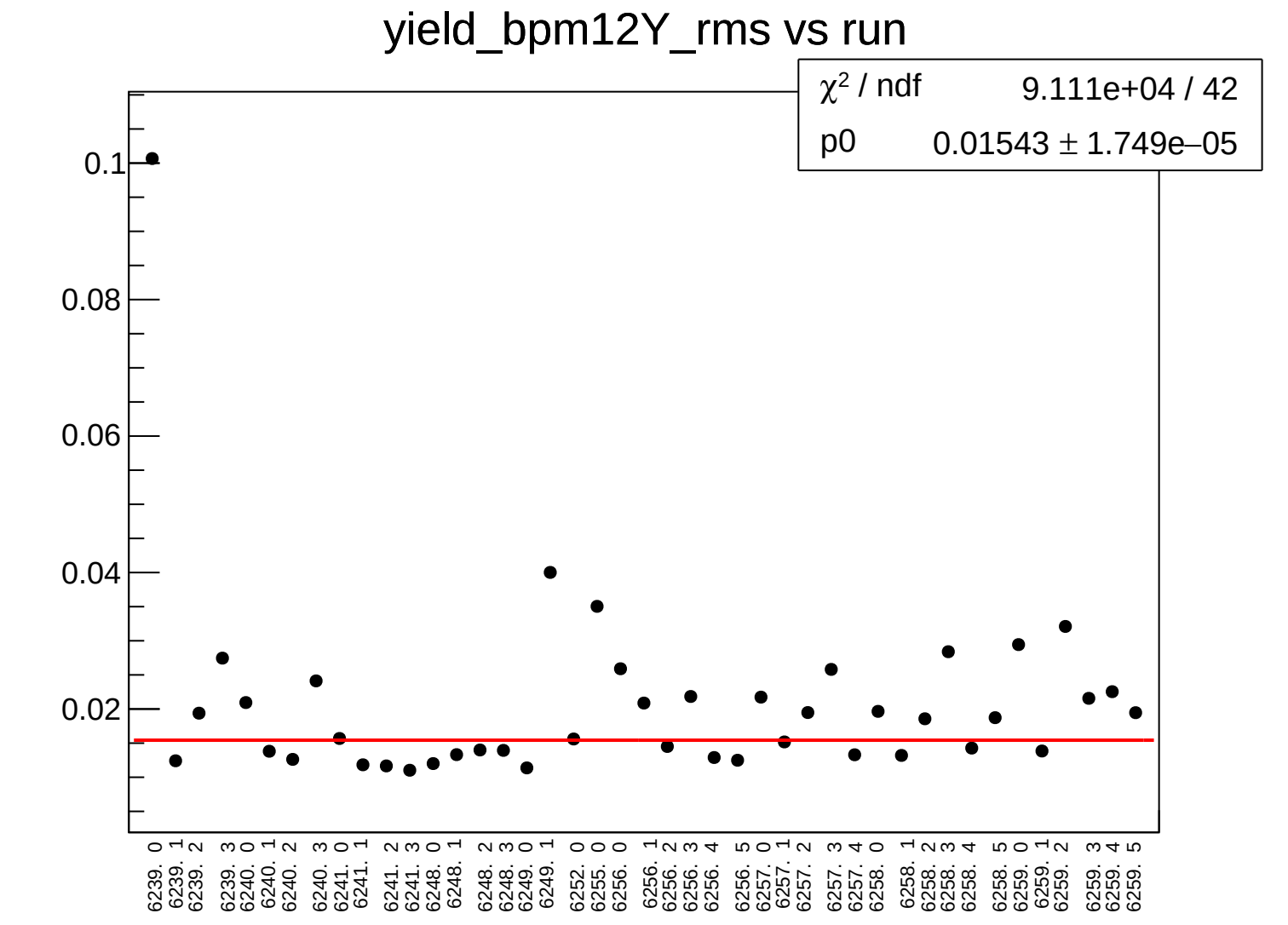

yield_bpm11Y_rms vs run
χ² / ndf 9.382e+04 / 42
p0 0.02343 ± 2.66e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

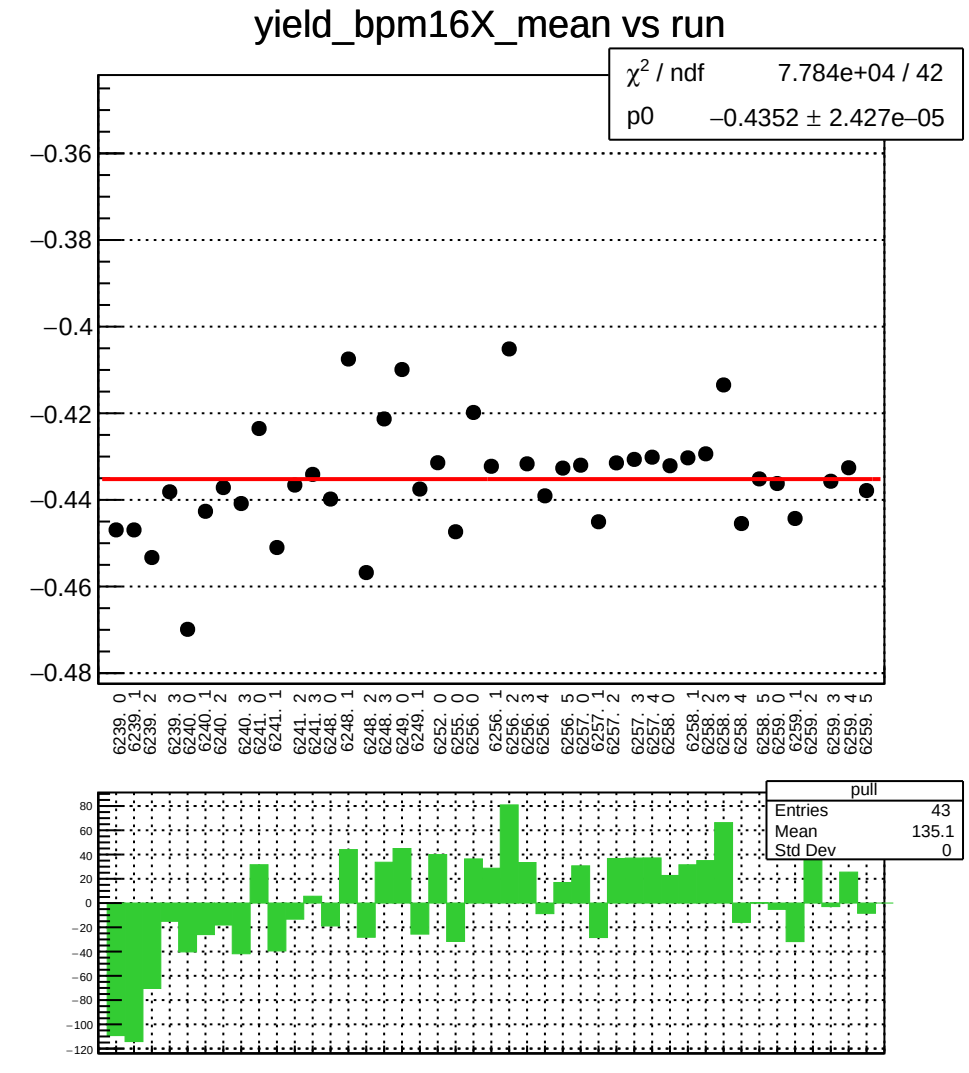

yield_bpm12X_mean vs run
χ² / ndf 3.248e+04 / 42
p0 −1.043 ± 5.717e−05
−0.98
−1
−1.02
−1.04
−1.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 32.21
Std Dev 0
80
60
40
20
0
−20
−40
pull1D
Entries 43
Mean −0.2282
Std Dev 3.915
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

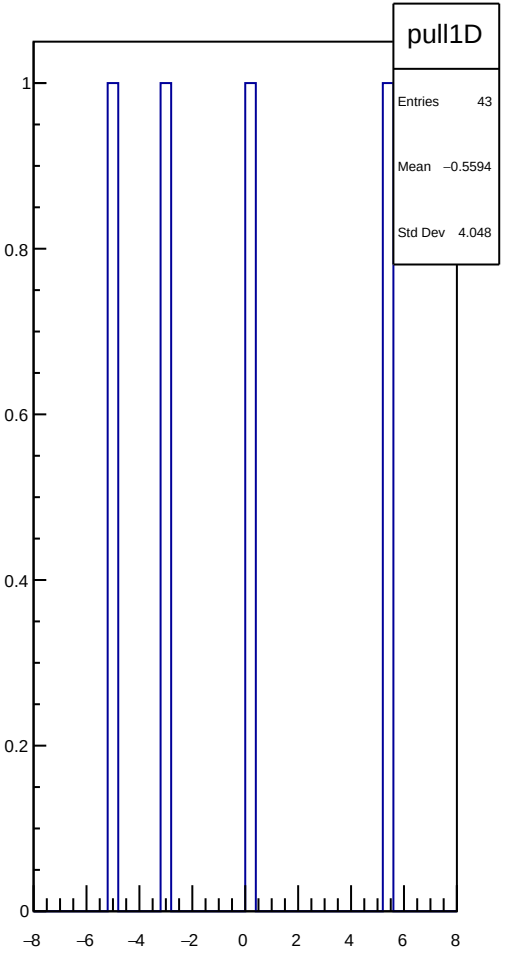

yield_bpm12X_rms vs run
χ² / ndf 7.877e+04 / 42
p0 0.03595 ± 4.043e–05
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

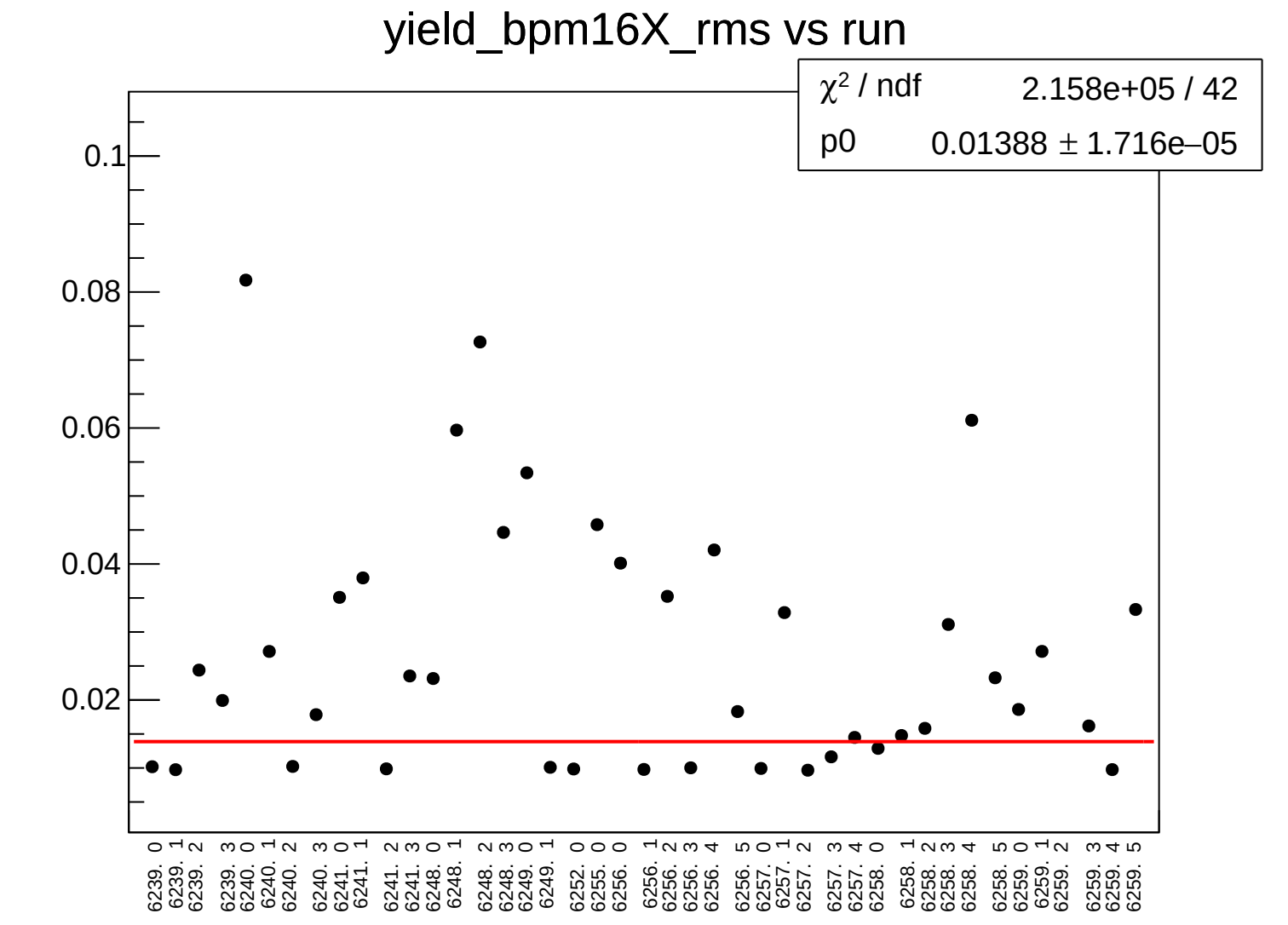

yield_bpm12Y_mean vs run
χ² / ndf 3.198e+06 / 42
p0 0.5095 ± 2.473e−05
0.58
0.56
0.54
0.52
0.5
0.48
0.46
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.7
Std Dev 0
600
400
200
0
−200
−400

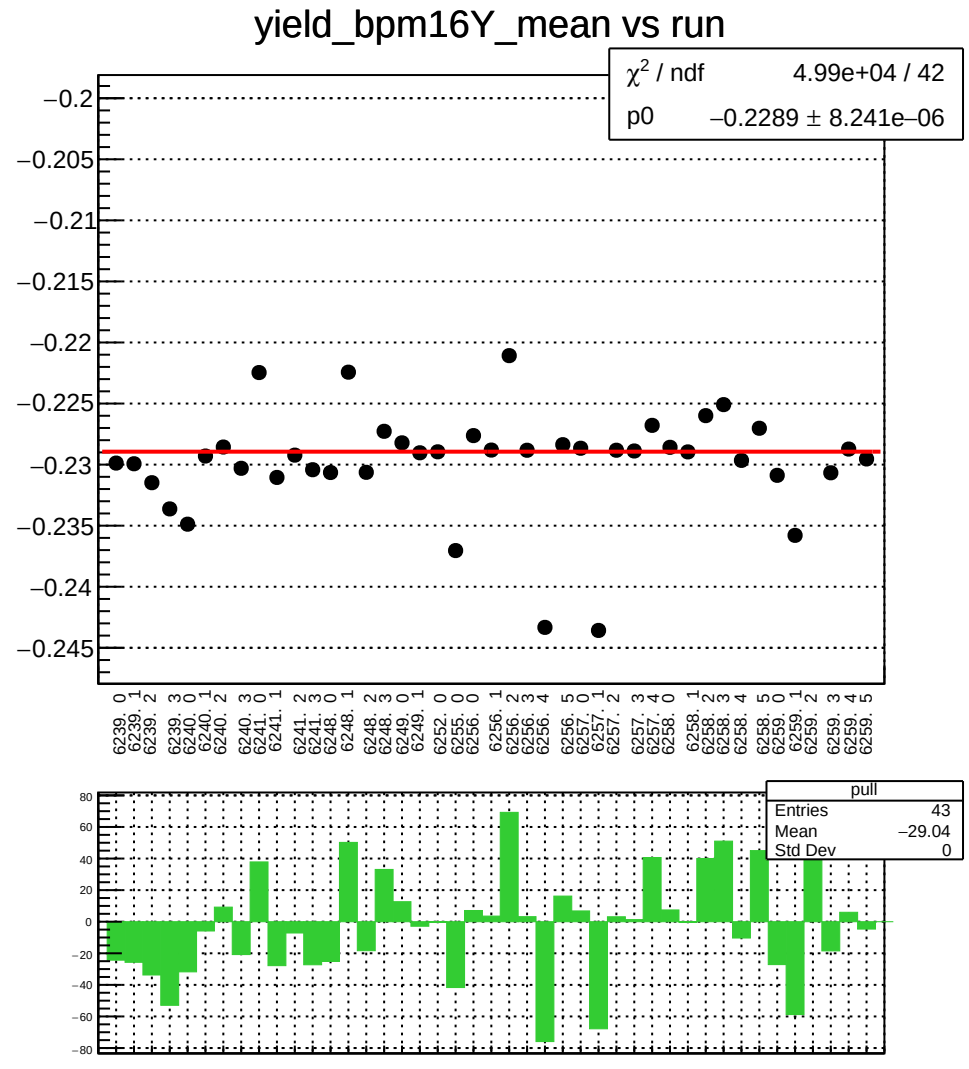

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

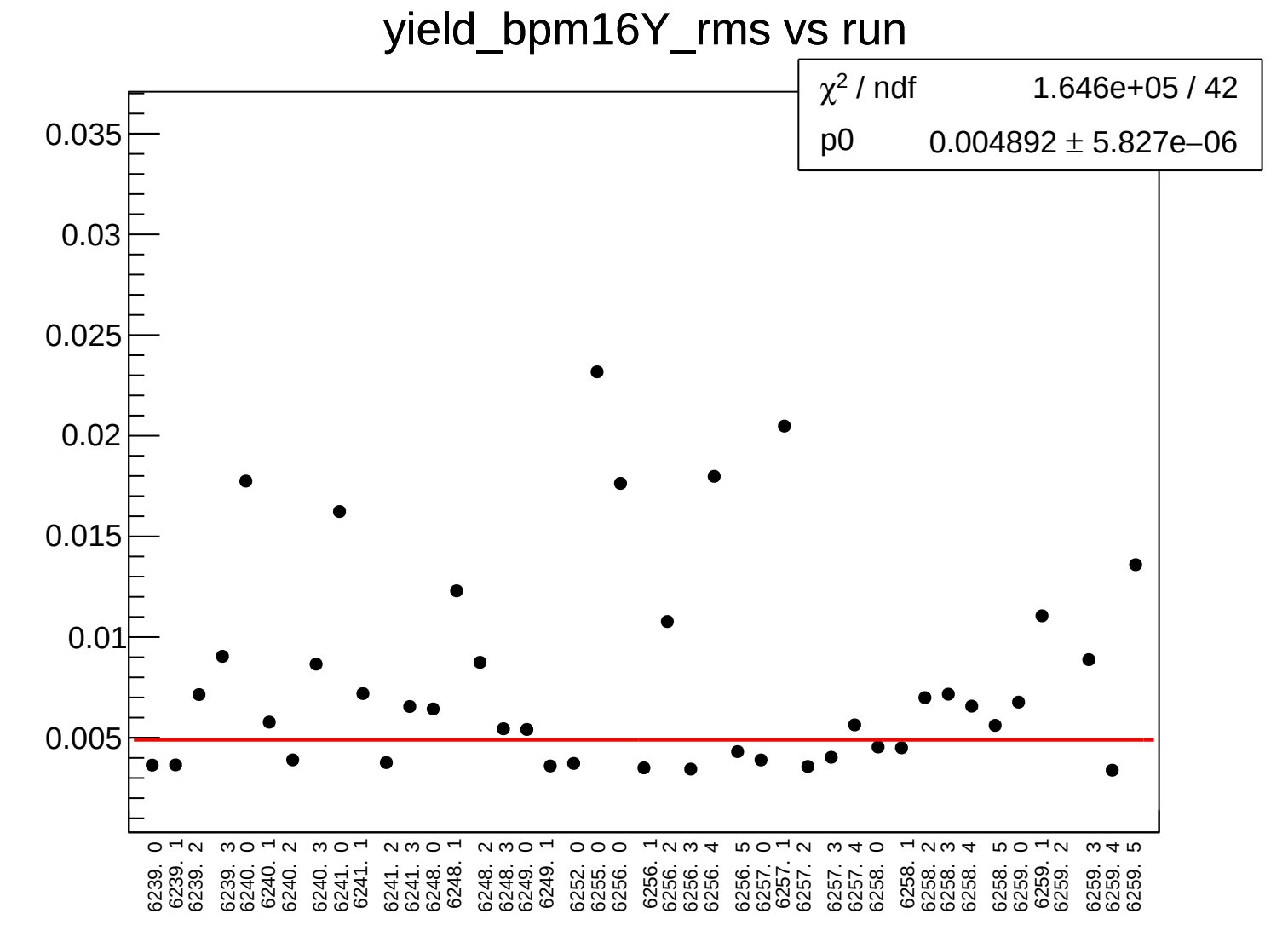

yield_bpm12Y_rms vs run
χ² / ndf 9.111e+04 / 42
p0 0.01543 ± 1.749e−05
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

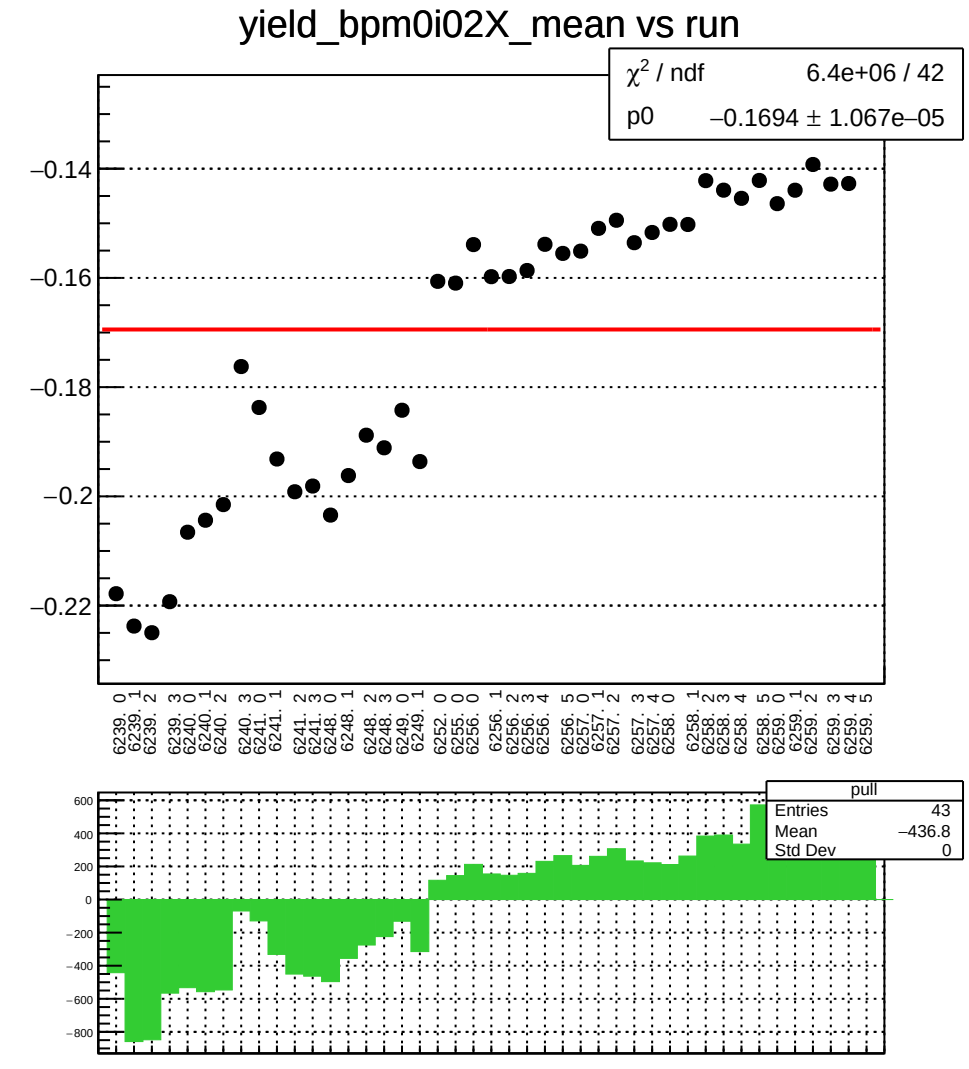

yield_bpm16X_mean vs run
χ² / ndf 7.784e+04 / 42
p0 −0.4352 ± 2.427e−05
−0.36
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 135.1
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120

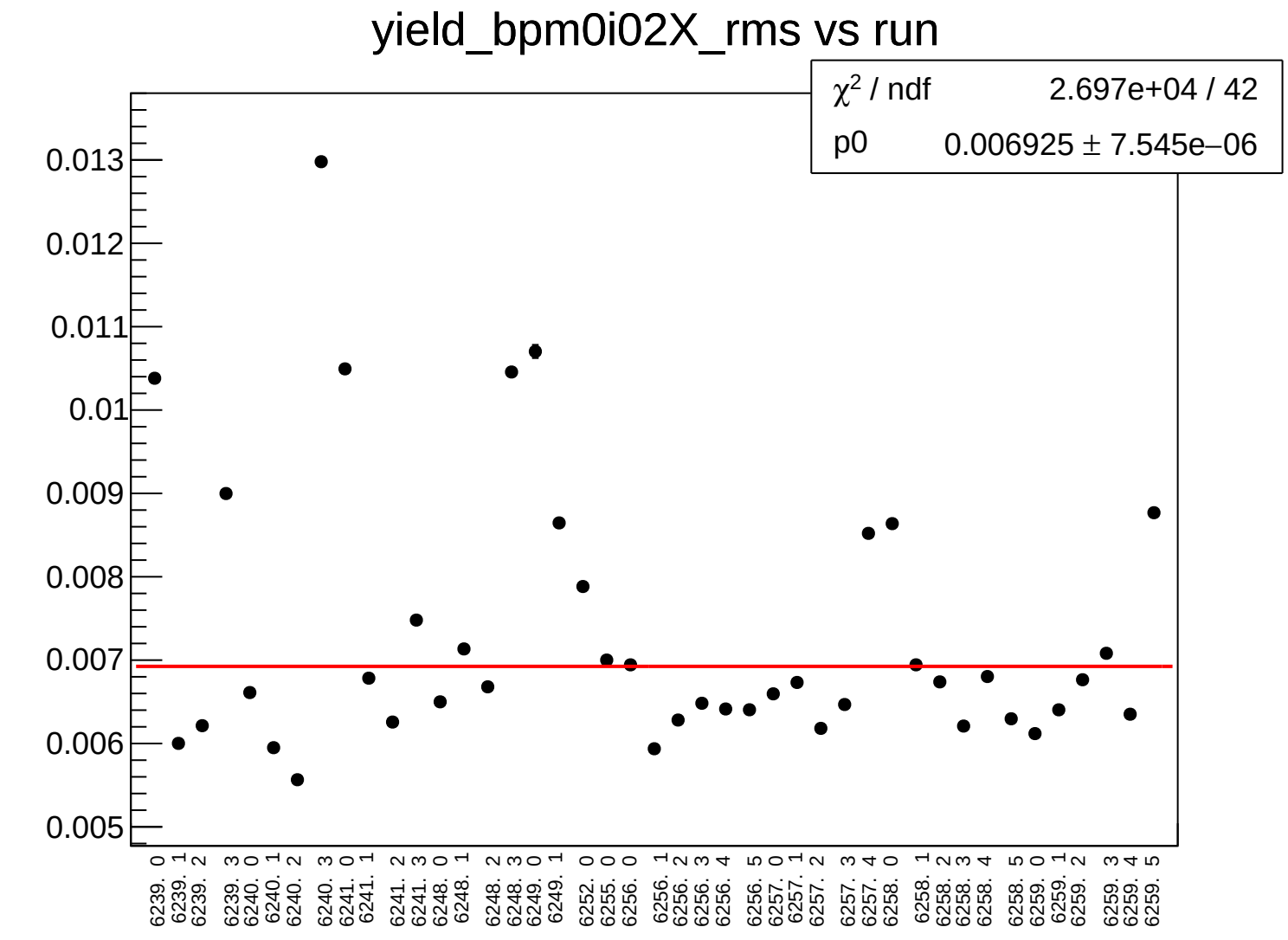

pull1D
Entries 43
Mean −0.5594
Std Dev 4.048
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

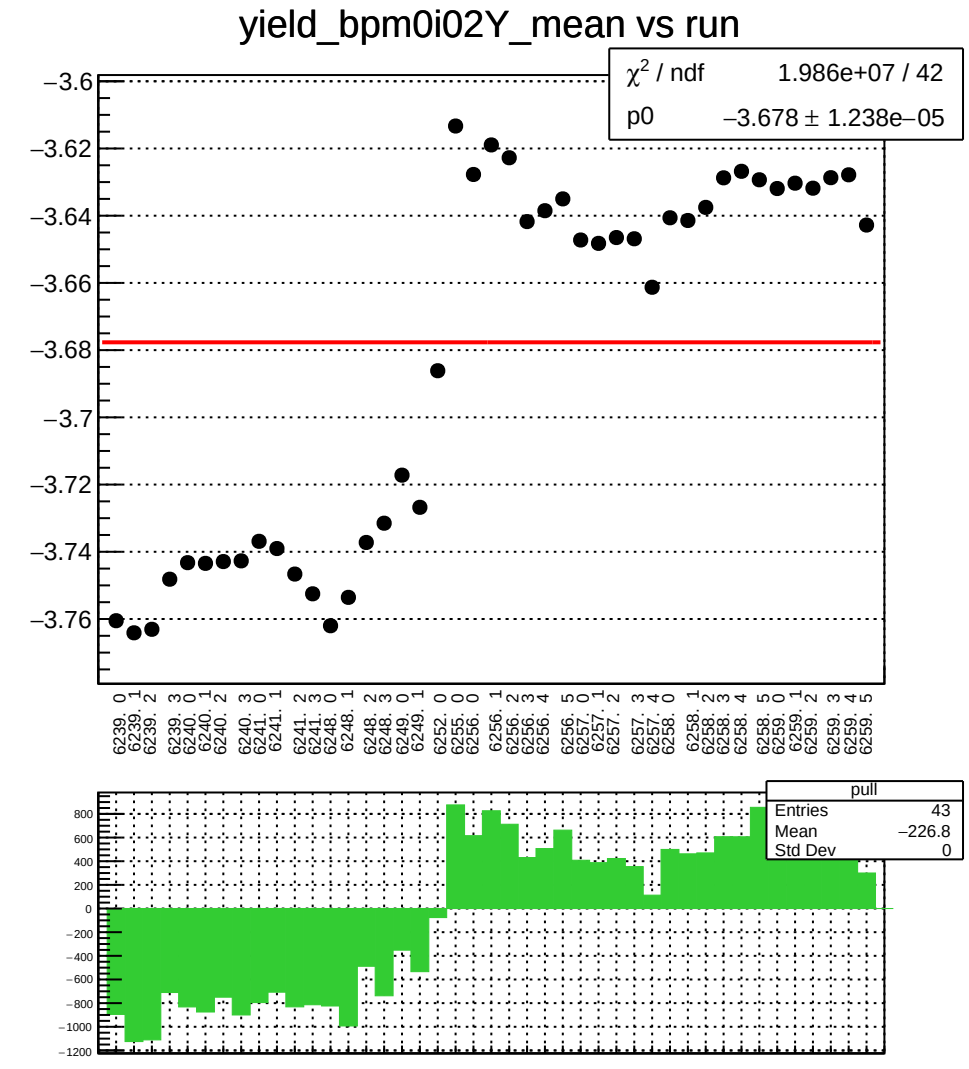

yield_bpm16X_rms vs run
χ² / ndf 2.158e+05 / 42
p0 0.01388 ± 1.716e–05
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

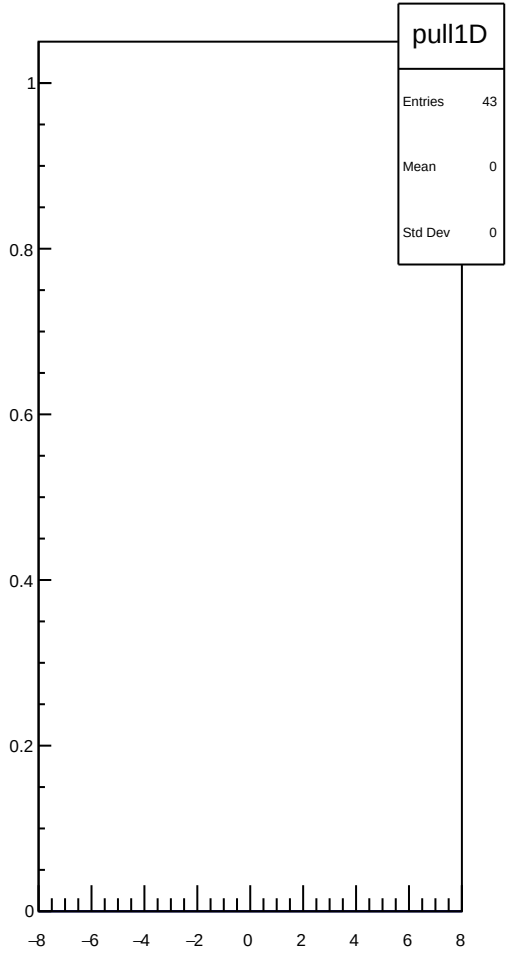

yield_bpm16Y_mean vs run
χ² / ndf 4.99e+04 / 42
p0 −0.2289 ± 8.241e−06
−0.2
−0.205
−0.21
−0.215
−0.22
−0.225
−0.23
−0.235
−0.24
−0.245
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −29.04
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 43
Mean 1.23
Std Dev 4.749
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

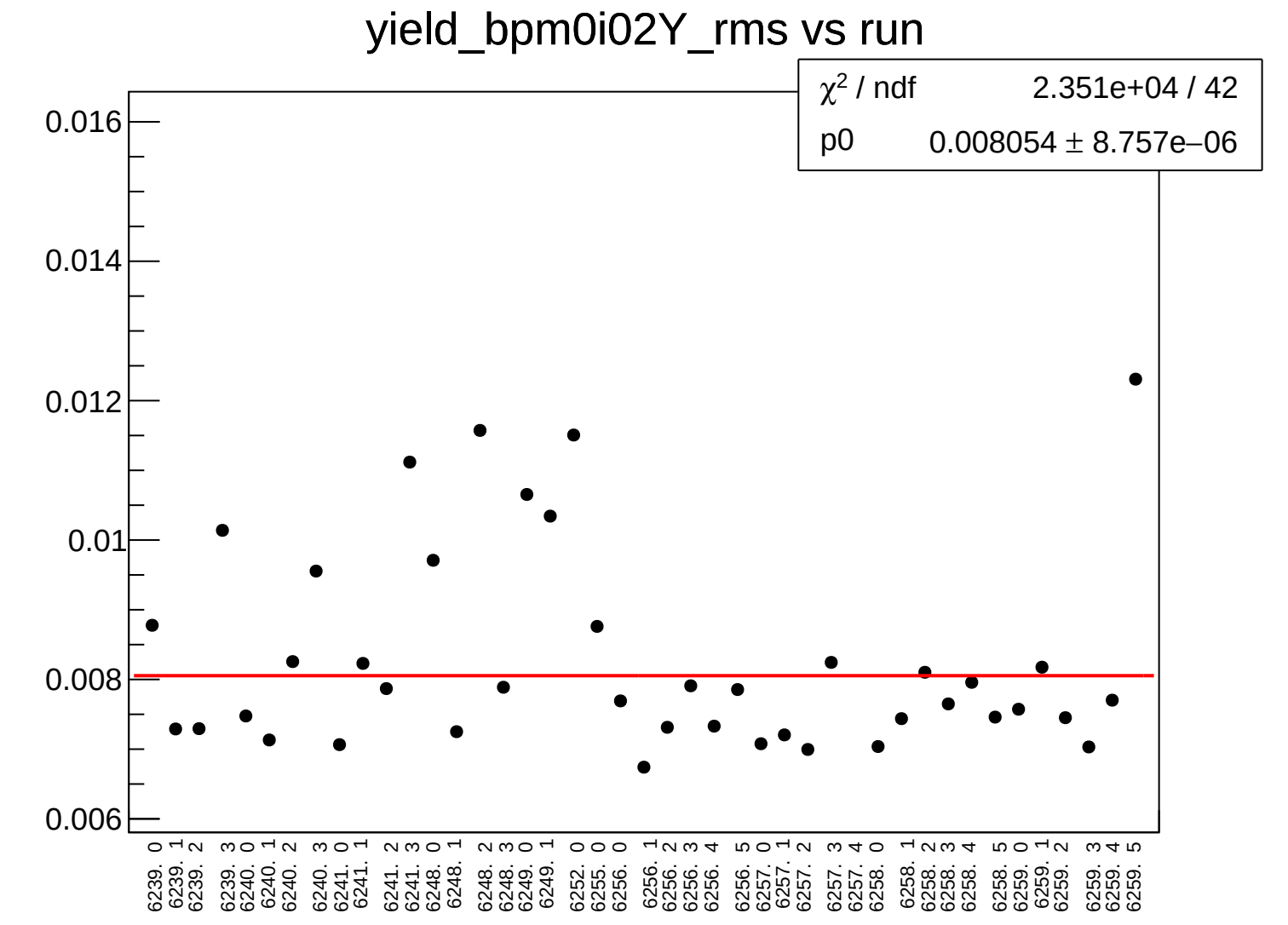

yield_bpm16Y_rms vs run
χ² / ndf 1.646e+05 / 42
p0 0.004892 ± 5.827e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

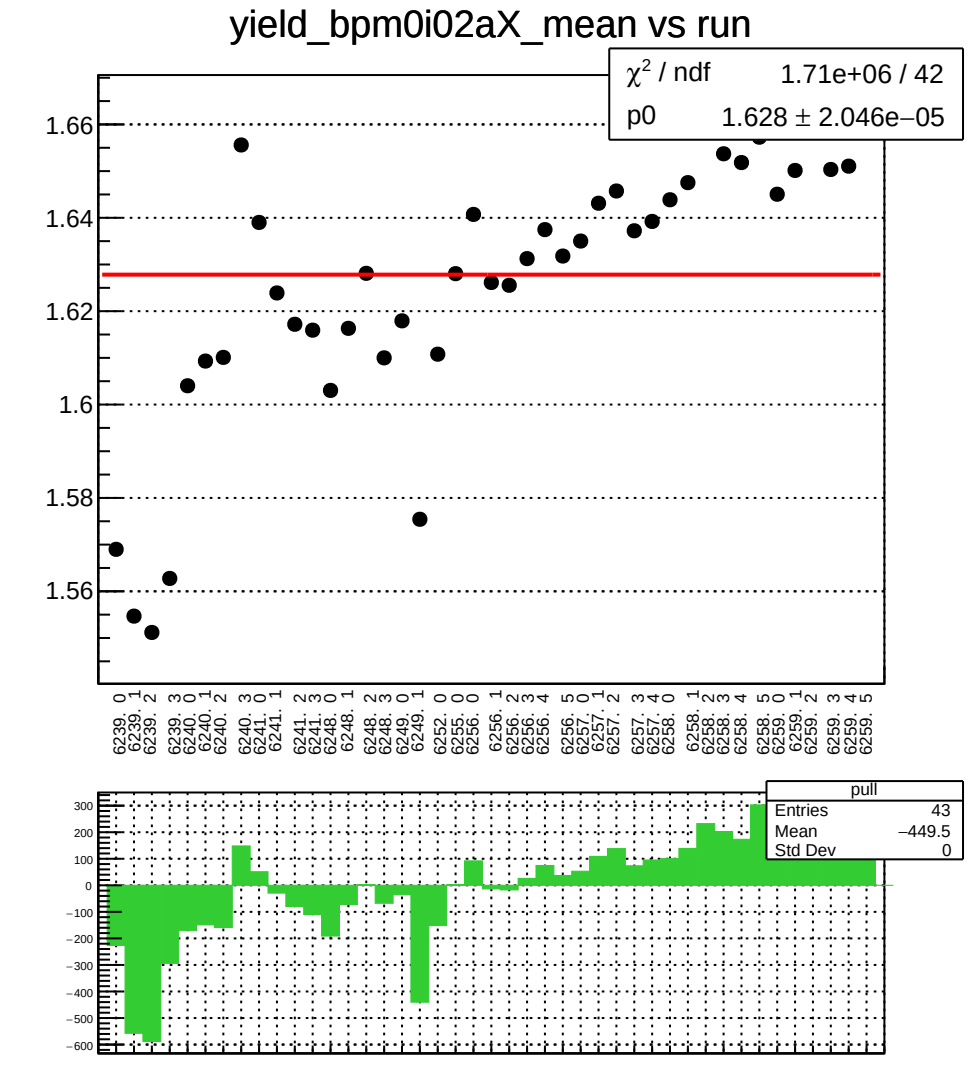

yield_bpm0i02X_mean vs run
χ² / ndf 6.4e+06 / 42
p0 −0.1694 ± 1.067e−05
−0.14
−0.16
−0.18
−0.2
−0.22
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −436.8
Std Dev 0
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

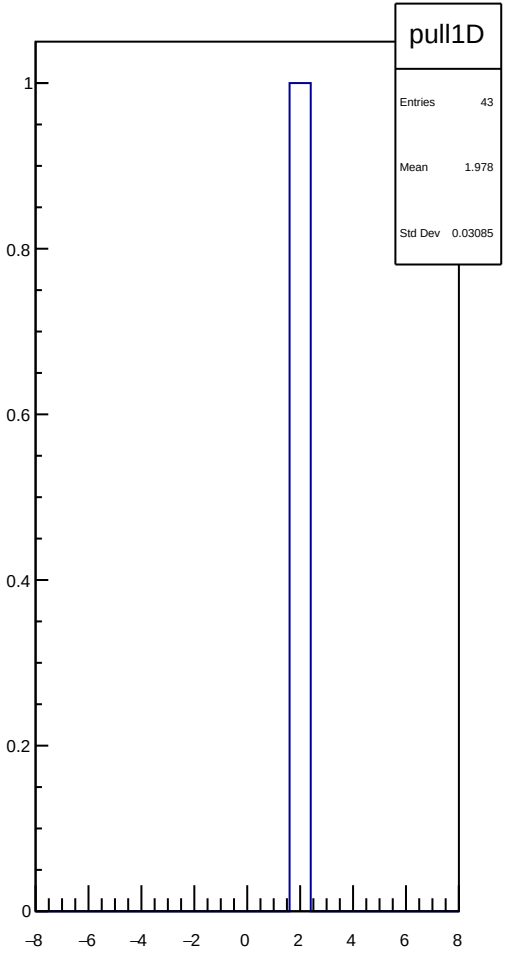

yield_bpm0i02X_rms vs run
χ² / ndf 2.697e+04 / 42
p0 0.006925 ± 7.545e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

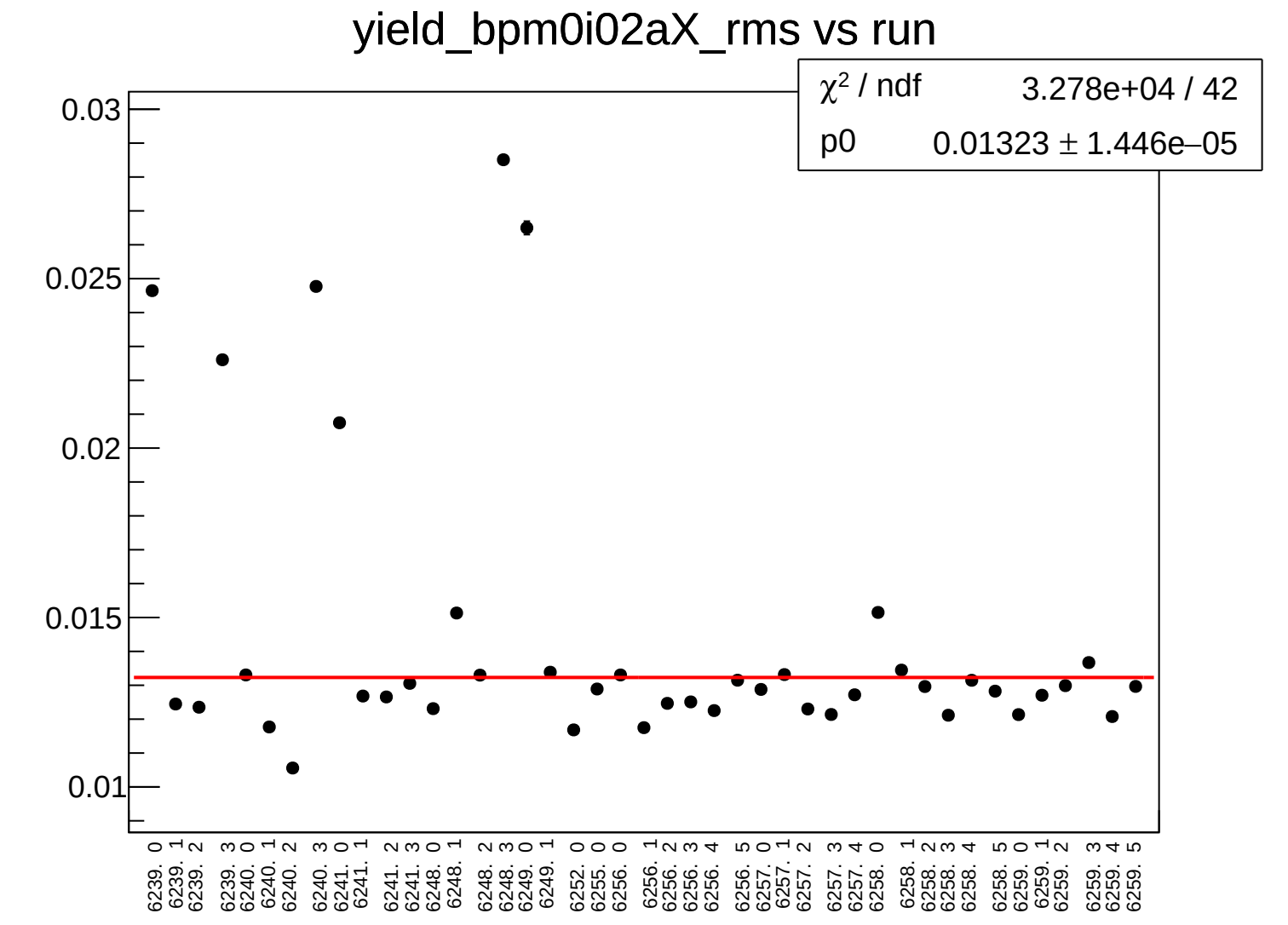

yield_bpm0i02Y_mean vs run
χ² / ndf 1.986e+07 / 42
p0 −3.678 ± 1.238e−05
−3.6
−3.62
−3.64
−3.66
−3.68
−3.7
−3.72
−3.74
−3.76
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −226.8
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

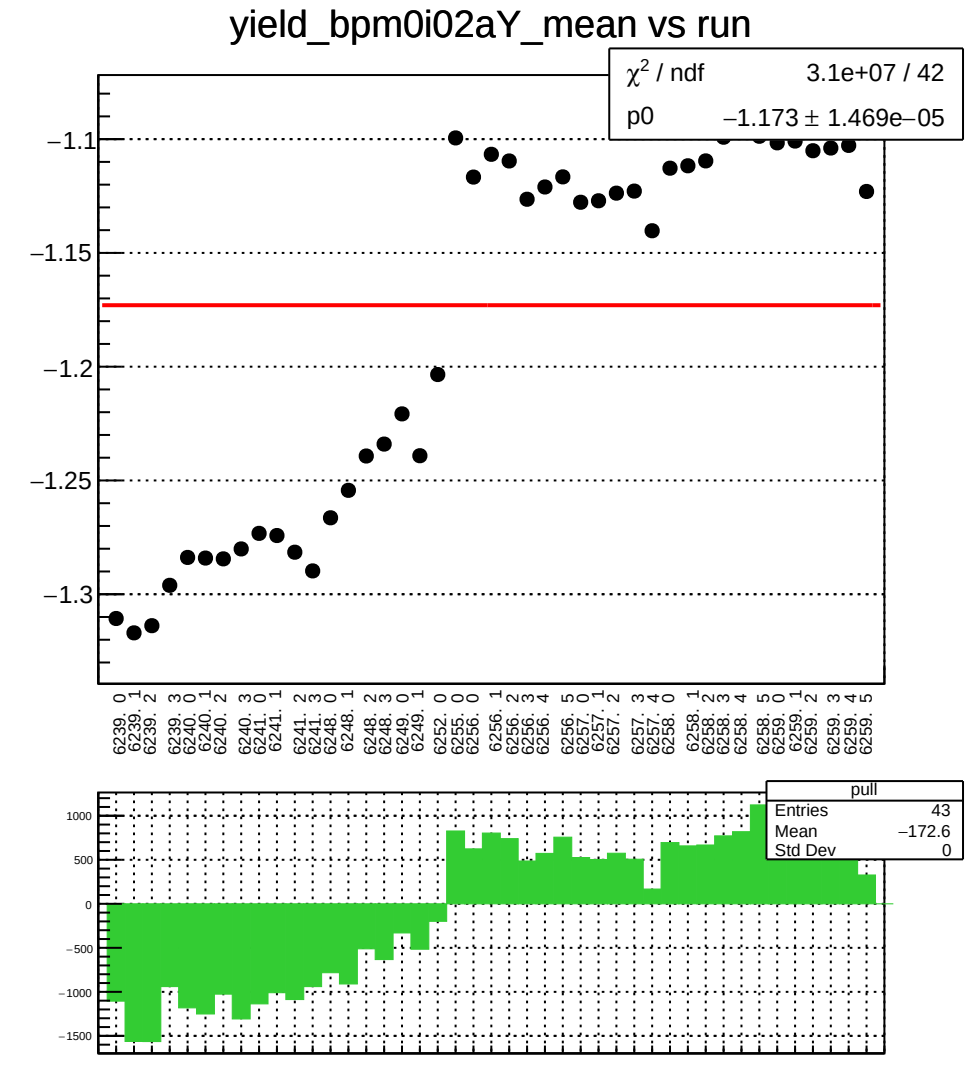

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

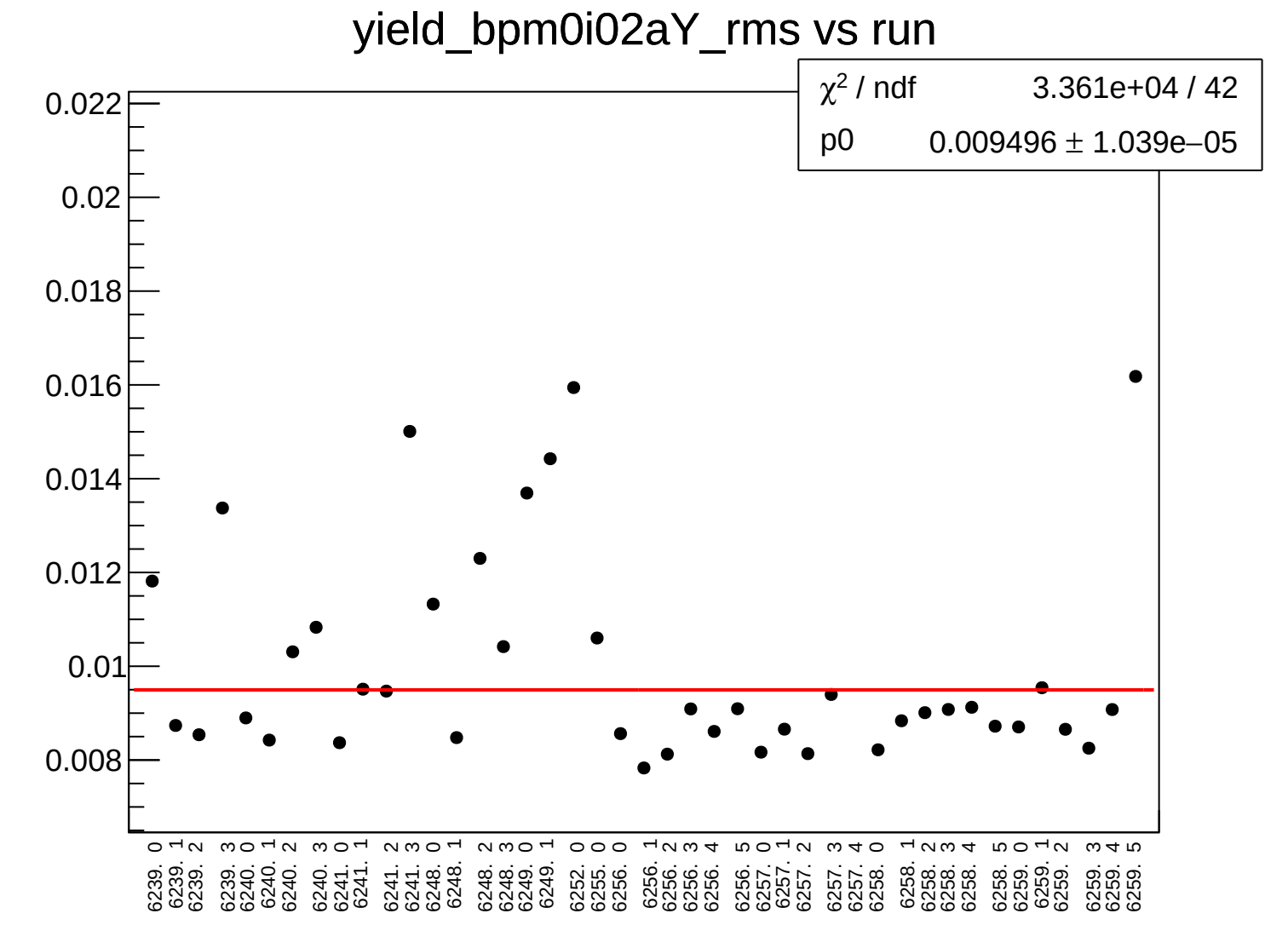

yield_bpm0i02Y_rms vs run
χ² / ndf 2.351e+04 / 42
p0 0.008054 ± 8.757e−06
0.016
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

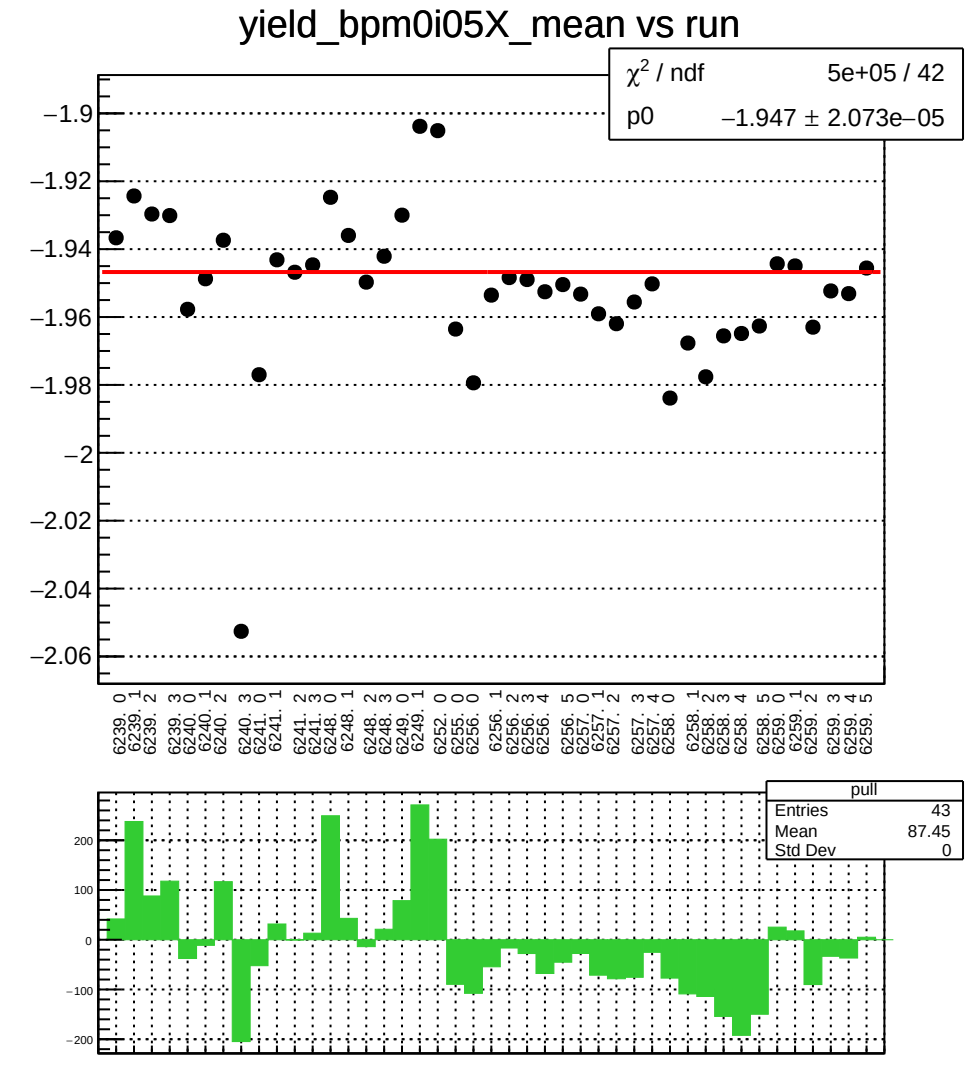

yield_bpm0i02aX_mean vs run
χ² / ndf 1.71e+06 / 42
p0 1.628 ± 2.046e−05
1.66
1.64
1.62
1.6
1.58
1.56
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −449.5
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600

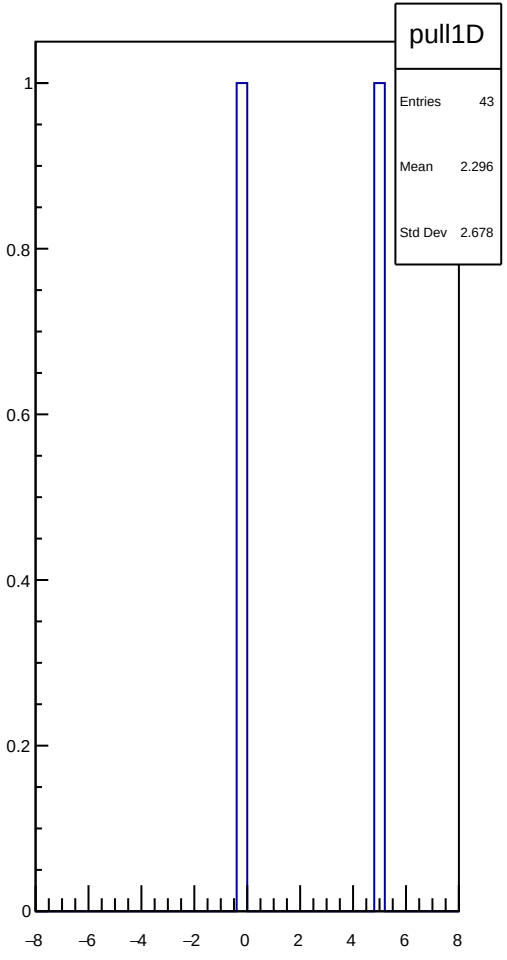

pull1D
Entries 43
Mean 1.978
Std Dev 0.03085
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

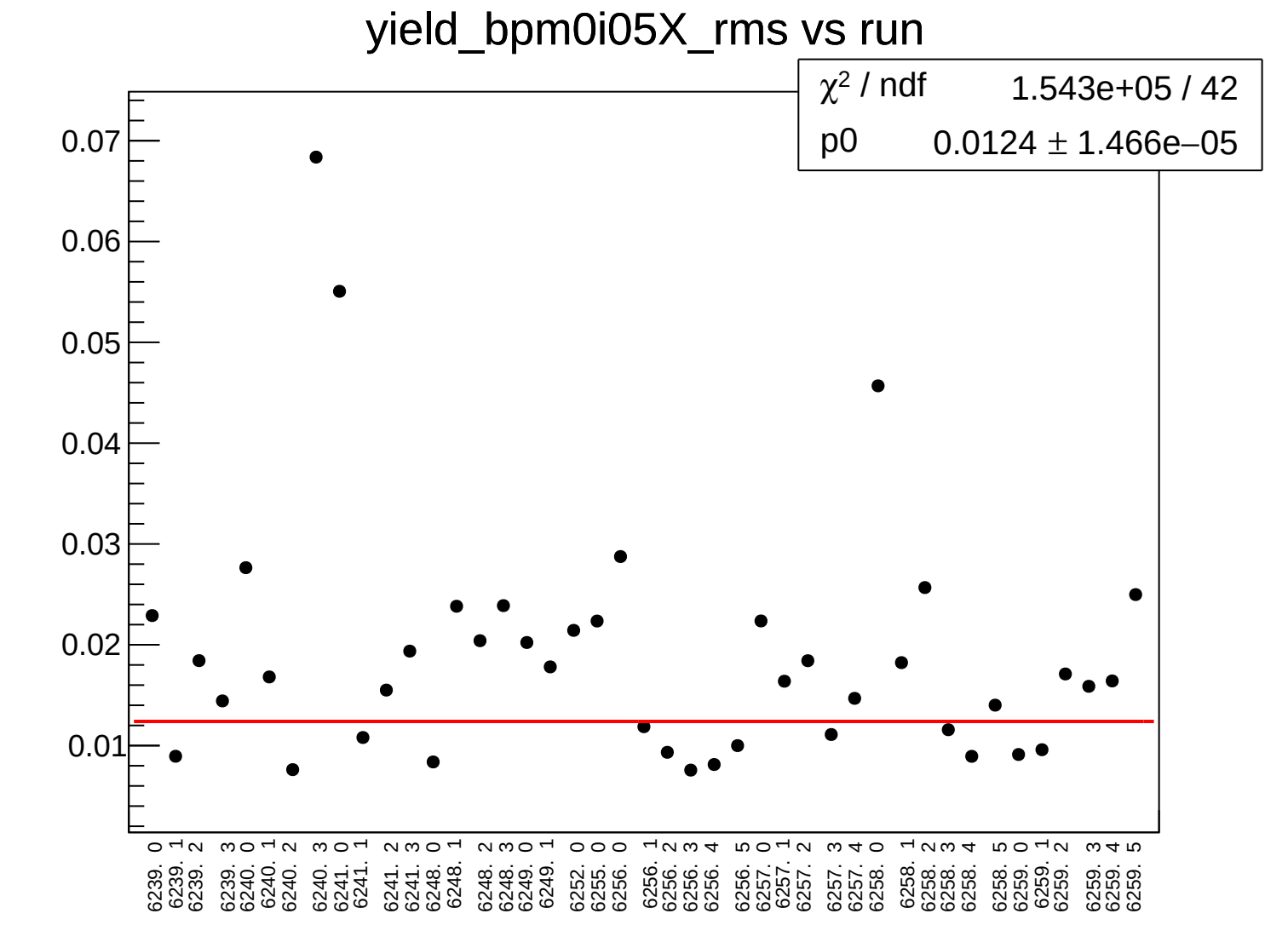

yield_bpm0i02aX_rms vs run
χ² / ndf 3.278e+04 / 42
p0 0.01323 ± 1.446e−05
0.03
0.025
0.02
0.015
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

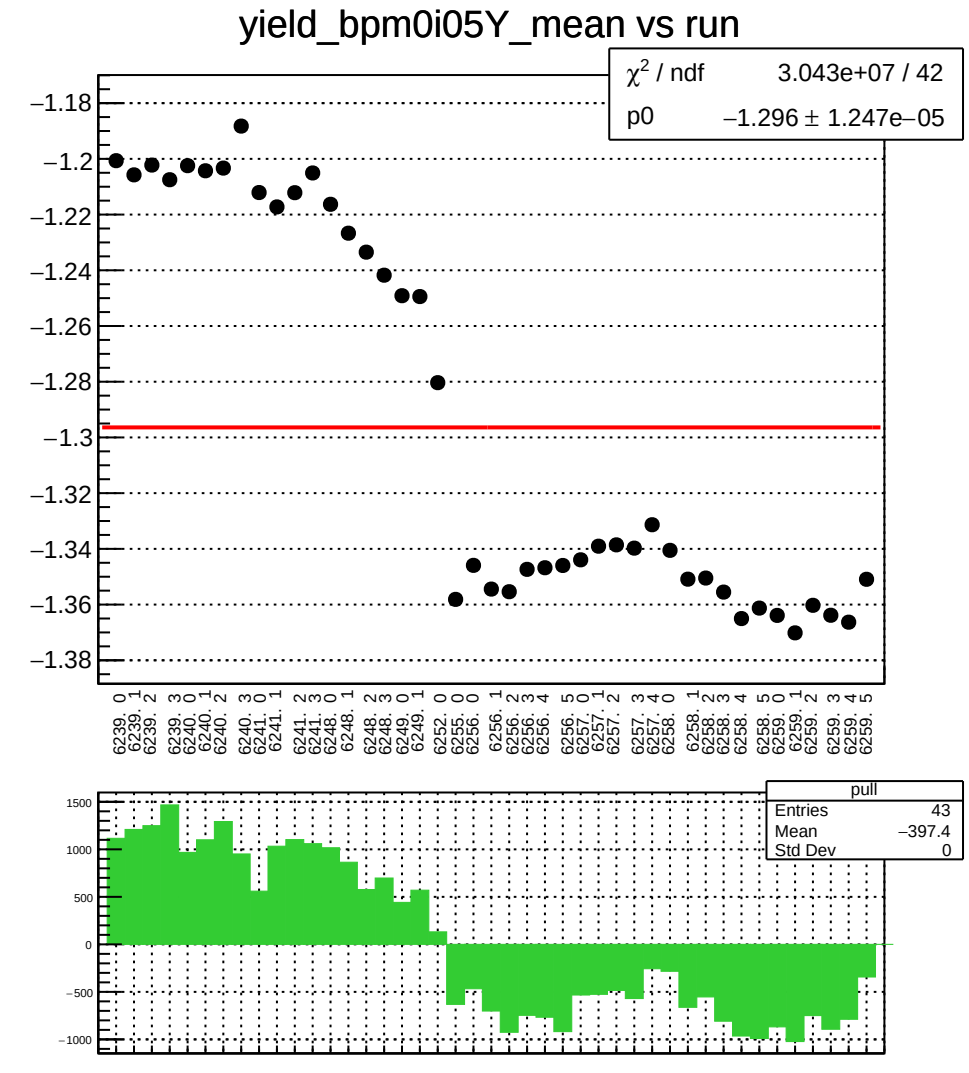

yield_bpm0i02aY_mean vs run
χ² / ndf 3.1e+07 / 42
p0 −1.173 ± 1.469e−05
−1.1
−1.15
−1.2
−1.25
−1.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −172.6
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

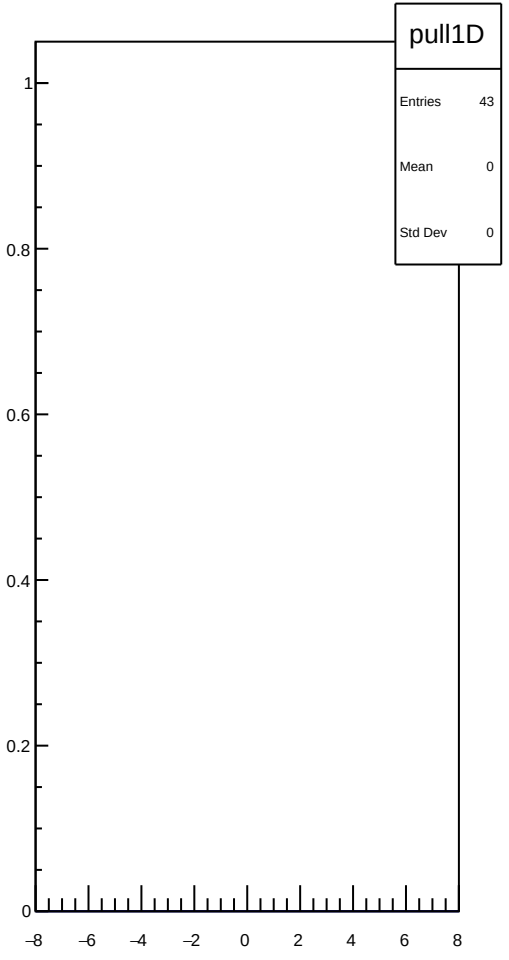

yield_bpm0i02aY_rms vs run
χ² / ndf 3.361e+04 / 42
p0 0.009496 ± 1.039e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

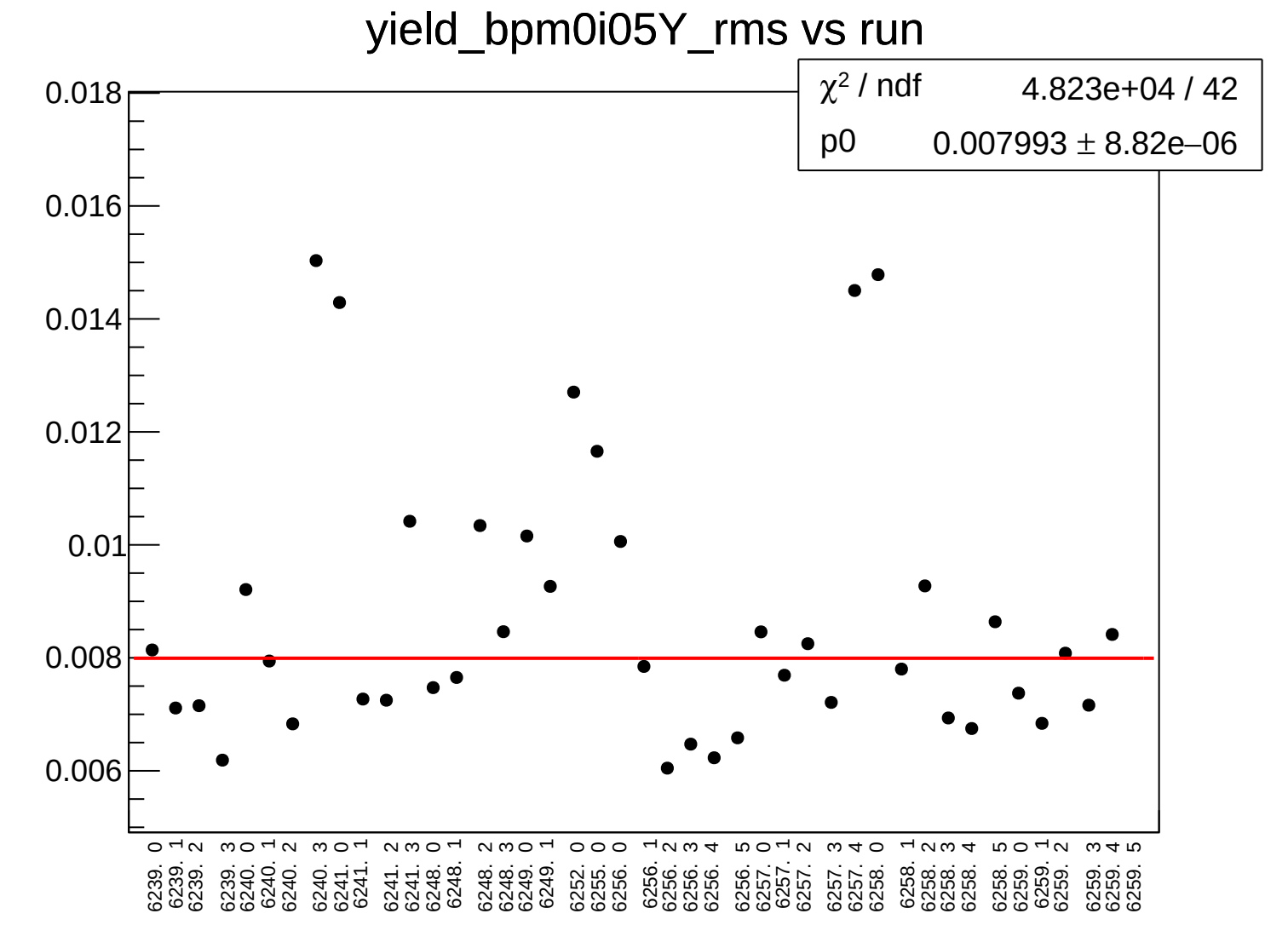

yield_bpm0i05X_mean vs run
χ² / ndf 5e+05 / 42
p0 −1.947 ± 2.073e−05
−1.9
−1.92
−1.94
−1.96
−1.98
−2
−2.02
−2.04
−2.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.45
Std Dev 0
200
100
0
−100
−200

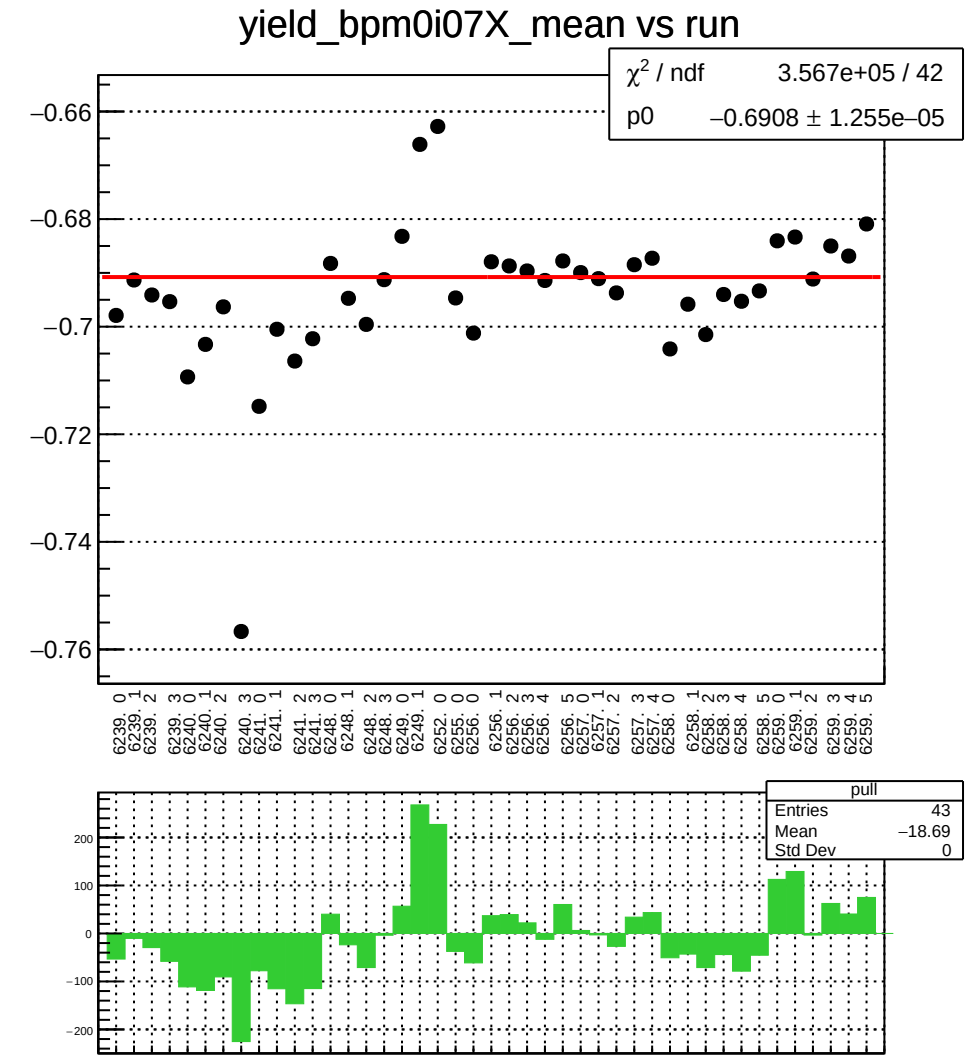

pull1D
Entries 43
Mean 2.296
Std Dev 2.678
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

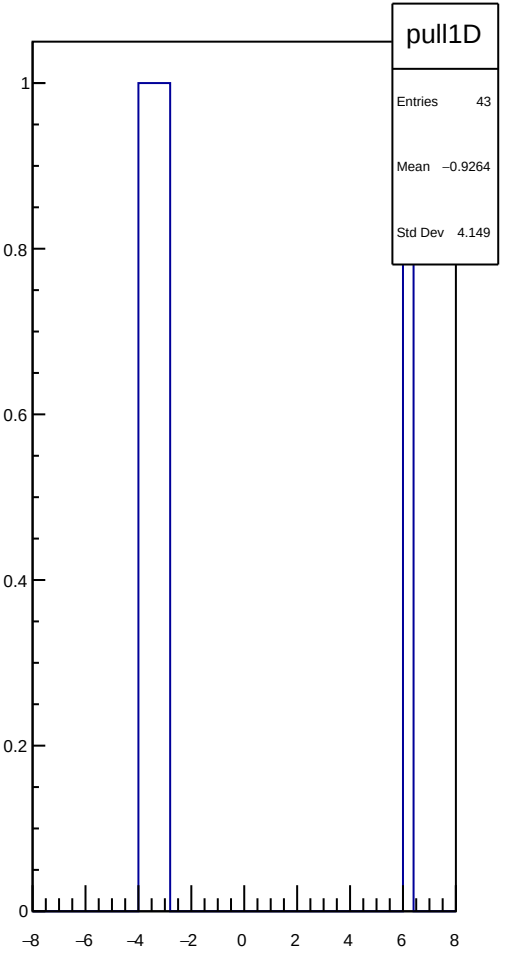

yield_bpm0i05X_rms vs run
χ² / ndf 1.543e+05 / 42
p0 0.0124 ± 1.466e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

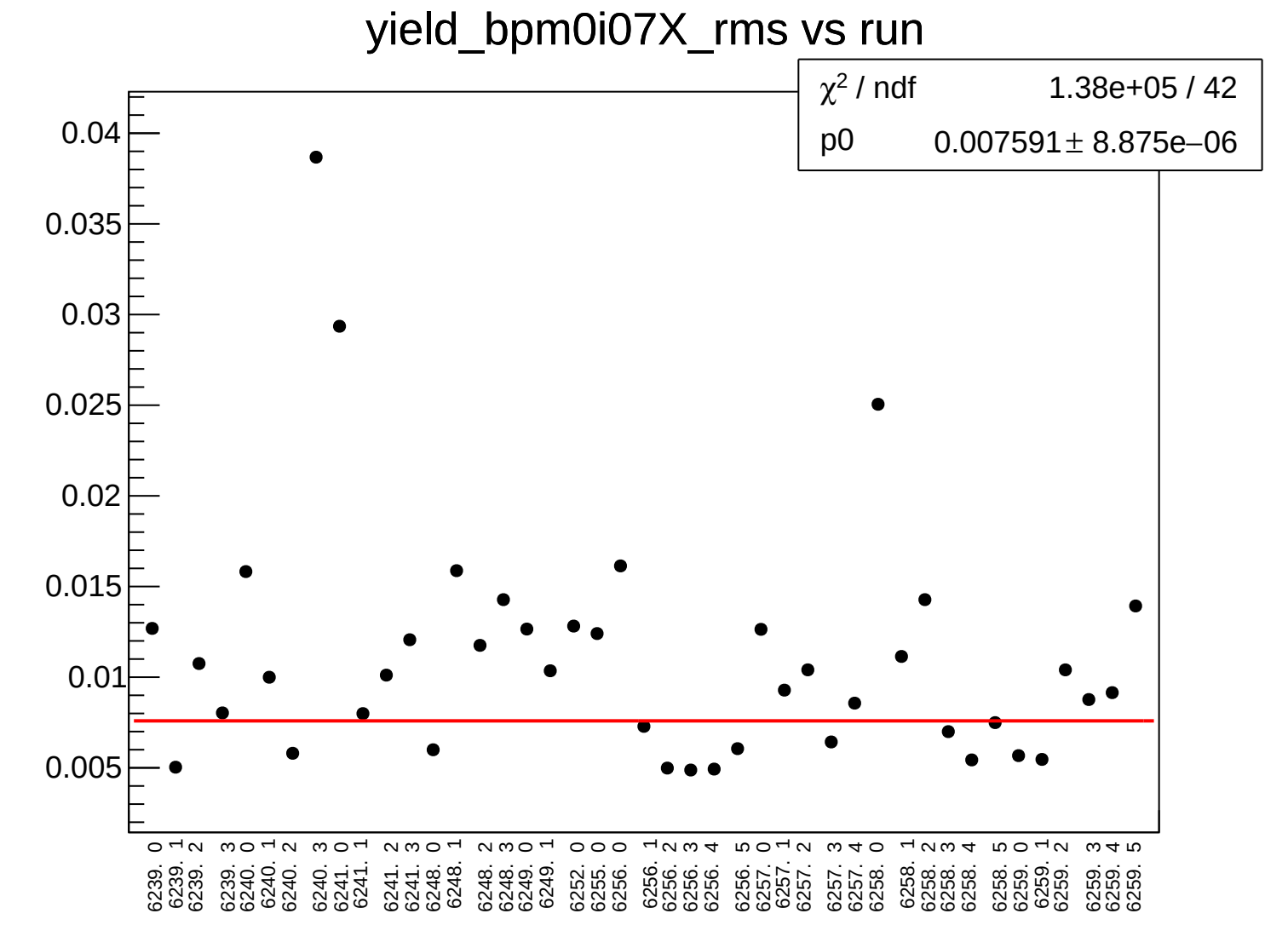

yield_bpm0i05Y_mean vs run
χ² / ndf 3.043e+07 / 42
p0 −1.296 ± 1.247e−05
−1.18
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
−1.32
−1.34
−1.36
−1.38
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −397.4
Std Dev 0
1500
1000
500
0
−500
−1000

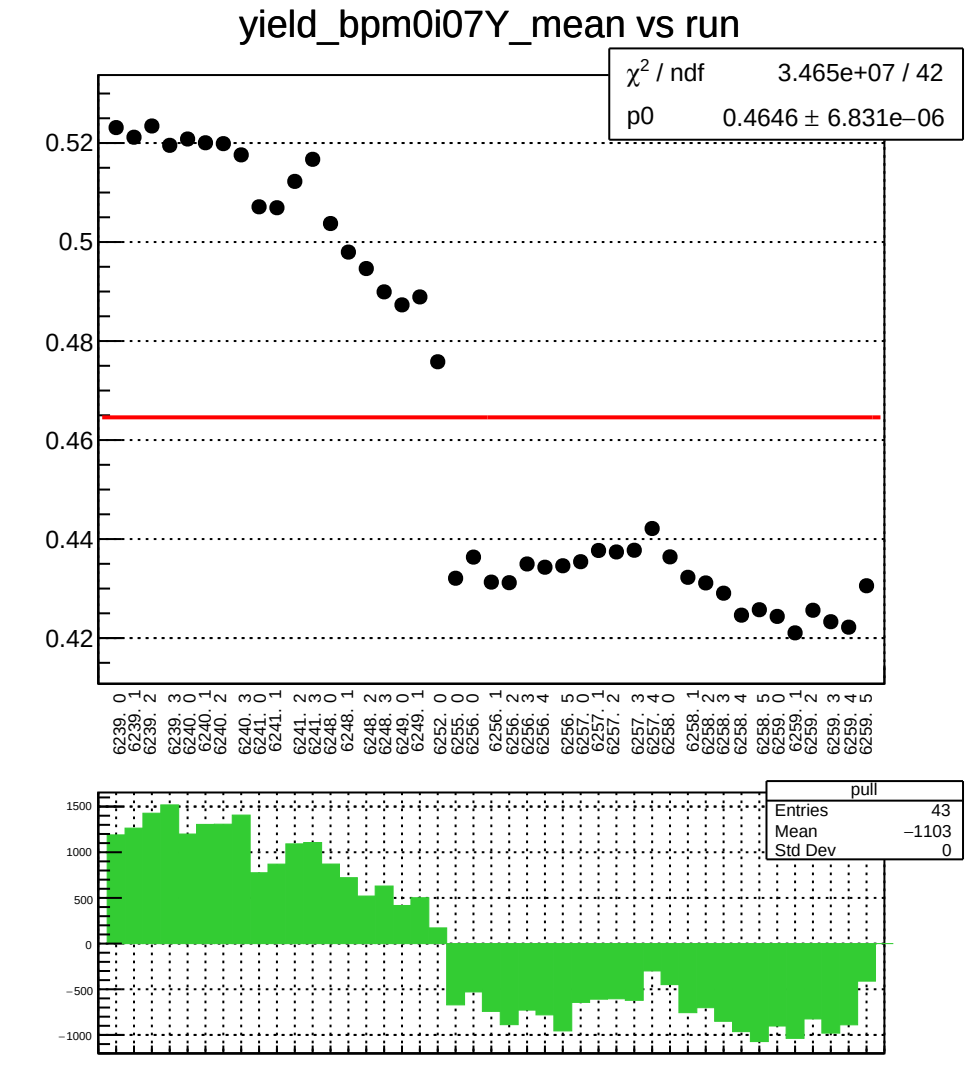

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

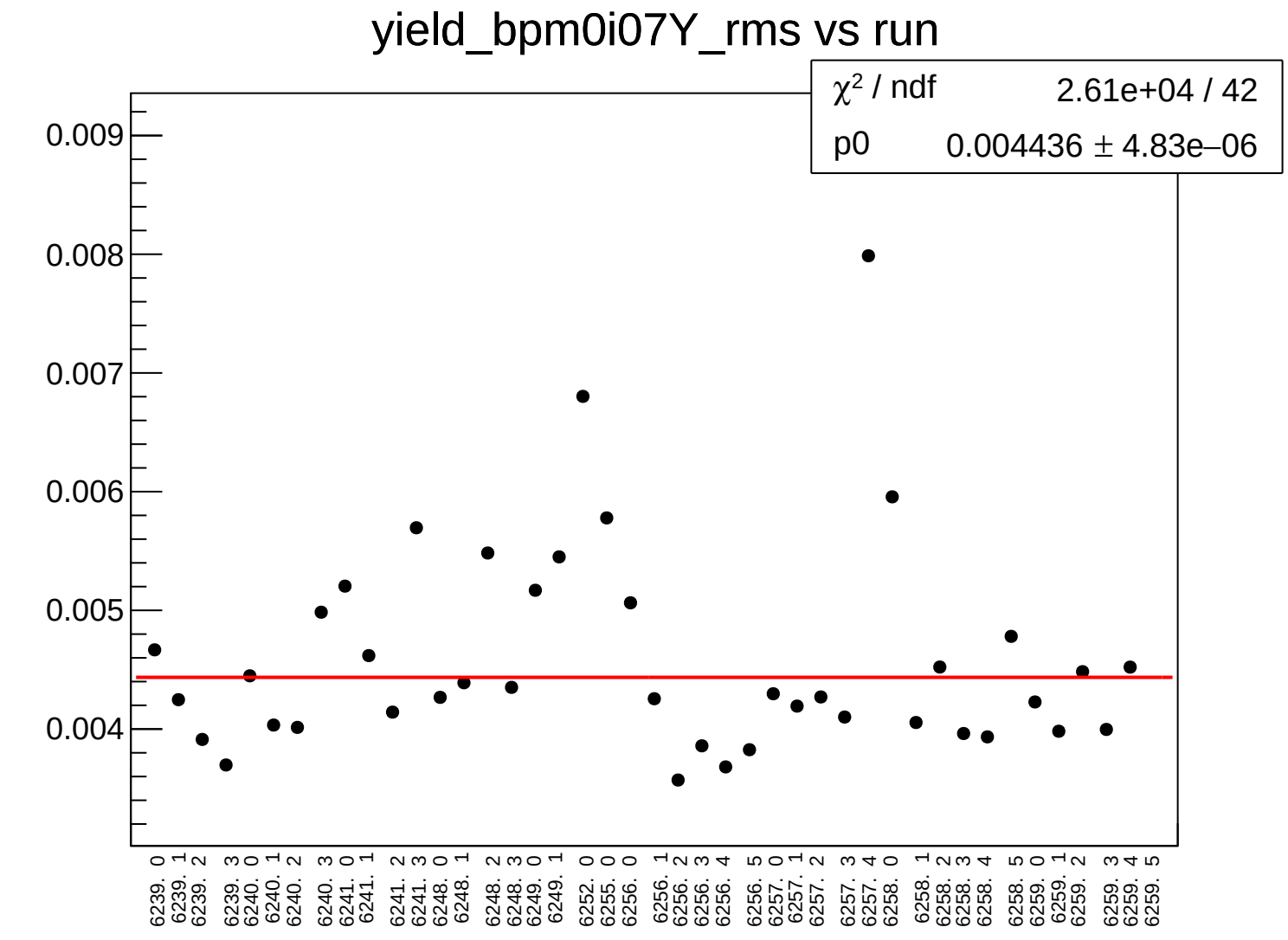

yield_bpm0i05Y_rms vs run
χ² / ndf 4.823e+04 / 42
p0 0.007993 ± 8.82e–06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

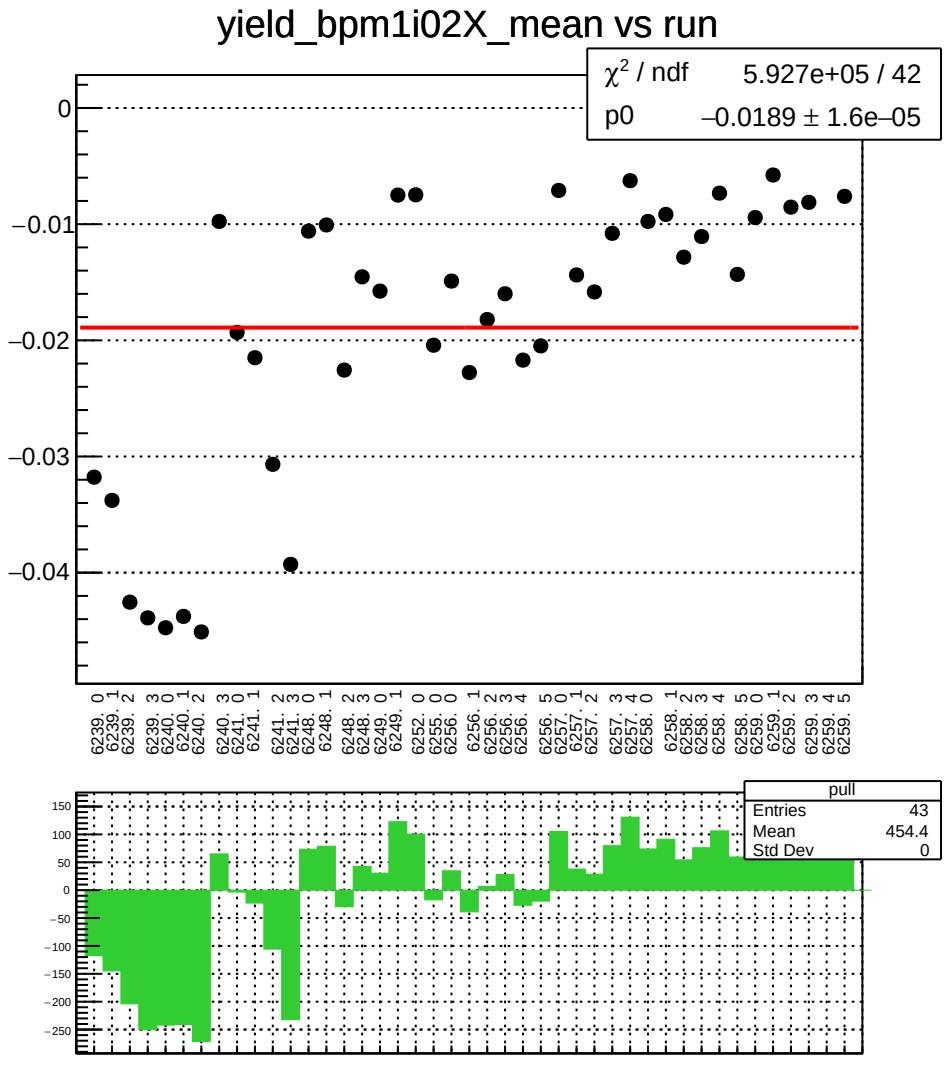

yield_bpm0i07X_mean vs run
χ² / ndf 3.567e+05 / 42
p0 −0.6908 ± 1.255e−05
−0.66
−0.68
−0.7
−0.72
−0.74
−0.76
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −18.69
Std Dev 0
200
100
0
−100
−200

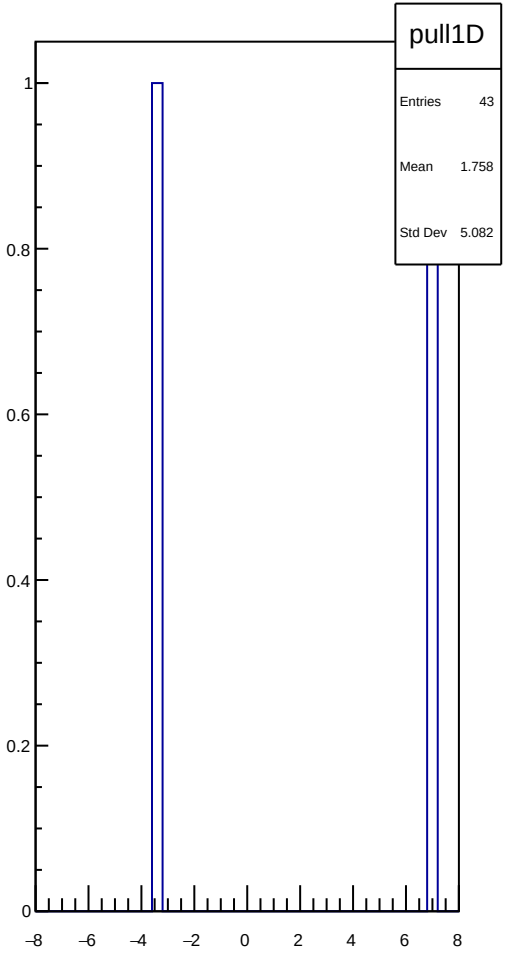

pull1D
Entries 43
Mean −0.9264
Std Dev 4.149
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

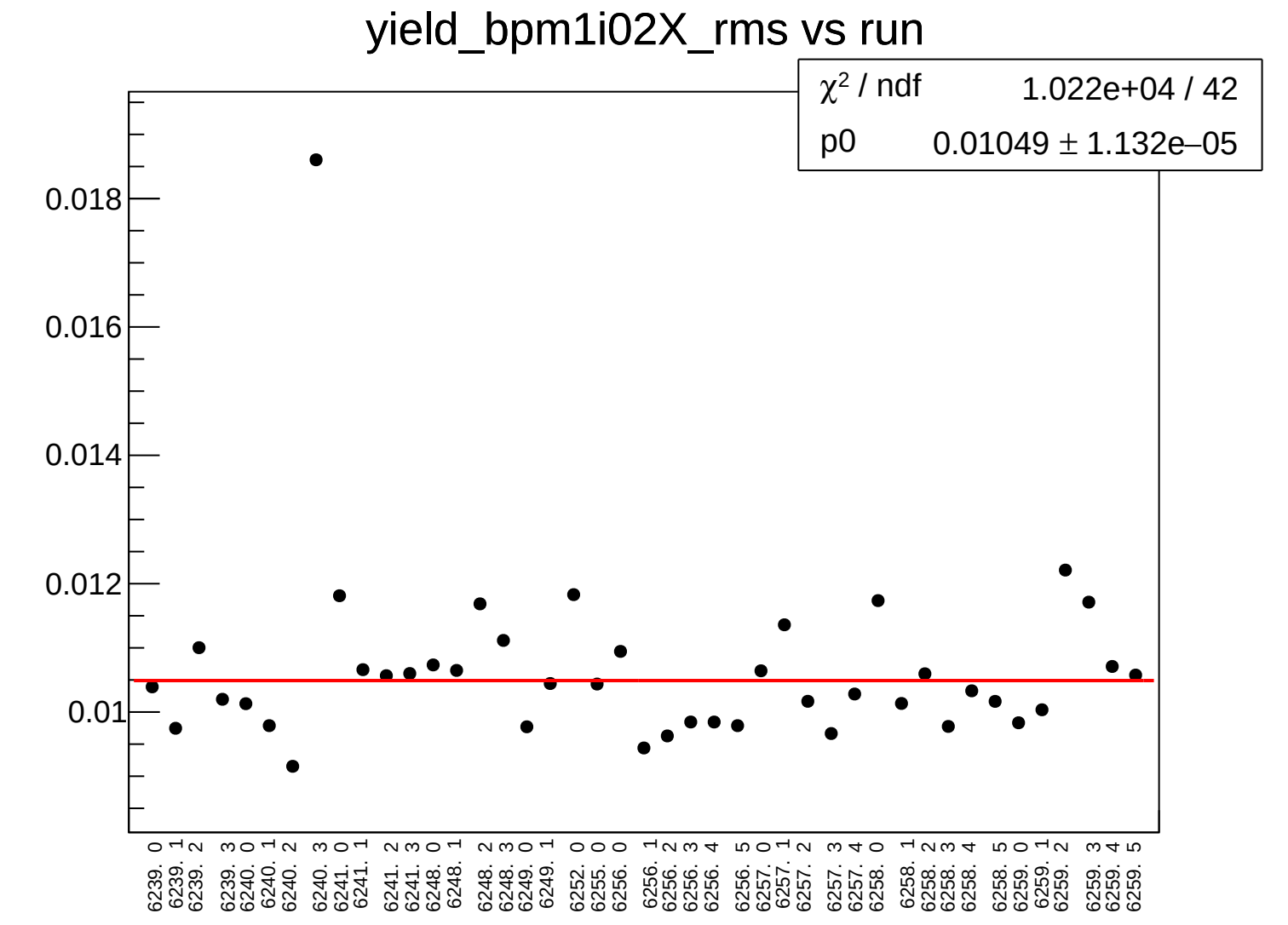

yield_bpm0i07X_rms vs run
χ² / ndf 1.38e+05 / 42
p0 0.007591 ± 8.875e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

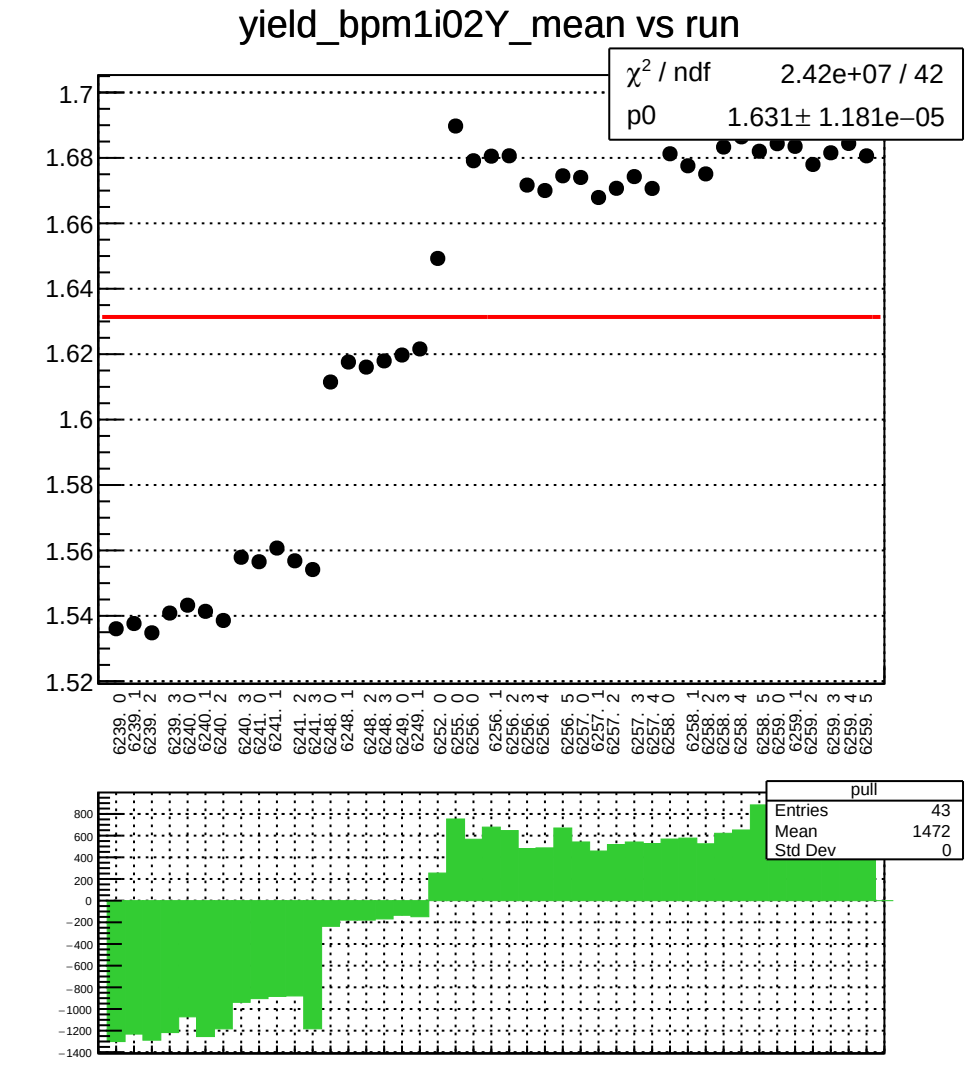

yield_bpm0i07Y_mean vs run
χ² / ndf 3.465e+07 / 42
p0 0.4646 ± 6.831e−06
0.52
0.5
0.48
0.46
0.44
0.42
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1103
Std Dev 0
1500
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

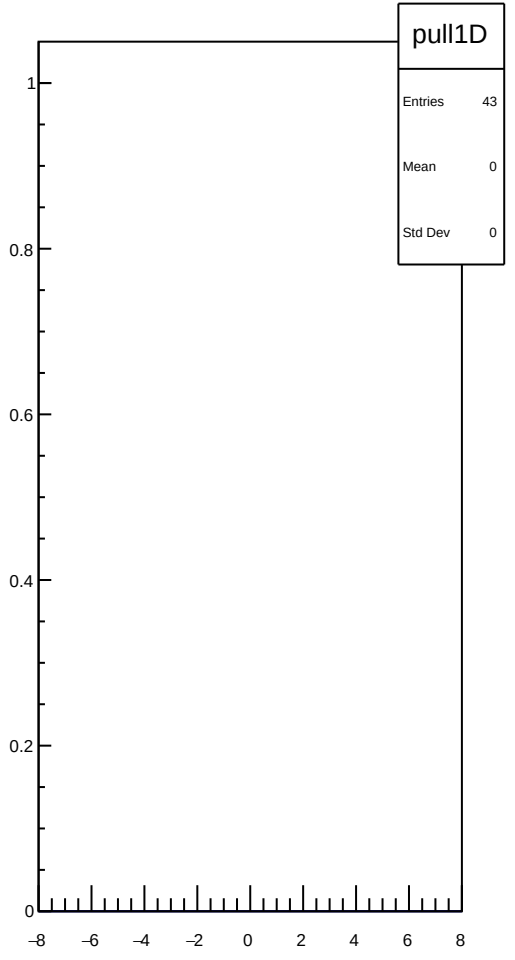

yield_bpm0i07Y_rms vs run
χ² / ndf 2.61e+04 / 42
p0 0.004436 ± 4.83e−06
0.009
0.008
0.007
0.006
0.005
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

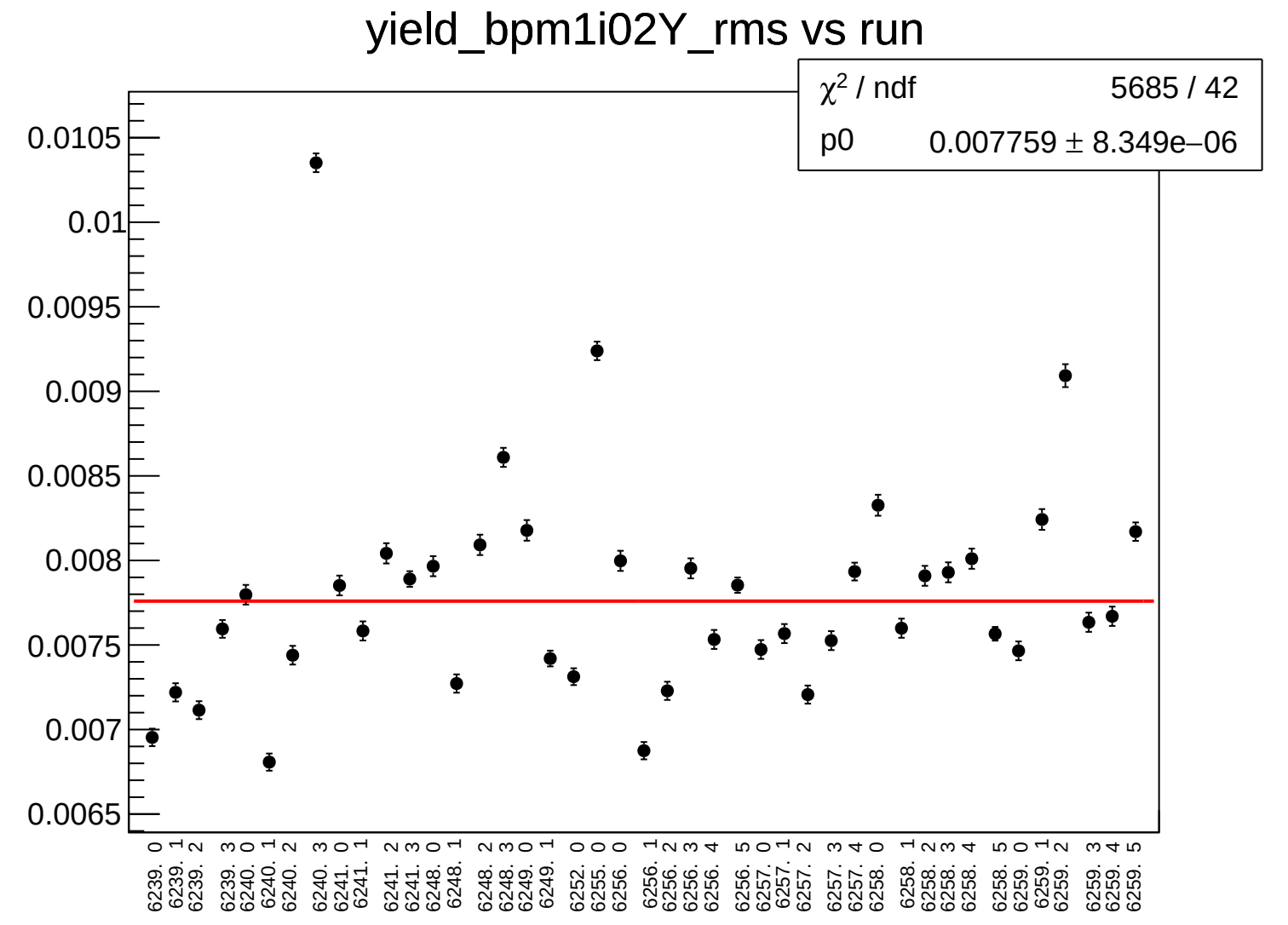

yield_bpm1i02X_mean vs run
χ² / ndf 5.927e+05 / 42
p0 –0.0189 ± 1.6e–05
0
–0.01
–0.02
–0.03
–0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 454.4
Std Dev 0
150
100
50
0
–50
–100
–150
–200
–250

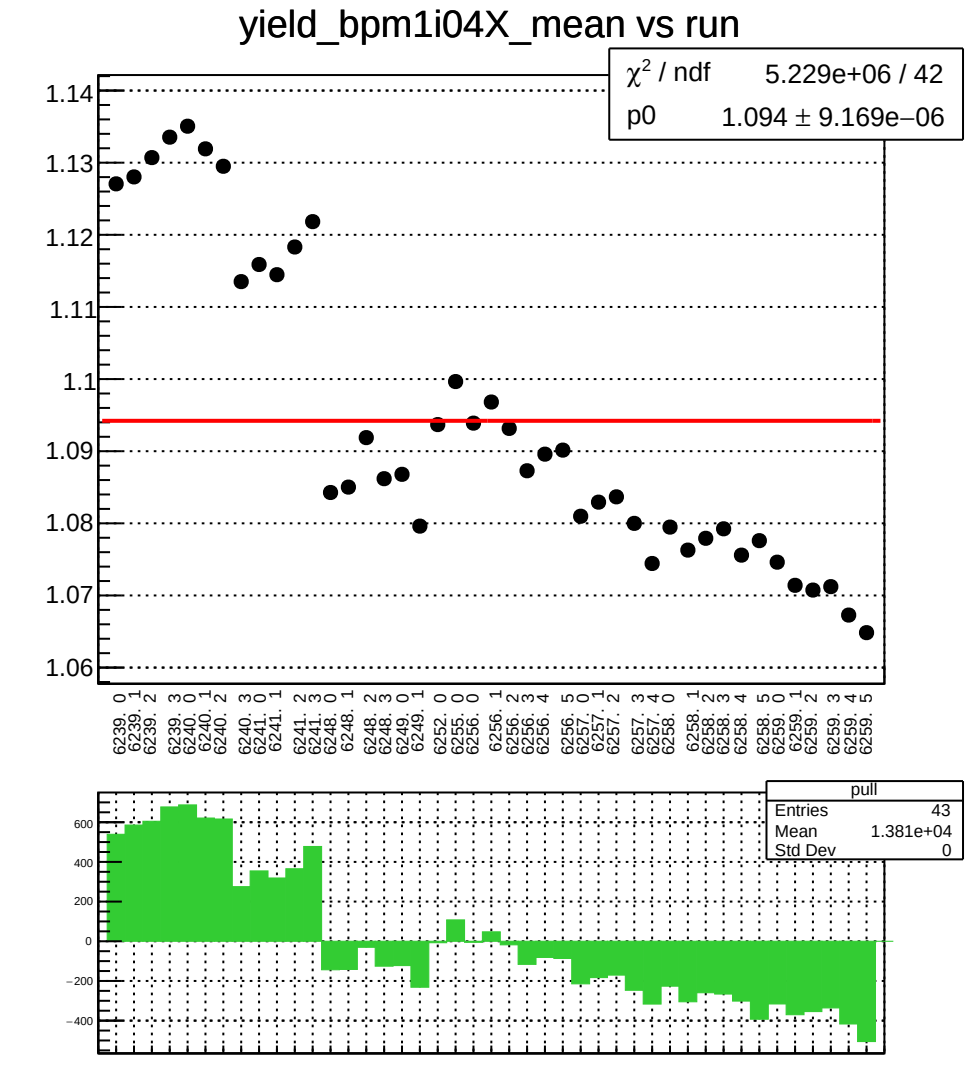

pull1D
Entries 43
Mean 1.758
Std Dev 5.082
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

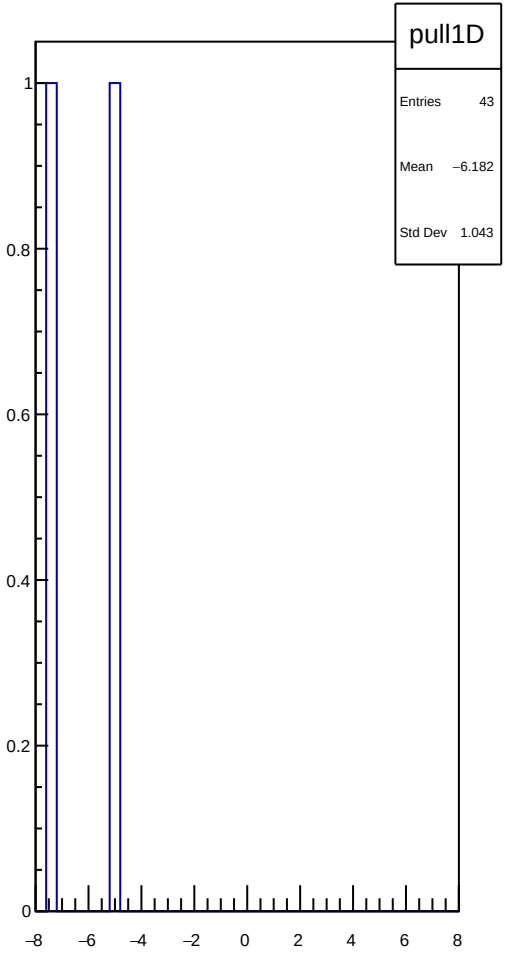

yield_bpm1i02X_rms vs run
χ² / ndf 1.022e+04 / 42
p0 0.01049 ± 1.132e–05
0.018
0.016
0.014
0.012
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

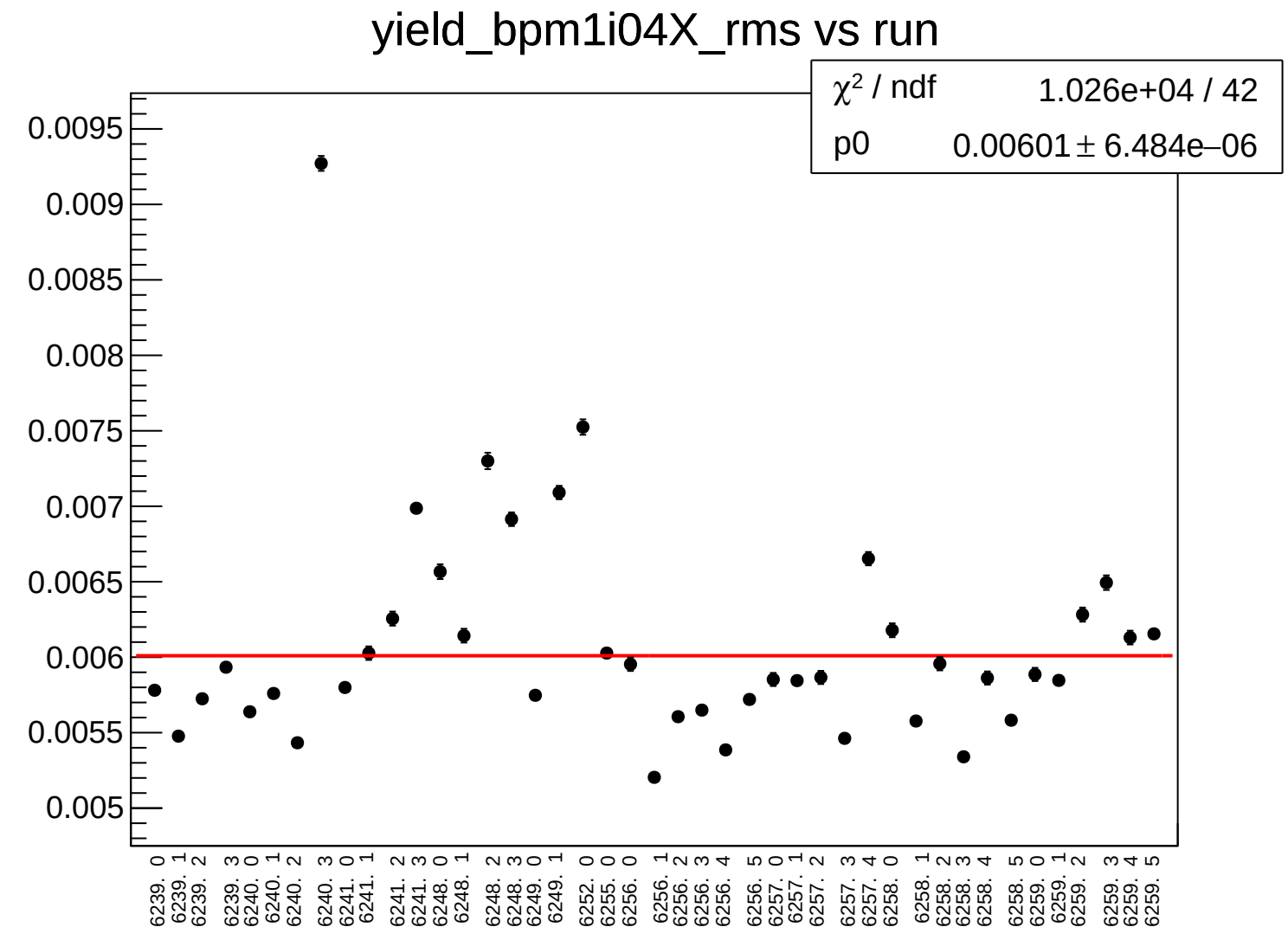

yield_bpm1i02Y_mean vs run
χ² / ndf 2.42e+07 / 42
p0 1.631± 1.181e−05
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1472
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

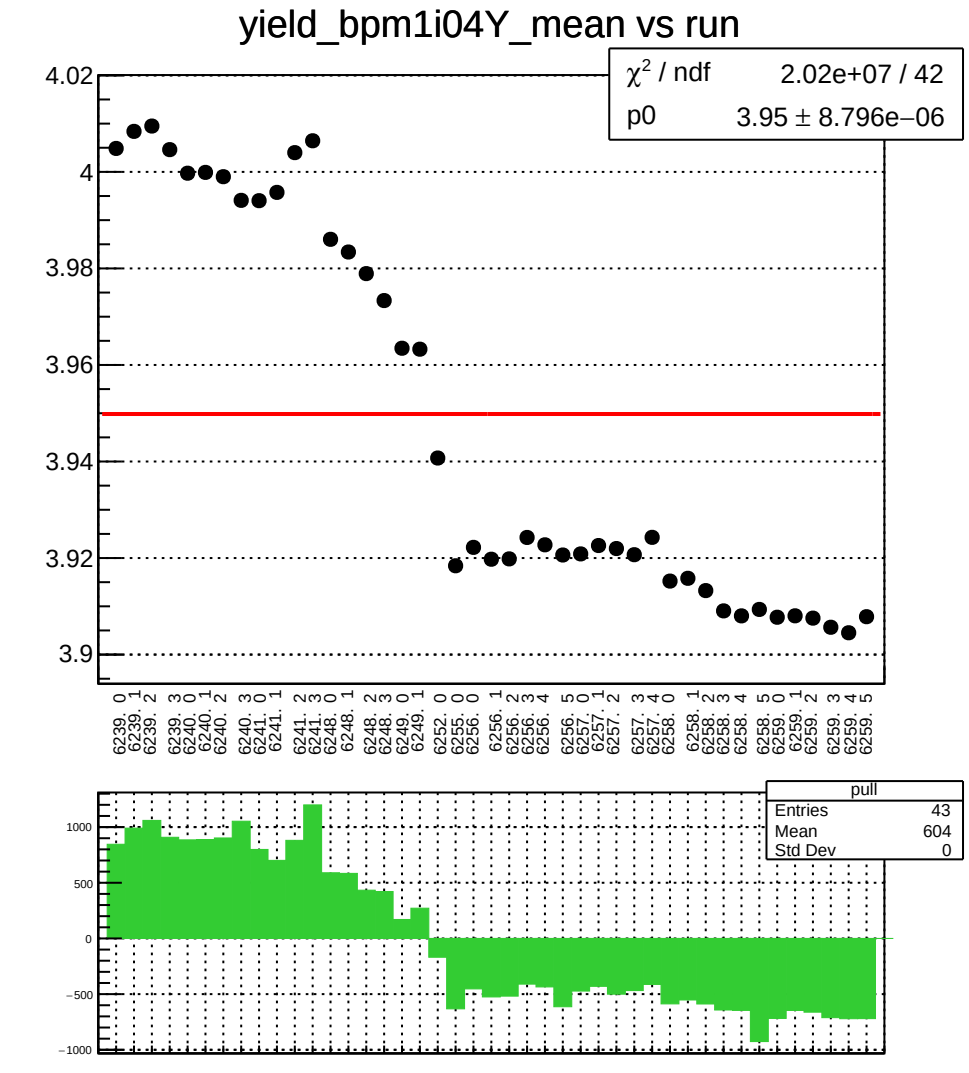

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

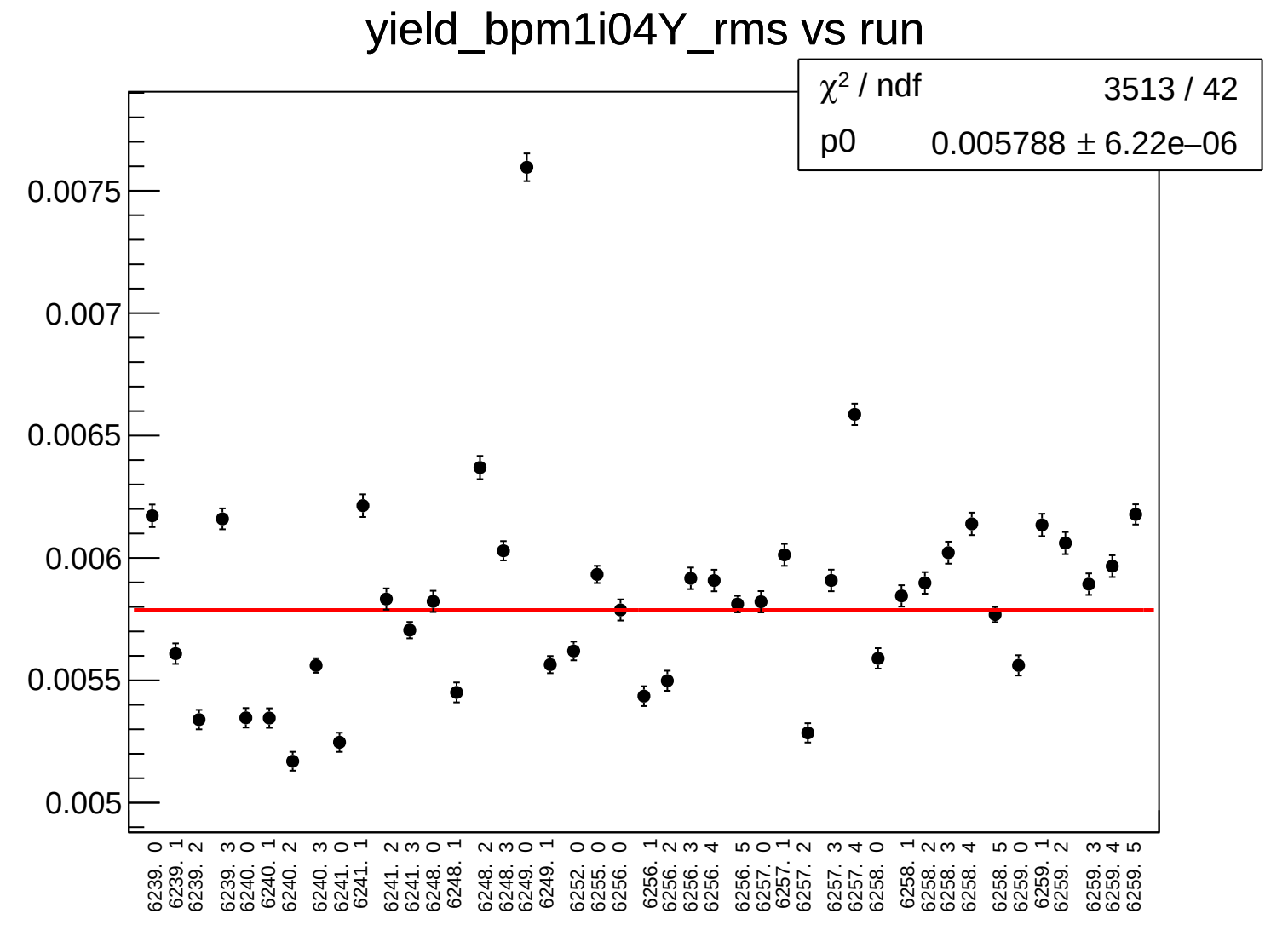

yield_bpm1i02Y_rms vs run
χ² / ndf 5685 / 42
p0 0.007759 ± 8.349e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

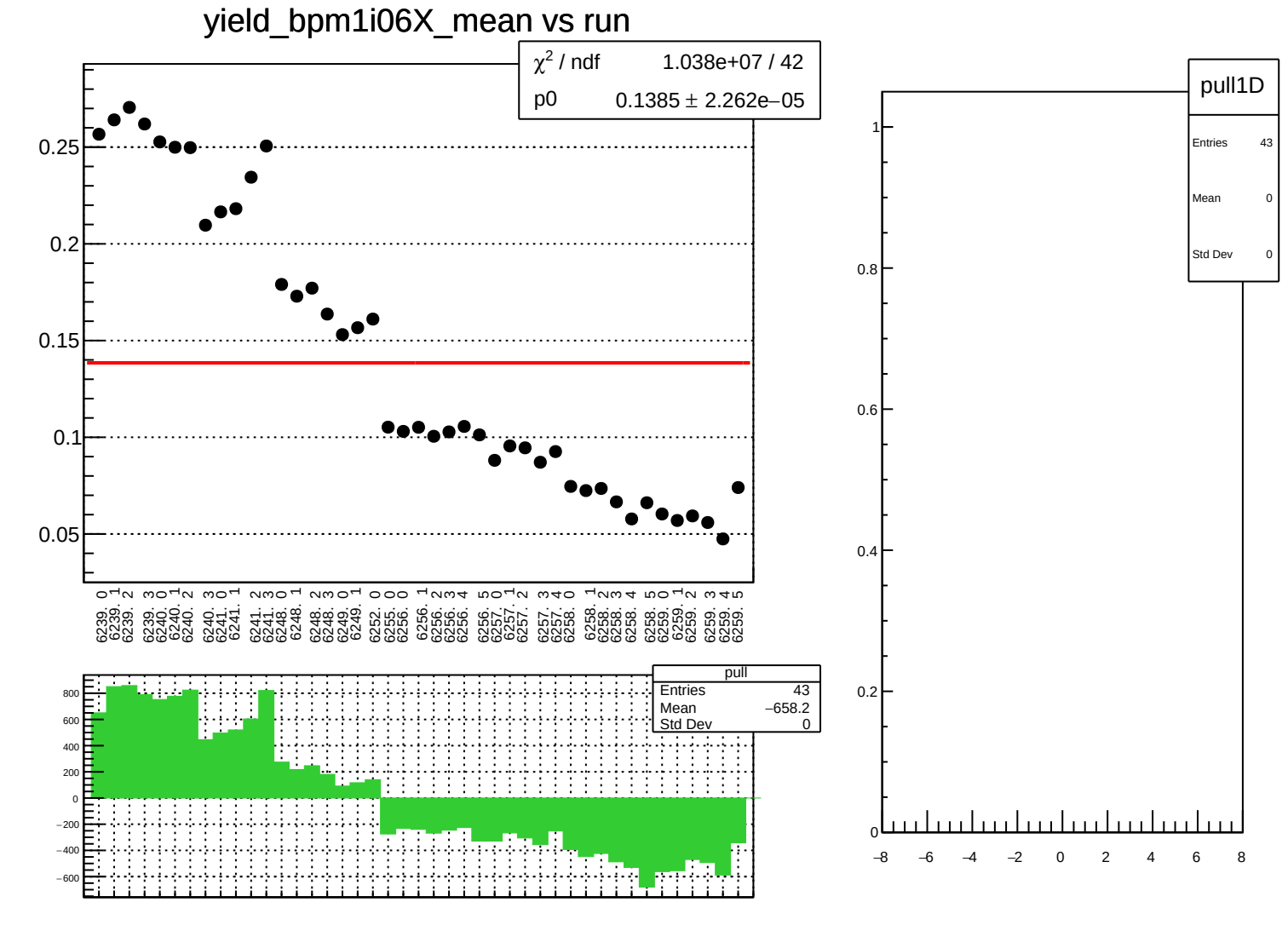

yield_bpm1i04X_mean vs run
χ² / ndf 5.229e+06 / 42
p0 1.094 ± 9.169e−06
1.14
1.13
1.12
1.11
1.1
1.09
1.08
1.07
1.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.381e+04
Std Dev 0
600
400
200
0
−200
−400

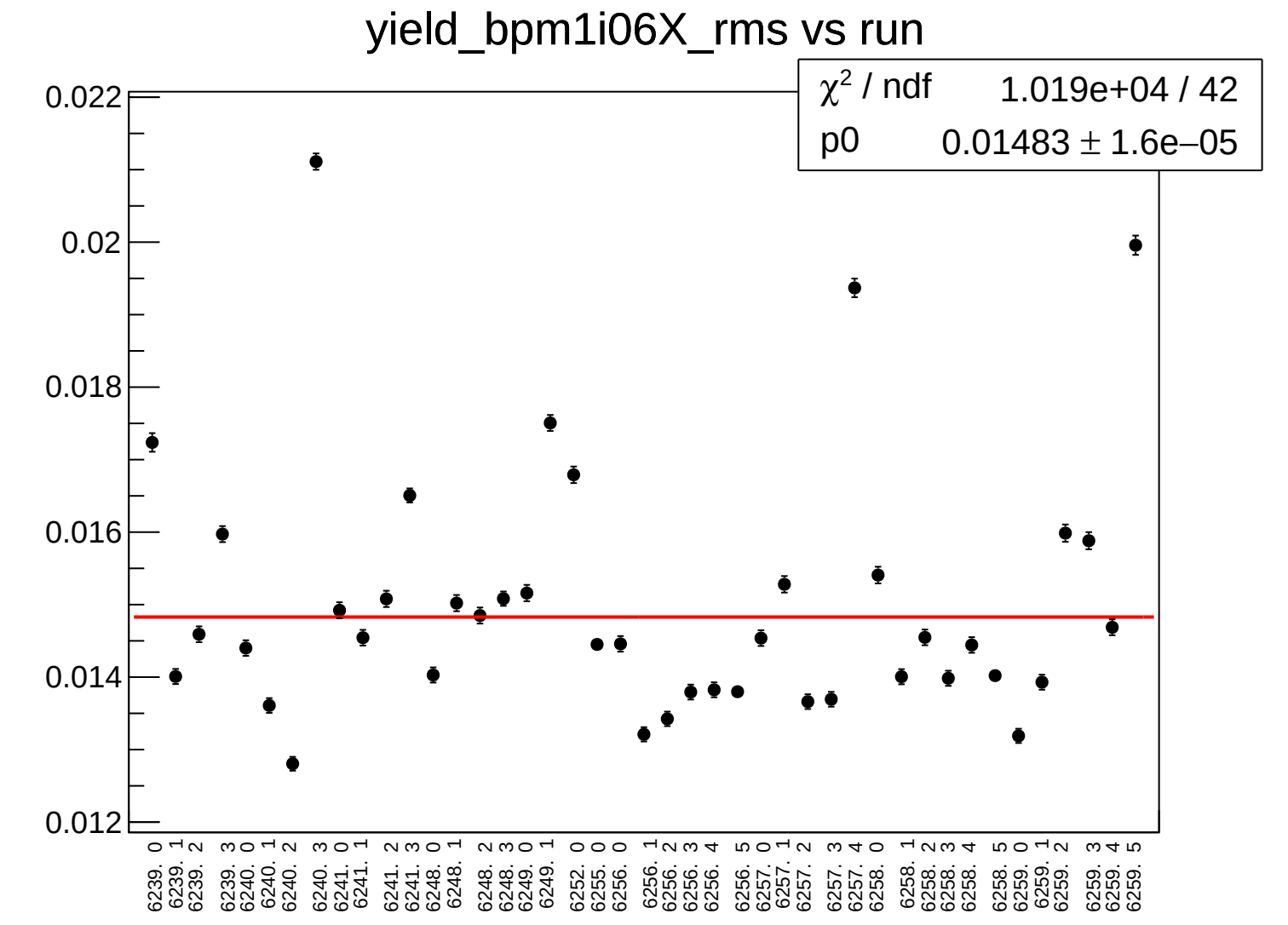

pull1D
Entries 43
Mean −6.182
Std Dev 1.043
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

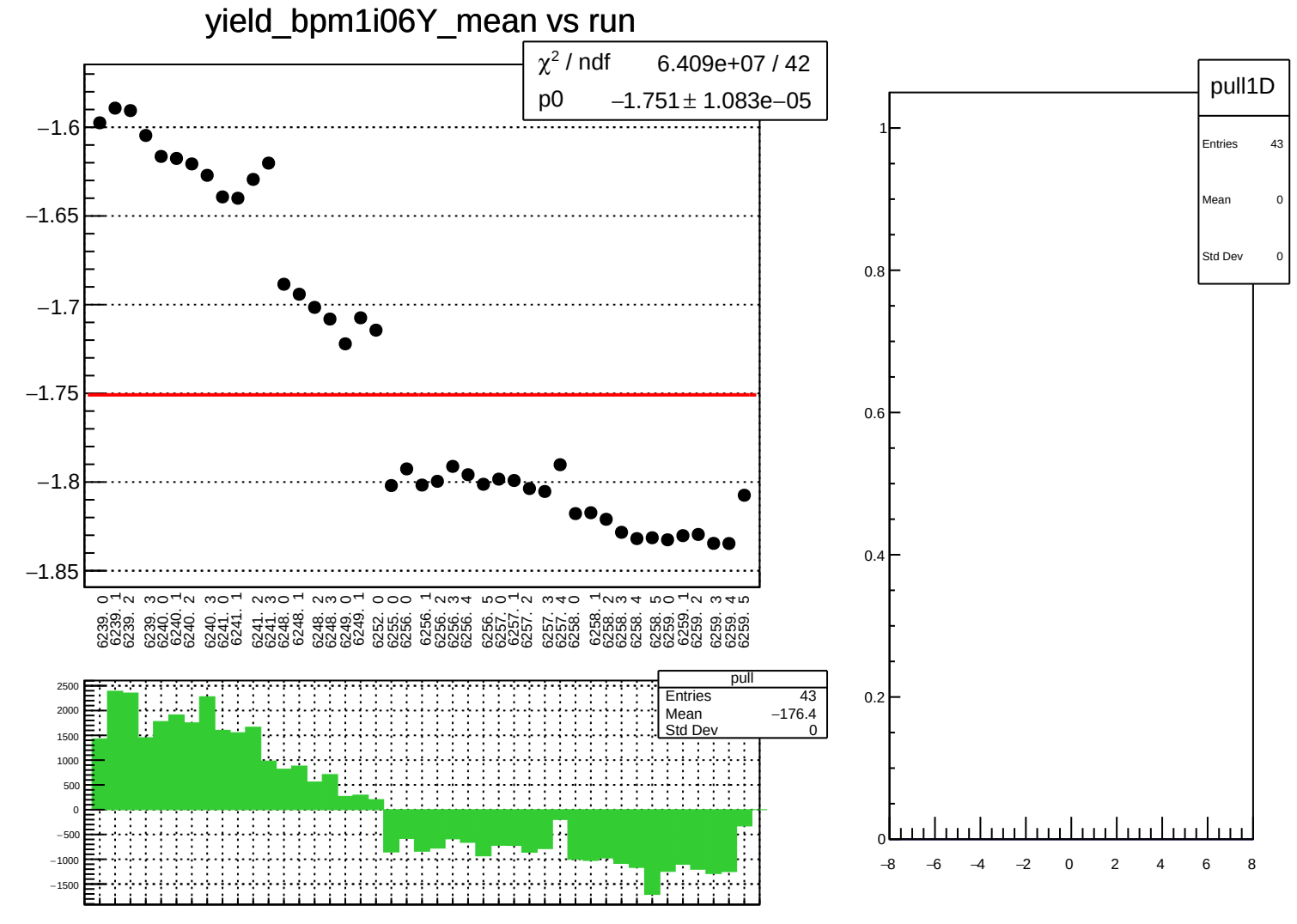

yield_bpm1i04X_rms vs run
χ² / ndf 1.026e+04 / 42
p0 0.00601 ± 6.484e–06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

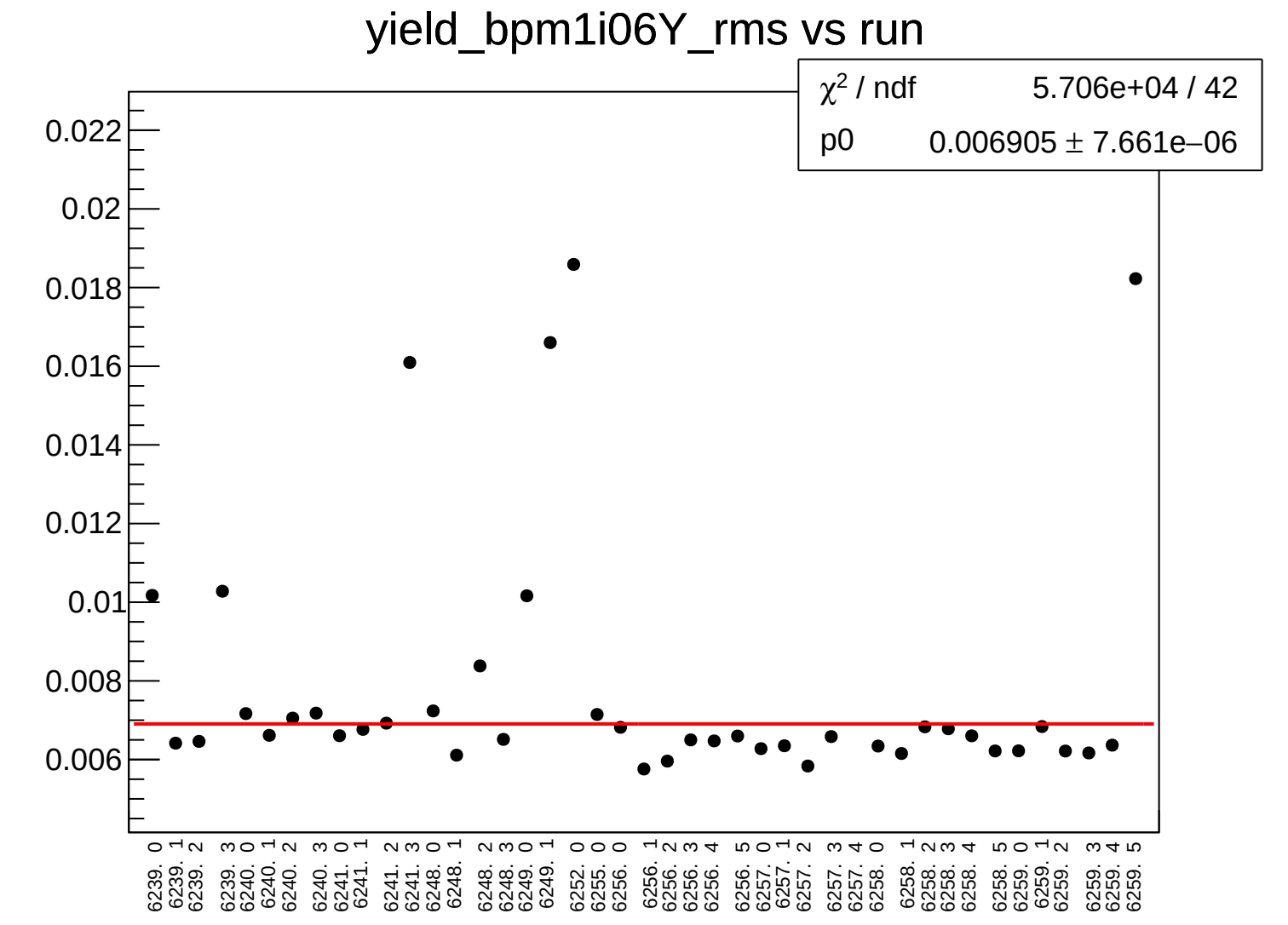

yield_bpm1i04Y_mean vs run
χ² / ndf 2.02e+07 / 42
p0 3.95 ± 8.796e−06
4.02
4
3.98
3.96
3.94
3.92
3.9
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 604
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

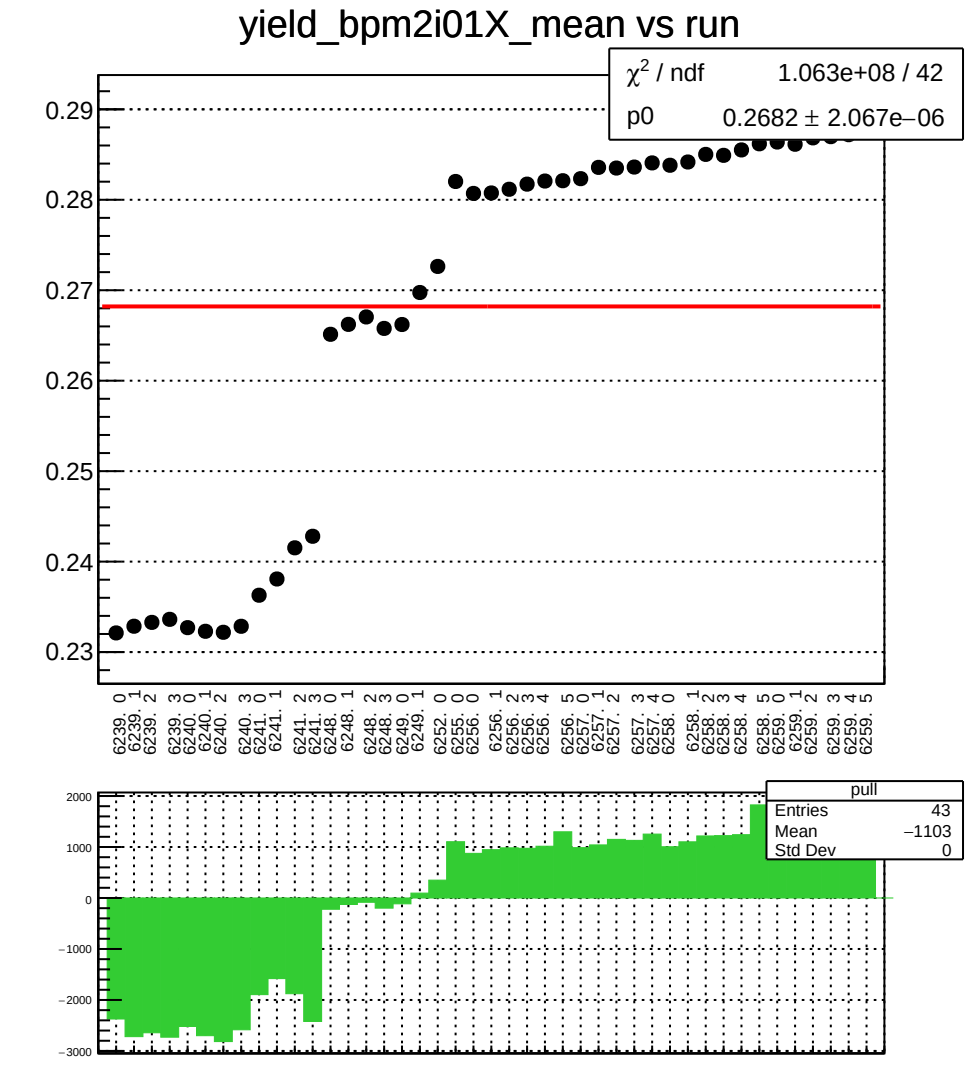

yield_bpm1i04Y_rms vs run
χ² / ndf 3513 / 42
p0 0.005788 ± 6.22e–06
0.0075
0.007
0.0065
0.006
0.0055
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

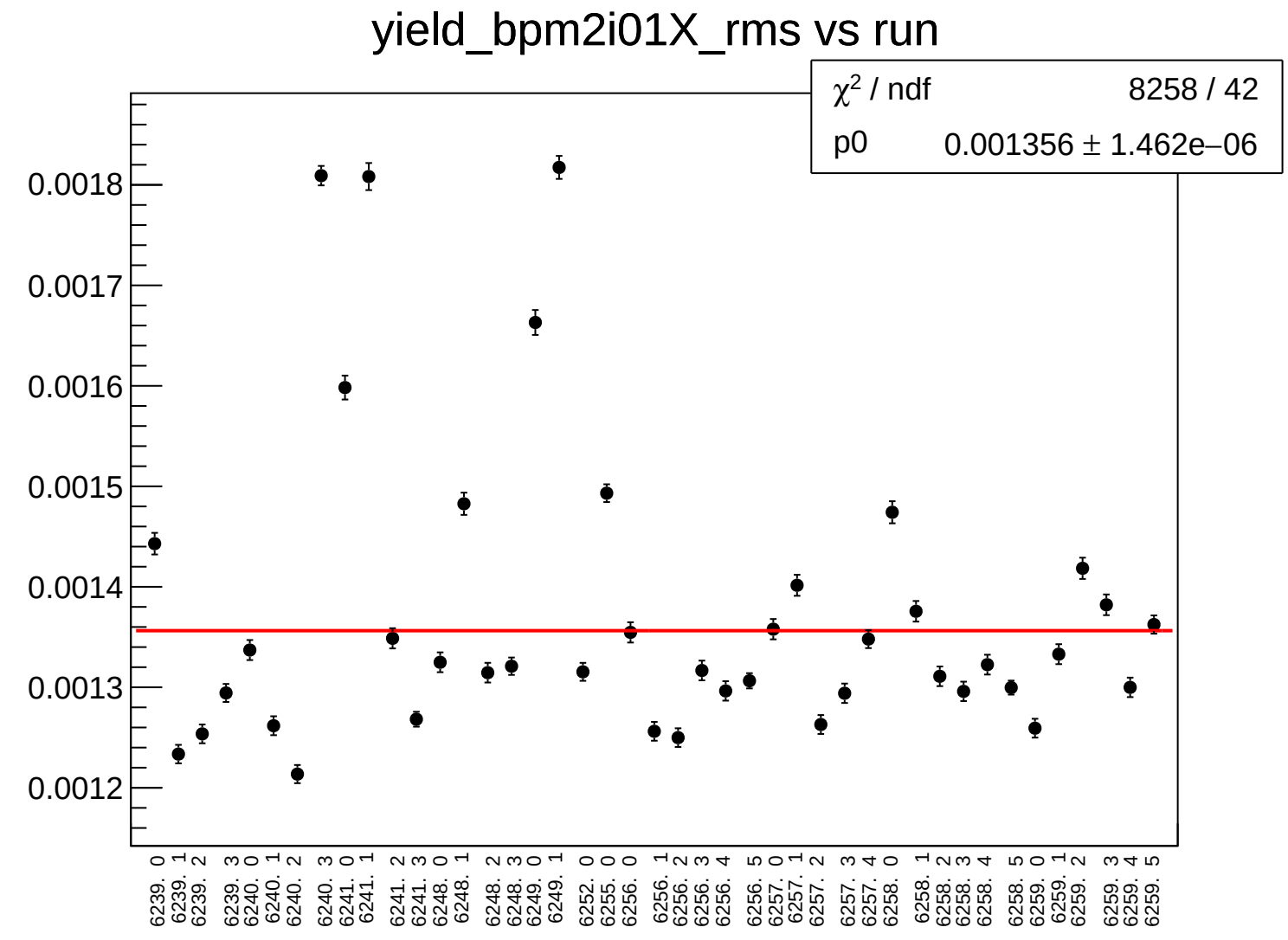

yield_bpm1i06X_mean vs run
χ² / ndf 1.038e+07 / 42
p0 0.1385 ± 2.262e−05
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −658.2
Std Dev 0
800
600
400
200
0
−200
−400
−600
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

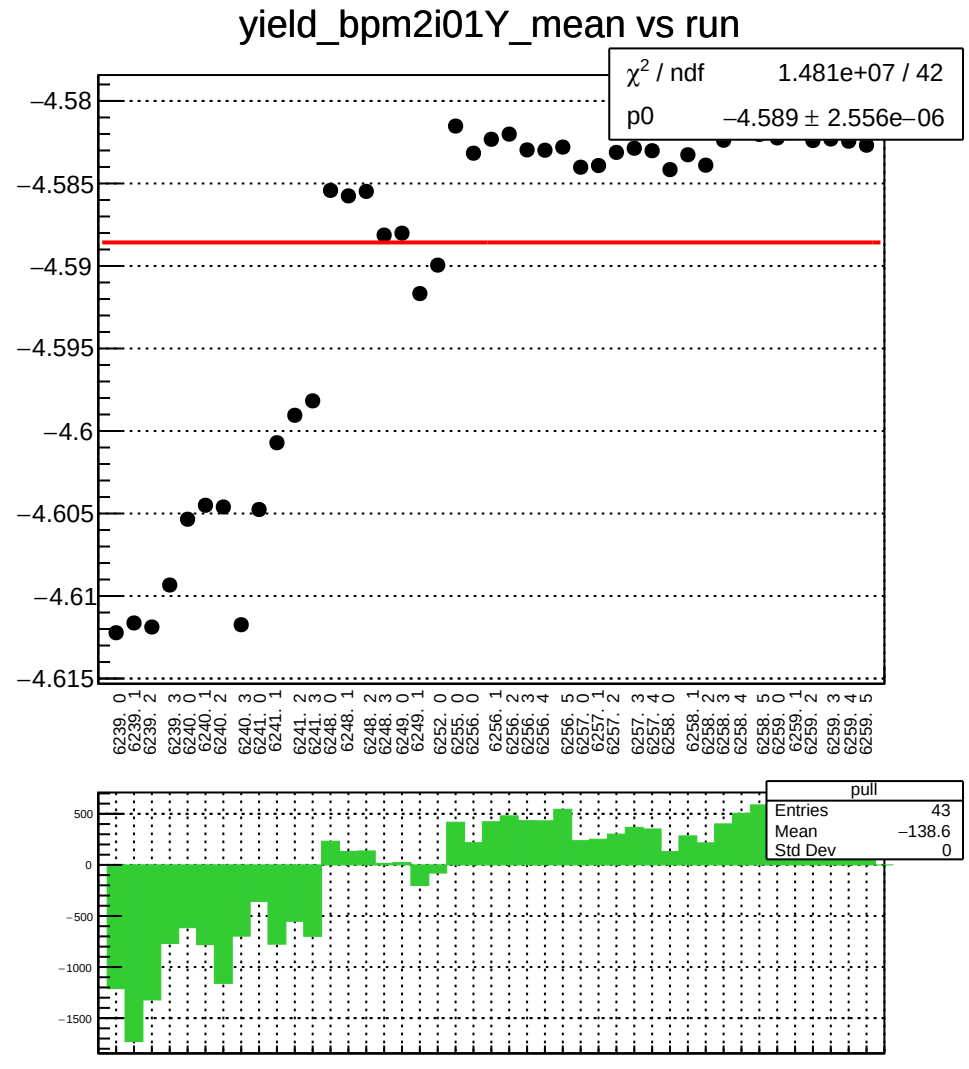

yield_bpm1i06X_rms vs run
χ² / ndf 1.019e+04 / 42
p0 0.01483 ± 1.6e−05
0.022
0.02
0.018
0.016
0.014
0.012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

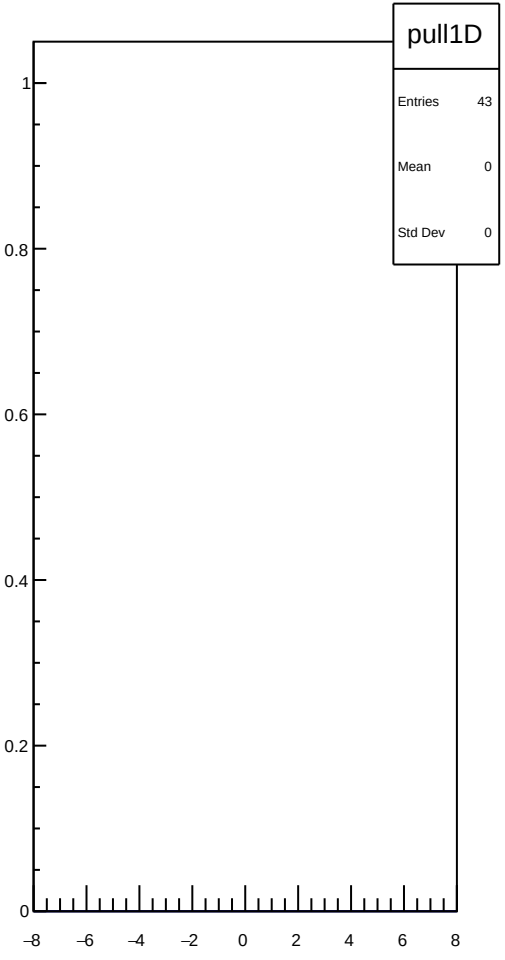

yield_bpm1i06Y_mean vs run
χ² / ndf 6.409e+07 / 42
p0 −1.751 ± 1.083e−05
−1.6
−1.65
−1.7
−1.75
−1.8
−1.85
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −176.4
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

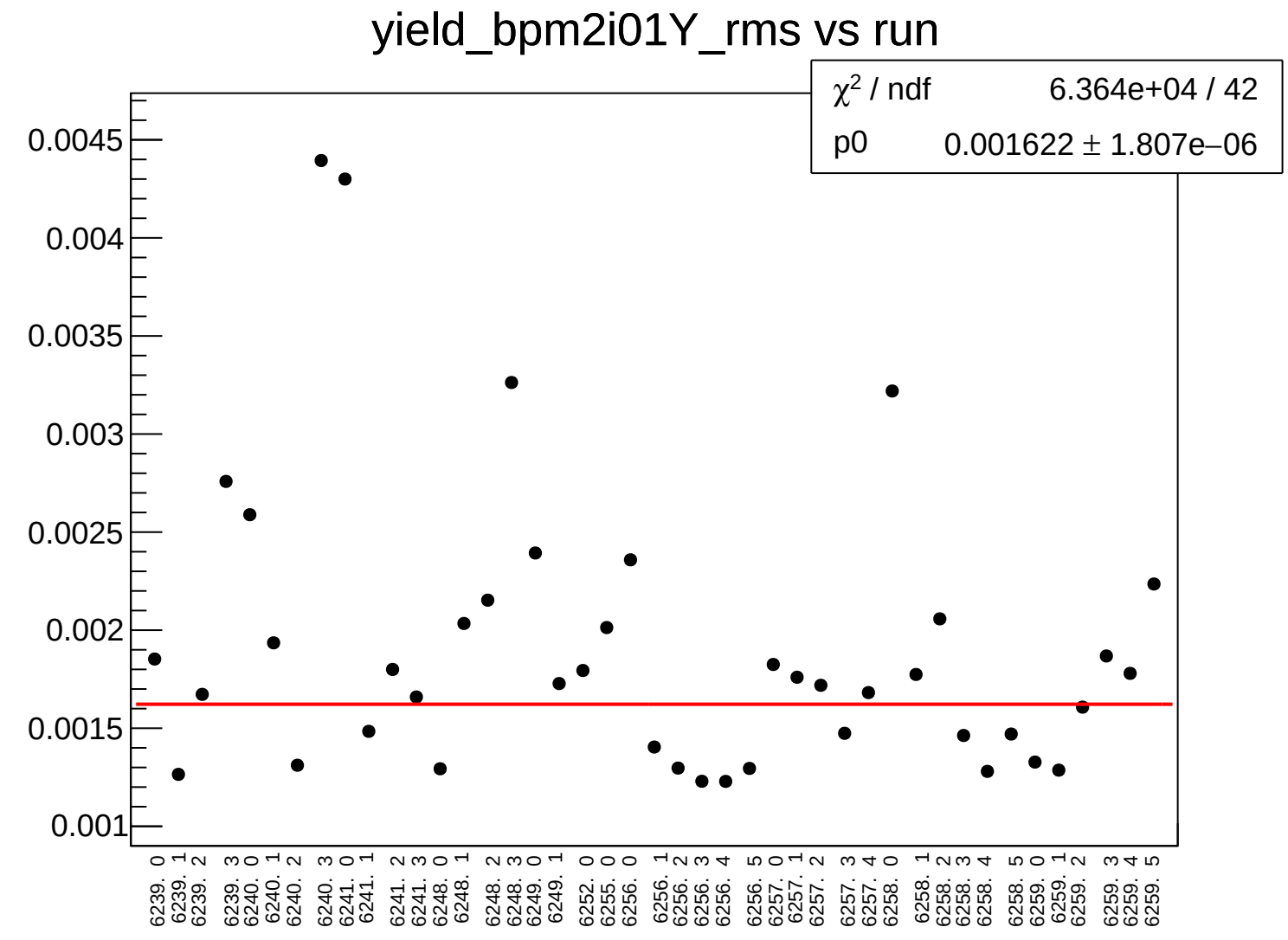

yield_bpm1i06Y_rms vs run
χ² / ndf 5.706e+04 / 42
p0 0.006905 ± 7.661e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

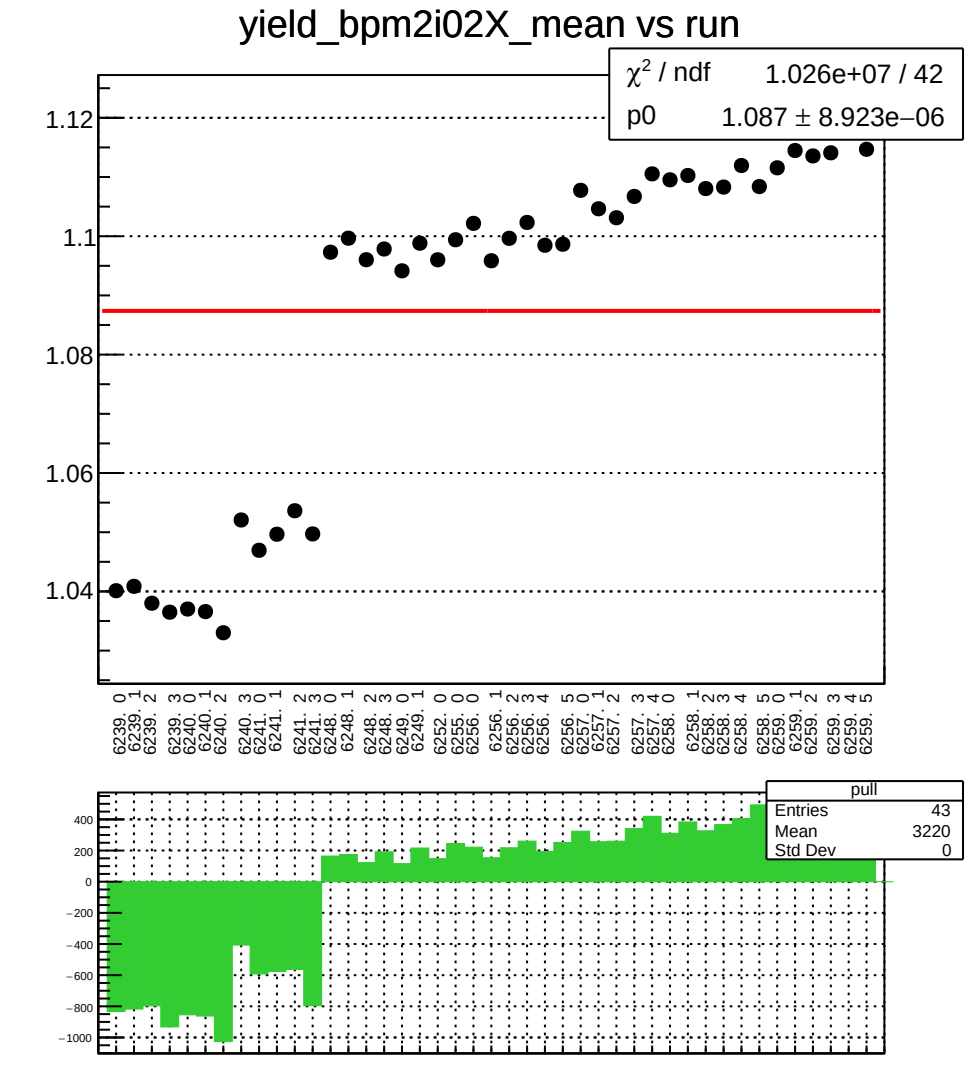

yield_bpm2i01X_mean vs run
χ² / ndf 1.063e+08 / 42
p0 0.2682 ± 2.067e−06
0.29
0.28
0.27
0.26
0.25
0.24
0.23
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1103
Std Dev 0
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

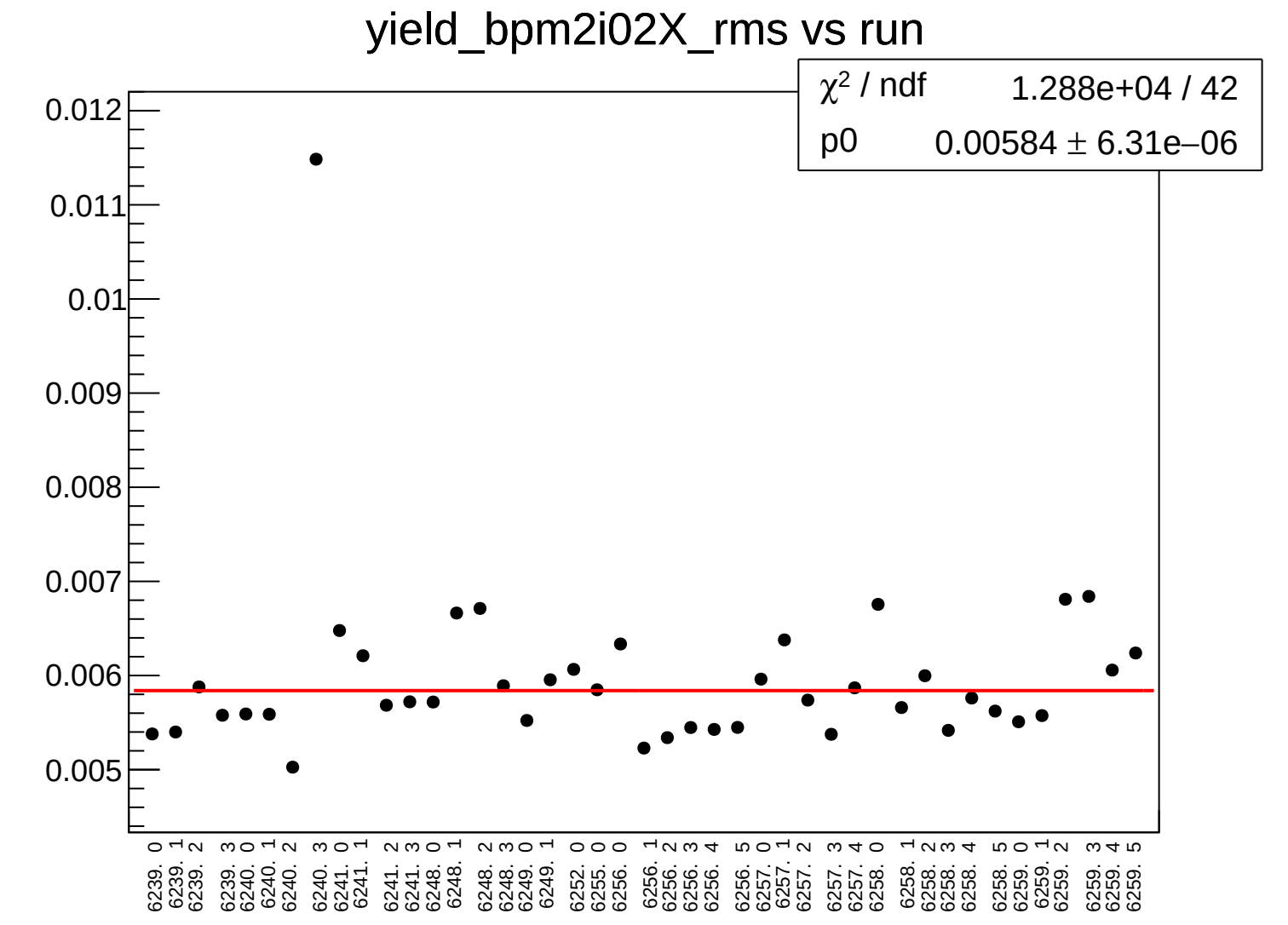

yield_bpm2i01X_rms vs run
χ² / ndf 8258 / 42
p0 0.001356 ± 1.462e−06
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

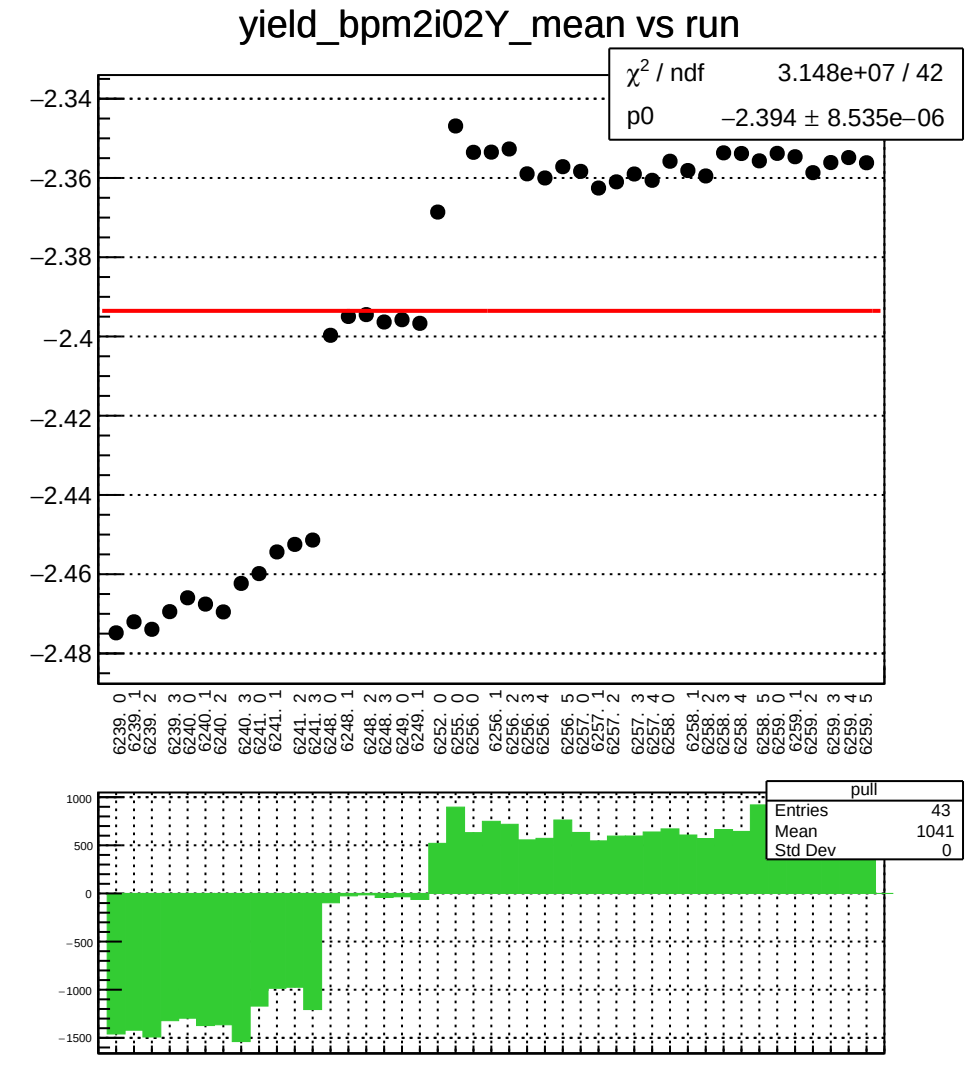

yield_bpm2i01Y_mean vs run
χ² / ndf 1.481e+07 / 42
p0 −4.589 ± 2.556e−06
−4.58
−4.585
−4.59
−4.595
−4.6
−4.605
−4.61
−4.615
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −138.6
Std Dev 0
500
0
−500
−1000
−1500

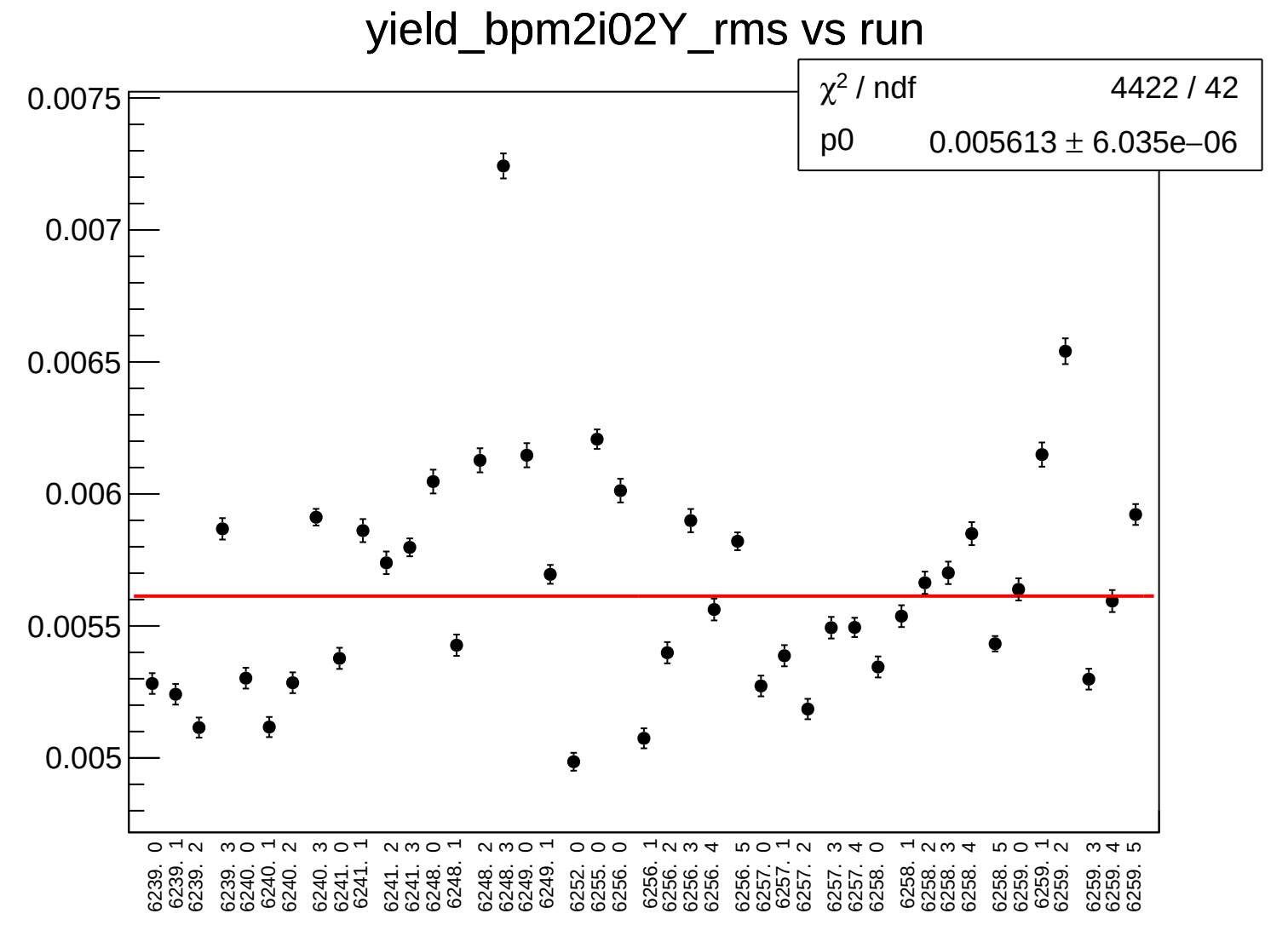

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

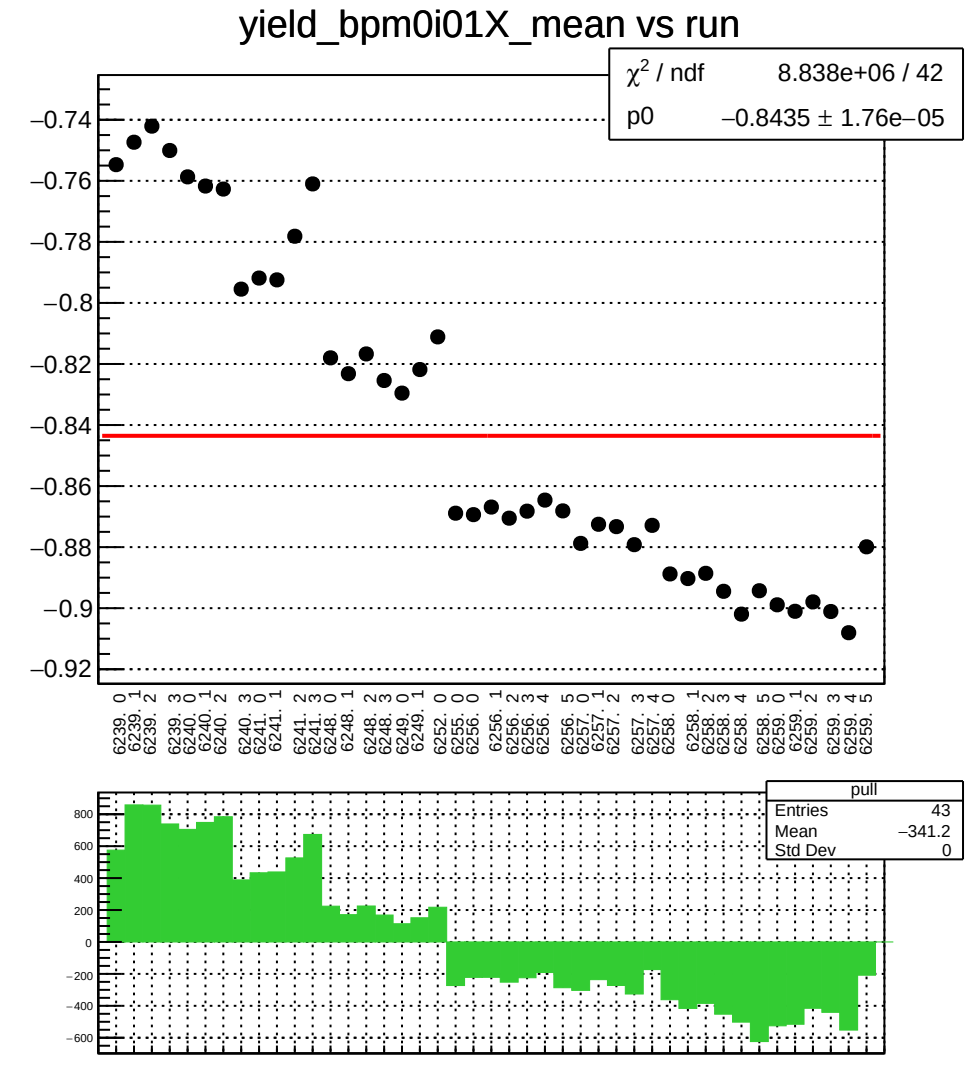

yield_bpm2i01Y_rms vs run
χ² / ndf 6.364e+04 / 42
p0 0.001622 ± 1.807e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

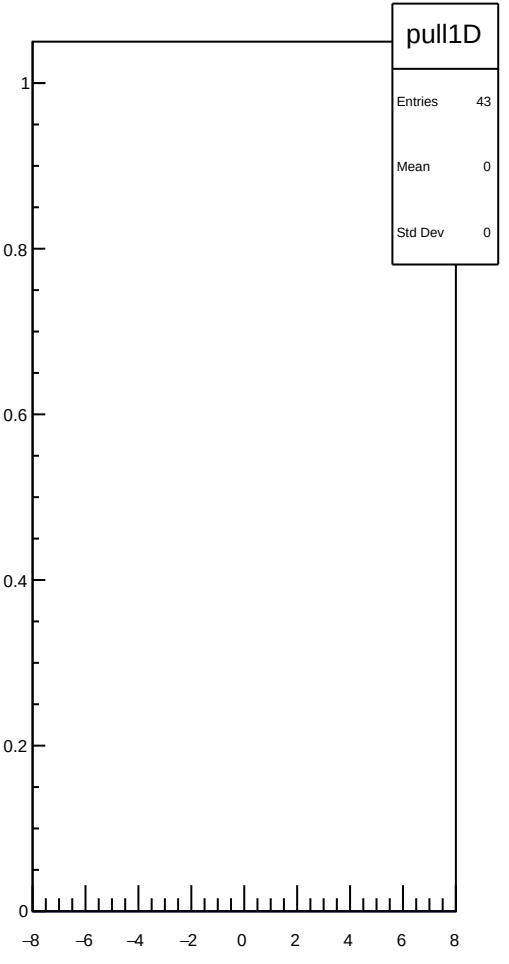

yield_bpm2i02X_mean vs run
χ² / ndf 1.026e+07 / 42
p0 1.087 ± 8.923e−06
1.12
1.1
1.08
1.06
1.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3220
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

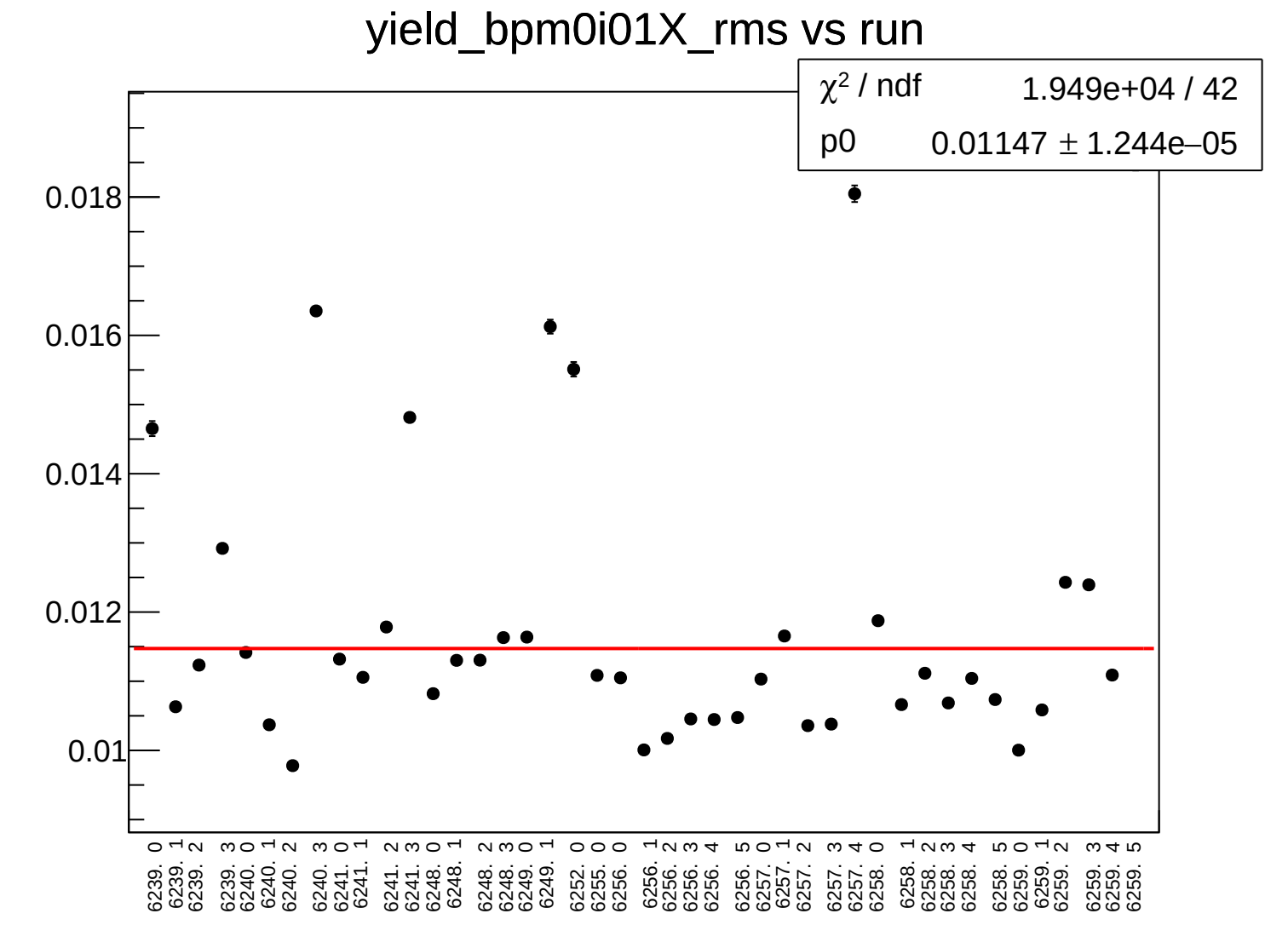

yield_bpm2i02X_rms vs run
χ² / ndf 1.288e+04 / 42
p0 0.00584 ± 6.31e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

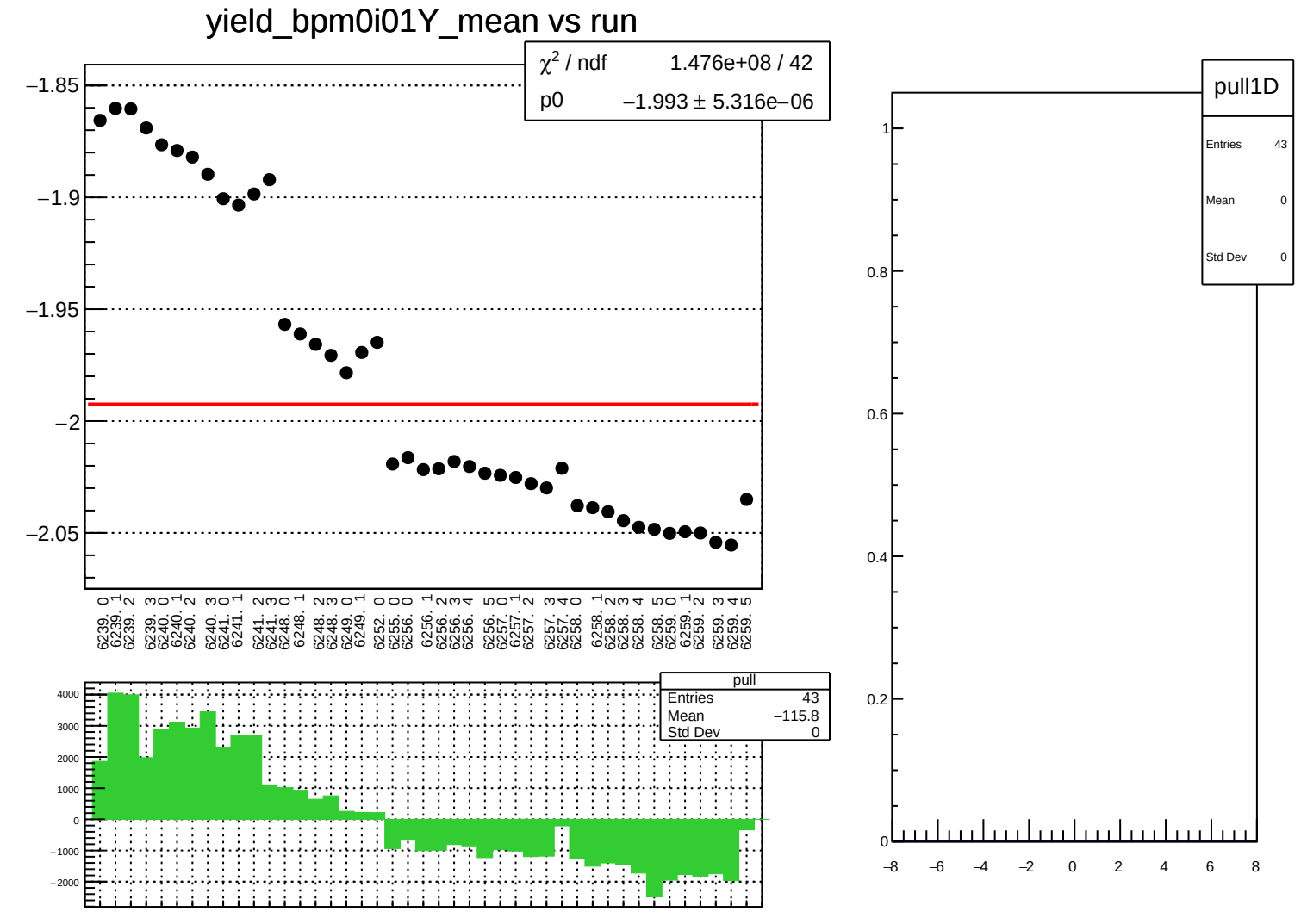

yield_bpm2i02Y_mean vs run
χ² / ndf 3.148e+07 / 42
p0 −2.394 ± 8.535e−06
−2.34
−2.36
−2.38
−2.4
−2.42
−2.44
−2.46
−2.48
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1041
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

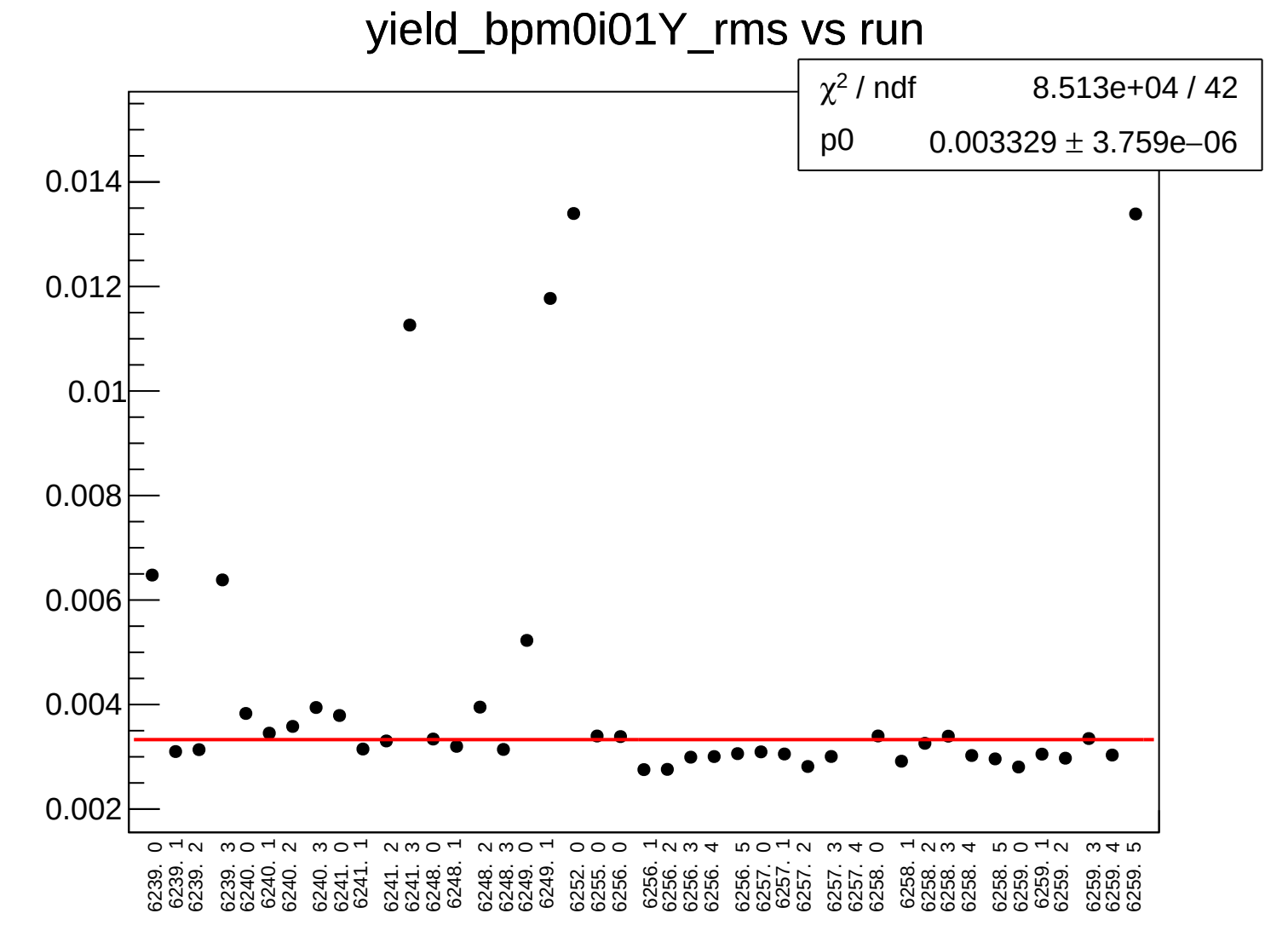

yield_bpm2i02Y_rms vs run
χ² / ndf 4422 / 42
p0 0.005613 ± 6.035e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

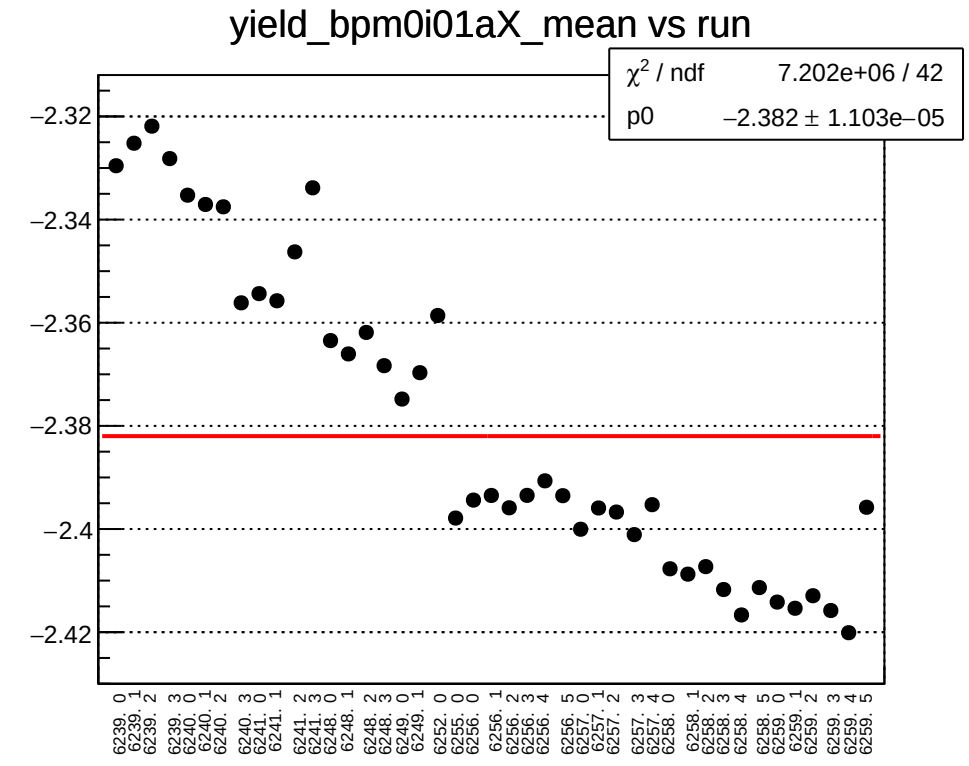

yield_bpm0i01X_mean vs run
χ² / ndf 8.838e+06 / 42
p0 −0.8435 ± 1.76e−05
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
−0.86
−0.88
−0.9
−0.92
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −341.2
Std Dev 0
800
600
400
200
0
−200
−400
−600

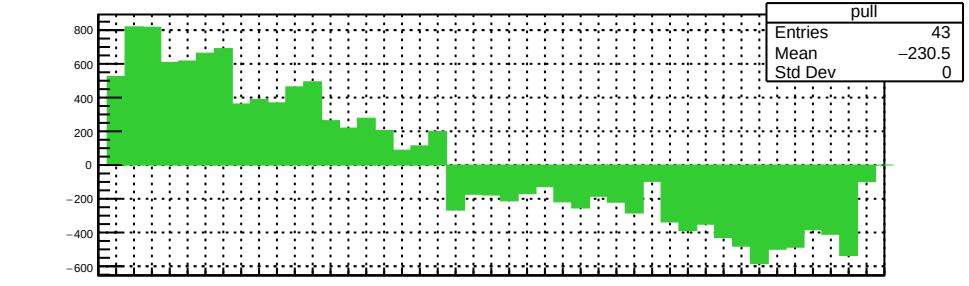

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

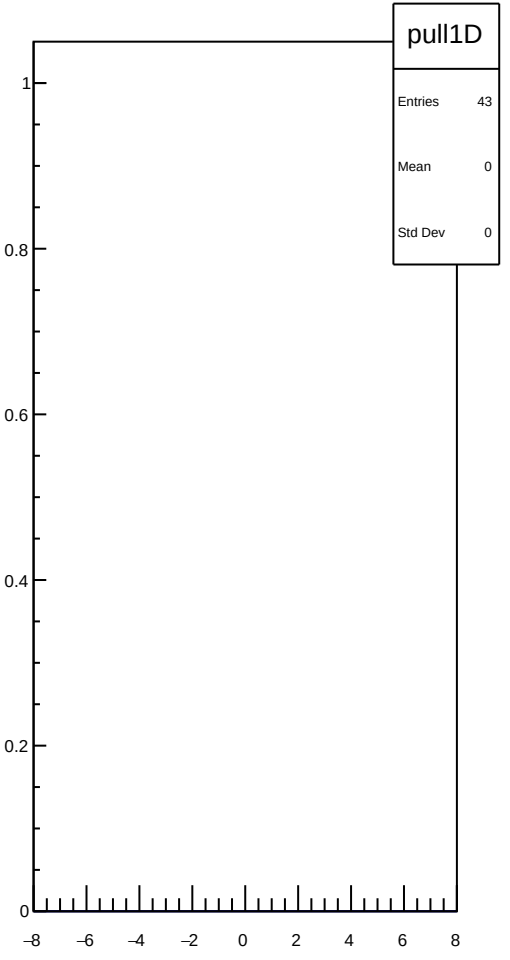

yield_bpm0i01X_rms vs run
χ² / ndf 1.949e+04 / 42
p0 0.01147 ± 1.244e−05
0.018
0.016
0.014
0.012
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

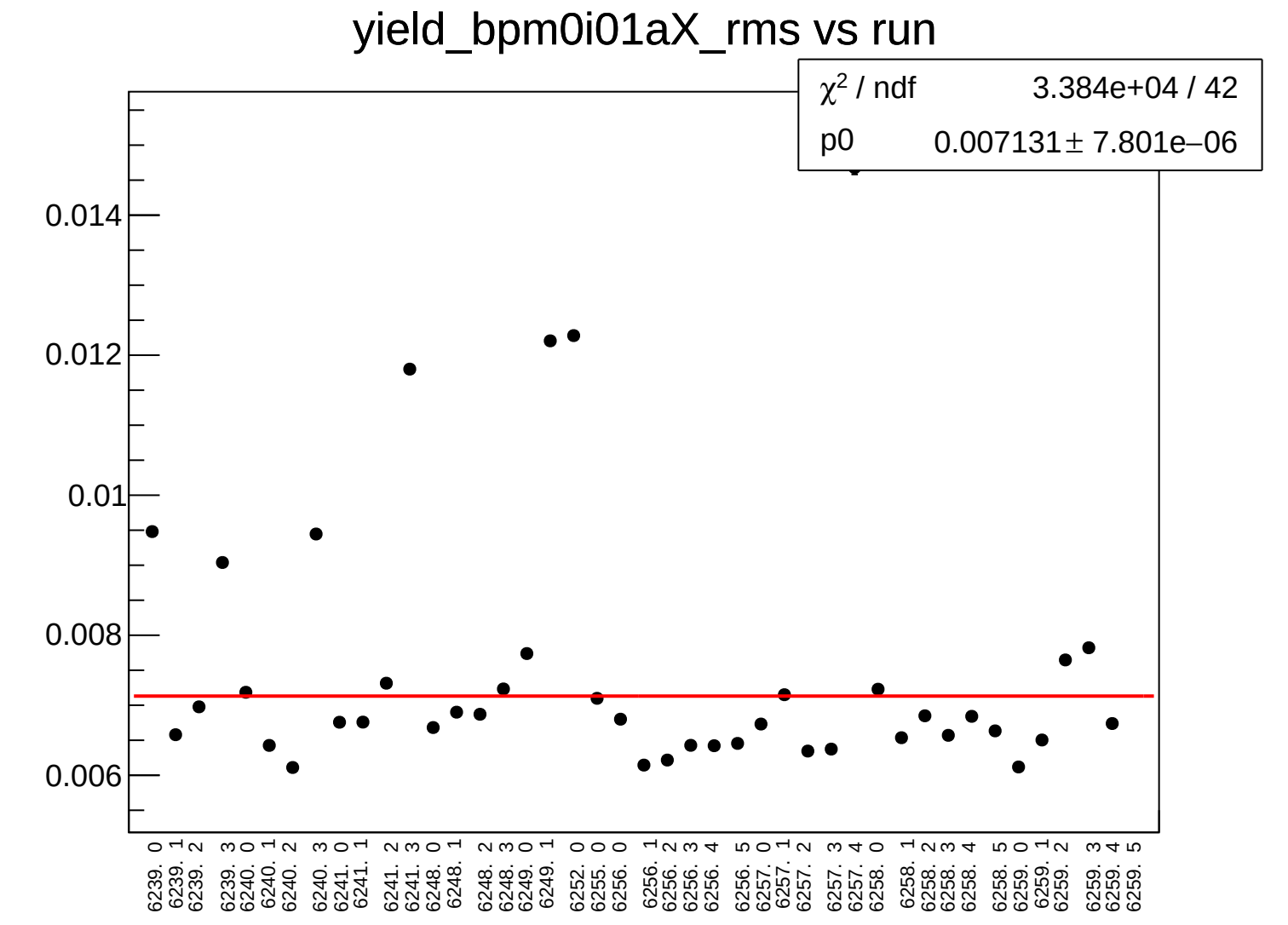

yield_bpm0i01Y_mean vs run
χ² / ndf 1.476e+08 / 42
p0 −1.993 ± 5.316e−06
−1.85
−1.9
−1.95
−2
−2.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −115.8
Std Dev 0
4000
3000
2000
1000
0
−1000
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

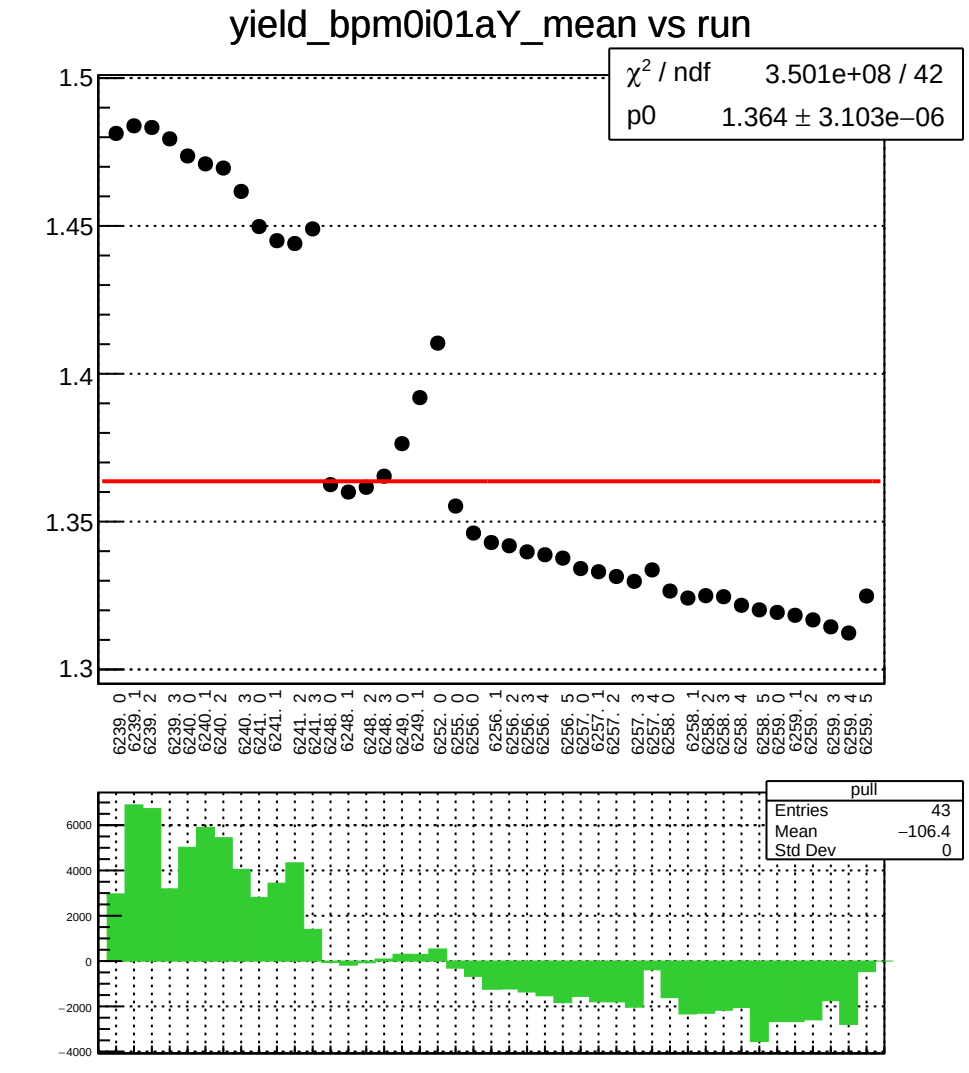

yield_bpm0i01Y_rms vs run
χ² / ndf 8.513e+04 / 42
p0 0.003329 ± 3.759e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

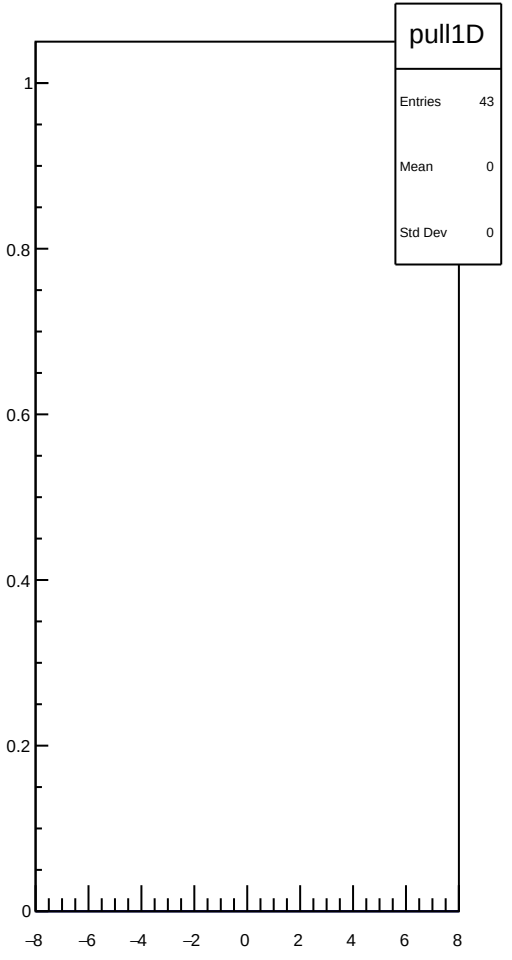

yield_bpm0i01aX_mean vs run
χ² / ndf 7.202e+06 / 42
p0 −2.382 ± 1.103e−05
−2.32
−2.34
−2.36
−2.38
−2.4
−2.42
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

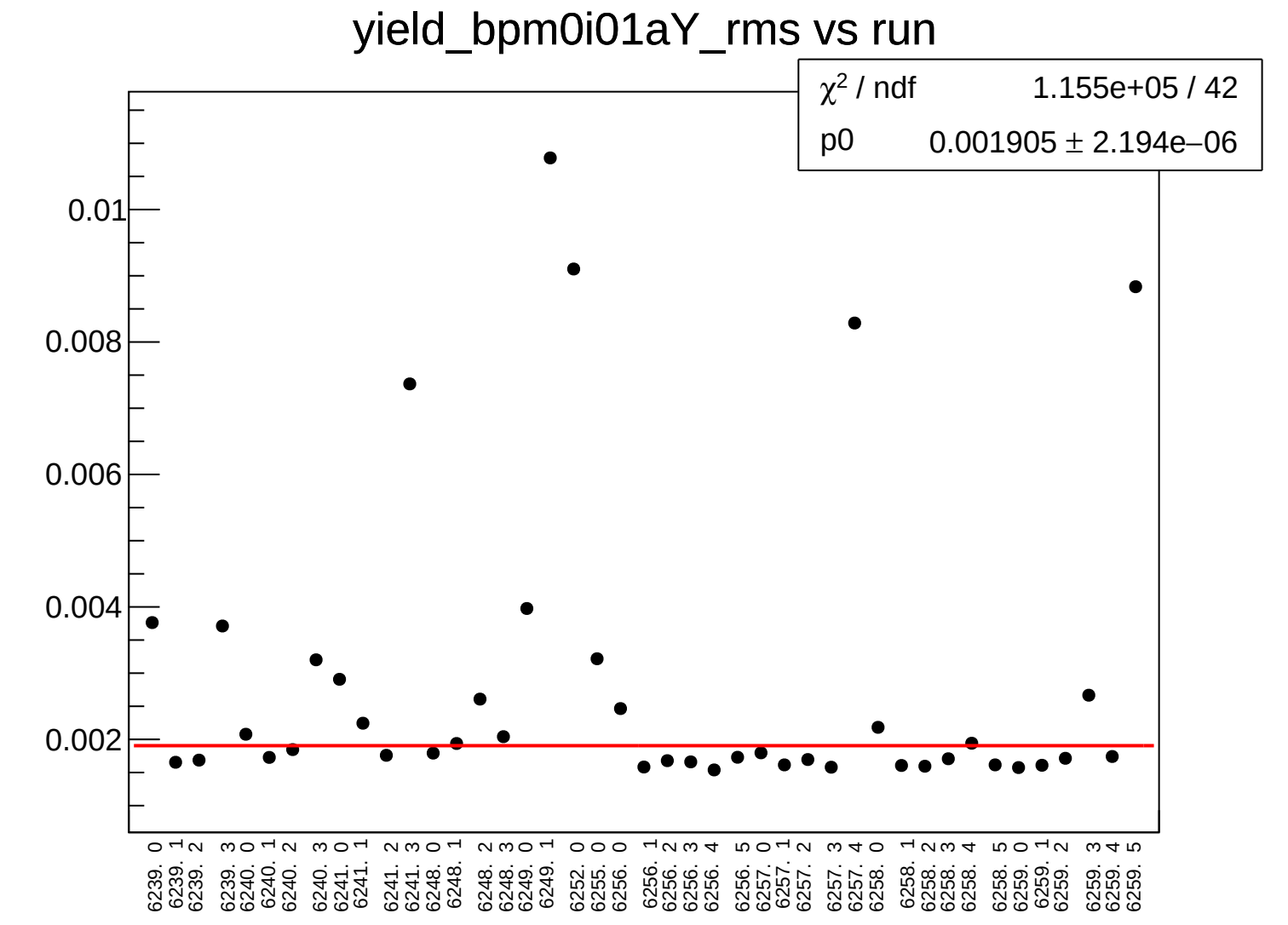

pull
Entries 43
Mean −230.5
Std Dev 0
800
600
400
200
0
−200
−400
−600

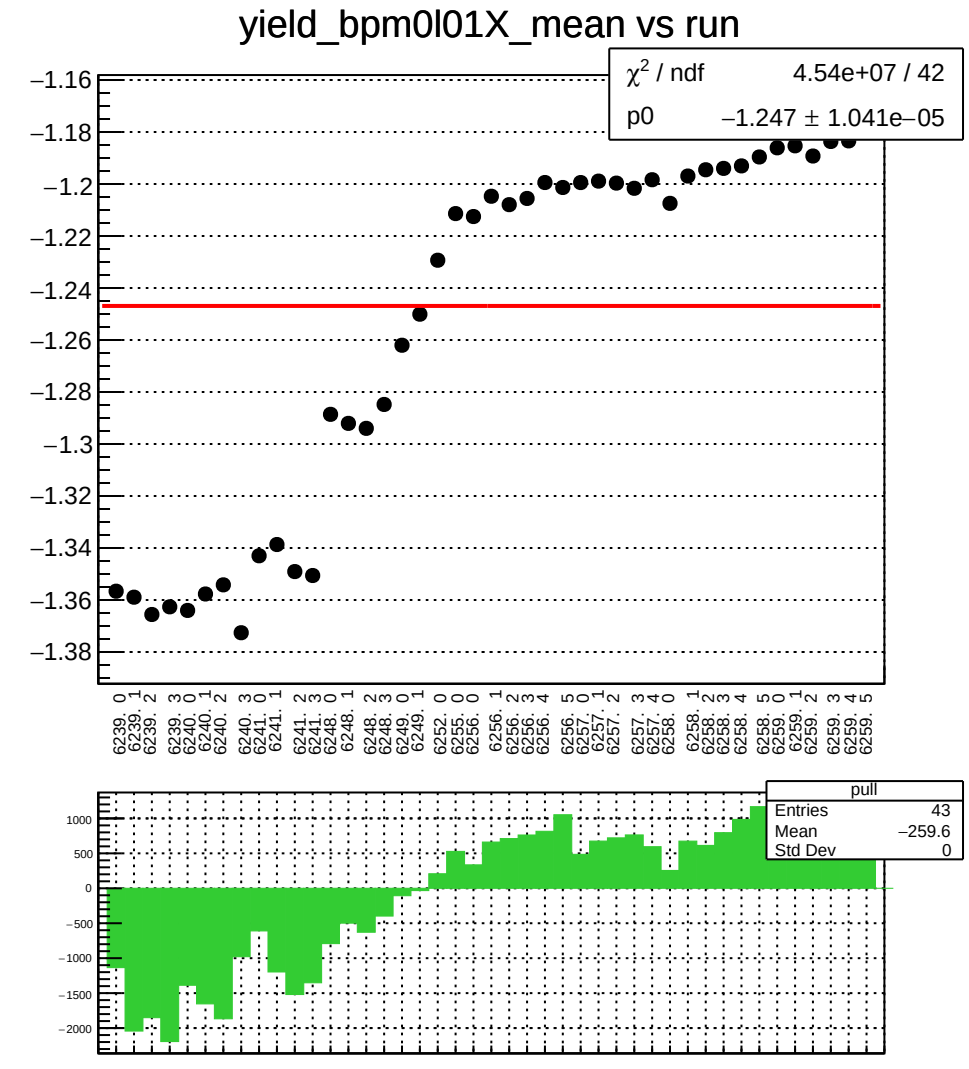

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

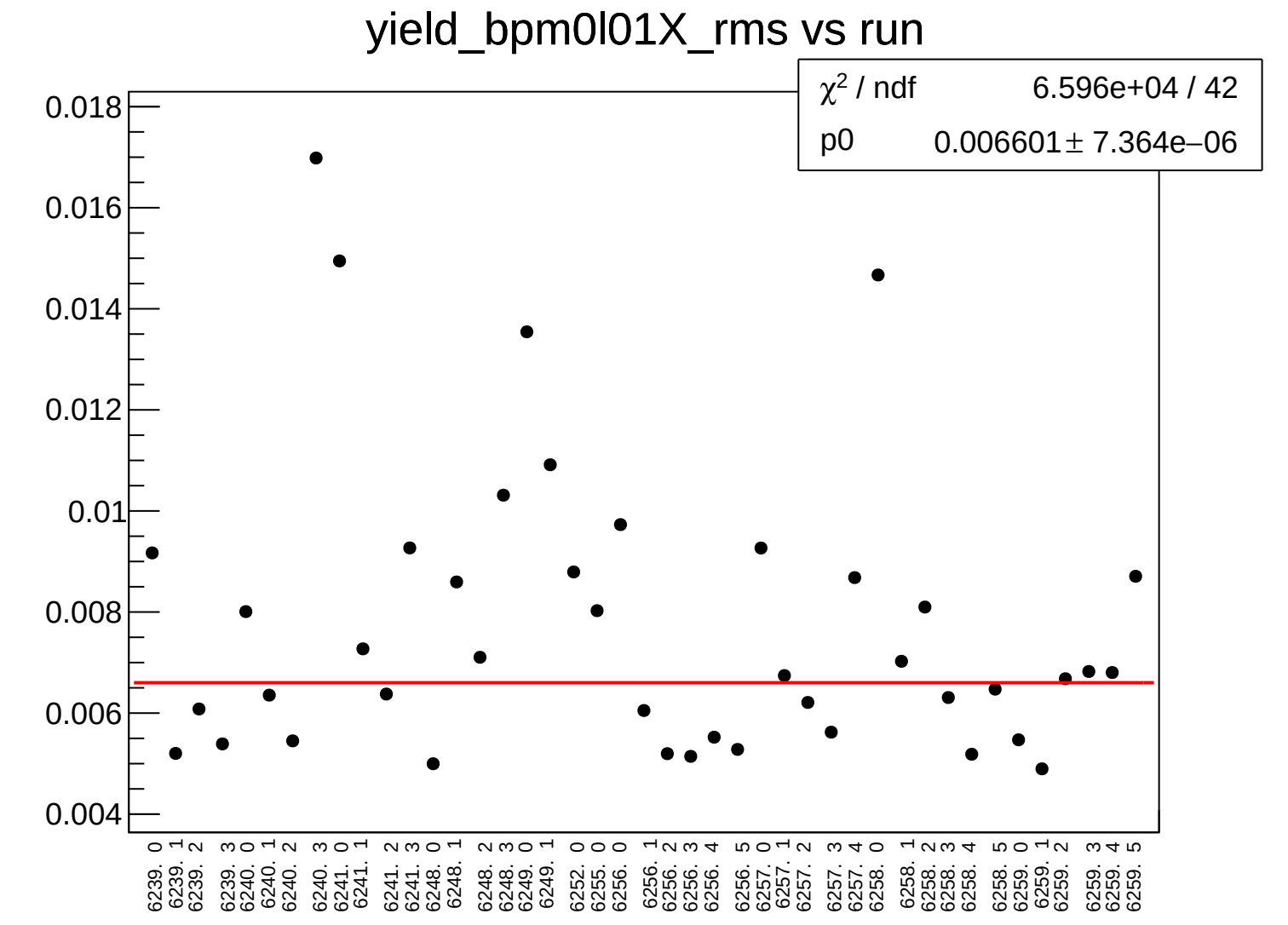

yield_bpm0i01aX_rms vs run
χ² / ndf 3.384e+04 / 42
p0 0.007131 ± 7.801e−06
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

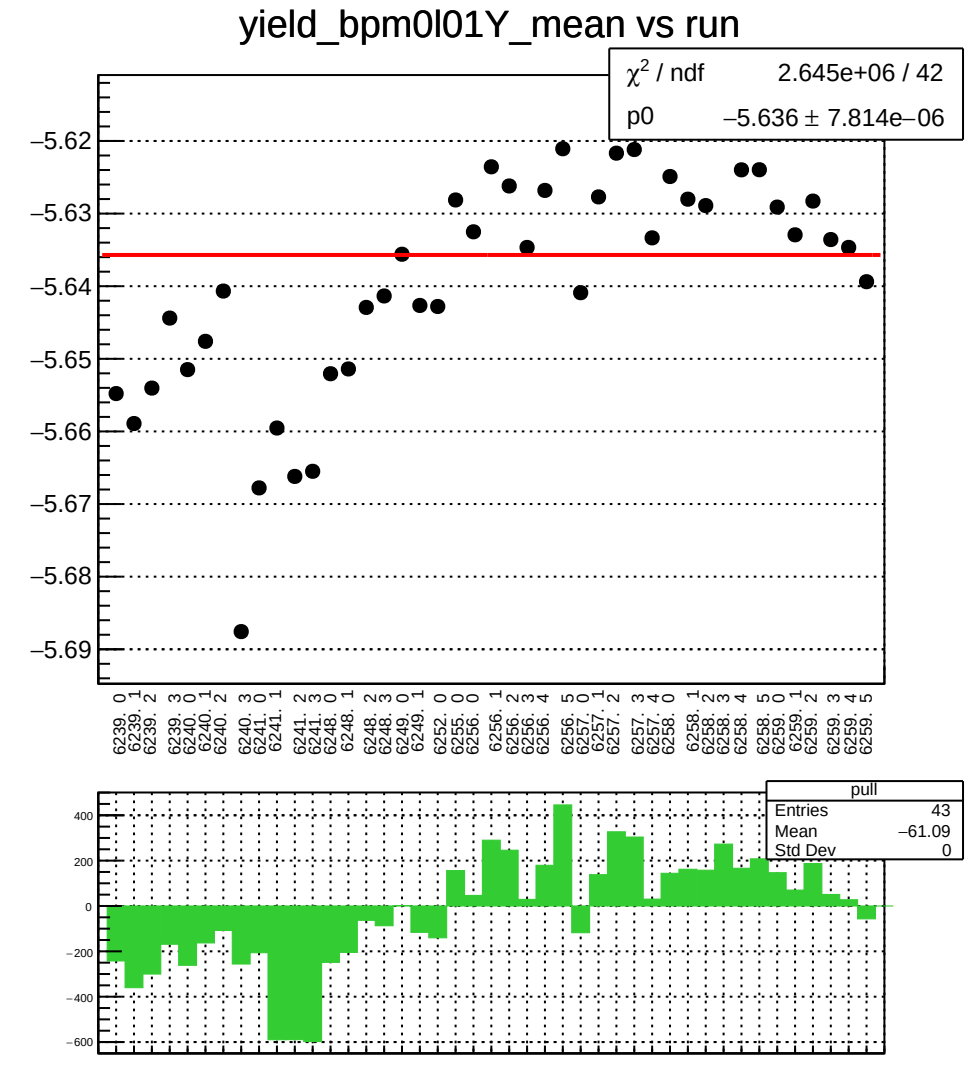

yield_bpm0i01aY_mean vs run
χ² / ndf 3.501e+08 / 42
p0 1.364 ± 3.103e−06
1.5
1.45
1.4
1.35
1.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −106.4
Std Dev 0
6000
4000
2000
0
−2000
−4000

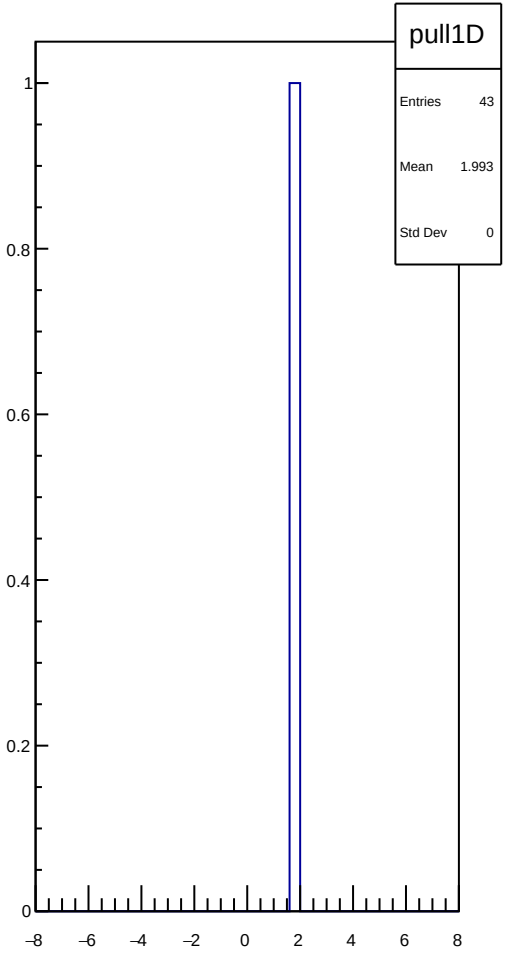

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

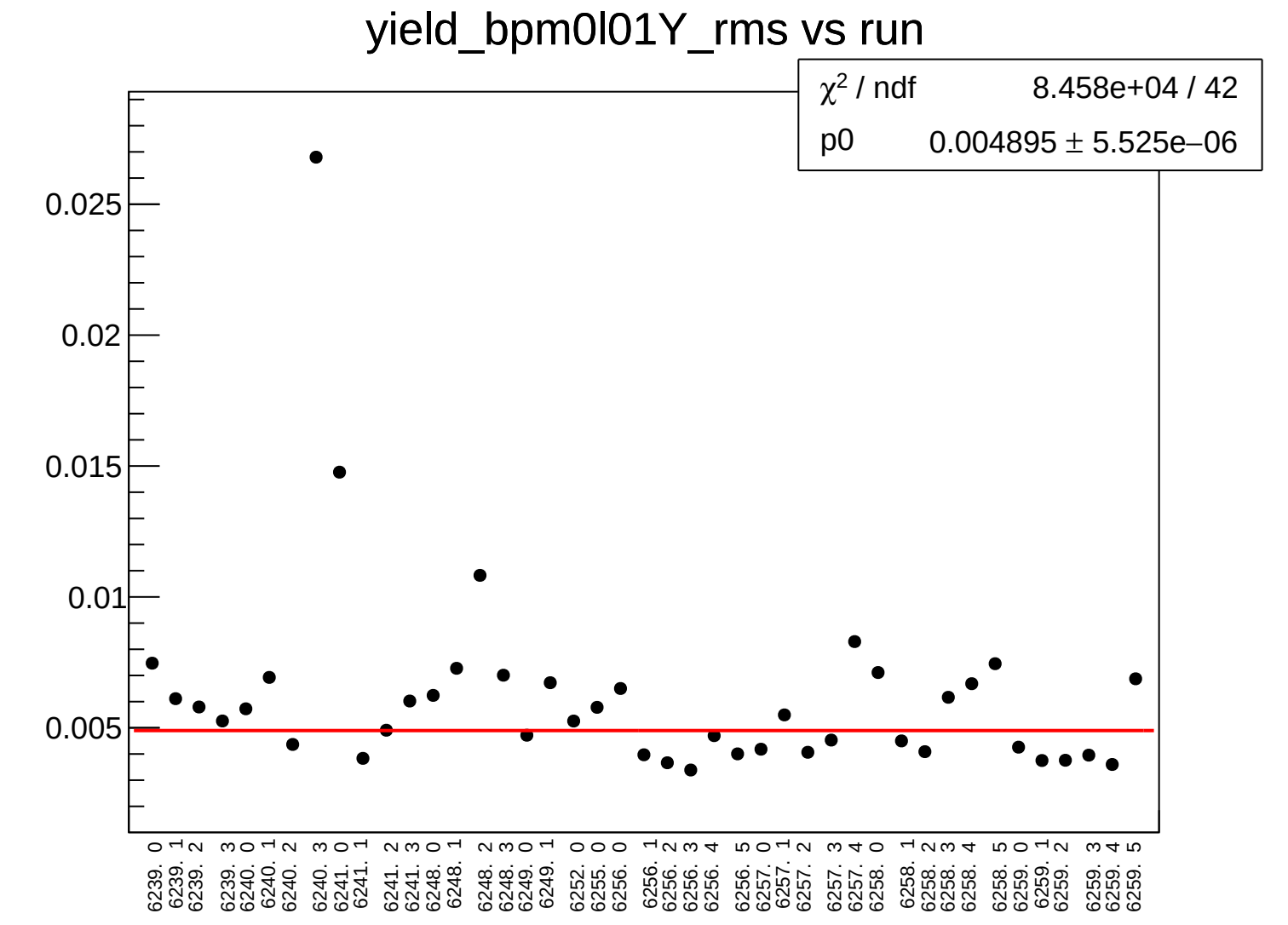

yield_bpm0i01aY_rms vs run
χ² / ndf 1.155e+05 / 42
p0 0.001905 ± 2.194e−06
0.01
0.008
0.006
0.004
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

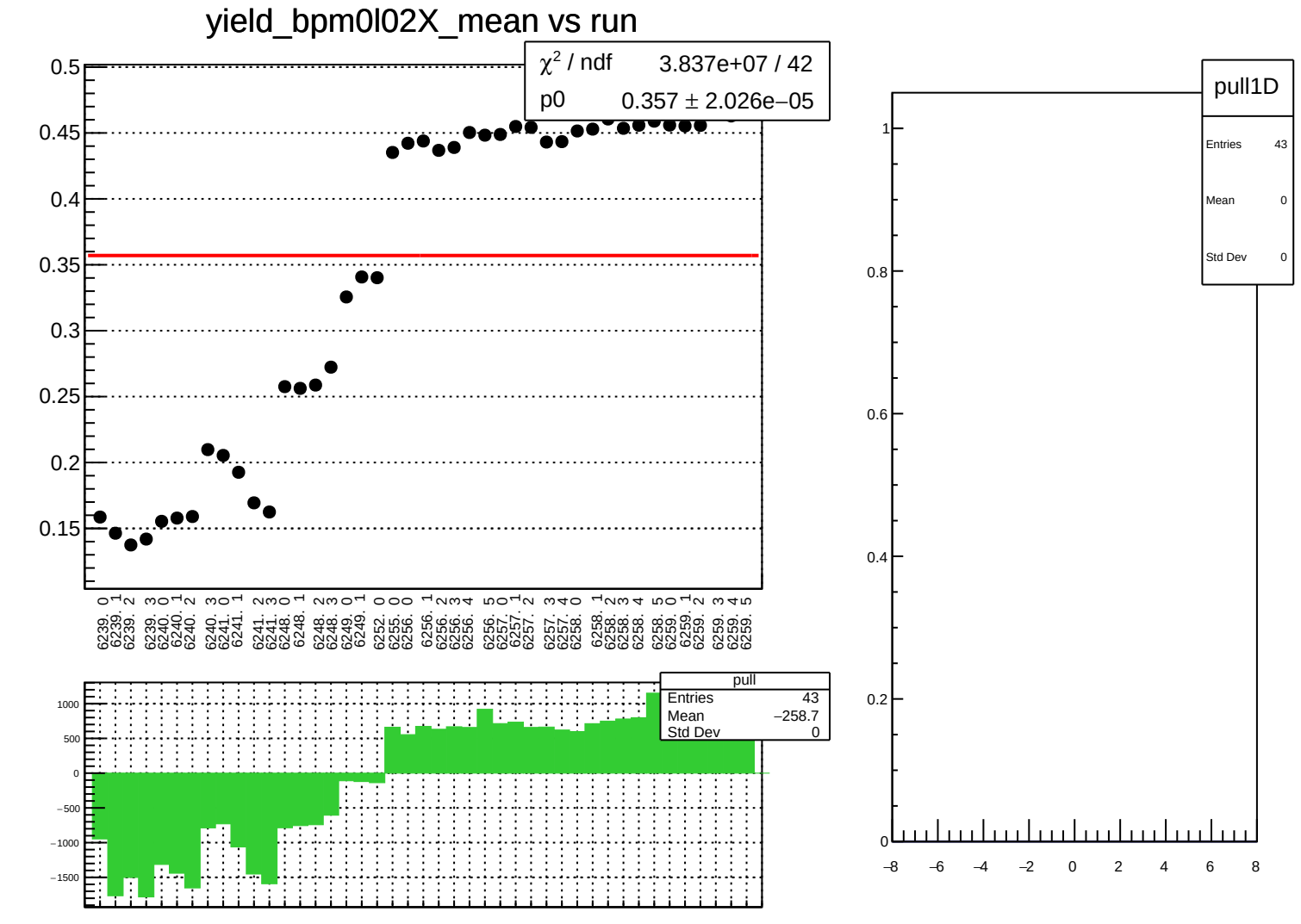

yield_bpm0l01X_mean vs run
χ² / ndf 4.54e+07 / 42
p0 −1.247 ± 1.041e−05
−1.16
−1.18
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
−1.32
−1.34
−1.36
−1.38
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −259.6
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

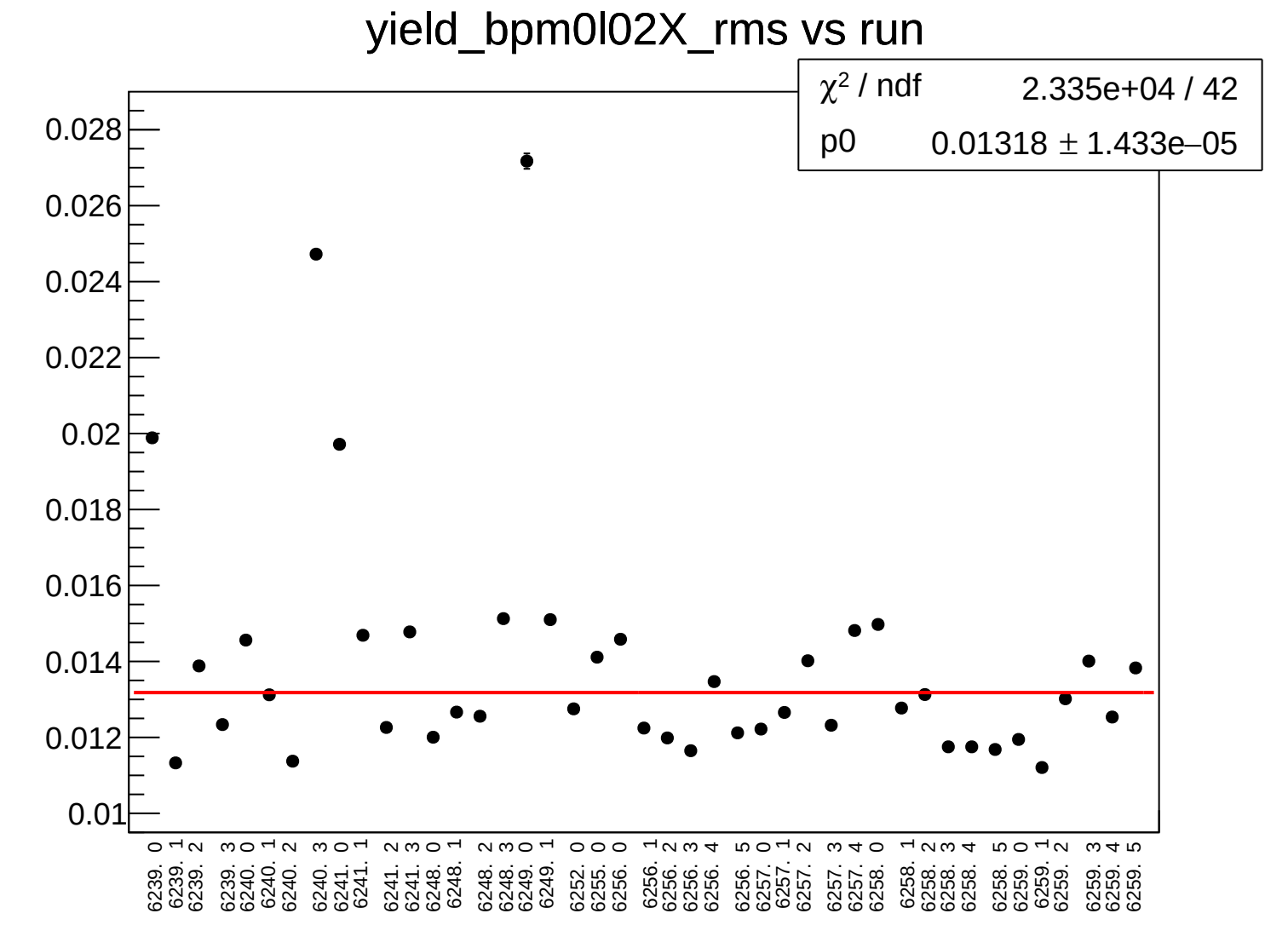

yield_bpm0l01X_rms vs run
χ² / ndf 6.596e+04 / 42
p0 0.006601 ± 7.364e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

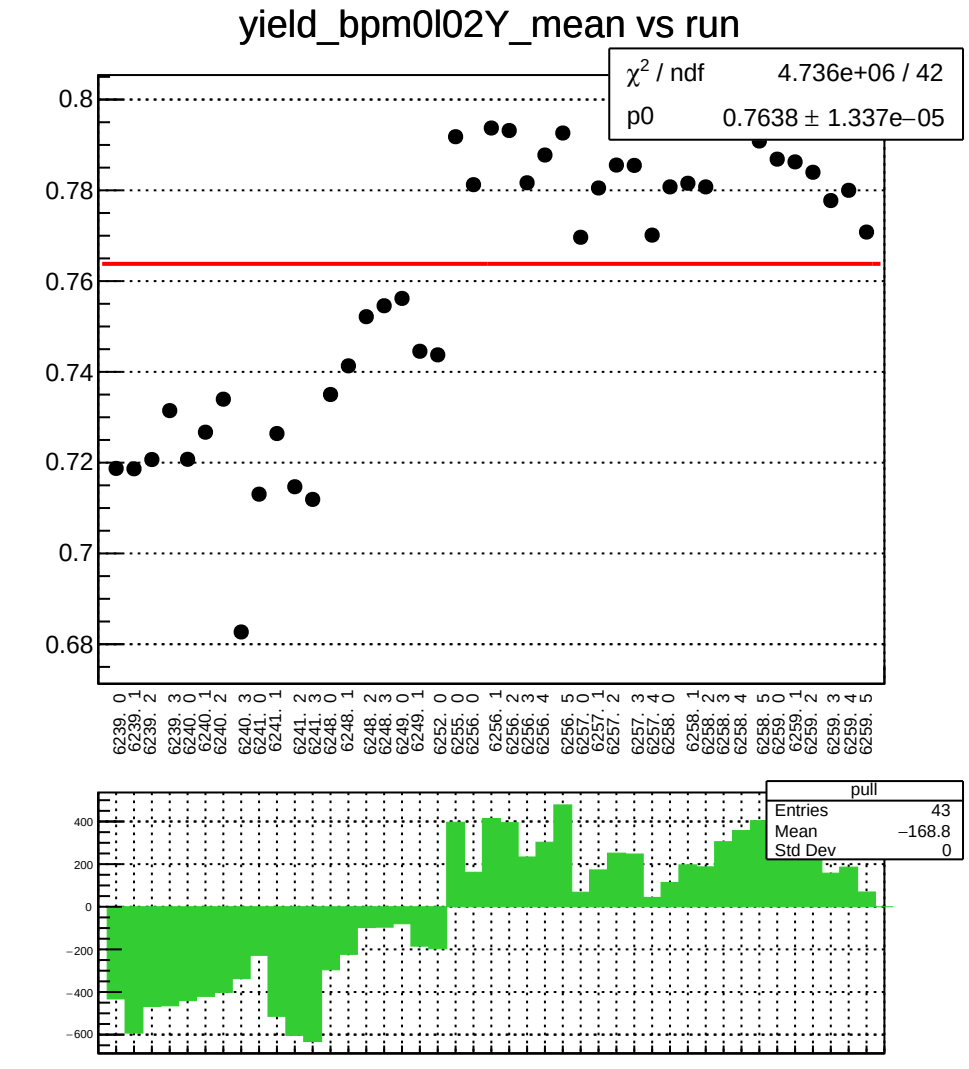

yield_bpm0l01Y_mean vs run
χ² / ndf 2.645e+06 / 42
p0 −5.636 ± 7.814e−06
−5.62
−5.63
−5.64
−5.65
−5.66
−5.67
−5.68
−5.69
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −61.09
Std Dev 0
400
200
0
−200
−400
−600

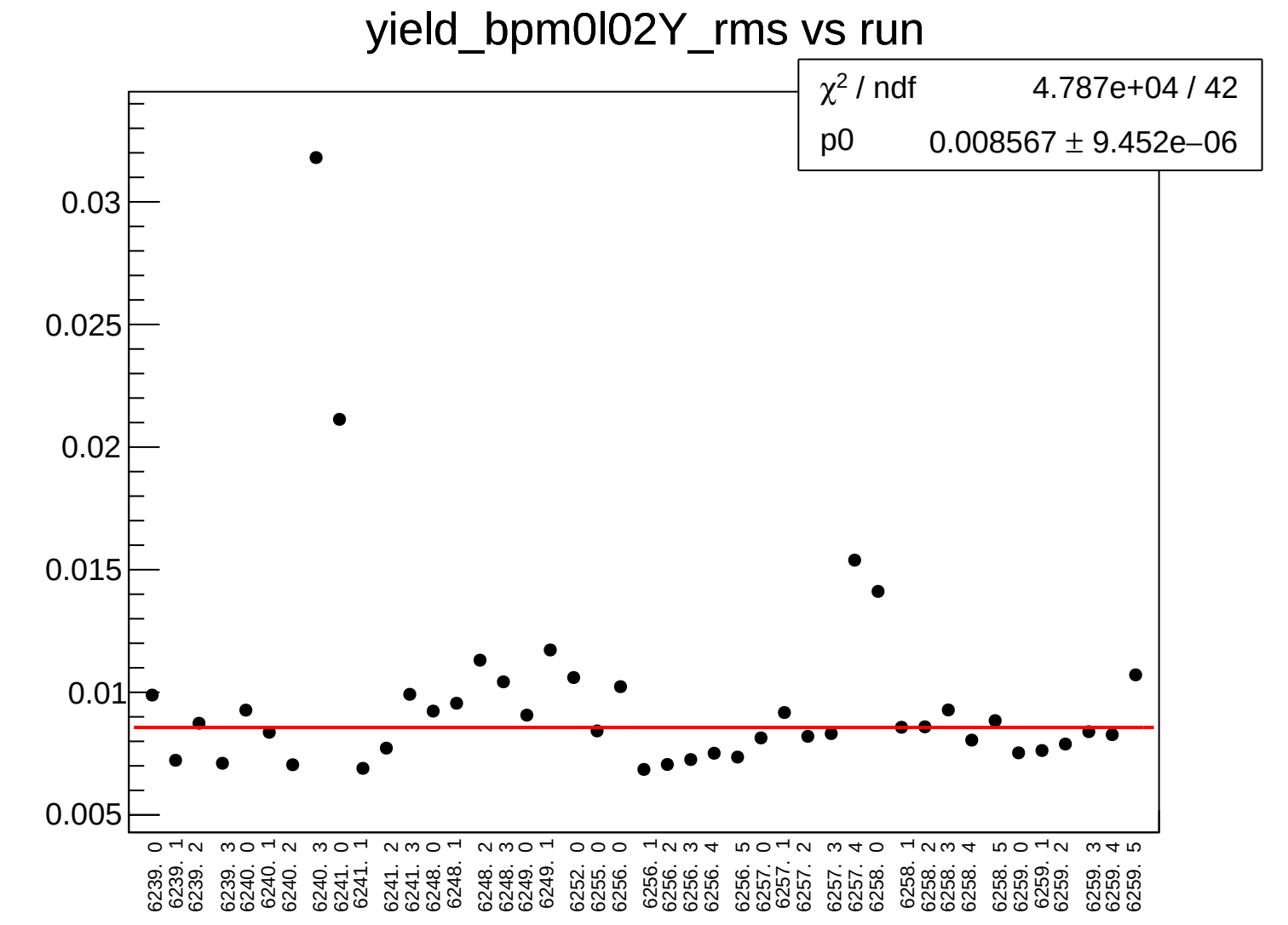

pull1D
Entries 43
Mean 1.993
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

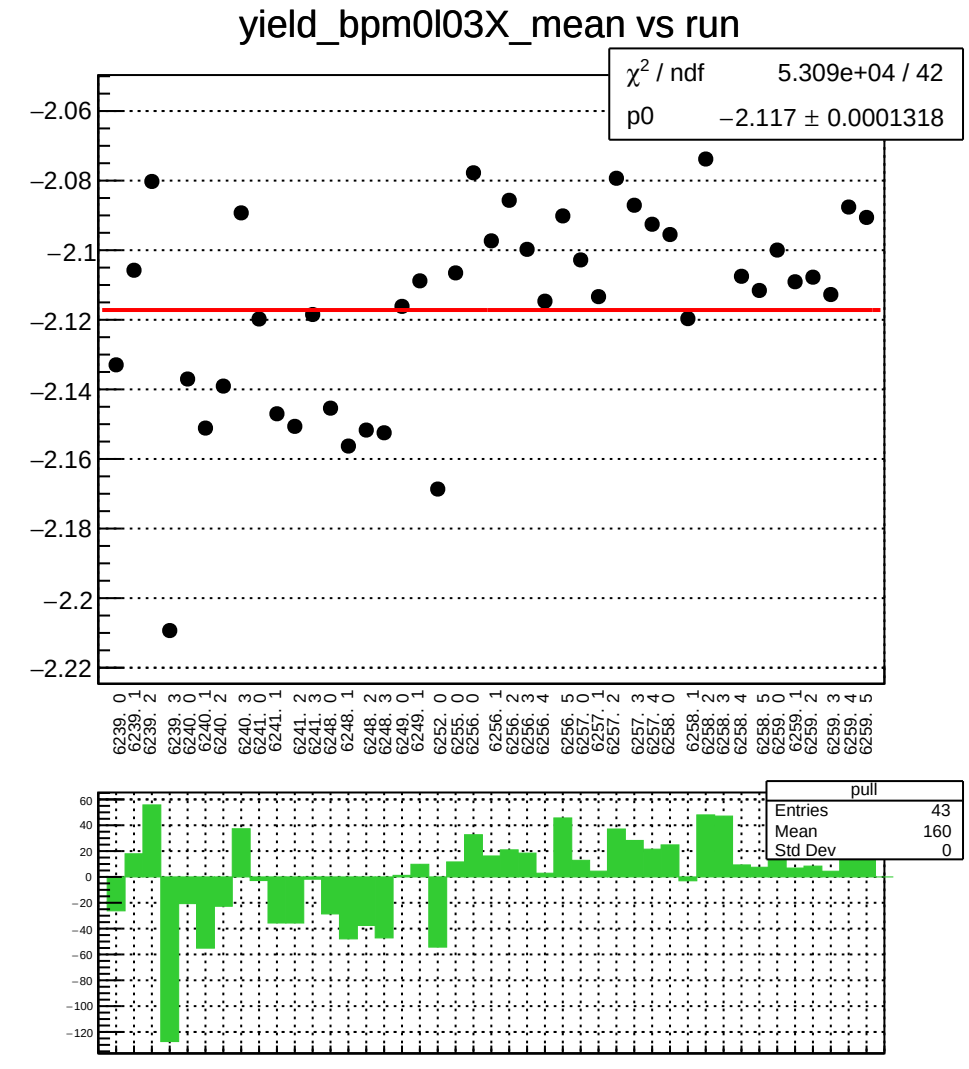

yield_bpm0l01Y_rms vs run
χ² / ndf 8.458e+04 / 42
p0 0.004895 ± 5.525e−06
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

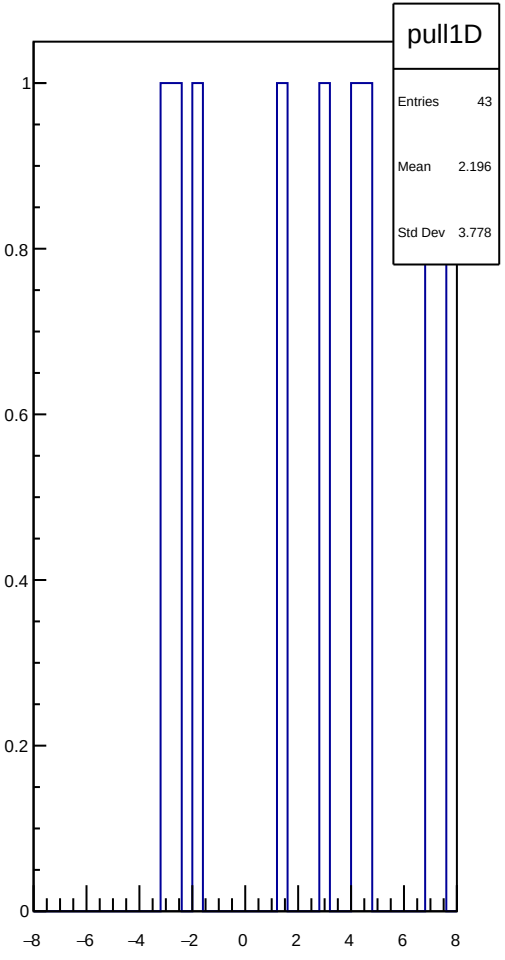

yield_bpm0l02X_mean vs run
χ² / ndf 3.837e+07 / 42
p0 0.357 ± 2.026e−05
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −258.7
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

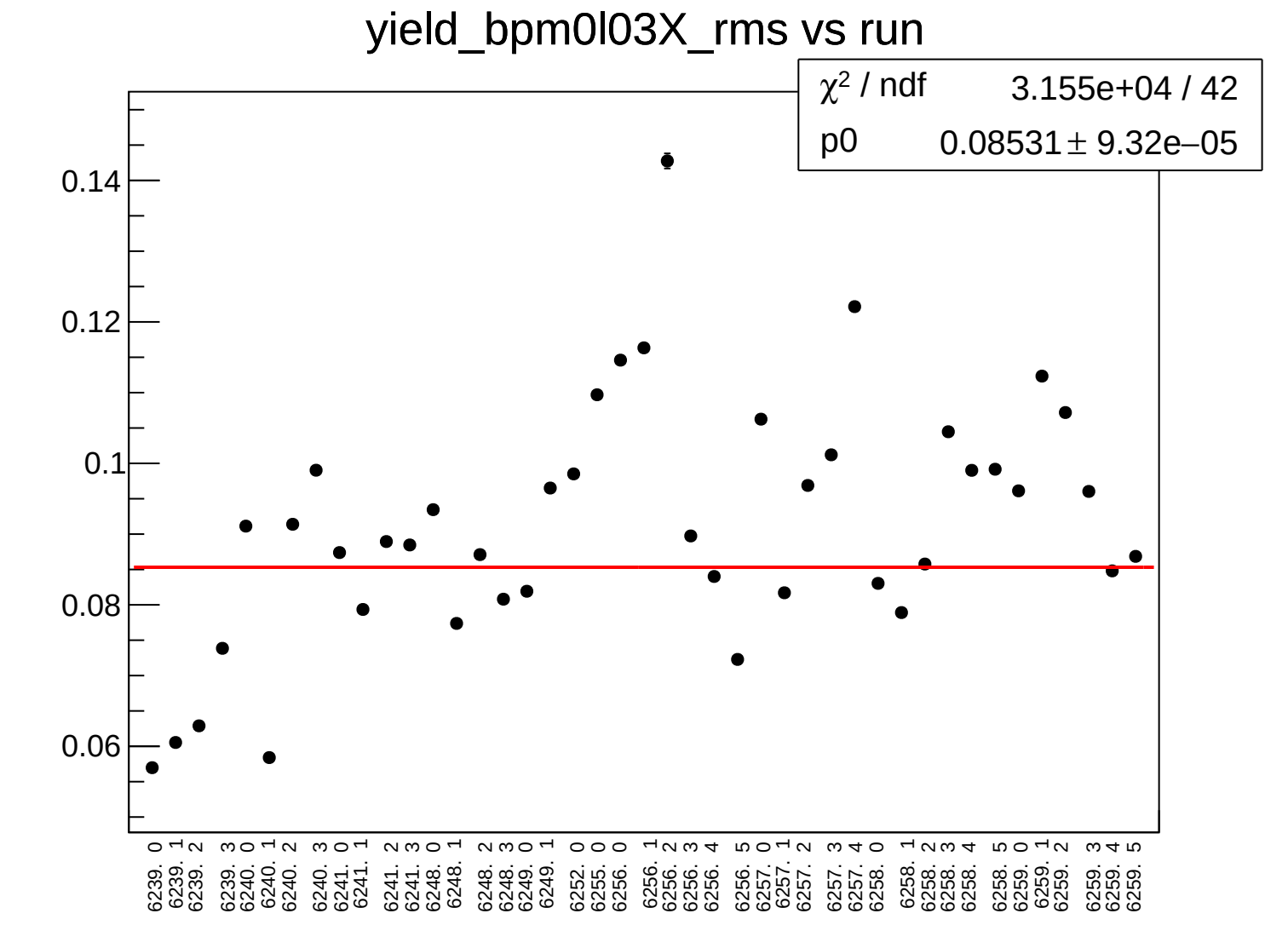

yield_bpm0l02X_rms vs run
χ² / ndf 2.335e+04 / 42
p0 0.01318 ± 1.433e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

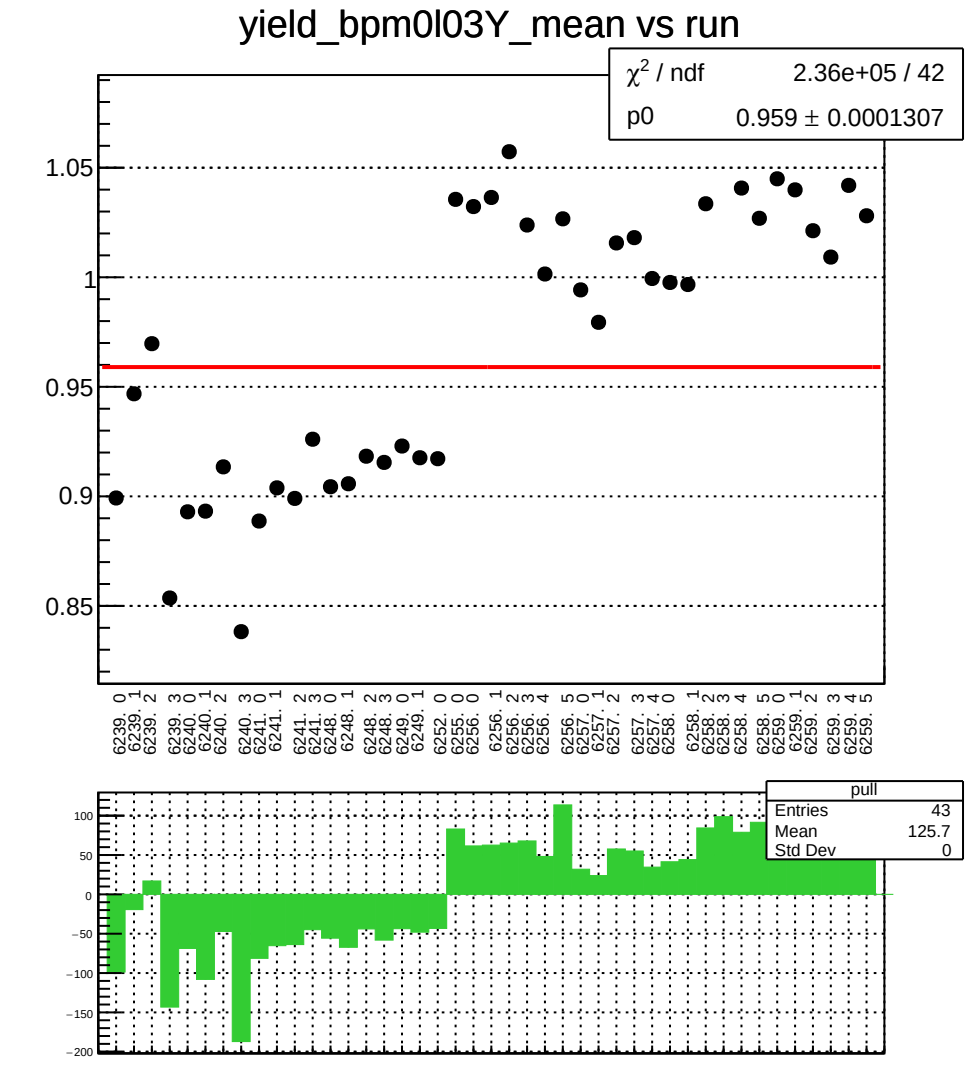

yield_bpm0l02Y_mean vs run
χ² / ndf 4.736e+06 / 42
p0 0.7638 ± 1.337e−05
0.8
0.78
0.76
0.74
0.72
0.7
0.68
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −168.8
Std Dev 0
400
200
0
−200
−400
−600
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

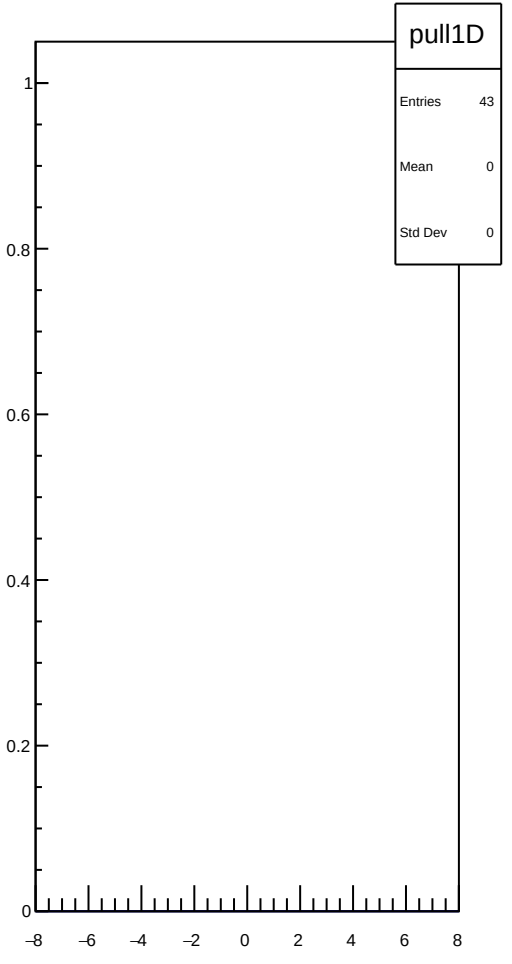

yield_bpm0l02Y_rms vs run
χ² / ndf 4.787e+04 / 42
p0 0.008567 ± 9.452e−06
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

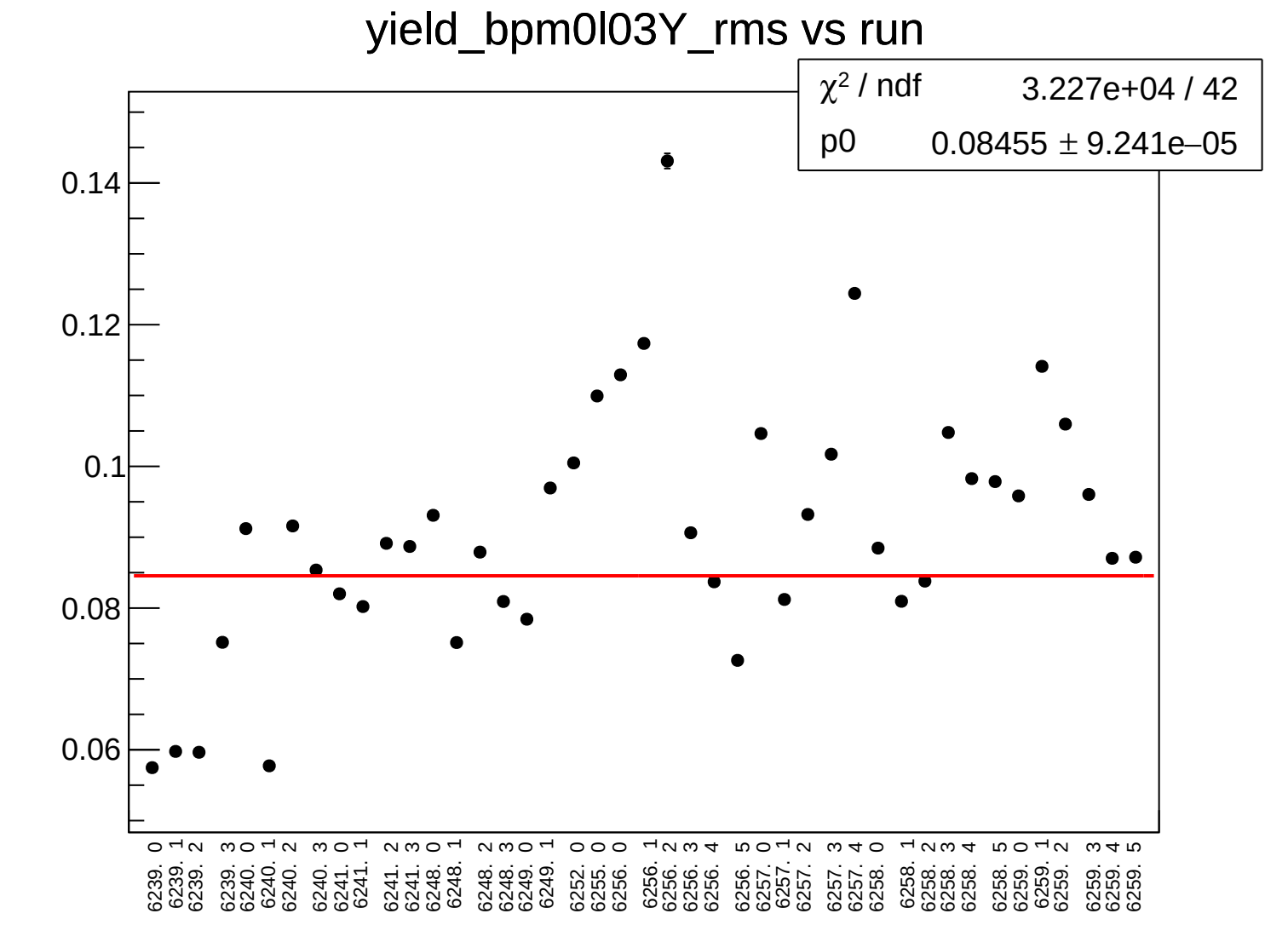

yield_bpm0l03X_mean vs run
χ² / ndf 5.309e+04 / 42
p0 −2.117 ± 0.0001318
−2.06
−2.08
−2.1
−2.12
−2.14
−2.16
−2.18
−2.2
−2.22
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 160
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120

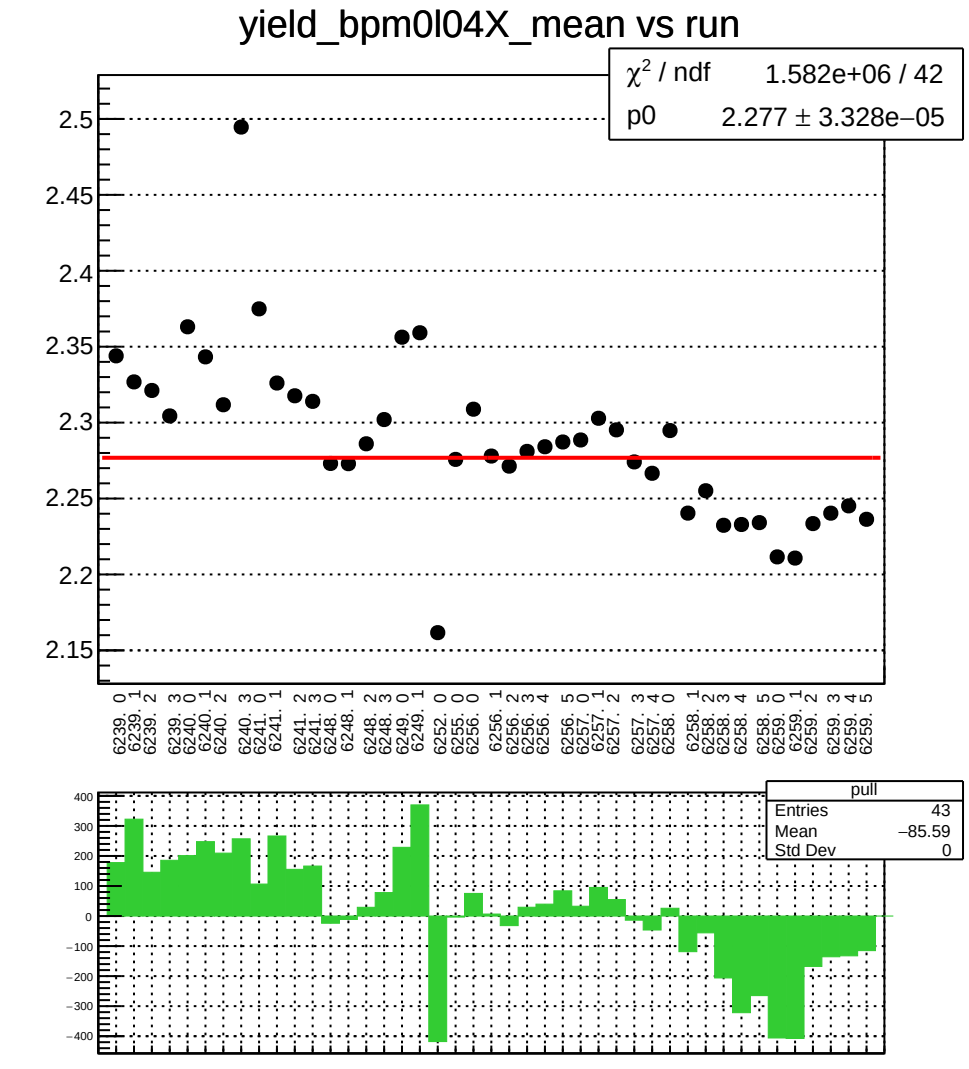

pull1D
Entries 43
Mean 2.196
Std Dev 3.778
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

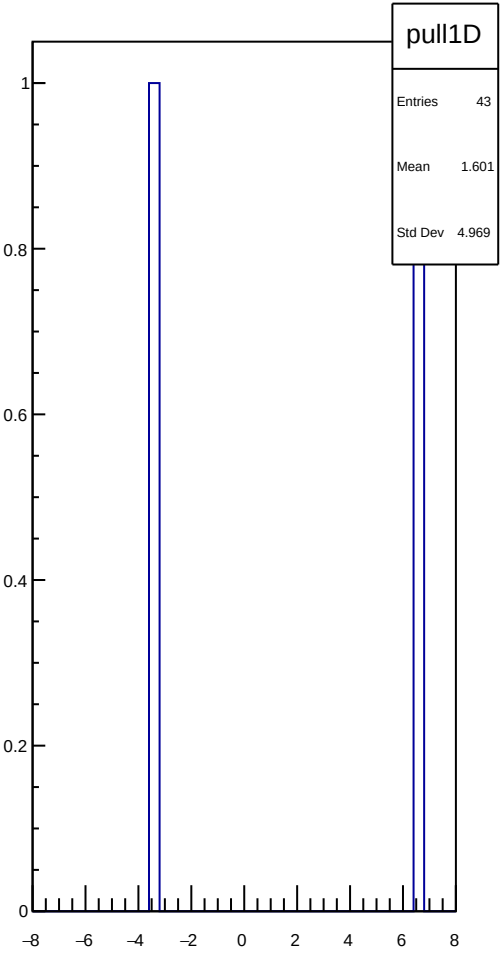

yield_bpm0l03X_rms vs run
χ² / ndf 3.155e+04 / 42
p0 0.08531 ± 9.32e−05
0.14
0.12
0.1
0.08
0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

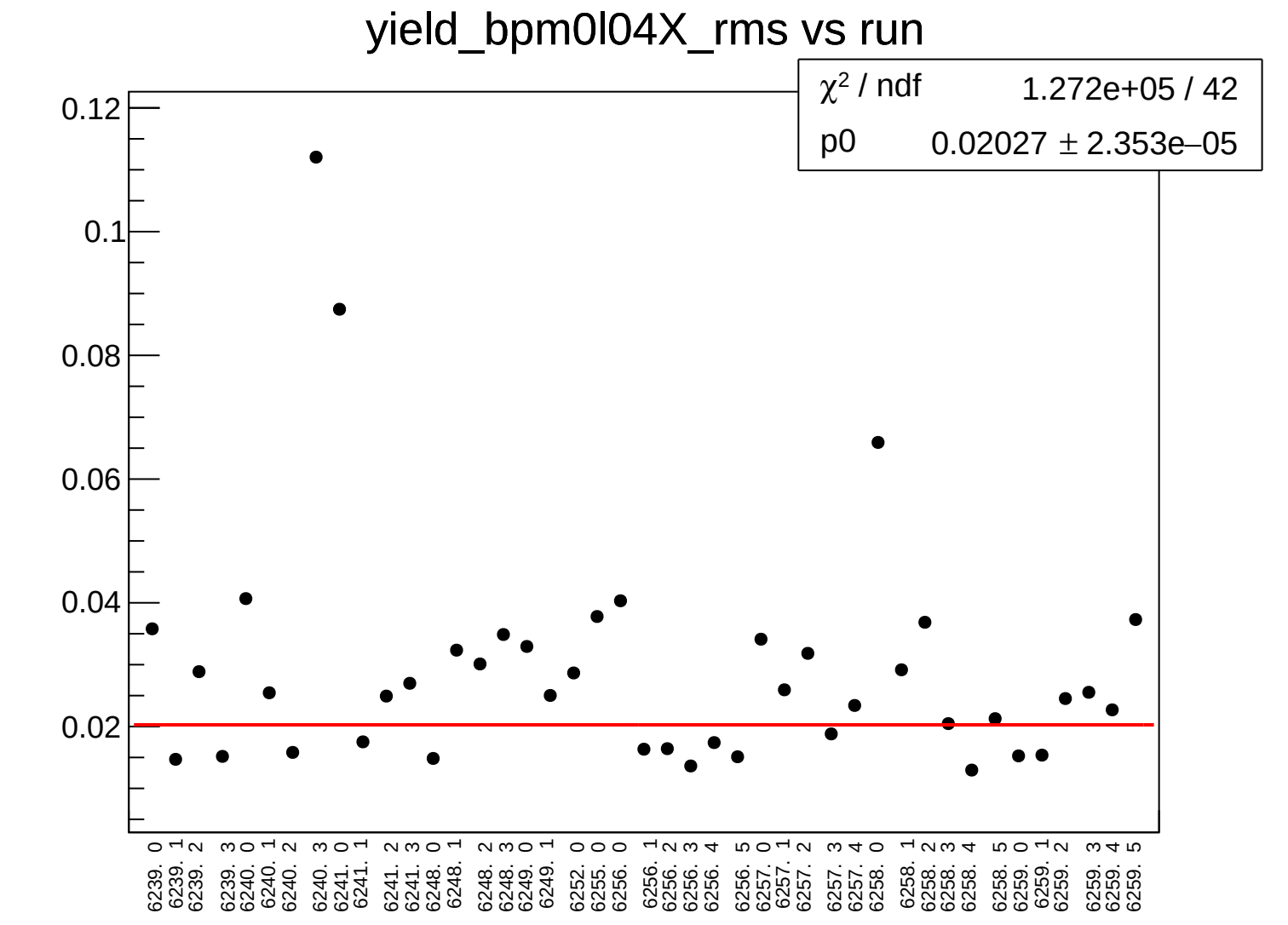

yield_bpm0l03Y_mean vs run
χ² / ndf 2.36e+05 / 42
p0 0.959 ± 0.0001307
1.05
1
0.95
0.9
0.85
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 125.7
Std Dev 0
100
50
0
−50
−100
−150
−200

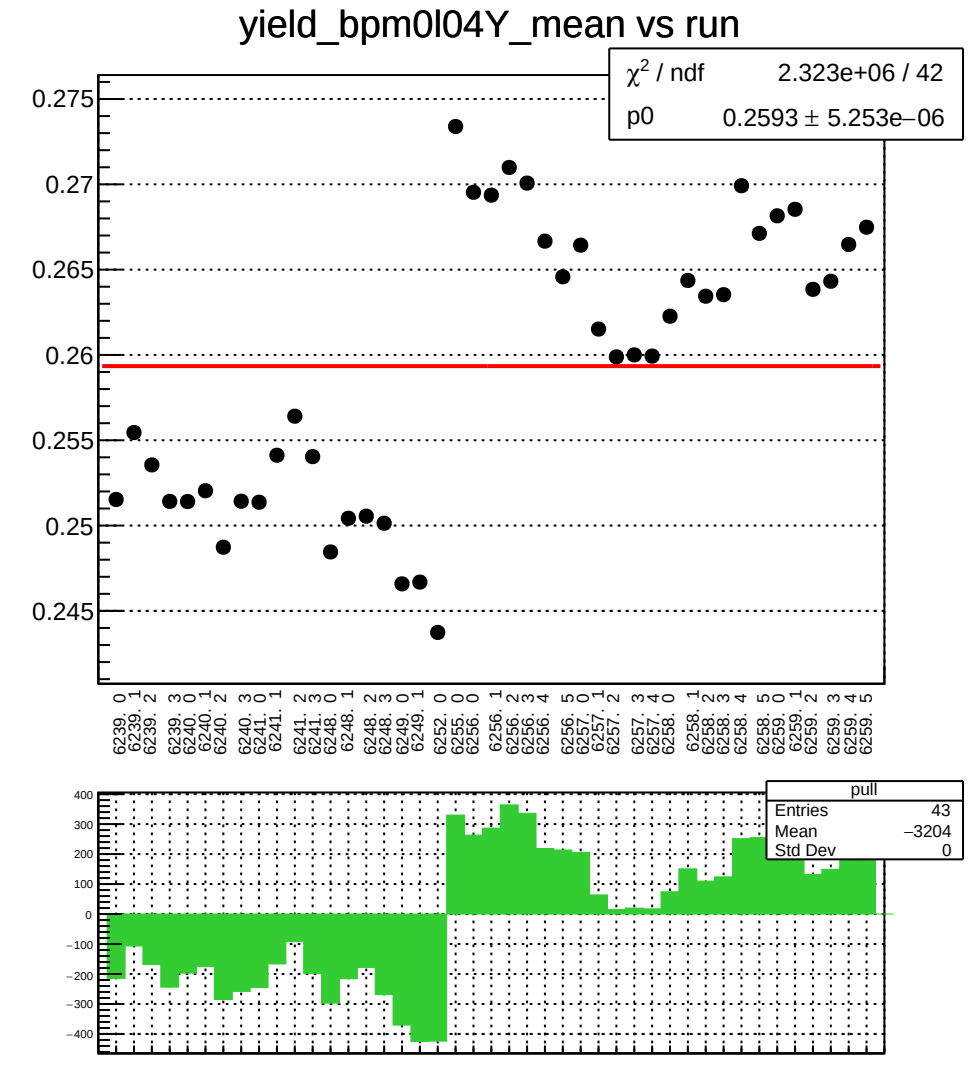

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

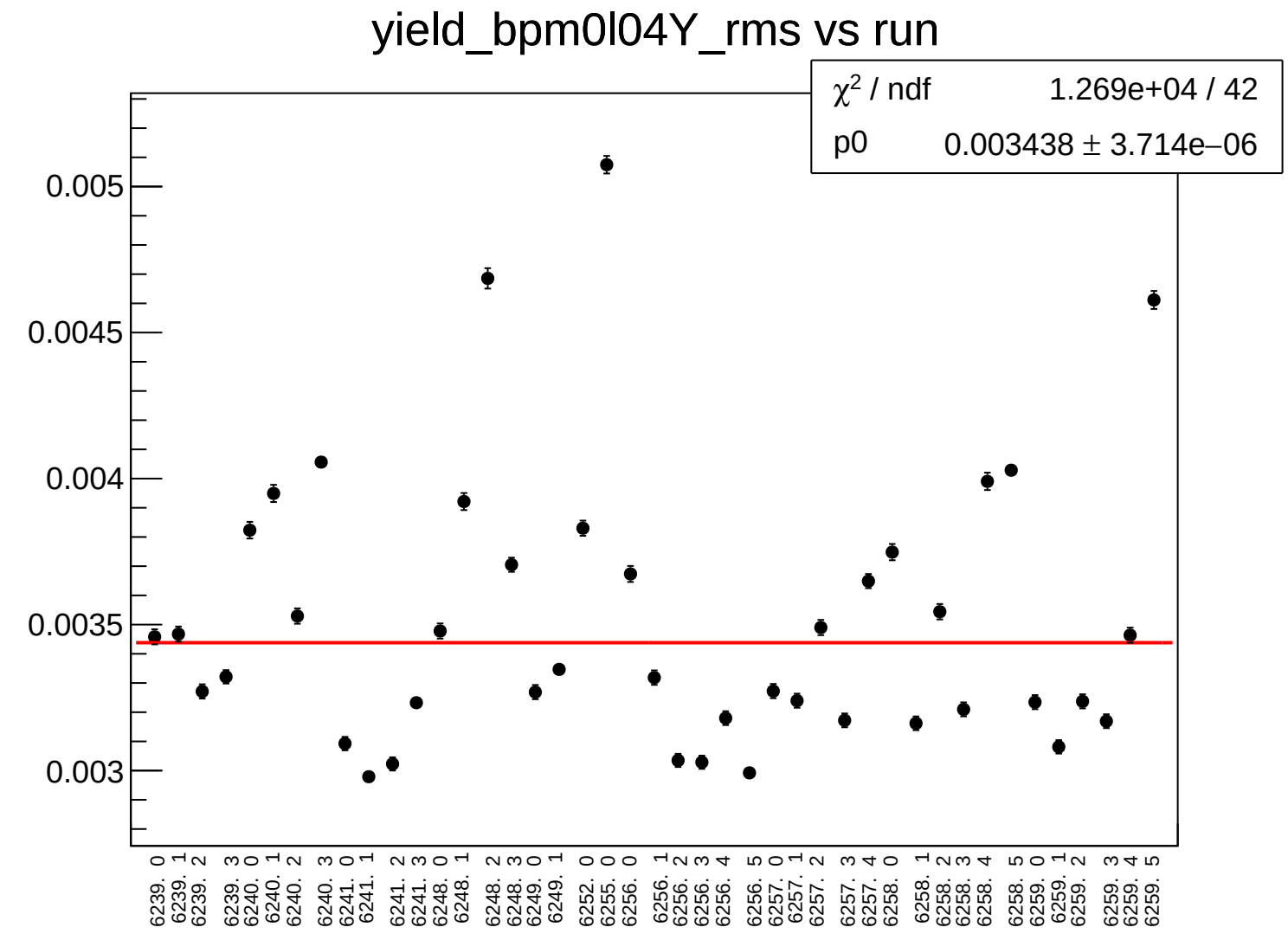

yield_bpm0l03Y_rms vs run
χ² / ndf 3.227e+04 / 42
p0 0.08455 ± 9.241e–05
0.14
0.12
0.1
0.08
0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

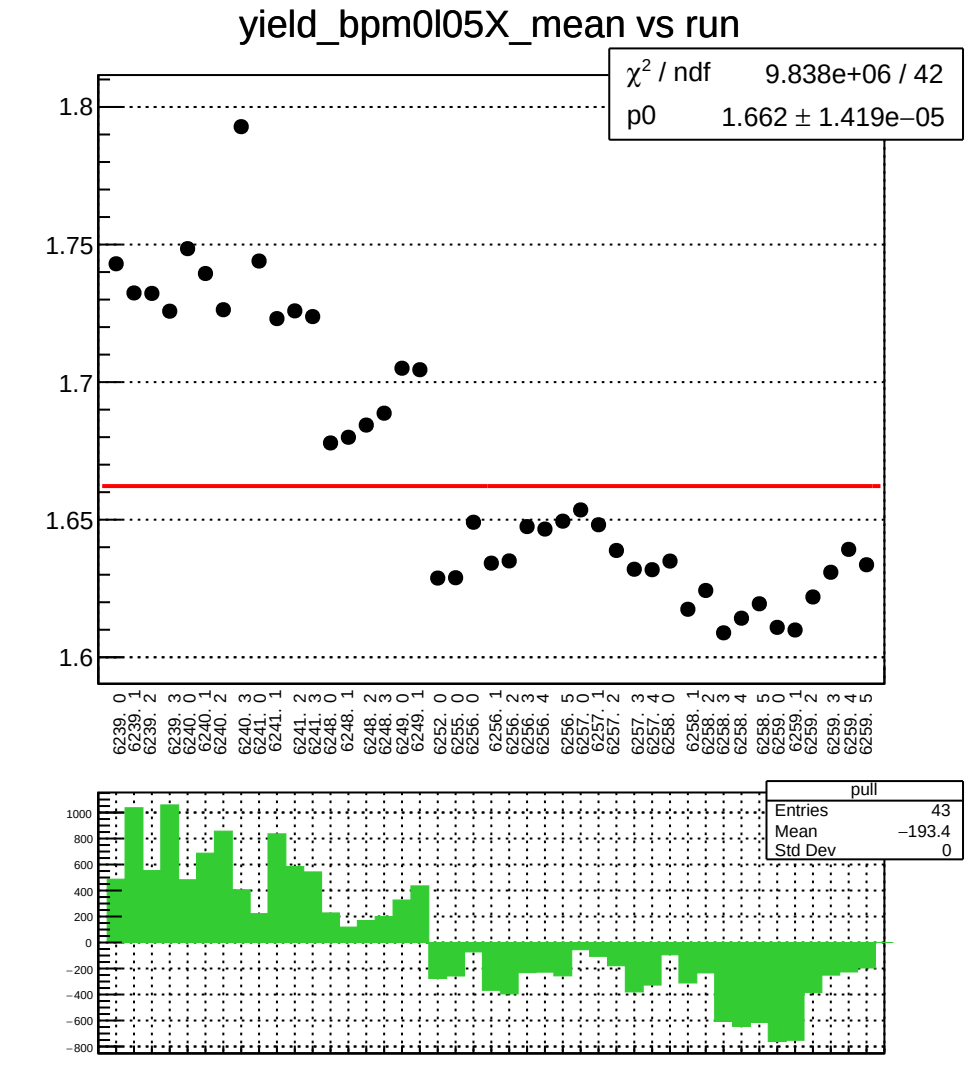

yield_bpm0l04X_mean vs run
χ² / ndf 1.582e+06 / 42
p0 2.277 ± 3.328e−05
2.5
2.45
2.4
2.35
2.3
2.25
2.2
2.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −85.59
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

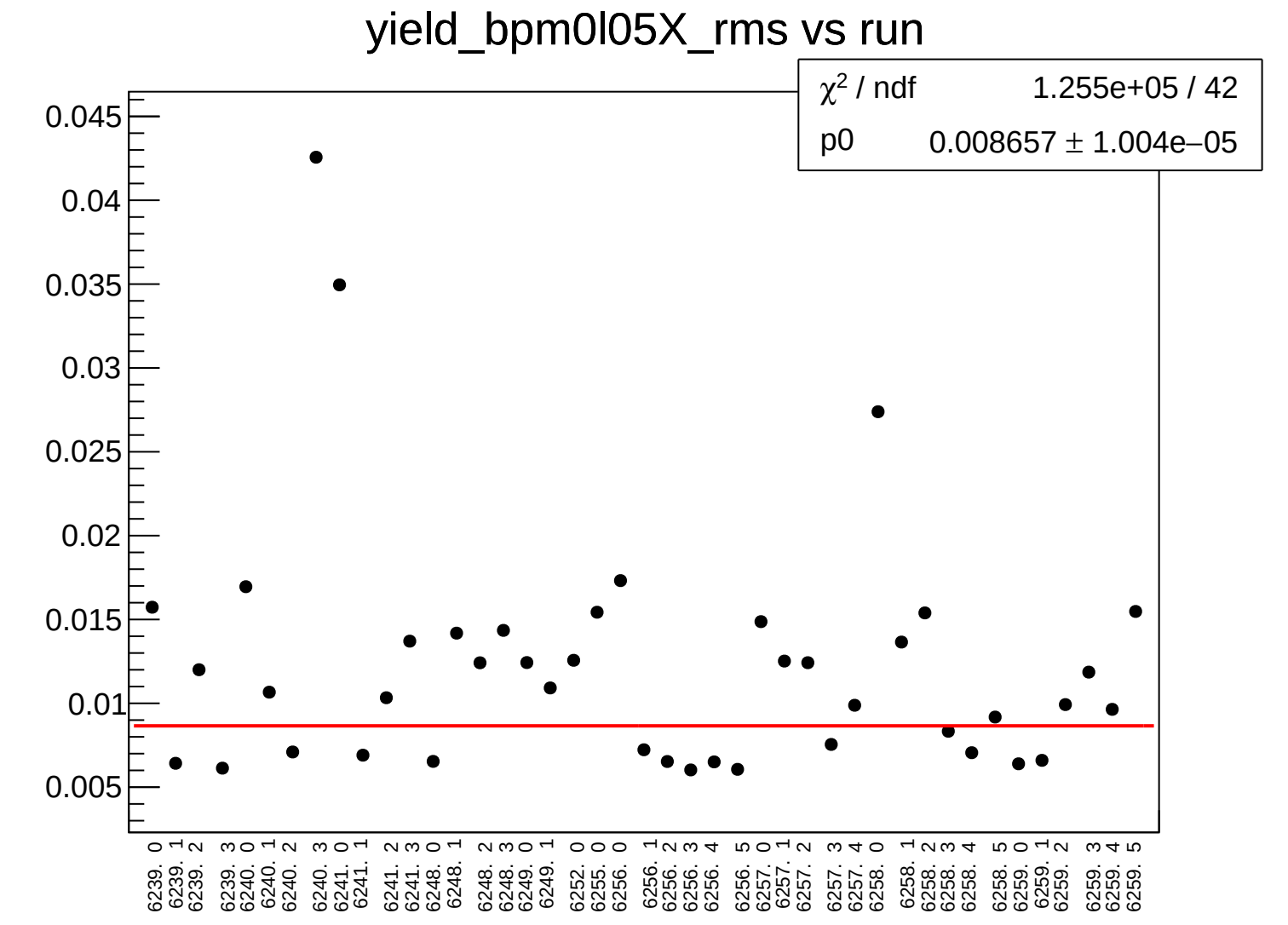

pull1D
Entries 43
Mean 1.601
Std Dev 4.969
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

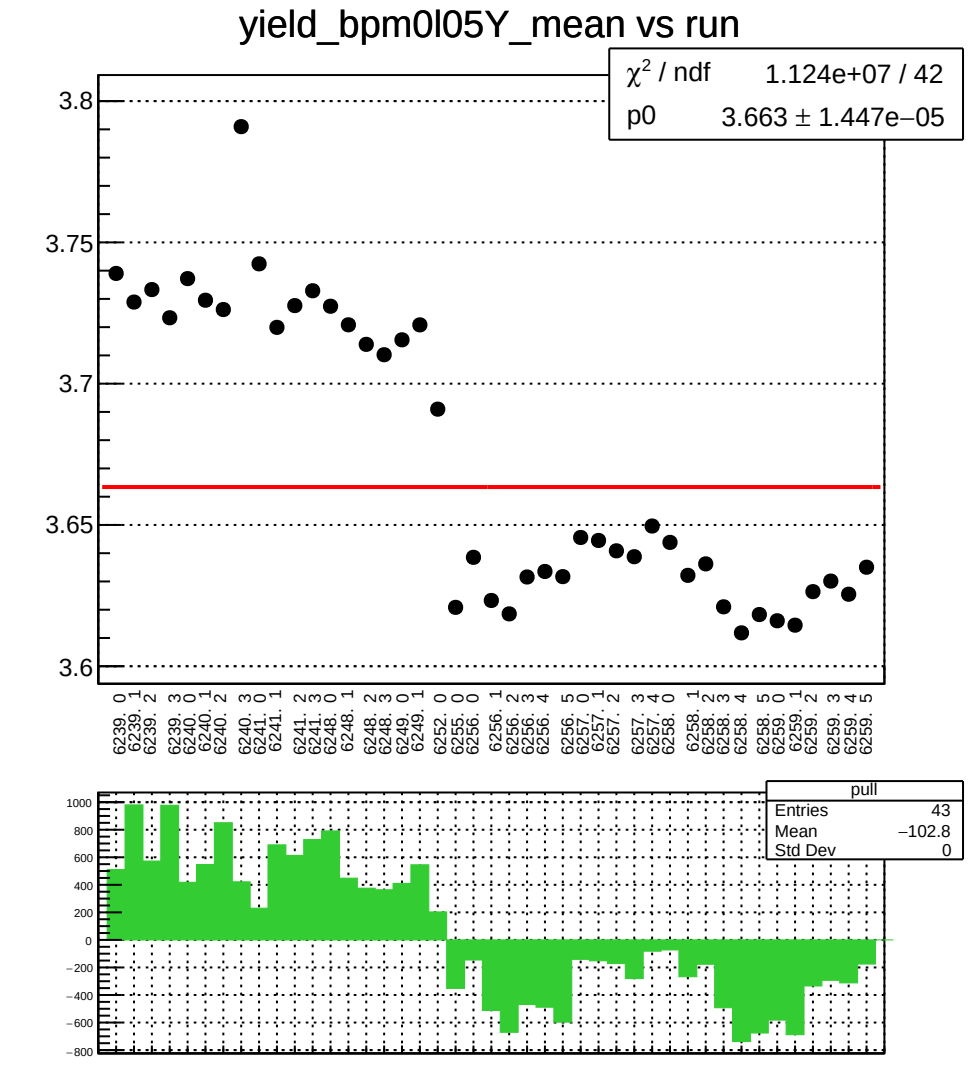

yield_bpm0l04X_rms vs run
χ² / ndf 1.272e+05 / 42
p0 0.02027 ± 2.353e–05
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

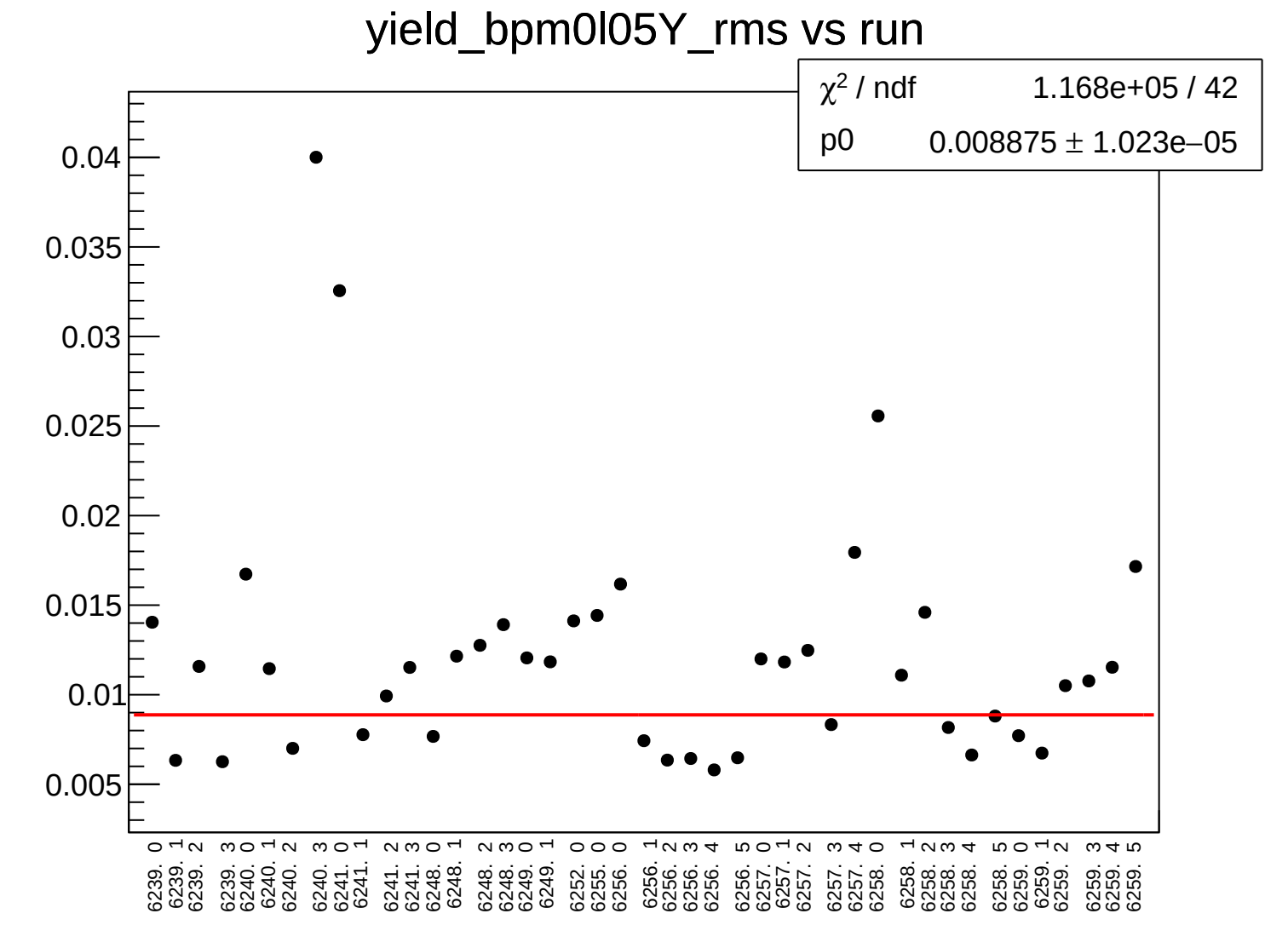

yield_bpm0l04Y_mean vs run
χ² / ndf 2.323e+06 / 42
p0 0.2593 ± 5.253e−06
0.275
0.27
0.265
0.26
0.255
0.25
0.245
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −3204
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

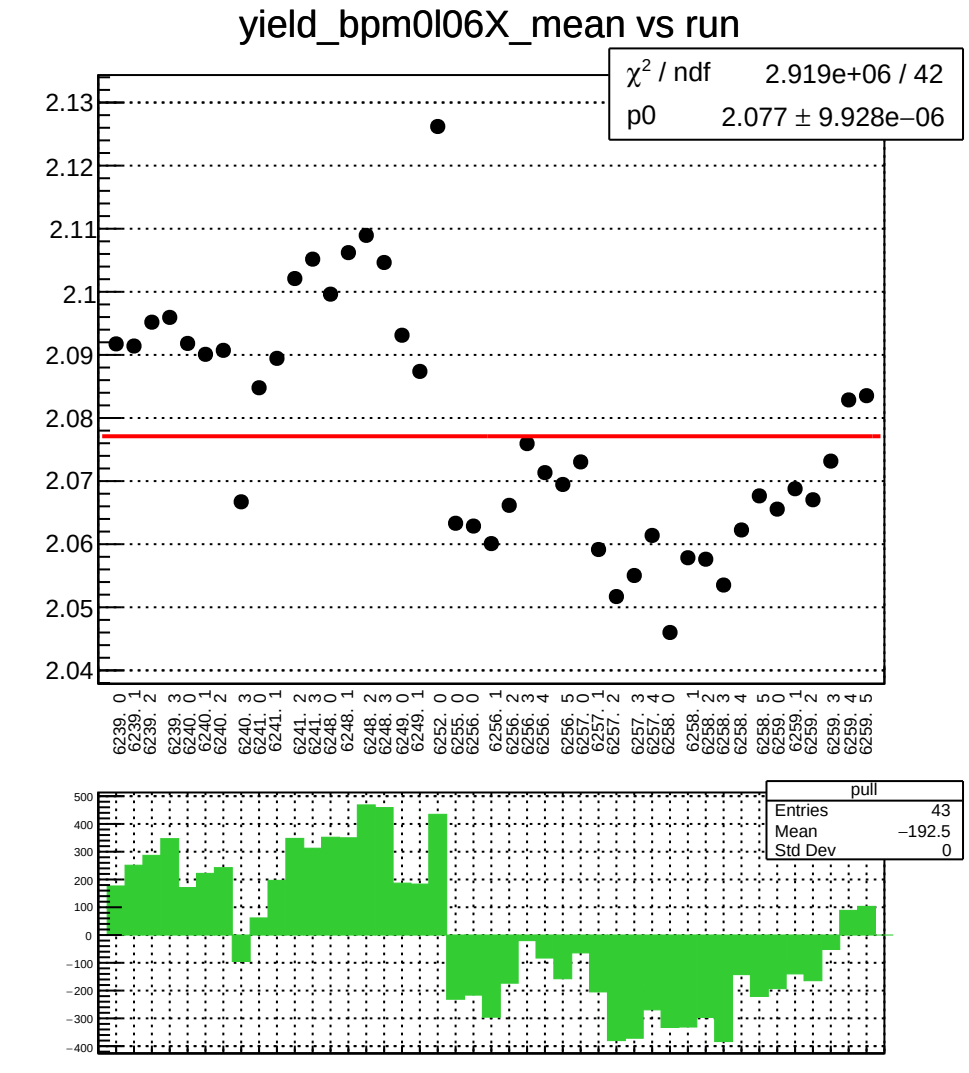

yield_bpm0l04Y_rms vs run
χ² / ndf 1.269e+04 / 42
p0 0.003438 ± 3.714e−06
0.005
0.0045
0.004
0.0035
0.003
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

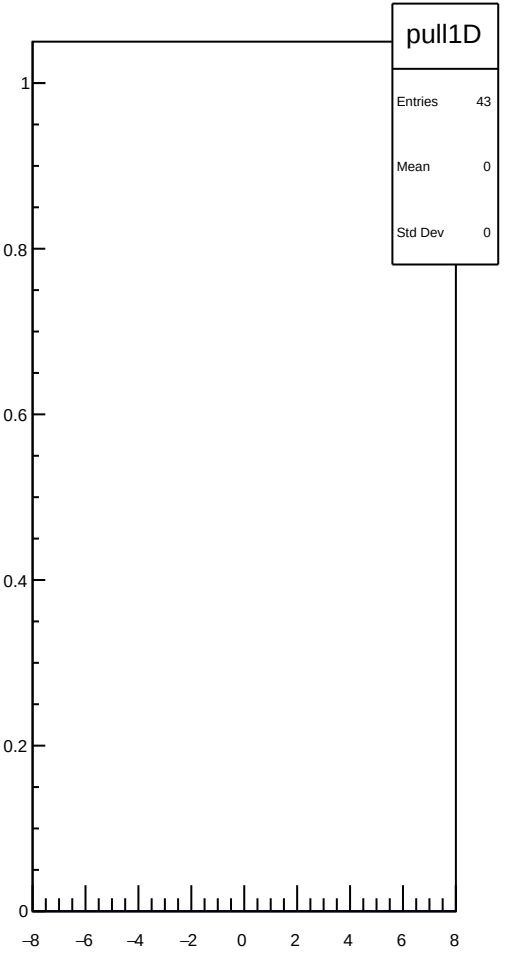

yield_bpm0l05X_mean vs run
χ² / ndf 9.838e+06 / 42
p0 1.662 ± 1.419e−05
1.8
1.75
1.7
1.65
1.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −193.4
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

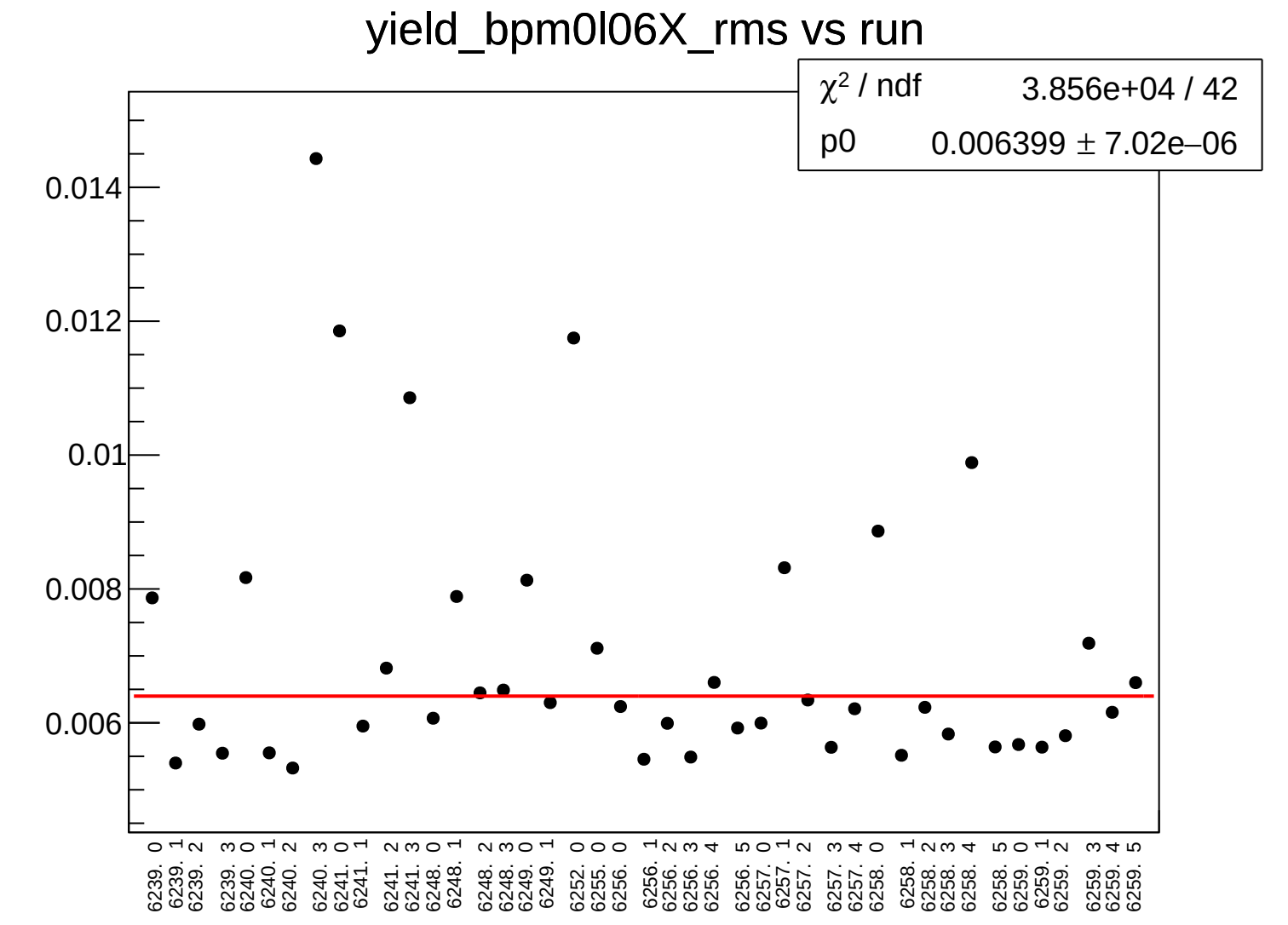

yield_bpm0l05X_rms vs run
χ² / ndf 1.255e+05 / 42
p0 0.008657 ± 1.004e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

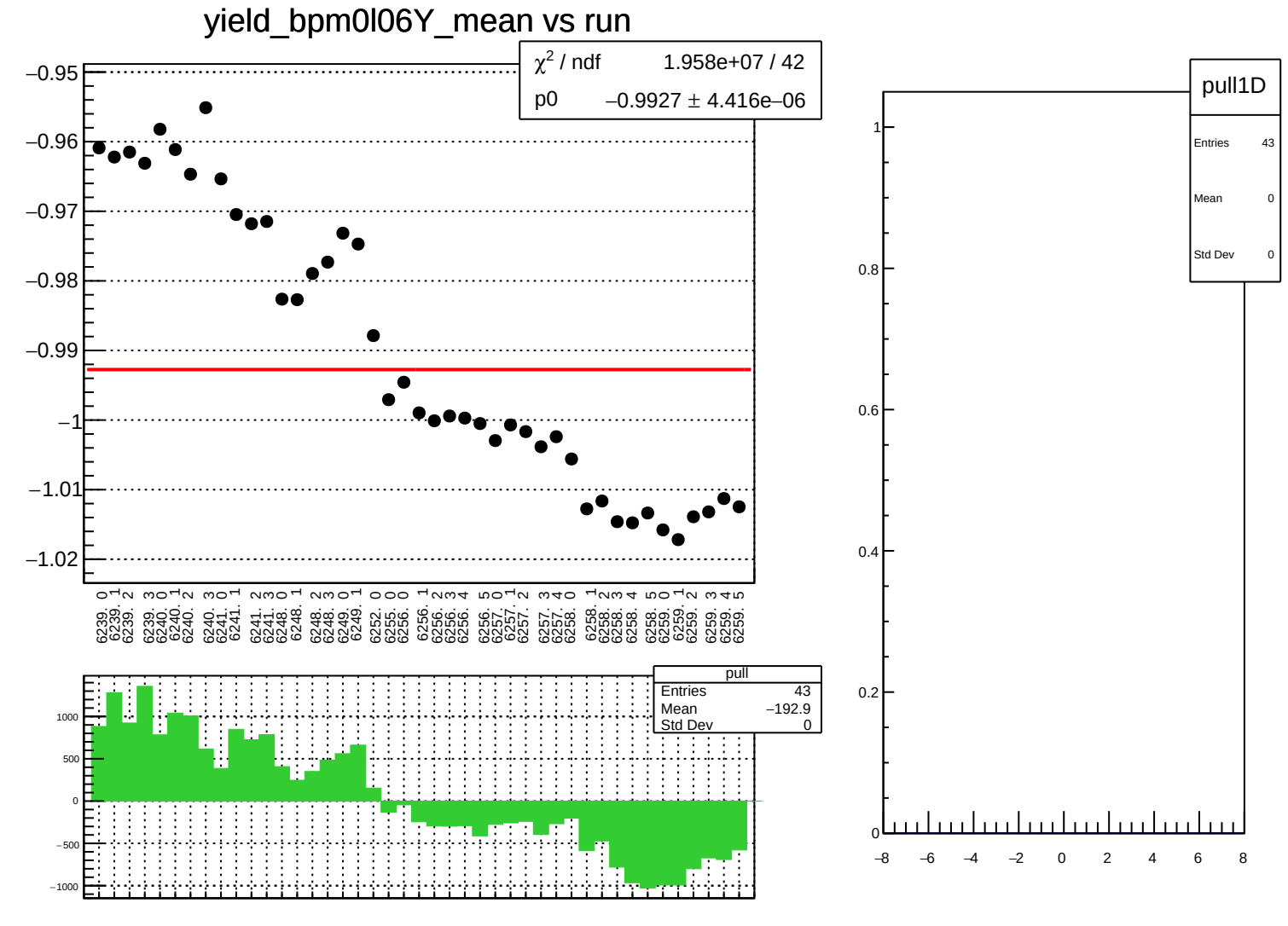

yield_bpm0l05Y_mean vs run
χ² / ndf 1.124e+07 / 42
p0 3.663 ± 1.447e−05
3.8
3.75
3.7
3.65
3.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −102.8
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

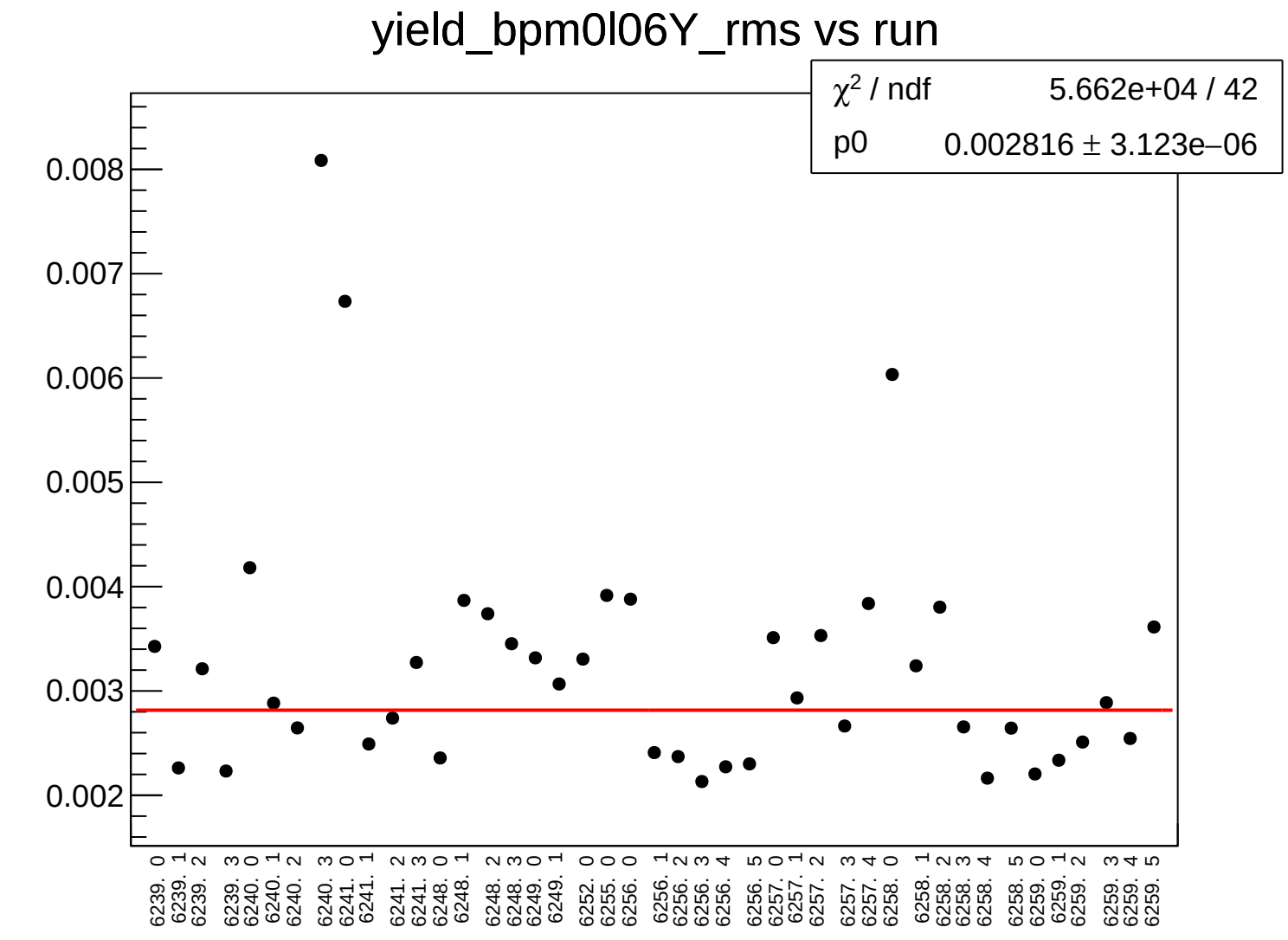

yield_bpm0l05Y_rms vs run
χ² / ndf 1.168e+05 / 42
p0 0.008875 ± 1.023e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

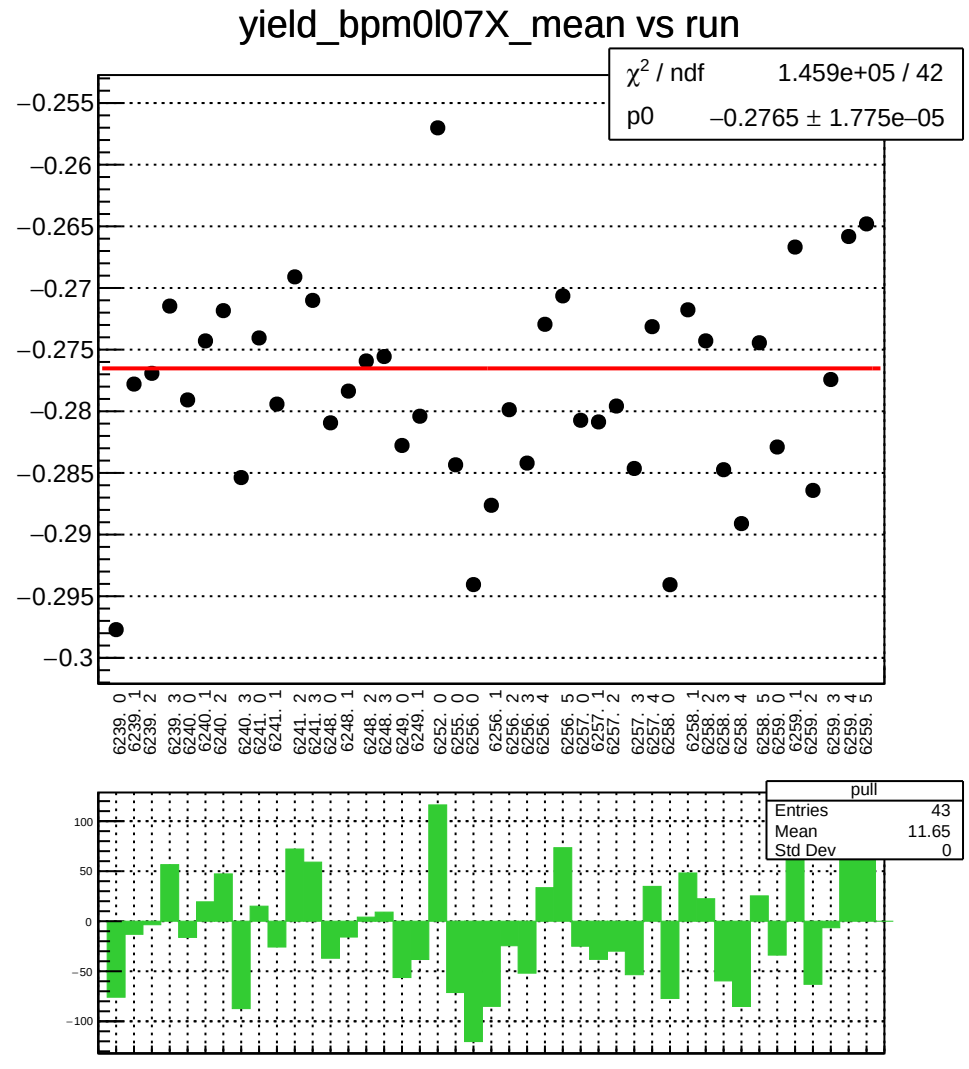

yield_bpm0l06X_mean vs run
χ² / ndf 2.919e+06 / 42
p0 2.077 ± 9.928e−06
2.13
2.12
2.11
2.1
2.09
2.08
2.07
2.06
2.05
2.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −192.5
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

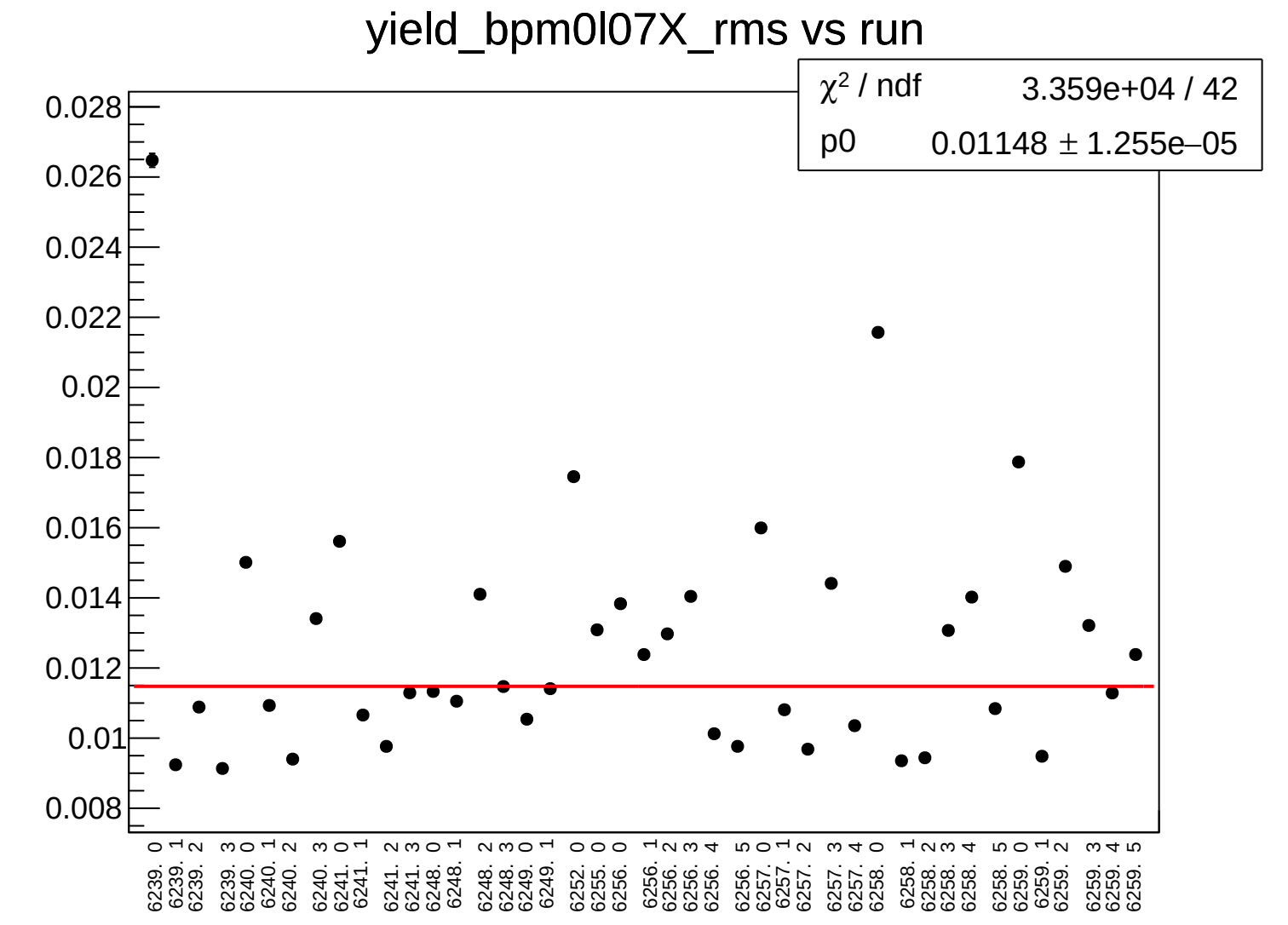

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

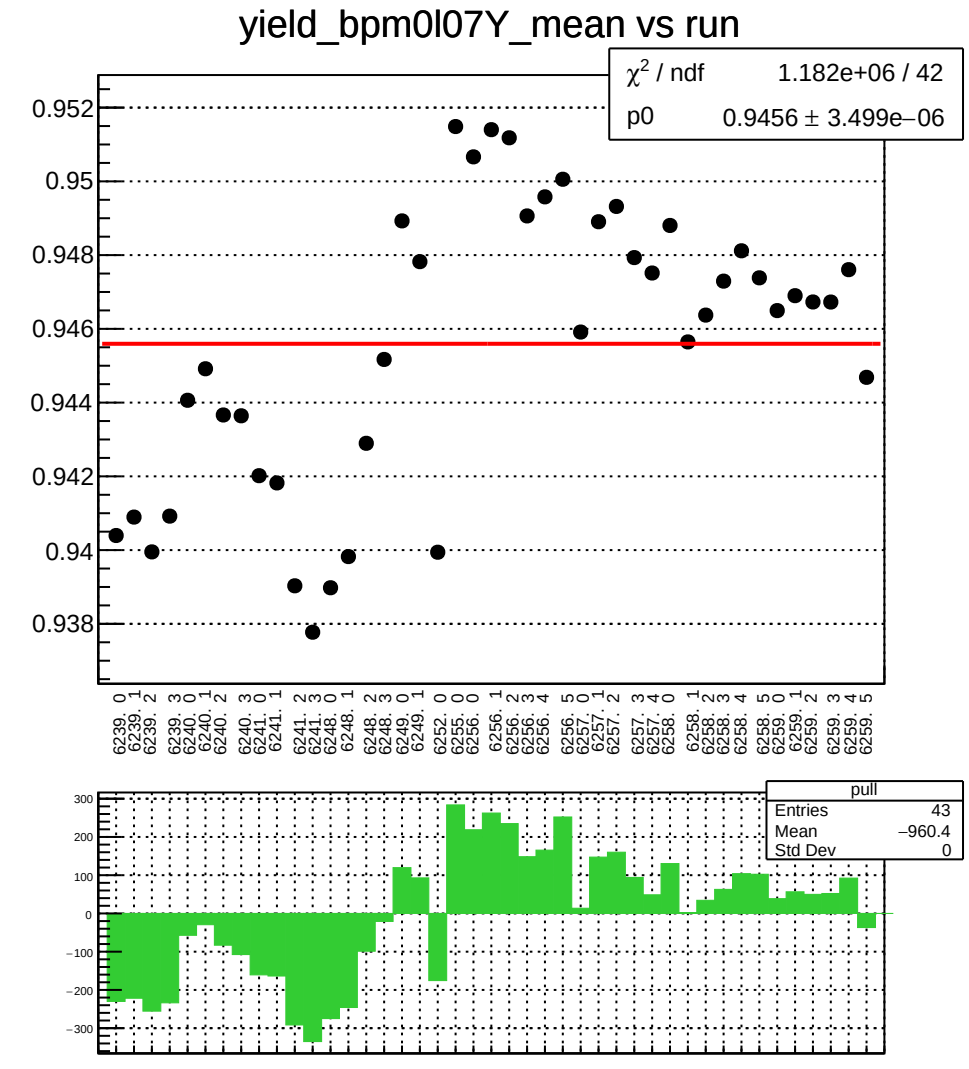

yield_bpm0l06X_rms vs run
χ² / ndf 3.856e+04 / 42
p0 0.006399 ± 7.02e–06
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

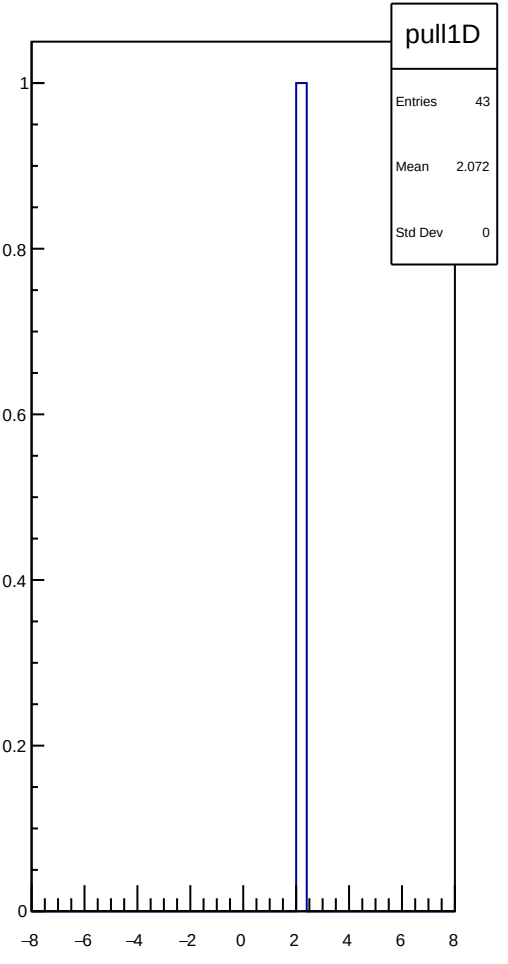

yield_bpm0l06Y_mean vs run
χ² / ndf 1.958e+07 / 42
p0 −0.9927 ± 4.416e−06
−0.95
−0.96
−0.97
−0.98
−0.99
−1
−1.01
−1.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −192.9
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

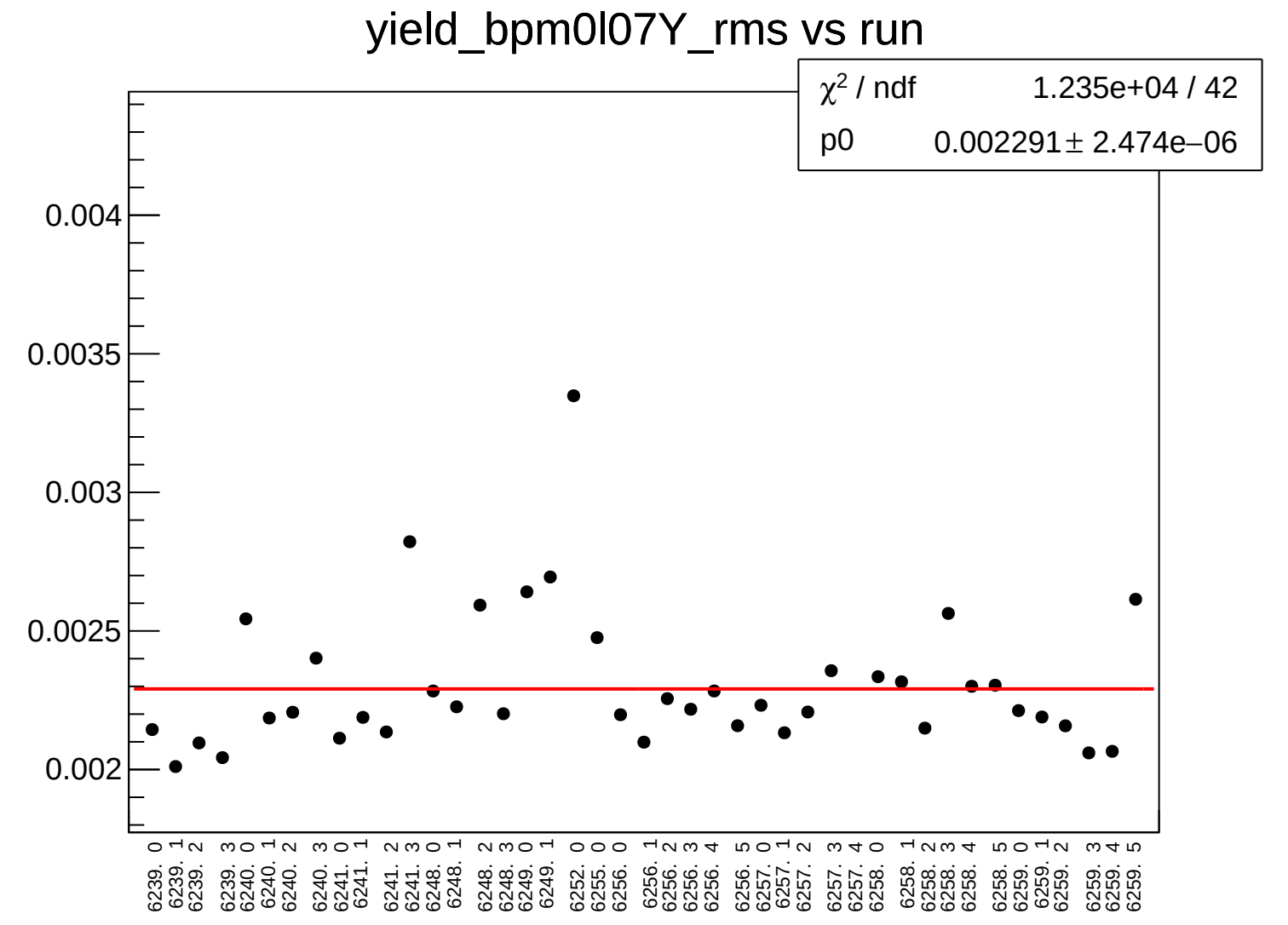

yield_bpm0l06Y_rms vs run
χ² / ndf 5.662e+04 / 42
p0 0.002816 ± 3.123e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

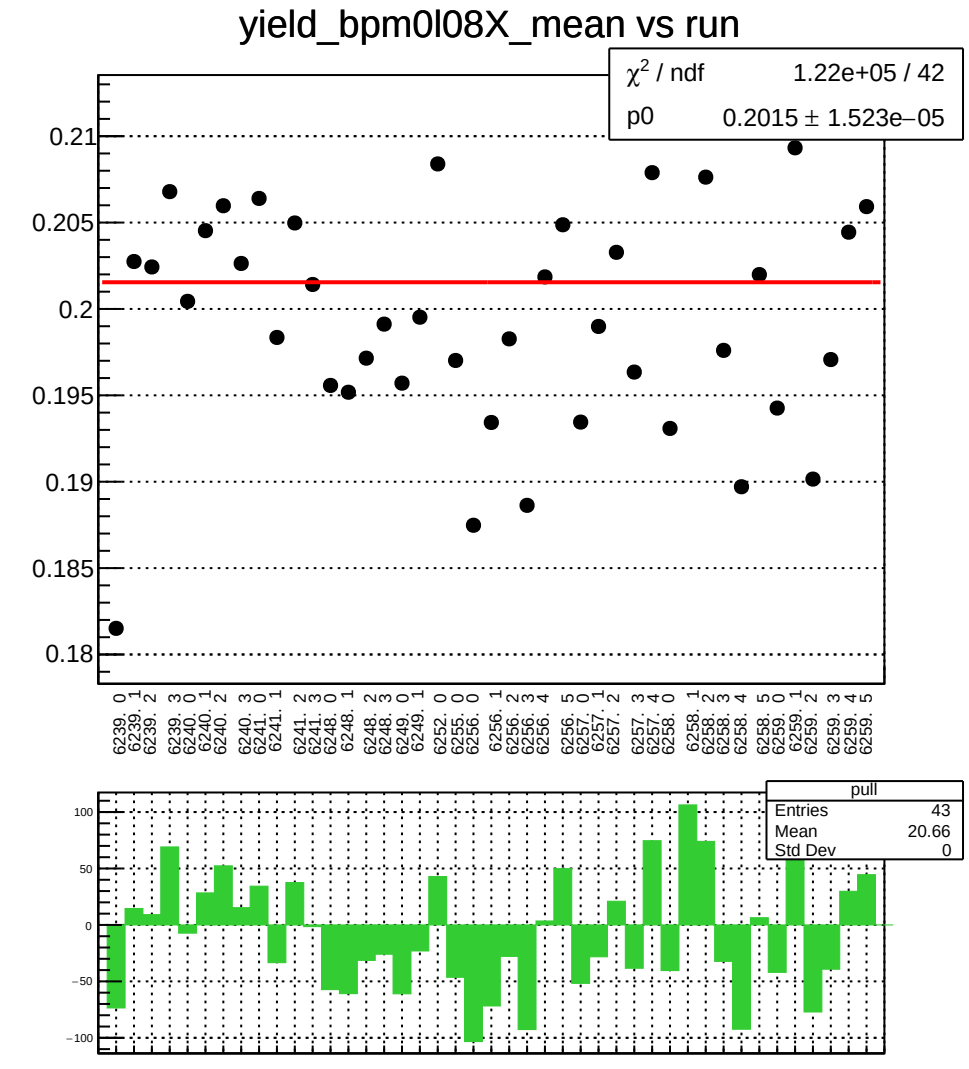

yield_bpm0l07X_mean vs run
χ² / ndf 1.459e+05 / 42
p0 −0.2765 ± 1.775e−05
−0.255
−0.26
−0.265
−0.27
−0.275
−0.28
−0.285
−0.29
−0.295
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.65
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 43
Mean −1.963
Std Dev 4.435
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

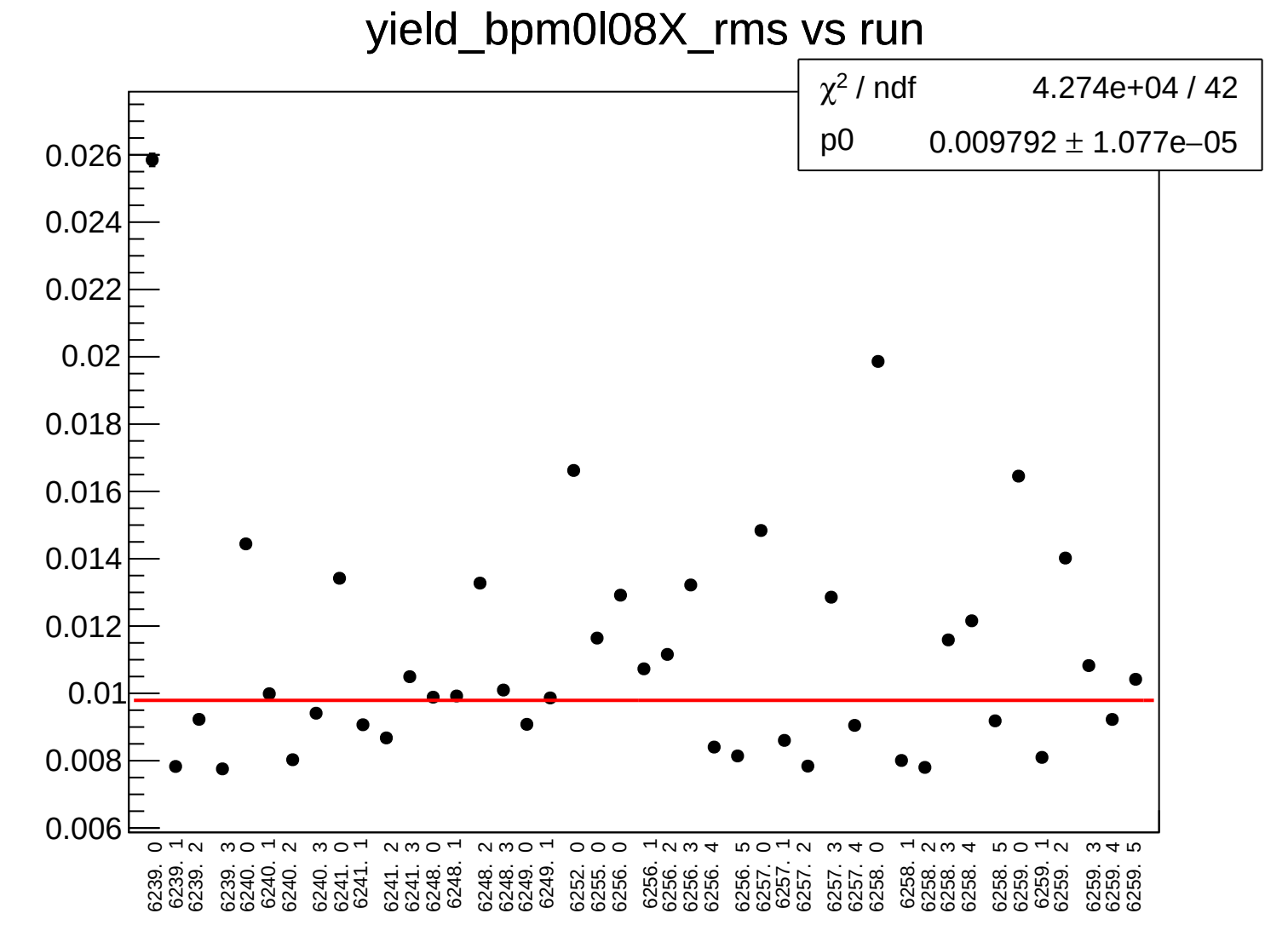

yield_bpm0l07X_rms vs run
χ² / ndf 3.359e+04 / 42
p0 0.01148 ± 1.255e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

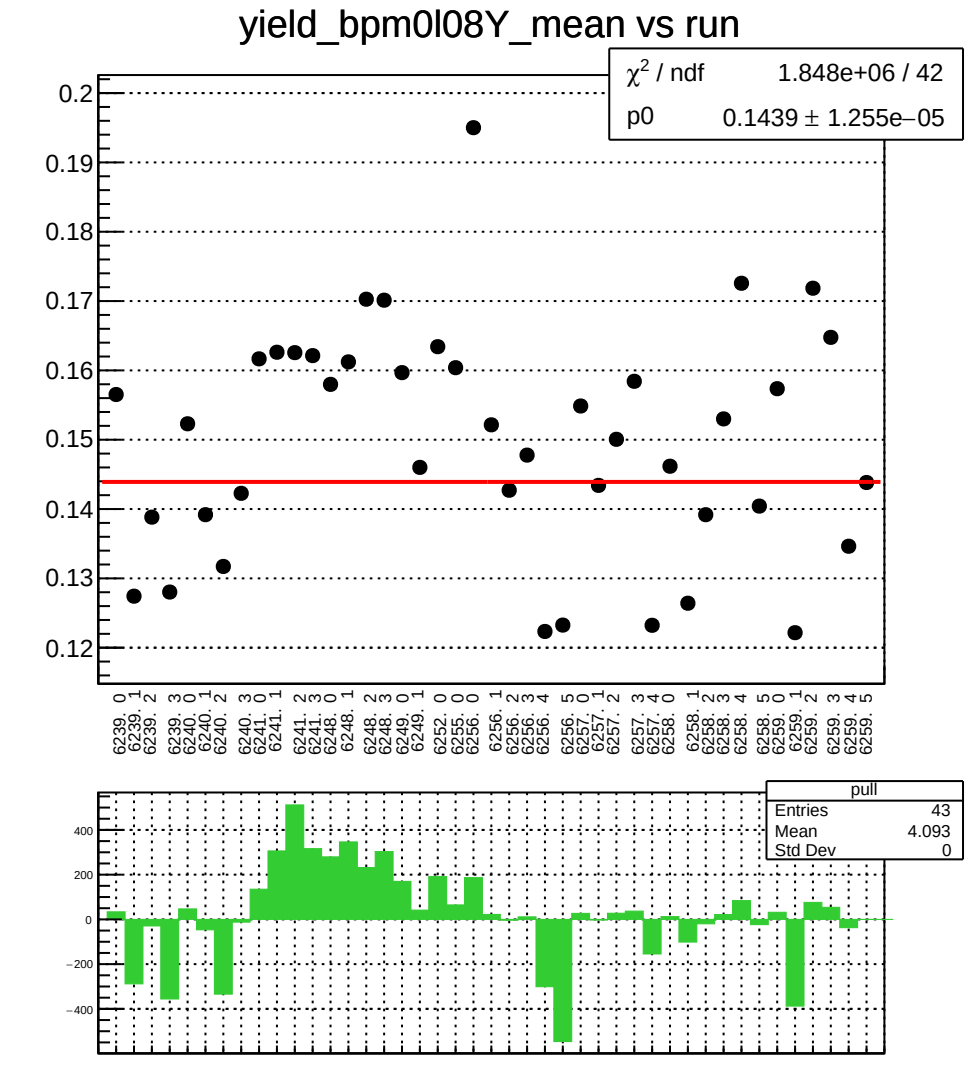

yield_bpm0l07Y_mean vs run
χ² / ndf 1.182e+06 / 42
p0 0.9456 ± 3.499e−06
0.952
0.95
0.948
0.946
0.944
0.942
0.94
0.938
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −960.4
Std Dev 0
300
200
100
0
−100
−200
−300

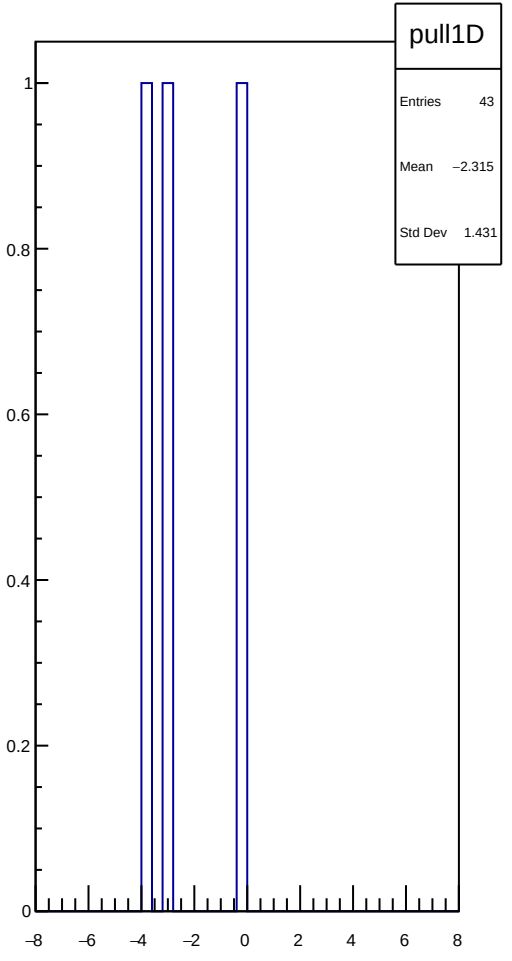

pull1D
Entries 43
Mean 2.072
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

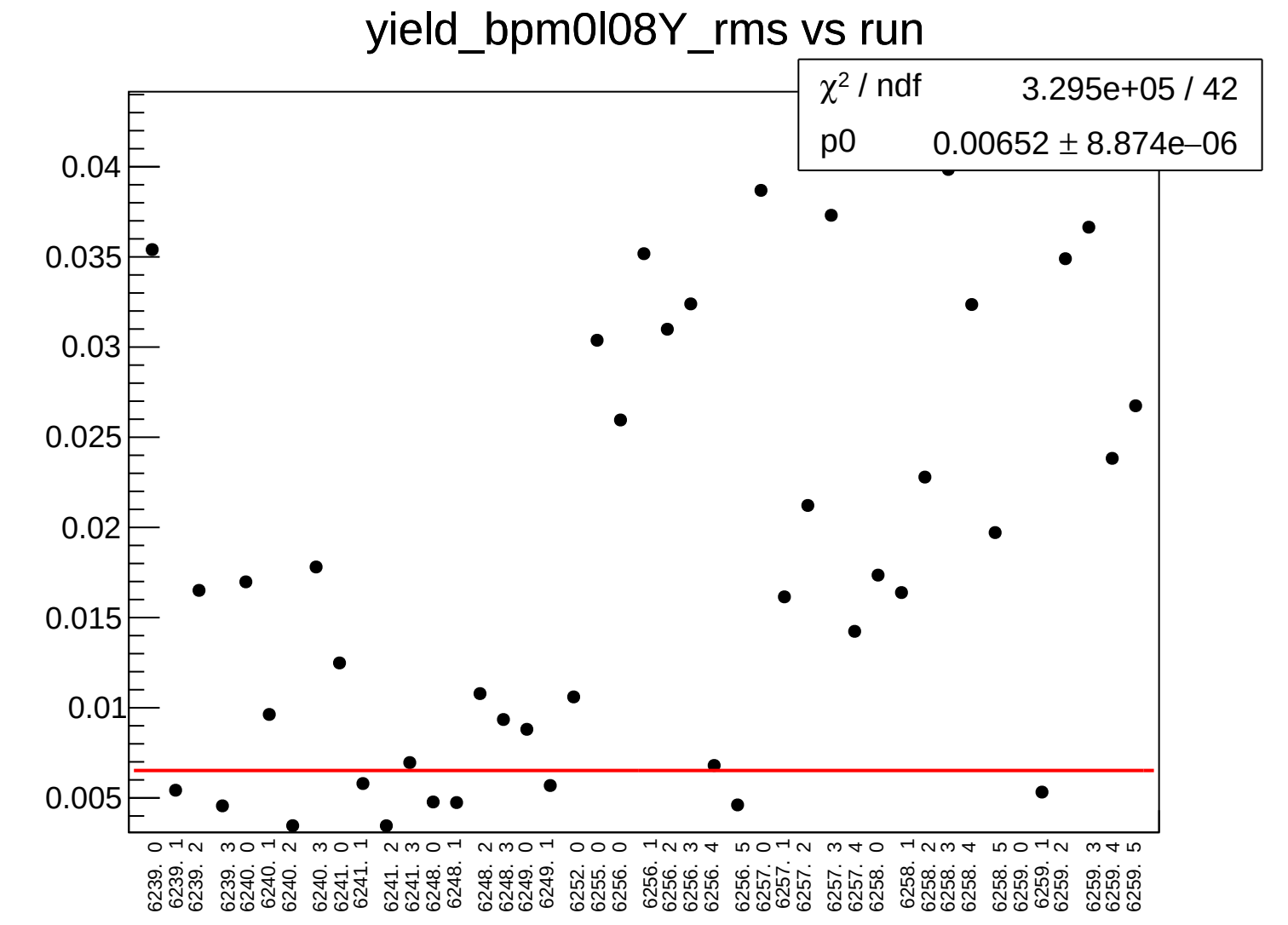

yield_bpm0l07Y_rms vs run
χ² / ndf 1.235e+04 / 42
p0 0.002291 ± 2.474e−06
0.004
0.0035
0.003
0.0025
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

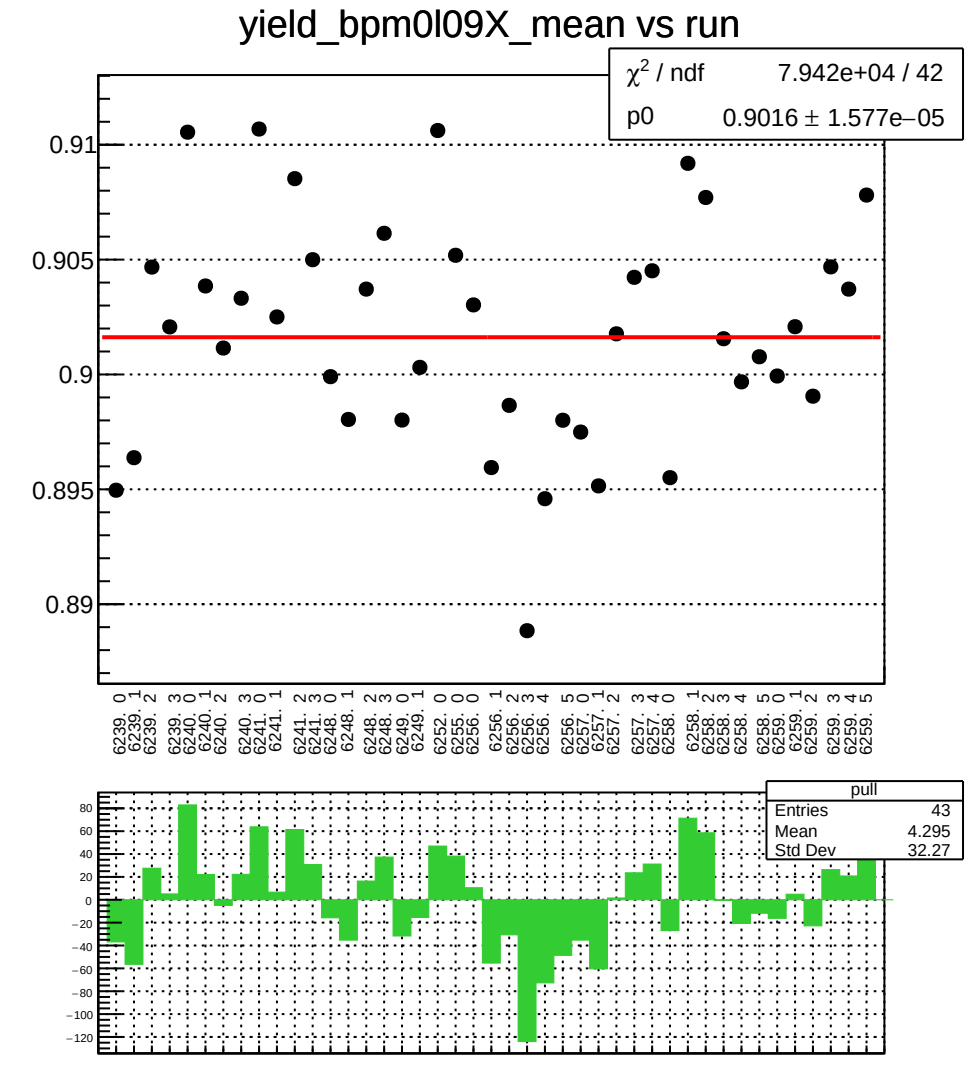

yield_bpm0l08X_mean vs run
χ² / ndf 1.22e+05 / 42
p0 0.2015 ± 1.523e−05
0.21
0.205
0.2
0.195
0.19
0.185
0.18
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.66
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 43
Mean 0.2832
Std Dev 5.184
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

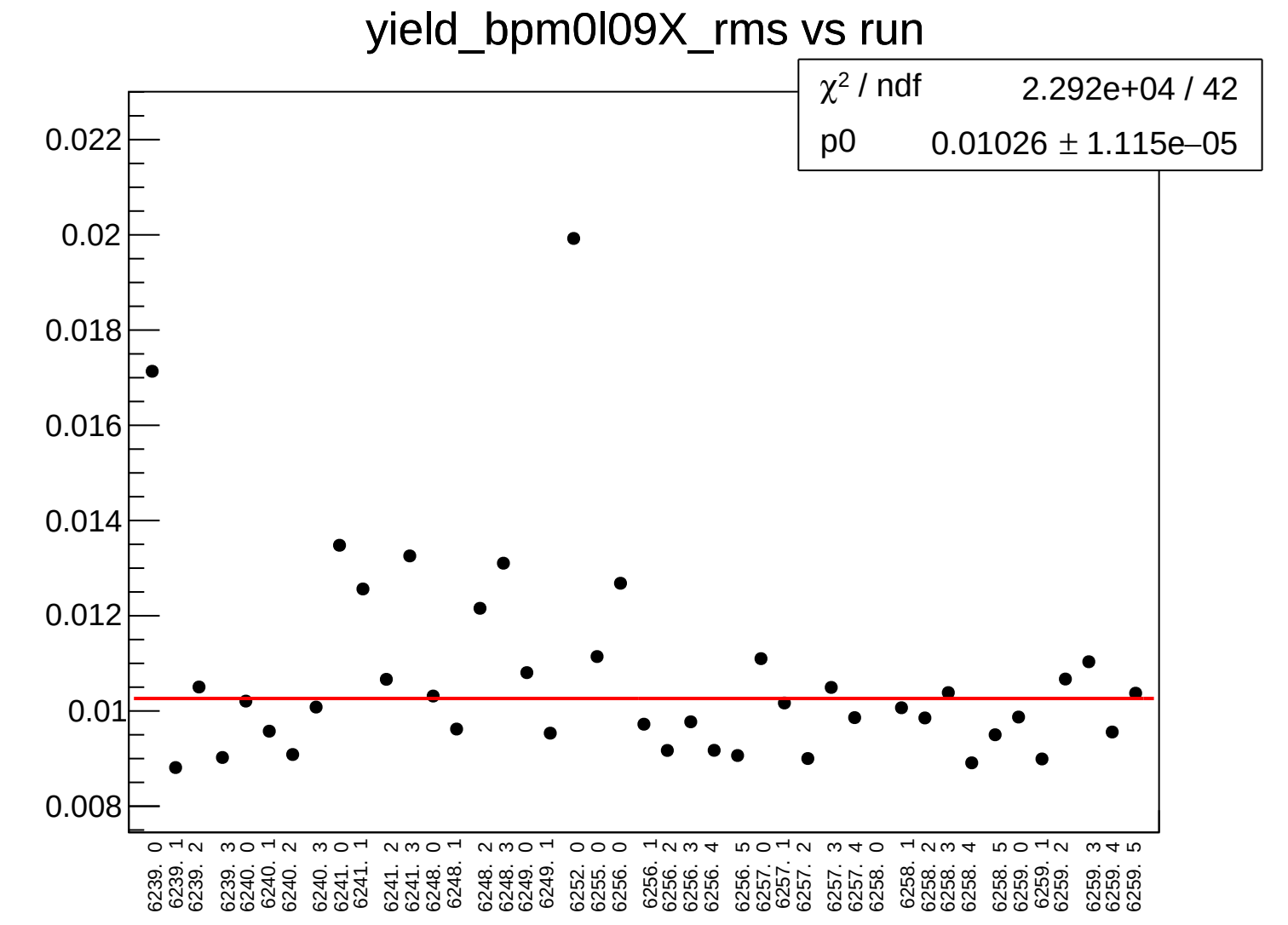

yield_bpm0l08X_rms vs run
χ² / ndf 4.274e+04 / 42
p0 0.009792 ± 1.077e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

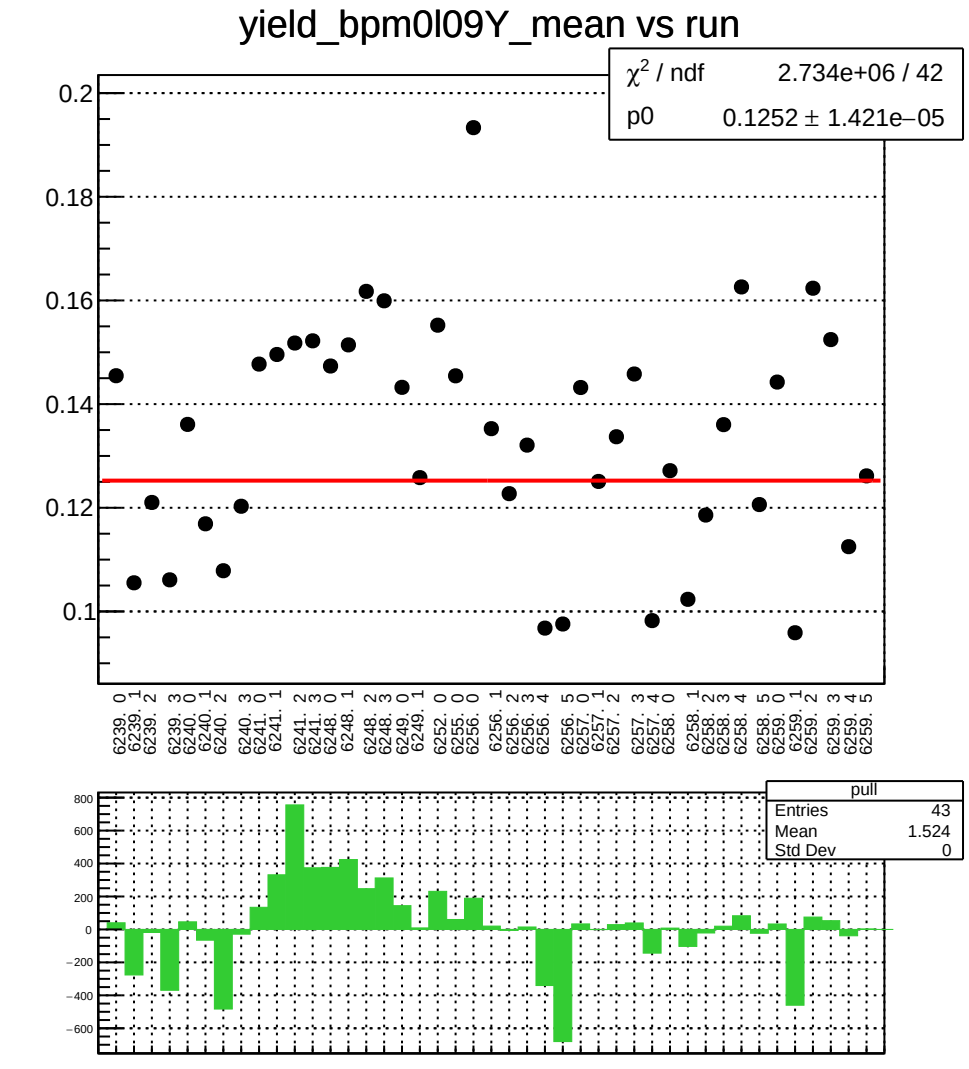

yield_bpm0l08Y_mean vs run
χ² / ndf 1.848e+06 / 42
p0 0.1439 ± 1.255e−05
0.2
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.093
Std Dev 0
400
200
0
−200
−400

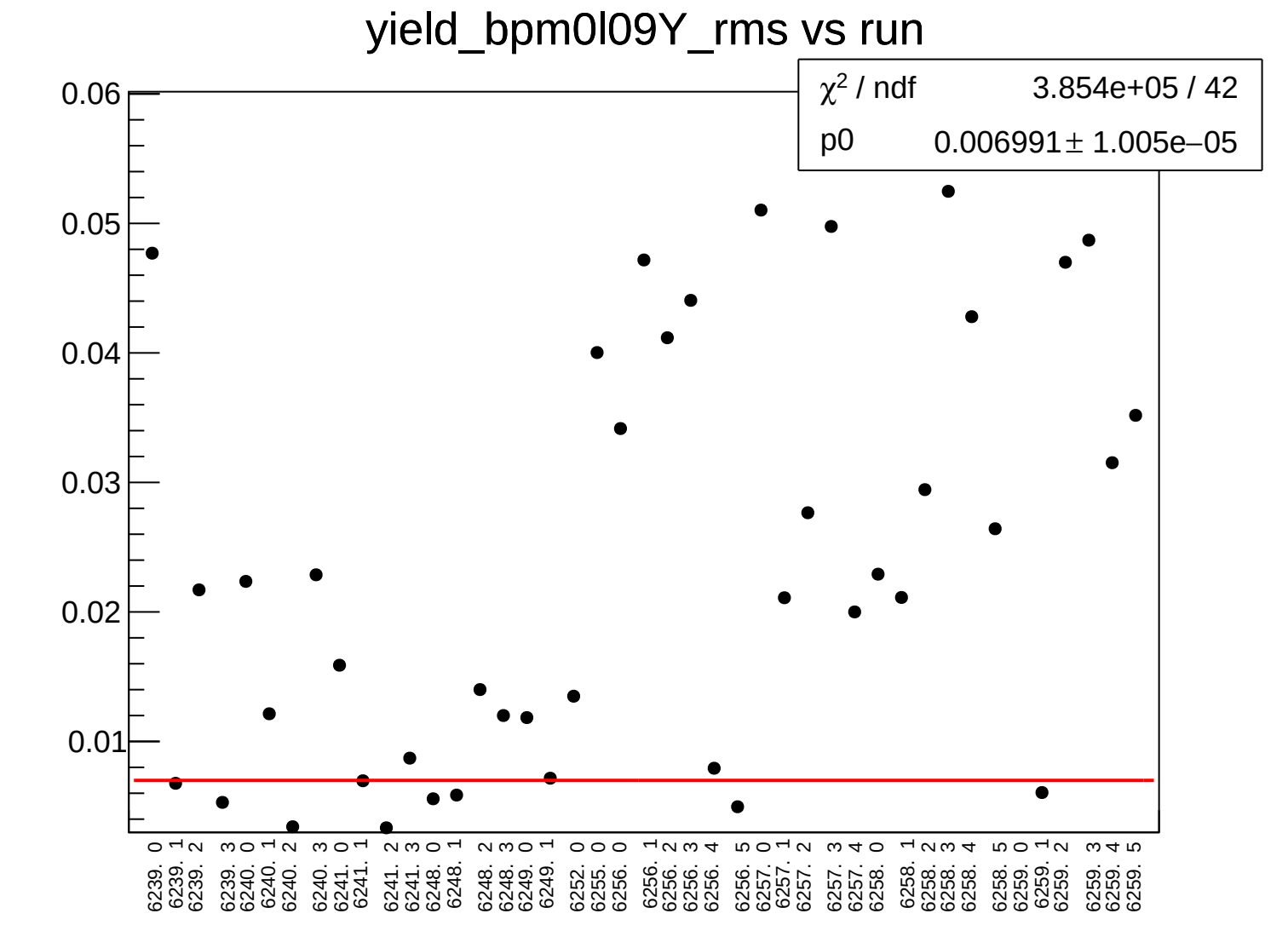

pull1D
Entries 43
Mean −2.315
Std Dev 1.431
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

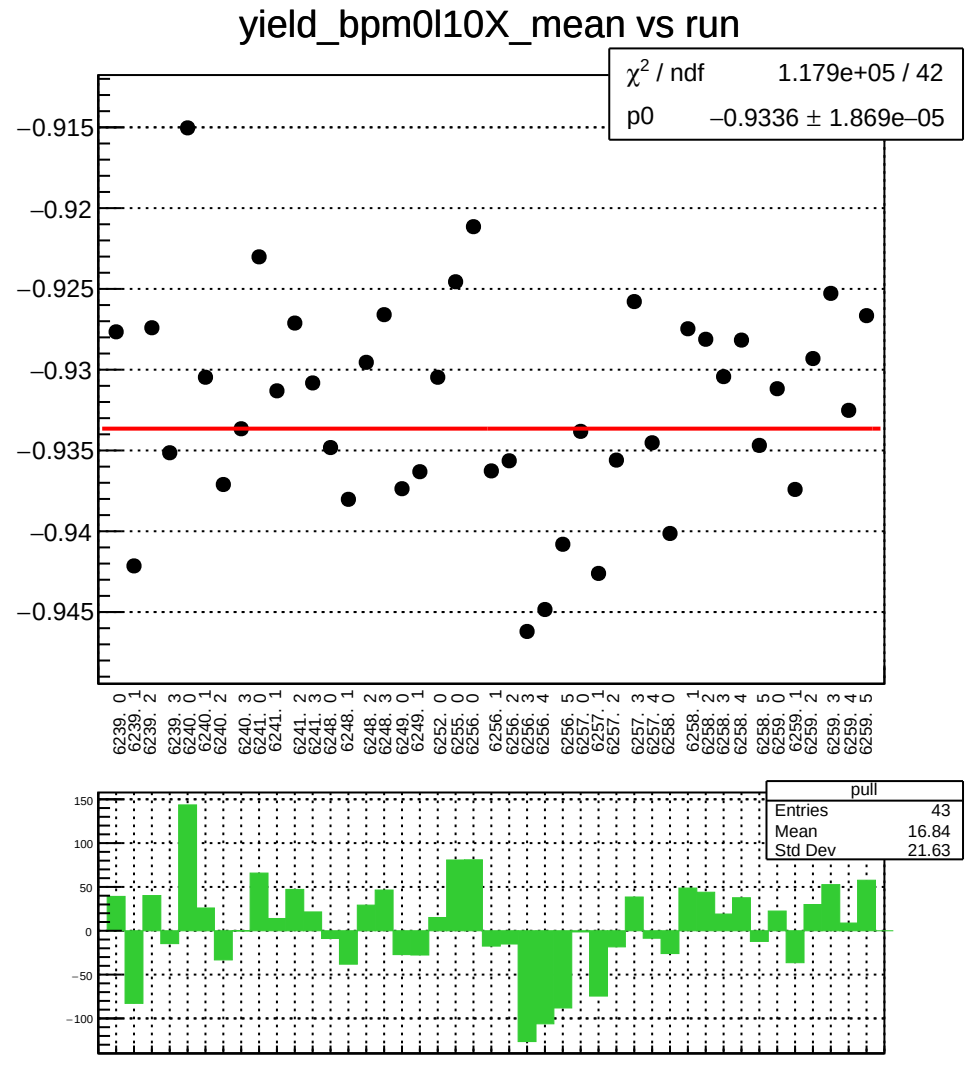

yield_bpm0l08Y_rms vs run
χ² / ndf 3.295e+05 / 42
p0 0.00652 ± 8.874e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

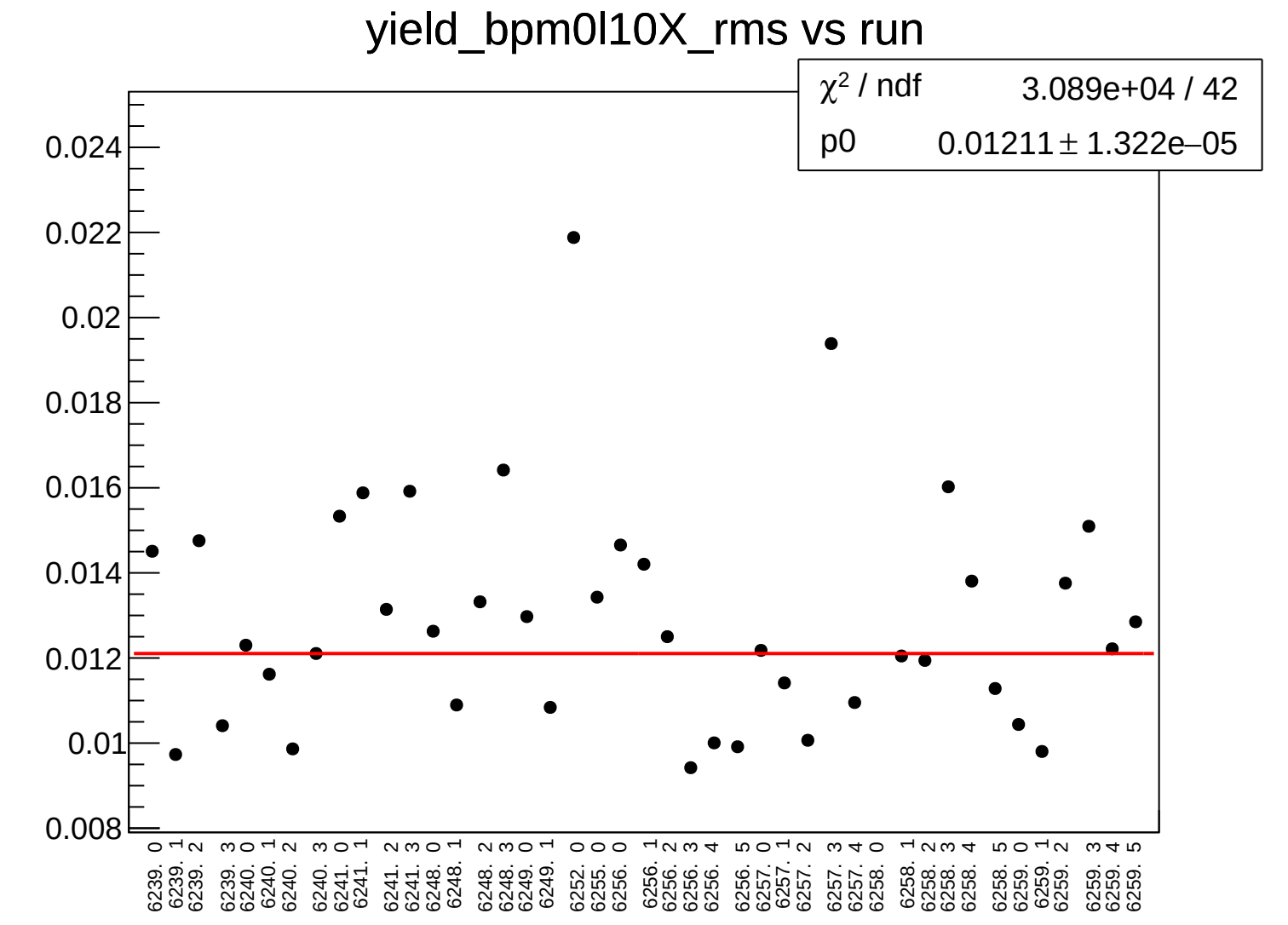

yield_bpm0l09X_mean vs run
χ² / ndf 7.942e+04 / 42
p0 0.9016 ± 1.577e−05
0.91
0.905
0.9
0.895
0.89
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.295
Std Dev 32.27
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 43
Mean 2.114
Std Dev 3.962
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

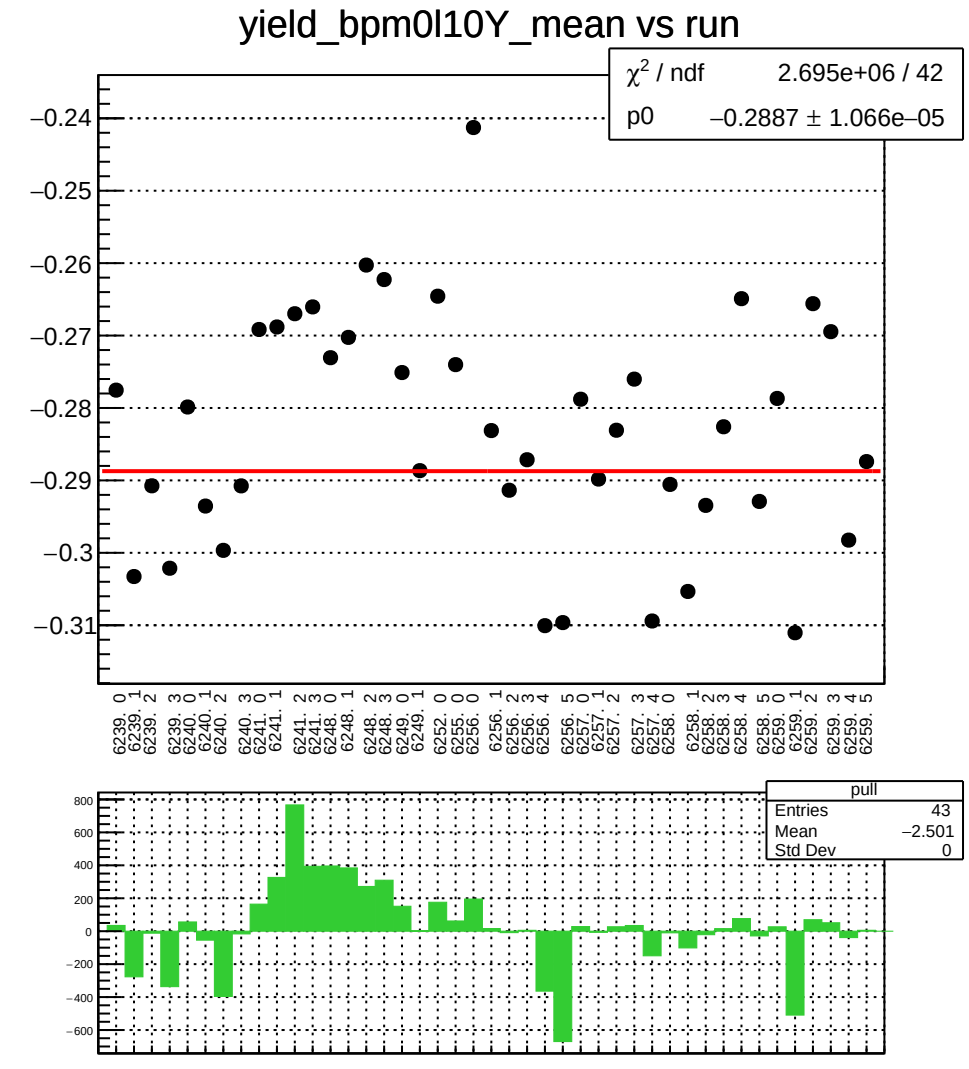

yield_bpm0l09X_rms vs run
χ² / ndf 2.292e+04 / 42
p0 0.01026 ± 1.115e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

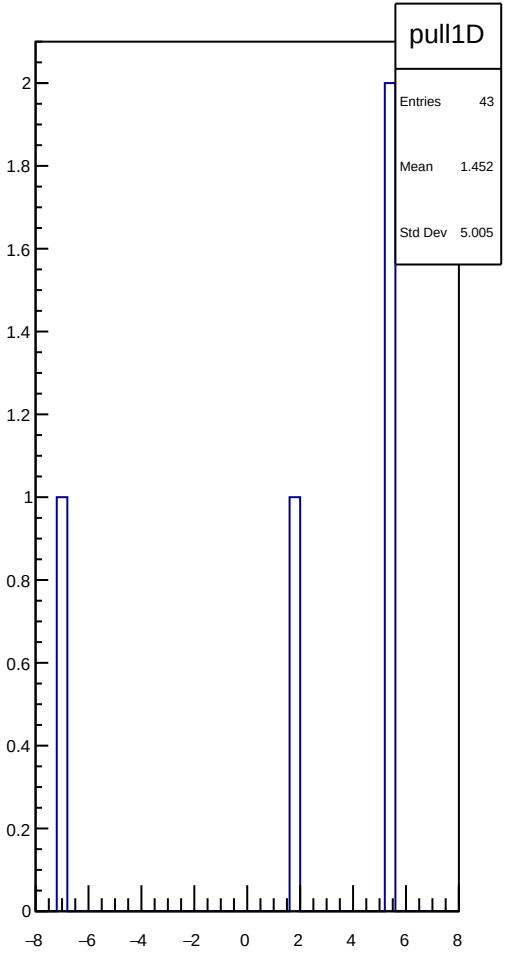

yield_bpm0l09Y_mean vs run
χ² / ndf 2.734e+06 / 42
p0 0.1252 ± 1.421e−05
0.2
0.18
0.16
0.14
0.12
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.524
Std Dev 0
800
600
400
200
0
−200
−400
−600
pull1D
Entries 43
Mean 1.054
Std Dev 5.011
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

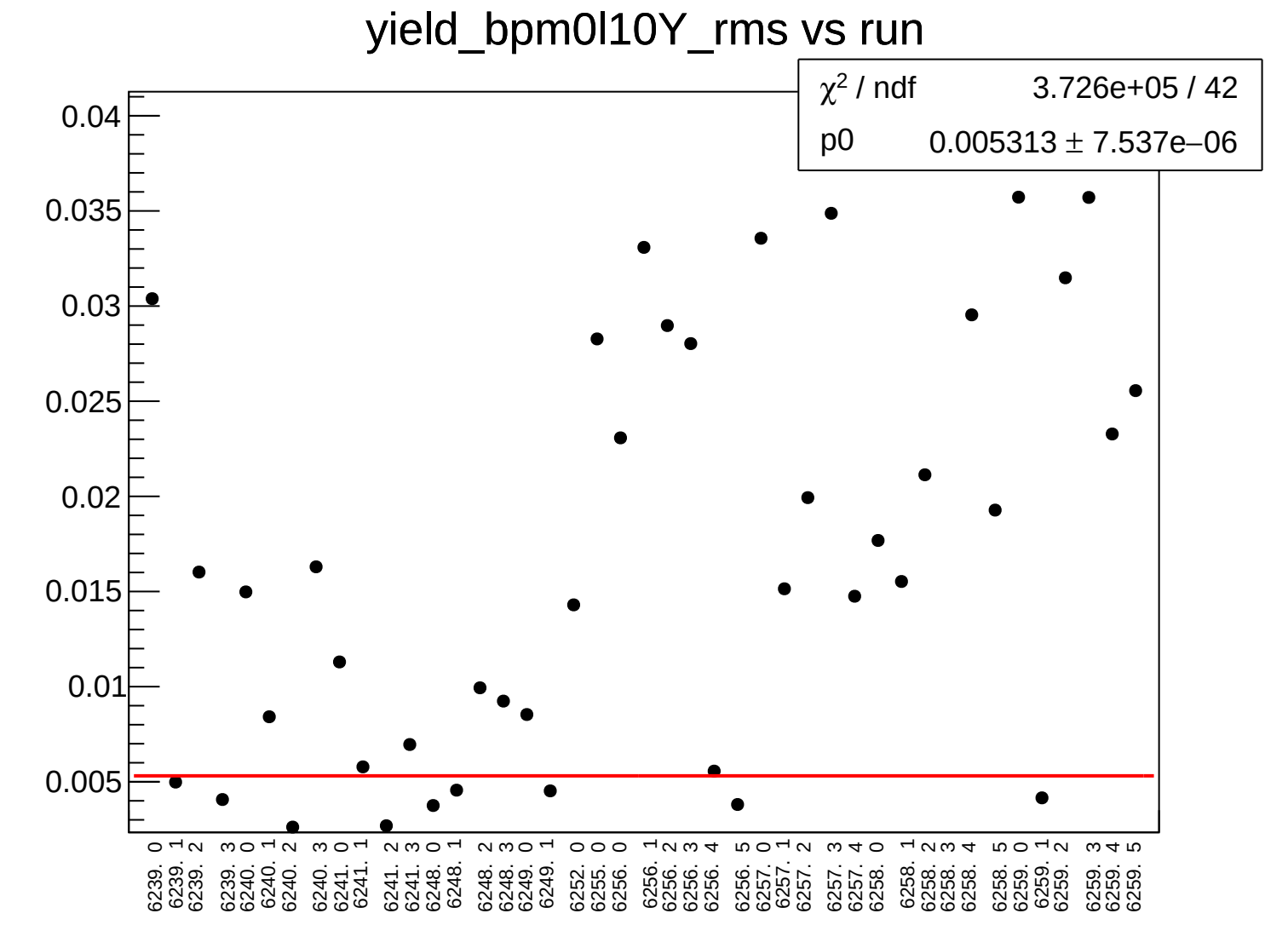

yield_bpm0l09Y_rms vs run
χ² / ndf 3.854e+05 / 42
p0 0.006991 ± 1.005e−05
0.06
0.05
0.04
0.03
0.02
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

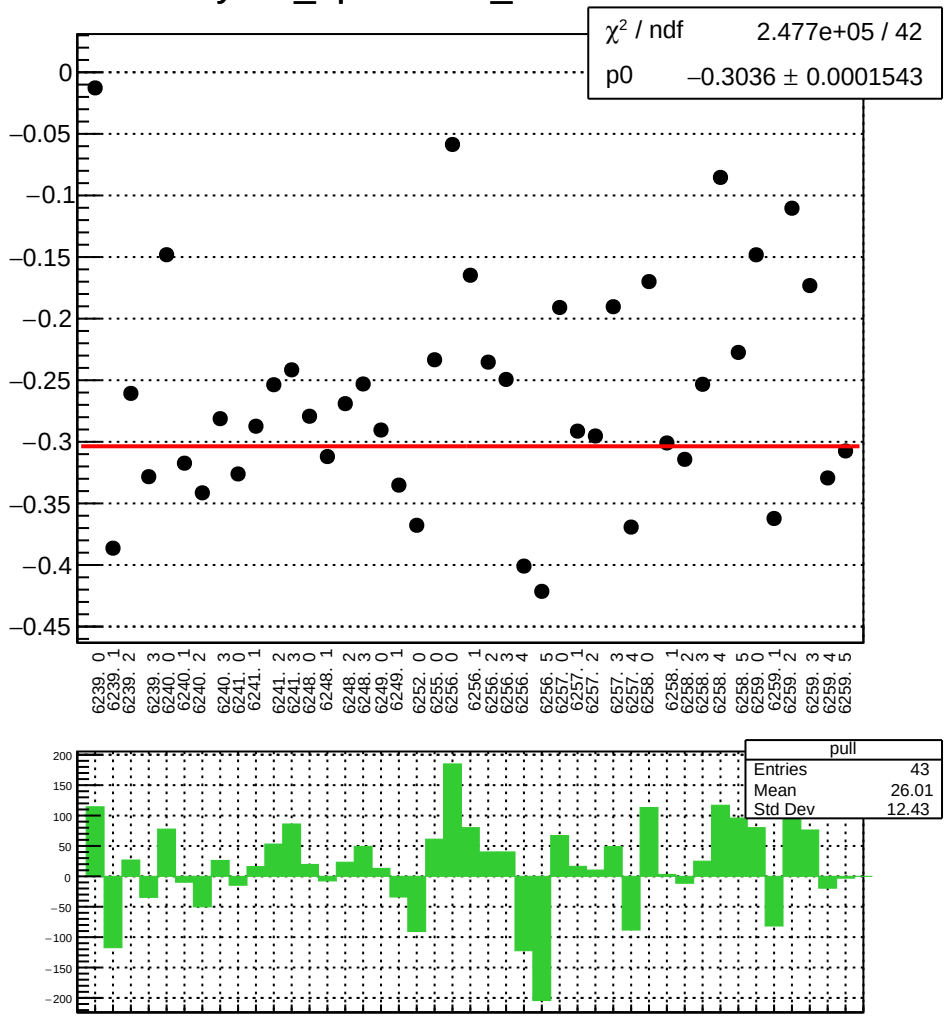

yield_bpm0l10X_mean vs run
χ² / ndf 1.179e+05 / 42
p0 −0.9336 ± 1.869e−05
−0.915
−0.92
−0.925
−0.93
−0.935
−0.94
−0.945
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.84
Std Dev 21.63
150
100
50
0
−50
−100
pull1D
Entries 43
Mean −0.6953
Std Dev 0.6161
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

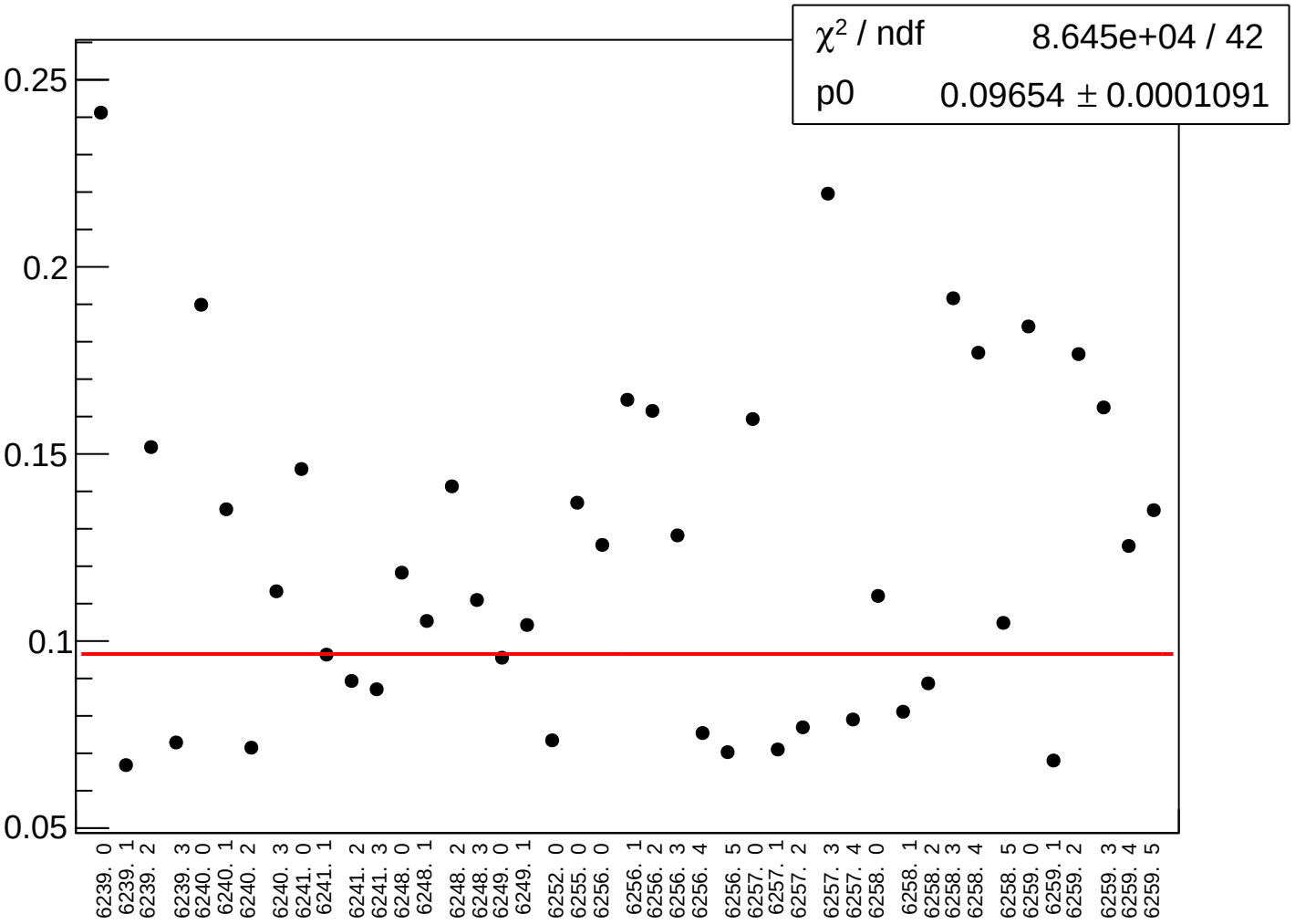

yield_bpm0l10X_rms vs run
χ² / ndf 3.089e+04 / 42
p0 0.01211 ± 1.322e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

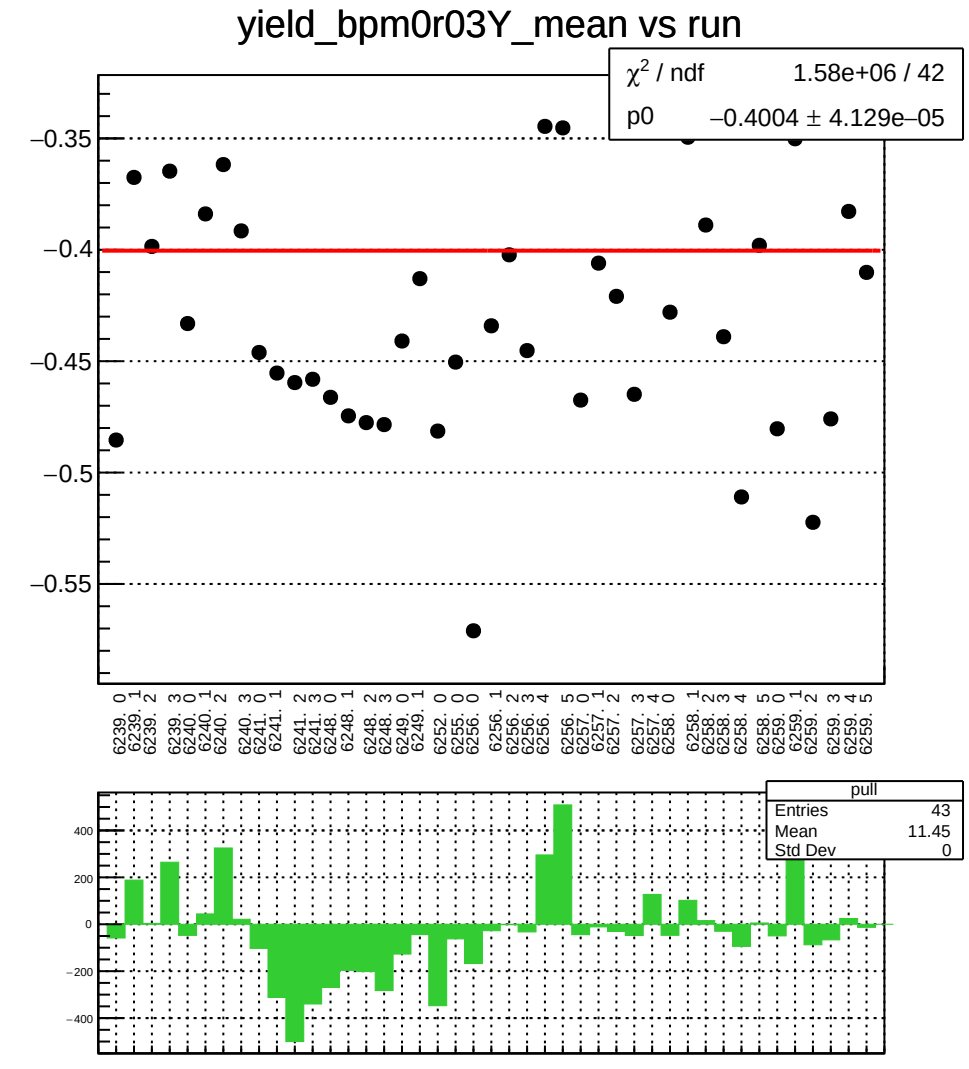

yield_bpm0l10Y_mean vs run
χ² / ndf 2.695e+06 / 42
p0 −0.2887 ± 1.066e−05
−0.24
−0.25
−0.26
−0.27
−0.28
−0.29
−0.3
−0.31
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2.501
Std Dev 0
800
600
400
200
0
−200
−400
−600

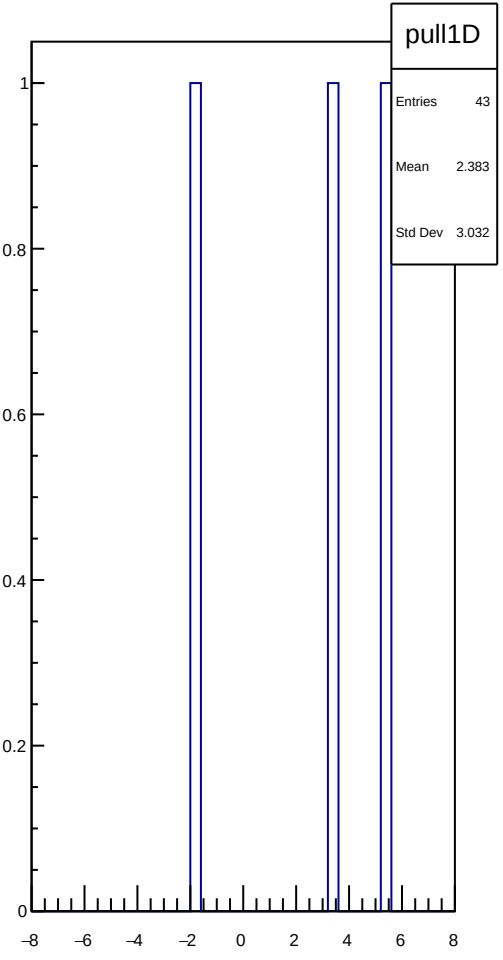

pull1D
Entries 43
Mean 1.452
Std Dev 5.005
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

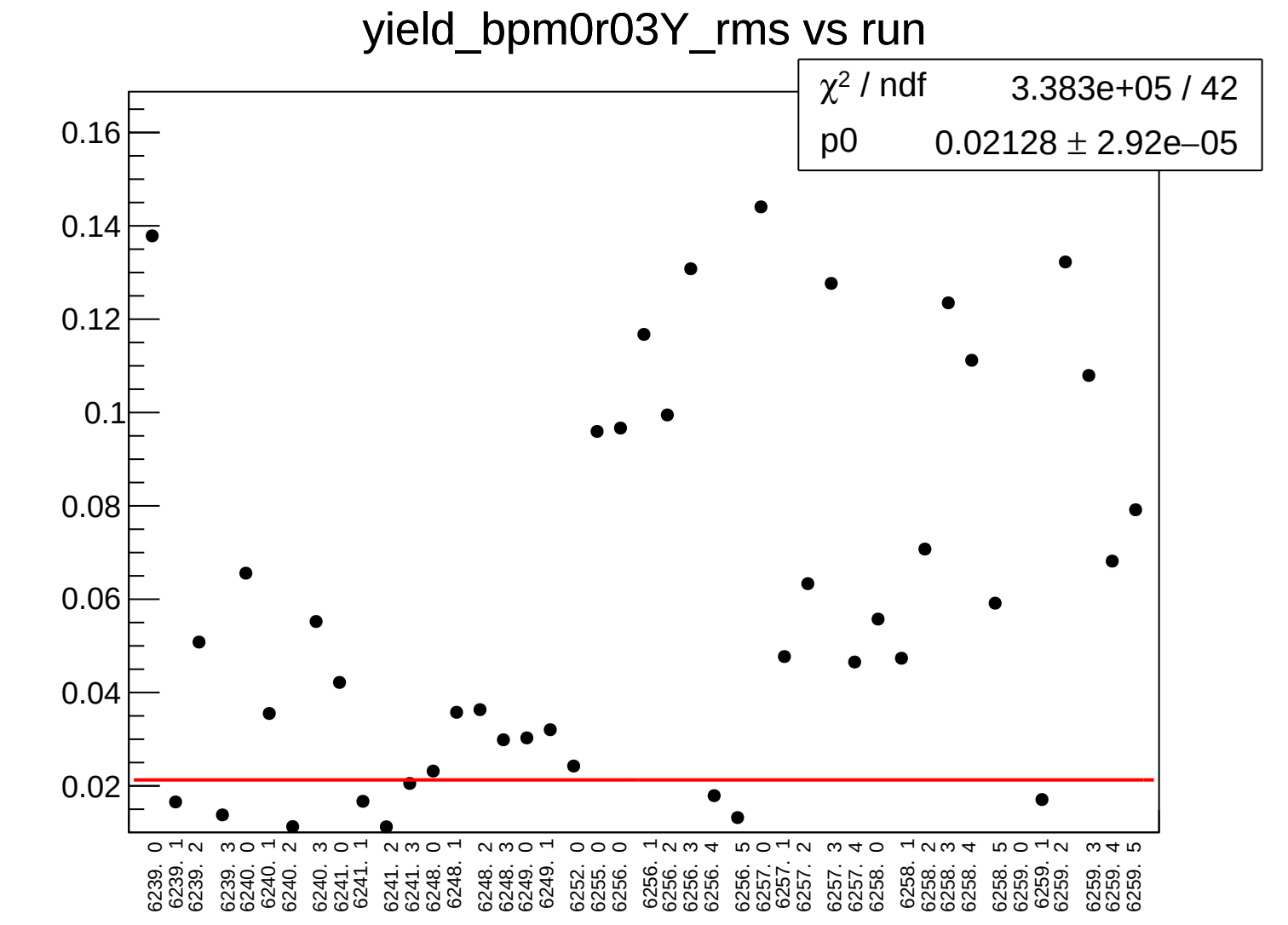

yield_bpm0l10Y_rms vs run
χ² / ndf 3.726e+05 / 42
p0 0.005313 ± 7.537e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

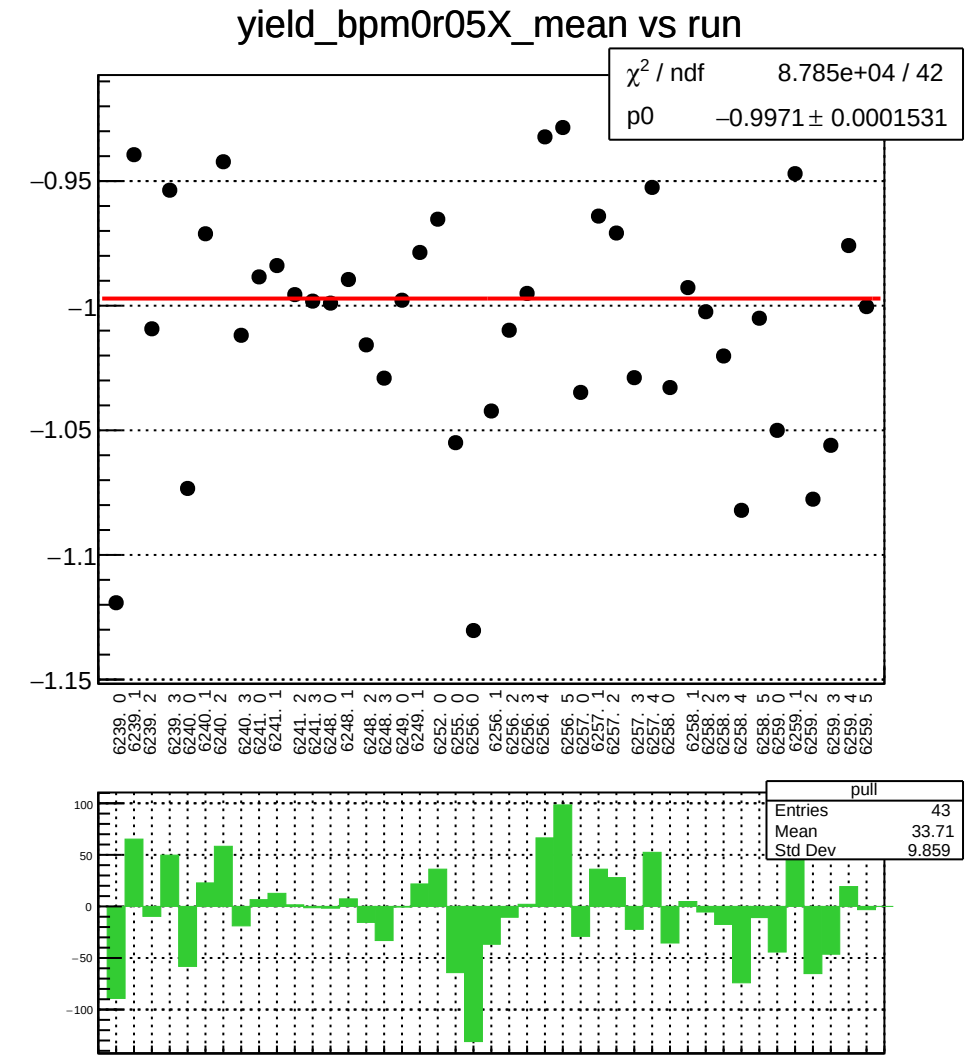

yield_bpm0r03X_mean vs run
χ² / ndf 2.477e+05 / 42
p0 −0.3036 ± 0.0001543
pull
Entries 43
Mean 26.01
Std Dev 12.43
pull1D
Entries 43
Mean −2.437
Std Dev 4.368

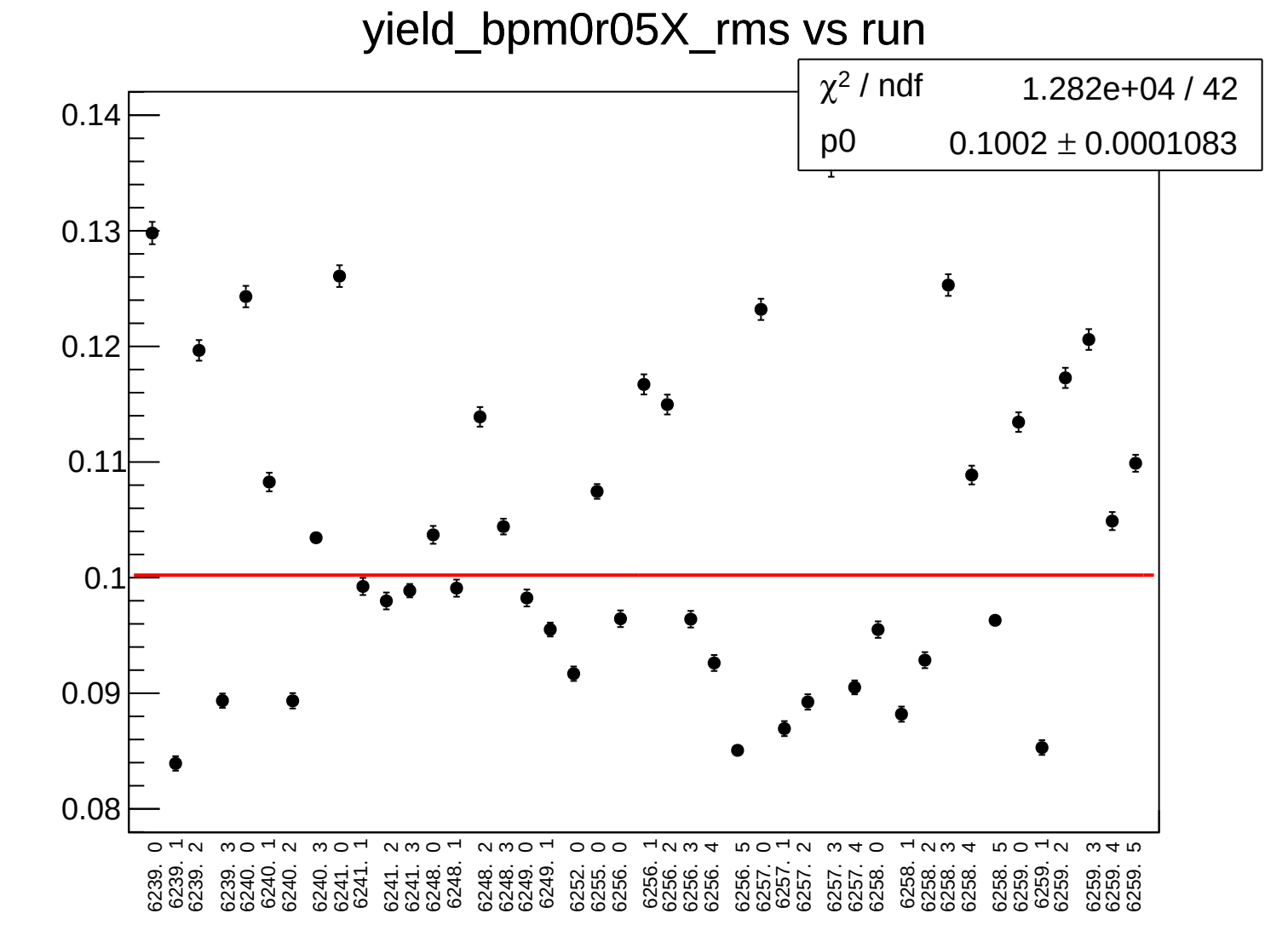

yield_bpm0r03X_rms vs run
χ² / ndf 8.645e+04 / 42
p0 0.09654 ± 0.0001091
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

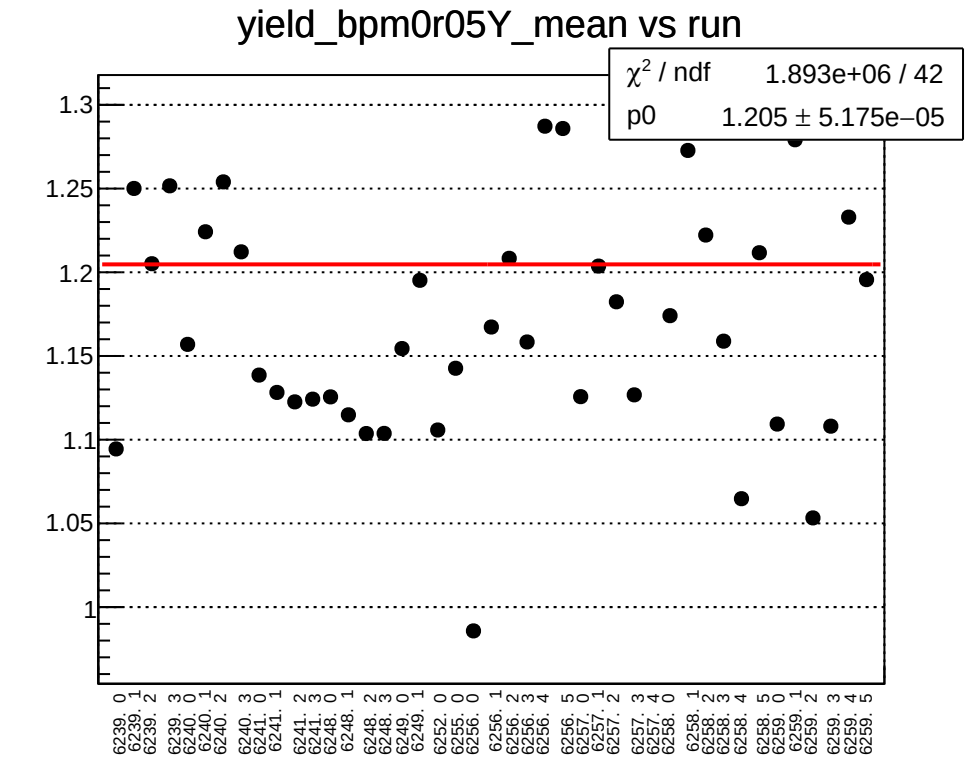

yield_bpm0r03Y_mean vs run
χ² / ndf 1.58e+06 / 42
p0 −0.4004 ± 4.129e−05
−0.35
−0.4
−0.45
−0.5
−0.55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.45
Std Dev 0
400
200
0
−200
−400

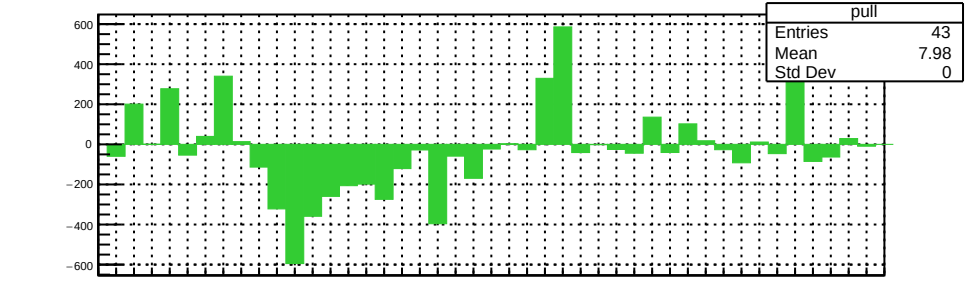

pull1D
Entries 43
Mean 2.383
Std Dev 3.032
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

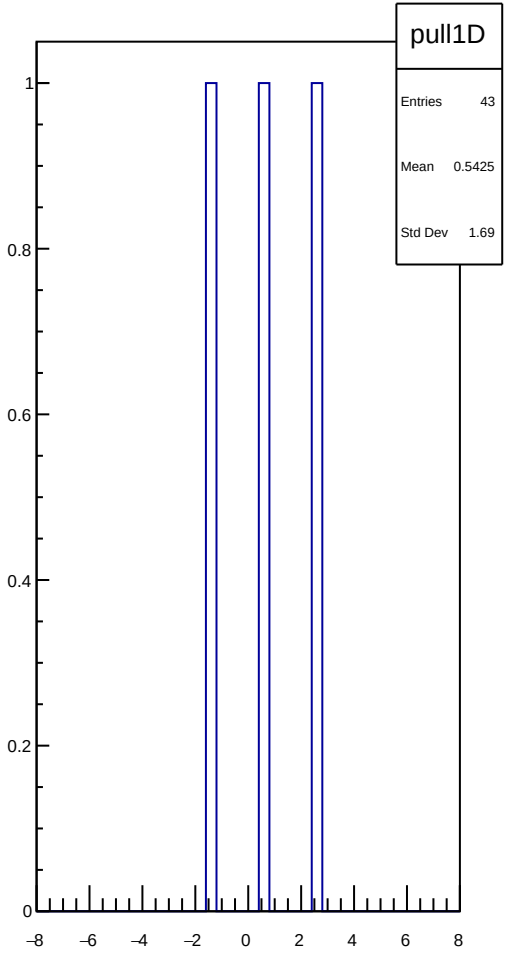

yield_bpm0r03Y_rms vs run
χ² / ndf 3.383e+05 / 42
p0 0.02128 ± 2.92e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

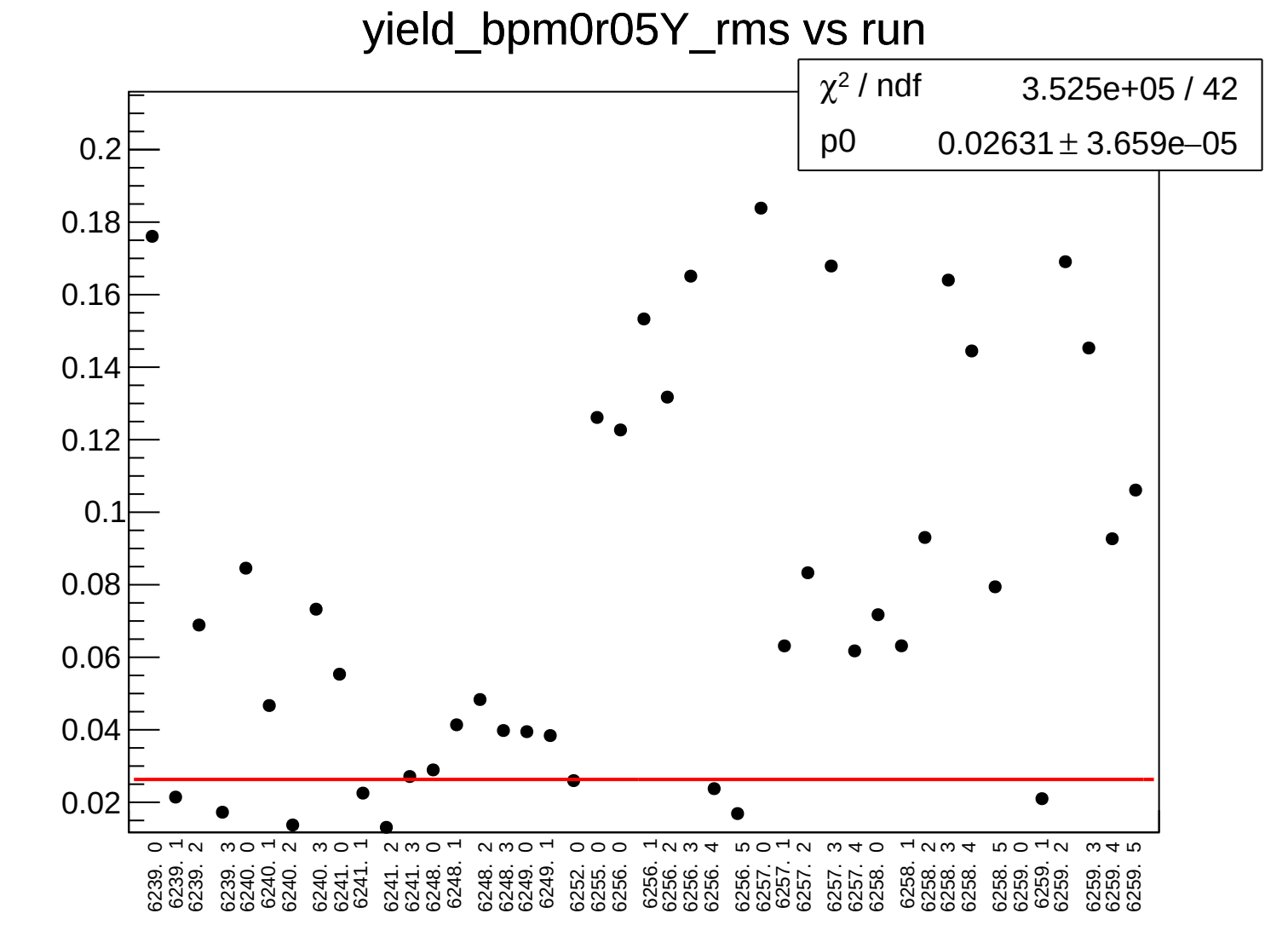

yield_bpm0r05X_mean vs run
χ² / ndf 8.785e+04 / 42
p0 −0.9971 ± 0.0001531
−0.95
−1
−1.05
−1.1
−1.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.71
Std Dev 9.859
100
50
0
−50
−100
pull1D
Entries 43
Mean 1.005
Std Dev 3.986
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

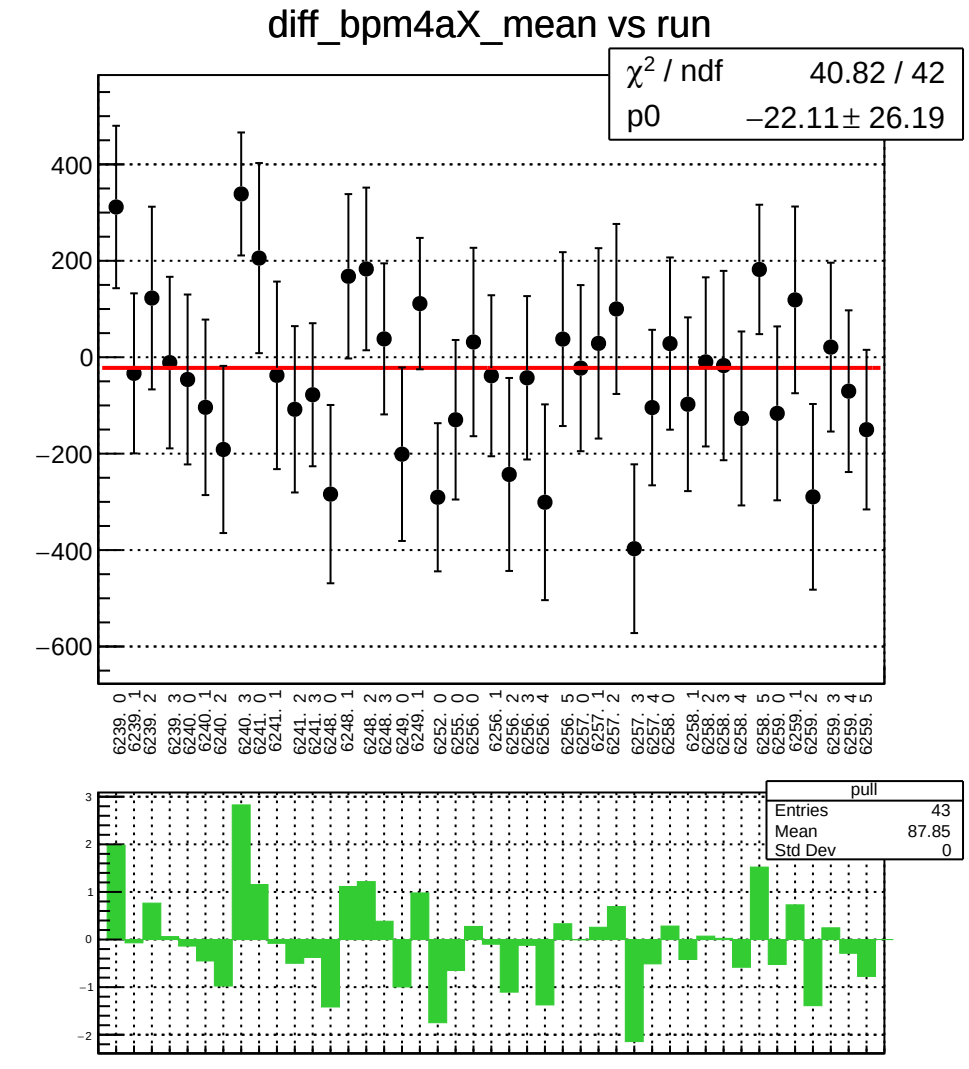

yield_bpm0r05X_rms vs run
χ² / ndf 1.282e+04 / 42
p0 0.1002 ± 0.0001083
0.14
0.13
0.12
0.11
0.1
0.09
0.08
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

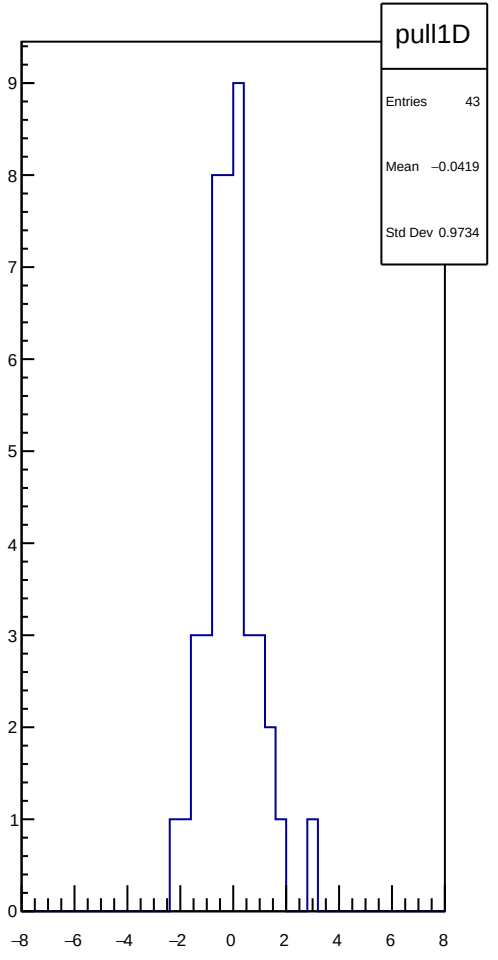

yield_bpm0r05Y_mean vs run
χ² / ndf 1.893e+06 / 42
p0 1.205 ± 5.175e−05
1.3
1.25
1.2
1.15
1.1
1.05
1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

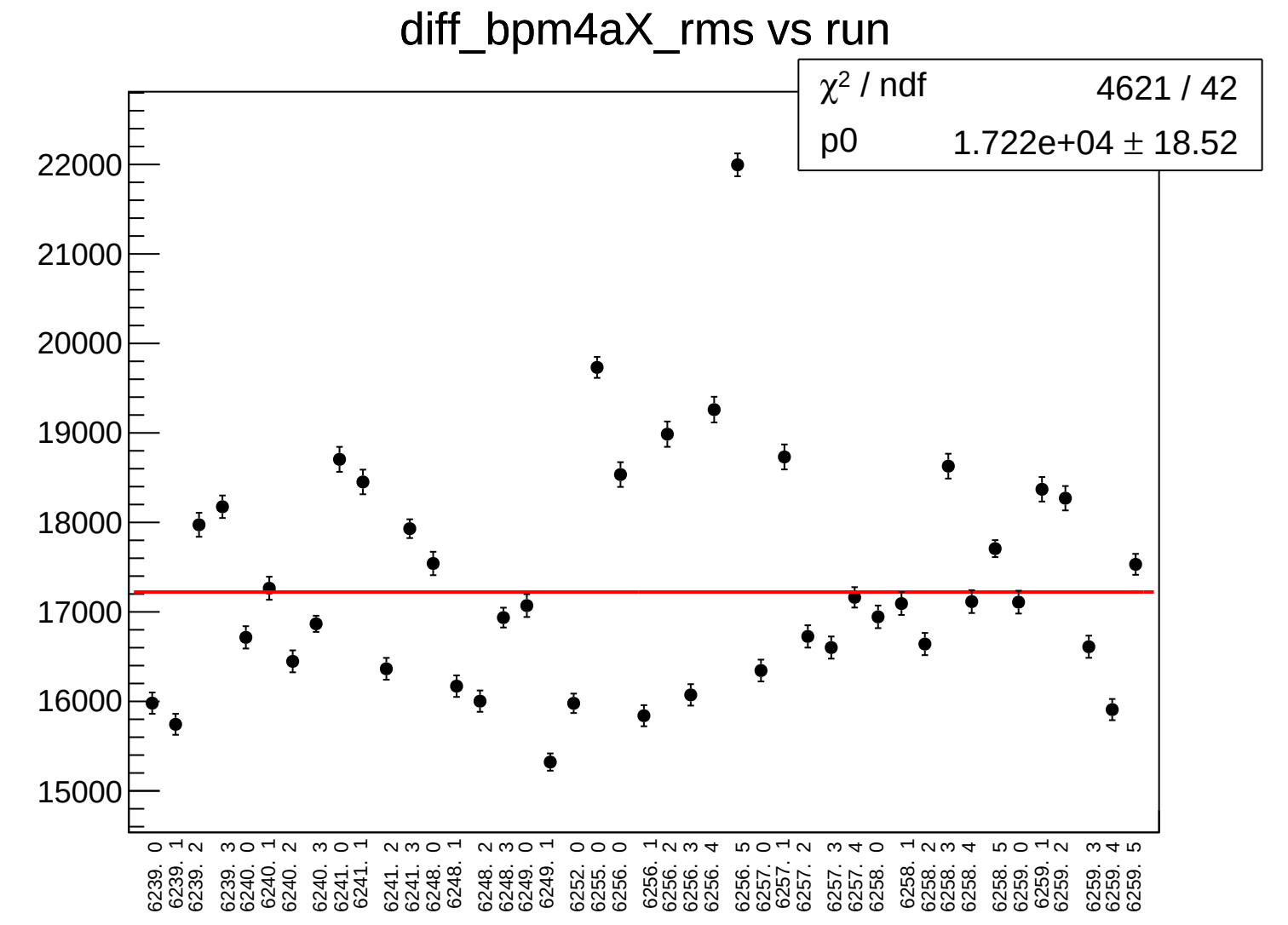

pull
Entries 43
Mean 7.98
Std Dev 0
600
400
200
0
−200
−400
−600

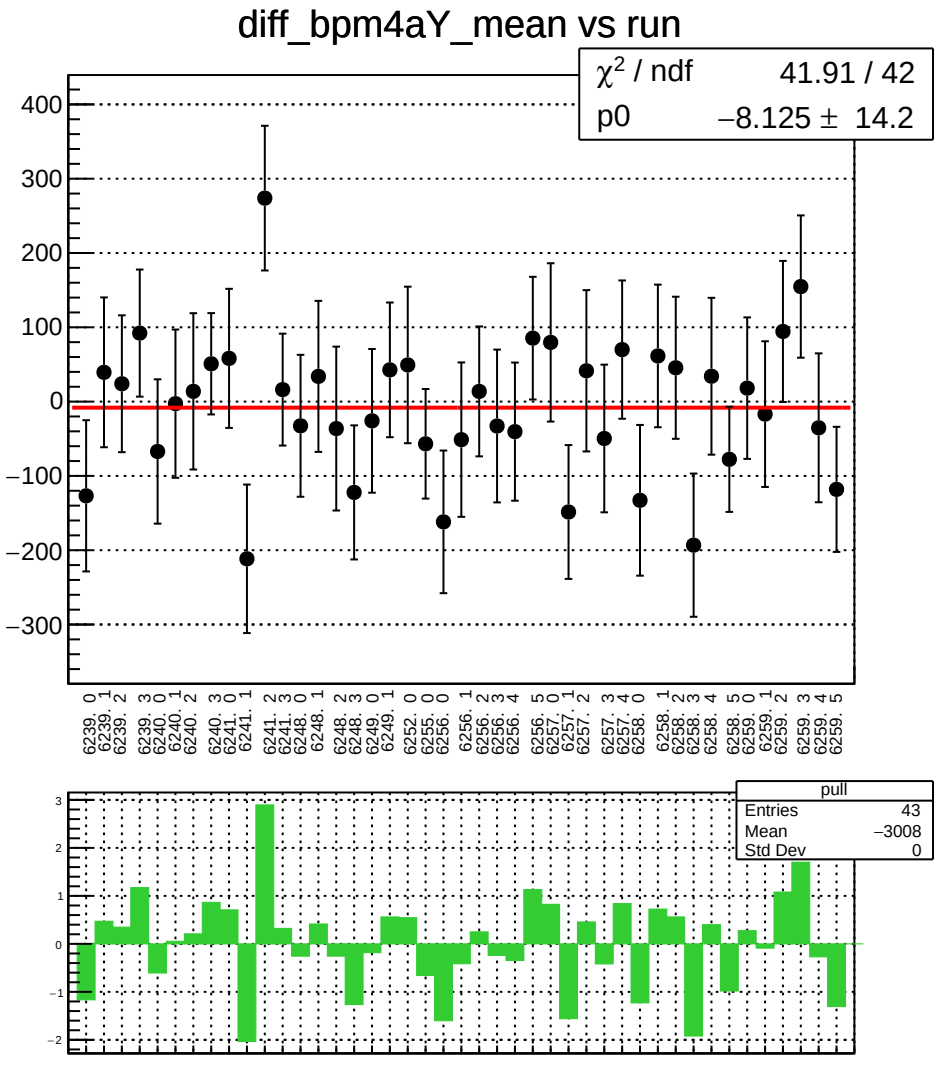

pull1D
Entries 43
Mean 0.5425
Std Dev 1.69
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

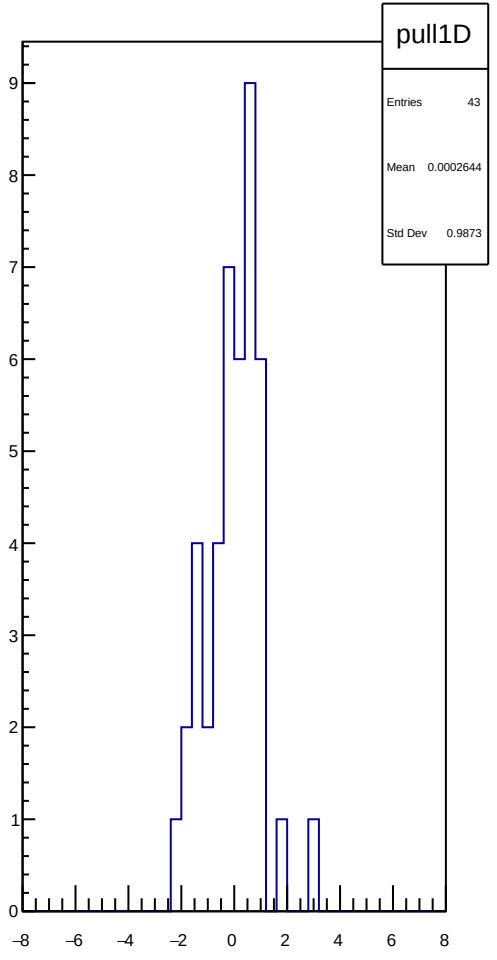

yield_bpm0r05Y_rms vs run
χ² / ndf 3.525e+05 / 42
p0 0.02631 ± 3.659e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

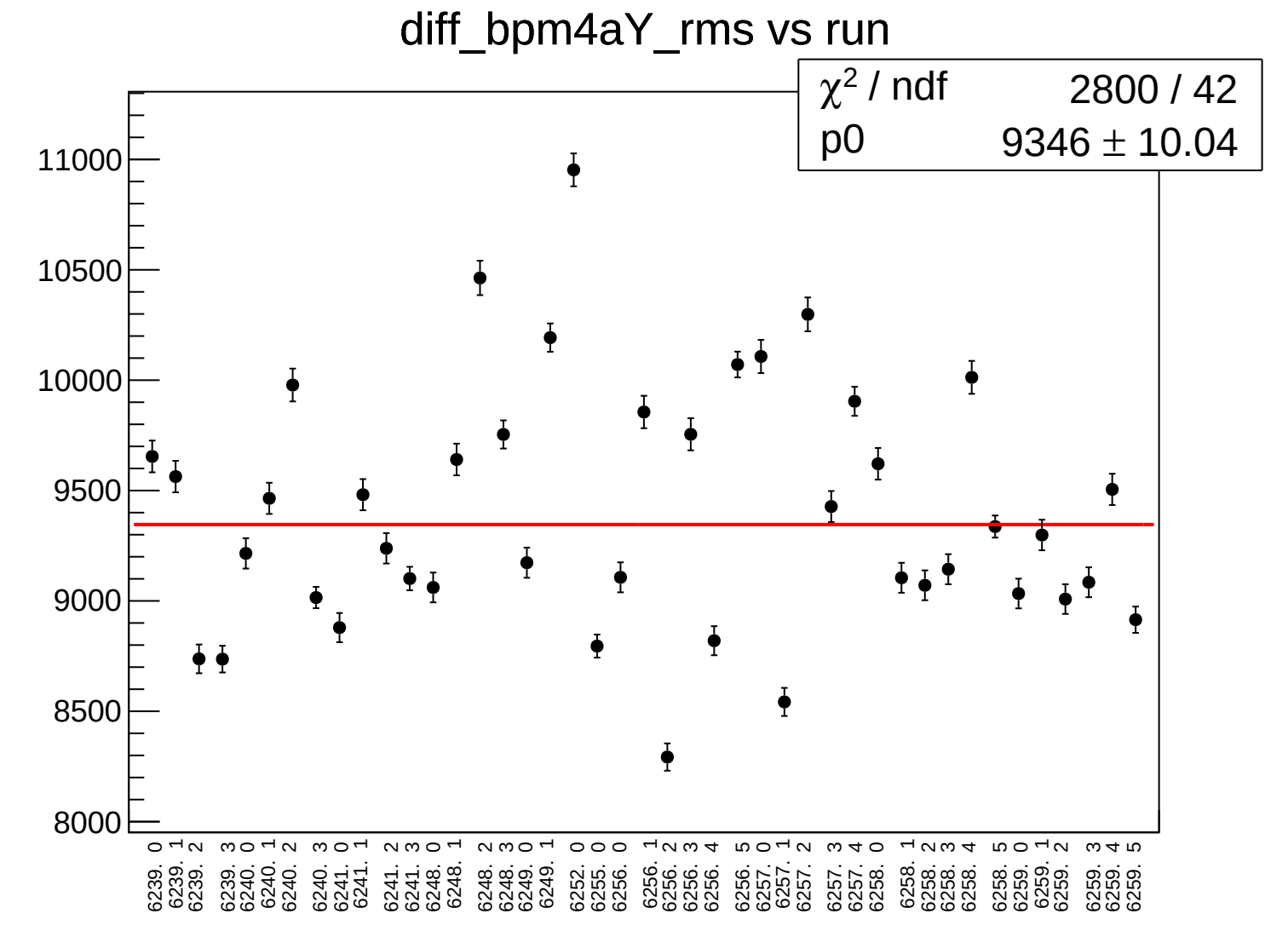

diff_bpm4aX_mean vs run
χ² / ndf 40.82 / 42
p0 −22.11± 26.19
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.85
Std Dev 0
3
2
1
0
−1
−2

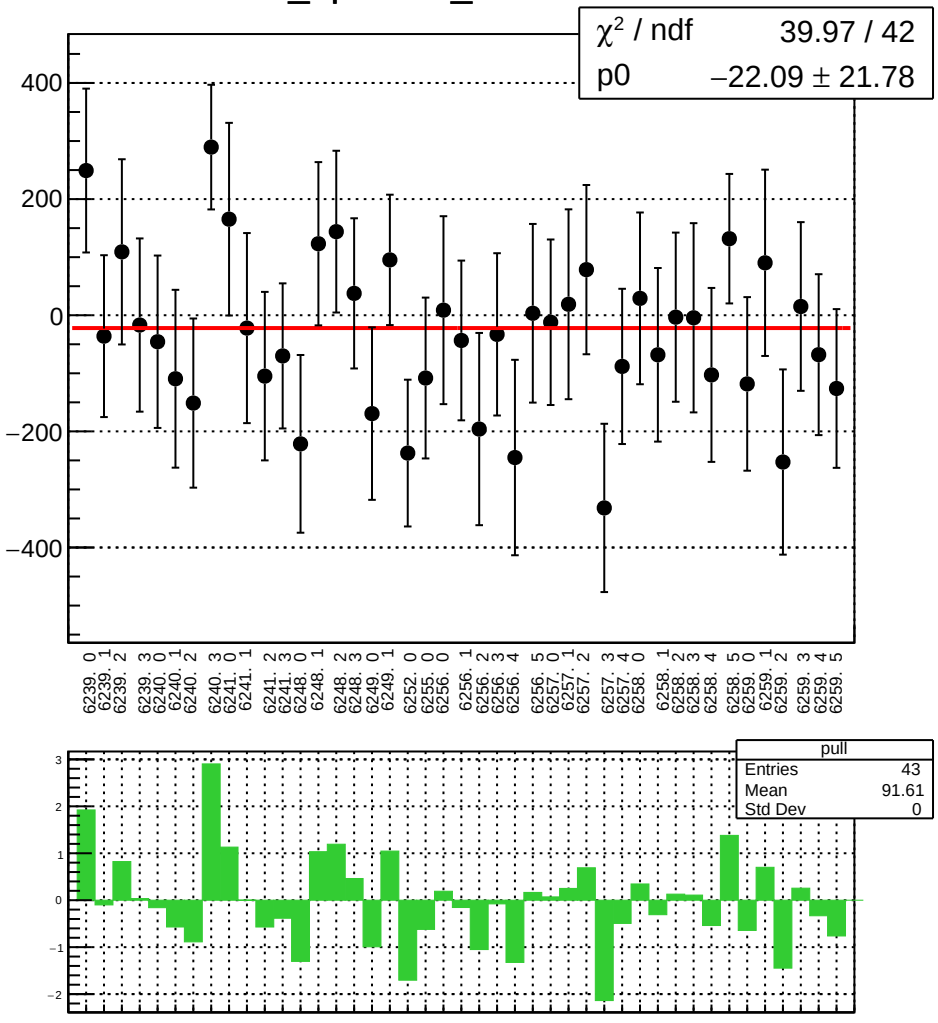

pull1D
Entries 43
Mean −0.0419
Std Dev 0.9734
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

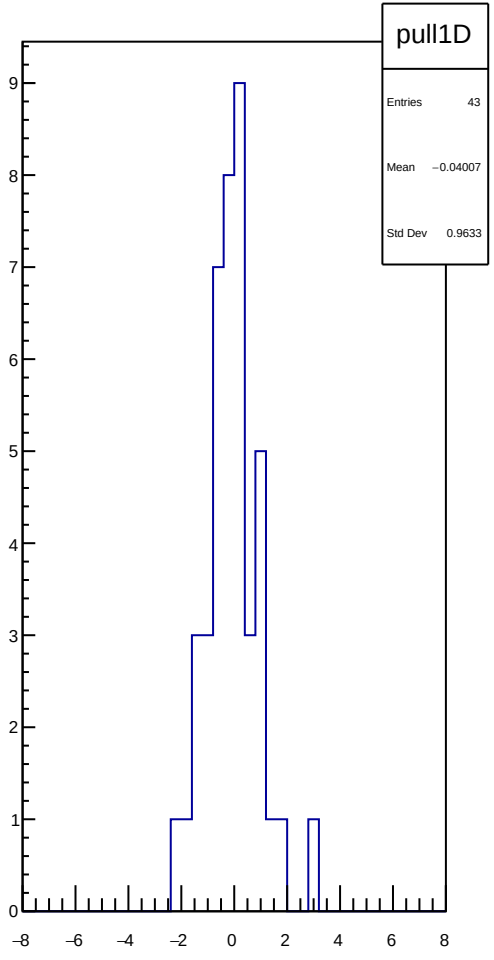

diff_bpm4aX_rms vs run
χ² / ndf 4621 / 42
p0 1.722e+04 ± 18.52
22000
21000
20000
19000
18000
17000
16000
15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

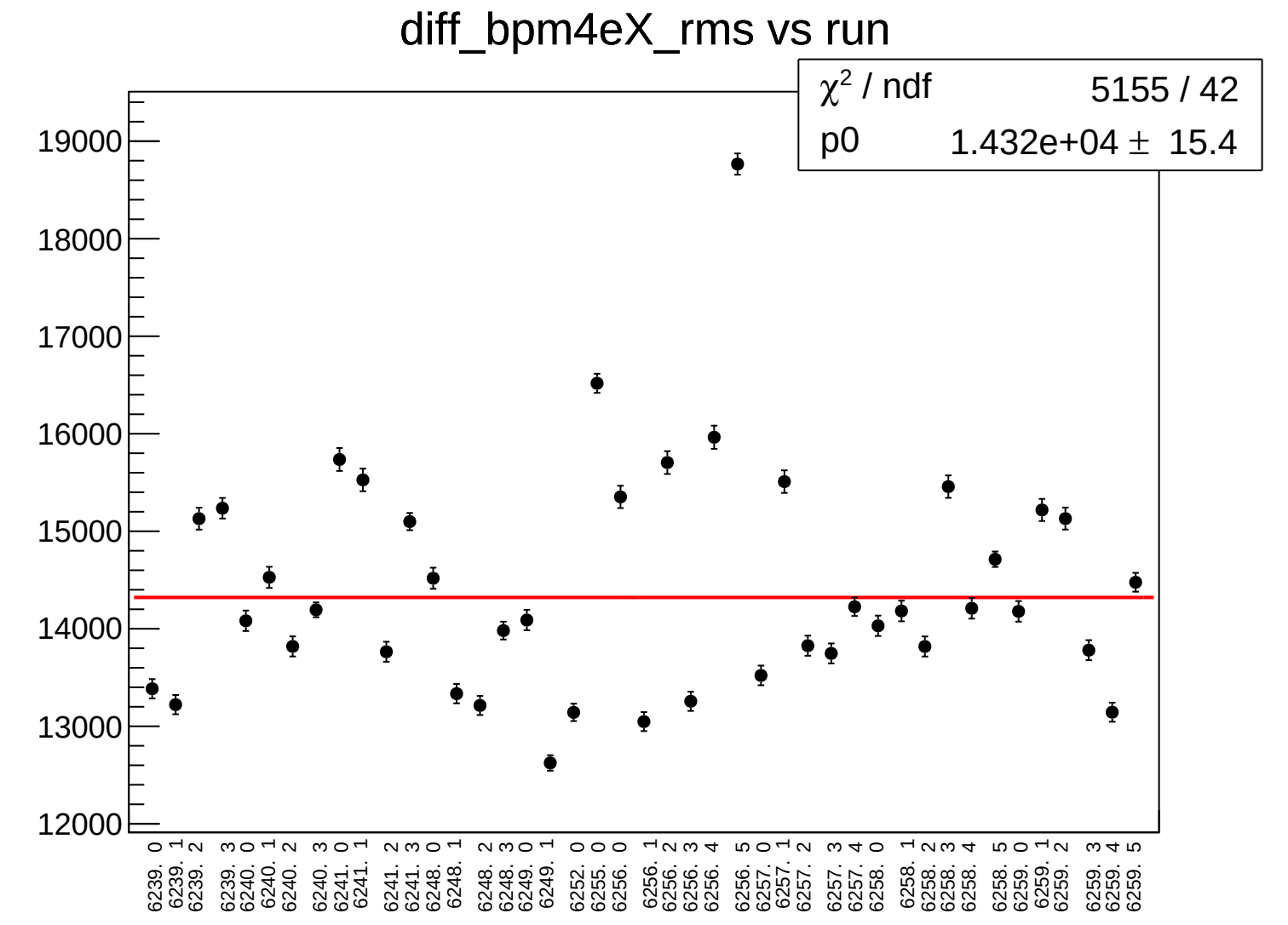

diff_bpm4aY_mean vs run
χ² / ndf 41.91 / 42
p0 −8.125 ± 14.2
400
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −3008
Std Dev 0
3
2
1
0
−1
−2

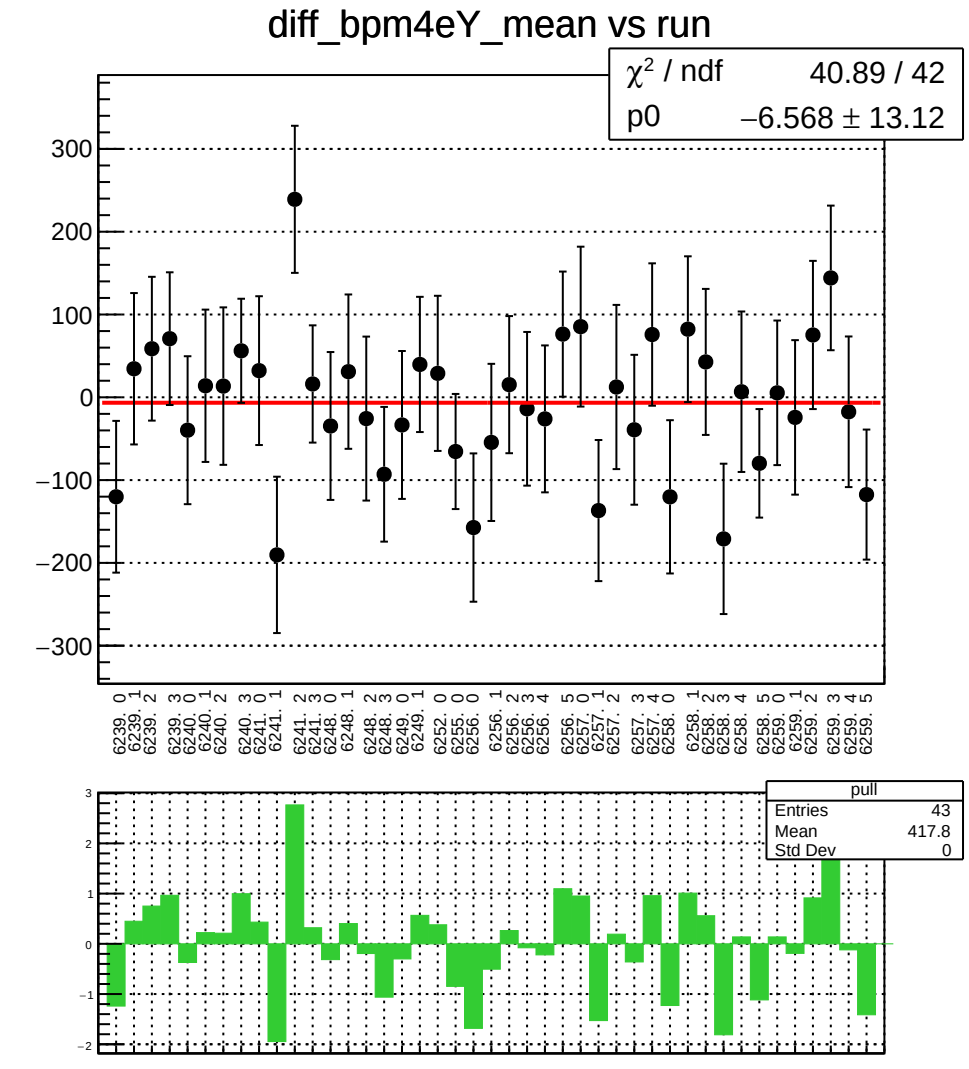

pull1D
Entries 43
Mean 0.0002644
Std Dev 0.9873
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

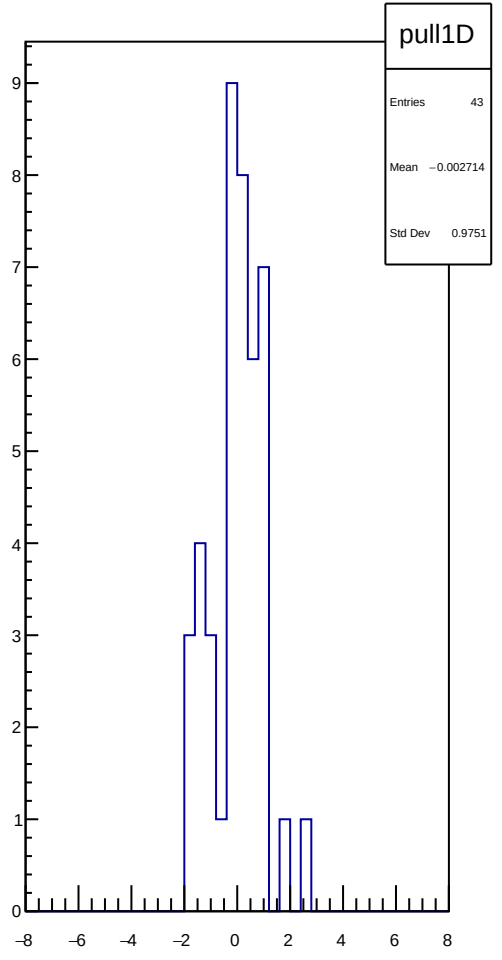

diff_bpm4aY_rms vs run
χ² / ndf 2800 / 42
p0 9346 ± 10.04
11000
10500
10000
9500
9000
8500
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

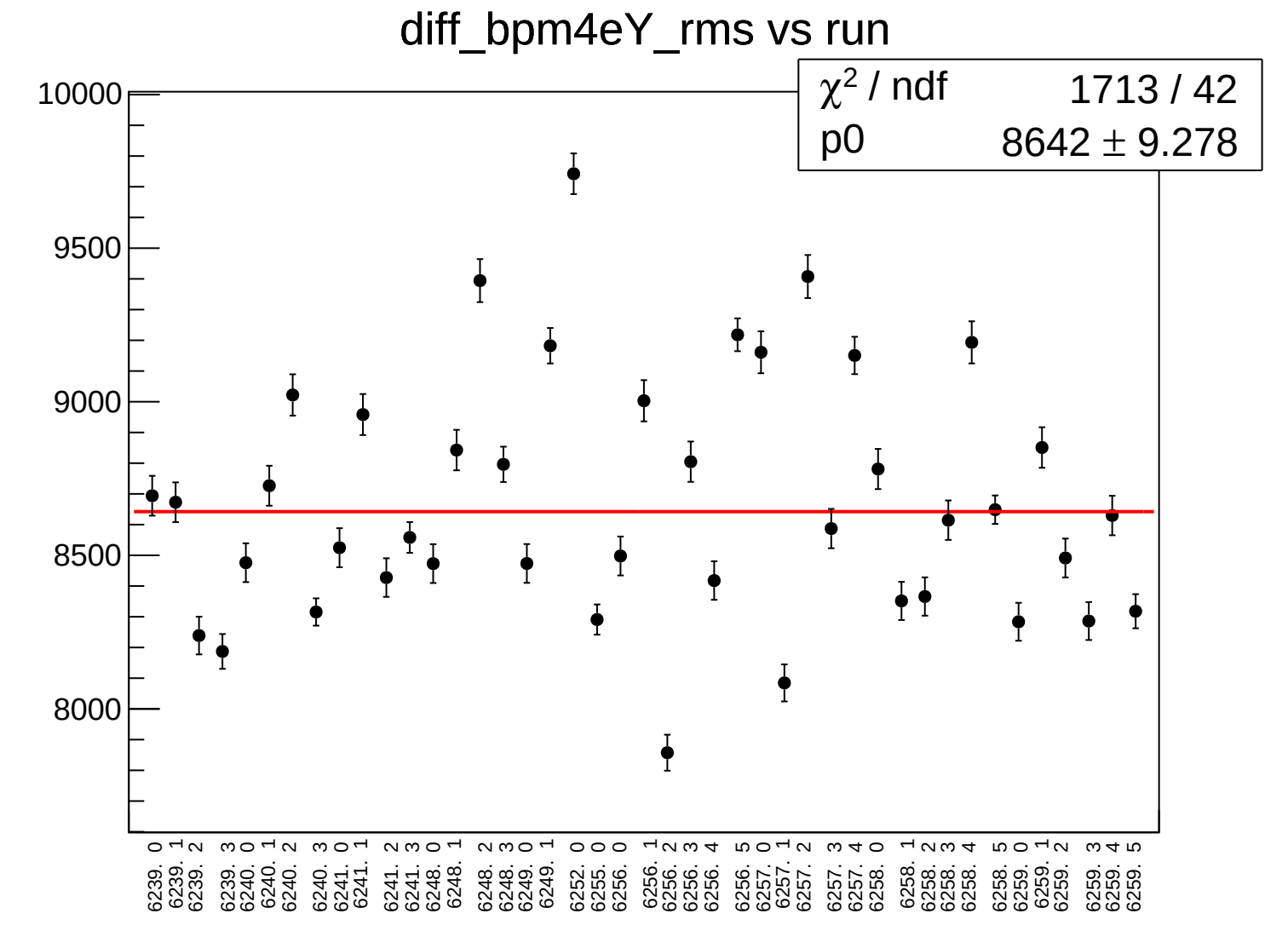

diff_bpm4eX_mean vs run
χ² / ndf 39.97 / 42
p0 −22.09 ± 21.78
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 91.61
Std Dev 0
3
2
1
0
−1
−2

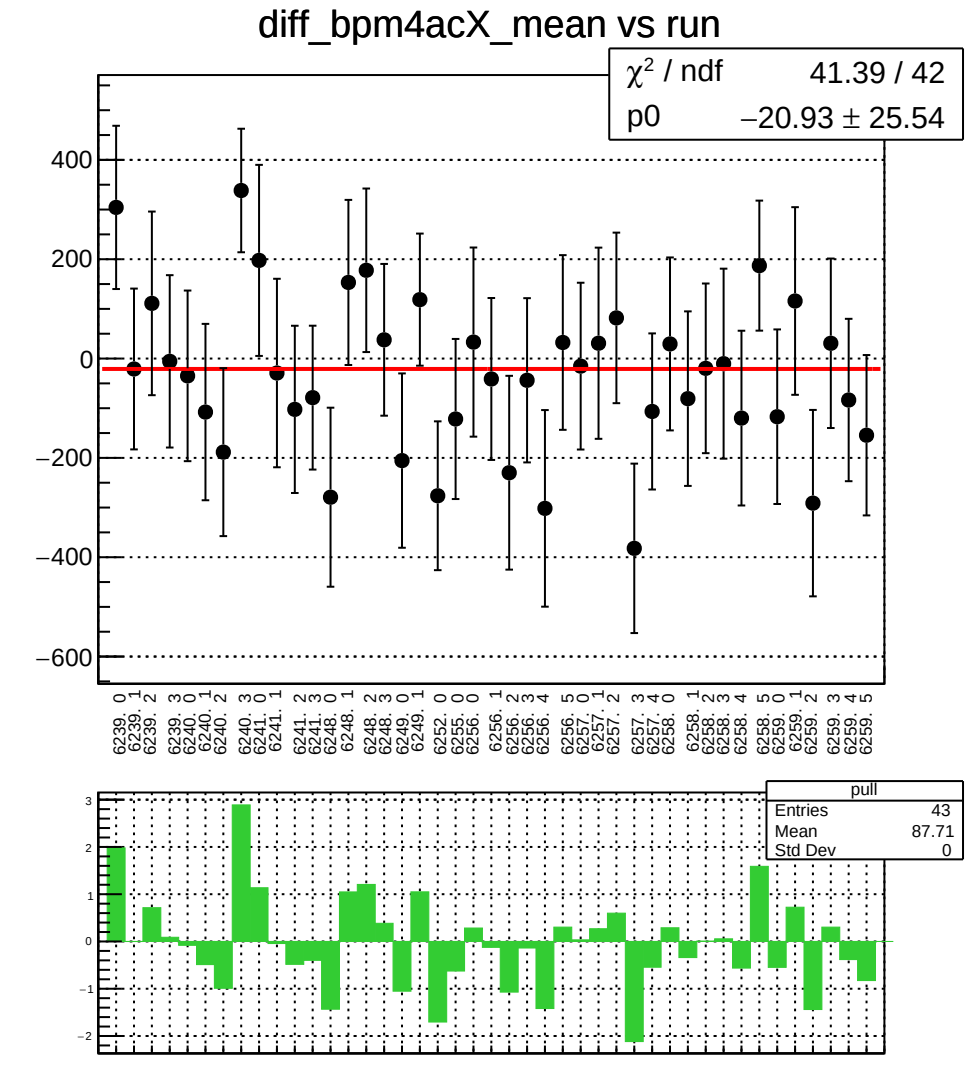

pull1D
Entries 43
Mean −0.04007
Std Dev 0.9633
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

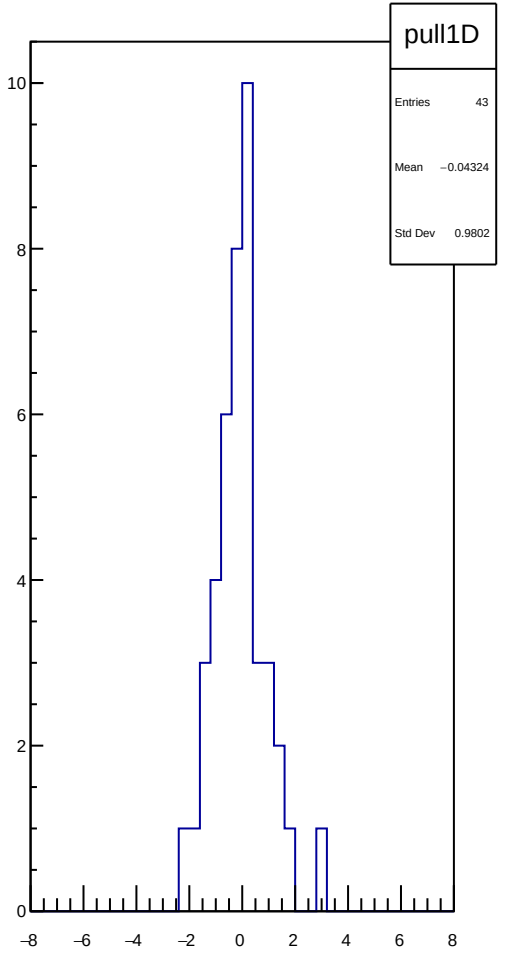

diff_bpm4eX_rms vs run
χ² / ndf 5155 / 42
p0 1.432e+04 ± 15.4
19000
18000
17000
16000
15000
14000
13000
12000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

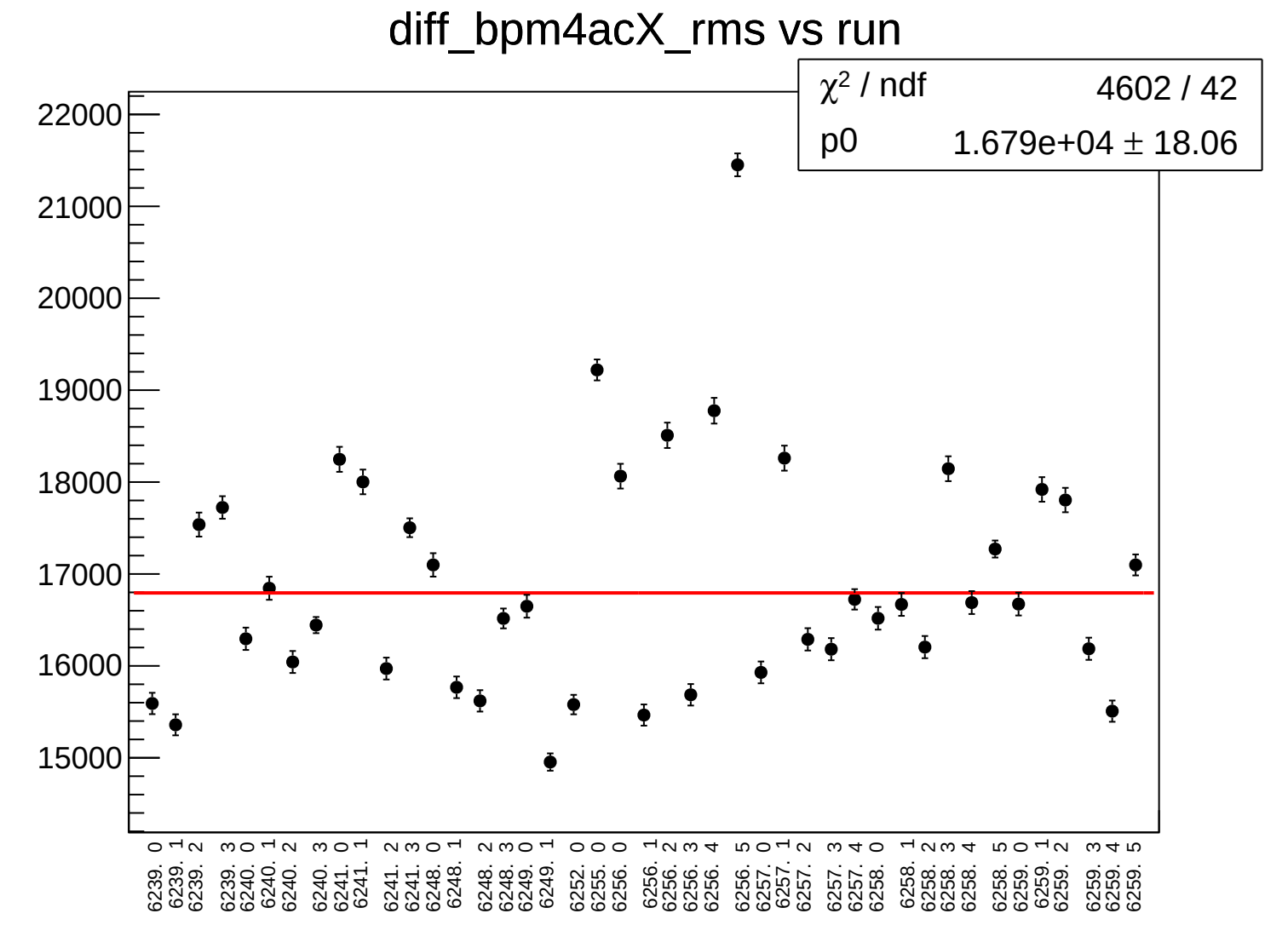

diff_bpm4eY_mean vs run
χ² / ndf 40.89 / 42
p0 −6.568 ± 13.12
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 417.8
Std Dev 0
3
2
1
0
−1
−2

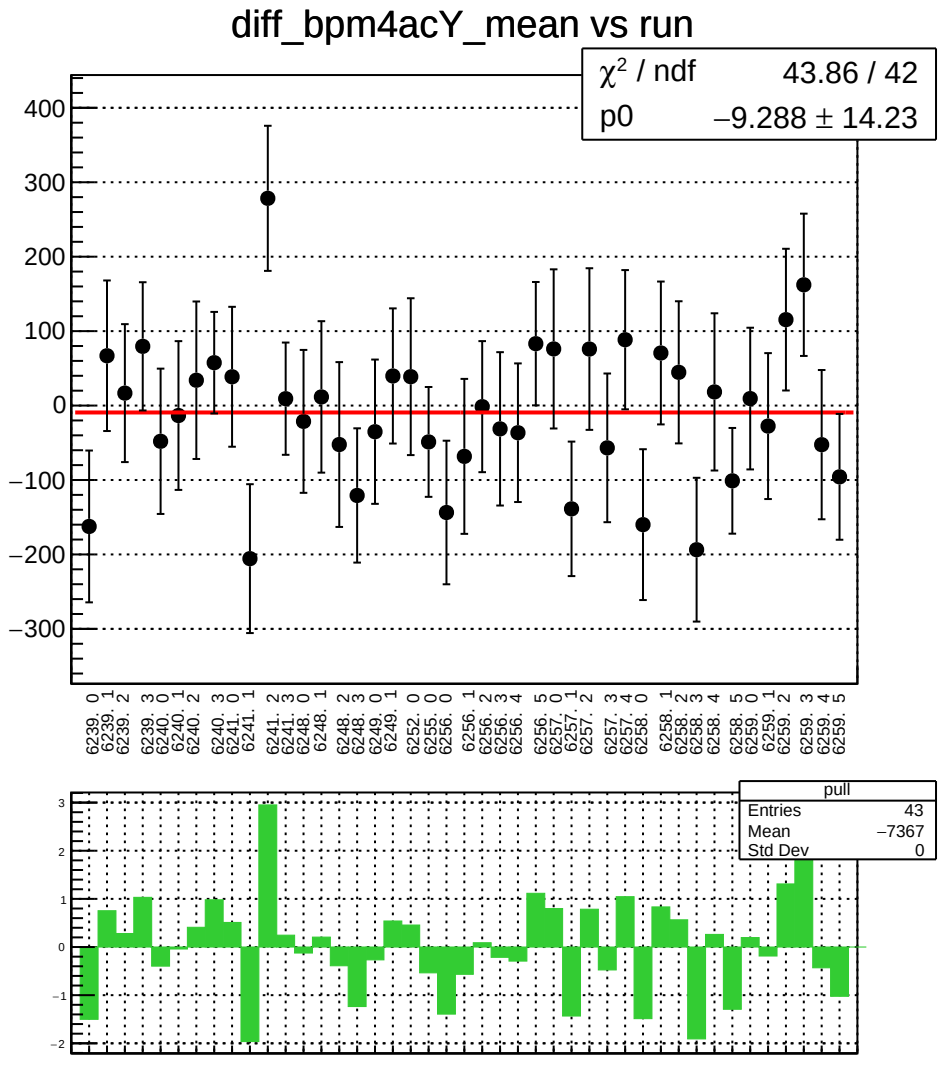

pull1D
Entries 43
Mean −0.002714
Std Dev 0.9751
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

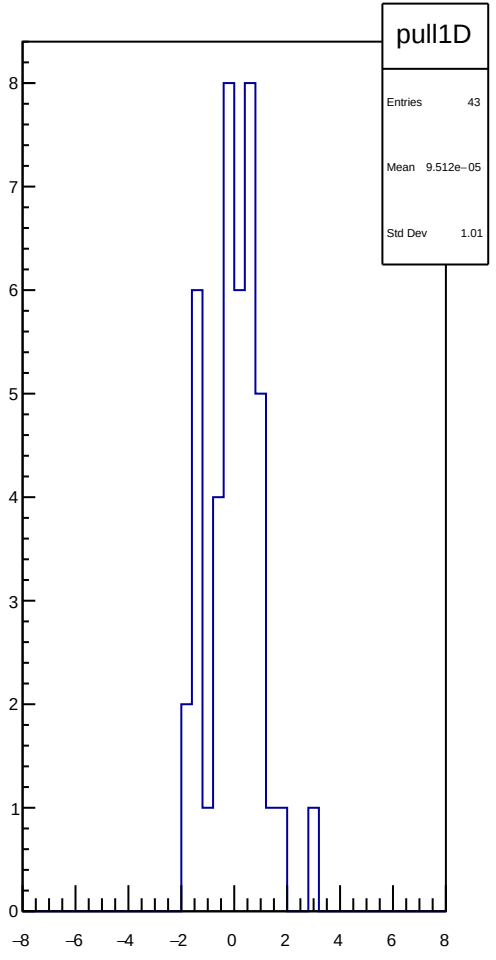

diff_bpm4eY_rms vs run
χ² / ndf 1713 / 42
p0 8642 ± 9.278
10000
9500
9000
8500
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

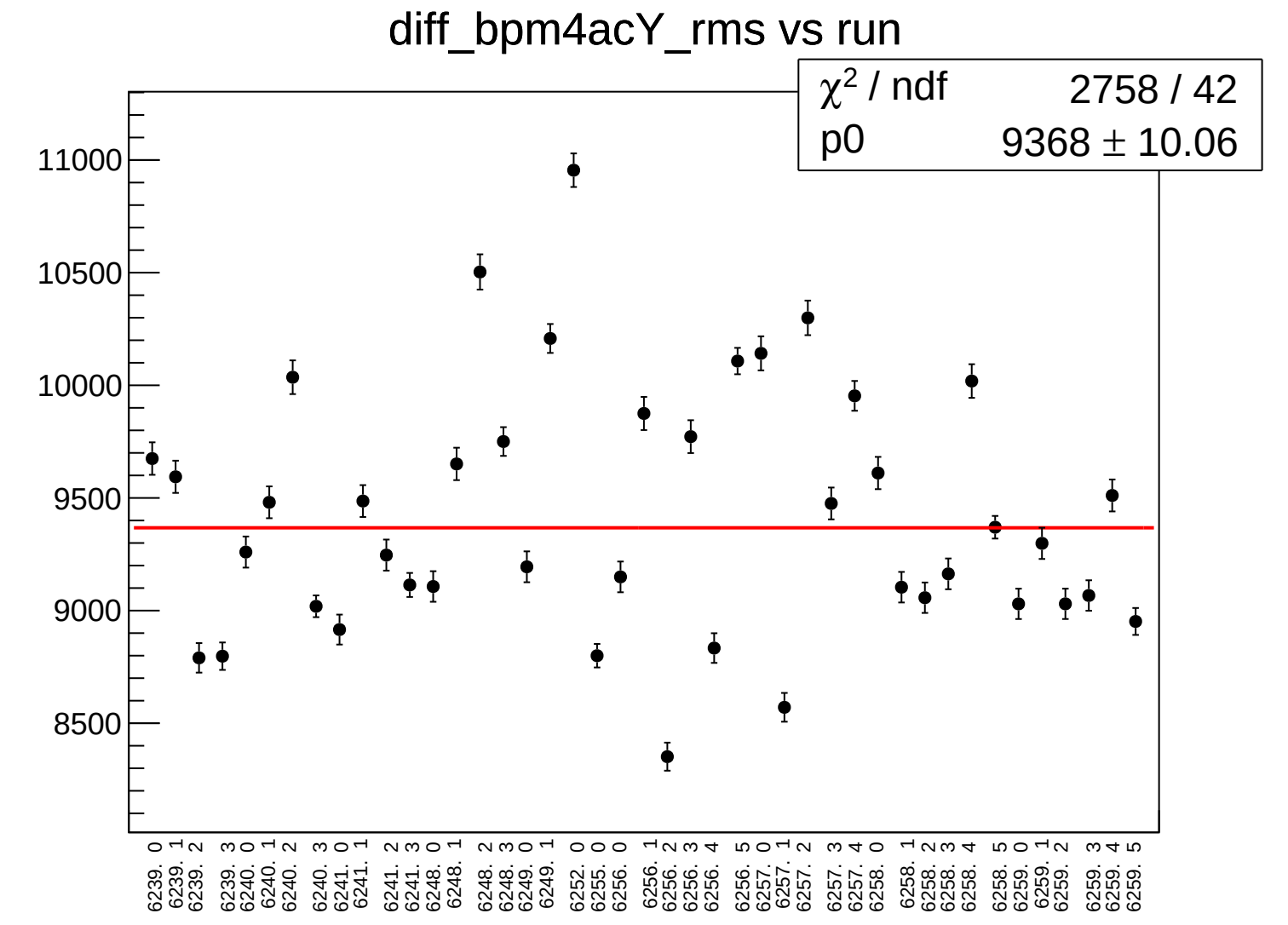

diff_bpm4acX_mean vs run
χ² / ndf 41.39 / 42
p0 −20.93 ± 25.54
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.71
Std Dev 0
3
2
1
0
−1
−2

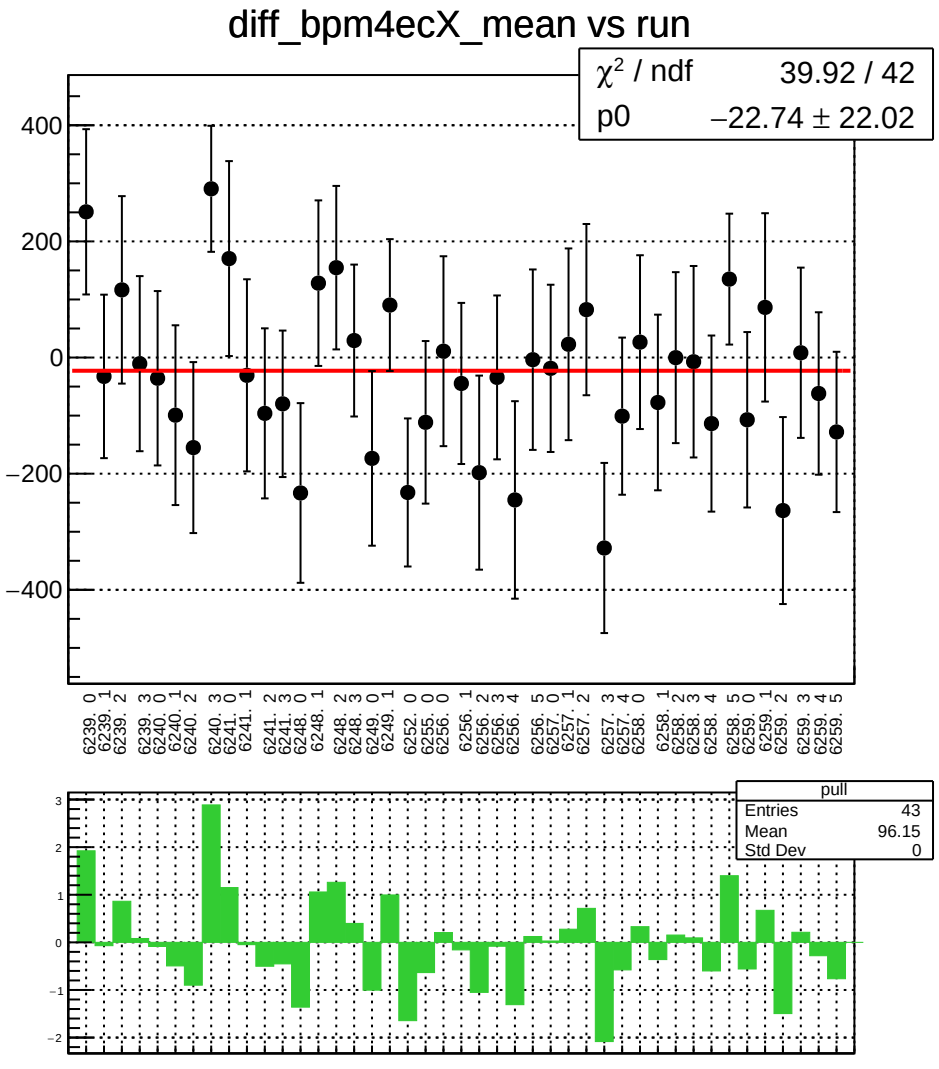

pull1D
Entries 43
Mean −0.04324
Std Dev 0.9802
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

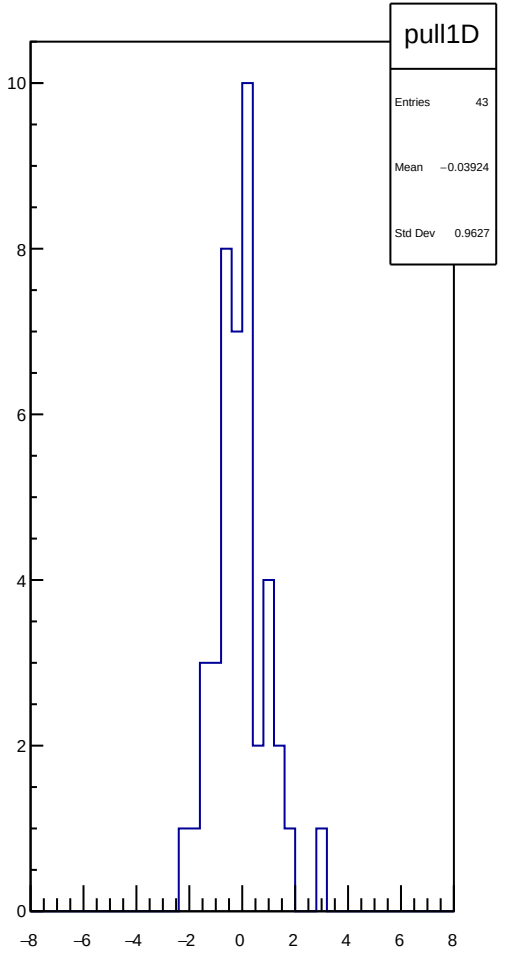

diff_bpm4acX_rms vs run
χ² / ndf 4602 / 42
p0 1.679e+04 ± 18.06
22000
21000
20000
19000
18000
17000
16000
15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

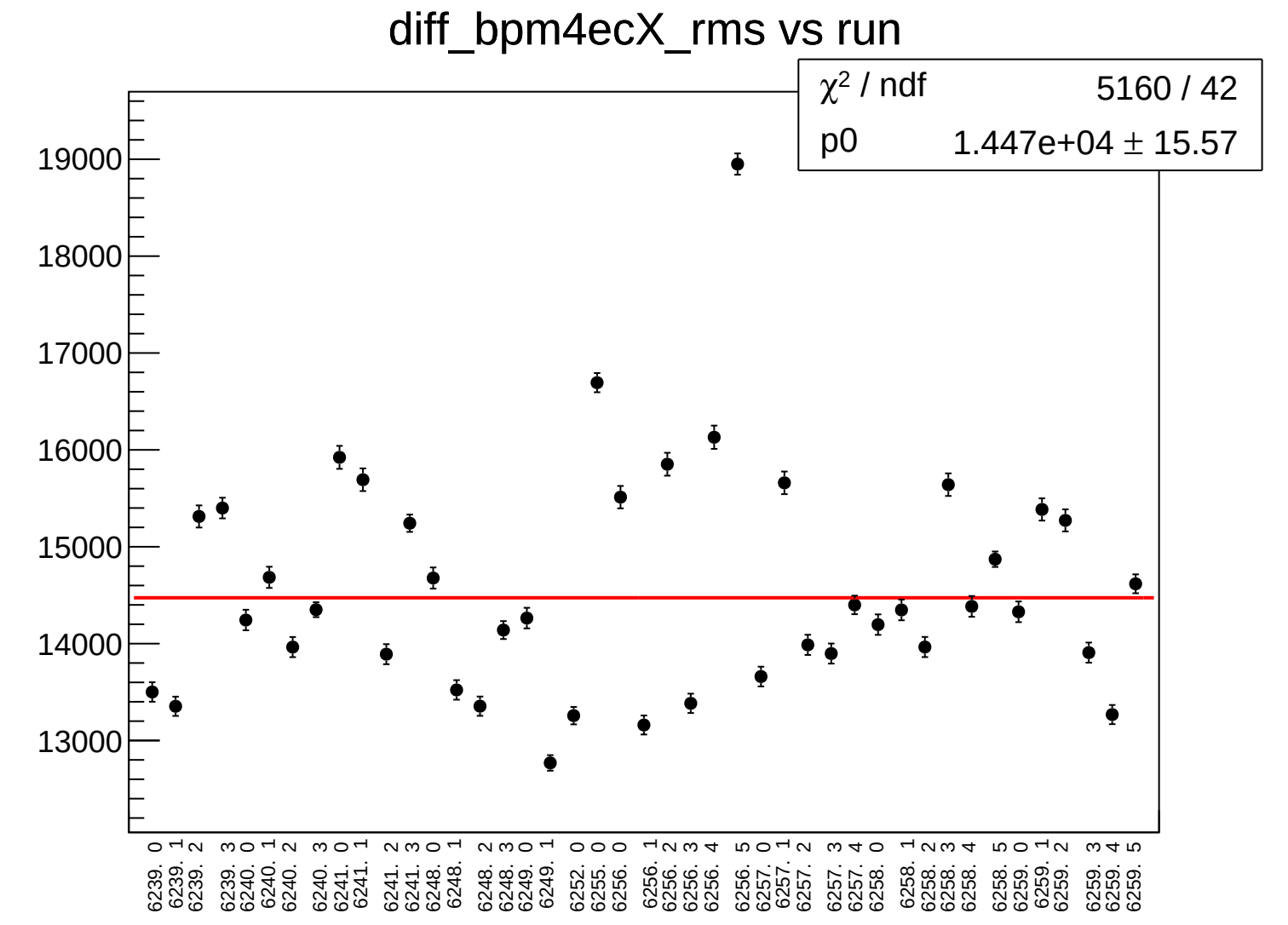

diff_bpm4acY_mean vs run
χ² / ndf 43.86 / 42
p0 −9.288 ± 14.23
400
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −7367
Std Dev 0
3
2
1
0
−1
−2

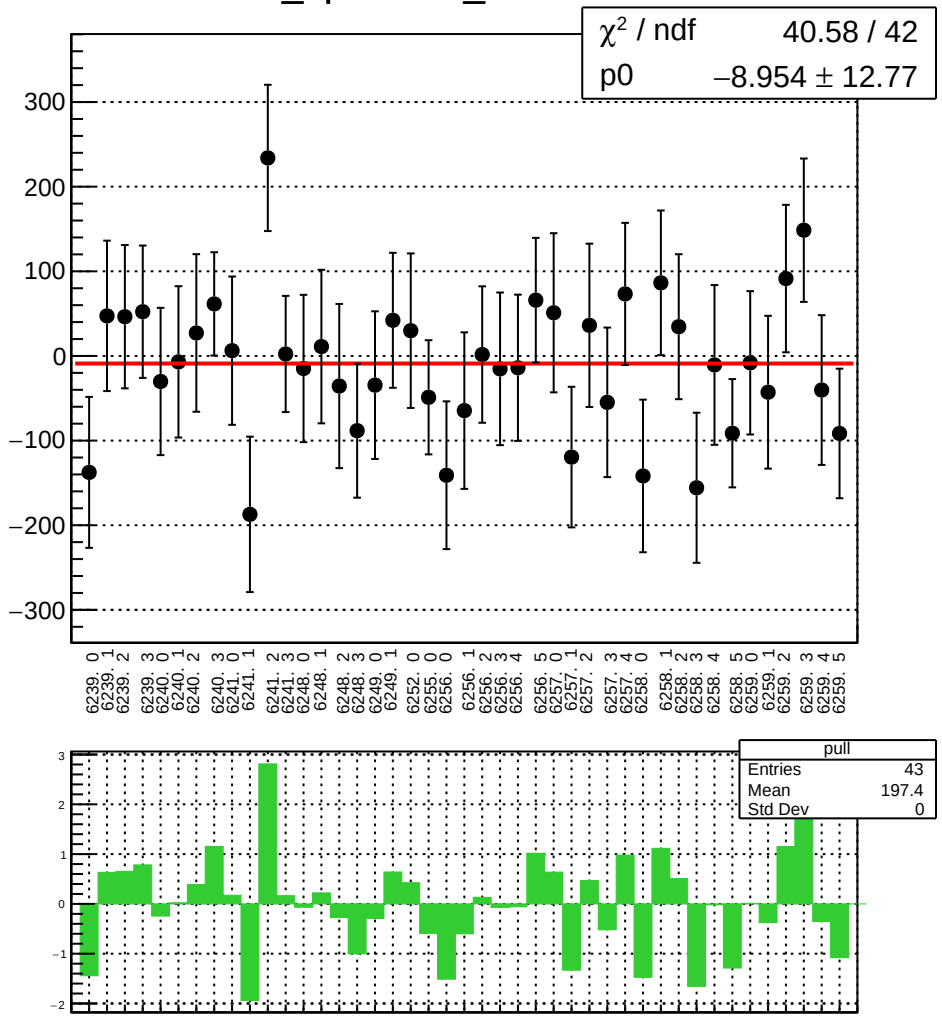

pull1D
Entries 43
Mean 9.512e−05
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

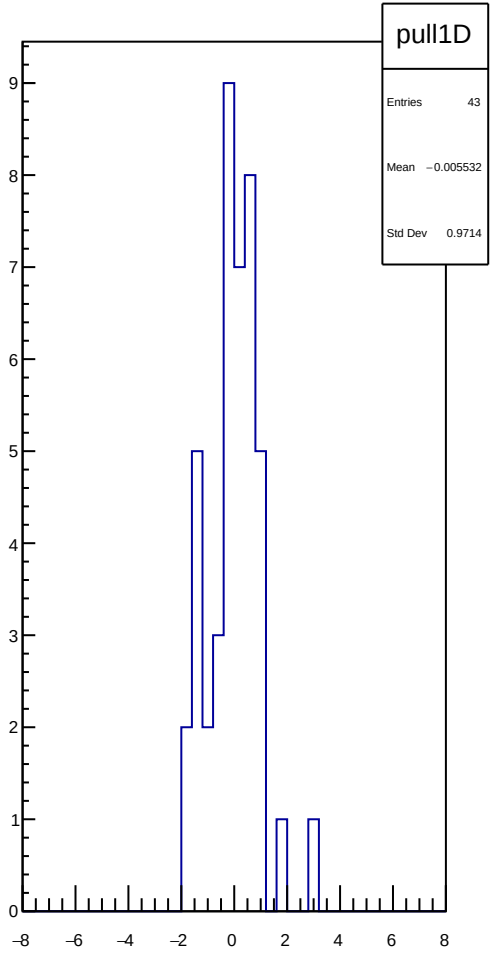

diff_bpm4acY_rms vs run
χ² / ndf 2758 / 42
p0 9368 ± 10.06
11000
10500
10000
9500
9000
8500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

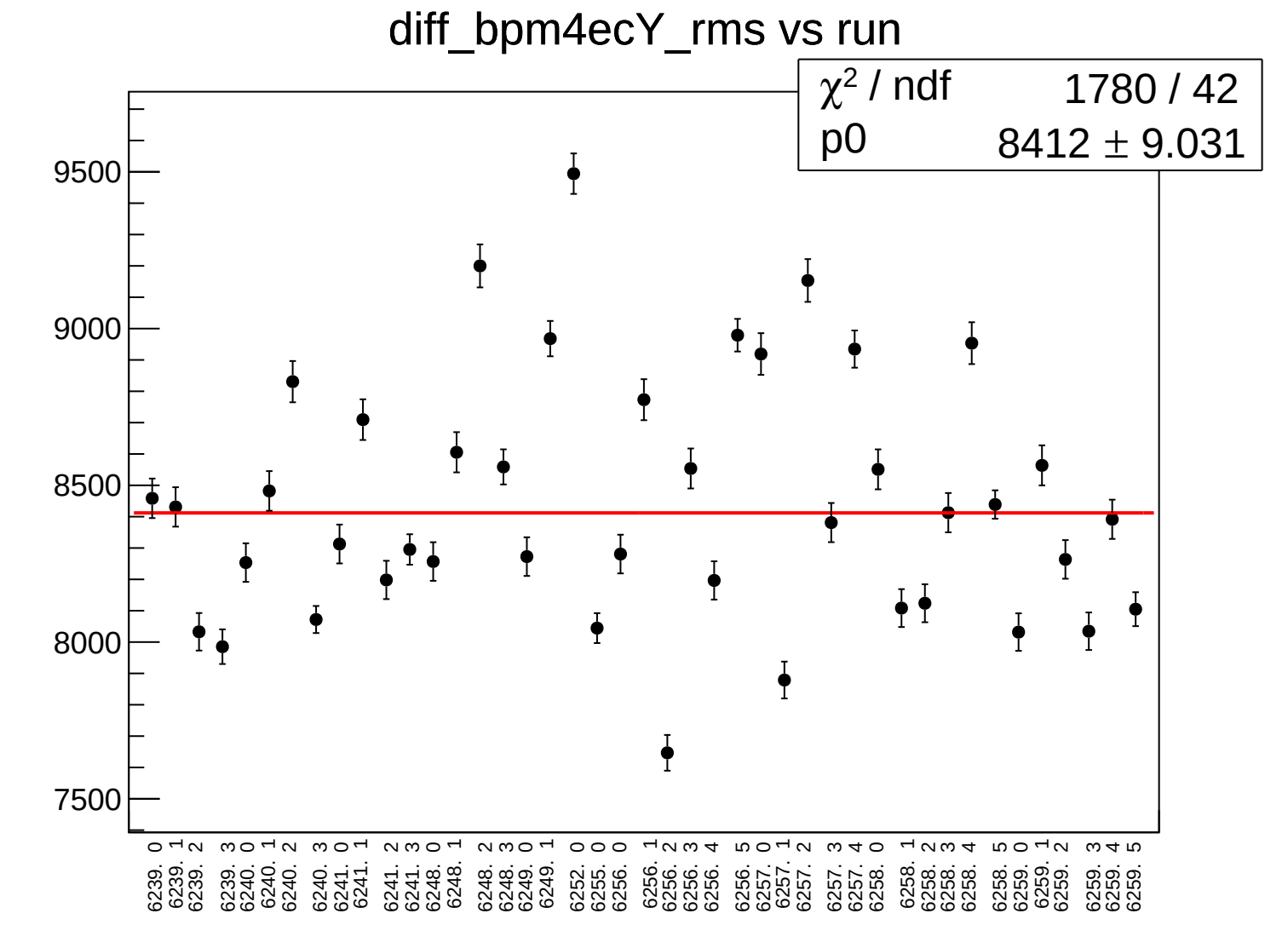

diff_bpm4ecX_mean vs run
χ² / ndf 39.92 / 42
p0 −22.74 ± 22.02
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 96.15
Std Dev 0
3
2
1
0
−1
−2

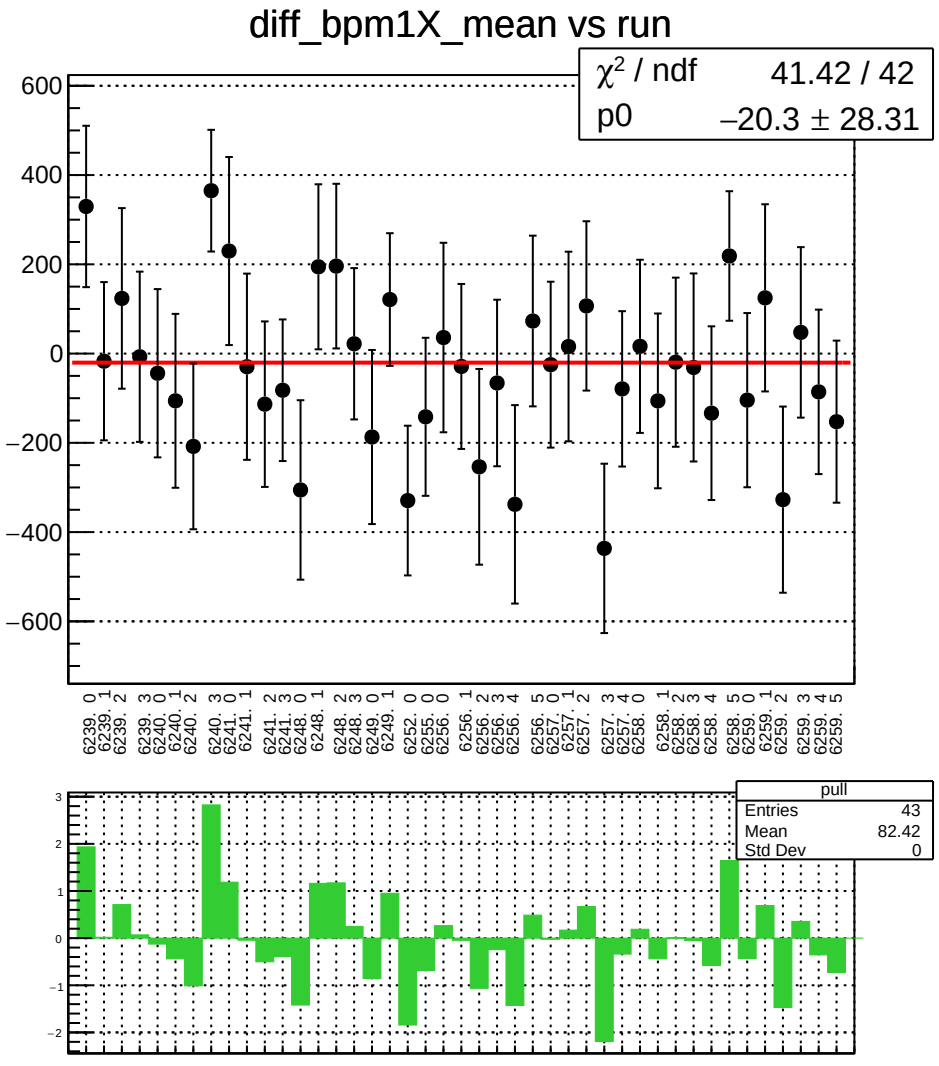

pull1D
Entries 43
Mean −0.03924
Std Dev 0.9627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

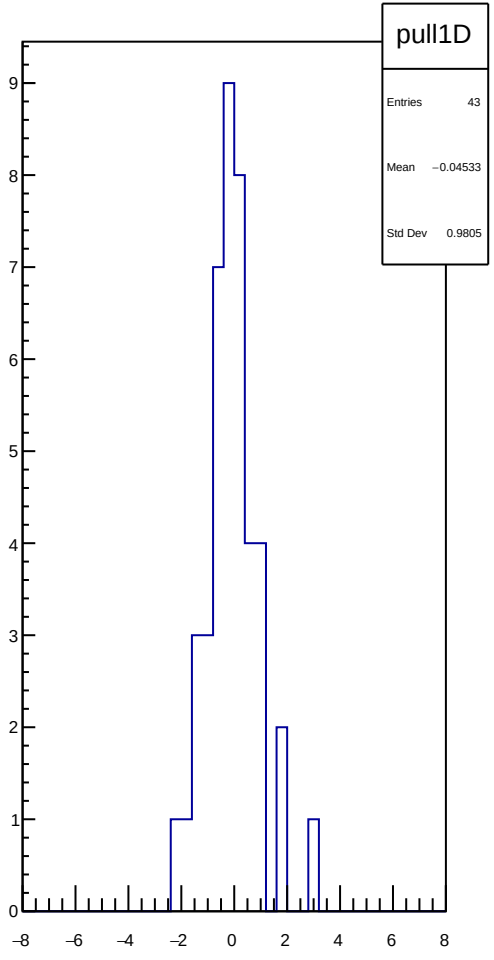

diff_bpm4ecX_rms vs run
χ² / ndf 5160 / 42
p0 1.447e+04 ± 15.57
19000
18000
17000
16000
15000
14000
13000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

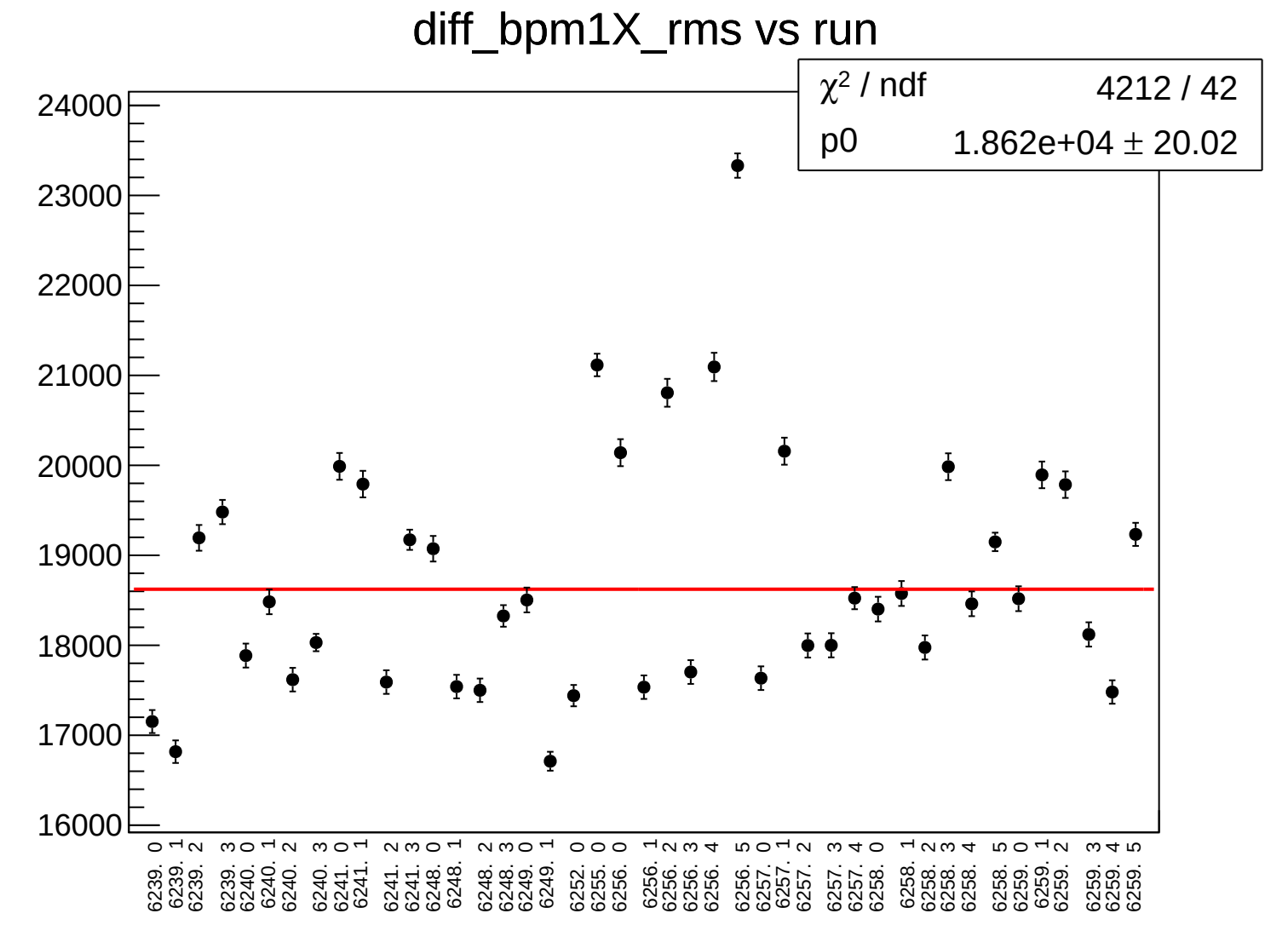

diff_bpm4ecY_mean vs run
χ² / ndf 40.58 / 42
p0 −8.954 ± 12.77
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 197.4
Std Dev 0
3
2
1
0
−1
−2

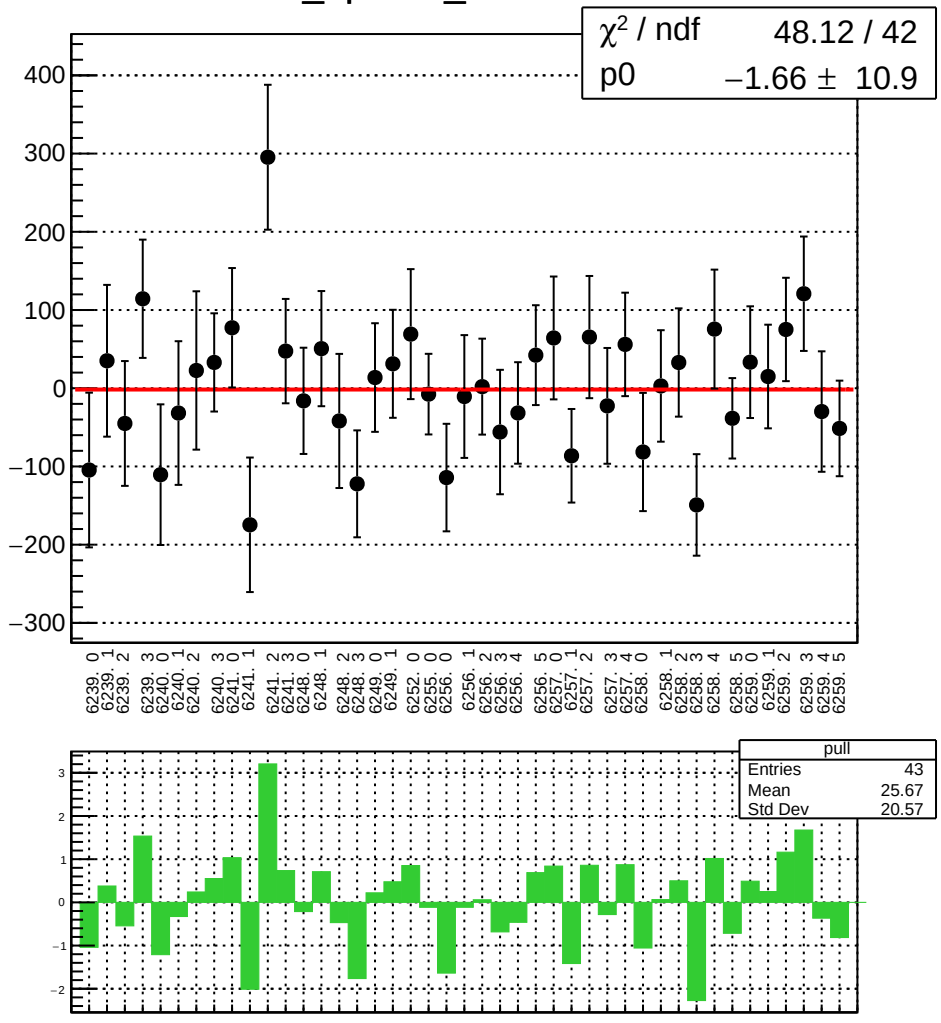

pull1D
Entries 43
Mean −0.005532
Std Dev 0.9714
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

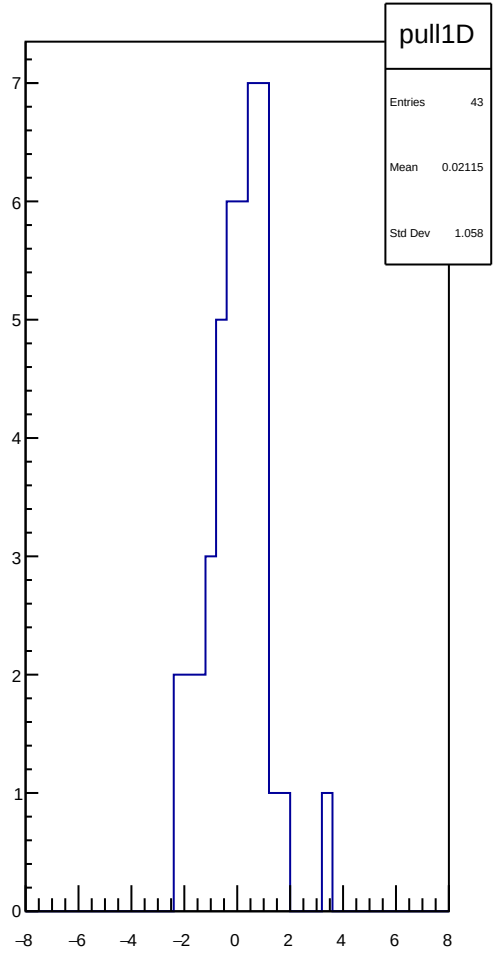

diff_bpm4ecY_rms vs run
χ² / ndf 1780 / 42
p0 8412 ± 9.031
9500
9000
8500
8000
7500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

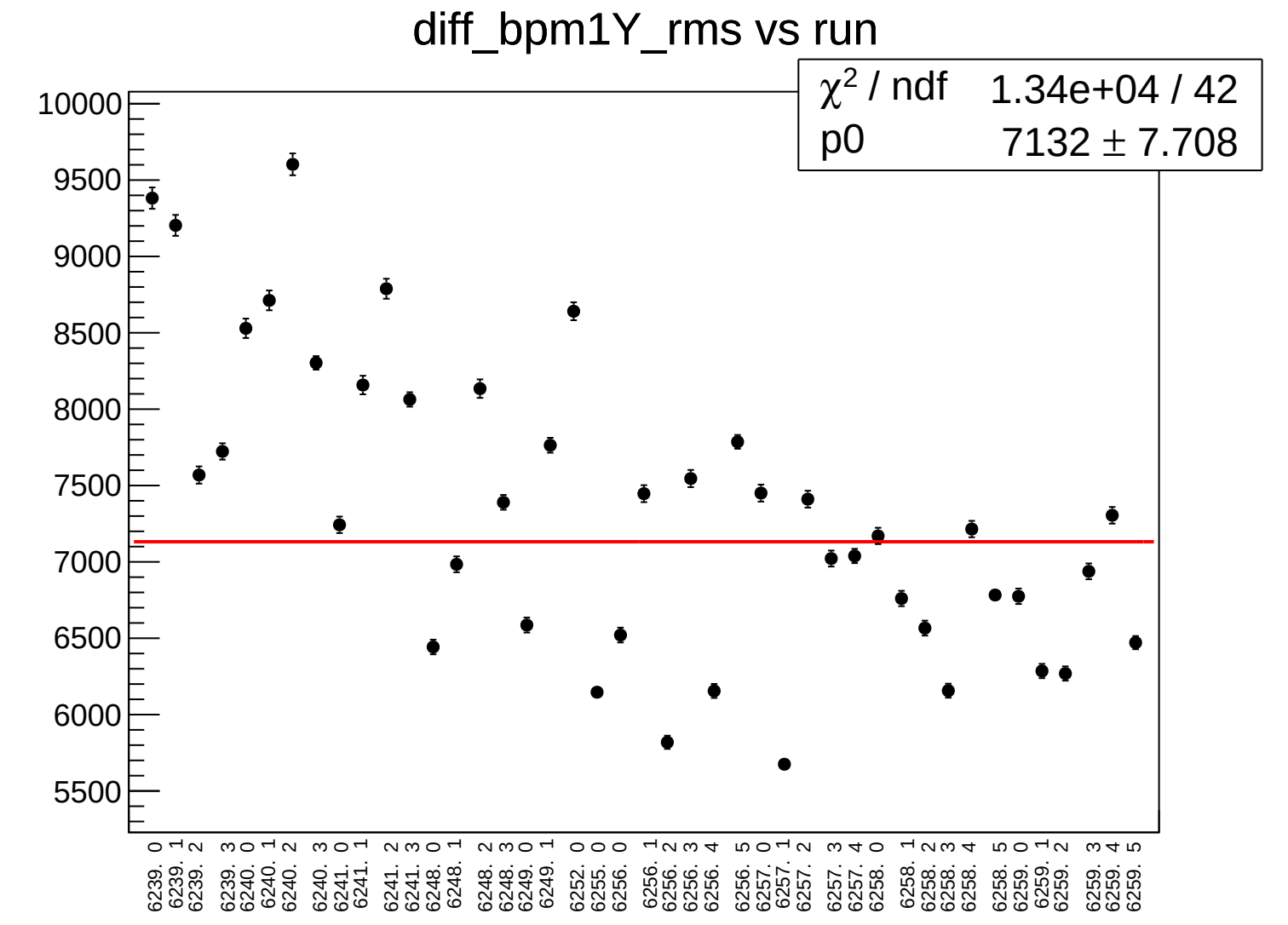

diff_bpm1X_mean vs run
χ² / ndf 41.42 / 42
p0 −20.3 ± 28.31
600
400
200
0
−200
−400
−600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.42
Std Dev 0
3
2
1
0
−1
−2

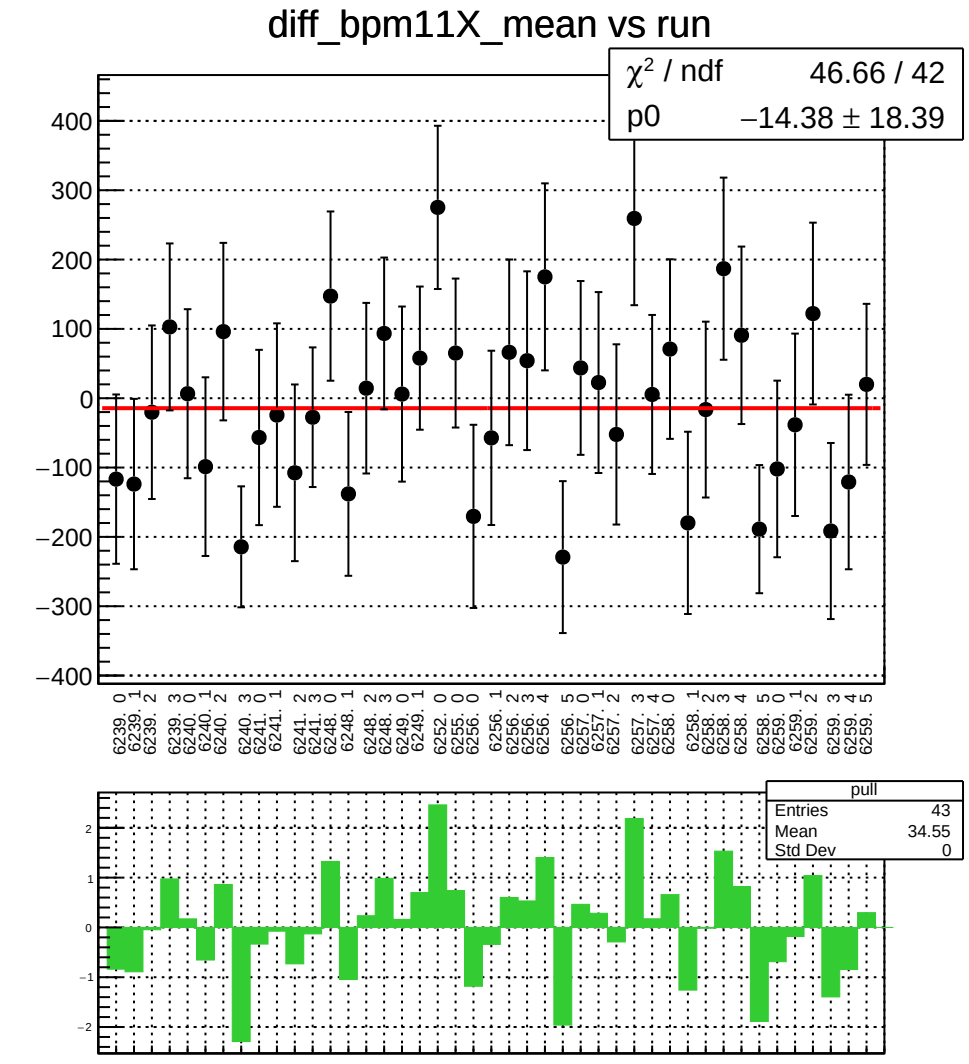

pull1D
Entries 43
Mean −0.04533
Std Dev 0.9805
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

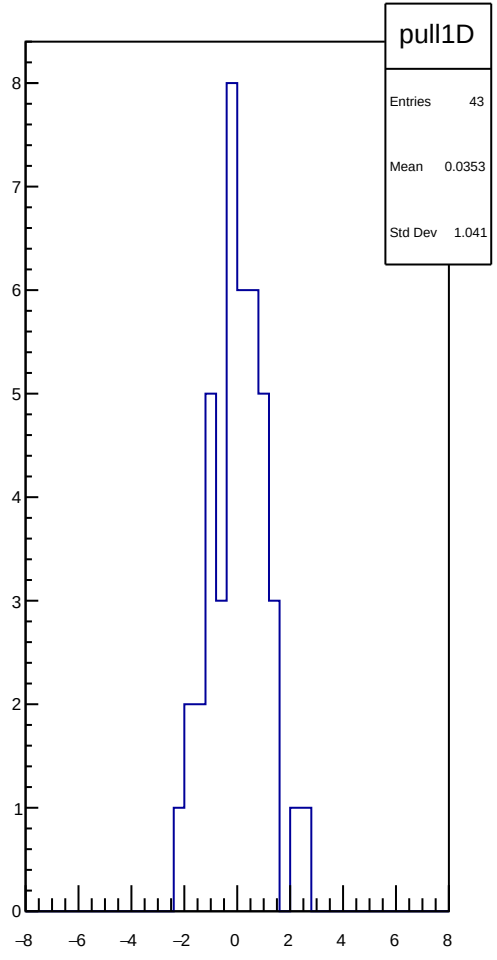

diff_bpm1X_rms vs run
χ² / ndf 4212 / 42
p0 1.862e+04 ± 20.02
24000
23000
22000
21000
20000
19000
18000
17000
16000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

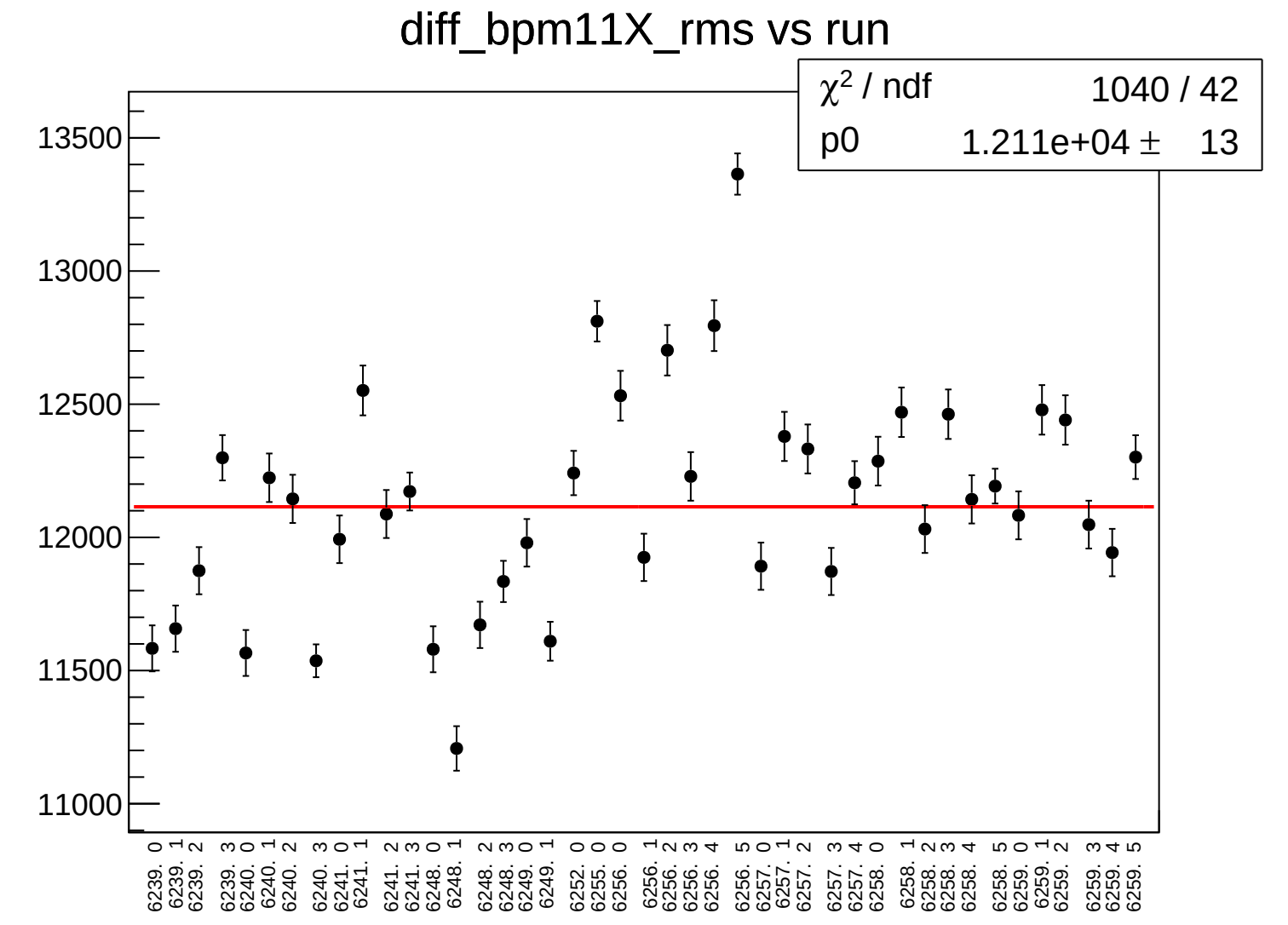

diff_bpm1Y_mean vs run
χ² / ndf 48.12 / 42
p0 −1.66 ± 10.9
pull
Entries 43
Mean 25.67
Std Dev 20.57

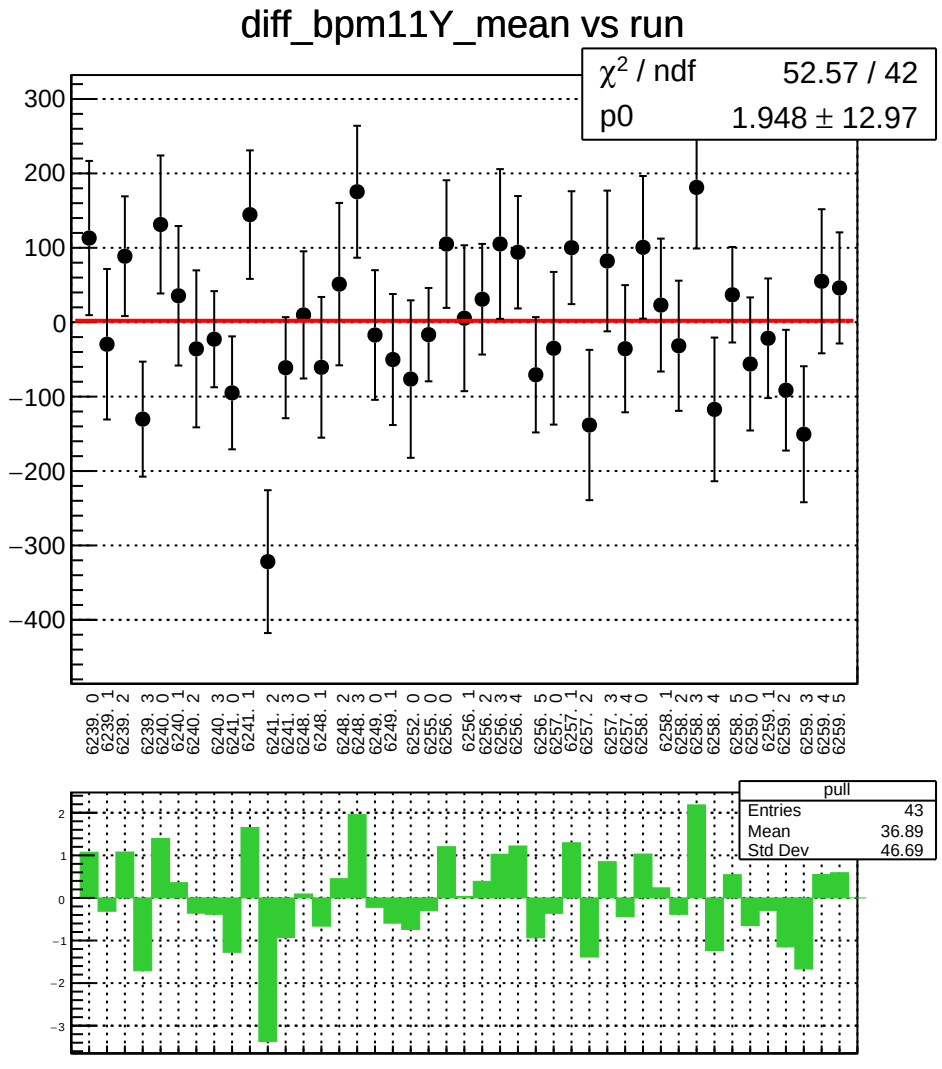

pull1D
Entries 43
Mean 0.02115
Std Dev 1.058

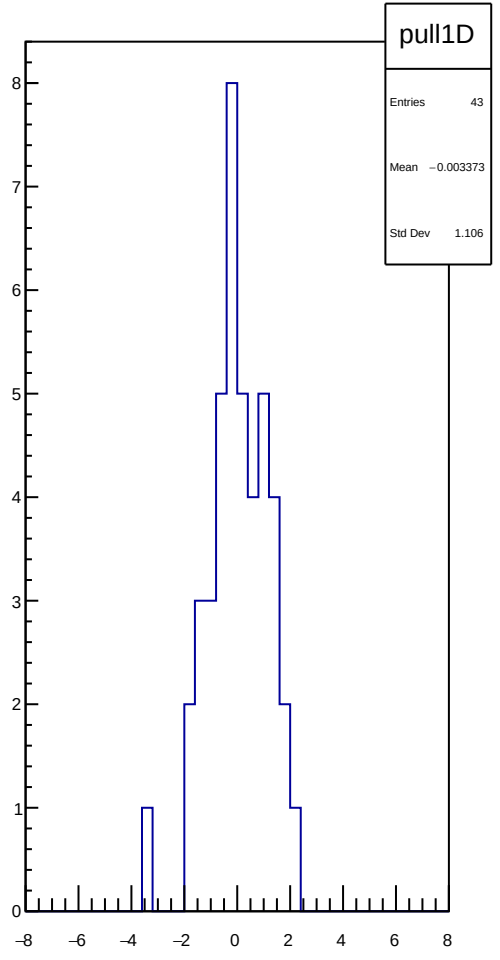

diff_bpm1Y_rms vs run
χ² / ndf 1.34e+04 / 42
p0 7132 ± 7.708
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

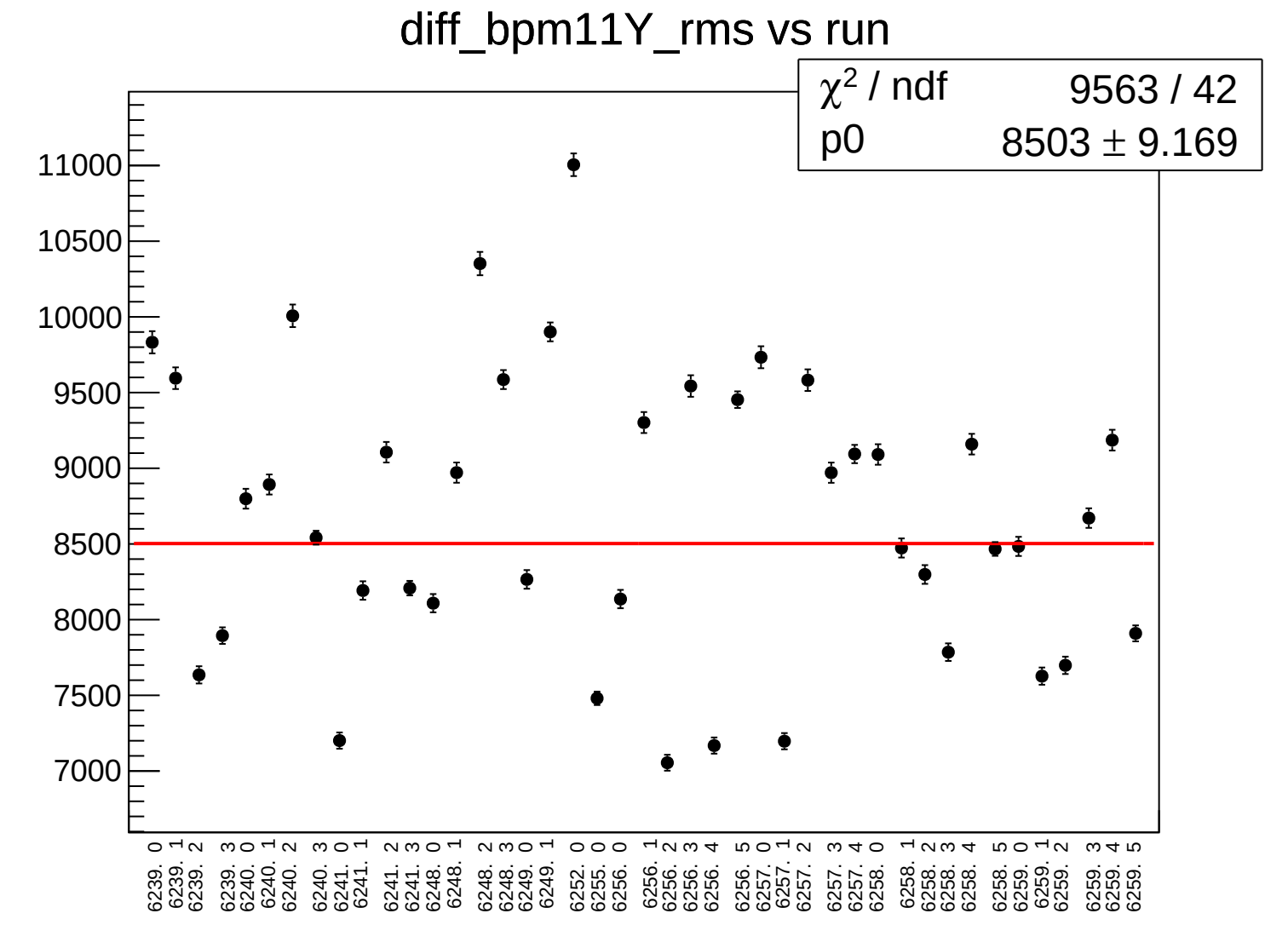

diff_bpm11X_mean vs run
χ² / ndf 46.66 / 42
p0 −14.38 ± 18.39
400
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.55
Std Dev 0
2
1
0
−1
−2

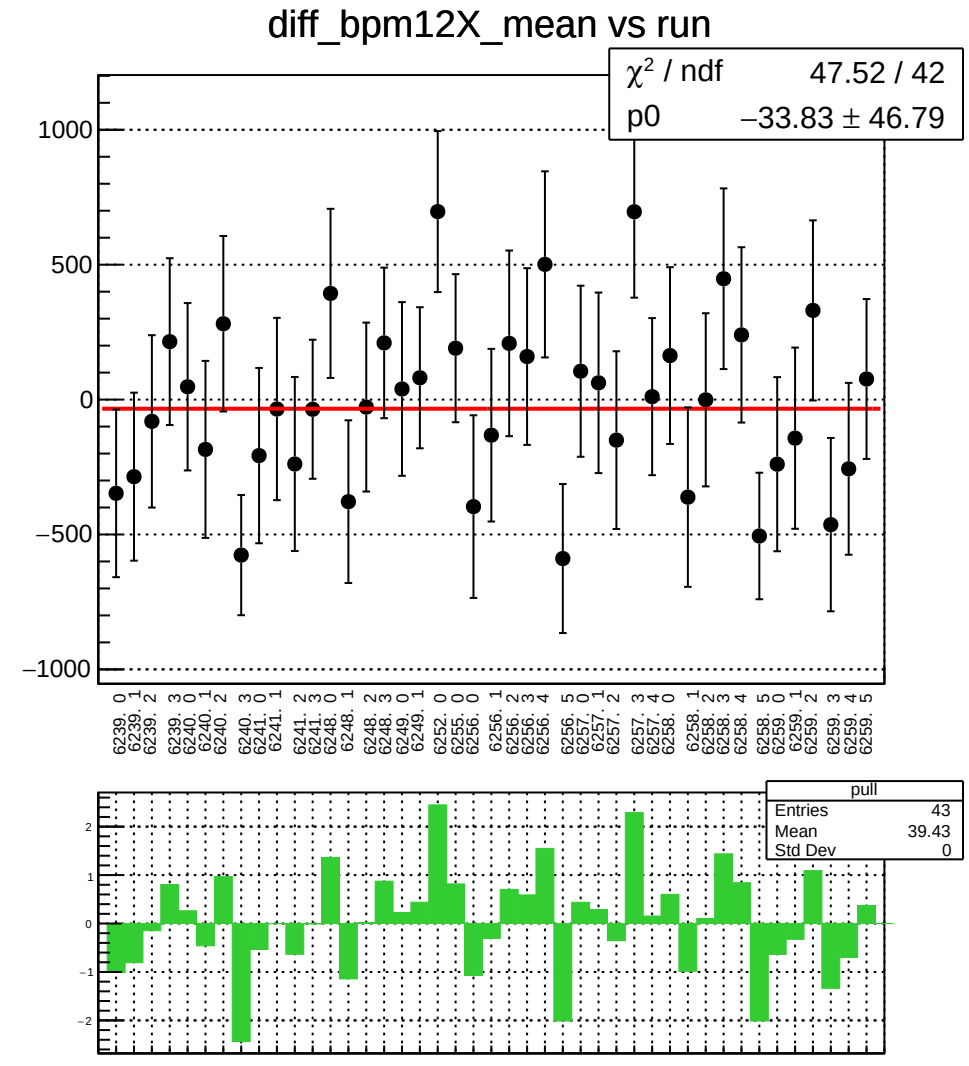

pull1D
Entries 43
Mean 0.0353
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

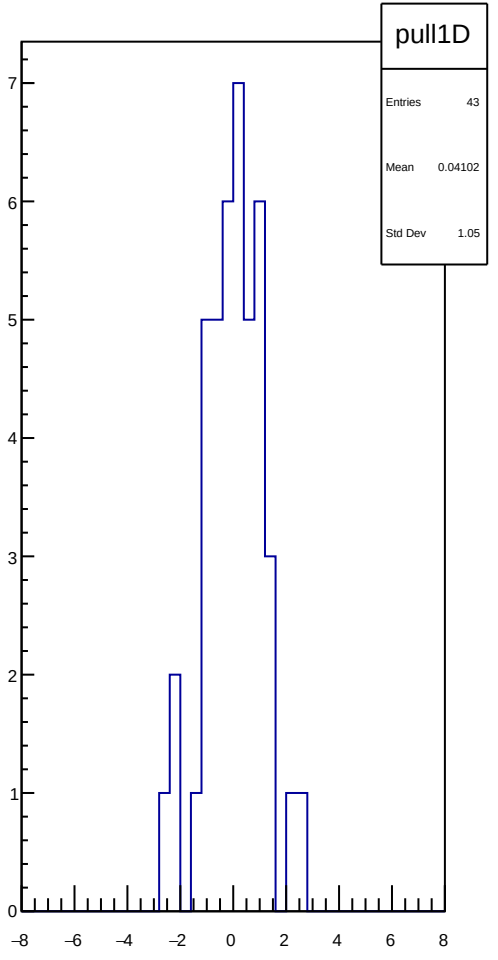

diff_bpm11X_rms vs run
χ² / ndf 1040 / 42
p0 1.211e+04 ± 13
13500
13000
12500
12000
11500
11000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

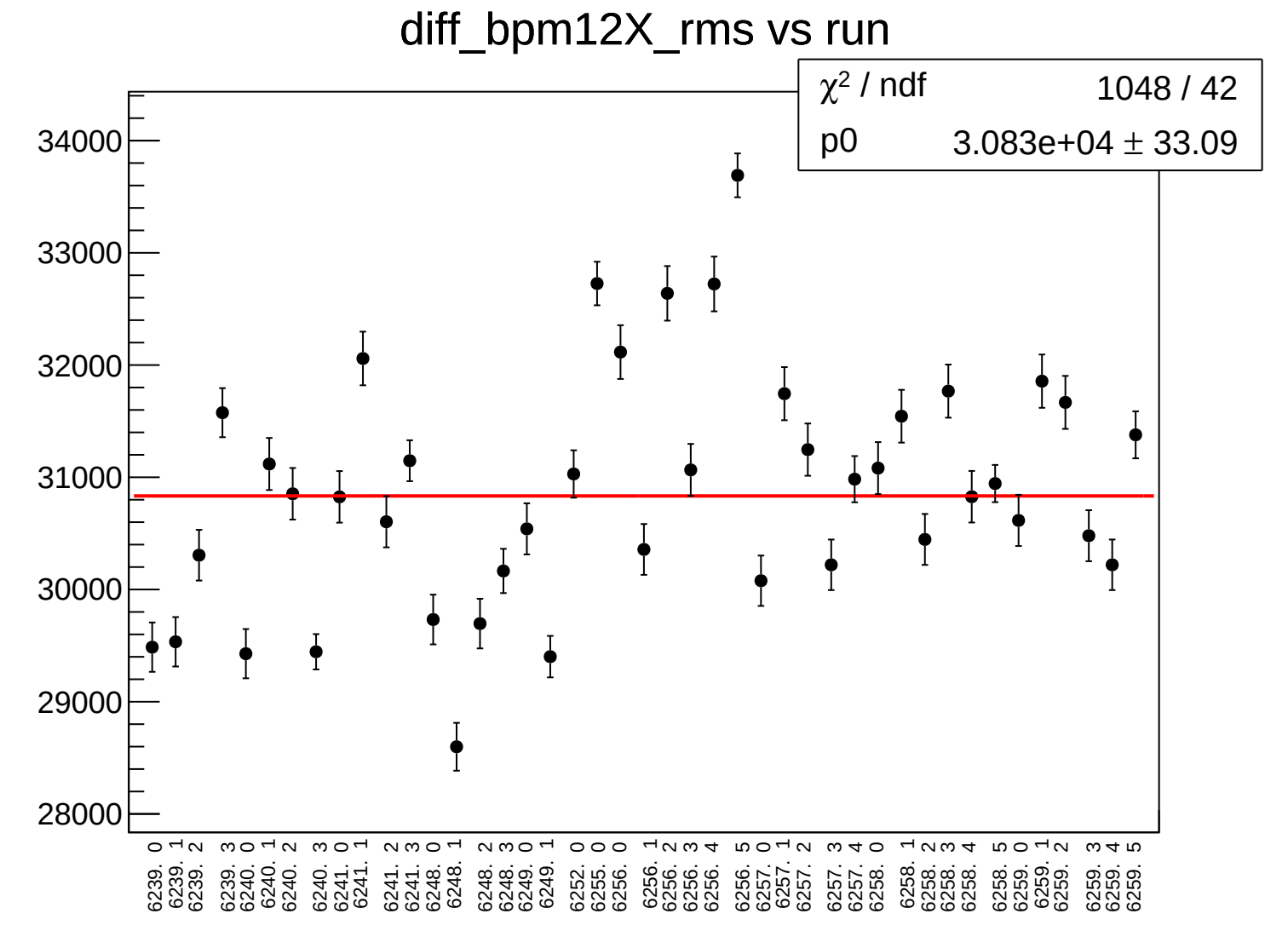

diff_bpm11Y_mean vs run
χ² / ndf 52.57 / 42
p0 1.948 ± 12.97
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 36.89
Std Dev 46.69
2
1
0
−1
−2
−3

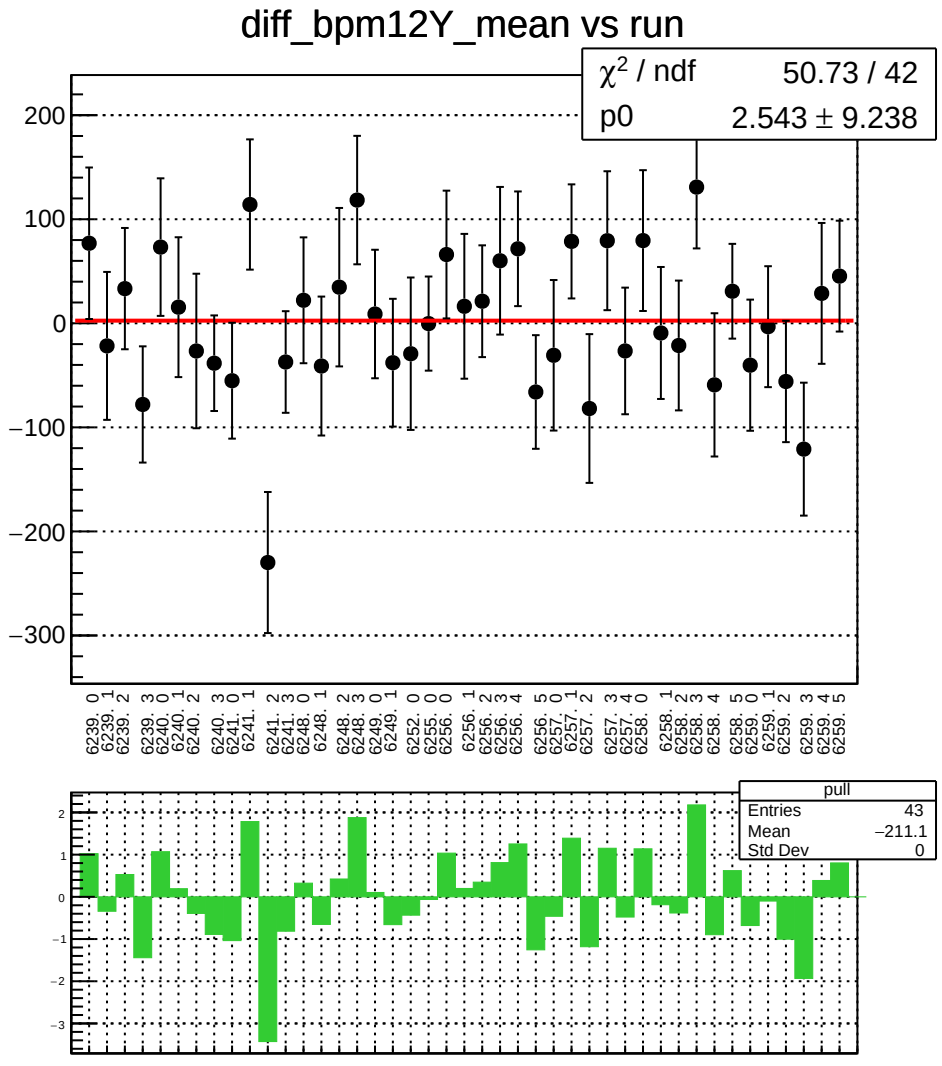

pull1D
Entries 43
Mean −0.003373
Std Dev 1.106
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

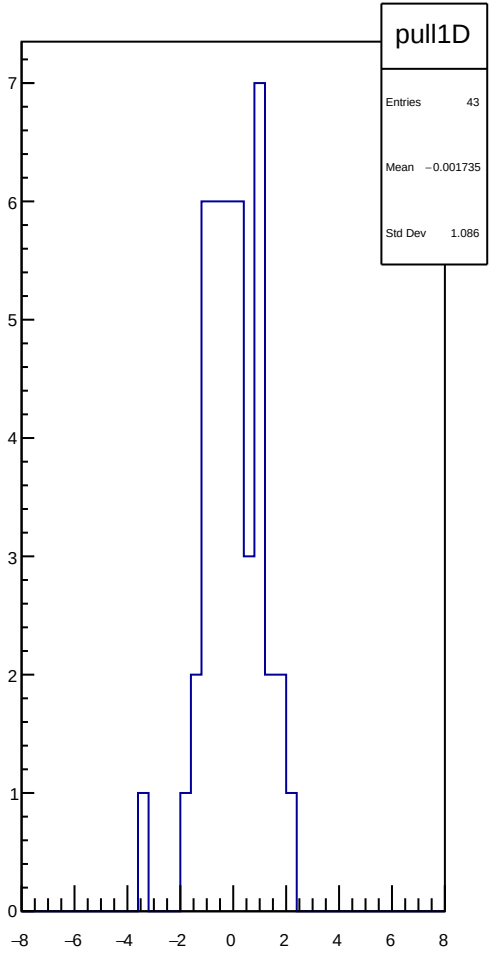

diff_bpm11Y_rms vs run
χ² / ndf 9563 / 42
p0 8503 ± 9.169
11000
10500
10000
9500
9000
8500
8000
7500
7000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

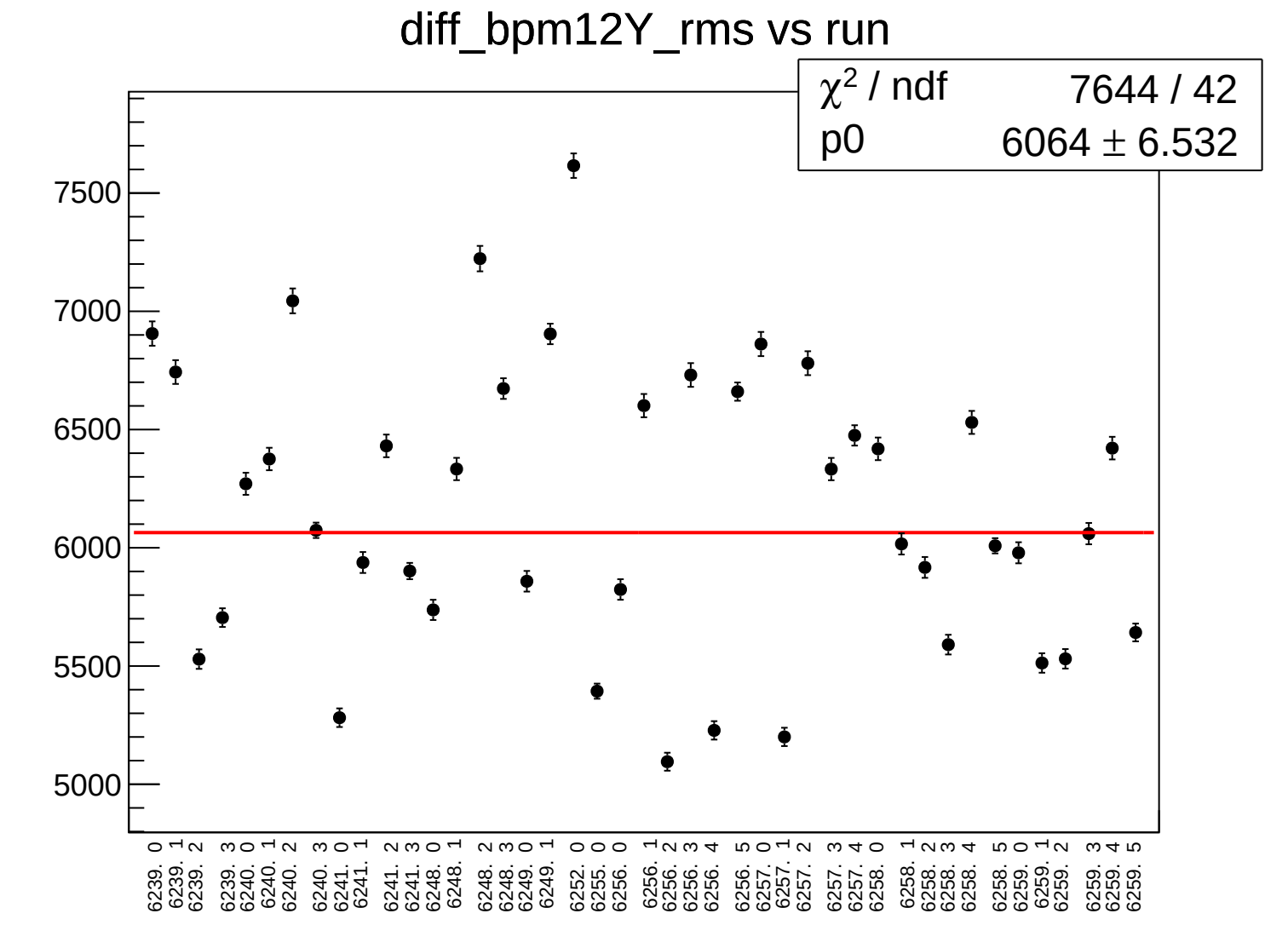

diff_bpm12X_mean vs run
χ² / ndf 47.52 / 42
p0 −33.83 ± 46.79
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 39.43
Std Dev 0
2
1
0
−1
−2

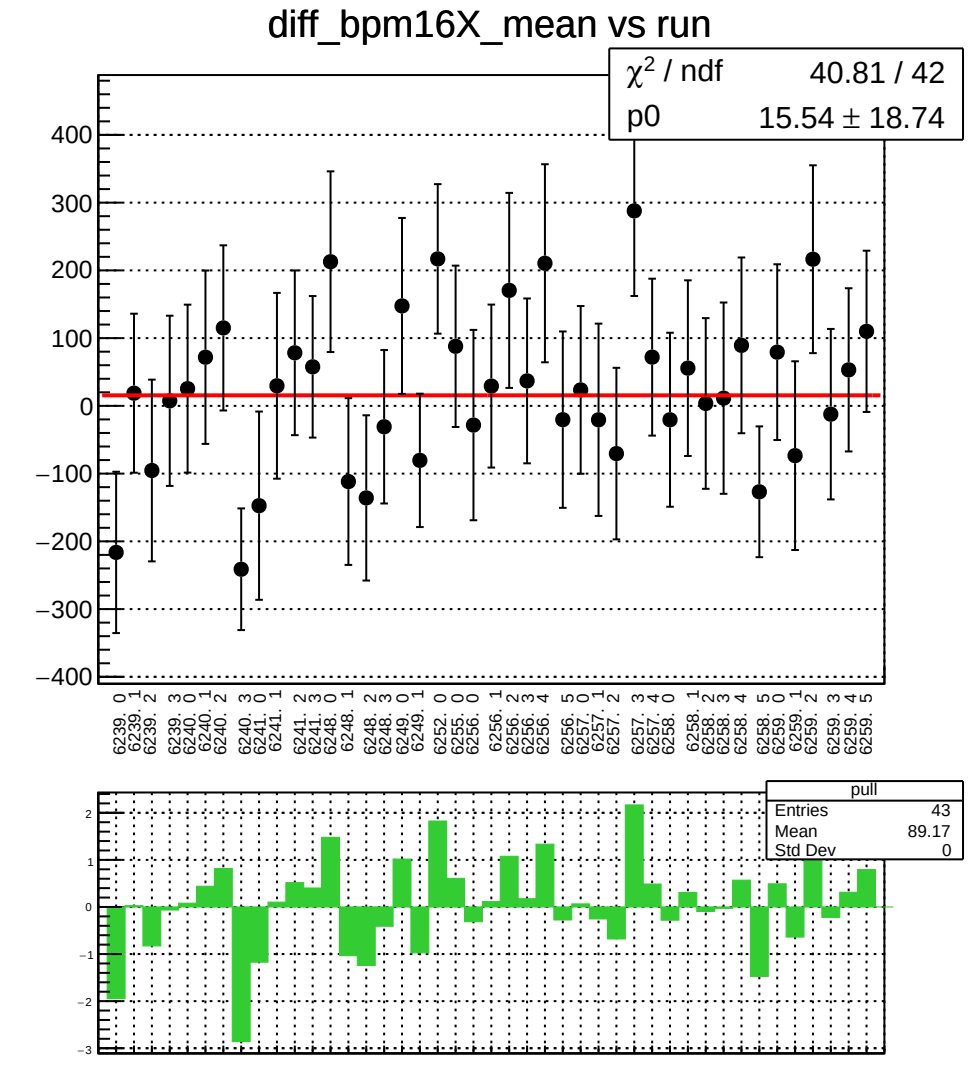

pull1D
Entries 43
Mean 0.04102
Std Dev 1.05
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

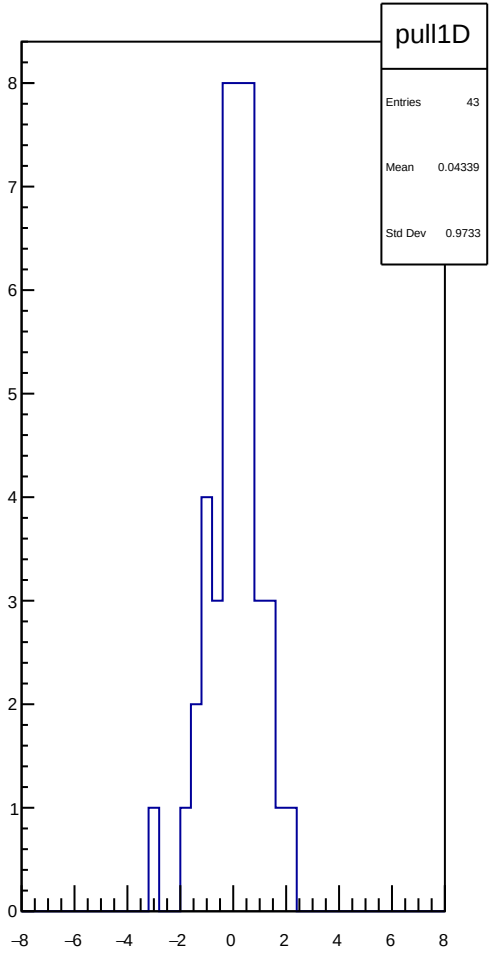

diff_bpm12X_rms vs run
χ² / ndf 1048 / 42
p0 3.083e+04 ± 33.09
34000
33000
32000
31000
30000
29000
28000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

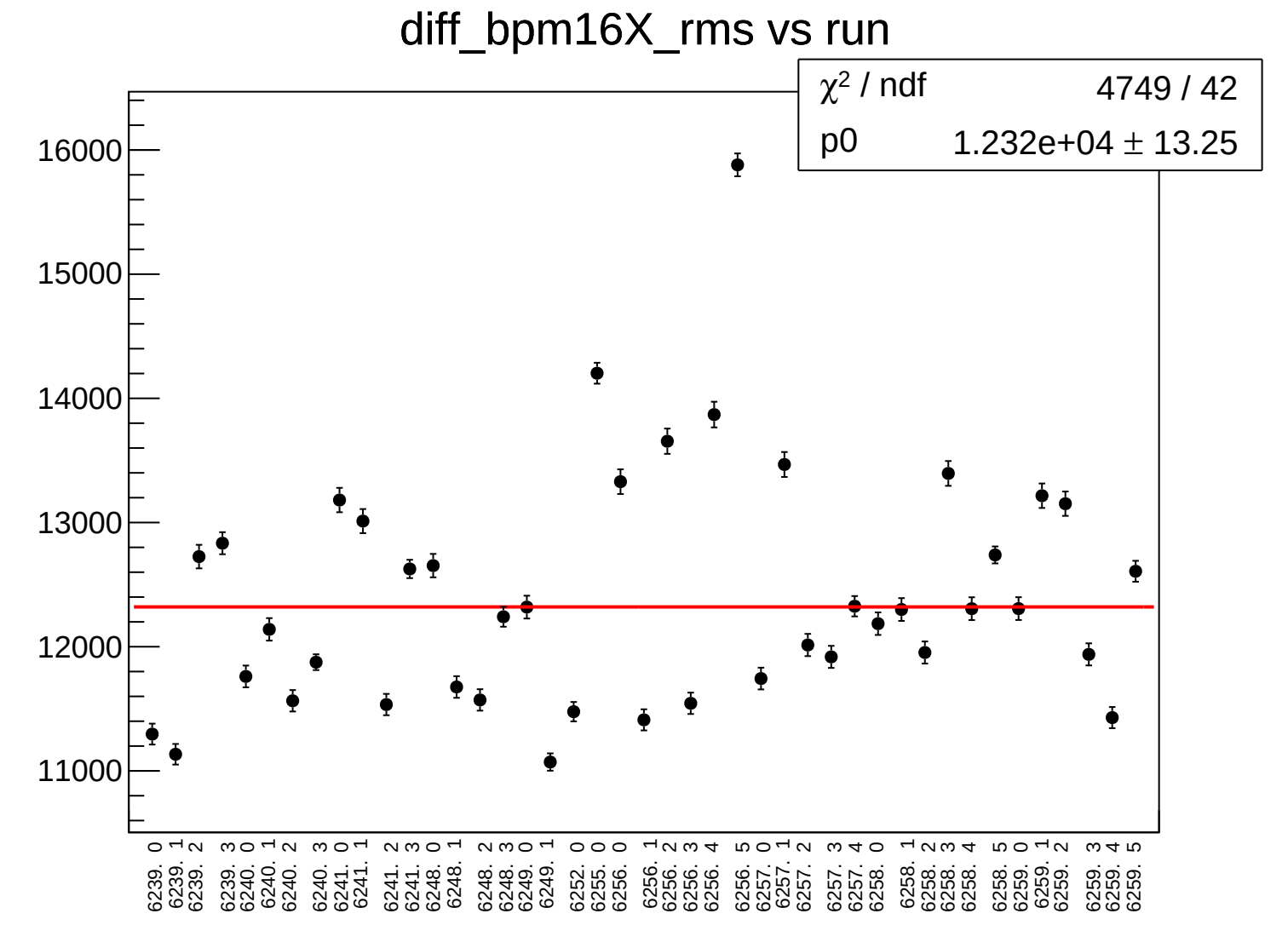

diff_bpm12Y_mean vs run
χ² / ndf 50.73 / 42
p0 2.543 ± 9.238
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −211.1
Std Dev 0
2
1
0
−1
−2
−3

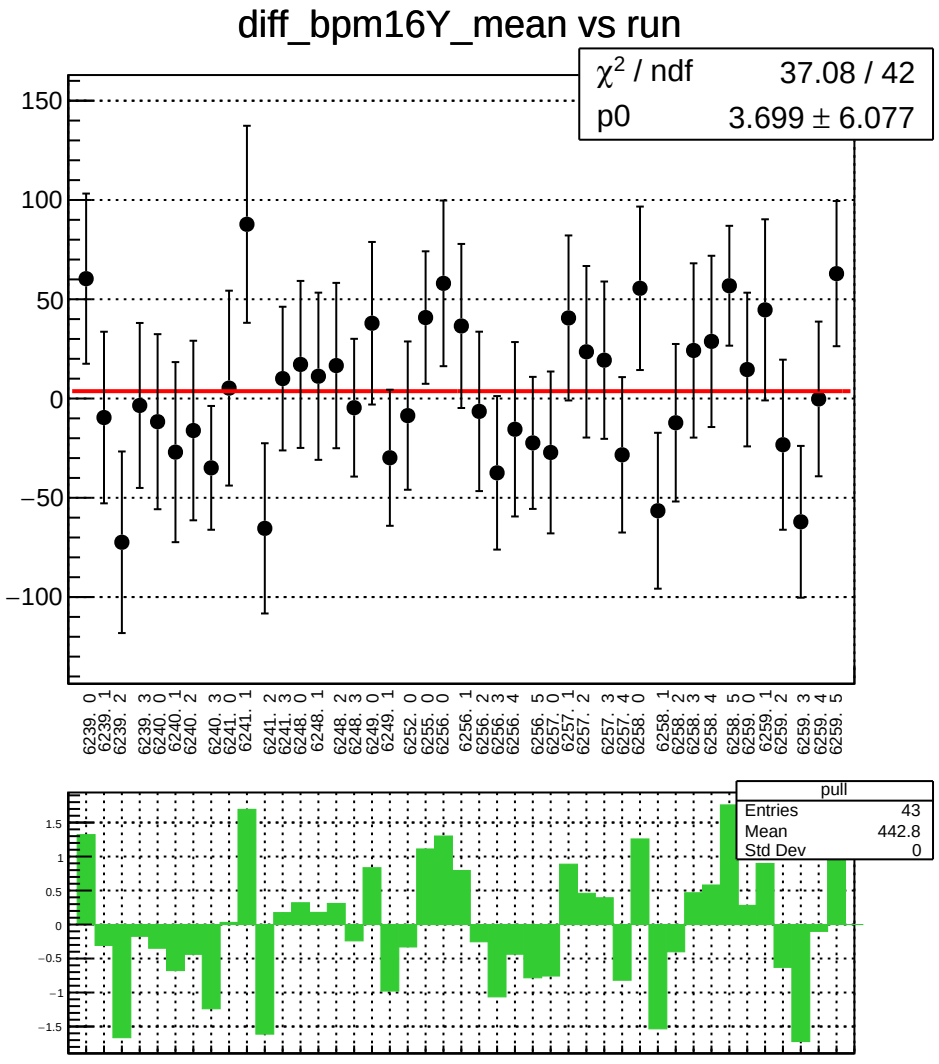

pull1D
Entries 43
Mean −0.001735
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

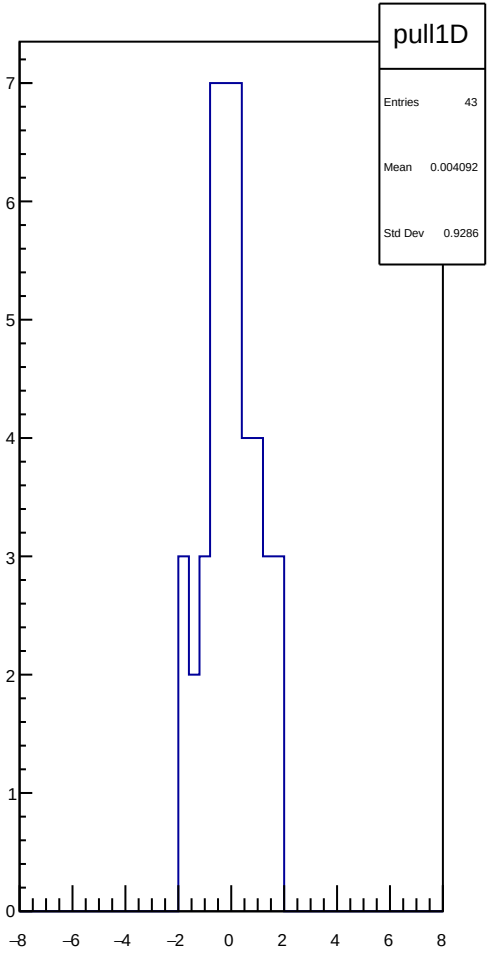

diff_bpm12Y_rms vs run
χ² / ndf 7644 / 42
p0 6064 ± 6.532
7500
7000
6500
6000
5500
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

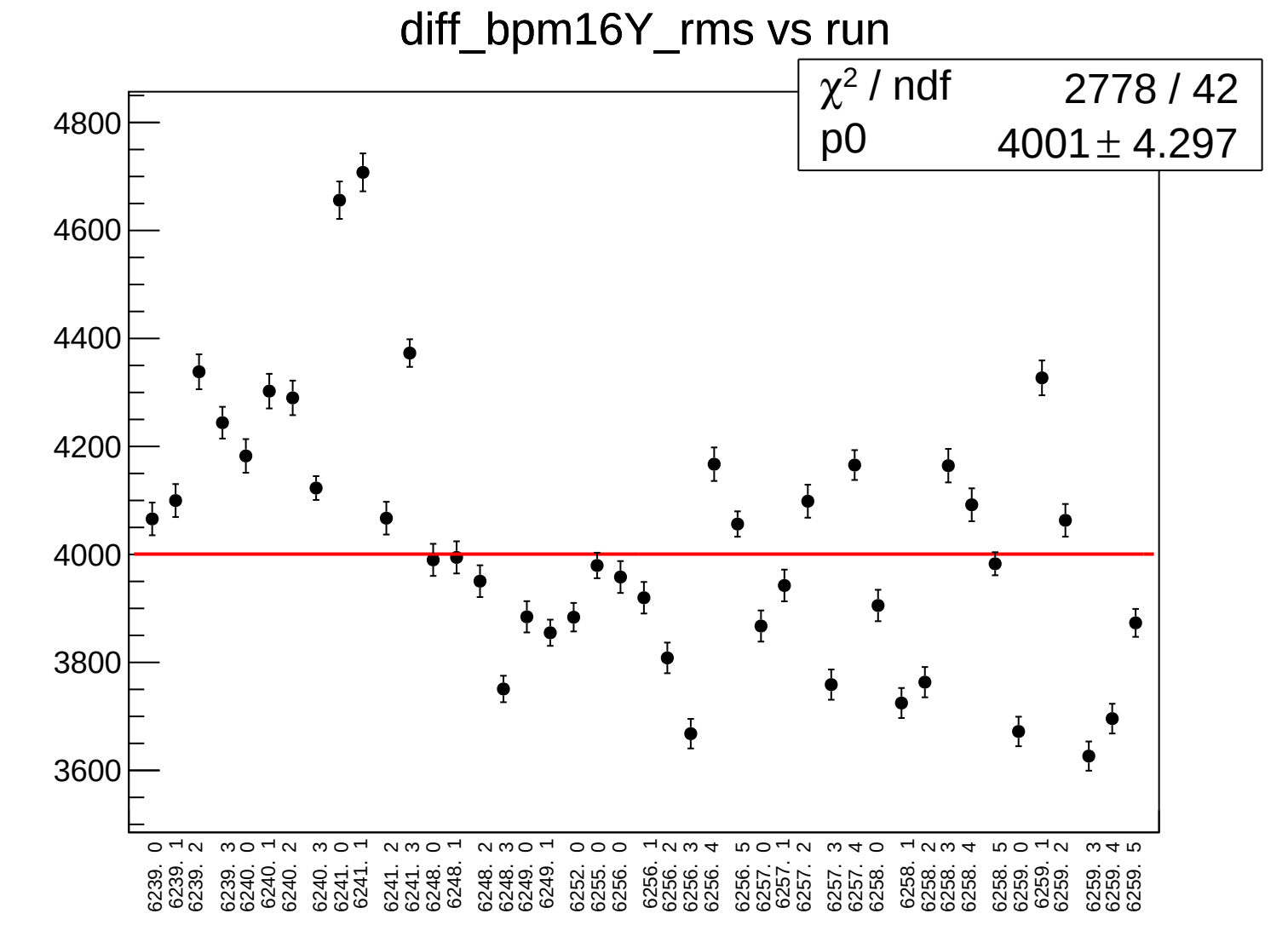

diff_bpm16X_mean vs run
χ² / ndf 40.81 / 42
p0 15.54 ± 18.74
pull
Entries 43
Mean 89.17
Std Dev 0

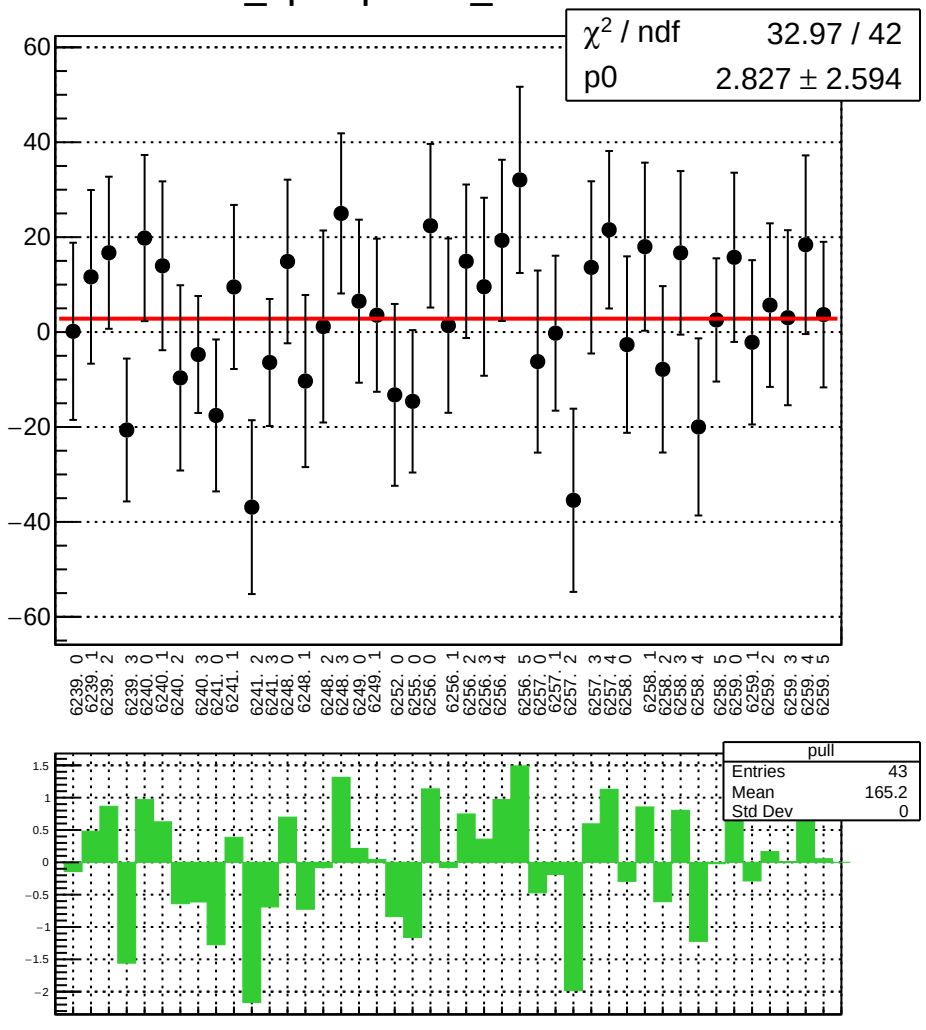

pull1D
Entries 43
Mean 0.04339
Std Dev 0.9733

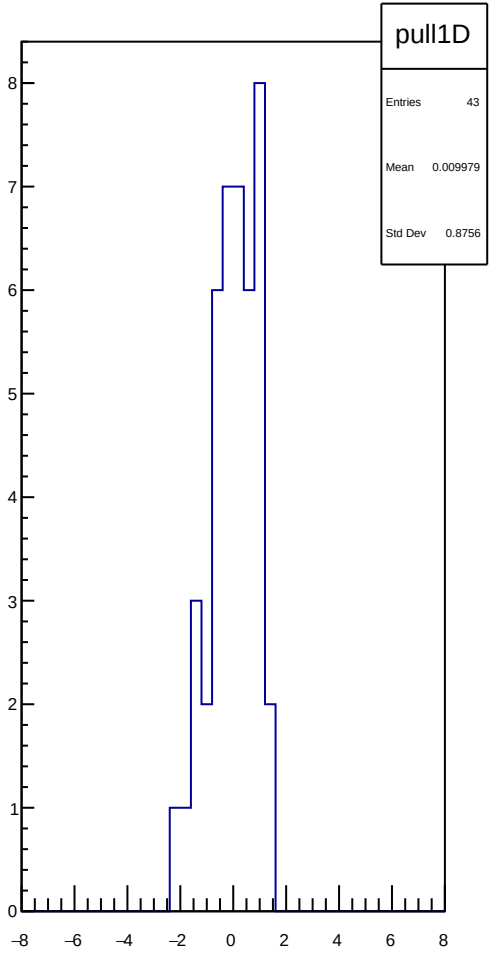

diff_bpm16X_rms vs run
χ² / ndf 4749 / 42
p0 1.232e+04 ± 13.25
16000
15000
14000
13000
12000
11000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

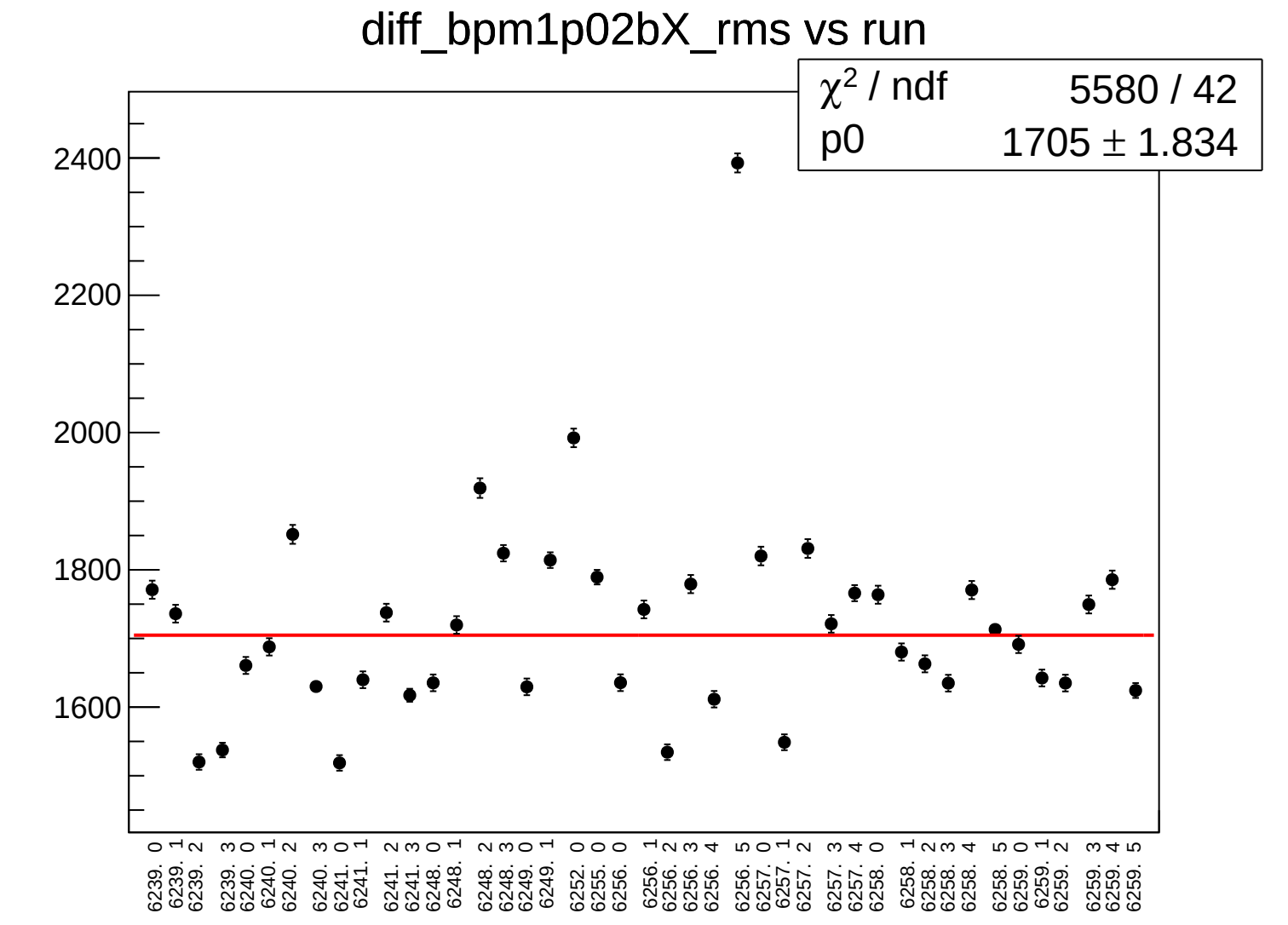

diff_bpm16Y_mean vs run
χ² / ndf 37.08 / 42
p0 3.699 ± 6.077
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 442.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

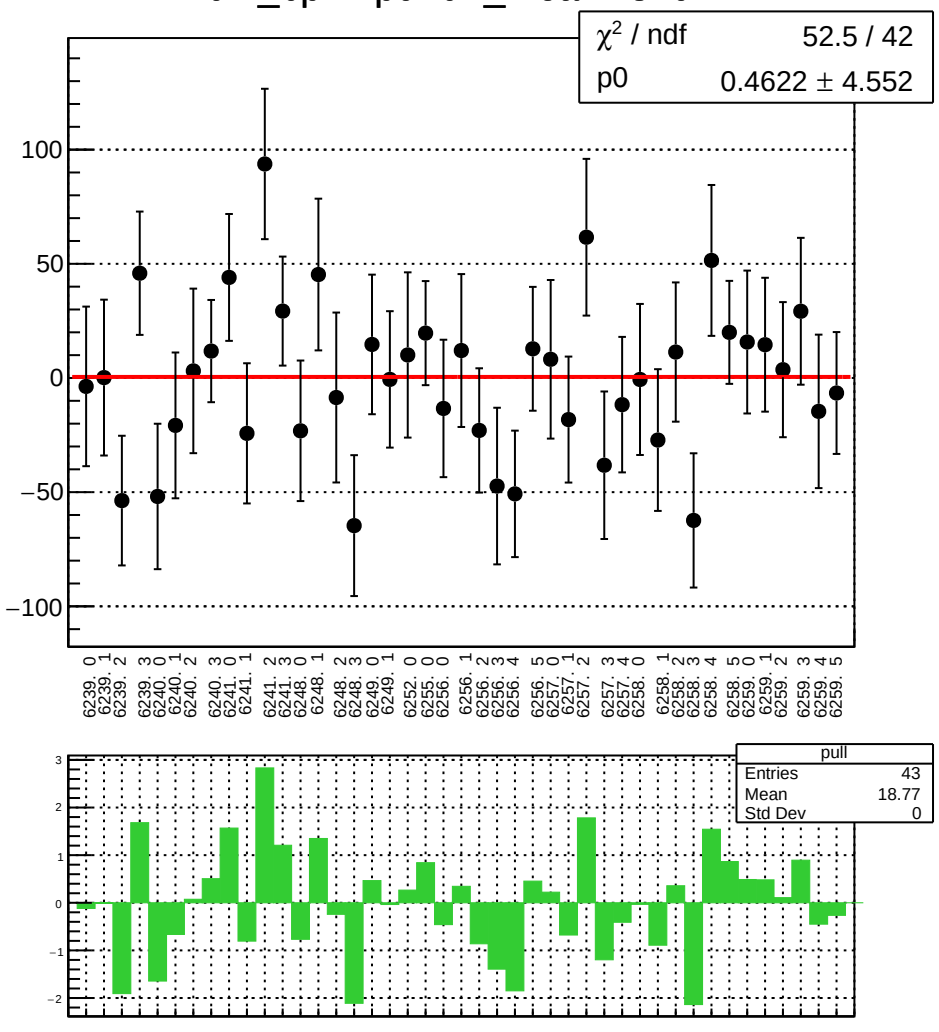

pull1D
Entries 43
Mean 0.004092
Std Dev 0.9286
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

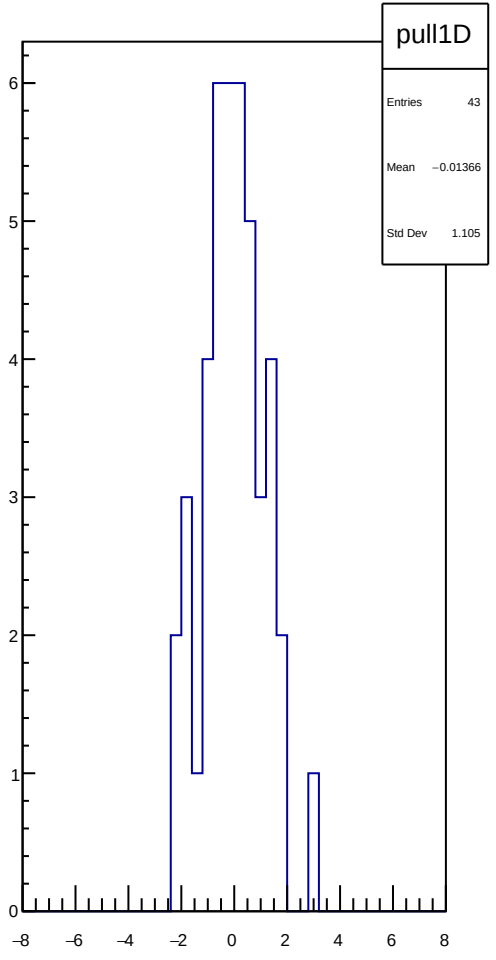

diff_bpm16Y_rms vs run
χ² / ndf 2778 / 42
p0 4001 ± 4.297
4800
4600
4400
4200
4000
3800
3600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

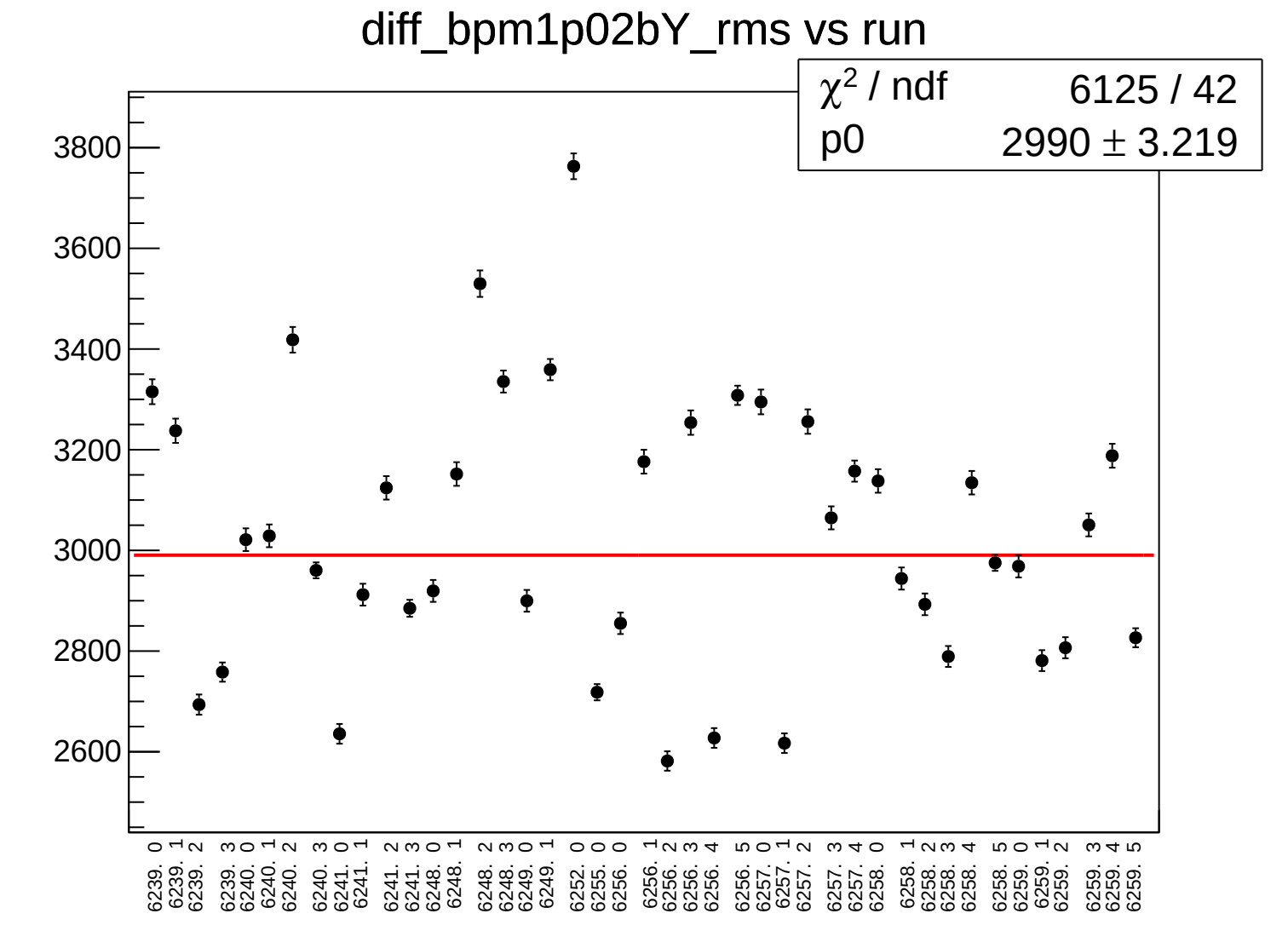

diff_bpm1p02bX_mean vs run
χ² / ndf 32.97 / 42
p0 2.827 ± 2.594
pull
Entries 43
Mean 165.2
Std Dev 0

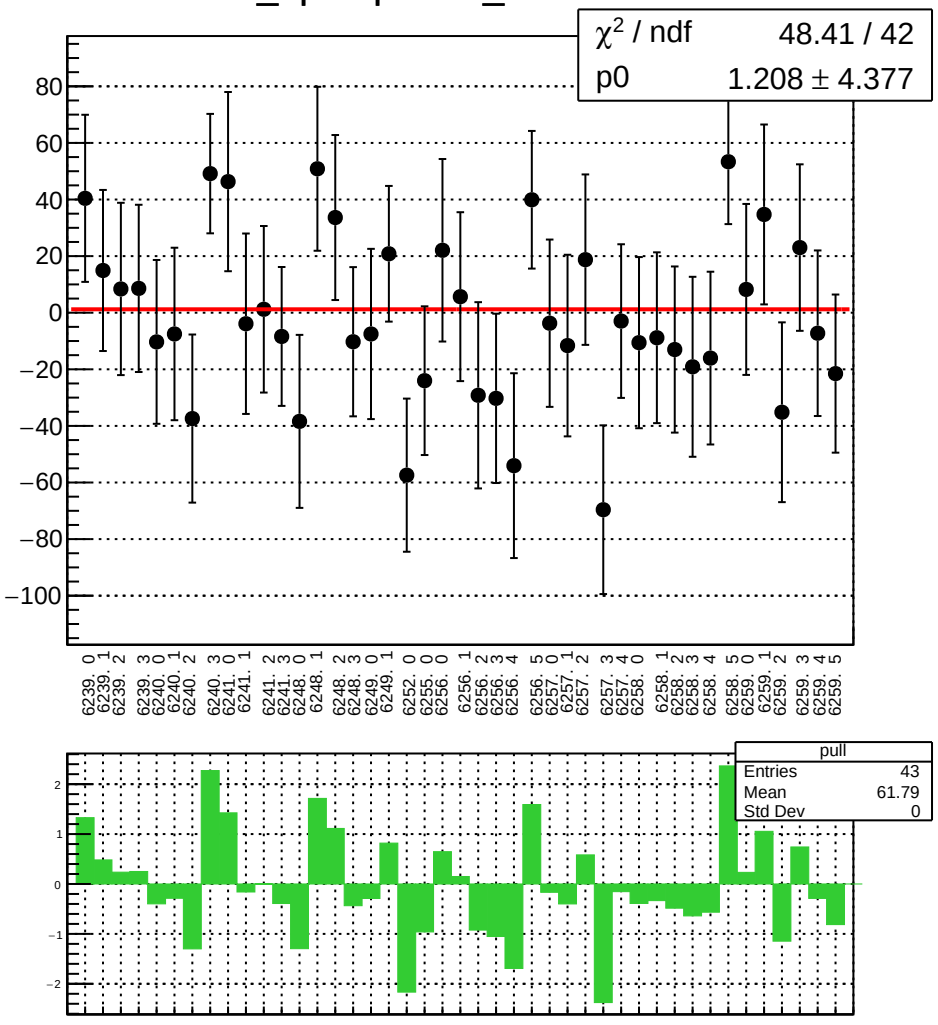

pull1D
Entries 43
Mean 0.009979
Std Dev 0.8756

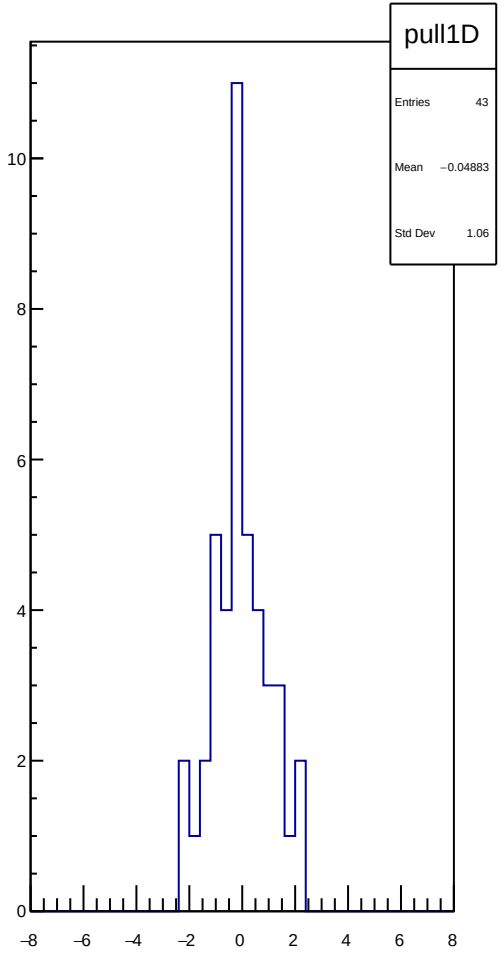

diff_bpm1p02bX_rms vs run
χ² / ndf 5580 / 42
p0 1705 ± 1.834
2400
2200
2000
1800
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

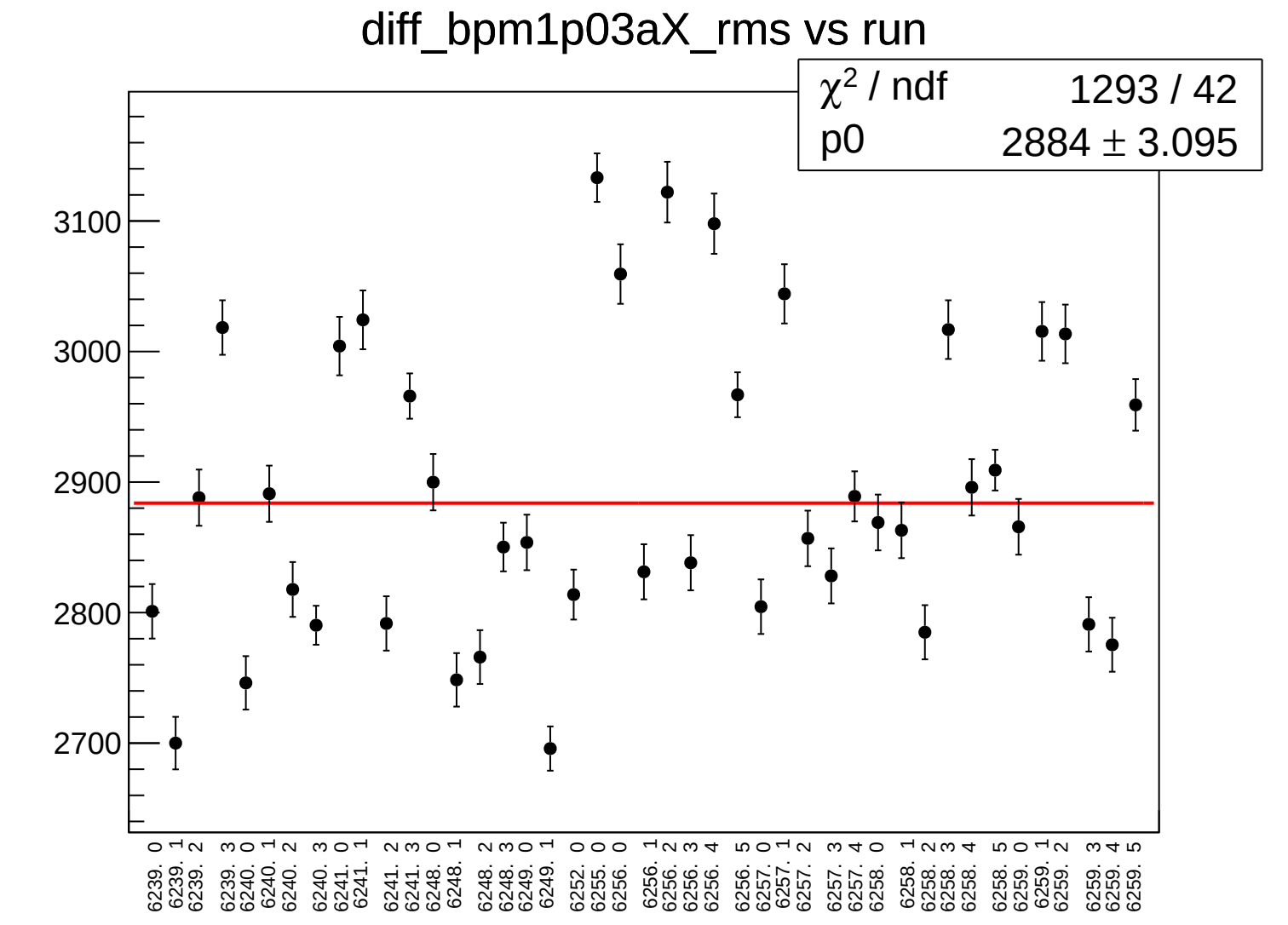

diff_bpm1p02bY_mean vs run
χ² / ndf 52.5 / 42
p0 0.4622 ± 4.552
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.77
Std Dev 0
3
2
1
0
−1
−2

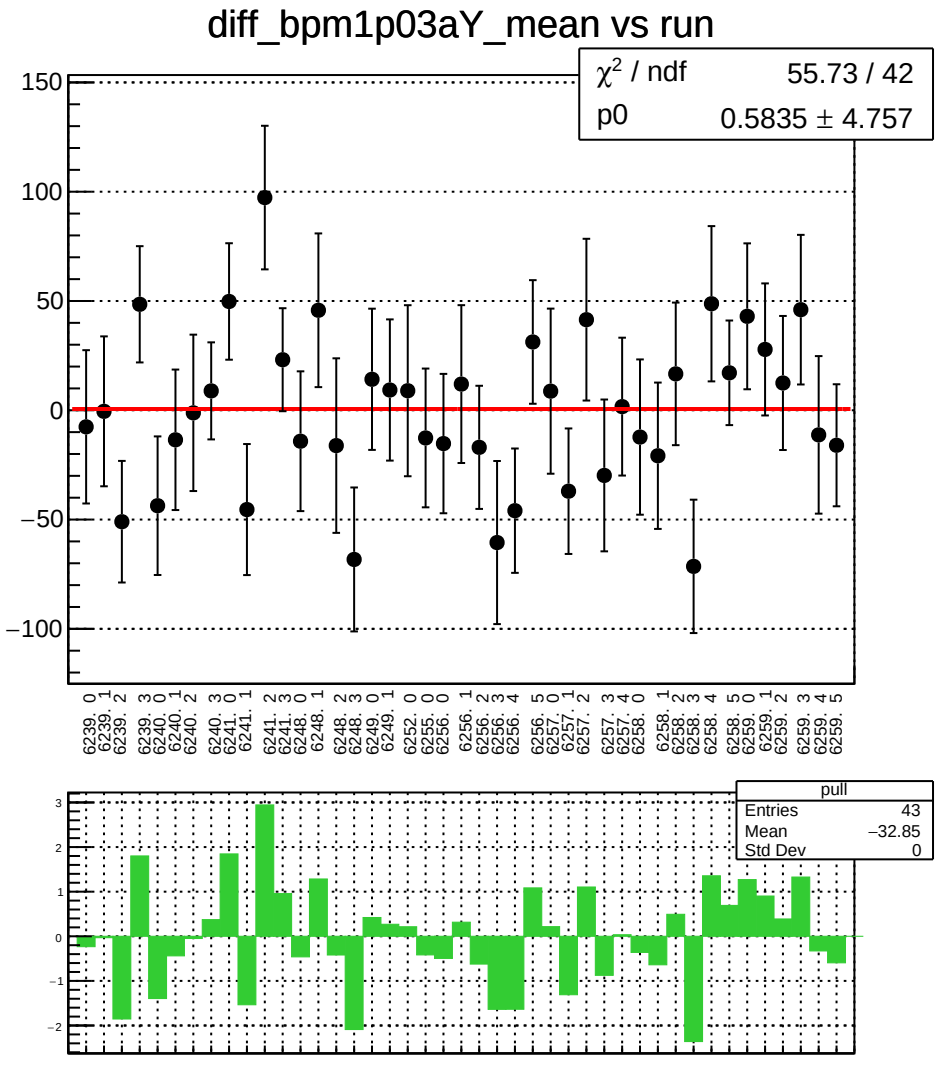

pull1D
Entries 43
Mean −0.01366
Std Dev 1.105
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

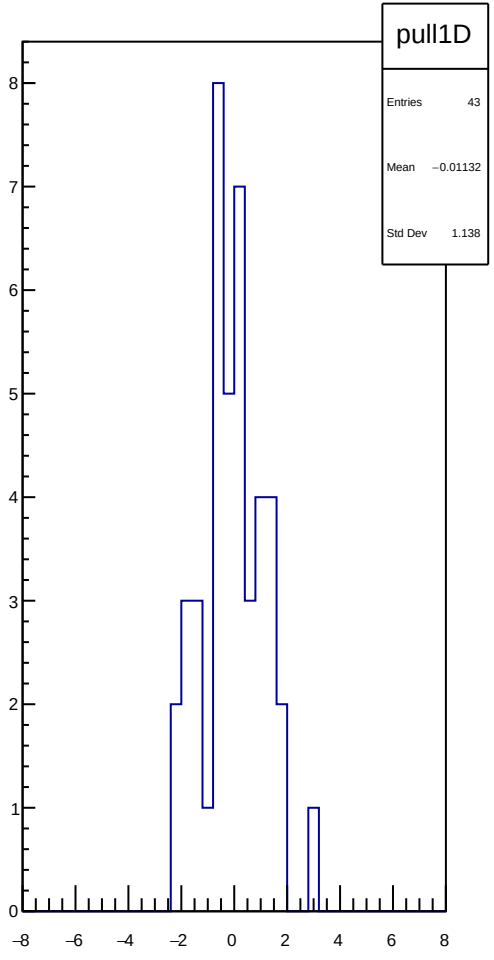

diff_bpm1p02bY_rms vs run
χ² / ndf 6125 / 42
p0 2990 ± 3.219
3800
3600
3400
3200
3000
2800
2600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

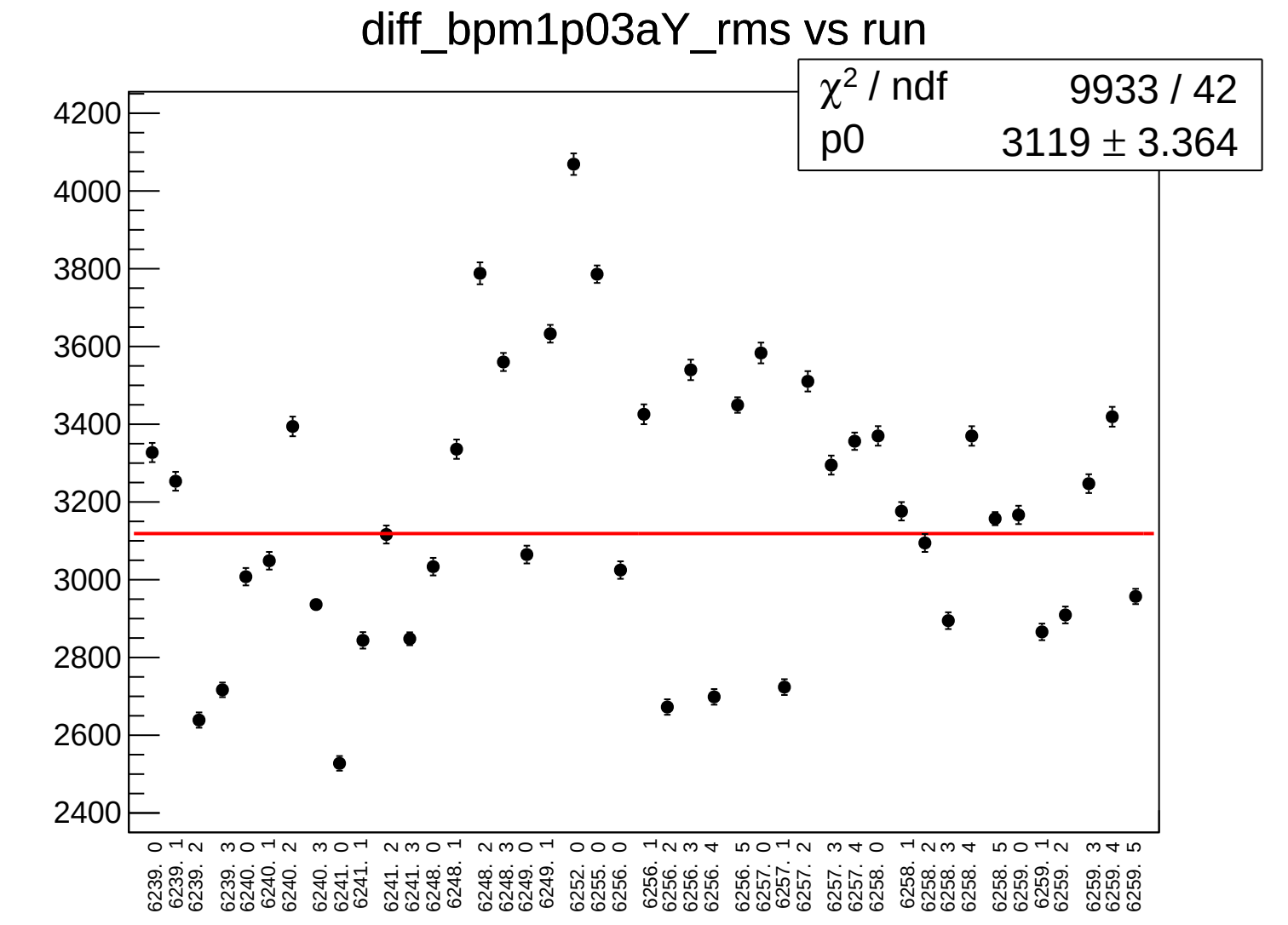

diff_bpm1p03aX_mean vs run
χ² / ndf 48.41 / 42
p0 1.208 ± 4.377
pull
Entries 43
Mean 61.79
Std Dev 0

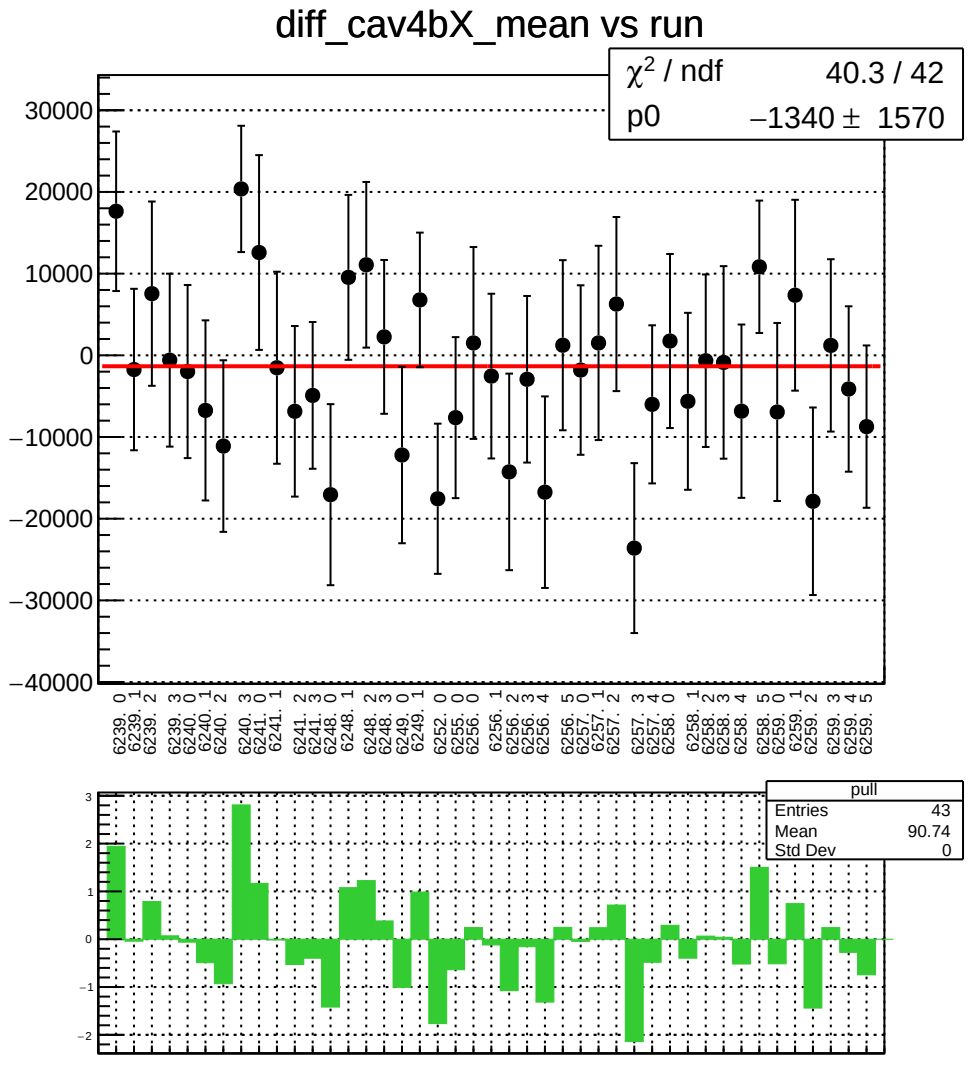

pull1D
Entries 43
Mean −0.04883
Std Dev 1.06

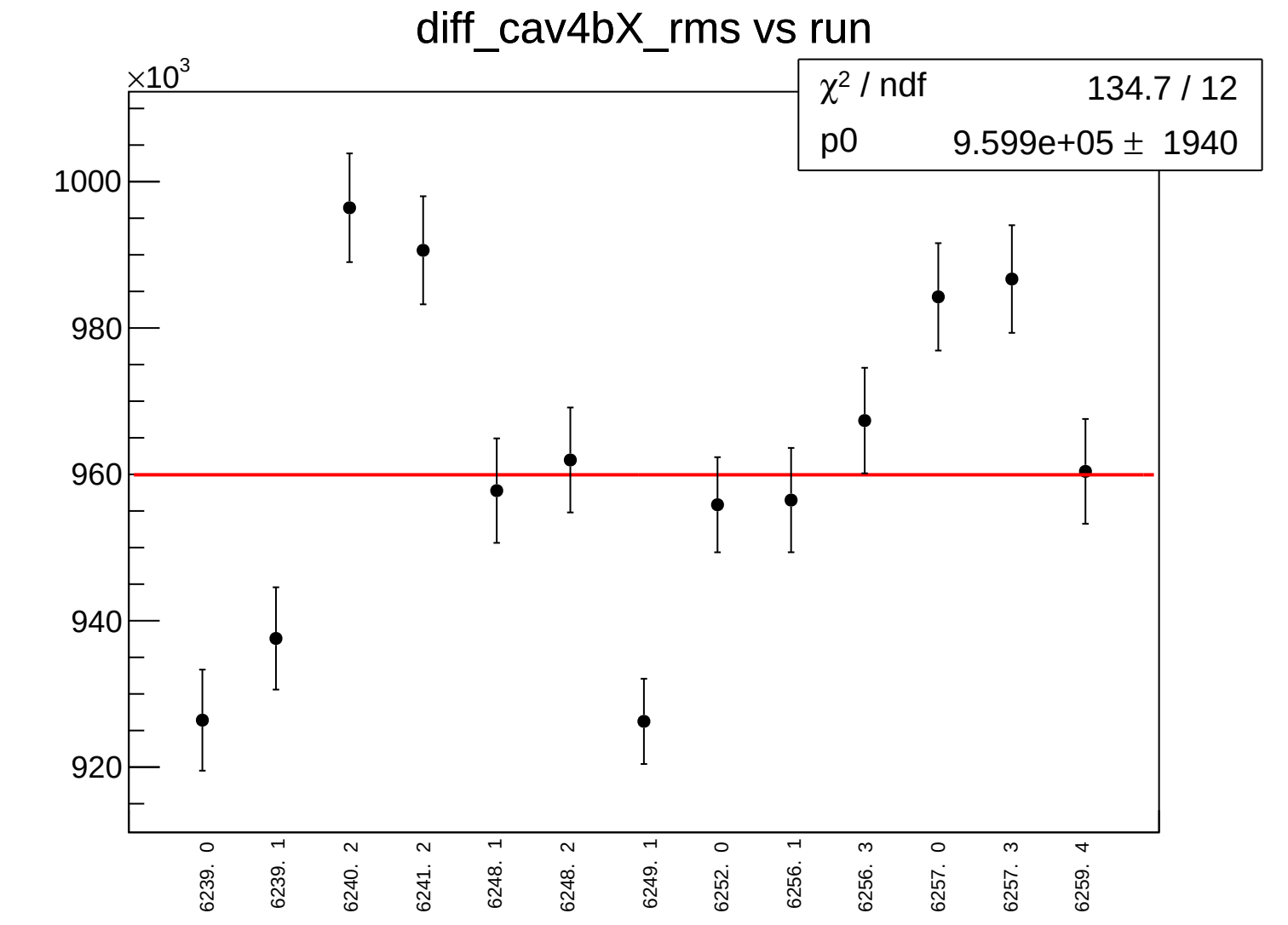

diff_bpm1p03aX_rms vs run
χ² / ndf 1293 / 42
p0 2884 ± 3.095
3100
3000
2900
2800
2700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

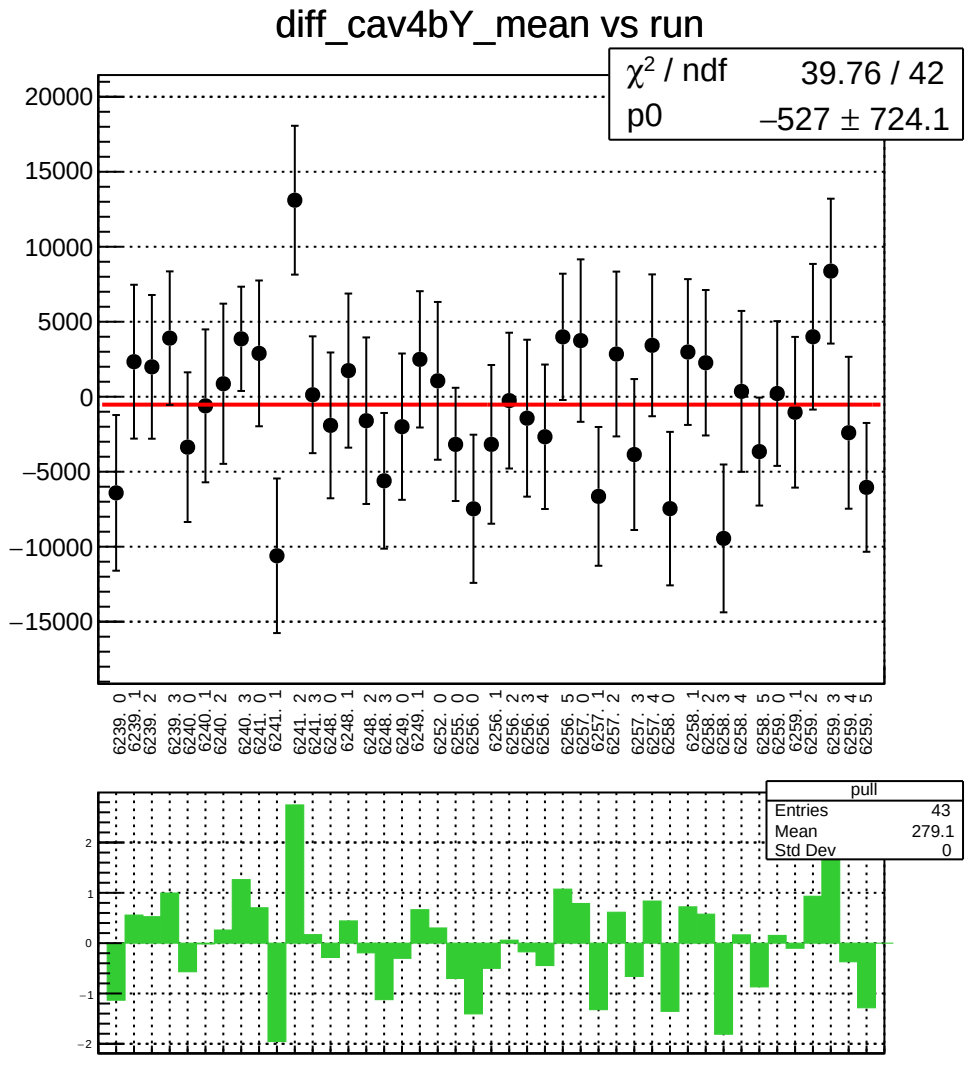

diff_bpm1p03aY_mean vs run
χ² / ndf 55.73 / 42
p0 0.5835 ± 4.757
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −32.85
Std Dev 0
3
2
1
0
−1
−2

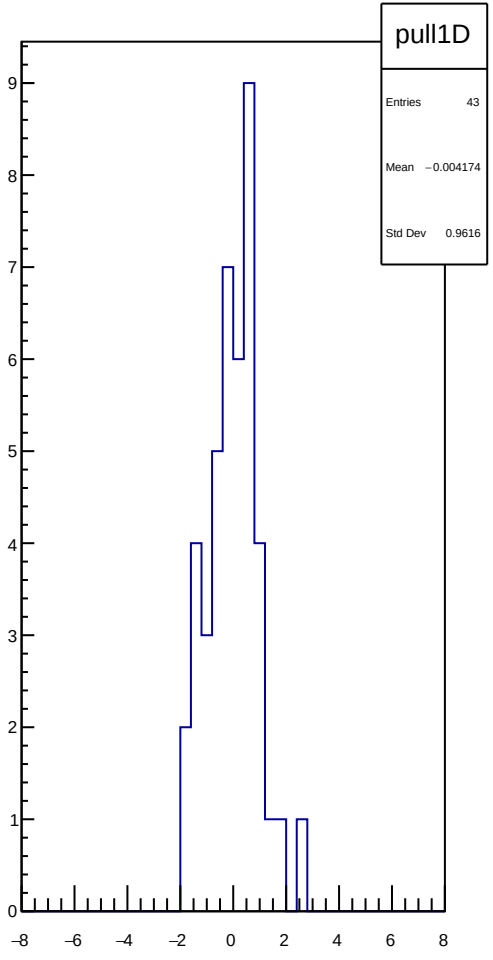

pull1D
Entries 43
Mean −0.01132
Std Dev 1.138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

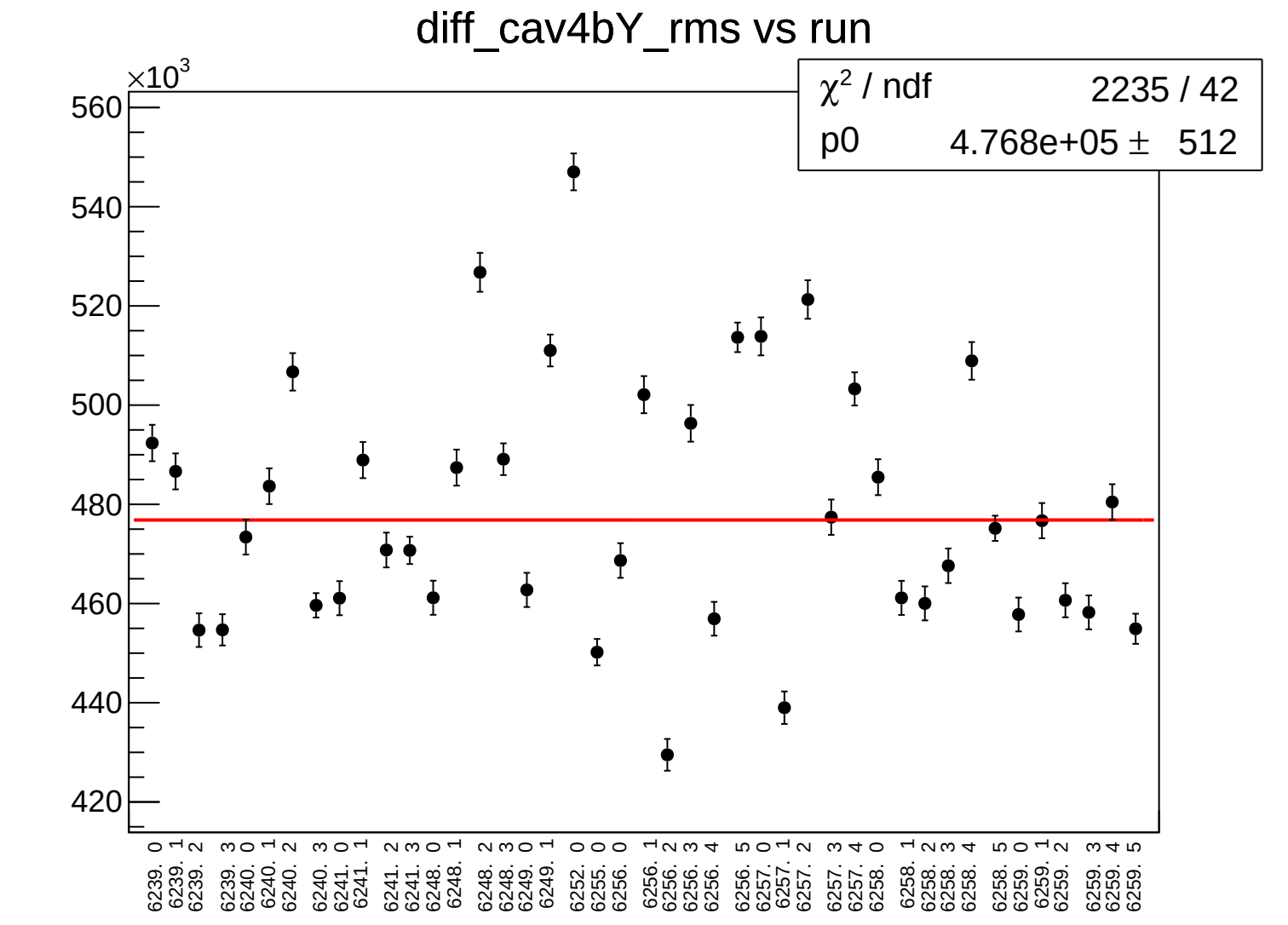

diff_bpm1p03aY_rms vs run
χ² / ndf 9933 / 42
p0 3119 ± 3.364
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

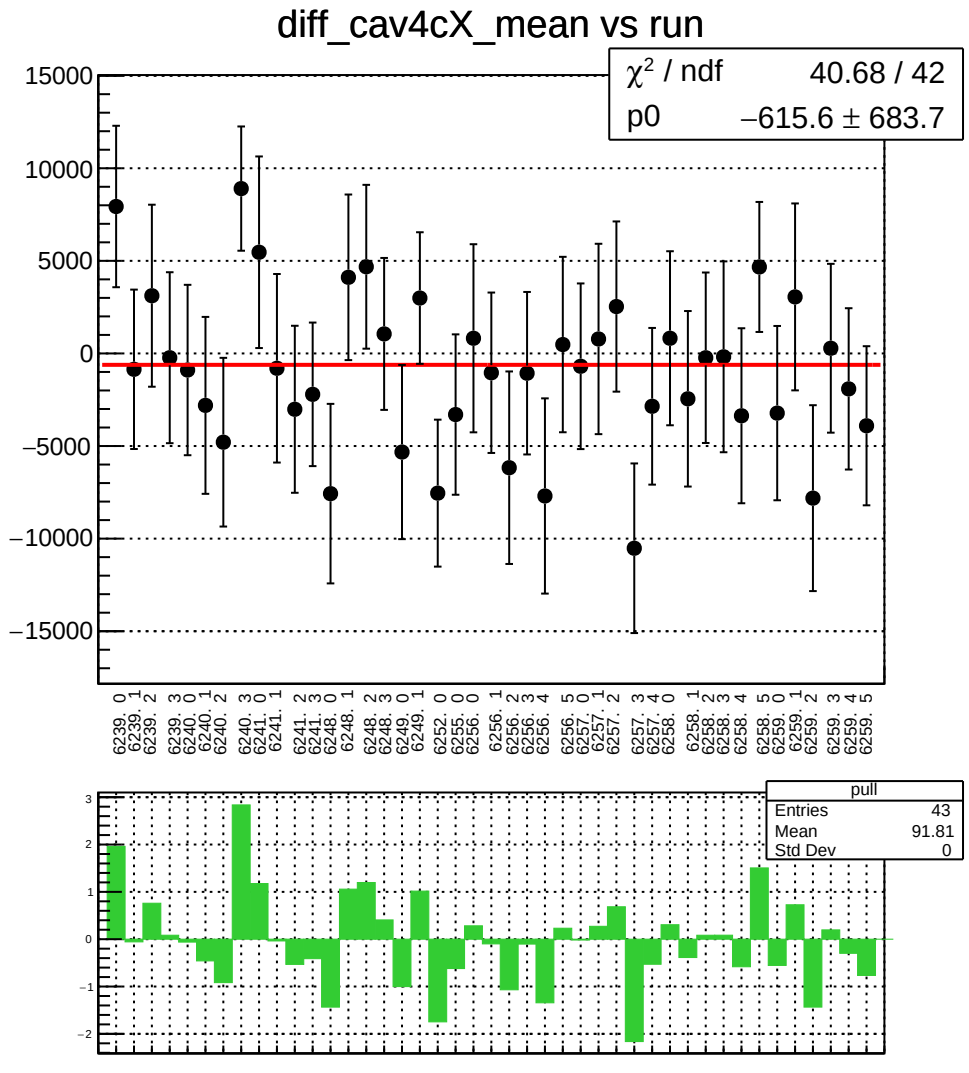

diff_cav4bX_mean vs run
χ² / ndf 40.3 / 42
p0 −1340 ± 1570
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 90.74
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04021
Std Dev 0.9673
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

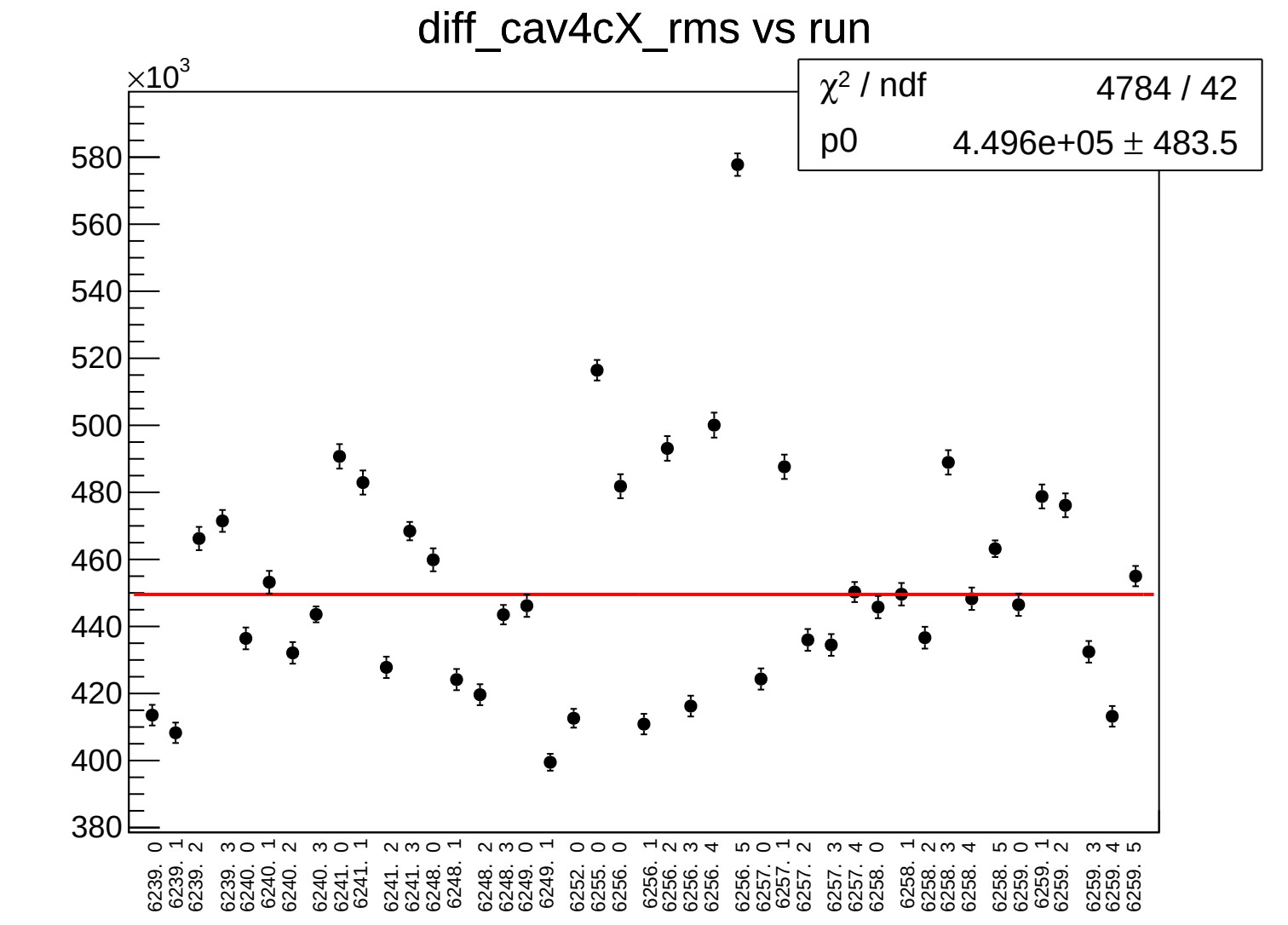

diff_cav4bX_rms vs run
×10^3
χ² / ndf 134.7 / 12
p0 9.599e+05 ± 1940
1000
980
960
940
920
6239. 0
6239. 1
6240. 2
6241. 2
6248. 1
6248. 2
6249. 1
6252. 0
6256. 1
6256. 3
6257. 0
6257. 3
6259. 4

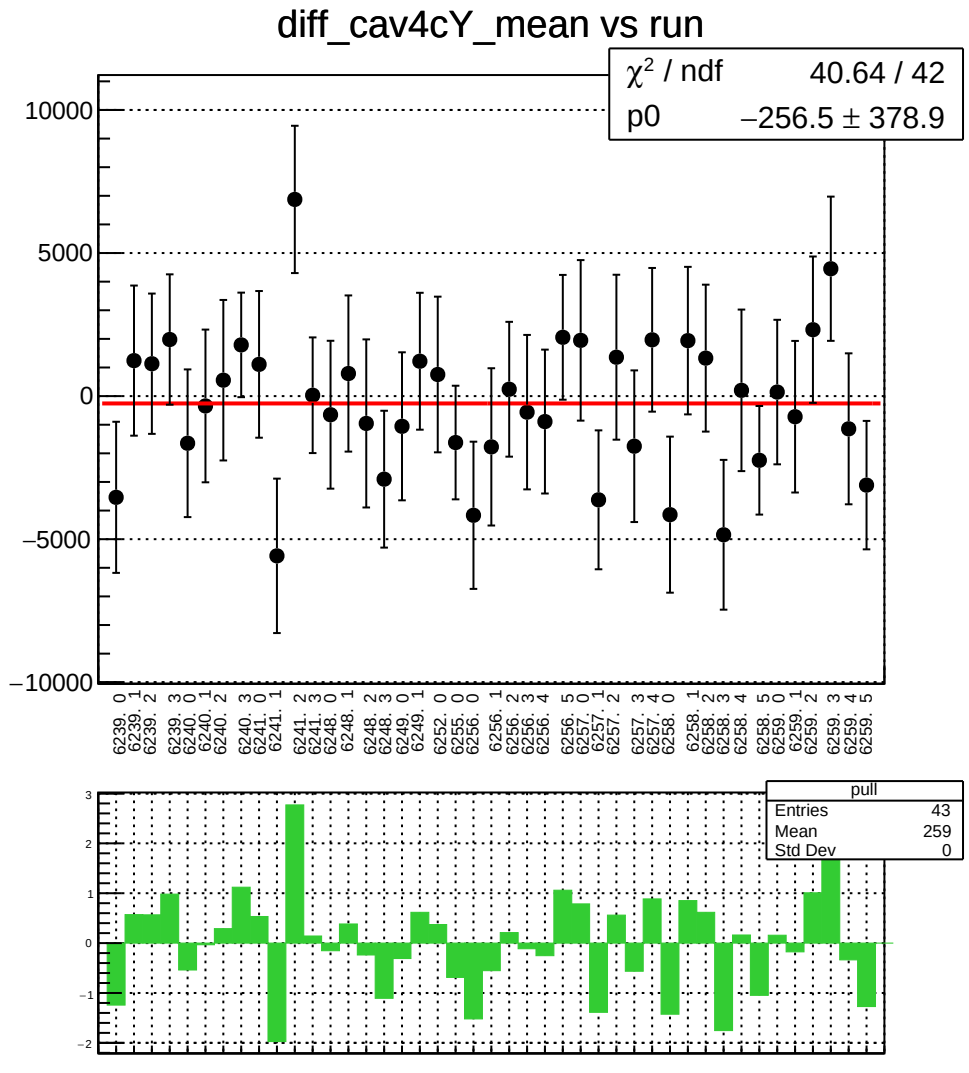

diff_cav4bY_mean vs run
χ² / ndf 39.76 / 42
p0 −527 ± 724.1
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 279.1
Std Dev 0
2
1
0
−1
−2

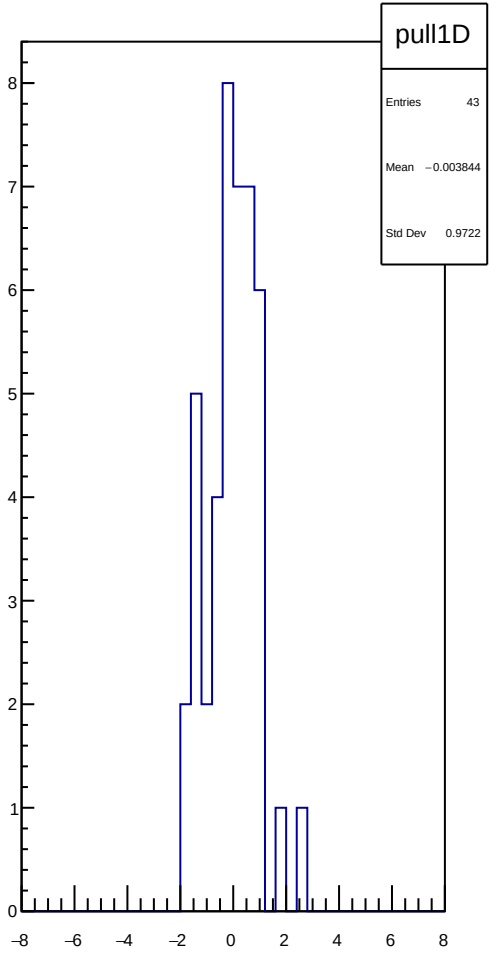

pull1D
Entries 43
Mean −0.004174
Std Dev 0.9616
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

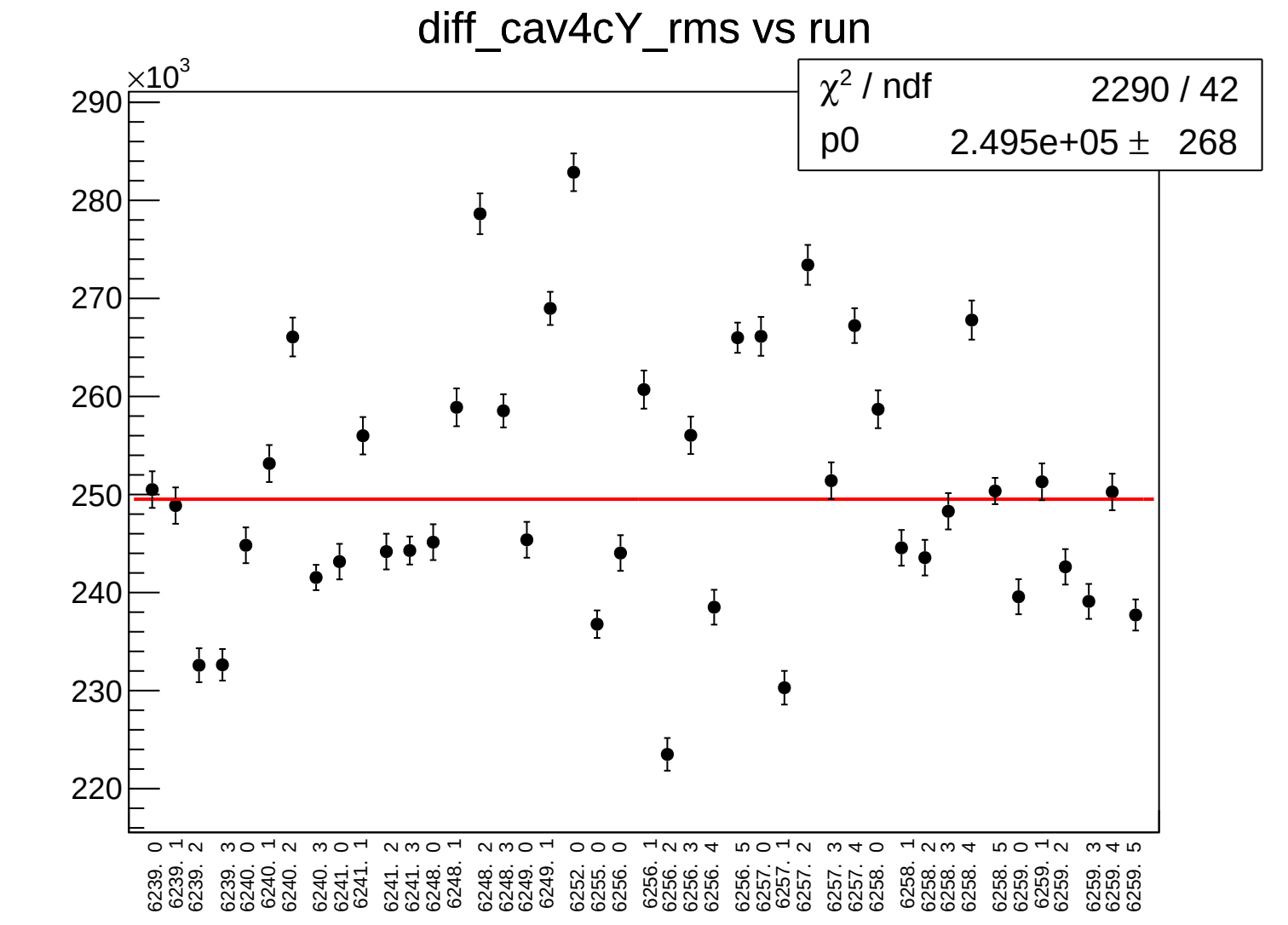

diff_cav4bY_rms vs run
×10^3
560
540
520
500
480
460
440
420
χ² / ndf 2235 / 42
p0 4.768e+05 ± 512
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

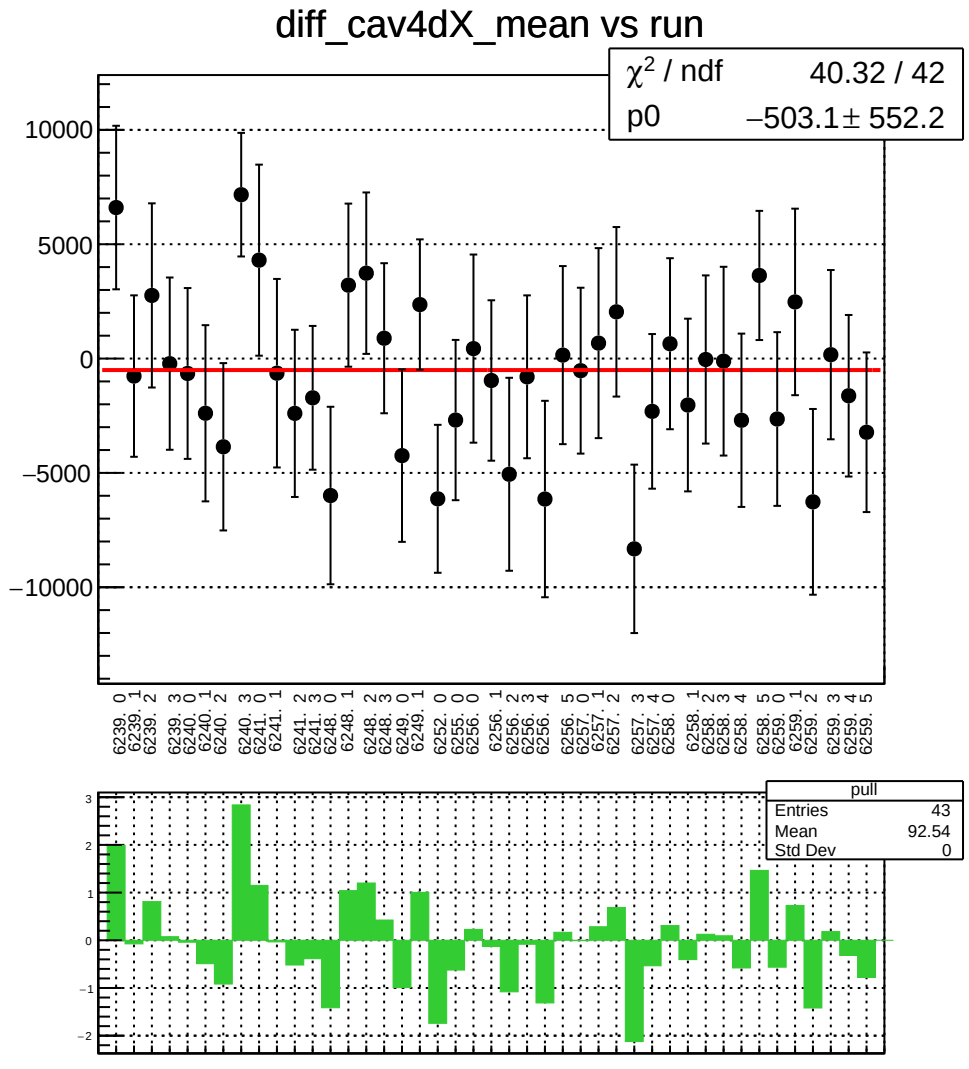

diff_cav4cX_mean vs run
χ² / ndf 40.68 / 42
p0 −615.6 ± 683.7
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 91.81
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04072
Std Dev 0.9718
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

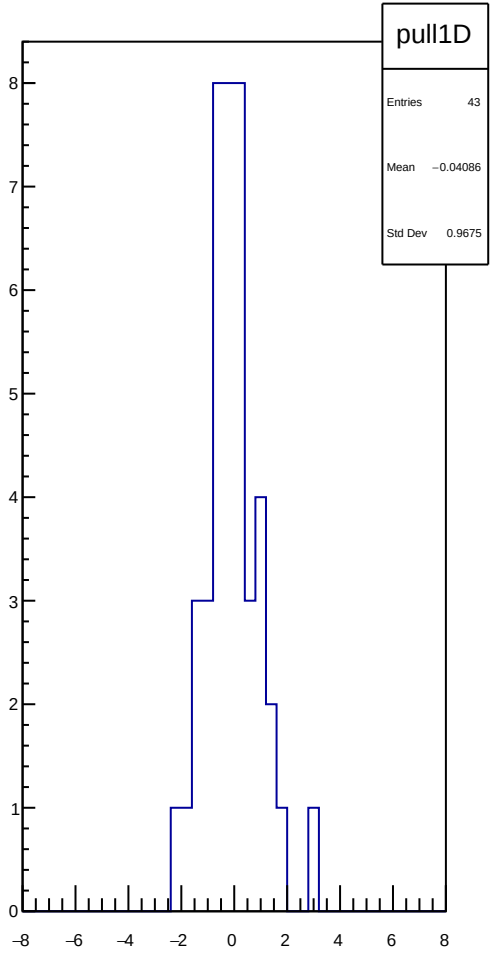

diff_cav4cX_rms vs run
×10^3
χ² / ndf 4784 / 42
p0 4.496e+05 ± 483.5
580
560
540
520
500
480
460
440
420
400
380
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

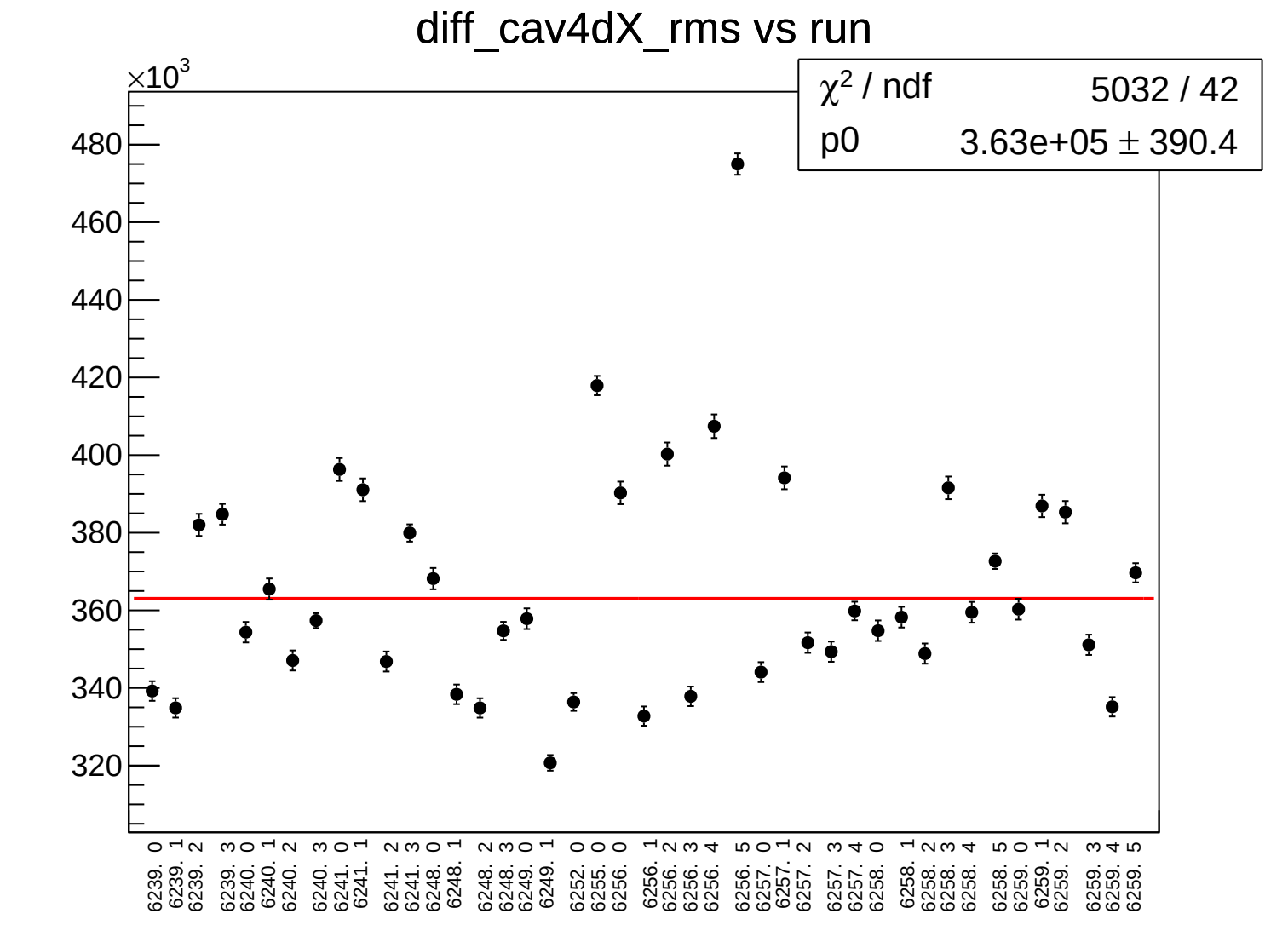

diff_cav4cY_mean vs run
χ² / ndf 40.64 / 42
p0 −256.5 ± 378.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 259
Std Dev 0
3
2
1
0
−1
−2

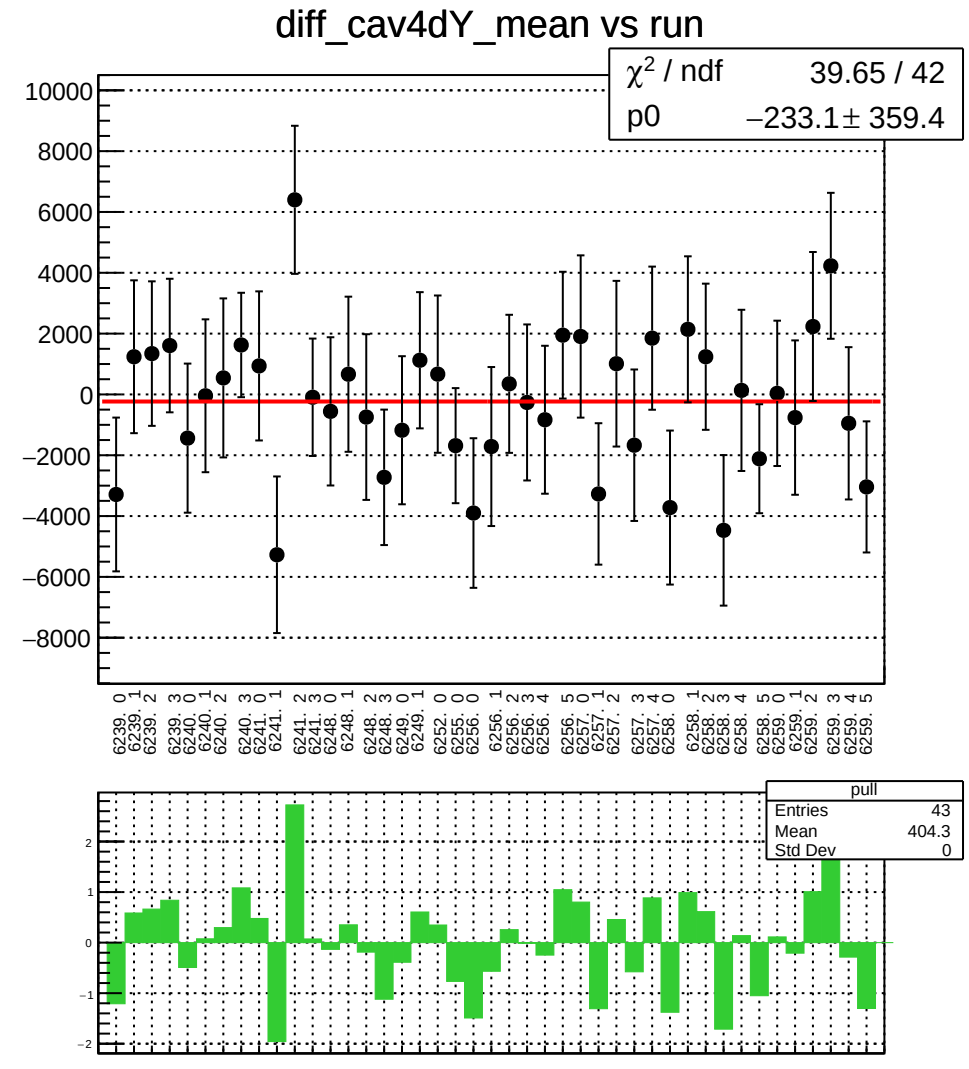

pull1D
Entries 43
Mean −0.003844
Std Dev 0.9722
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

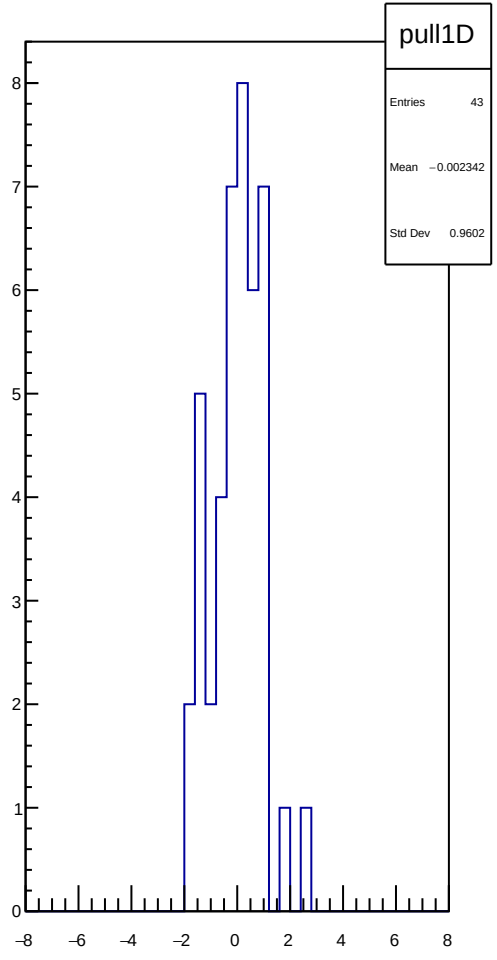

diff_cav4cY_rms vs run
×10^3
290
280
270
260
250
240
230
220
χ² / ndf 2290 / 42
p0 2.495e+05 ± 268
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

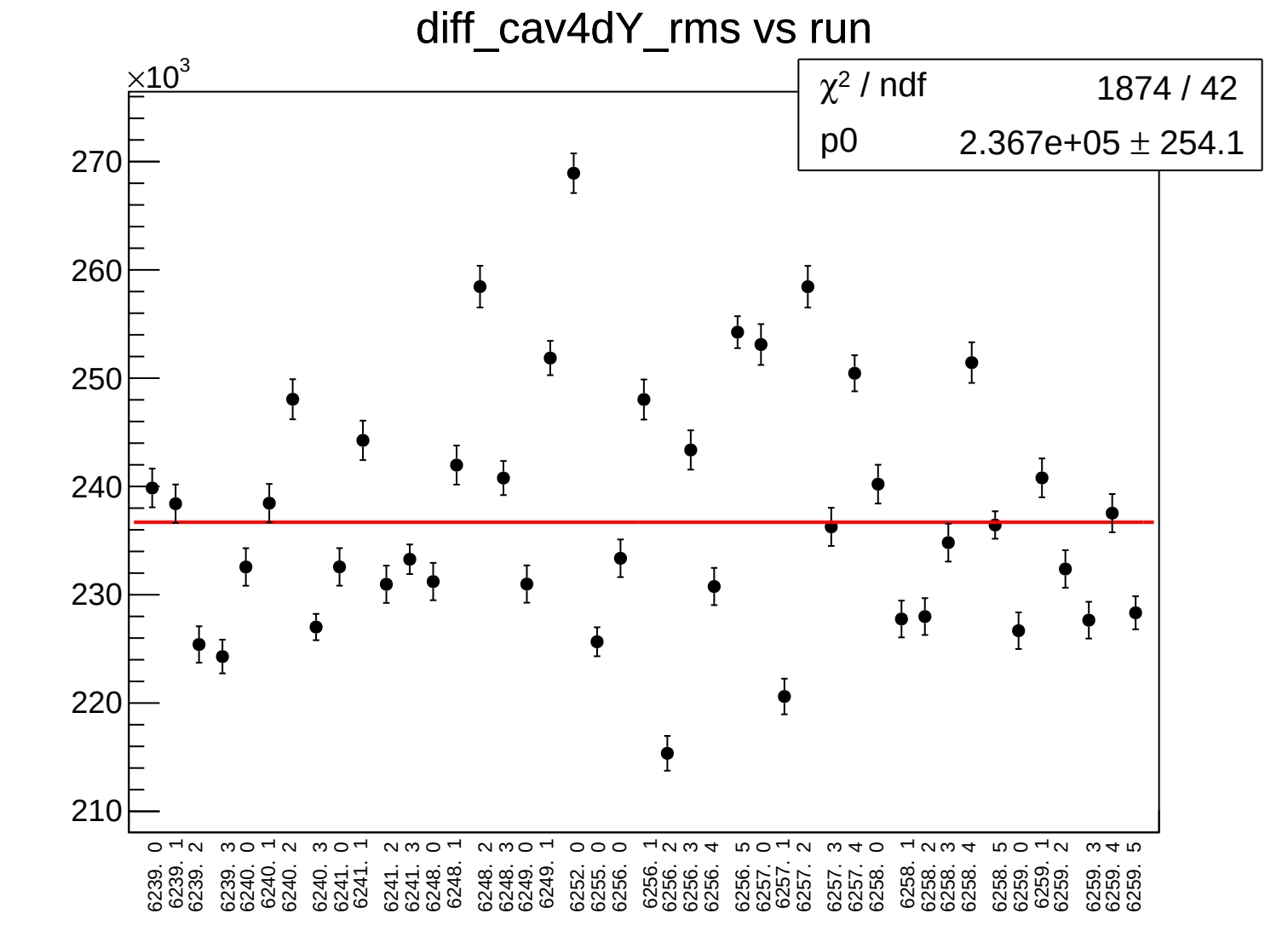

diff_cav4dX_mean vs run
χ² / ndf 40.32 / 42
p0 −503.1 ± 552.2
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 92.54
Std Dev 0
3
2
1
0
−1
−2

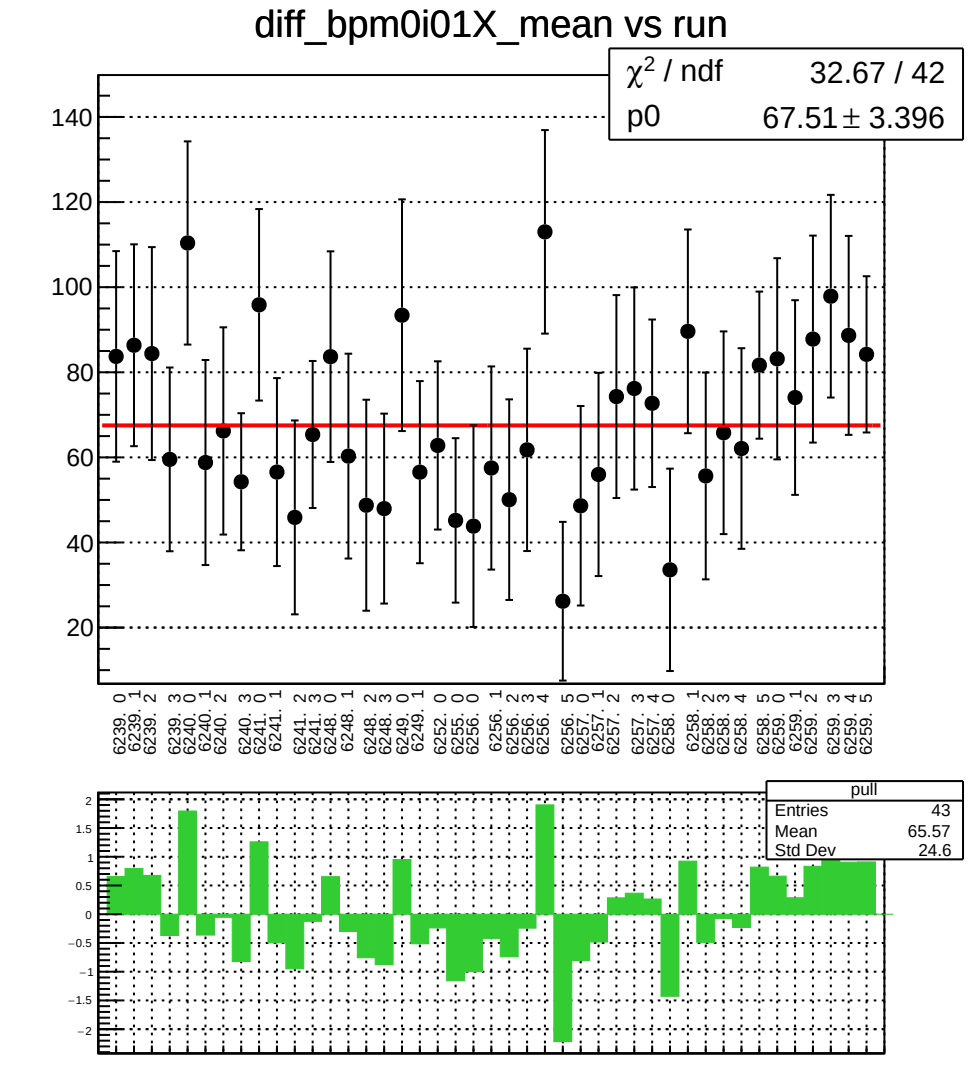

pull1D
Entries 43
Mean −0.04086
Std Dev 0.9675
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

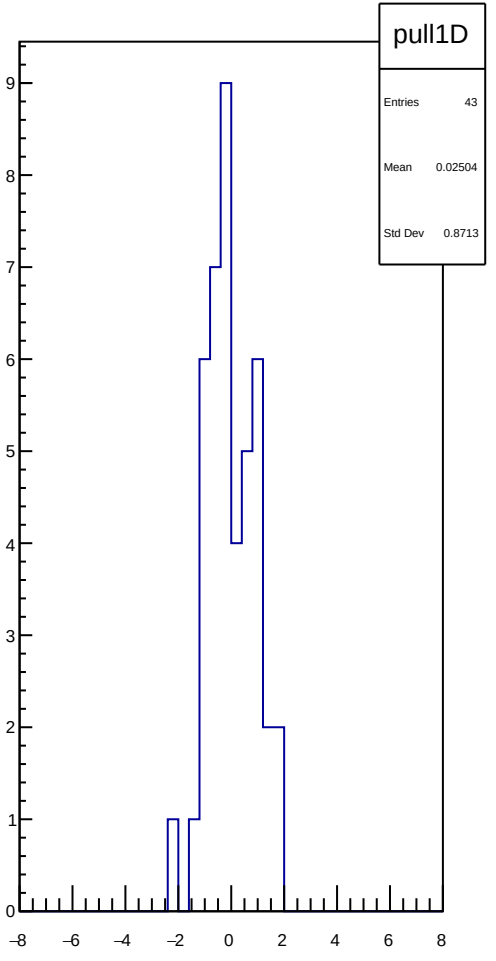

diff_cav4dX_rms vs run
×10^3
χ^2 / ndf 5032 / 42
p0 3.63e+05 ± 390.4
480
460
440
420
400
380
360
340
320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

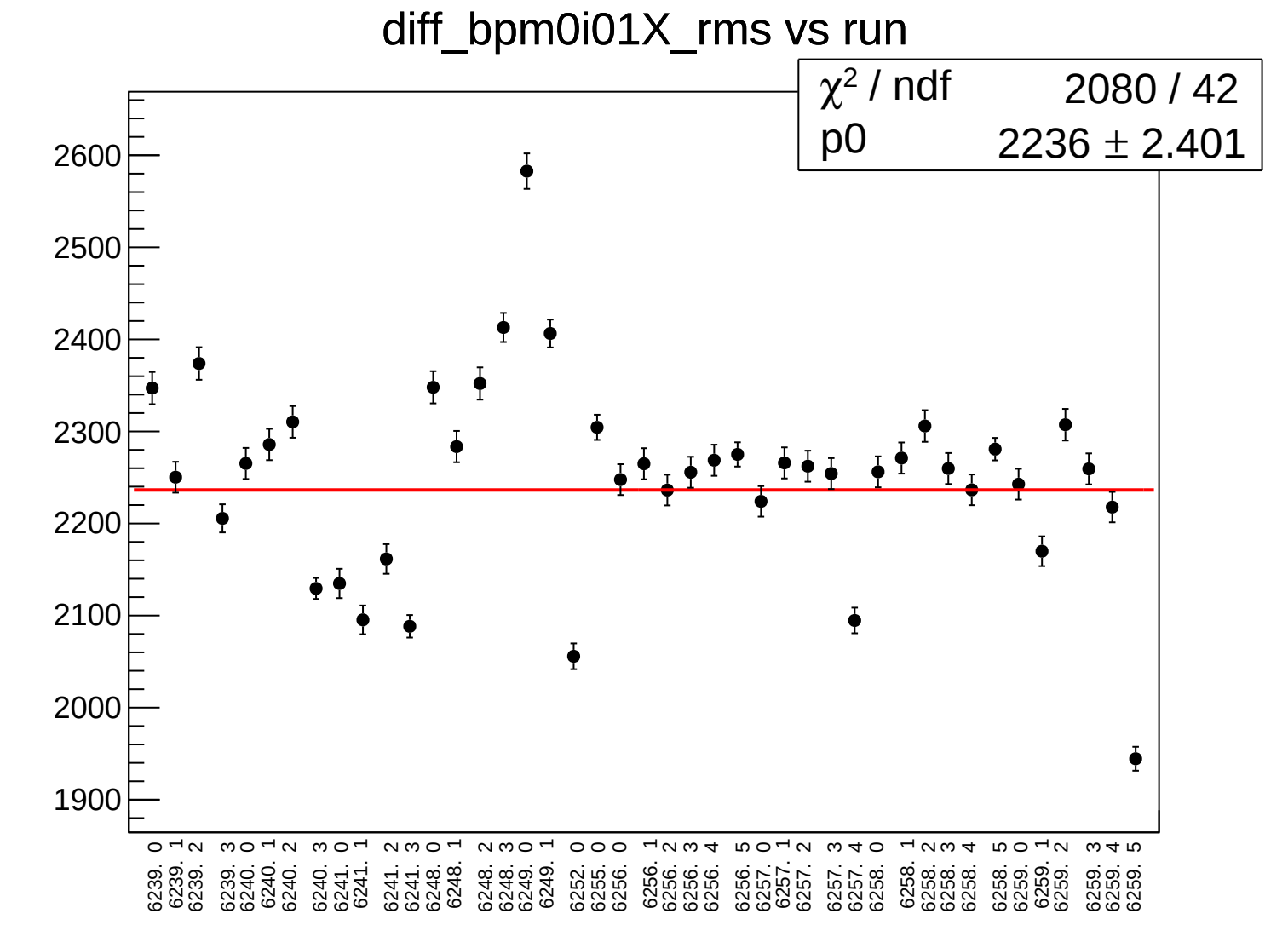

diff_cav4dY_mean vs run
χ² / ndf 39.65 / 42
p0 −233.1± 359.4
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 404.3
Std Dev 0
2
1
0
−1
−2

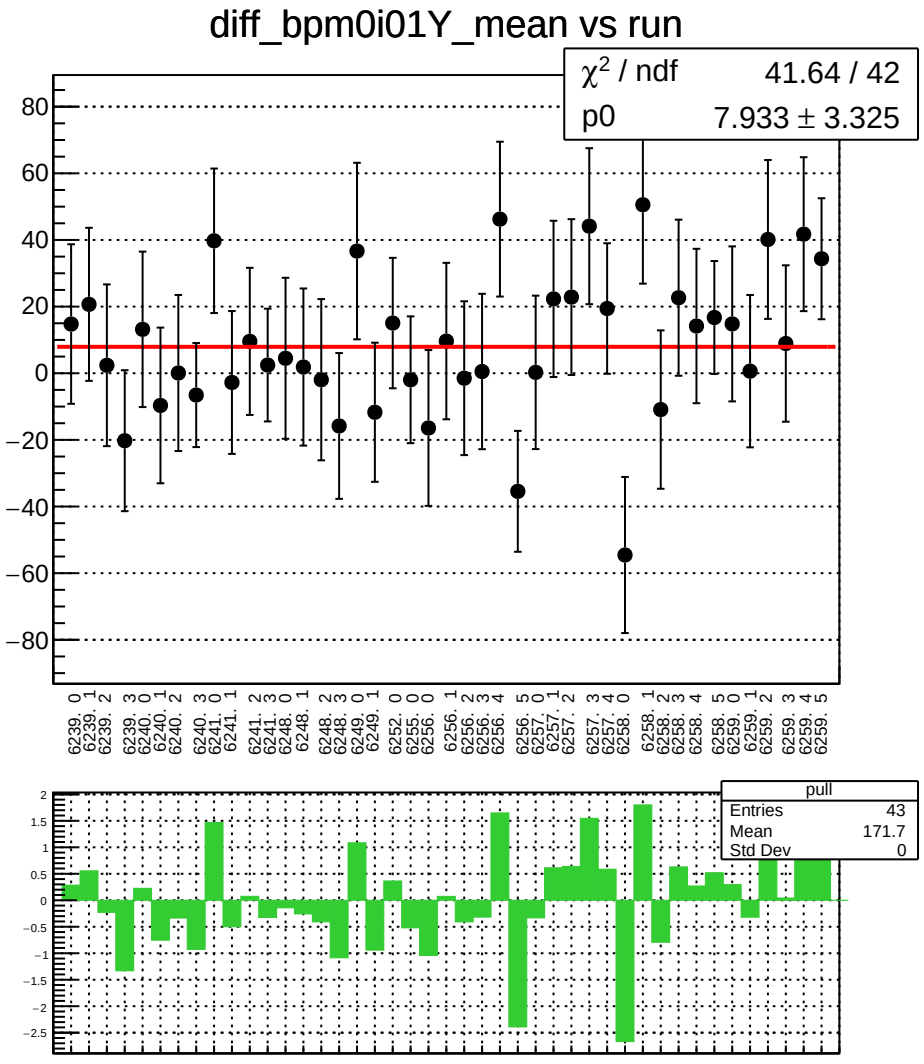

pull1D
Entries 43
Mean −0.002342
Std Dev 0.9602
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

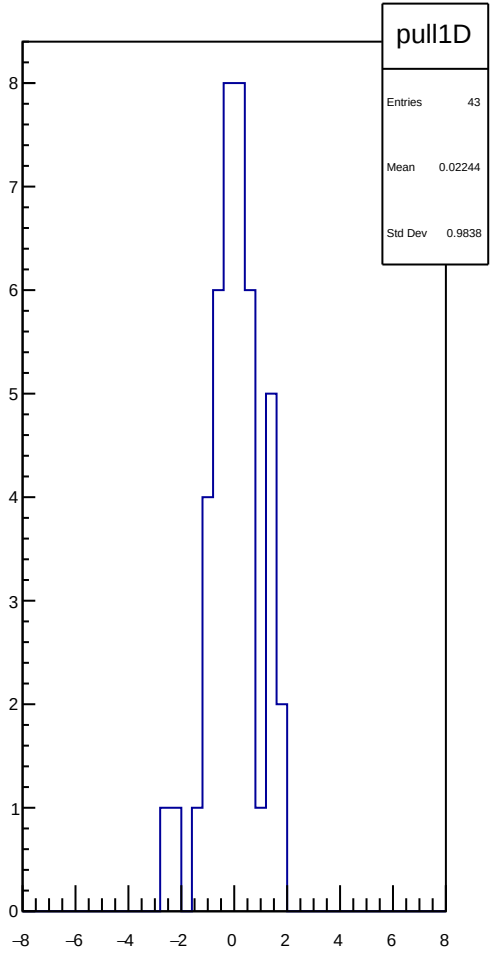

diff_cav4dY_rms vs run
×10^3
270
260
250
240
230
220
210
χ² / ndf 1874 / 42
p0 2.367e+05 ± 254.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

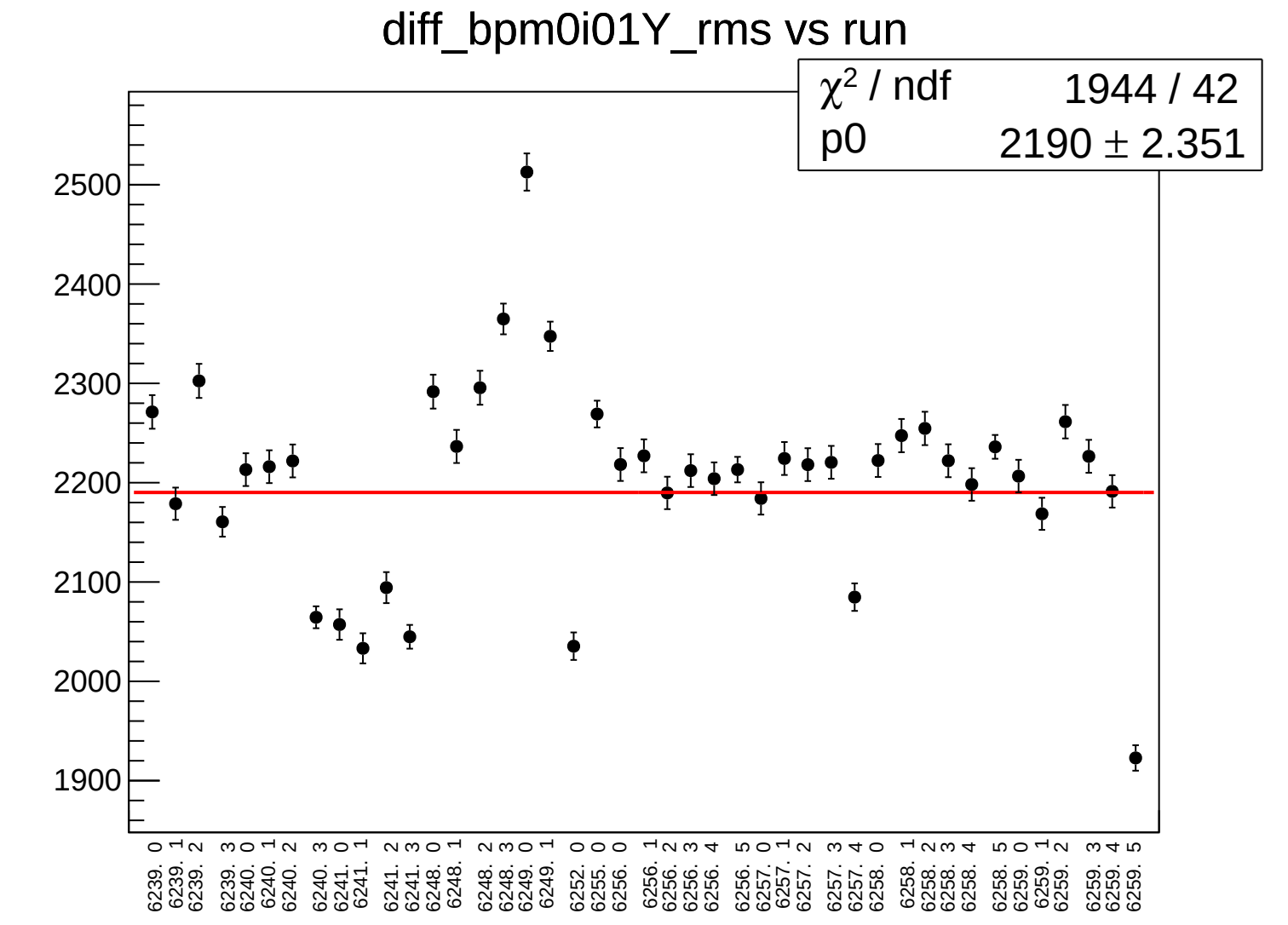

diff_bpm0i01X_mean vs run
χ² / ndf 32.67 / 42
p0 67.51 ± 3.396
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.57
Std Dev 24.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

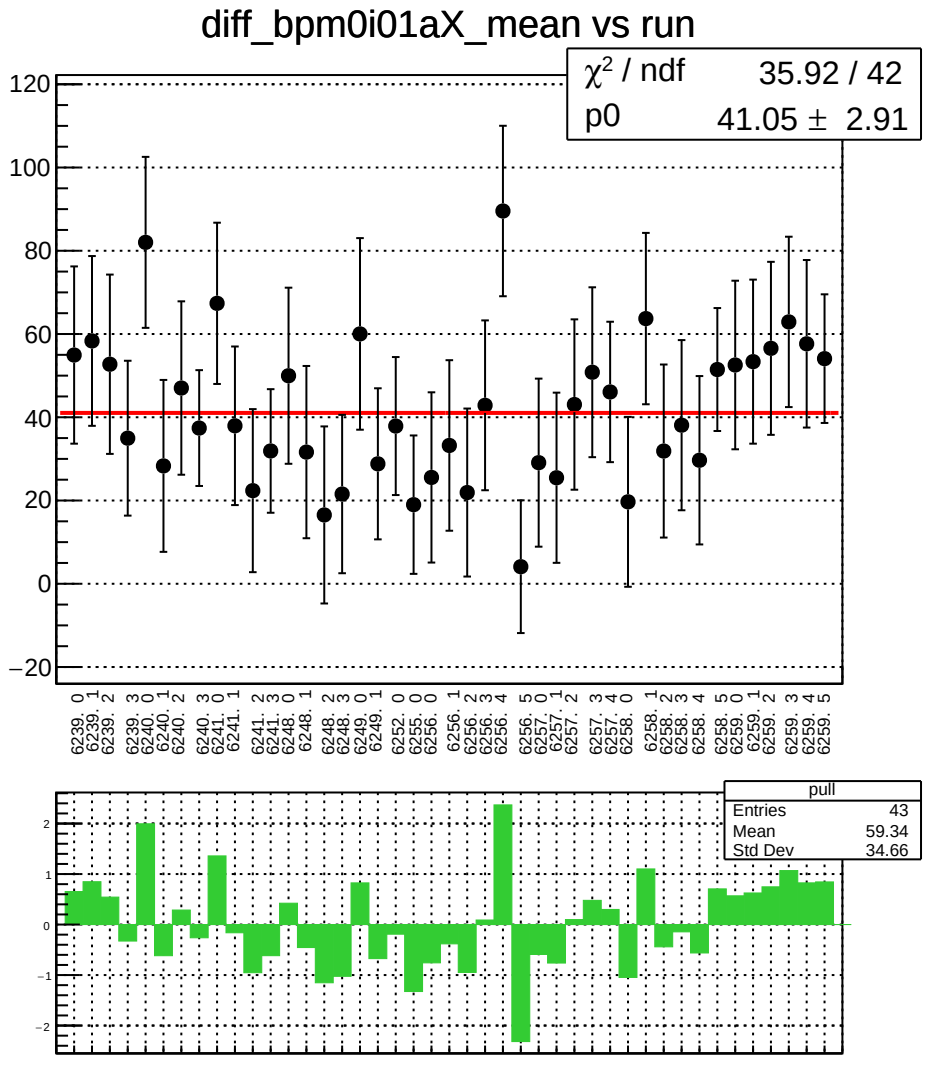

pull1D
Entries 43
Mean 0.02504
Std Dev 0.8713
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

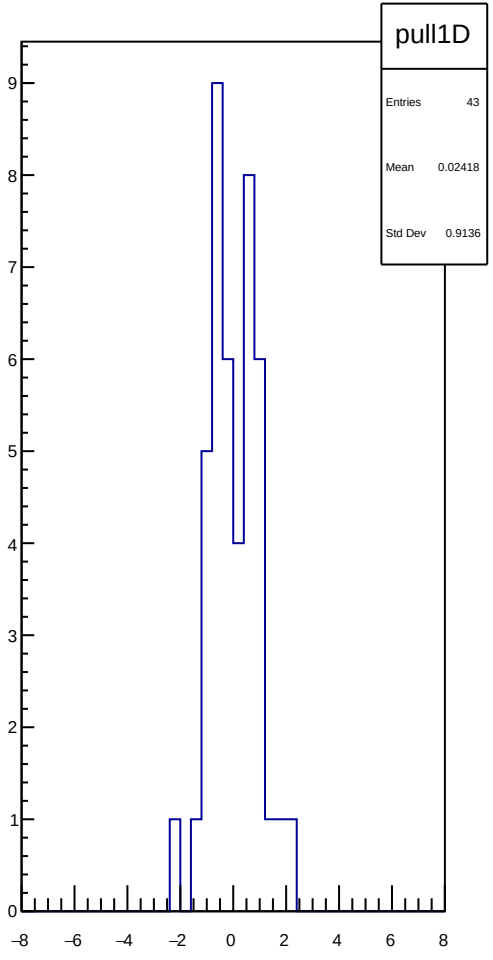

diff_bpm0i01X_rms vs run
χ² / ndf 2080 / 42
p0 2236 ± 2.401
2600
2500
2400
2300
2200
2100
2000
1900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

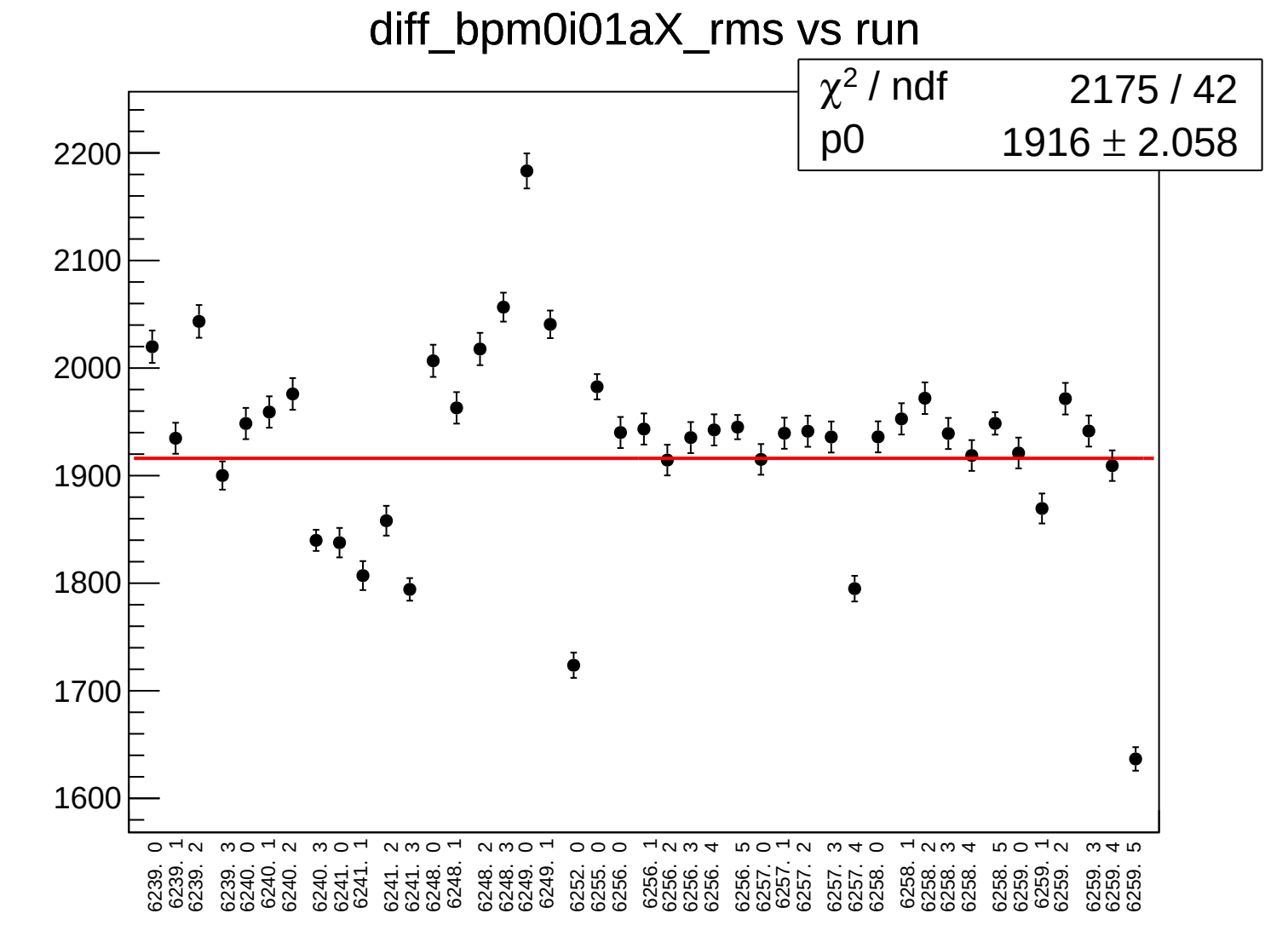

diff_bpm0i01Y_mean vs run
χ² / ndf 41.64 / 42
p0 7.933 ± 3.325
pull
Entries 43
Mean 171.7
Std Dev 0

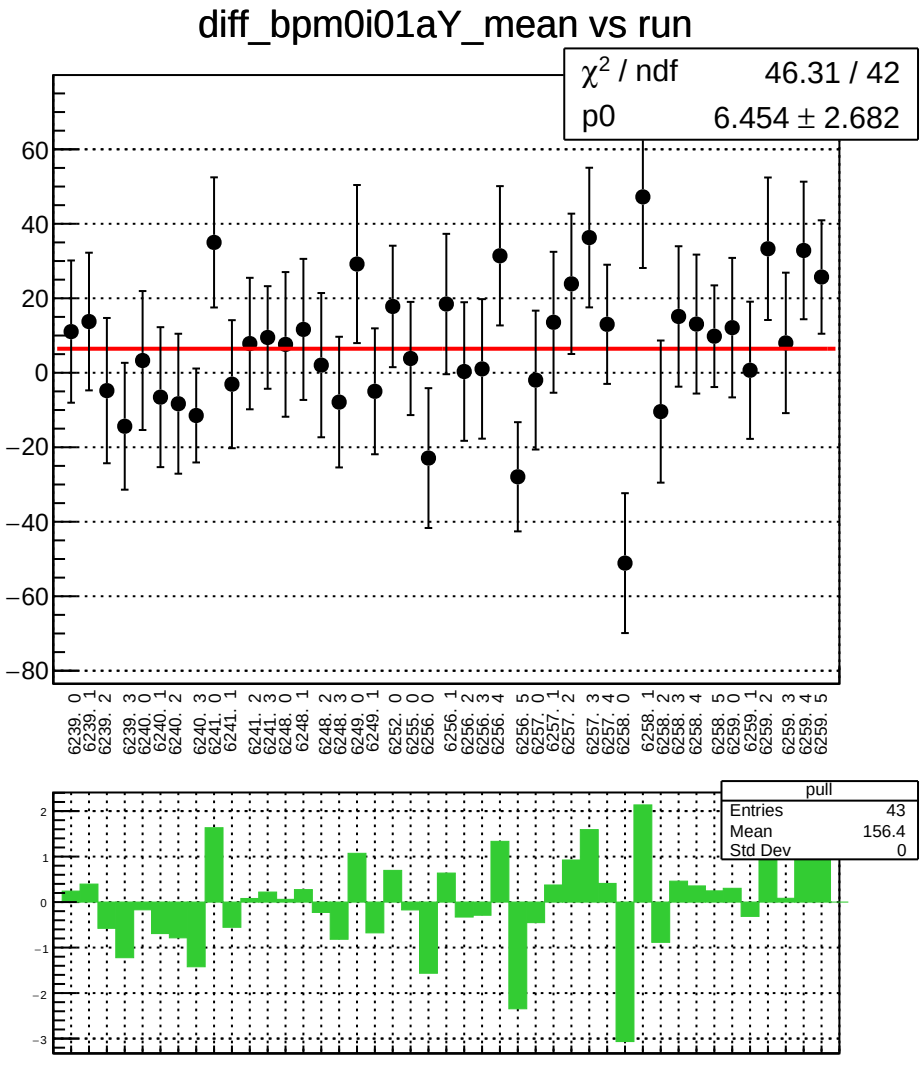

pull1D
Entries 43
Mean 0.02244
Std Dev 0.9838

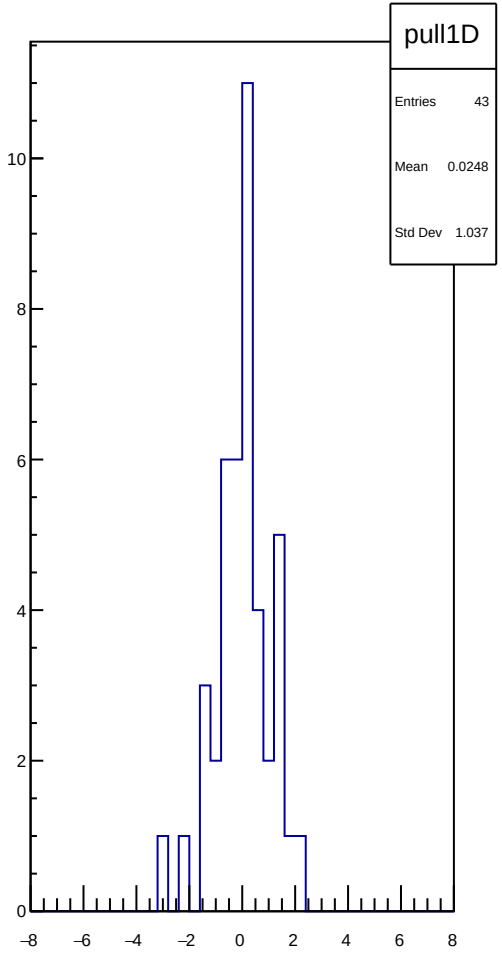

diff_bpm0i01Y_rms vs run
χ² / ndf 1944 / 42
p0 2190 ± 2.351
2500
2400
2300
2200
2100
2000
1900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

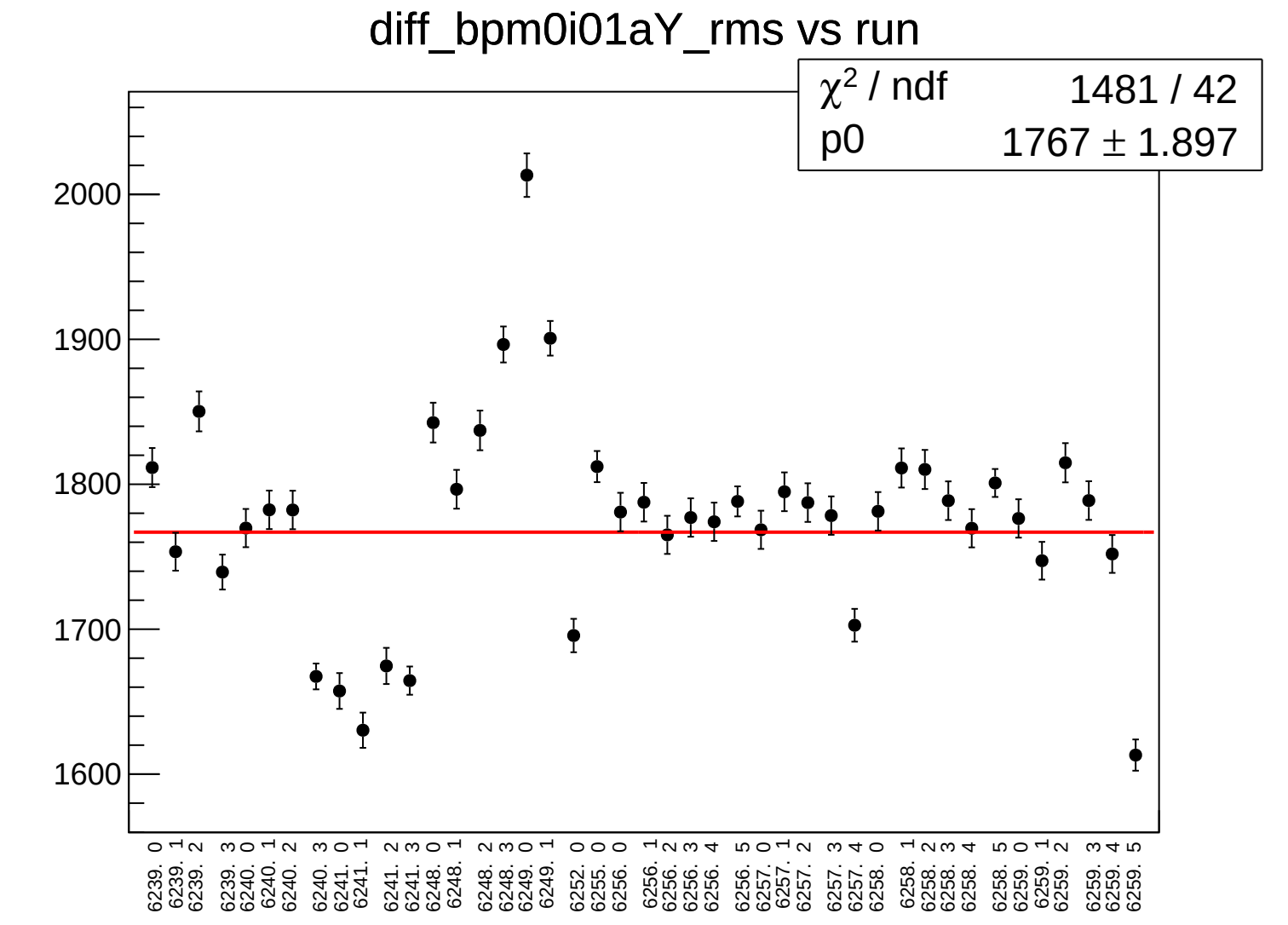

diff_bpm0i01aX_mean vs run
χ² / ndf 35.92 / 42
p0 41.05 ± 2.91
120
100
80
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.34
Std Dev 34.66
2
1
0
−1
−2

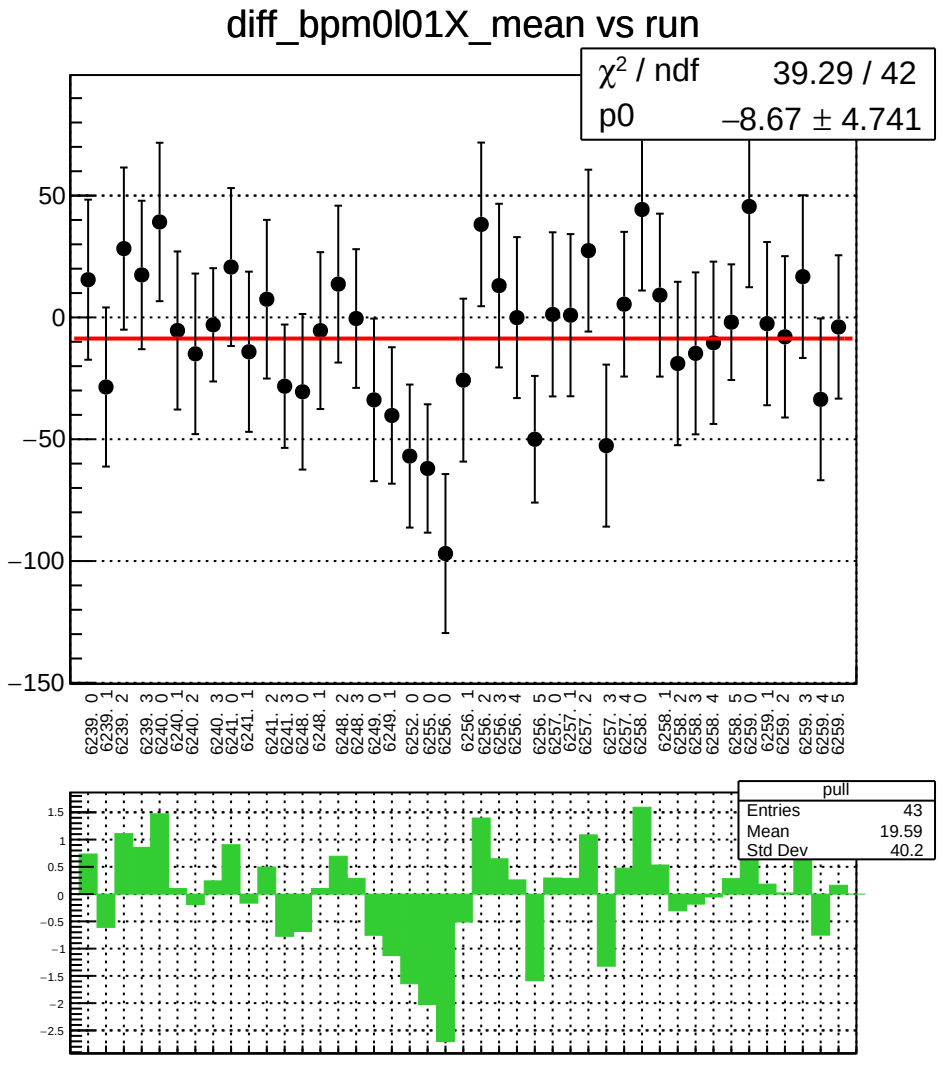

pull1D
Entries 43
Mean 0.02418
Std Dev 0.9136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

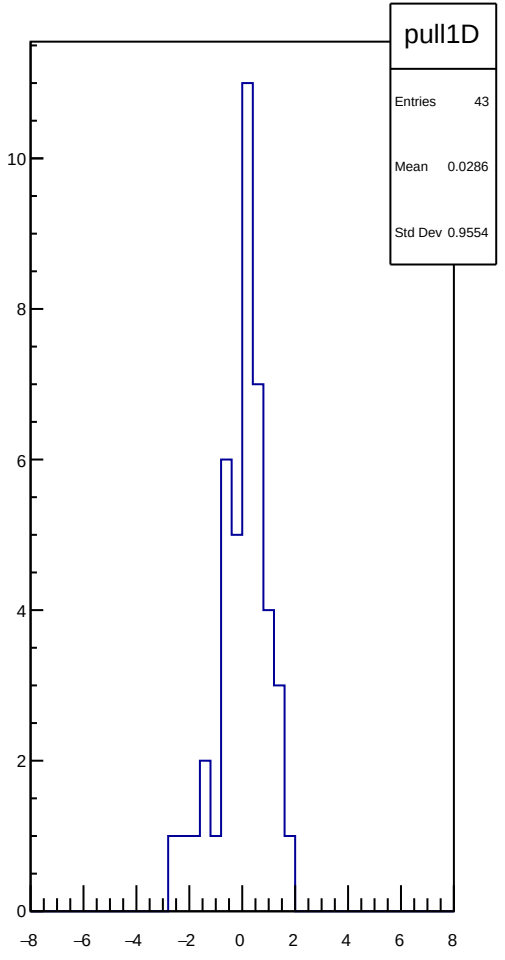

diff_bpm0i01aX_rms vs run
χ² / ndf 2175 / 42
p0 1916 ± 2.058
2200
2100
2000
1900
1800
1700
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

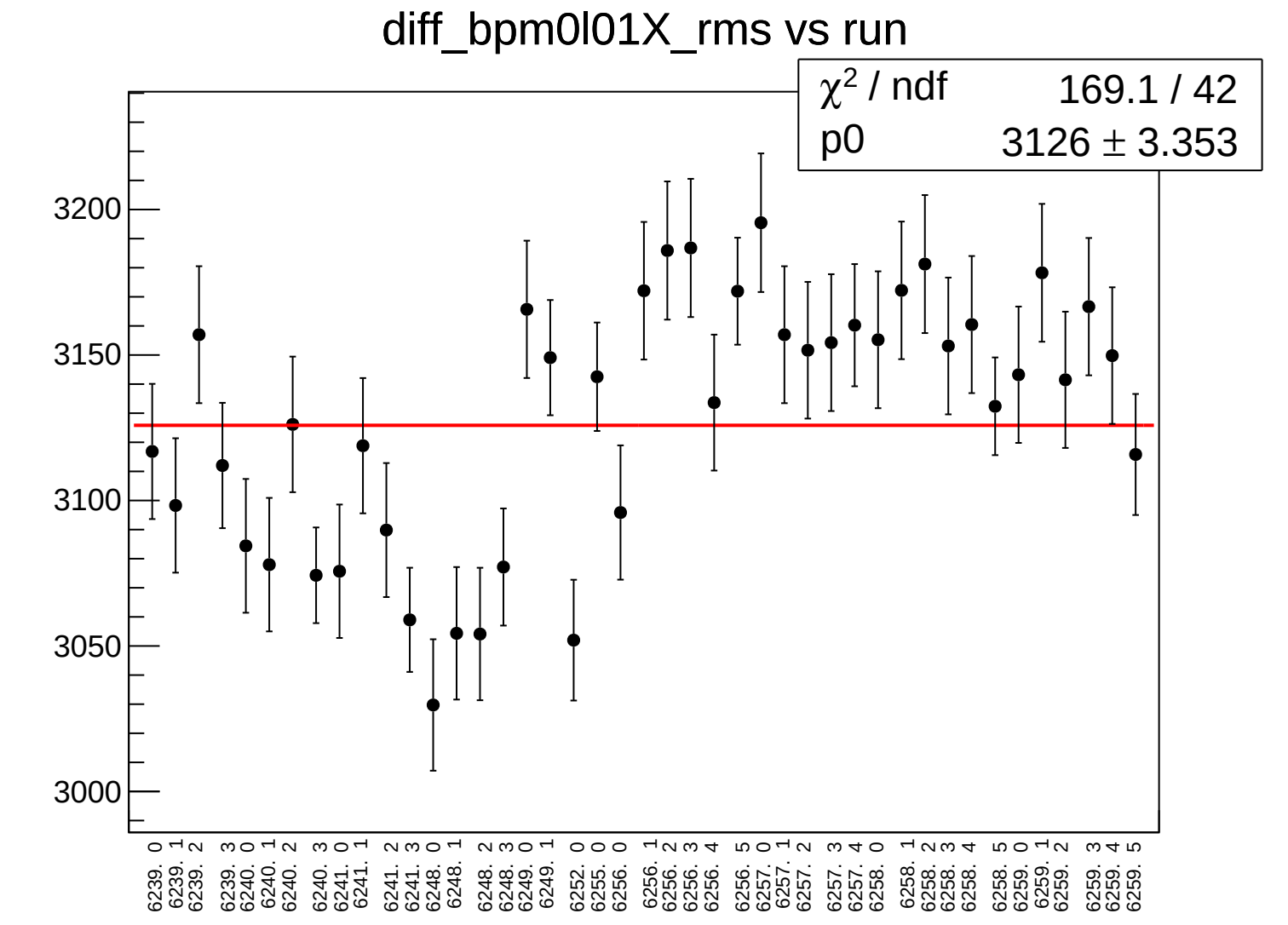

diff_bpm0i01aY_mean vs run
χ² / ndf 46.31 / 42
p0 6.454 ± 2.682
60
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 156.4
Std Dev 0
2
1
0
−1
−2
−3

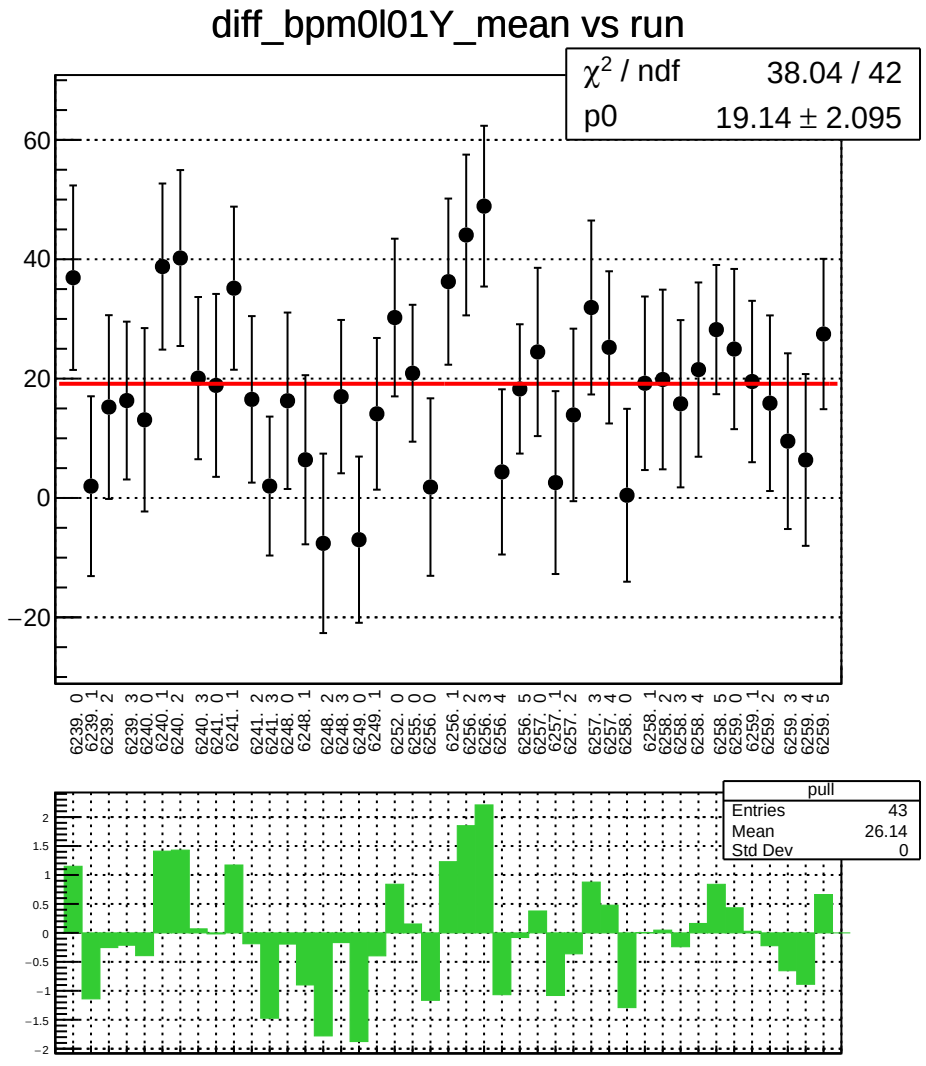

pull1D
Entries 43
Mean 0.0248
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

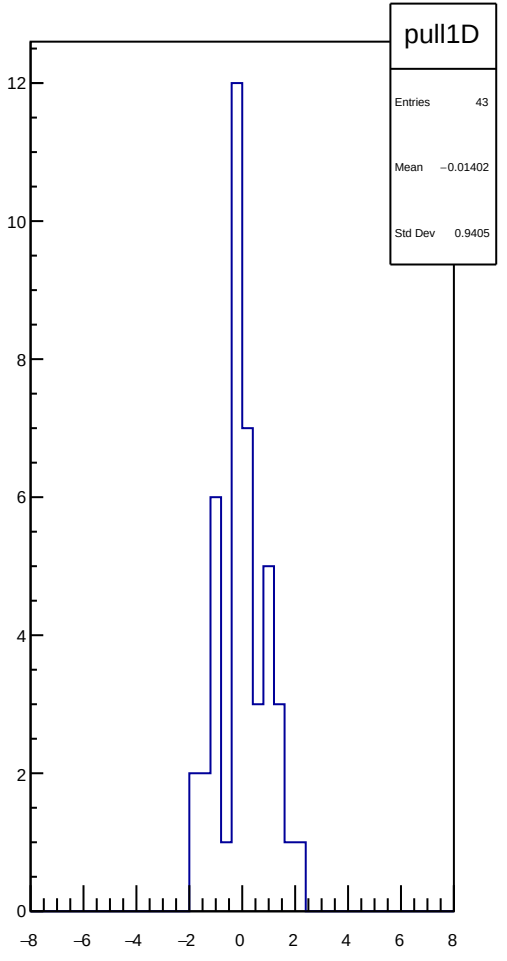

diff_bpm0i01aY_rms vs run
χ² / ndf 1481 / 42
p0 1767 ± 1.897
2000
1900
1800
1700
1600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

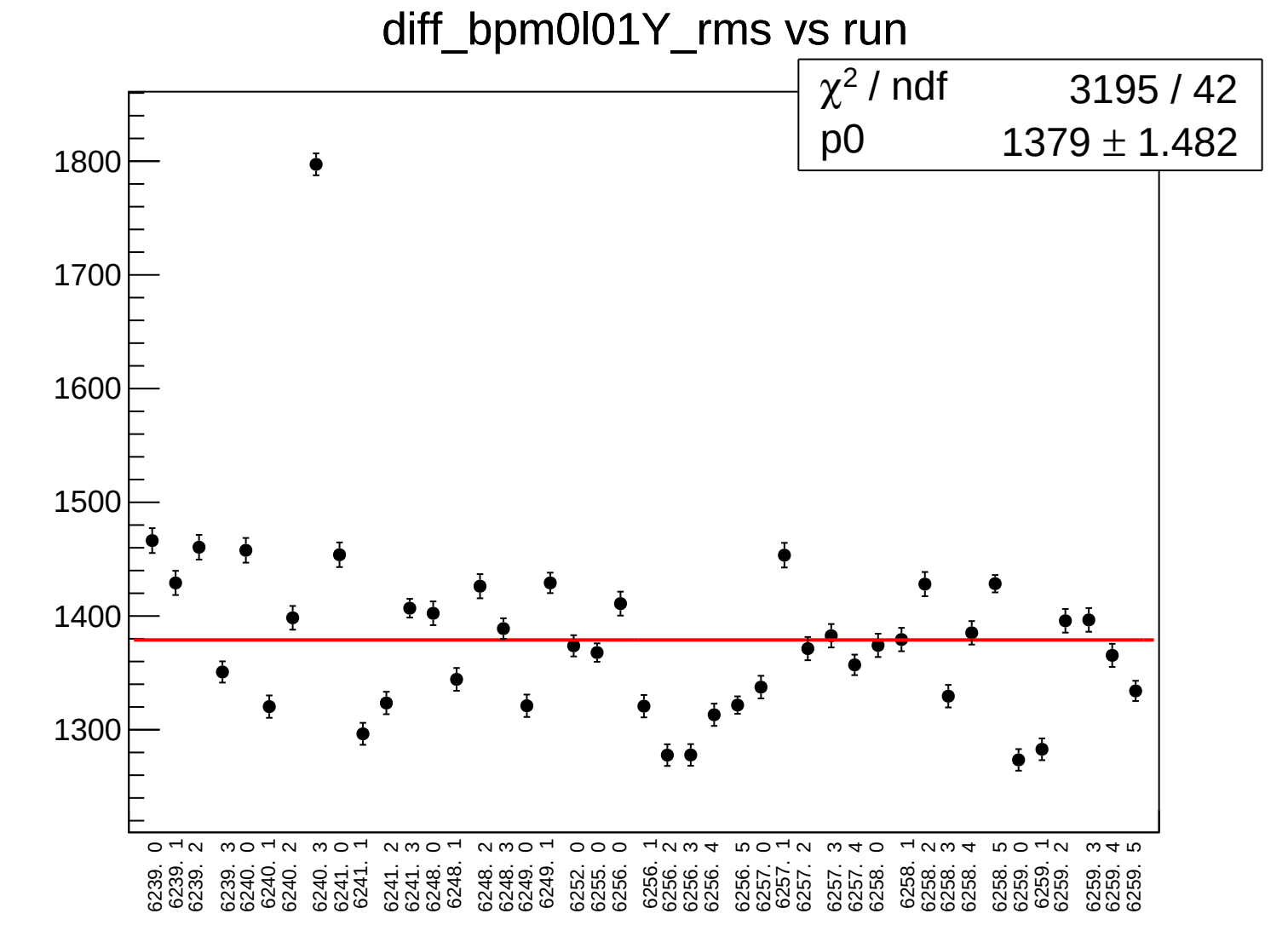

diff_bpm0l01X_mean vs run
χ² / ndf 39.29 / 42
p0 −8.67 ± 4.741
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.59
Std Dev 40.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

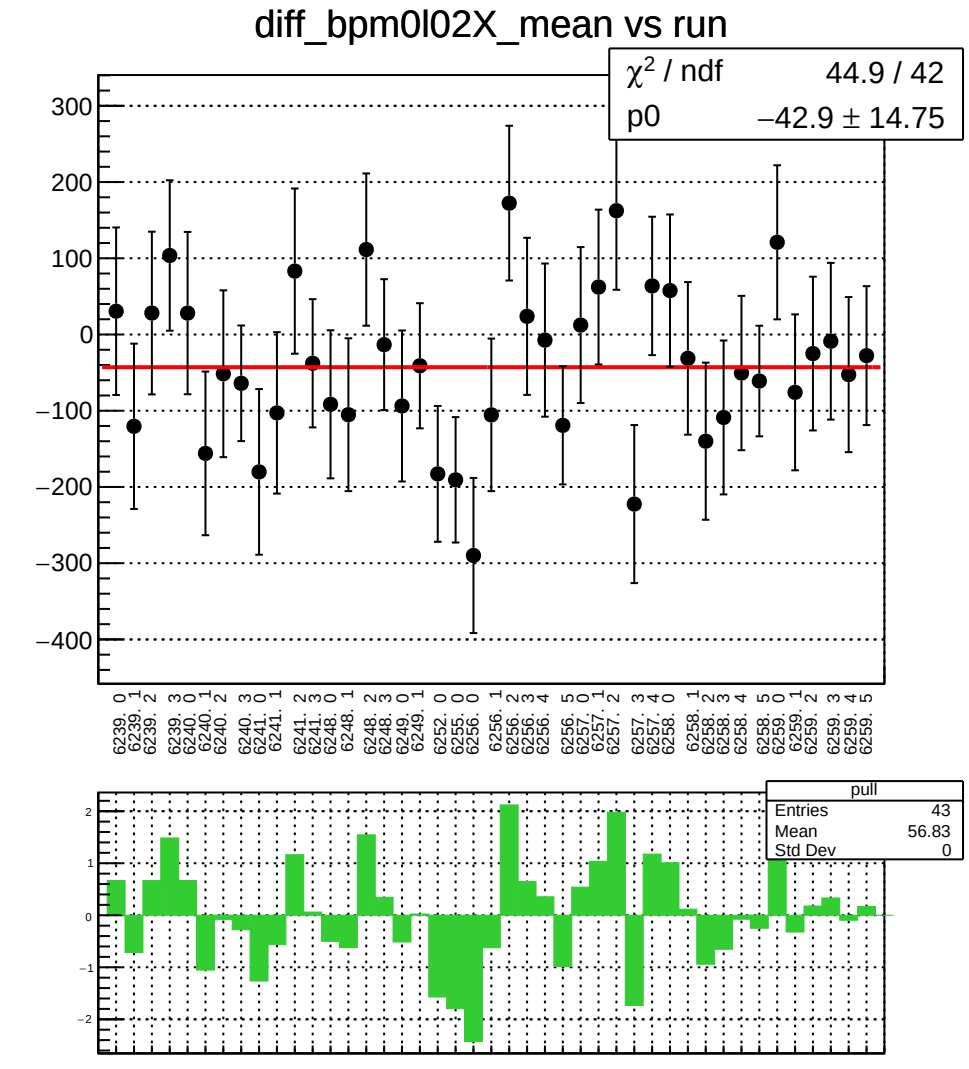

pull1D
Entries 43
Mean 0.0286
Std Dev 0.9554
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

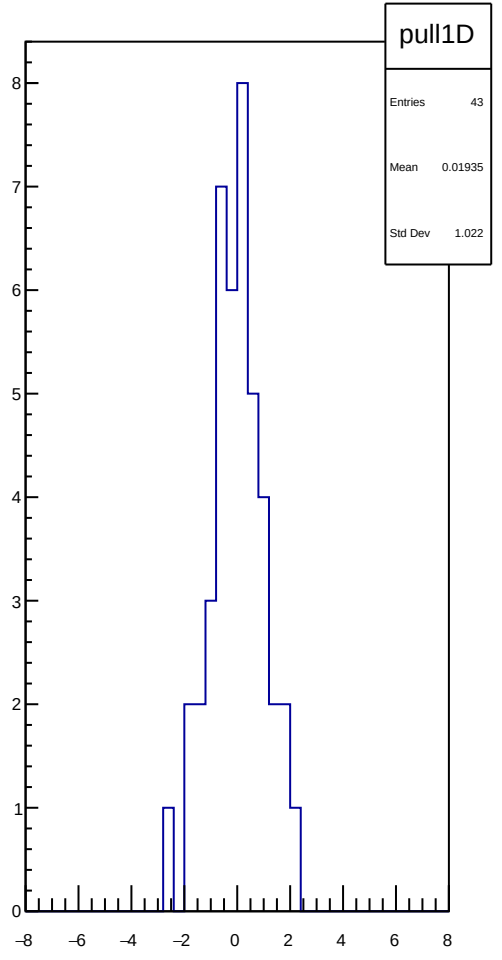

diff_bpm0l01X_rms vs run
χ² / ndf 169.1 / 42
p0 3126 ± 3.353
3200
3150
3100
3050
3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

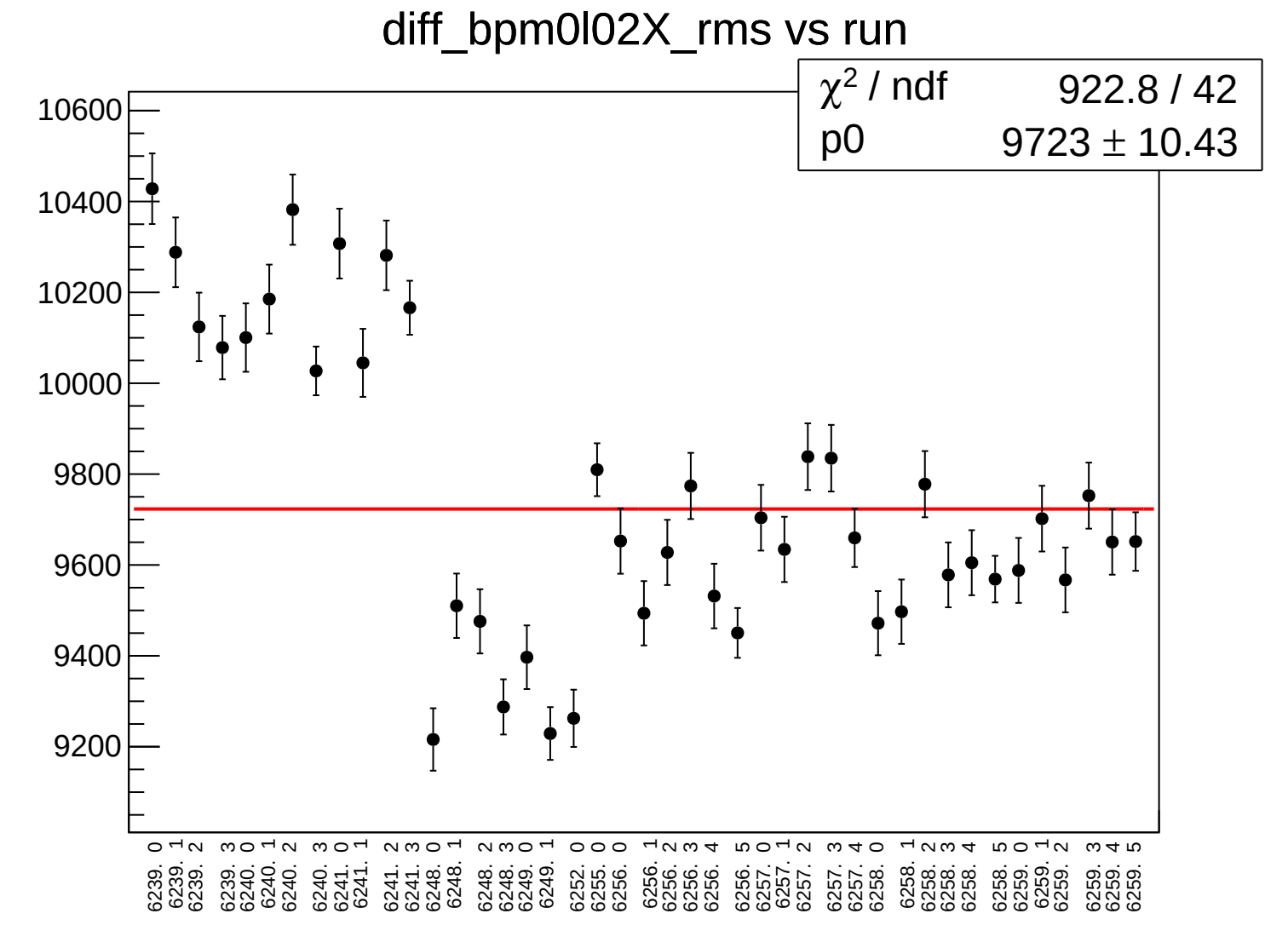

diff_bpm0l01Y_mean vs run
$\chi^2$ / ndf 38.04 / 42
p0 19.14 ± 2.095
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

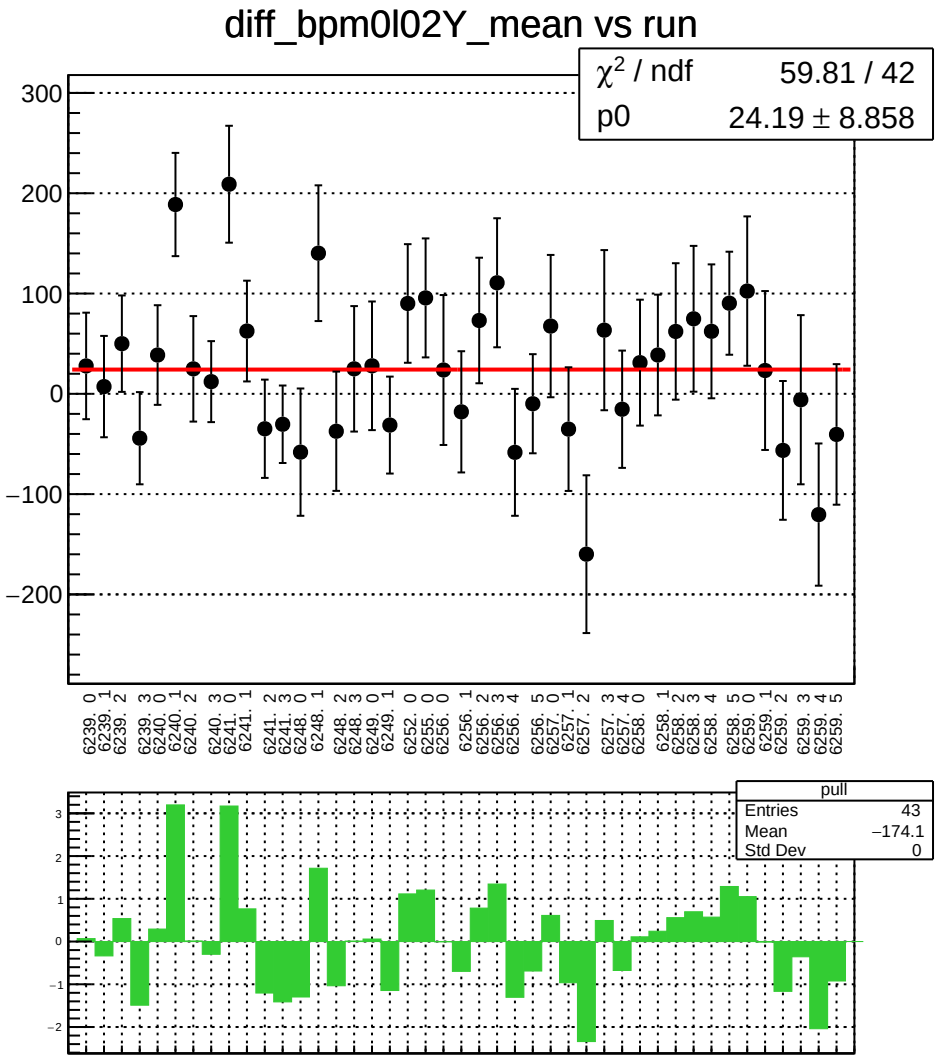

pull1D
Entries 43
Mean −0.01402
Std Dev 0.9405
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

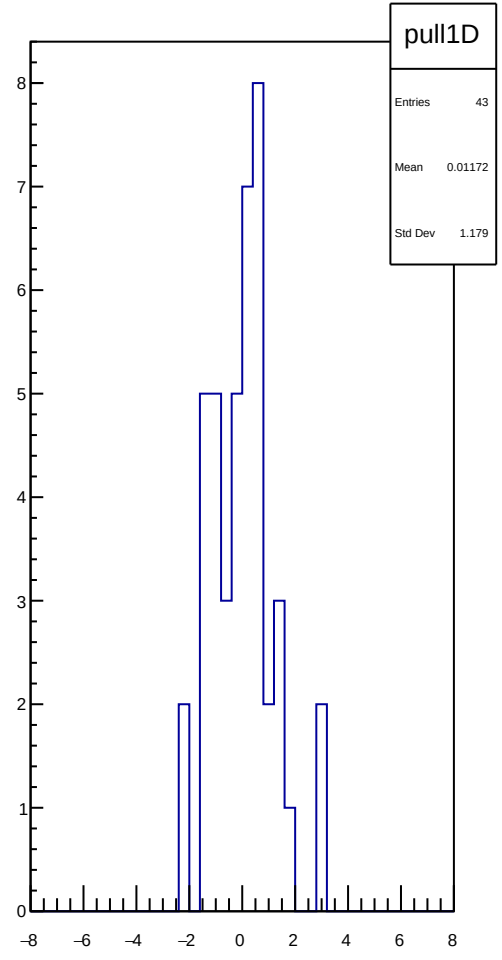

diff_bpm0l01Y_rms vs run
χ² / ndf 3195 / 42
p0 1379 ± 1.482
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

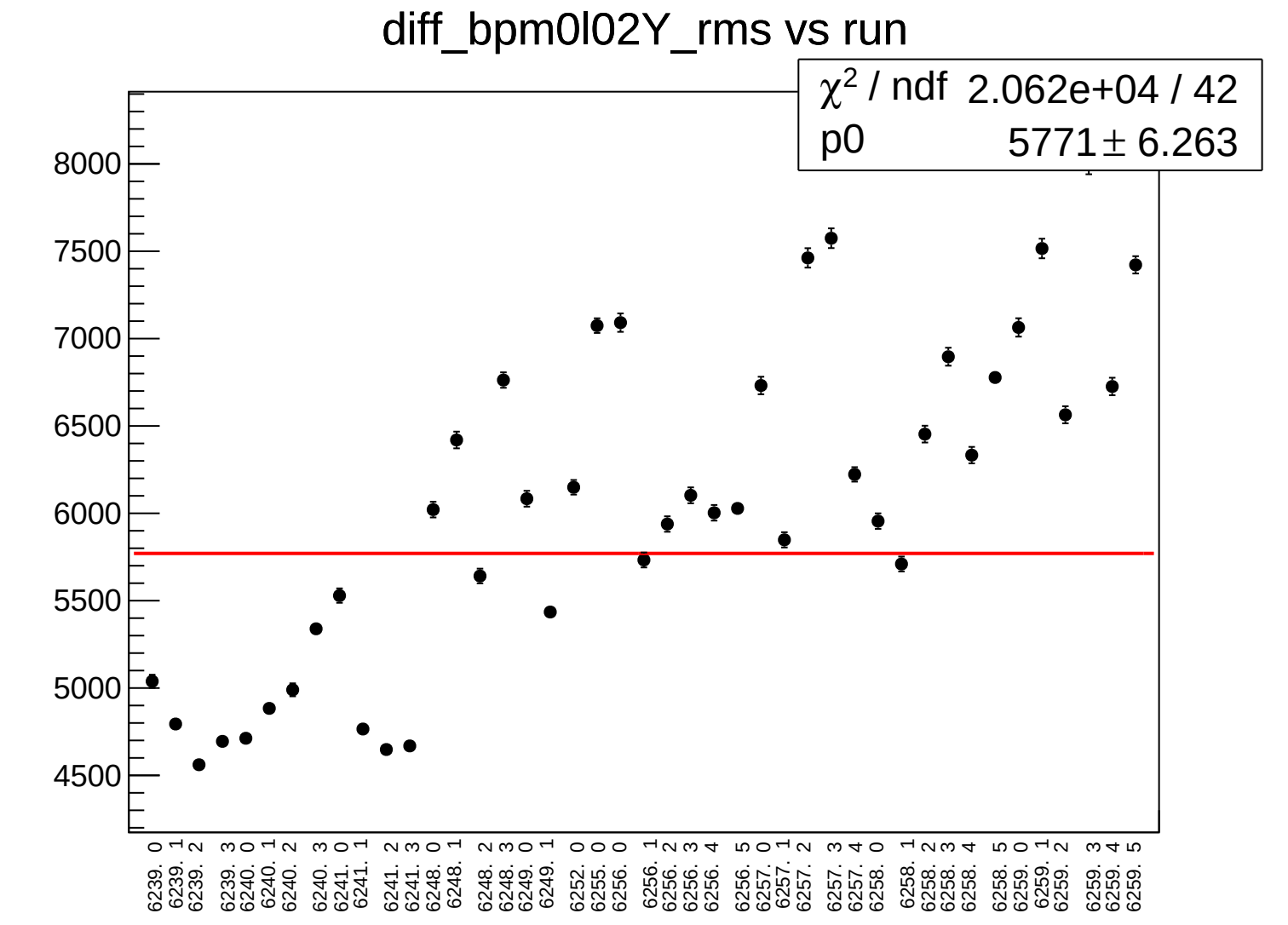

diff_bpm0l02X_mean vs run
χ² / ndf 44.9 / 42
p0 −42.9 ± 14.75
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 56.83
Std Dev 0
2
1
0
−1
−2

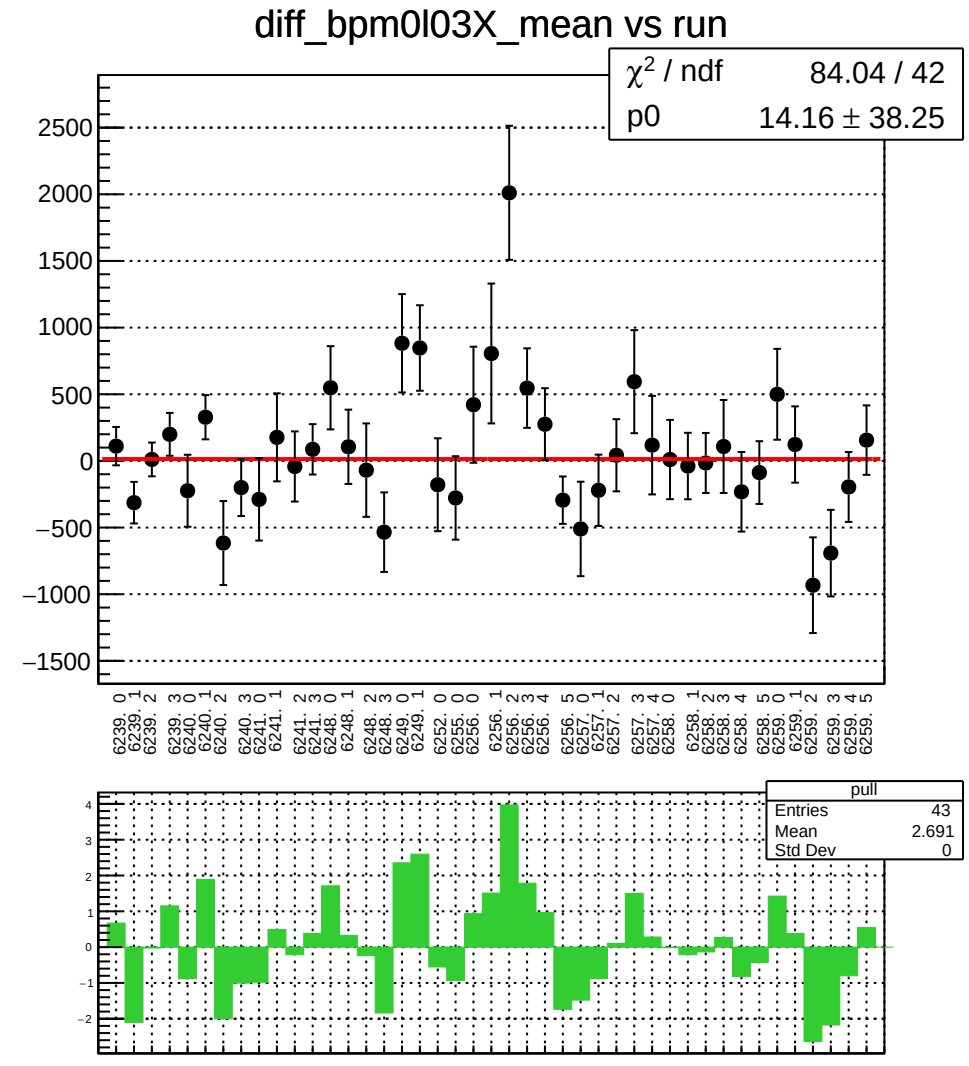

pull1D
Entries 43
Mean 0.01935
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

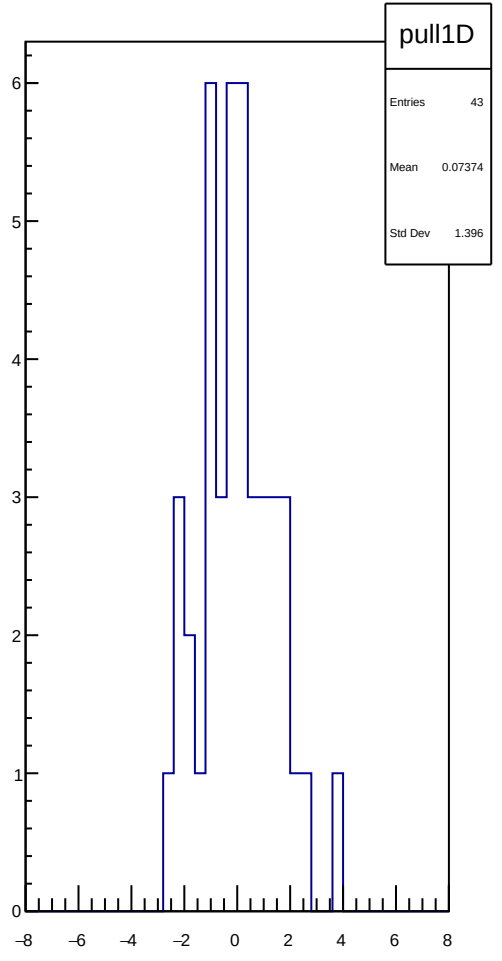

diff_bpm0l02X_rms vs run
χ² / ndf 922.8 / 42
p0 9723 ± 10.43
10600
10400
10200
10000
9800
9600
9400
9200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

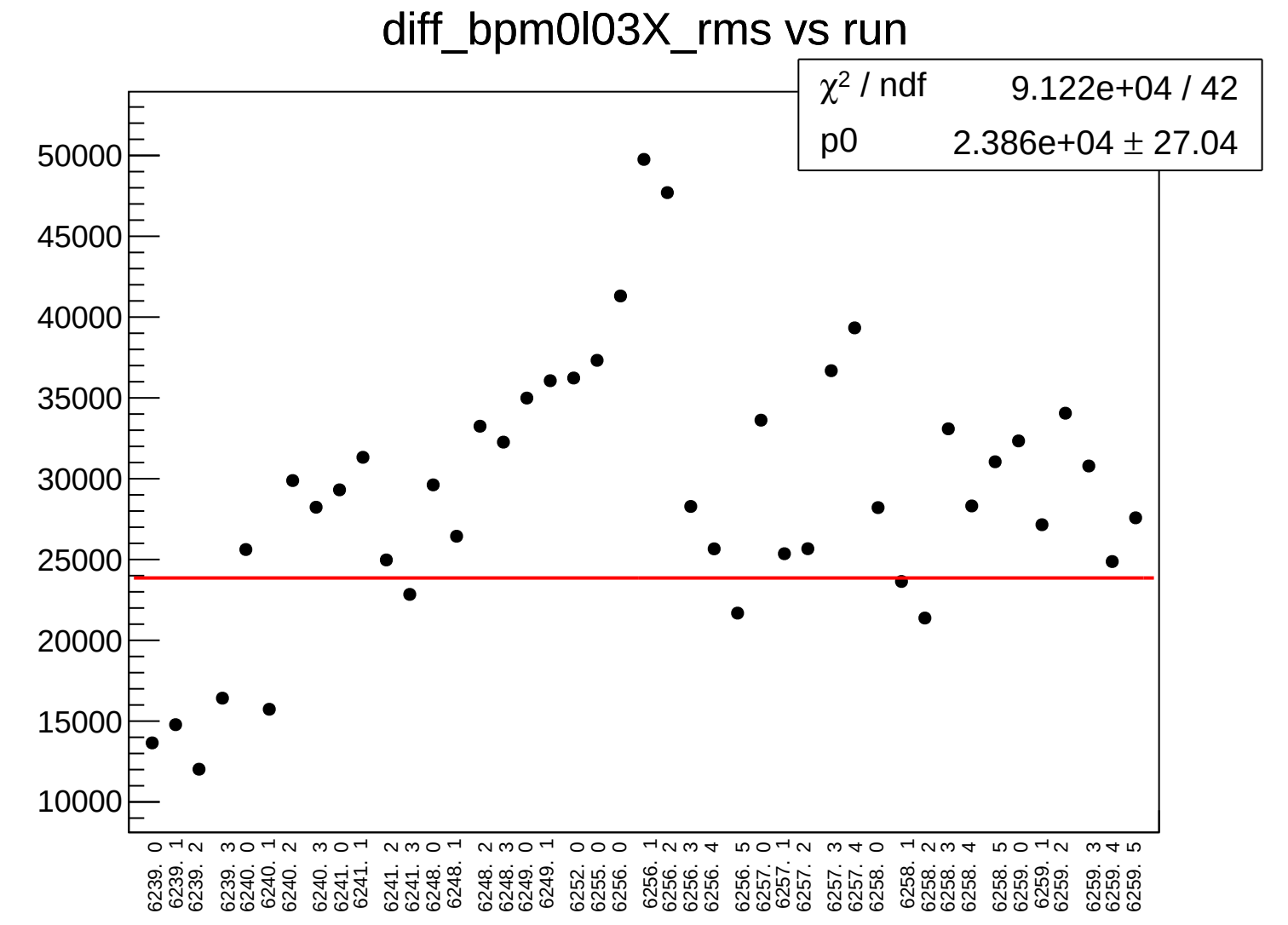

diff_bpm0l02Y_mean vs run
χ² / ndf 59.81 / 42
p0 24.19 ± 8.858
300
200
100
0
−100
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −174.1
Std Dev 0
3
2
1
0
−1
−2

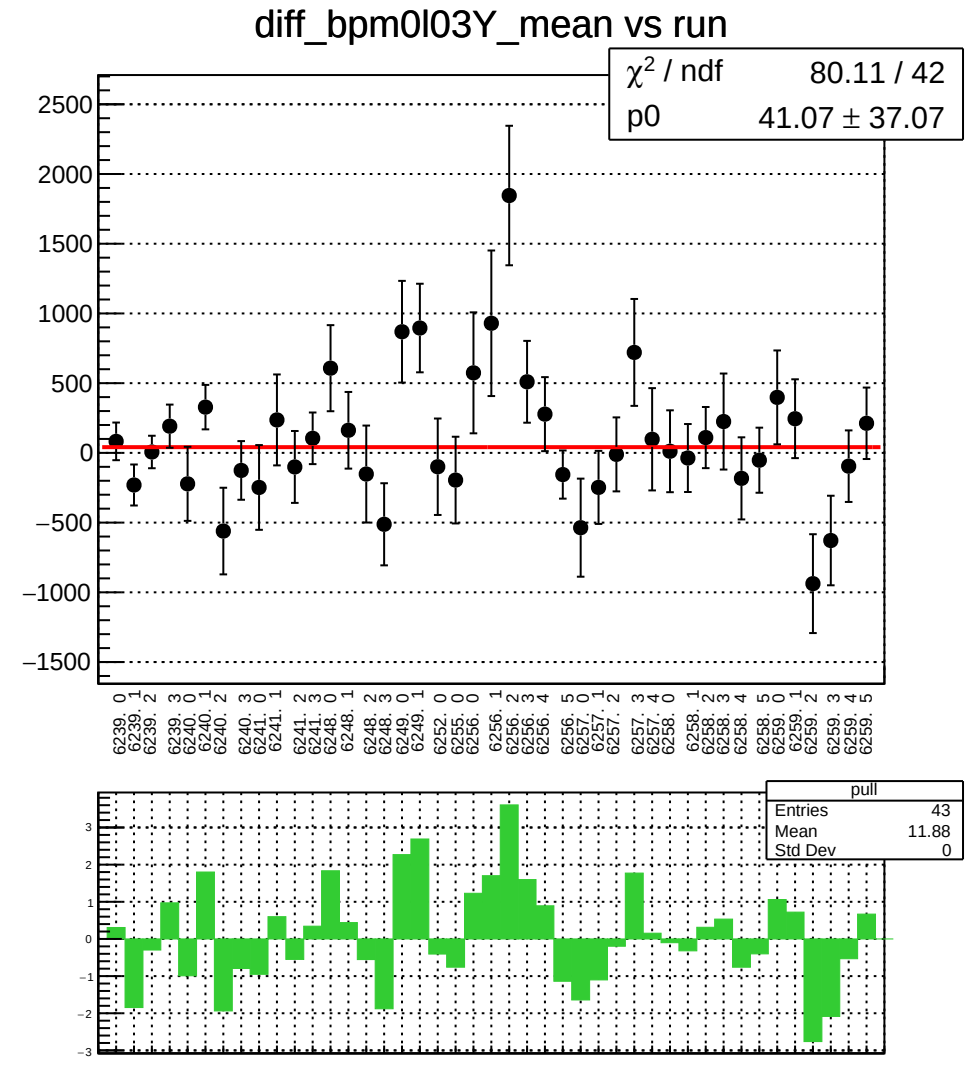

pull1D
Entries 43
Mean 0.01172
Std Dev 1.179
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

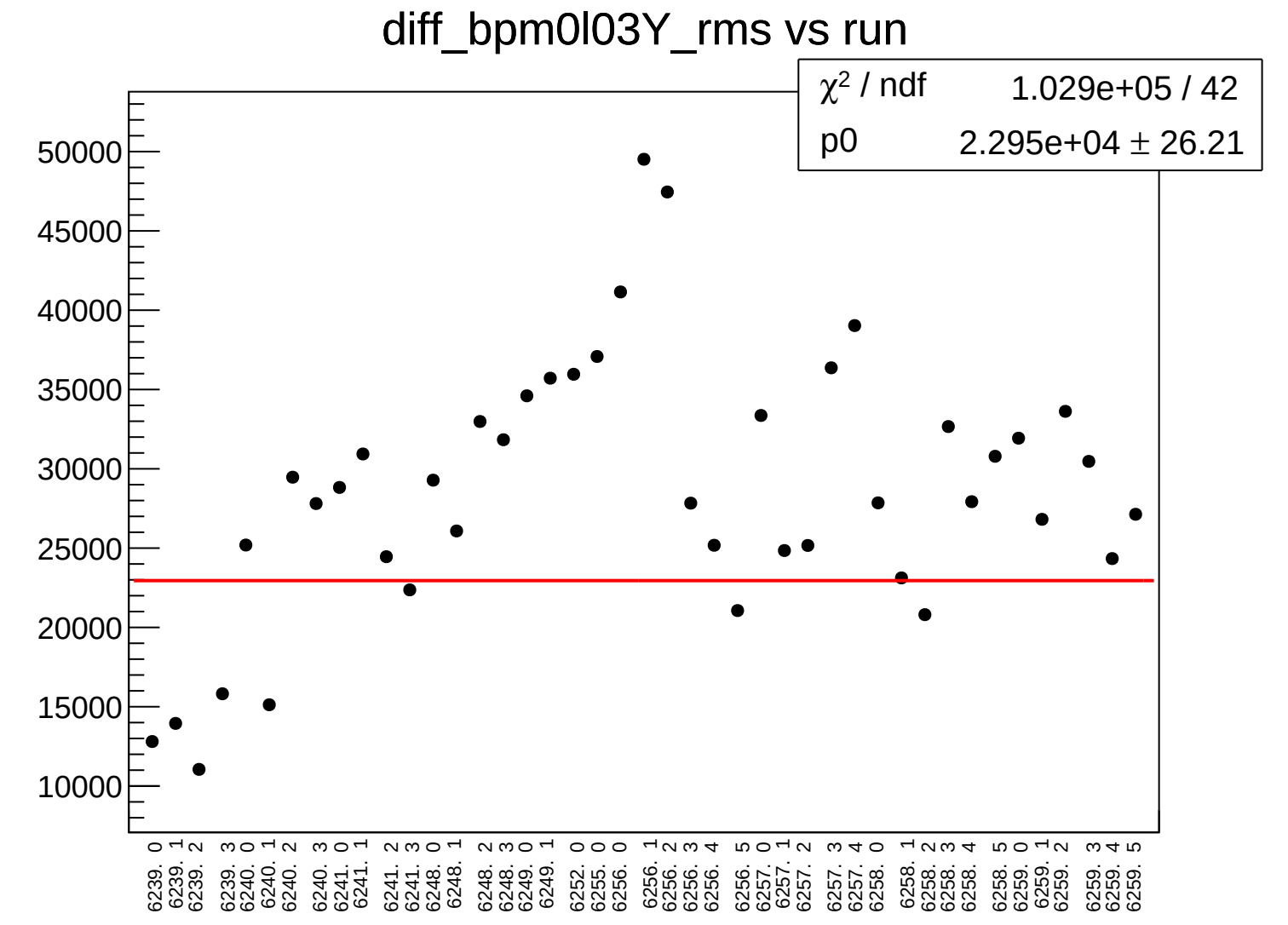

diff_bpm0l02Y_rms vs run
χ² / ndf 2.062e+04 / 42
p0 5771 ± 6.263
8000
7500
7000
6500
6000
5500
5000
4500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

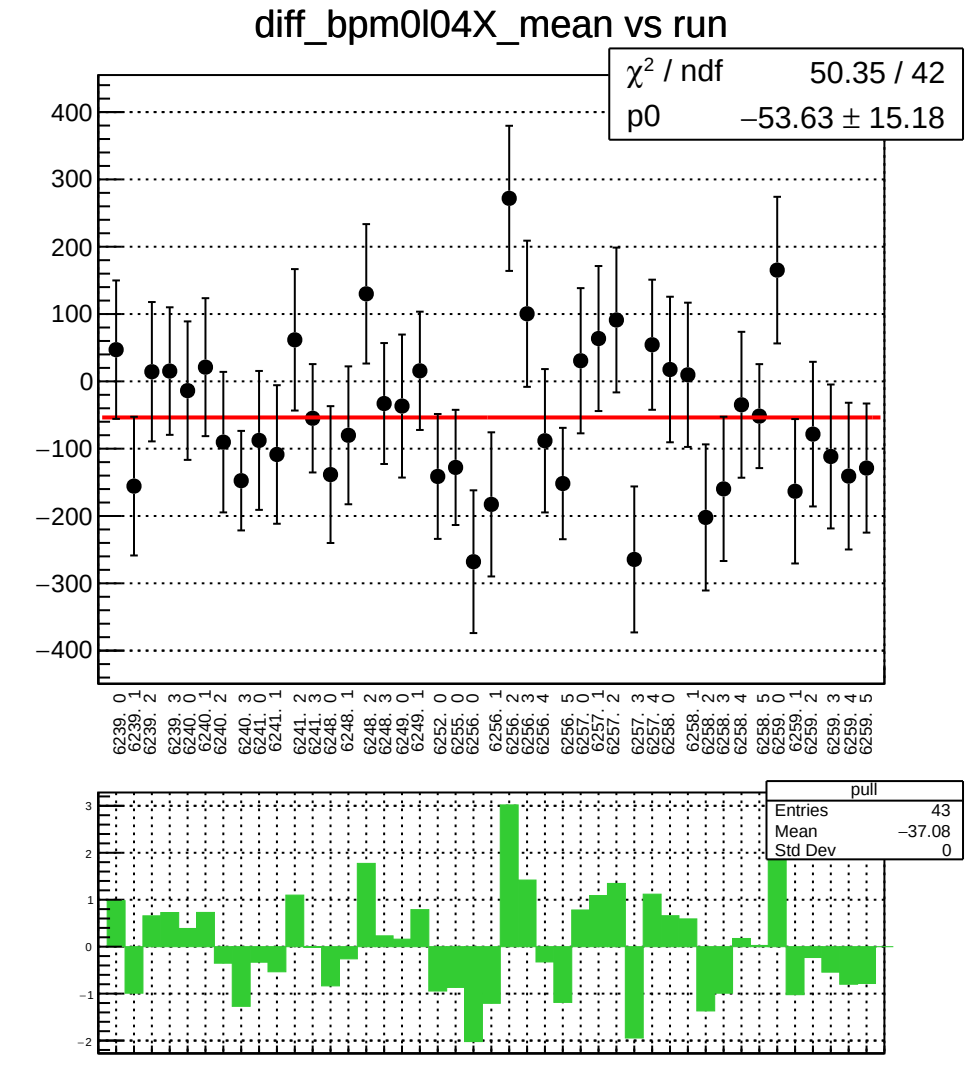

diff_bpm0l03X_mean vs run
χ² / ndf 84.04 / 42
p0 14.16 ± 38.25
2500
2000
1500
1000
500
0
−500
−1000
−1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2.691
Std Dev 0
4
3
2
1
0
−1
−2

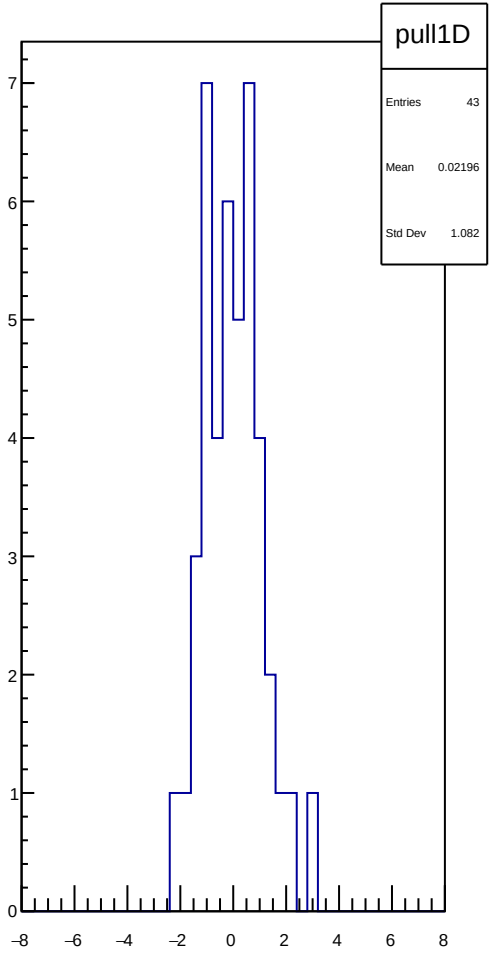

pull1D
Entries 43
Mean 0.07374
Std Dev 1.396
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

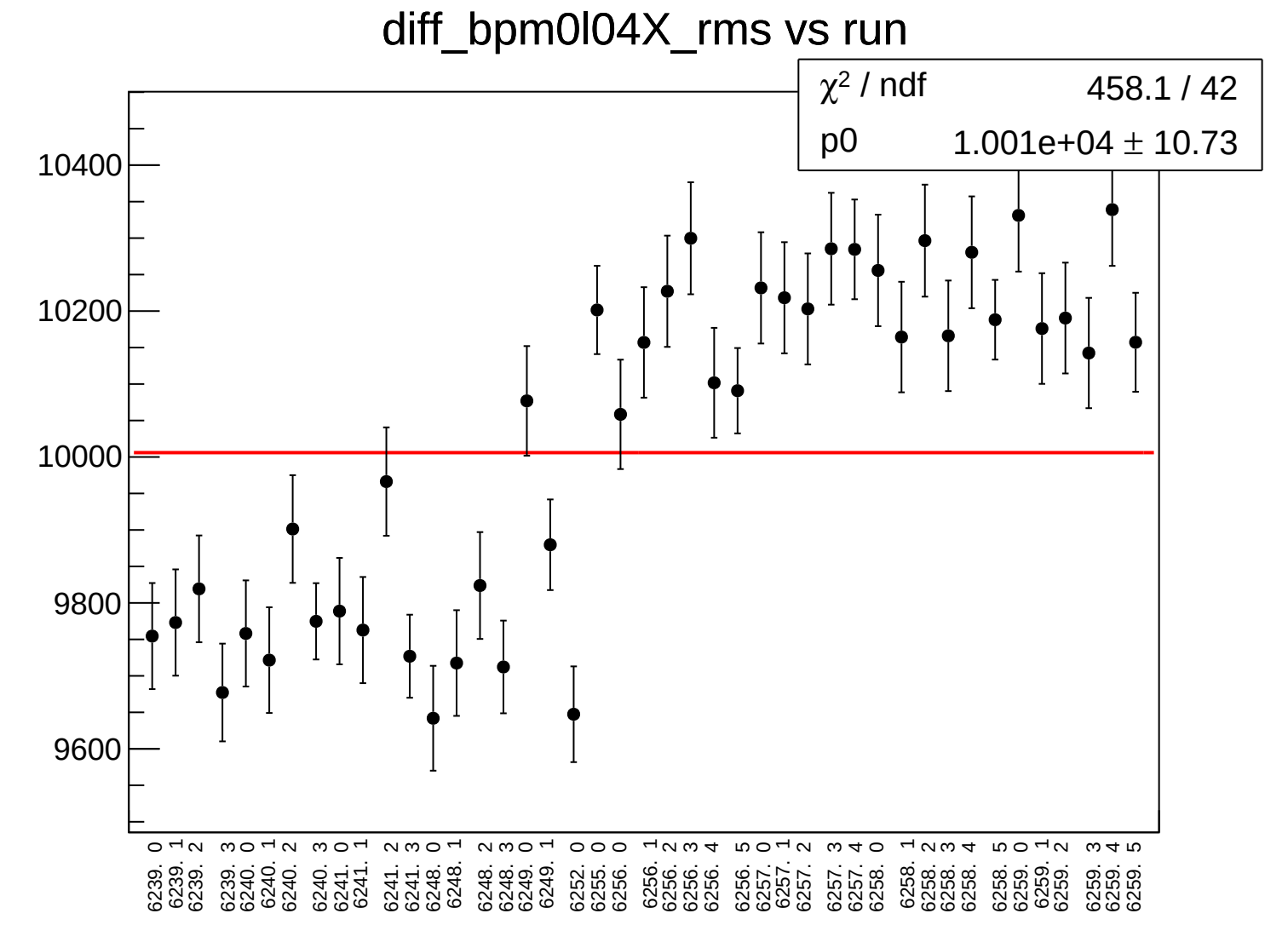

diff_bpm0l03X_rms vs run
χ² / ndf 9.122e+04 / 42
p0 2.386e+04 ± 27.04
50000
45000
40000
35000
30000
25000
20000
15000
10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

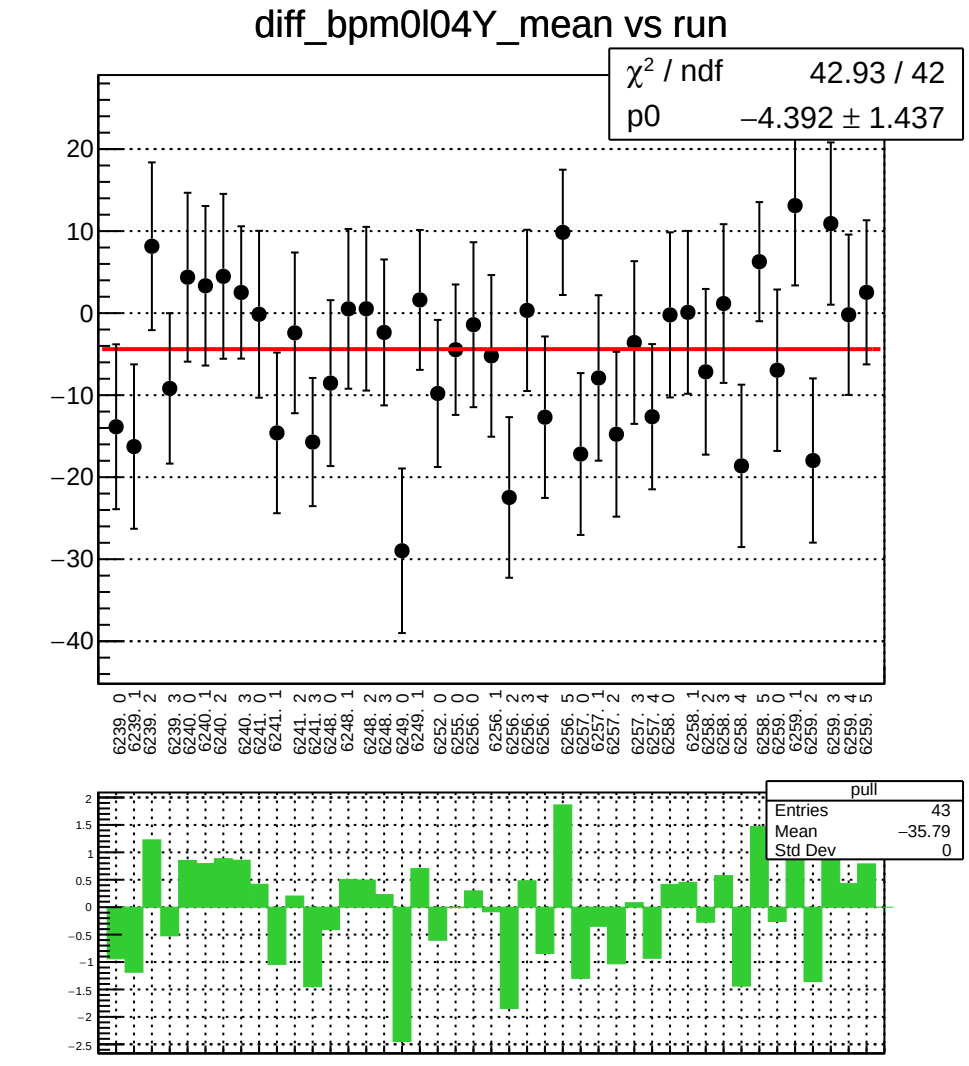

diff_bpm0l03Y_mean vs run
χ² / ndf 80.11 / 42
p0 41.07 ± 37.07
2500
2000
1500
1000
500
0
−500
−1000
−1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.88
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.08153
Std Dev 1.362
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

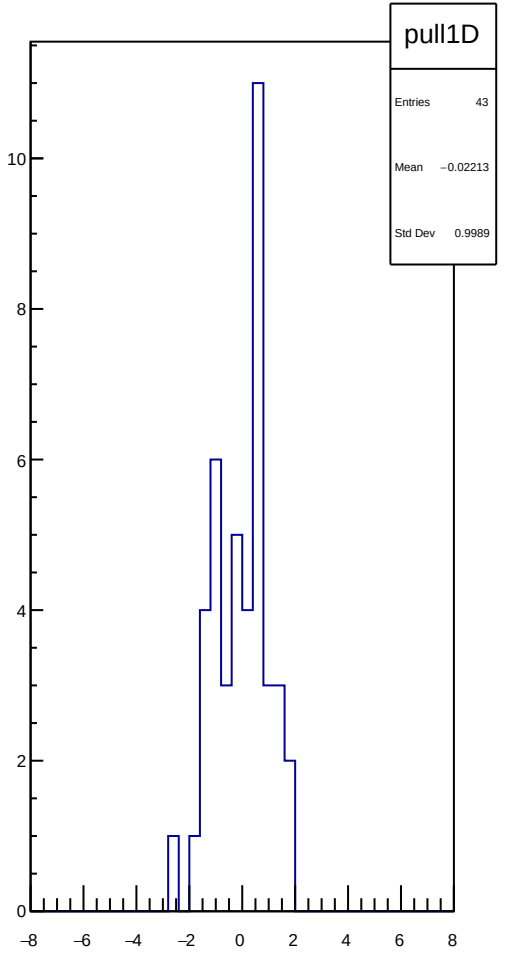

diff_bpm0l03Y_rms vs run
χ² / ndf 1.029e+05 / 42
p0 2.295e+04 ± 26.21
50000
45000
40000
35000
30000
25000
20000
15000
10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

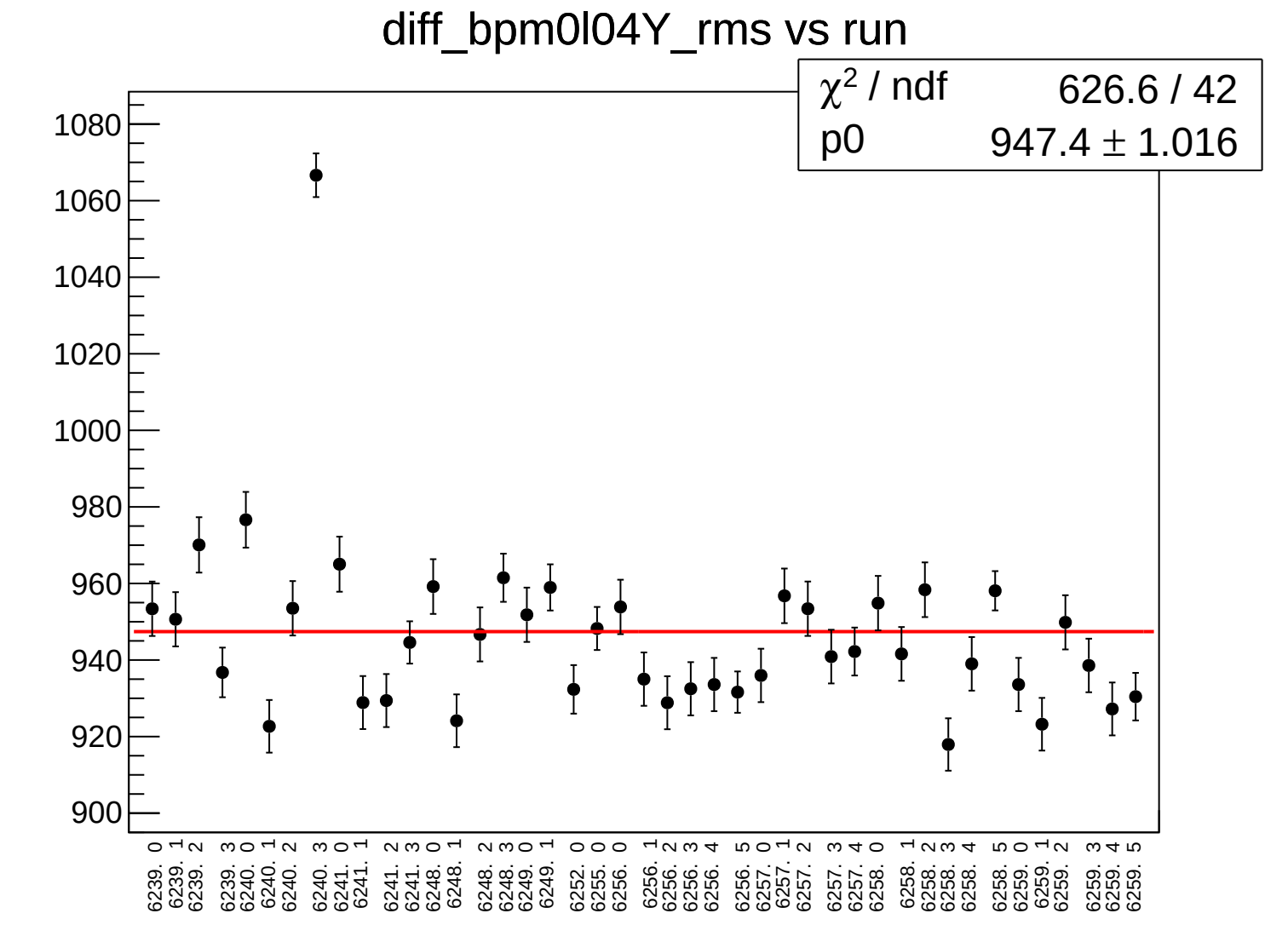

diff_bpm0l04X_mean vs run
χ² / ndf 50.35 / 42
p0 −53.63 ± 15.18
400
300
200
100
0
−100
−200
−300
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −37.08
Std Dev 0
3
2
1
0
−1
−2

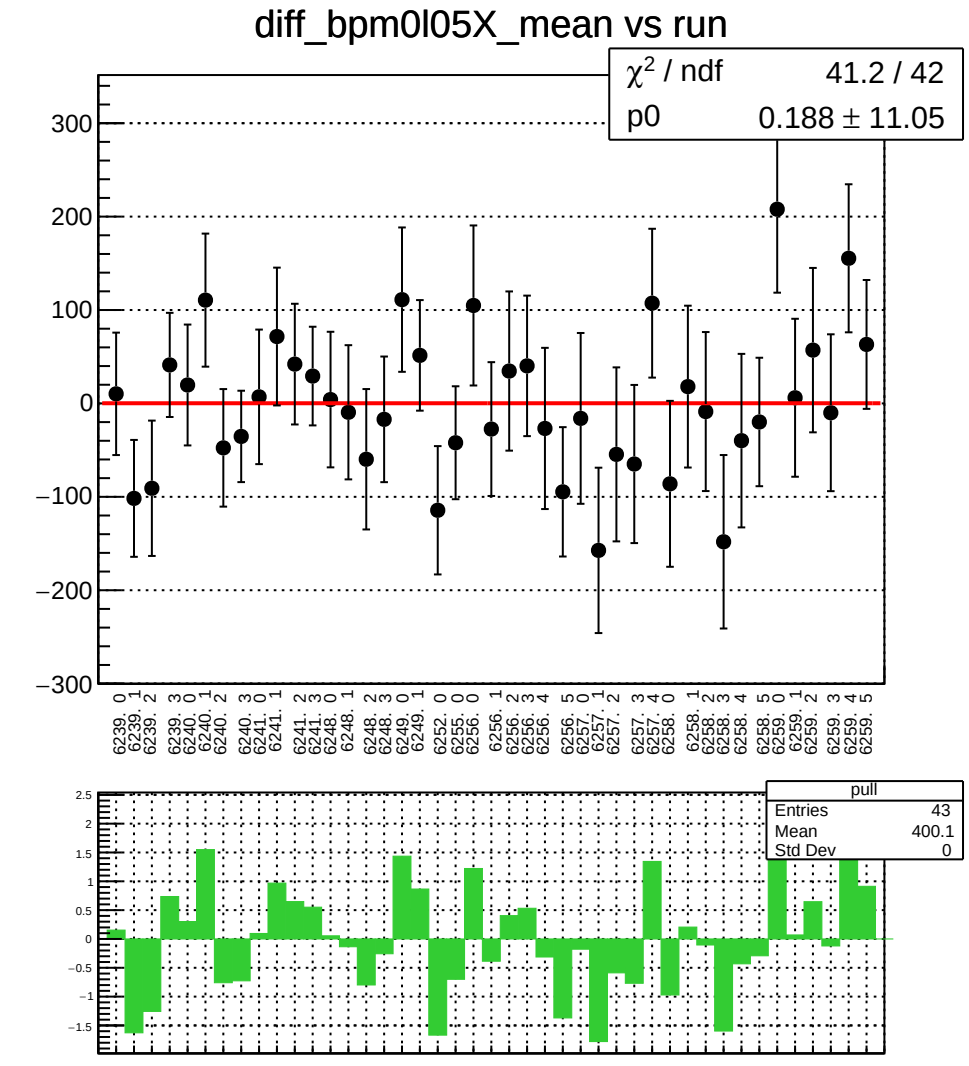

pull1D
Entries 43
Mean 0.02196
Std Dev 1.082
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

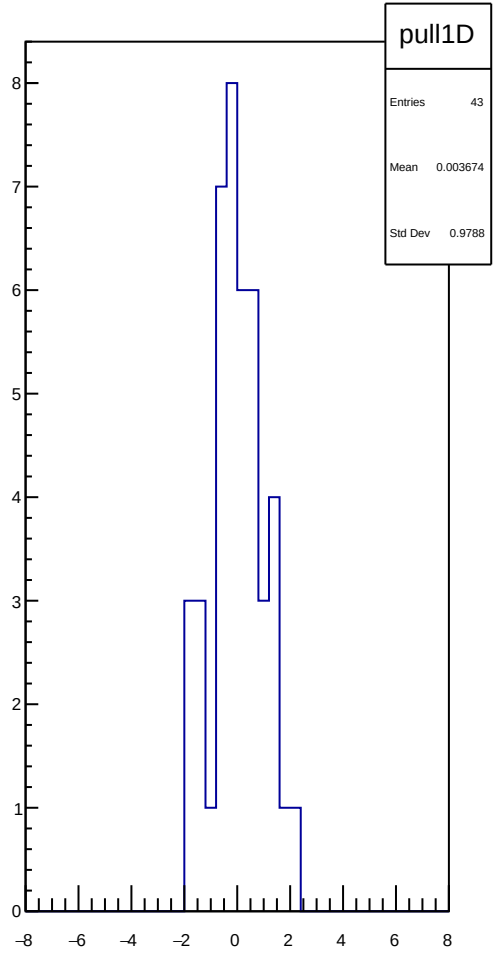

diff_bpm0l04X_rms vs run
χ² / ndf 458.1 / 42
p0 1.001e+04 ± 10.73
10400
10200
10000
9800
9600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

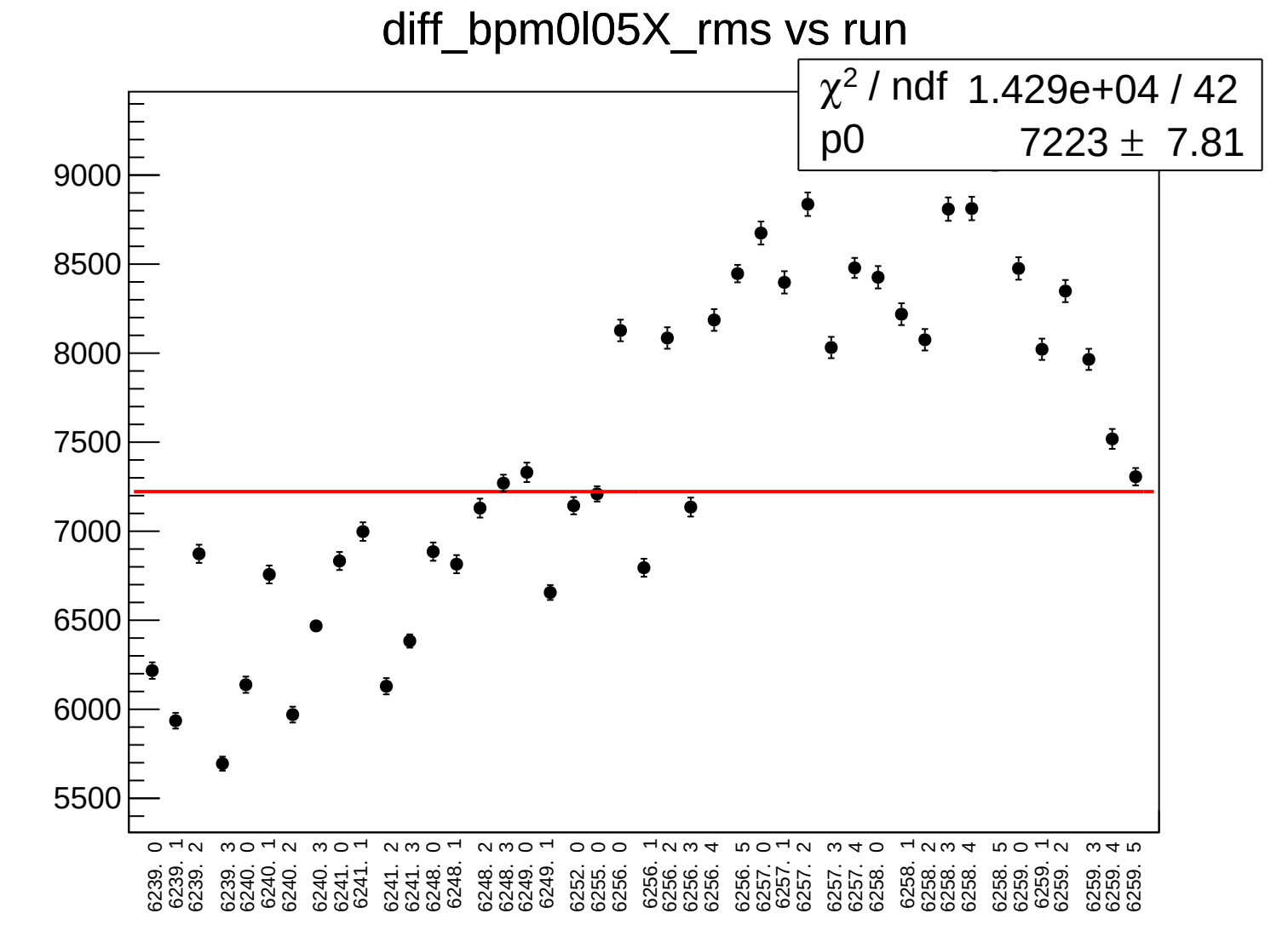

diff_bpm0l04Y_mean vs run
χ² / ndf 42.93 / 42
p0 −4.392 ± 1.437
pull
Entries 43
Mean −35.79
Std Dev 0

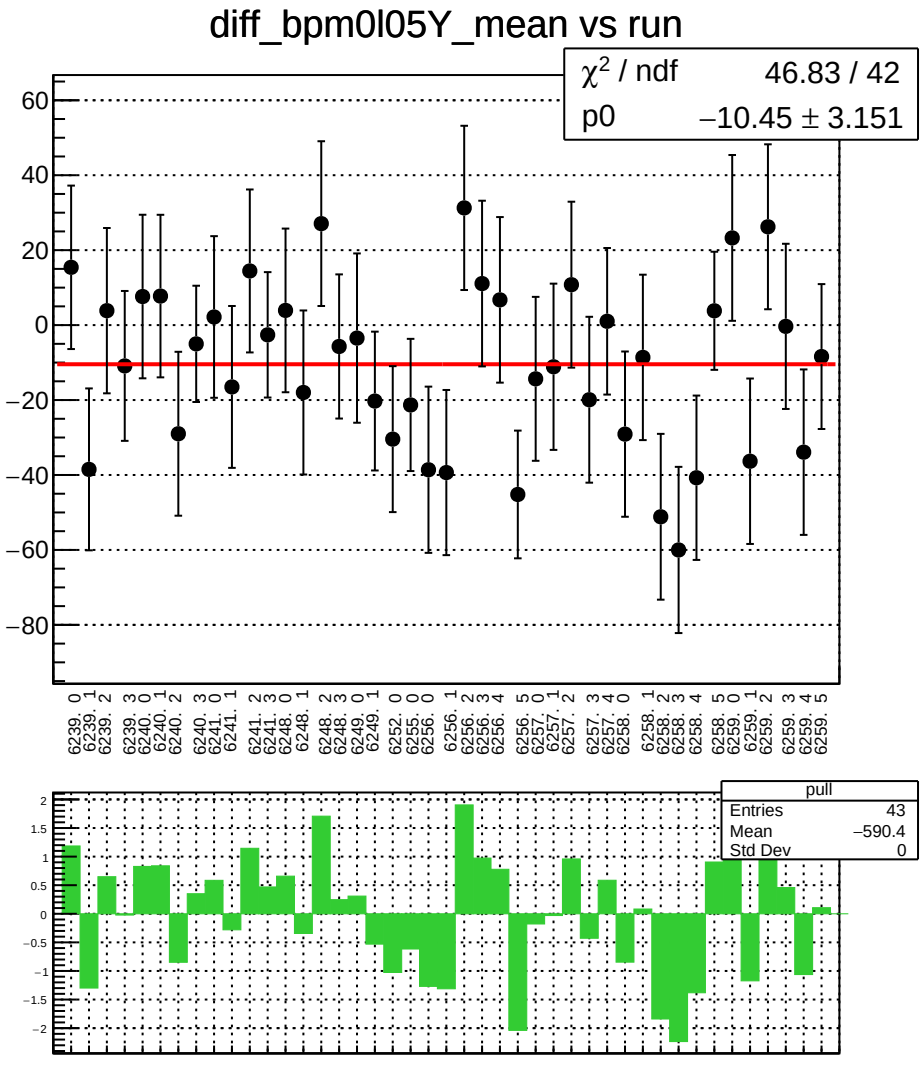

pull1D
Entries 43
Mean −0.02213
Std Dev 0.9989

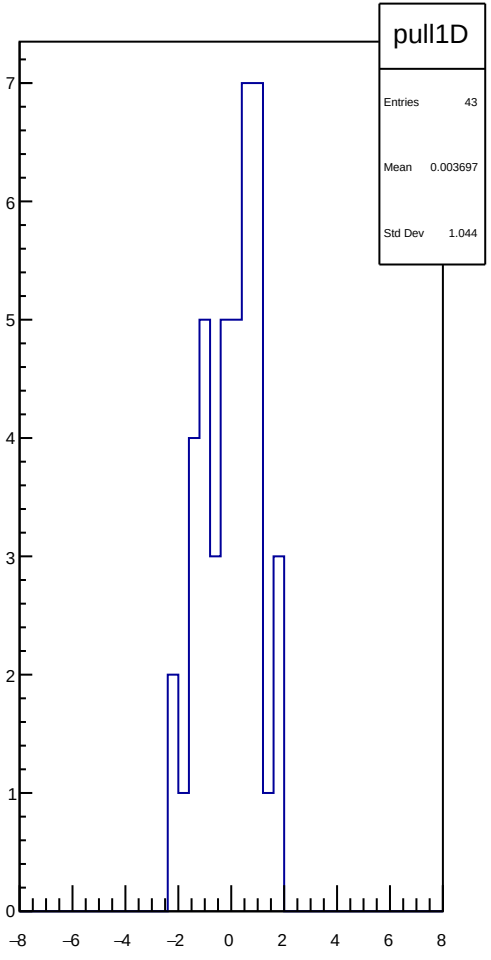

diff_bpm0l04Y_rms vs run
χ² / ndf 626.6 / 42
p0 947.4 ± 1.016
1080
1060
1040
1020
1000
980
960
940
920
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

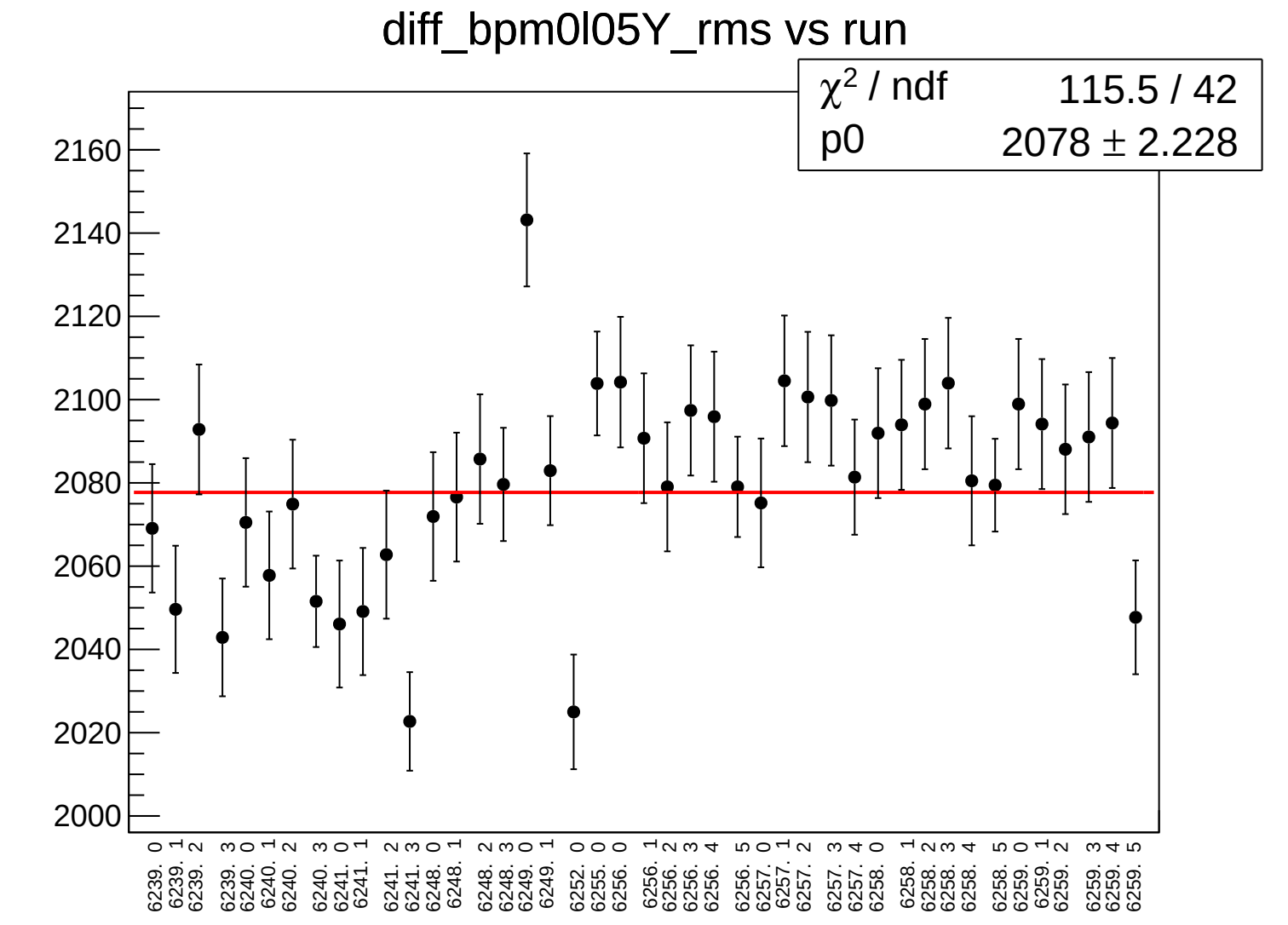

diff_bpm0l05X_mean vs run
$\chi^2$ / ndf 41.2 / 42
p0 0.188 ± 11.05
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 400.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

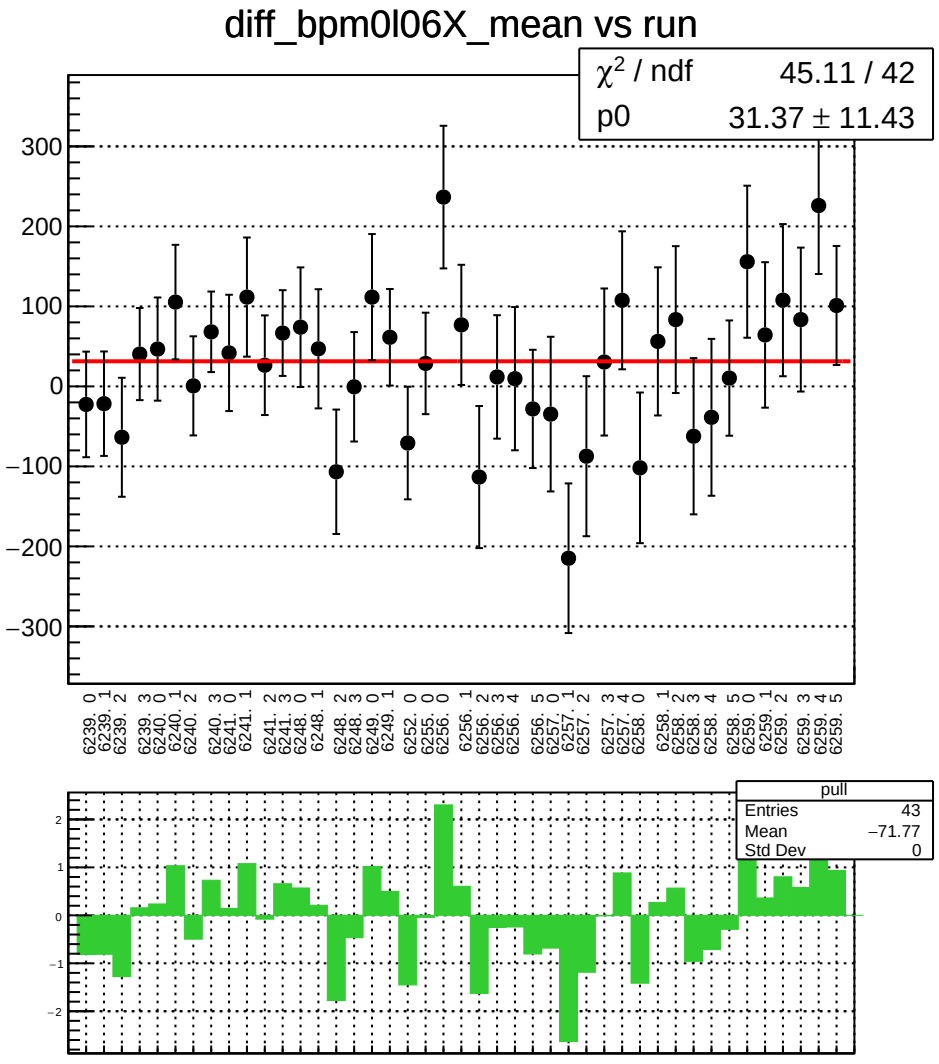

pull1D
Entries 43
Mean 0.003674
Std Dev 0.9788
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

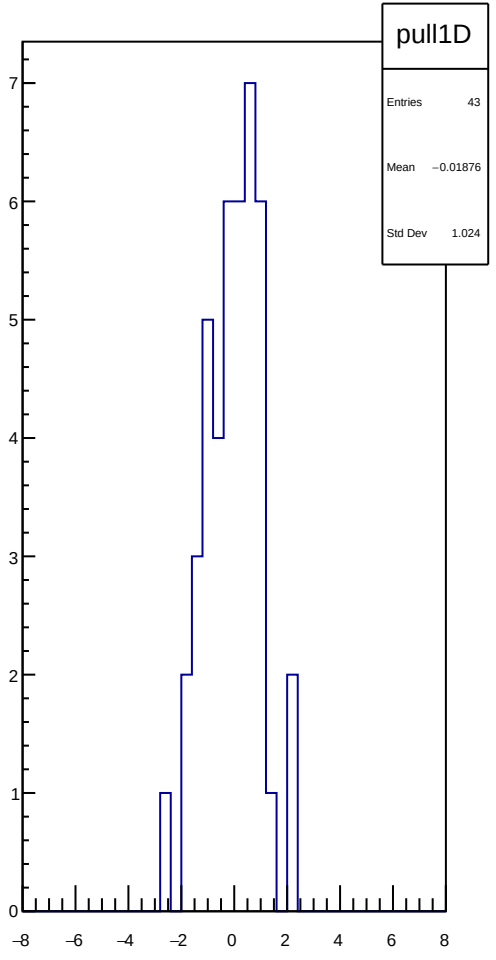

diff_bpm0l05X_rms vs run
χ² / ndf 1.429e+04 / 42
p0 7223 ± 7.81
9000
8500
8000
7500
7000
6500
6000
5500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

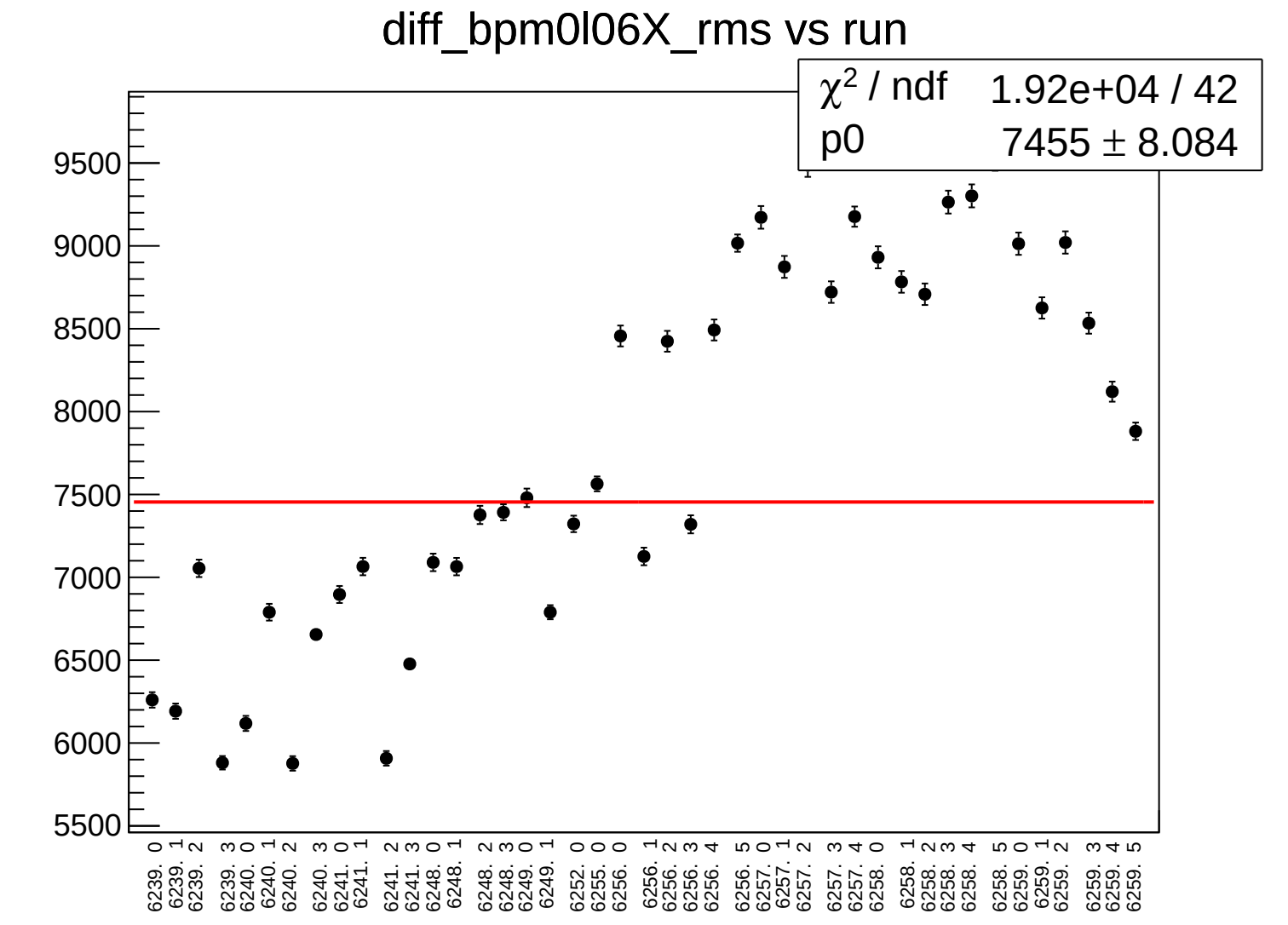

diff_bpm0l05Y_mean vs run
χ² / ndf 46.83 / 42
p0 −10.45 ± 3.151
pull
Entries 43
Mean −590.4
Std Dev 0

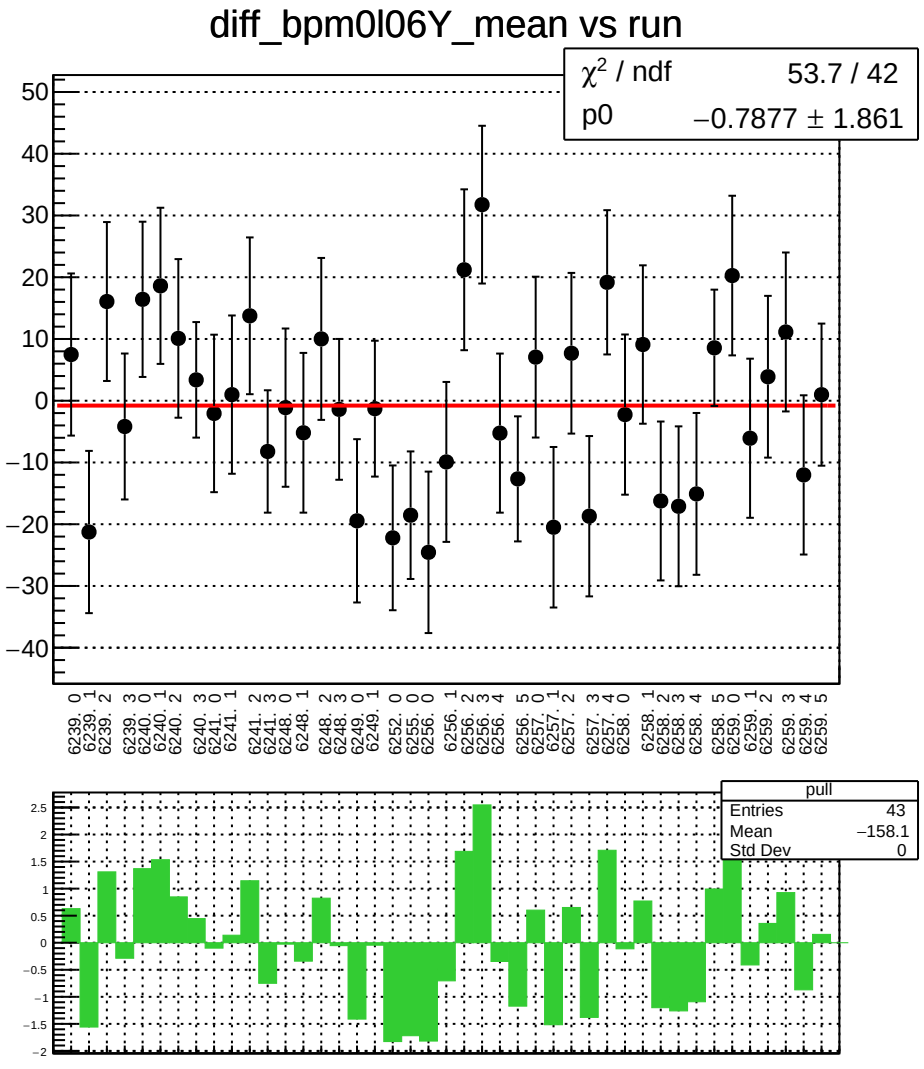

pull1D
Entries 43
Mean 0.003697
Std Dev 1.044

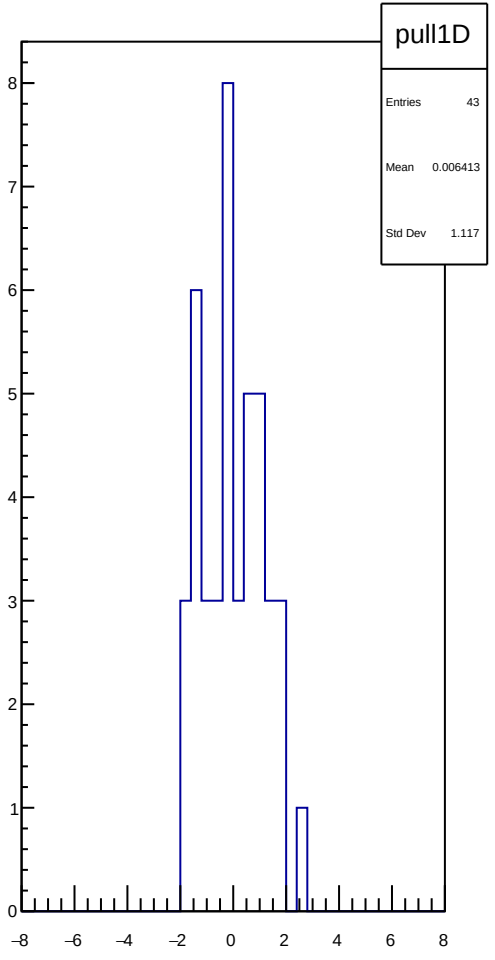

diff_bpm0l05Y_rms vs run
χ² / ndf 115.5 / 42
p0 2078 ± 2.228
2160
2140
2120
2100
2080
2060
2040
2020
2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

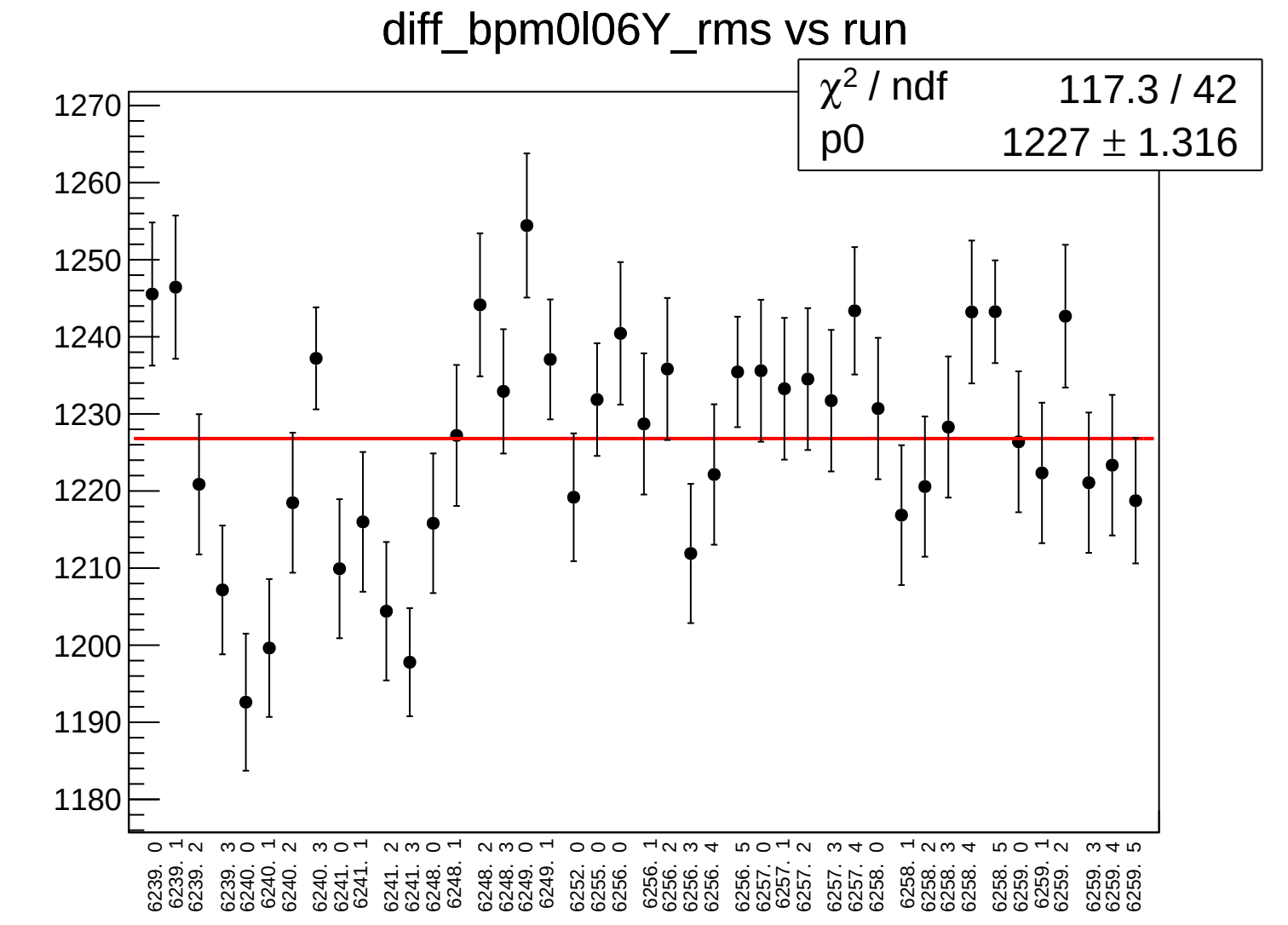

diff_bpm0l06X_mean vs run
$\chi^2$ / ndf 45.11 / 42
p0 31.37 ± 11.43
300
200
100
0
−100
−200
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −71.77
Std Dev 0
2
1
0
−1
−2

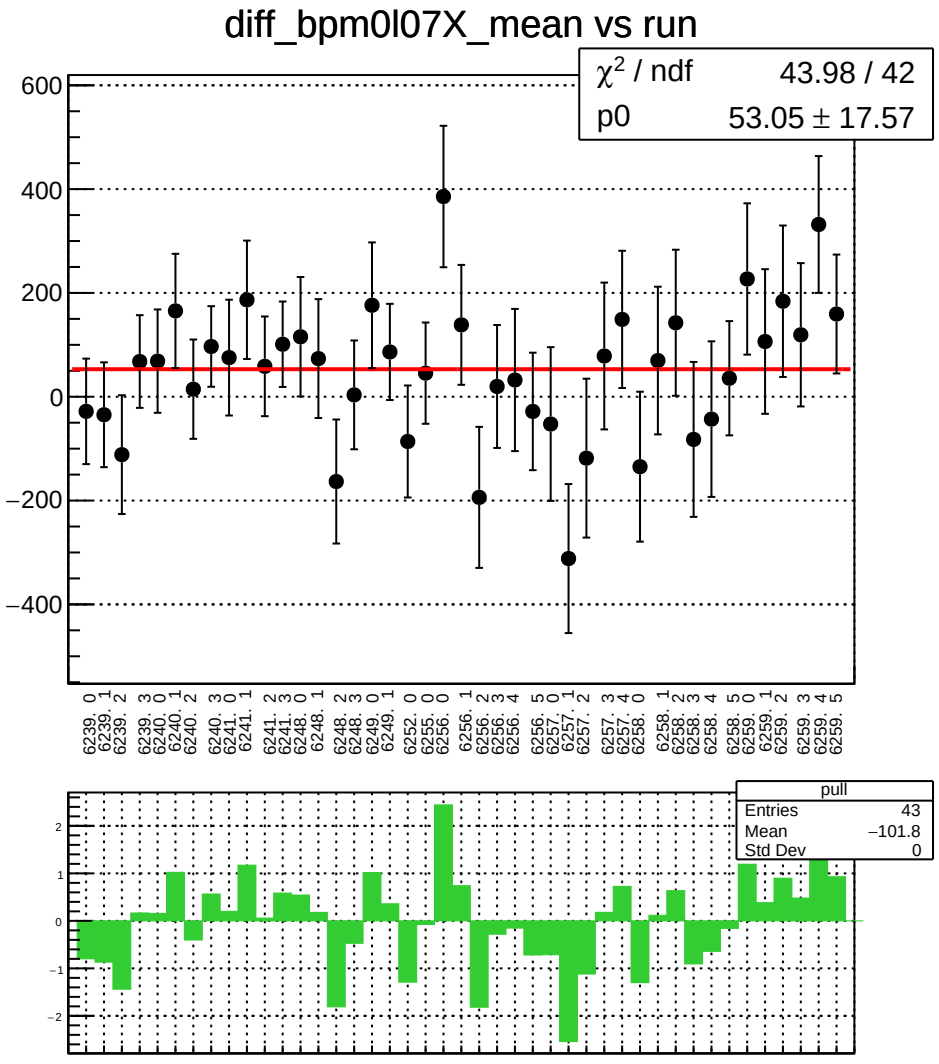

pull1D
Entries 43
Mean −0.01876
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

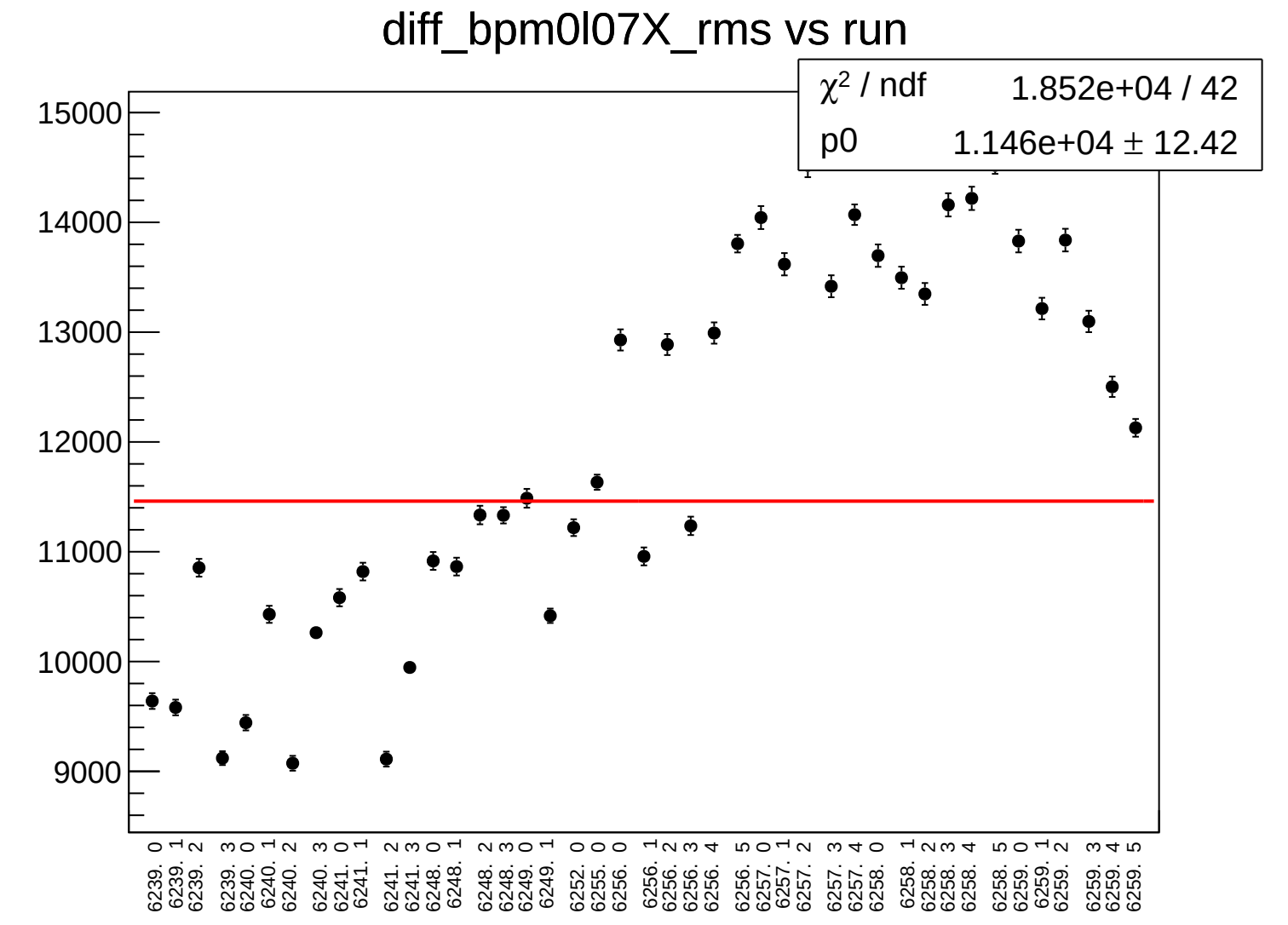

diff_bpm0l06X_rms vs run
χ² / ndf 1.92e+04 / 42
p0 7455 ± 8.084
9500
9000
8500
8000
7500
7000
6500
6000
5500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

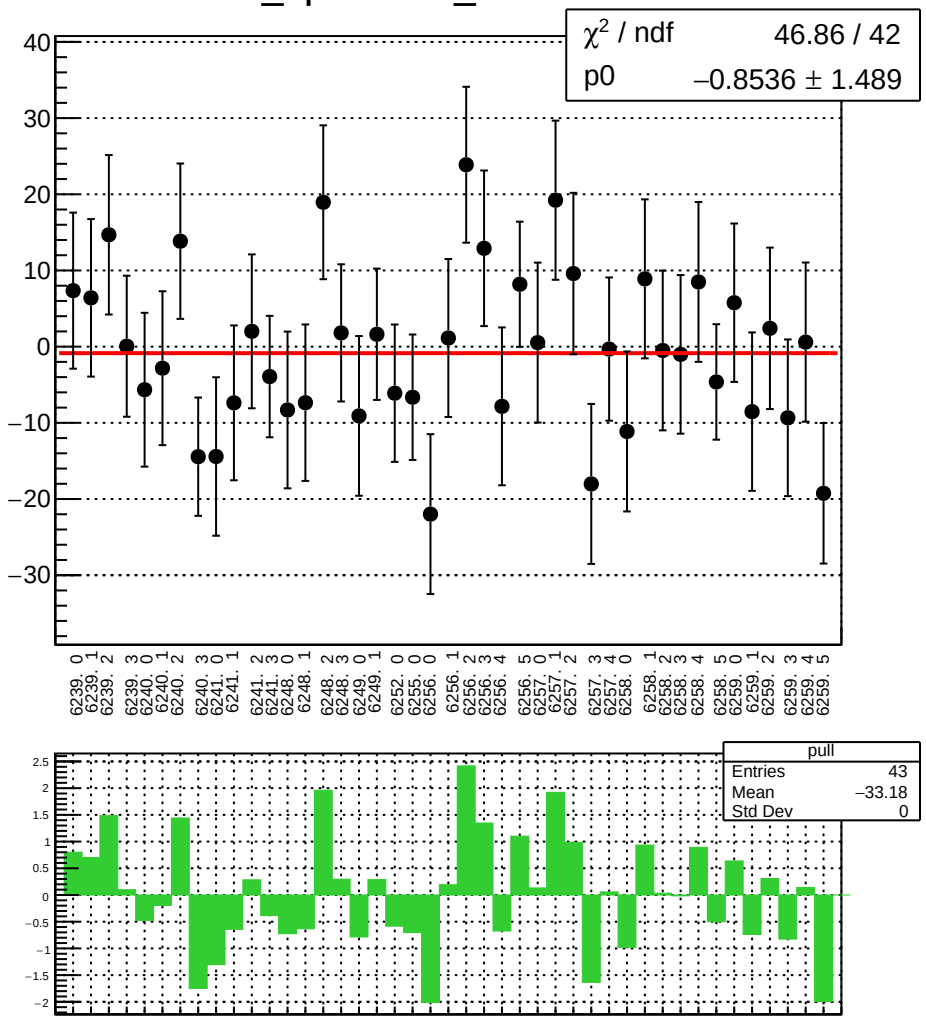

diff_bpm0l06Y_mean vs run
χ² / ndf 53.7 / 42
p0 −0.7877 ± 1.861
pull
Entries 43
Mean −158.1
Std Dev 0

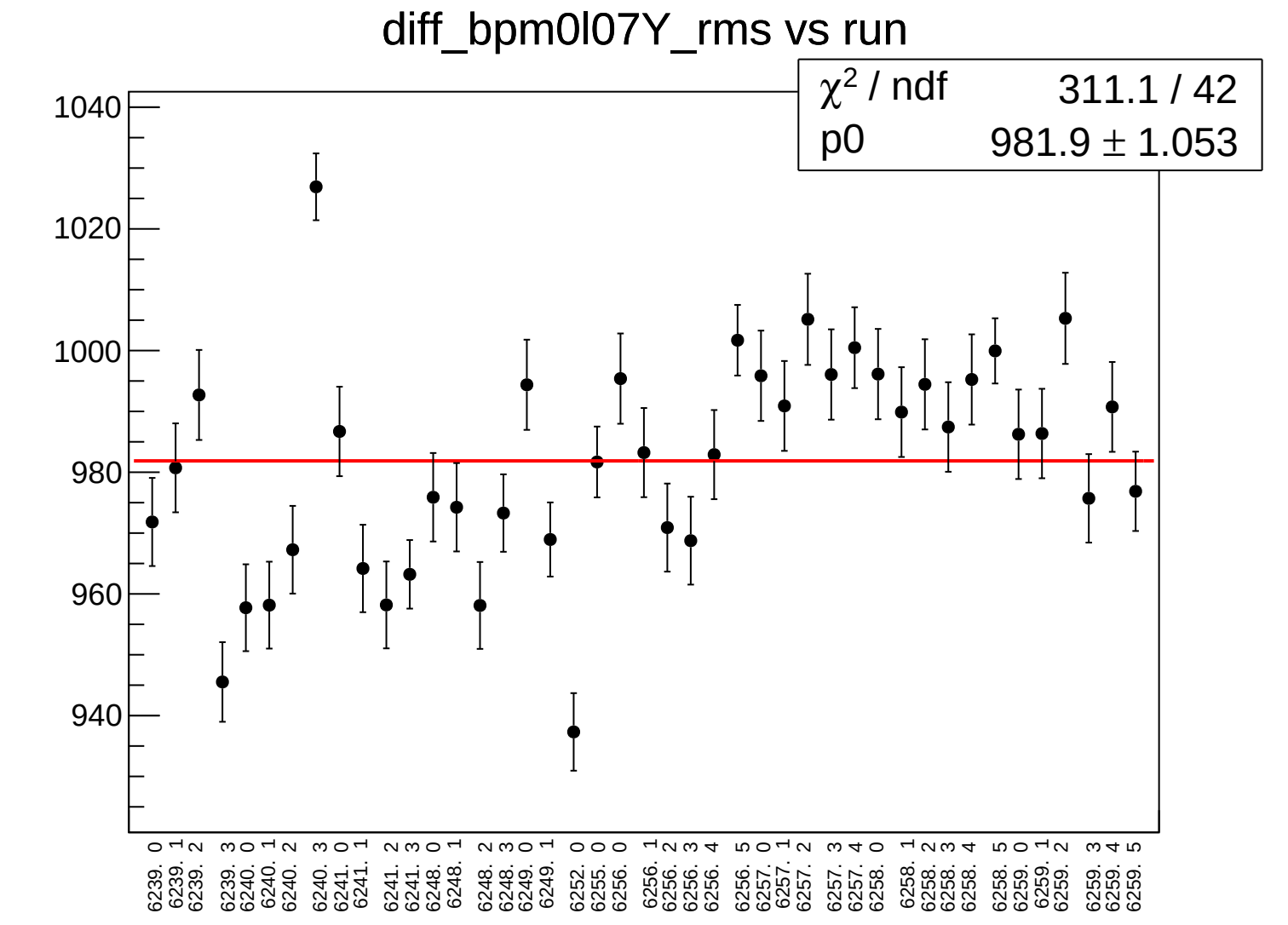

pull1D
Entries 43
Mean 0.006413
Std Dev 1.117

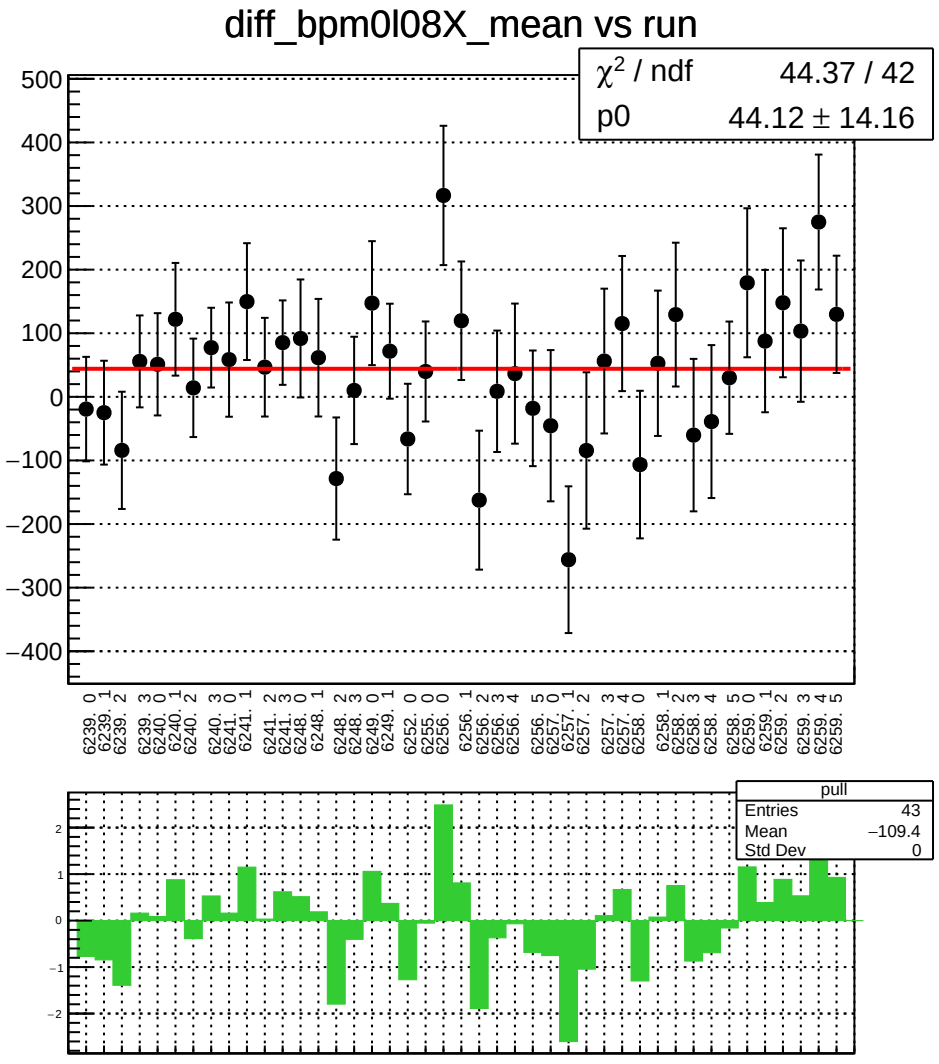

diff_bpm0l06Y_rms vs run
χ² / ndf 117.3 / 42
p0 1227 ± 1.316
1270
1260
1250
1240
1230
1220
1210
1200
1190
1180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

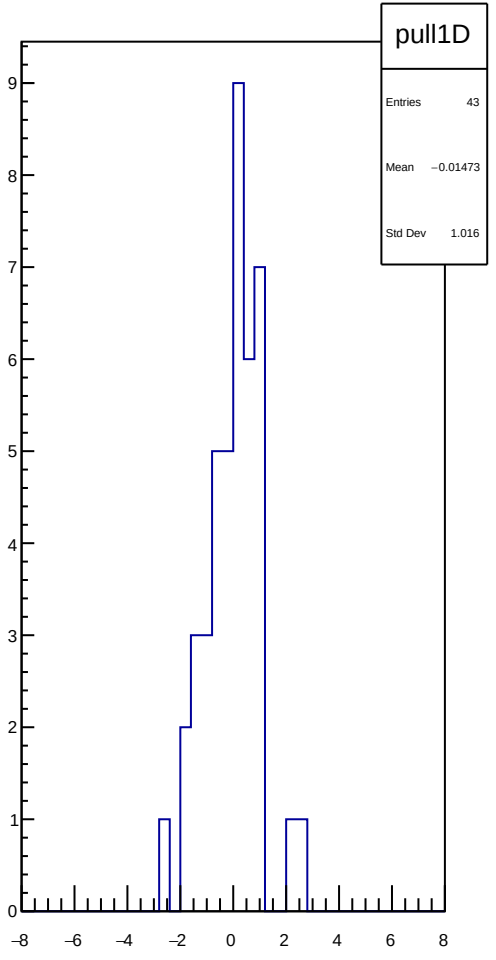

diff_bpm0l07X_mean vs run
χ² / ndf 43.98 / 42
p0 53.05 ± 17.57
600
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −101.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01505
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

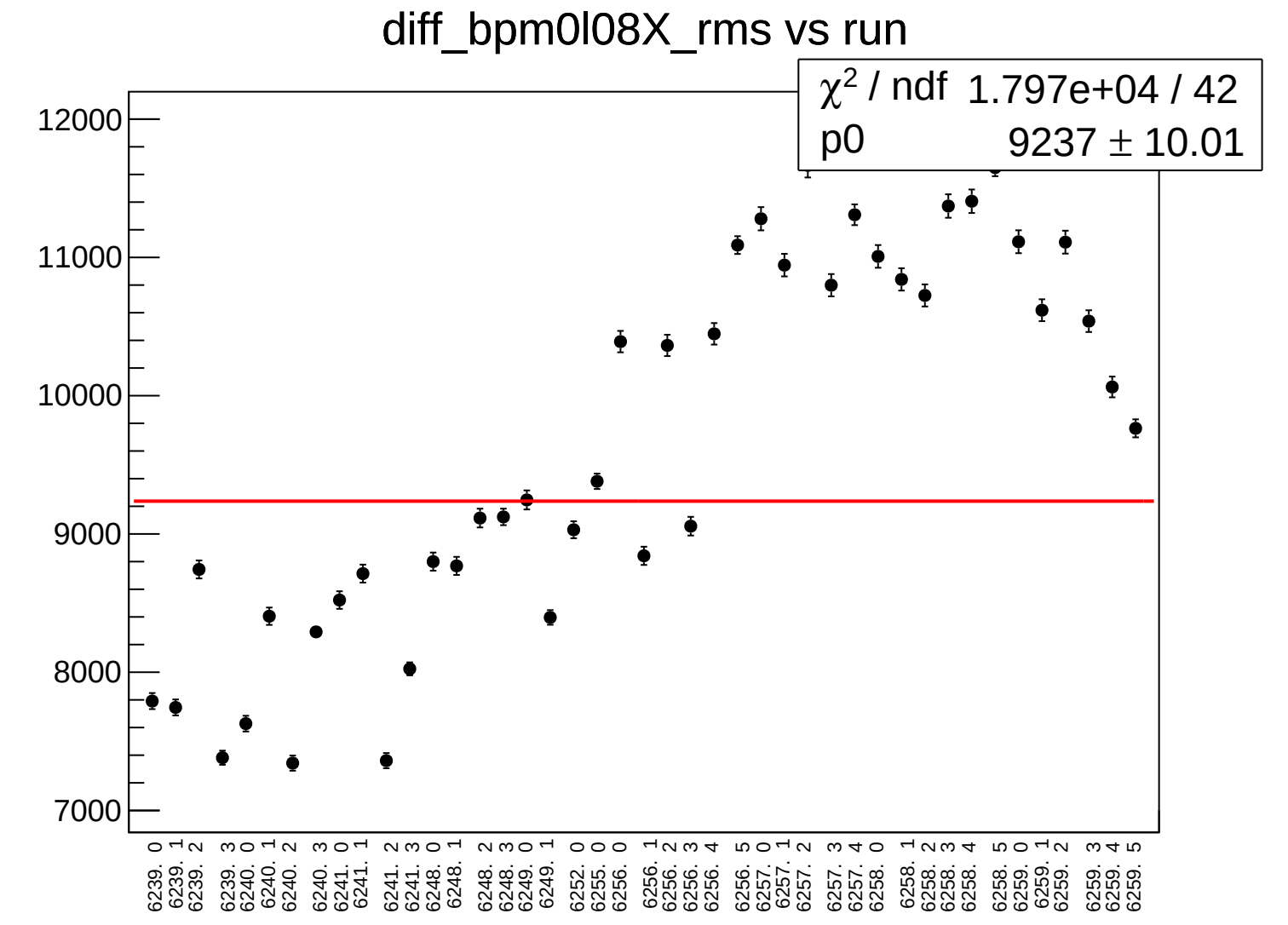

diff_bpm0l07X_rms vs run
χ² / ndf 1.852e+04 / 42
p0 1.146e+04 ± 12.42
15000
14000
13000
12000
11000
10000
9000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

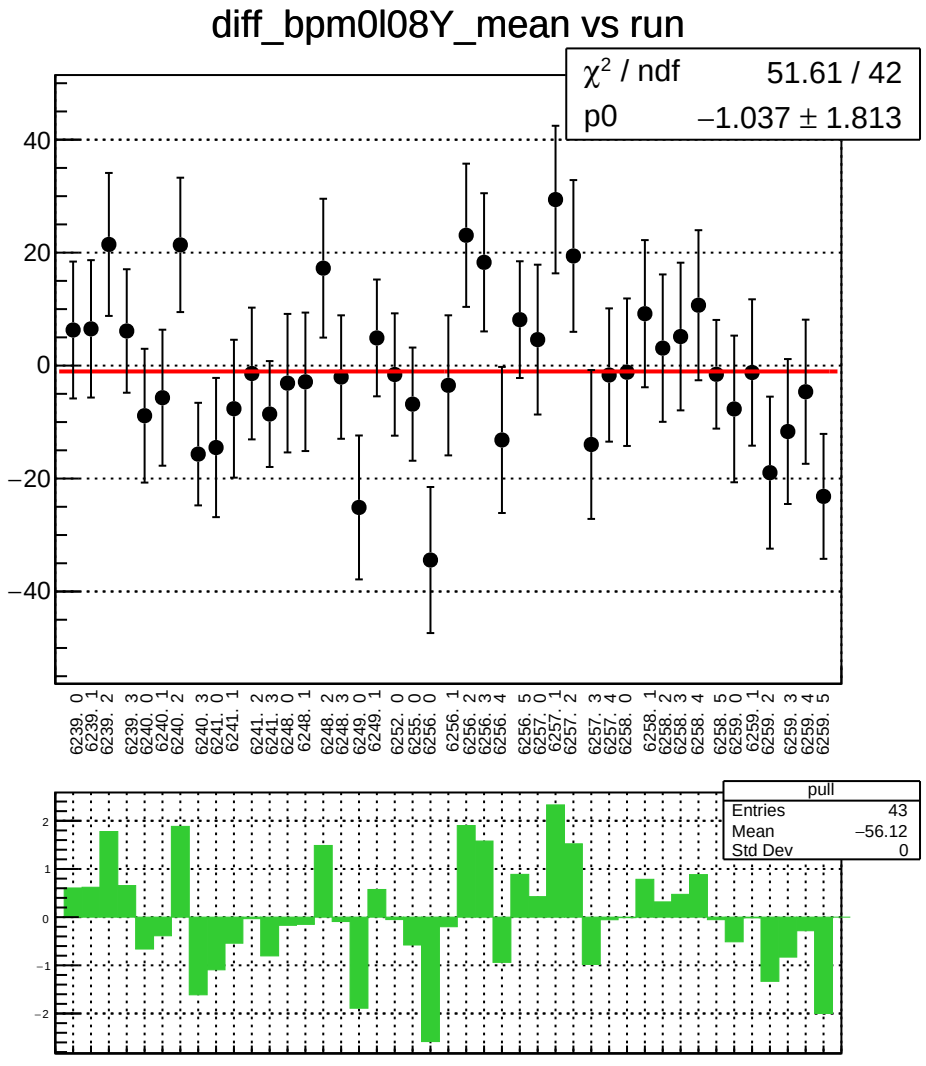

diff_bpm0l07Y_mean vs run
χ² / ndf 46.86 / 42
p0 −0.8536 ± 1.489
pull
Entries 43
Mean −33.18
Std Dev 0
pull1D
Entries 43
Mean 0.02093
Std Dev 1.044

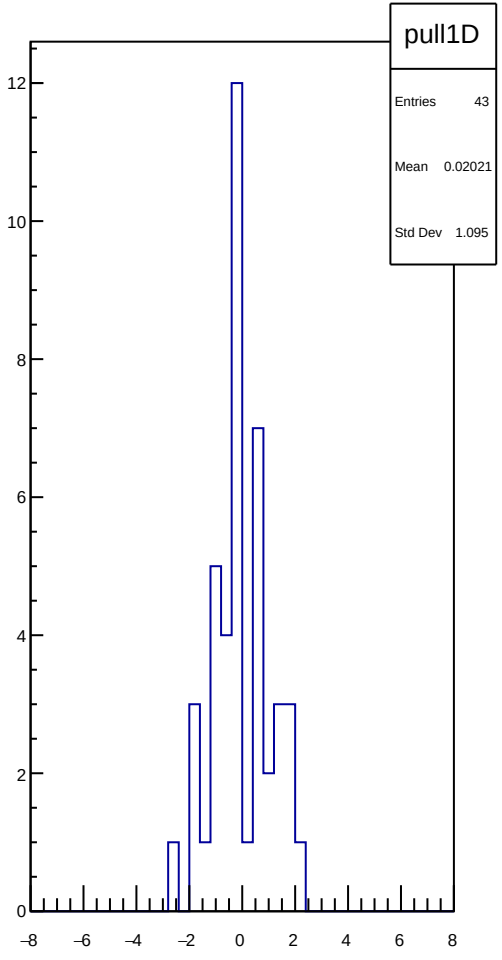

diff_bpm0l07Y_rms vs run
χ² / ndf 311.1 / 42
p0 981.9 ± 1.053
1040
1020
1000
980
960
940
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

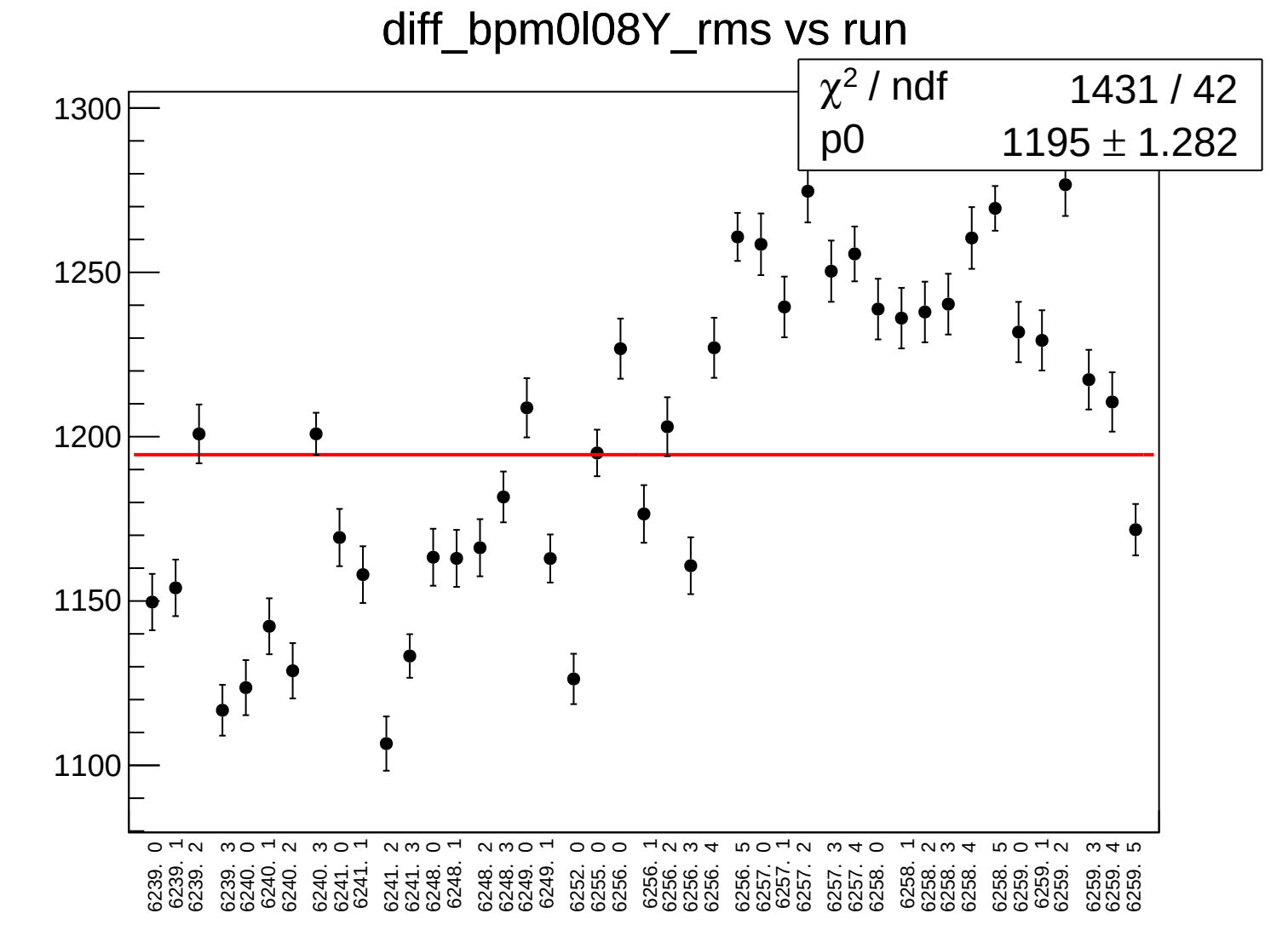

diff_bpm0l08X_mean vs run
χ² / ndf 44.37 / 42
p0 44.12 ± 14.16
pull
Entries 43
Mean −109.4
Std Dev 0

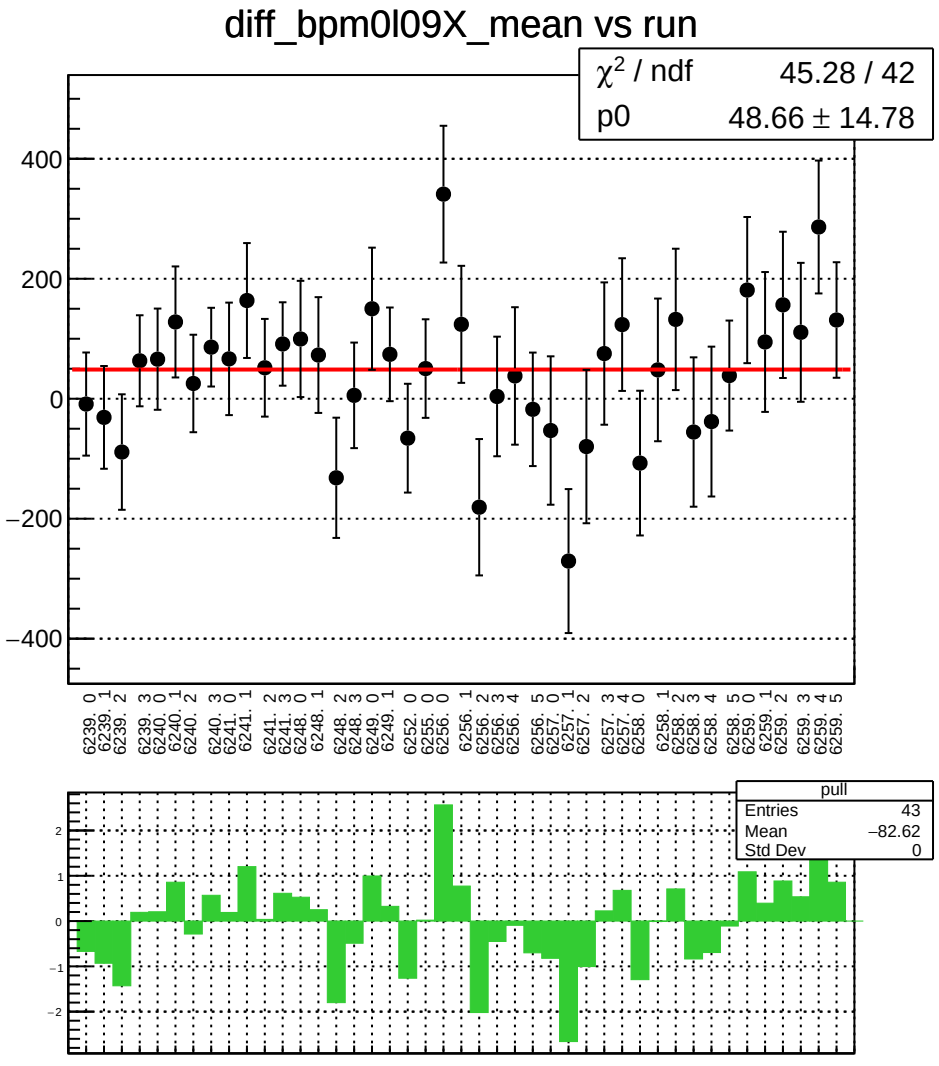

pull1D
Entries 43
Mean −0.01473
Std Dev 1.016

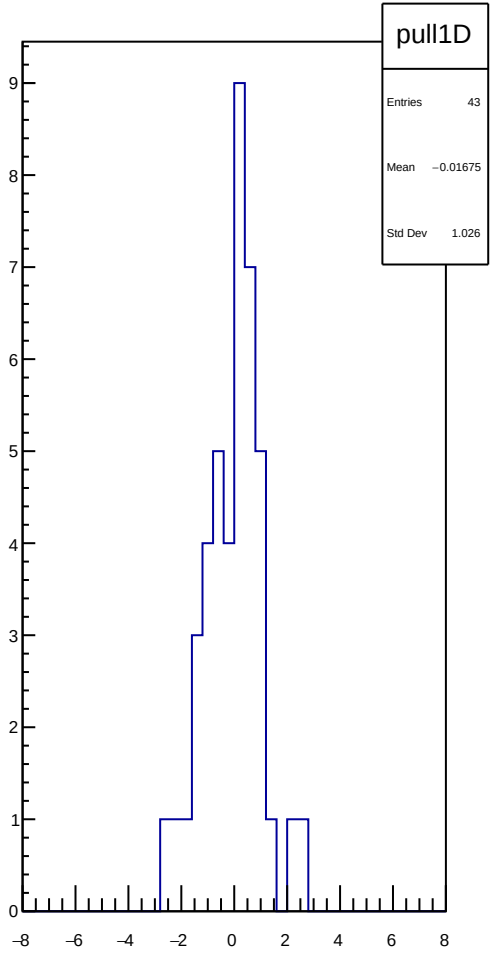

diff_bpm0l08X_rms vs run
χ² / ndf 1.797e+04 / 42
p0 9237 ± 10.01
12000
11000
10000
9000
8000
7000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

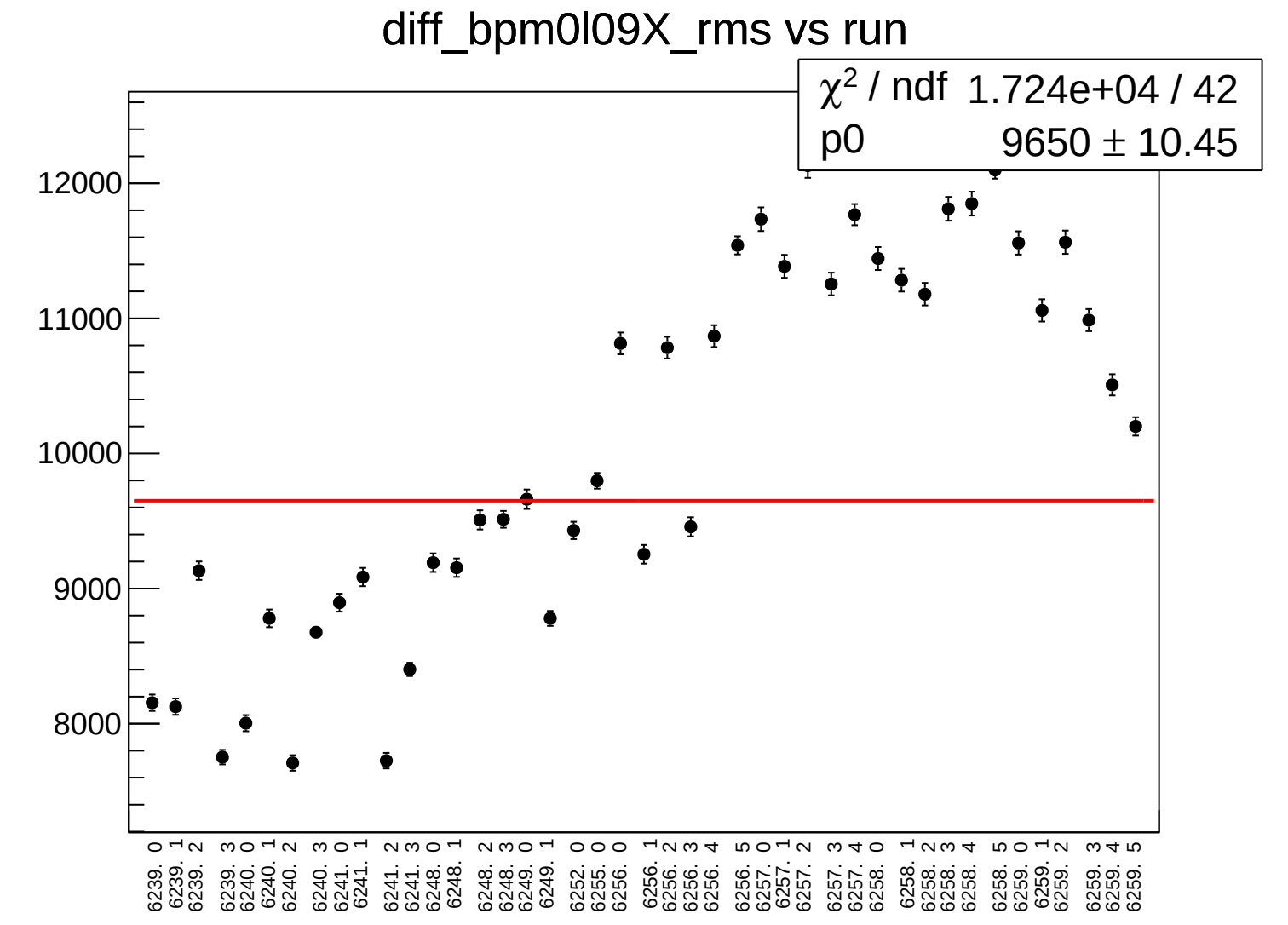

diff_bpm0l08Y_mean vs run
χ² / ndf 51.61 / 42
p0 −1.037 ± 1.813
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −56.12
Std Dev 0
2
1
0
−1
−2

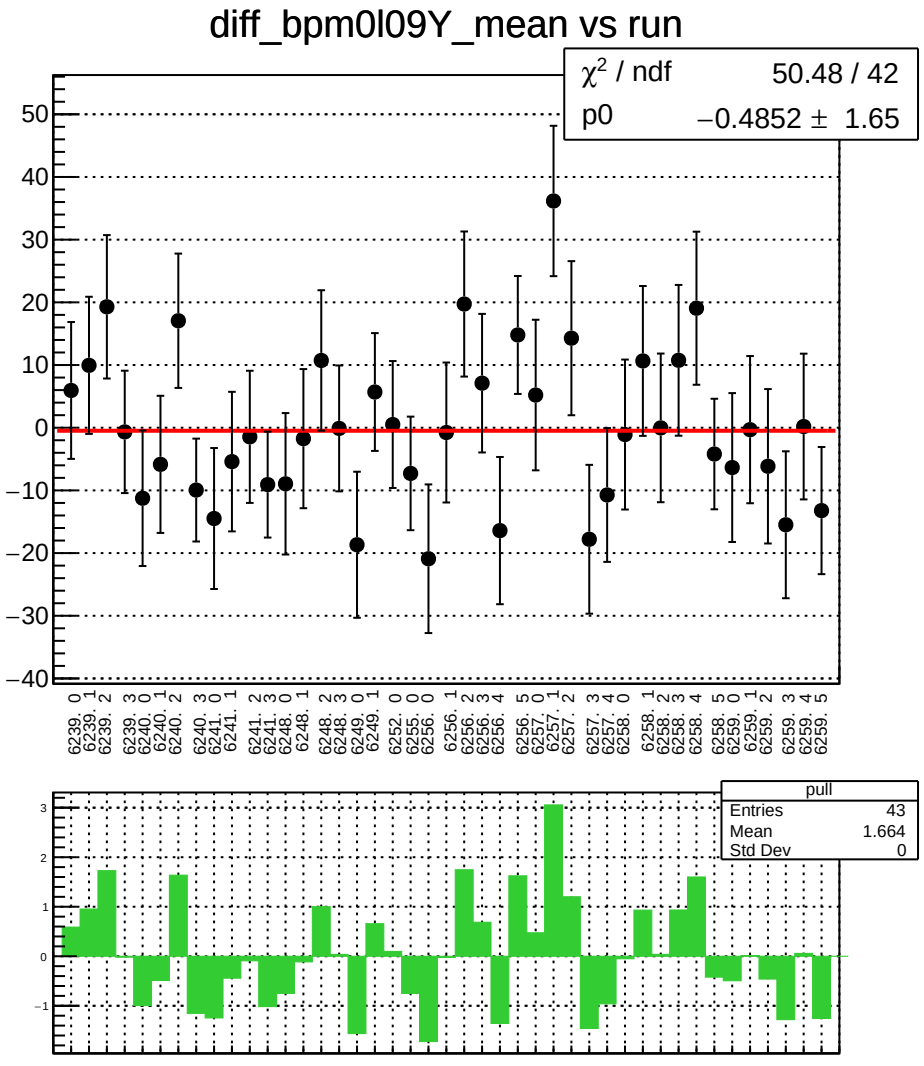

pull1D
Entries 43
Mean 0.02021
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

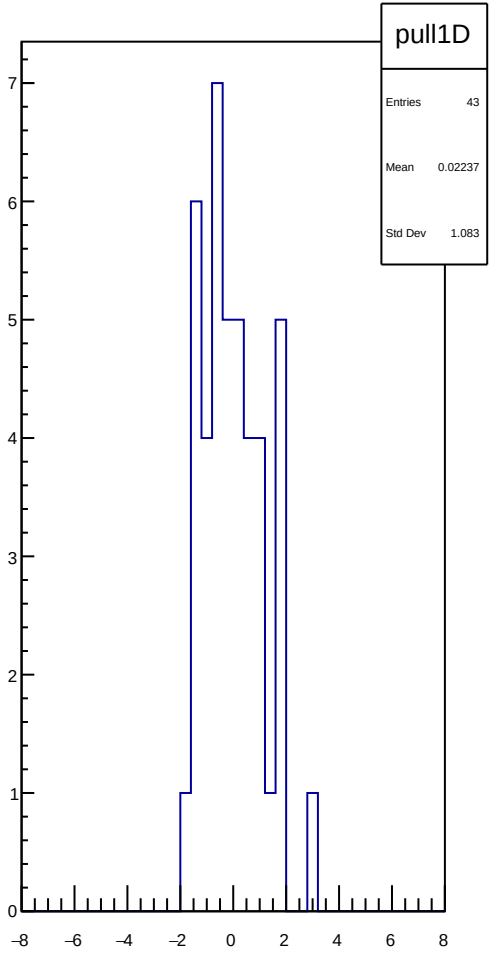

diff_bpm0l08Y_rms vs run
χ² / ndf 1431 / 42
p0 1195 ± 1.282
1300
1250
1200
1150
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

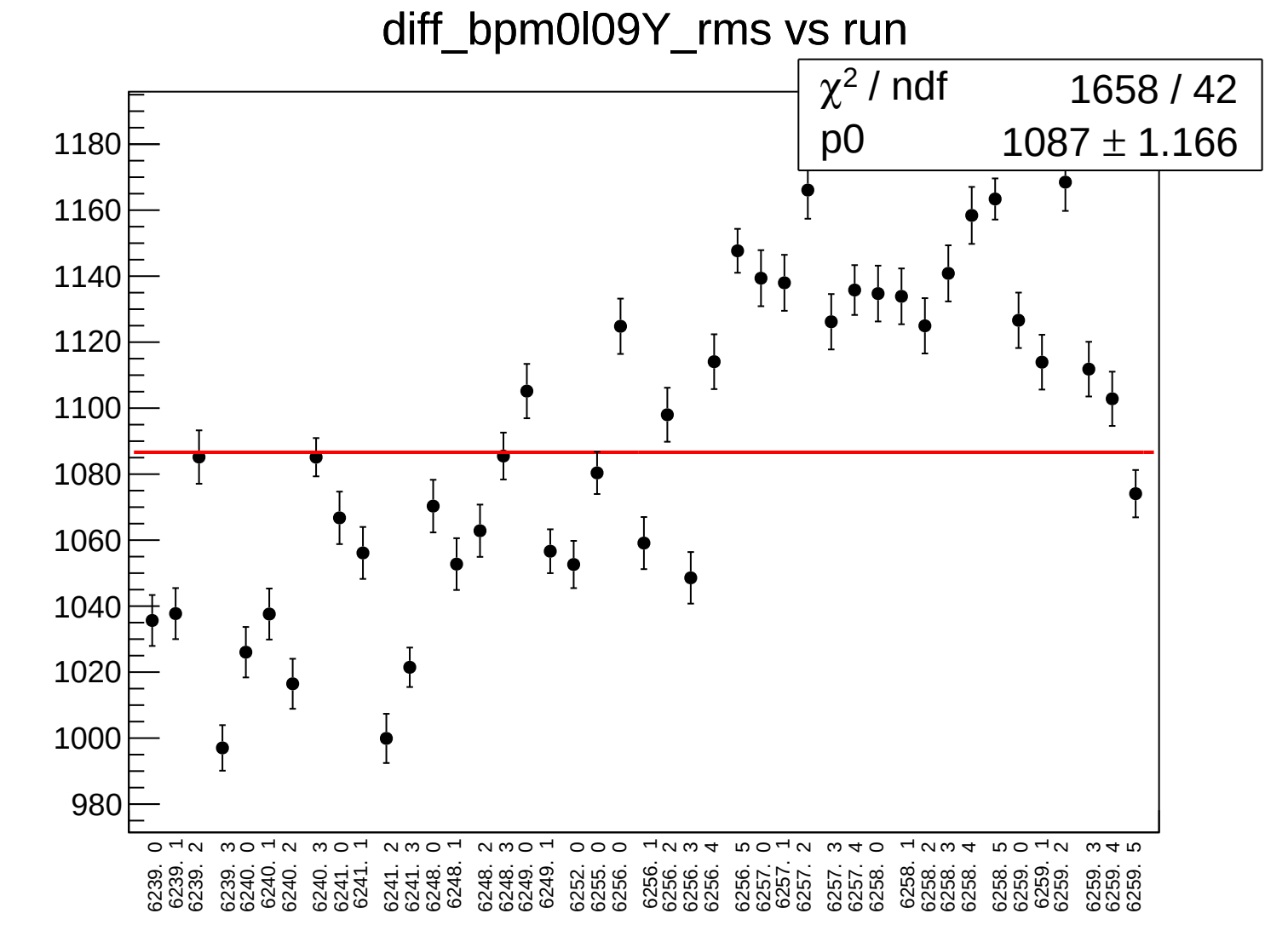

diff_bpm0l09X_mean vs run
χ² / ndf 45.28 / 42
p0 48.66 ± 14.78
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −82.62
Std Dev 0
2
1
0
−1
−2

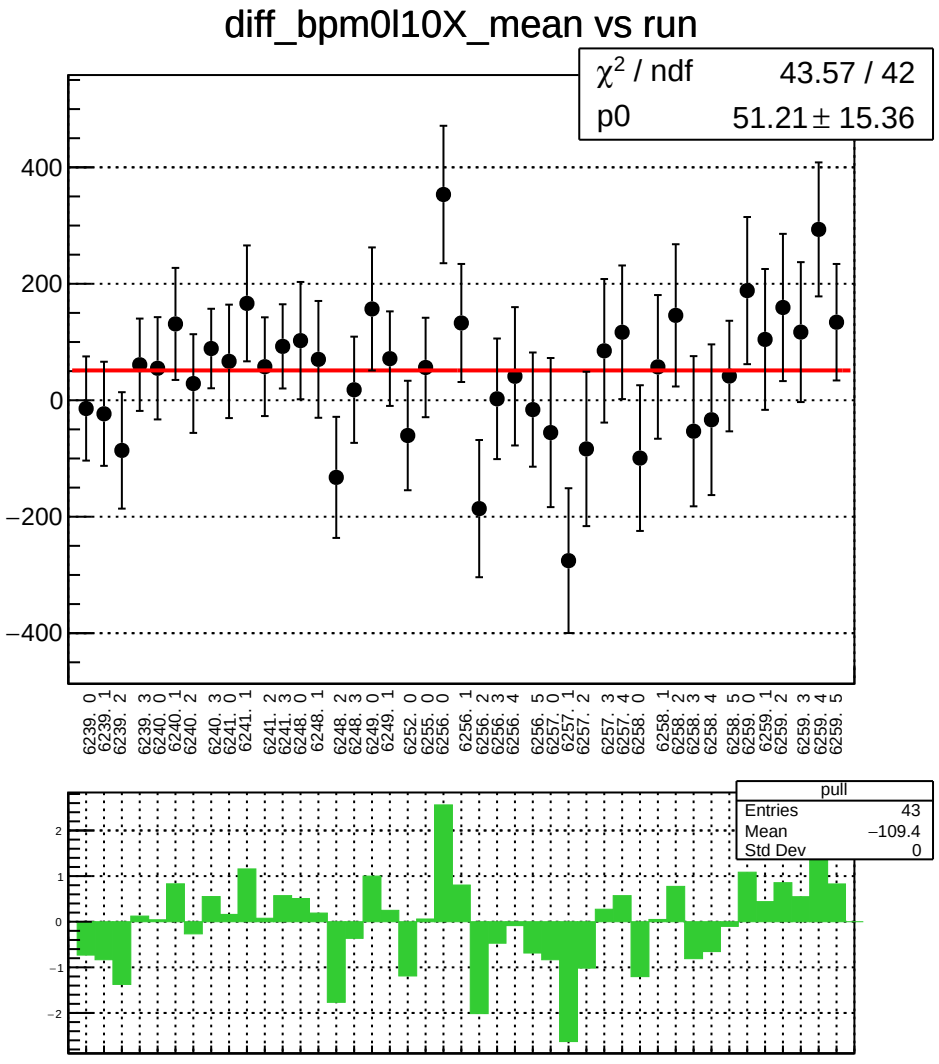

pull1D
Entries 43
Mean −0.01675
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

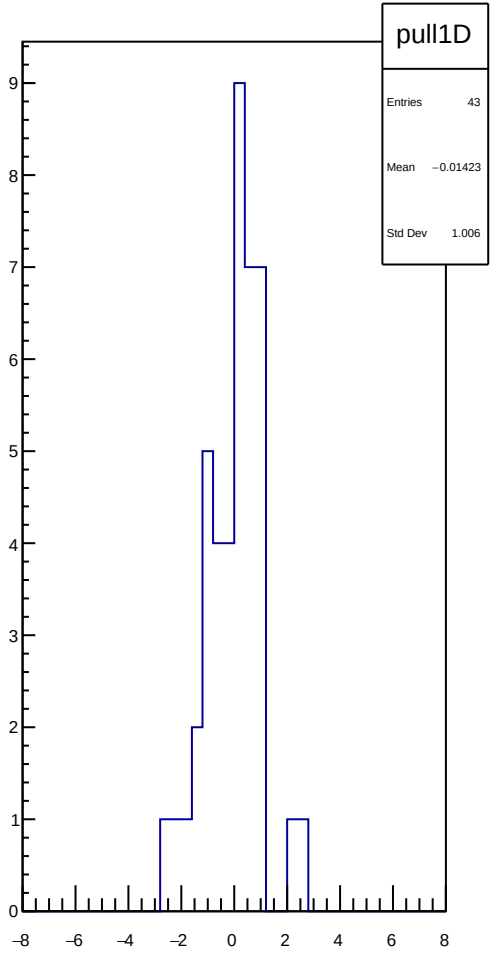

diff_bpm0l09X_rms vs run
χ² / ndf 1.724e+04 / 42
p0 9650 ± 10.45
12000
11000
10000
9000
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

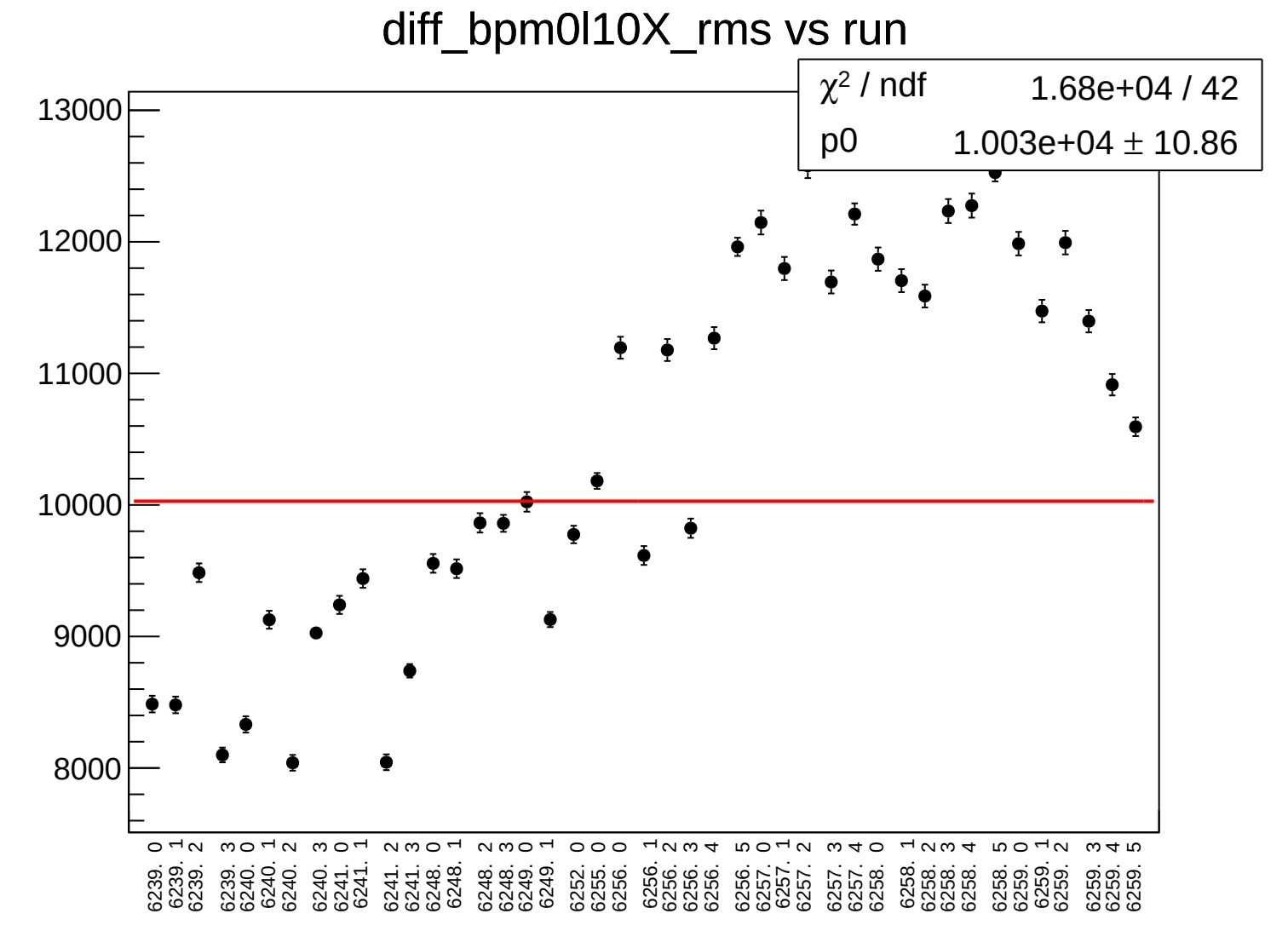

diff_bpm0l09Y_mean vs run
χ² / ndf 50.48 / 42
p0 −0.4852 ± 1.65
pull
Entries 43
Mean 1.664
Std Dev 0

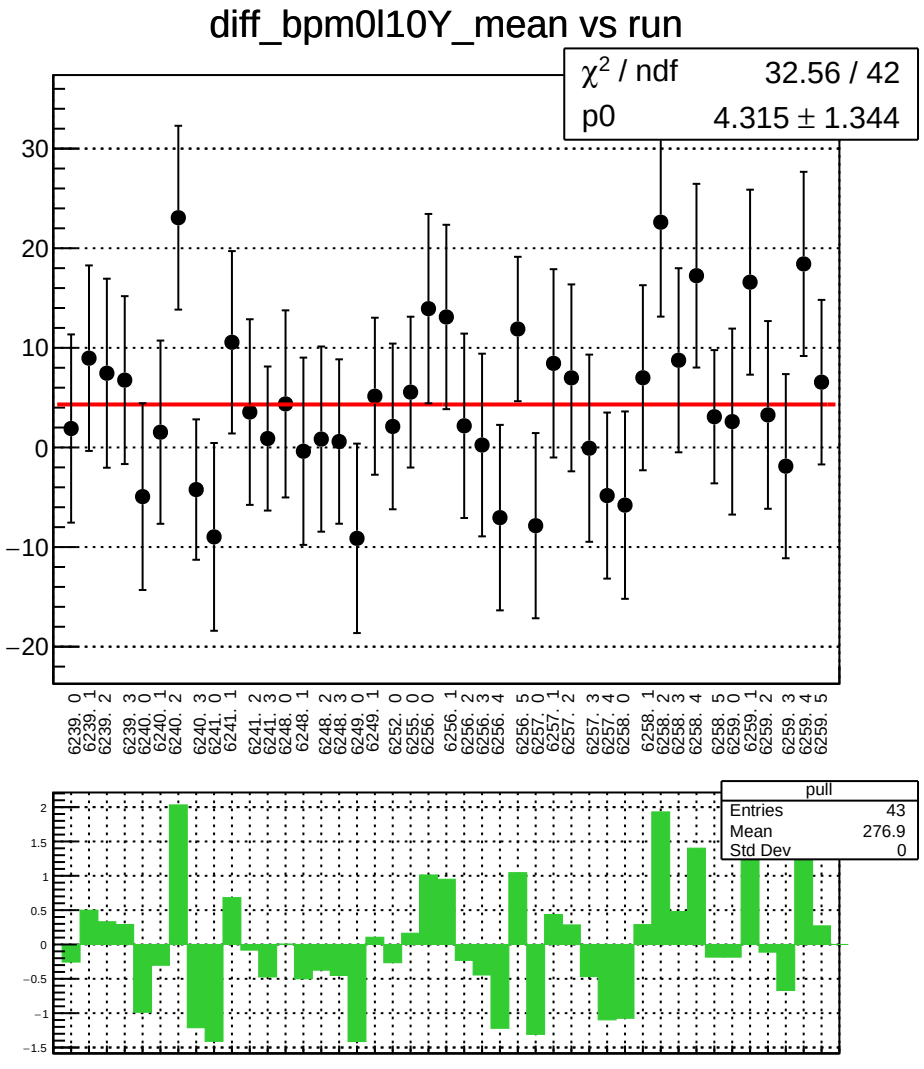

pull1D
Entries 43
Mean 0.02237
Std Dev 1.083

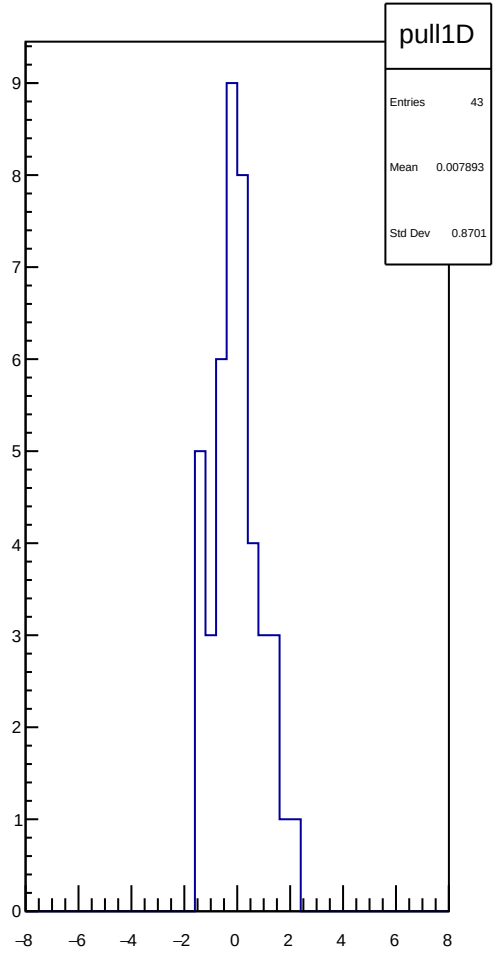

diff_bpm0l09Y_rms vs run
χ² / ndf 1658 / 42
p0 1087 ± 1.166
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

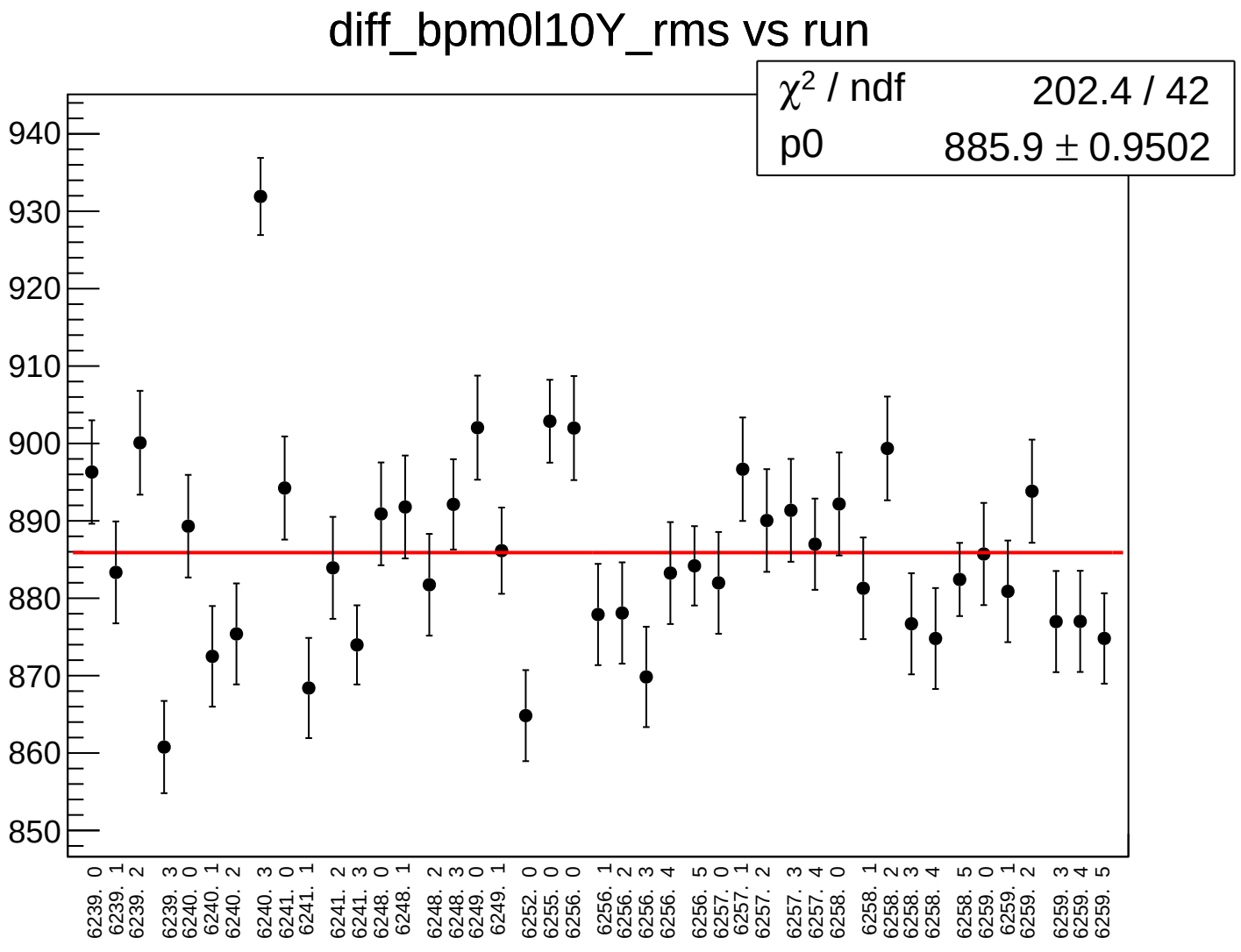

diff_bpm0l10X_mean vs run
χ² / ndf 43.57 / 42
p0 51.21 ± 15.36
400
200
0
−200
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −109.4
Std Dev 0
2
1
0
−1
−2

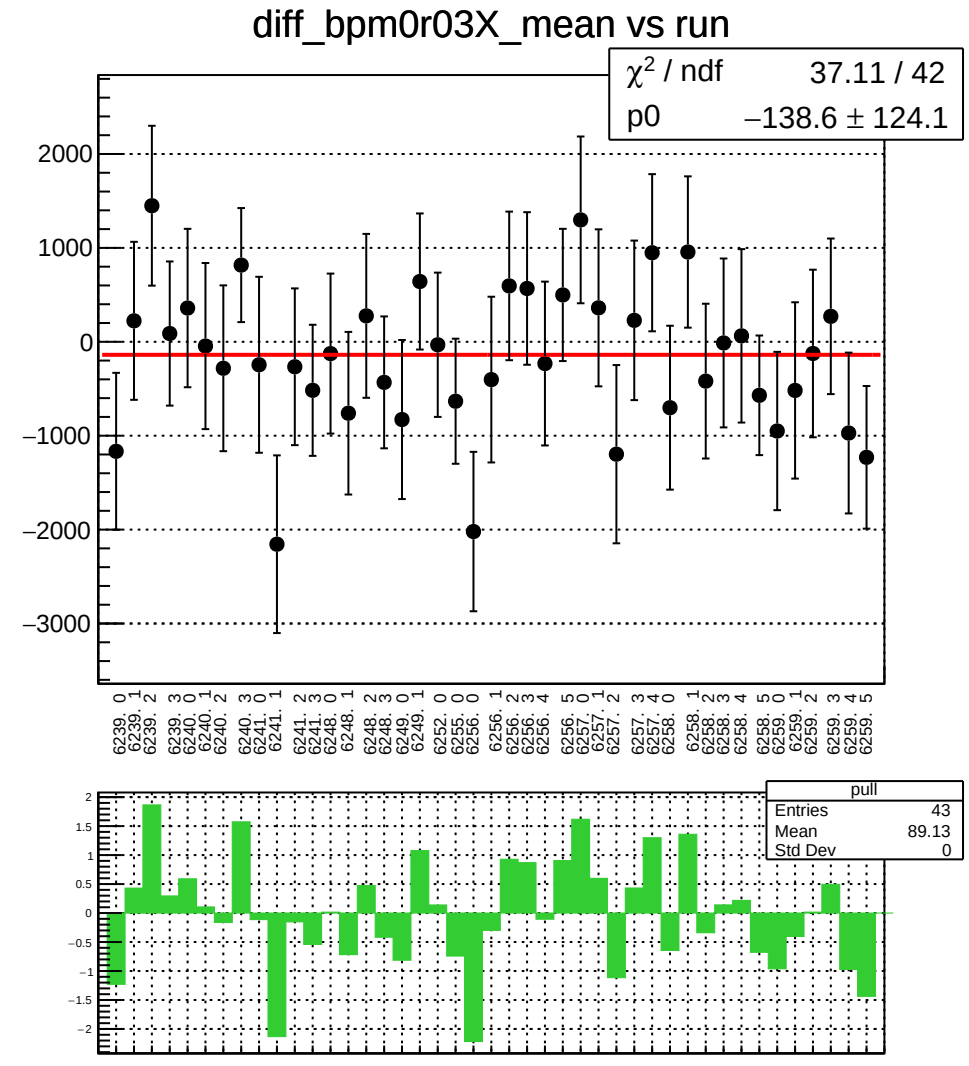

pull1D
Entries 43
Mean −0.01423
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

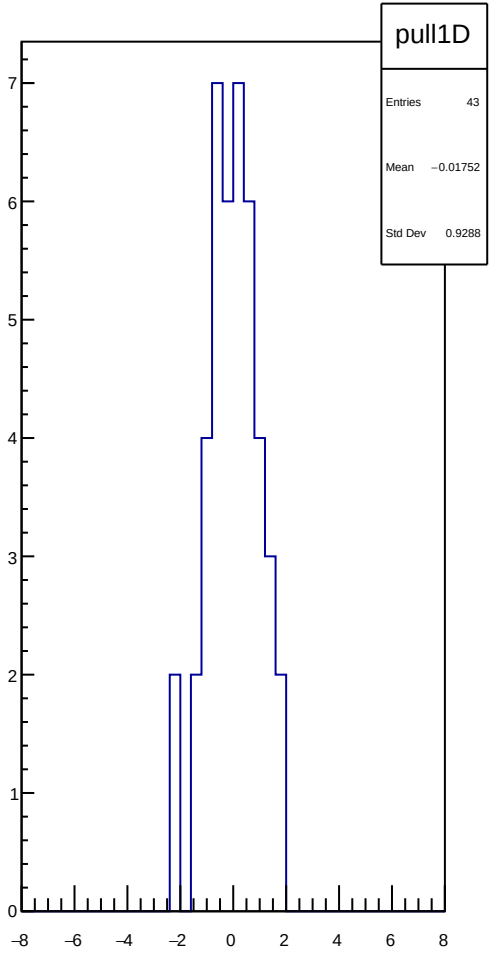

diff_bpm0l10X_rms vs run
χ² / ndf 1.68e+04 / 42
p0 1.003e+04 ± 10.86
13000
12000
11000
10000
9000
8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

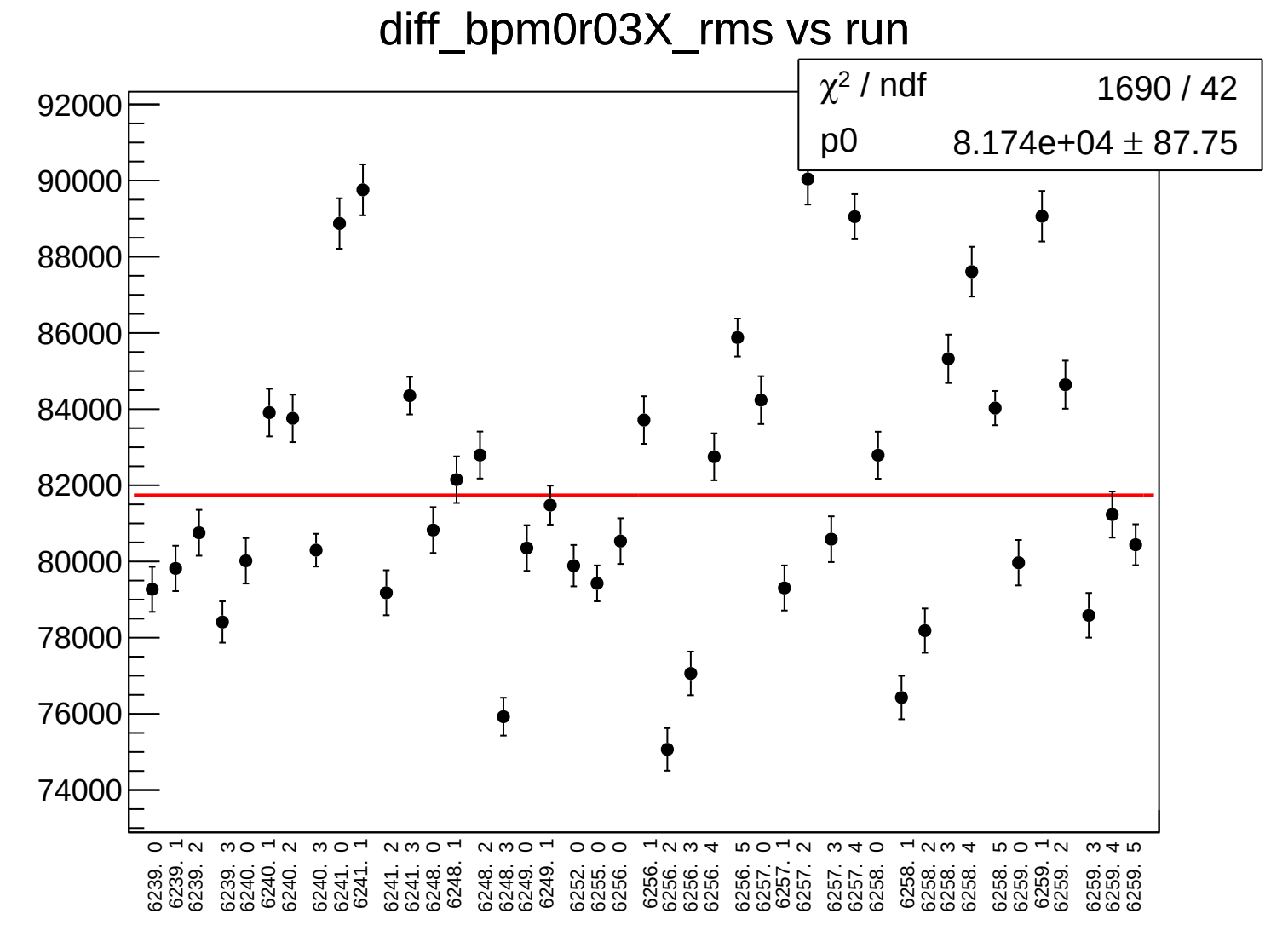

diff_bpm0l10Y_mean vs run
χ² / ndf 32.56 / 42
p0 4.315 ± 1.344
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 276.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

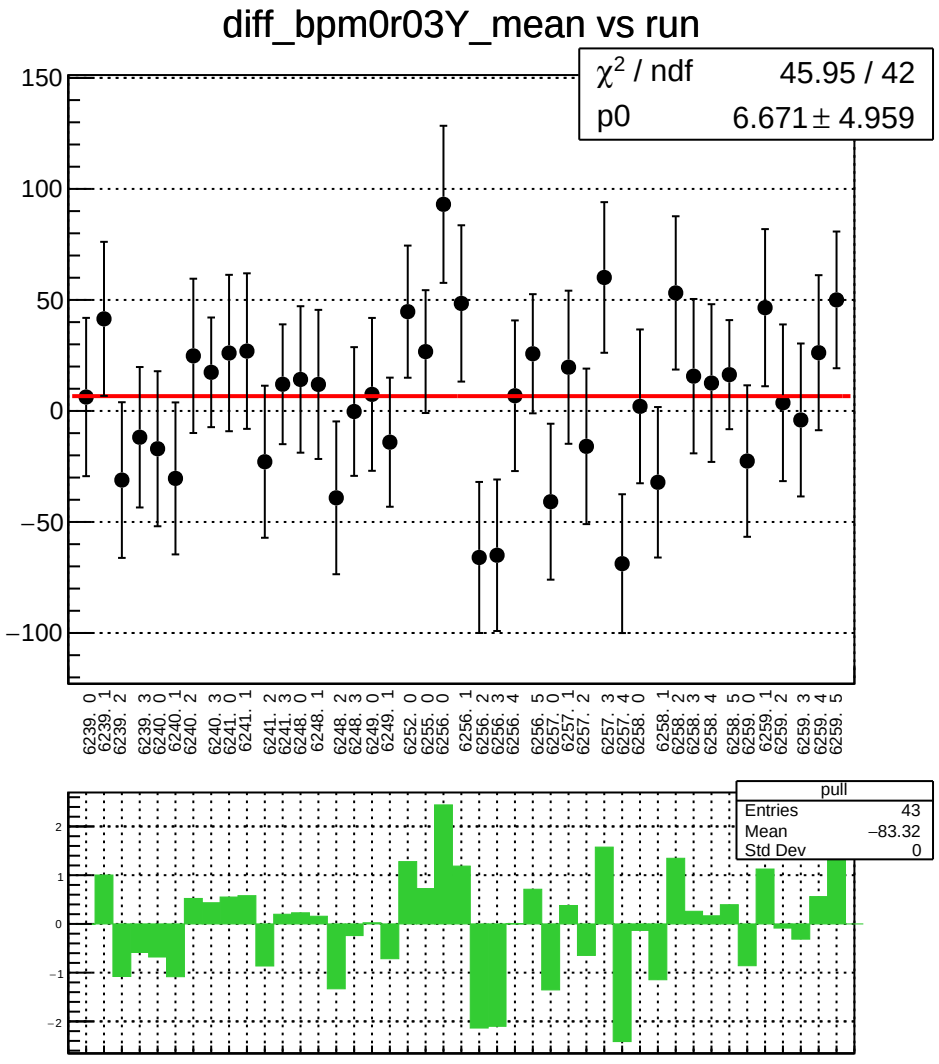

pull1D
Entries 43
Mean 0.007893
Std Dev 0.8701
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

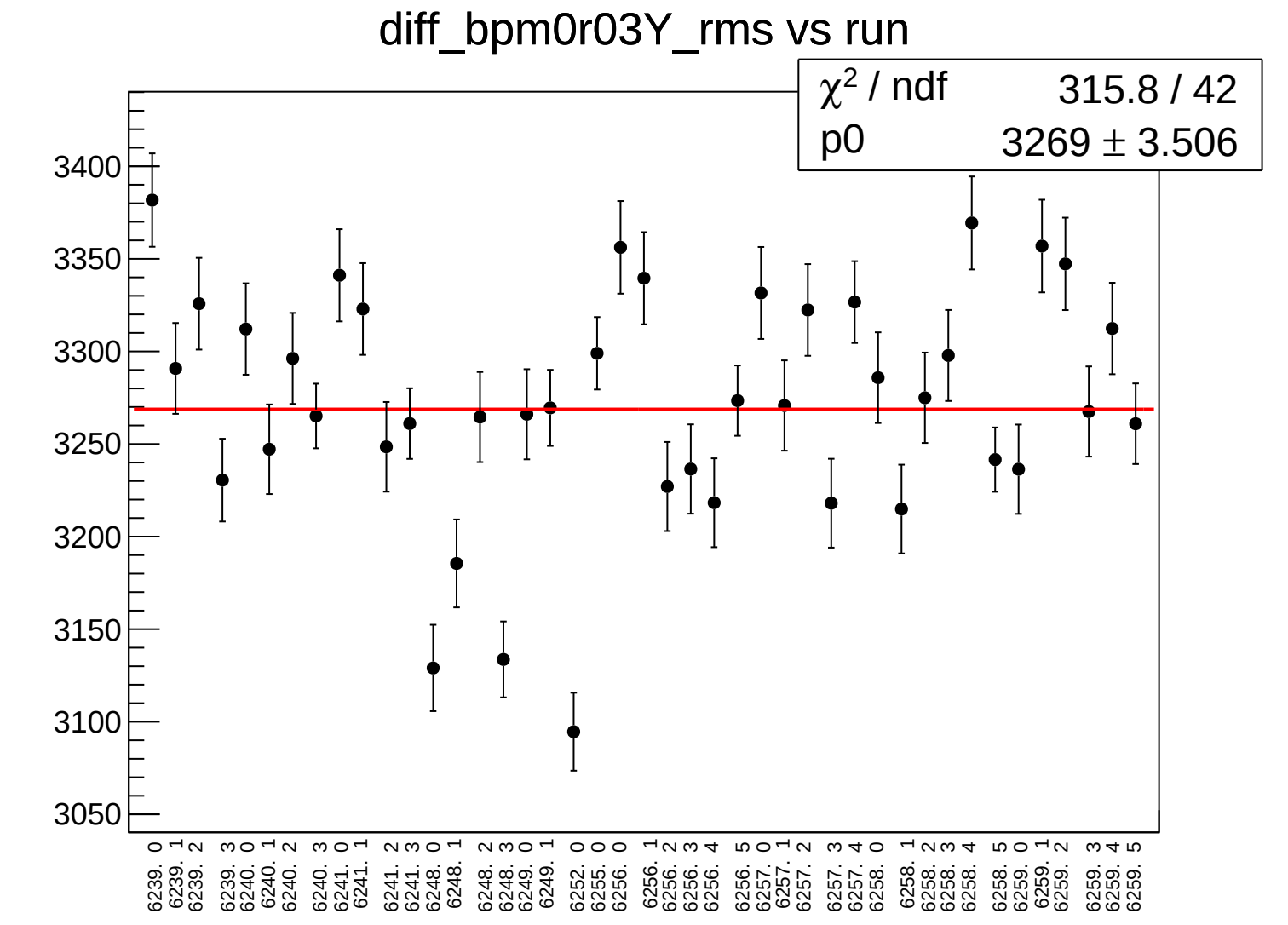

diff_bpm0l10Y_rms vs run
χ² / ndf 202.4 / 42
p0 885.9 ± 0.9502
940
930
920
910
900
890
880
870
860
850
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

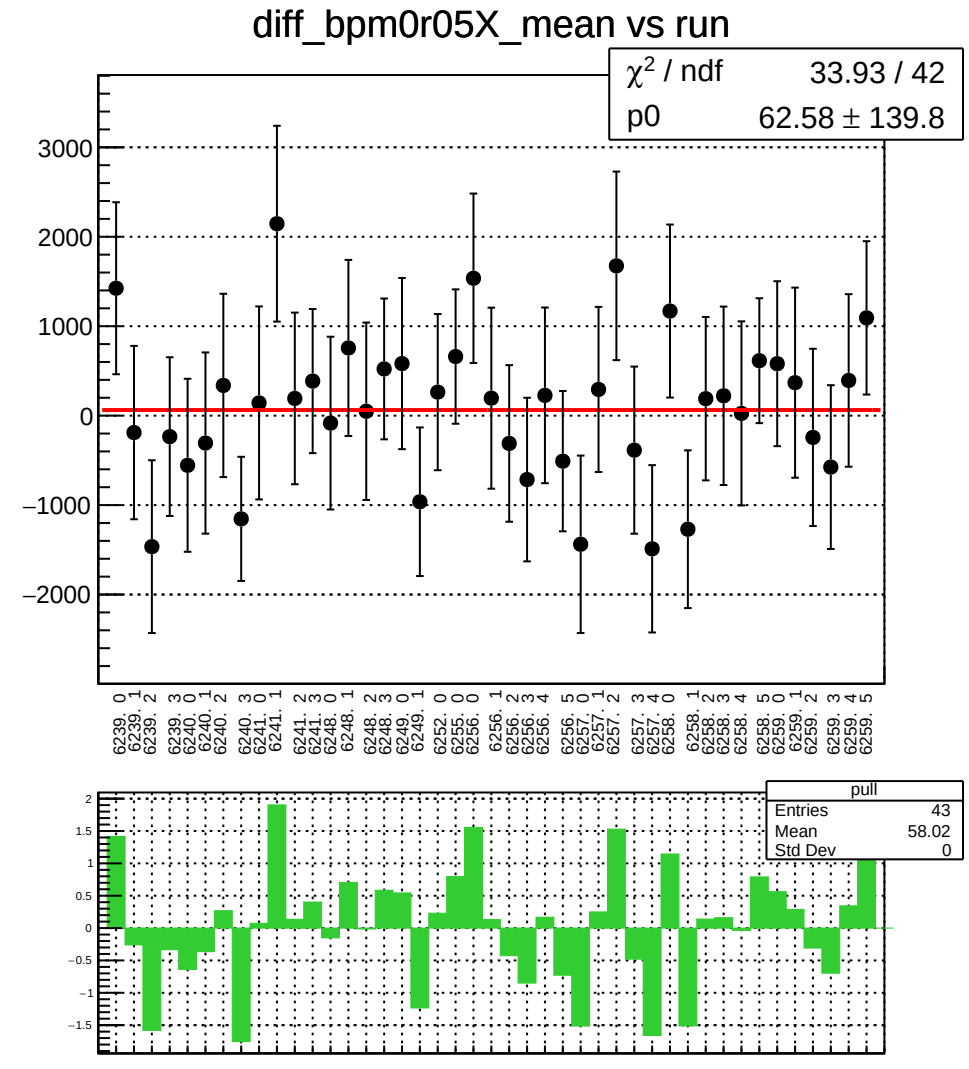

diff_bpm0r03X_mean vs run
χ² / ndf 37.11 / 42
p0 −138.6 ± 124.1
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

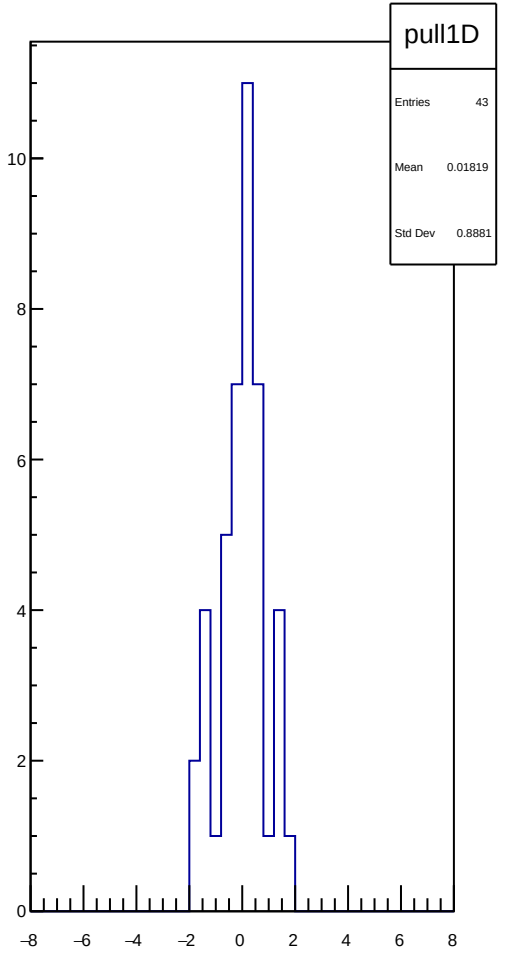

pull1D
Entries 43
Mean −0.01752
Std Dev 0.9288
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

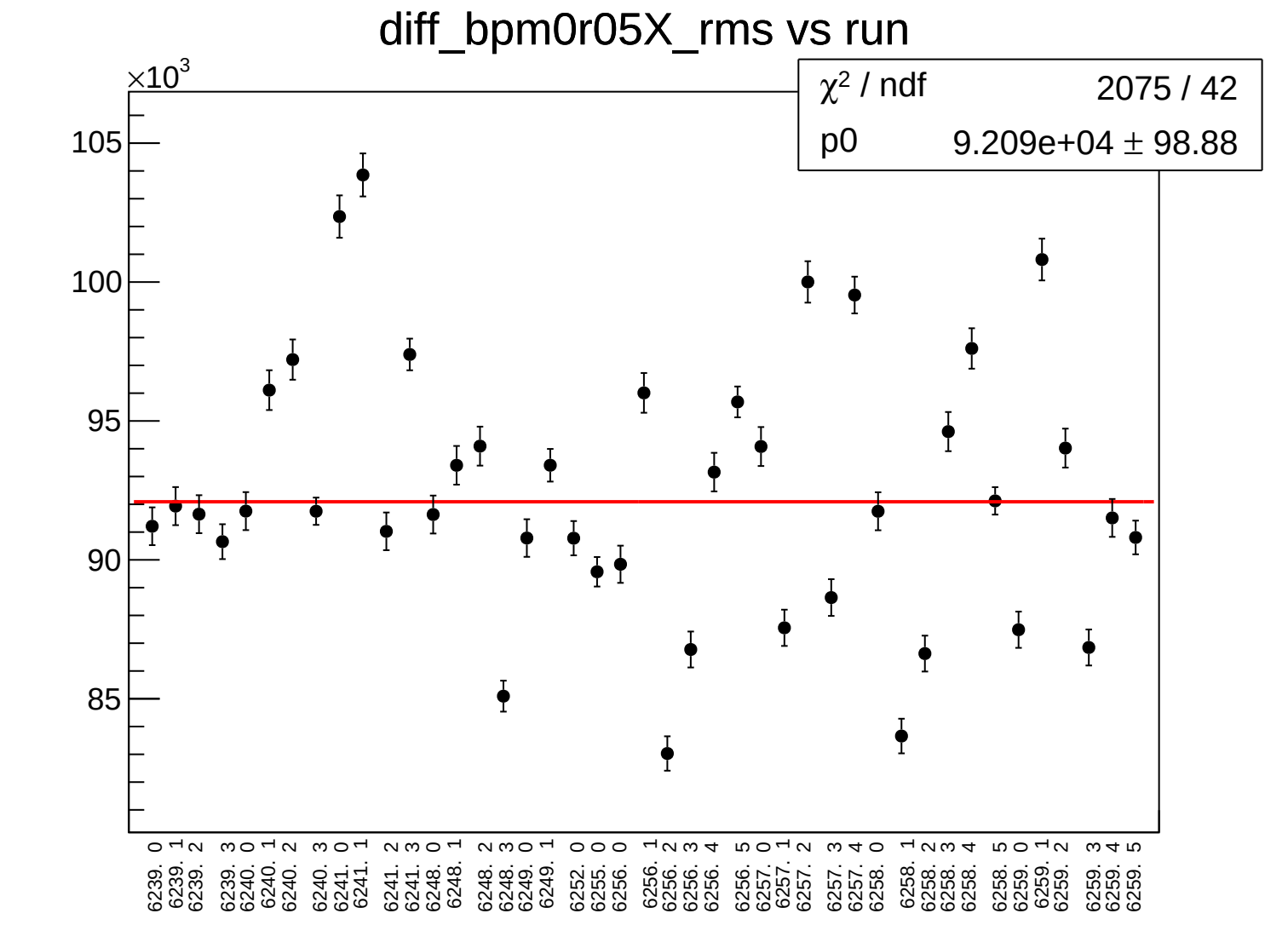

diff_bpm0r03X_rms vs run
χ² / ndf 1690 / 42
p0 8.174e+04 ± 87.75
92000
90000
88000
86000
84000
82000
80000
78000
76000
74000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

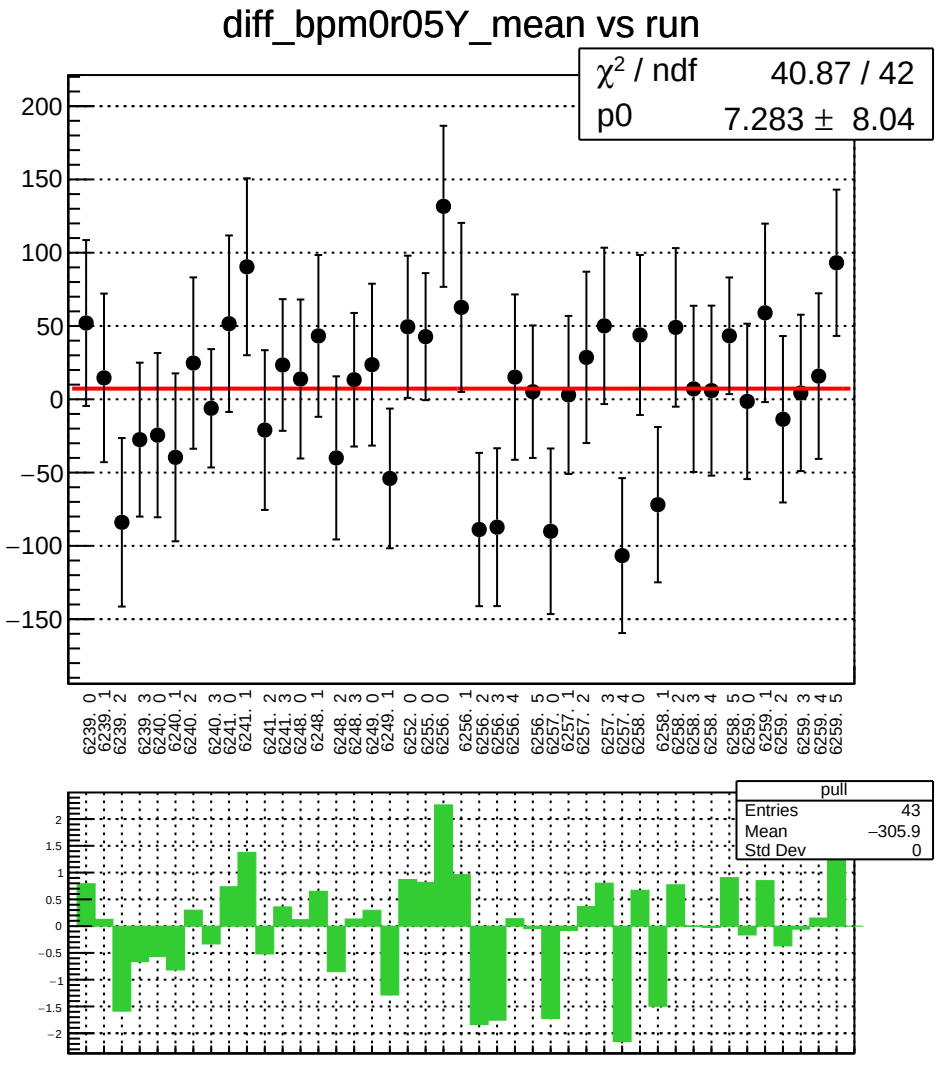

diff_bpm0r03Y_mean vs run
χ² / ndf 45.95 / 42
p0 6.671 ± 4.959
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −83.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01175
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

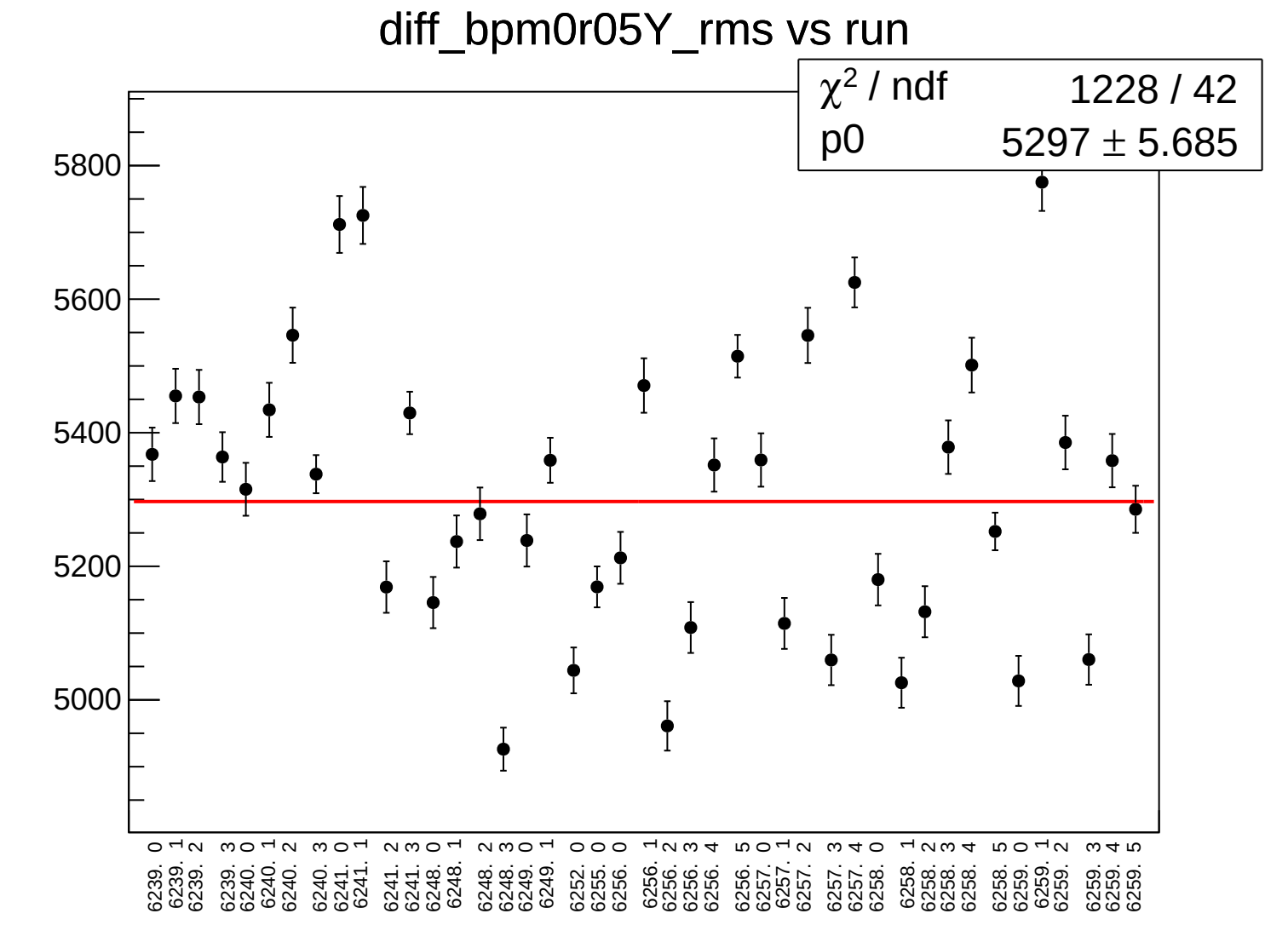

diff_bpm0r03Y_rms vs run
χ² / ndf 315.8 / 42
p0 3269 ± 3.506
3400
3350
3300
3250
3200
3150
3100
3050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

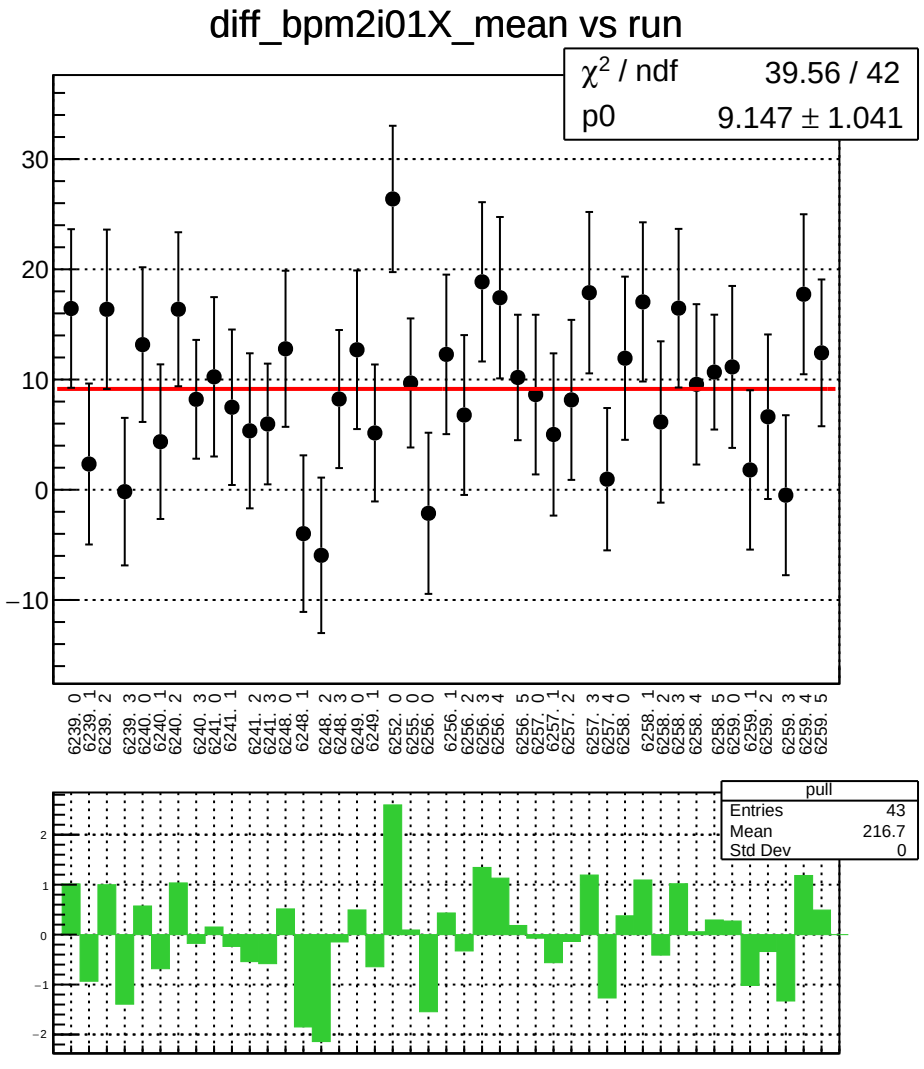

diff_bpm0r05X_mean vs run
χ² / ndf 33.93 / 42
p0 62.58 ± 139.8
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 58.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

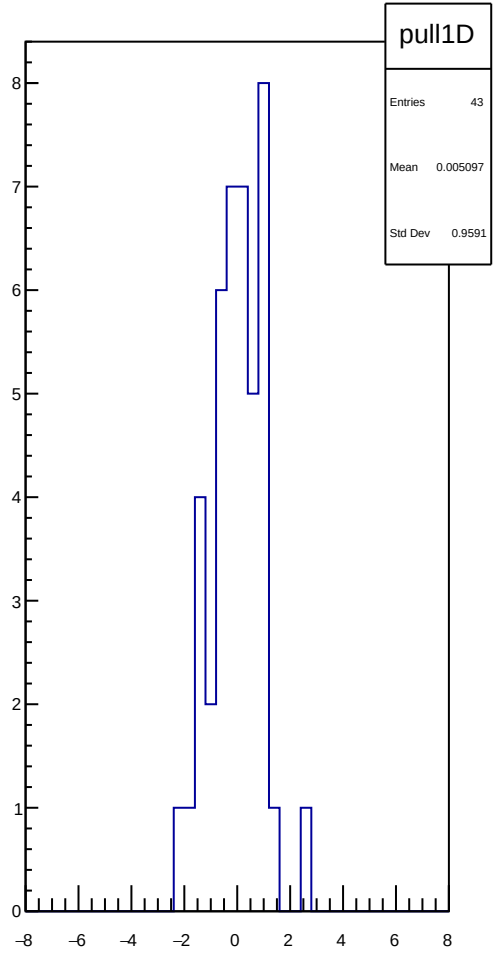

pull1D
Entries 43
Mean 0.01819
Std Dev 0.8881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

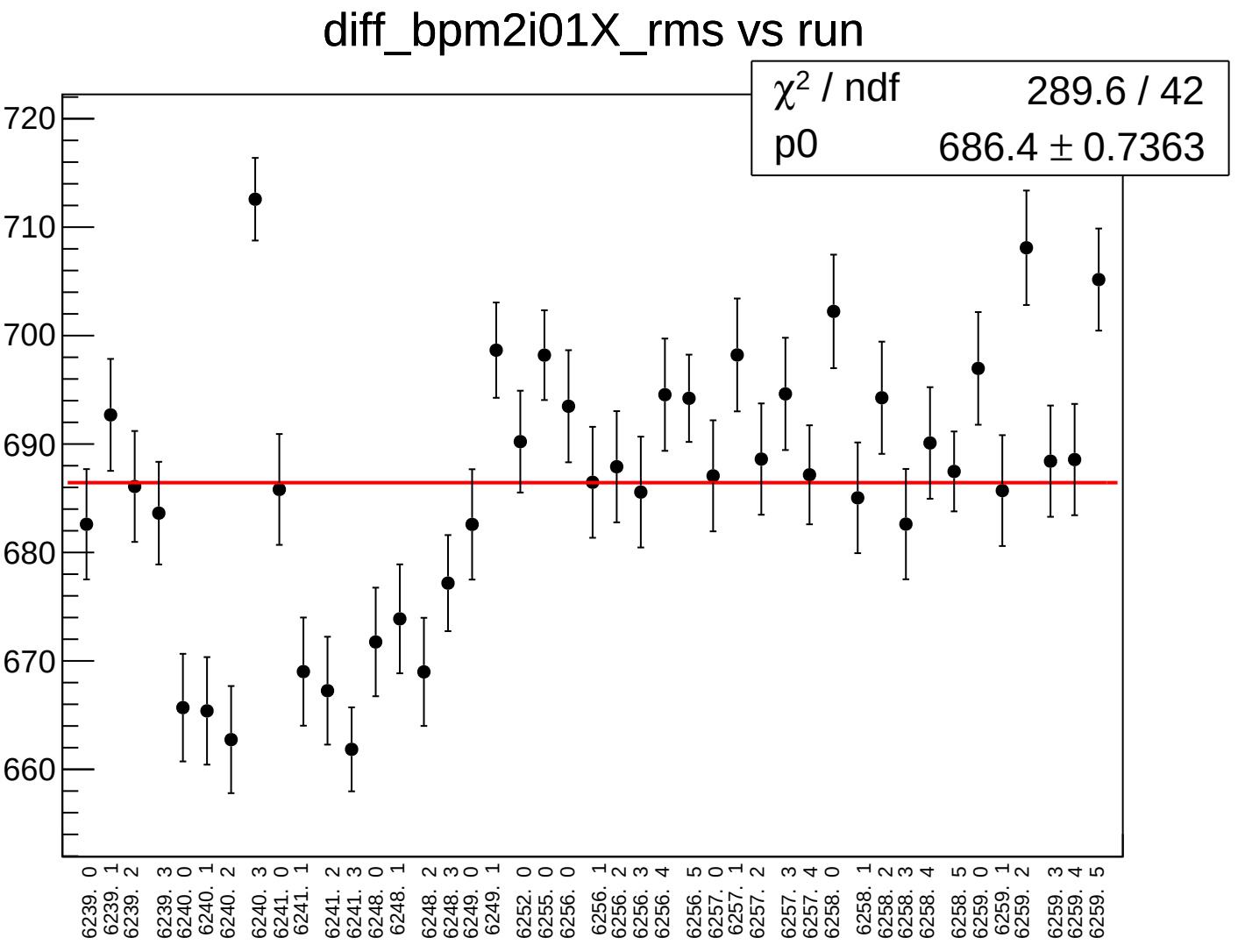

diff_bpm0r05X_rms vs run
×10^3
105
100
95
90
85
χ² / ndf 2075 / 42
p0 9.209e+04 ± 98.88
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

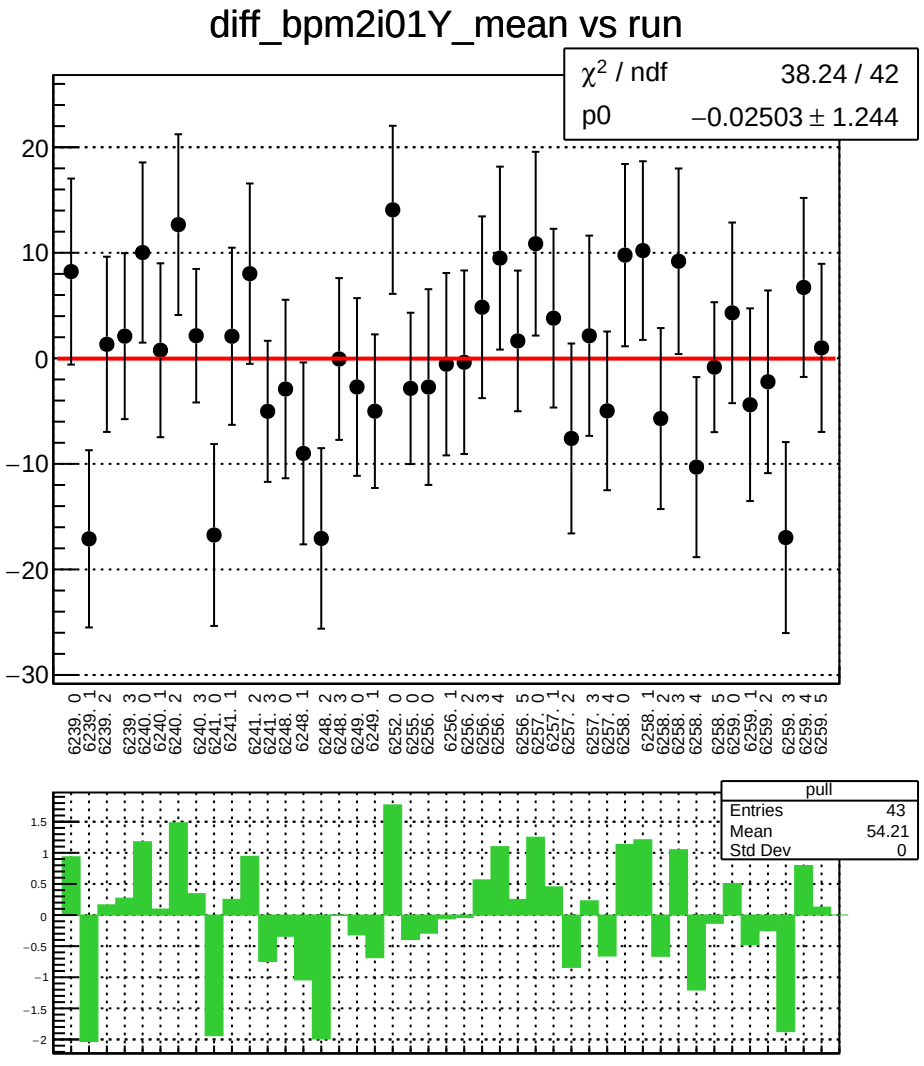

diff_bpm0r05Y_mean vs run
χ² / ndf 40.87 / 42
p0 7.283 ± 8.04
200
150
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −305.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.003497
Std Dev 0.9749
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

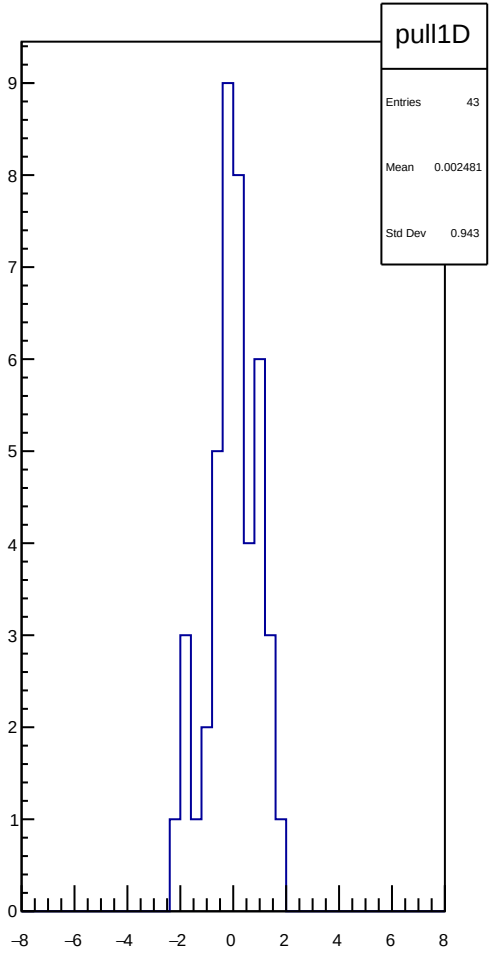

diff_bpm0r05Y_rms vs run
χ² / ndf 1228 / 42
p0 5297 ± 5.685
5800
5600
5400
5200
5000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

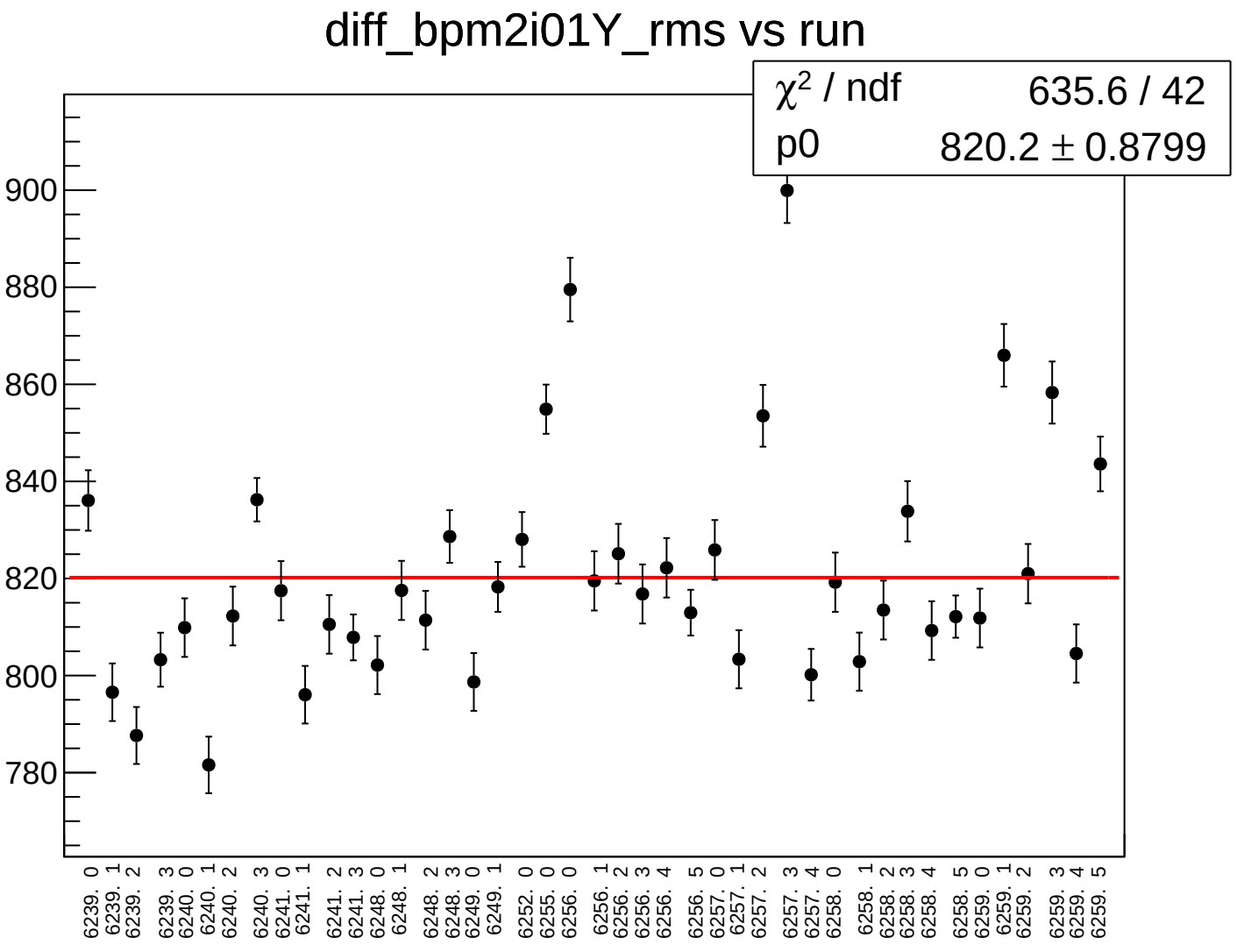

diff_bpm2i01X_mean vs run
$\chi^2$ / ndf 39.56 / 42
p0 9.147 ± 1.041
30
20
10
0
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 216.7
Std Dev 0
2
1
0
−1
−2

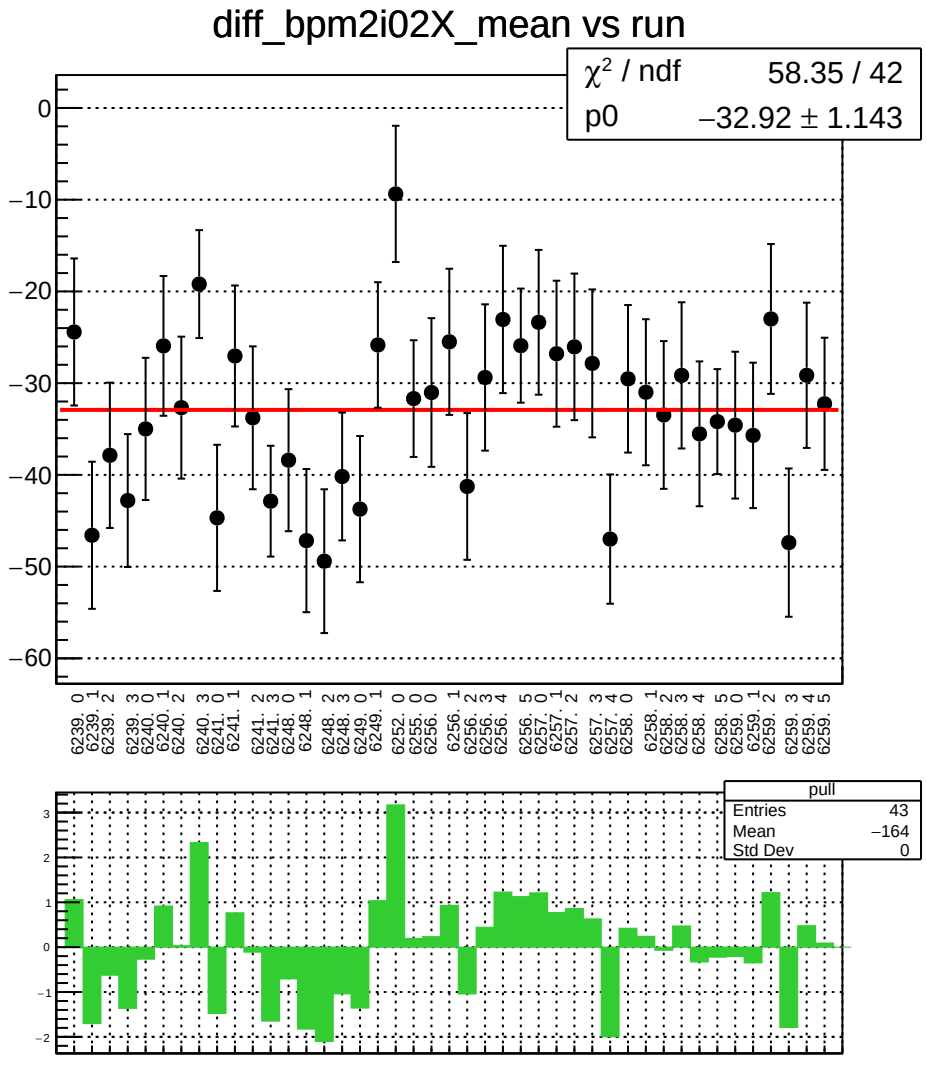

pull1D
Entries 43
Mean 0.005097
Std Dev 0.9591
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

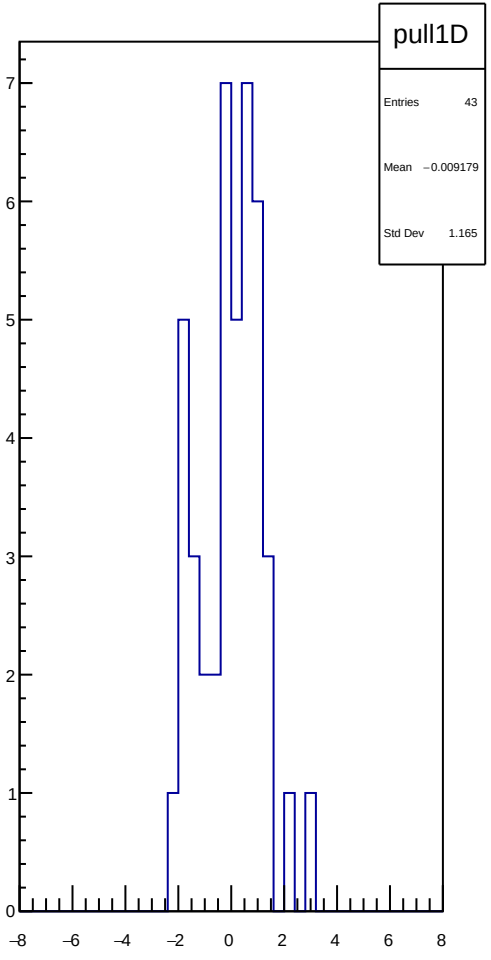

diff_bpm2i01X_rms vs run
χ² / ndf 289.6 / 42
p0 686.4 ± 0.7363
720
710
700
690
680
670
660
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

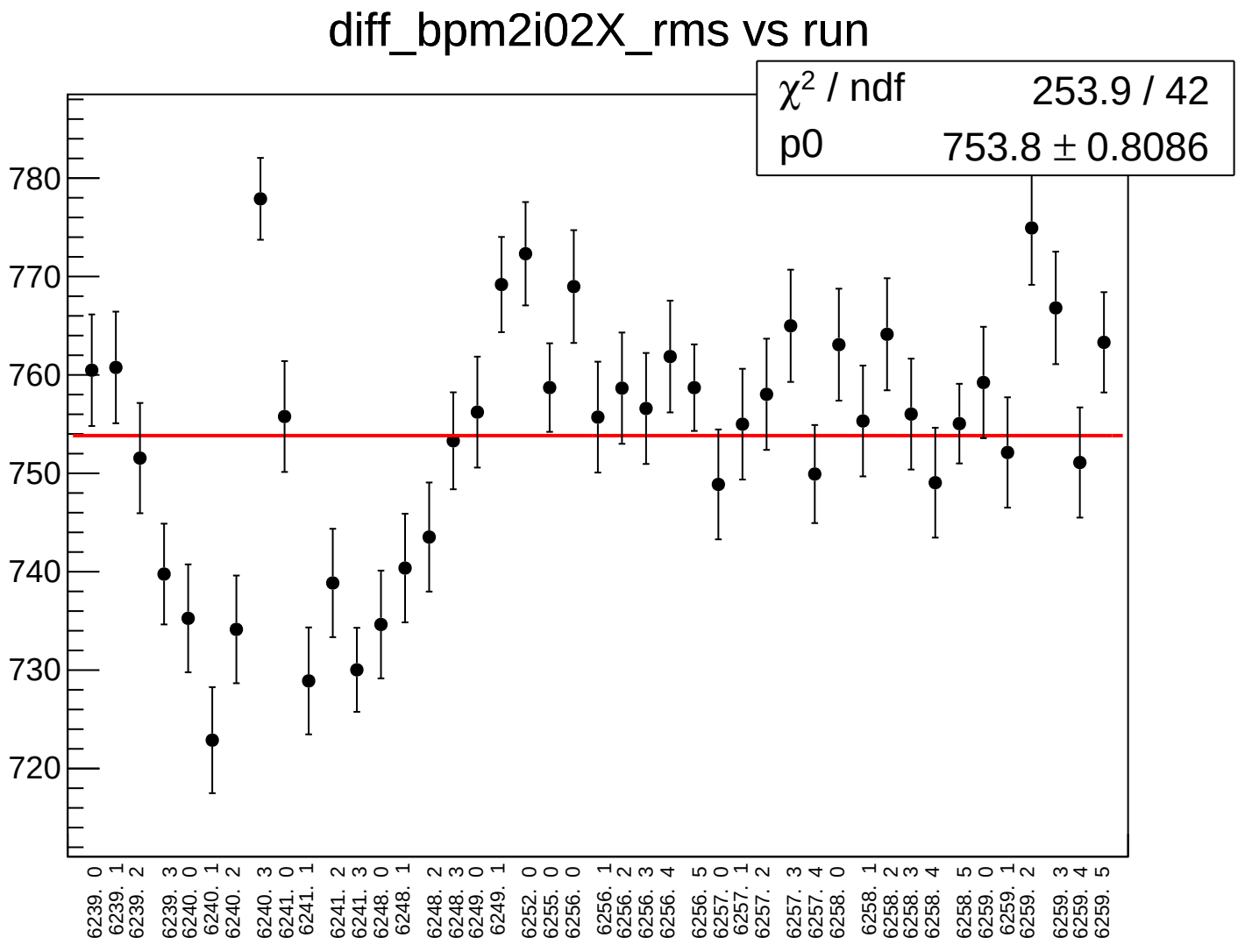

diff_bpm2i01Y_mean vs run
χ² / ndf 38.24 / 42
p0 −0.02503 ± 1.244
pull
Entries 43
Mean 54.21
Std Dev 0

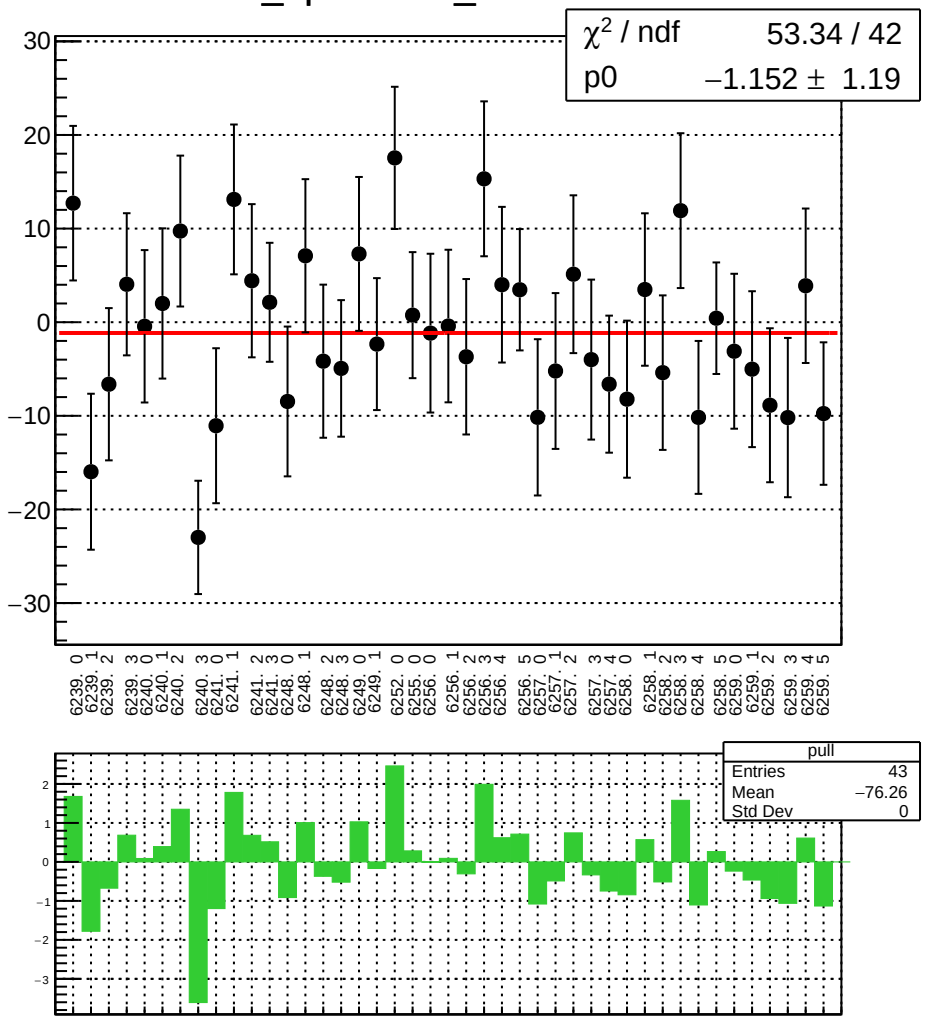

pull1D
Entries 43
Mean 0.002481
Std Dev 0.943

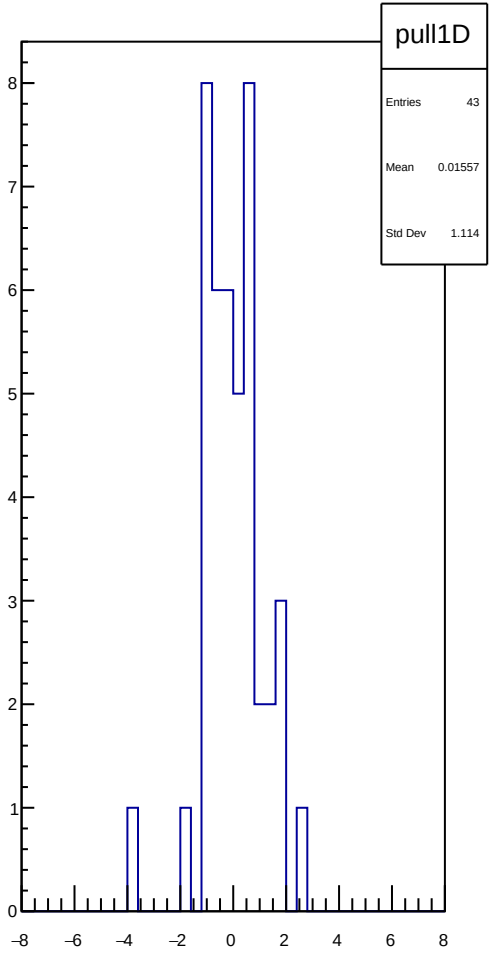

diff_bpm2i01Y_rms vs run
χ² / ndf 635.6 / 42
p0 820.2 ± 0.8799
900
880
860
840
820
800
780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

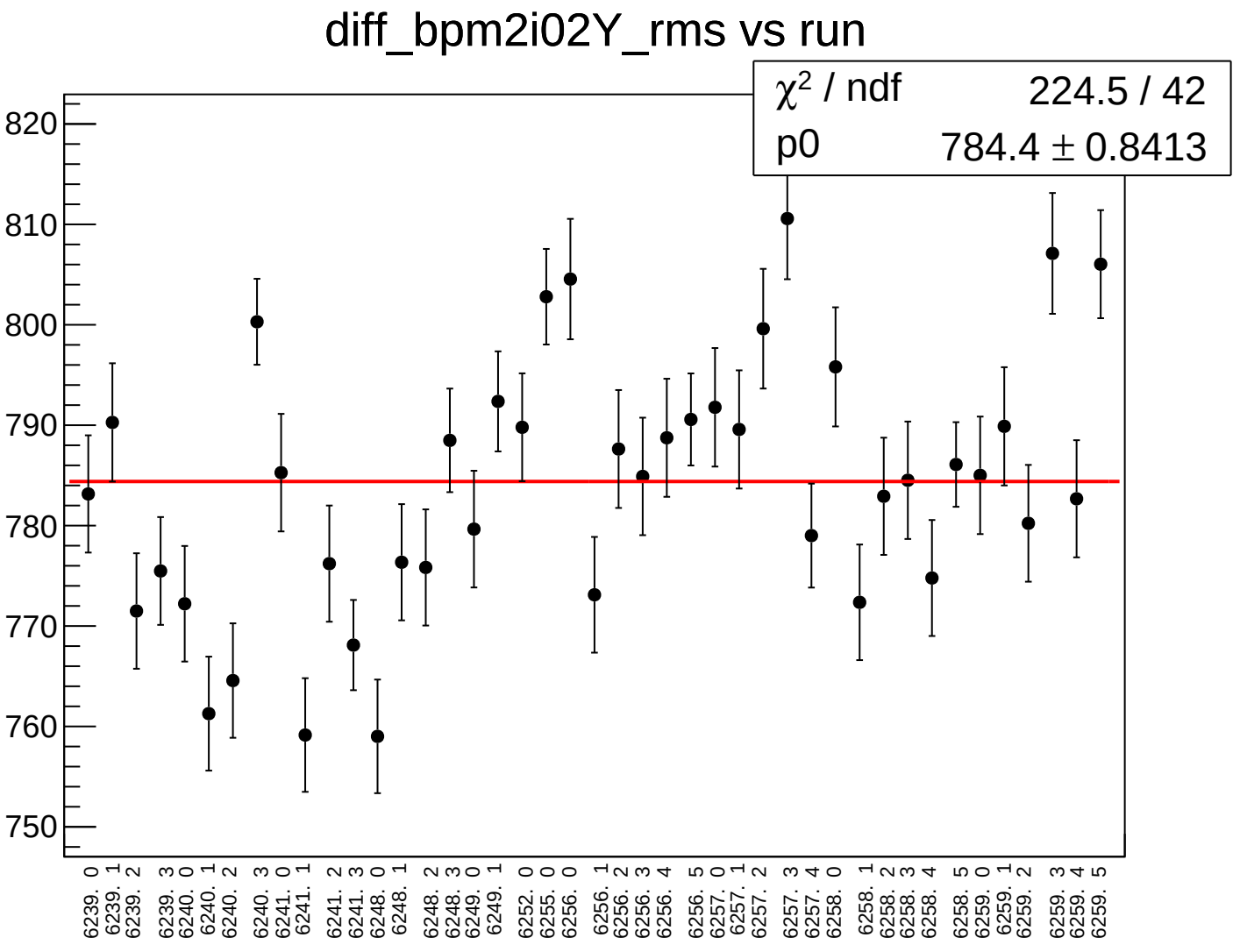

diff_bpm2i02X_mean vs run
χ² / ndf 58.35 / 42
p0 −32.92 ± 1.143
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −164
Std Dev 0
3
2
1
0
−1
−2

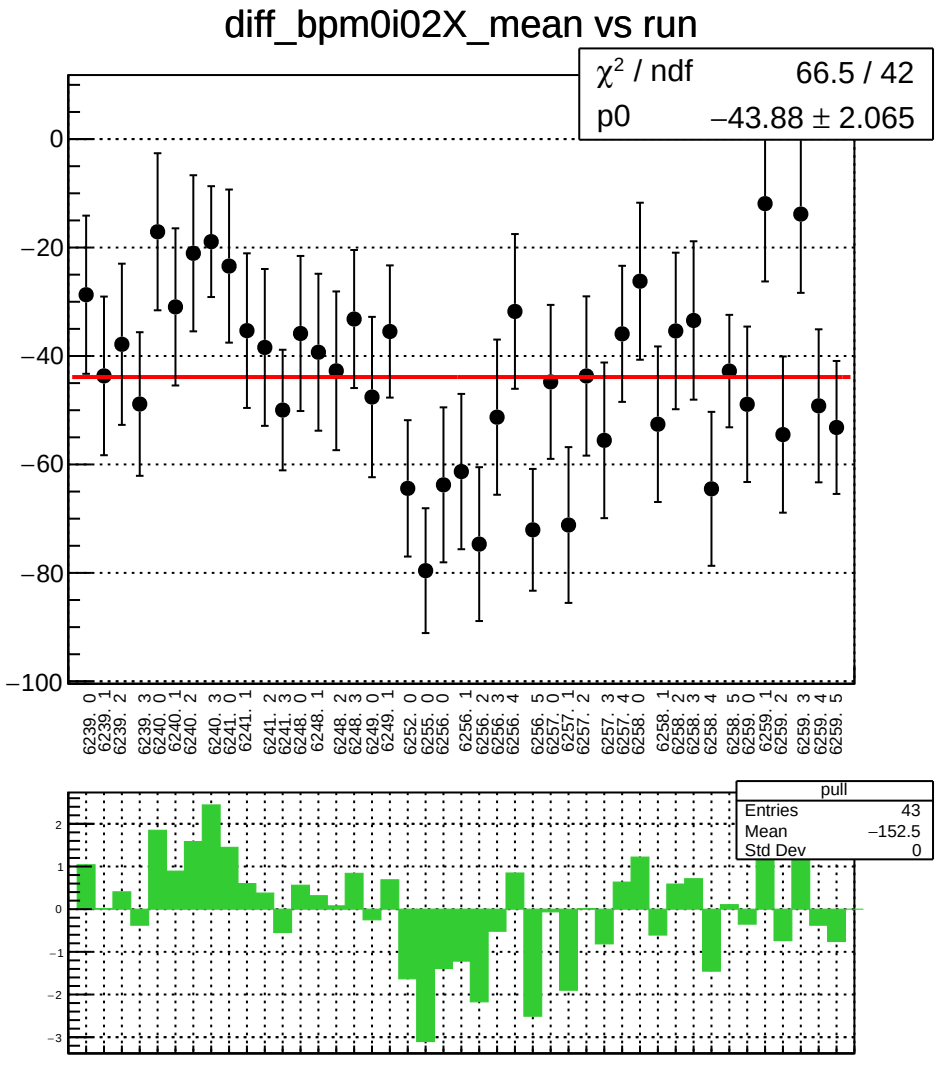

pull1D
Entries 43
Mean −0.009179
Std Dev 1.165
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

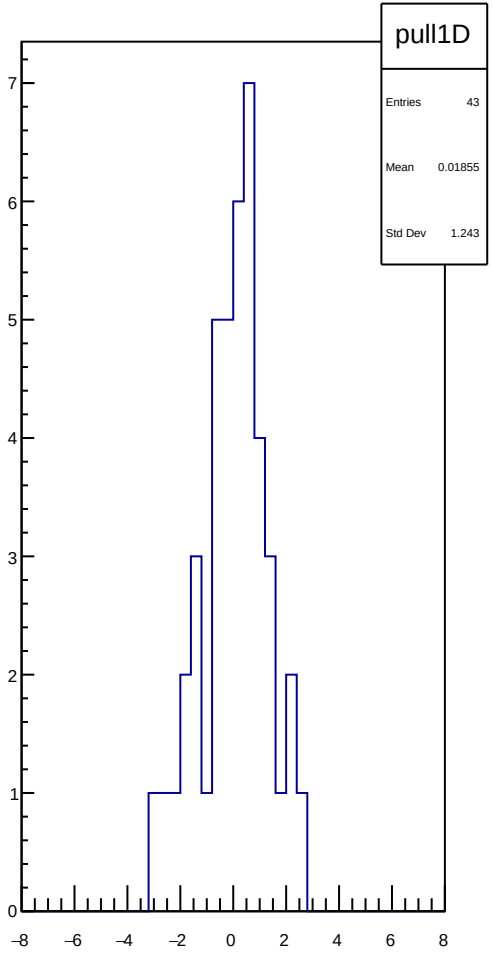

diff_bpm2i02X_rms vs run
χ² / ndf 253.9 / 42
p0 753.8 ± 0.8086
780
770
760
750
740
730
720
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

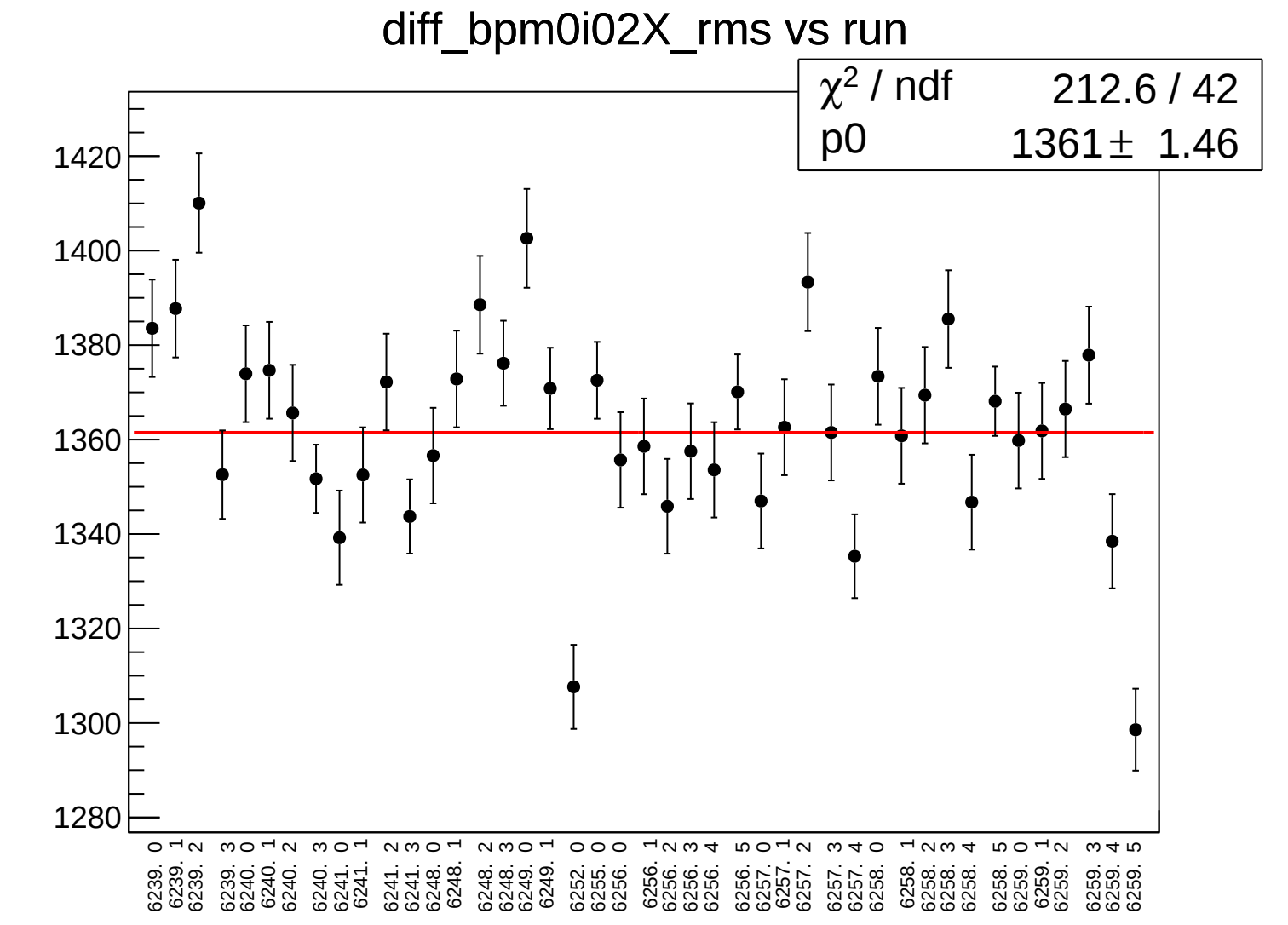

diff_bpm2i02Y_mean vs run
χ² / ndf 53.34 / 42
p0 −1.152 ± 1.19
pull
Entries 43
Mean −76.26
Std Dev 0

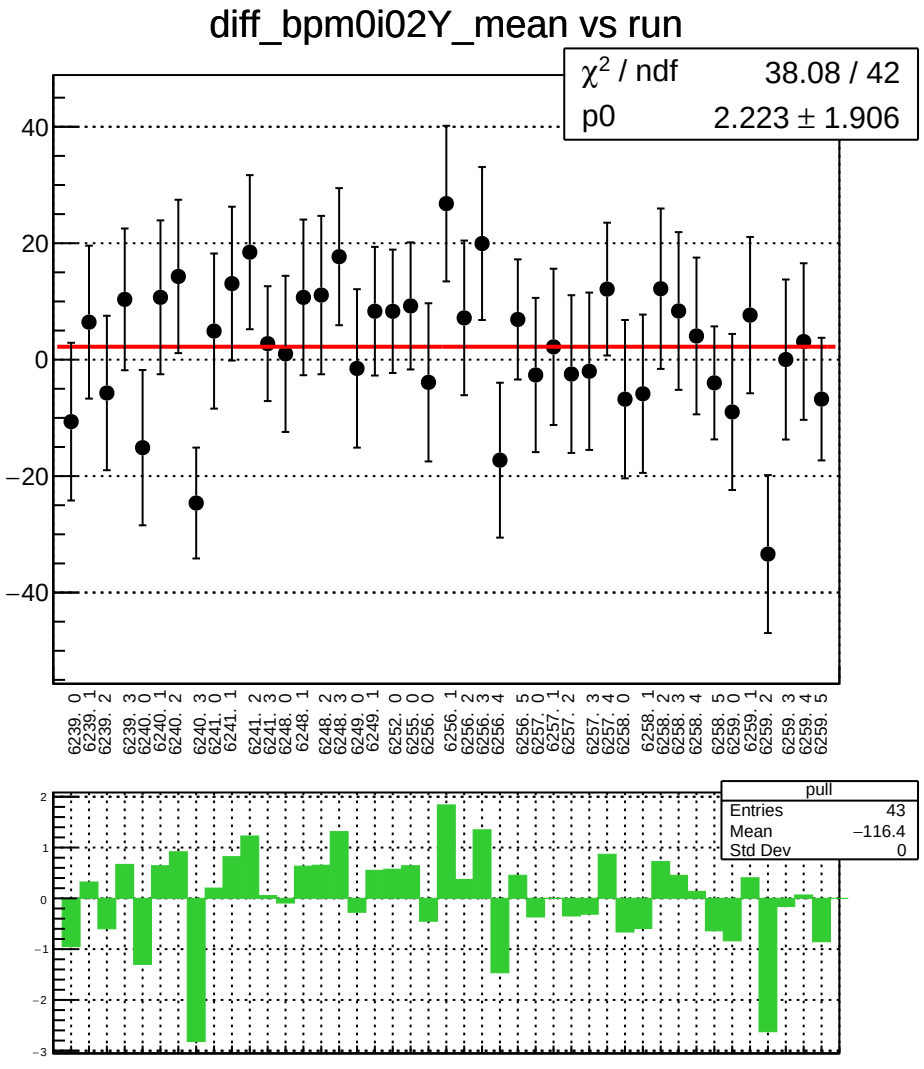

pull1D
Entries 43
Mean 0.01557
Std Dev 1.114

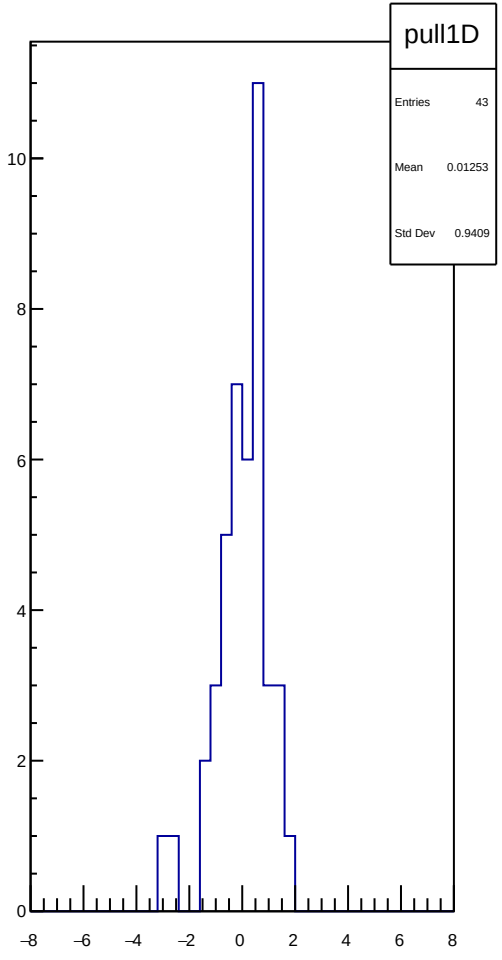

diff_bpm2i02Y_rms vs run
χ² / ndf 224.5 / 42
p0 784.4 ± 0.8413
820
810
800
790
780
770
760
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

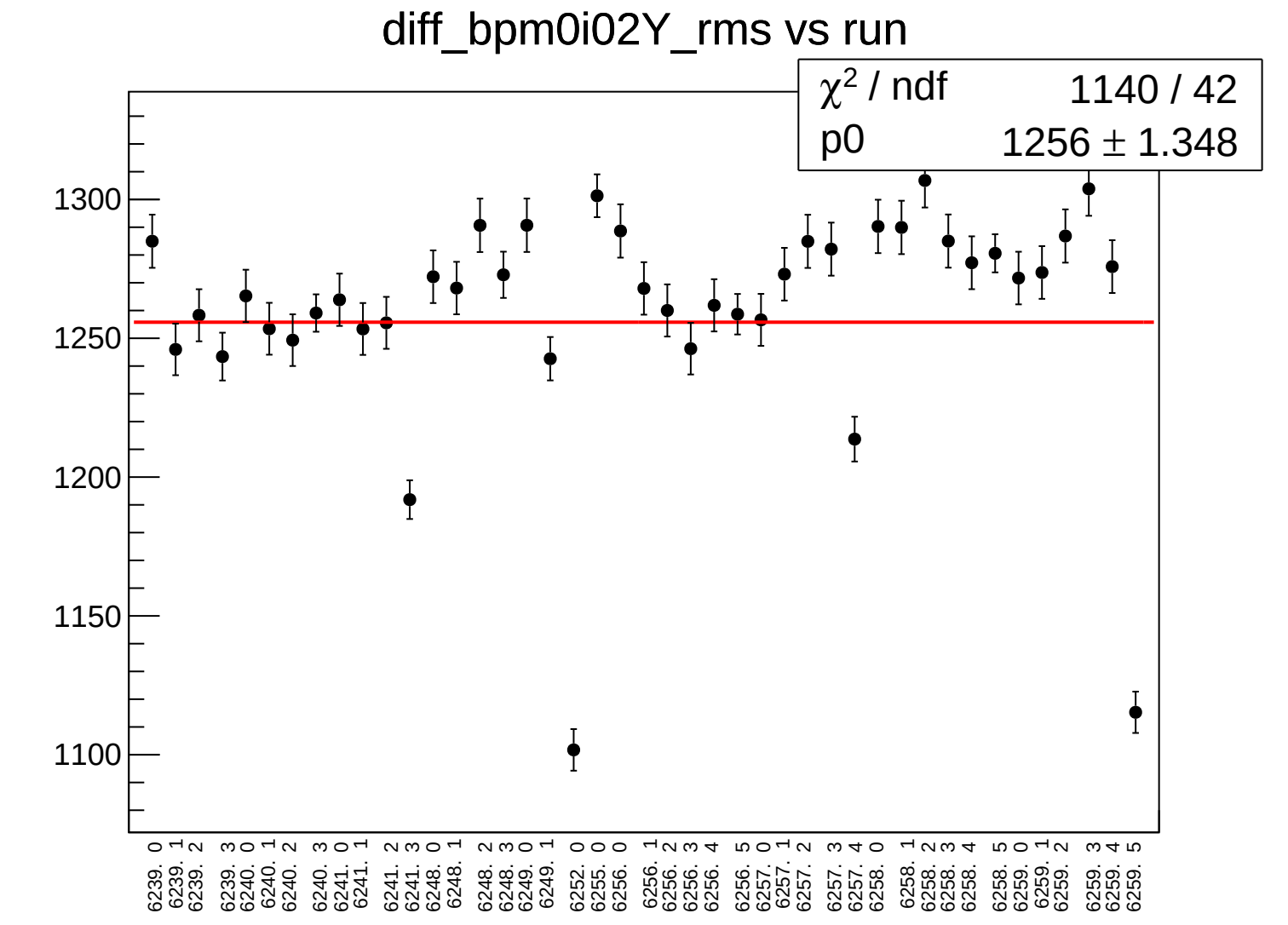

diff_bpm0i02X_mean vs run
χ² / ndf 66.5 / 42
p0 −43.88 ± 2.065
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −152.5
Std Dev 0
2
1
0
−1
−2
−3

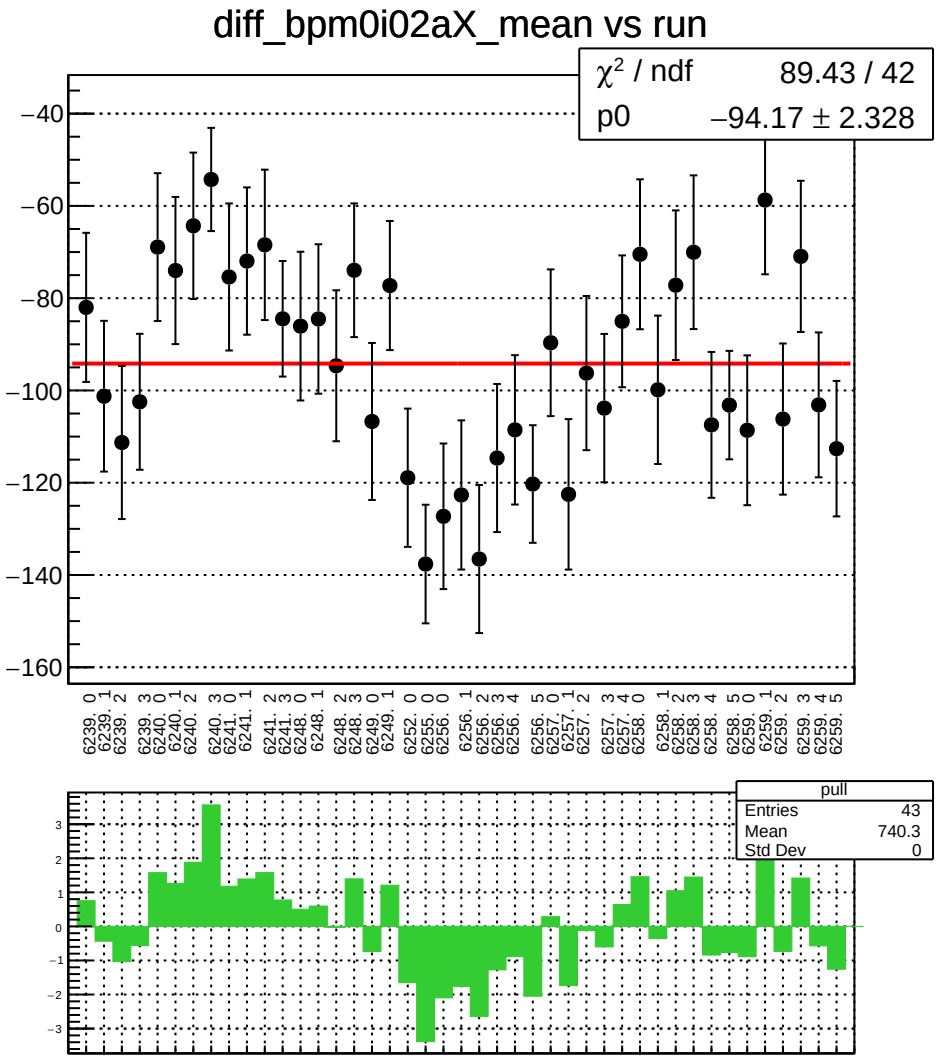

pull1D
Entries 43
Mean 0.01855
Std Dev 1.243
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

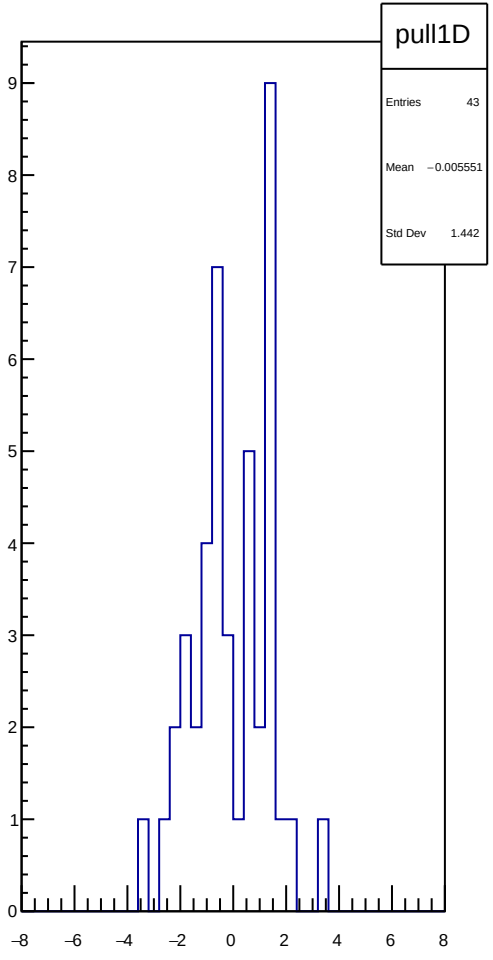

diff_bpm0i02X_rms vs run
χ² / ndf 212.6 / 42
p0 1361 ± 1.46
1420
1400
1380
1360
1340
1320
1300
1280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

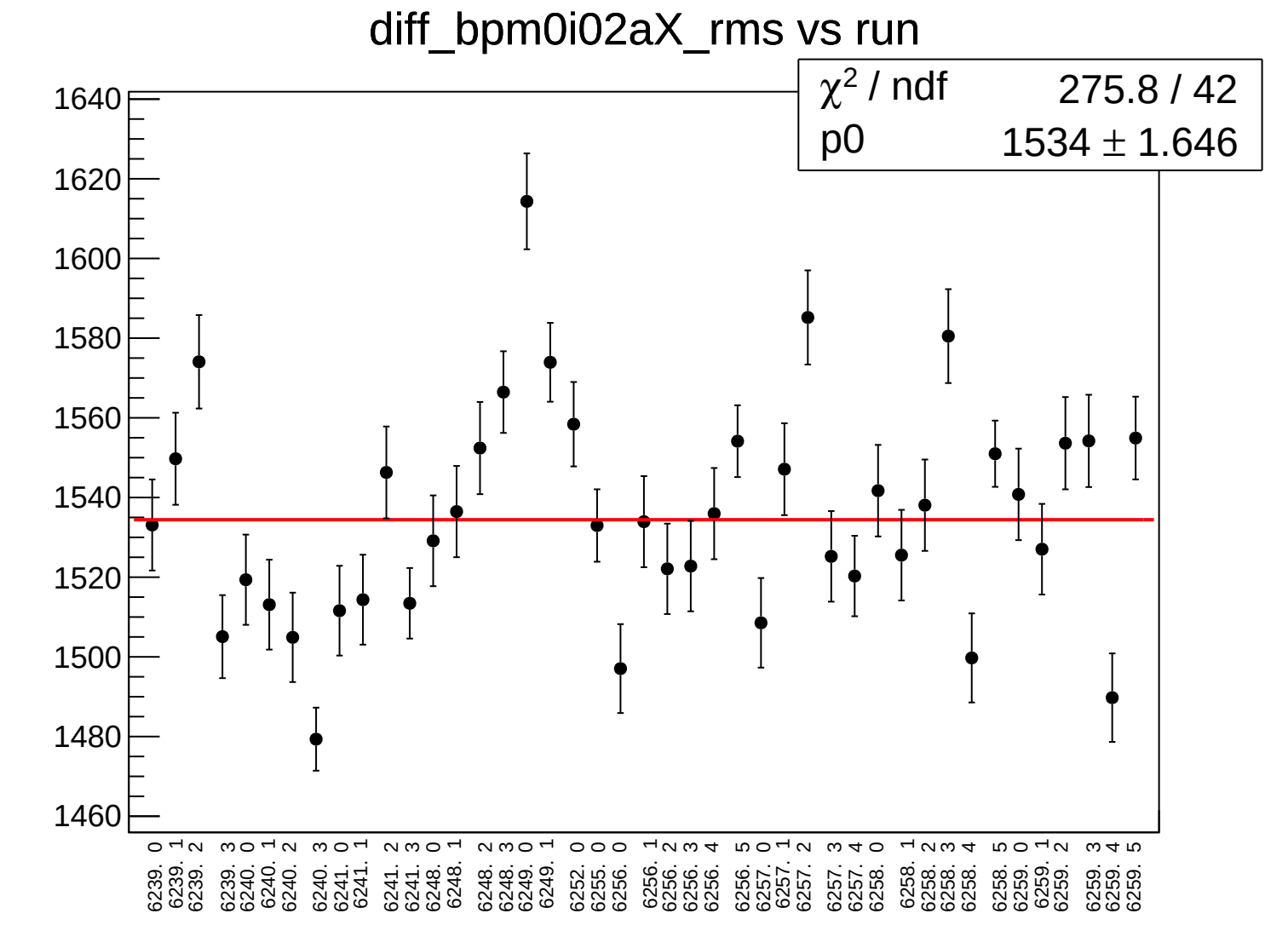

diff_bpm0i02Y_mean vs run
χ² / ndf 38.08 / 42
p0 2.223 ± 1.906
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −116.4
Std Dev 0
2
1
0
−1
−2
−3

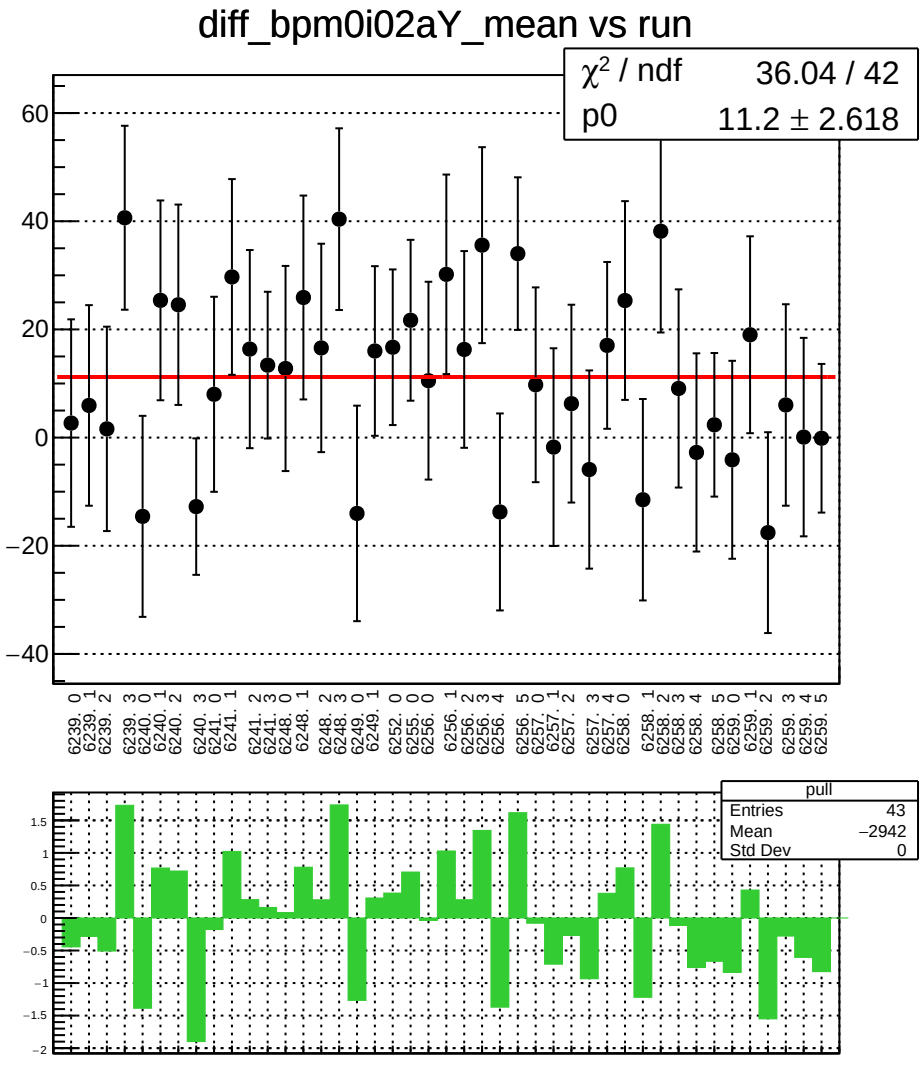

pull1D
Entries 43
Mean 0.01253
Std Dev 0.9409
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

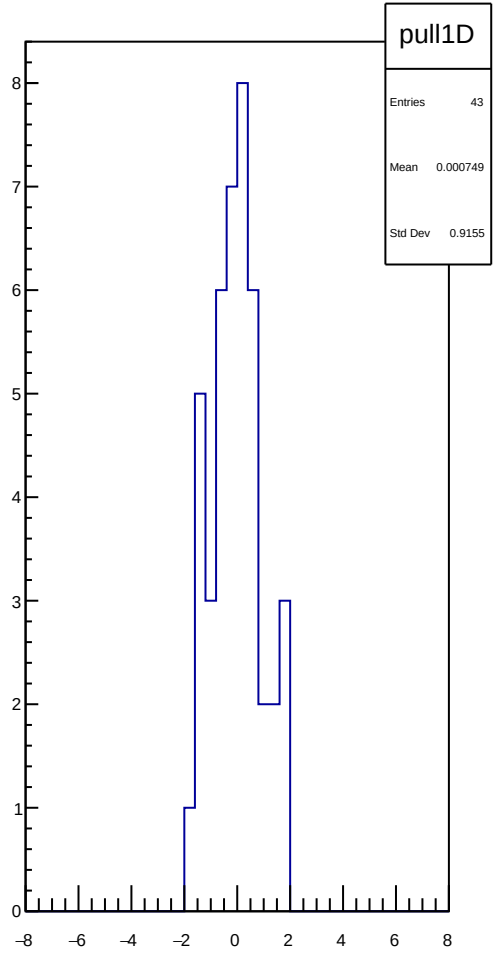

diff_bpm0i02Y_rms vs run
χ² / ndf 1140 / 42
p0 1256 ± 1.348
1300
1250
1200
1150
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

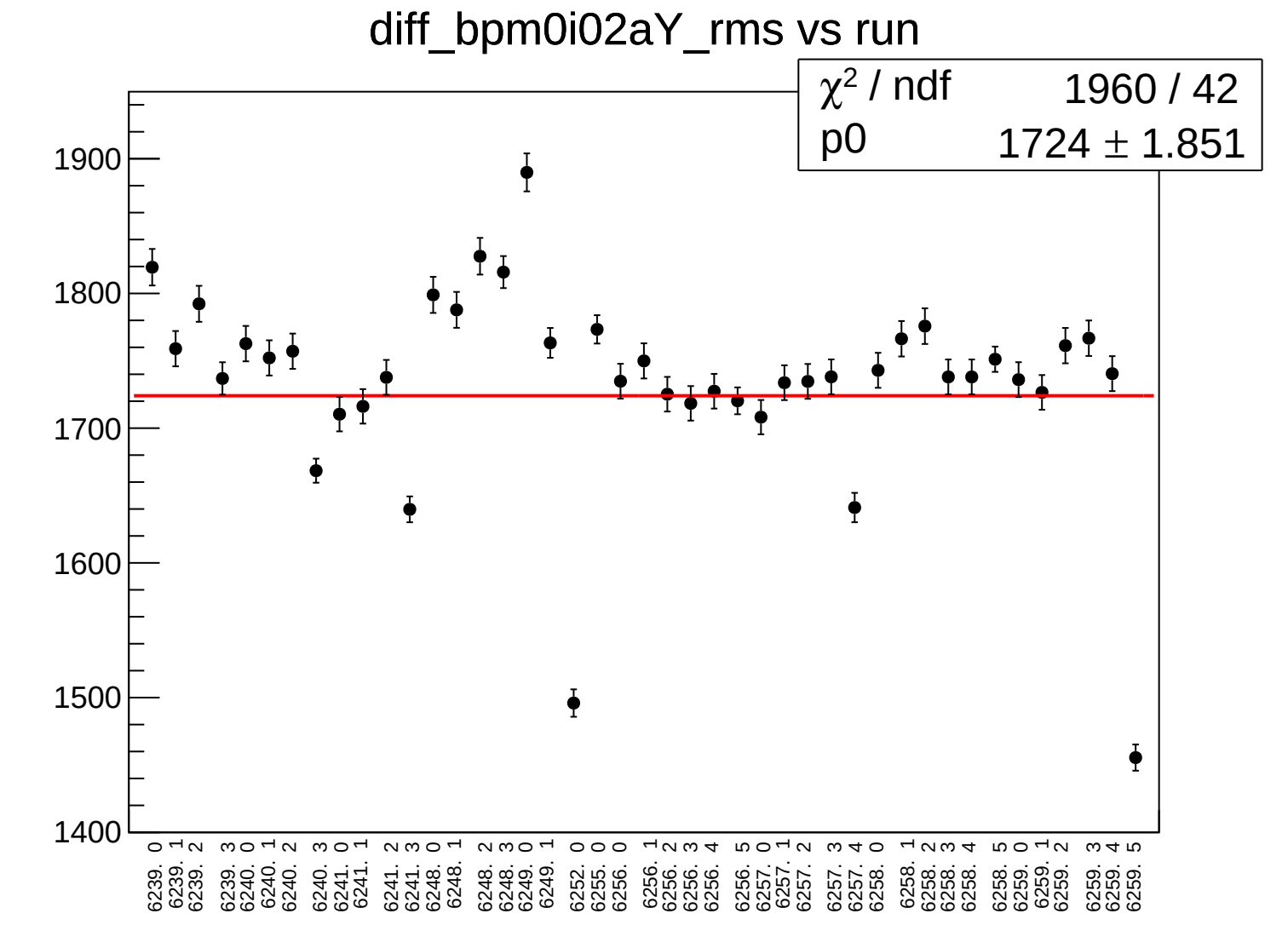

diff_bpm0i02aX_mean vs run
χ² / ndf 89.43 / 42
p0 −94.17 ± 2.328
−40
−60
−80
−100
−120
−140
−160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 740.3
Std Dev 0
3
2
1
0
−1
−2
−3

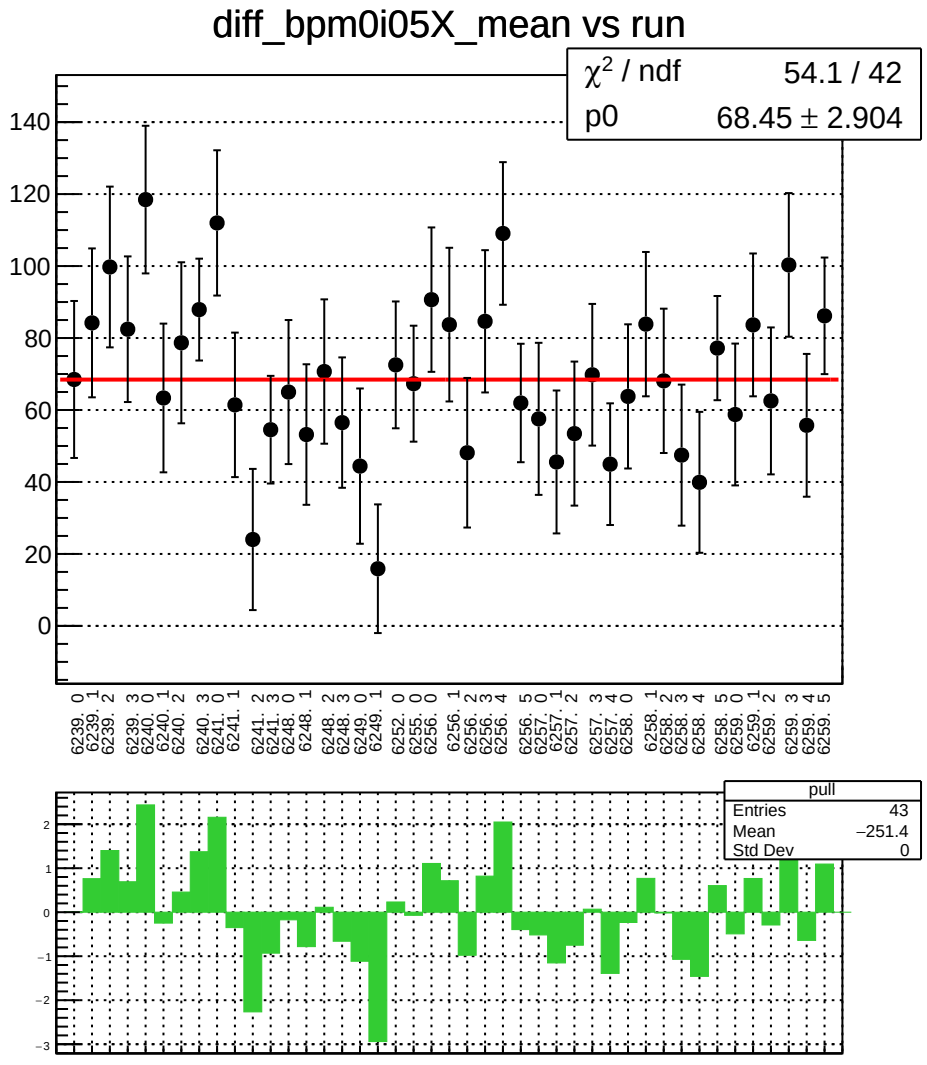

pull1D
Entries 43
Mean −0.005551
Std Dev 1.442
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

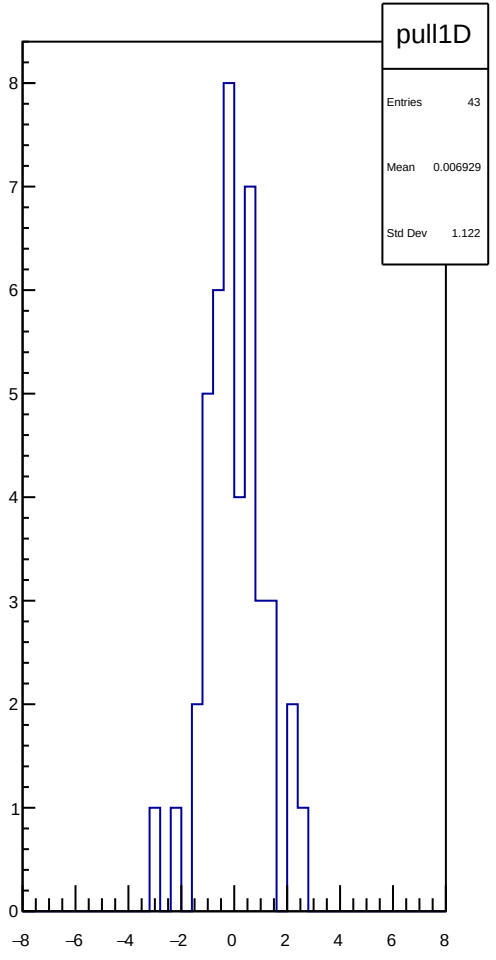

diff_bpm0i02aX_rms vs run
χ² / ndf 275.8 / 42
p0 1534 ± 1.646
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

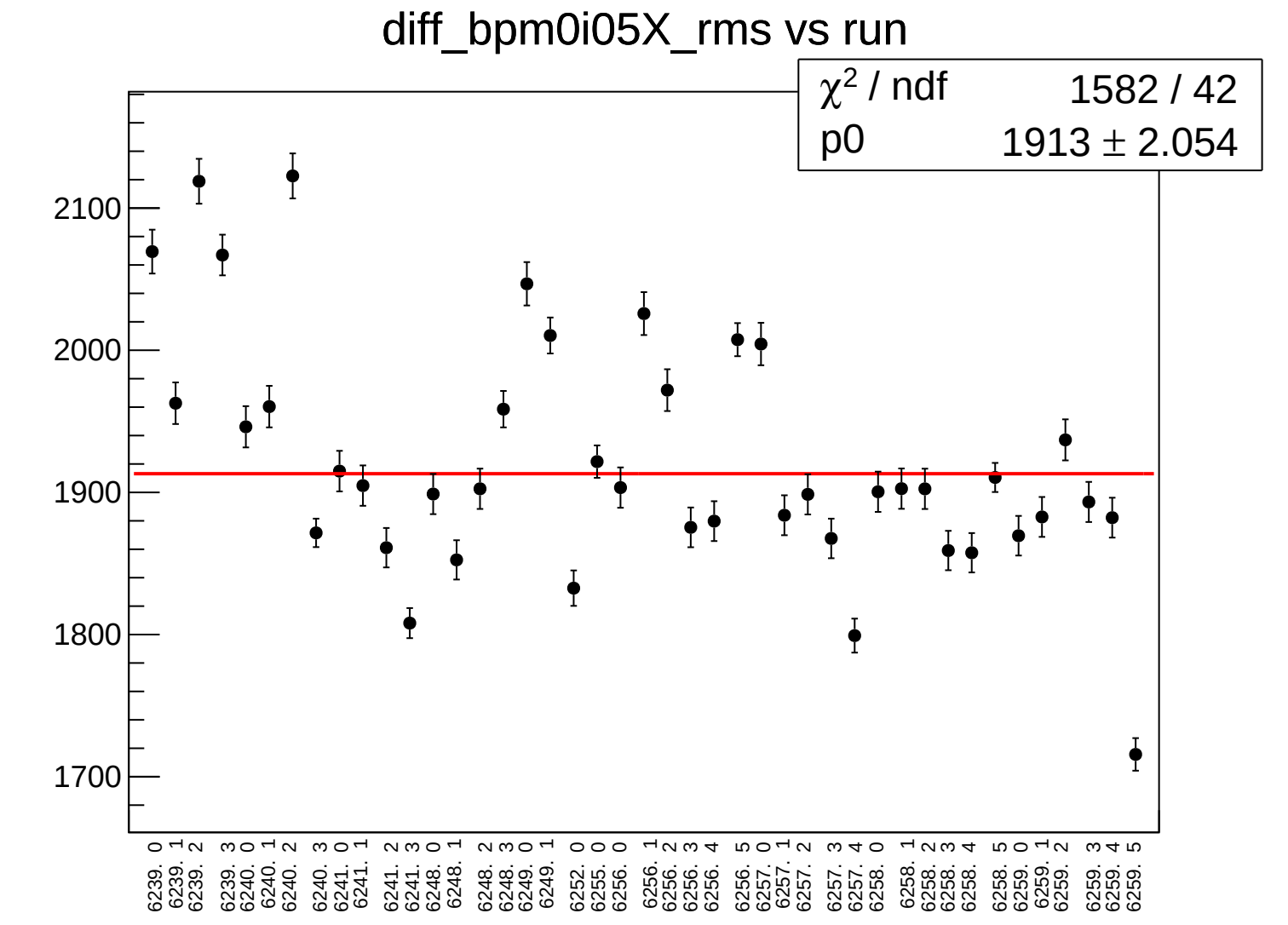

diff_bpm0i02aY_mean vs run
χ² / ndf 36.04 / 42
p0 11.2 ± 2.618
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2942
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

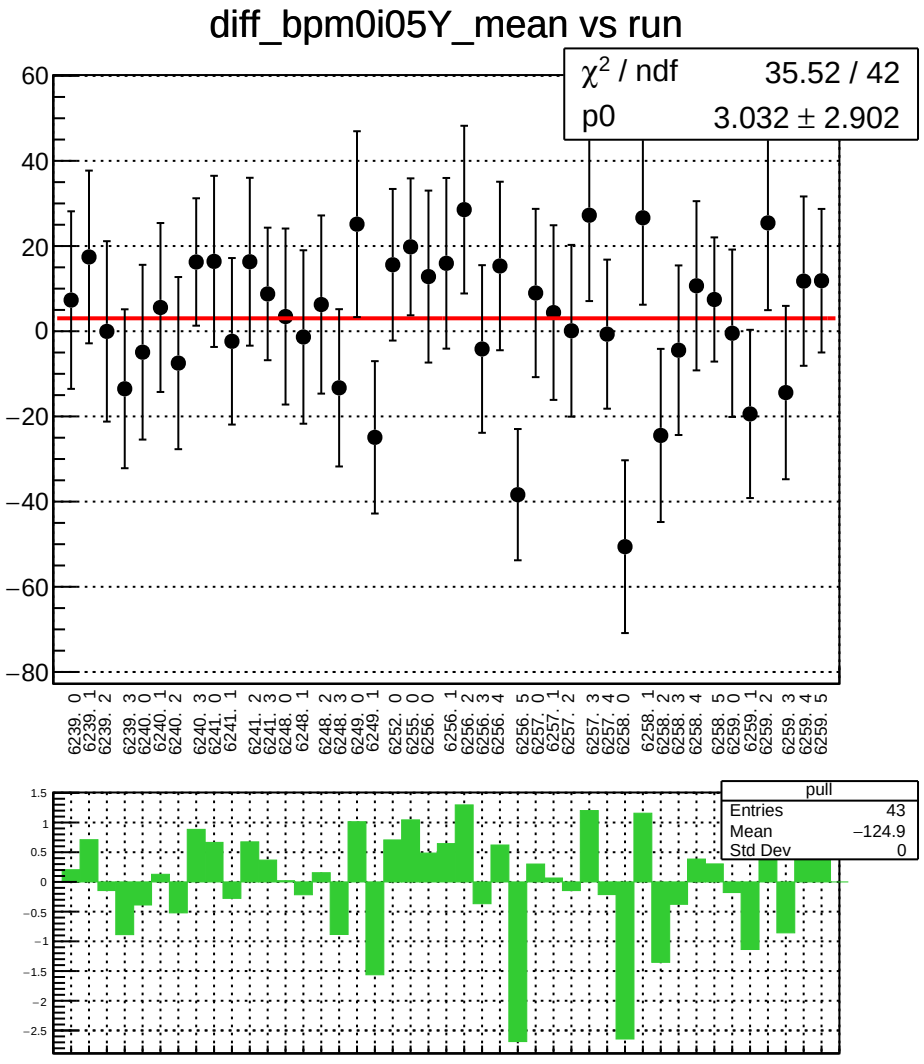

pull1D
Entries 43
Mean 0.000749
Std Dev 0.9155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

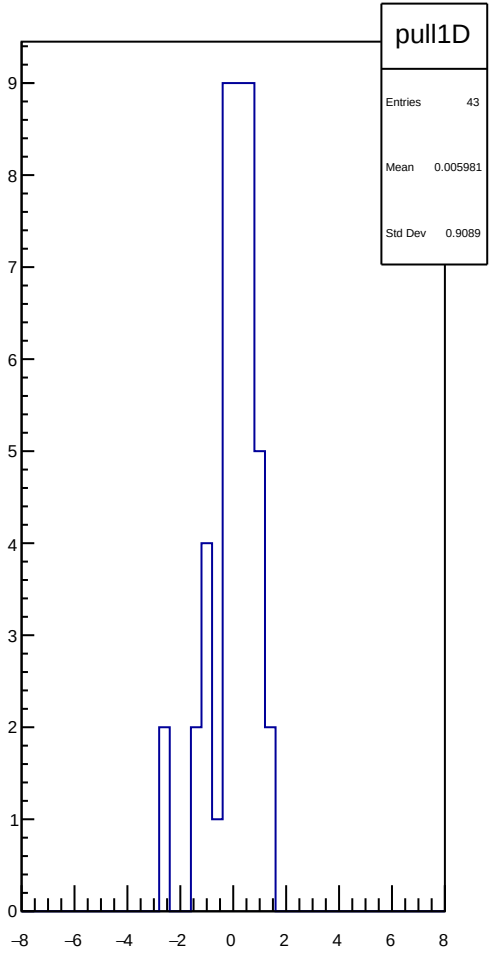

diff_bpm0i02aY_rms vs run
χ² / ndf 1960 / 42
p0 1724 ± 1.851
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

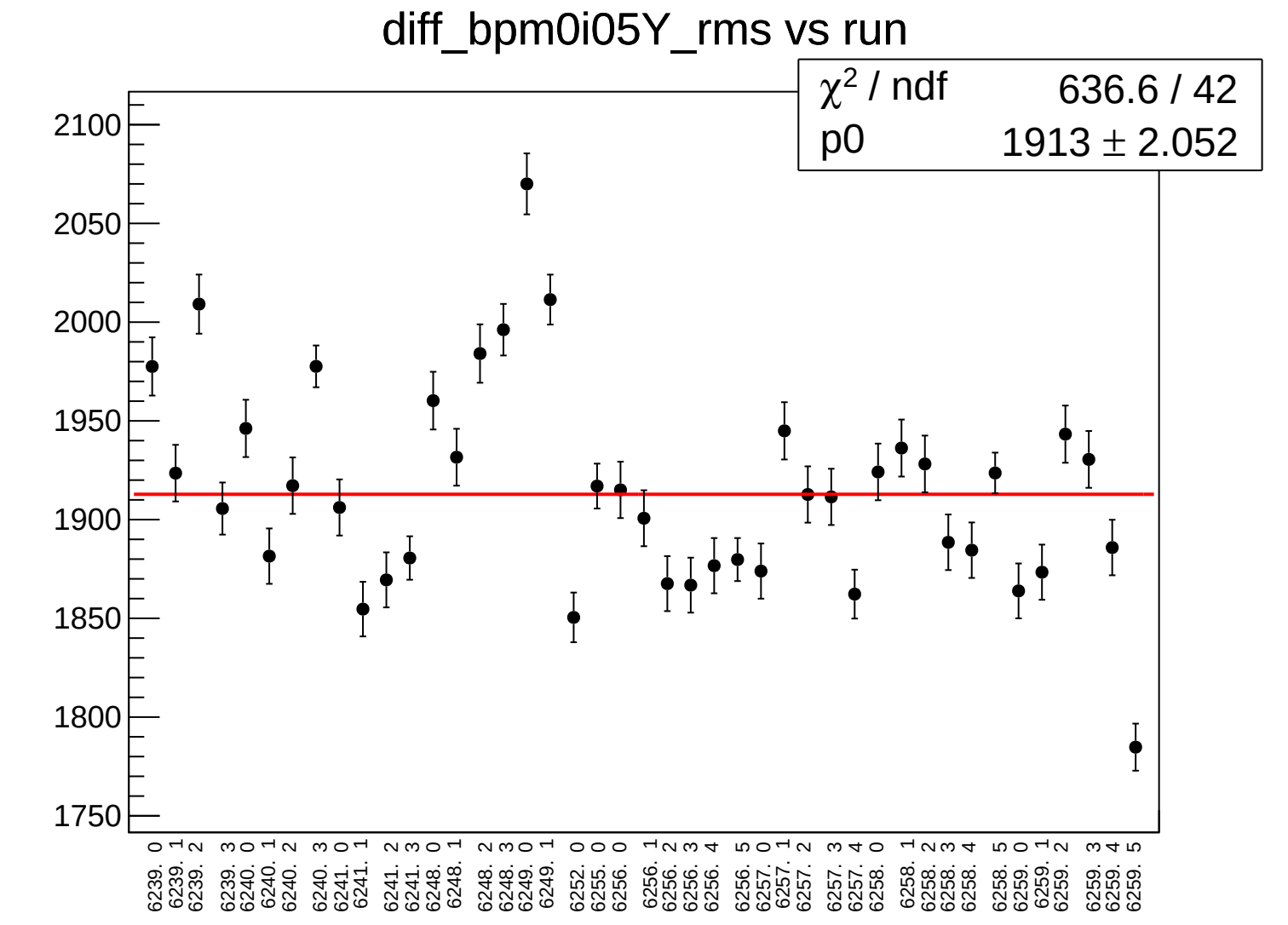

diff_bpm0i05X_mean vs run
χ² / ndf 54.1 / 42
p0 68.45 ± 2.904
140
120
100
80
60
40
20
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −251.4
Std Dev 0
2
1
0
−1
−2
−3

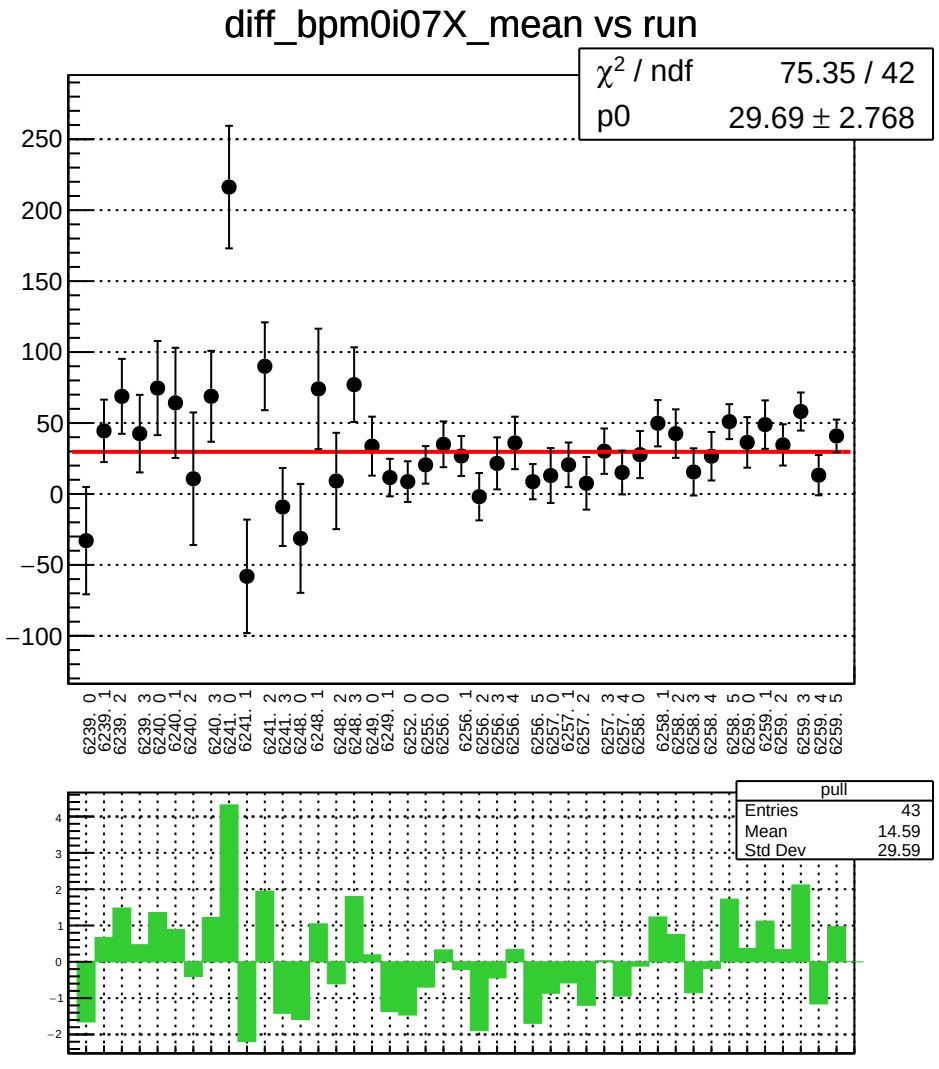

pull1D
Entries 43
Mean 0.006929
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

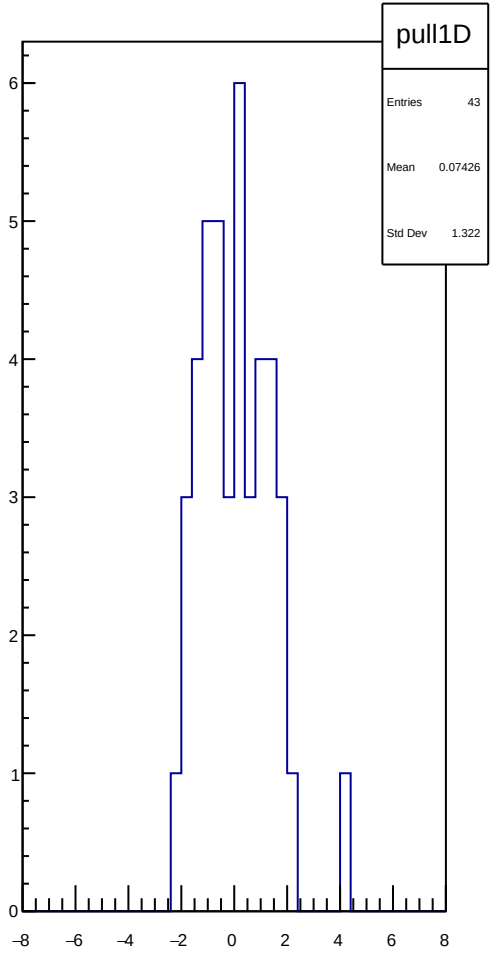

diff_bpm0i05X_rms vs run
χ² / ndf 1582 / 42
p0 1913 ± 2.054
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

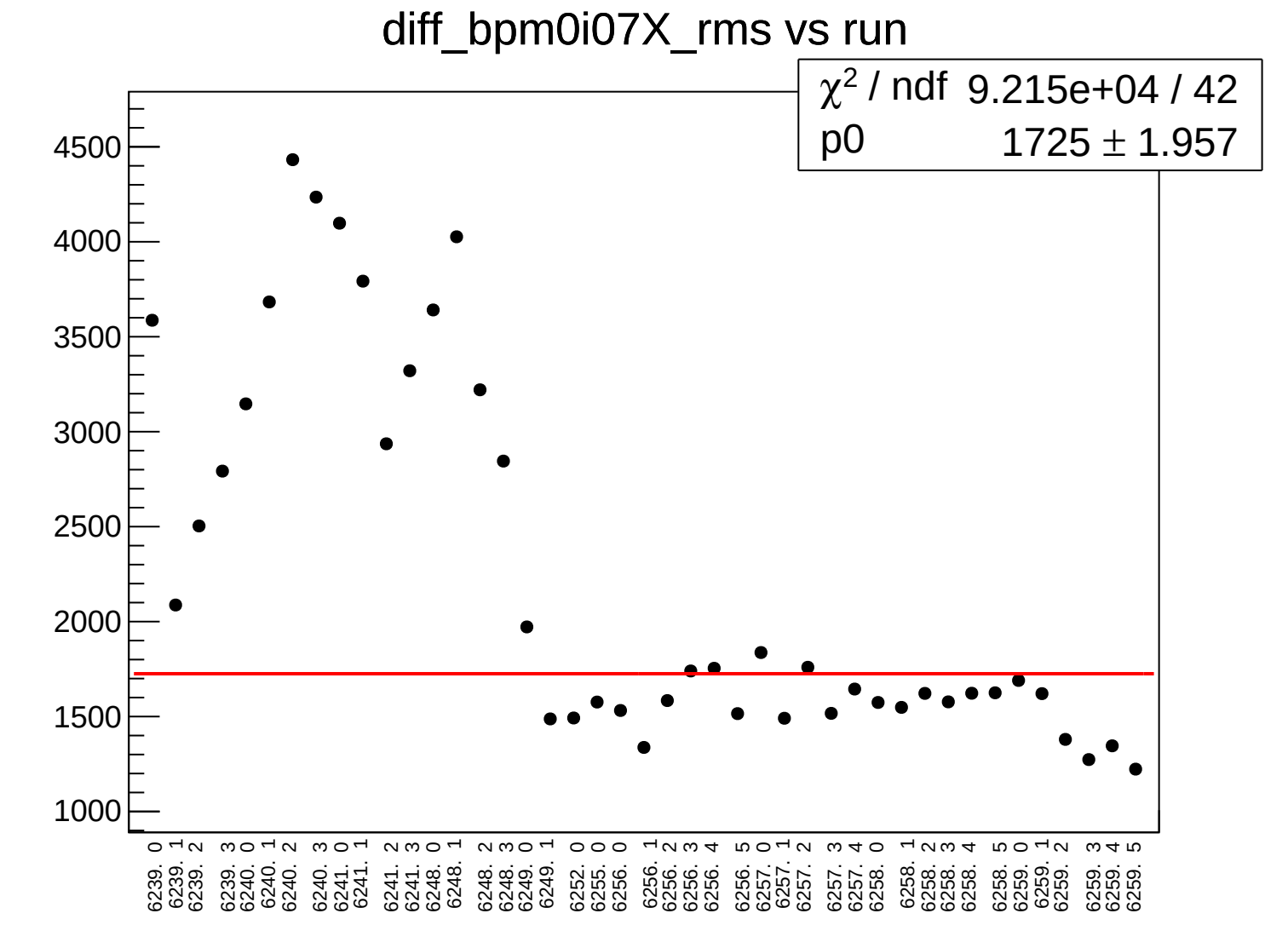

diff_bpm0i05Y_mean vs run
χ² / ndf 35.52 / 42
p0 3.032 ± 2.902
pull
Entries 43
Mean −124.9
Std Dev 0

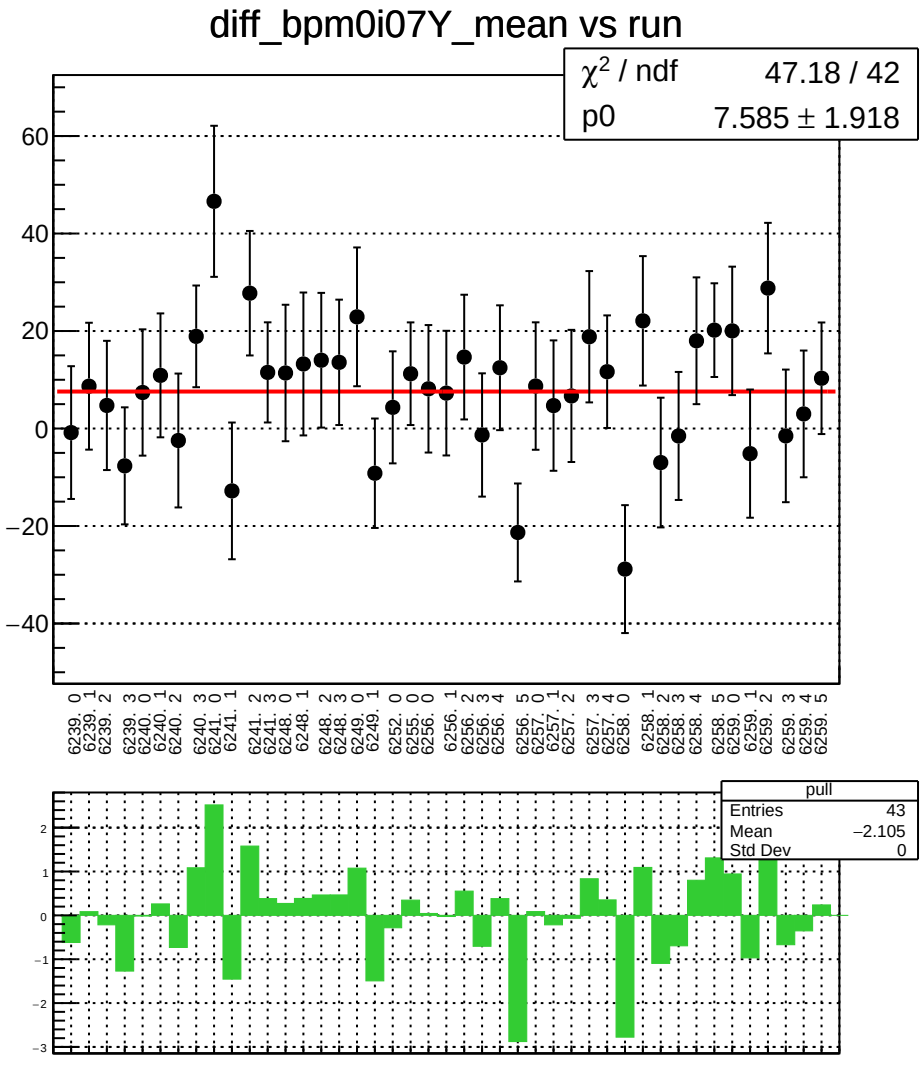

pull1D
Entries 43
Mean 0.005981
Std Dev 0.9089

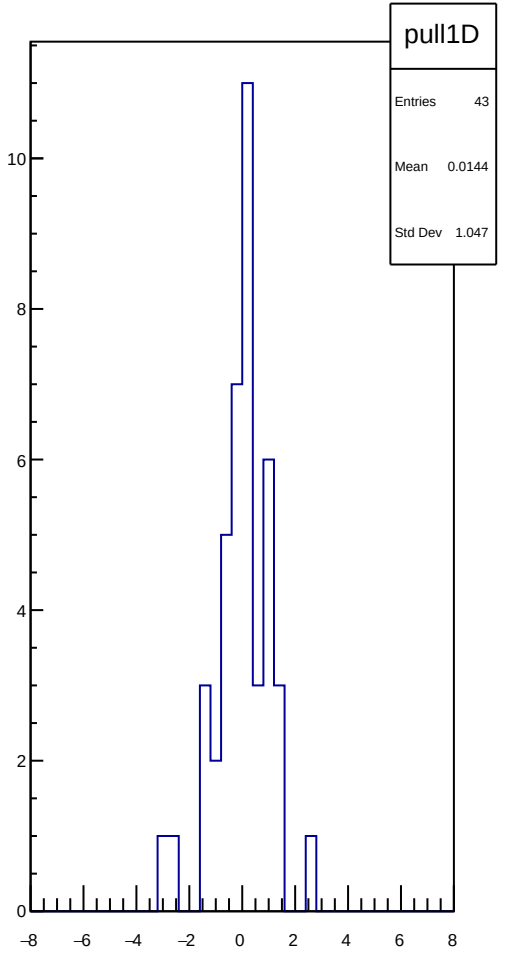

diff_bpm0i05Y_rms vs run
χ² / ndf 636.6 / 42
p0 1913 ± 2.052
2100
2050
2000
1950
1900
1850
1800
1750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

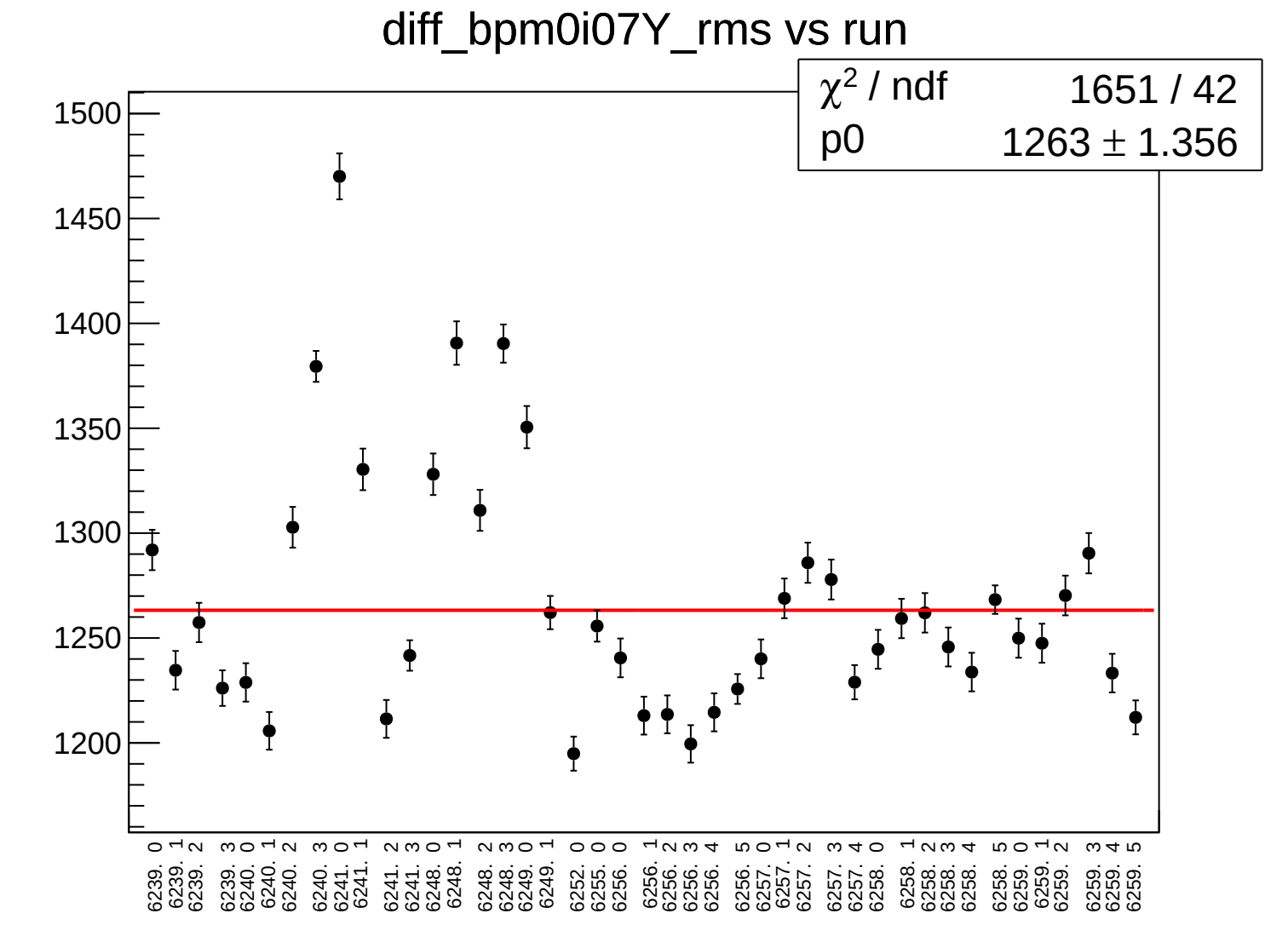

diff_bpm0i07X_mean vs run
χ² / ndf 75.35 / 42
p0 29.69 ± 2.768
250
200
150
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.59
Std Dev 29.59
4
3
2
1
0
−1
−2

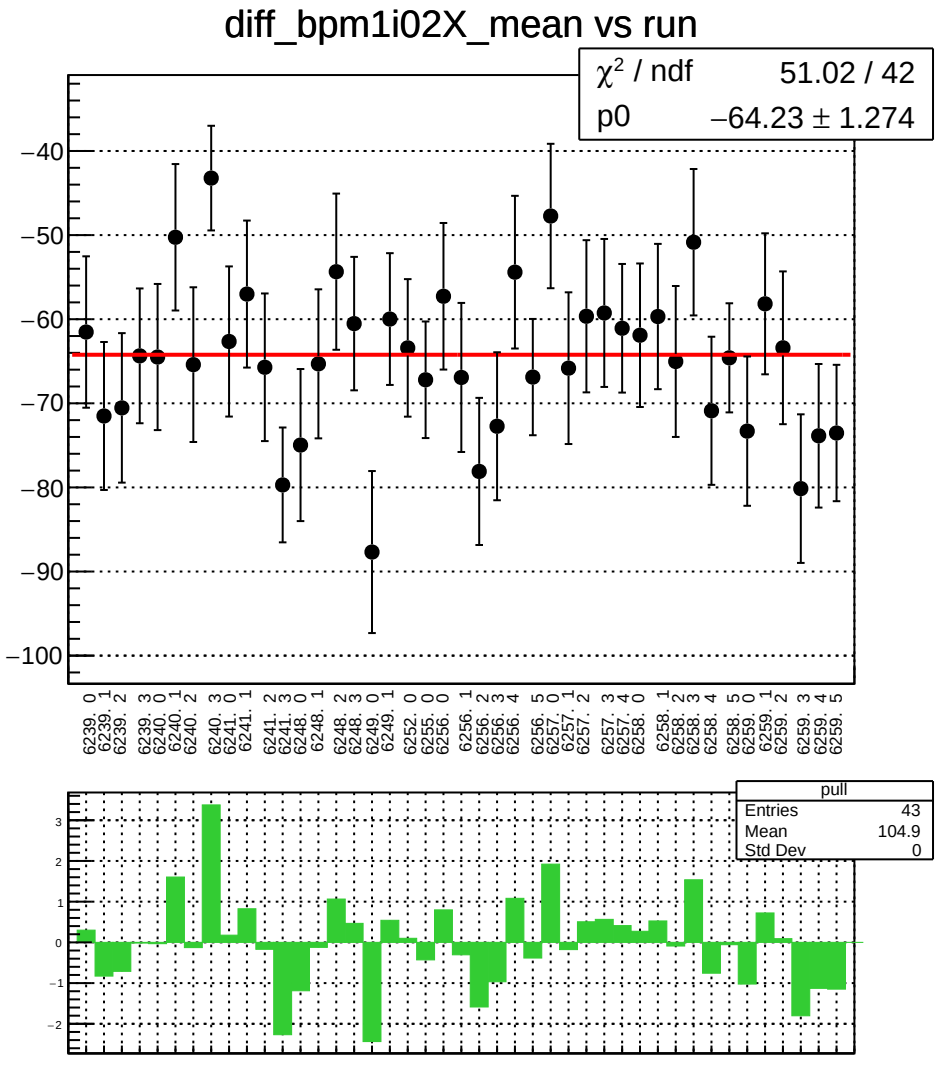

pull1D
Entries 43
Mean 0.07426
Std Dev 1.322
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

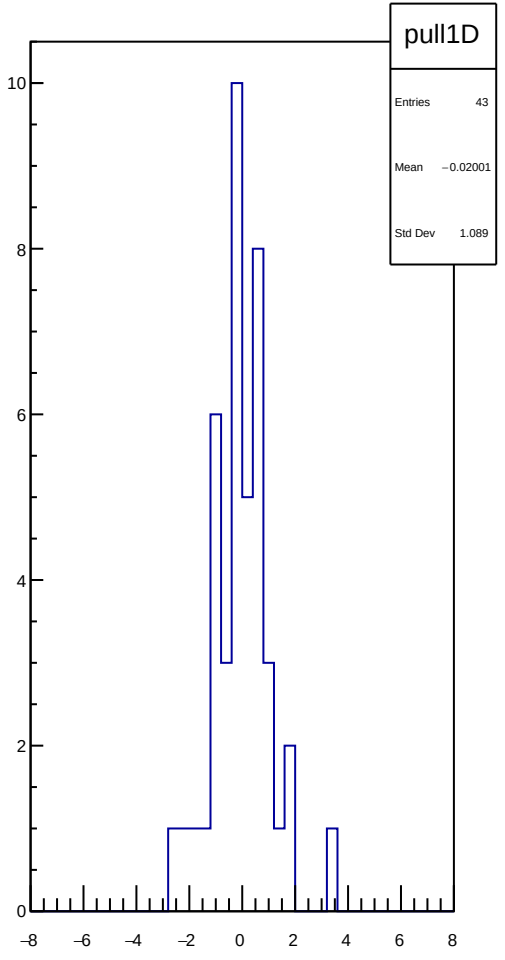

diff_bpm0i07X_rms vs run
χ² / ndf 9.215e+04 / 42
p0 1725 ± 1.957
4500
4000
3500
3000
2500
2000
1500
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

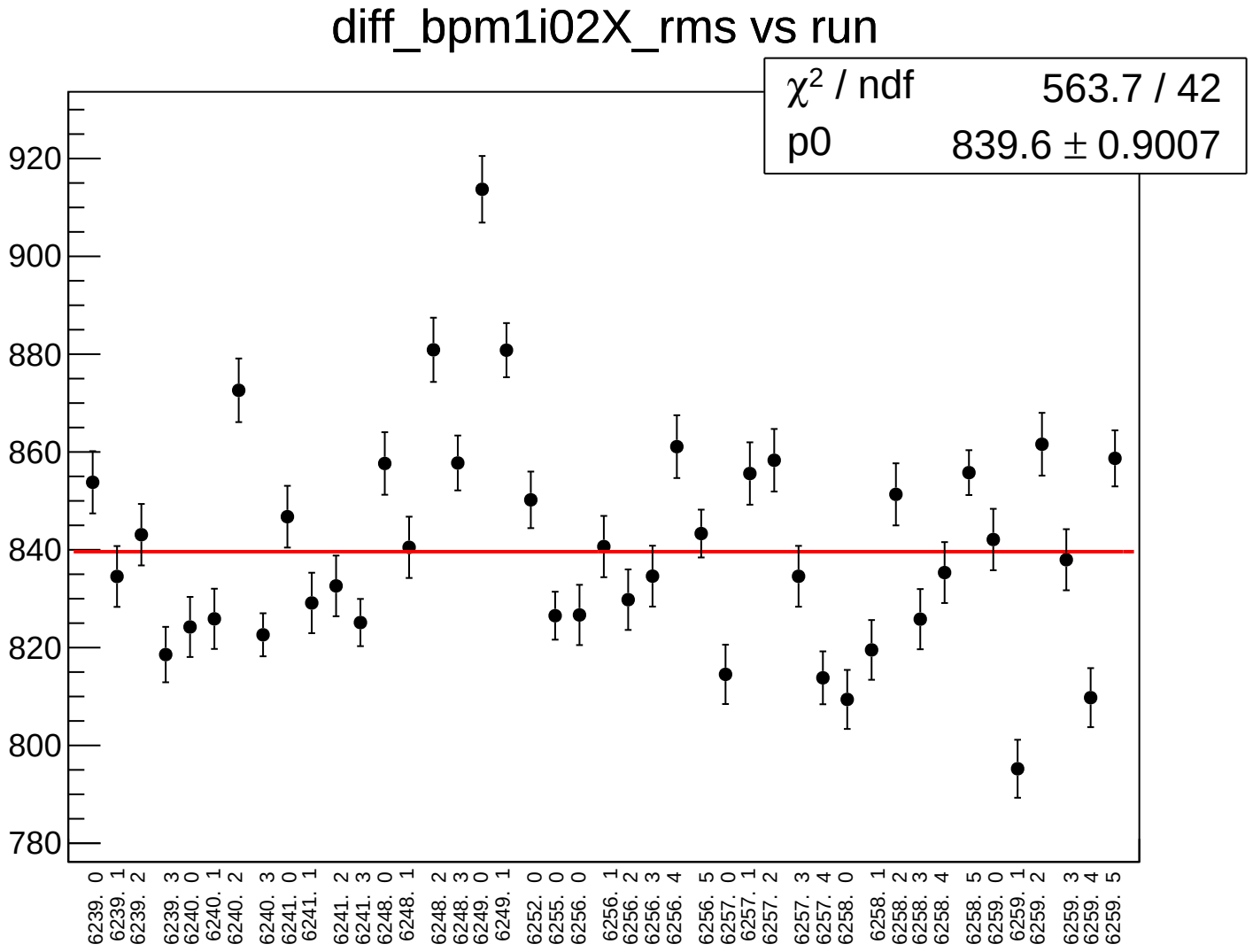

diff_bpm0i07Y_mean vs run
χ² / ndf 47.18 / 42
p0 7.585 ± 1.918
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2.105
Std Dev 0
2
1
0
−1
−2
−3

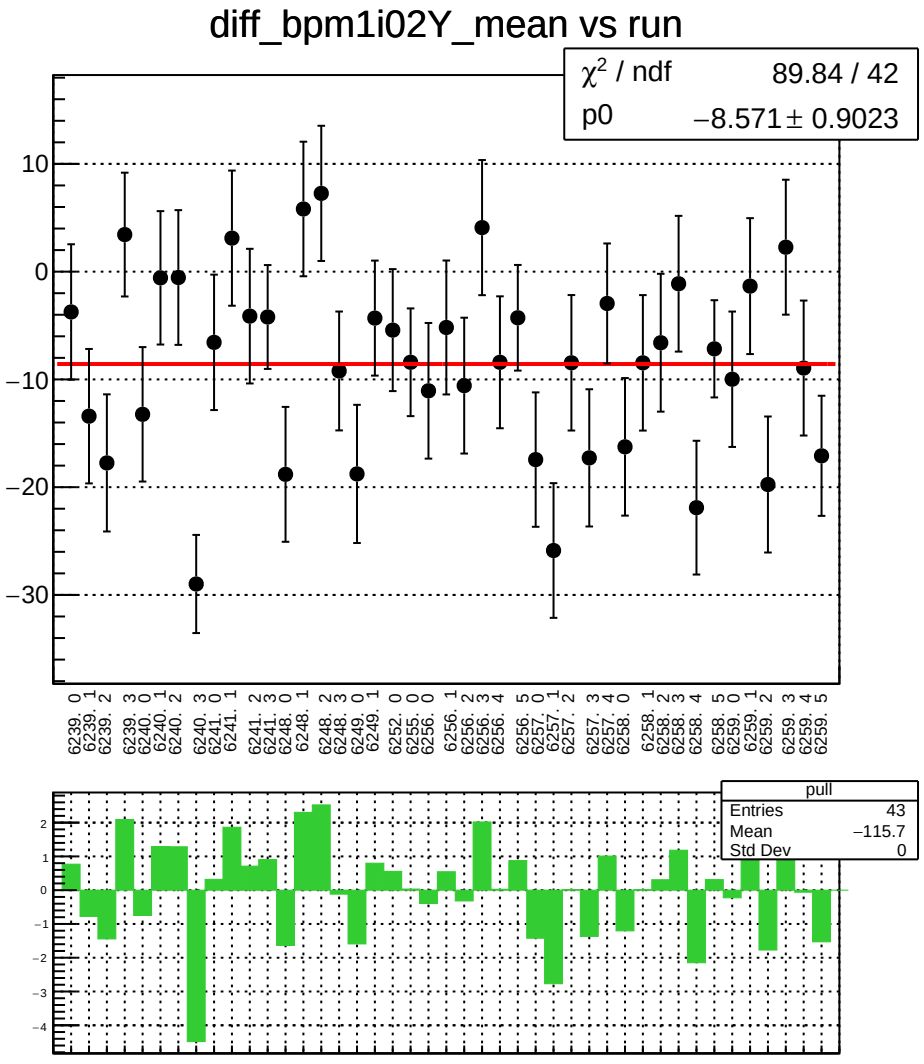

pull1D
Entries 43
Mean 0.0144
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

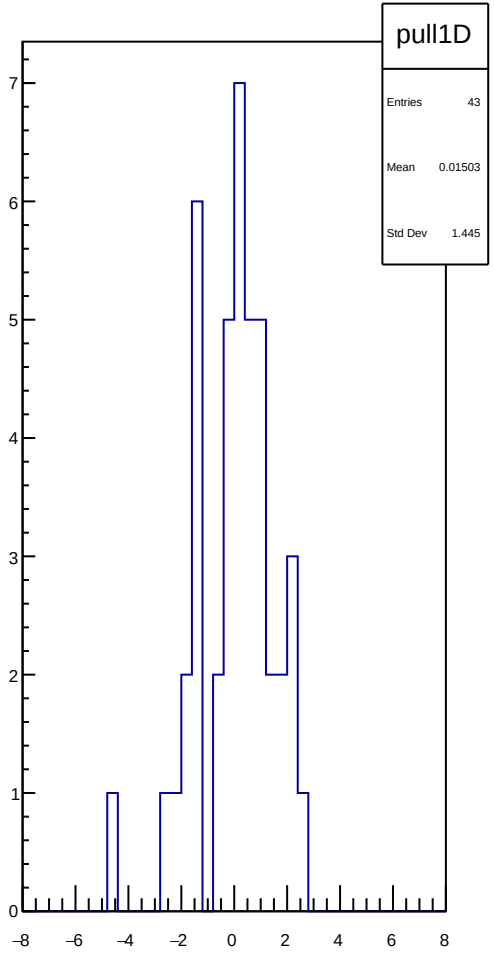

diff_bpm0i07Y_rms vs run
χ² / ndf 1651 / 42
p0 1263 ± 1.356
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

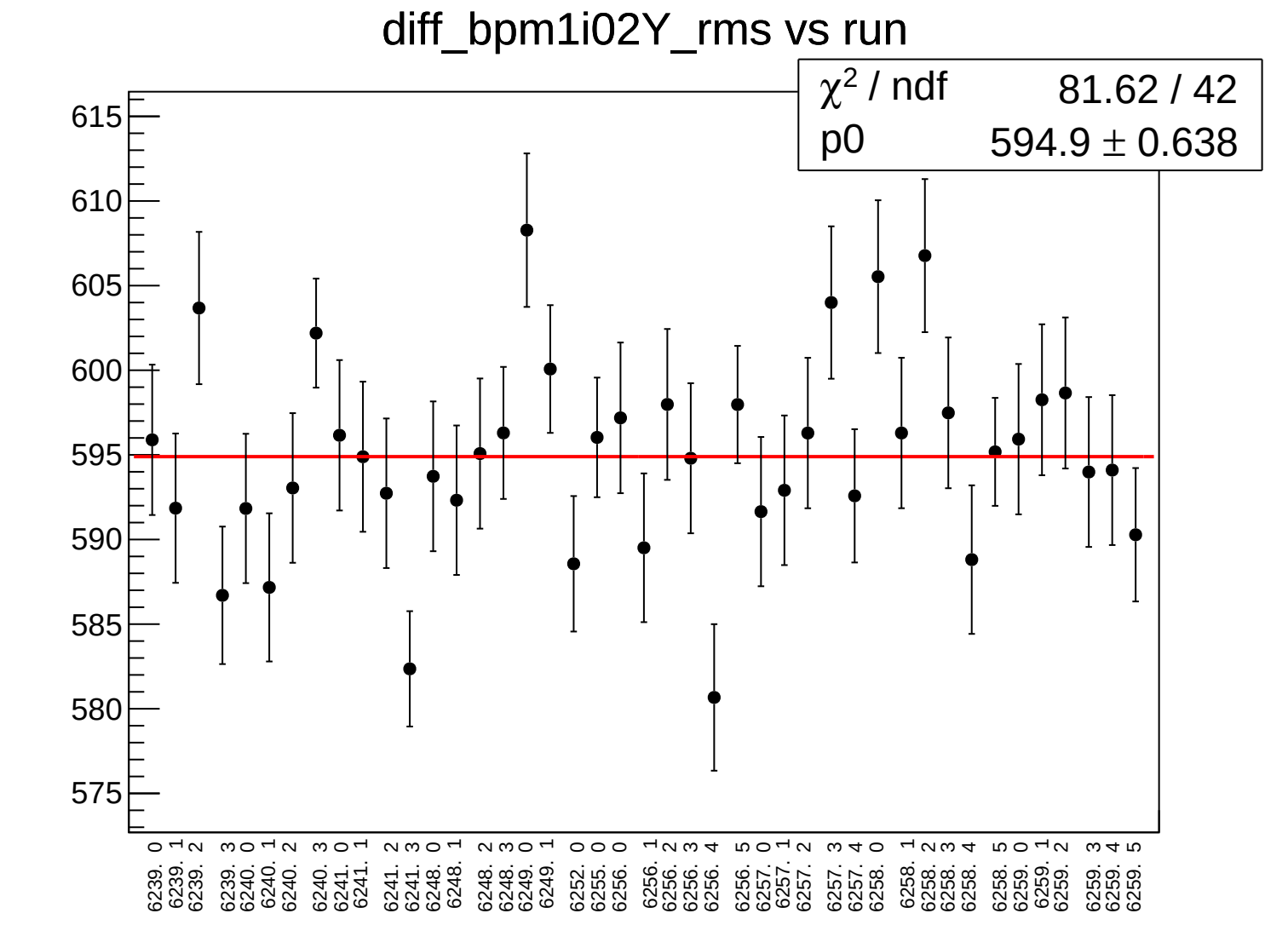

diff_bpm1i02X_mean vs run
χ² / ndf 51.02 / 42
p0 −64.23 ± 1.274
−40
−50
−60
−70
−80
−90
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.9
Std Dev 0
3
2
1
0
−1
−2

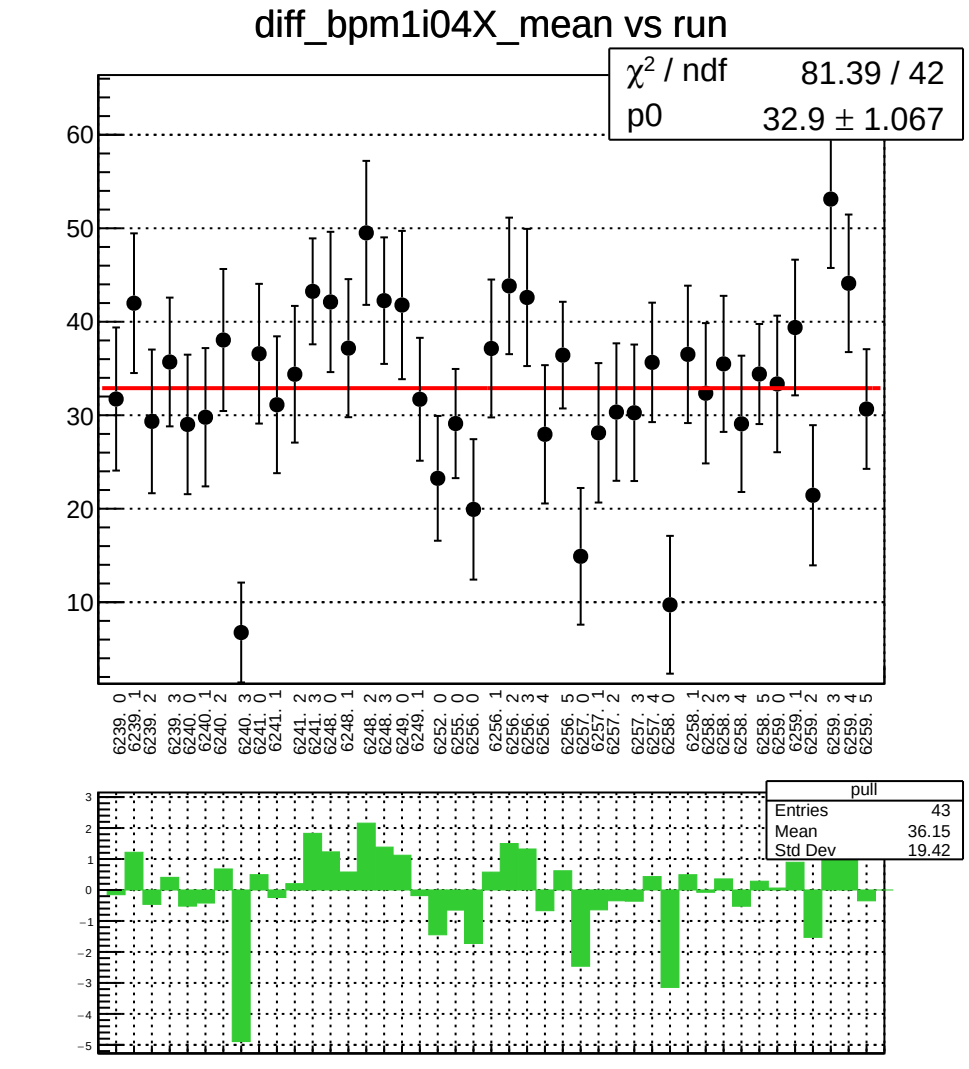

pull1D
Entries 43
Mean −0.02001
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

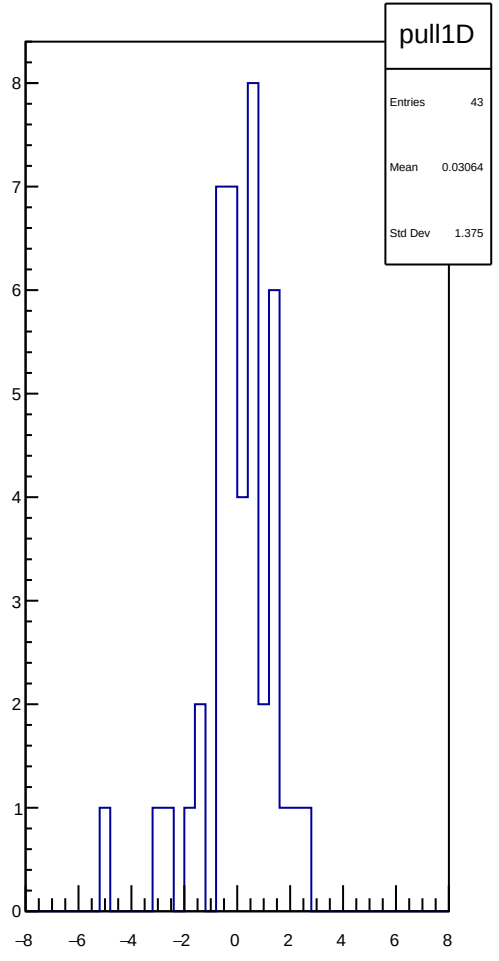

diff_bpm1i02X_rms vs run
χ² / ndf 563.7 / 42
p0 839.6 ± 0.9007
920
900
880
860
840
820
800
780
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

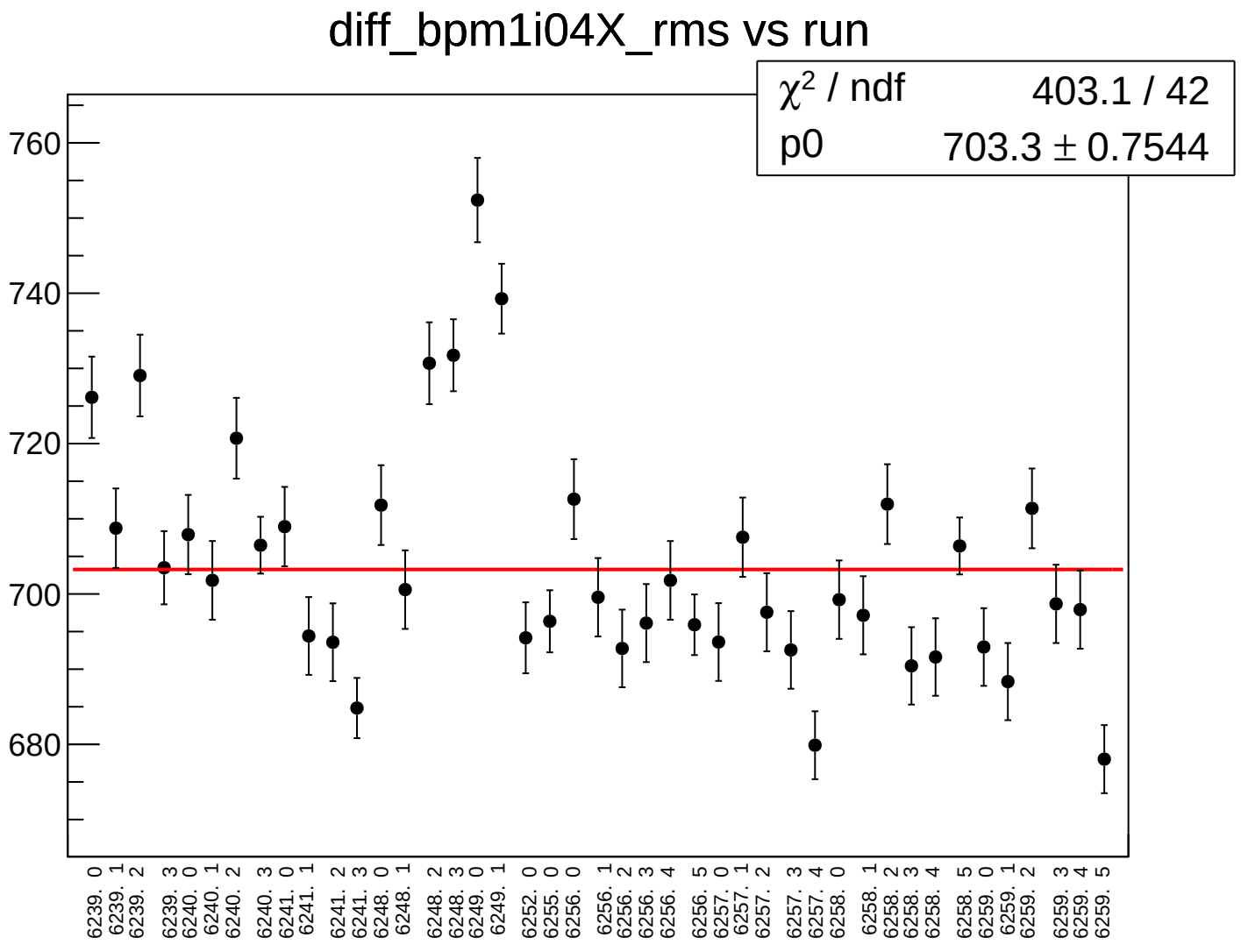

diff_bpm1i02Y_mean vs run
χ² / ndf 89.84 / 42
p0 −8.571 ± 0.9023
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −115.7
Std Dev 0
2
1
0
−1
−2
−3
−4

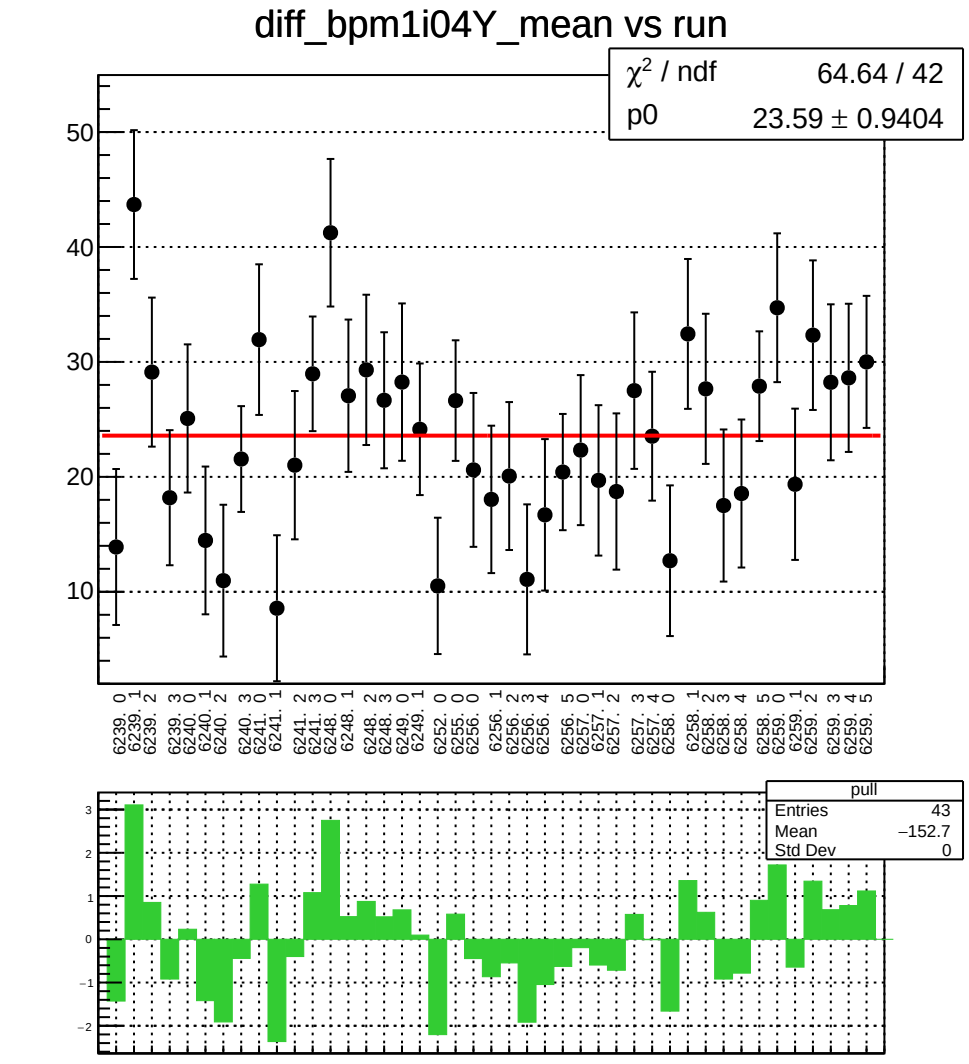

pull1D
Entries 43
Mean 0.01503
Std Dev 1.445
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

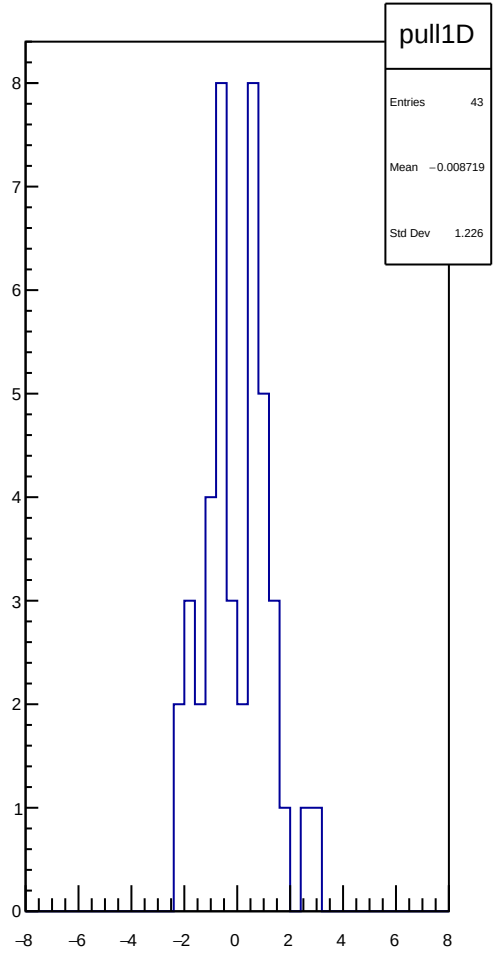

diff_bpm1i02Y_rms vs run
χ² / ndf 81.62 / 42
p0 594.9 ± 0.638
615
610
605
600
595
590
585
580
575
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

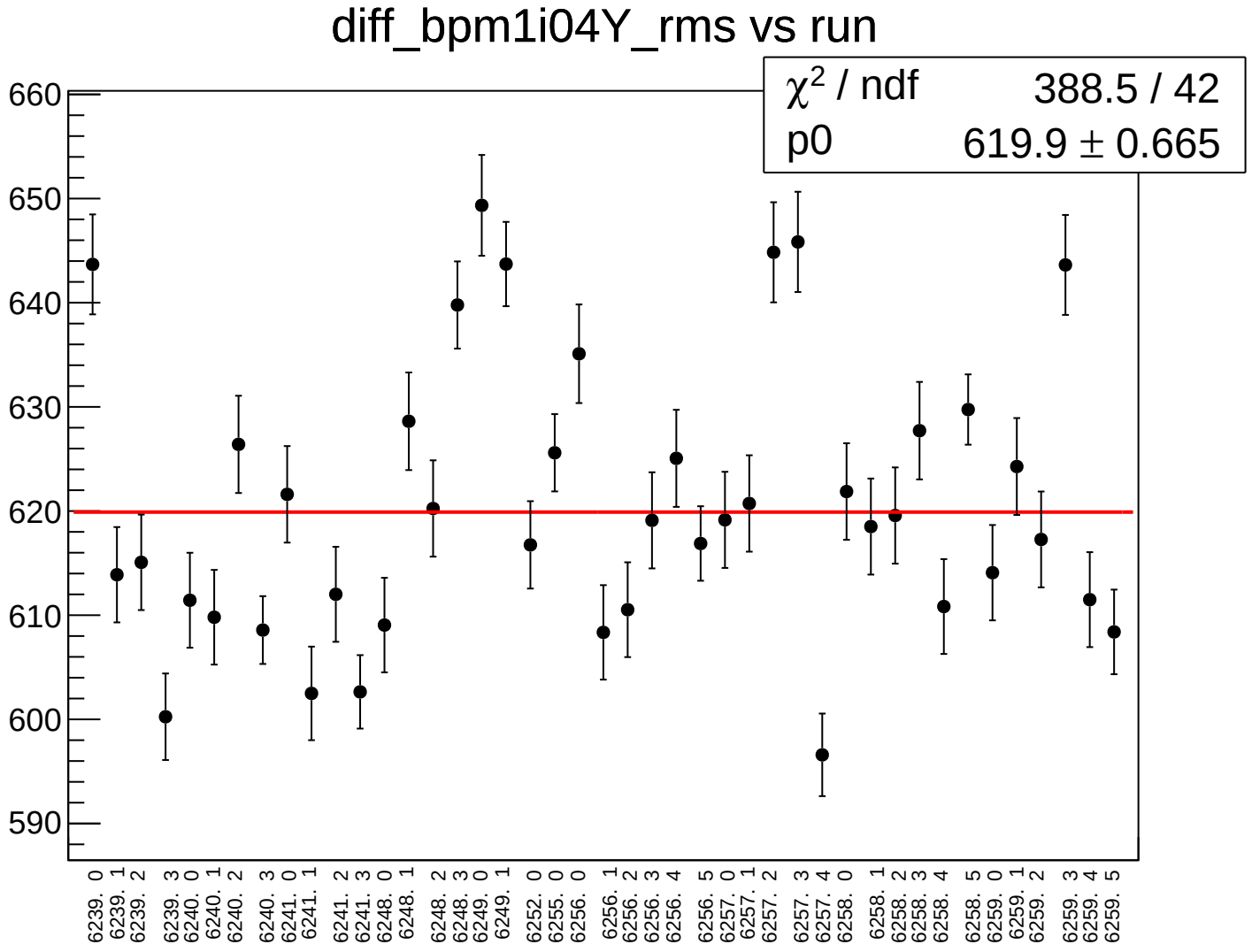

diff_bpm1i04X_mean vs run
χ² / ndf 81.39 / 42
p0 32.9 ± 1.067
pull
Entries 43
Mean 36.15
Std Dev 19.42

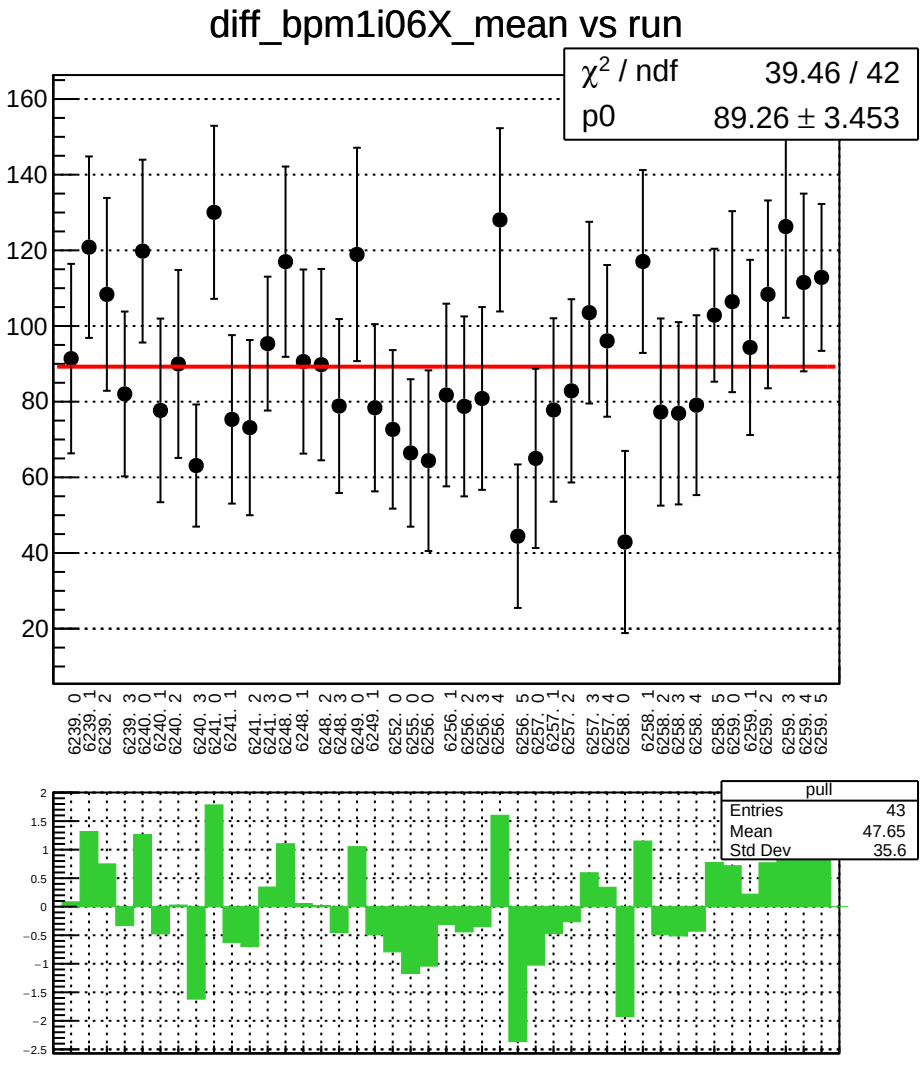

pull1D
Entries 43
Mean 0.03064
Std Dev 1.375

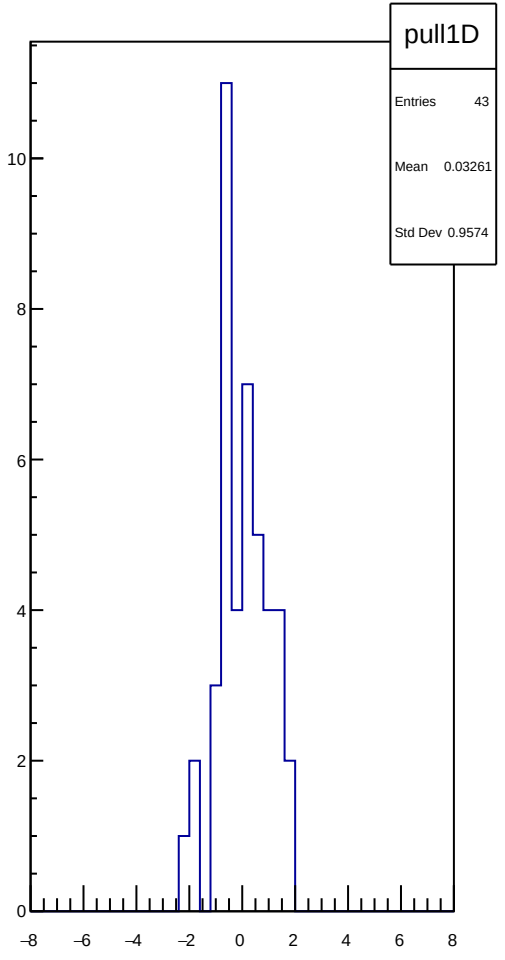

diff_bpm1i04X_rms vs run
χ² / ndf 403.1 / 42
p0 703.3 ± 0.7544
760
740
720
700
680
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

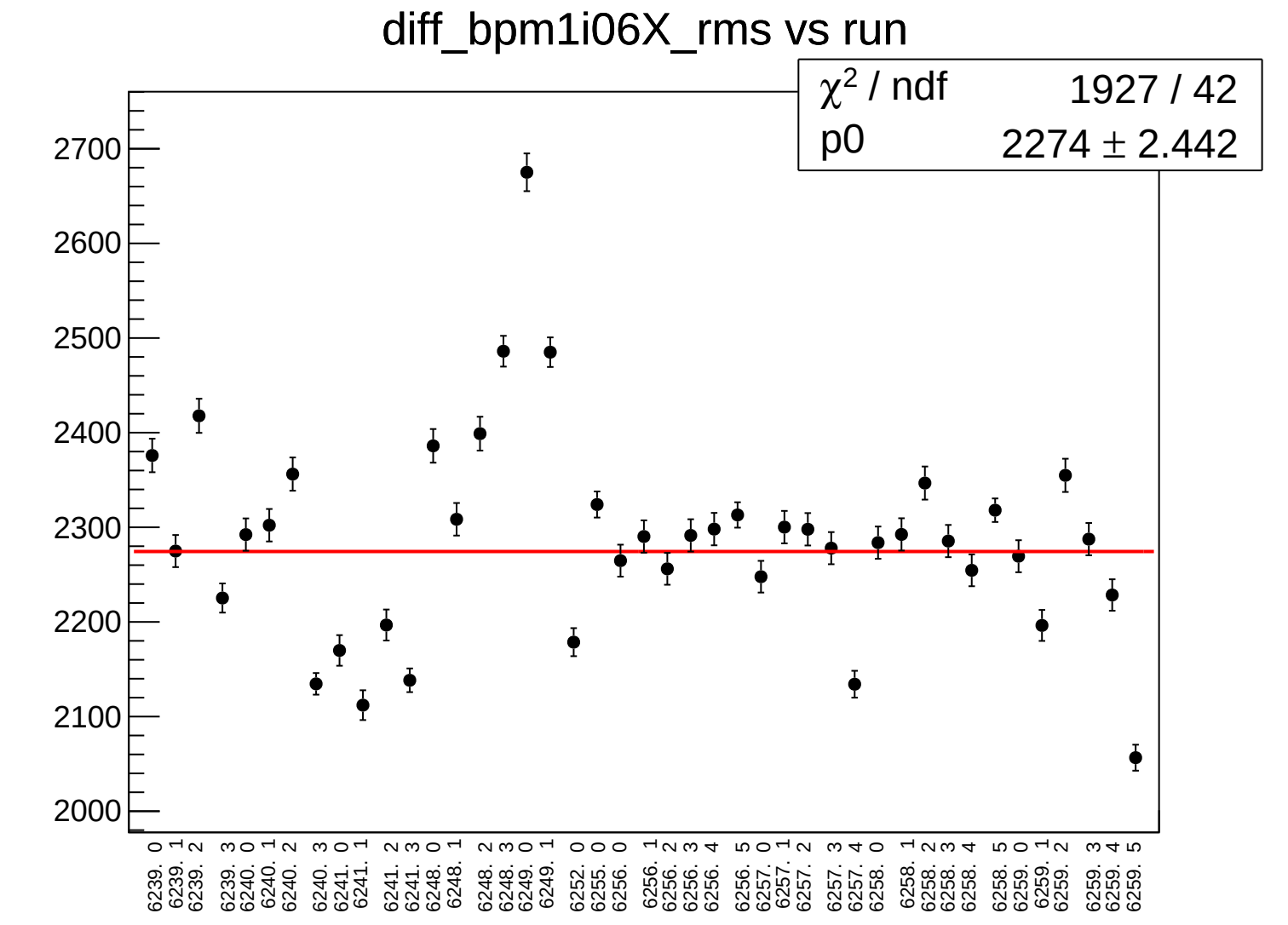

diff_bpm1i04Y_mean vs run
χ² / ndf 64.64 / 42
p0 23.59 ± 0.9404
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −152.7
Std Dev 0
3
2
1
0
−1
−2

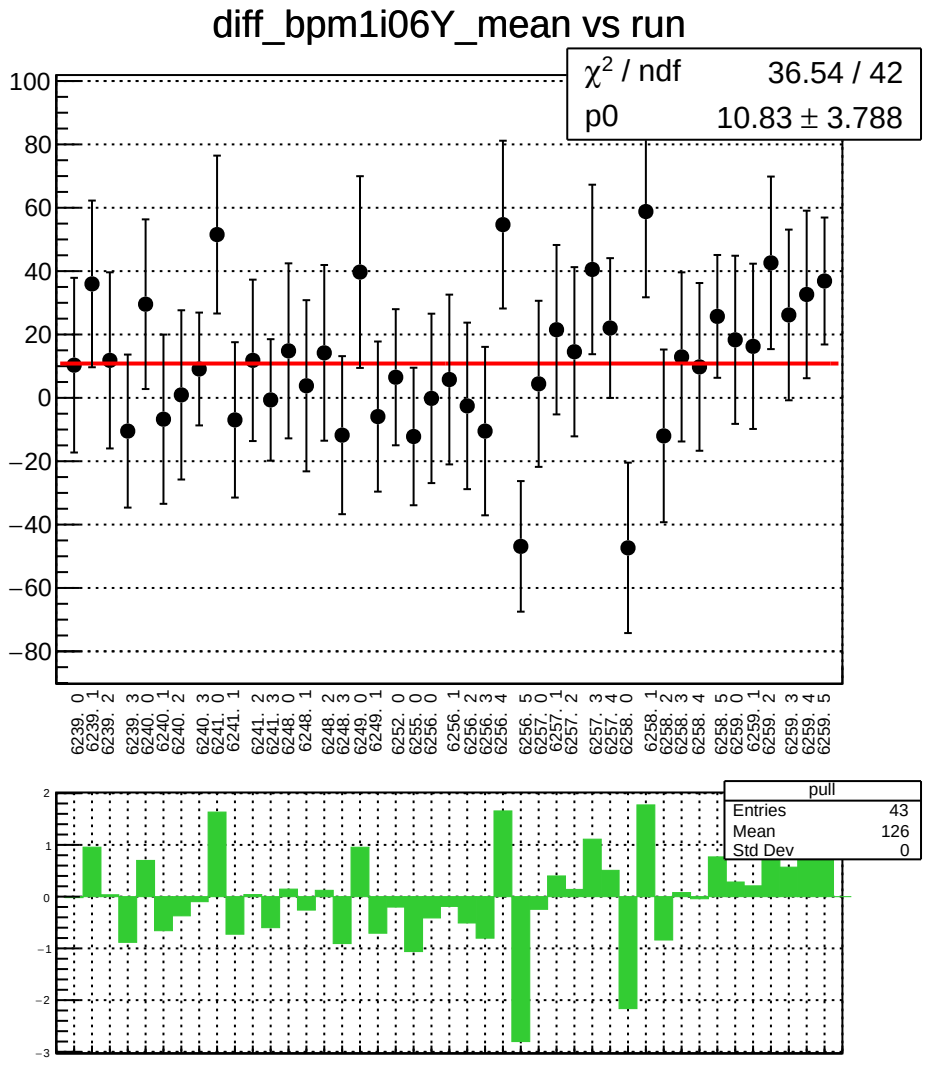

pull1D
Entries 43
Mean −0.008719
Std Dev 1.226
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

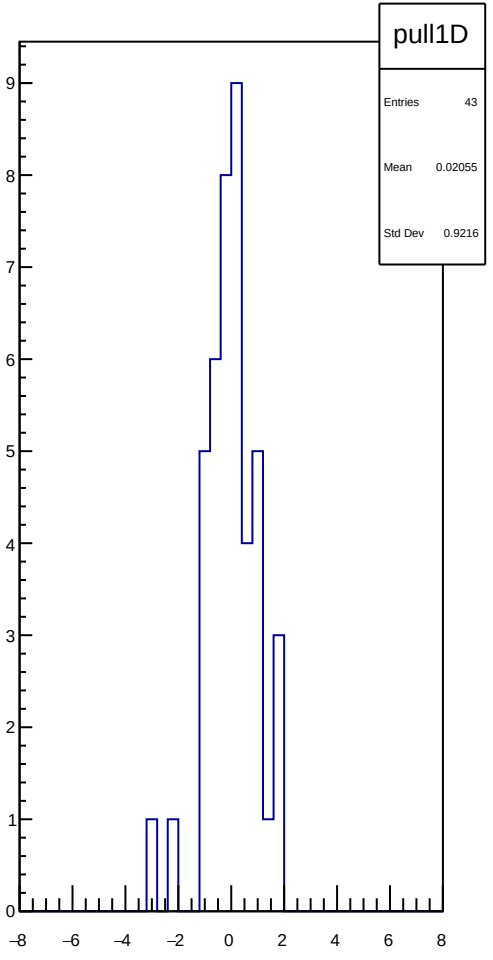

diff_bpm1i04Y_rms vs run
χ² / ndf 388.5 / 42
p0 619.9 ± 0.665
660
650
640
630
620
610
600
590
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

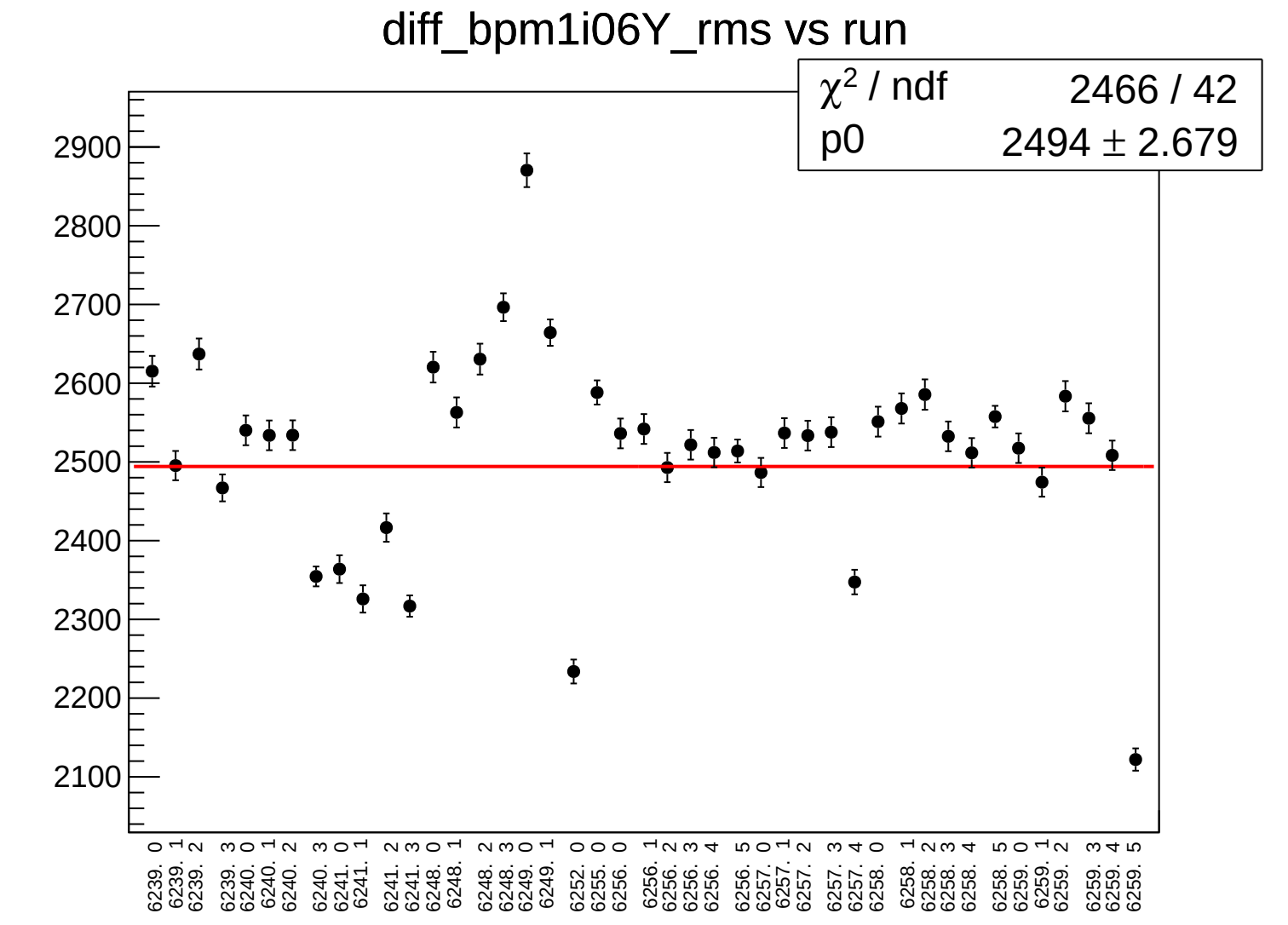

diff_bpm1i06X_mean vs run
χ² / ndf 39.46 / 42
p0 89.26 ± 3.453
pull
Entries 43
Mean 47.65
Std Dev 35.6

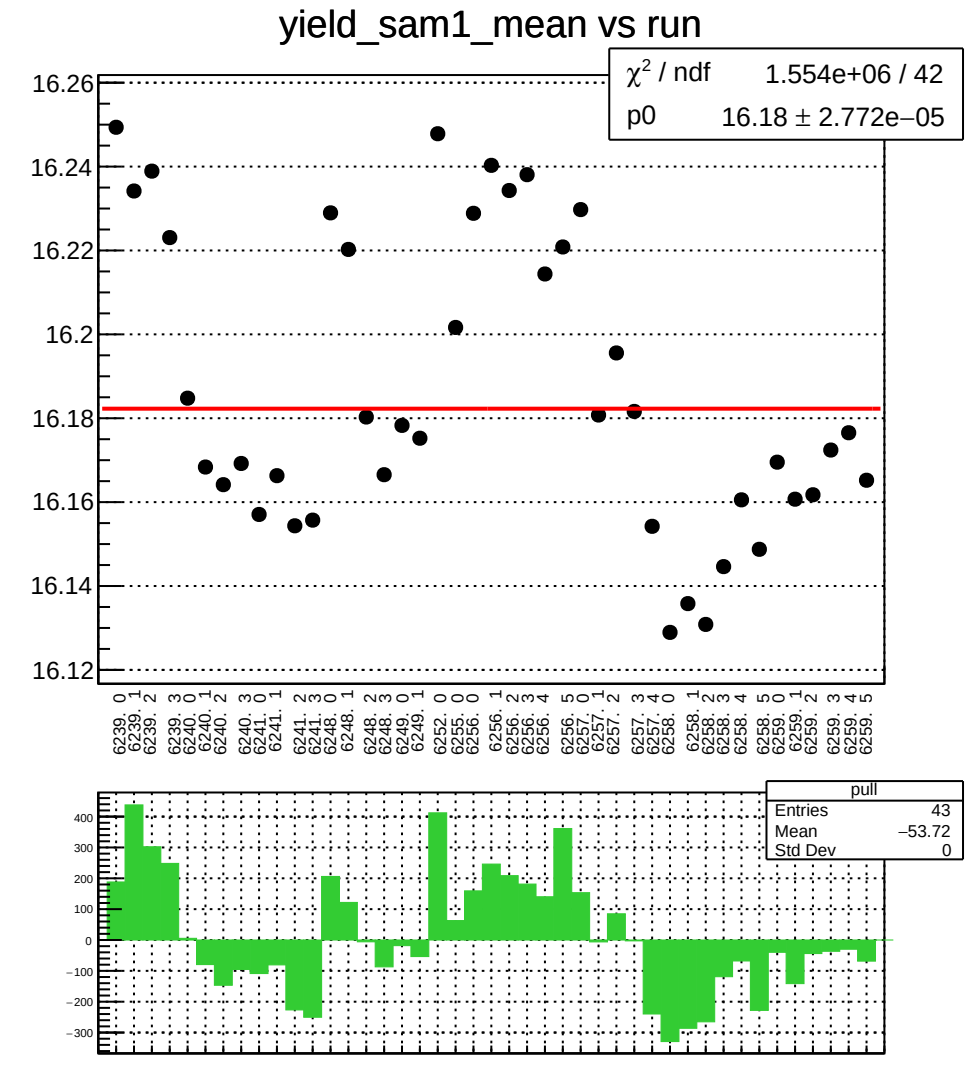

pull1D
Entries 43
Mean 0.03261
Std Dev 0.9574

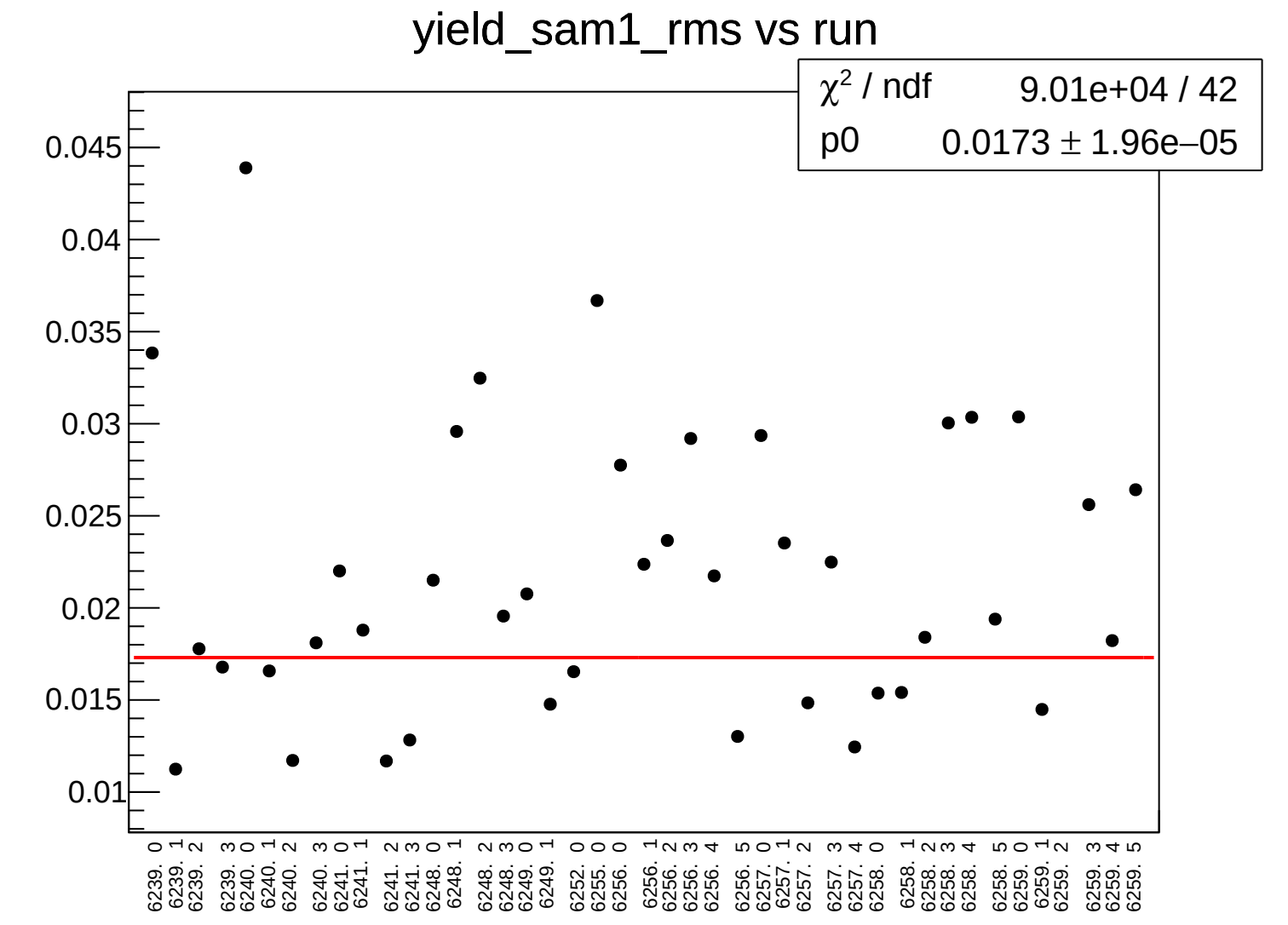

diff_bpm1i06X_rms vs run
χ² / ndf 1927 / 42
p0 2274 ± 2.442
2700
2600
2500
2400
2300
2200
2100
2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

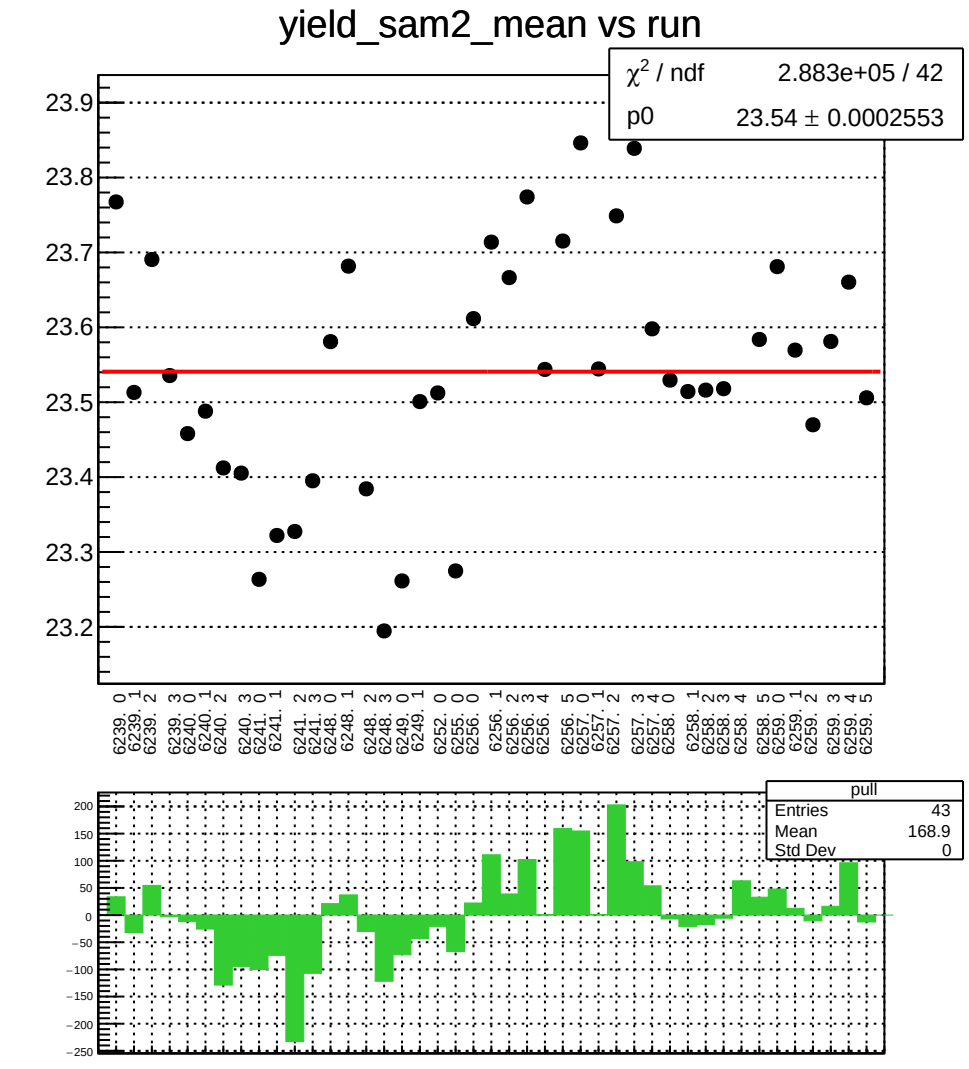

diff_bpm1i06Y_mean vs run
χ² / ndf 36.54 / 42
p0 10.83 ± 3.788
pull
Entries 43
Mean 126
Std Dev 0

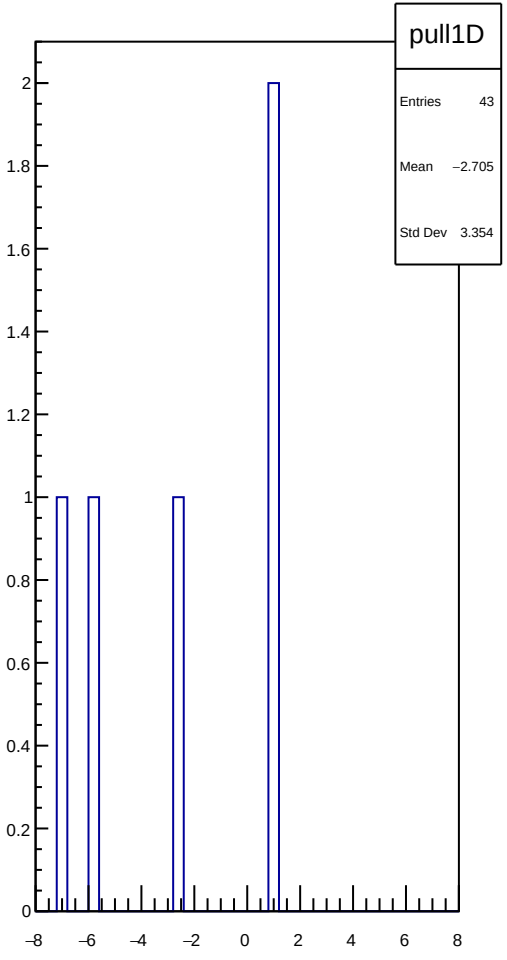

pull1D
Entries 43
Mean 0.02055
Std Dev 0.9216

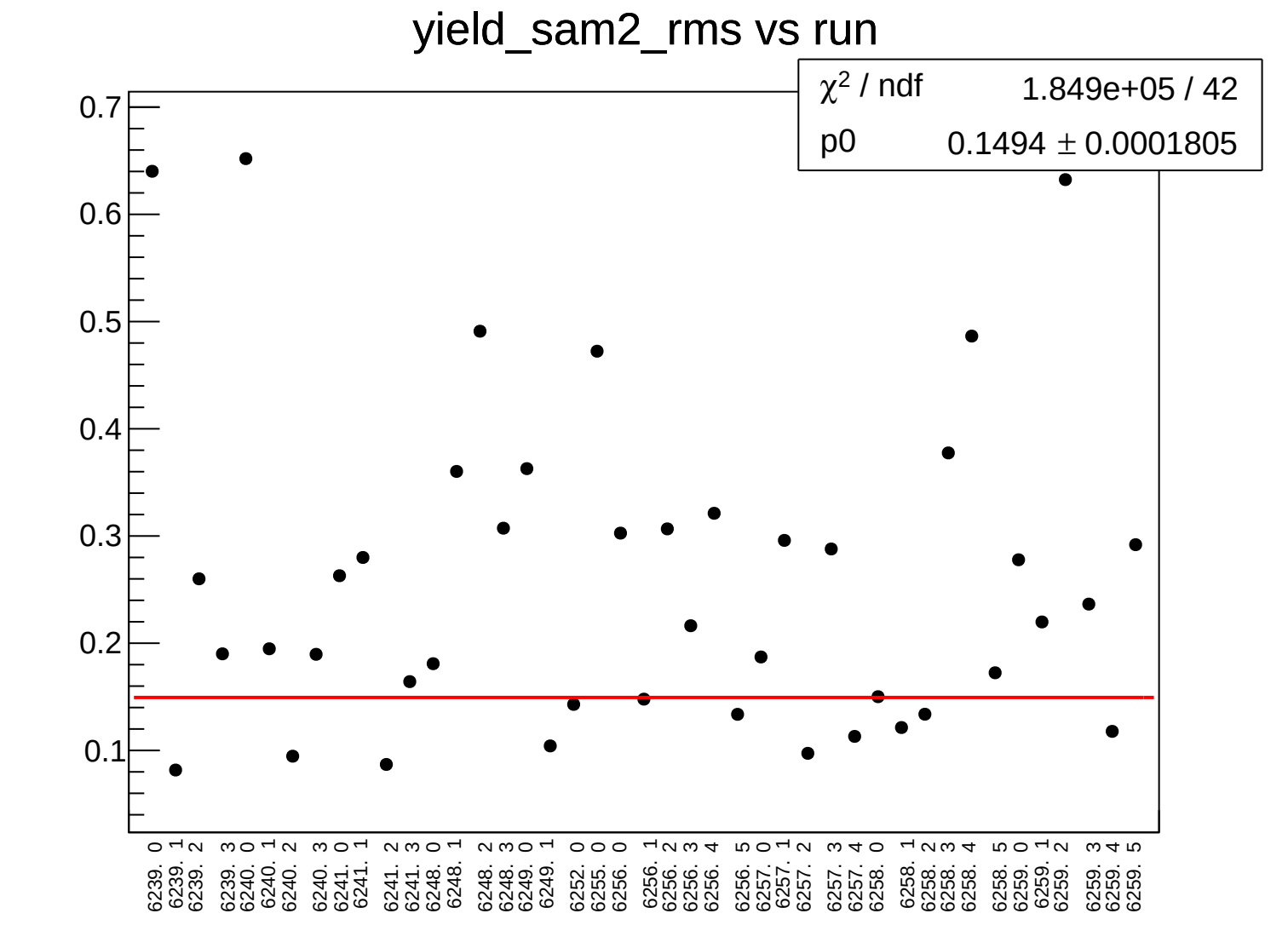

diff_bpm1i06Y_rms vs run
χ² / ndf 2466 / 42
p0 2494 ± 2.679
2900
2800
2700
2600
2500
2400
2300
2200
2100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

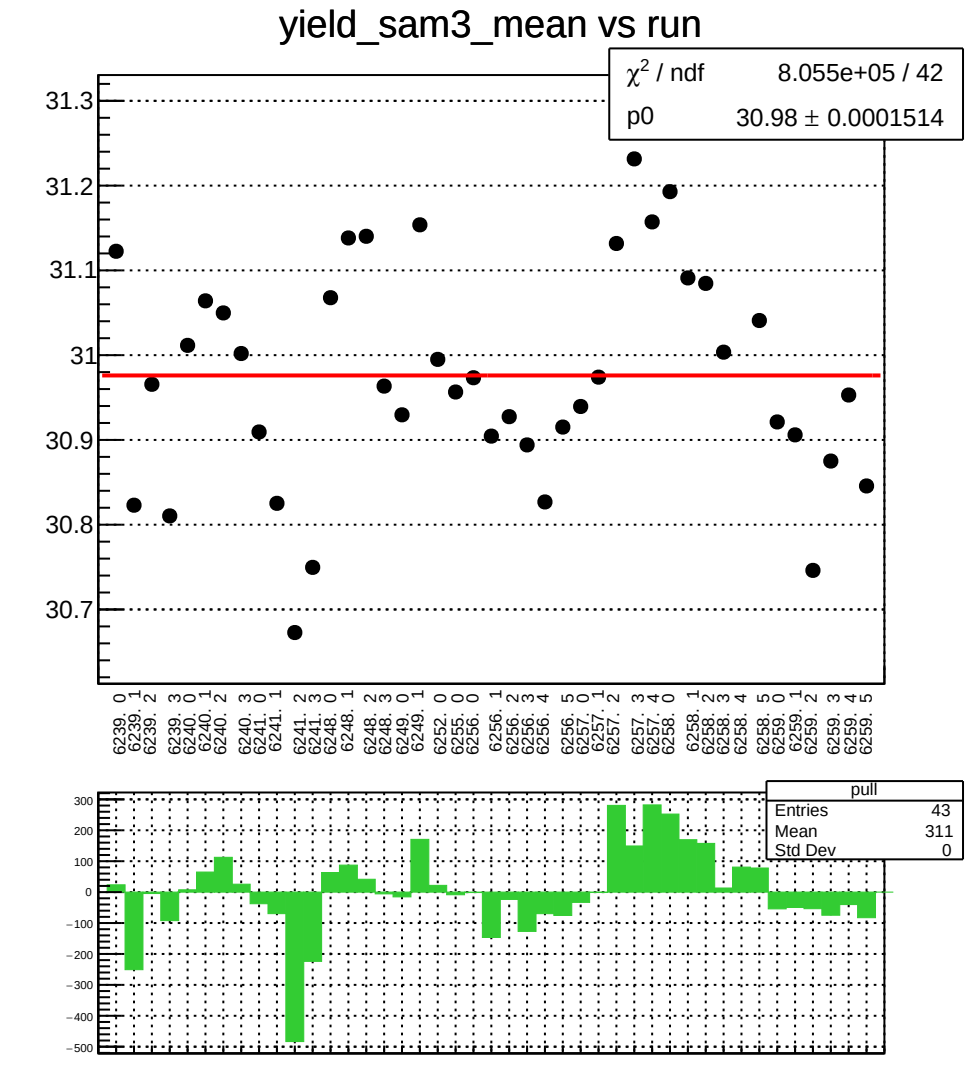

yield_sam1_mean vs run
χ² / ndf 1.554e+06 / 42
p0 16.18 ± 2.772e−05
16.26
16.24
16.22
16.2
16.18
16.16
16.14
16.12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −53.72
Std Dev 0
400
300
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean −2.313
Std Dev 4.647
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

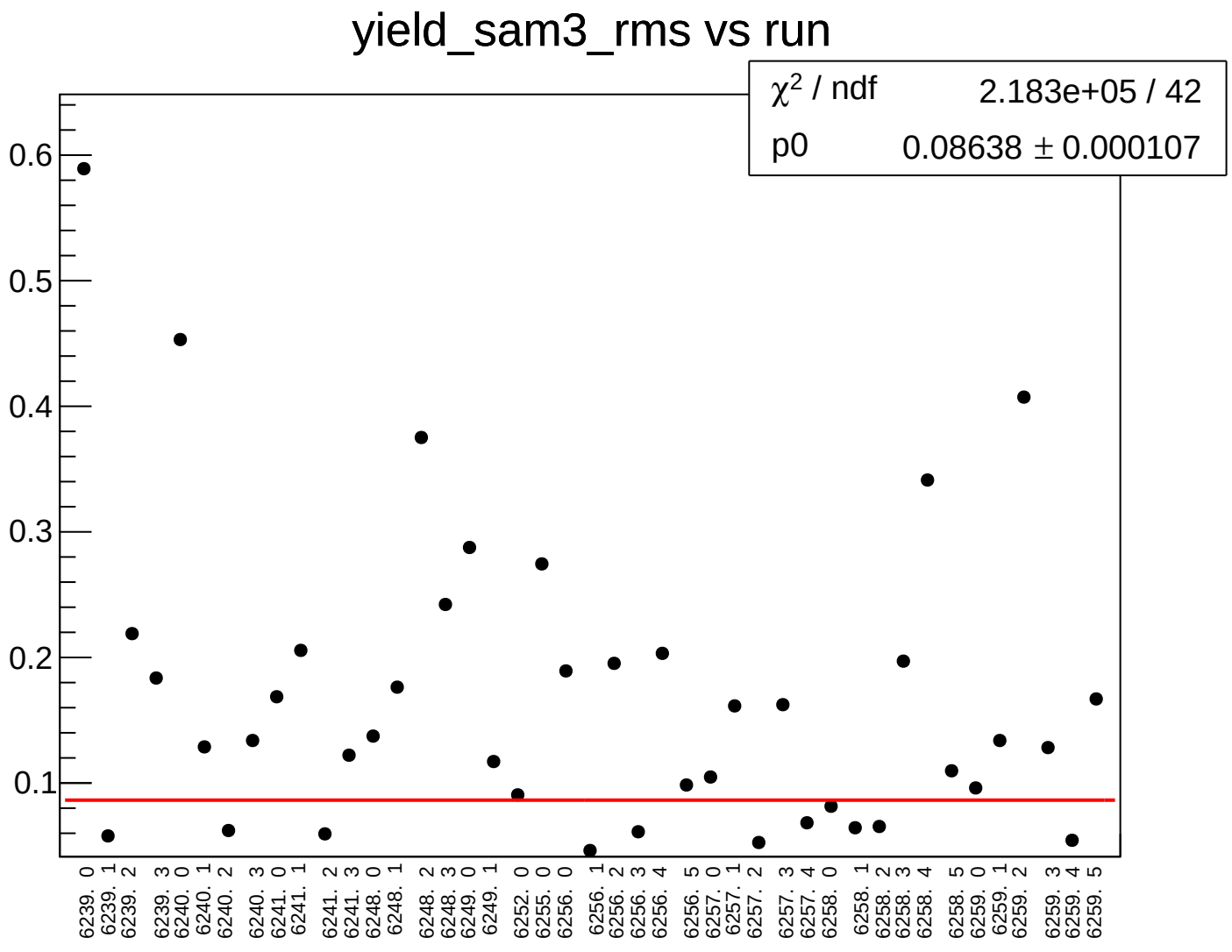

yield_sam1_rms vs run
χ² / ndf 9.01e+04 / 42
p0 0.0173 ± 1.96e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

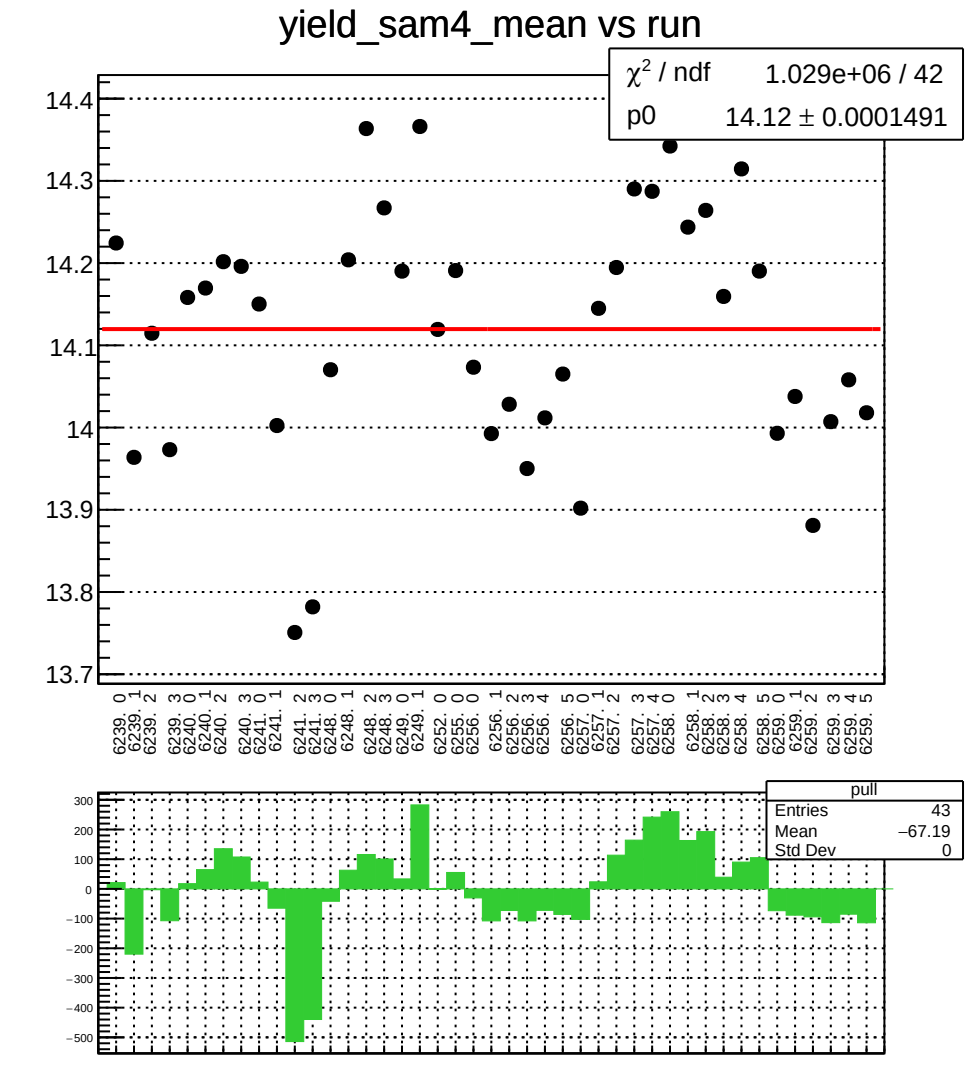

yield_sam2_mean vs run
χ² / ndf 2.883e+05 / 42
p0 23.54 ± 0.0002553
23.9
23.8
23.7
23.6
23.5
23.4
23.3
23.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 168.9
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

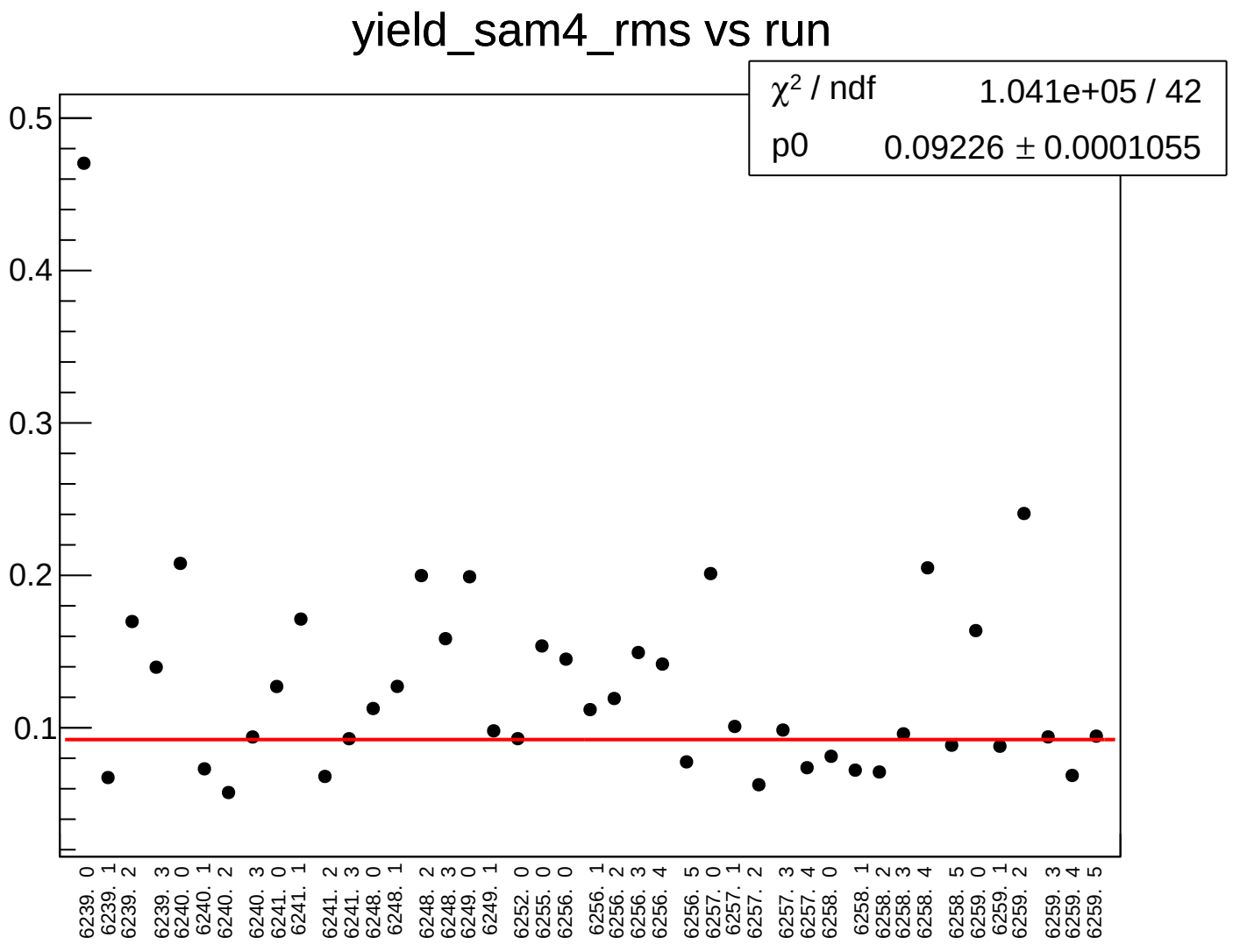

pull1D
Entries 43
Mean −2.705
Std Dev 3.354
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

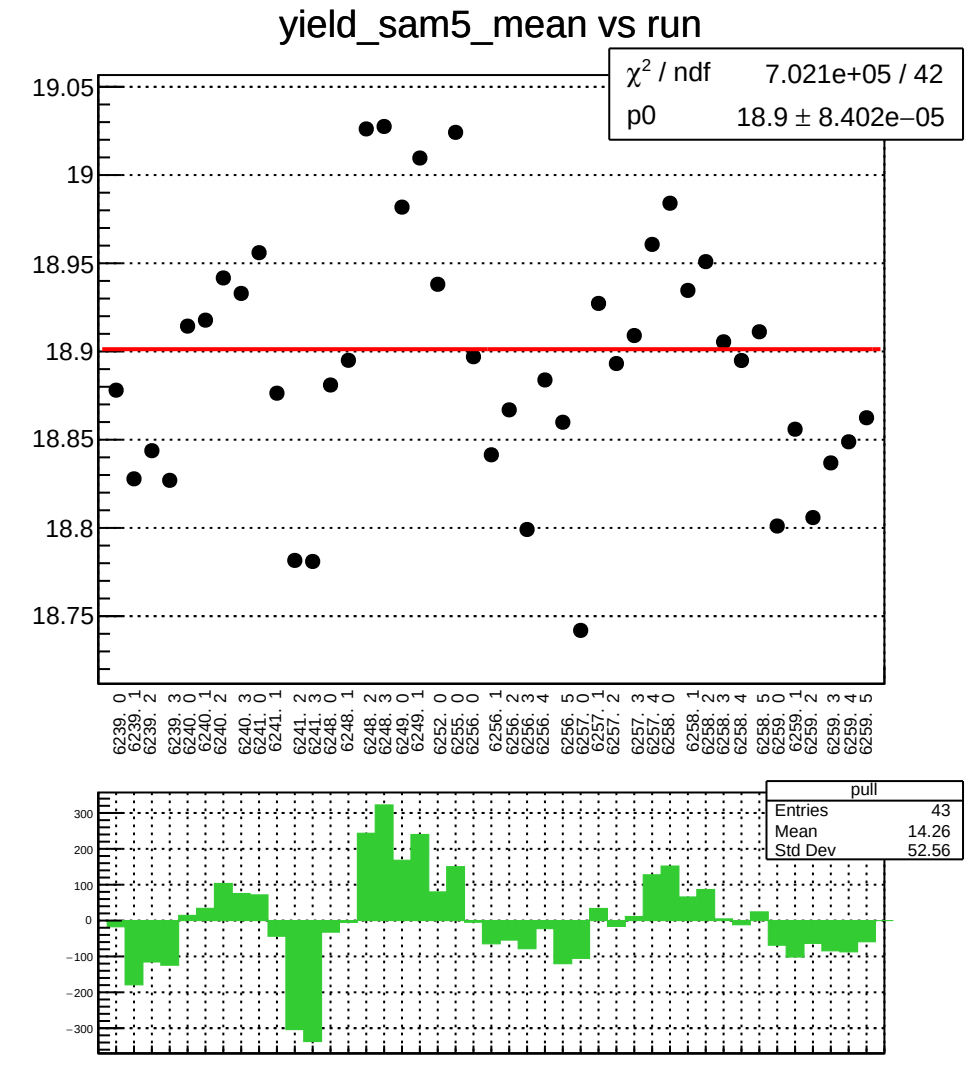

yield_sam2_rms vs run
χ² / ndf 1.849e+05 / 42
p0 0.1494 ± 0.0001805
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

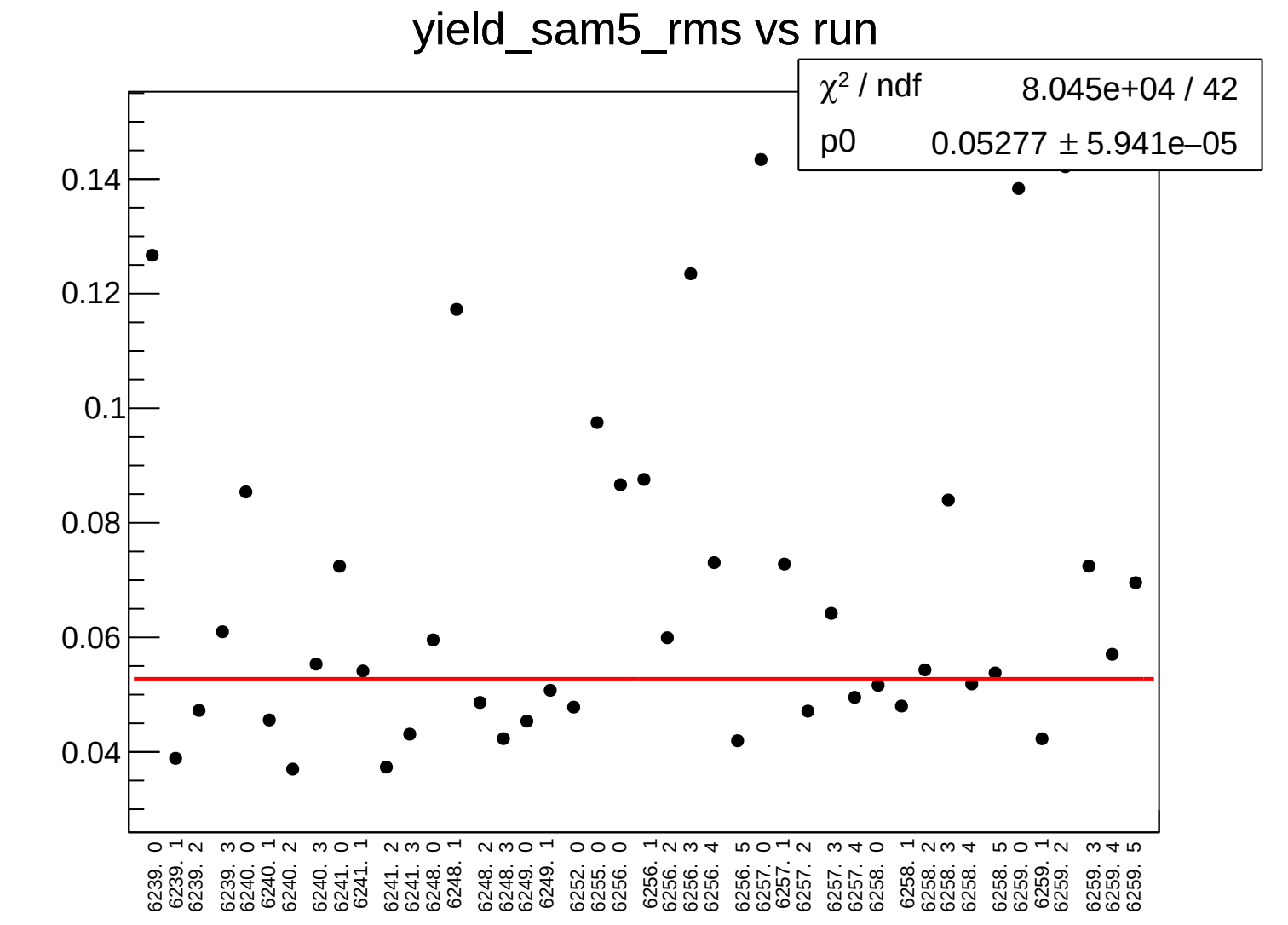

yield_sam3_mean vs run
χ² / ndf 8.055e+05 / 42
p0 30.98 ± 0.0001514
31.3
31.2
31.1
31
30.9
30.8
30.7
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 311
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 43
Mean −1.041
Std Dev 4.579
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

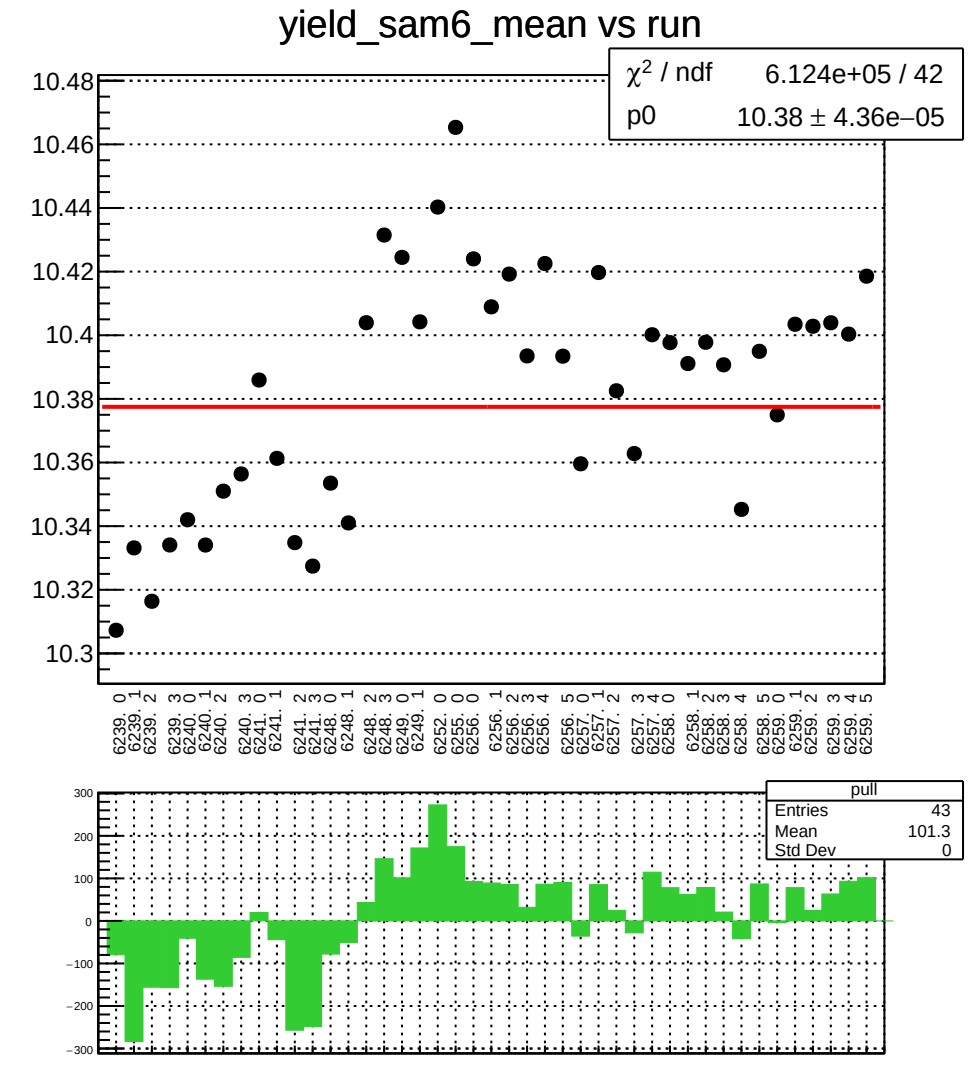

yield_sam3_rms vs run
χ² / ndf 2.183e+05 / 42
p0 0.08638 ± 0.000107
0.6
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

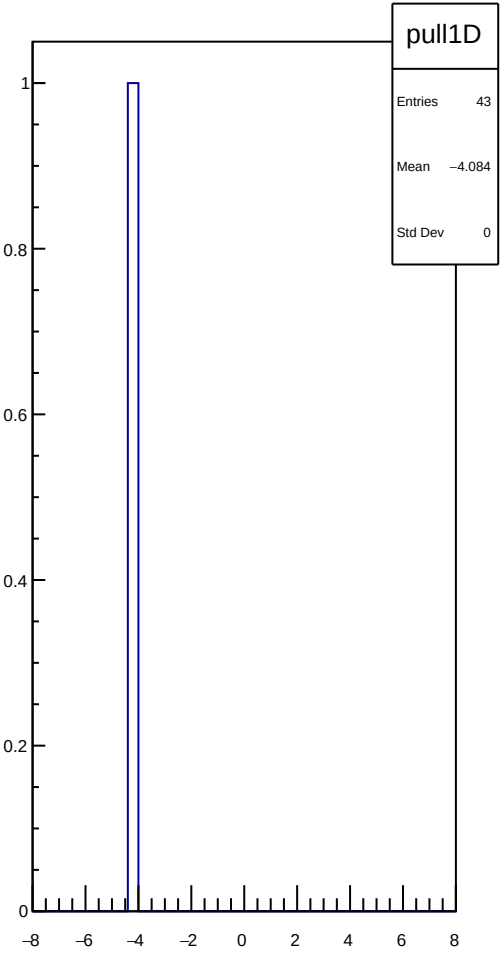

yield_sam4_mean vs run
χ² / ndf 1.029e+06 / 42
p0 14.12 ± 0.0001491
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −67.19
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 43
Mean −1.633
Std Dev 1.187
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

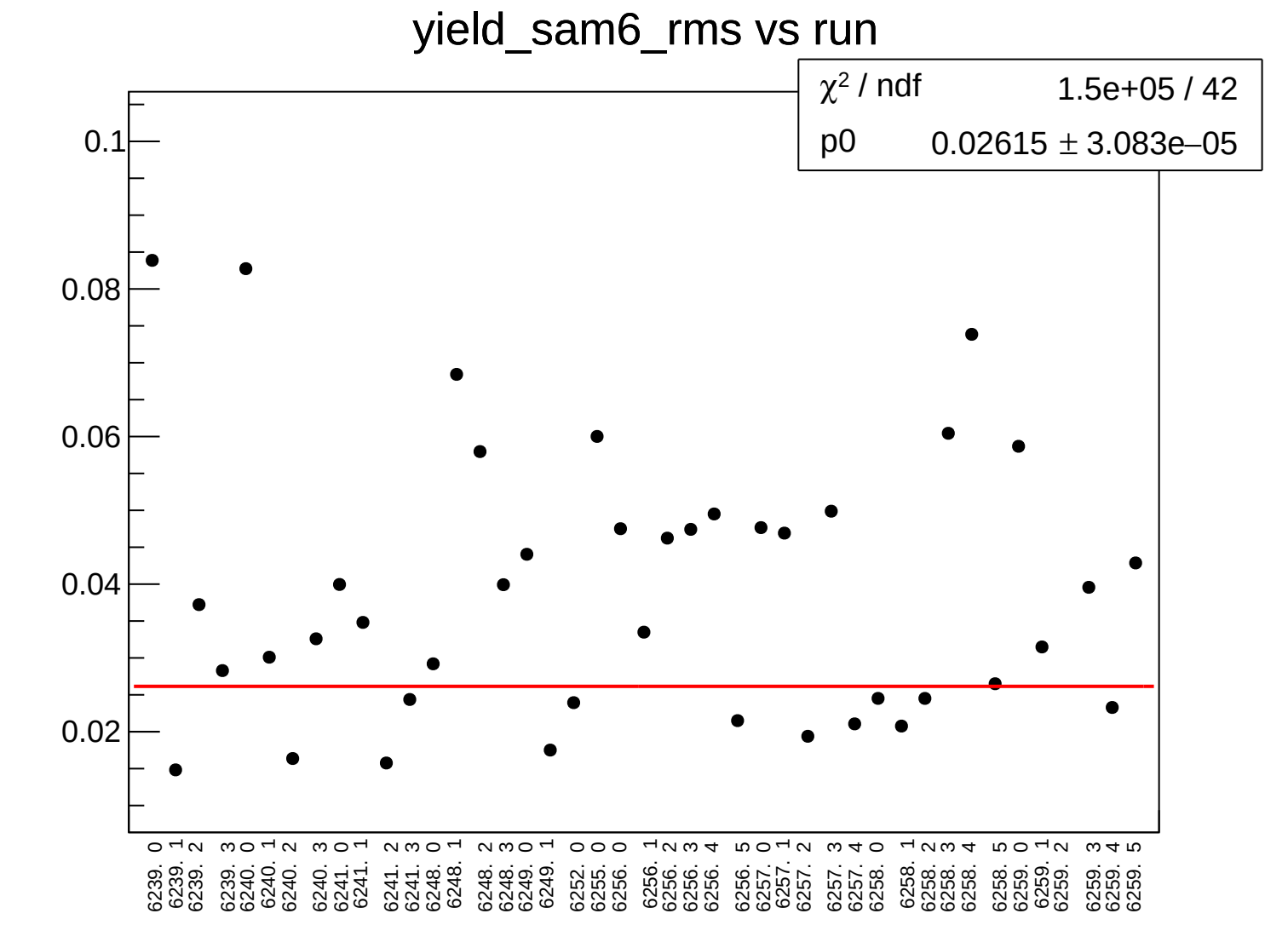

yield_sam4_rms vs run
χ² / ndf 1.041e+05 / 42
p0 0.09226 ± 0.0001055
0.5
0.4
0.3
0.2
0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

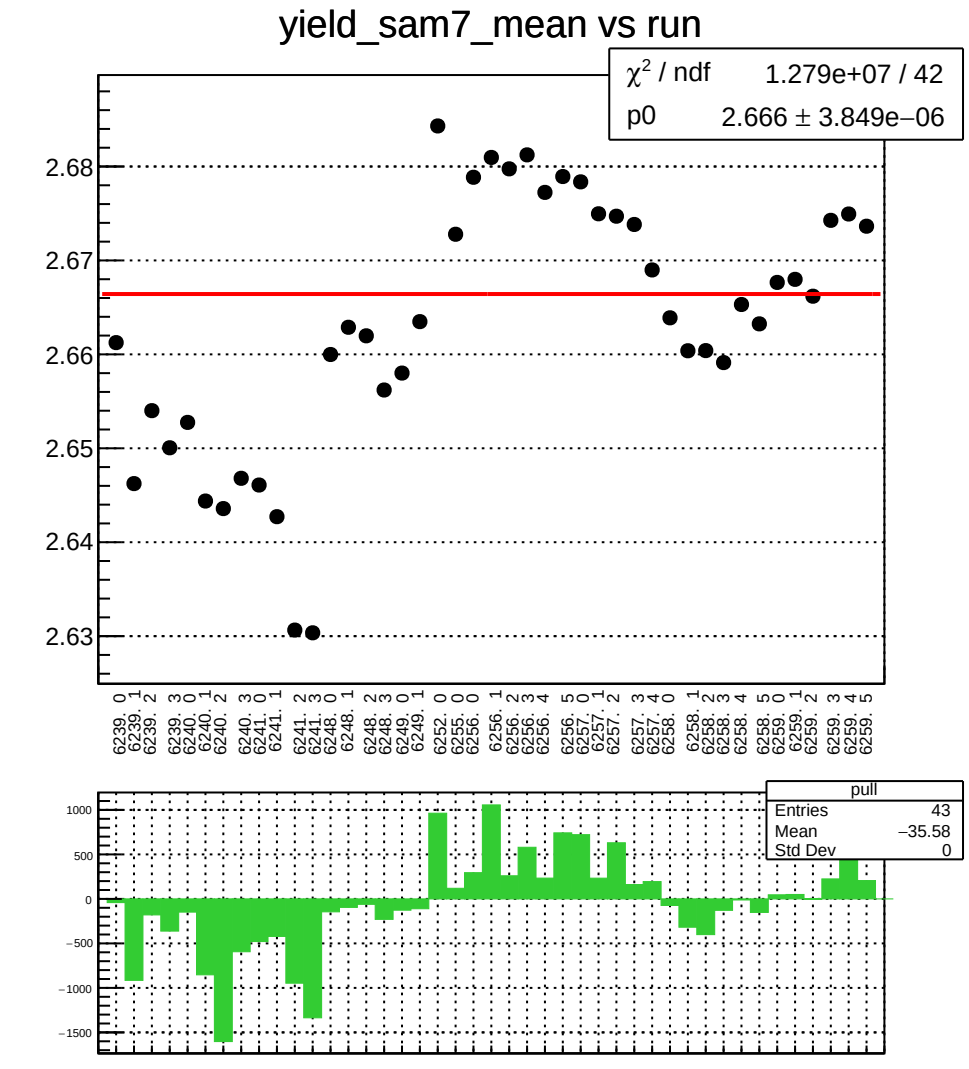

yield_sam5_mean vs run
χ² / ndf 7.021e+05 / 42
p0 18.9 ± 8.402e−05
19.05
19
18.95
18.9
18.85
18.8
18.75
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.26
Std Dev 52.56
300
200
100
0
−100
−200
−300
pull1D
Entries 43
Mean −1.67
Std Dev 4.538
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

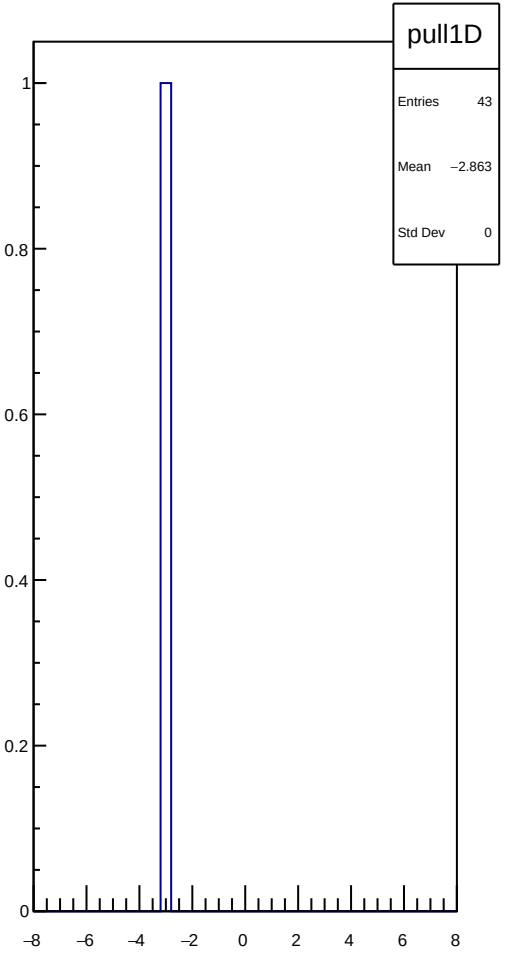

yield_sam5_rms vs run
χ² / ndf 8.045e+04 / 42
p0 0.05277 ± 5.941e–05
0.14
0.12
0.1
0.08
0.06
0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

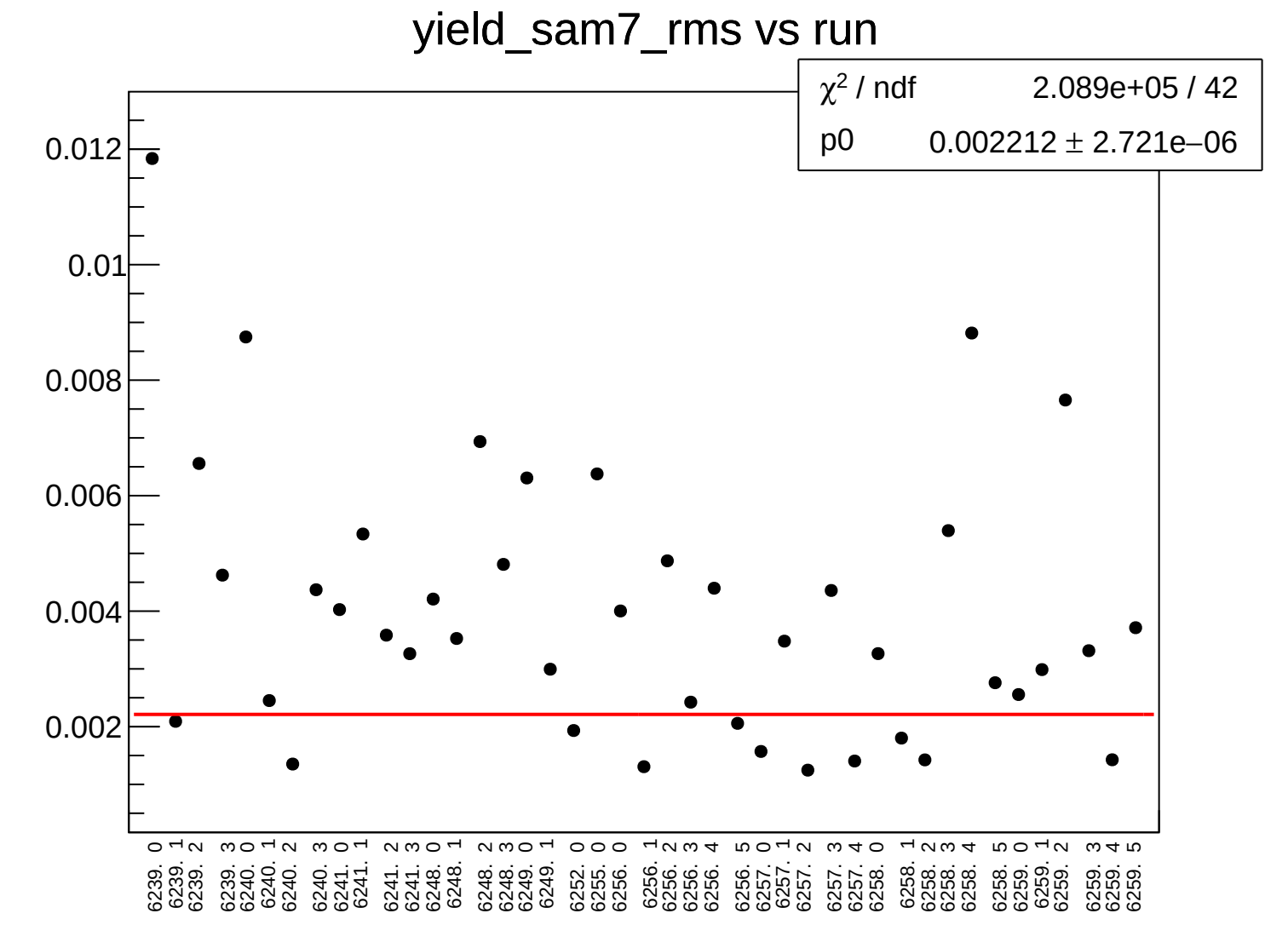

yield_sam6_mean vs run
χ² / ndf 6.124e+05 / 42
p0 10.38 ± 4.36e−05
10.48
10.46
10.44
10.42
10.4
10.38
10.36
10.34
10.32
10.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 101.3
Std Dev 0
300
200
100
0
−100
−200
−300

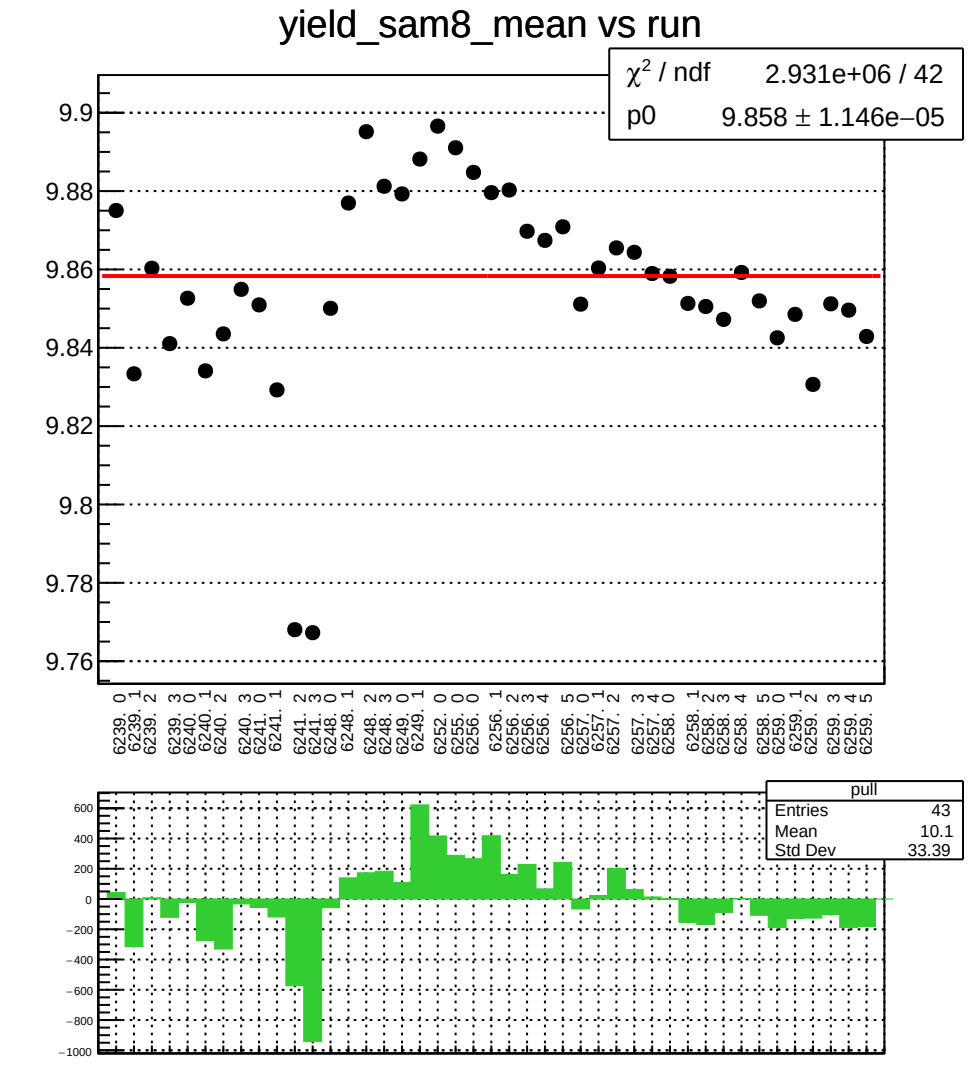

pull1D
Entries 43
Mean −4.084
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

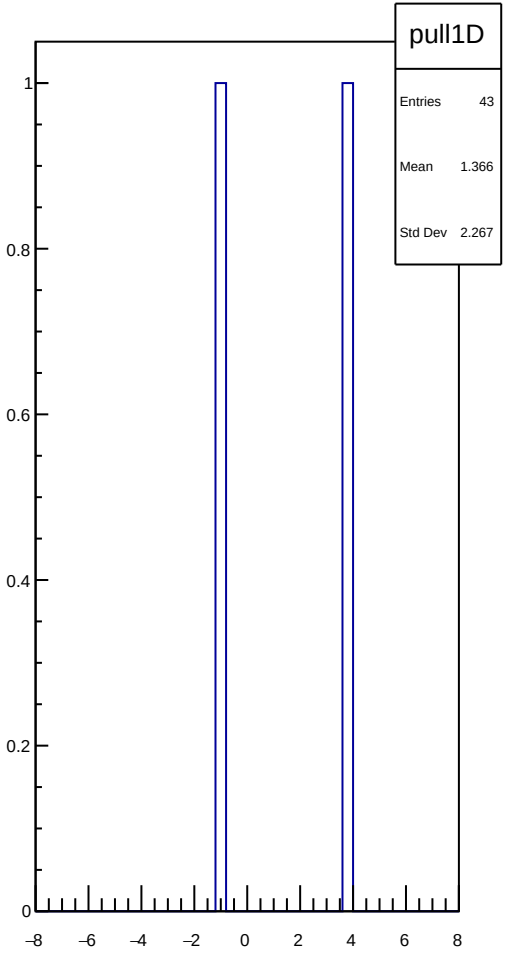

yield_sam6_rms vs run
χ² / ndf 1.5e+05 / 42
p0 0.02615 ± 3.083e−05
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

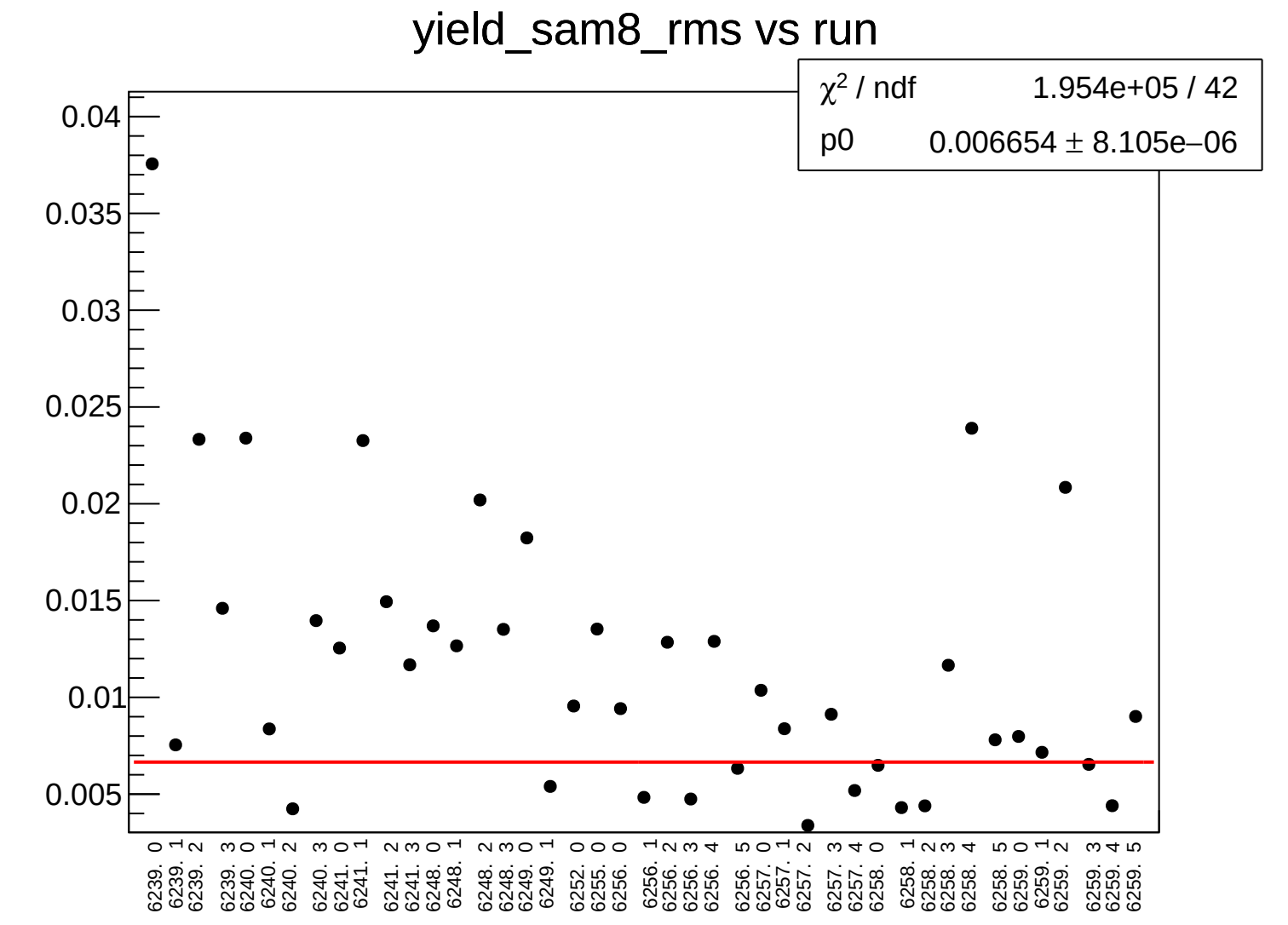

yield_sam7_mean vs run
χ² / ndf 1.279e+07 / 42
p0 2.666 ± 3.849e−06
2.68
2.67
2.66
2.65
2.64
2.63
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −35.58
Std Dev 0
1000
500
0
−500
−1000
−1500

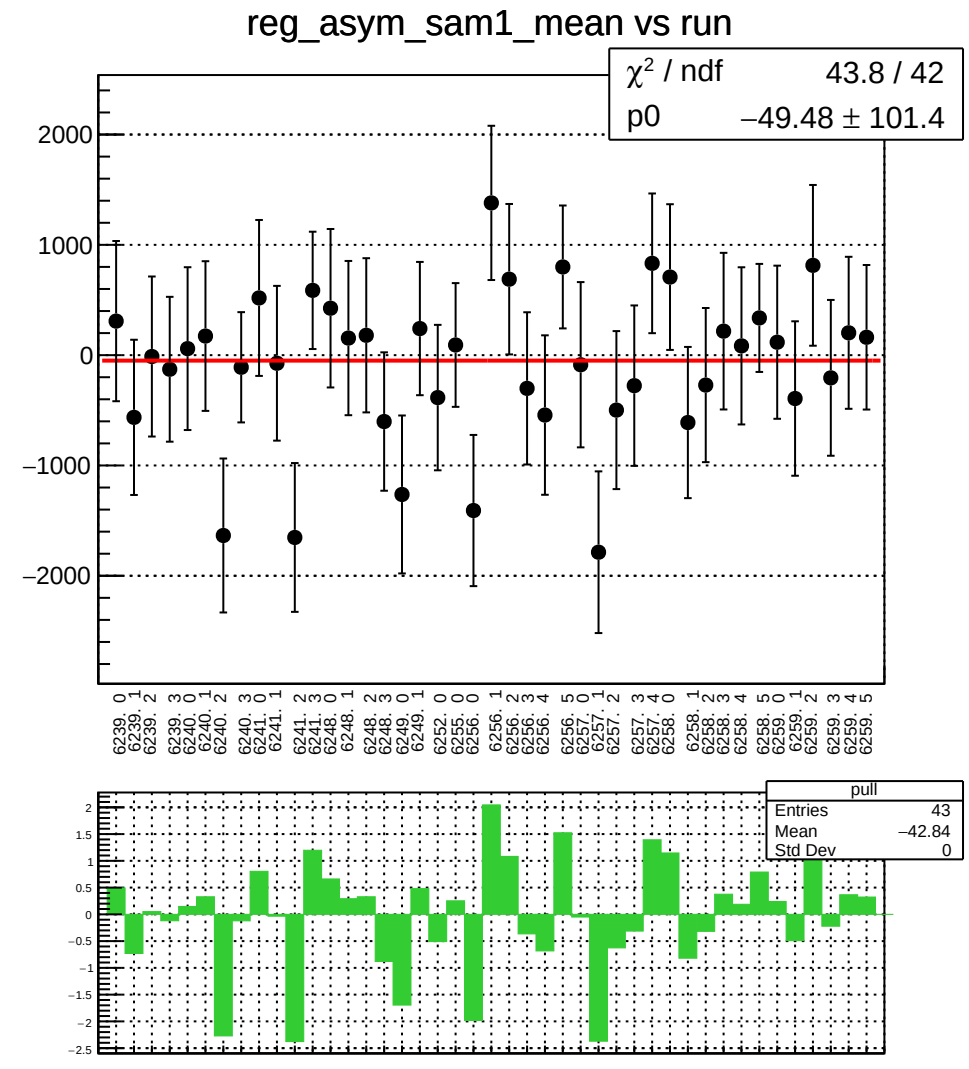

pull1D
Entries 43
Mean −2.863
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

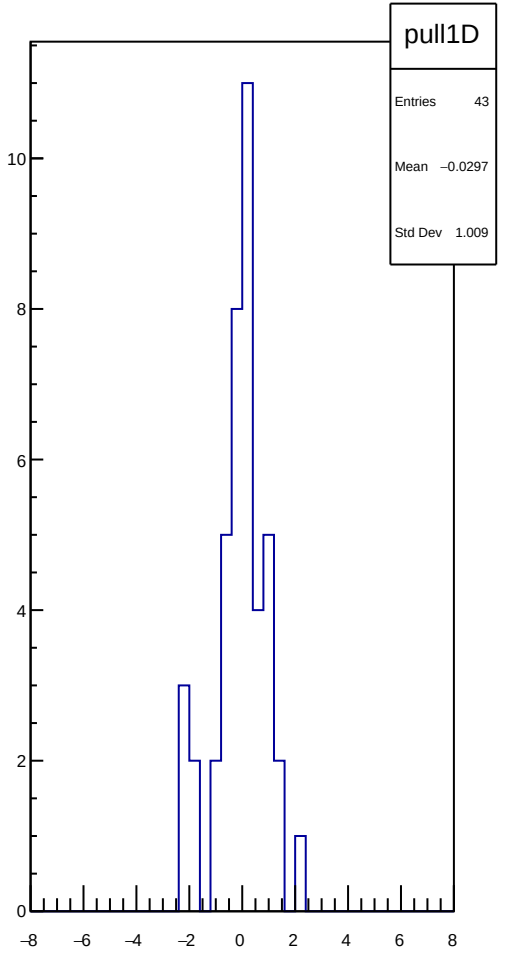

yield_sam7_rms vs run
χ² / ndf 2.089e+05 / 42
p0 0.002212 ± 2.721e−06
0.012
0.01
0.008
0.006
0.004
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

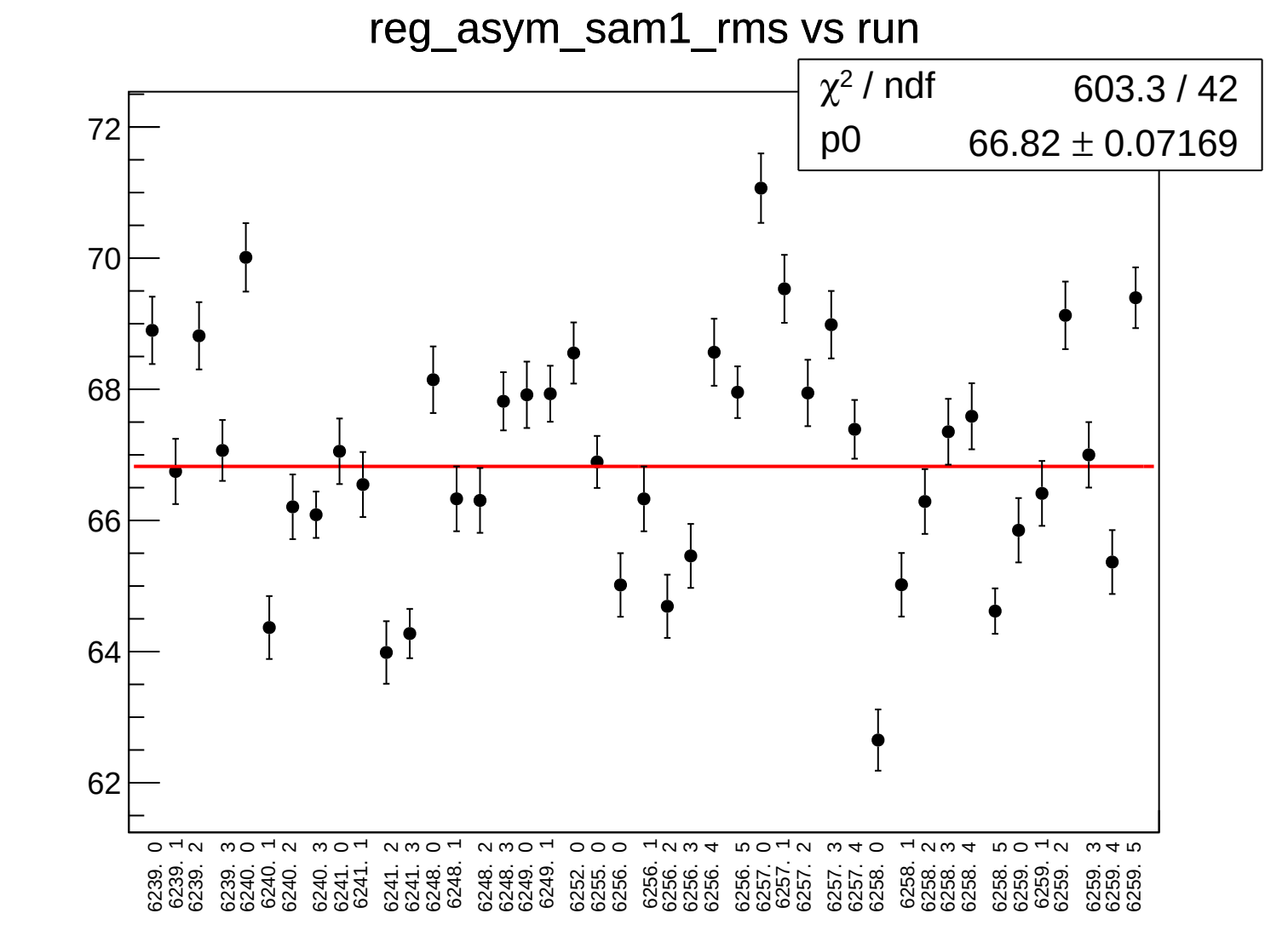

yield_sam8_mean vs run
χ² / ndf 2.931e+06 / 42
p0 9.858 ± 1.146e−05
9.9
9.88
9.86
9.84
9.82
9.8
9.78
9.76
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.1
Std Dev 33.39
600
400
200
0
−200
−400
−600
−800
−1000


pull1D
Entries 43
Mean 1.366
Std Dev 2.267
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_sam8_rms vs run
χ² / ndf 1.954e+05 / 42
p0 0.006654 ± 8.105e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_sam1_mean vs run
χ² / ndf 43.8 / 42
p0 −49.48 ± 101.4
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −42.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.0297
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam1_rms vs run
χ² / ndf 603.3 / 42
p0 66.82 ± 0.07169
72
70
68
66
64
62
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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6259. 2
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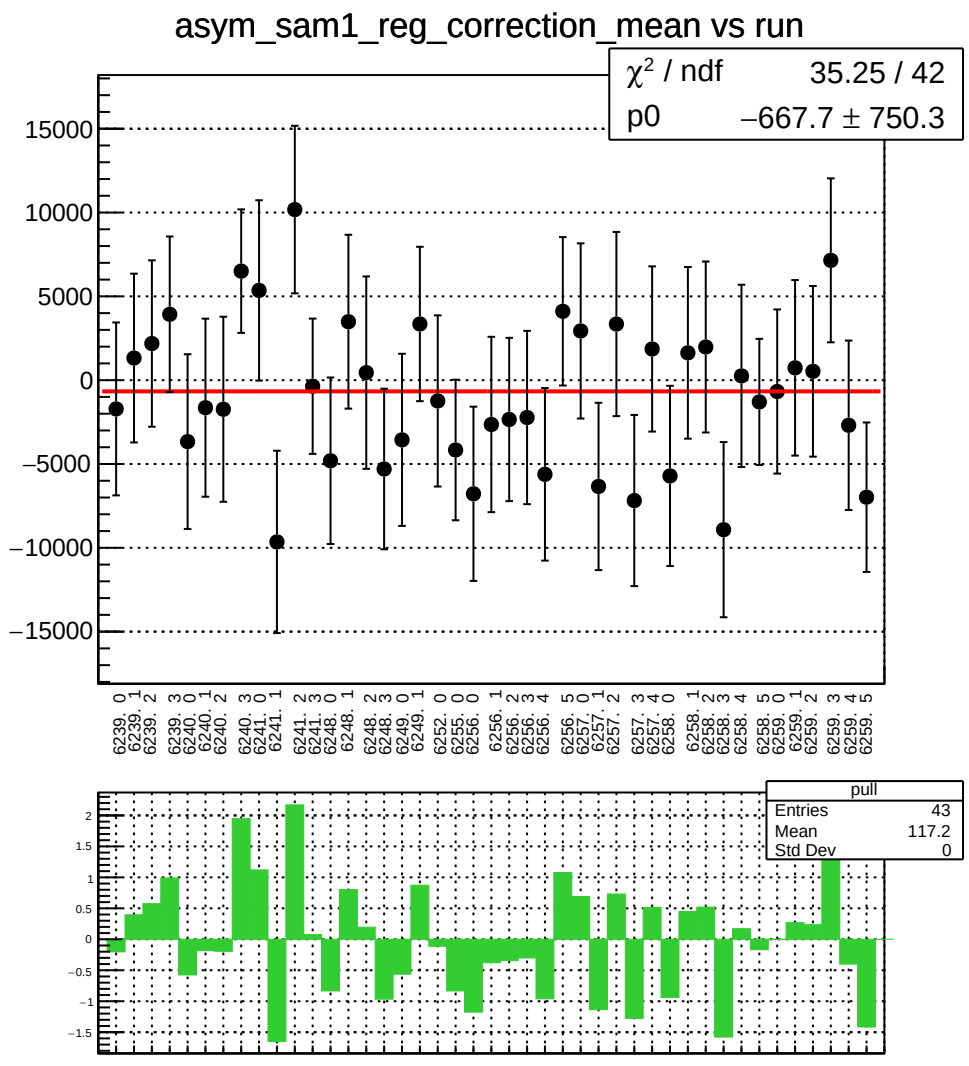
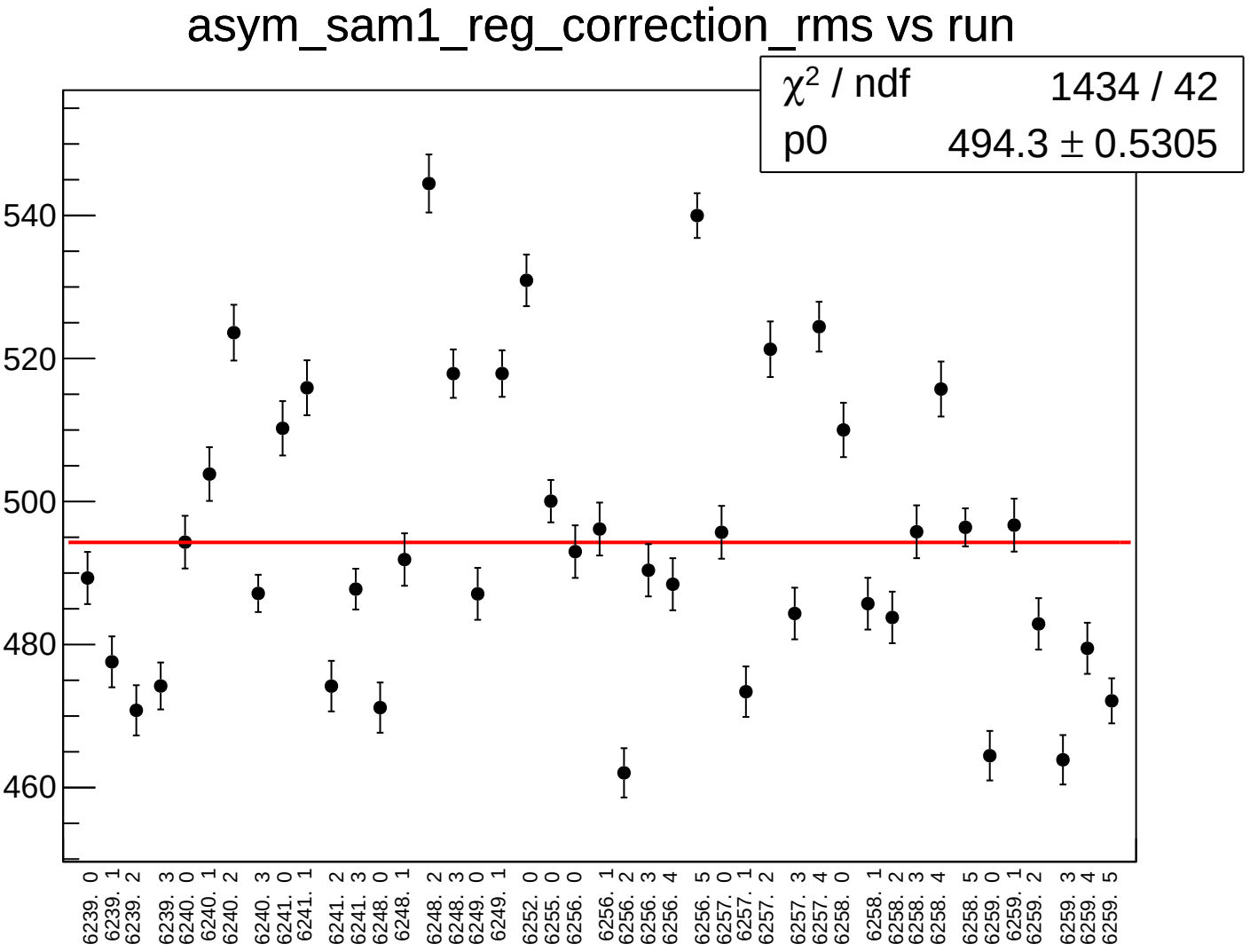
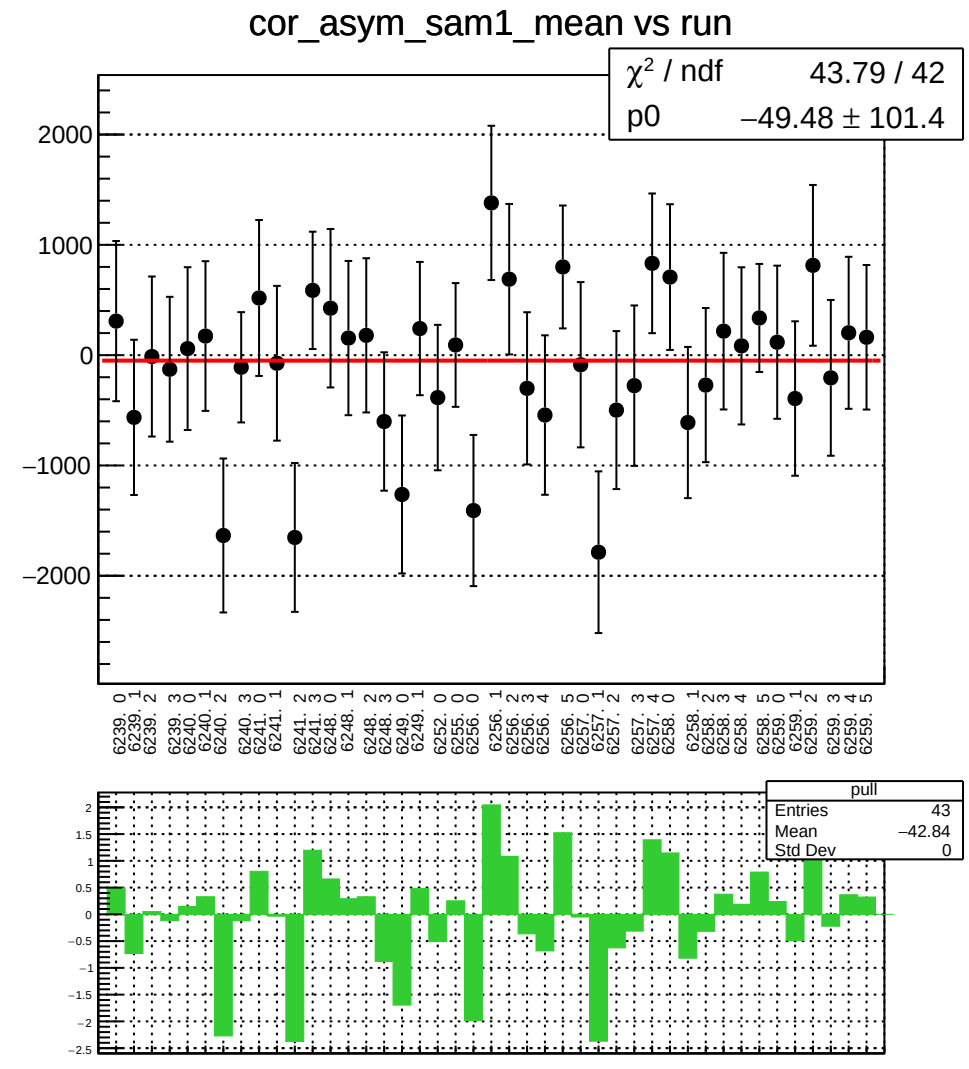
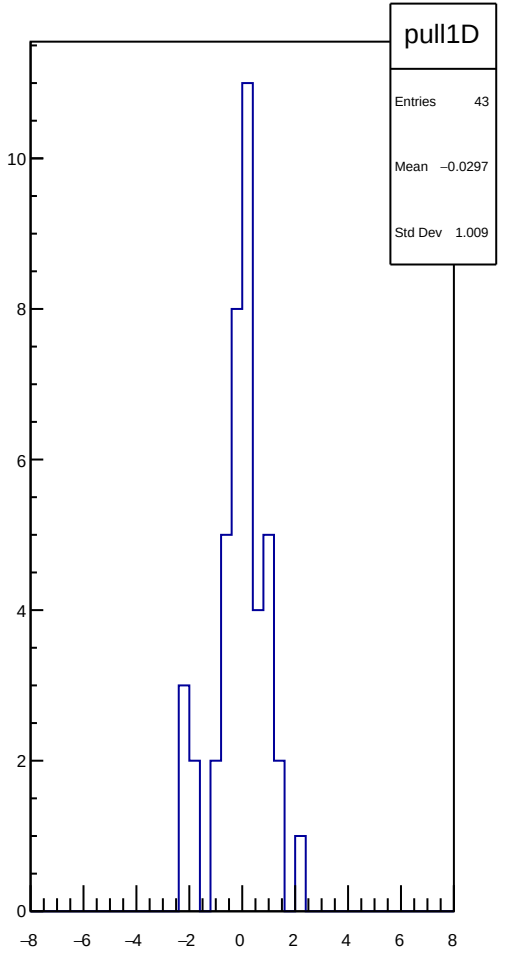
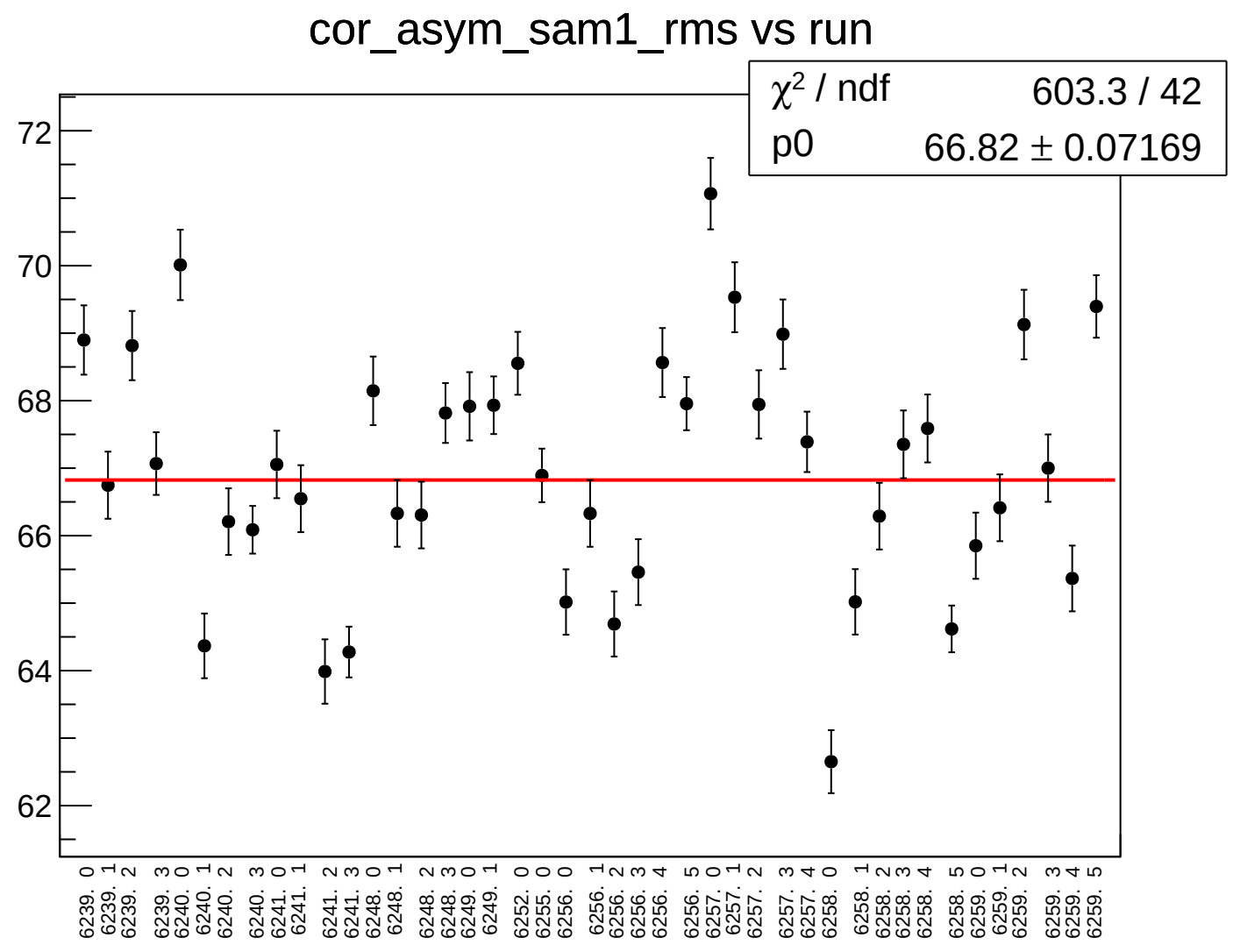
6259. 4
6259. 5


asym_sam1_reg_correction_mean vs run
χ² / ndf 35.25 / 42
p0 −667.7 ± 750.3
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01851
Std Dev 0.9052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_reg_correction_rms vs run
χ² / ndf 1434 / 42
p0 494.3 ± 0.5305
540
520
500
480
460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam1_mean vs run
χ² / ndf 43.79 / 42
p0 −49.48 ± 101.4
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −42.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.0297
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam1_rms vs run
χ² / ndf 603.3 / 42
p0 66.82 ± 0.07169
72
70
68
66
64
62
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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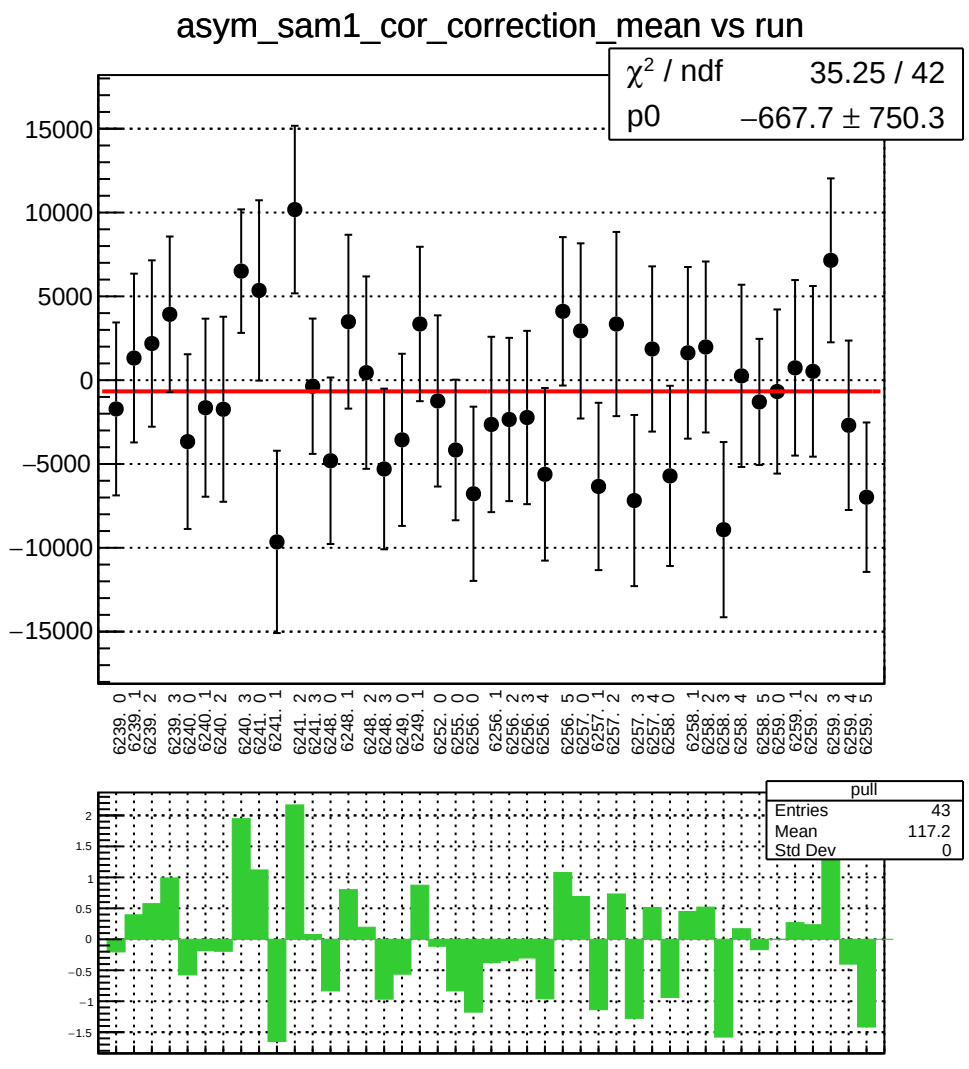
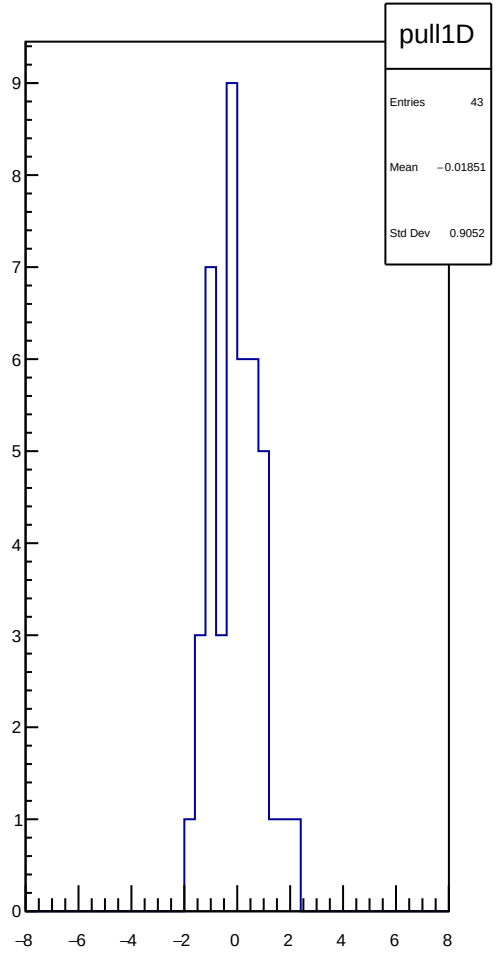
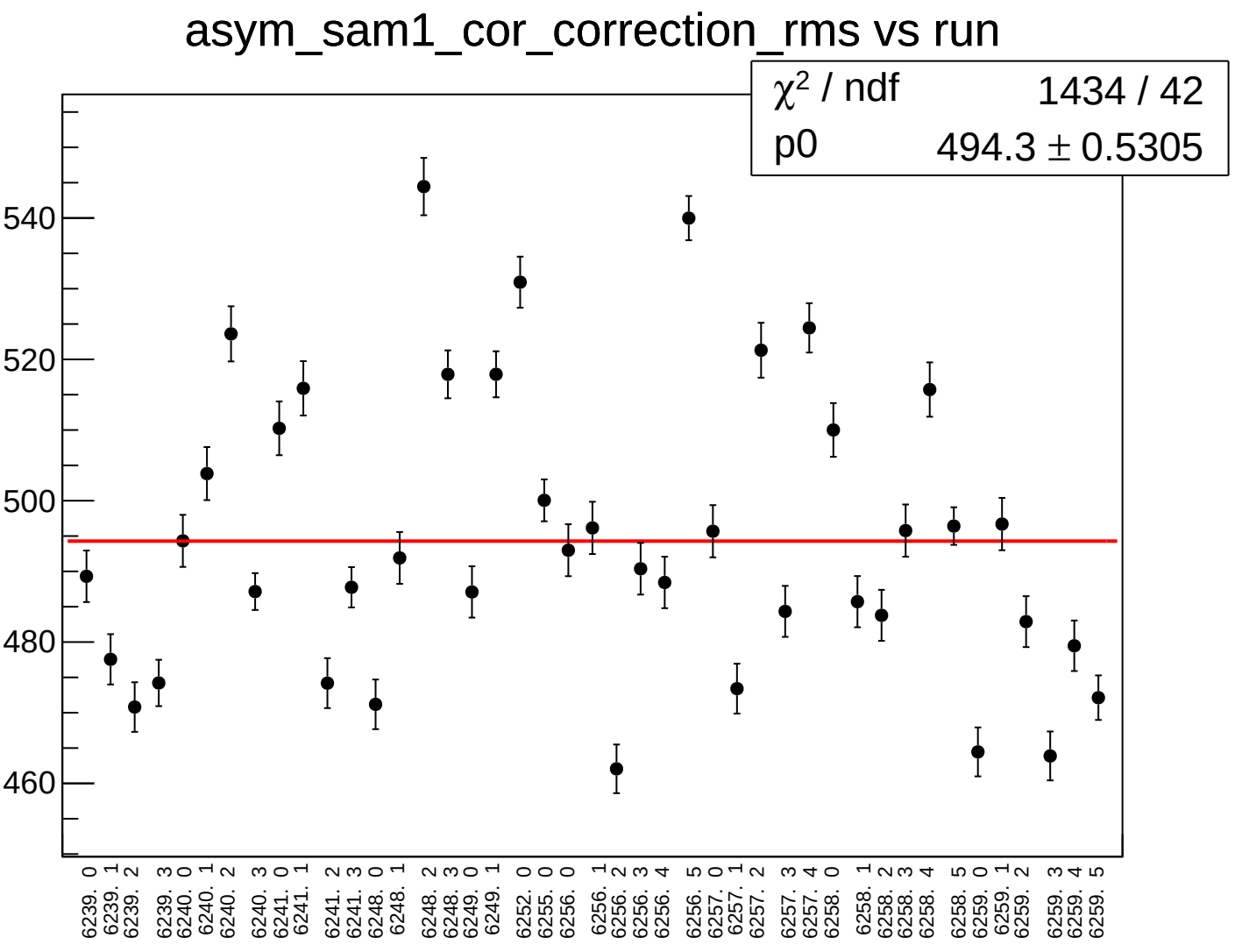
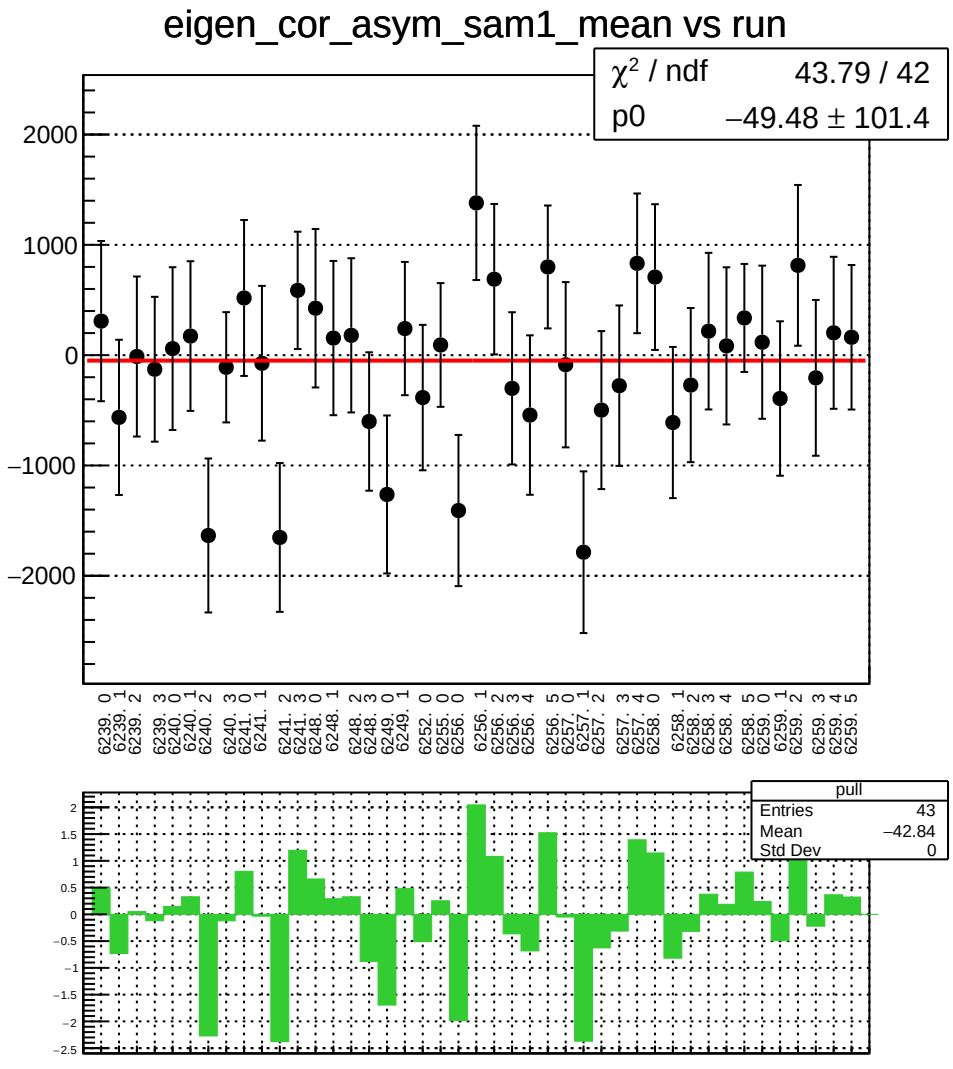
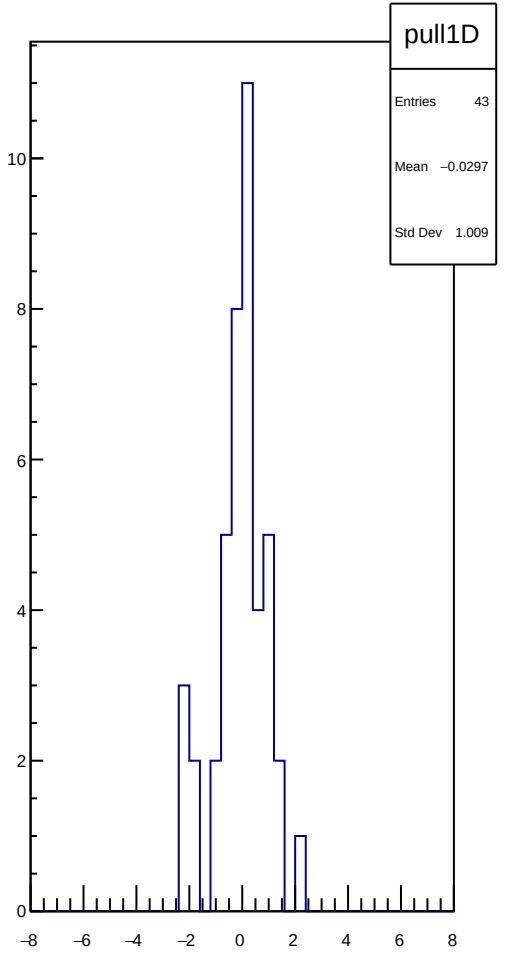
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

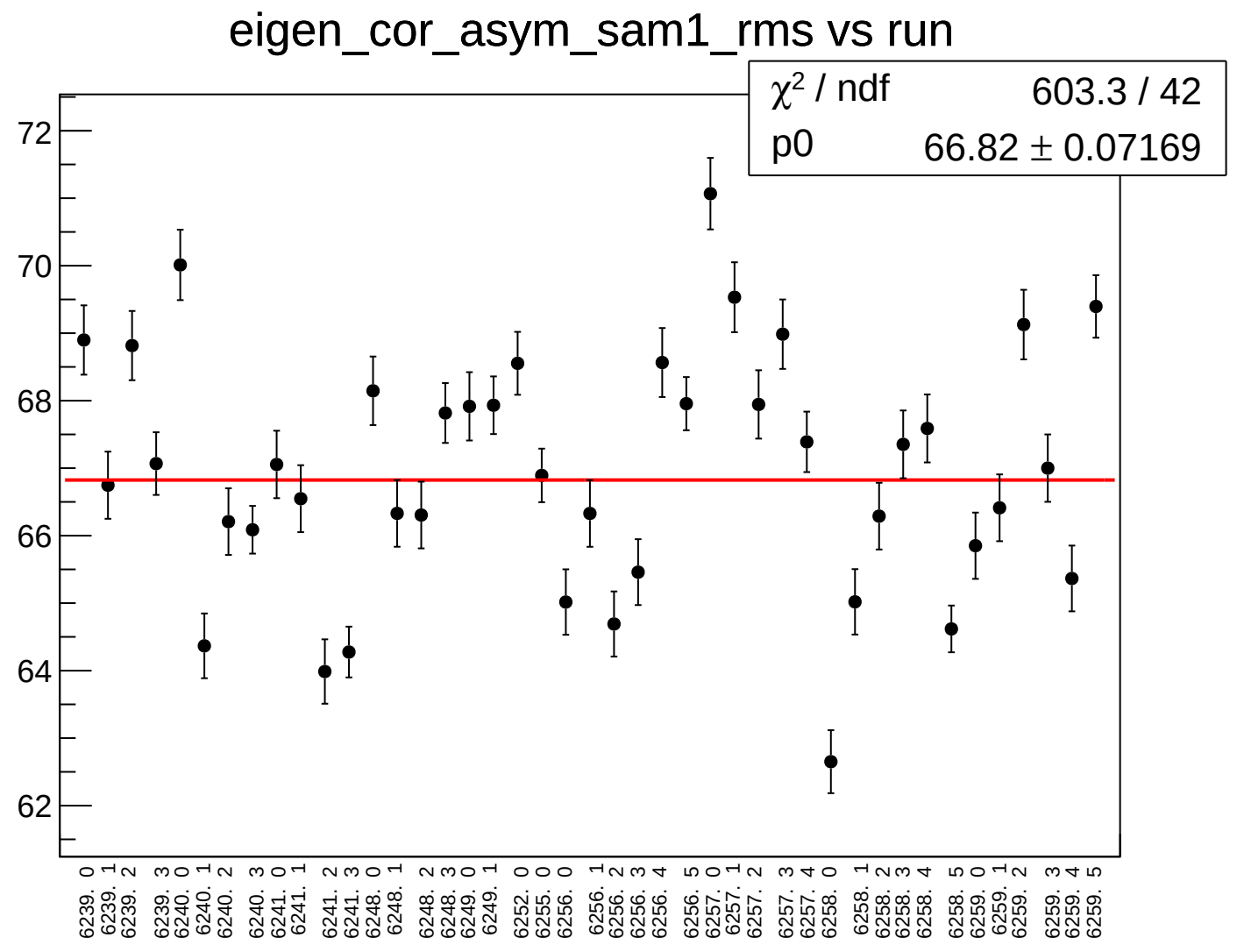

asym_sam1_cor_correction_mean vs run
χ² / ndf 35.25 / 42
p0 −667.7 ± 750.3
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

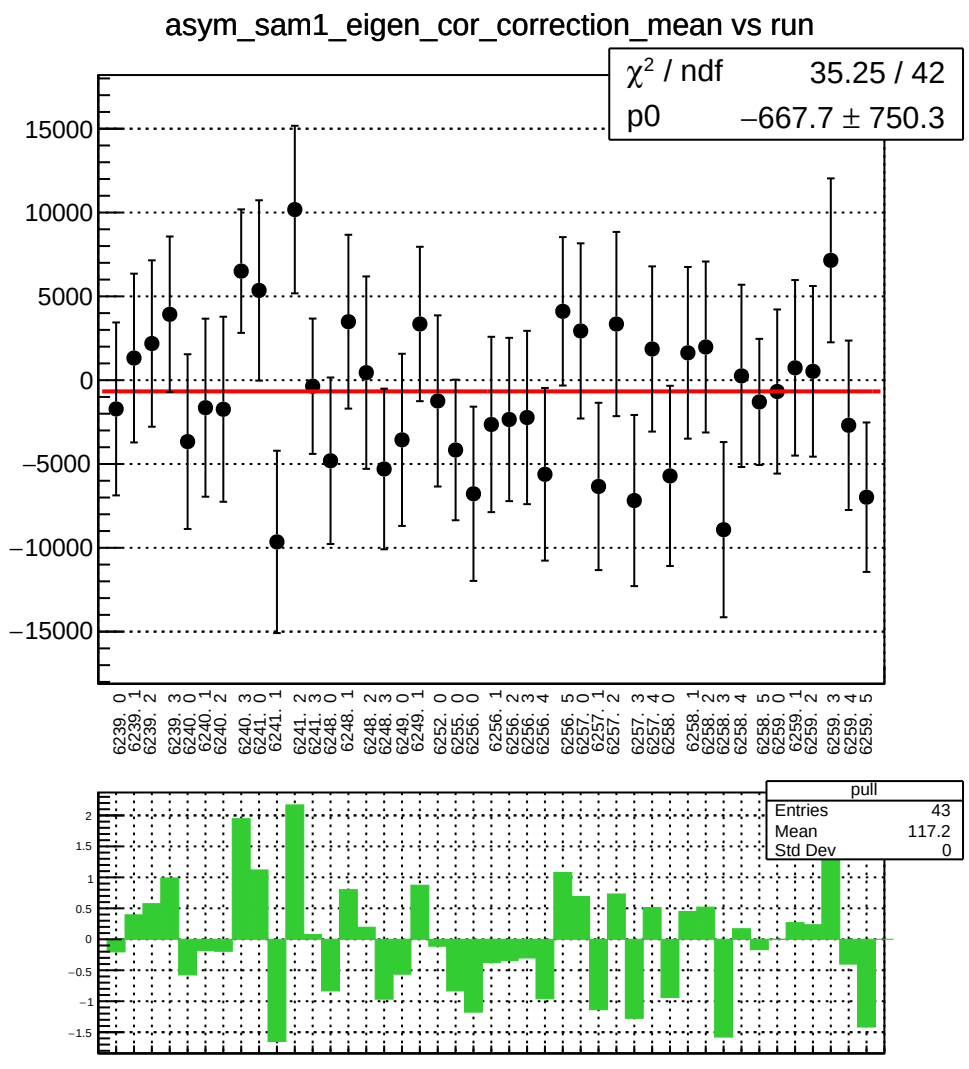

pull1D
Entries 43
Mean −0.01851
Std Dev 0.9052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

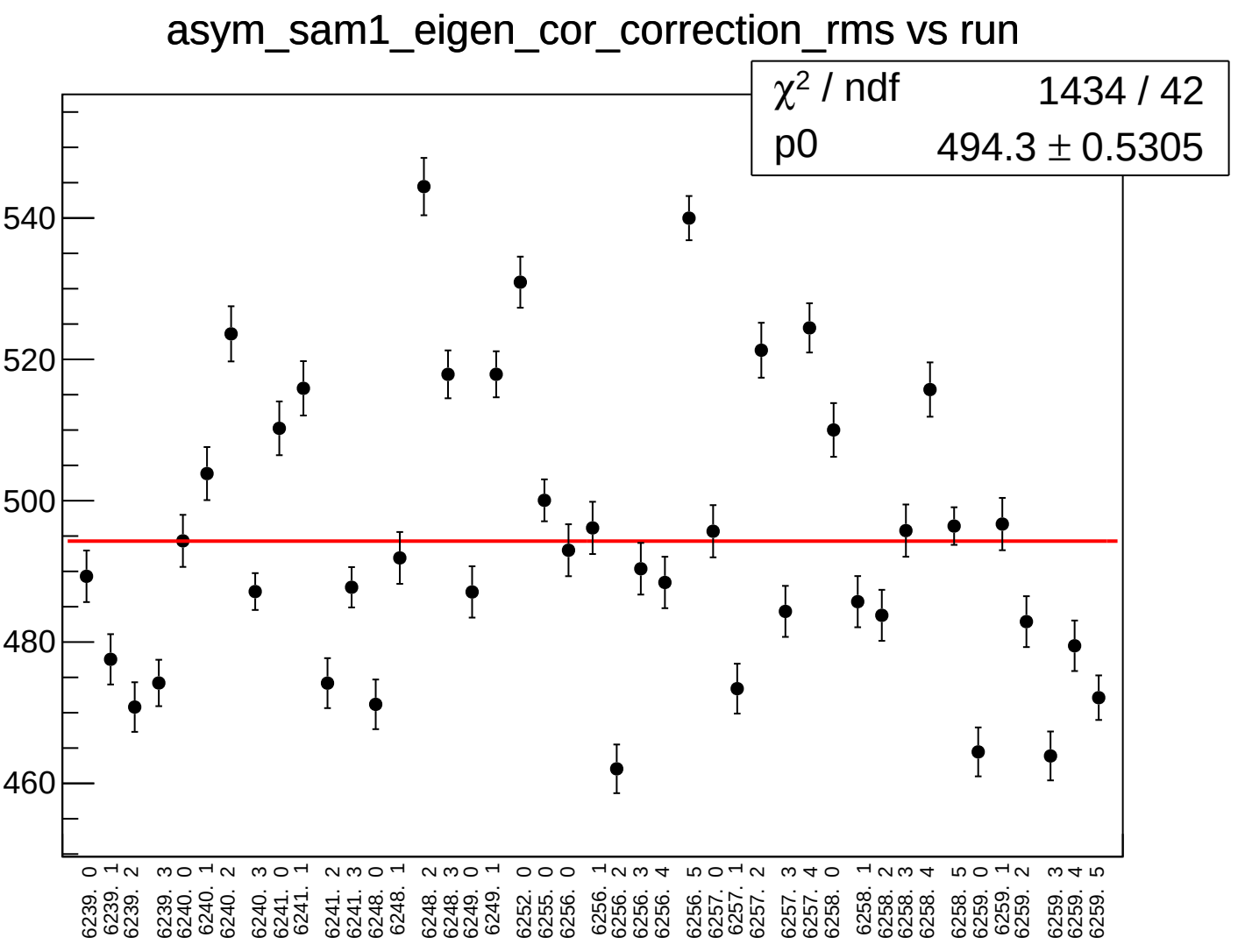

asym_sam1_cor_correction_rms vs run
χ² / ndf 1434 / 42
p0 494.3 ± 0.5305
540
520
500
480
460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam1_mean vs run
χ² / ndf 43.79 / 42
p0 −49.48 ± 101.4
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −42.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.0297
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam1_rms vs run
χ² / ndf 603.3 / 42
p0 66.82 ± 0.07169
72
70
68
66
64
62
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 35.25 / 42
p0 −667.7 ± 750.3
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01851
Std Dev 0.9052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 1434 / 42
p0 494.3 ± 0.5305
540
520
500
480
460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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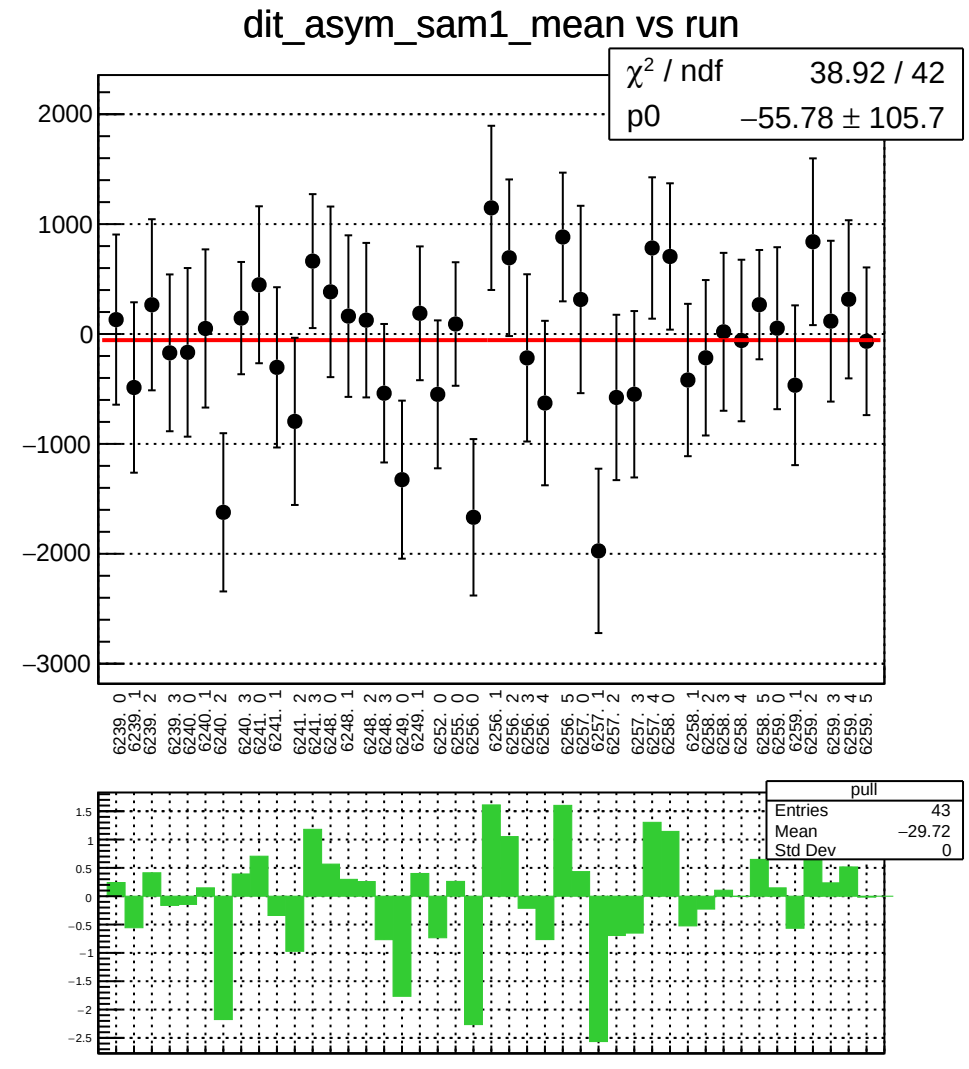
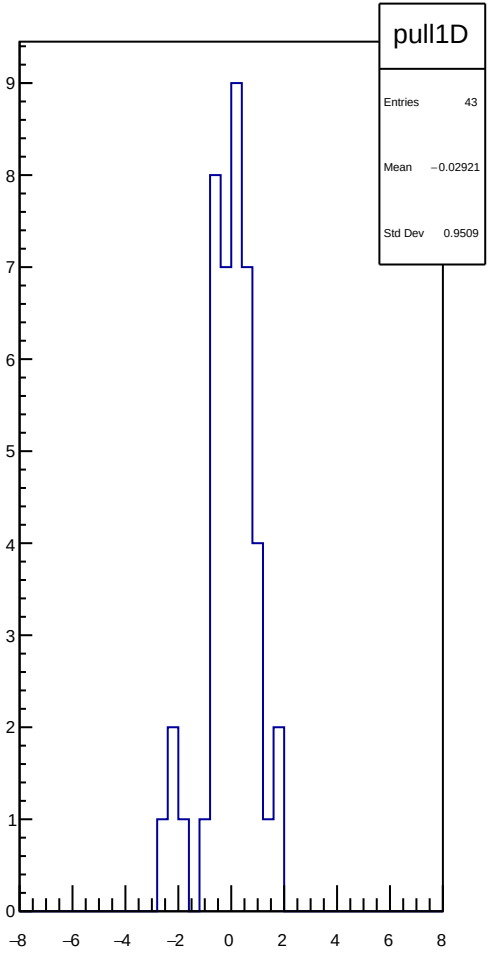
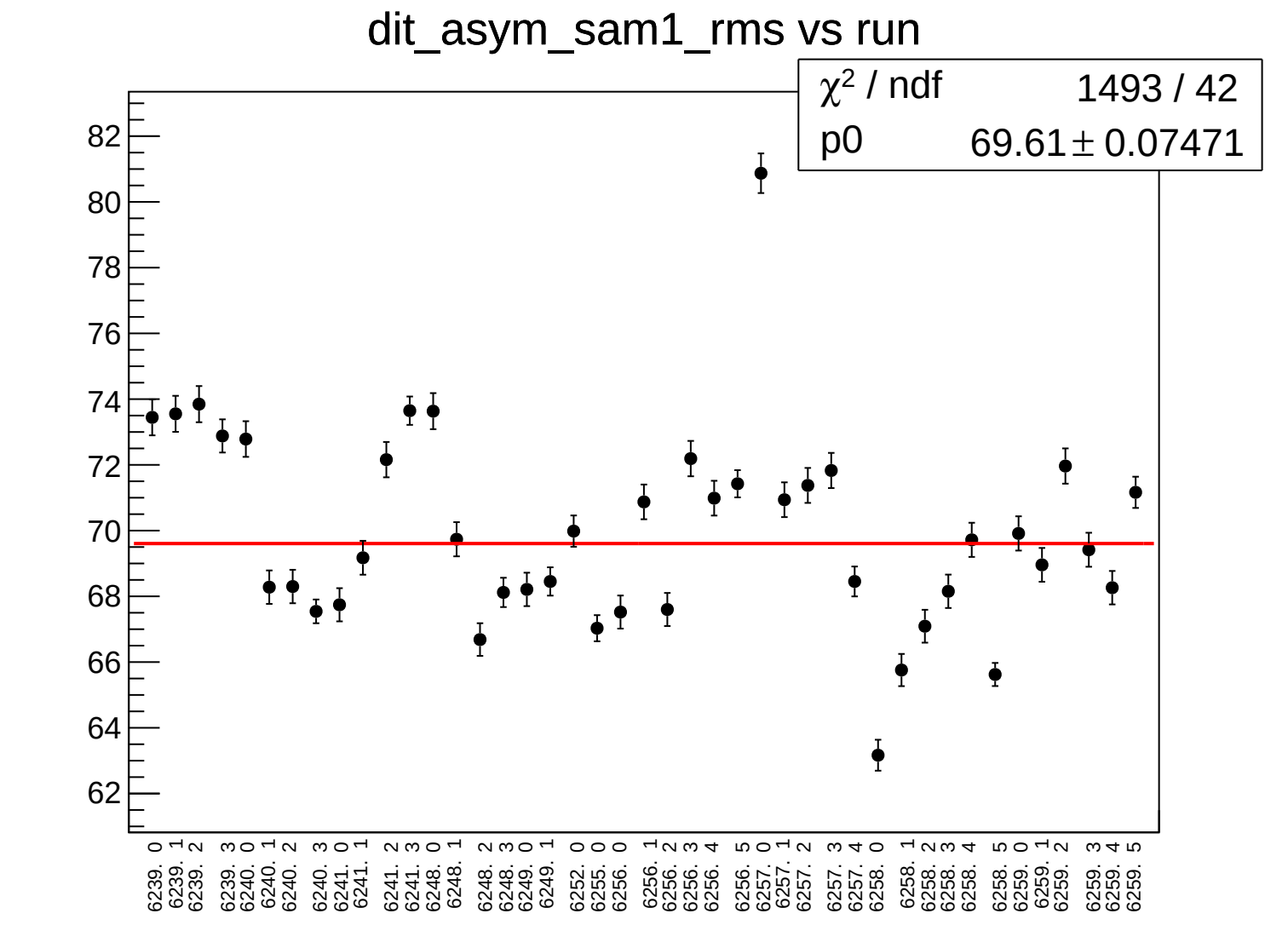
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_sam1_mean vs run
χ² / ndf 38.92 / 42
p0 −55.78 ± 105.7
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −29.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.02921
Std Dev 0.9509
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam1_rms vs run
χ² / ndf 1493 / 42
p0 69.61 ± 0.07471
82
80
78
76
74
72
70
68
66
64
62
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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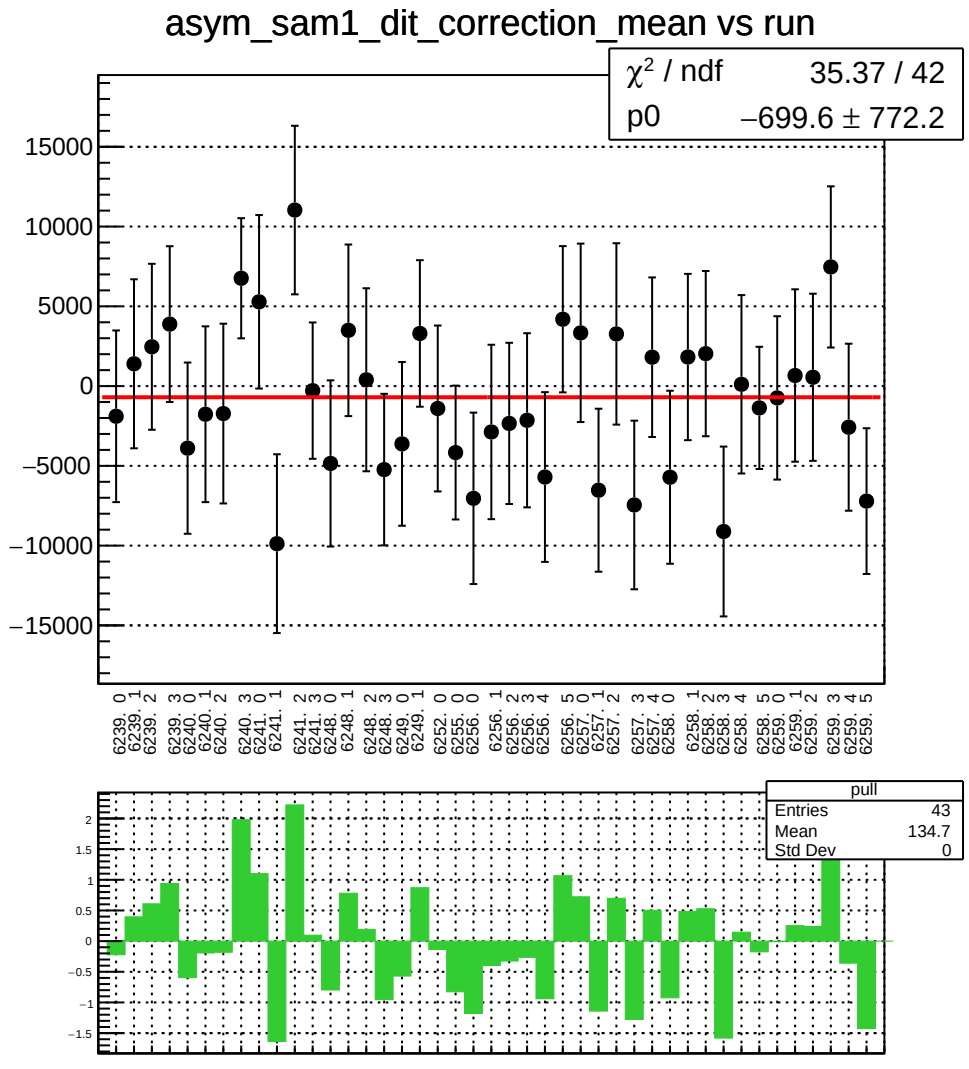
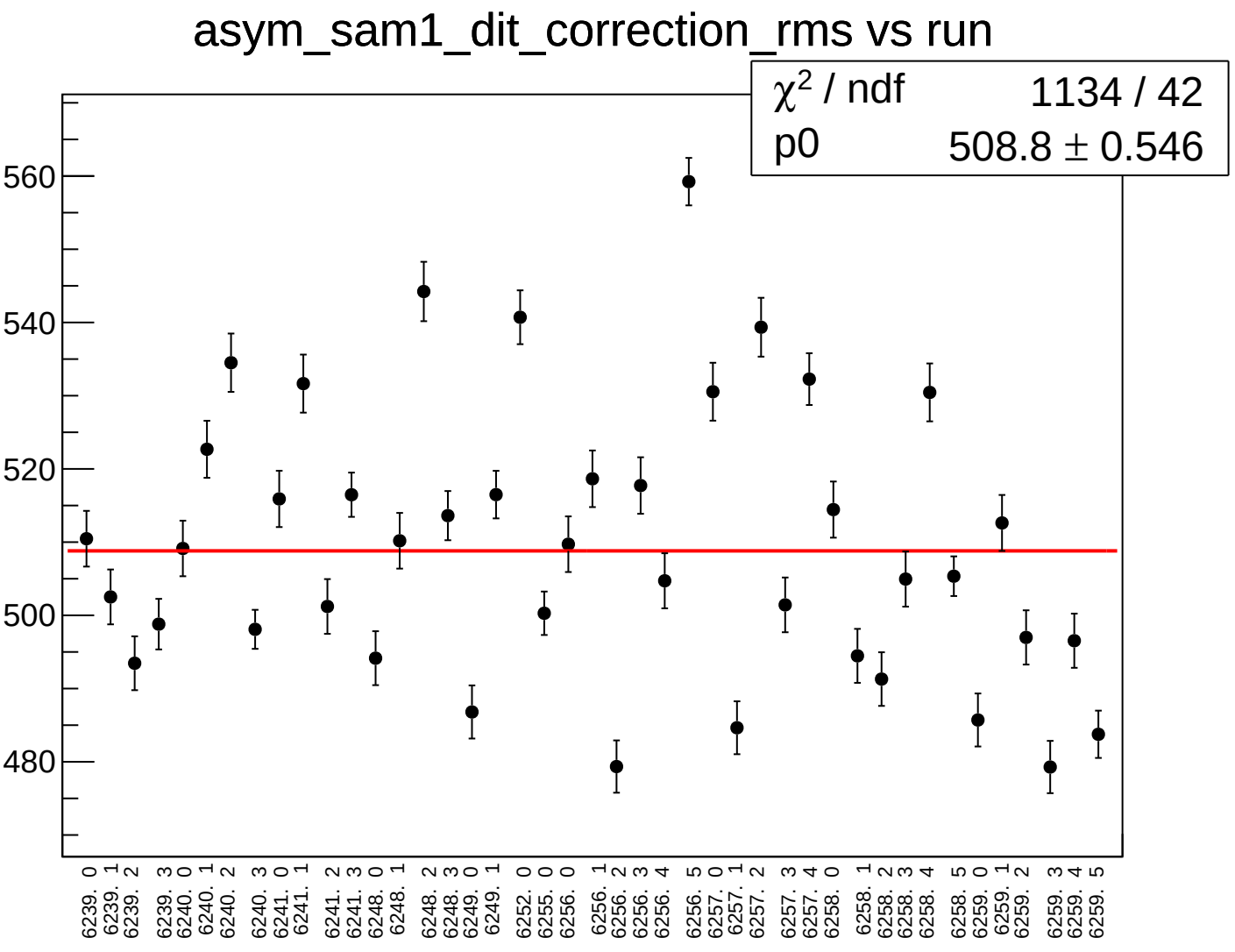
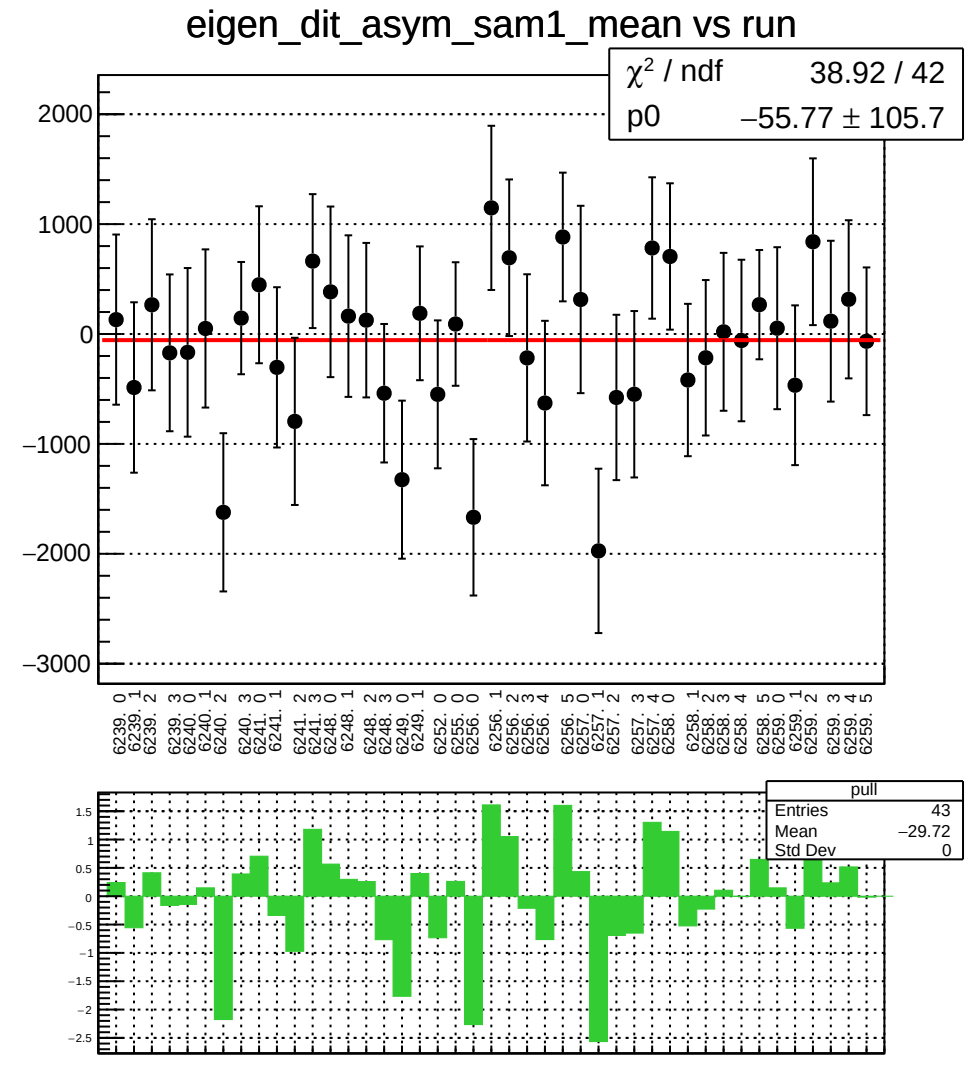
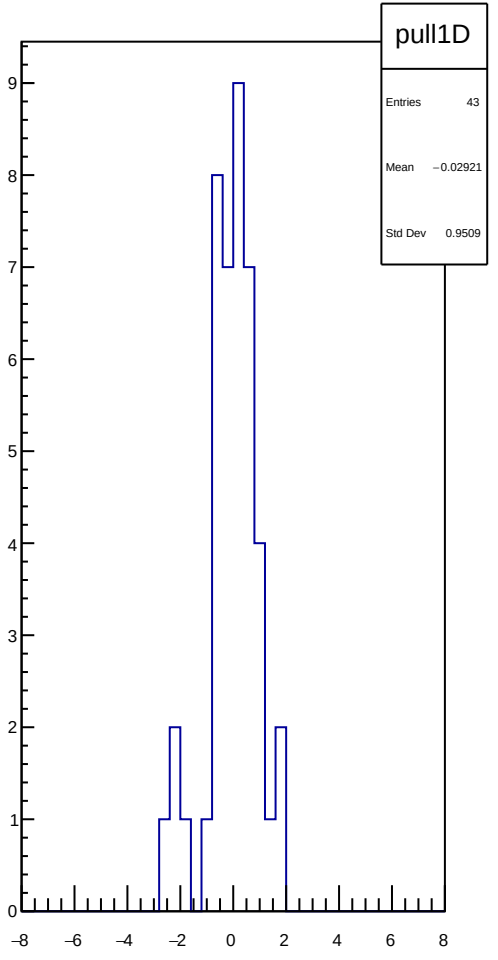
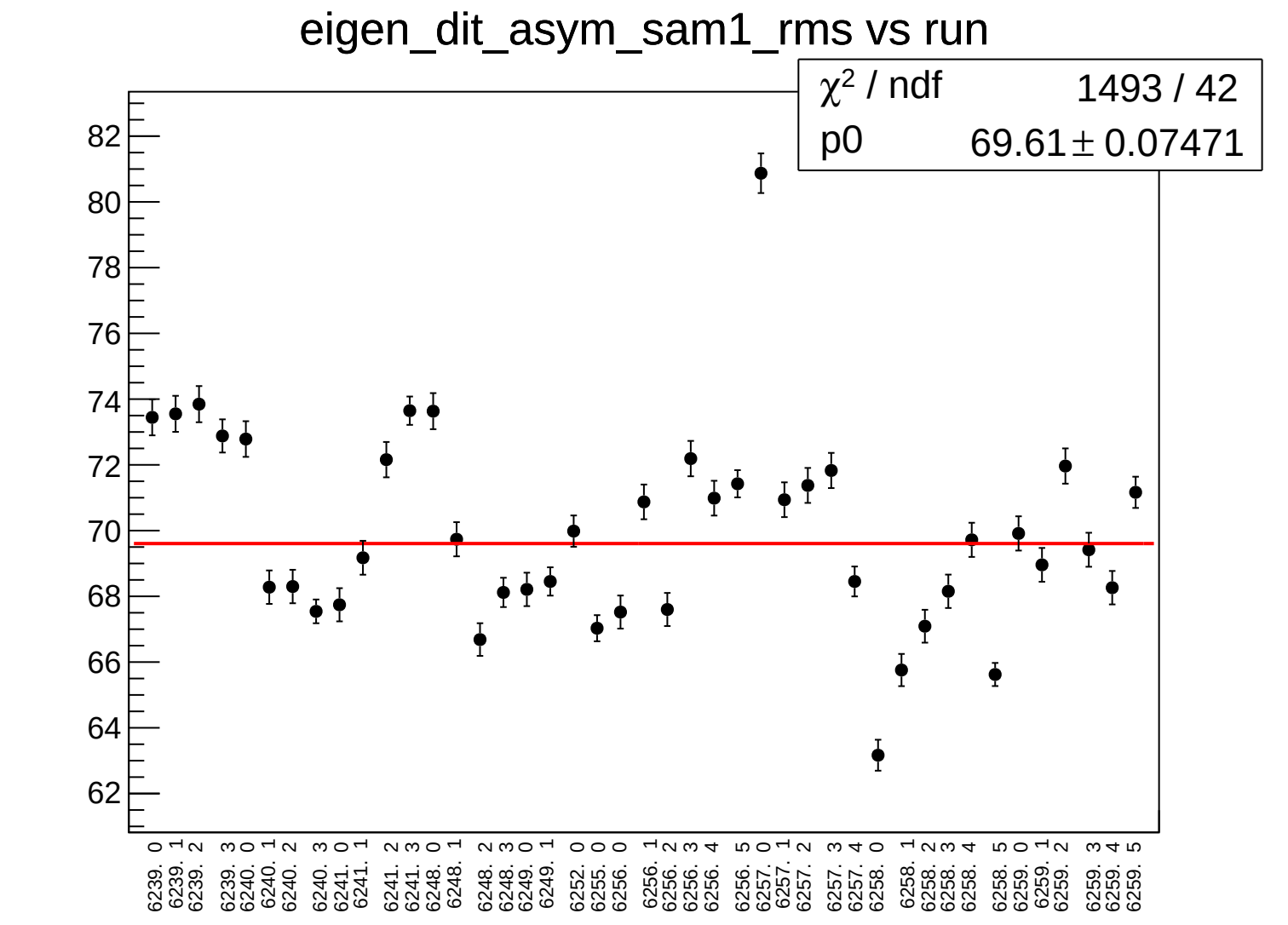
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

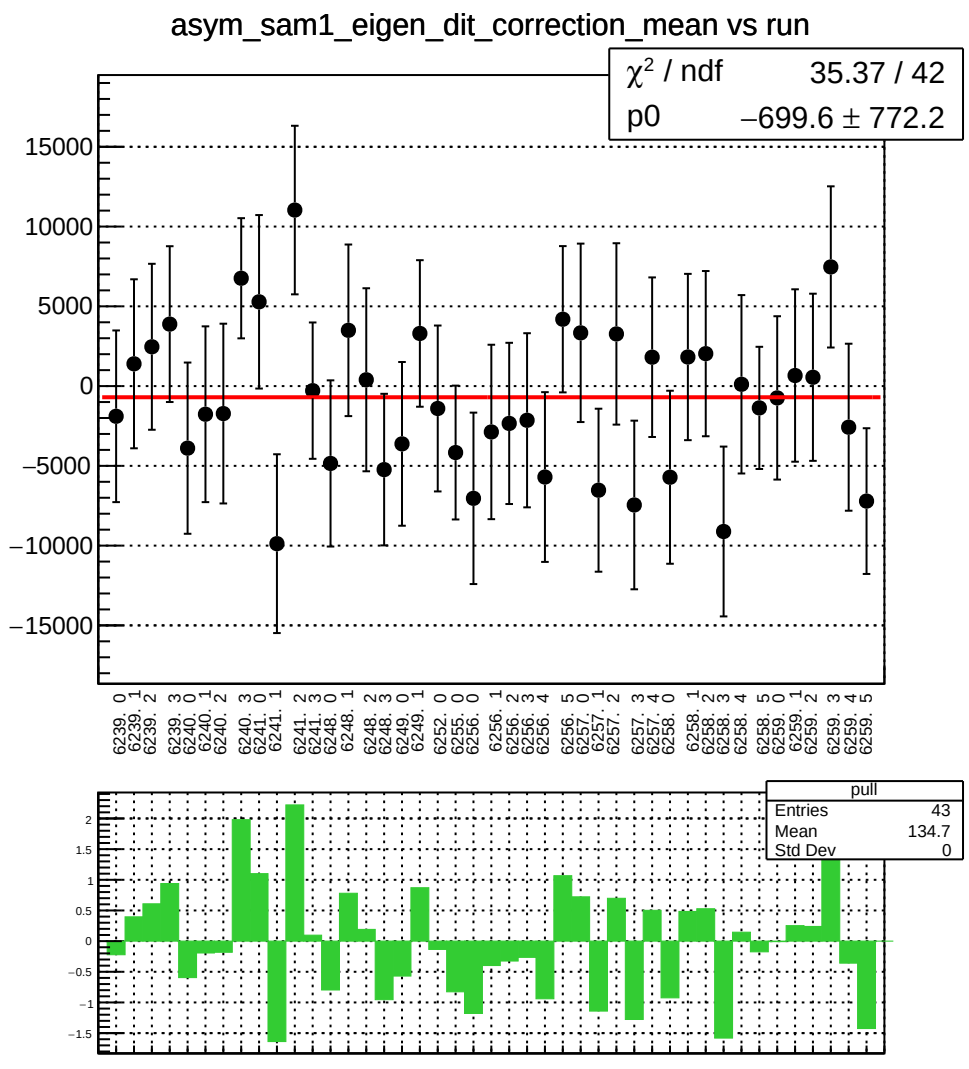

asym_sam1_dit_correction_mean vs run
χ² / ndf 35.37 / 42
p0 −699.6 ± 772.2
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 134.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01556
Std Dev 0.9068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

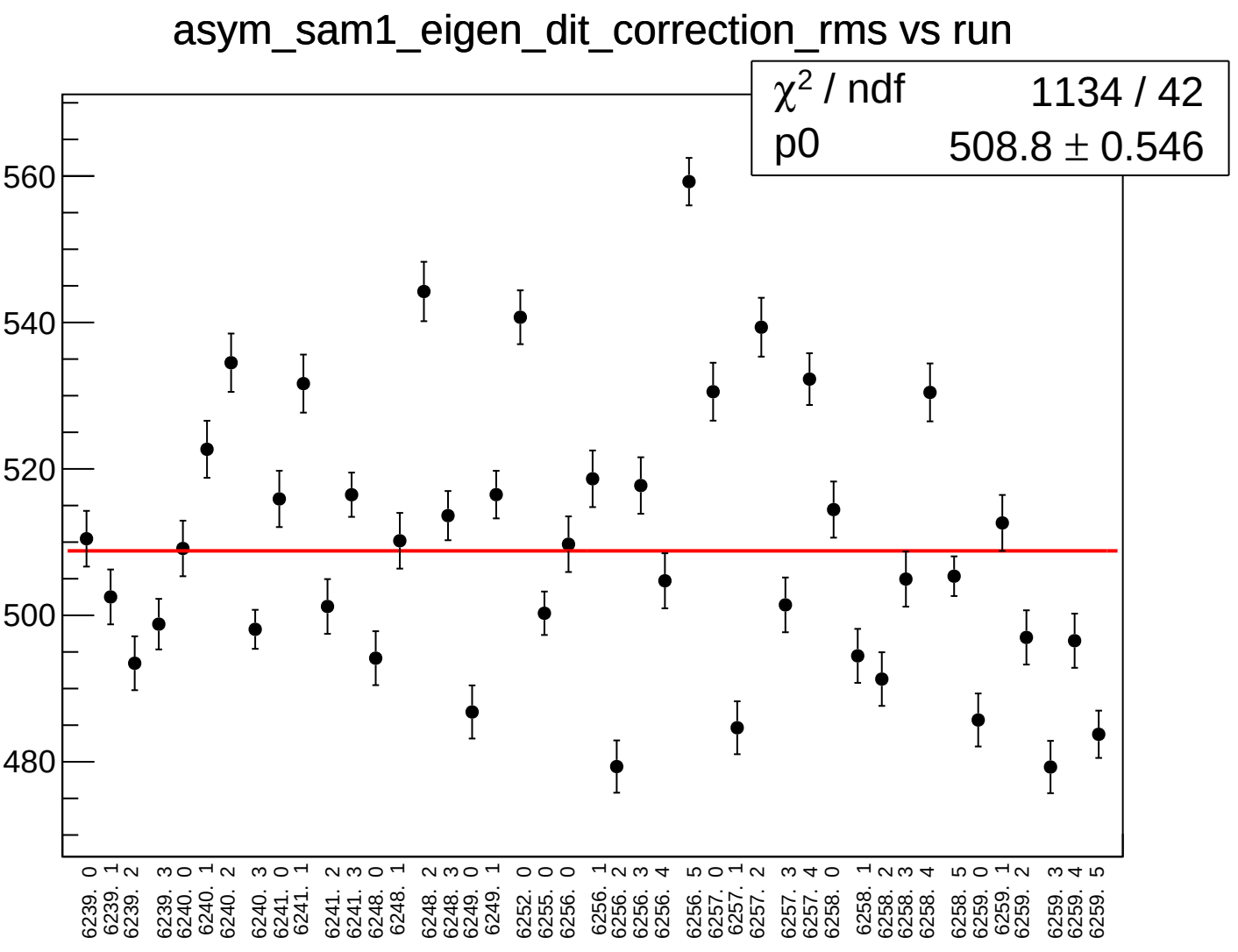

asym_sam1_dit_correction_rms vs run
χ² / ndf 1134 / 42
p0 508.8 ± 0.546
560
540
520
500
480
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

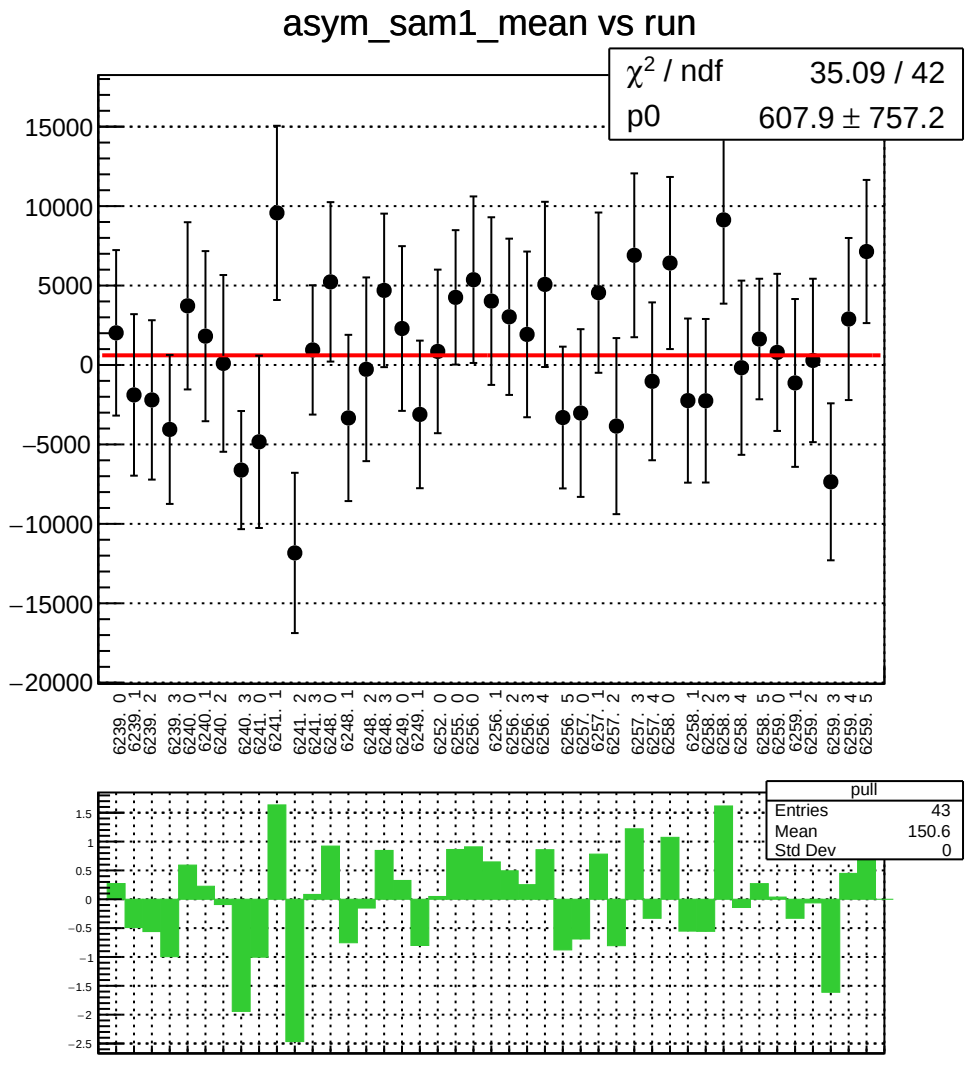

eigen_dit_asym_sam1_mean vs run
χ² / ndf 38.92 / 42
p0 −55.77 ± 105.7
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −29.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

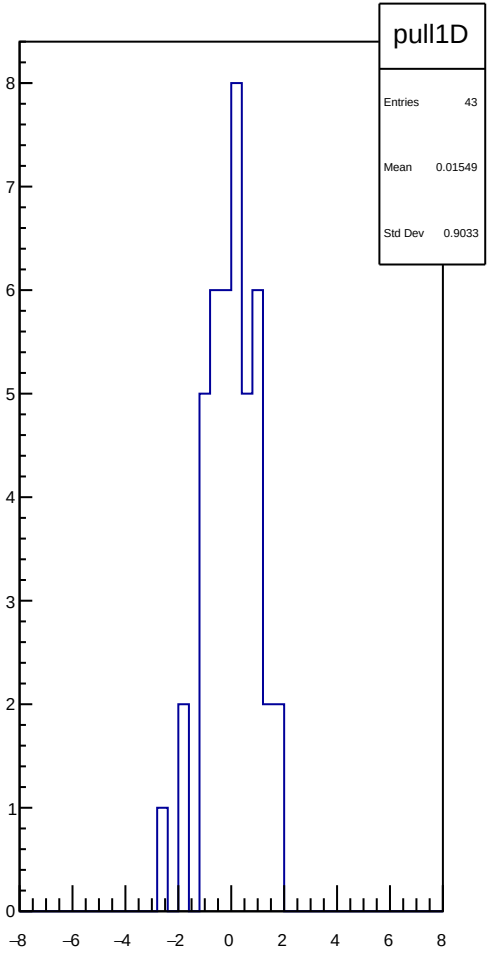

pull1D
Entries 43
Mean −0.02921
Std Dev 0.9509
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

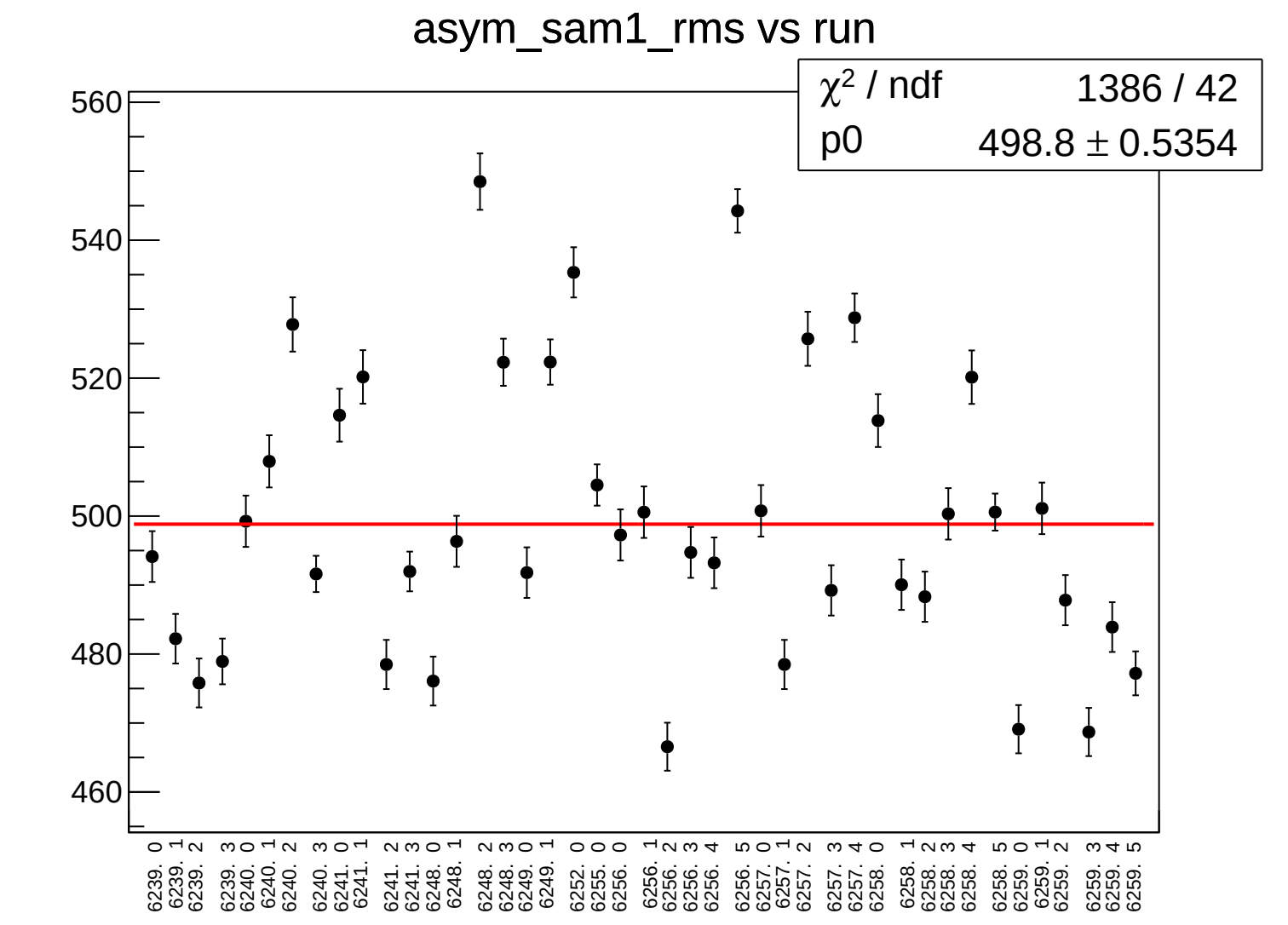

eigen_dit_asym_sam1_rms vs run
$\chi^2$ / ndf 1493 / 42
p0 69.61 ± 0.07471
82
80
78
76
74
72
70
68
66
64
62
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

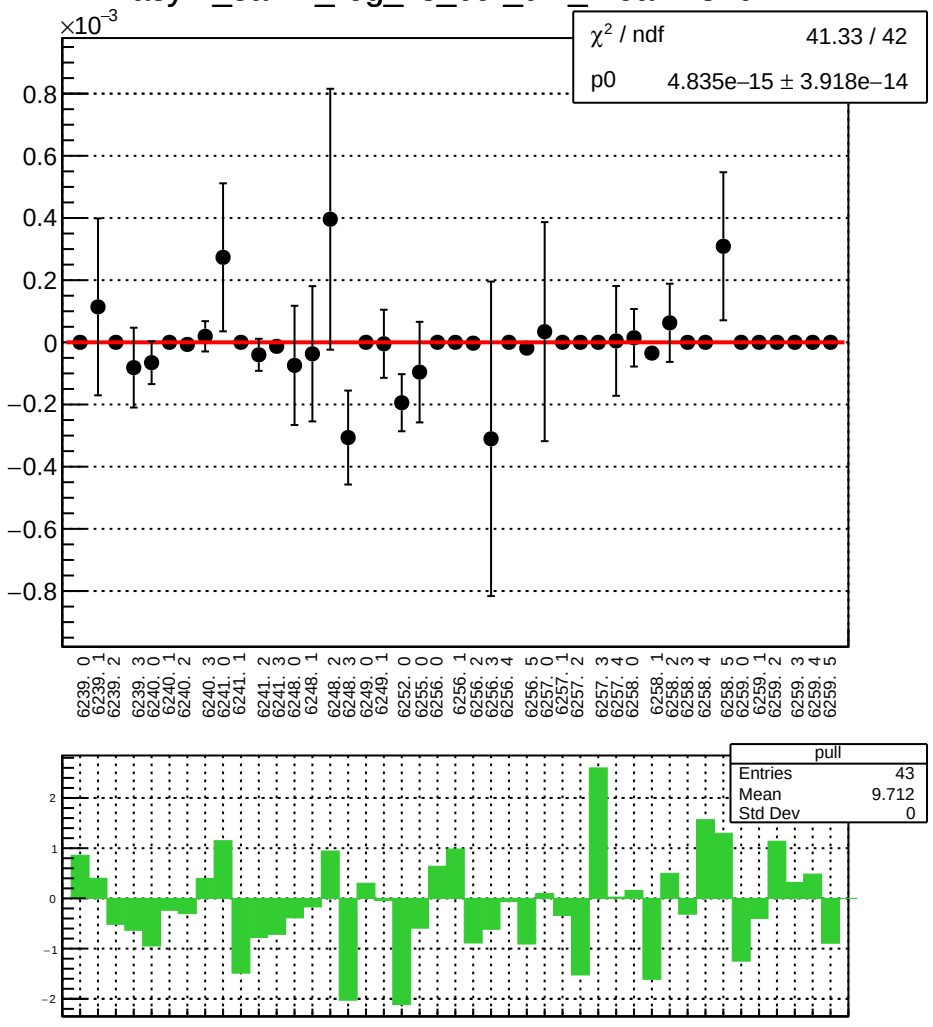

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 35.37 / 42
p0 −699.6 ± 772.2
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 134.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.01556
Std Dev 0.9068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

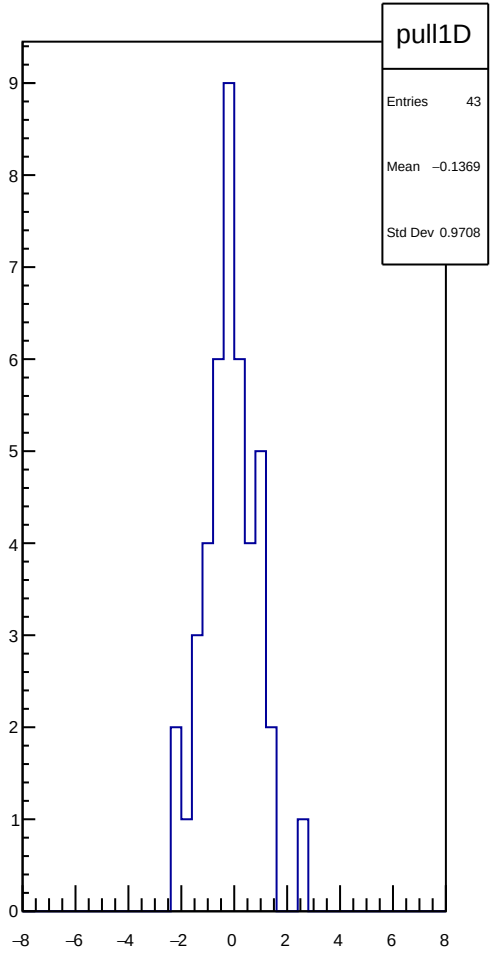

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 1134 / 42
p0 508.8 ± 0.546
560
540
520
500
480
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

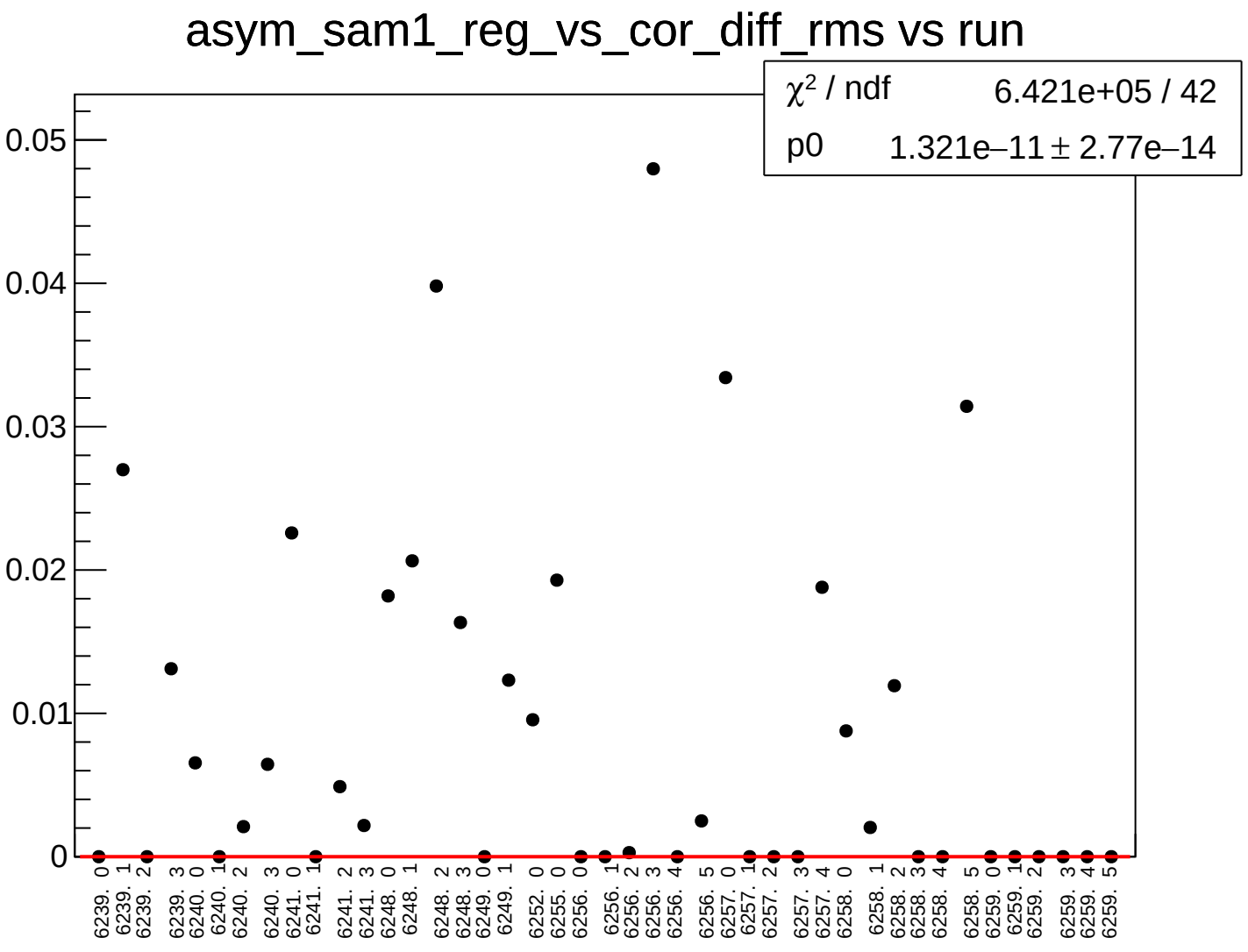

asym_sam1_mean vs run
χ² / ndf 35.09 / 42
p0 607.9 ± 757.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 150.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

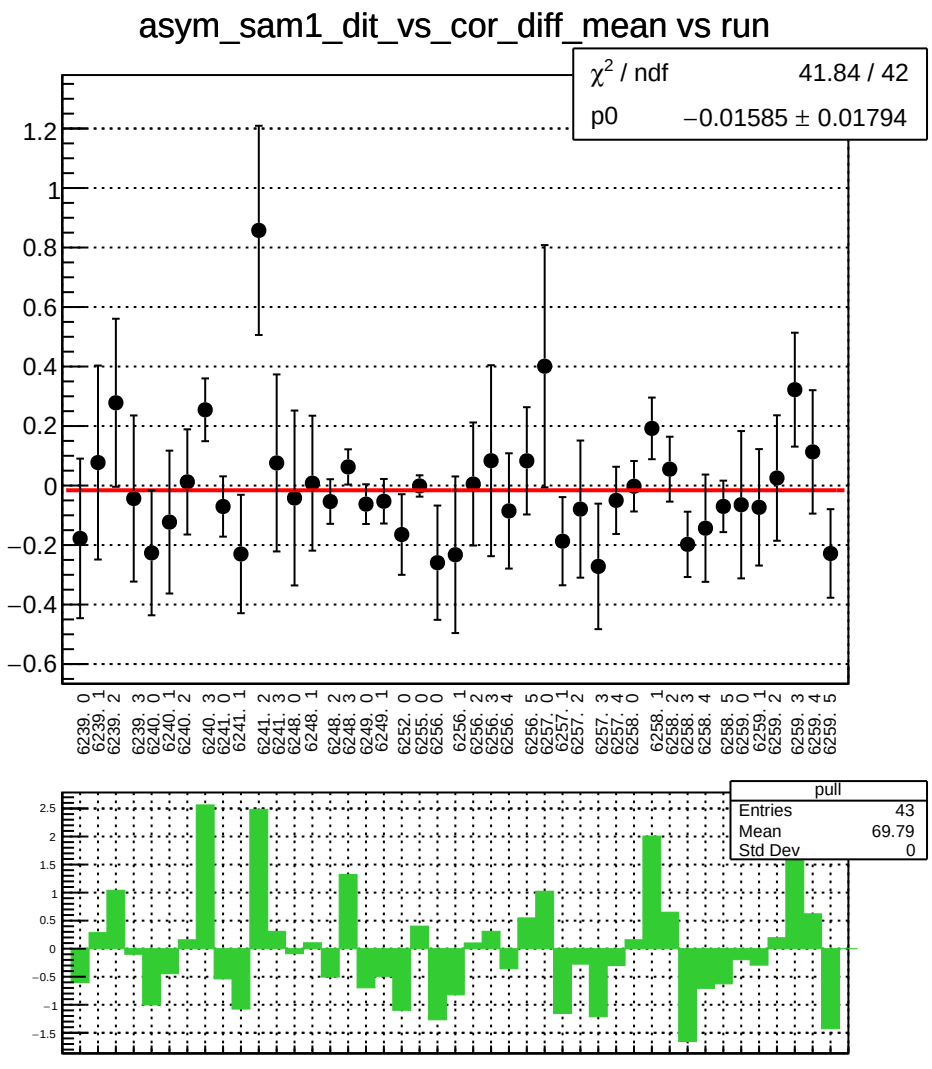

pull1D
Entries 43
Mean 0.01549
Std Dev 0.9033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

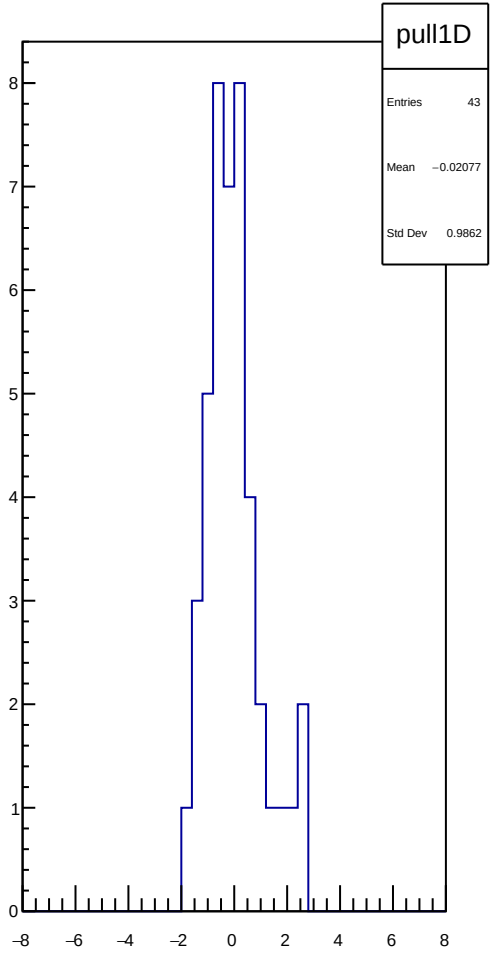

asym_sam1_rms vs run
χ² / ndf 1386 / 42
p0 498.8 ± 0.5354
560
540
520
500
480
460
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

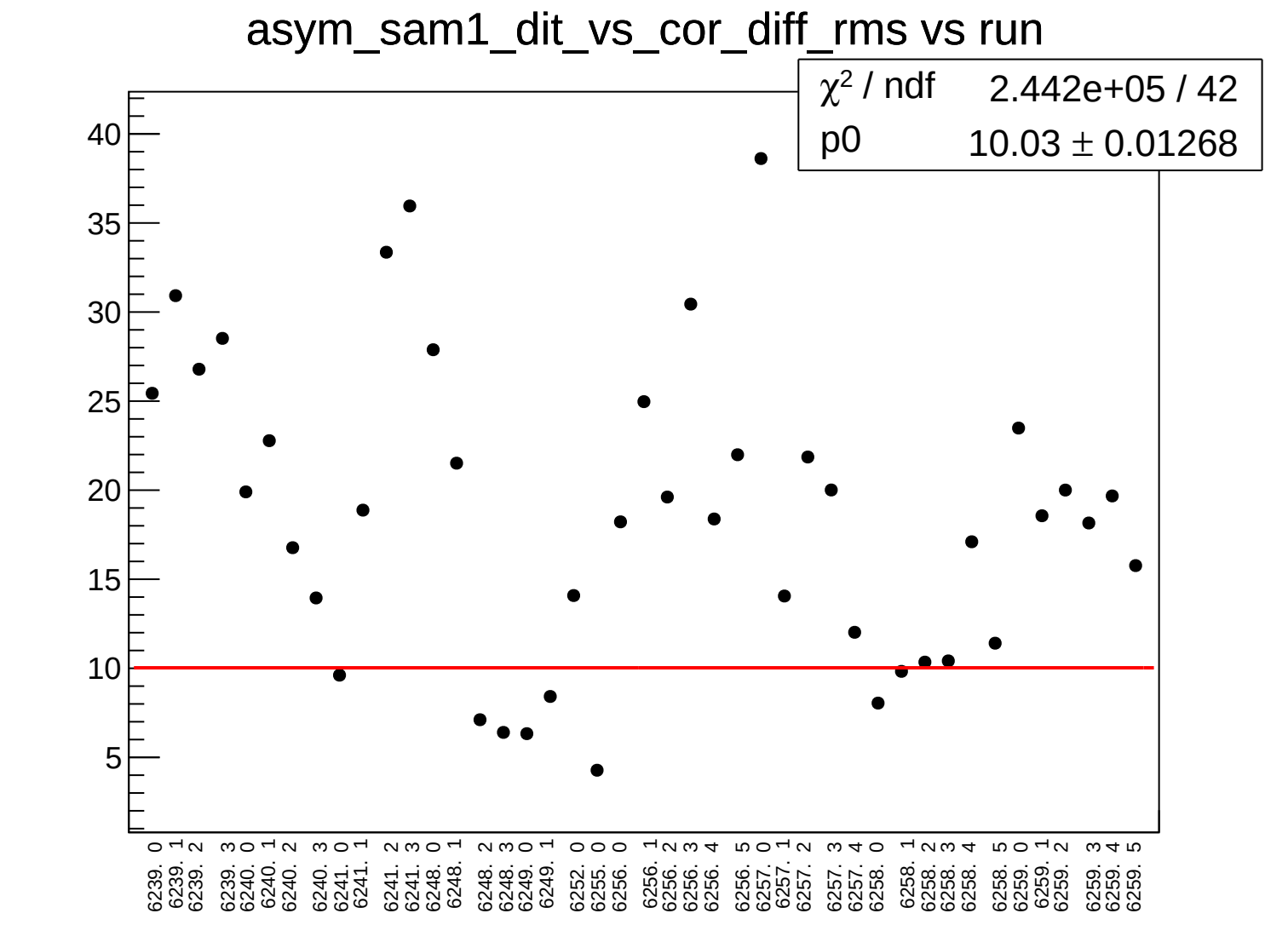

asym_sam1_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 41.33 / 42
p0 4.835e−15 ± 3.918e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.712
Std Dev 0
2
1
0
−1
−2

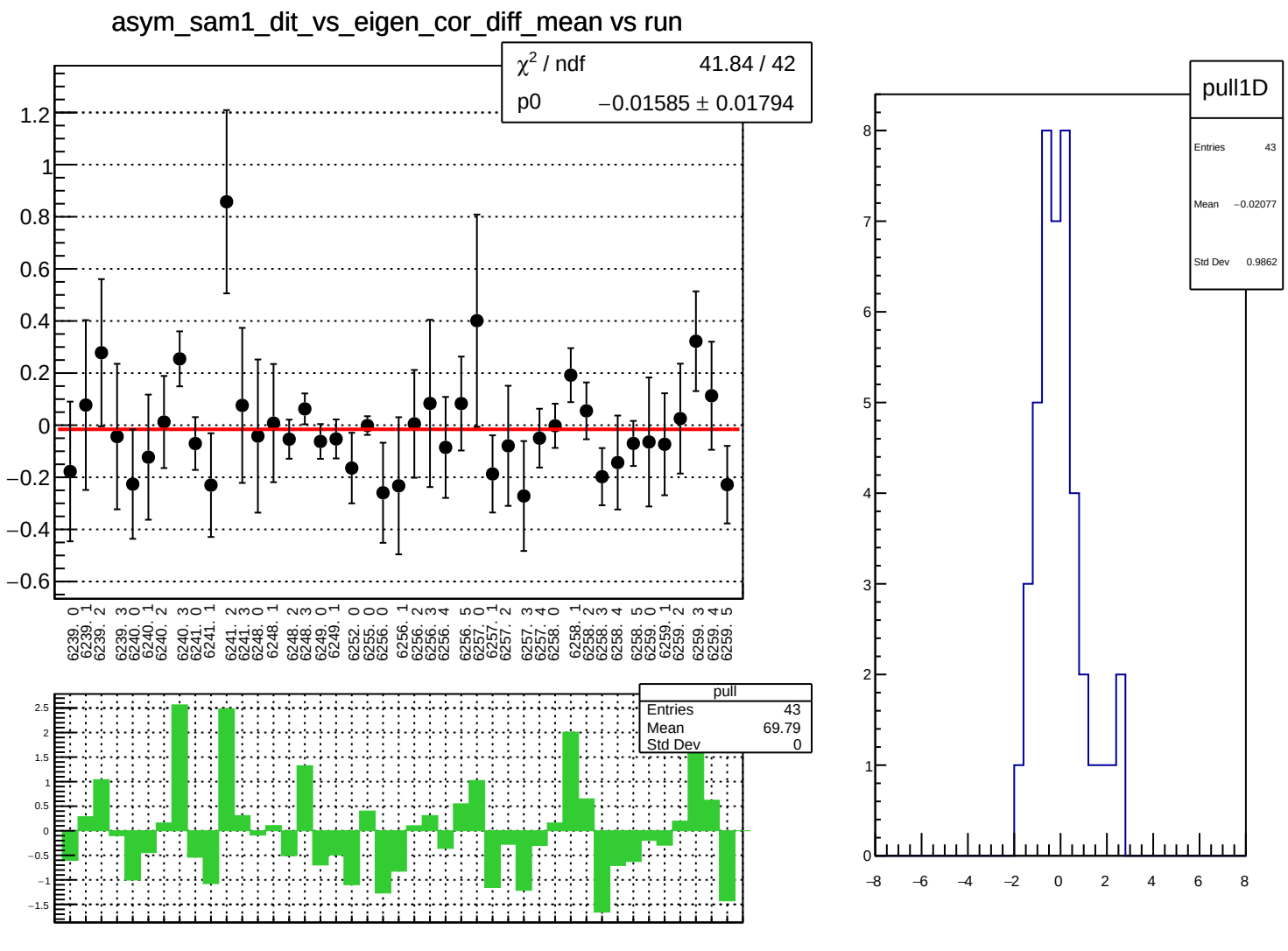

pull1D
Entries 43
Mean −0.1369
Std Dev 0.9708
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

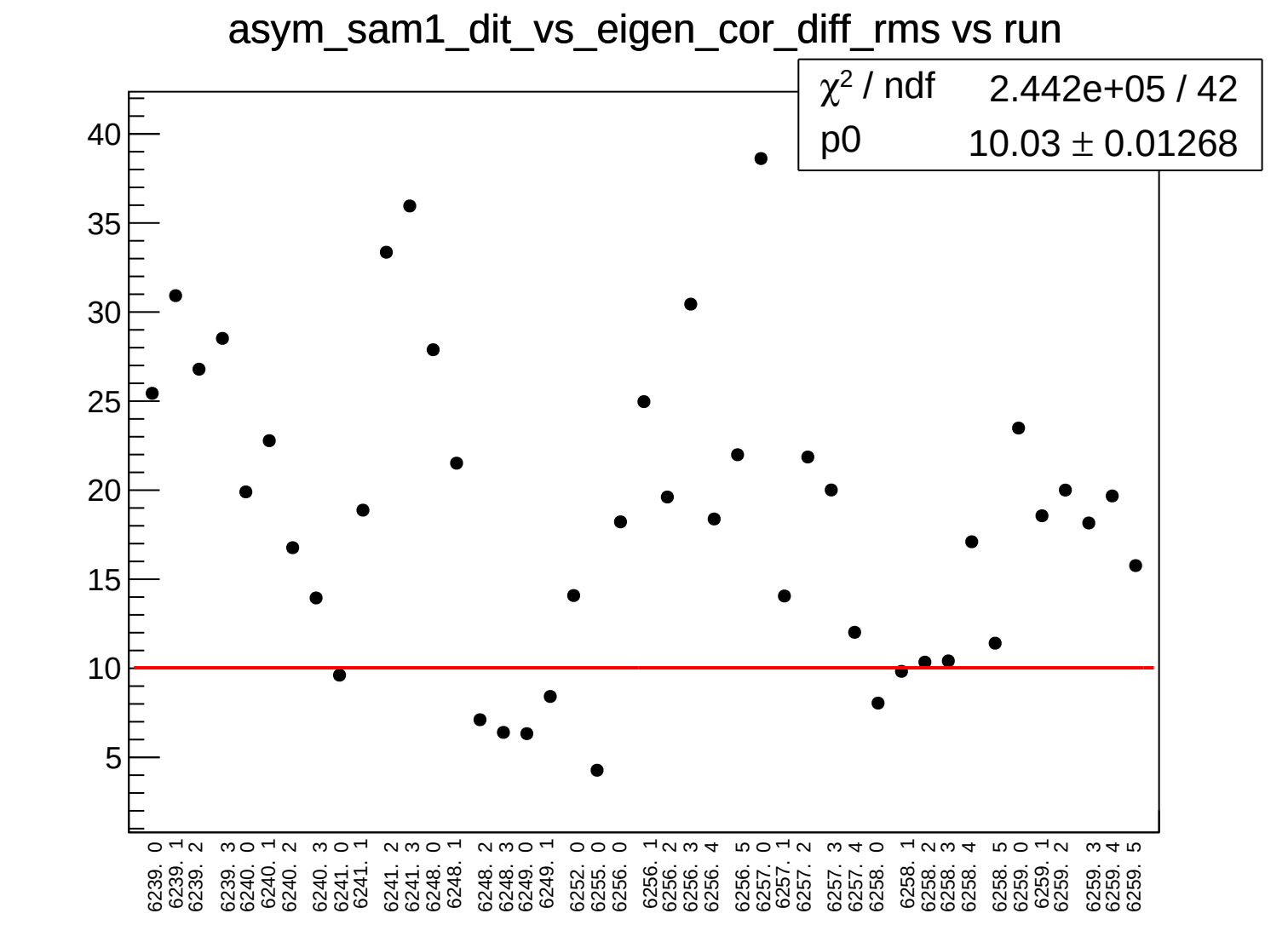

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.421e+05 / 42
p0 1.321e−11 ± 2.77e−14
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

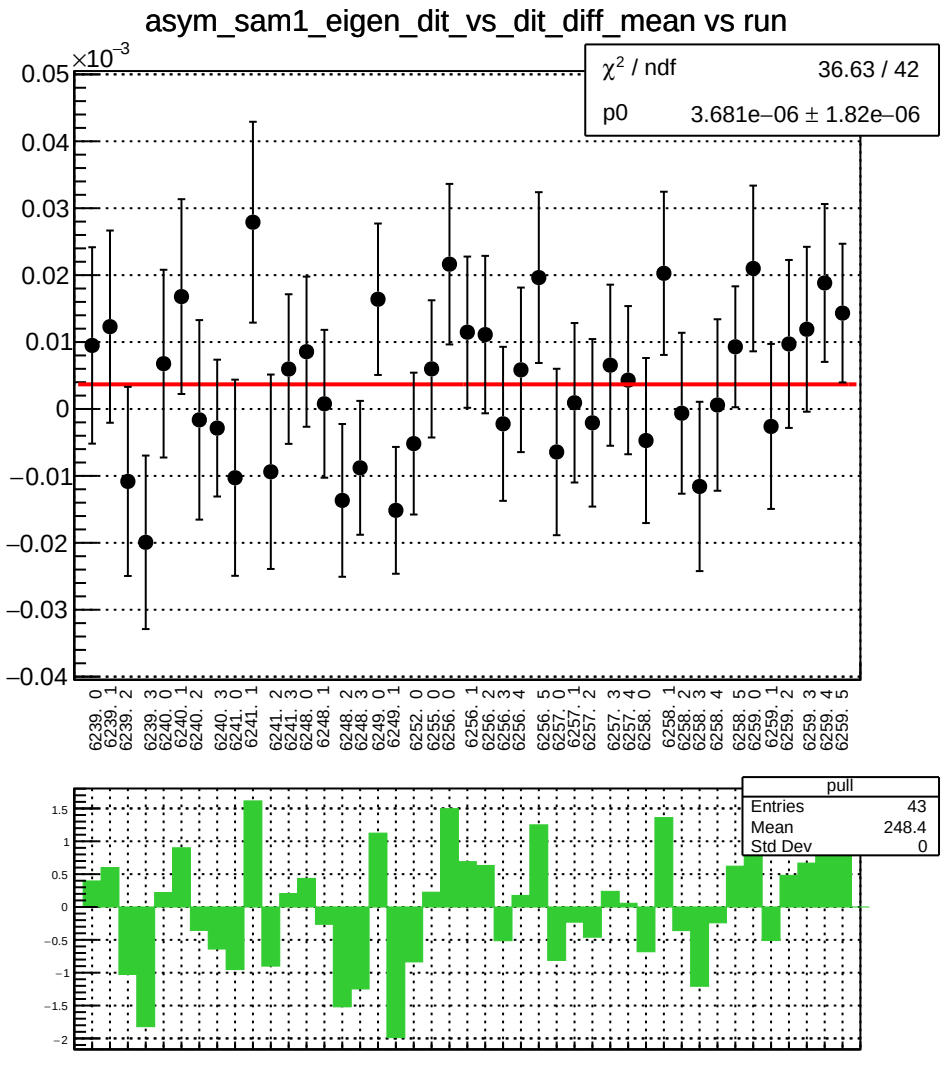

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 41.84 / 42
p0 −0.01585 ± 0.01794
pull
Entries 43
Mean 69.79
Std Dev 0

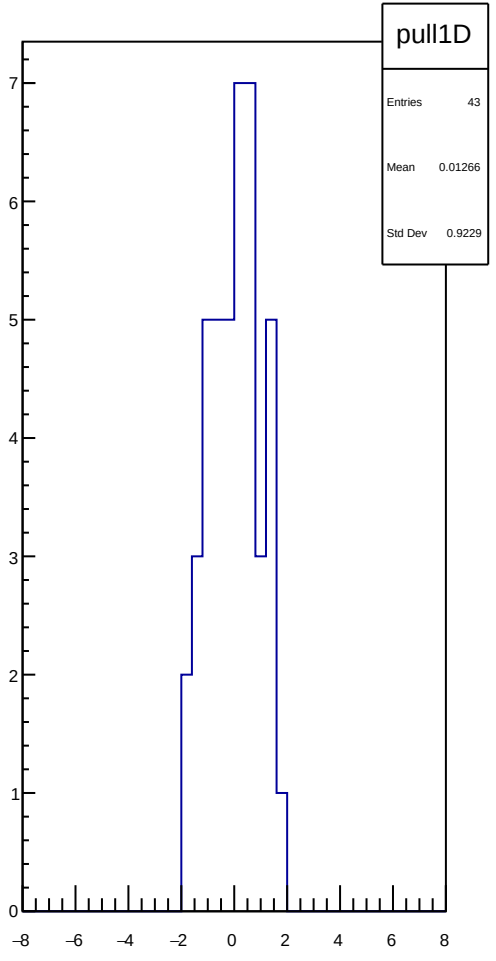

pull1D
Entries 43
Mean −0.02077
Std Dev 0.9862

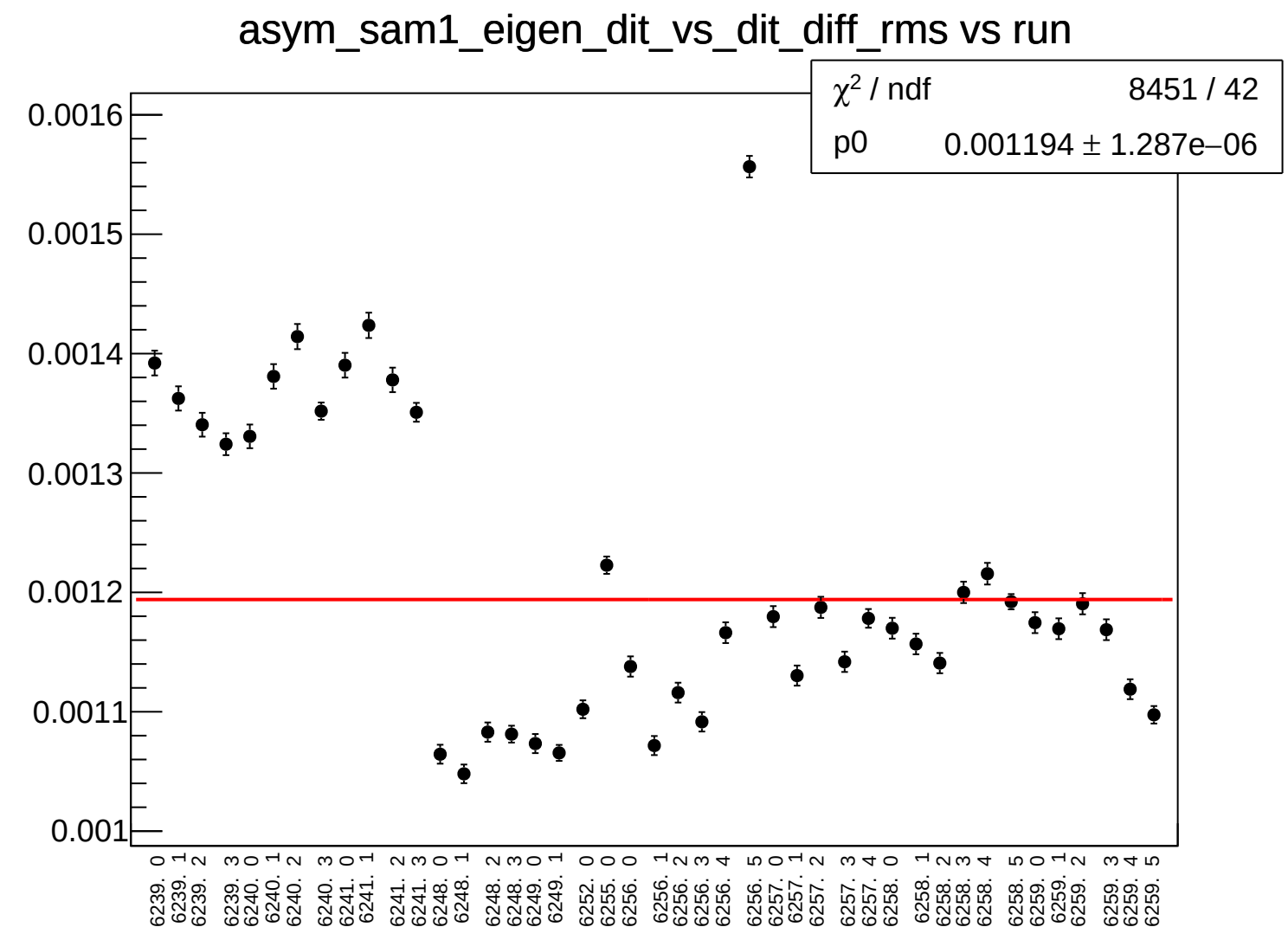

asym_sam1_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 2.442e+05 / 42
p0 10.03 ± 0.01268
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

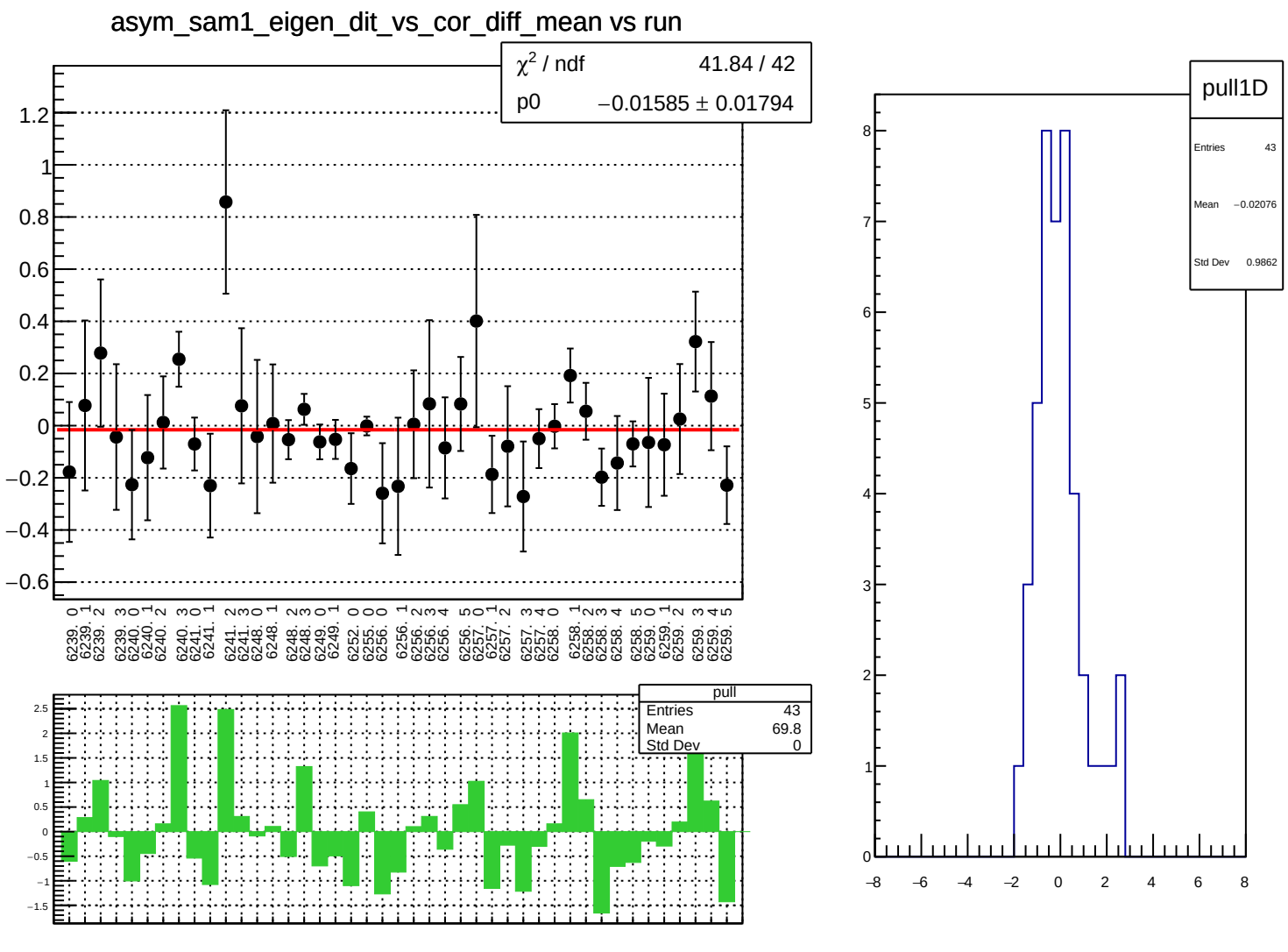

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.84 / 42
p0 −0.01585 ± 0.01794
pull
Entries 43
Mean 69.79
Std Dev 0
pull1D
Entries 43
Mean −0.02077
Std Dev 0.9862

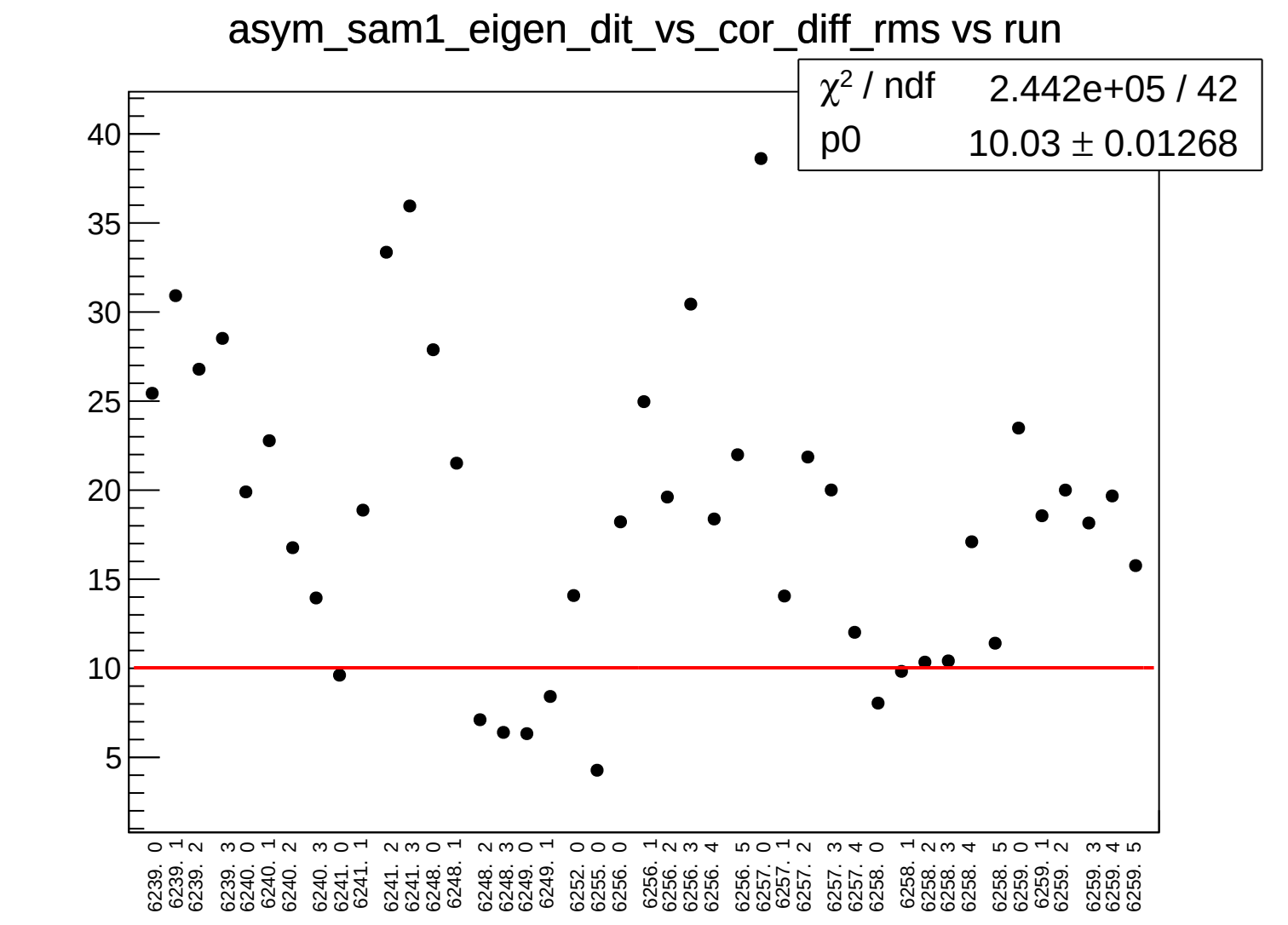

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 42
p0 10.03 ± 0.01268
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

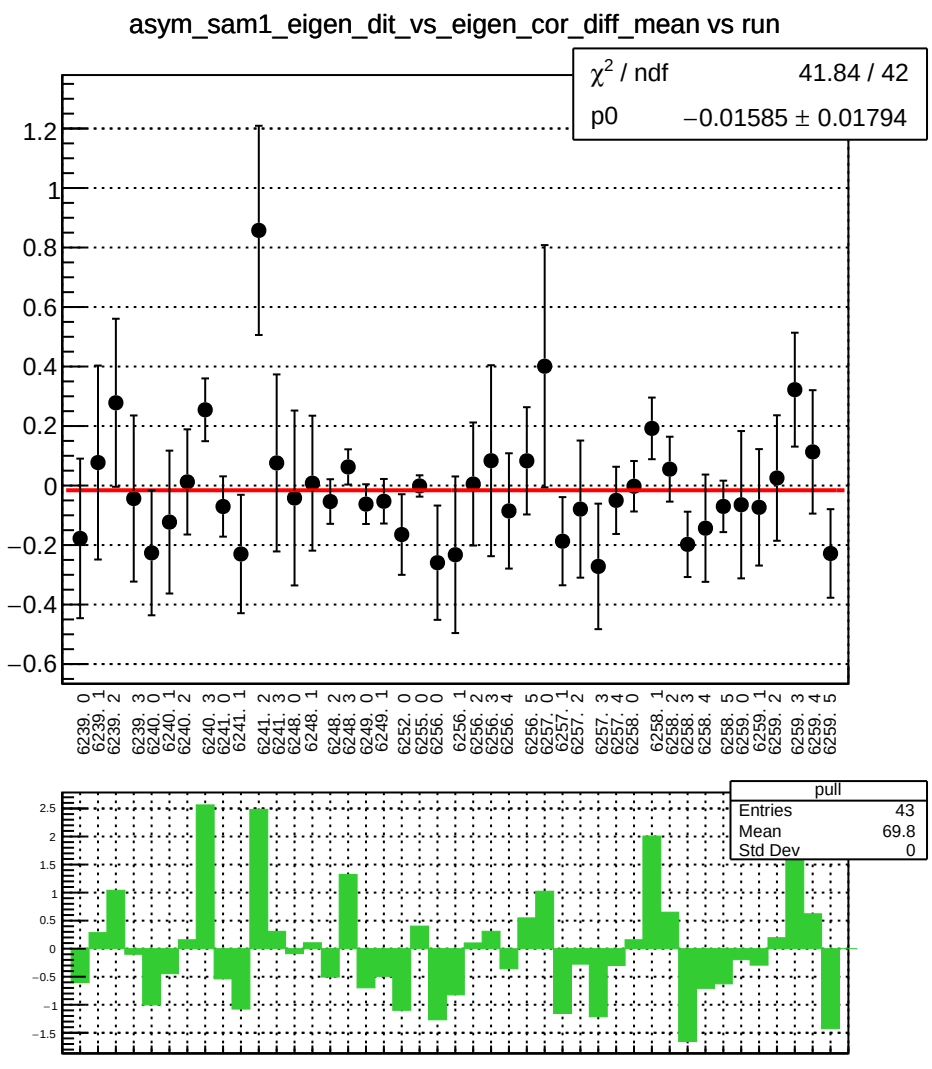

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.63 / 42
p0 3.681e−06 ± 1.82e−06
pull
Entries 43
Mean 248.4
Std Dev 0

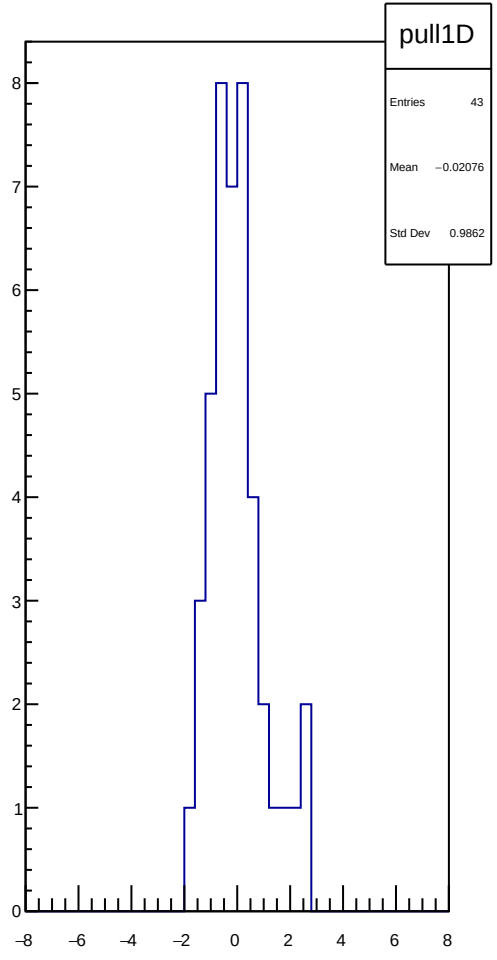

pull1D
Entries 43
Mean 0.01266
Std Dev 0.9229

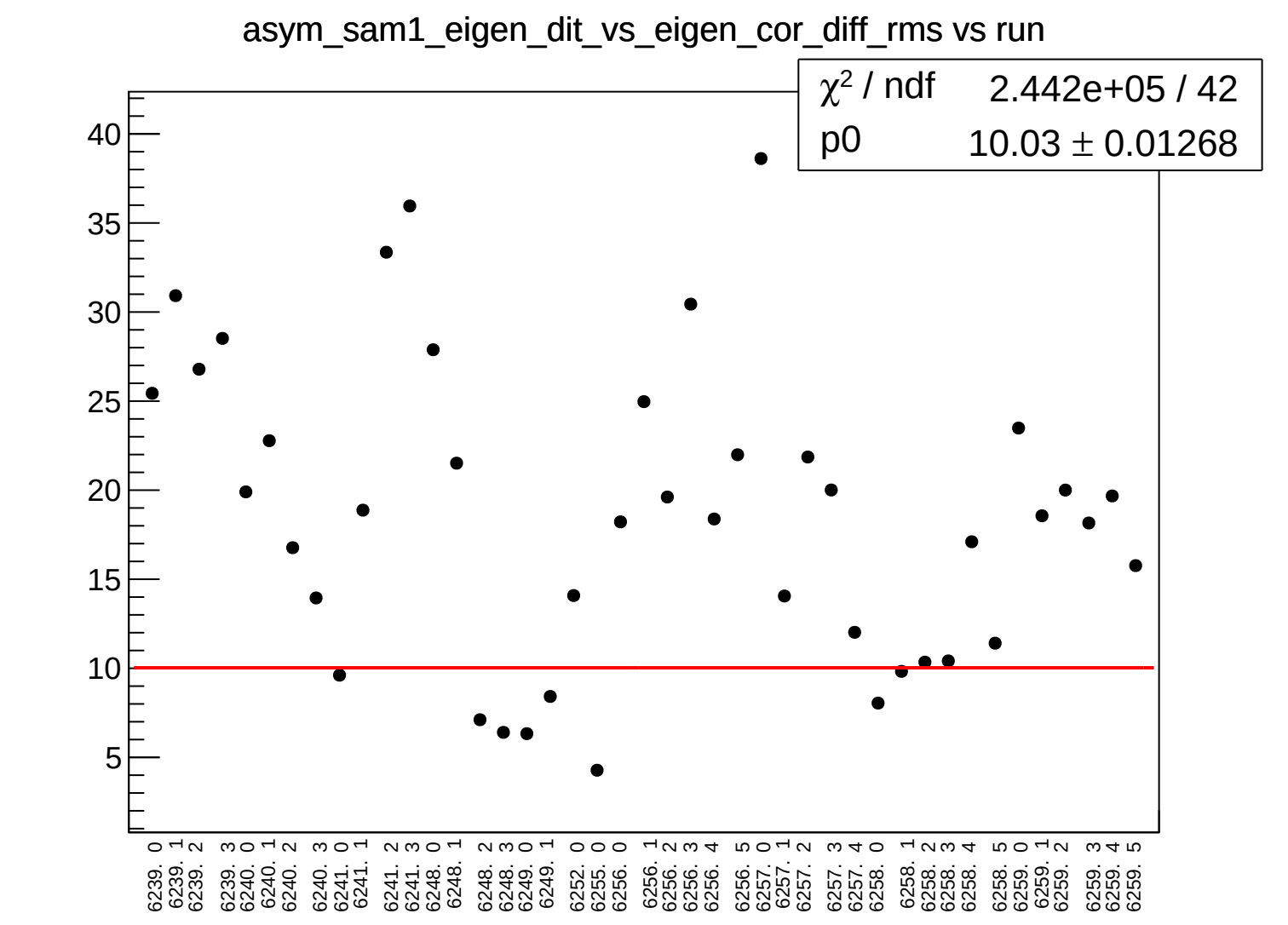

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8451 / 42
p0 0.001194 ± 1.287e−06
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.84 / 42
p0 −0.01585 ± 0.01794
pull
Entries 43
Mean 69.8
Std Dev 0
pull1D
Entries 43
Mean −0.02076
Std Dev 0.9862

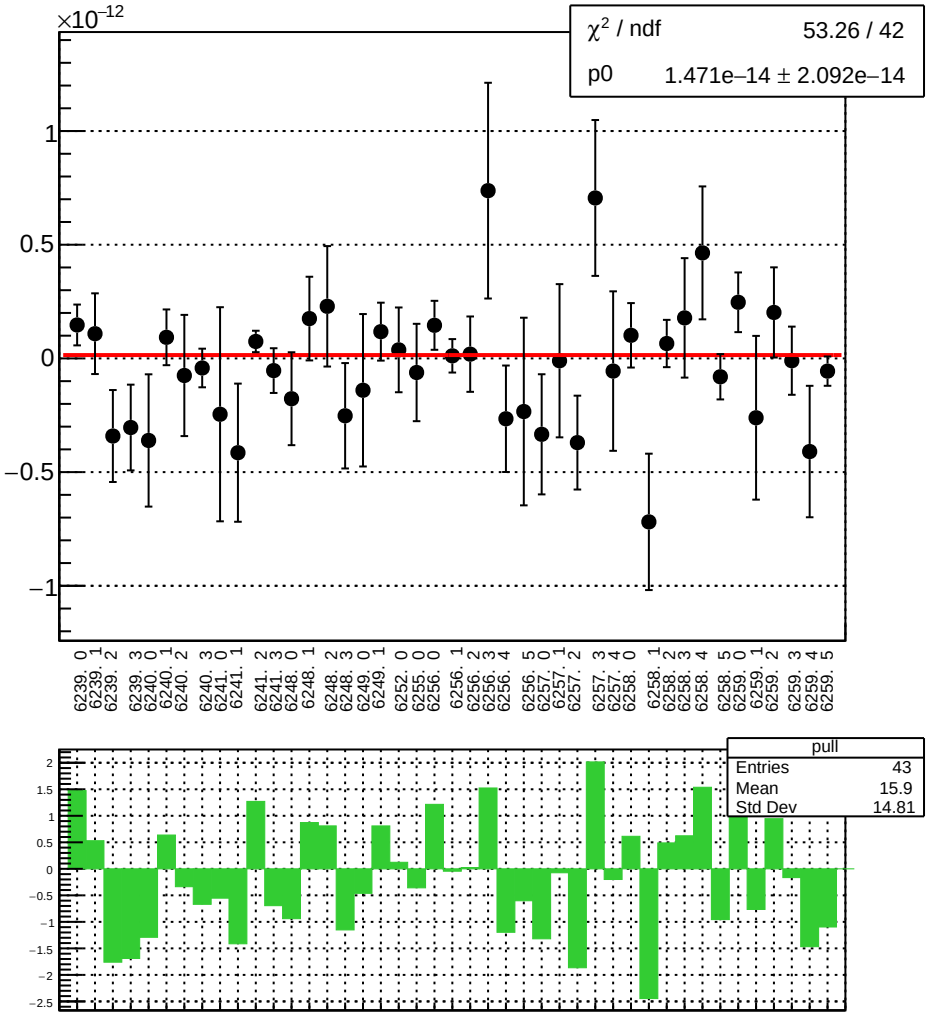

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 42
p0 10.03 ± 0.01268
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

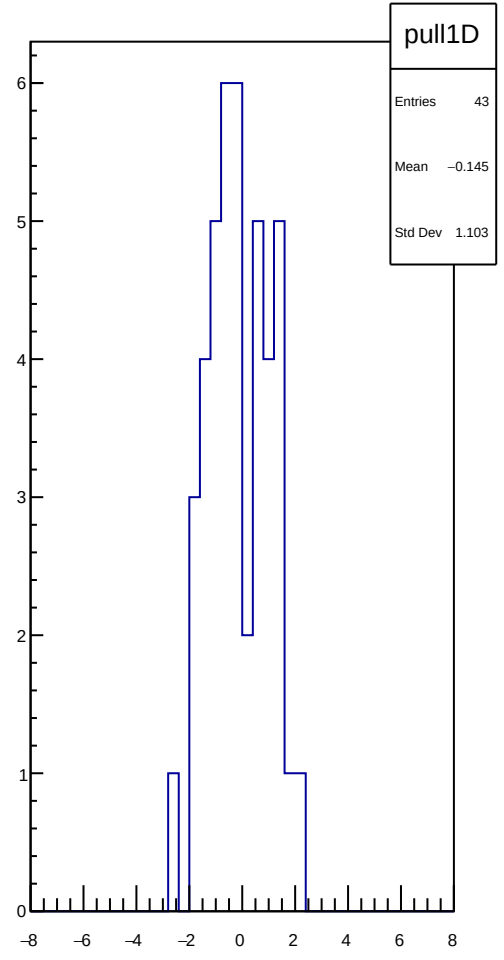

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.84 / 42
p0 −0.01585 ± 0.01794
pull
Entries 43
Mean 69.8
Std Dev 0

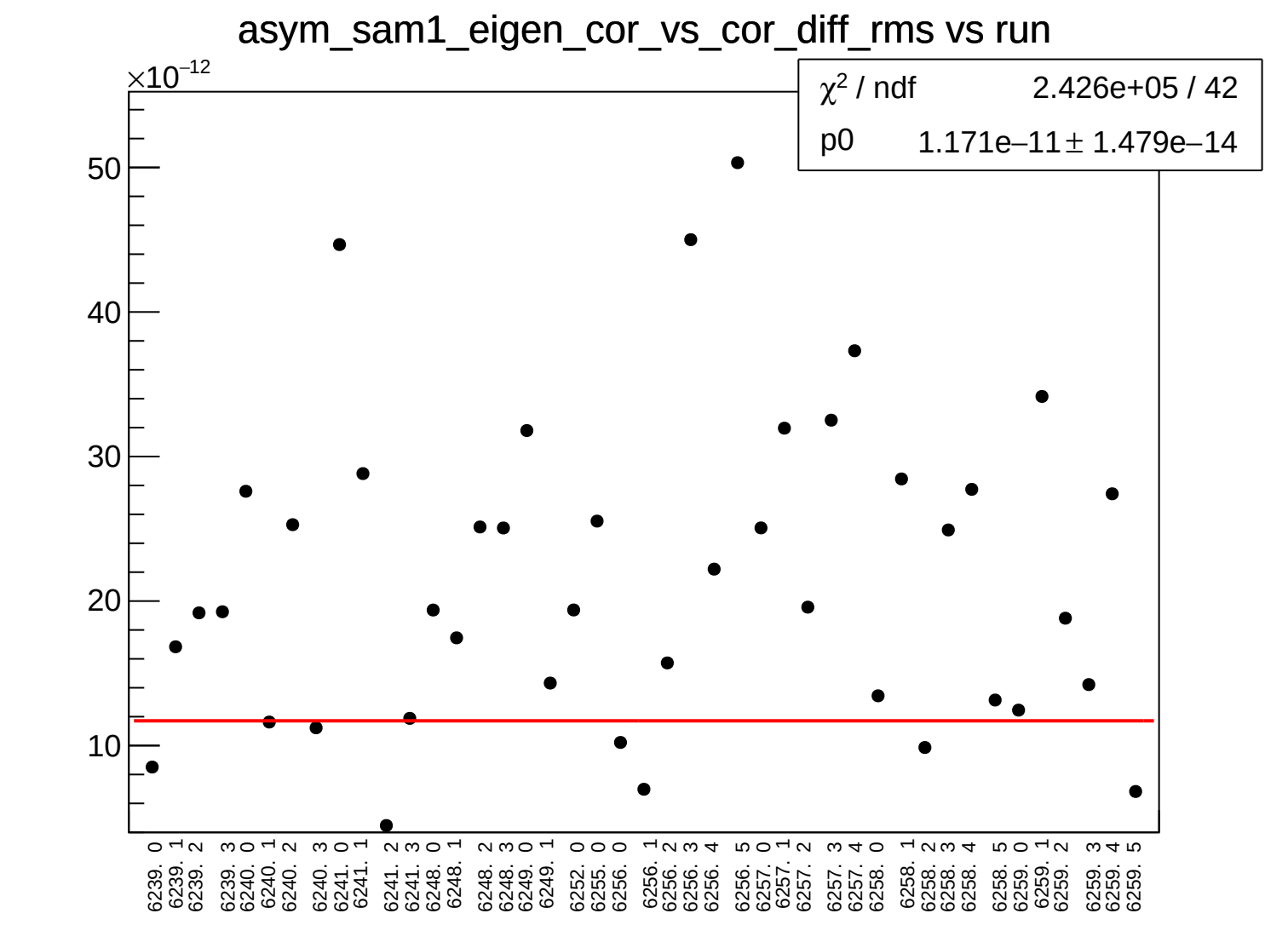

pull1D
Entries 43
Mean −0.02076
Std Dev 0.9862

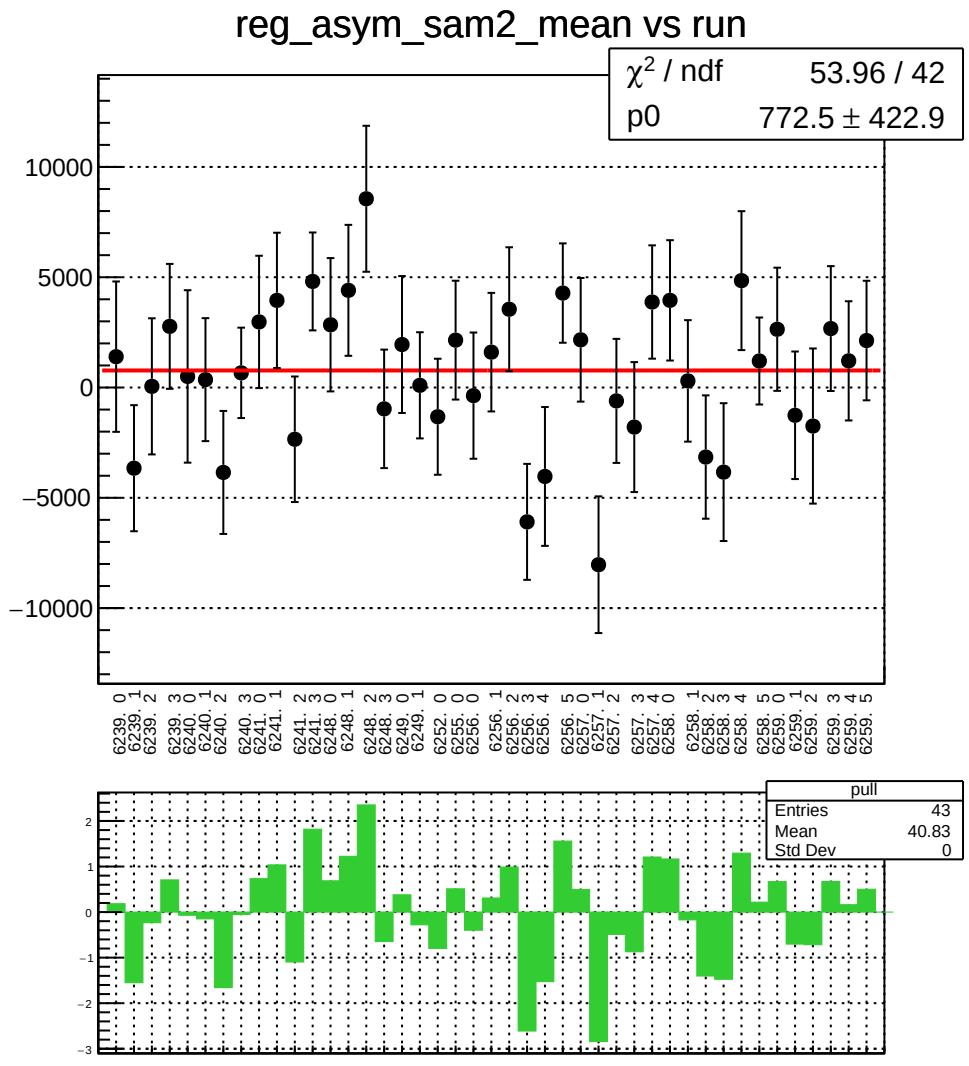

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 42
p0 10.03 ± 0.01268
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

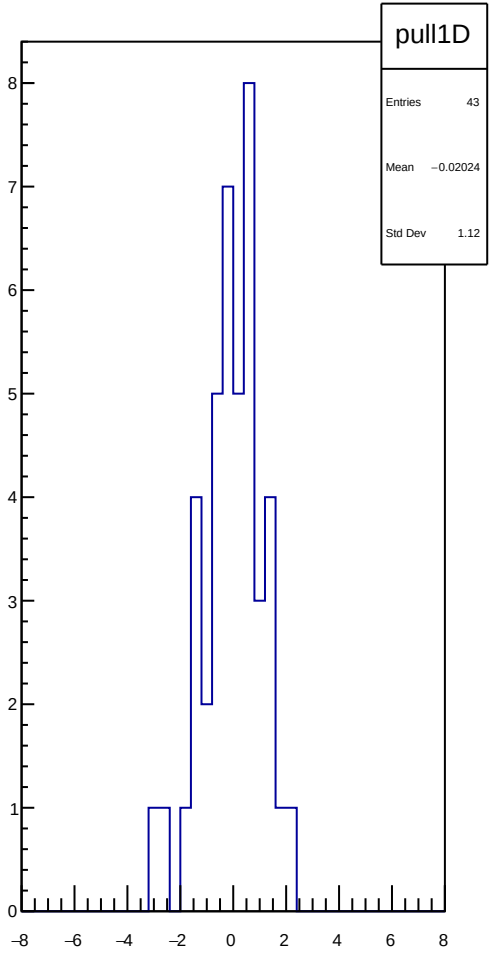
asym_sam1_eigen_cor_vs_cor_diff_mean vs run

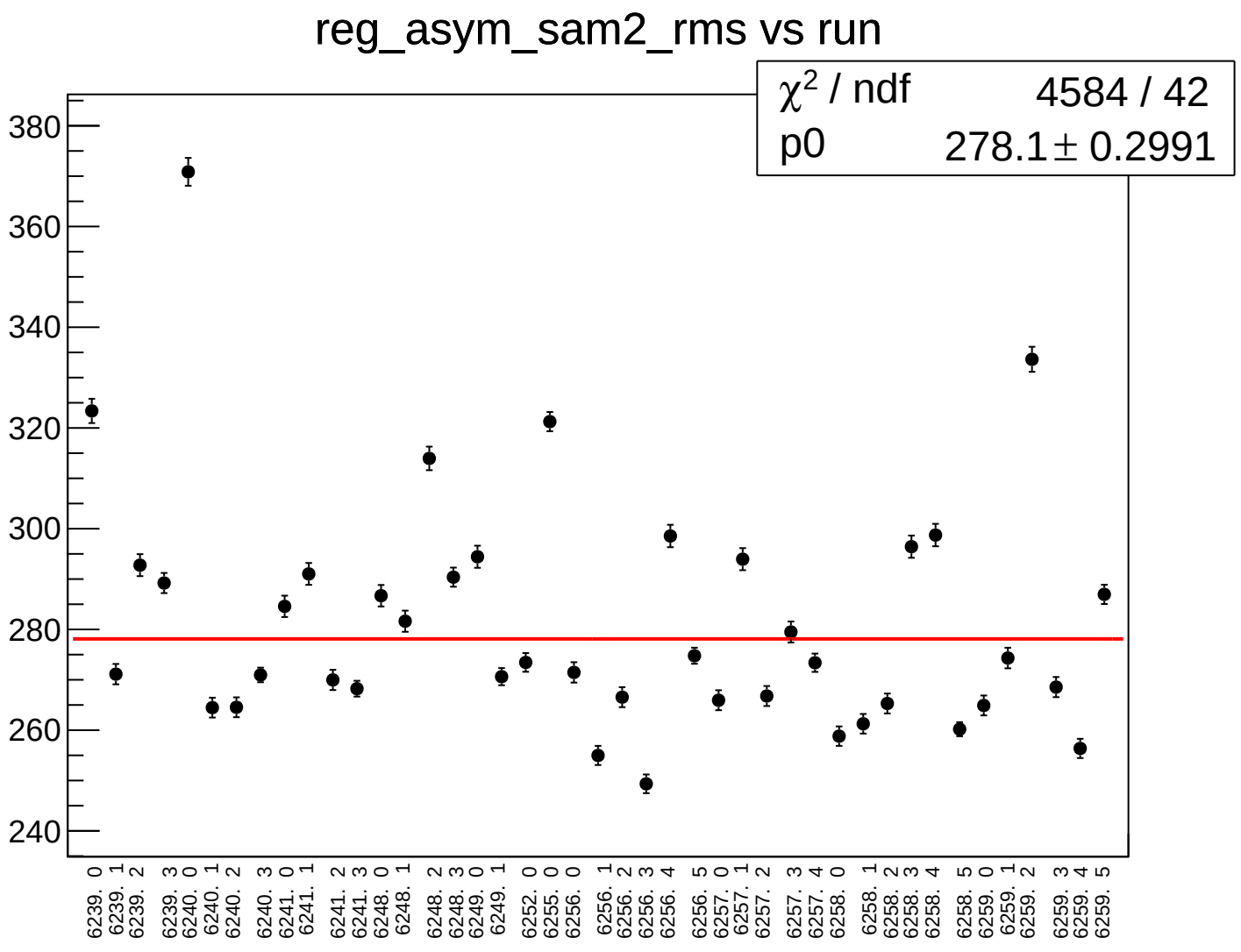


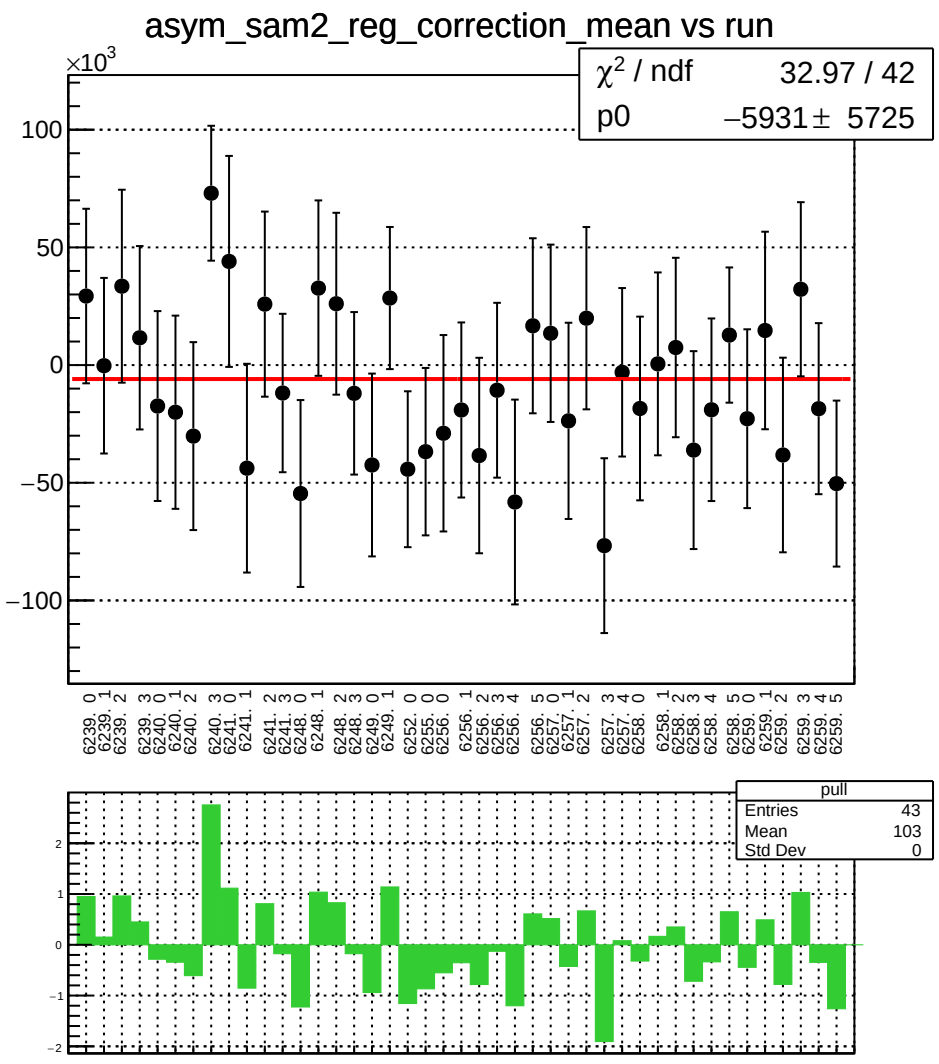



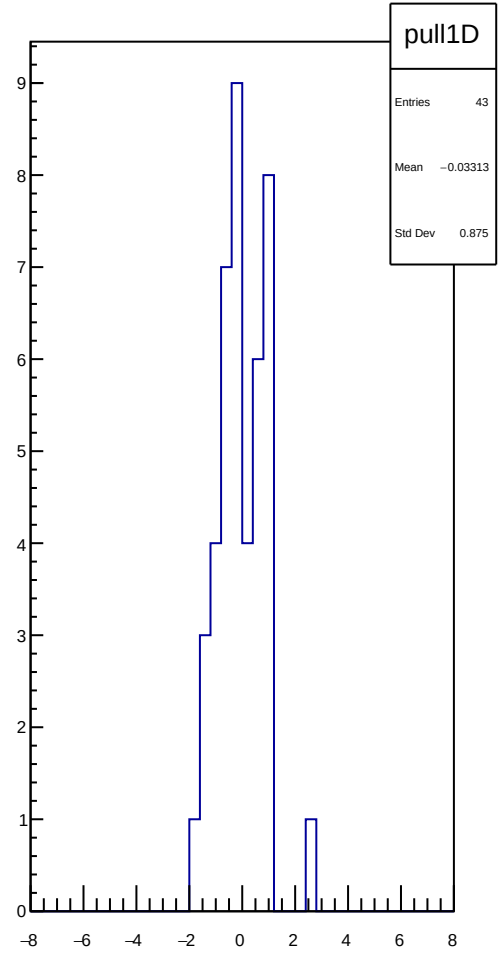

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.426e+05 / 42
p0 1.171e−11 ± 1.479e−14
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

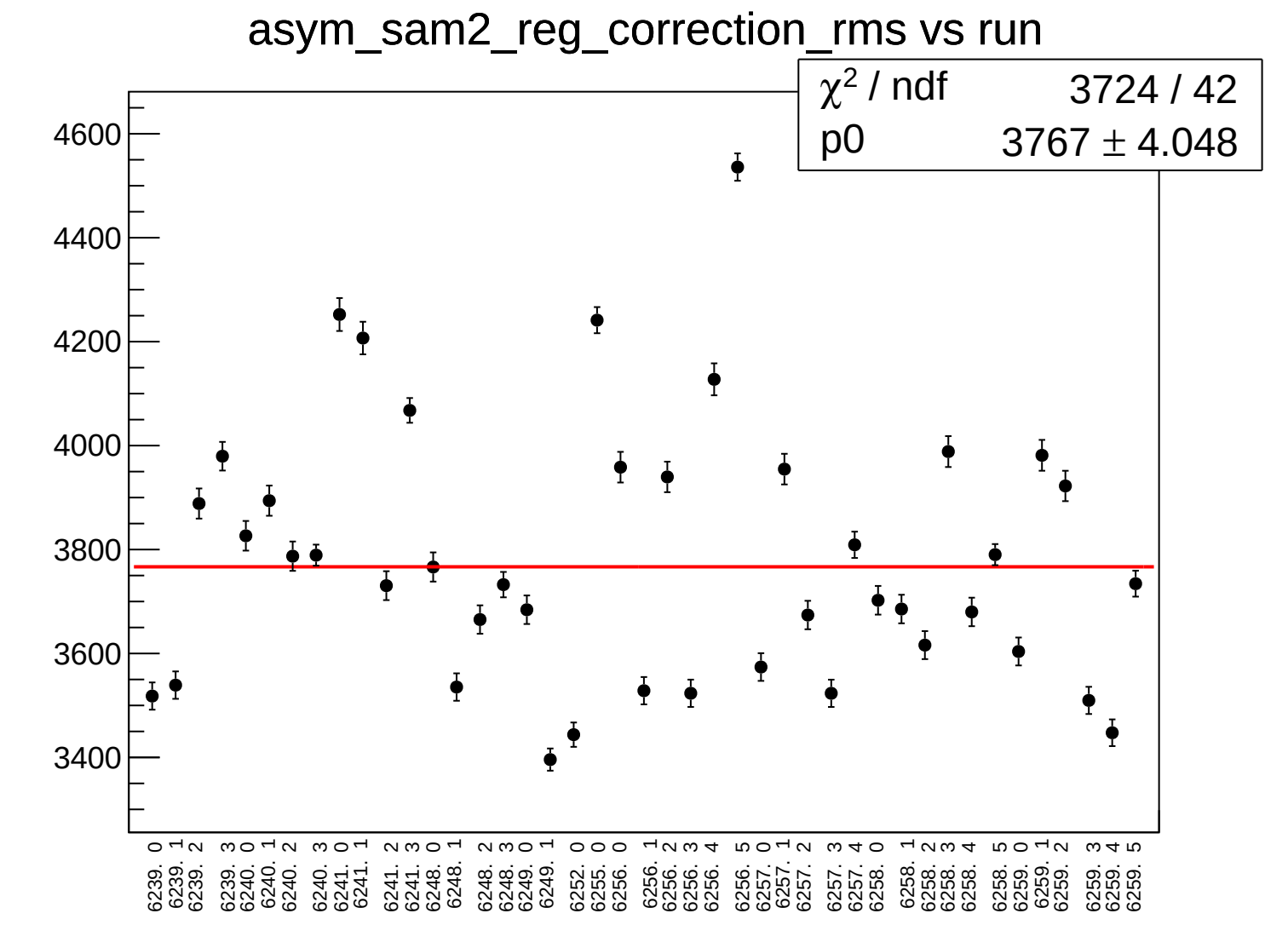

reg_asym_sam2_mean vs run
χ² / ndf 53.96 / 42
p0 772.5 ± 422.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.83
Std Dev 0
2
1
0
−1
−2
−3

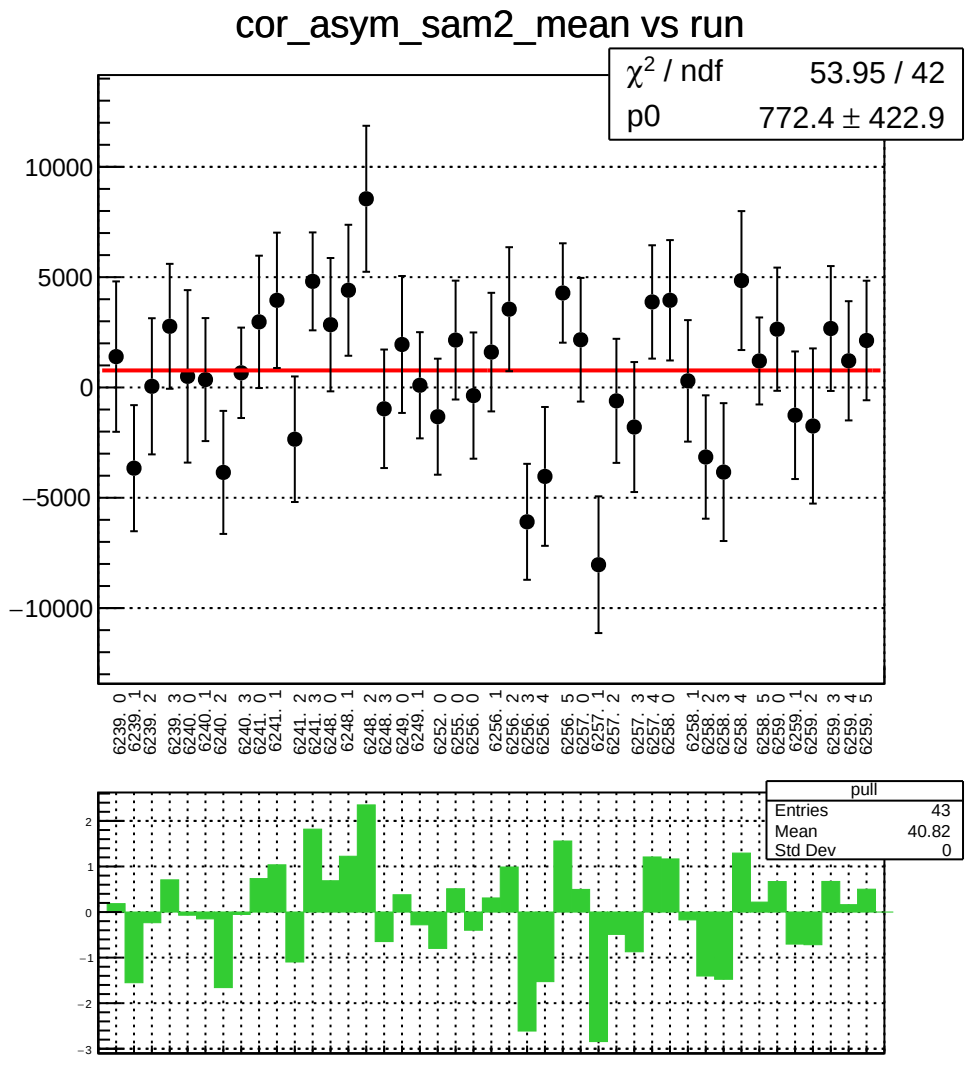

pull1D
Entries 43
Mean −0.02024
Std Dev 1.12
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

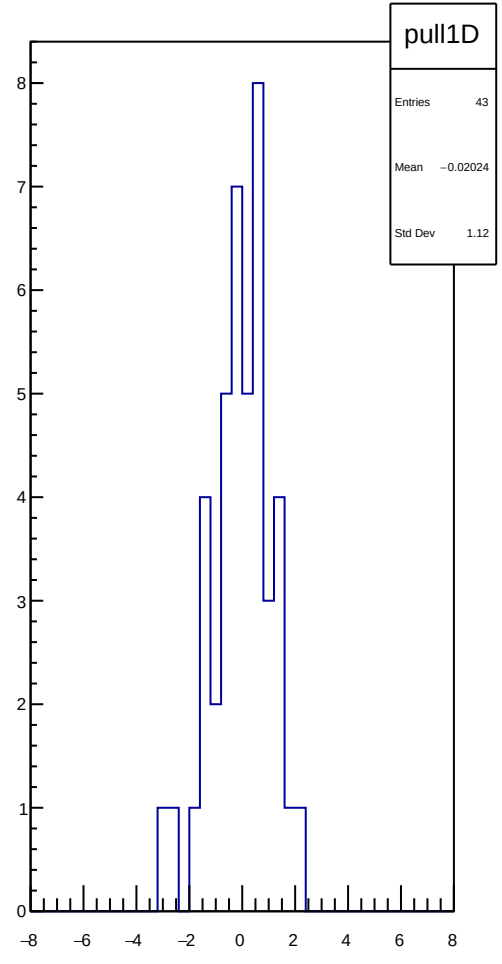

reg_asym_sam2_rms vs run
χ² / ndf 4584 / 42
p0 278.1 ± 0.2991
380
360
340
320
300
280
260
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

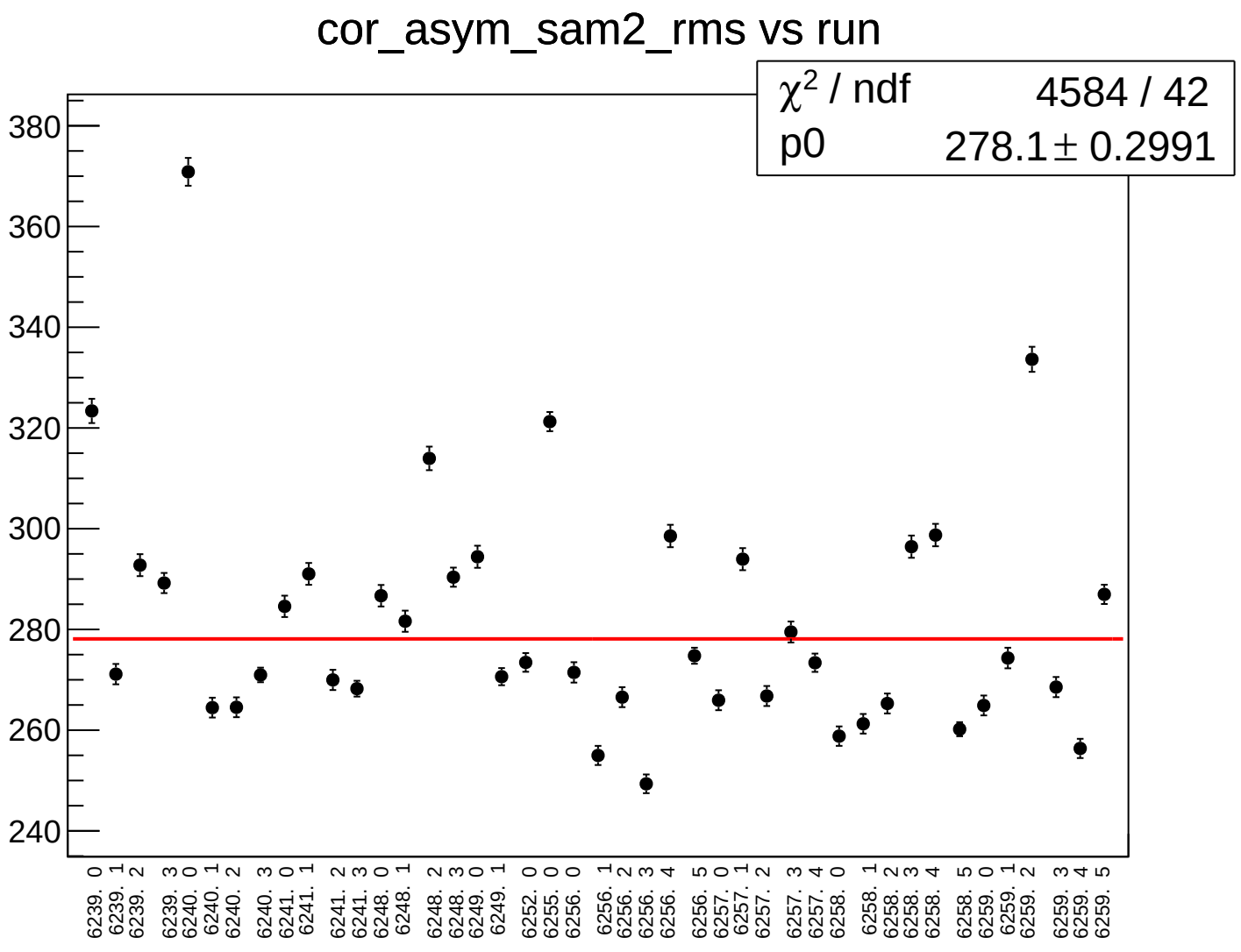

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 32.97 / 42
p0 −5931 ± 5725
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103
Std Dev 0
2
1
0
−1
−2

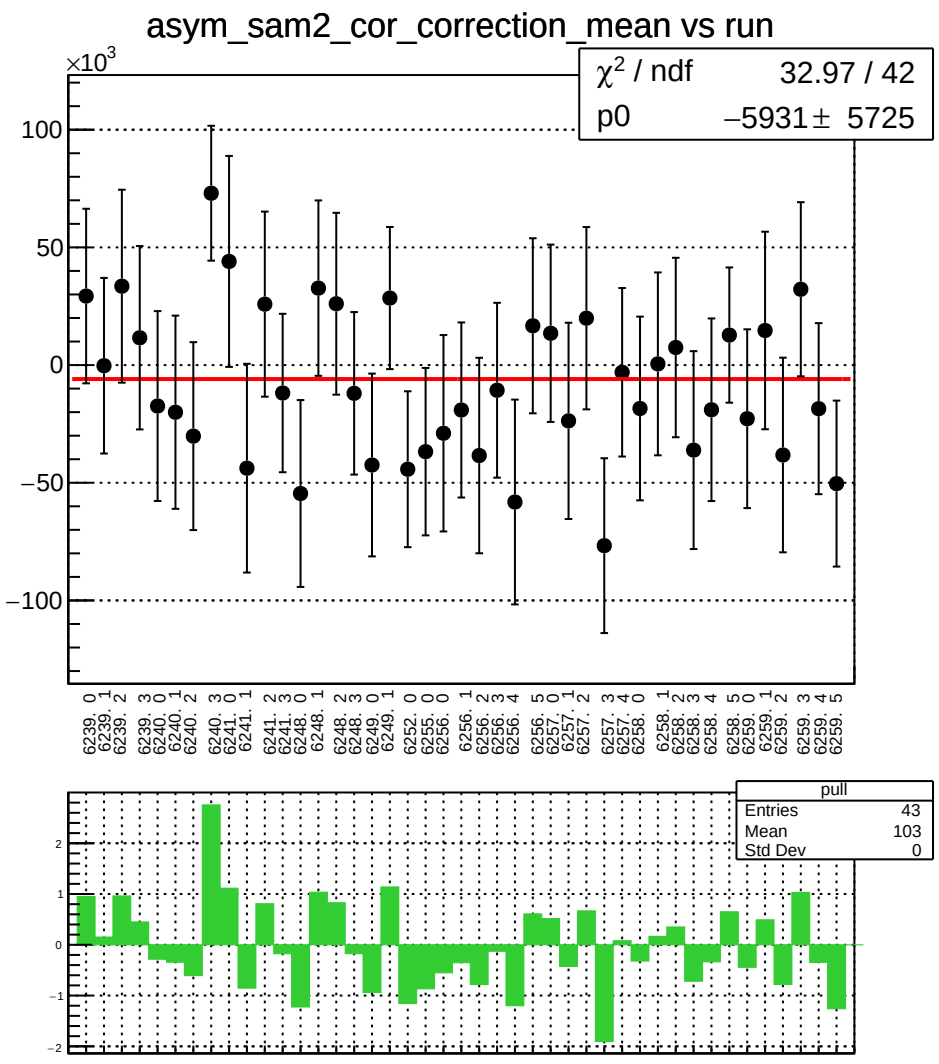

pull1D
Entries 43
Mean −0.03313
Std Dev 0.875
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

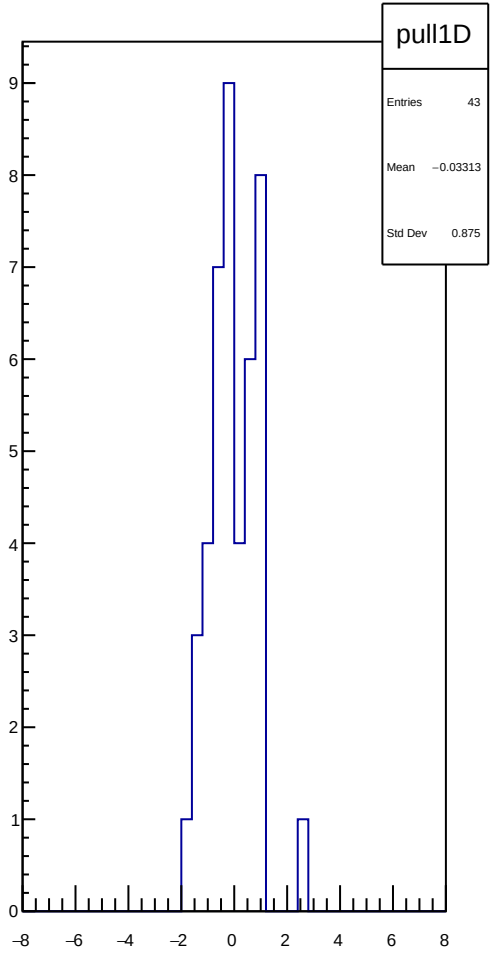

asym_sam2_reg_correction_rms vs run
χ² / ndf 3724 / 42
p0 3767 ± 4.048
4600
4400
4200
4000
3800
3600
3400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

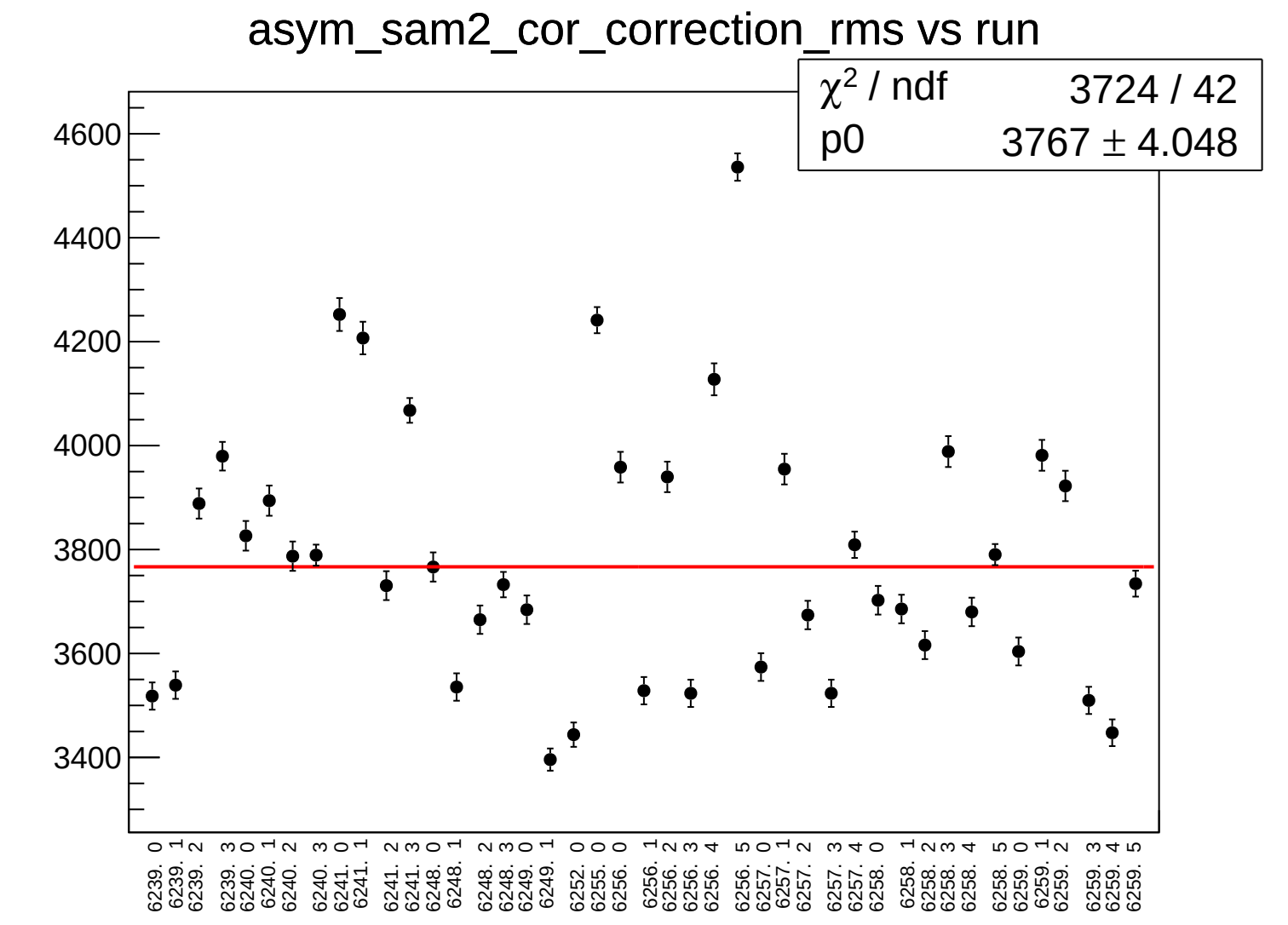

cor_asym_sam2_mean vs run
χ² / ndf 53.95 / 42
p0 772.4 ± 422.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.82
Std Dev 0
2
1
0
−1
−2
−3

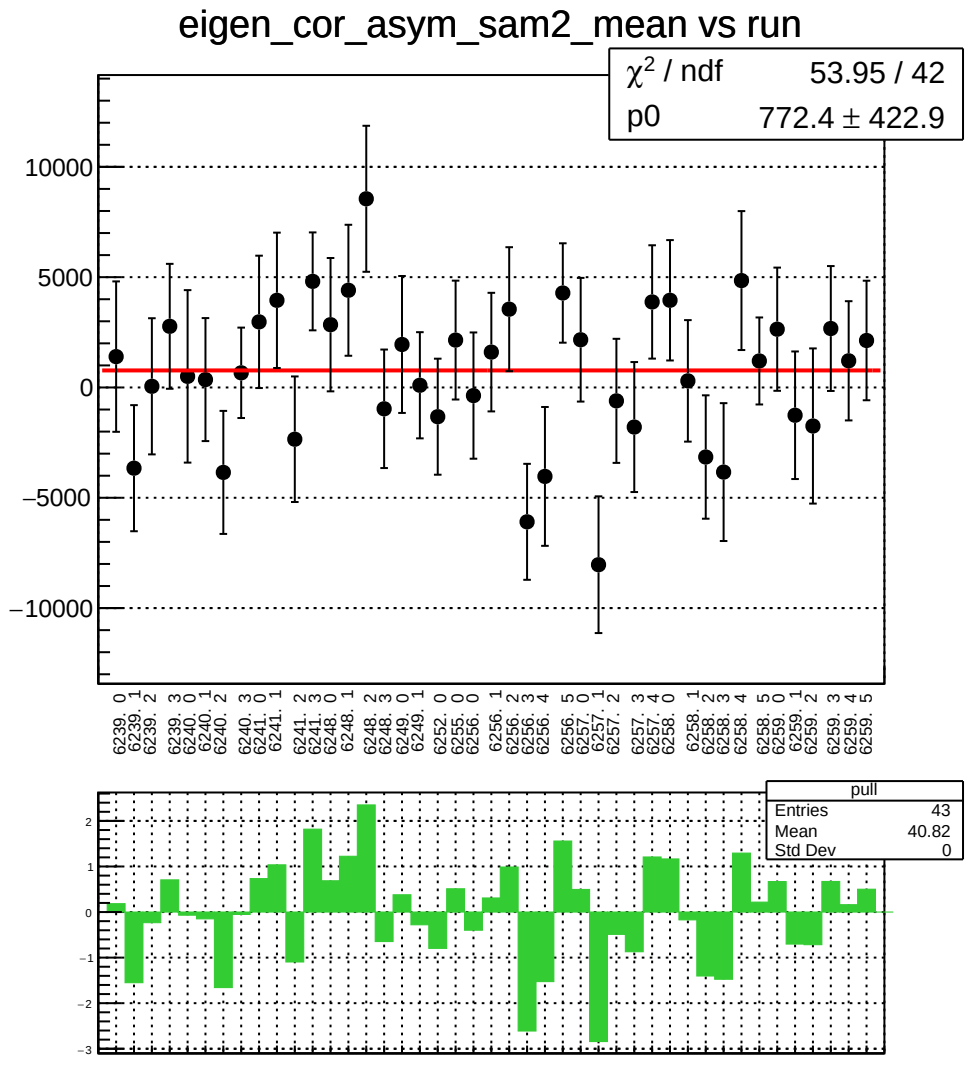

pull1D
Entries 43
Mean −0.02024
Std Dev 1.12
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

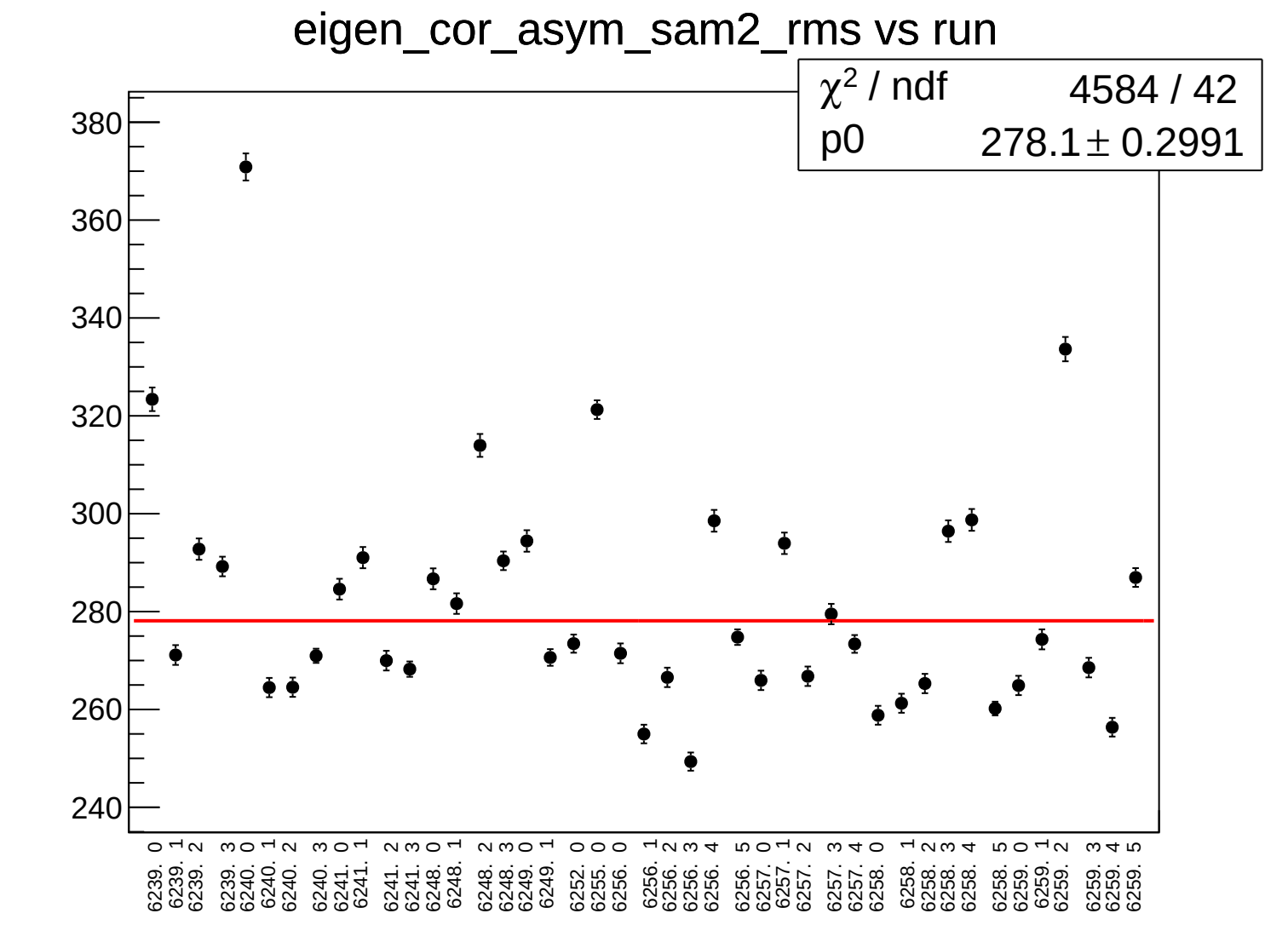

cor_asym_sam2_rms vs run
χ² / ndf 4584 / 42
p0 278.1 ± 0.2991
380
360
340
320
300
280
260
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 32.97 / 42
p0 −5931 ± 5725
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03313
Std Dev 0.875
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_cor_correction_rms vs run
χ² / ndf 3724 / 42
p0 3767 ± 4.048
4600
4400
4200
4000
3800
3600
3400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam2_mean vs run
χ² / ndf 53.95 / 42
p0 772.4 ± 422.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.82
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.02024
Std Dev 1.12
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam2_rms vs run
χ² / ndf 4584 / 42
p0 278.1 ± 0.2991
380
360
340
320
300
280
260
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
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6249. 1
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6258. 3
6258. 4
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6259. 1
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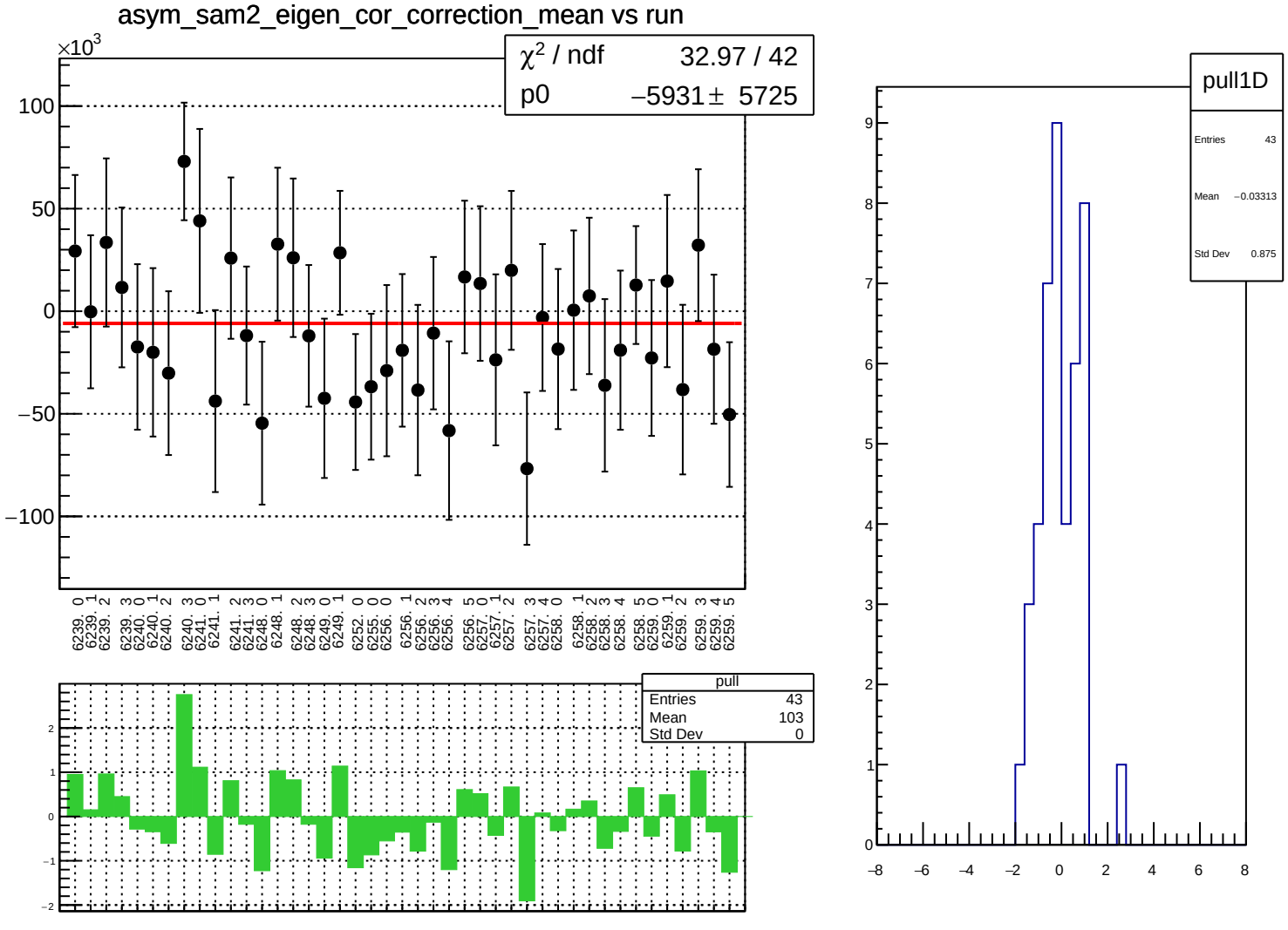
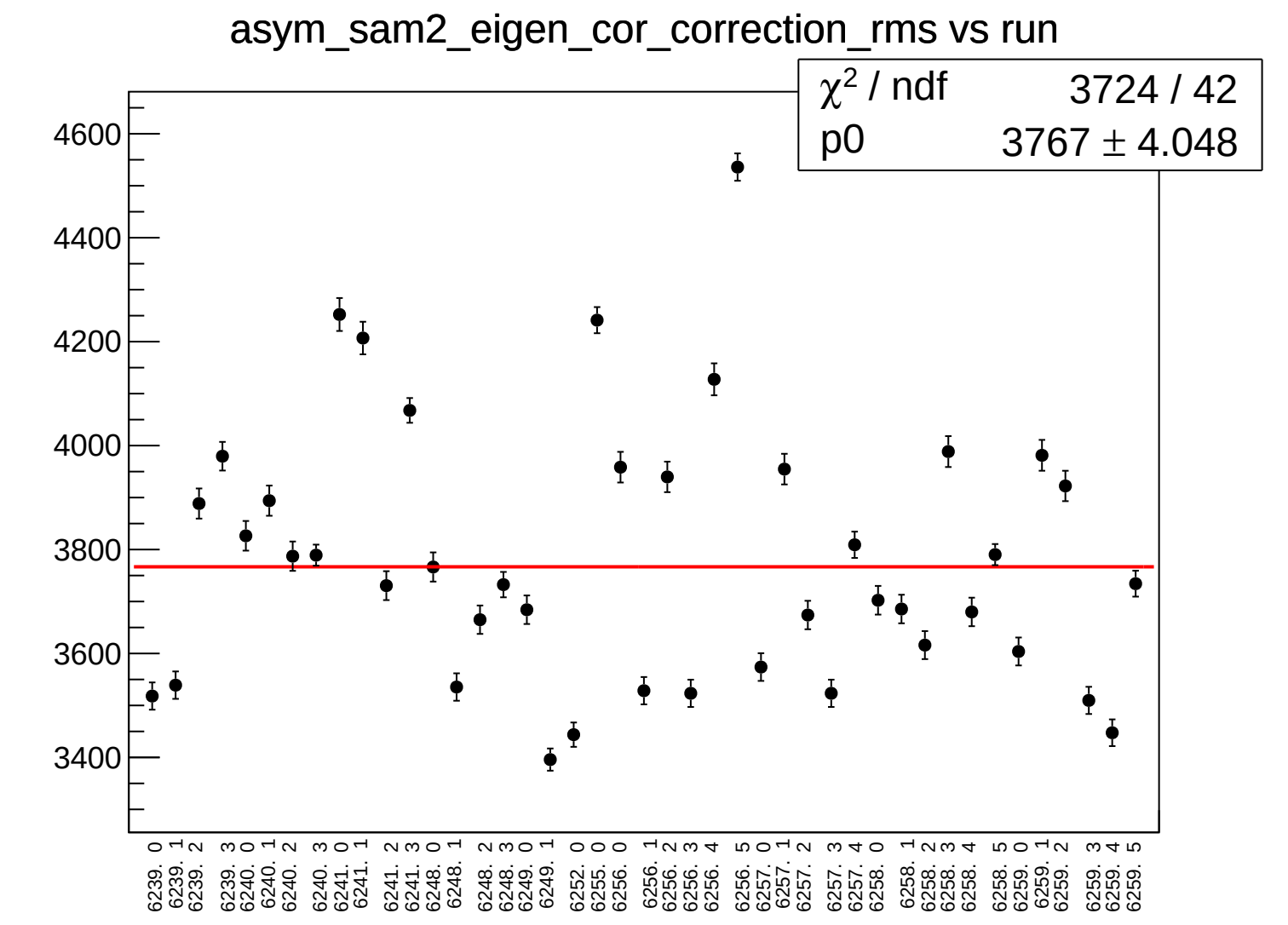
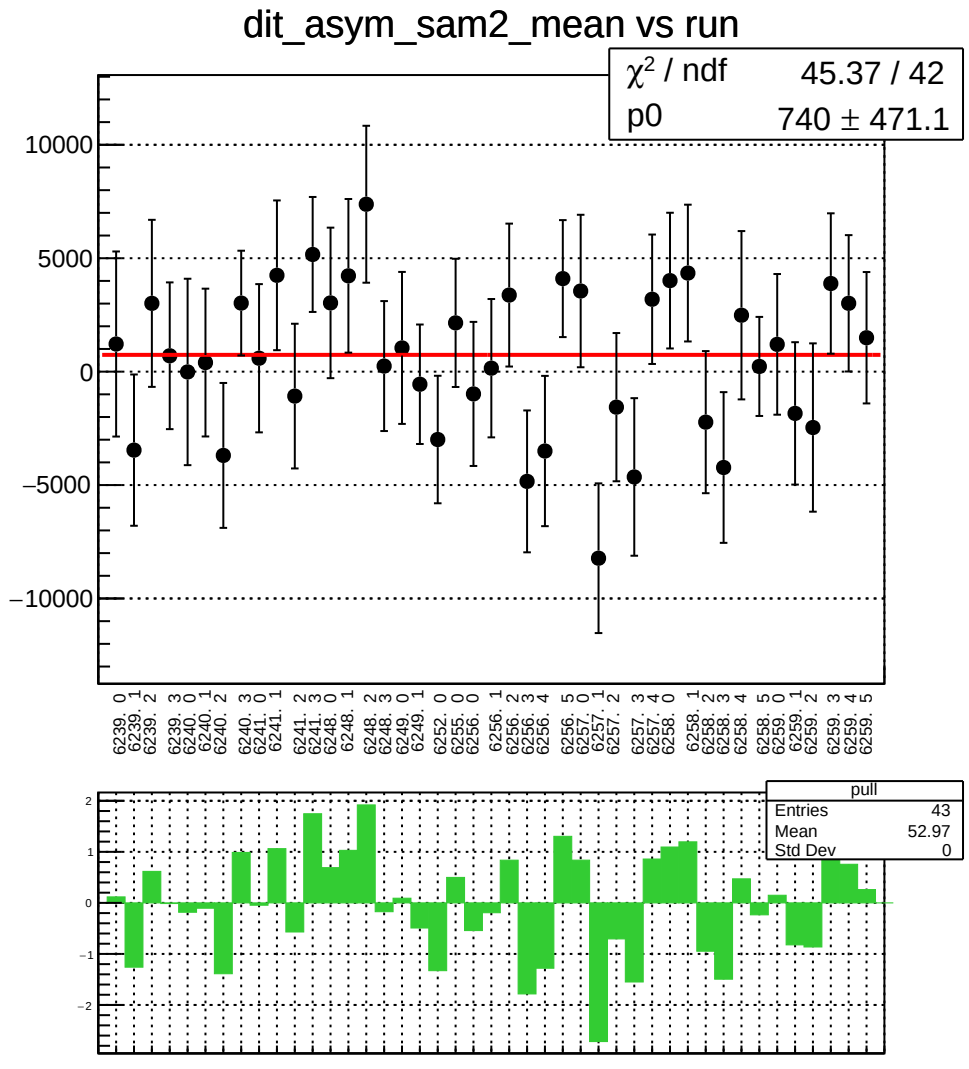
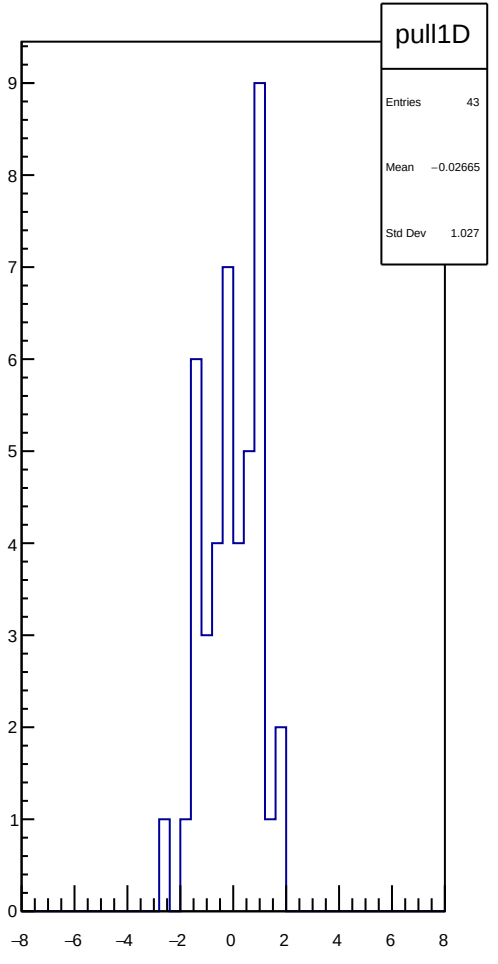
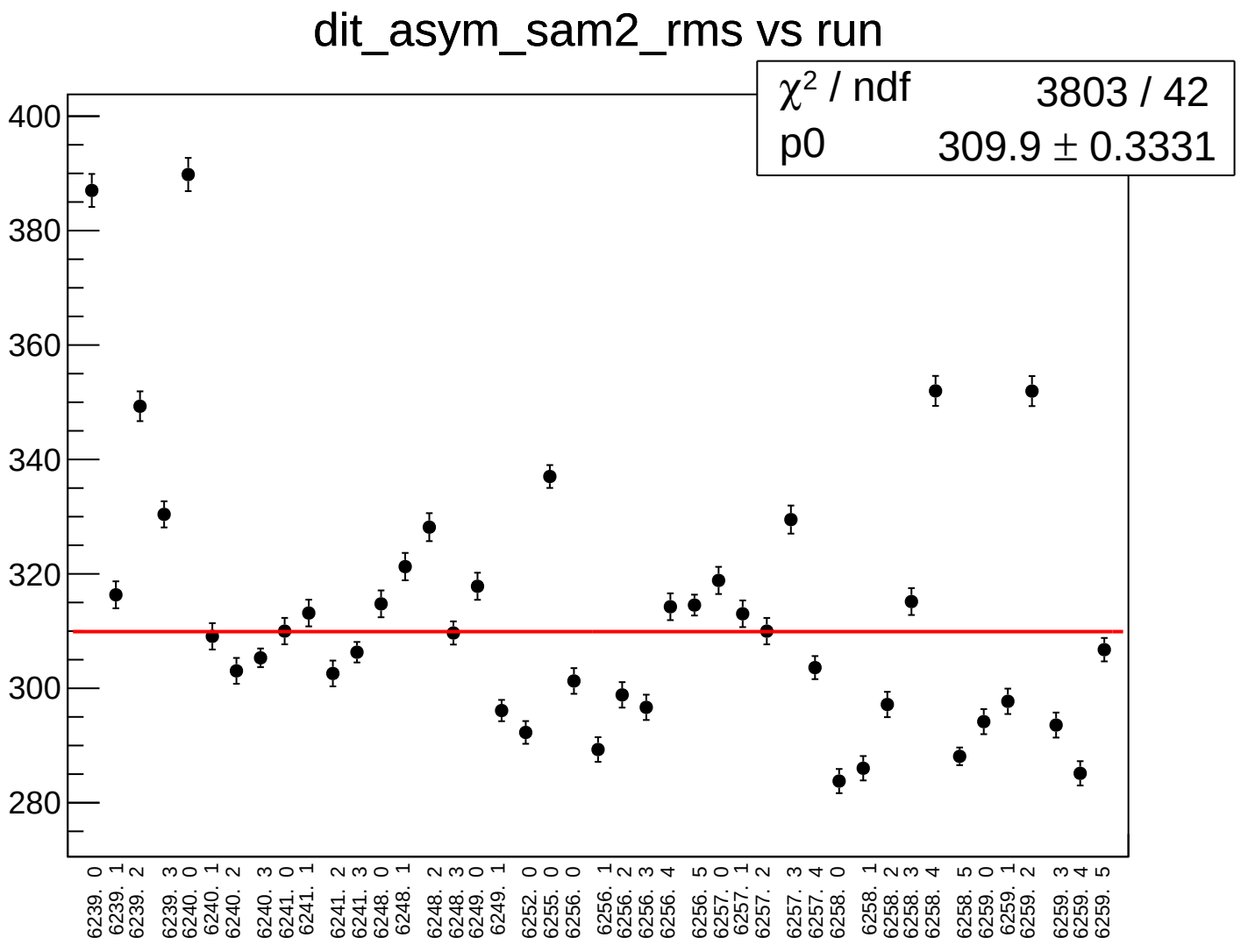
6259. 4
6259. 5

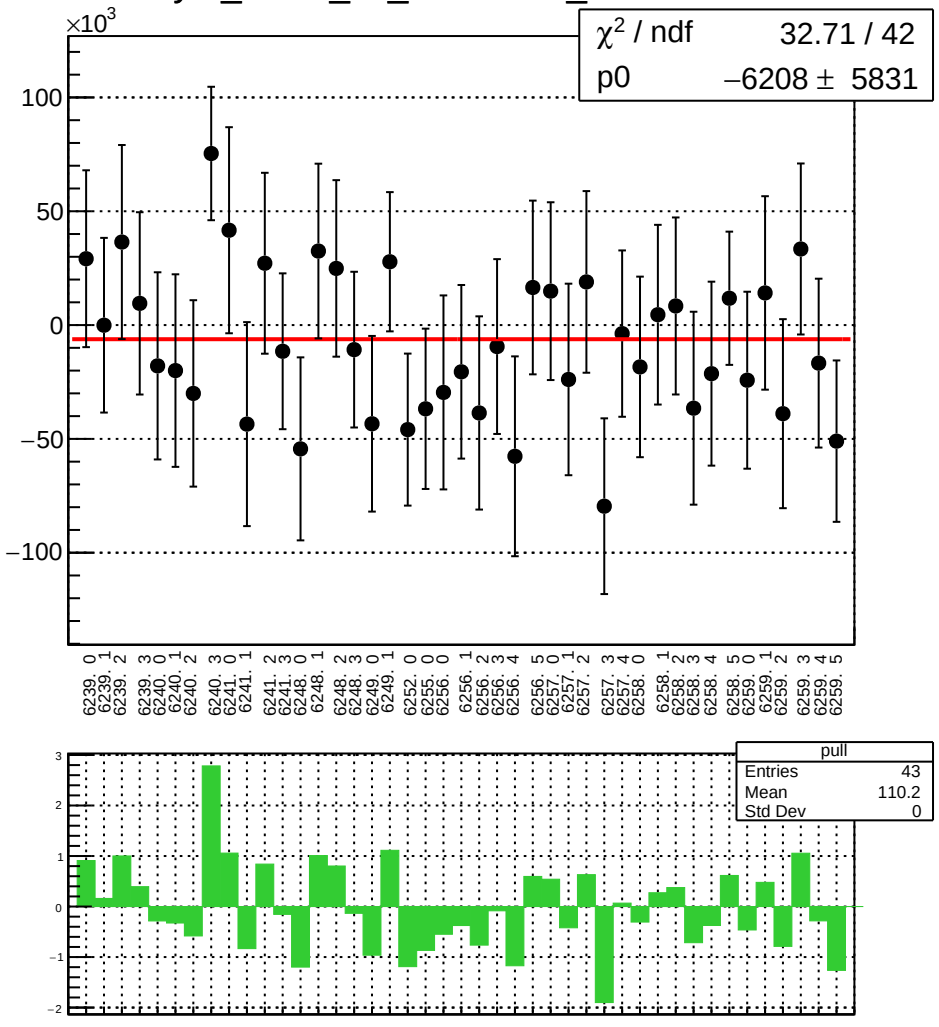

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 32.97 / 42
p0 −5931 ± 5725
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03313
Std Dev 0.875
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

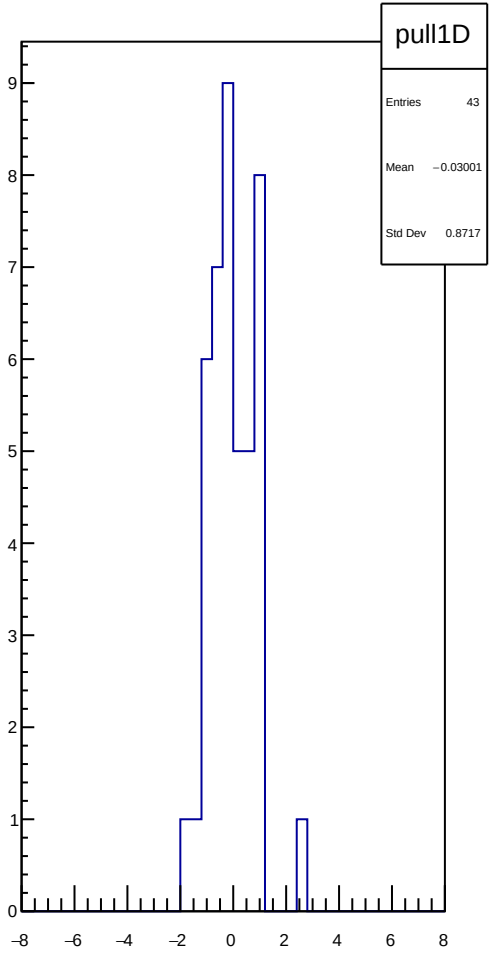

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 3724 / 42
p0 3767 ± 4.048
4600
4400
4200
4000
3800
3600
3400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

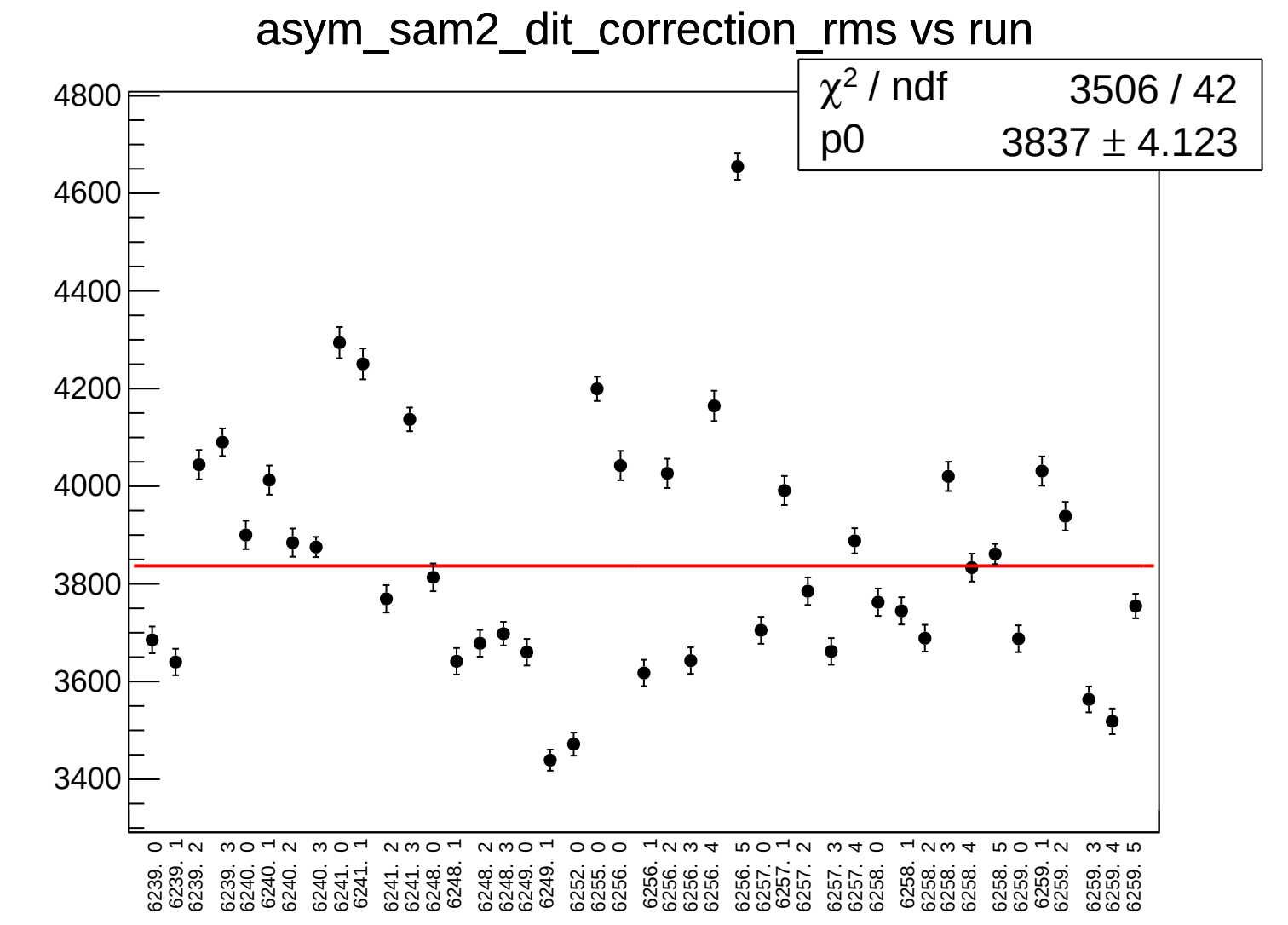

dit_asym_sam2_mean vs run
χ² / ndf 45.37 / 42
p0 740 ± 471.1
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.97
Std Dev 0
2
1
0
−1
−2

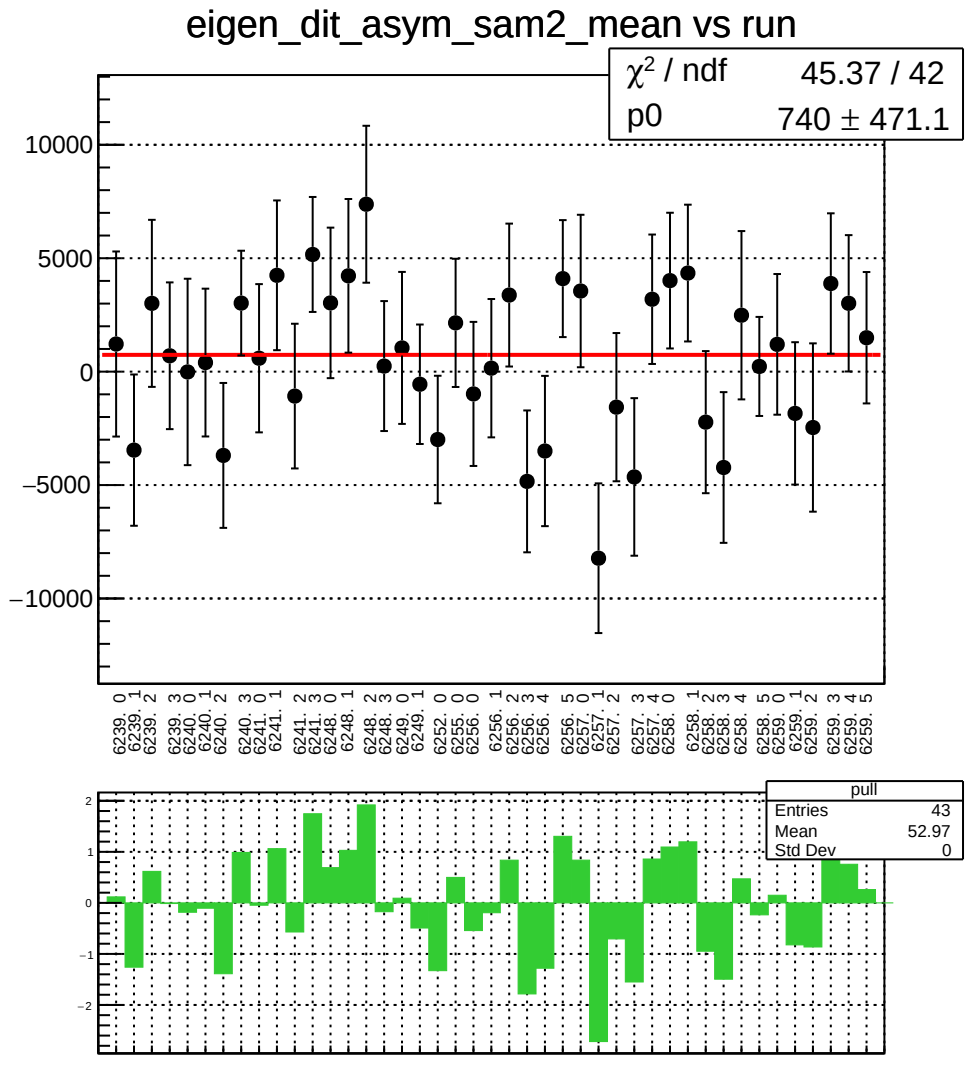

pull1D
Entries 43
Mean −0.02665
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

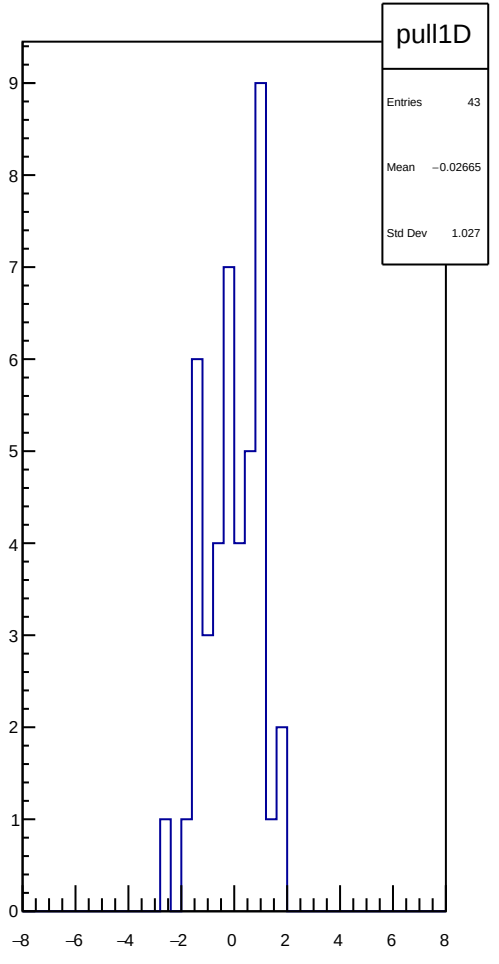

dit_asym_sam2_rms vs run
χ² / ndf 3803 / 42
p0 309.9 ± 0.3331
400
380
360
340
320
300
280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

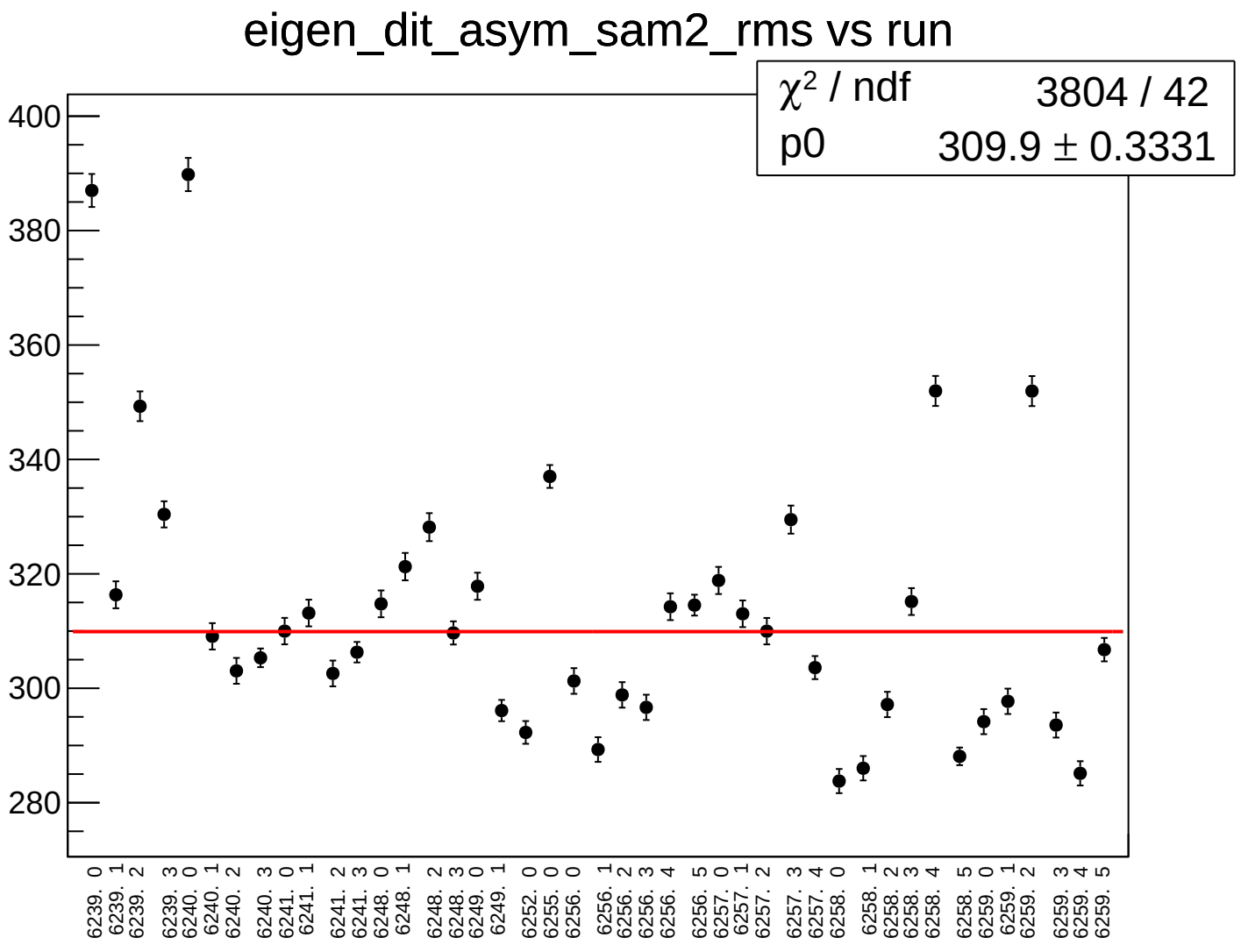

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 32.71 / 42
p0 −6208 ± 5831
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.2
Std Dev 0
3
2
1
0
−1
−2

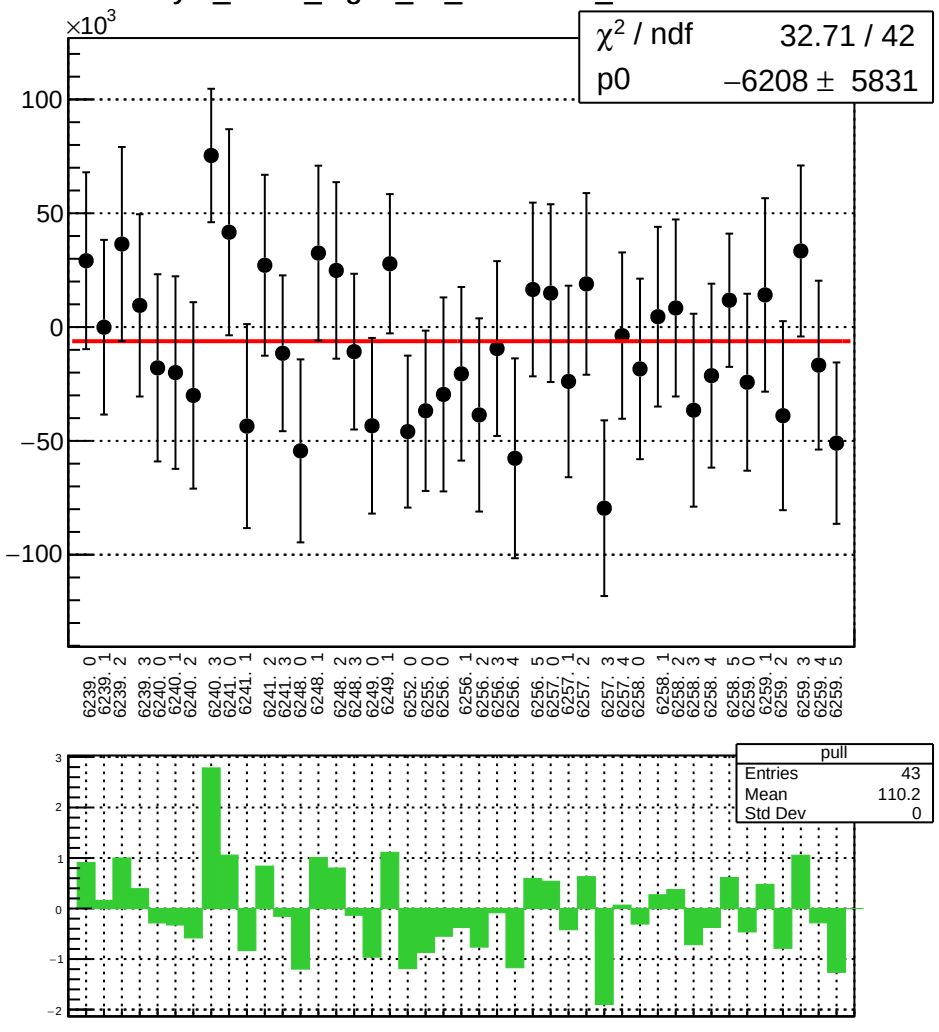

pull1D
Entries 43
Mean −0.03001
Std Dev 0.8717
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

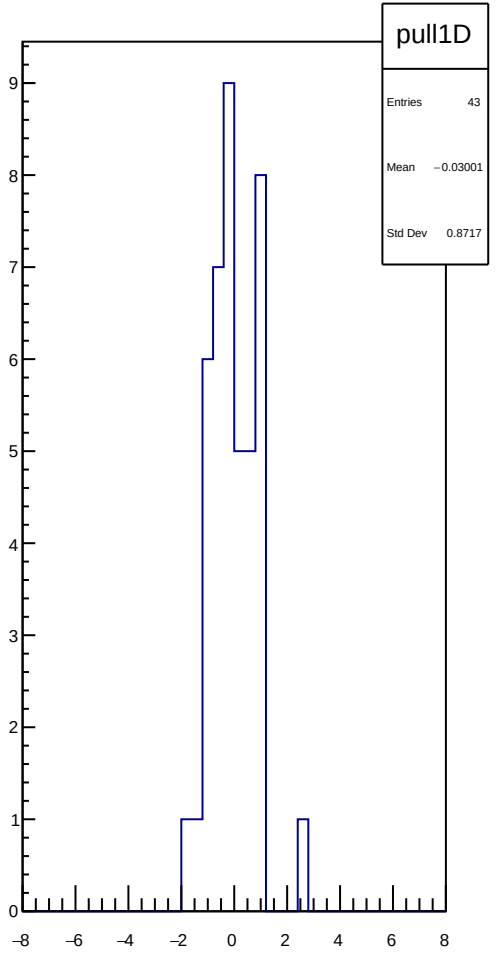

asym_sam2_dit_correction_rms vs run
χ² / ndf 3506 / 42
p0 3837 ± 4.123
4800
4600
4400
4200
4000
3800
3600
3400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

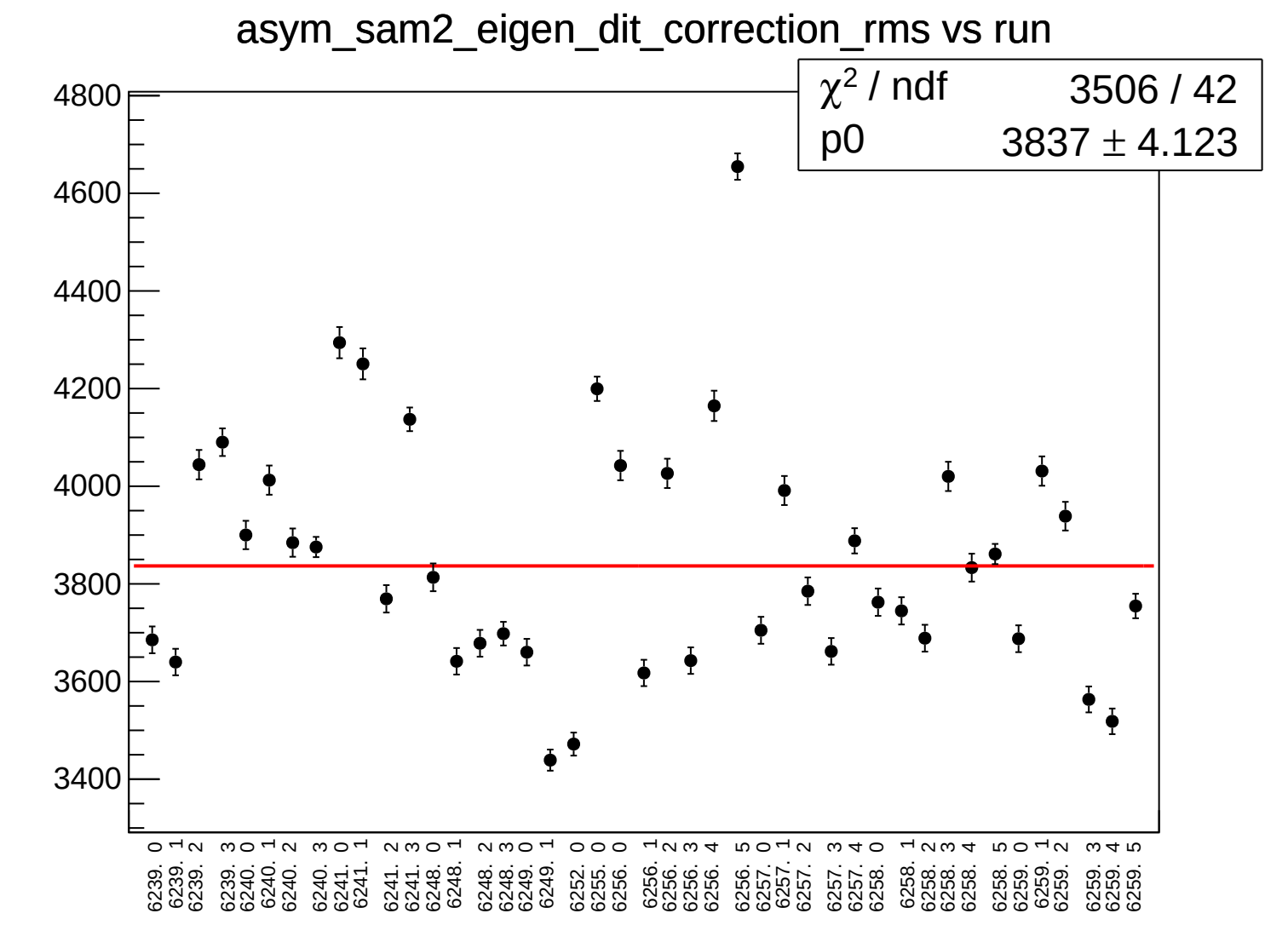

eigen_dit_asym_sam2_mean vs run
χ² / ndf 45.37 / 42
p0 740 ± 471.1
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.97
Std Dev 0
2
1
0
−1
−2

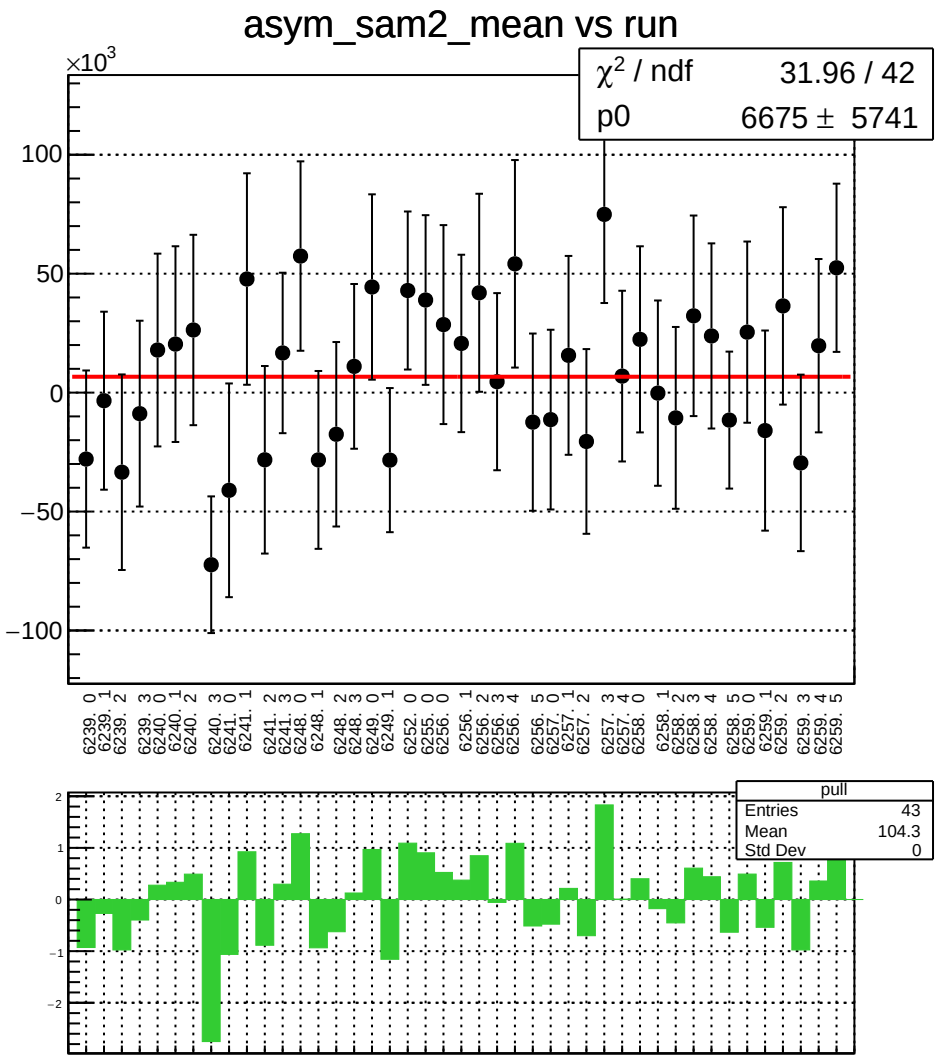

pull1D
Entries 43
Mean −0.02665
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

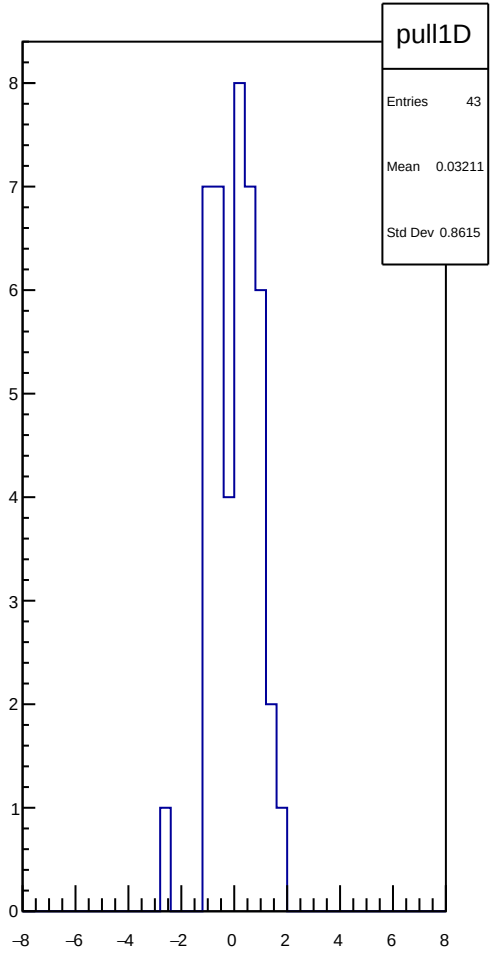

eigen_dit_asym_sam2_rms vs run
χ² / ndf 3804 / 42
p0 309.9 ± 0.3331
400
380
360
340
320
300
280
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

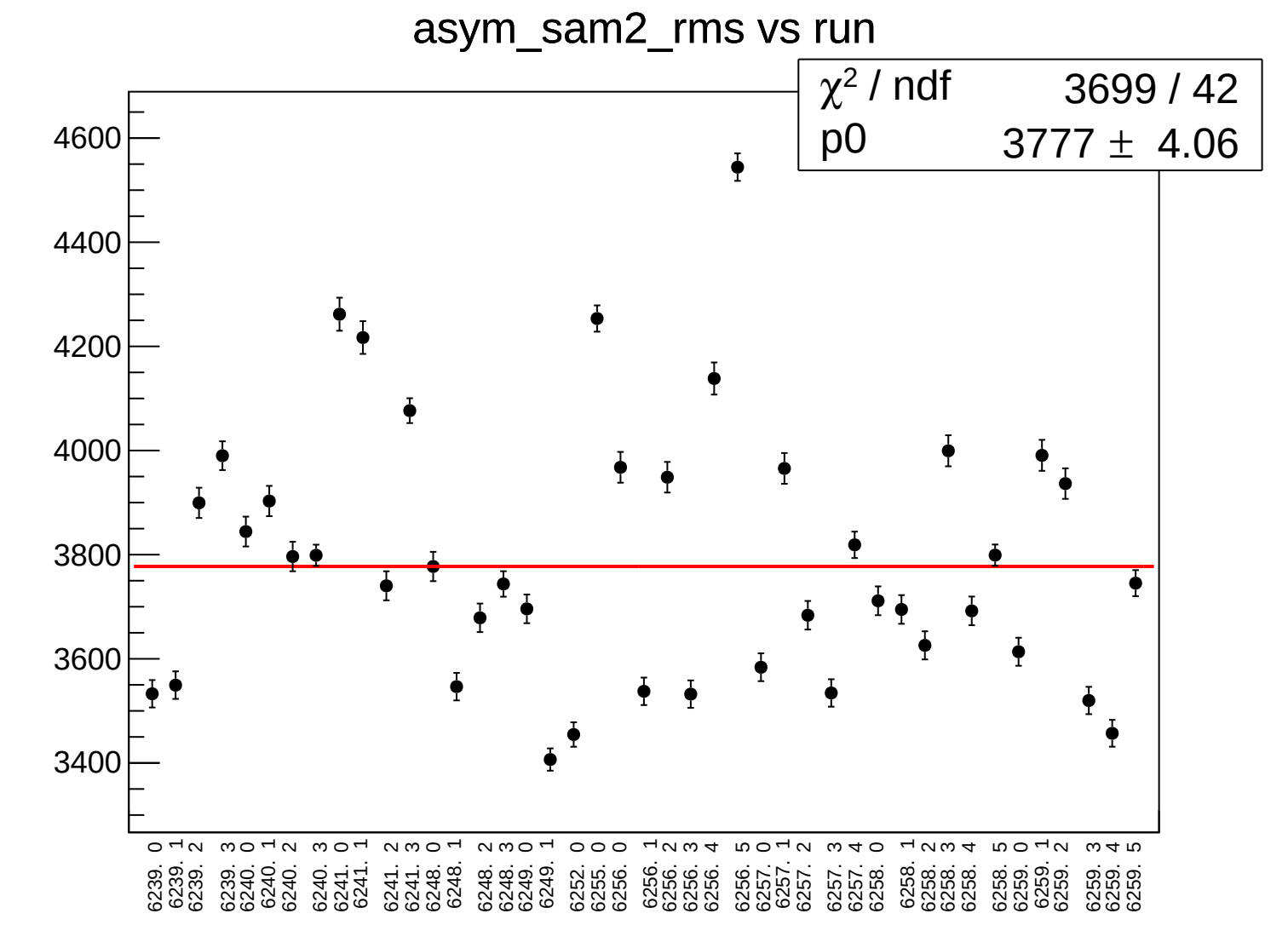

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.71 / 42
p0 −6208 ± 5831
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110.2
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03001
Std Dev 0.8717
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3506 / 42
p0 3837 ± 4.123
4800
4600
4400
4200
4000
3800
3600
3400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam2_mean vs run
×10^3
χ^2 / ndf 31.96 / 42
p0 6675 ± 5741
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03211
Std Dev 0.8615
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_rms vs run
χ² / ndf 3699 / 42
p0 3777 ± 4.06
4600
4400
4200
4000
3800
3600
3400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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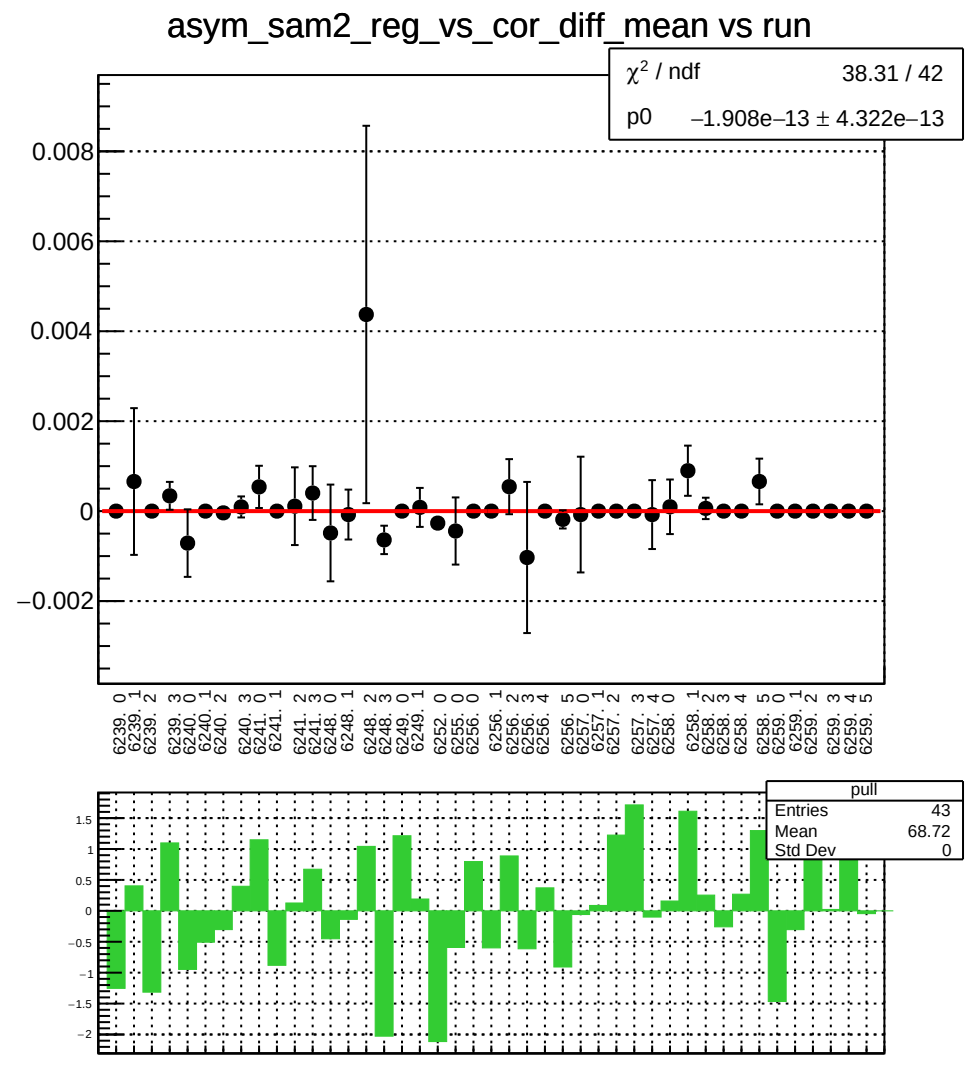
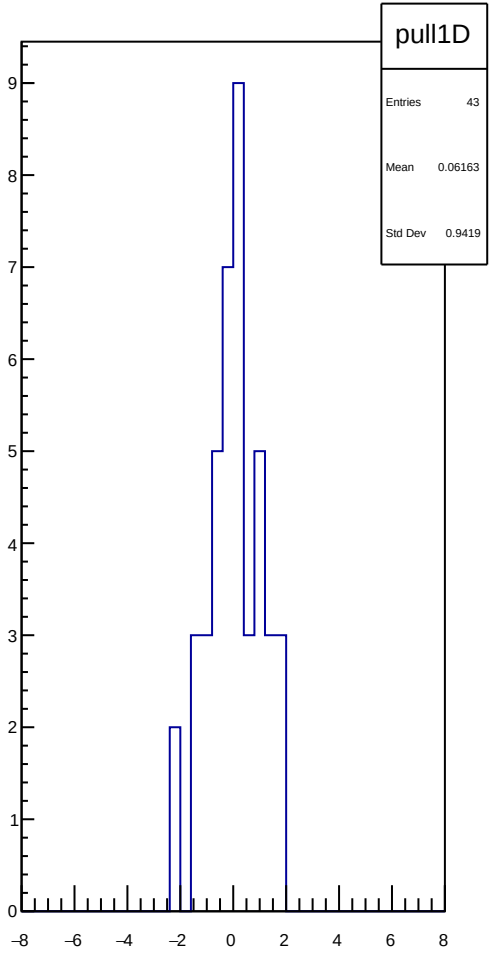
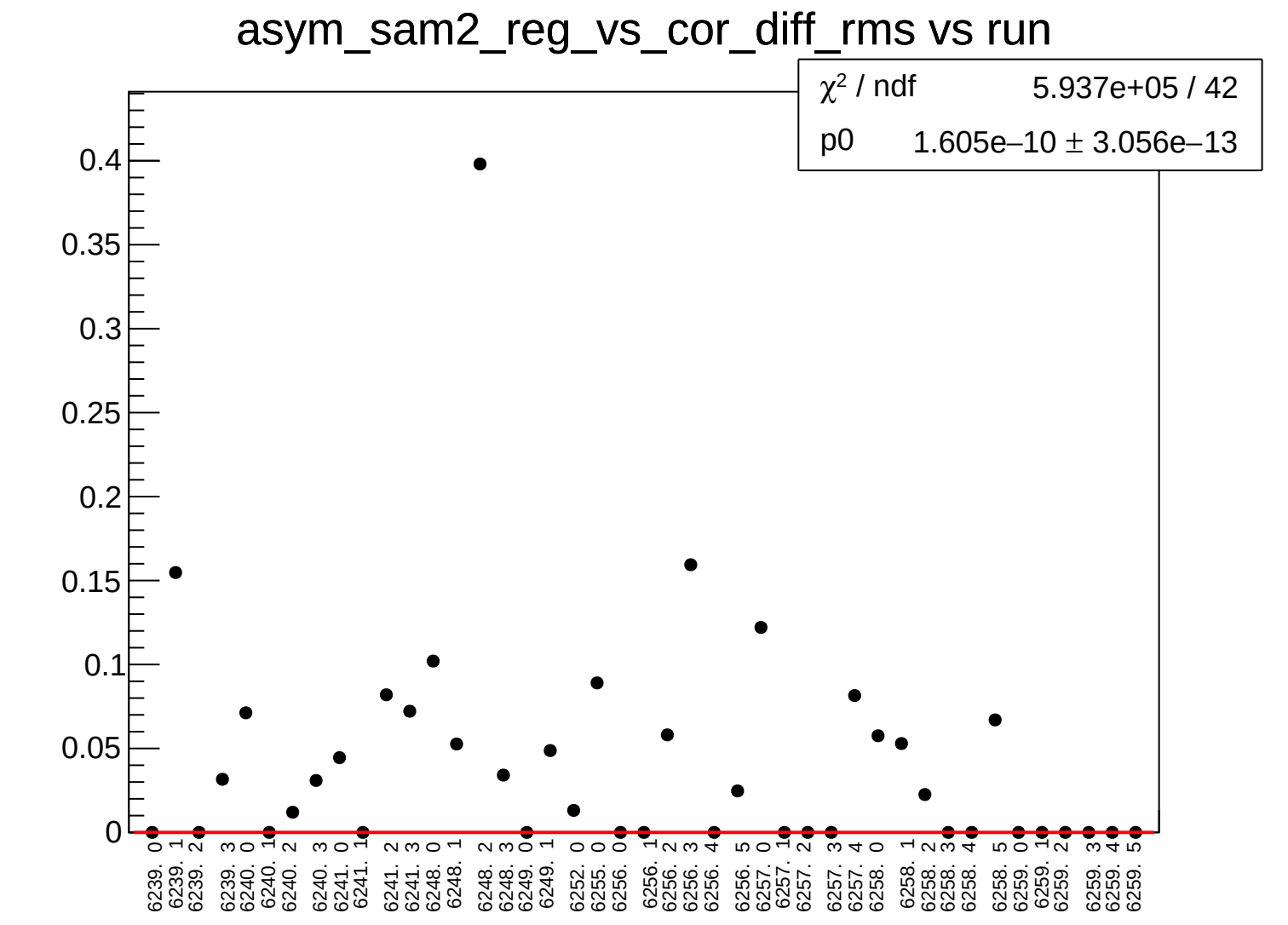
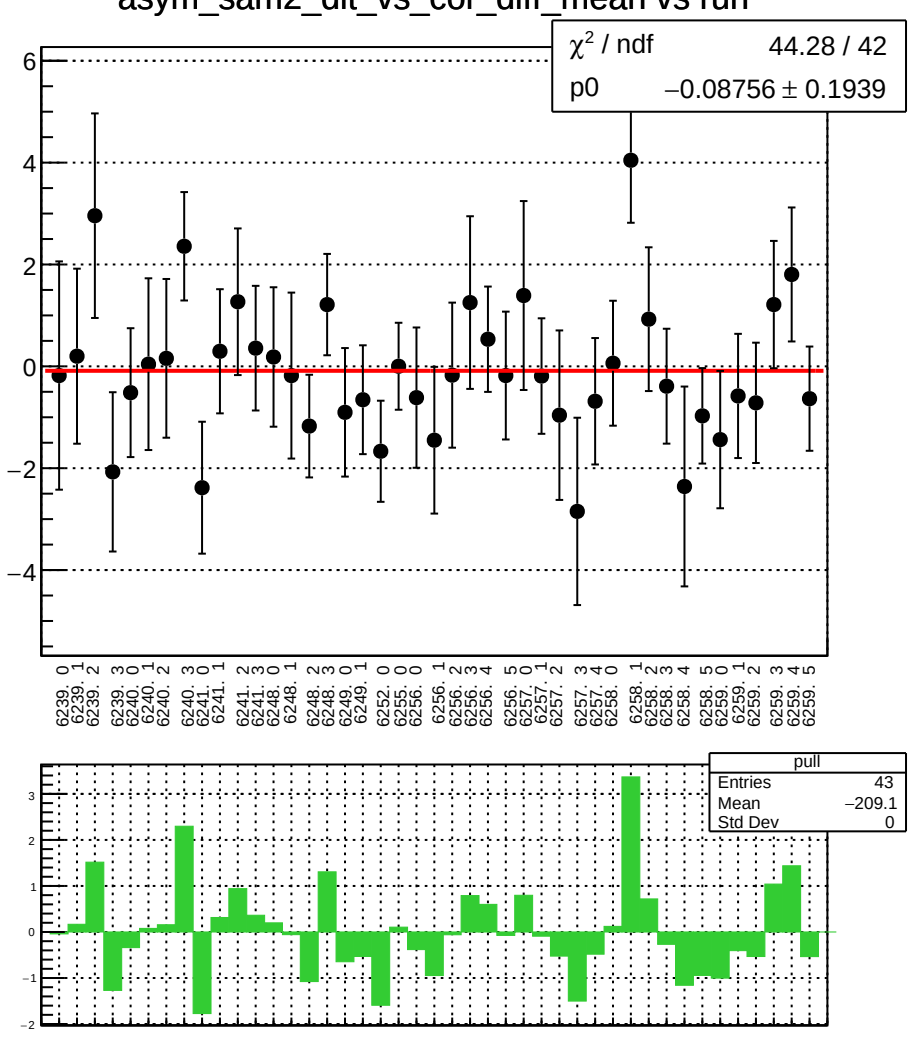
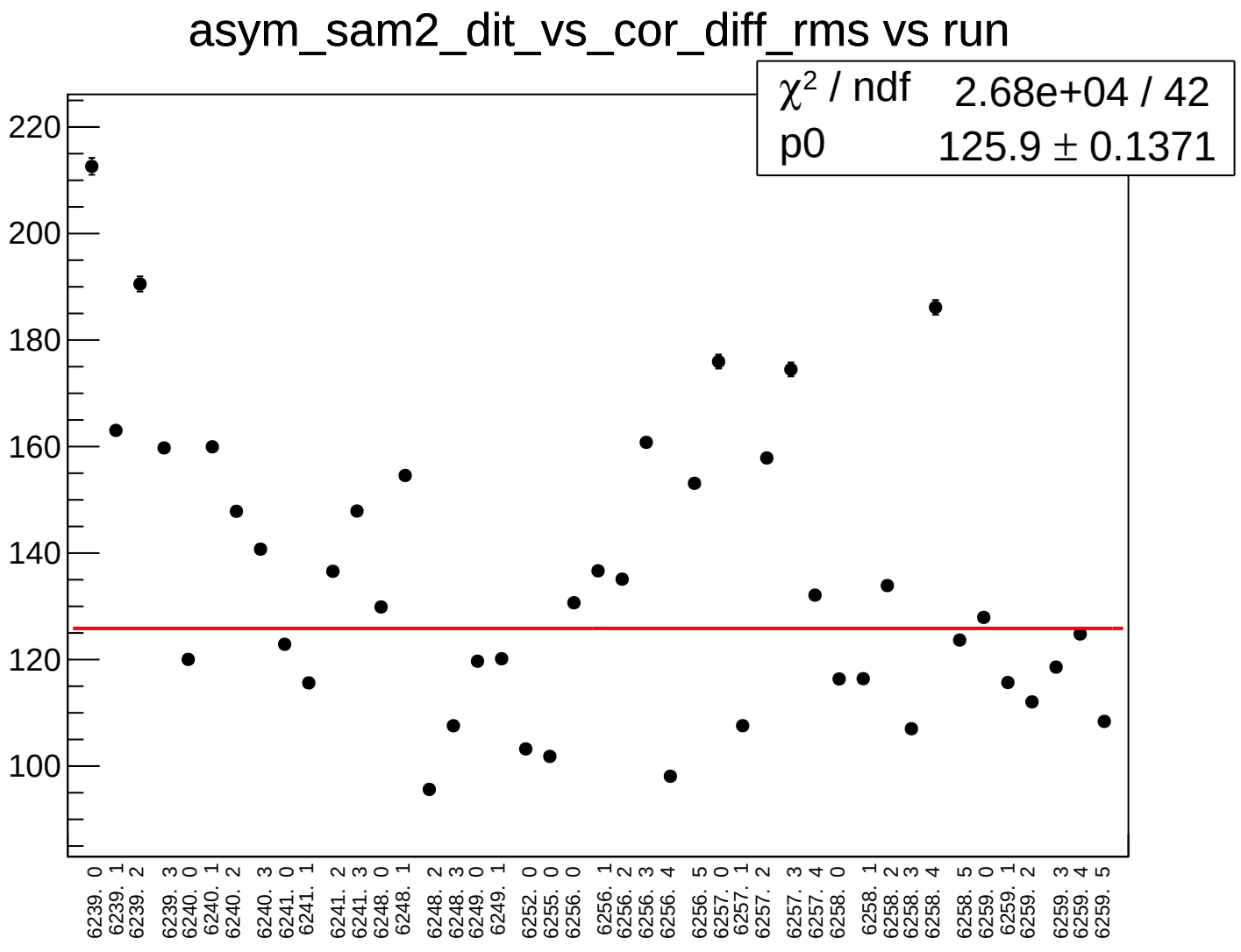
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

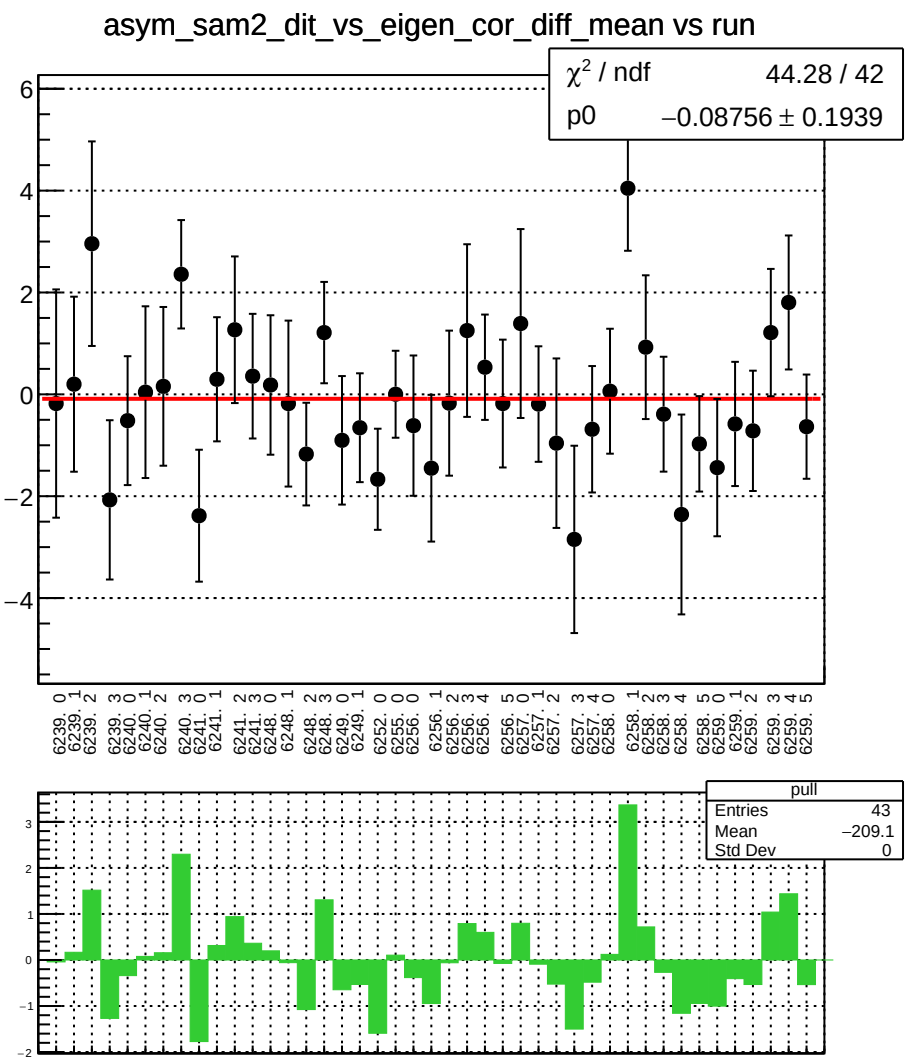

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 38.31 / 42
p0 −1.908e−13 ± 4.322e−13
0.008
0.006
0.004
0.002
0
−0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

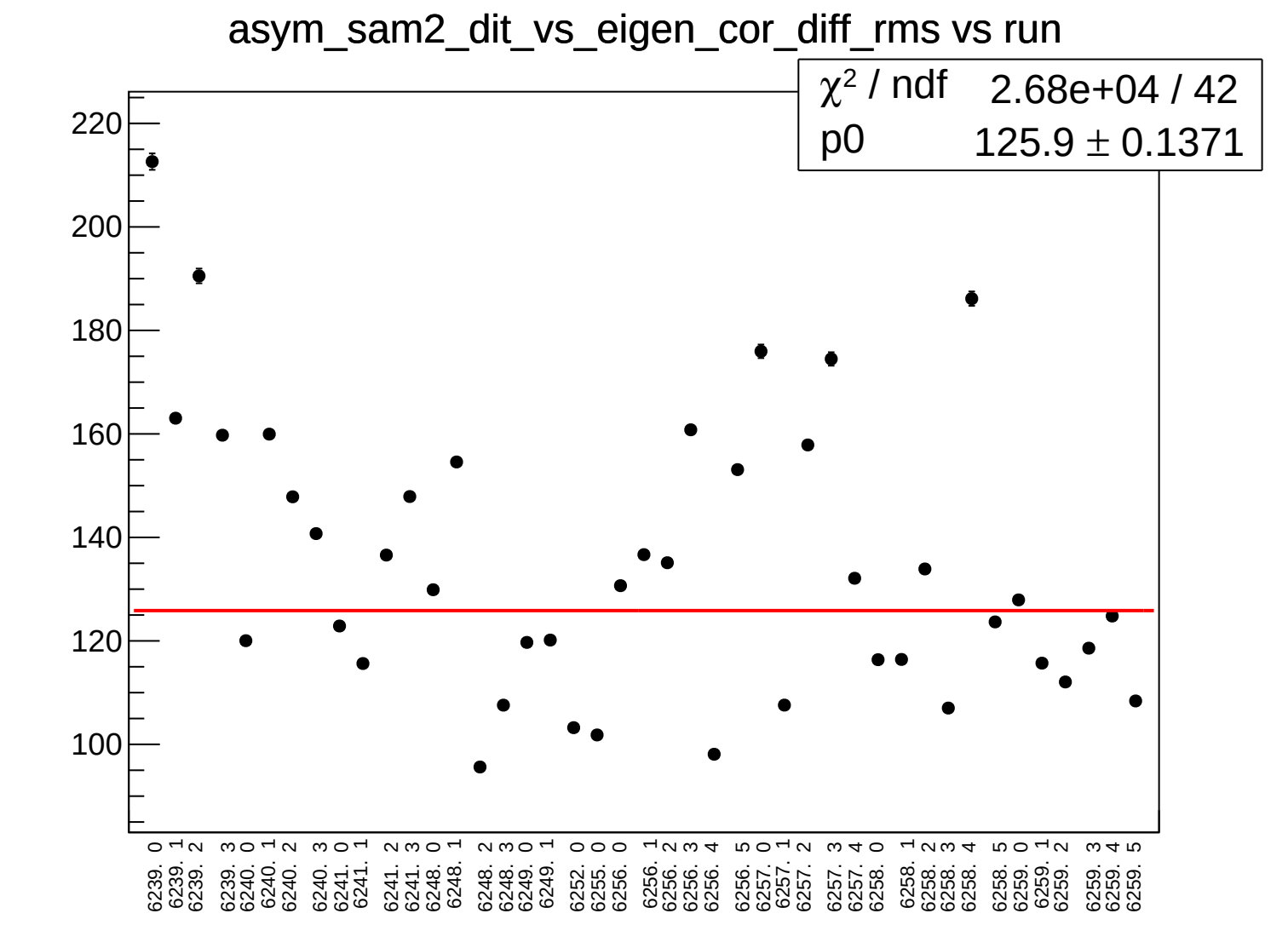

pull1D
Entries 43
Mean 0.06163
Std Dev 0.9419
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

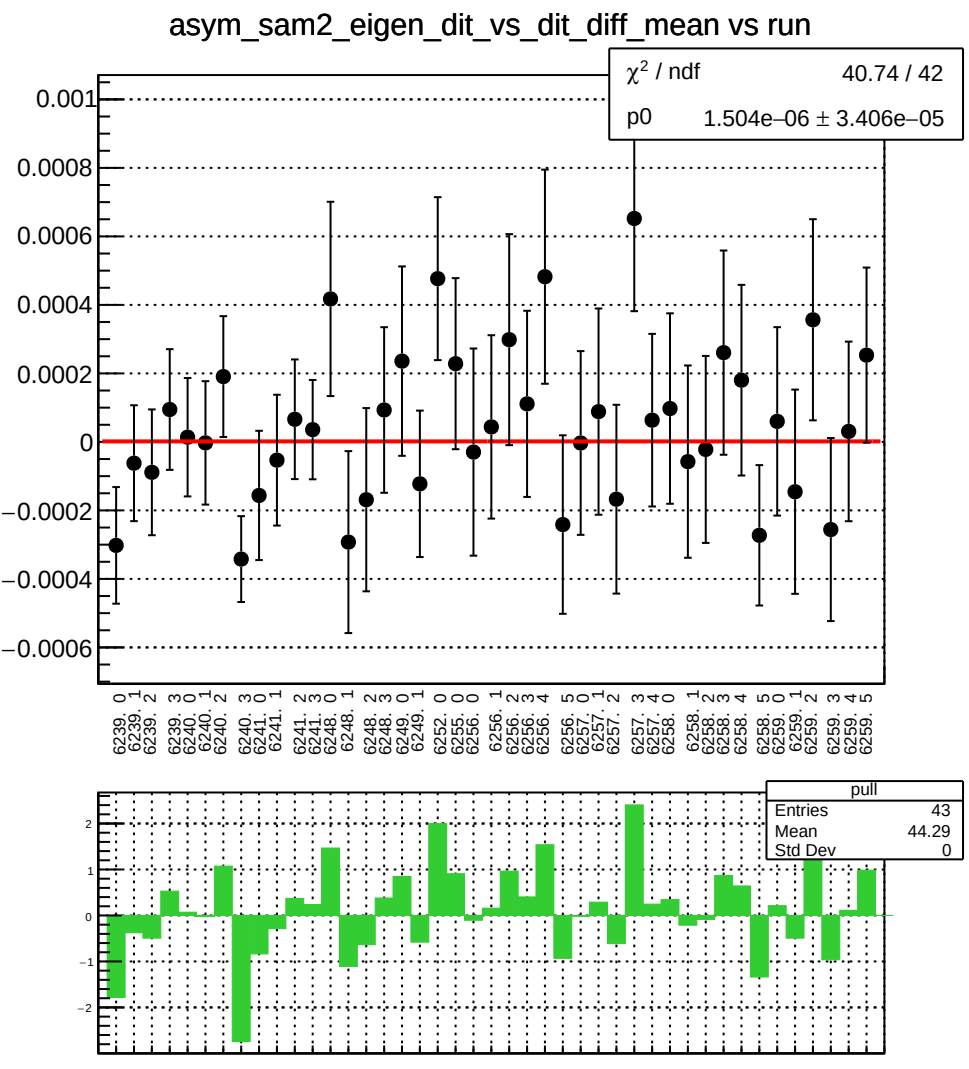

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.937e+05 / 42
p0 1.605e−10 ± 3.056e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

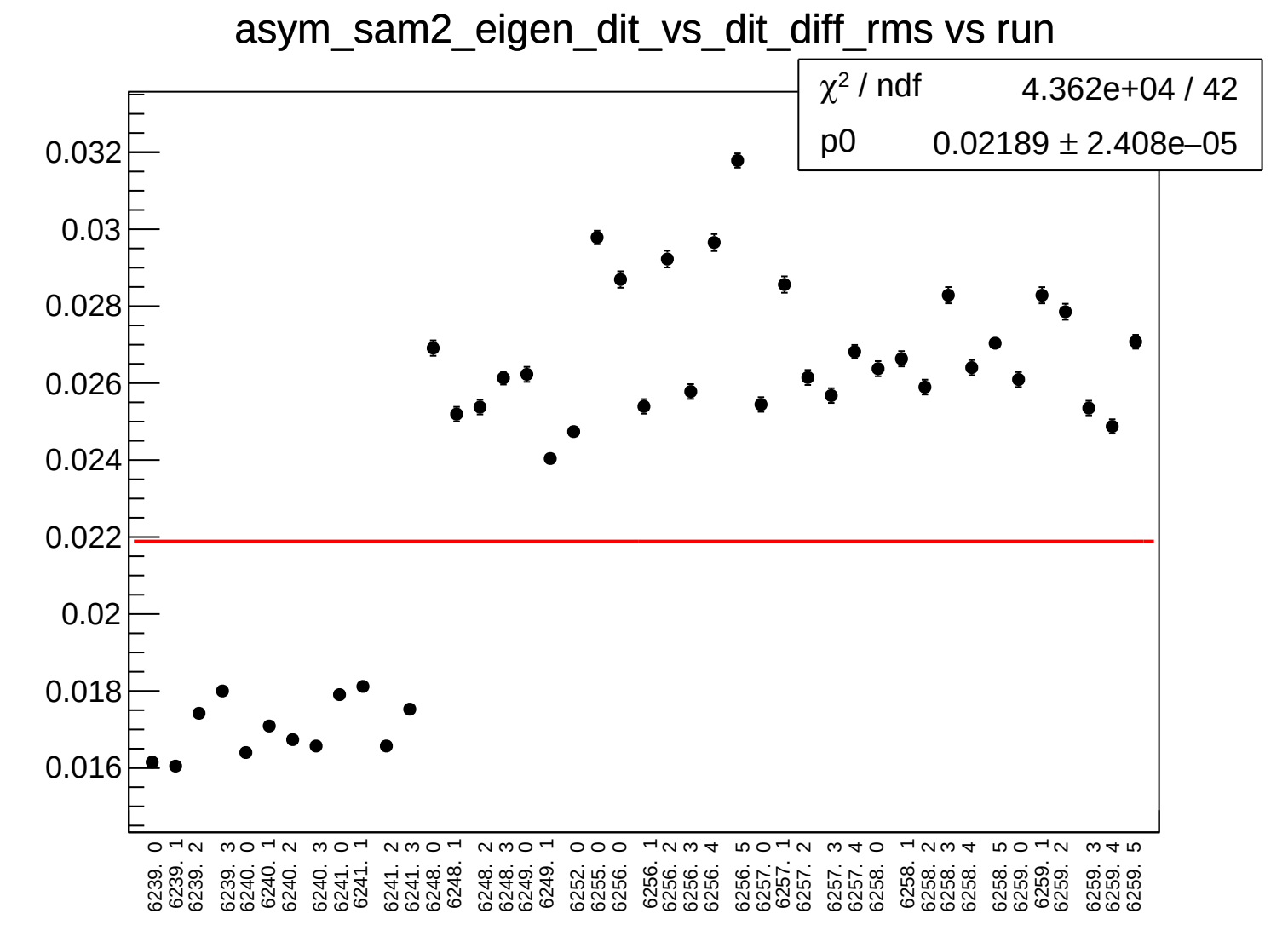

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 44.28 / 42
p0 −0.08756 ± 0.1939
pull
Entries 43
Mean −209.1
Std Dev 0
pull1D
Entries 43
Mean 0.002034
Std Dev 1.015

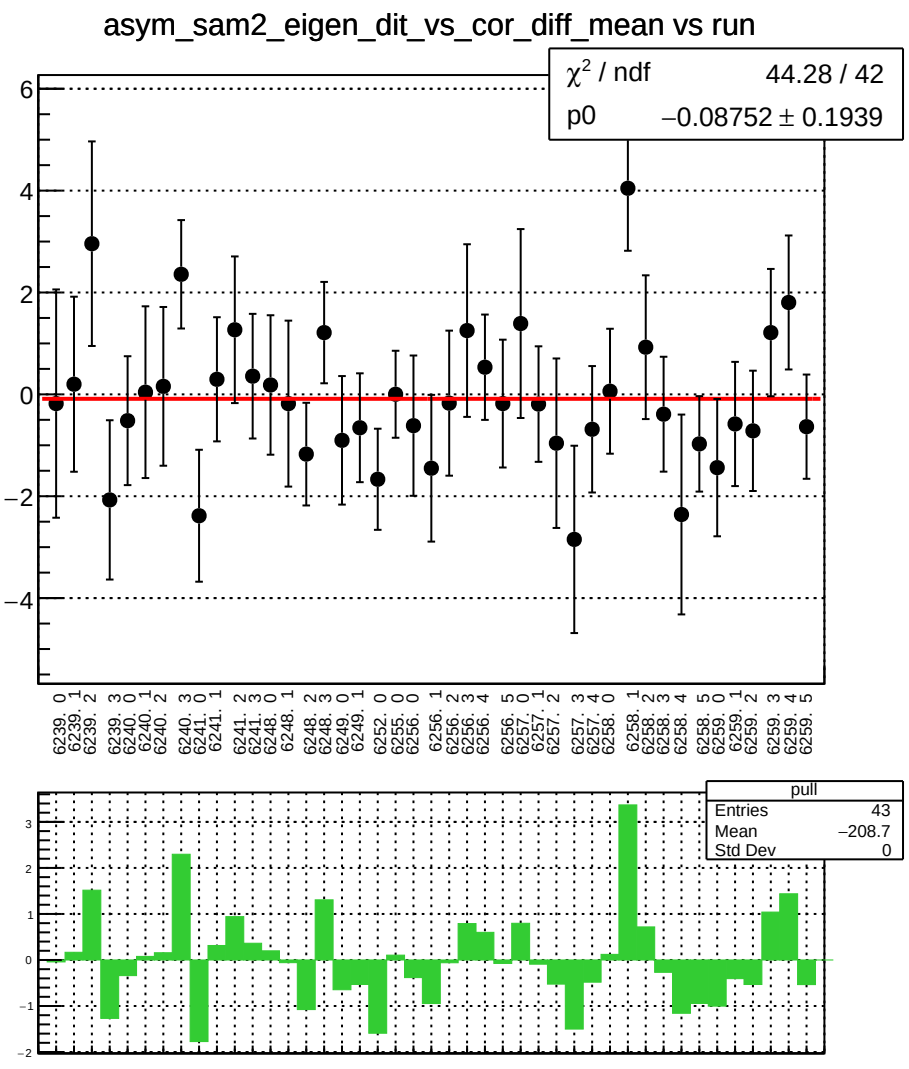

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.68e+04 / 42
p0 125.9 ± 0.1371
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

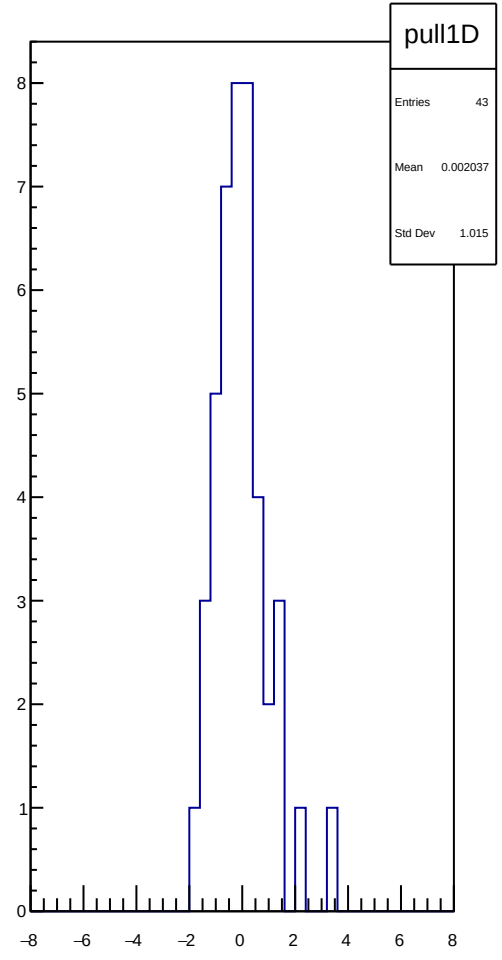

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.28 / 42
p0 −0.08756 ± 0.1939
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −209.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.002034
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

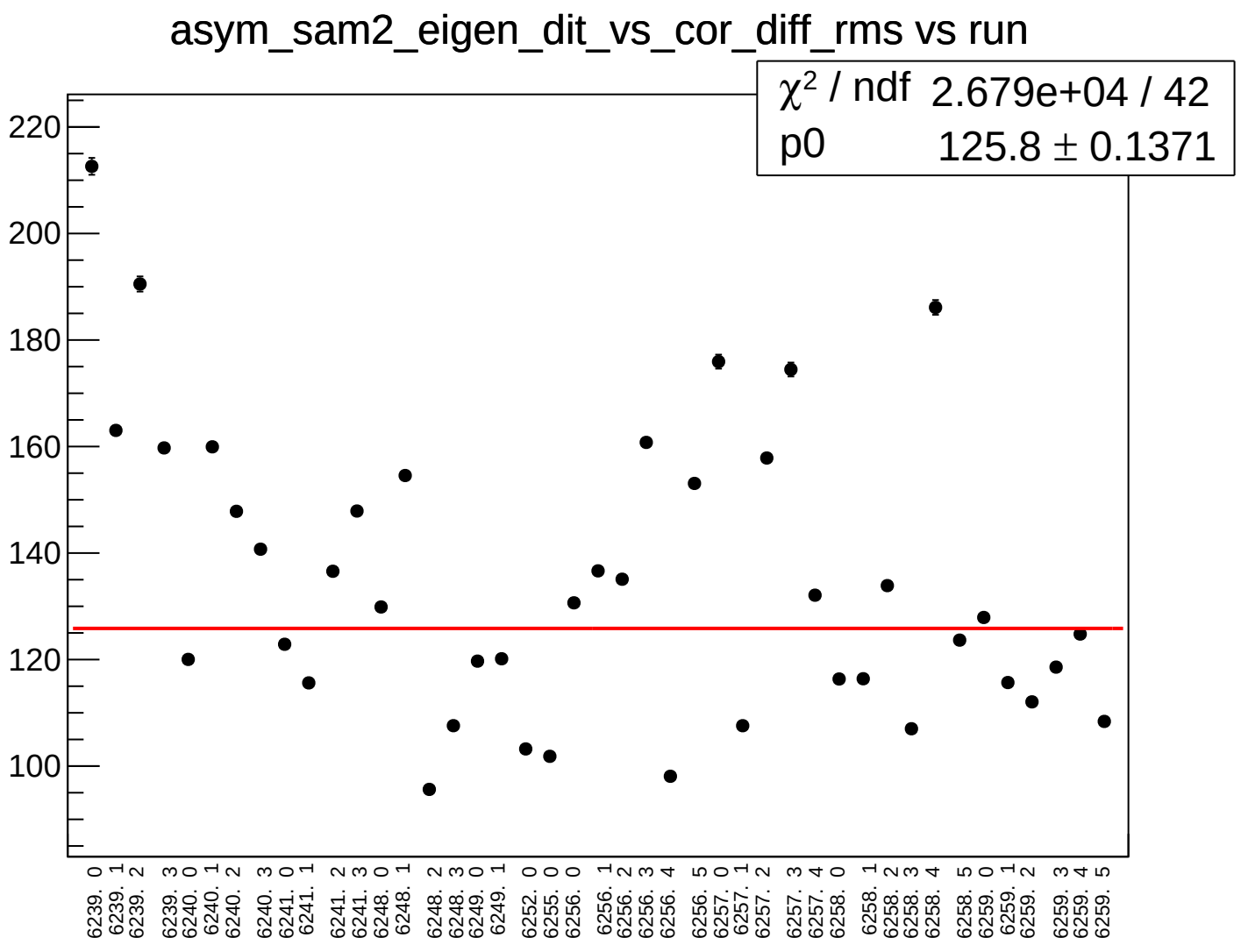

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.68e+04 / 42
p0 125.9 ± 0.1371
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 40.74 / 42
p0 1.504e−06 ± 3.406e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.29
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.1078
Std Dev 0.9674
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

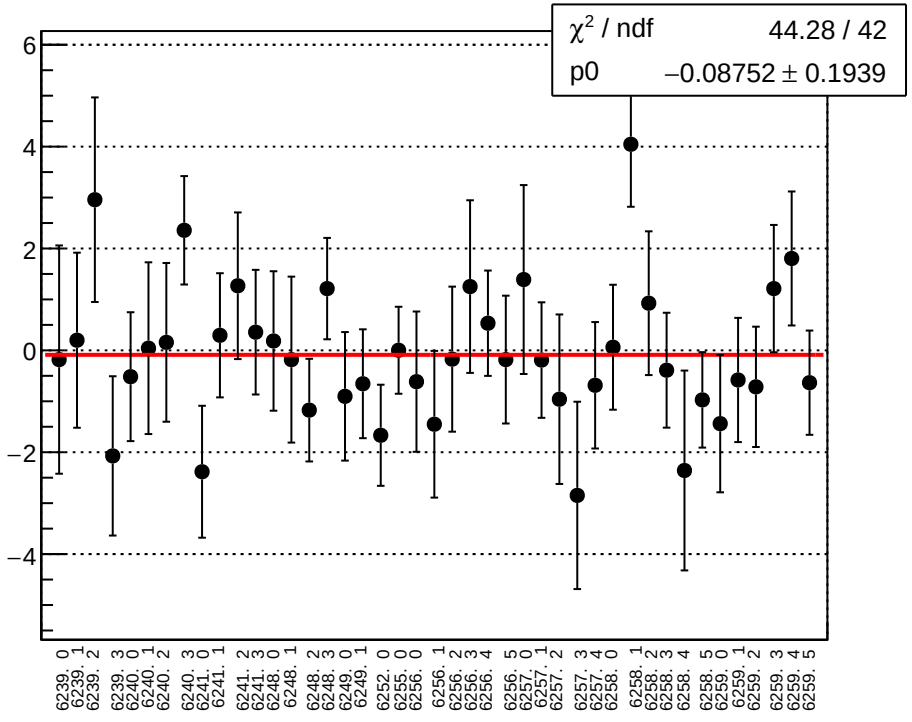

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.362e+04 / 42
p0 0.02189 ± 2.408e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

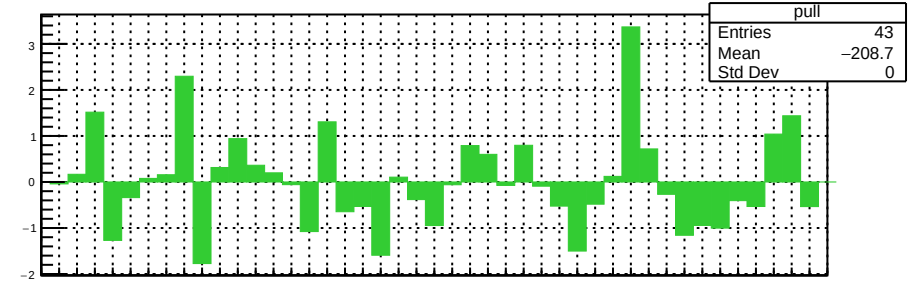

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.28 / 42
p0 −0.08752 ± 0.1939
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −208.7
Std Dev 0
3
2
1
0
−1
−2

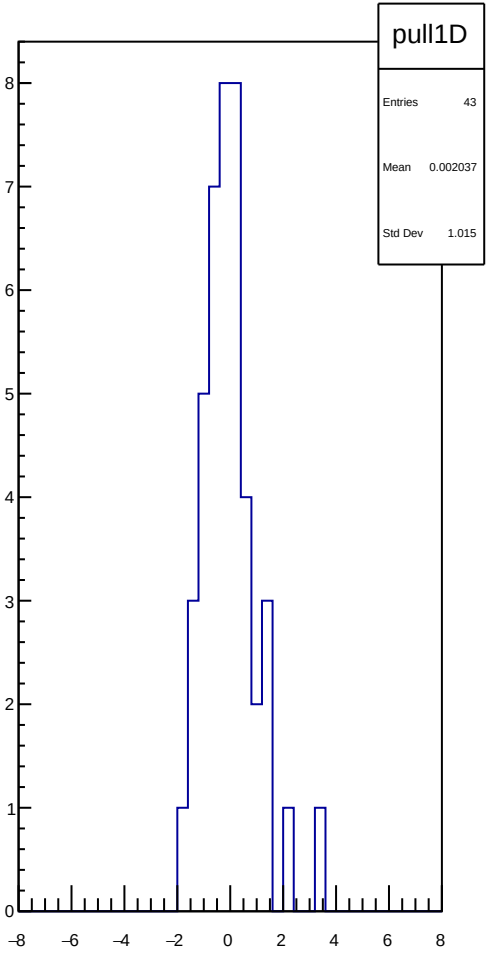

pull1D
Entries 43
Mean 0.002037
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

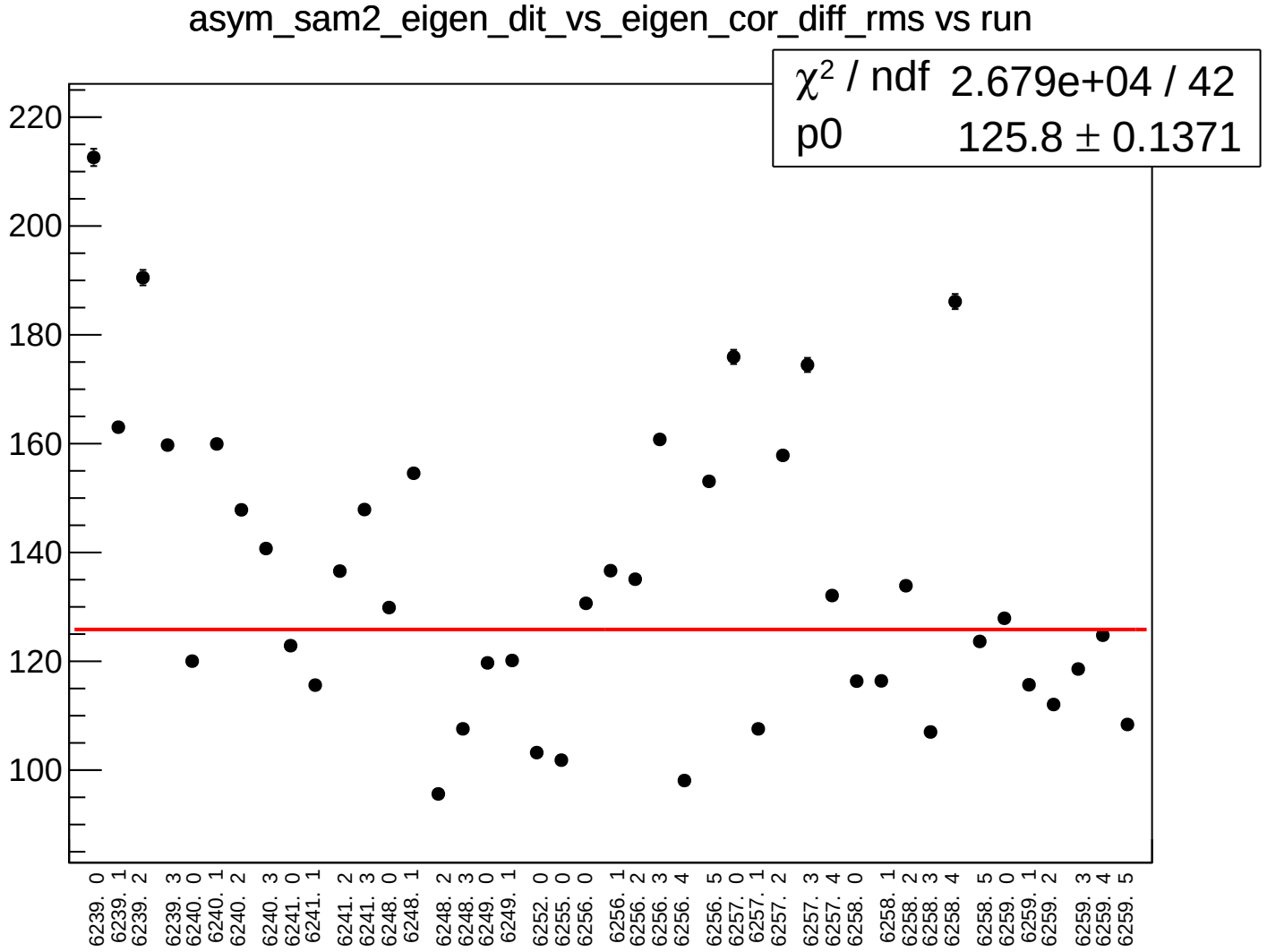

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.679e+04 / 42
p0 125.8 ± 0.1371
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

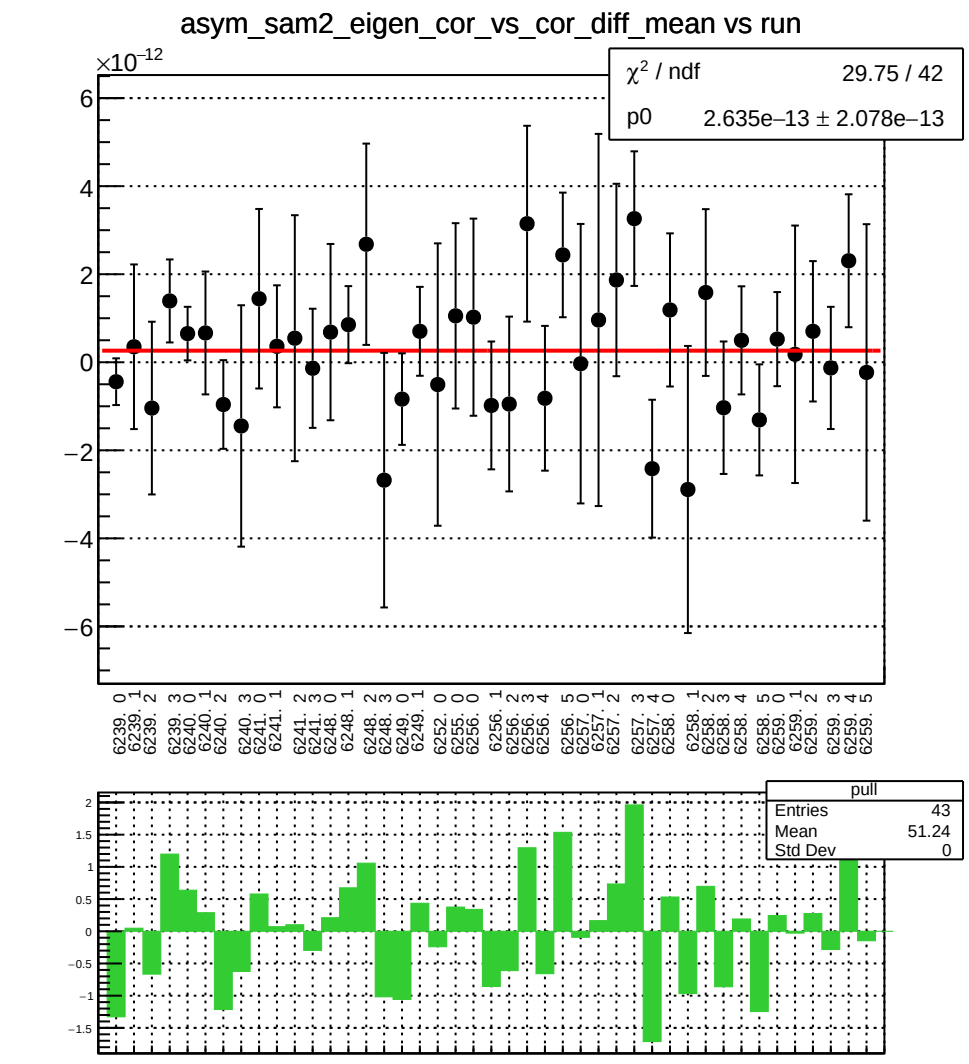
asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run

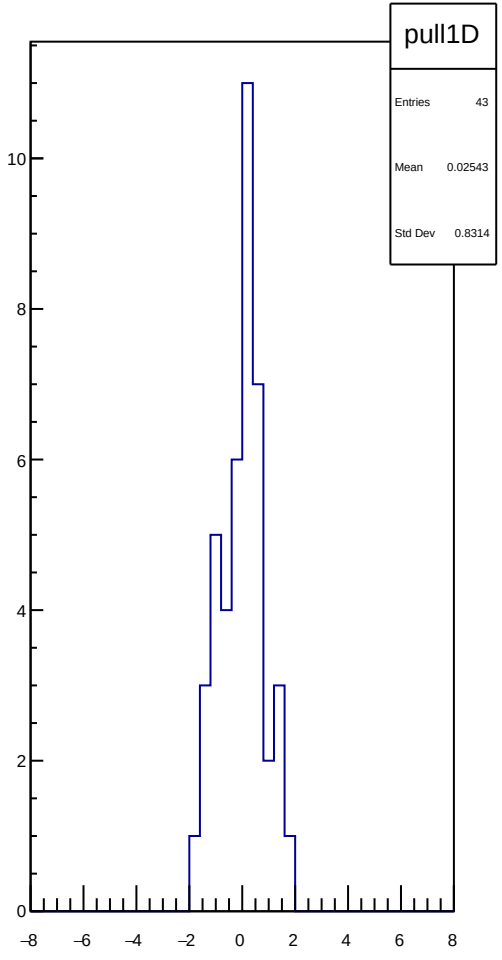


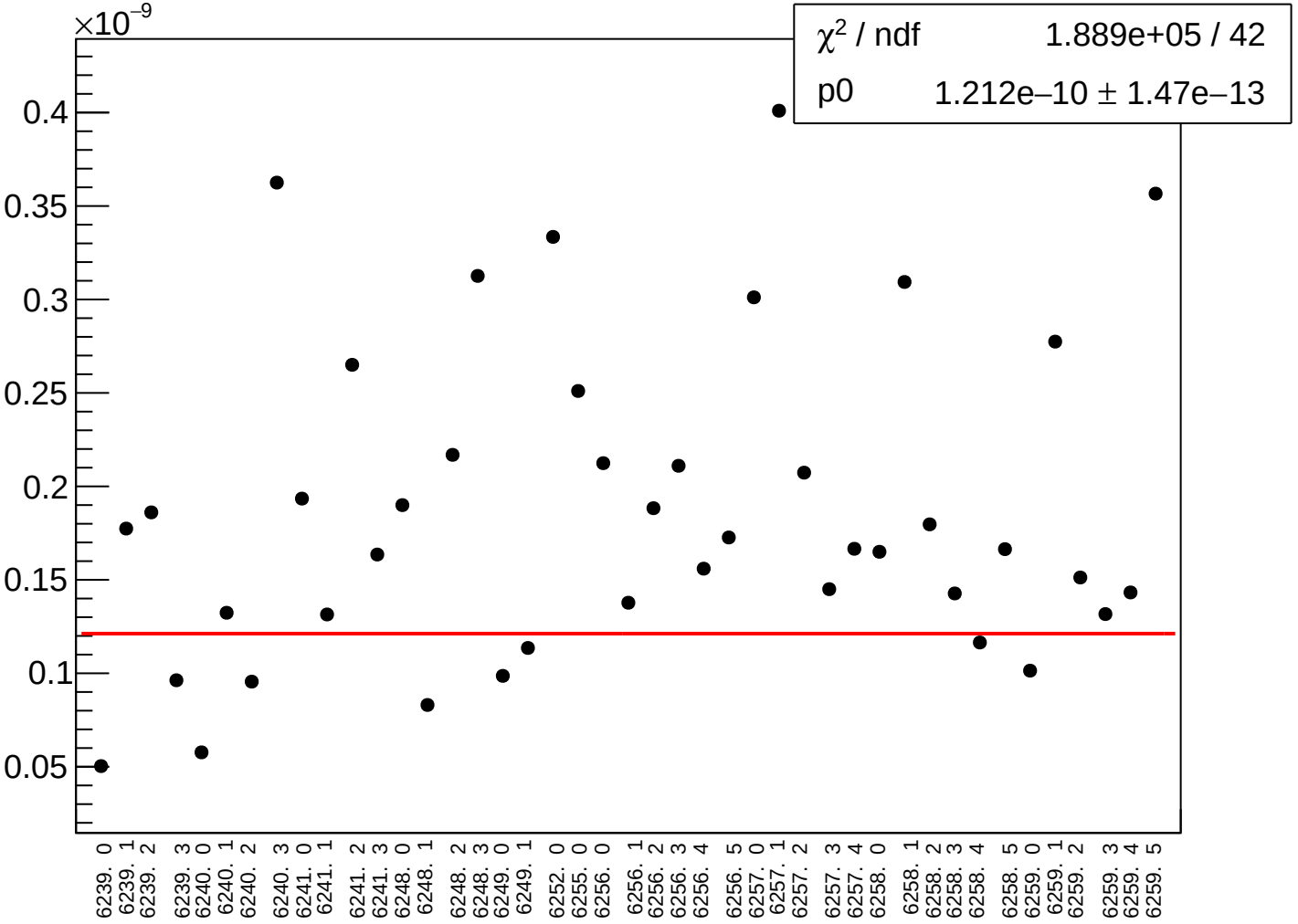



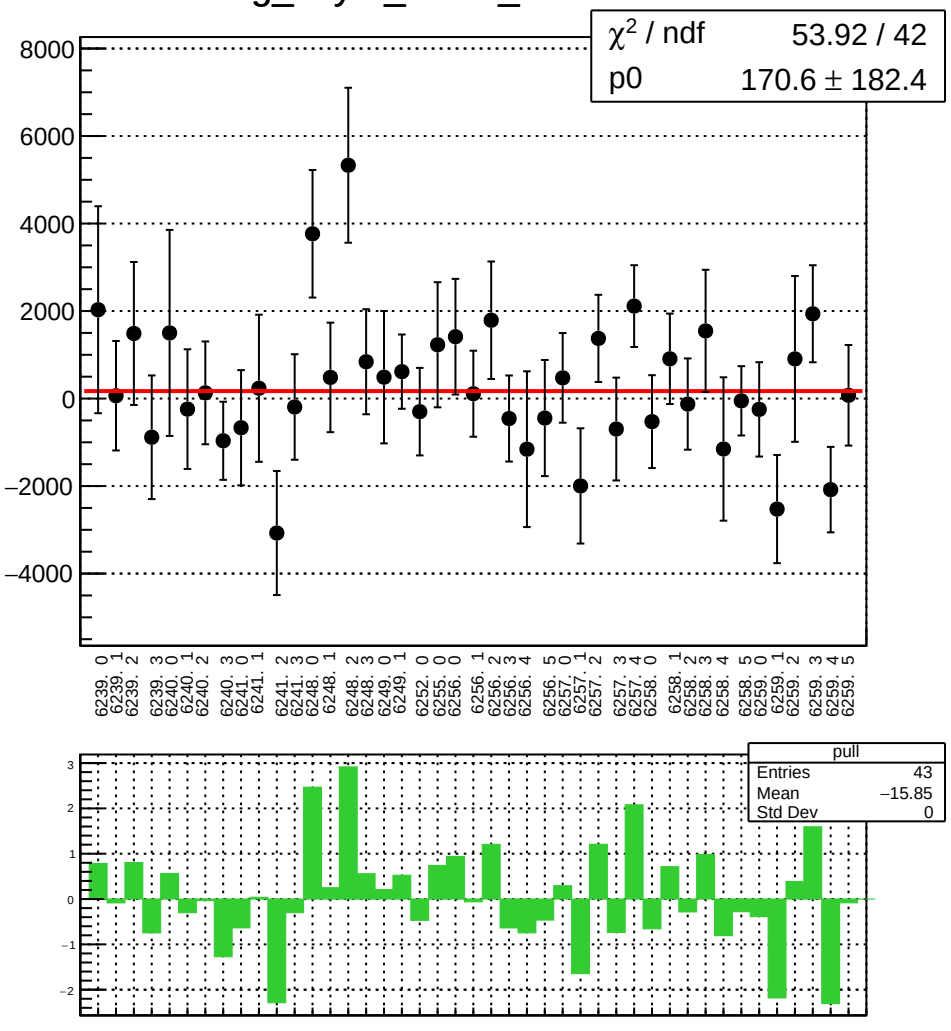



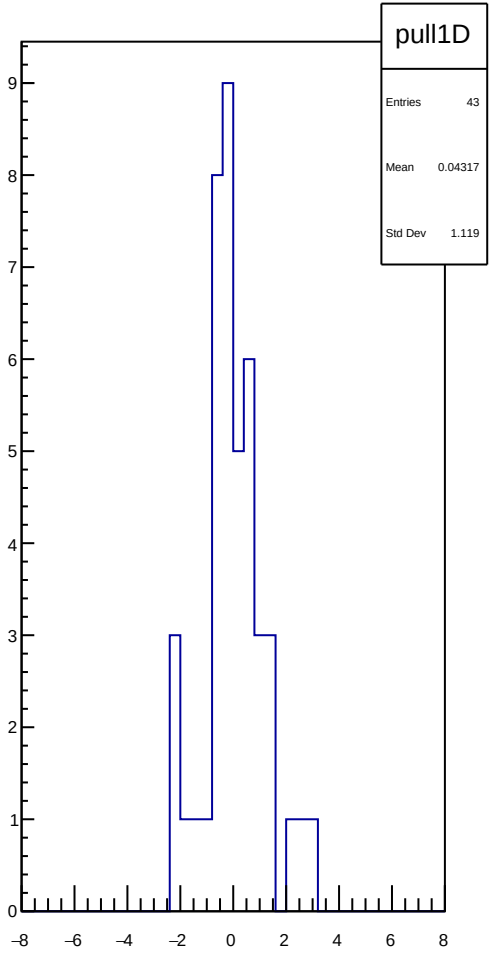

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.679e+04 / 42
p0 125.8 ± 0.1371
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

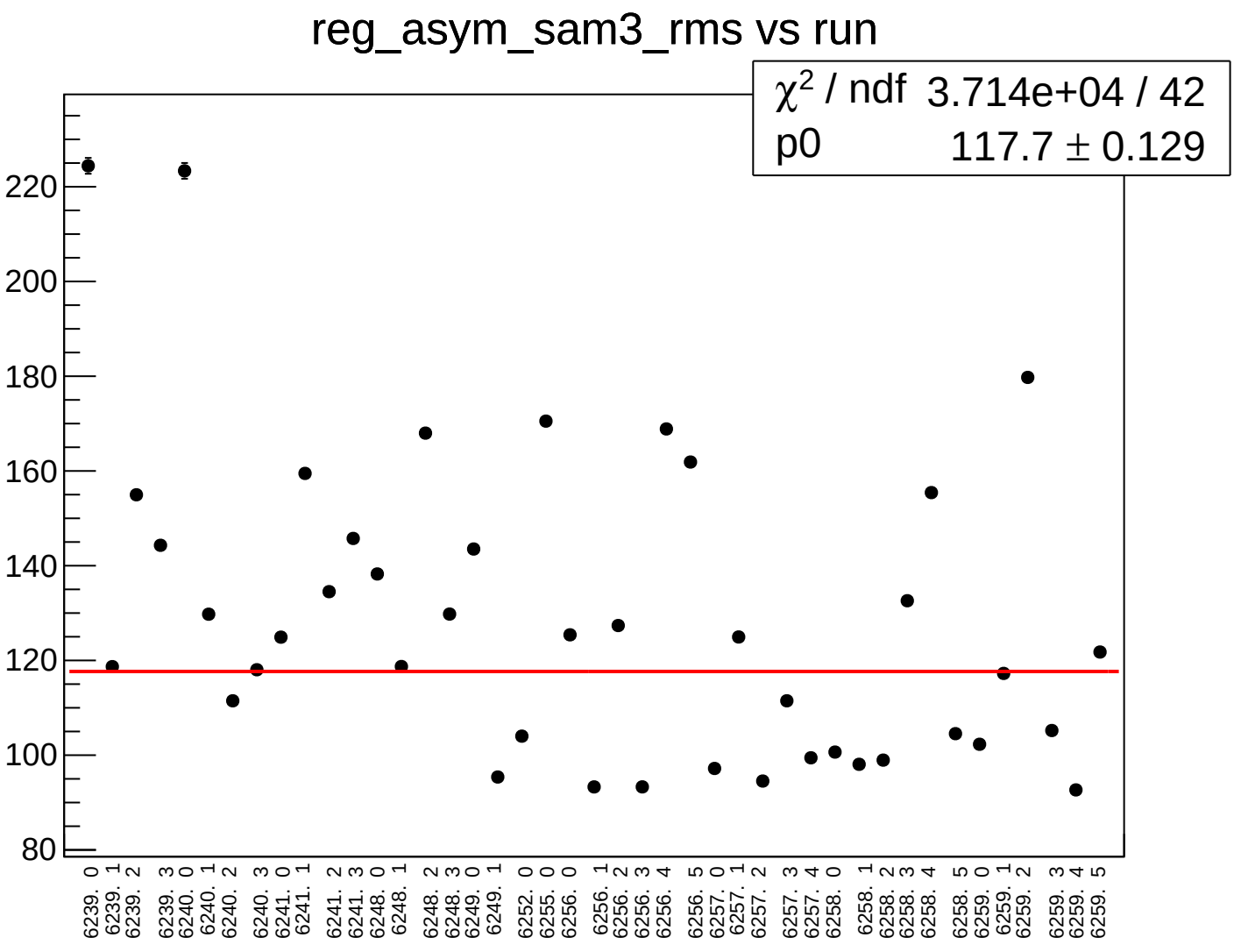

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.75 / 42
p0 2.635e−13 ± 2.078e−13
6
4
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

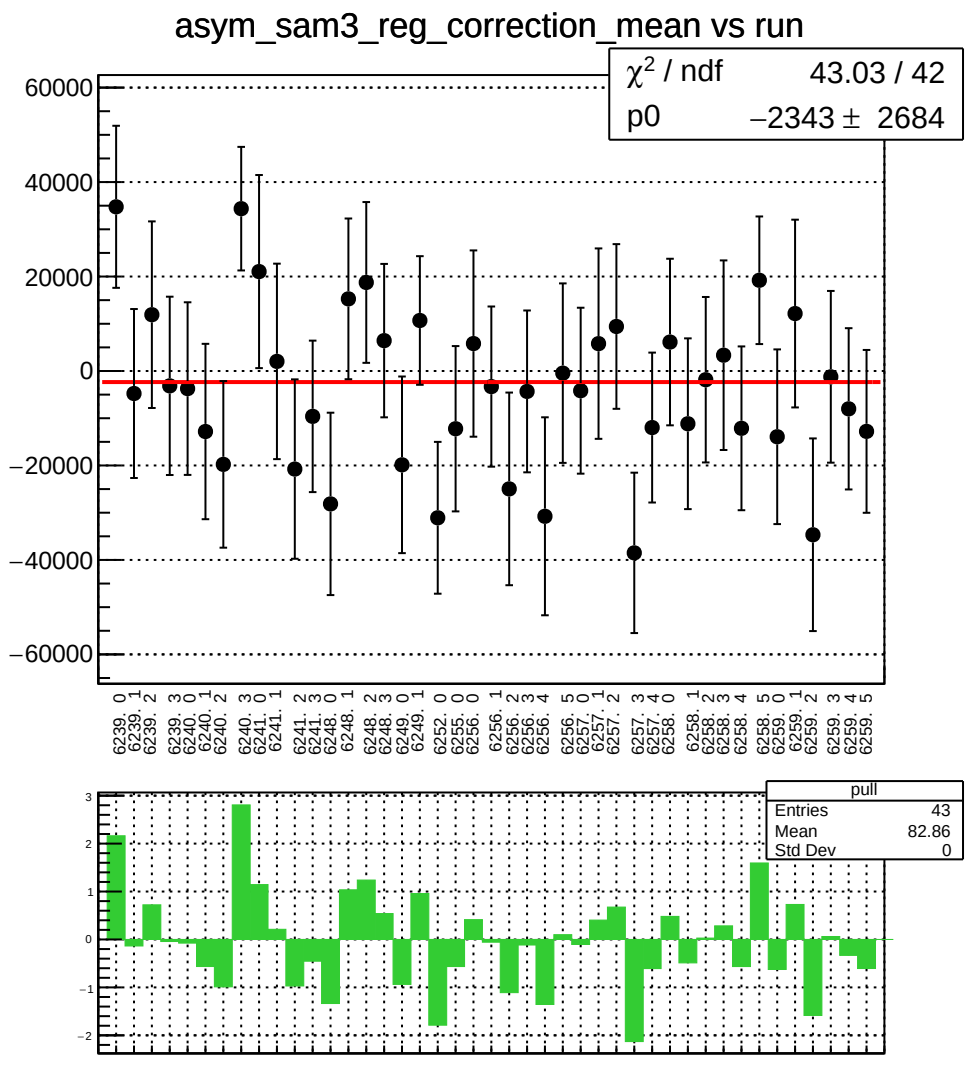

pull1D
Entries 43
Mean 0.02543
Std Dev 0.8314
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

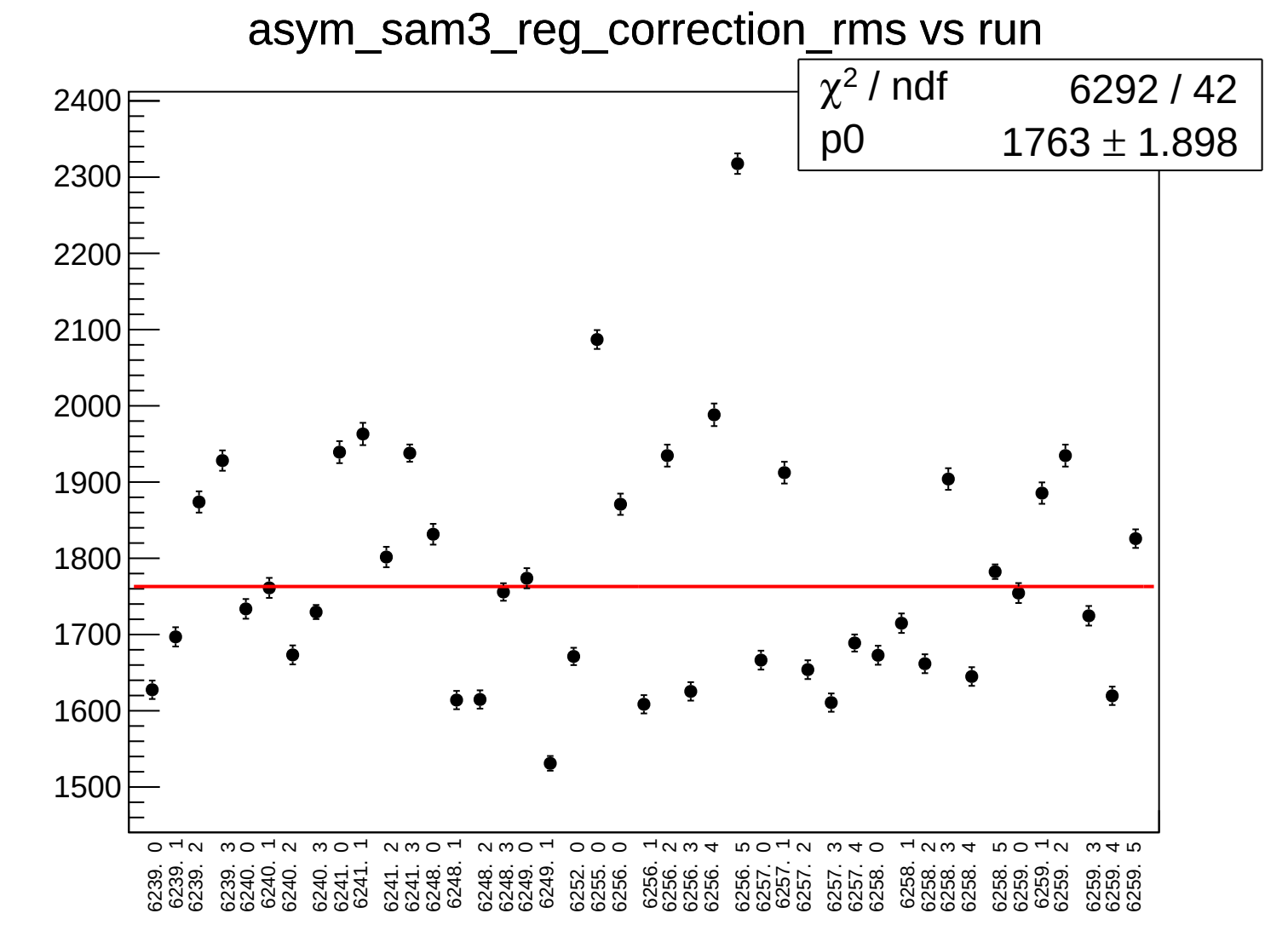

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.889e+05 / 42
p0 1.212e−10 ± 1.47e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

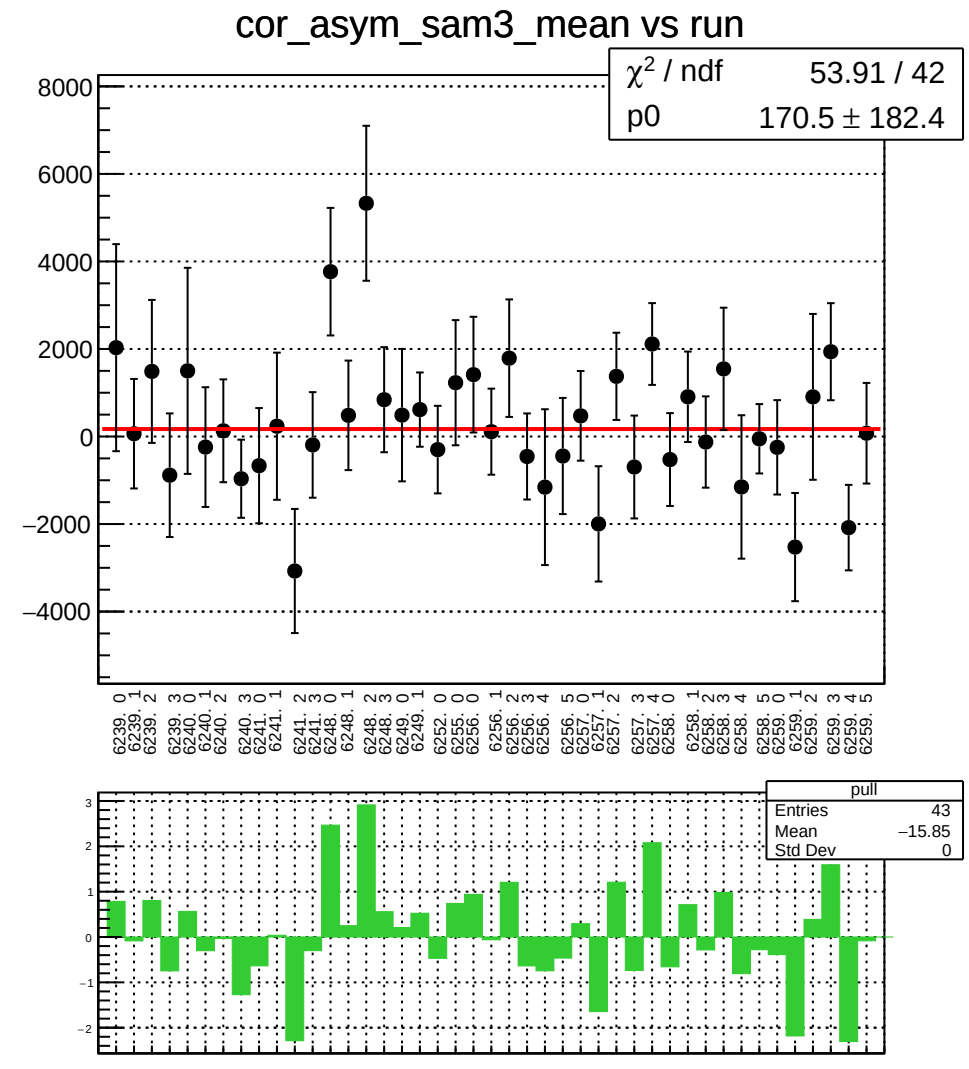

reg_asym_sam3_mean vs run
χ² / ndf 53.92 / 42
p0 170.6 ± 182.4
8000
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.85
Std Dev 0
3
2
1
0
−1
−2

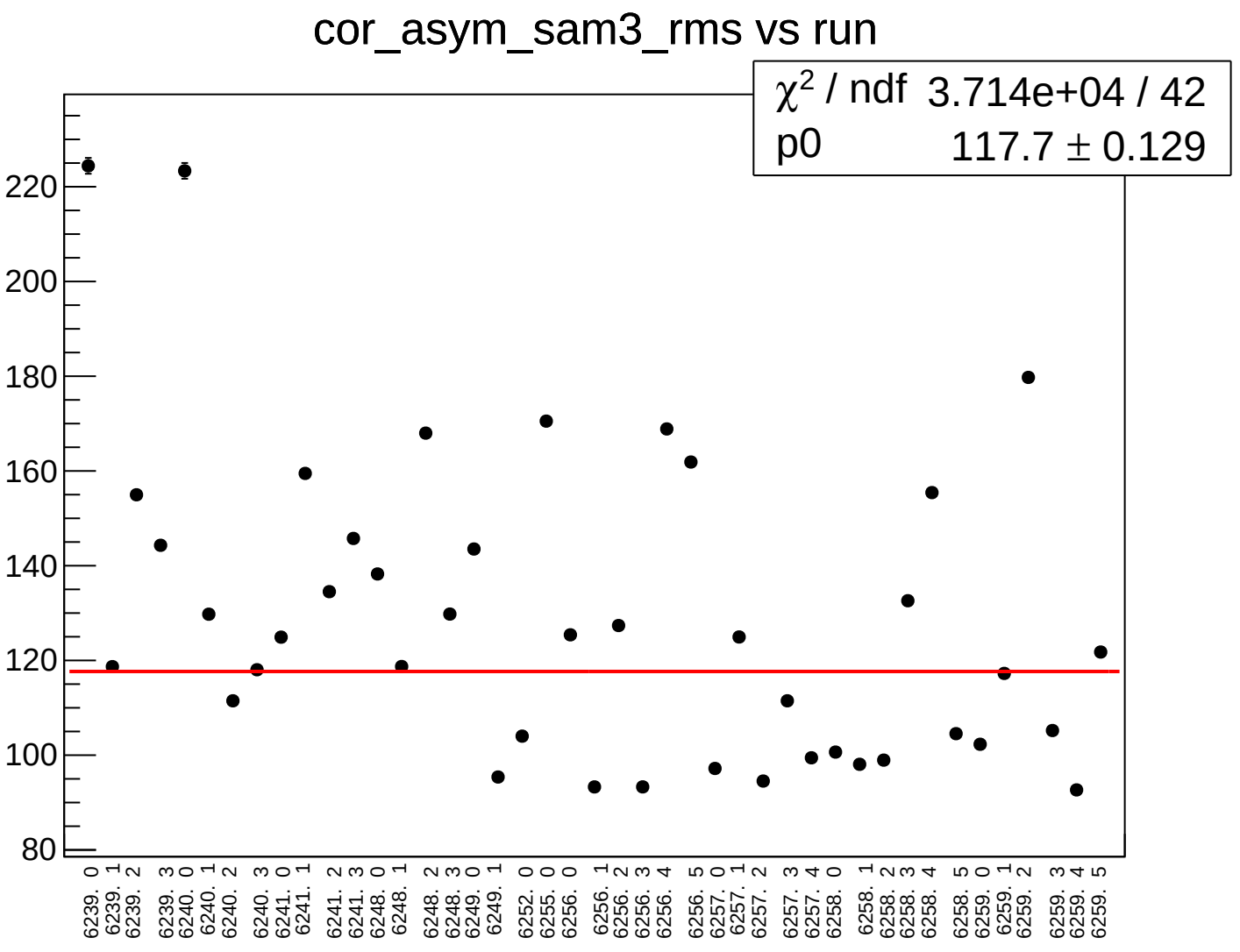

pull1D
Entries 43
Mean 0.04317
Std Dev 1.119
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

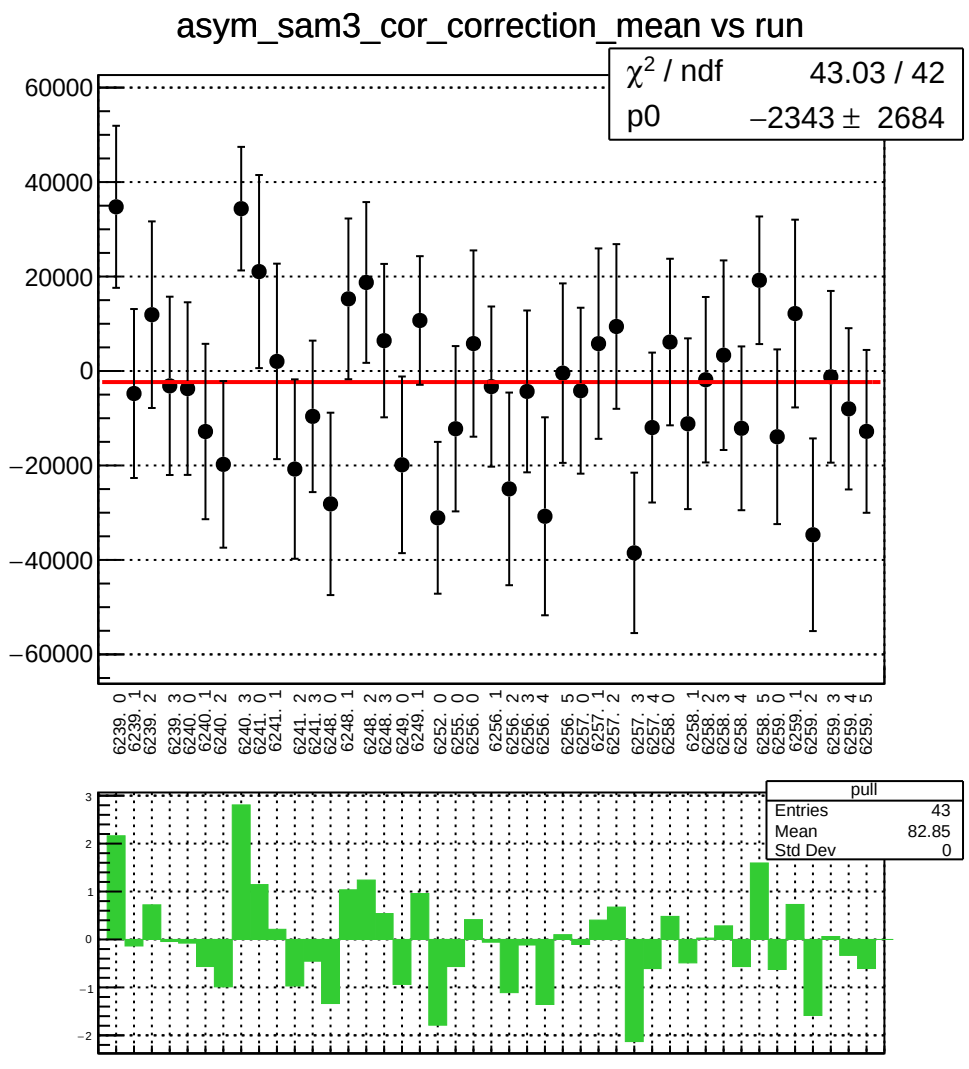

reg_asym_sam3_rms vs run
χ² / ndf 3.714e+04 / 42
p0 117.7 ± 0.129
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

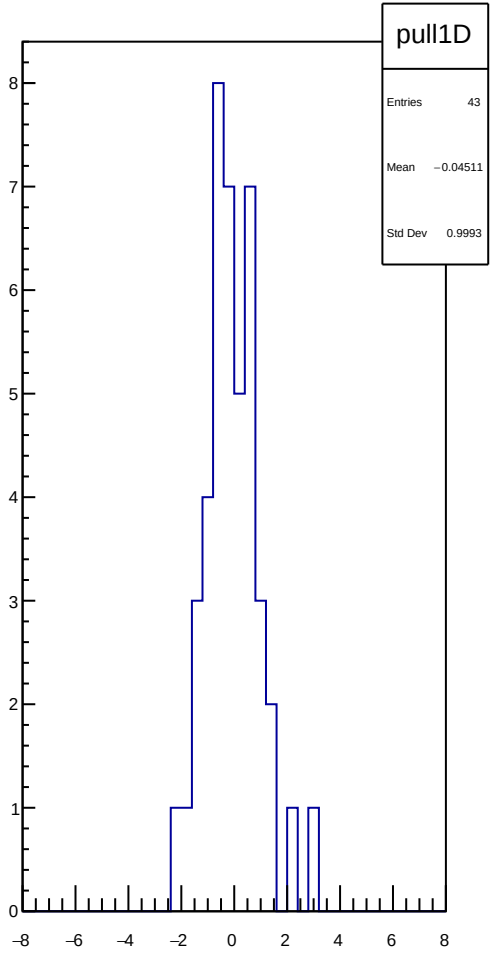

asym_sam3_reg_correction_mean vs run
χ² / ndf 43.03 / 42
p0 −2343 ± 2684
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.86
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04511
Std Dev 0.9993
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

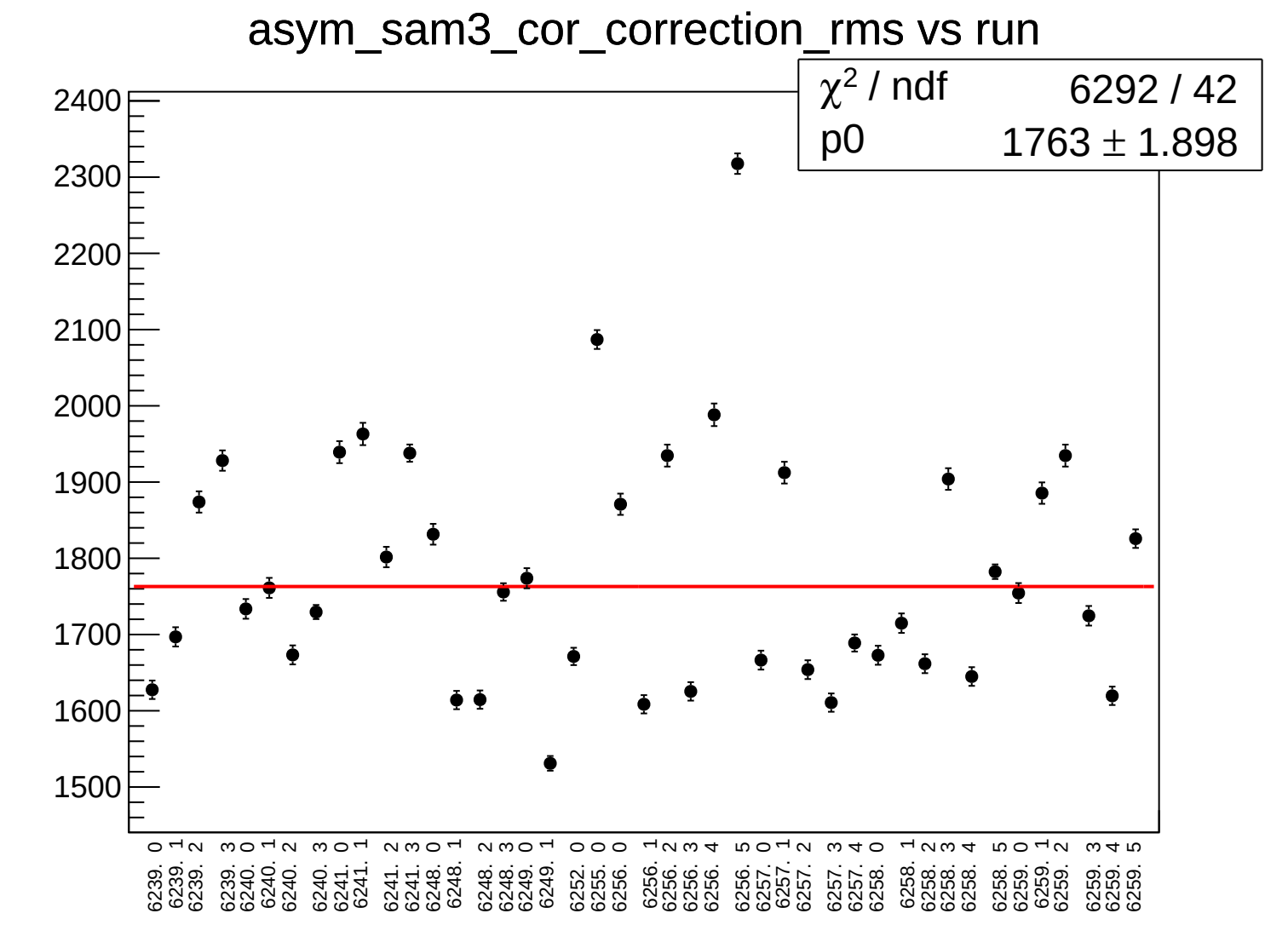

asym_sam3_reg_correction_rms vs run
χ² / ndf 6292 / 42
p0 1763 ± 1.898
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

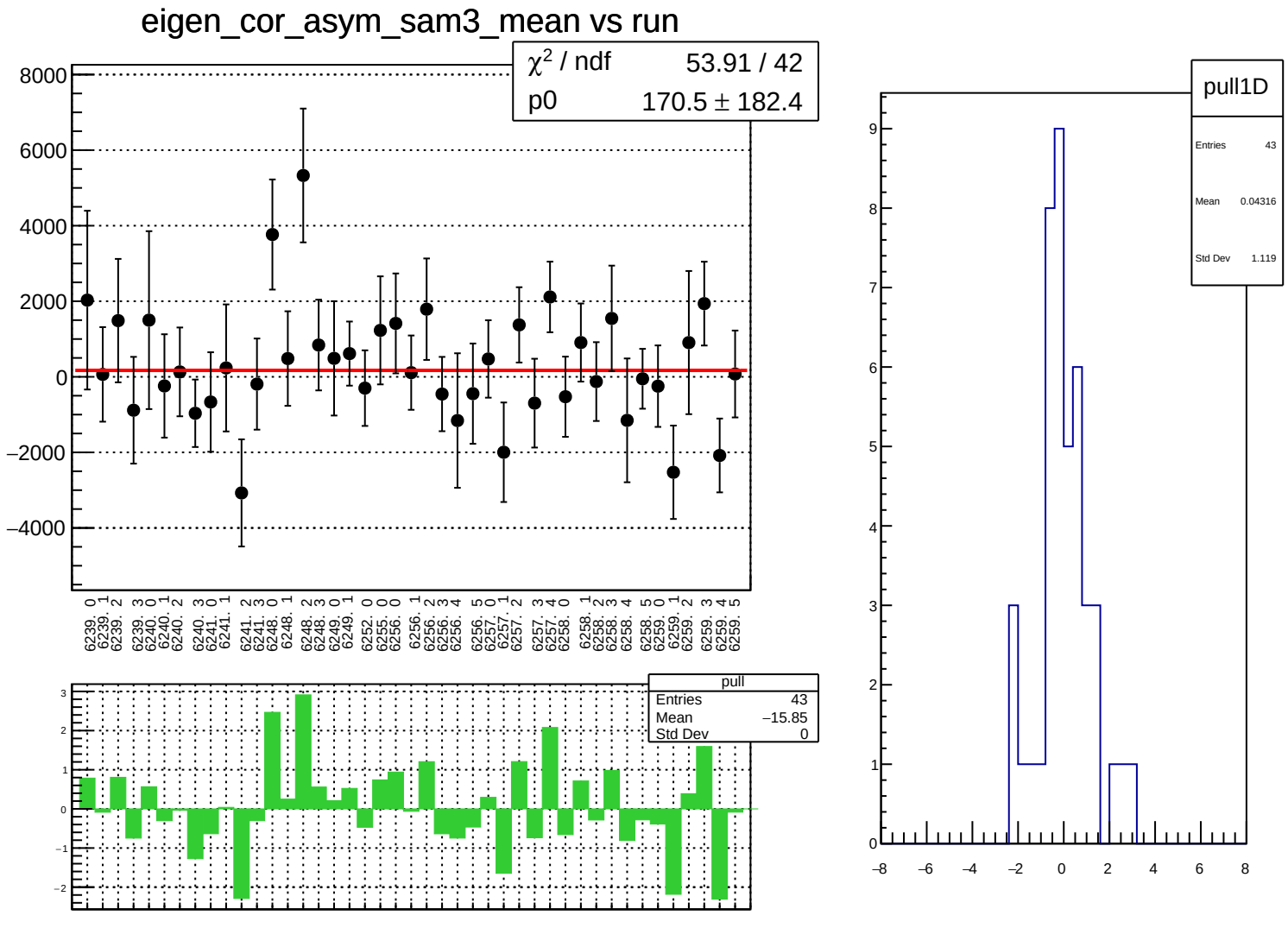

cor_asym_sam3_mean vs run
χ² / ndf 53.91 / 42
p0 170.5 ± 182.4
8000
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04316
Std Dev 1.119
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

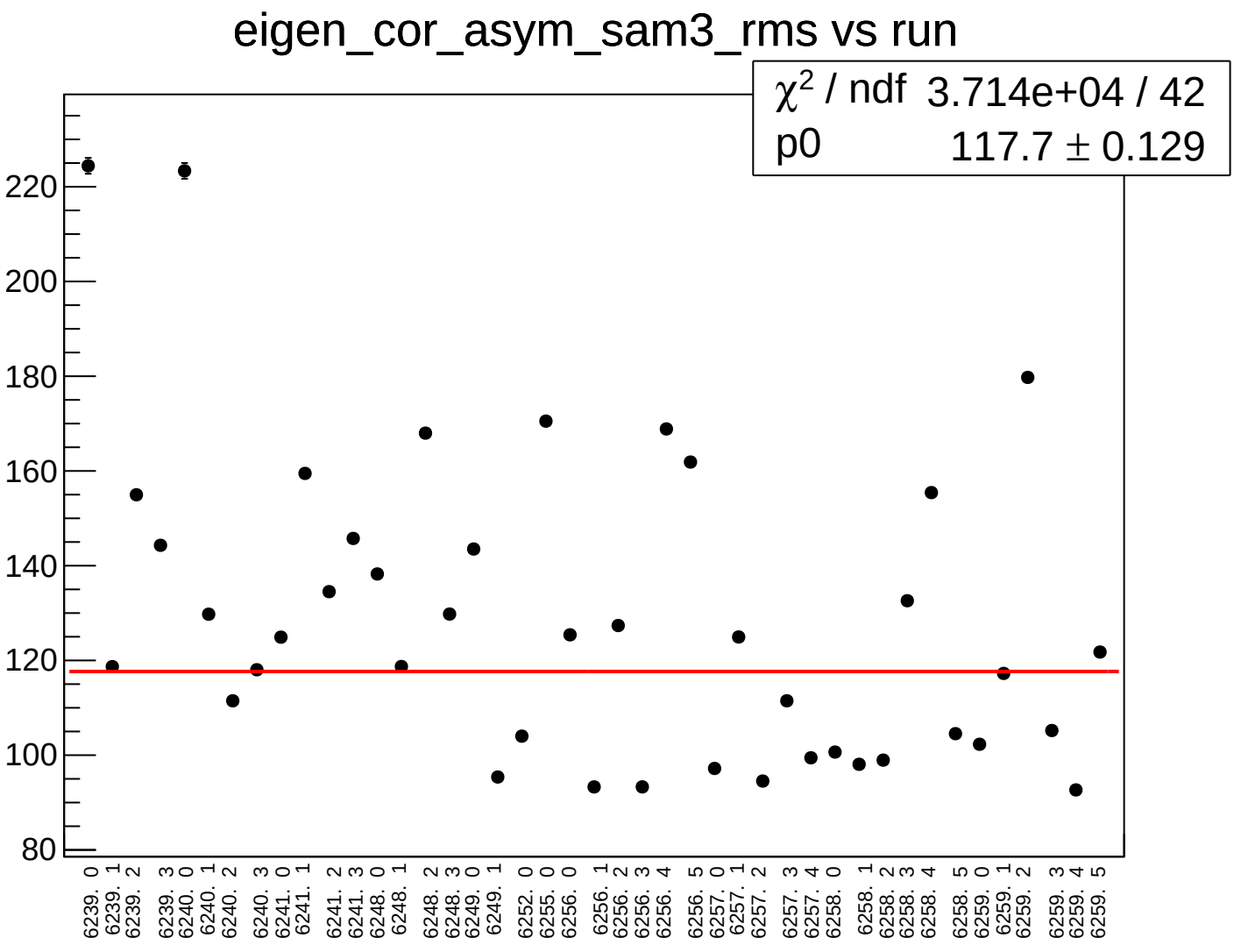

cor_asym_sam3_rms vs run
χ² / ndf 3.714e+04 / 42
p0 117.7 ± 0.129
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

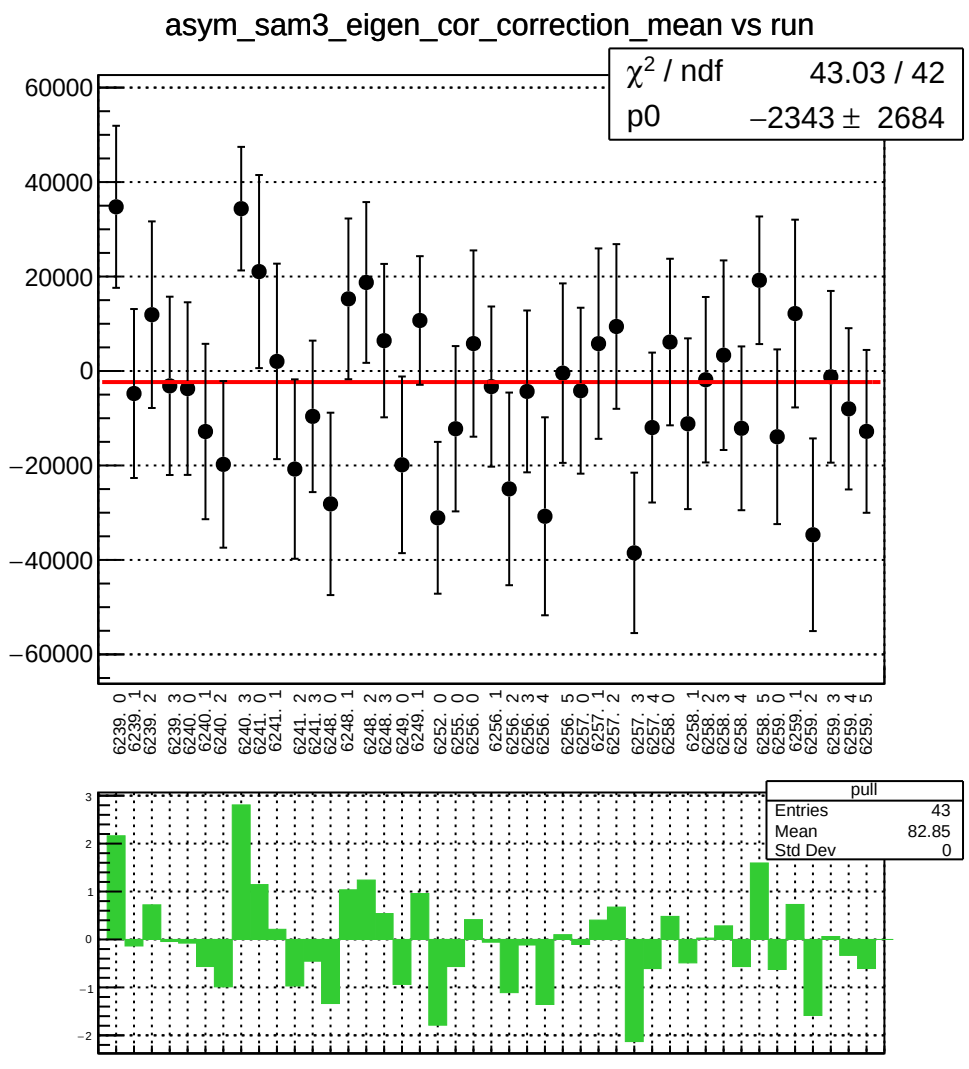

asym_sam3_cor_correction_mean vs run
χ² / ndf 43.03 / 42
p0 −2343 ± 2684
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.85
Std Dev 0
3
2
1
0
−1
−2

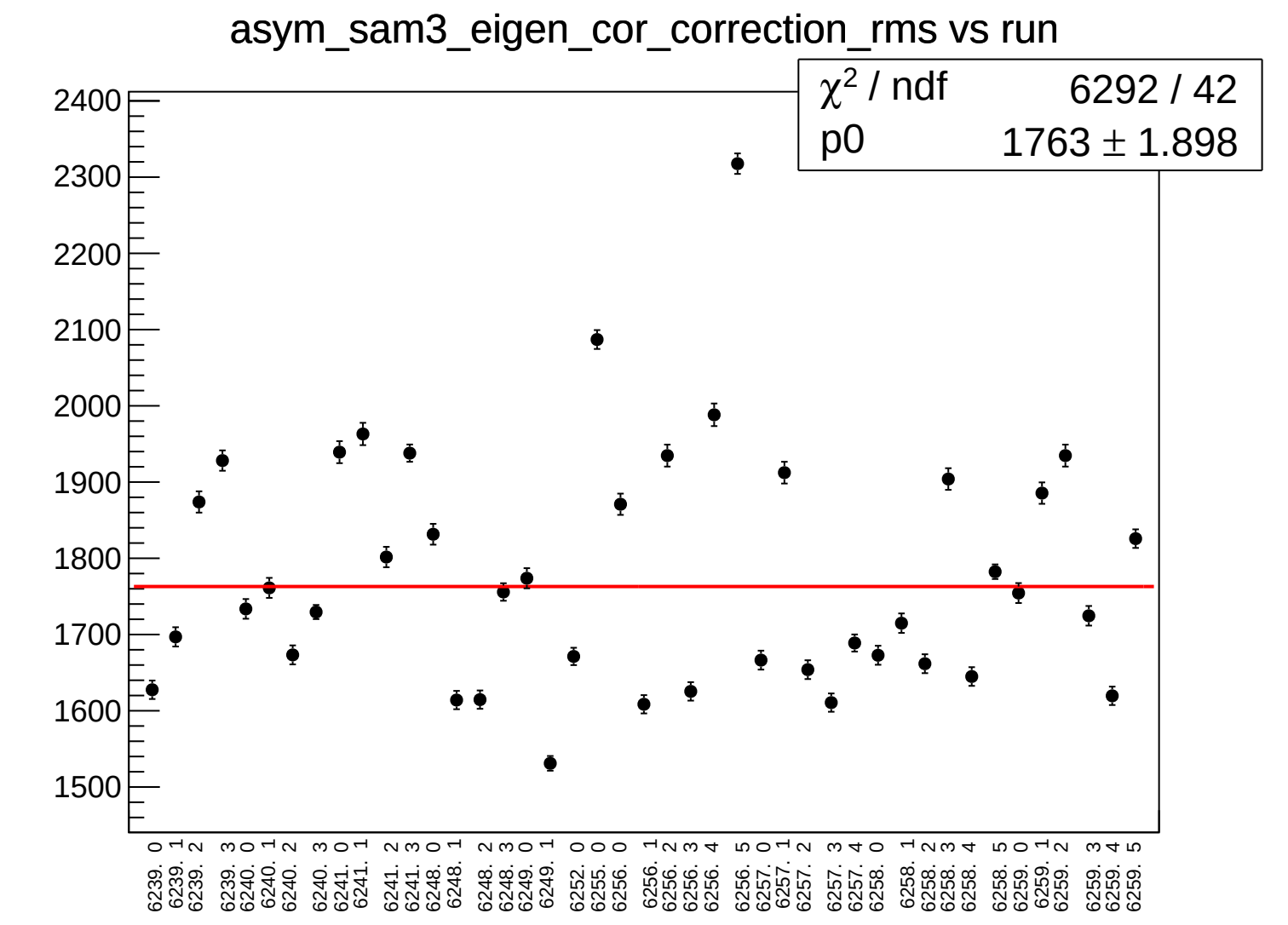

pull1D
Entries 43
Mean −0.04511
Std Dev 0.9993
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

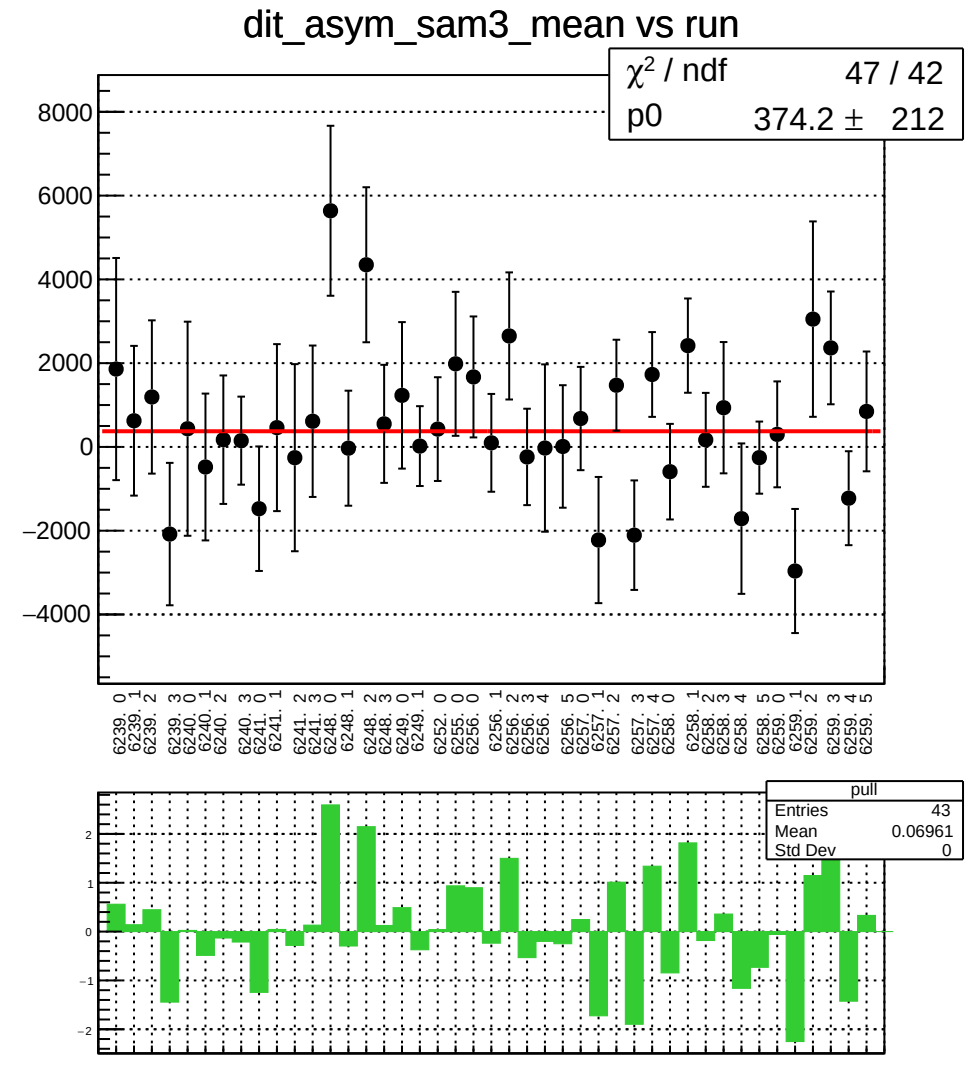

asym_sam3_cor_correction_rms vs run
χ² / ndf 6292 / 42
p0 1763 ± 1.898
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

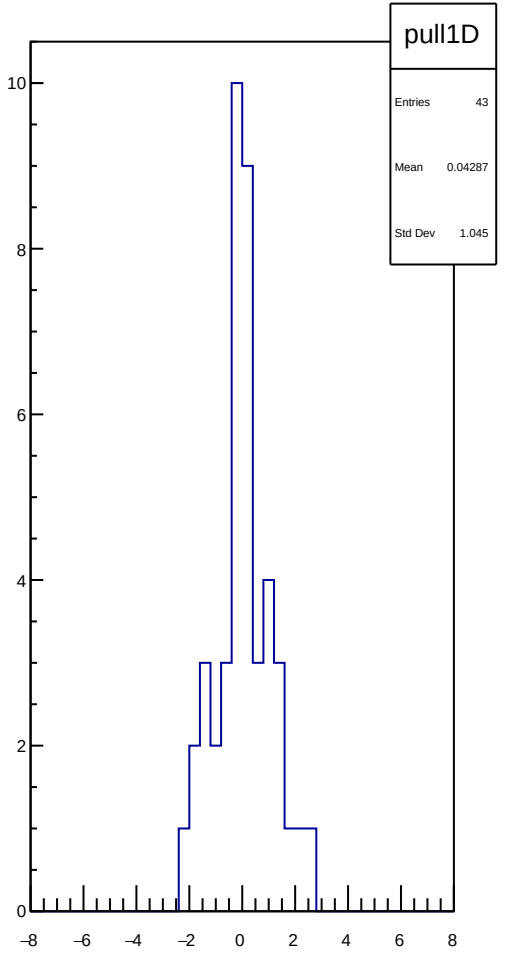

eigen_cor_asym_sam3_mean vs run
χ² / ndf 53.91 / 42
p0 170.5 ± 182.4
8000
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04316
Std Dev 1.119
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

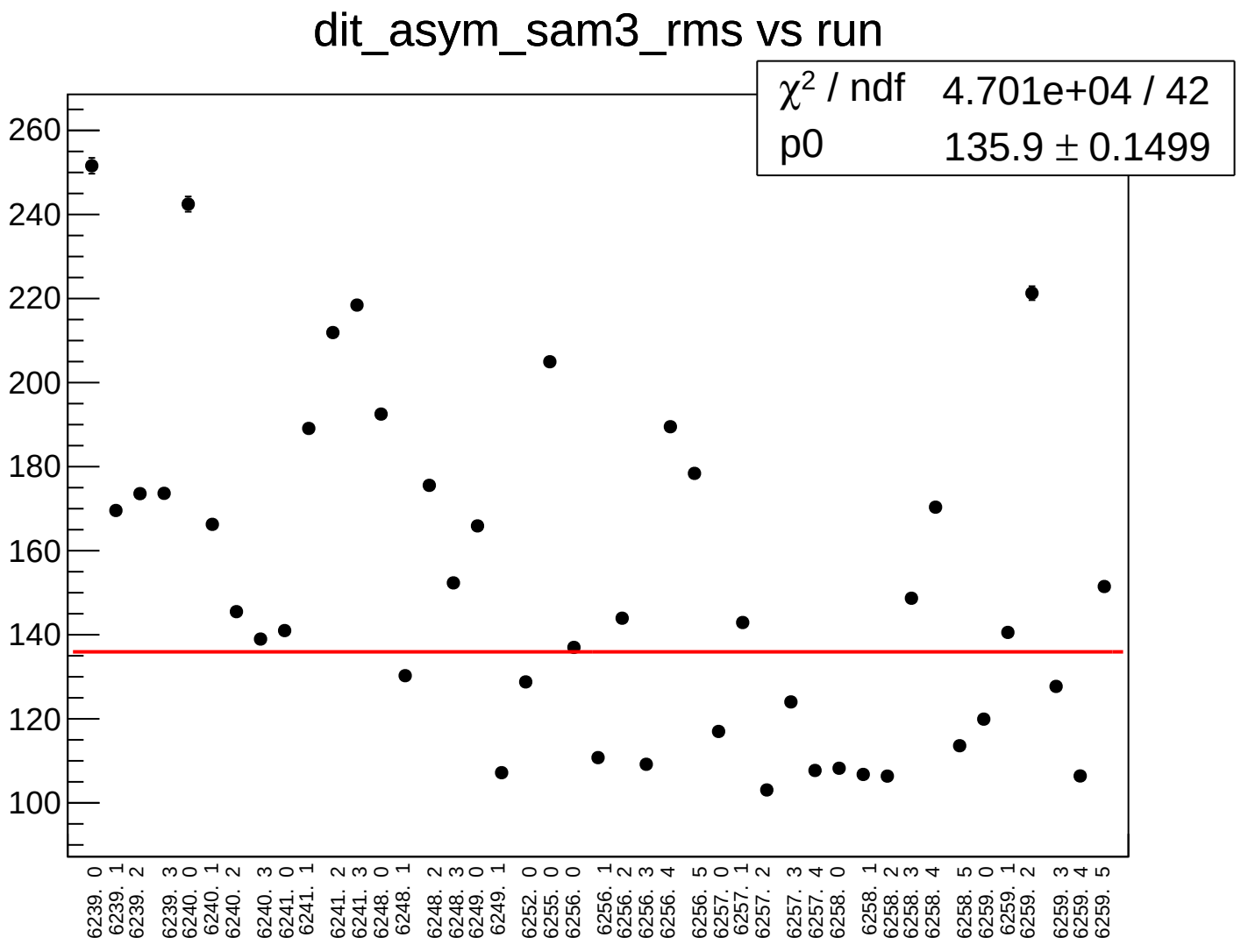

eigen_cor_asym_sam3_rms vs run
χ² / ndf 3.714e+04 / 42
p0 117.7 ± 0.129
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

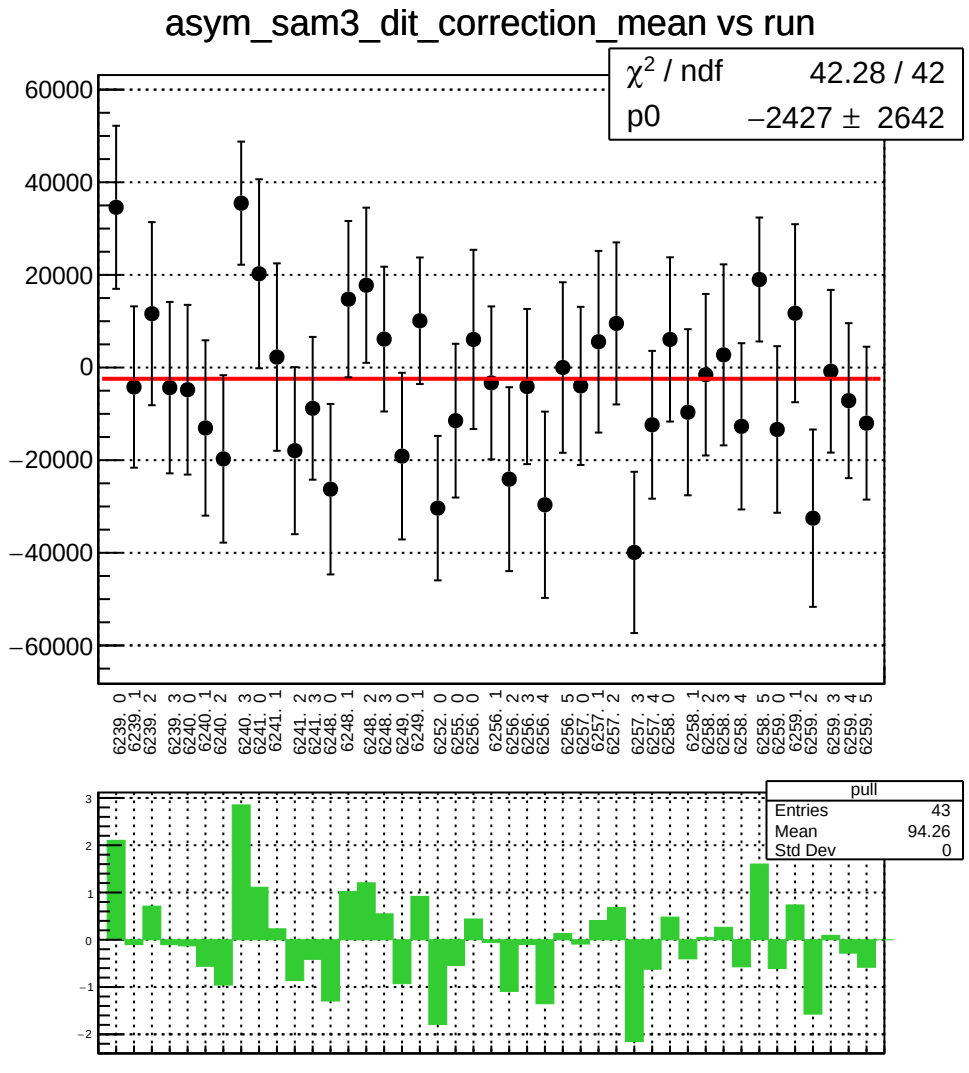

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 43.03 / 42
p0 −2343 ± 2684
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04511
Std Dev 0.9993
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

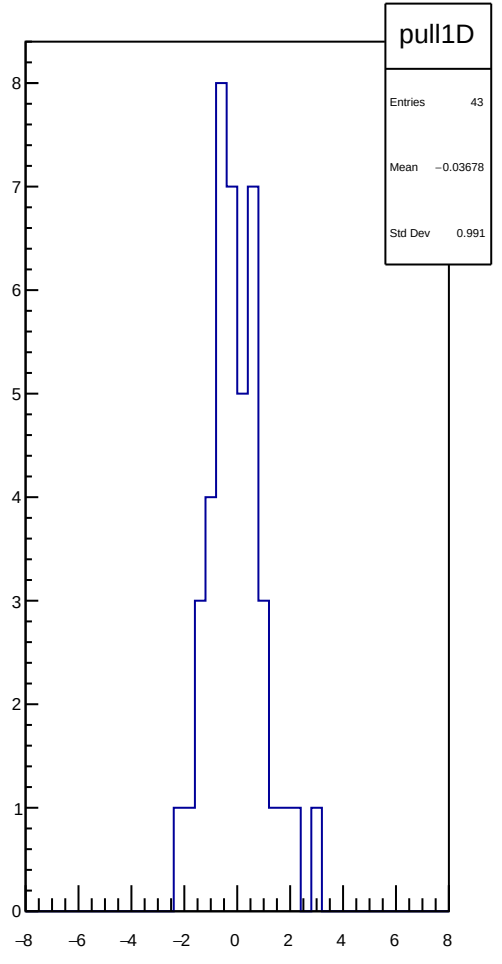

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 6292 / 42
p0 1763 ± 1.898
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

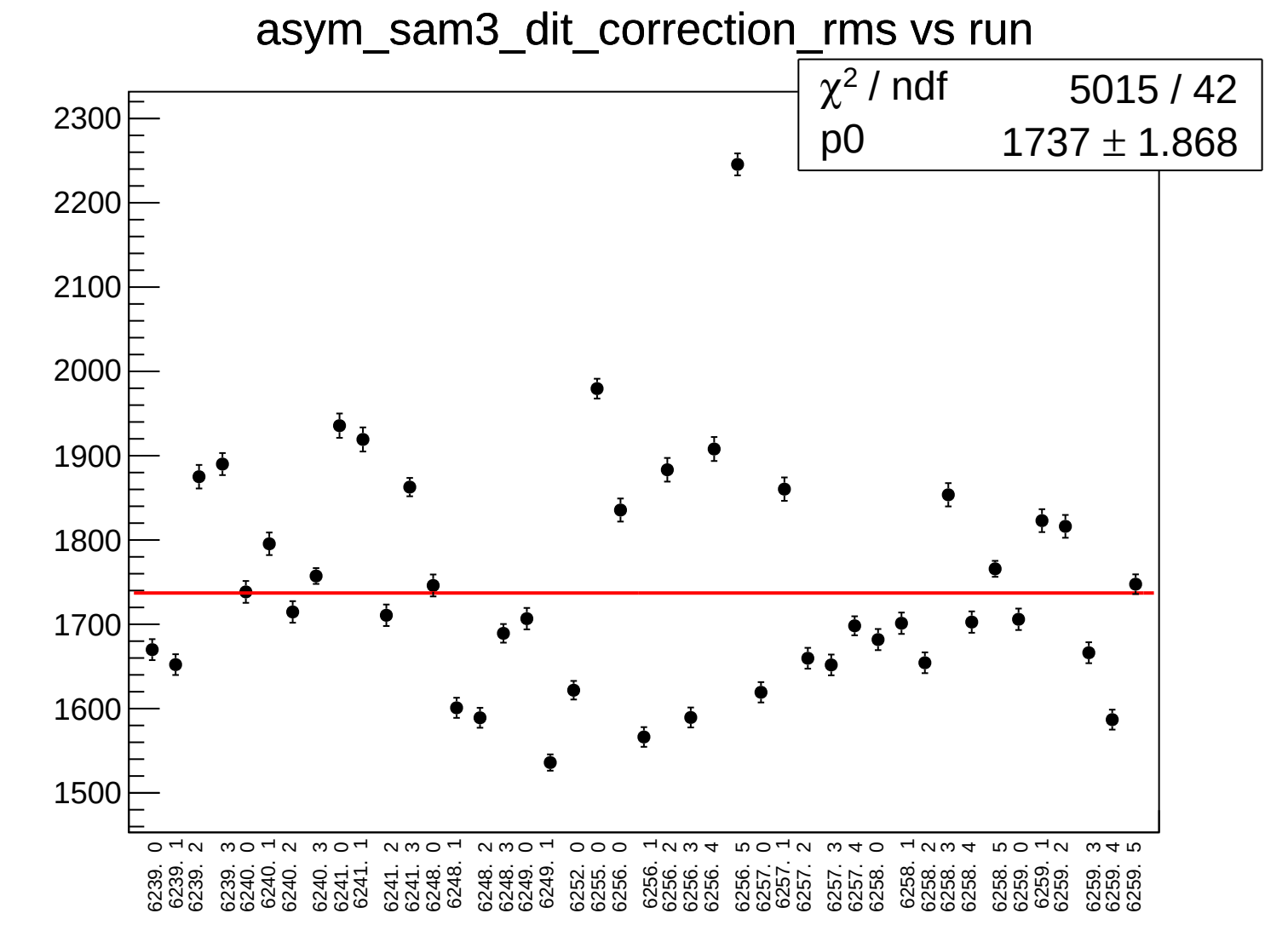

dit_asym_sam3_mean vs run
χ² / ndf 47 / 42
p0 374.2 ± 212
8000
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 0.06961
Std Dev 0
2
1
0
−1
−2

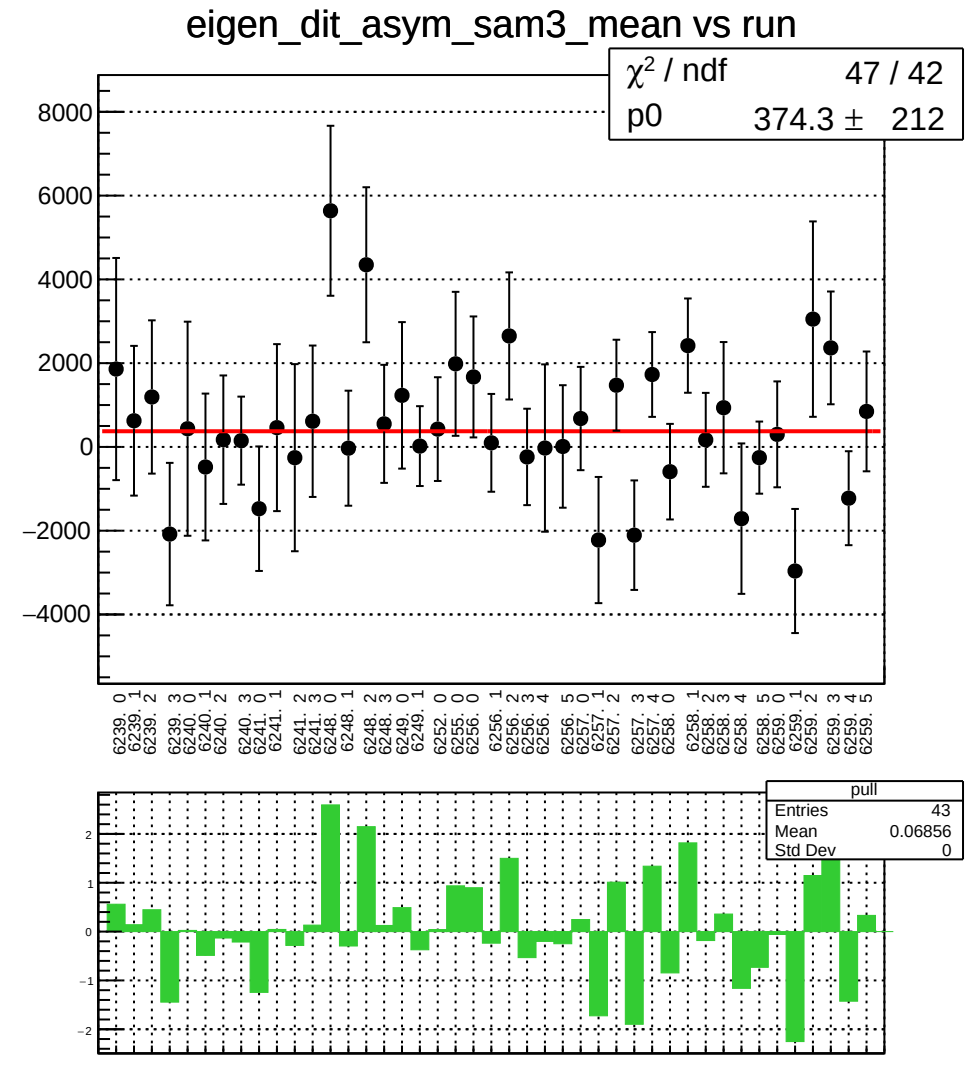

pull1D
Entries 43
Mean 0.04287
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

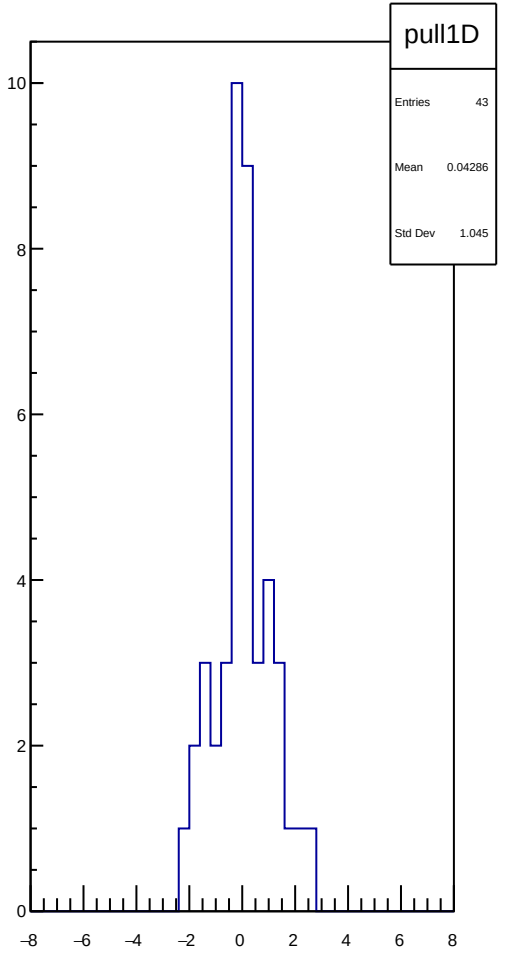

dit_asym_sam3_rms vs run
χ² / ndf 4.701e+04 / 42
p0 135.9 ± 0.1499
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

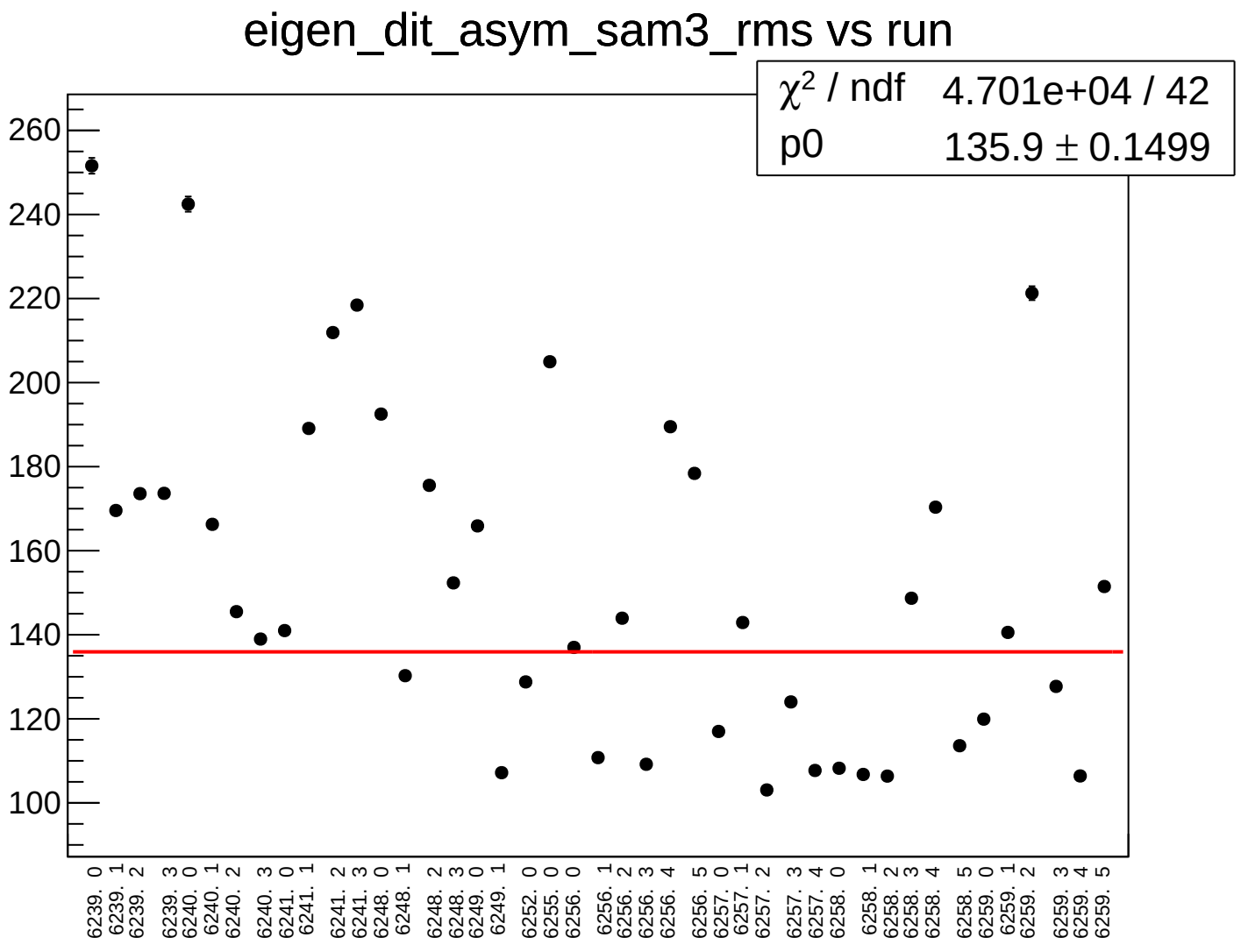

asym_sam3_dit_correction_mean vs run
χ² / ndf 42.28 / 42
p0 −2427 ± 2642
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.26
Std Dev 0
3
2
1
0
−1
−2

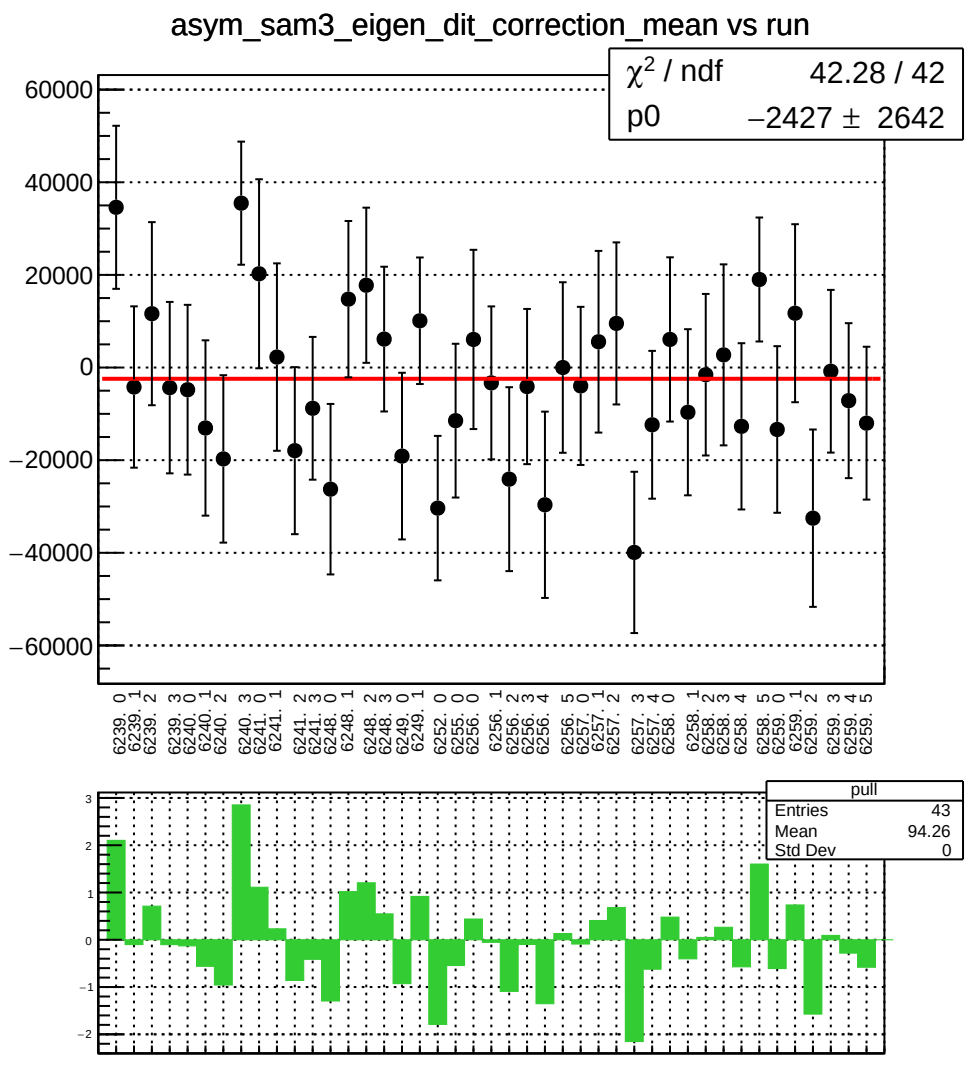

pull1D
Entries 43
Mean −0.03678
Std Dev 0.991
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

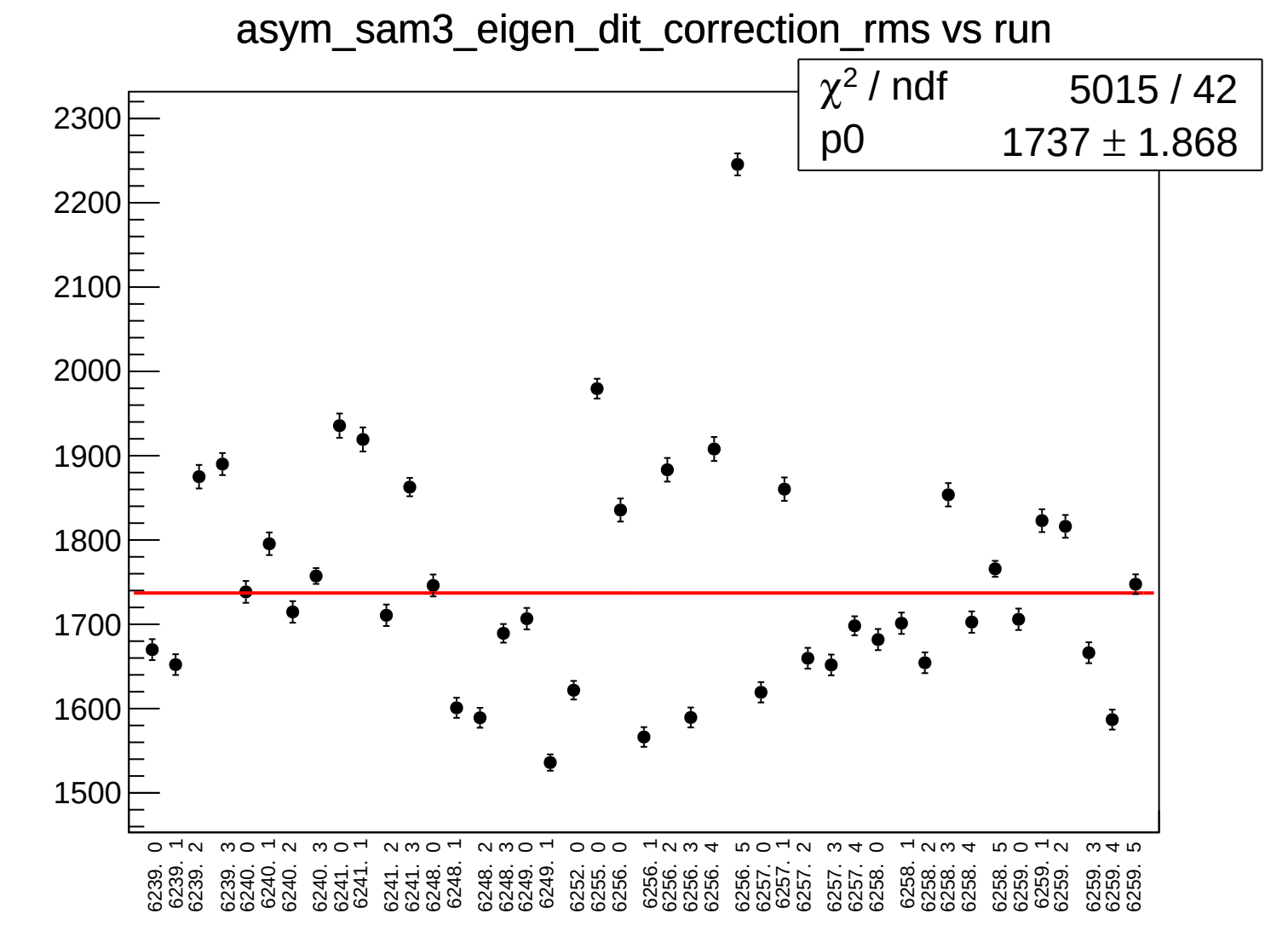

asym_sam3_dit_correction_rms vs run
χ² / ndf 5015 / 42
p0 1737 ± 1.868
2300
2200
2100
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

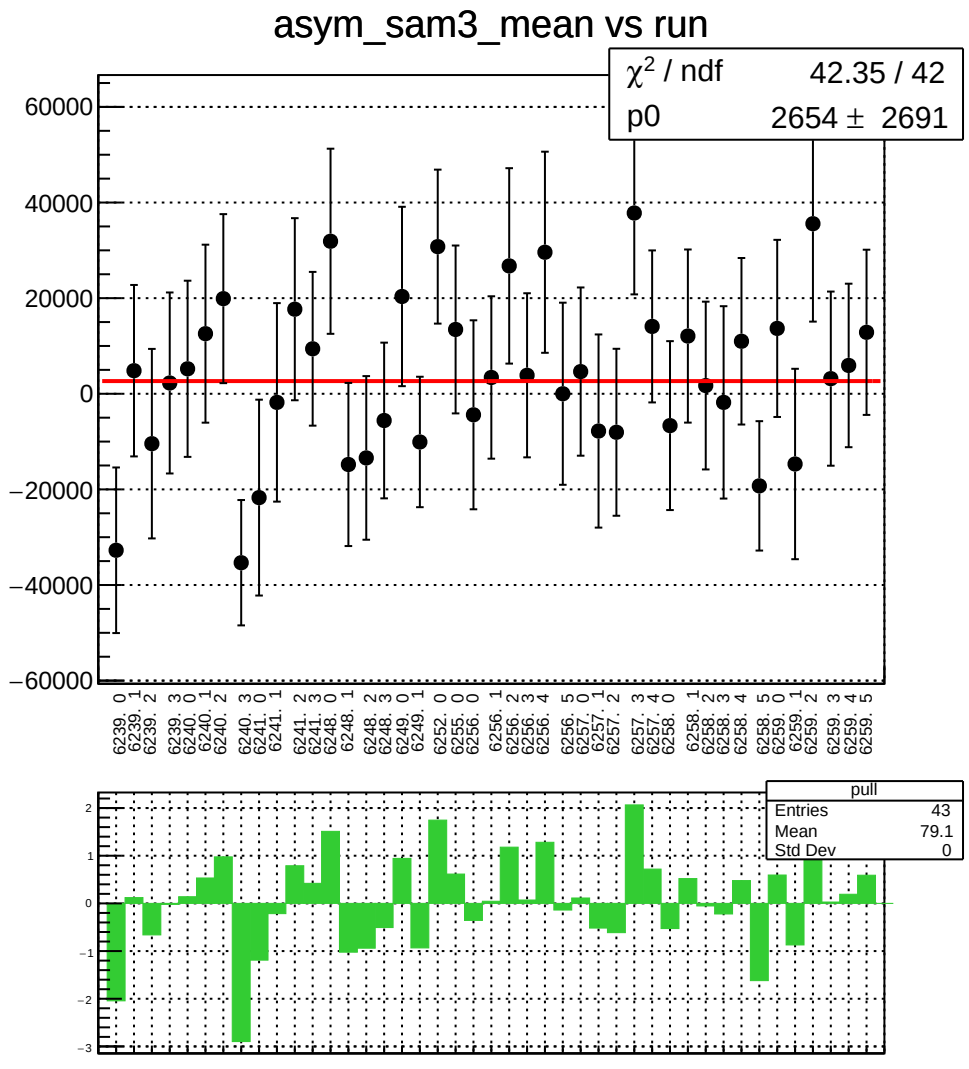

eigen_dit_asym_sam3_mean vs run
χ² / ndf 47 / 42
p0 374.3 ± 212
8000
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 0.06856
Std Dev 0
2
1
0
−1
−2

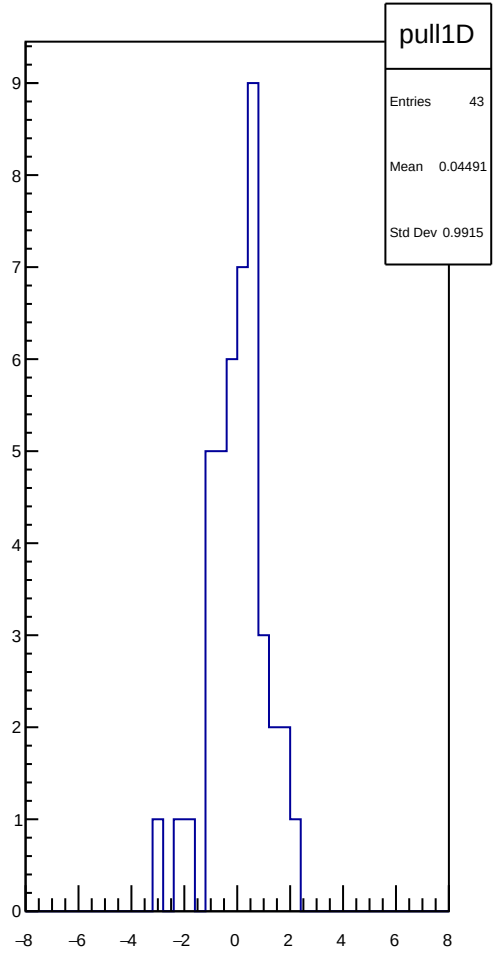

pull1D
Entries 43
Mean 0.04286
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

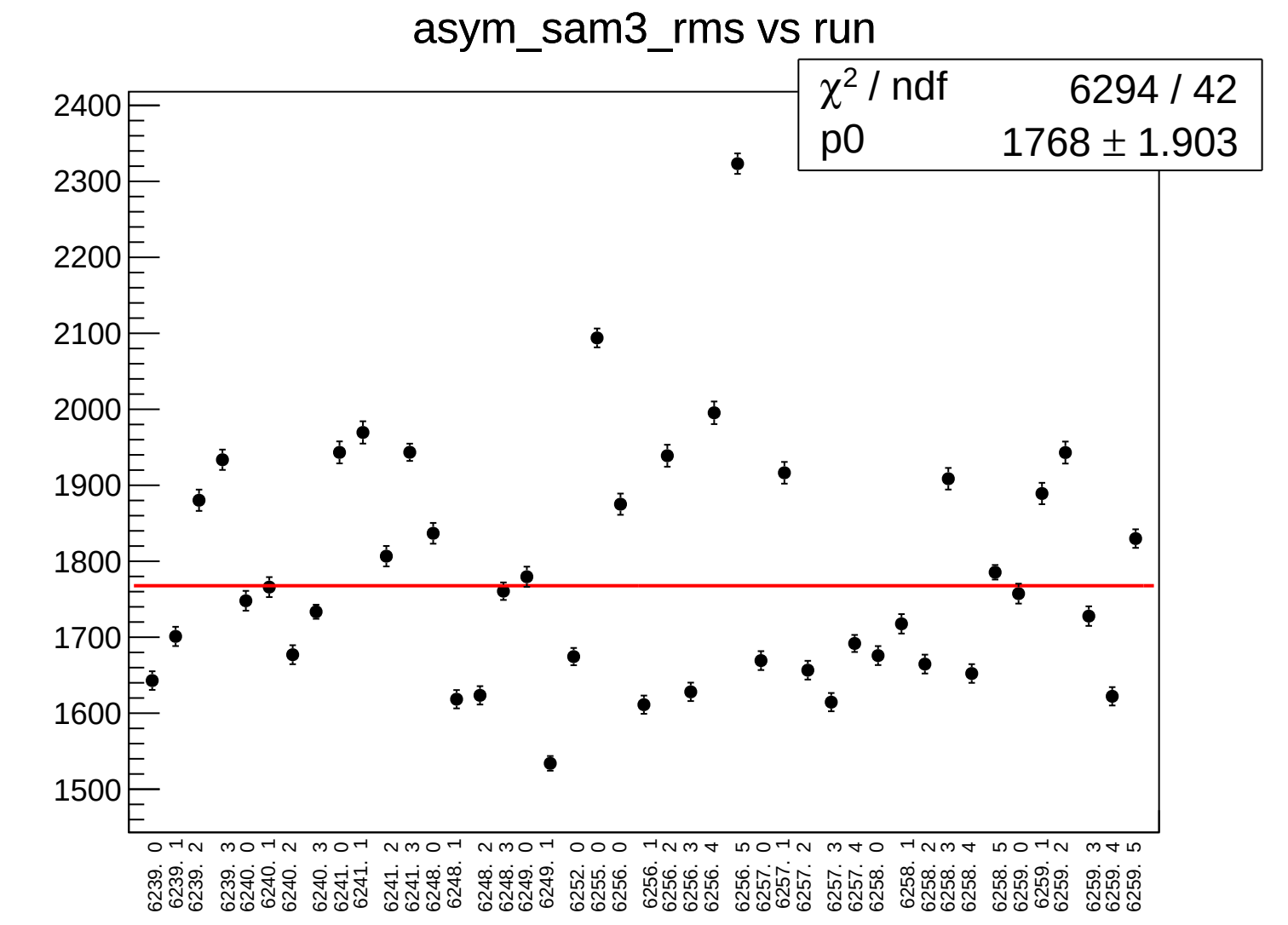

eigen_dit_asym_sam3_rms vs run
χ² / ndf 4.701e+04 / 42
p0 135.9 ± 0.1499
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

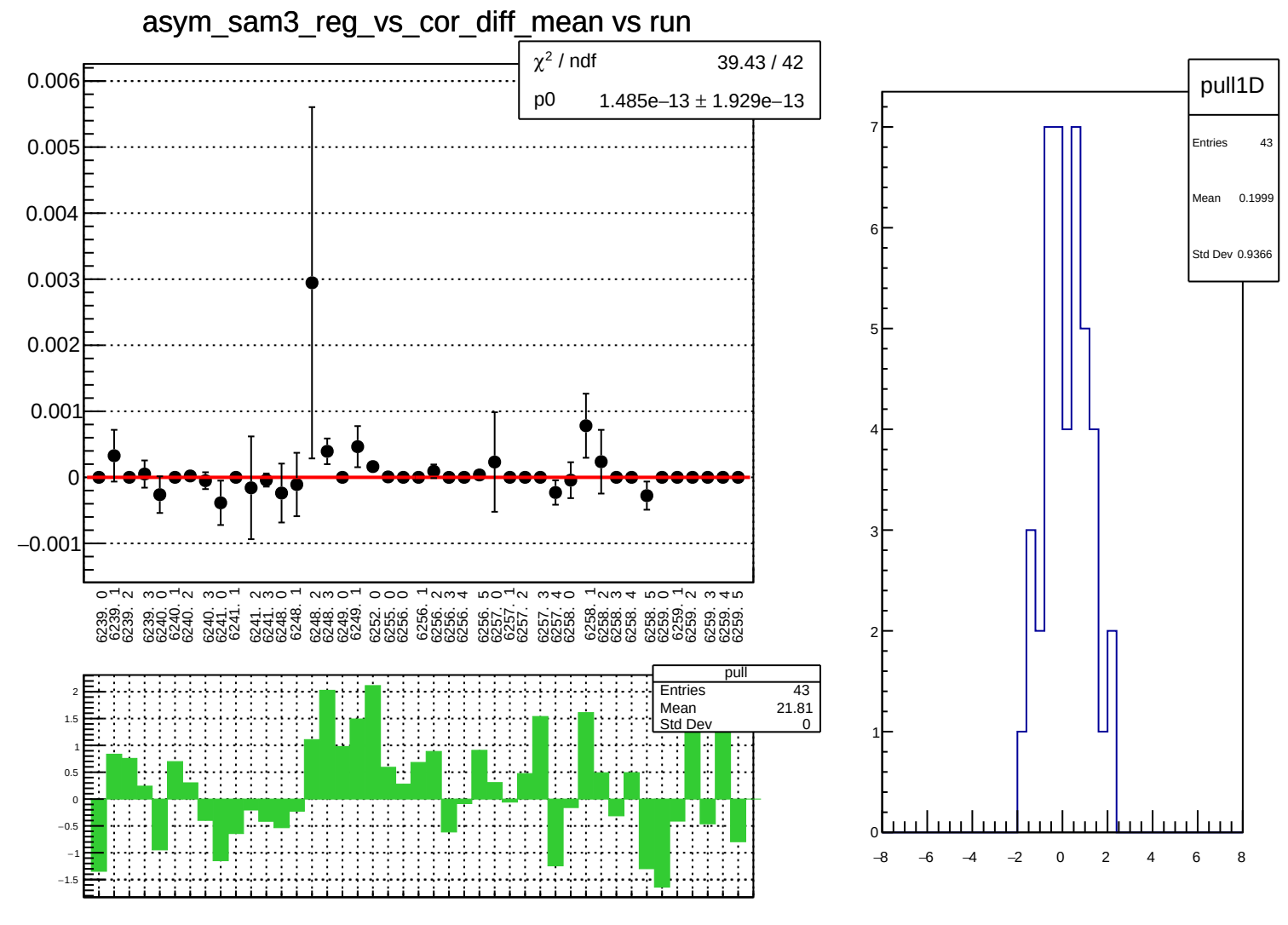

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 42.28 / 42
p0 −2427 ± 2642
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.26
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03678
Std Dev 0.991
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

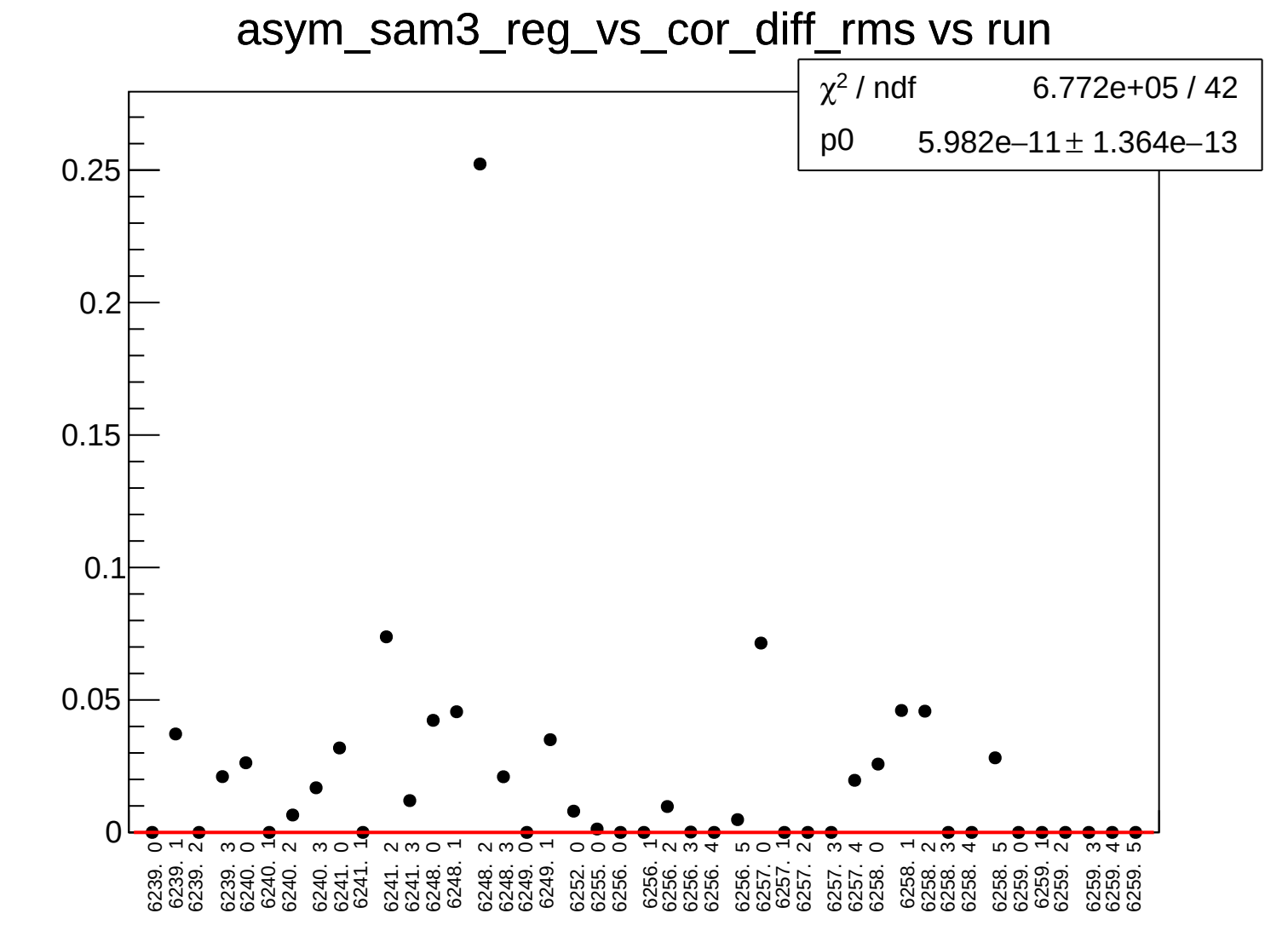

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 5015 / 42
p0 1737 ± 1.868
2300
2200
2100
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

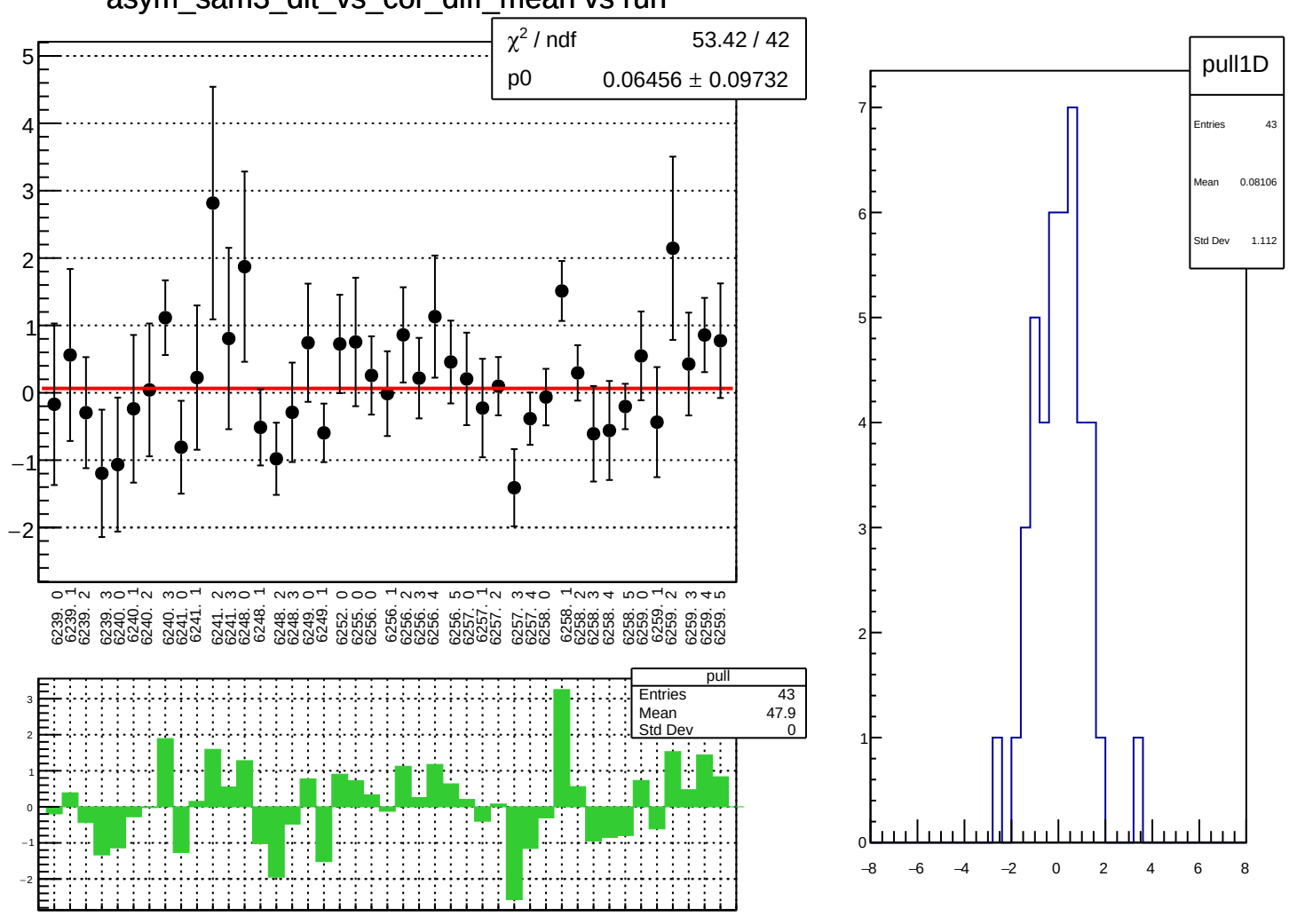

asym_sam3_mean vs run
χ² / ndf 42.35 / 42
p0 2654 ± 2691
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.1
Std Dev 0
2
1
0
−1
−2
−3

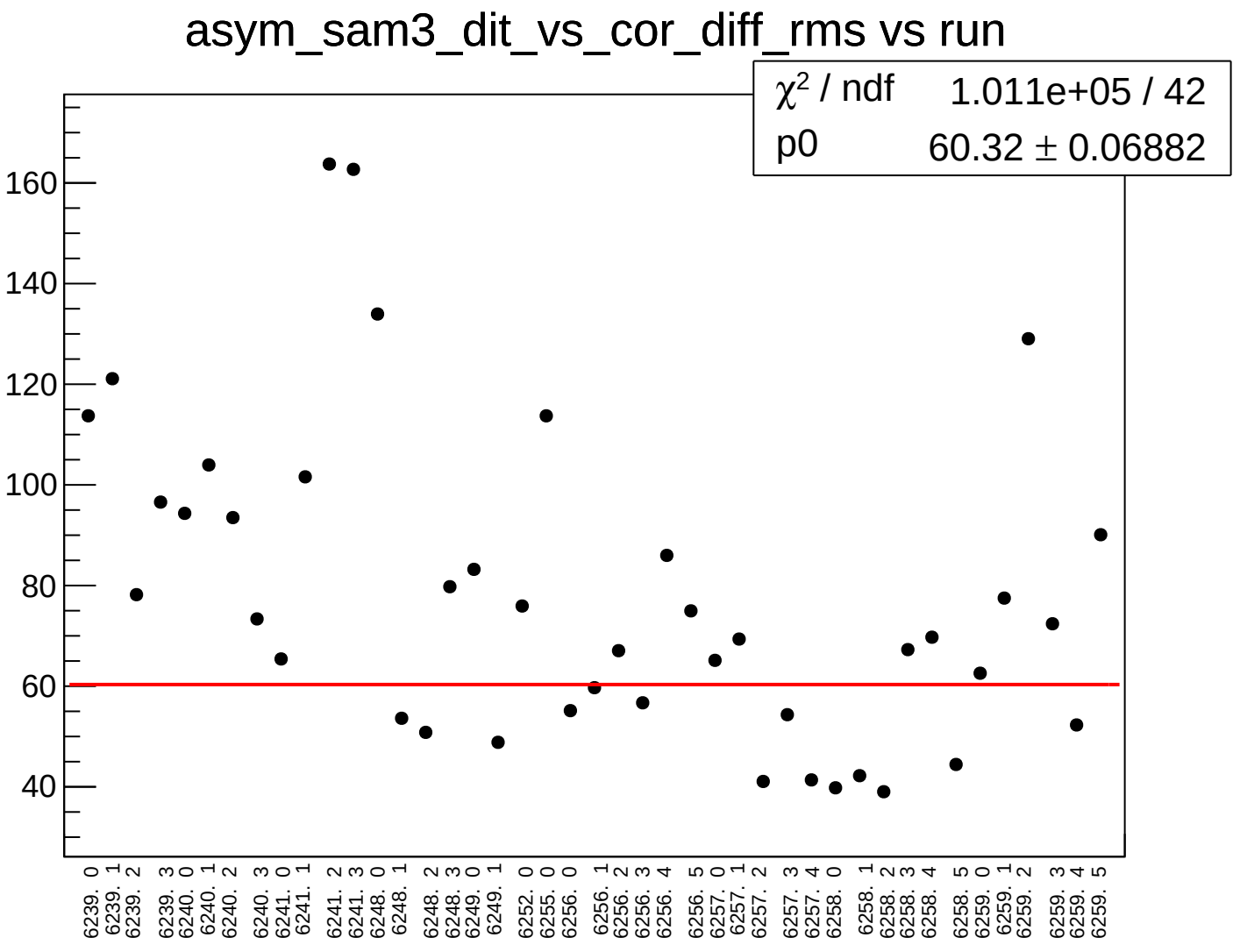

pull1D
Entries 43
Mean 0.04491
Std Dev 0.9915
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

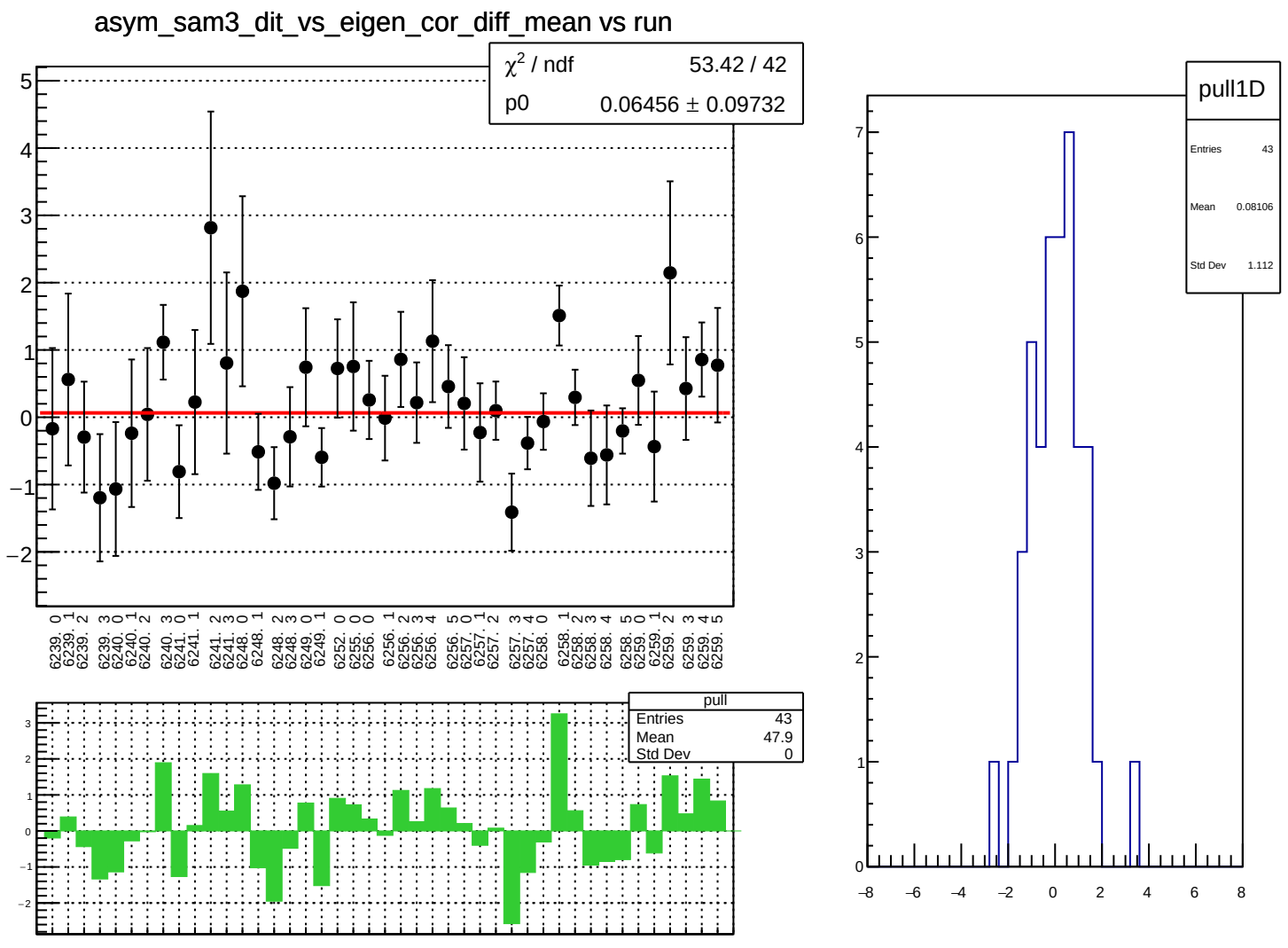

asym_sam3_rms vs run
χ² / ndf 6294 / 42
p0 1768 ± 1.903
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

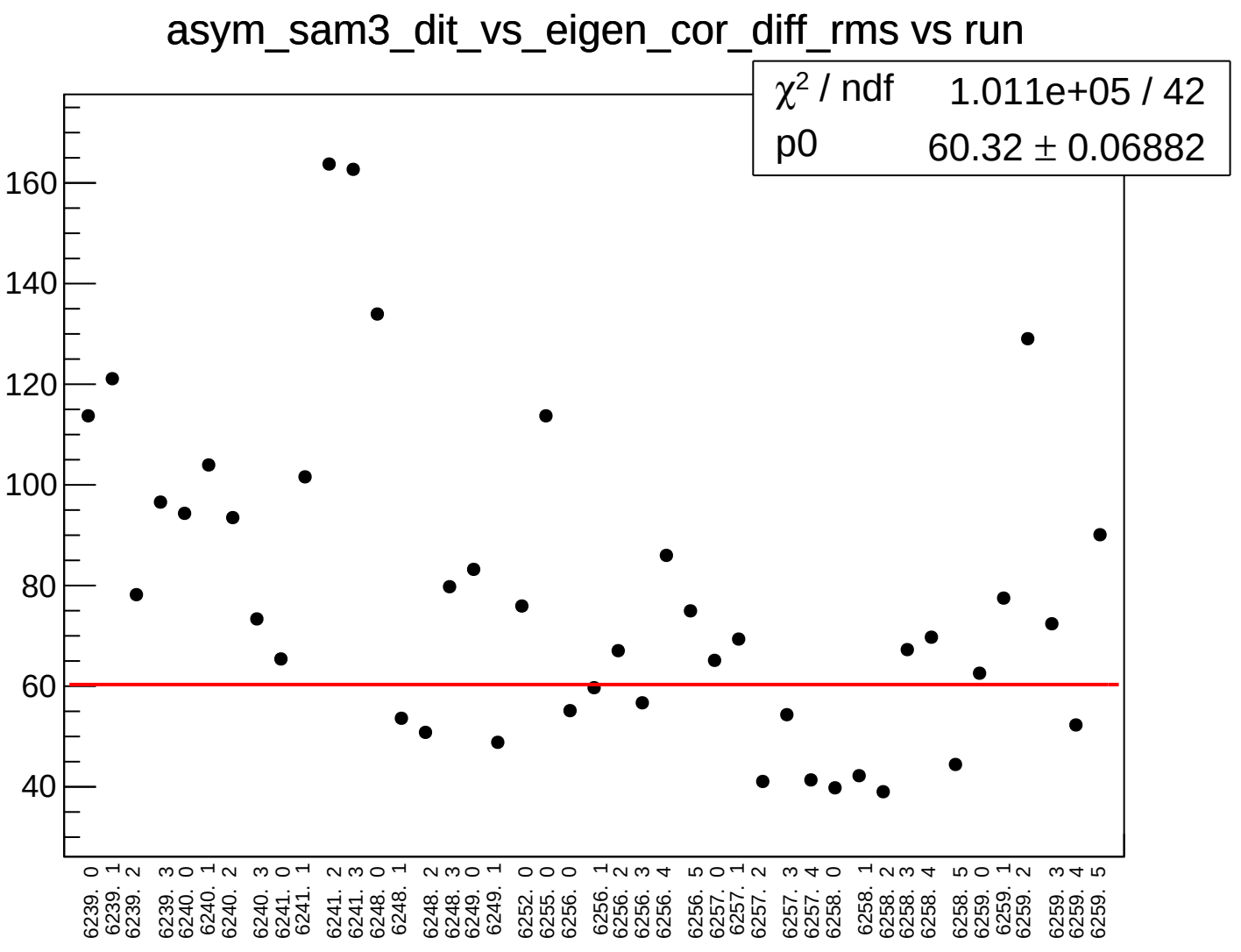

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 39.43 / 42
p0 1.485e−13 ± 1.929e−13
0.006
0.005
0.004
0.003
0.002
0.001
0
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1999
Std Dev 0.9366
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

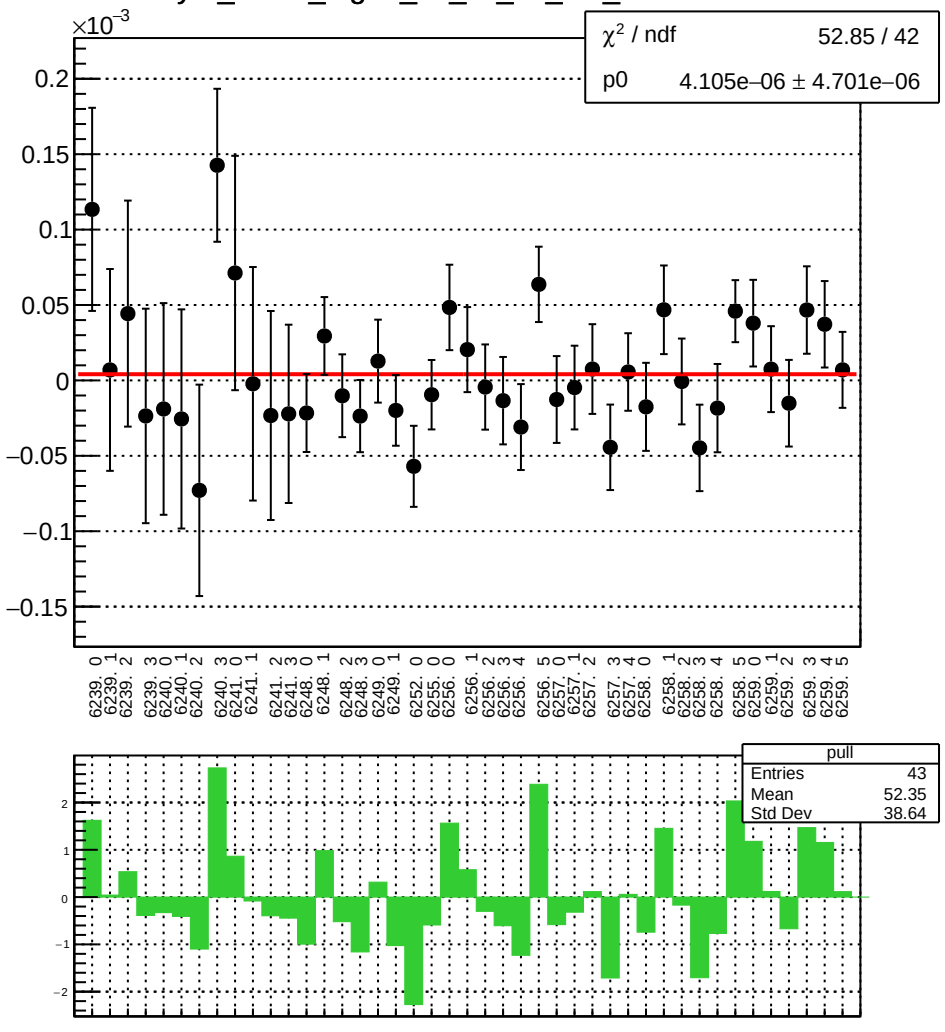

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 6.772e+05 / 42
p0 5.982e−11 ± 1.364e−13
0.25
0.2
0.15
0.1
0.05
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

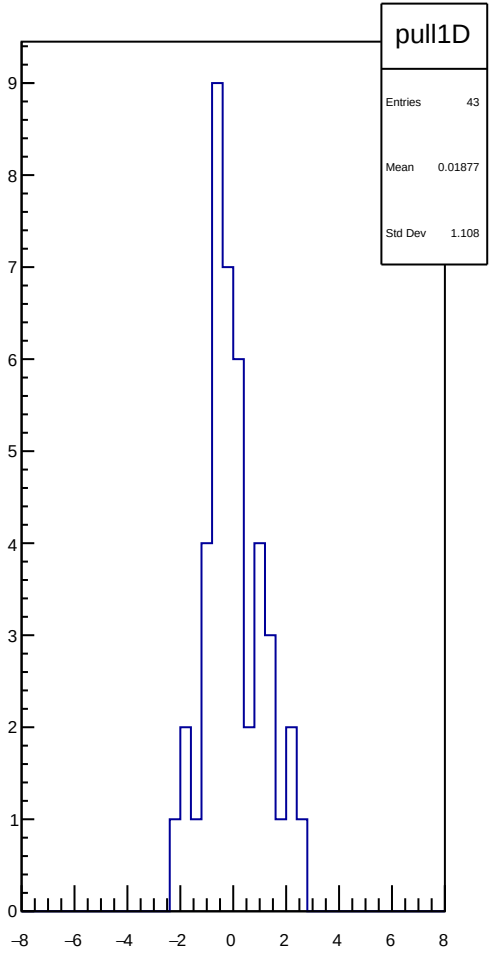

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 53.42 / 42
p0 0.06456 ± 0.09732
pull
Entries 43
Mean 47.9
Std Dev 0
pull1D
Entries 43
Mean 0.08106
Std Dev 1.112

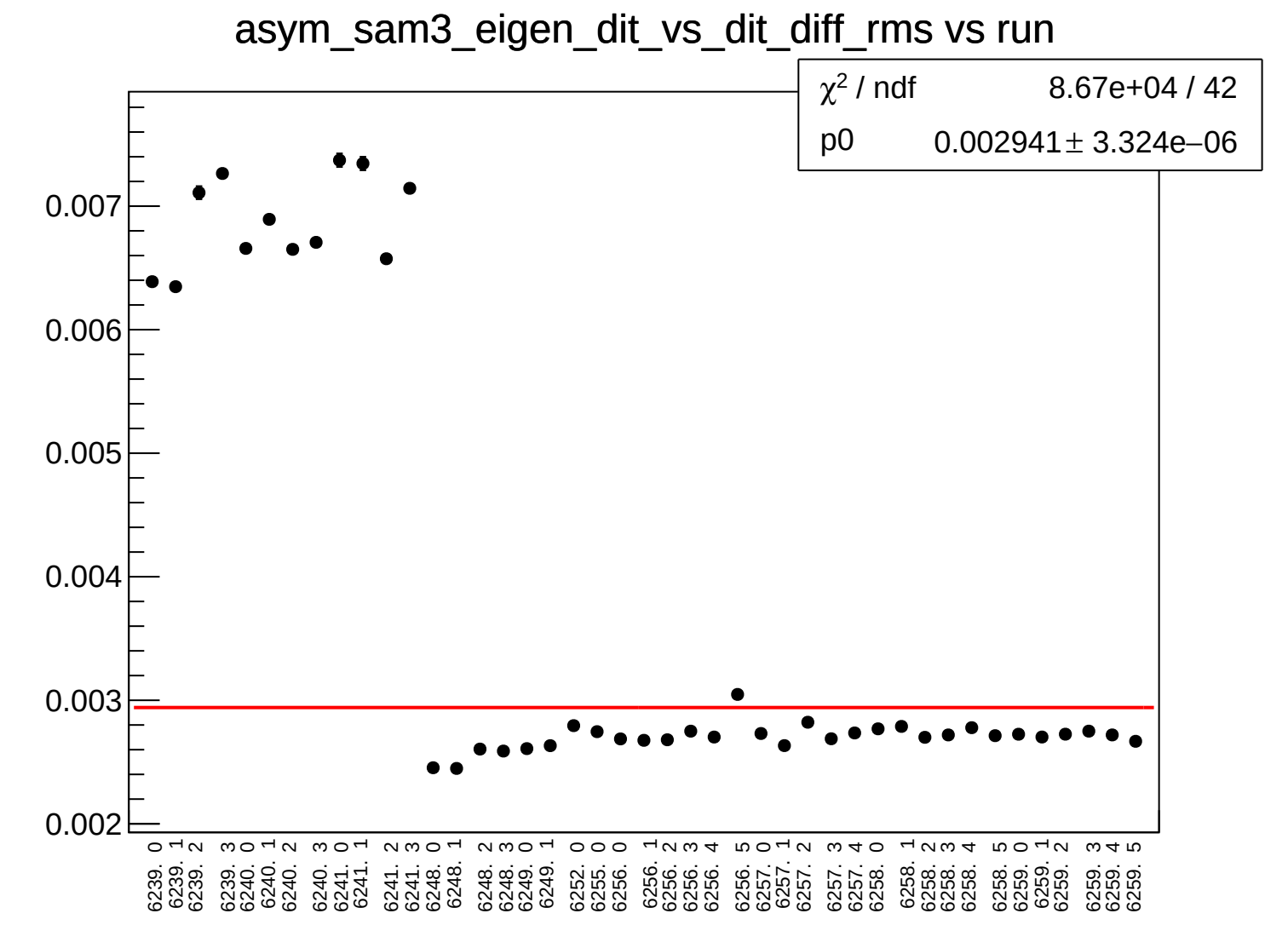

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.011e+05 / 42
p0 60.32 ± 0.06882
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

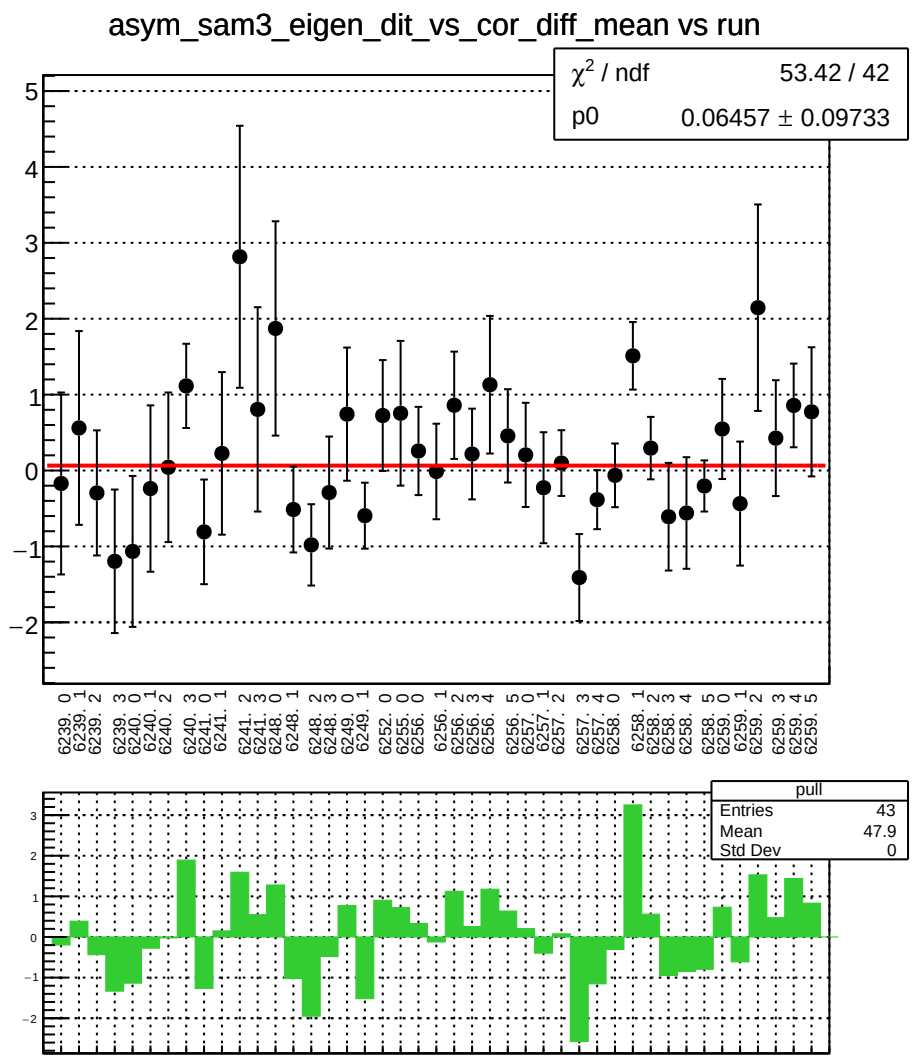

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.42 / 42
p0 0.06456 ± 0.09732
pull
Entries 43
Mean 47.9
Std Dev 0
pull1D
Entries 43
Mean 0.08106
Std Dev 1.112

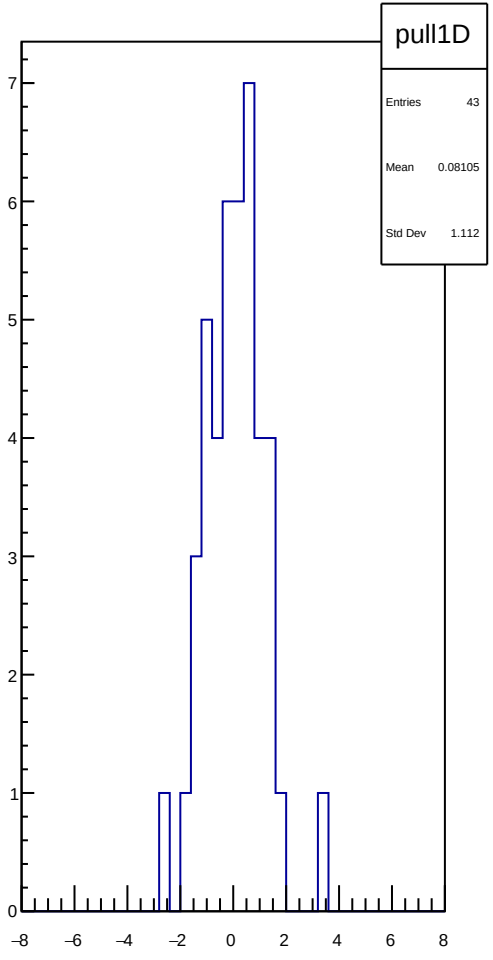

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.011e+05 / 42
p0 60.32 ± 0.06882
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

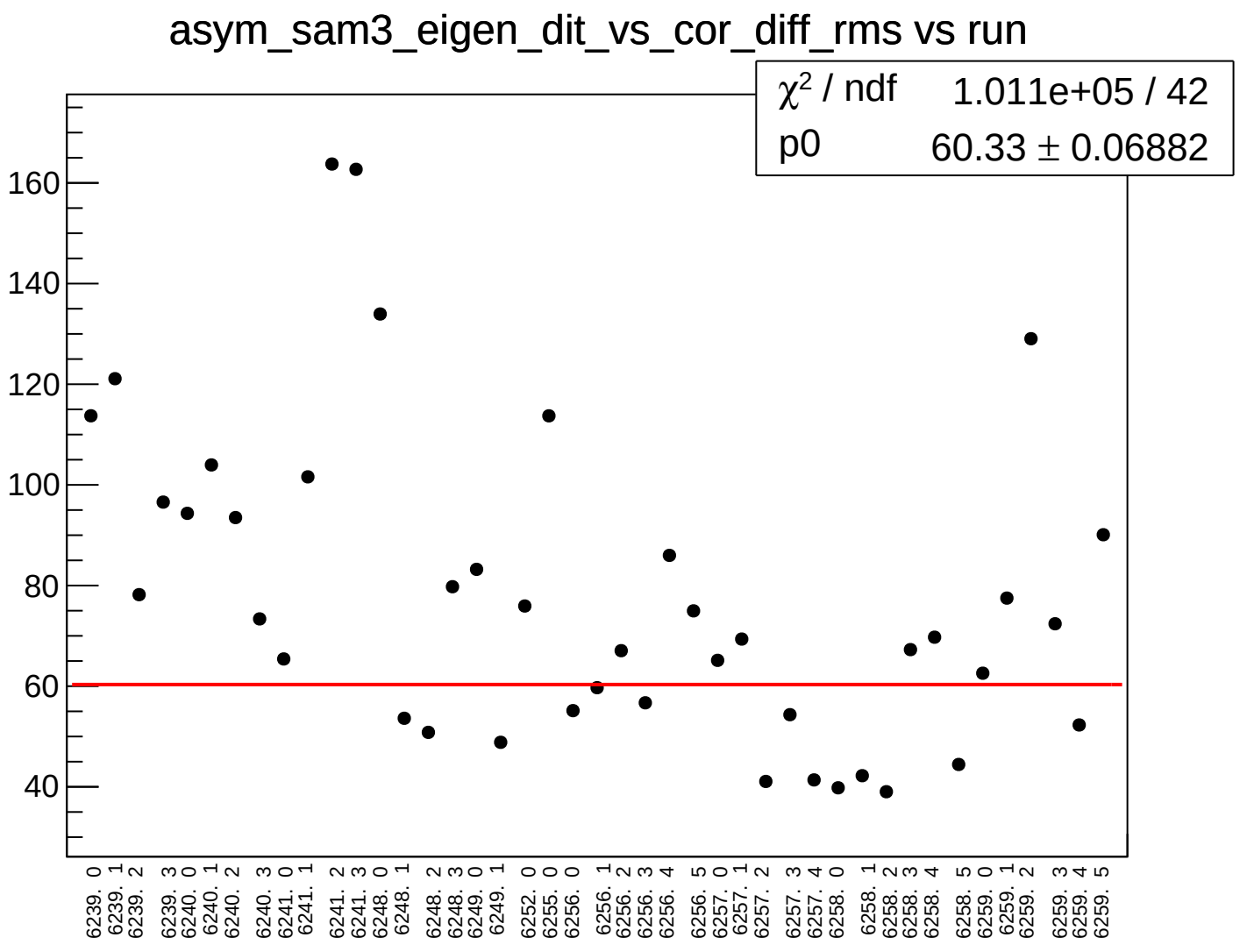

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.85 / 42
p0 4.105e−06 ± 4.701e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 52.35
Std Dev 38.64
2
1
0
−1
−2

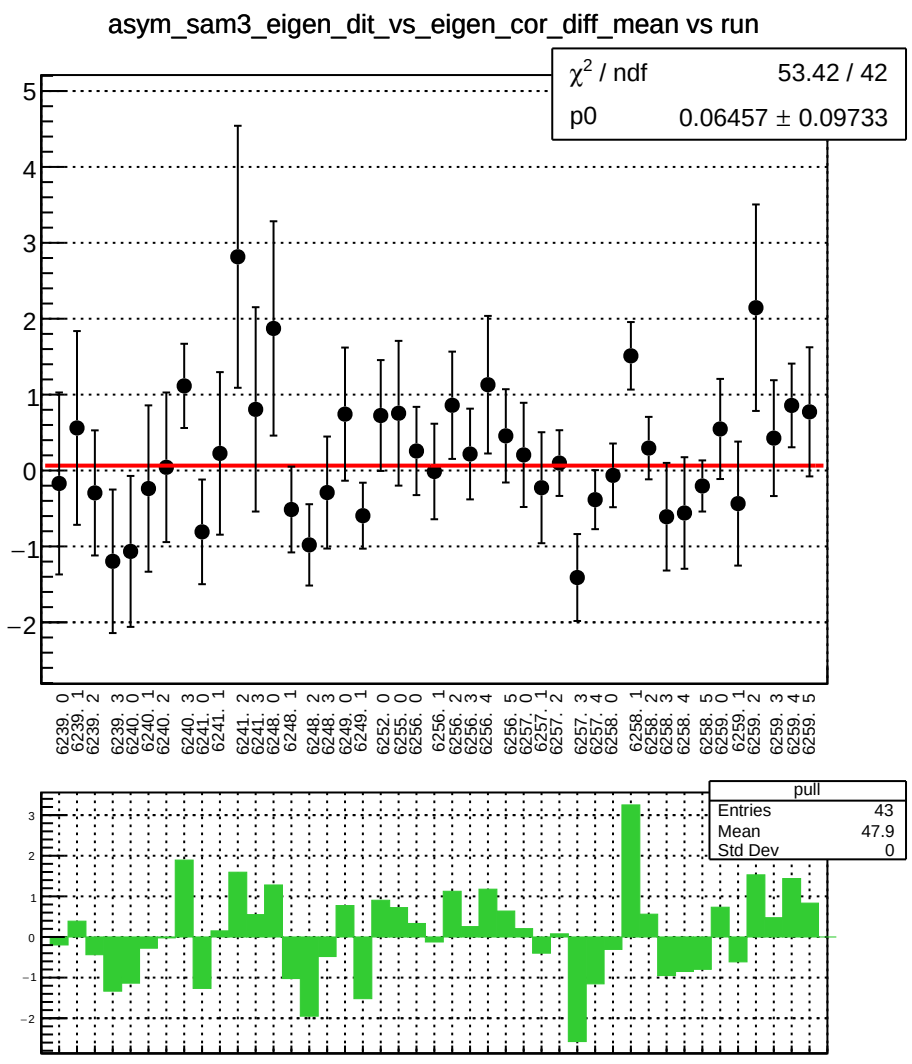

pull1D
Entries 43
Mean 0.01877
Std Dev 1.108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

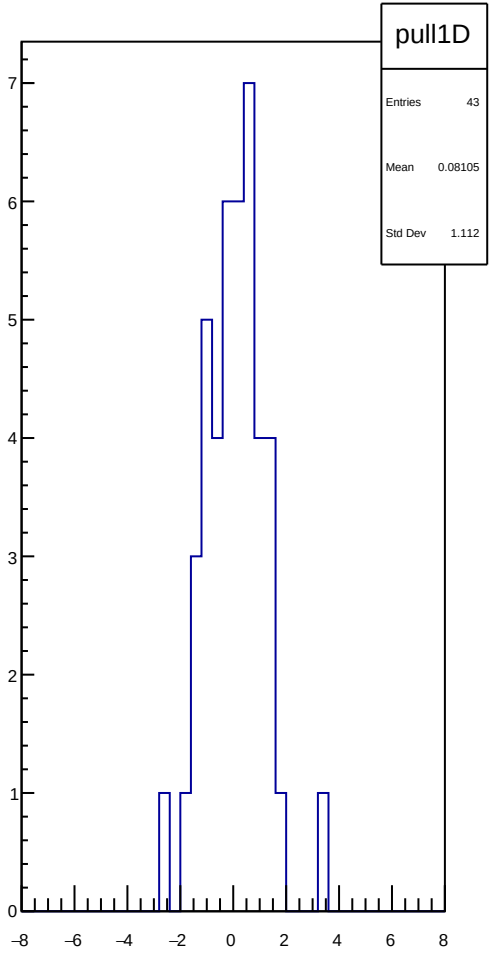

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.67e+04 / 42
p0 0.002941 ± 3.324e−06
0.007
0.006
0.005
0.004
0.003
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

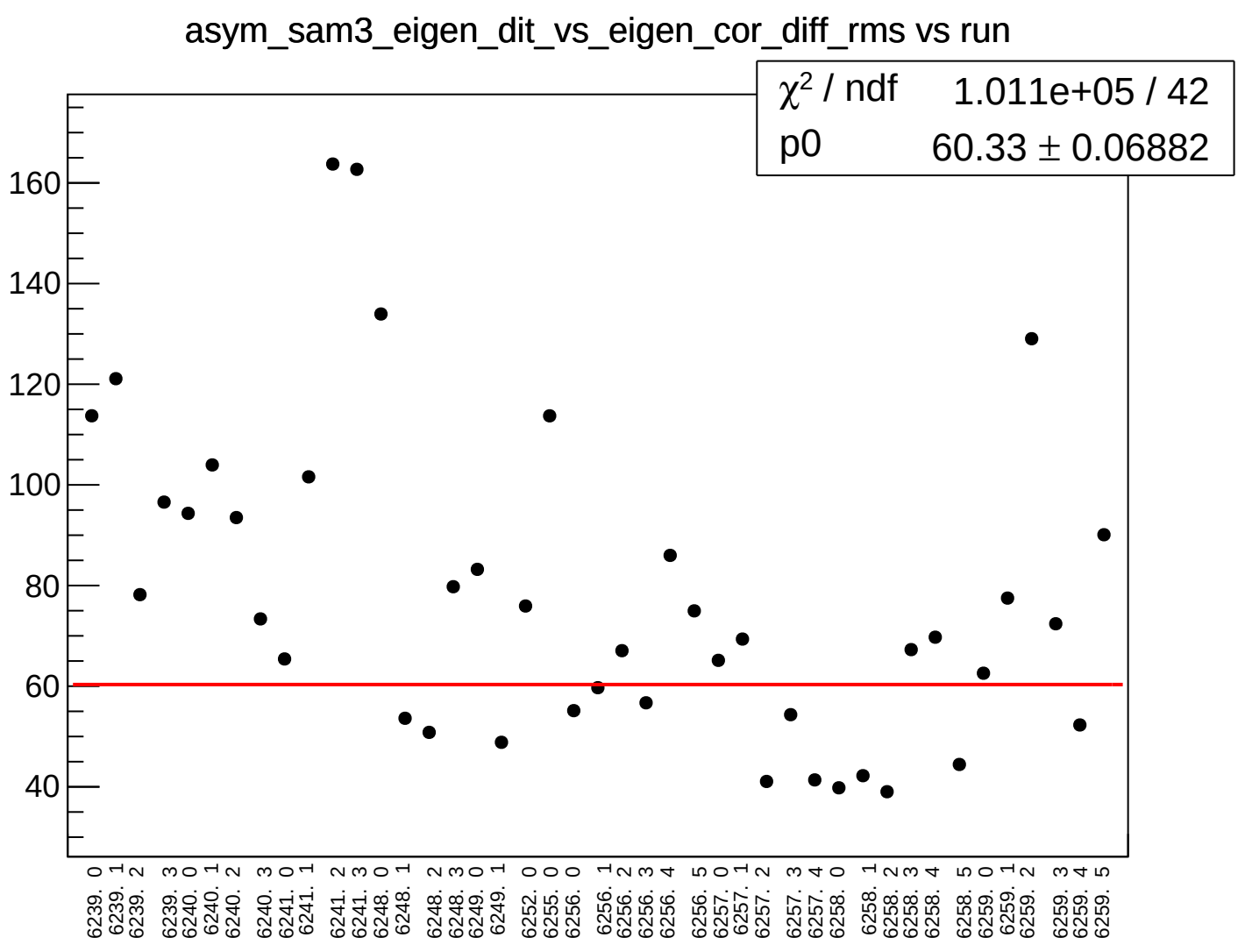

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.42 / 42
p0 0.06457 ± 0.09733
pull
Entries 43
Mean 47.9
Std Dev 0

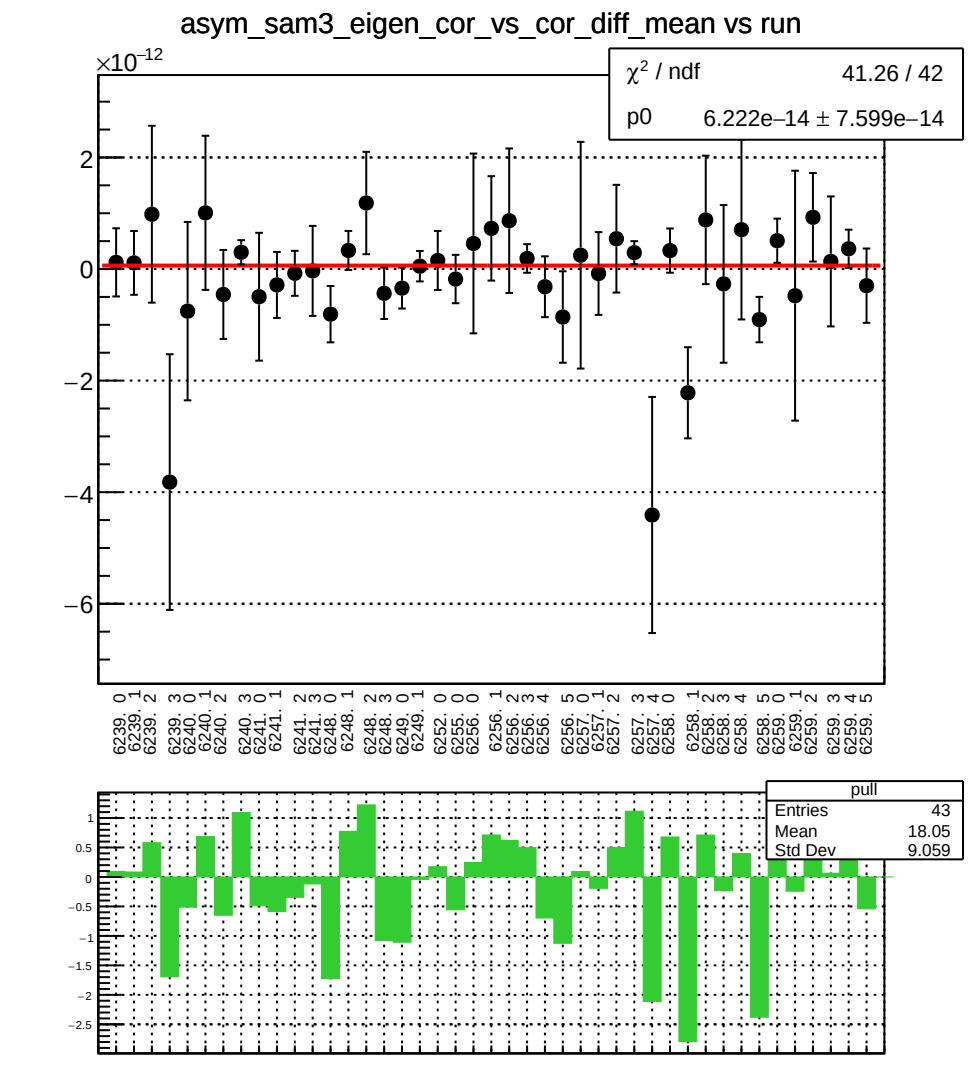

pull1D
Entries 43
Mean 0.08105
Std Dev 1.112

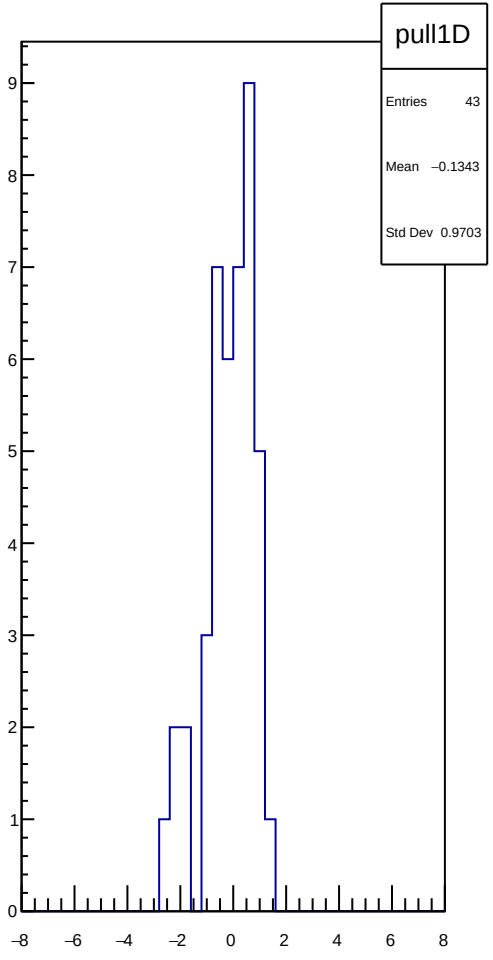

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.011e+05 / 42
p0 60.33 ± 0.06882
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

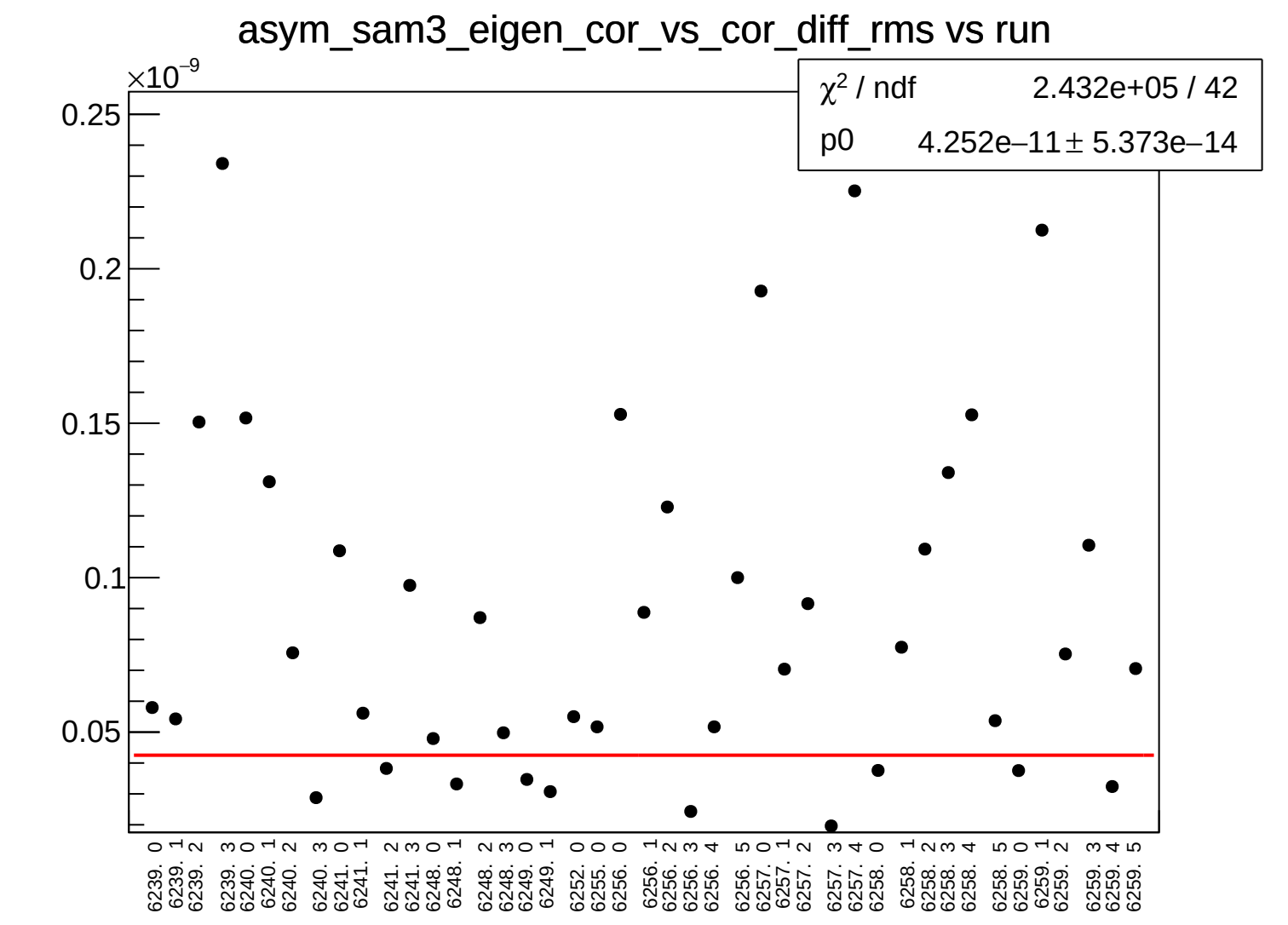

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.42 / 42
p0 0.06457 ± 0.09733
pull
Entries 43
Mean 47.9
Std Dev 0

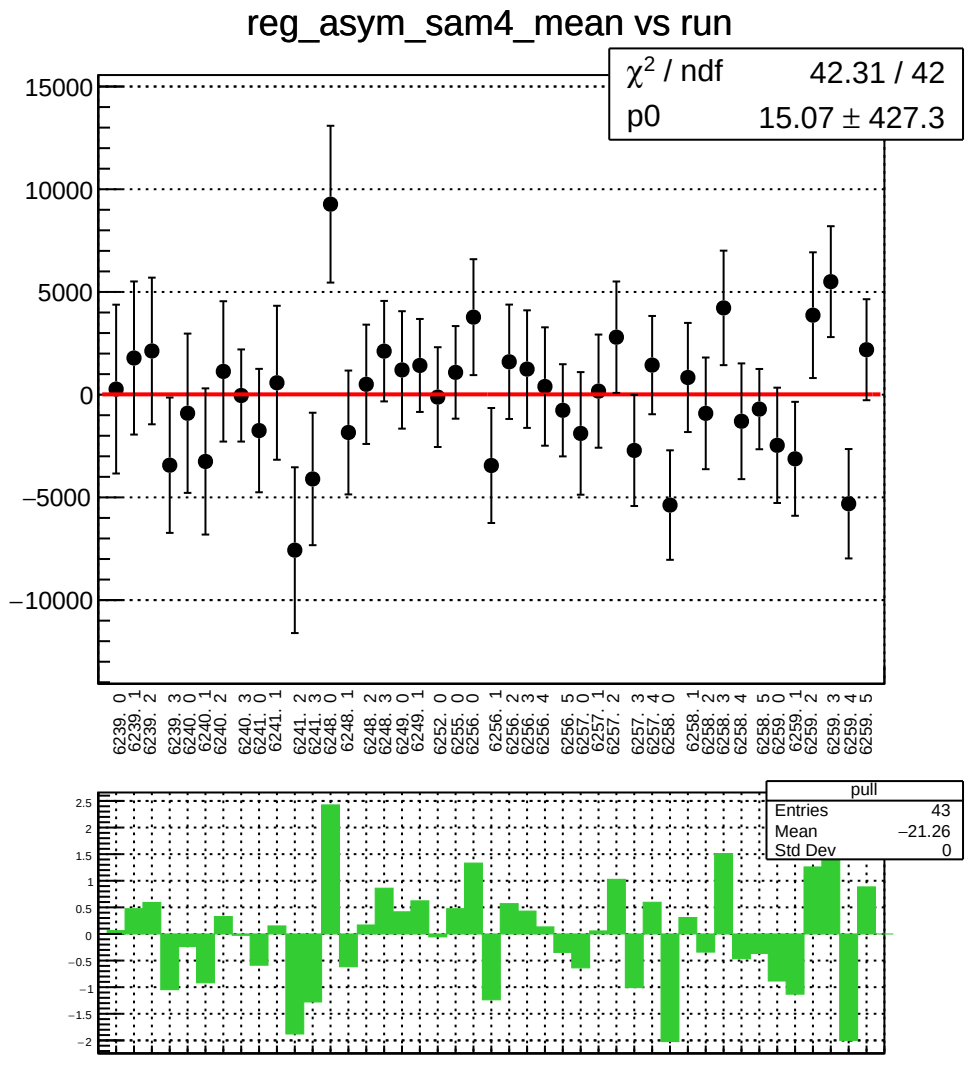

pull1D
Entries 43
Mean 0.08105
Std Dev 1.112

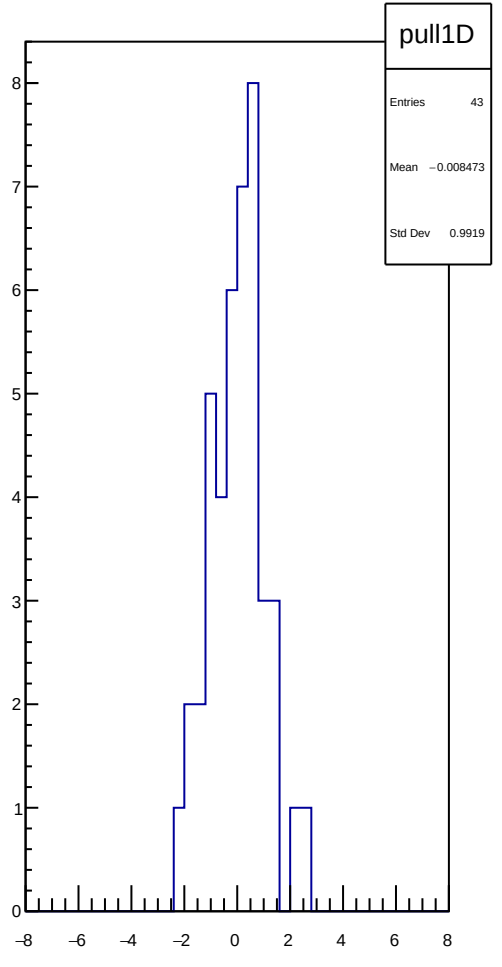

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.011e+05 / 42
p0 60.33 ± 0.06882
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

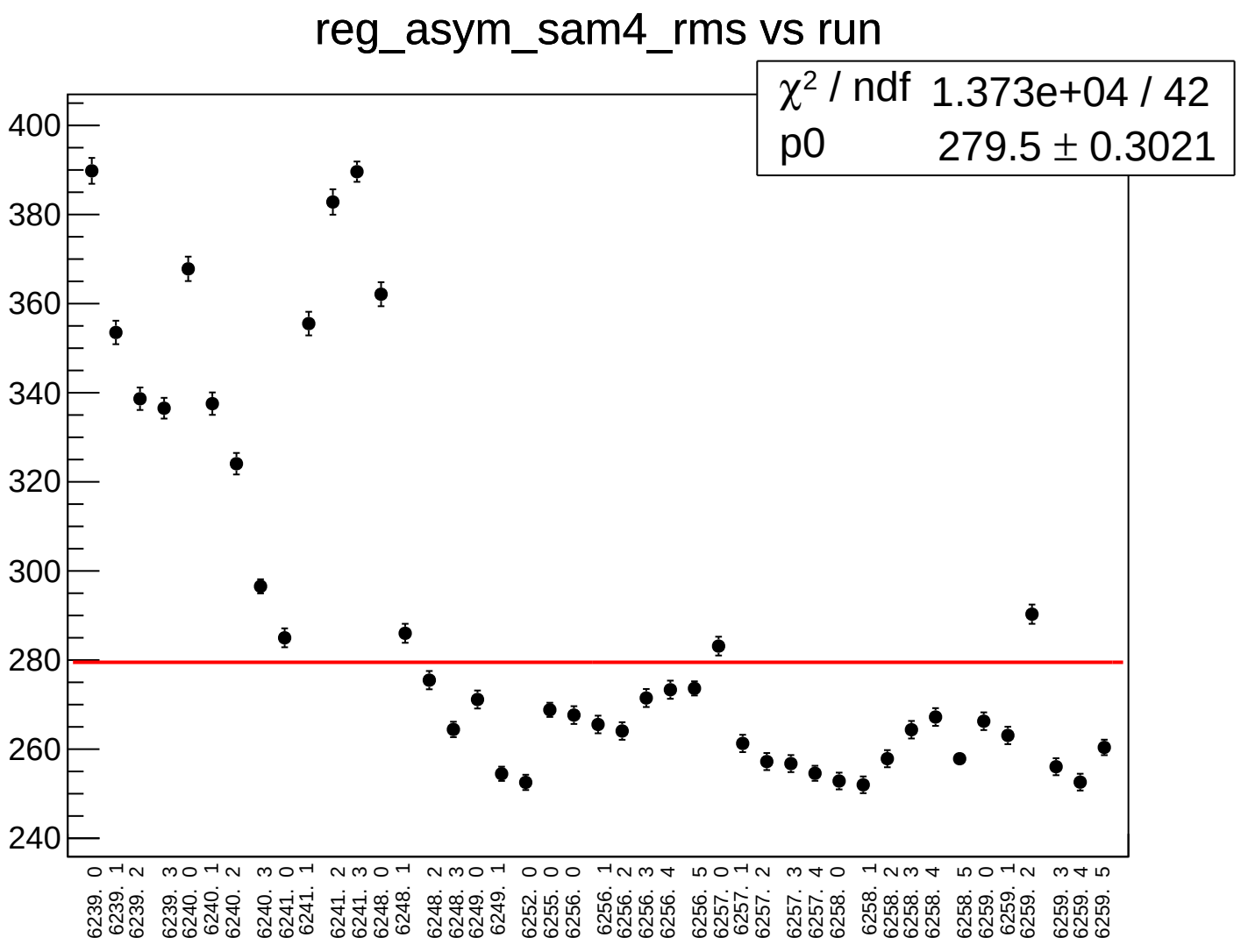

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.26 / 42
p0 6.222e−14 ± 7.599e−14
2
0
−2
−4
−6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.05
Std Dev 9.059
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

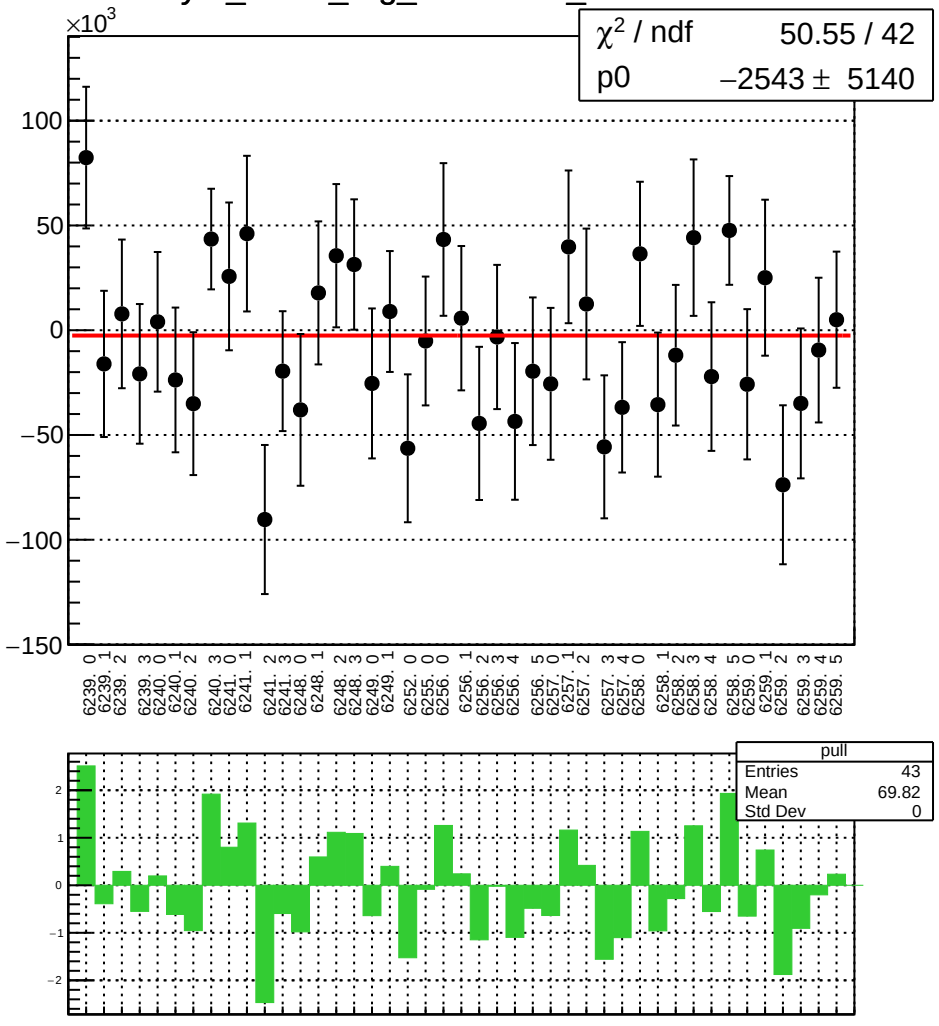

pull1D
Entries 43
Mean −0.1343
Std Dev 0.9703
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

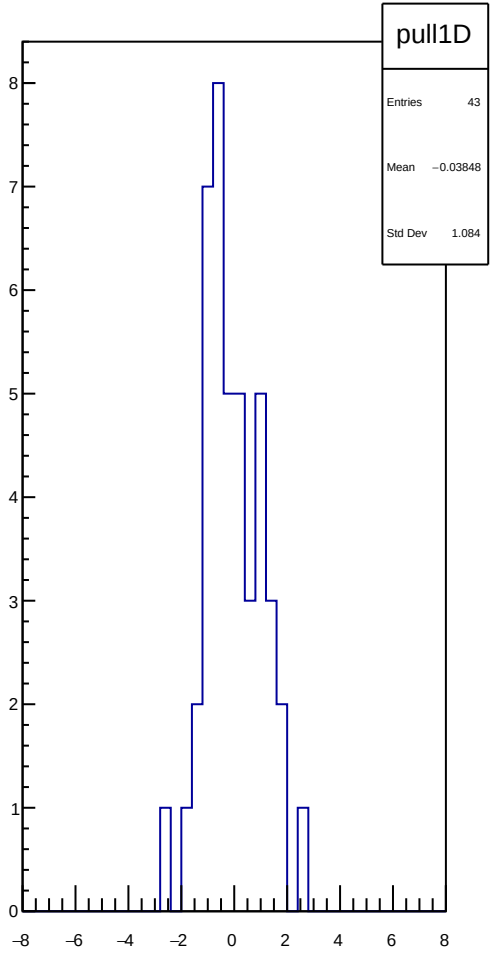

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.432e+05 / 42
p0 4.252e−11 ± 5.373e−14
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

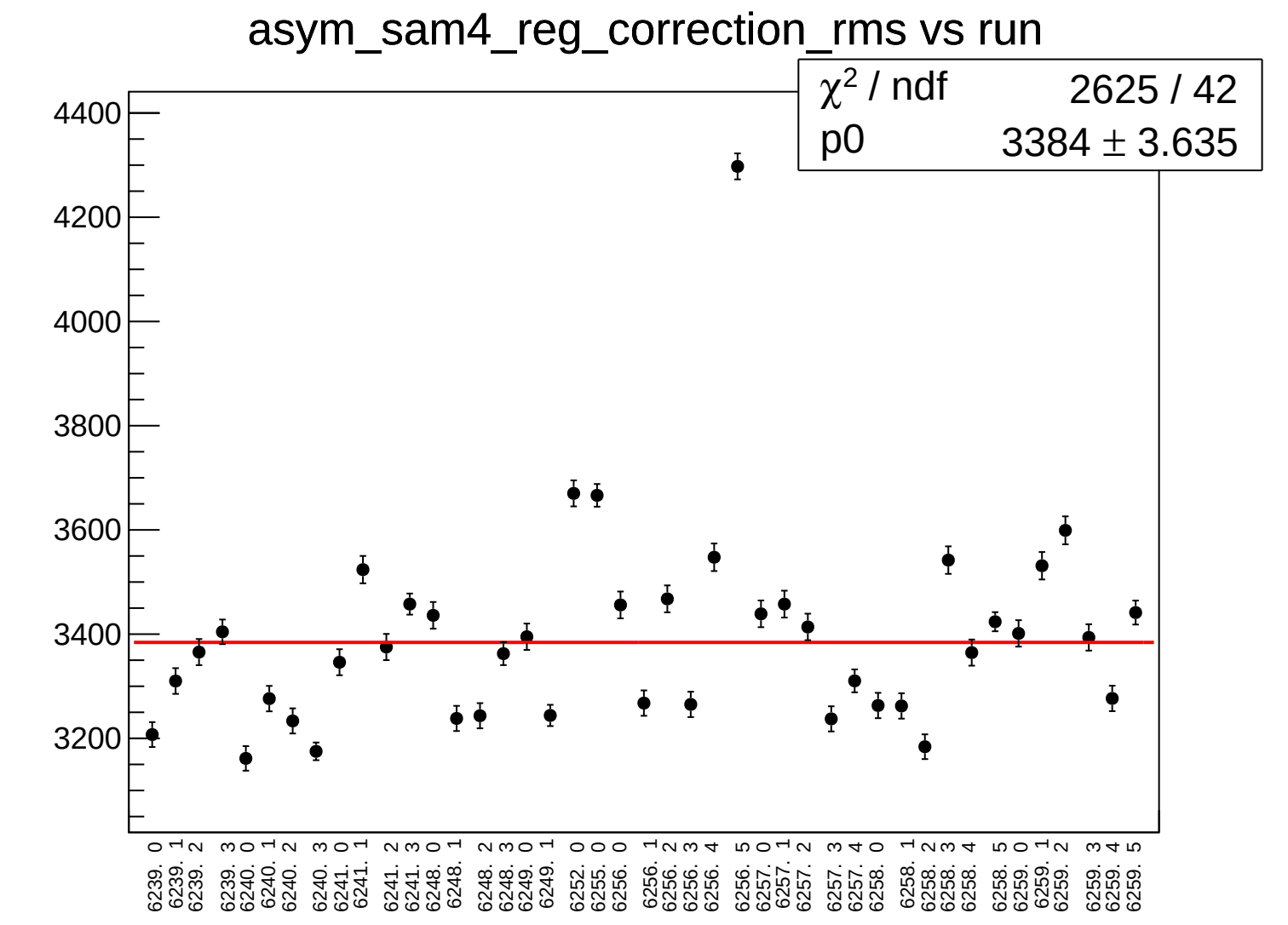

reg_asym_sam4_mean vs run
χ² / ndf 42.31 / 42
p0 15.07 ± 427.3
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −21.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

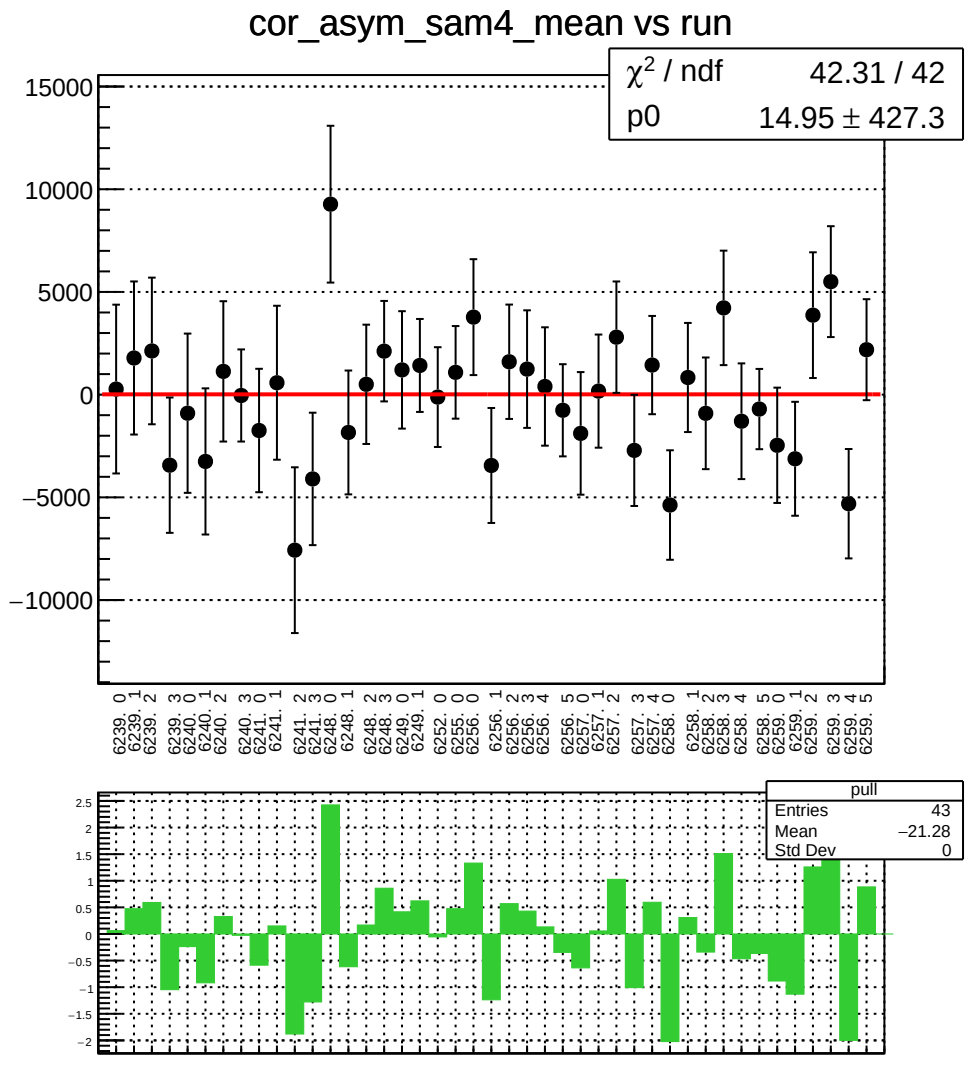

pull1D
Entries 43
Mean −0.008473
Std Dev 0.9919
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

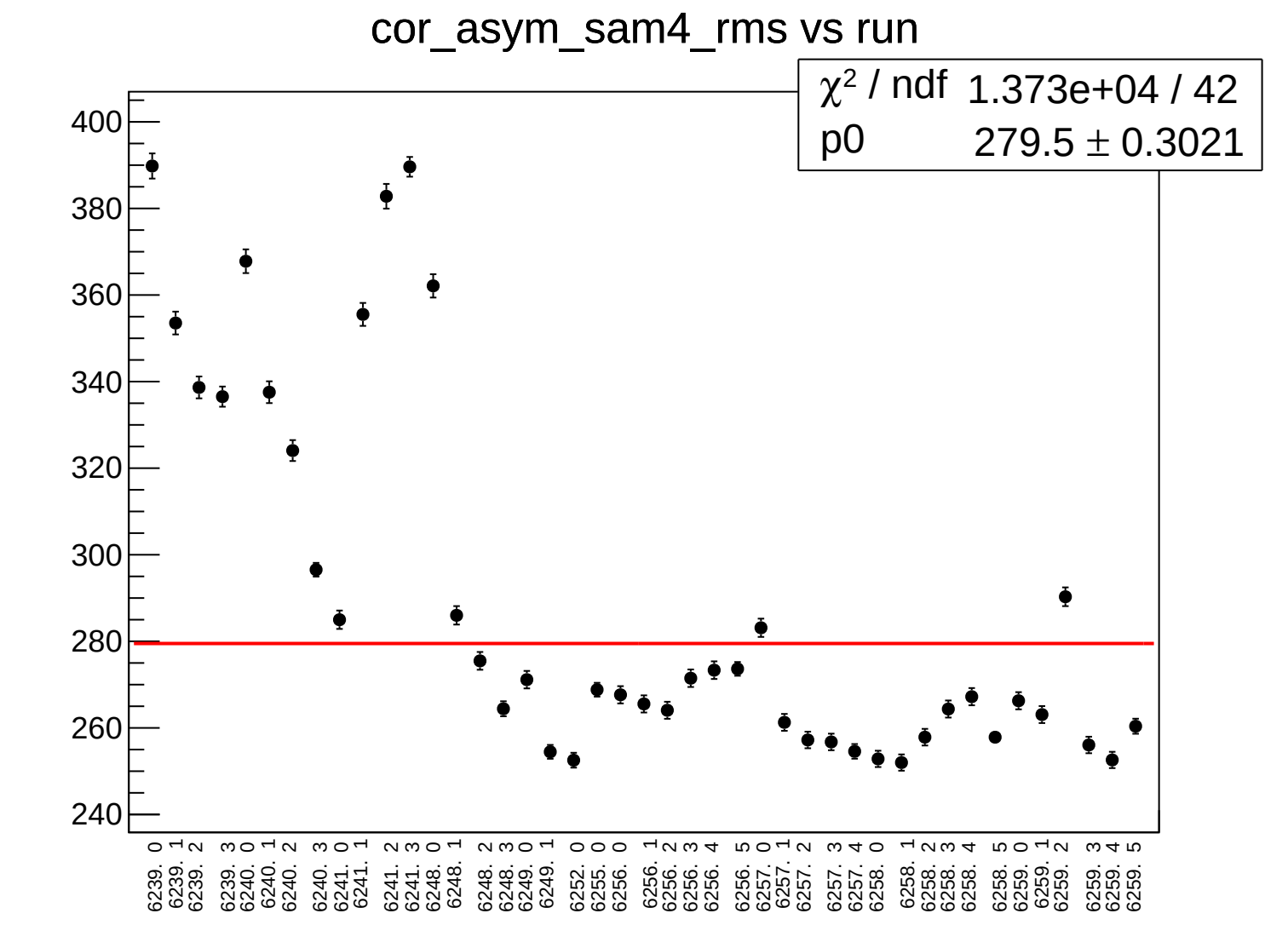

reg_asym_sam4_rms vs run
χ² / ndf 1.373e+04 / 42
p0 279.5 ± 0.3021
400
380
360
340
320
300
280
260
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

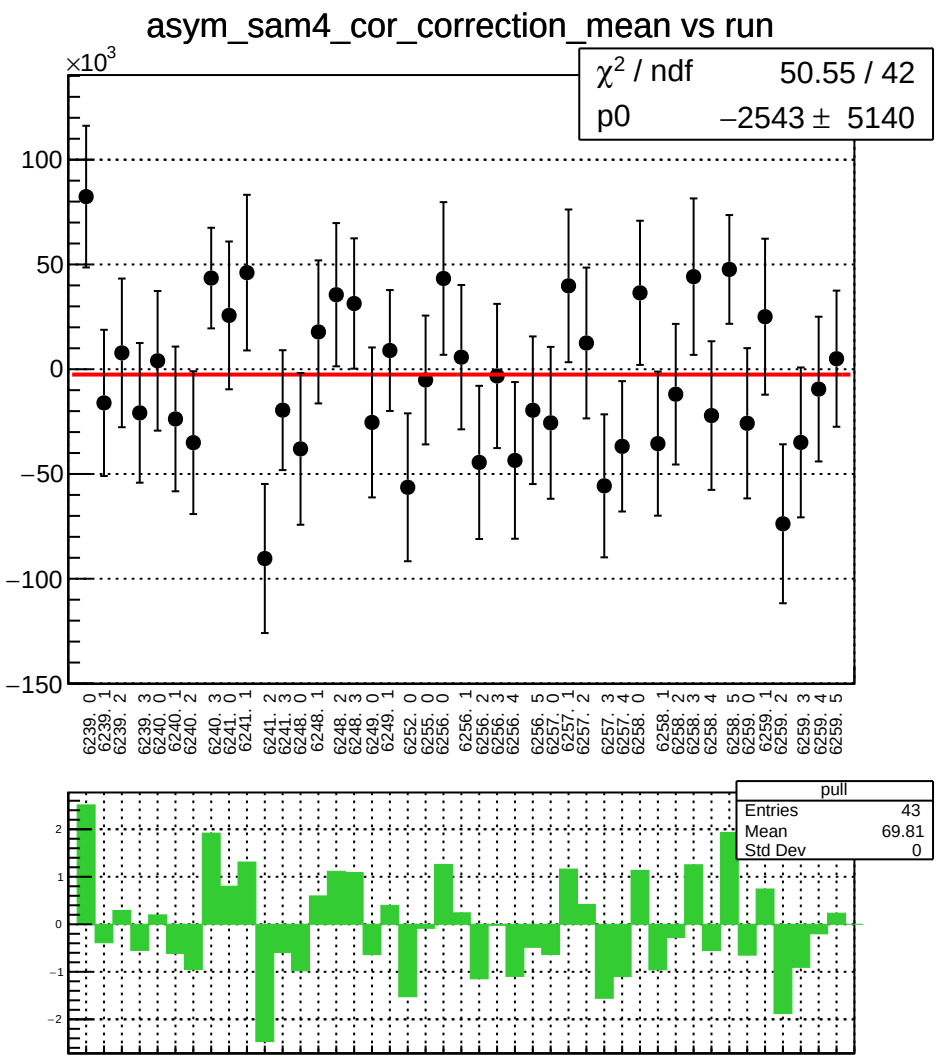

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 50.55 / 42
p0 −2543 ± 5140
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.82
Std Dev 0
2
1
0
−1
−2

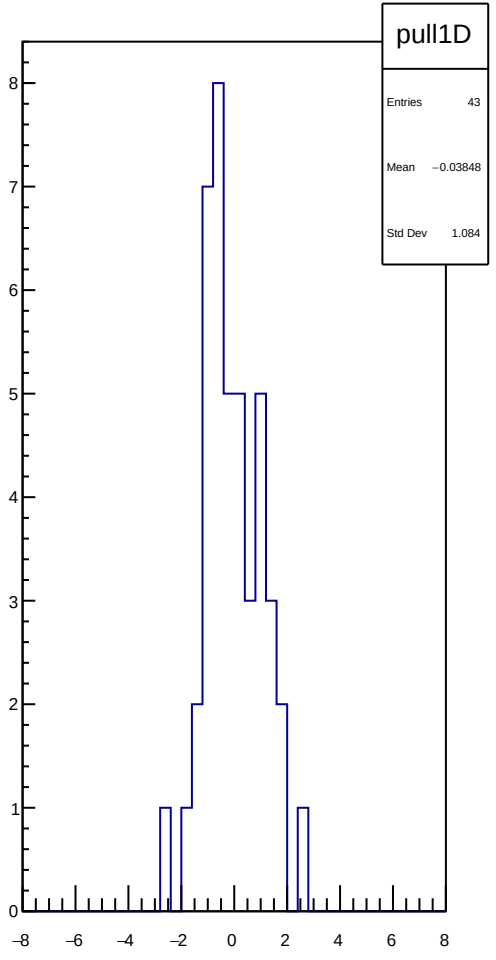

pull1D
Entries 43
Mean −0.03848
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

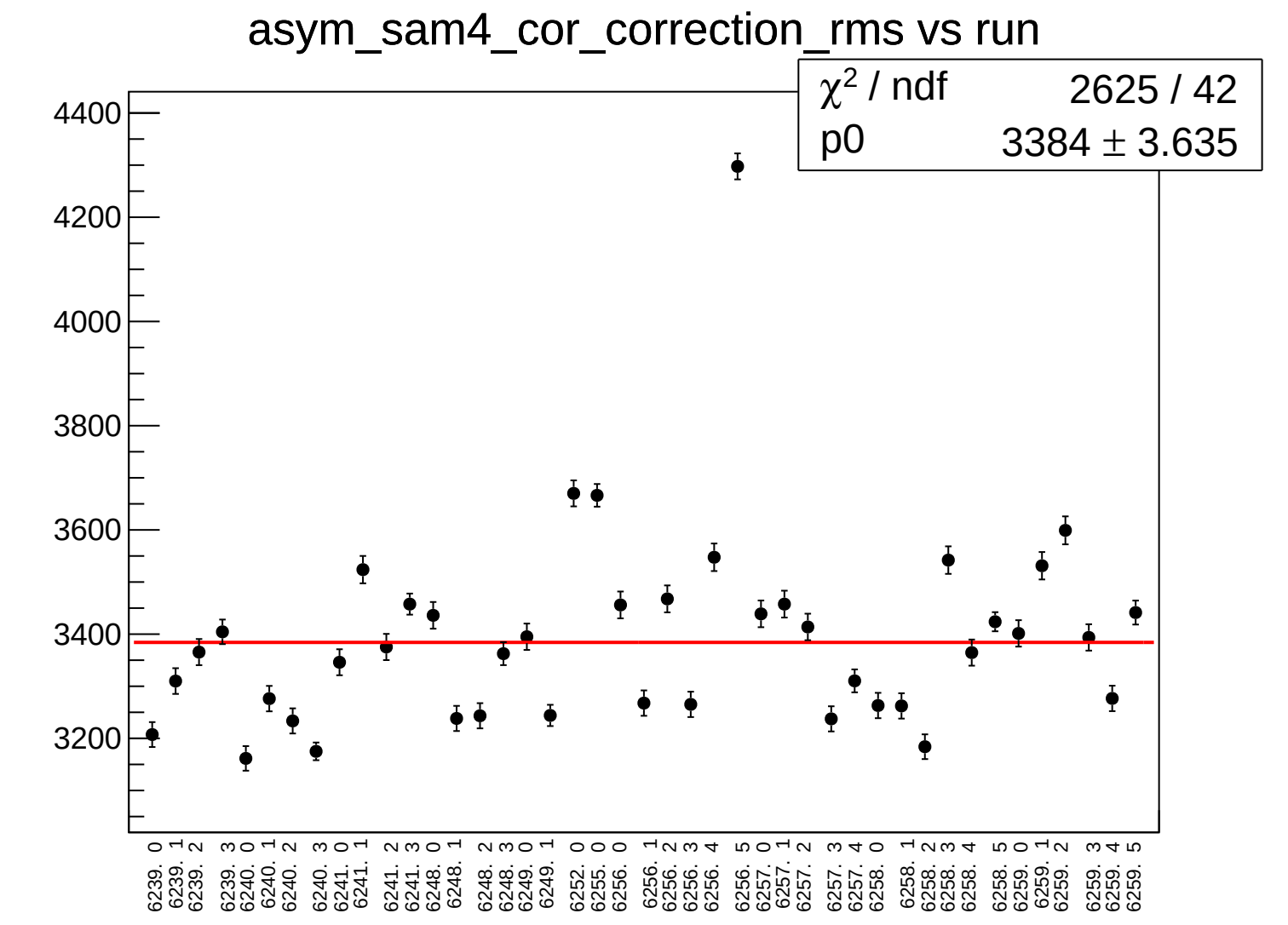

asym_sam4_reg_correction_rms vs run
χ² / ndf 2625 / 42
p0 3384 ± 3.635
4400
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

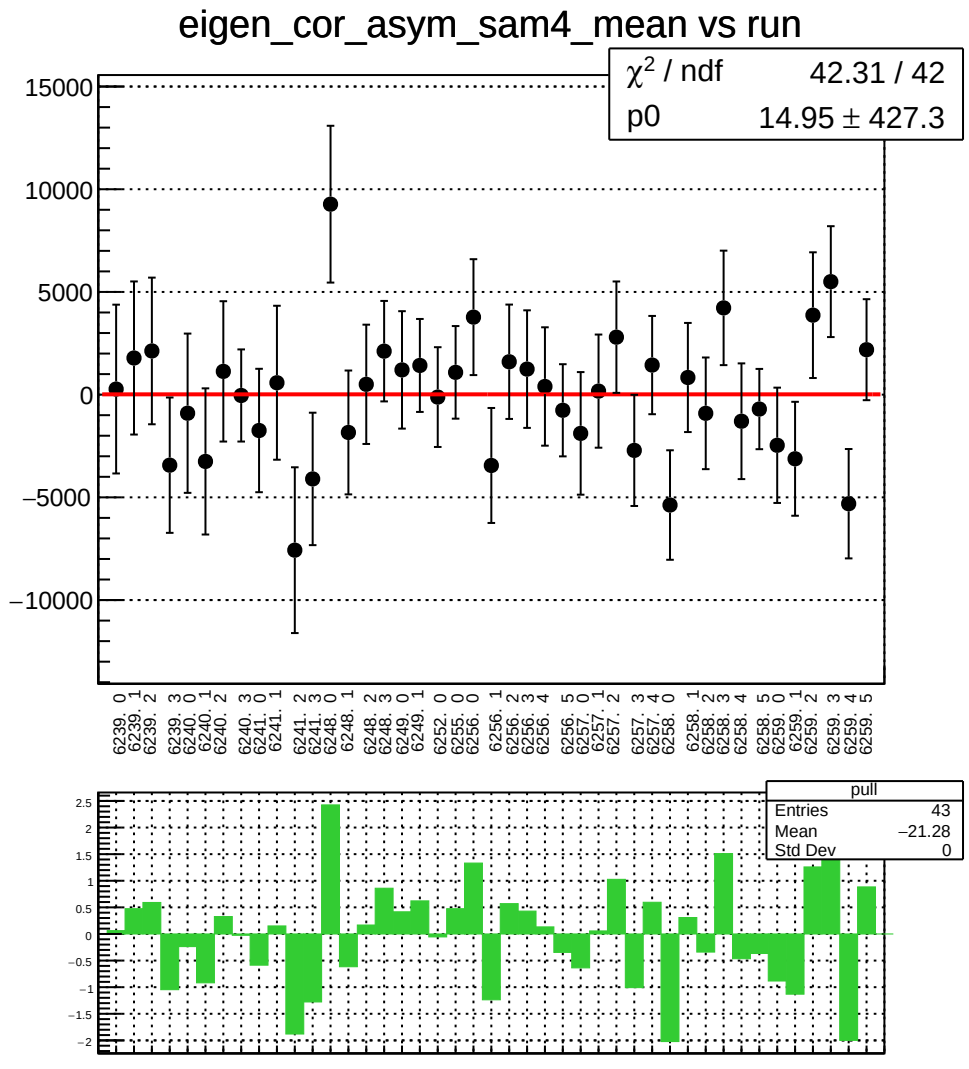

cor_asym_sam4_mean vs run
χ² / ndf 42.31 / 42
p0 14.95 ± 427.3
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −21.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008479
Std Dev 0.9919
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

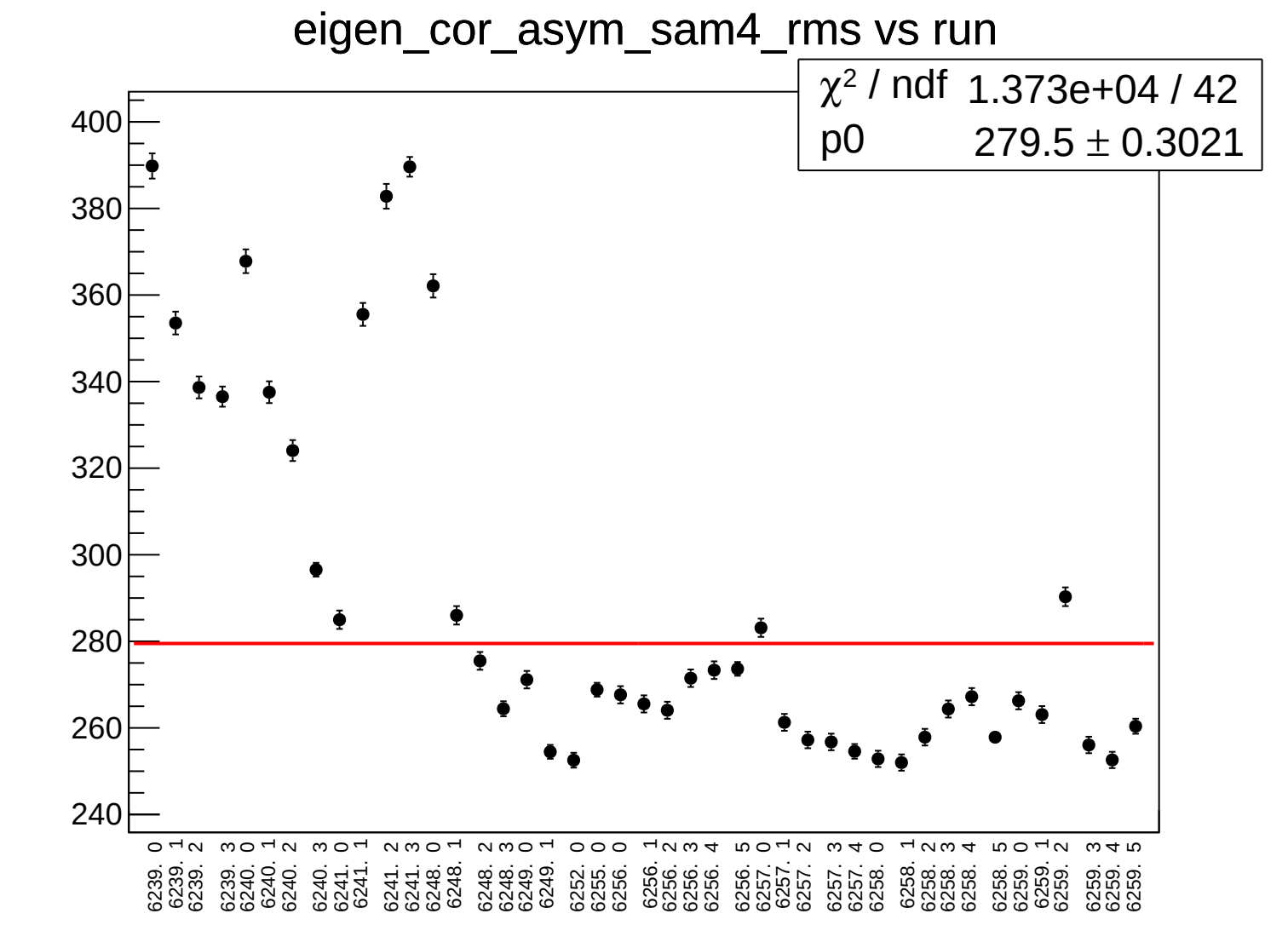

cor_asym_sam4_rms vs run
χ² / ndf 1.373e+04 / 42
p0 279.5 ± 0.3021
400
380
360
340
320
300
280
260
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 50.55 / 42
p0 −2543 ± 5140
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.81
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03848
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_cor_correction_rms vs run
χ² / ndf 2625 / 42
p0 3384 ± 3.635
4400
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam4_mean vs run
χ² / ndf 42.31 / 42
p0 14.95 ± 427.3
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −21.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.008479
Std Dev 0.9919
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam4_rms vs run
χ² / ndf 1.373e+04 / 42
p0 279.5 ± 0.3021
400
380
360
340
320
300
280
260
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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6257. 0
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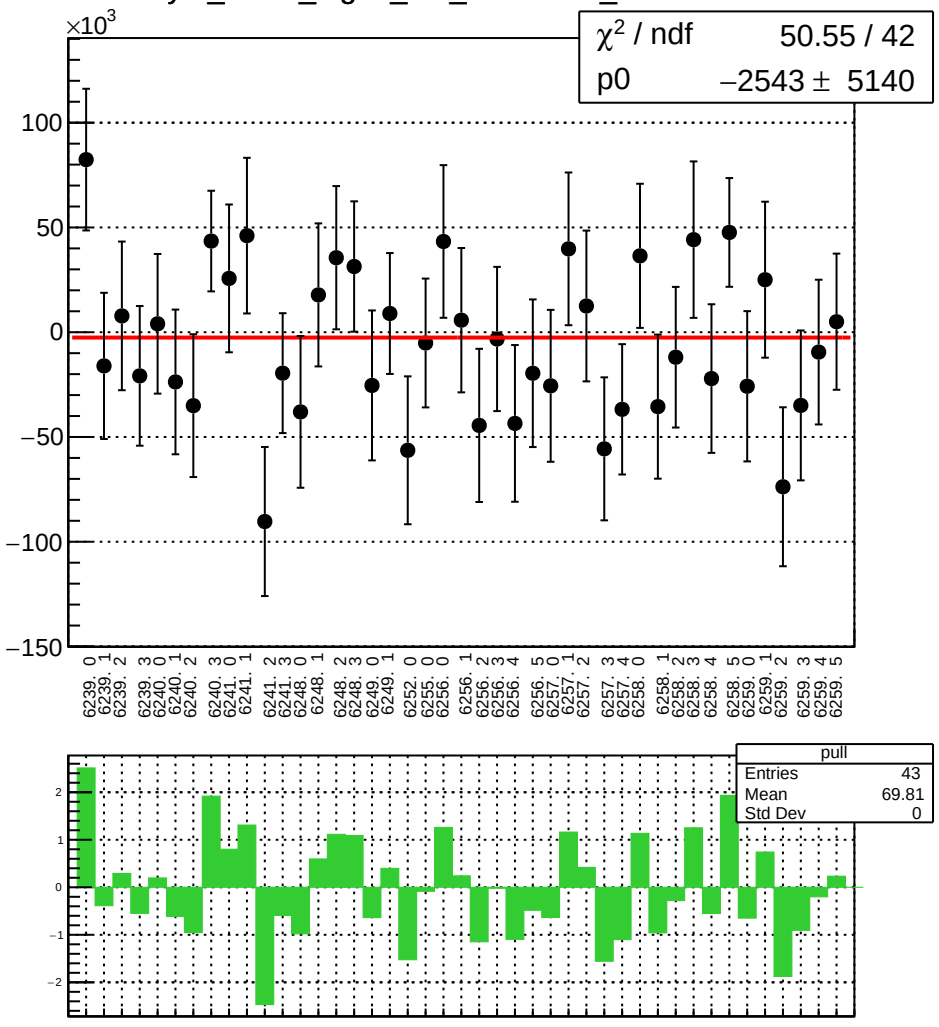
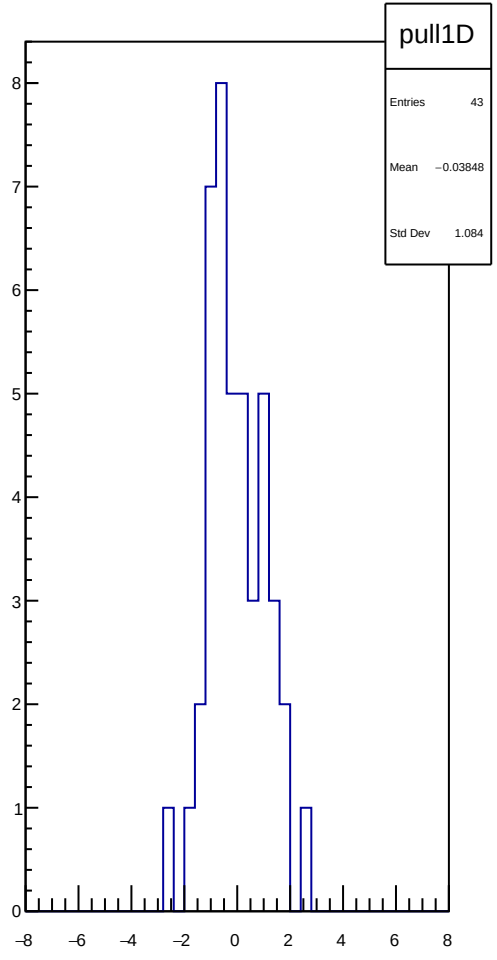
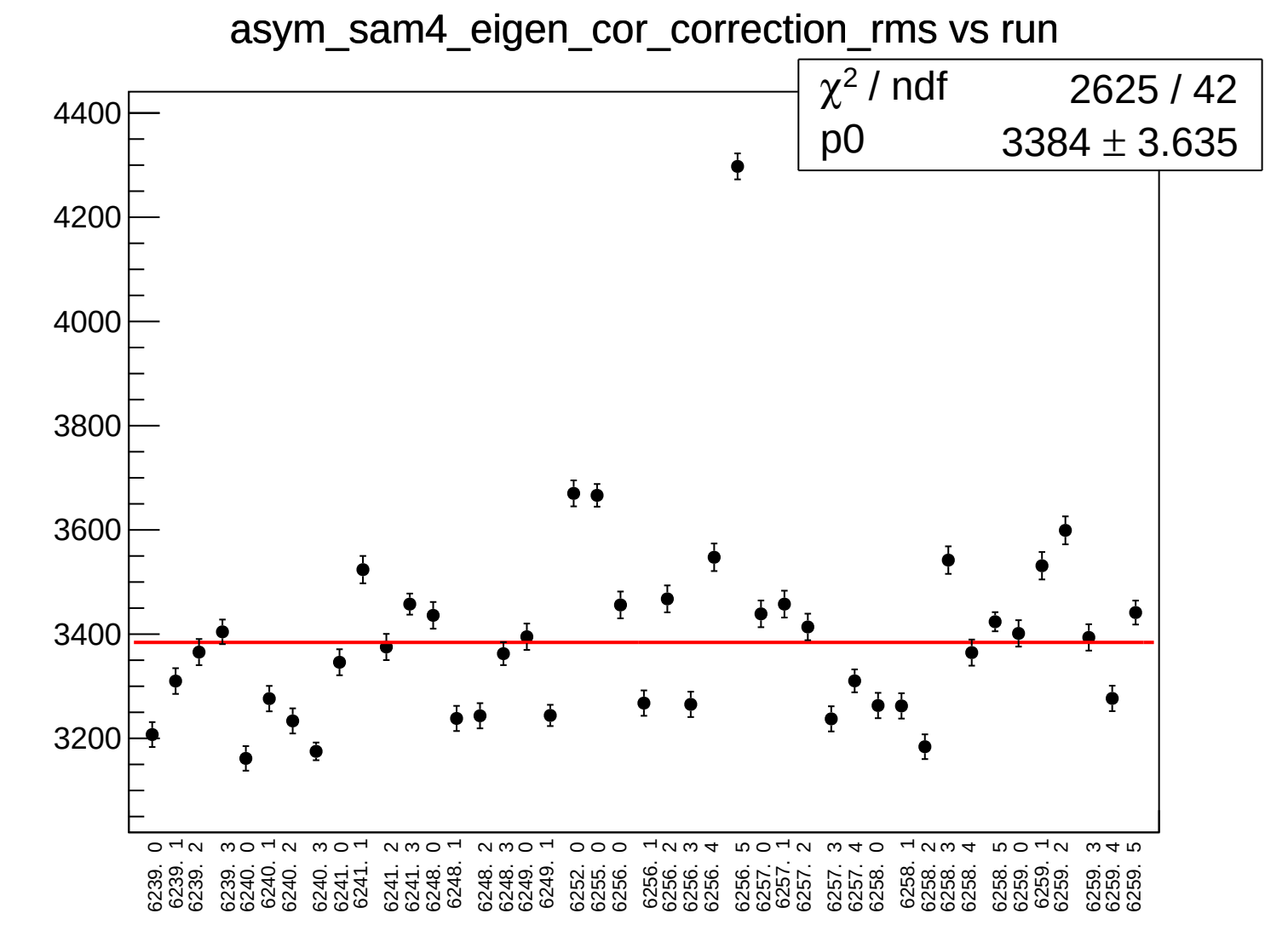
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.55 / 42
p0 −2543 ± 5140
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.81
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03848
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 2625 / 42
p0 3384 ± 3.635
4400
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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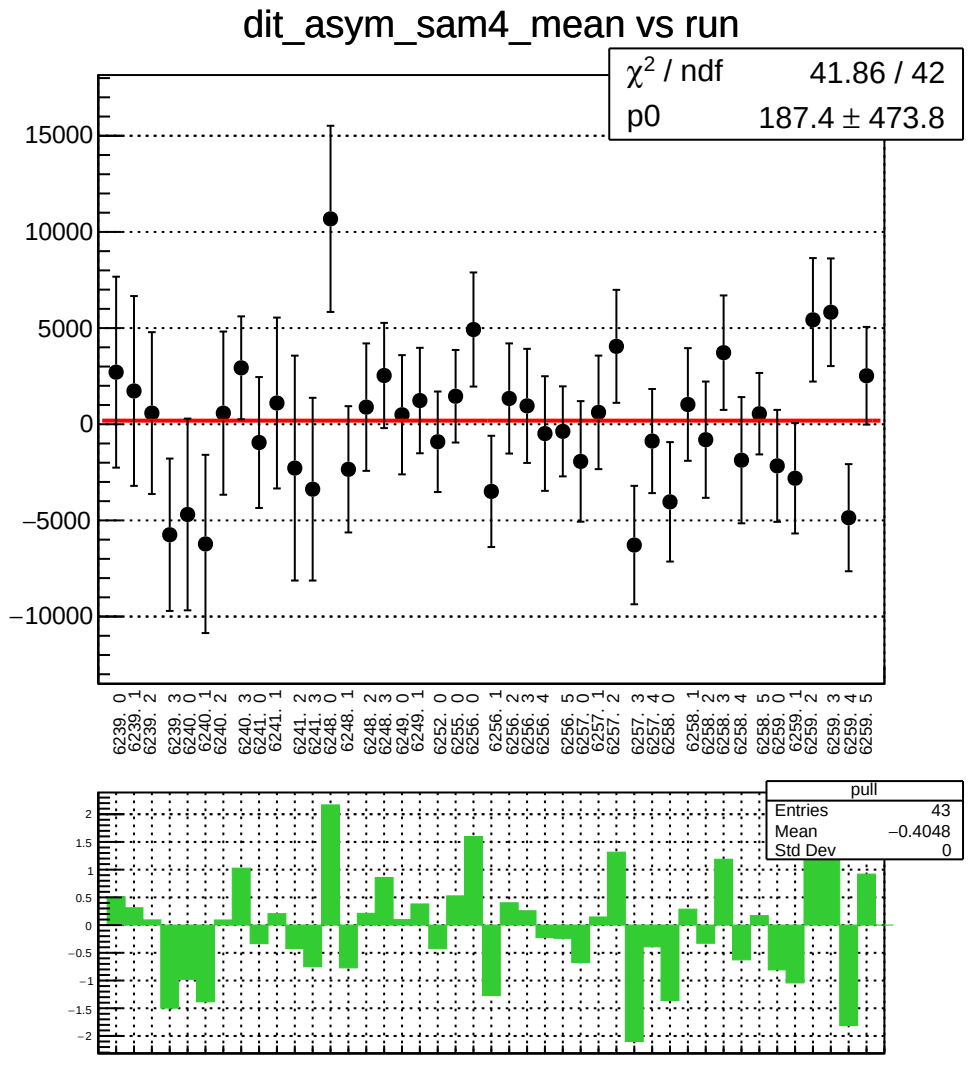
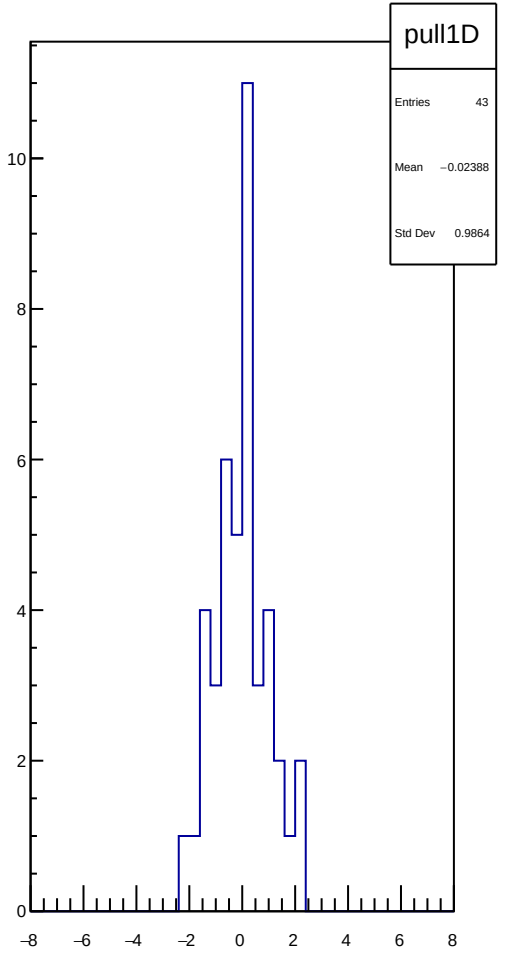
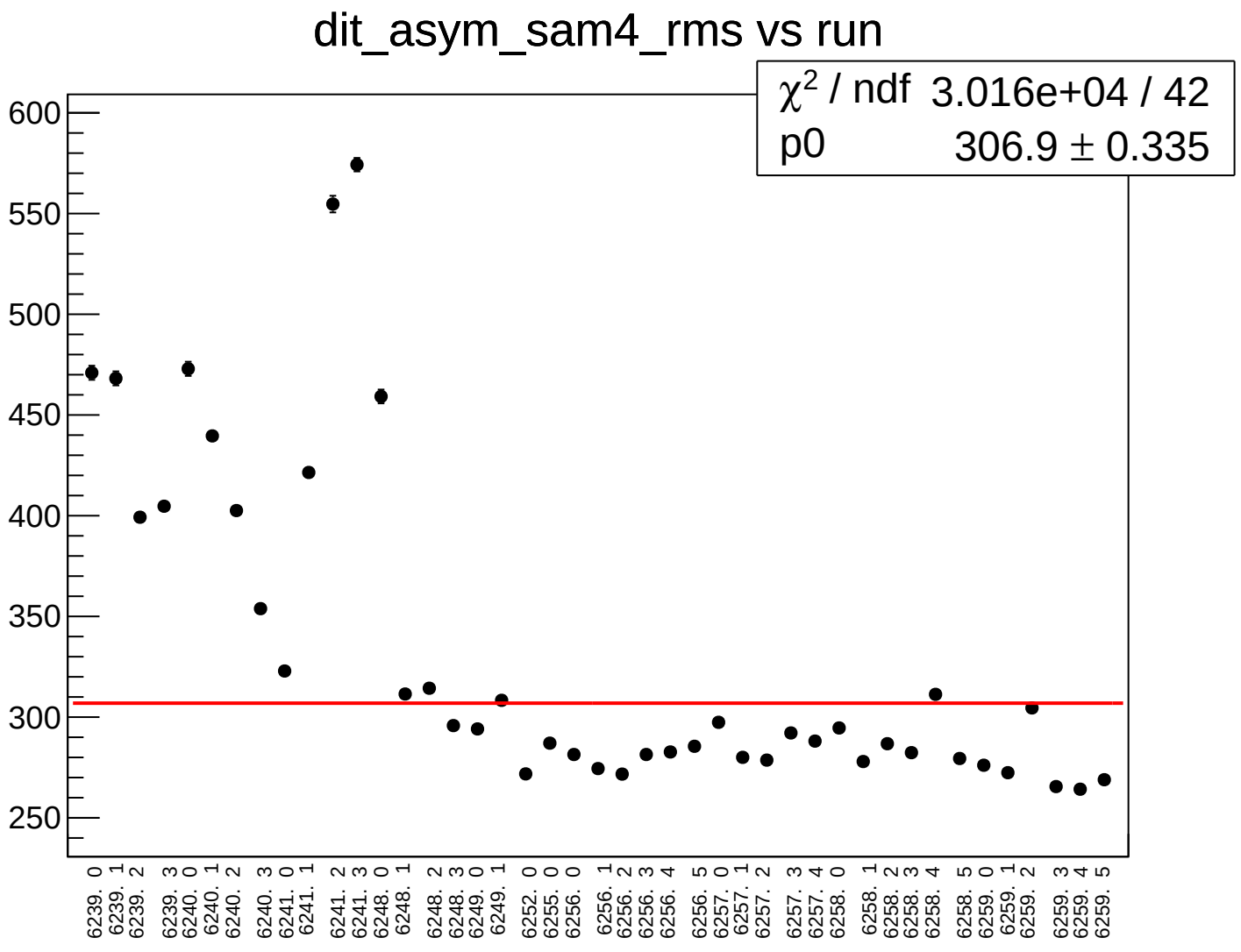
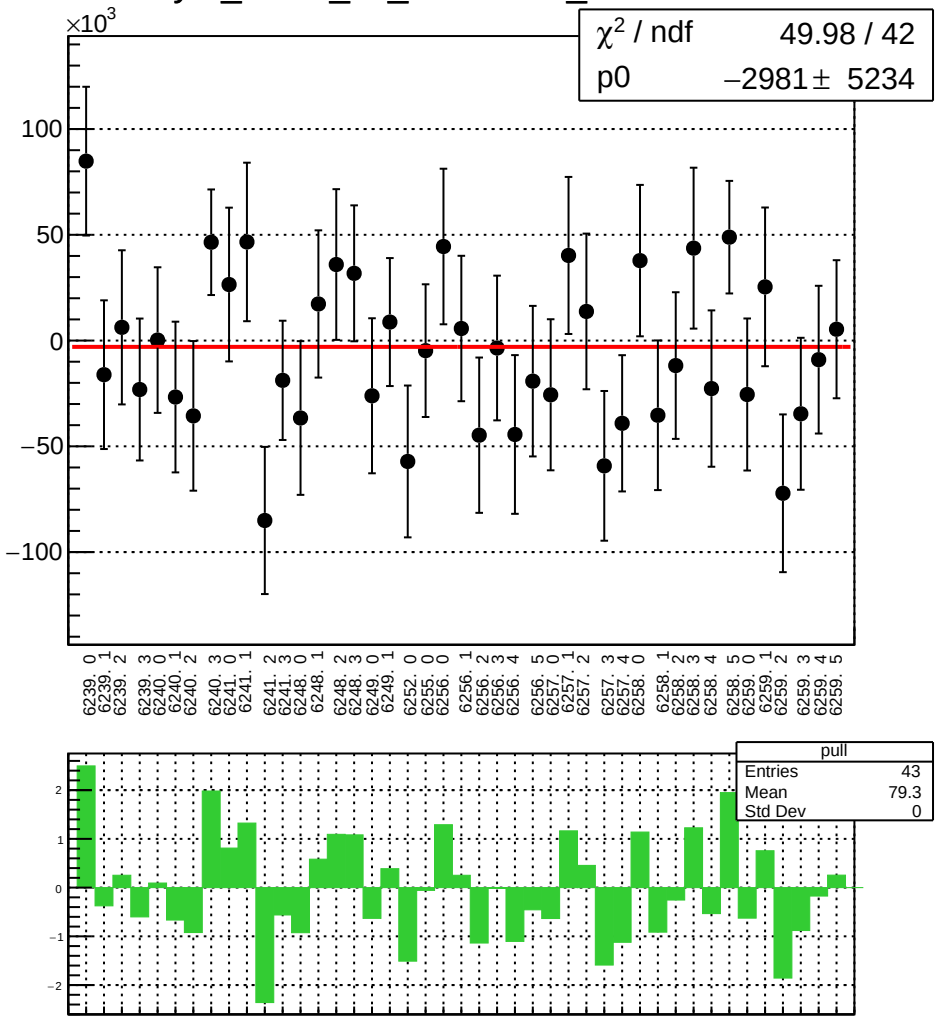
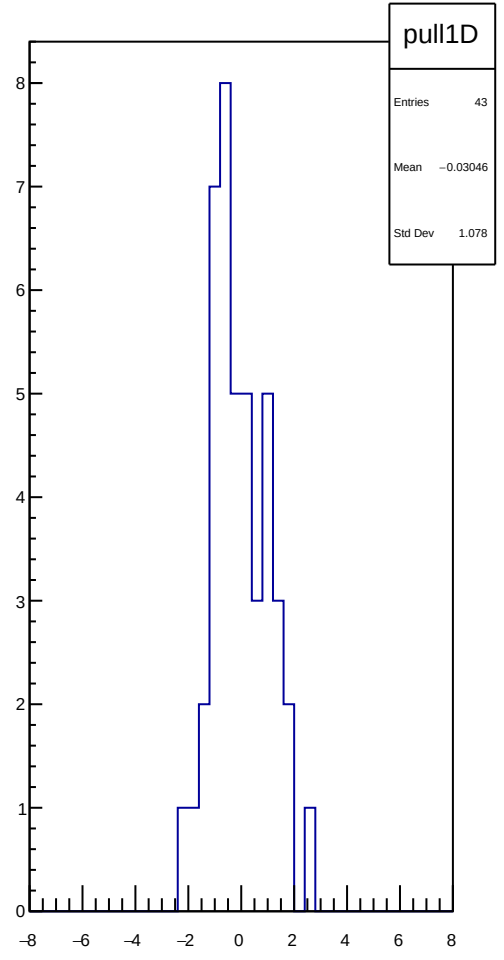
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

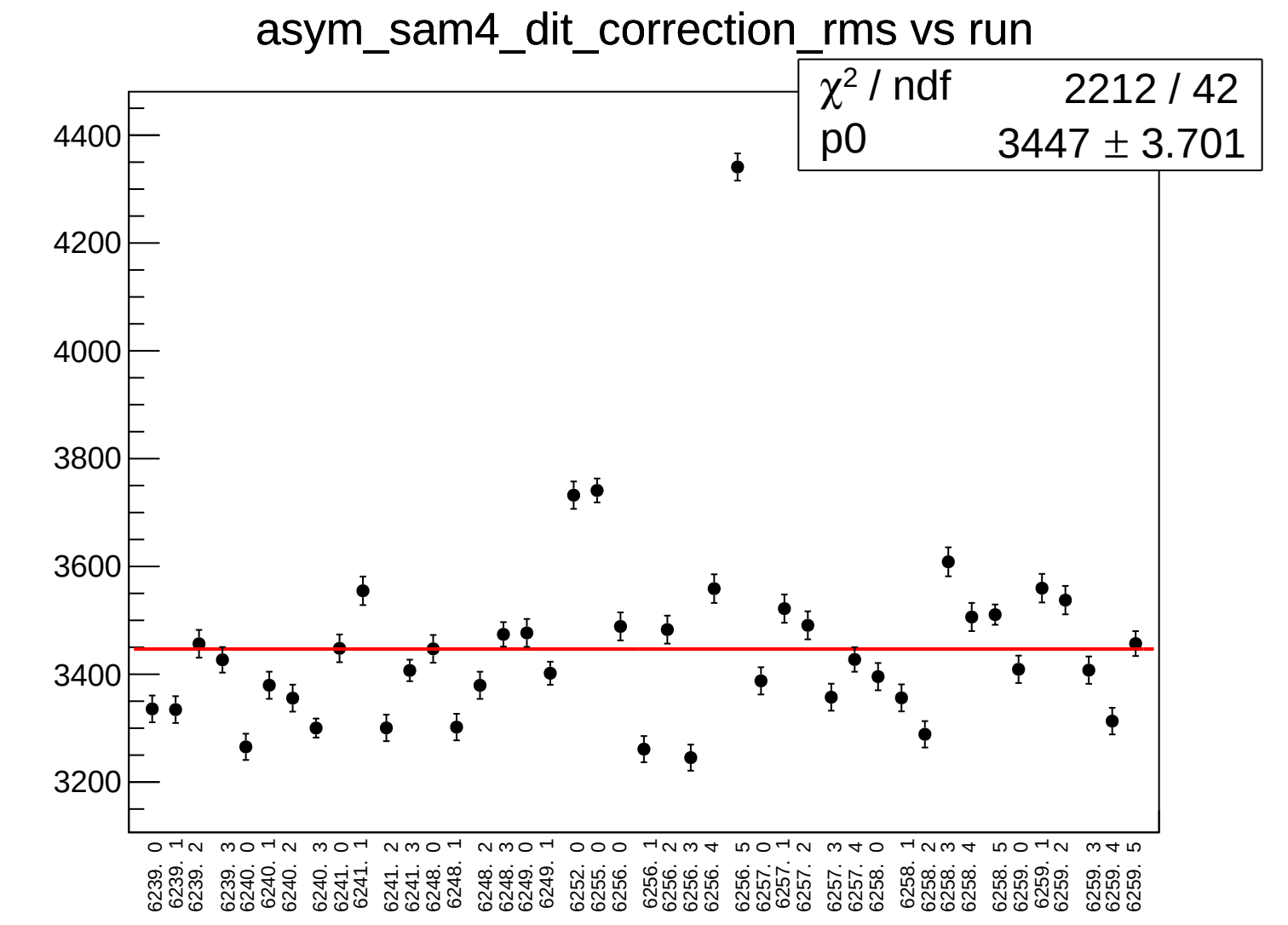

dit_asym_sam4_mean vs run
χ² / ndf 41.86 / 42
p0 187.4 ± 473.8
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.4048
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

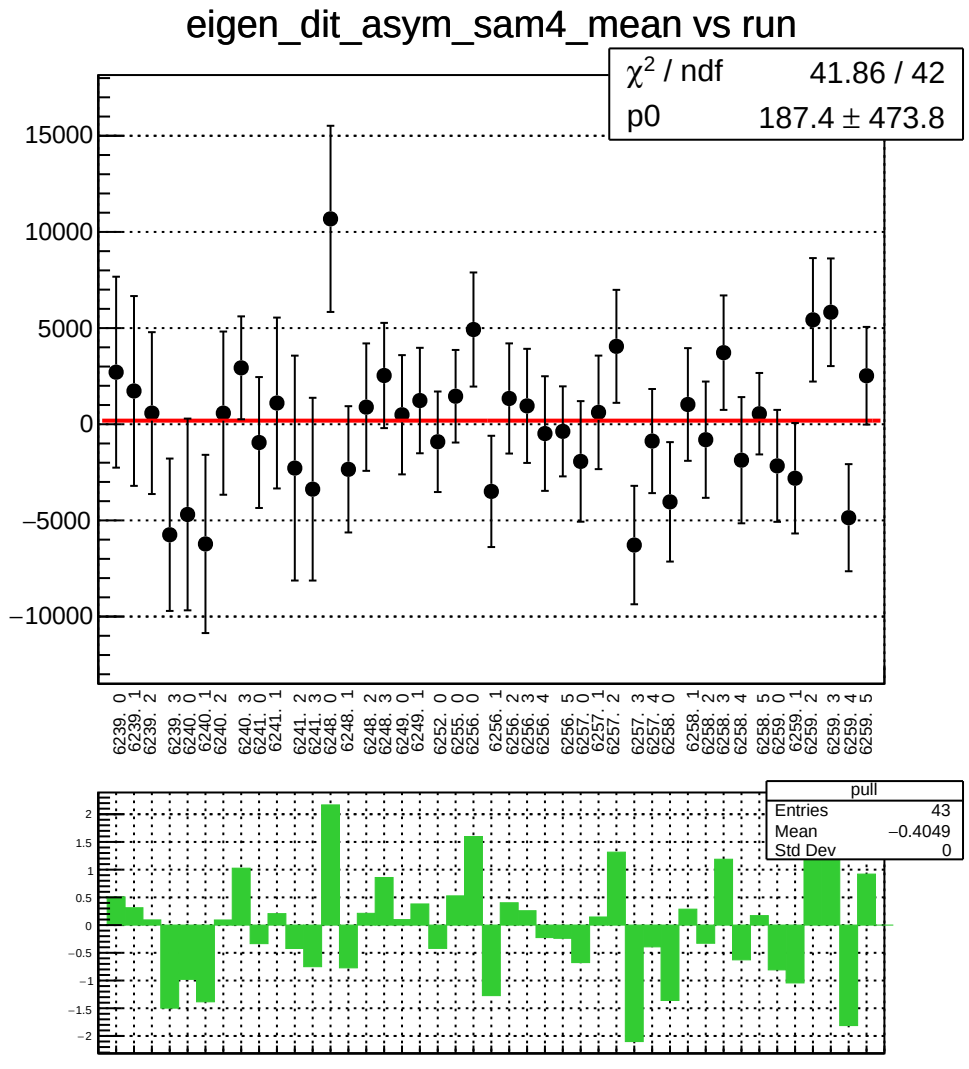

pull1D
Entries 43
Mean −0.02388
Std Dev 0.9864
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

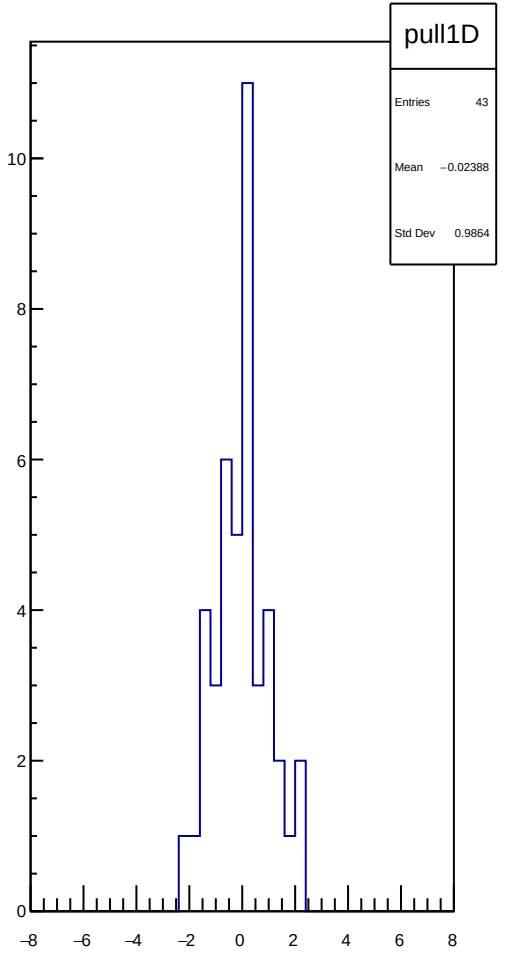

dit_asym_sam4_rms vs run
χ² / ndf 3.016e+04 / 42
p0 306.9 ± 0.335
600
550
500
450
400
350
300
250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

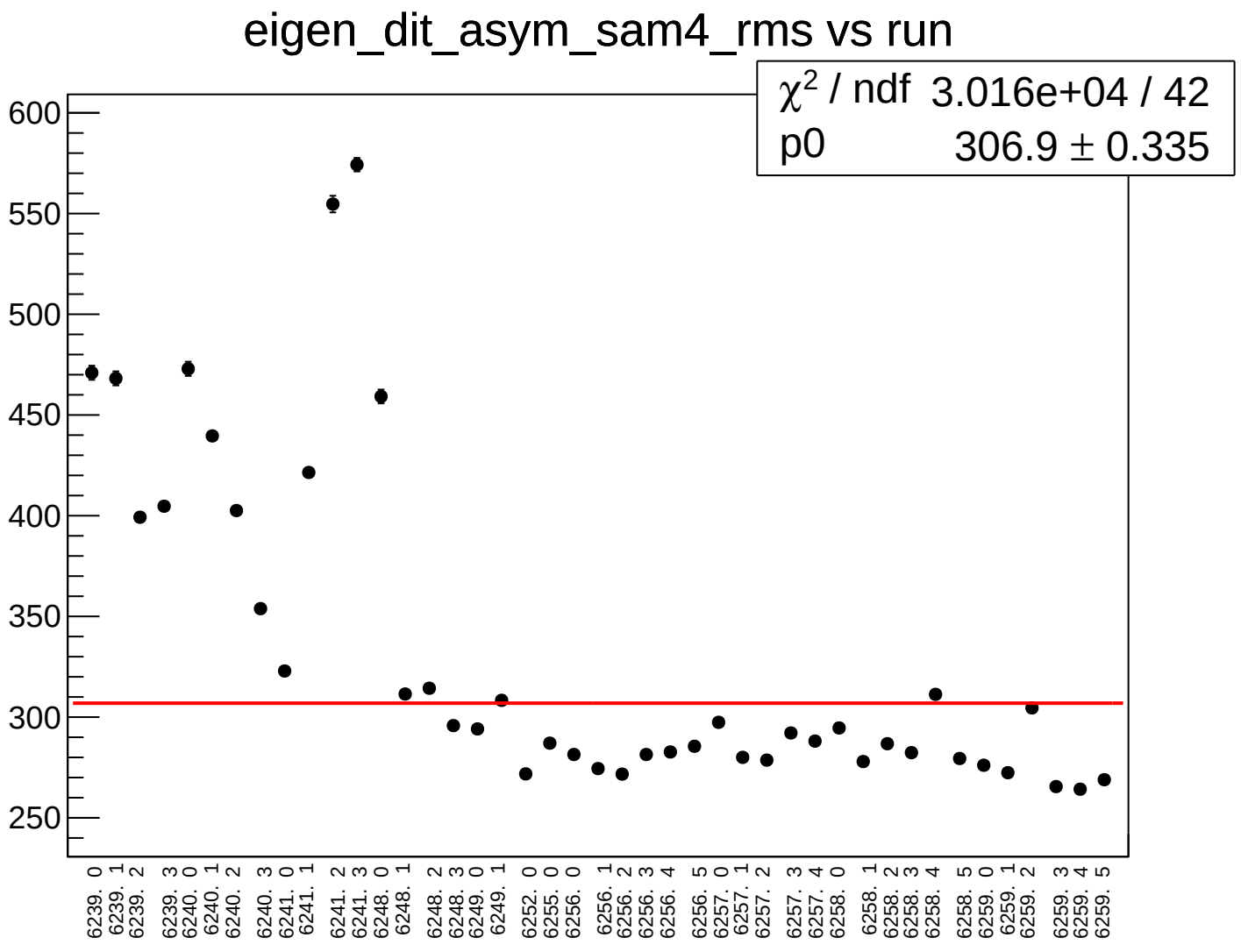

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 49.98 / 42
p0 −2981 ± 5234
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.3
Std Dev 0
2
1
0
−1
−2

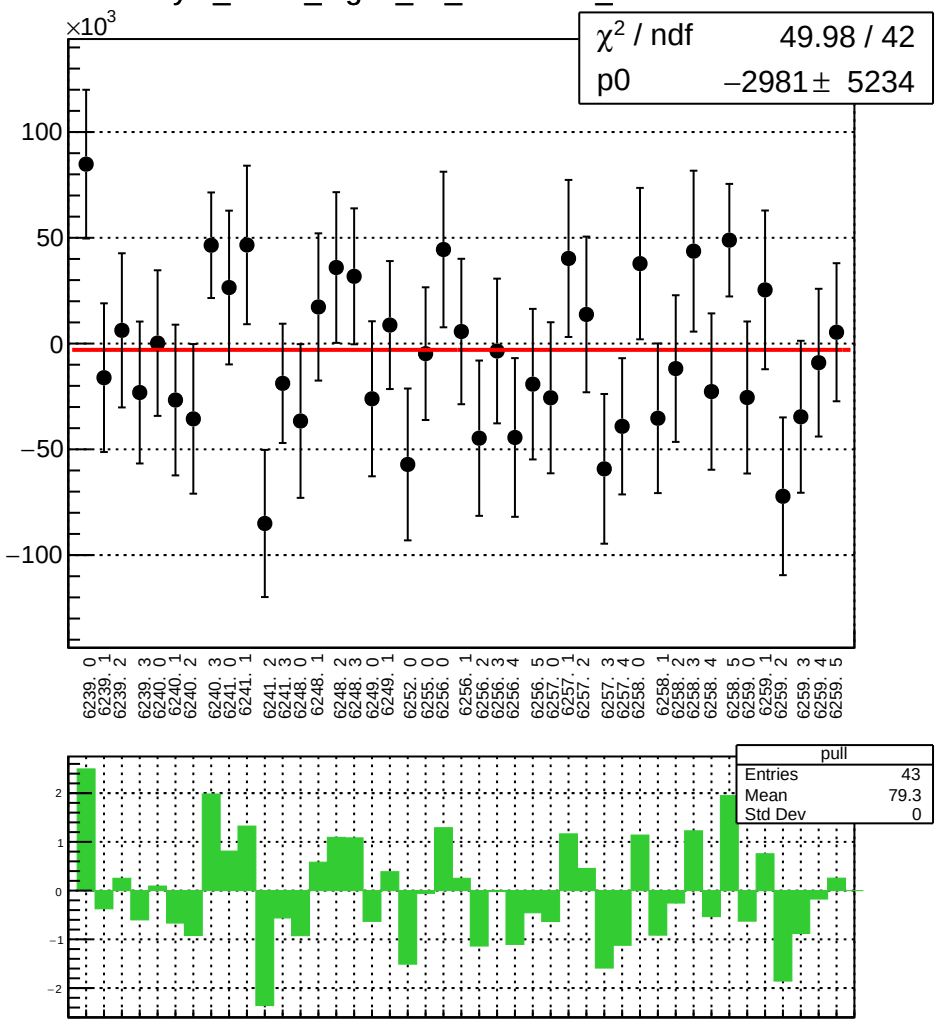

pull1D
Entries 43
Mean −0.03046
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

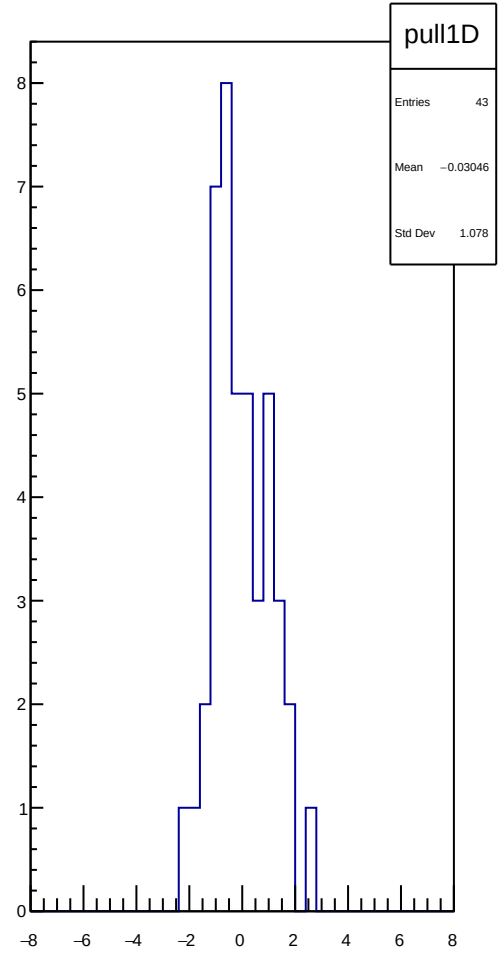

asym_sam4_dit_correction_rms vs run
χ² / ndf 2212 / 42
p0 3447 ± 3.701
4400
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

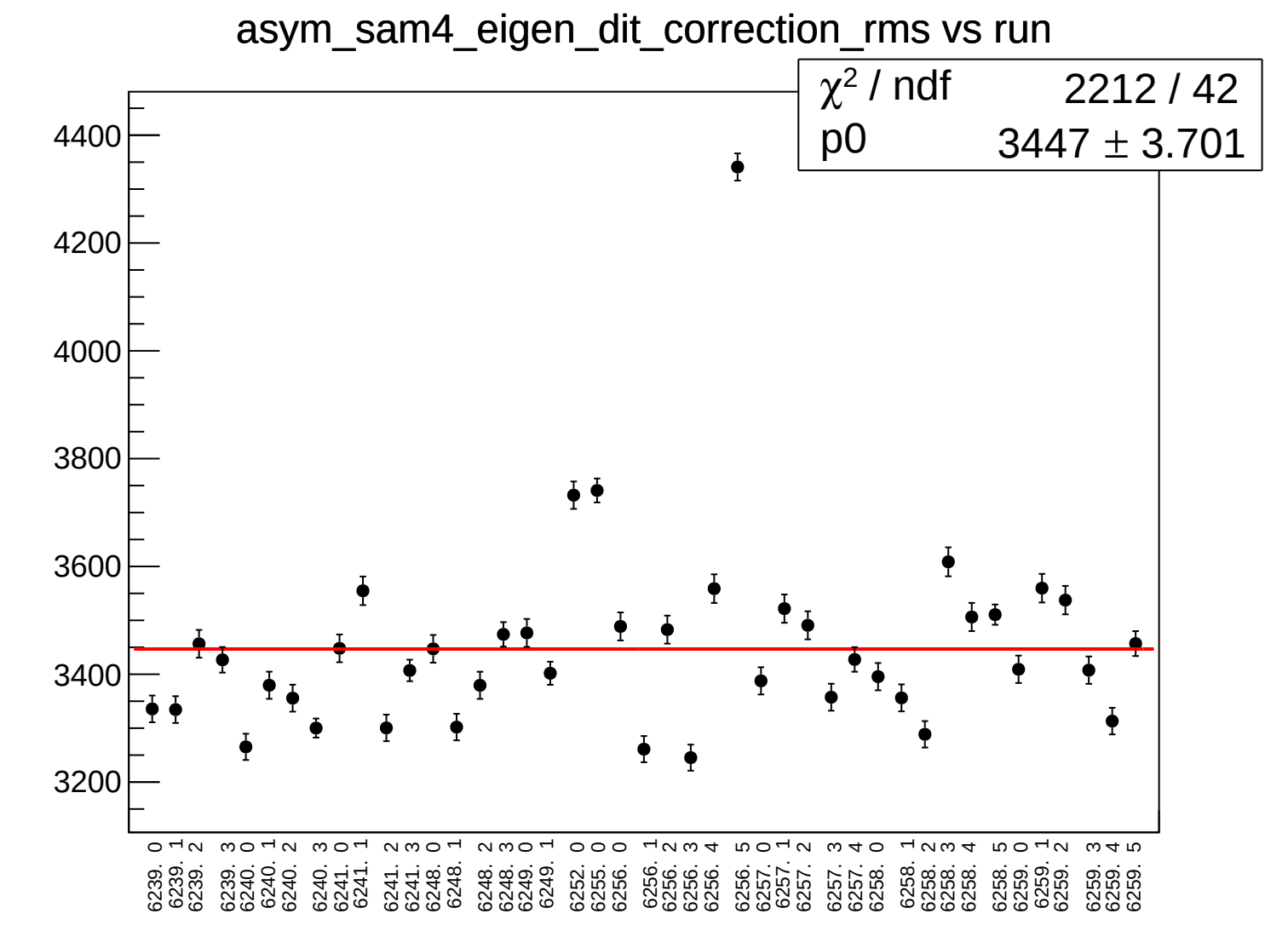

eigen_dit_asym_sam4_mean vs run
χ² / ndf 41.86 / 42
p0 187.4 ± 473.8
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.4049
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

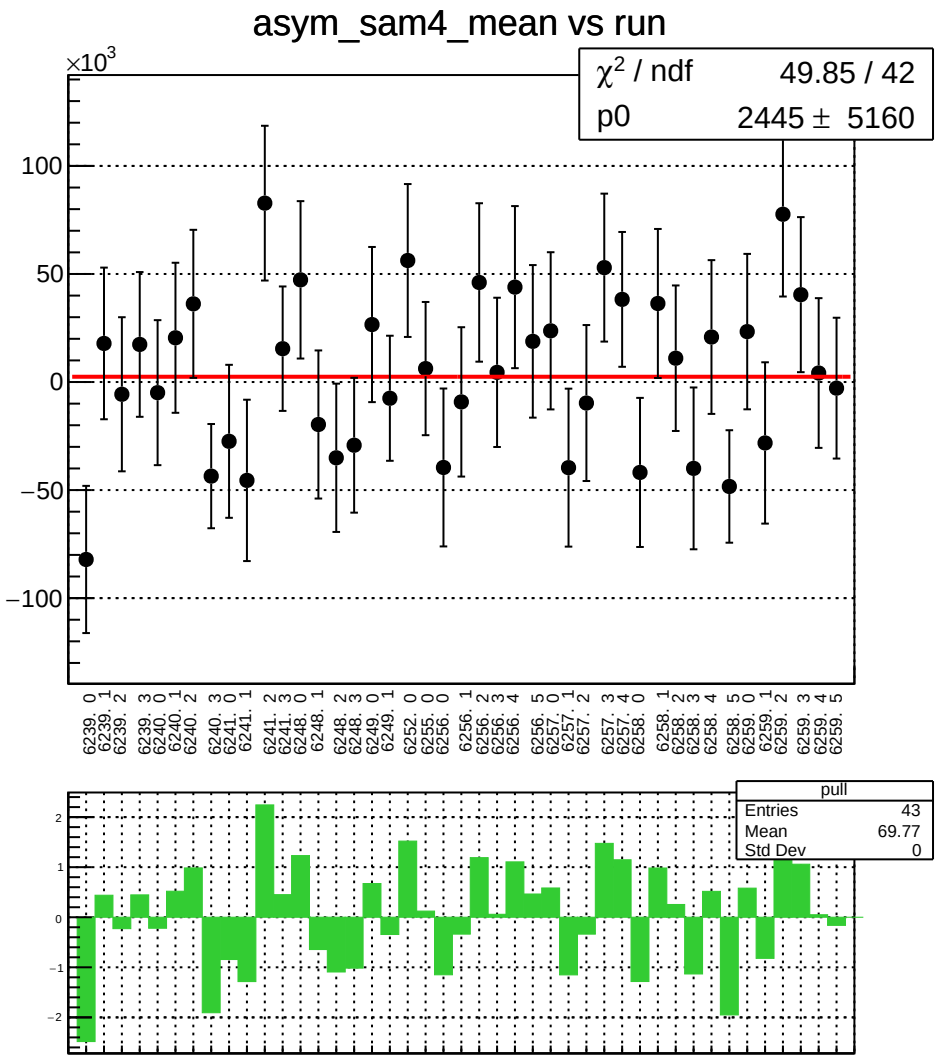

pull1D
Entries 43
Mean −0.02388
Std Dev 0.9864
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

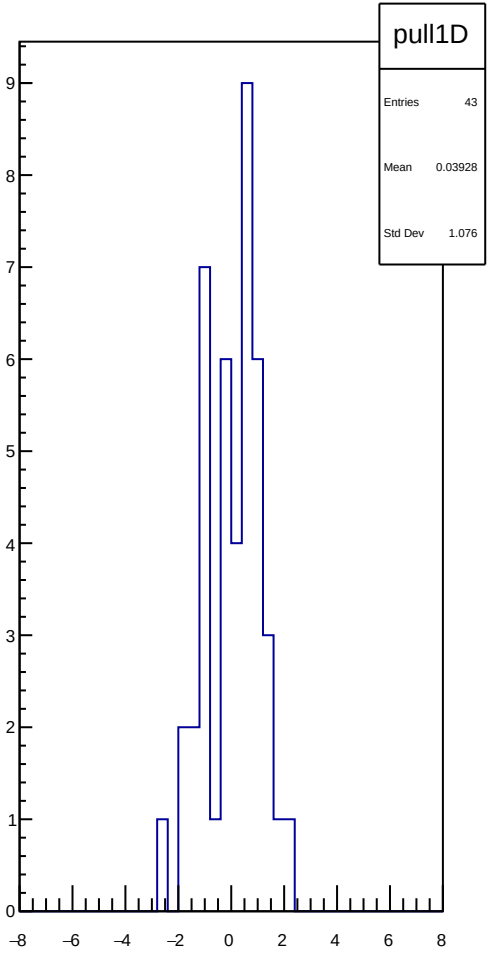

eigen_dit_asym_sam4_rms vs run
χ² / ndf 3.016e+04 / 42
p0 306.9 ± 0.335
600
550
500
450
400
350
300
250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

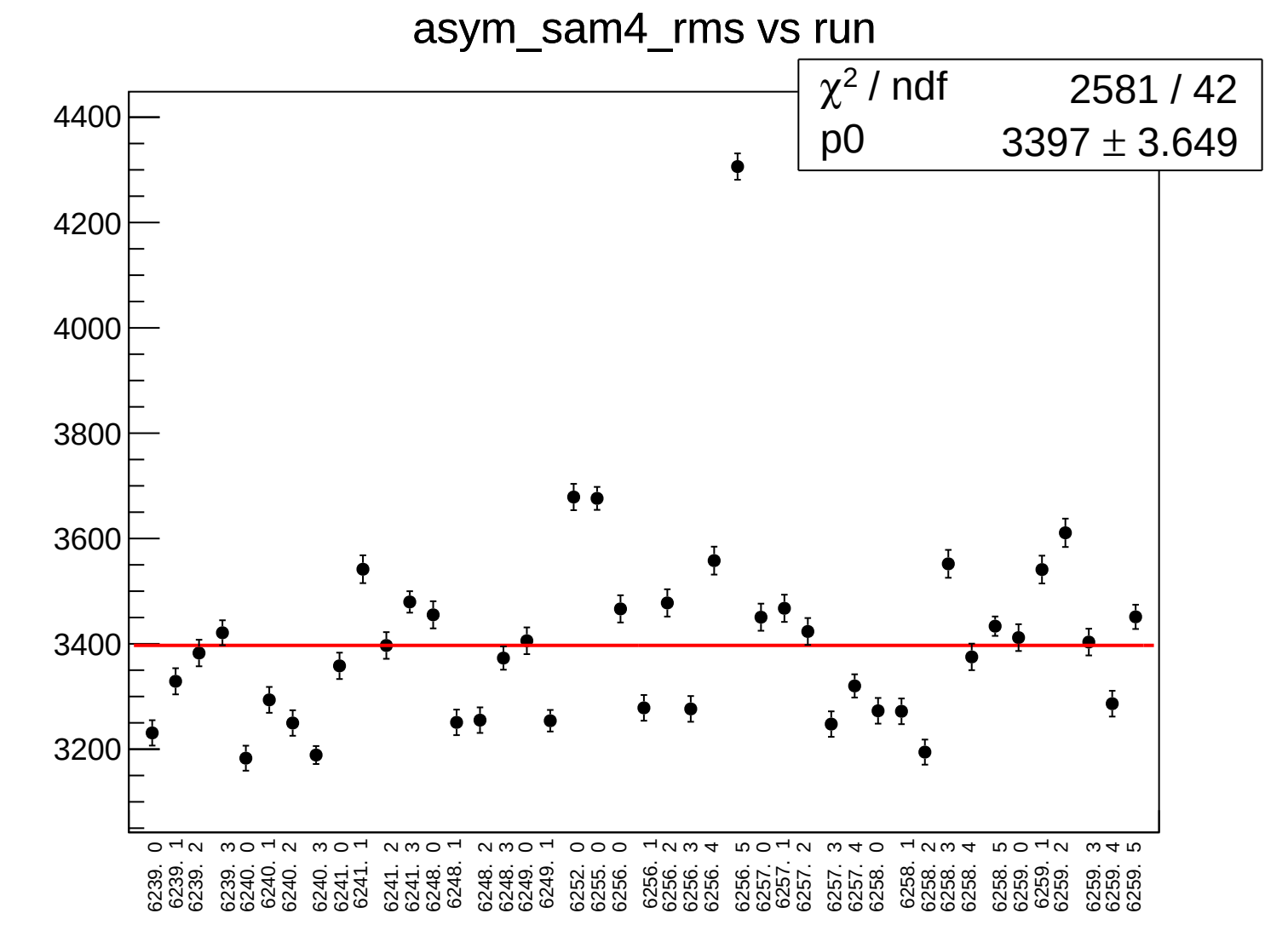

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.98 / 42
p0 −2981 ± 5234
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.3
Std Dev 0
2
1
0
−1
−2

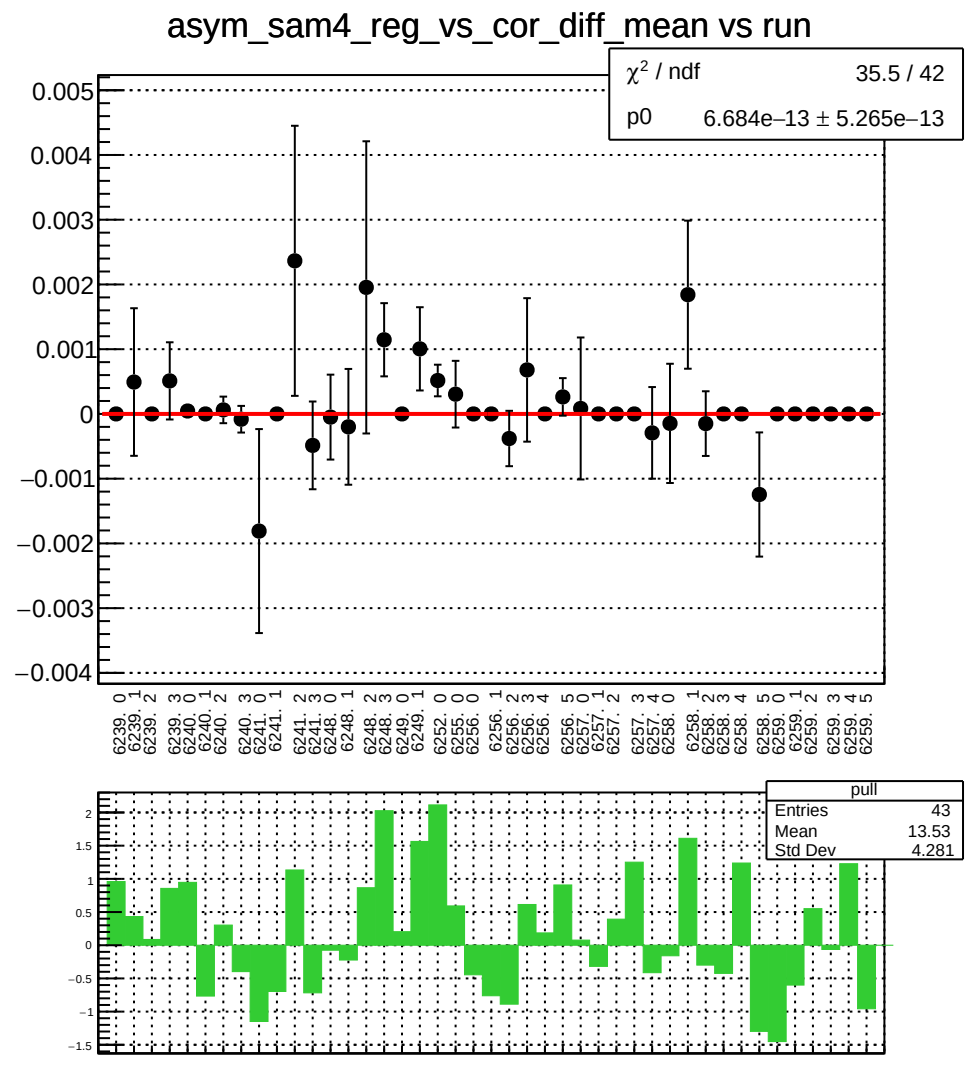

pull1D
Entries 43
Mean −0.03046
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

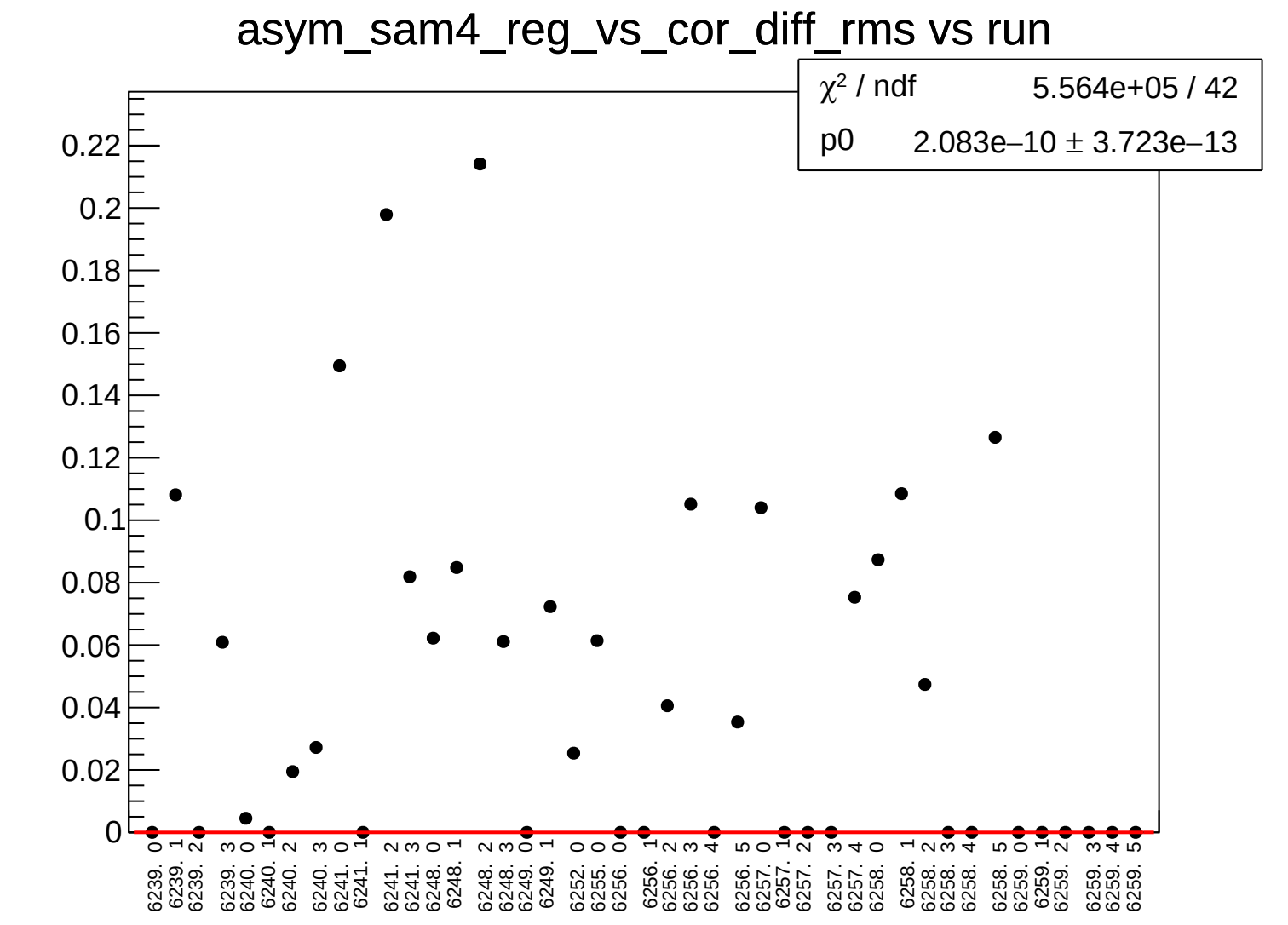

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 2212 / 42
p0 3447 ± 3.701
4400
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

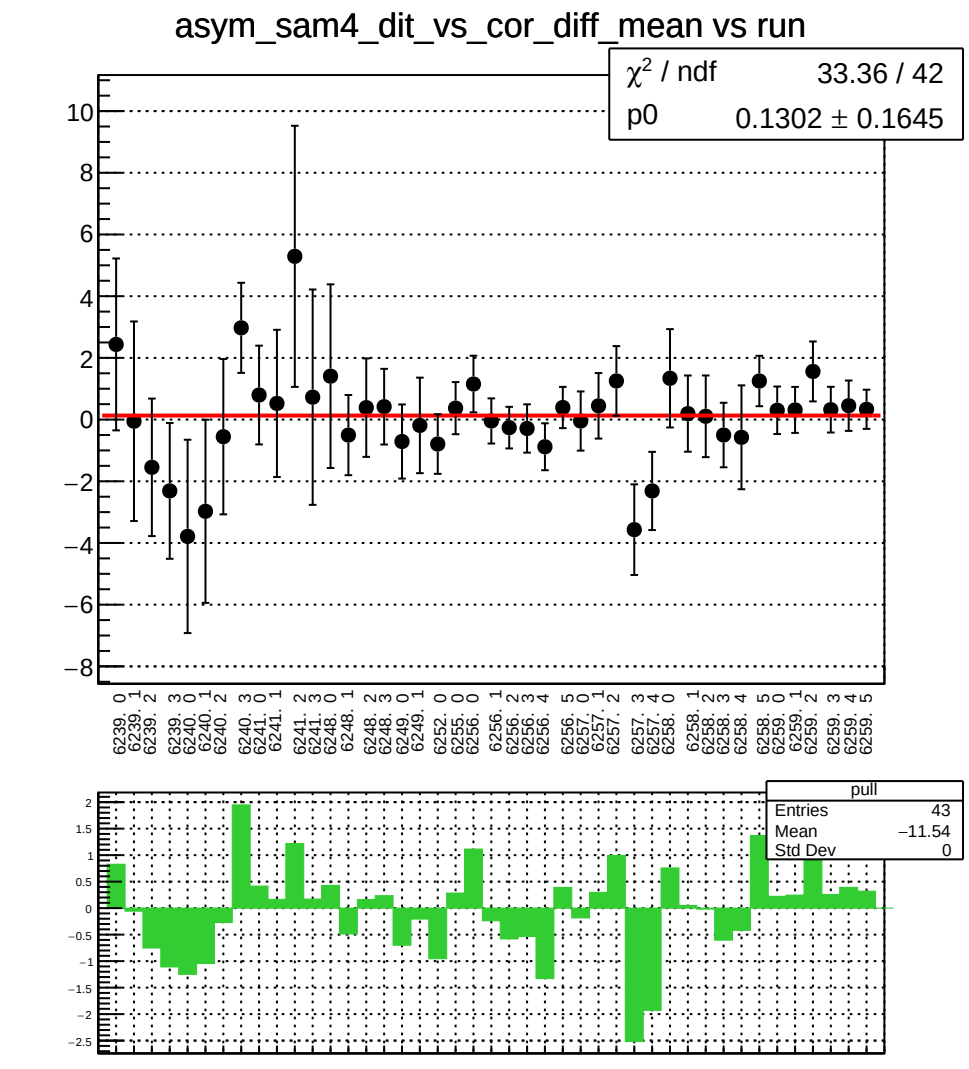

asym_sam4_mean vs run
×10^3
χ^2 / ndf 49.85 / 42
p0 2445 ± 5160
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.77
Std Dev 0
2
1
0
−1
−2

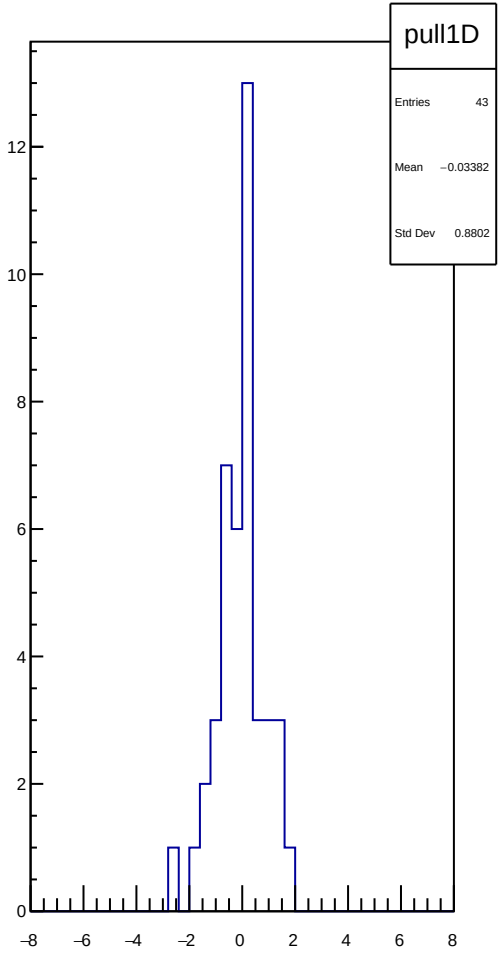

pull1D
Entries 43
Mean 0.03928
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

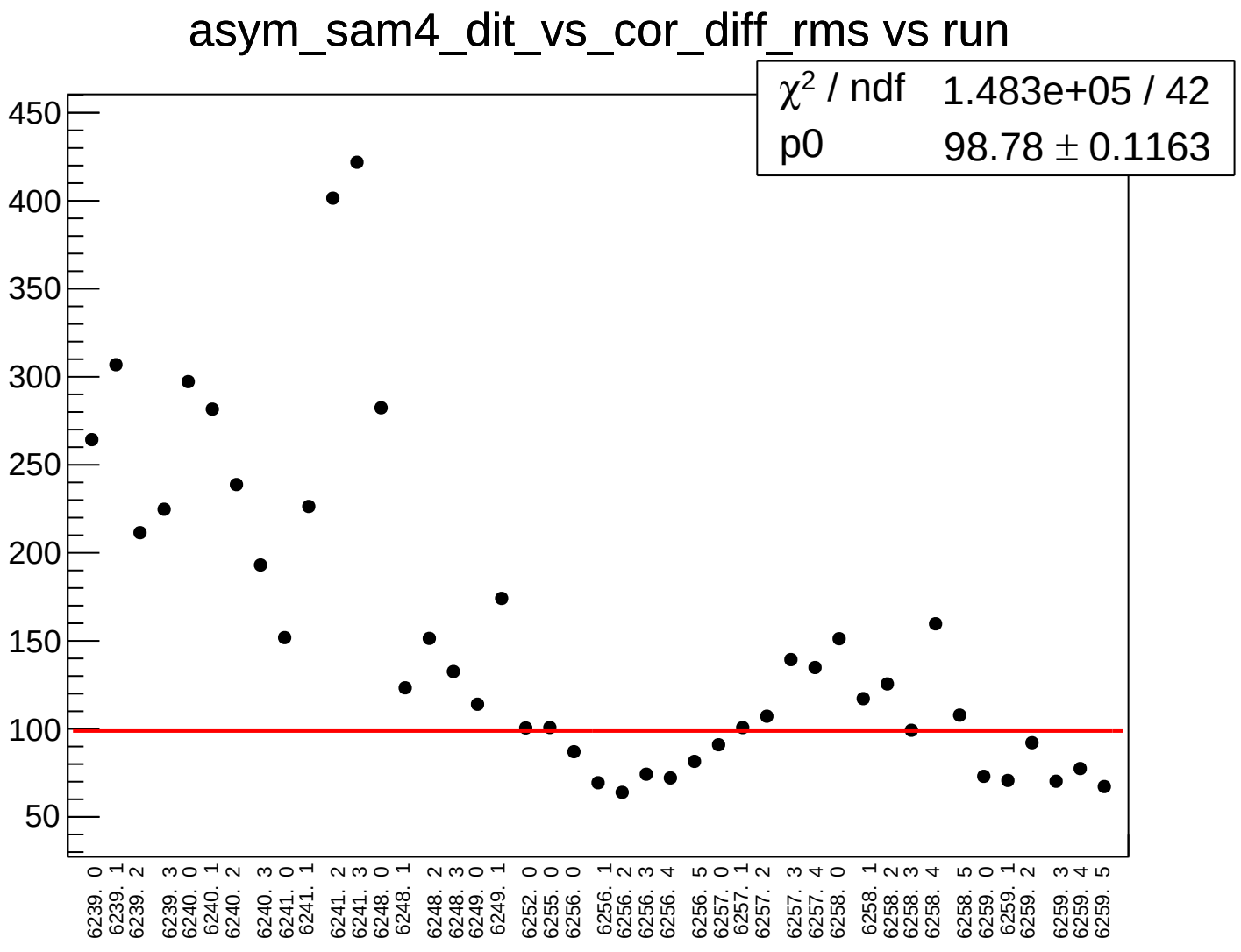

asym_sam4_rms vs run
χ² / ndf 2581 / 42
p0 3397 ± 3.649
4400
4200
4000
3800
3600
3400
3200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

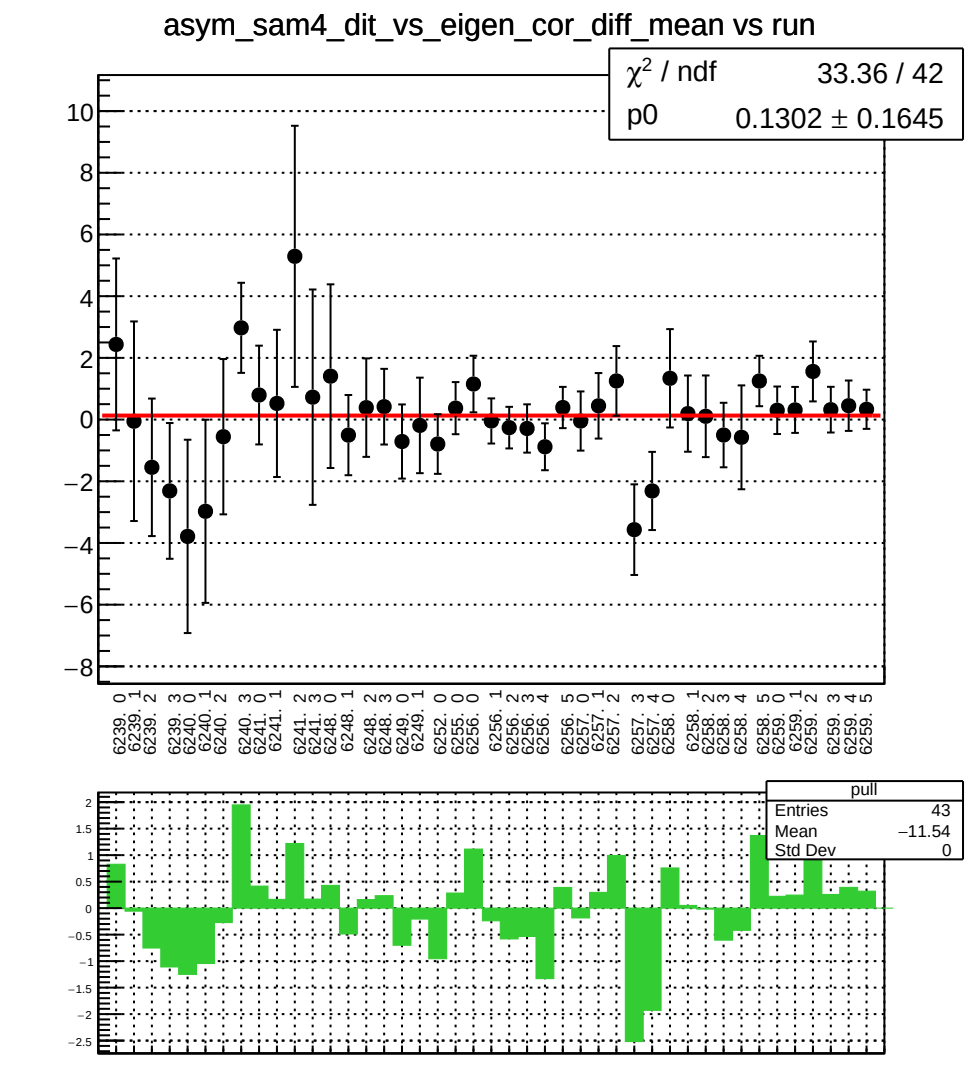

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 35.5 / 42
p0 6.684e−13 ± 5.265e−13
0.005
0.004
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.53
Std Dev 4.281
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.187
Std Dev 0.8892
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

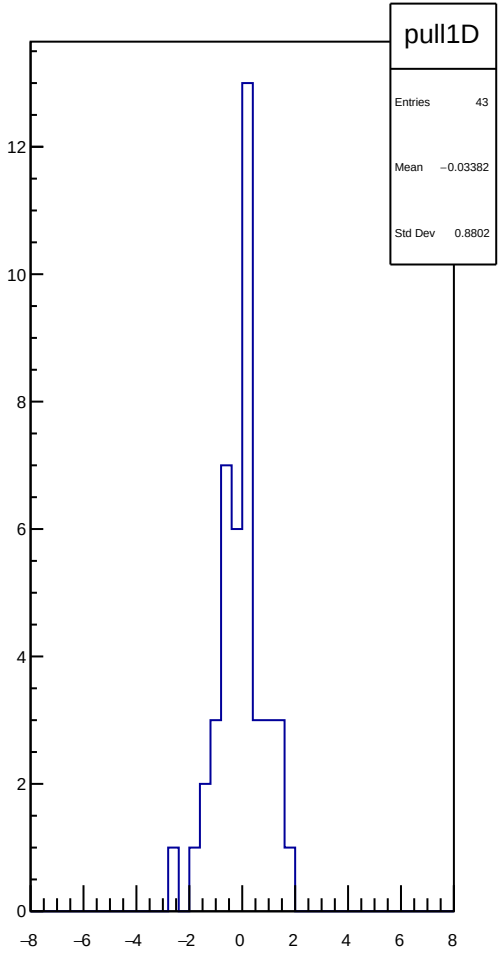

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 5.564e+05 / 42
p0 2.083e−10 ± 3.723e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

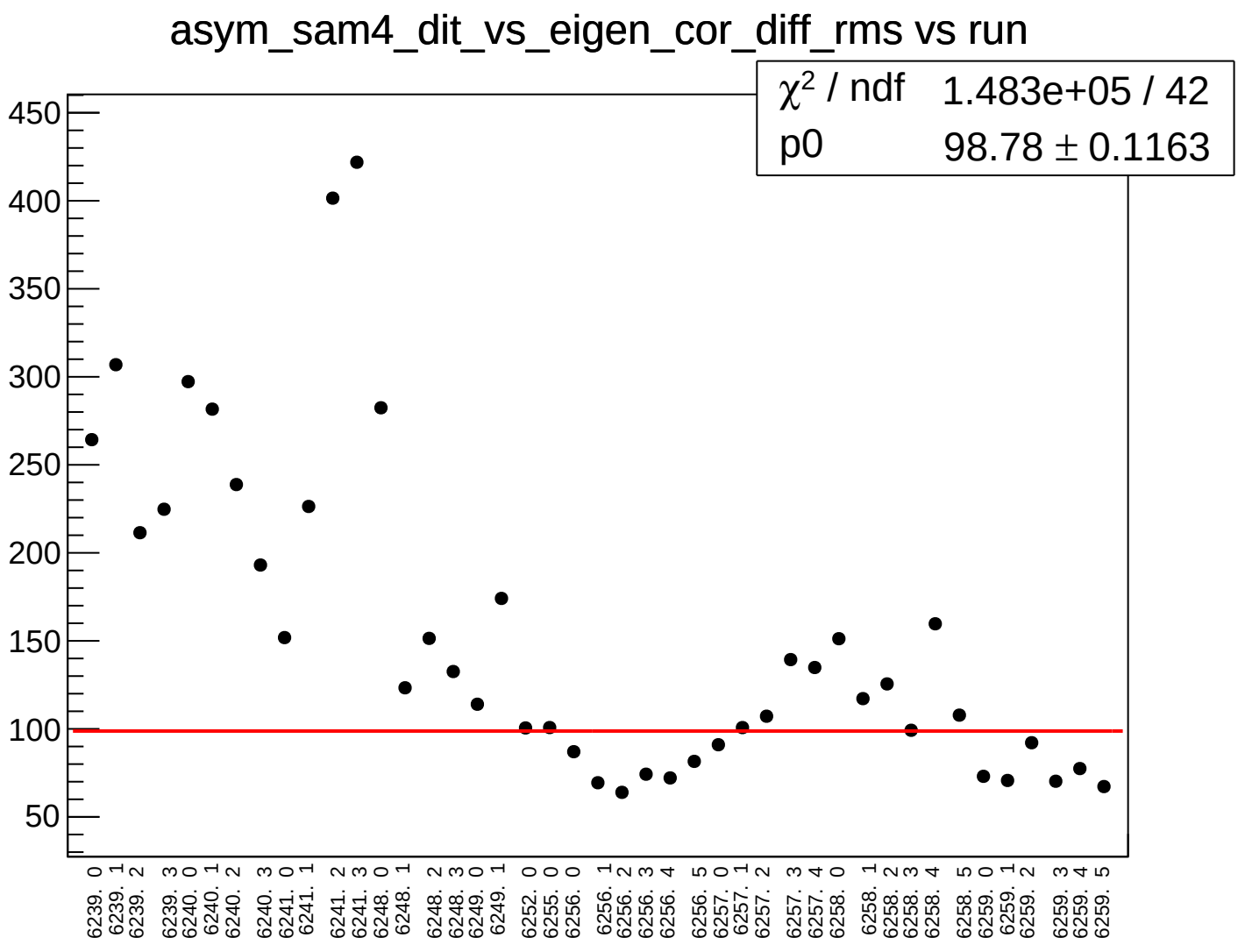

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 33.36 / 42
p0 0.1302 ± 0.1645
pull
Entries 43
Mean −11.54
Std Dev 0

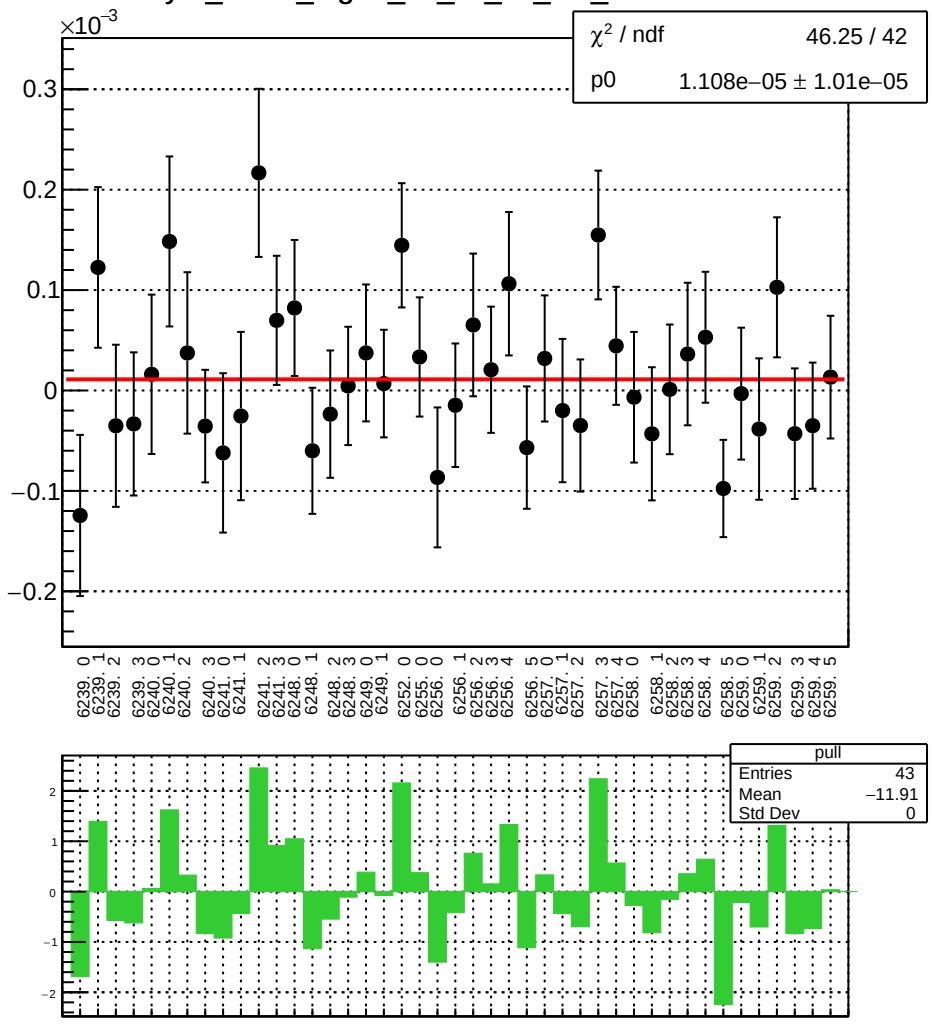

pull1D
Entries 43
Mean −0.03382
Std Dev 0.8802

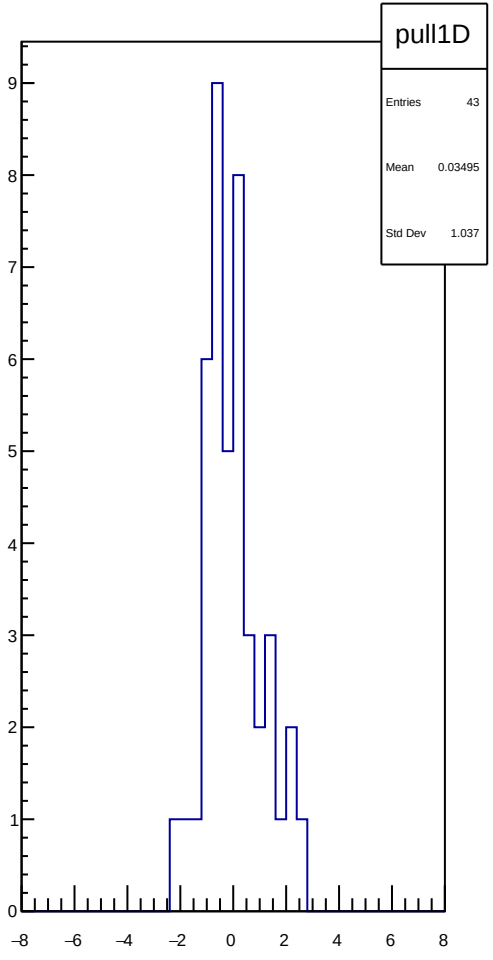

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.483e+05 / 42
p0 98.78 ± 0.1163
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

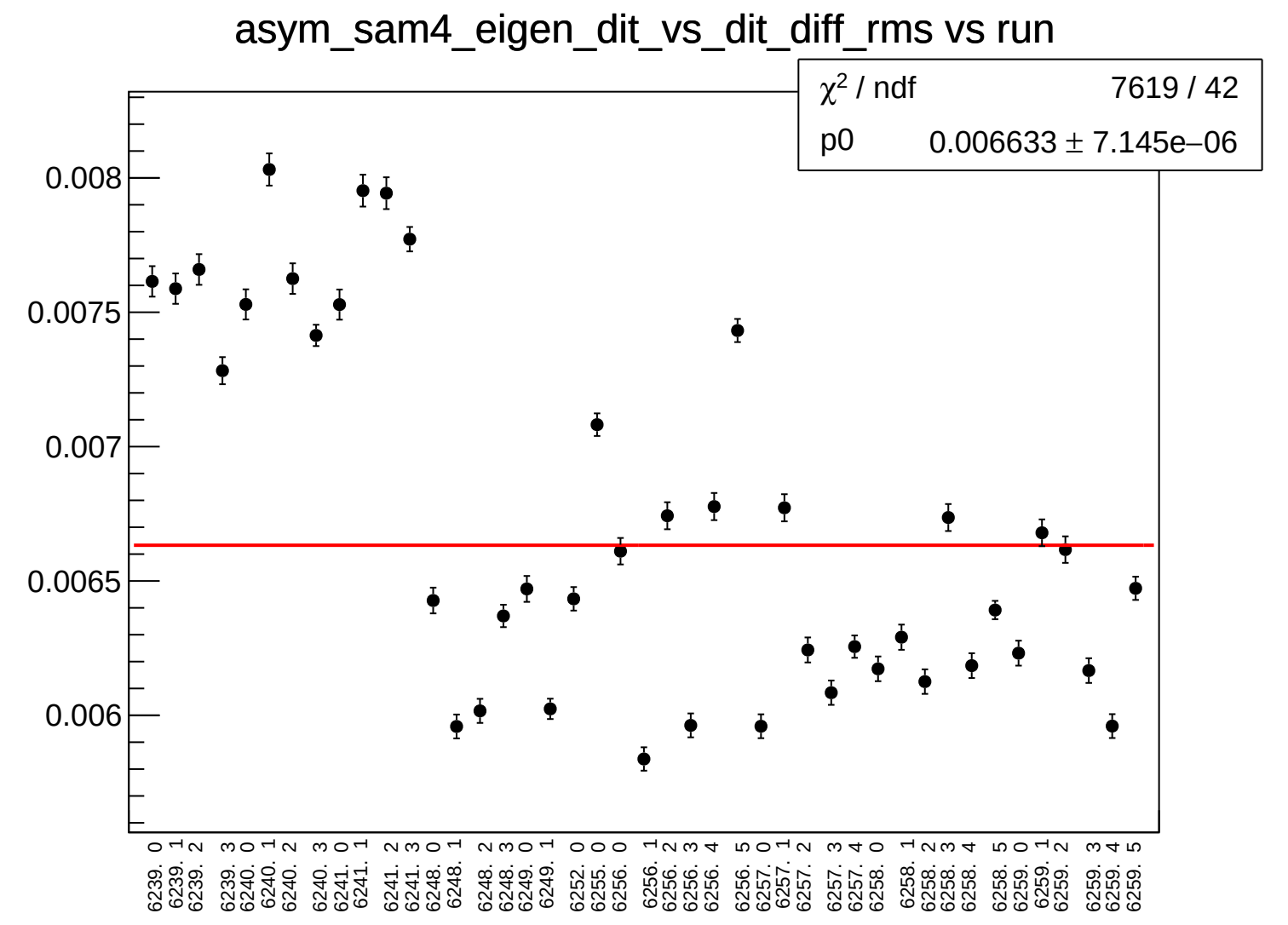

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.36 / 42
p0 0.1302 ± 0.1645
pull
Entries 43
Mean −11.54
Std Dev 0

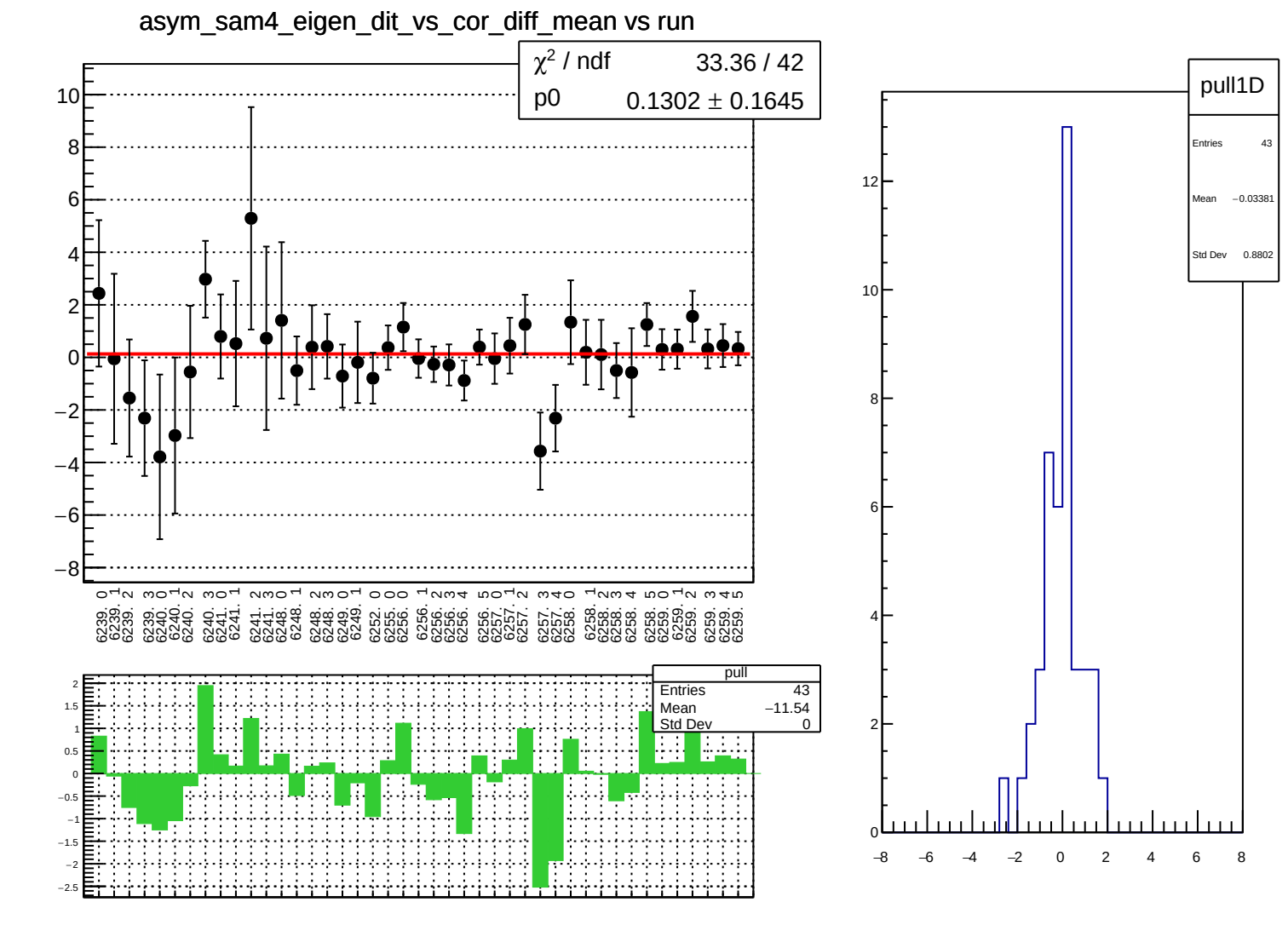

pull1D
Entries 43
Mean −0.03382
Std Dev 0.8802

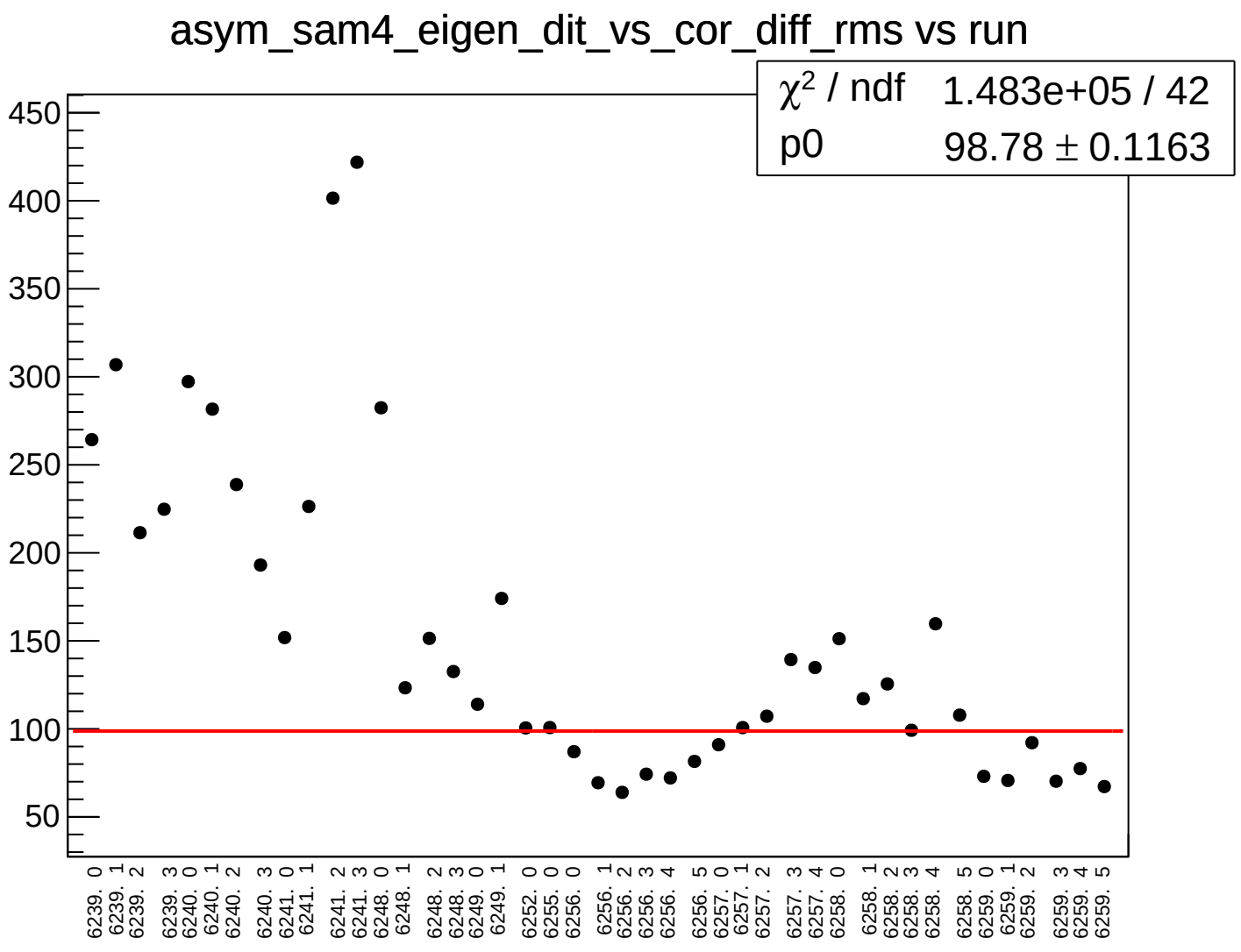

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.483e+05 / 42
p0 98.78 ± 0.1163
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

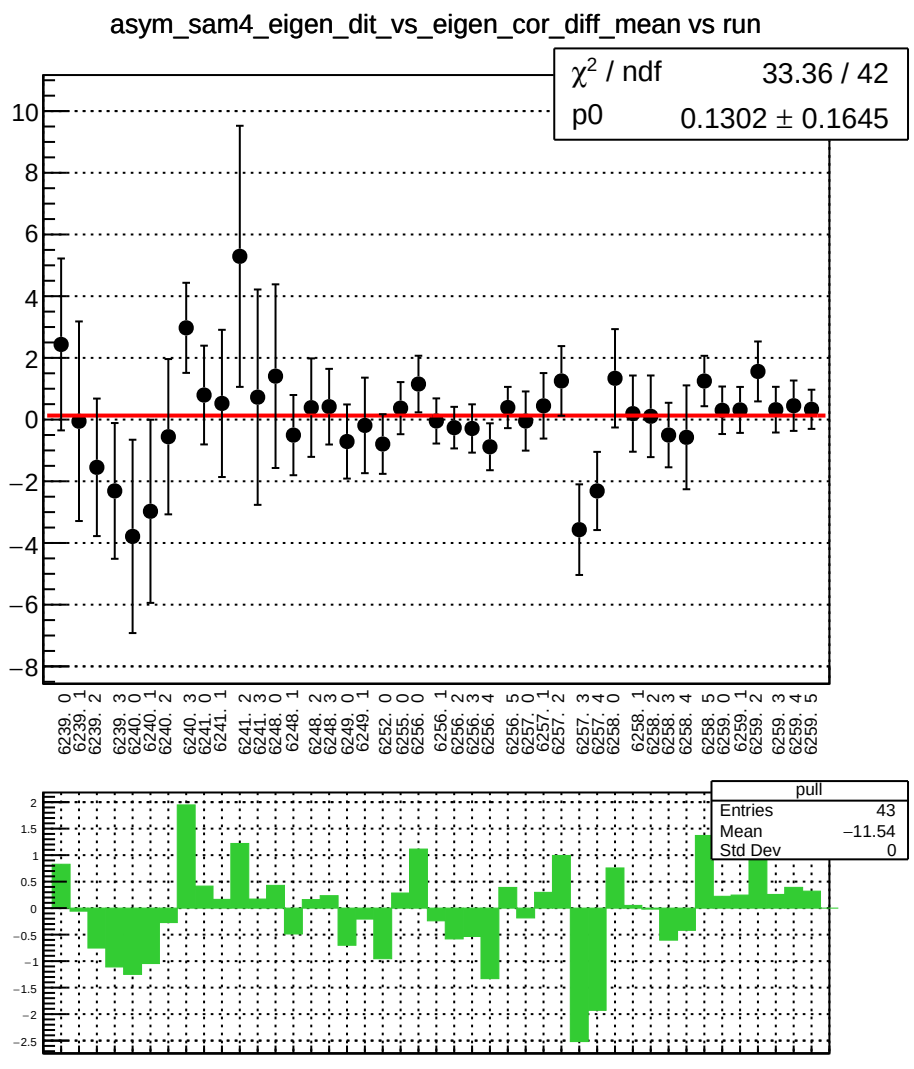

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.25 / 42
p0 1.108e−05 ± 1.01e−05
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −11.91
Std Dev 0
2
1
0
−1
−2

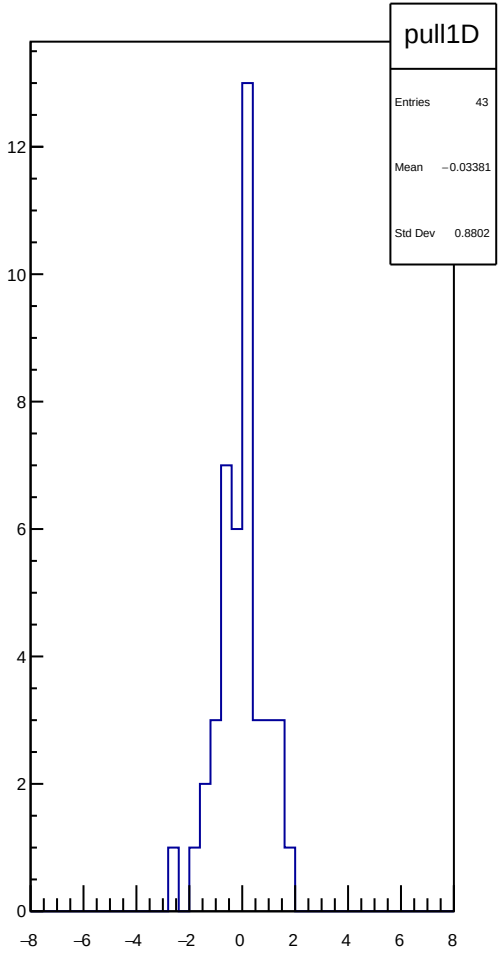

pull1D
Entries 43
Mean 0.03495
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

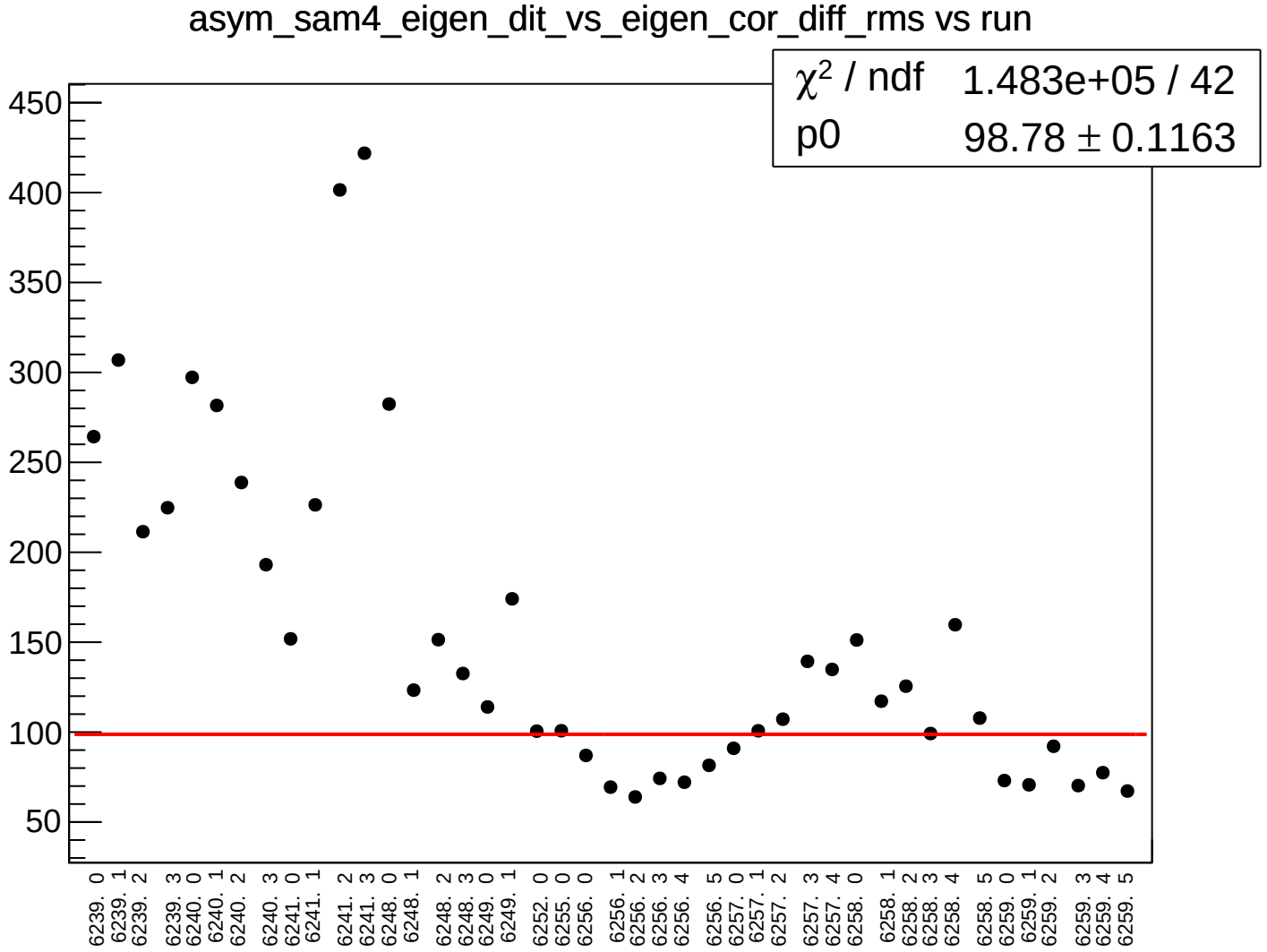

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7619 / 42
p0 0.006633 ± 7.145e−06
0.008
0.0075
0.007
0.0065
0.006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

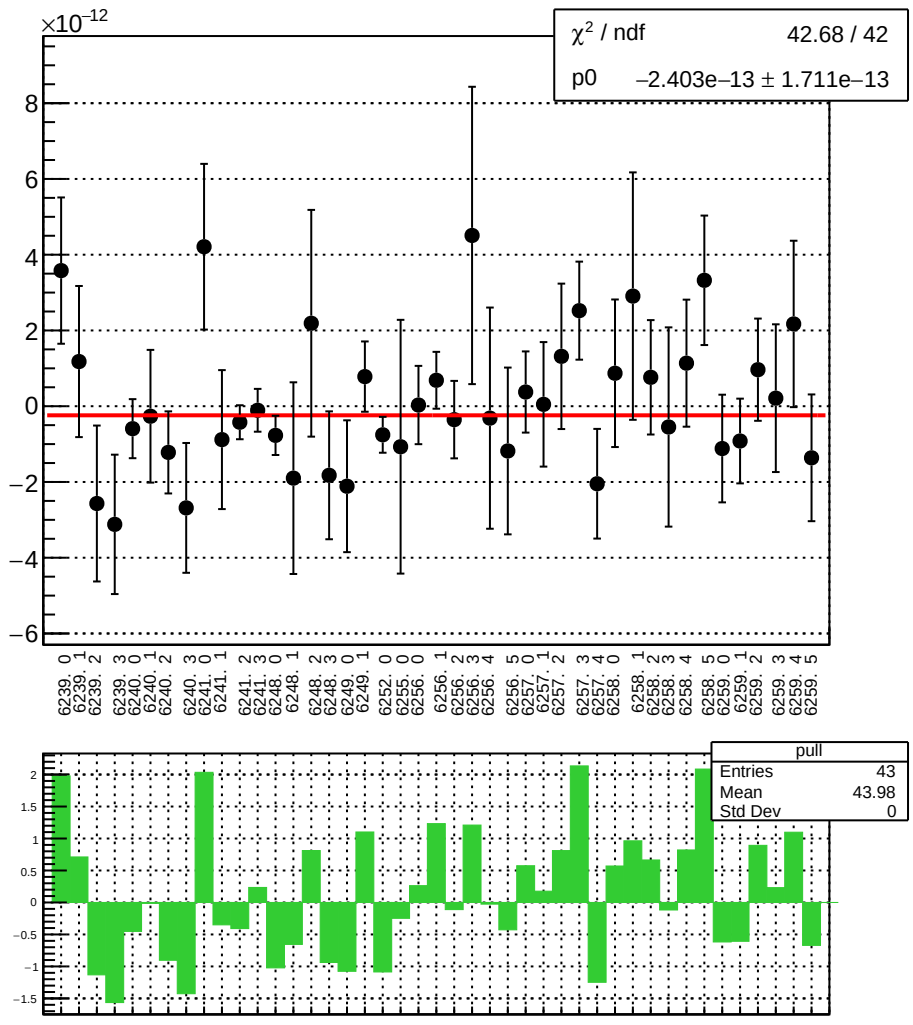

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.36 / 42
p0 0.1302 ± 0.1645
pull
Entries 43
Mean −11.54
Std Dev 0
pull1D
Entries 43
Mean −0.03381
Std Dev 0.8802

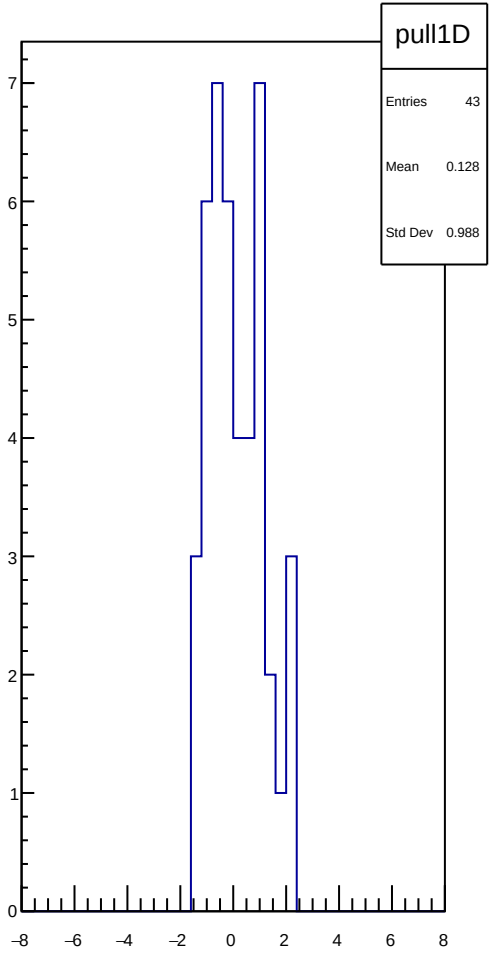

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.483e+05 / 42
p0 98.78 ± 0.1163
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

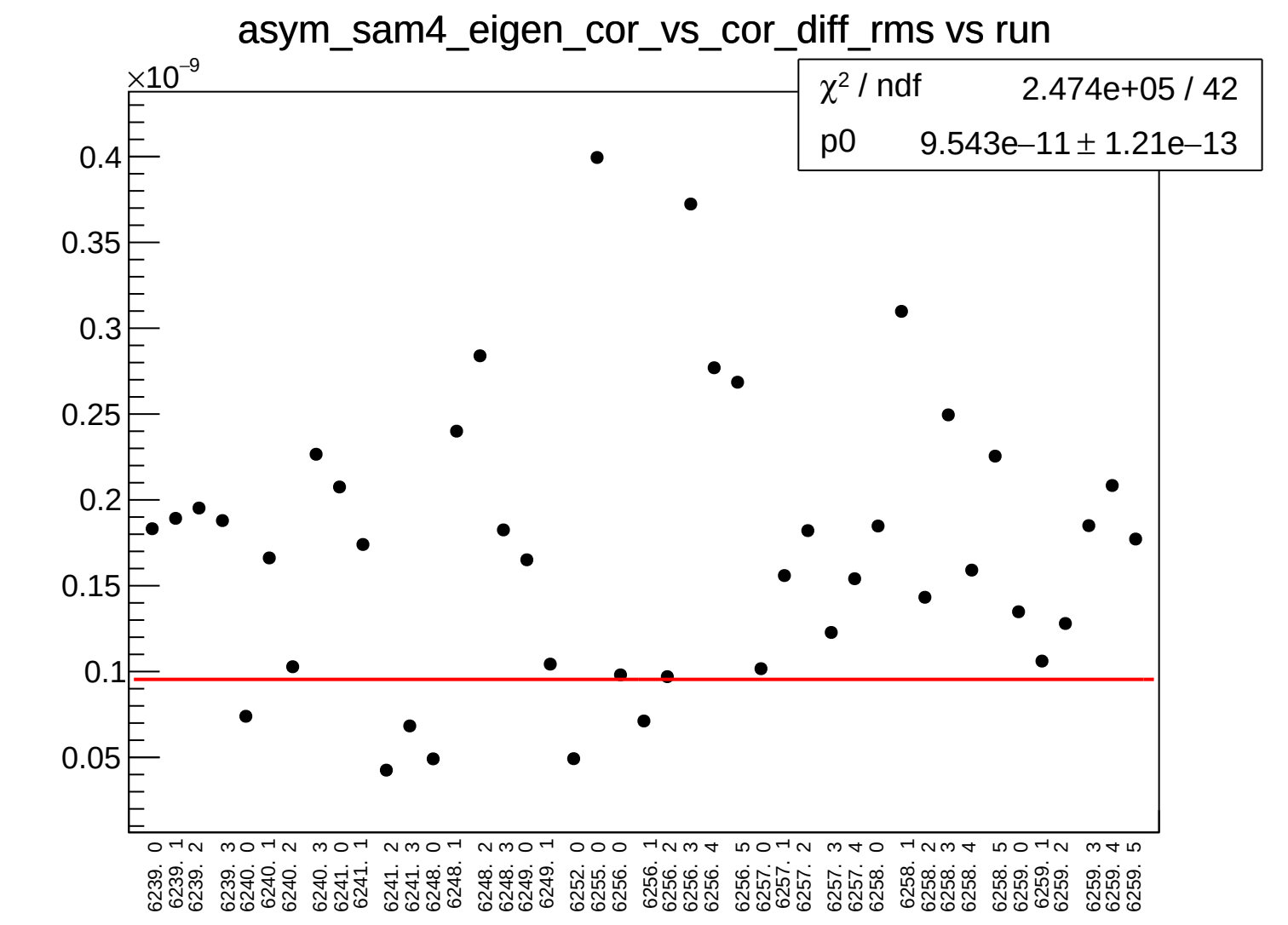

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.36 / 42
p0 0.1302 ± 0.1645
pull
Entries 43
Mean −11.54
Std Dev 0

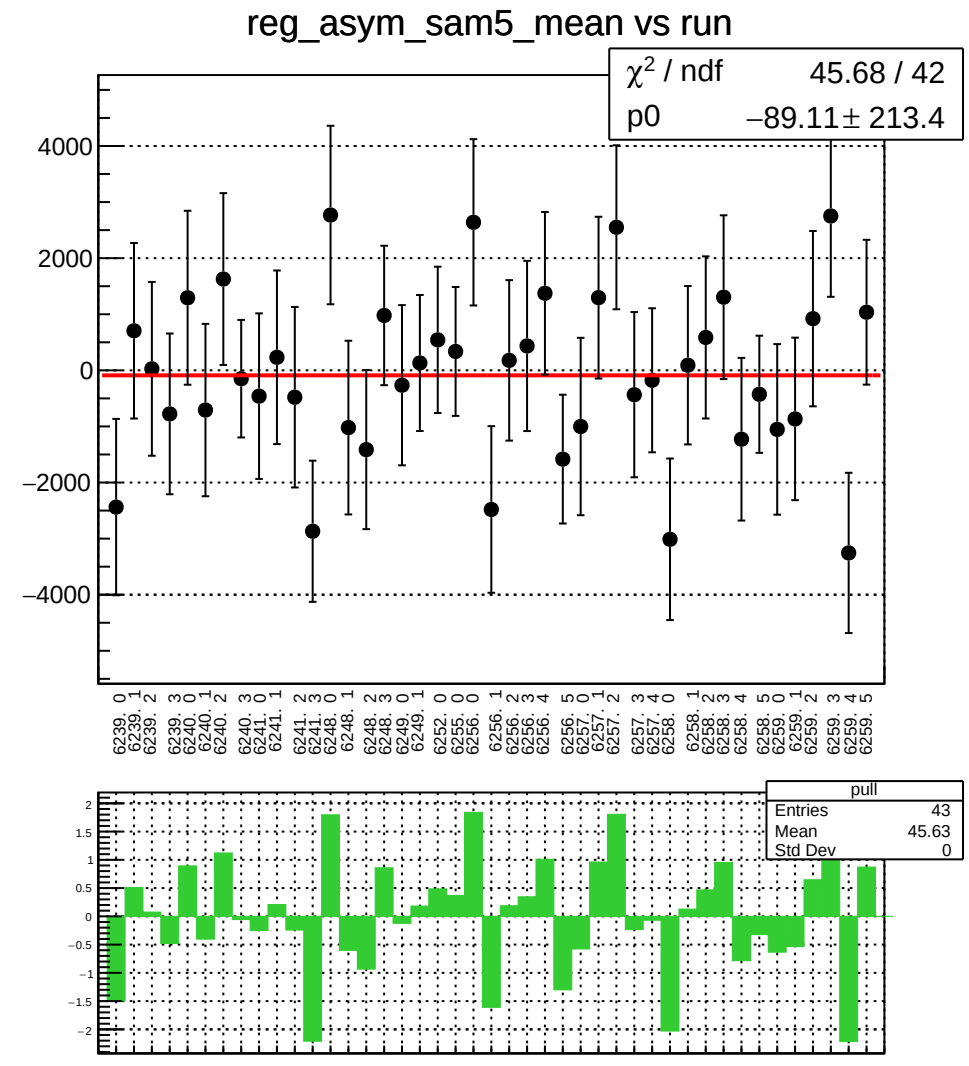

pull1D
Entries 43
Mean −0.03381
Std Dev 0.8802

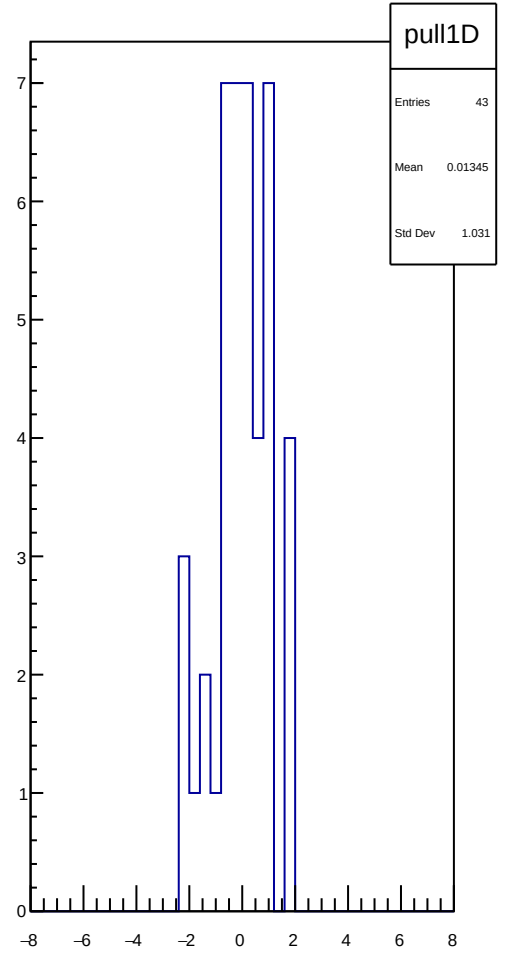

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.483e+05 / 42
p0 98.78 ± 0.1163
450
400
350
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

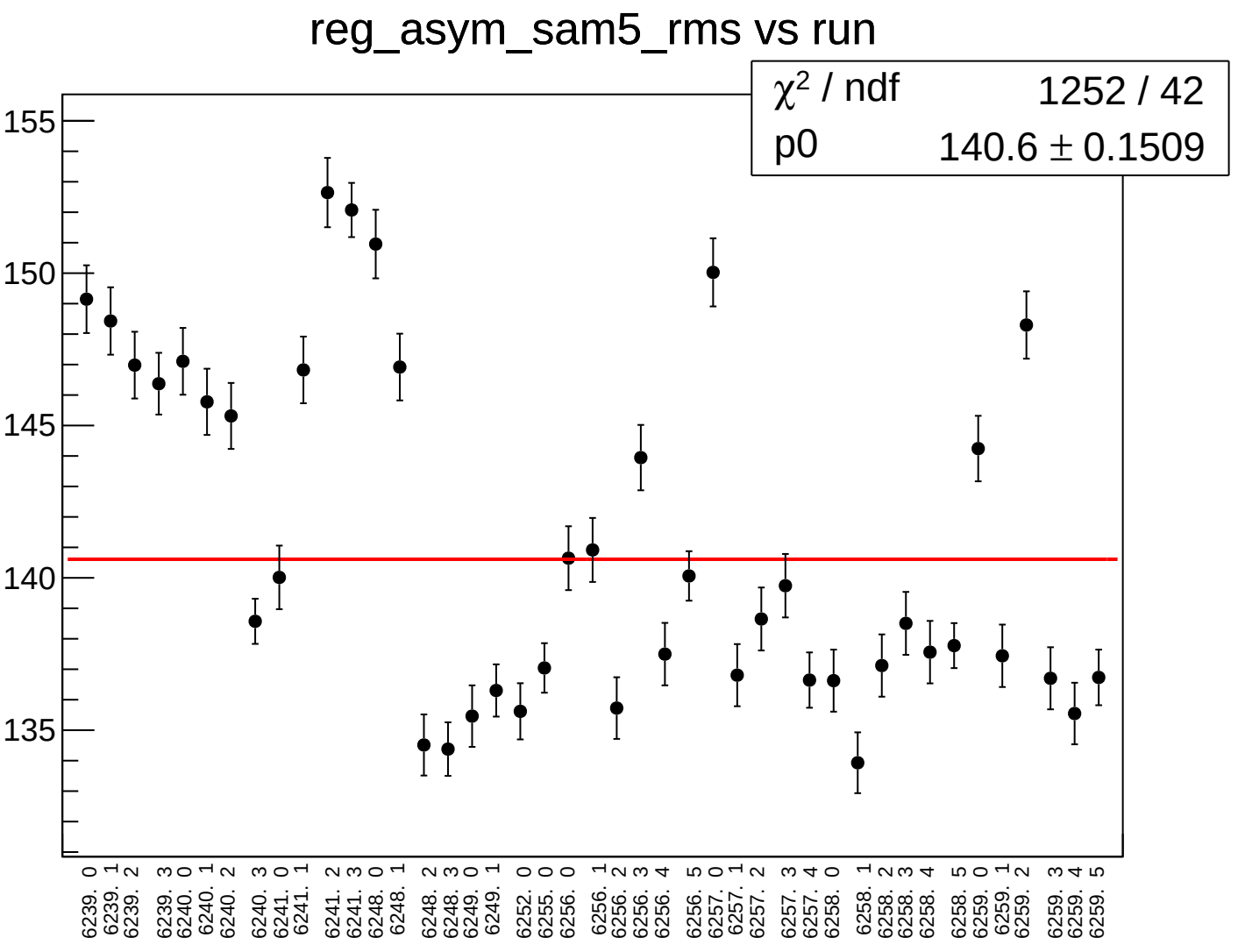

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.68 / 42
p0 −2.403e−13 ± 1.711e−13
pull
Entries 43
Mean 43.98
Std Dev 0

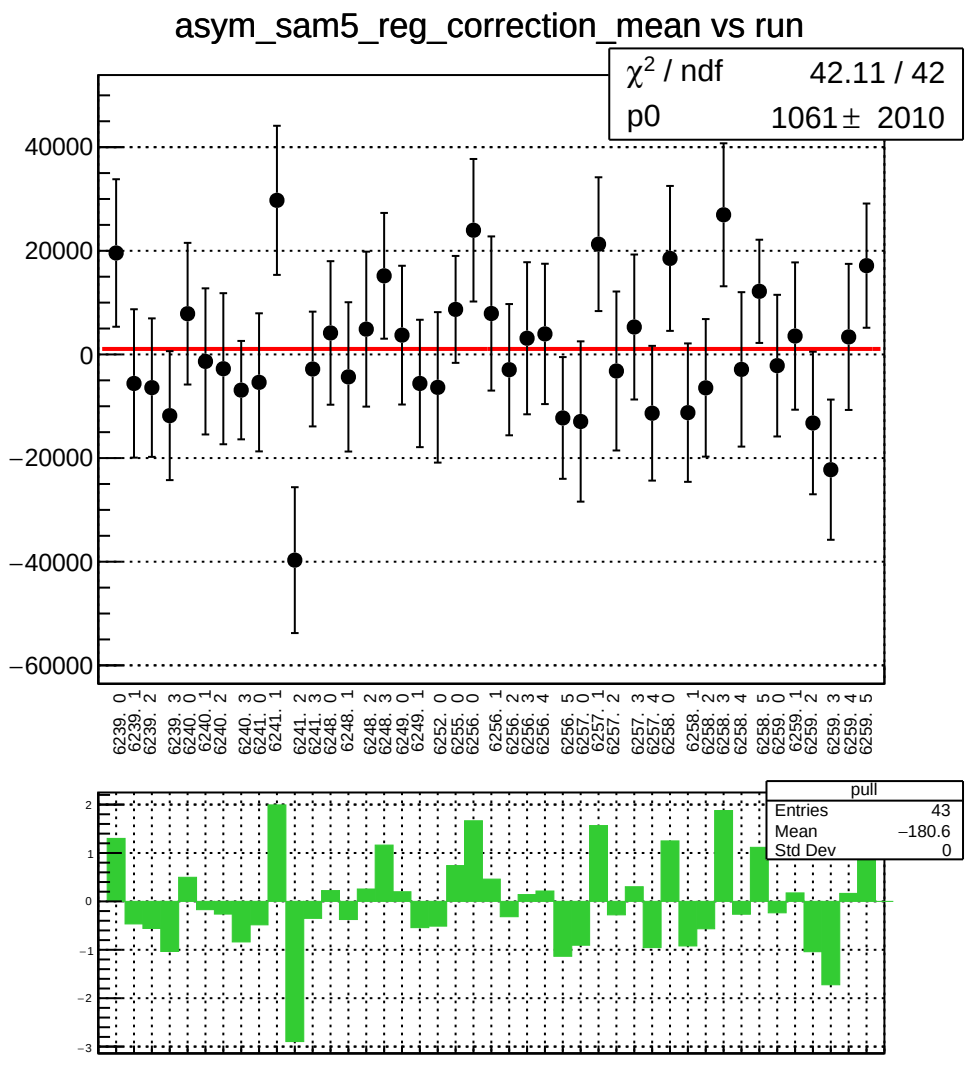

pull1D
Entries 43
Mean 0.128
Std Dev 0.988

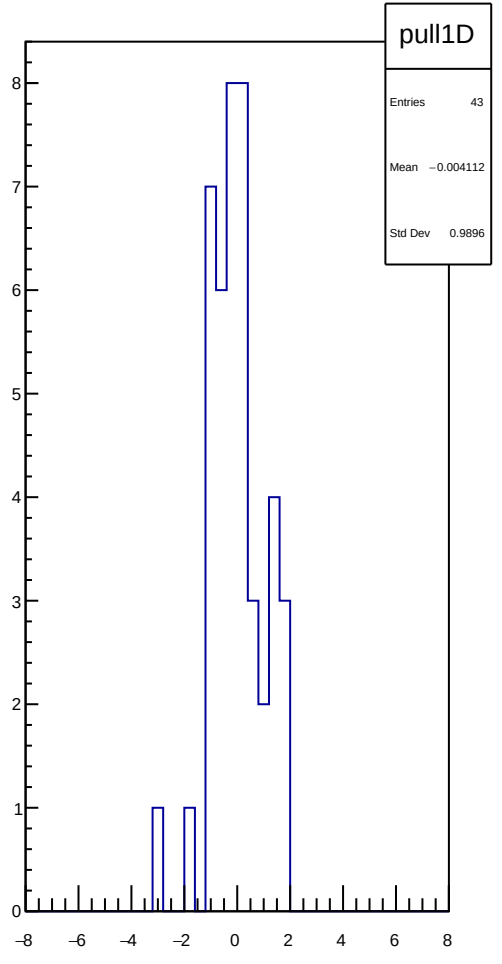

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.474e+05 / 42
p0 9.543e−11 ± 1.21e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

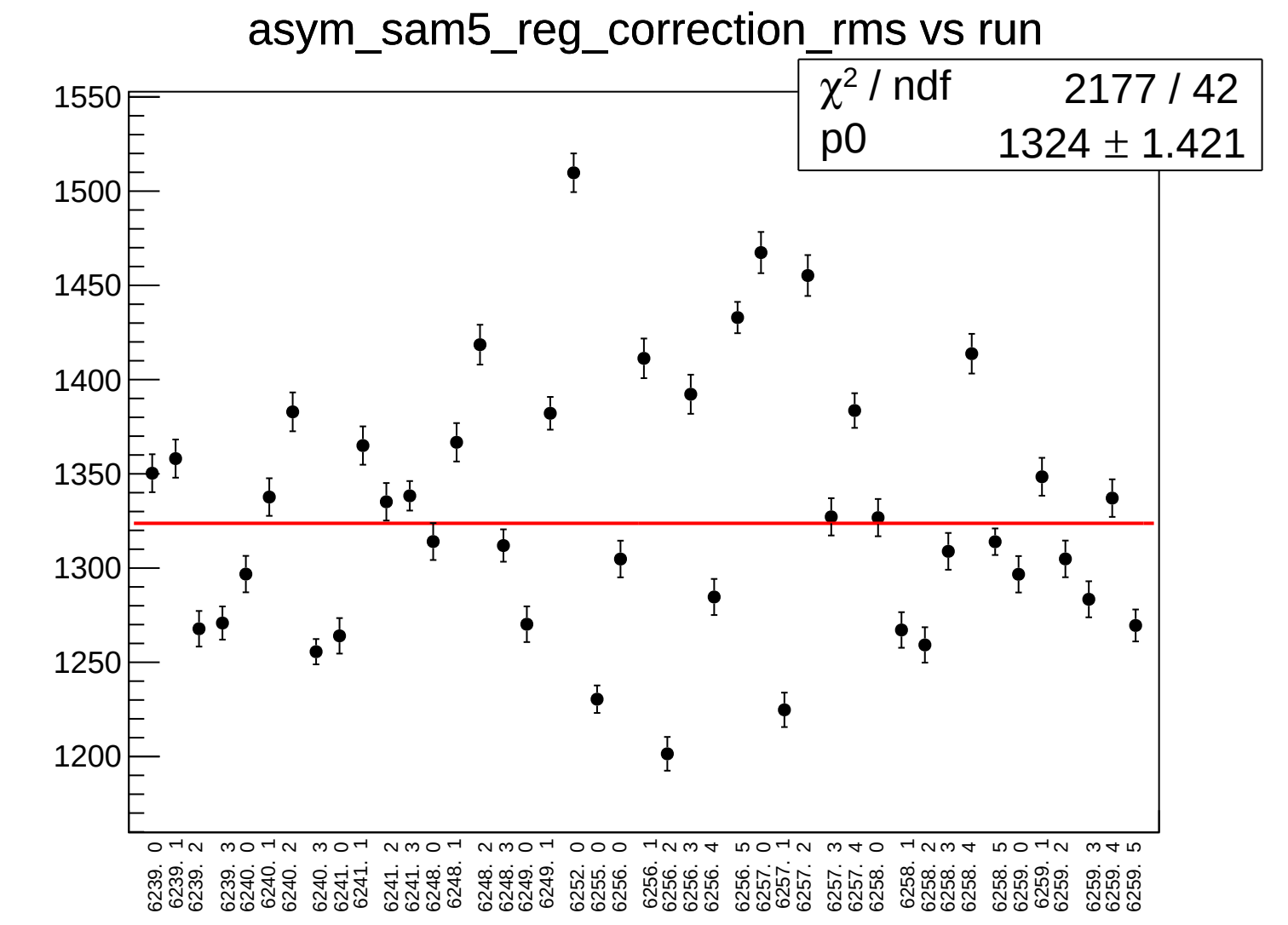

reg_asym_sam5_mean vs run
χ² / ndf 45.68 / 42
p0 −89.11± 213.4
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 45.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

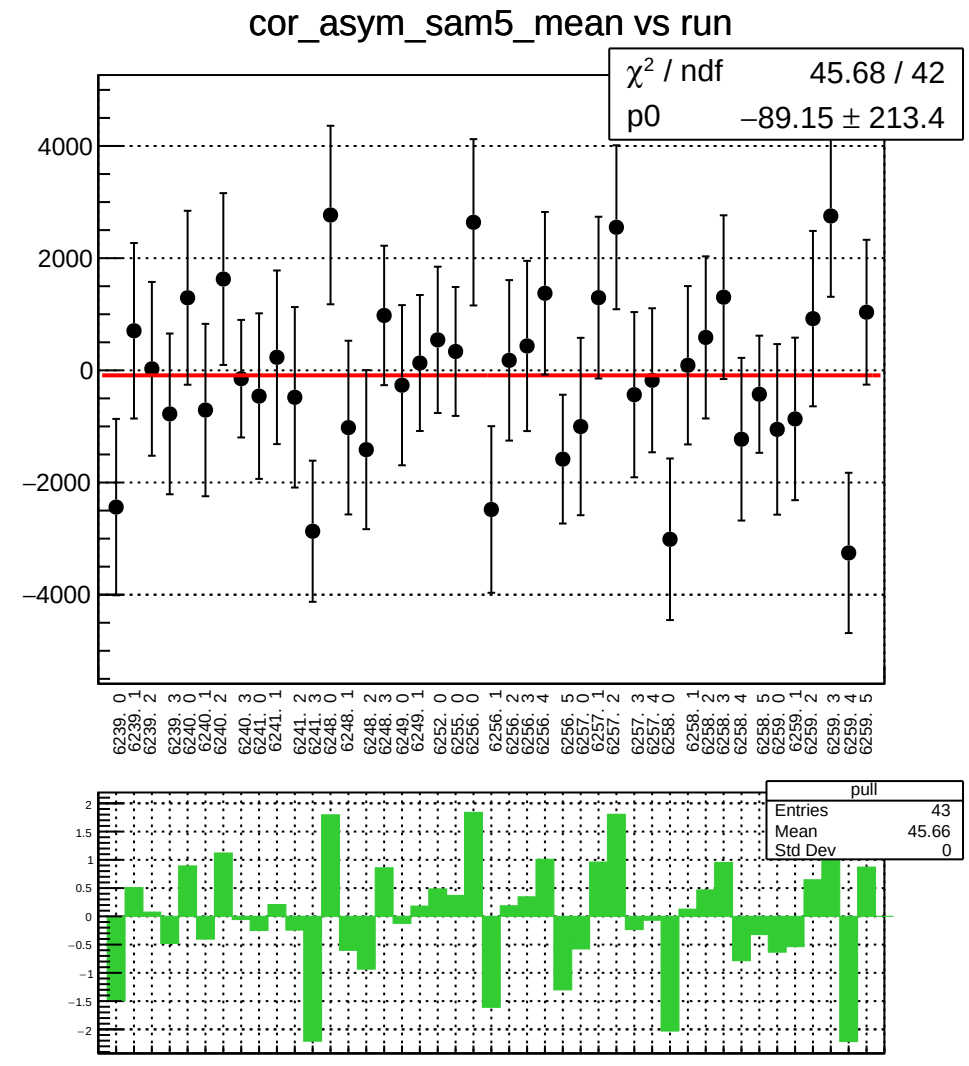

pull1D
Entries 43
Mean 0.01345
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

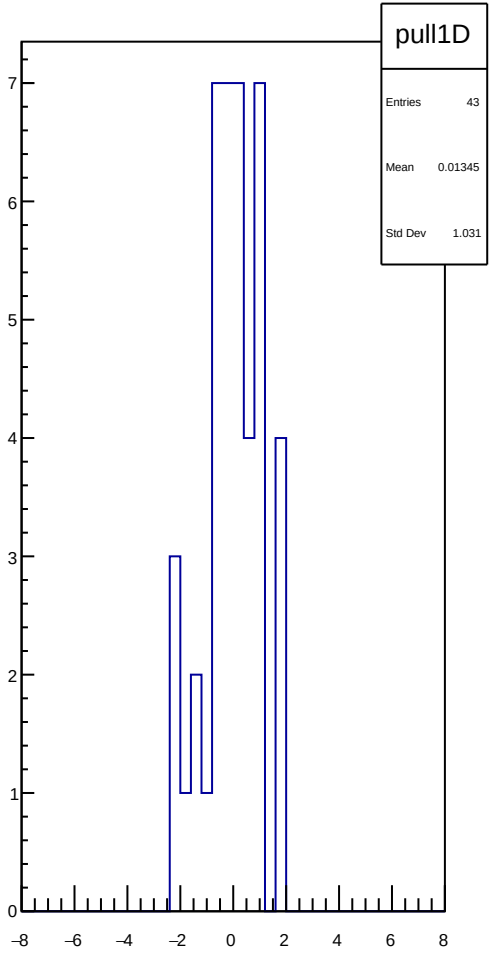

reg_asym_sam5_rms vs run
χ² / ndf 1252 / 42
p0 140.6 ± 0.1509
155
150
145
140
135
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

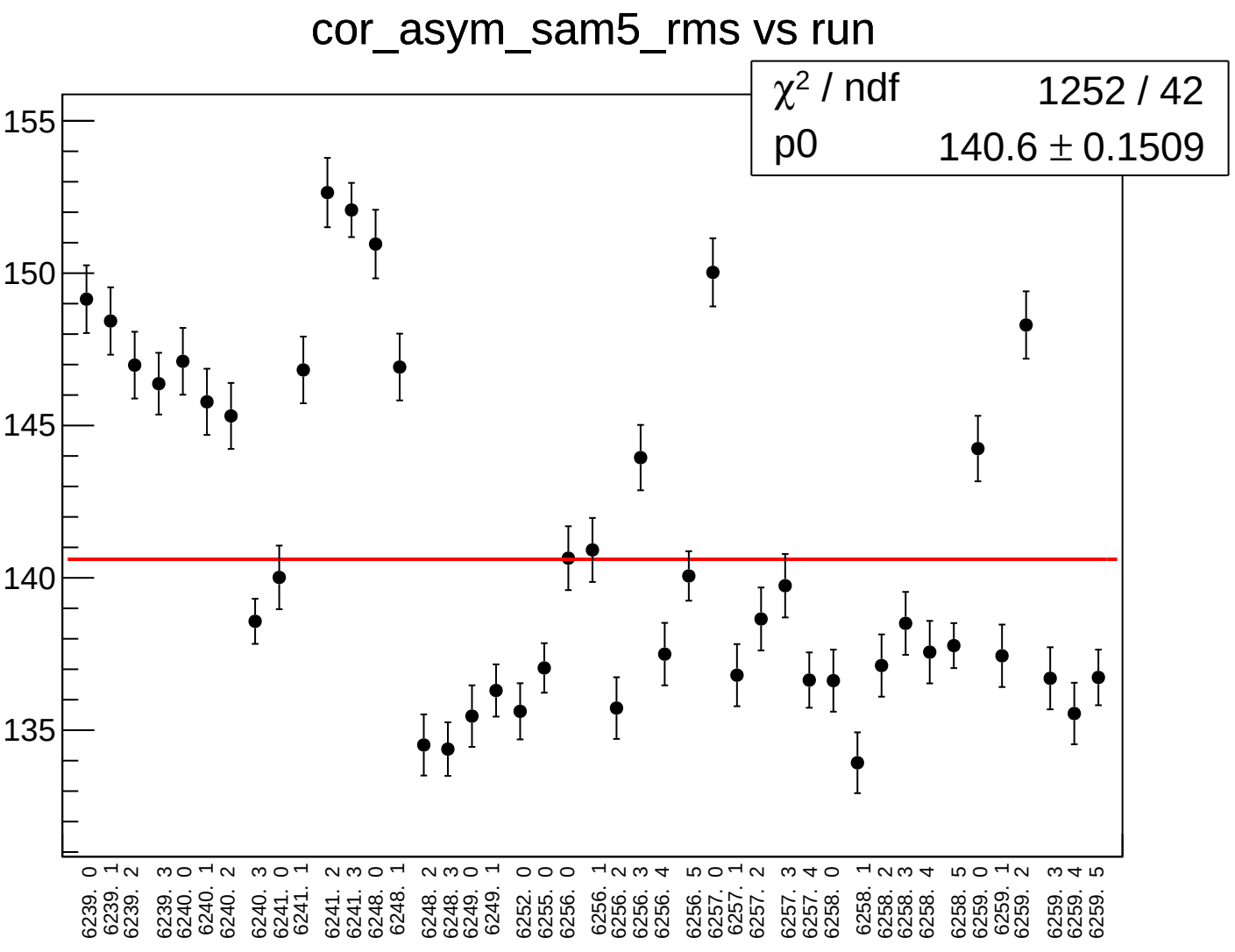

asym_sam5_reg_correction_mean vs run
χ² / ndf 42.11 / 42
p0 1061 ± 2010
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −180.6
Std Dev 0
2
1
0
−1
−2
−3

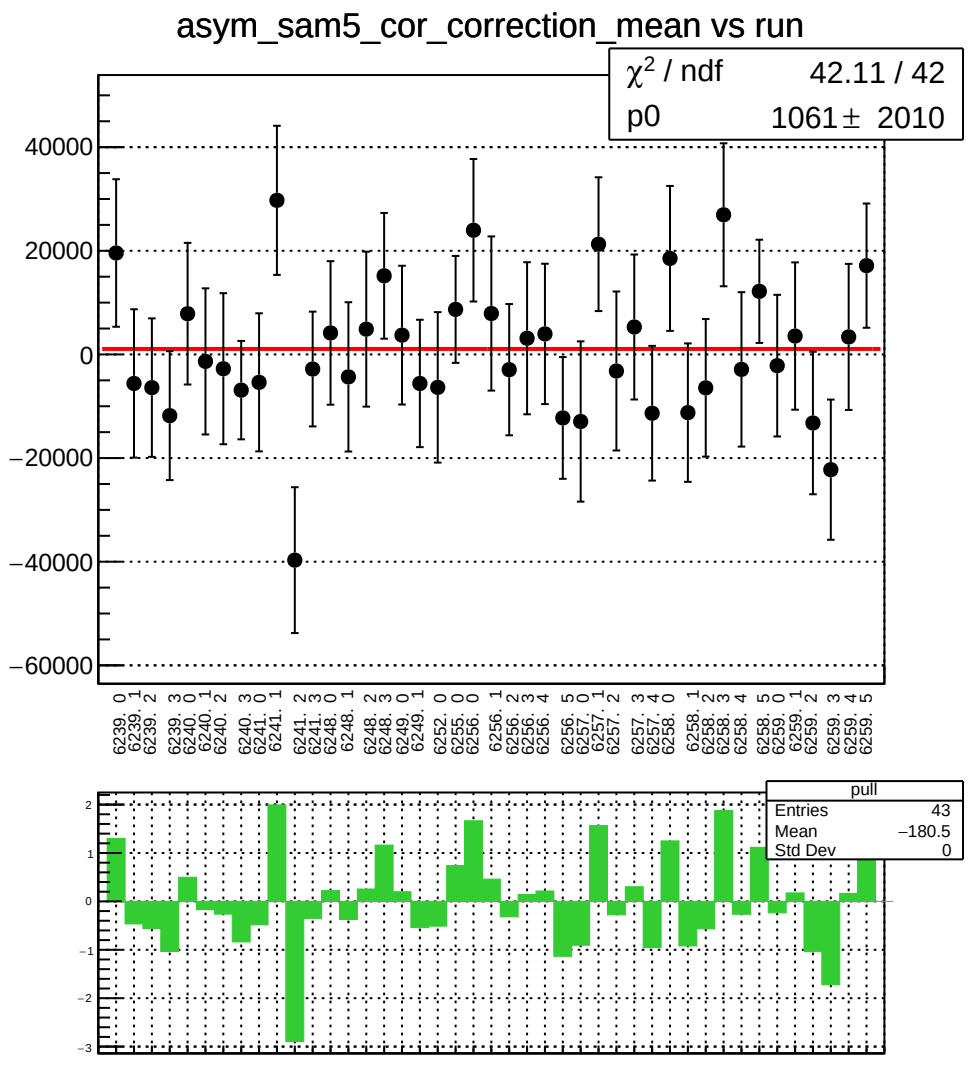

pull1D
Entries 43
Mean −0.004112
Std Dev 0.9896
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

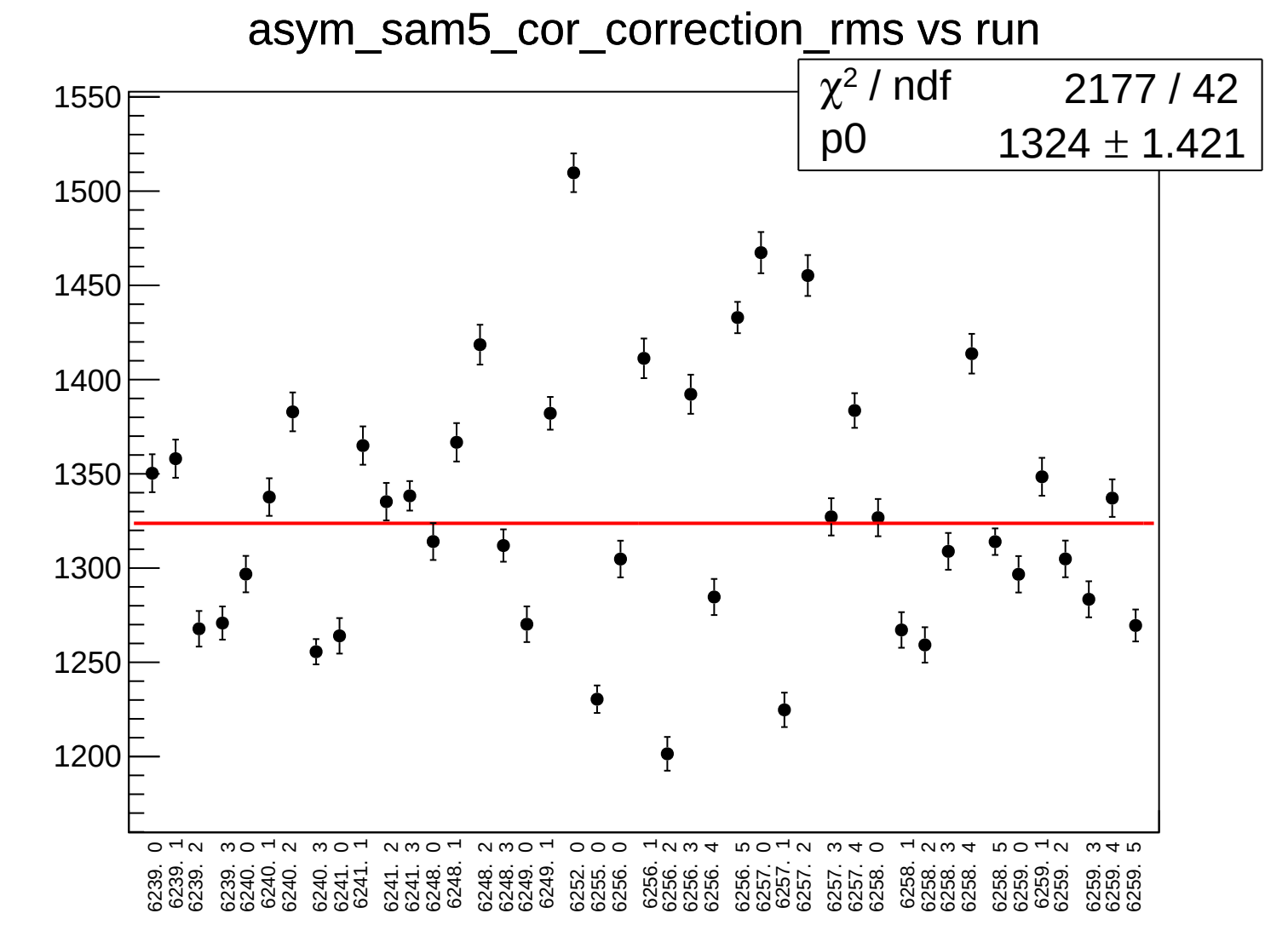

asym_sam5_reg_correction_rms vs run
χ² / ndf 2177 / 42
p0 1324 ± 1.421
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

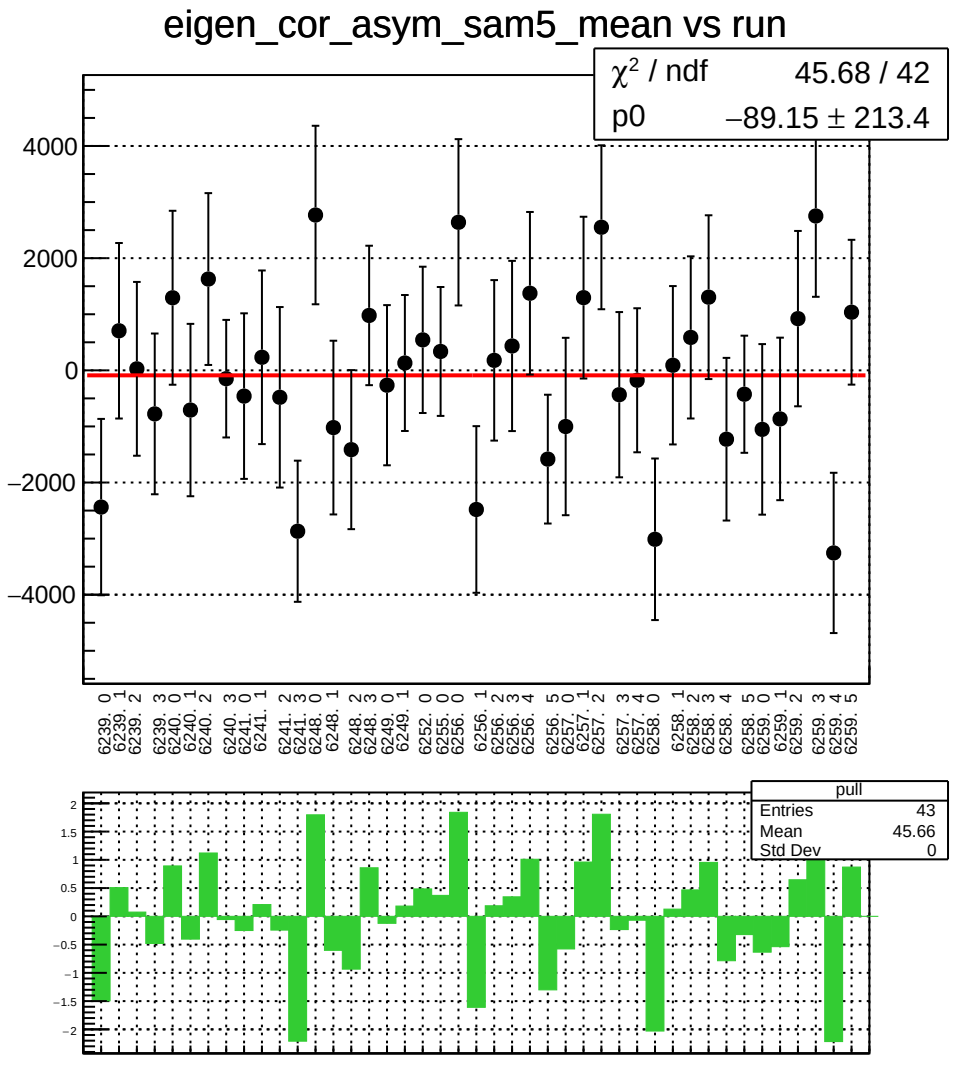

cor_asym_sam5_mean vs run
χ² / ndf 45.68 / 42
p0 −89.15 ± 213.4
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 45.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

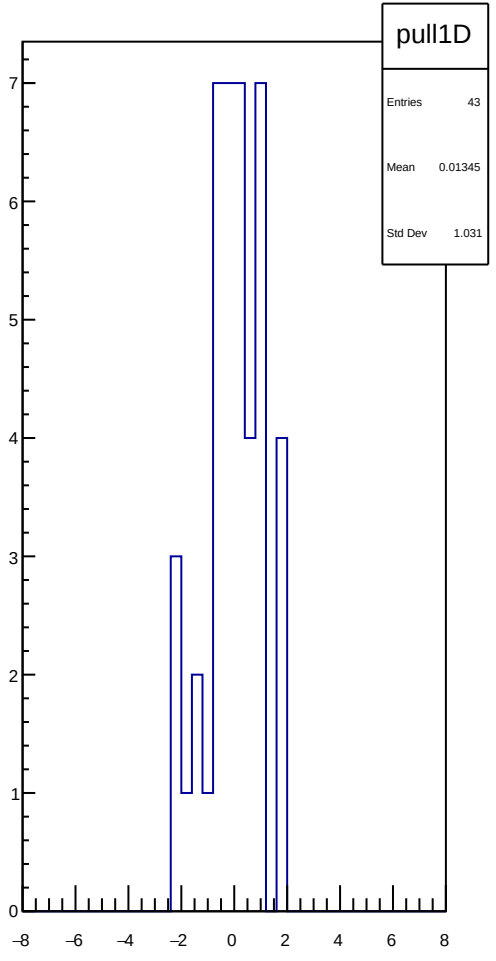

pull1D
Entries 43
Mean 0.01345
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

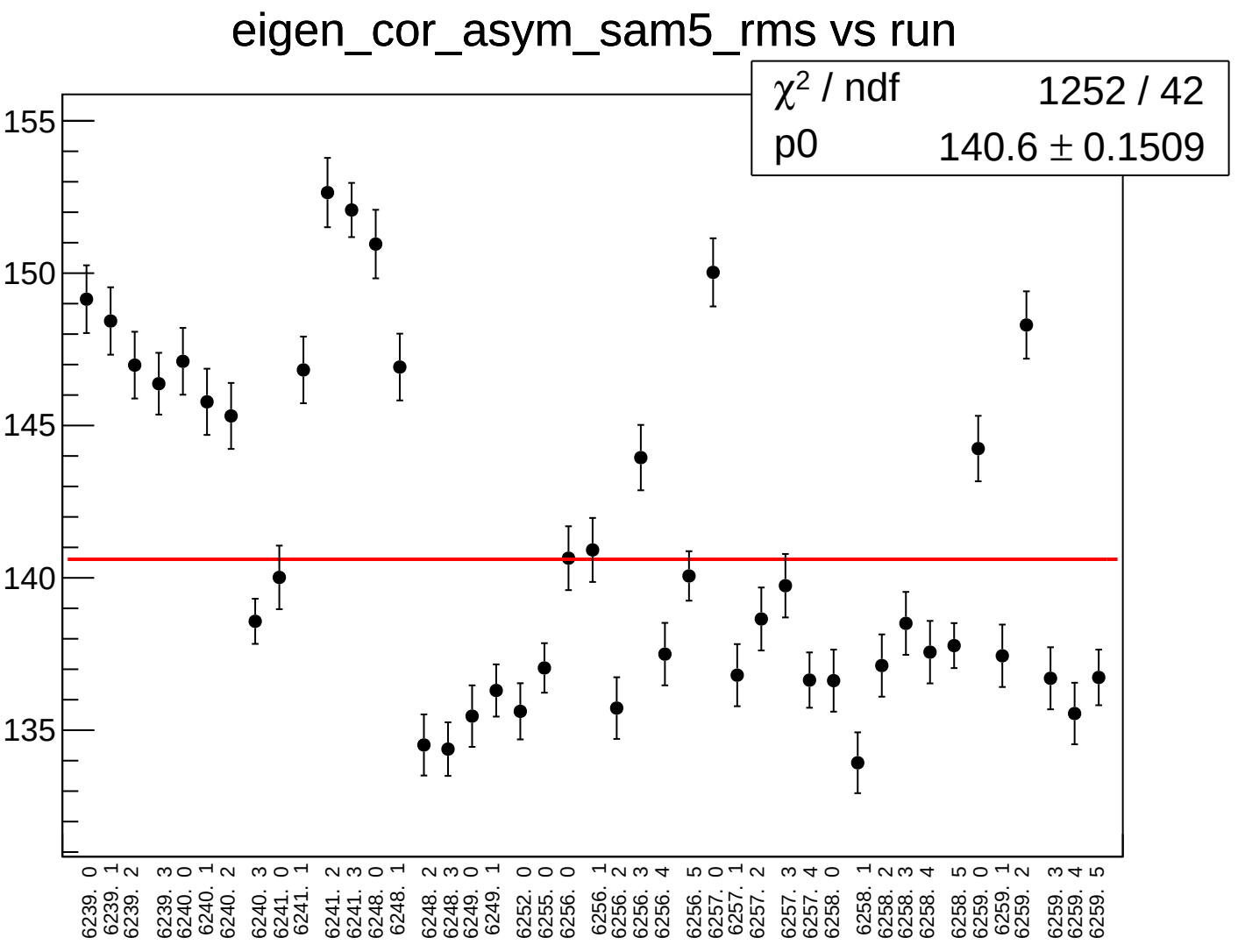

cor_asym_sam5_rms vs run
$\chi^2$ / ndf 1252 / 42
p0 140.6 ± 0.1509
155
150
145
140
135
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

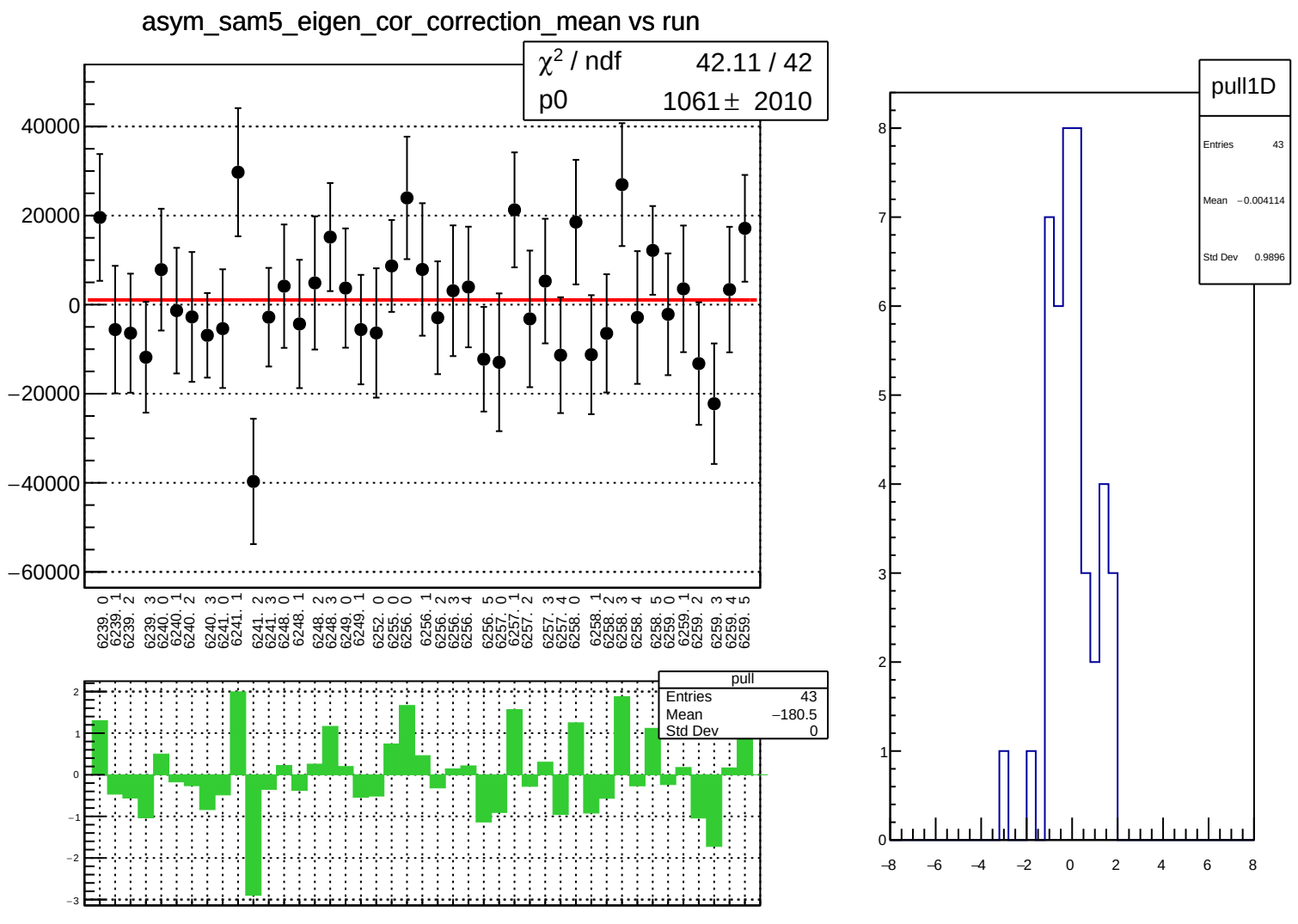

asym_sam5_cor_correction_mean vs run
χ² / ndf 42.11 / 42
p0 1061 ± 2010
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −180.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.004114
Std Dev 0.9896
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

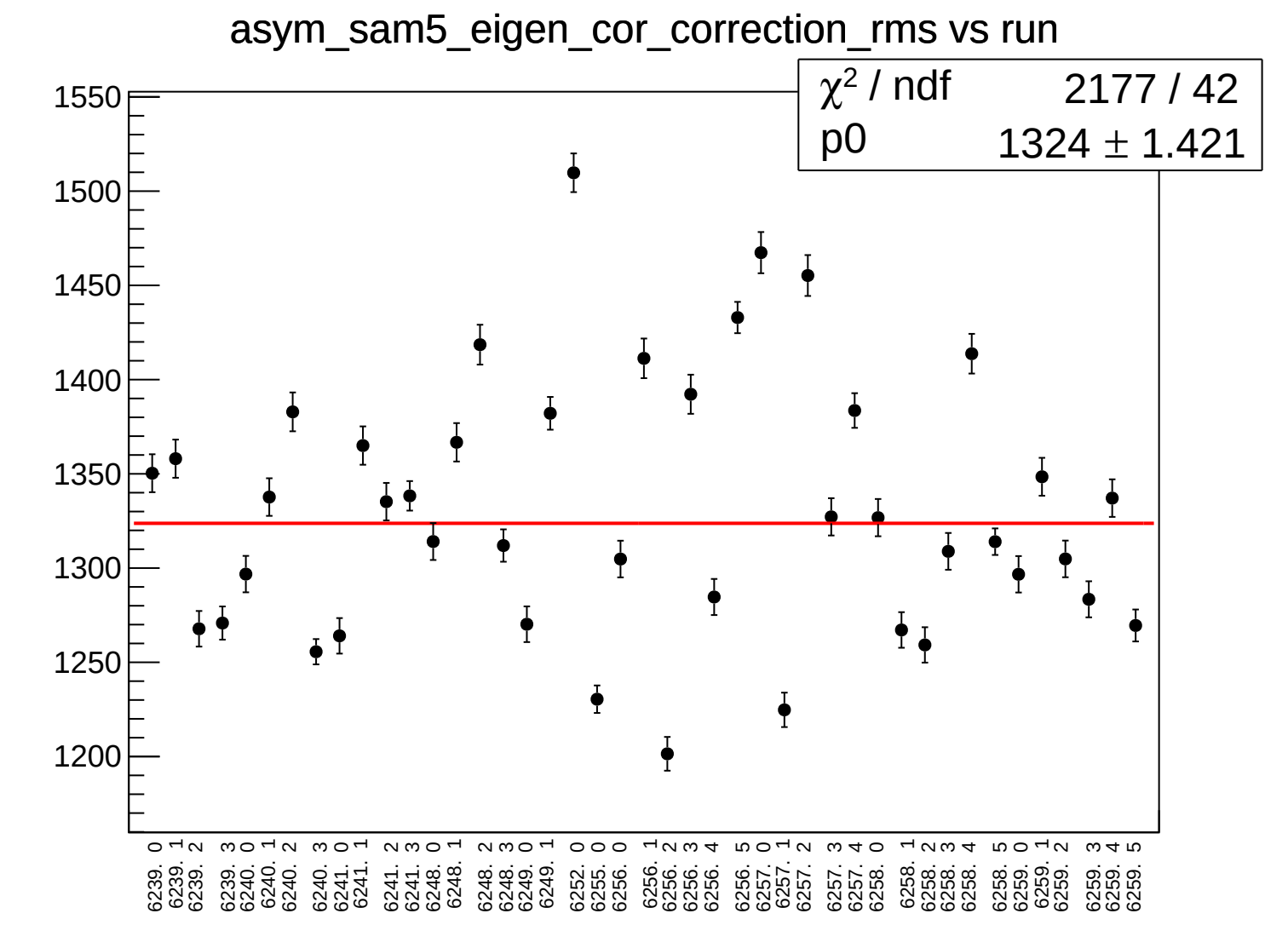

asym_sam5_cor_correction_rms vs run
χ² / ndf 2177 / 42
p0 1324 ± 1.421
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

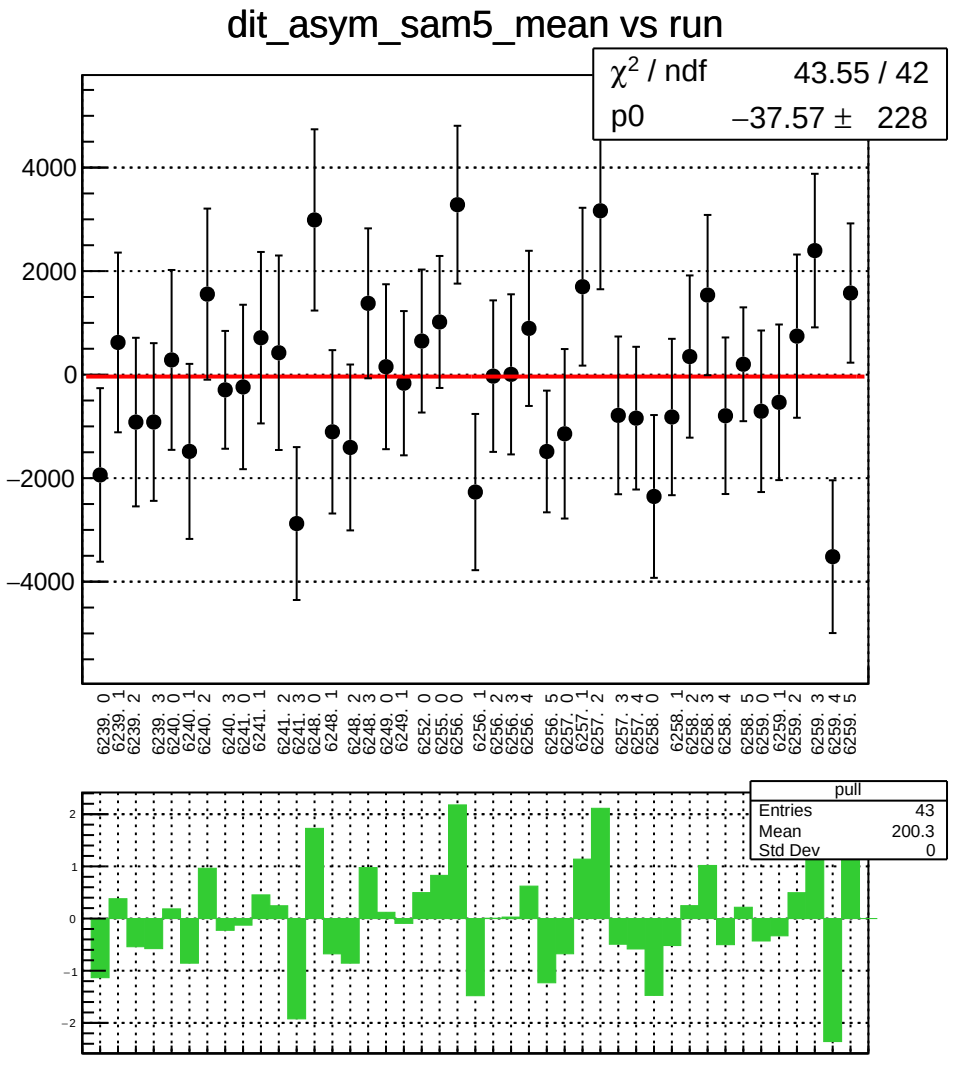

eigen_cor_asym_sam5_mean vs run
χ² / ndf 45.68 / 42
p0 −89.15 ± 213.4
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 45.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

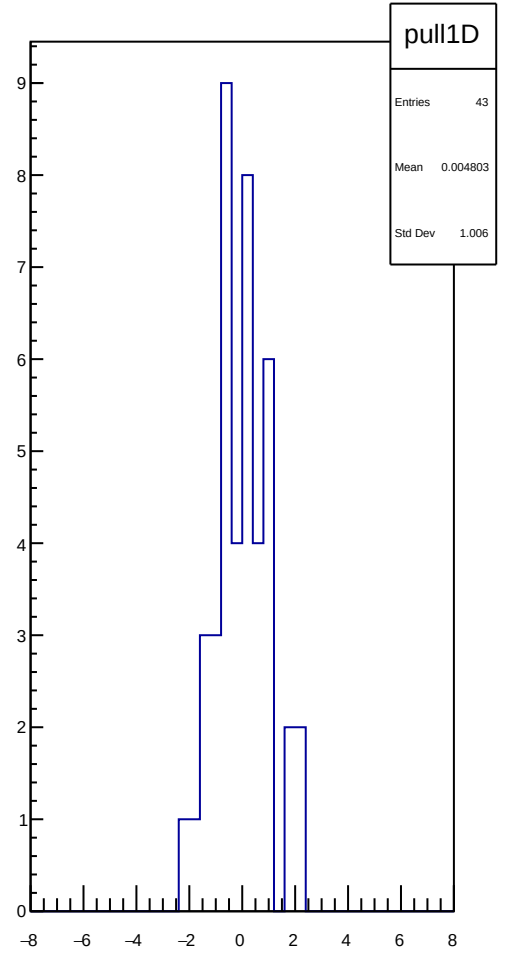

pull1D
Entries 43
Mean 0.01345
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

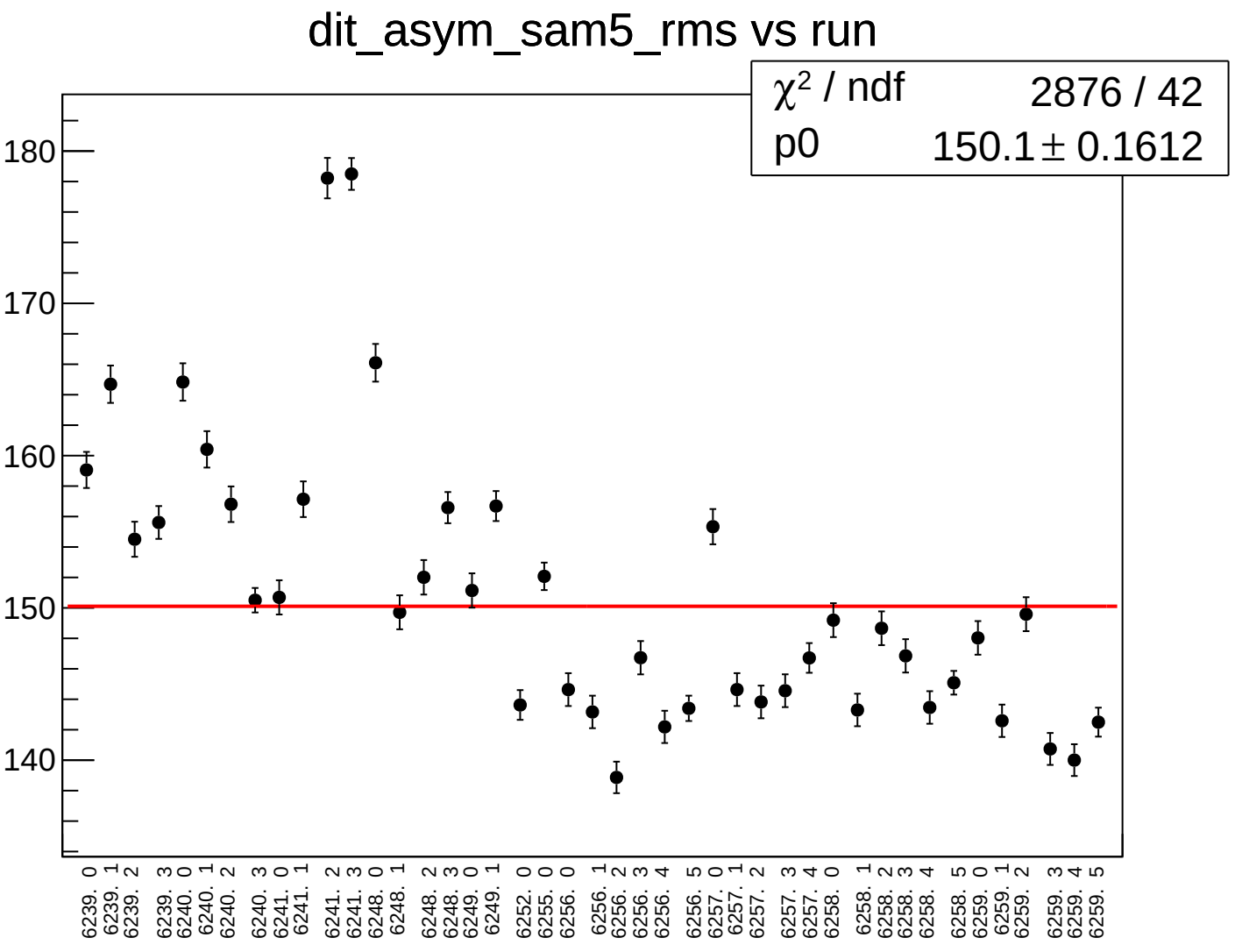

eigen_cor_asym_sam5_rms vs run
χ² / ndf 1252 / 42
p0 140.6 ± 0.1509
155
150
145
140
135
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

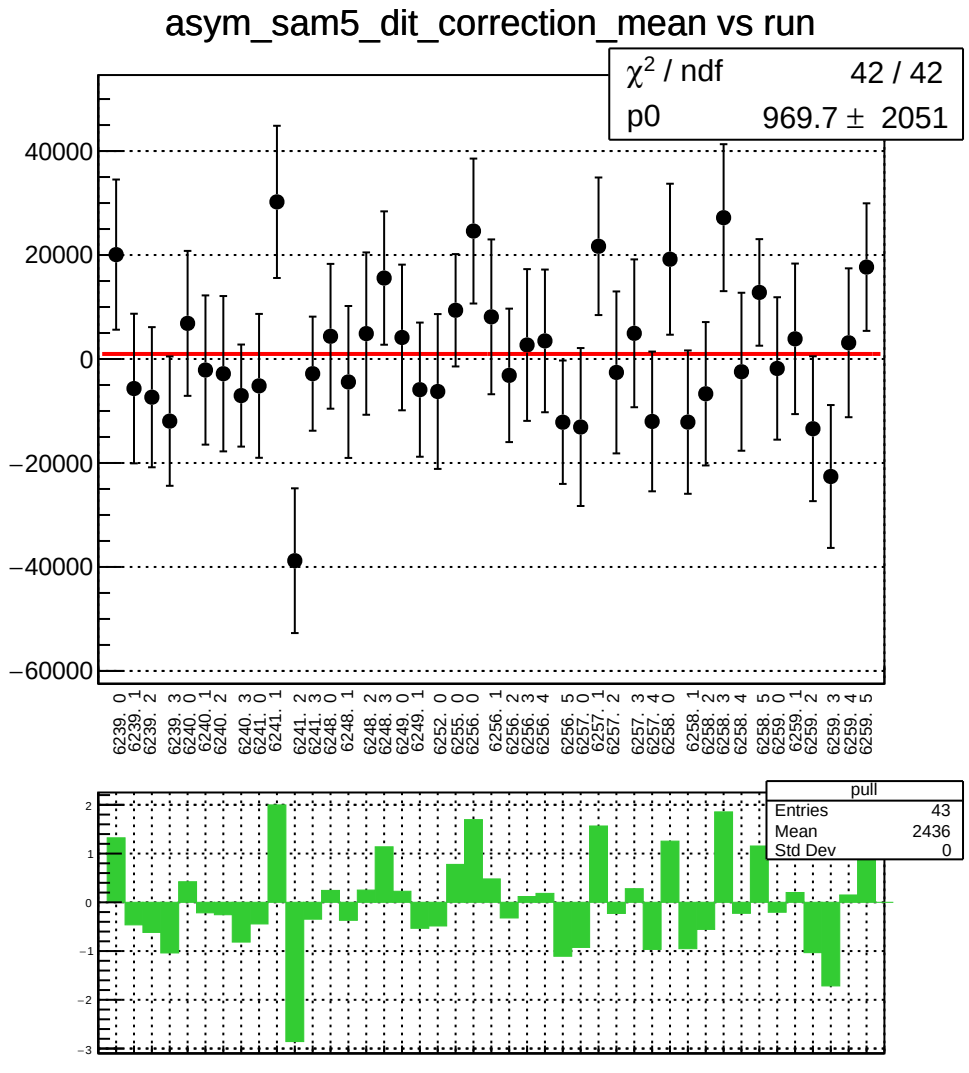

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 42.11 / 42
p0 1061 ± 2010
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −180.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.004114
Std Dev 0.9896
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

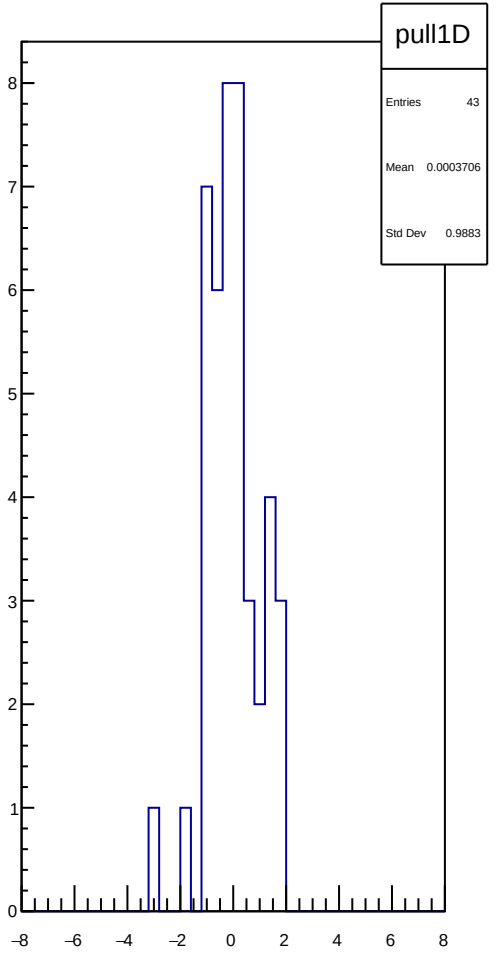

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 2177 / 42
p0 1324 ± 1.421
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

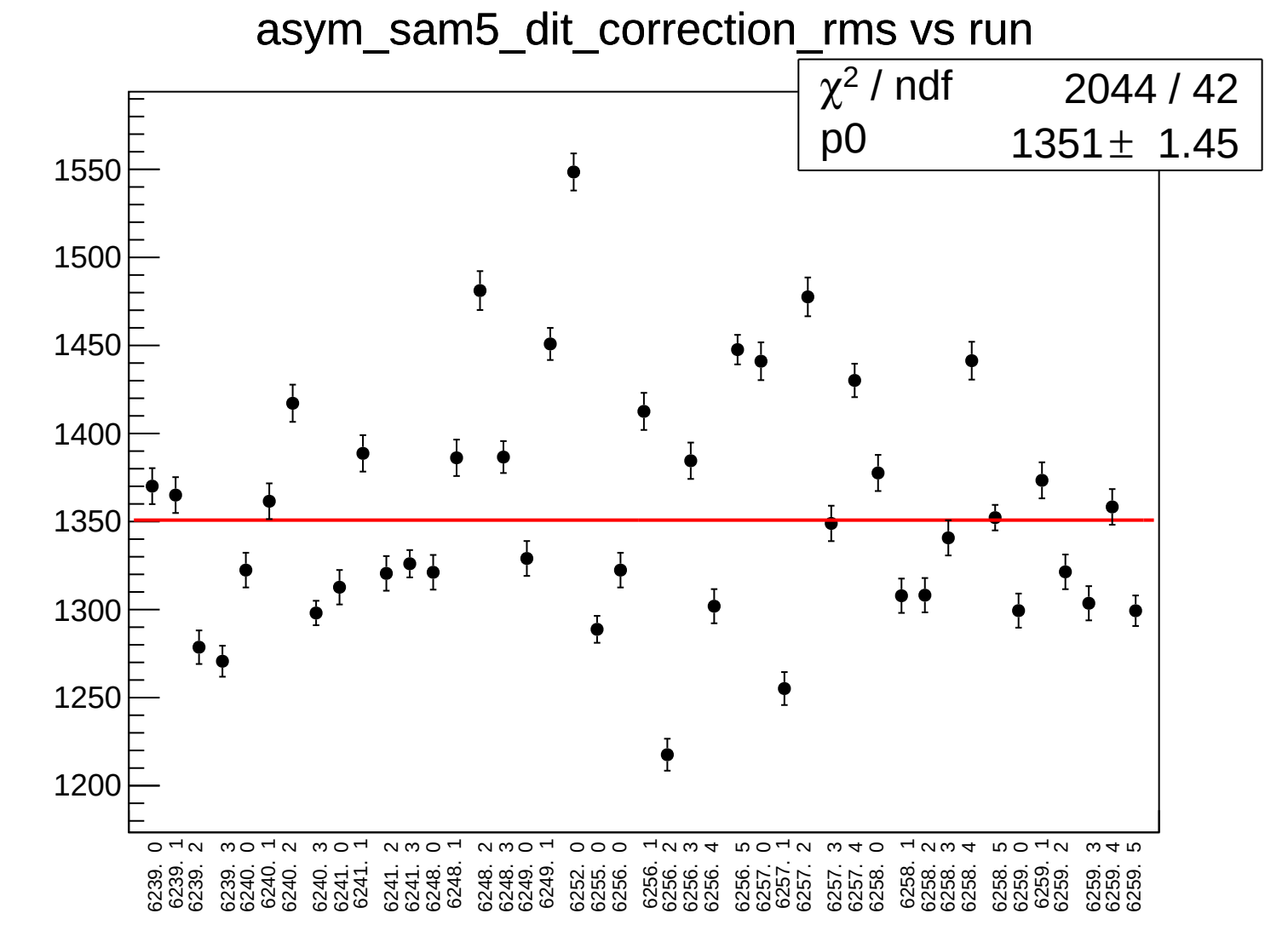

dit_asym_sam5_mean vs run
χ² / ndf 43.55 / 42
p0 −37.57 ± 228
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 200.3
Std Dev 0
2
1
0
−1
−2

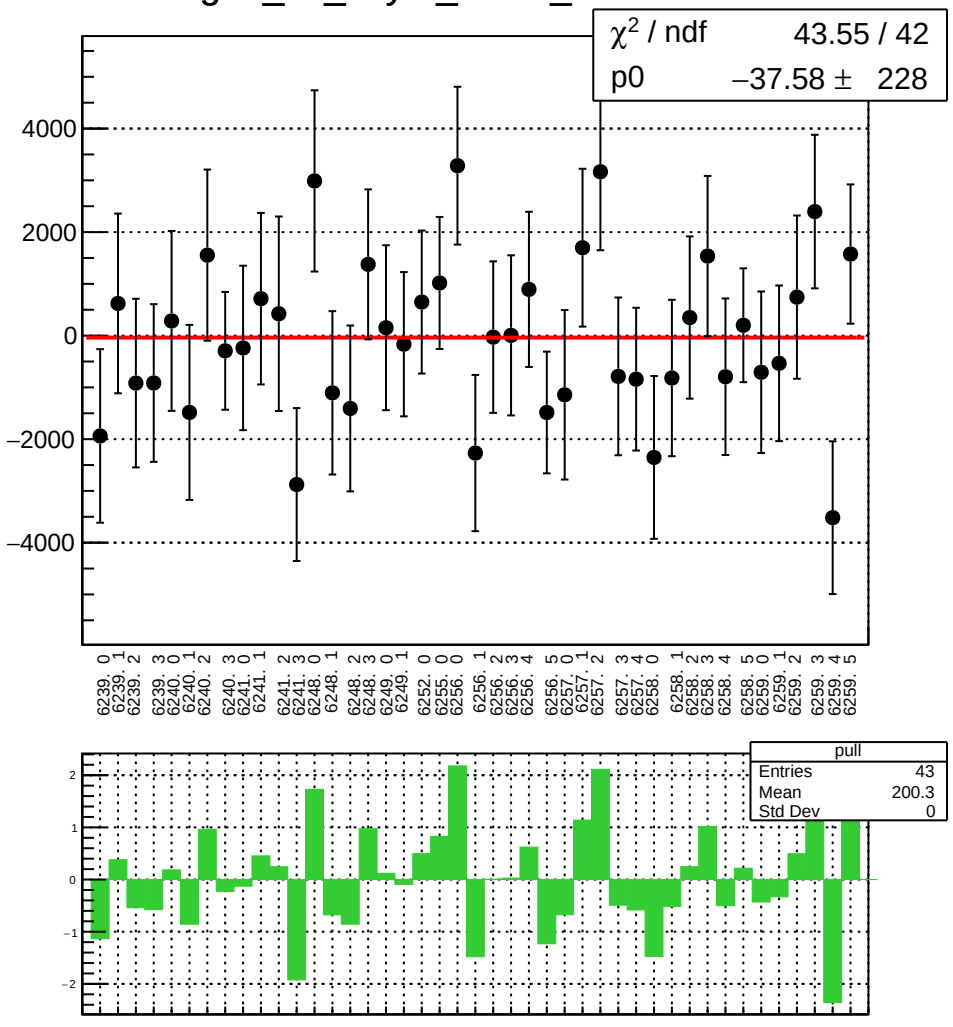

pull1D
Entries 43
Mean 0.004803
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

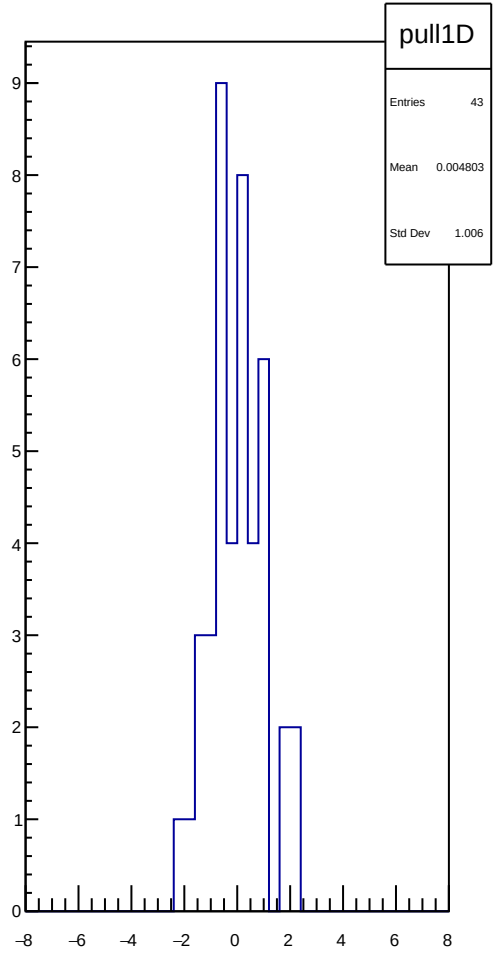

dit_asym_sam5_rms vs run
χ² / ndf 2876 / 42
p0 150.1 ± 0.1612
180
170
160
150
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

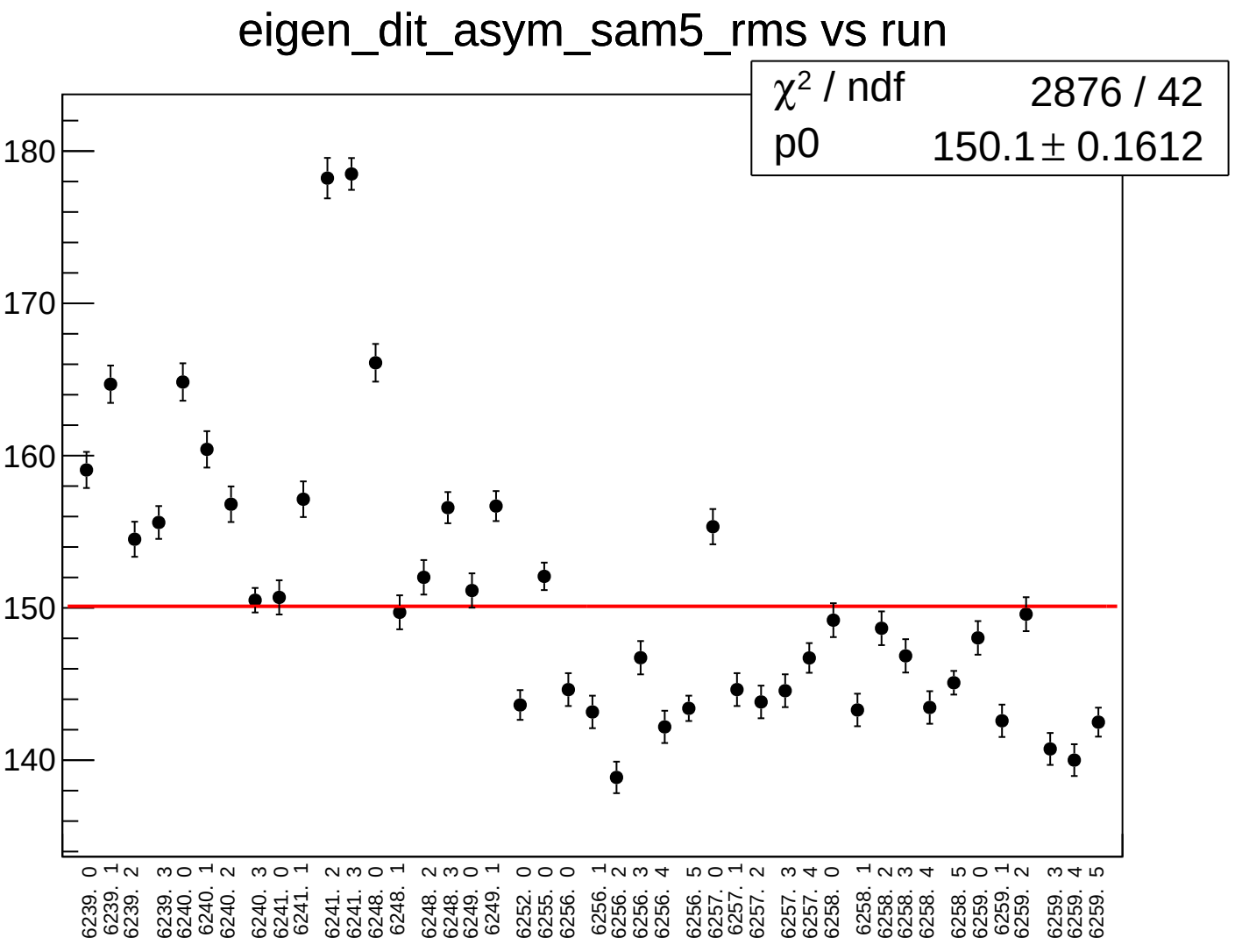

asym_sam5_dit_correction_mean vs run
χ² / ndf 42 / 42
p0 969.7 ± 2051
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2436
Std Dev 0
2
1
0
−1
−2
−3

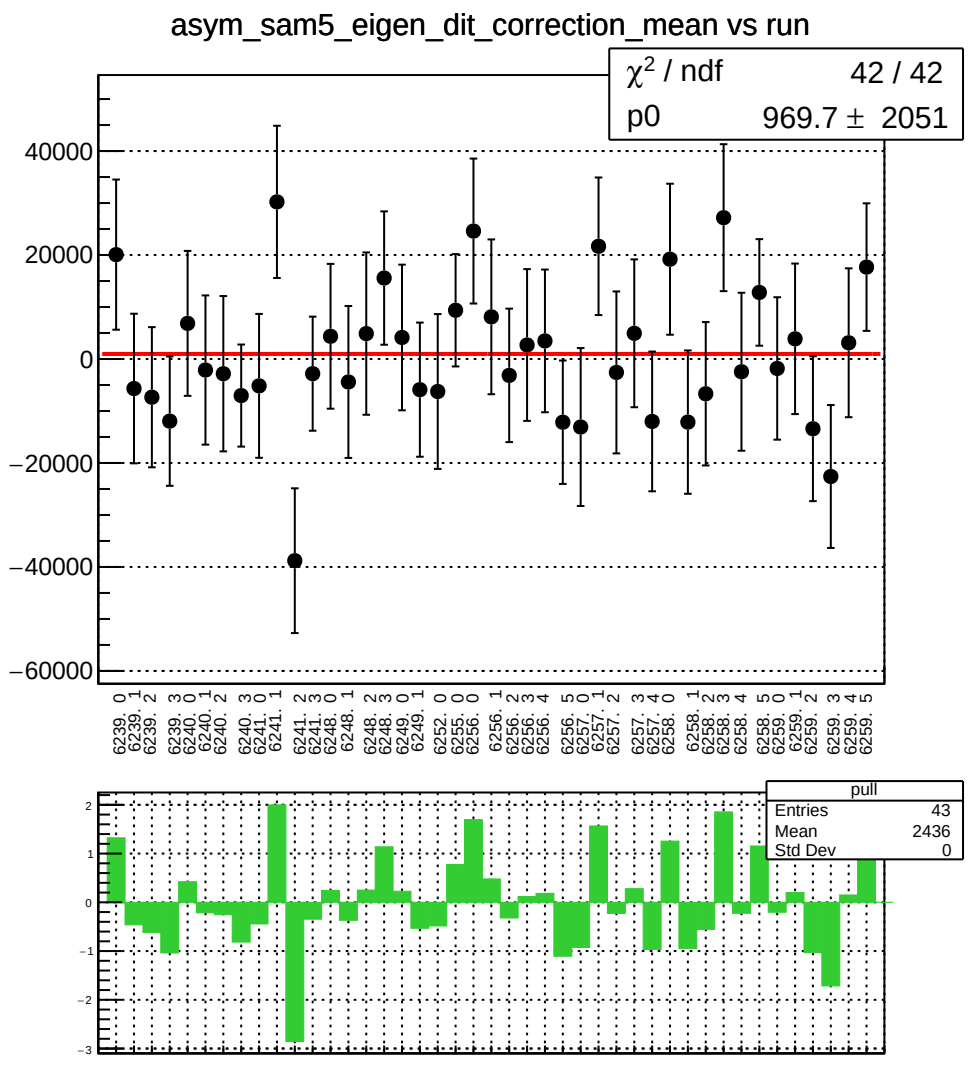

pull1D
Entries 43
Mean 0.0003706
Std Dev 0.9883
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

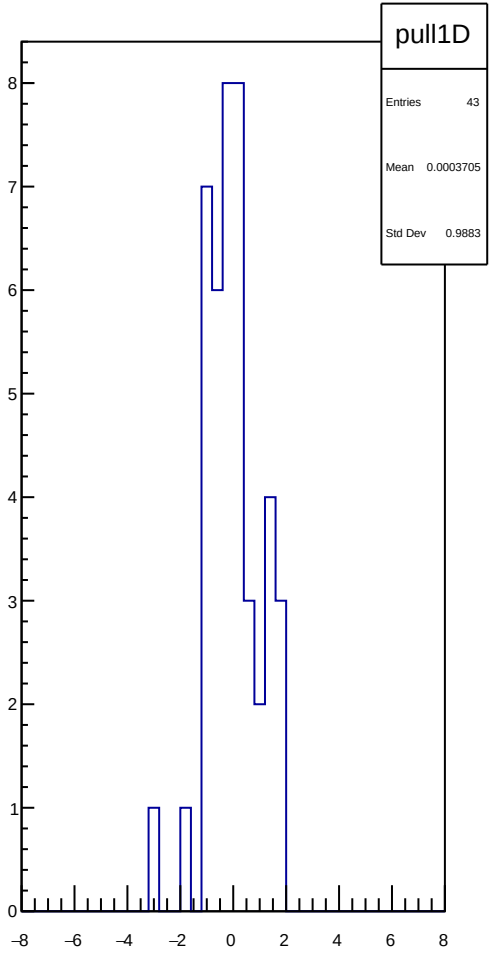

asym_sam5_dit_correction_rms vs run
χ² / ndf 2044 / 42
p0 1351 ± 1.45
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

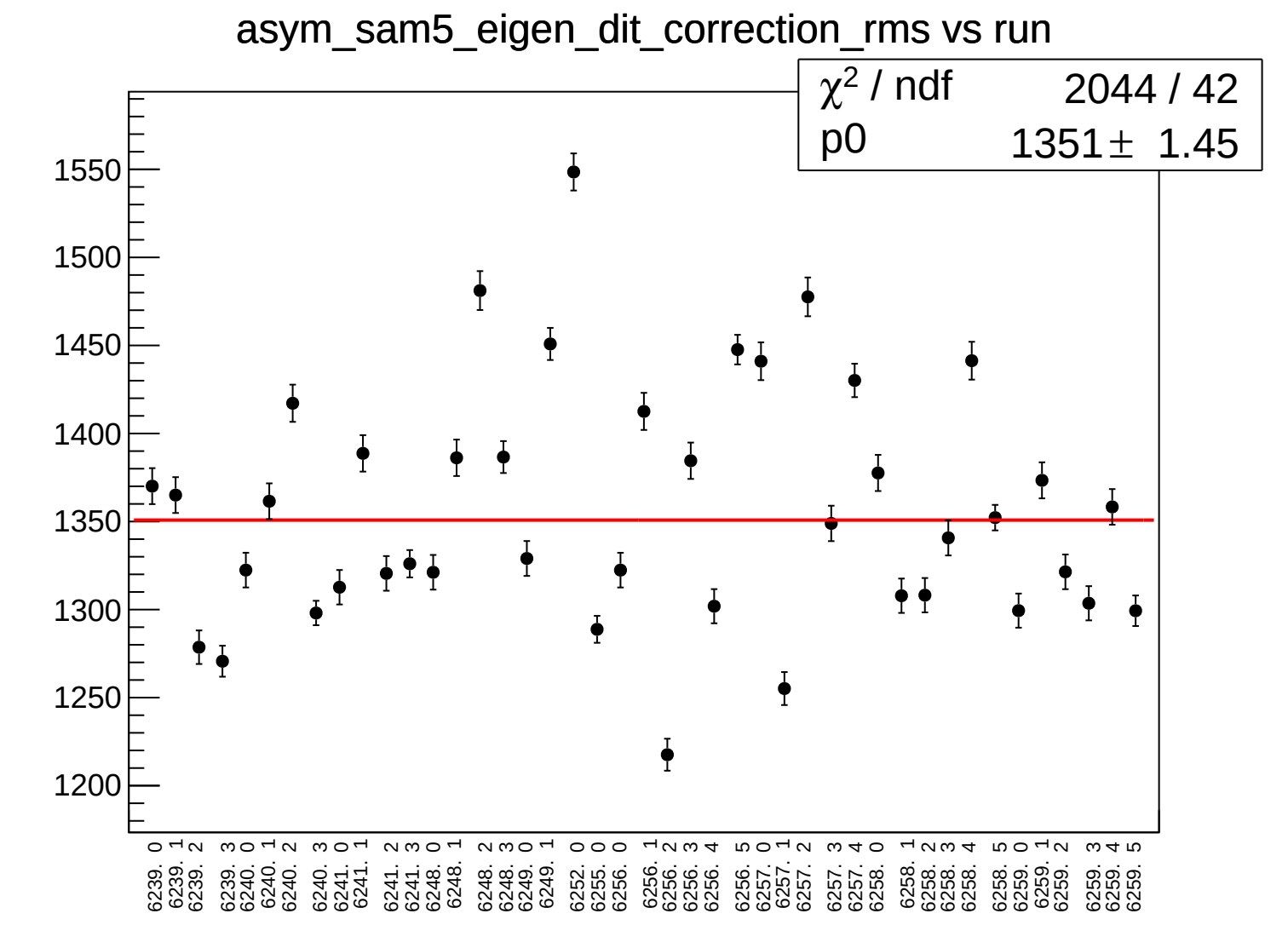

eigen_dit_asym_sam5_mean vs run
χ² / ndf 43.55 / 42
p0 −37.58 ± 228
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 200.3
Std Dev 0
2
1
0
−1
−2

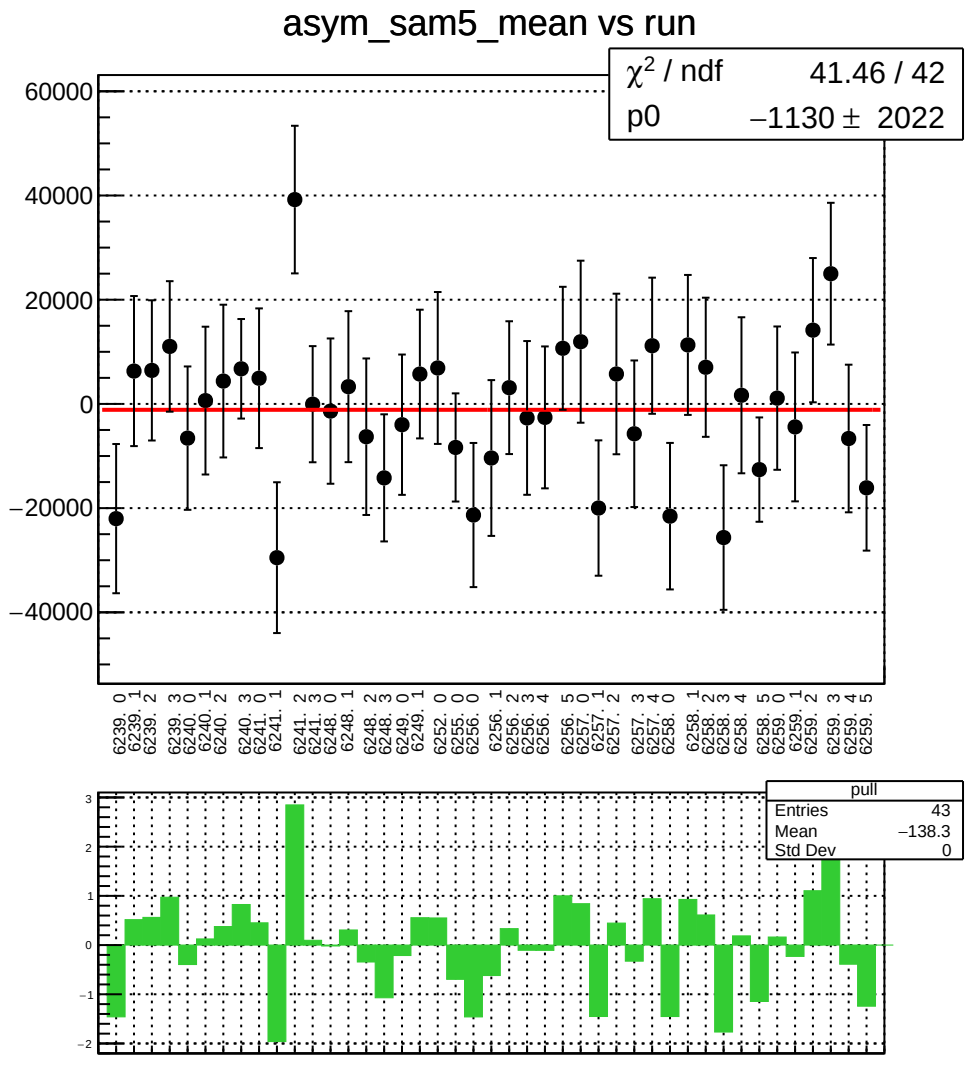

pull1D
Entries 43
Mean 0.004803
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

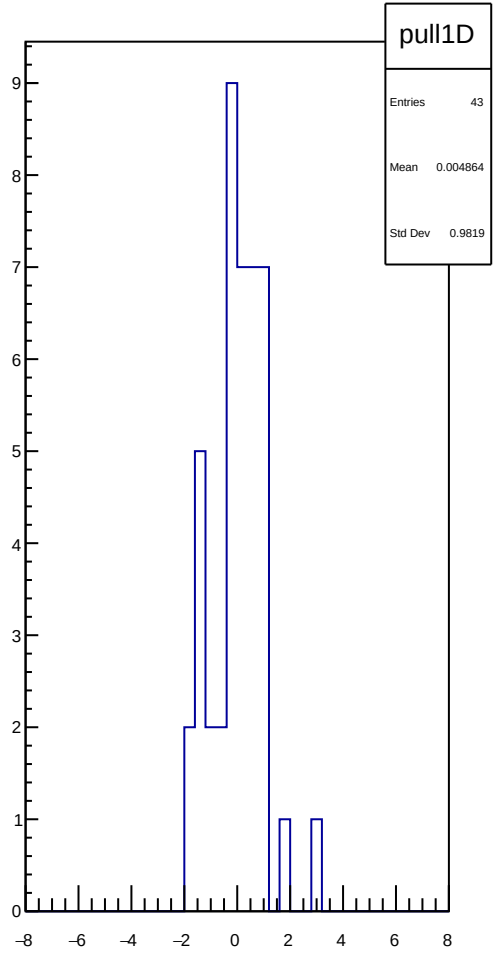

eigen_dit_asym_sam5_rms vs run
χ² / ndf 2876 / 42
p0 150.1 ± 0.1612
180
170
160
150
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

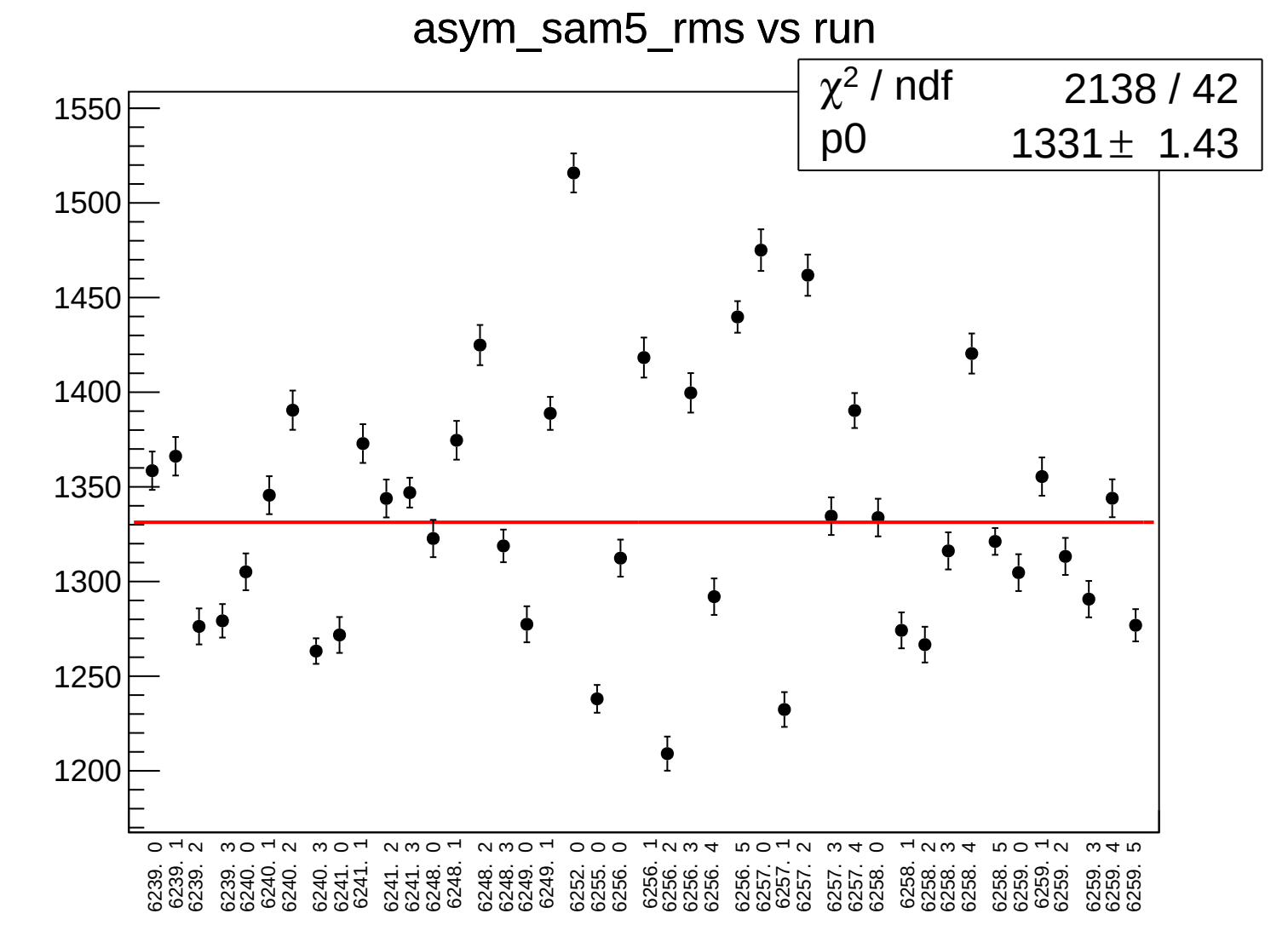

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 42 / 42
p0 969.7 ± 2051
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2436
Std Dev 0
2
1
0
−1
−2
−3

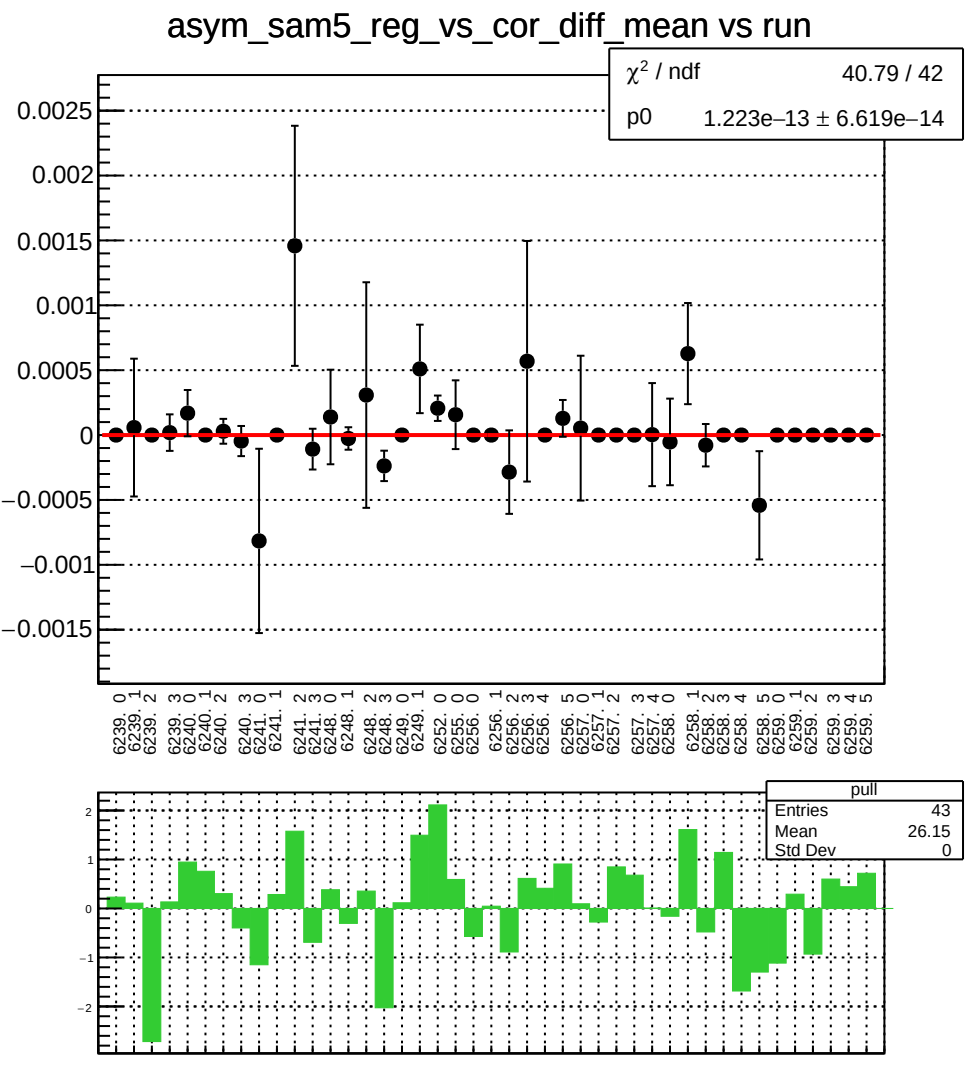

pull1D
Entries 43
Mean 0.0003705
Std Dev 0.9883
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

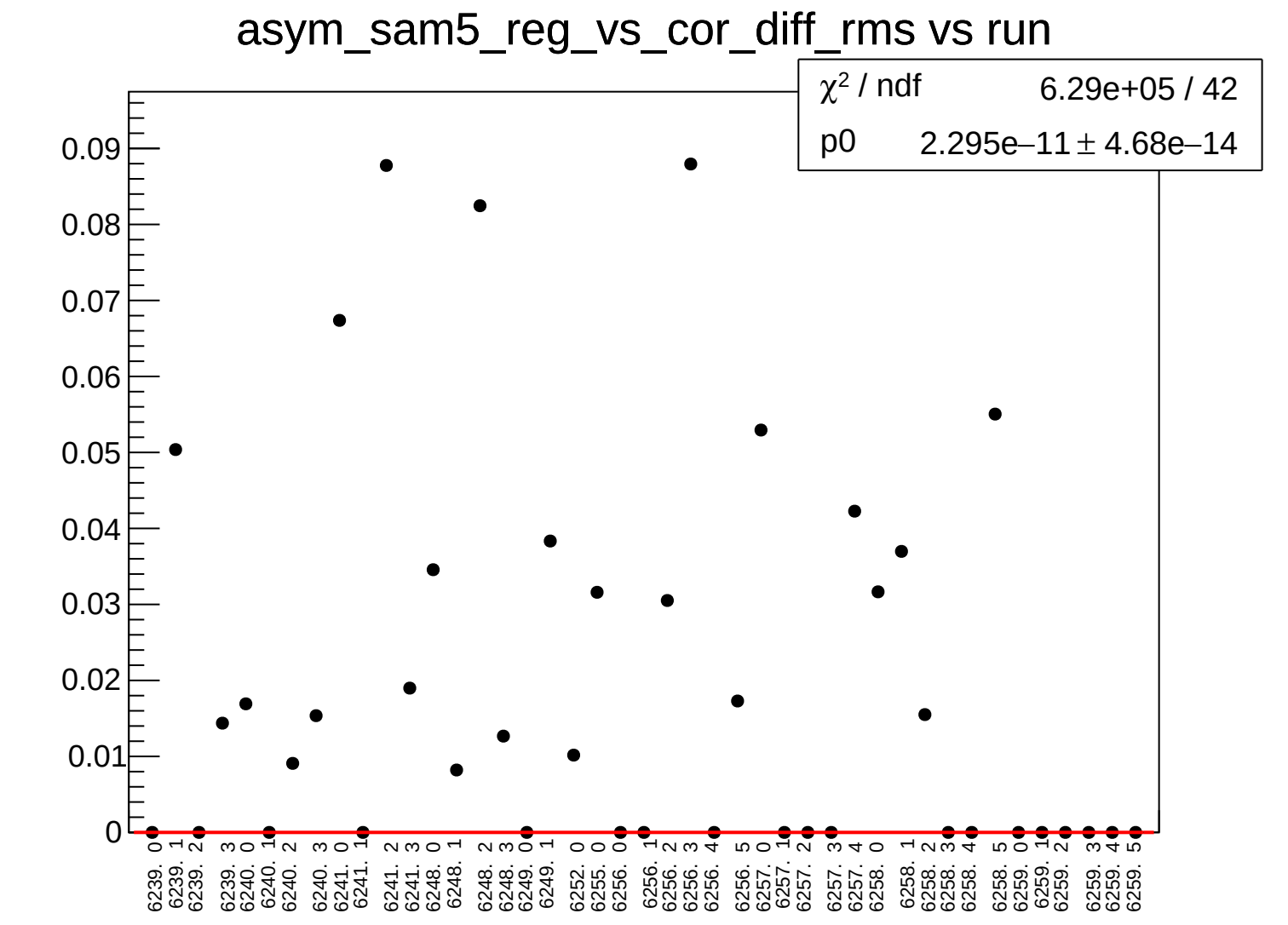

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 2044 / 42
p0 1351 ± 1.45
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

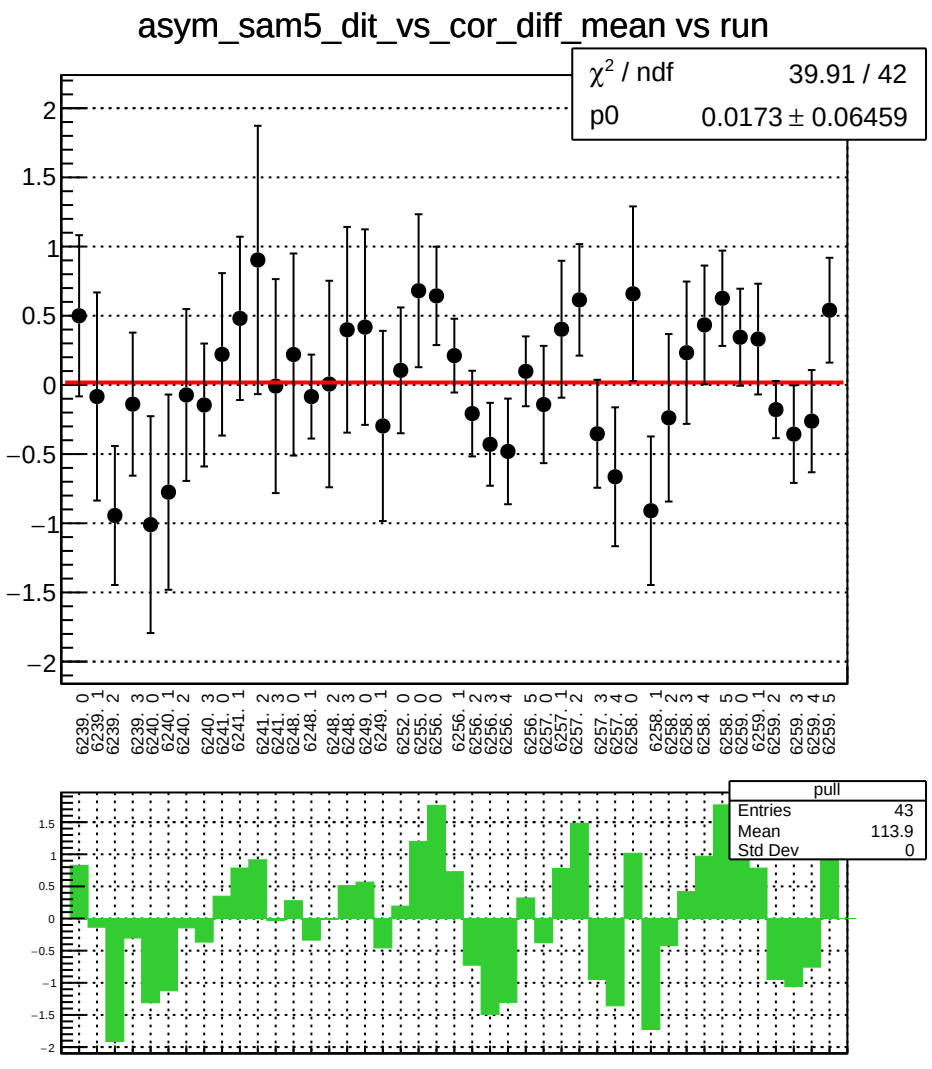

asym_sam5_mean vs run
χ² / ndf 41.46 / 42
p0 −1130 ± 2022
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −138.3
Std Dev 0
3
2
1
0
−1
−2

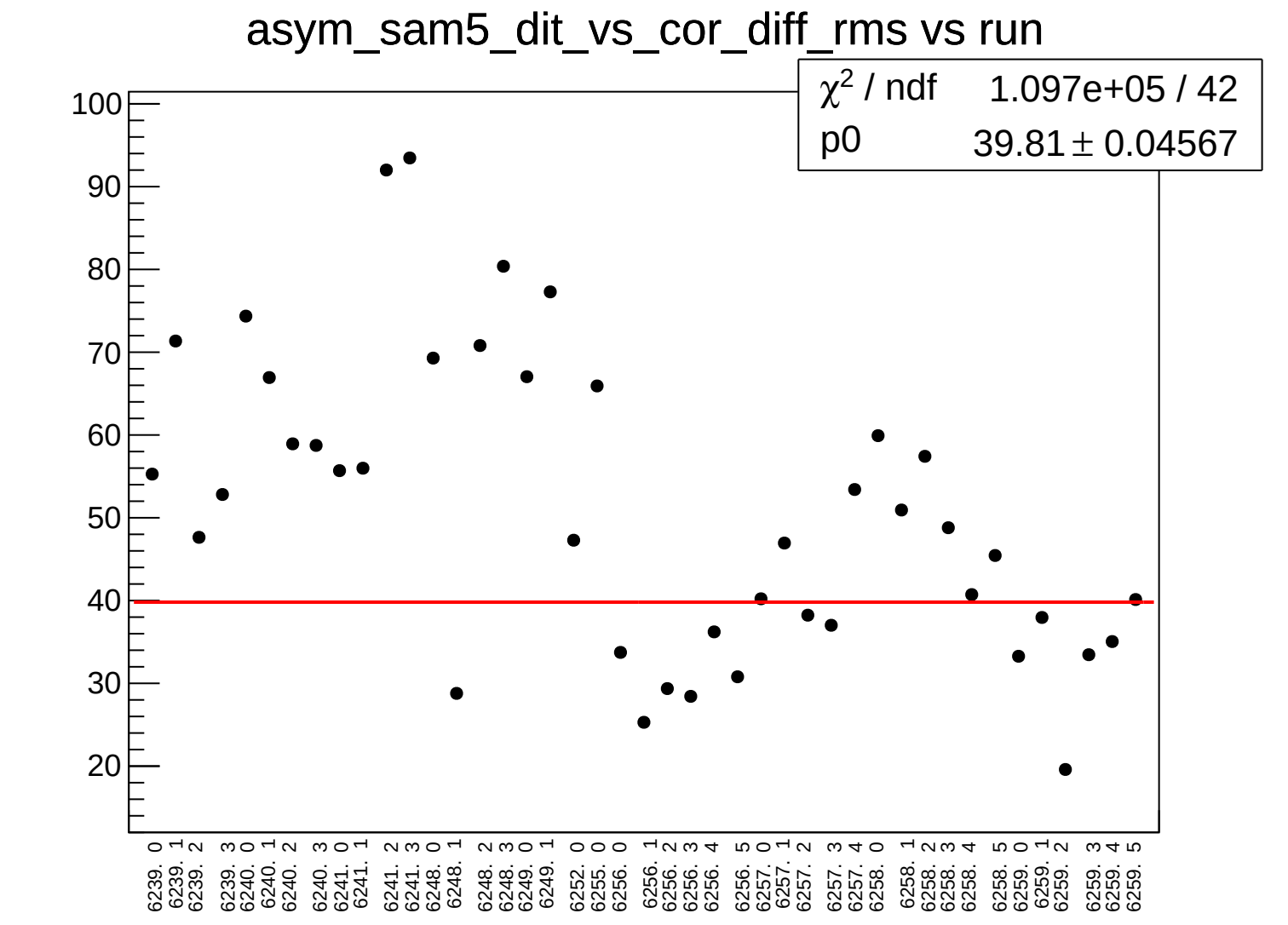

pull1D
Entries 43
Mean 0.004864
Std Dev 0.9819
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

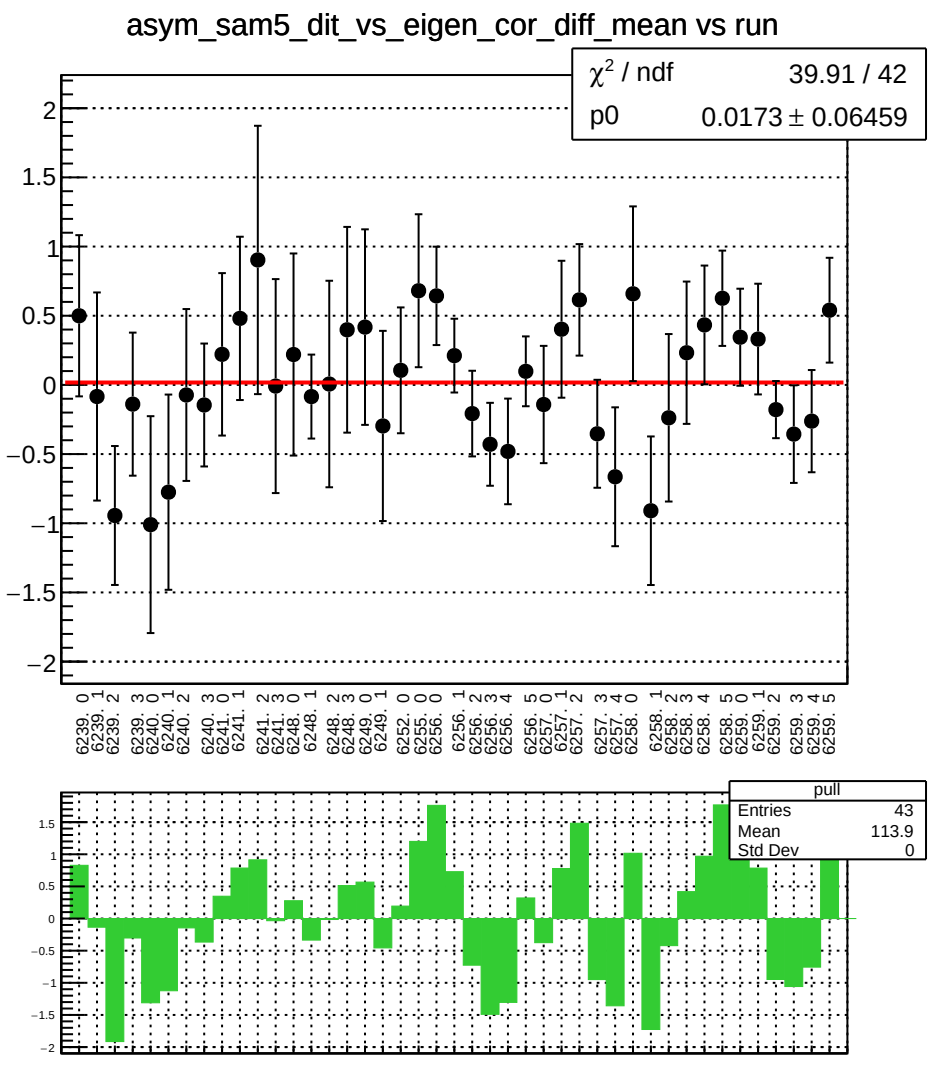

asym_sam5_rms vs run
χ² / ndf 2138 / 42
p0 1331 ± 1.43
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

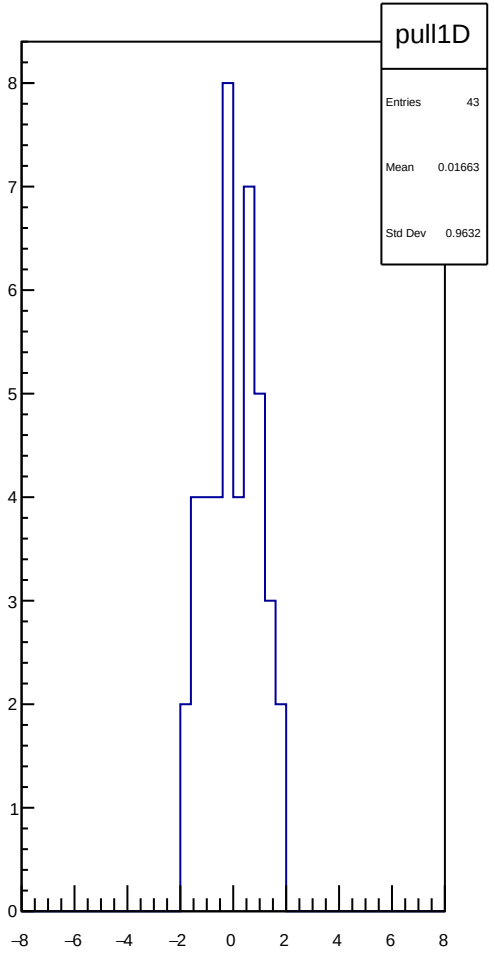

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 40.79 / 42
p0 1.223e−13 ± 6.619e−14
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.15
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.07292
Std Dev 0.9712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

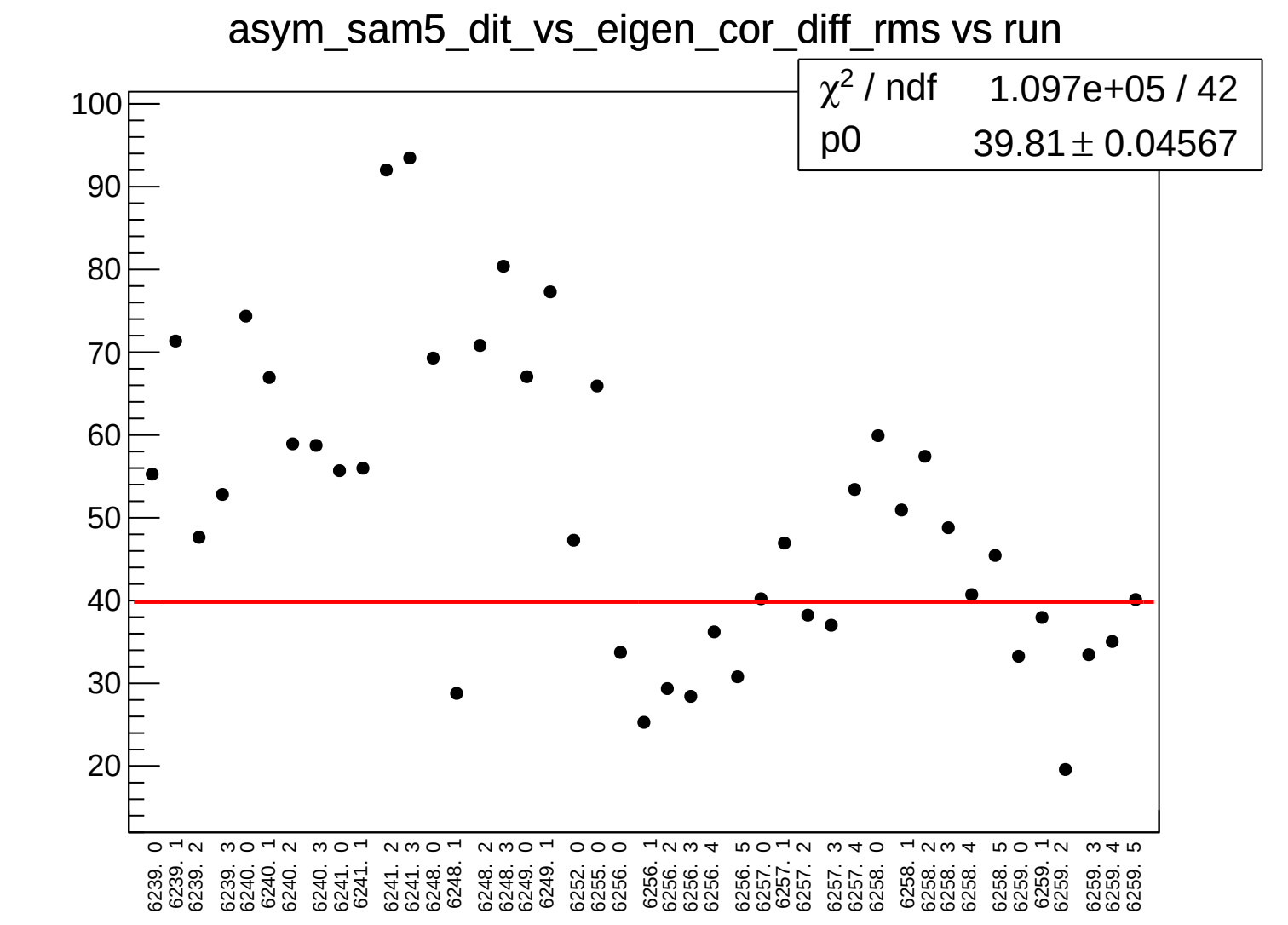

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 6.29e+05 / 42
p0 2.295e−11 ± 4.68e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

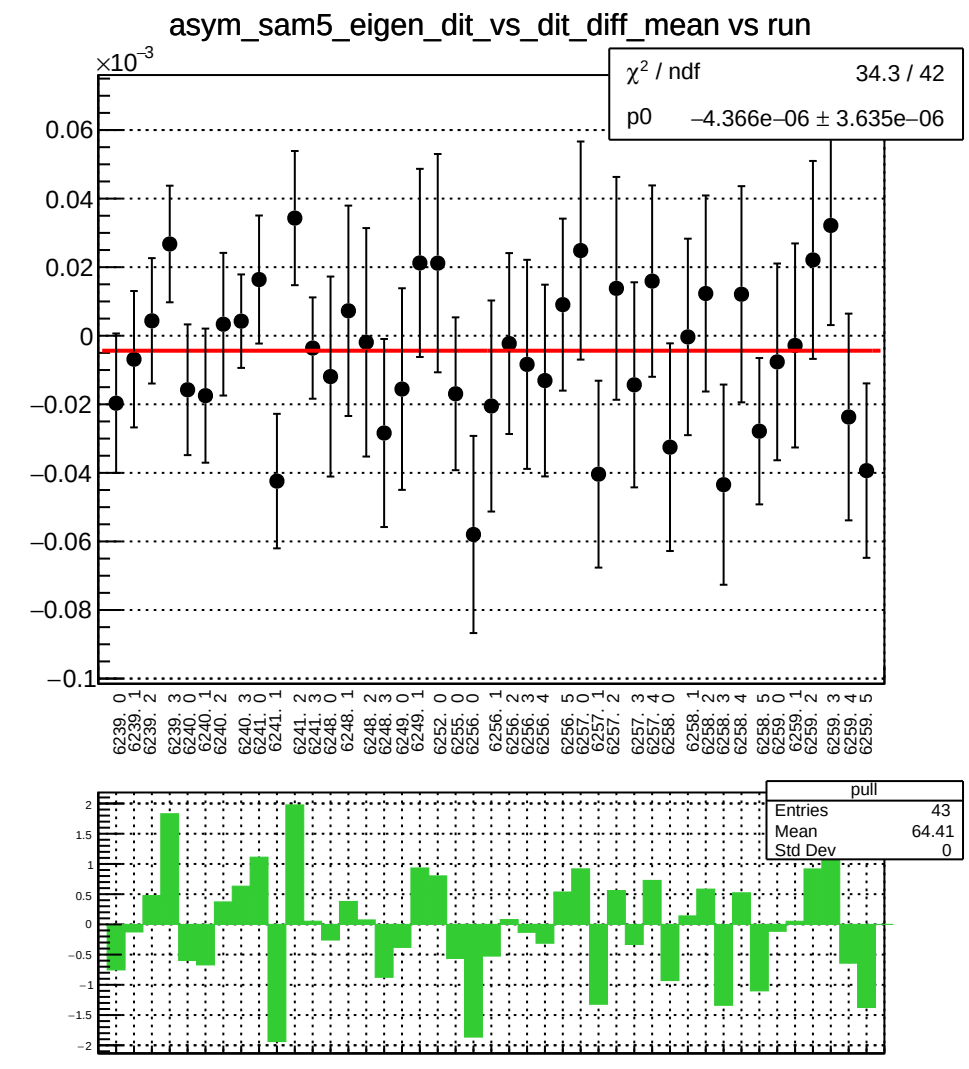

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 39.91 / 42
p0 0.0173 ± 0.06459
pull
Entries 43
Mean 113.9
Std Dev 0
pull1D
Entries 43
Mean 0.01663
Std Dev 0.9632

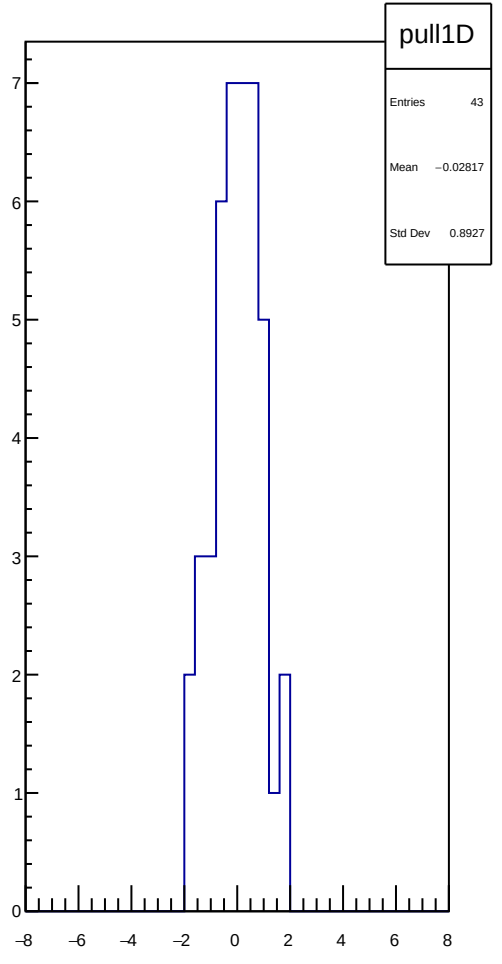

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 1.097e+05 / 42
p0 39.81 ± 0.04567
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

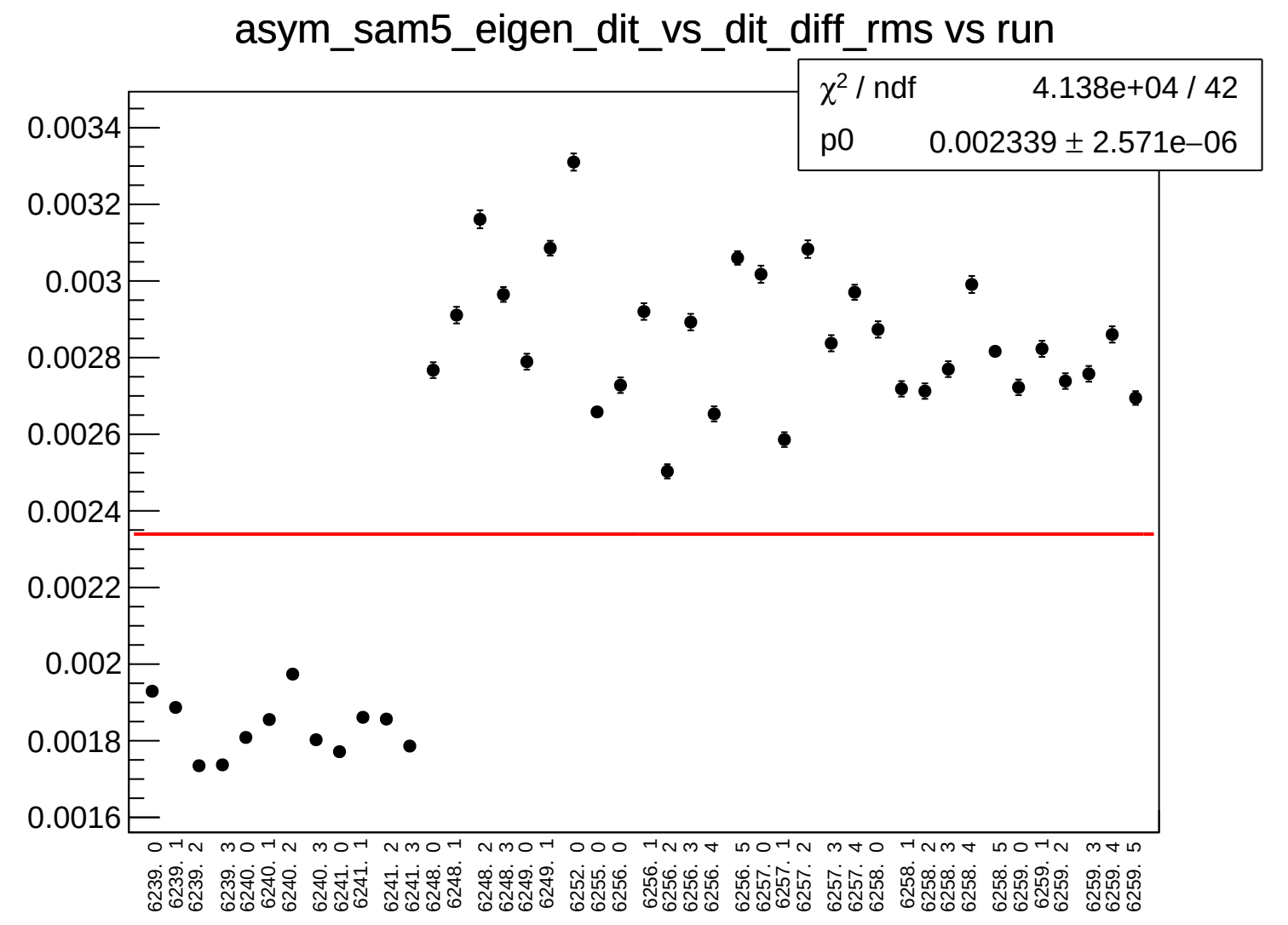

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.91 / 42
p0 0.0173 ± 0.06459
pull
Entries 43
Mean 113.9
Std Dev 0

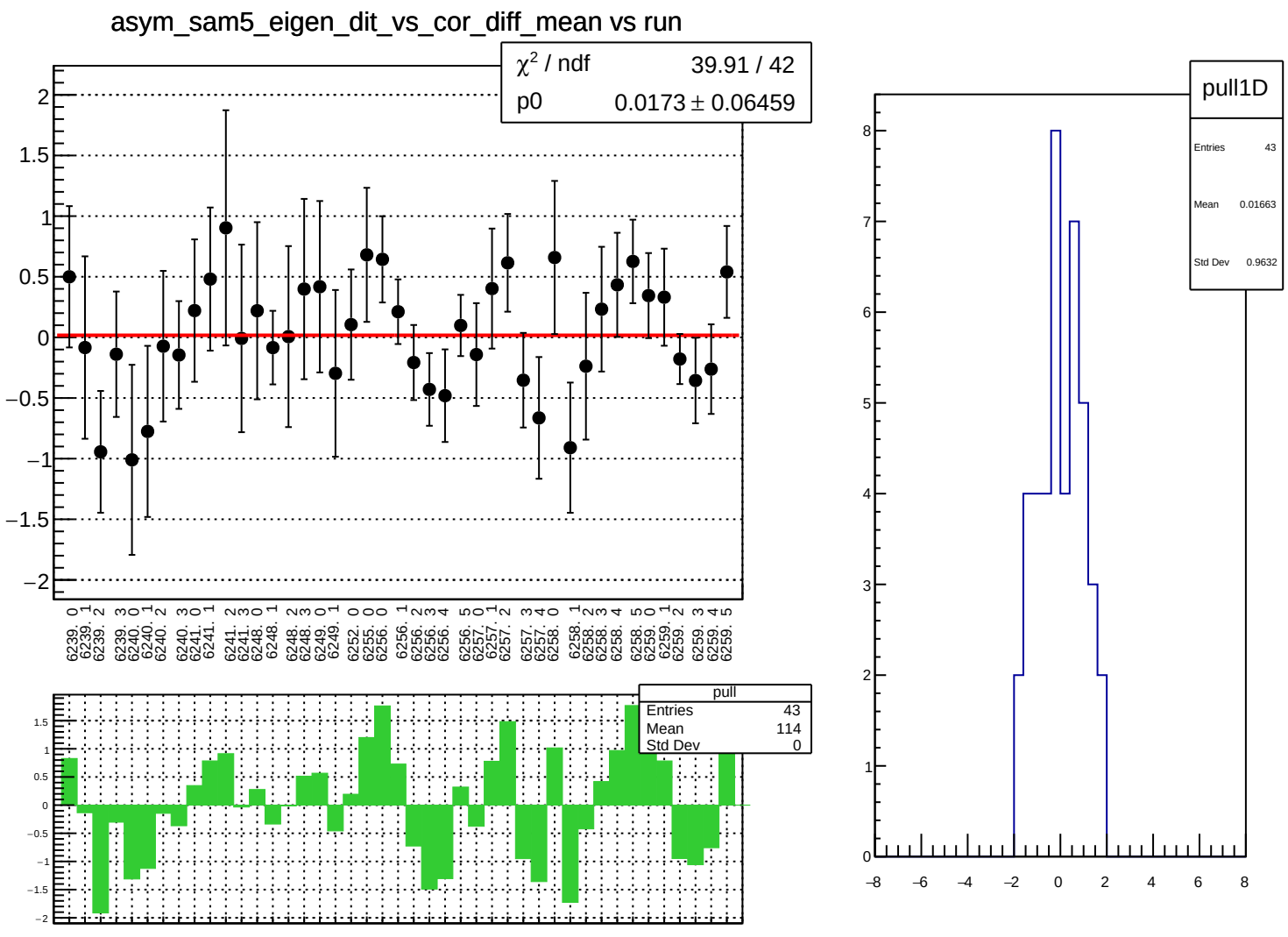

pull1D
Entries 43
Mean 0.01663
Std Dev 0.9632

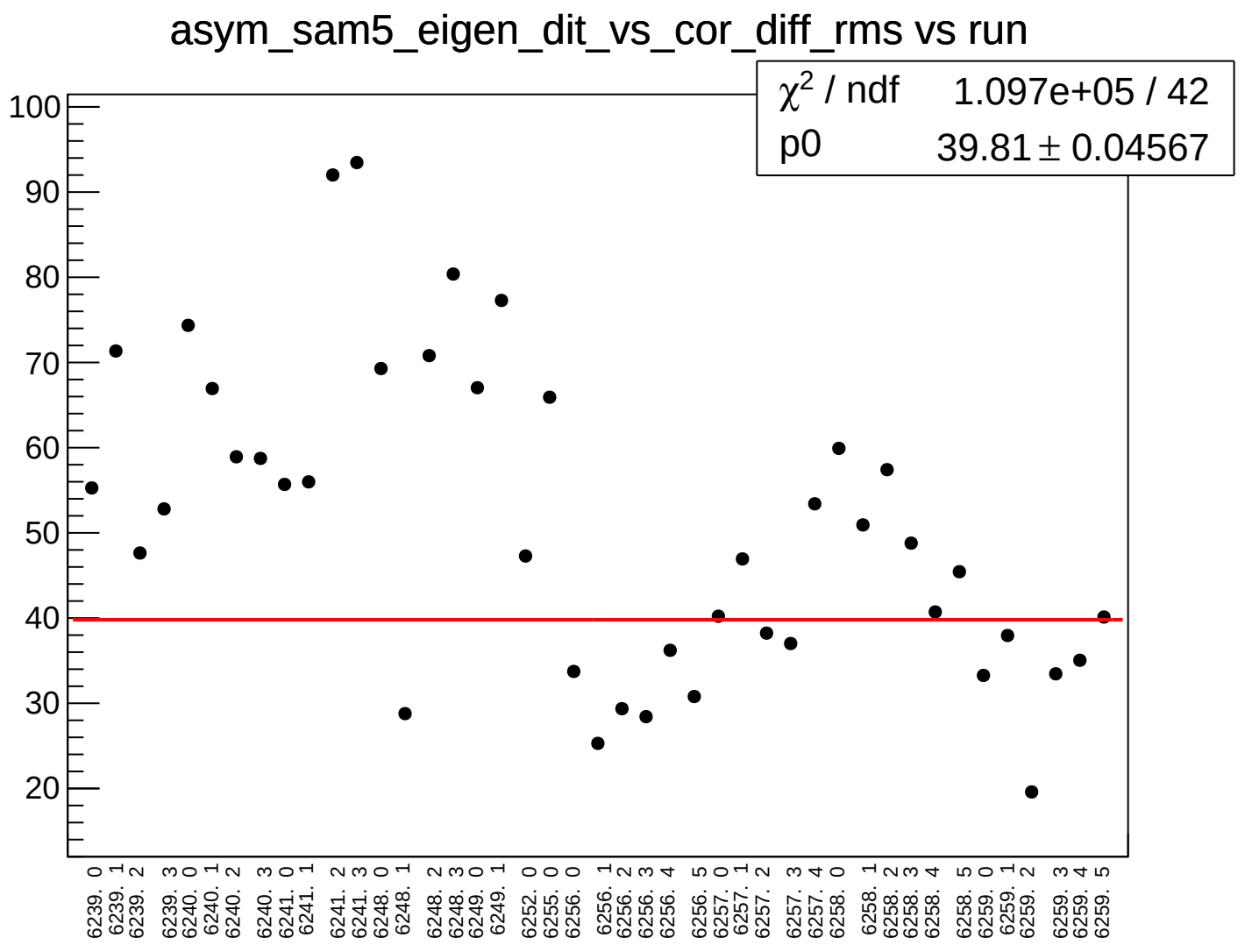

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.097e+05 / 42
p0 39.81 ± 0.04567
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

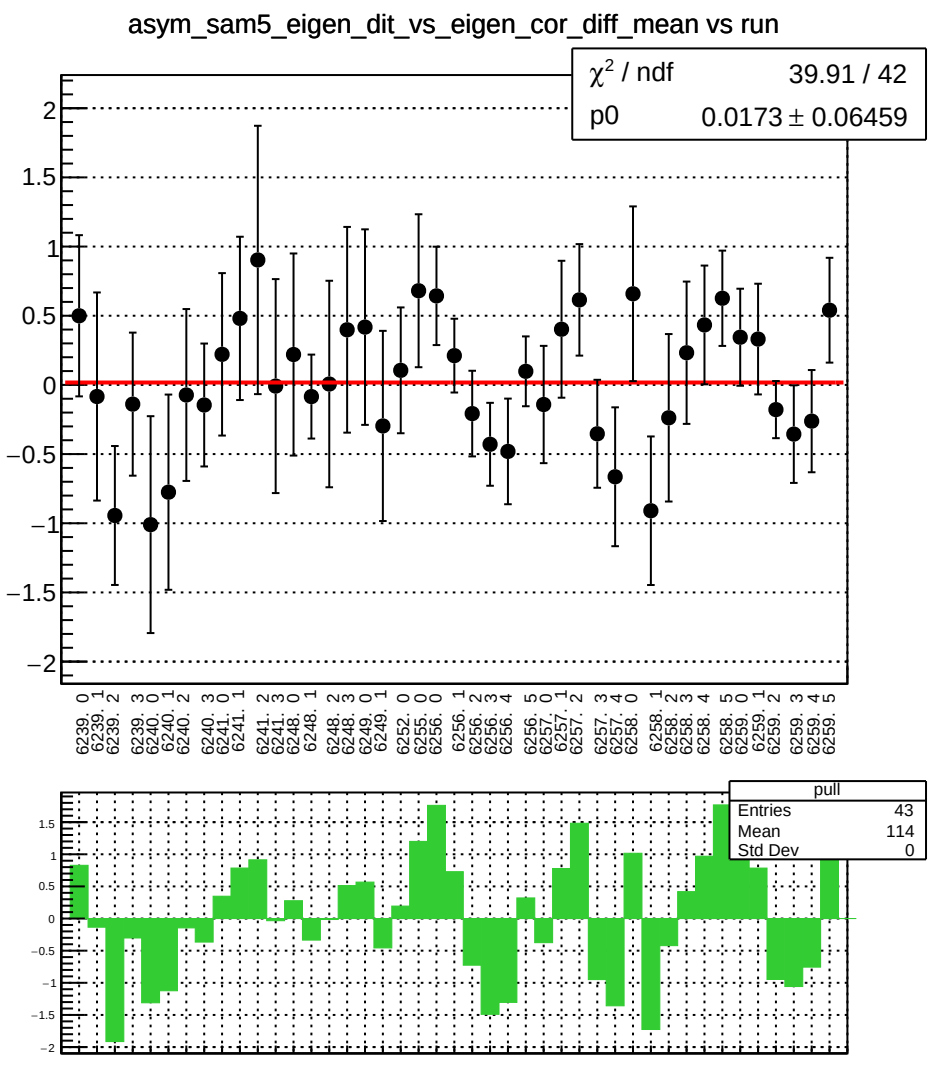

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 34.3 / 42
p0 −4.366e−06 ± 3.635e−06
×10⁻³
pull
Entries 43
Mean 64.41
Std Dev 0

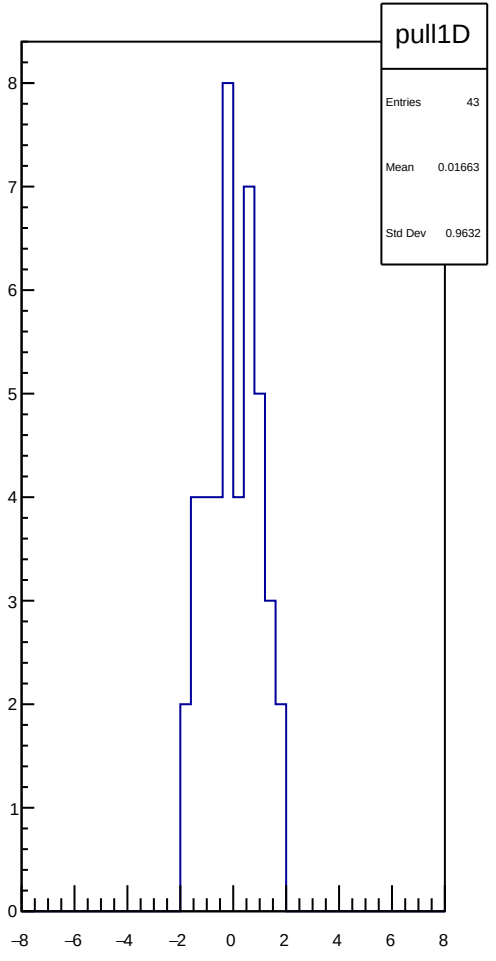

pull1D
Entries 43
Mean −0.02817
Std Dev 0.8927

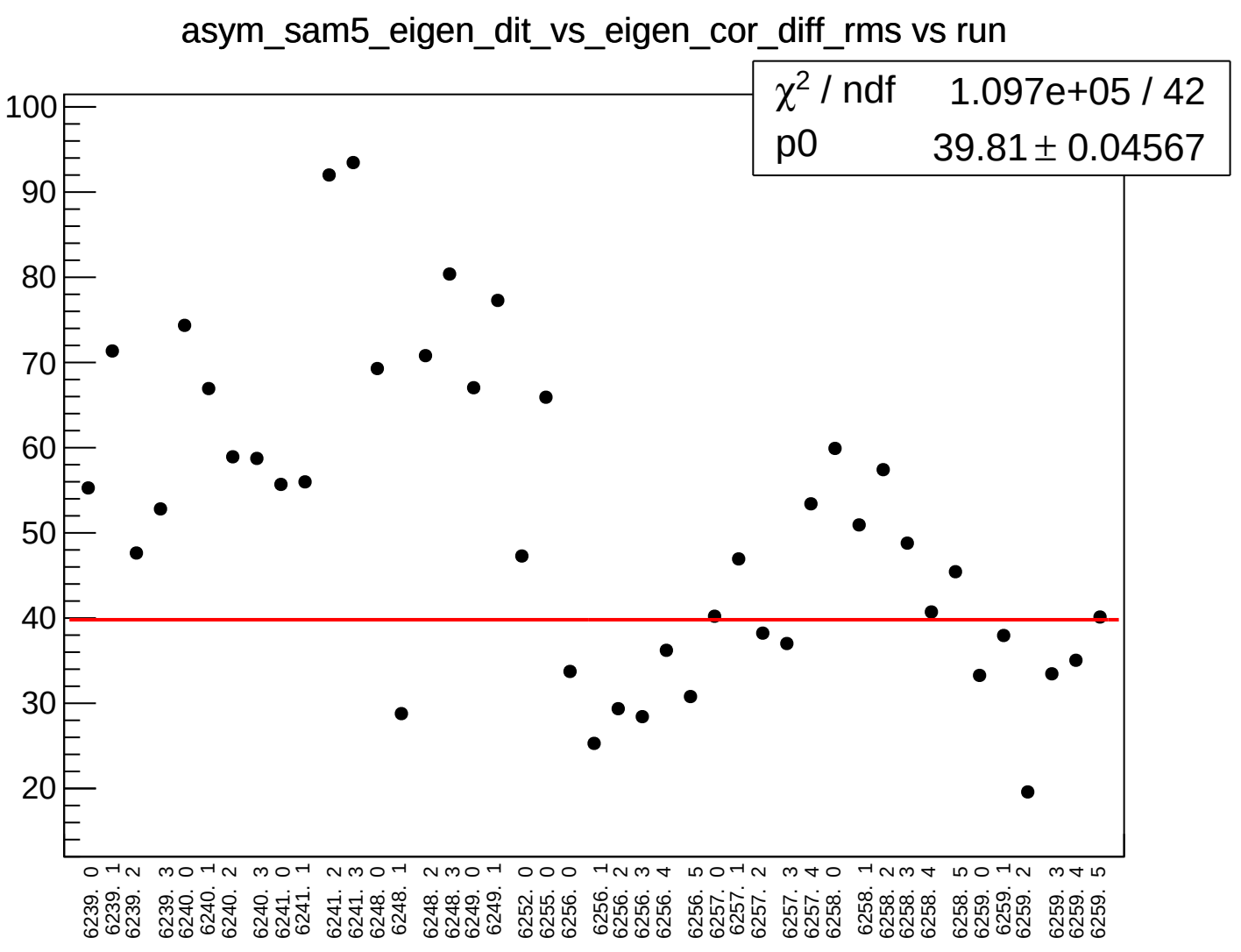

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.138e+04 / 42
p0 0.002339 ± 2.571e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

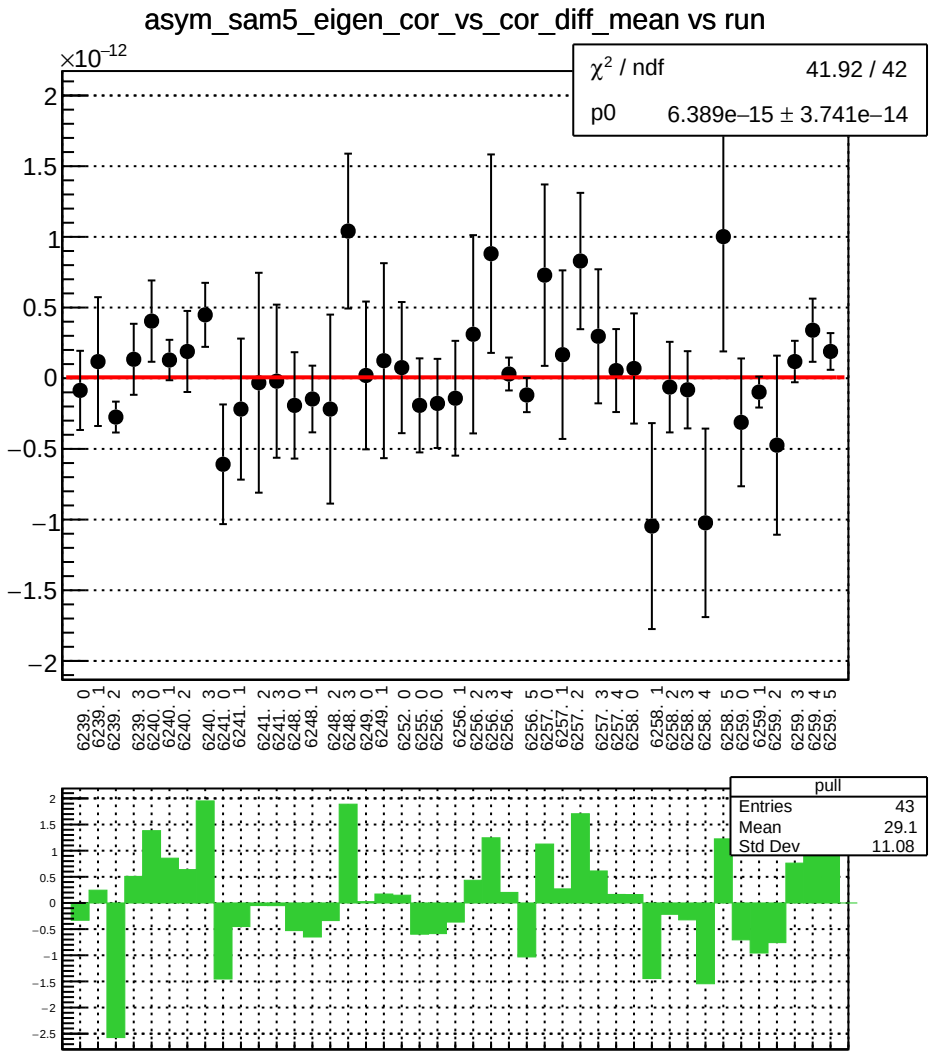

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.91 / 42
p0 0.0173 ± 0.06459
pull
Entries 43
Mean 114
Std Dev 0
pull1D
Entries 43
Mean 0.01663
Std Dev 0.9632

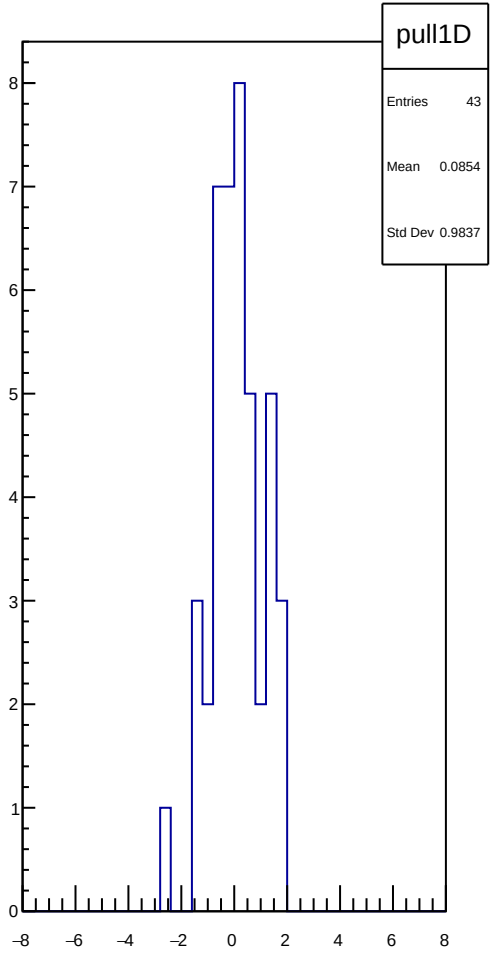

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.097e+05 / 42
p0 39.81 ± 0.04567
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

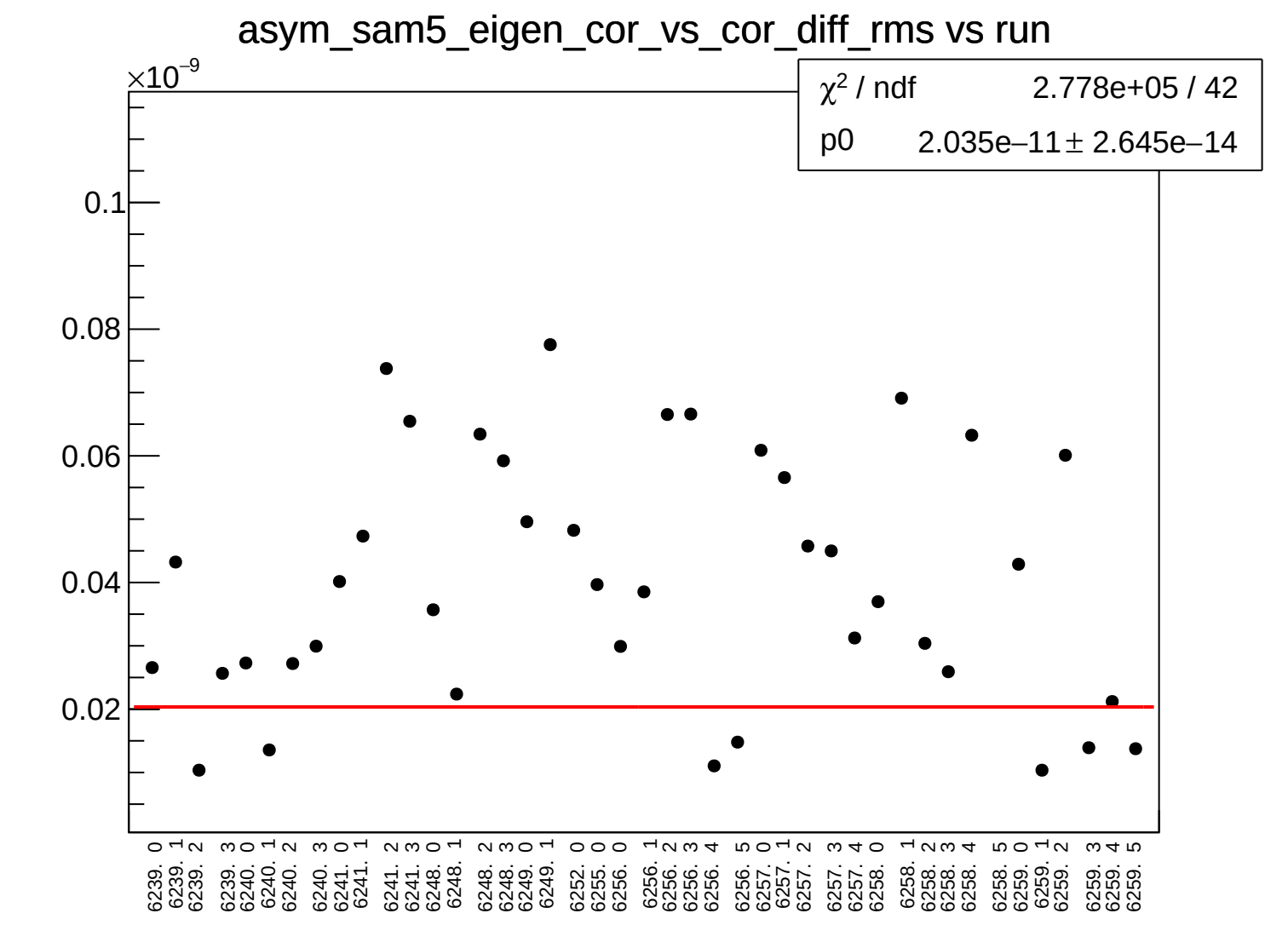

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.91 / 42
p0 0.0173 ± 0.06459
pull
Entries 43
Mean 114
Std Dev 0

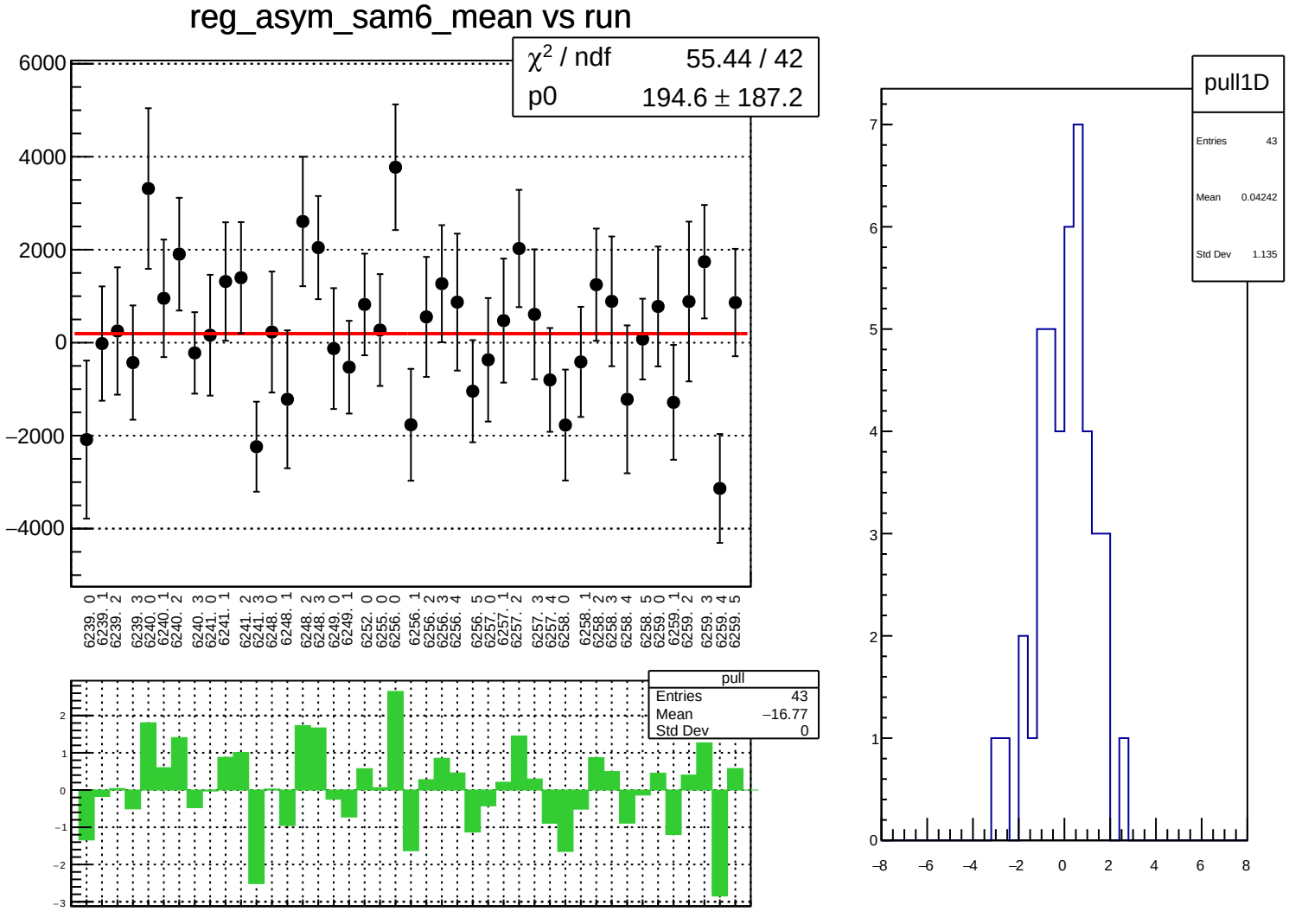

pull1D
Entries 43
Mean 0.01663
Std Dev 0.9632

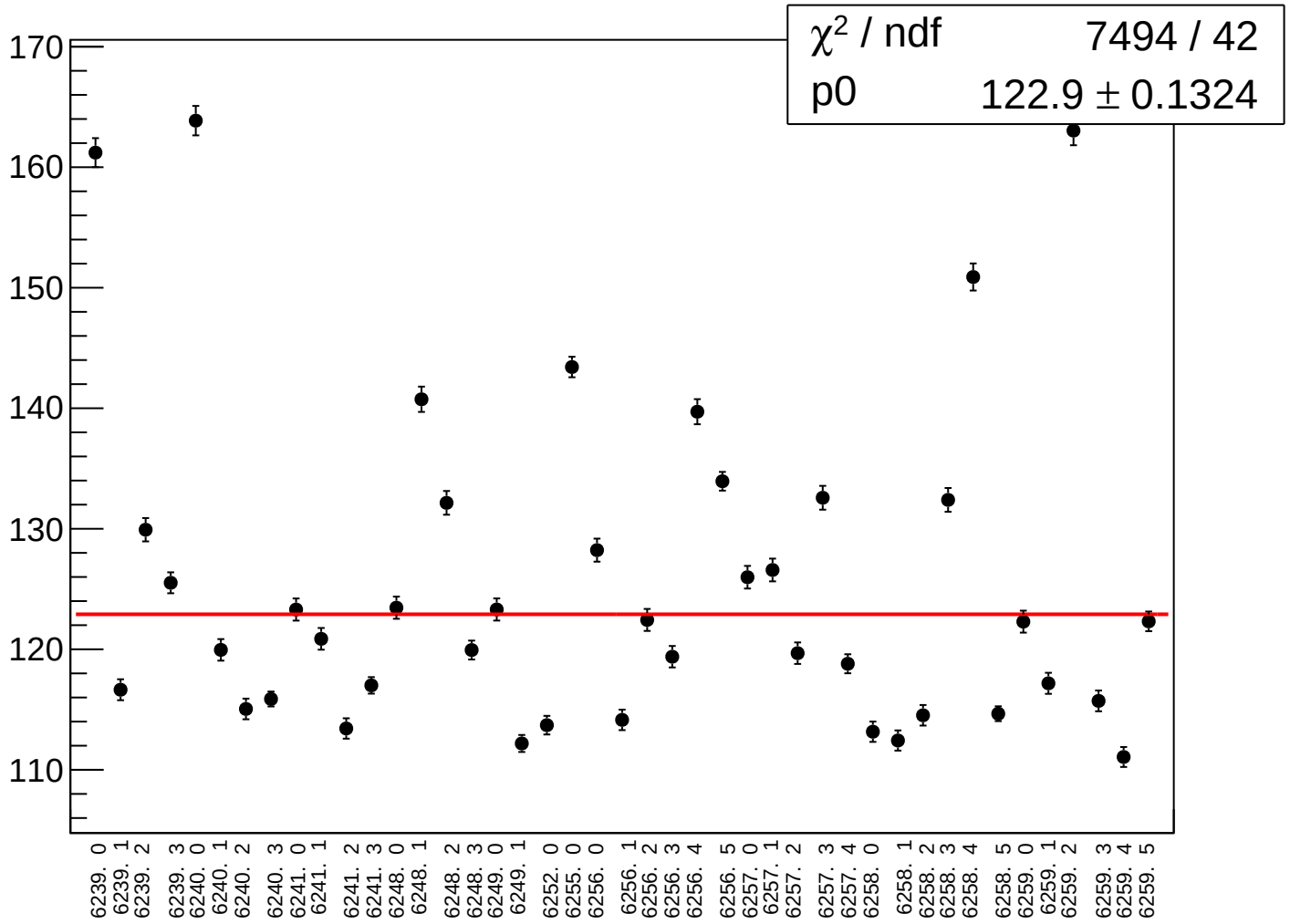

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.097e+05 / 42
p0 39.81 ± 0.04567
100
90
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

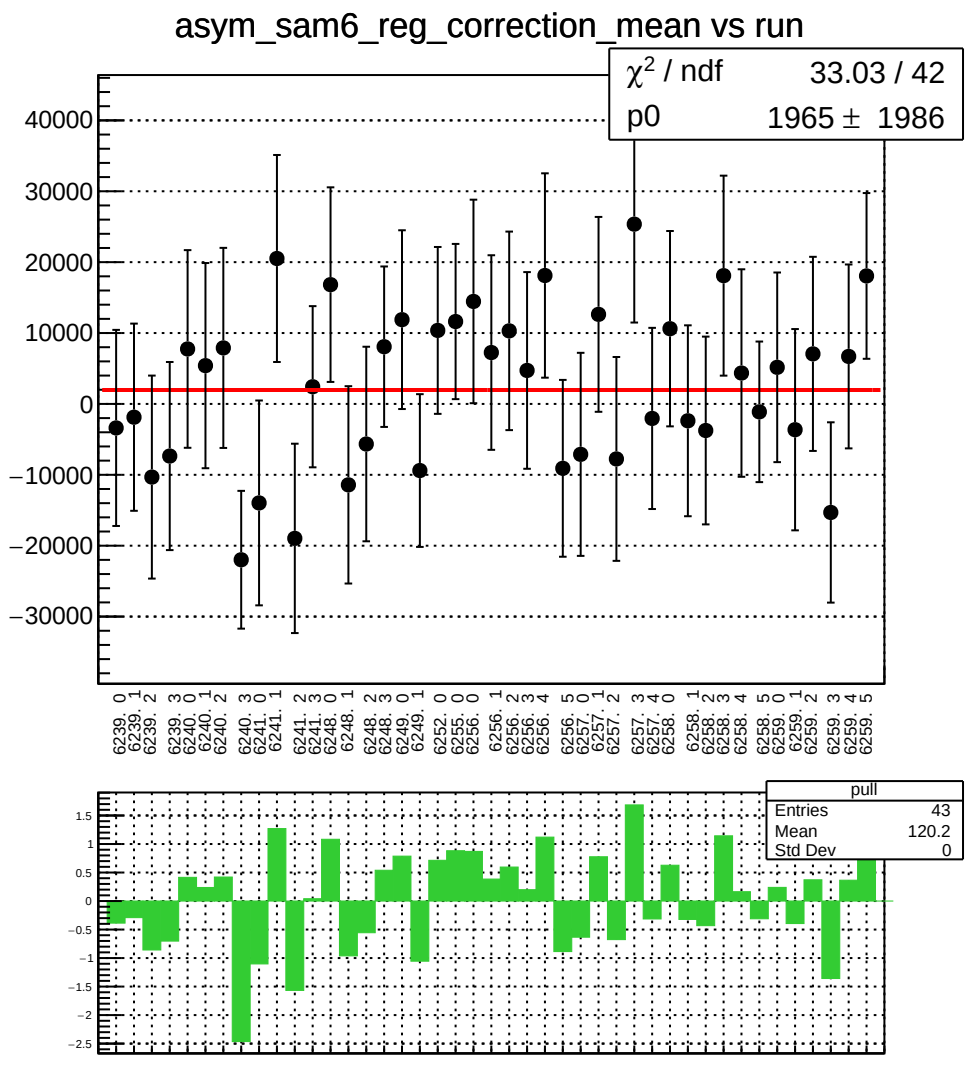

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.92 / 42
p0 6.389e−15 ± 3.741e−14
pull
Entries 43
Mean 29.1
Std Dev 11.08

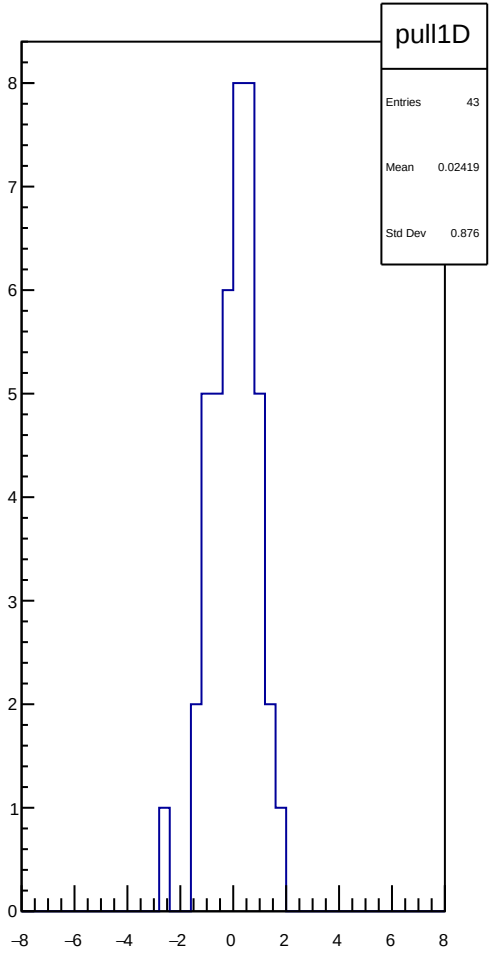

pull1D
Entries 43
Mean 0.0854
Std Dev 0.9837

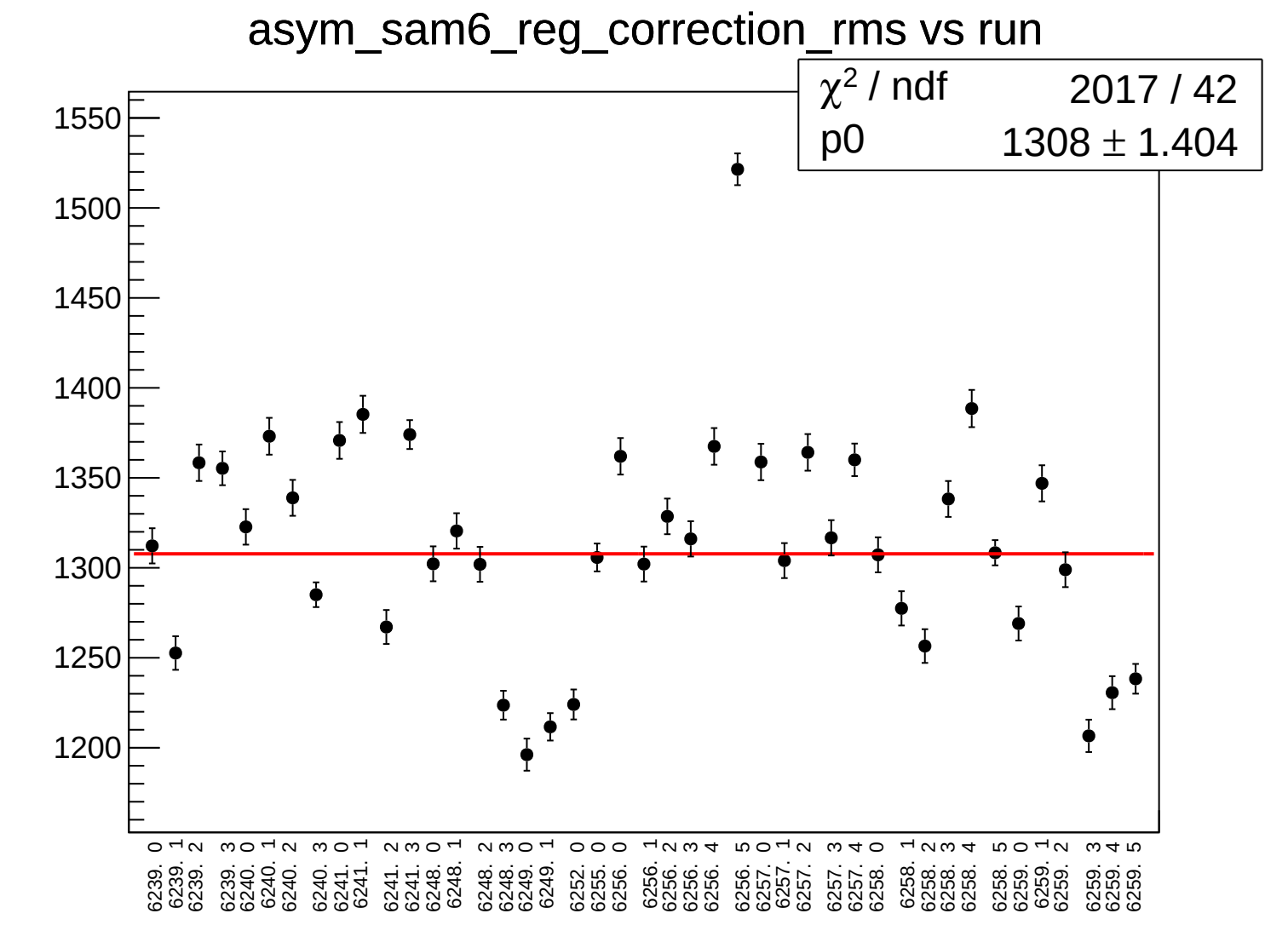

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.778e+05 / 42
p0 2.035e−11 ± 2.645e−14
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

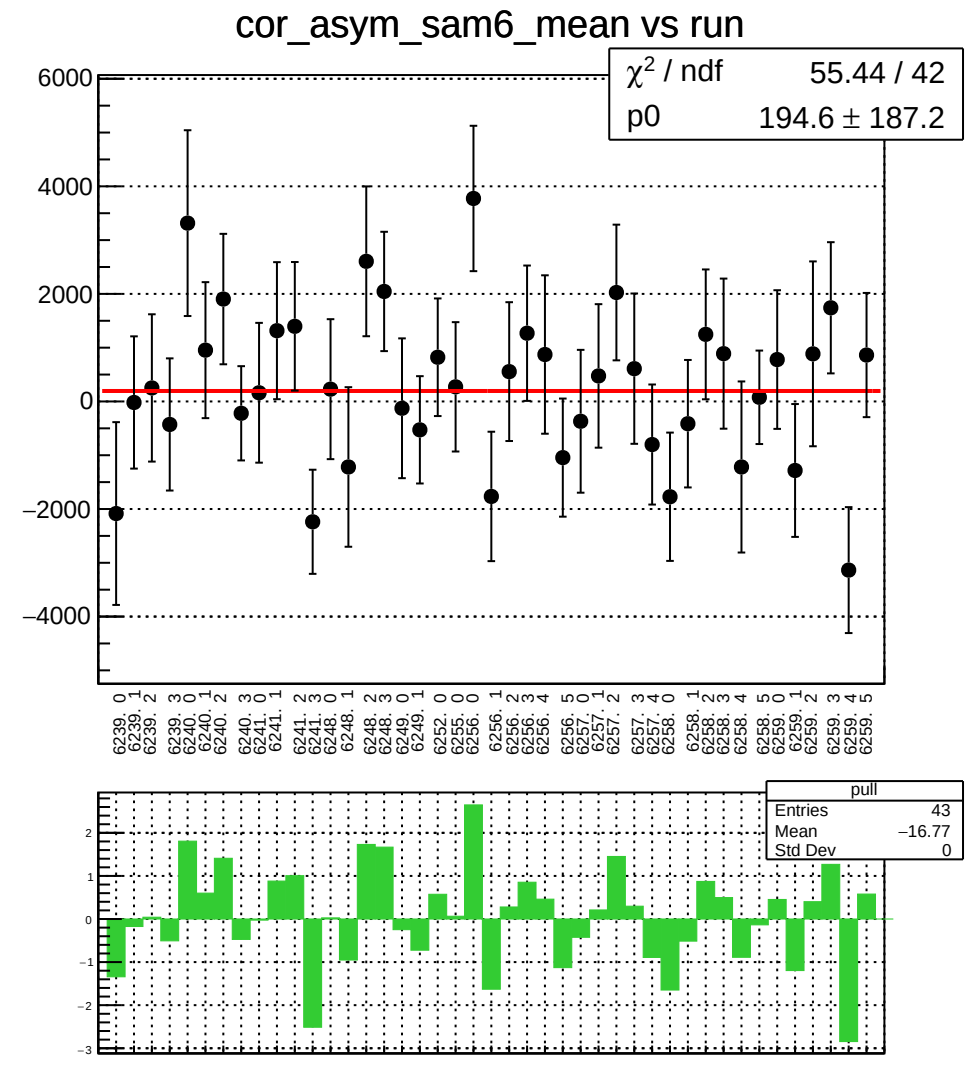

reg_asym_sam6_mean vs run
χ² / ndf 55.44 / 42
p0 194.6 ± 187.2
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.77
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04242
Std Dev 1.135
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

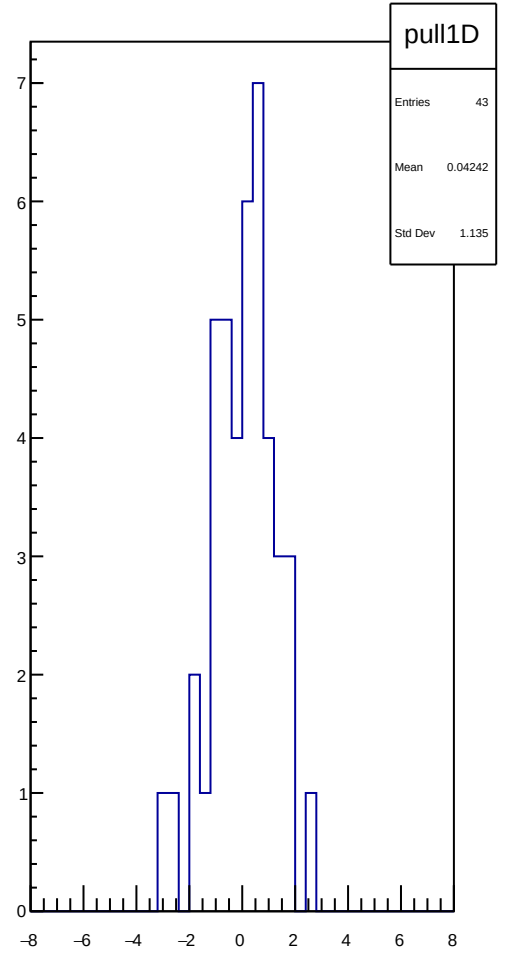

reg_asym_sam6_rms vs run
χ² / ndf 7494 / 42
p0 122.9 ± 0.1324
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

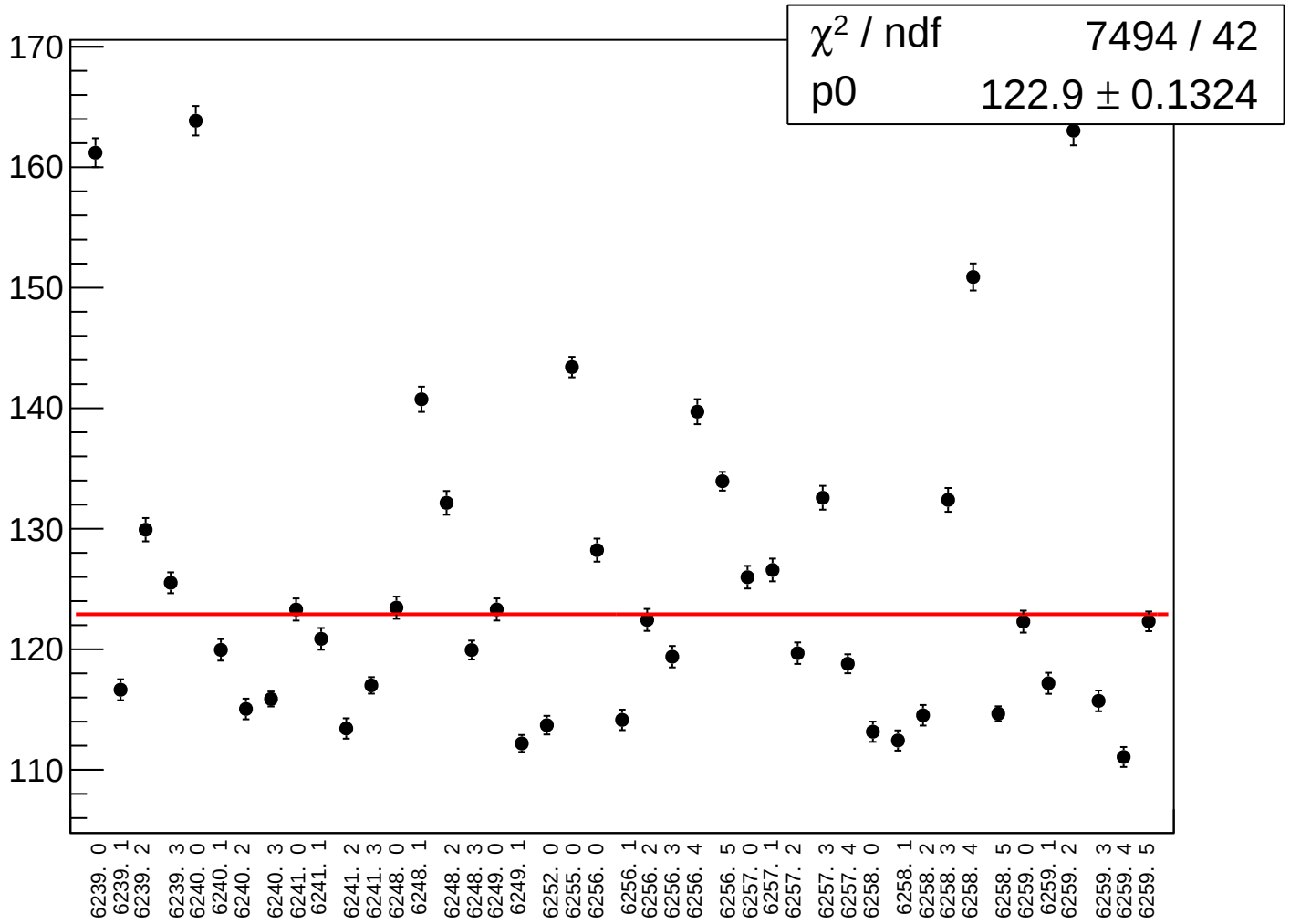

asym_sam6_reg_correction_mean vs run
χ² / ndf 33.03 / 42
p0 1965 ± 1986
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 120.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

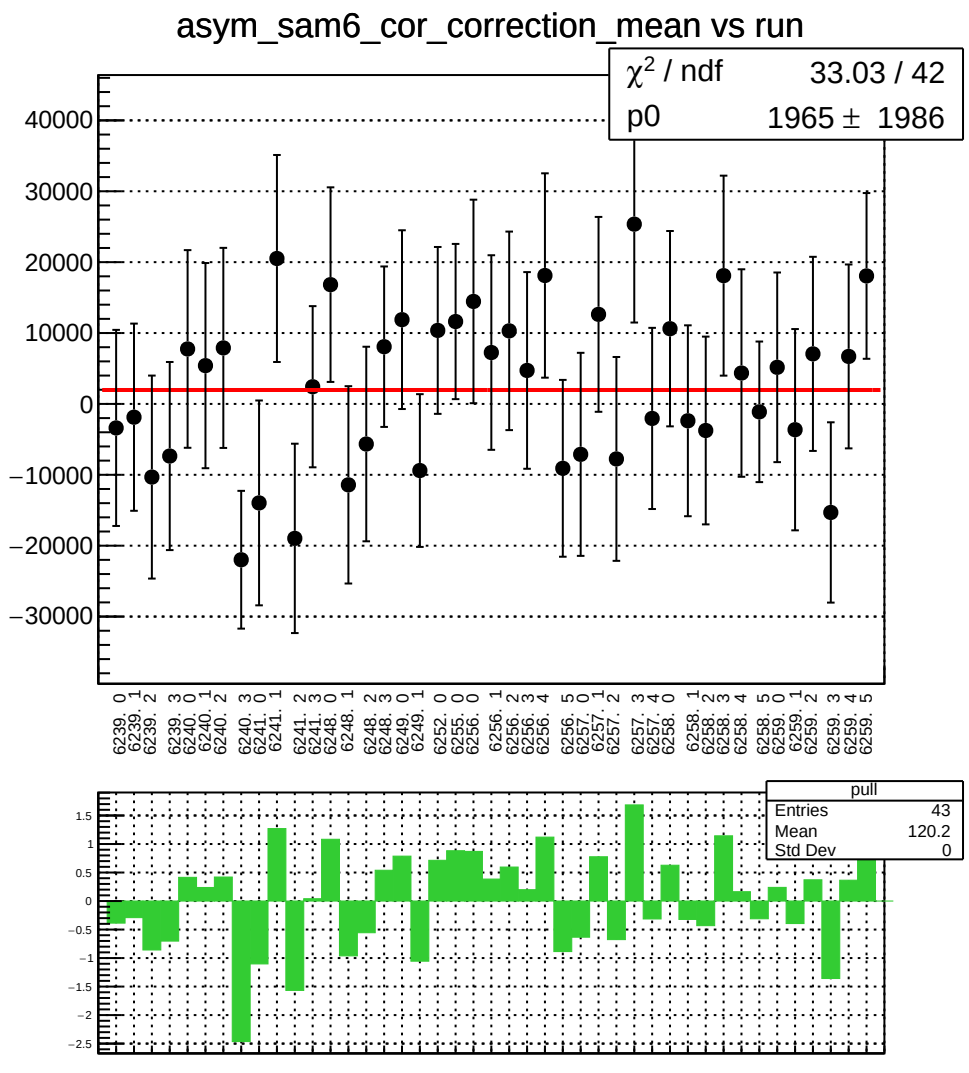

pull1D
Entries 43
Mean 0.02419
Std Dev 0.876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

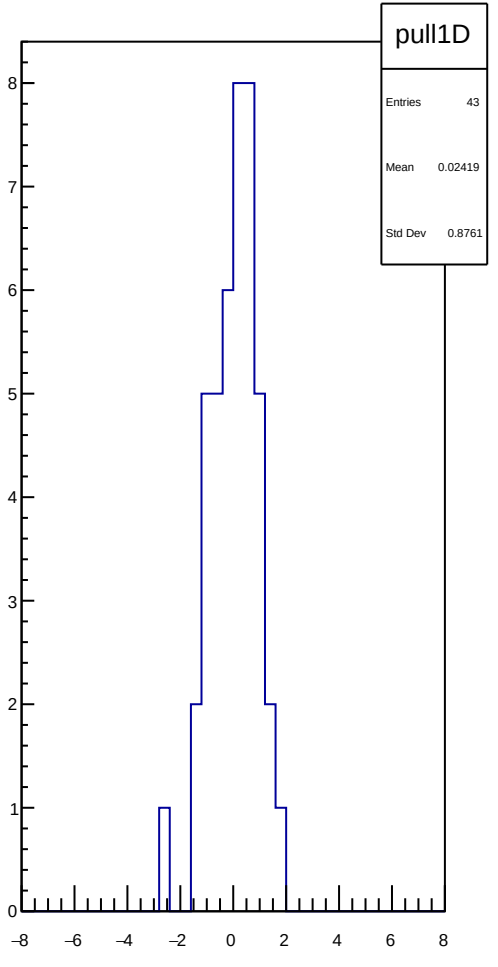

asym_sam6_reg_correction_rms vs run
χ² / ndf 2017 / 42
p0 1308 ± 1.404
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

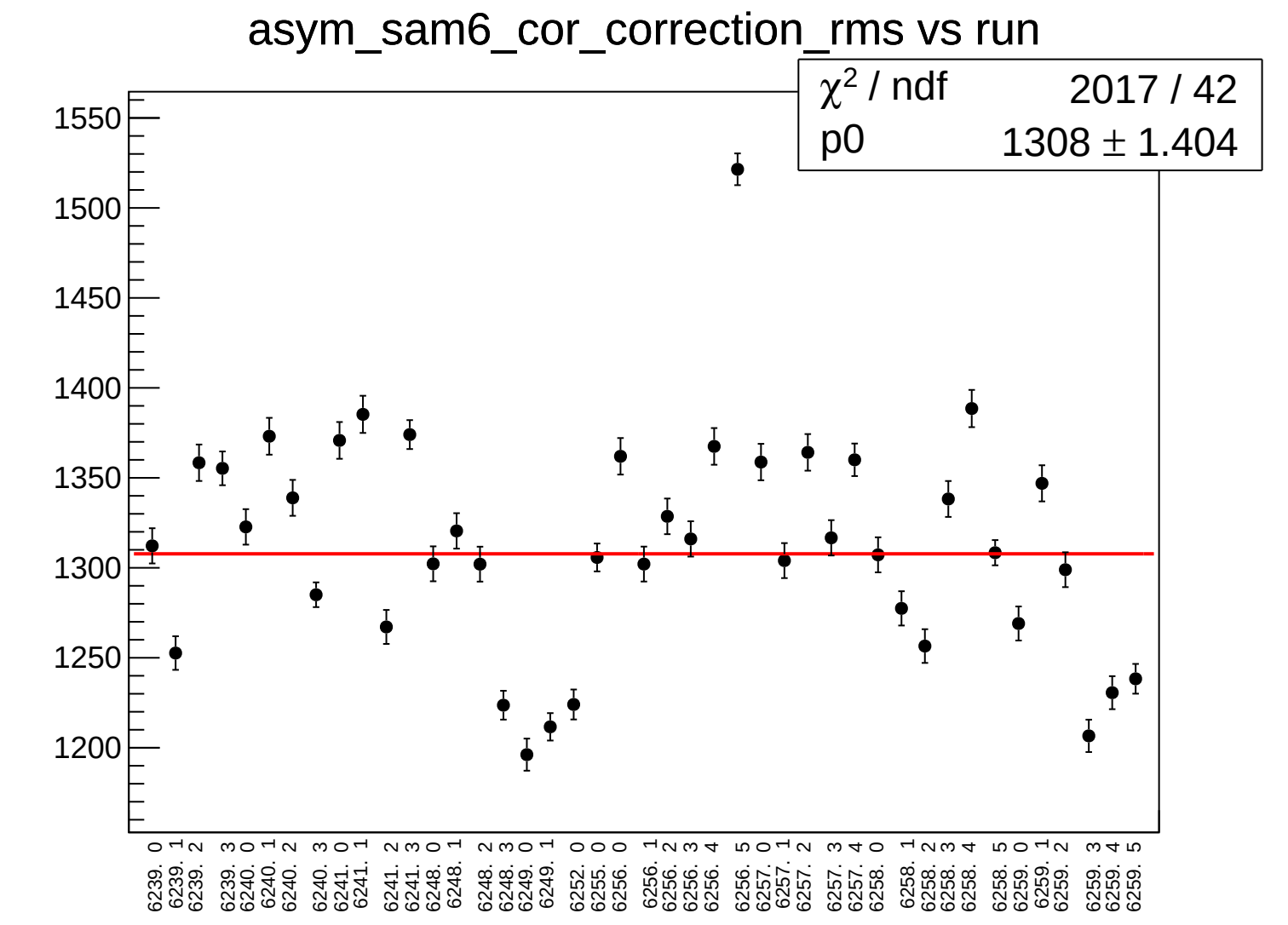

cor_asym_sam6_mean vs run
χ² / ndf 55.44 / 42
p0 194.6 ± 187.2
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.77
Std Dev 0
2
1
0
−1
−2
−3

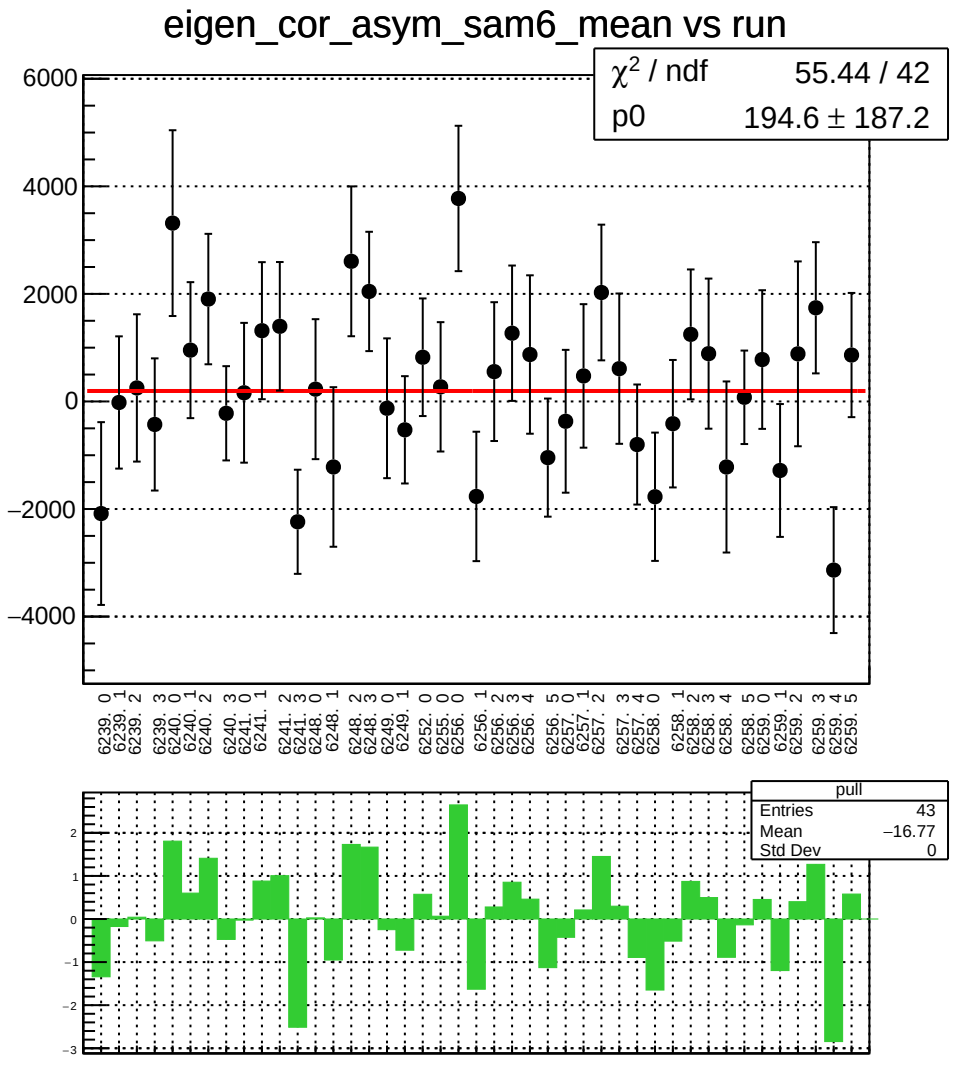

pull1D
Entries 43
Mean 0.04242
Std Dev 1.135
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

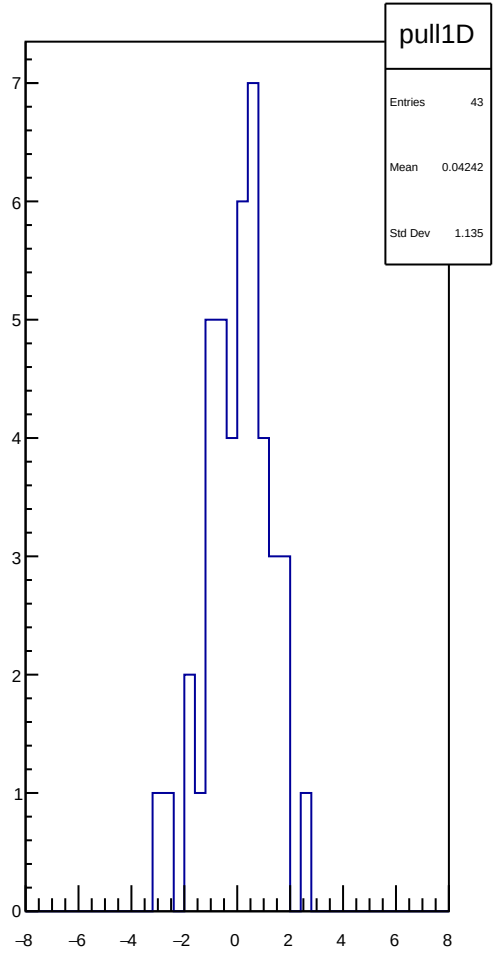

cor_asym_sam6_rms vs run
χ² / ndf 7494 / 42
p0 122.9 ± 0.1324
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

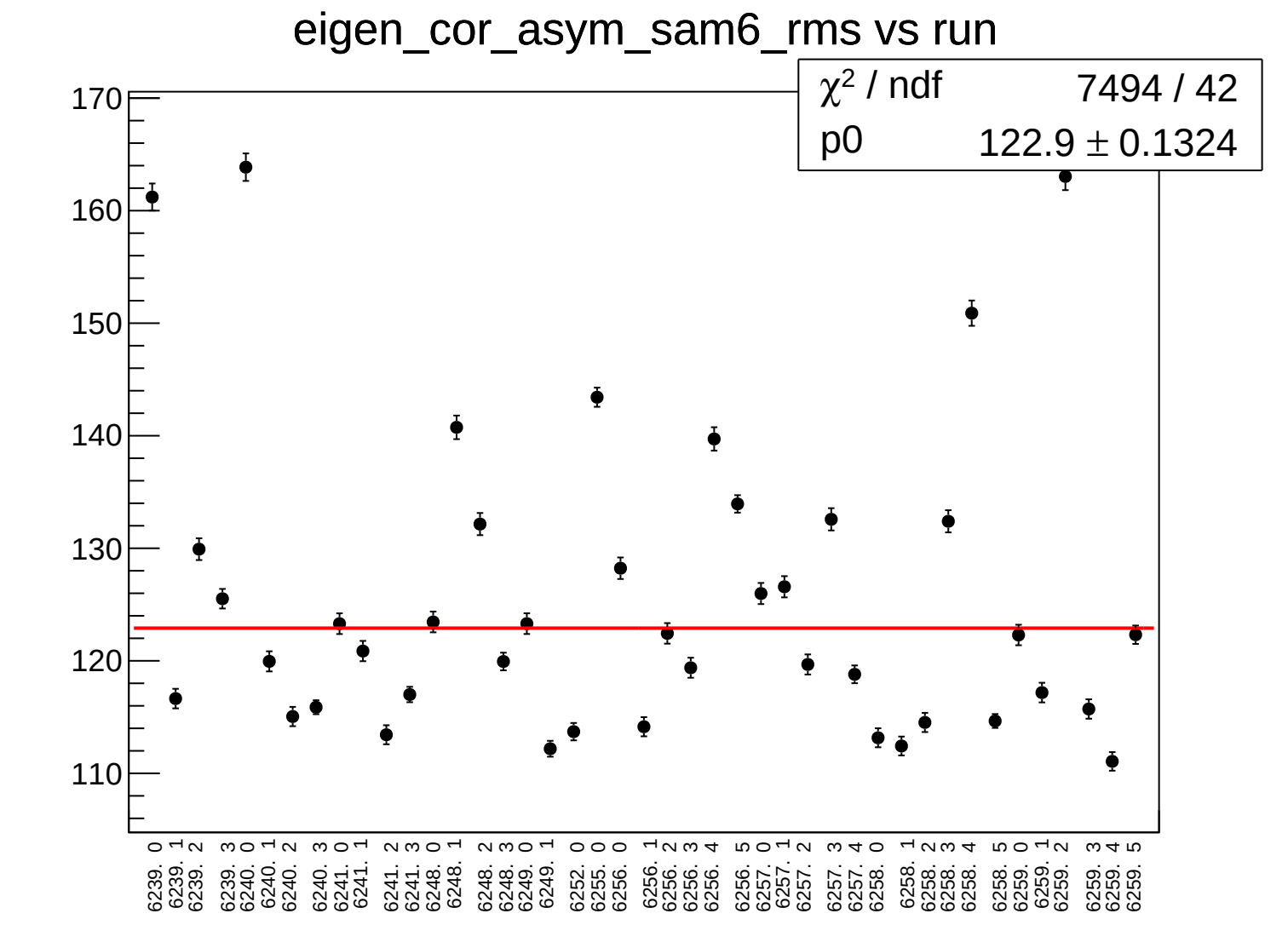

asym_sam6_cor_correction_mean vs run
χ² / ndf 33.03 / 42
p0 1965 ± 1986
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 120.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

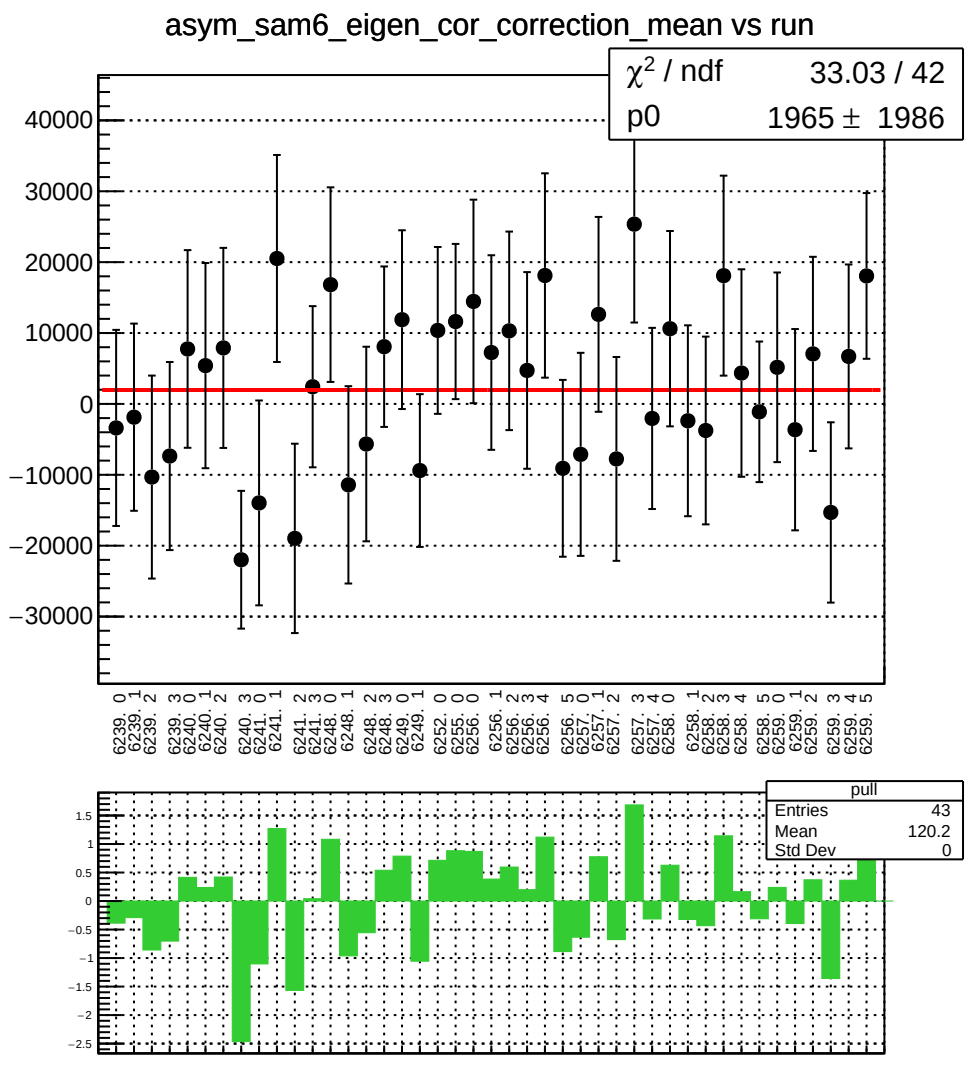

pull1D
Entries 43
Mean 0.02419
Std Dev 0.8761
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

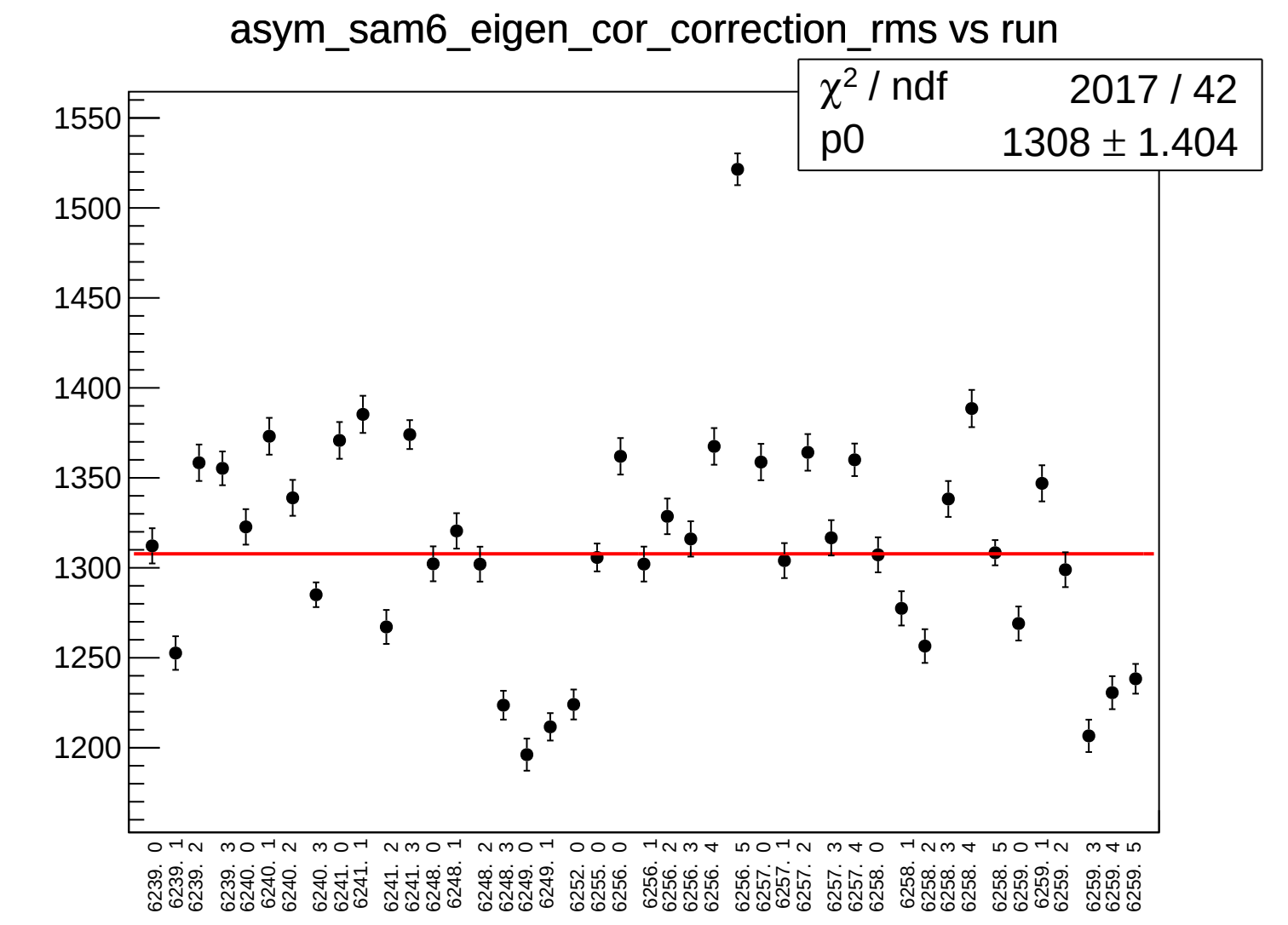

asym_sam6_cor_correction_rms vs run
χ² / ndf 2017 / 42
p0 1308 ± 1.404
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

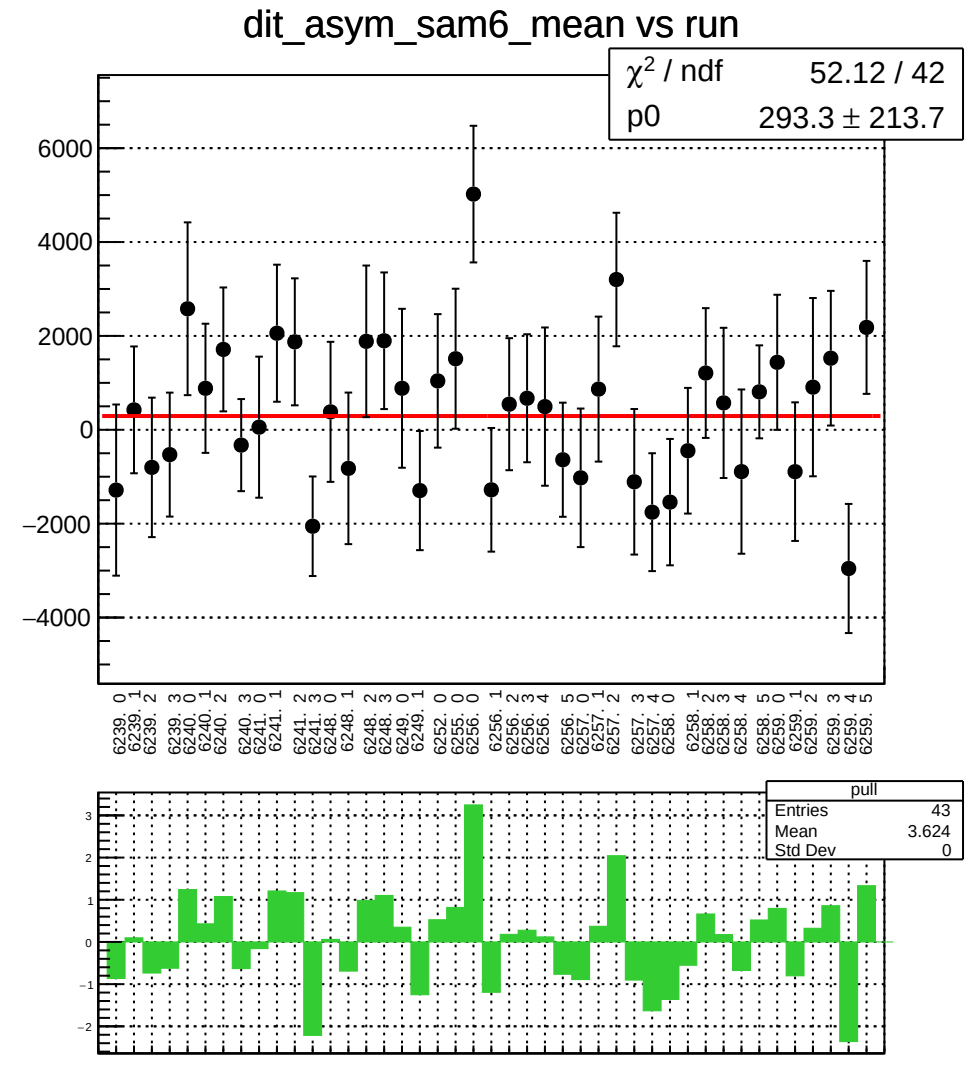

eigen_cor_asym_sam6_mean vs run
χ² / ndf 55.44 / 42
p0 194.6 ± 187.2
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.77
Std Dev 0
2
1
0
−1
−2
−3

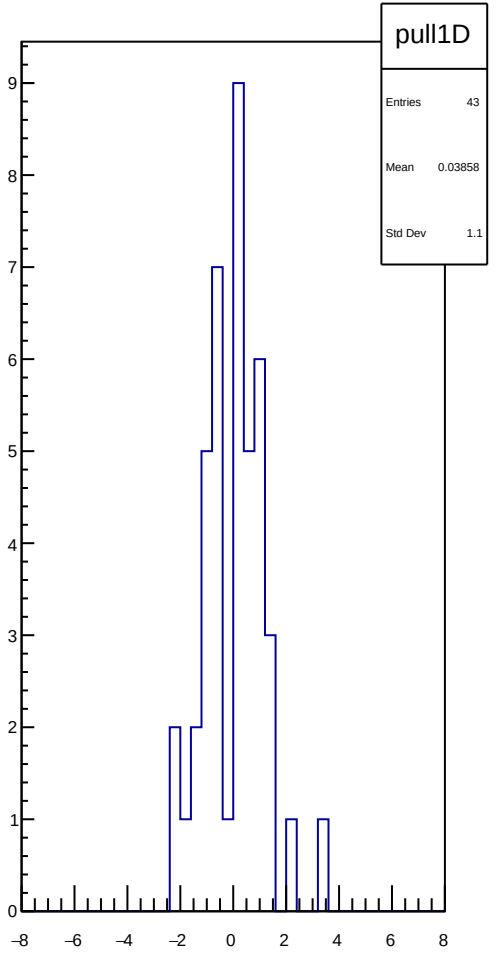

pull1D
Entries 43
Mean 0.04242
Std Dev 1.135
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

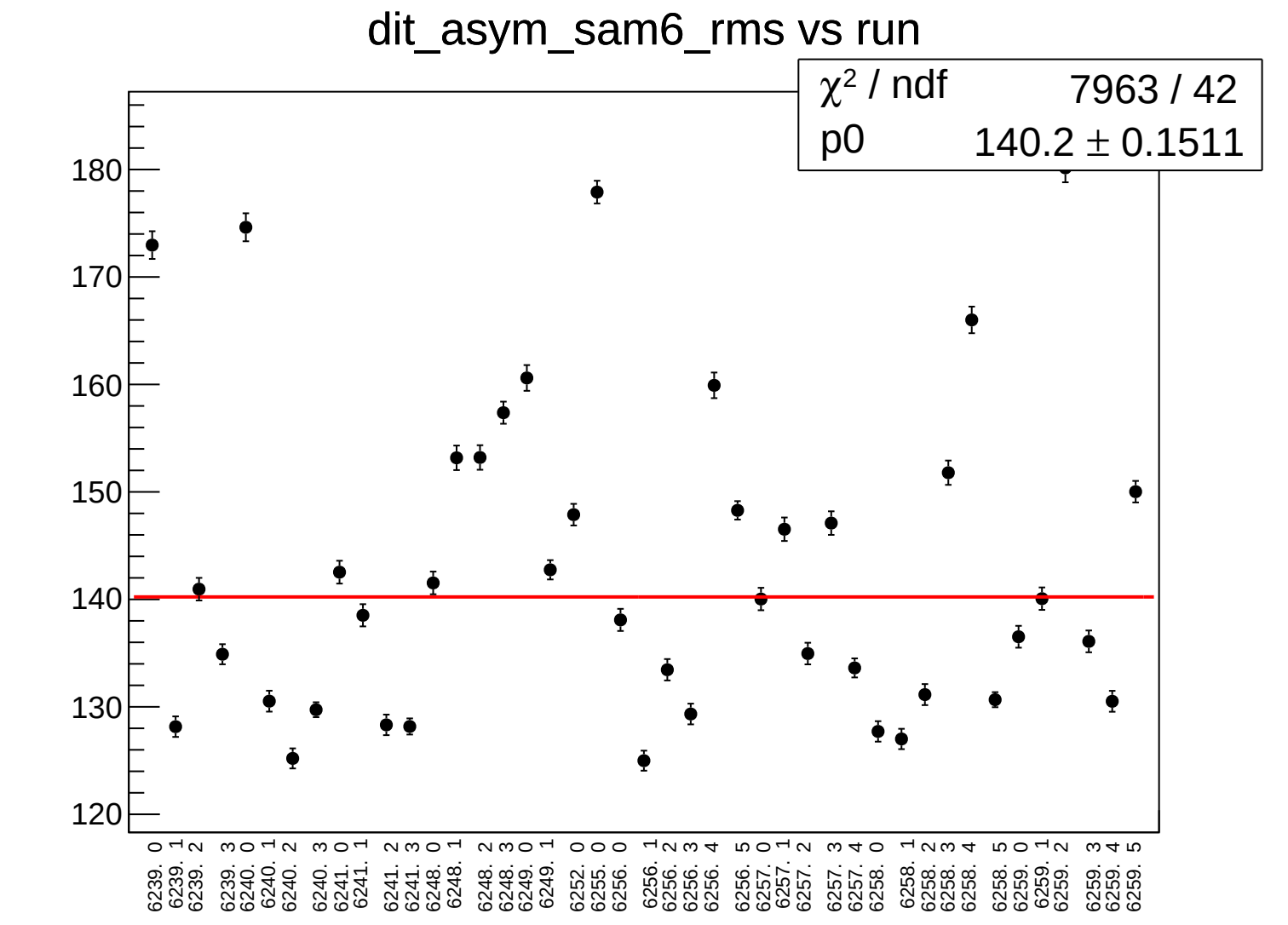

eigen_cor_asym_sam6_rms vs run
χ² / ndf 7494 / 42
p0 122.9 ± 0.1324
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

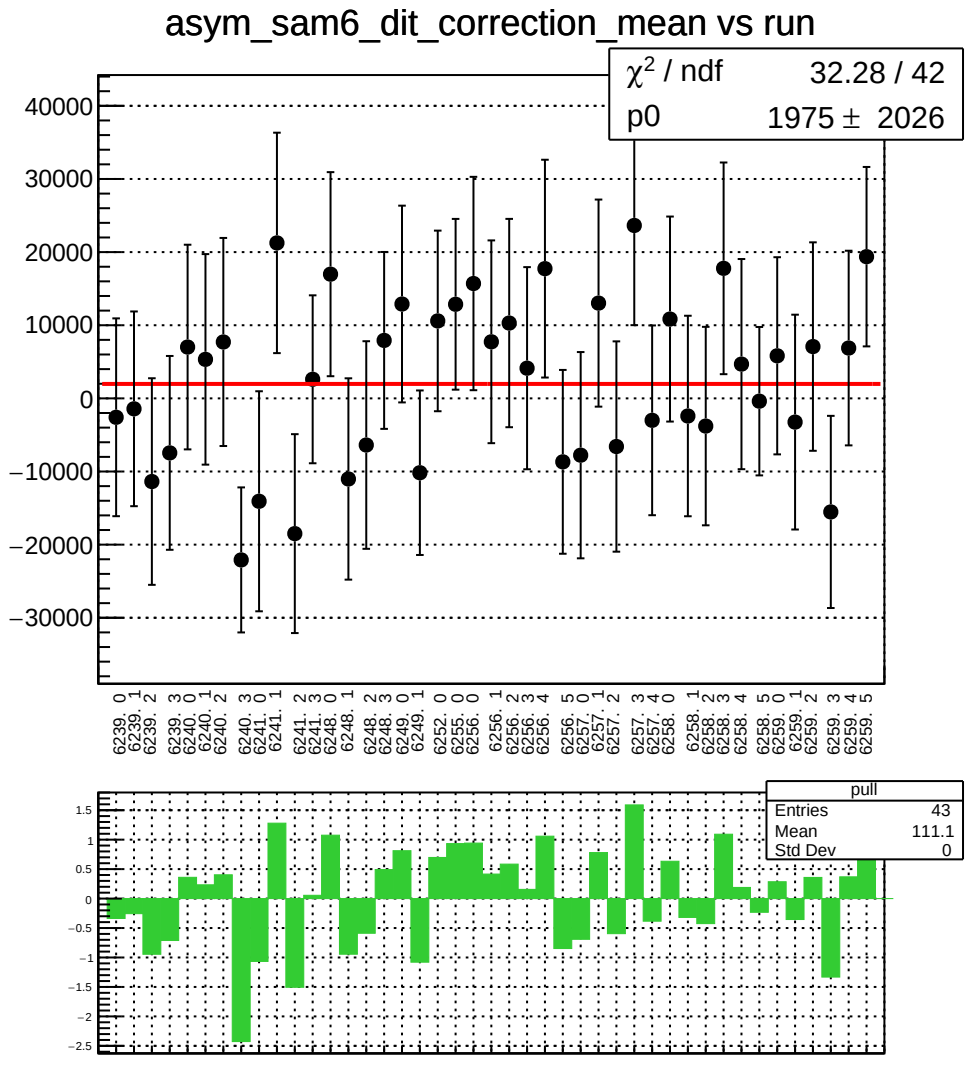

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 33.03 / 42
p0 1965 ± 1986
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 120.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.02419
Std Dev 0.8761
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

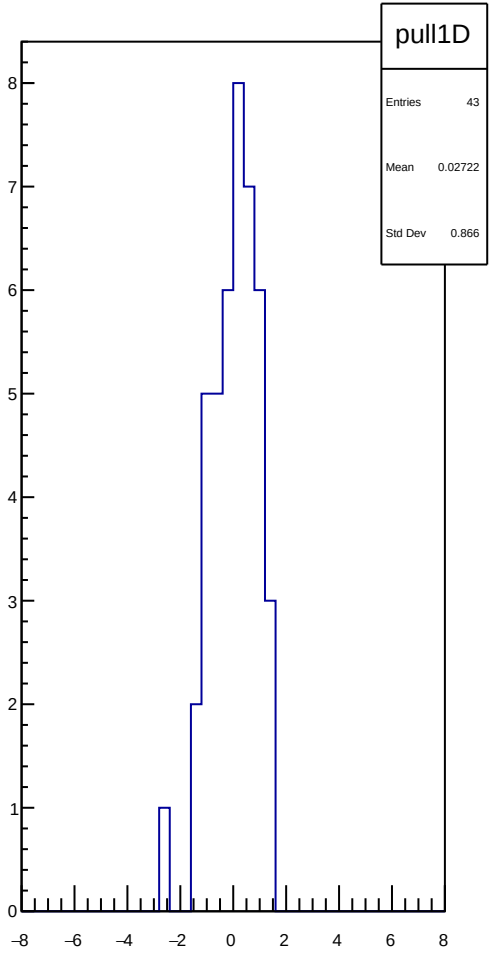

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2017 / 42
p0 1308 ± 1.404
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

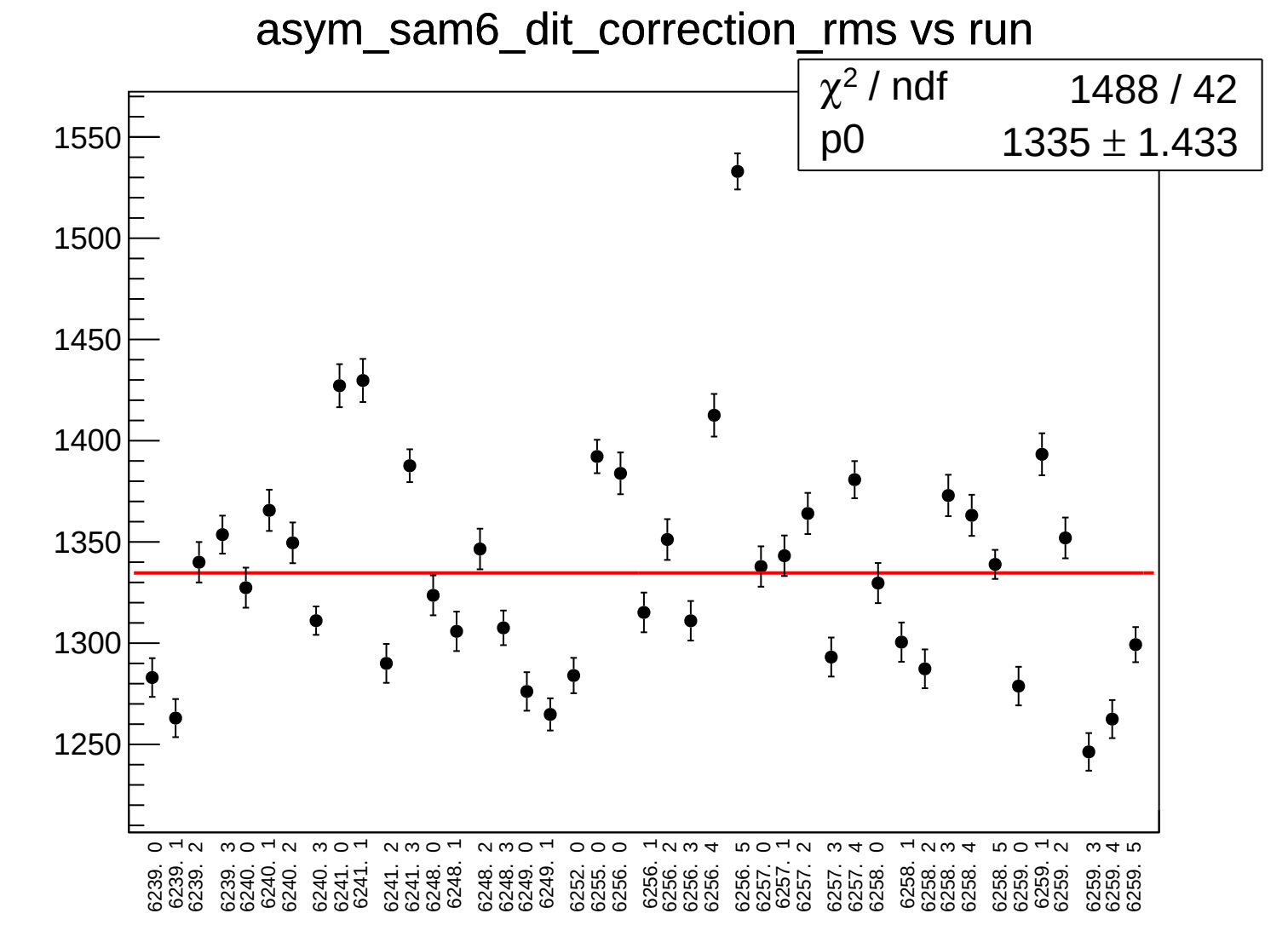

dit_asym_sam6_mean vs run
χ² / ndf 52.12 / 42
p0 293.3 ± 213.7
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.624
Std Dev 0
3
2
1
0
−1
−2

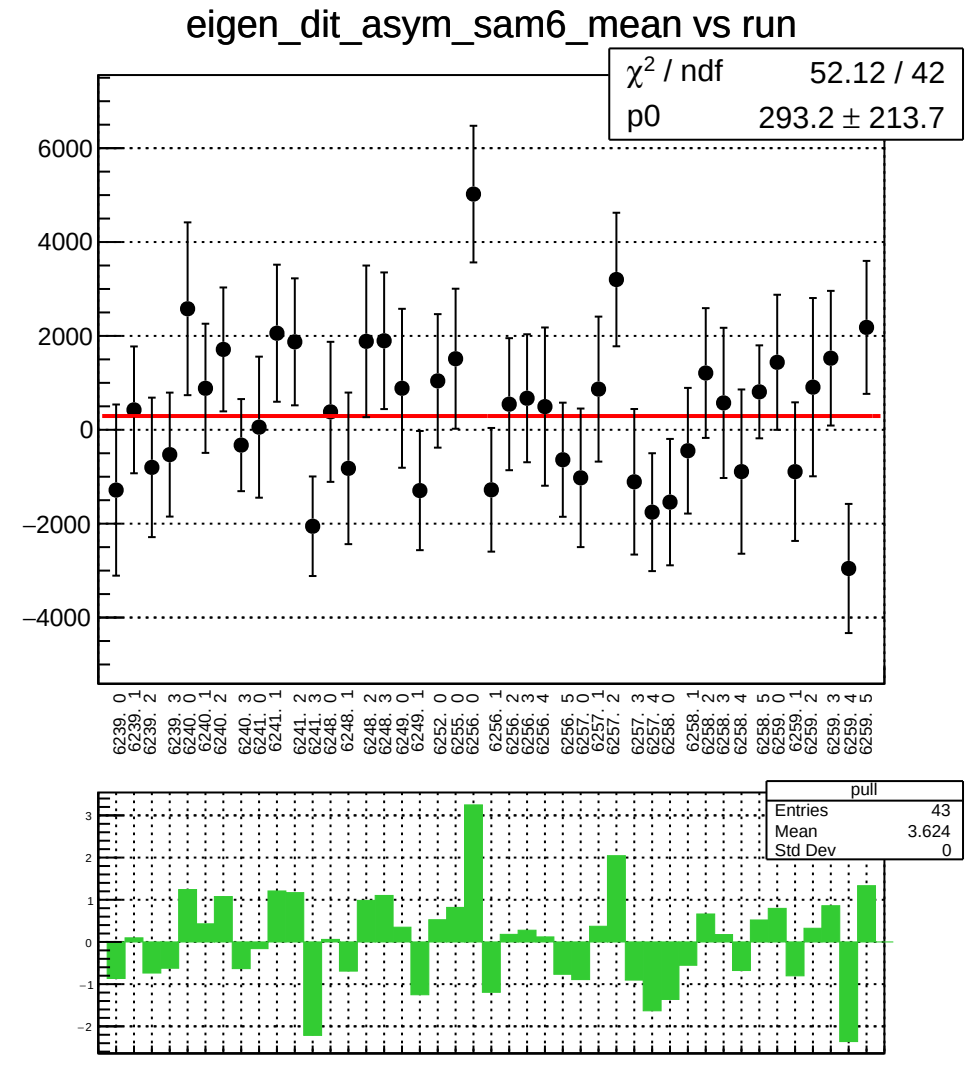

pull1D
Entries 43
Mean 0.03858
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

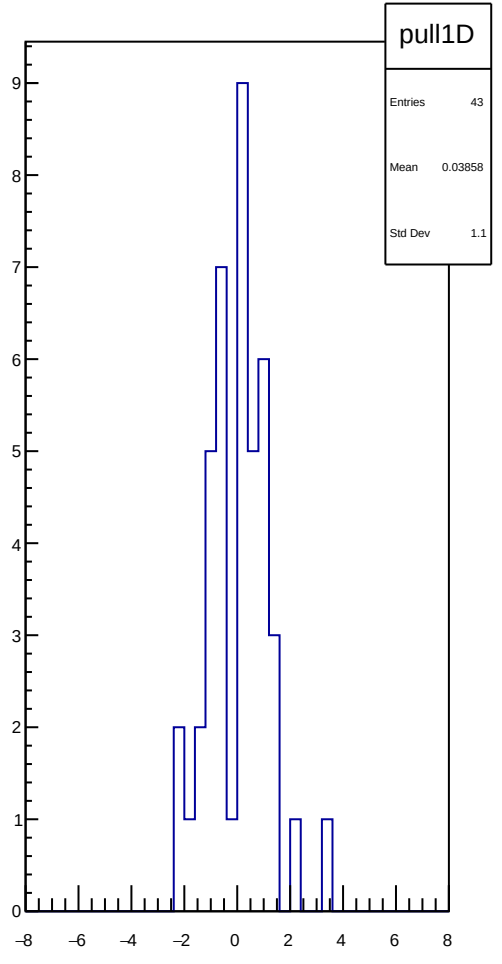

dit_asym_sam6_rms vs run
χ² / ndf 7963 / 42
p0 140.2 ± 0.1511
180
170
160
150
140
130
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

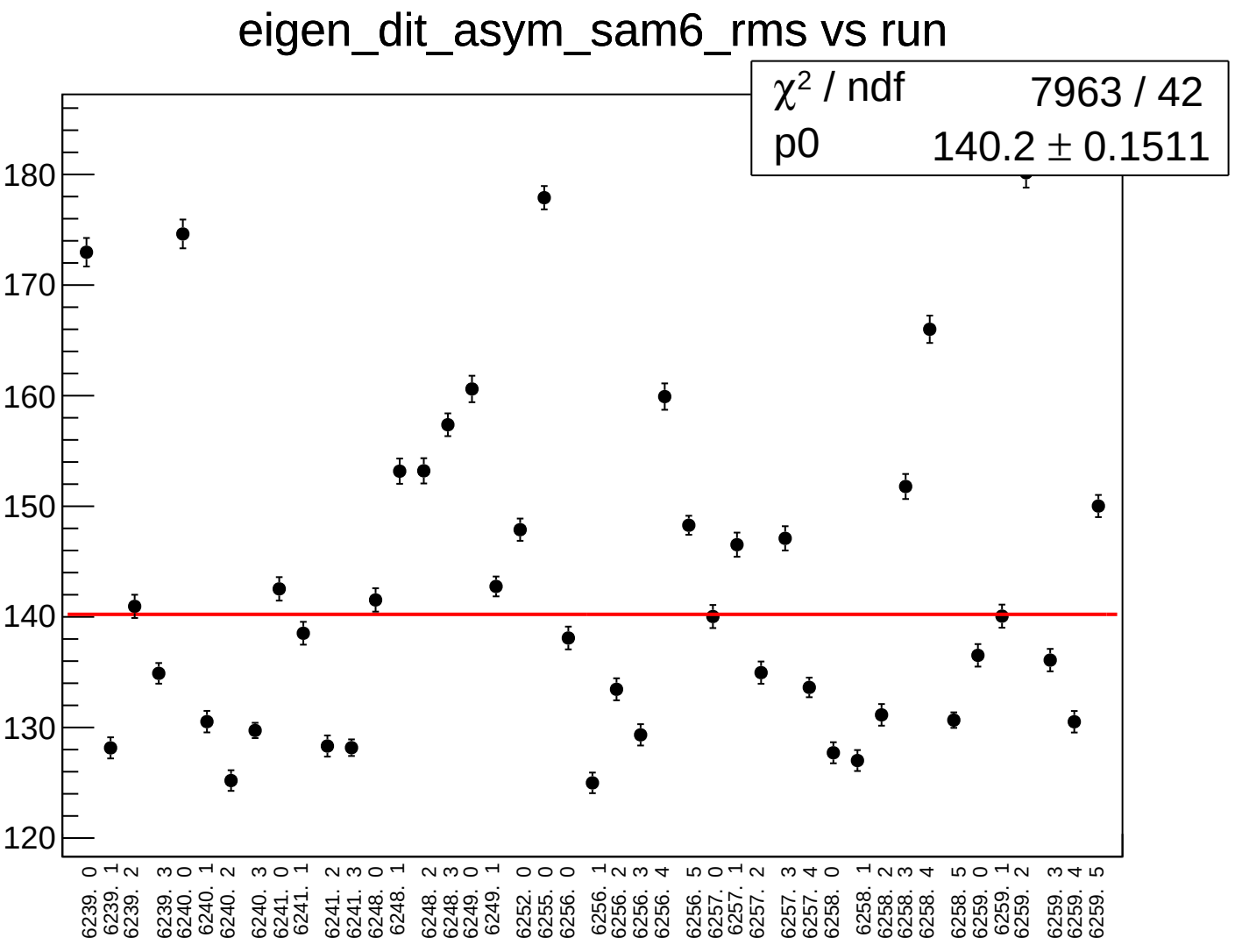

asym_sam6_dit_correction_mean vs run
χ² / ndf 32.28 / 42
p0 1975 ± 2026
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

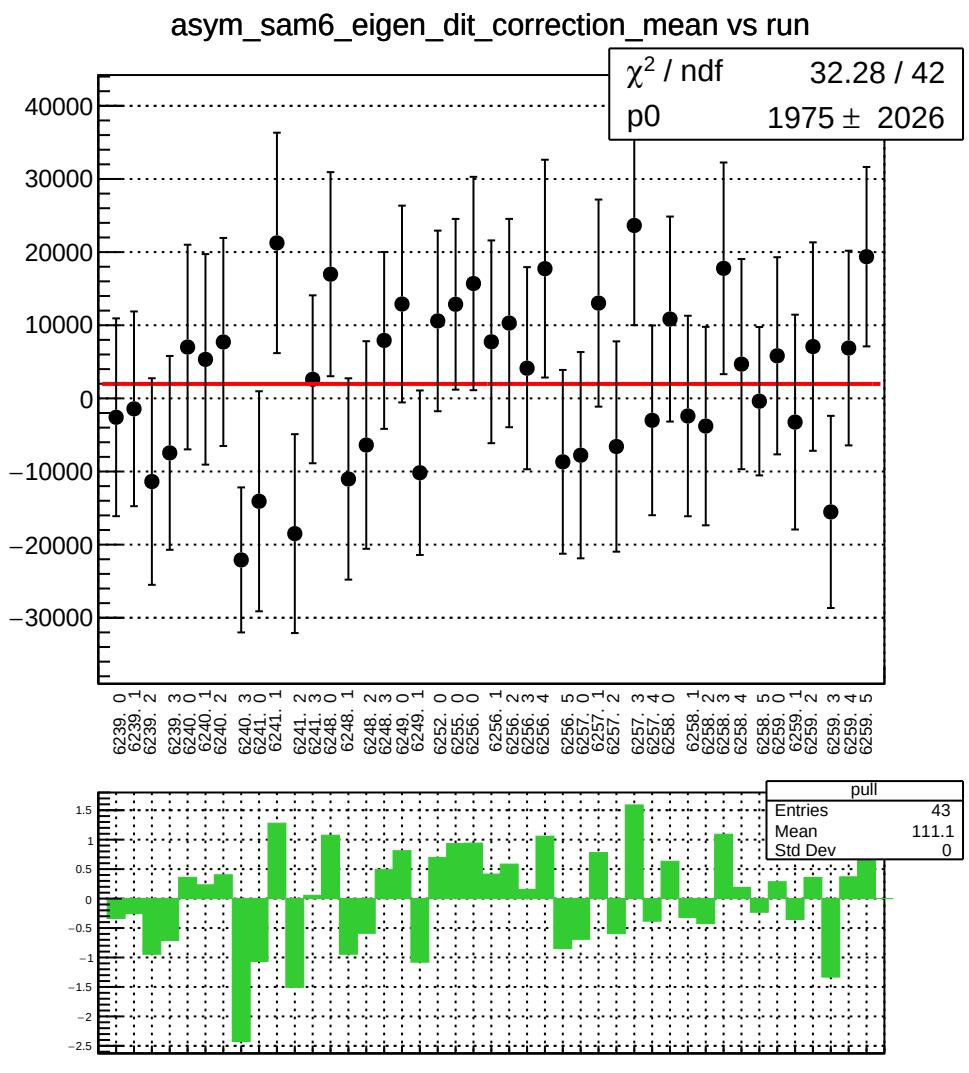

pull1D
Entries 43
Mean 0.02722
Std Dev 0.866
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

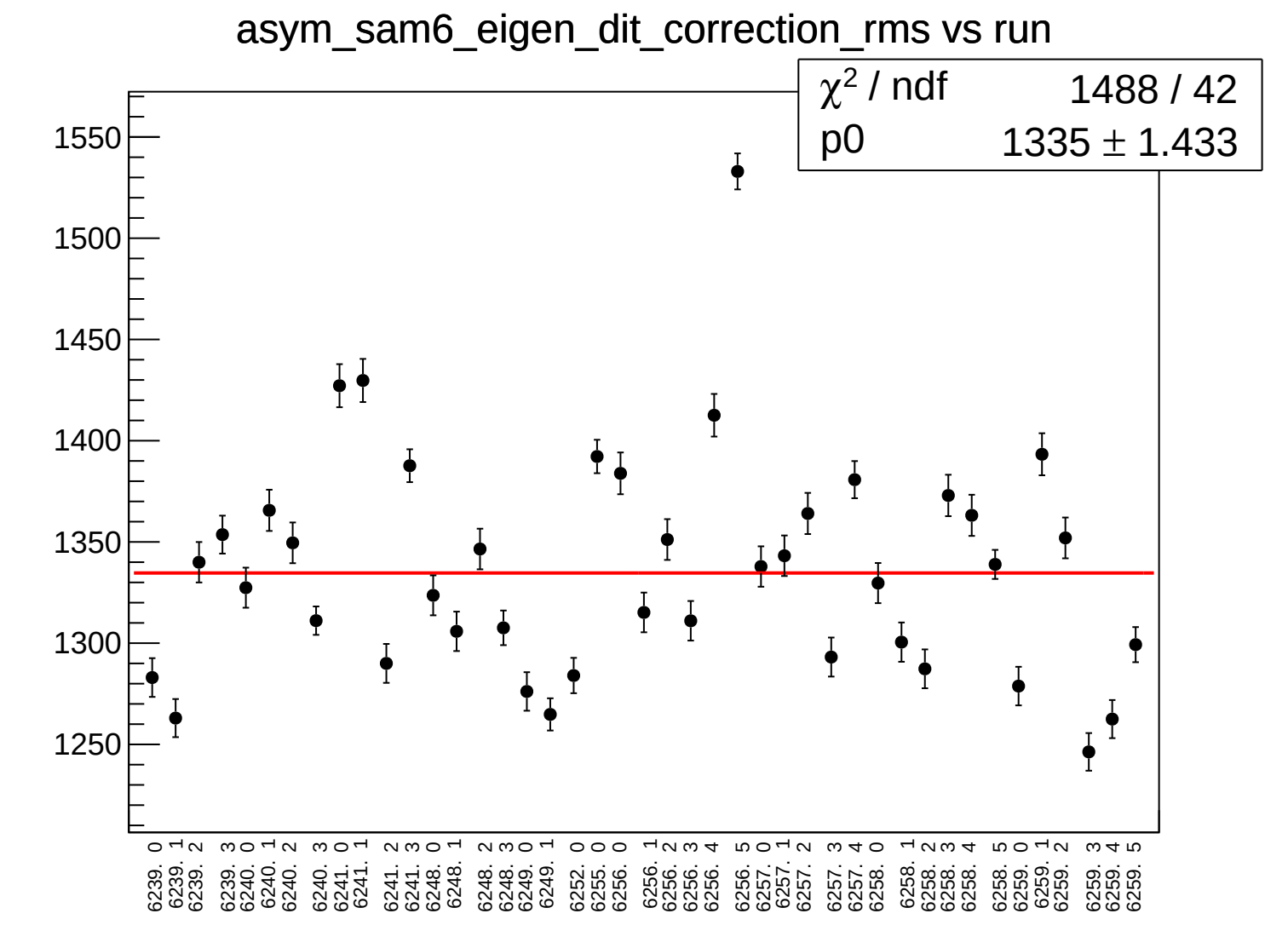

asym_sam6_dit_correction_rms vs run
χ² / ndf 1488 / 42
p0 1335 ± 1.433
1550
1500
1450
1400
1350
1300
1250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

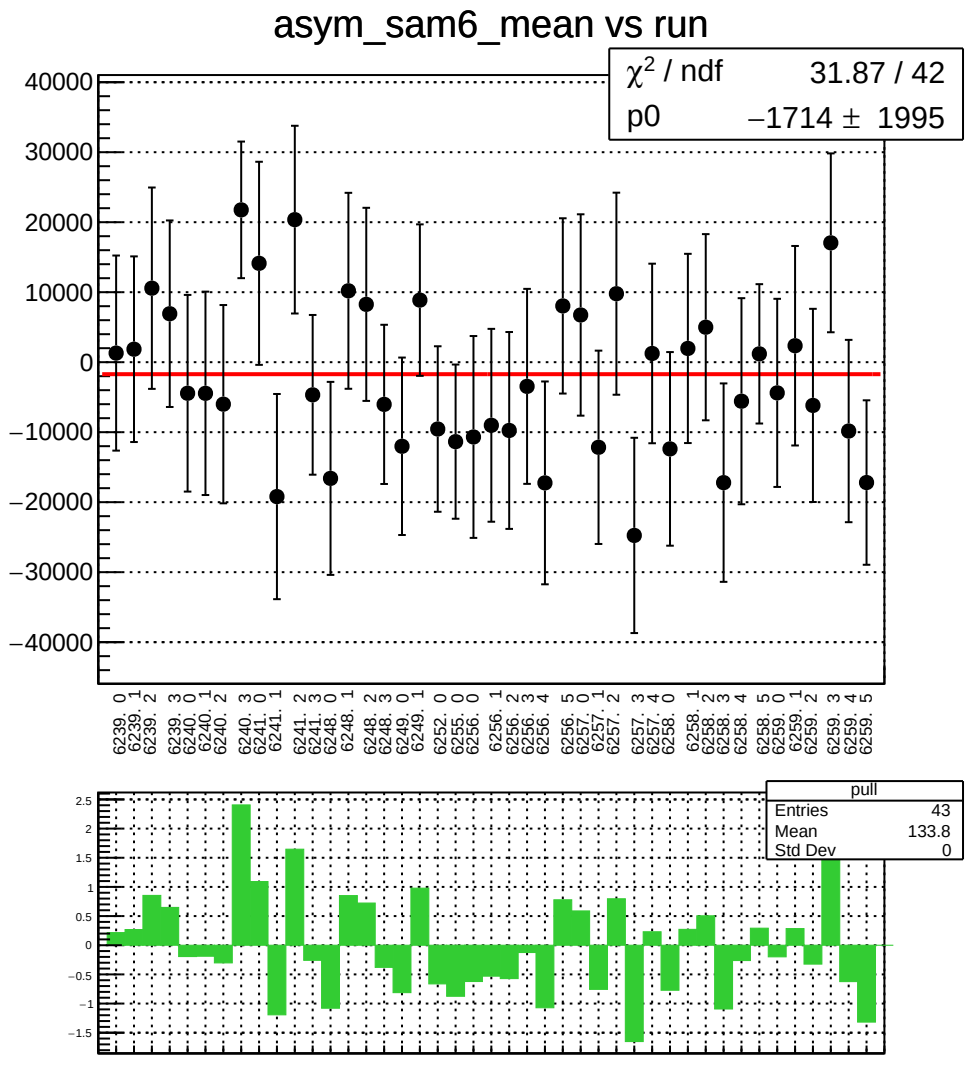

eigen_dit_asym_sam6_mean vs run
χ² / ndf 52.12 / 42
p0 293.2 ± 213.7
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.624
Std Dev 0
3
2
1
0
−1
−2

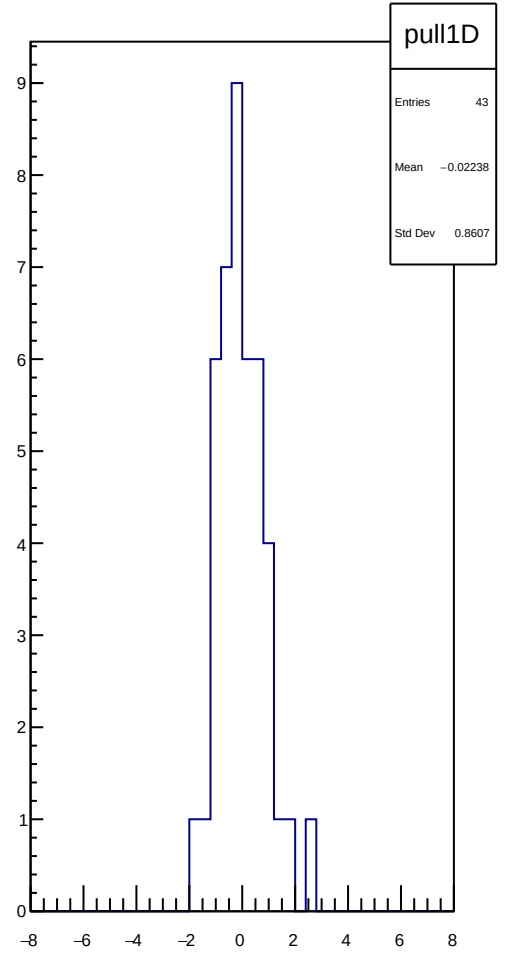

pull1D
Entries 43
Mean 0.03858
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

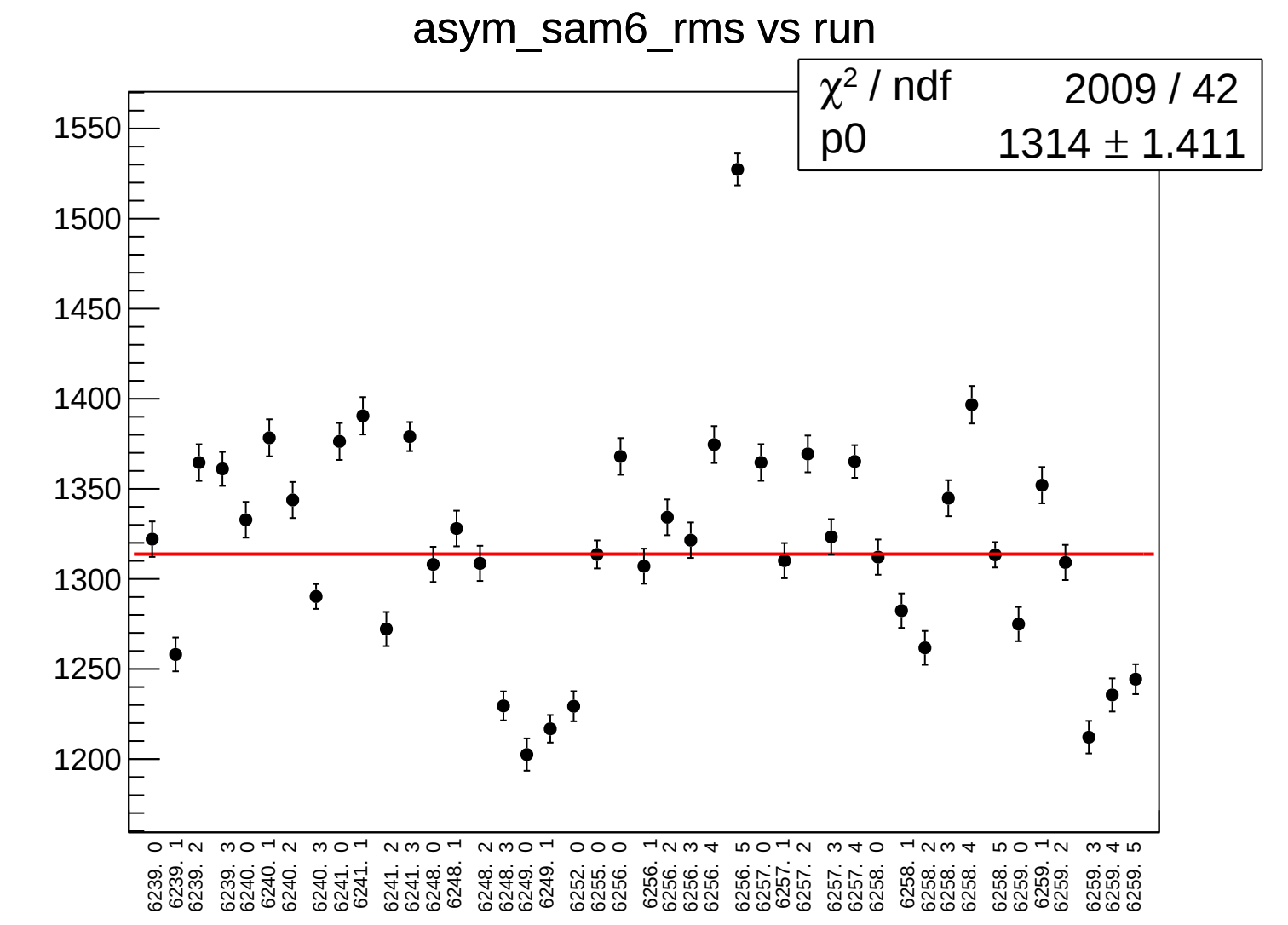

eigen_dit_asym_sam6_rms vs run
χ² / ndf 7963 / 42
p0 140.2 ± 0.1511
180
170
160
150
140
130
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

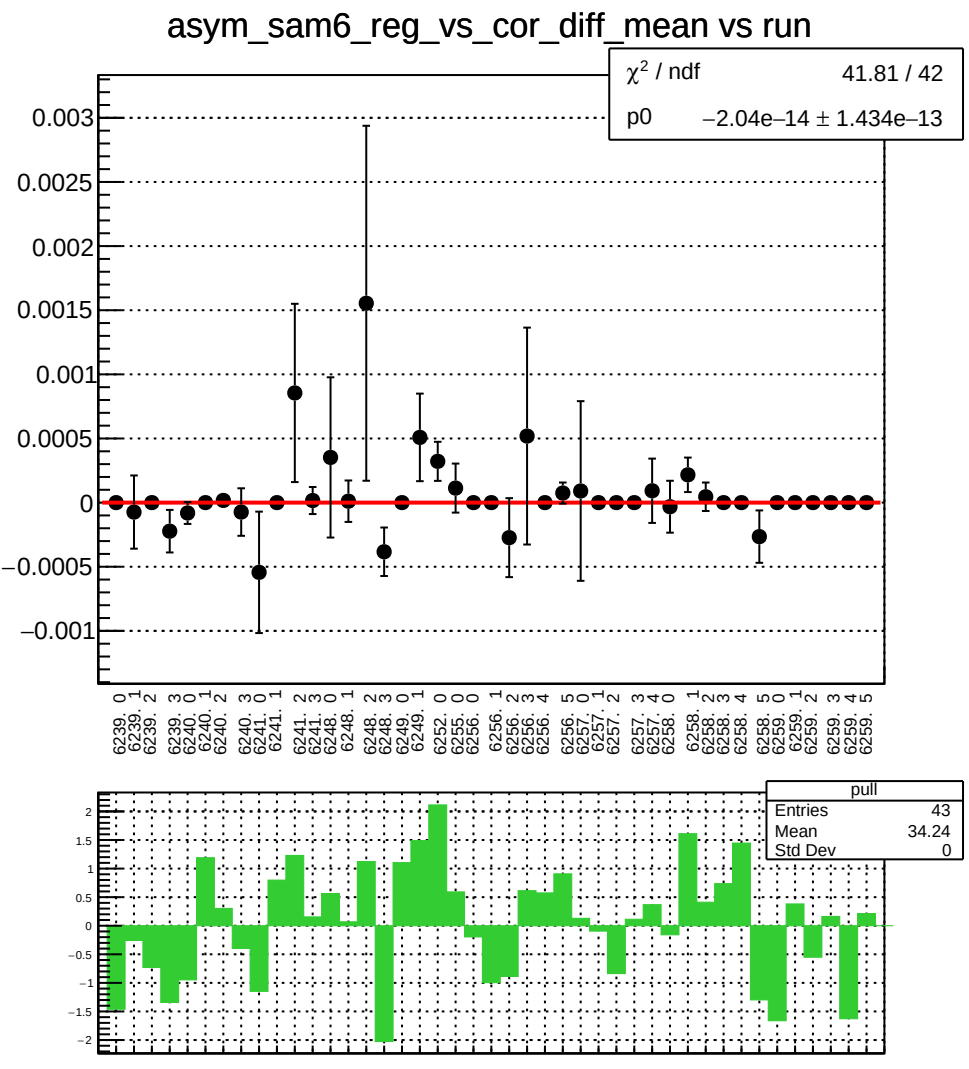

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 32.28 / 42
p0 1975 ± 2026
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.02722
Std Dev 0.866
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

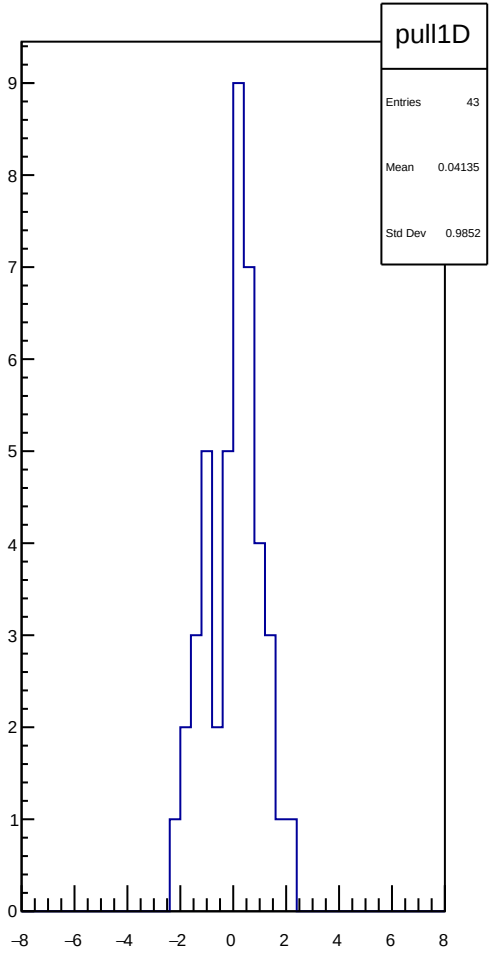

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 1488 / 42
p0 1335 ± 1.433
1550
1500
1450
1400
1350
1300
1250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

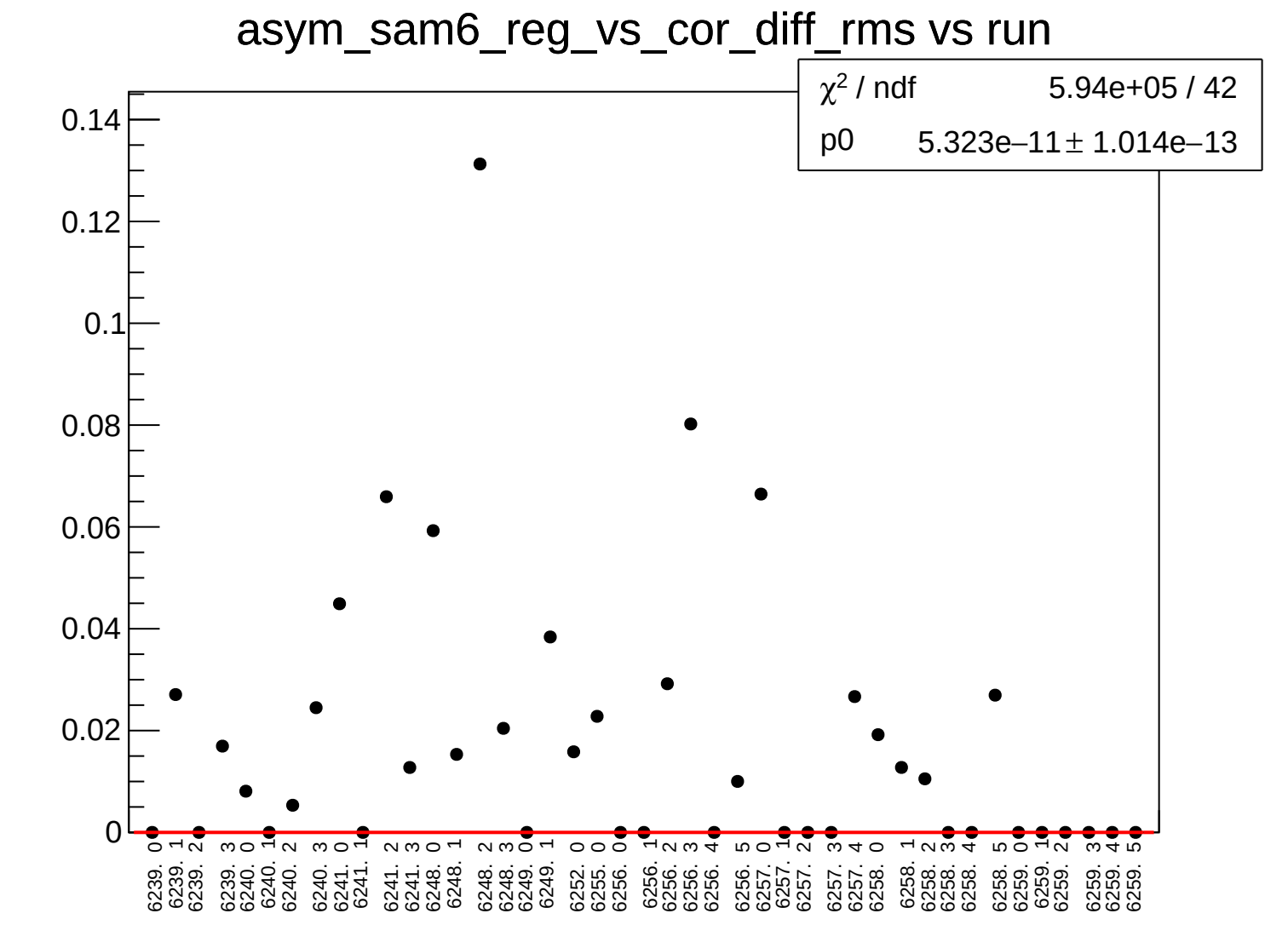

asym_sam6_mean vs run
χ² / ndf 31.87 / 42
p0 −1714 ± 1995
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 133.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

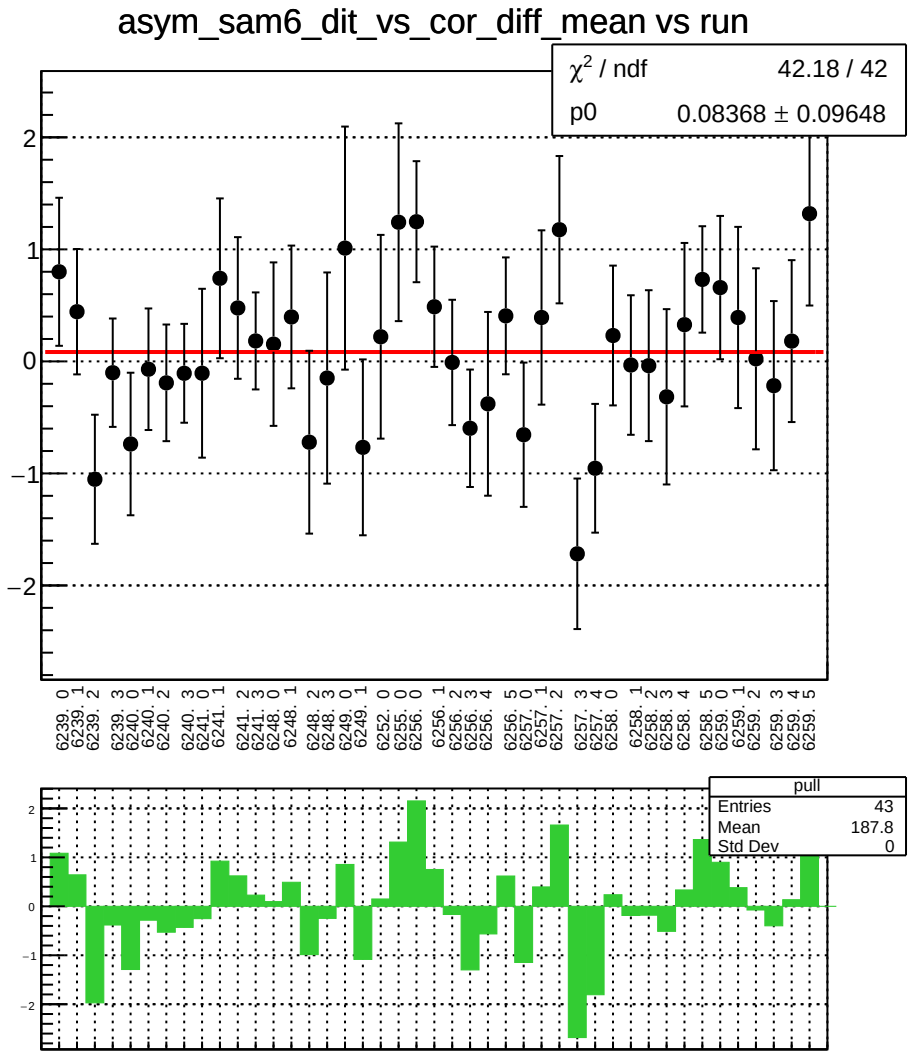

pull1D
Entries 43
Mean −0.02238
Std Dev 0.8607
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

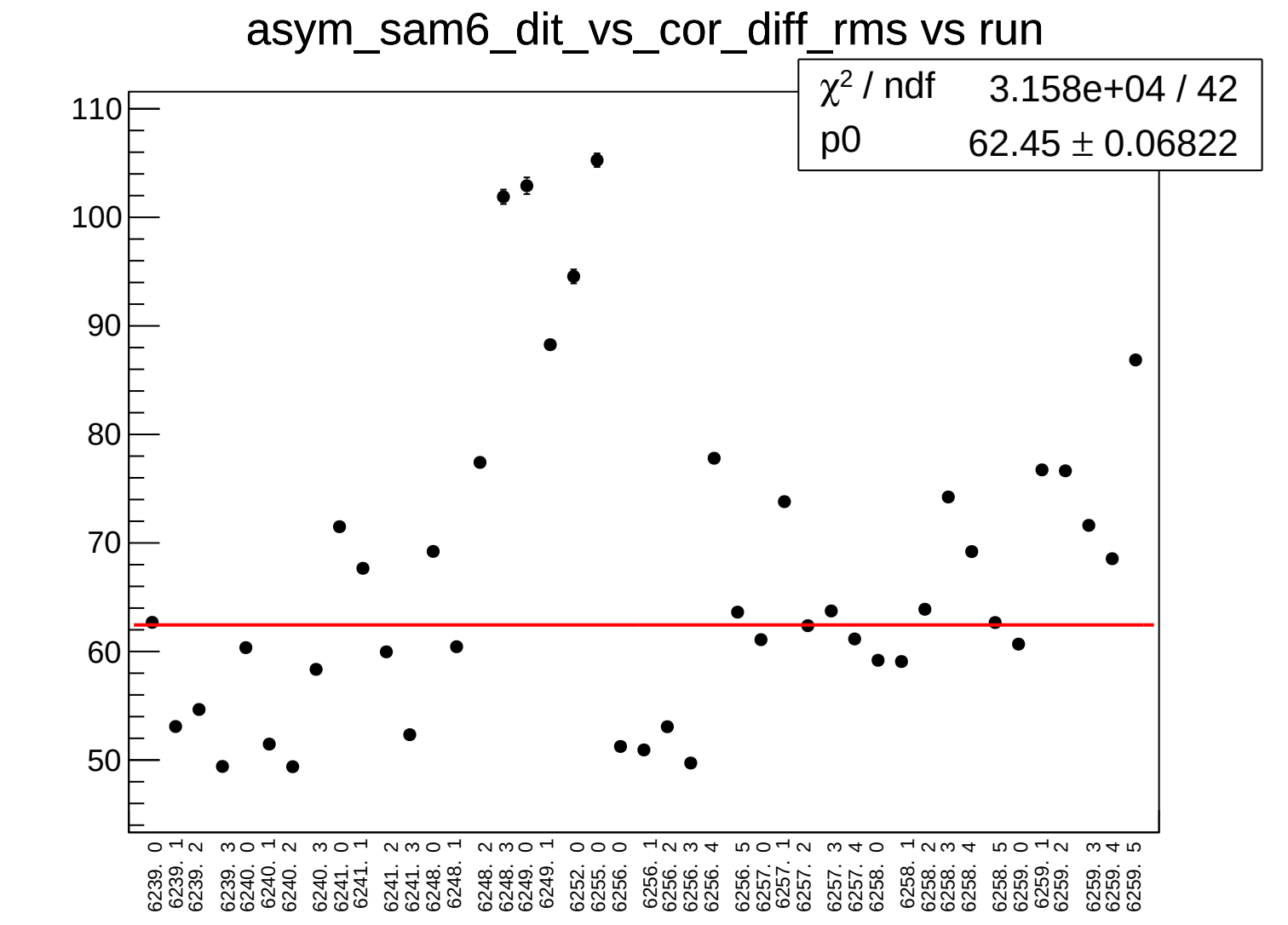

asym_sam6_rms vs run
χ² / ndf 2009 / 42
p0 1314 ± 1.411
1550
1500
1450
1400
1350
1300
1250
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

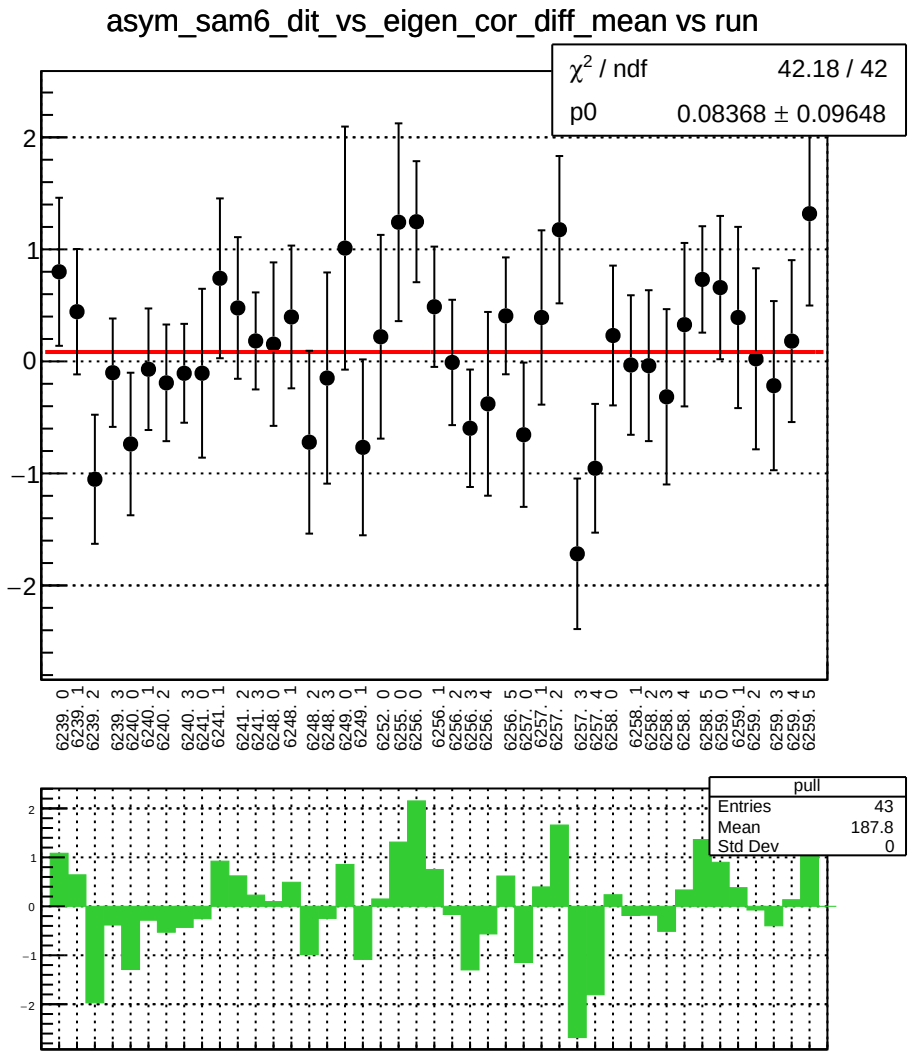

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 41.81 / 42
p0 −2.04e−14 ± 1.434e−13
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 34.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

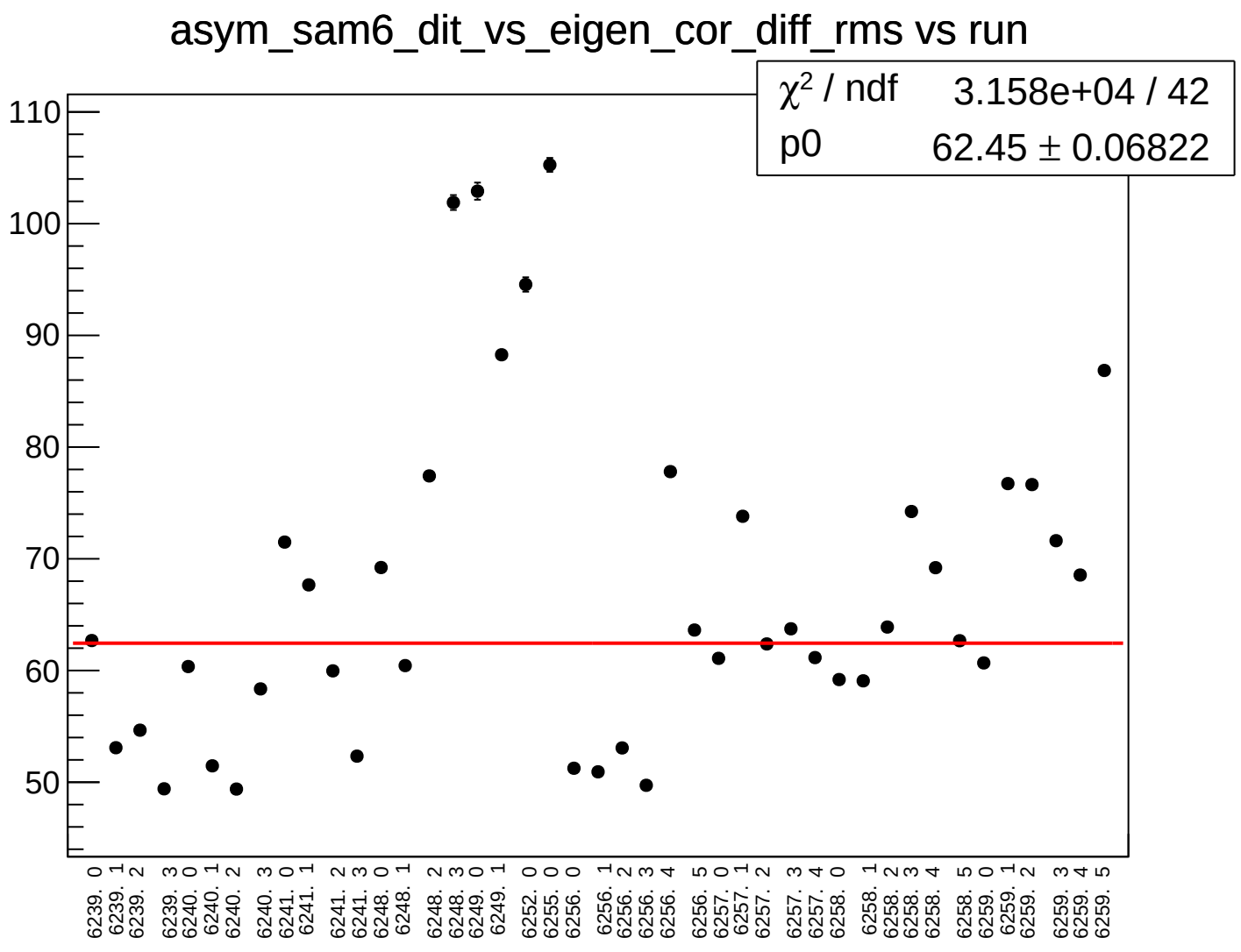

pull1D
Entries 43
Mean 0.04135
Std Dev 0.9852
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

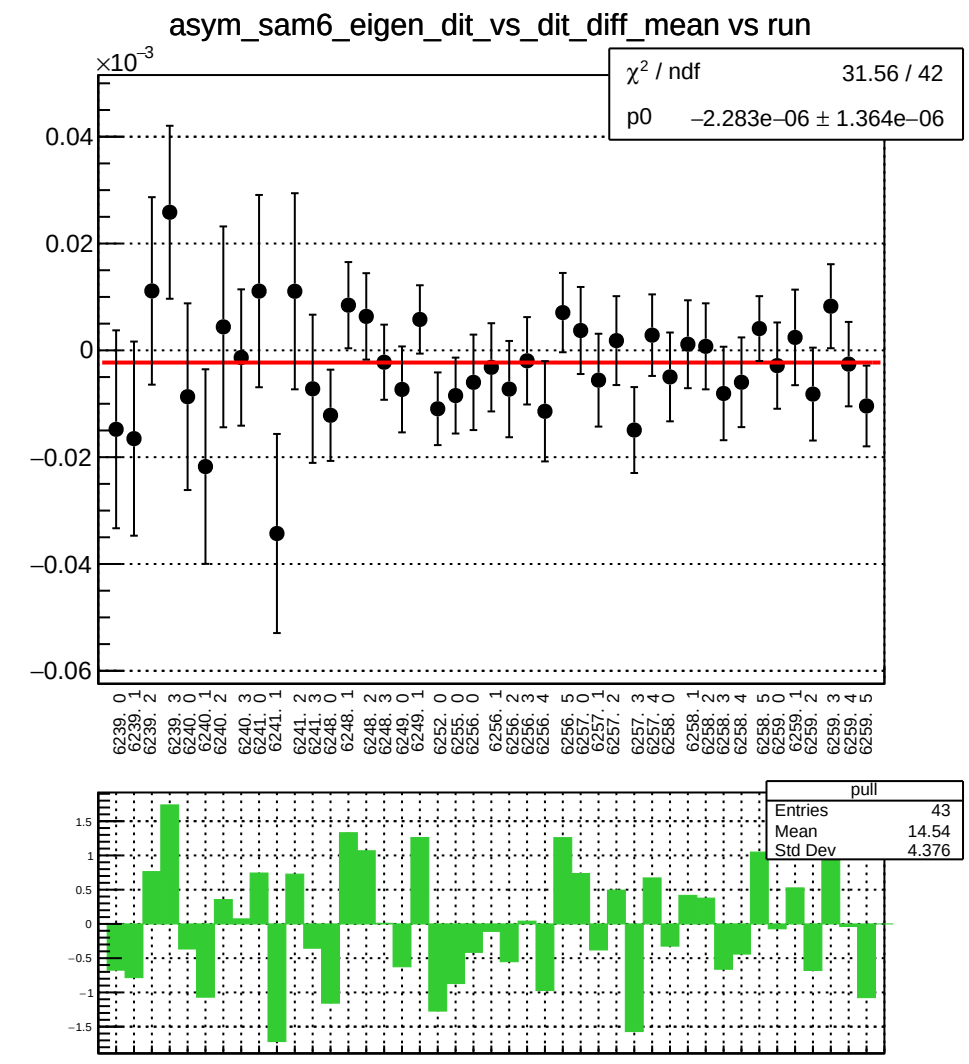

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 5.94e+05 / 42
p0 5.323e−11 ± 1.014e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

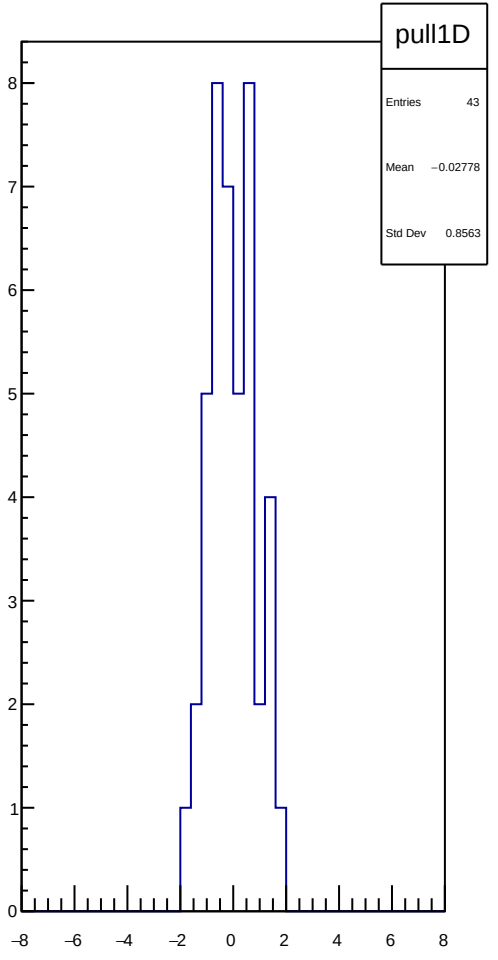

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 42.18 / 42
p0 0.08368 ± 0.09648
pull
Entries 43
Mean 187.8
Std Dev 0
pull1D
Entries 43
Mean 0.008688
Std Dev 0.9903

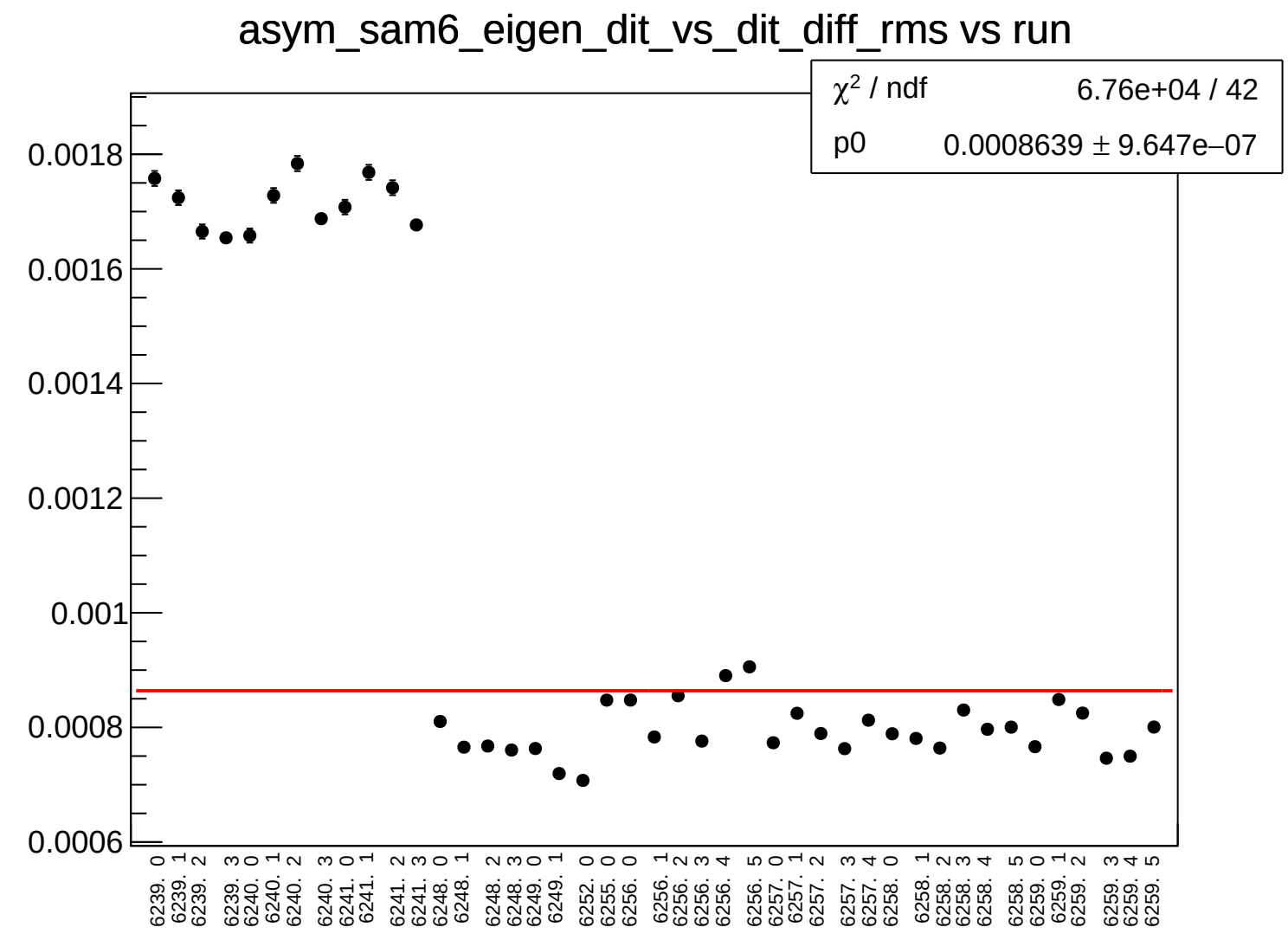

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 3.158e+04 / 42
p0 62.45 ± 0.06822
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

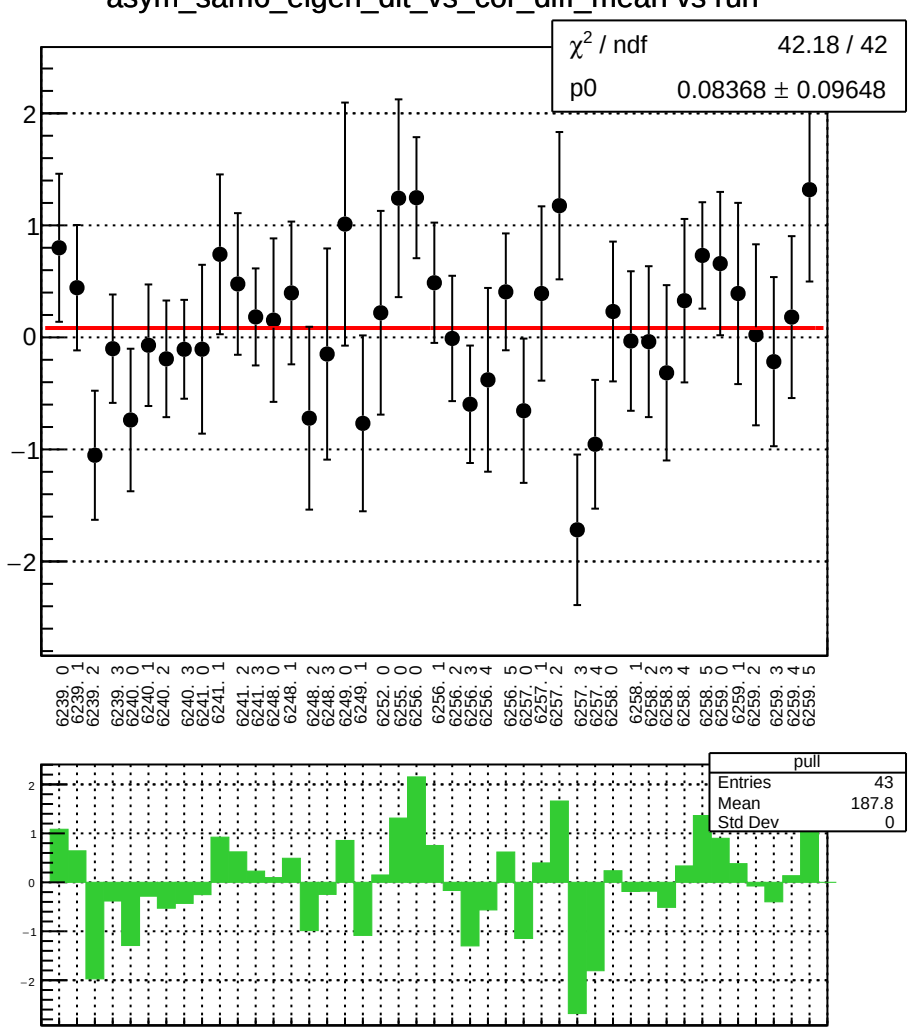

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.18 / 42
p0 0.08368 ± 0.09648
pull
Entries 43
Mean 187.8
Std Dev 0
pull1D
Entries 43
Mean 0.008688
Std Dev 0.9903

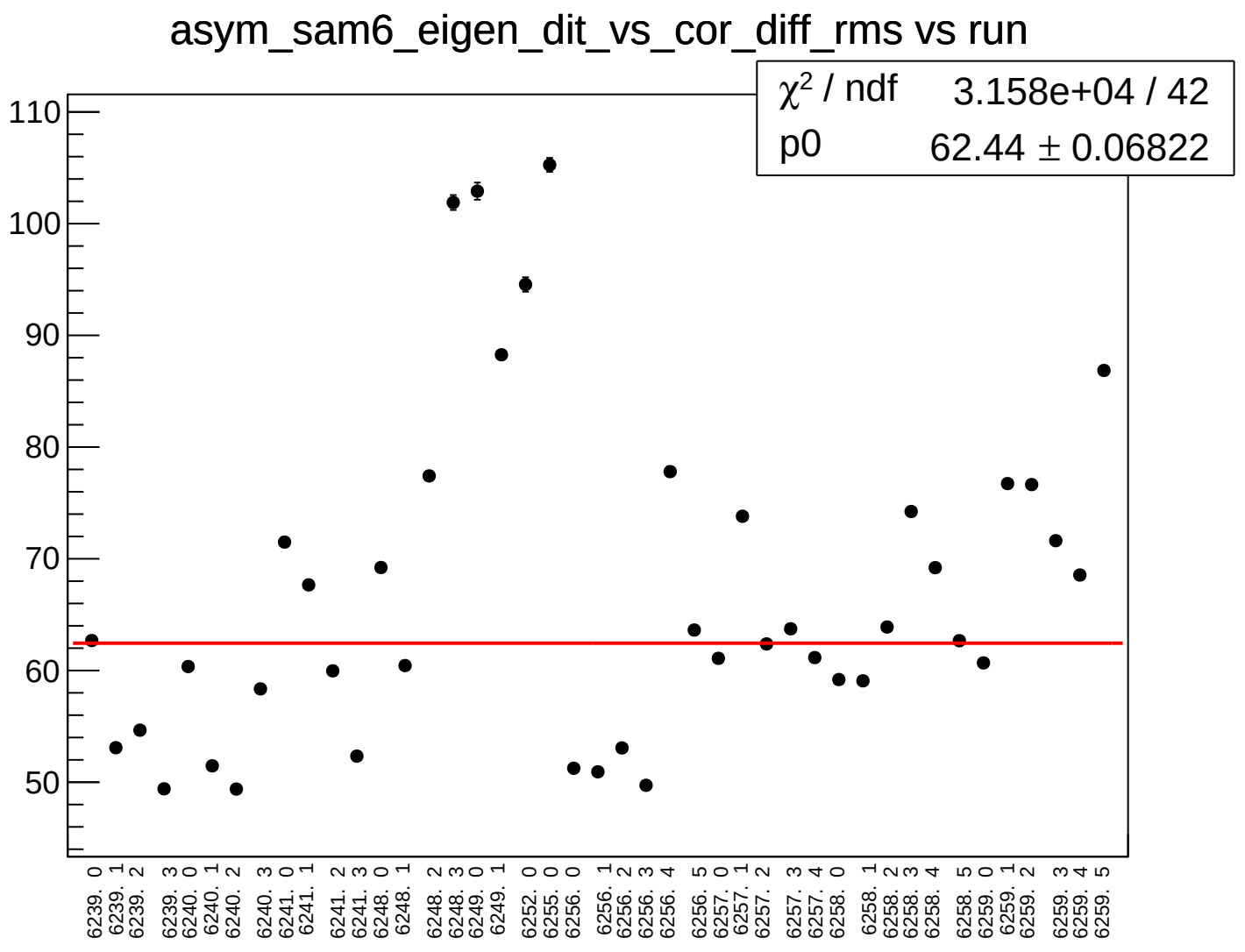

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.158e+04 / 42
p0 62.45 ± 0.06822
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

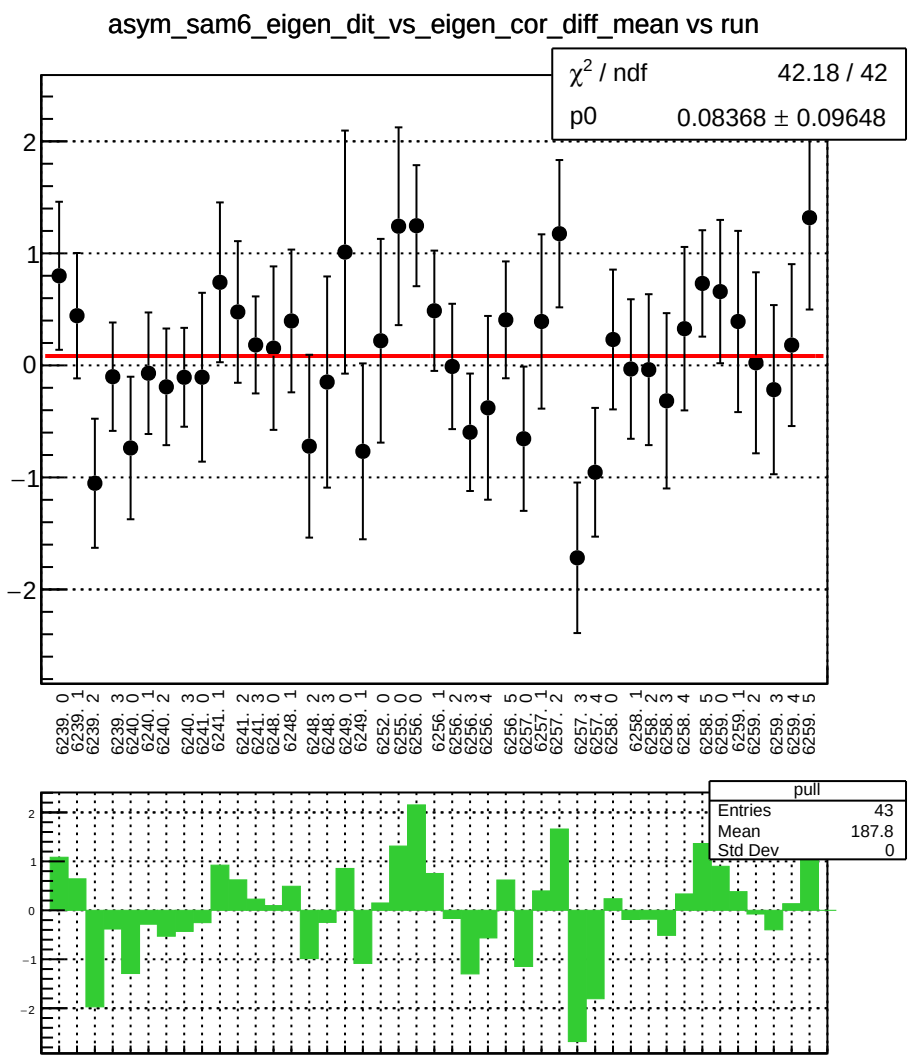

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.56 / 42
p0 −2.283e−06 ± 1.364e−06
0.04
0.02
0
−0.02
−0.04
−0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 14.54
Std Dev 4.376
1.5
1
0.5
0
−0.5
−1
−1.5

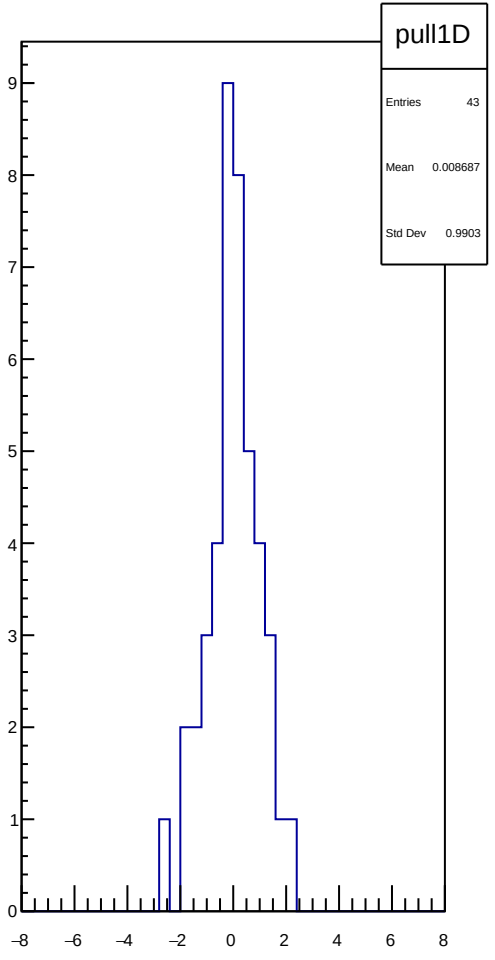

pull1D
Entries 43
Mean −0.02778
Std Dev 0.8563
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

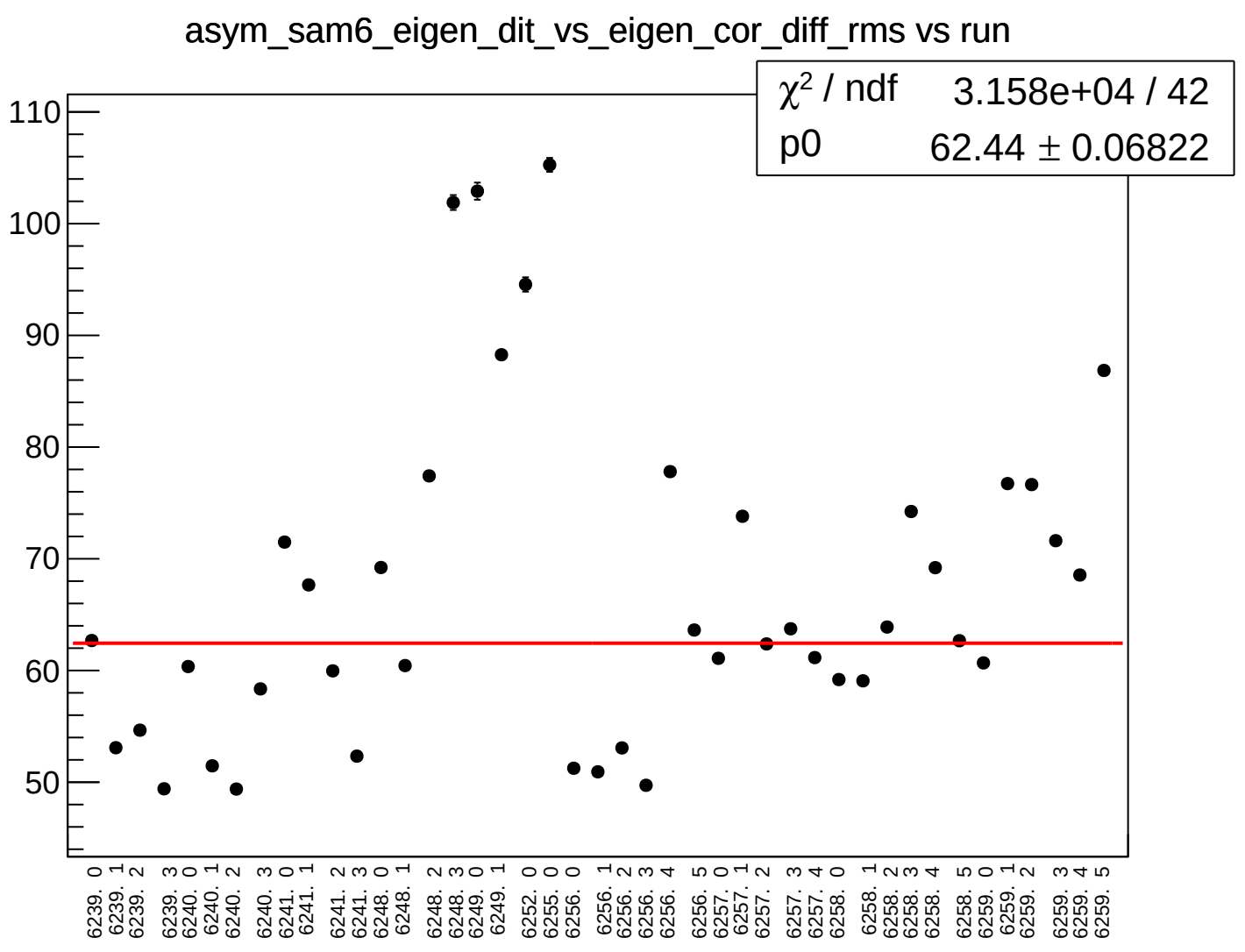

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.76e+04 / 42
p0 0.0008639 ± 9.647e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

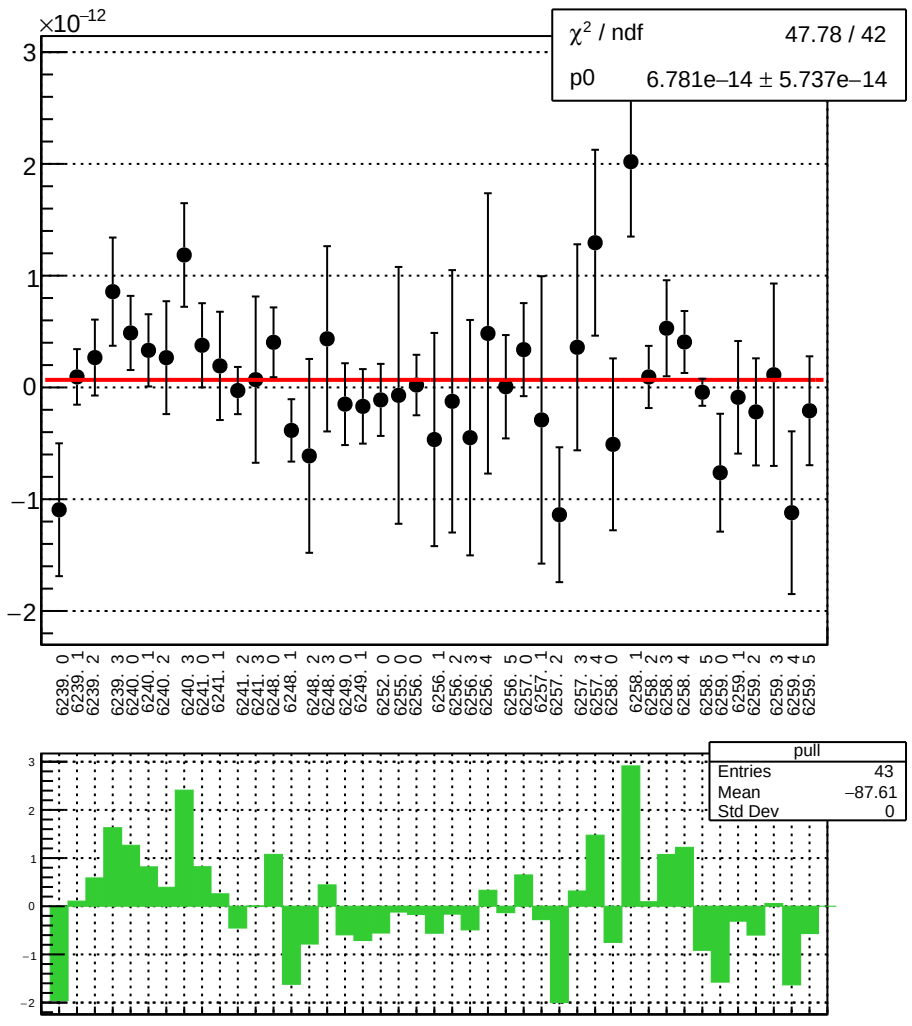

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.18 / 42
p0 0.08368 ± 0.09648
pull
Entries 43
Mean 187.8
Std Dev 0
pull1D
Entries 43
Mean 0.008687
Std Dev 0.9903

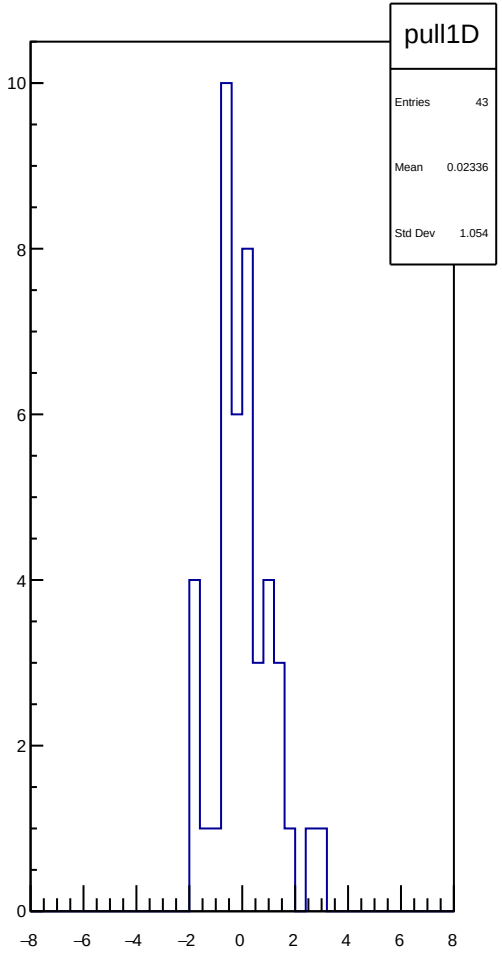

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.158e+04 / 42
p0 62.44 ± 0.06822
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

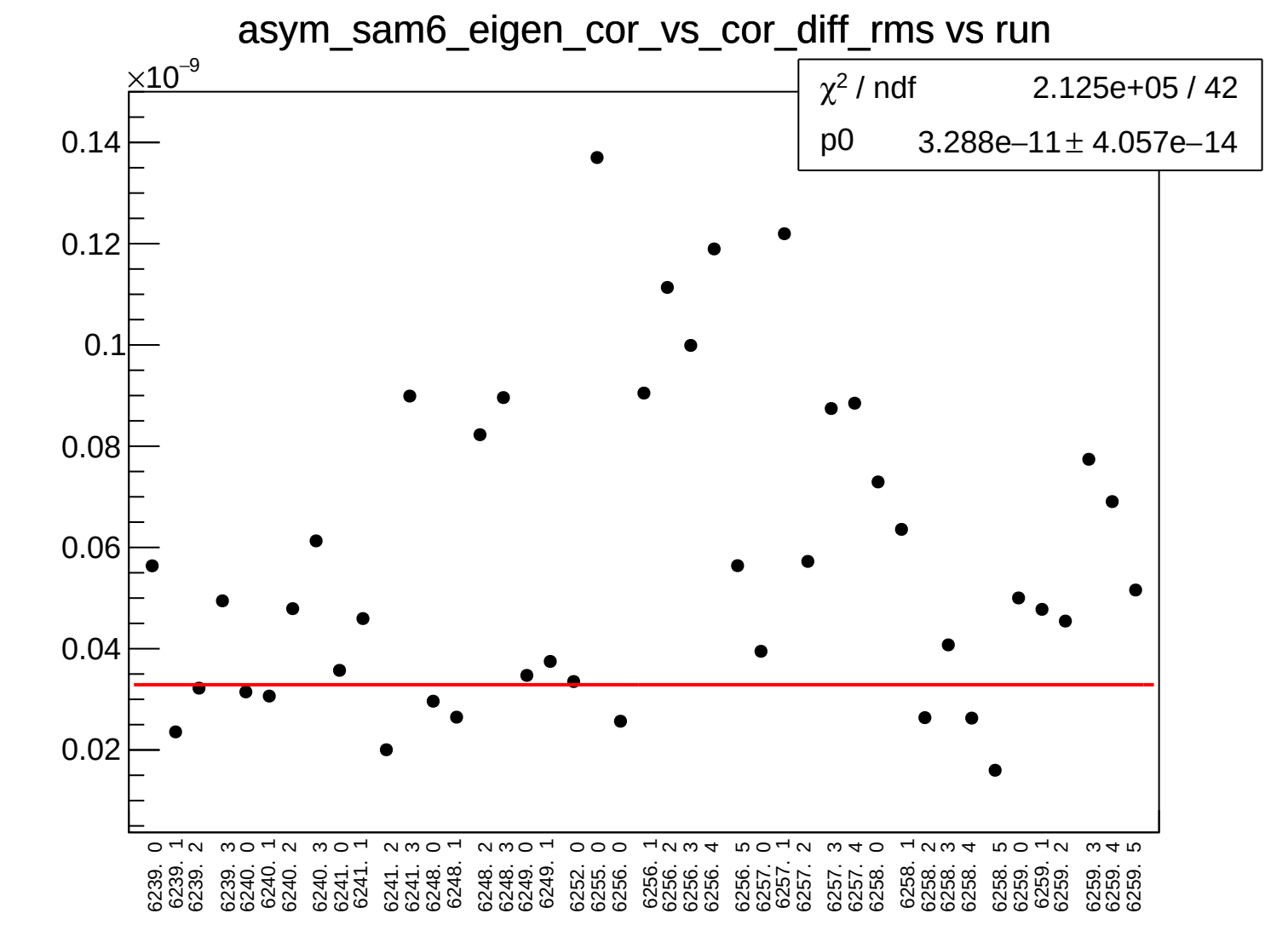

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.18 / 42
p0 0.08368 ± 0.09648
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 187.8
Std Dev 0
2
1
0
−1
−2

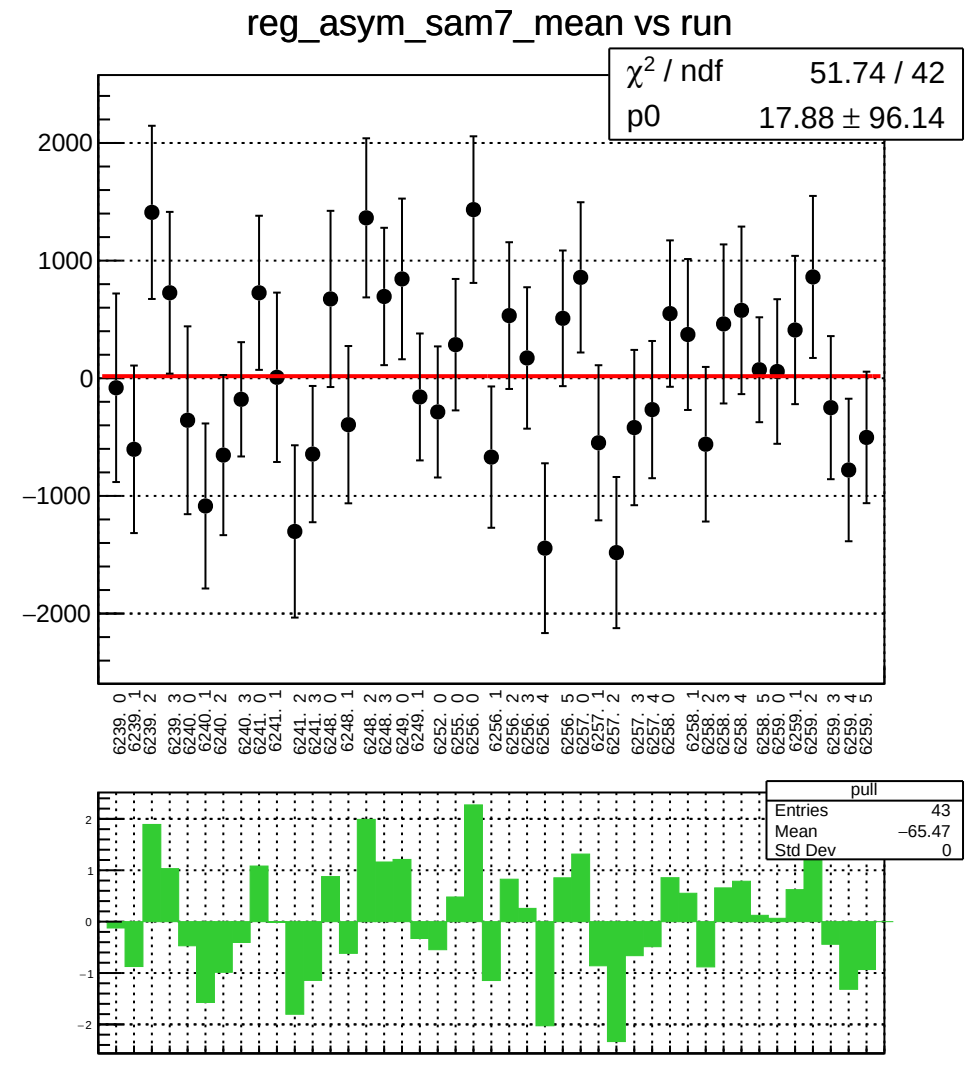

pull1D
Entries 43
Mean 0.008687
Std Dev 0.9903
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

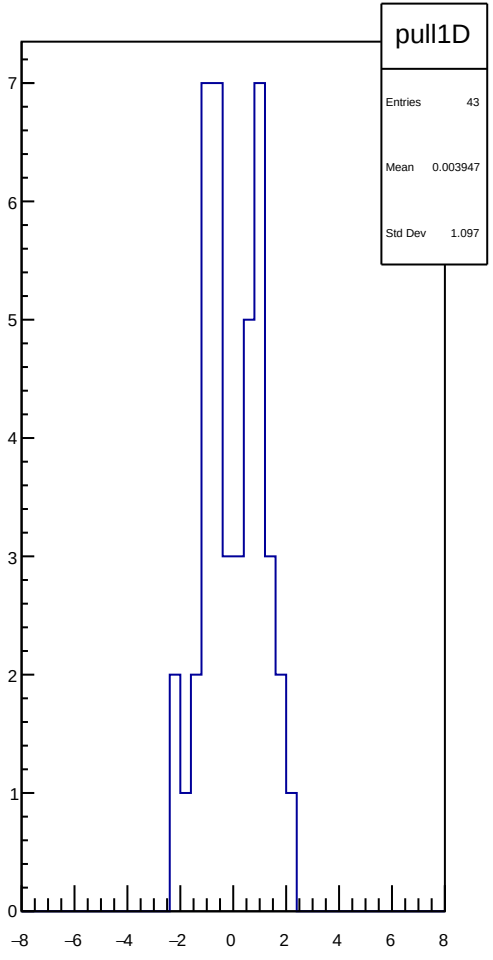

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.158e+04 / 42
p0 62.44 ± 0.06822
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

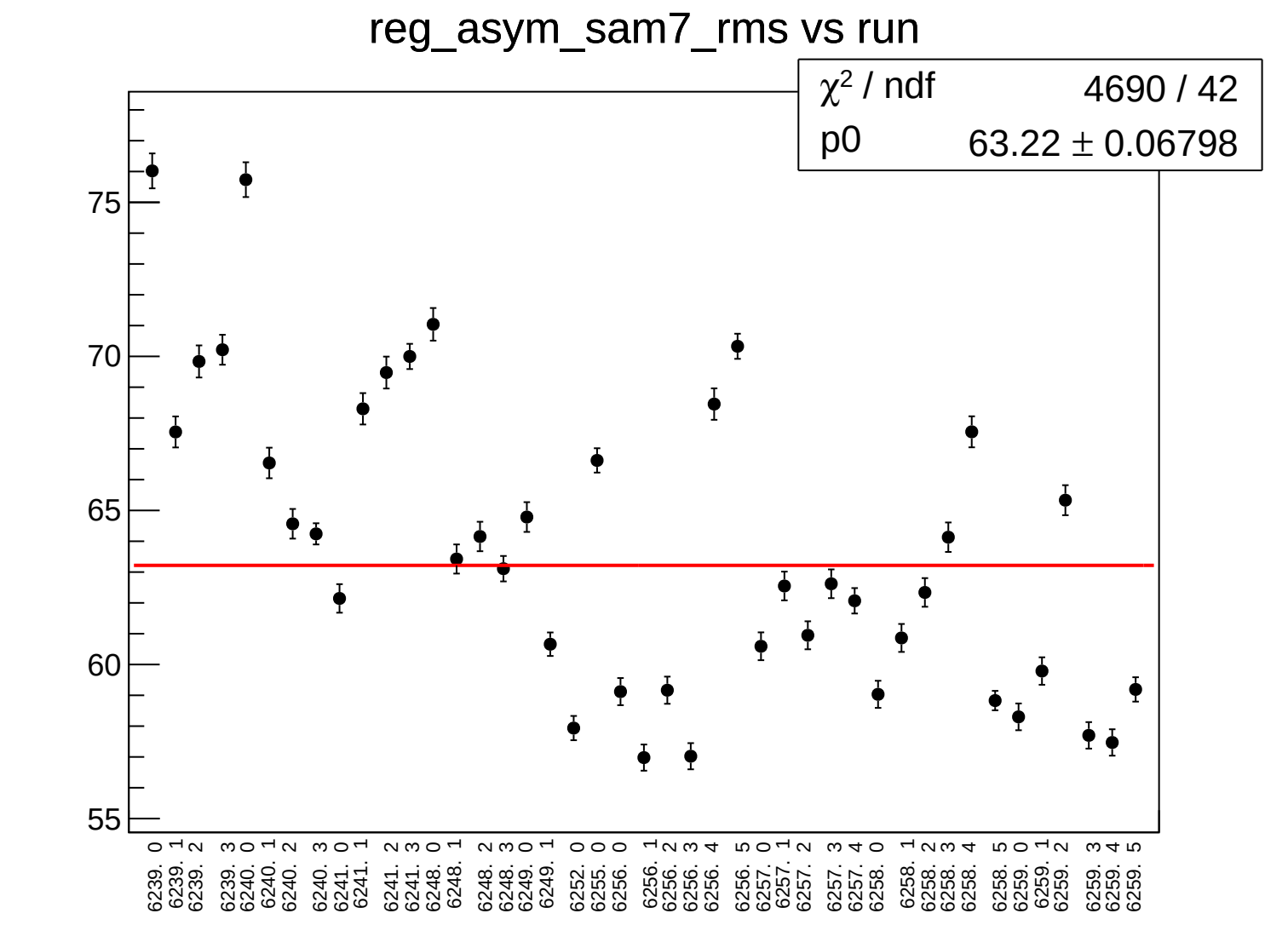

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.78 / 42
p0 6.781e−14 ± 5.737e−14
pull
Entries 43
Mean −87.61
Std Dev 0

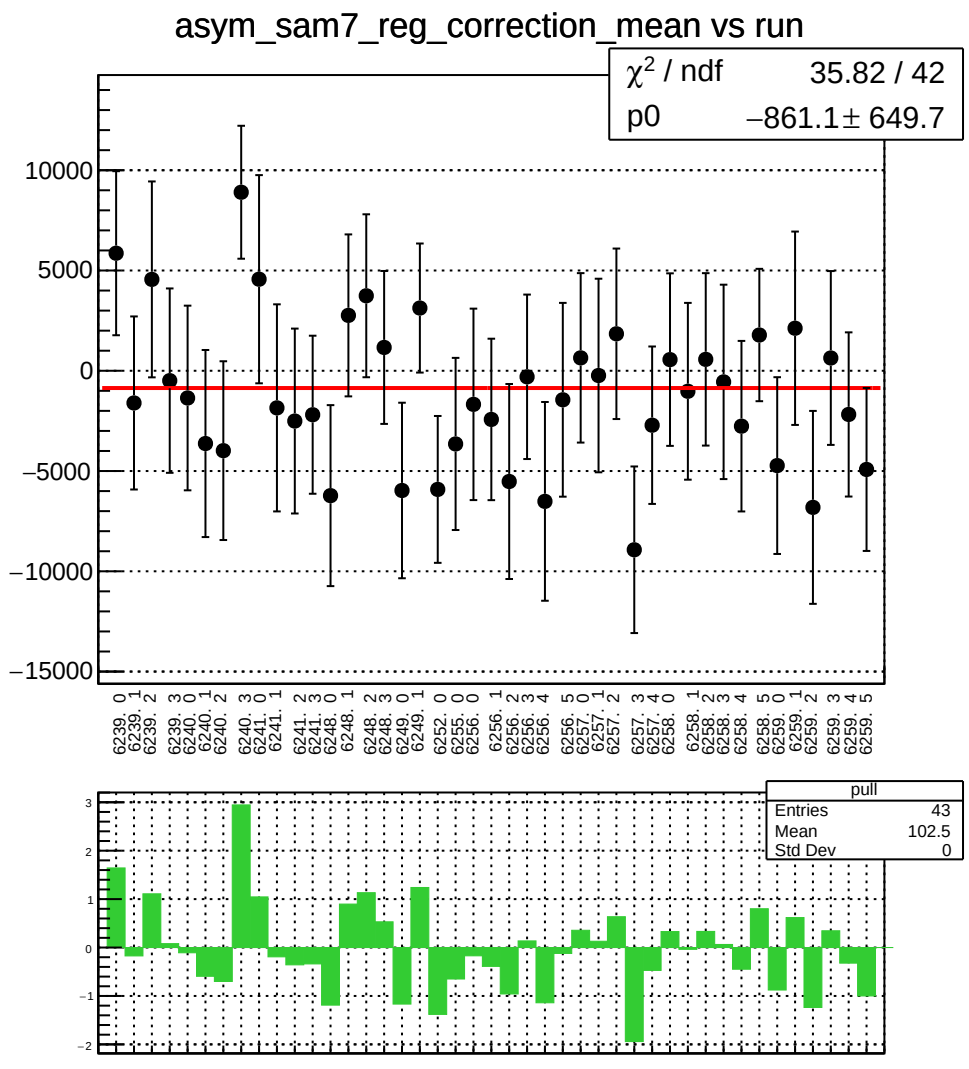

pull1D
Entries 43
Mean 0.02336
Std Dev 1.054

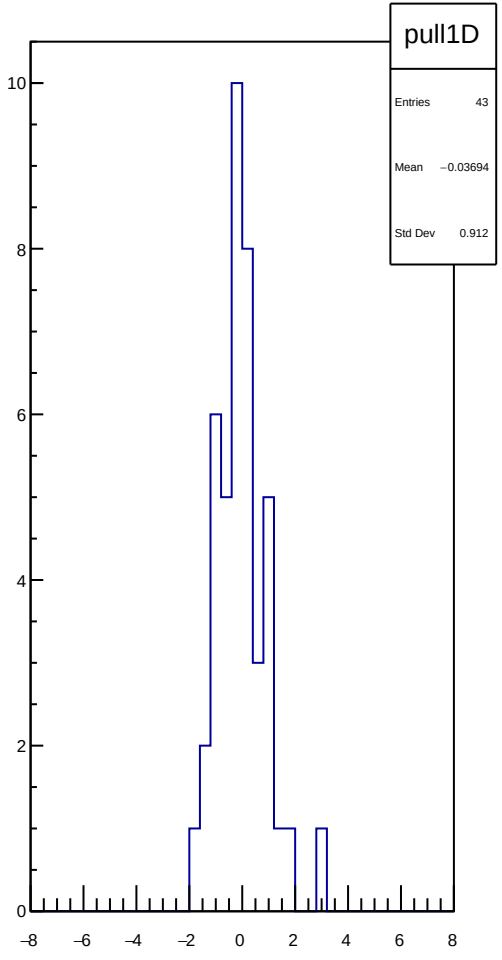

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.125e+05 / 42
p0 3.288e−11 ± 4.057e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

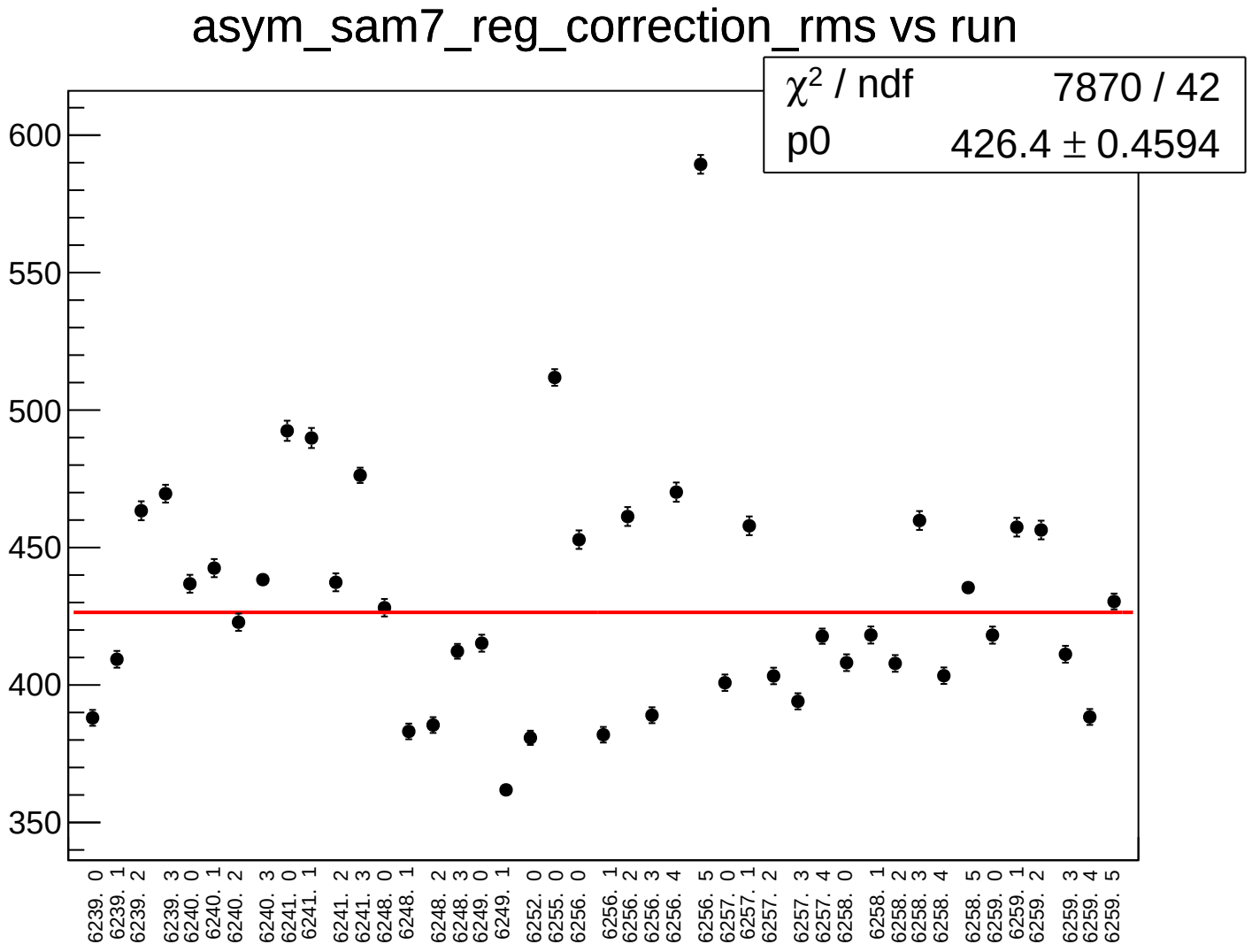

reg_asym_sam7_mean vs run
χ² / ndf 51.74 / 42
p0 17.88 ± 96.14
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.47
Std Dev 0
2
1
0
−1
−2

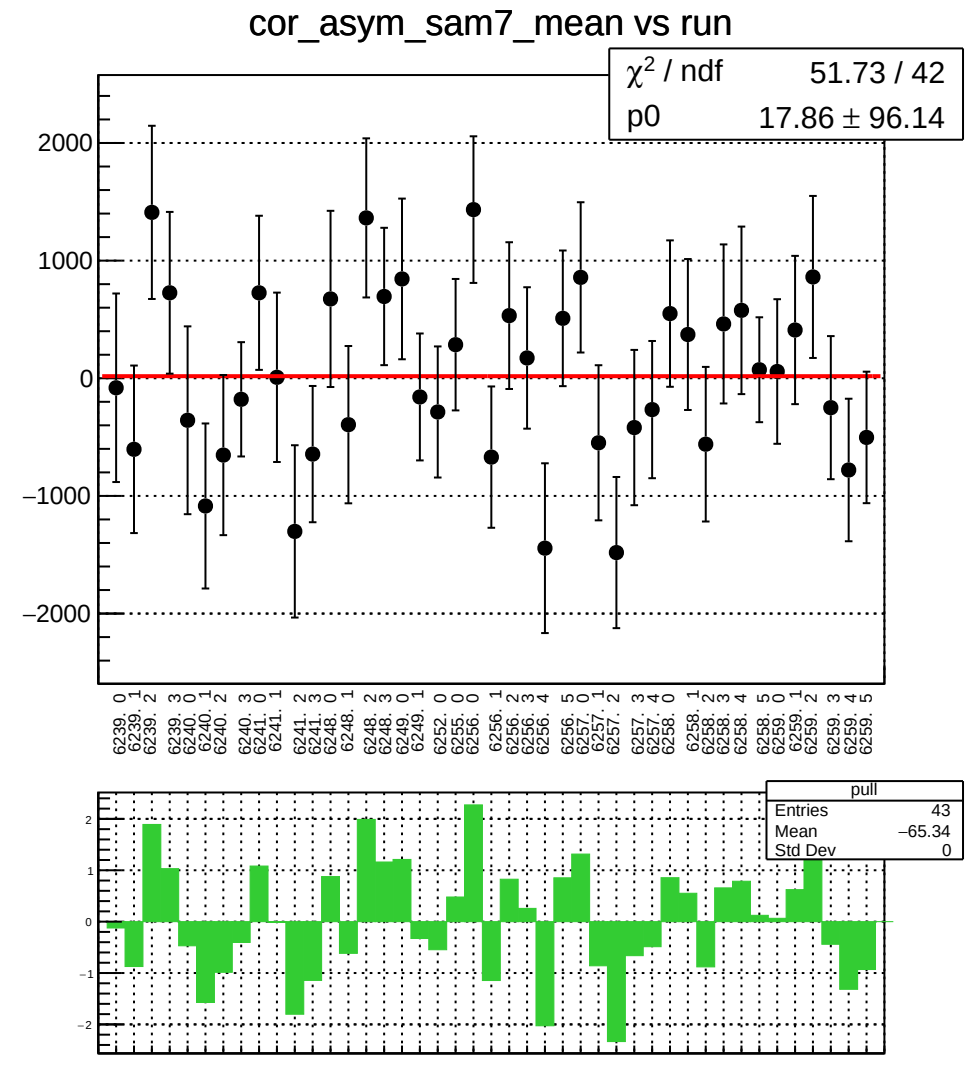

pull1D
Entries 43
Mean 0.003947
Std Dev 1.097
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

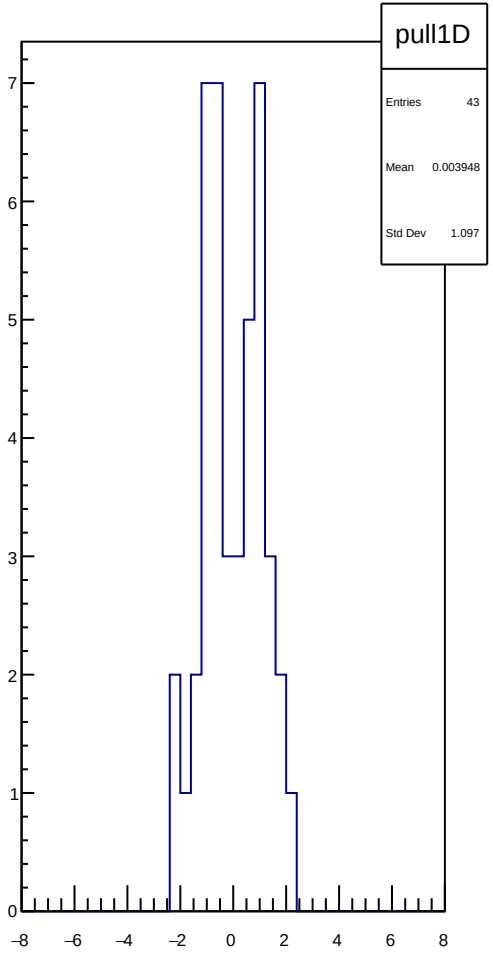

reg_asym_sam7_rms vs run
χ² / ndf 4690 / 42
p0 63.22 ± 0.06798
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

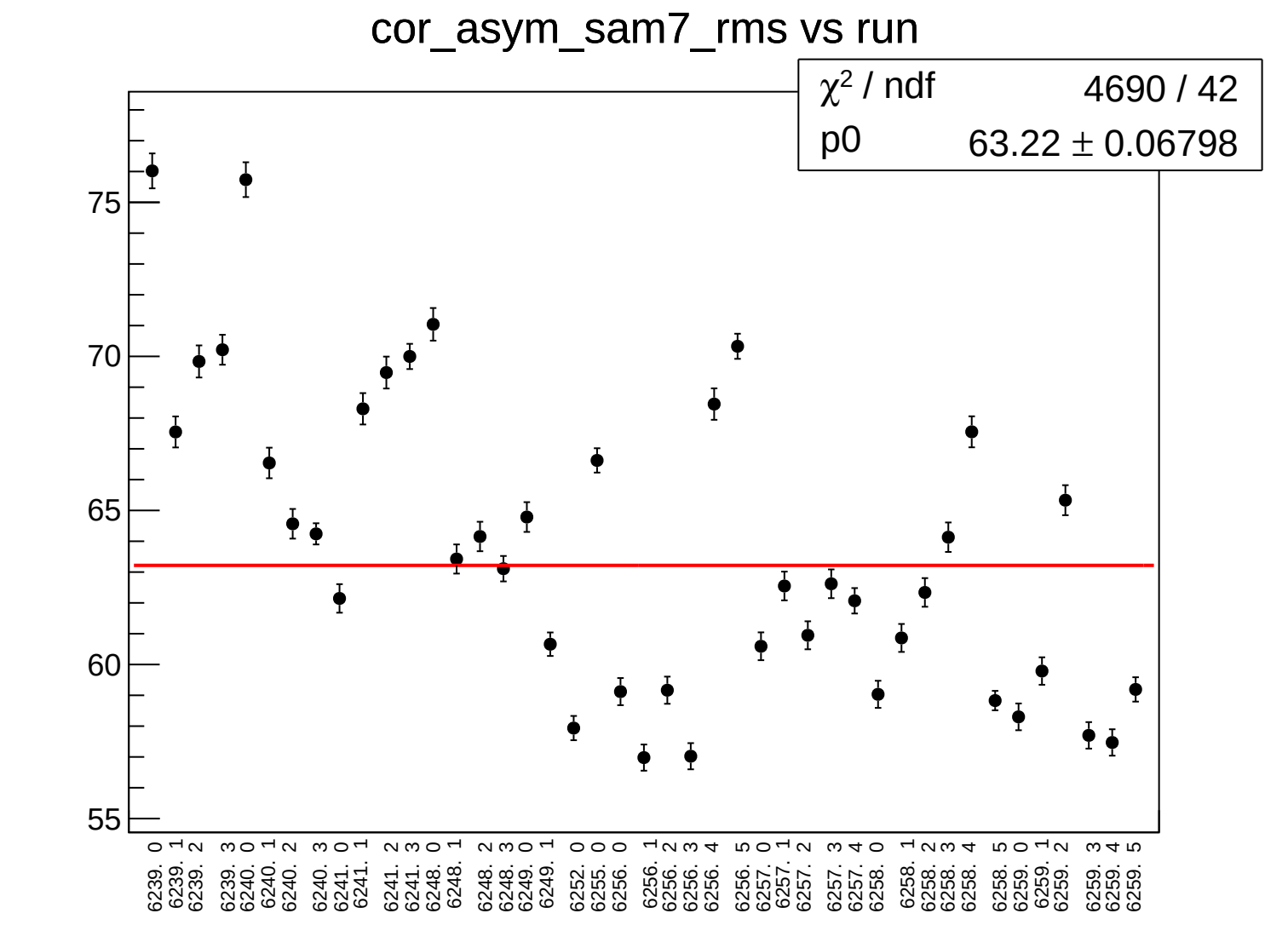

asym_sam7_reg_correction_mean vs run
χ² / ndf 35.82 / 42
p0 −861.1± 649.7
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.5
Std Dev 0
3
2
1
0
−1
−2

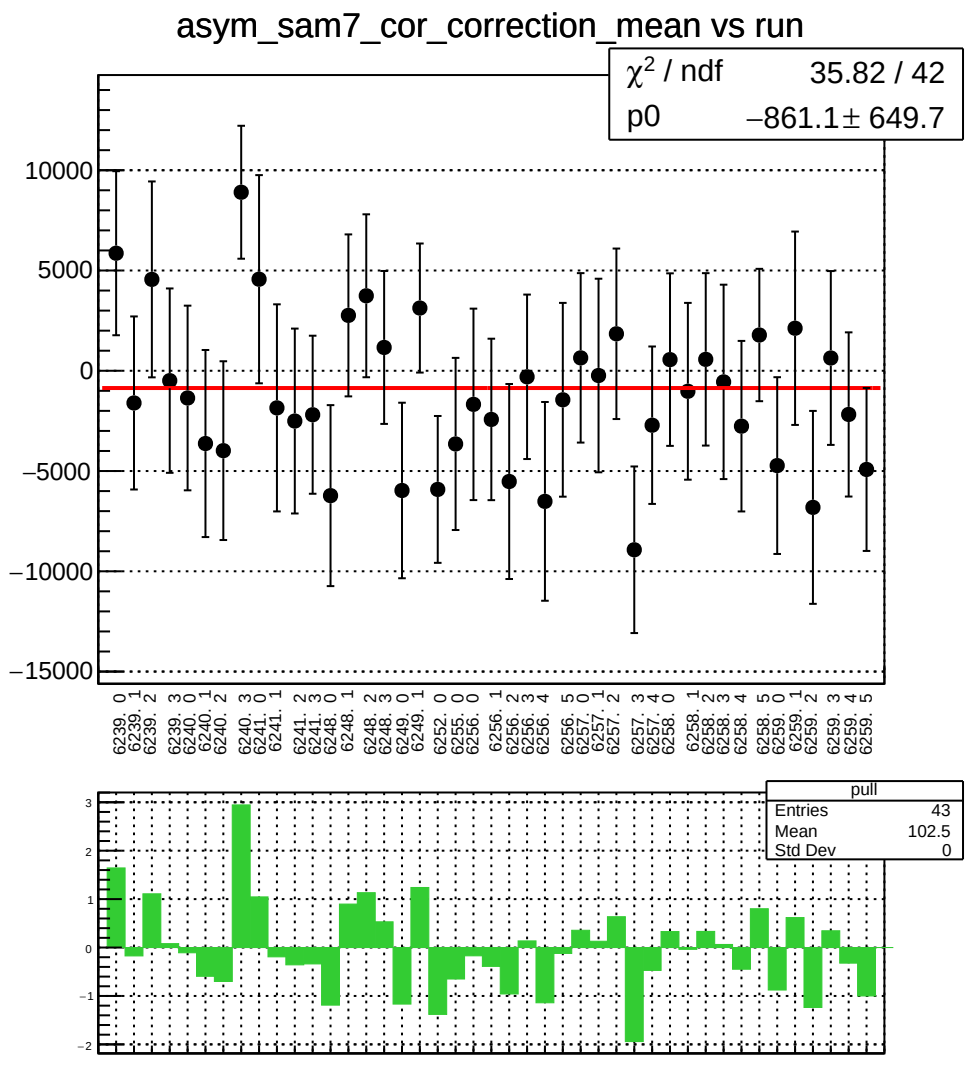

pull1D
Entries 43
Mean −0.03694
Std Dev 0.912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

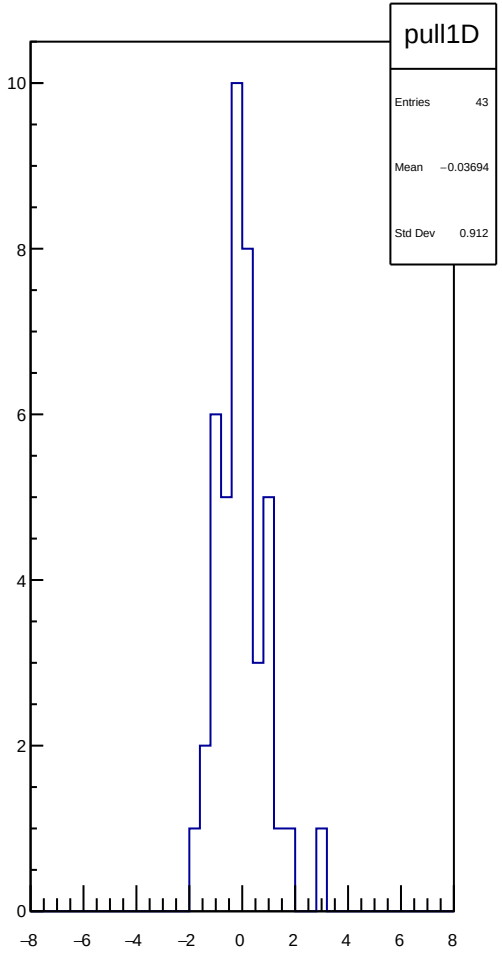

asym_sam7_reg_correction_rms vs run
χ² / ndf 7870 / 42
p0 426.4 ± 0.4594
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

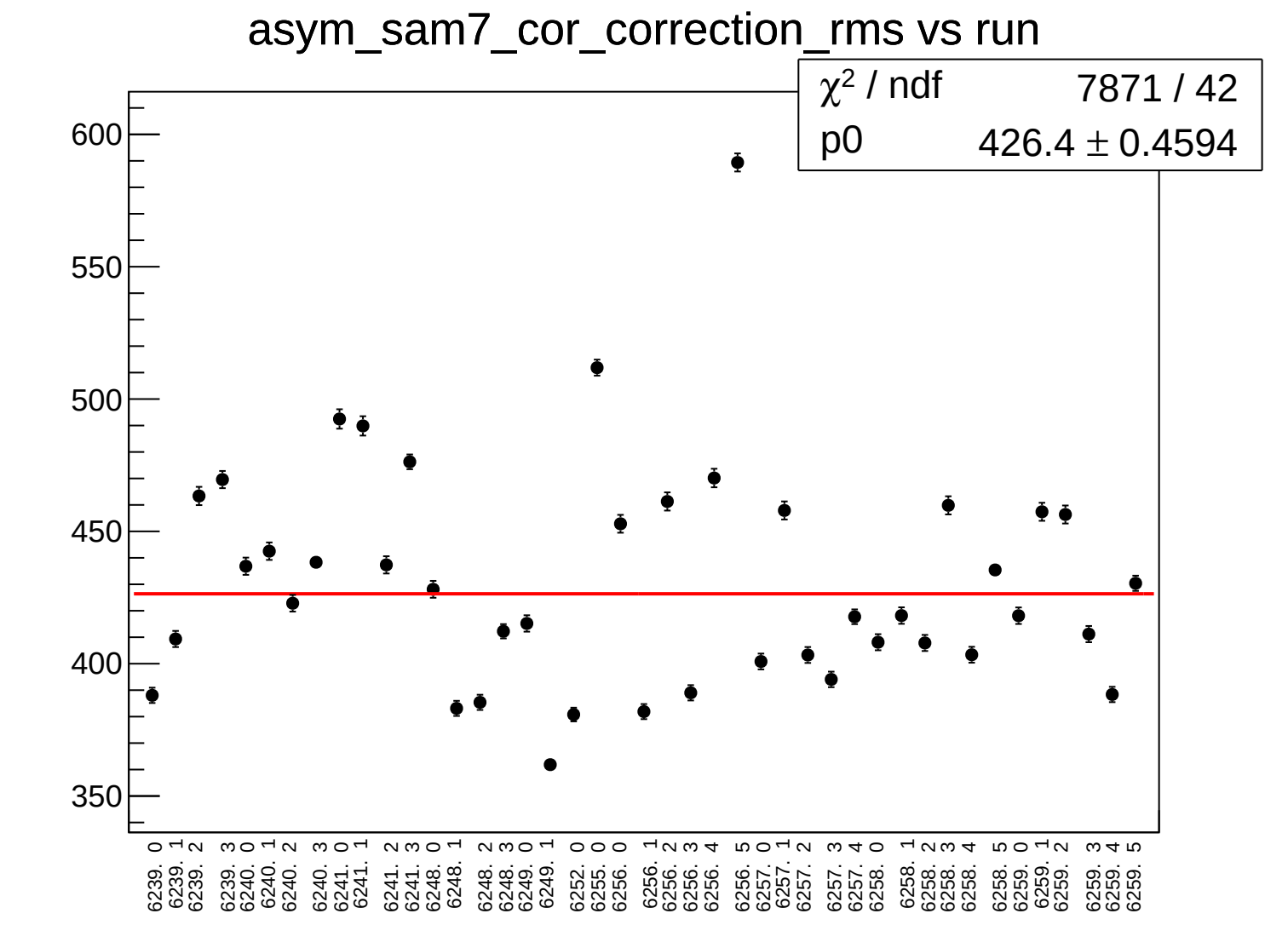

cor_asym_sam7_mean vs run
χ² / ndf 51.73 / 42
p0 17.86 ± 96.14
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.34
Std Dev 0
2
1
0
−1
−2

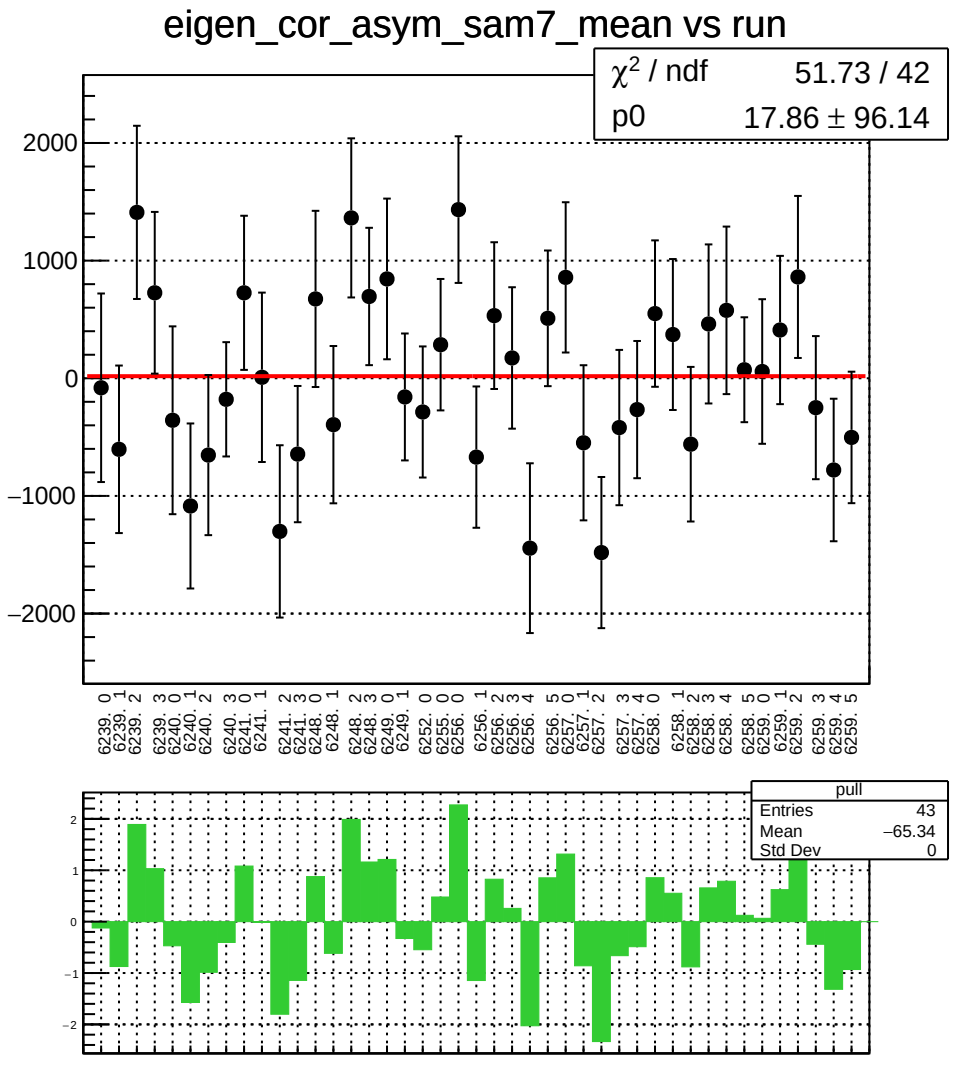

pull1D
Entries 43
Mean 0.003948
Std Dev 1.097
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

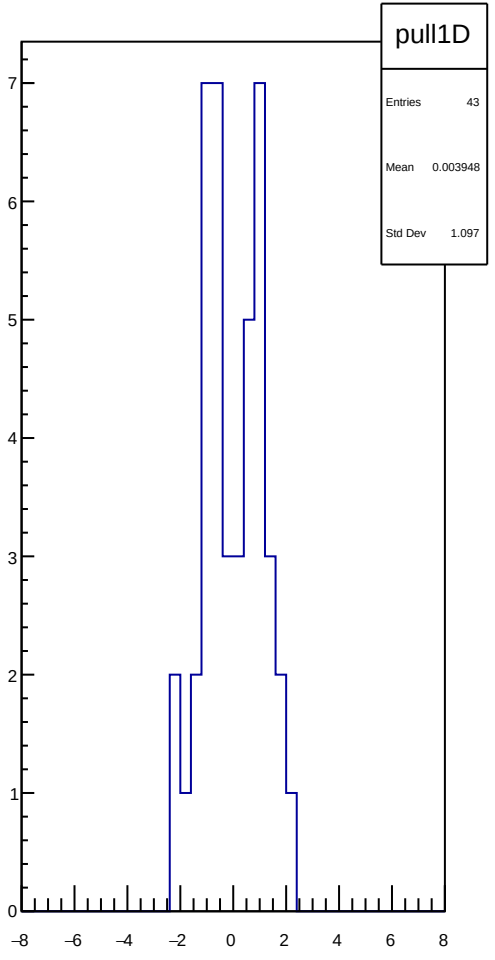

cor_asym_sam7_rms vs run
χ² / ndf 4690 / 42
p0 63.22 ± 0.06798
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

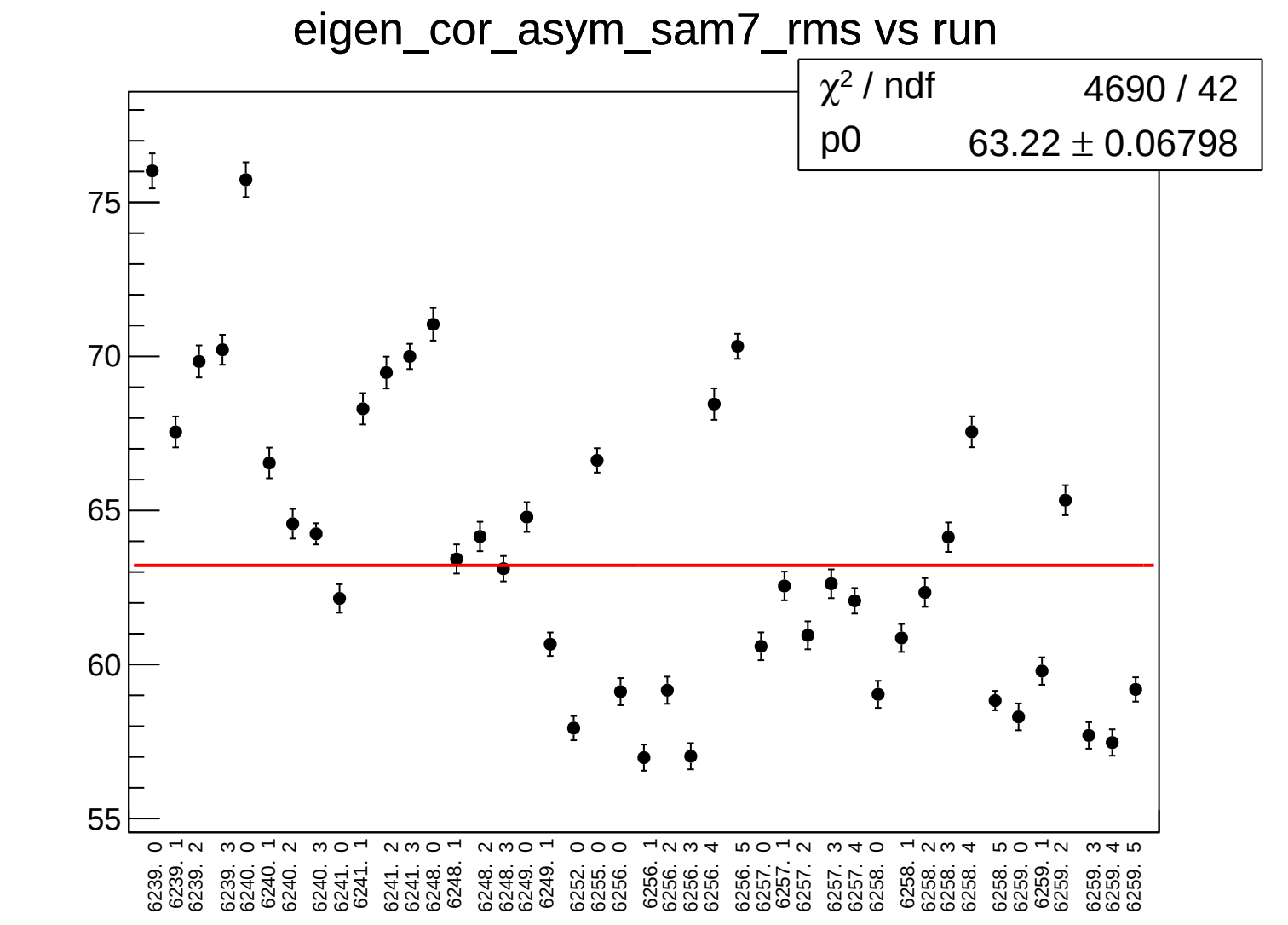

asym_sam7_cor_correction_mean vs run
χ² / ndf 35.82 / 42
p0 −861.1 ± 649.7
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.5
Std Dev 0
3
2
1
0
−1
−2

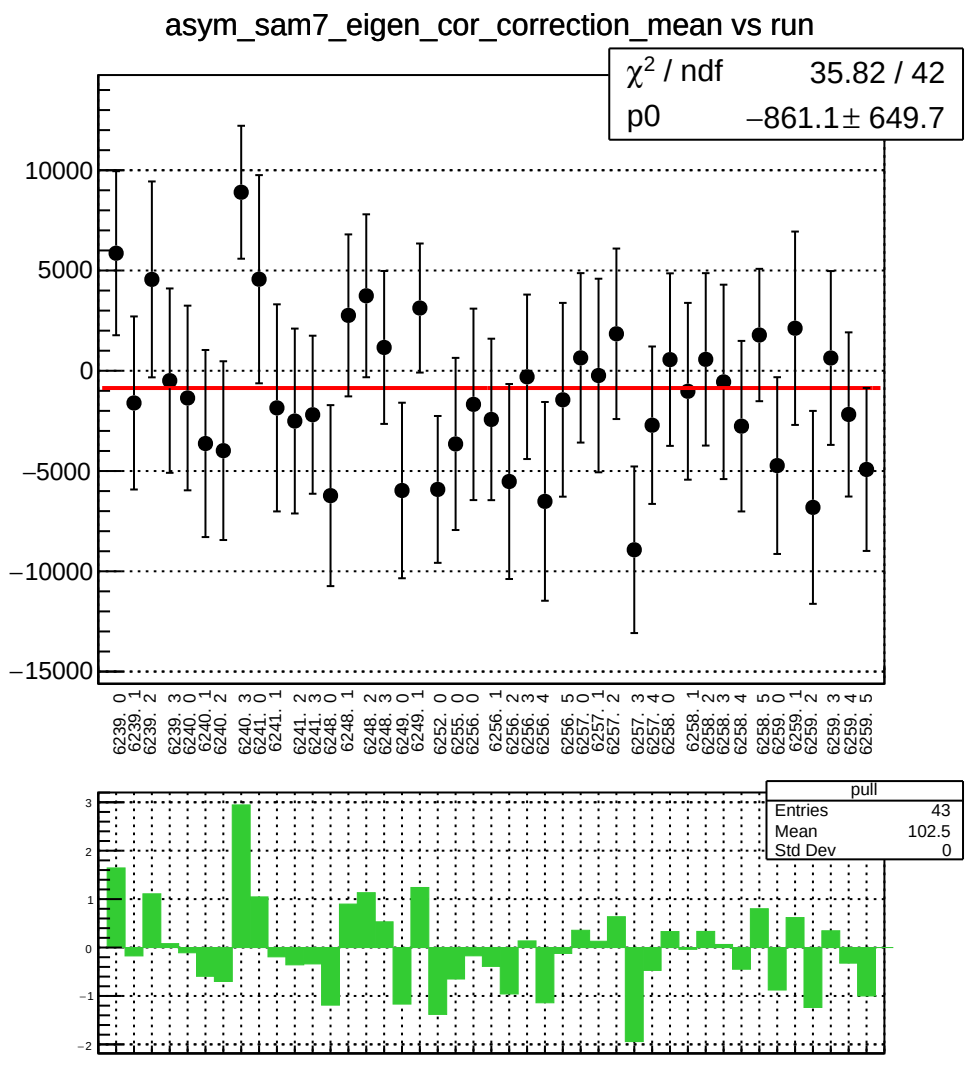

pull1D
Entries 43
Mean −0.03694
Std Dev 0.912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

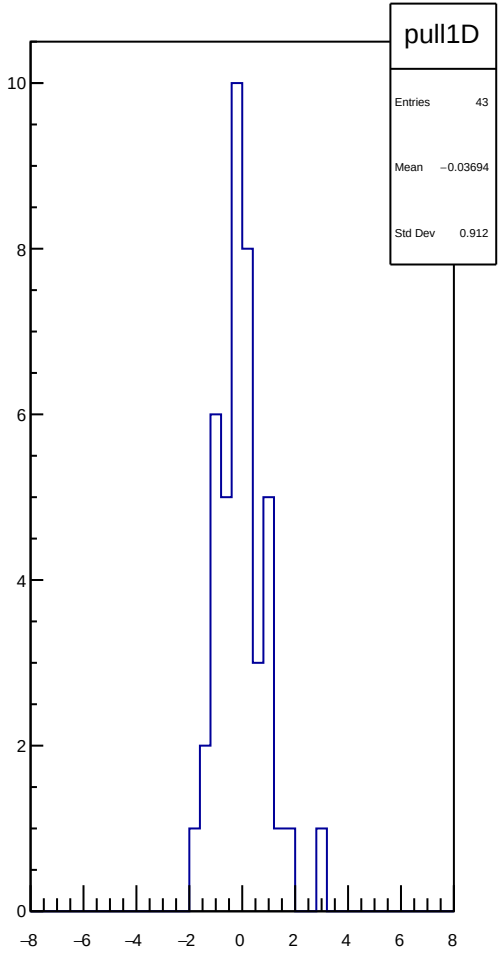

asym_sam7_cor_correction_rms vs run
χ² / ndf 7871 / 42
p0 426.4 ± 0.4594
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

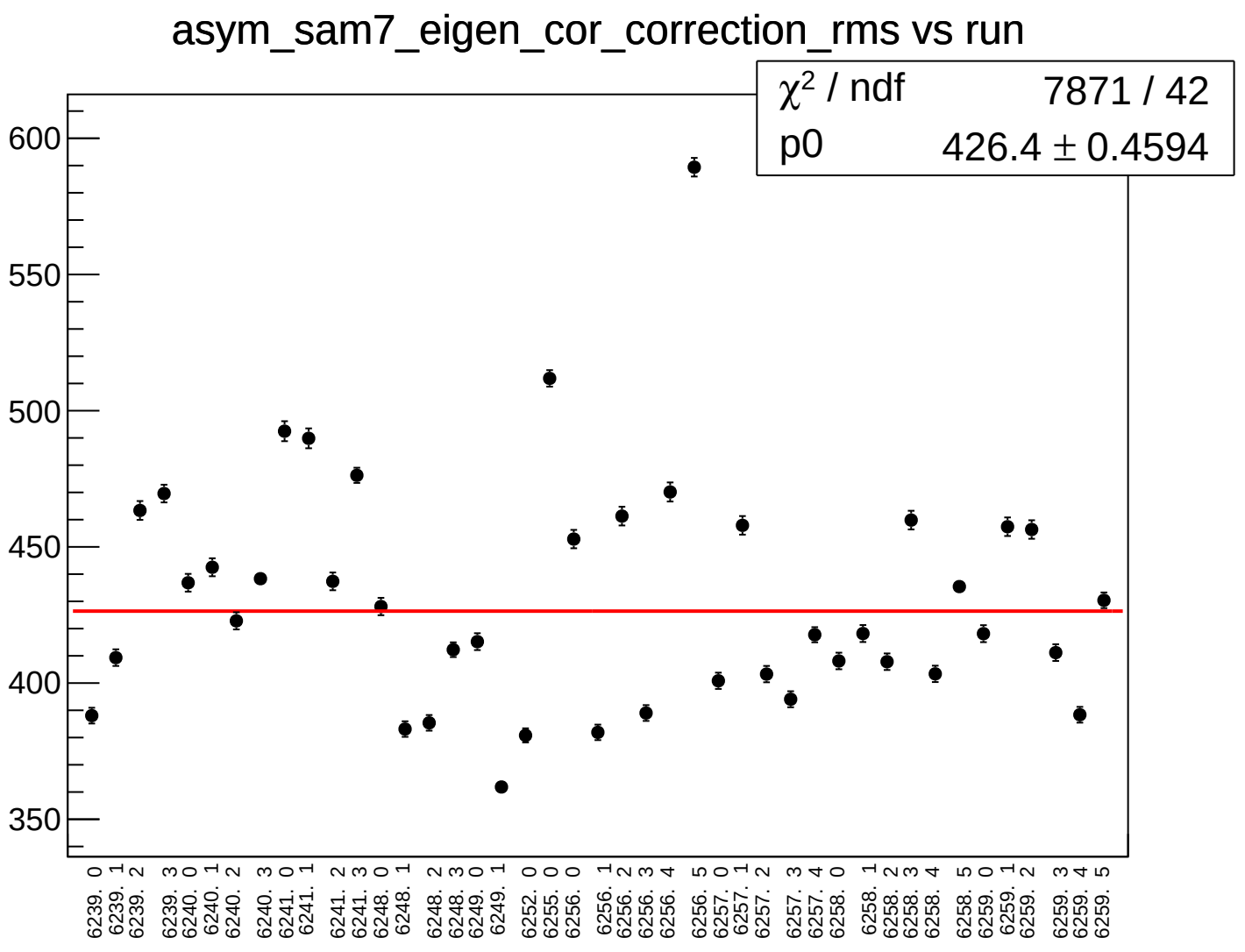

eigen_cor_asym_sam7_mean vs run
χ² / ndf 51.73 / 42
p0 17.86 ± 96.14
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −65.34
Std Dev 0
2
1
0
−1
−2

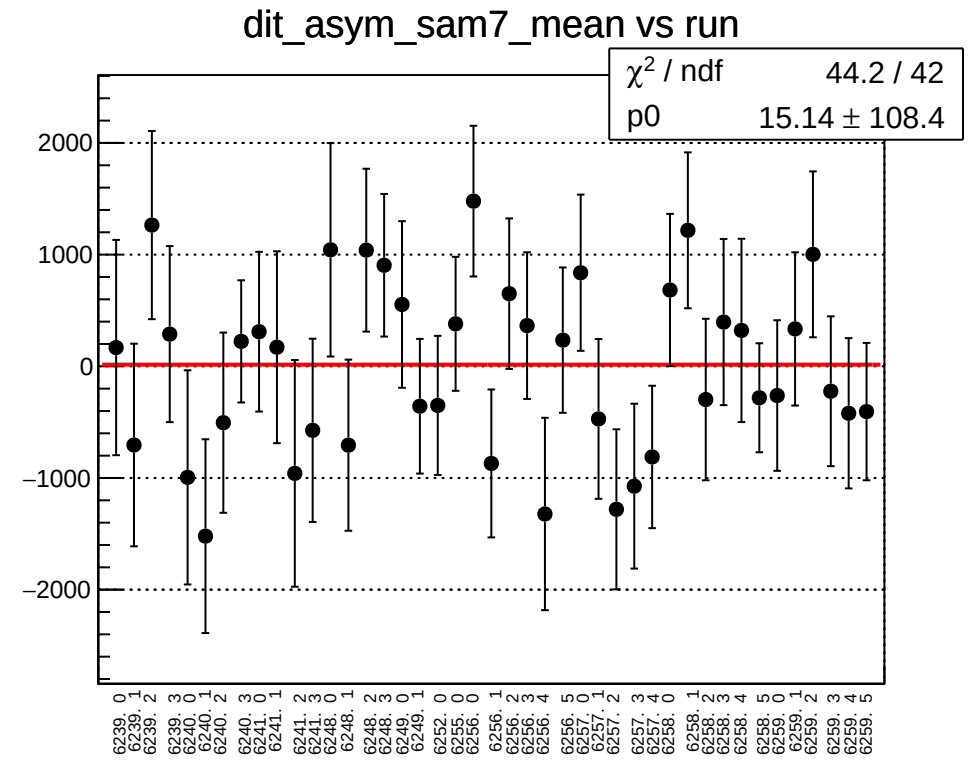

pull1D
Entries 43
Mean 0.003948
Std Dev 1.097
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

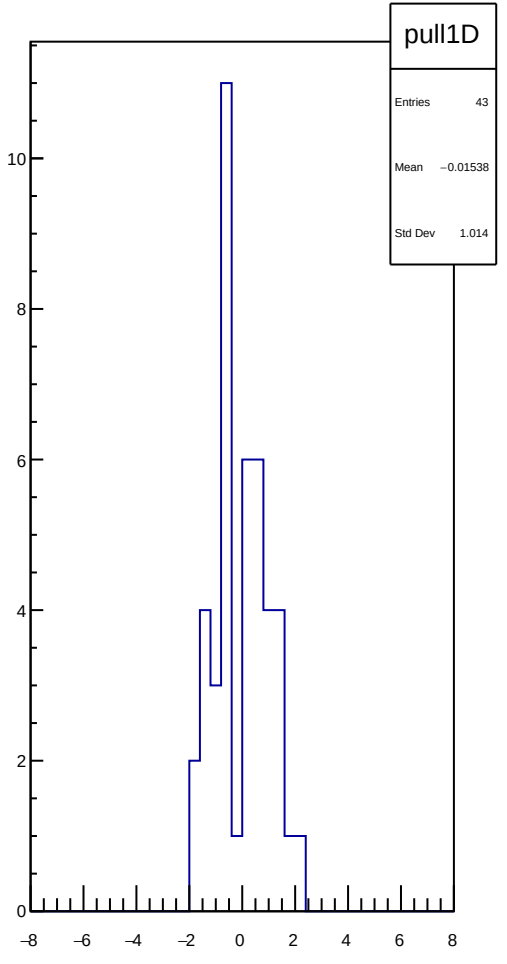

eigen_cor_asym_sam7_rms vs run
χ² / ndf 4690 / 42
p0 63.22 ± 0.06798
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

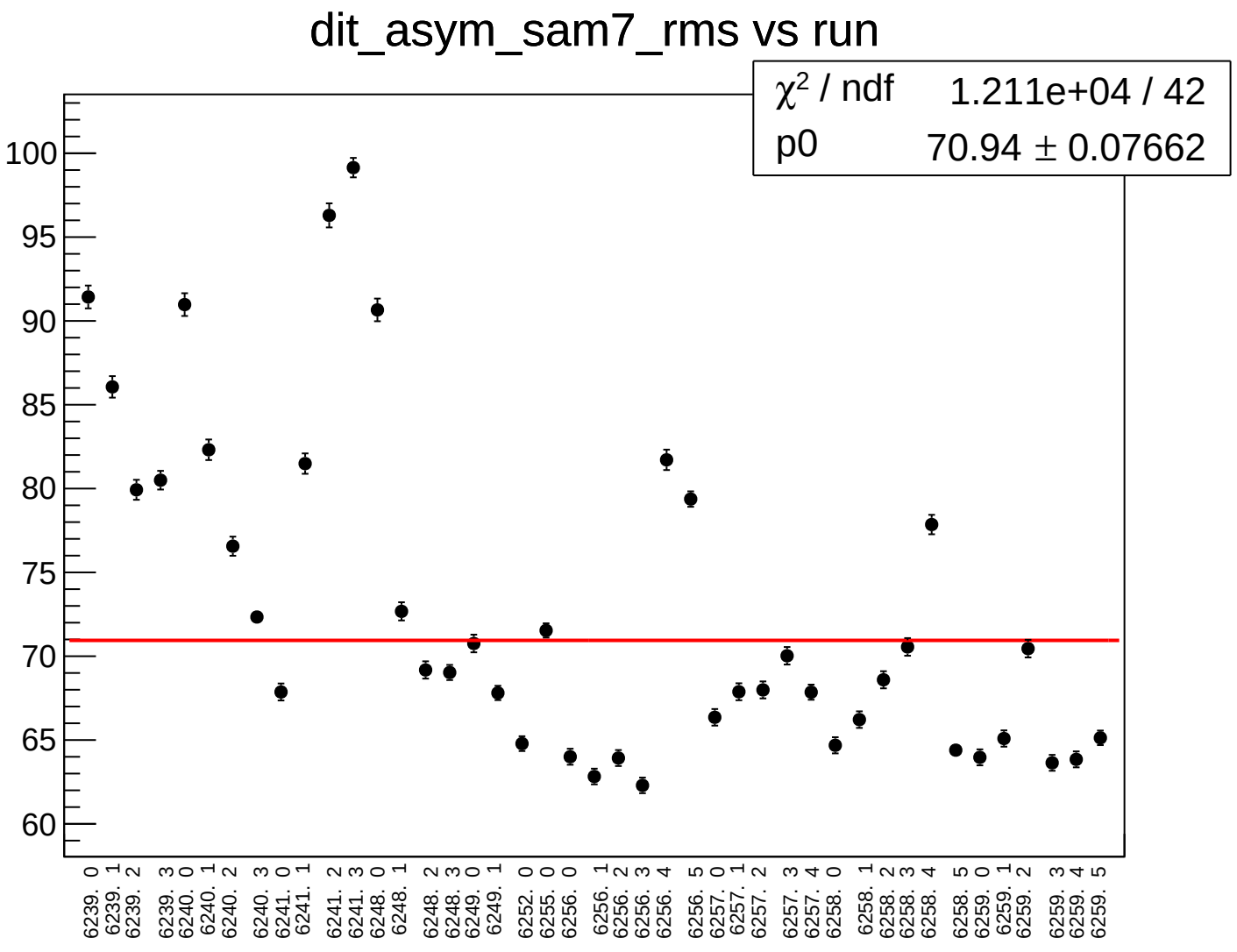

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 35.82 / 42
p0 −861.1 ± 649.7
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.5
Std Dev 0
3
2
1
0
−1
−2

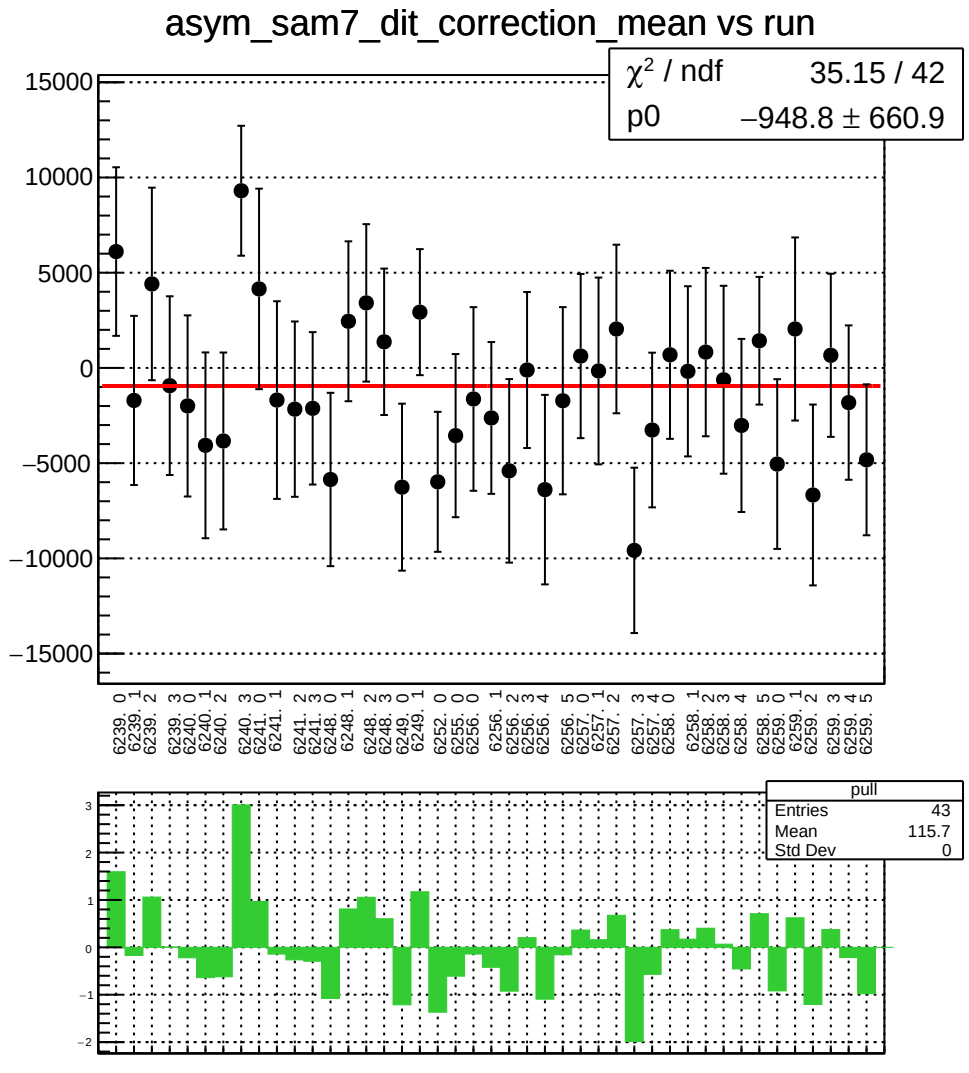

pull1D
Entries 43
Mean −0.03694
Std Dev 0.912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

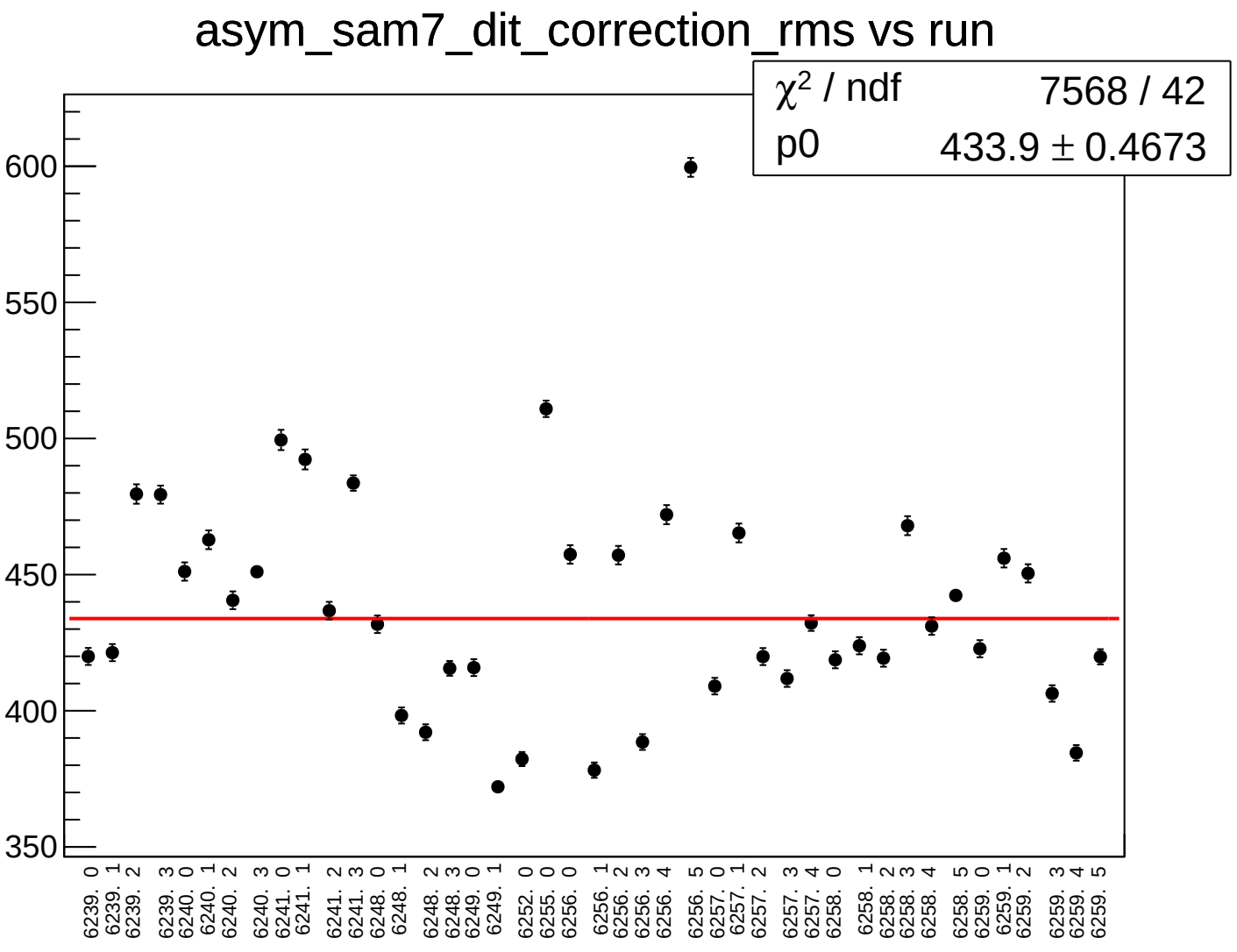

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 7871 / 42
p0 426.4 ± 0.4594
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

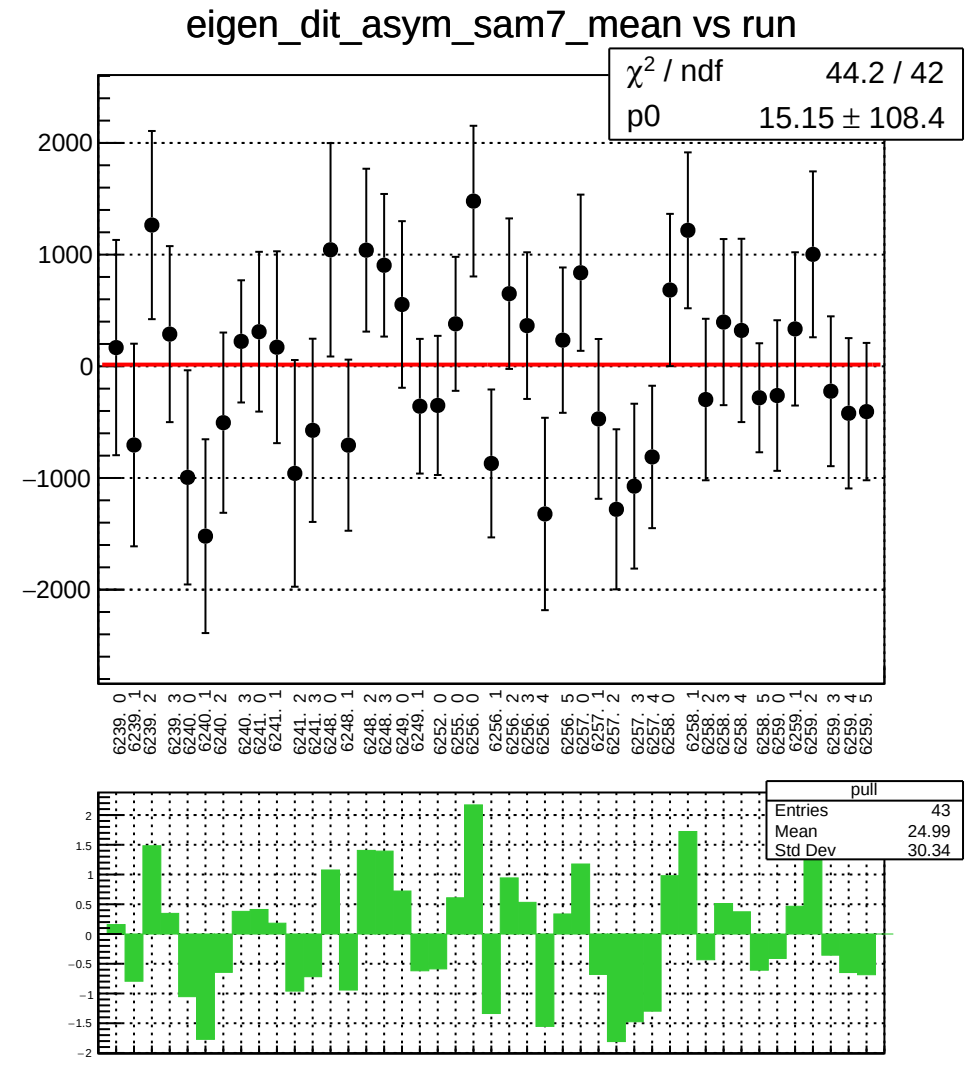

dit_asym_sam7_mean vs run
$\chi^2$ / ndf 44.2 / 42
p0 15.14 ± 108.4
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 25
Std Dev 30.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

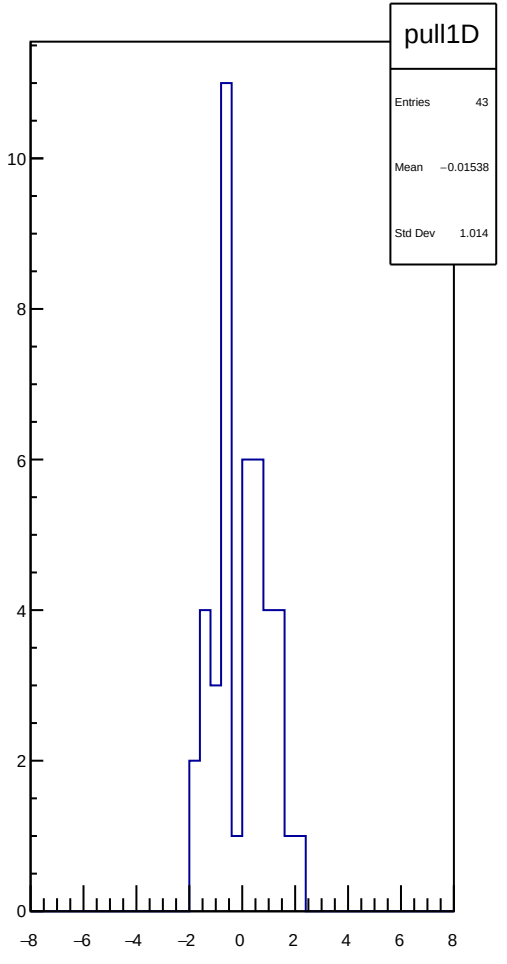

pull1D
Entries 43
Mean −0.01538
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

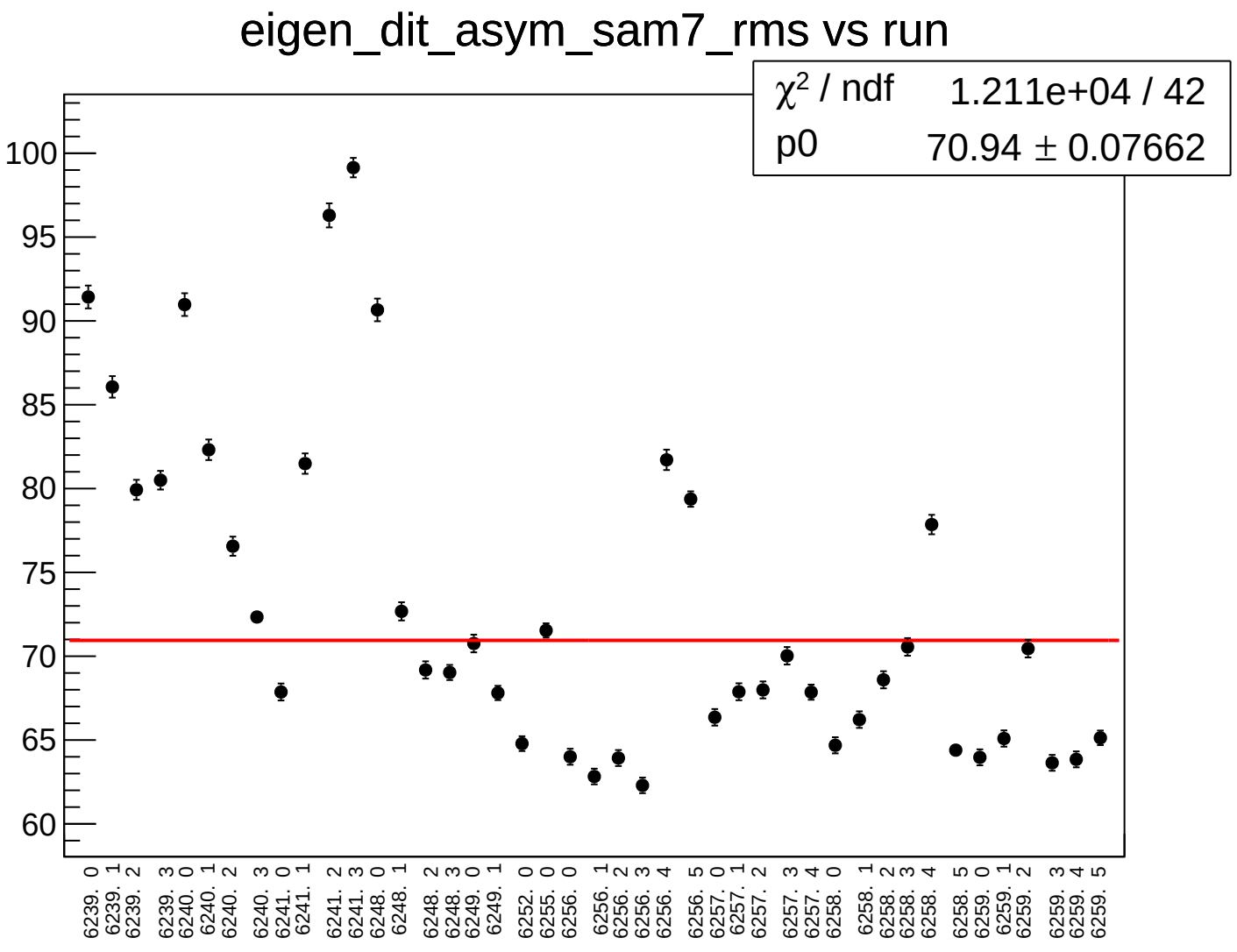

dit_asym_sam7_rms vs run
χ² / ndf 1.211e+04 / 42
p0 70.94 ± 0.07662
100
95
90
85
80
75
70
65
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

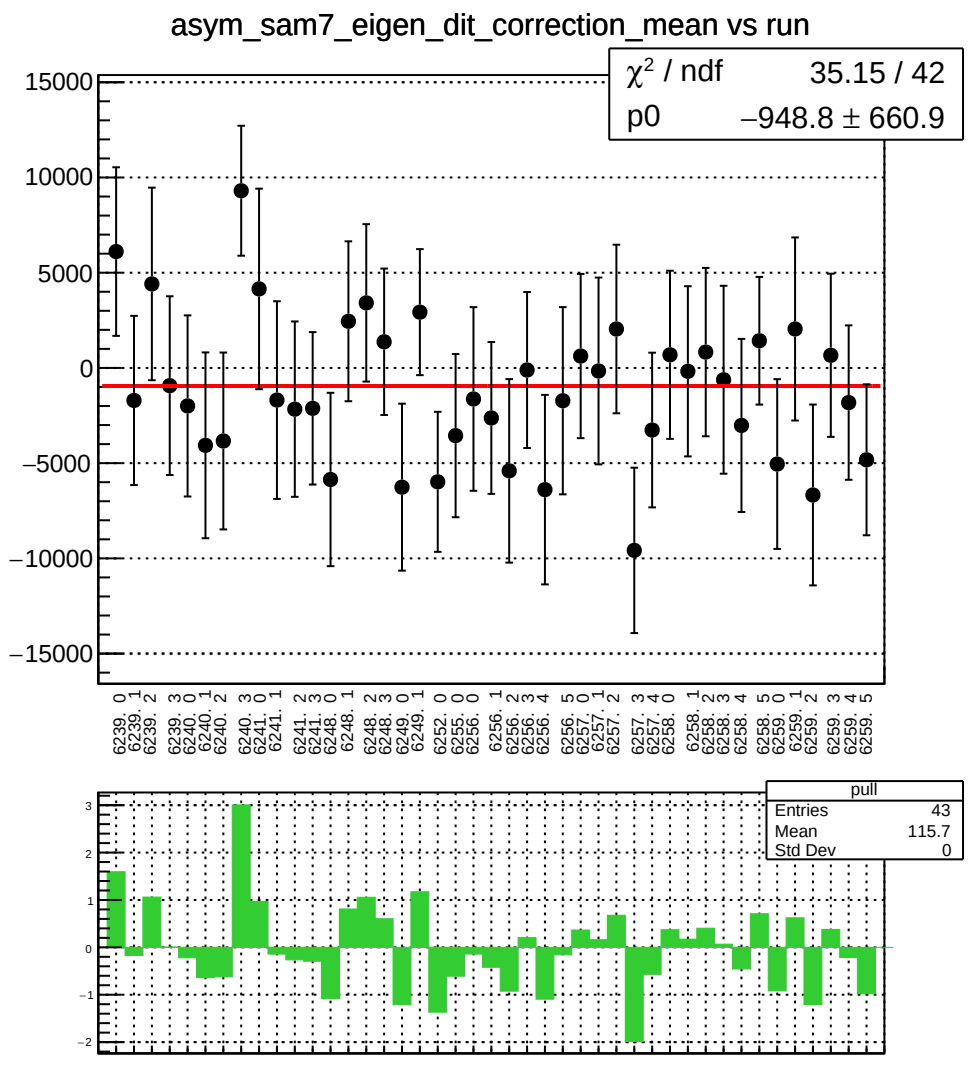

asym_sam7_dit_correction_mean vs run
χ² / ndf 35.15 / 42
p0 −948.8 ± 660.9
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 115.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02984
Std Dev 0.9037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

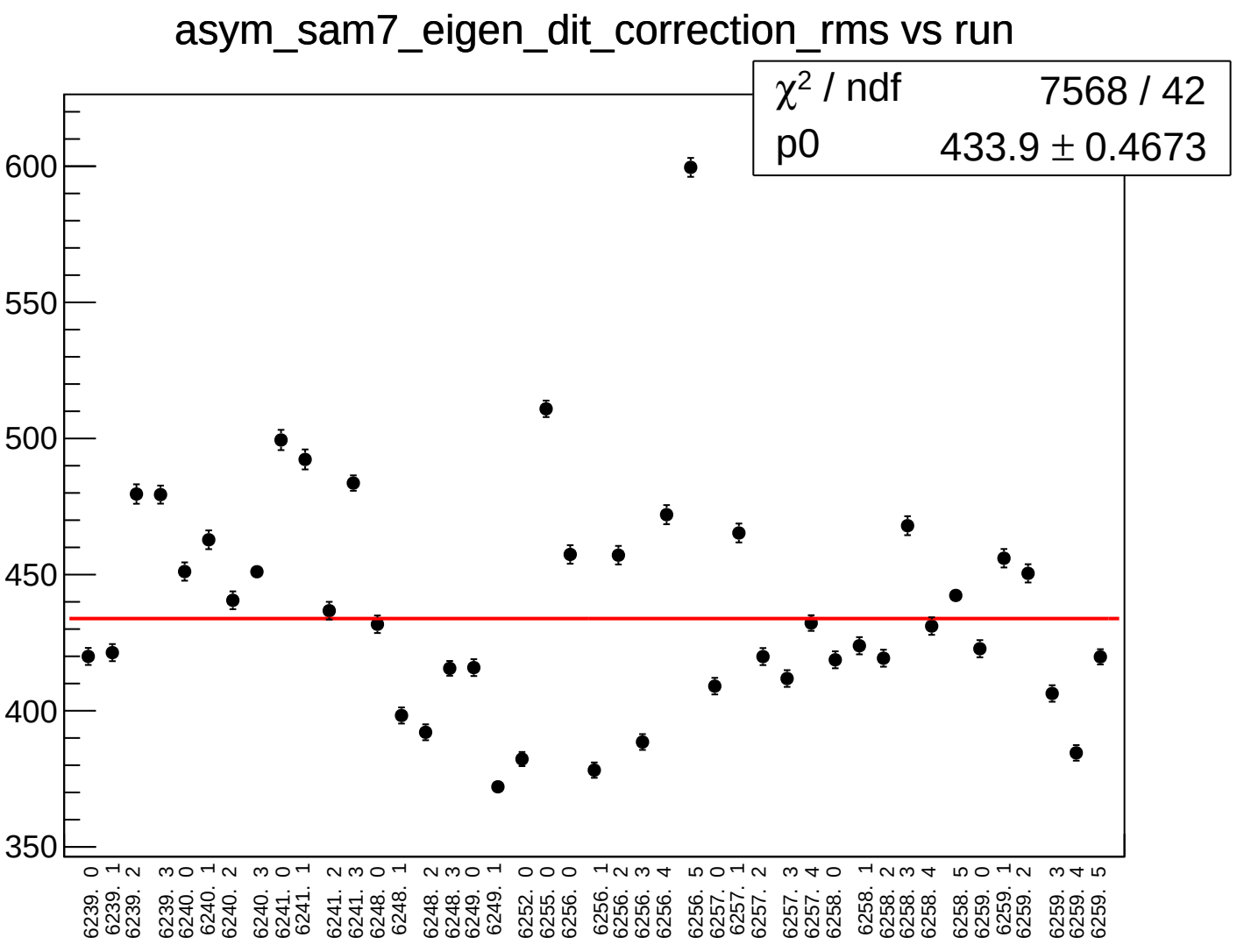

asym_sam7_dit_correction_rms vs run
χ² / ndf 7568 / 42
p0 433.9 ± 0.4673
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

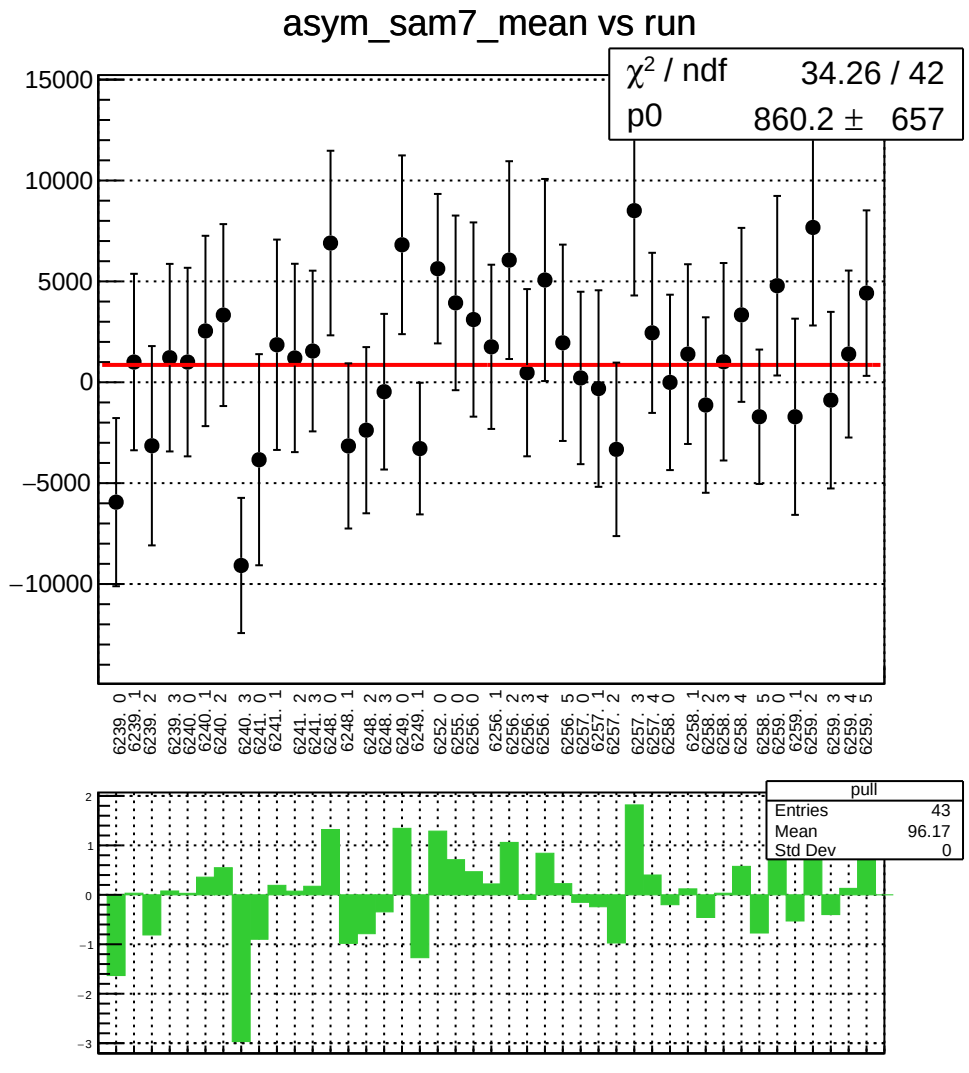

eigen_dit_asym_sam7_mean vs run
χ² / ndf 44.2 / 42
p0 15.15 ± 108.4
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 24.99
Std Dev 30.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

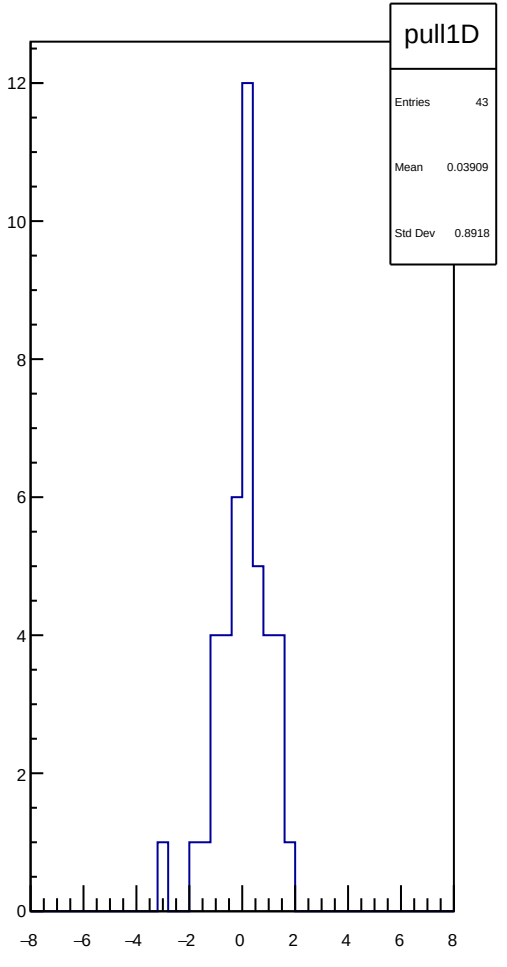

pull1D
Entries 43
Mean −0.01538
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

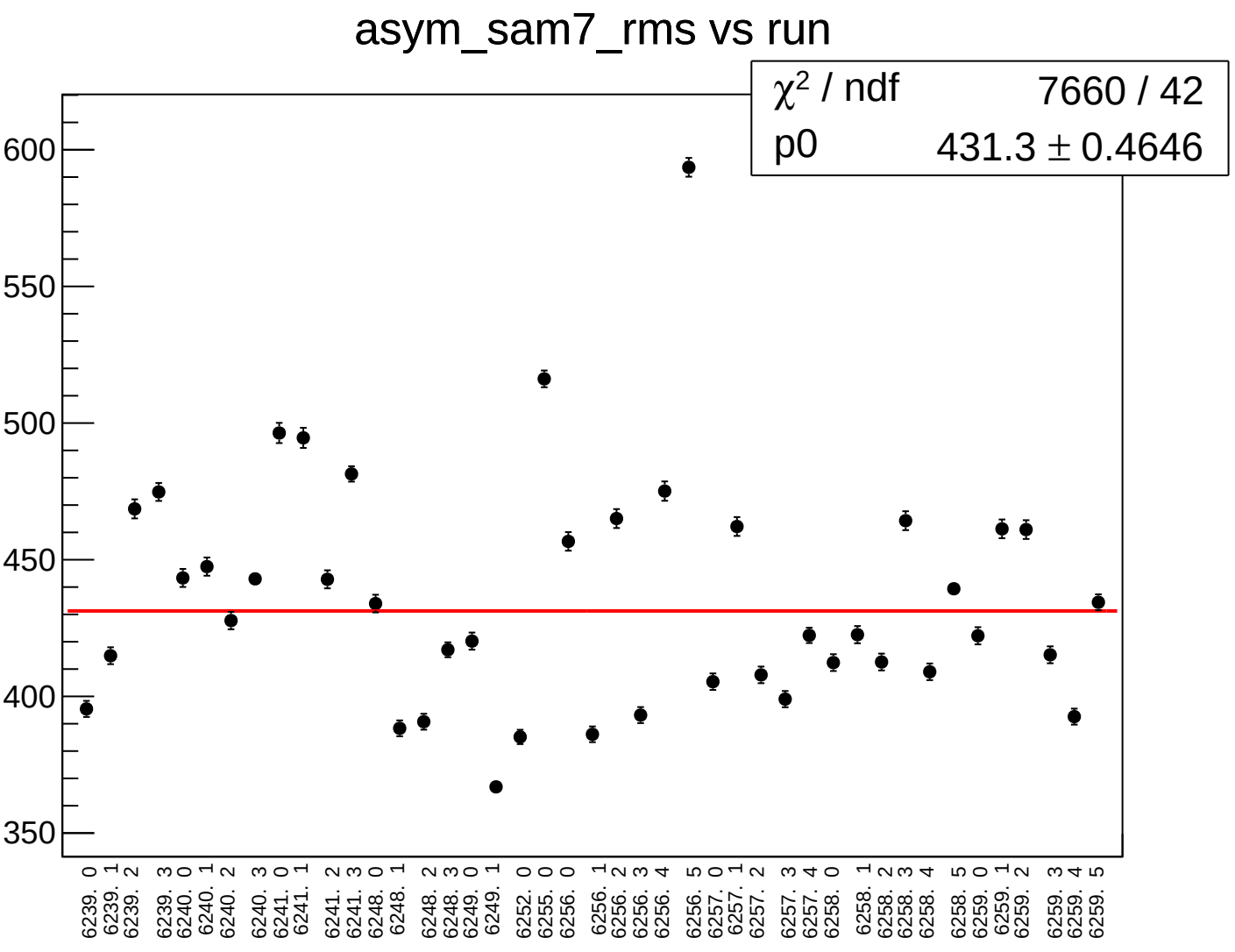

eigen_dit_asym_sam7_rms vs run
χ² / ndf 1.211e+04 / 42
p0 70.94 ± 0.07662
100
95
90
85
80
75
70
65
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

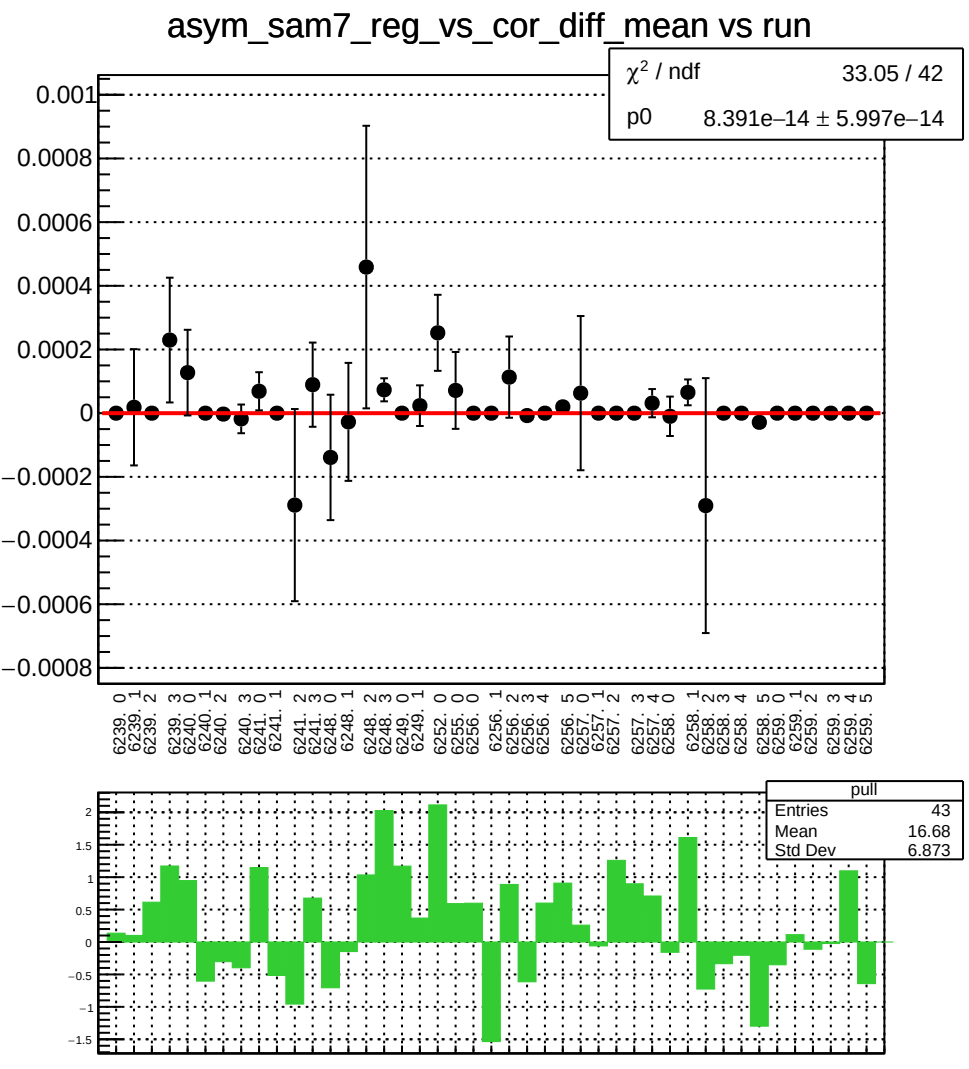

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 35.15 / 42
p0 −948.8 ± 660.9
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 115.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02984
Std Dev 0.9037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

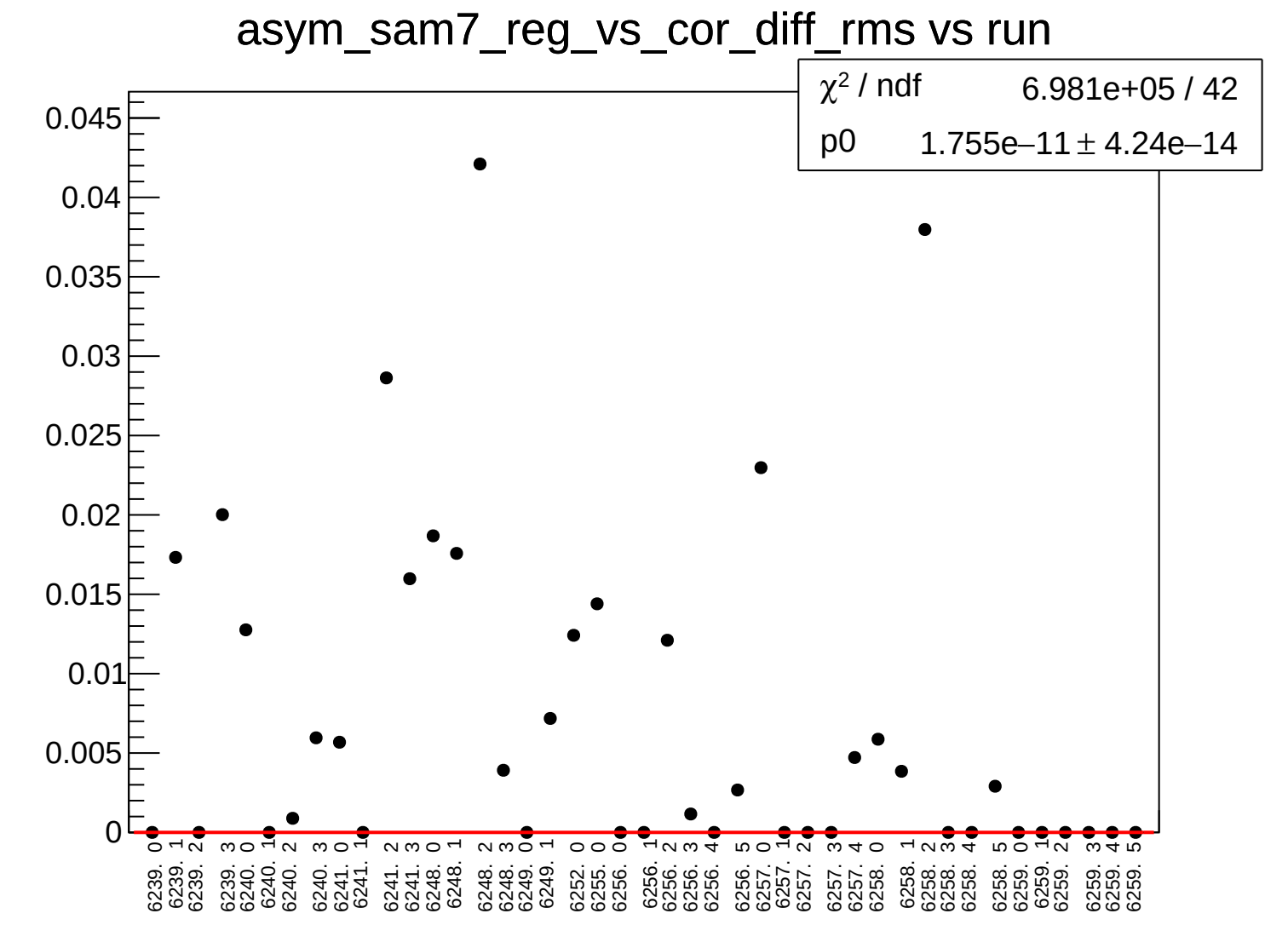

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 7568 / 42
p0 433.9 ± 0.4673
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

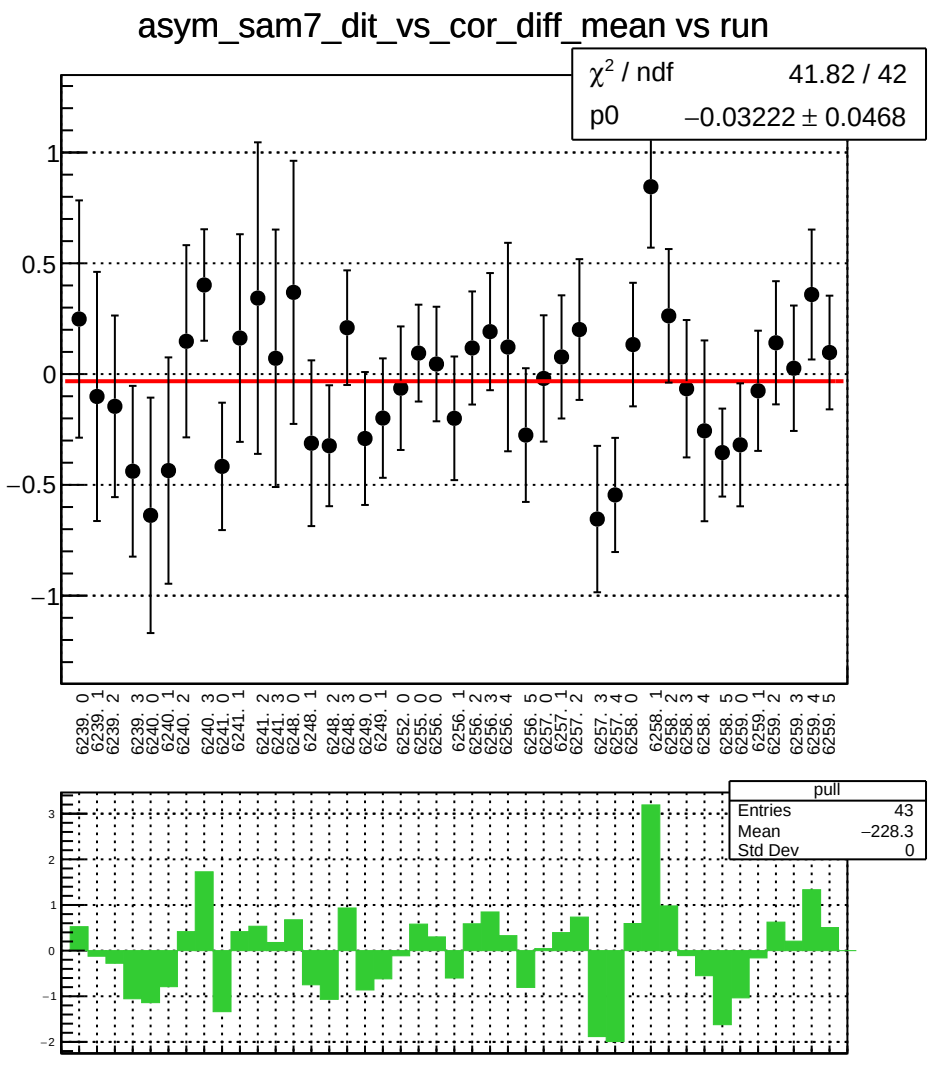

asym_sam7_mean vs run
χ² / ndf 34.26 / 42
p0 860.2 ± 657
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 96.17
Std Dev 0
2
1
0
−1
−2
−3

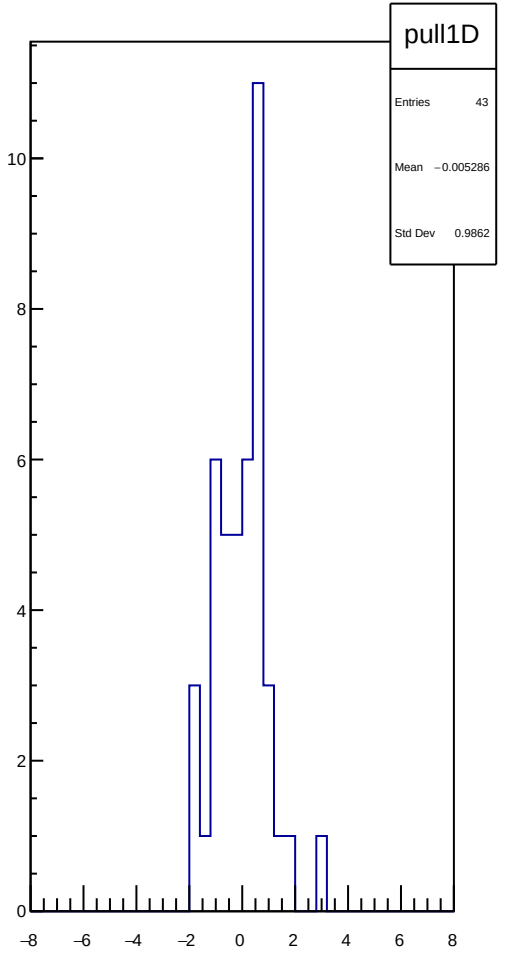

pull1D
Entries 43
Mean 0.03909
Std Dev 0.8918
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

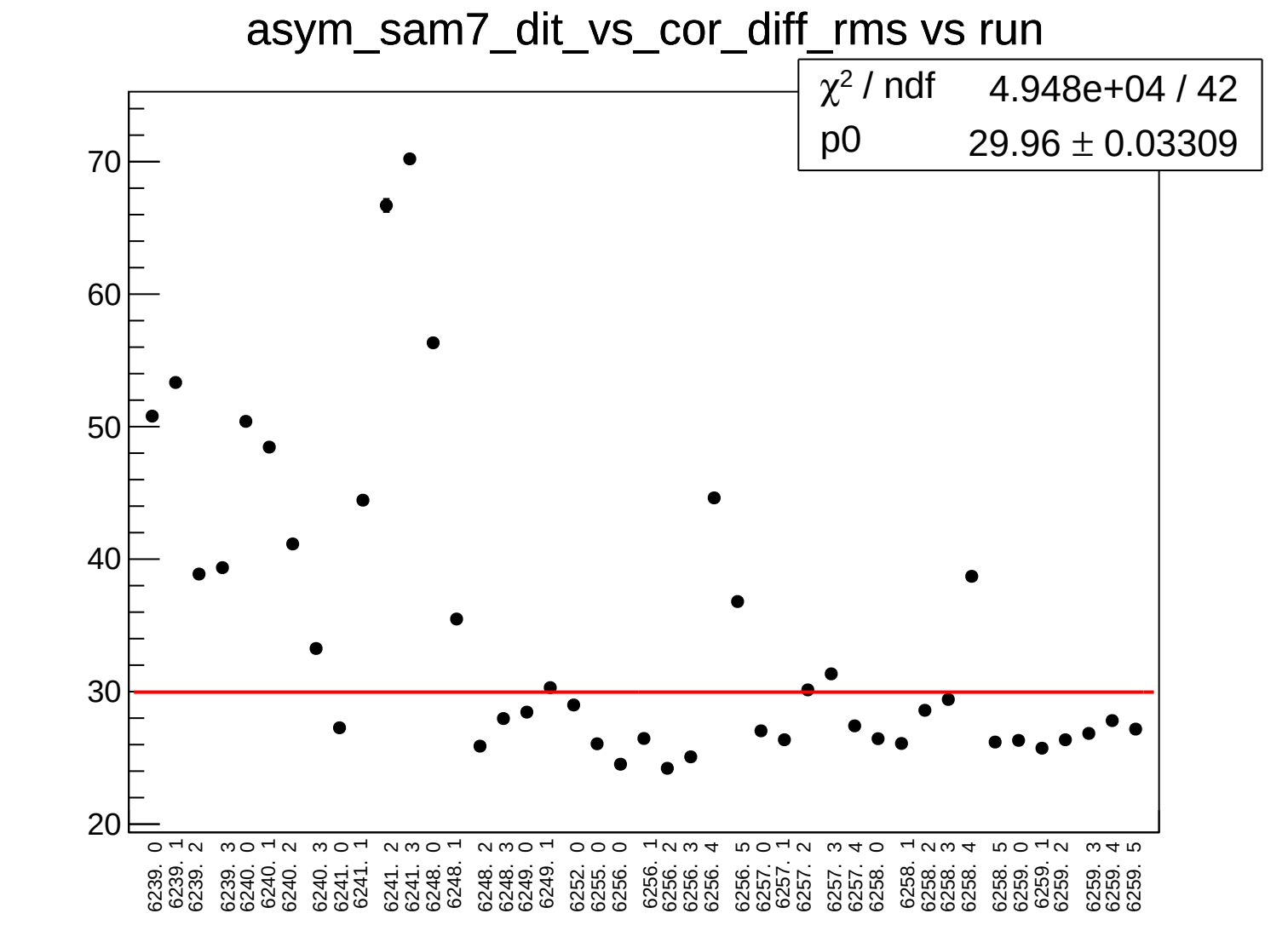

asym_sam7_rms vs run
χ² / ndf 7660 / 42
p0 431.3 ± 0.4646
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

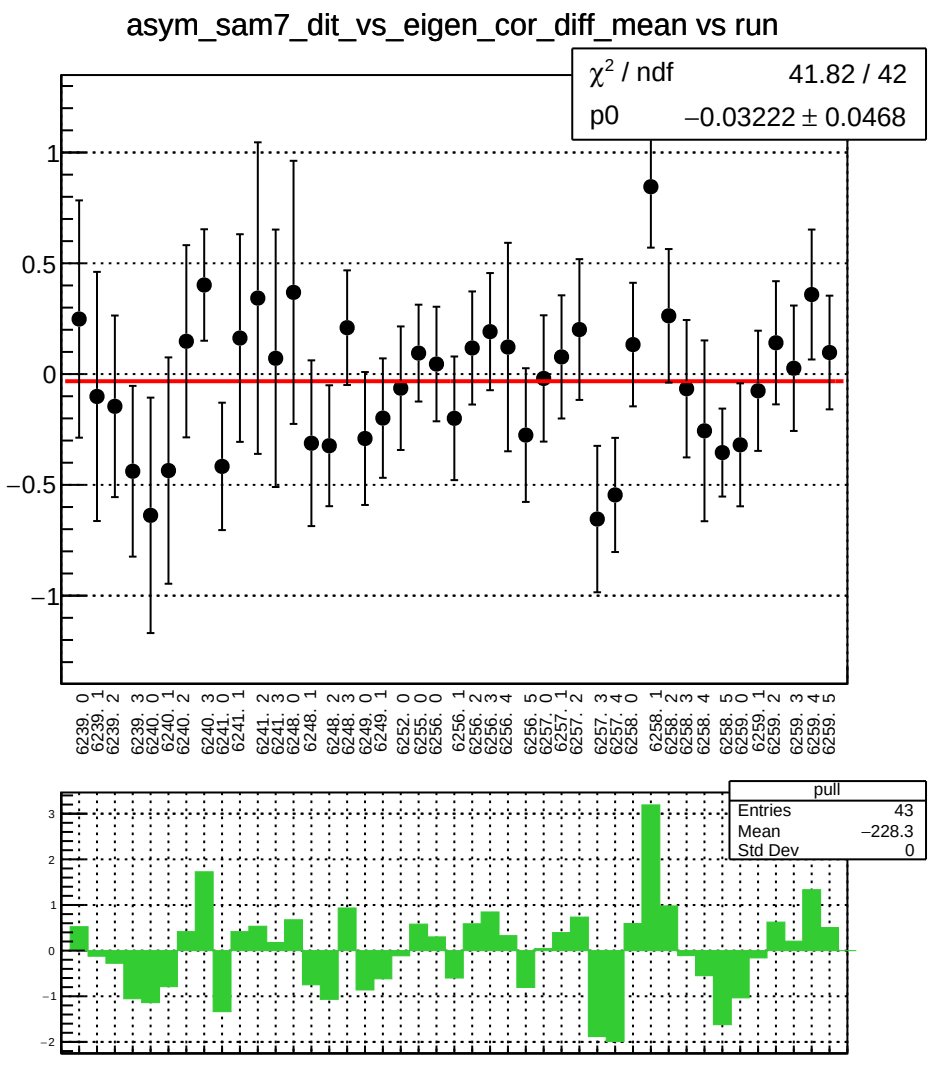

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 33.05 / 42
p0 8.391e−14 ± 5.997e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.68
Std Dev 6.873
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.2641
Std Dev 0.8359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

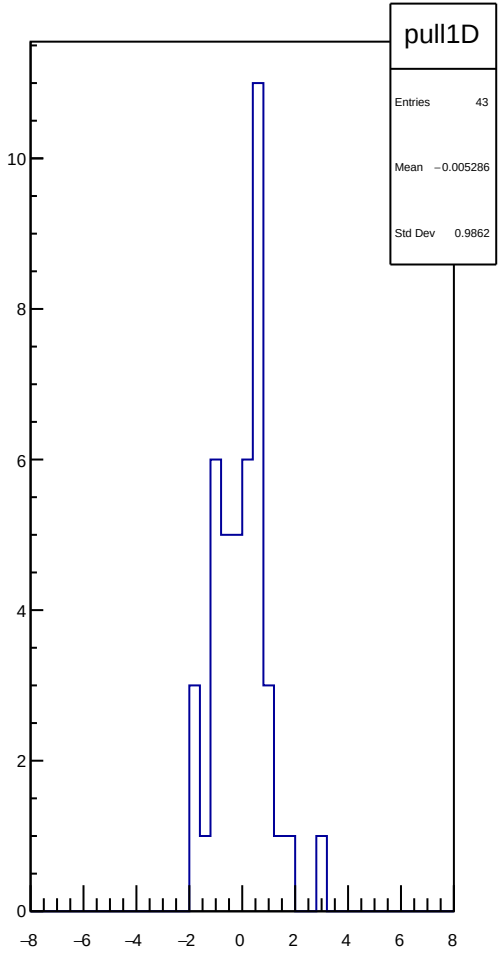

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 6.981e+05 / 42
p0 1.755e−11 ± 4.24e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

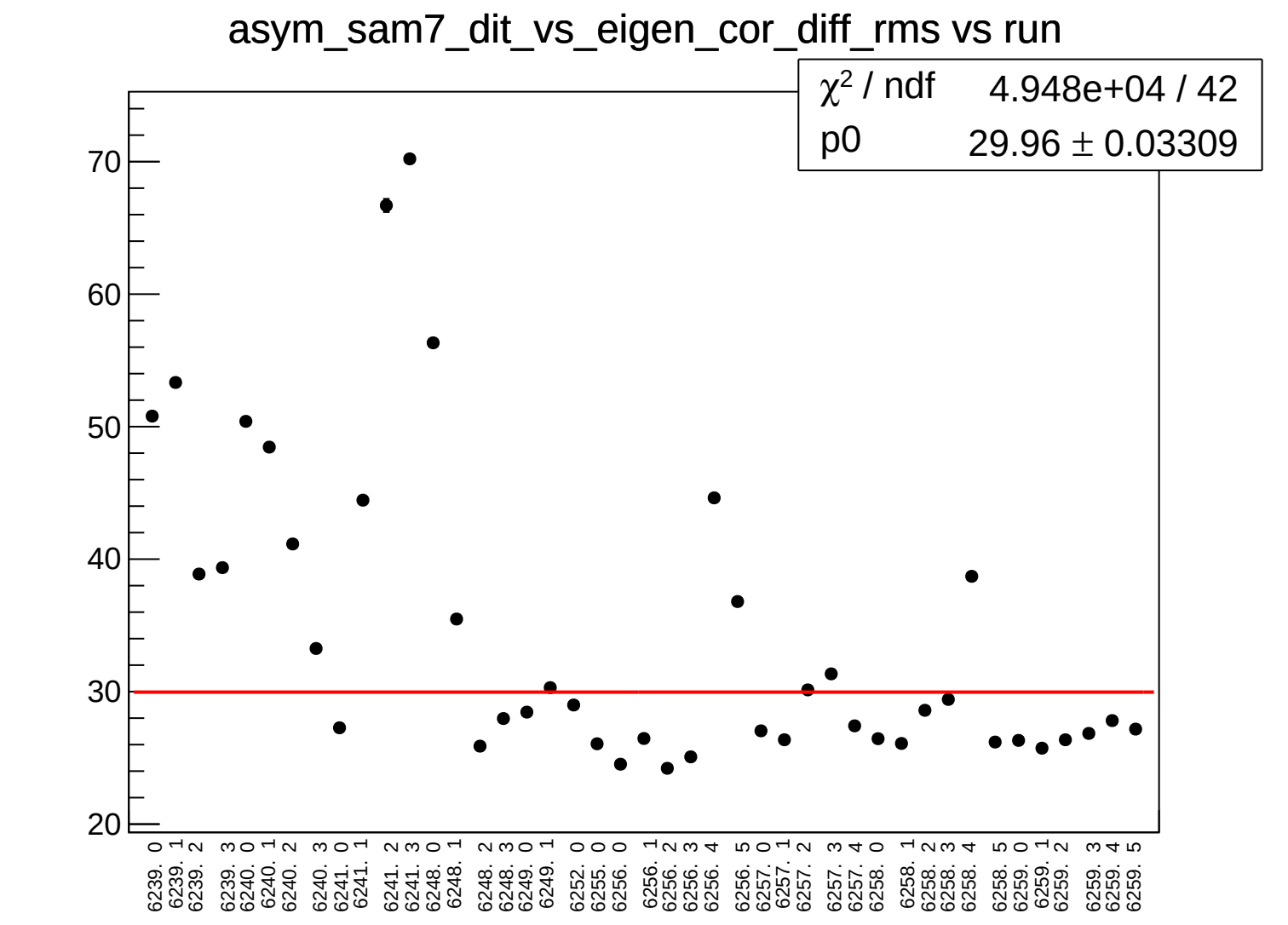

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 41.82 / 42
p0 −0.03222 ± 0.0468
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −228.3
Std Dev 0
3
2
1
0
−1
−2

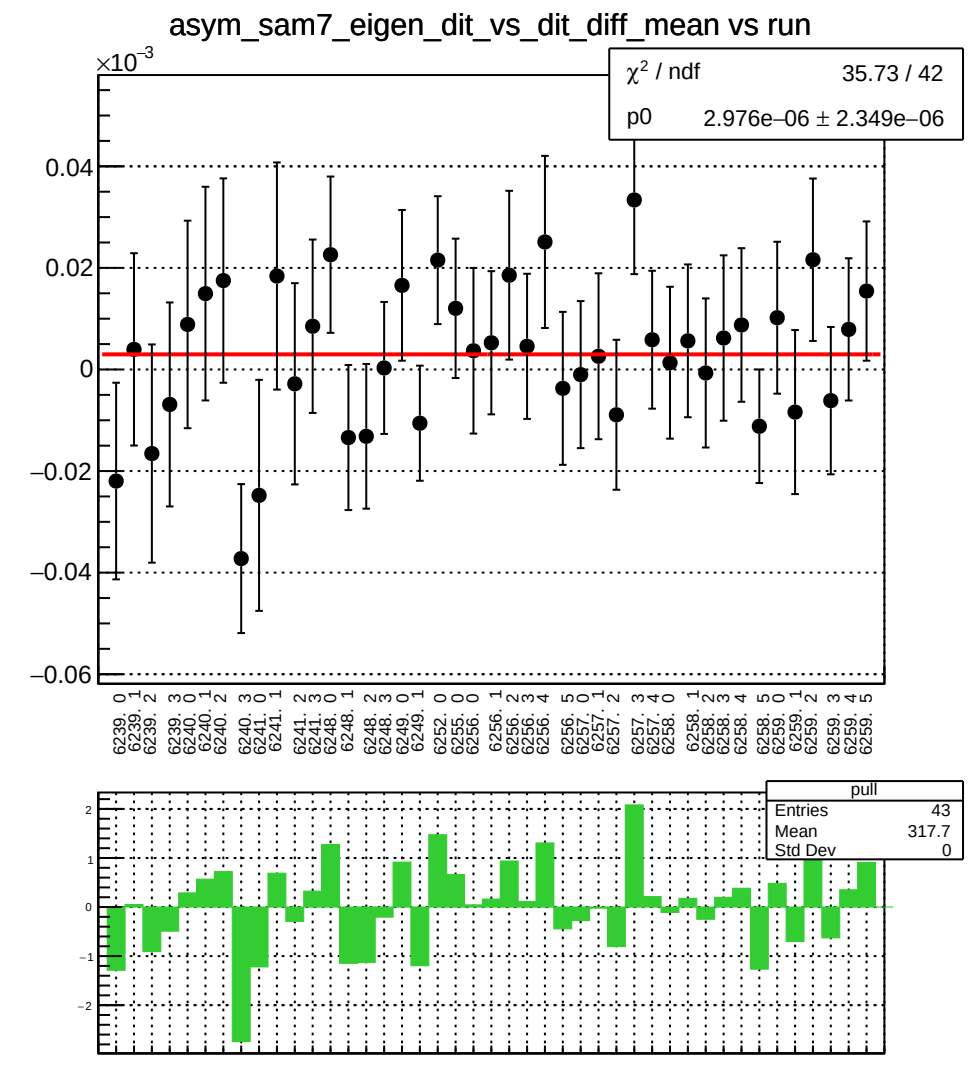

pull1D
Entries 43
Mean −0.005286
Std Dev 0.9862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

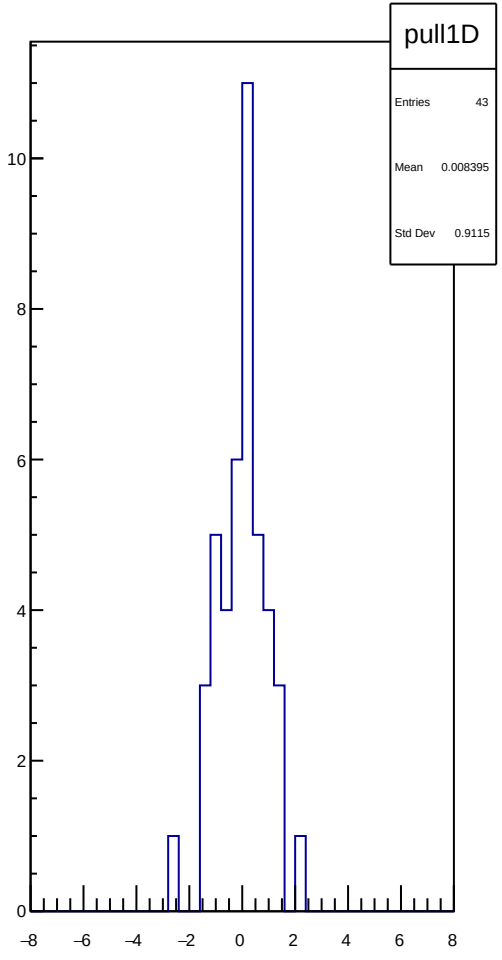

asym_sam7_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 4.948e+04 / 42
p0 29.96 ± 0.03309
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

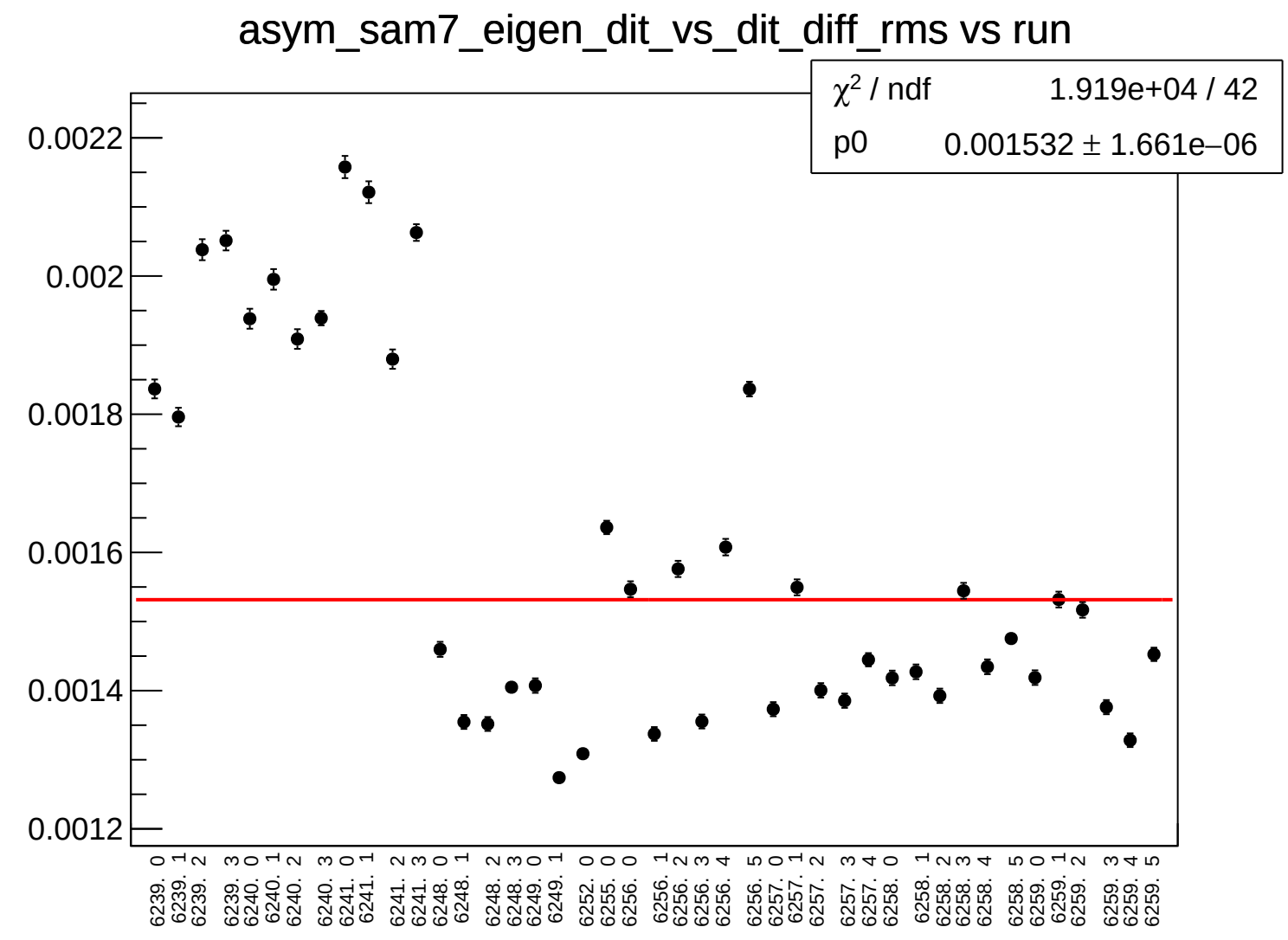

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.82 / 42
p0 −0.03222 ± 0.0468
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −228.3
Std Dev 0
3
2
1
0
−1
−2

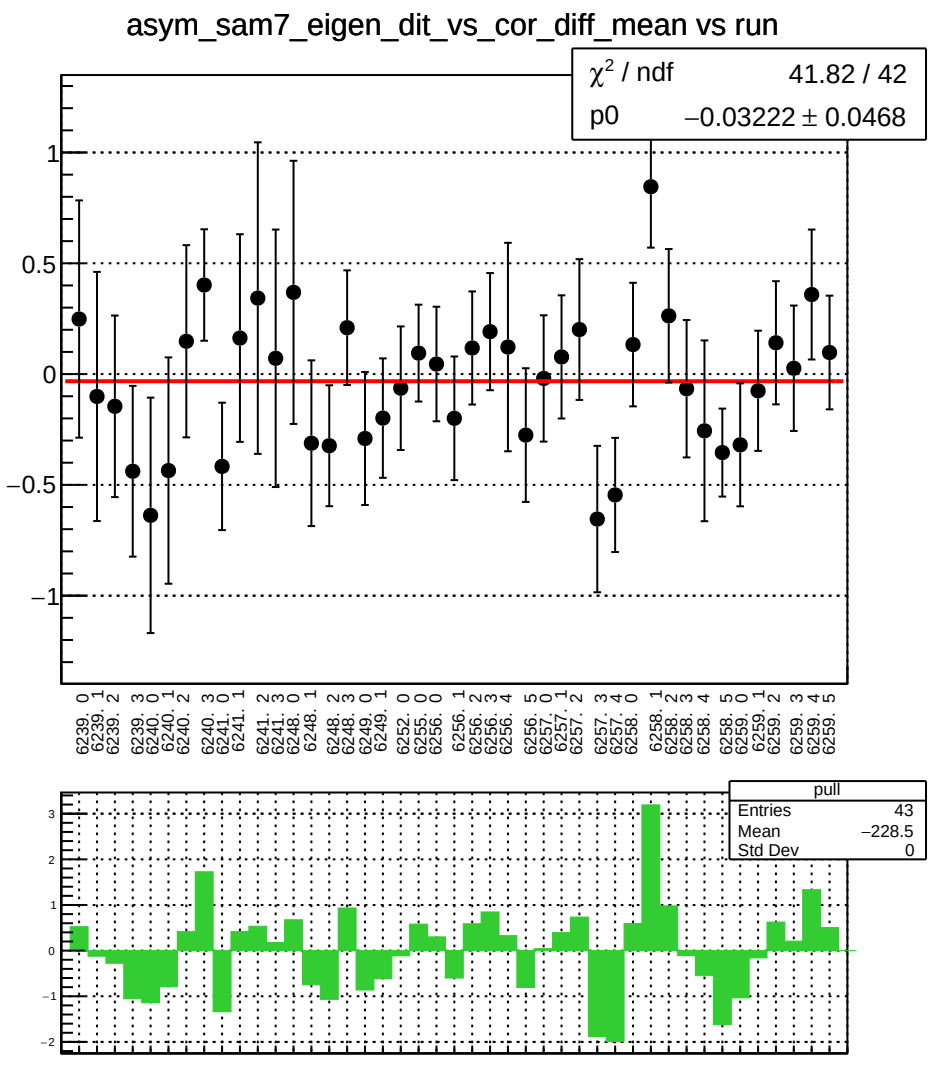

pull1D
Entries 43
Mean −0.005286
Std Dev 0.9862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

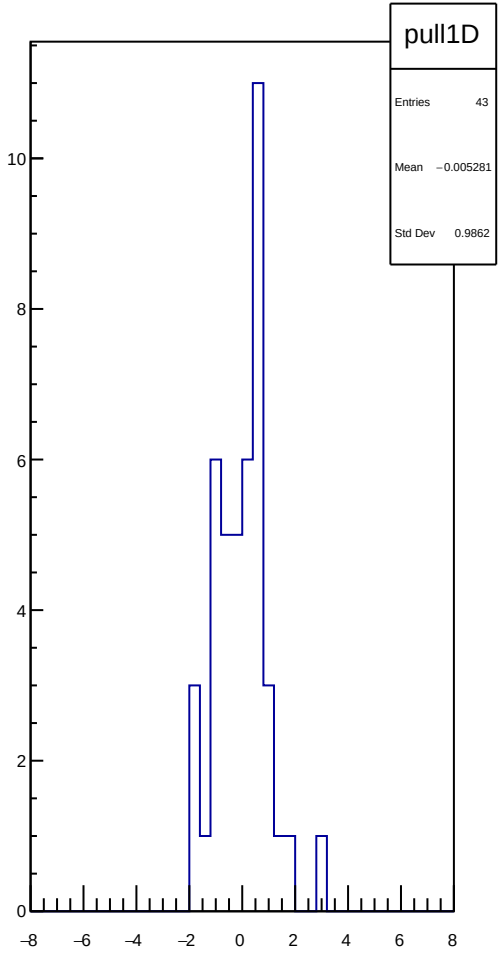

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.948e+04 / 42
p0 29.96 ± 0.03309
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

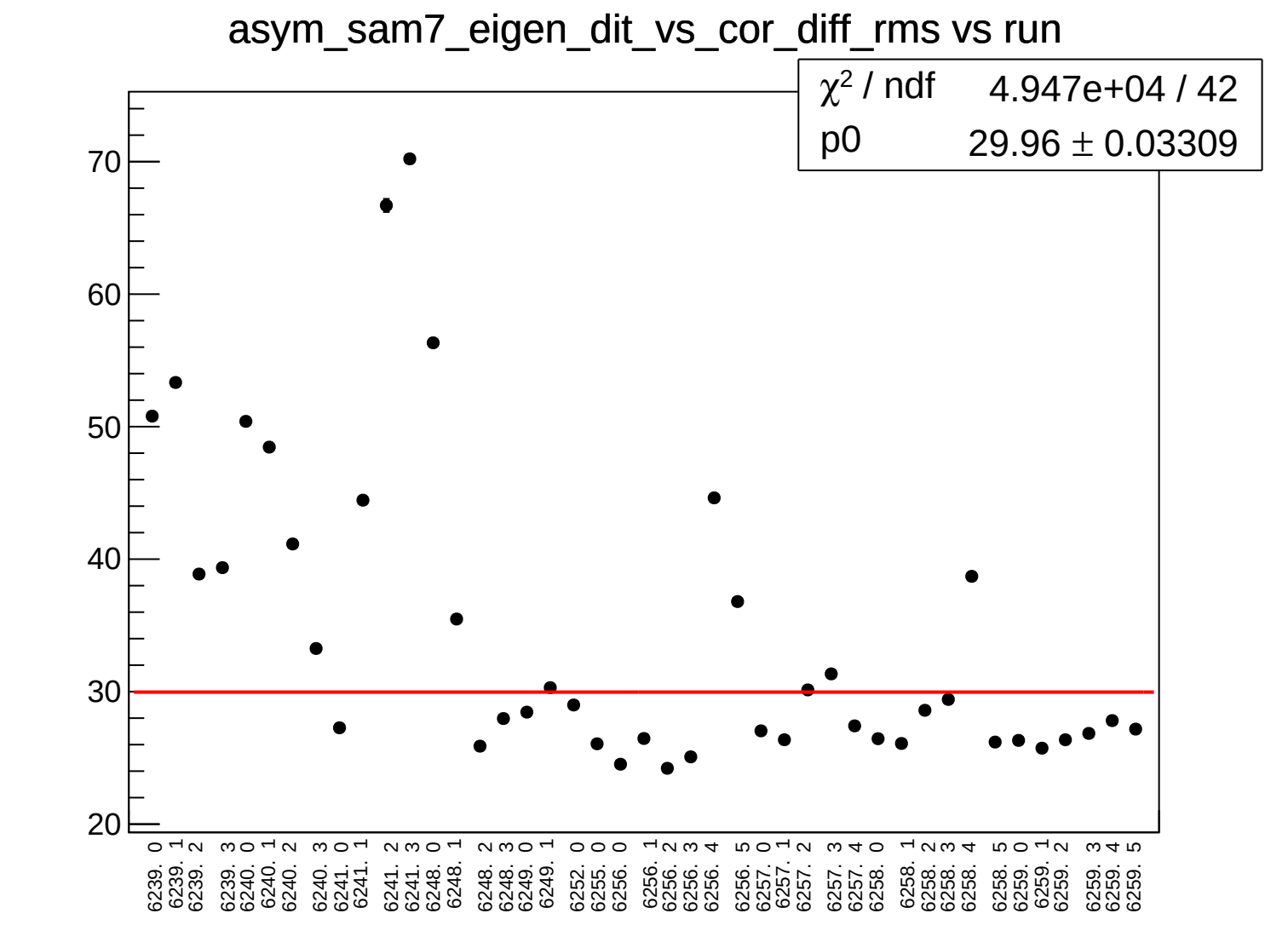

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.73 / 42
p0 2.976e−06 ± 2.349e−06
0.04
0.02
0
−0.02
−0.04
−0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 317.7
Std Dev 0
2
1
0
−1
−2

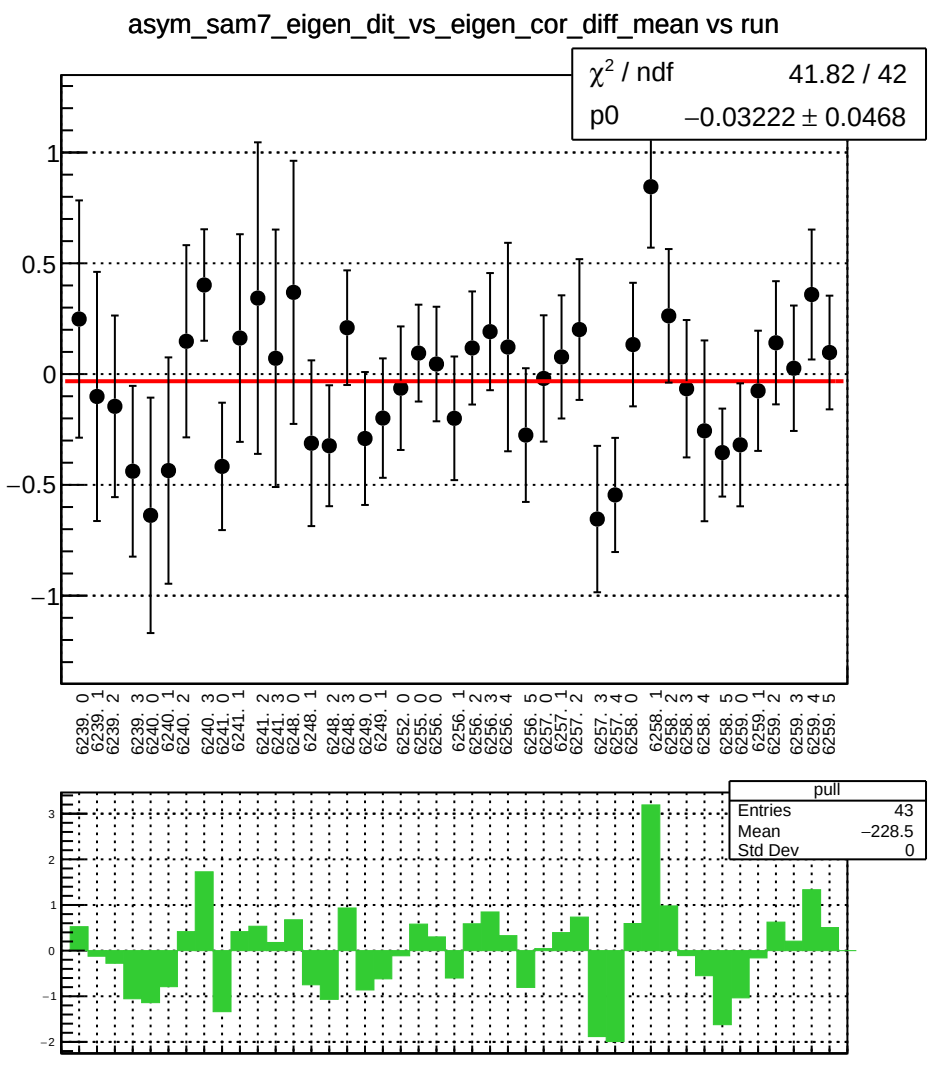

pull1D
Entries 43
Mean 0.008395
Std Dev 0.9115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

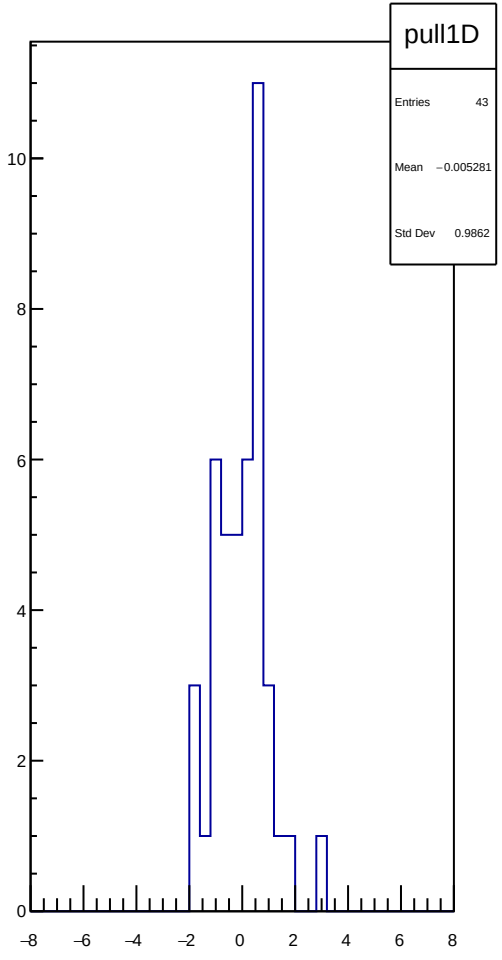

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.919e+04 / 42
p0 0.001532 ± 1.661e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

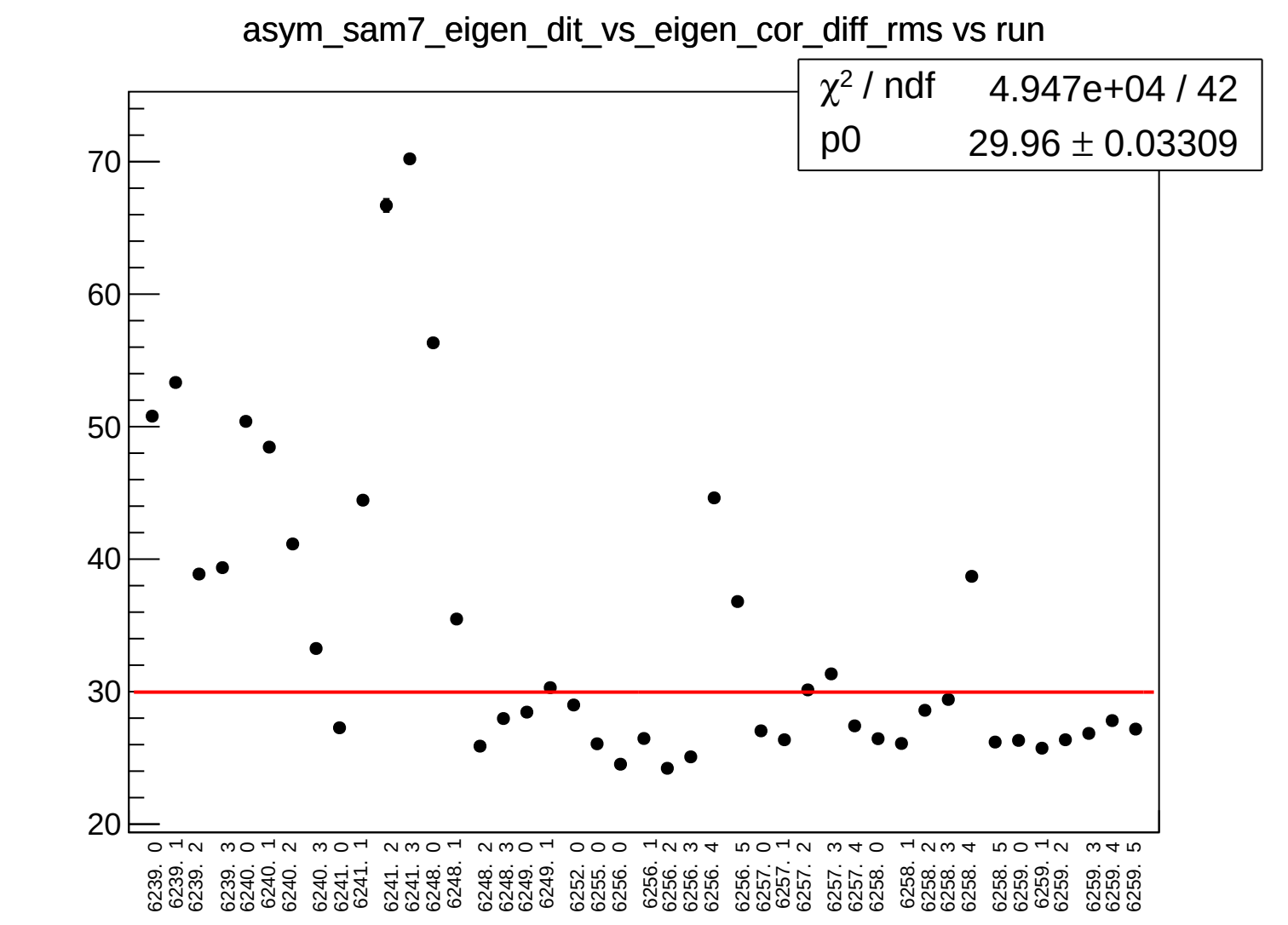

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.82 / 42
p0 −0.03222 ± 0.0468
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −228.5
Std Dev 0
3
2
1
0
−1
−2

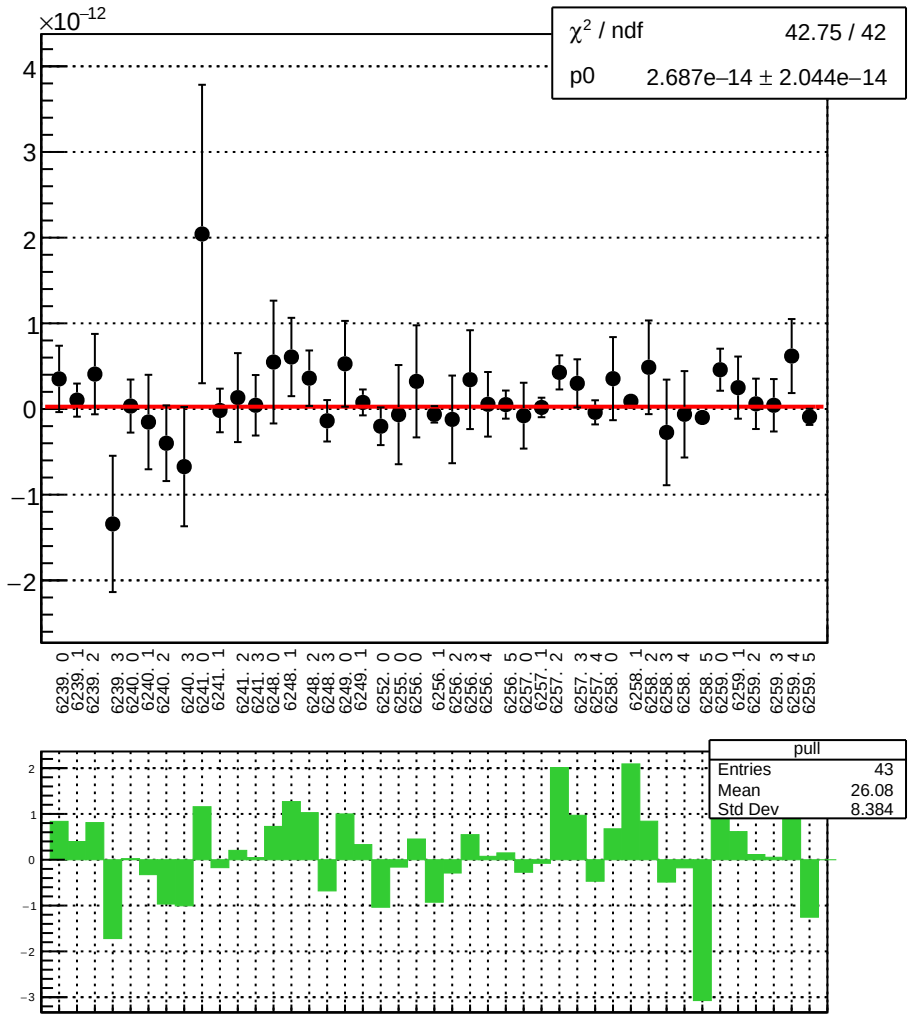

pull1D
Entries 43
Mean −0.005281
Std Dev 0.9862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

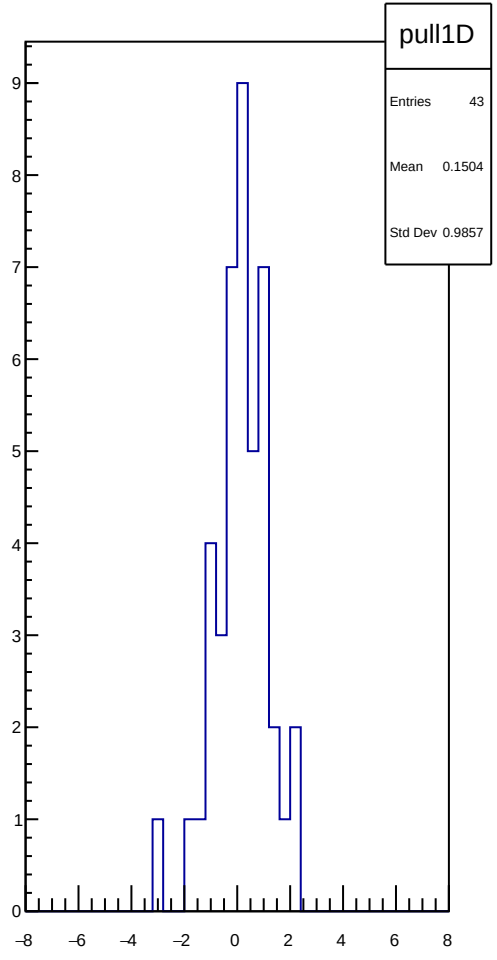

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.947e+04 / 42
p0 29.96 ± 0.03309
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

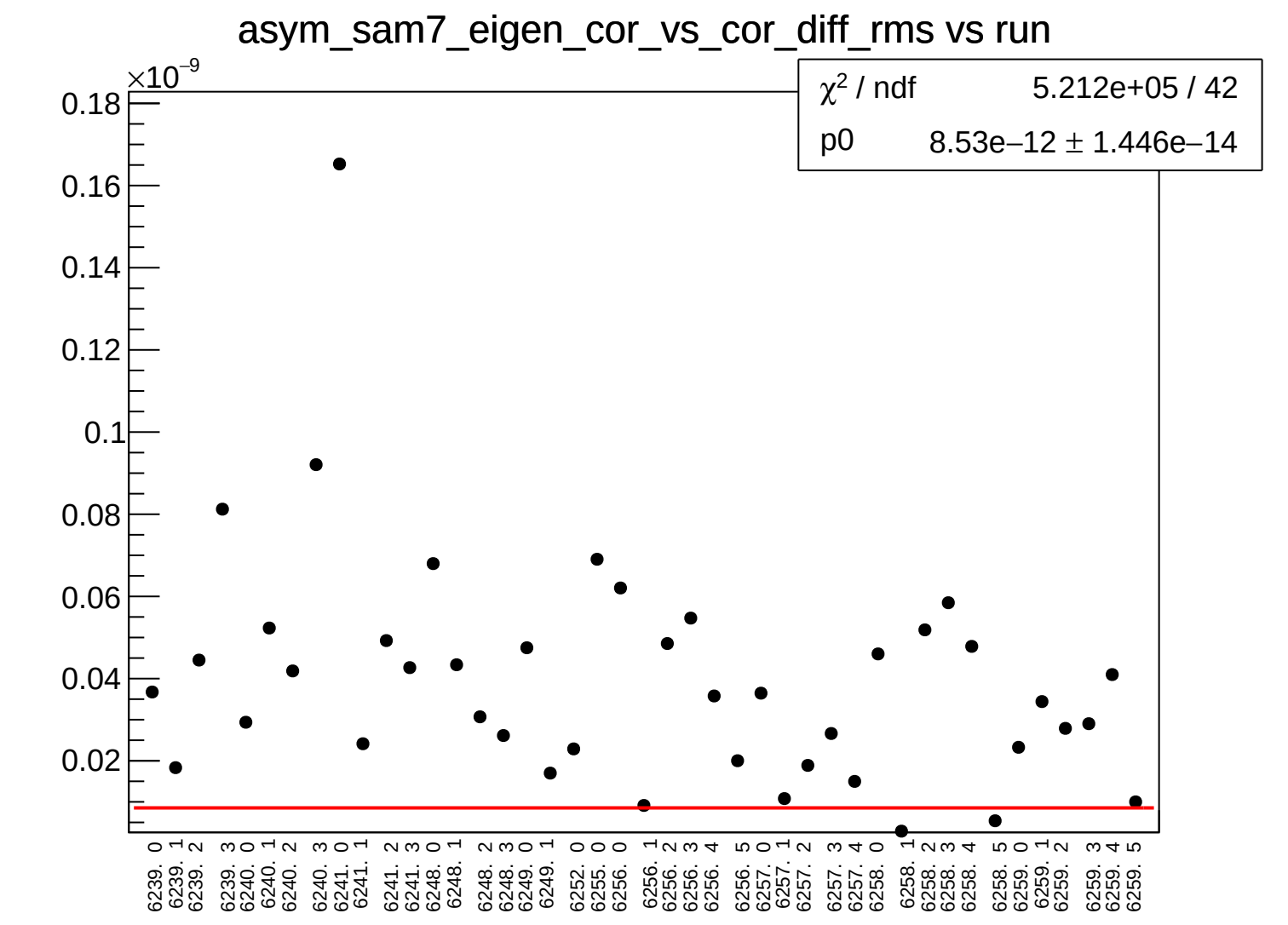

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.82 / 42
p0 −0.03222 ± 0.0468
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −228.5
Std Dev 0
3
2
1
0
−1
−2

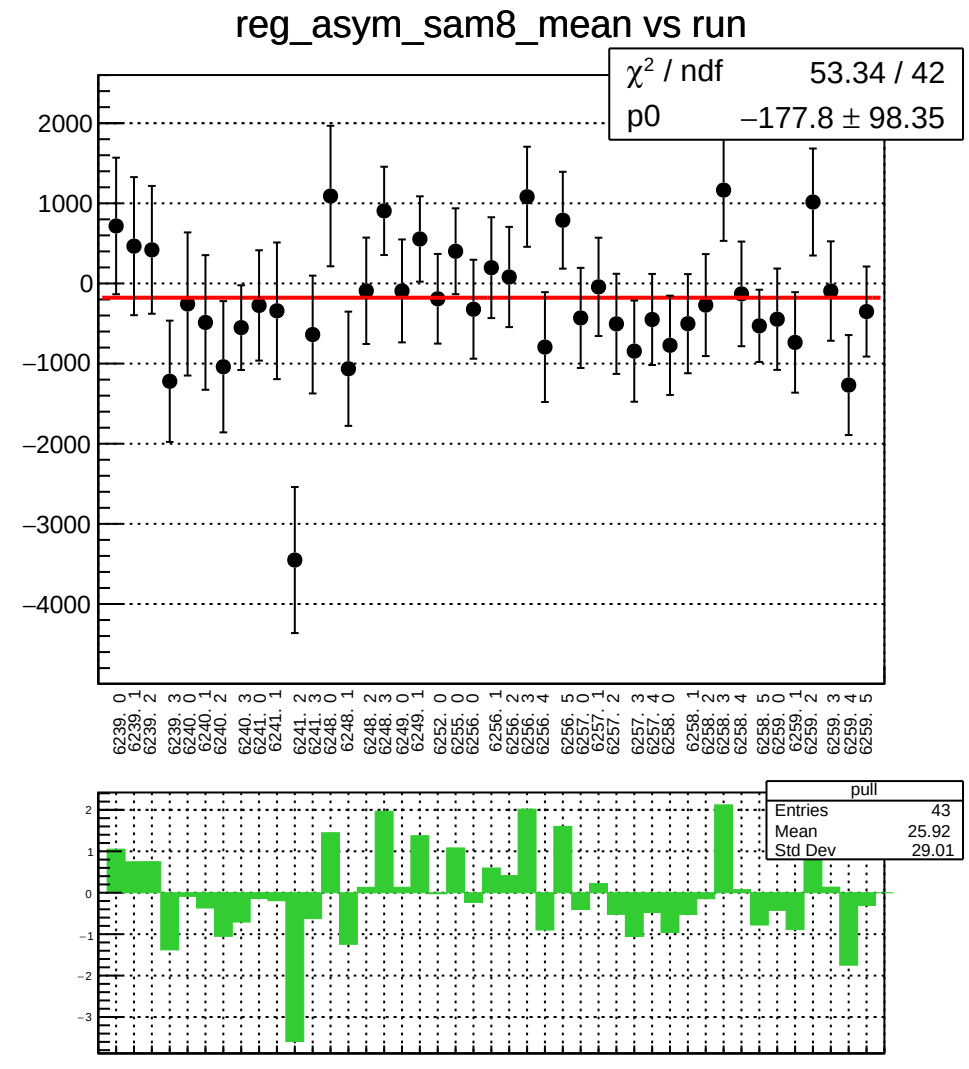

pull1D
Entries 43
Mean −0.005281
Std Dev 0.9862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

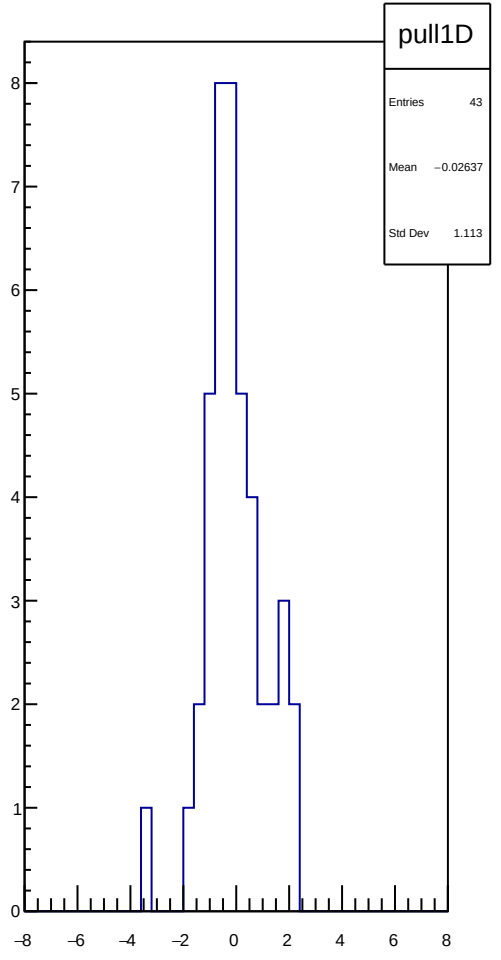

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.947e+04 / 42
p0 29.96 ± 0.03309
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

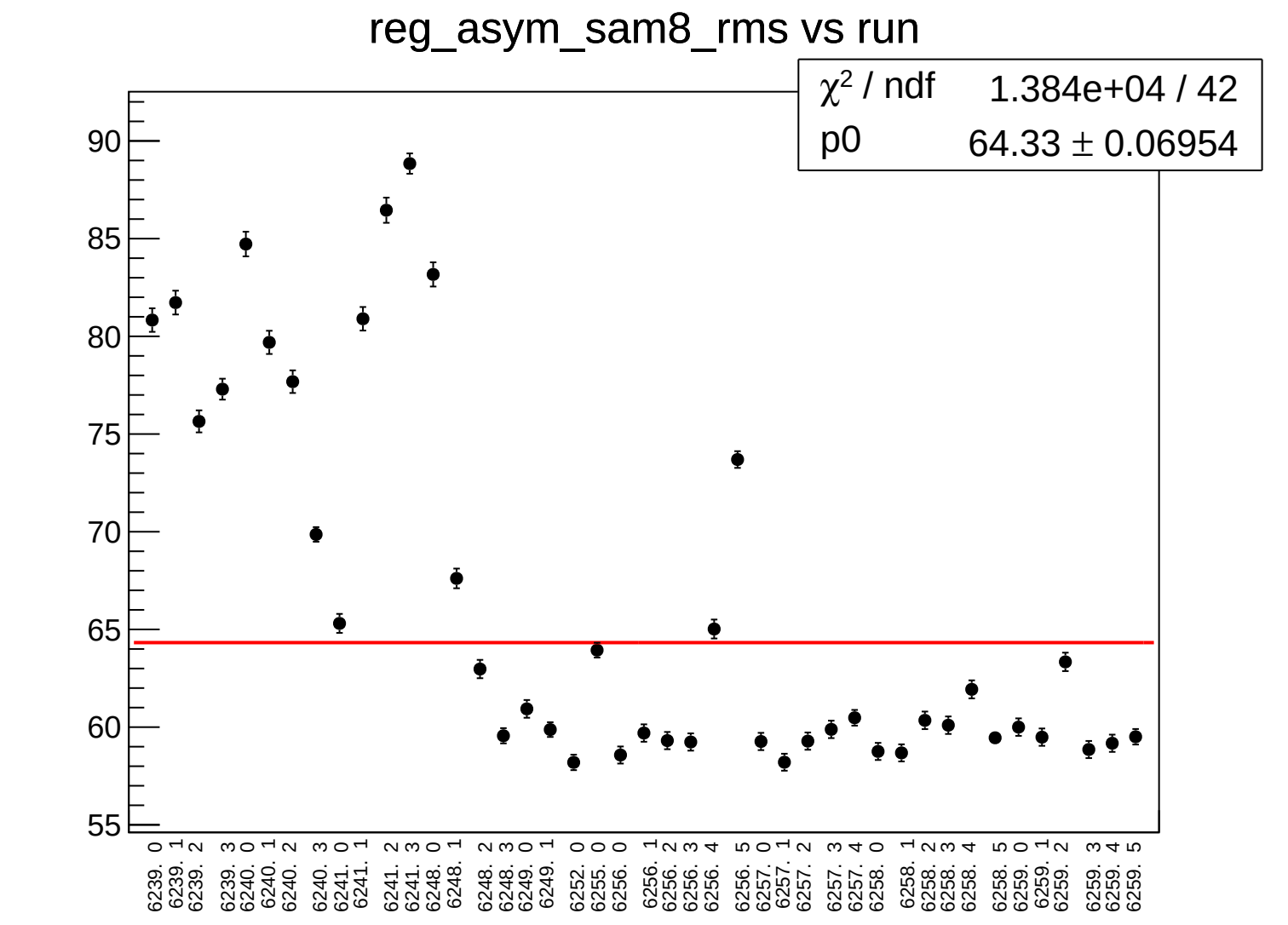

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.75 / 42
p0 2.687e−14 ± 2.044e−14
4
3
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.08
Std Dev 8.384
2
1
0
−1
−2
−3

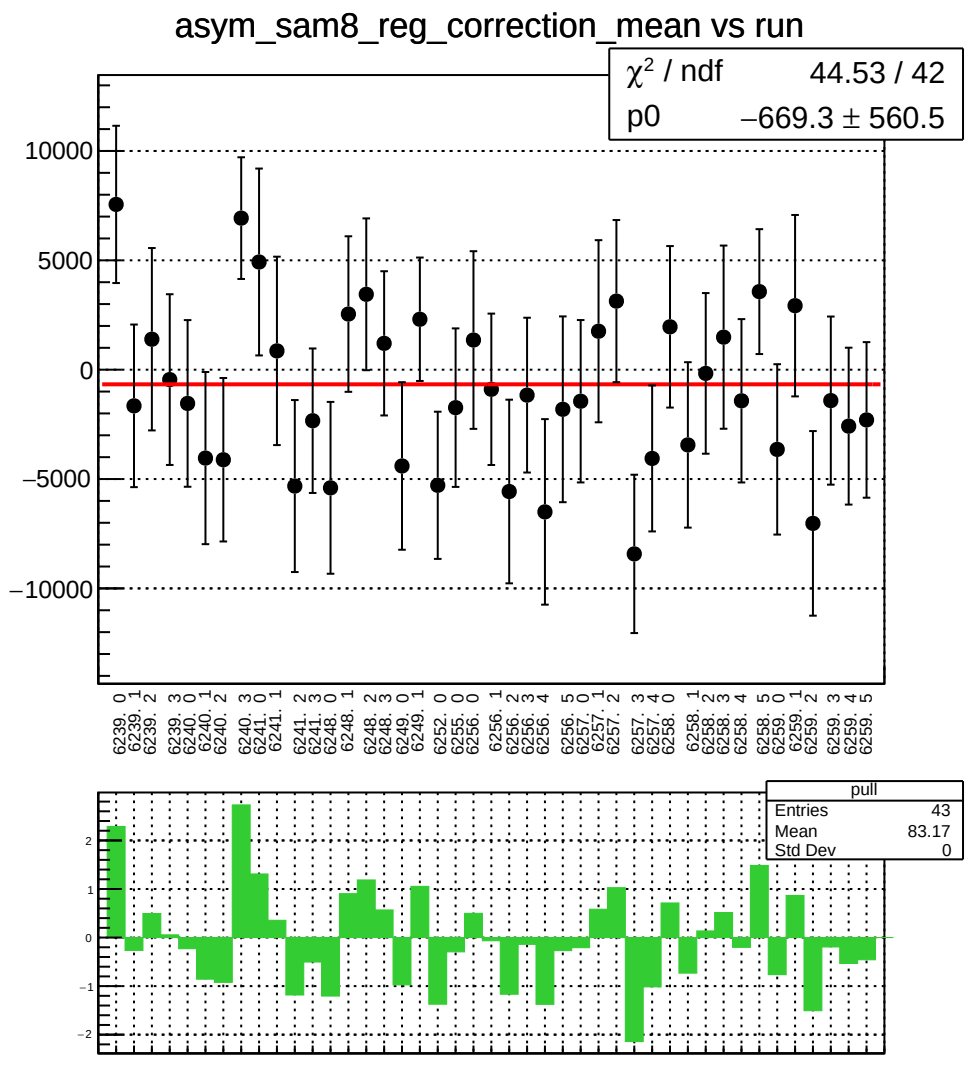

pull1D
Entries 43
Mean 0.1504
Std Dev 0.9857
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

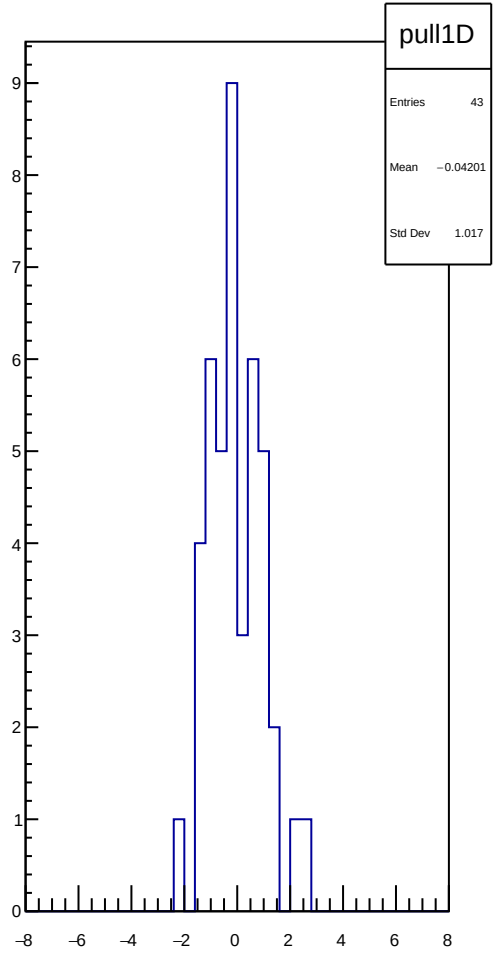

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.212e+05 / 42
p0 8.53e−12 ± 1.446e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

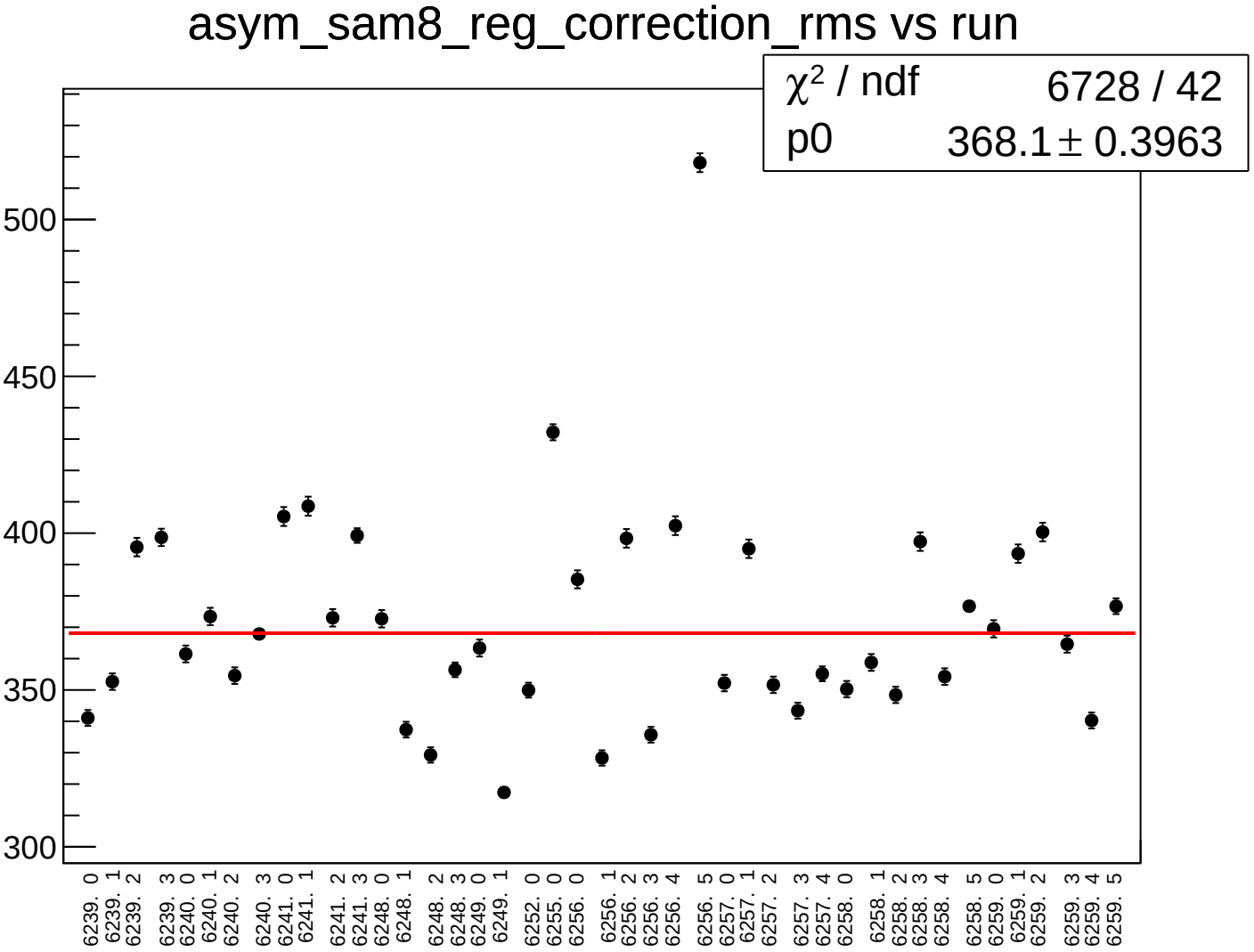

reg_asym_sam8_mean vs run
χ² / ndf 53.34 / 42
p0 −177.8 ± 98.35
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 25.92
Std Dev 29.01
2
1
0
−1
−2
−3

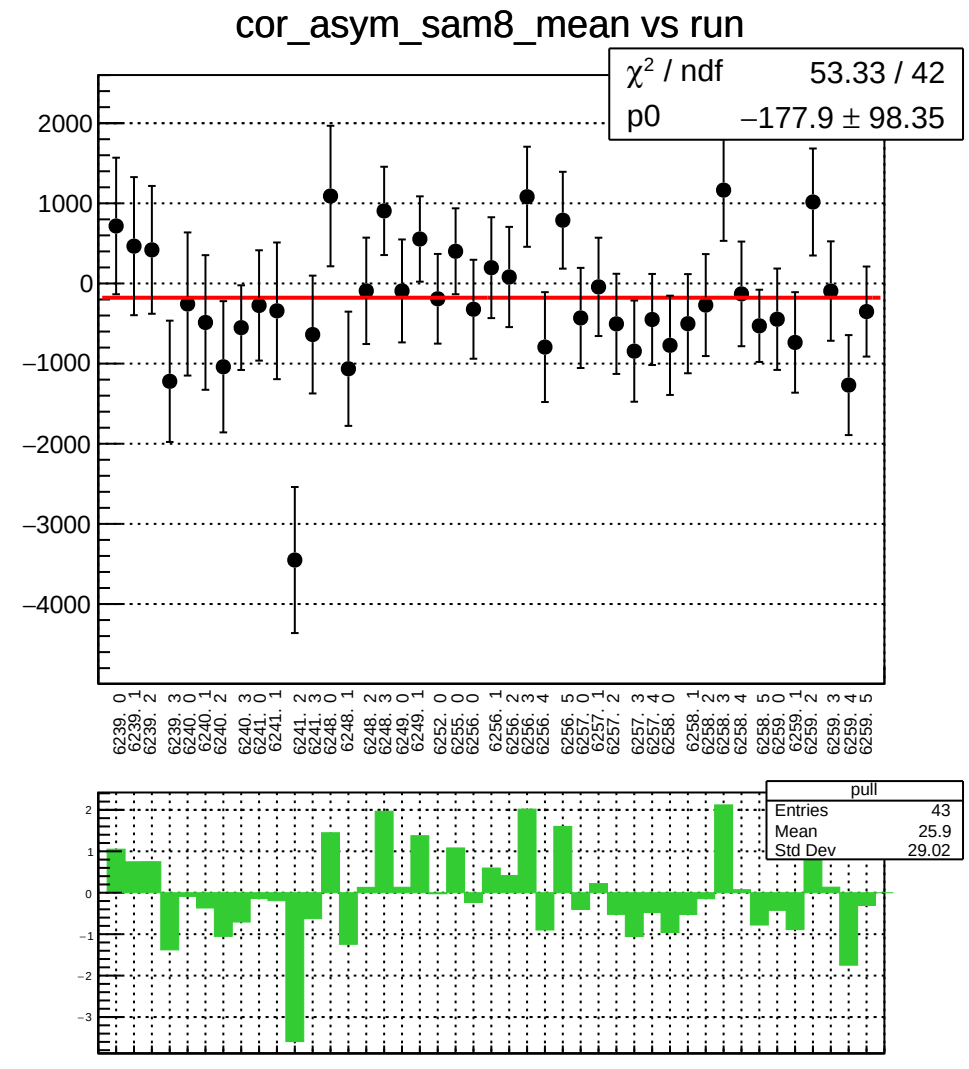

pull1D
Entries 43
Mean −0.02637
Std Dev 1.113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

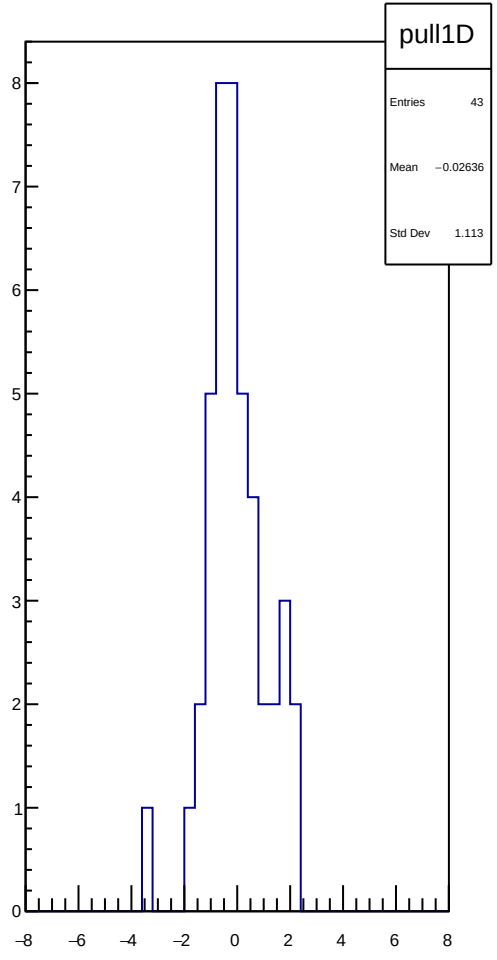

reg_asym_sam8_rms vs run
χ² / ndf 1.384e+04 / 42
p0 64.33 ± 0.06954
90
85
80
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

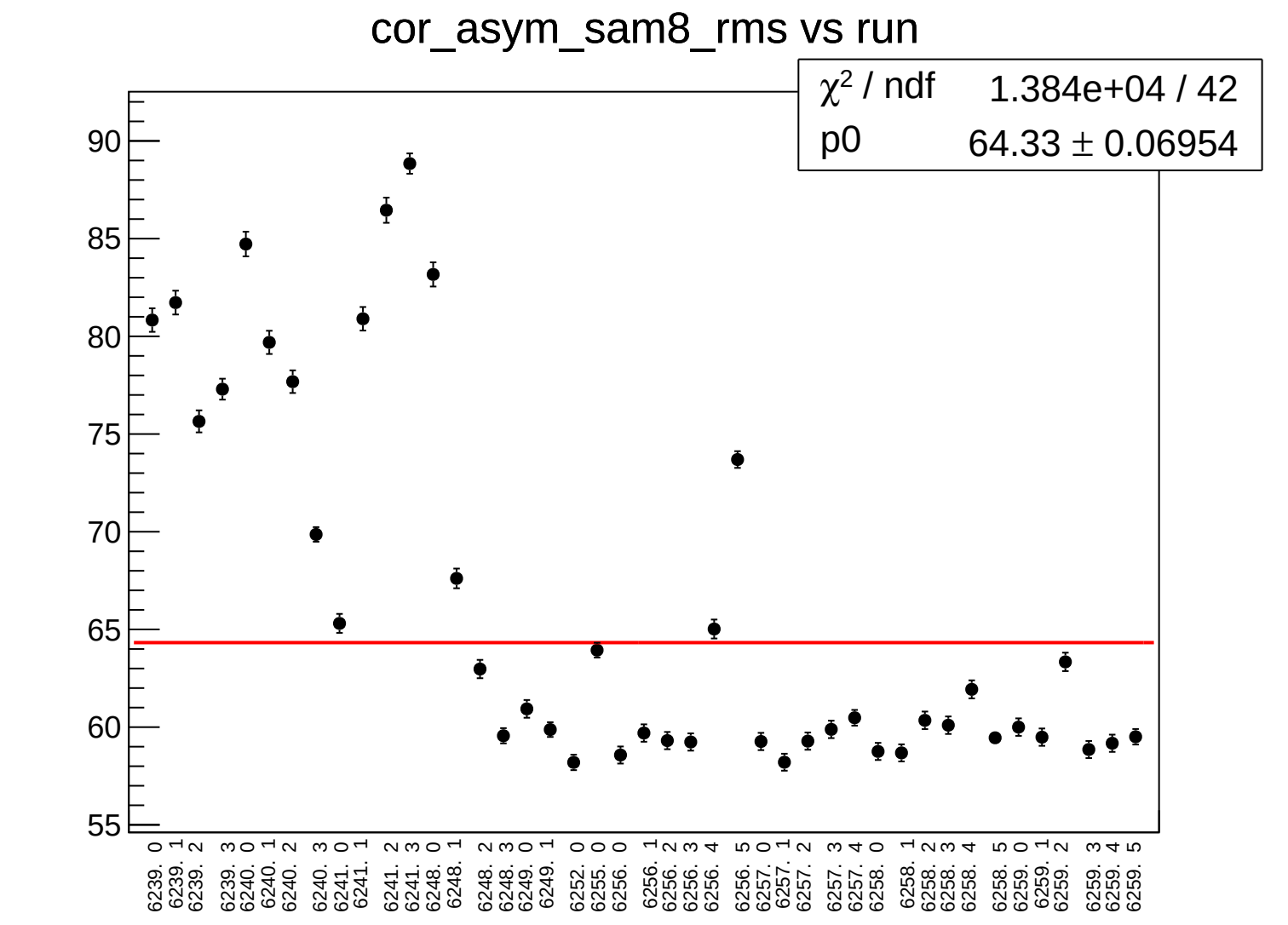

asym_sam8_reg_correction_mean vs run
χ² / ndf 44.53 / 42
p0 −669.3 ± 560.5
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.17
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.04201
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_reg_correction_rms vs run
χ² / ndf 6728 / 42
p0 368.1 ± 0.3963
500
450
400
350
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam8_mean vs run
χ² / ndf 53.33 / 42
p0 −177.9 ± 98.35
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 25.9
Std Dev 29.02
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.02636
Std Dev 1.113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam8_rms vs run
χ² / ndf 1.384e+04 / 42
p0 64.33 ± 0.06954
90
85
80
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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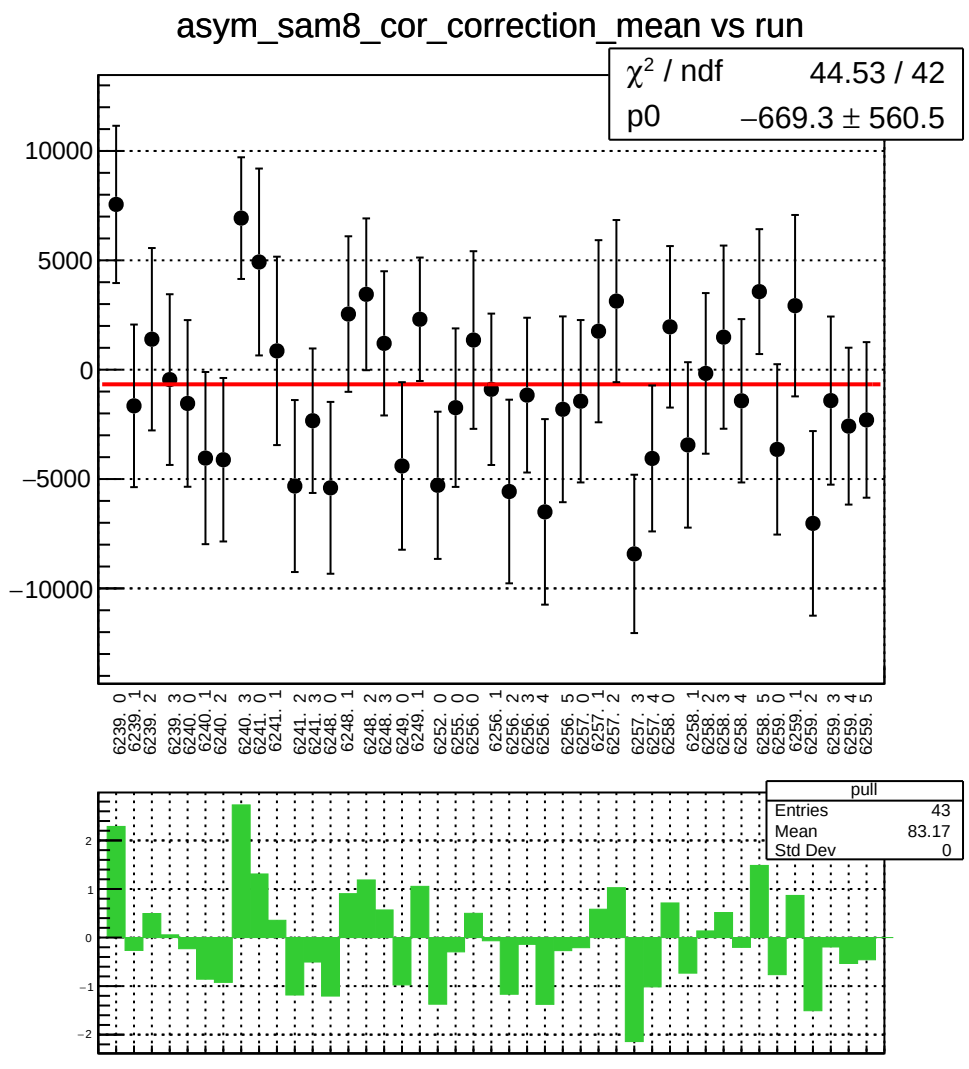
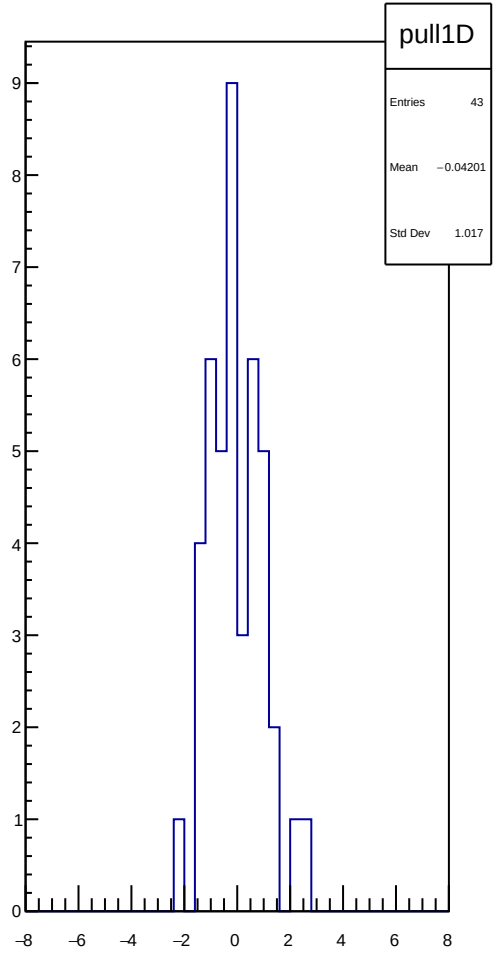
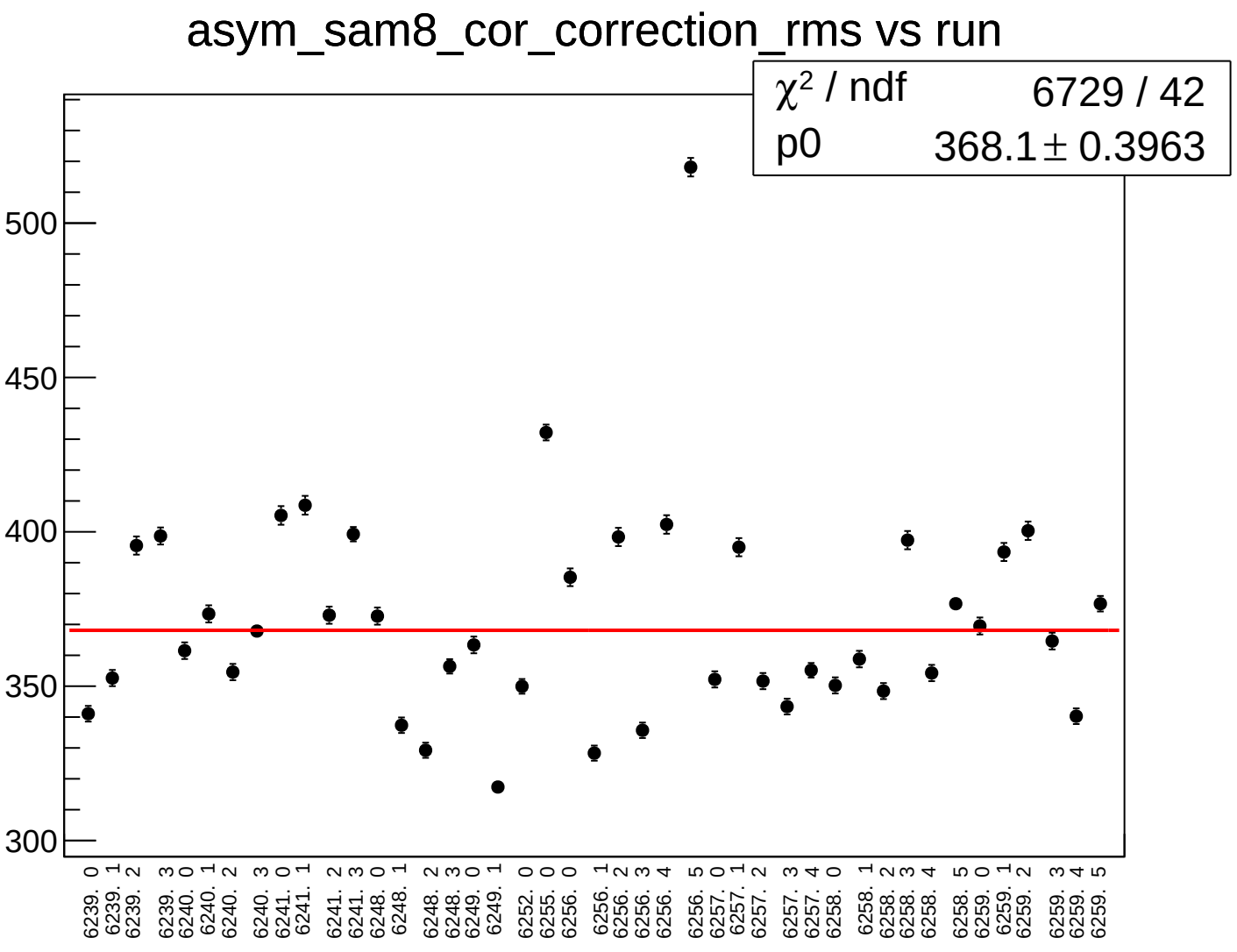
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam8_cor_correction_mean vs run
χ² / ndf 44.53 / 42
p0 −669.3 ± 560.5
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.17
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.04201
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_cor_correction_rms vs run
χ² / ndf 6729 / 42
p0 368.1 ± 0.3963
500
450
400
350
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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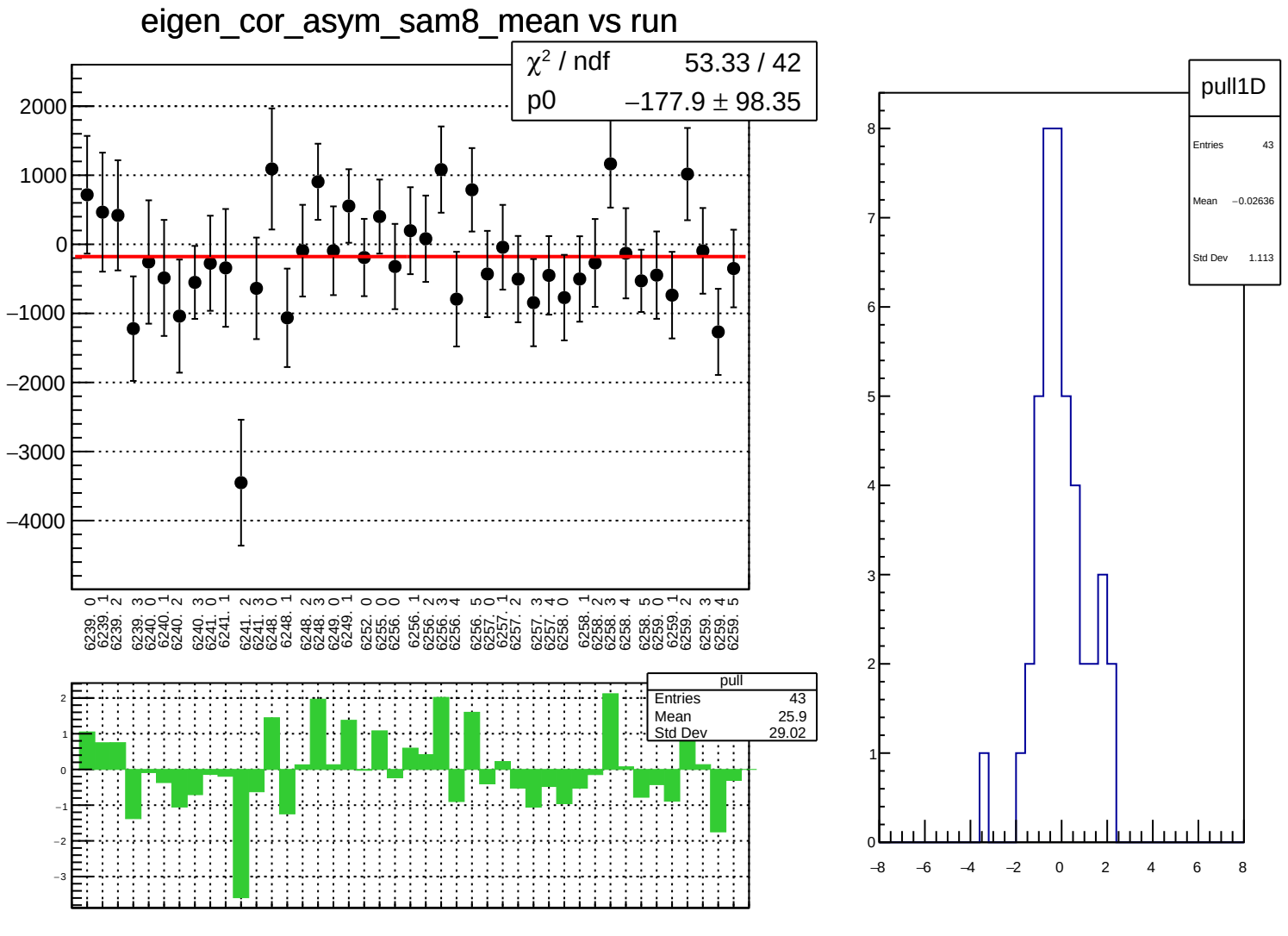
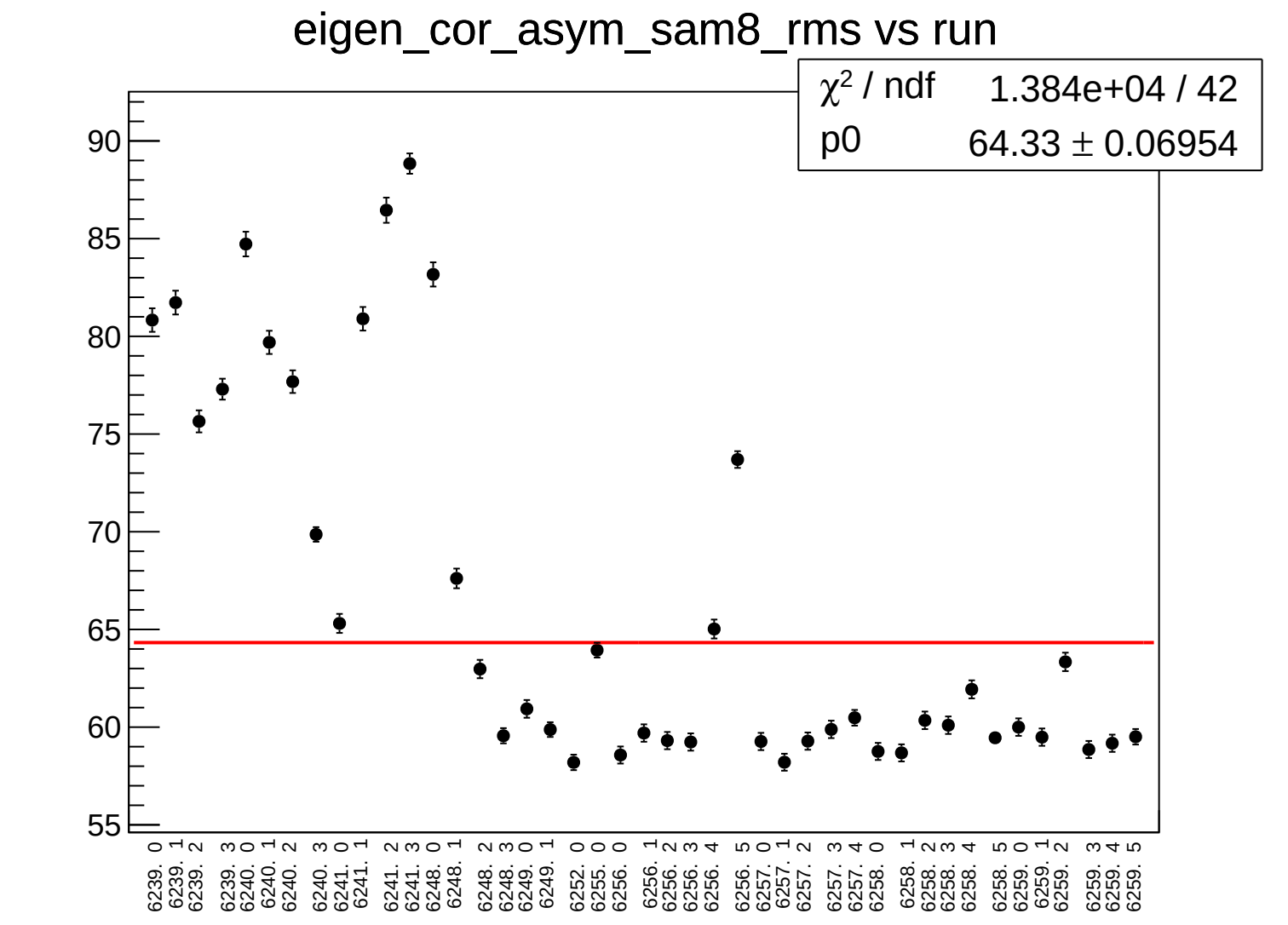
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam8_mean vs run
χ² / ndf 53.33 / 42
p0 −177.9 ± 98.35
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 25.9
Std Dev 29.02
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.02636
Std Dev 1.113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam8_rms vs run
χ² / ndf 1.384e+04 / 42
p0 64.33 ± 0.06954
90
85
80
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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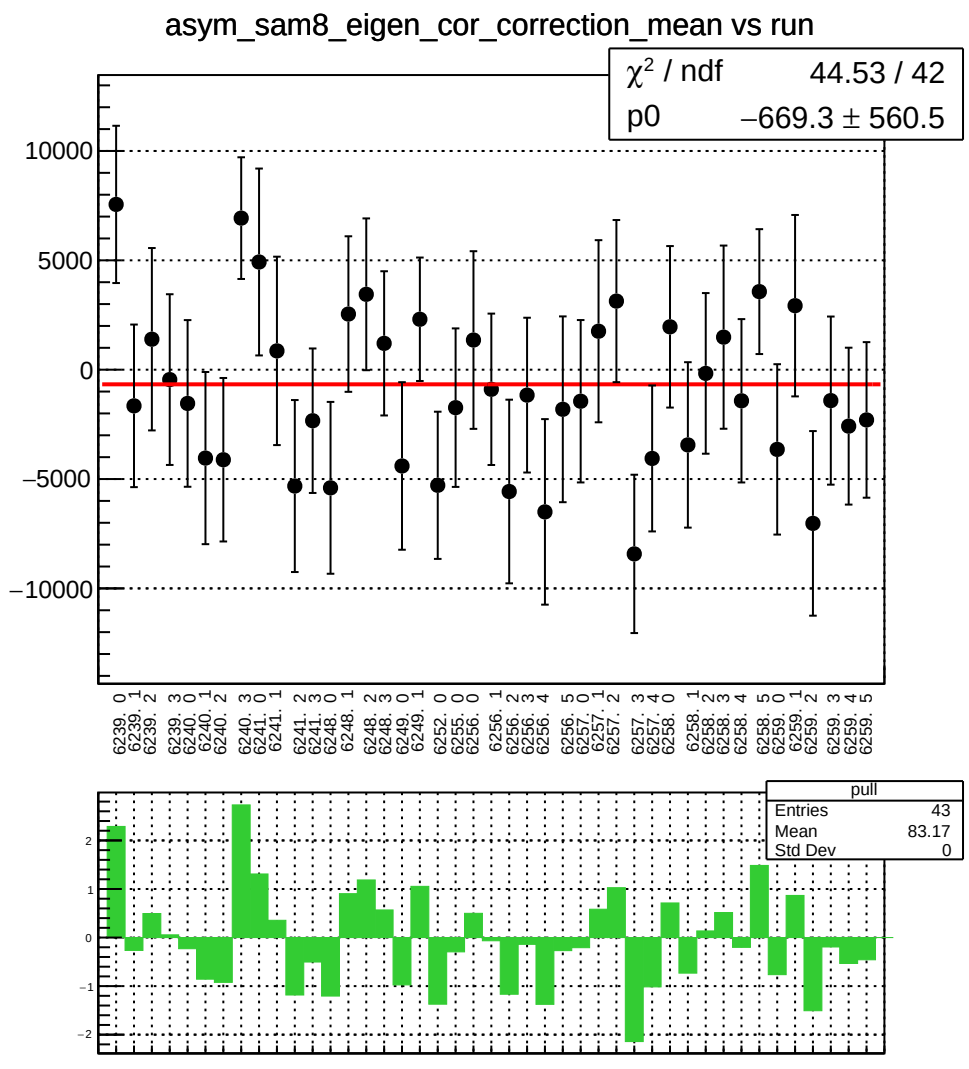
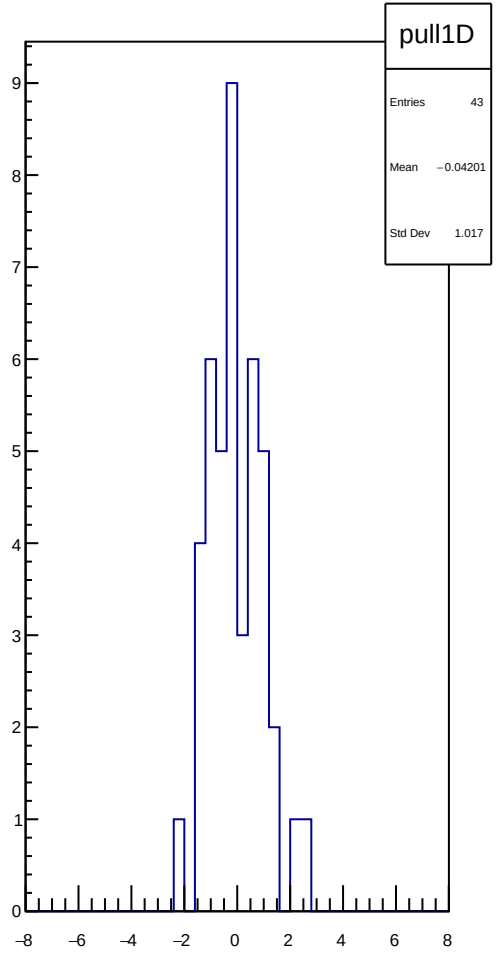
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 44.53 / 42
p0 −669.3 ± 560.5
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.17
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.04201
Std Dev 1.017
9
8
7
6
5
4
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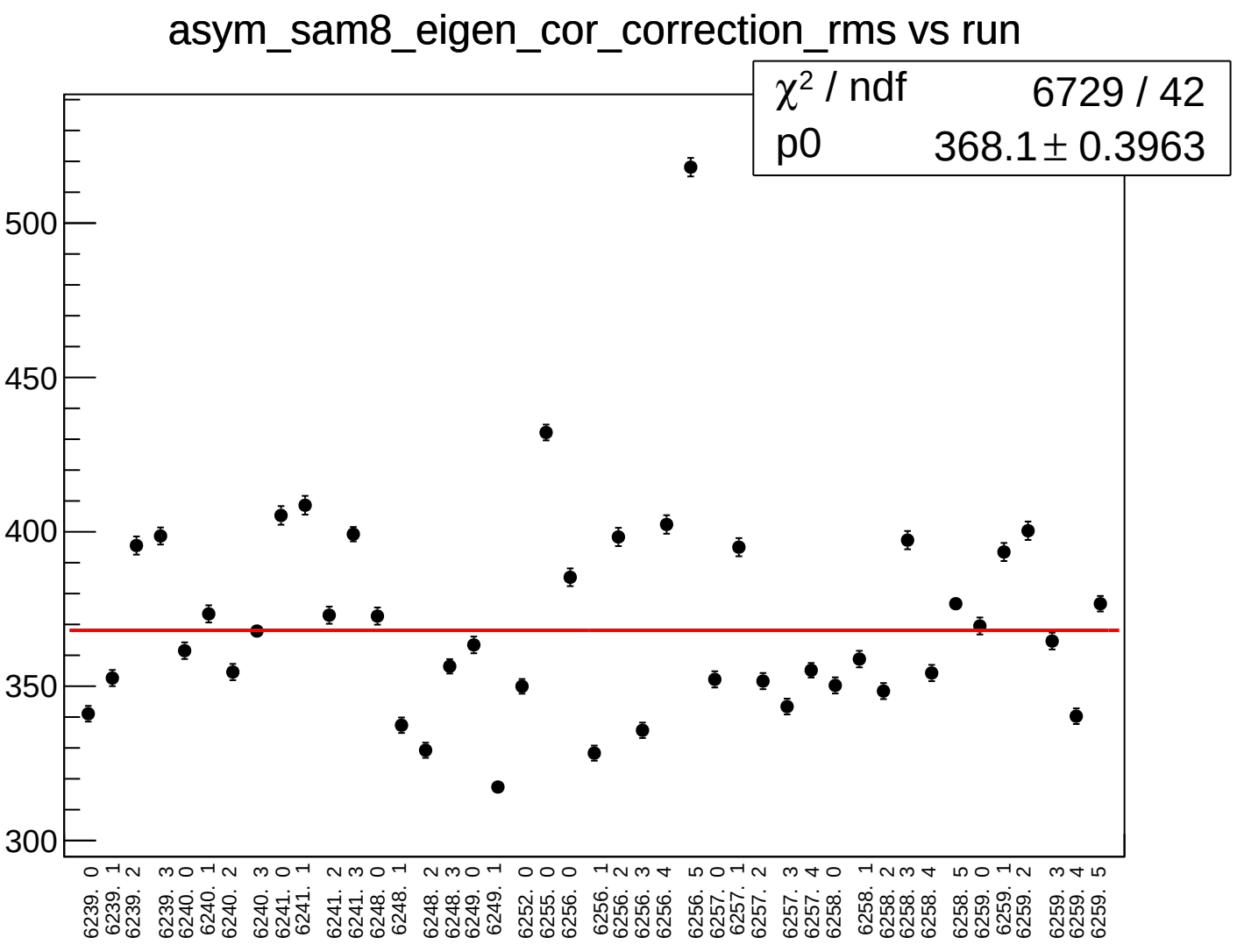
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 6729 / 42
p0 368.1 ± 0.3963
500
450
400
350
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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6259. 2
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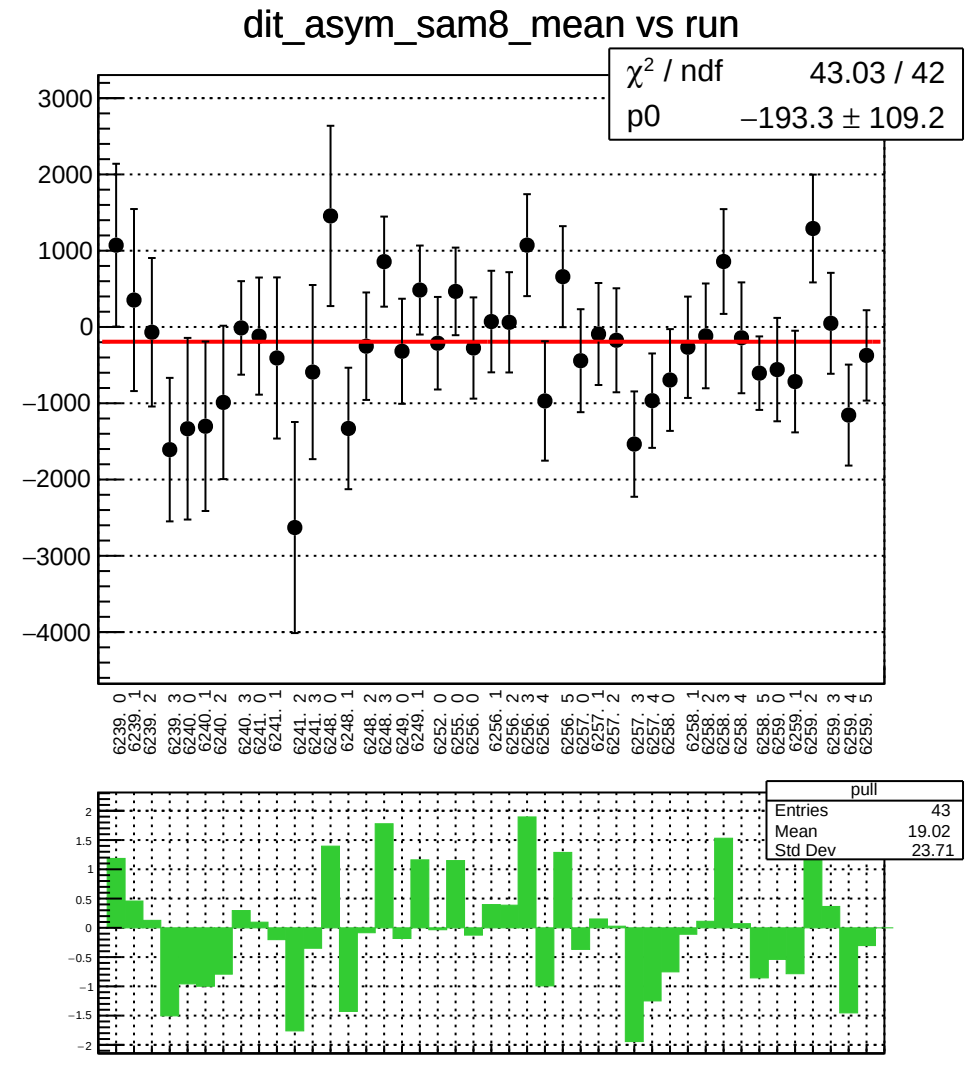
6259. 4
6259. 5


dit_asym_sam8_mean vs run
χ² / ndf 43.03 / 42
p0 −193.3 ± 109.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
6248. 3
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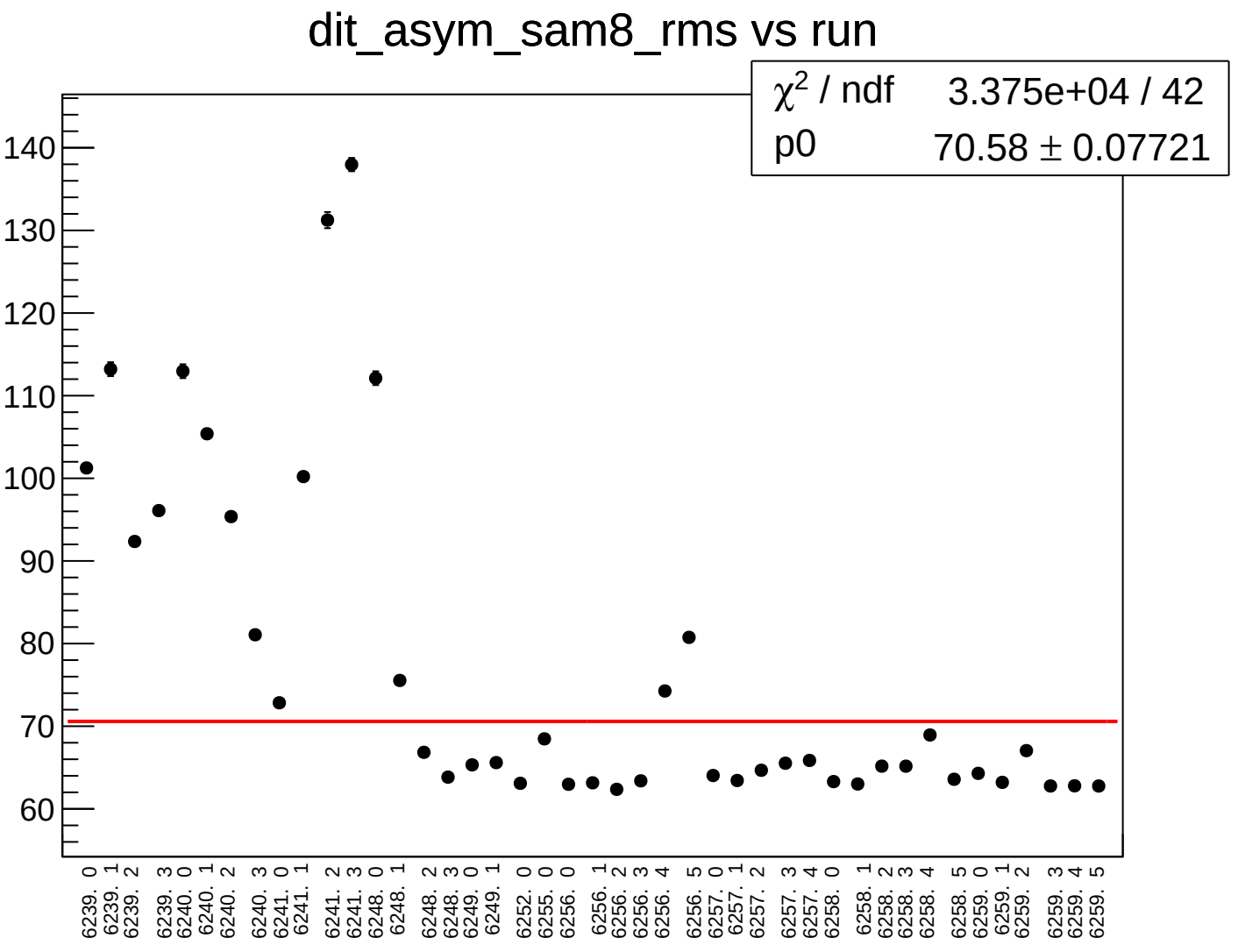
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.02
Std Dev 23.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04158
Std Dev 0.9994
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam8_rms vs run
$\chi^2$ / ndf 3.375e+04 / 42
p0 70.58 ± 0.07721
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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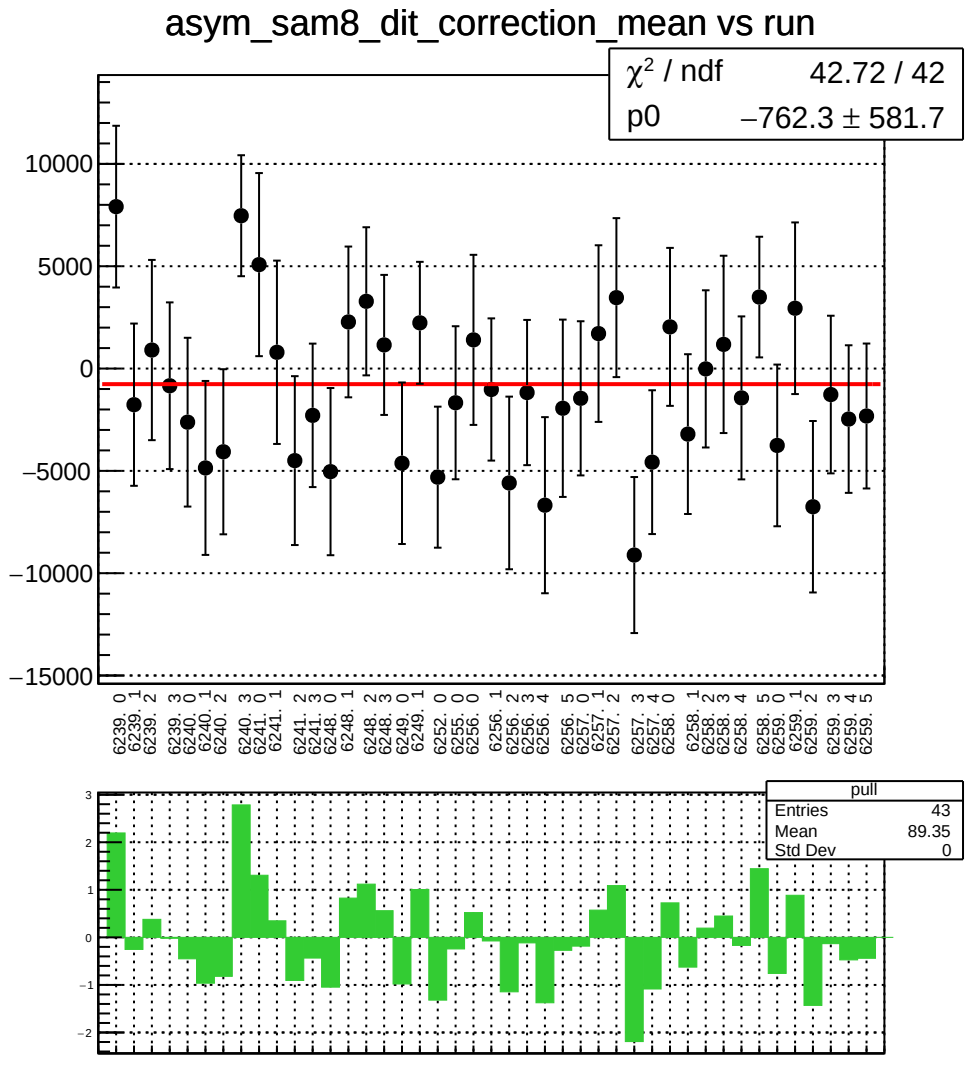
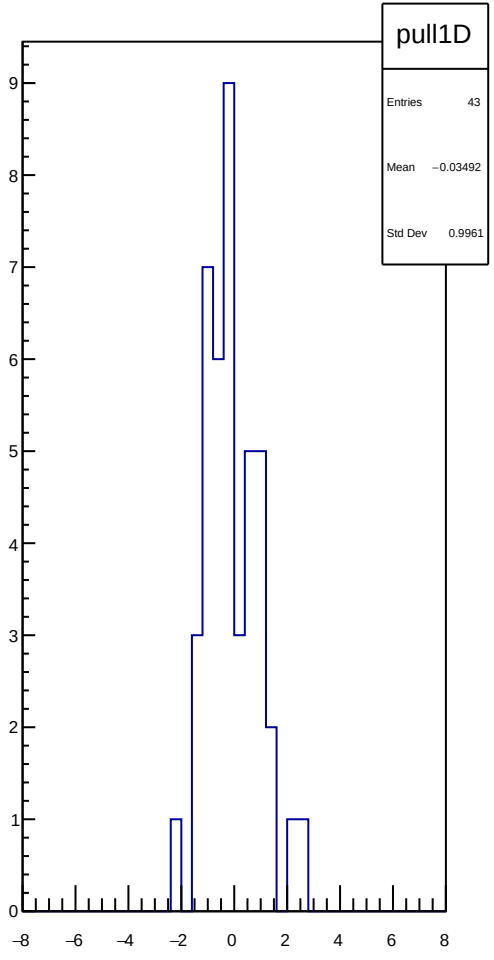
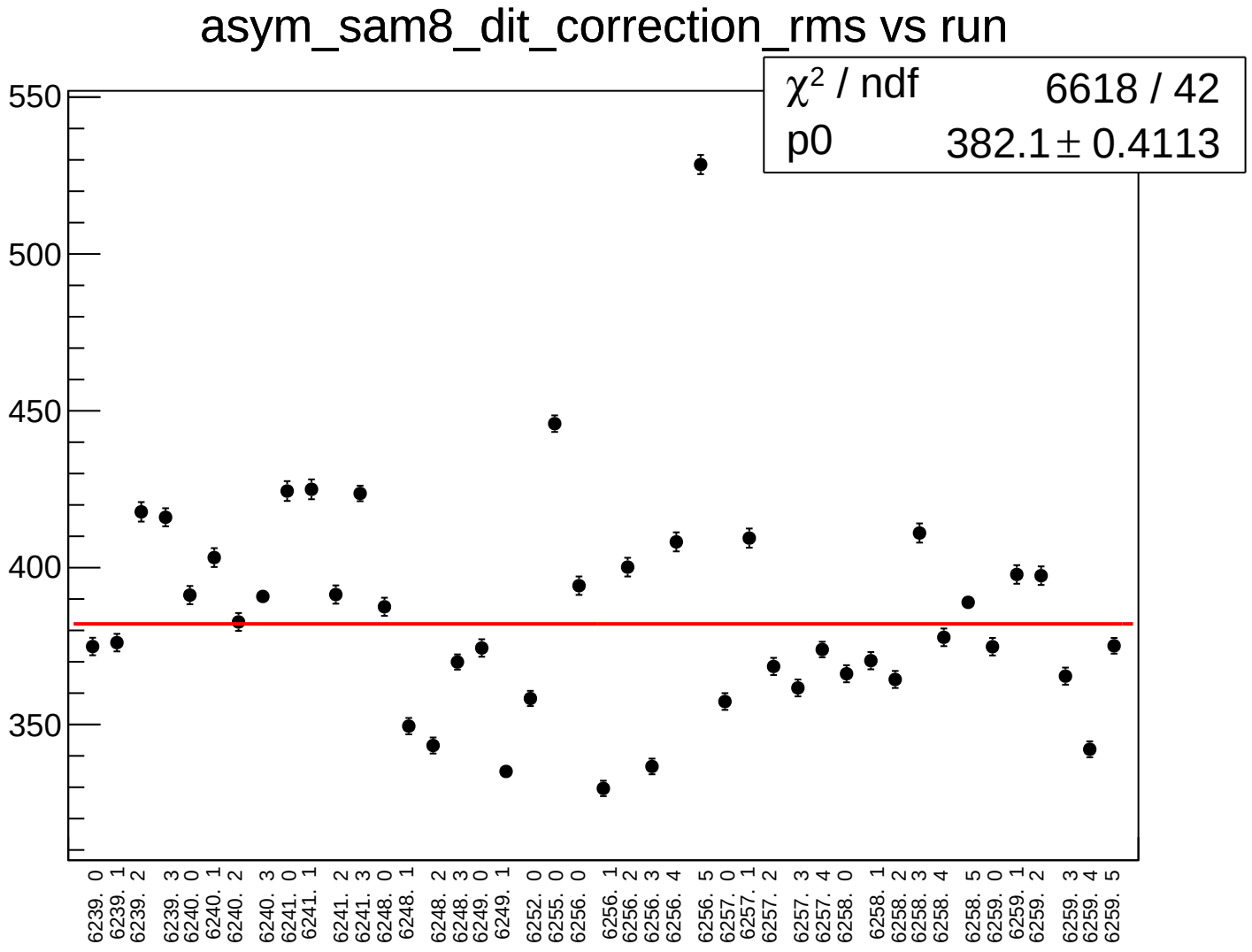
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam8_dit_correction_mean vs run
χ² / ndf 42.72 / 42
p0 −762.3 ± 581.7
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.35
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03492
Std Dev 0.9961
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_dit_correction_rms vs run
χ² / ndf 6618 / 42
p0 382.1 ± 0.4113
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
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6256. 1
6256. 2
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6256. 5
6257. 0
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6257. 4
6258. 0
6258. 1
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6259. 2
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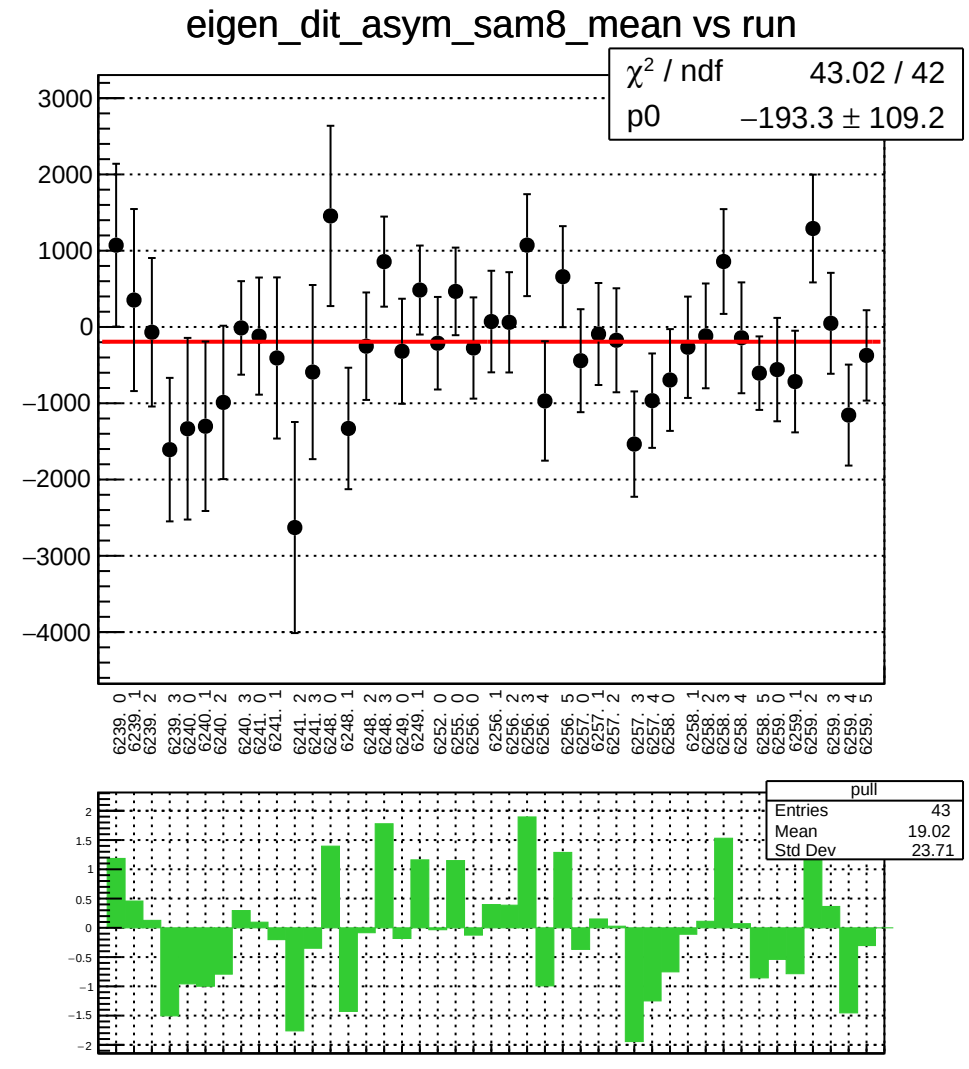
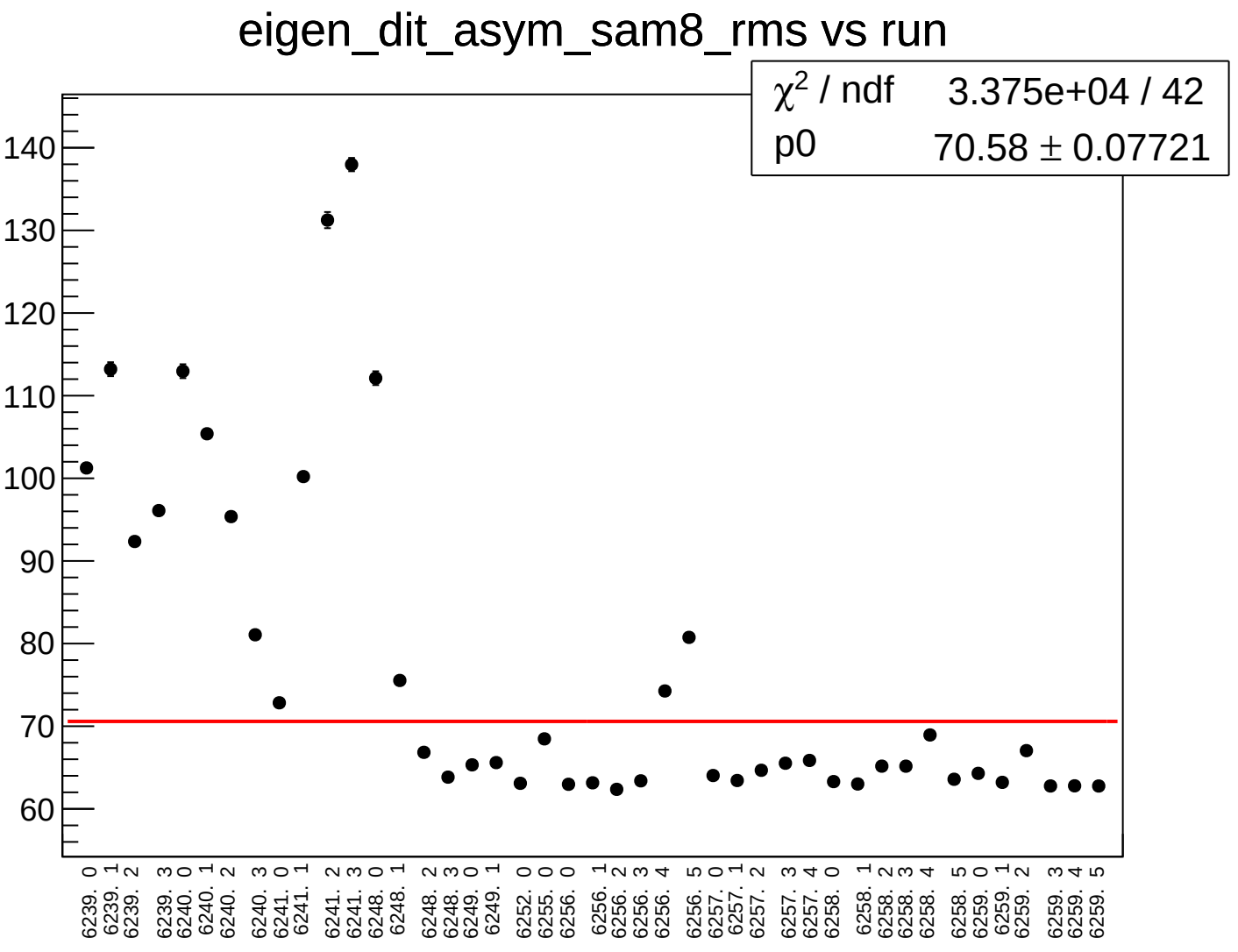
6259. 4
6259. 5


eigen_dit_asym_sam8_mean vs run
χ² / ndf 43.02 / 42
p0 −193.3 ± 109.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.02
Std Dev 23.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04158
Std Dev 0.9994
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam8_rms vs run
$\chi^2$ / ndf 3.375e+04 / 42
p0 70.58 ± 0.07721
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
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6259. 1
6259. 2
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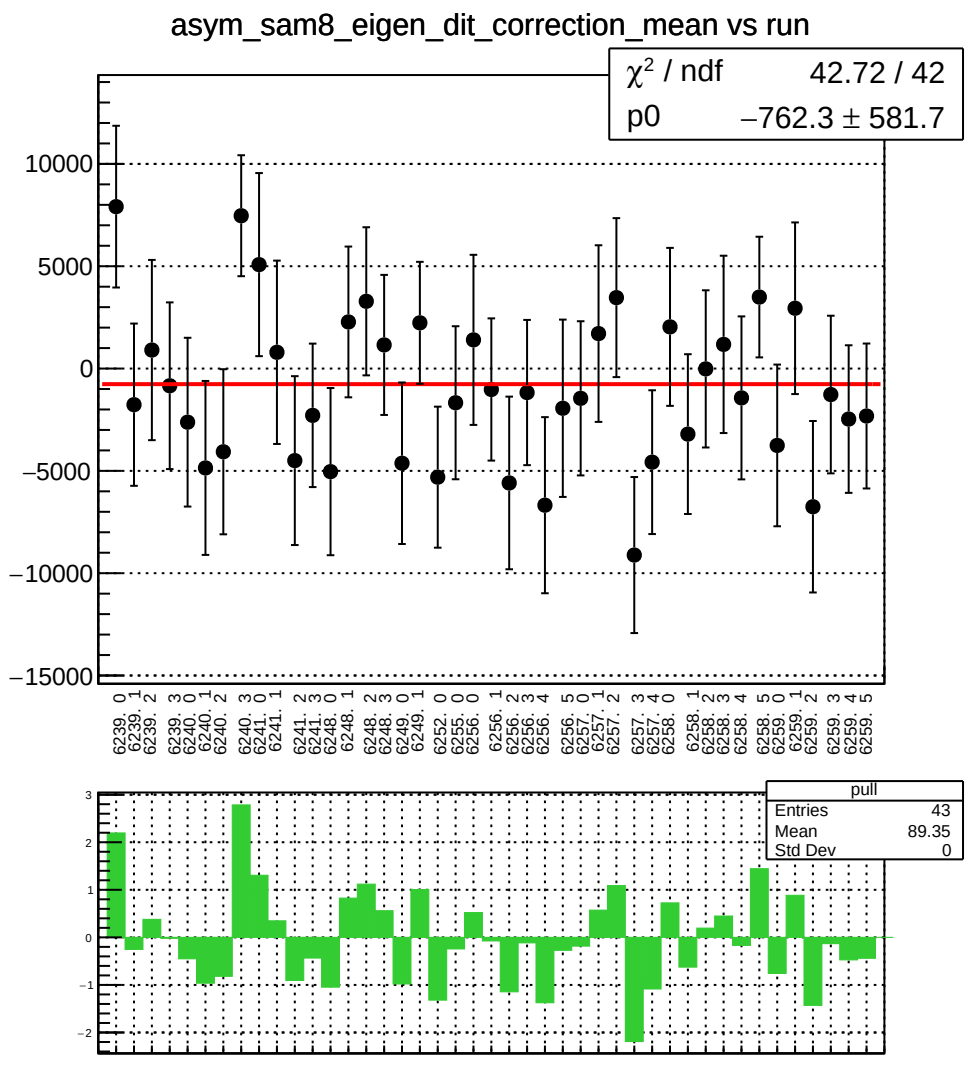
6259. 5


asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 42.72 / 42
p0 −762.3 ± 581.7
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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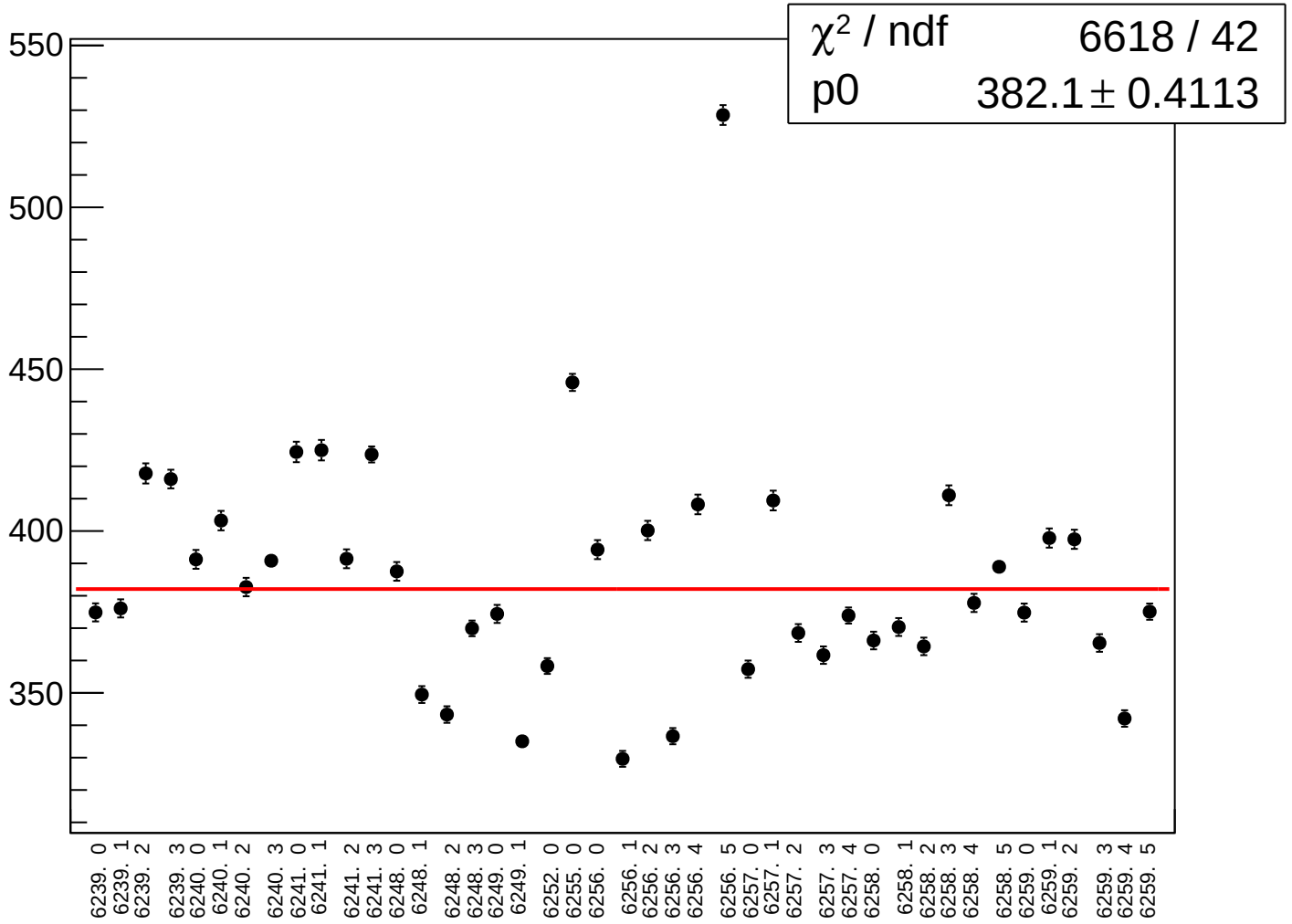
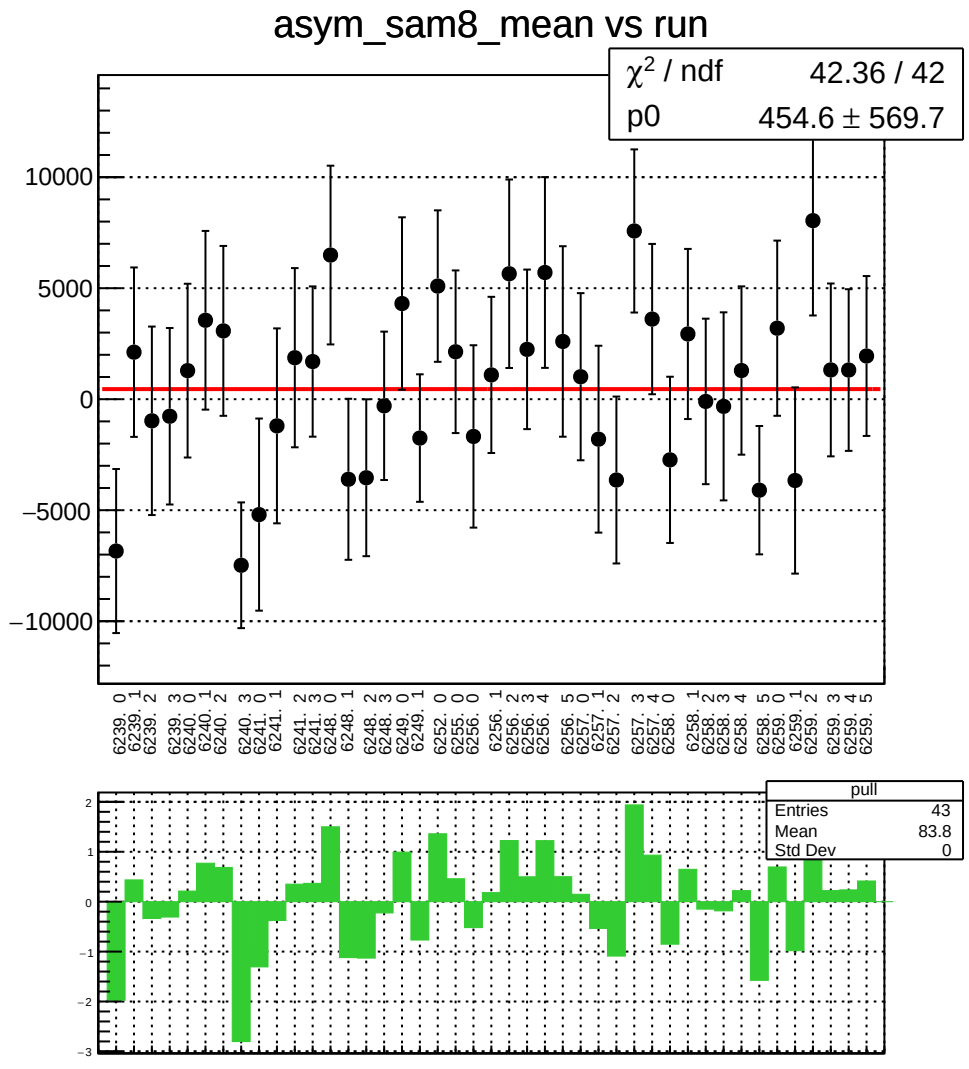
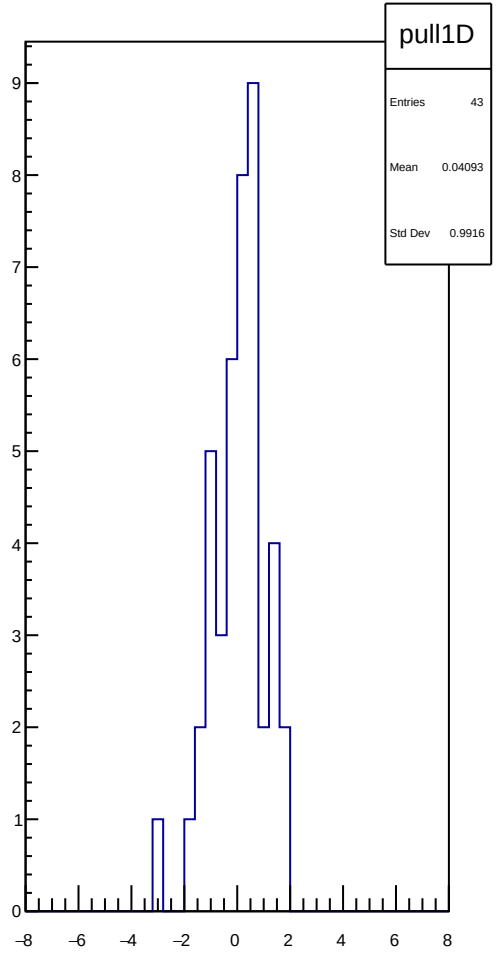
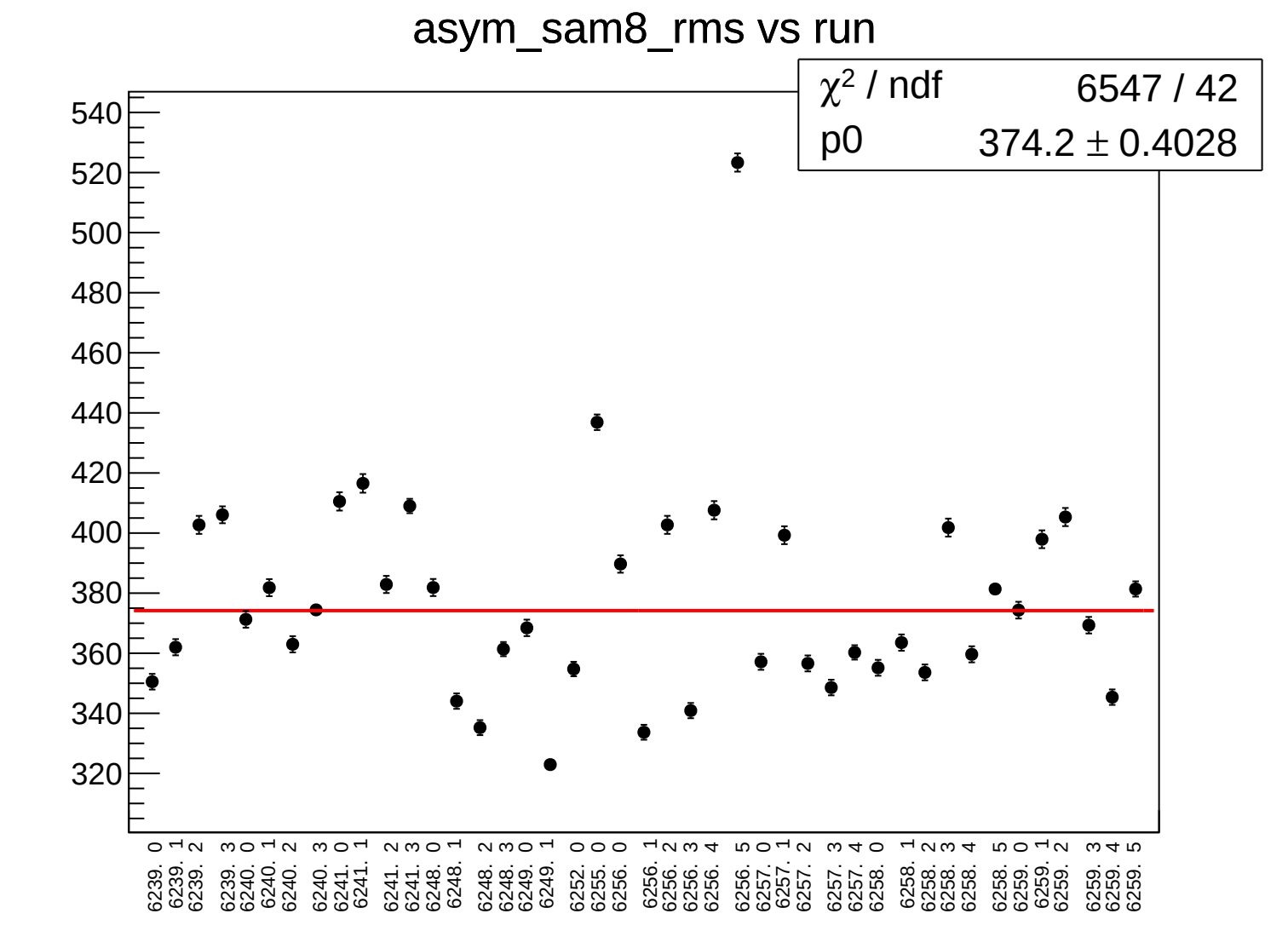
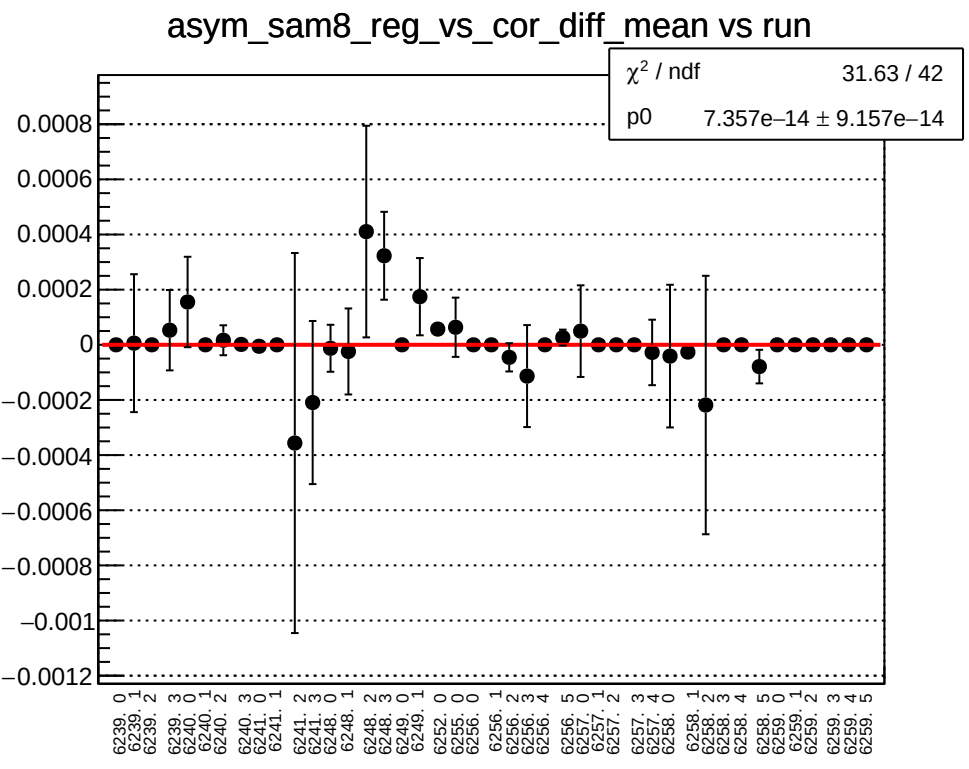
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.35
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03492
Std Dev 0.9961
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

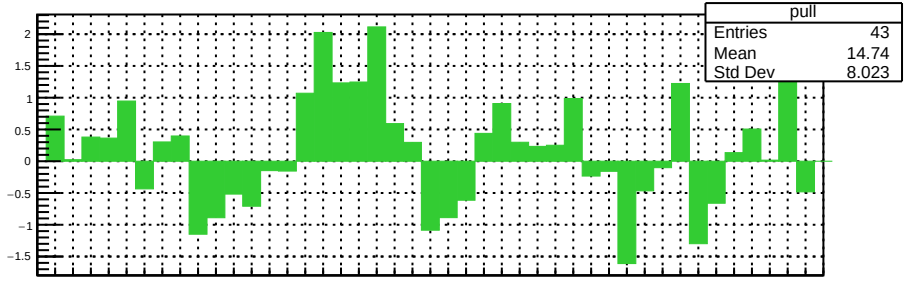

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 6618 / 42
p0 382.1 ± 0.4113
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

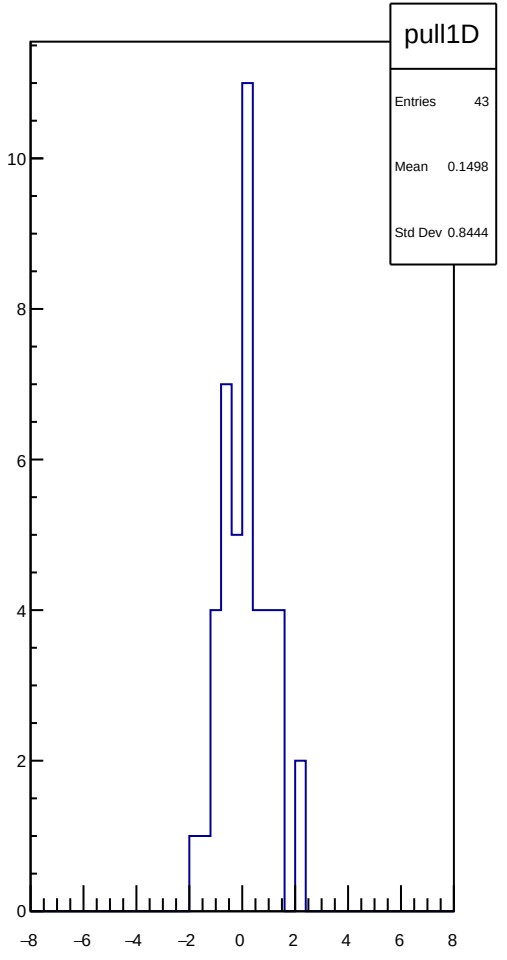

asym_sam8_mean vs run
χ² / ndf 42.36 / 42
p0 454.6 ± 569.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 83.8
Std Dev 0
2
1
0
−1
−2
−3

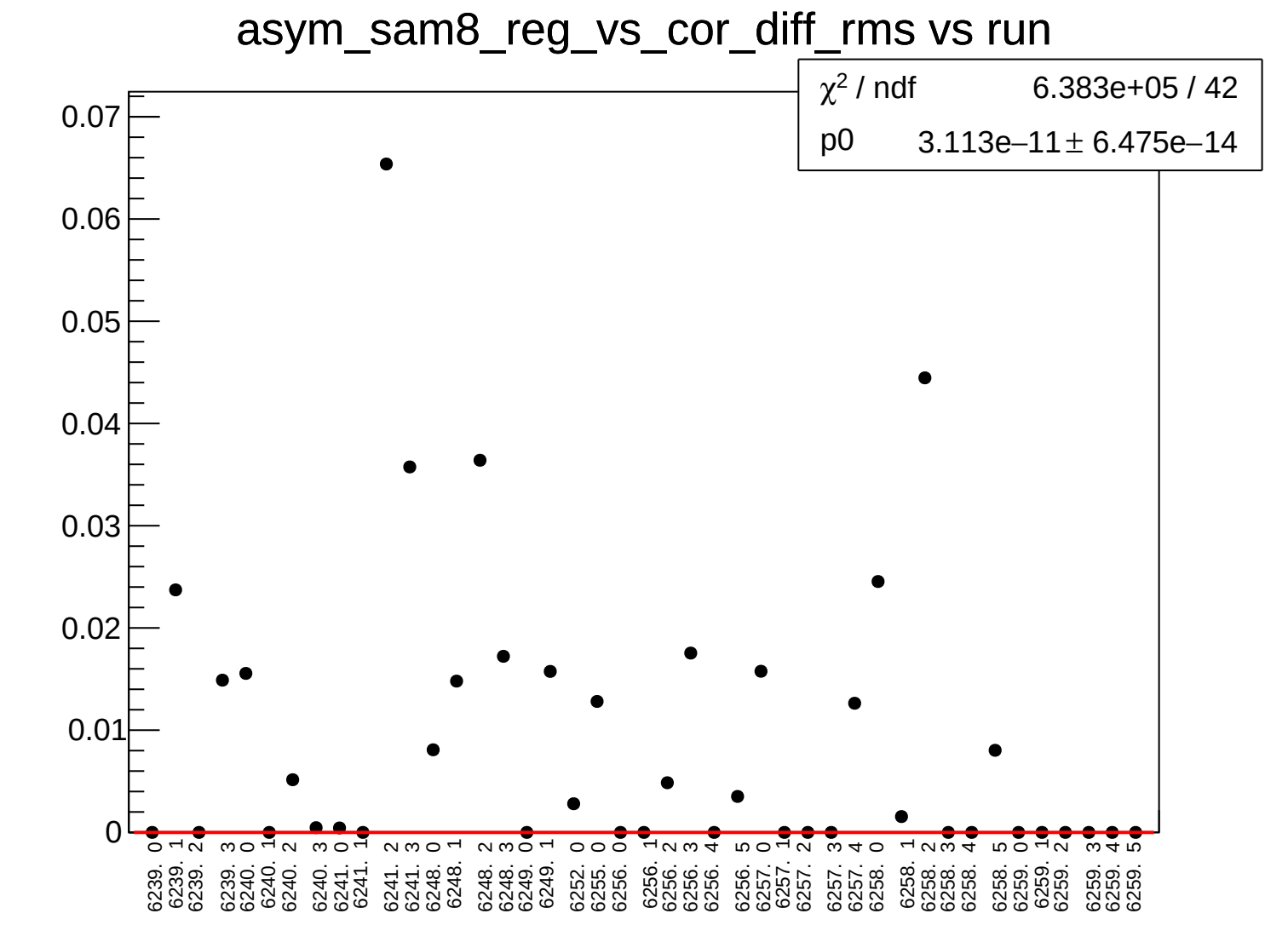

pull1D
Entries 43
Mean 0.04093
Std Dev 0.9916
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

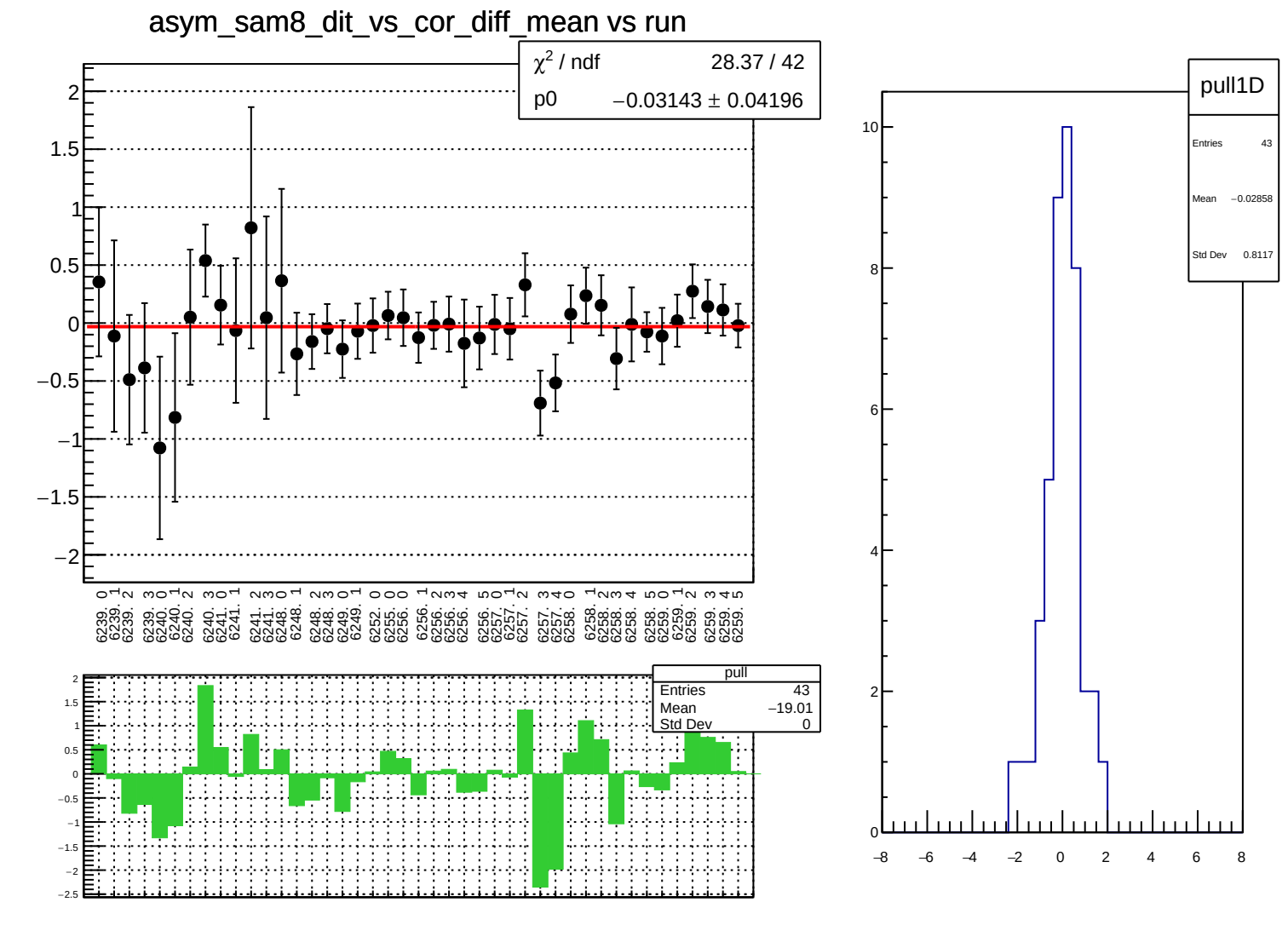

asym_sam8_rms vs run
$\chi^2$ / ndf 6547 / 42
p0 374.2 ± 0.4028
540
520
500
480
460
440
420
400
380
360
340
320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

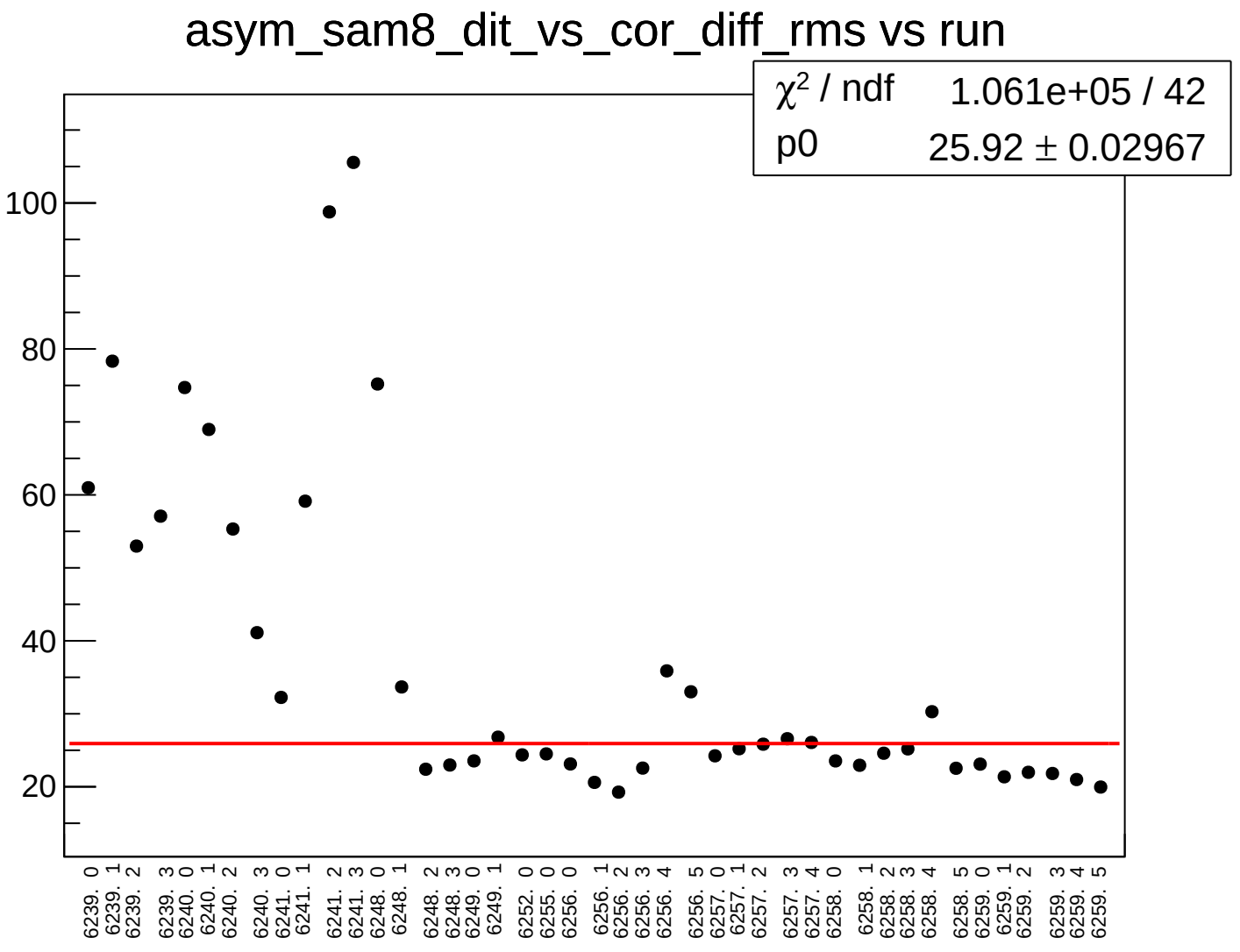

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 31.63 / 42
p0 7.357e−14 ± 9.157e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

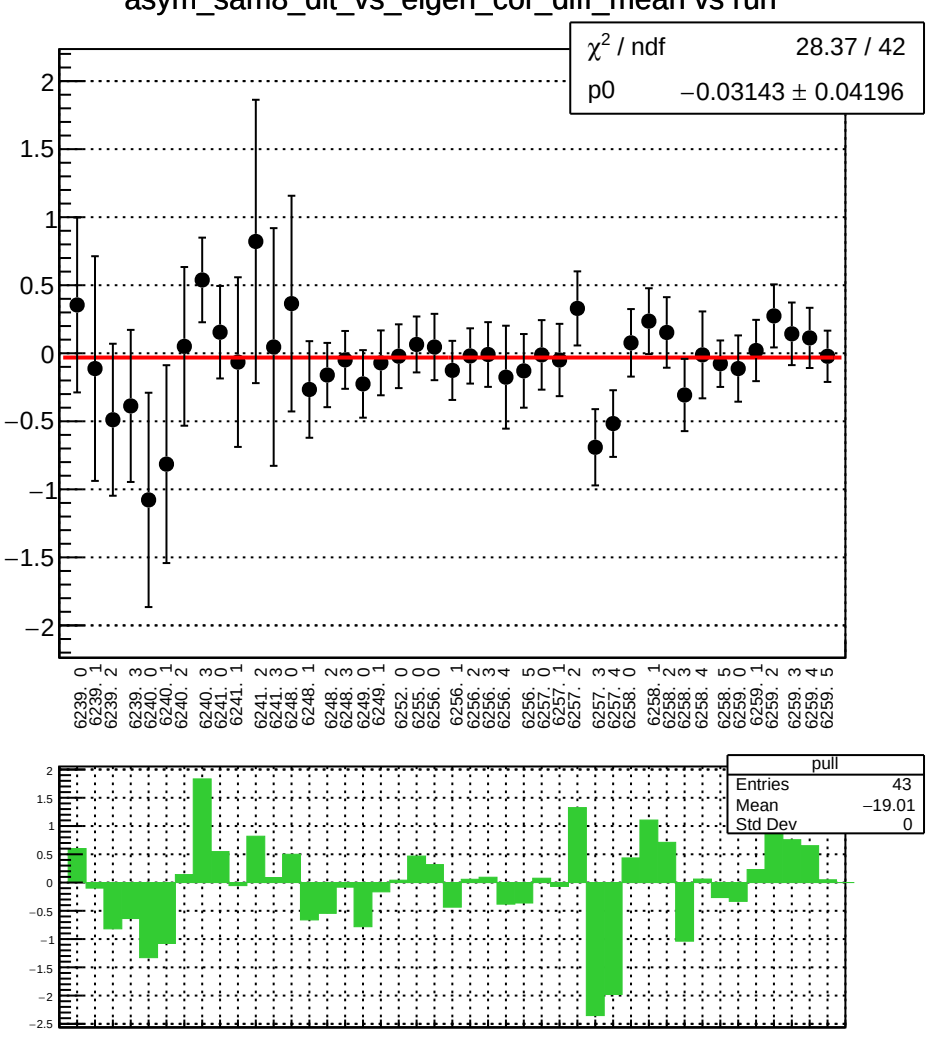

pull
Entries 43
Mean 14.74
Std Dev 8.023
2
1.5
1
0.5
0
−0.5
−1
−1.5

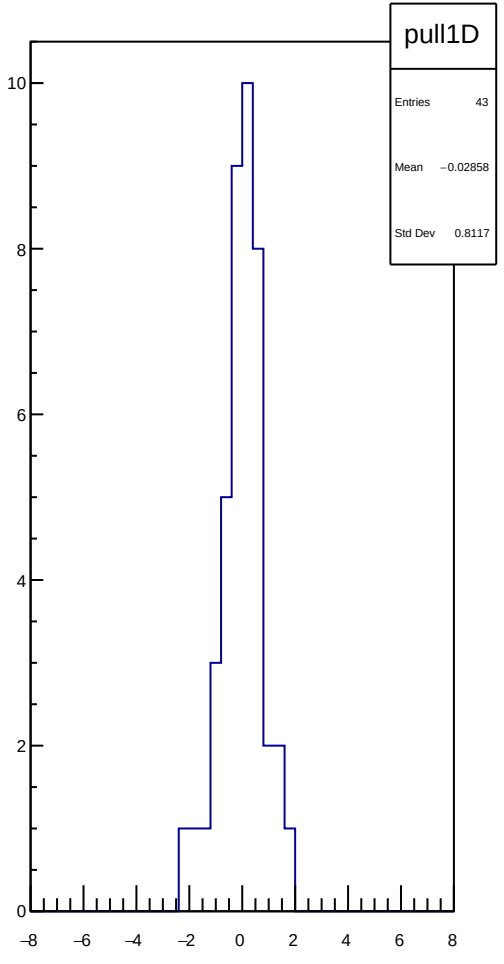

pull1D
Entries 43
Mean 0.1498
Std Dev 0.8444
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

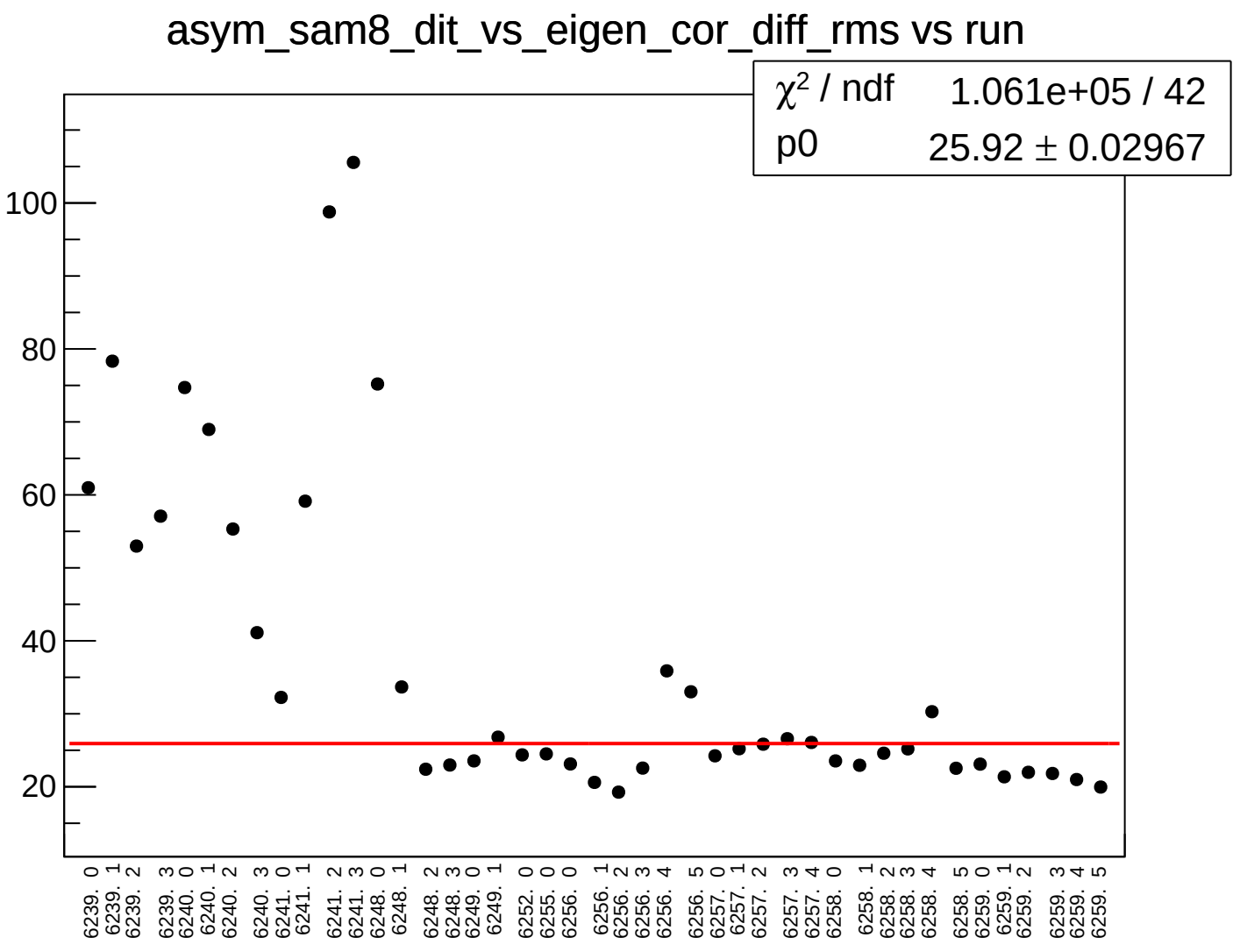

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 6.383e+05 / 42
p0 3.113e−11 ± 6.475e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

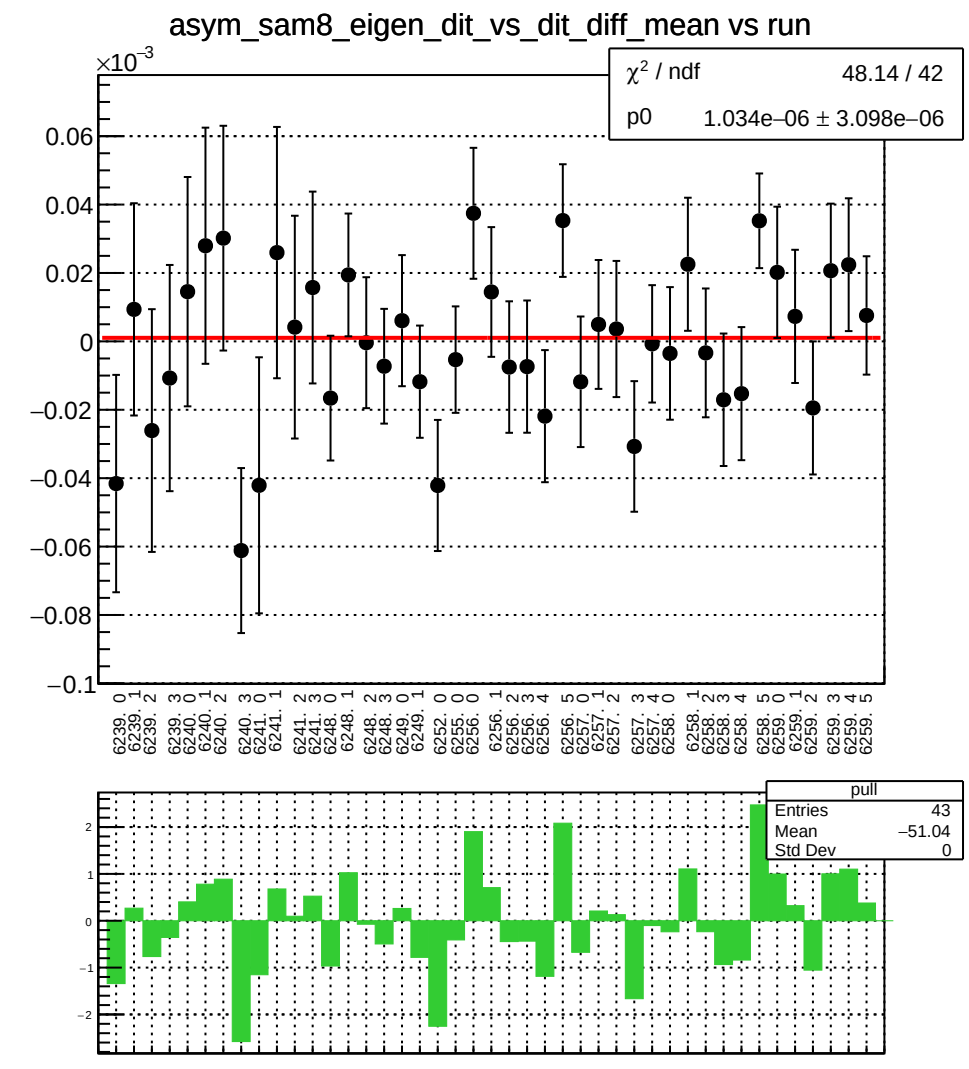

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 28.37 / 42
p0 −0.03143 ± 0.04196
pull
Entries 43
Mean −19.01
Std Dev 0
pull1D
Entries 43
Mean −0.02858
Std Dev 0.8117

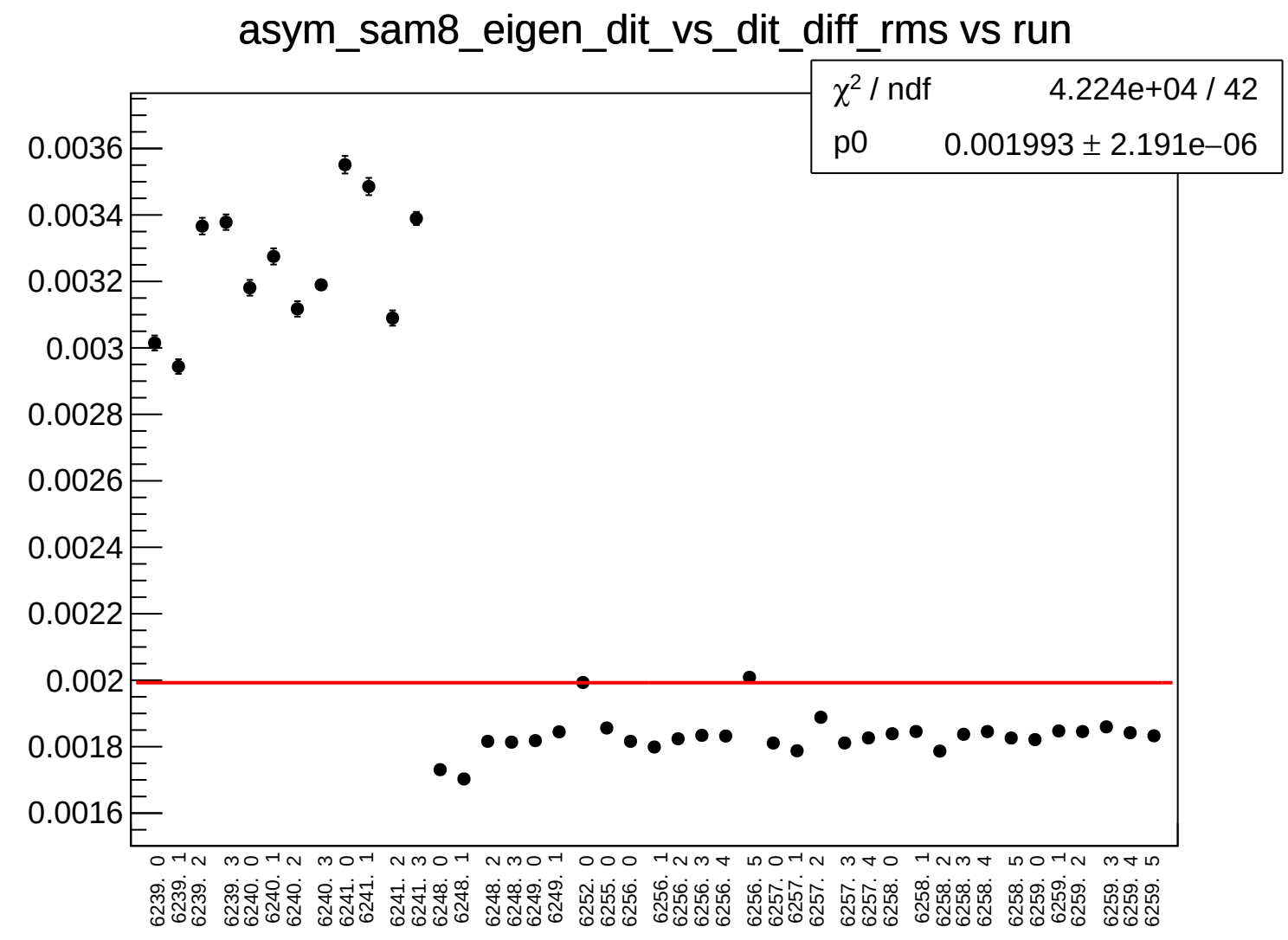

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 42
p0 25.92 ± 0.02967
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

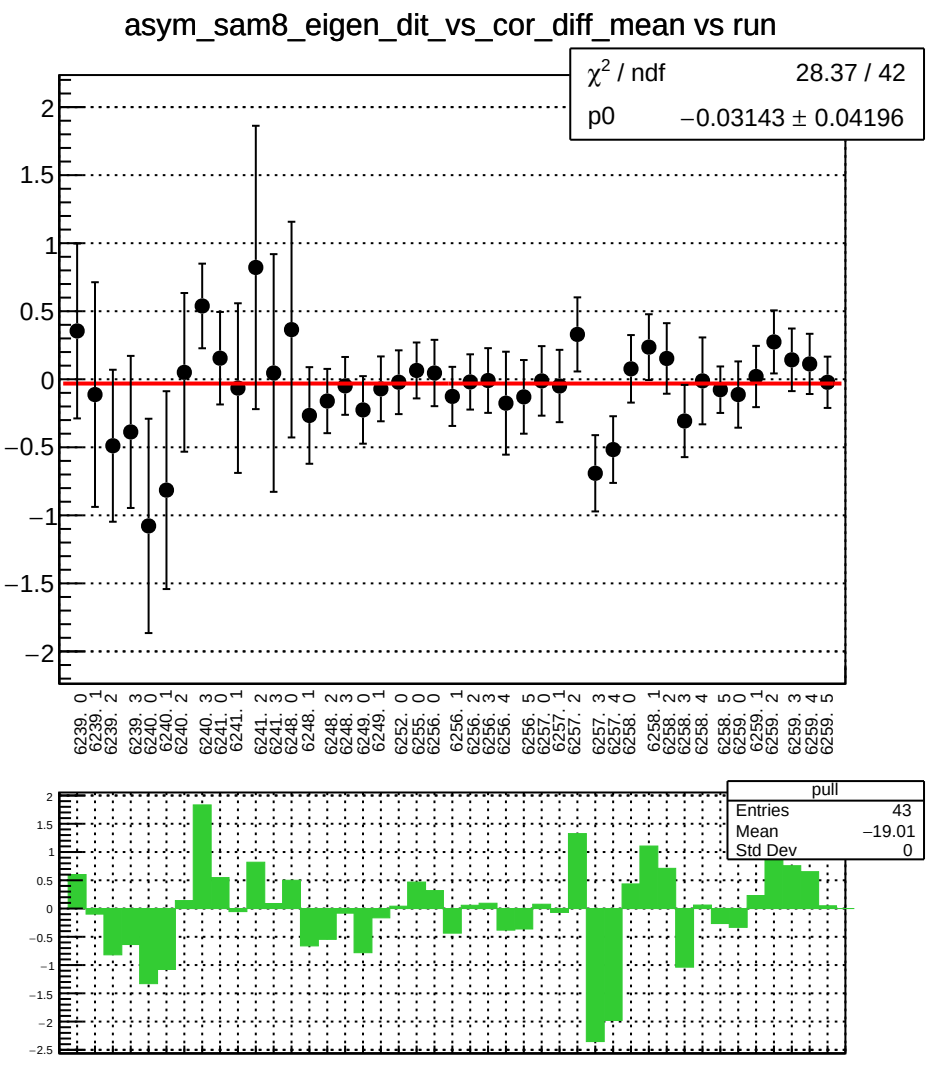

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.37 / 42
p0 −0.03143 ± 0.04196
pull
Entries 43
Mean −19.01
Std Dev 0

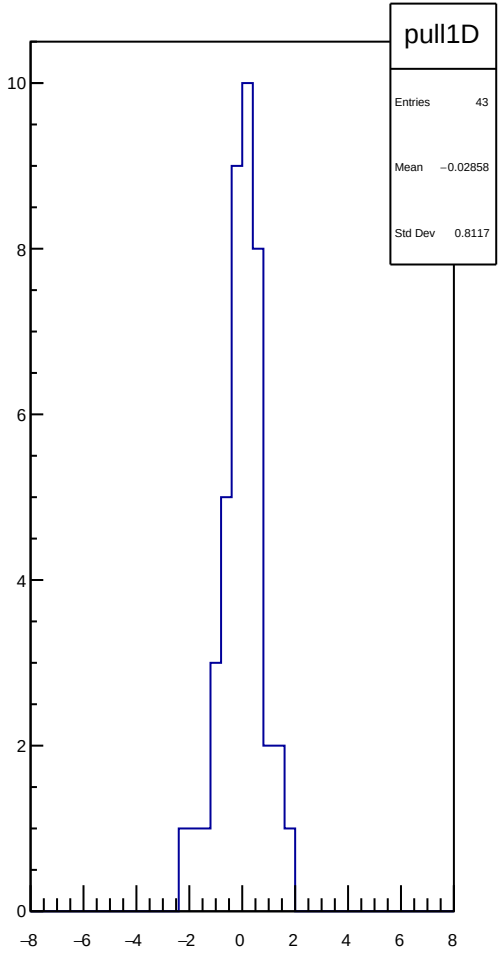

pull1D
Entries 43
Mean −0.02858
Std Dev 0.8117

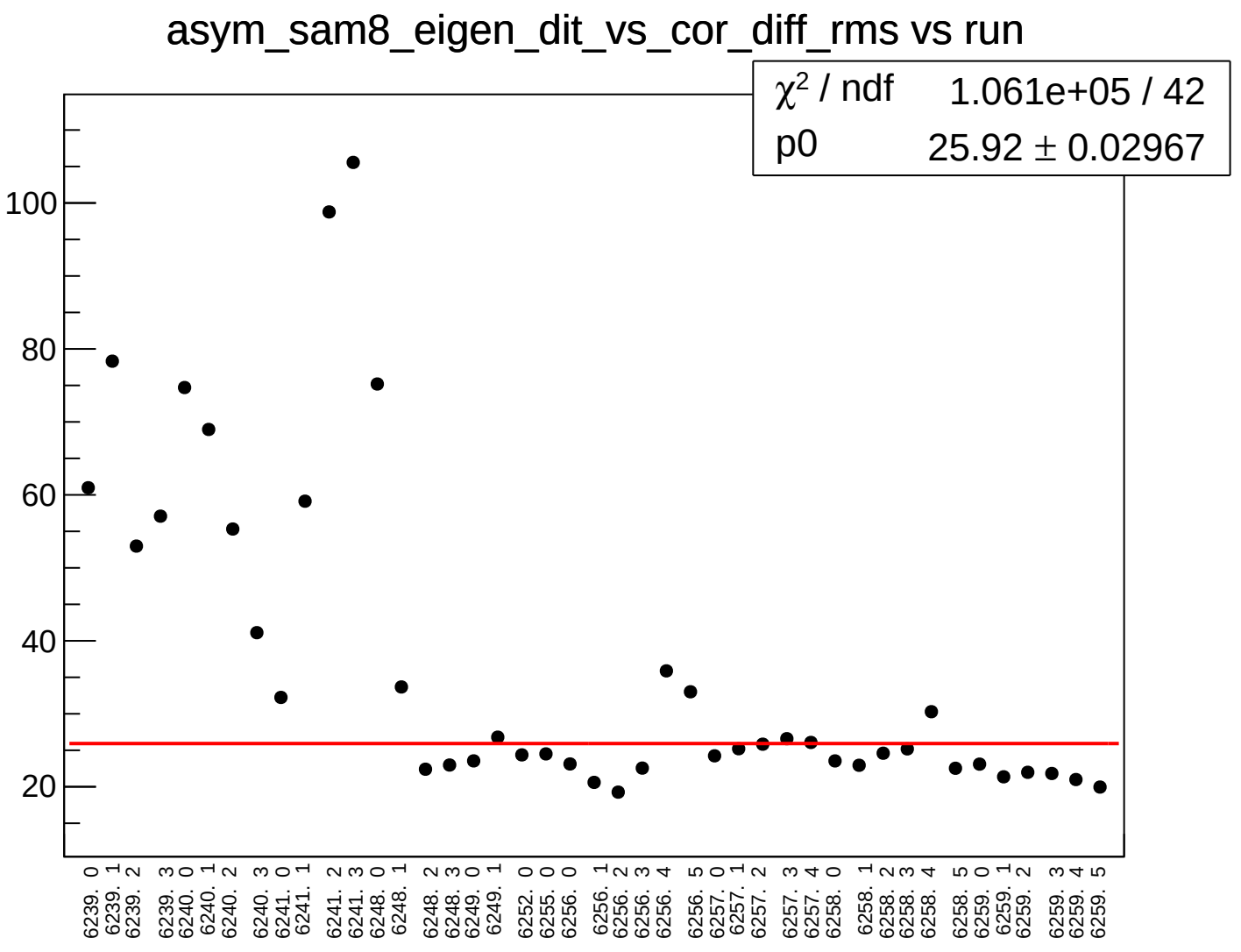

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 42
p0 25.92 ± 0.02967
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

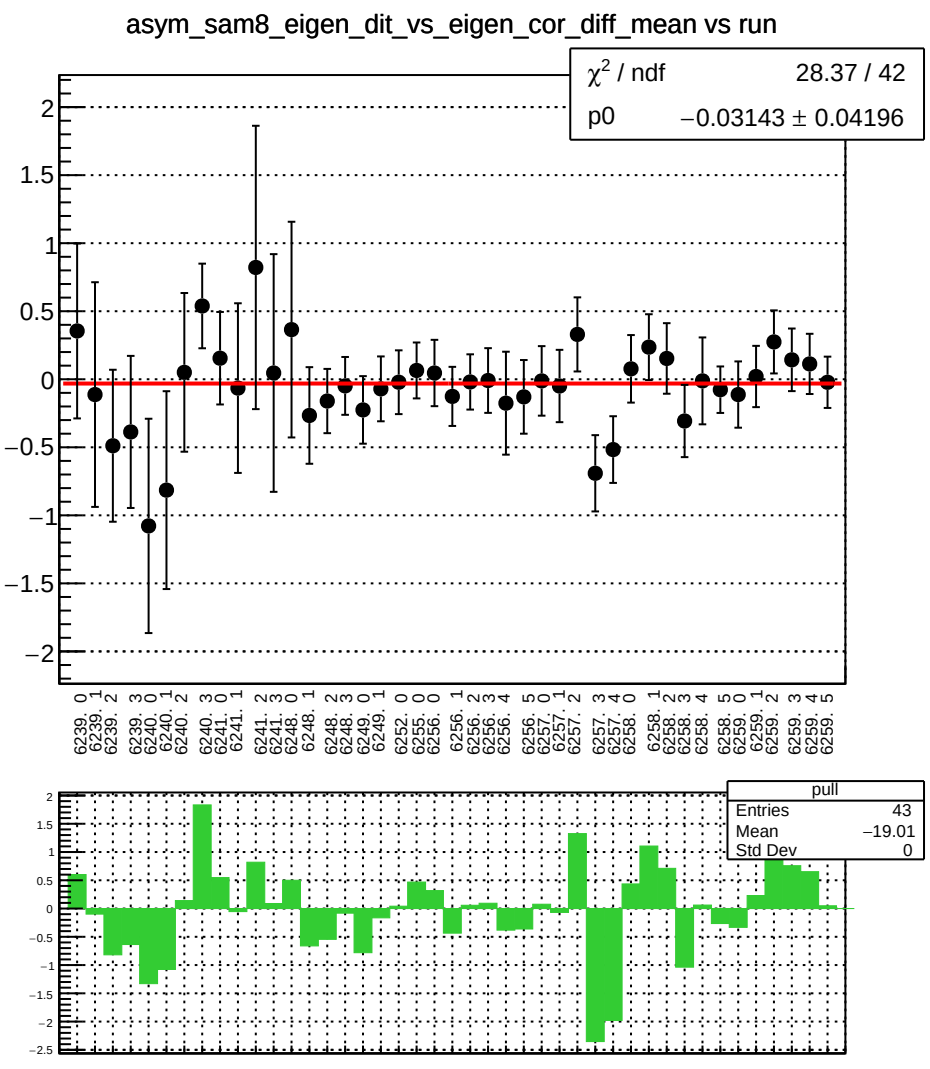

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.14 / 42
p0 1.034e−06 ± 3.098e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −51.04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03811
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

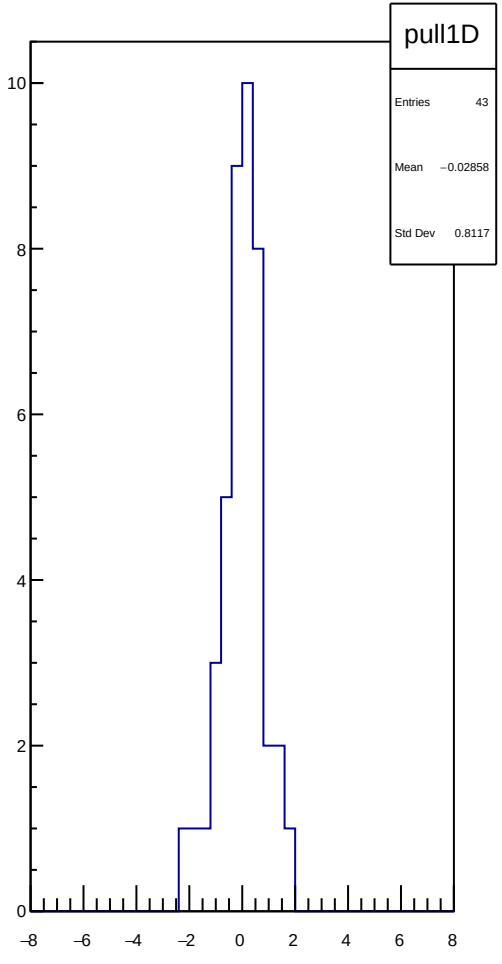

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.224e+04 / 42
p0 0.001993 ± 2.191e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

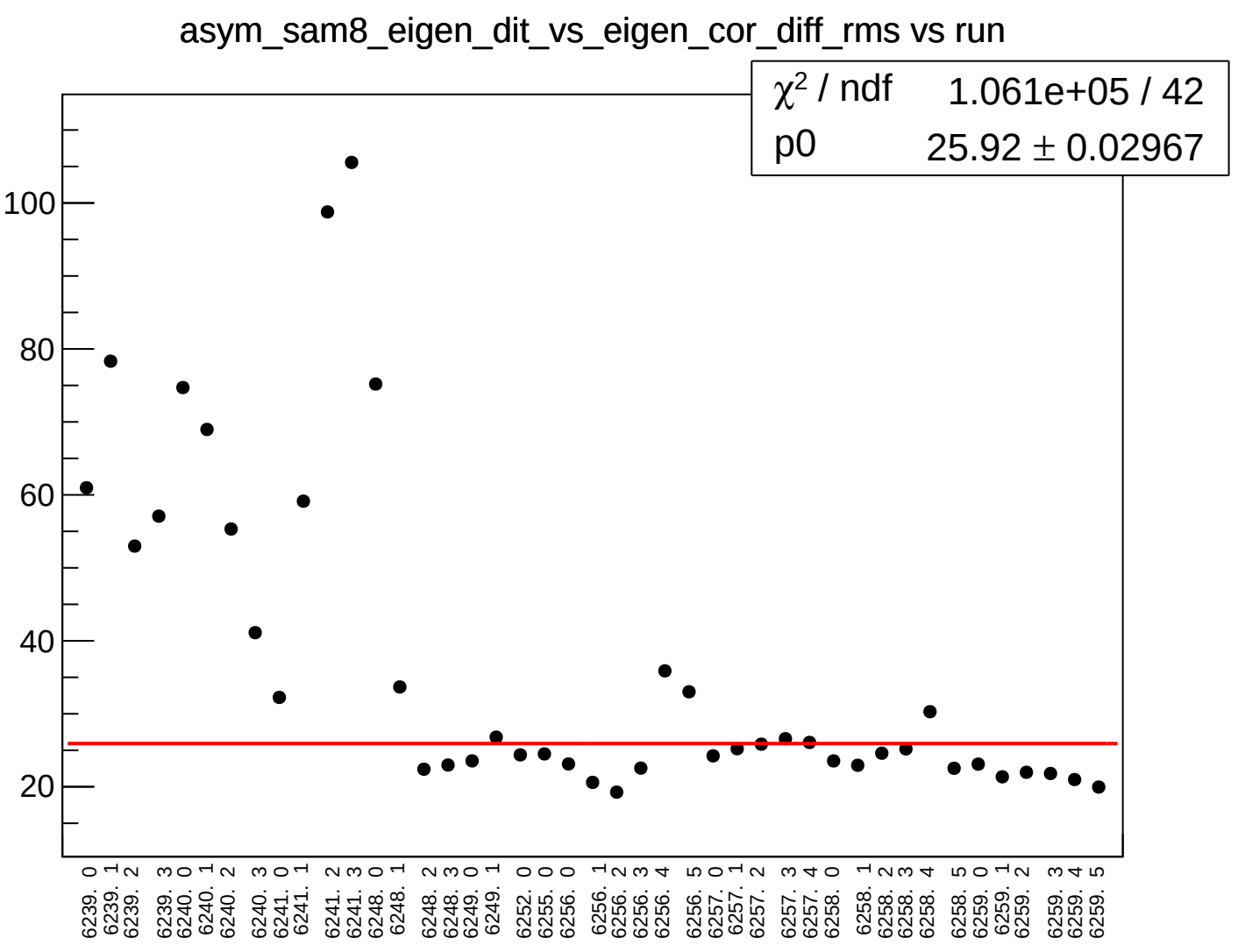

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.37 / 42
p0 −0.03143 ± 0.04196
pull
Entries 43
Mean −19.01
Std Dev 0

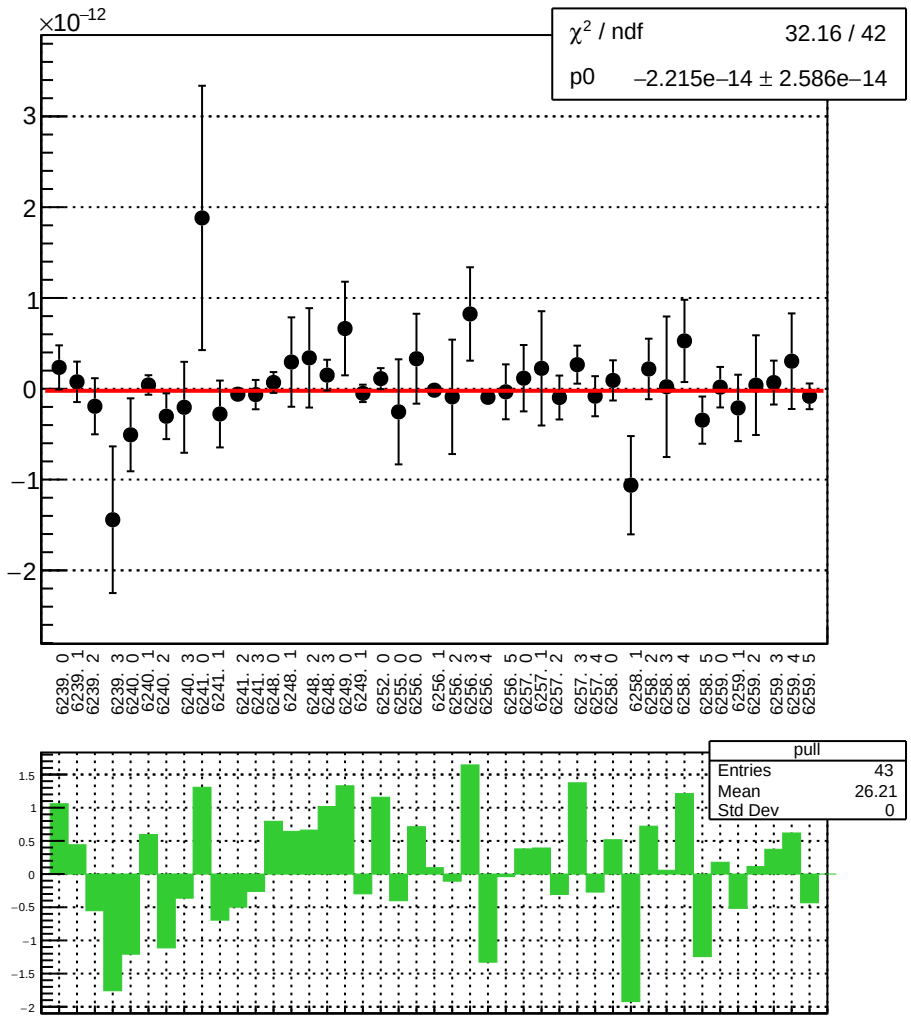

pull1D
Entries 43
Mean −0.02858
Std Dev 0.8117

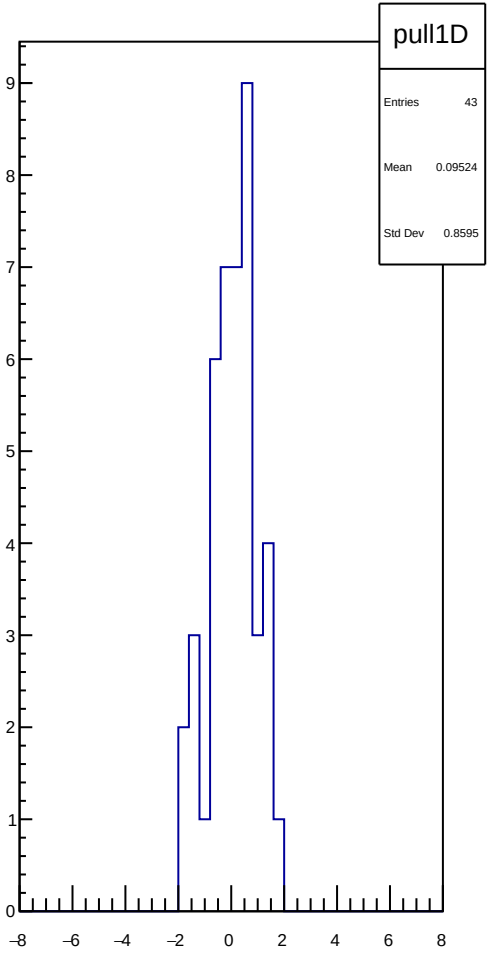

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 42
p0 25.92 ± 0.02967
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

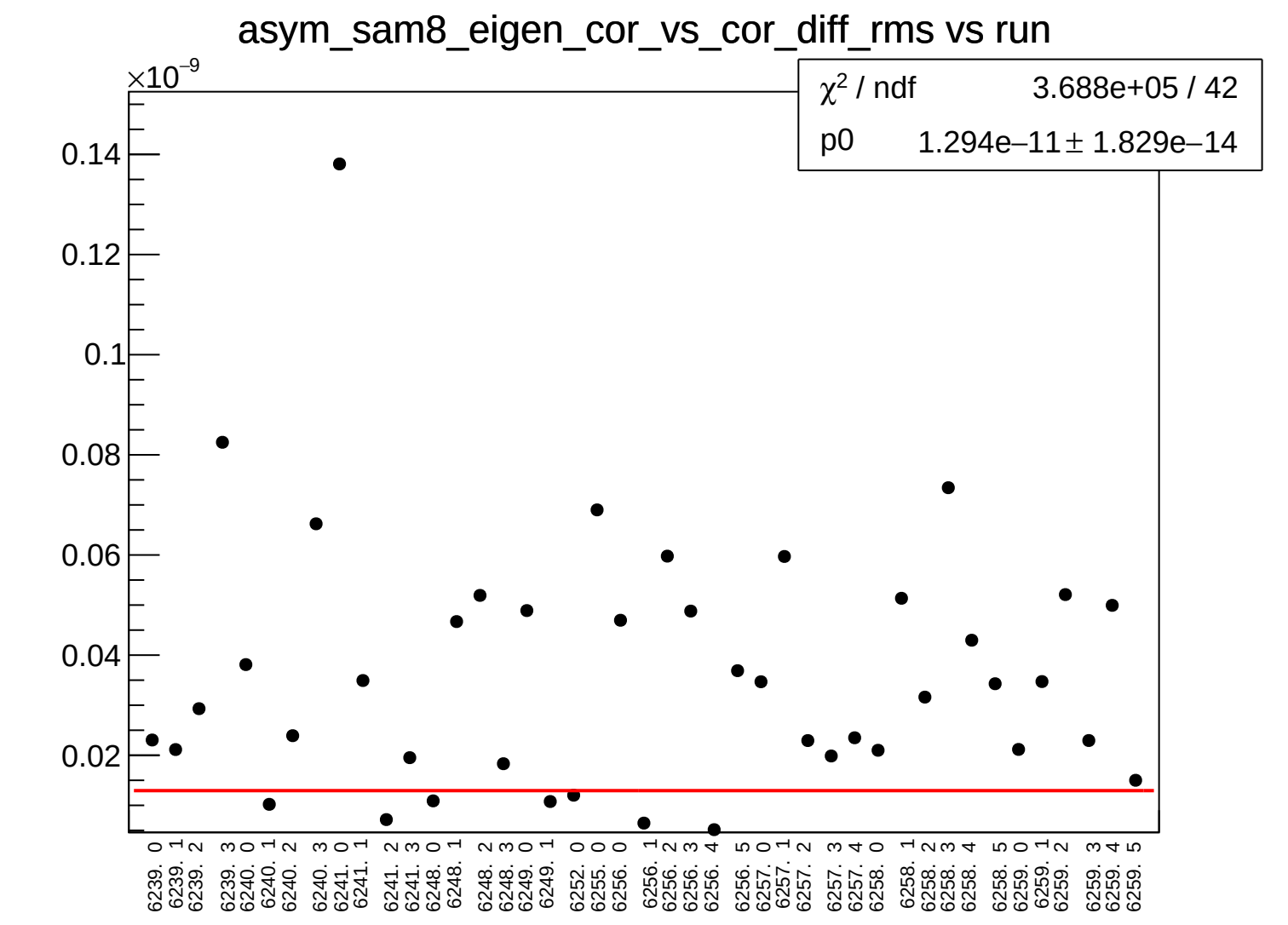

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.37 / 42
p0 −0.03143 ± 0.04196
pull
Entries 43
Mean −19.01
Std Dev 0

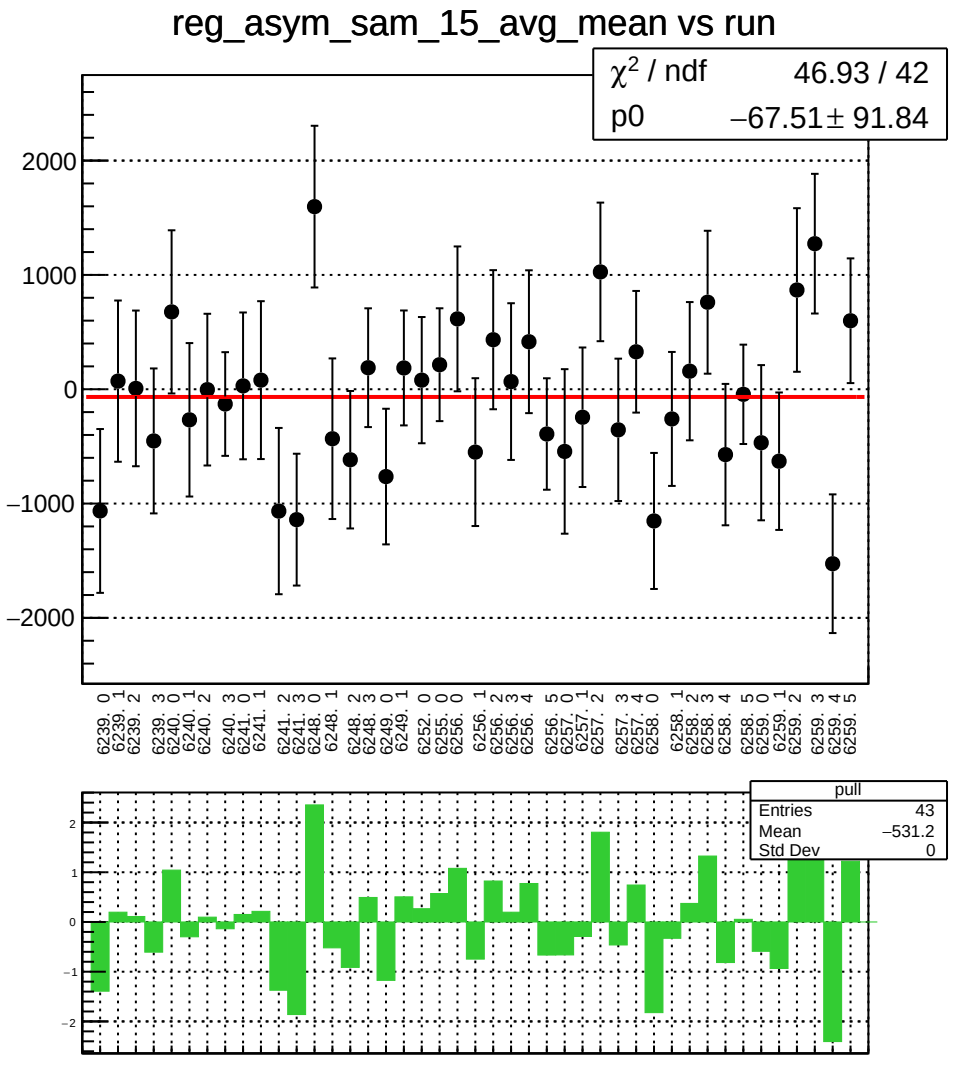

pull1D
Entries 43
Mean −0.02858
Std Dev 0.8117

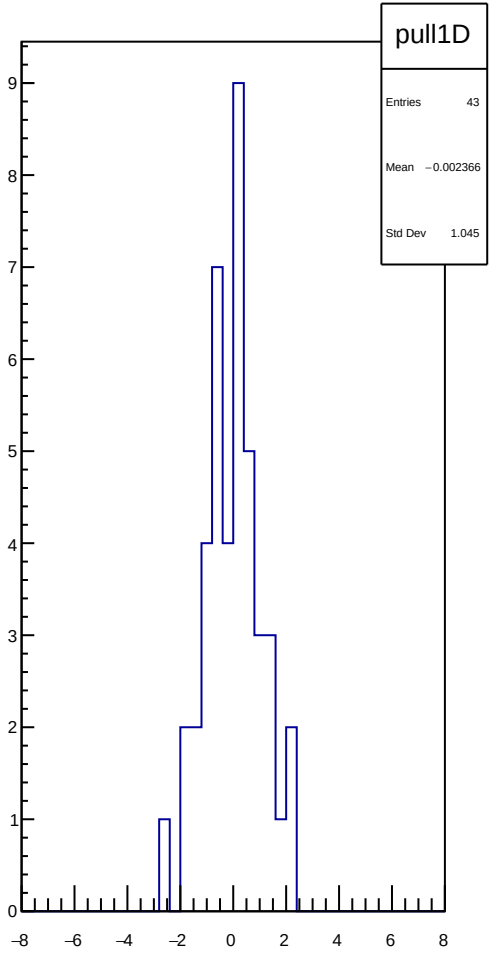

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 42
p0 25.92 ± 0.02967
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

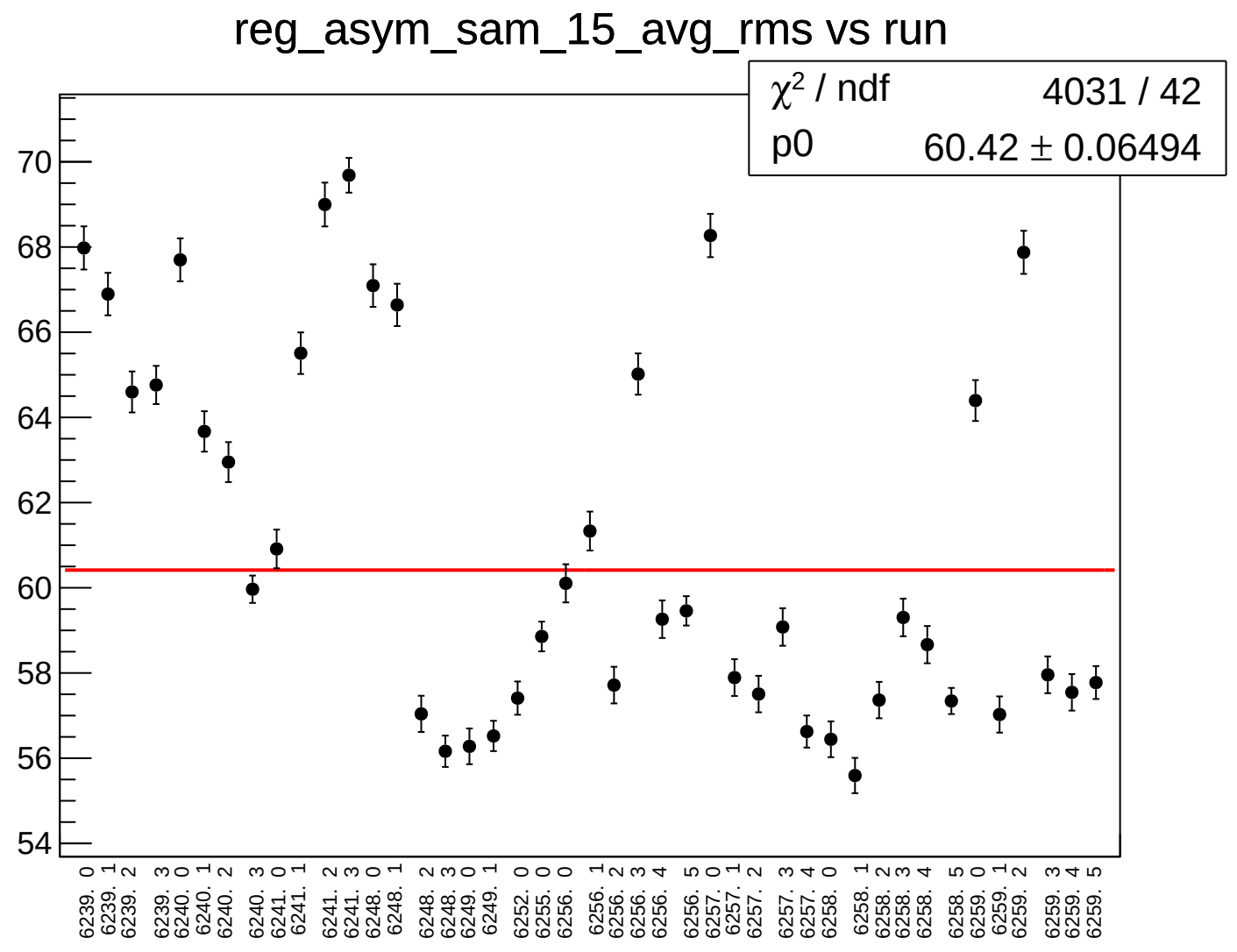

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.16 / 42
p0 −2.215e−14 ± 2.586e−14
3
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 26.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

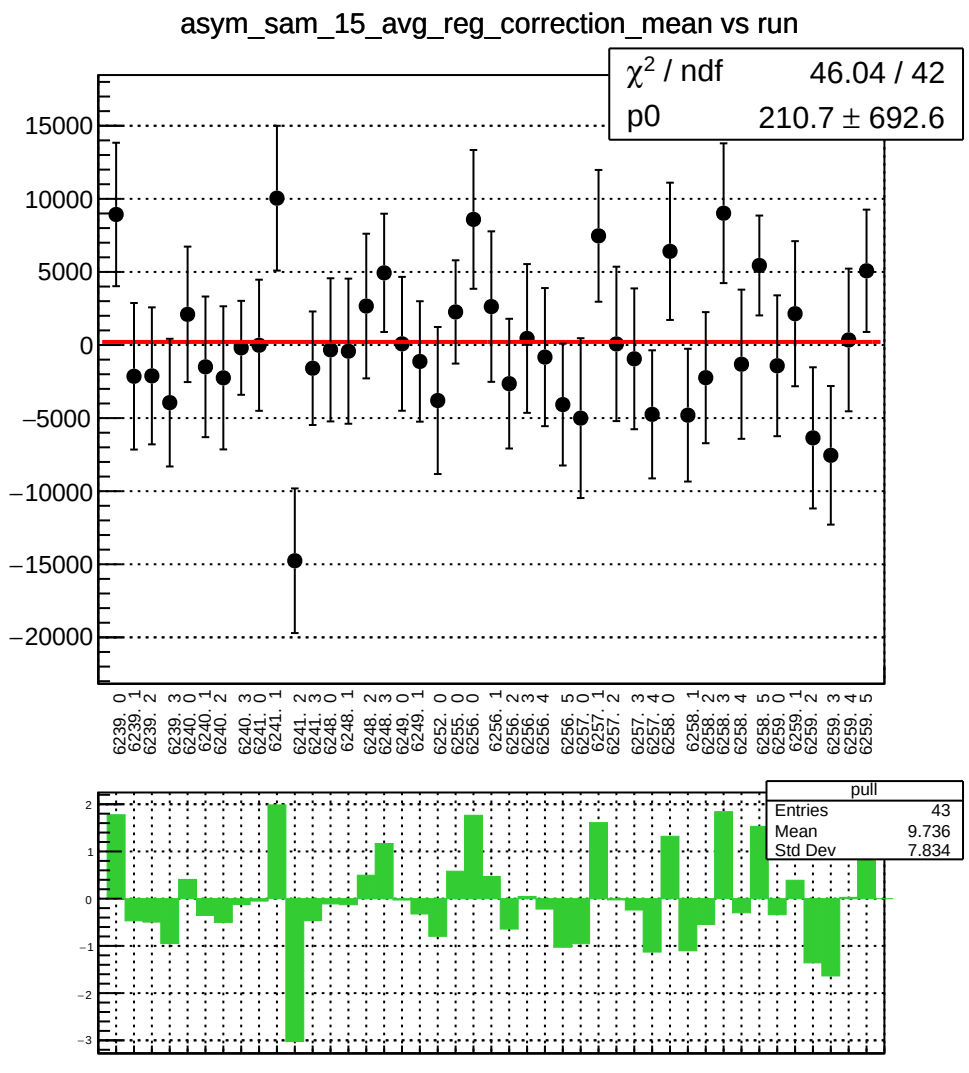

pull1D
Entries 43
Mean 0.09524
Std Dev 0.8595
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

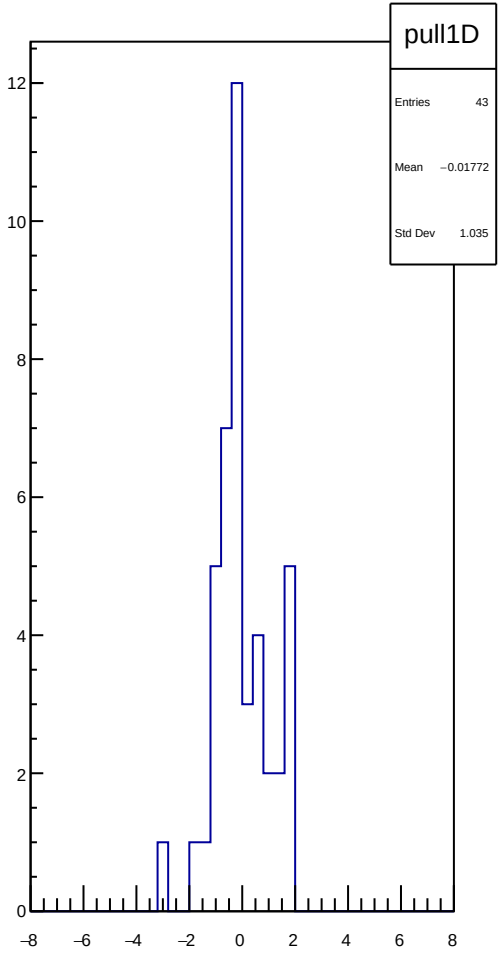

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.688e+05 / 42
p0 1.294e−11 ± 1.829e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

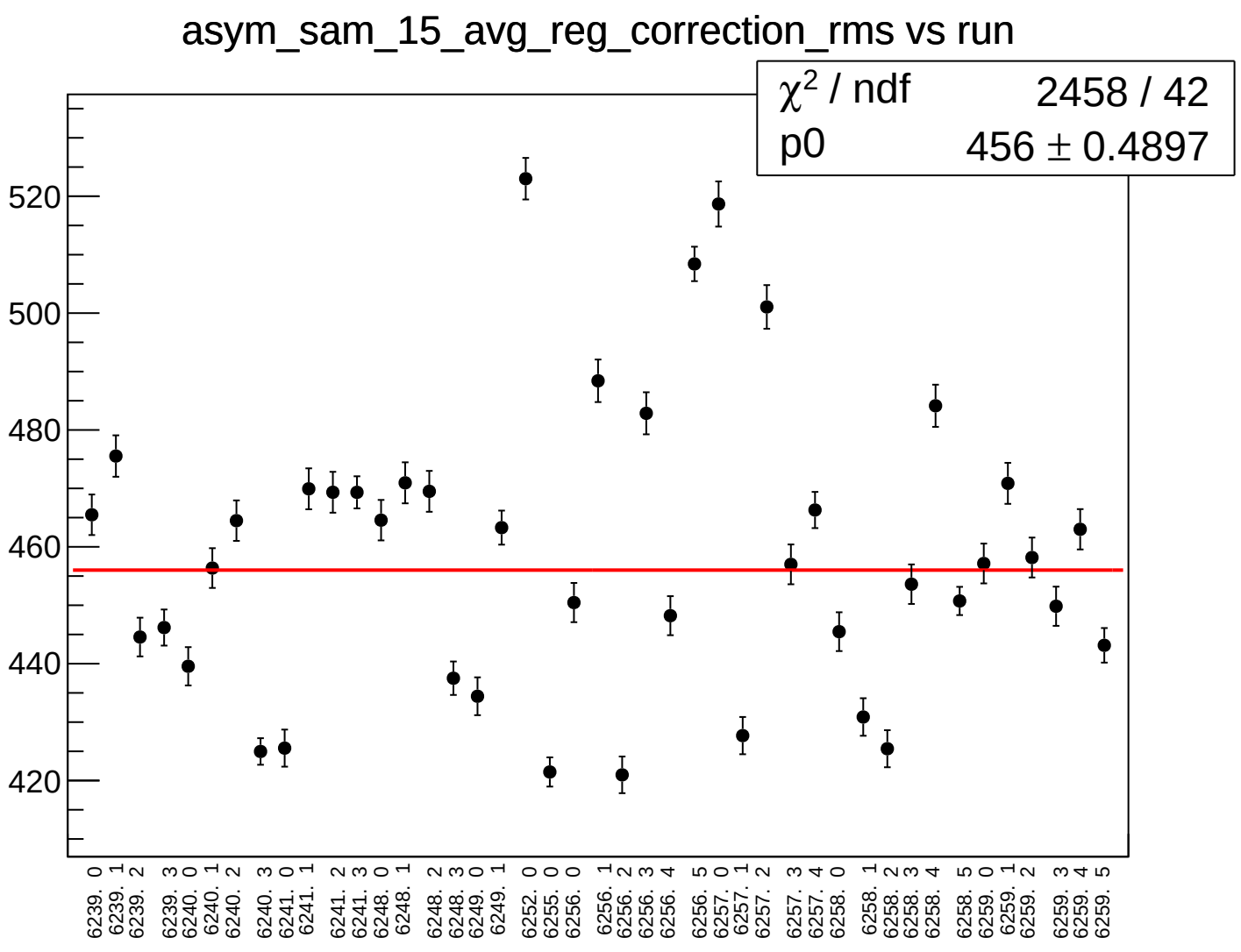

reg_asym_sam_15_avg_mean vs run
χ² / ndf 46.93 / 42
p0 −67.51 ± 91.84
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −531.2
Std Dev 0
2
1
0
−1
−2

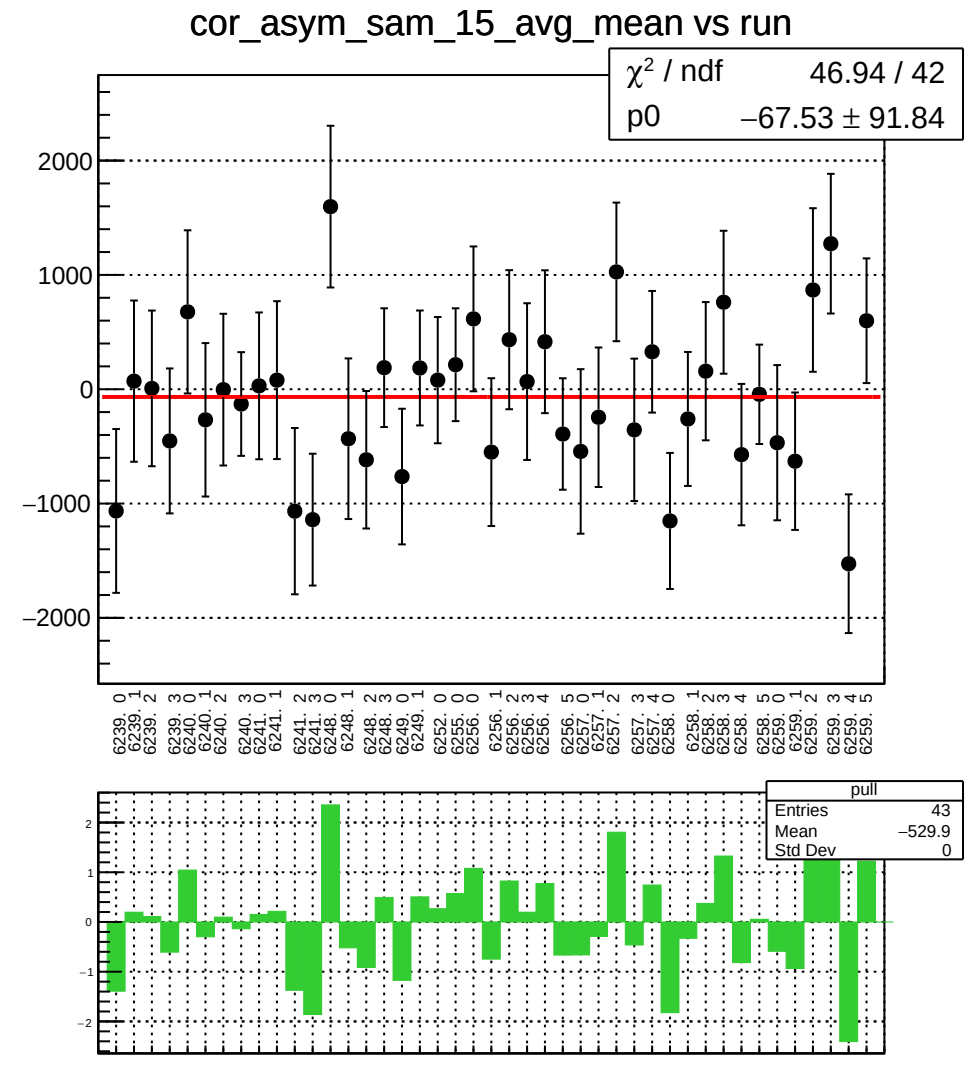

pull1D
Entries 43
Mean −0.002366
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

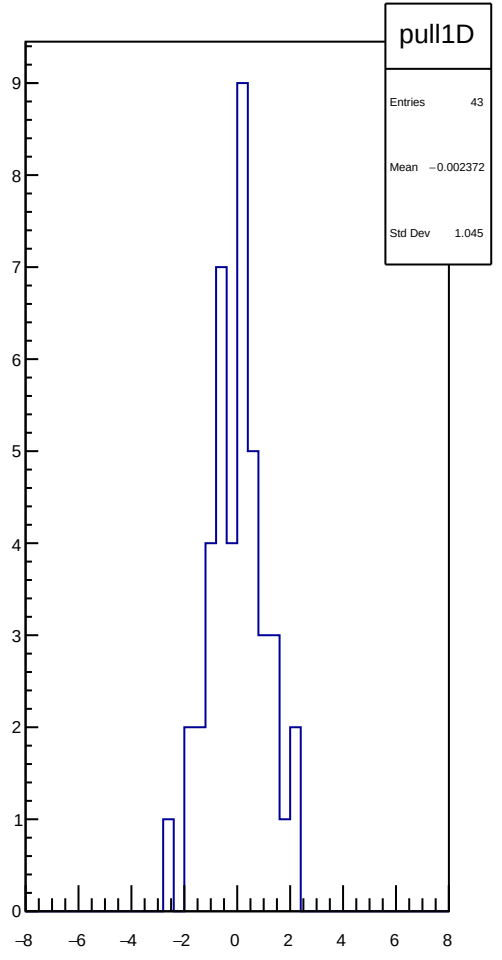

reg_asym_sam_15_avg_rms vs run
χ² / ndf 4031 / 42
p0 60.42 ± 0.06494
70
68
66
64
62
60
58
56
54
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

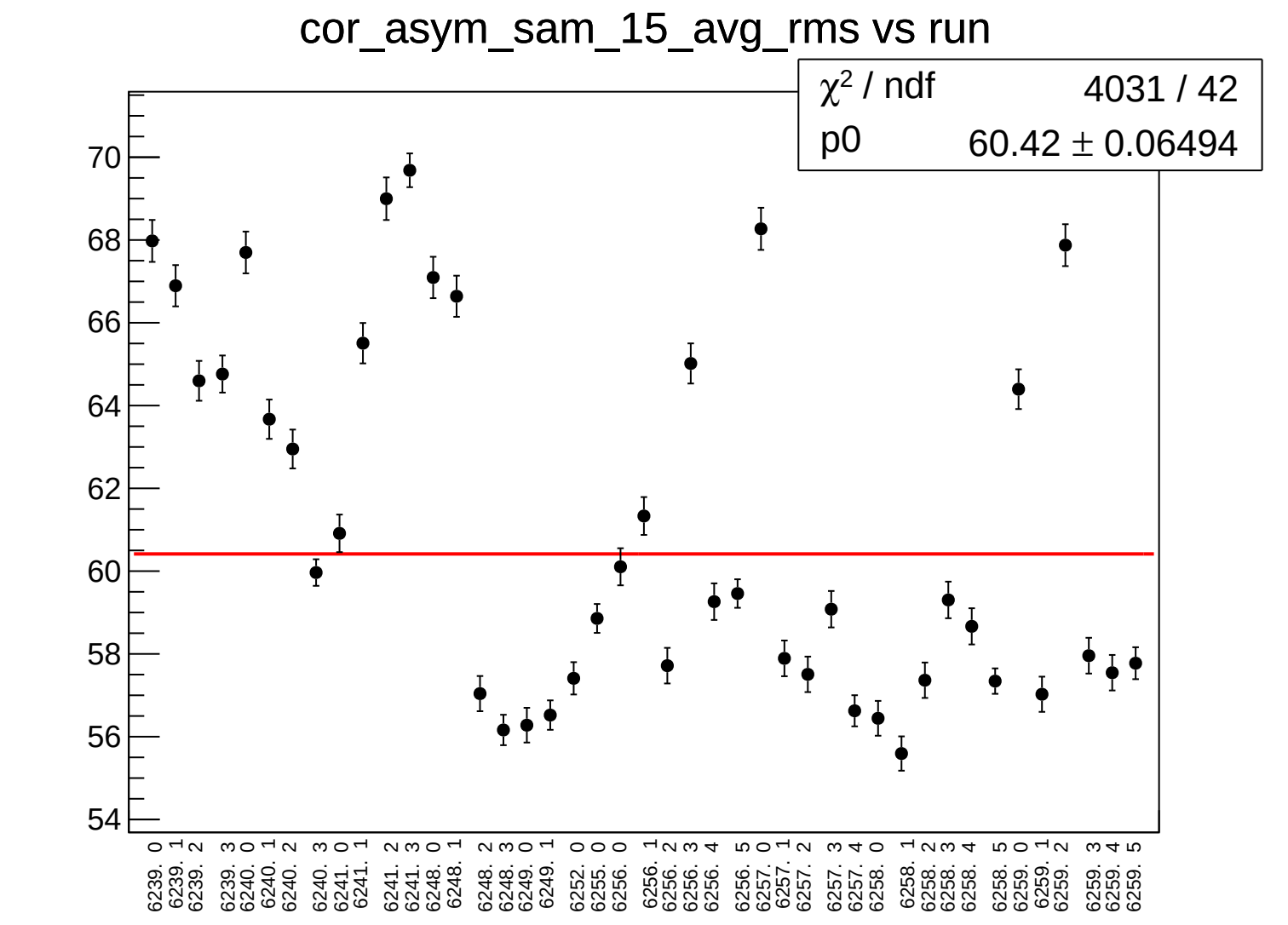

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 46.04 / 42
p0 210.7 ± 692.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.736
Std Dev 7.834
2
1
0
−1
−2
−3

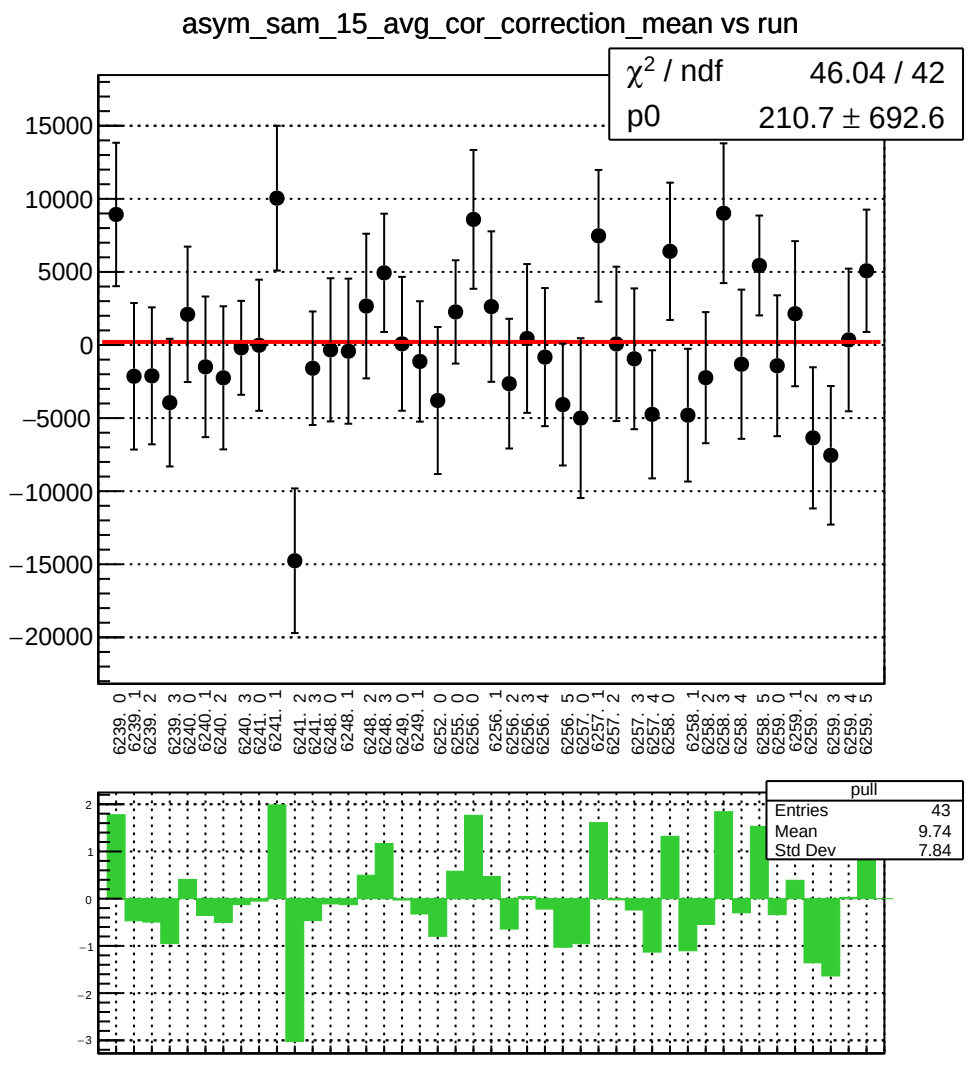

pull1D
Entries 43
Mean −0.01772
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

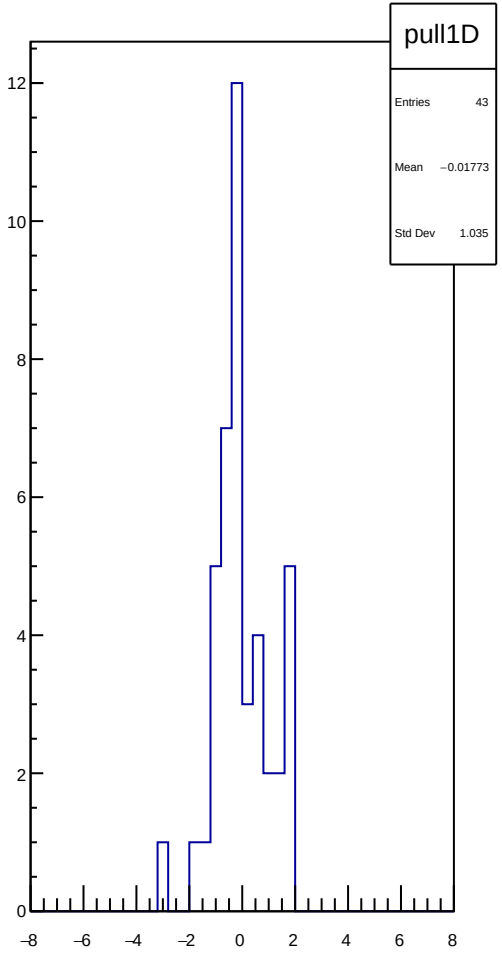

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 2458 / 42
p0 456 ± 0.4897
520
500
480
460
440
420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

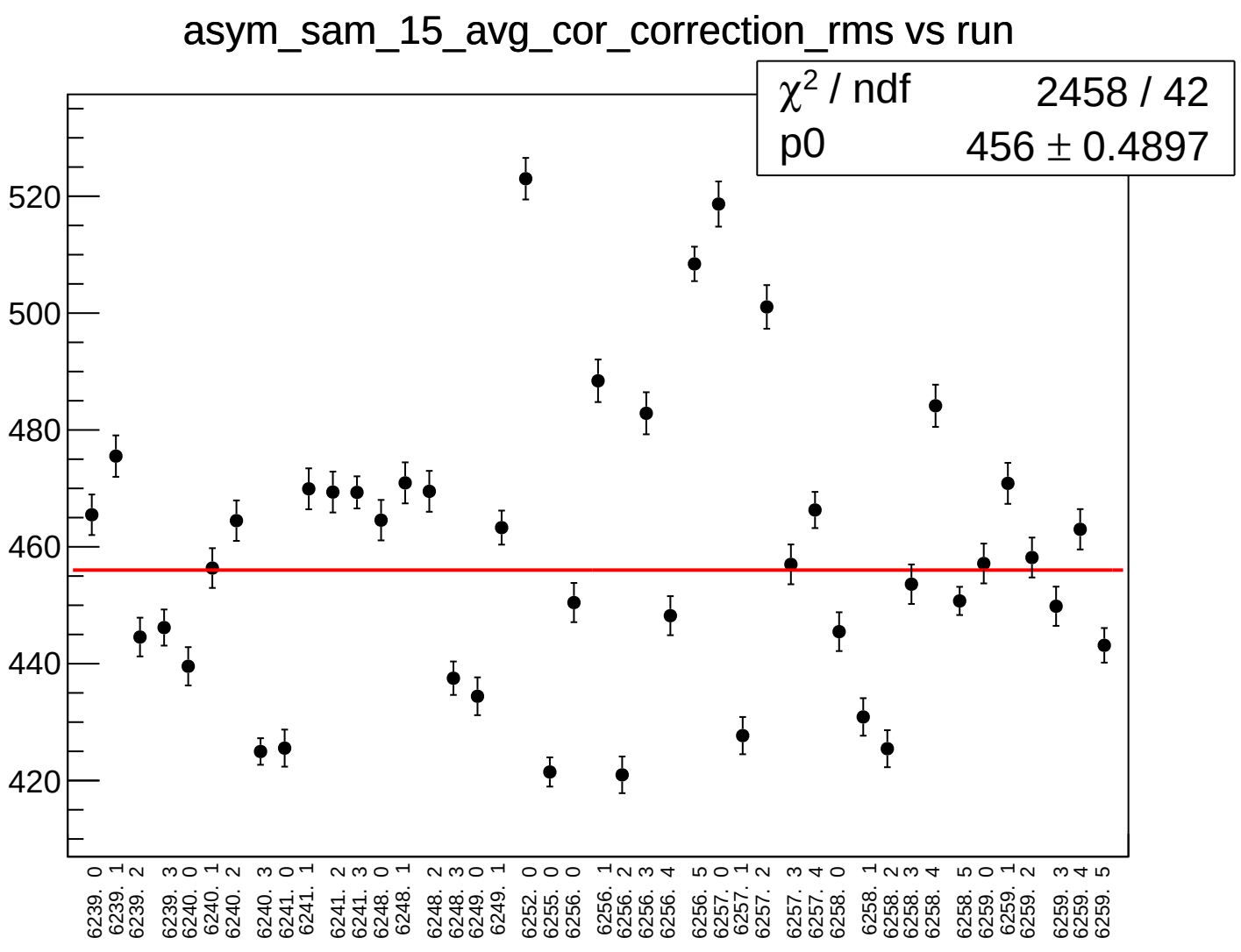

cor_asym_sam_15_avg_mean vs run
χ² / ndf 46.94 / 42
p0 −67.53 ± 91.84
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −529.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.002372
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 4031 / 42
p0 60.42 ± 0.06494
70
68
66
64
62
60
58
56
54
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 46.04 / 42
p0 210.7 ± 692.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.74
Std Dev 7.84
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean −0.01773
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_cor_correction_rms vs run
$\chi^2$ / ndf 2458 / 42
p0 456 ± 0.4897
520
500
480
460
440
420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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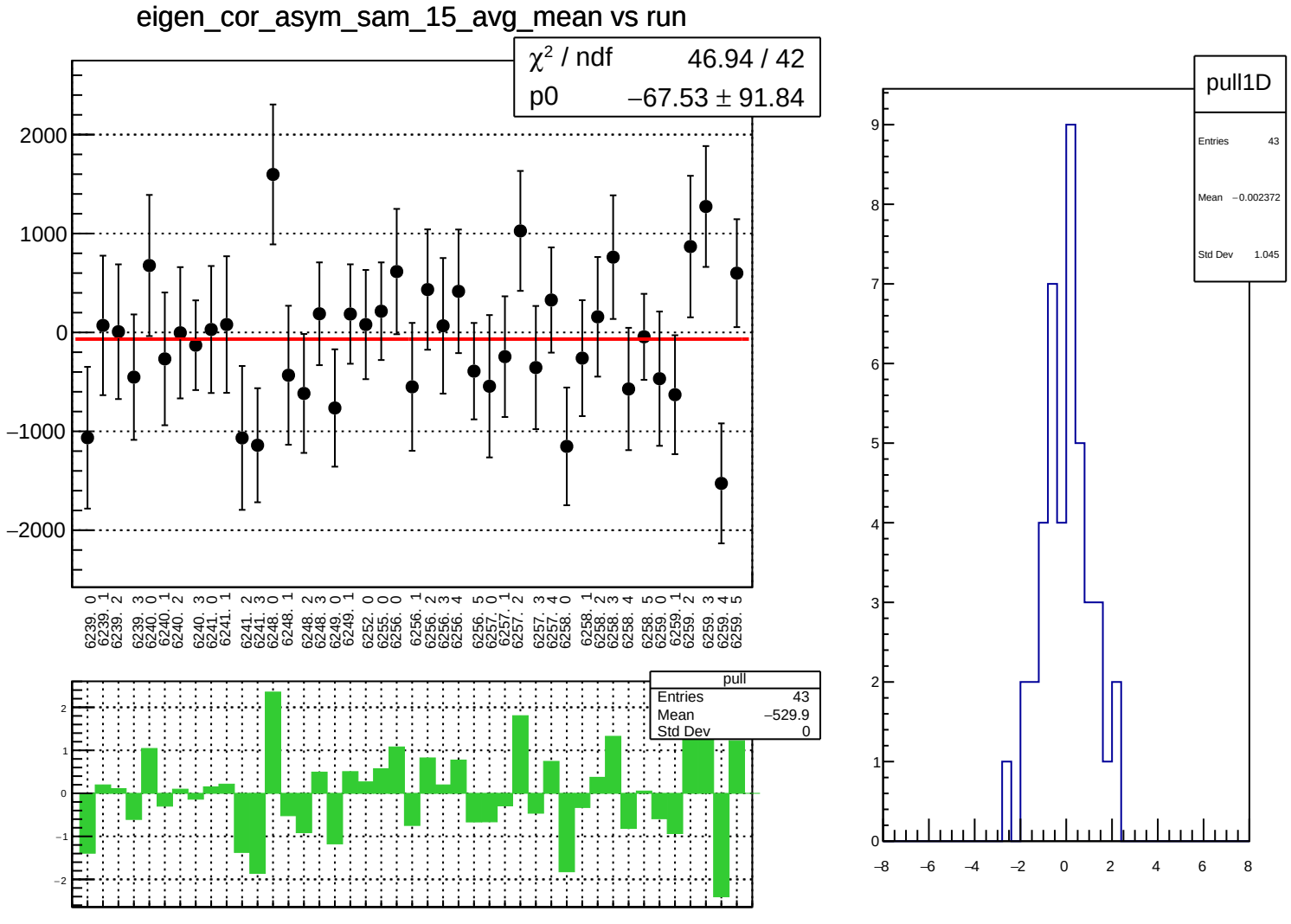
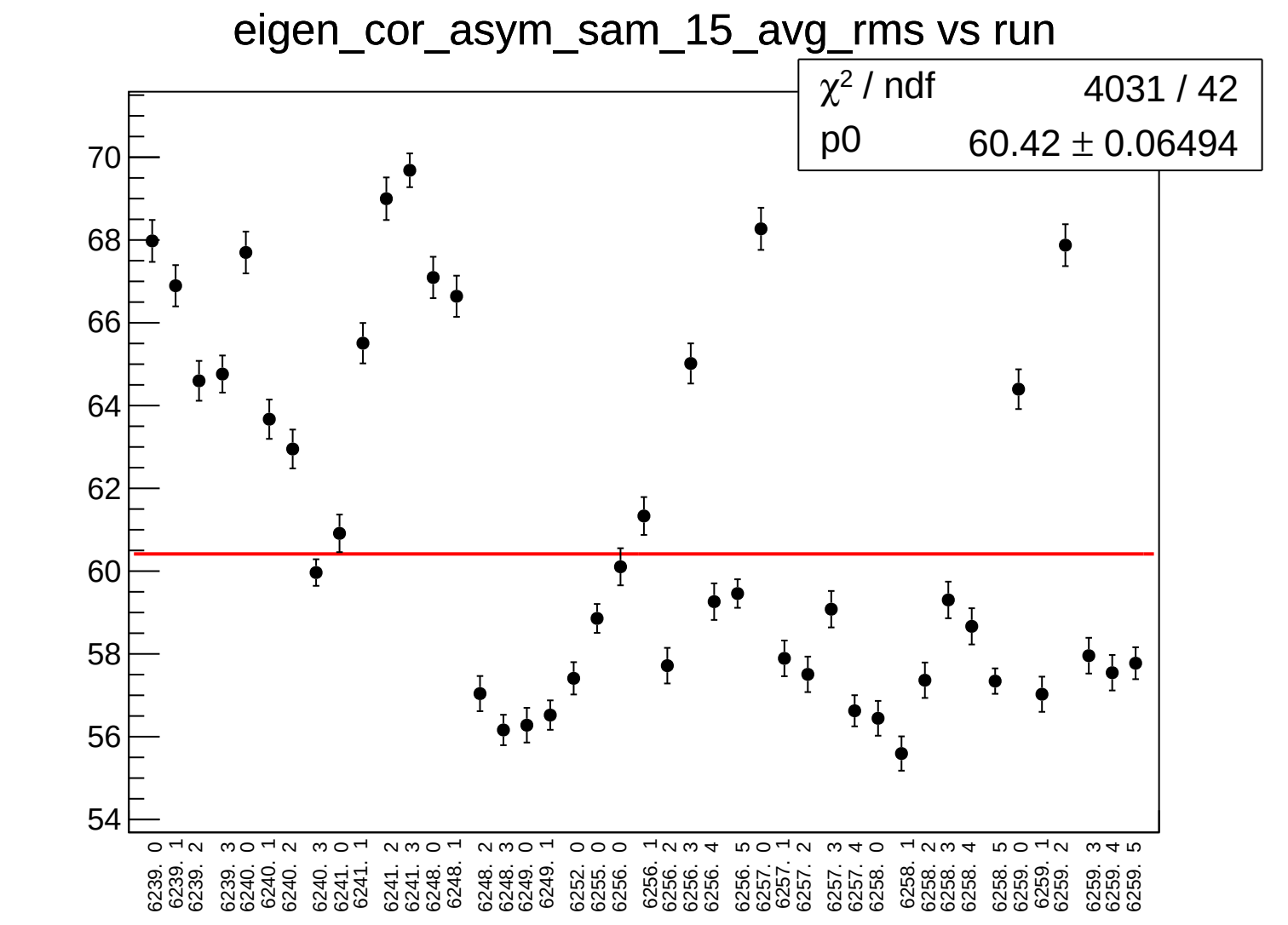
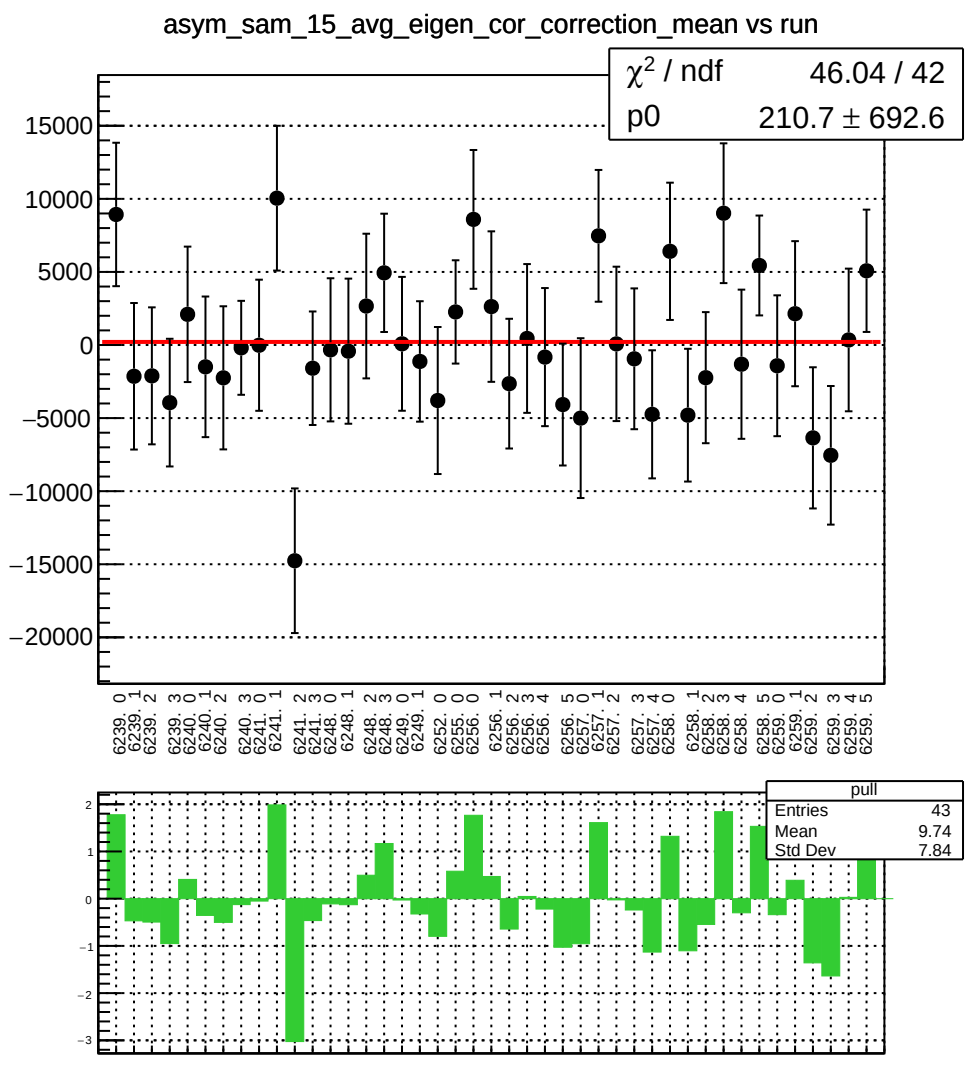
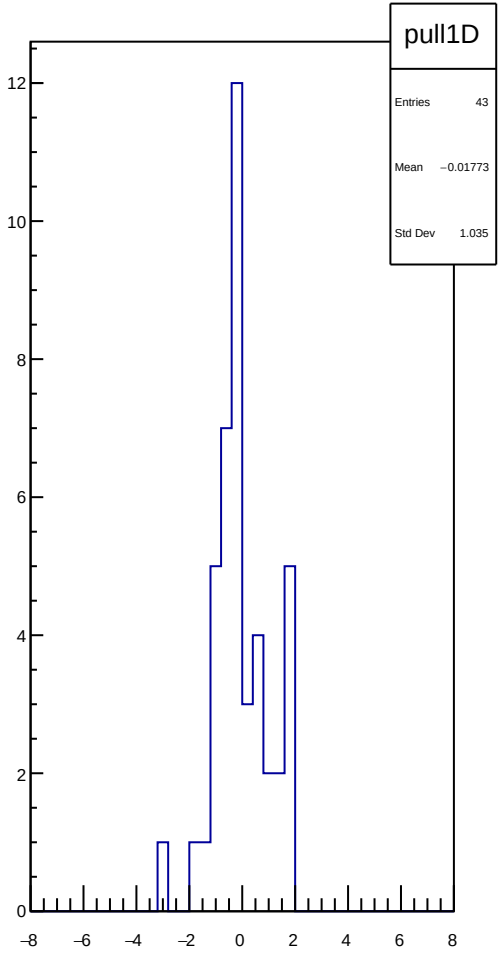
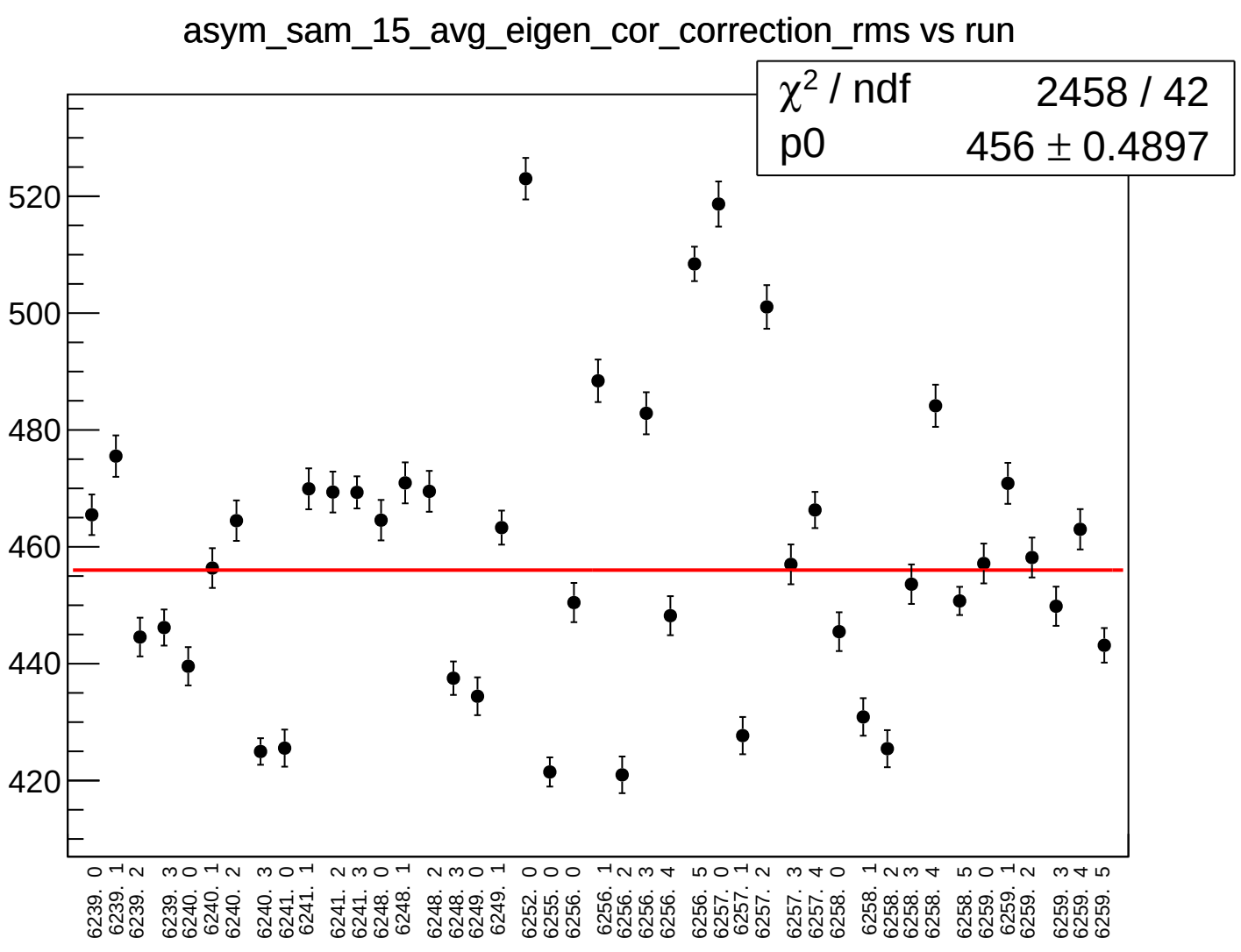
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

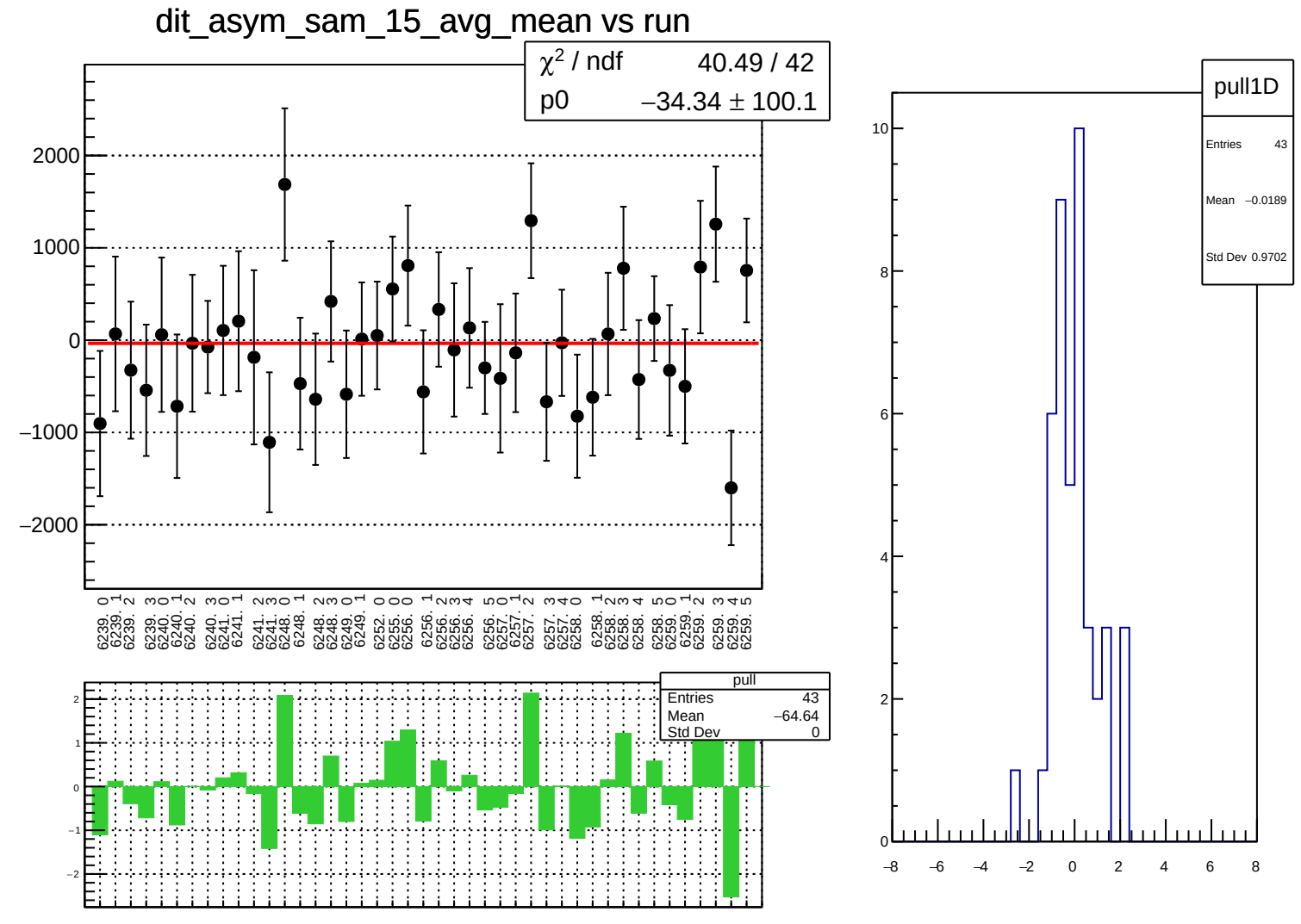

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 46.94 / 42
p0 −67.53 ± 91.84
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −529.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.002372
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

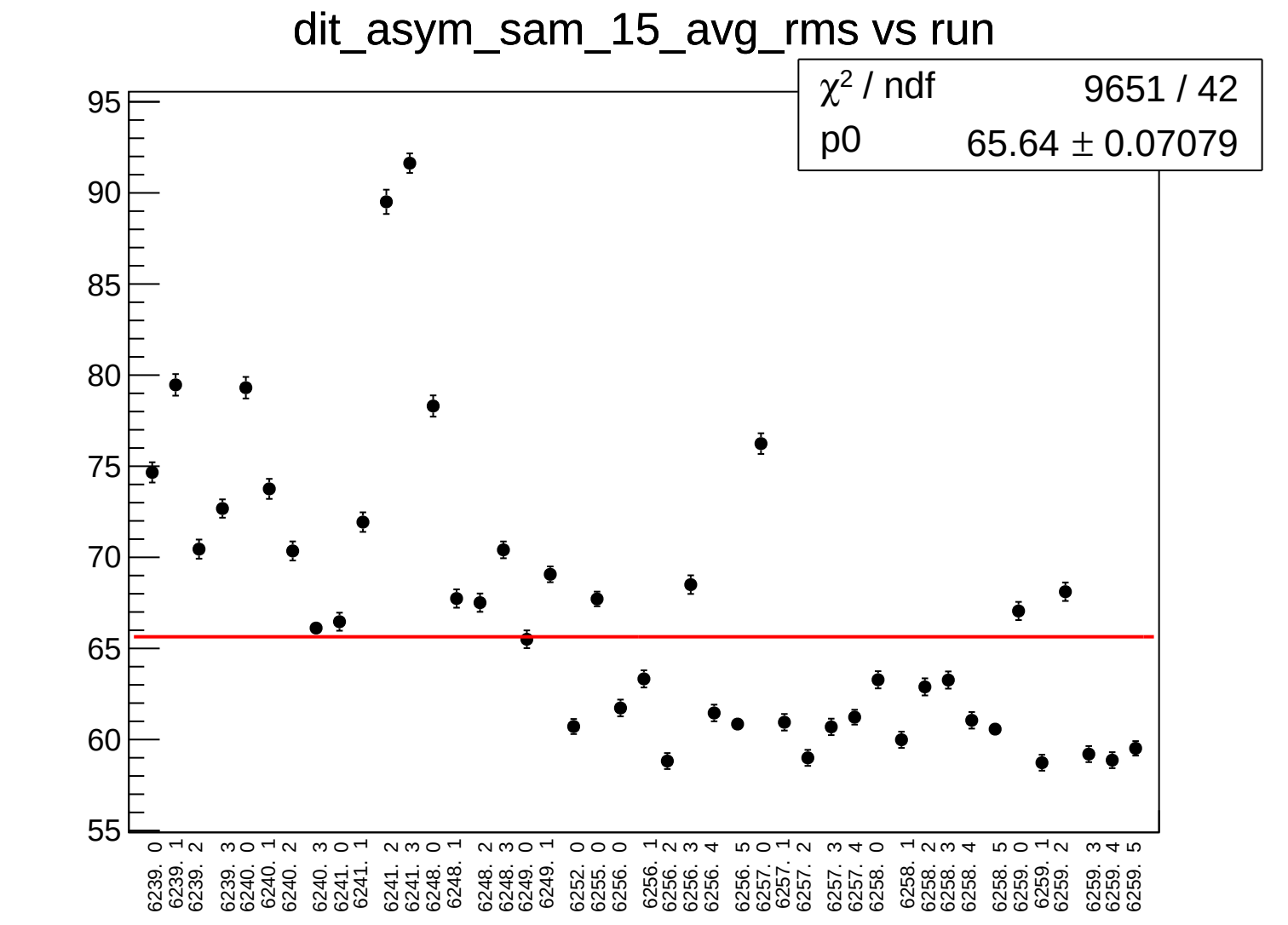

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 4031 / 42
p0 60.42 ± 0.06494
70
68
66
64
62
60
58
56
54
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

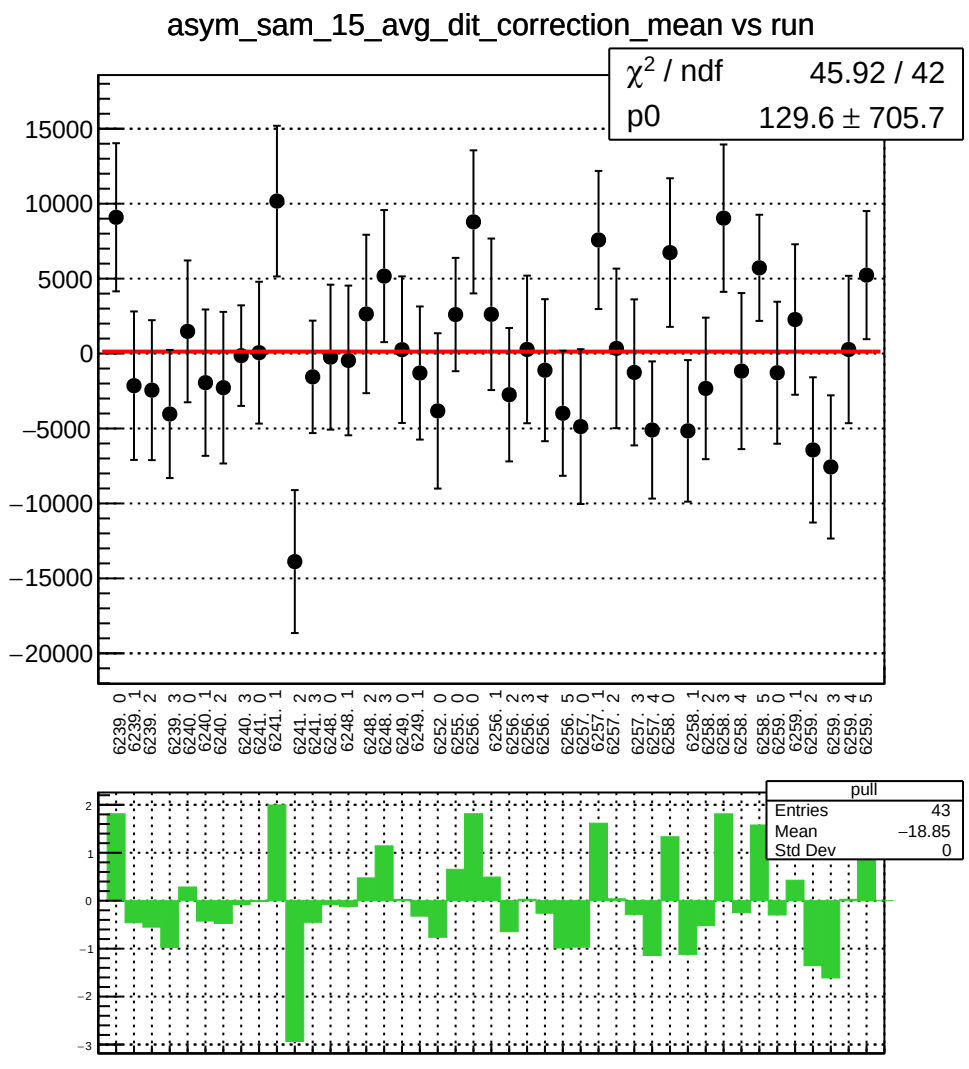

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.04 / 42
p0 210.7 ± 692.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.74
Std Dev 7.84
2
1
0
−1
−2
−3

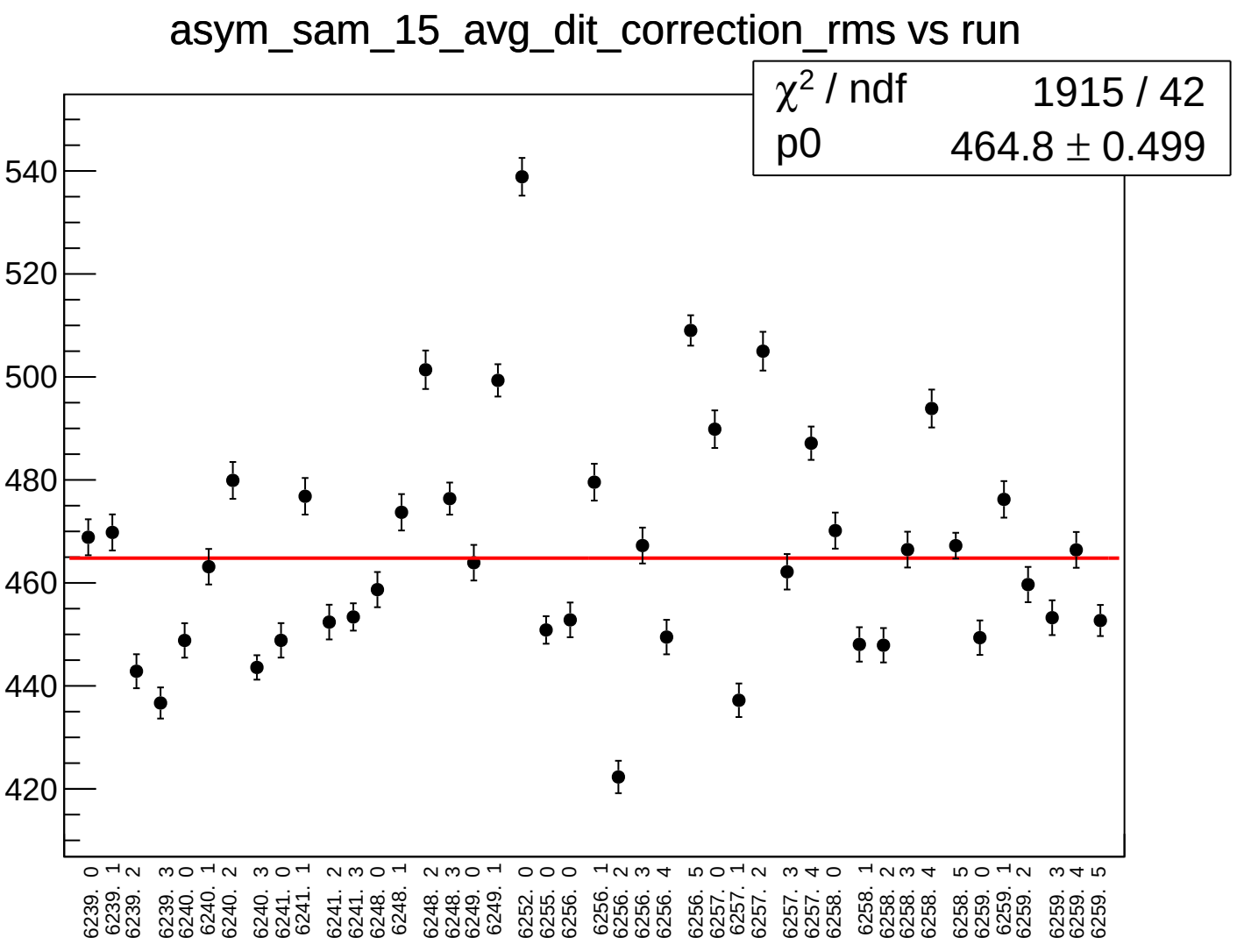

pull1D
Entries 43
Mean −0.01773
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

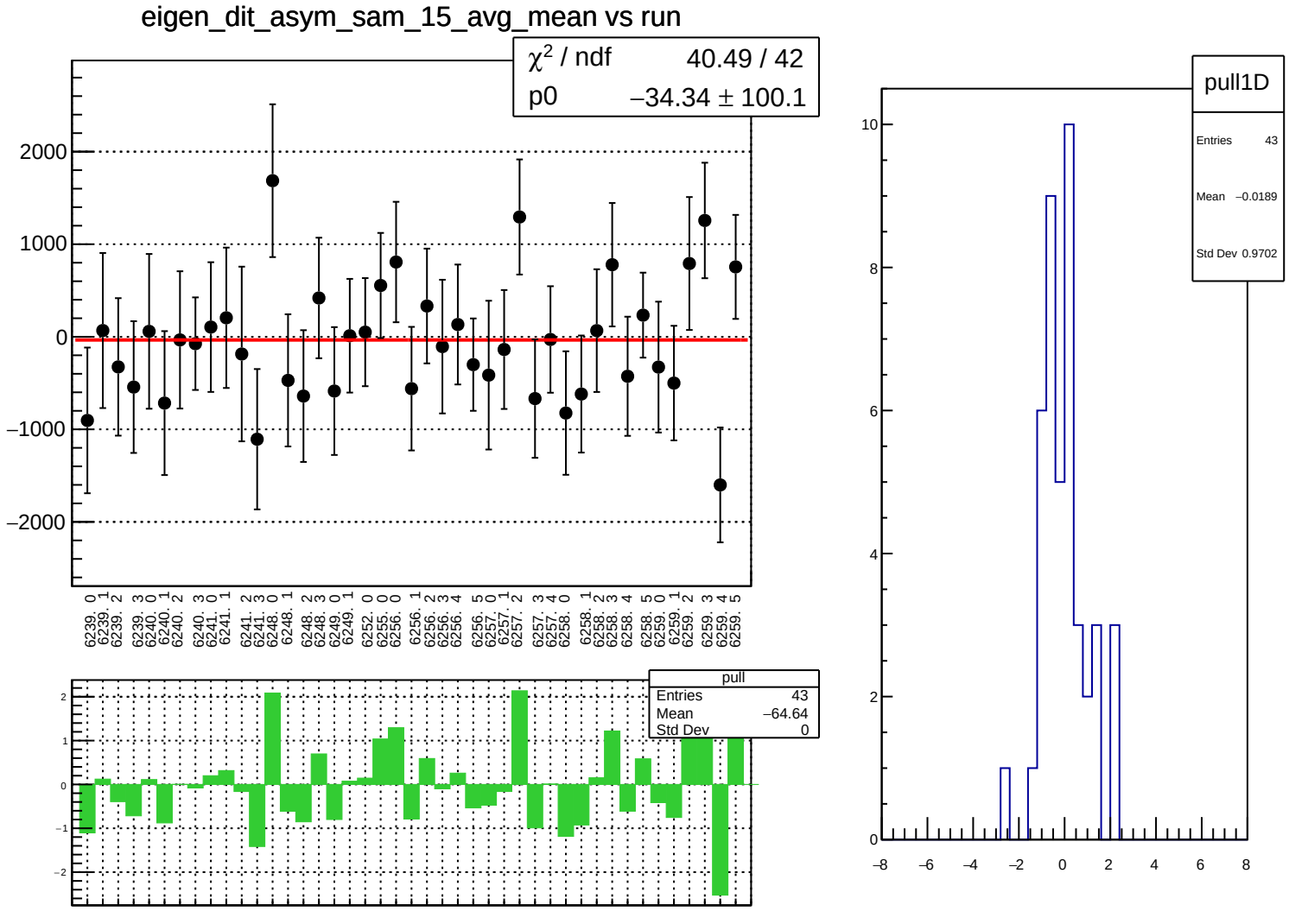

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 2458 / 42
p0 456 ± 0.4897
520
500
480
460
440
420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

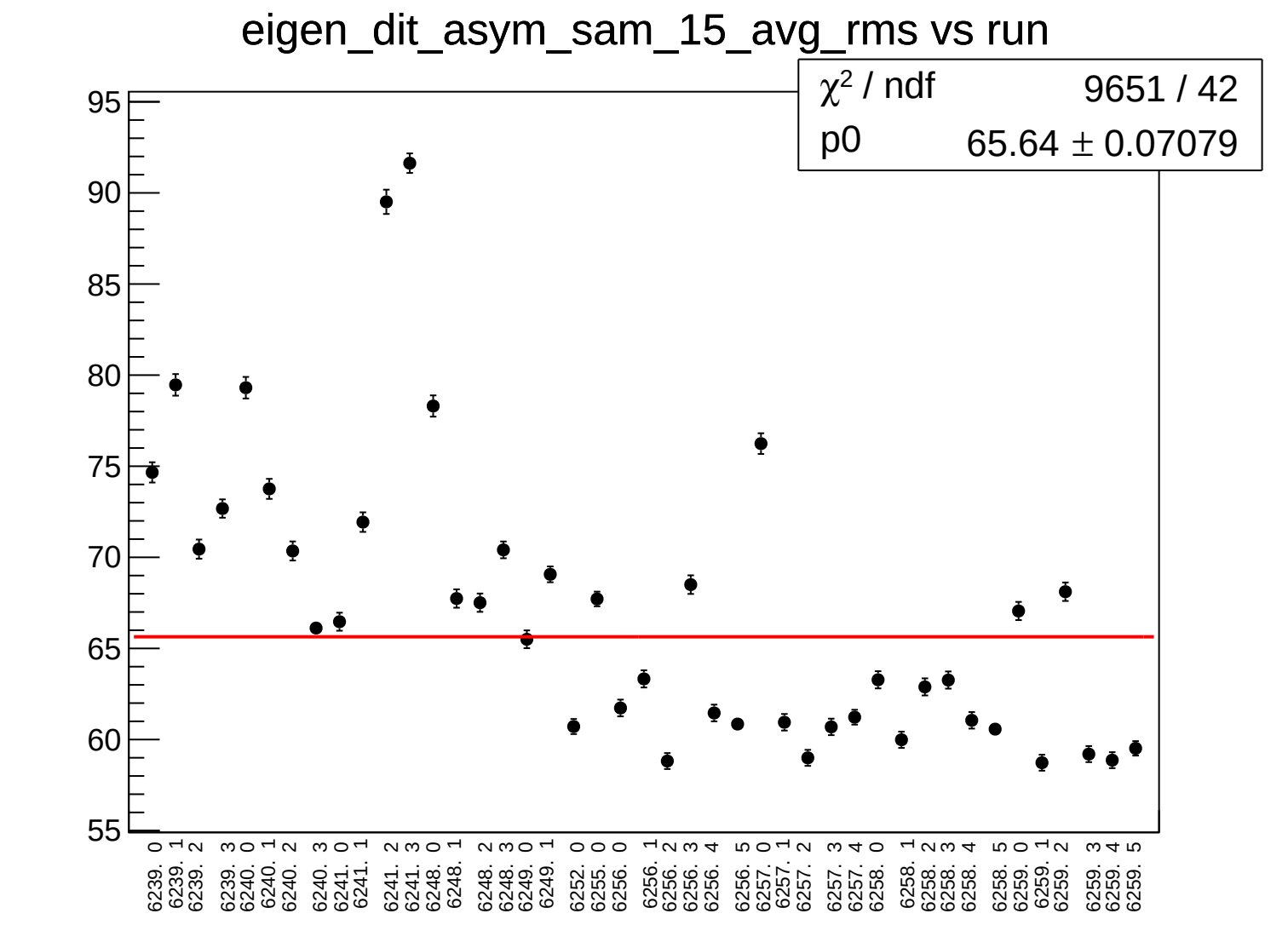

dit_asym_sam_15_avg_mean vs run
χ² / ndf 40.49 / 42
p0 −34.34 ± 100.1
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −64.64
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0189
Std Dev 0.9702
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

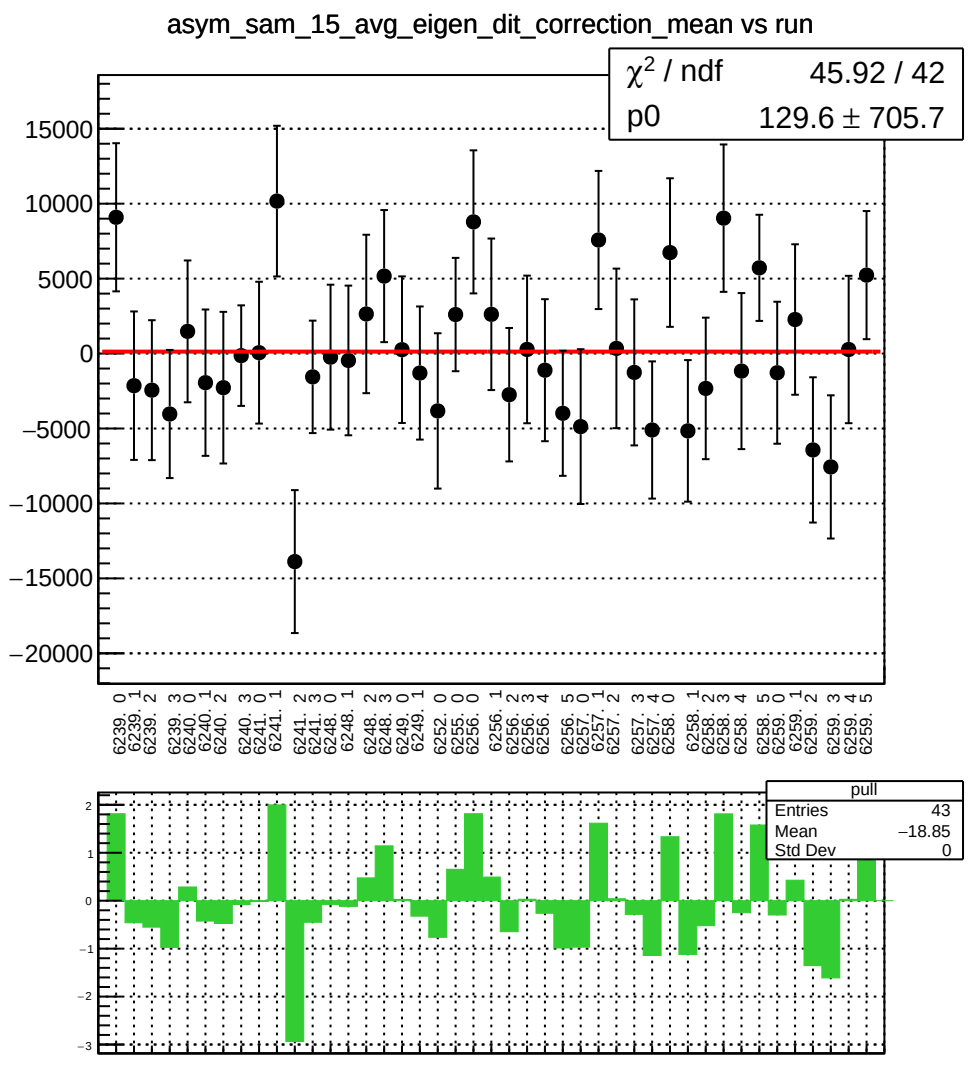

dit_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 9651 / 42
p0 65.64 ± 0.07079
95
90
85
80
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

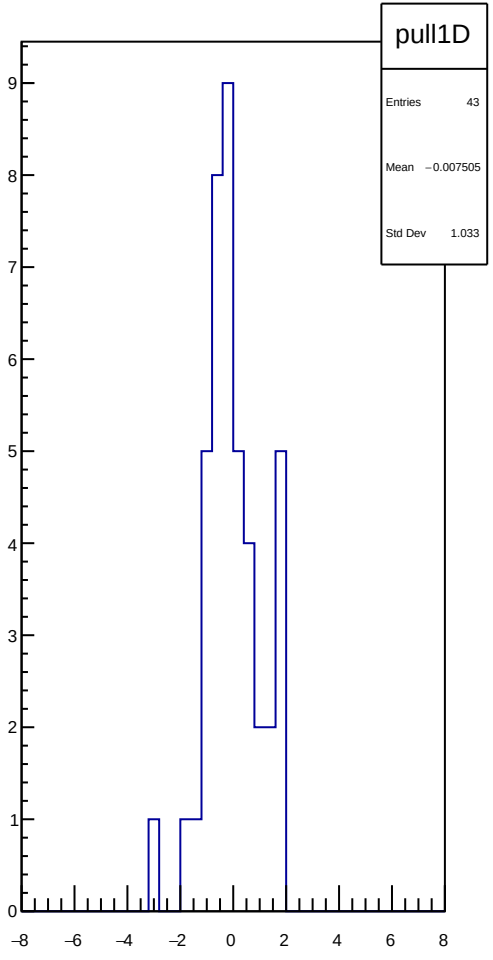

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 45.92 / 42
p0 129.6 ± 705.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −18.85
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.007505
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

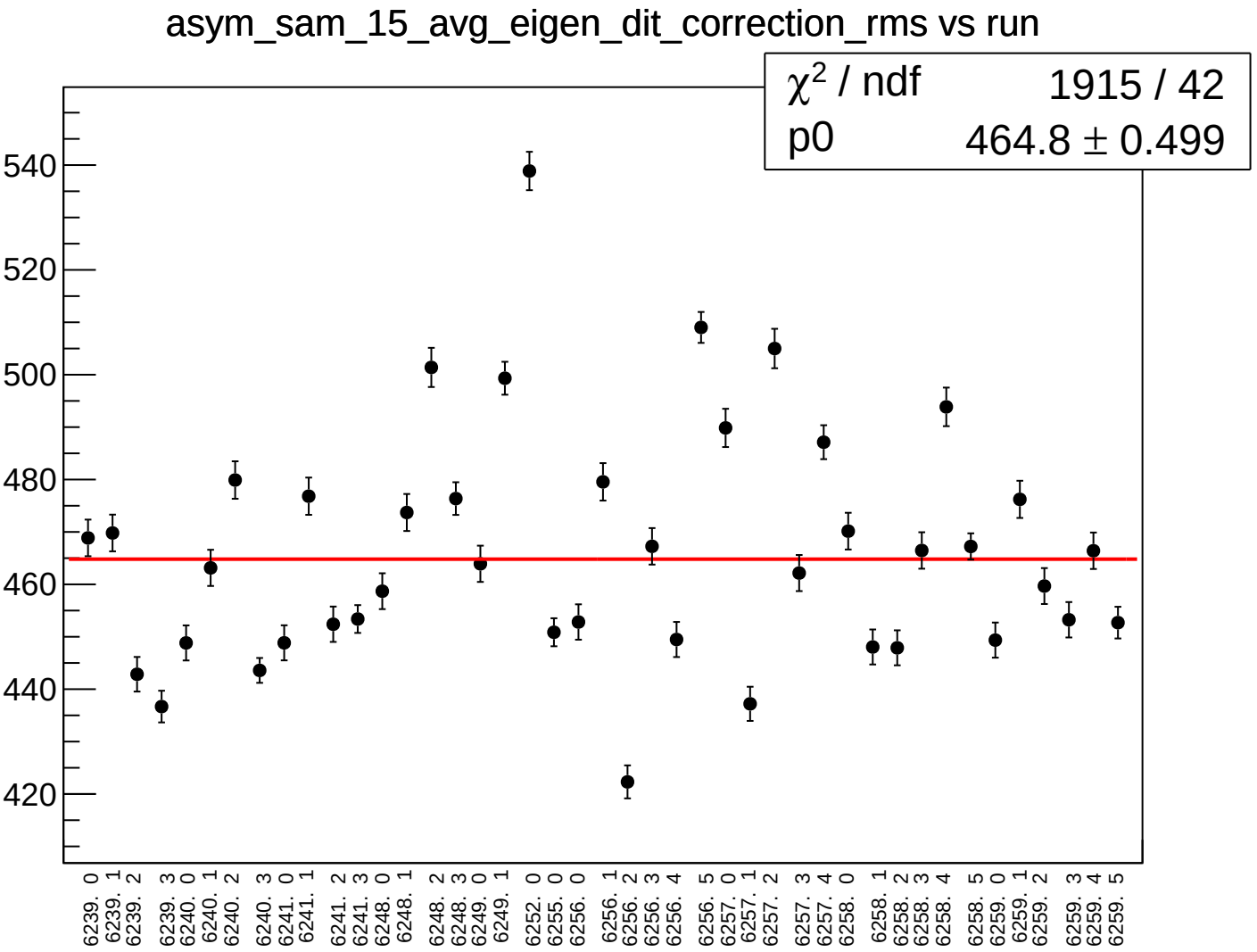

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1915 / 42
p0 464.8 ± 0.499
540
520
500
480
460
440
420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

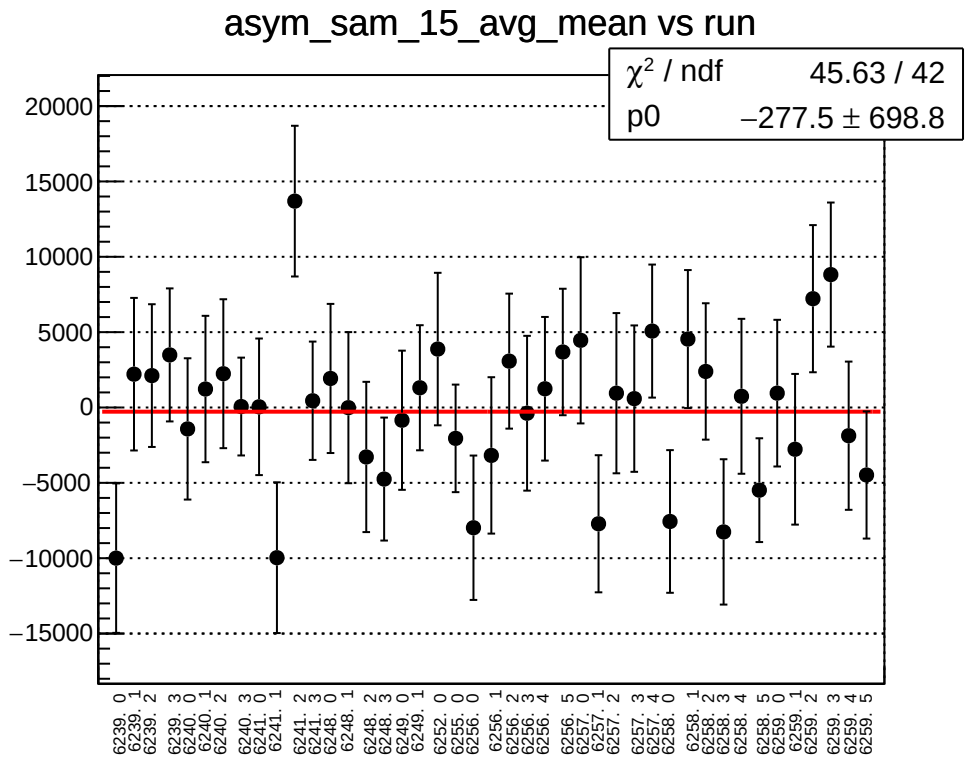

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 40.49 / 42
p0 −34.34 ± 100.1
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −64.64
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0189
Std Dev 0.9702
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

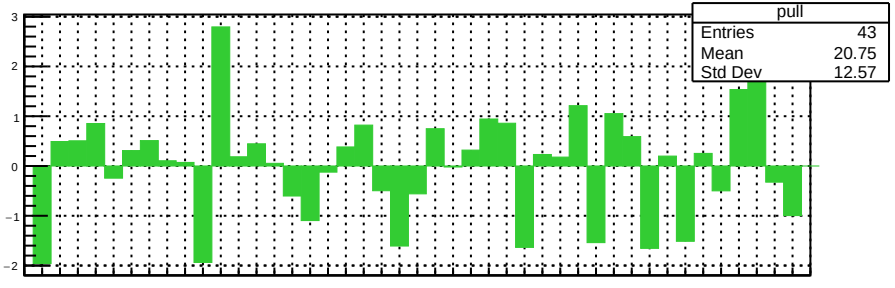

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 9651 / 42
p0 65.64 ± 0.07079
95
90
85
80
75
70
65
60
55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

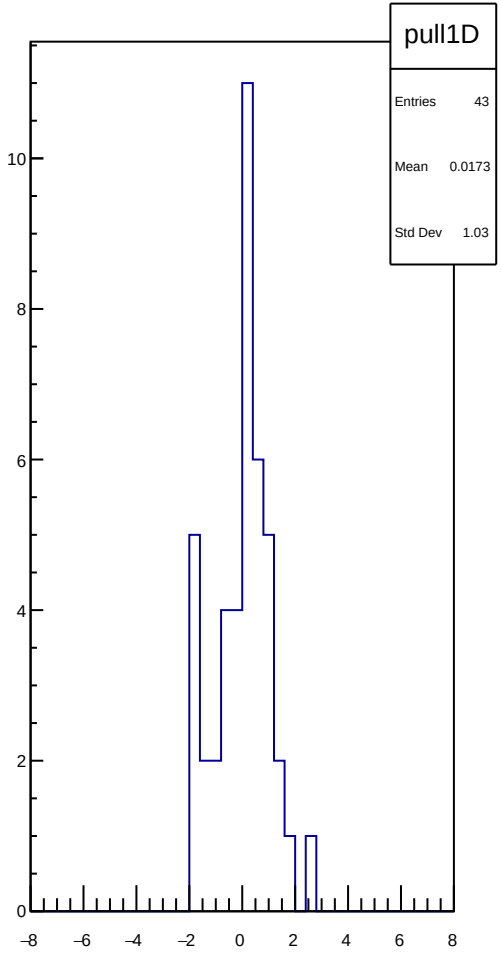

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.92 / 42
p0 129.6 ± 705.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −18.85
Std Dev 0
2
1
0
−1
−2
−3

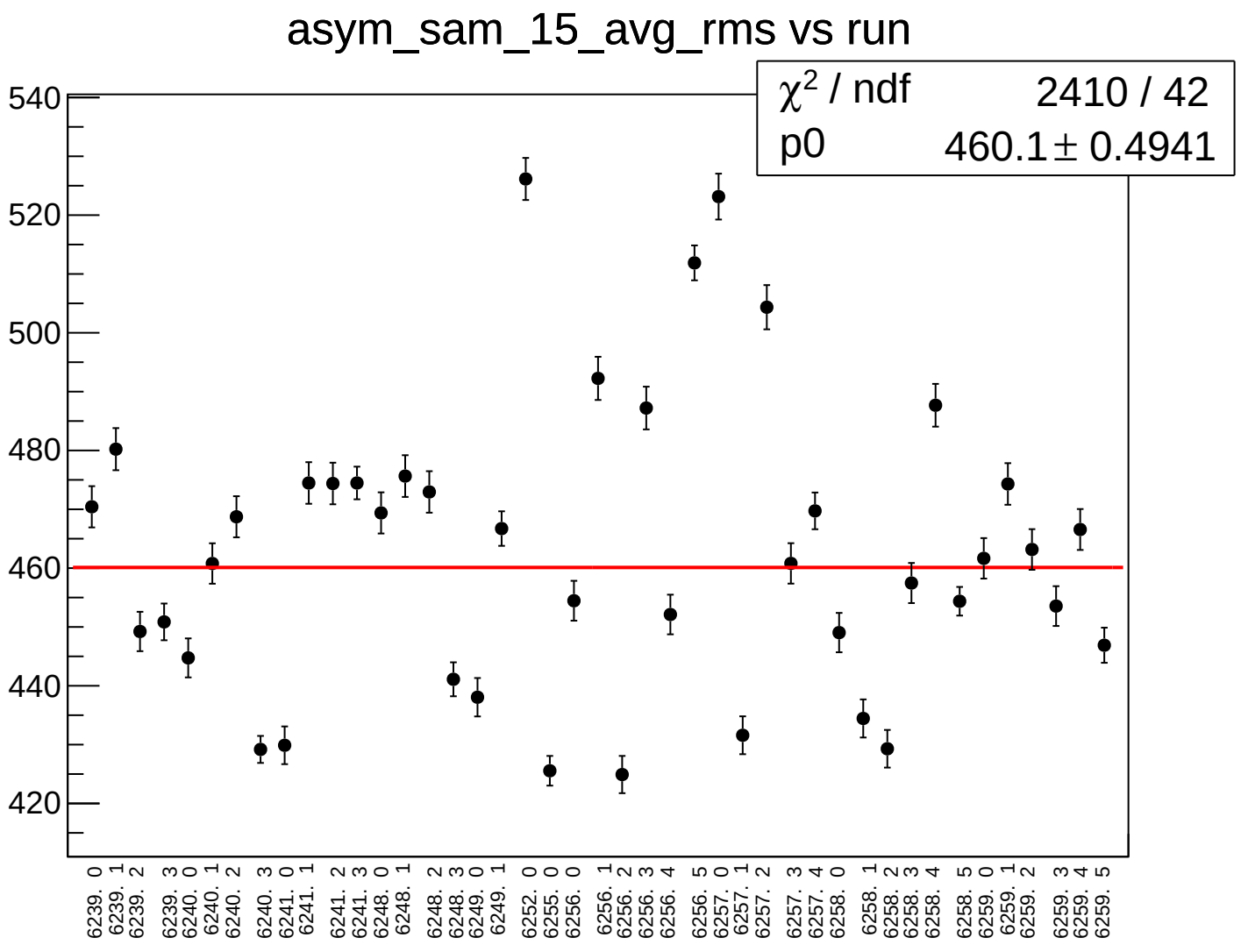

pull1D
Entries 43
Mean −0.007505
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

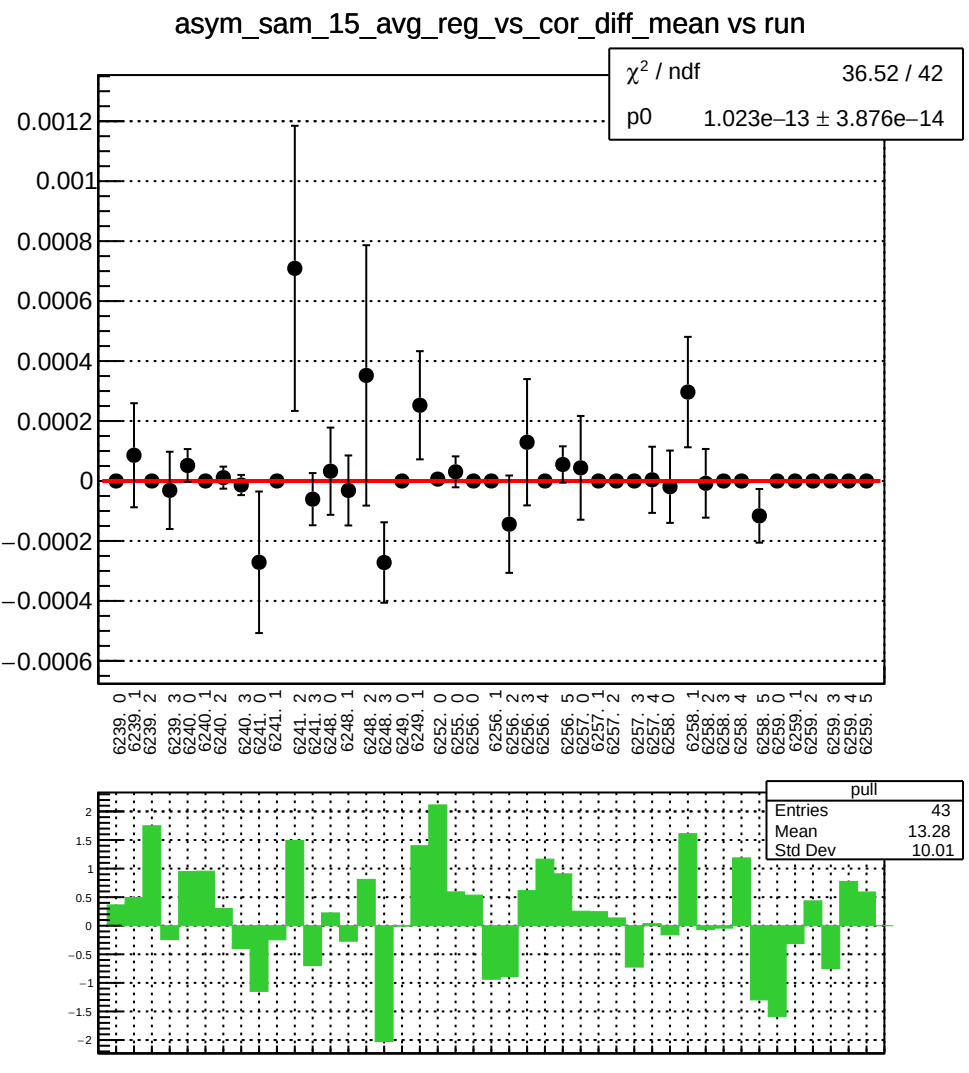

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1915 / 42
p0 464.8 ± 0.499
540
520
500
480
460
440
420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

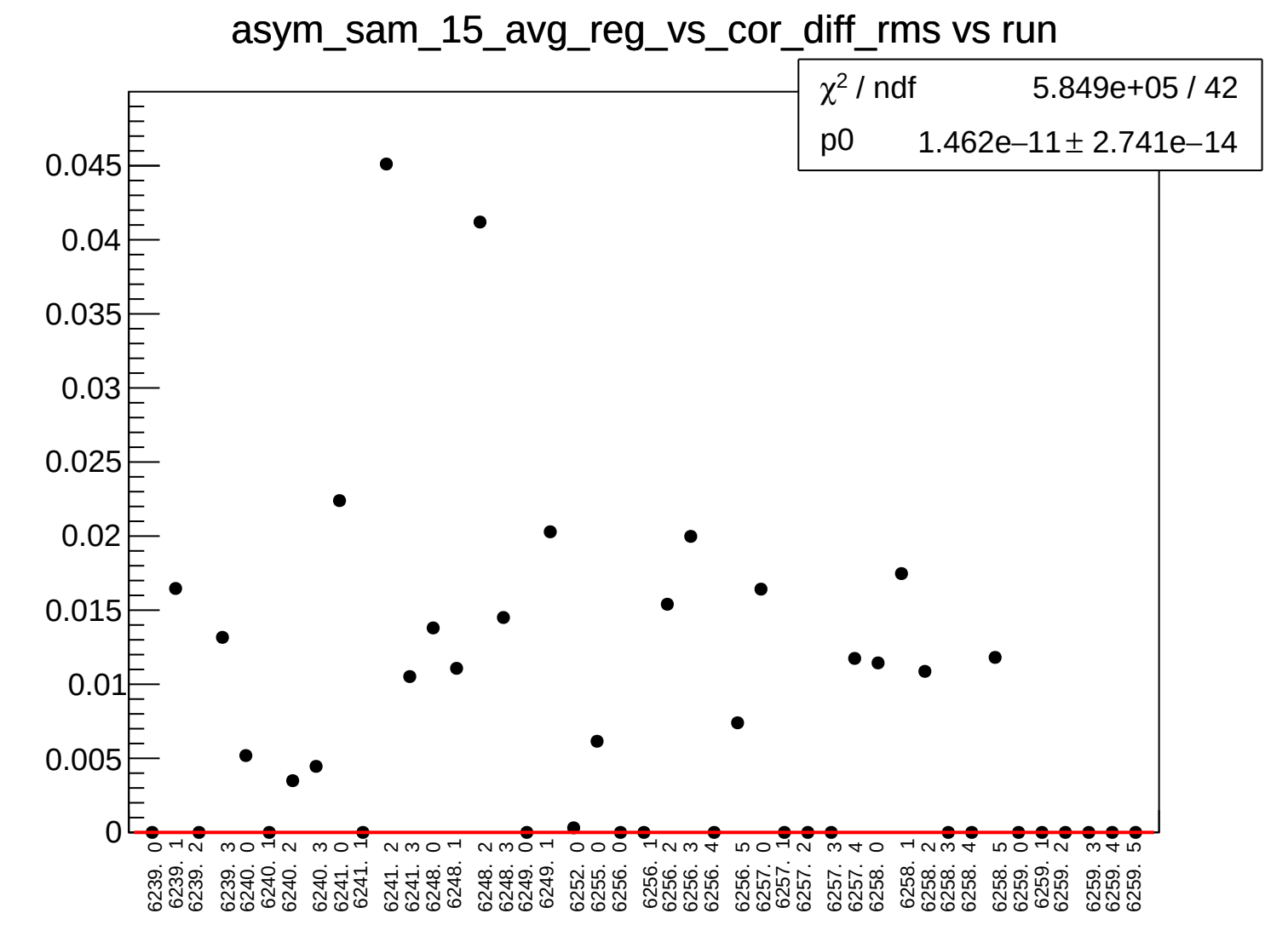

asym_sam_15_avg_mean vs run
χ² / ndf 45.63 / 42
p0 −277.5 ± 698.8
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

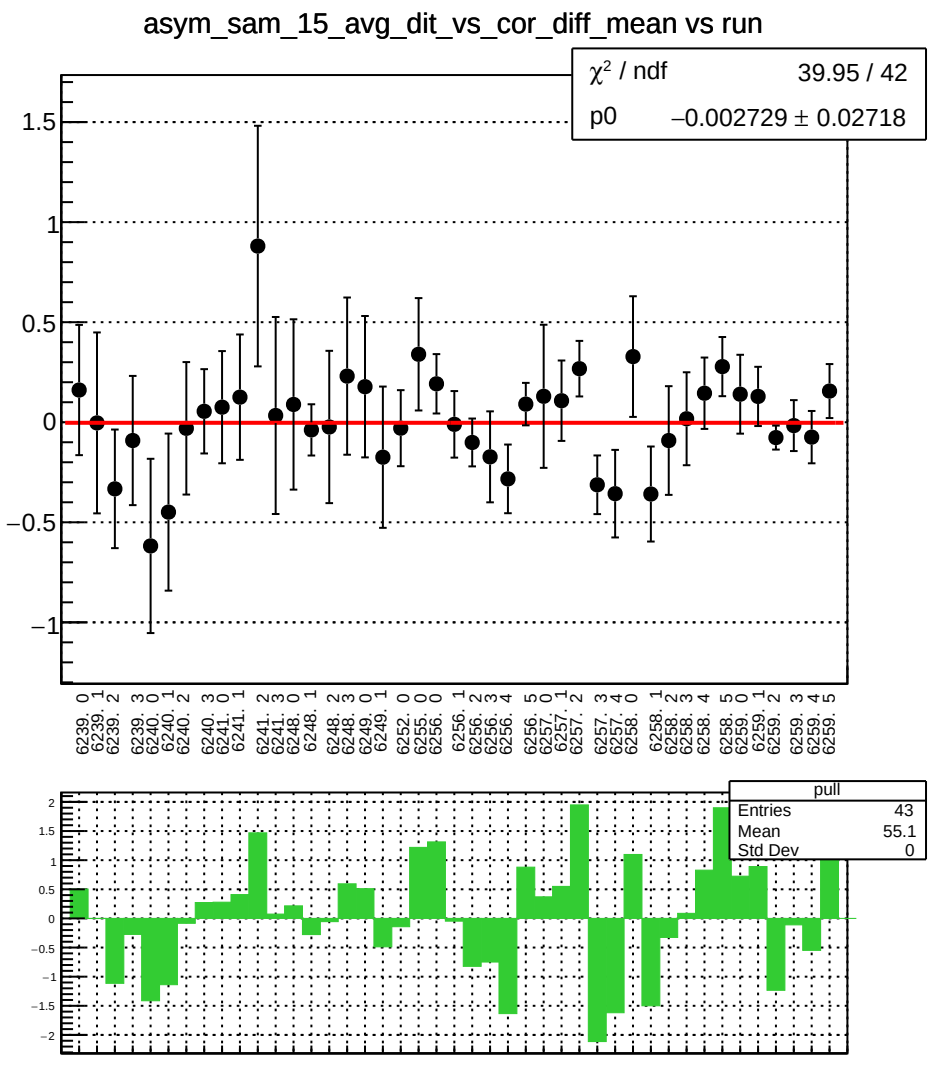

pull
Entries 43
Mean 20.75
Std Dev 12.57
3
2
1
0
−1
−2

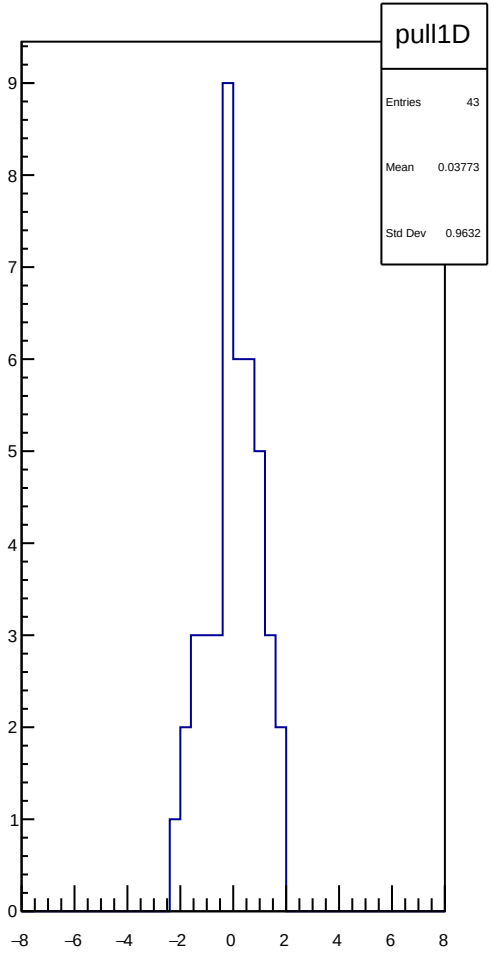

pull1D
Entries 43
Mean 0.0173
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

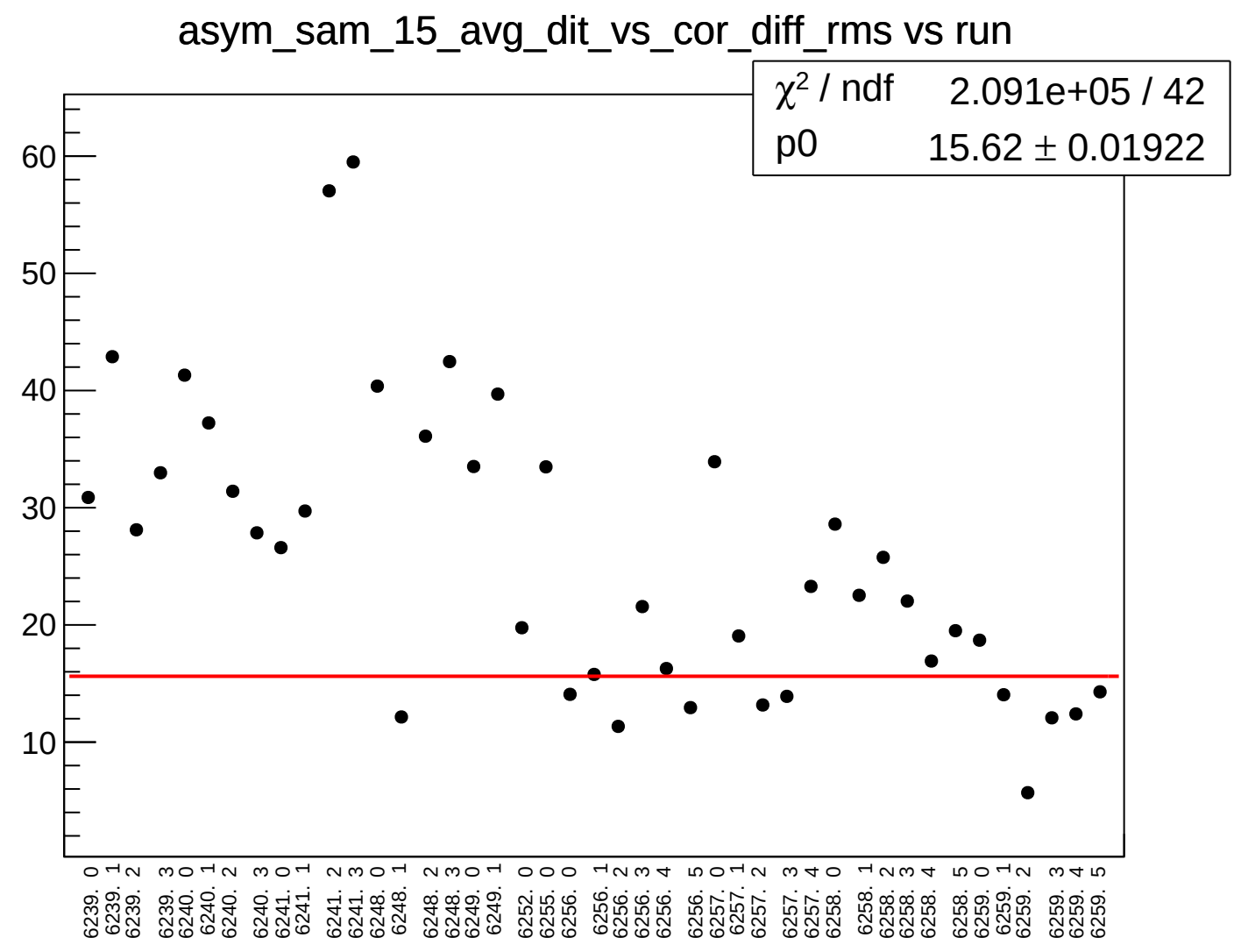

asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 2410 / 42
p0 460.1 ± 0.4941
540
520
500
480
460
440
420
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

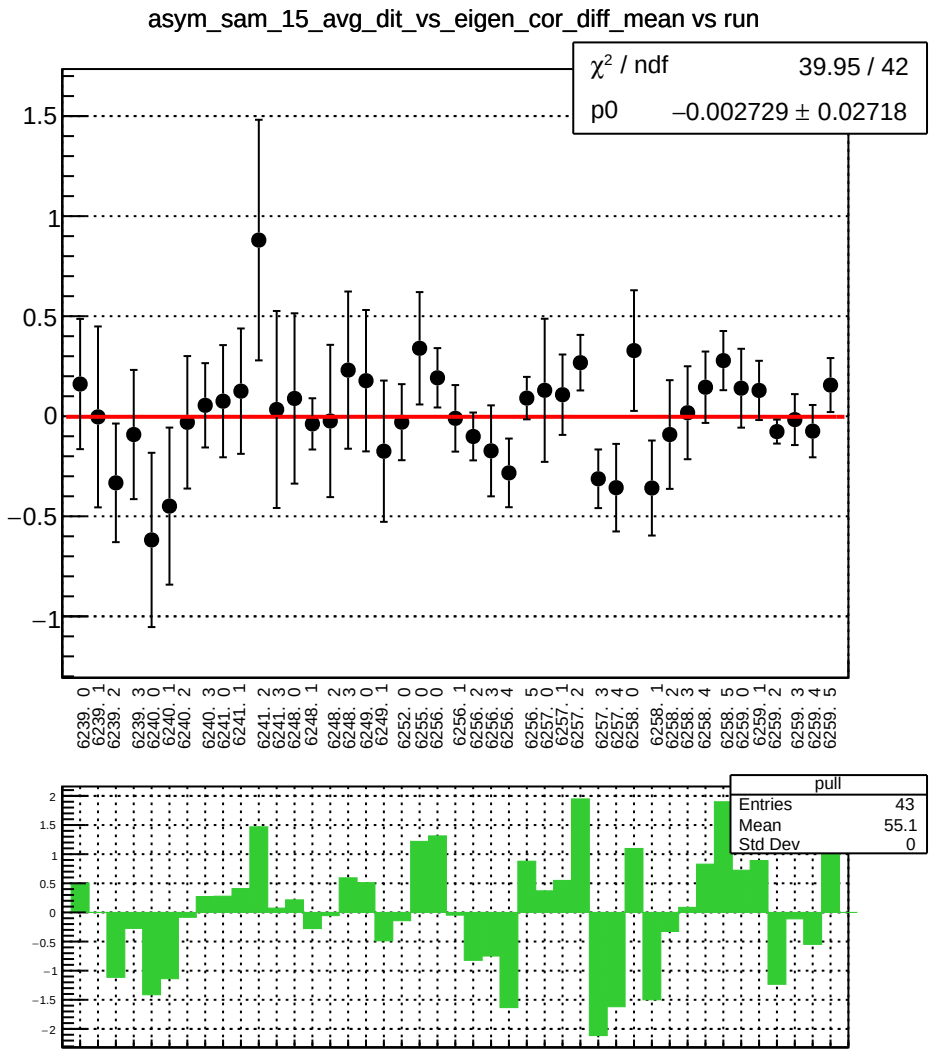

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.52 / 42
p0 1.023e−13 ± 3.876e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.28
Std Dev 10.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1894
Std Dev 0.9019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

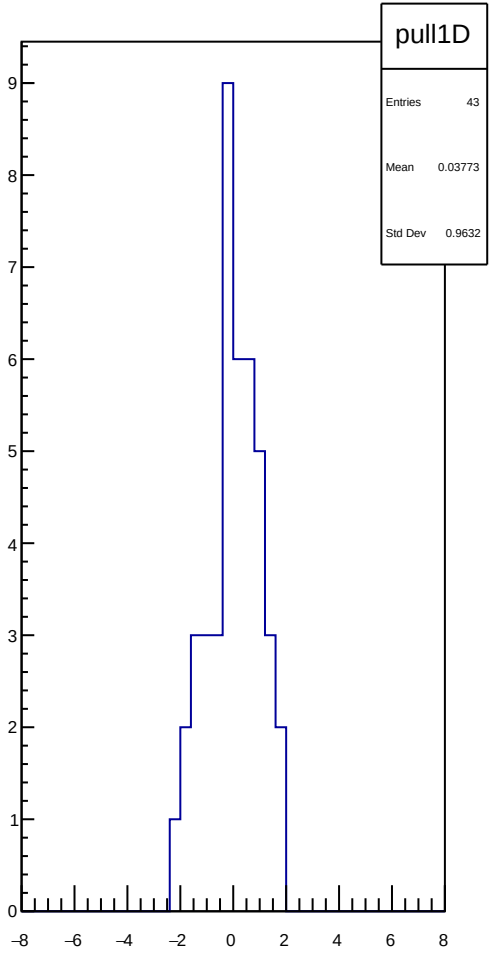

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.849e+05 / 42
p0 1.462e−11 ± 2.741e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

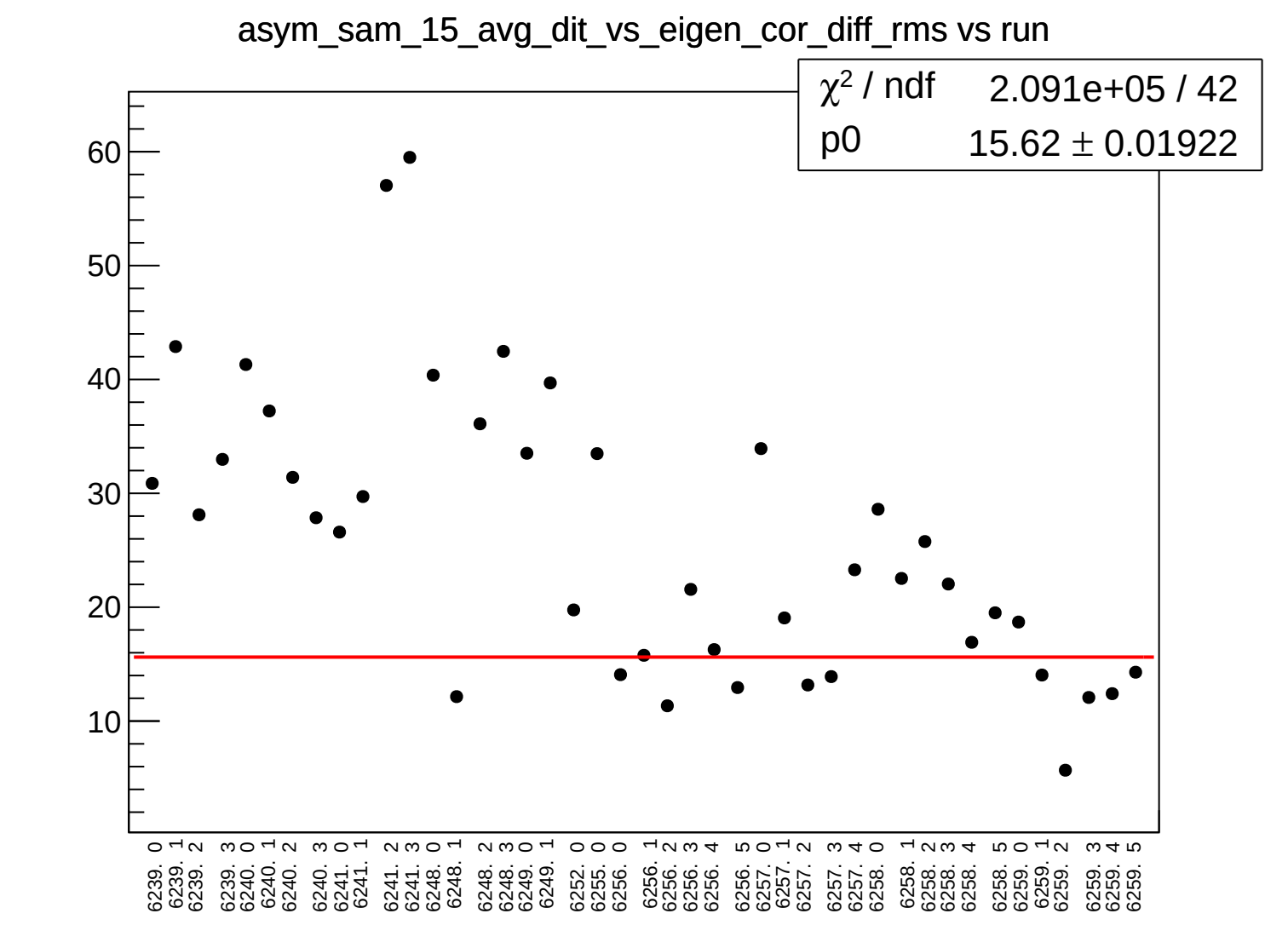

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.95 / 42
p0 −0.002729 ± 0.02718
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

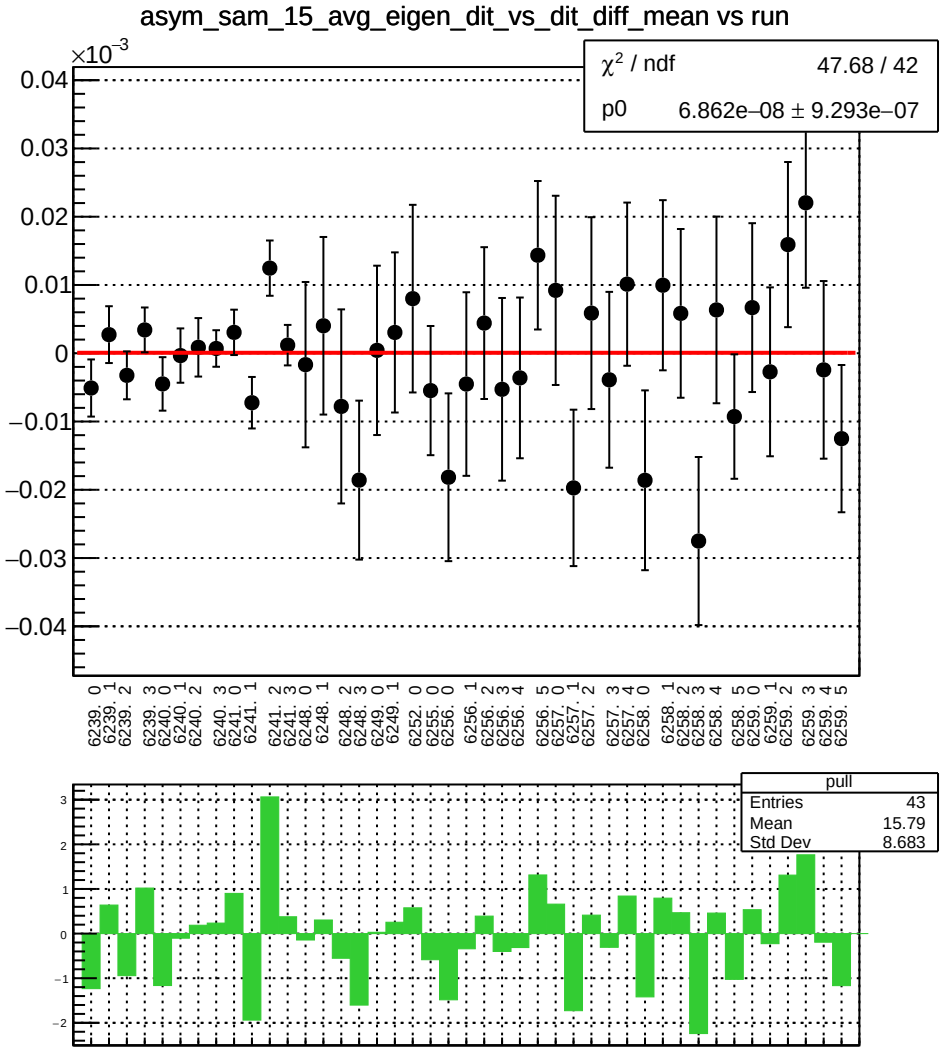

pull1D
Entries 43
Mean 0.03773
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

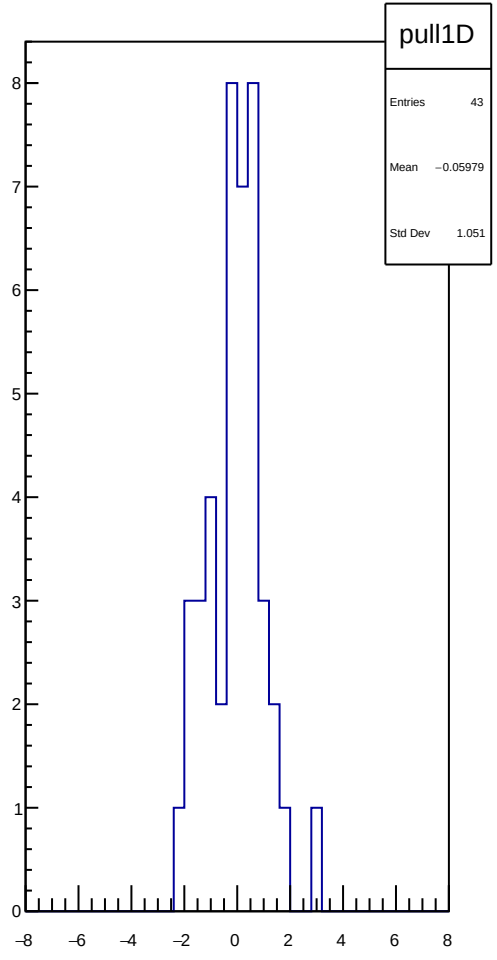

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 42
p0 15.62 ± 0.01922
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

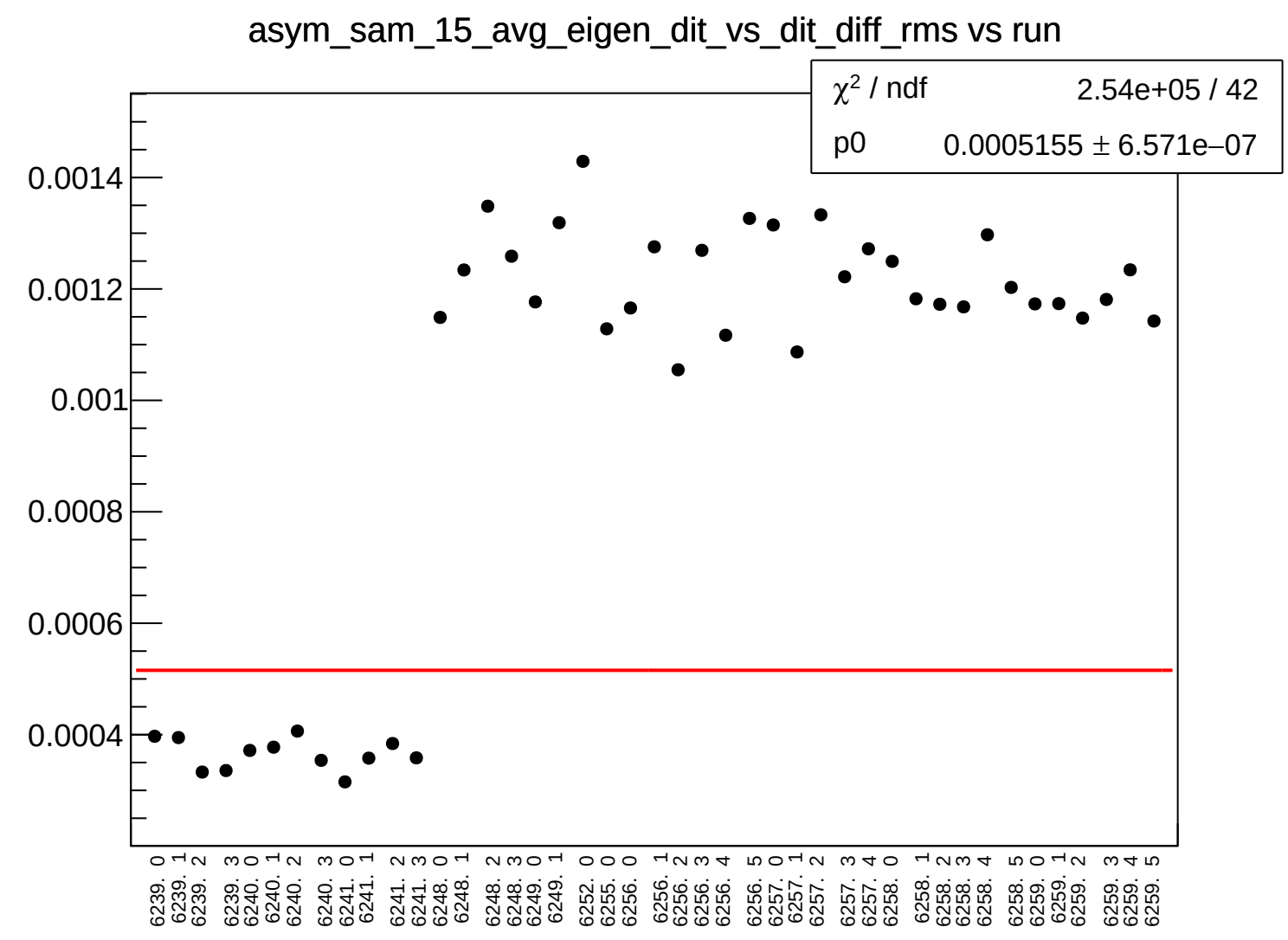

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.95 / 42
p0 −0.002729 ± 0.02718
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

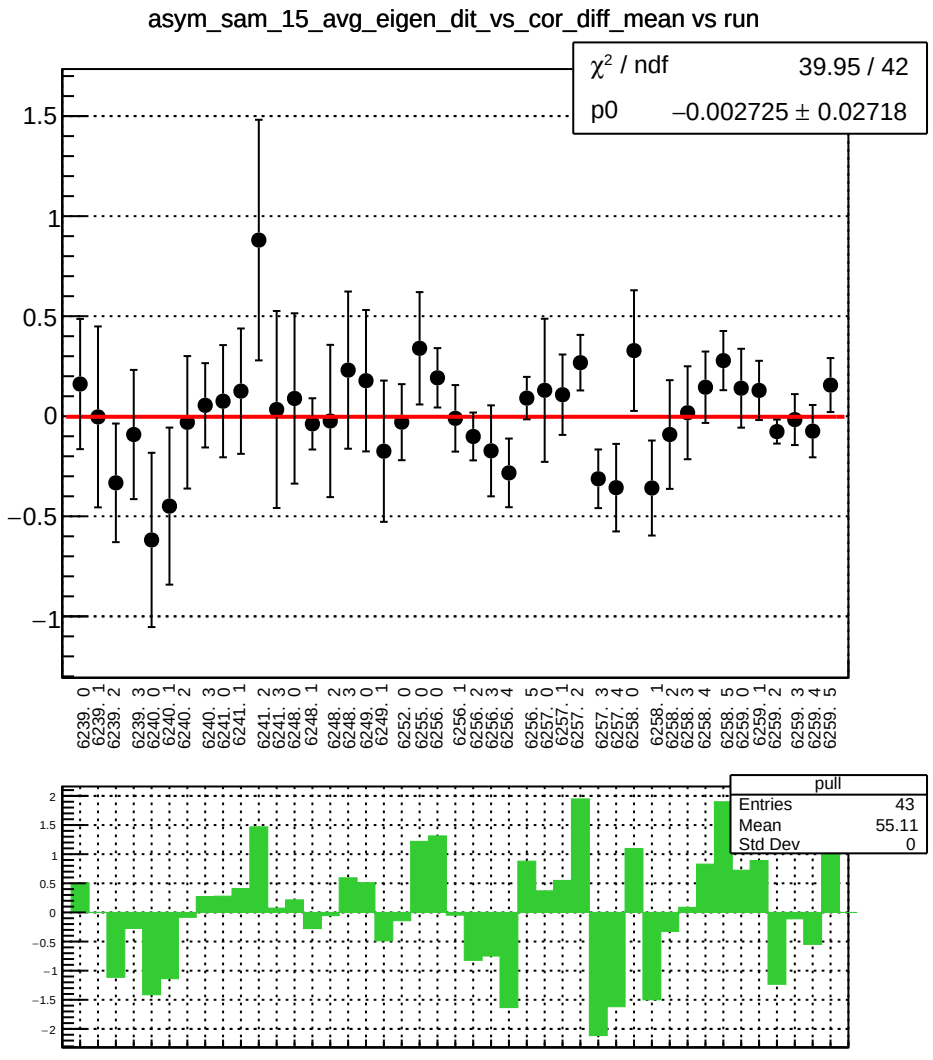

pull1D
Entries 43
Mean 0.03773
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

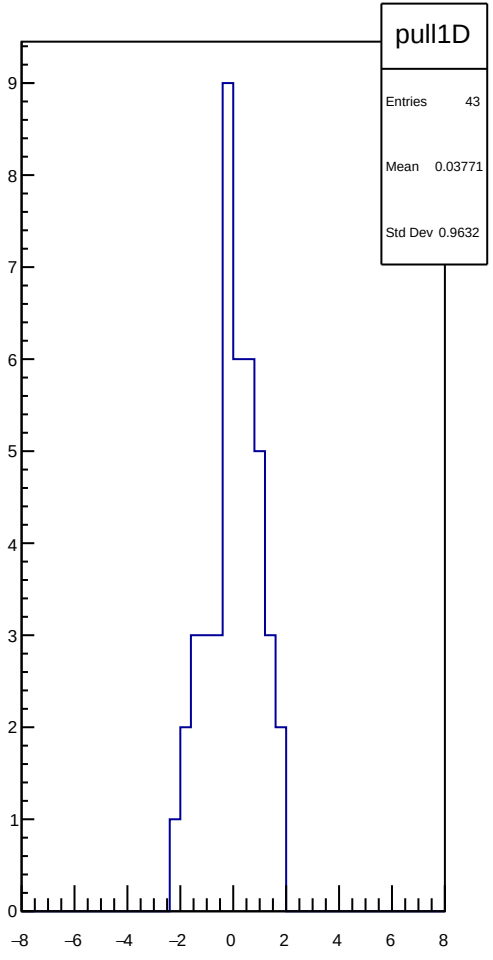

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 42
p0 15.62 ± 0.01922
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

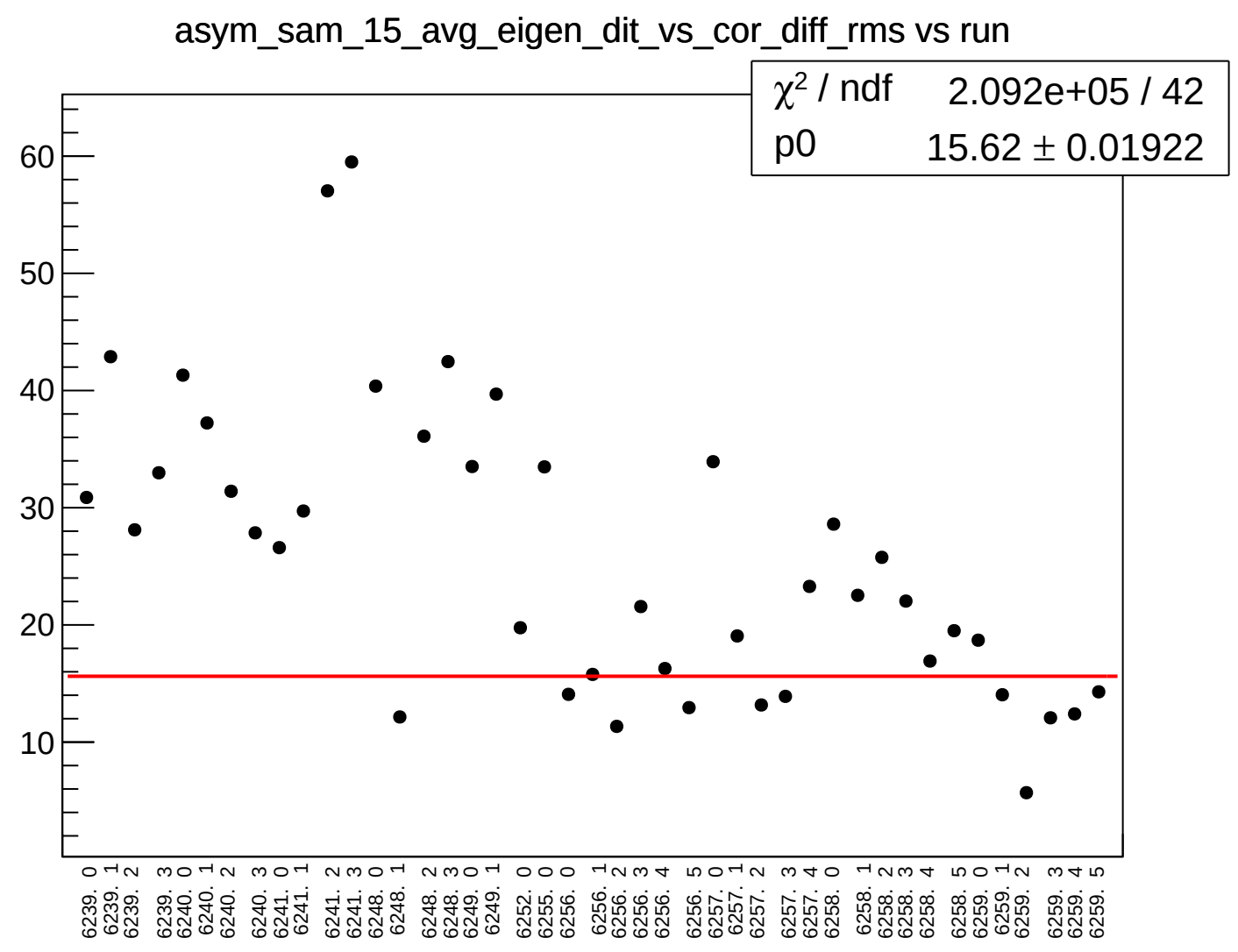

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.68 / 42
p0 6.862e−08 ± 9.293e−07
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 15.79
Std Dev 8.683
3
2
1
0
−1
−2

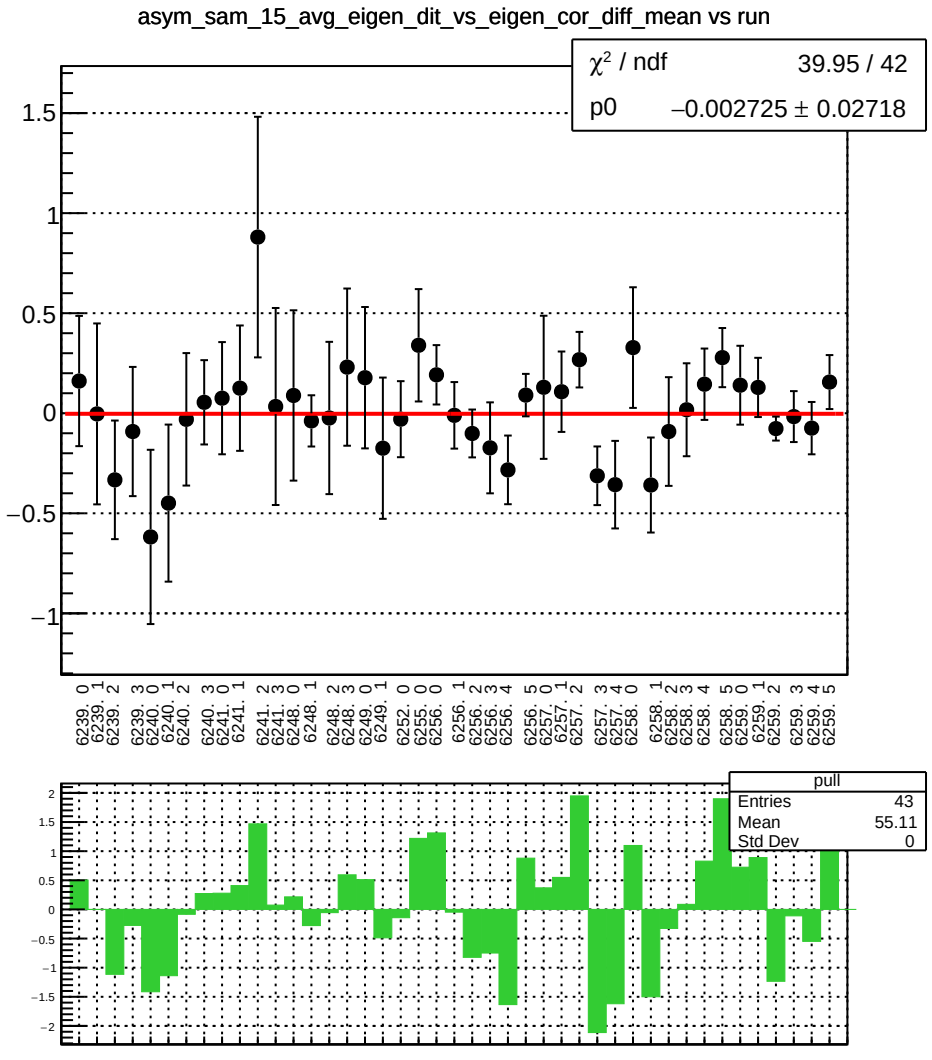

pull1D
Entries 43
Mean −0.05979
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

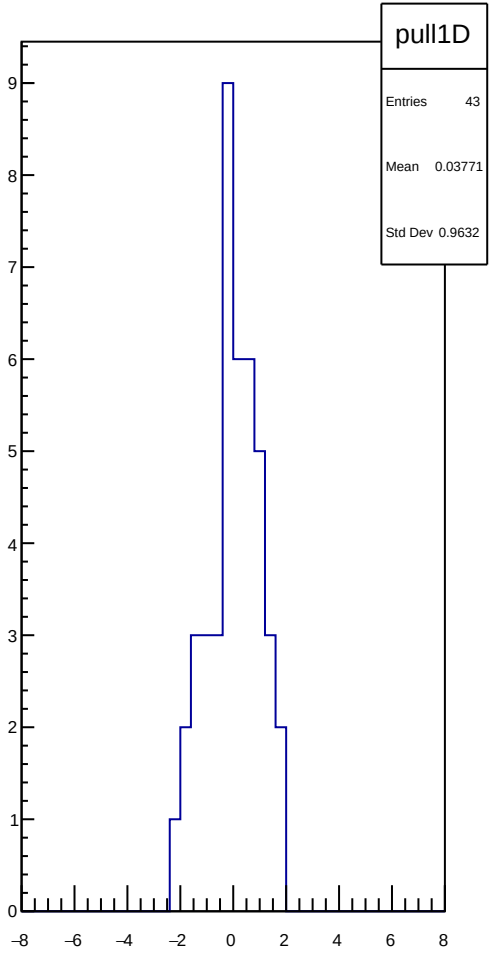

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.54e+05 / 42
p0 0.0005155 ± 6.571e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

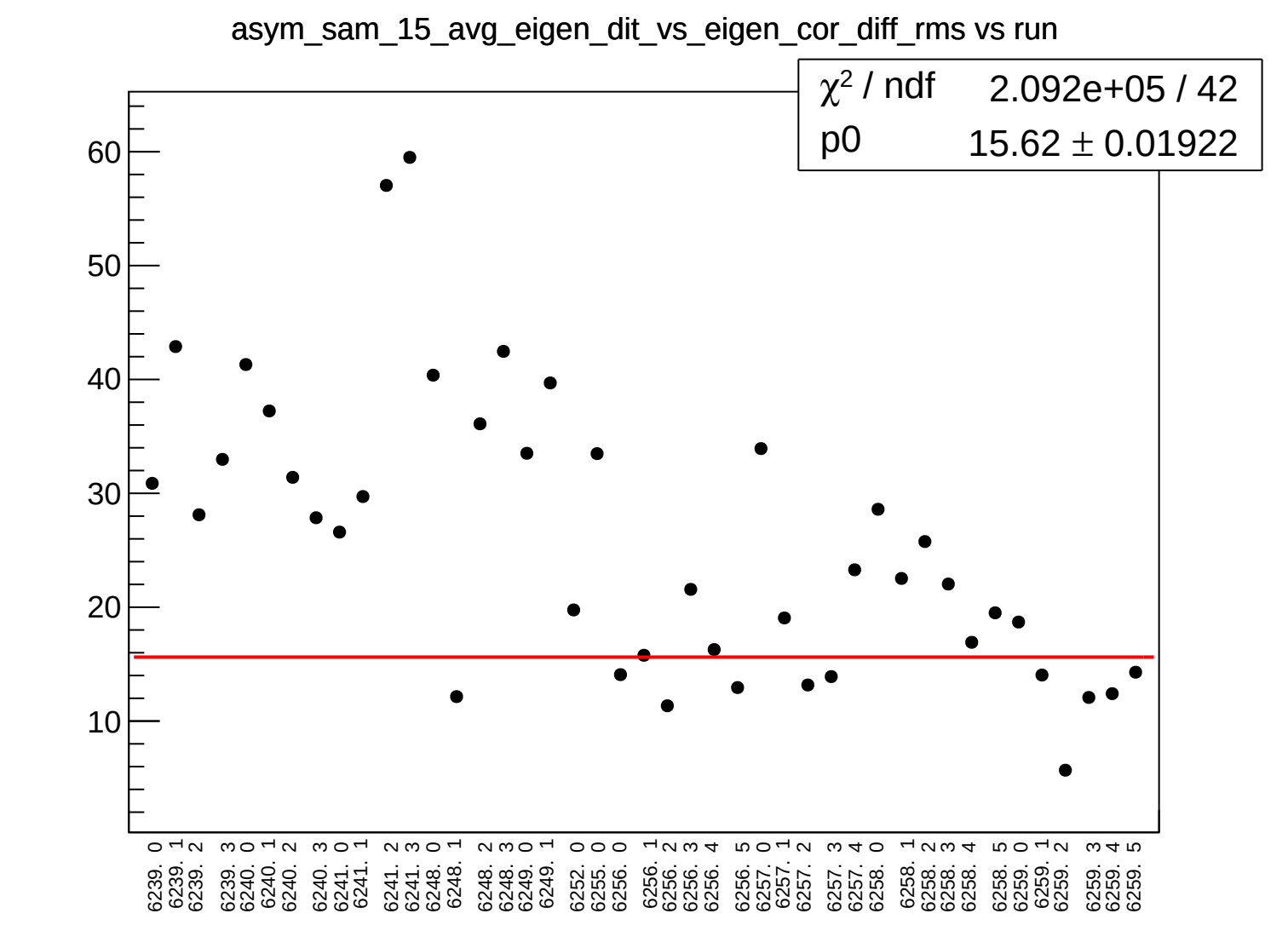

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.95 / 42
p0 −0.002725 ± 0.02718
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

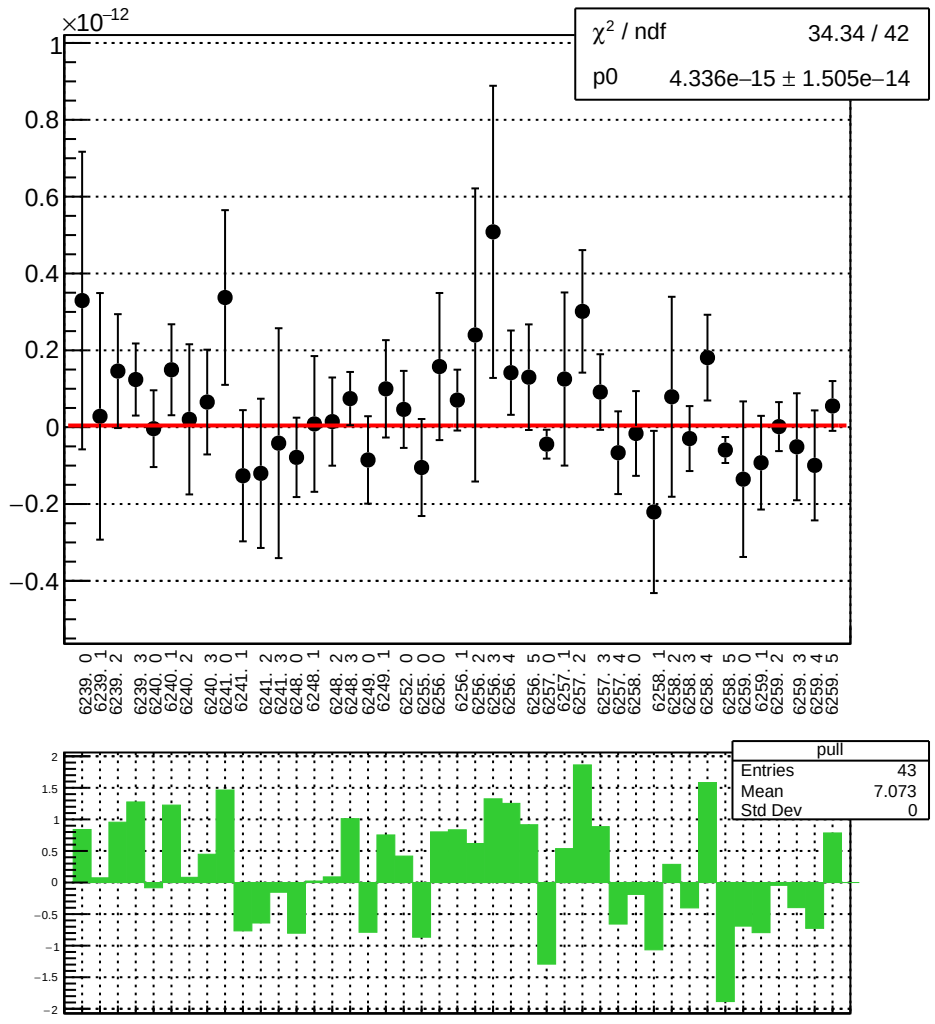

pull1D
Entries 43
Mean 0.03771
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

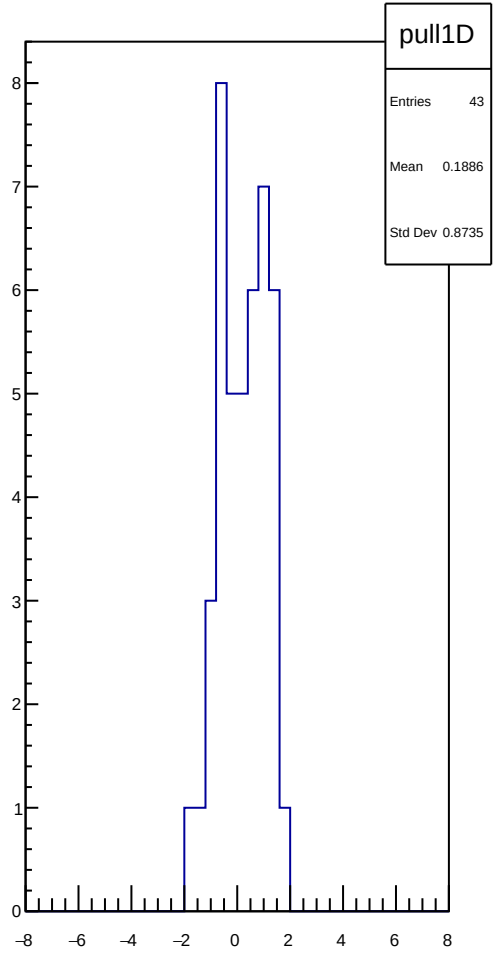

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.092e+05 / 42
p0 15.62 ± 0.01922
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

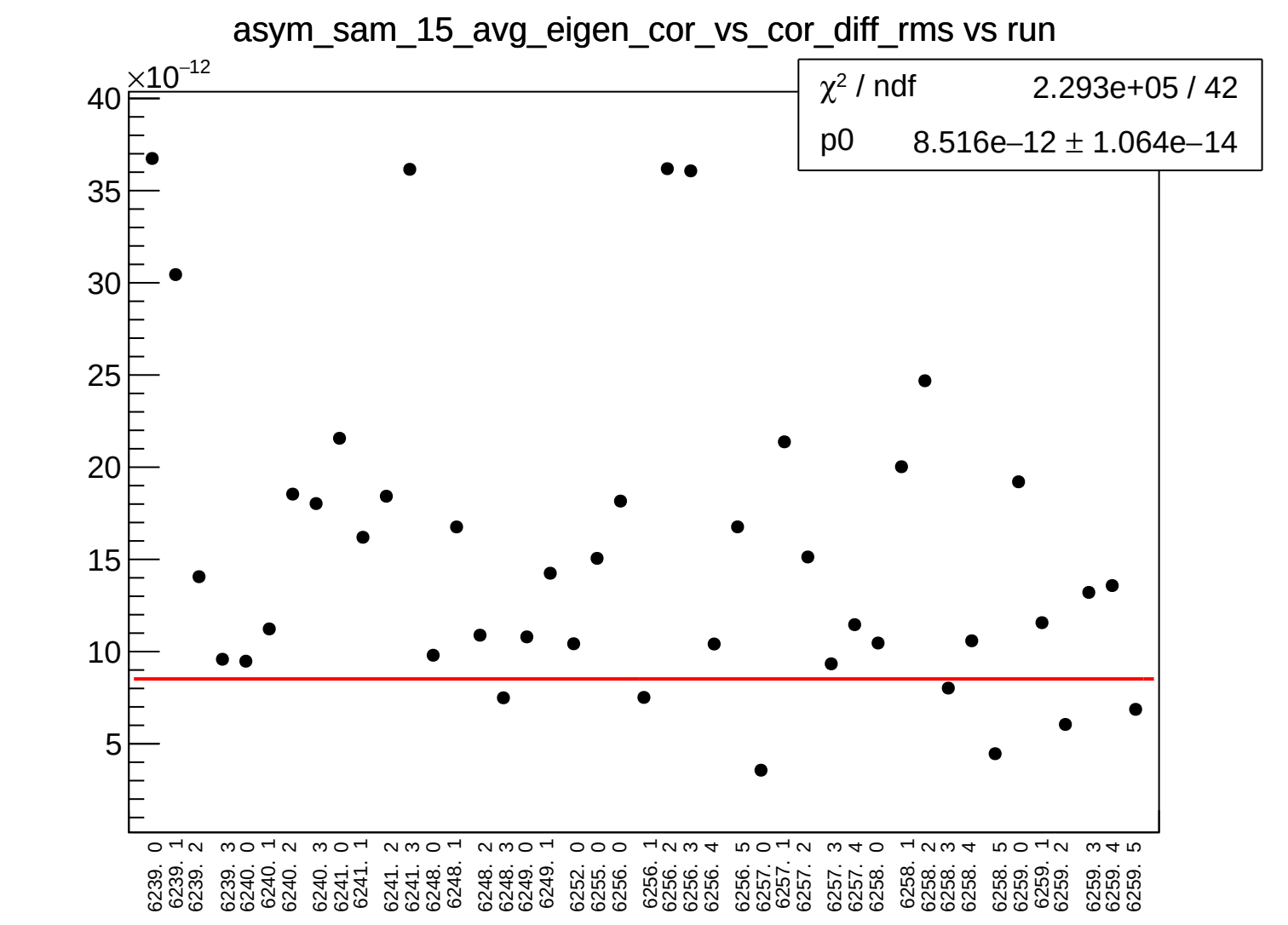

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.95 / 42
p0 −0.002725 ± 0.02718
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

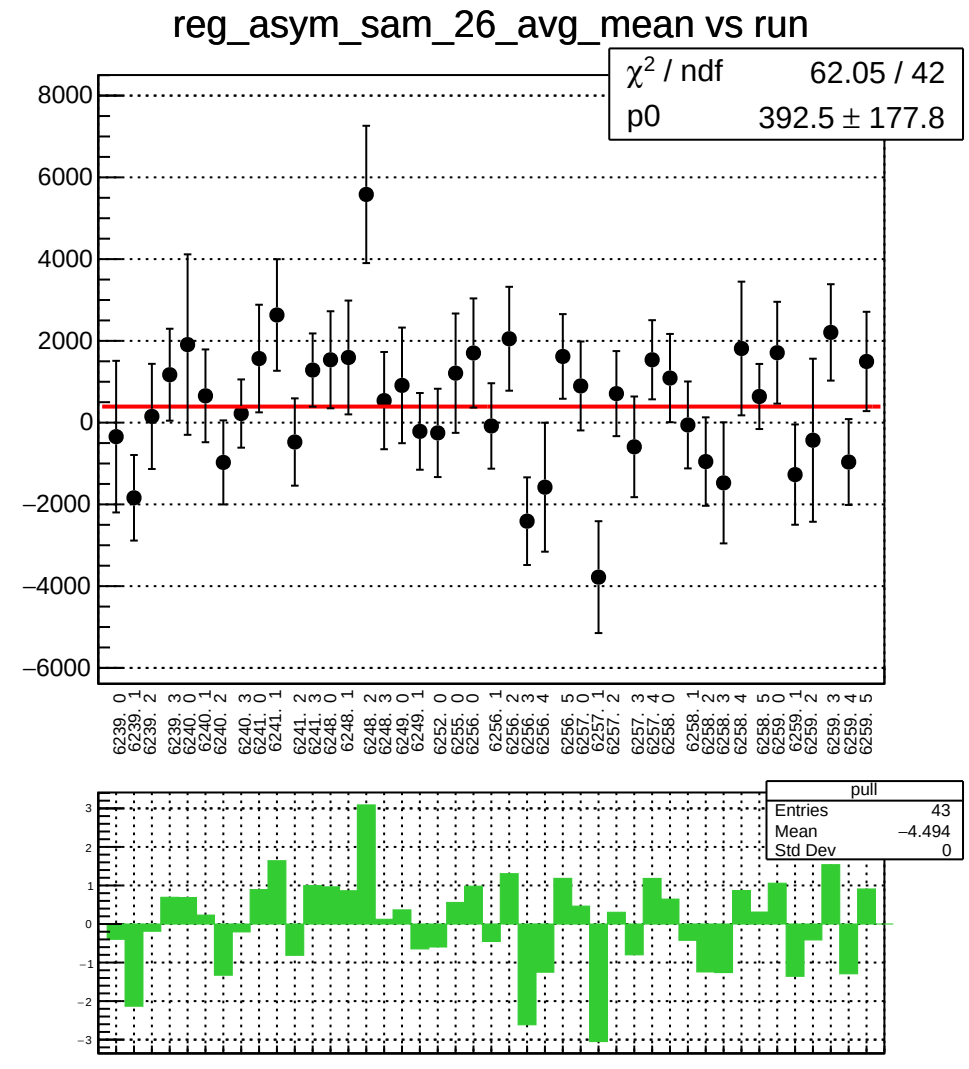

pull1D
Entries 43
Mean 0.03771
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

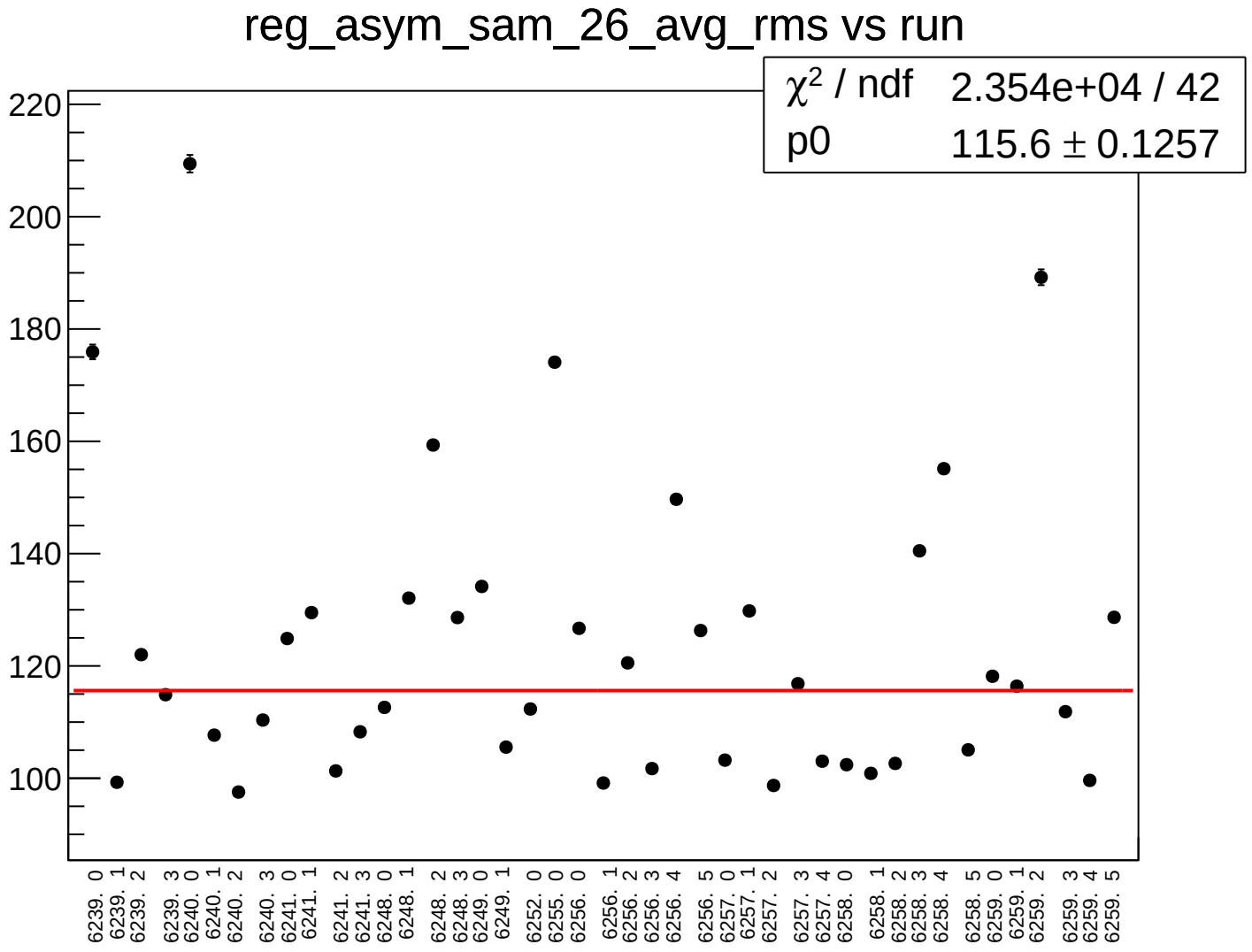

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.092e+05 / 42
p0 15.62 ± 0.01922
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

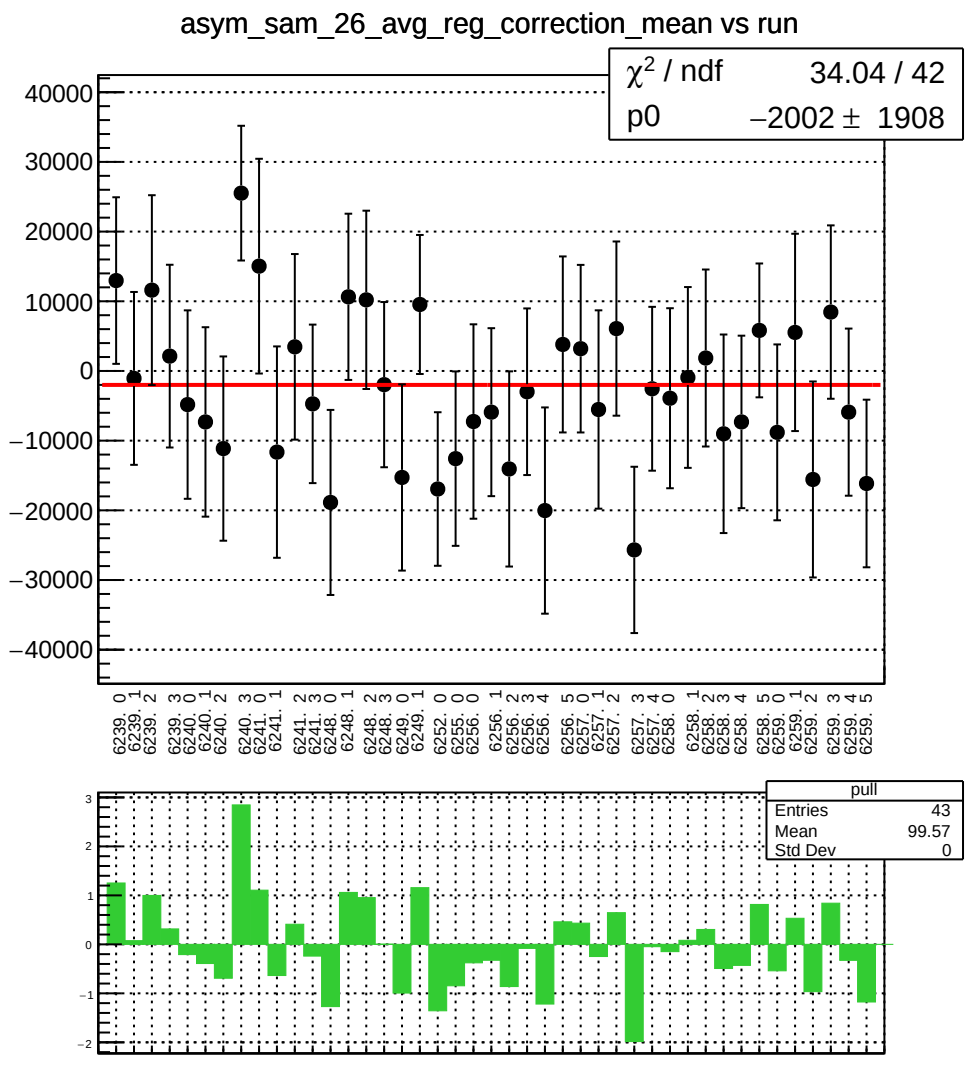

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 34.34 / 42
p0 4.336e−15 ± 1.505e−14
pull
Entries 43
Mean 7.073
Std Dev 0

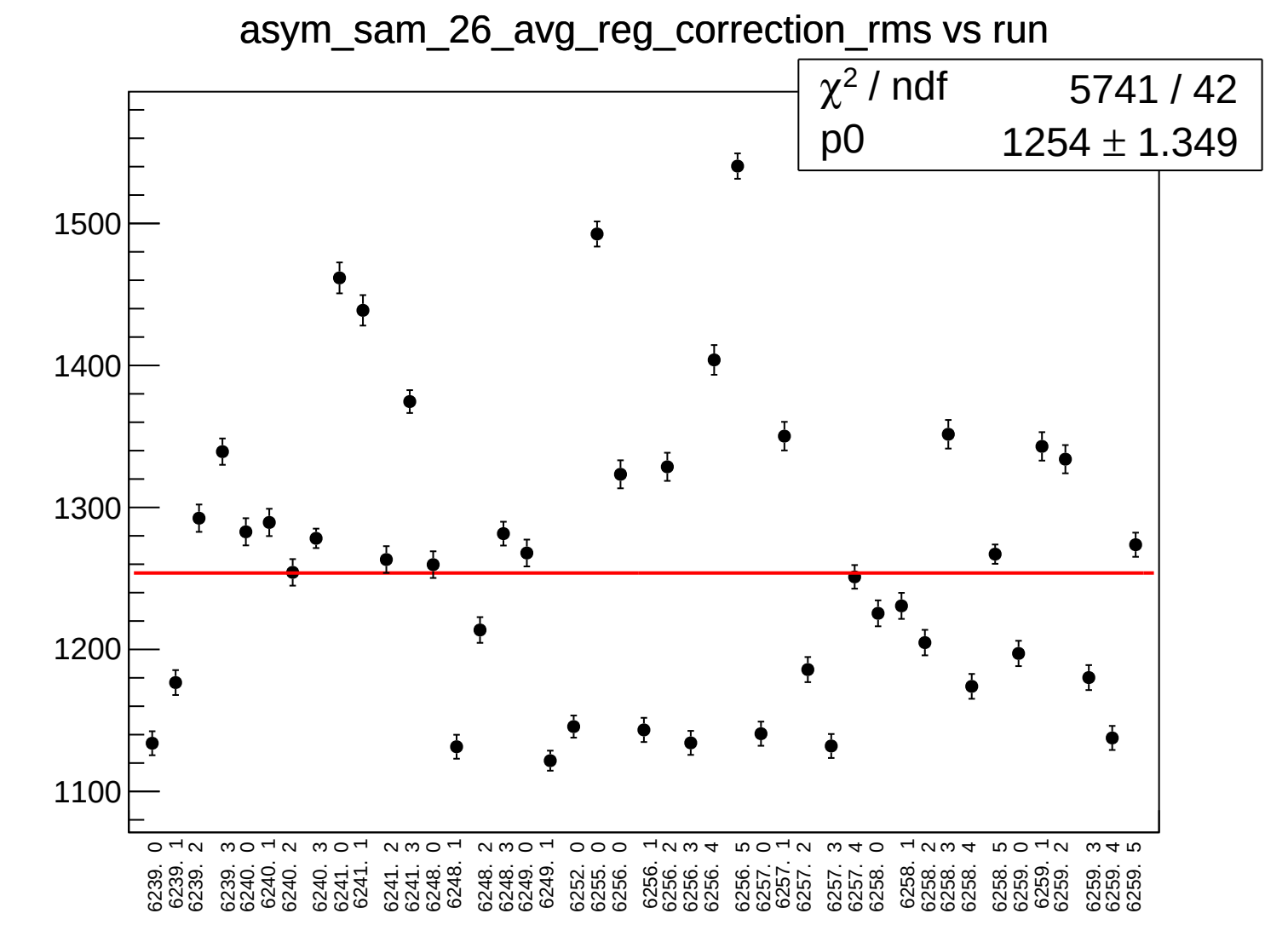

pull1D
Entries 43
Mean 0.1886
Std Dev 0.8735

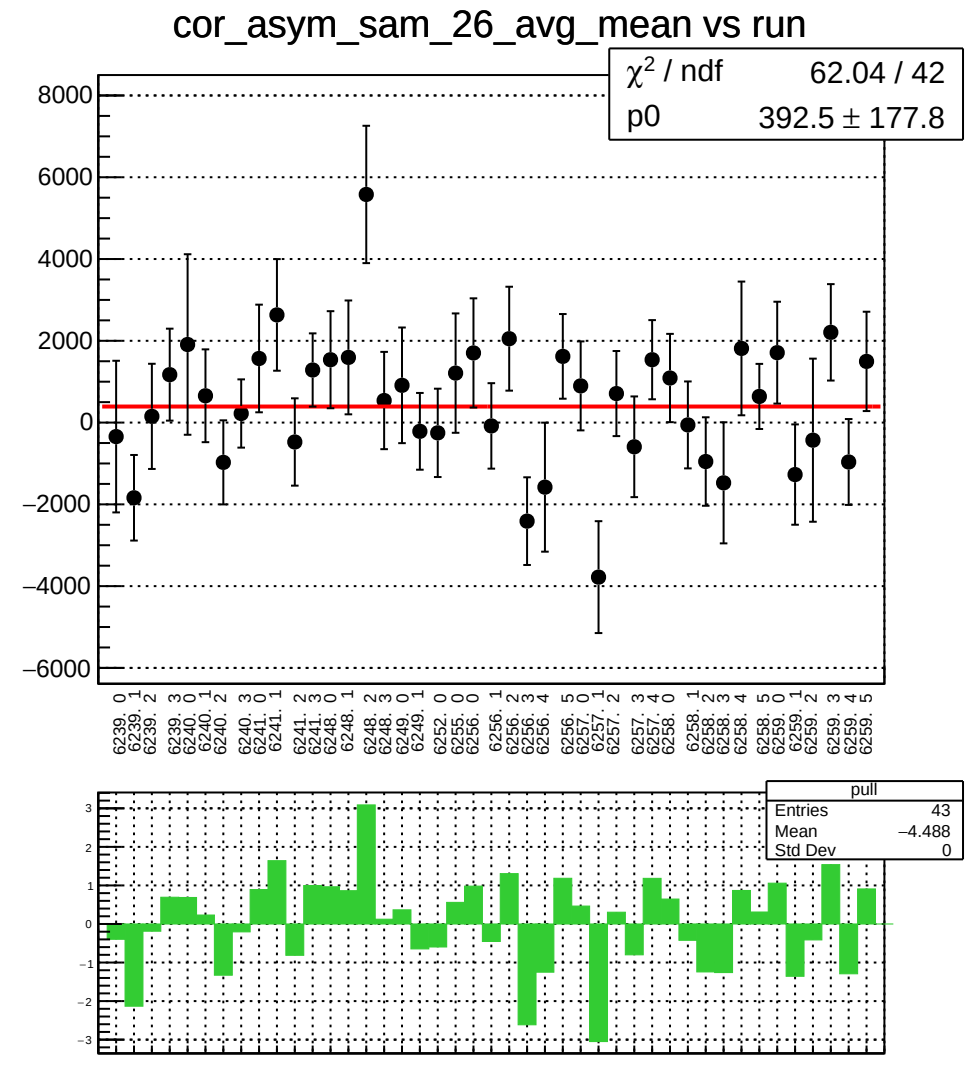

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.293e+05 / 42
p0 8.516e−12 ± 1.064e−14
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

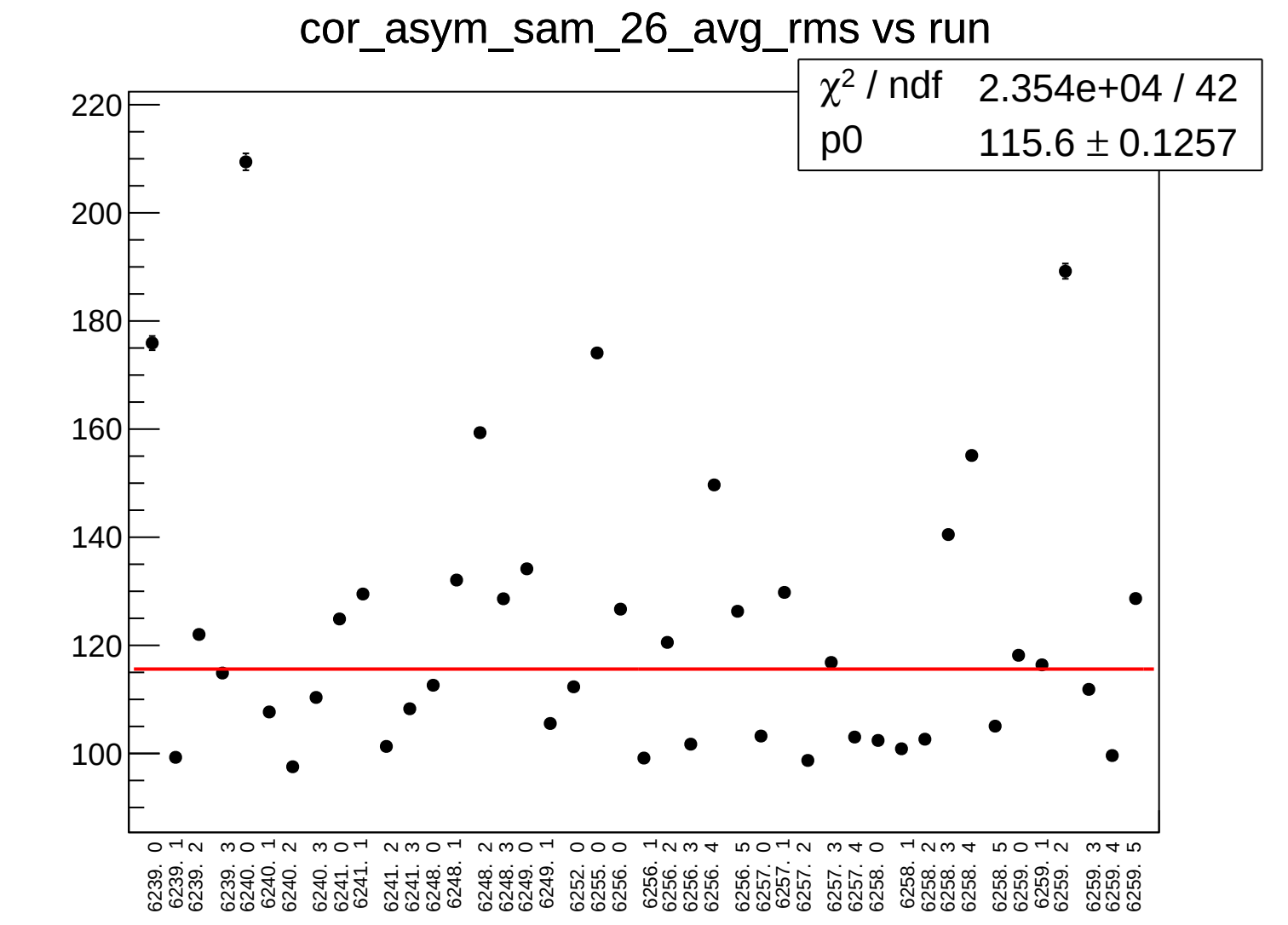

reg_asym_sam_26_avg_mean vs run
χ² / ndf 62.05 / 42
p0 392.5 ± 177.8
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4.494
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03282
Std Dev 1.201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

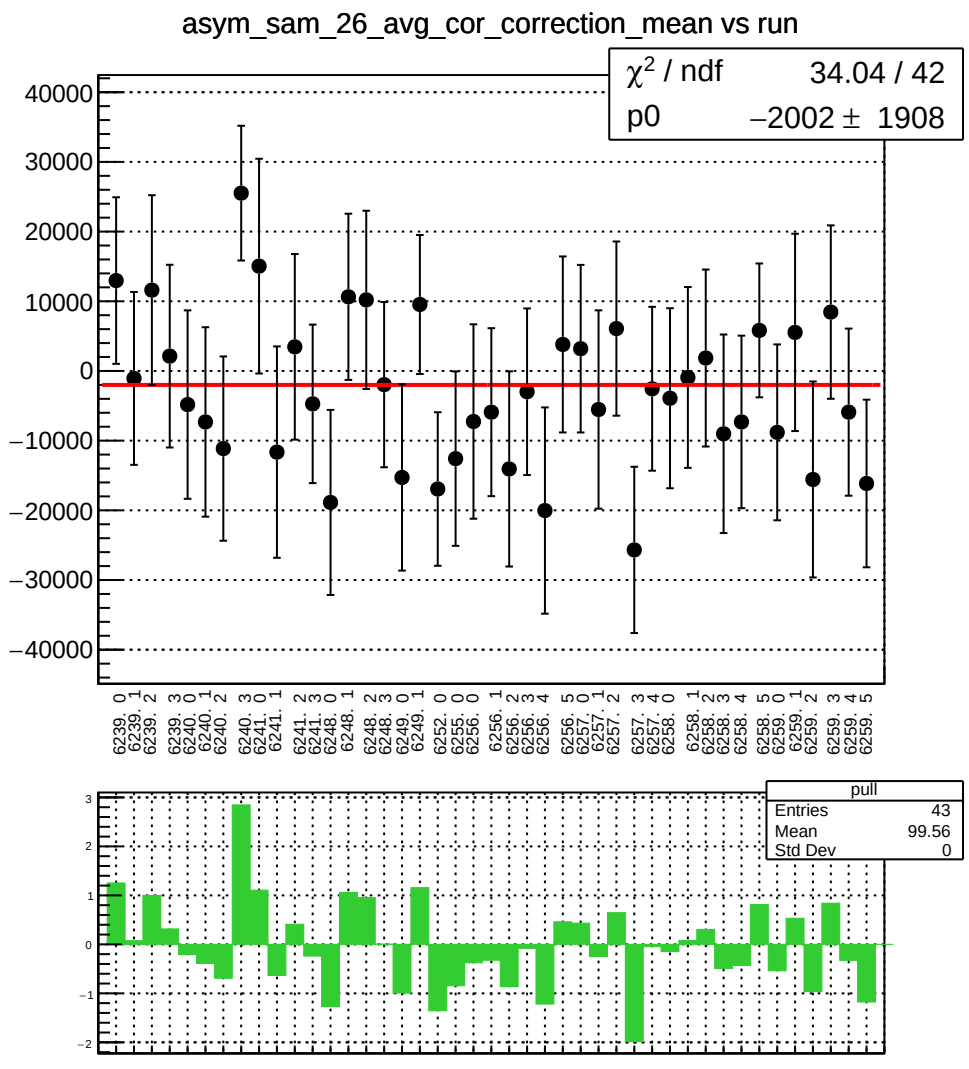

reg_asym_sam_26_avg_rms vs run
χ² / ndf 2.354e+04 / 42
p0 115.6 ± 0.1257
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

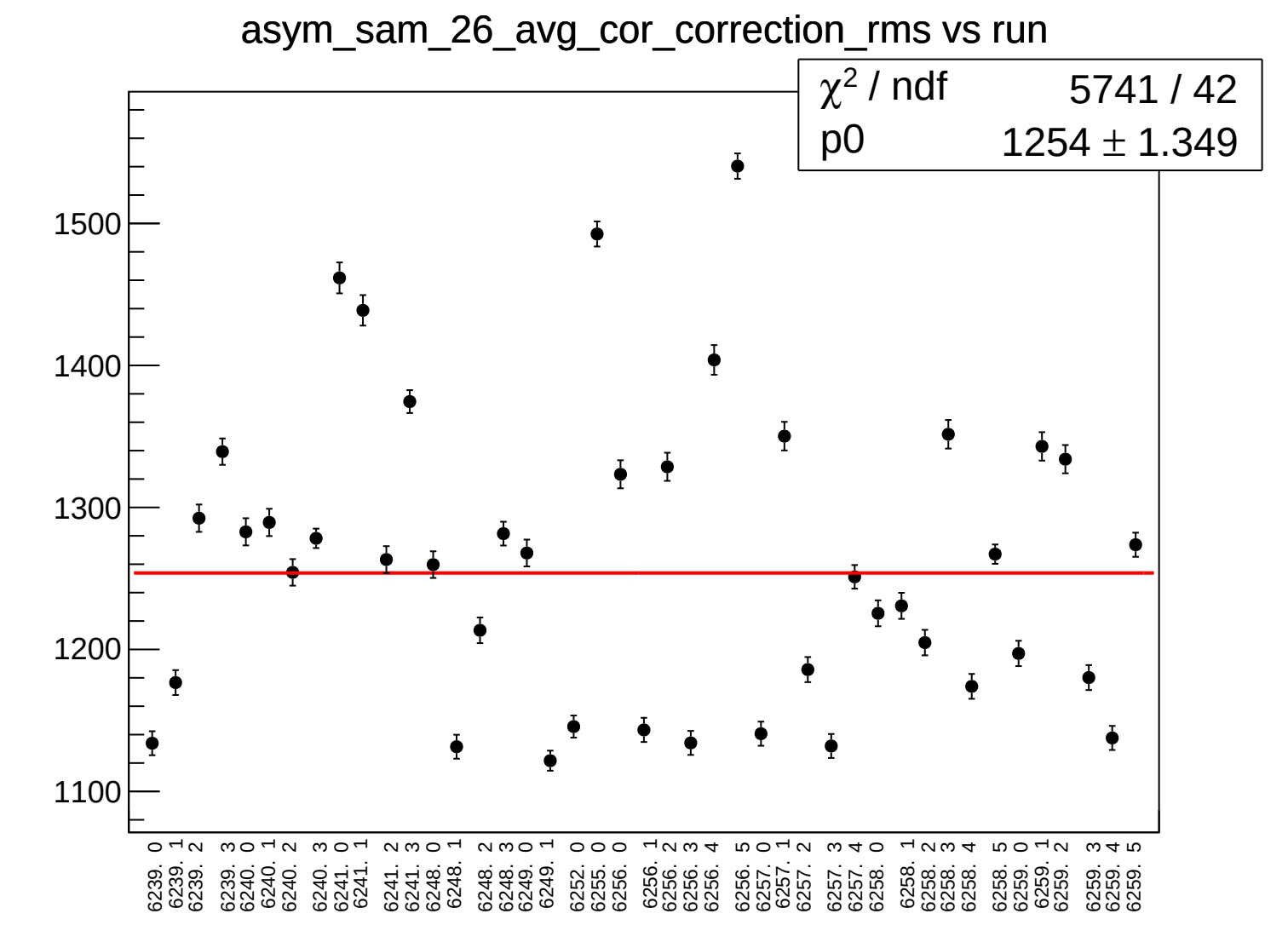

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 34.04 / 42
p0 −2002 ± 1908
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 99.57
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03621
Std Dev 0.889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

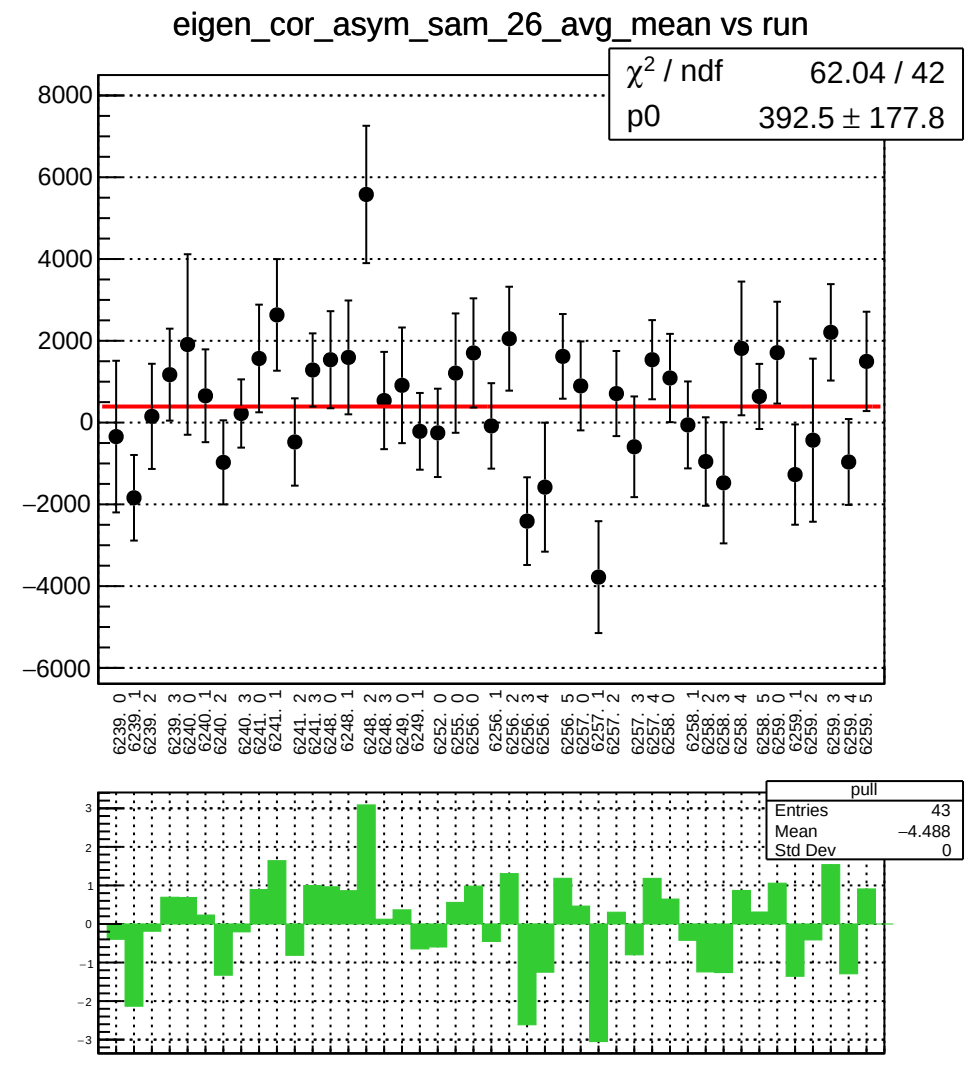

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 5741 / 42
p0 1254 ± 1.349
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

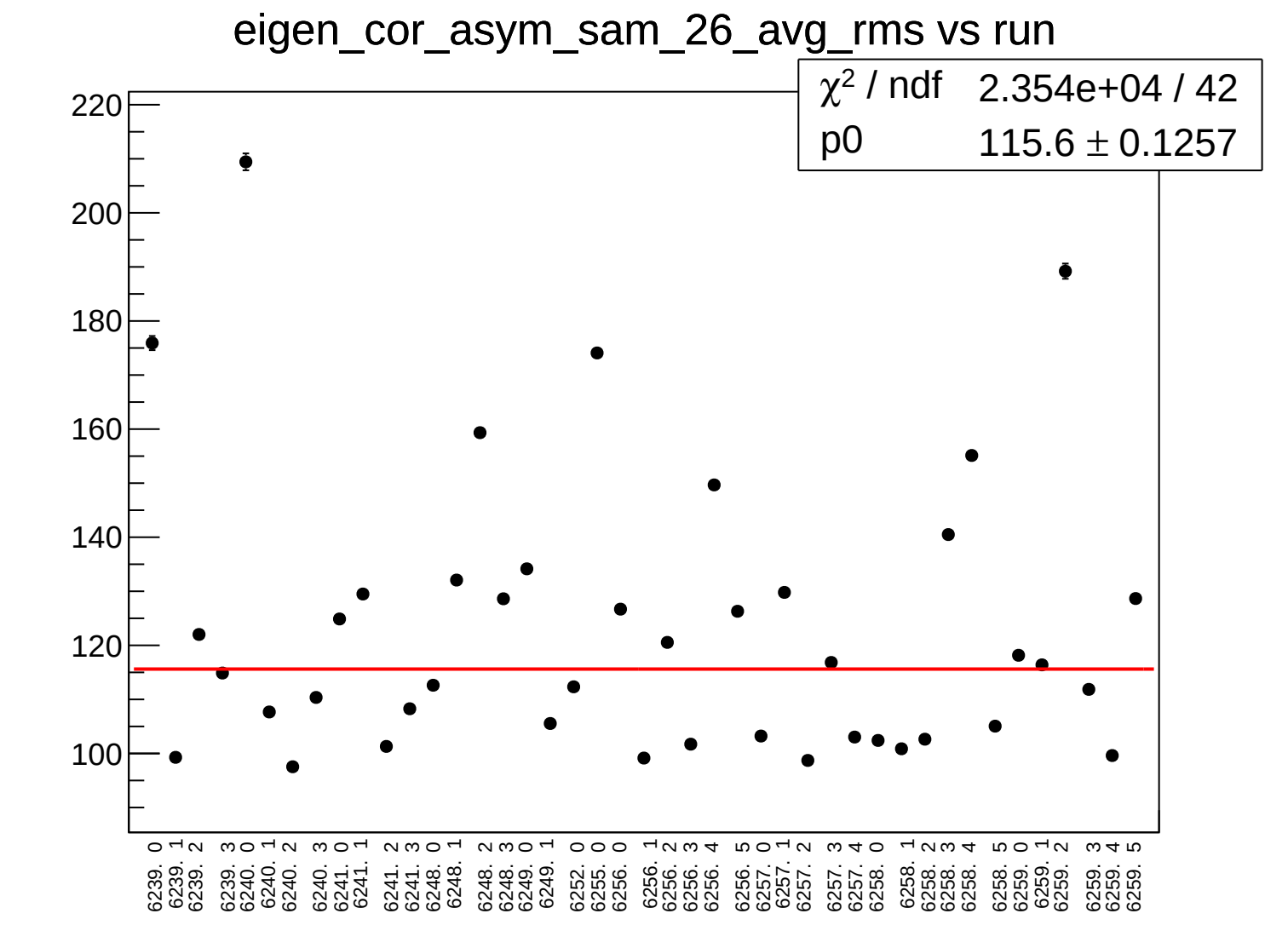

cor_asym_sam_26_avg_mean vs run
χ² / ndf 62.04 / 42
p0 392.5 ± 177.8
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4.488
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03282
Std Dev 1.201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

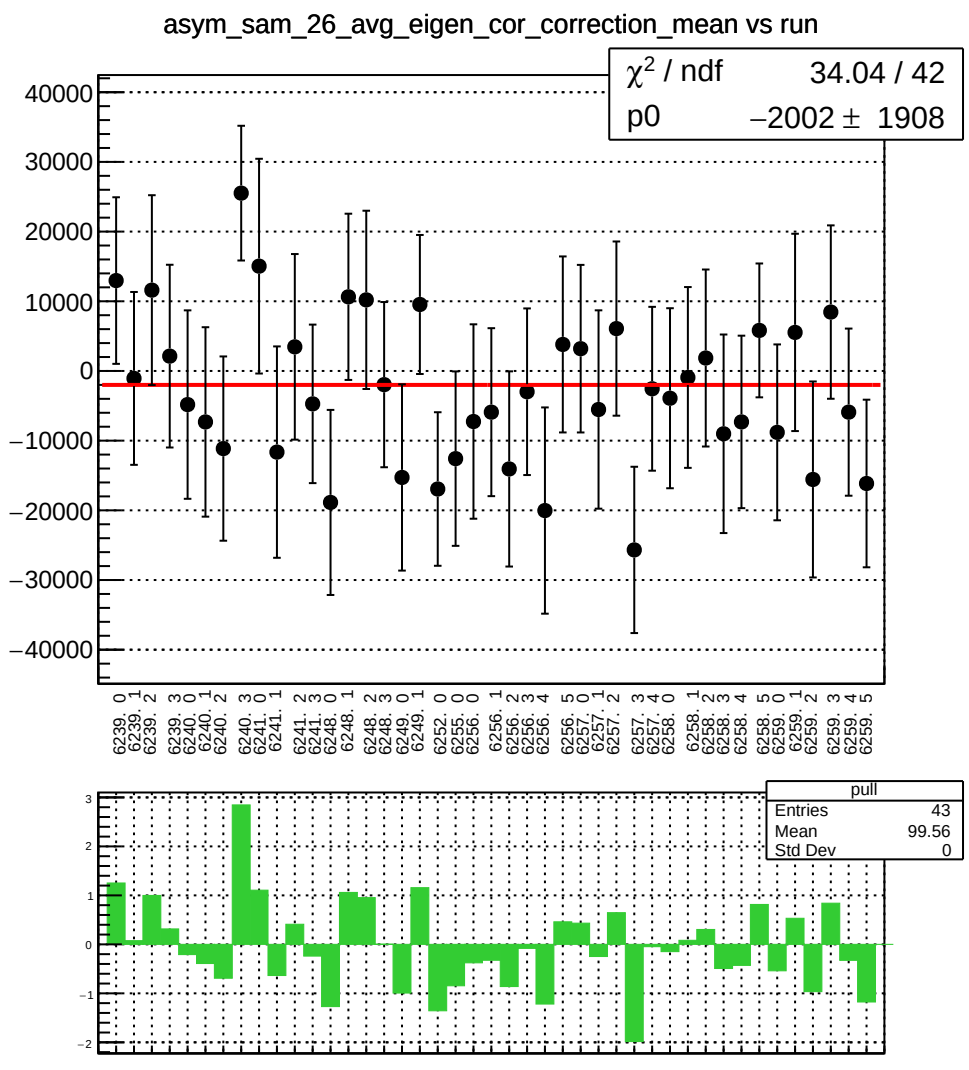

cor_asym_sam_26_avg_rms vs run
χ² / ndf 2.354e+04 / 42
p0 115.6 ± 0.1257
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

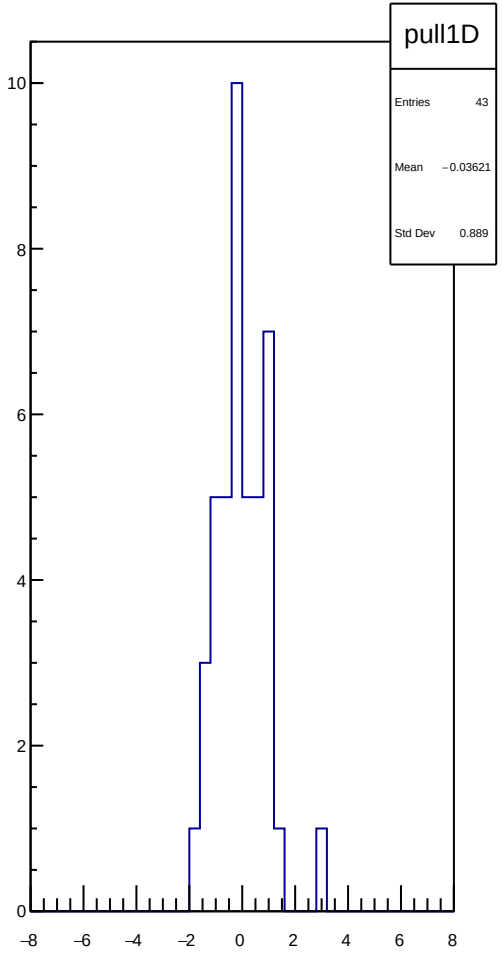

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 34.04 / 42
p0 −2002 ± 1908
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 99.56
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03621
Std Dev 0.889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

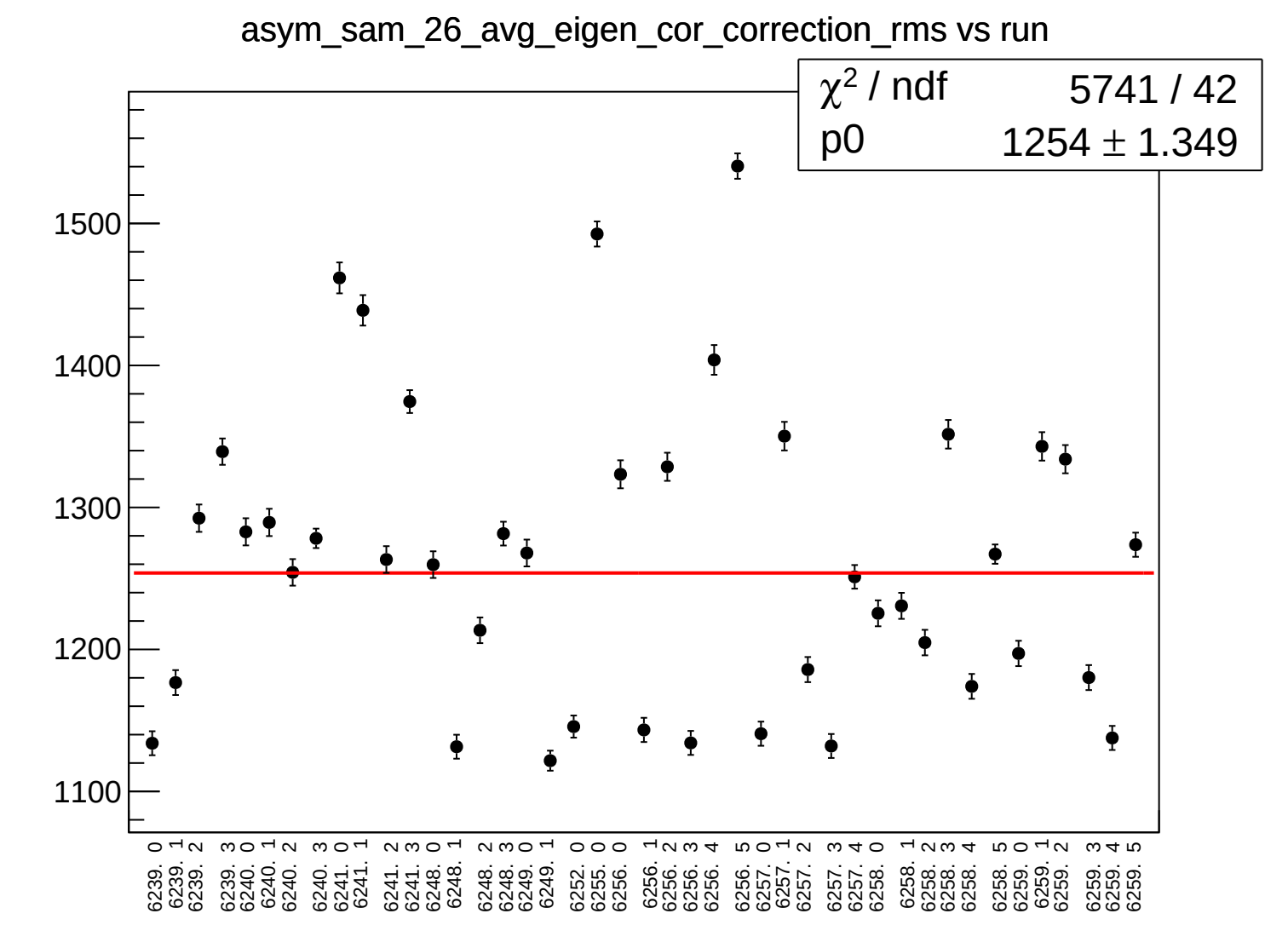

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 5741 / 42
p0 1254 ± 1.349
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

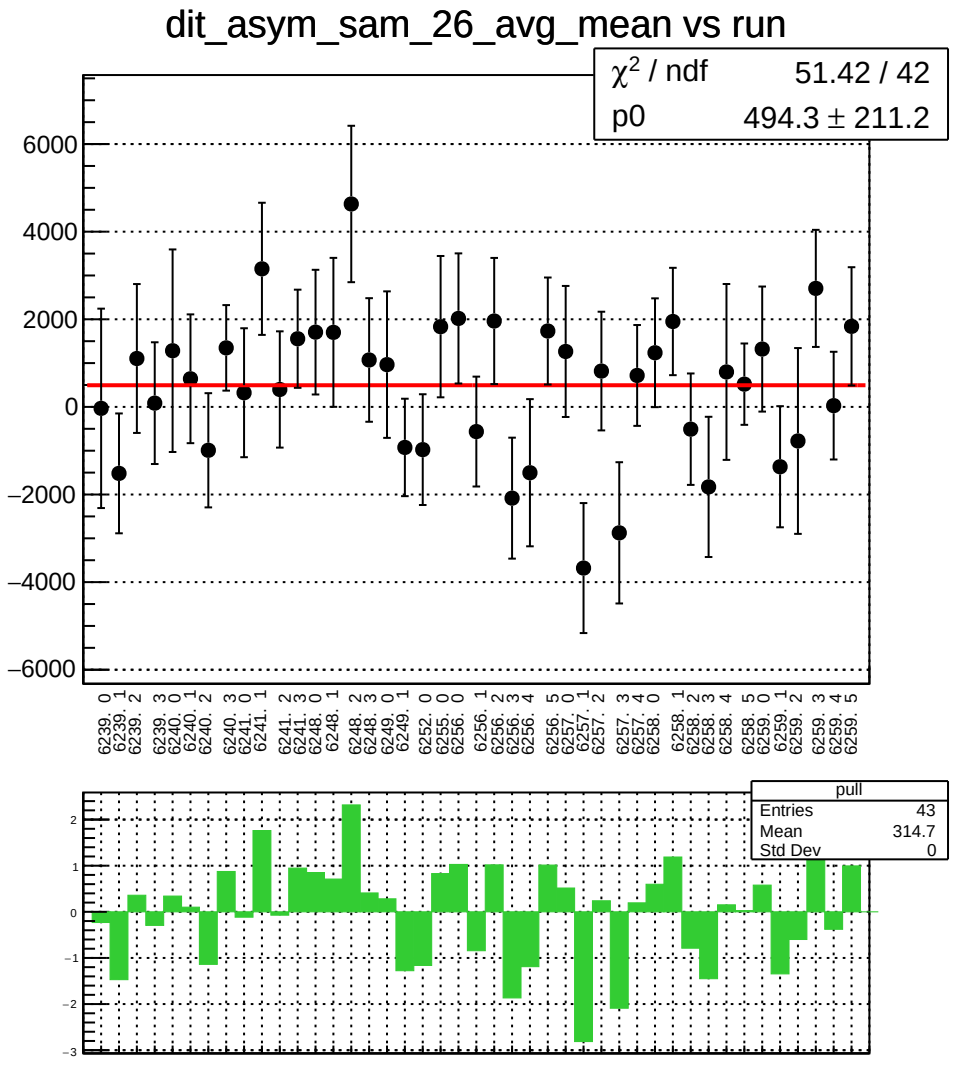

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 62.04 / 42
p0 392.5 ± 177.8
8000
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4.488
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03282
Std Dev 1.201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

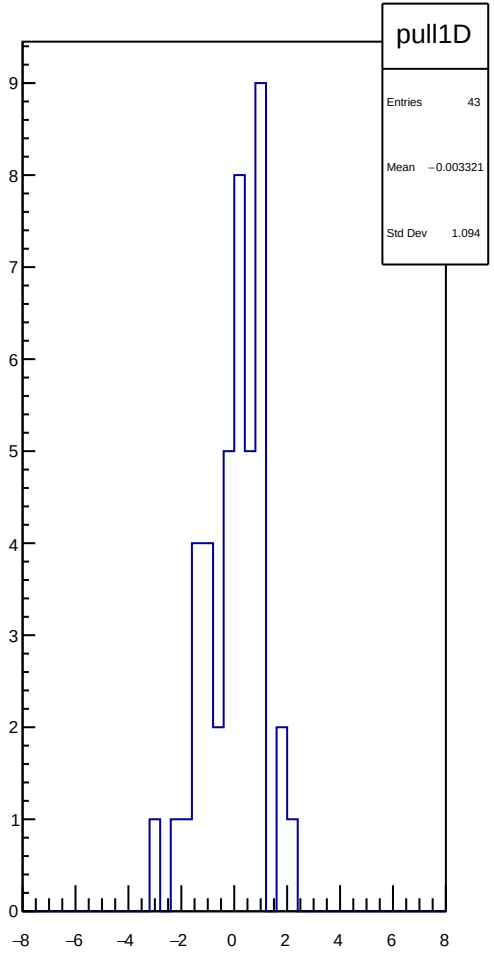

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 2.354e+04 / 42
p0 115.6 ± 0.1257
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

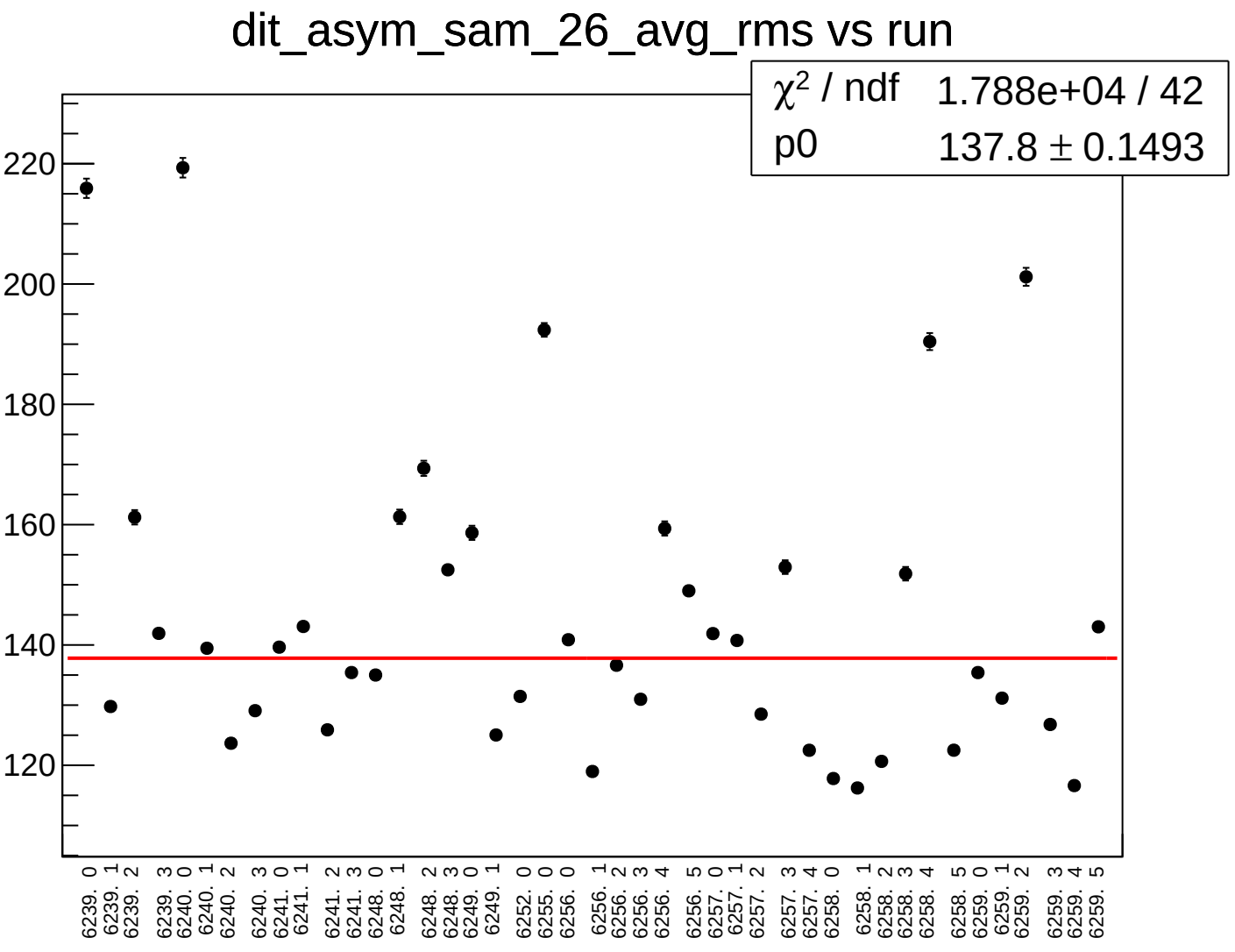

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 34.04 / 42
p0 −2002 ± 1908
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 99.56
Std Dev 0
3
2
1
0
−1
−2

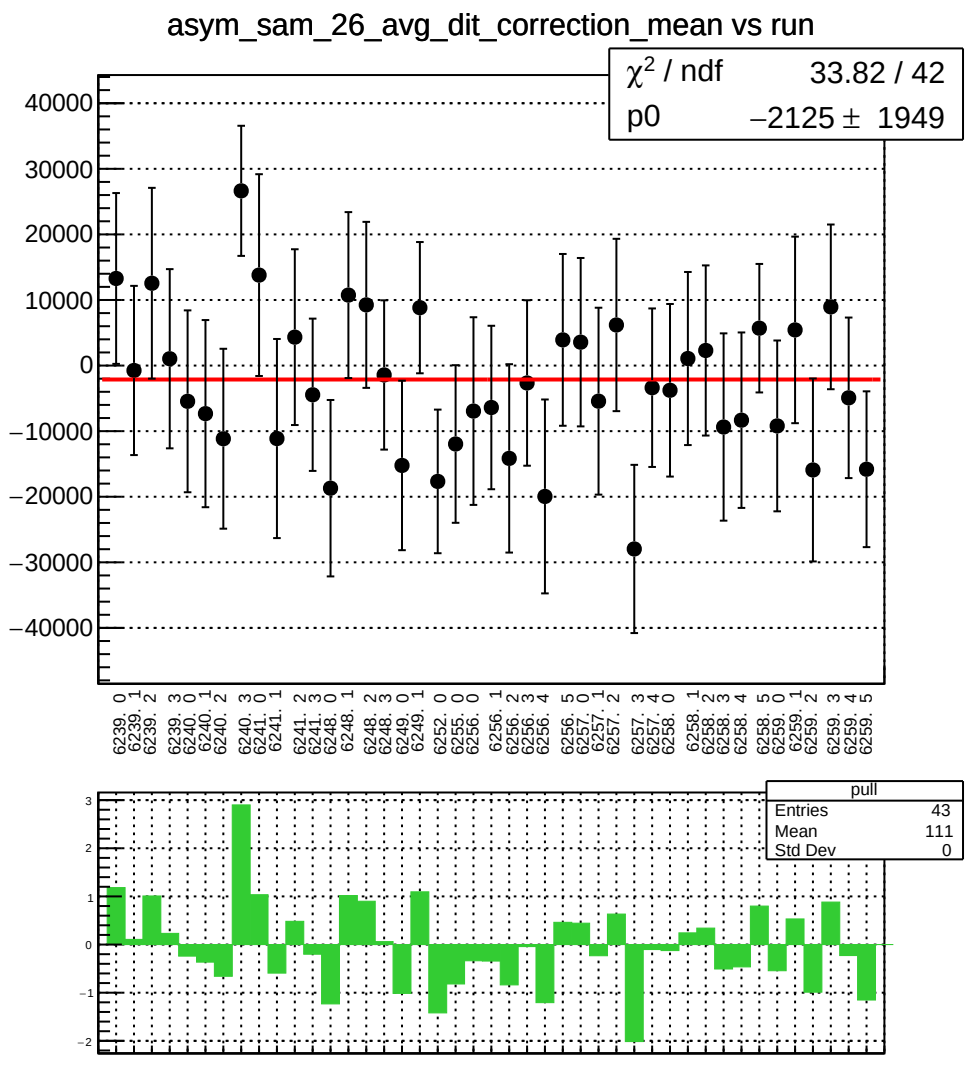

pull1D
Entries 43
Mean −0.03621
Std Dev 0.889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

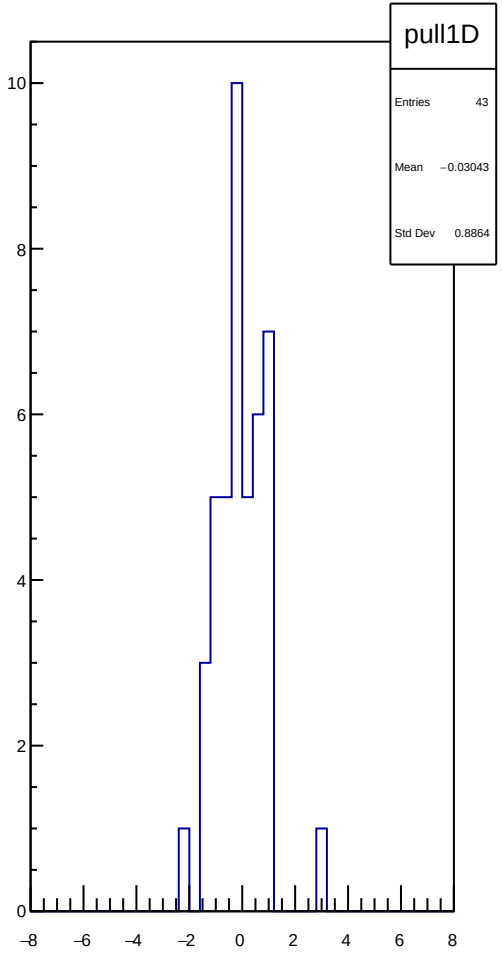

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 5741 / 42
p0 1254 ± 1.349
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

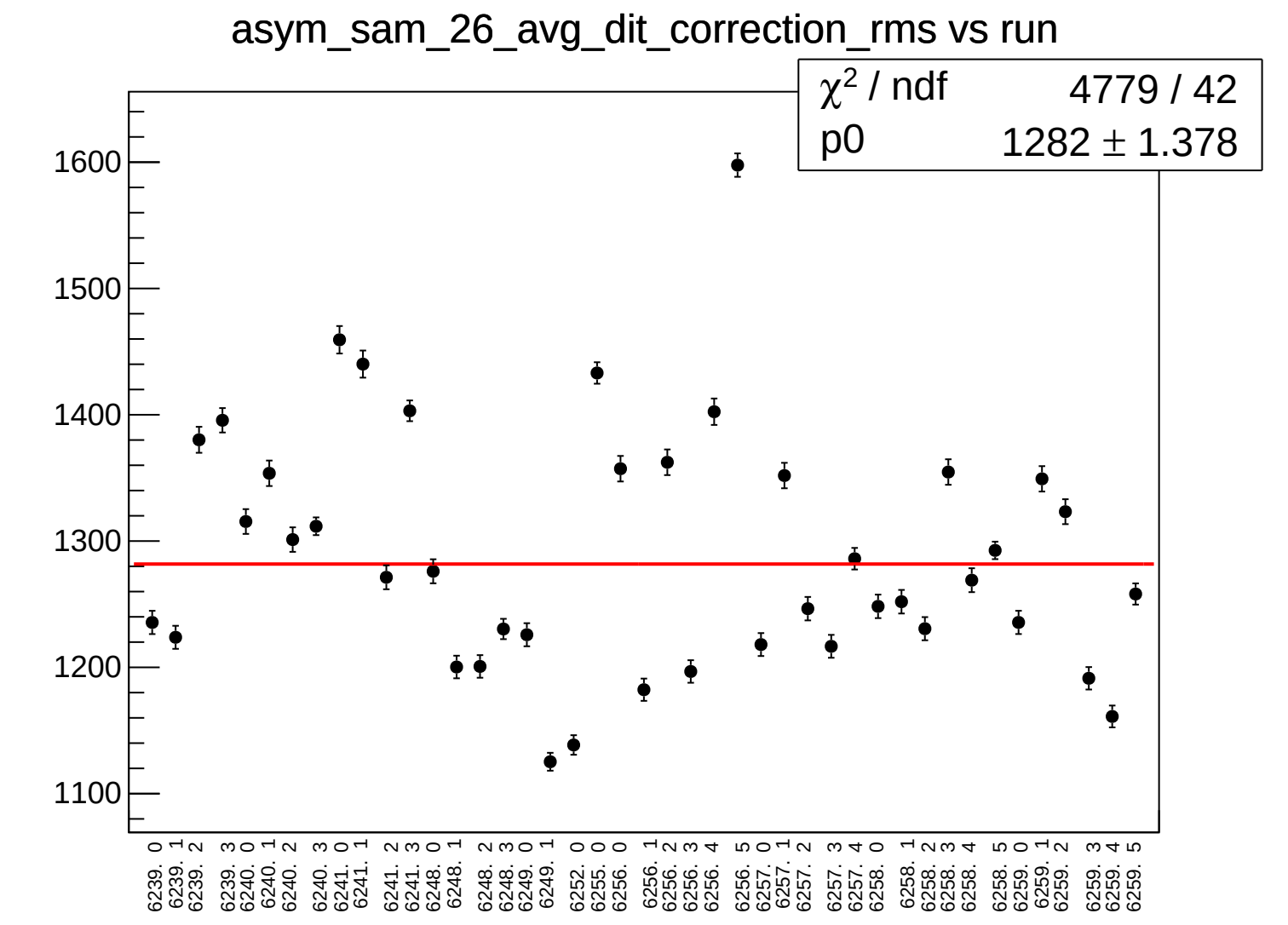

dit_asym_sam_26_avg_mean vs run
χ² / ndf 51.42 / 42
p0 494.3 ± 211.2
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 314.7
Std Dev 0
2
1
0
−1
−2
−3

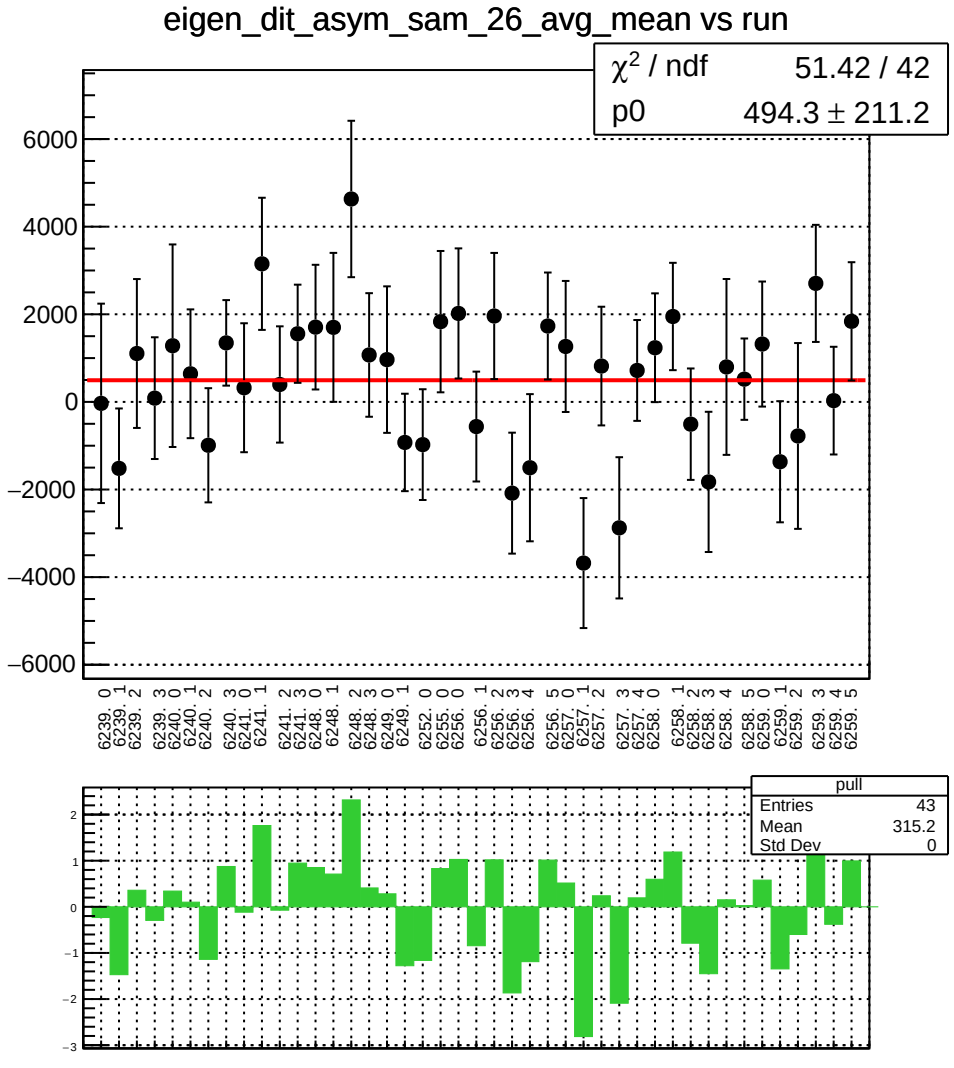

pull1D
Entries 43
Mean −0.003321
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

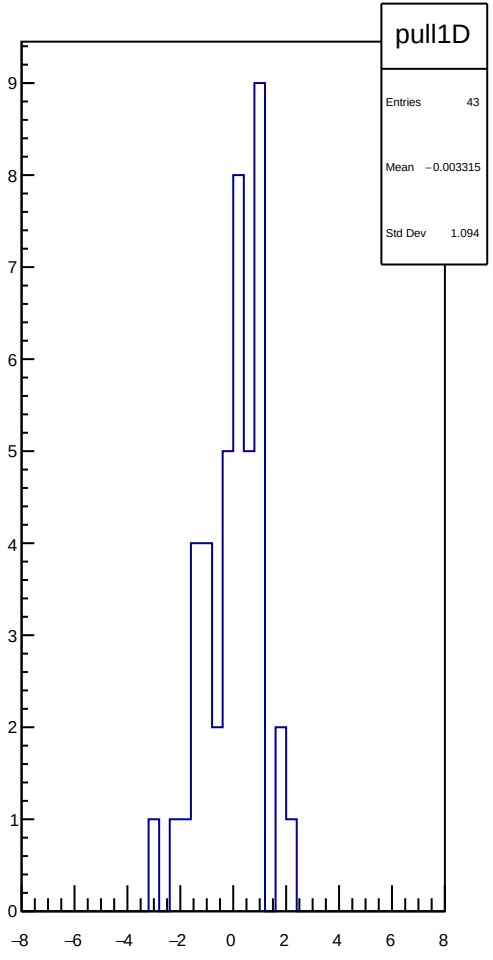

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.788e+04 / 42
p0 137.8 ± 0.1493
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

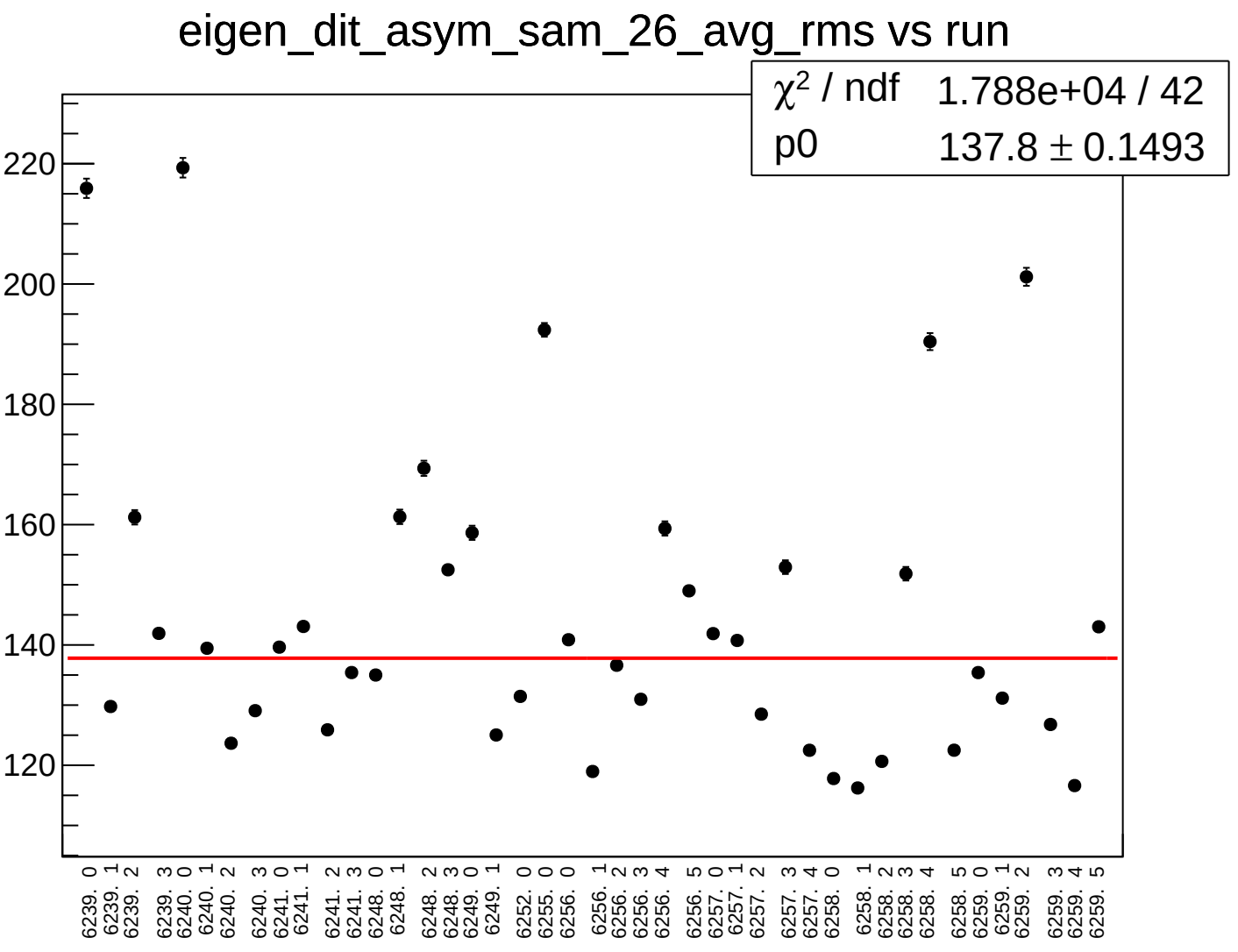

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 33.82 / 42
p0 −2125 ± 1949
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111
Std Dev 0
3
2
1
0
−1
−2

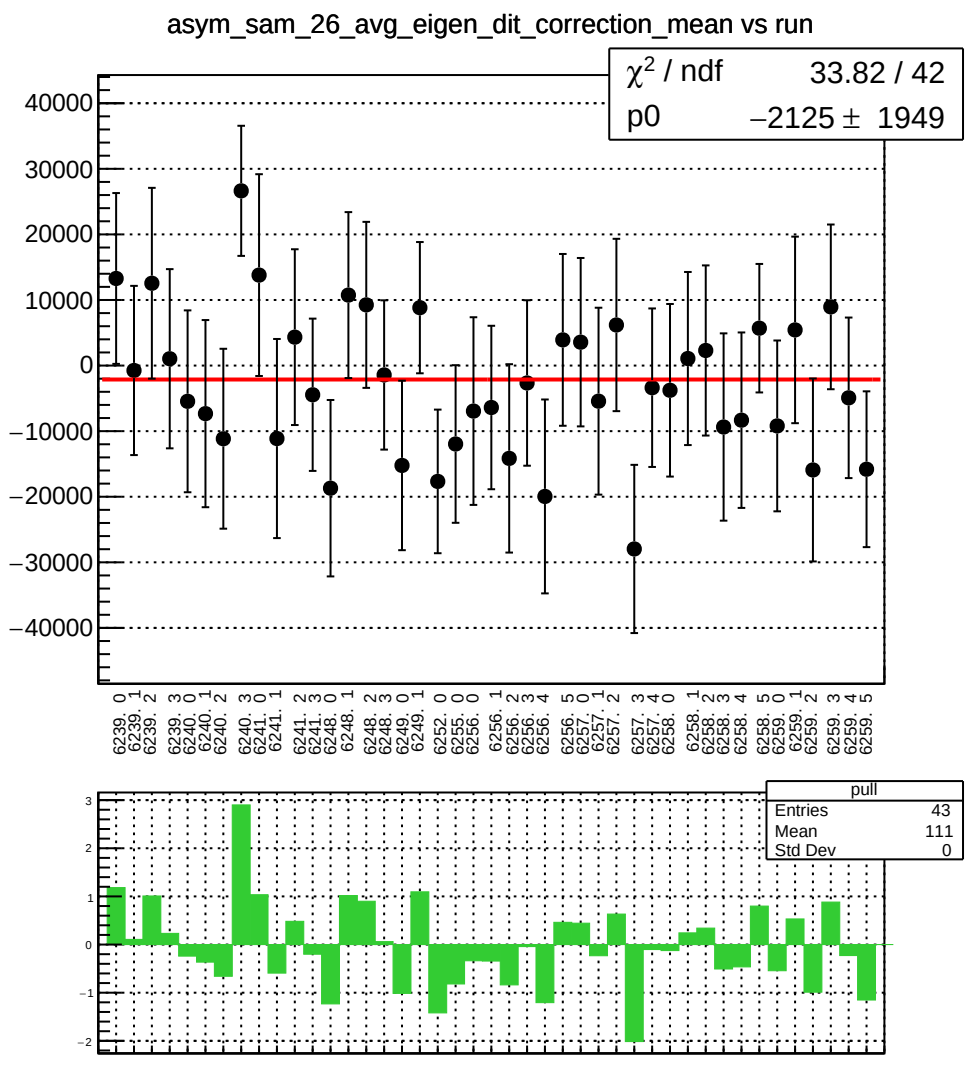

pull1D
Entries 43
Mean −0.03043
Std Dev 0.8864
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

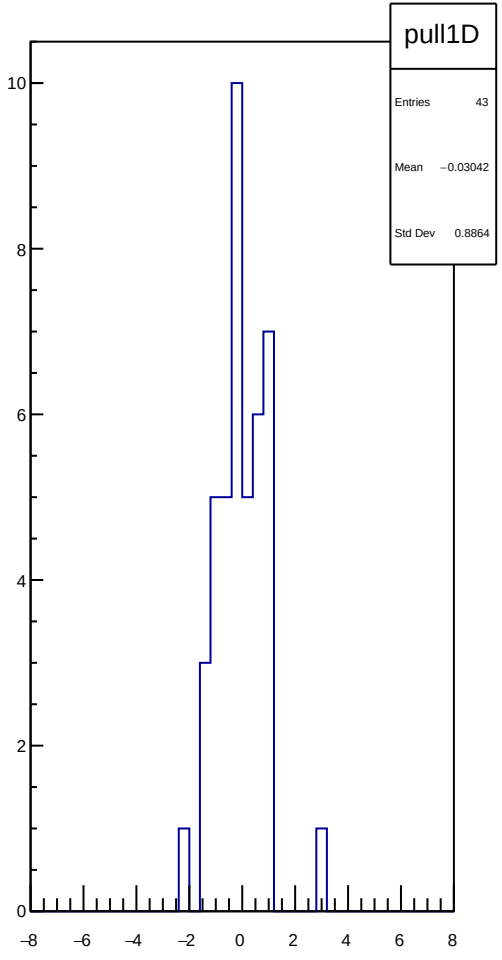

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 4779 / 42
p0 1282 ± 1.378
1600
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

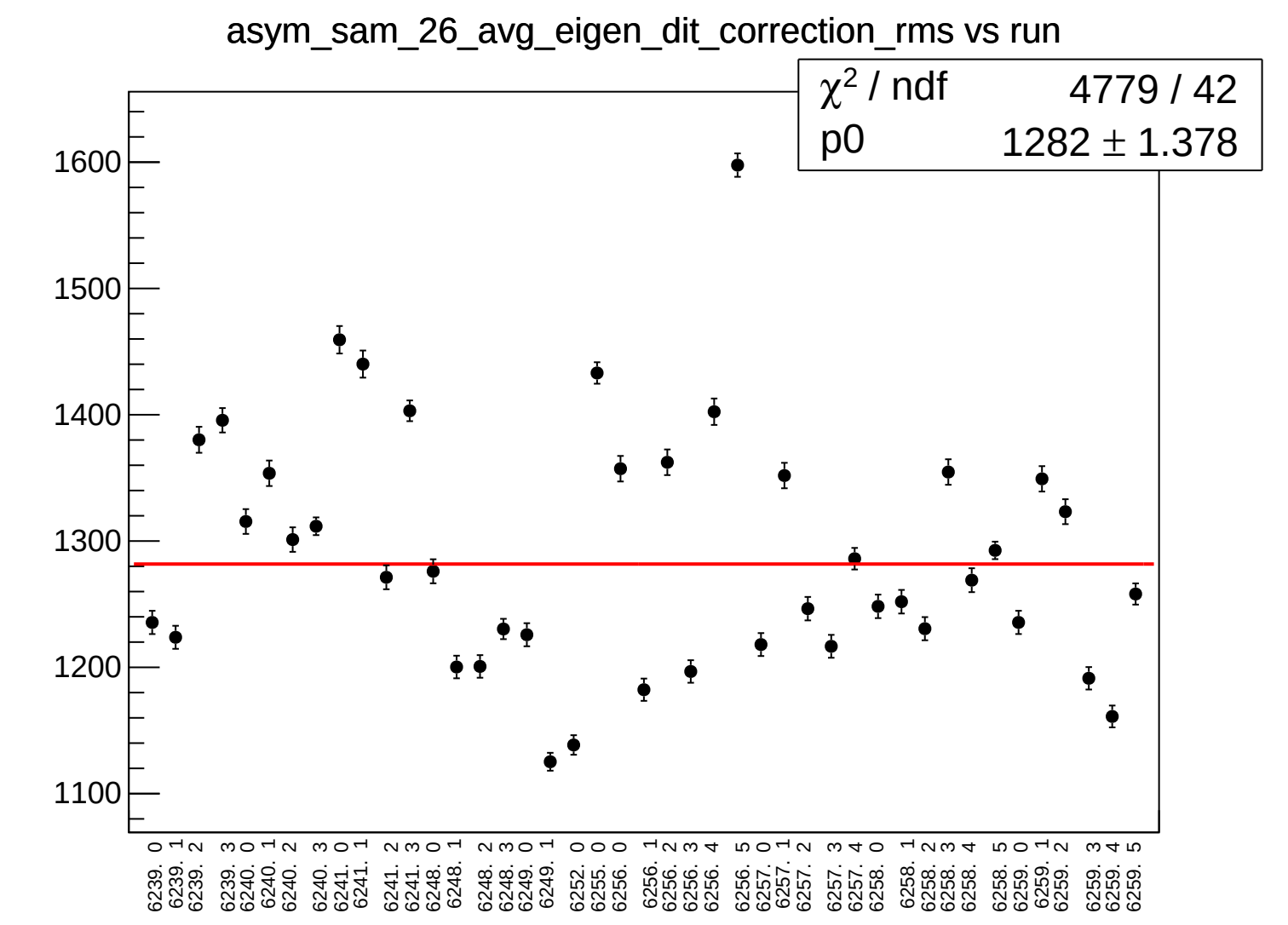

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 51.42 / 42
p0 494.3 ± 211.2
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 315.2
Std Dev 0
2
1
0
−1
−2
−3

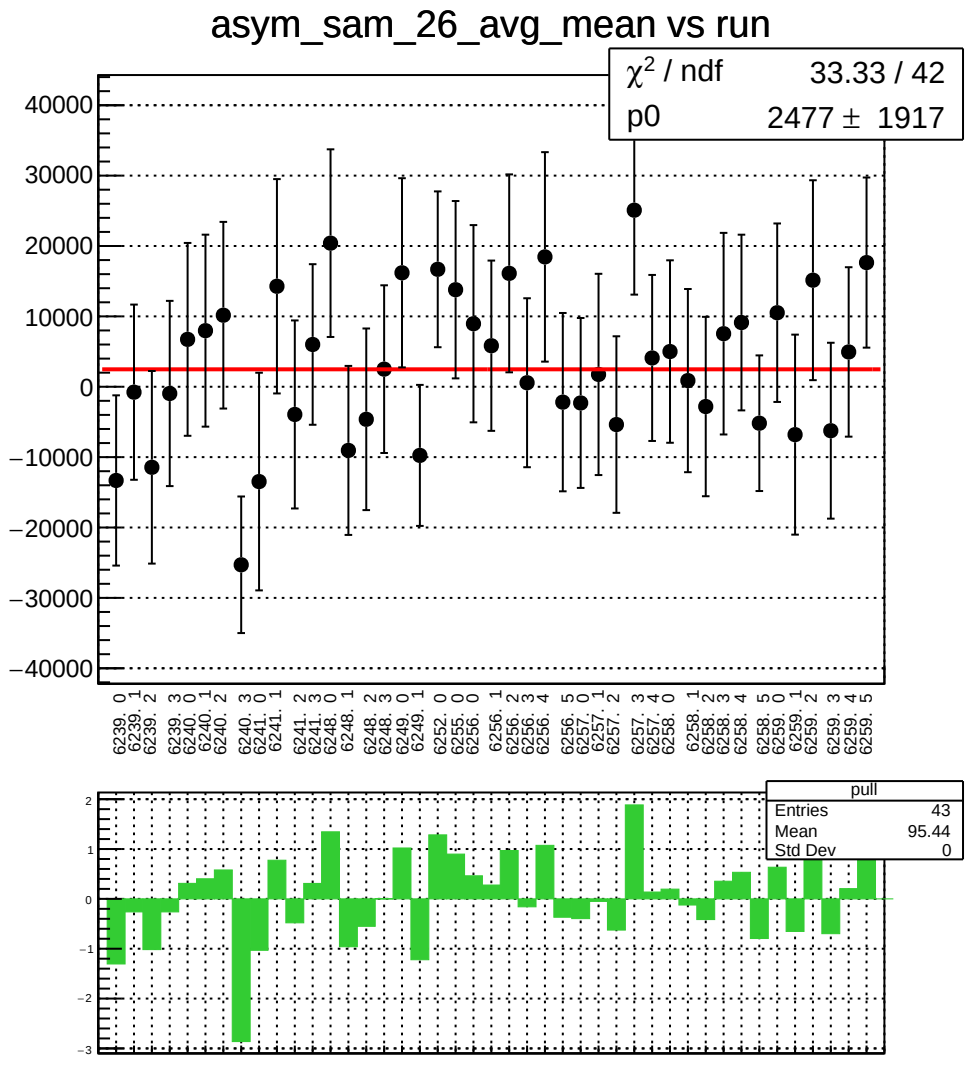

pull1D
Entries 43
Mean −0.003315
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

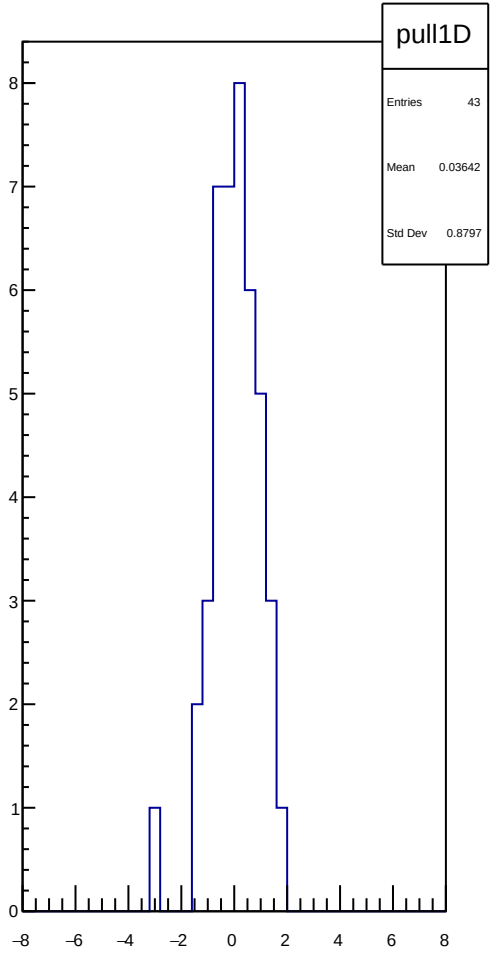

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.788e+04 / 42
p0 137.8 ± 0.1493
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

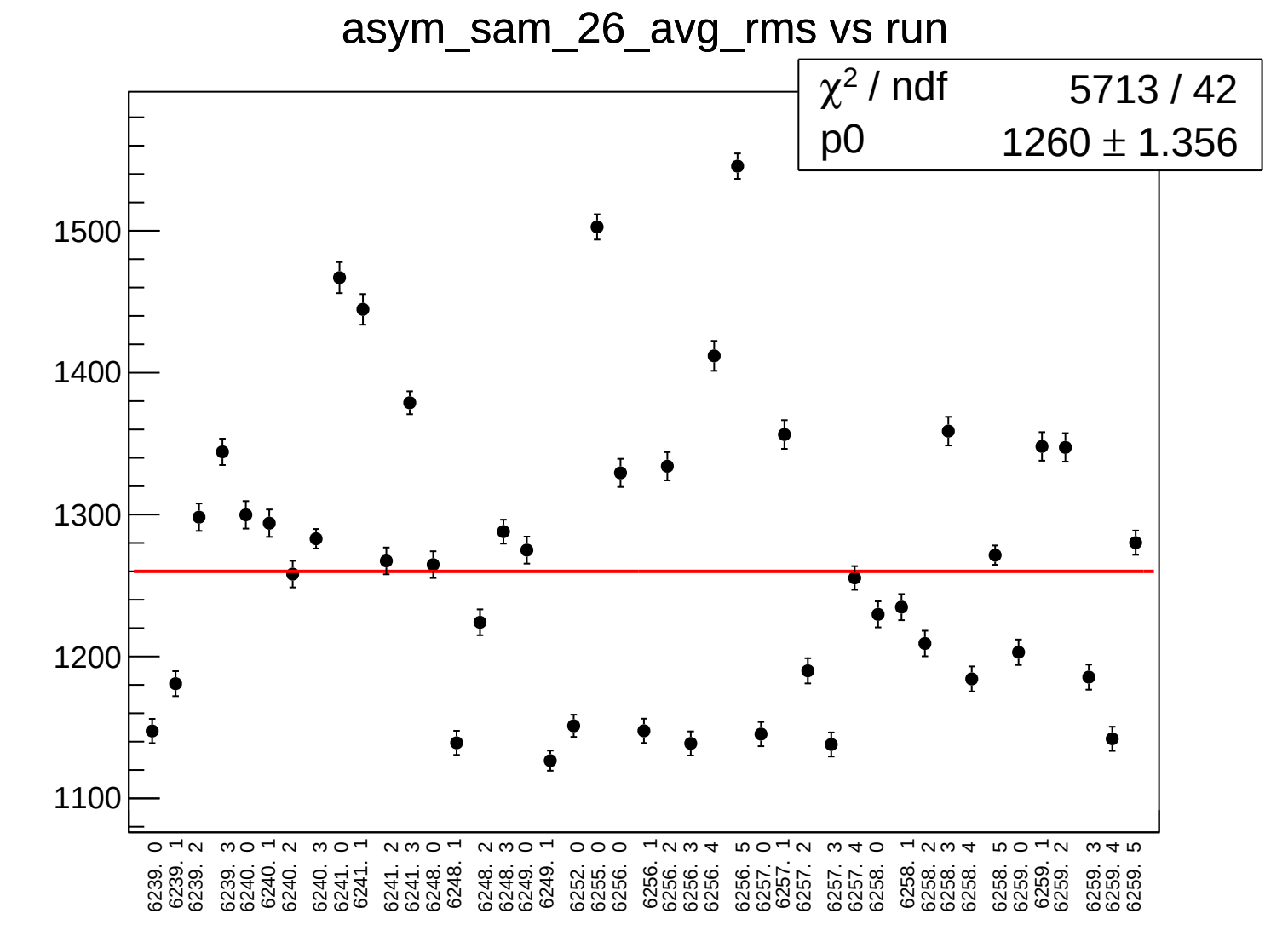

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 33.82 / 42
p0 −2125 ± 1949
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111
Std Dev 0
3
2
1
0
−1
−2

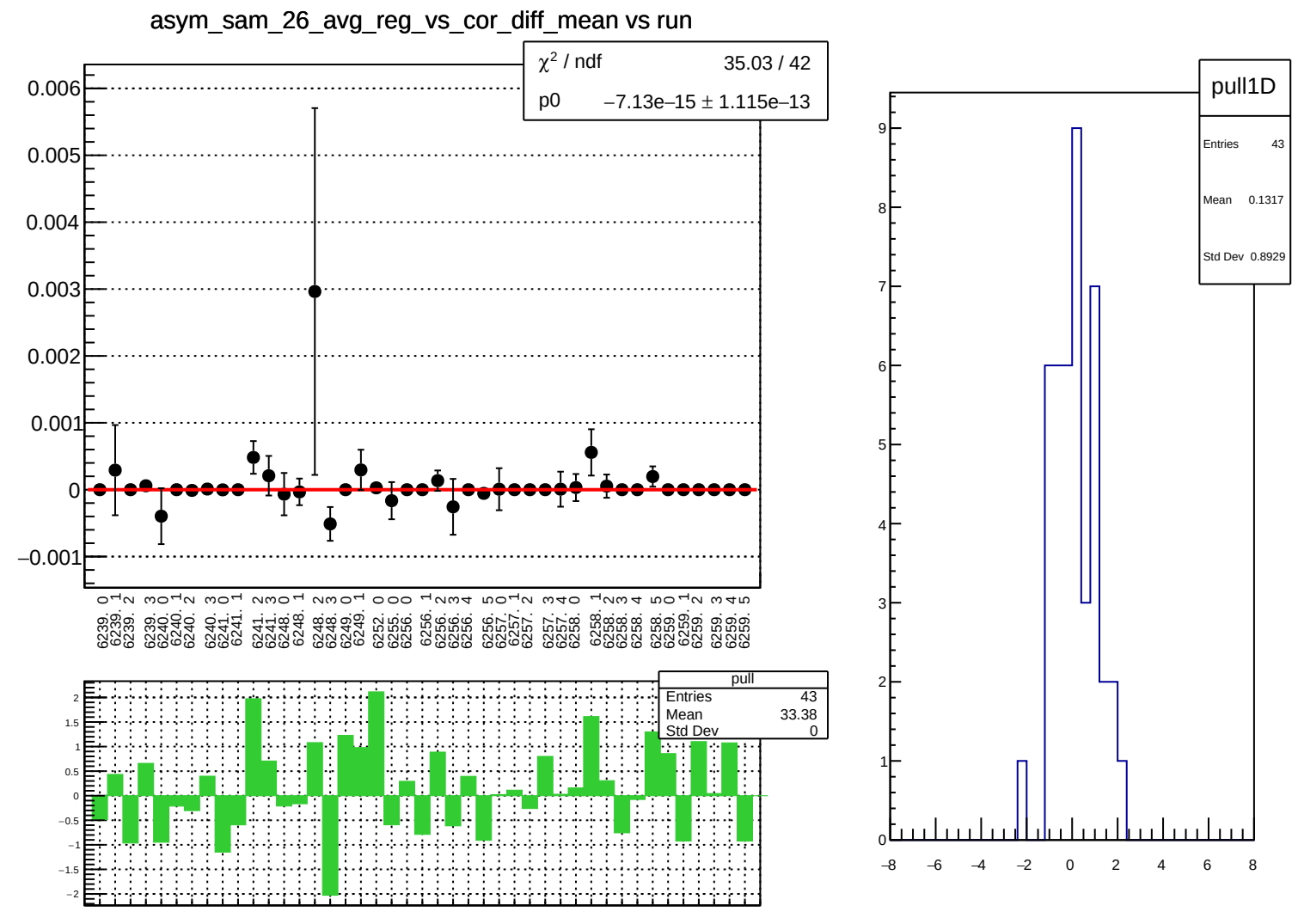

pull1D
Entries 43
Mean −0.03042
Std Dev 0.8864
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

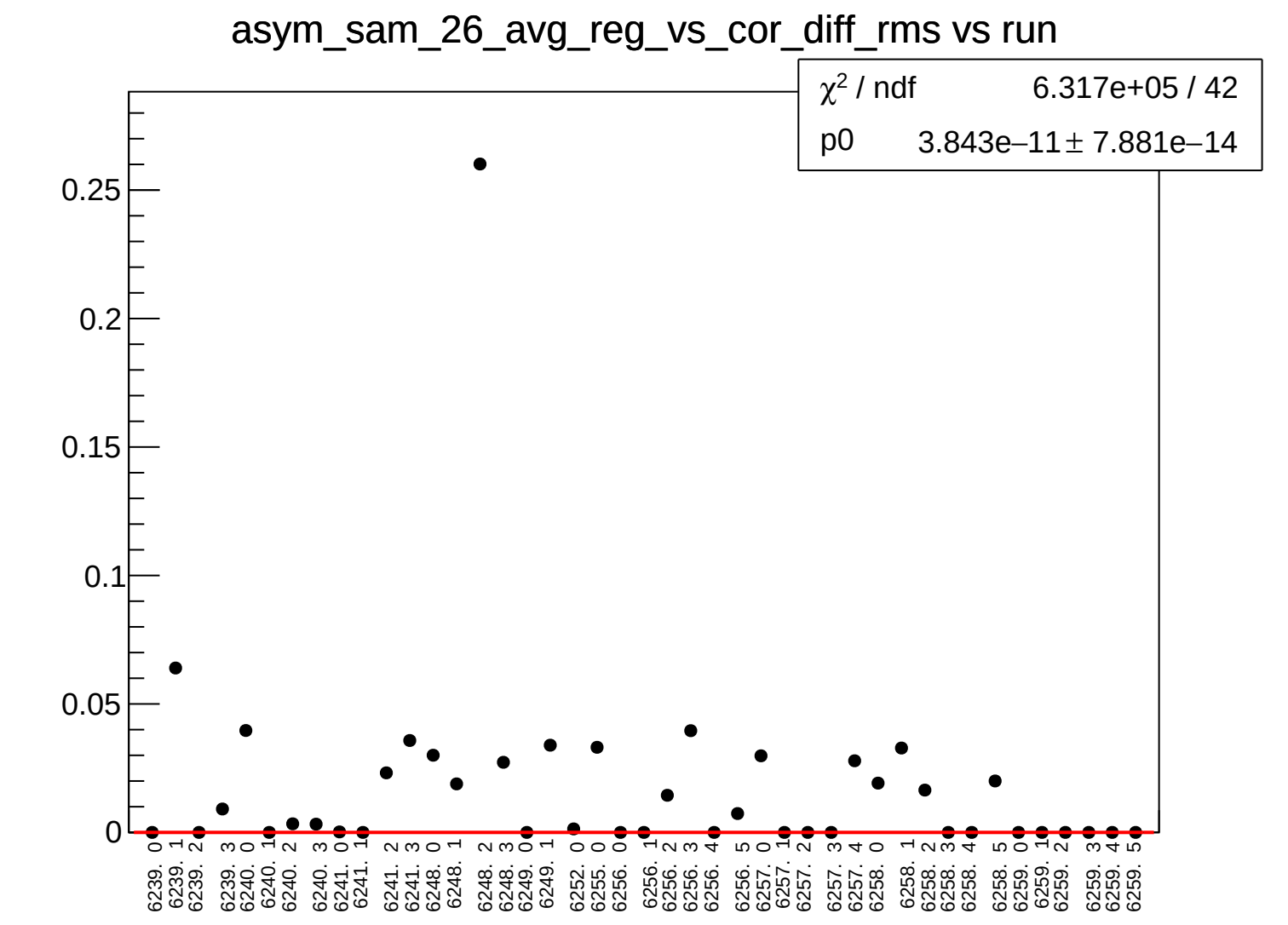

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 4779 / 42
p0 1282 ± 1.378
1600
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

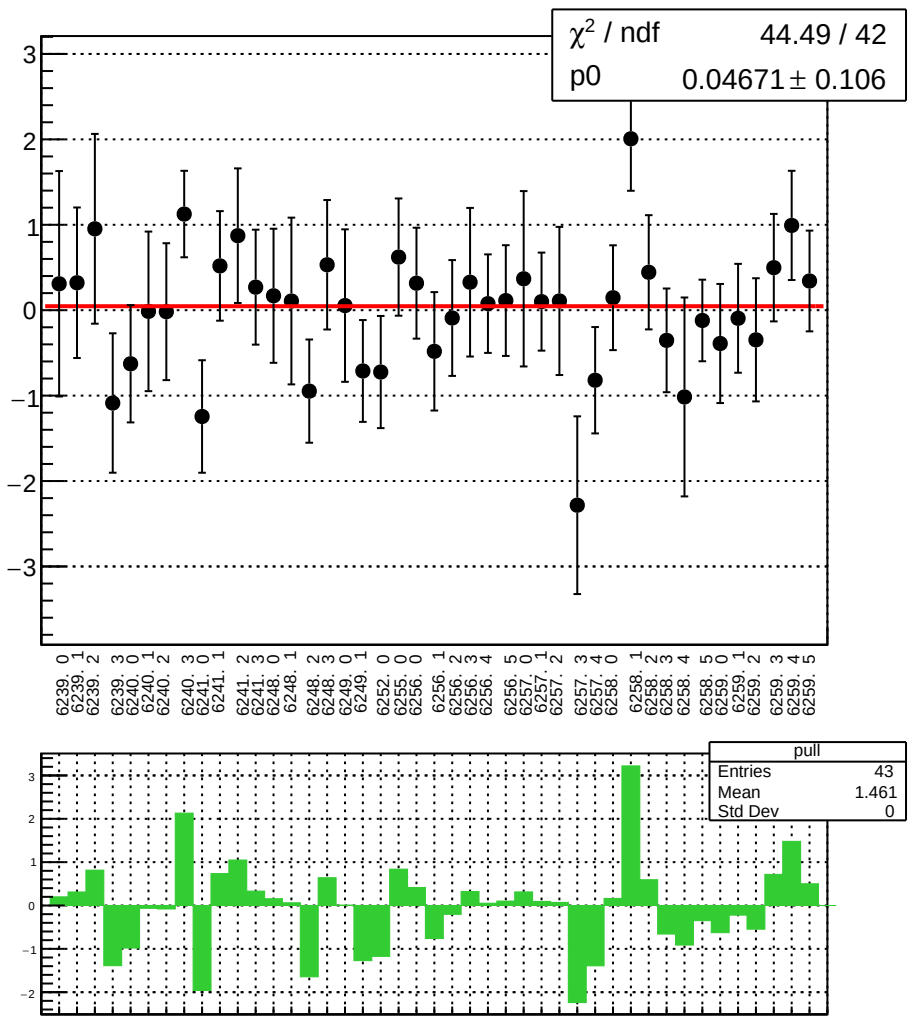

asym_sam_26_avg_mean vs run
χ² / ndf 33.33 / 42
p0 2477 ± 1917
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 95.44
Std Dev 0
2
1
0
−1
−2
−3

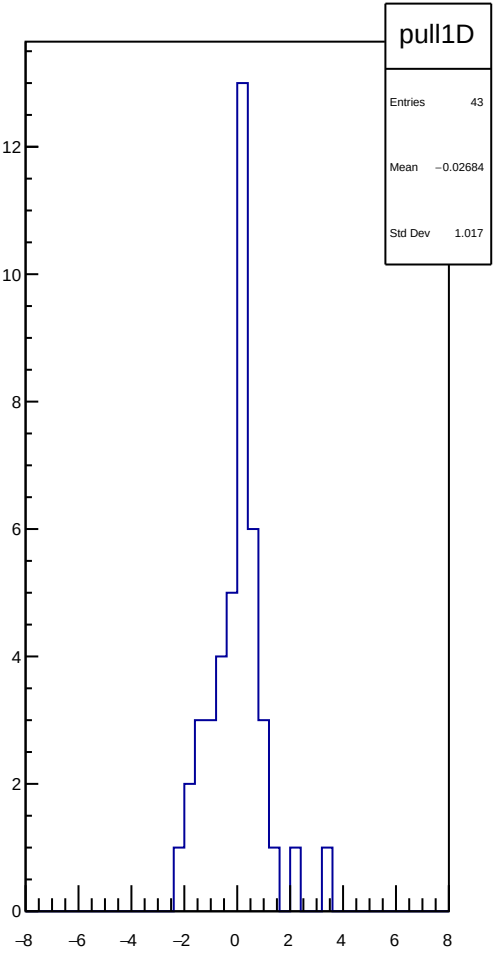

pull1D
Entries 43
Mean 0.03642
Std Dev 0.8797
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

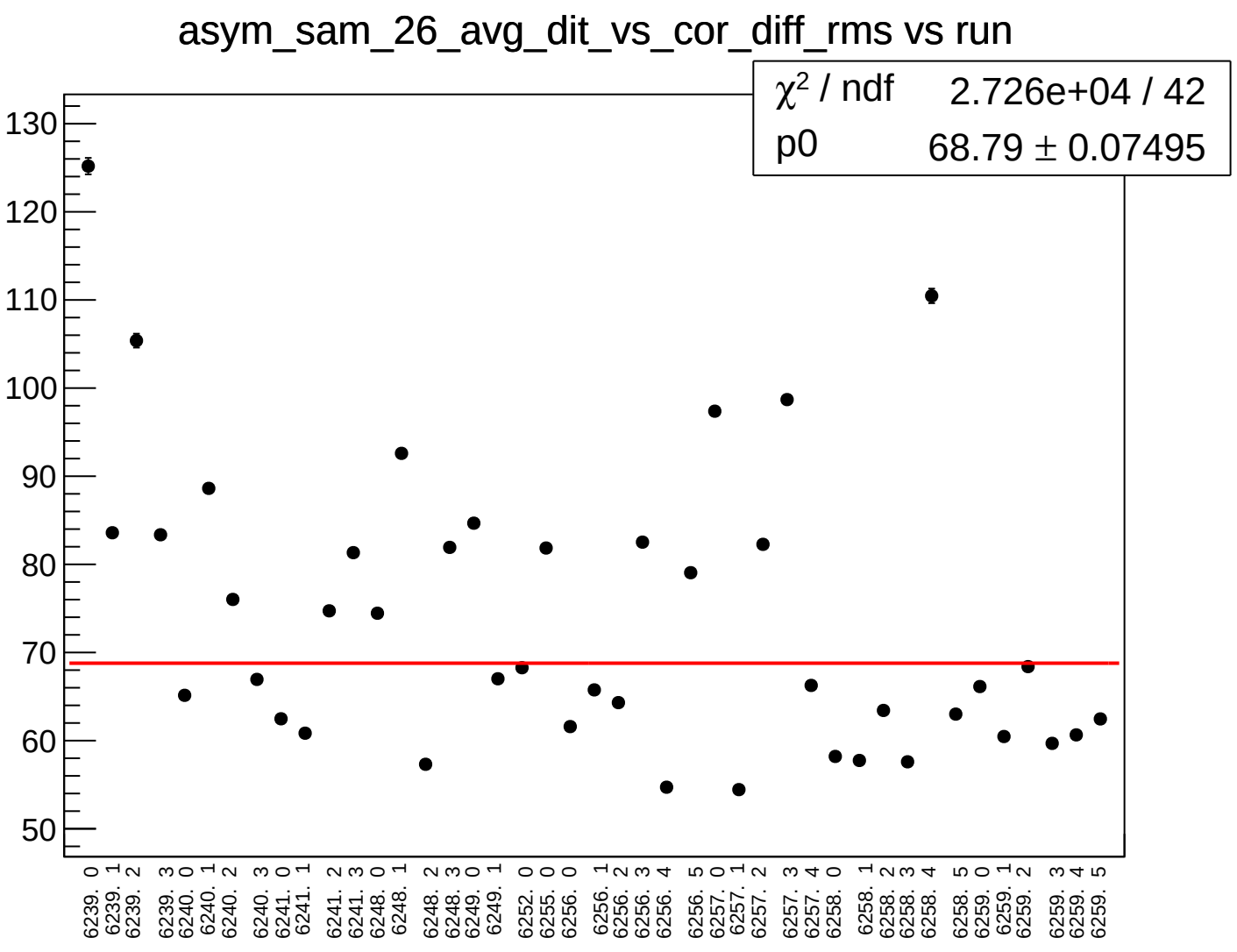

asym_sam_26_avg_rms vs run
$\chi^2$ / ndf 5713 / 42
p0 1260 ± 1.356
1500
1400
1300
1200
1100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 35.03 / 42
p0 −7.13e−15 ± 1.115e−13
0.006
0.005
0.004
0.003
0.002
0.001
0
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1317
Std Dev 0.8929
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

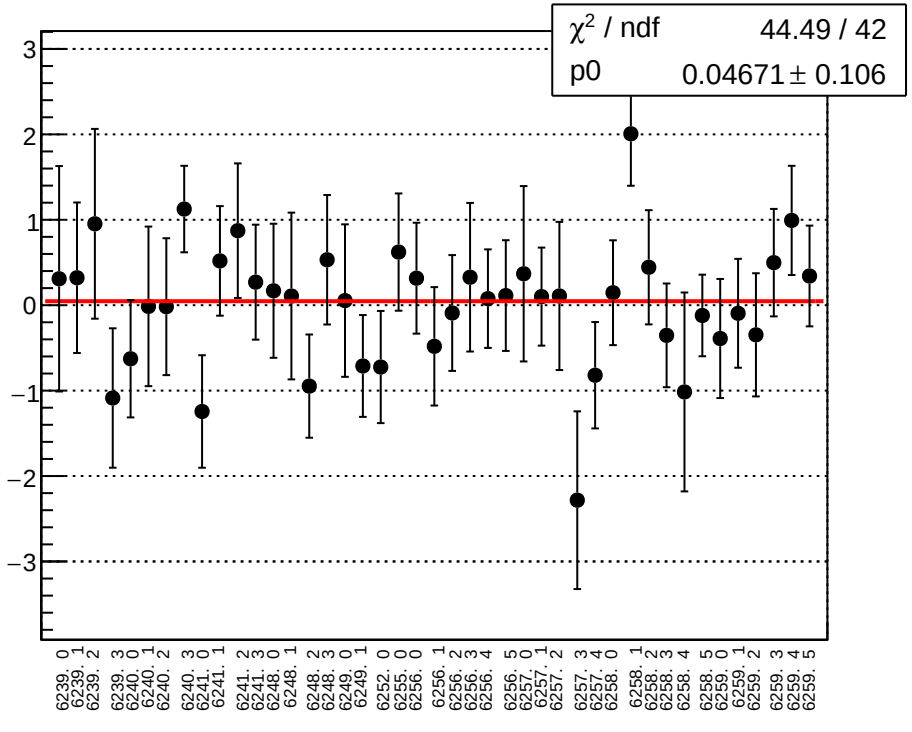

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.317e+05 / 42
p0 3.843e−11 ± 7.881e−14
0.25
0.2
0.15
0.1
0.05
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

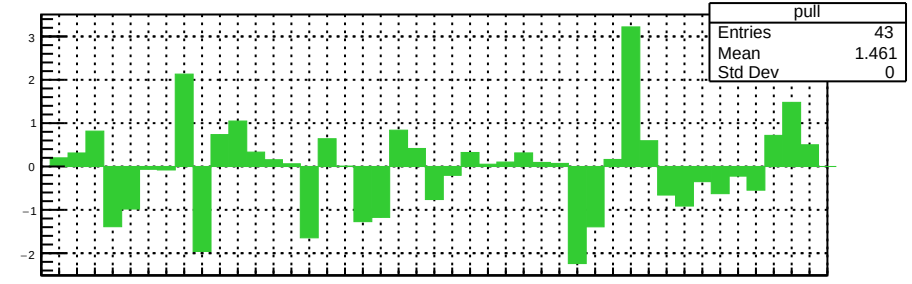

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.49 / 42
p0 0.04671 ± 0.106
pull
Entries 43
Mean 1.461
Std Dev 0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

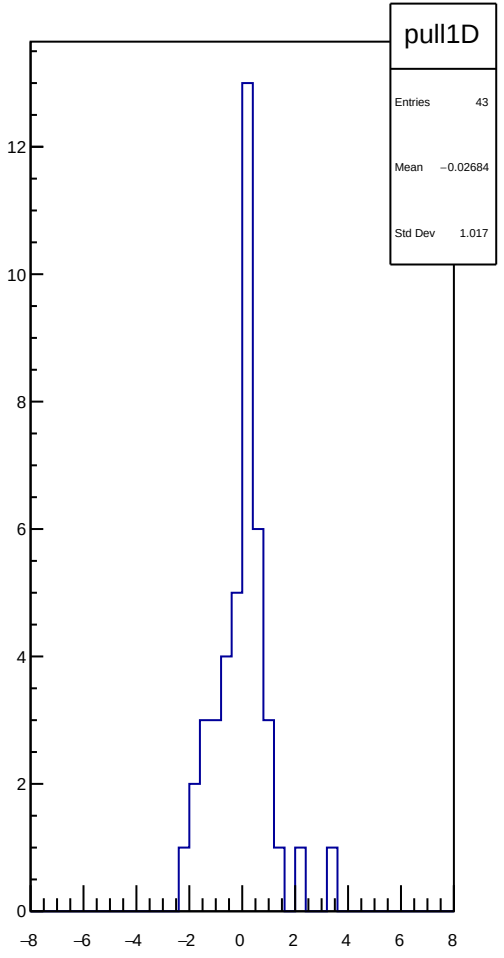

pull1D
Entries 43
Mean −0.02684
Std Dev 1.017

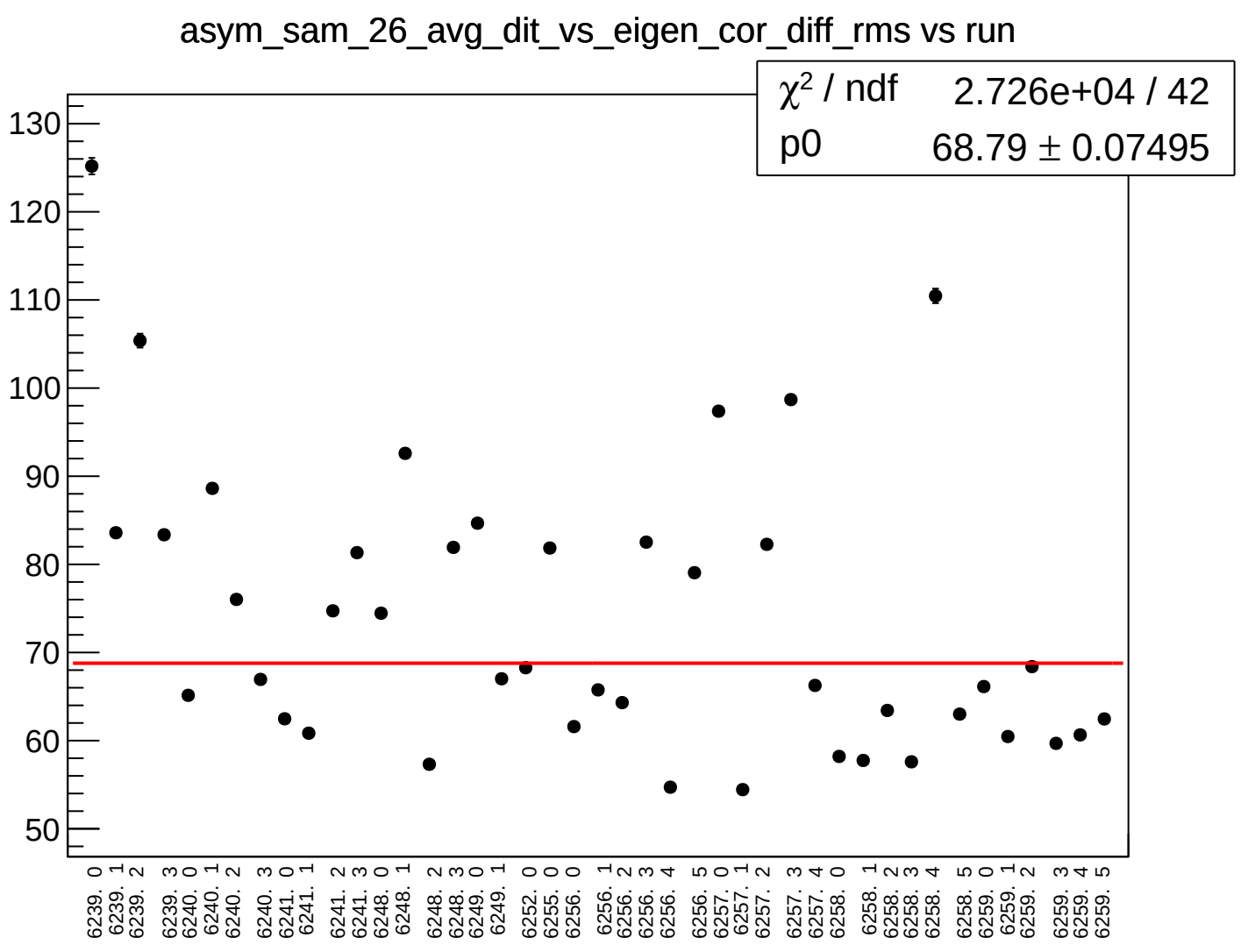

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.726e+04 / 42
p0 68.79 ± 0.07495
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

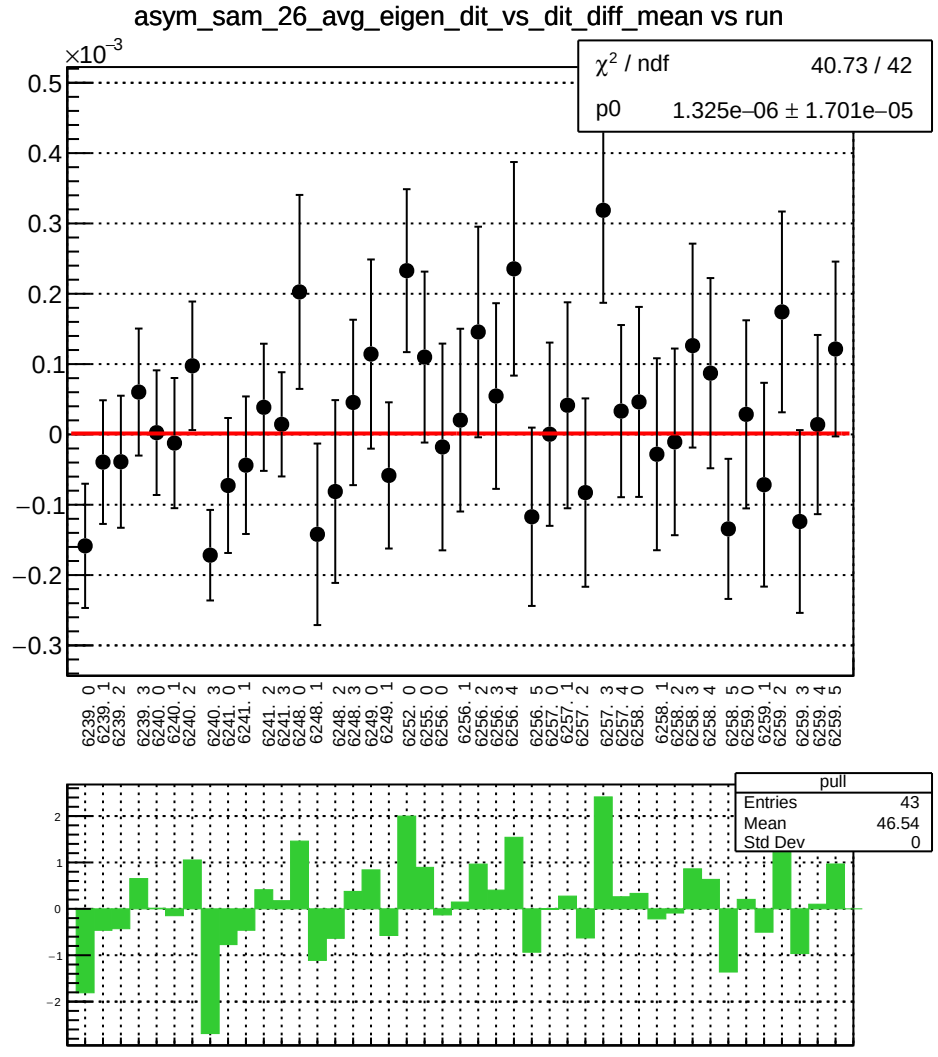
asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run

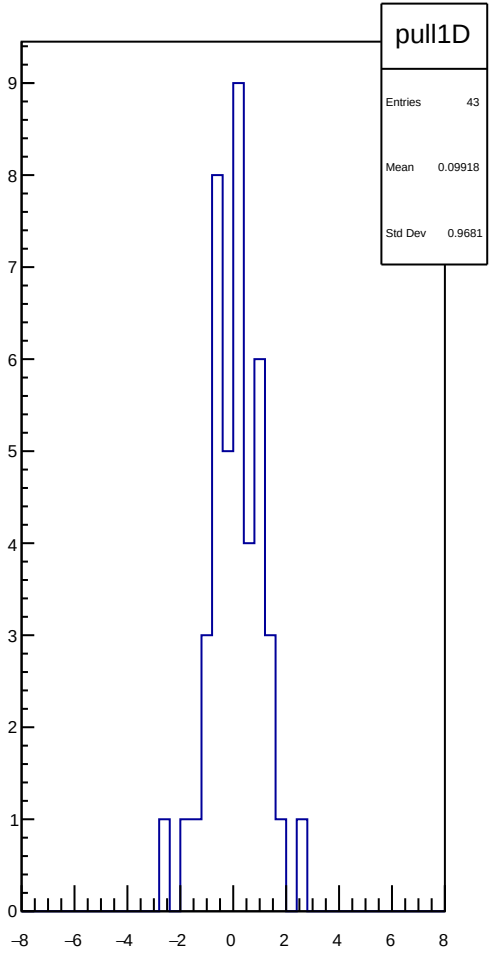


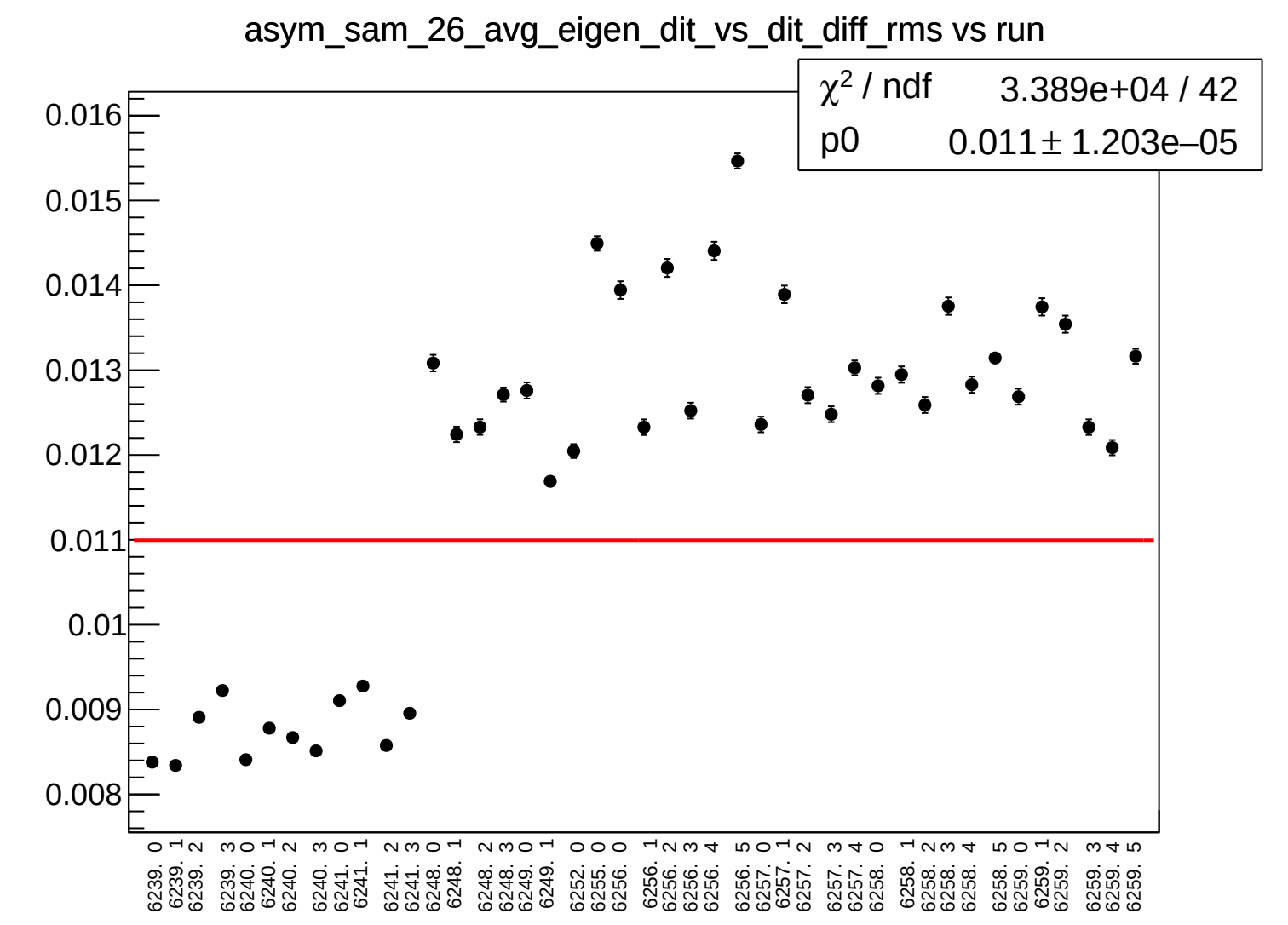



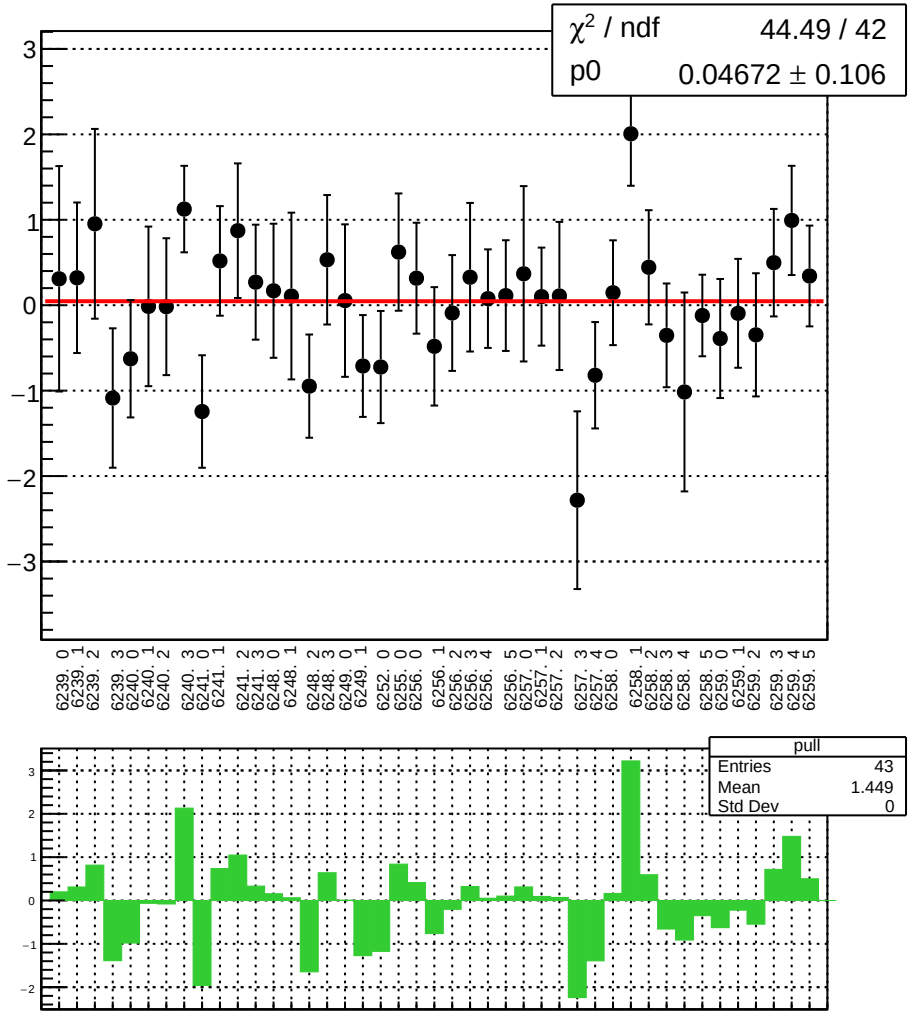

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.726e+04 / 42
p0 68.79 ± 0.07495
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

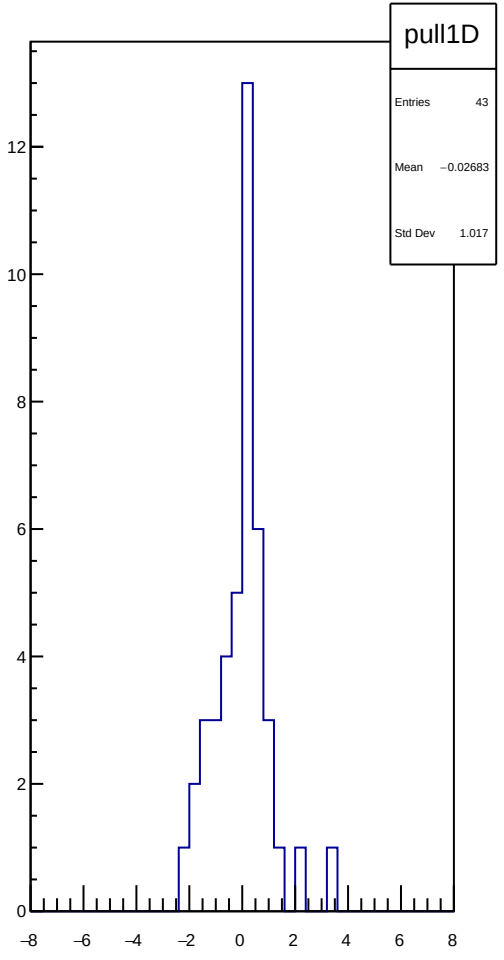

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.73 / 42
p0 1.325e−06 ± 1.701e−05
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 46.54
Std Dev 0
2
1
0
−1
−2

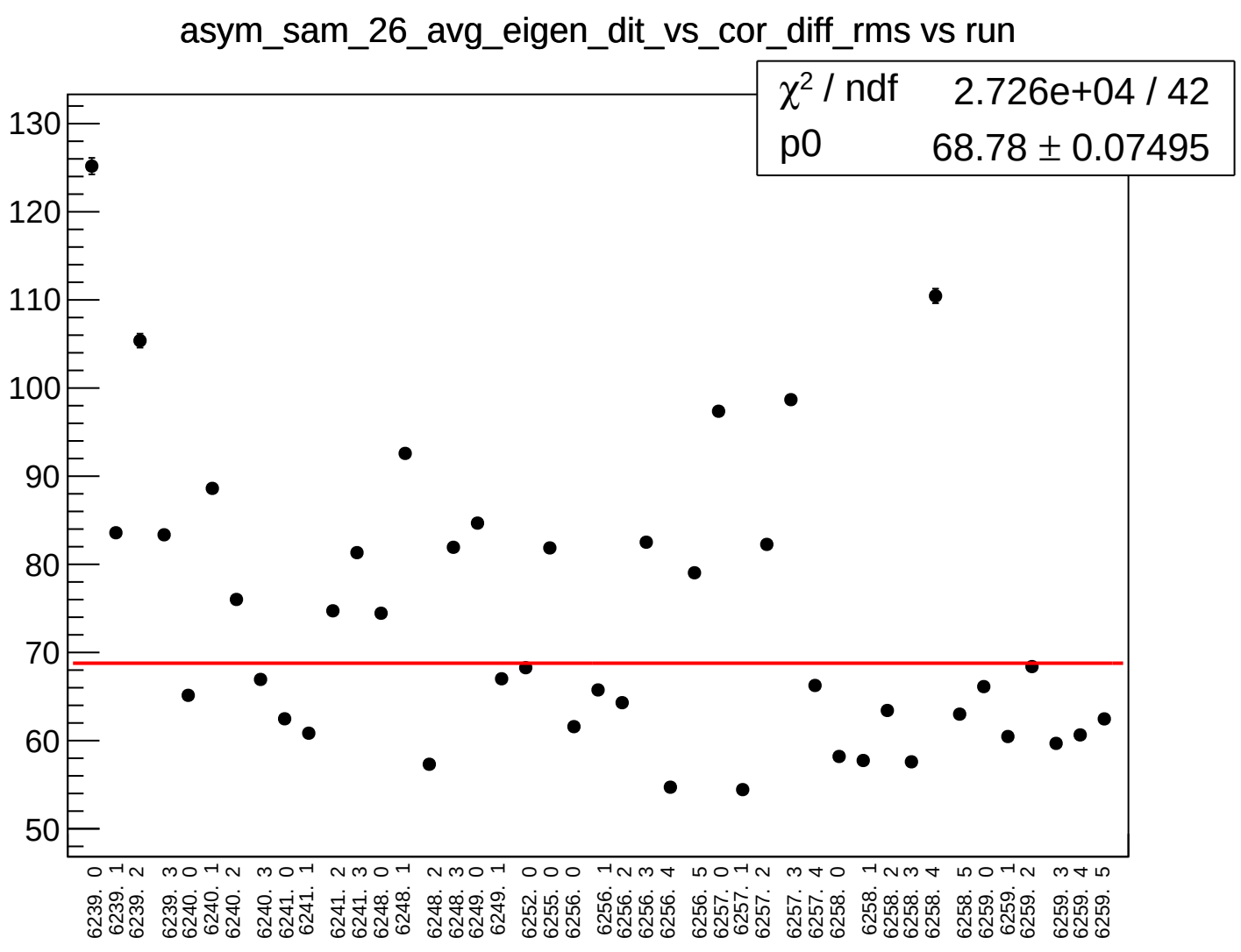

pull1D
Entries 43
Mean 0.09918
Std Dev 0.9681
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

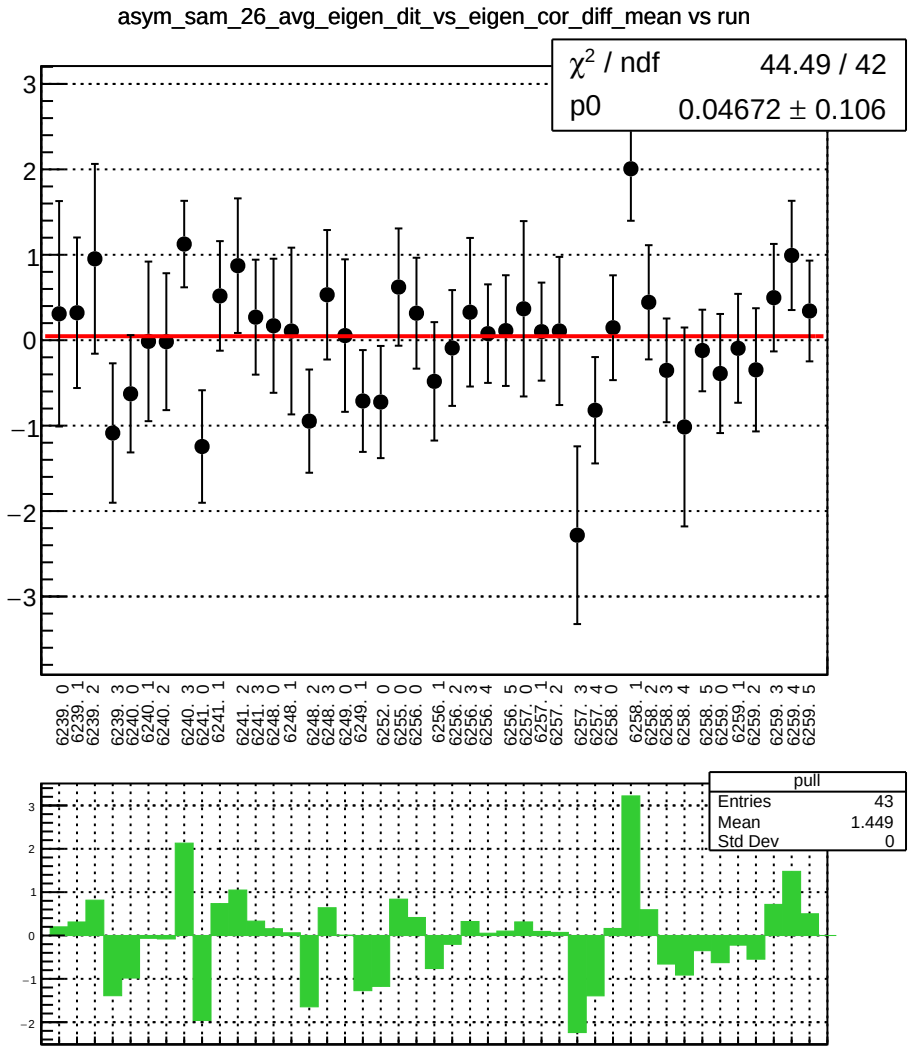

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.389e+04 / 42
p0 0.011 ± 1.203e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

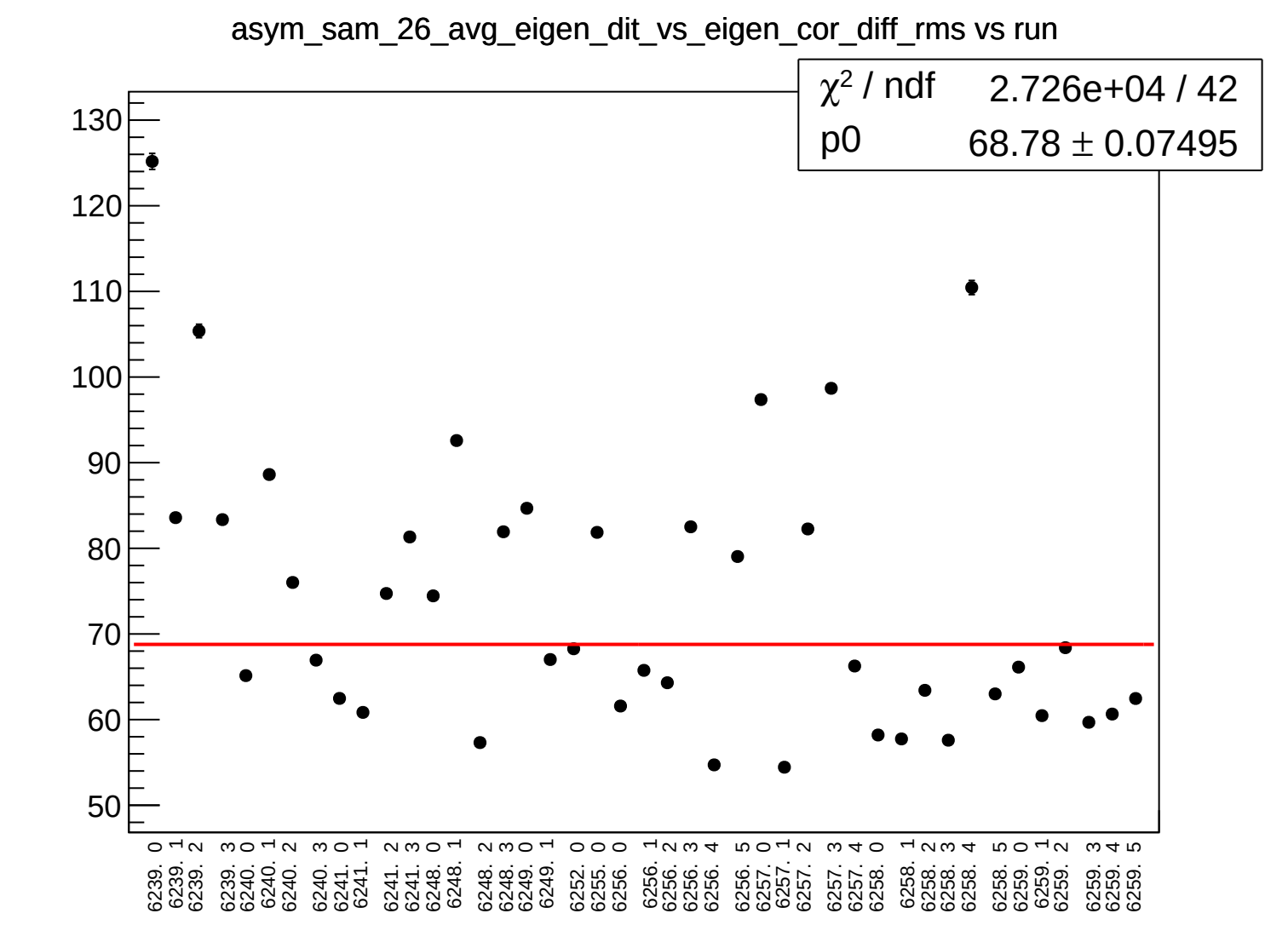
asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run

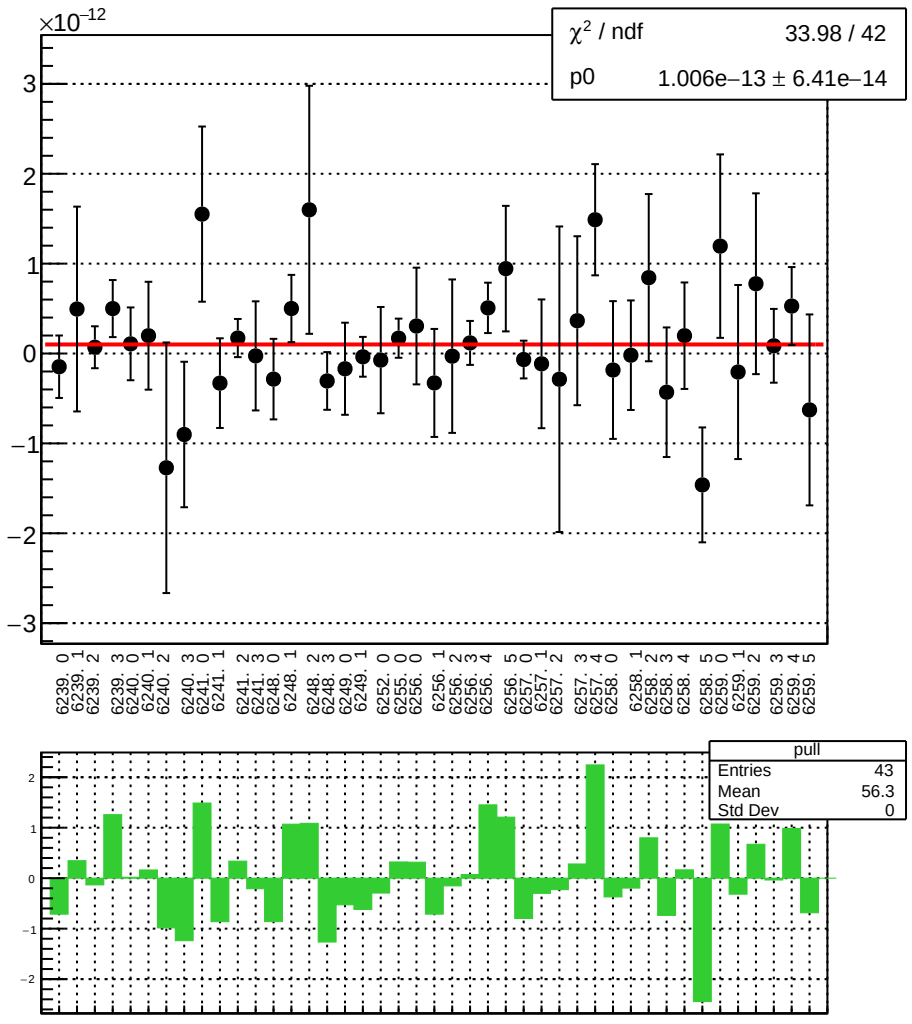


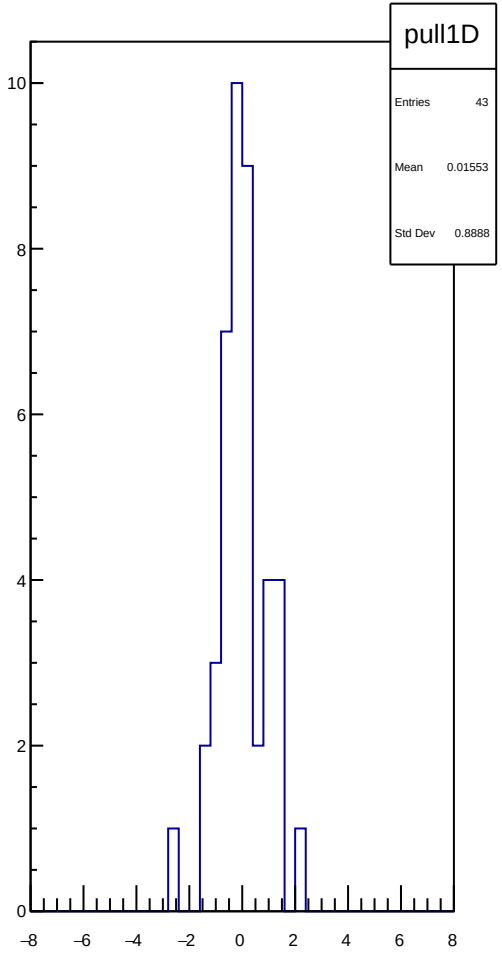



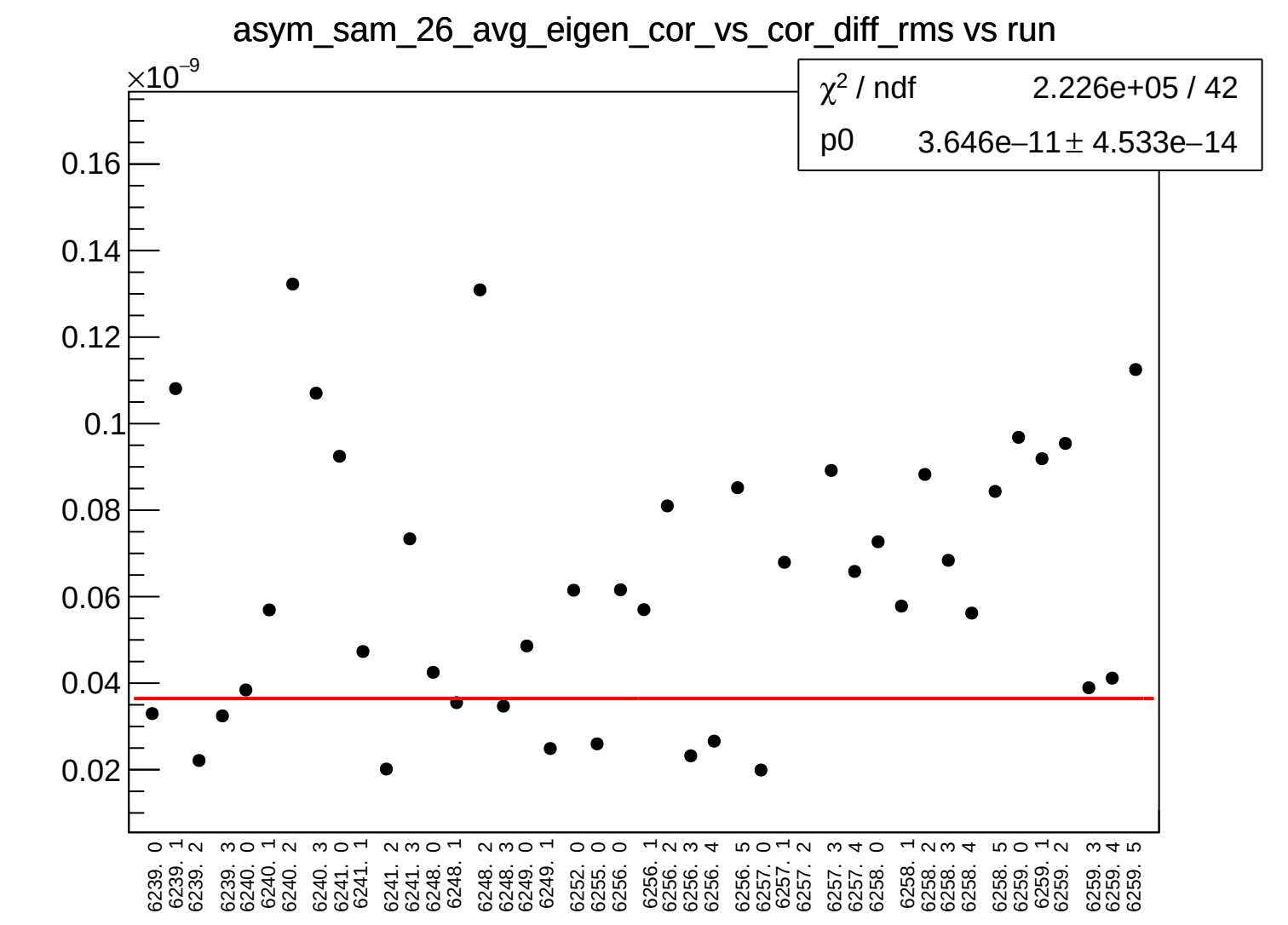

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.726e+04 / 42
p0 68.78 ± 0.07495
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

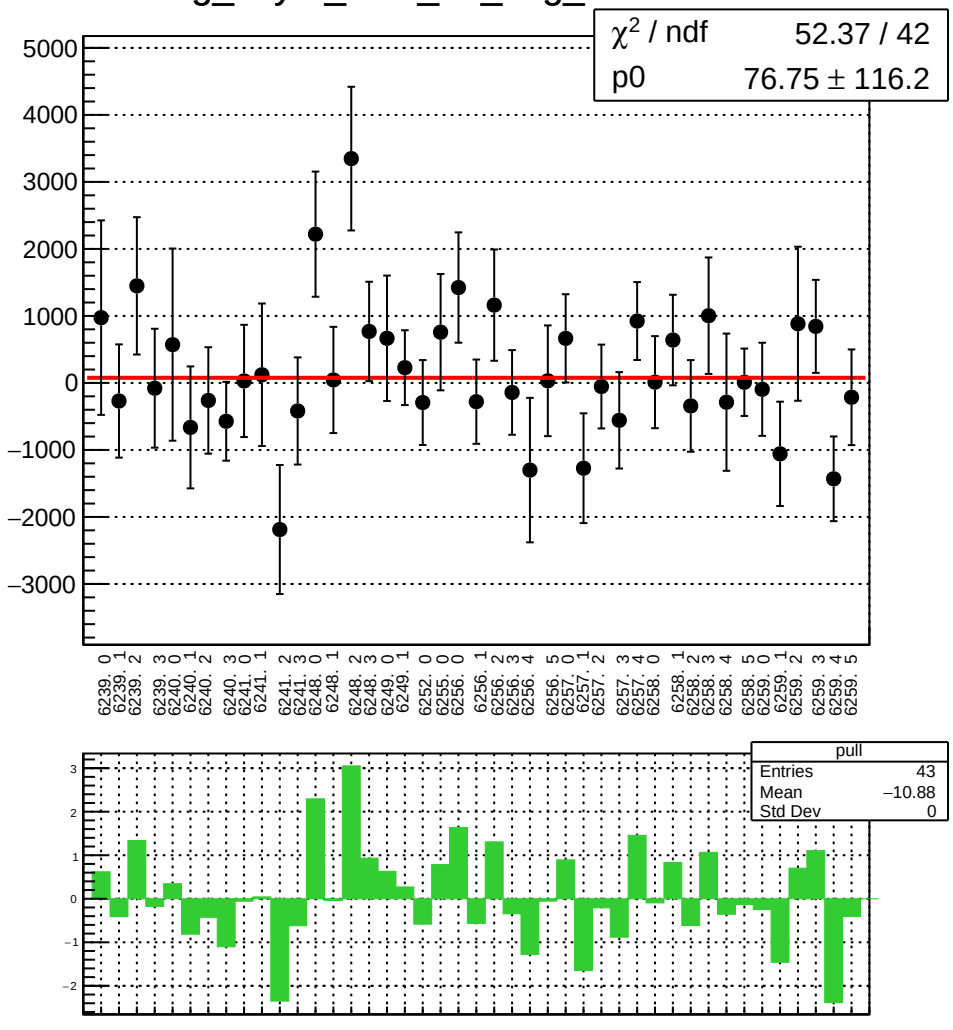

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.49 / 42
p0 0.04672 ± 0.106
pull
Entries 43
Mean 1.449
Std Dev 0
pull1D
Entries 43
Mean −0.02683
Std Dev 1.017

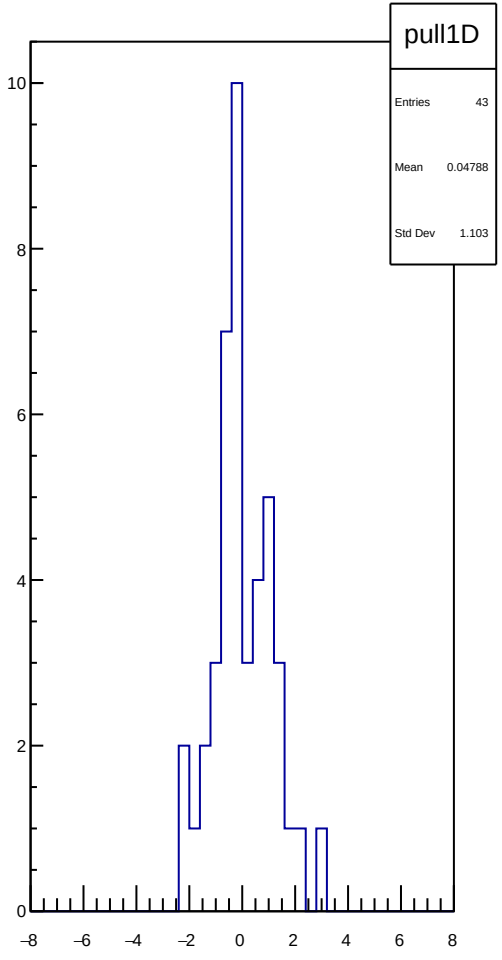

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.726e+04 / 42
p0 68.78 ± 0.07495
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

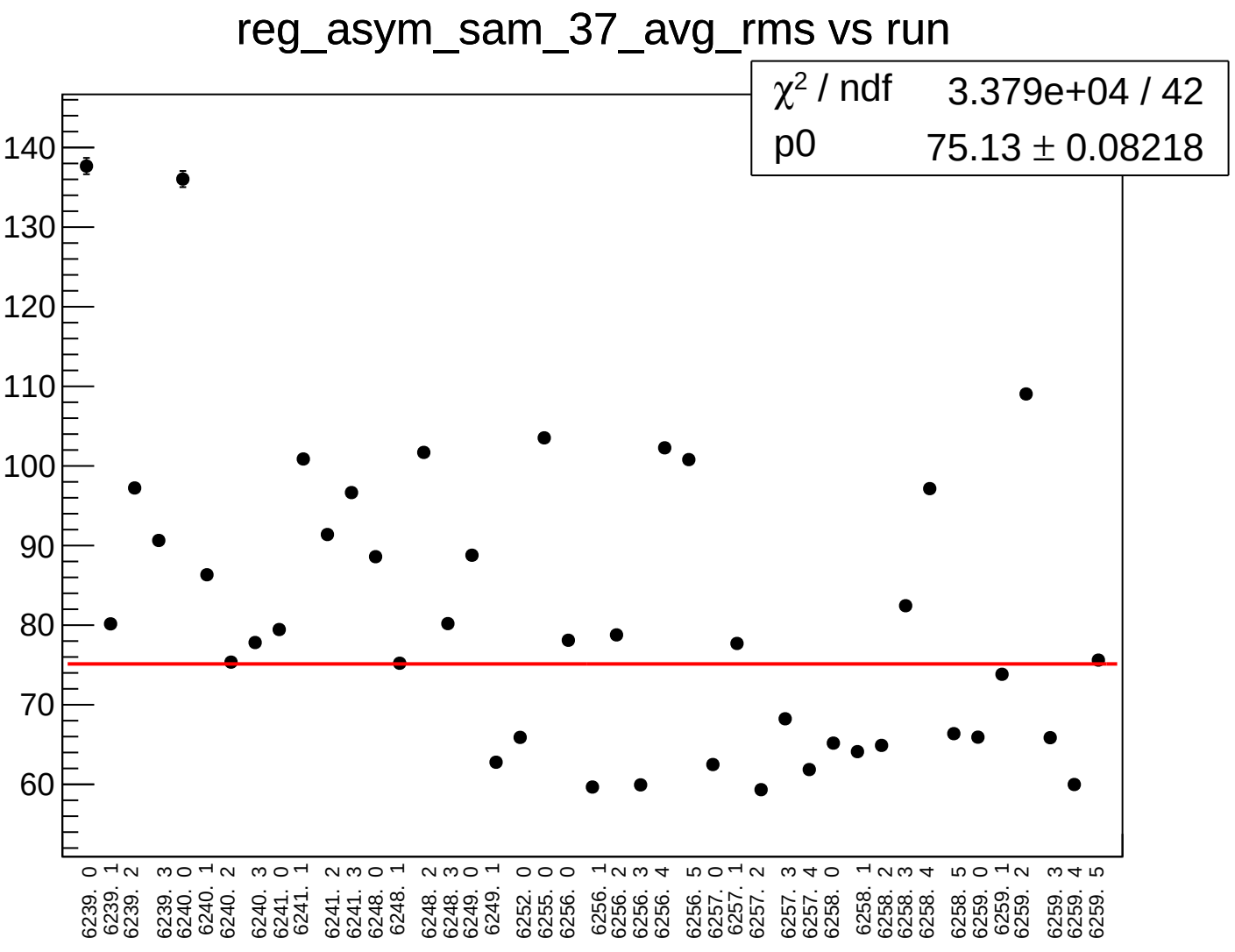

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.98 / 42
p0 1.006e−13 ± 6.41e−14
pull
Entries 43
Mean 56.3
Std Dev 0


pull1D
Entries 43
Mean 0.01553
Std Dev 0.8888

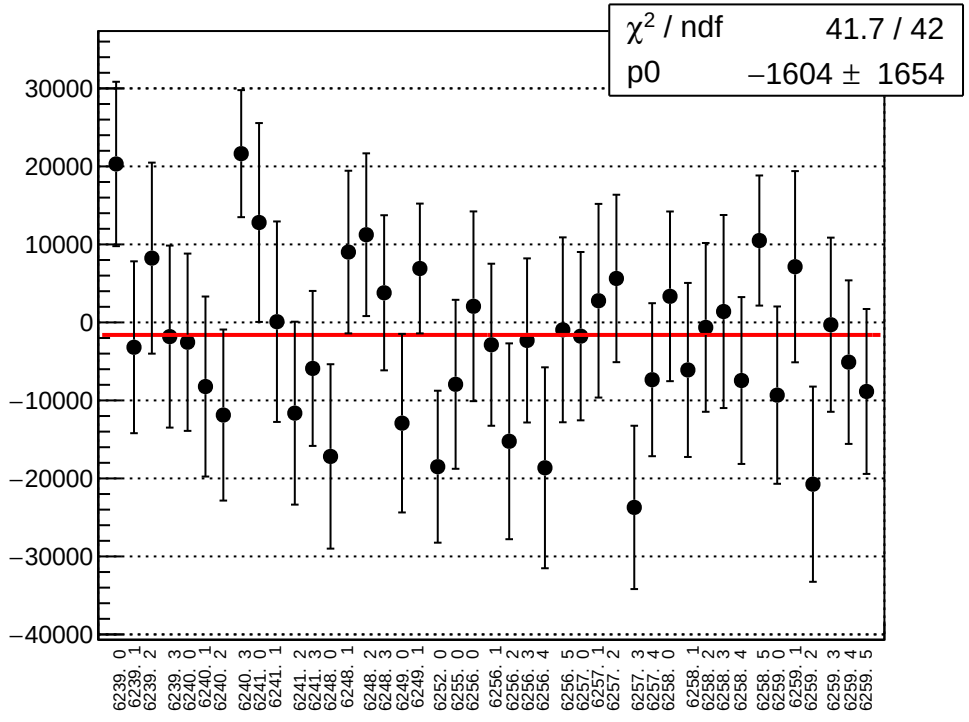

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.226e+05 / 42
p0 3.646e−11 ± 4.533e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

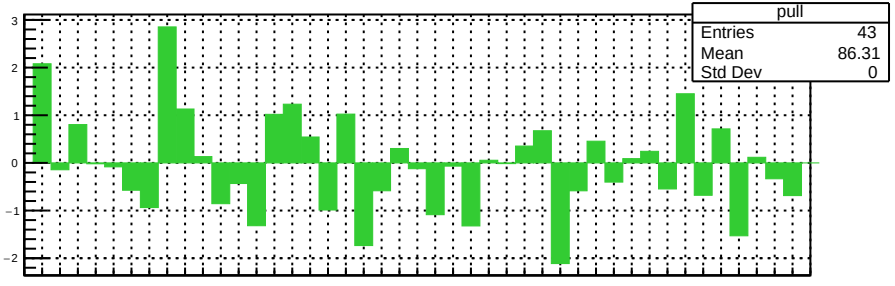

reg_asym_sam_37_avg_mean vs run
χ² / ndf 52.37 / 42
p0 76.75 ± 116.2
pull
Entries 43
Mean −10.88
Std Dev 0

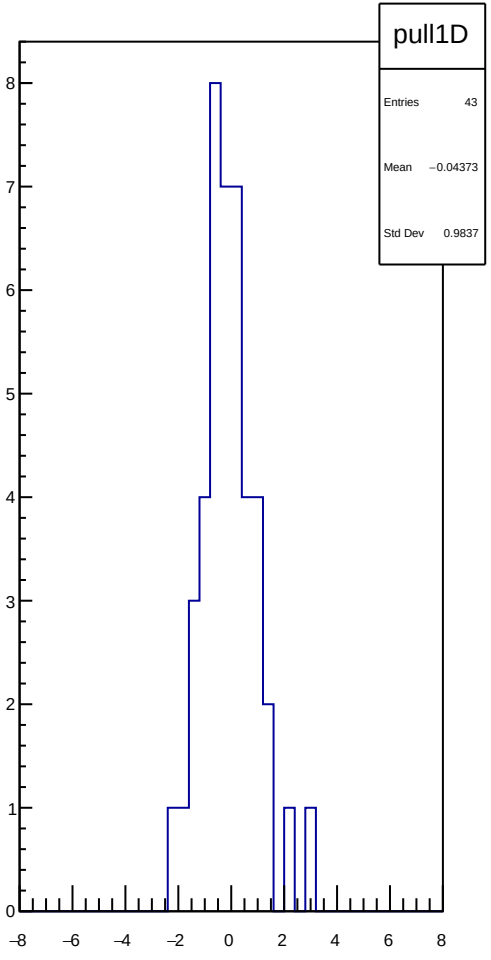

pull1D
Entries 43
Mean 0.04788
Std Dev 1.103

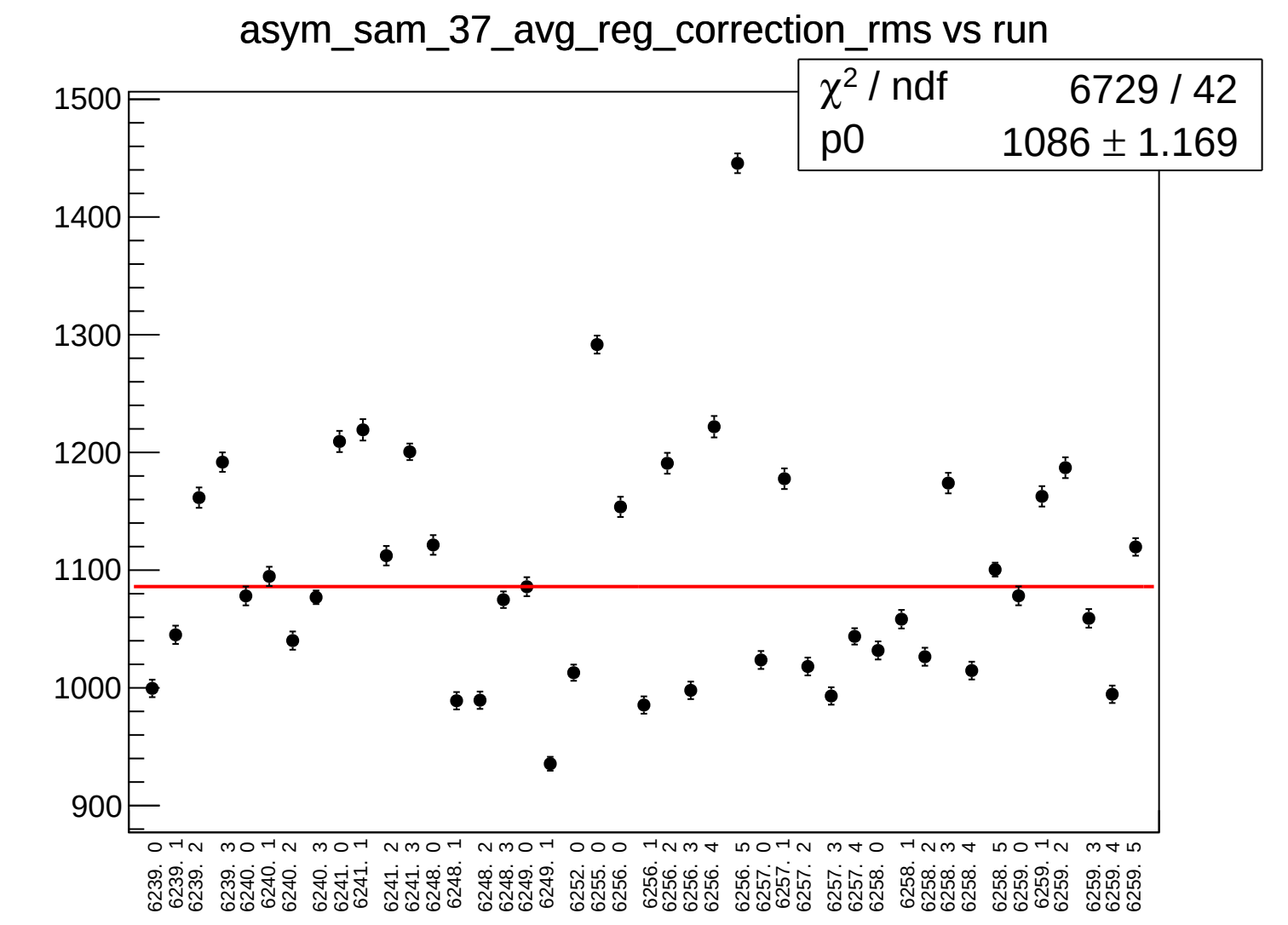

reg_asym_sam_37_avg_rms vs run
χ² / ndf 3.379e+04 / 42
p0 75.13 ± 0.08218
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

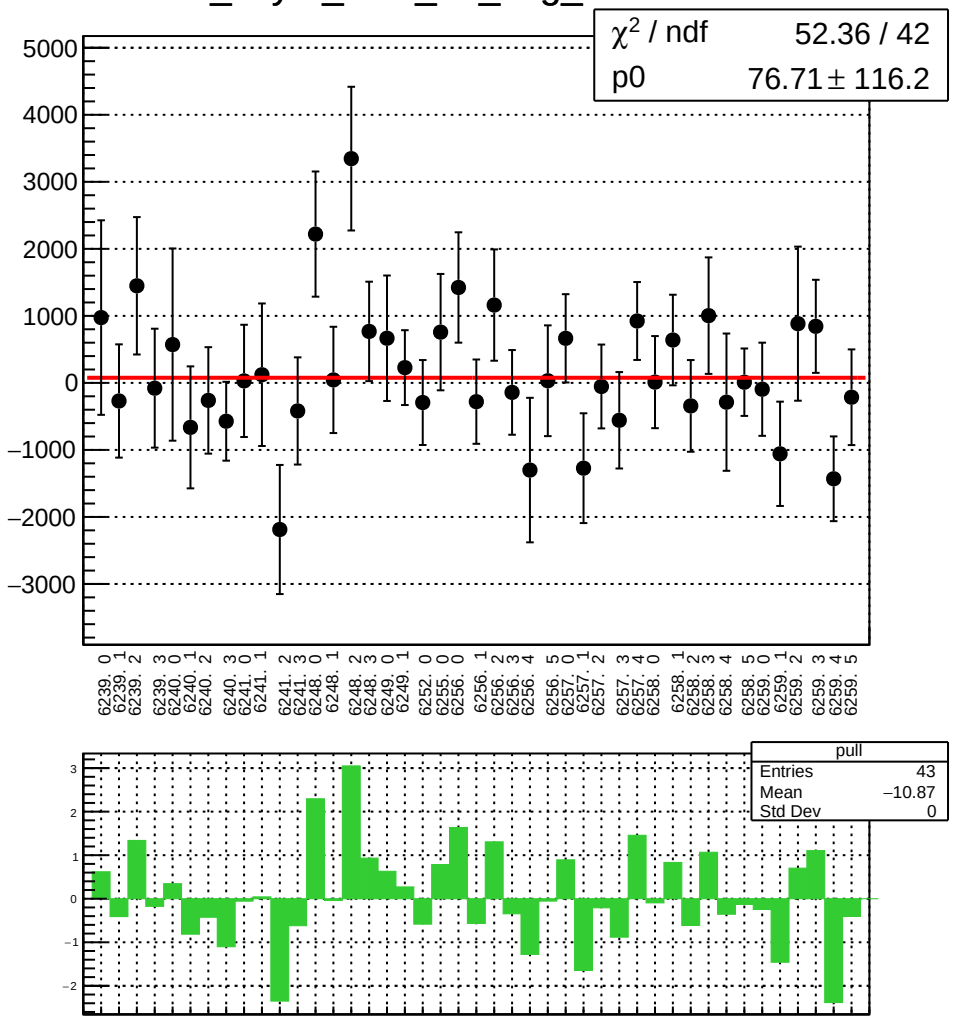
asym_sam_37_avg_reg_correction_mean vs run

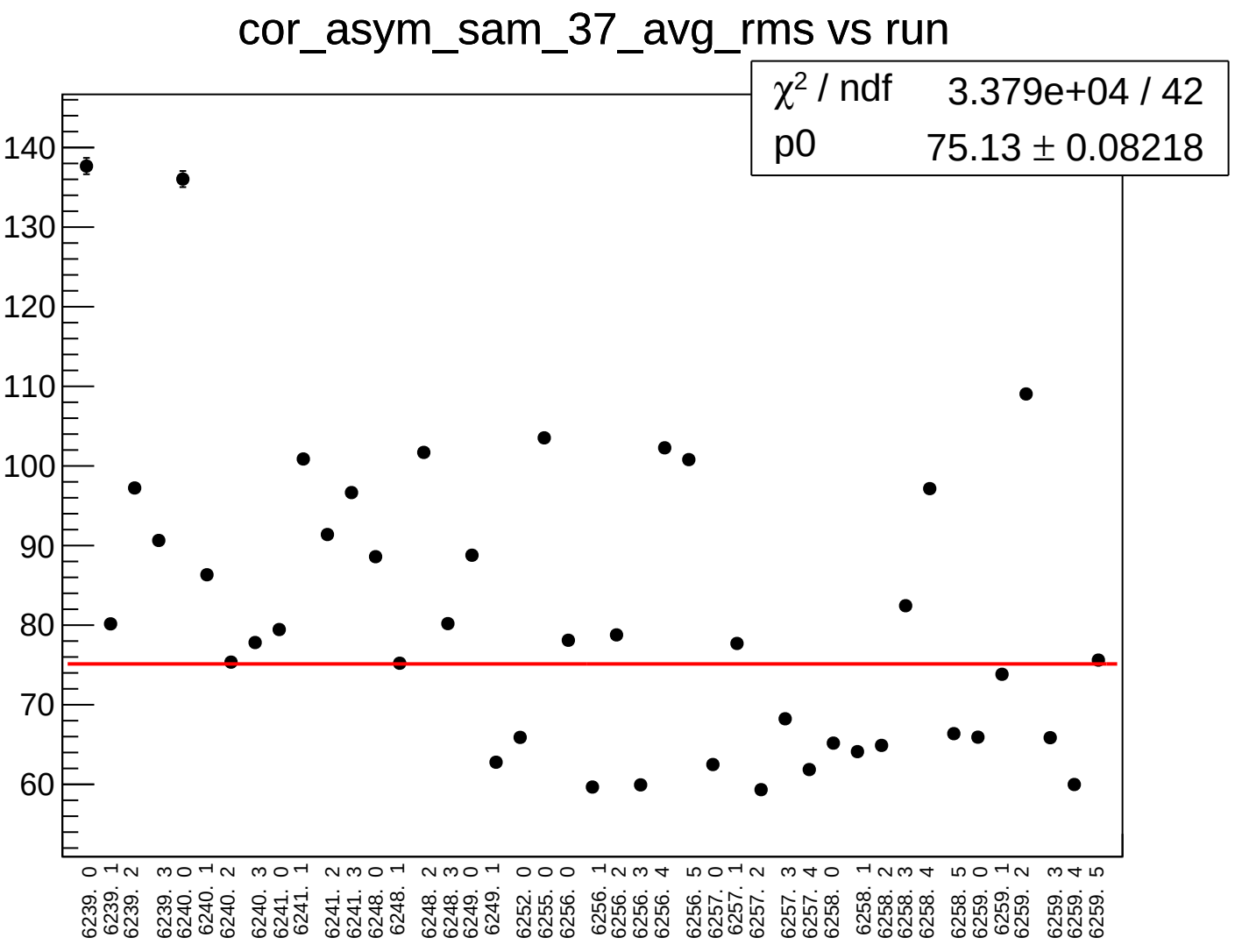


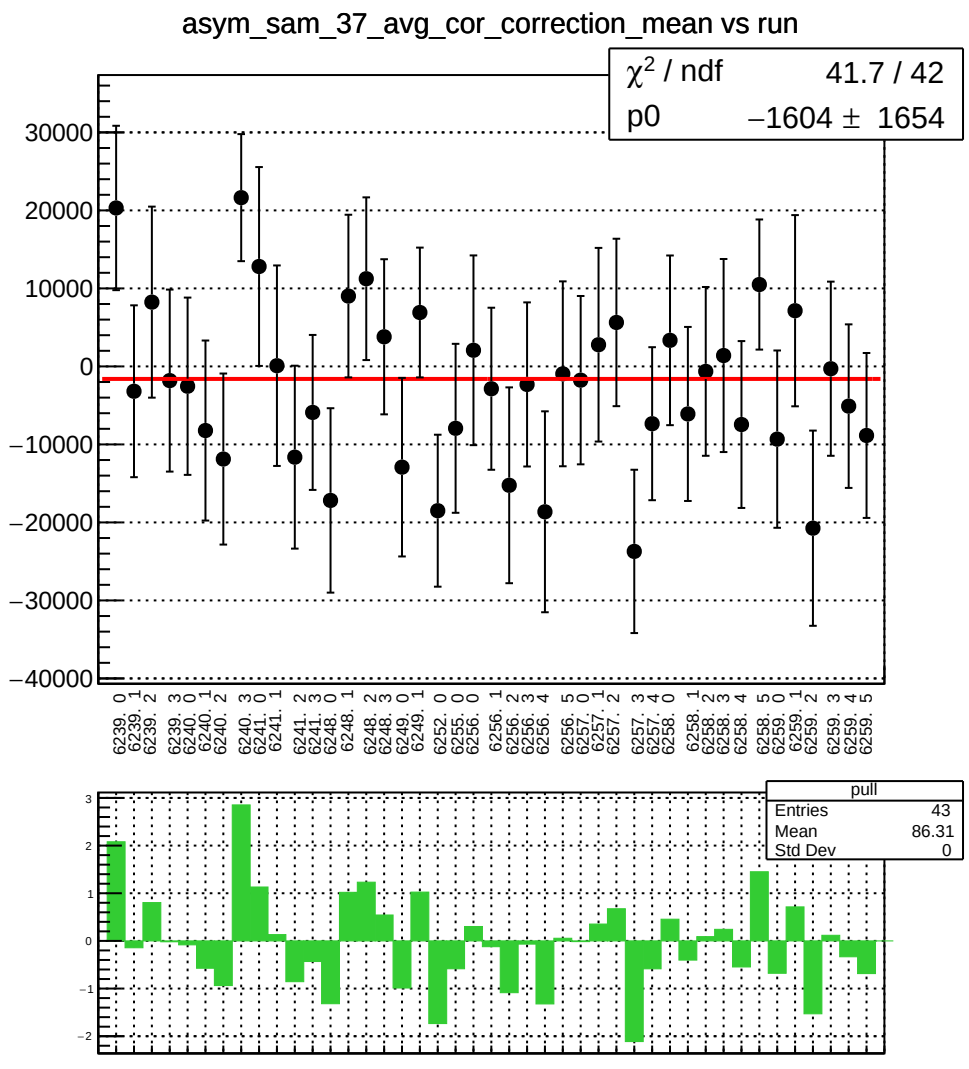



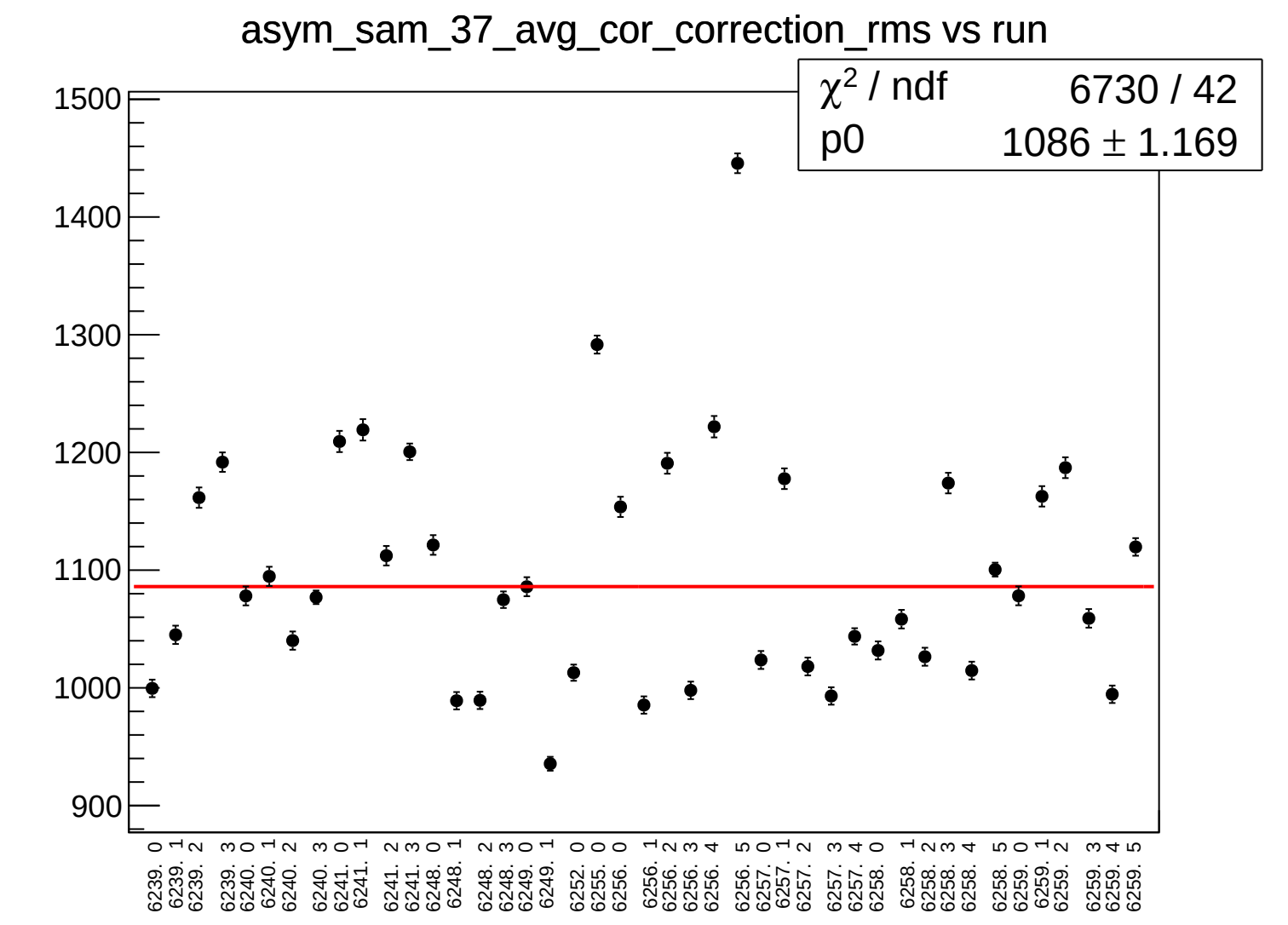



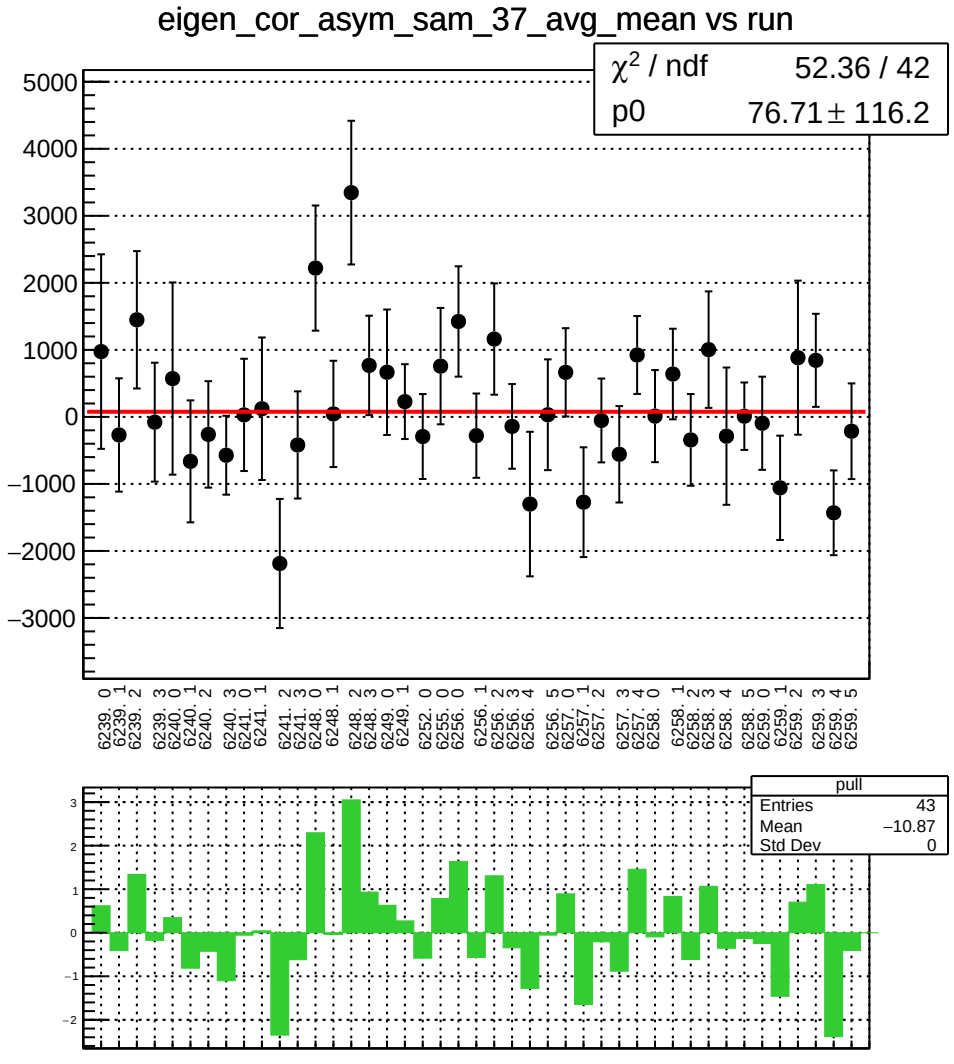

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 6729 / 42
p0 1086 ± 1.169
1500
1400
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

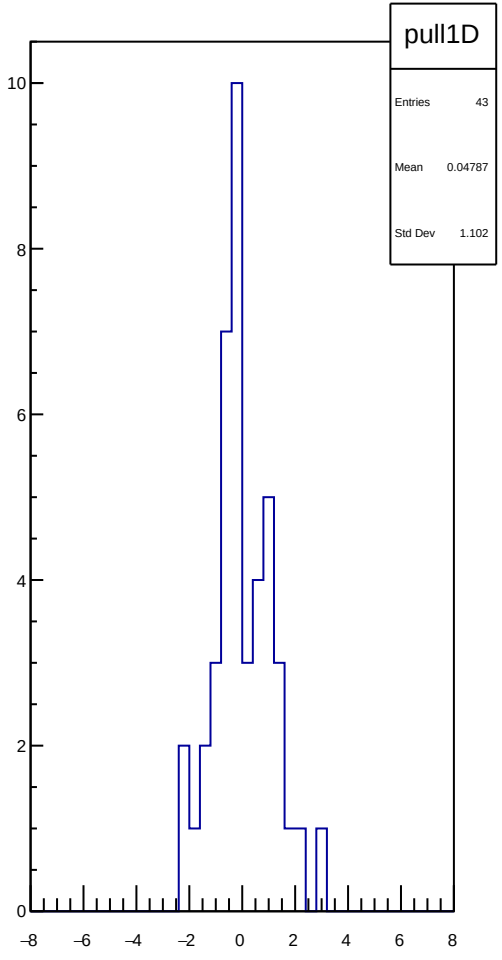

cor_asym_sam_37_avg_mean vs run
χ² / ndf 52.36 / 42
p0 76.71 ± 116.2
pull
Entries 43
Mean −10.87
Std Dev 0
pull1D
Entries 43
Mean 0.04787
Std Dev 1.102

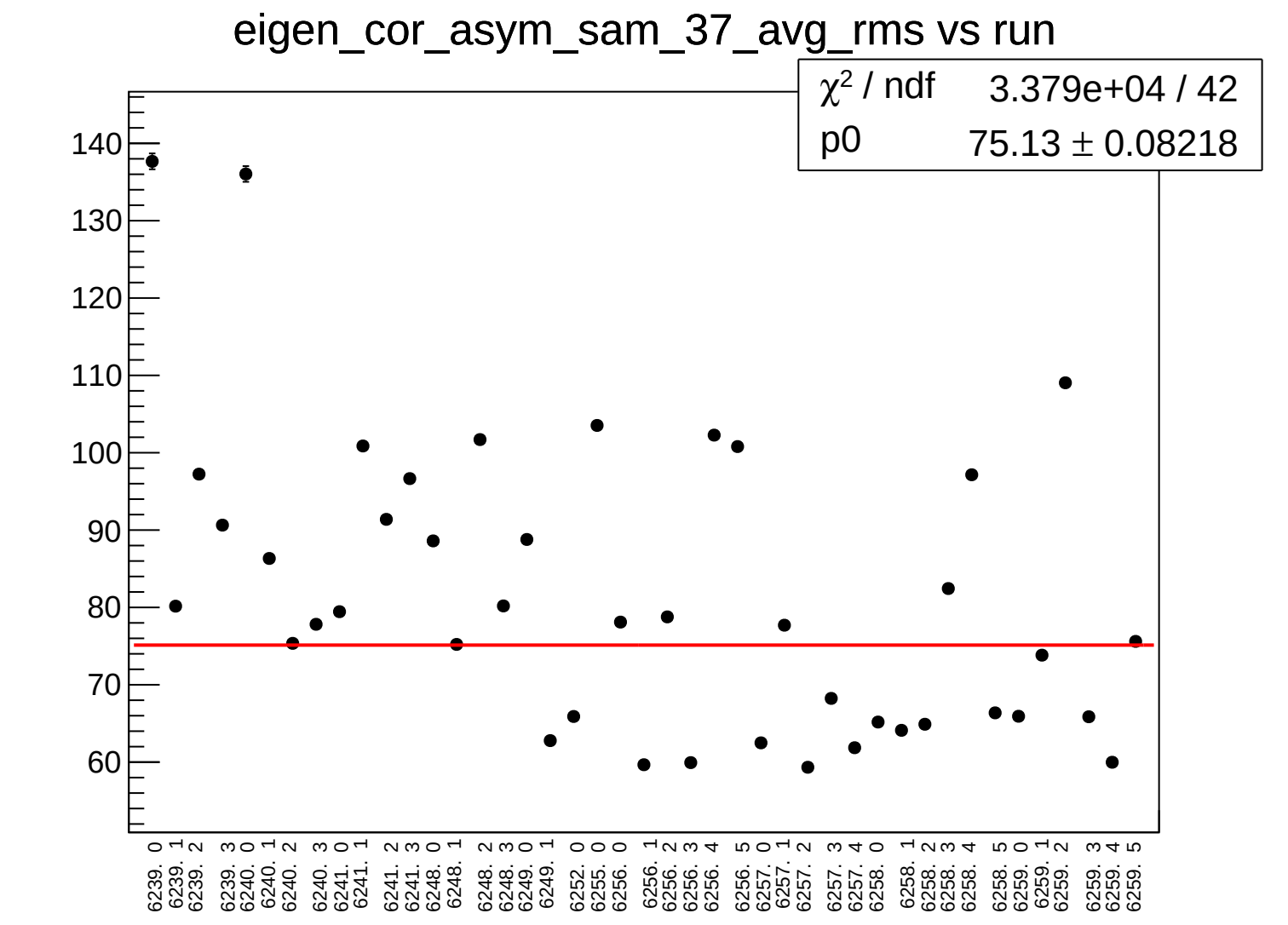

cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.379e+04 / 42
p0 75.13 ± 0.08218
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

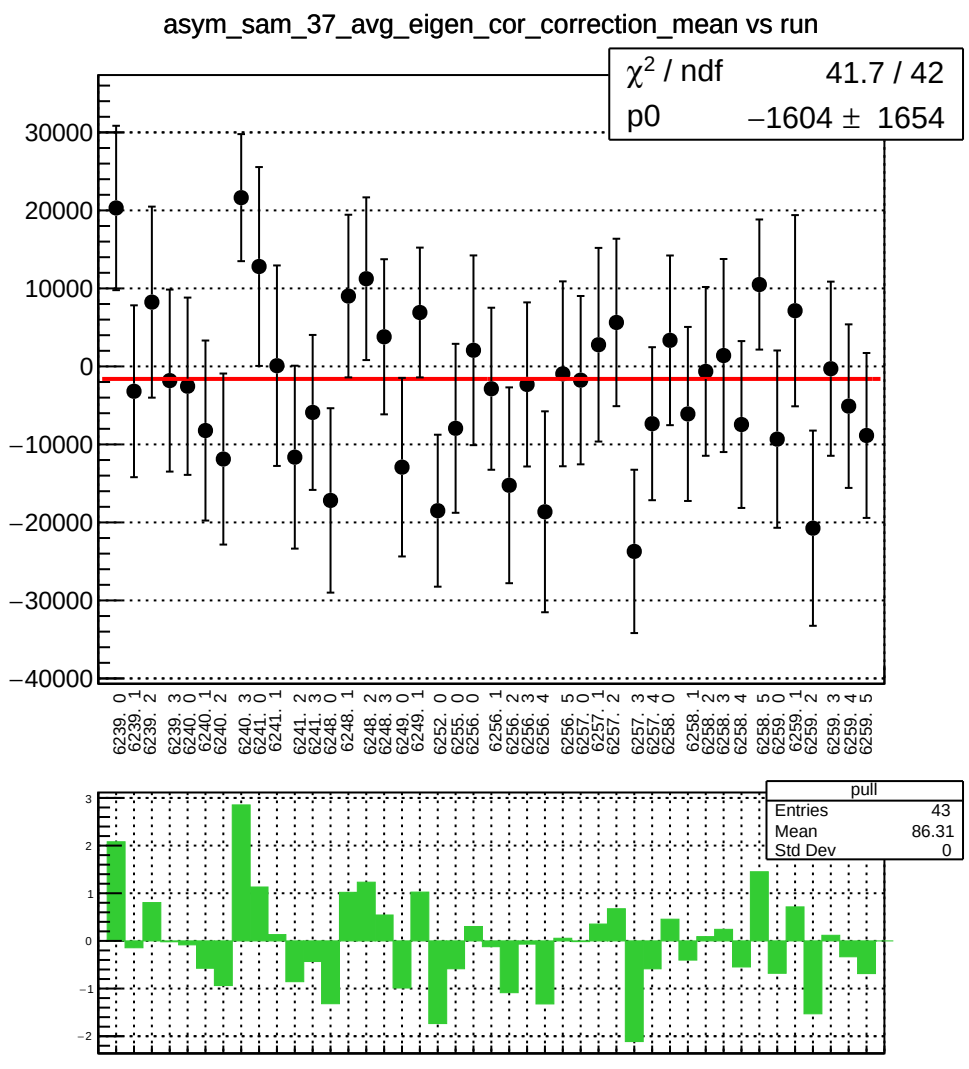

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 41.7 / 42
p0 −1604 ± 1654
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.31
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04374
Std Dev 0.9837
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

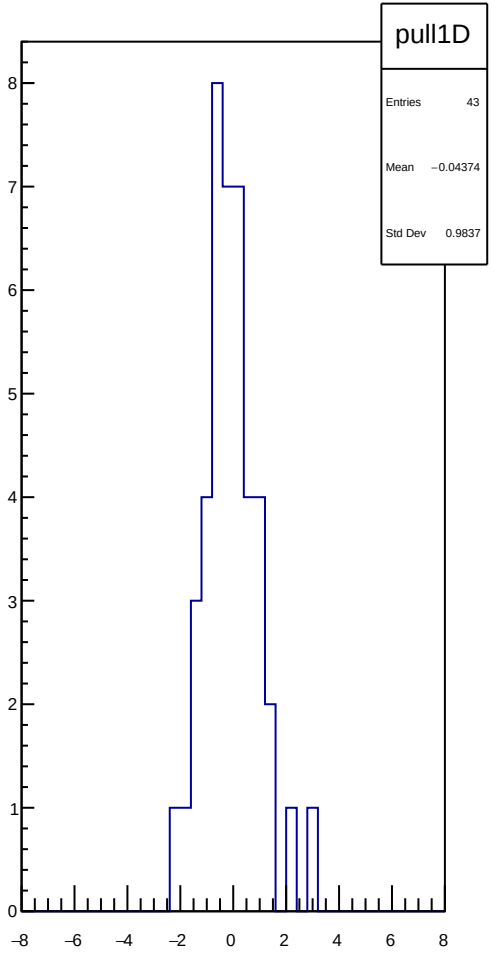

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 6730 / 42
p0 1086 ± 1.169
1500
1400
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

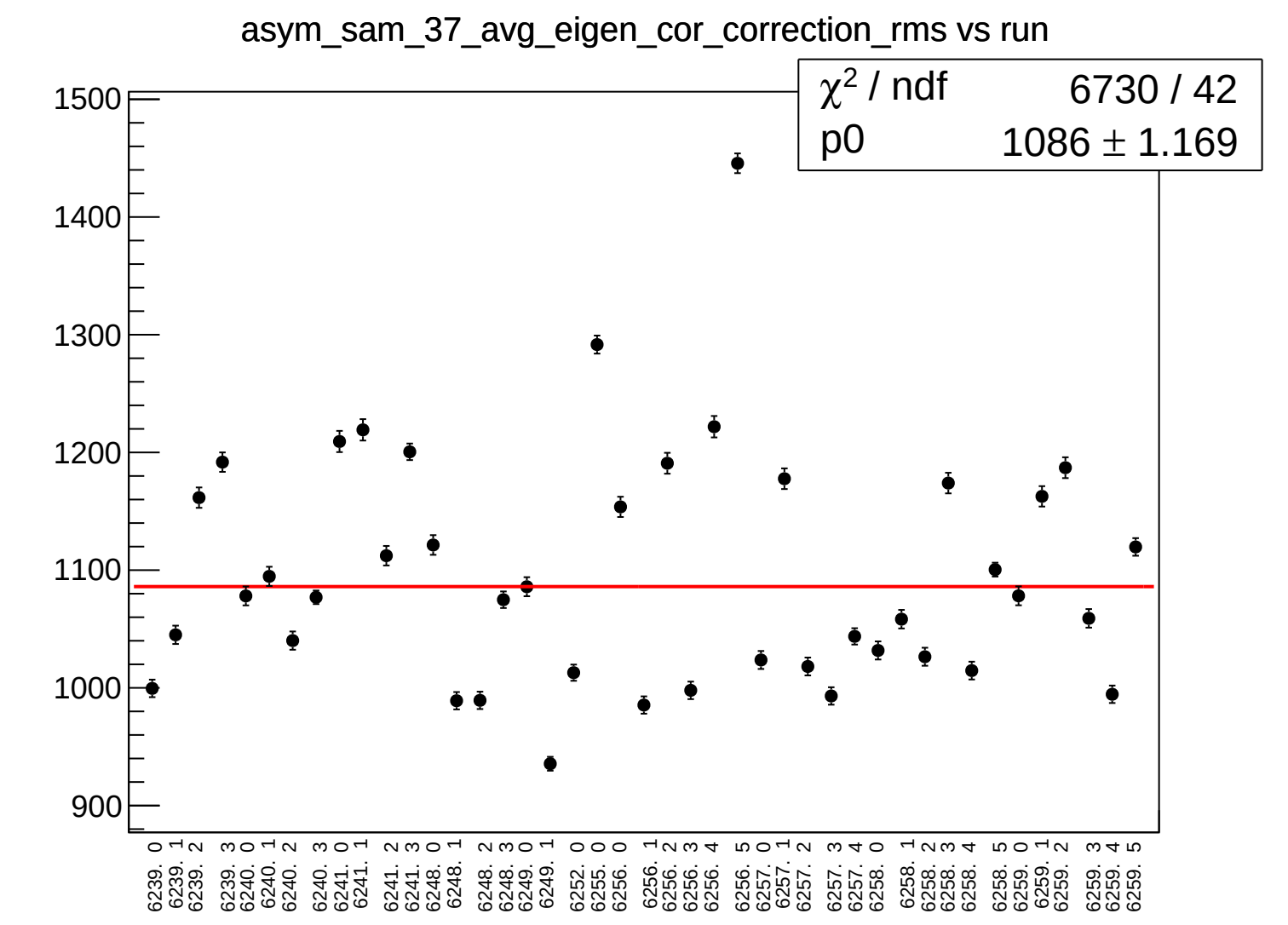

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 52.36 / 42
p0 76.71 ± 116.2
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −10.87
Std Dev 0
3
2
1
0
−1
−2

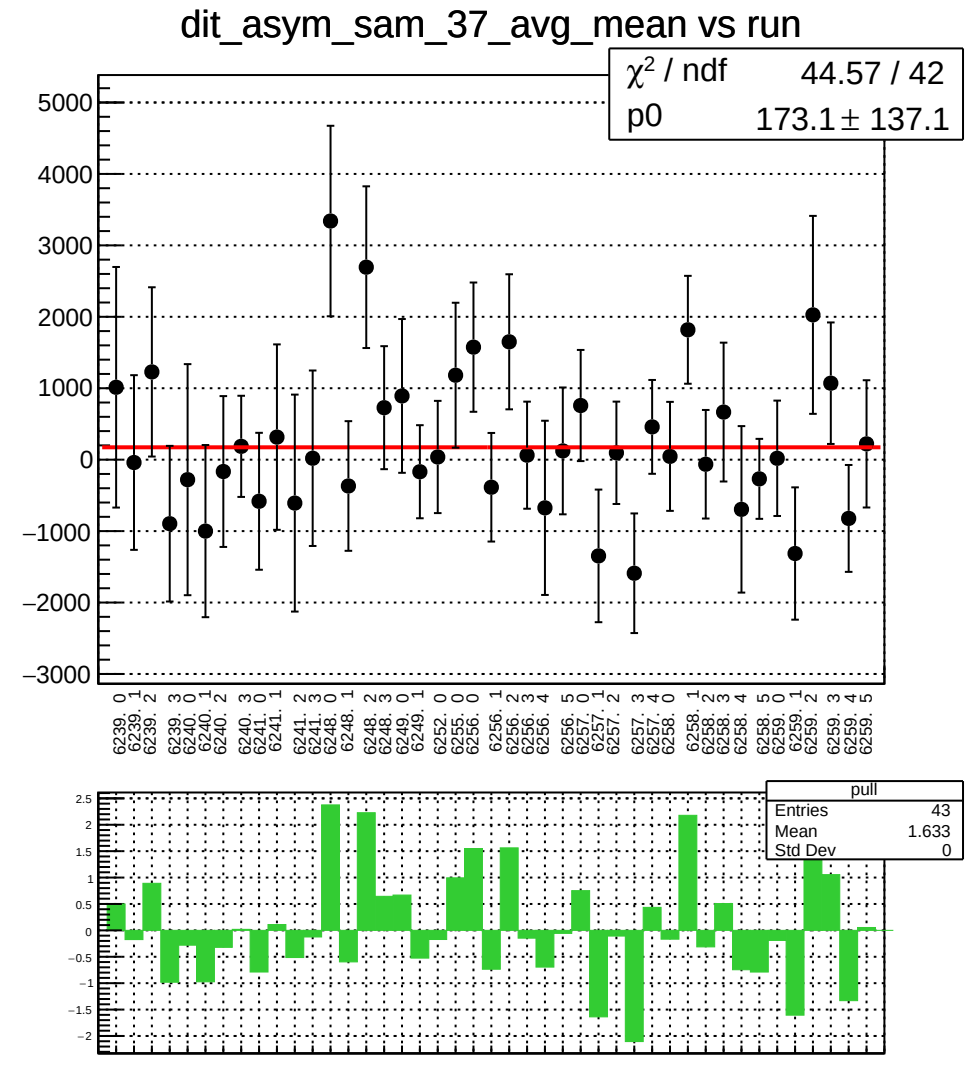

pull1D
Entries 43
Mean 0.04787
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

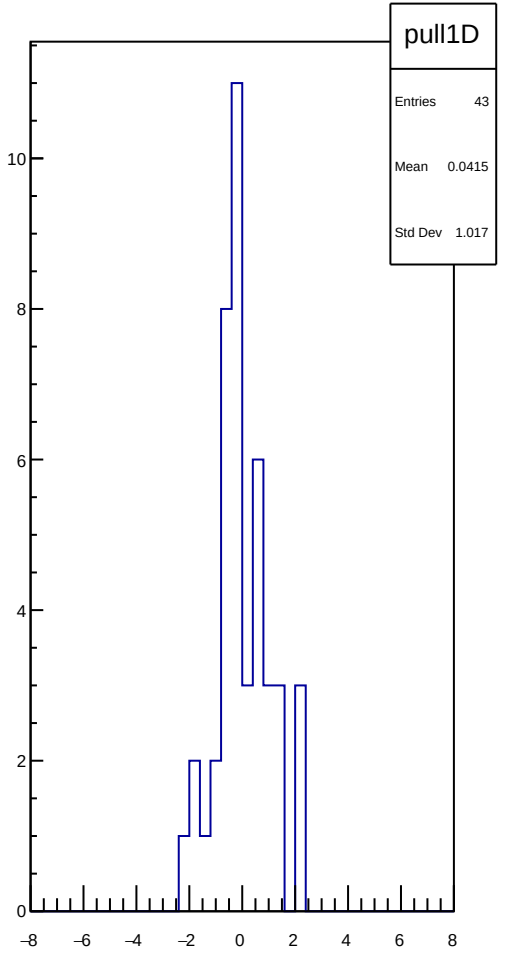

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.379e+04 / 42
p0 75.13 ± 0.08218
140
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

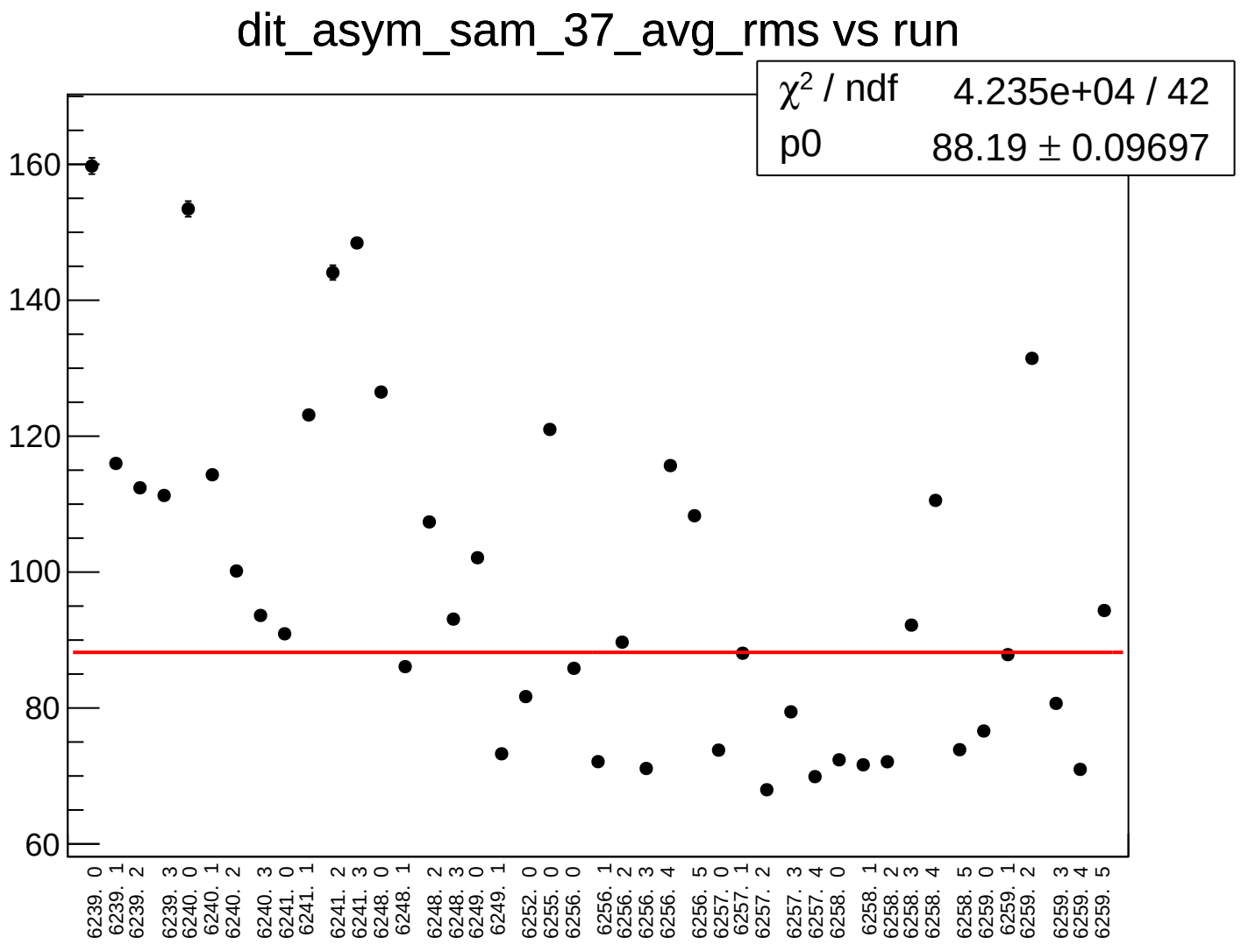

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.7 / 42
p0 −1604 ± 1654
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.31
Std Dev 0
3
2
1
0
−1
−2

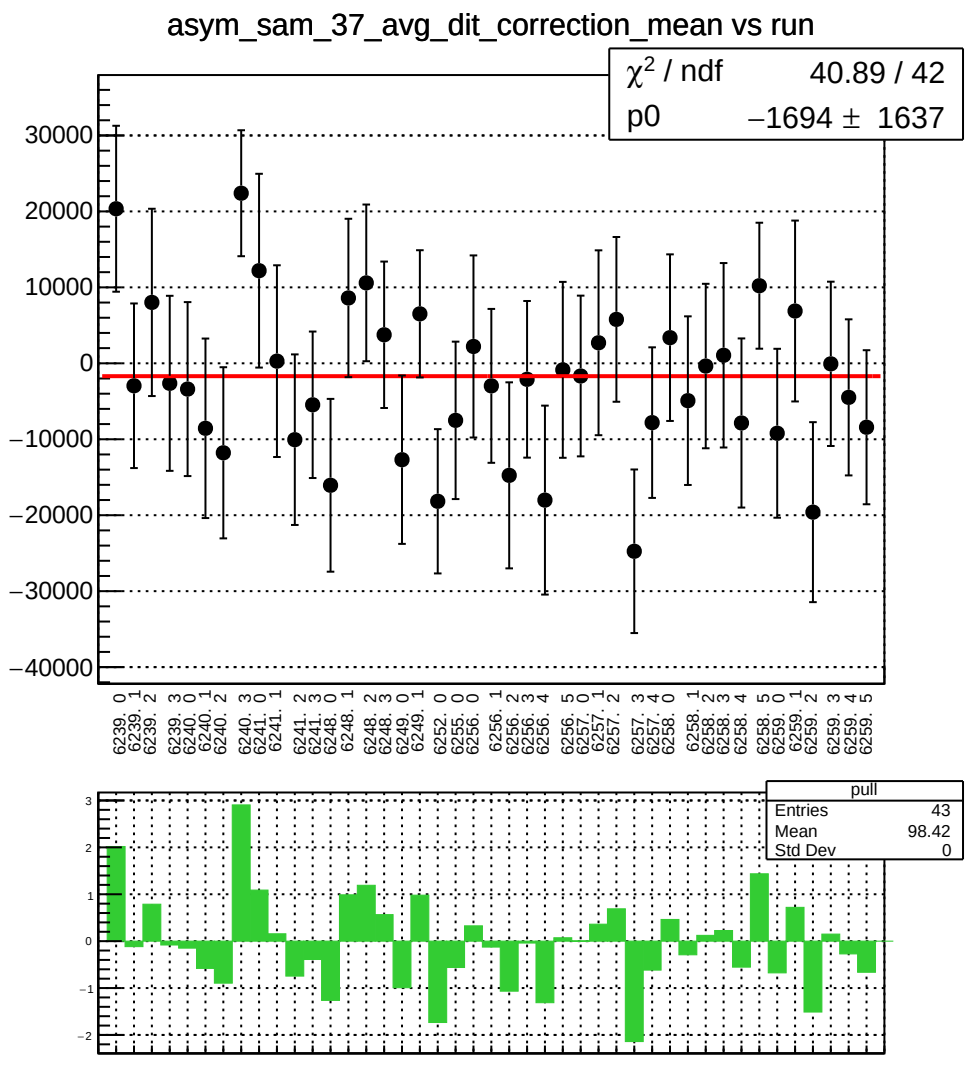

pull1D
Entries 43
Mean −0.04374
Std Dev 0.9837
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

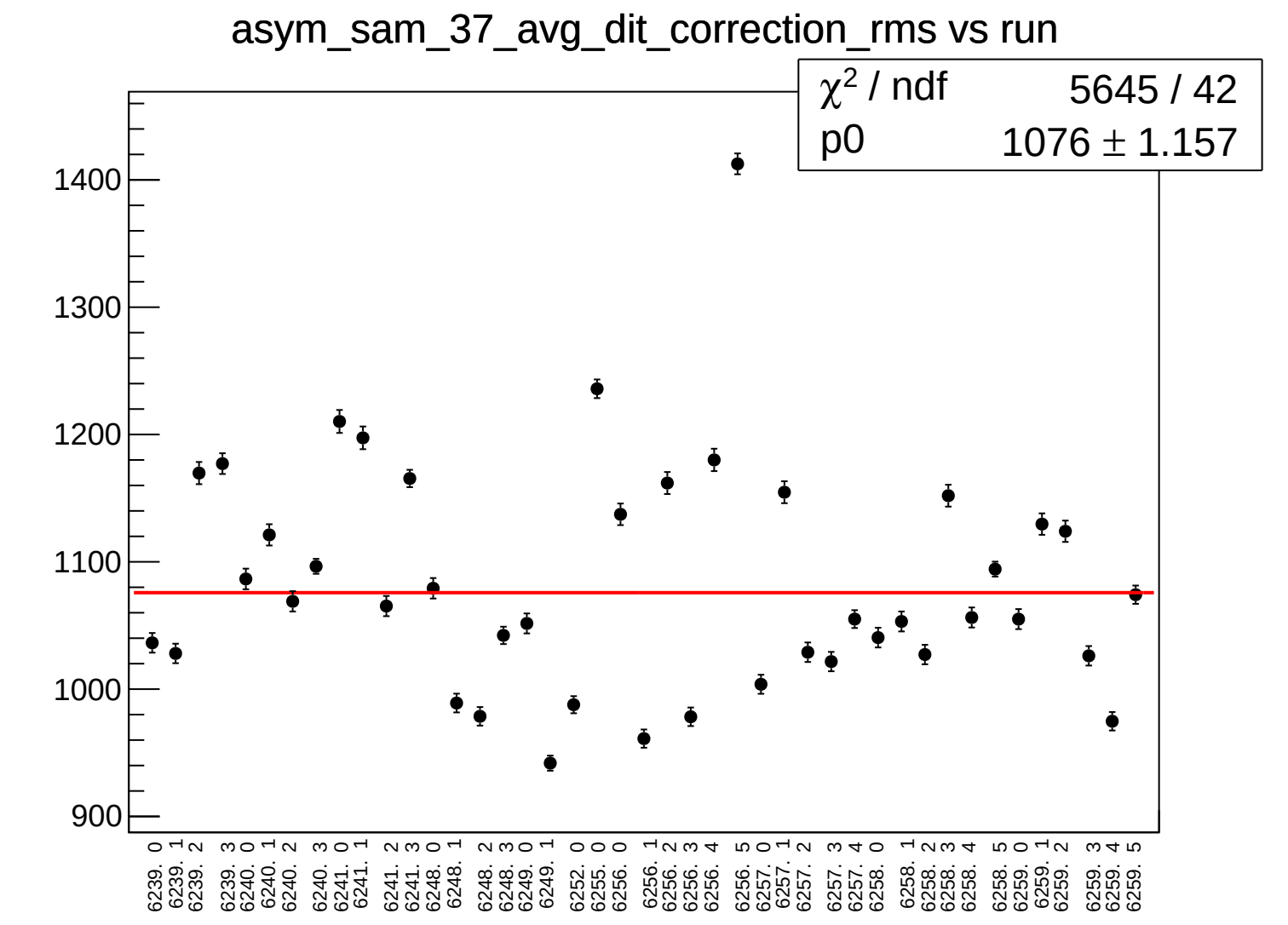

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 6730 / 42
p0 1086 ± 1.169
1500
1400
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

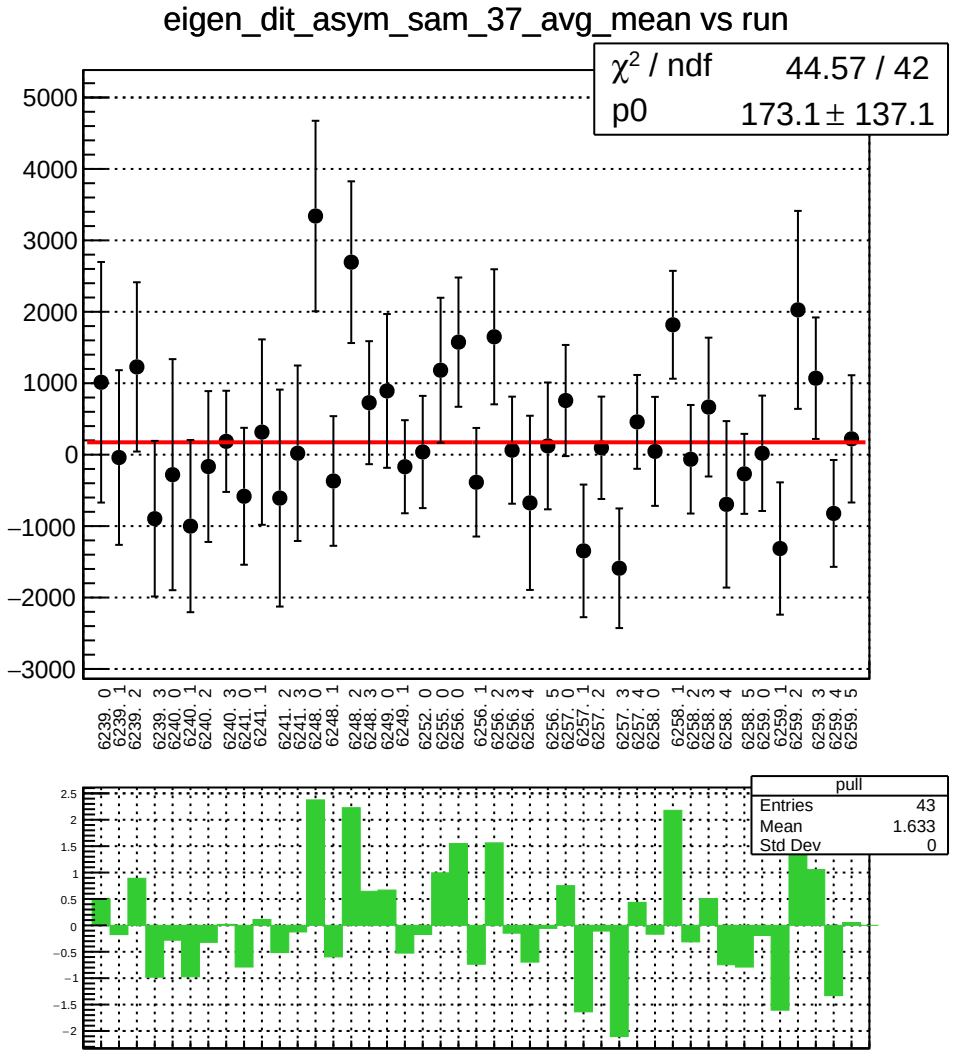

dit_asym_sam_37_avg_mean vs run
χ² / ndf 44.57 / 42
p0 173.1 ± 137.1
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.633
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

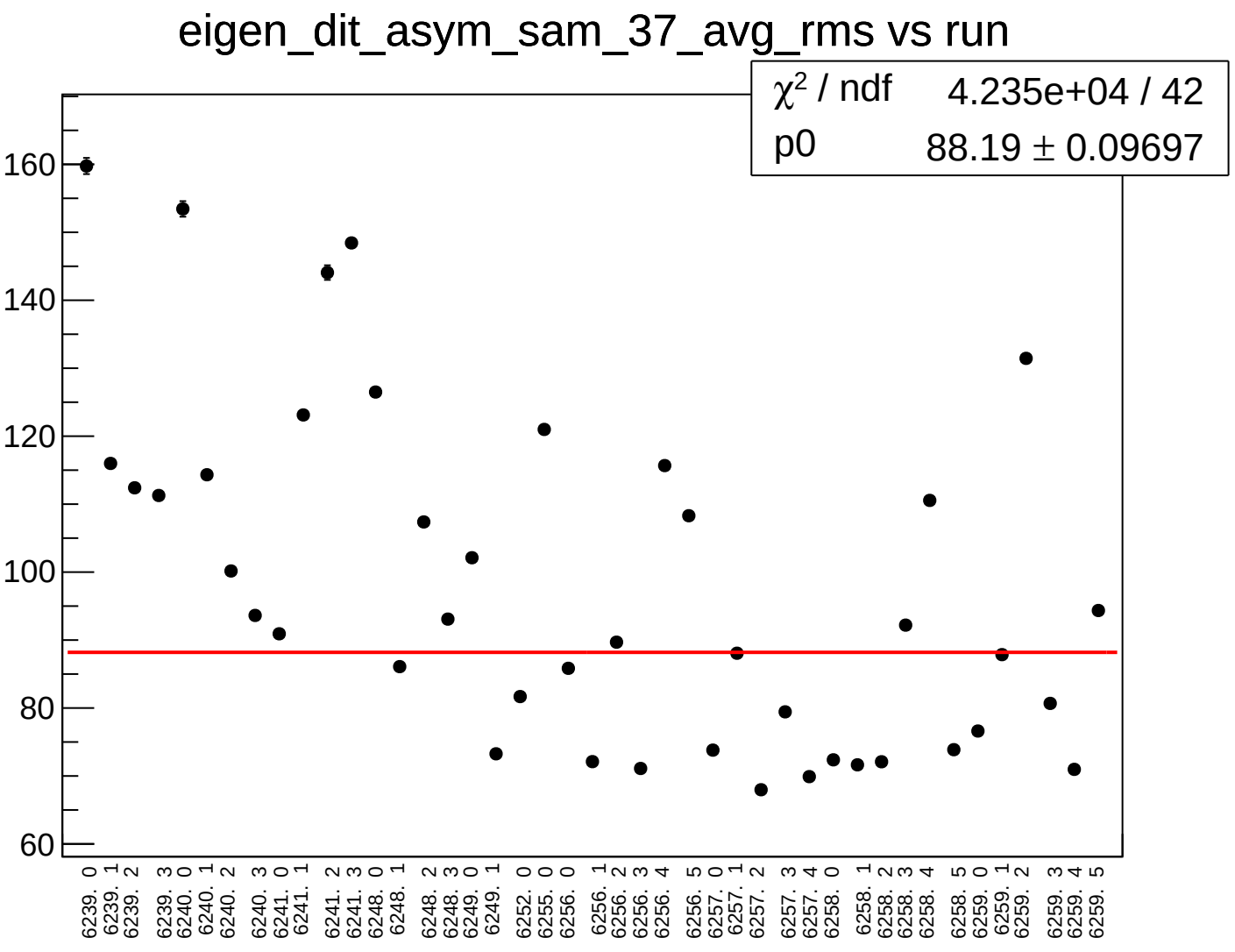

pull1D
Entries 43
Mean 0.0415
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

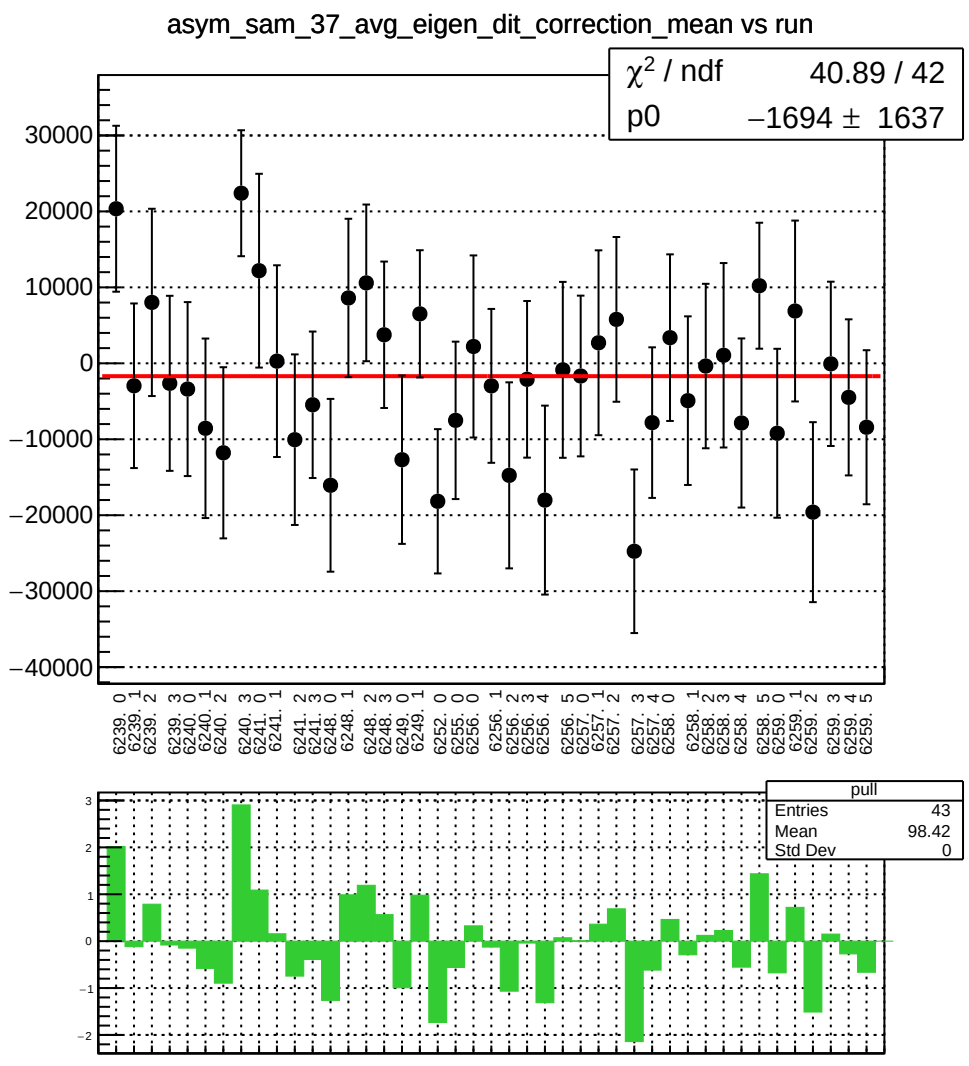

dit_asym_sam_37_avg_rms vs run
χ² / ndf 4.235e+04 / 42
p0 88.19 ± 0.09697
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

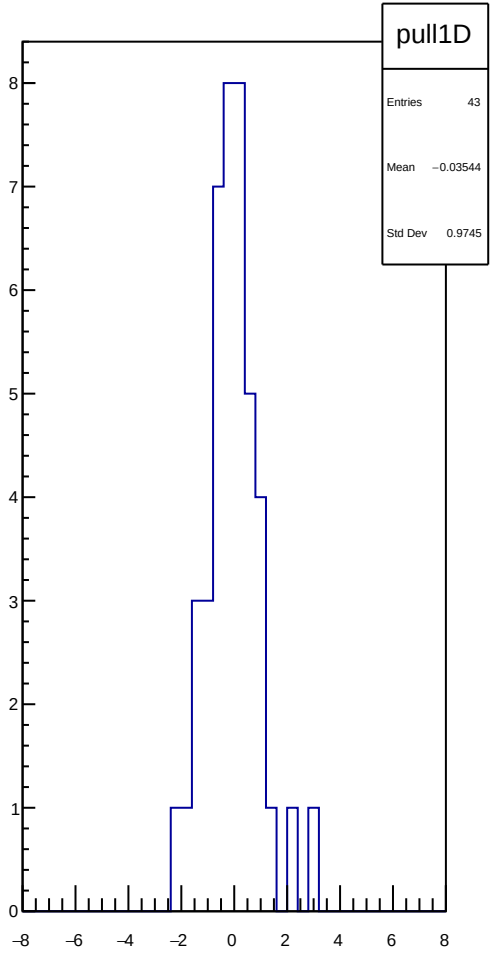

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 40.89 / 42
p0 −1694 ± 1637
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 98.42
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03544
Std Dev 0.9745
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

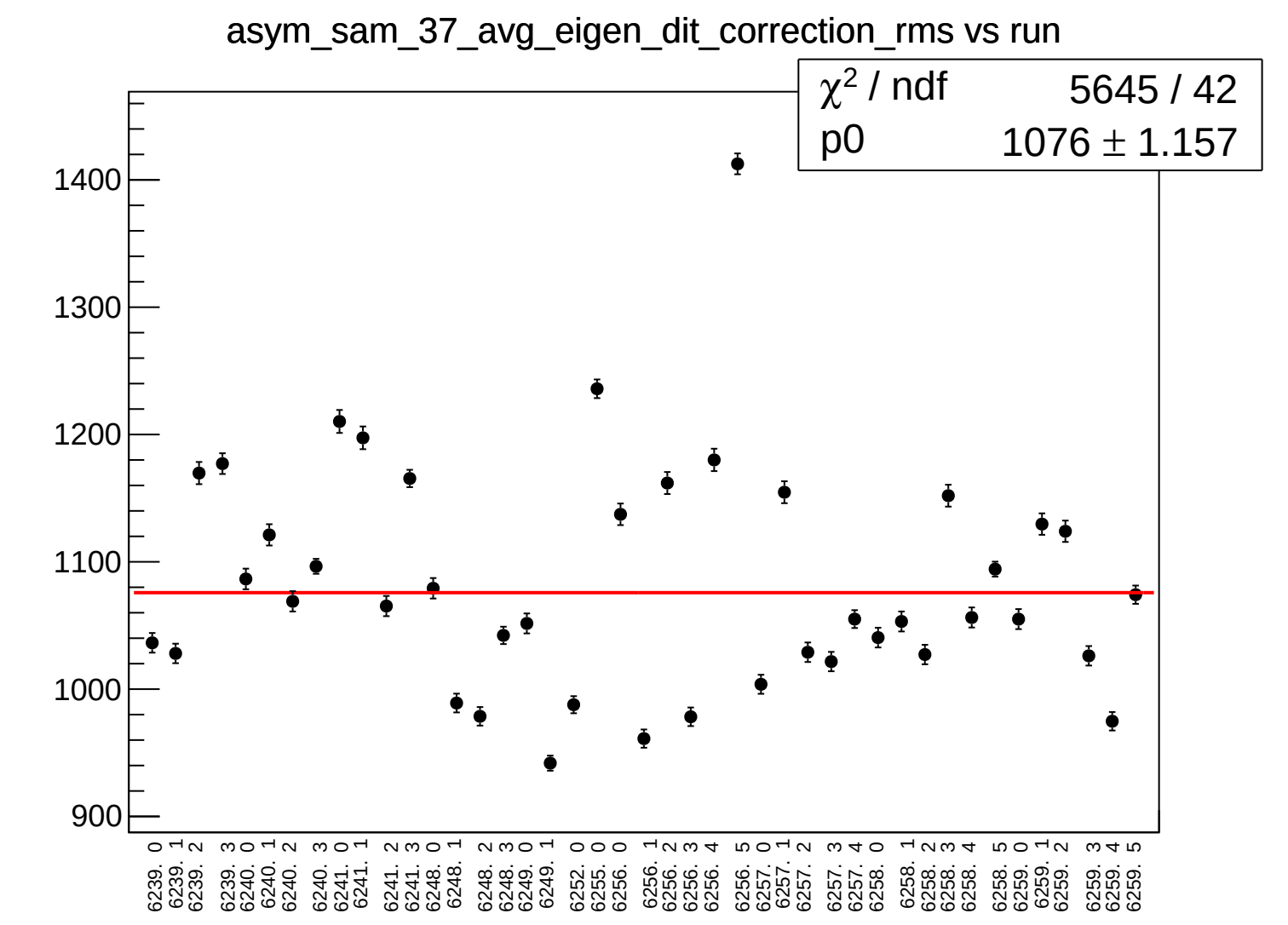

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 5645 / 42
p0 1076 ± 1.157
1400
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

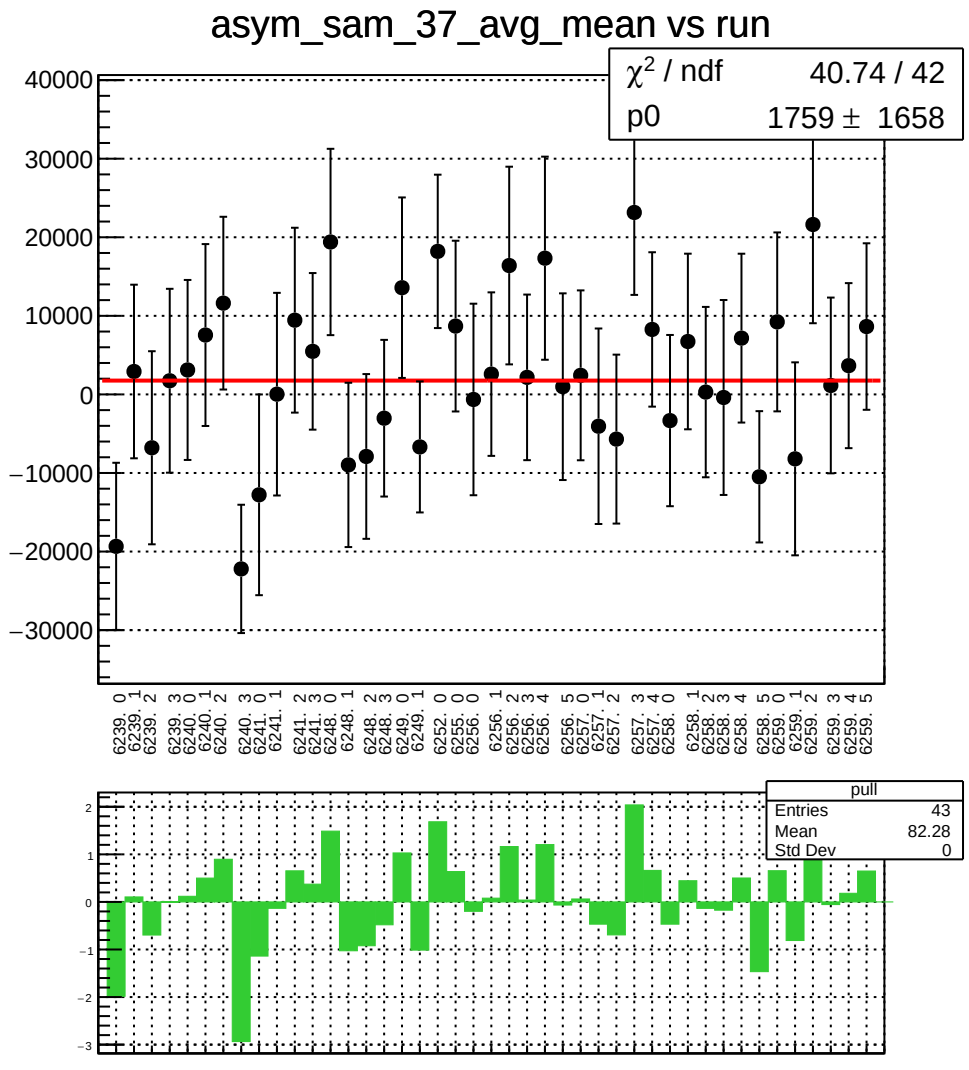

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 44.57 / 42
p0 173.1 ± 137.1
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.633
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0415
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

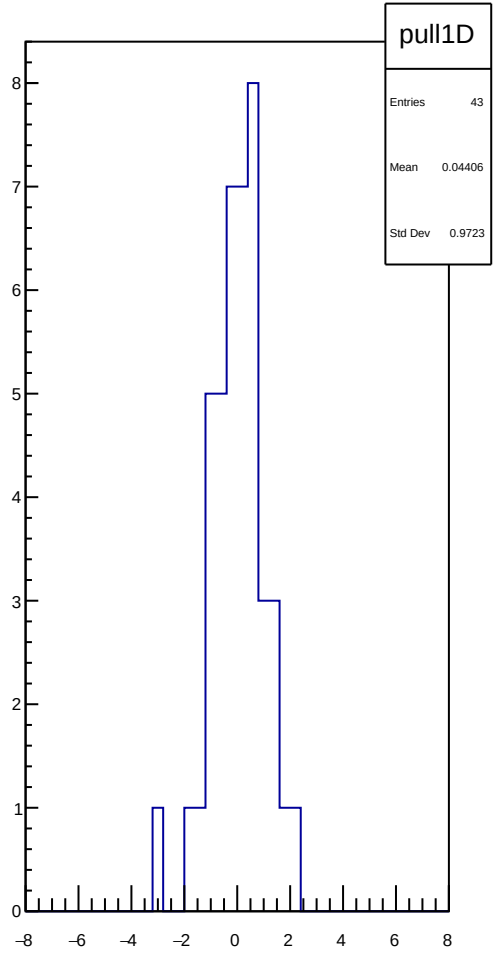

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 4.235e+04 / 42
p0 88.19 ± 0.09697
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

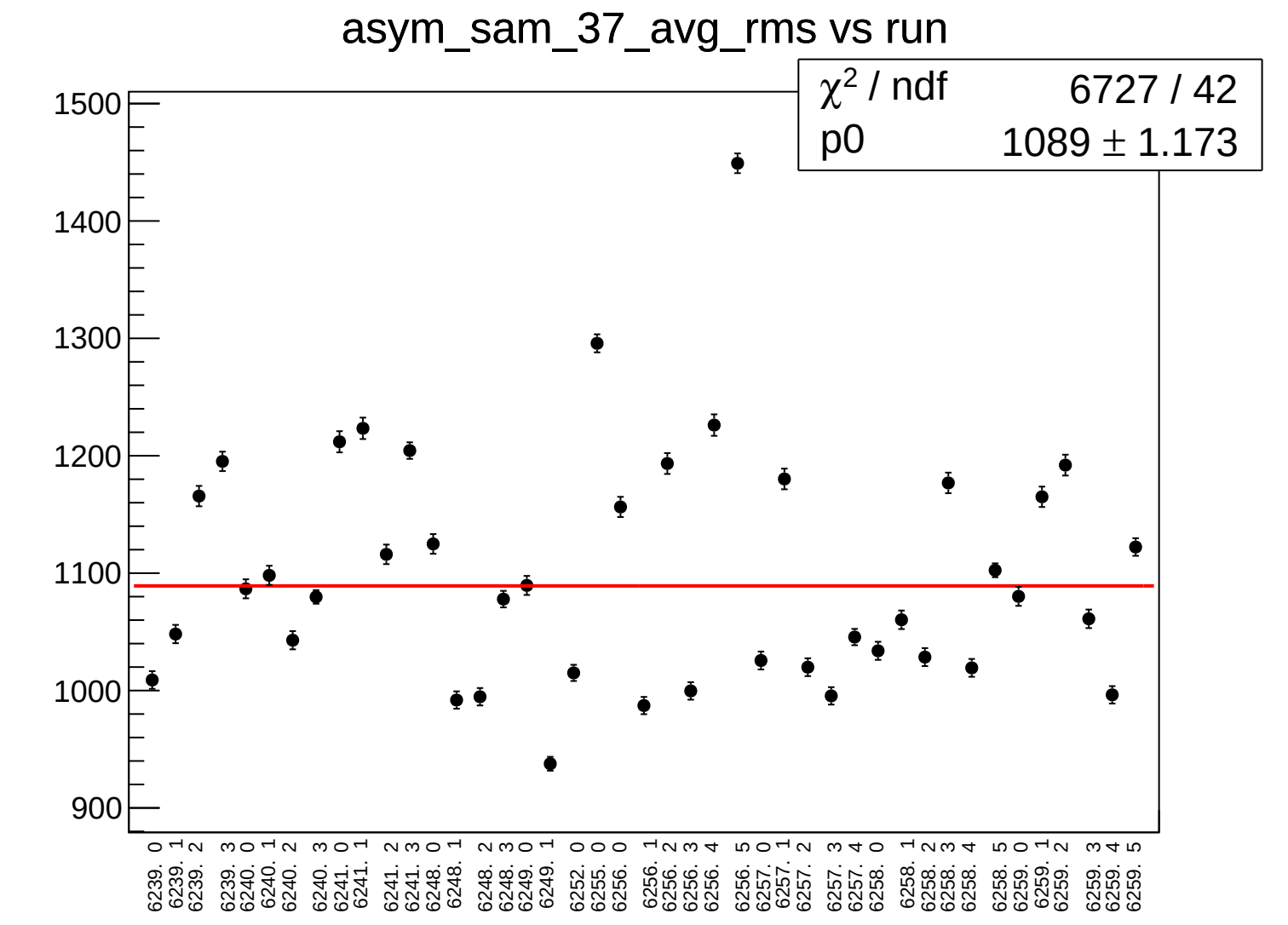

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 40.89 / 42
p0 −1694 ± 1637
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 98.42
Std Dev 0
3
2
1
0
−1
−2

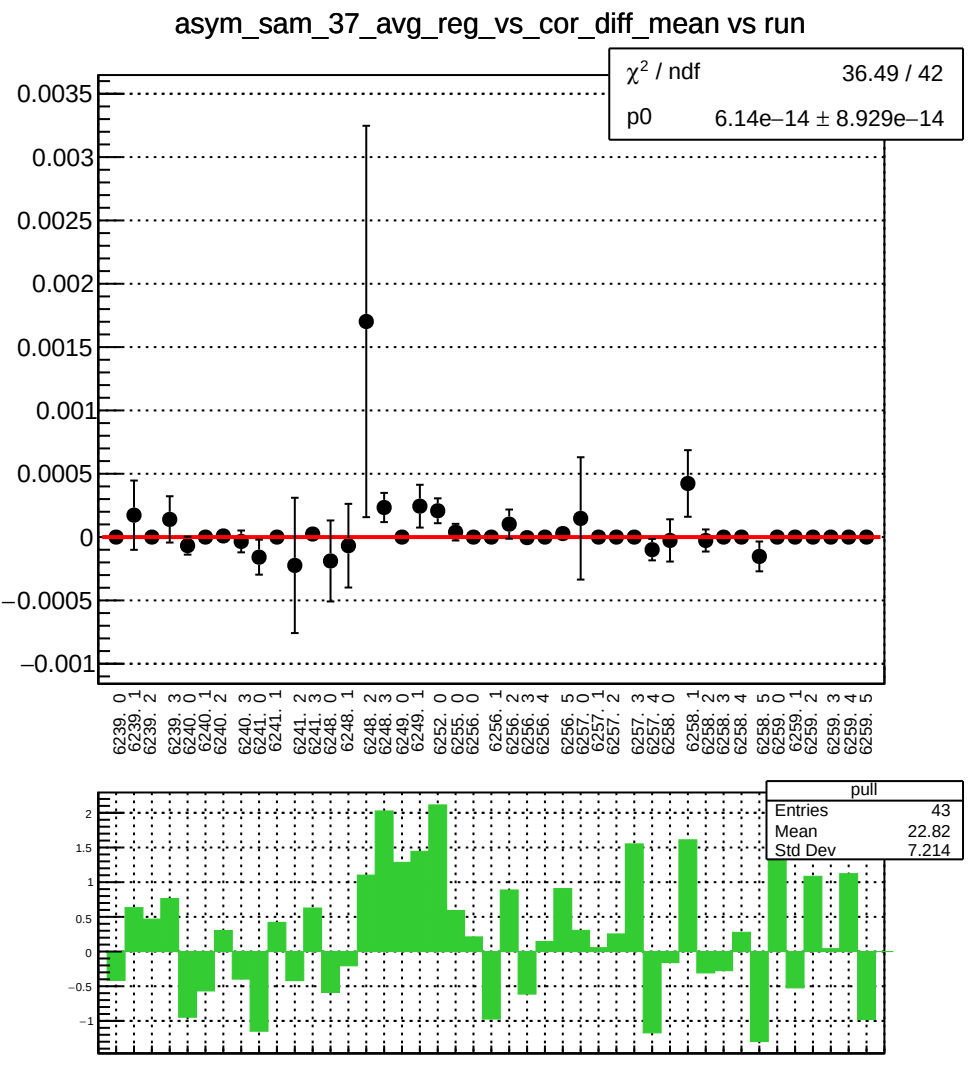

pull1D
Entries 43
Mean −0.03544
Std Dev 0.9745
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

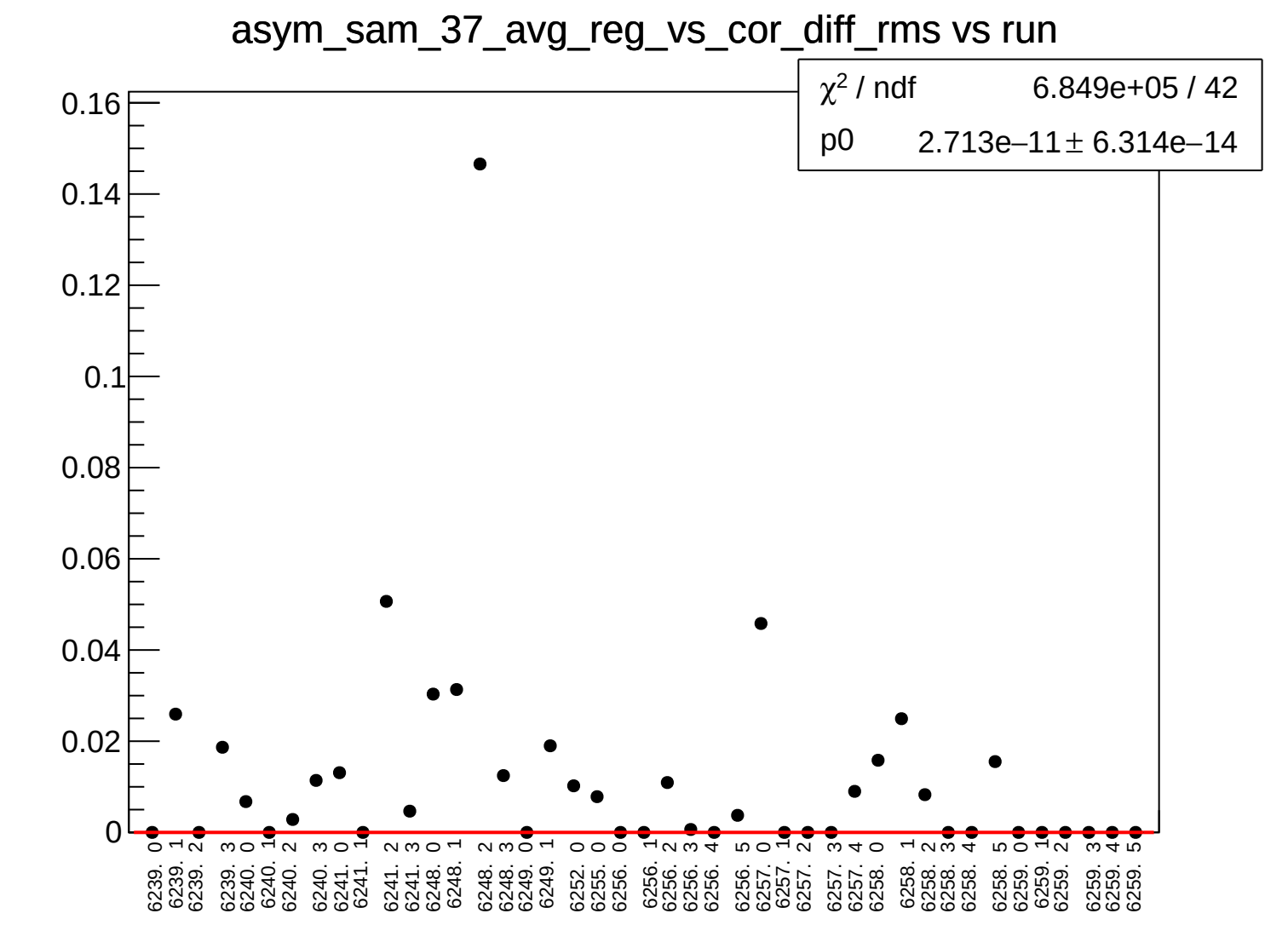

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 5645 / 42
p0 1076 ± 1.157
1400
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

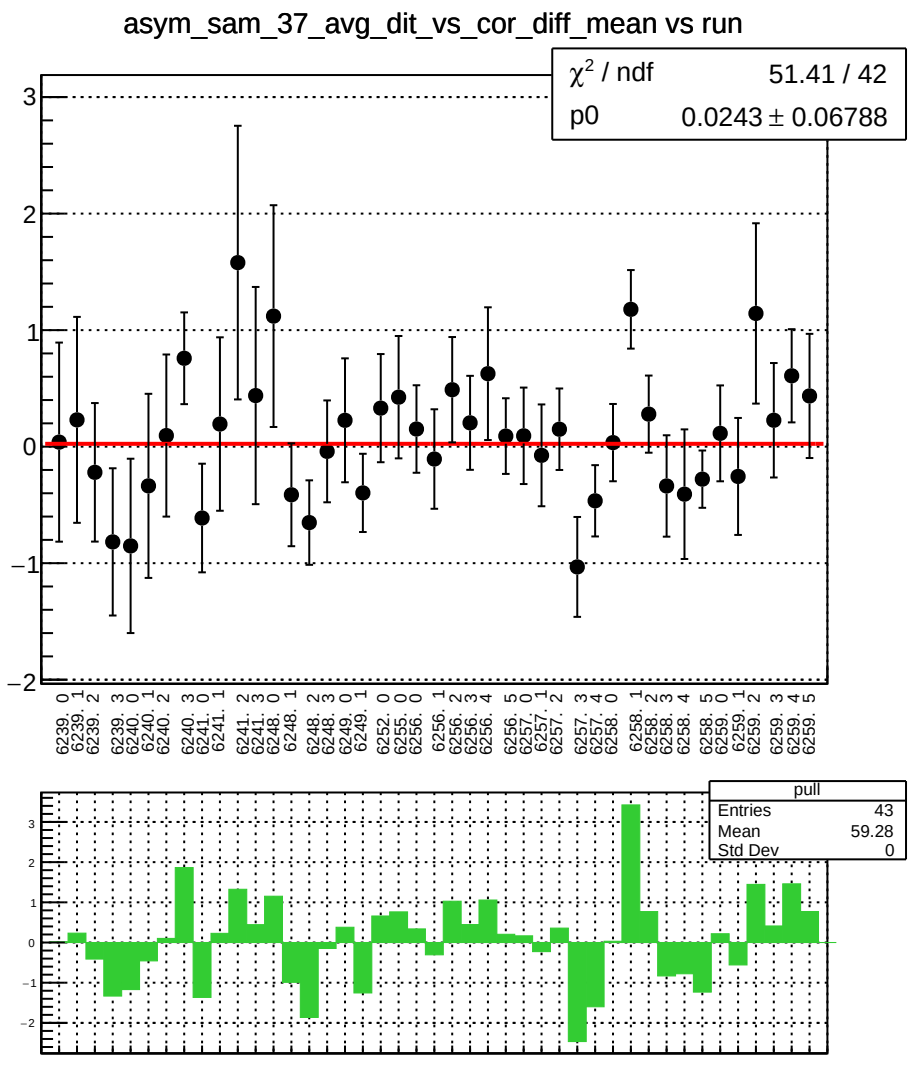

asym_sam_37_avg_mean vs run
χ² / ndf 40.74 / 42
p0 1759 ± 1658
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.28
Std Dev 0
2
1
0
−1
−2
−3

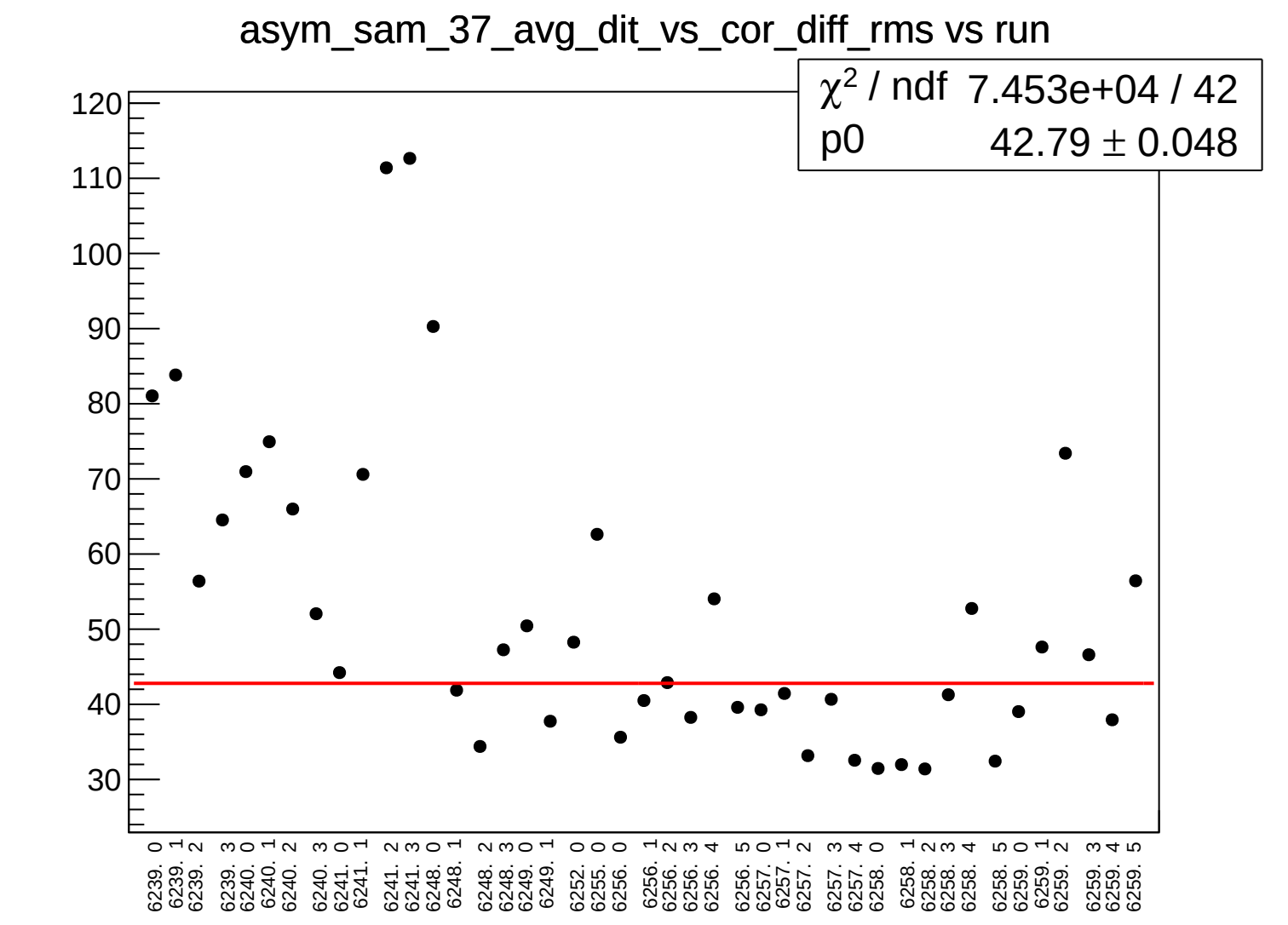

pull1D
Entries 43
Mean 0.04406
Std Dev 0.9723
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_rms vs run
χ² / ndf 6727 / 42
p0 1089 ± 1.173
1500
1400
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

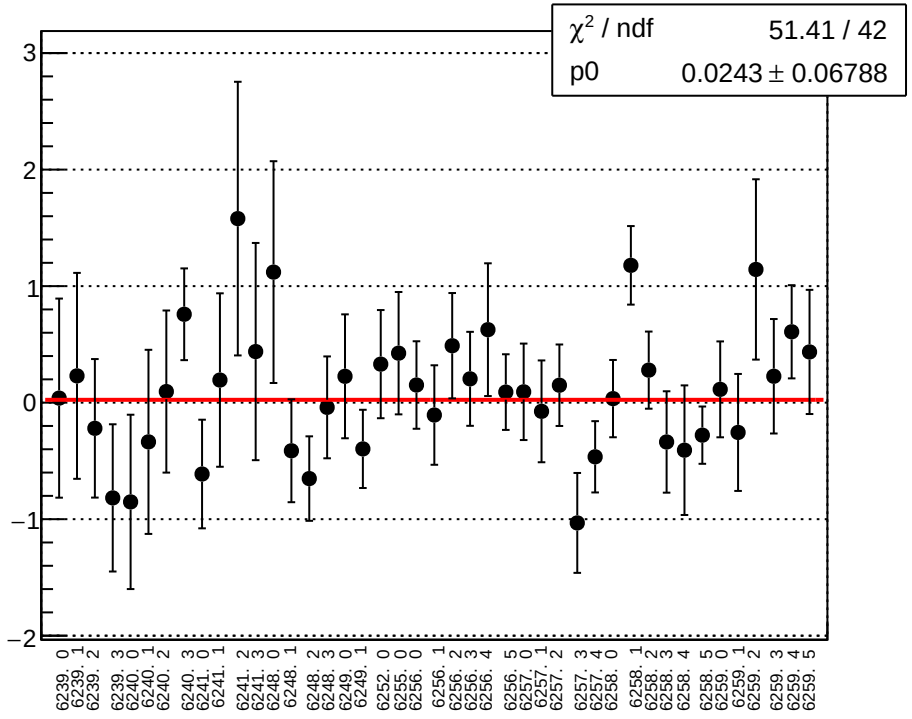

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.49 / 42
p0 6.14e−14 ± 8.929e−14
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 22.82
Std Dev 7.214
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.2489
Std Dev 0.8869
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

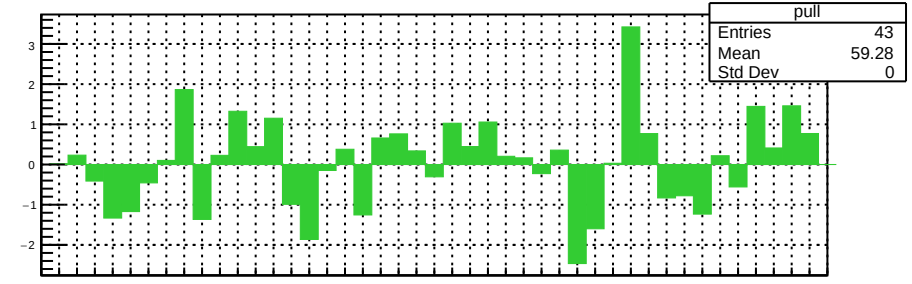

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.849e+05 / 42
p0 2.713e−11 ± 6.314e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

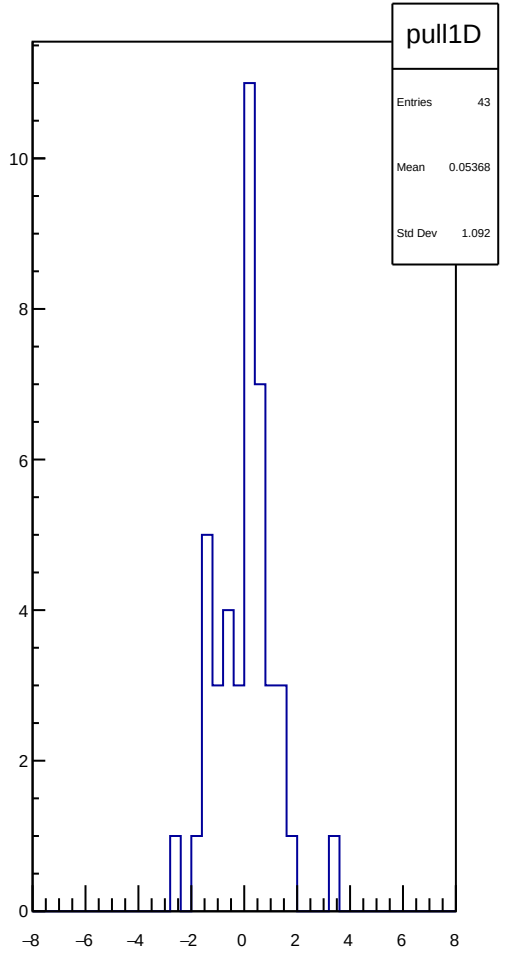

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.41 / 42
p0 0.0243 ± 0.06788
pull
Entries 43
Mean 59.28
Std Dev 0
pull1D
Entries 43
Mean 0.05368
Std Dev 1.092

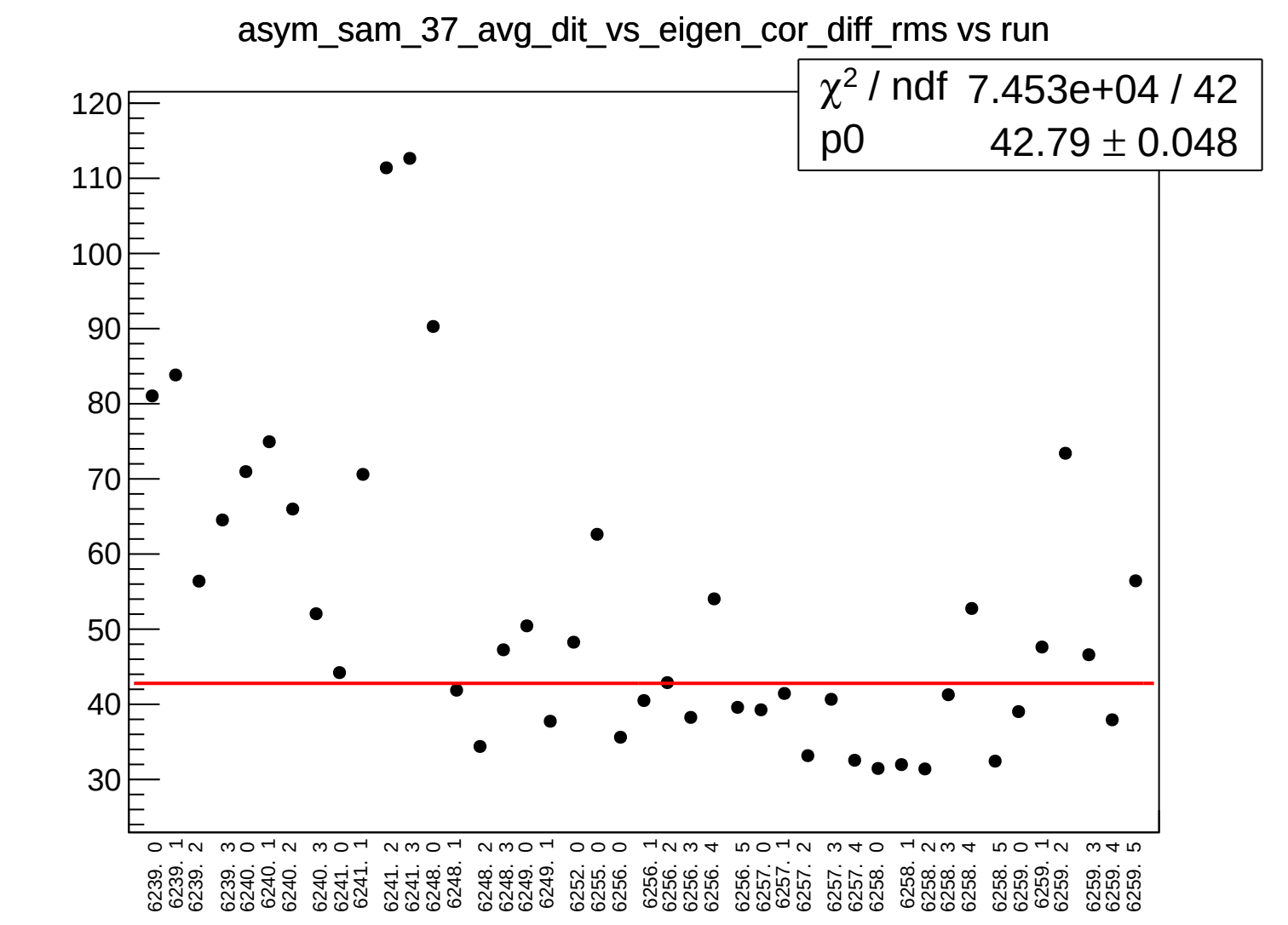

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.453e+04 / 42
p0 42.79 ± 0.048
120
110
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

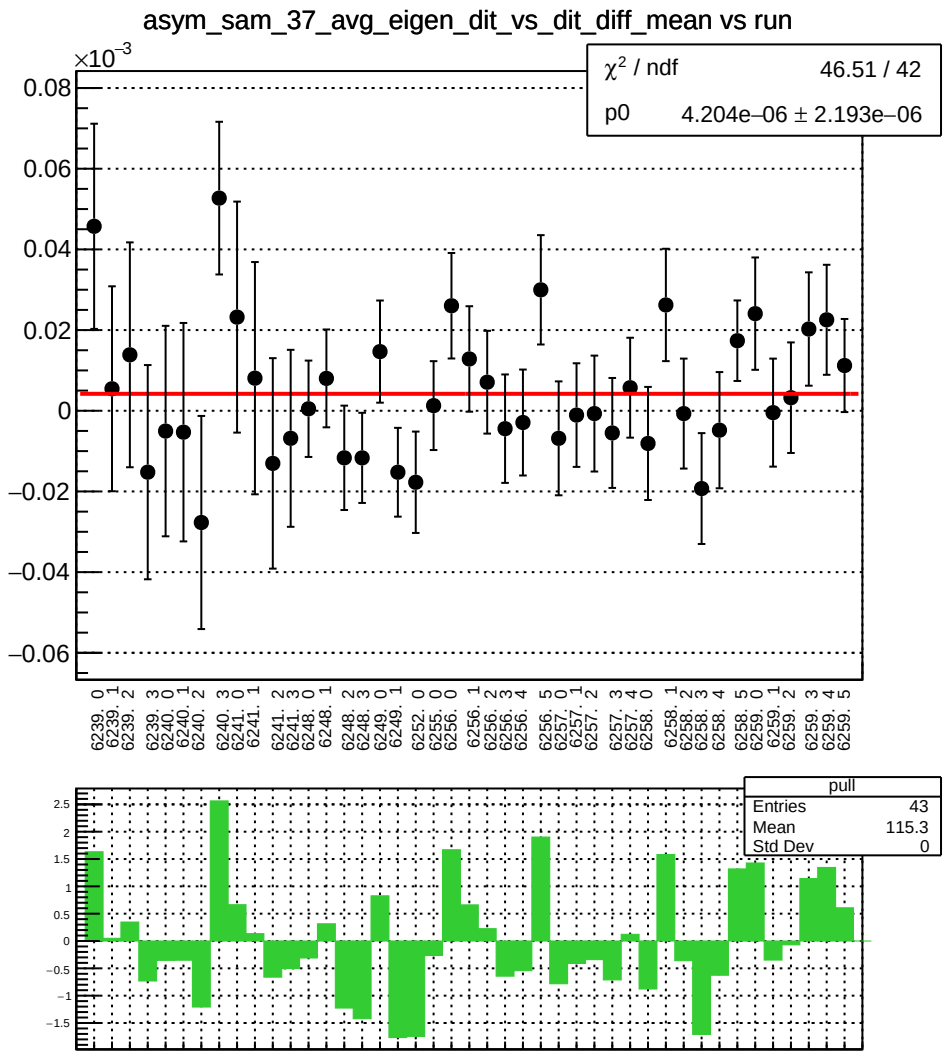
asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run

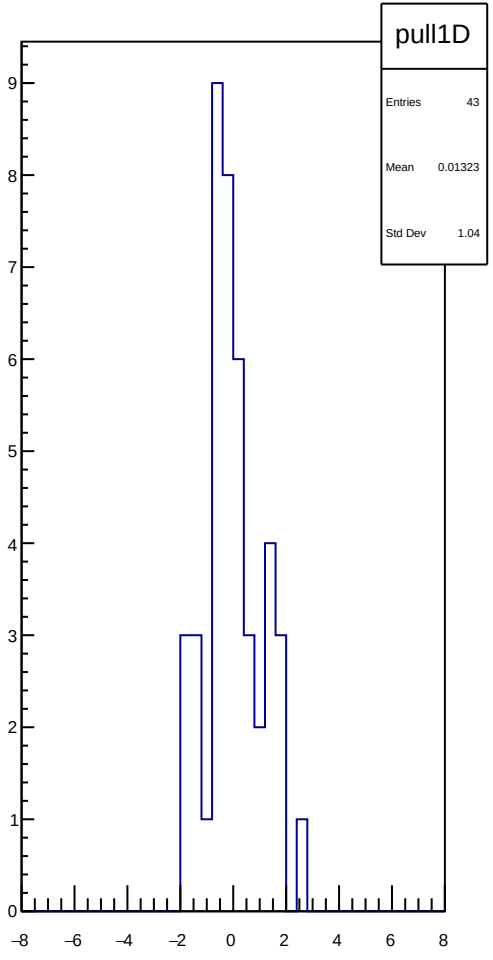


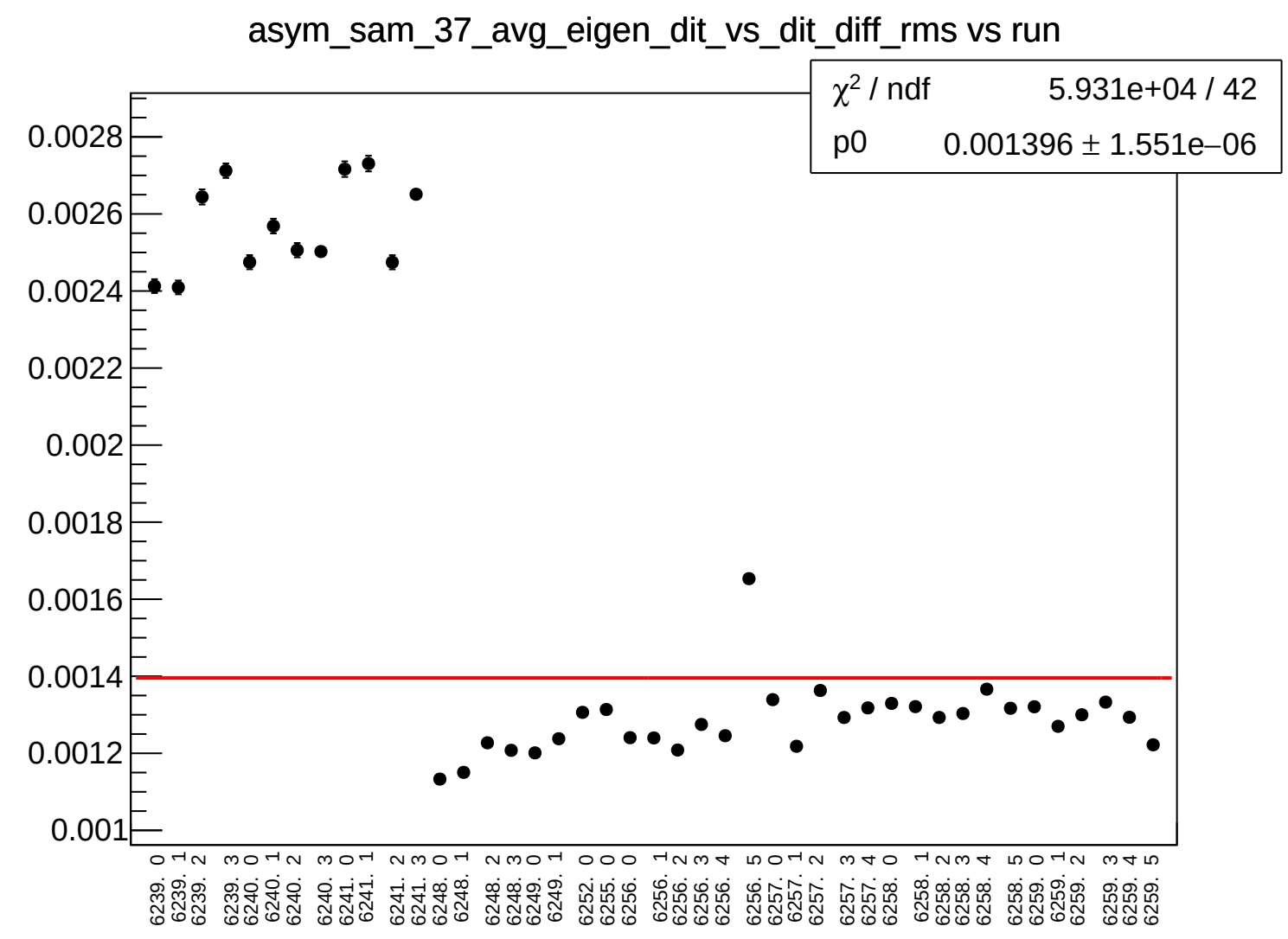



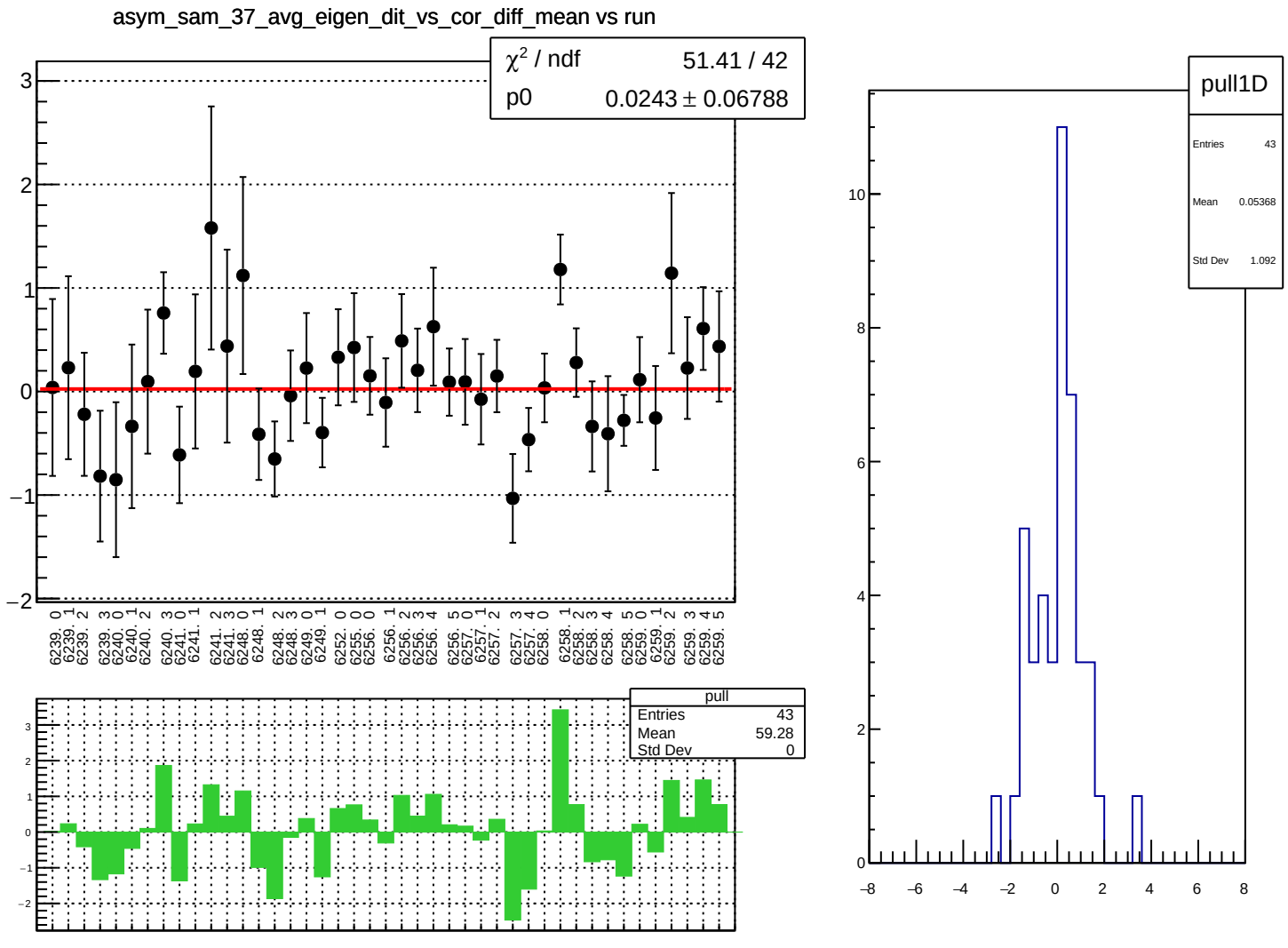



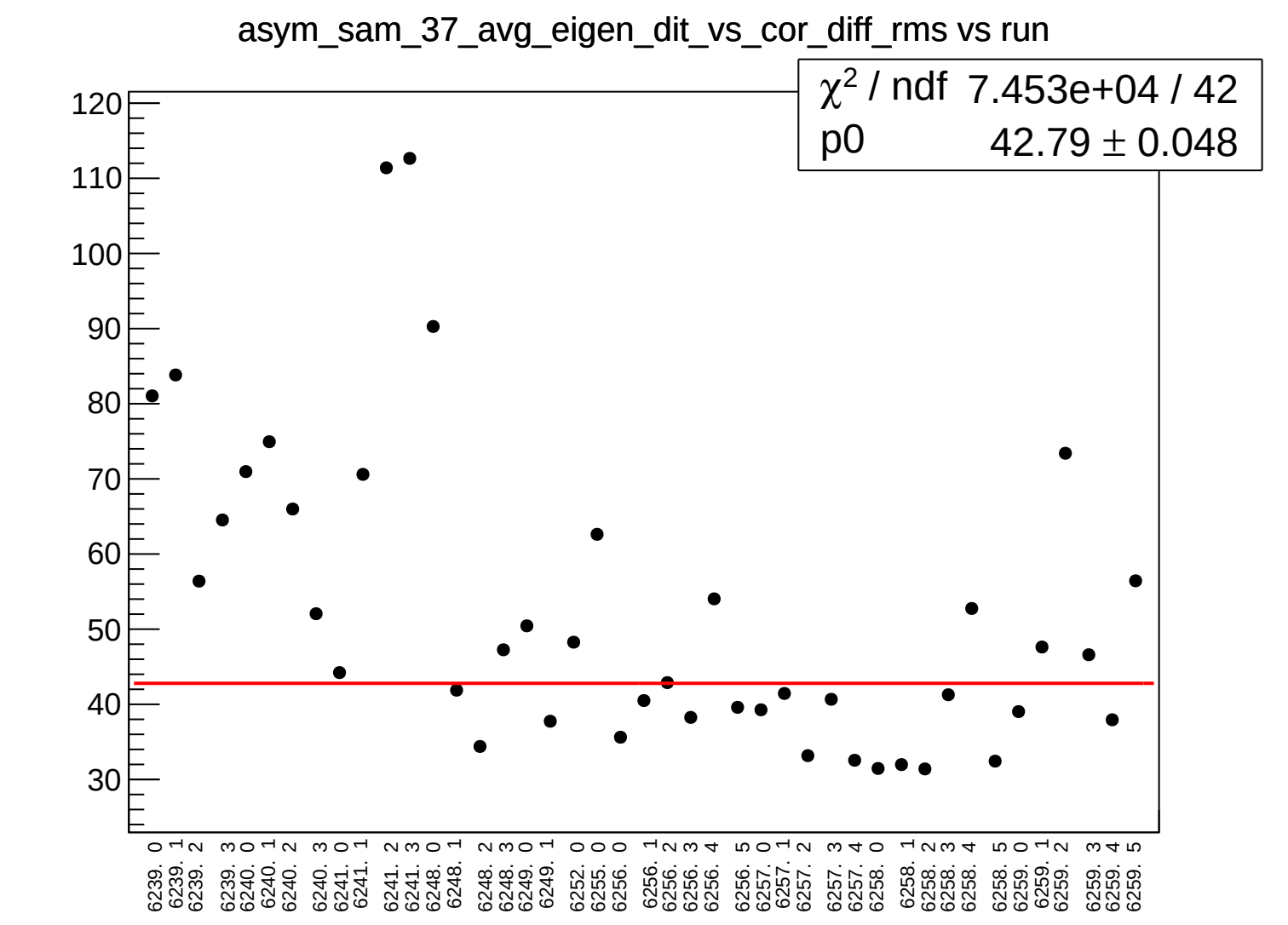

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.453e+04 / 42
p0 42.79 ± 0.048
120
110
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

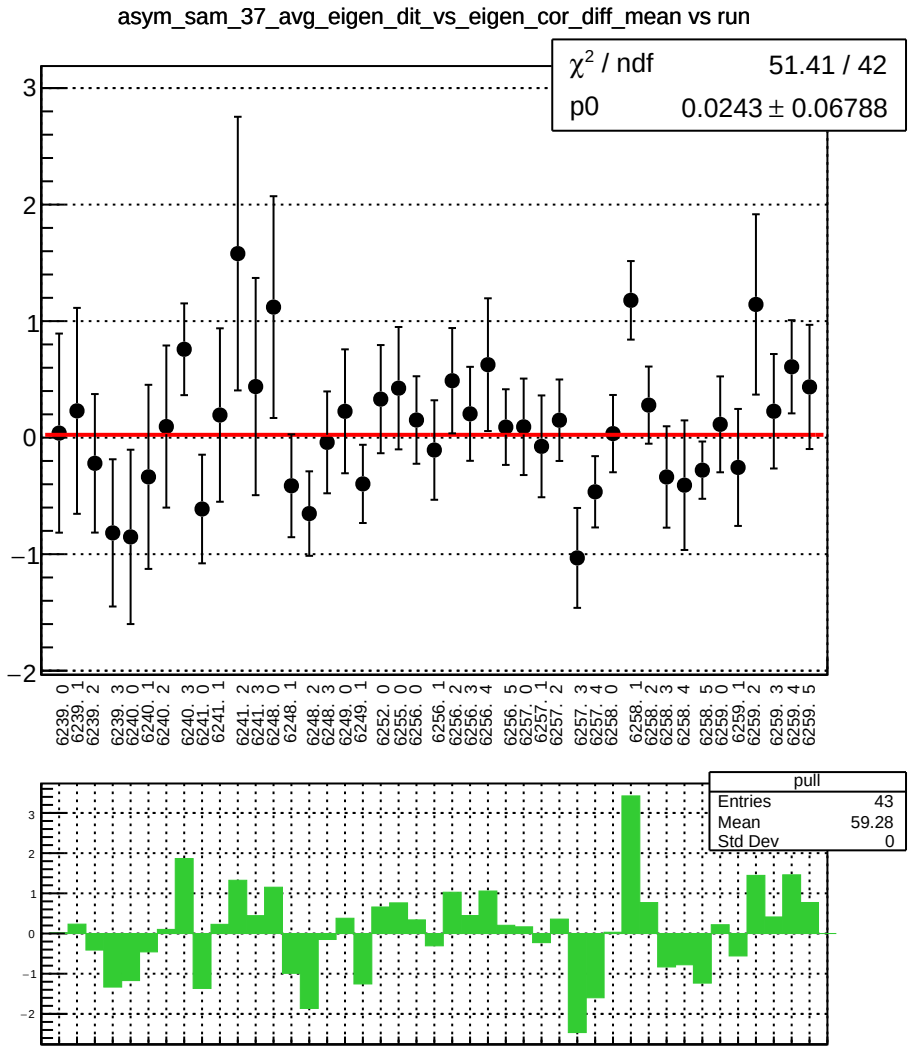

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.51 / 42
p0 4.204e−06 ± 2.193e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 115.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

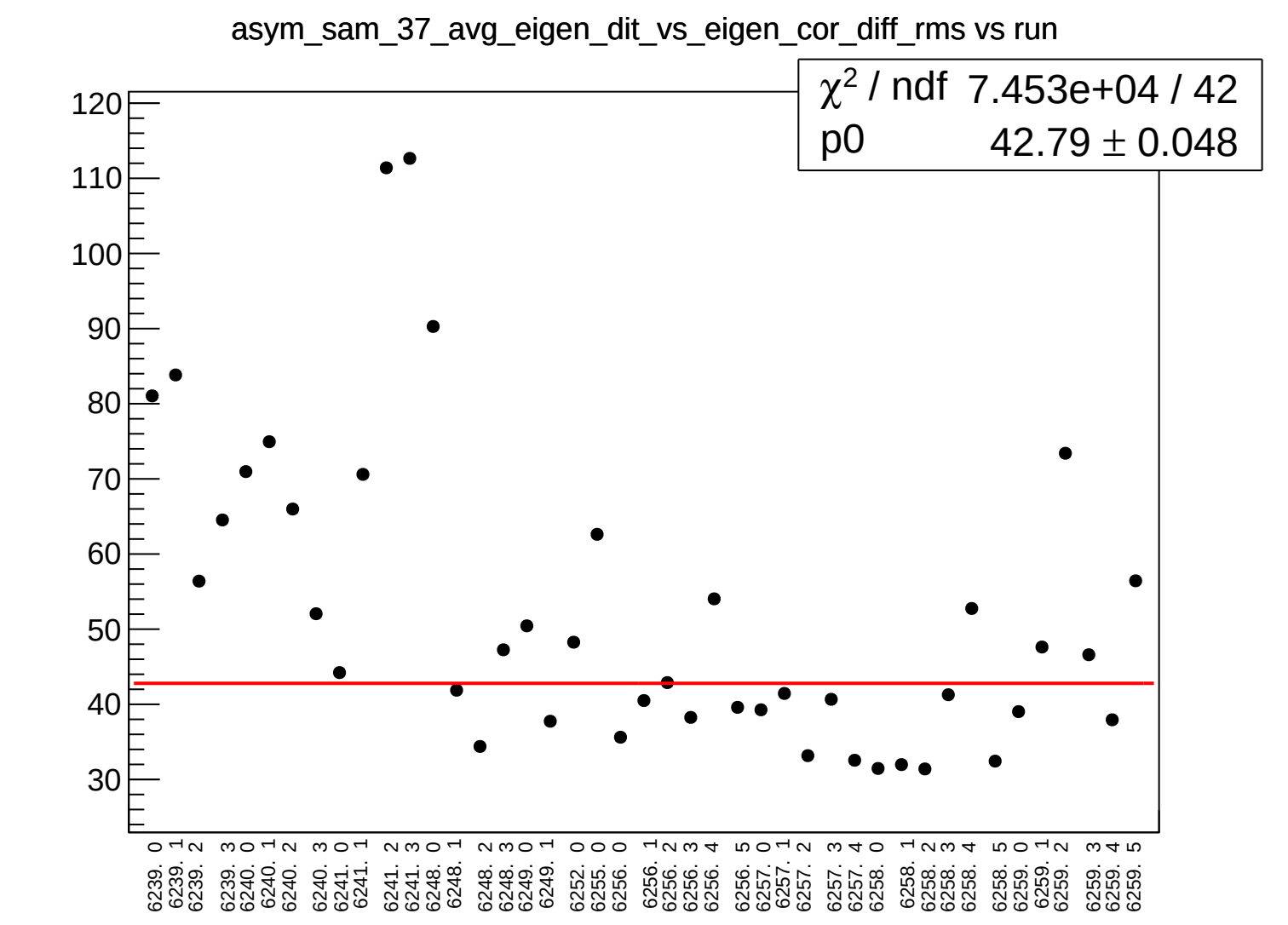

pull1D
Entries 43
Mean 0.01323
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

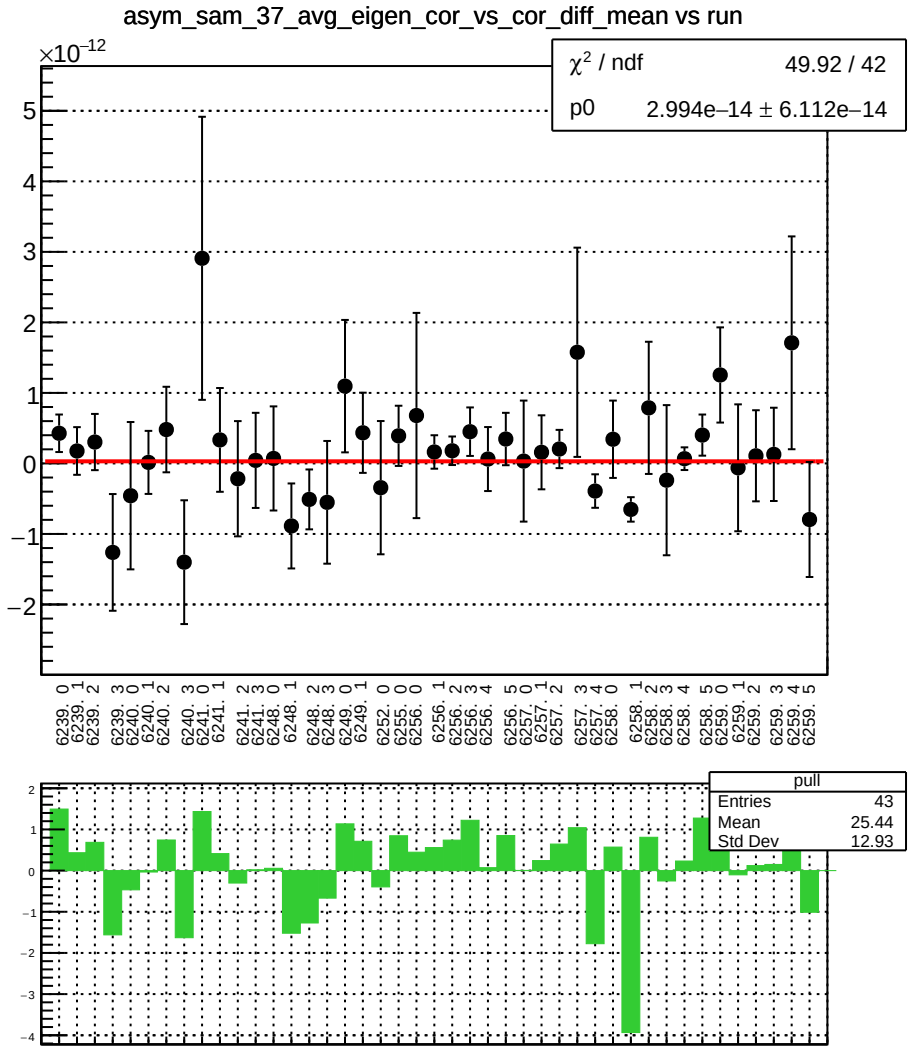

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.931e+04 / 42
p0 0.001396 ± 1.551e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

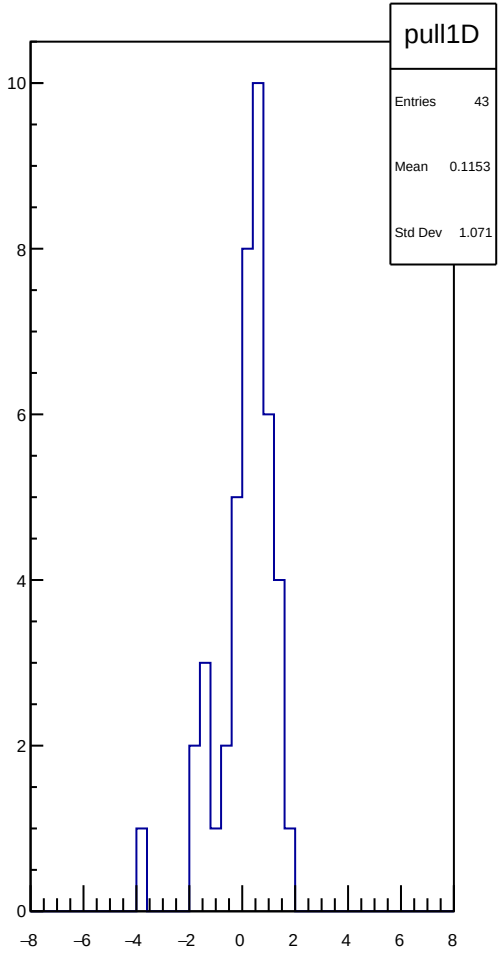

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.41 / 42
p0 0.0243 ± 0.06788
pull
Entries 43
Mean 59.28
Std Dev 0
pull1D
Entries 43
Mean 0.05368
Std Dev 1.092

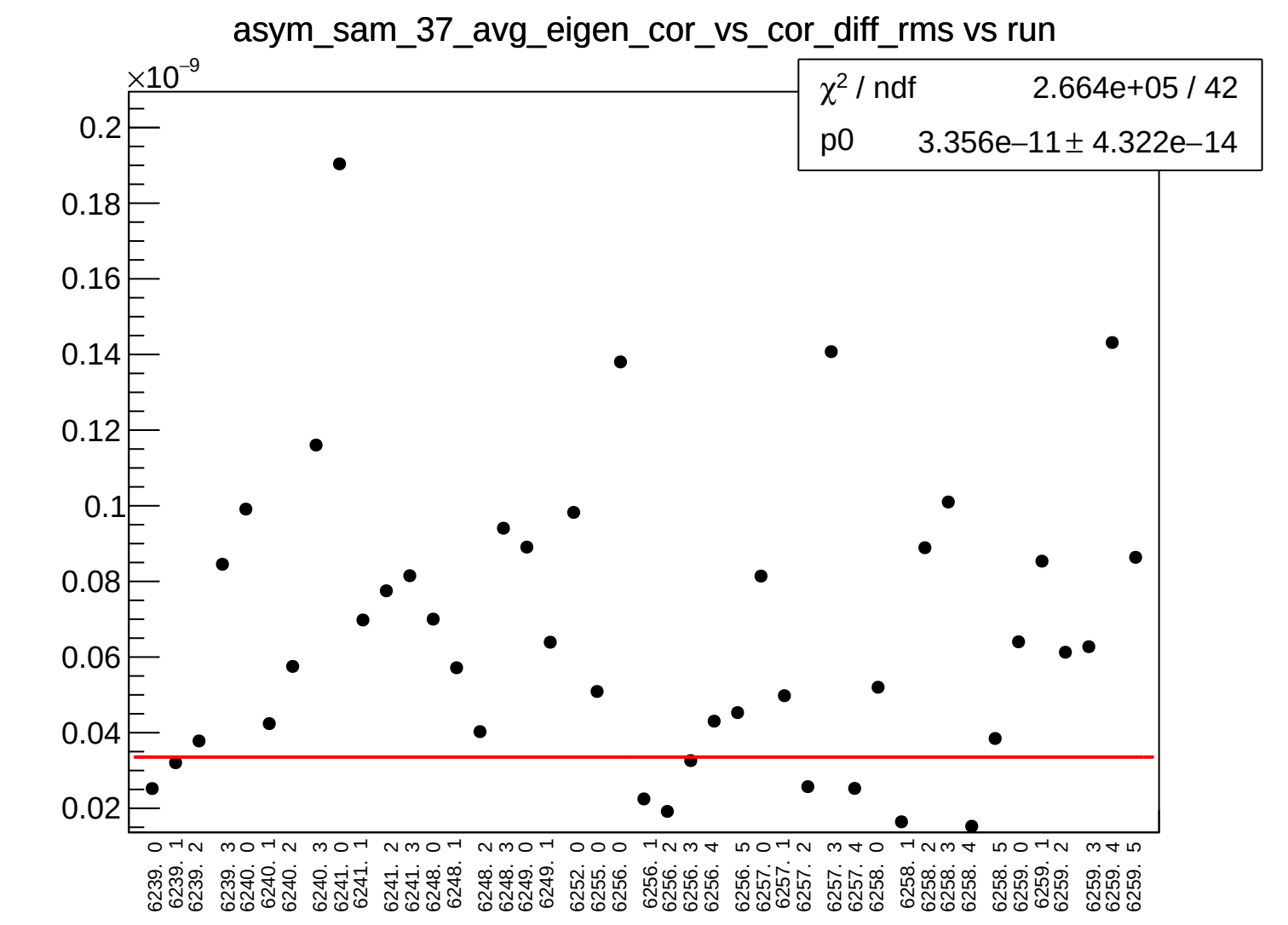

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.453e+04 / 42
p0 42.79 ± 0.048
120
110
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

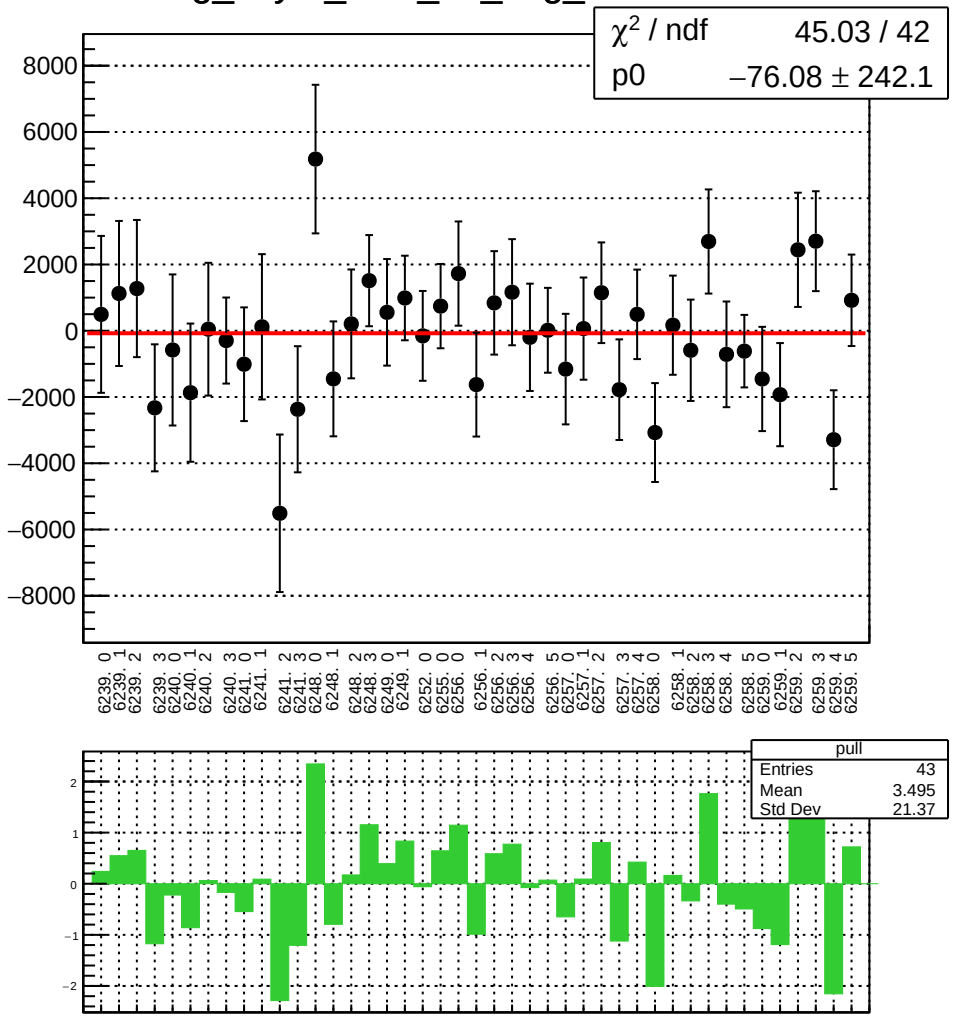

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.41 / 42
p0 0.0243 ± 0.06788
pull
Entries 43
Mean 59.28
Std Dev 0
pull1D
Entries 43
Mean 0.05368
Std Dev 1.092

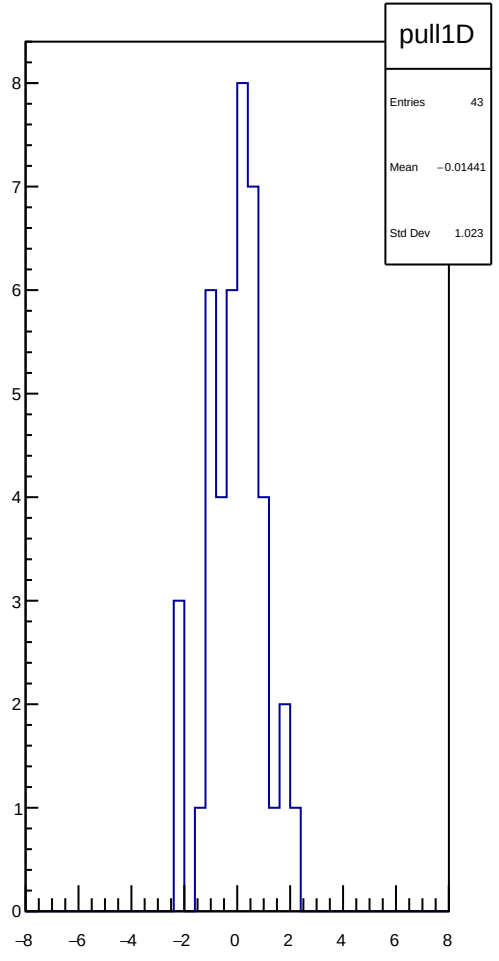

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.453e+04 / 42
p0 42.79 ± 0.048
120
110
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

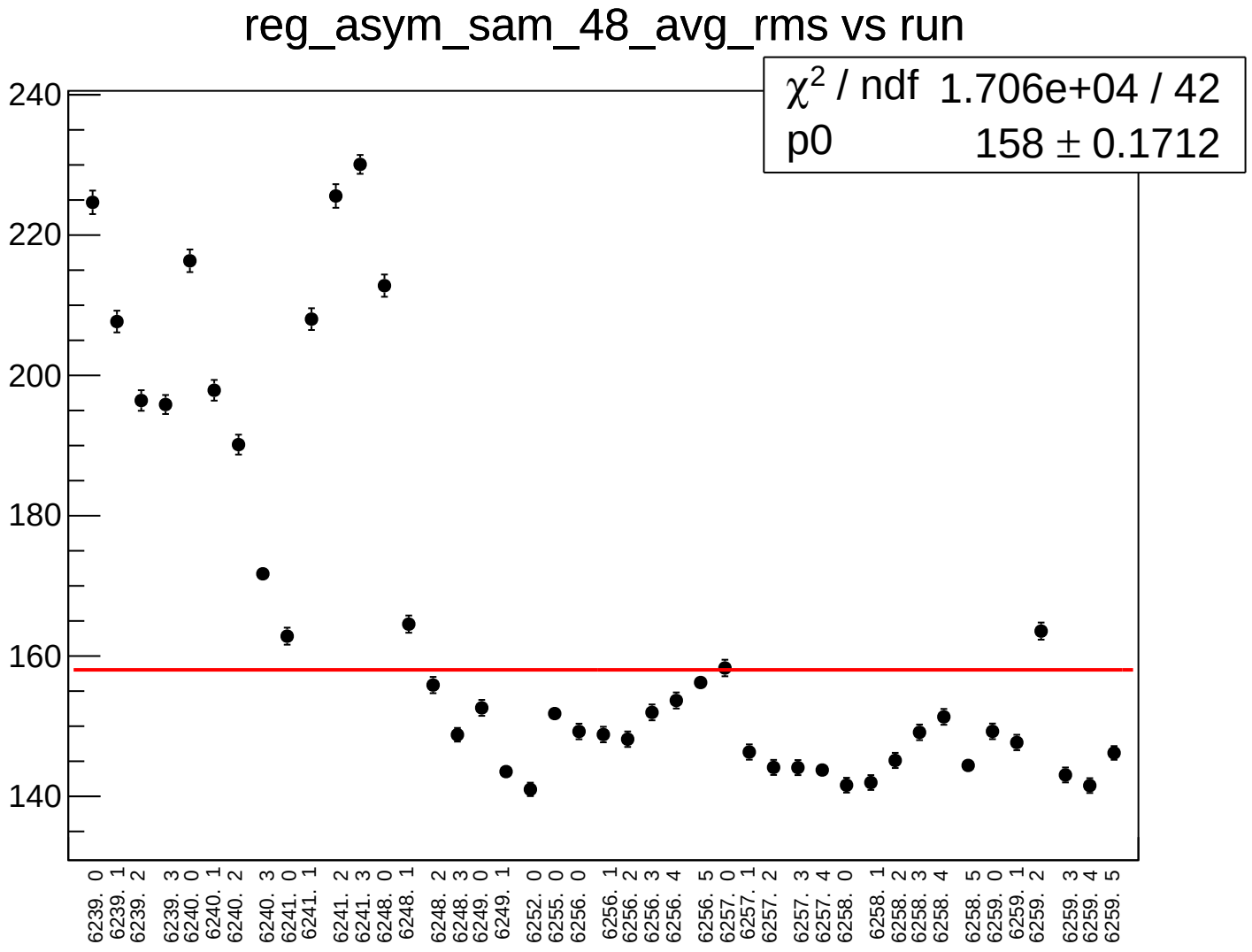

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.92 / 42
p0 2.994e−14 ± 6.112e−14
pull
Entries 43
Mean 25.44
Std Dev 12.93

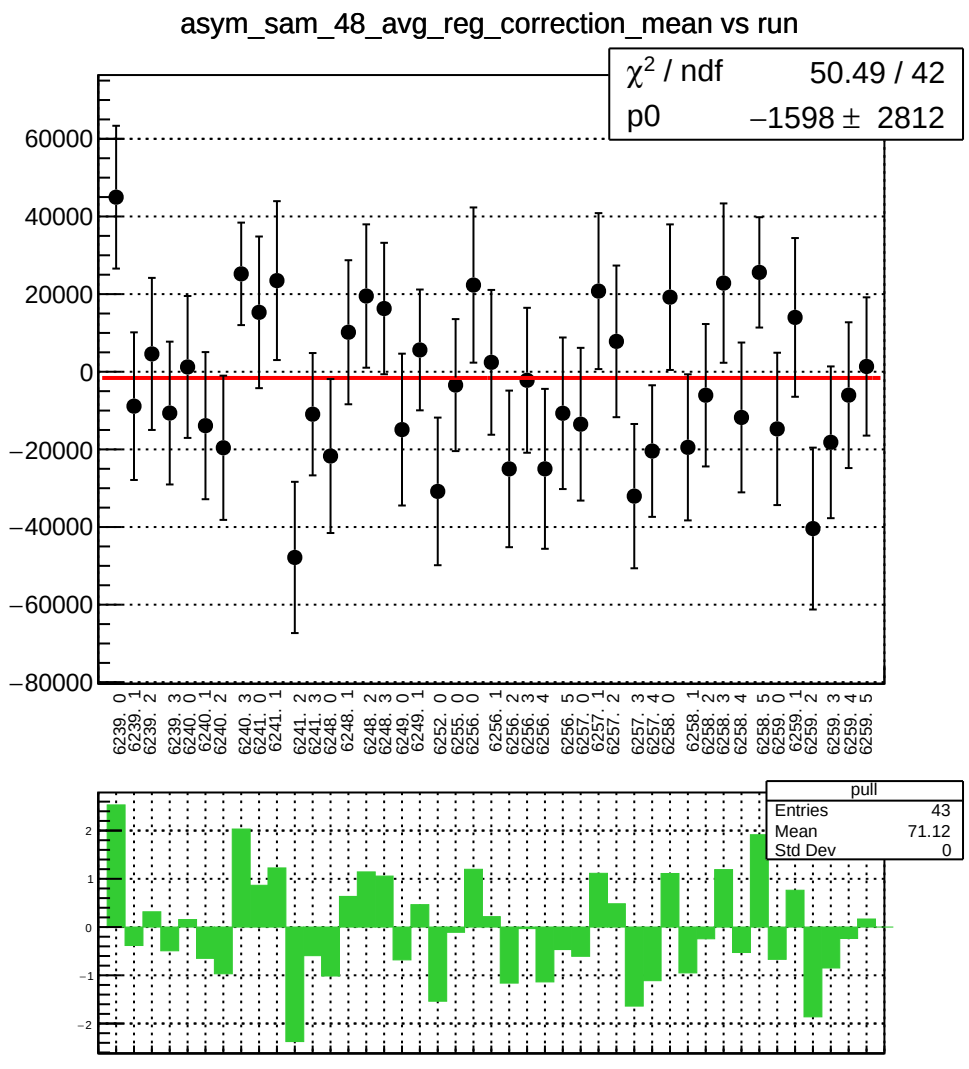

pull1D
Entries 43
Mean 0.1153
Std Dev 1.071

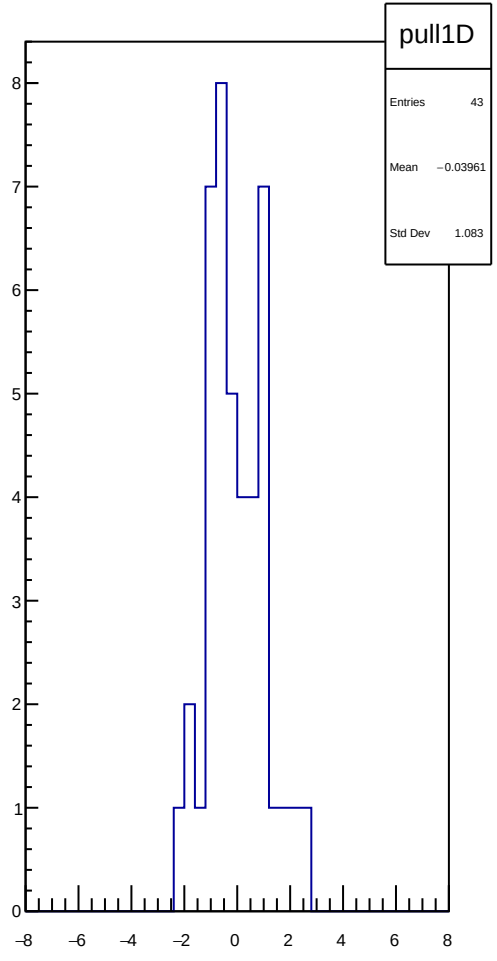

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.664e+05 / 42
p0 3.356e−11 ± 4.322e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

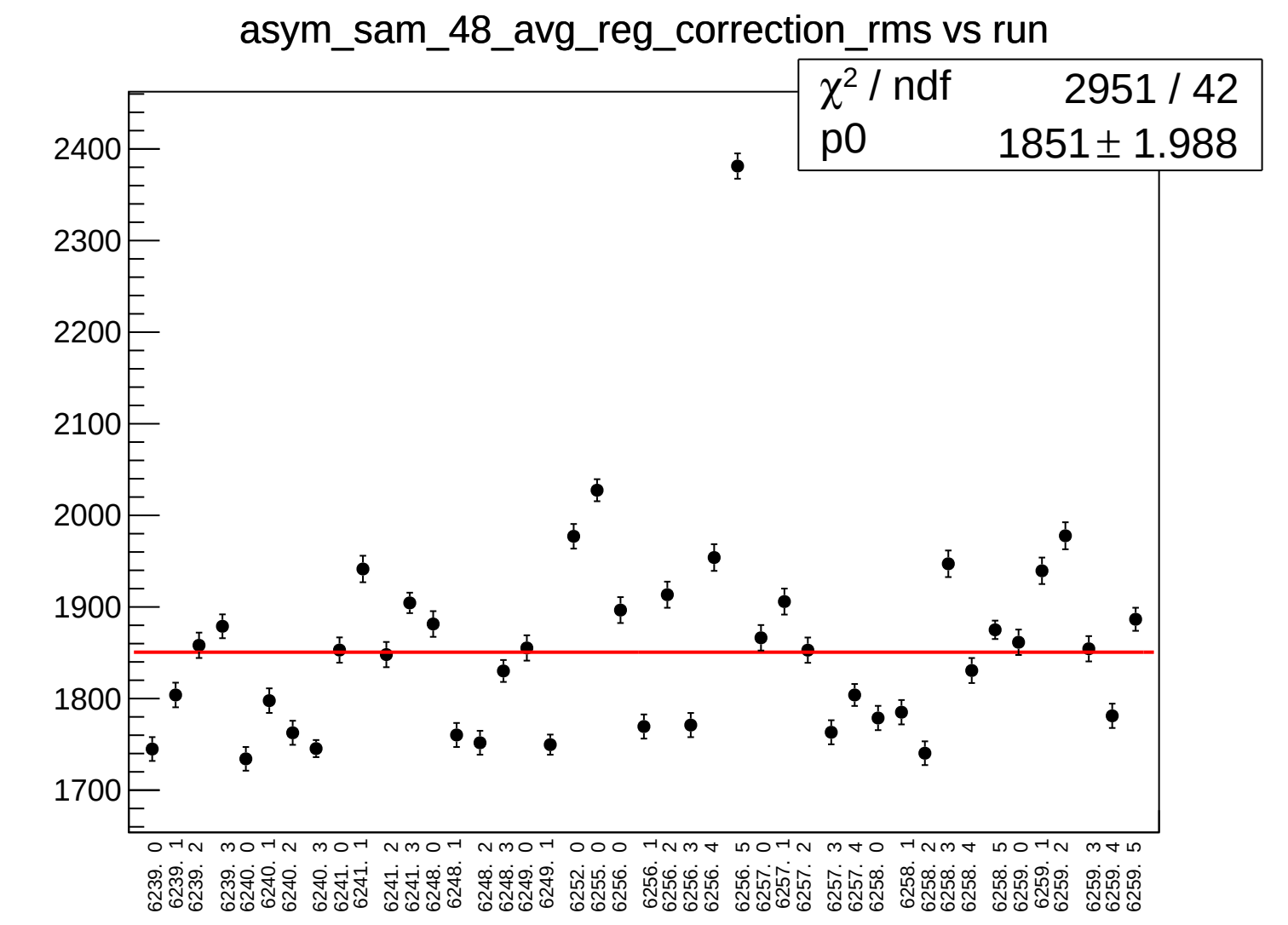

reg_asym_sam_48_avg_mean vs run
χ² / ndf 45.03 / 42
p0 −76.08 ± 242.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.495
Std Dev 21.37
2
1
0
−1
−2

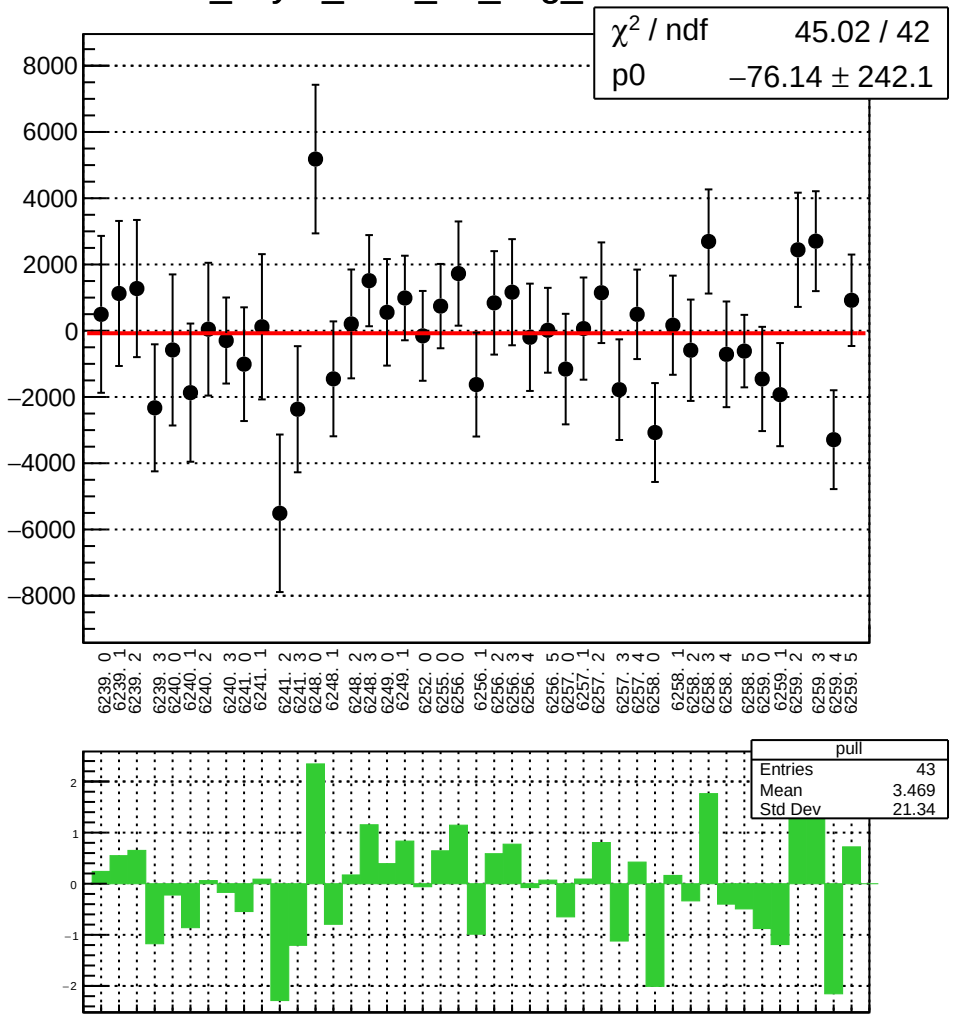

pull1D
Entries 43
Mean −0.01441
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

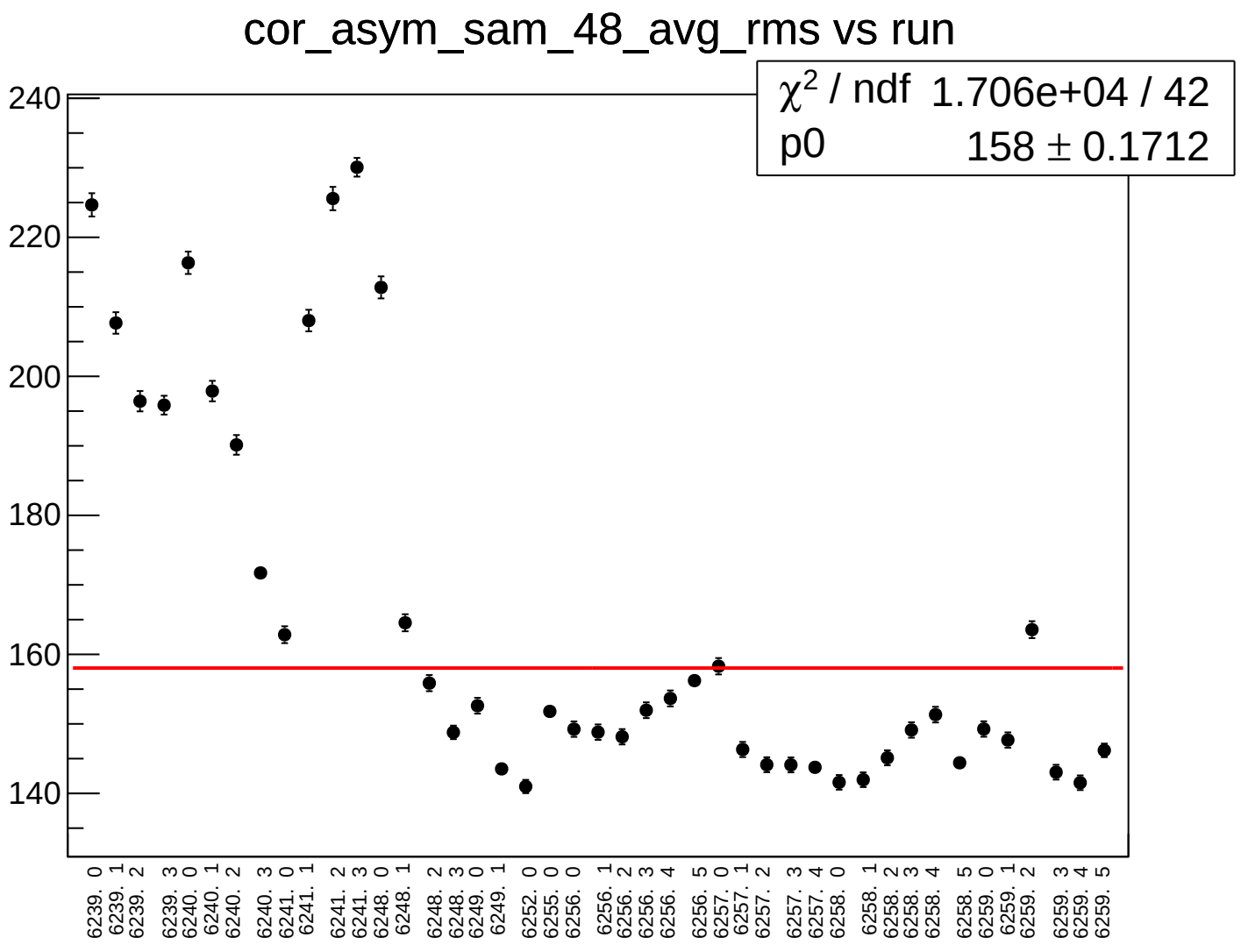

reg_asym_sam_48_avg_rms vs run
χ² / ndf 1.706e+04 / 42
p0 158 ± 0.1712
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

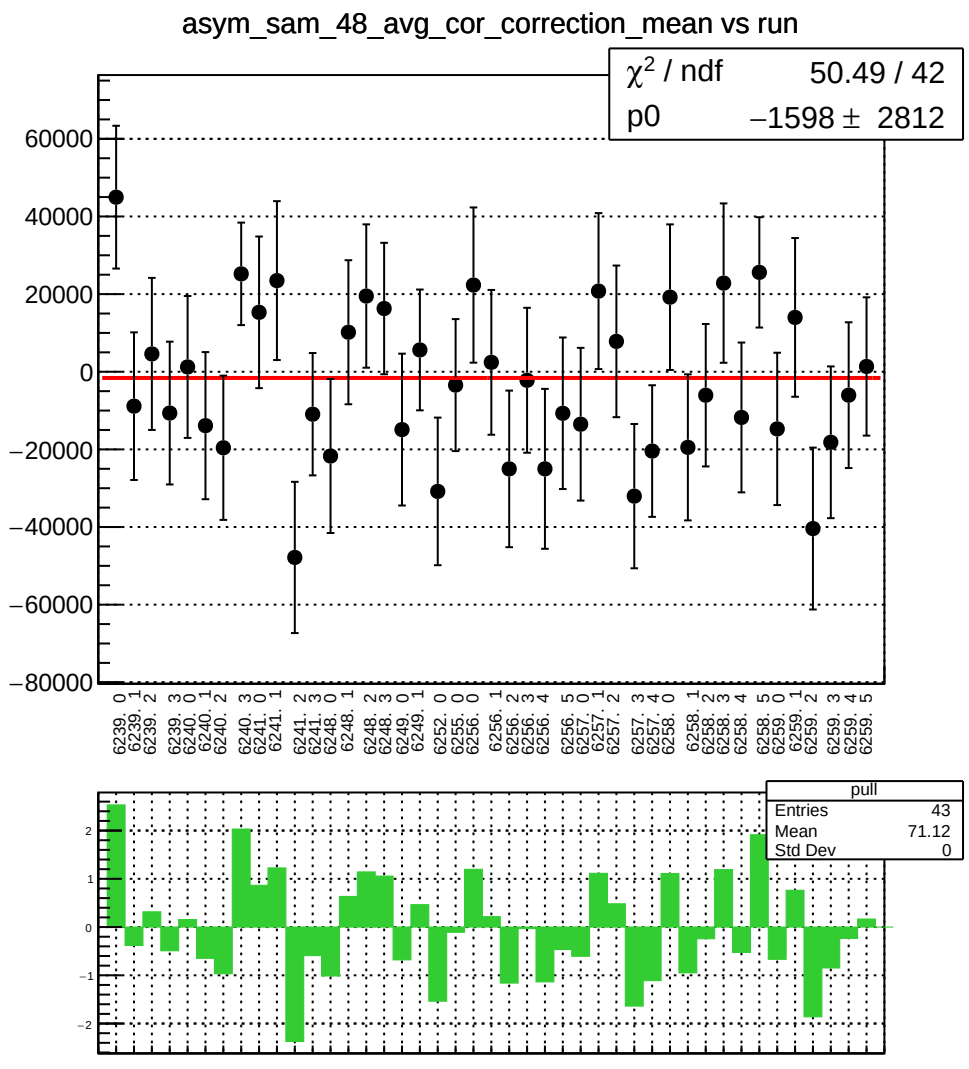

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 50.49 / 42
p0 −1598 ± 2812
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.12
Std Dev 0
2
1
0
−1
−2

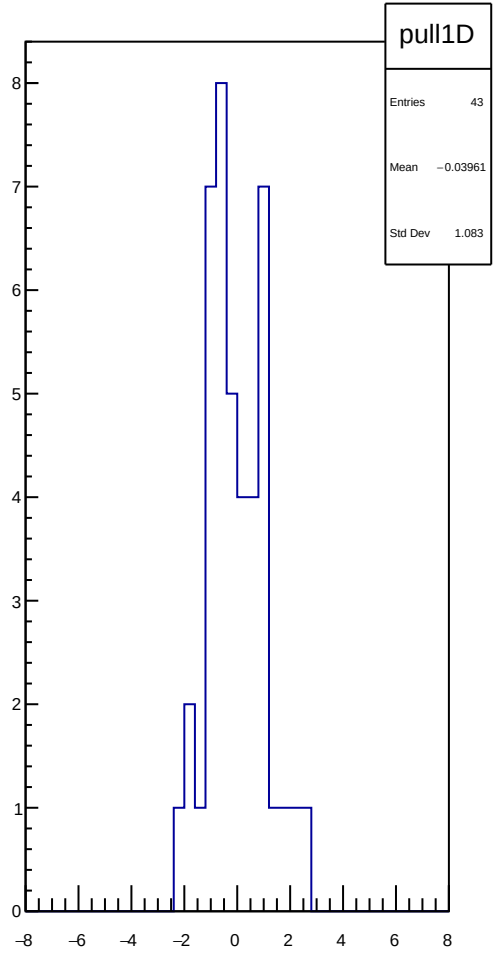

pull1D
Entries 43
Mean −0.03961
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

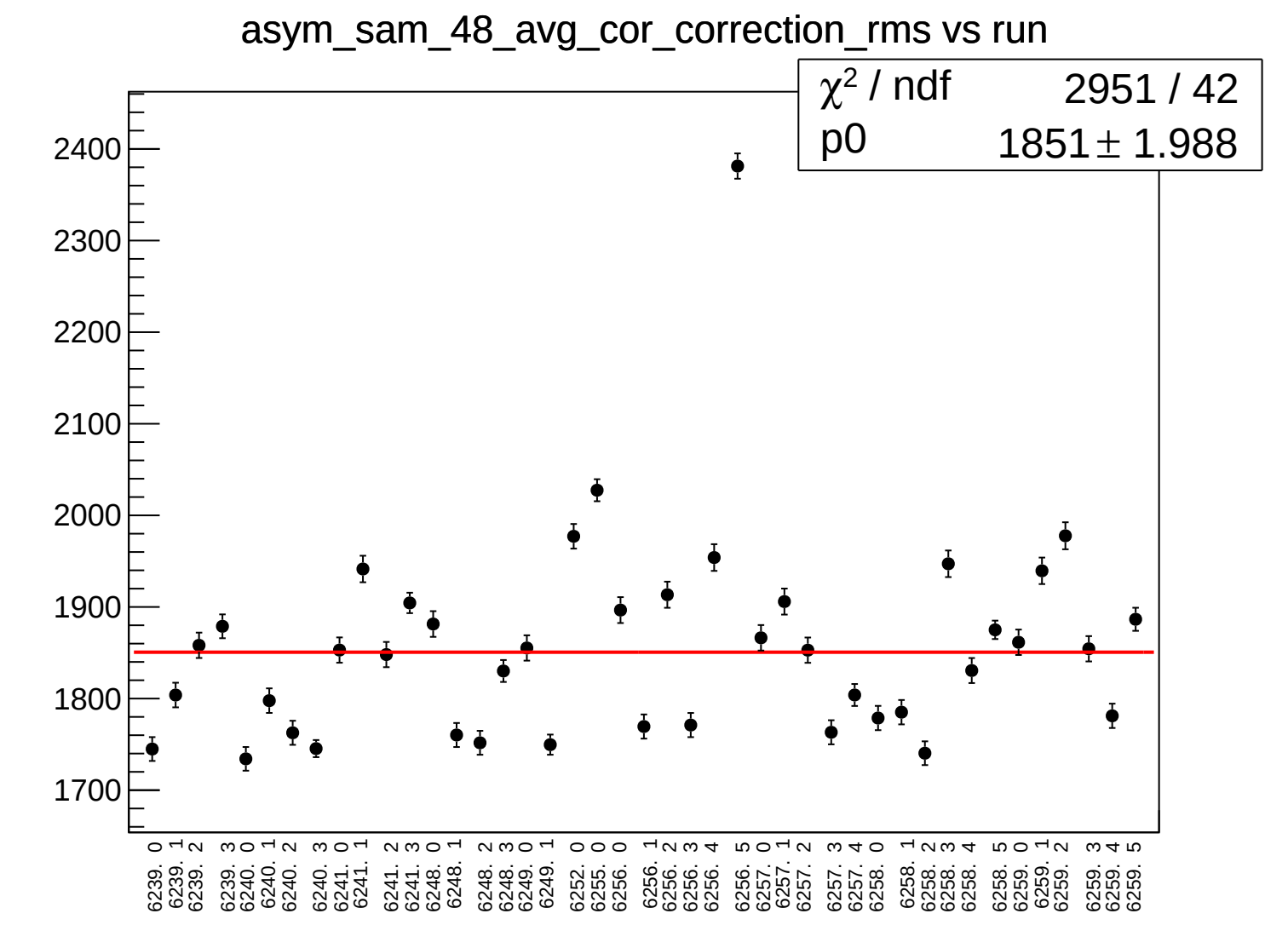

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 2951 / 42
p0 1851 ± 1.988
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

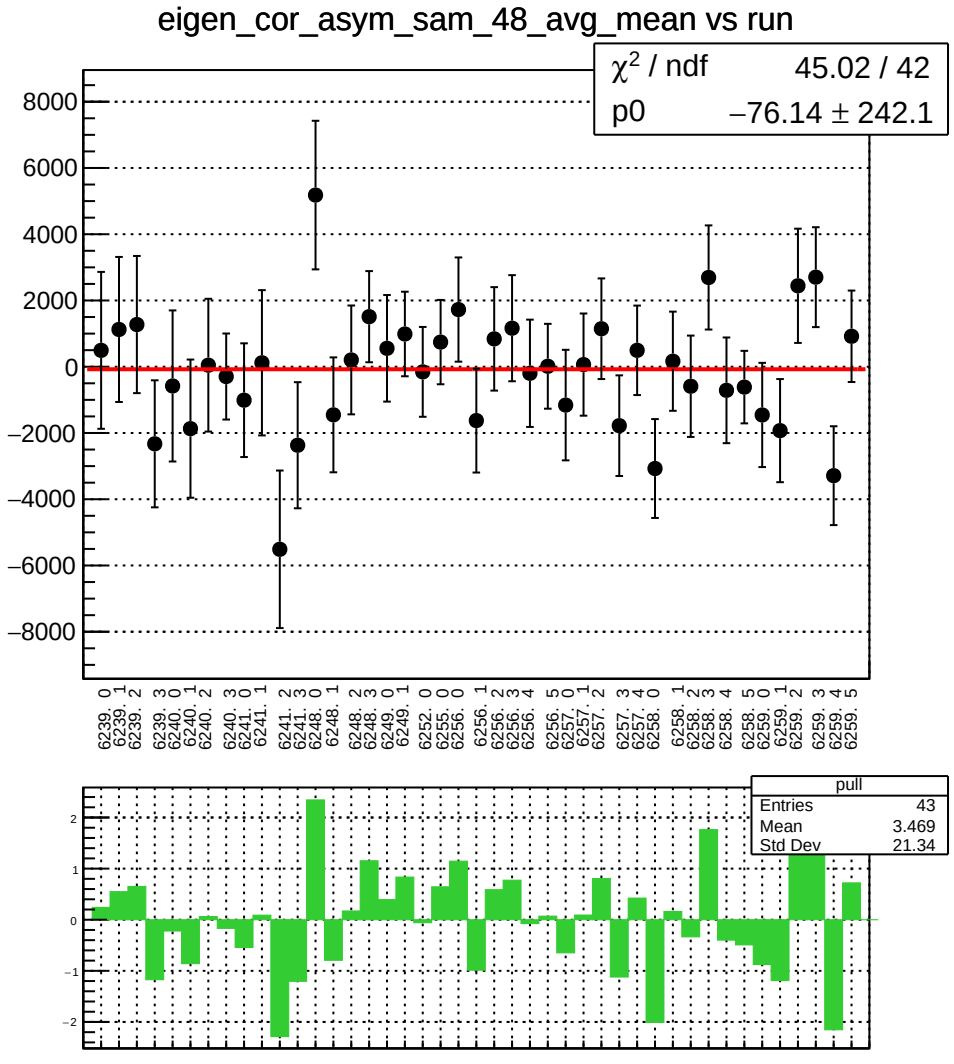

cor_asym_sam_48_avg_mean vs run
χ² / ndf 45.02 / 42
p0 −76.14 ± 242.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.469
Std Dev 21.34
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01441
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

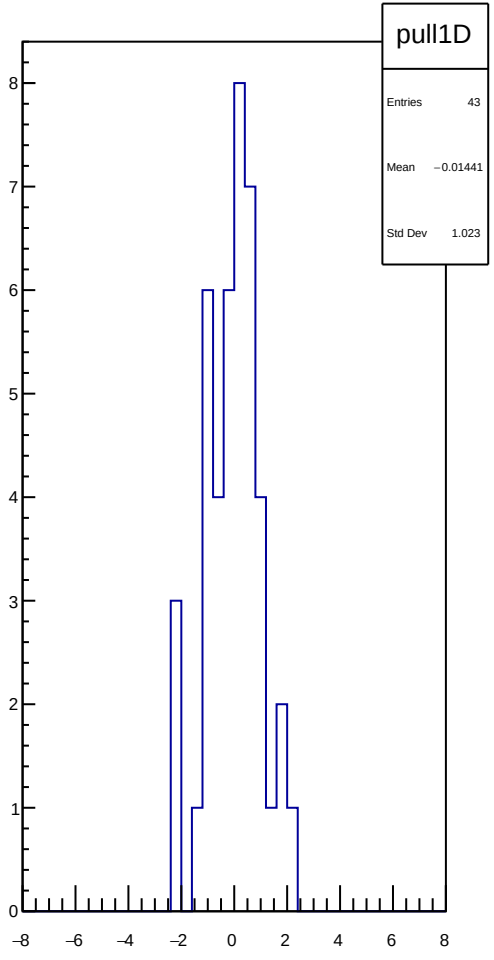

cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.706e+04 / 42
p0 158 ± 0.1712
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

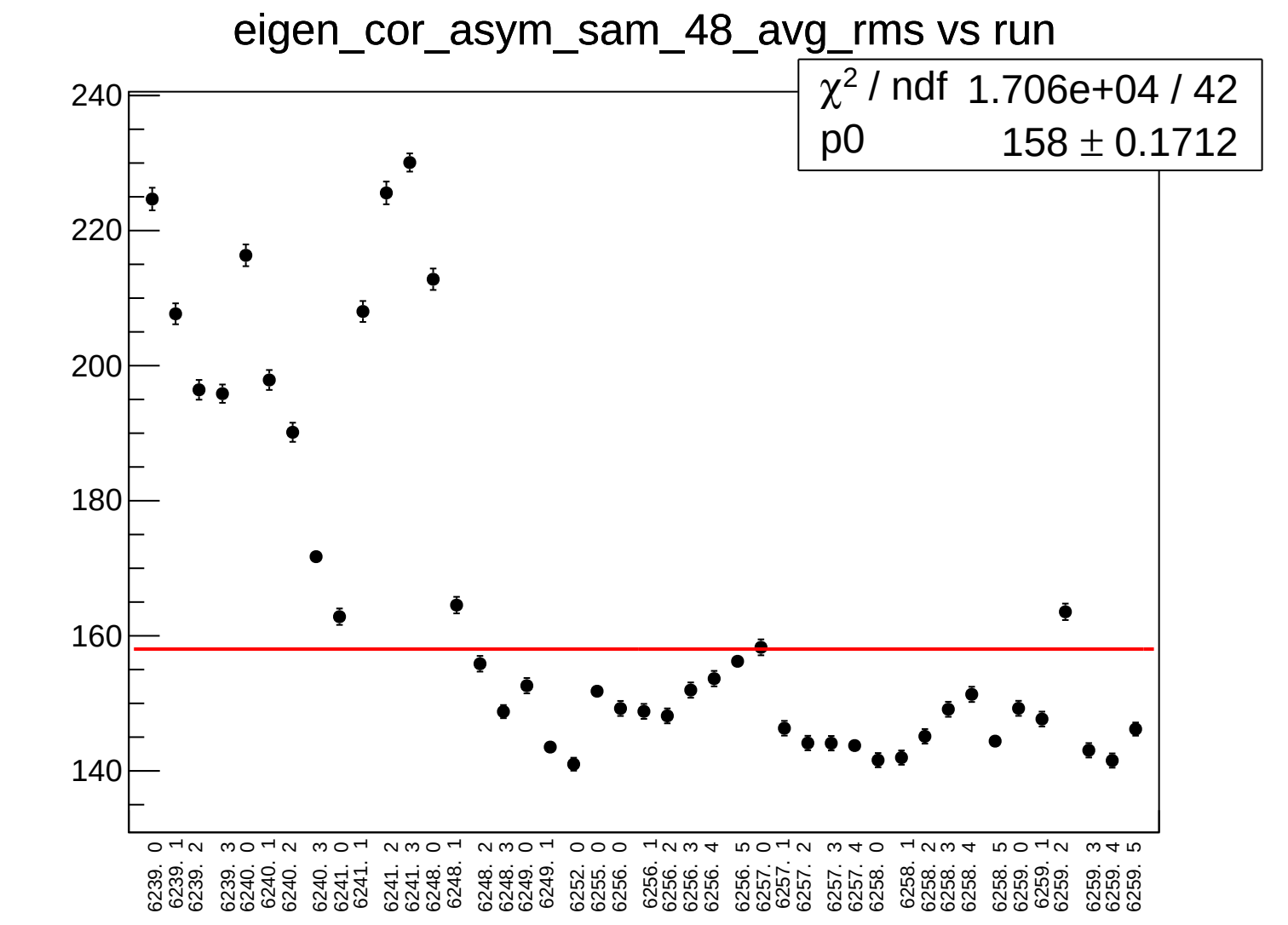

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 50.49 / 42
p0 −1598 ± 2812
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.12
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03961
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 2951 / 42
p0 1851 ± 1.988
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 45.02 / 42
p0 −76.14 ± 242.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 3.469
Std Dev 21.34
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.01441
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.706e+04 / 42
p0 158 ± 0.1712
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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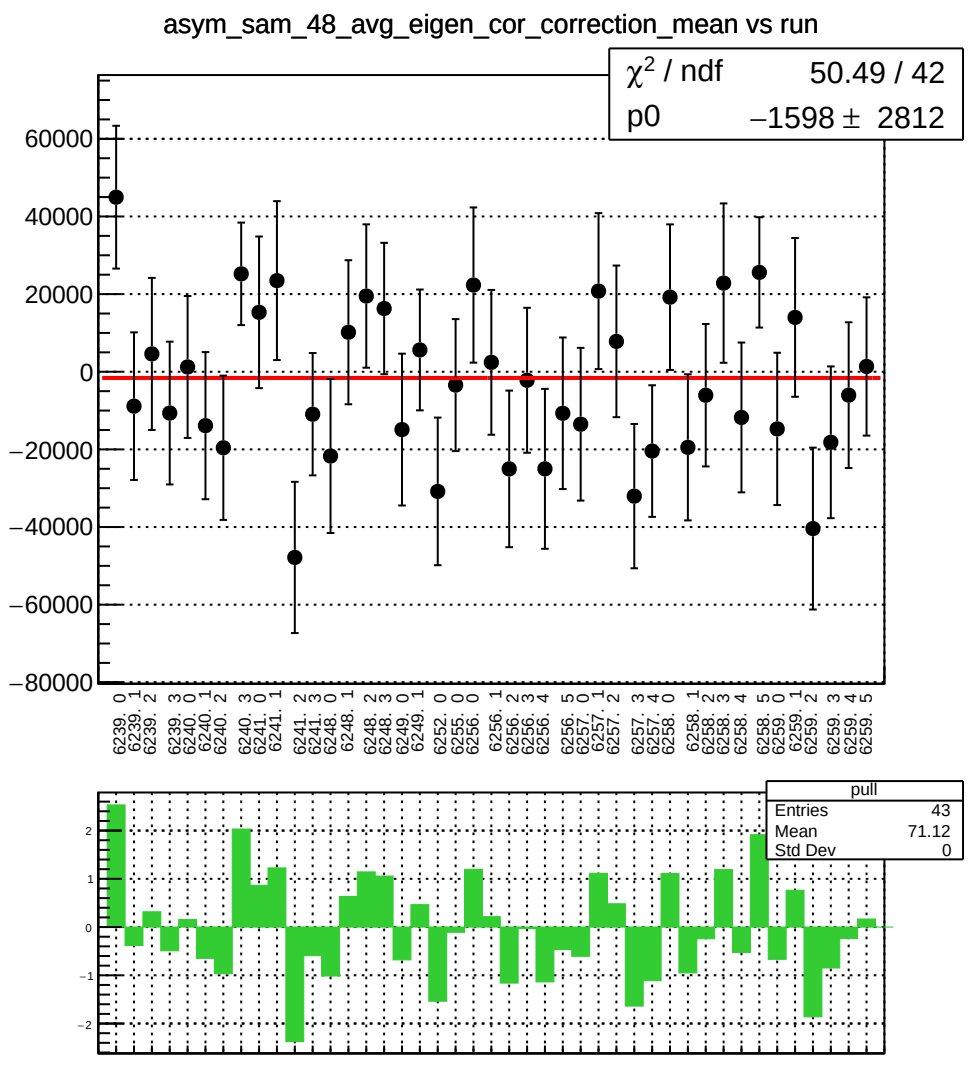
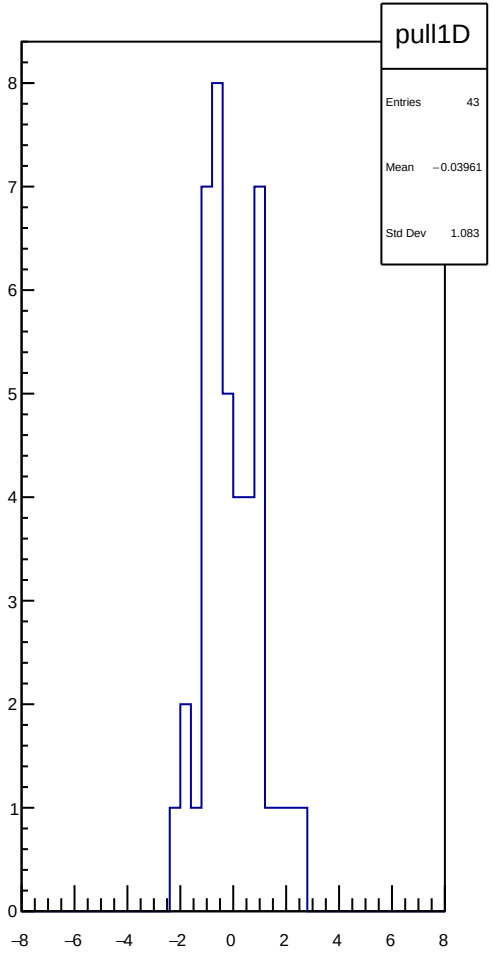
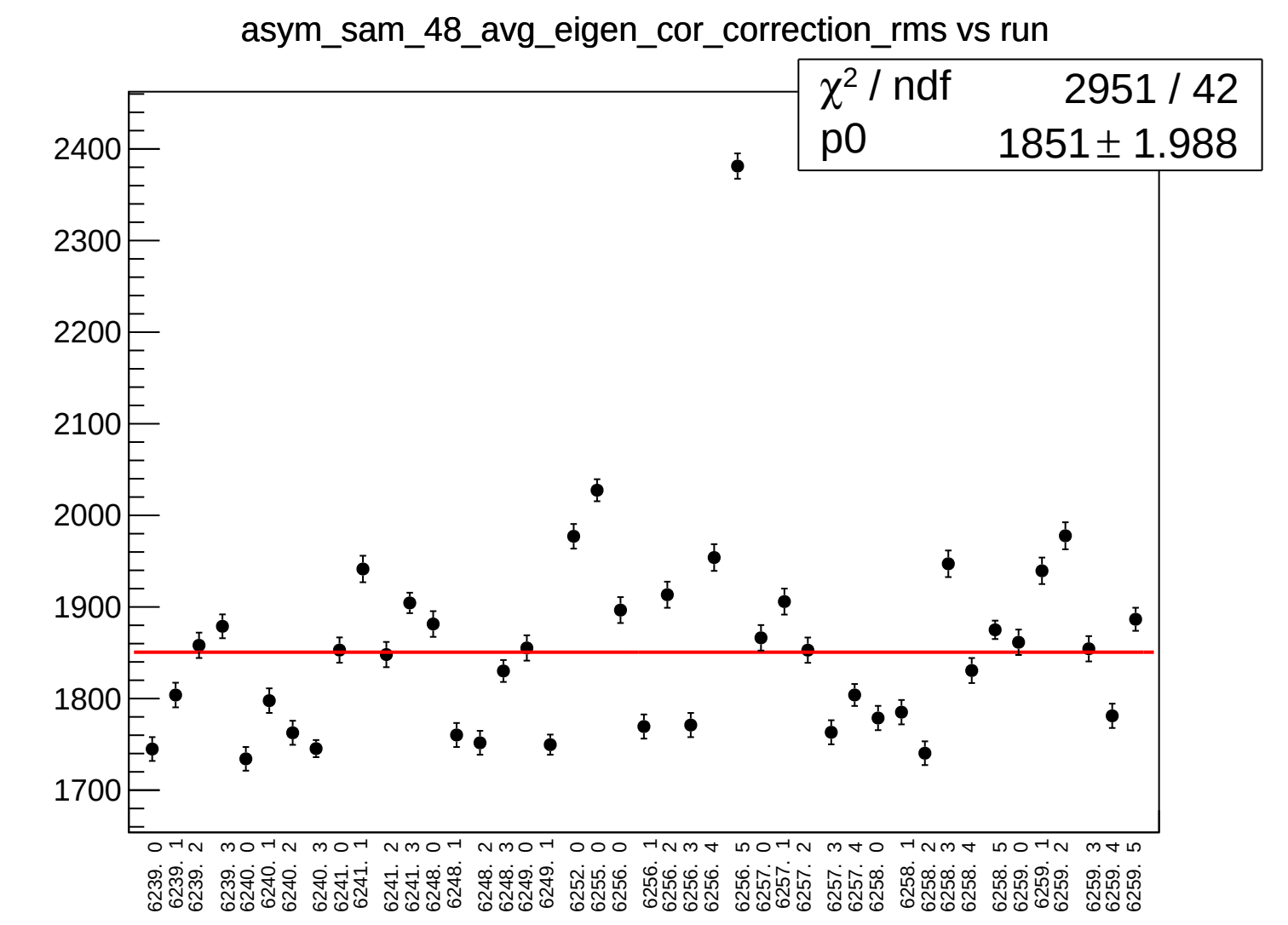
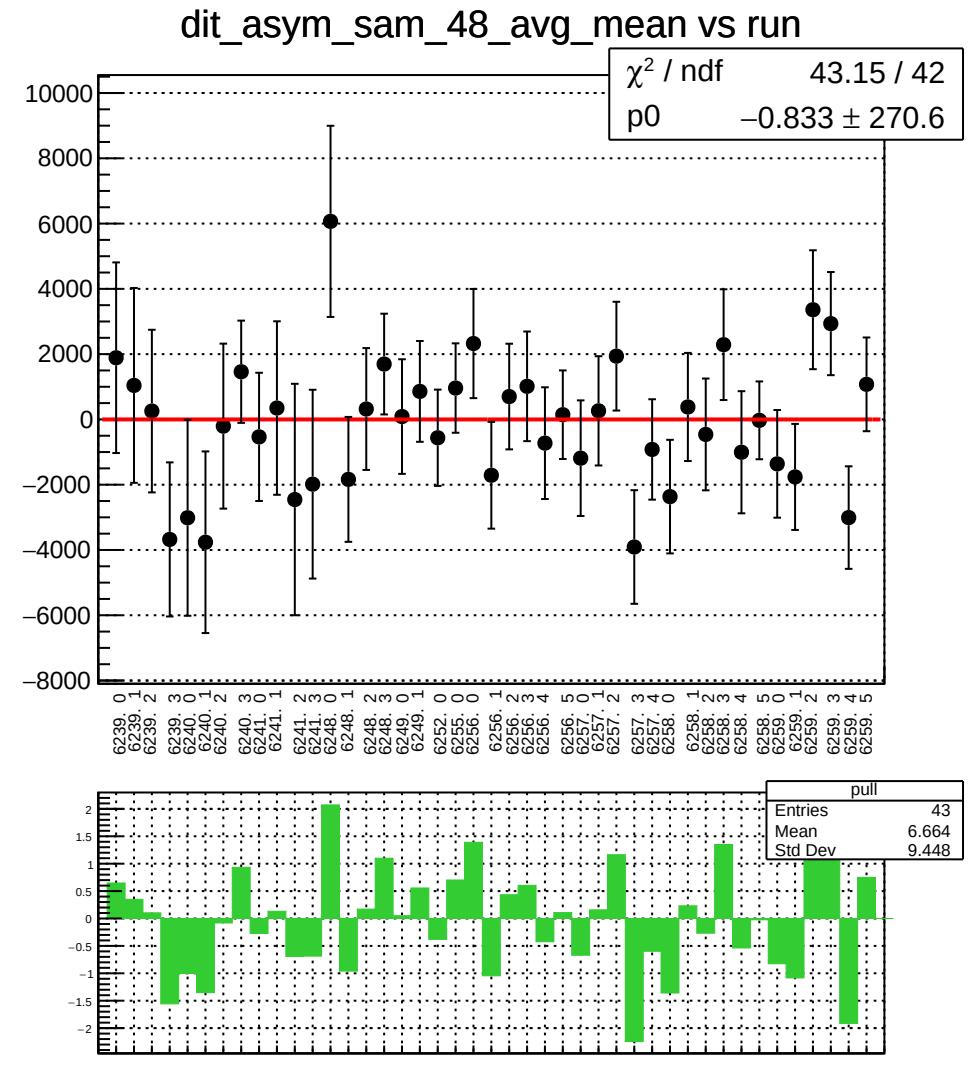
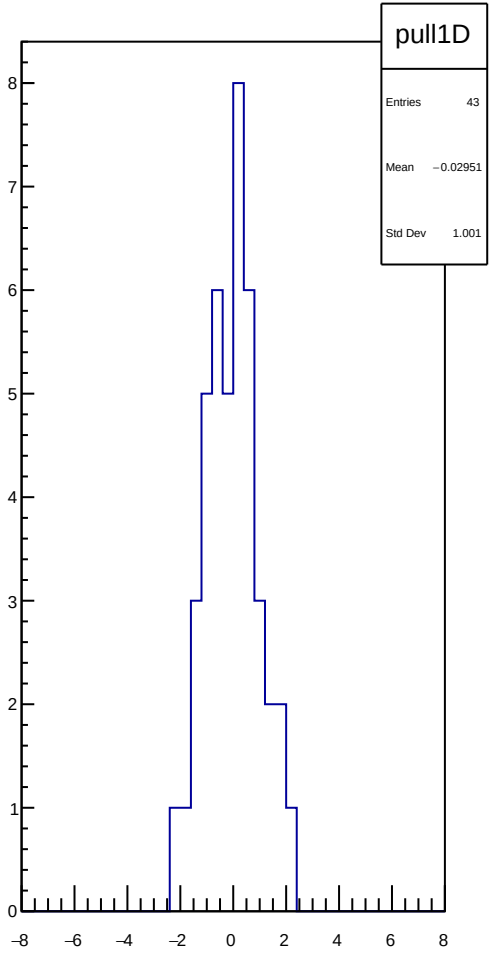
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

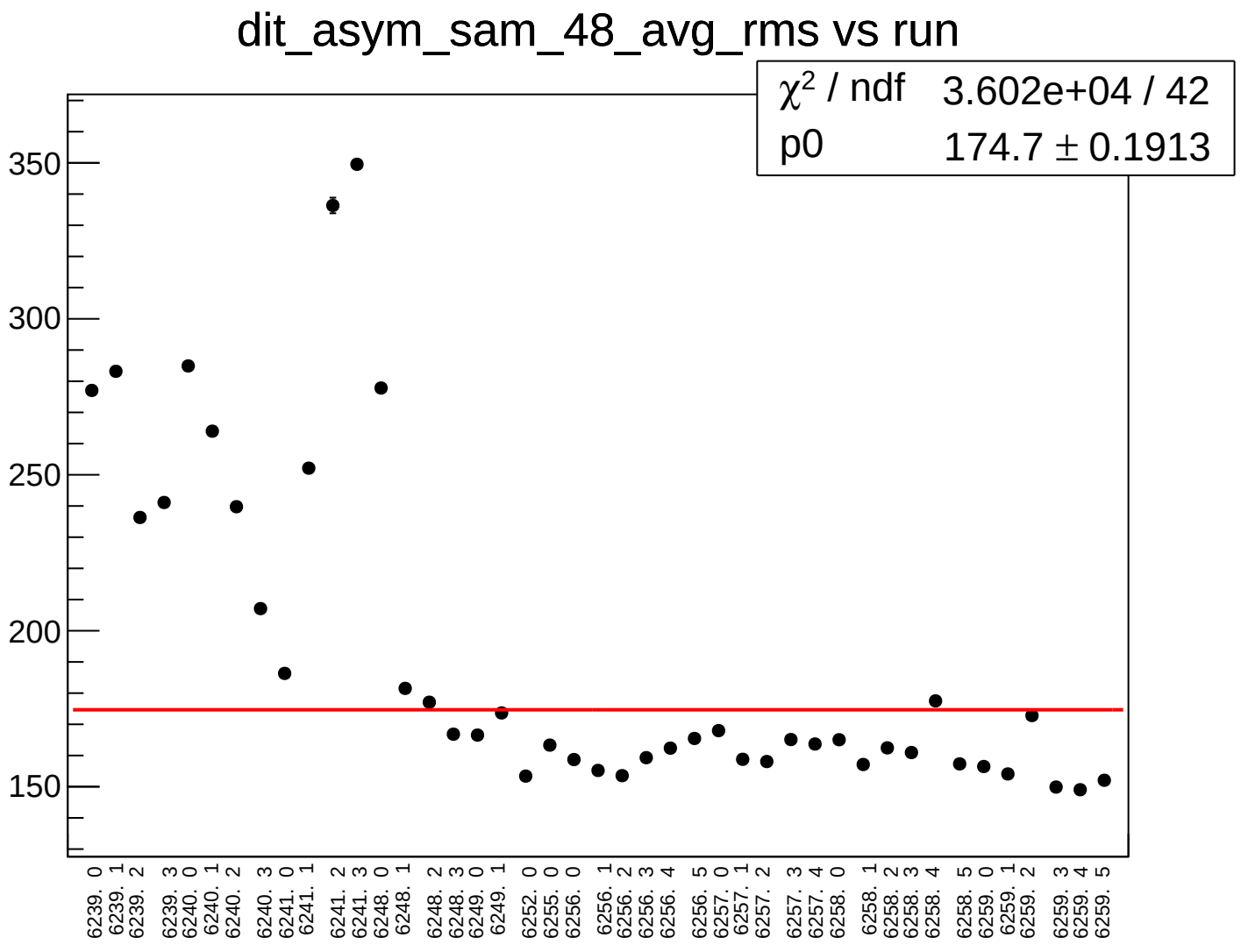

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 50.49 / 42
p0 −1598 ± 2812
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 71.12
Std Dev 0
2
1
0
−1
−2

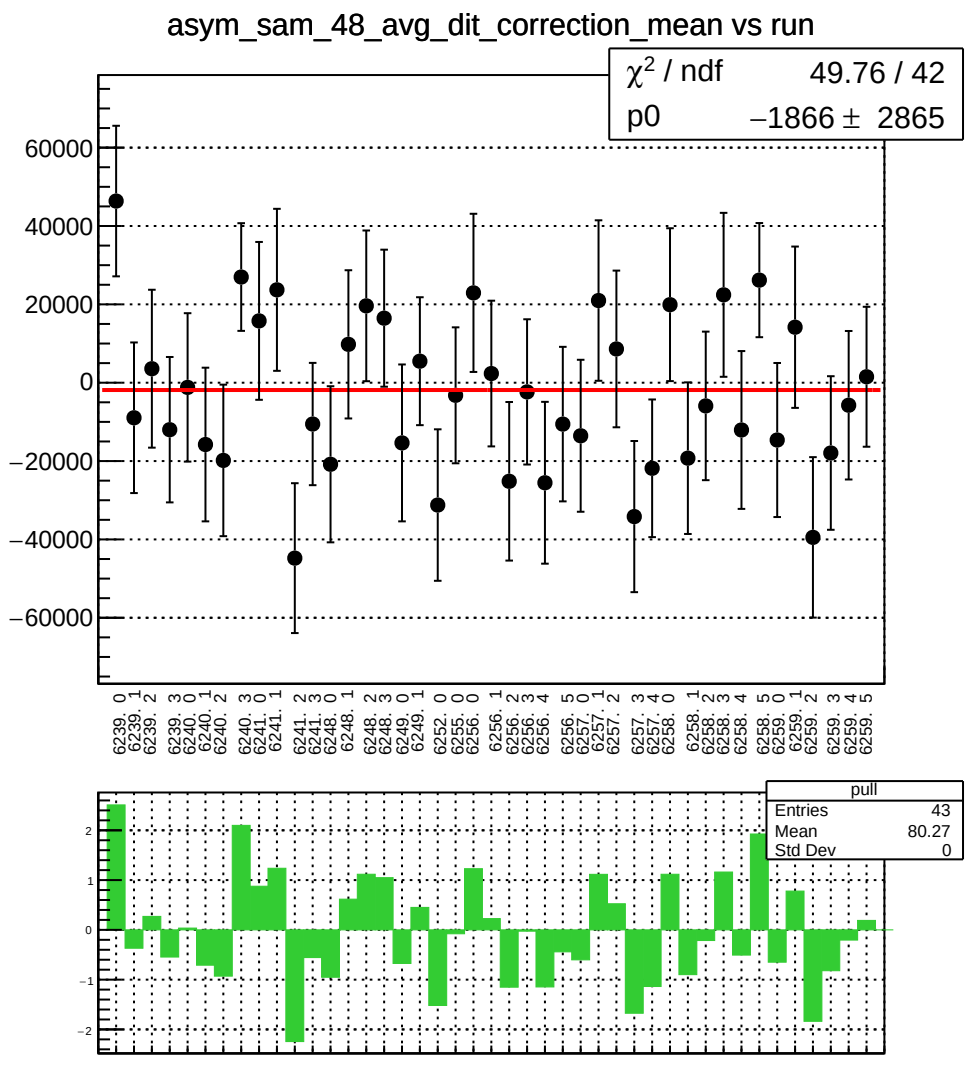

pull1D
Entries 43
Mean −0.03961
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

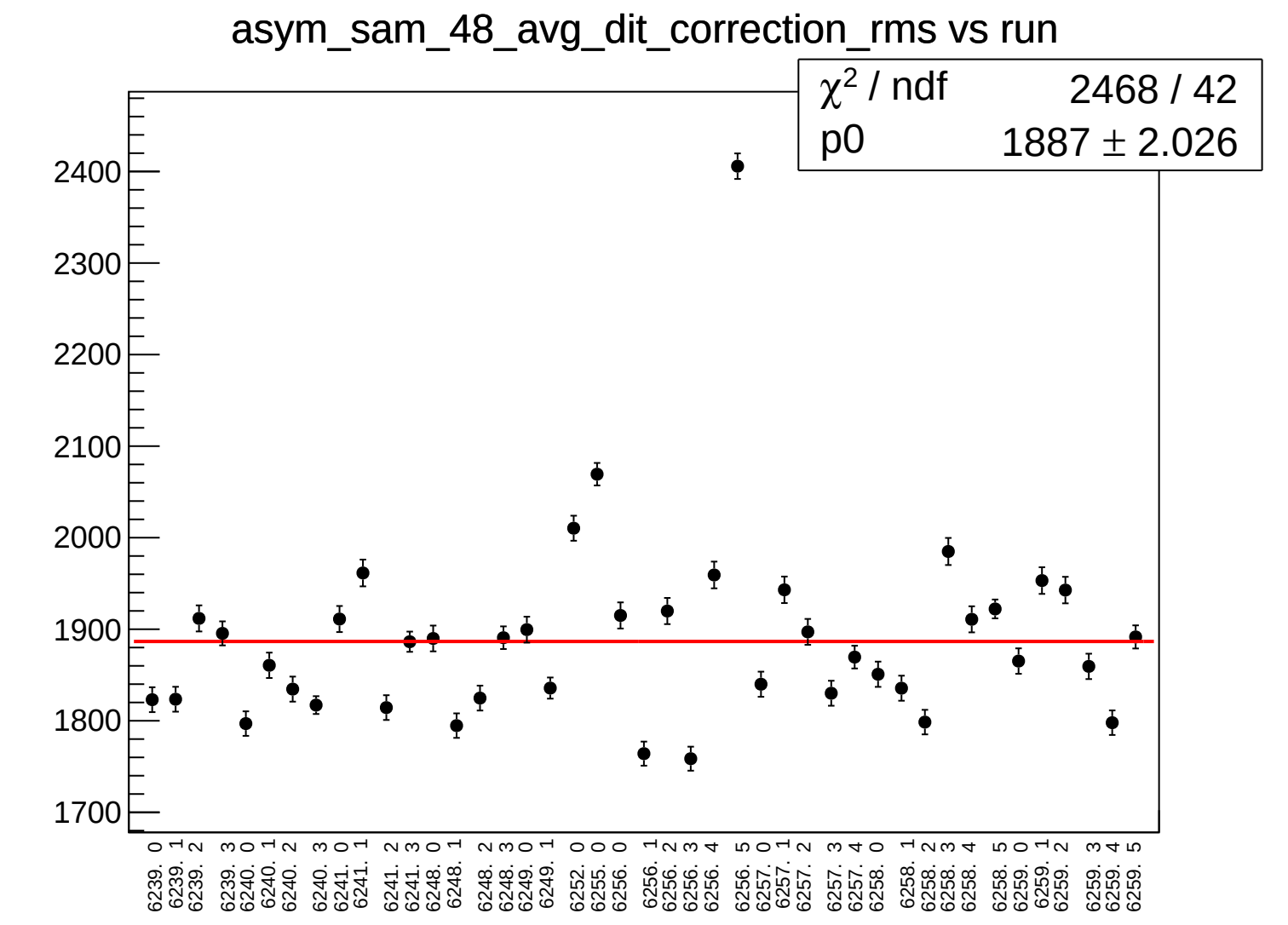

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 2951 / 42
p0 1851 ± 1.988
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

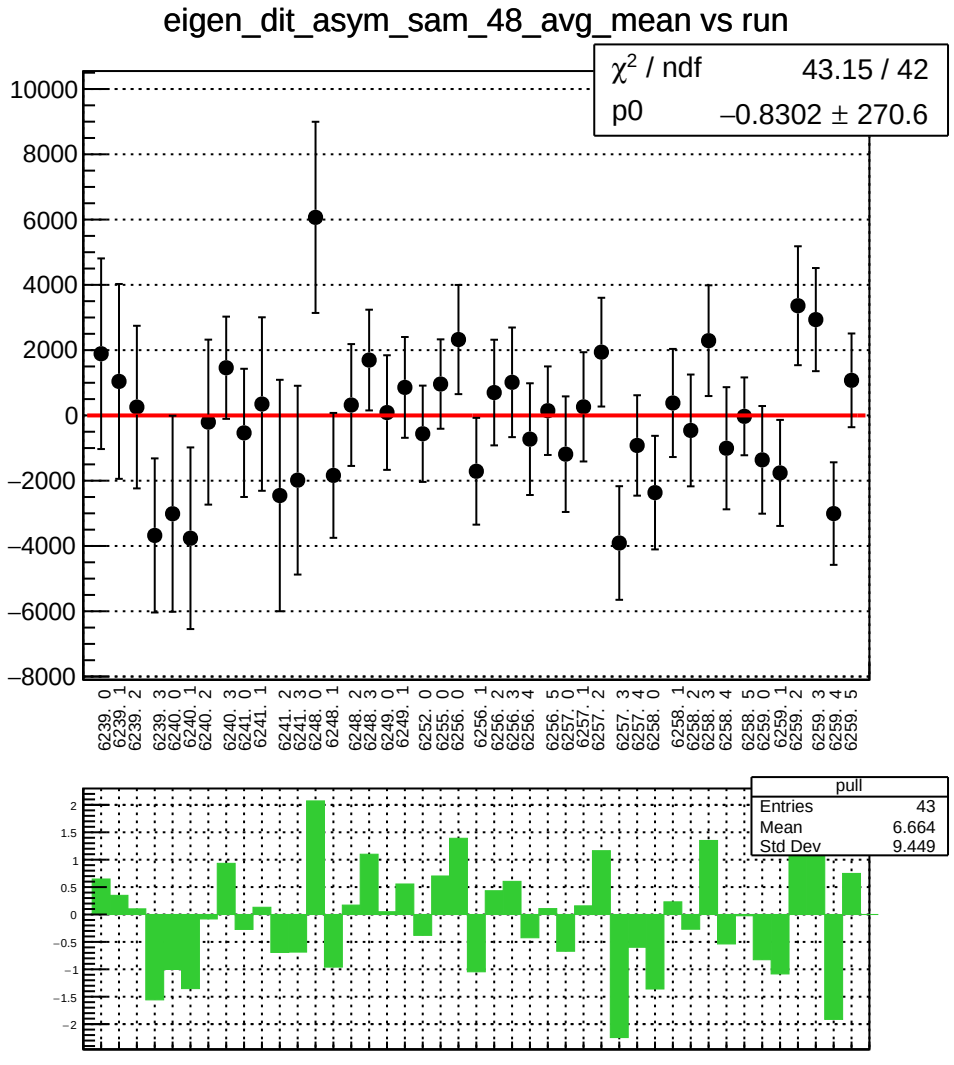

dit_asym_sam_48_avg_mean vs run
χ² / ndf 43.15 / 42
p0 −0.833 ± 270.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 6.664
Std Dev 9.448
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

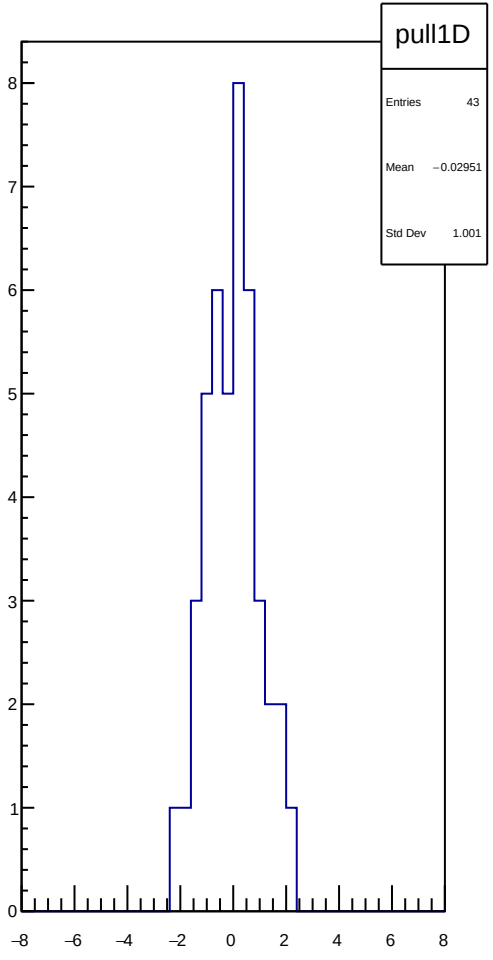

pull1D
Entries 43
Mean −0.02951
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

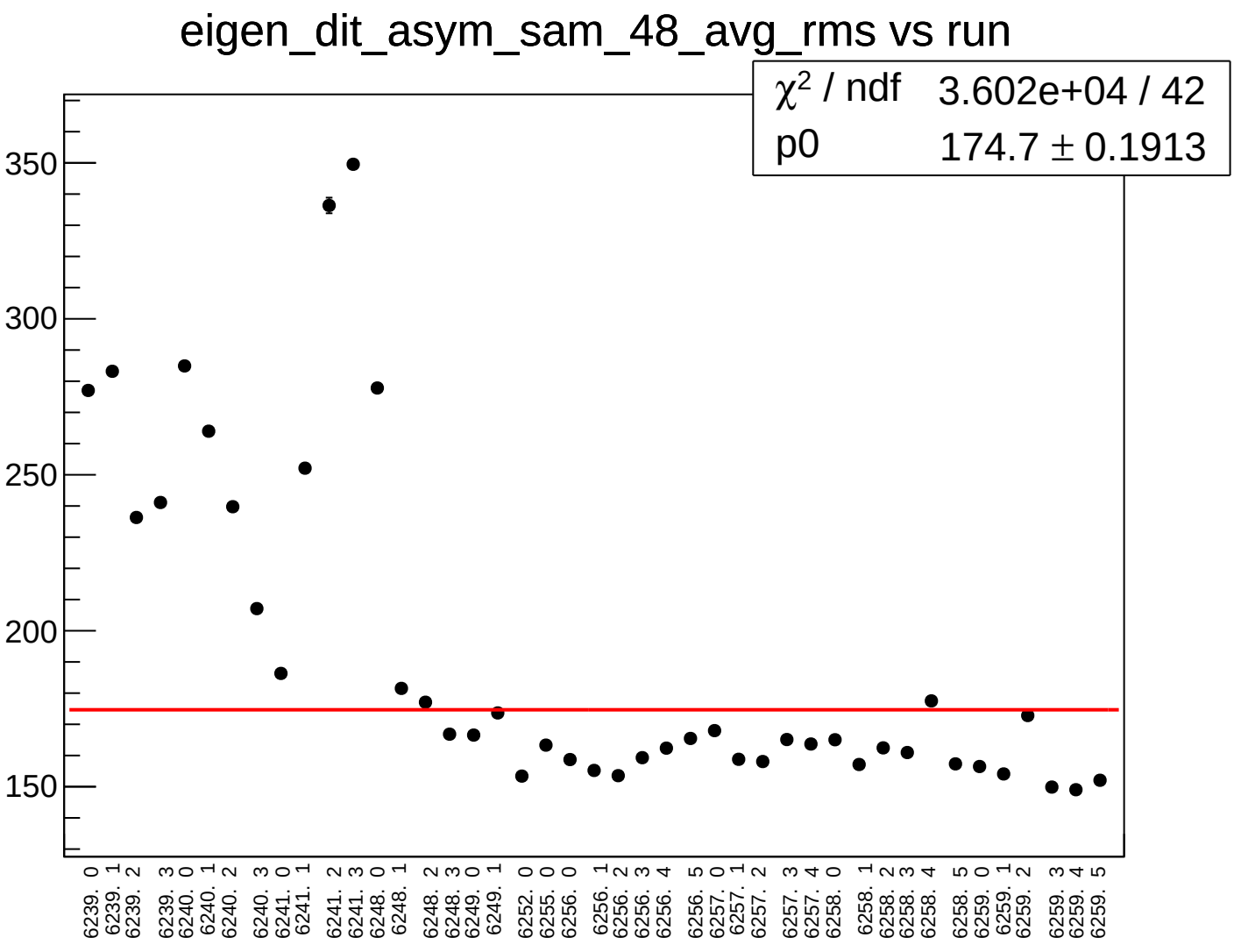

dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.602e+04 / 42
p0 174.7 ± 0.1913
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

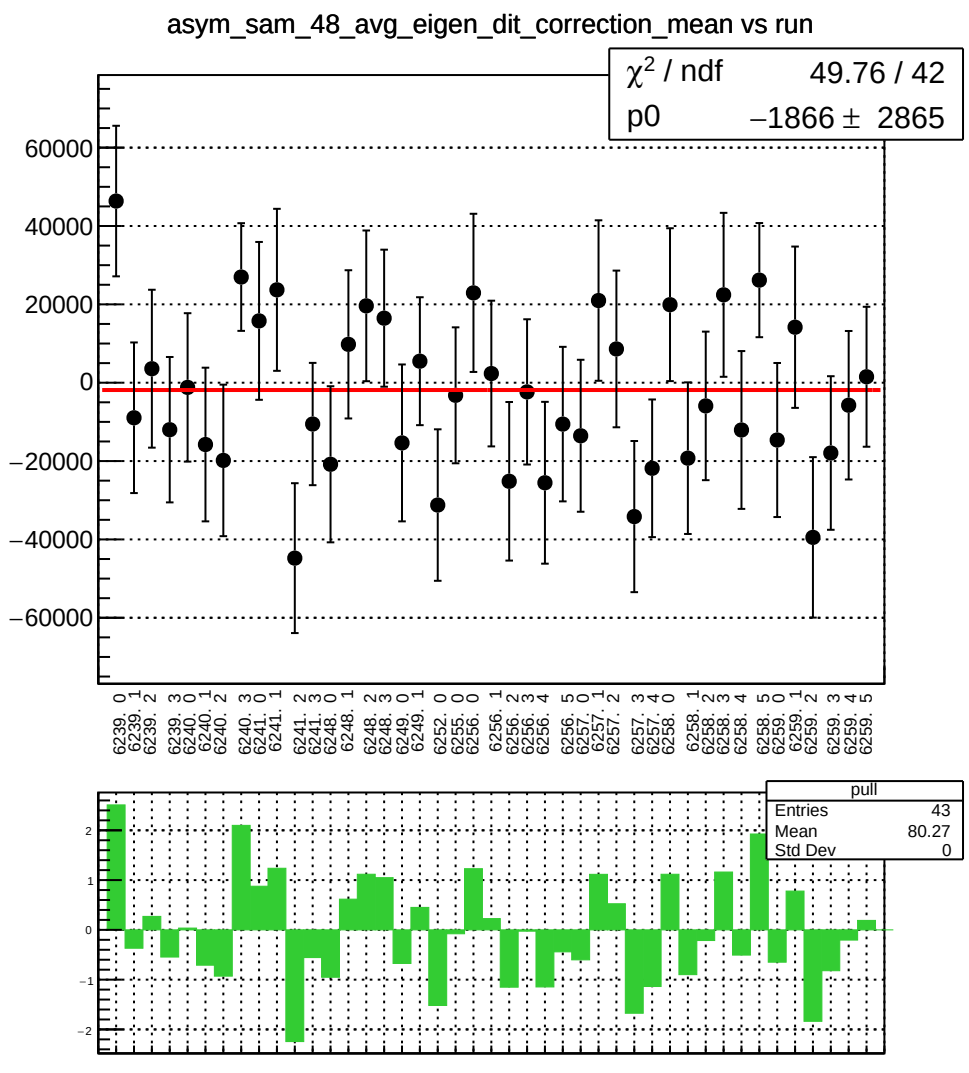

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 49.76 / 42
p0 −1866 ± 2865
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 80.27
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03156
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

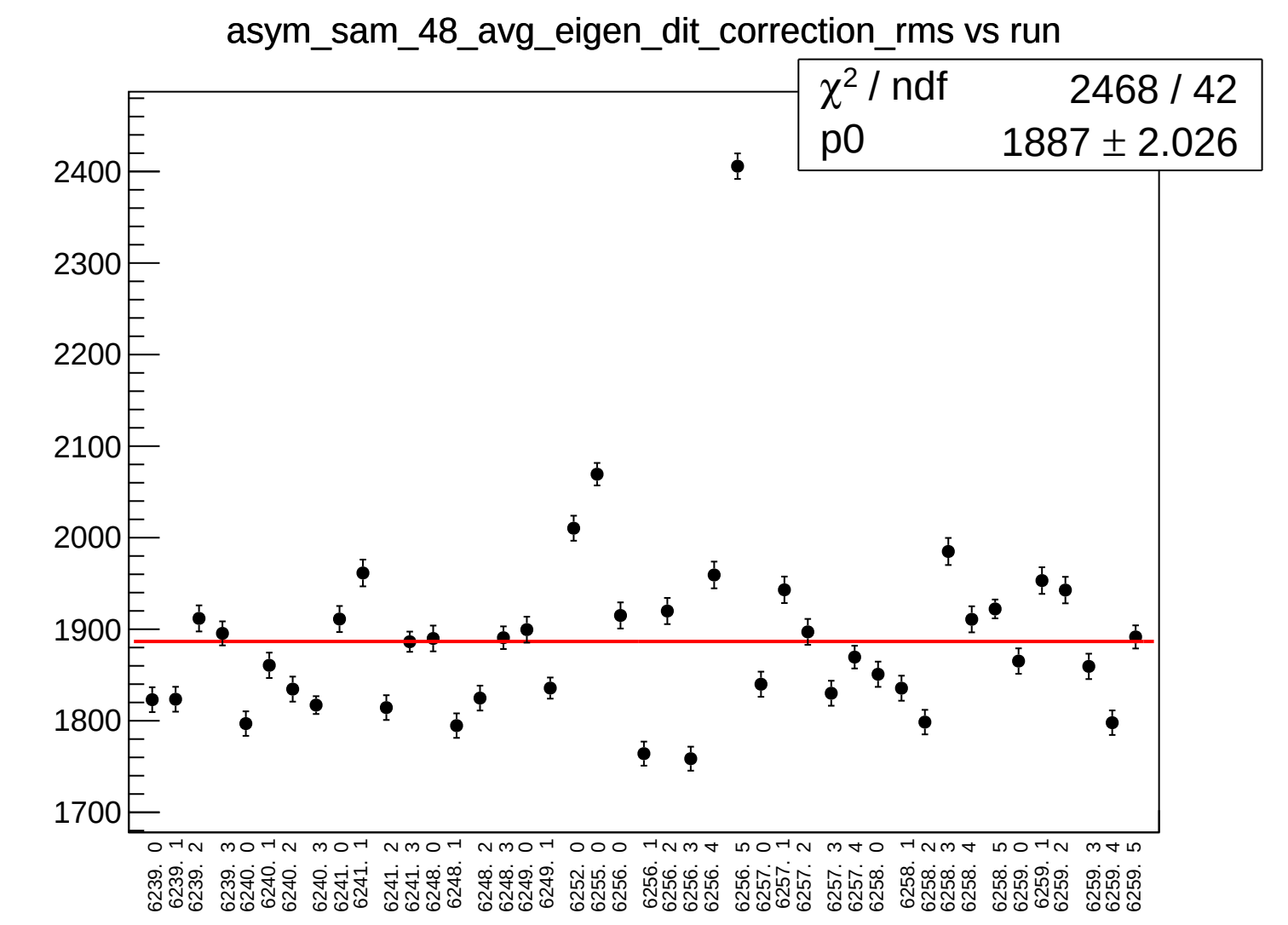

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 2468 / 42
p0 1887 ± 2.026
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

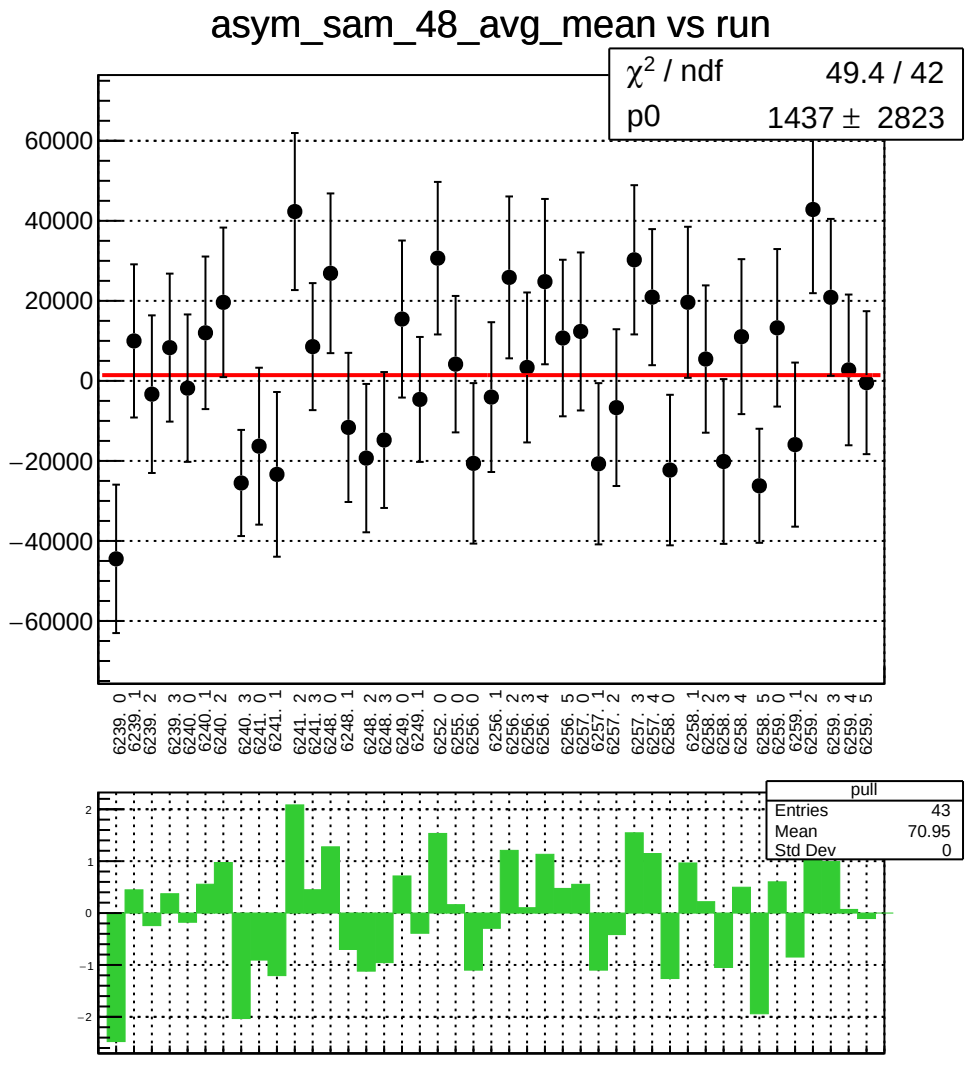

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 43.15 / 42
p0 −0.8302 ± 270.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 6.664
Std Dev 9.449
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

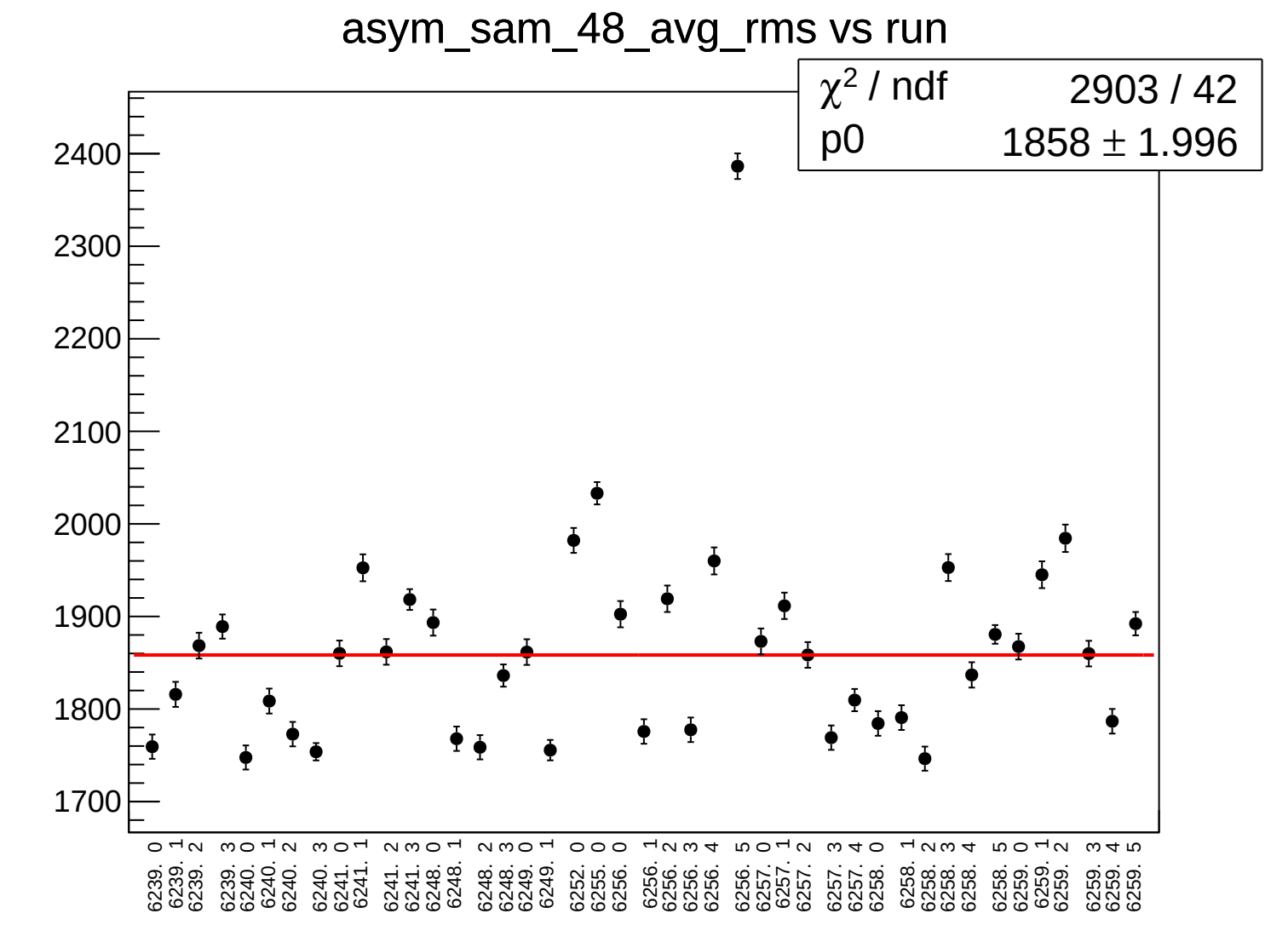

pull1D
Entries 43
Mean −0.02951
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

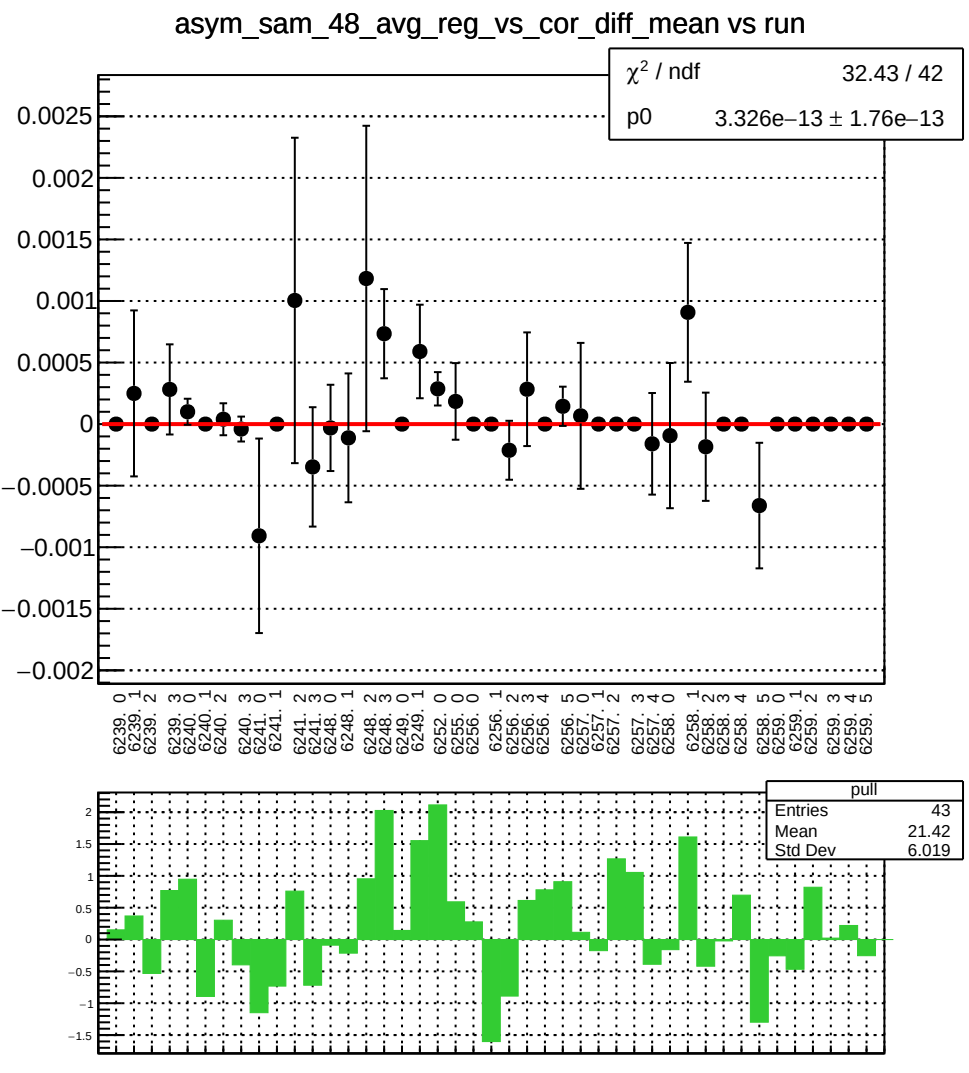

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.602e+04 / 42
p0 174.7 ± 0.1913
350
300
250
200
150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

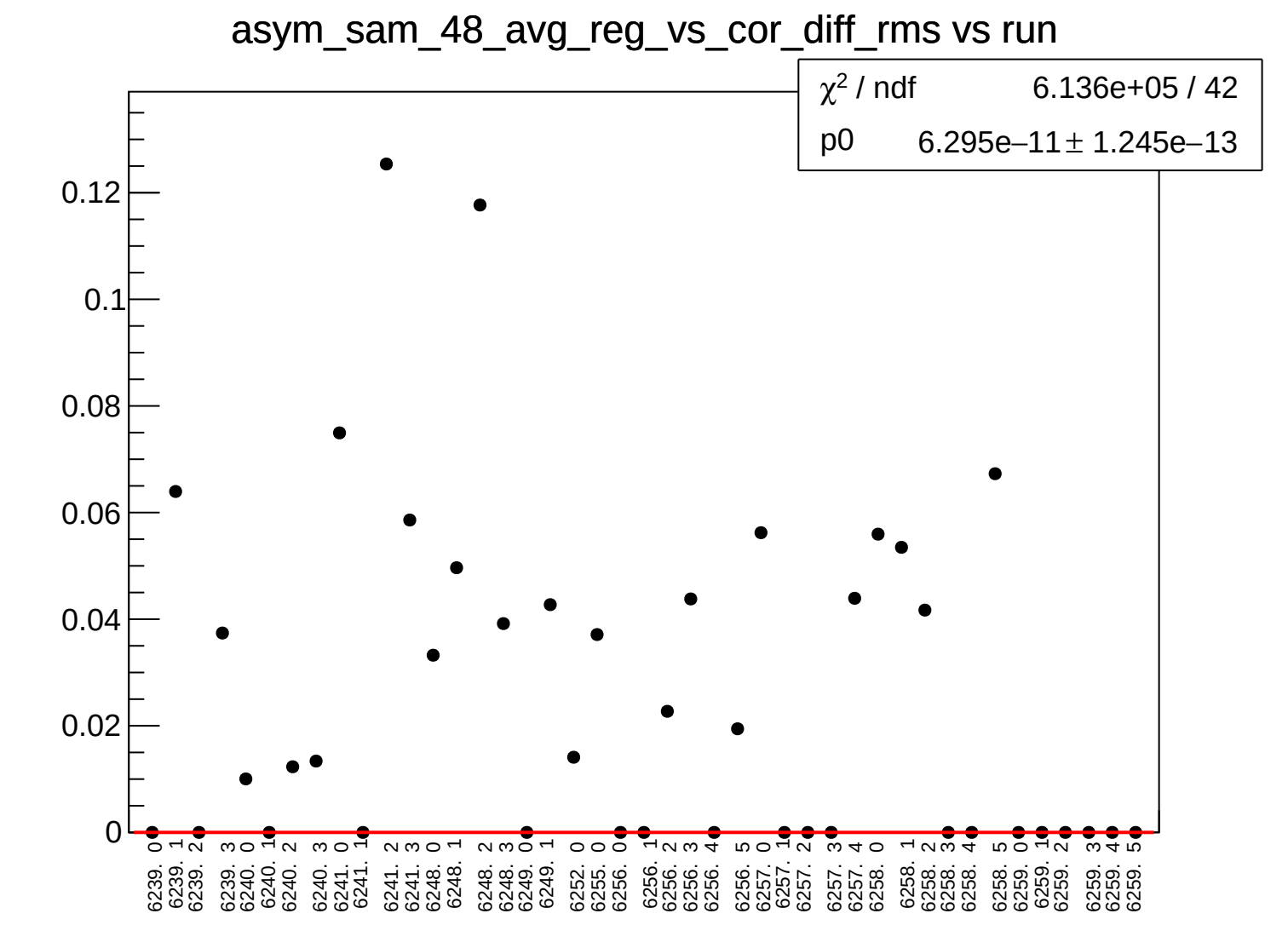

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.76 / 42
p0 −1866 ± 2865
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 80.27
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03156
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

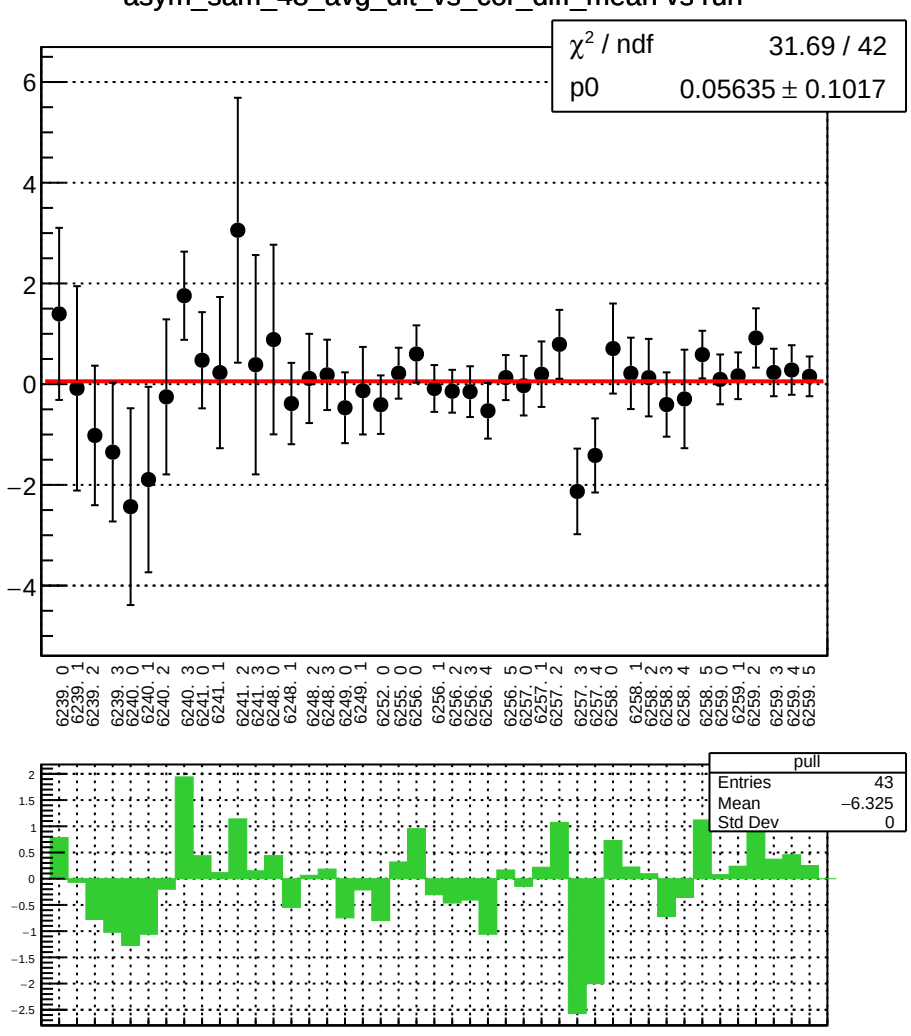

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 2468 / 42
p0 1887 ± 2.026
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

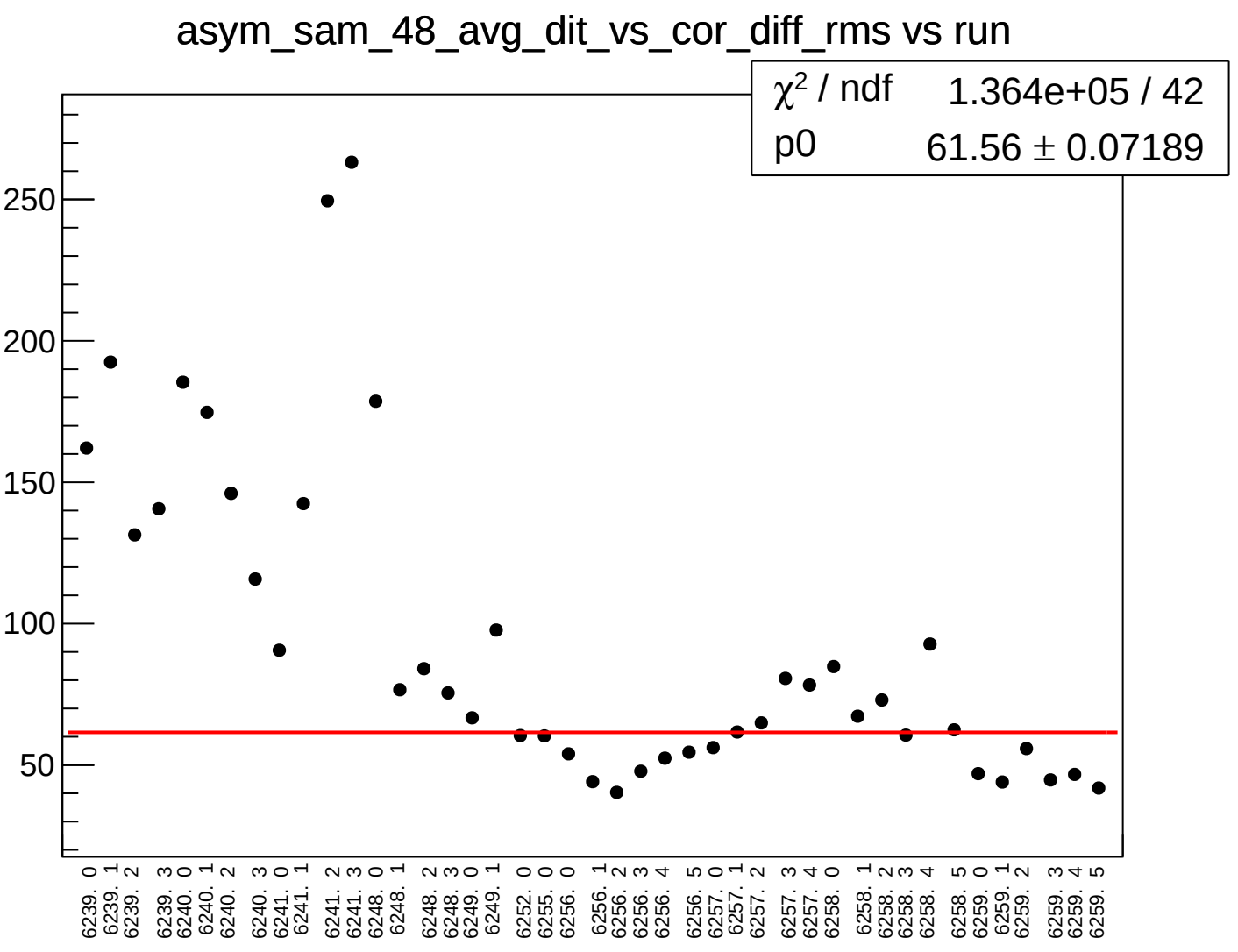

asym_sam_48_avg_mean vs run
χ² / ndf 49.4 / 42
p0 1437 ± 2823
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 70.95
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.04043
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_rms vs run
χ² / ndf 2903 / 42
p0 1858 ± 1.996
2400
2300
2200
2100
2000
1900
1800
1700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

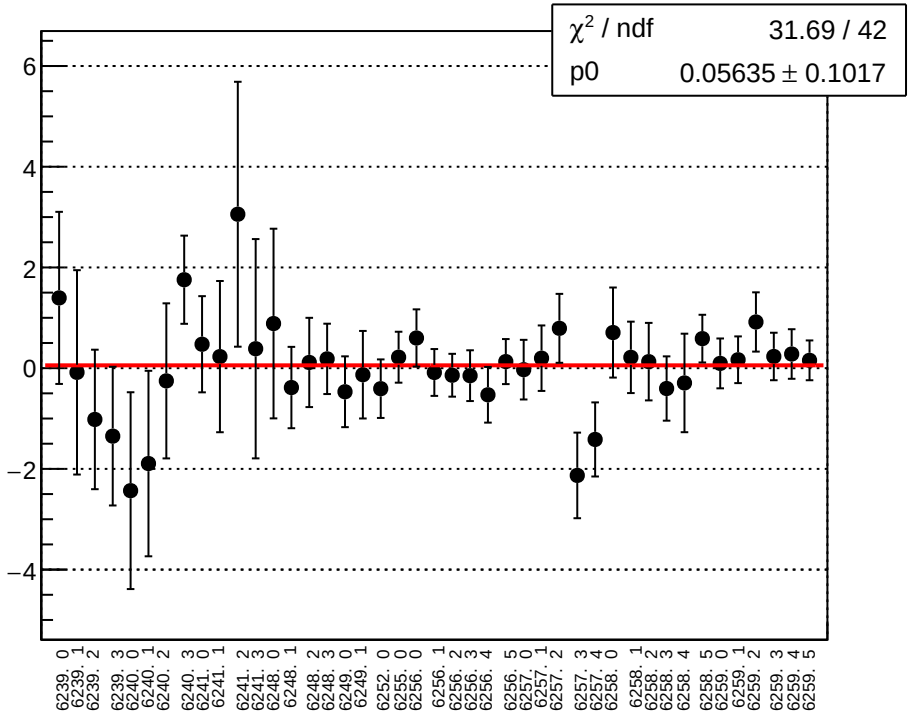

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 32.43 / 42
p0 3.326e−13 ± 1.76e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.42
Std Dev 6.019
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.1959
Std Dev 0.846
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

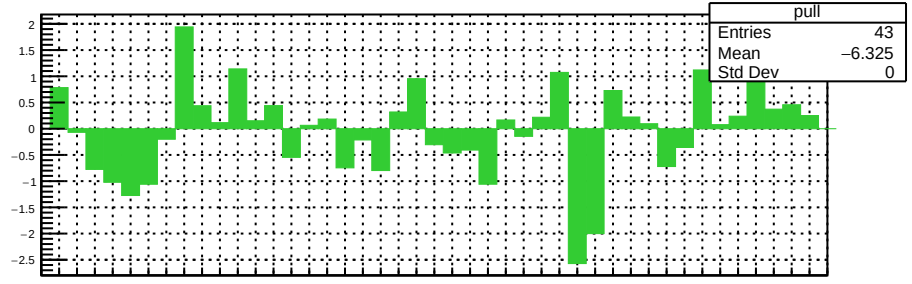

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.136e+05 / 42
p0 6.295e−11 ± 1.245e−13
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

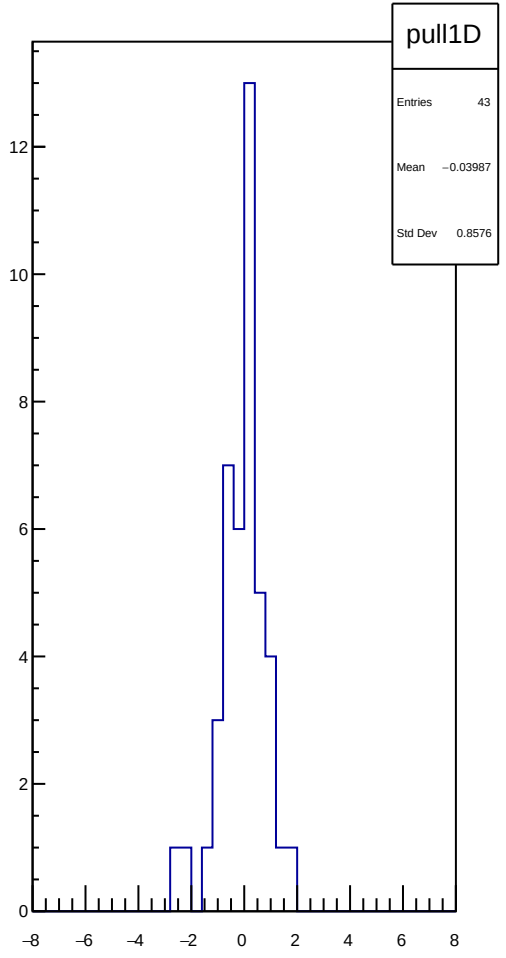

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 31.69 / 42
p0 0.05635 ± 0.1017
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −6.325
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.03987
Std Dev 0.8576
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

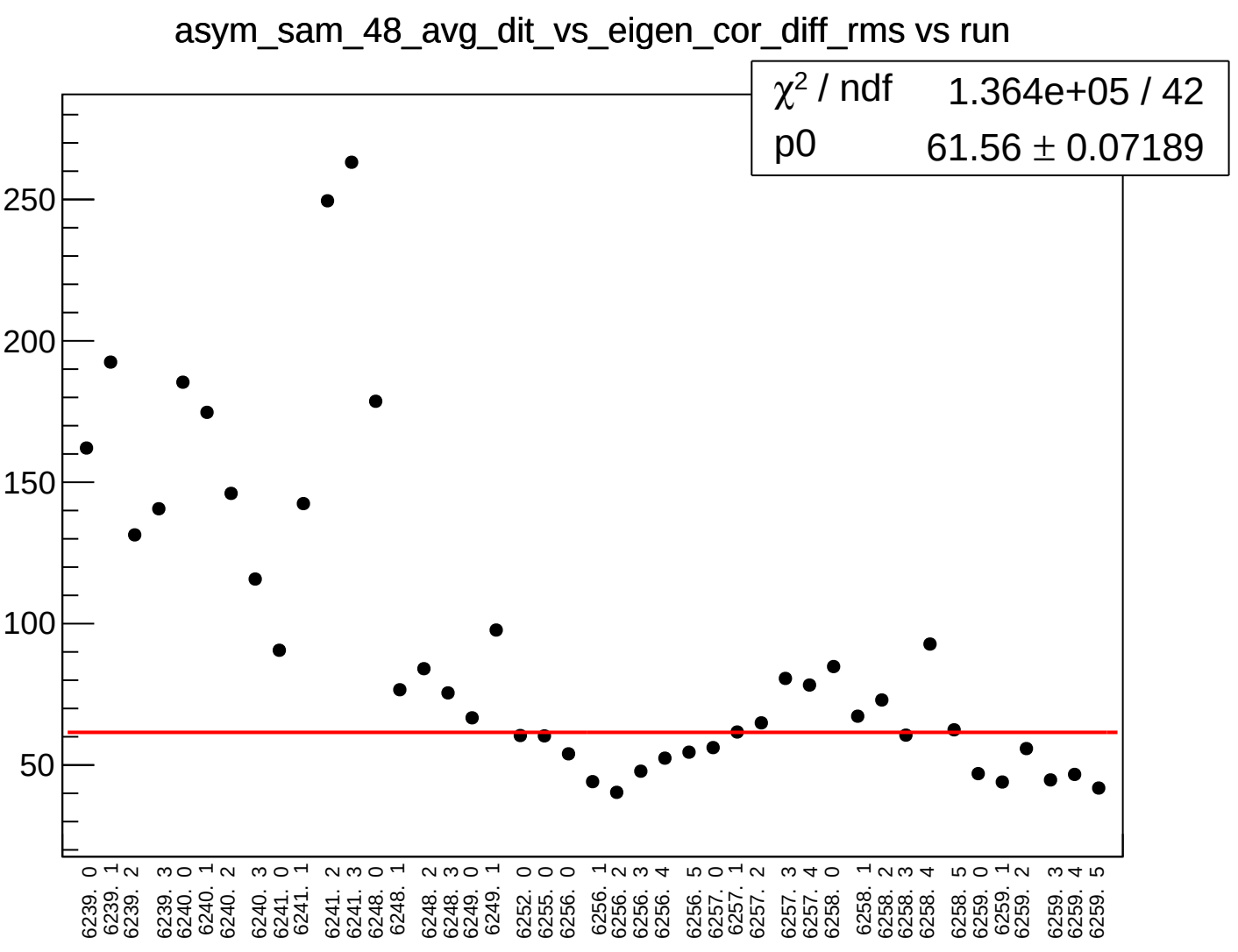

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.364e+05 / 42
p0 61.56 ± 0.07189
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

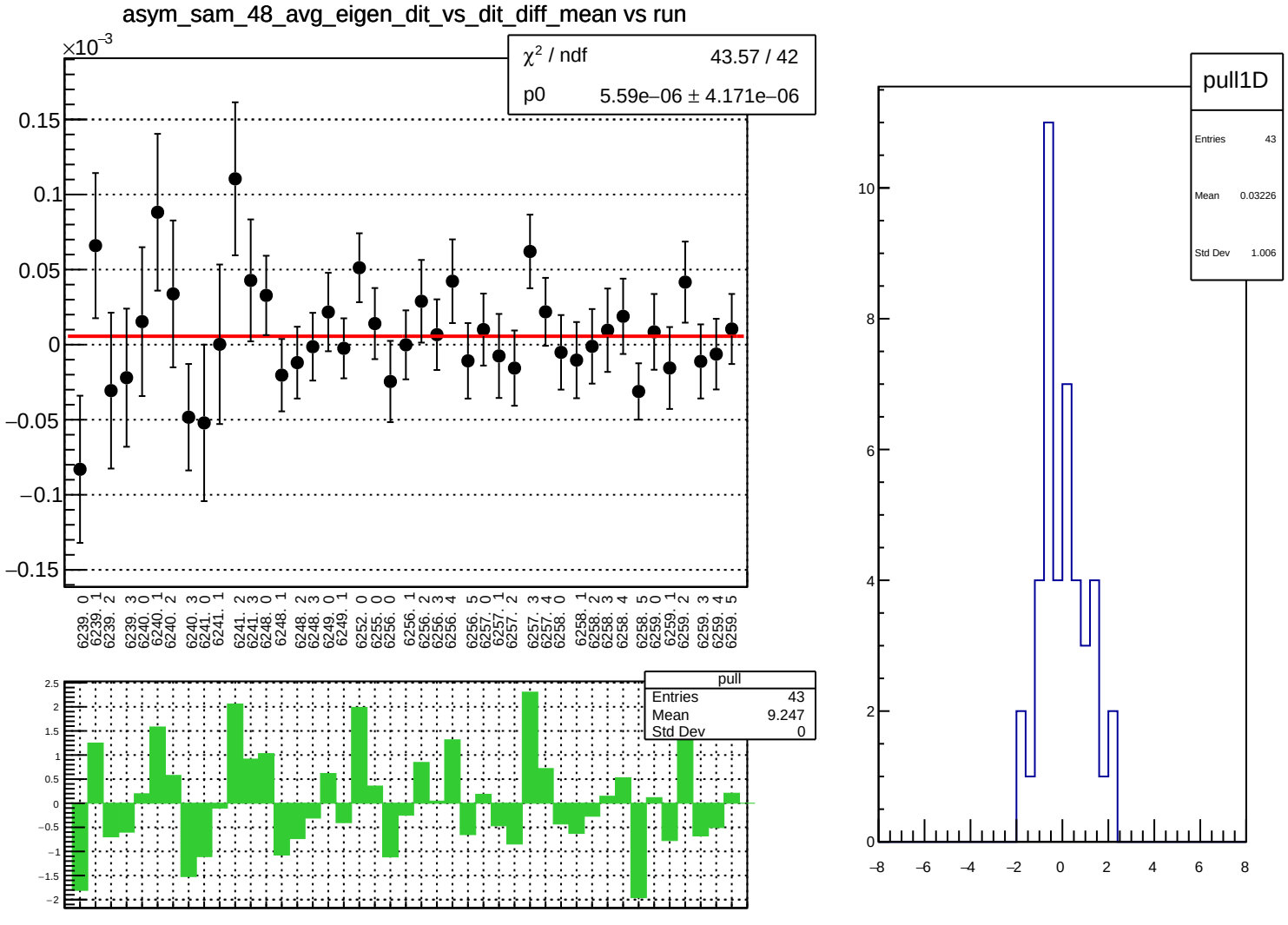
asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run

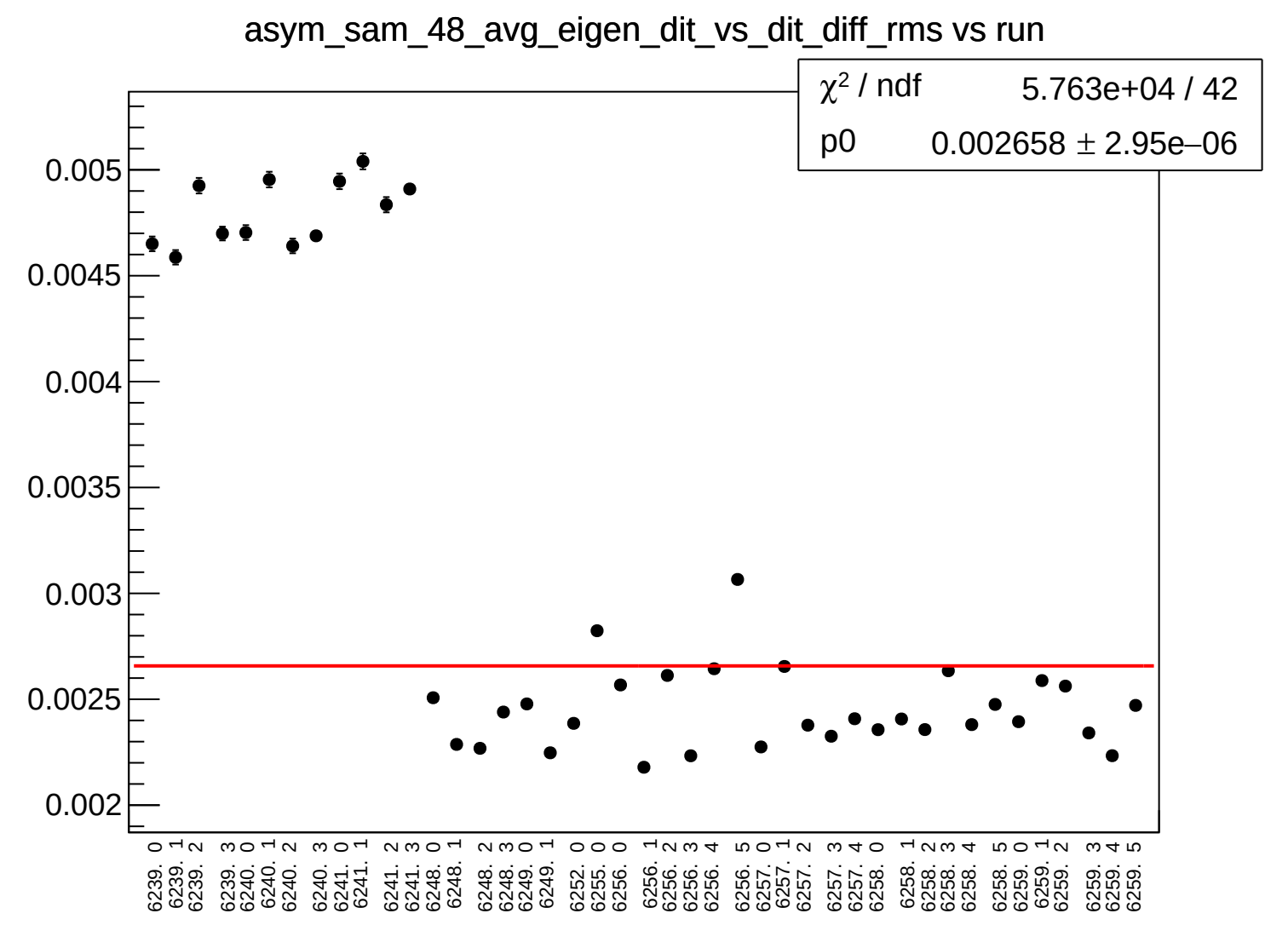


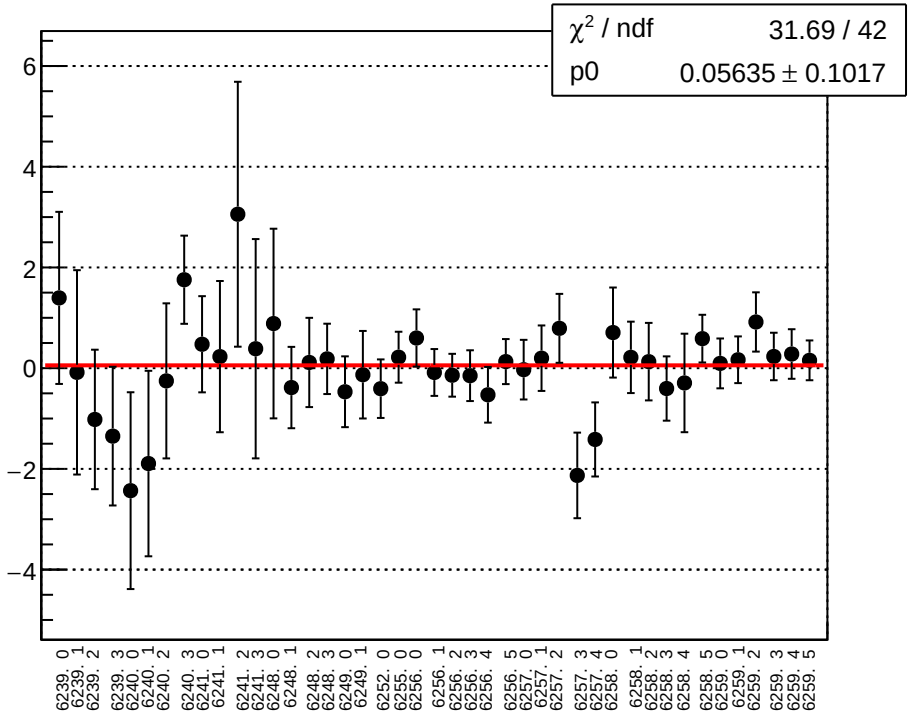



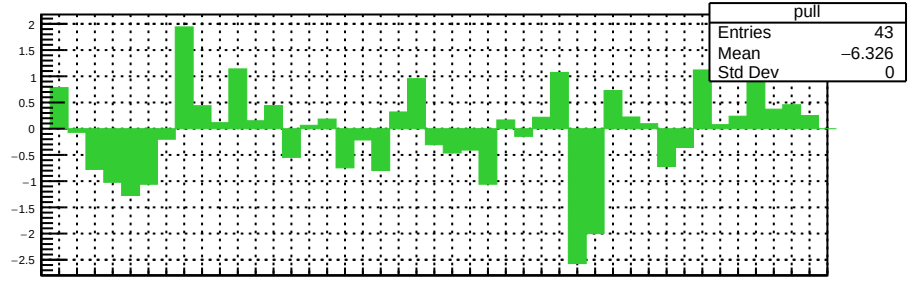

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.364e+05 / 42
p0 61.56 ± 0.07189
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

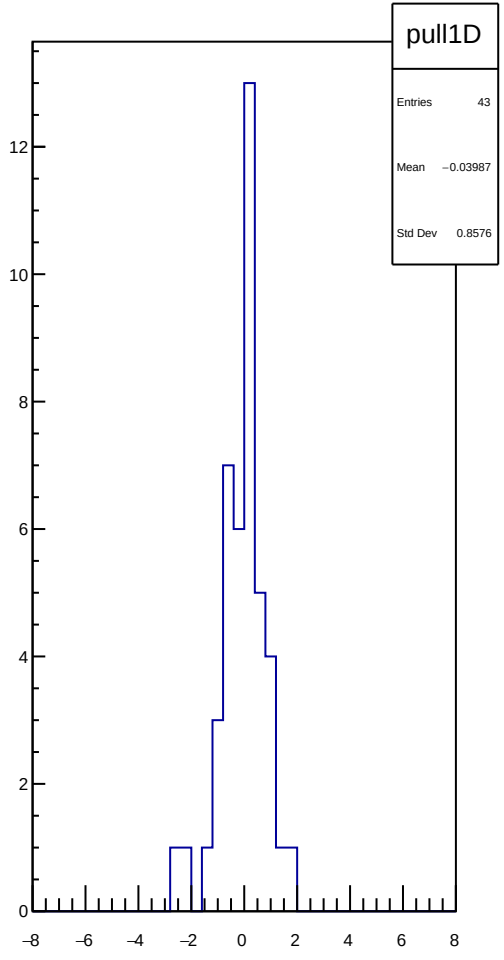

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.57 / 42
p0 5.59e−06 ± 4.171e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.247
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03226
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

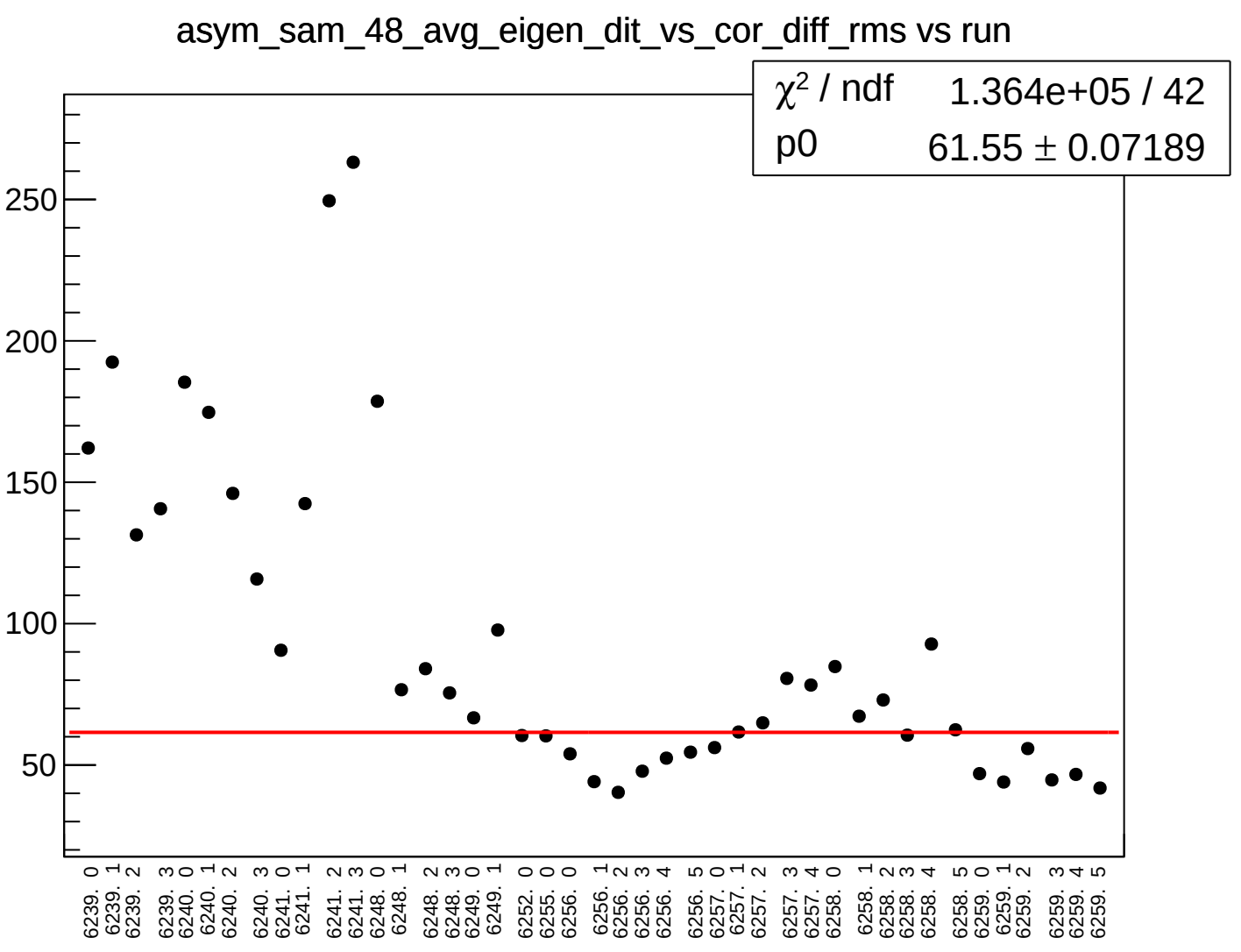

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.763e+04 / 42
p0 0.002658 ± 2.95e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

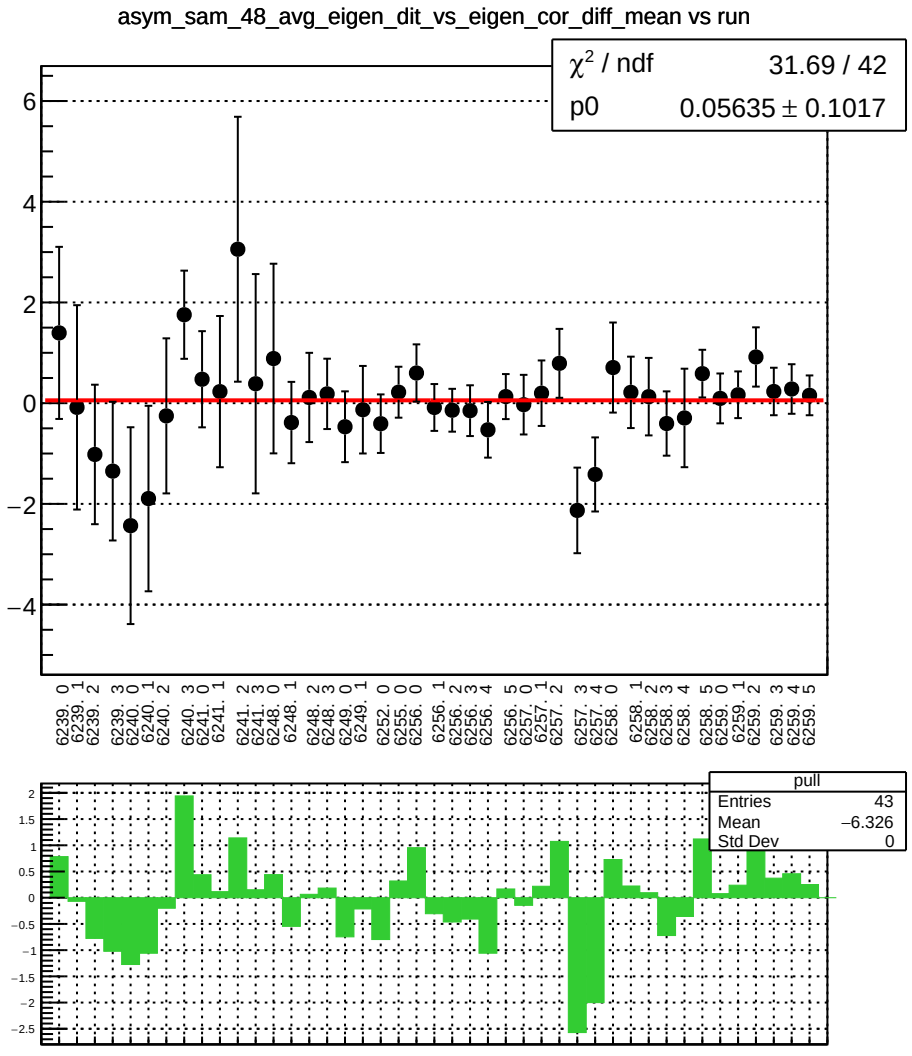
asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run

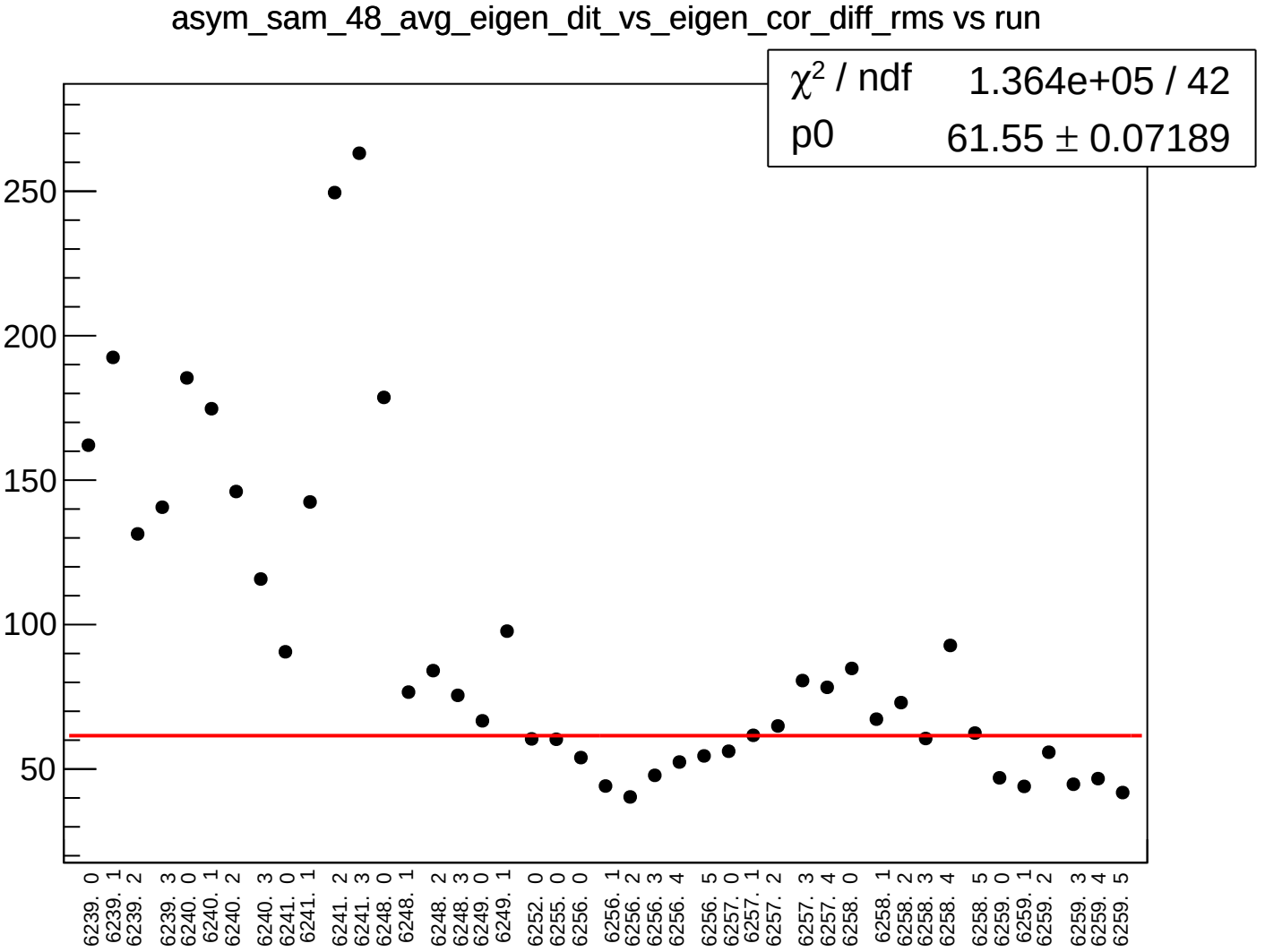


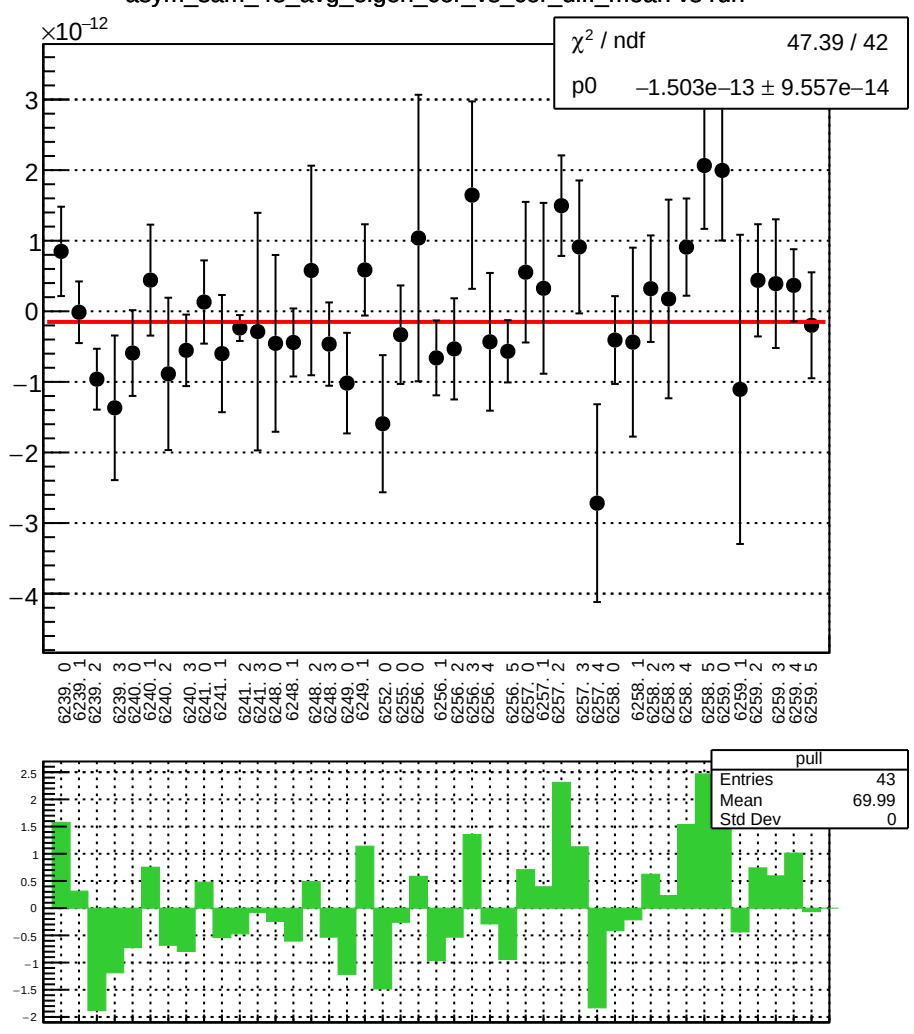



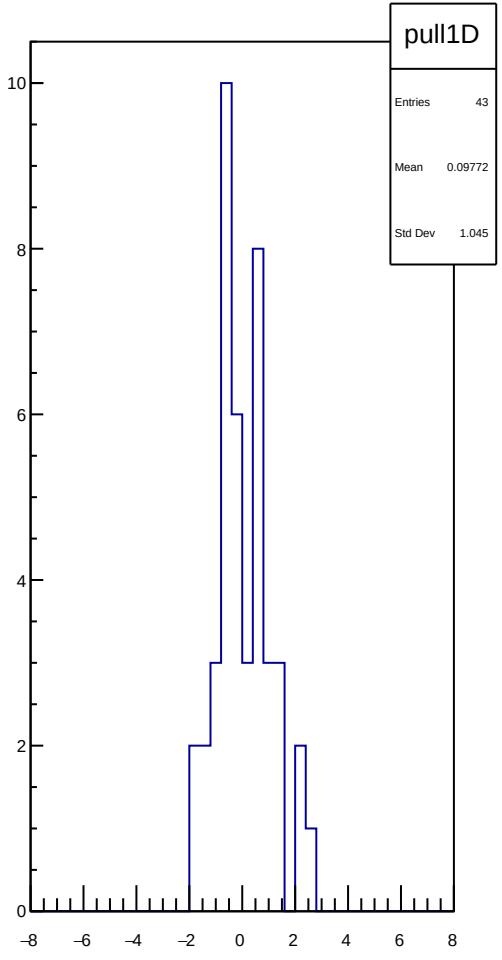



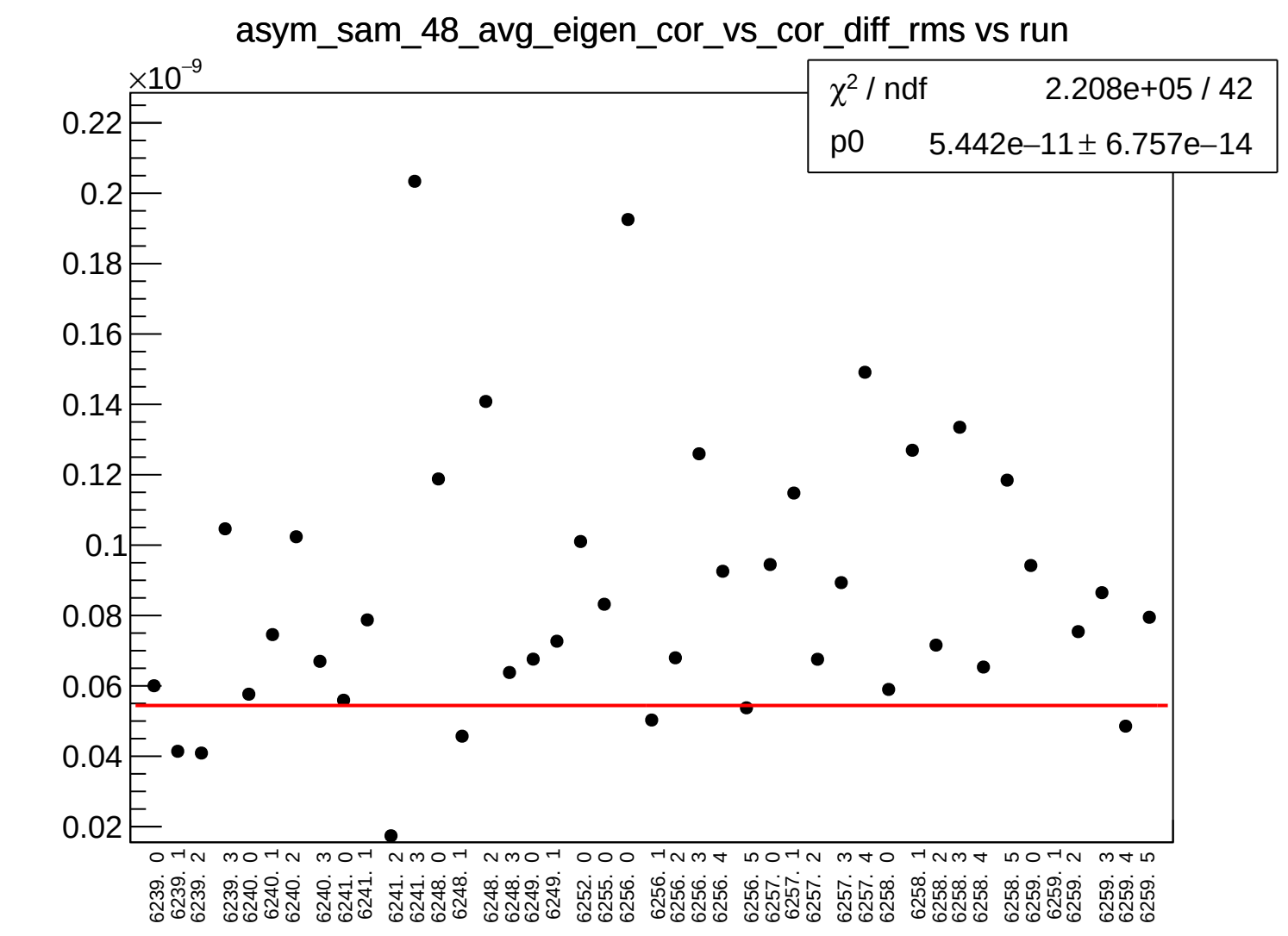

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.364e+05 / 42
p0 61.55 ± 0.07189
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

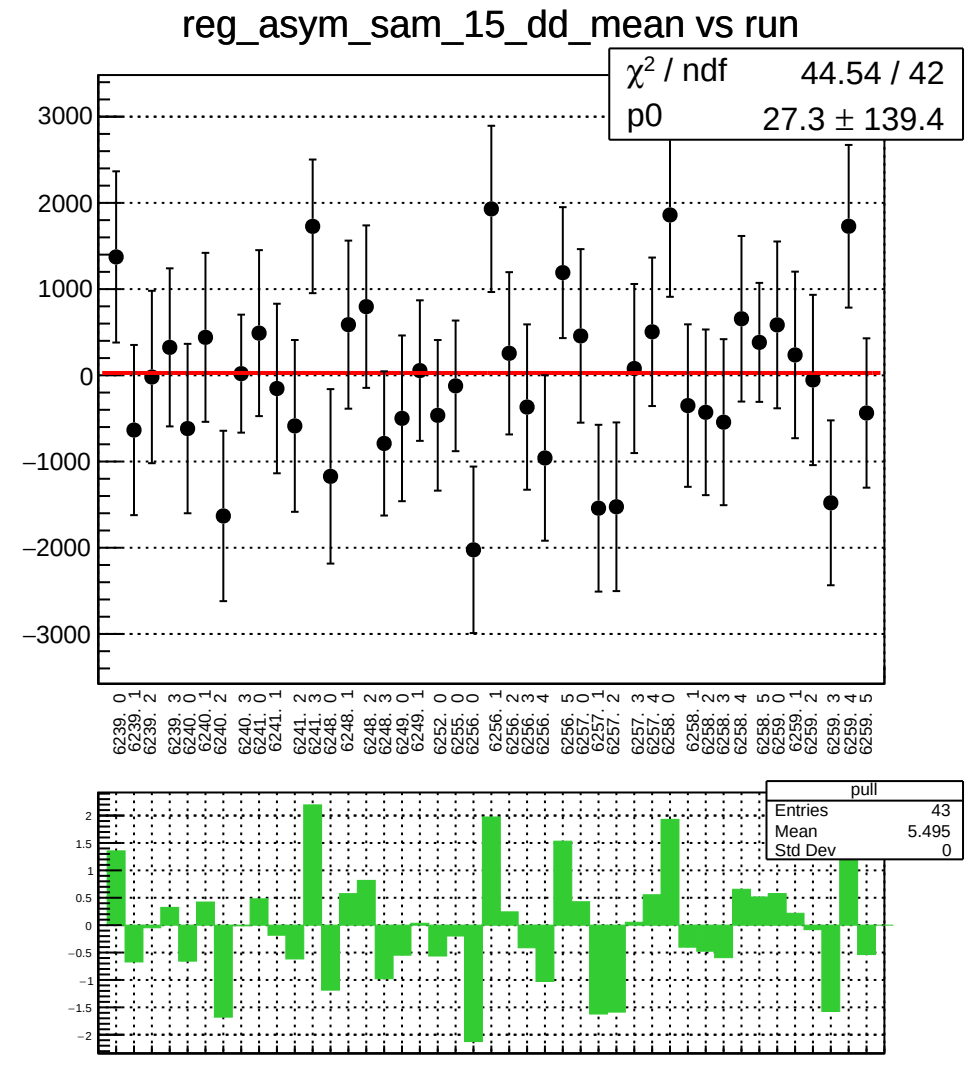

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.69 / 42
p0 0.05635 ± 0.1017
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −6.326
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean −0.03987
Std Dev 0.8576
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

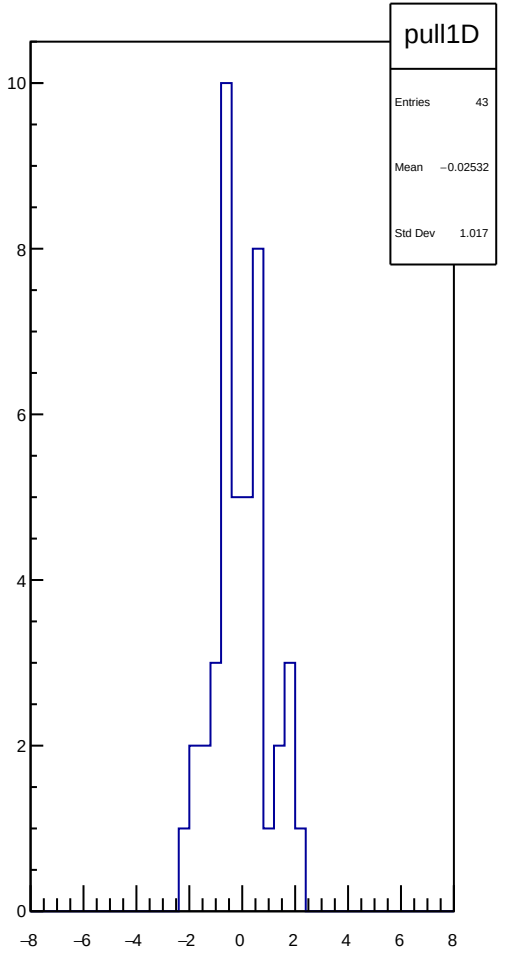

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.364e+05 / 42
p0 61.55 ± 0.07189
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

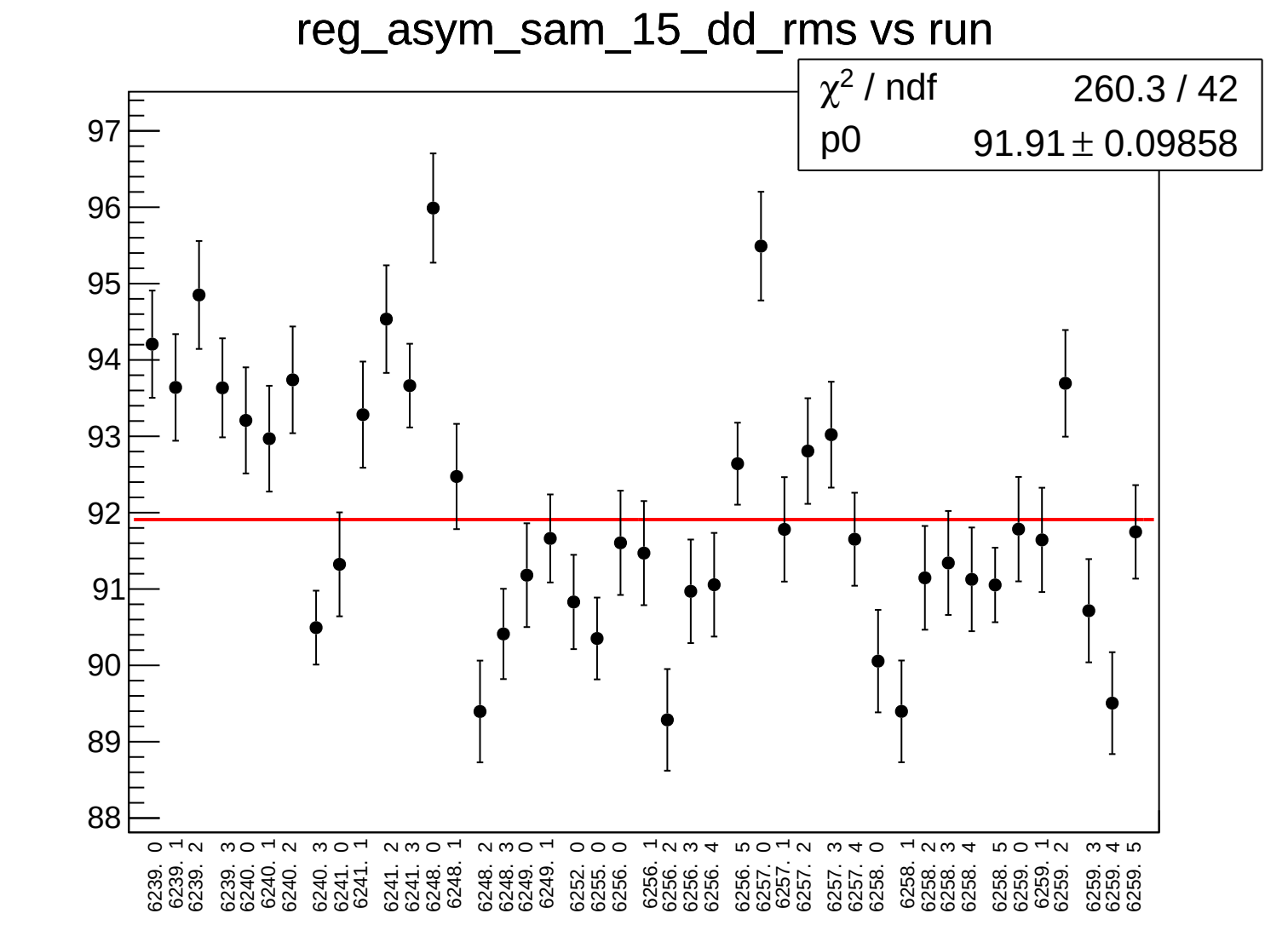

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.39 / 42
p0 −1.503e−13 ± 9.557e−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.99
Std Dev 0

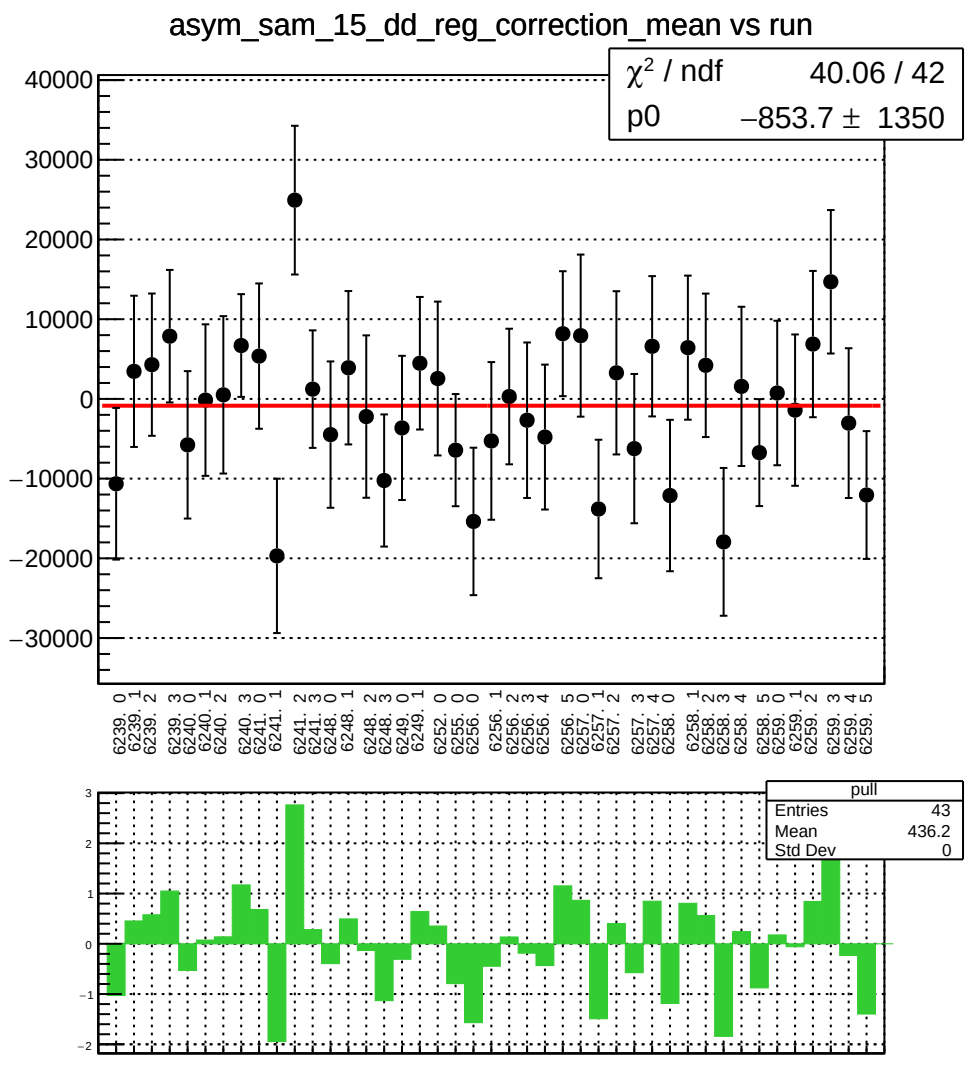

pull1D
Entries 43
Mean 0.09772
Std Dev 1.045

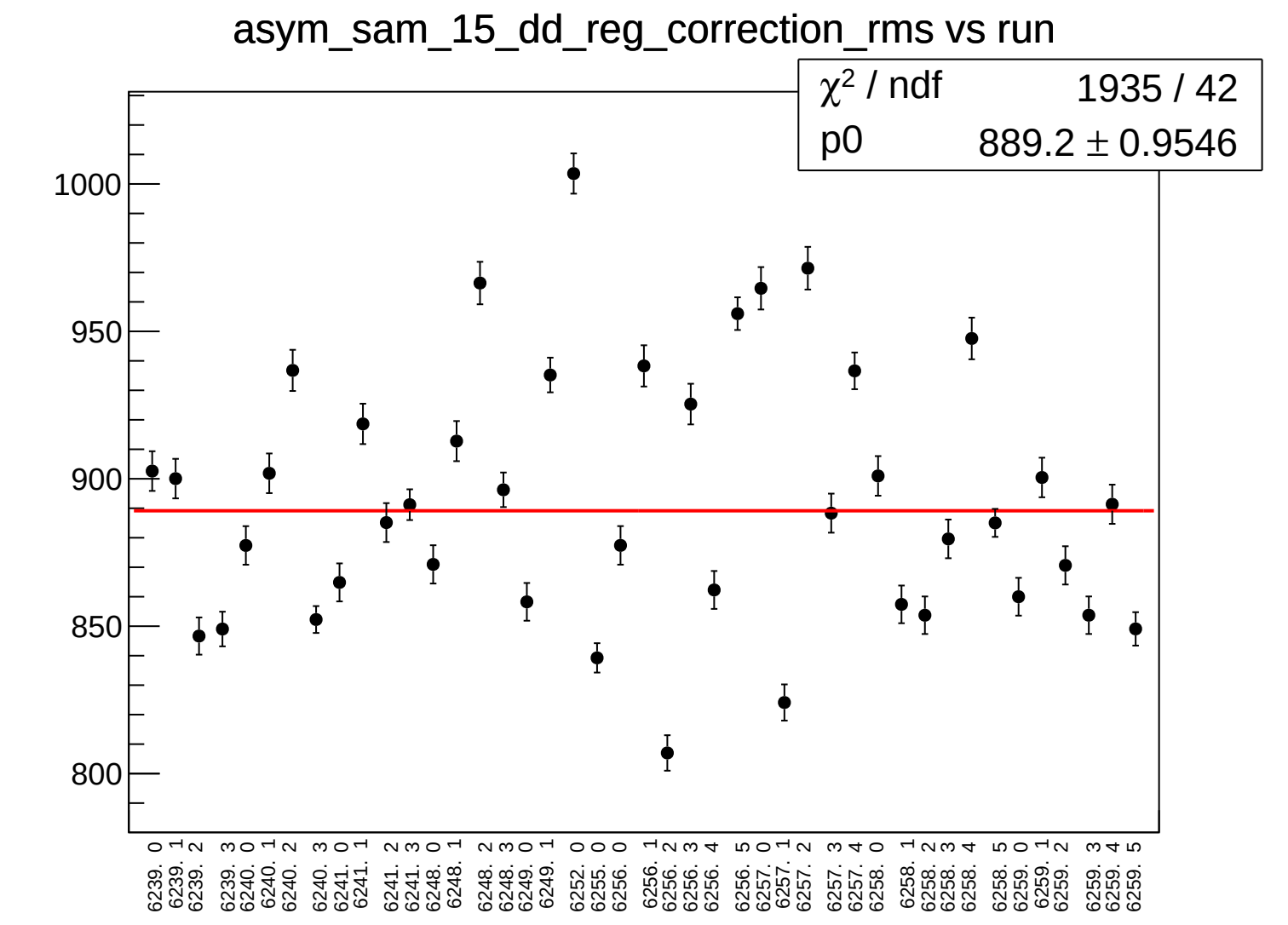

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.208e+05 / 42
p0 5.442e−11 ± 6.757e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

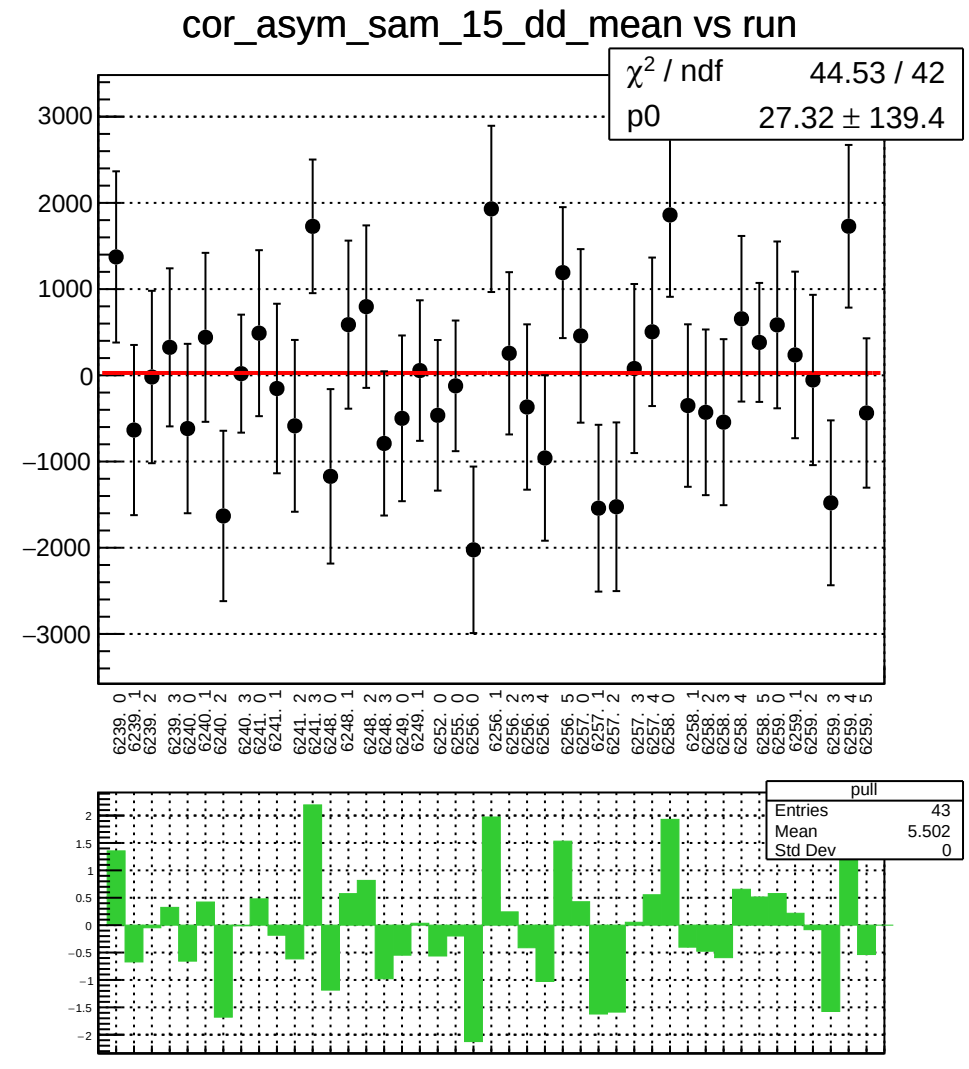

reg_asym_sam_15_dd_mean vs run
χ² / ndf 44.54 / 42
p0 27.3 ± 139.4
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.495
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

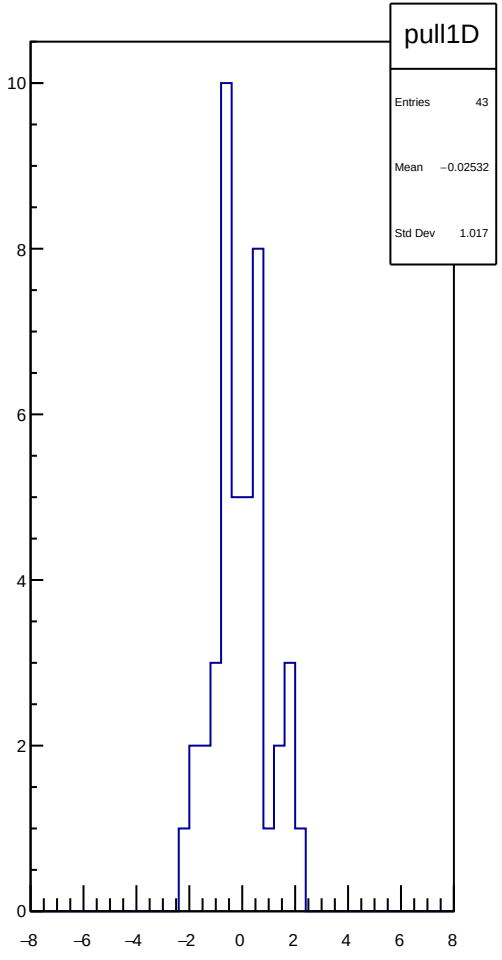

pull1D
Entries 43
Mean −0.02532
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

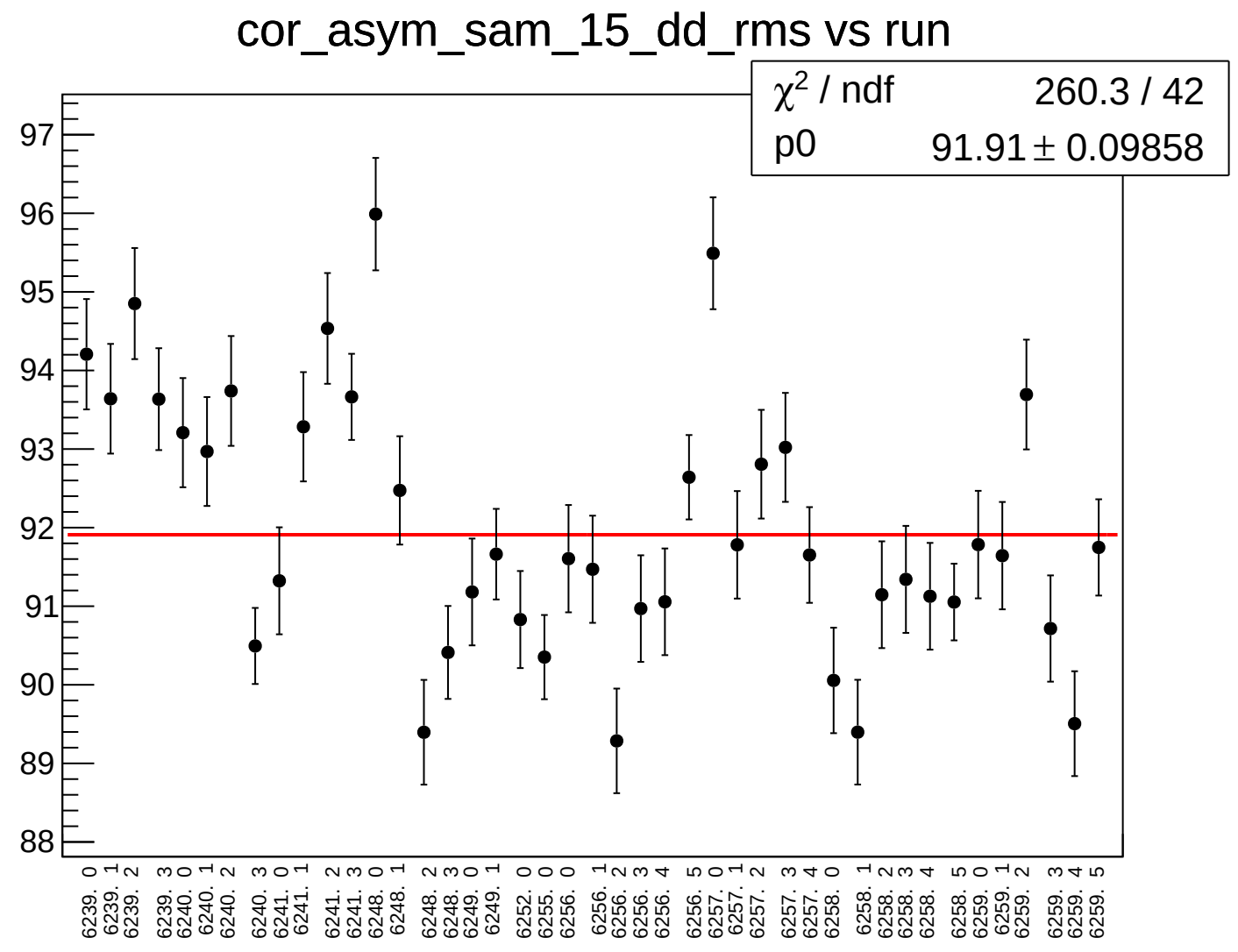

reg_asym_sam_15_dd_rms vs run
χ² / ndf 260.3 / 42
p0 91.91 ± 0.09858
97
96
95
94
93
92
91
90
89
88
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

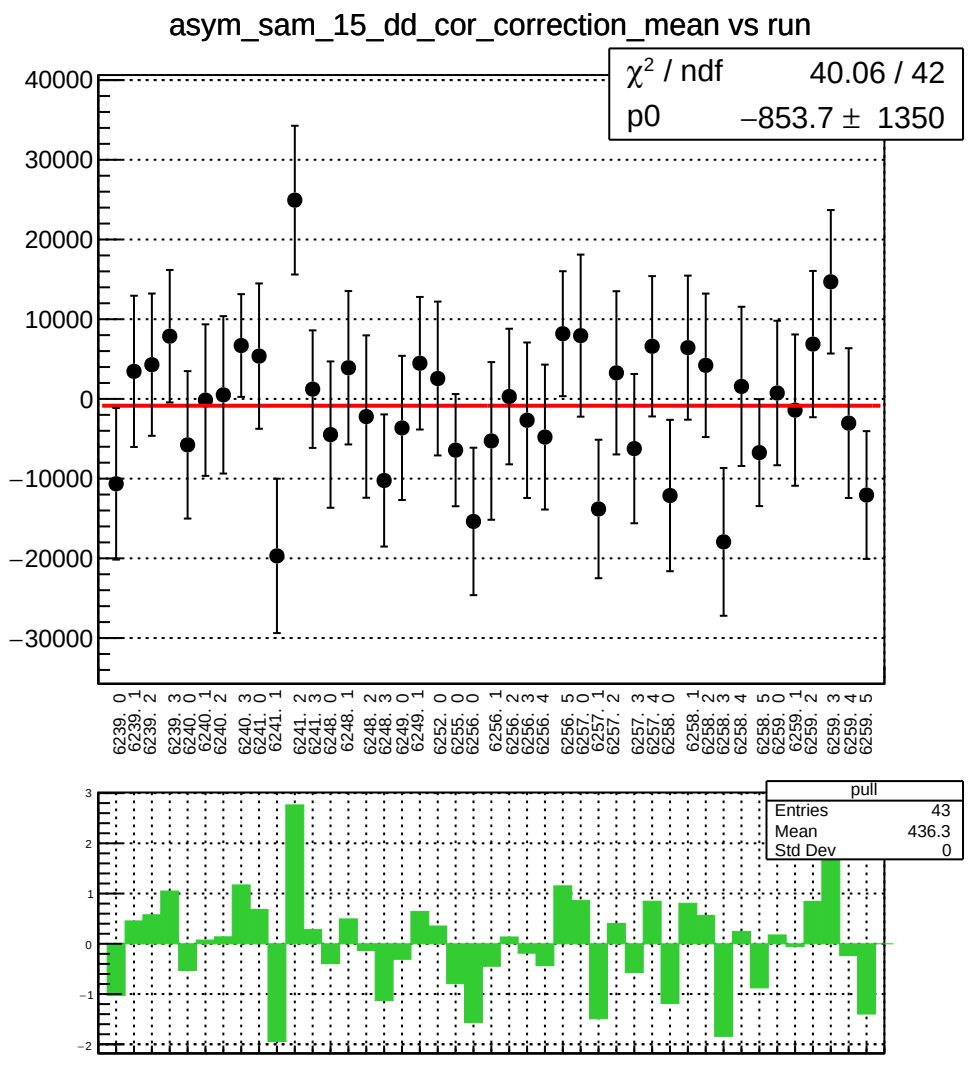

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 40.06 / 42
p0 −853.7 ± 1350
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 436.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.002701
Std Dev 0.9652
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

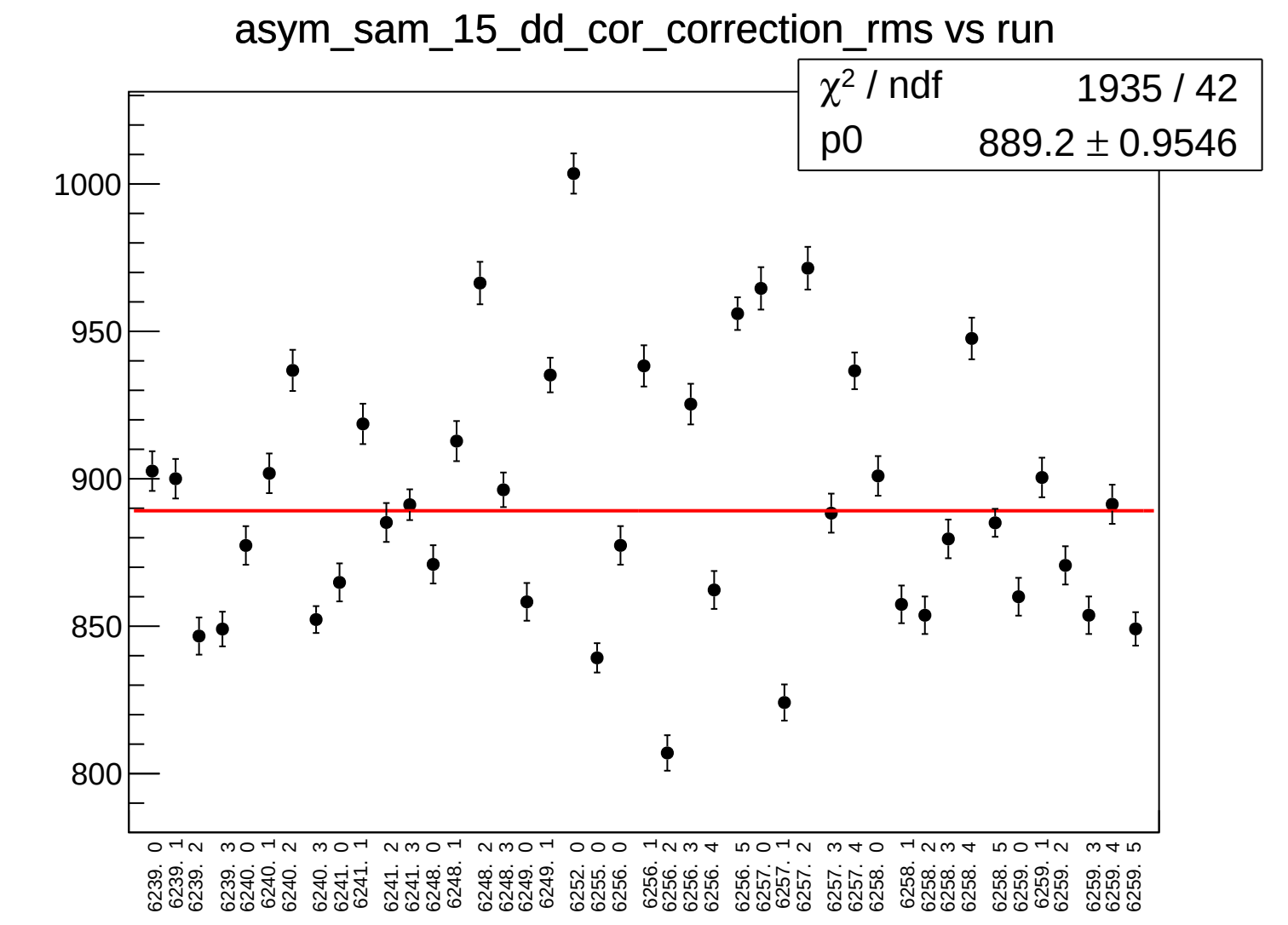

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1935 / 42
p0 889.2 ± 0.9546
1000
950
900
850
800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

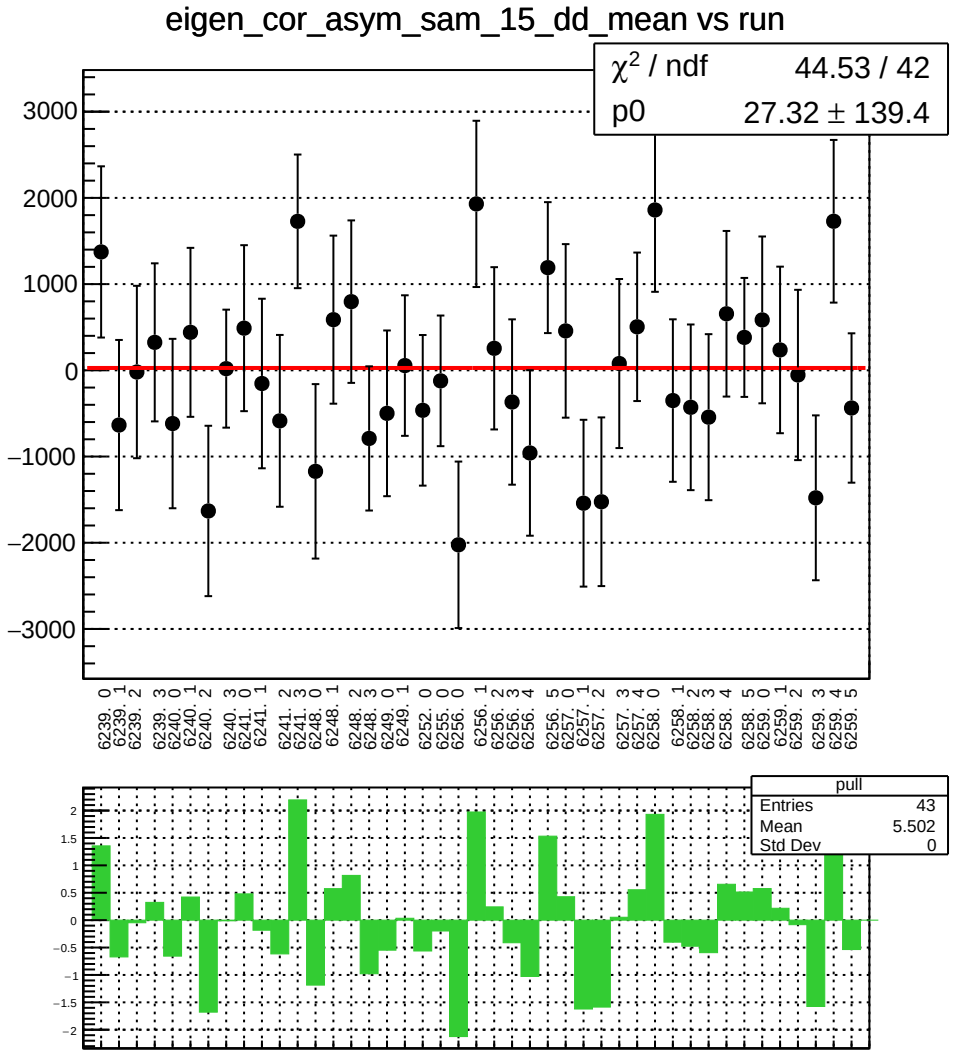

cor_asym_sam_15_dd_mean vs run
χ² / ndf 44.53 / 42
p0 27.32 ± 139.4
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.502
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

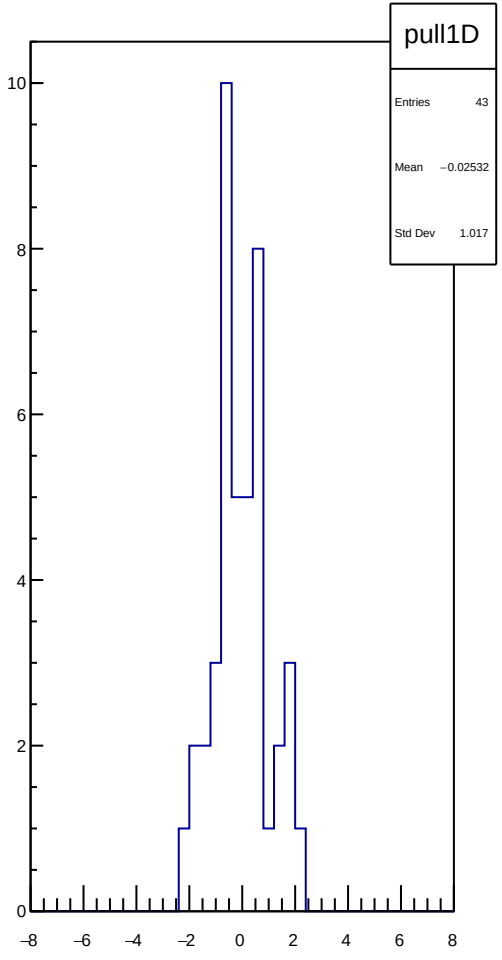

pull1D
Entries 43
Mean −0.02532
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

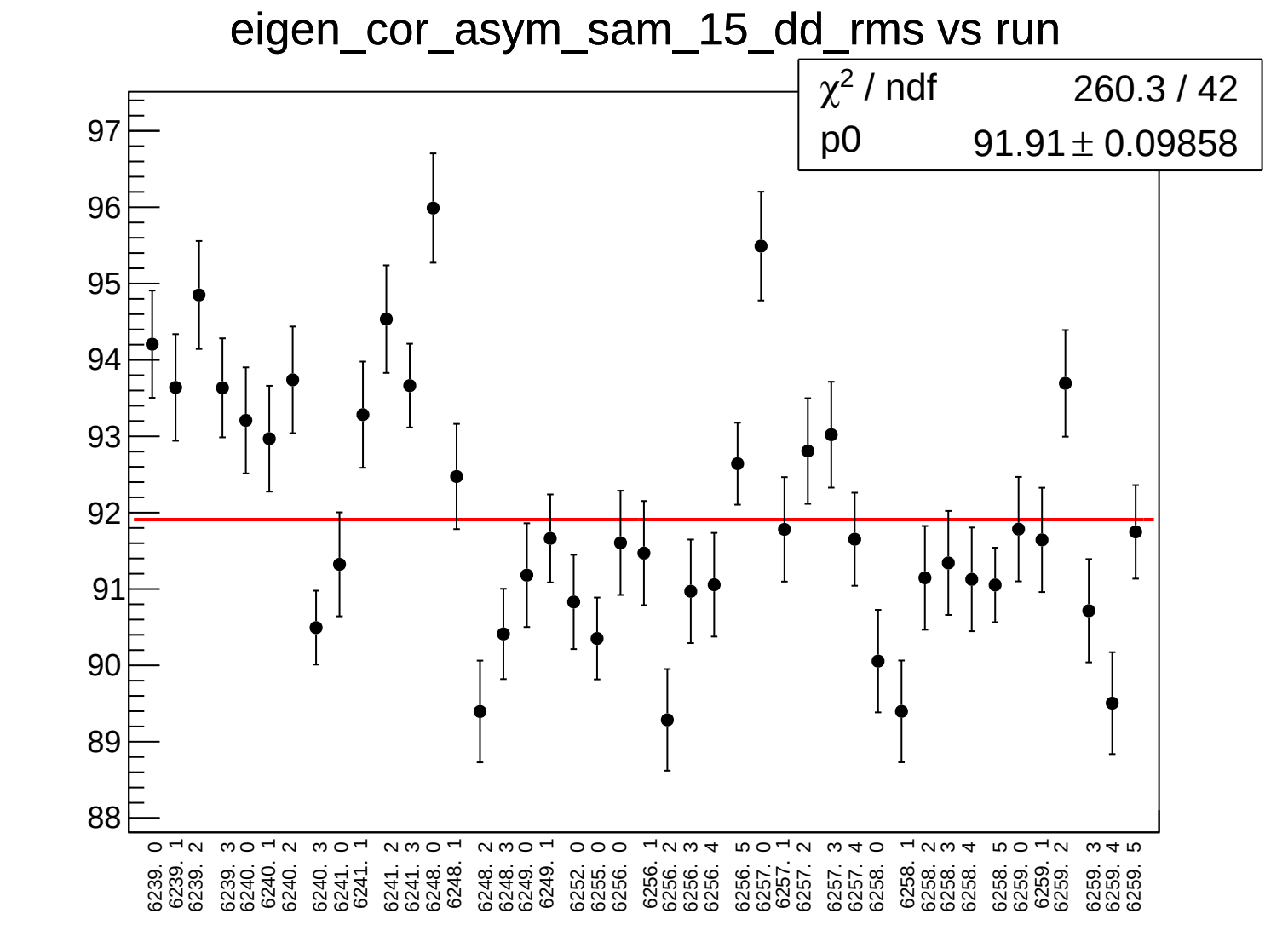

cor_asym_sam_15_dd_rms vs run
χ² / ndf 260.3 / 42
p0 91.91 ± 0.09858
97
96
95
94
93
92
91
90
89
88
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

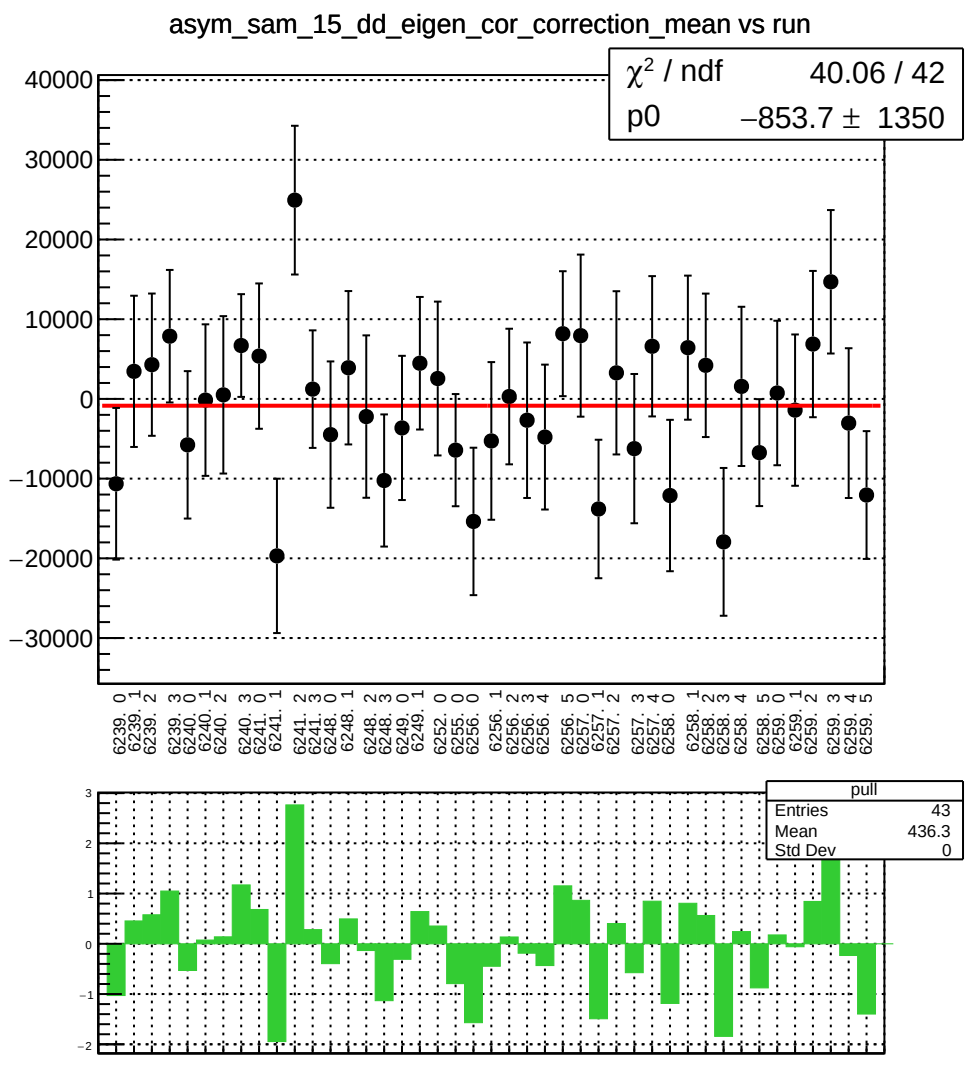

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 40.06 / 42
p0 −853.7 ± 1350
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 436.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0027
Std Dev 0.9652
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

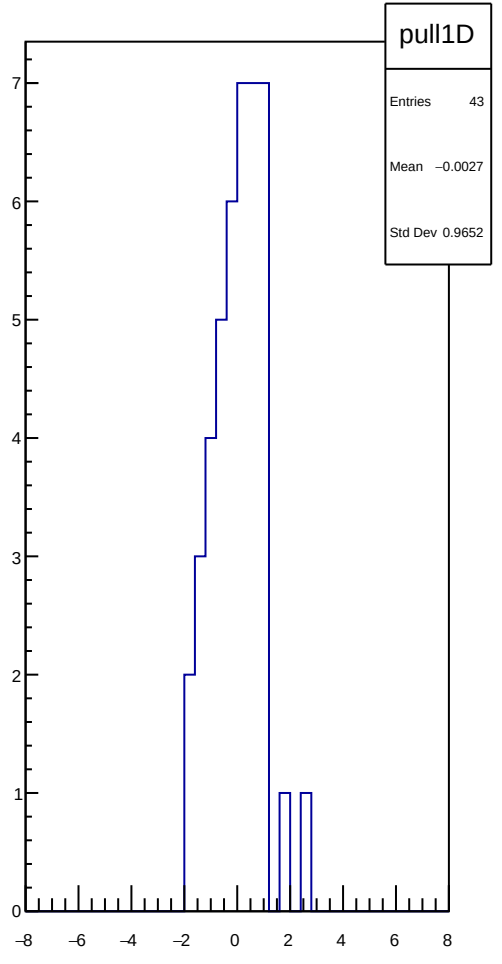

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1935 / 42
p0 889.2 ± 0.9546
1000
950
900
850
800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

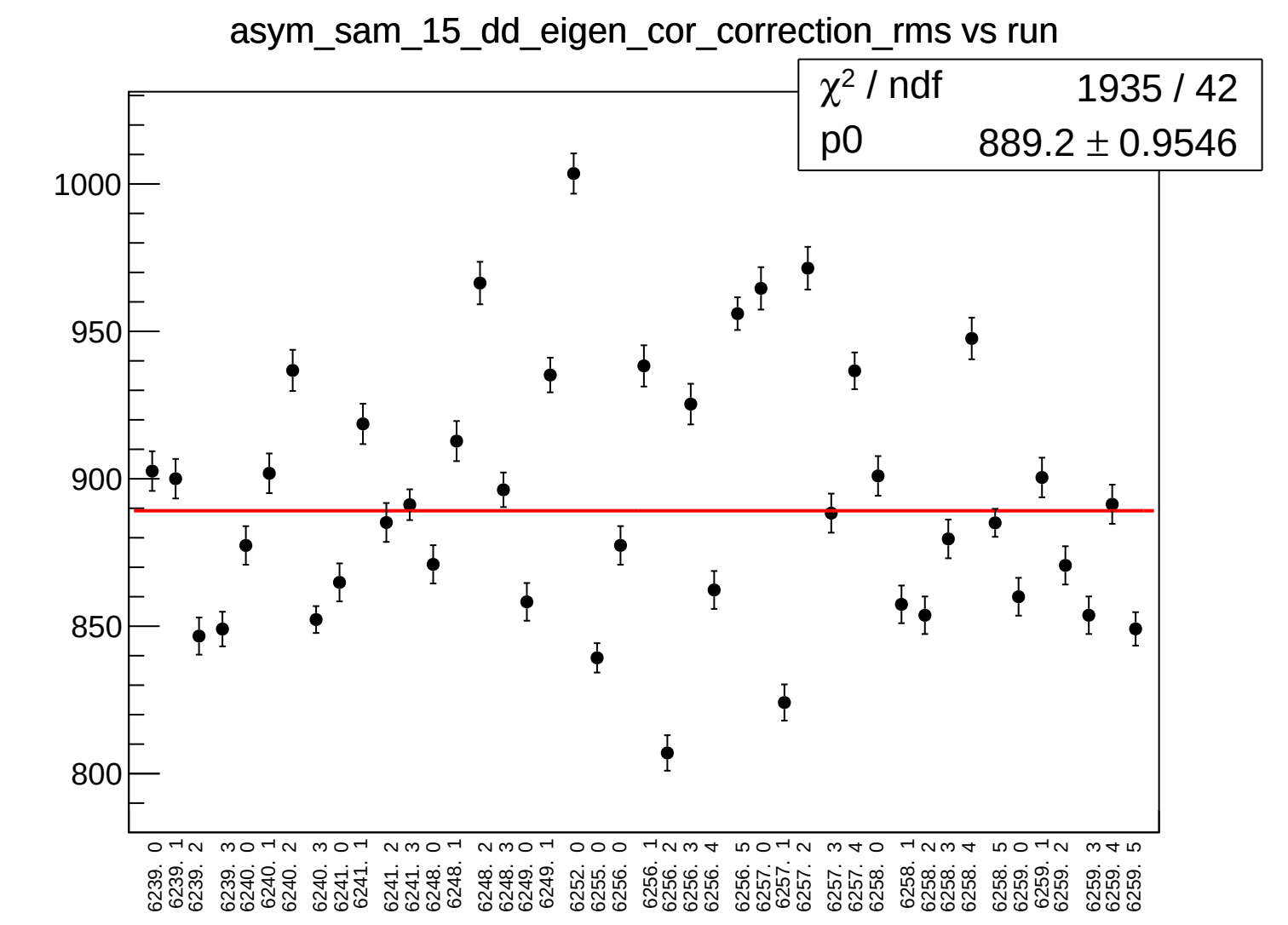

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 44.53 / 42
p0 27.32 ± 139.4
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 5.502
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

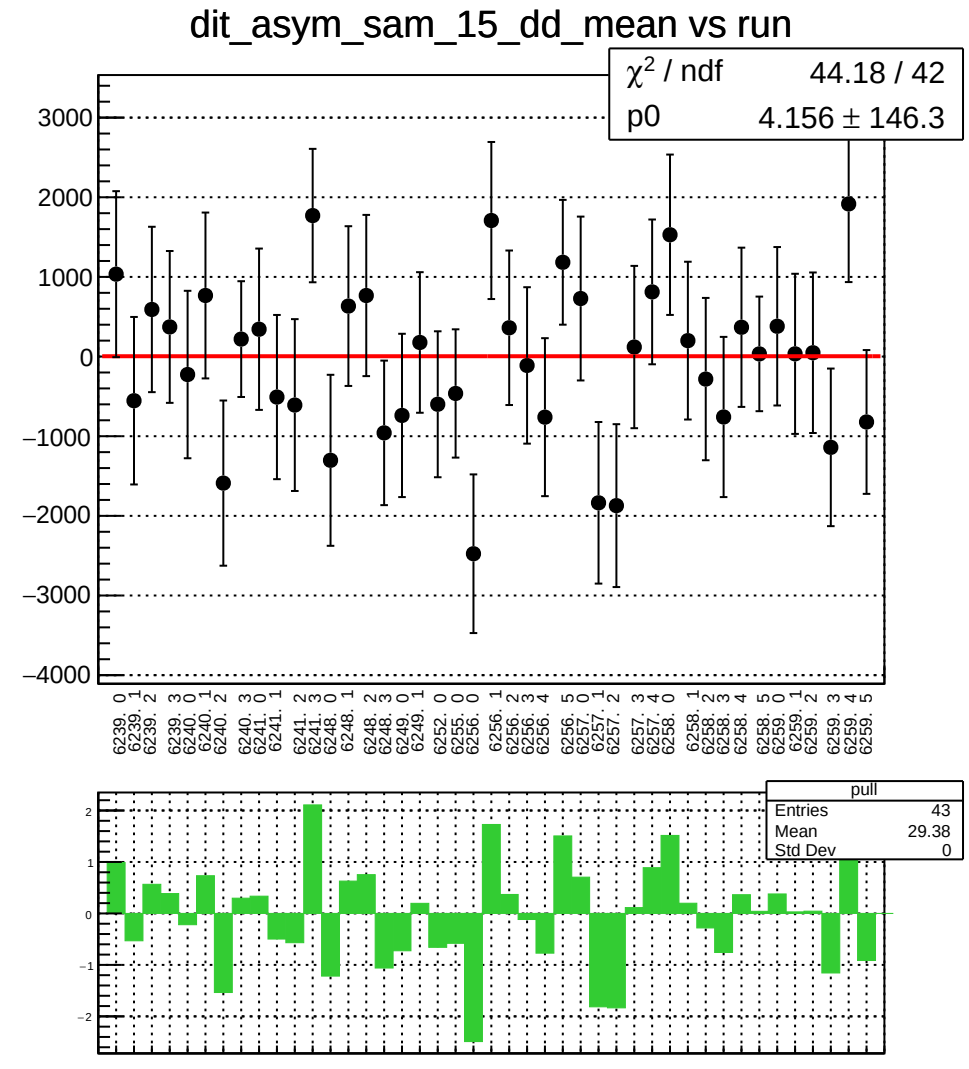

pull1D
Entries 43
Mean −0.02532
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

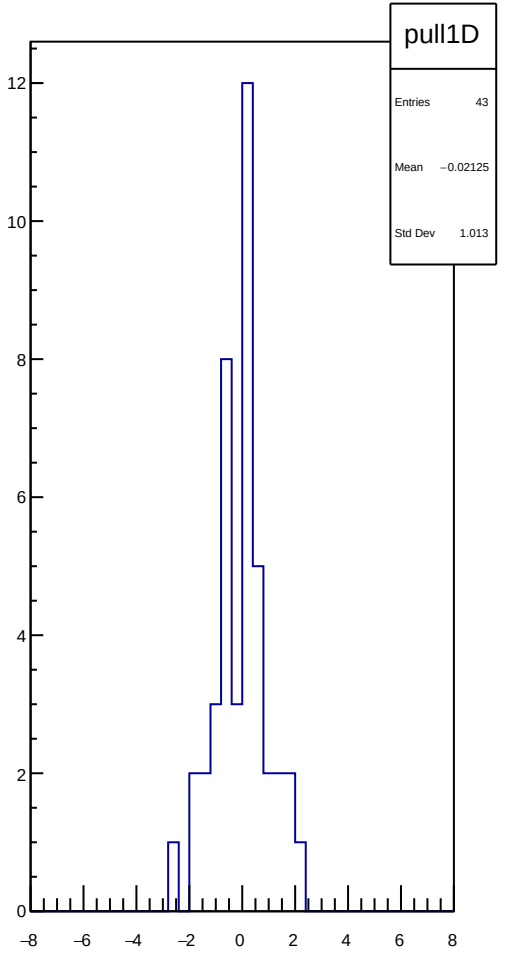

eigen_cor_asym_sam_15_dd_rms vs run
$\chi^2$ / ndf 260.3 / 42
p0 91.91 ± 0.09858
97
96
95
94
93
92
91
90
89
88
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

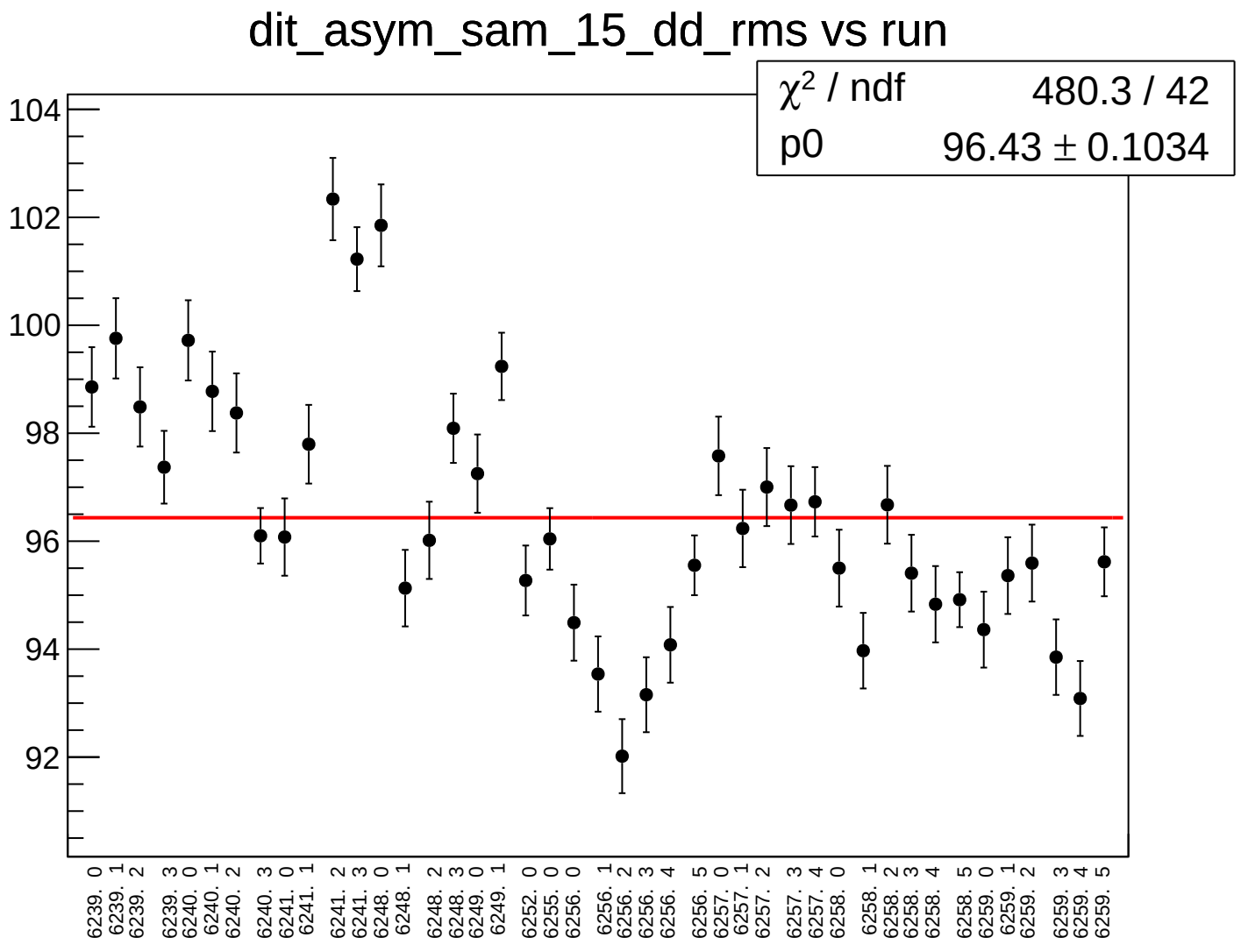

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.06 / 42
p0 −853.7 ± 1350
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 436.3
Std Dev 0
3
2
1
0
−1
−2

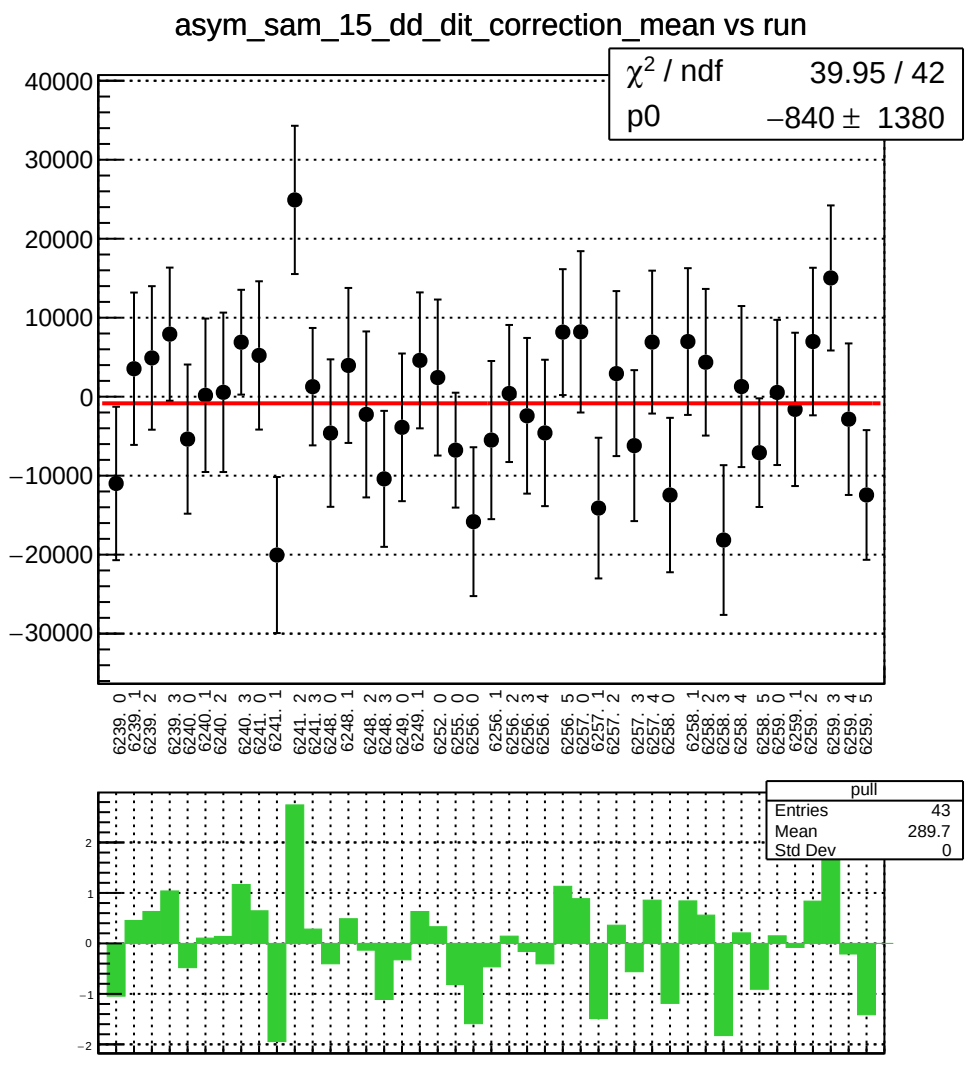

pull1D
Entries 43
Mean −0.0027
Std Dev 0.9652
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

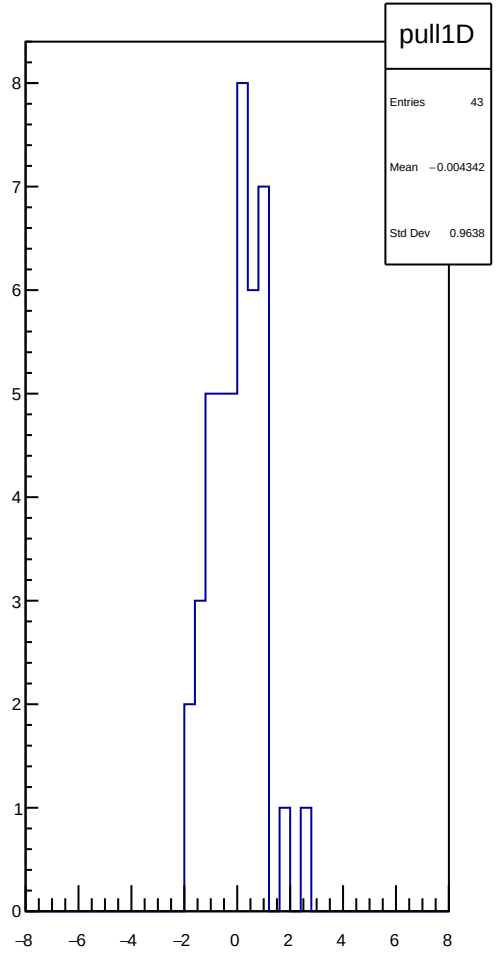

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1935 / 42
p0 889.2 ± 0.9546
1000
950
900
850
800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

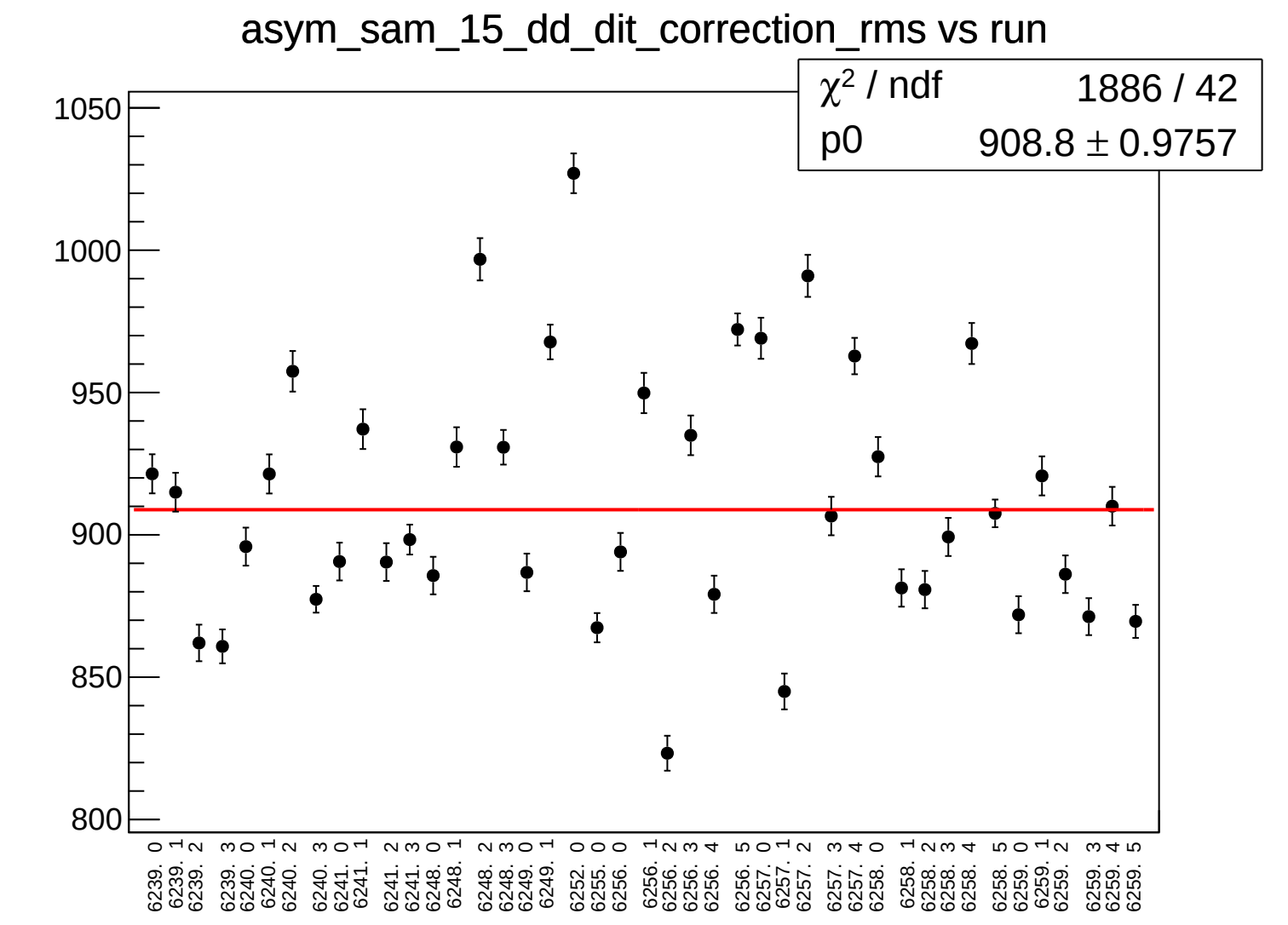

dit_asym_sam_15_dd_mean vs run
χ² / ndf 44.18 / 42
p0 4.156 ± 146.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.38
Std Dev 0
2
1
0
−1
−2

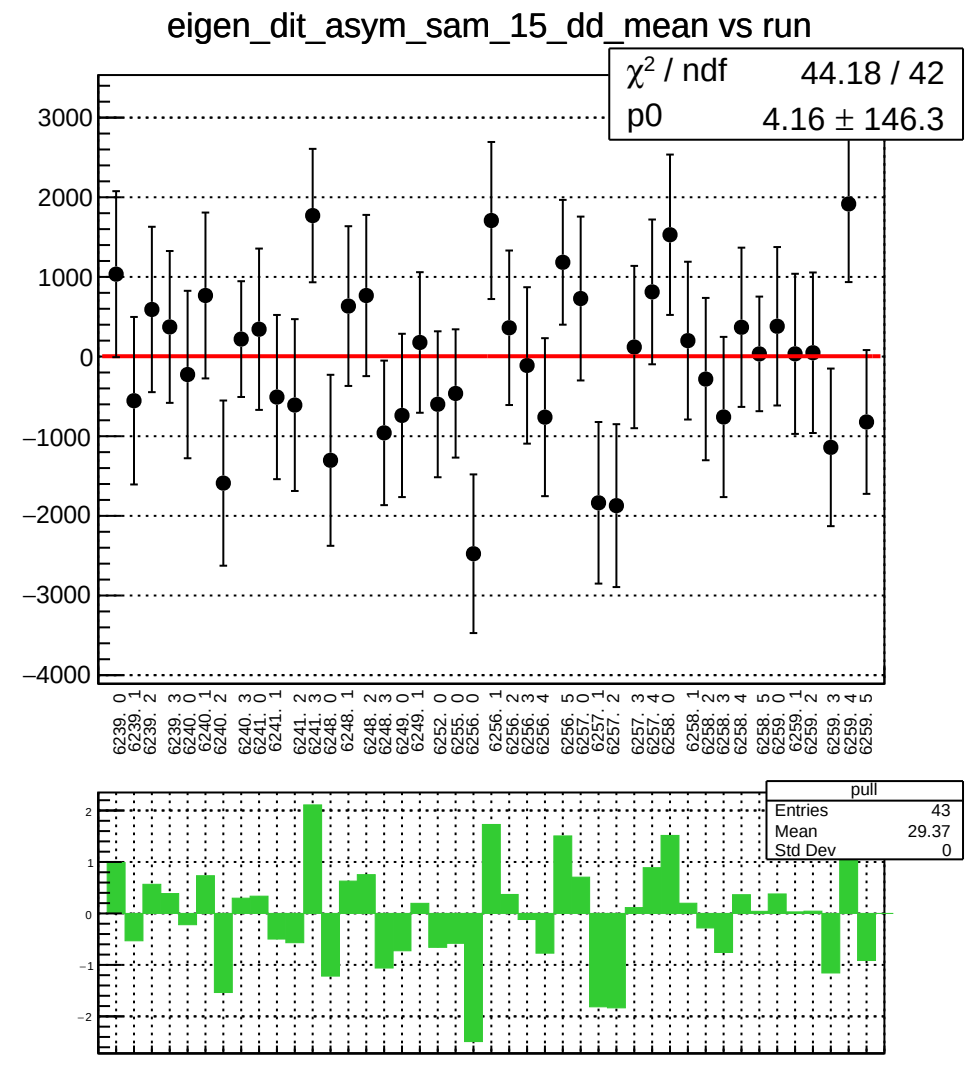

pull1D
Entries 43
Mean −0.02125
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

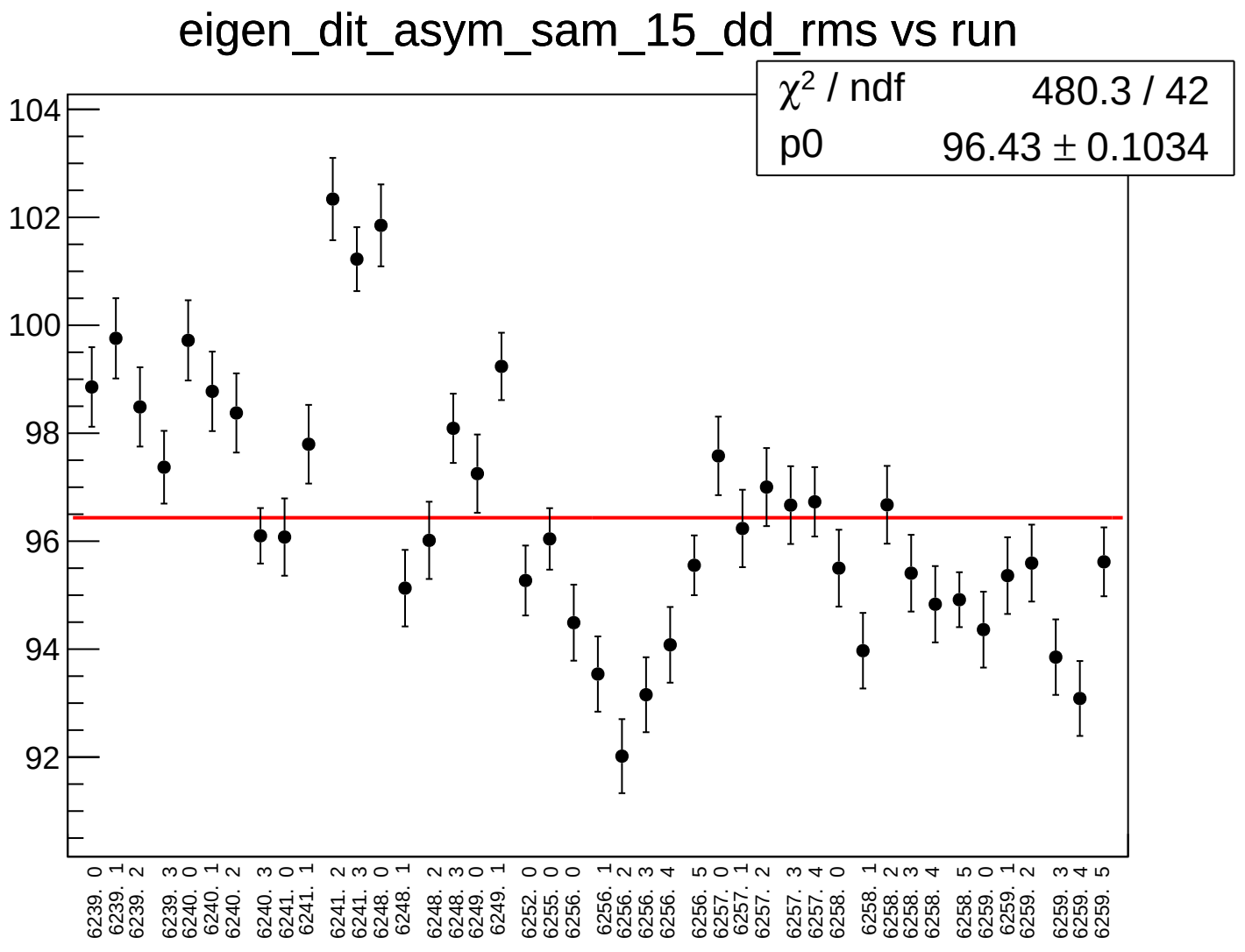

dit_asym_sam_15_dd_rms vs run
χ² / ndf 480.3 / 42
p0 96.43 ± 0.1034
104
102
100
98
96
94
92
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

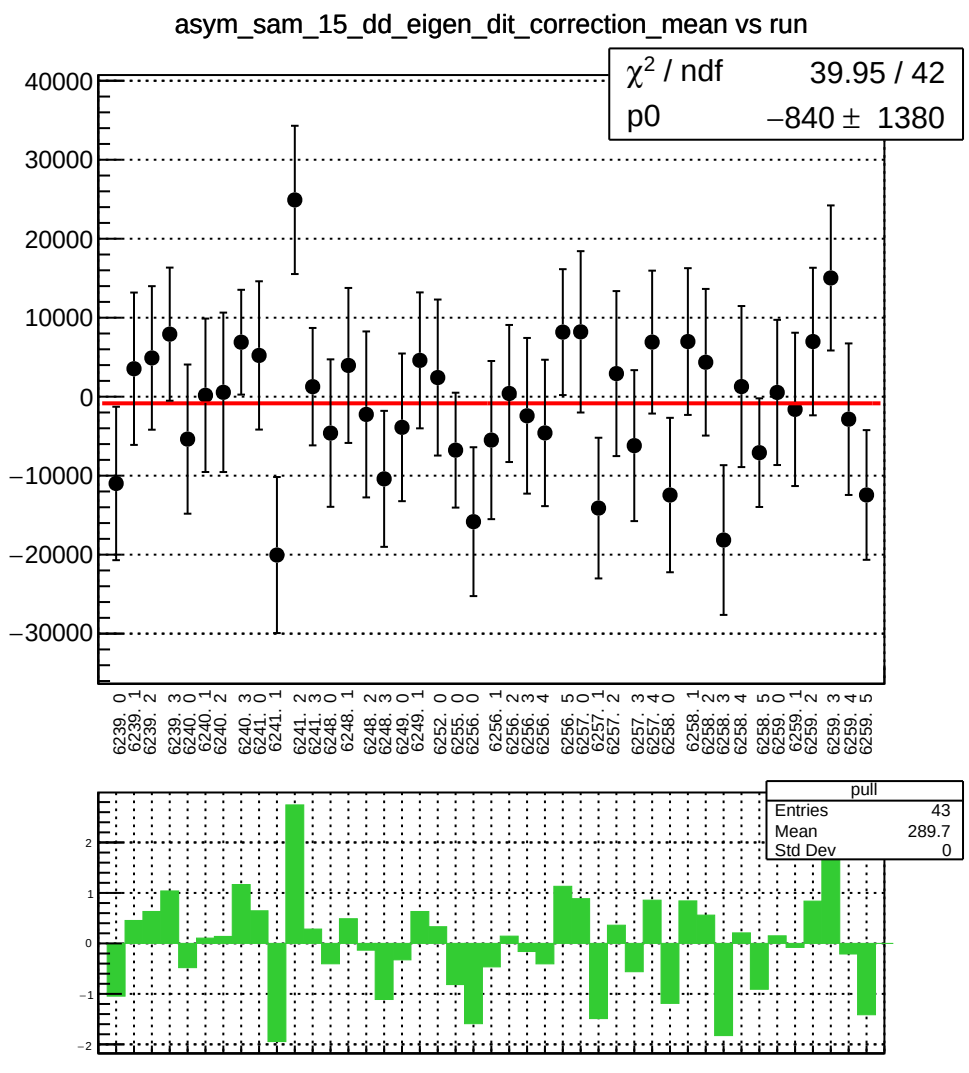

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 39.95 / 42
p0 −840 ± 1380
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 289.7
Std Dev 0
2
1
0
−1
−2

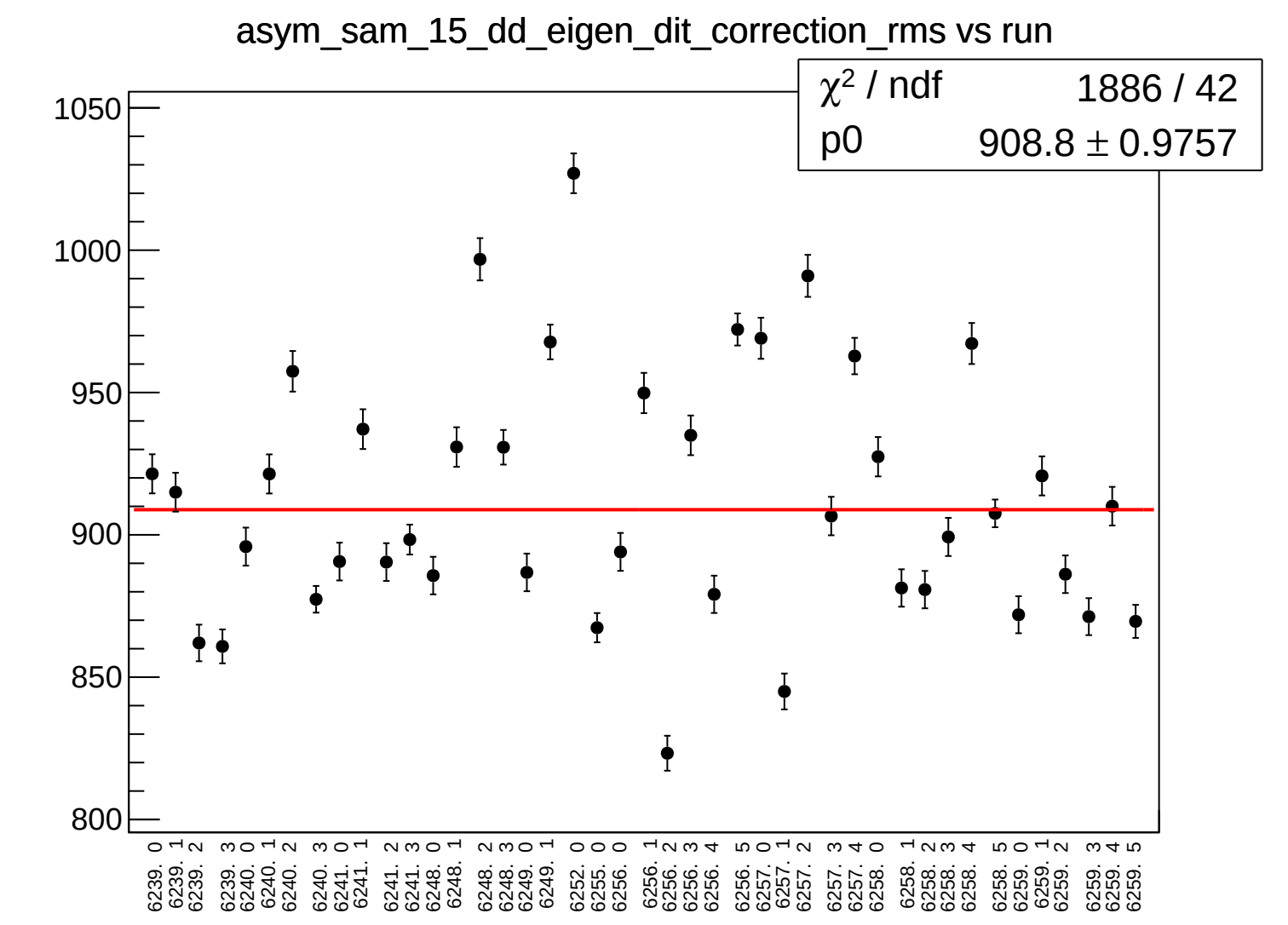

pull1D
Entries 43
Mean −0.004342
Std Dev 0.9638
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

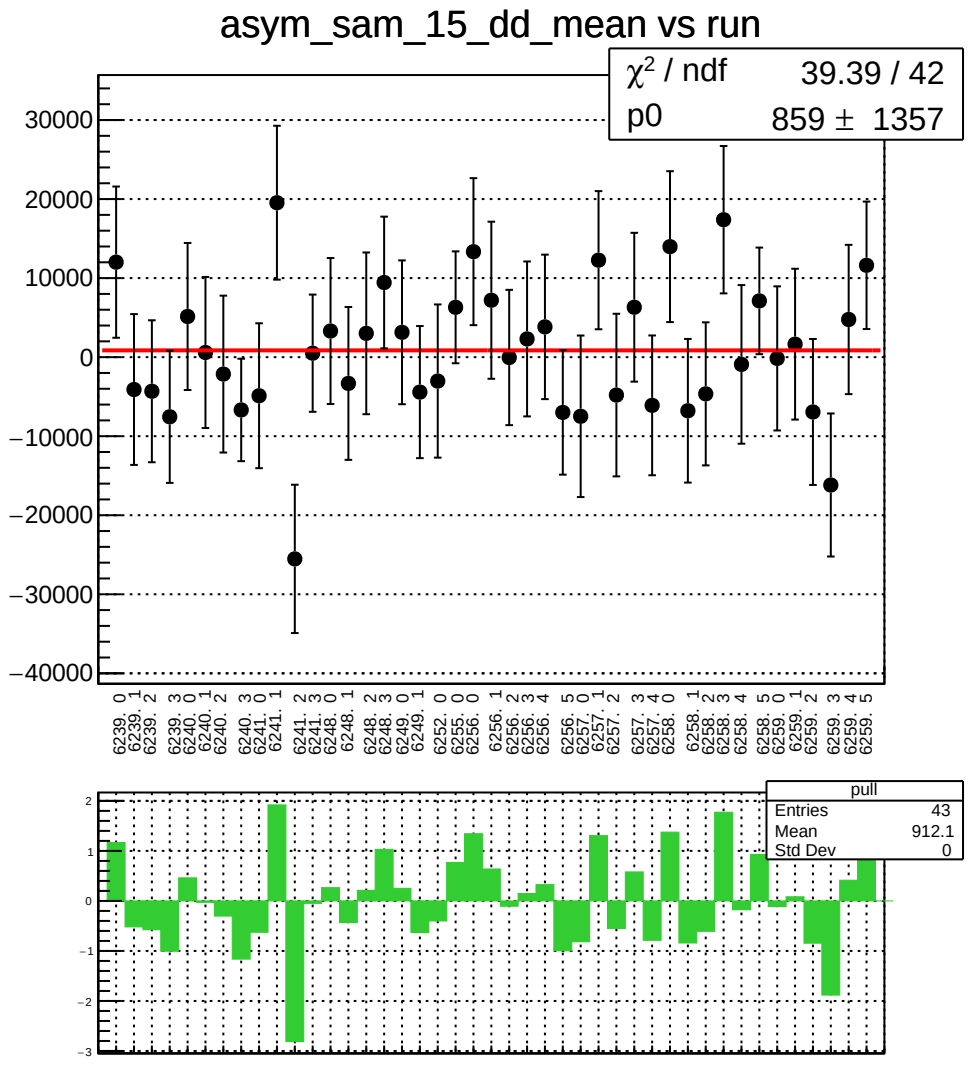

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1886 / 42
p0 908.8 ± 0.9757
1050
1000
950
900
850
800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

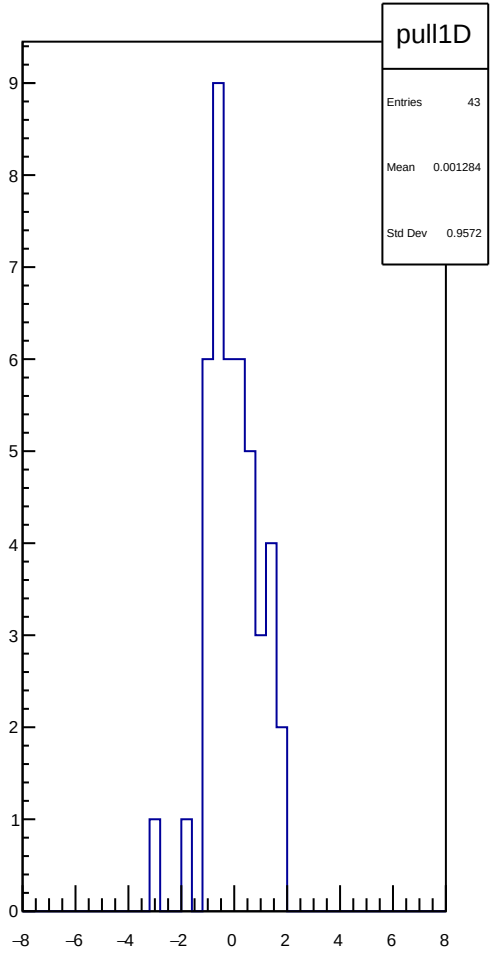

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 44.18 / 42
p0 4.16 ± 146.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.37
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.02125
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

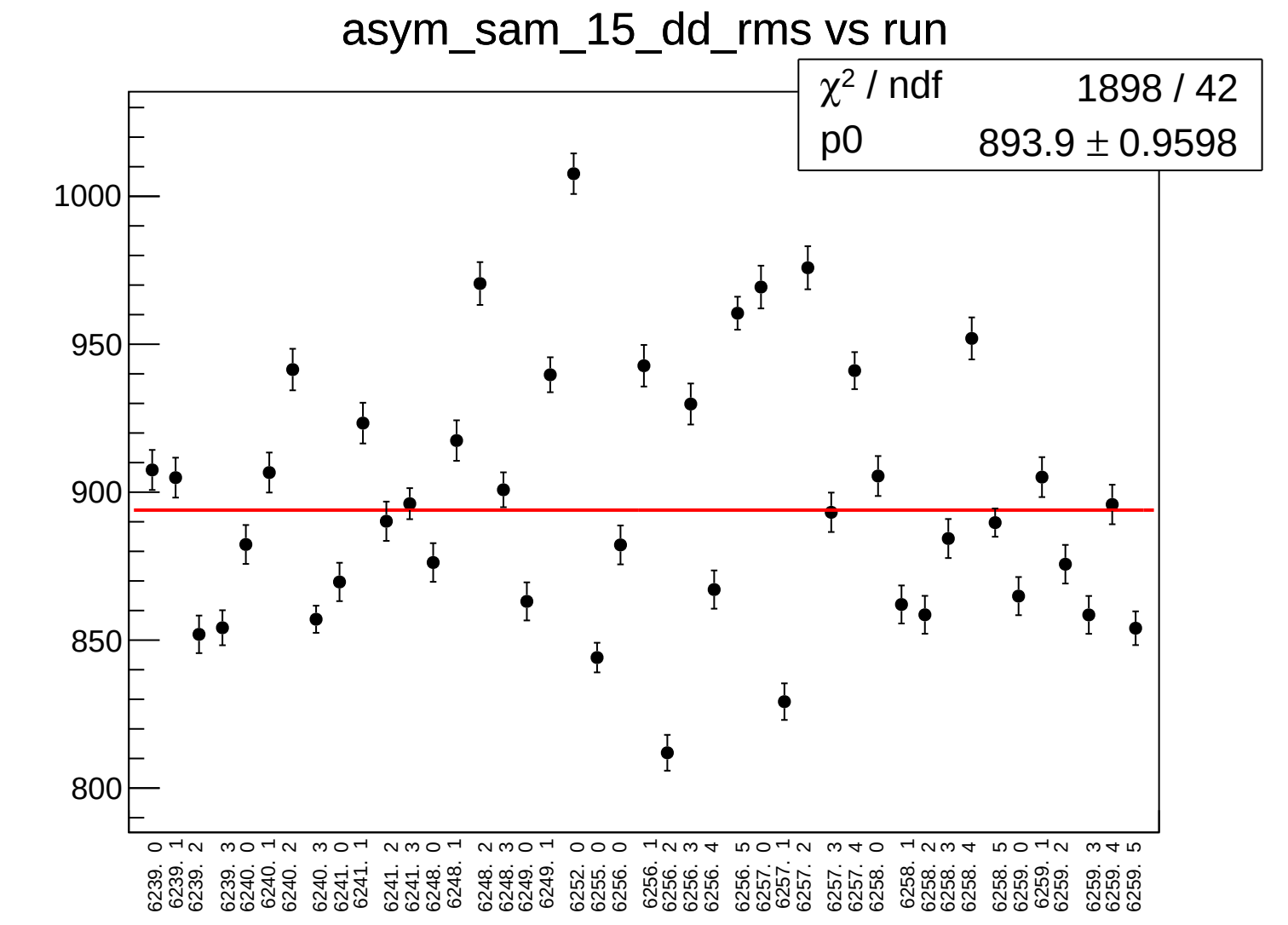

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 480.3 / 42
p0 96.43 ± 0.1034
104
102
100
98
96
94
92
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

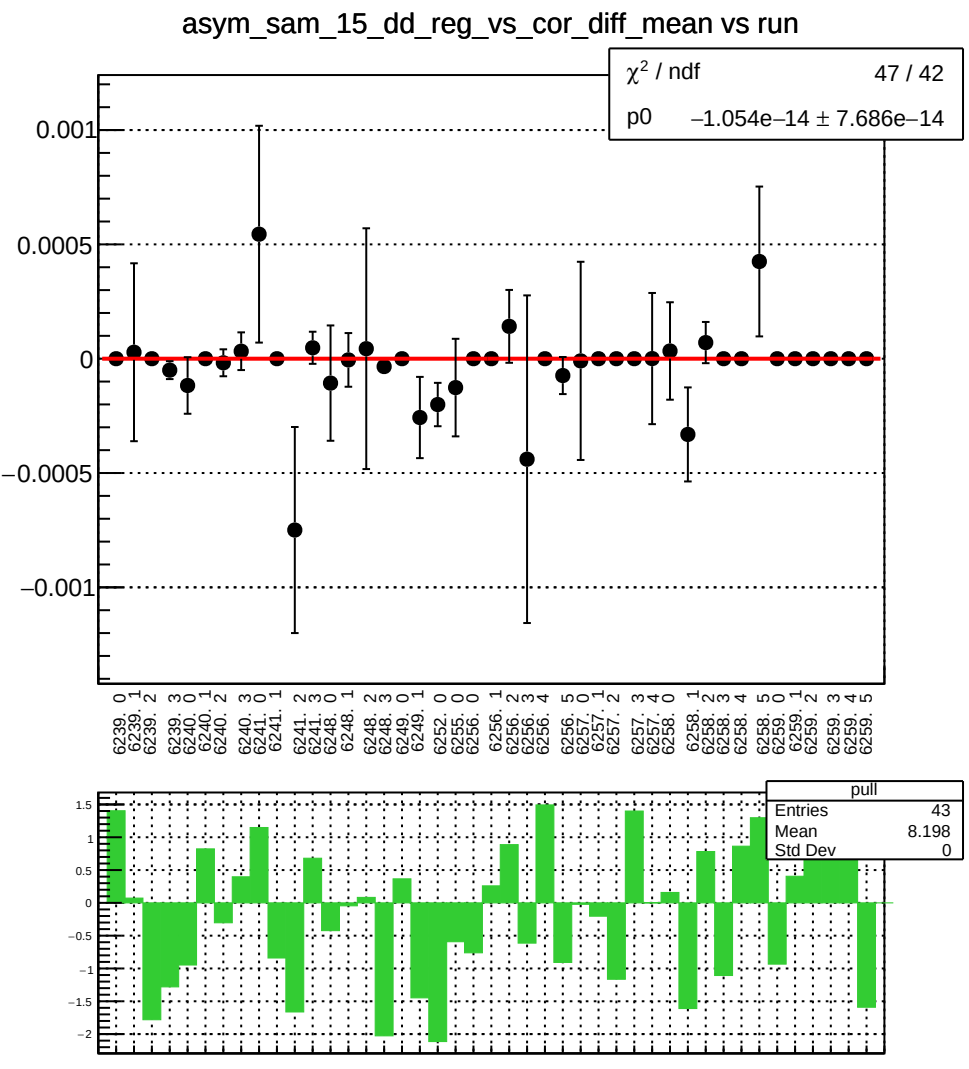

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.95 / 42
p0 −840 ± 1380
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 289.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.004342
Std Dev 0.9638
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

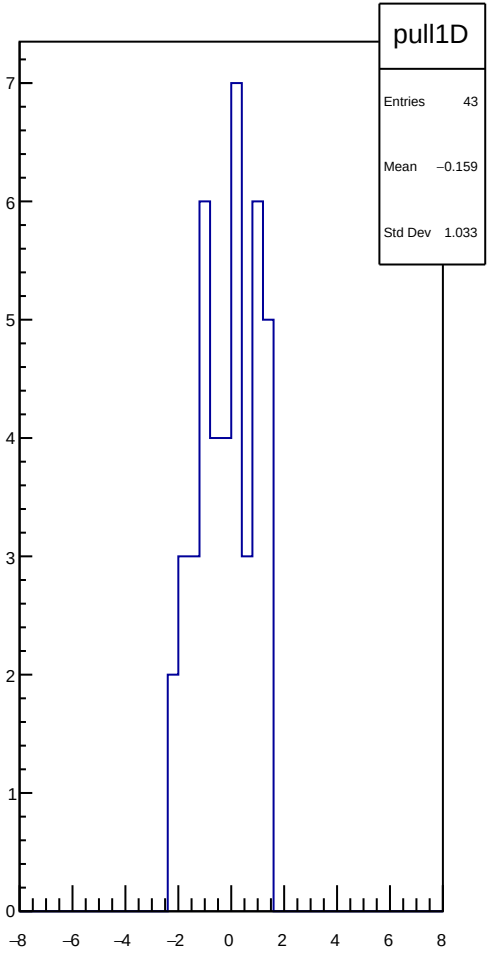

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1886 / 42
p0 908.8 ± 0.9757
1050
1000
950
900
850
800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

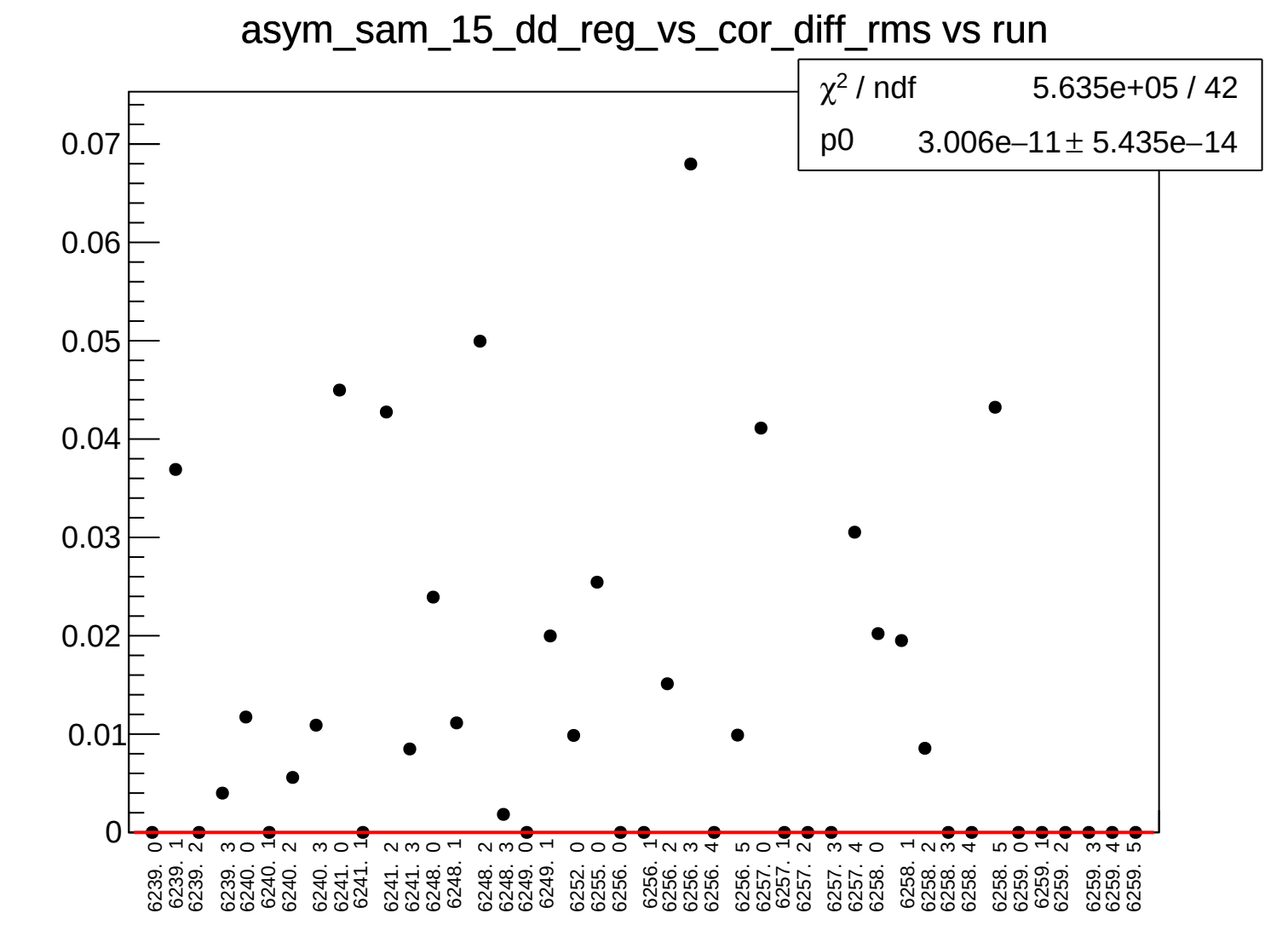

asym_sam_15_dd_mean vs run
χ² / ndf 39.39 / 42
p0 859 ± 1357
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 912.1
Std Dev 0
2
1
0
−1
−2
−3

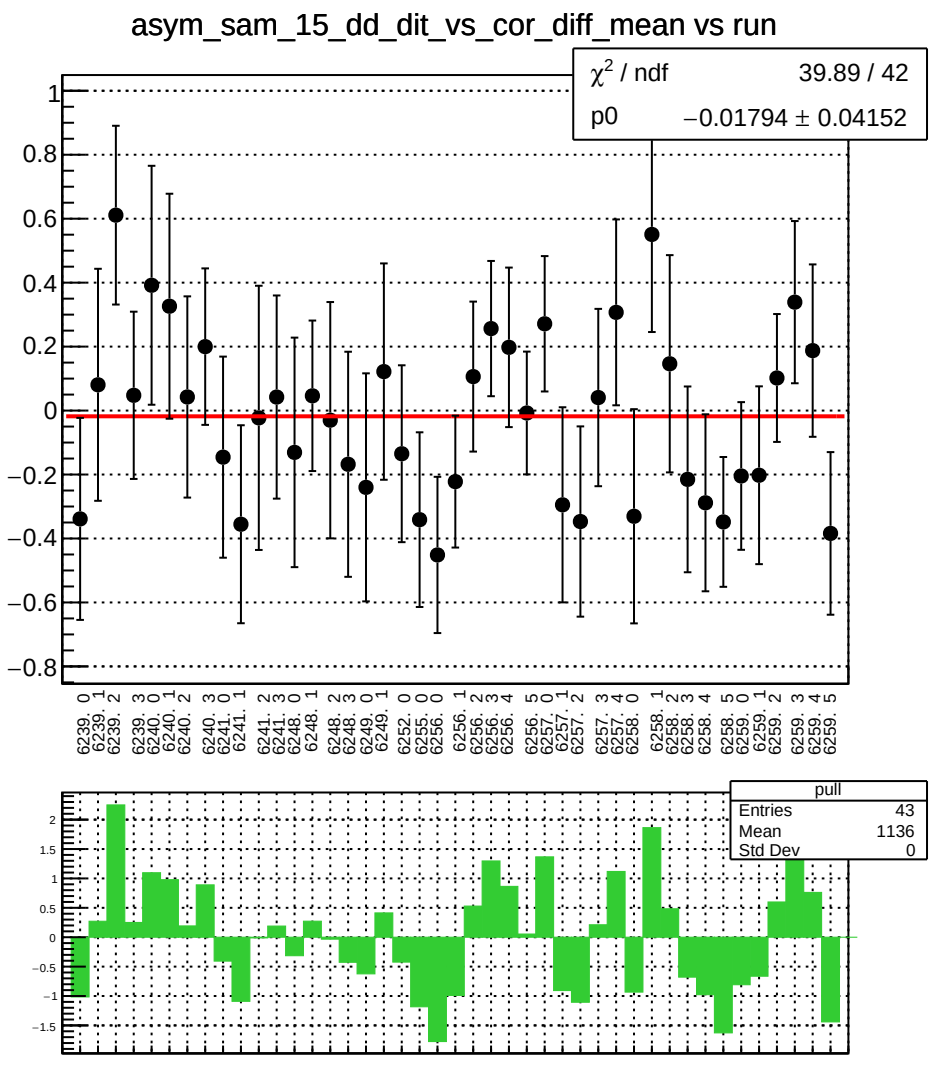

pull1D
Entries 43
Mean 0.001284
Std Dev 0.9572
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

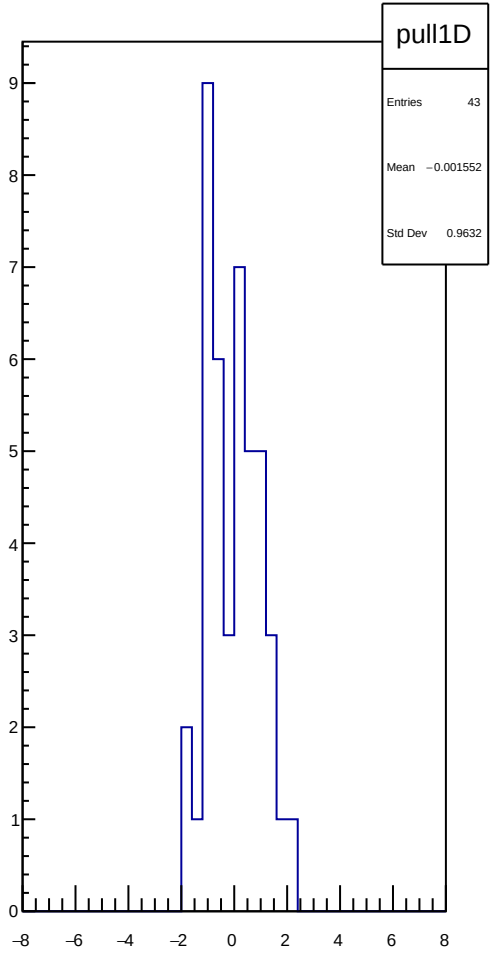

asym_sam_15_dd_rms vs run
χ² / ndf 1898 / 42
p0 893.9 ± 0.9598
1000
950
900
850
800
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

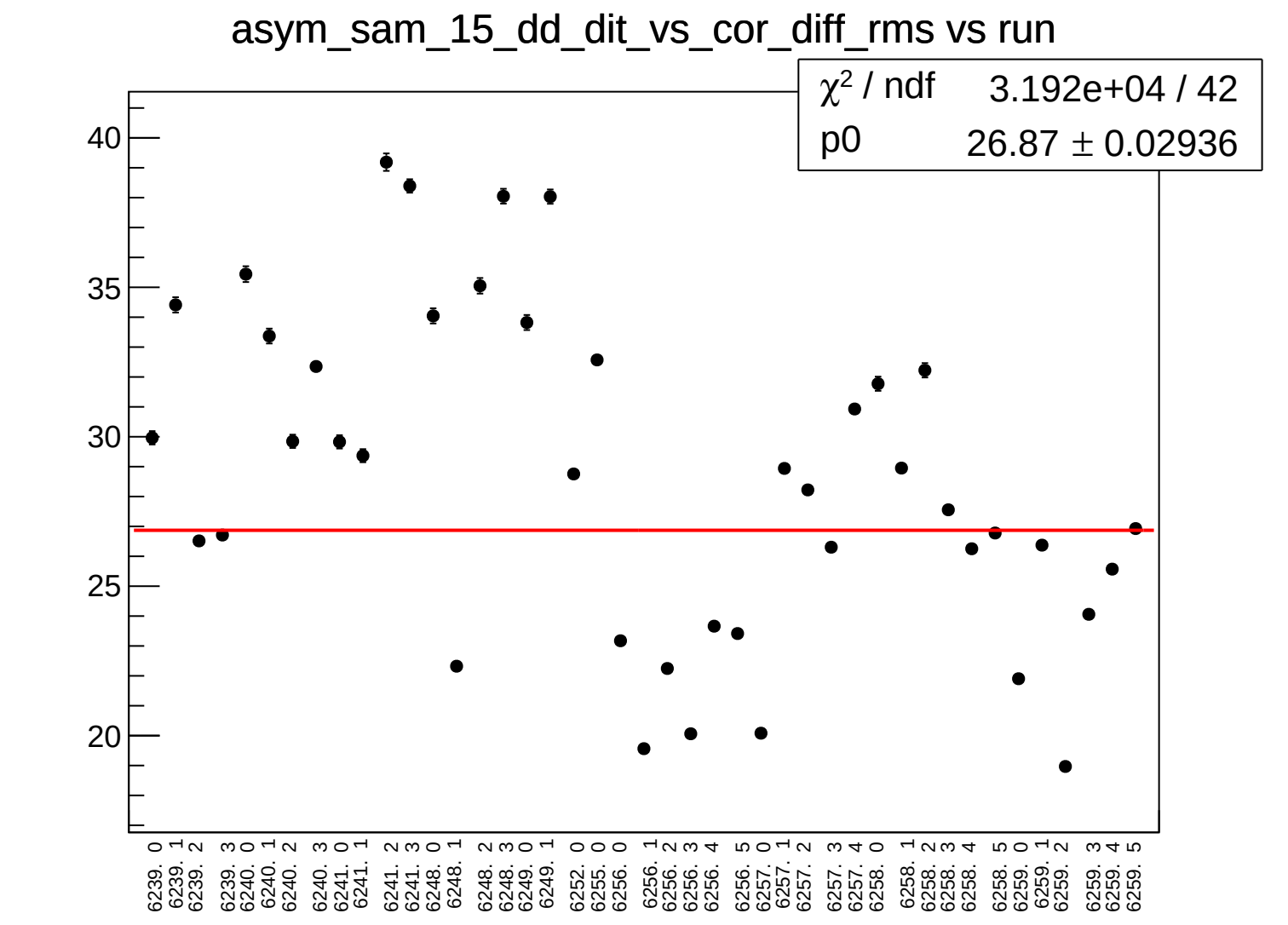

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47 / 42
p0 −1.054e−14 ± 7.686e−14
0.001
0.0005
0
−0.0005
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 8.198
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

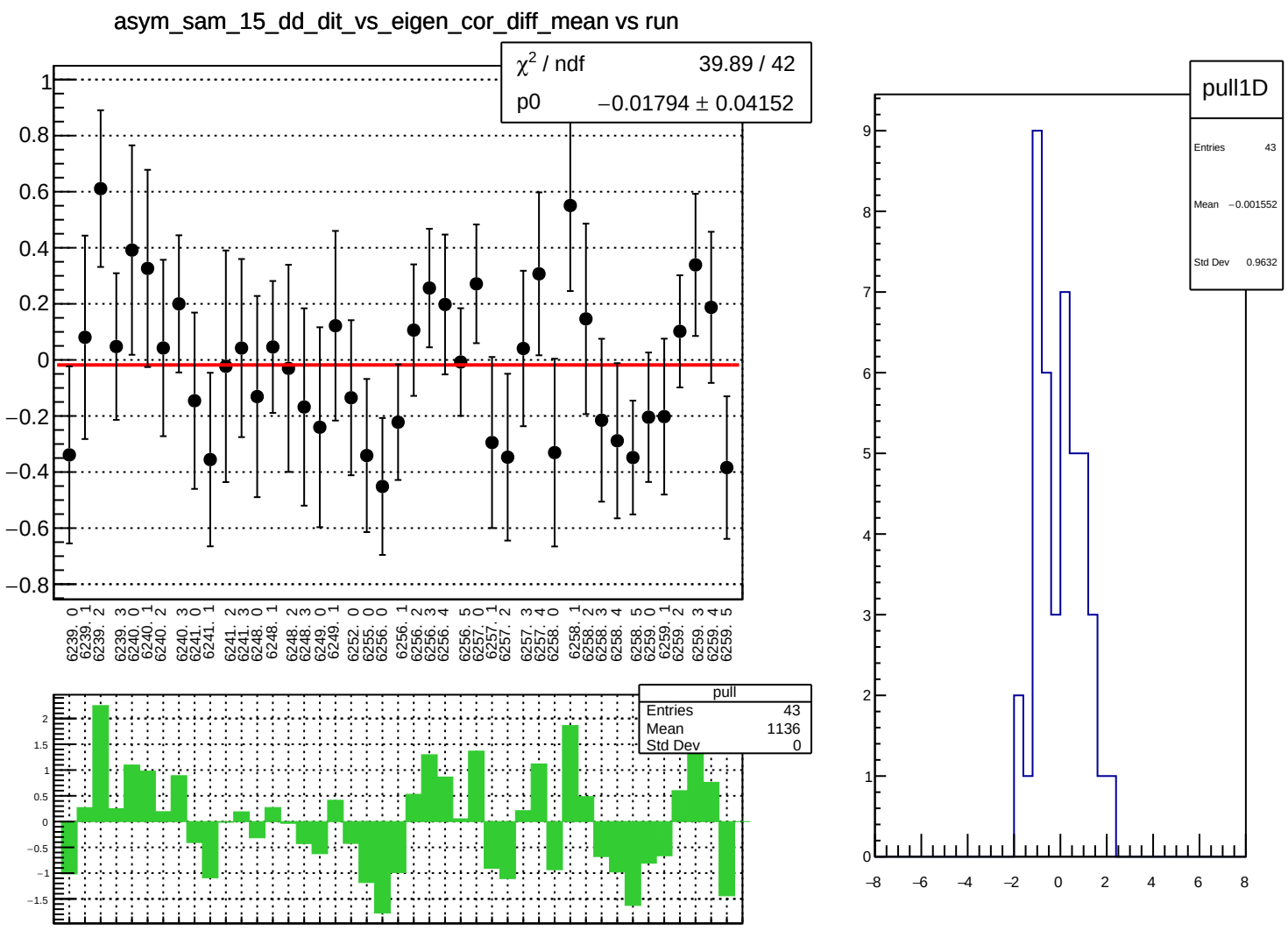

pull1D
Entries 43
Mean −0.159
Std Dev 1.033
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

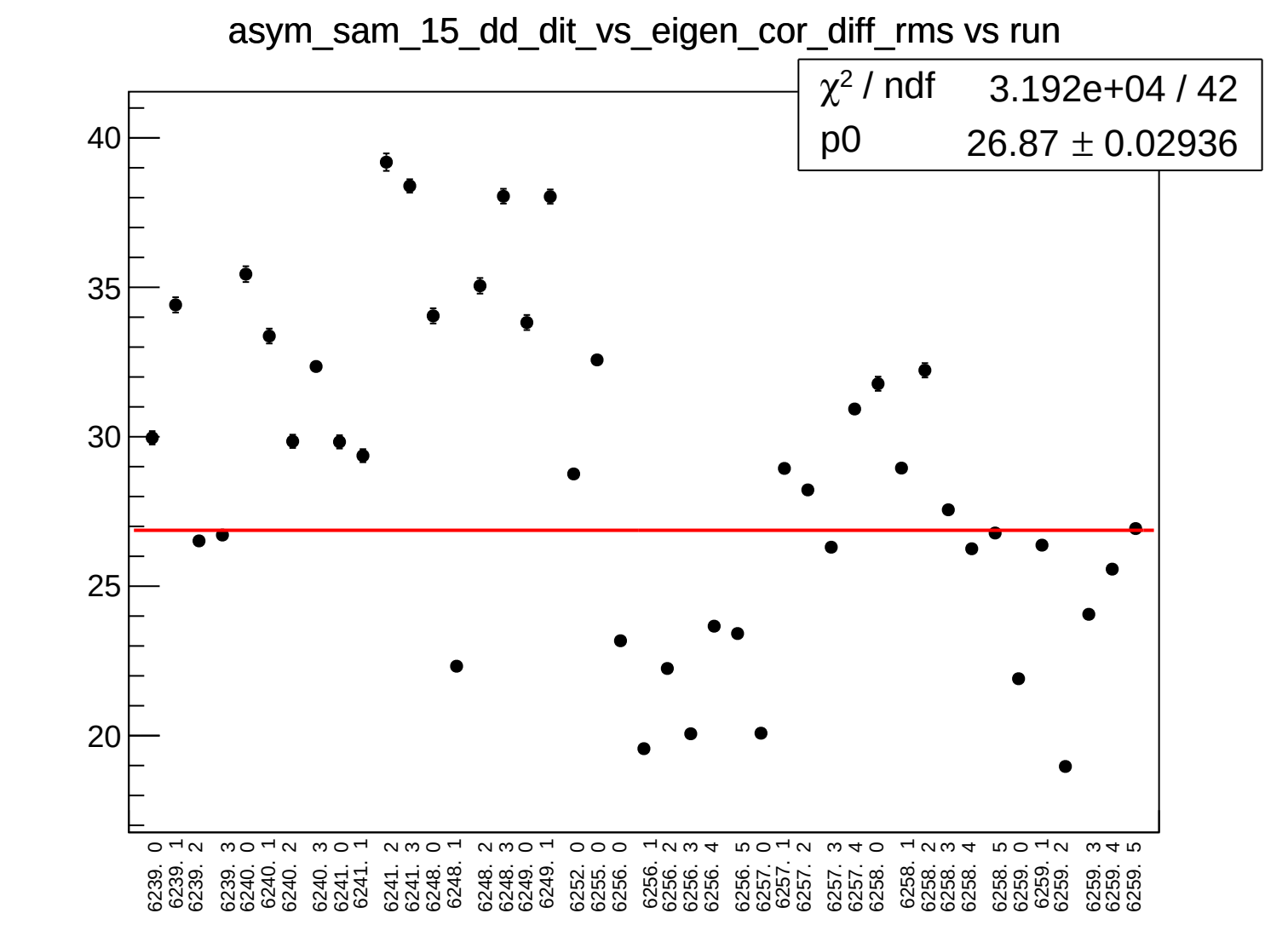

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.635e+05 / 42
p0 3.006e−11 ± 5.435e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

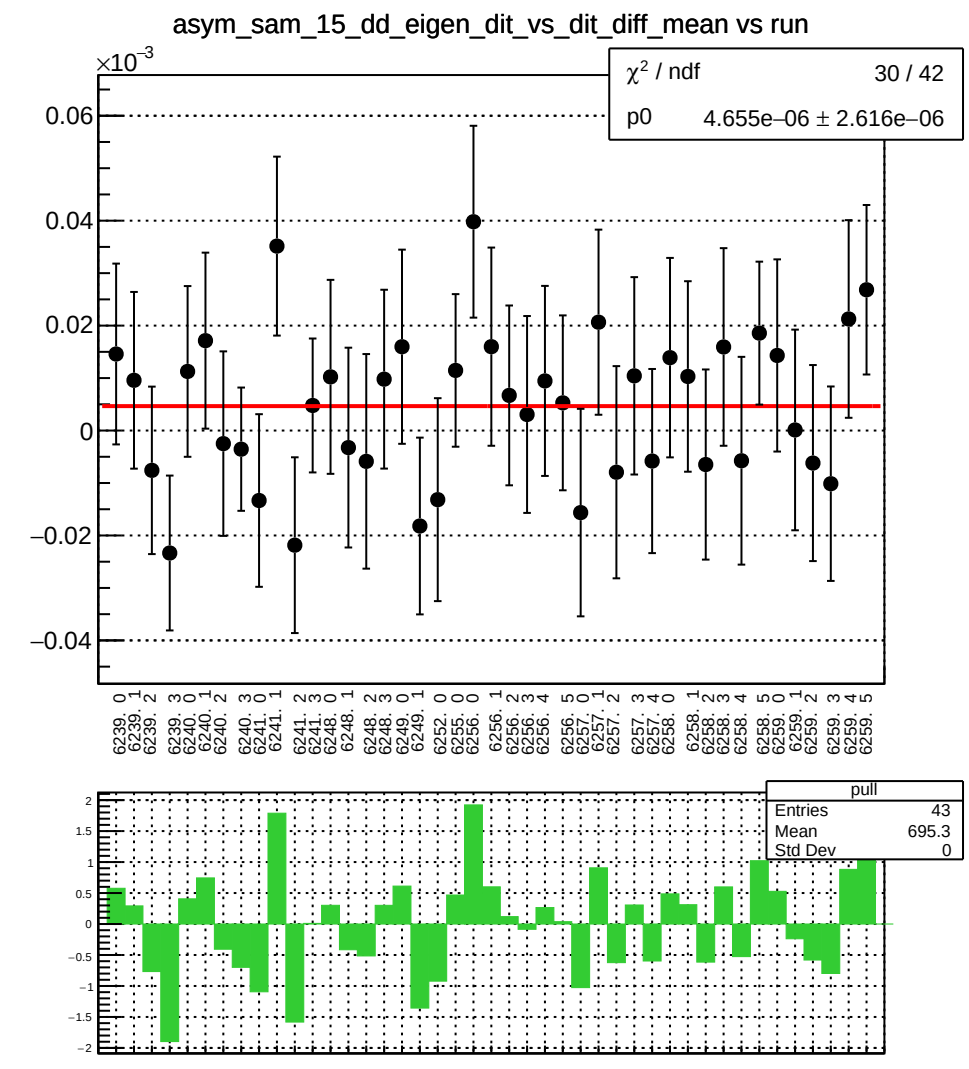

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.89 / 42
p0 −0.01794 ± 0.04152
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1136
Std Dev 0

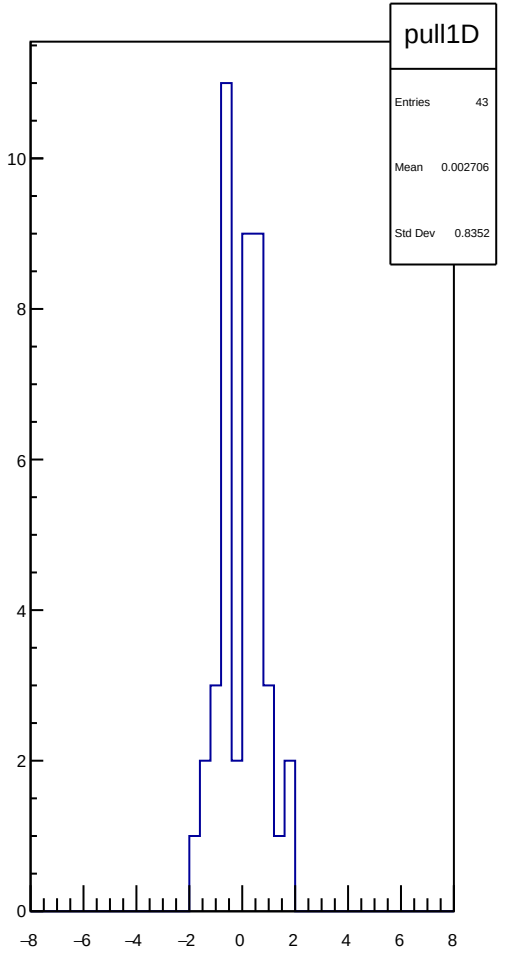

pull1D
Entries 43
Mean −0.001552
Std Dev 0.9632

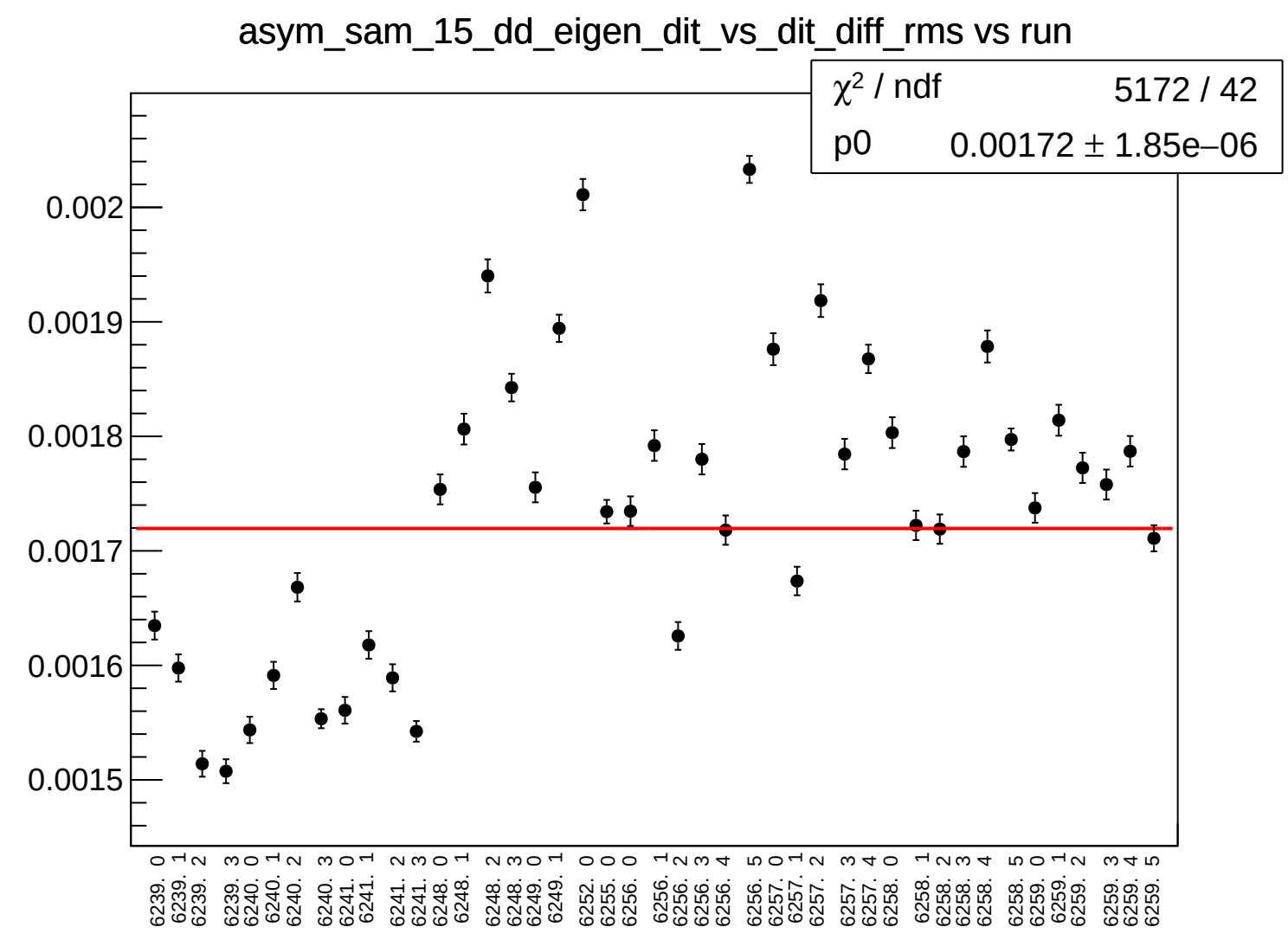

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.192e+04 / 42
p0 26.87 ± 0.02936
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

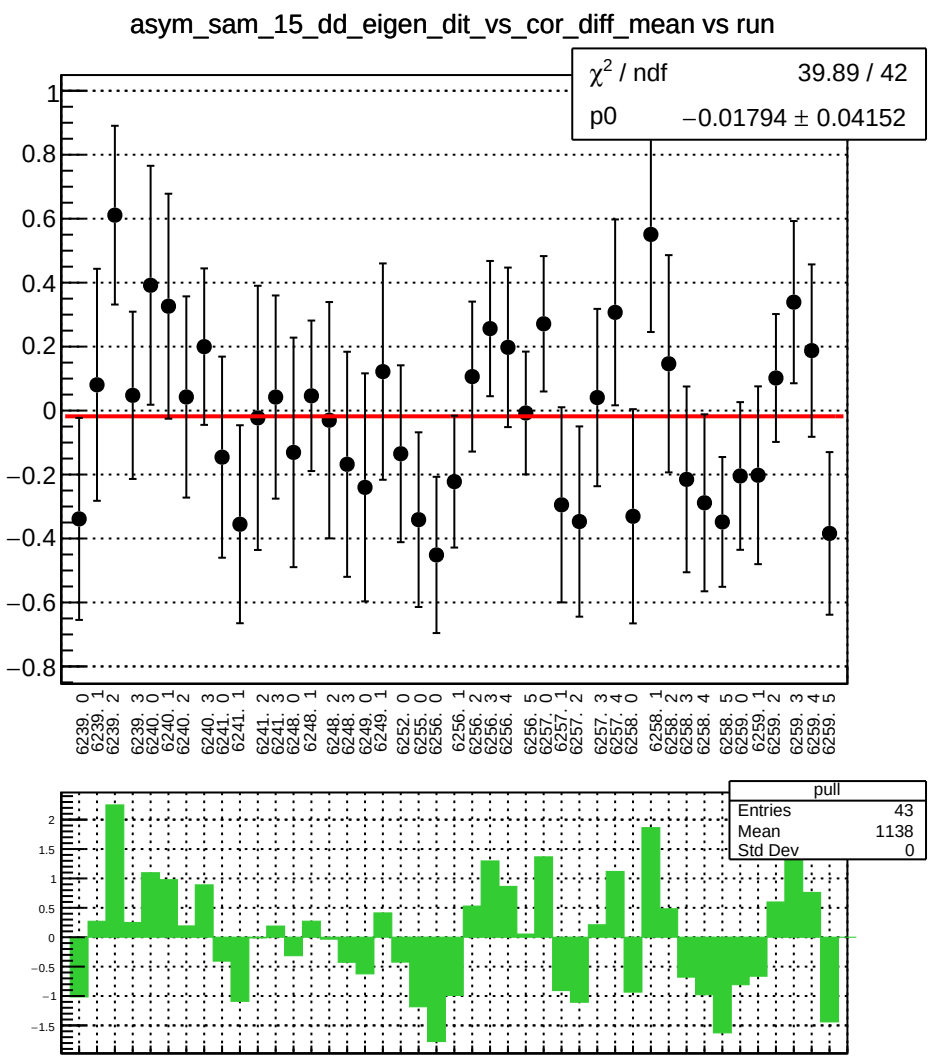

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.89 / 42
p0 −0.01794 ± 0.04152
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1136
Std Dev 0
pull1D
Entries 43
Mean −0.001552
Std Dev 0.9632

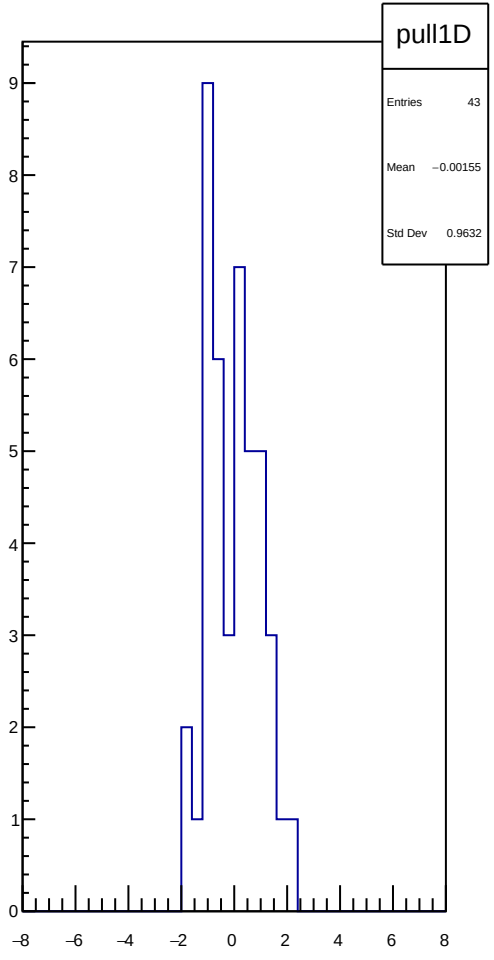

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.192e+04 / 42
p0 26.87 ± 0.02936
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

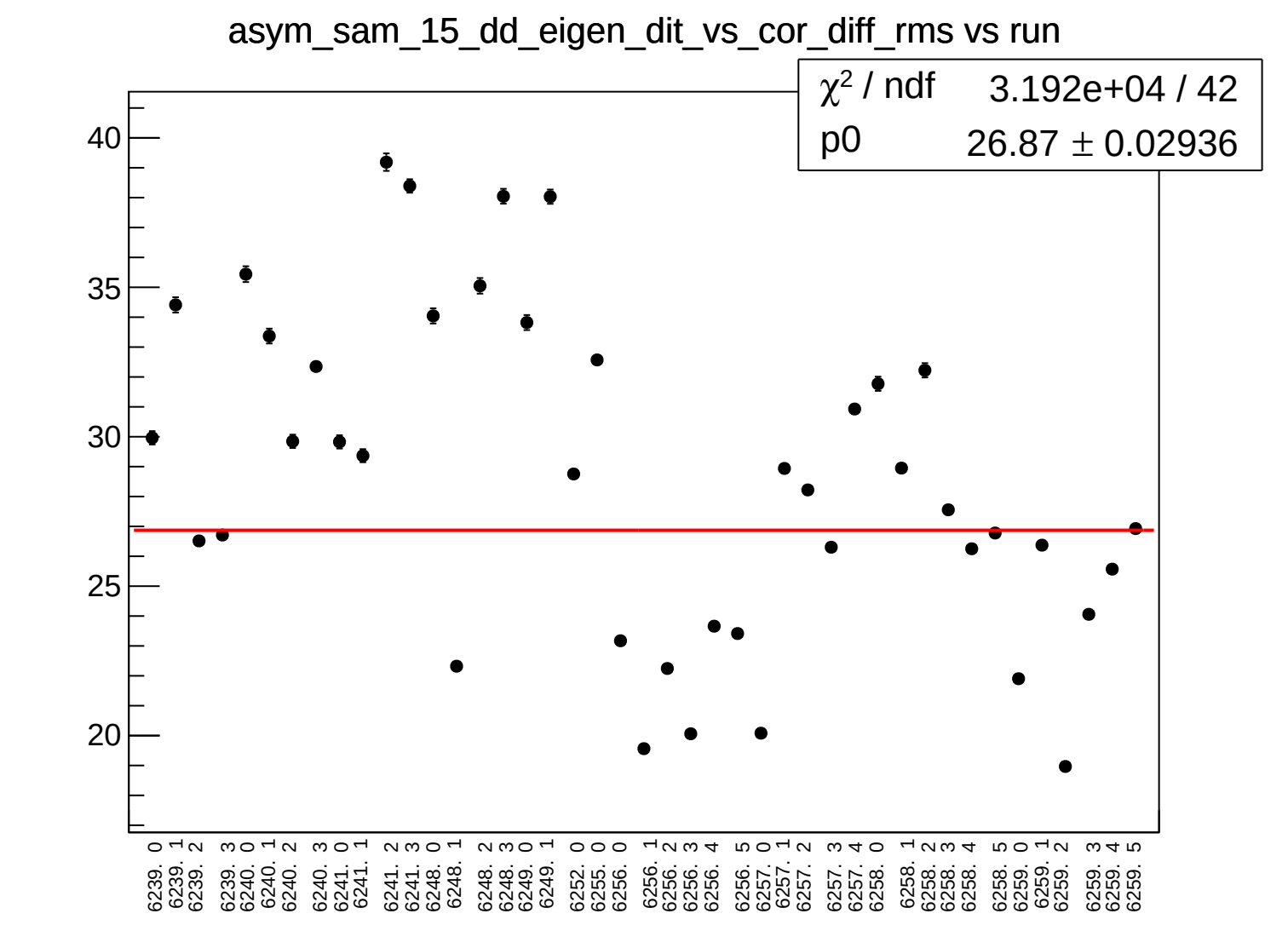

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30 / 42
p0 4.655e−06 ± 2.616e−06
0.06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 695.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

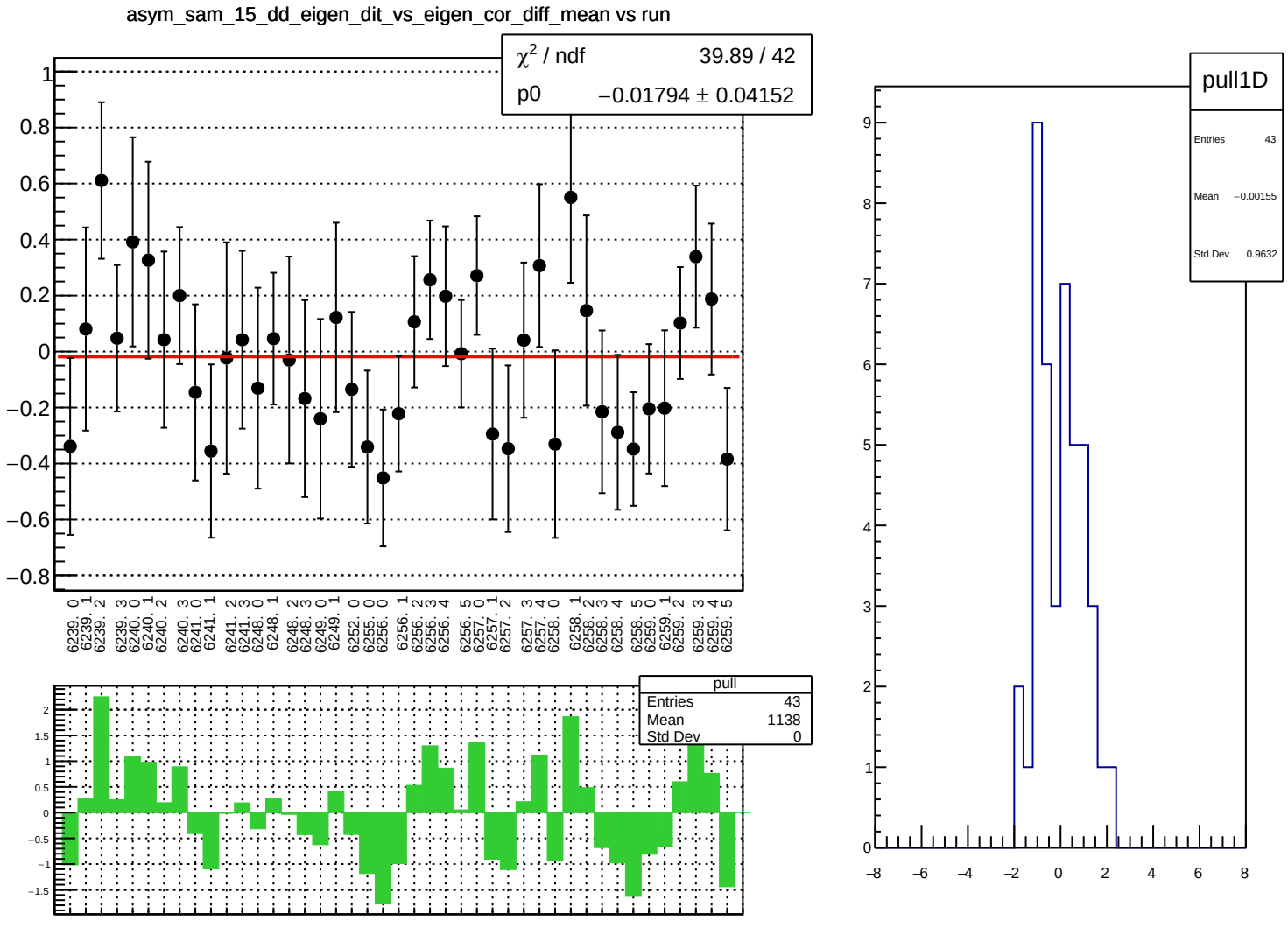

pull1D
Entries 43
Mean 0.002706
Std Dev 0.8352
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

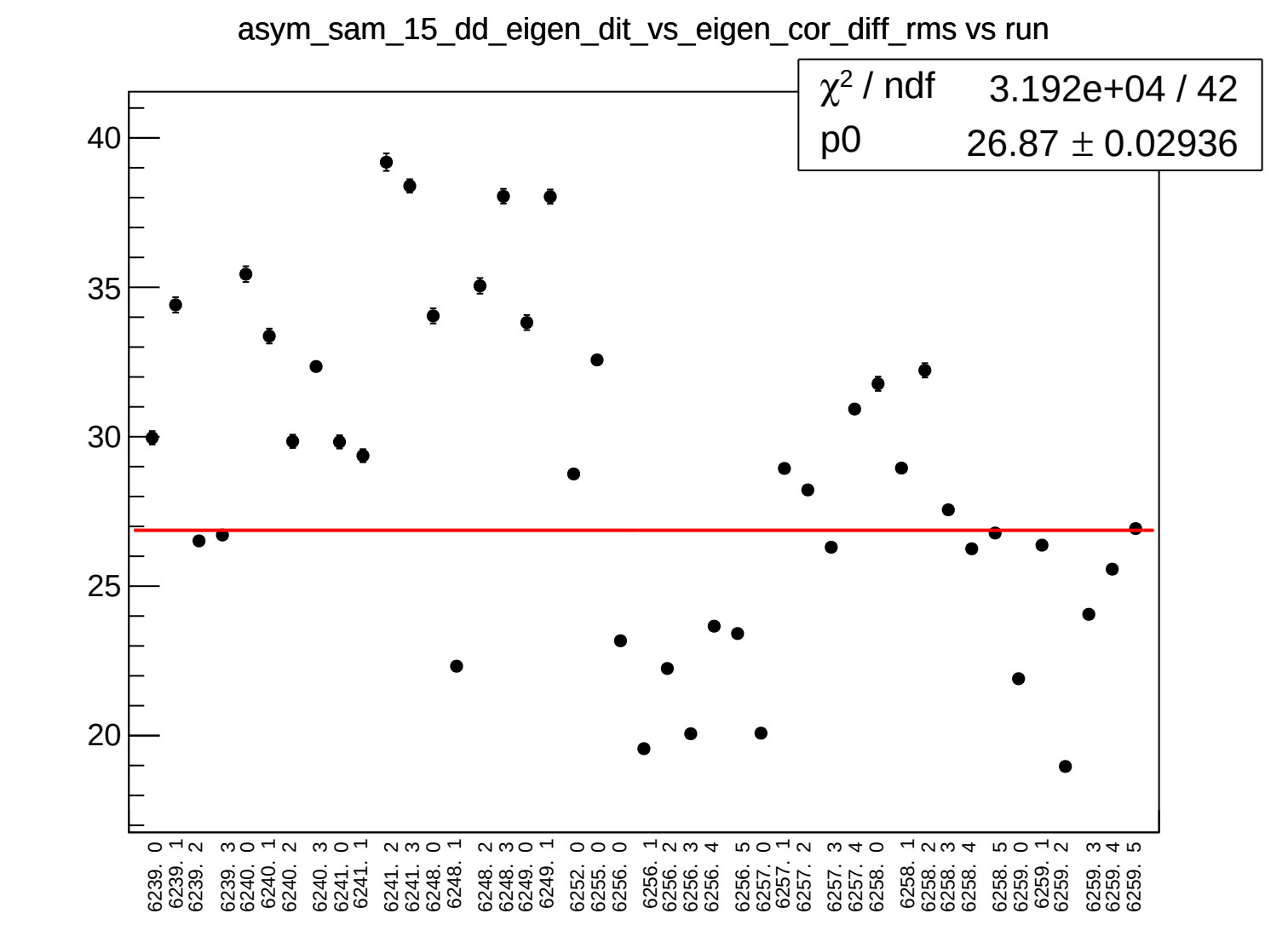

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5172 / 42
p0 0.00172 ± 1.85e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

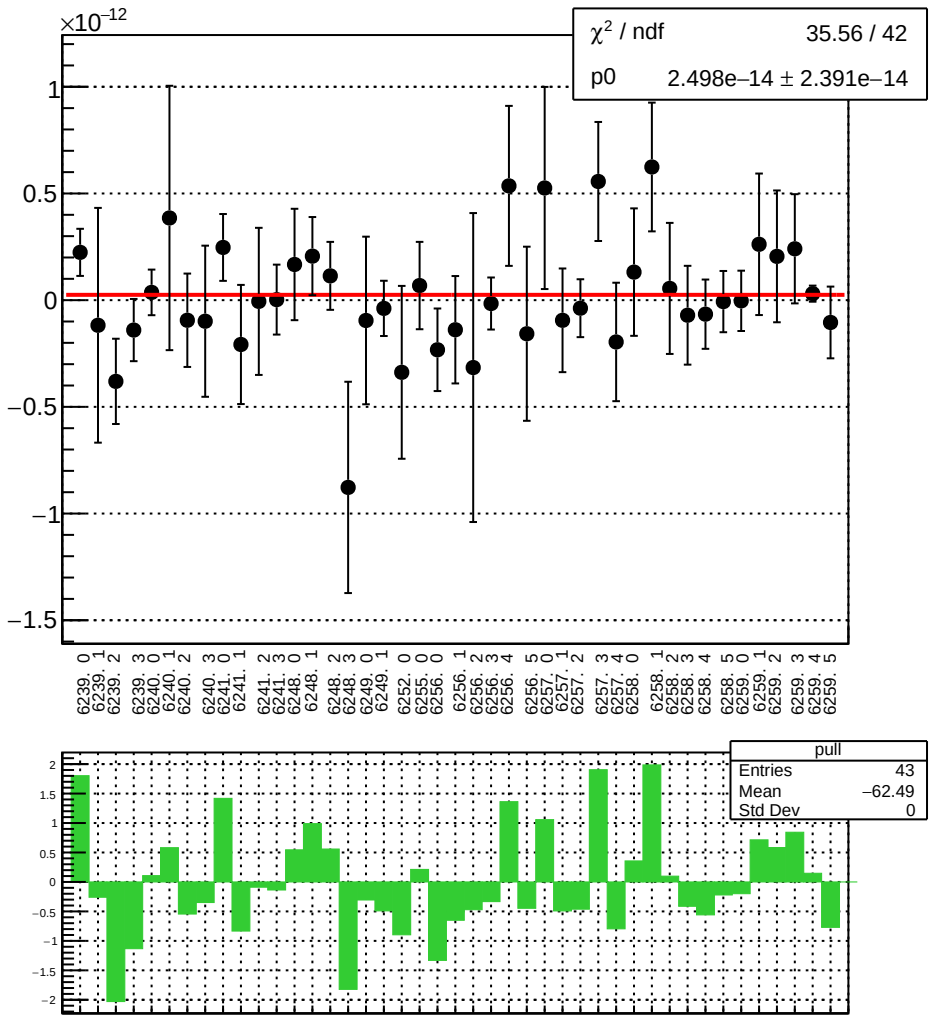

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.89 / 42
p0 −0.01794 ± 0.04152
pull
Entries 43
Mean 1138
Std Dev 0

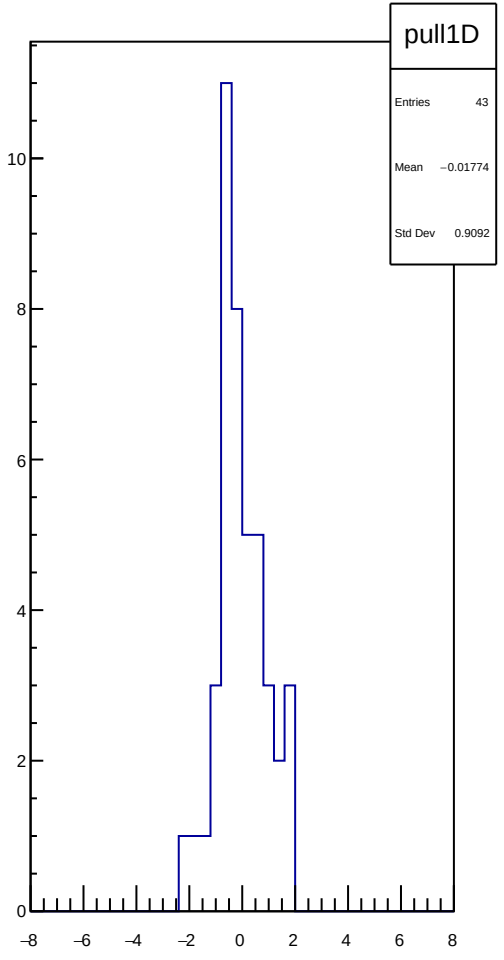

pull1D
Entries 43
Mean −0.00155
Std Dev 0.9632

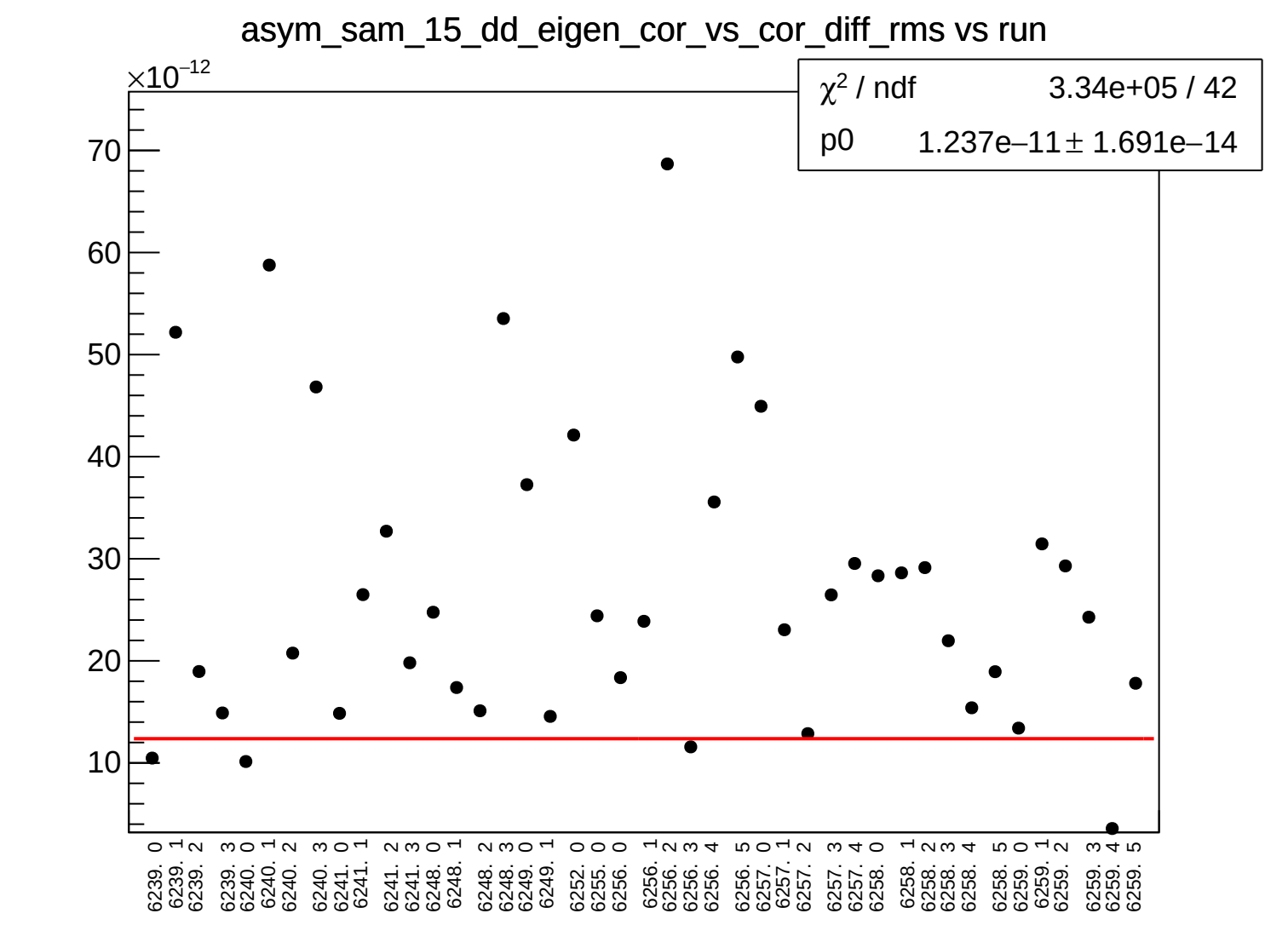

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.192e+04 / 42
p0 26.87 ± 0.02936
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

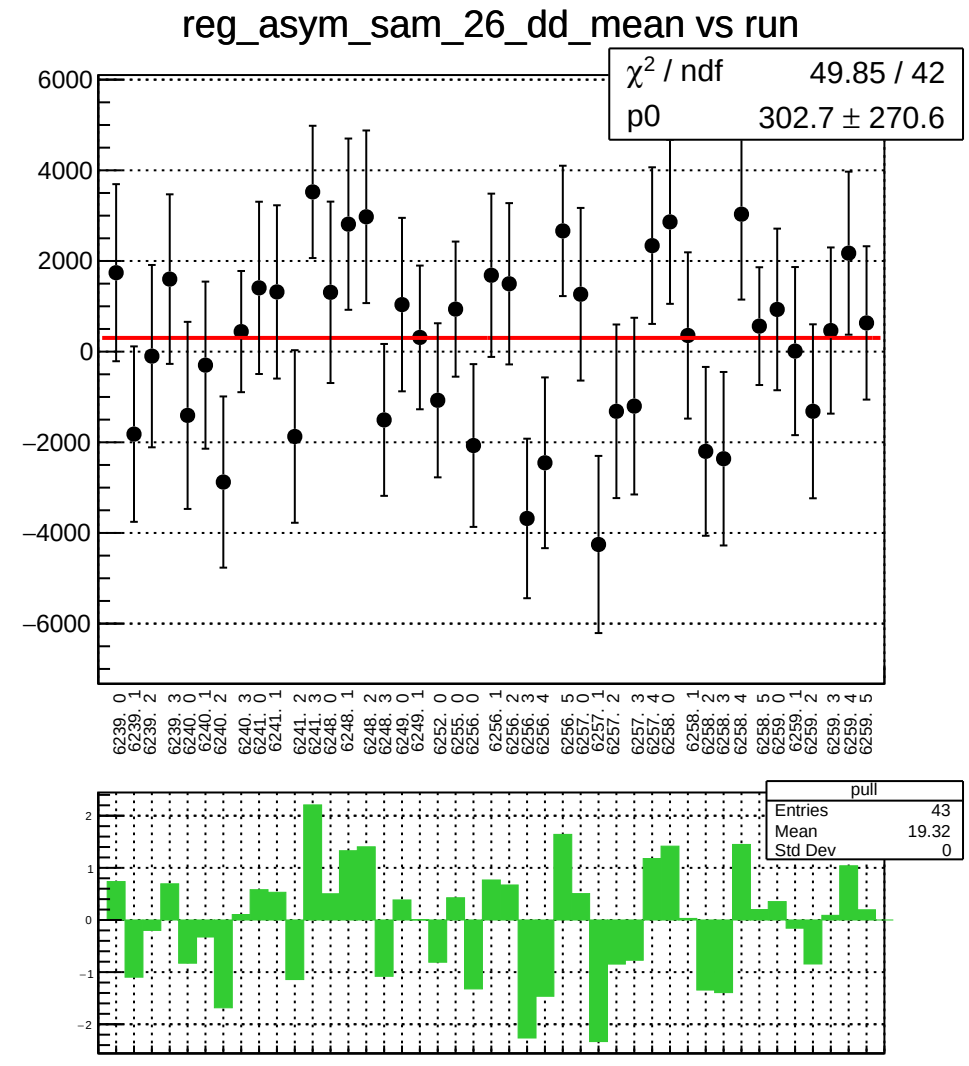

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.89 / 42
p0 −0.01794 ± 0.04152
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1138
Std Dev 0
pull1D
Entries 43
Mean −0.00155
Std Dev 0.9632

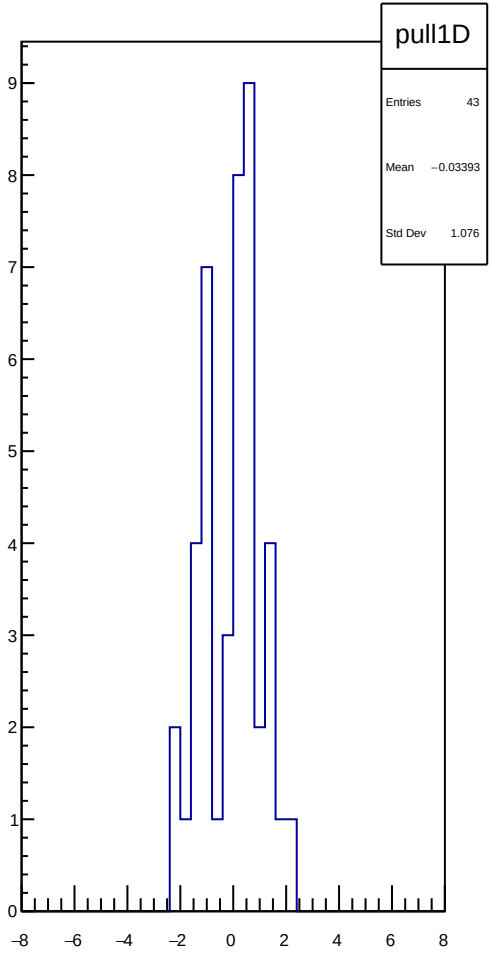

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.192e+04 / 42
p0 26.87 ± 0.02936
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

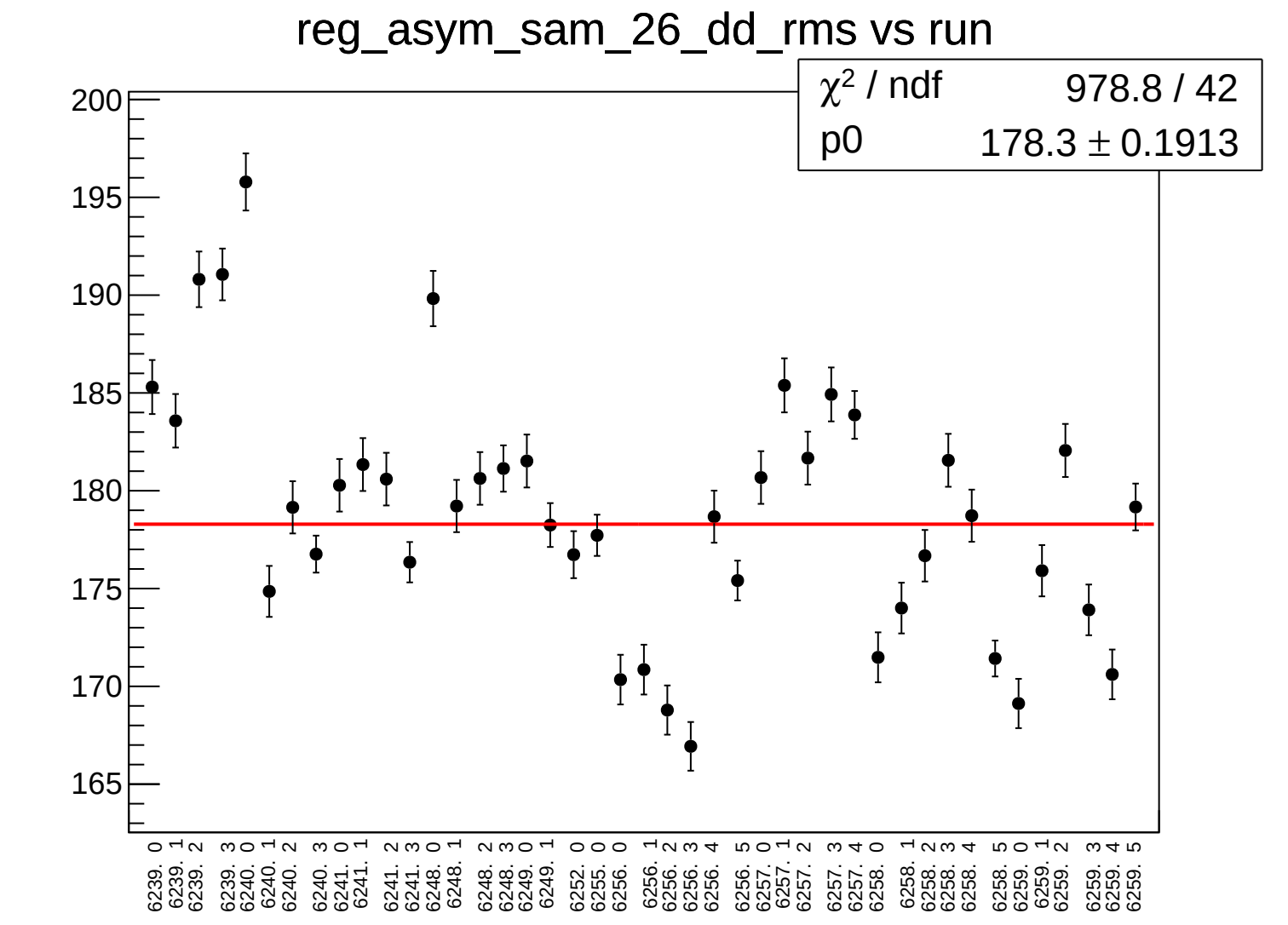

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.56 / 42
p0 2.498e−14 ± 2.391e−14
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −62.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.01774
Std Dev 0.9092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.34e+05 / 42
p0 1.237e−11 ± 1.691e−14
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_sam_26_dd_mean vs run
χ² / ndf 49.85 / 42
p0 302.7 ± 270.6
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.32
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03393
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_rms vs run
χ² / ndf 978.8 / 42
p0 178.3 ± 0.1913
200
195
190
185
180
175
170
165
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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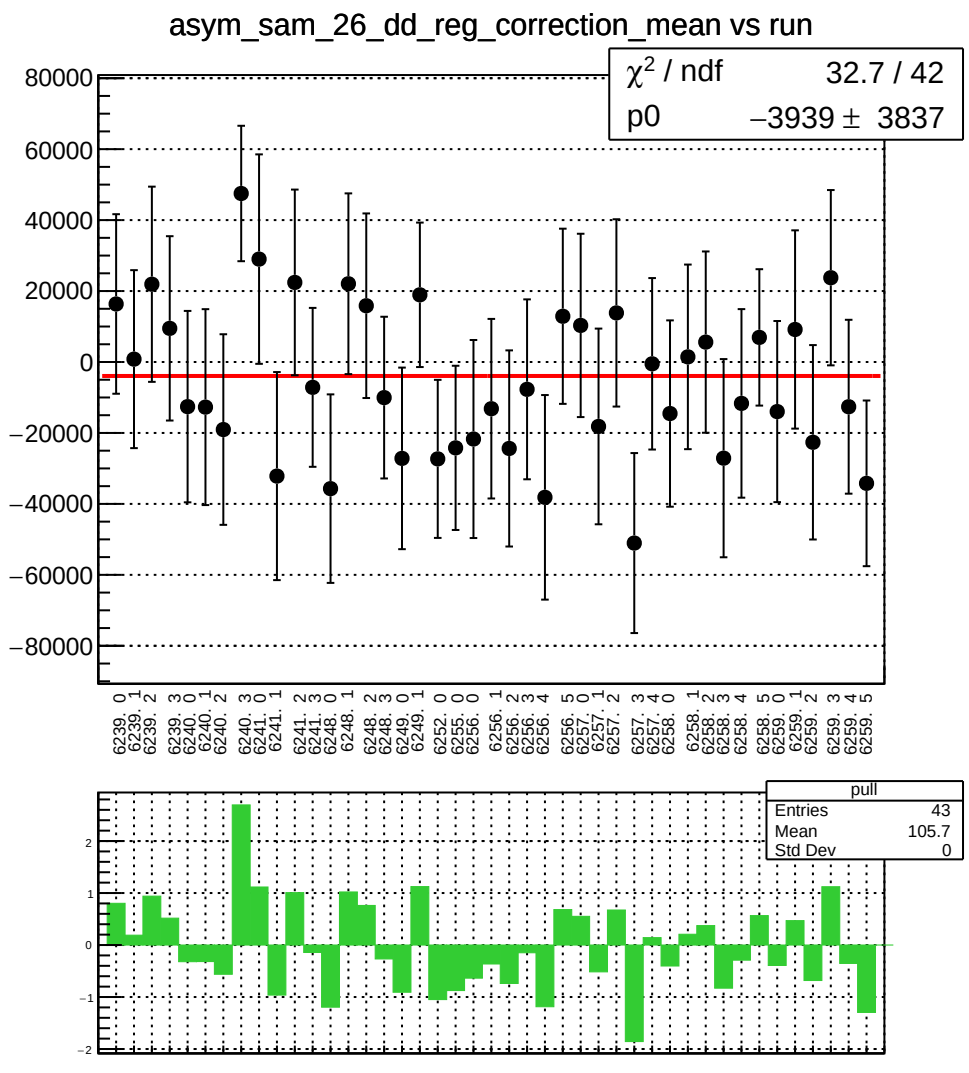
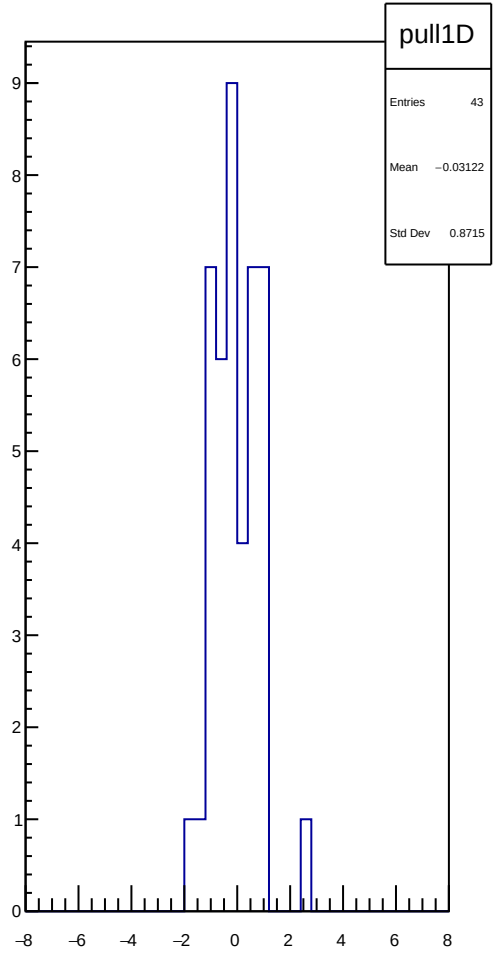
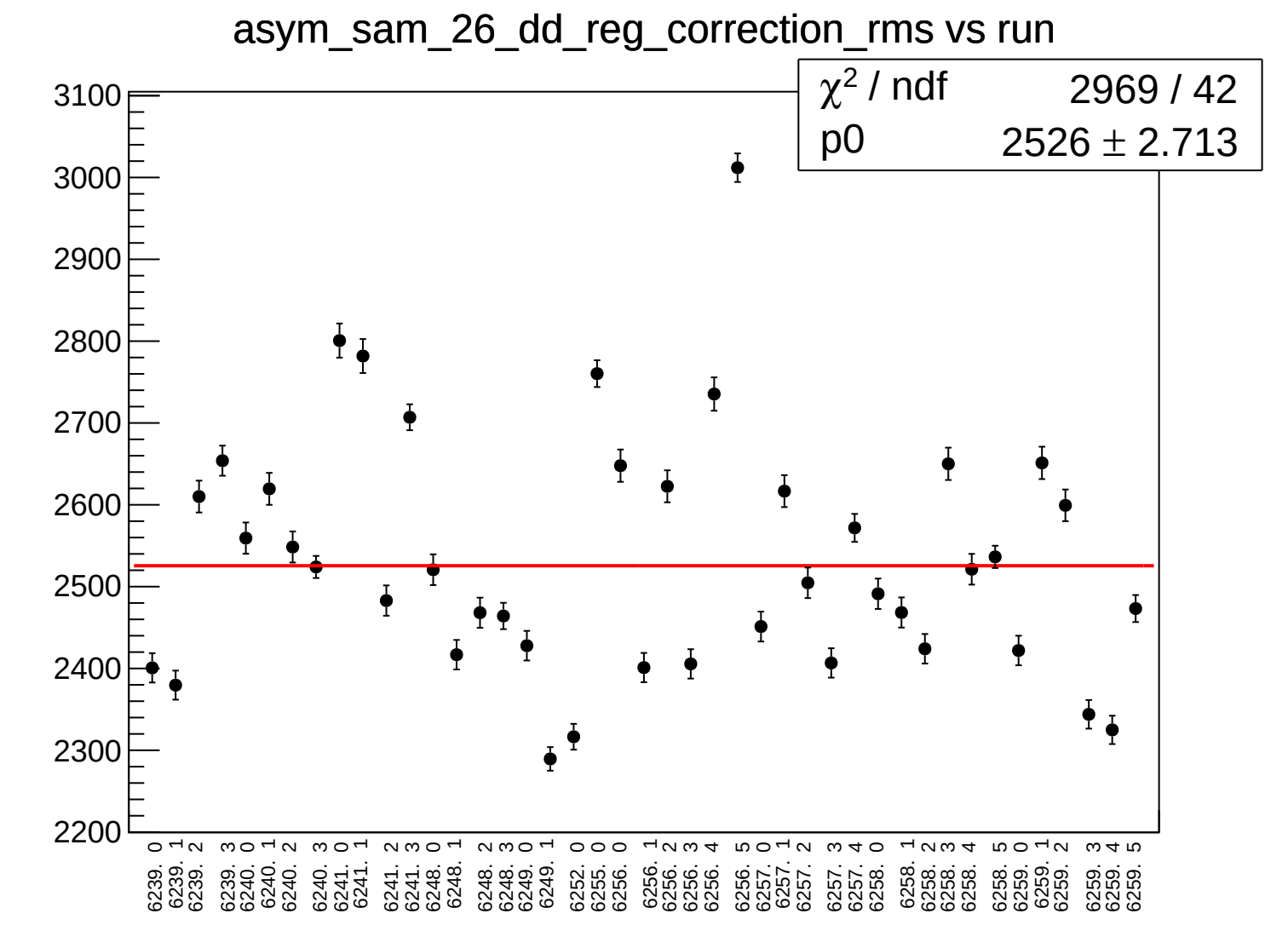
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 32.7 / 42
p0 −3939 ± 3837
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 105.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03122
Std Dev 0.8715
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 2969 / 42
p0 2526 ± 2.713
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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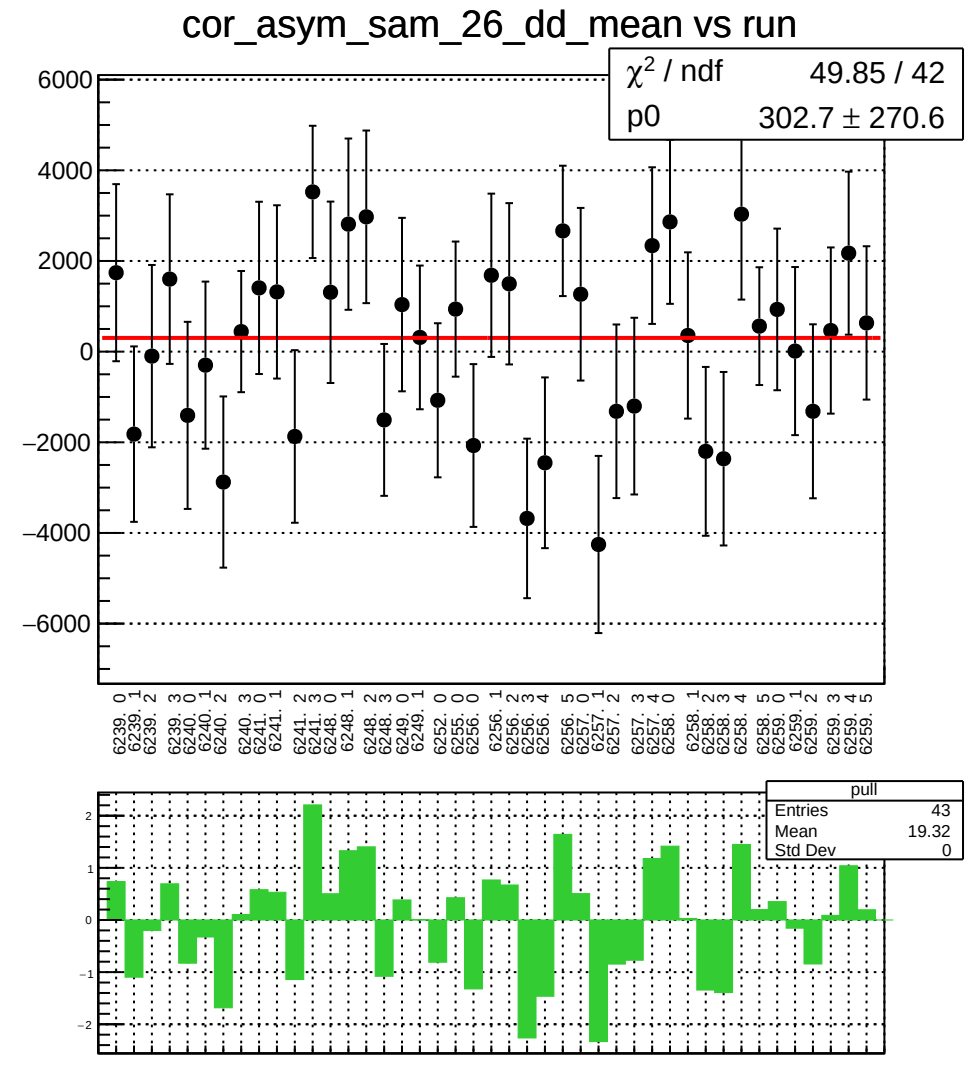
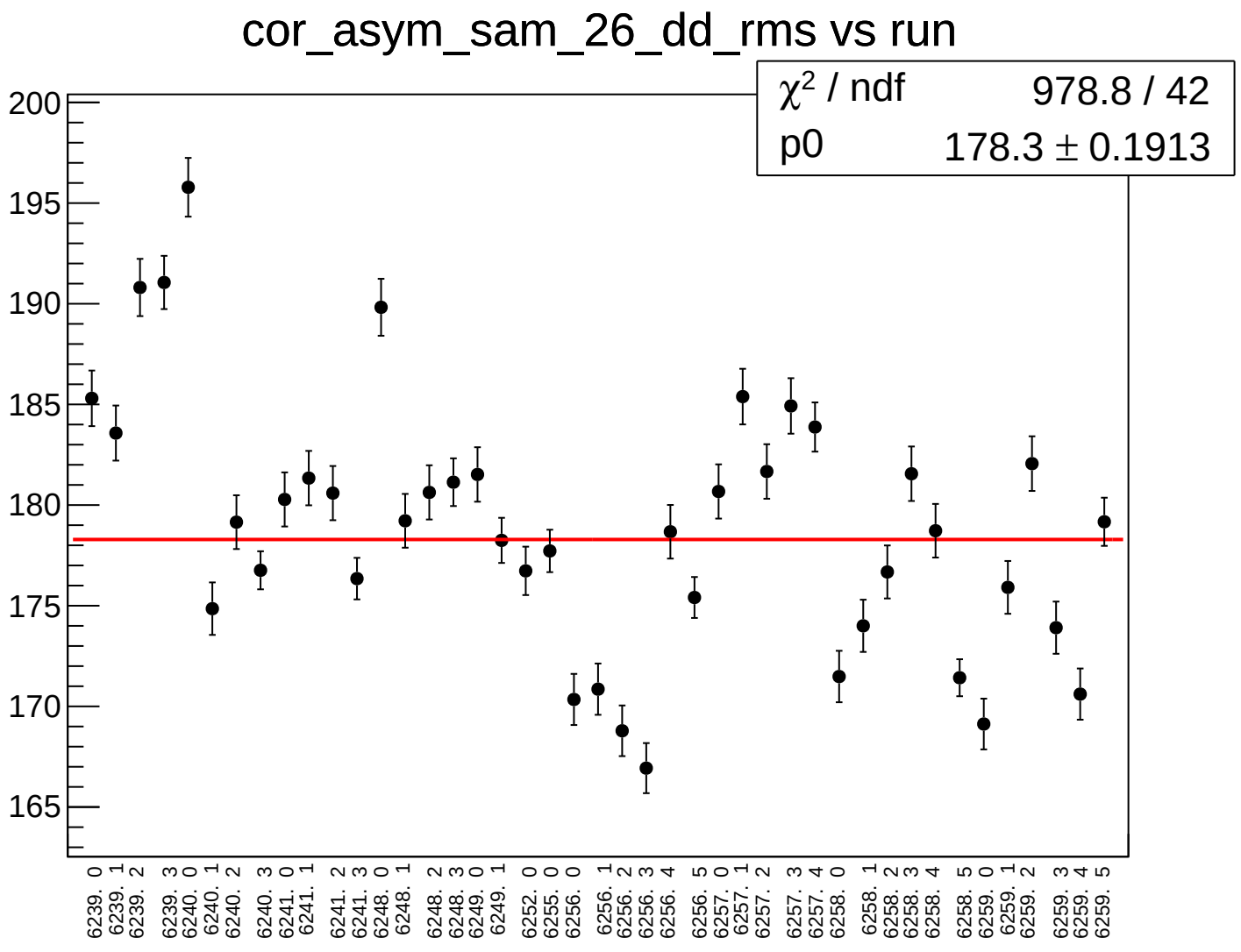
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam_26_dd_mean vs run
χ² / ndf 49.85 / 42
p0 302.7 ± 270.6
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03393
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_26_dd_rms vs run
χ² / ndf 978.8 / 42
p0 178.3 ± 0.1913
200
195
190
185
180
175
170
165
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
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6258. 0
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6259. 2
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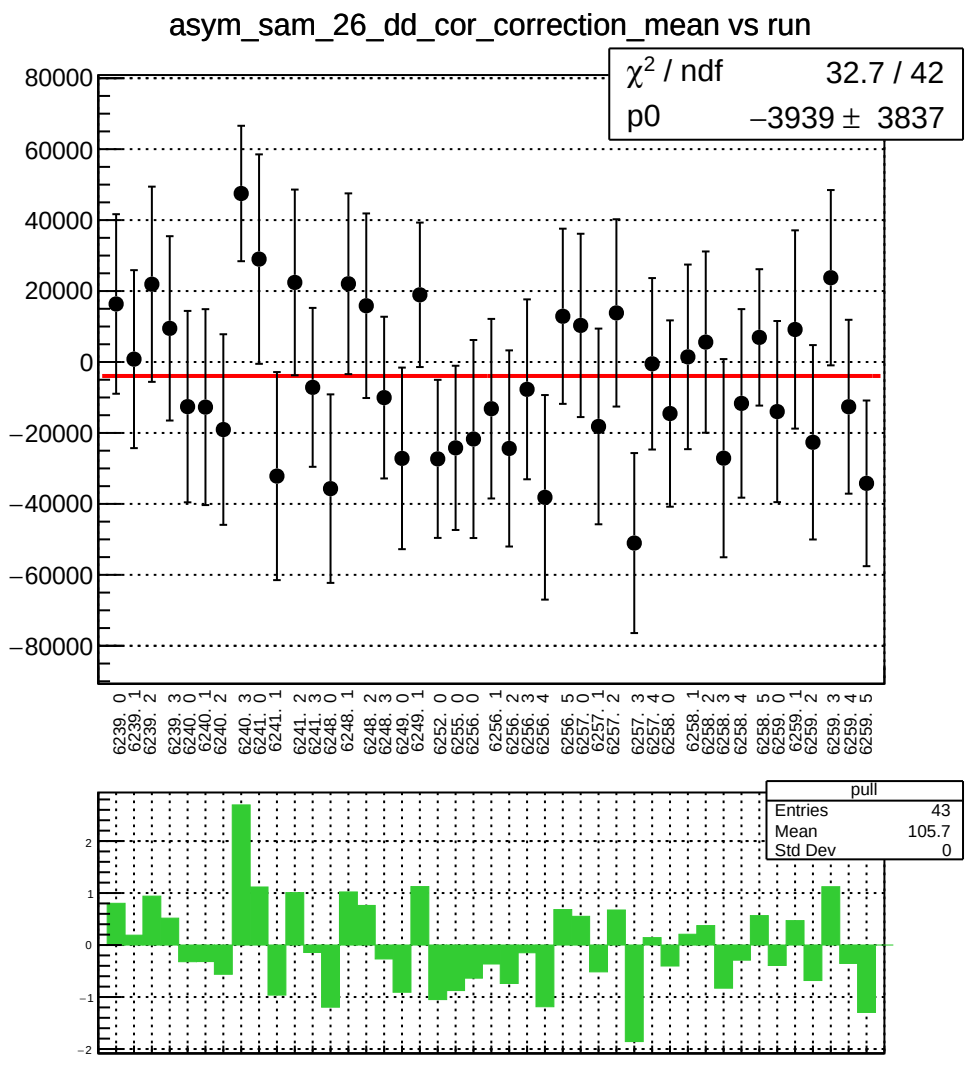
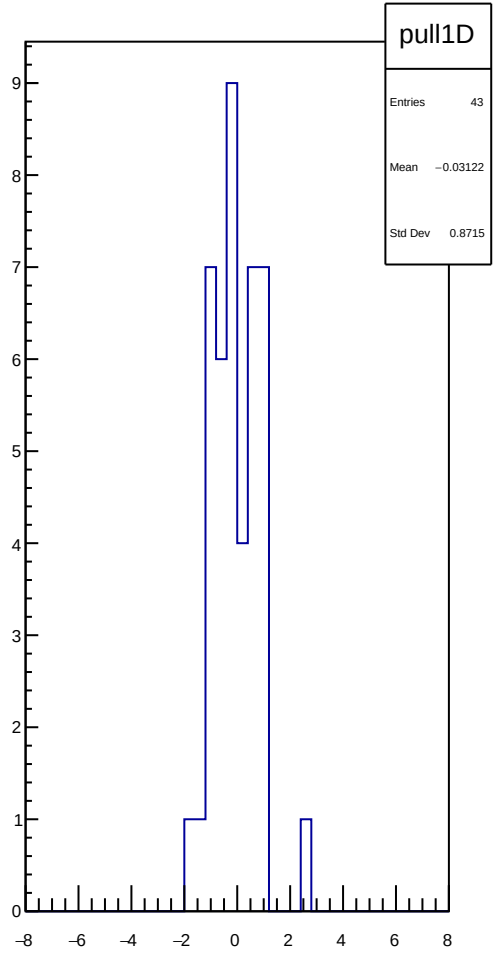
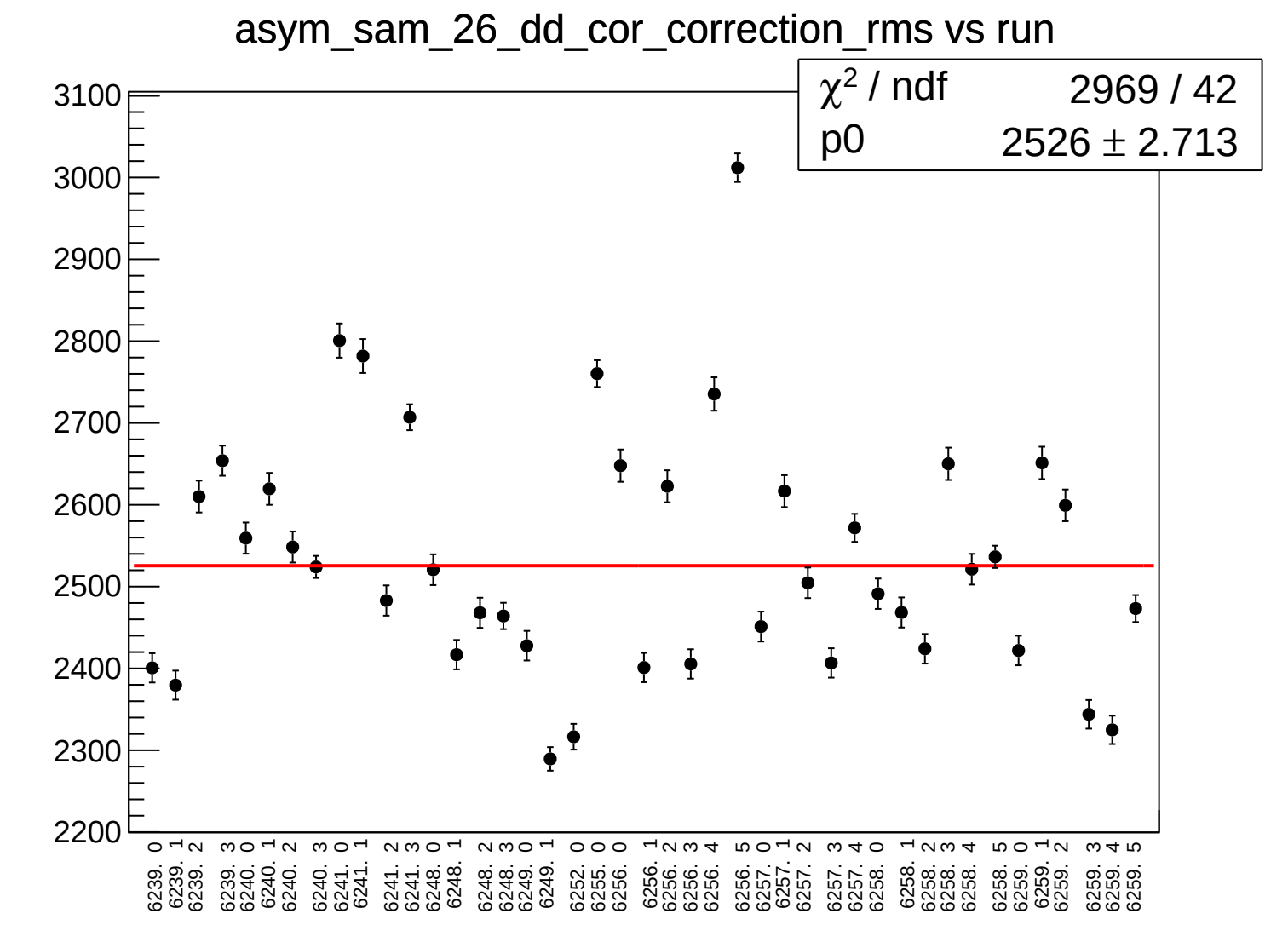
6259. 4
6259. 5


asym_sam_26_dd_cor_correction_mean vs run
χ² / ndf 32.7 / 42
p0 −3939 ± 3837
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 105.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03122
Std Dev 0.8715
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 2969 / 42
p0 2526 ± 2.713
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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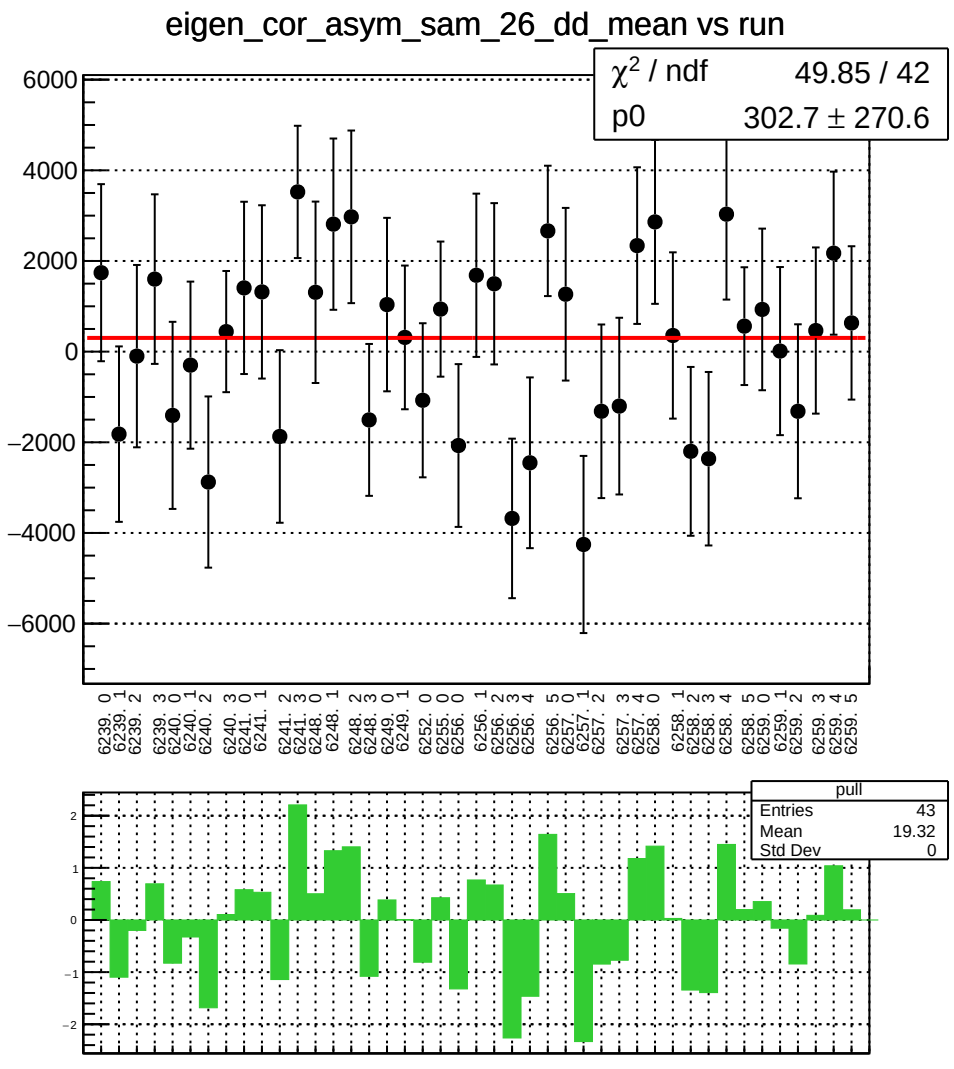
6259. 4
6259. 5


eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 49.85 / 42
p0 302.7 ± 270.6
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
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6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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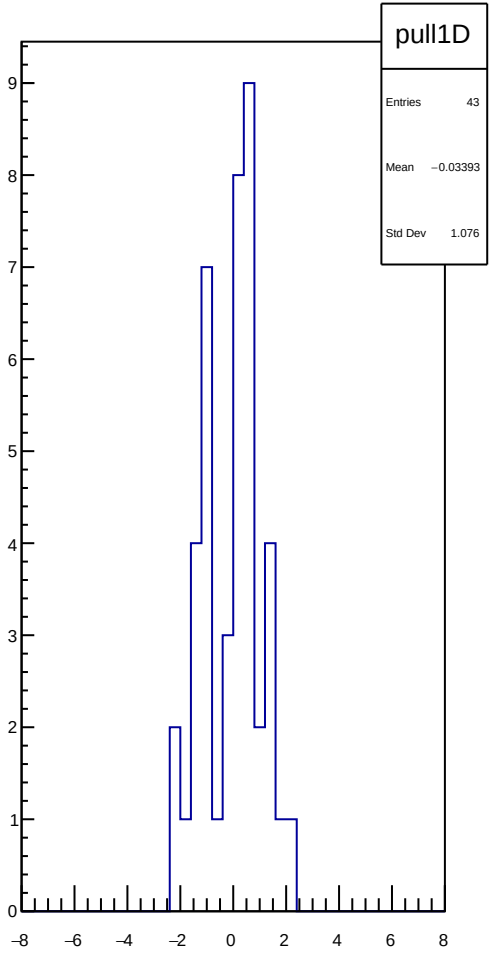
6259. 4
6259. 5
pull
Entries 43
Mean 19.32
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03393
Std Dev 1.076
9
8
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5
4
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2
1
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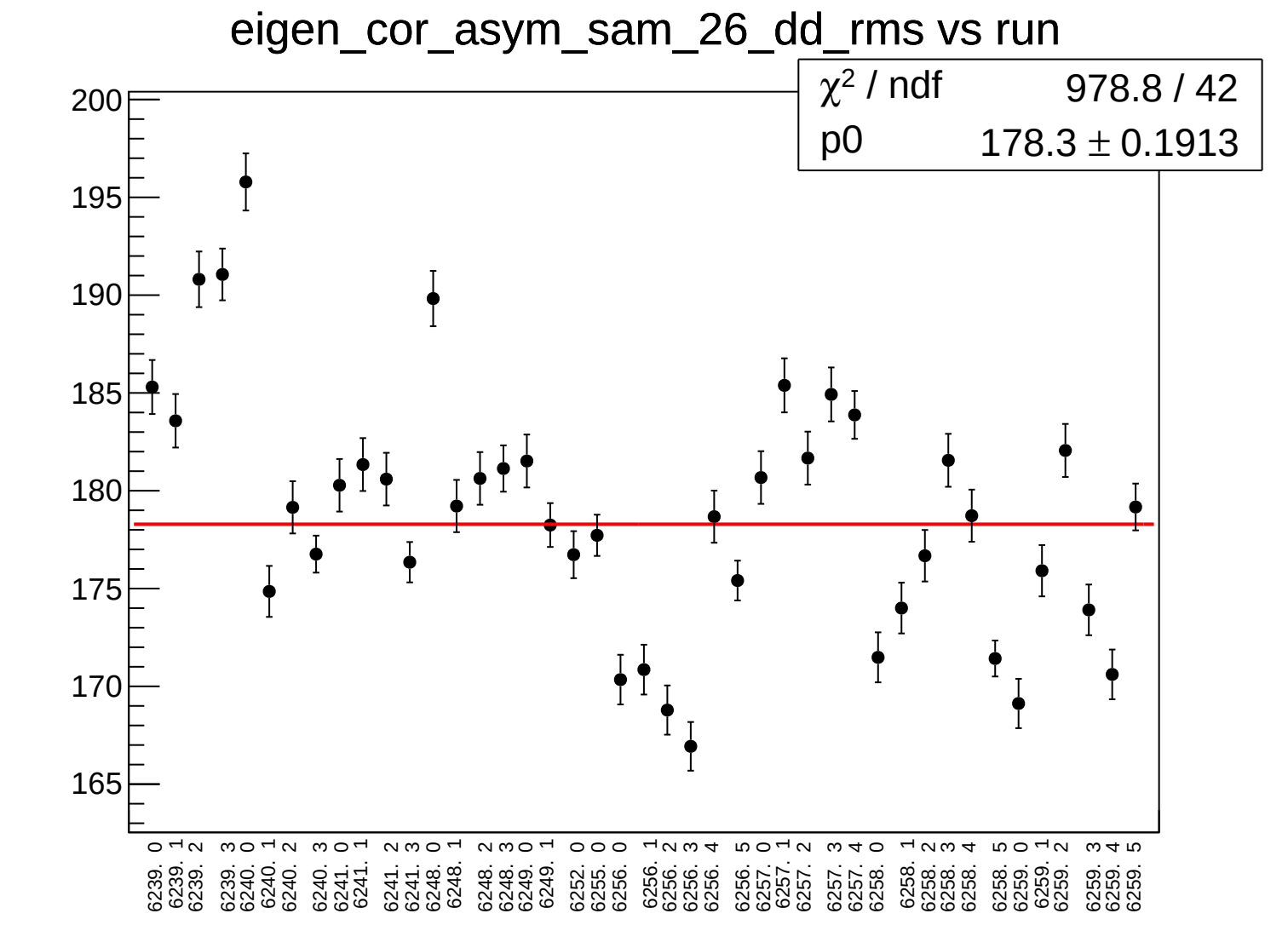
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 978.8 / 42
p0 178.3 ± 0.1913
200
195
190
185
180
175
170
165
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
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6241. 0
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6249. 1
6252. 0
6255. 0
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6256. 1
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6257. 0
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6257. 2
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6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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6259. 2
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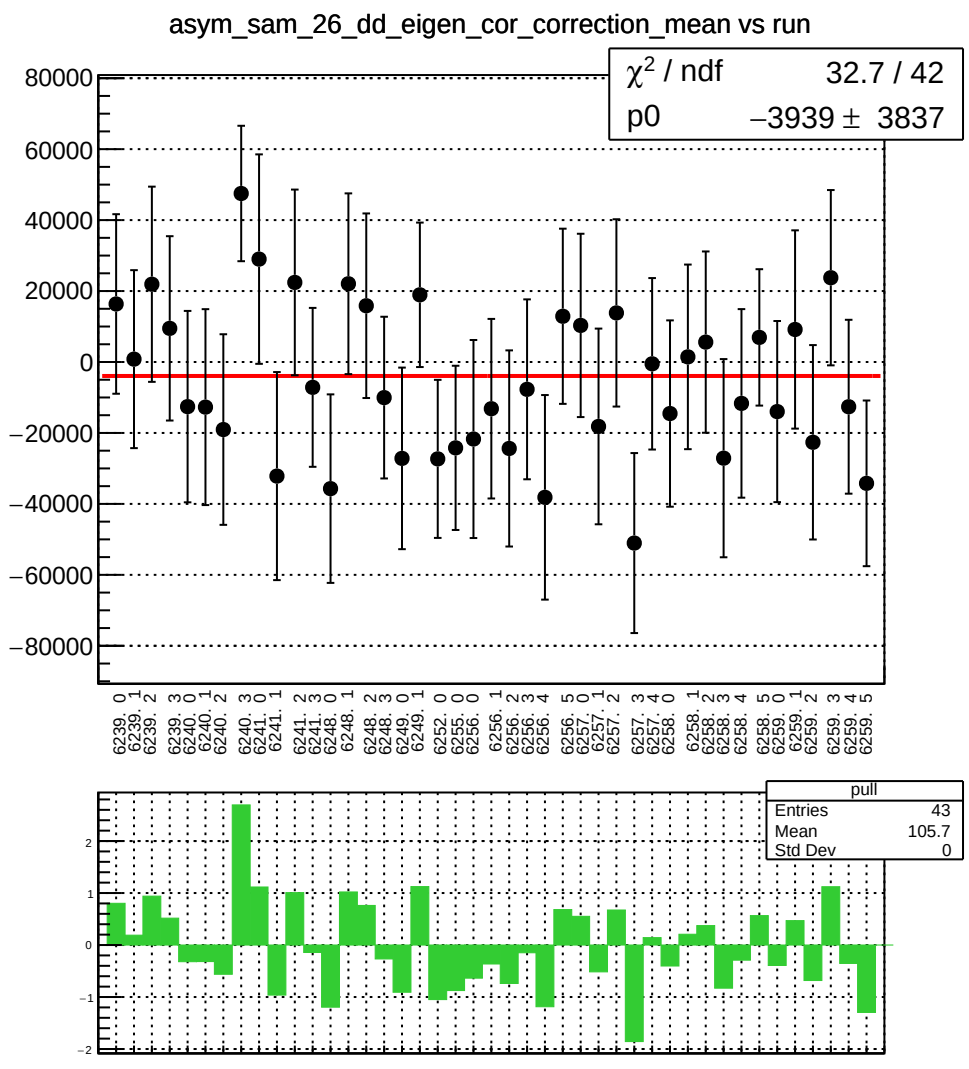
6259. 4
6259. 5


asym_sam_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 32.7 / 42
p0 −3939 ± 3837
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
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6241. 0
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6248. 0
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6255. 0
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6256. 2
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6256. 4
6256. 5
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6257. 2
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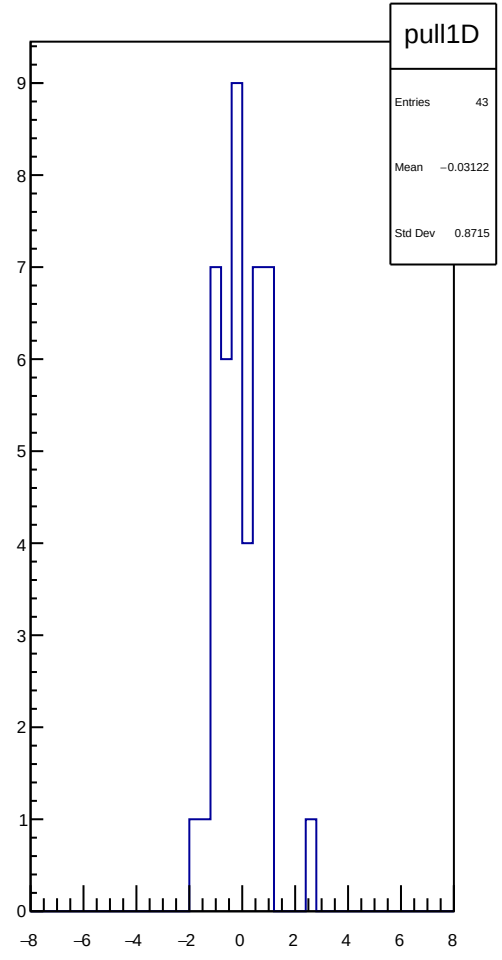
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 105.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03122
Std Dev 0.8715
9
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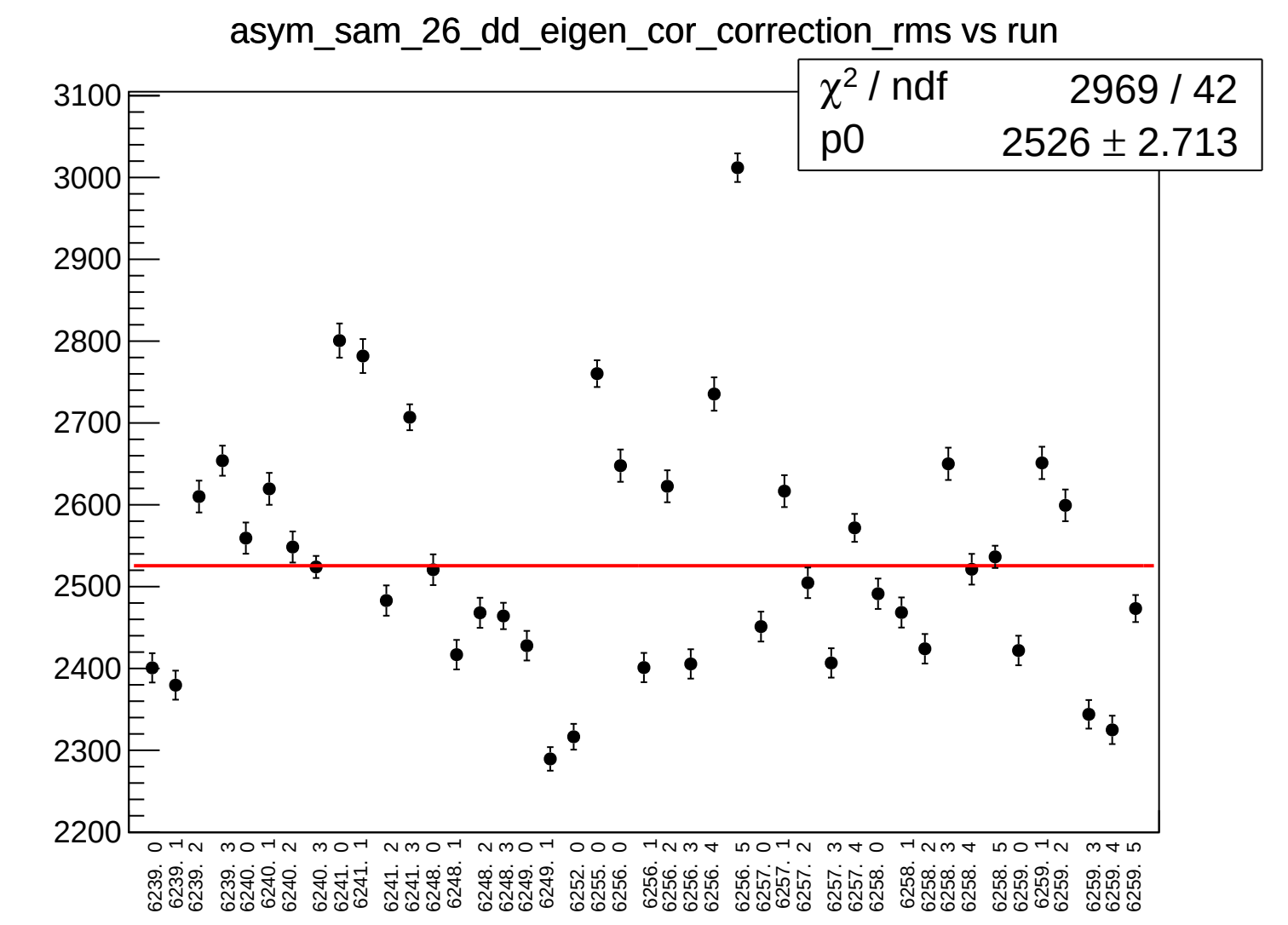
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2969 / 42
p0 2526 ± 2.713
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6240. 2
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6241. 0
6241. 1
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6241. 3
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6248. 1
6248. 2
6248. 3
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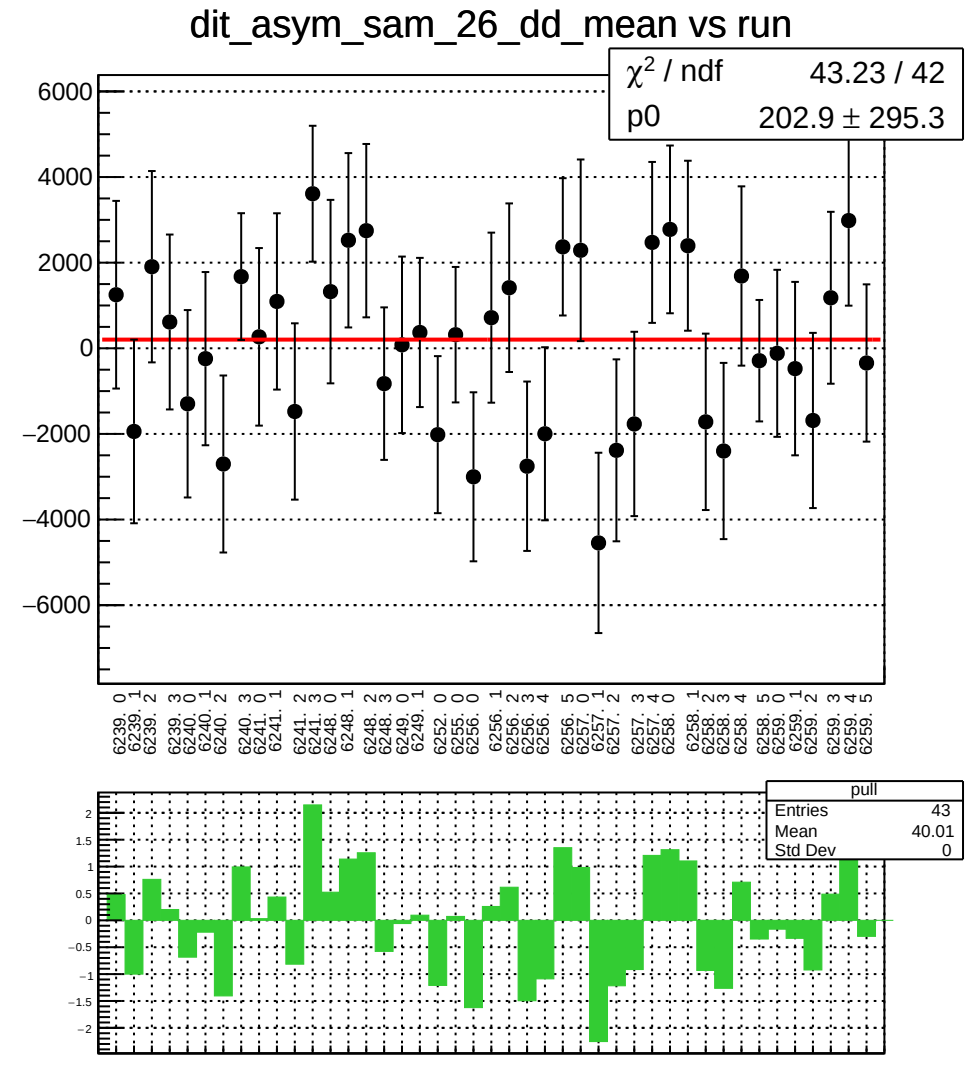
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_sam_26_dd_mean vs run
χ² / ndf 43.23 / 42
p0 202.9 ± 295.3
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
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6257. 0
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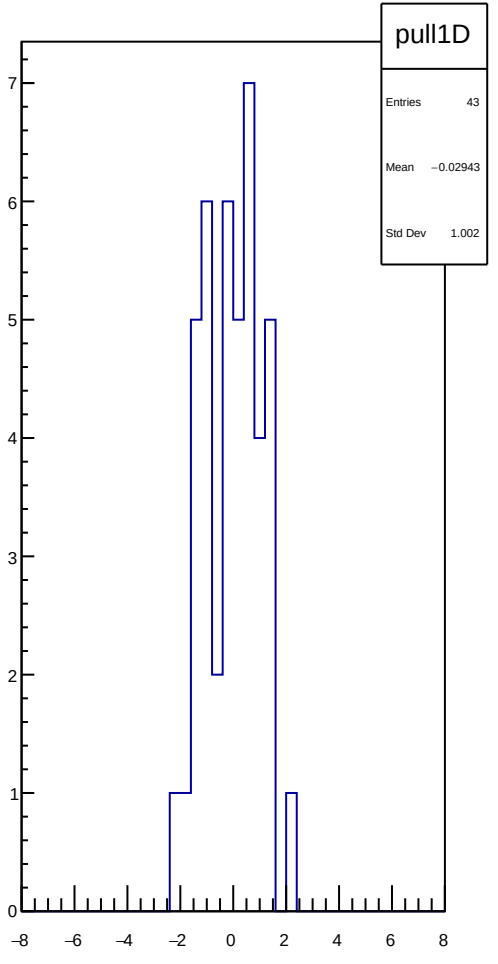
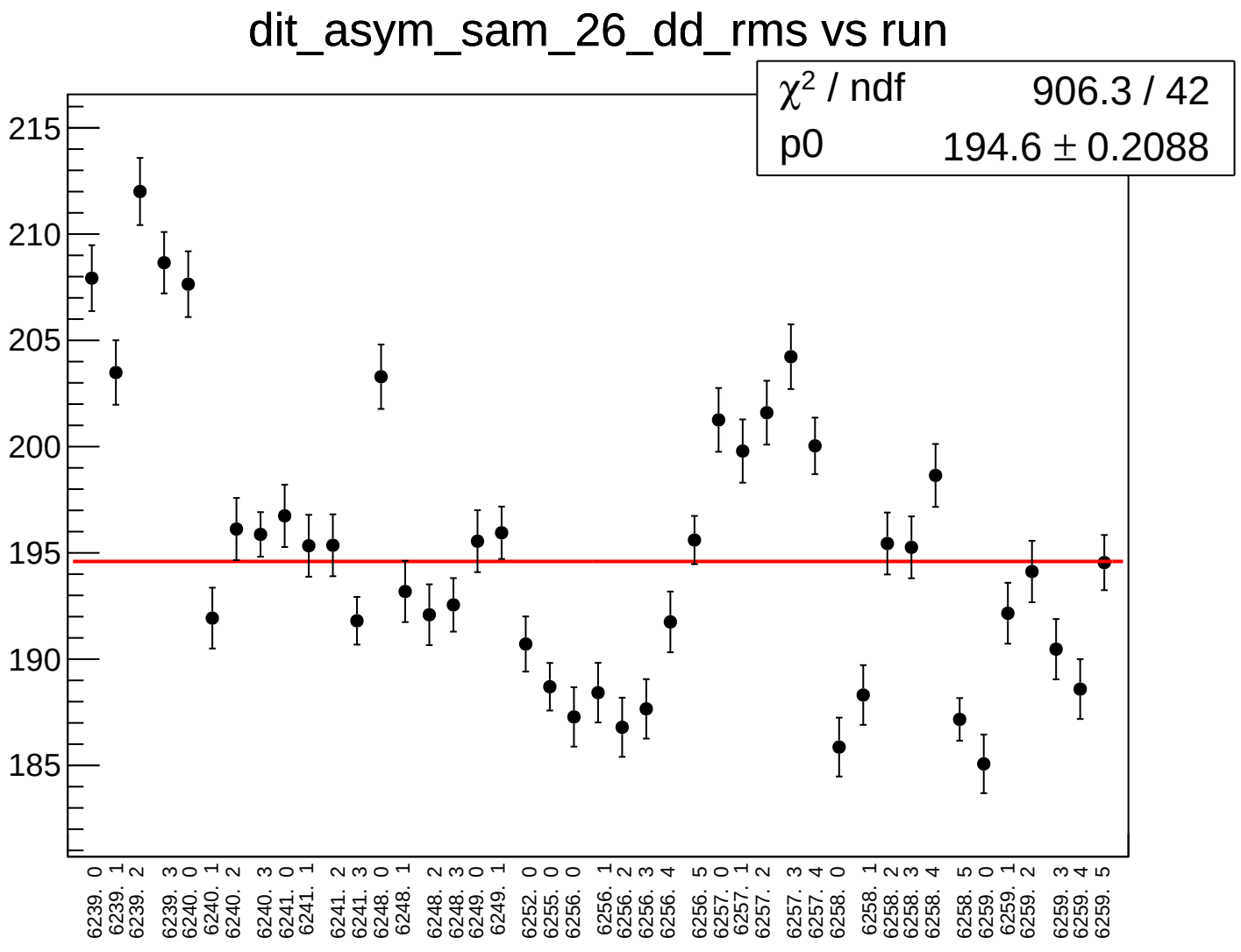
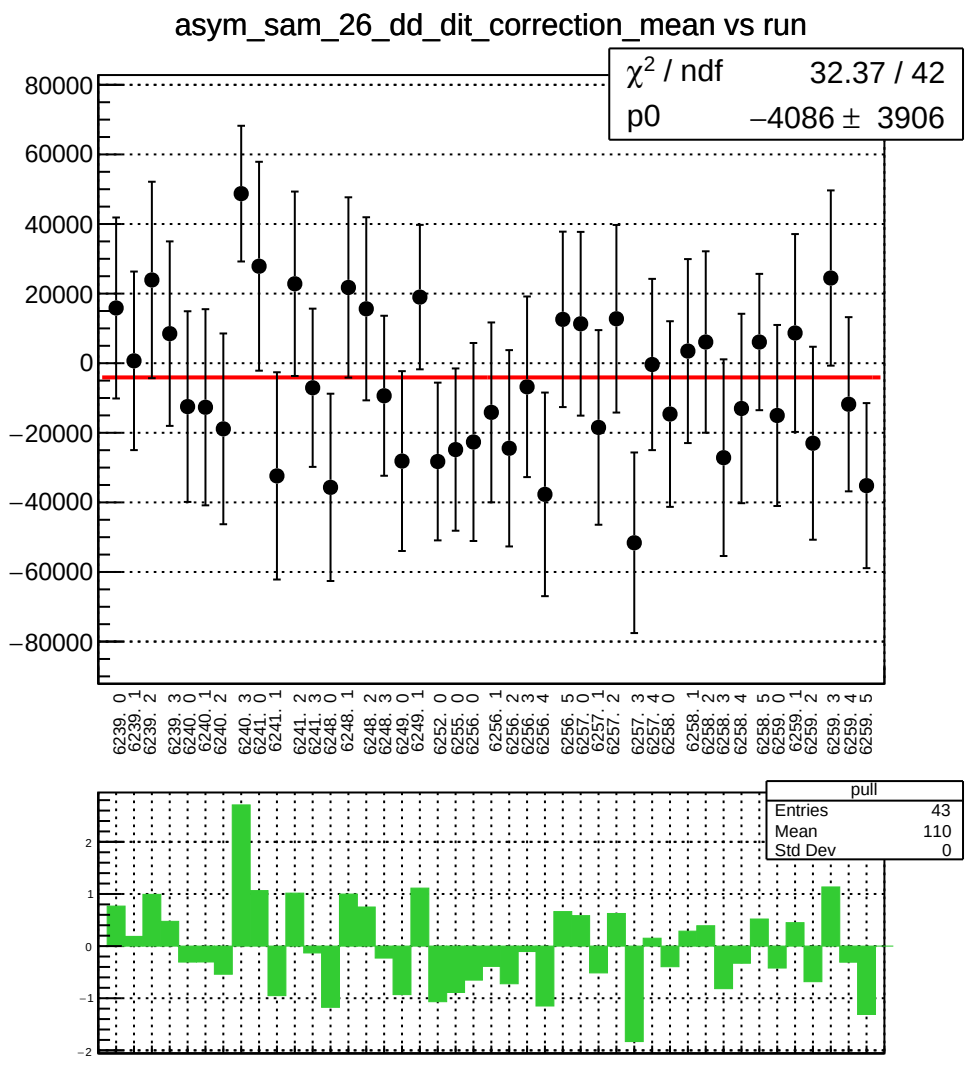
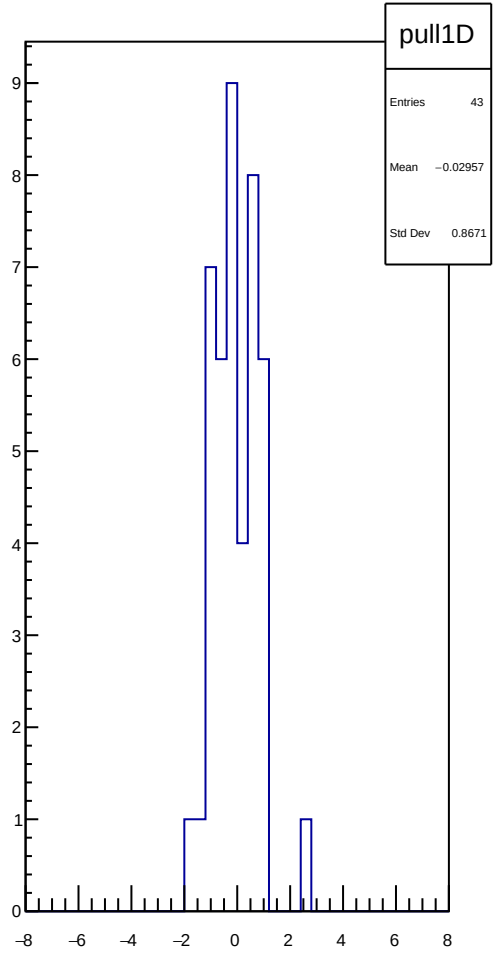
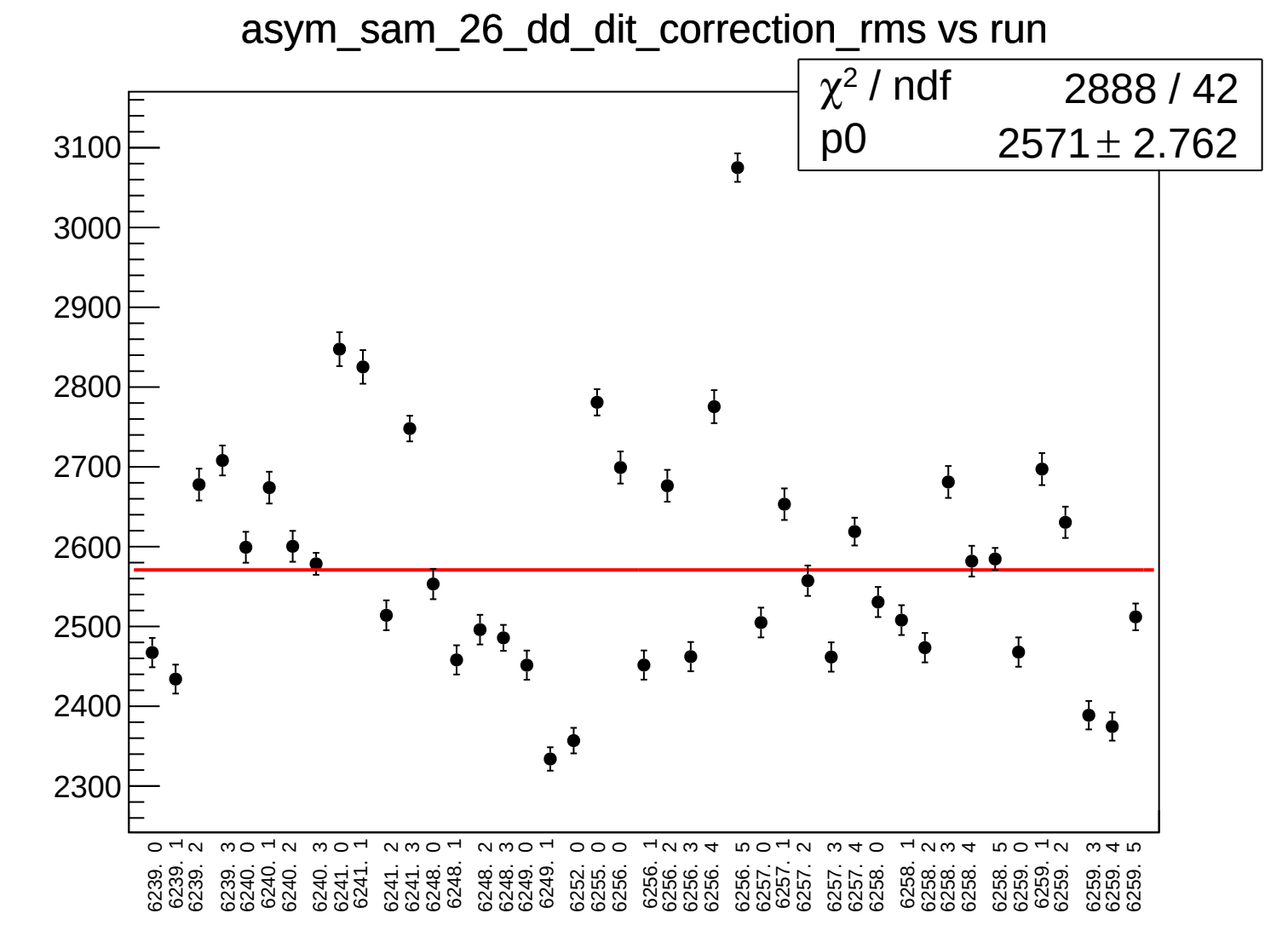
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

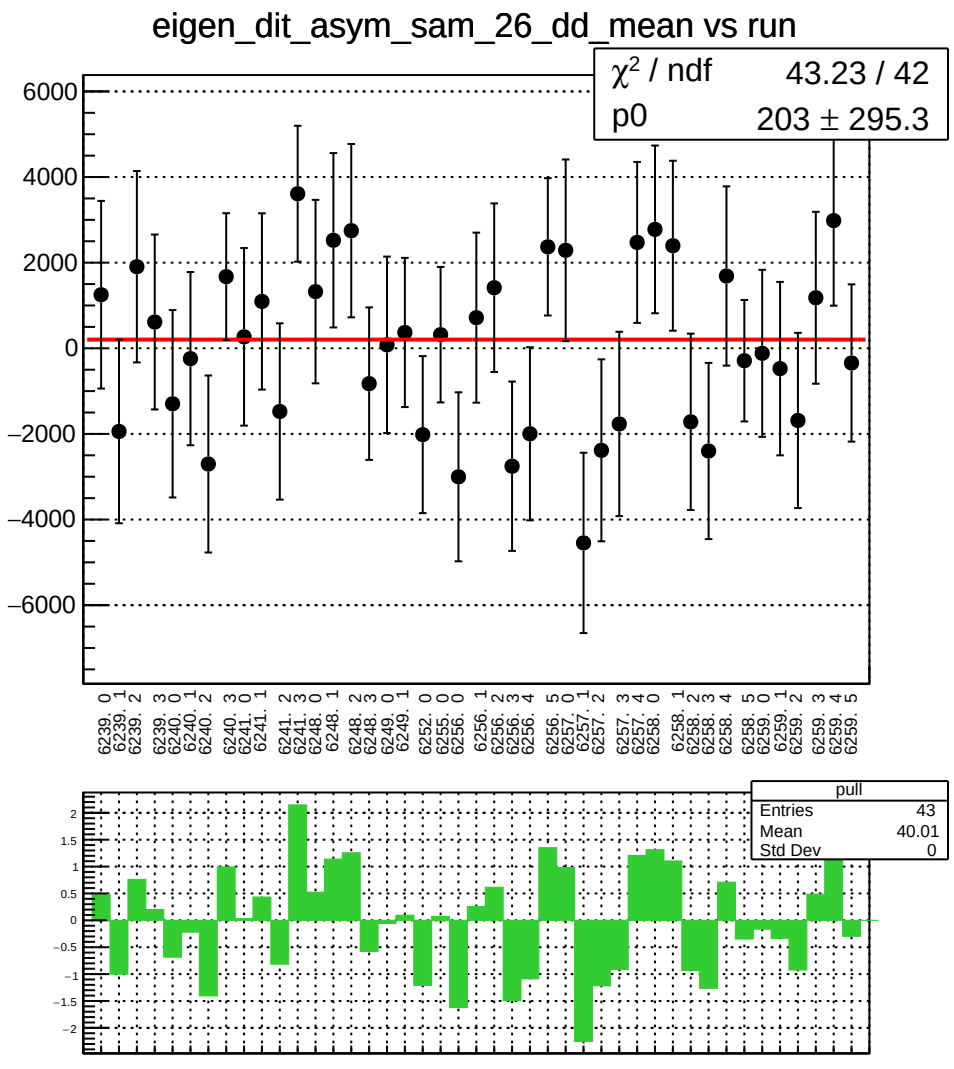

pull1D
Entries 43
Mean −0.02943
Std Dev 1.002
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

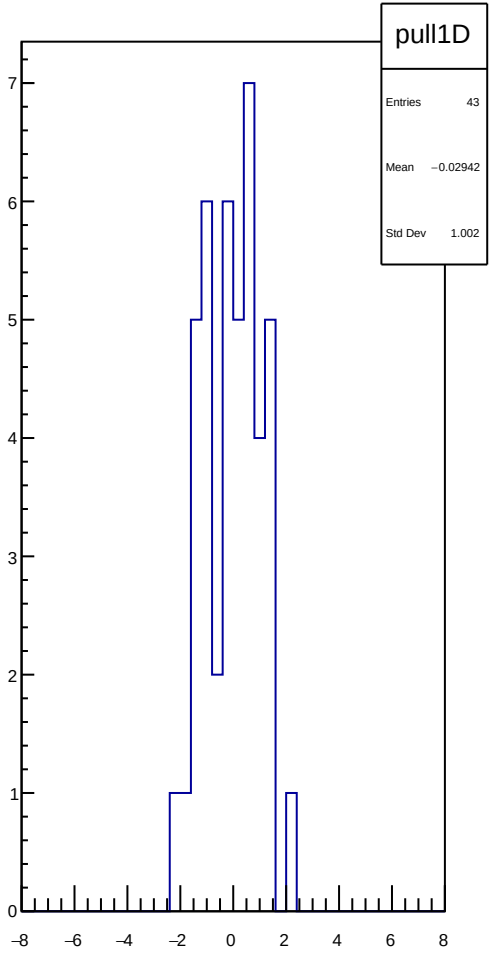

dit_asym_sam_26_dd_rms vs run
χ² / ndf 906.3 / 42
p0 194.6 ± 0.2088
215
210
205
200
195
190
185
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

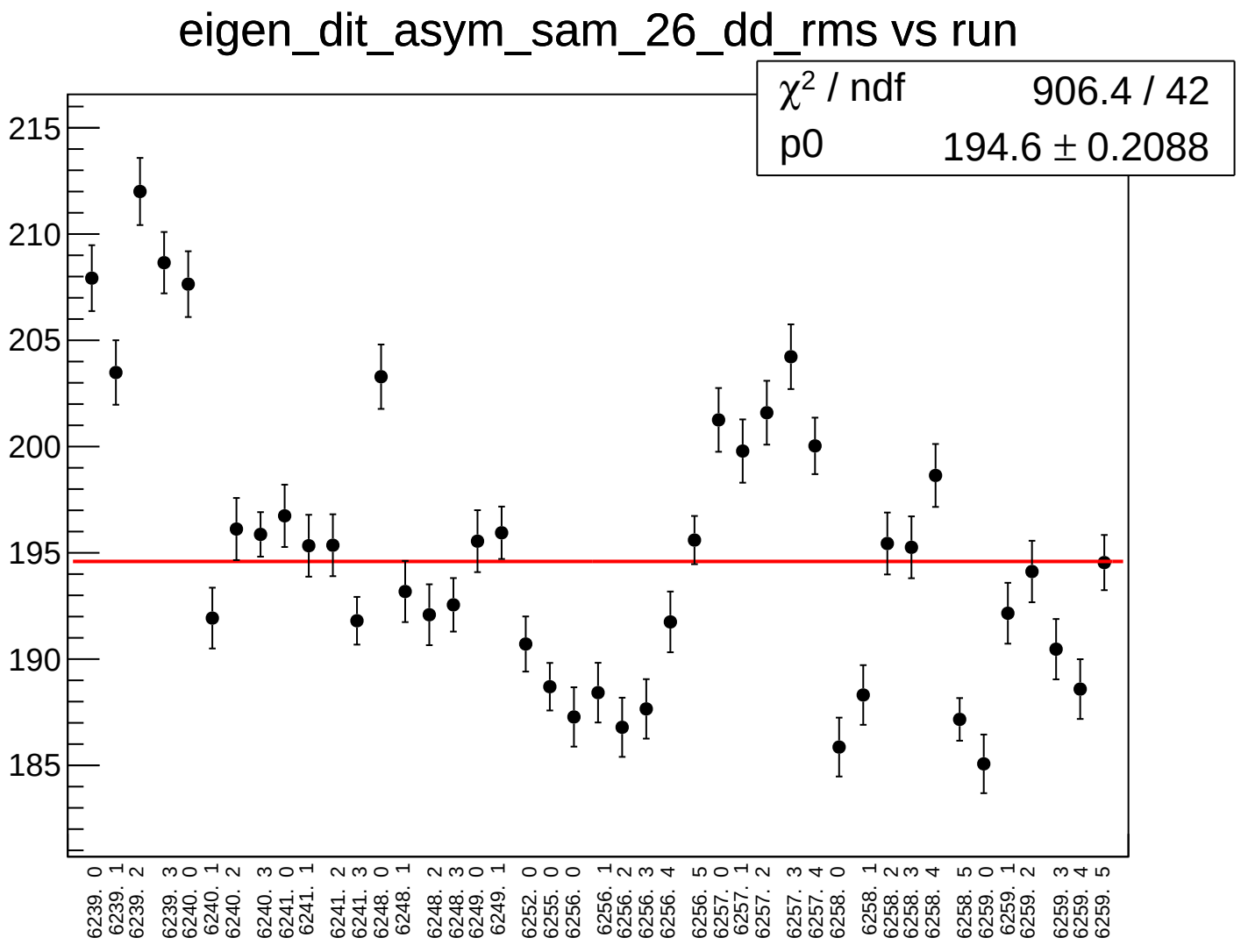

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 32.37 / 42
p0 −4086 ± 3906
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 110
Std Dev 0
2
1
0
−1
−2

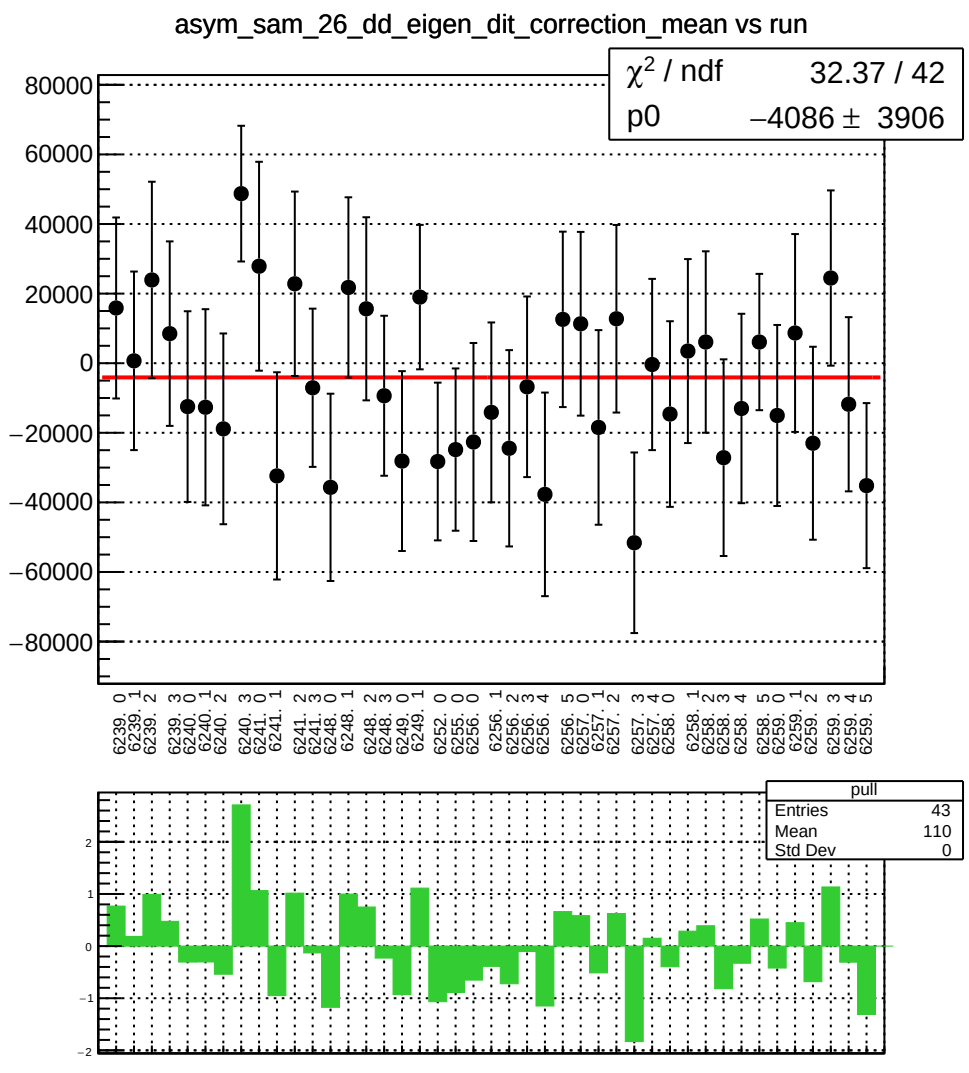

pull1D
Entries 43
Mean −0.02957
Std Dev 0.8671
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

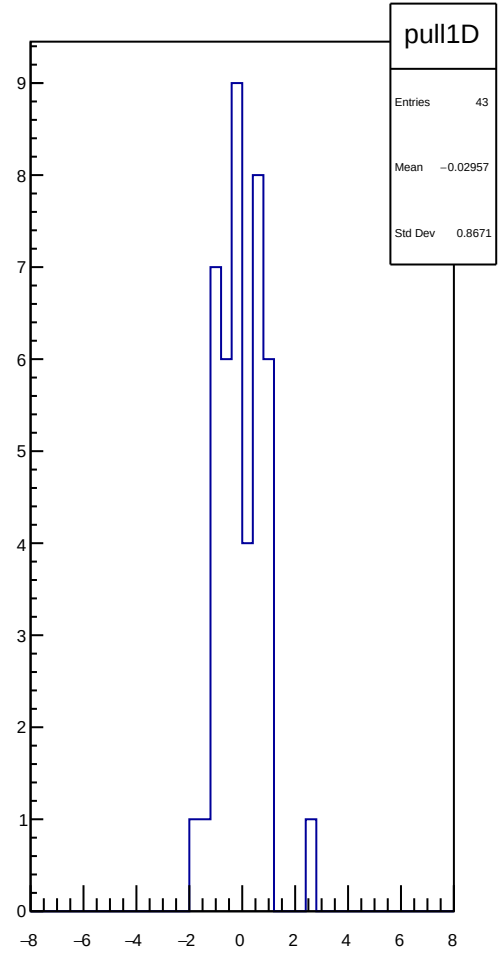

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2888 / 42
p0 2571 ± 2.762
3100
3000
2900
2800
2700
2600
2500
2400
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

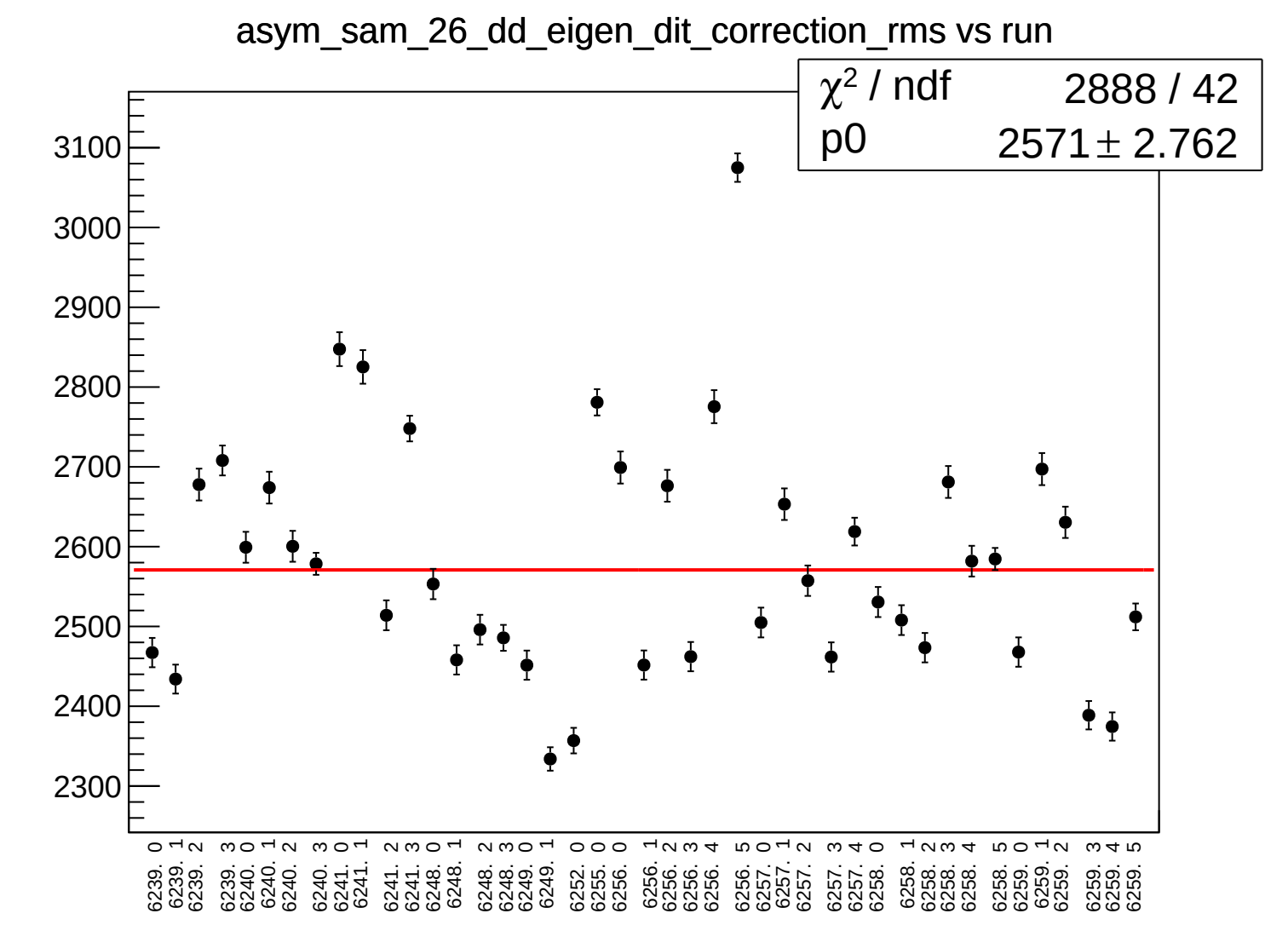

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 43.23 / 42
p0 203 ± 295.3
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

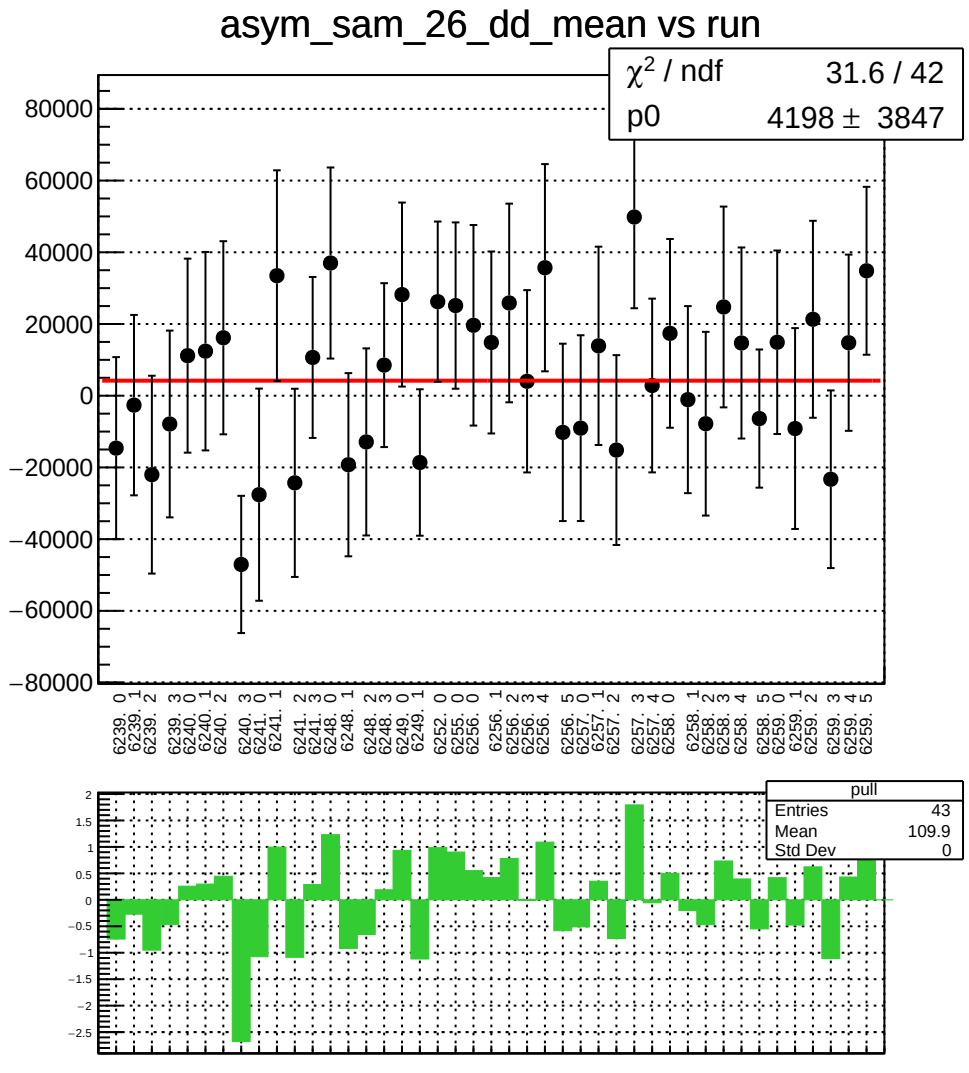

pull1D
Entries 43
Mean −0.02942
Std Dev 1.002
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

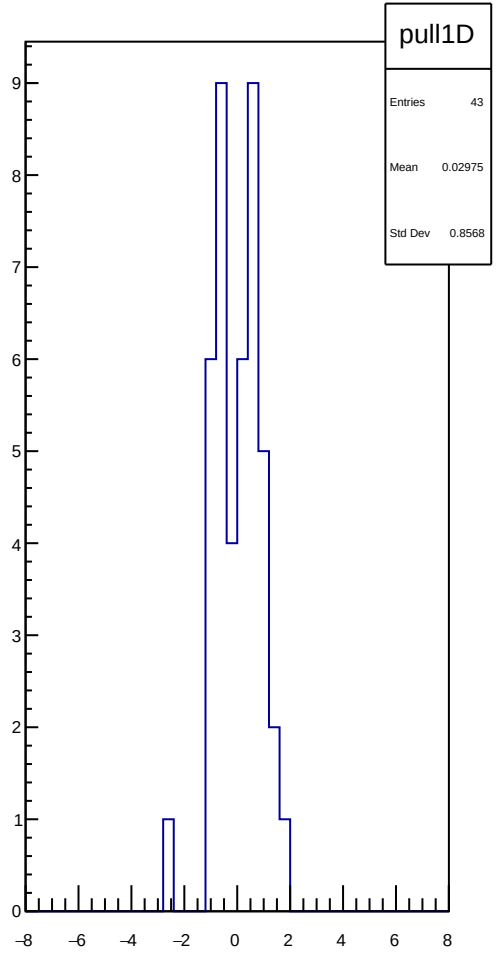

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 906.4 / 42
p0 194.6 ± 0.2088
215
210
205
200
195
190
185
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

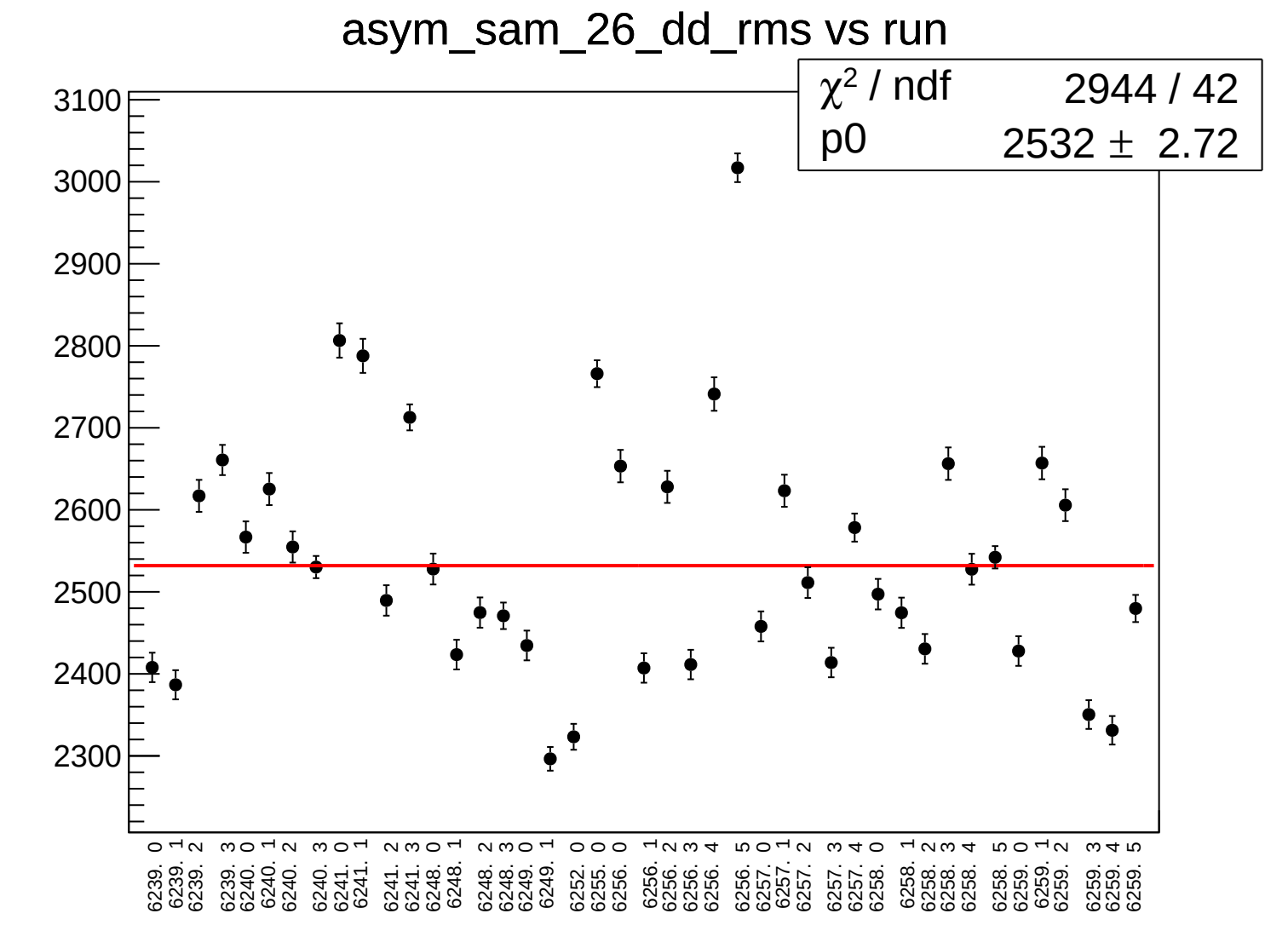

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 32.37 / 42
p0 −4086 ± 3906
pull
Entries 43
Mean 110
Std Dev 0

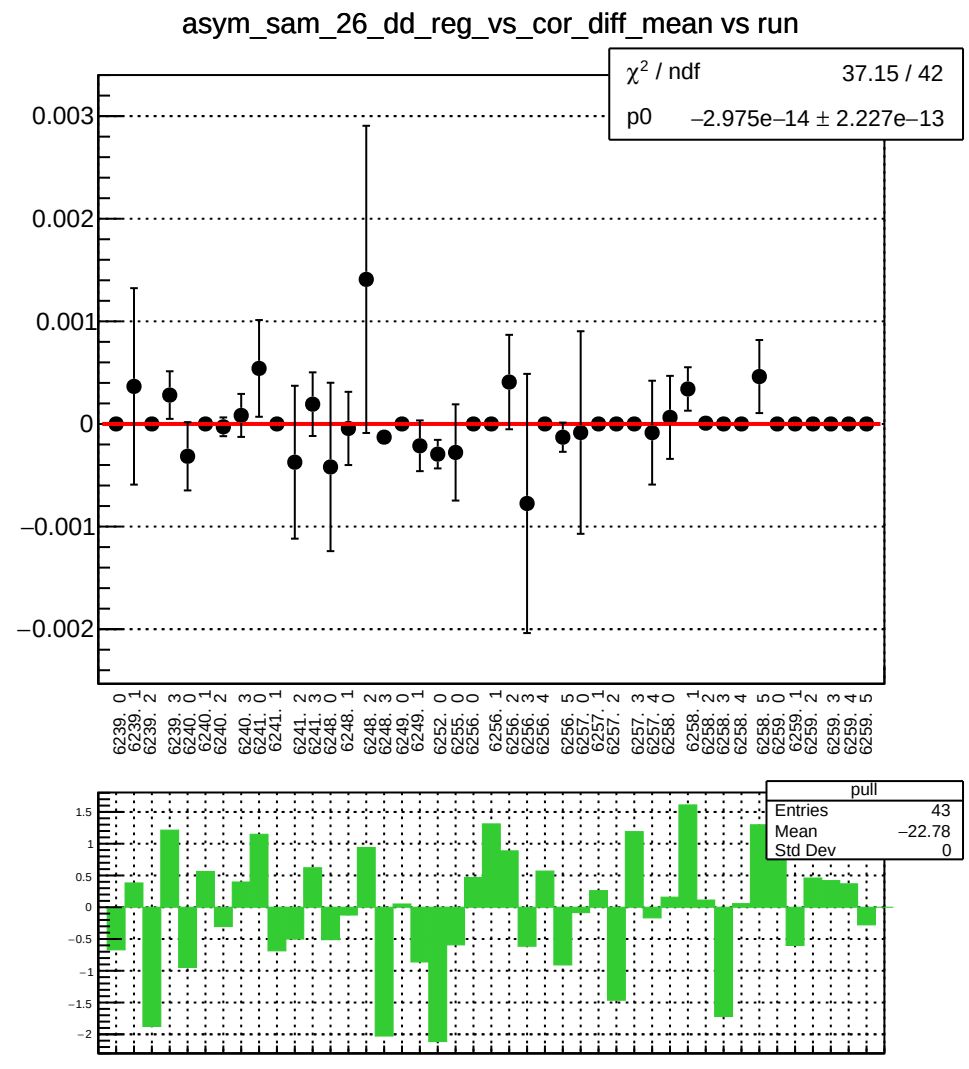

pull1D
Entries 43
Mean −0.02957
Std Dev 0.8671

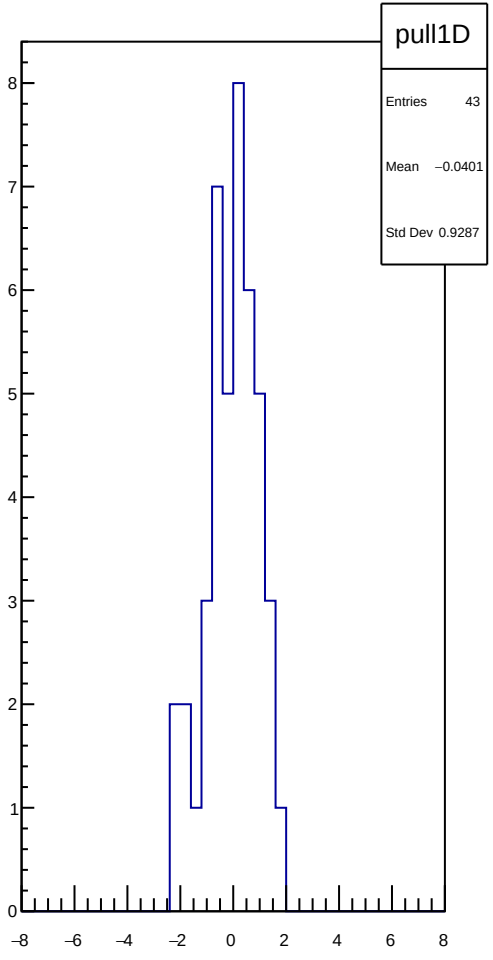

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2888 / 42
p0 2571 ± 2.762
3100
3000
2900
2800
2700
2600
2500
2400
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

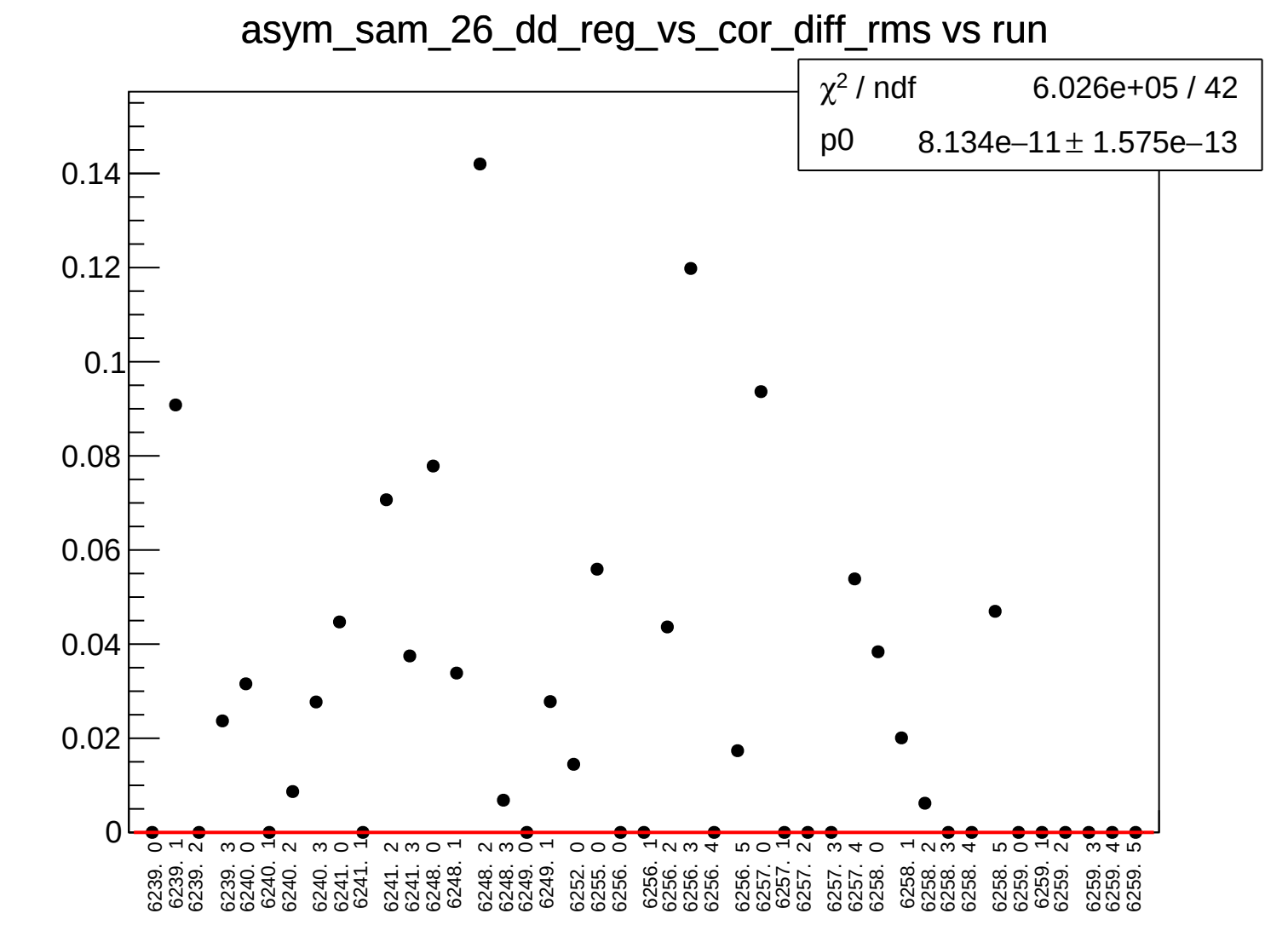

asym_sam_26_dd_mean vs run
χ² / ndf 31.6 / 42
p0 4198 ± 3847
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 109.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

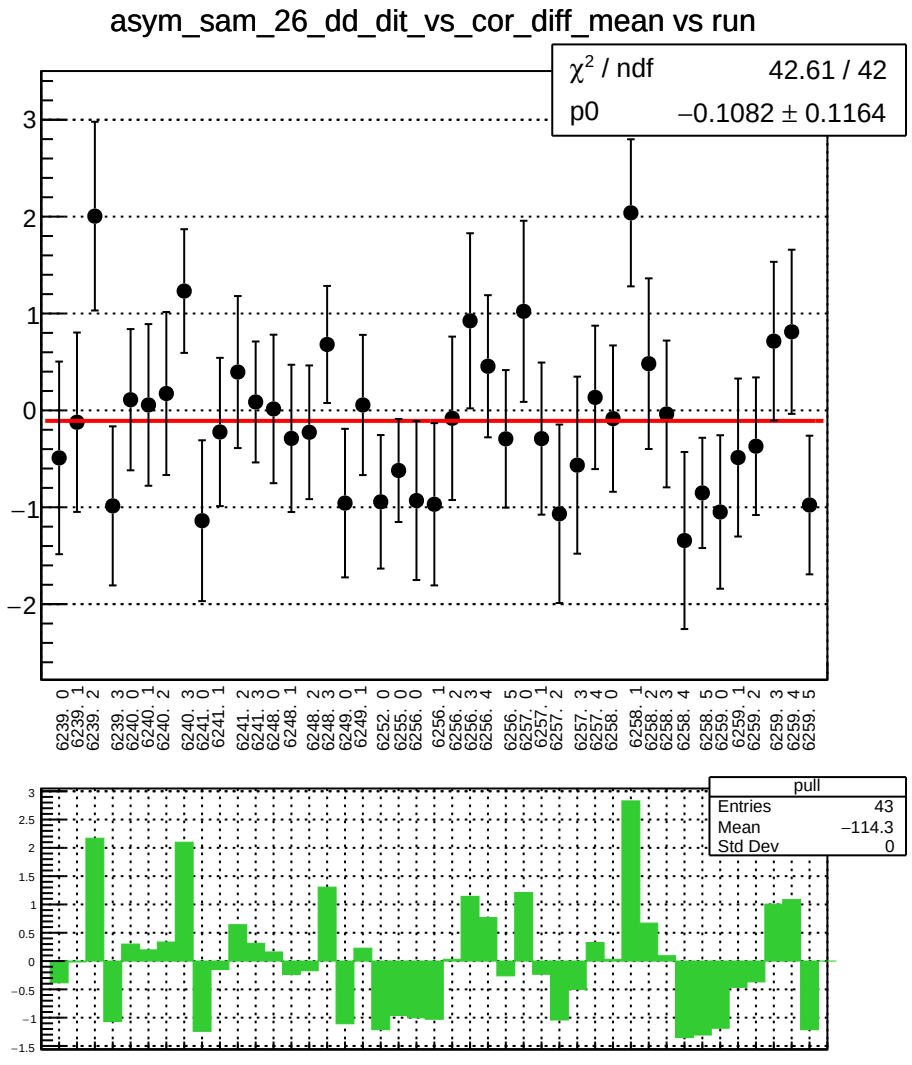

pull1D
Entries 43
Mean 0.02975
Std Dev 0.8568
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

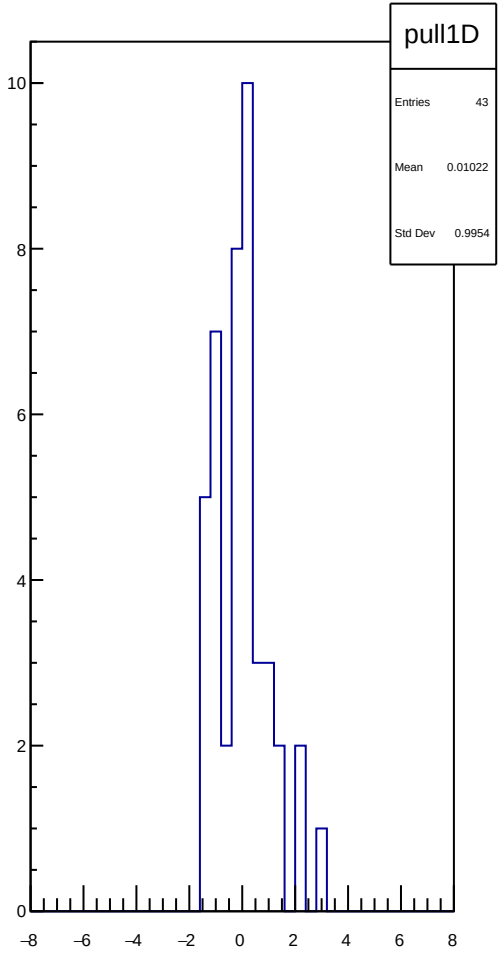

asym_sam_26_dd_rms vs run
χ² / ndf 2944 / 42
p0 2532 ± 2.72
3100
3000
2900
2800
2700
2600
2500
2400
2300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

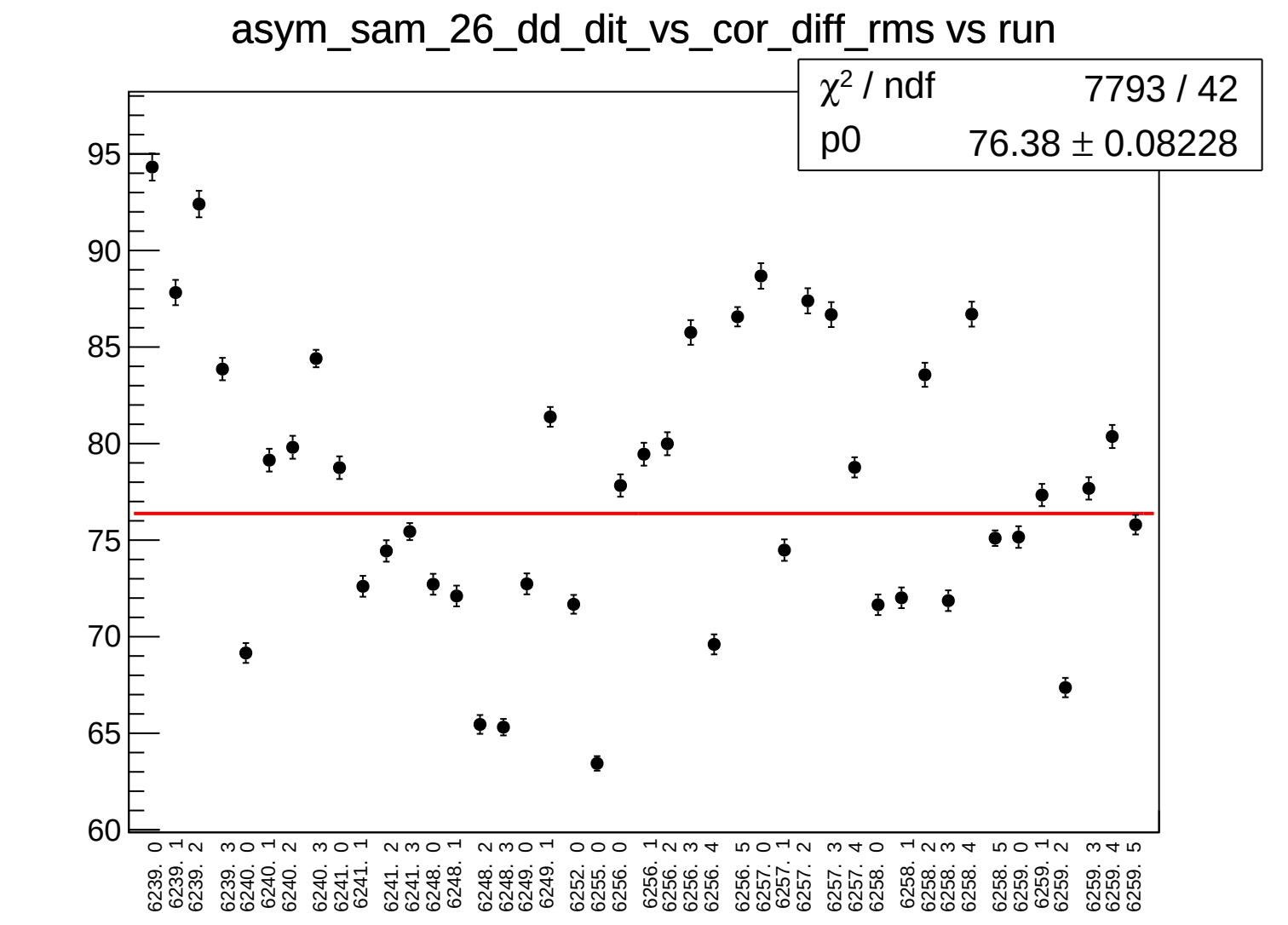

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.15 / 42
p0 −2.975e−14 ± 2.227e−13
0.003
0.002
0.001
0
−0.001
−0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −22.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

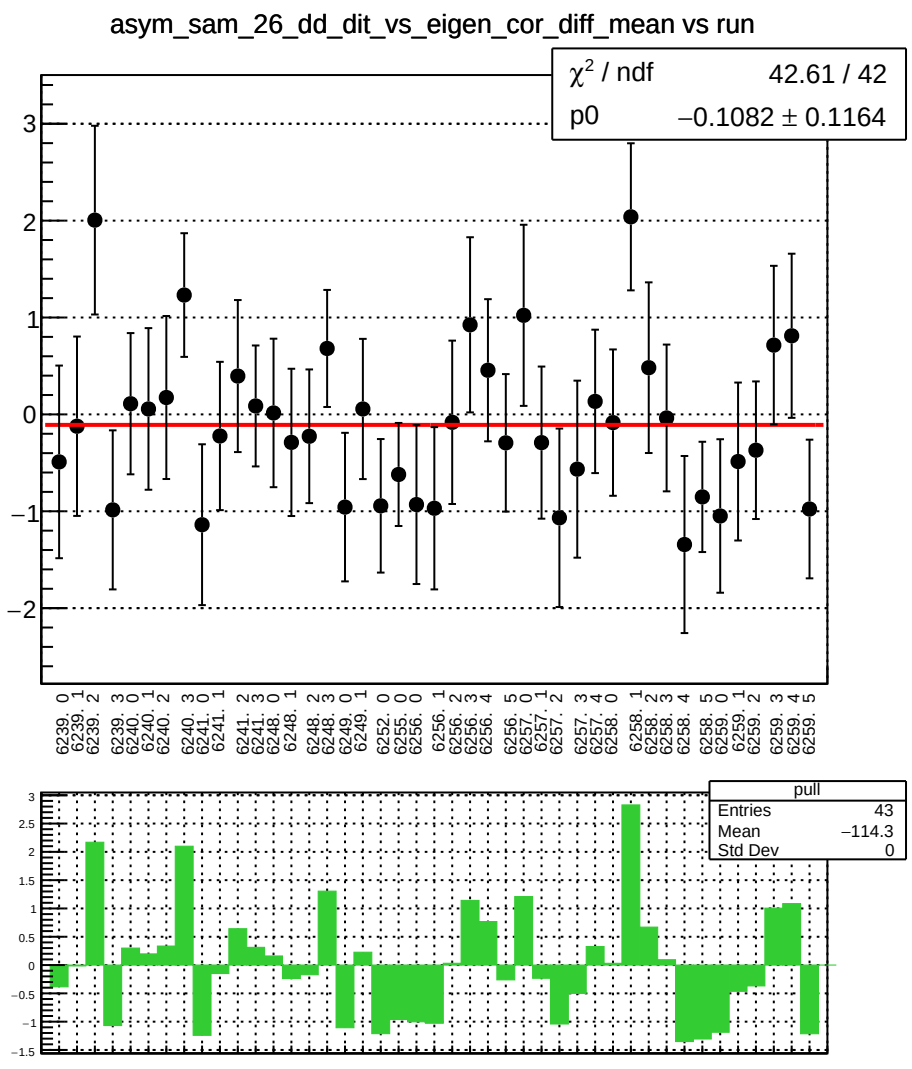

pull1D
Entries 43
Mean −0.0401
Std Dev 0.9287
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

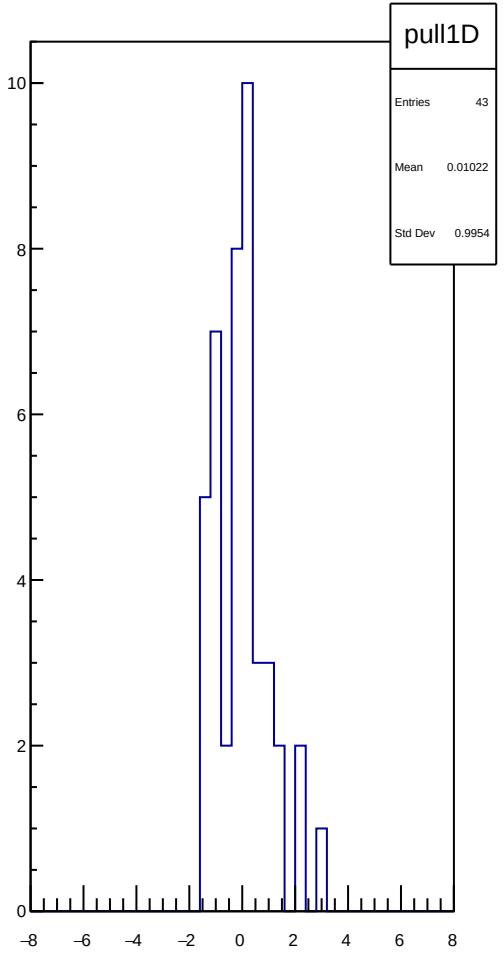

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.026e+05 / 42
p0 8.134e−11 ± 1.575e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

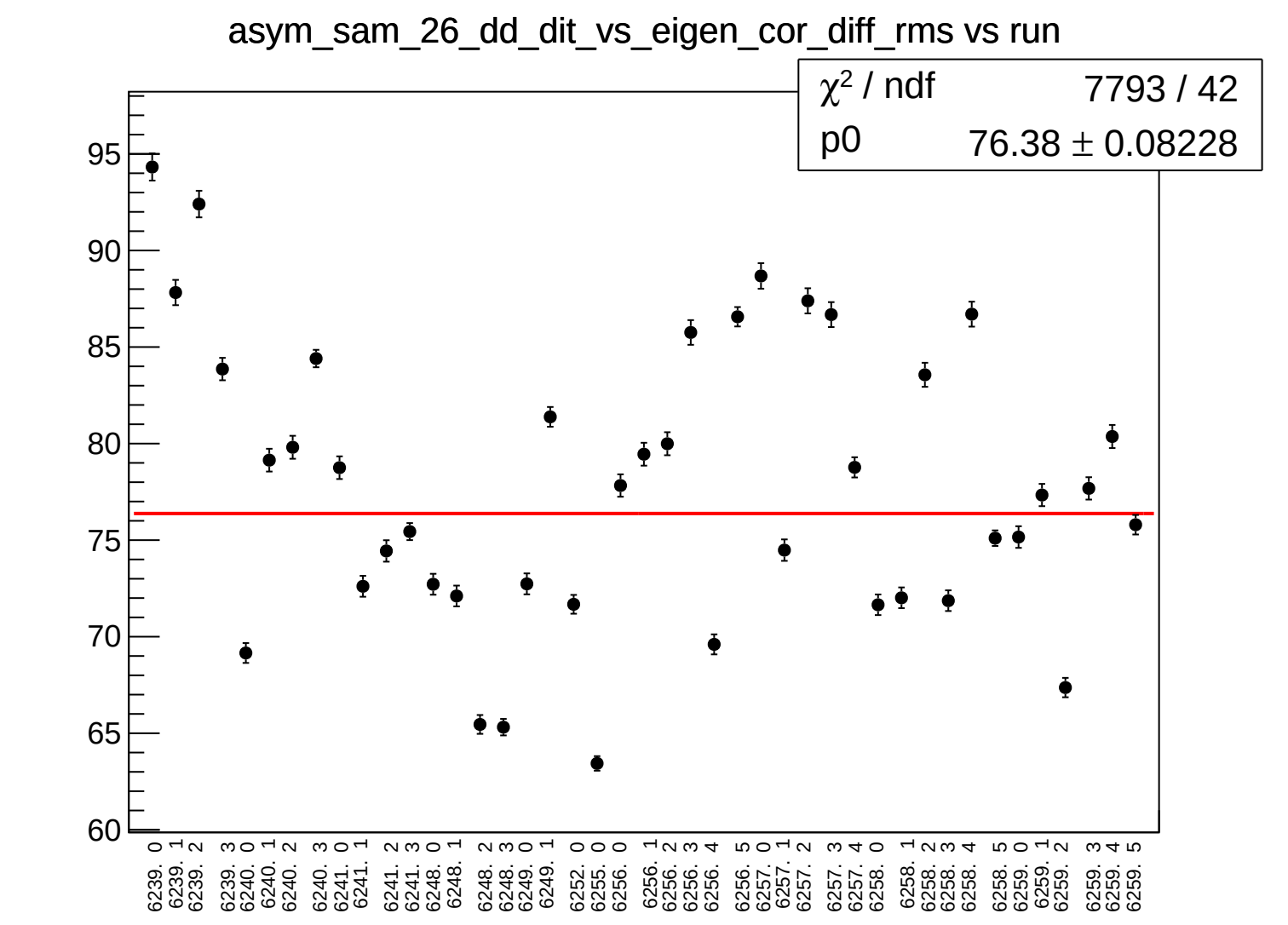

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.61 / 42
p0 −0.1082 ± 0.1164
pull
Entries 43
Mean −114.3
Std Dev 0

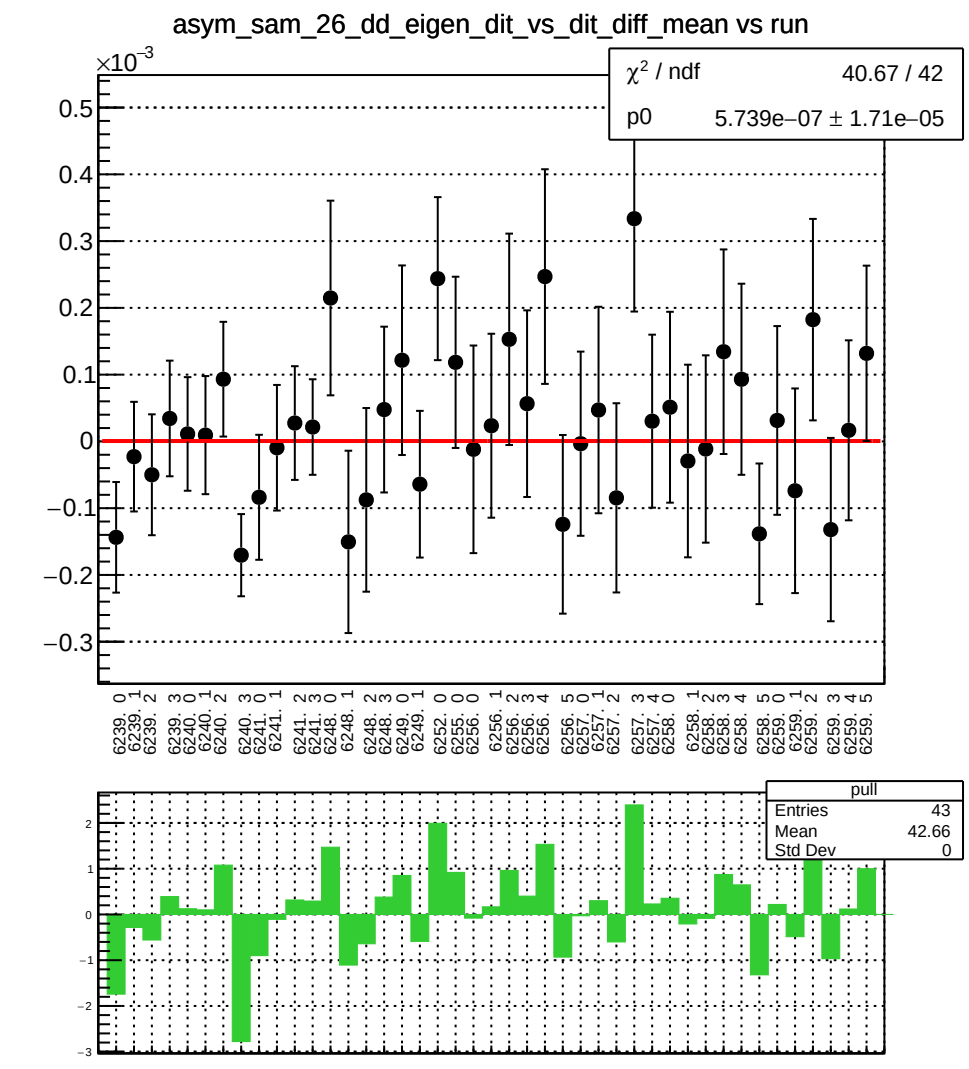

pull1D
Entries 43
Mean 0.01022
Std Dev 0.9954

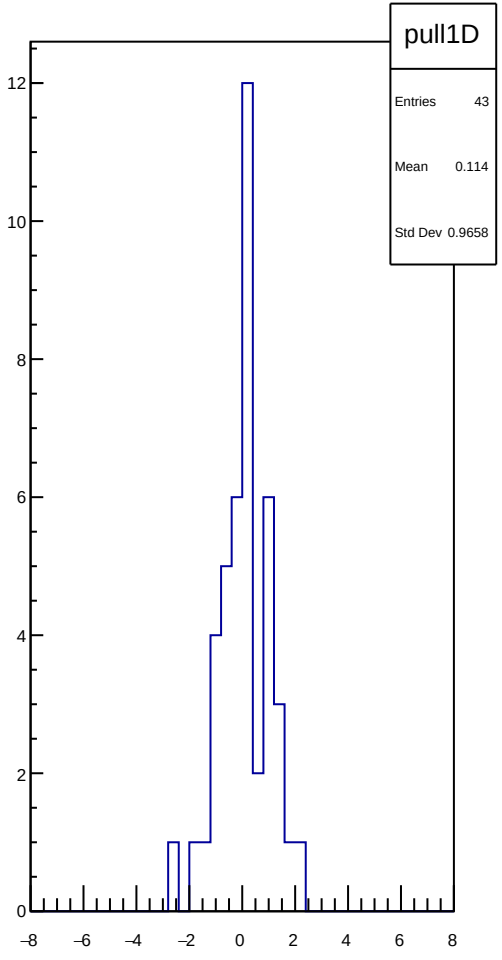

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7793 / 42
p0 76.38 ± 0.08228
95
90
85
80
75
70
65
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

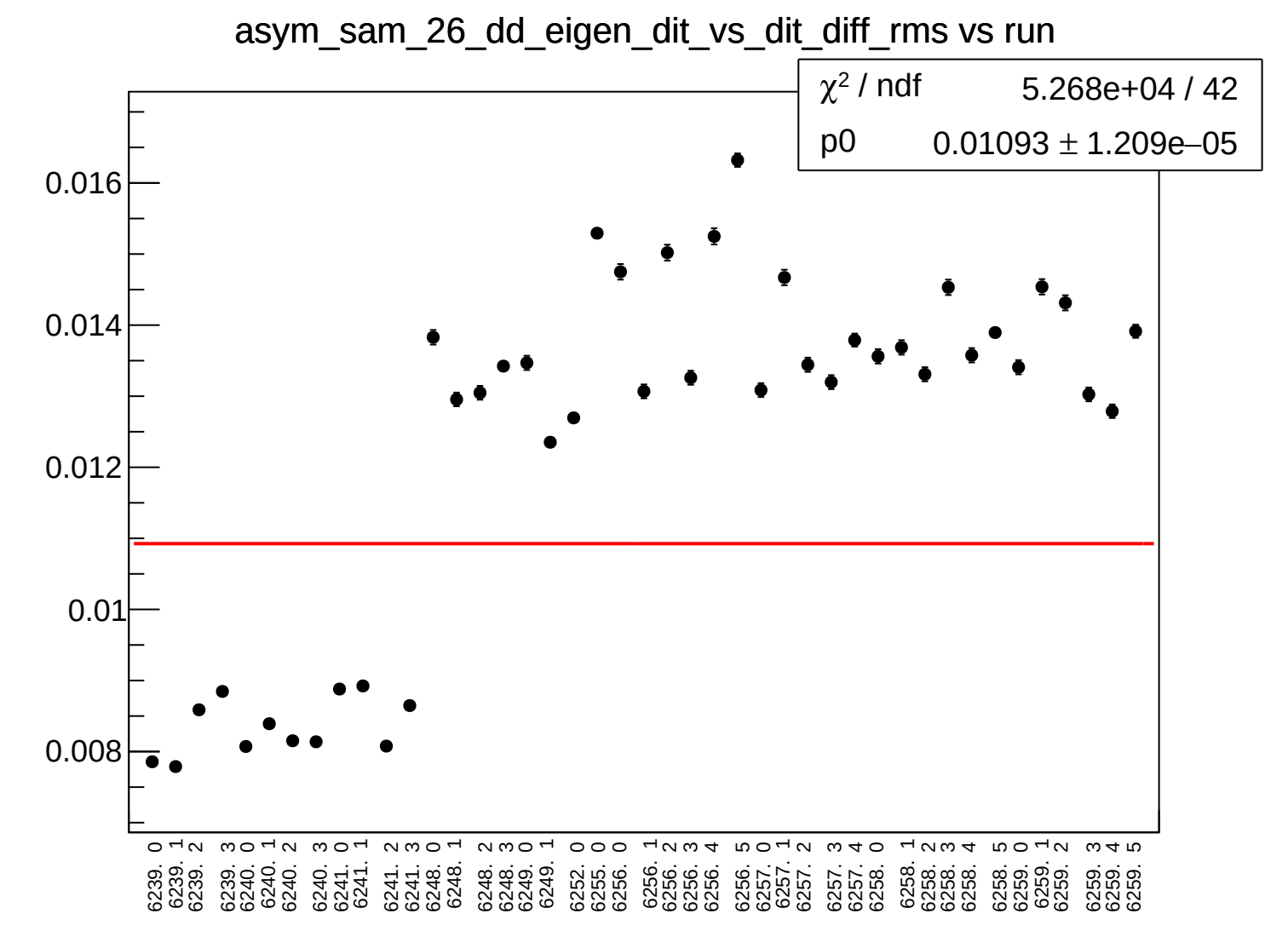

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.61 / 42
p0 −0.1082 ± 0.1164
pull
Entries 43
Mean −114.3
Std Dev 0

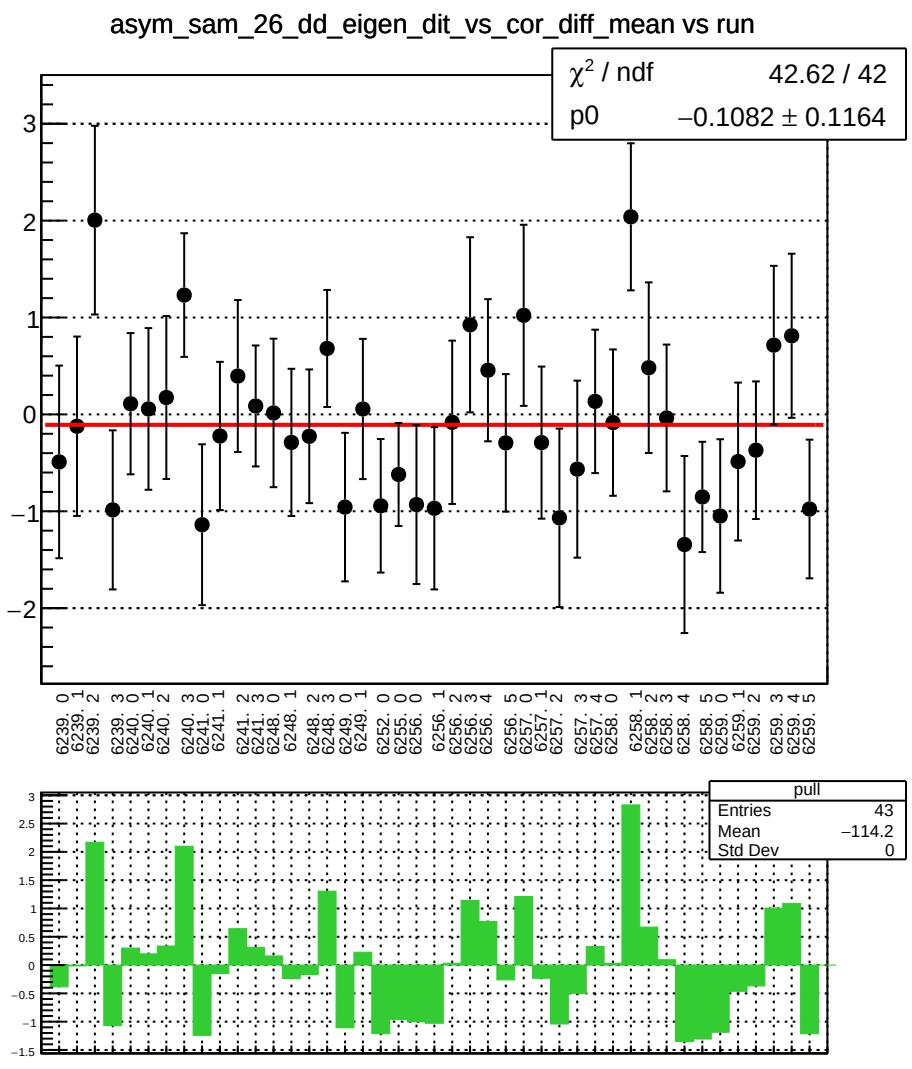

pull1D
Entries 43
Mean 0.01022
Std Dev 0.9954

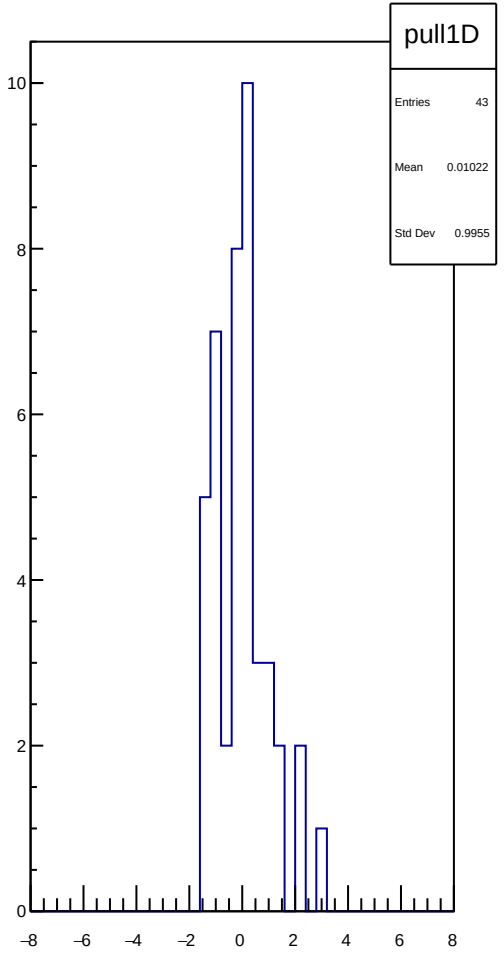

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7793 / 42
p0 76.38 ± 0.08228
95
90
85
80
75
70
65
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

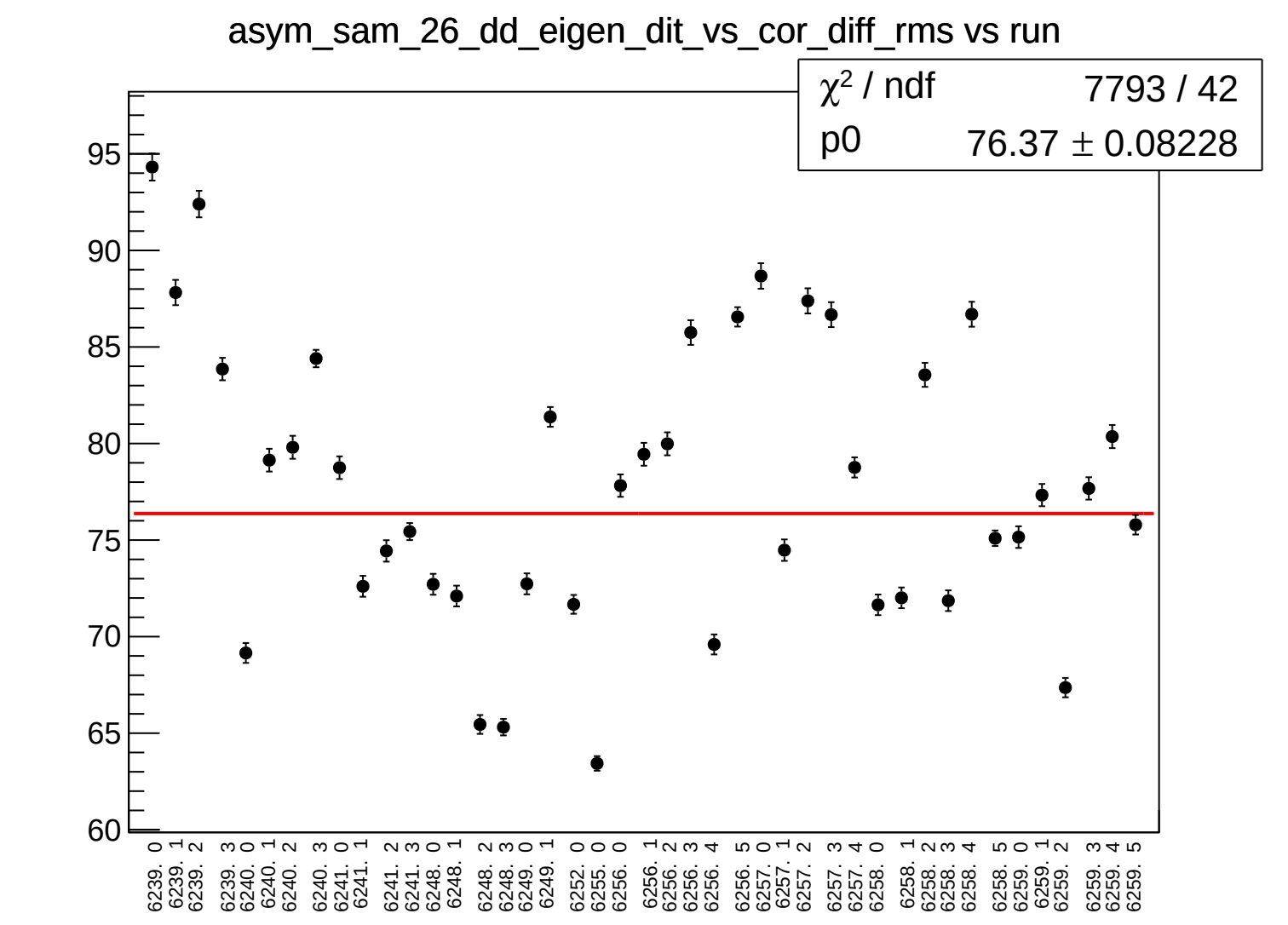

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.67 / 42
p0 5.739e−07 ± 1.71e−05
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.66
Std Dev 0
2
1
0
−1
−2
−3

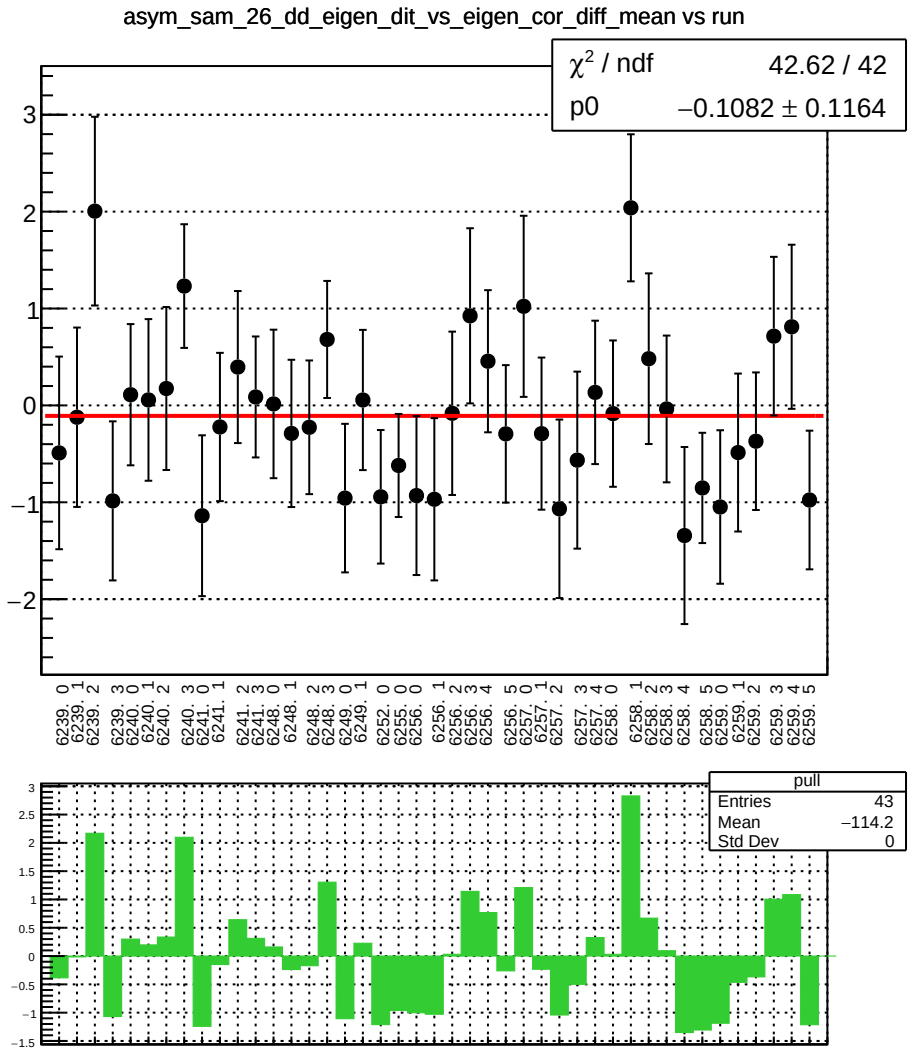

pull1D
Entries 43
Mean 0.114
Std Dev 0.9658
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

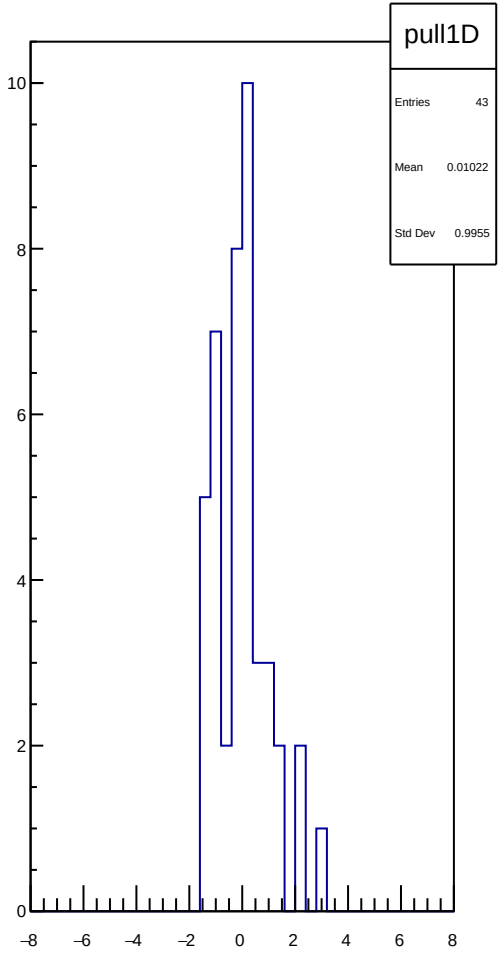

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.268e+04 / 42
p0 0.01093 ± 1.209e–05
0.016
0.014
0.012
0.01
0.008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

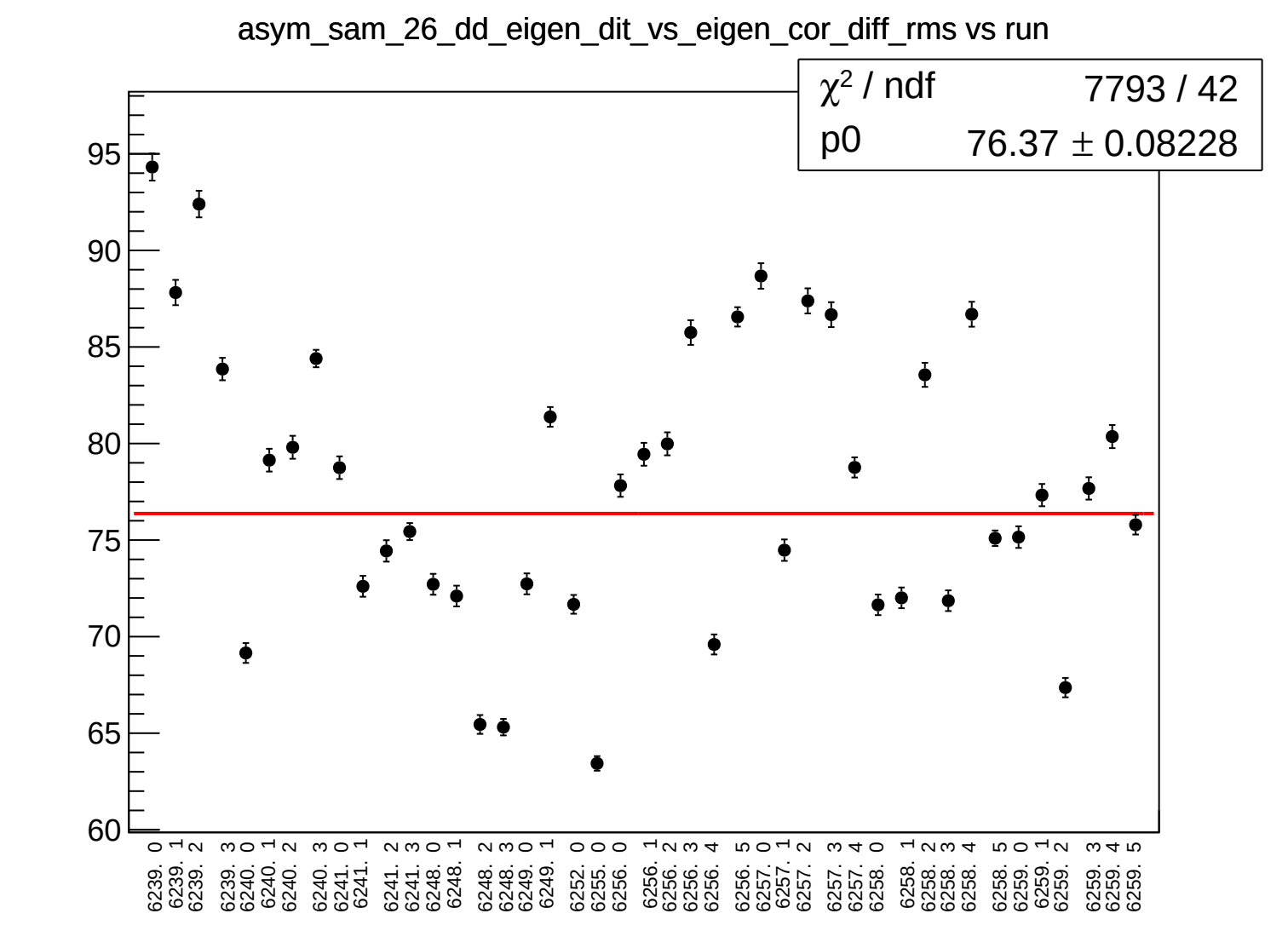

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.62 / 42
p0 −0.1082 ± 0.1164
3
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −114.2
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

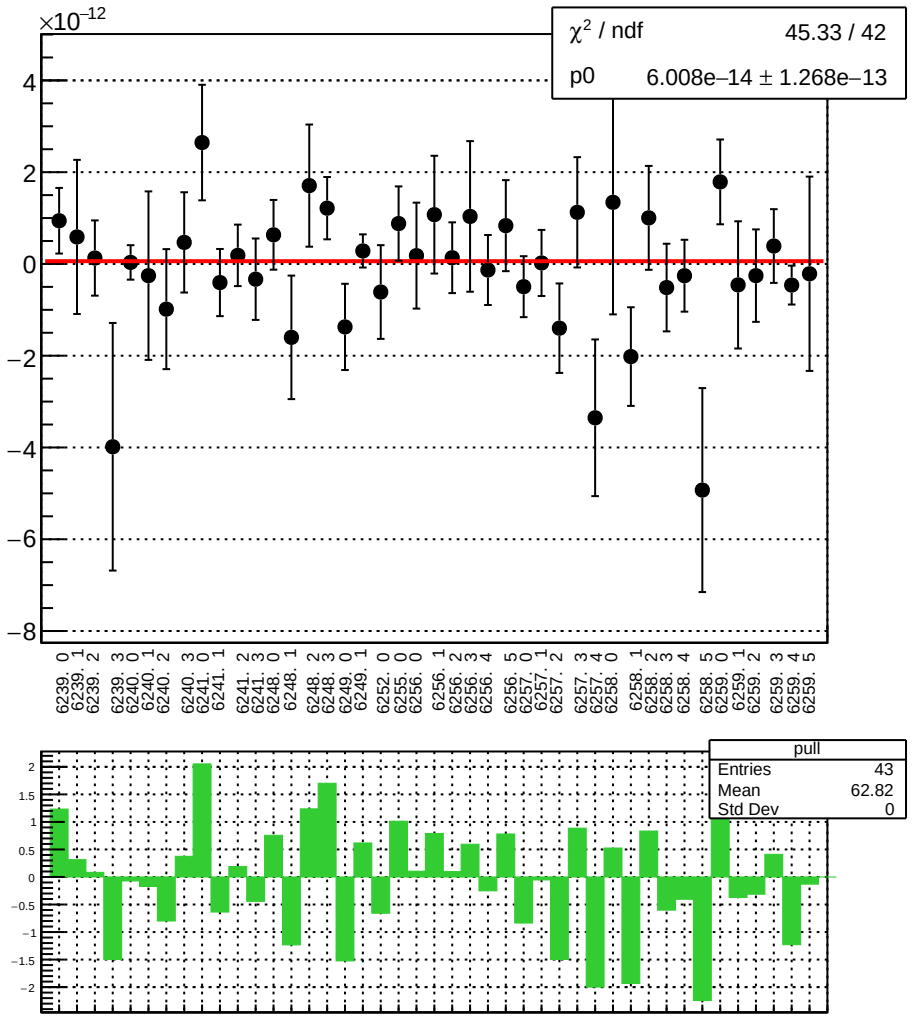

pull1D
Entries 43
Mean 0.01022
Std Dev 0.9955
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

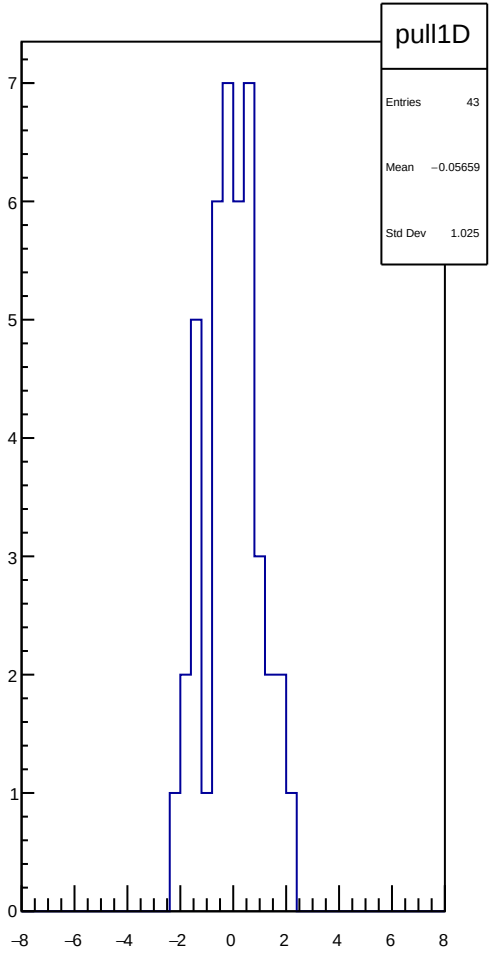

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7793 / 42
p0 76.37 ± 0.08228
95
90
85
80
75
70
65
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

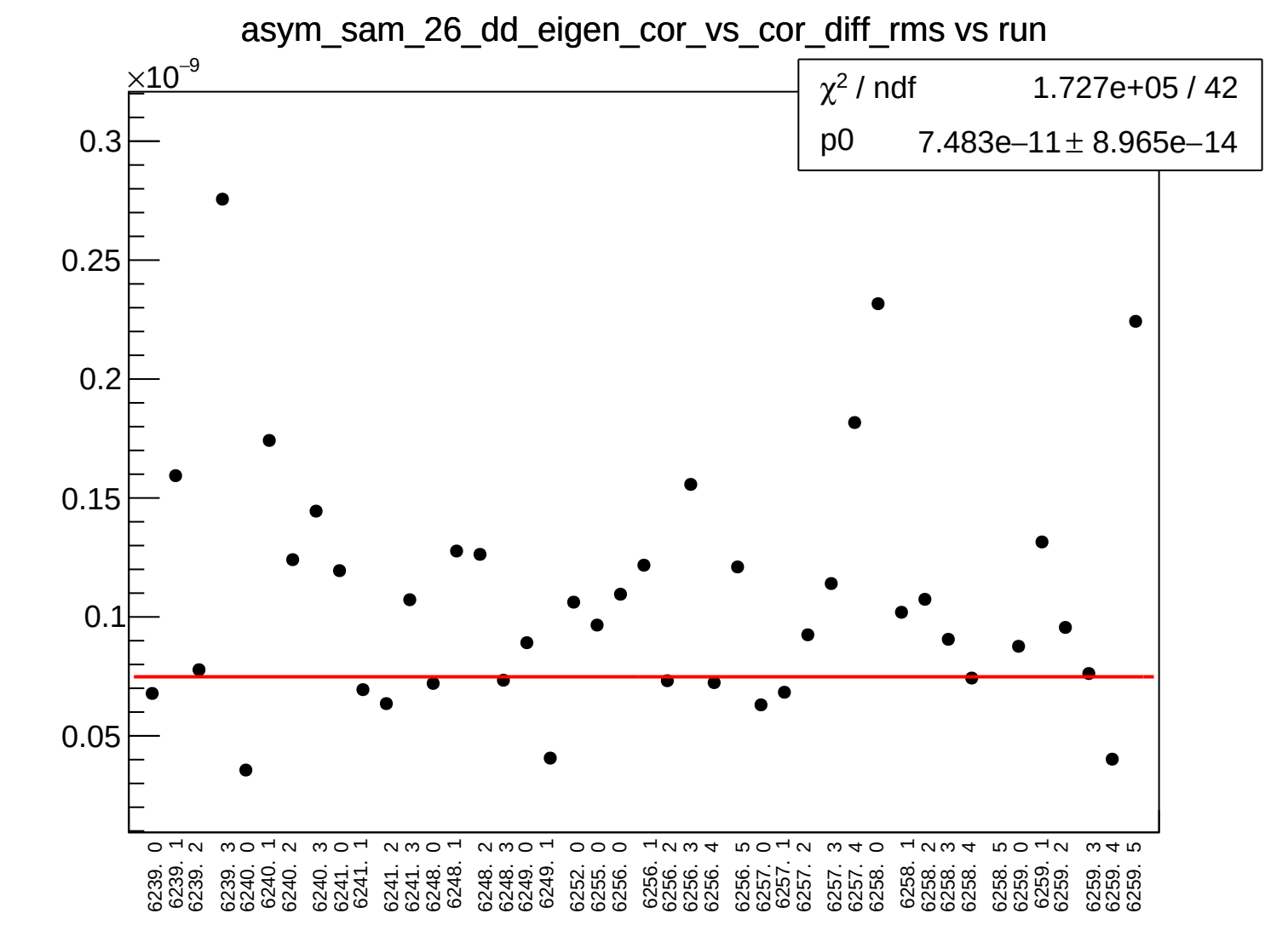

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.62 / 42
p0 −0.1082 ± 0.1164
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −114.2
Std Dev 0

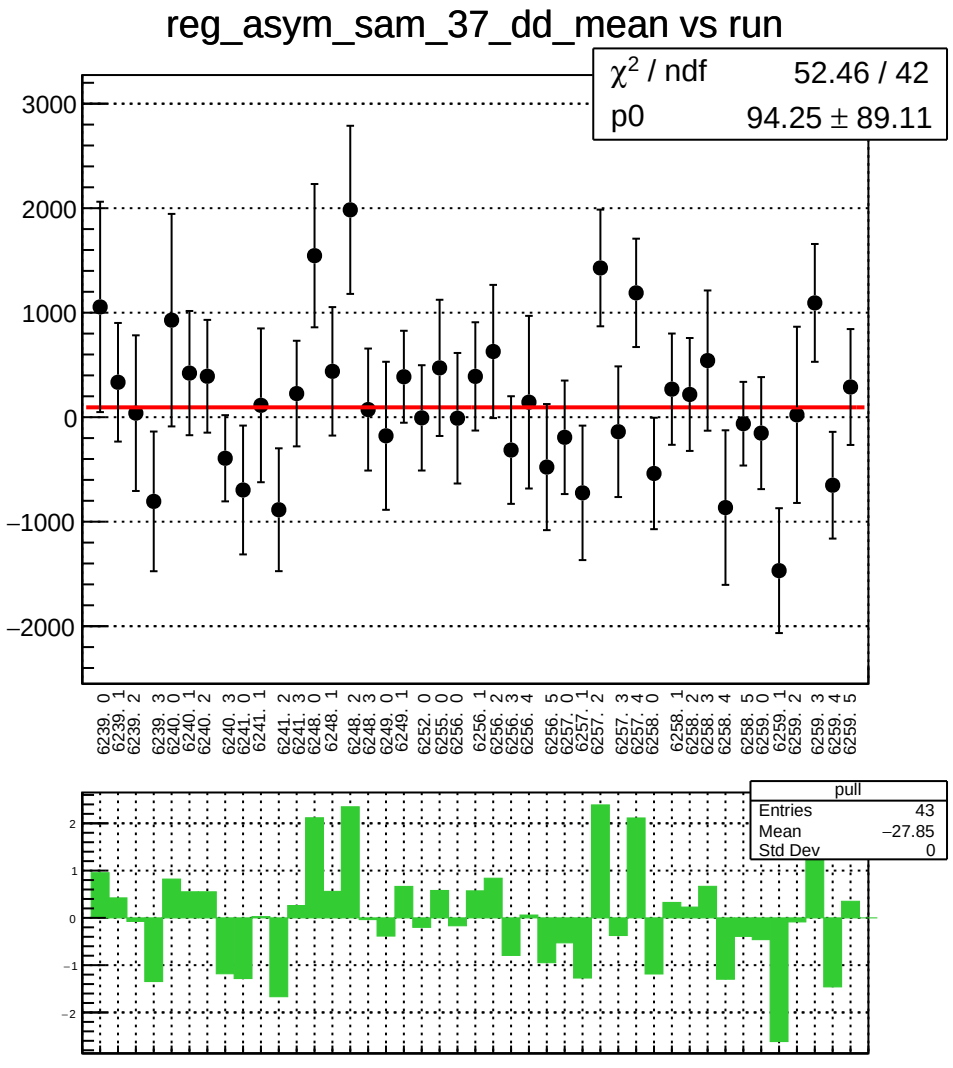

pull1D
Entries 43
Mean 0.01022
Std Dev 0.9955

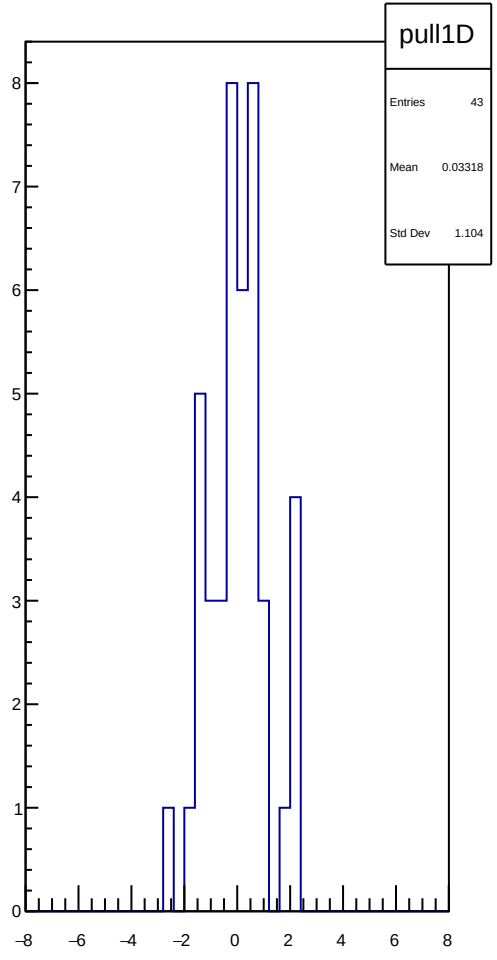

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7793 / 42
p0 76.37 ± 0.08228
95
90
85
80
75
70
65
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

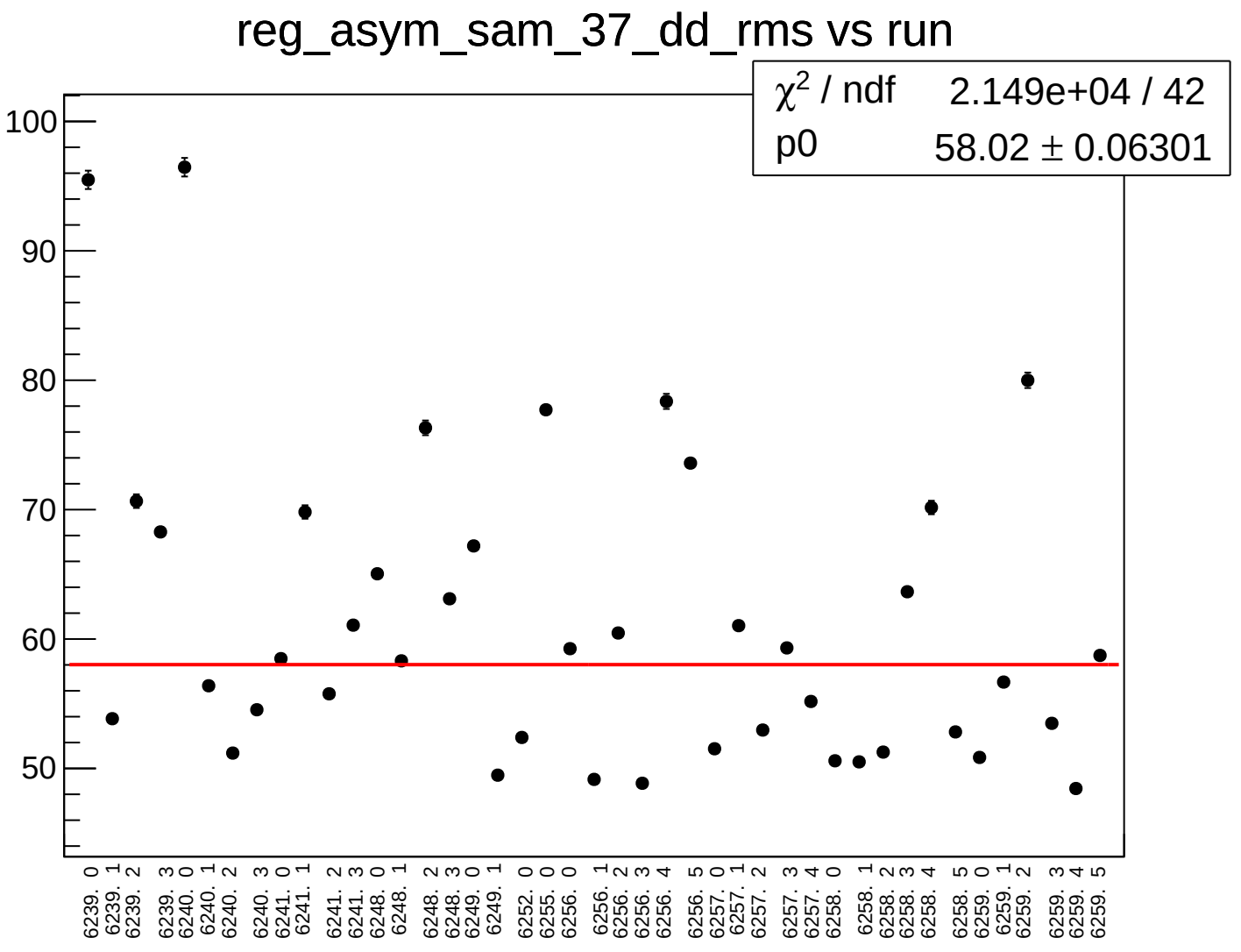

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 45.33 / 42
p0 6.008e−14 ± 1.268e−13
pull
Entries 43
Mean 62.82
Std Dev 0

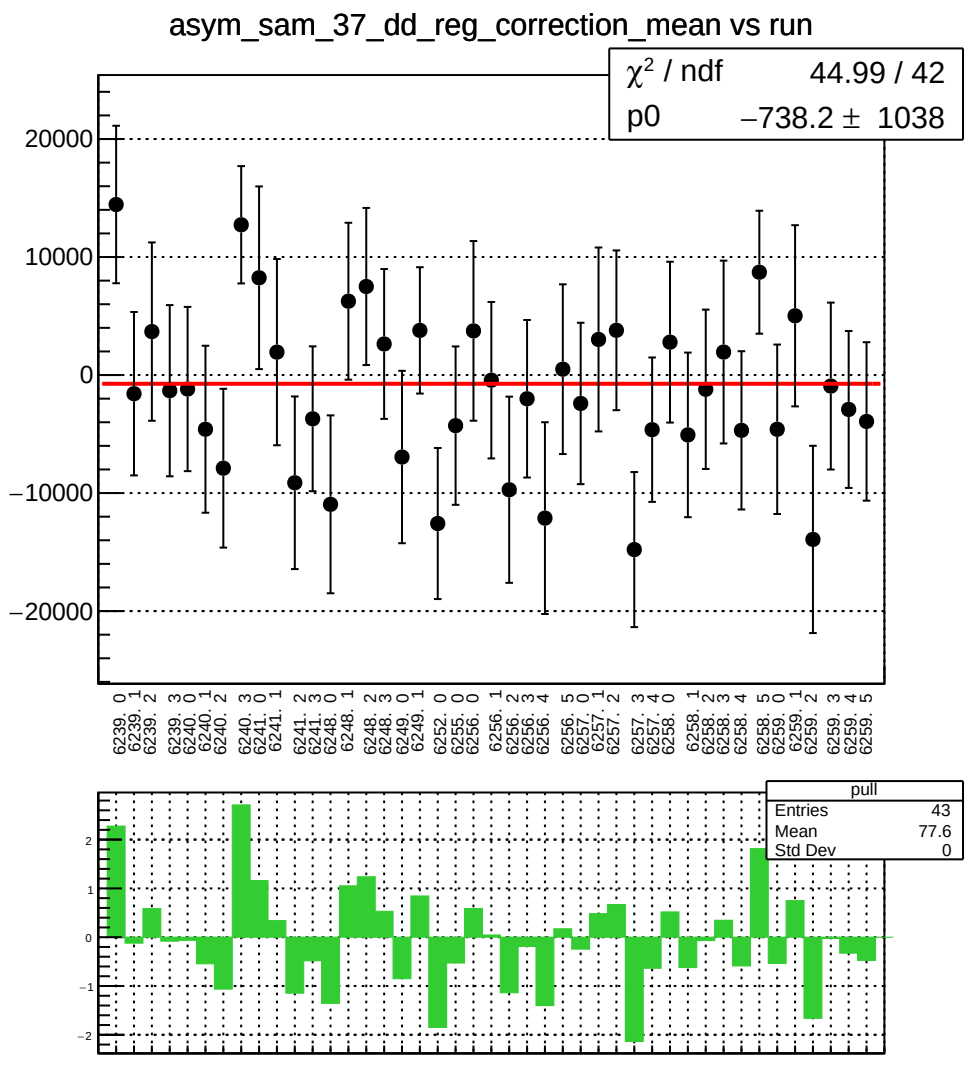

pull1D
Entries 43
Mean −0.05659
Std Dev 1.025

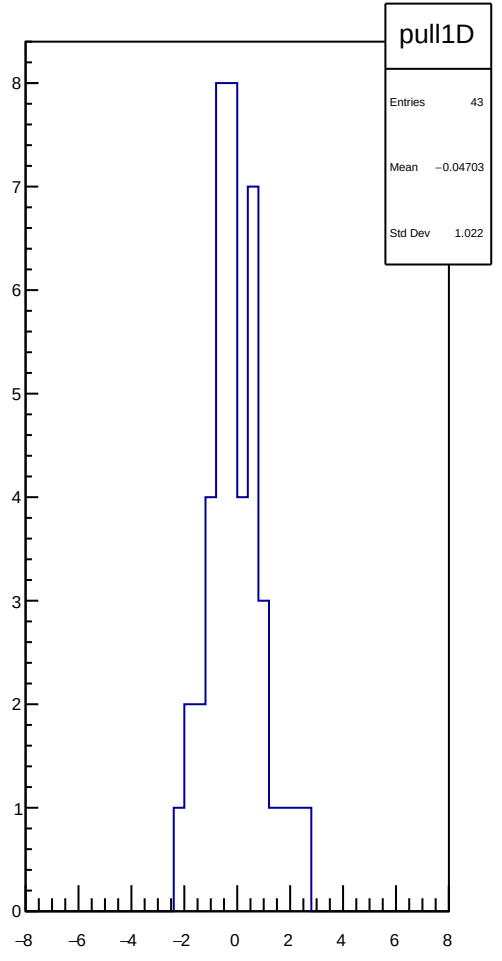

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.727e+05 / 42
p0 7.483e−11 ± 8.965e−14
0.3
0.25
0.2
0.15
0.1
0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

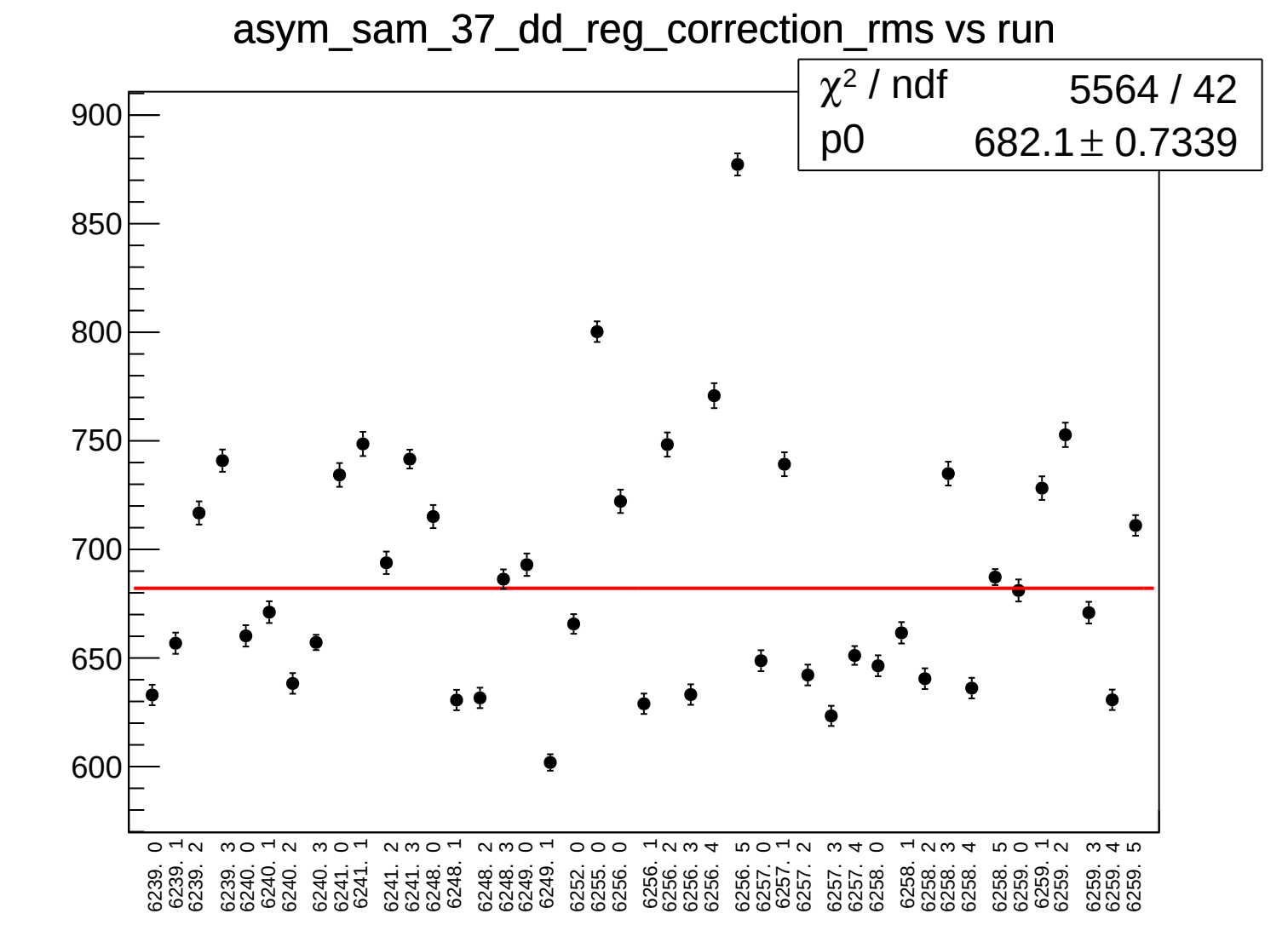

reg_asym_sam_37_dd_mean vs run
χ² / ndf 52.46 / 42
p0 94.25 ± 89.11
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −27.85
Std Dev 0
2
1
0
−1
−2

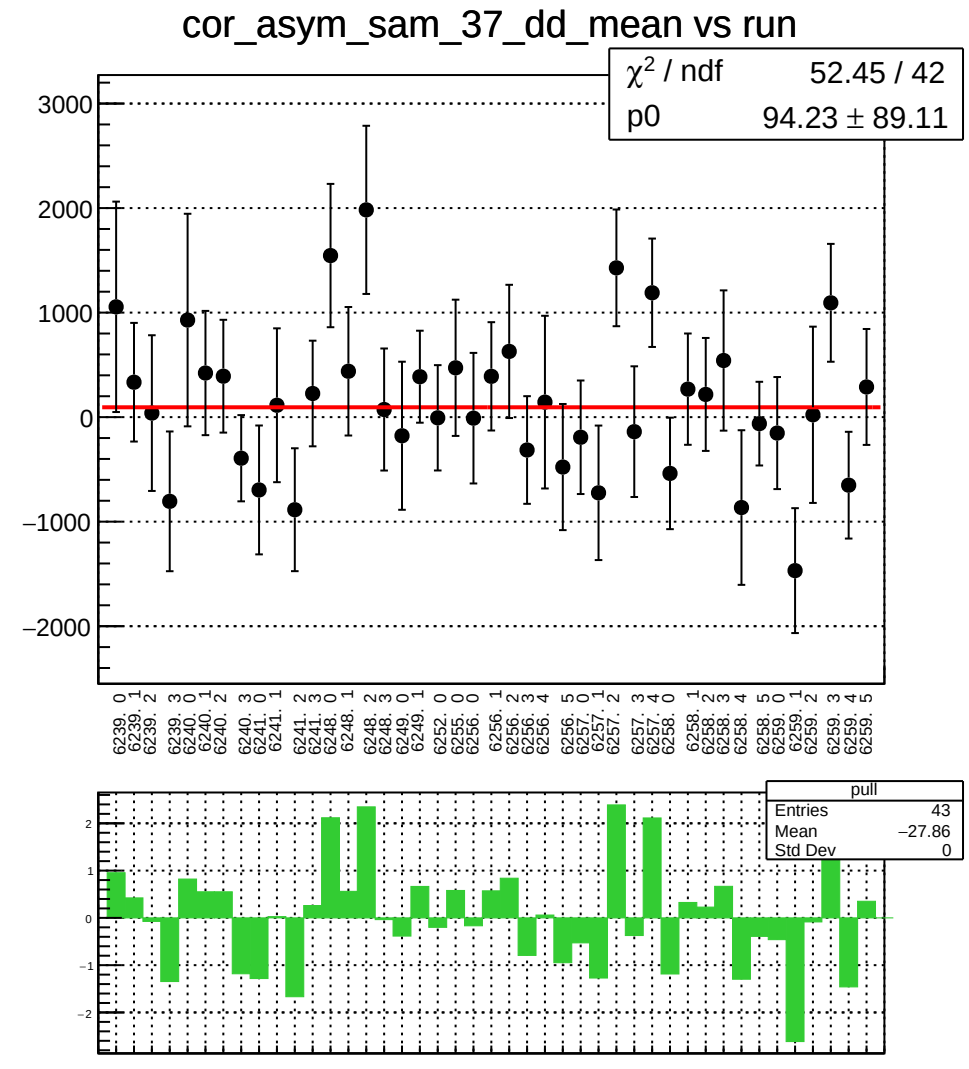

pull1D
Entries 43
Mean 0.03318
Std Dev 1.104
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

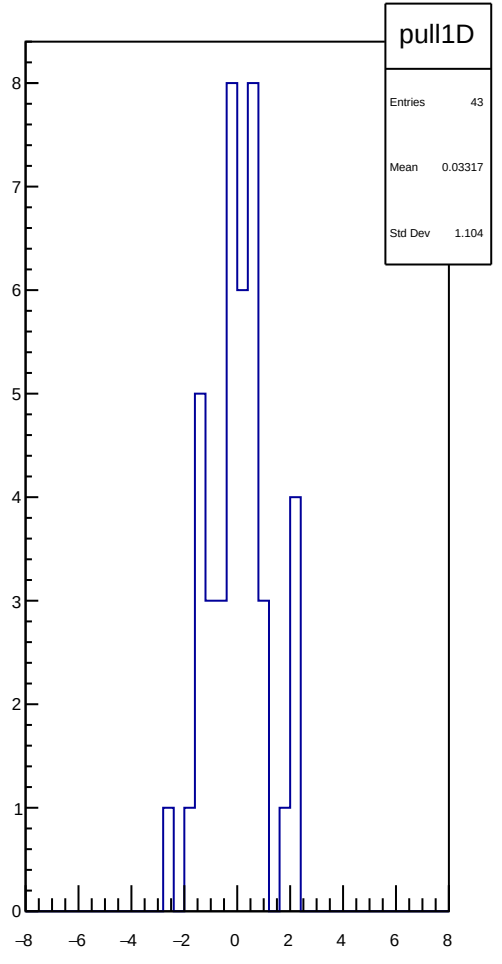

reg_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 2.149e+04 / 42
p0 58.02 ± 0.06301
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

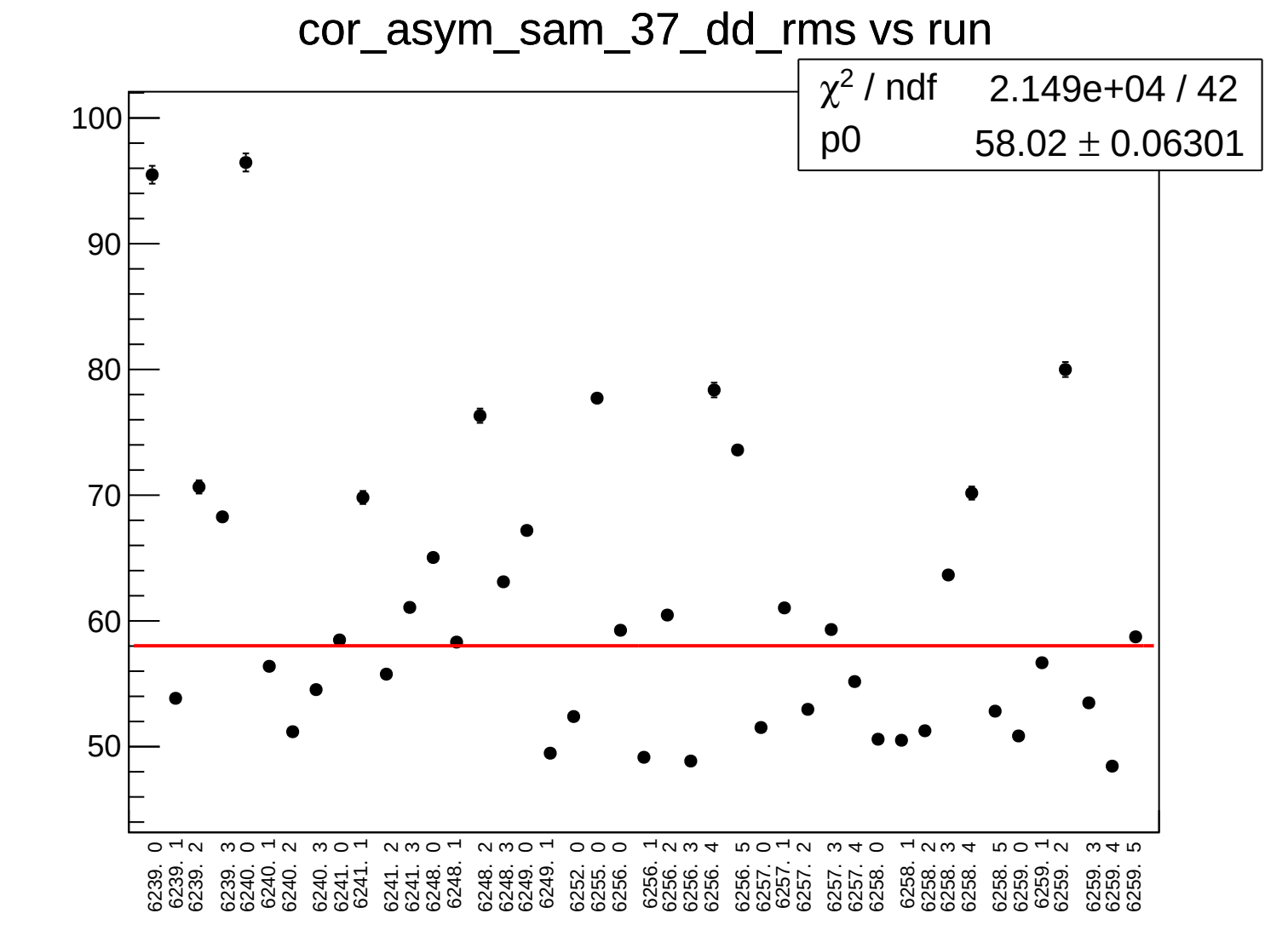

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 44.99 / 42
p0 −738.2 ± 1038
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 77.6
Std Dev 0
2
1
0
−1
−2

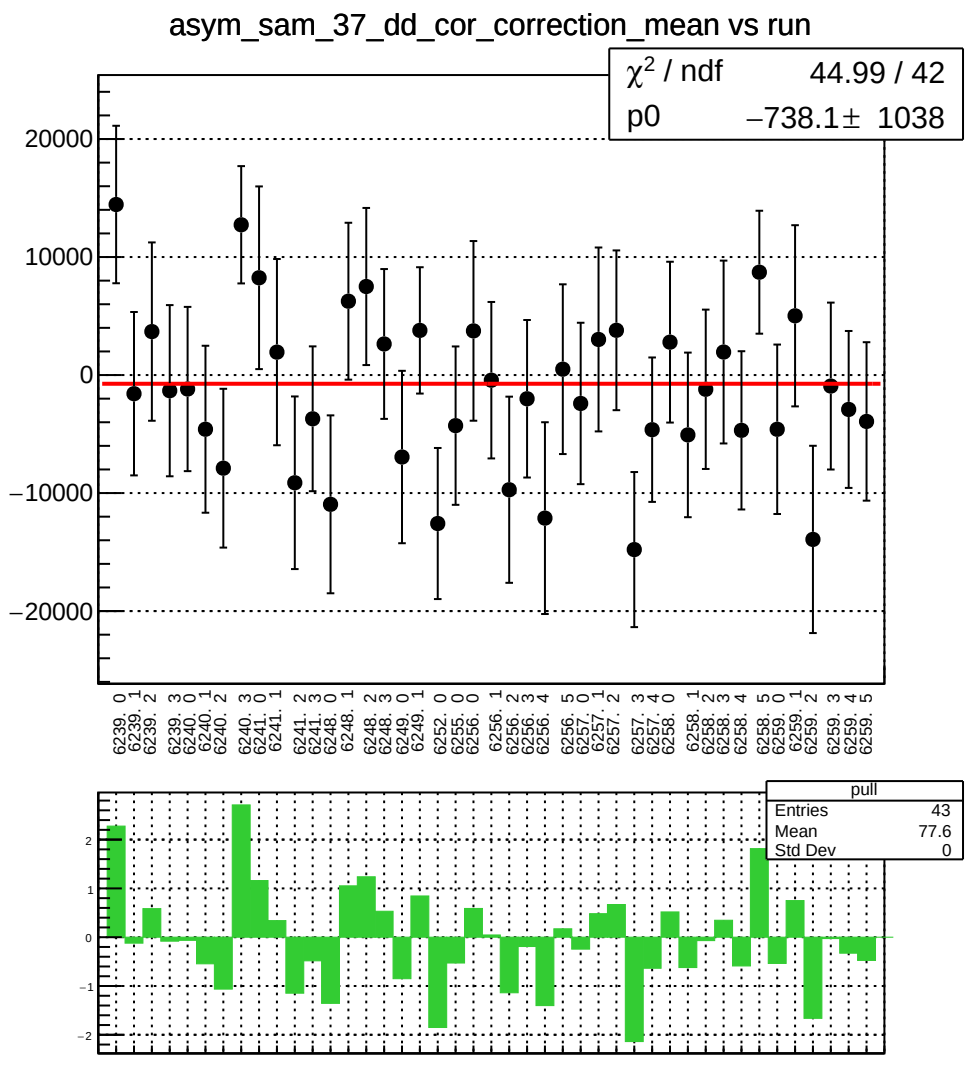

pull1D
Entries 43
Mean −0.04703
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

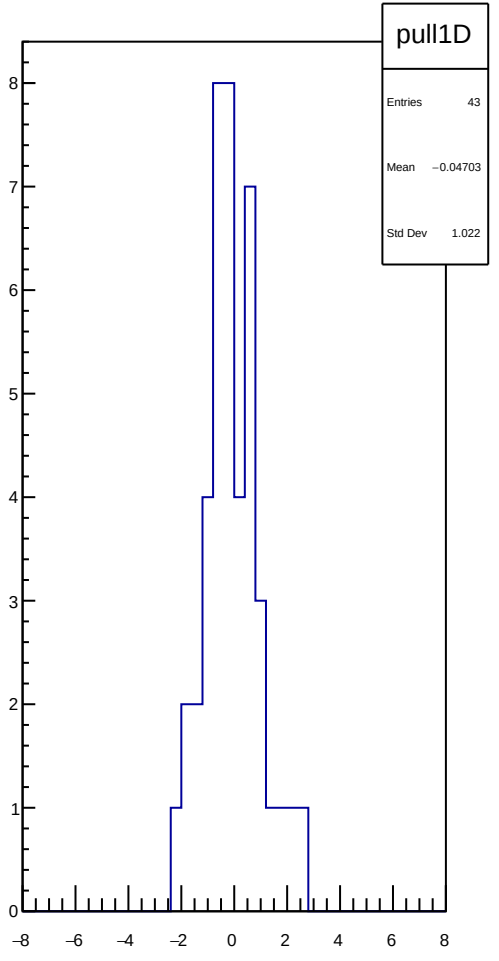

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 5564 / 42
p0 682.1 ± 0.7339
900
850
800
750
700
650
600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

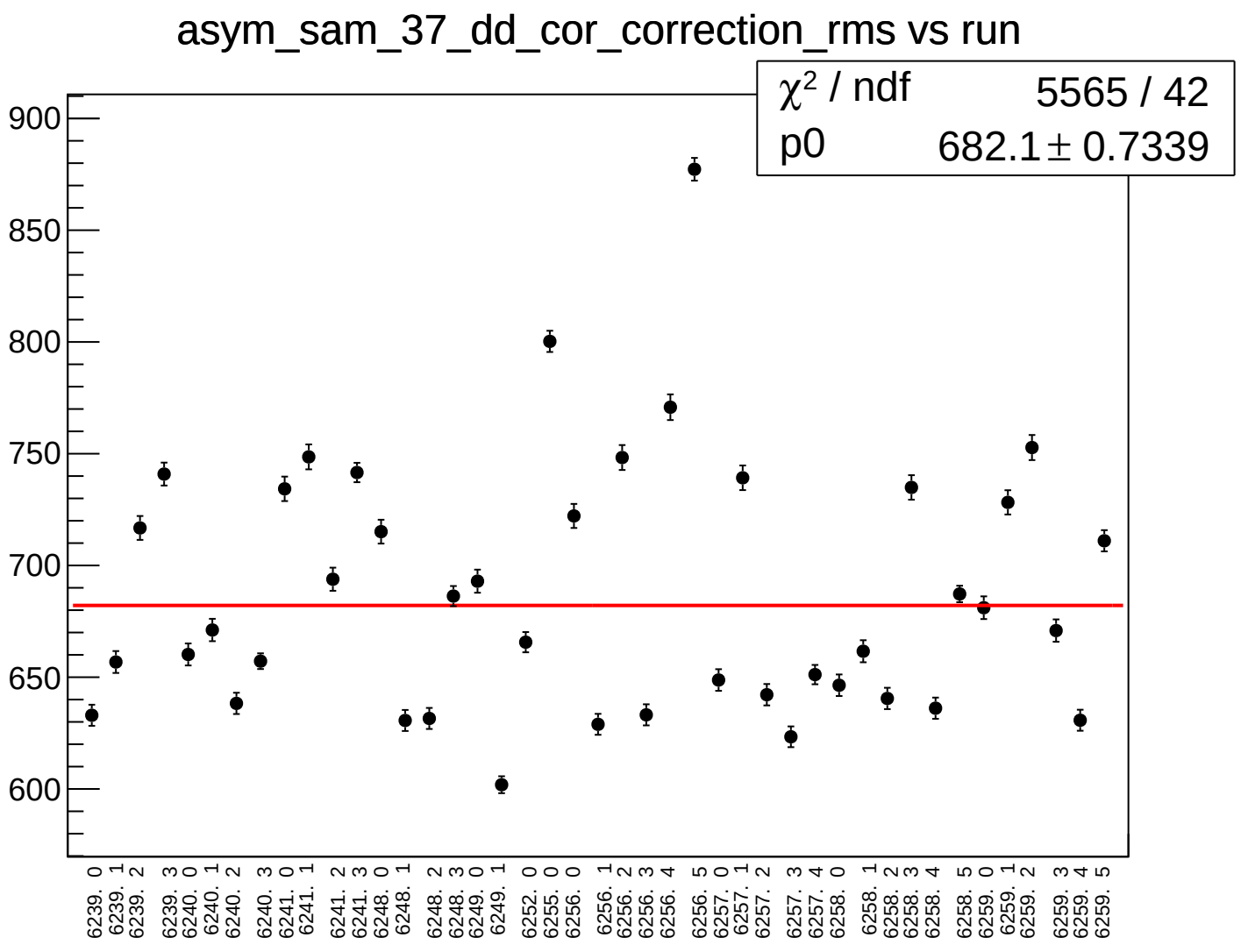

cor_asym_sam_37_dd_mean vs run
χ² / ndf 52.45 / 42
p0 94.23 ± 89.11
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −27.86
Std Dev 0
2
1
0
−1
−2

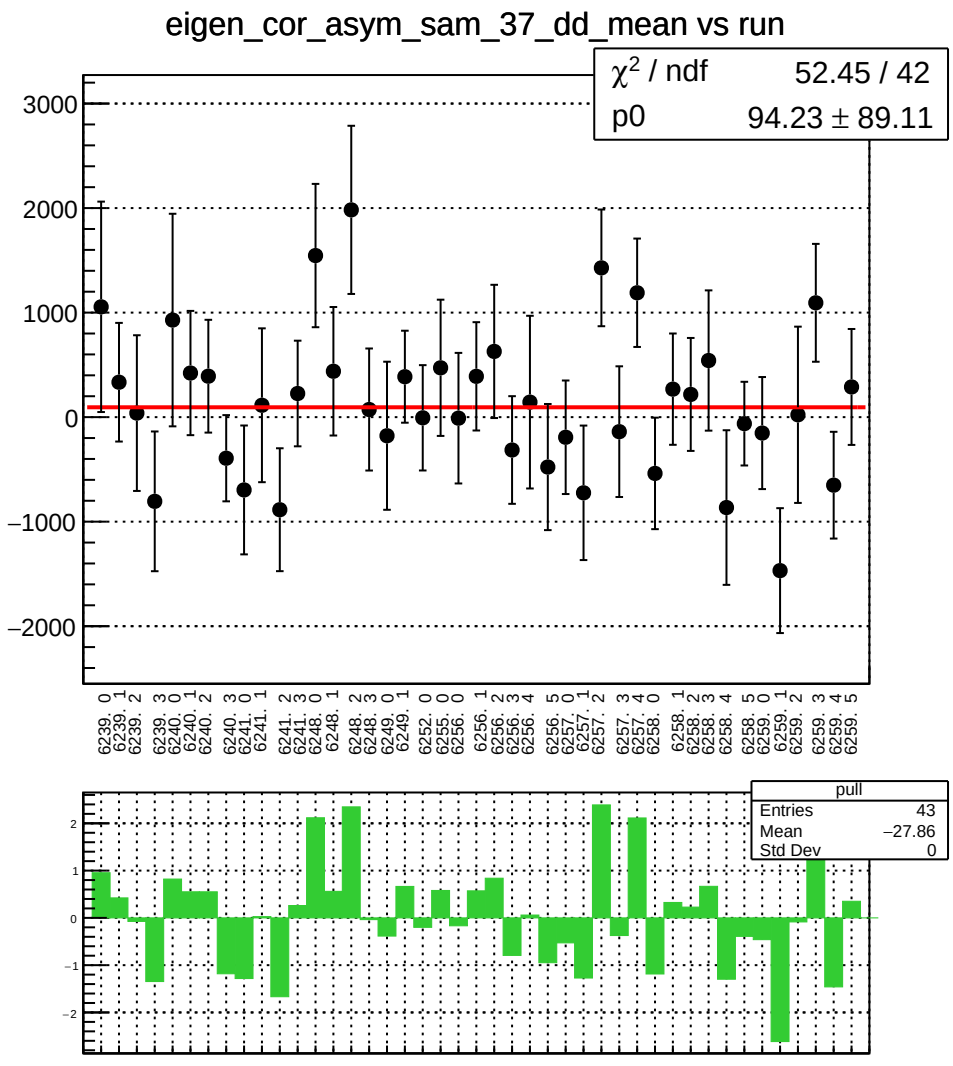

pull1D
Entries 43
Mean 0.03317
Std Dev 1.104
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

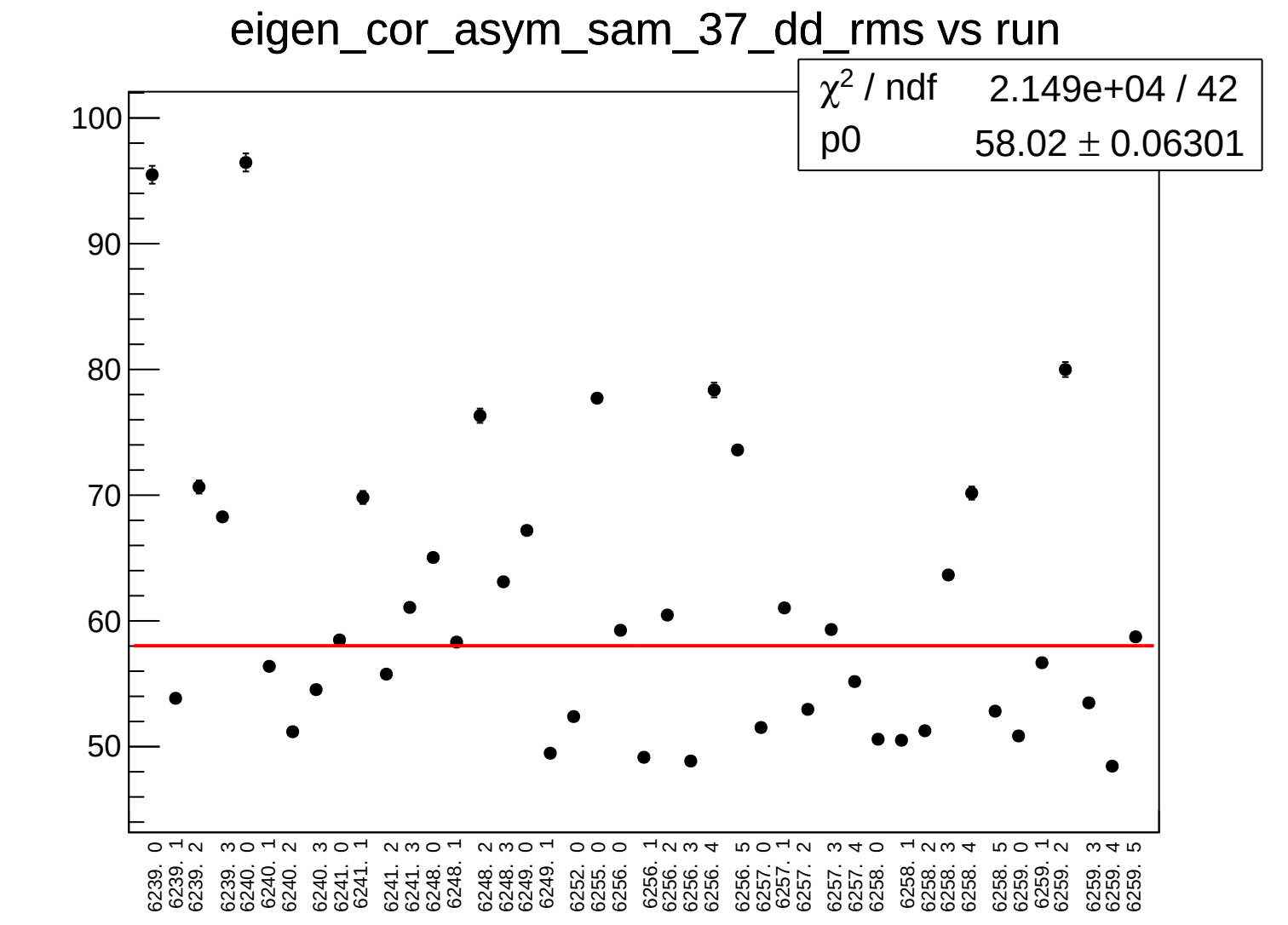

cor_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 2.149e+04 / 42
p0 58.02 ± 0.06301
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 44.99 / 42
p0 −738.1± 1038
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 77.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.04703
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 5565 / 42
p0 682.1 ± 0.7339
900
850
800
750
700
650
600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 52.45 / 42
p0 94.23 ± 89.11
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −27.86
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.03317
Std Dev 1.104
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.149e+04 / 42
p0 58.02 ± 0.06301
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 5
6259. 0
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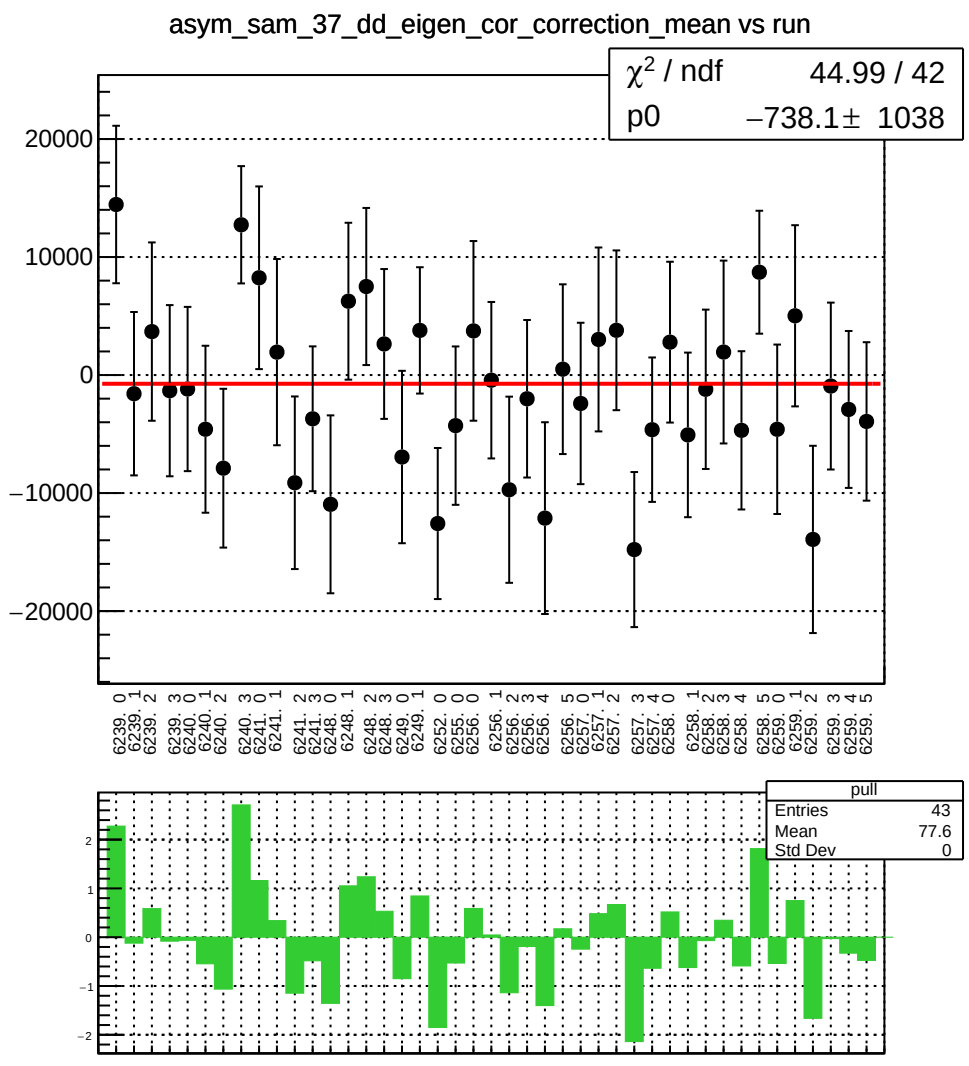
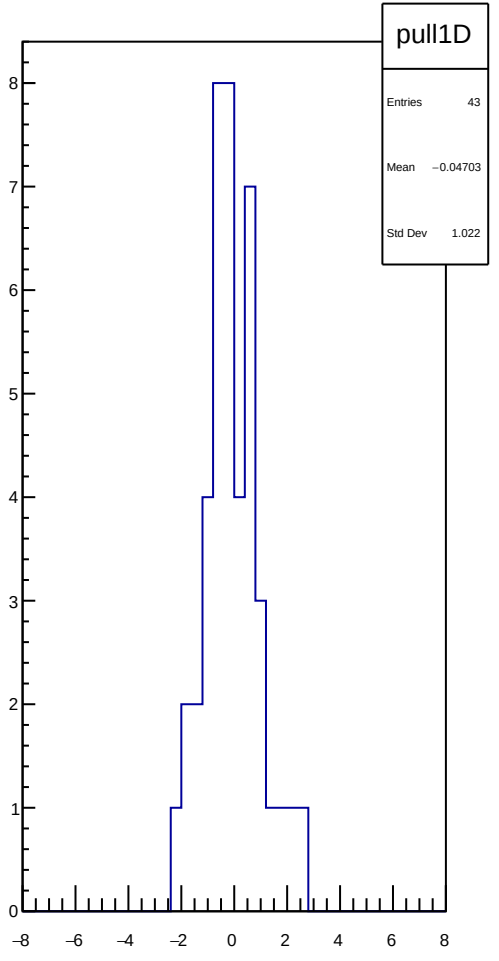
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 44.99 / 42
p0 −738.1± 1038
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 77.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.04703
Std Dev 1.022
8
7
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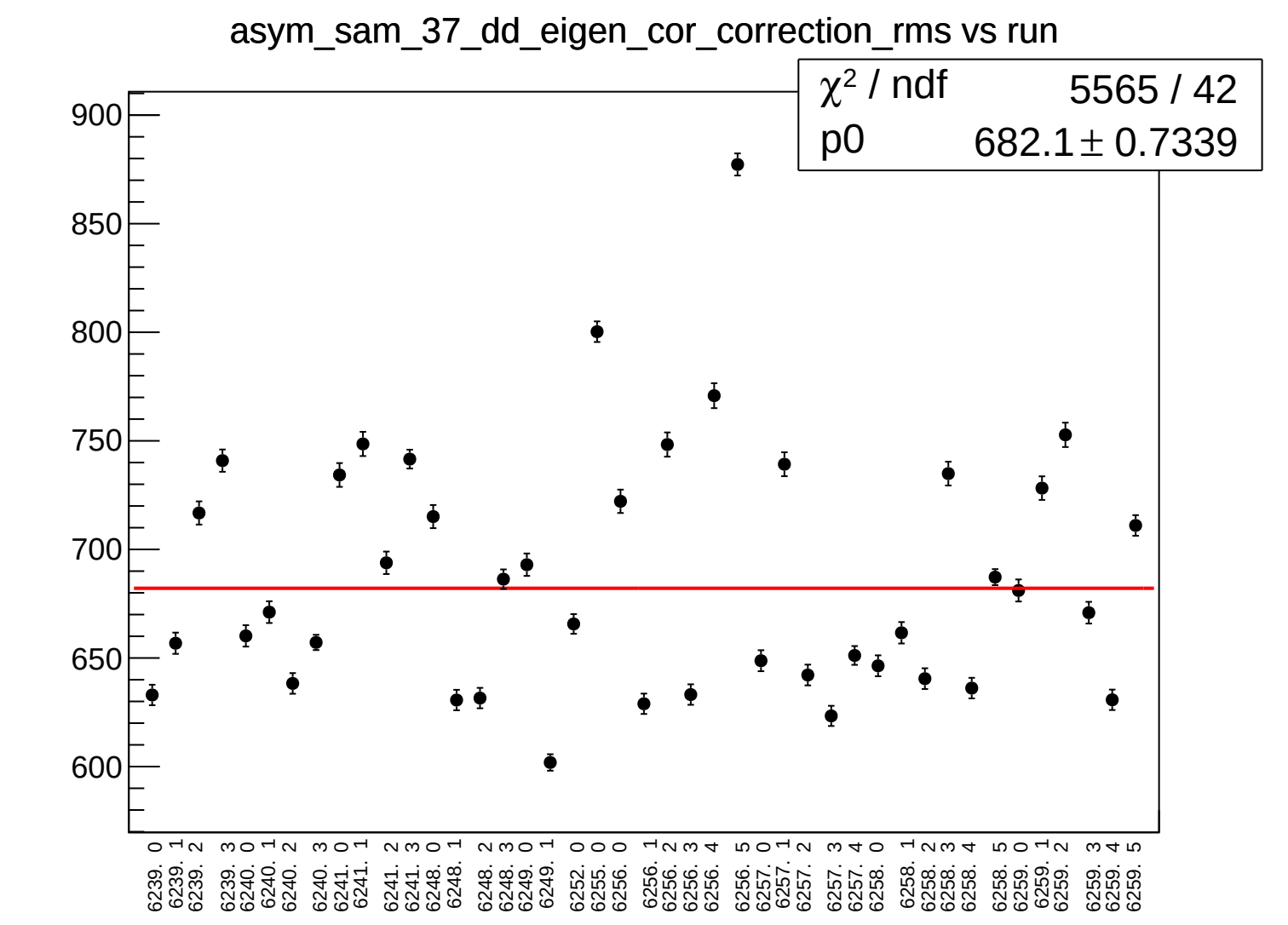
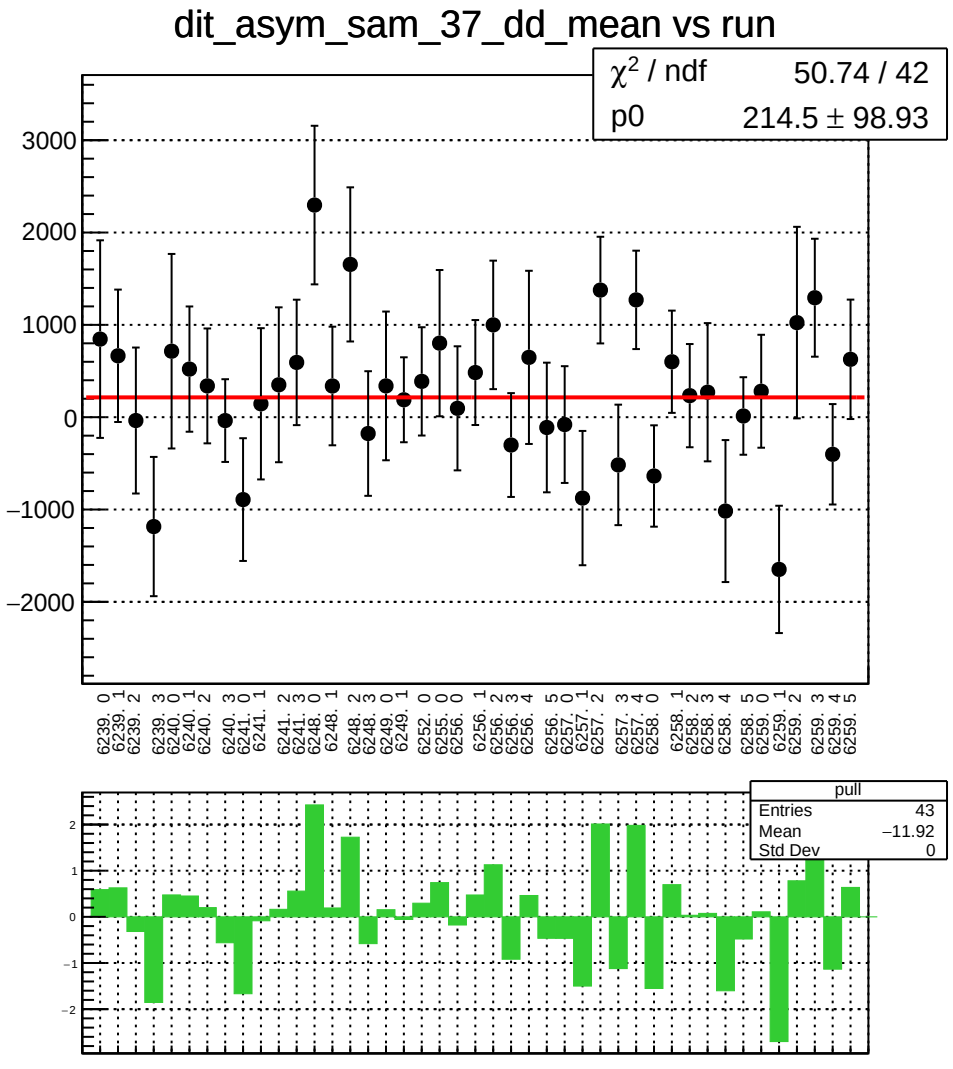
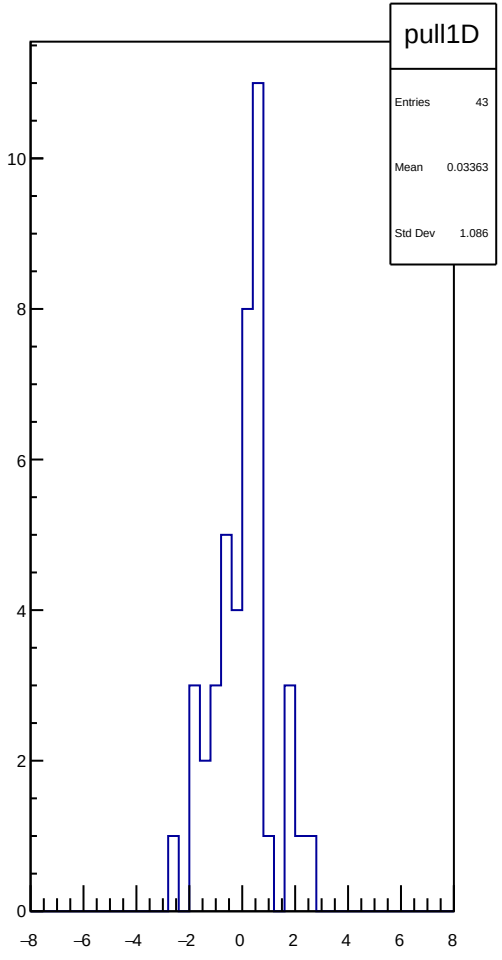
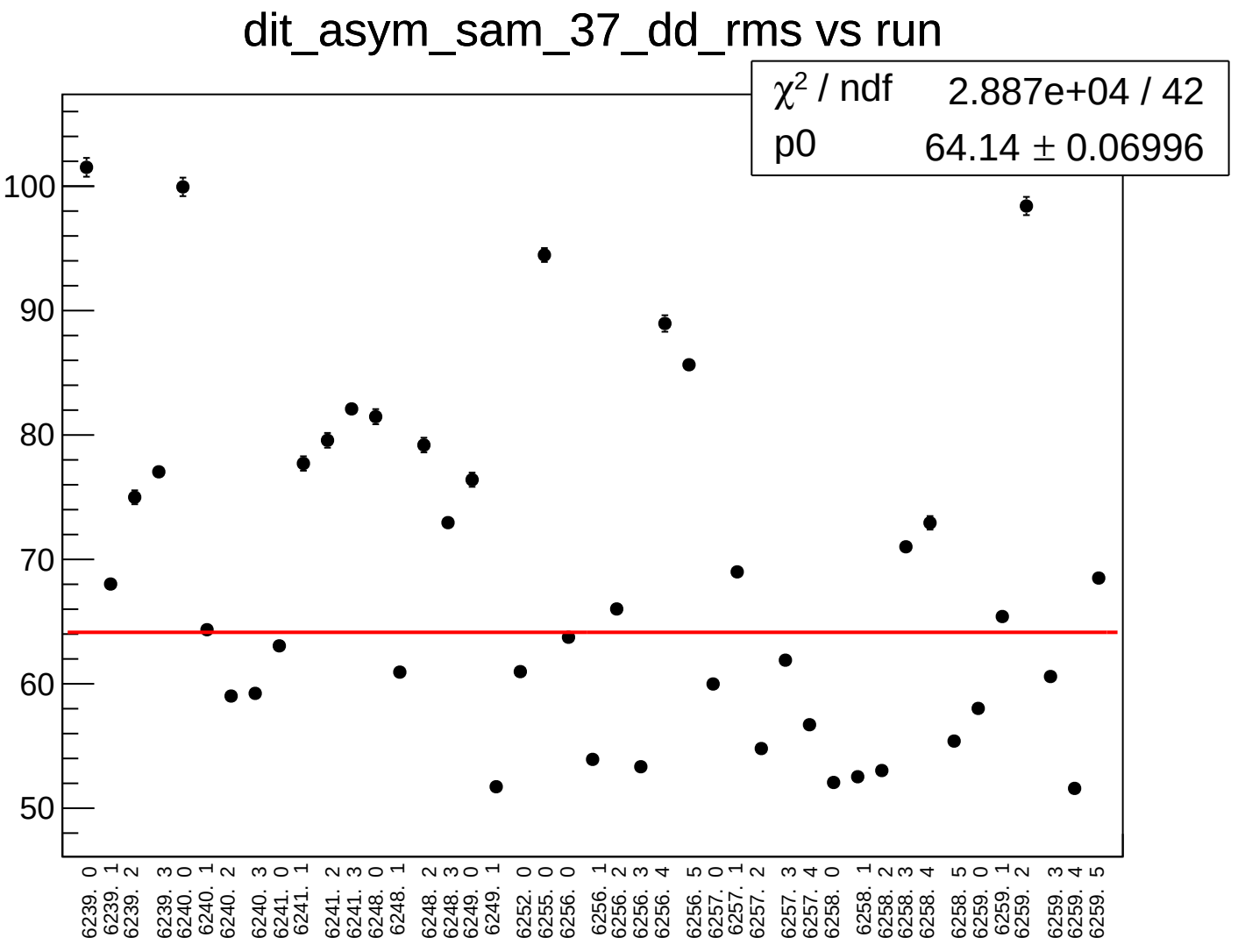
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5565 / 42
p0 682.1 ± 0.7339
900
850
800
750
700
650
600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_sam_37_dd_mean vs run
χ² / ndf 50.74 / 42
p0 214.5 ± 98.93
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −11.92
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03363
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.887e+04 / 42
p0 64.14 ± 0.06996
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
6248. 3
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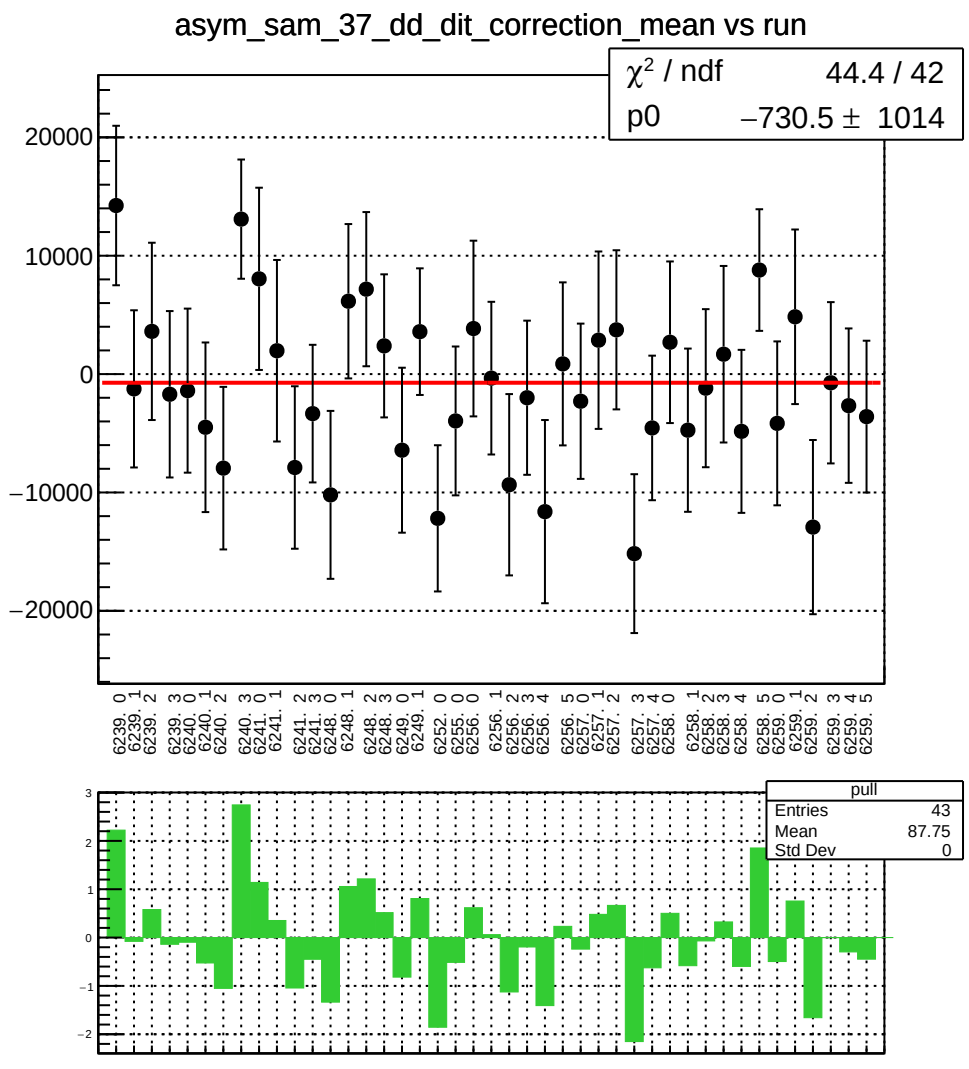
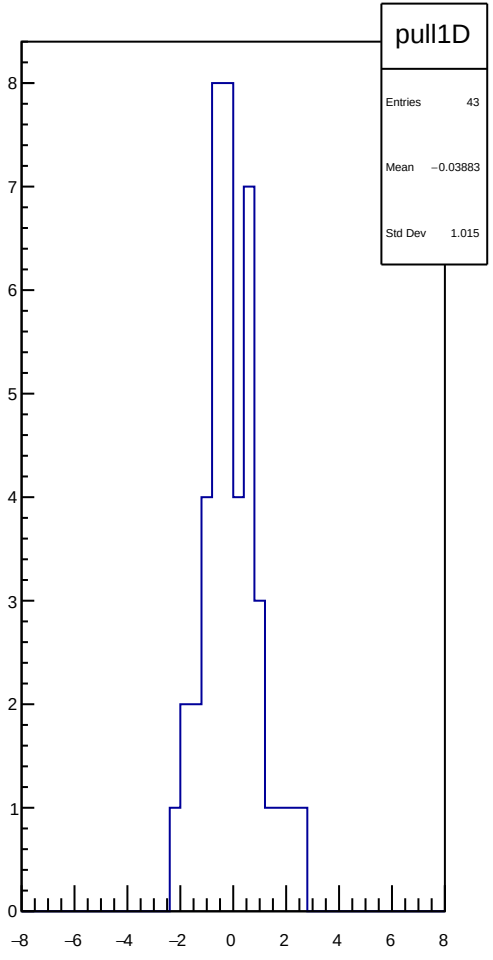
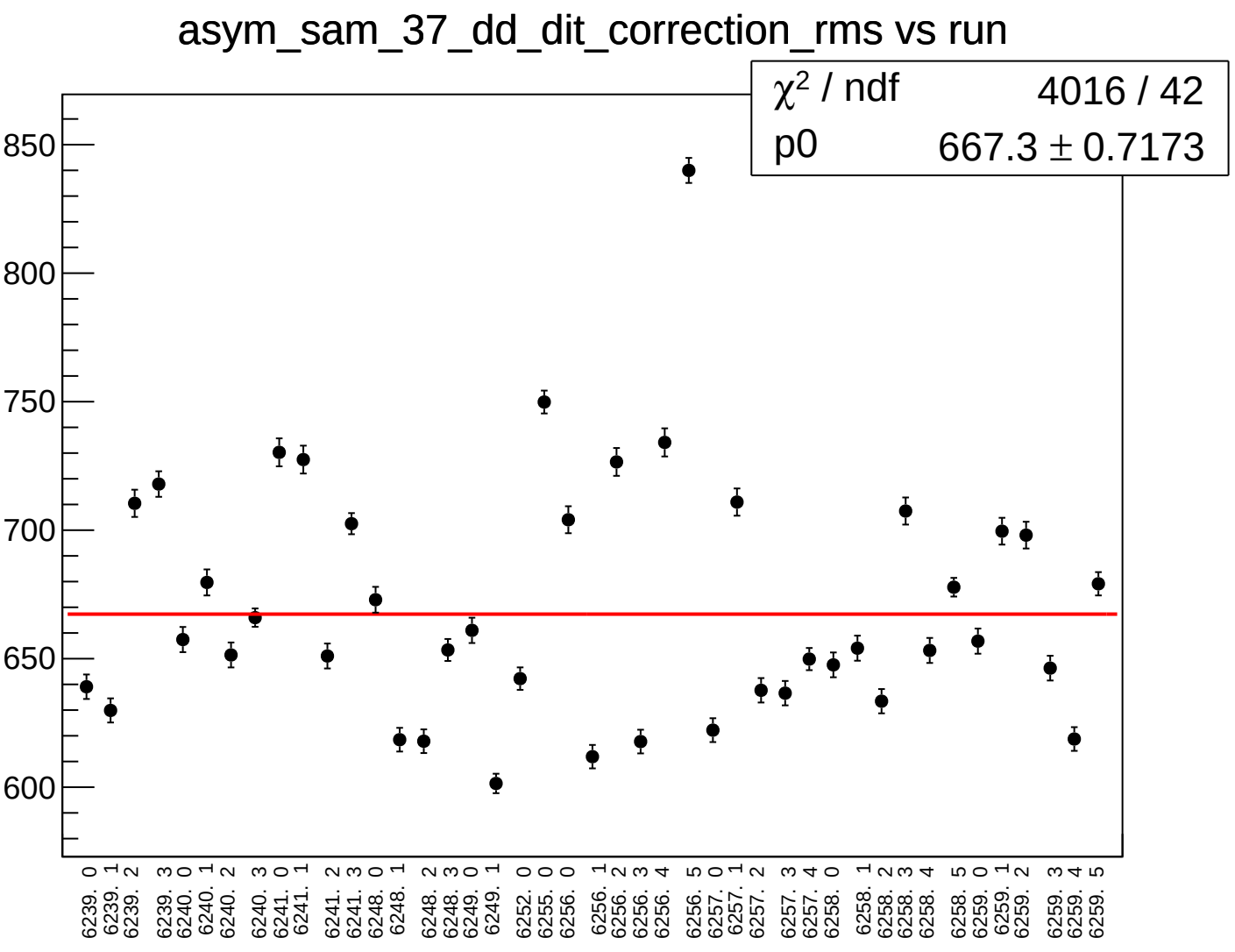
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 44.4 / 42
p0 −730.5 ± 1014
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.75
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03883
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 4016 / 42
p0 667.3 ± 0.7173
850
800
750
700
650
600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 5
6259. 0
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6259. 2
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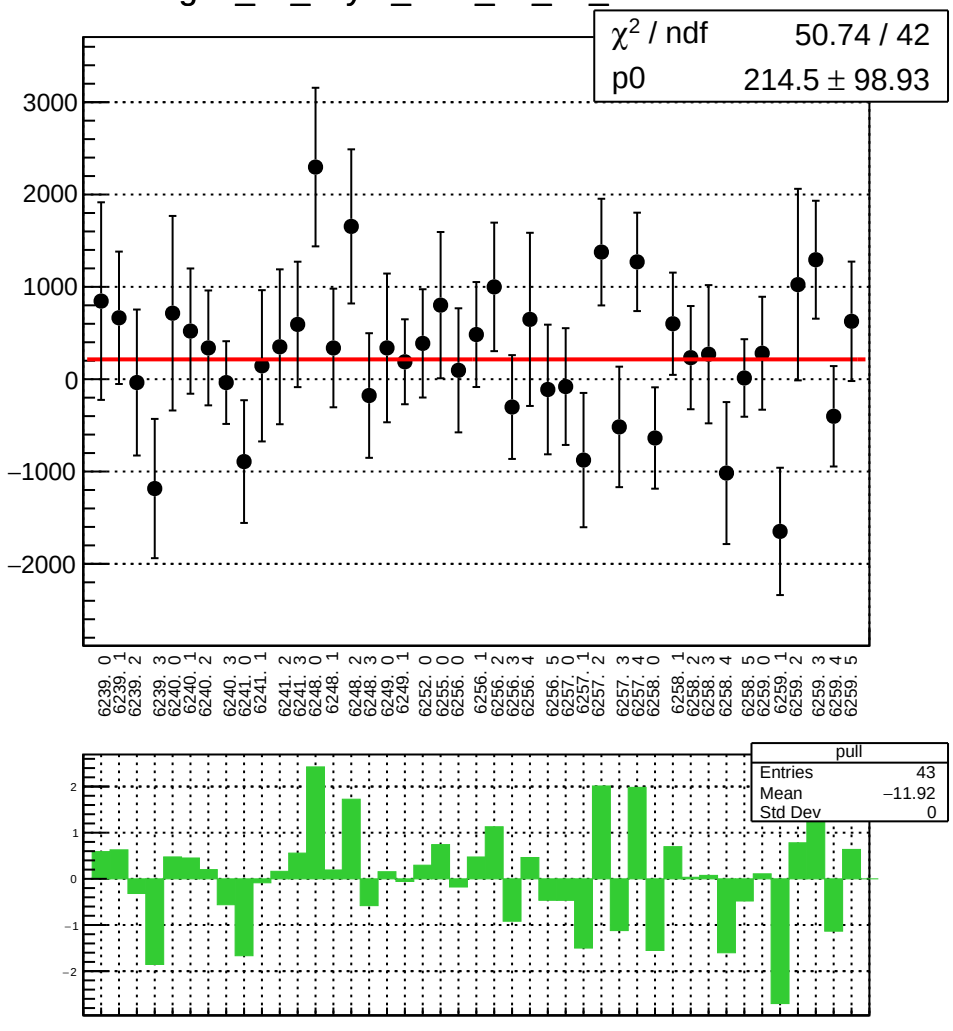
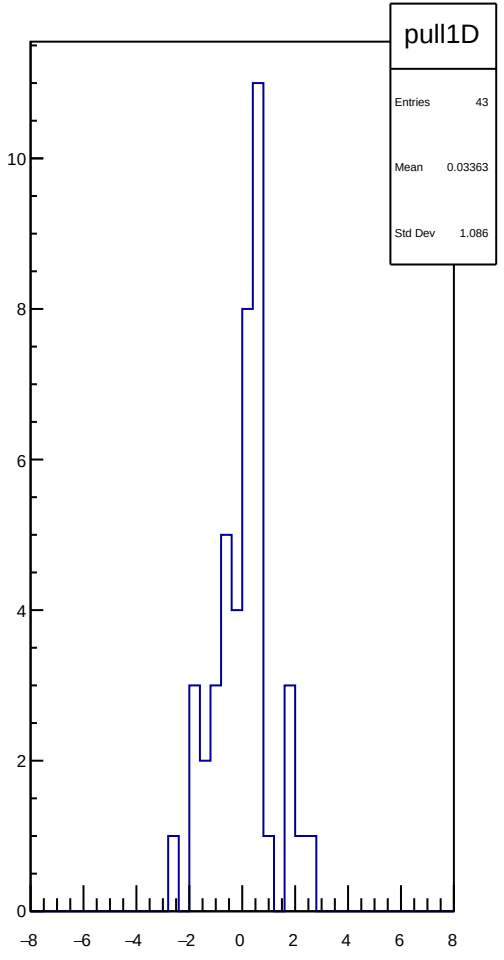
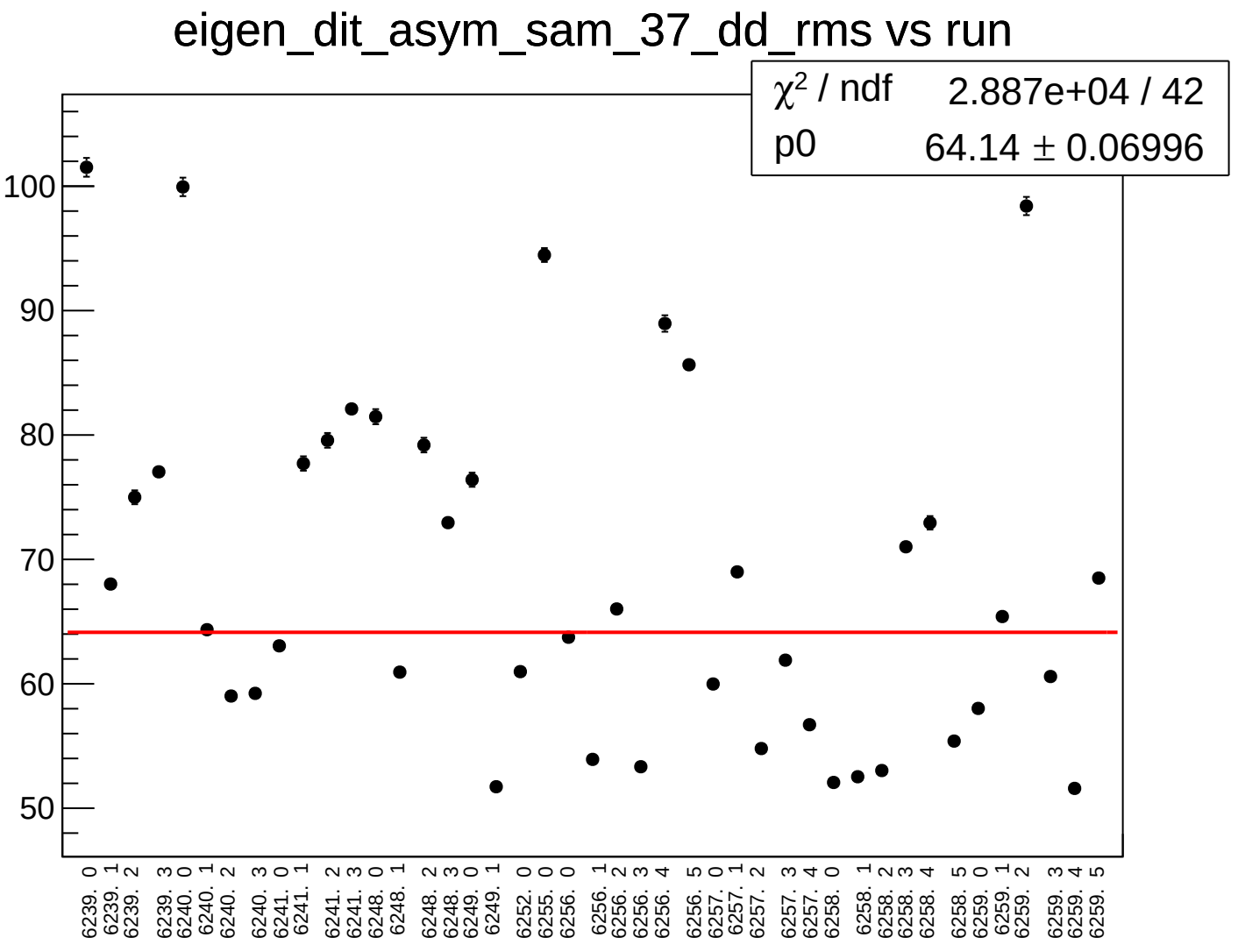
6259. 4
6259. 5


eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 50.74 / 42
p0 214.5 ± 98.93
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −11.92
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.03363
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.887e+04 / 42
p0 64.14 ± 0.06996
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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6257. 2
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6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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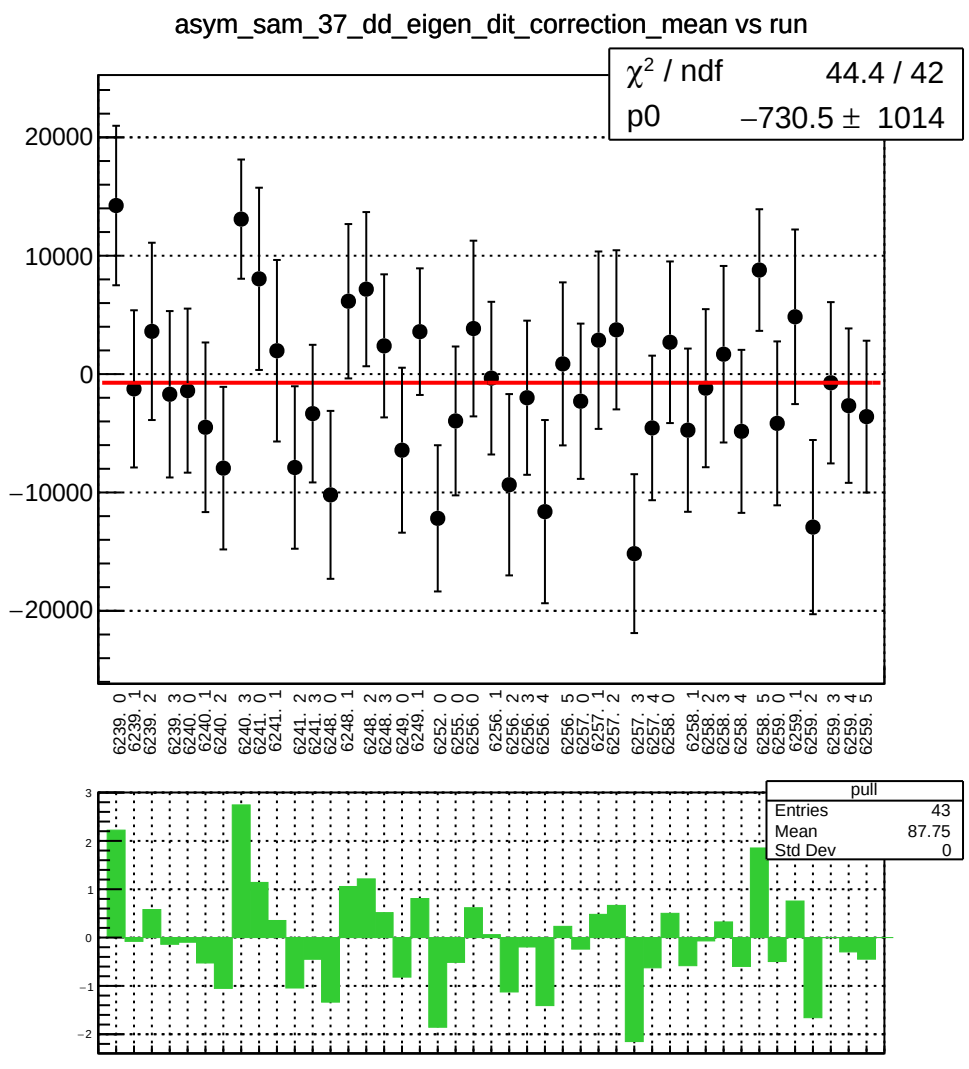
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.4 / 42
p0 −730.5 ± 1014
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
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6256. 1
6256. 2
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6256. 5
6257. 0
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6257. 2
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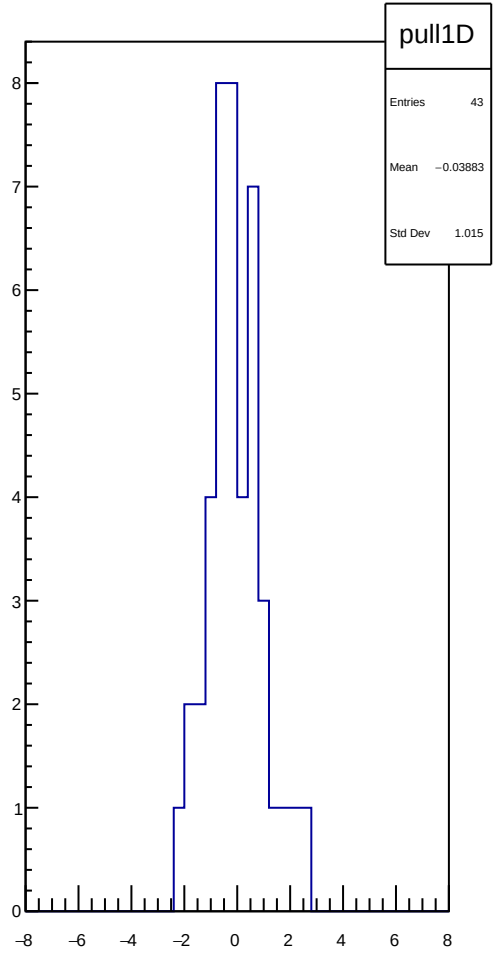
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.75
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03883
Std Dev 1.015
8
7
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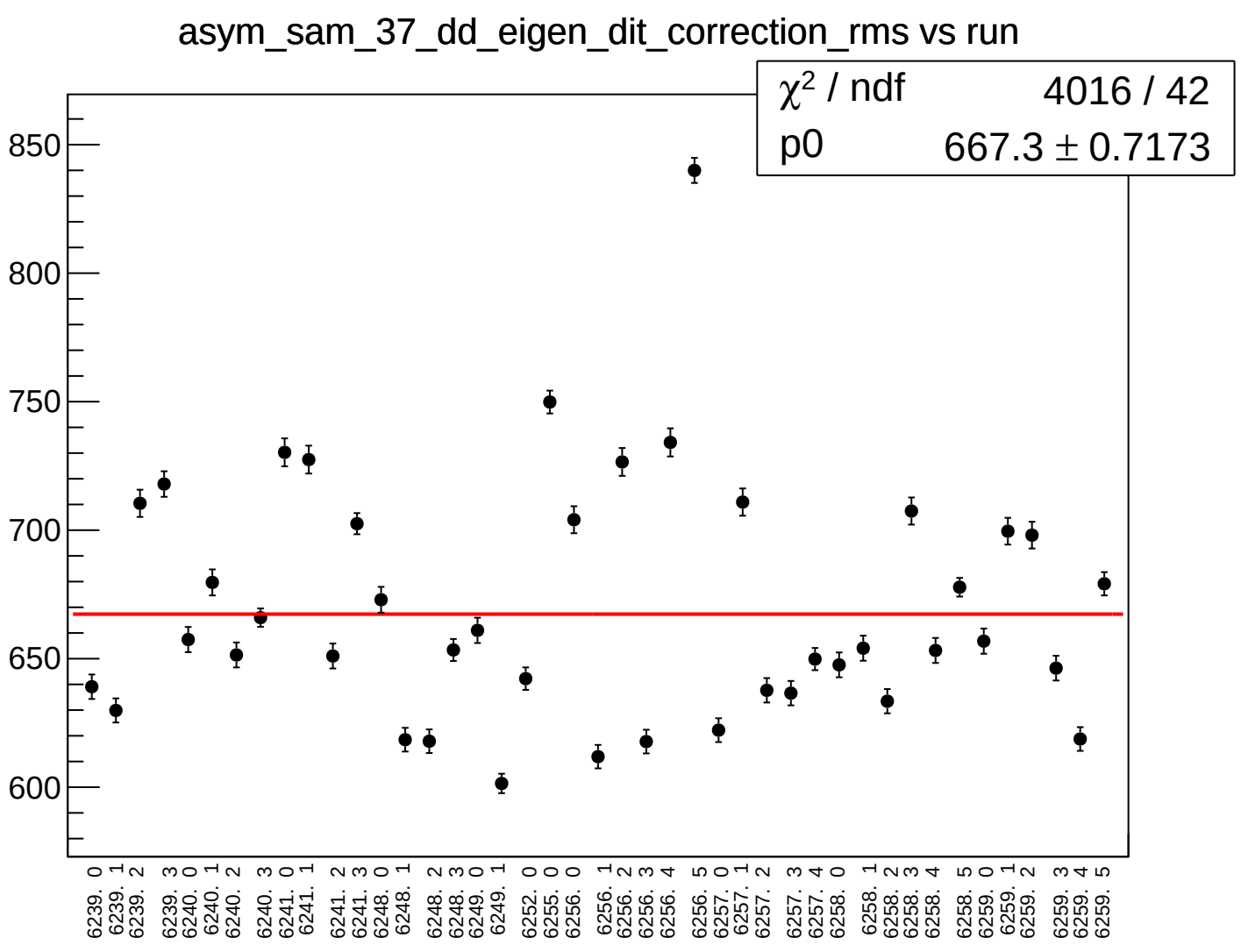
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4016 / 42
p0 667.3 ± 0.7173
850
800
750
700
650
600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6257. 0
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6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 5
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6259. 2
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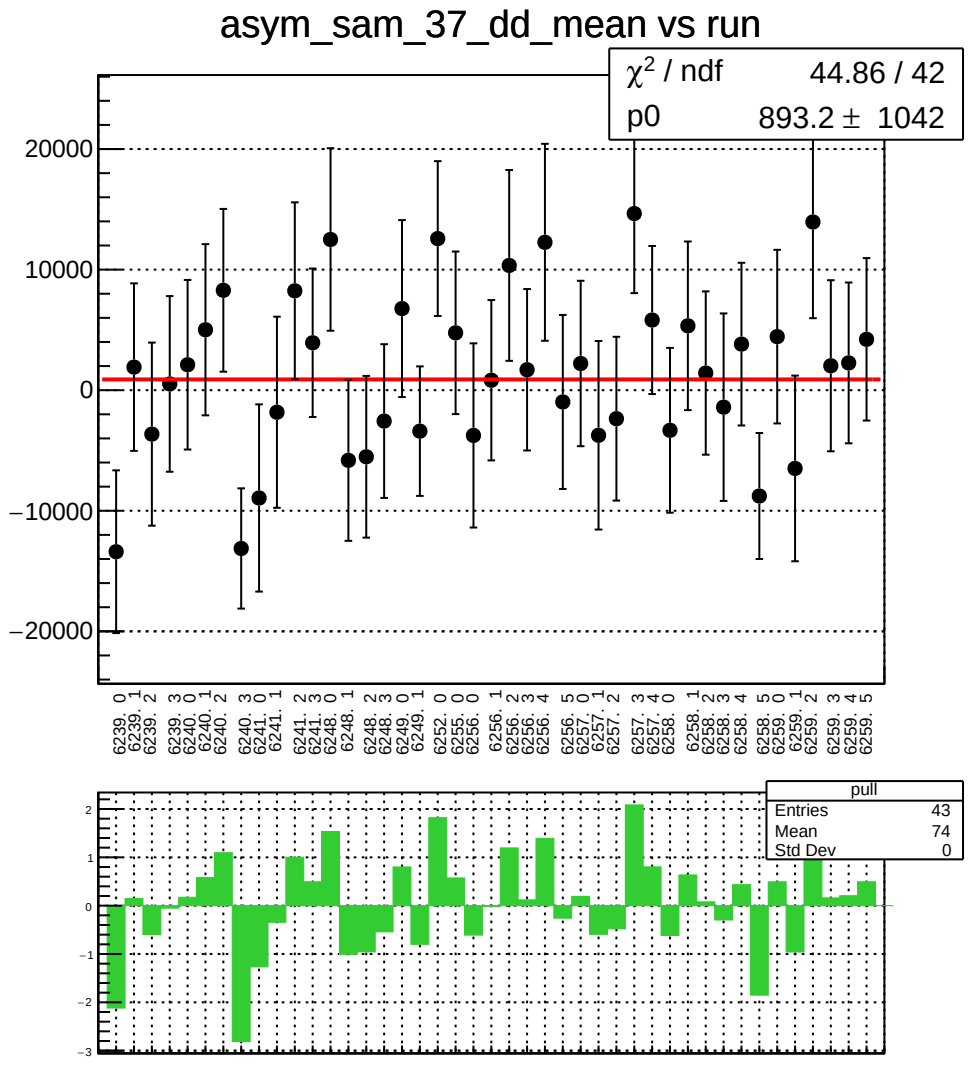
6259. 5


asym_sam_37_dd_mean vs run
χ² / ndf 44.86 / 42
p0 893.2 ± 1042
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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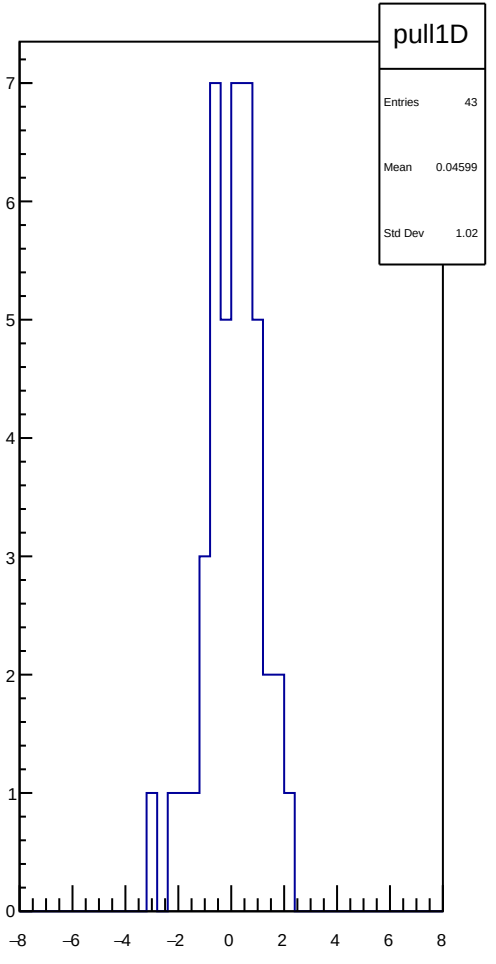
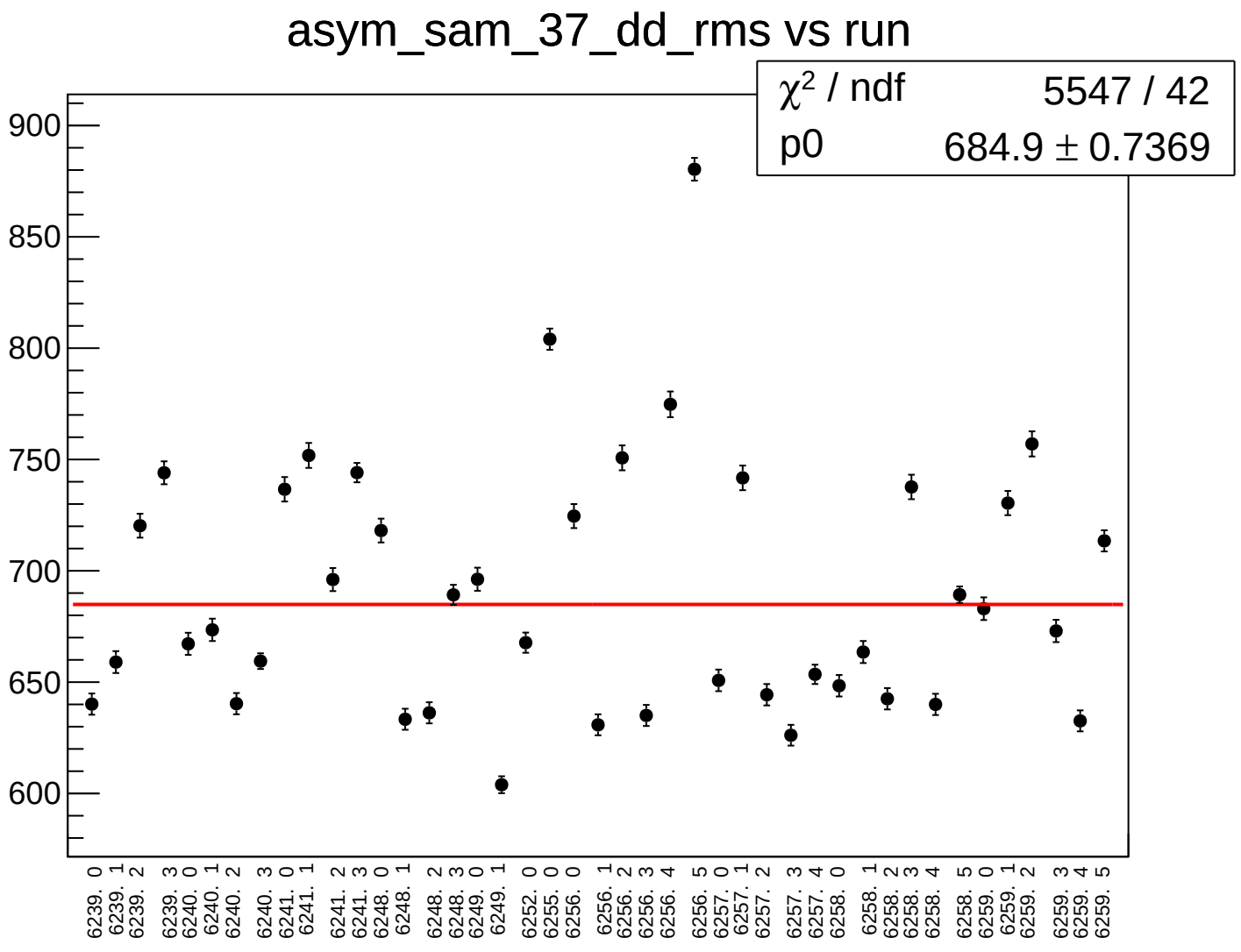
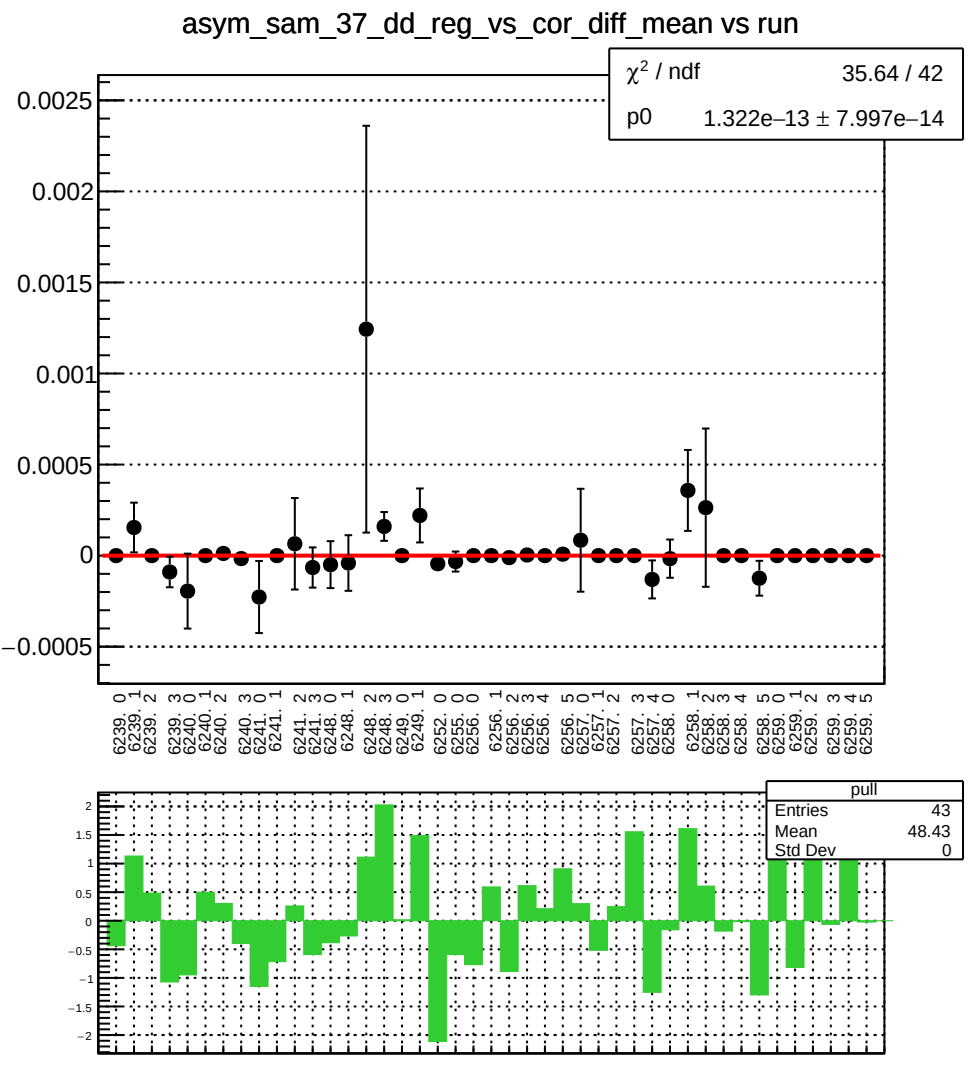
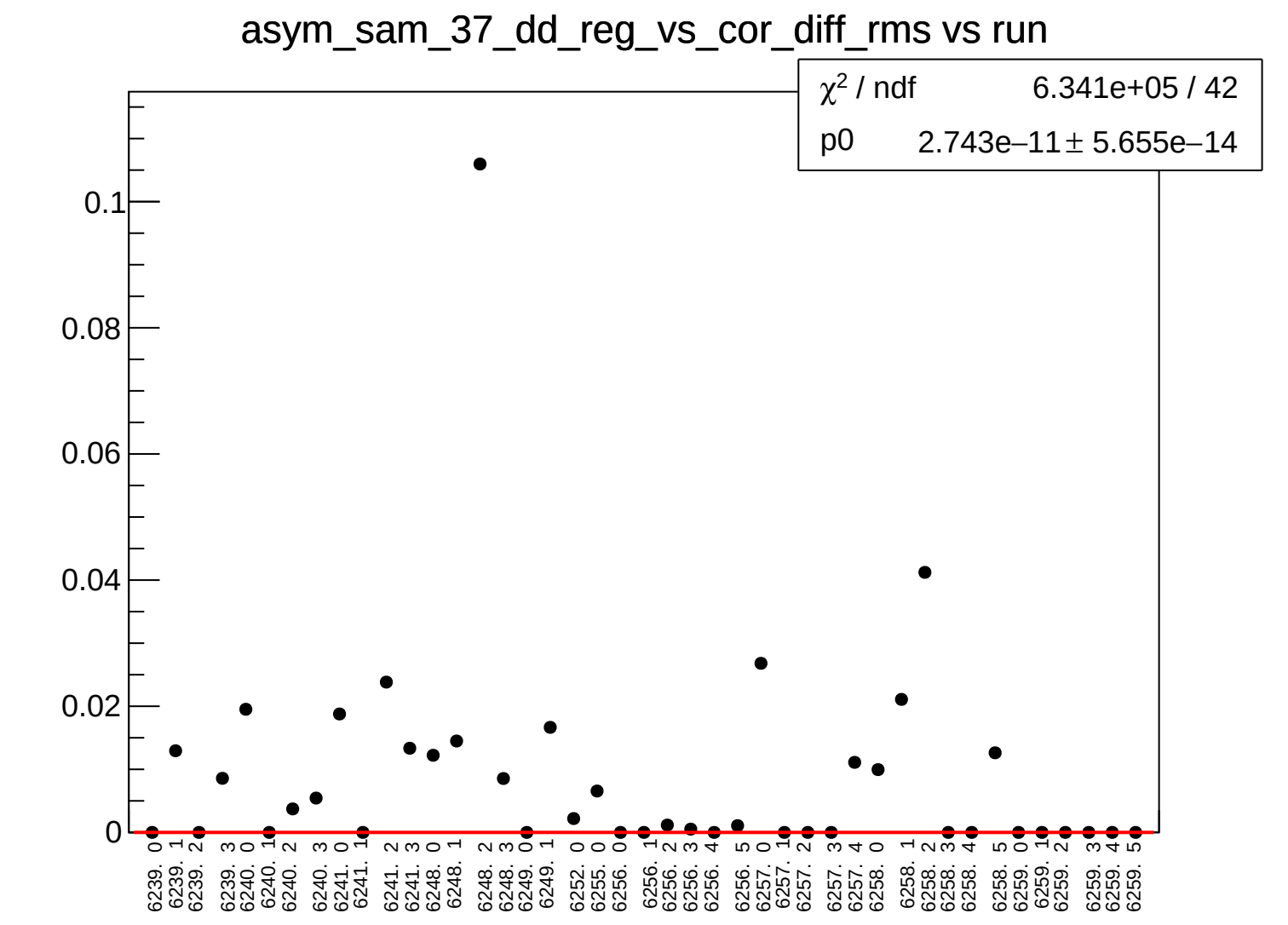
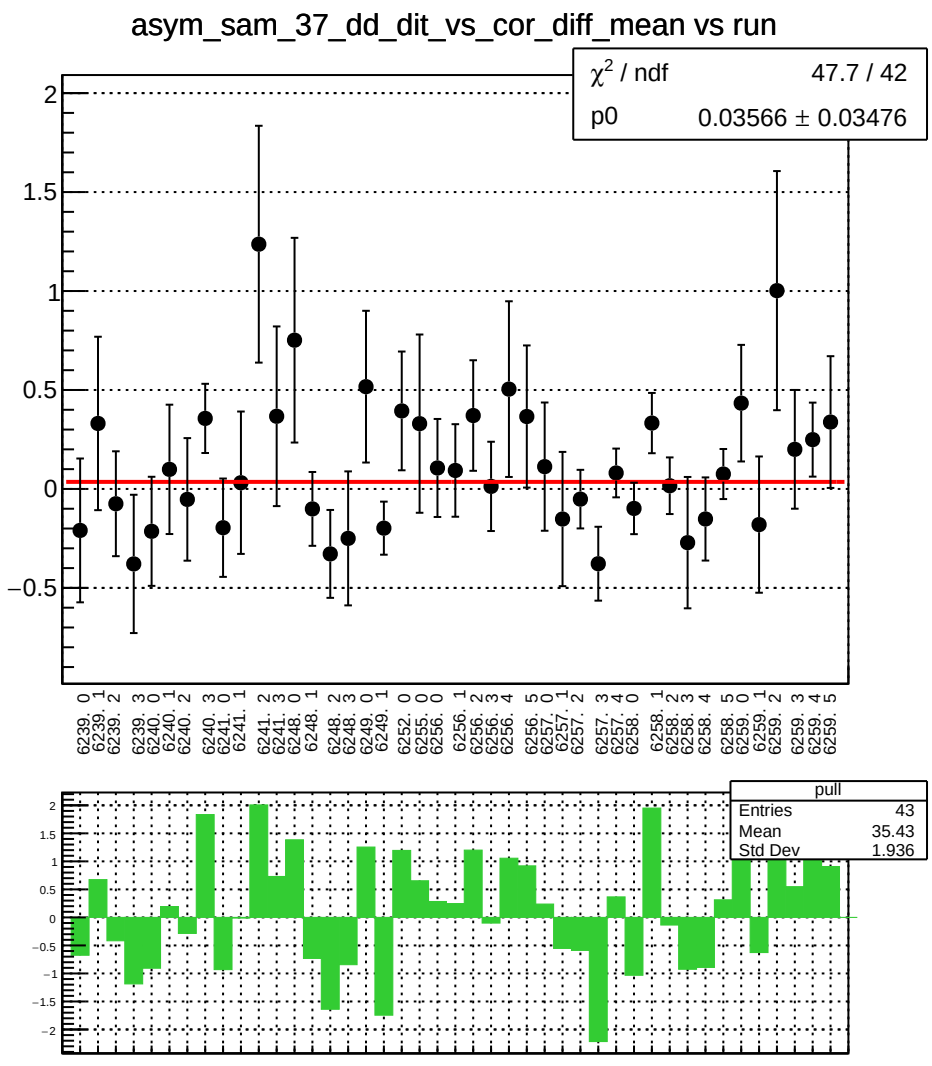
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 74
Std Dev 0
2
1
0
−1
−2
−3

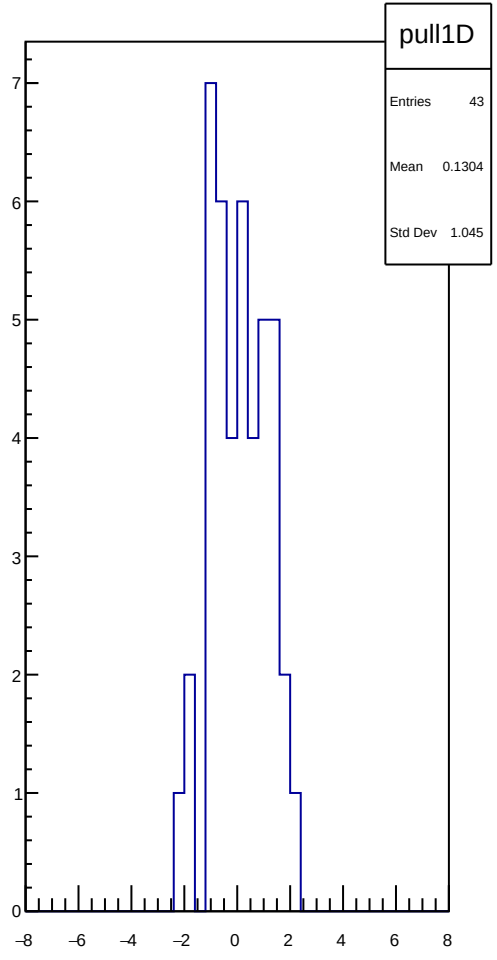

pull1D
Entries 43
Mean 0.04599
Std Dev 1.02
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

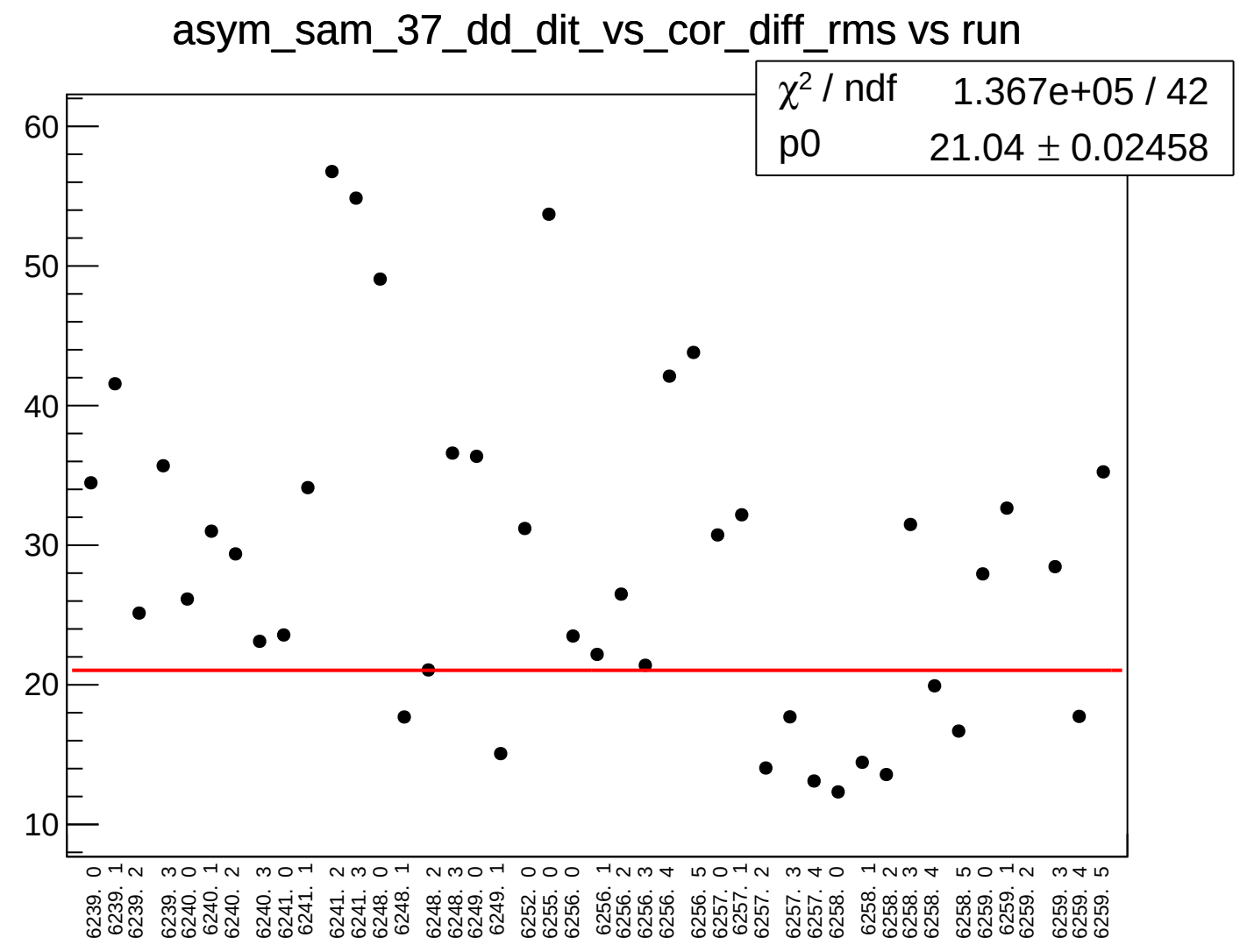

asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 5547 / 42
p0 684.9 ± 0.7369
900
850
800
750
700
650
600
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

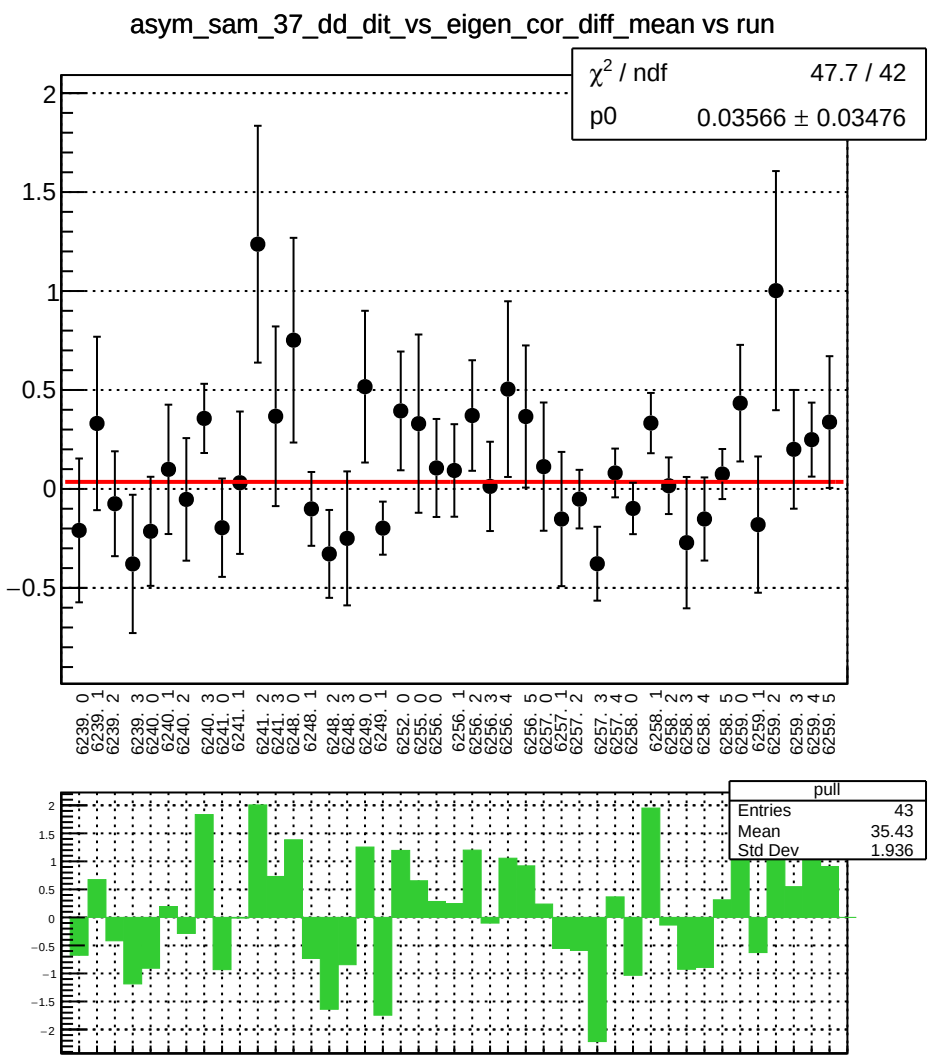

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.64 / 42
p0 1.322e−13 ± 7.997e−14
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.06253
Std Dev 0.9083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

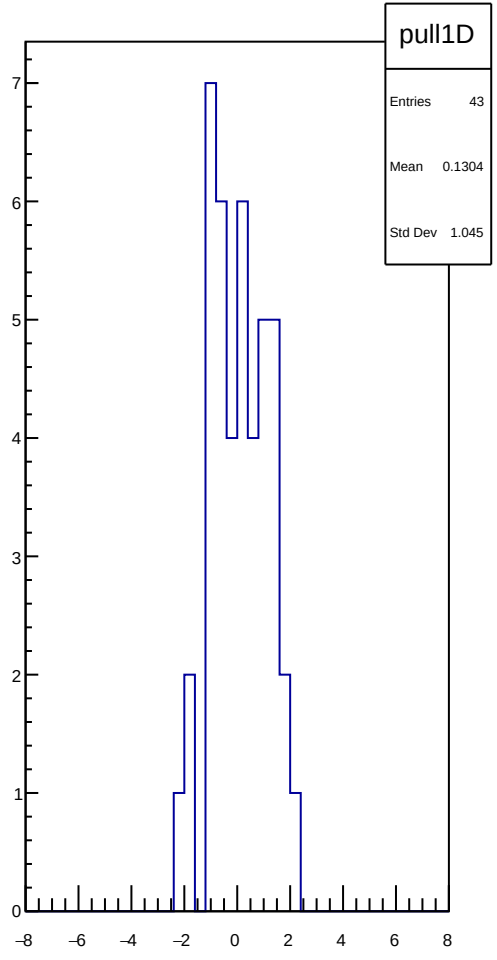

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.341e+05 / 42
p0 2.743e−11 ± 5.655e−14
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

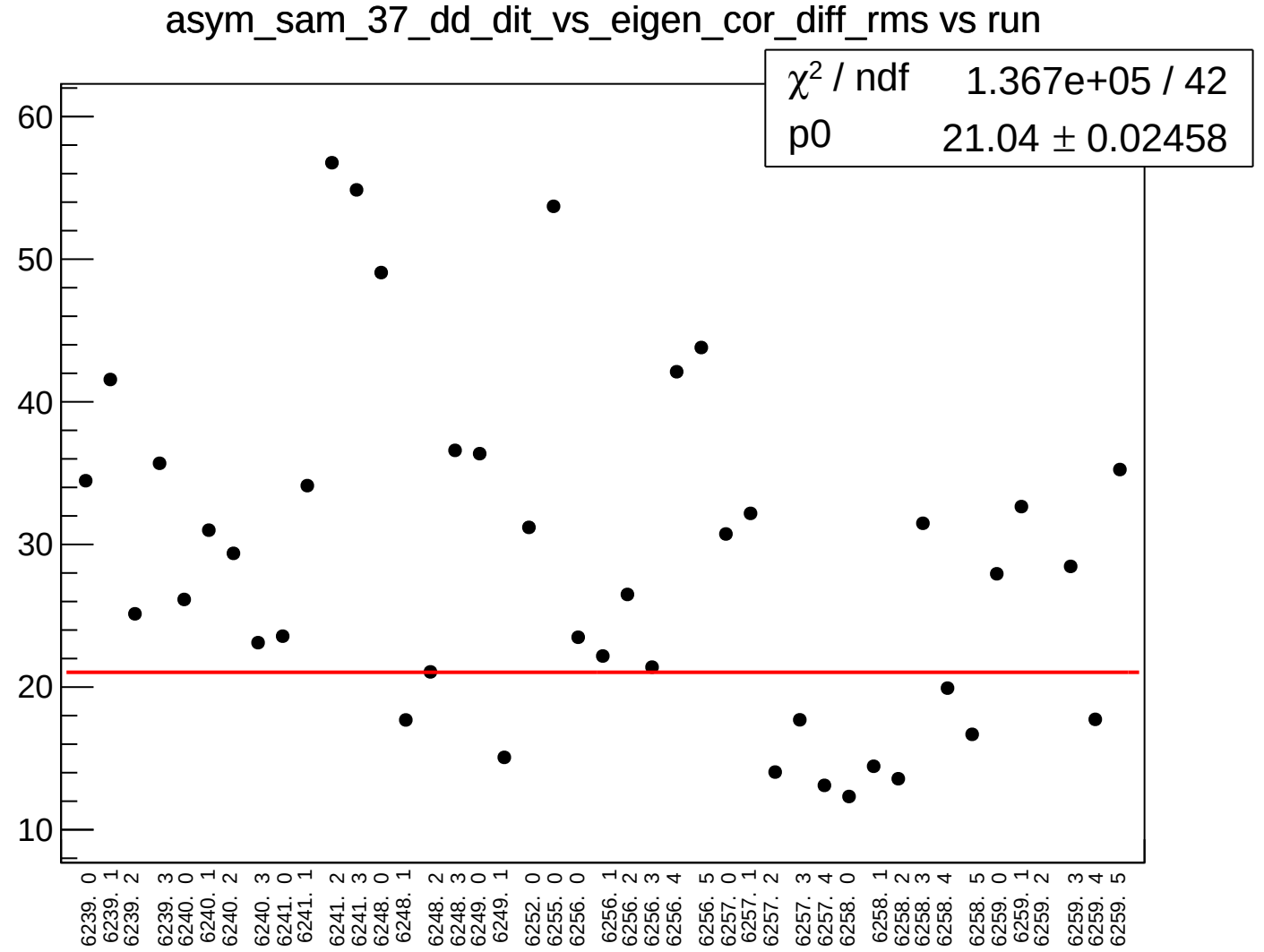

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.7 / 42
p0 0.03566 ± 0.03476
pull
Entries 43
Mean 35.43
Std Dev 1.936

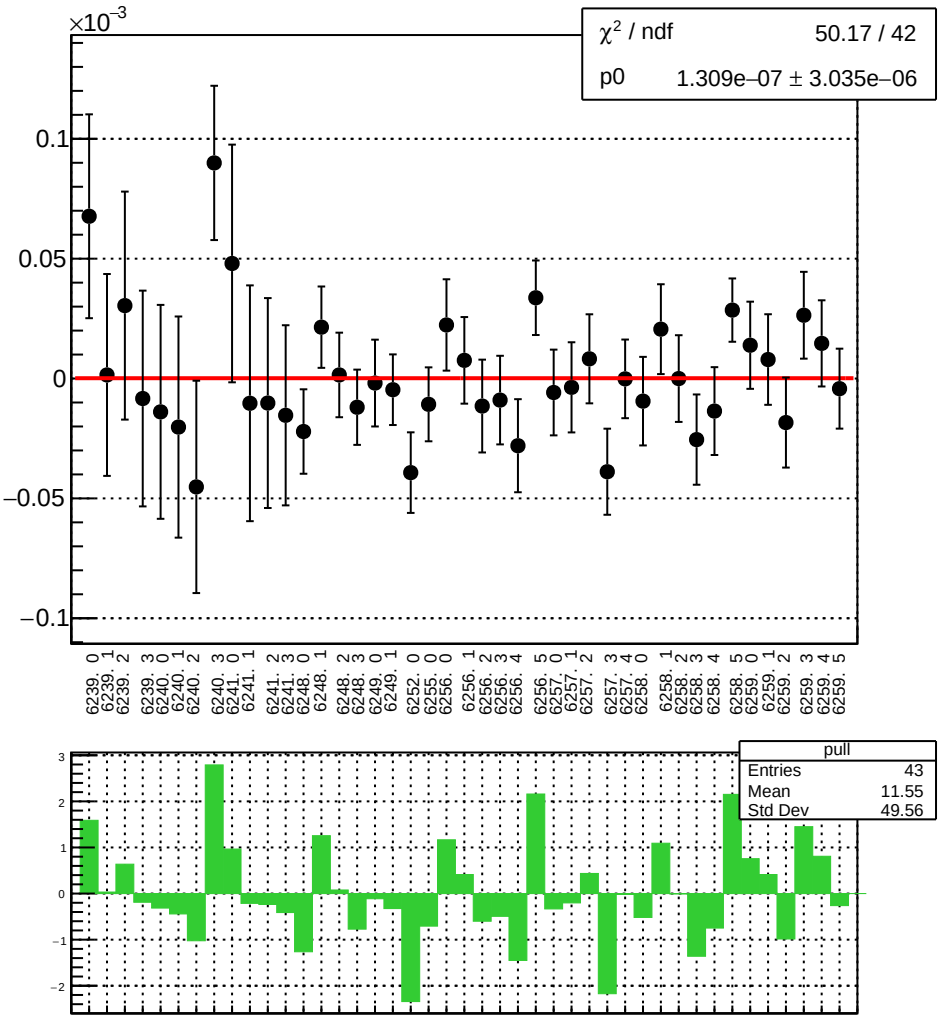

pull1D
Entries 43
Mean 0.1304
Std Dev 1.045

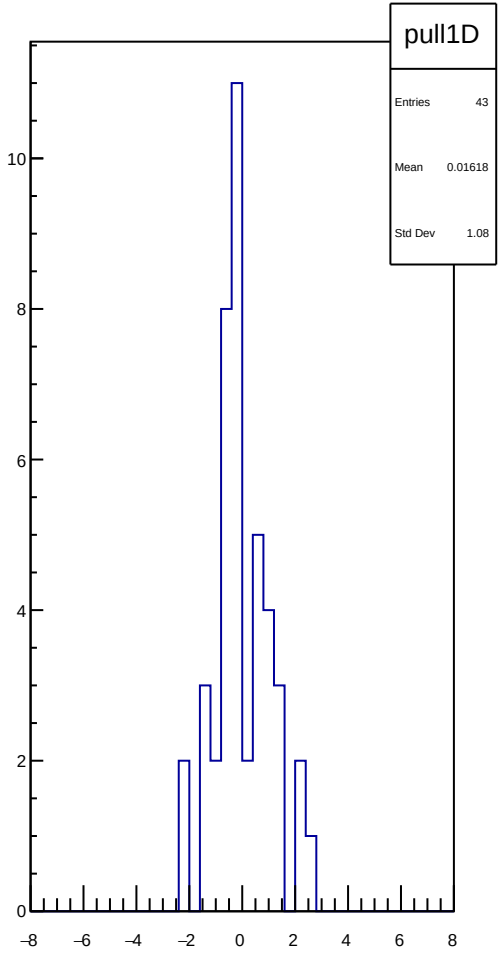

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.367e+05 / 42
p0 21.04 ± 0.02458
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

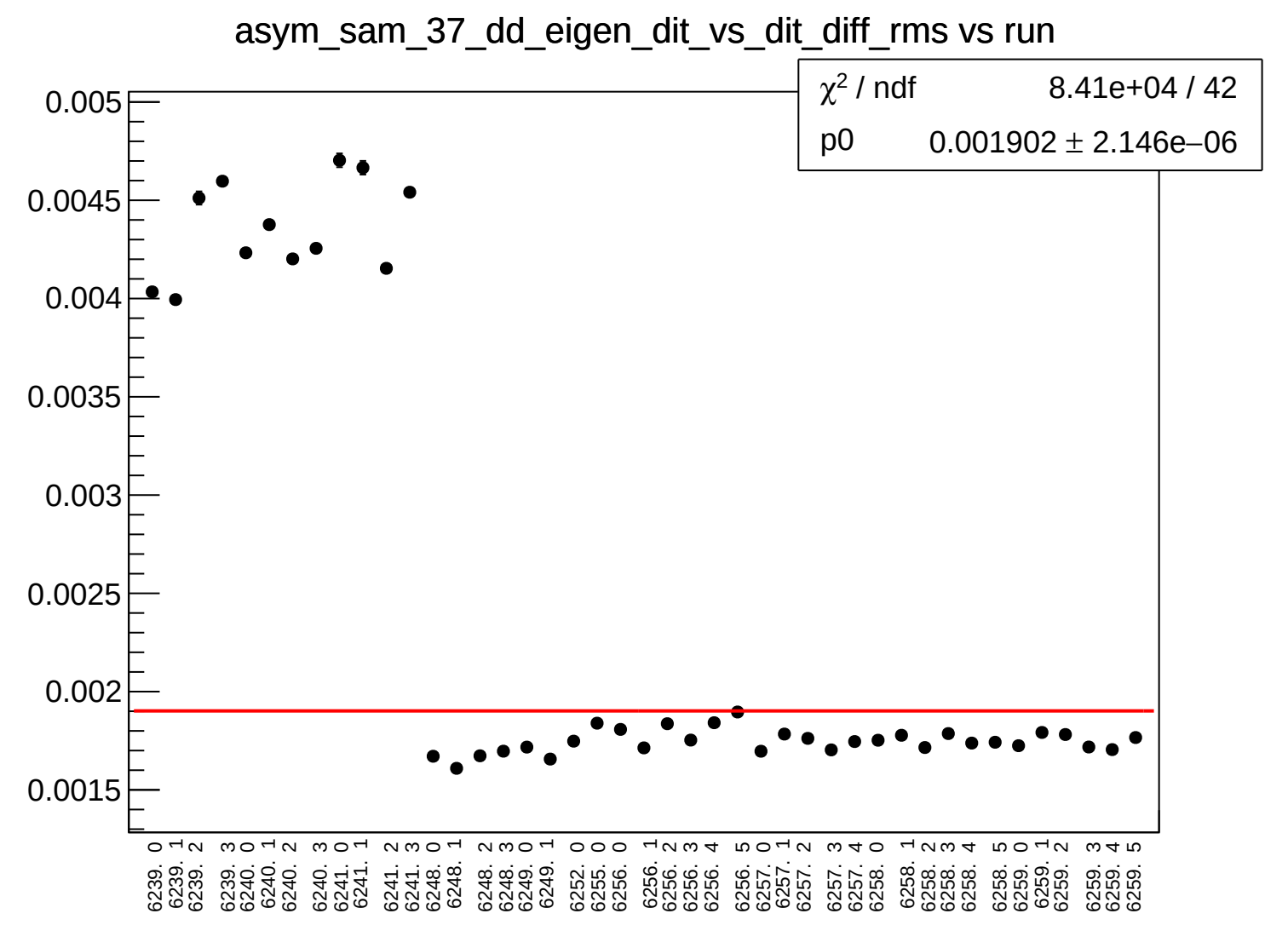

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.7 / 42
p0 0.03566 ± 0.03476
pull
Entries 43
Mean 35.43
Std Dev 1.936

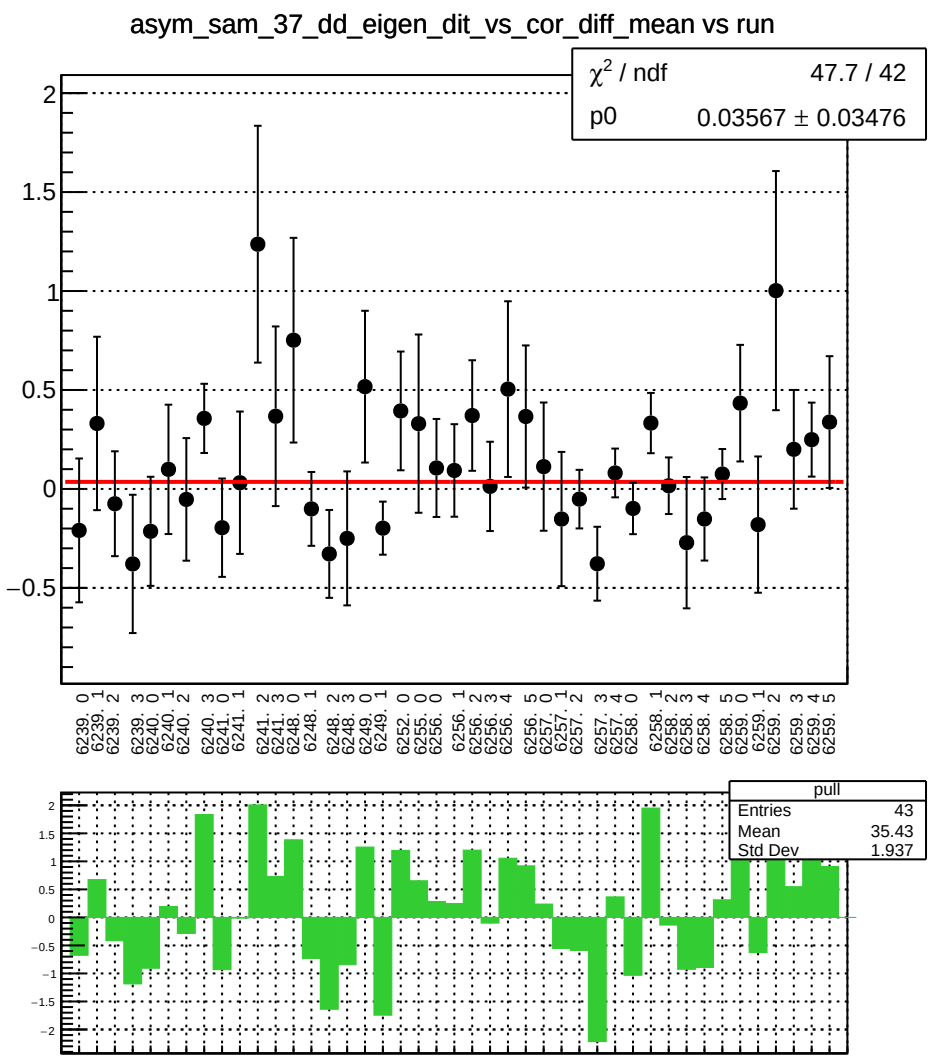

pull1D
Entries 43
Mean 0.1304
Std Dev 1.045

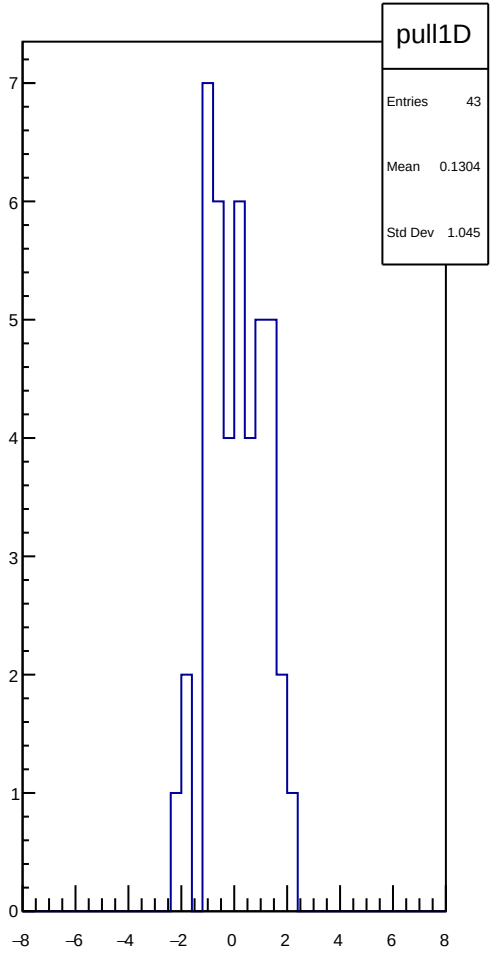

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.367e+05 / 42
p0 21.04 ± 0.02458
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

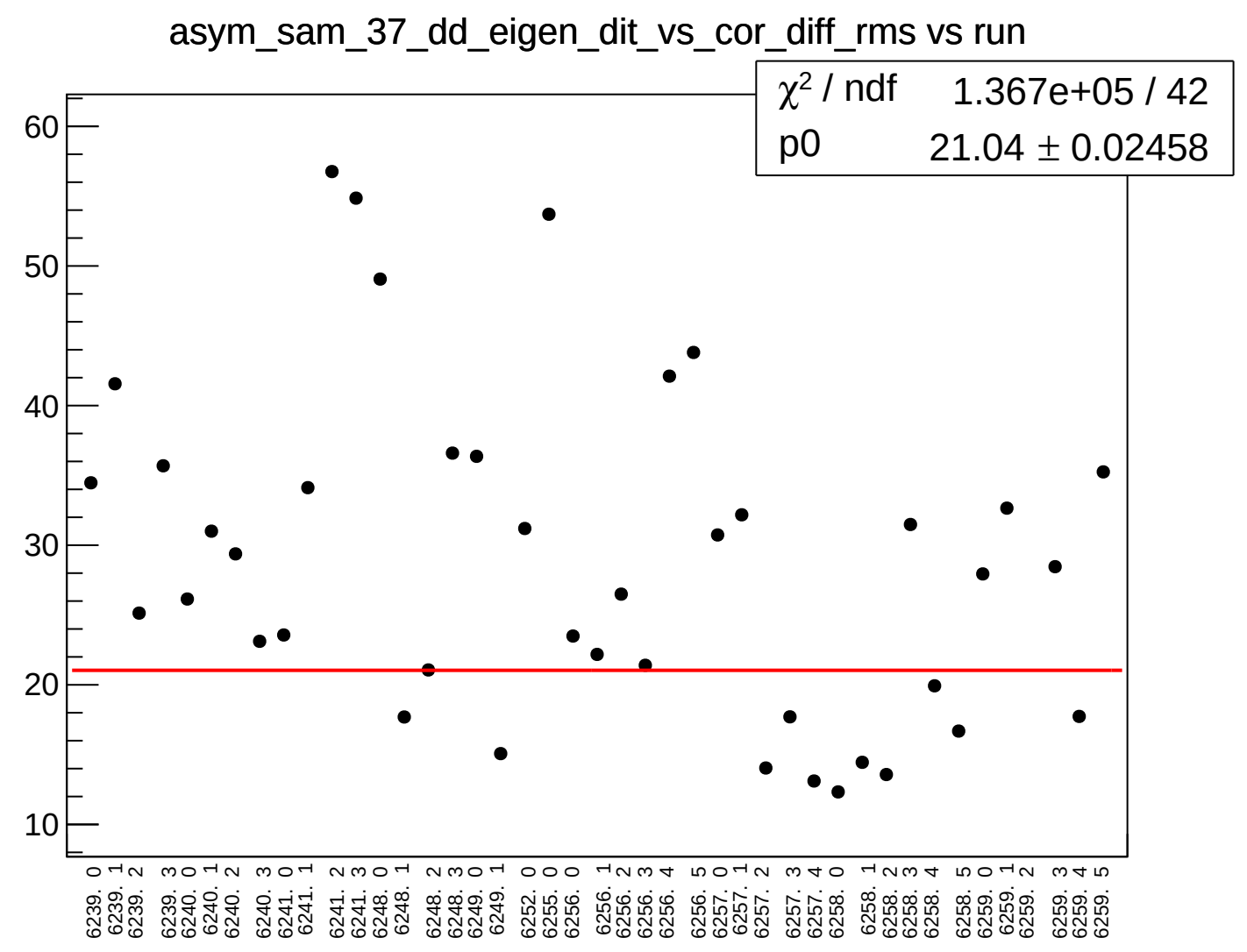

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.17 / 42
p0 1.309e−07 ± 3.035e−06
0.1
0.05
0
−0.05
−0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 11.55
Std Dev 49.56
3
2
1
0
−1
−2

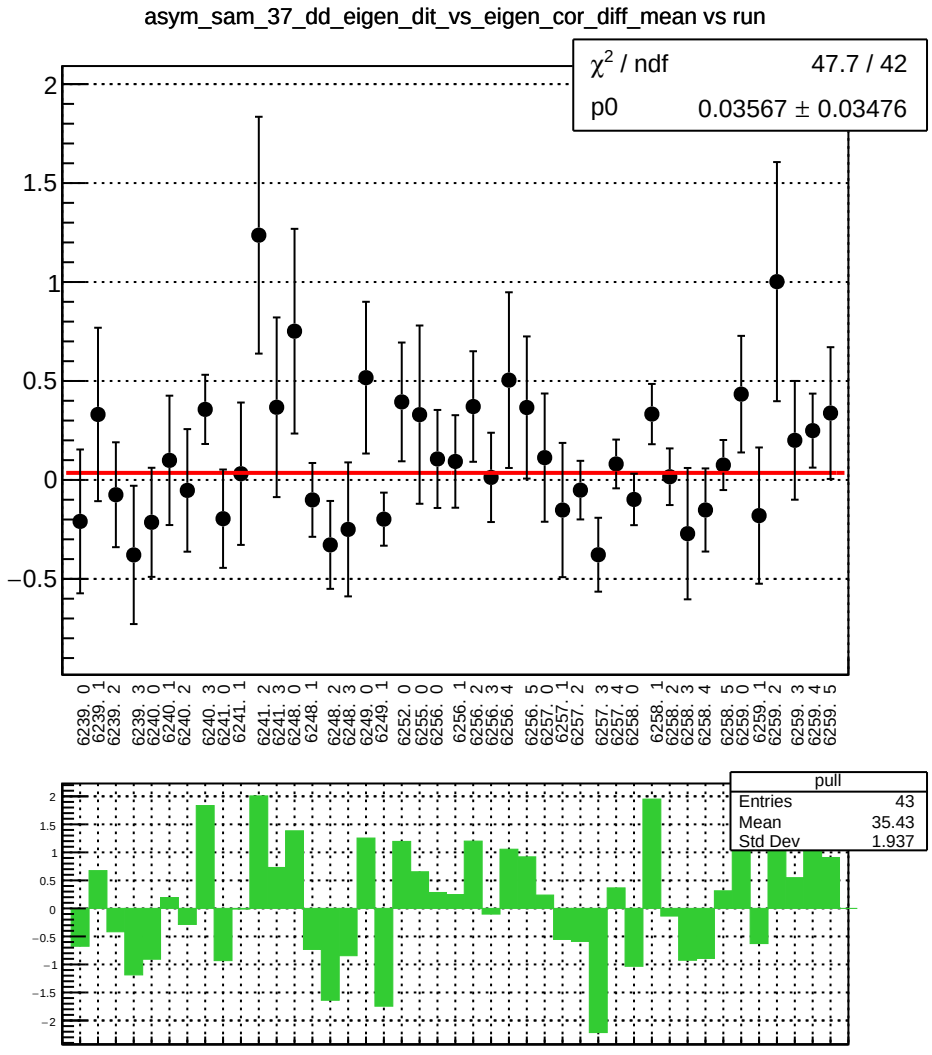

pull1D
Entries 43
Mean 0.01618
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

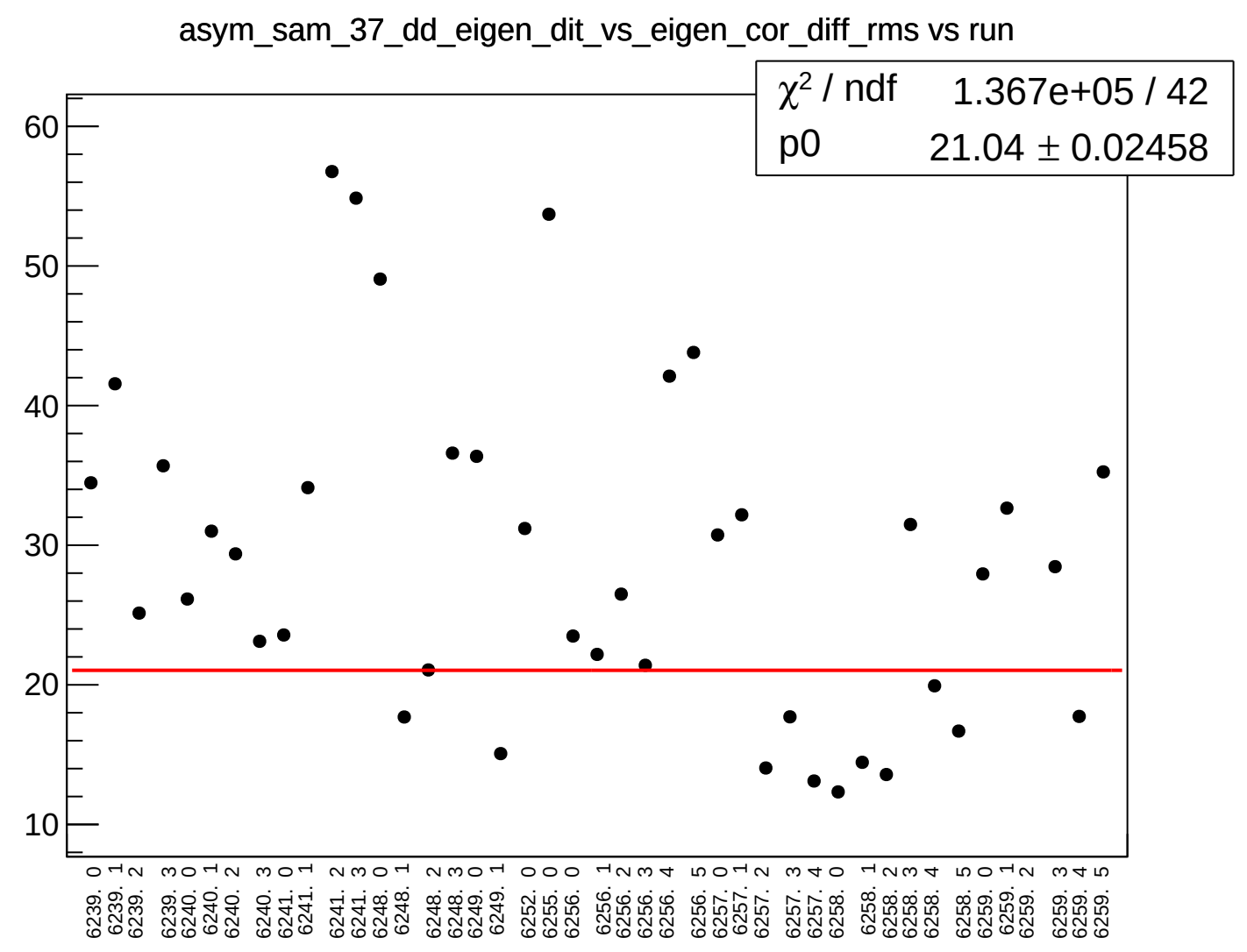

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.41e+04 / 42
p0 0.001902 ± 2.146e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

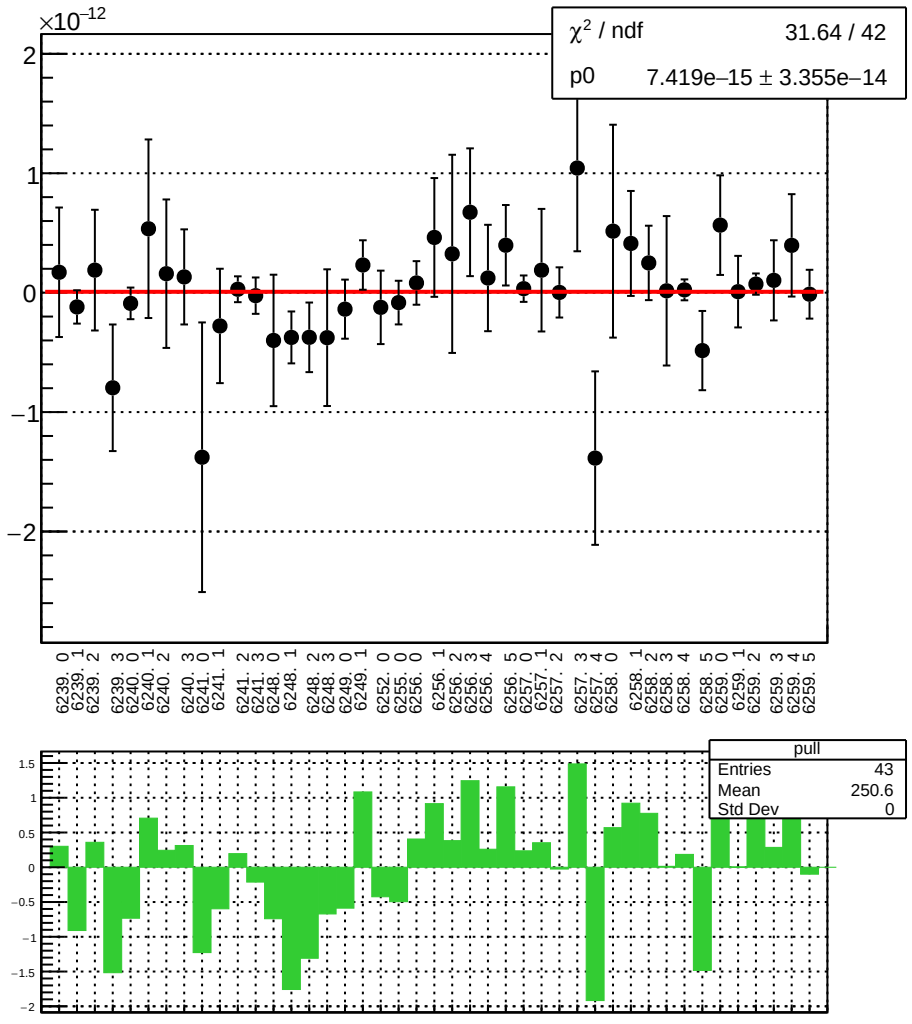

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.7 / 42
p0 0.03567 ± 0.03476
pull
Entries 43
Mean 35.43
Std Dev 1.937

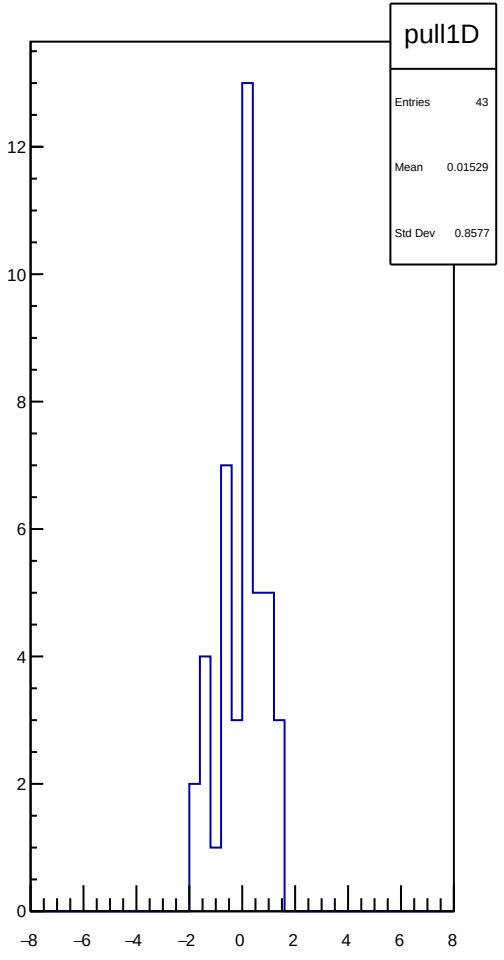

pull1D
Entries 43
Mean 0.1304
Std Dev 1.045

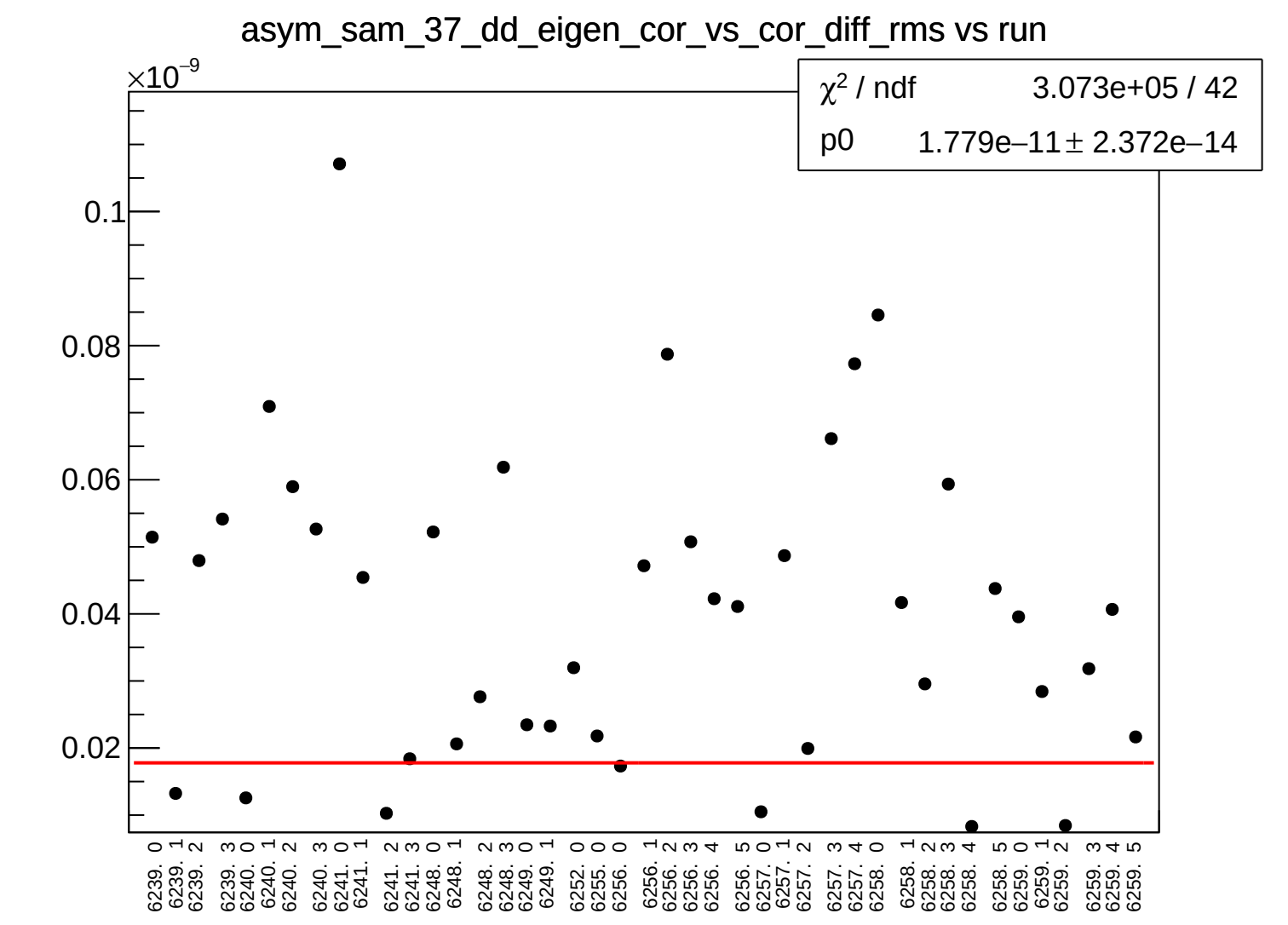

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.367e+05 / 42
p0 21.04 ± 0.02458
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

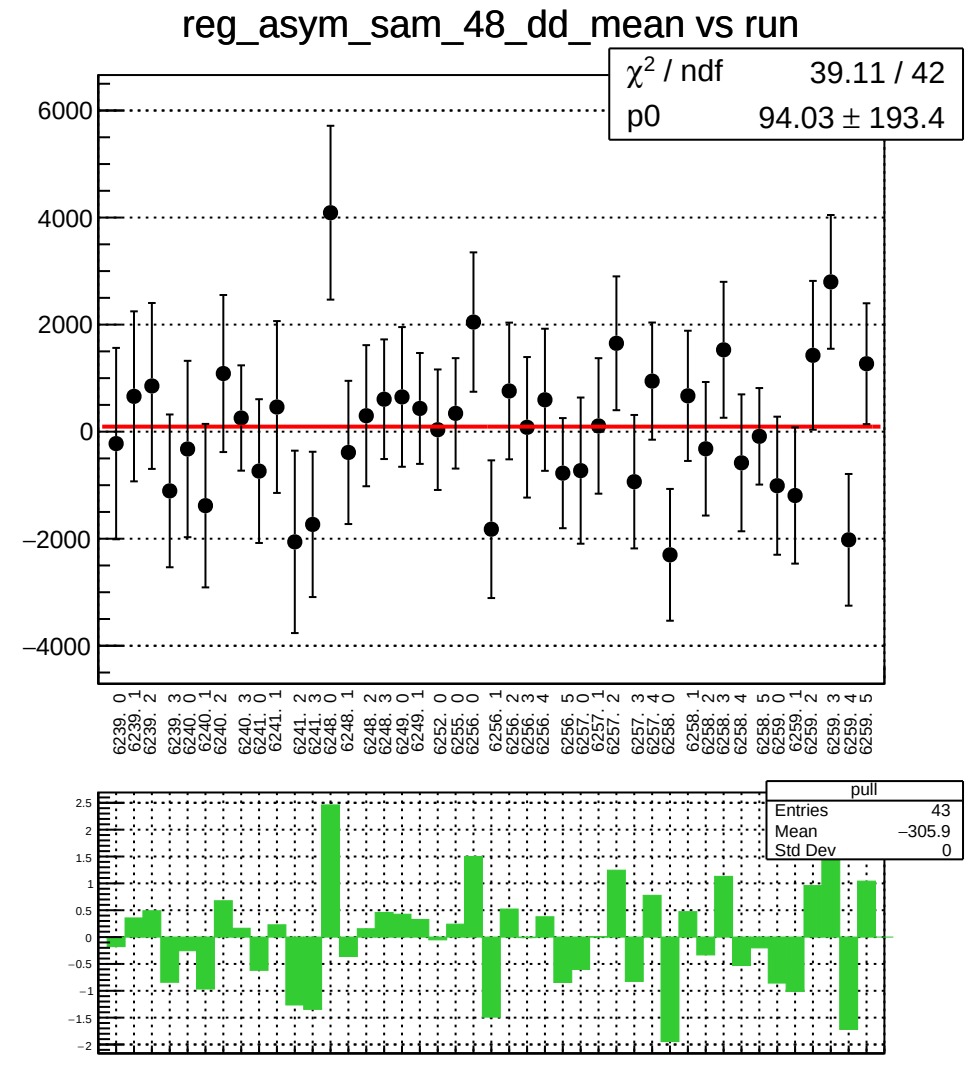

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.7 / 42
p0 0.03567 ± 0.03476
pull
Entries 43
Mean 35.43
Std Dev 1.937
pull1D
Entries 43
Mean 0.1304
Std Dev 1.045

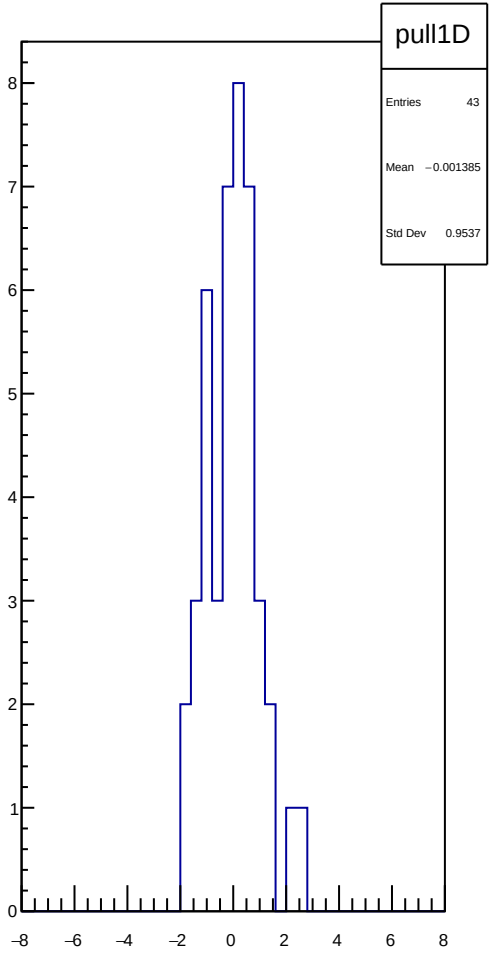

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.367e+05 / 42
p0 21.04 ± 0.02458
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

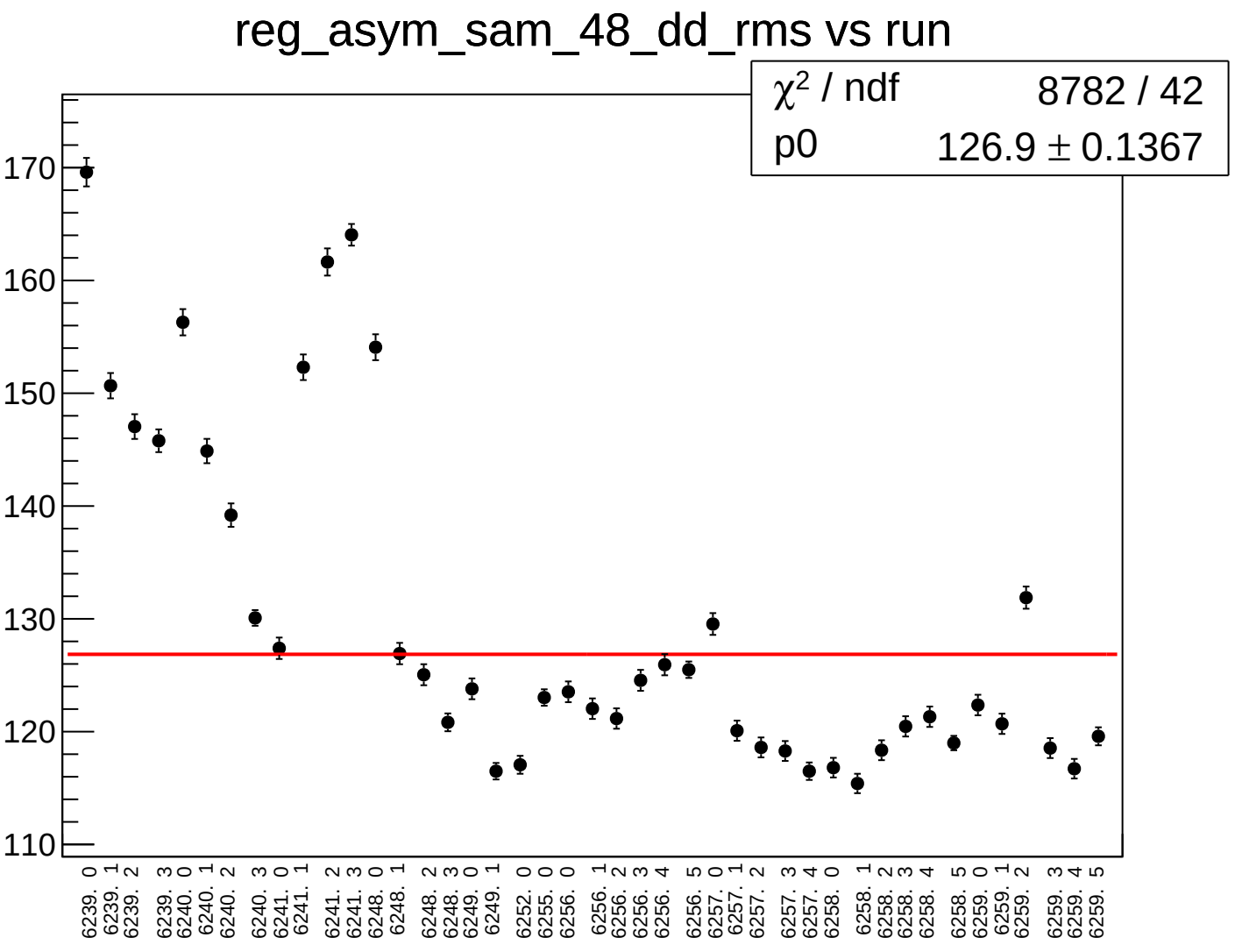

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 31.64 / 42
p0 7.419e−15 ± 3.355e−14
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 250.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

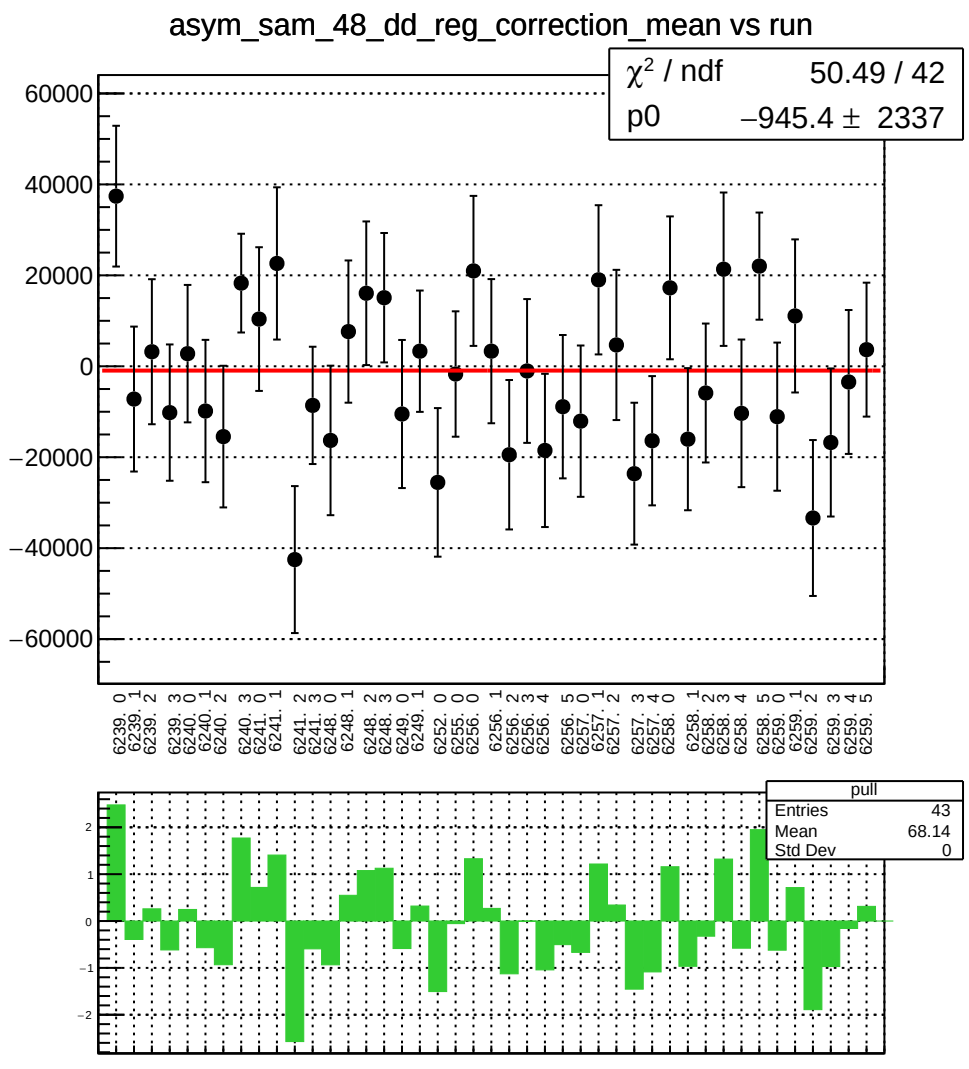

pull1D
Entries 43
Mean 0.01529
Std Dev 0.8577
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

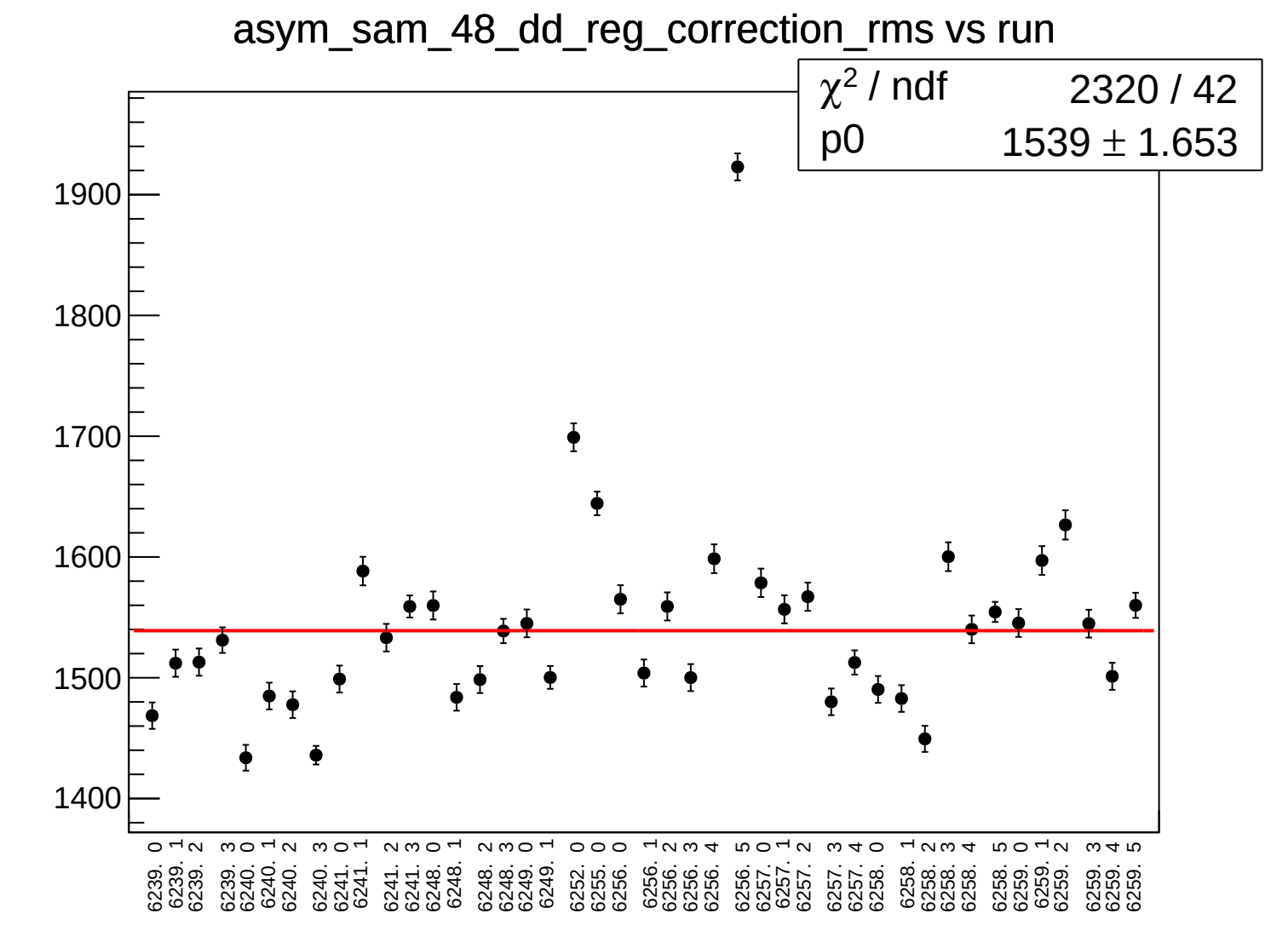

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.073e+05 / 42
p0 1.779e−11 ± 2.372e−14
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

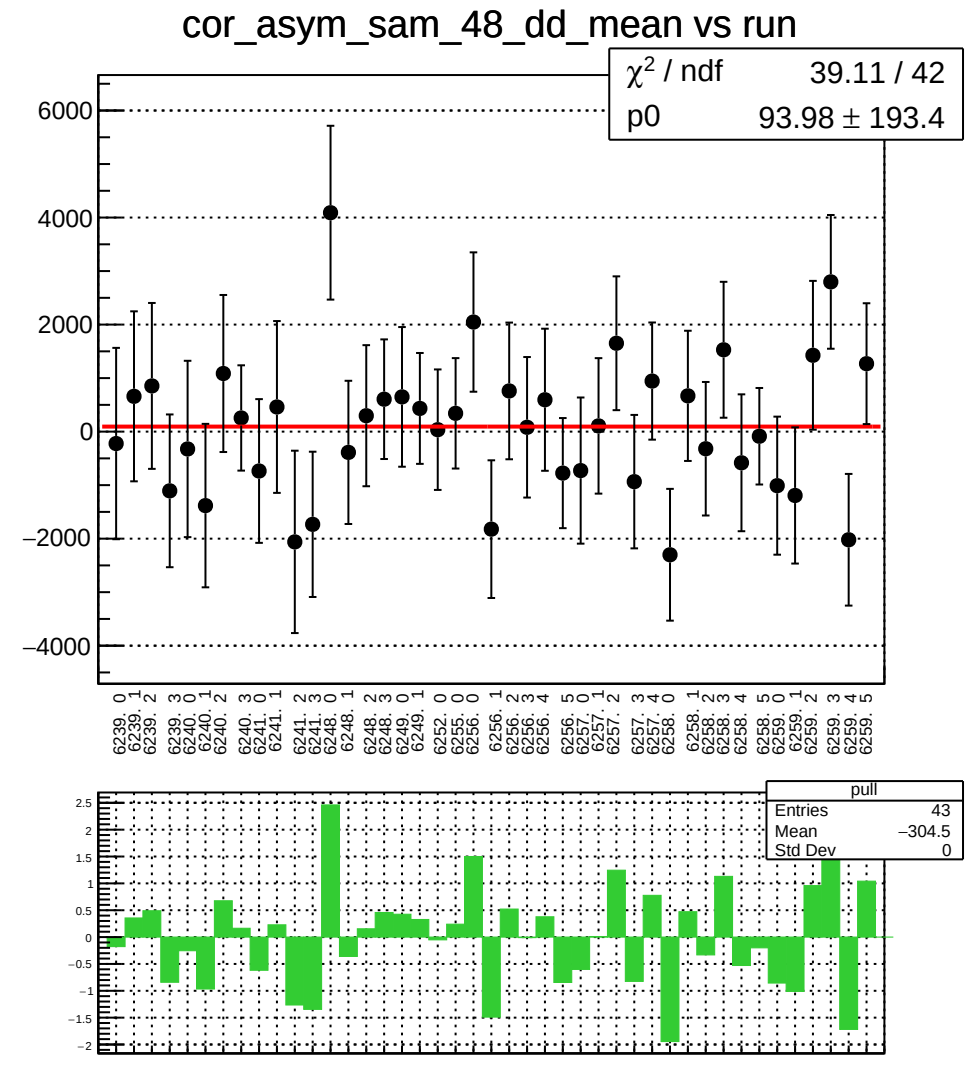

reg_asym_sam_48_dd_mean vs run
χ² / ndf 39.11 / 42
p0 94.03 ± 193.4
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −305.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

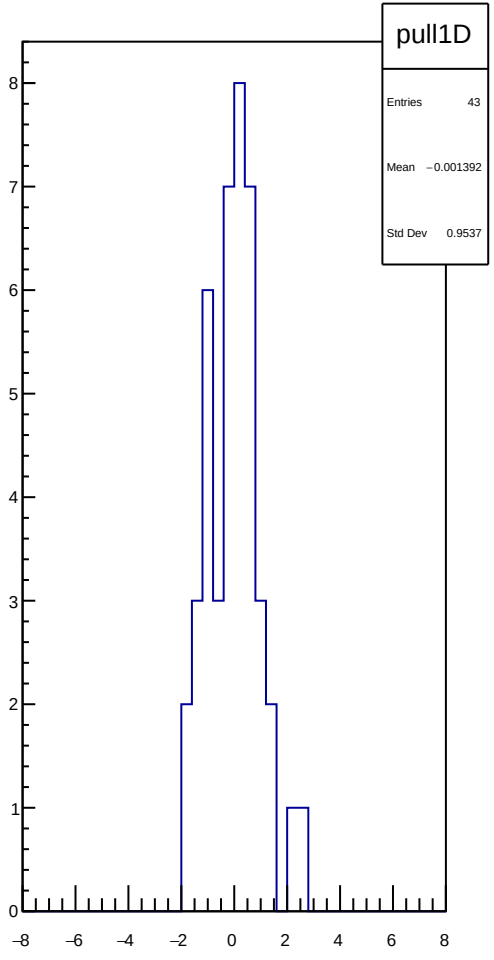

pull1D
Entries 43
Mean −0.001385
Std Dev 0.9537
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

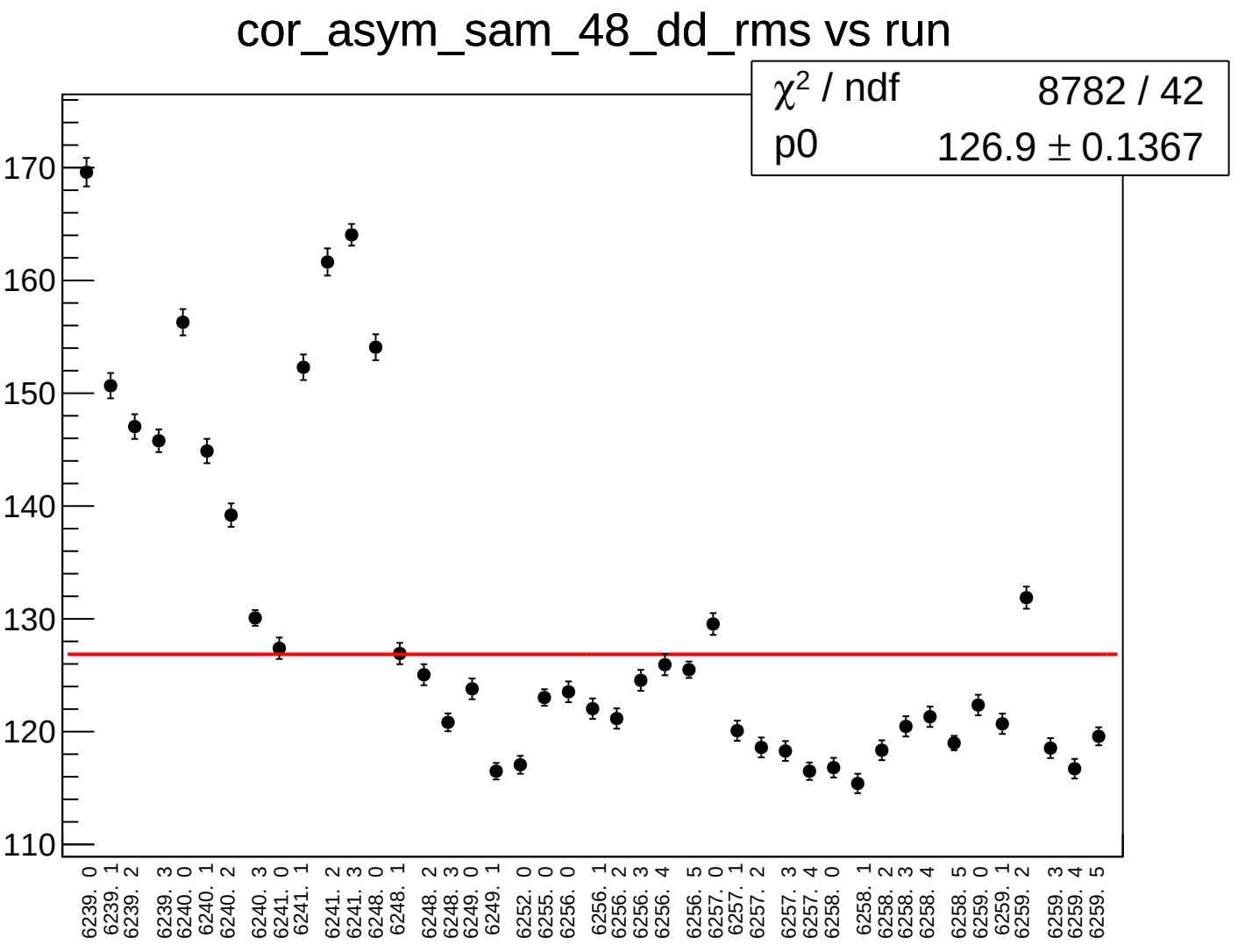

reg_asym_sam_48_dd_rms vs run
χ² / ndf 8782 / 42
p0 126.9 ± 0.1367
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

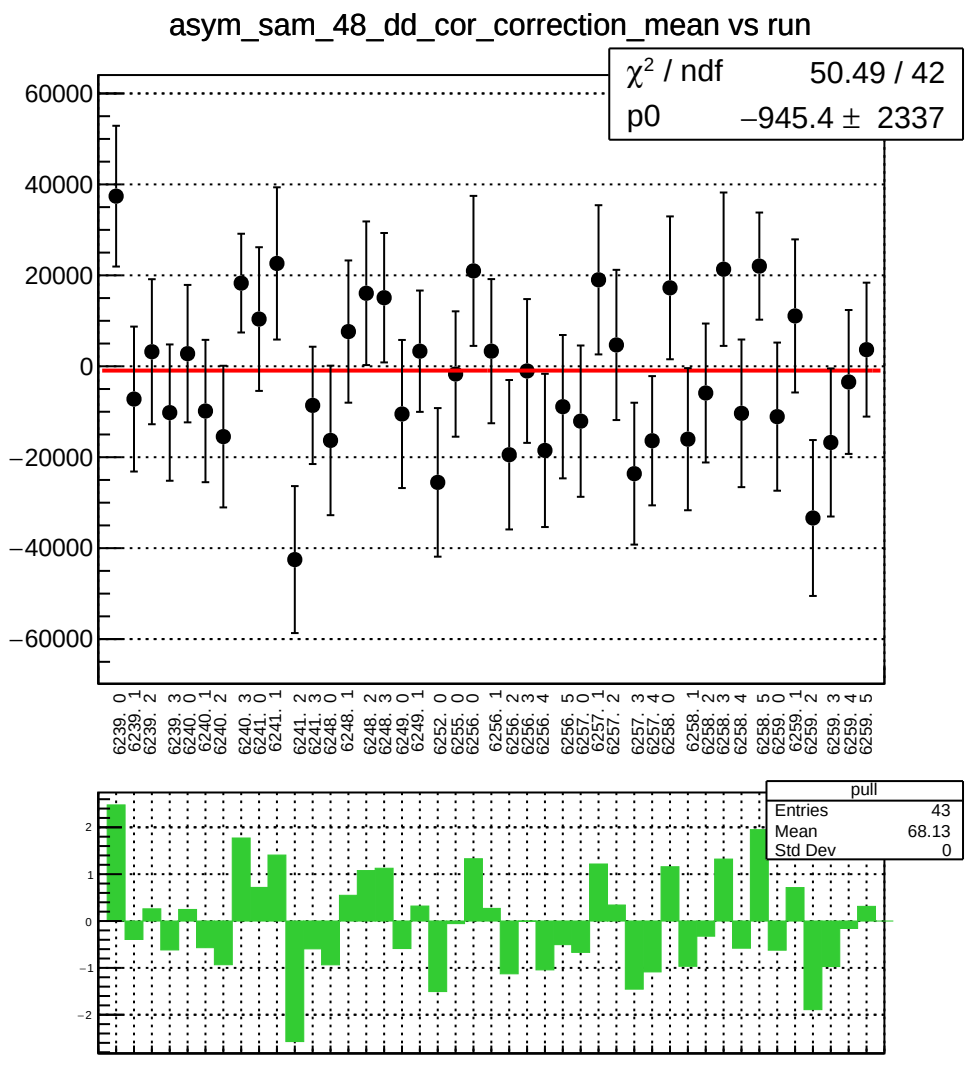

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 50.49 / 42
p0 −945.4 ± 2337
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.14
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03693
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

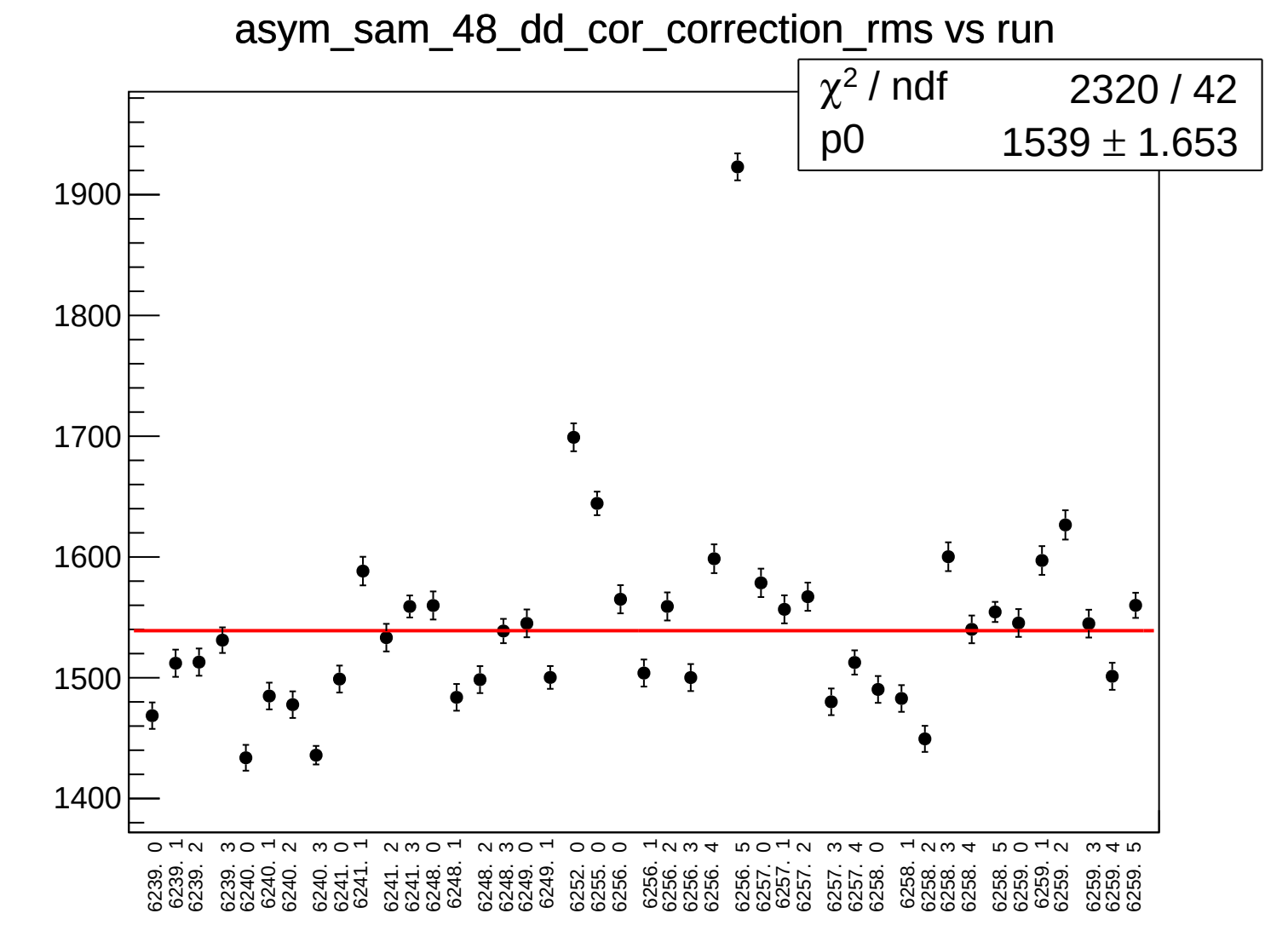

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 2320 / 42
p0 1539 ± 1.653
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

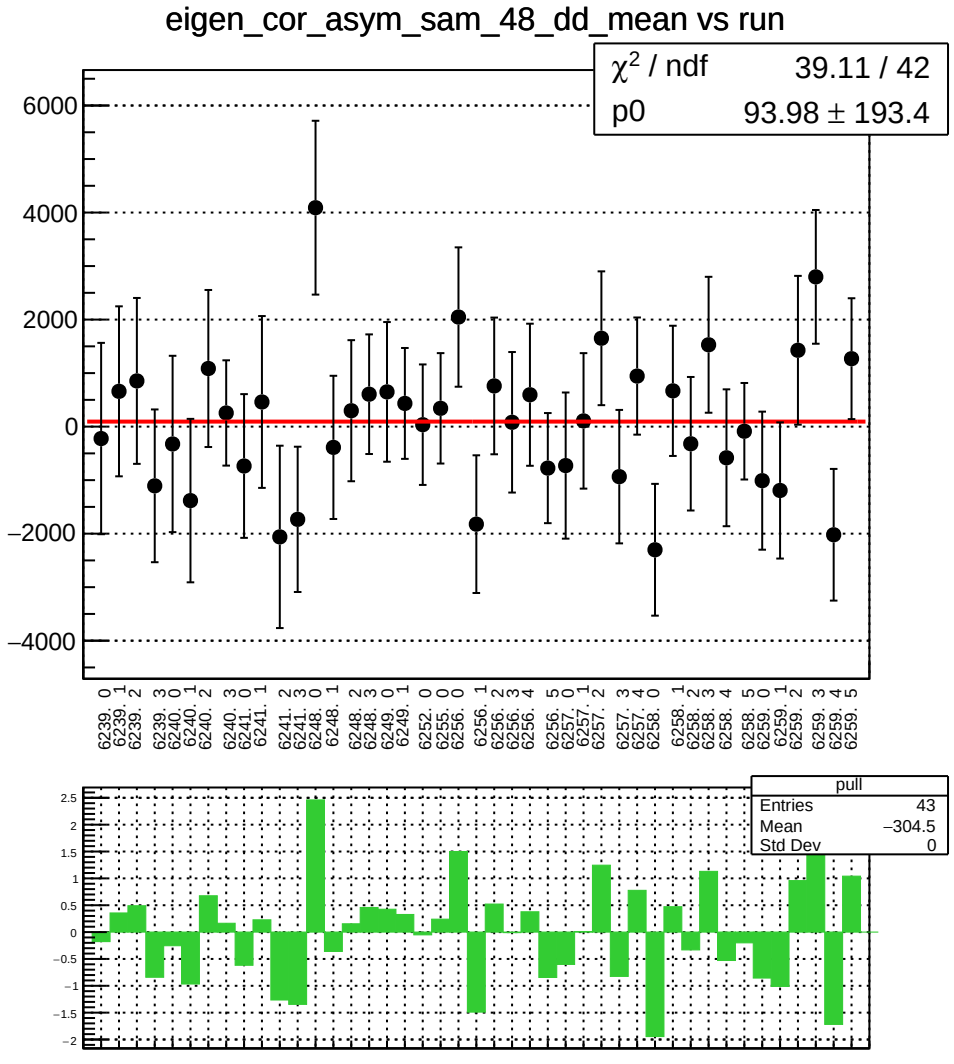

cor_asym_sam_48_dd_mean vs run
χ² / ndf 39.11 / 42
p0 93.98 ± 193.4
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −304.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

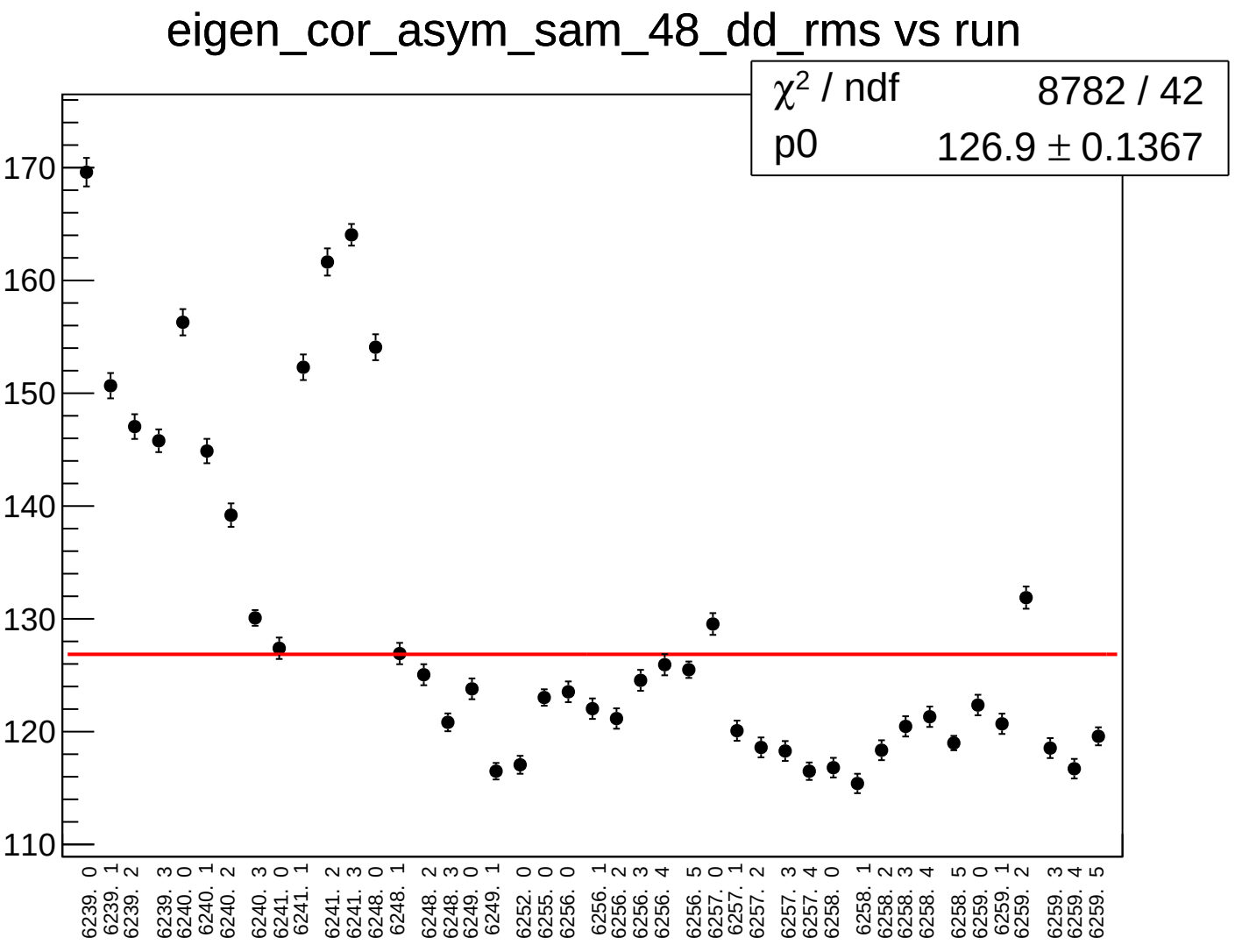

pull1D
Entries 43
Mean −0.001392
Std Dev 0.9537
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

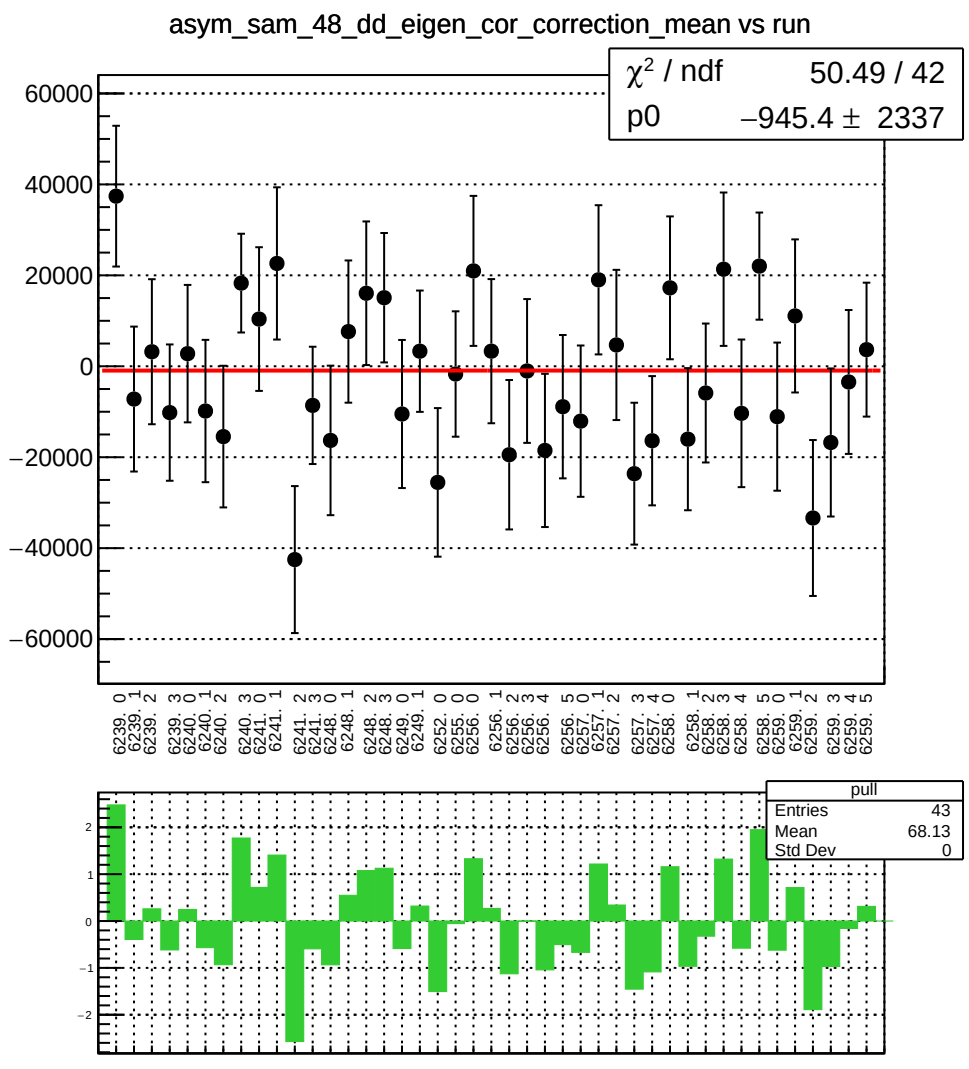

cor_asym_sam_48_dd_rms vs run
χ² / ndf 8782 / 42
p0 126.9 ± 0.1367
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

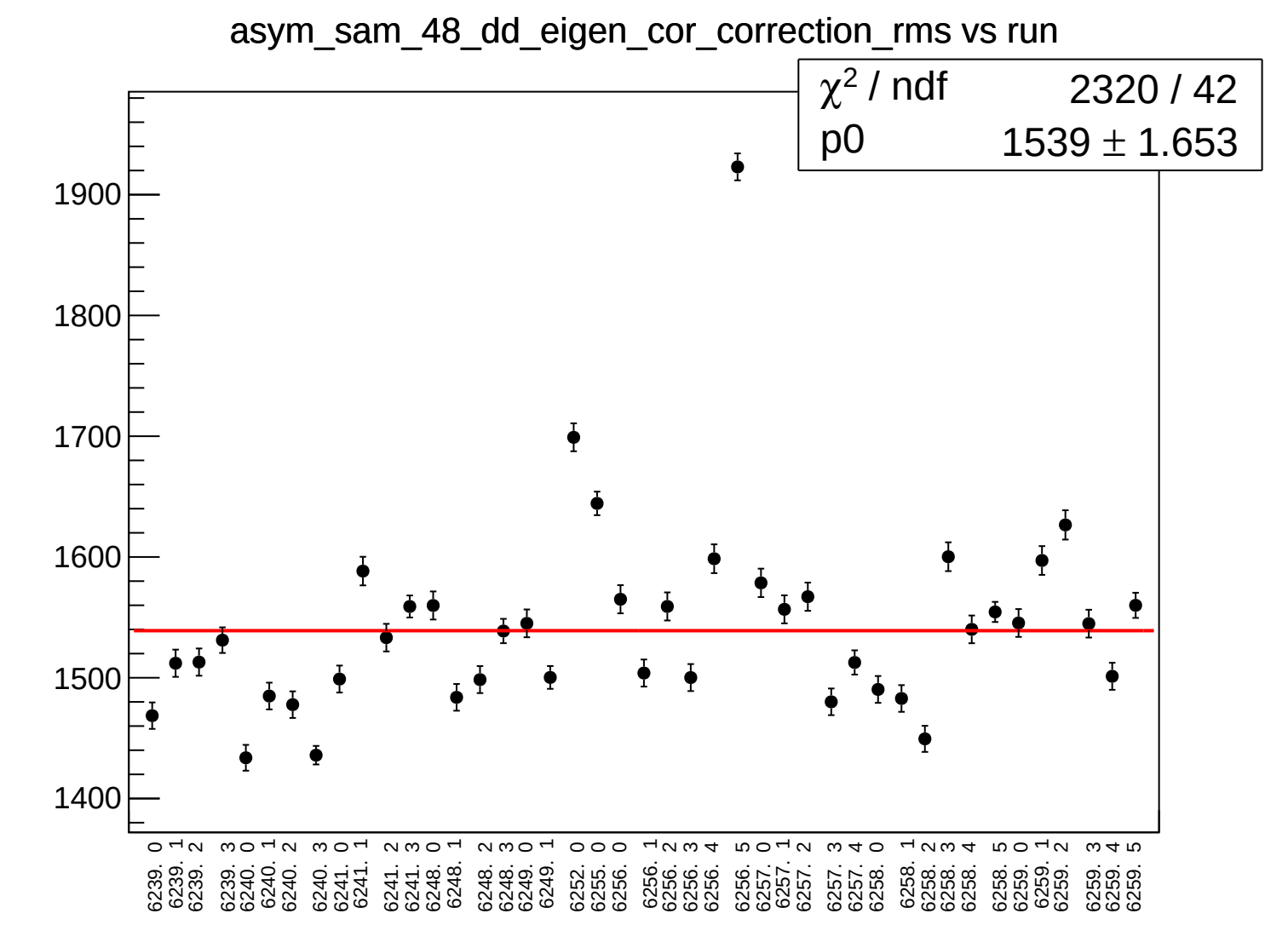

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 50.49 / 42
p0 −945.4 ± 2337
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.13
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03693
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

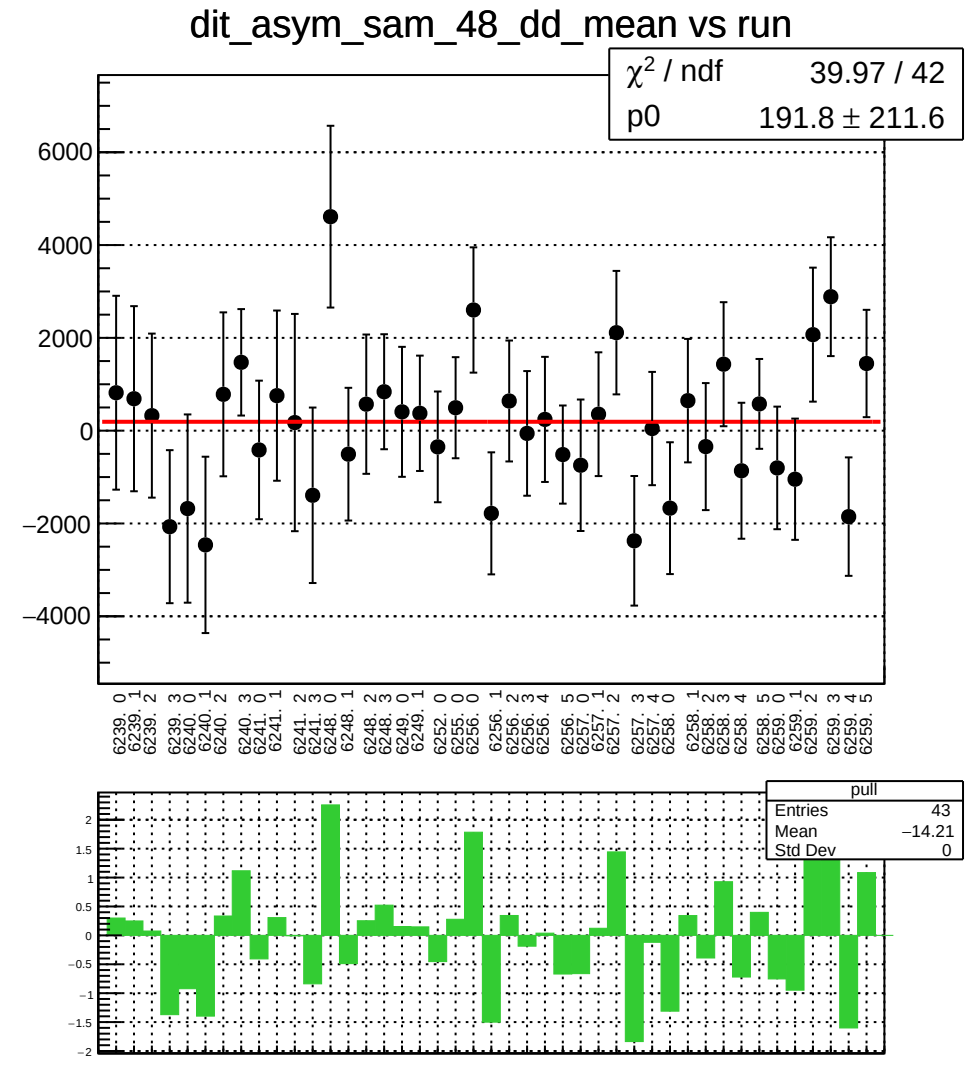

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 2320 / 42
p0 1539 ± 1.653
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

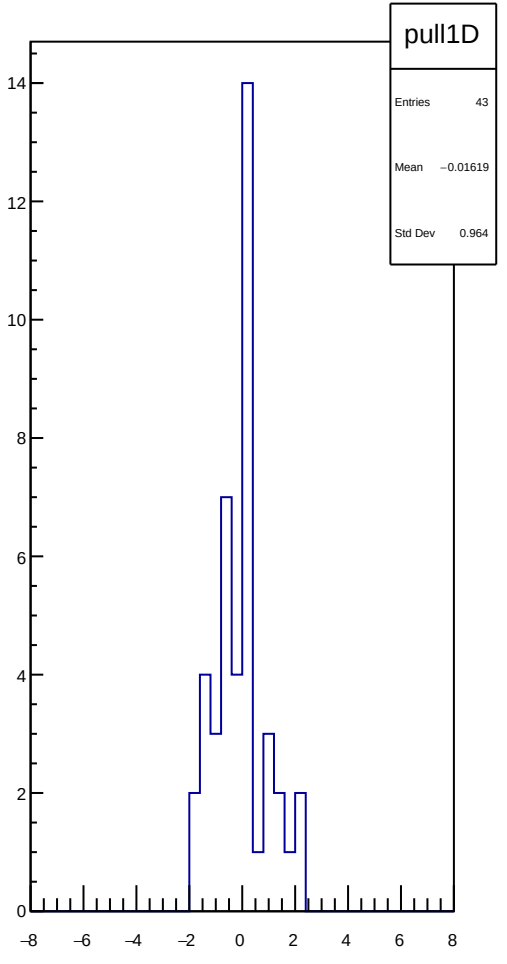

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 39.11 / 42
p0 93.98 ± 193.4
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −304.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.001392
Std Dev 0.9537
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

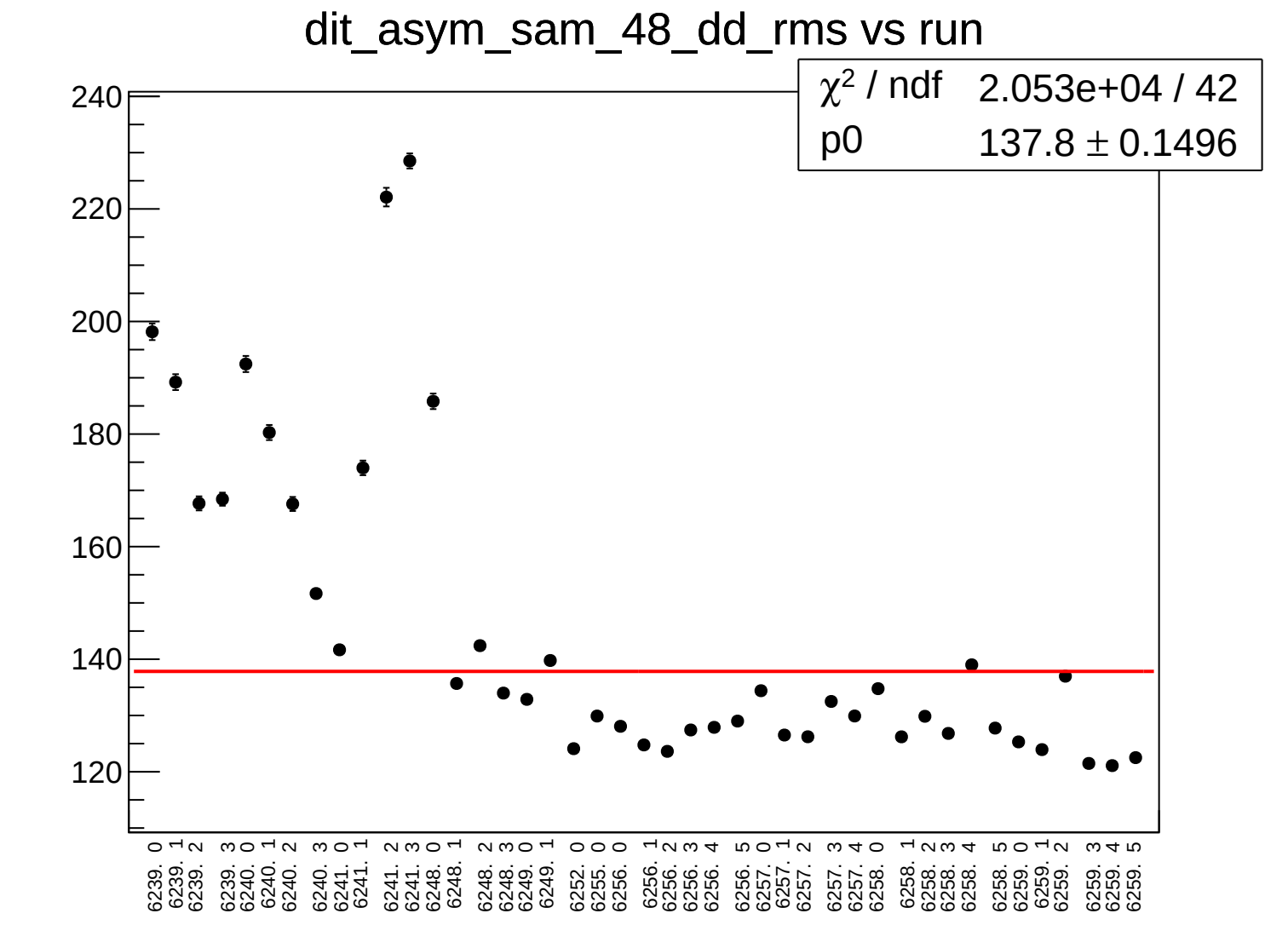

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 8782 / 42
p0 126.9 ± 0.1367
170
160
150
140
130
120
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

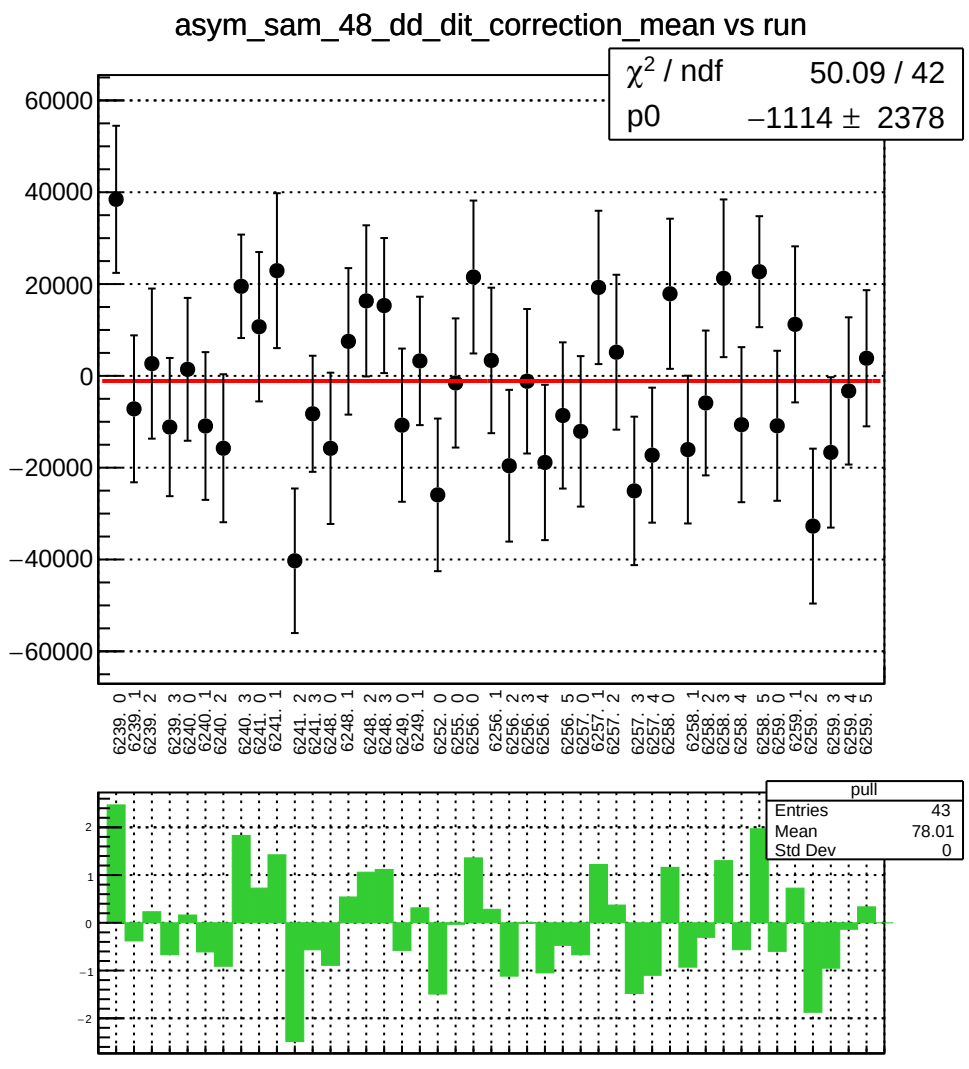

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.49 / 42
p0 −945.4 ± 2337
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.13
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03693
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

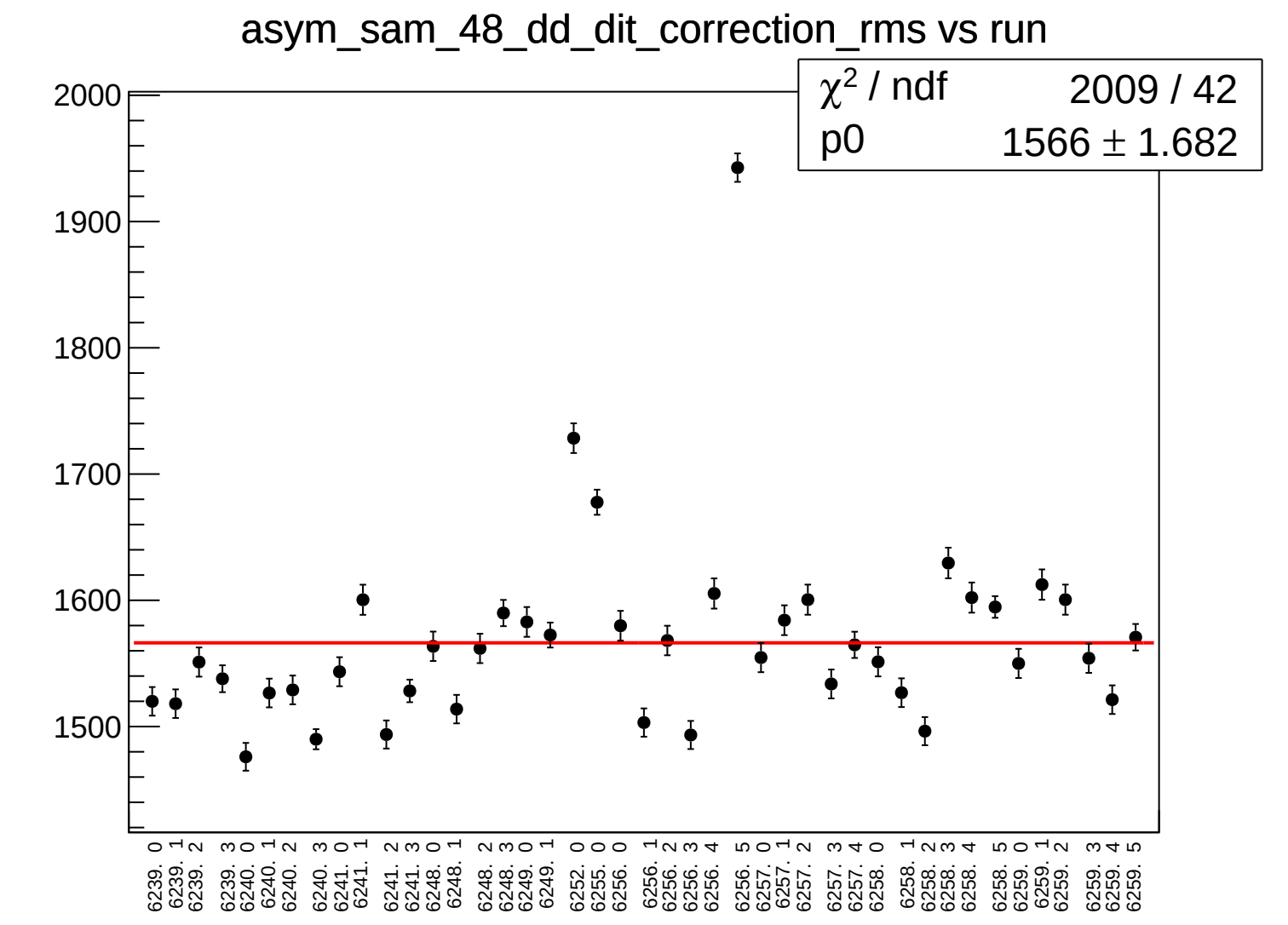

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2320 / 42
p0 1539 ± 1.653
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

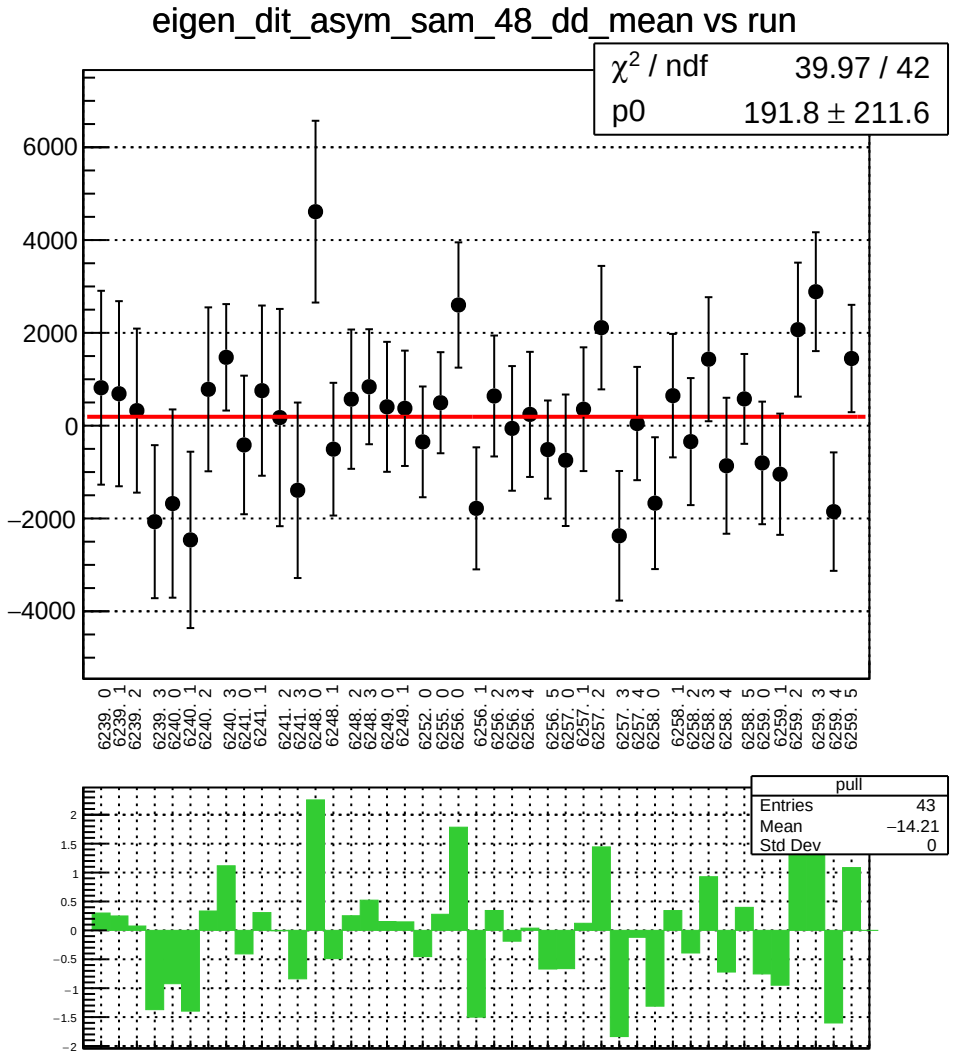

dit_asym_sam_48_dd_mean vs run
χ² / ndf 39.97 / 42
p0 191.8 ± 211.6
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −14.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

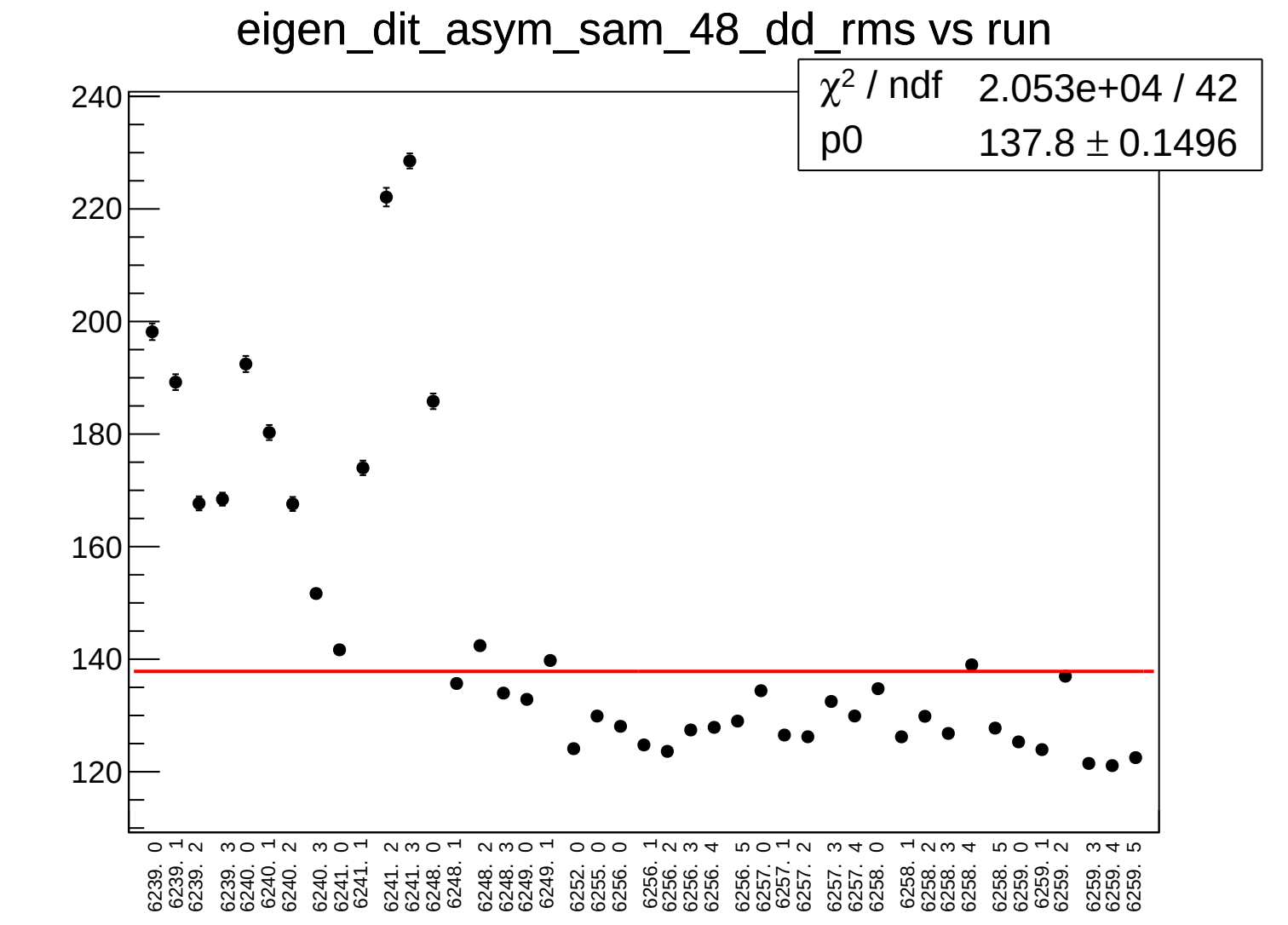

pull1D
Entries 43
Mean −0.01619
Std Dev 0.964
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

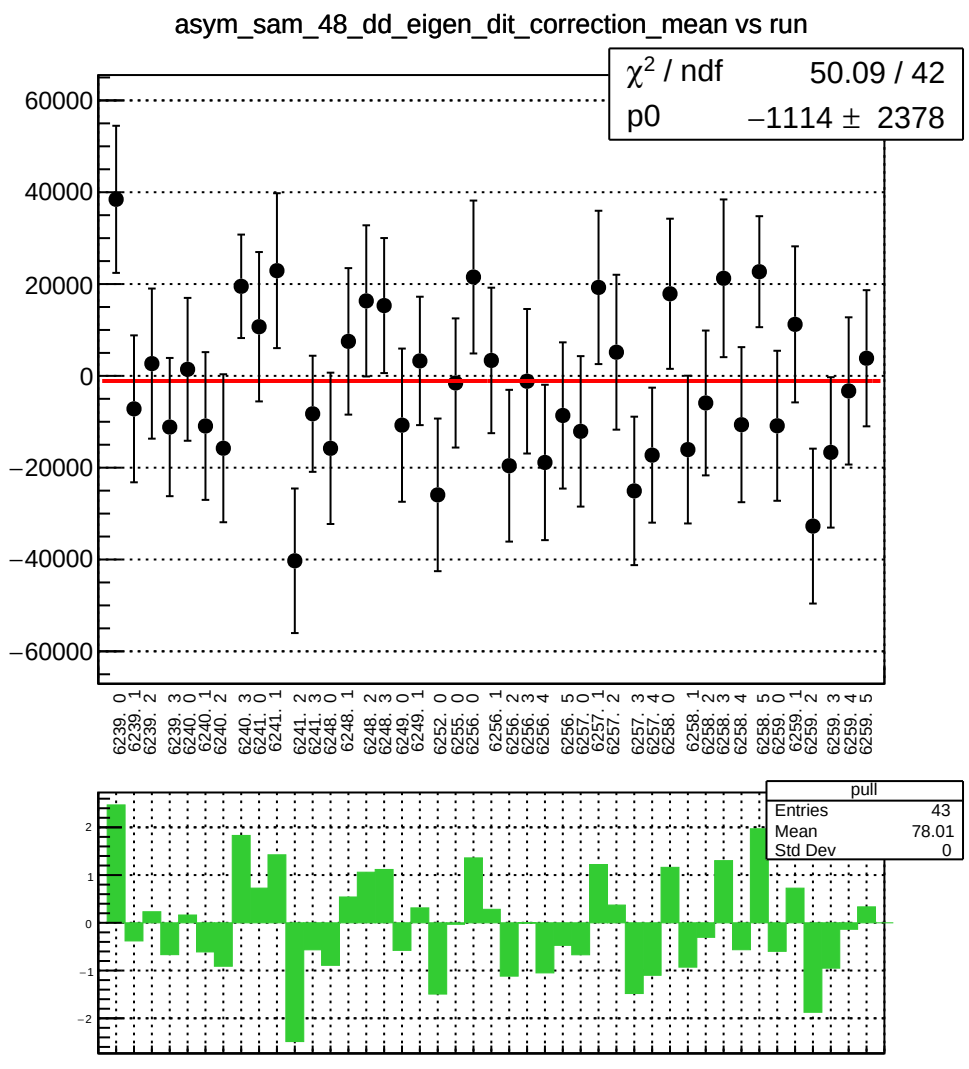

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.053e+04 / 42
p0 137.8 ± 0.1496
240
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

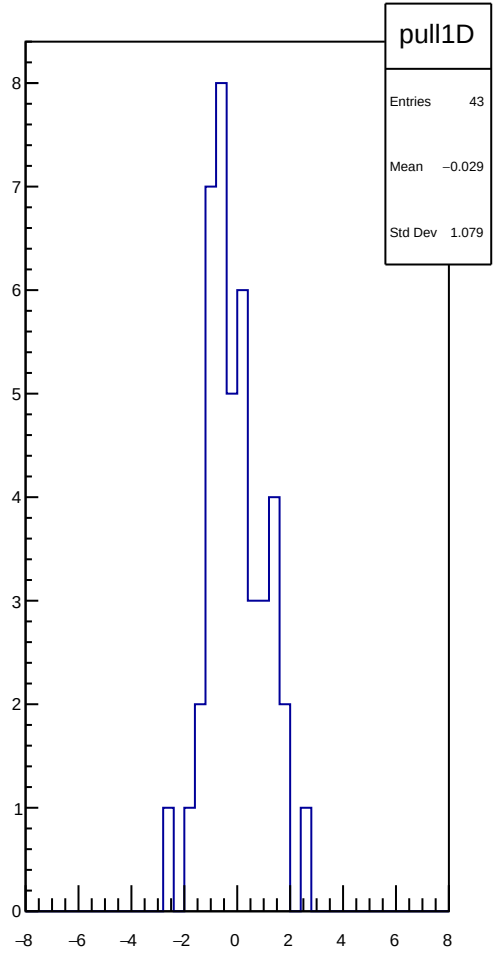

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 50.09 / 42
p0 −1114 ± 2378
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 78.01
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.029
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

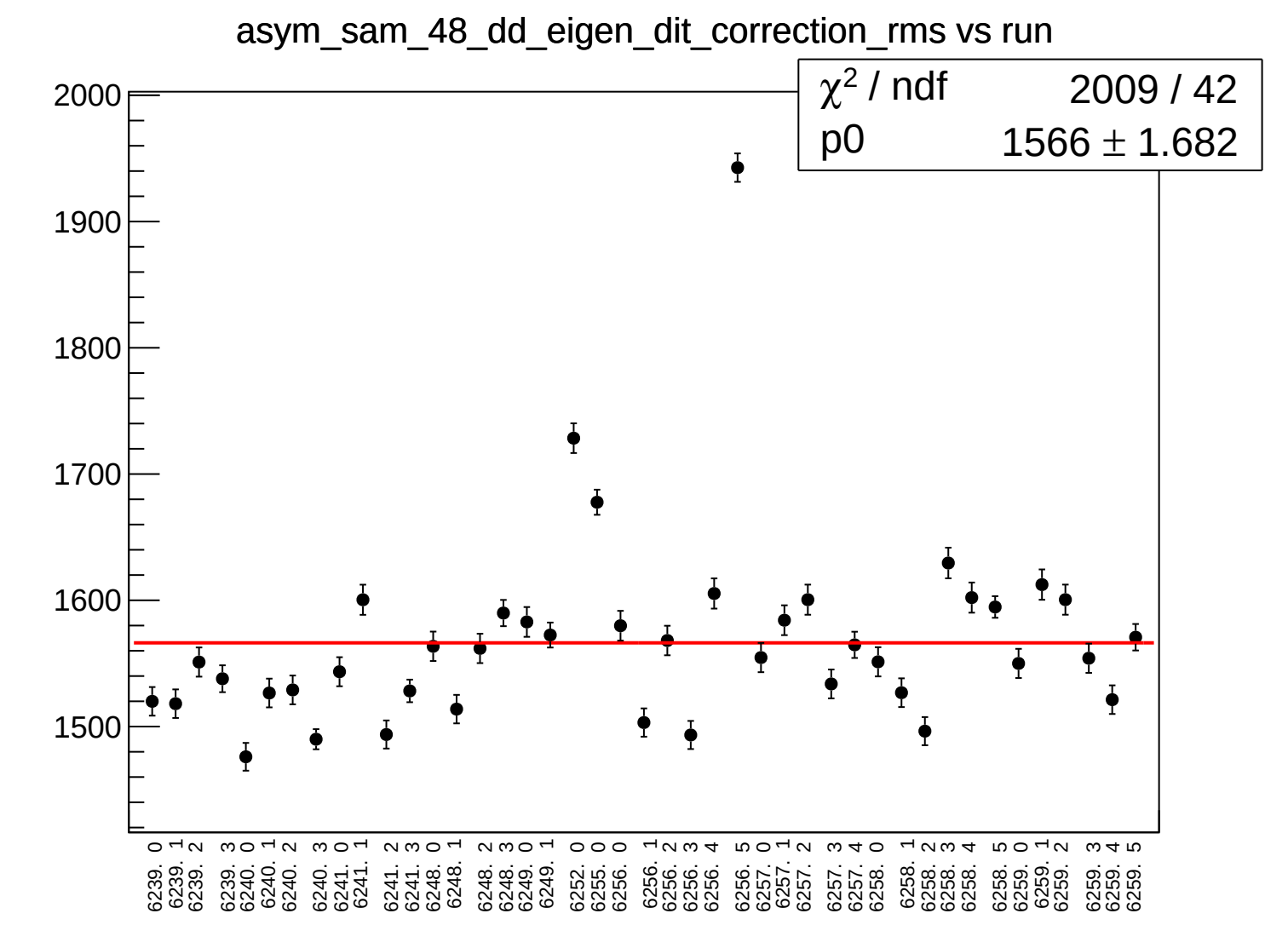

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 2009 / 42
p0 1566 ± 1.682
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

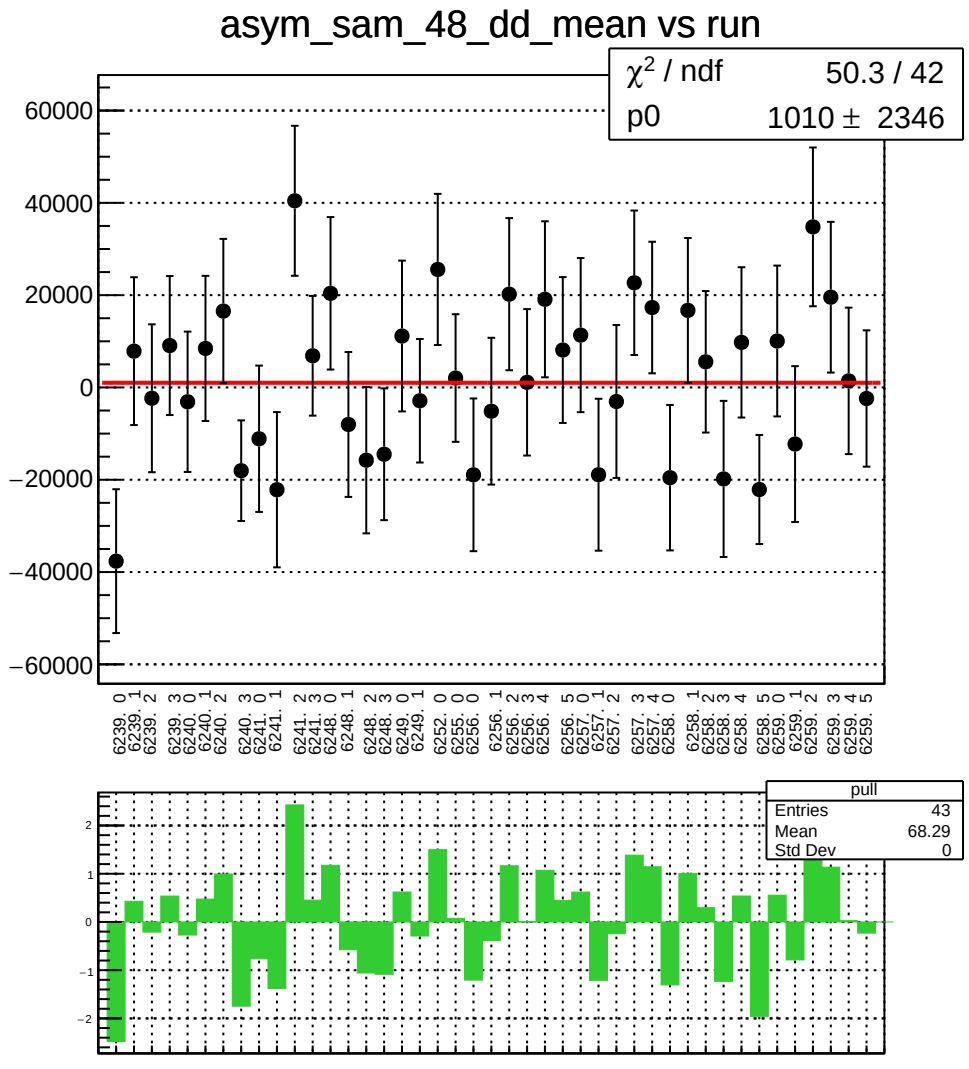

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 39.97 / 42
p0 191.8 ± 211.6
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −14.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01619
Std Dev 0.964
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

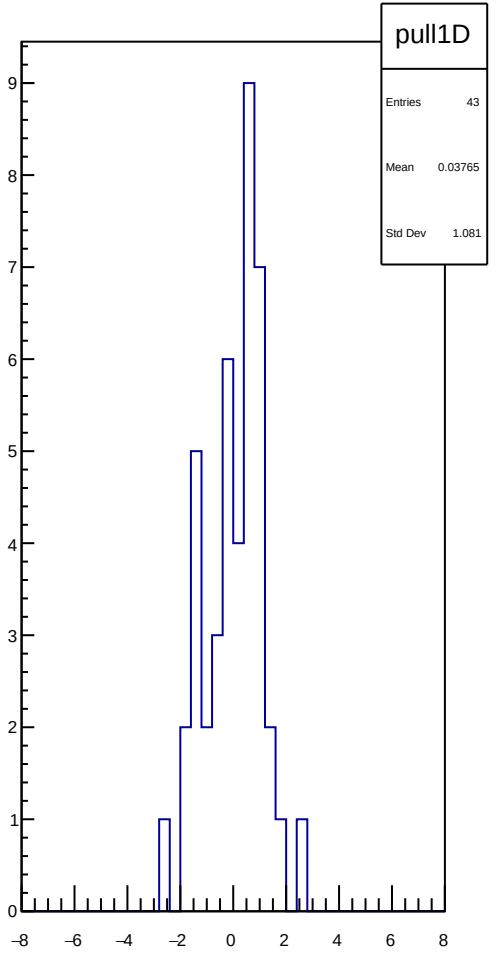

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.053e+04 / 42
p0 137.8 ± 0.1496
240
220
200
180
160
140
120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

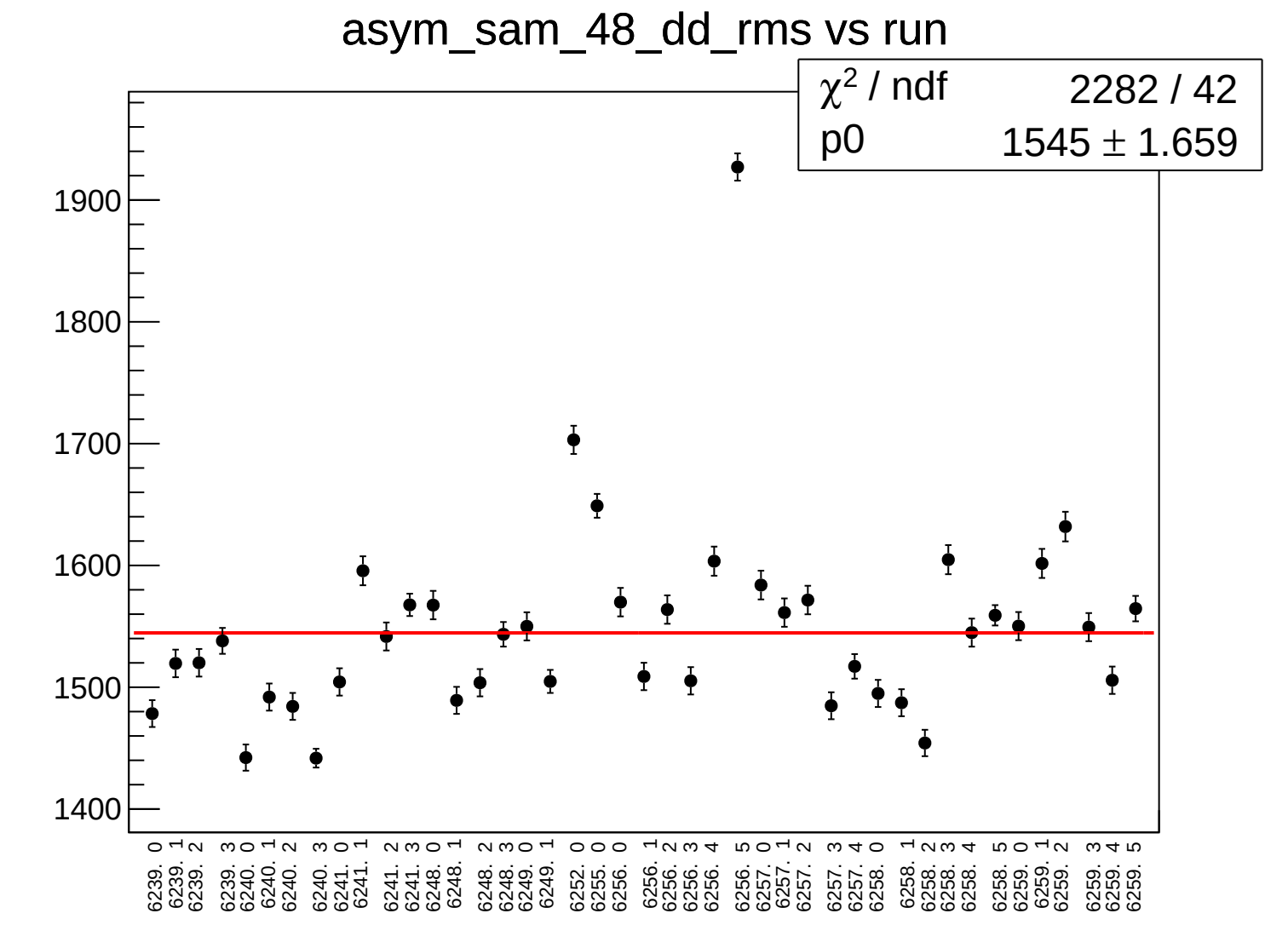

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.09 / 42
p0 −1114 ± 2378
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 78.01
Std Dev 0
2
1
0
−1
−2

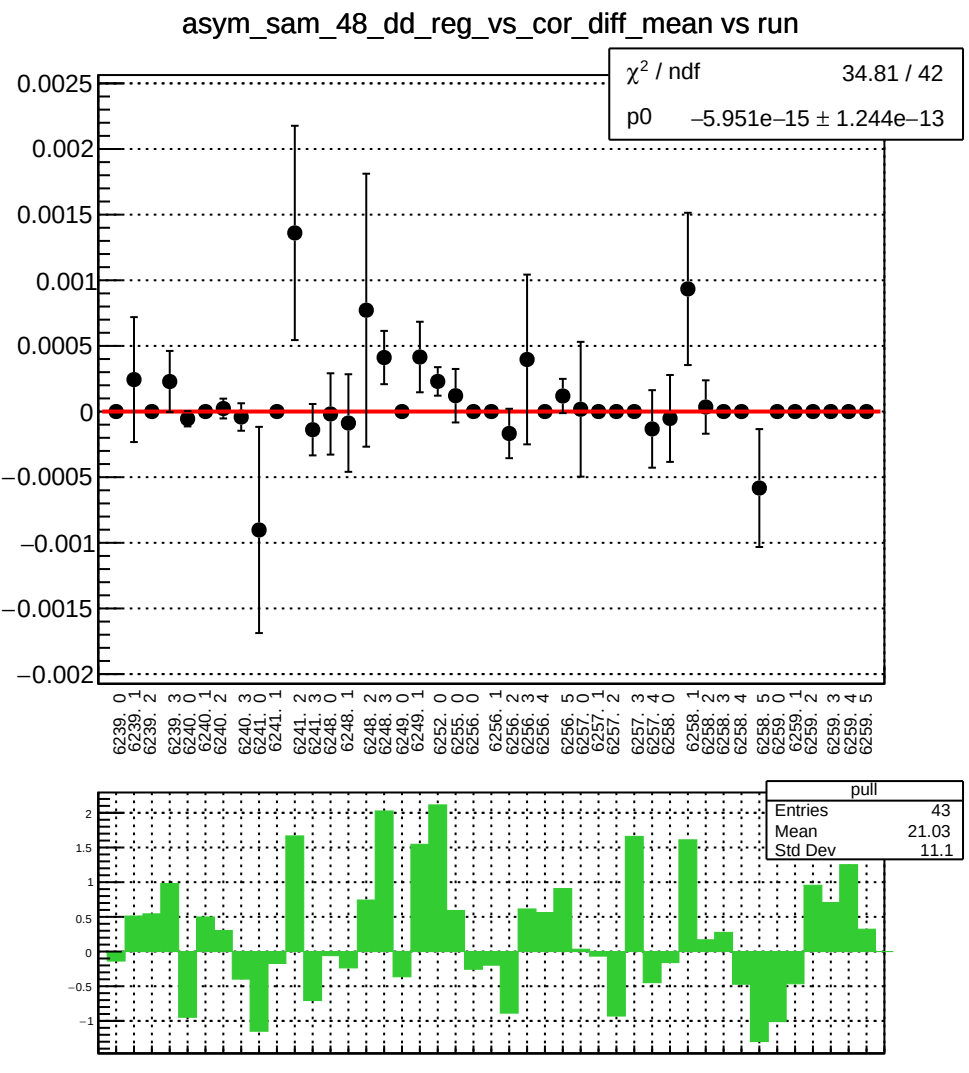

pull1D
Entries 43
Mean −0.029
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

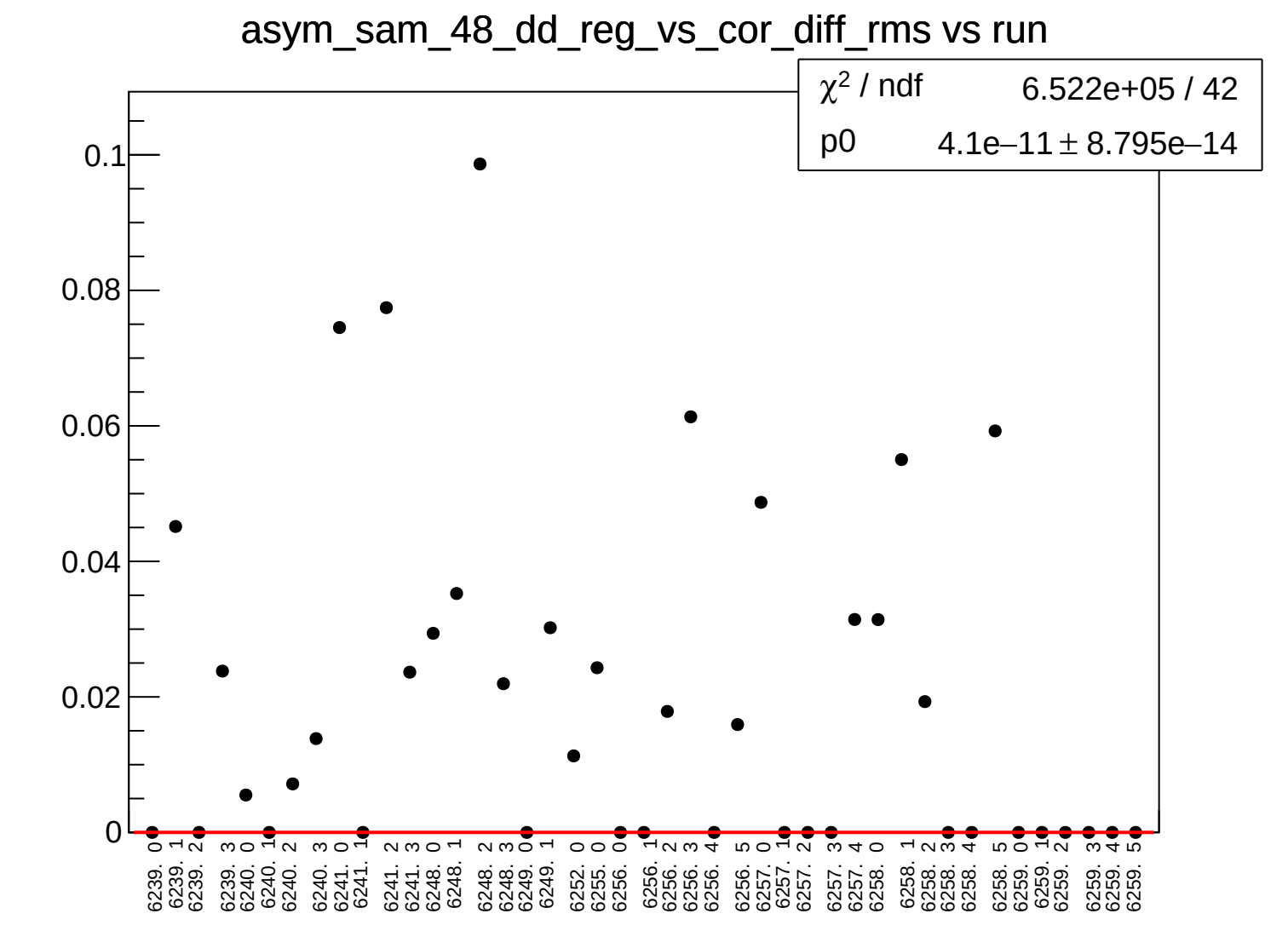

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2009 / 42
p0 1566 ± 1.682
2000
1900
1800
1700
1600
1500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

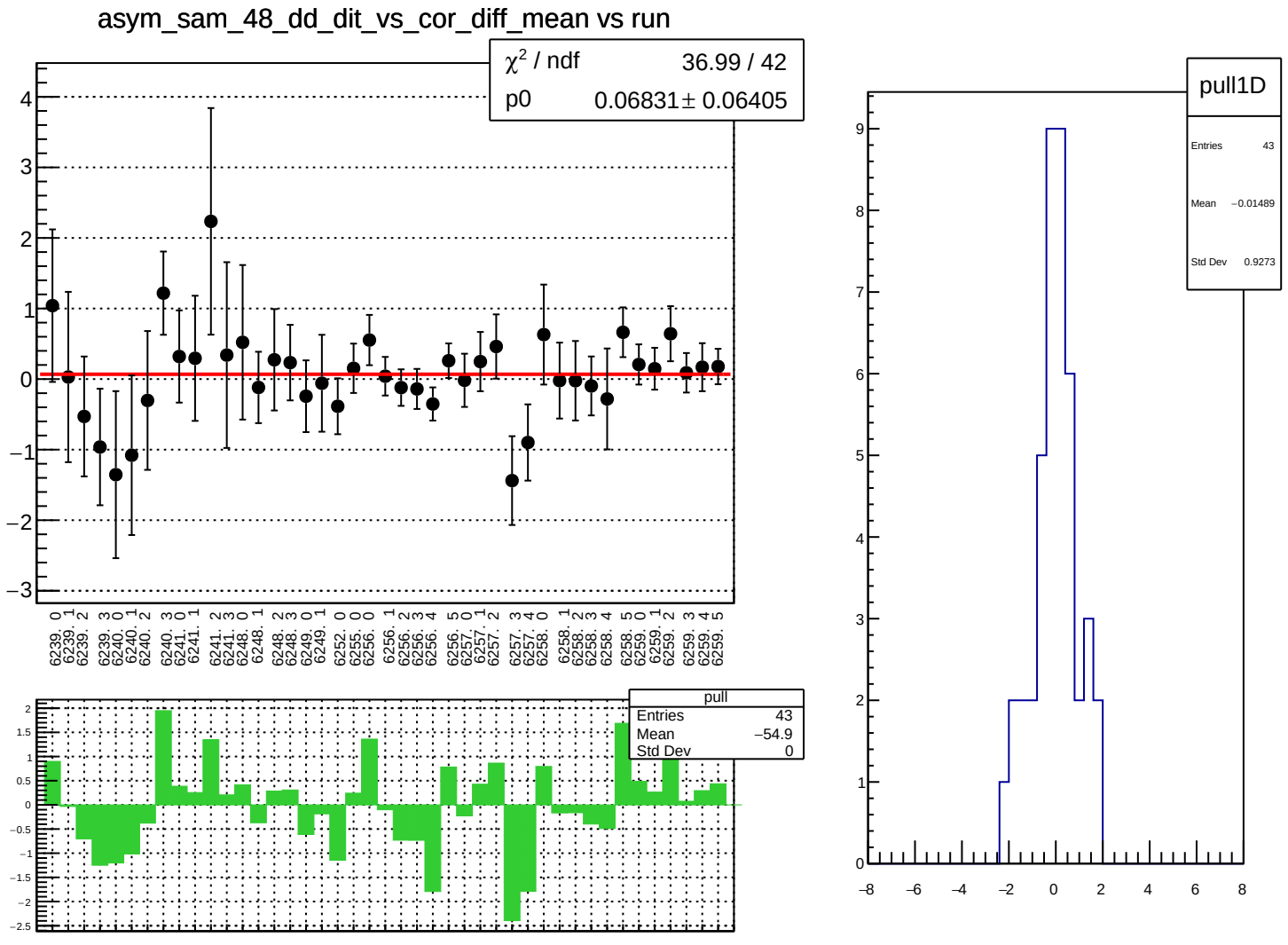

asym_sam_48_dd_mean vs run
χ² / ndf 50.3 / 42
p0 1010 ± 2346
60000
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 68.29
Std Dev 0
2
1
0
−1
−2

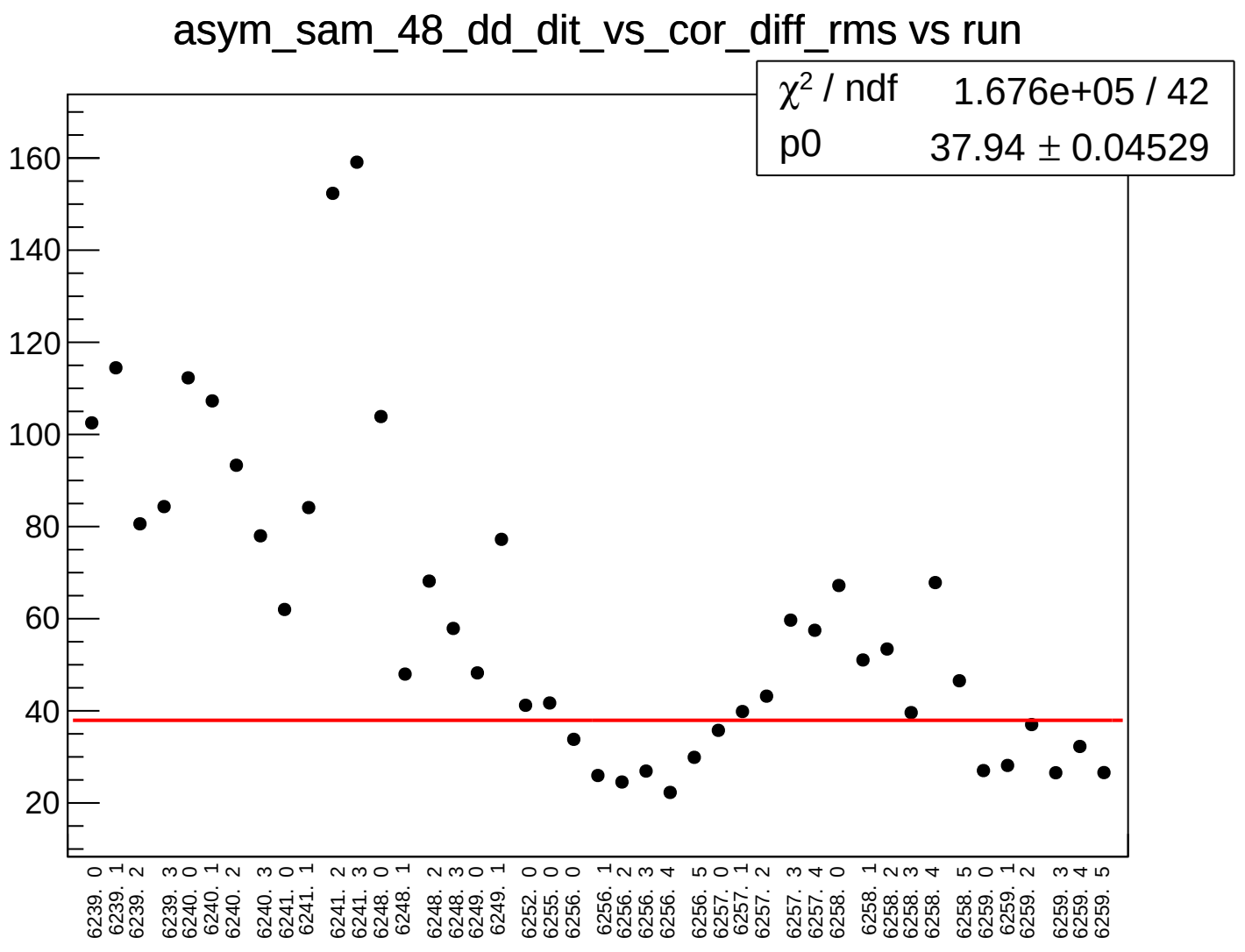

pull1D
Entries 43
Mean 0.03765
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

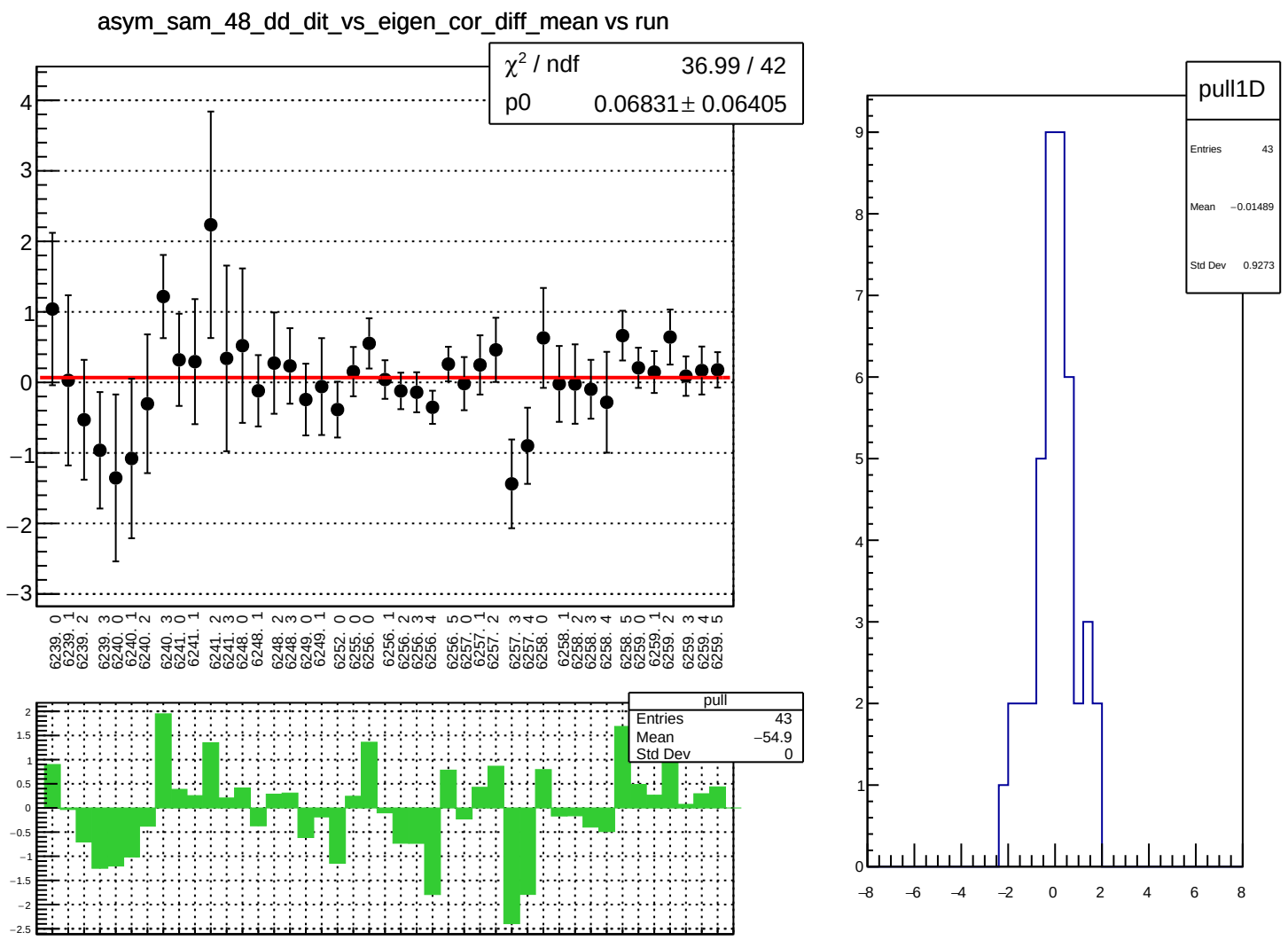

asym_sam_48_dd_rms vs run
χ² / ndf 2282 / 42
p0 1545 ± 1.659
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

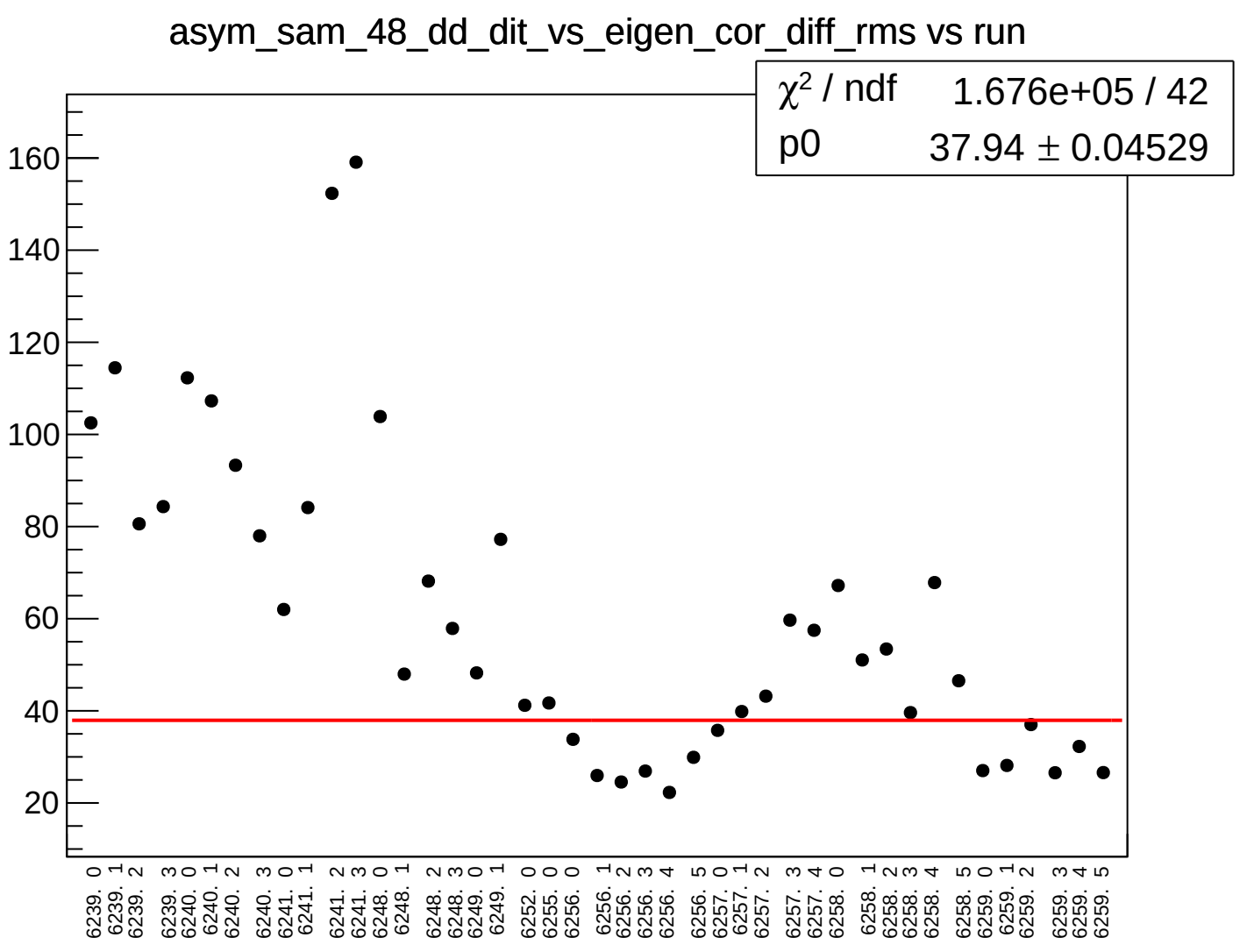

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.81 / 42
p0 −5.951e−15 ± 1.244e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.03
Std Dev 11.1
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.2383
Std Dev 0.8676
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

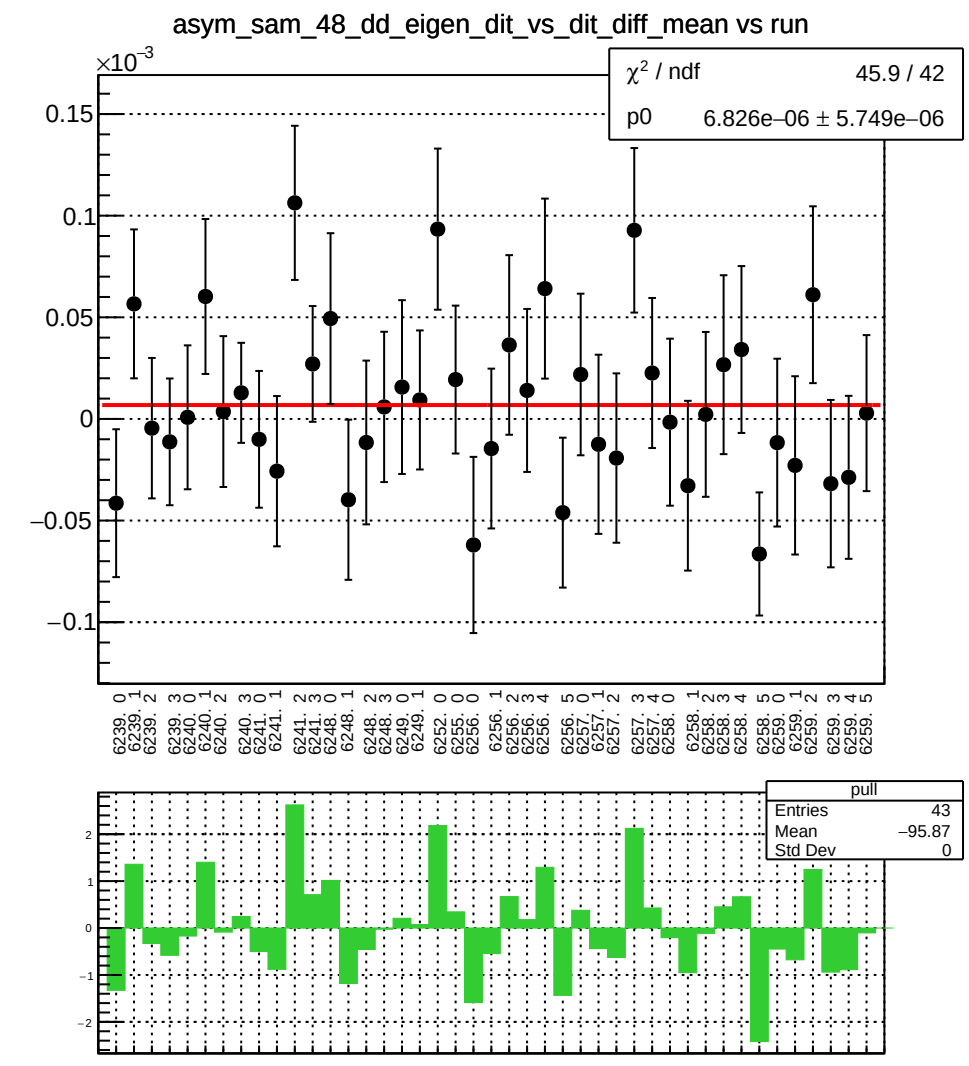

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.522e+05 / 42
p0 4.1e−11 ± 8.795e−14
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

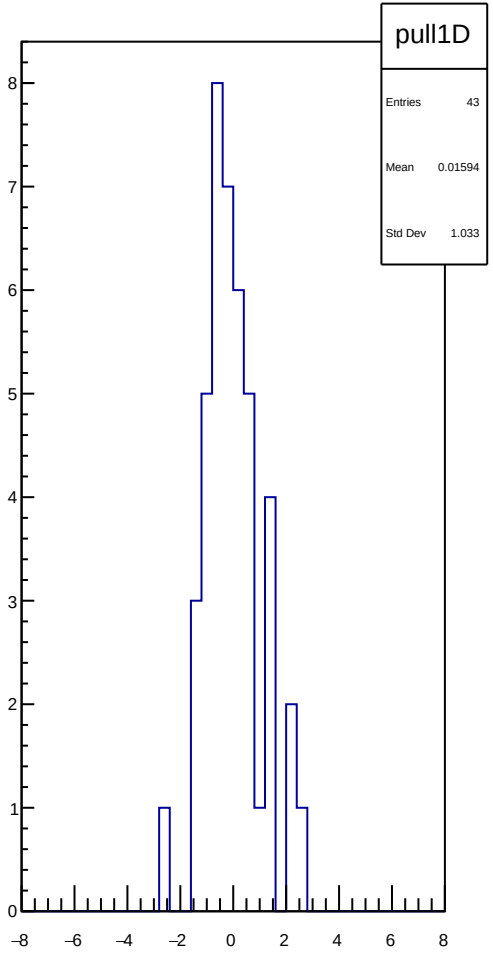

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.99 / 42
p0 0.06831 ± 0.06405
pull
Entries 43
Mean −54.9
Std Dev 0
pull1D
Entries 43
Mean −0.01489
Std Dev 0.9273

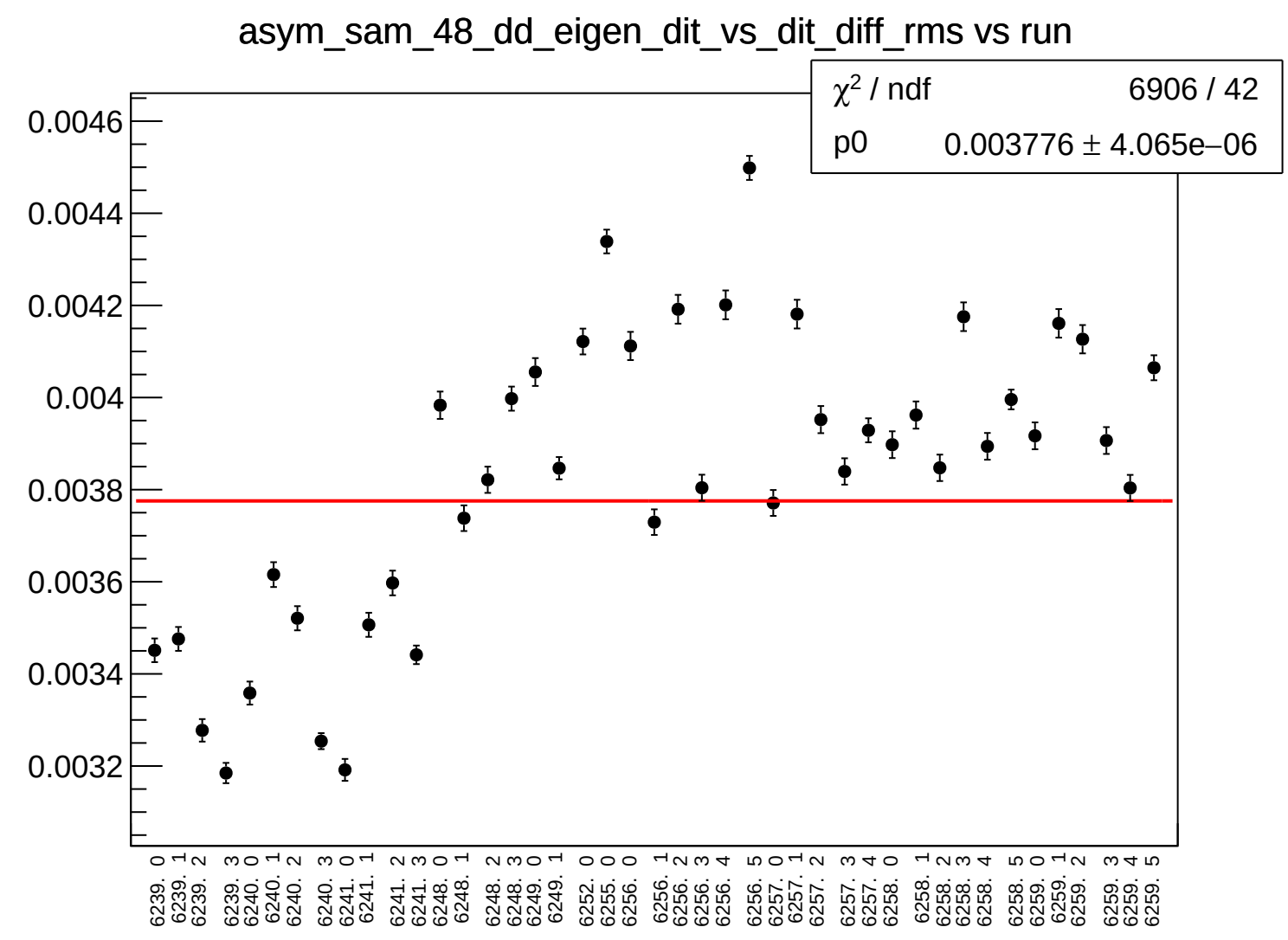

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.676e+05 / 42
p0 37.94 ± 0.04529
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

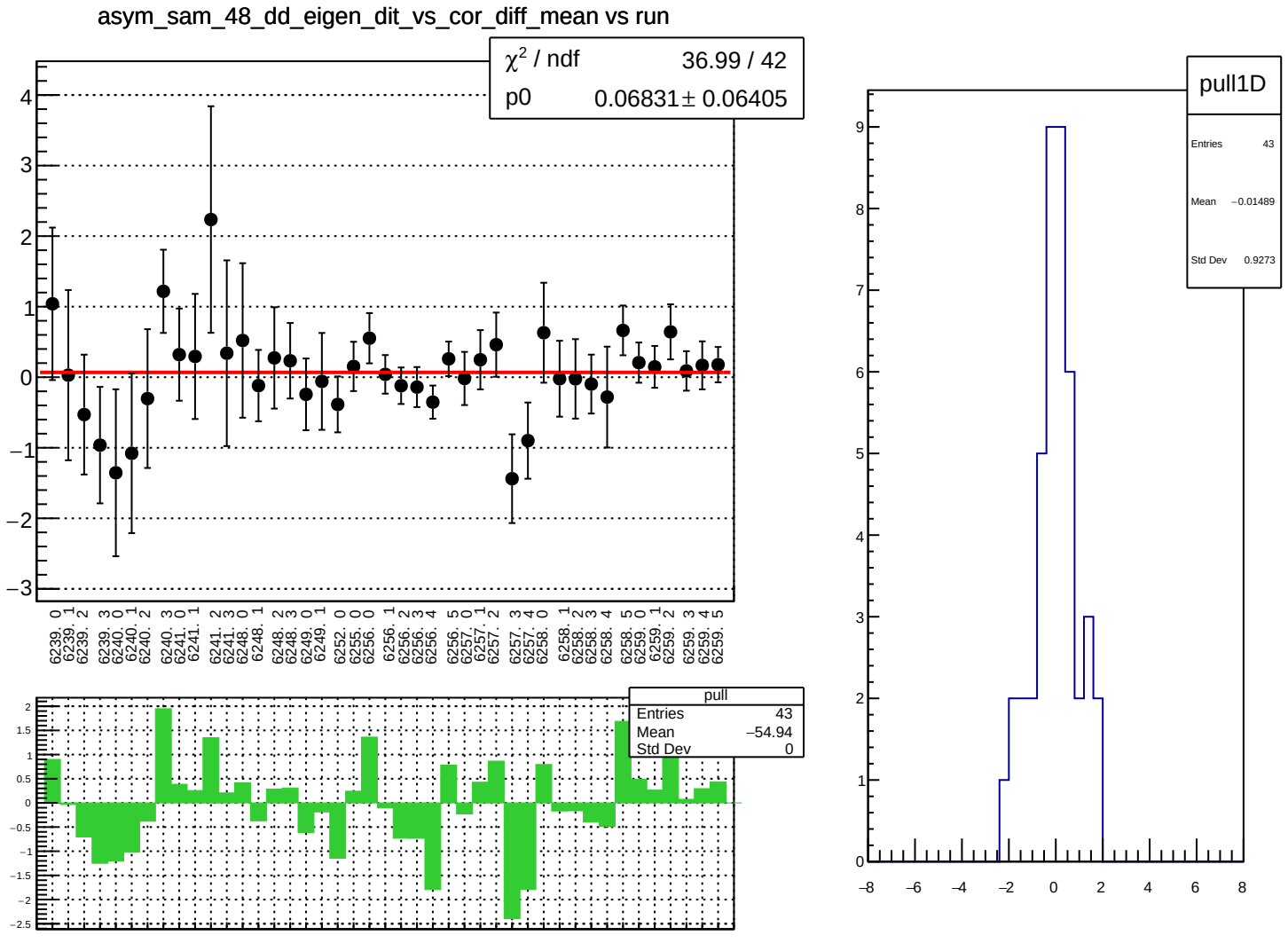

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.99 / 42
p0 0.06831 ± 0.06405
pull
Entries 43
Mean −54.9
Std Dev 0
pull1D
Entries 43
Mean −0.01489
Std Dev 0.9273

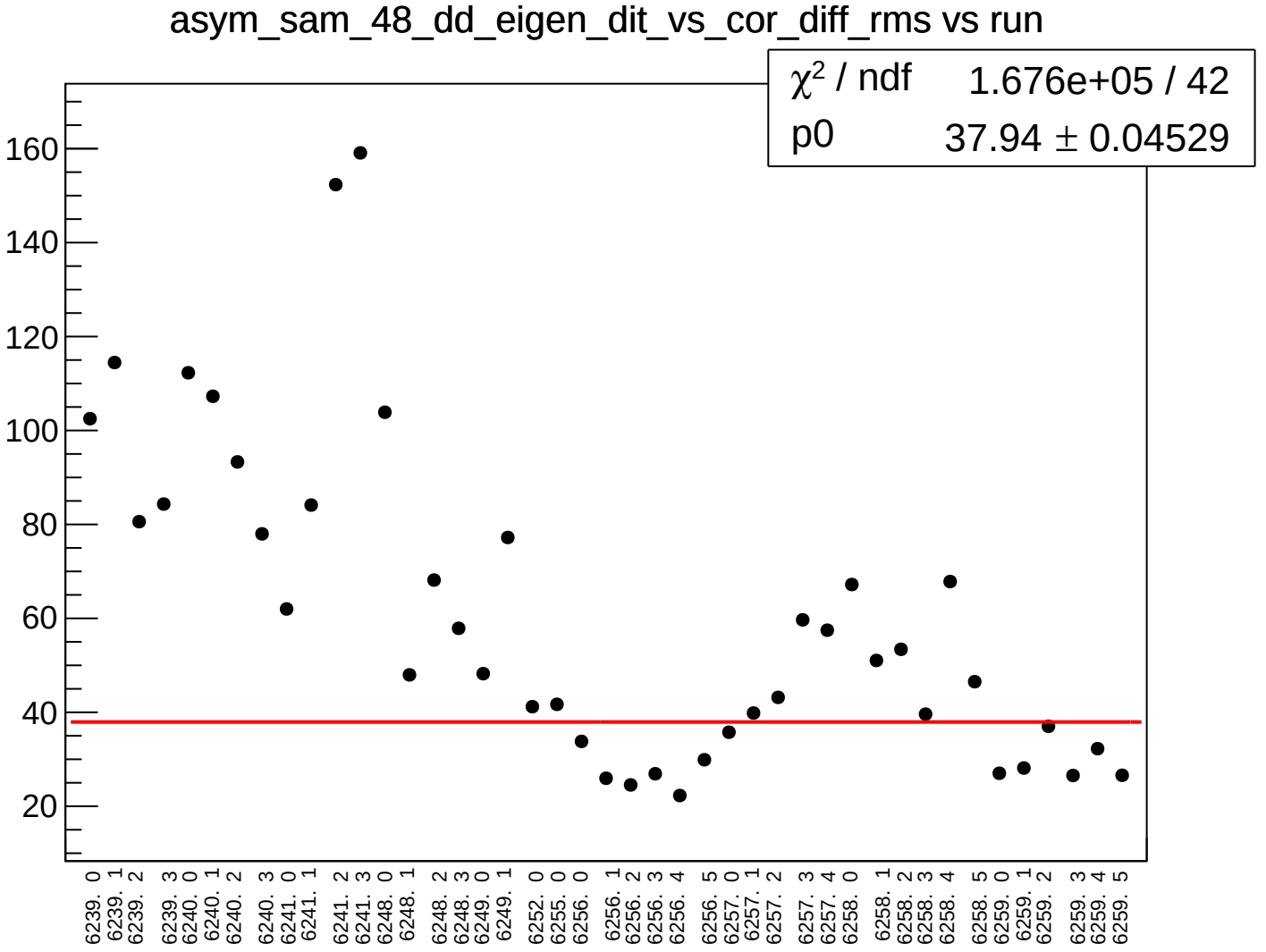

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.676e+05 / 42
p0 37.94 ± 0.04529
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

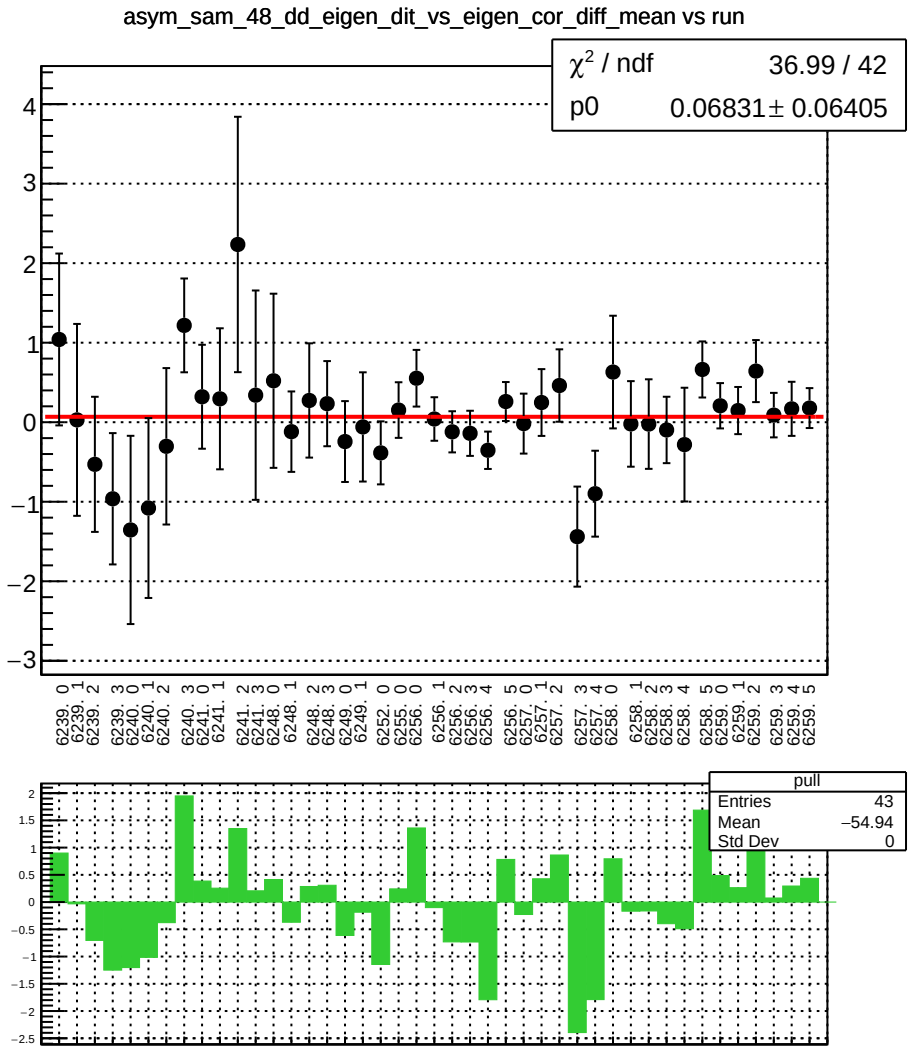

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 45.9 / 42
p0 6.826e−06 ± 5.749e−06
0.15
0.1
0.05
0
−0.05
−0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −95.87
Std Dev 0
2
1
0
−1
−2

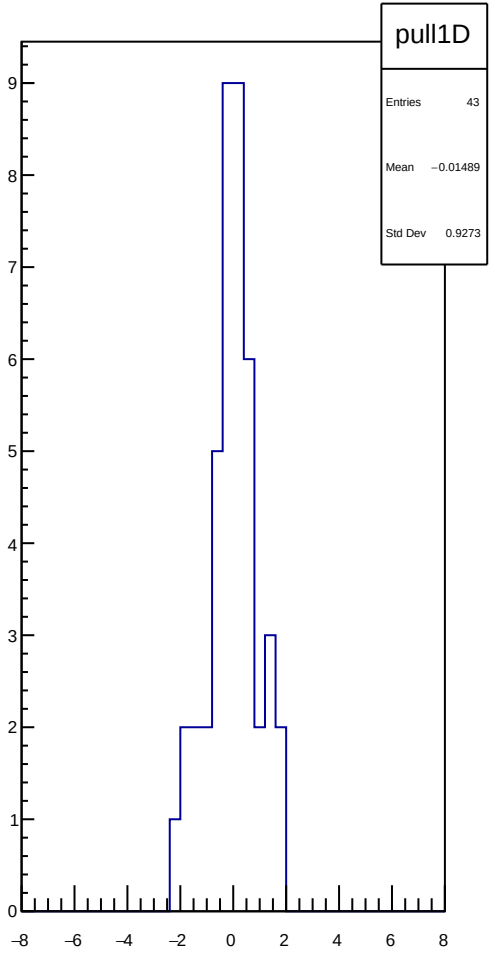

pull1D
Entries 43
Mean 0.01594
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

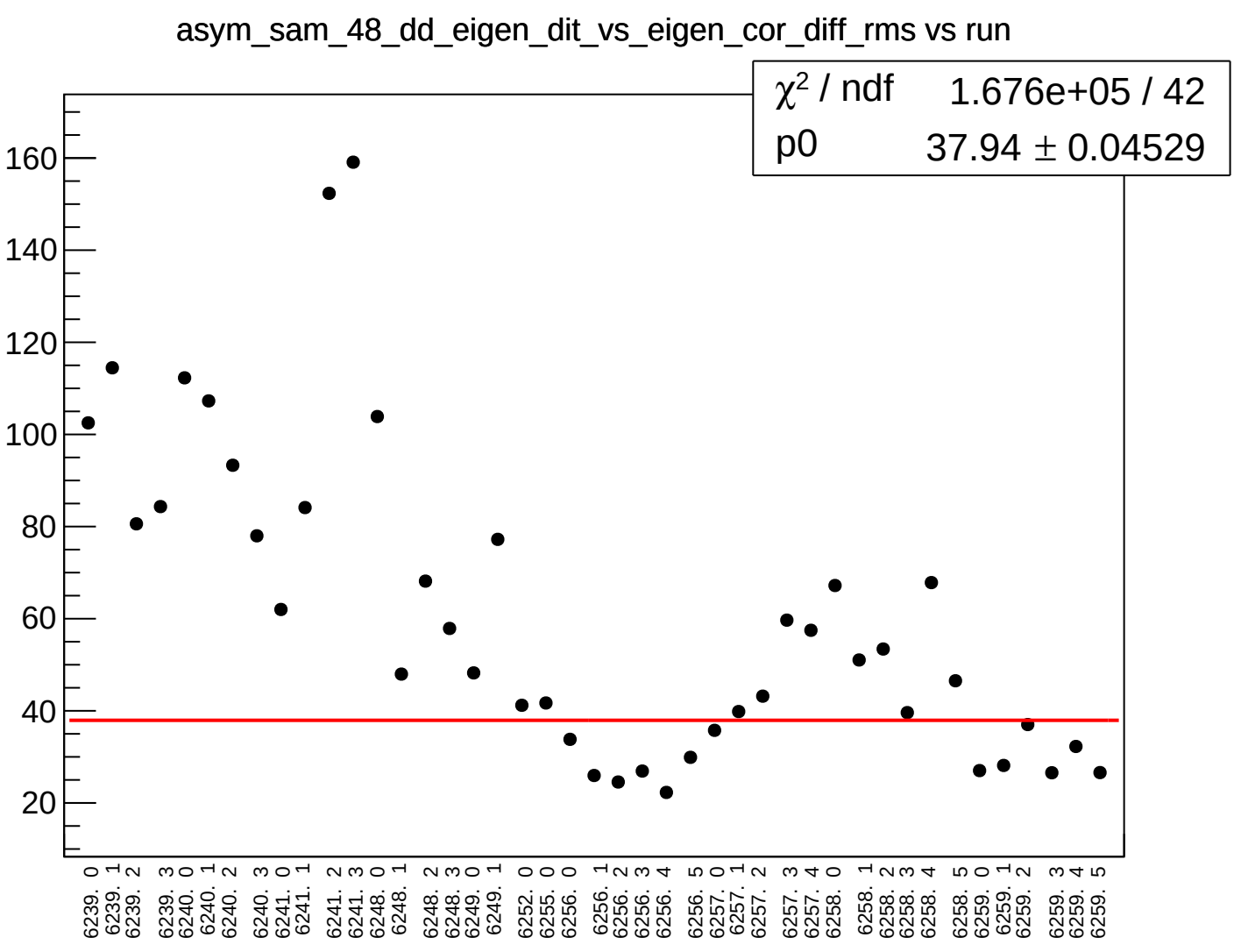

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6906 / 42
p0 0.003776 ± 4.065e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

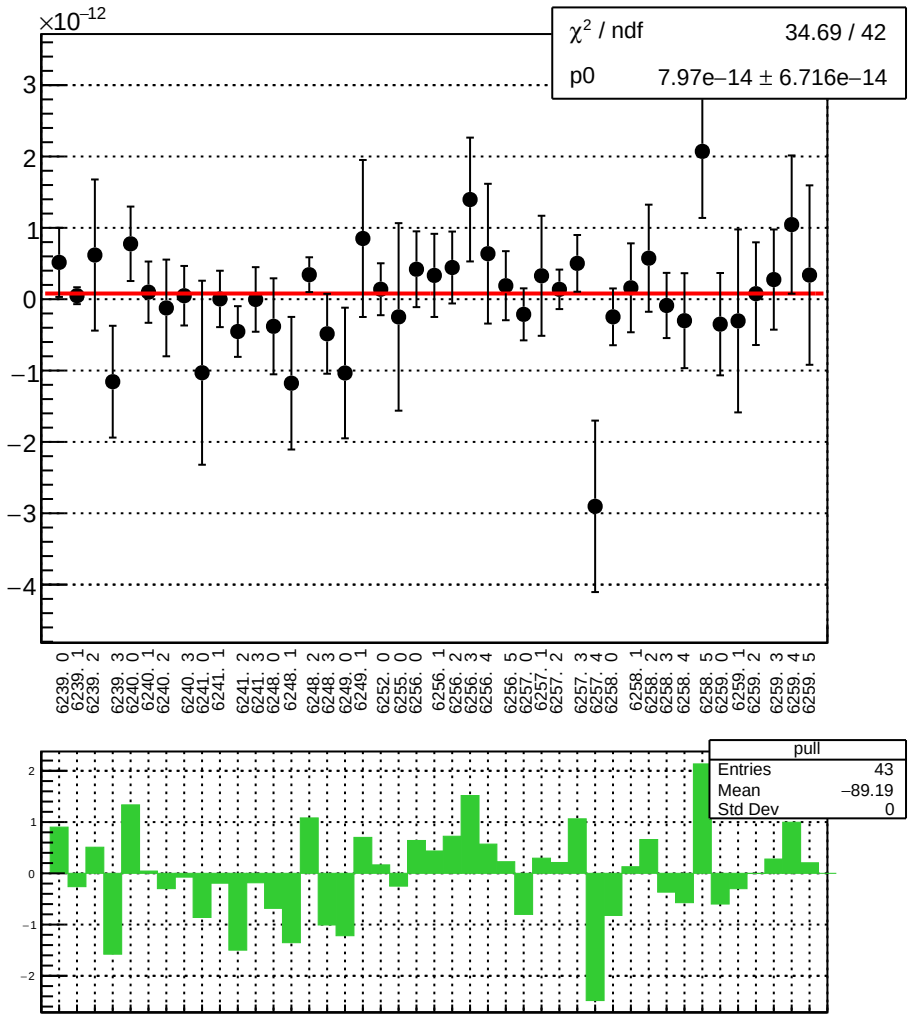

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.99 / 42
p0 0.06831 ± 0.06405
pull
Entries 43
Mean −54.94
Std Dev 0
pull1D
Entries 43
Mean −0.01489
Std Dev 0.9273

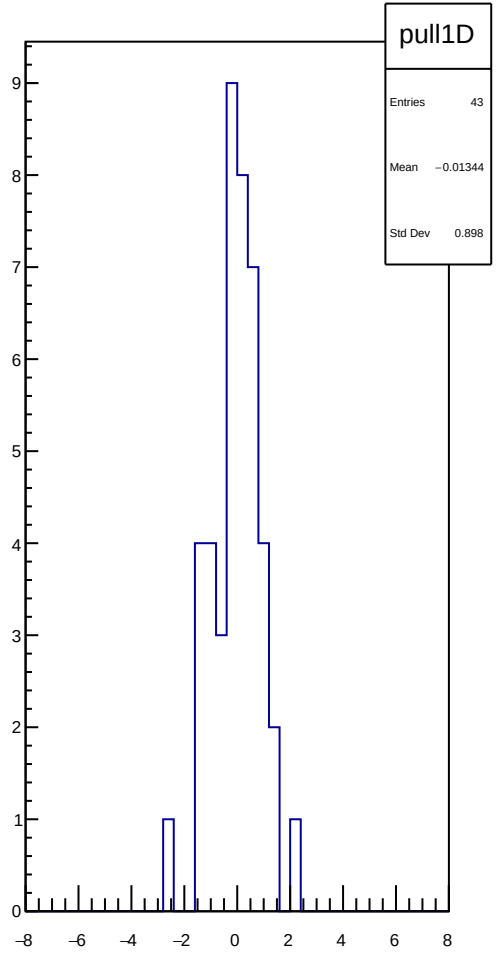

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.676e+05 / 42
p0 37.94 ± 0.04529
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

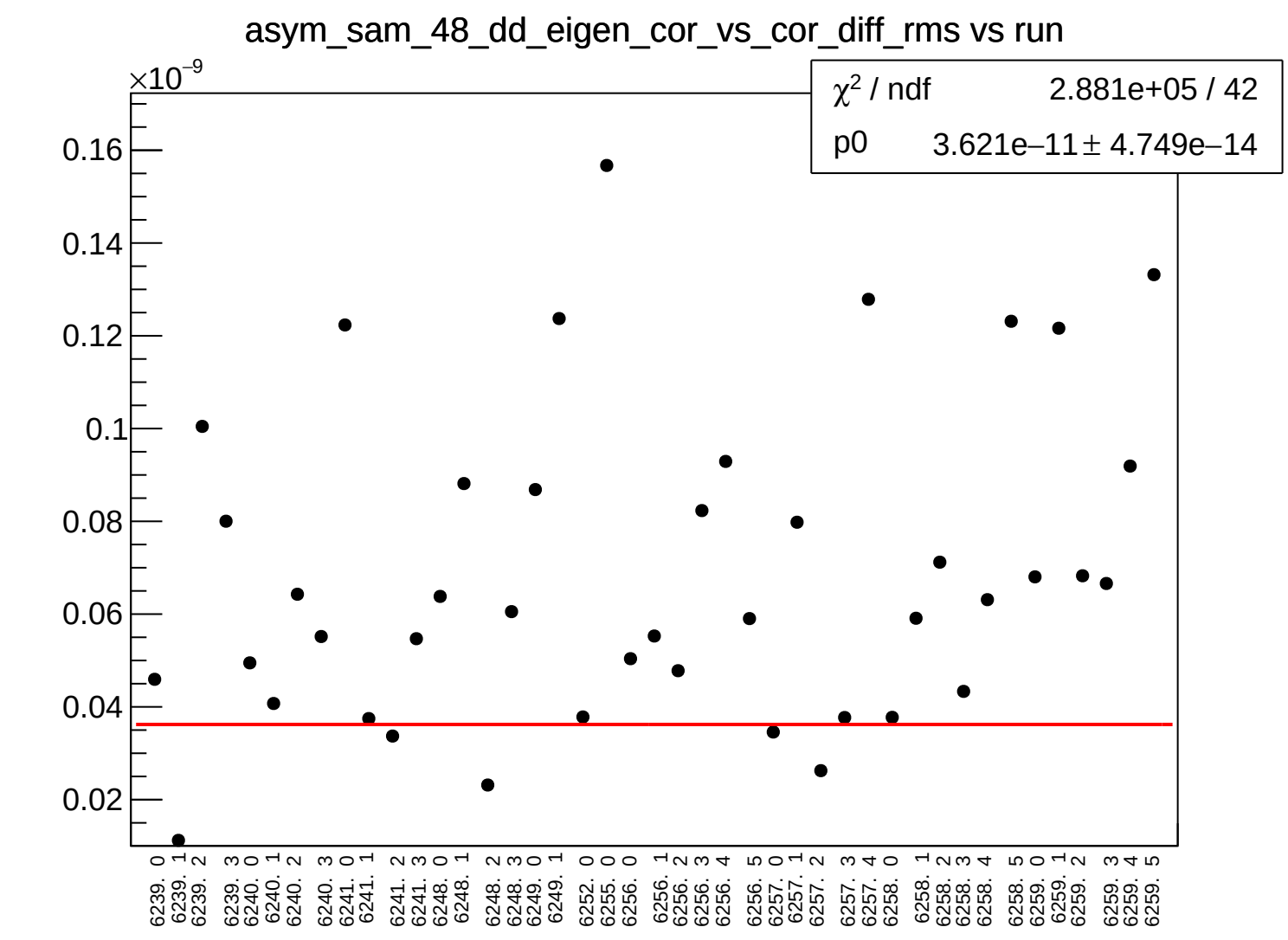

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.99 / 42
p0 0.06831 ± 0.06405
pull
Entries 43
Mean −54.94
Std Dev 0

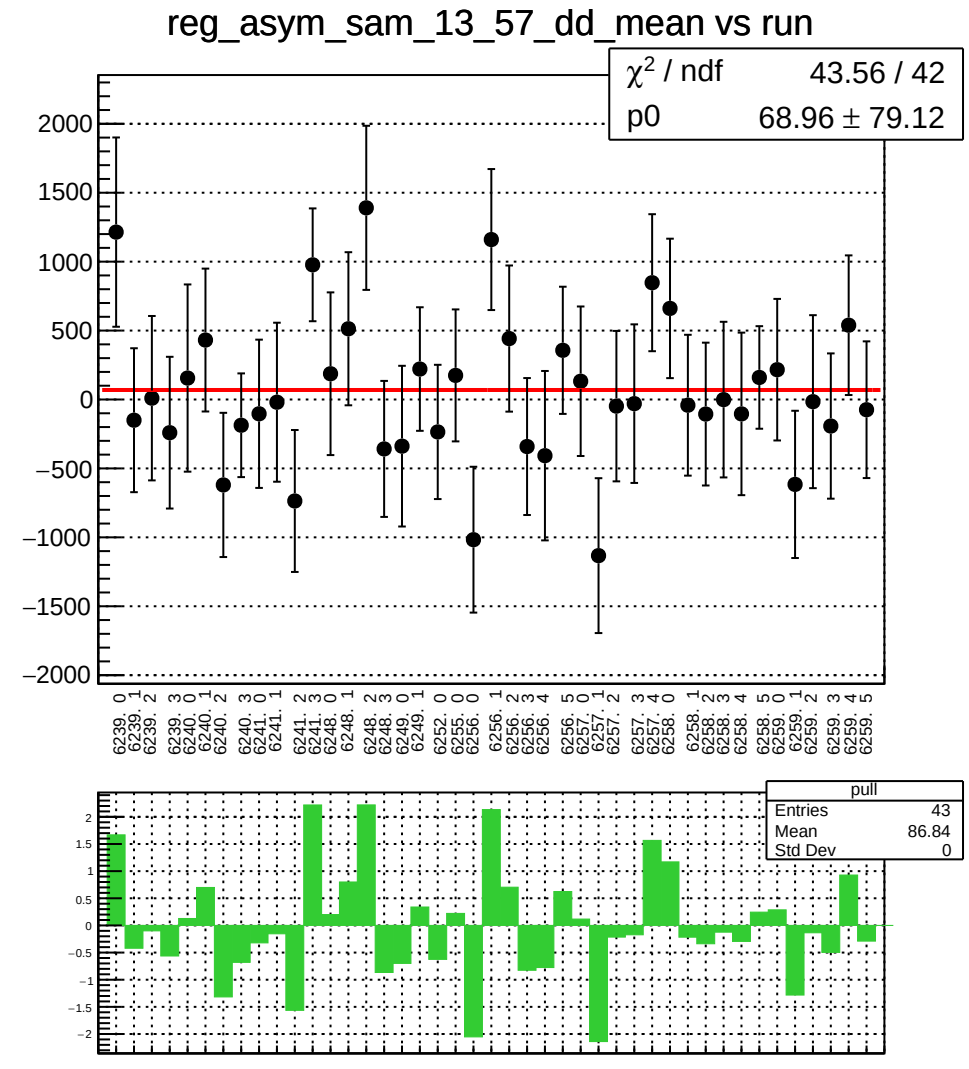

pull1D
Entries 43
Mean −0.01489
Std Dev 0.9273

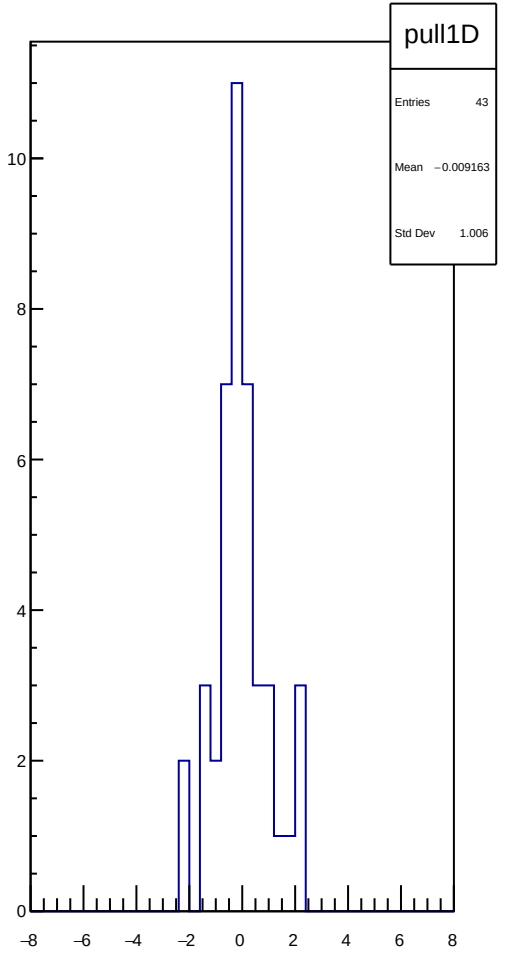

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.676e+05 / 42
p0 37.94 ± 0.04529
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

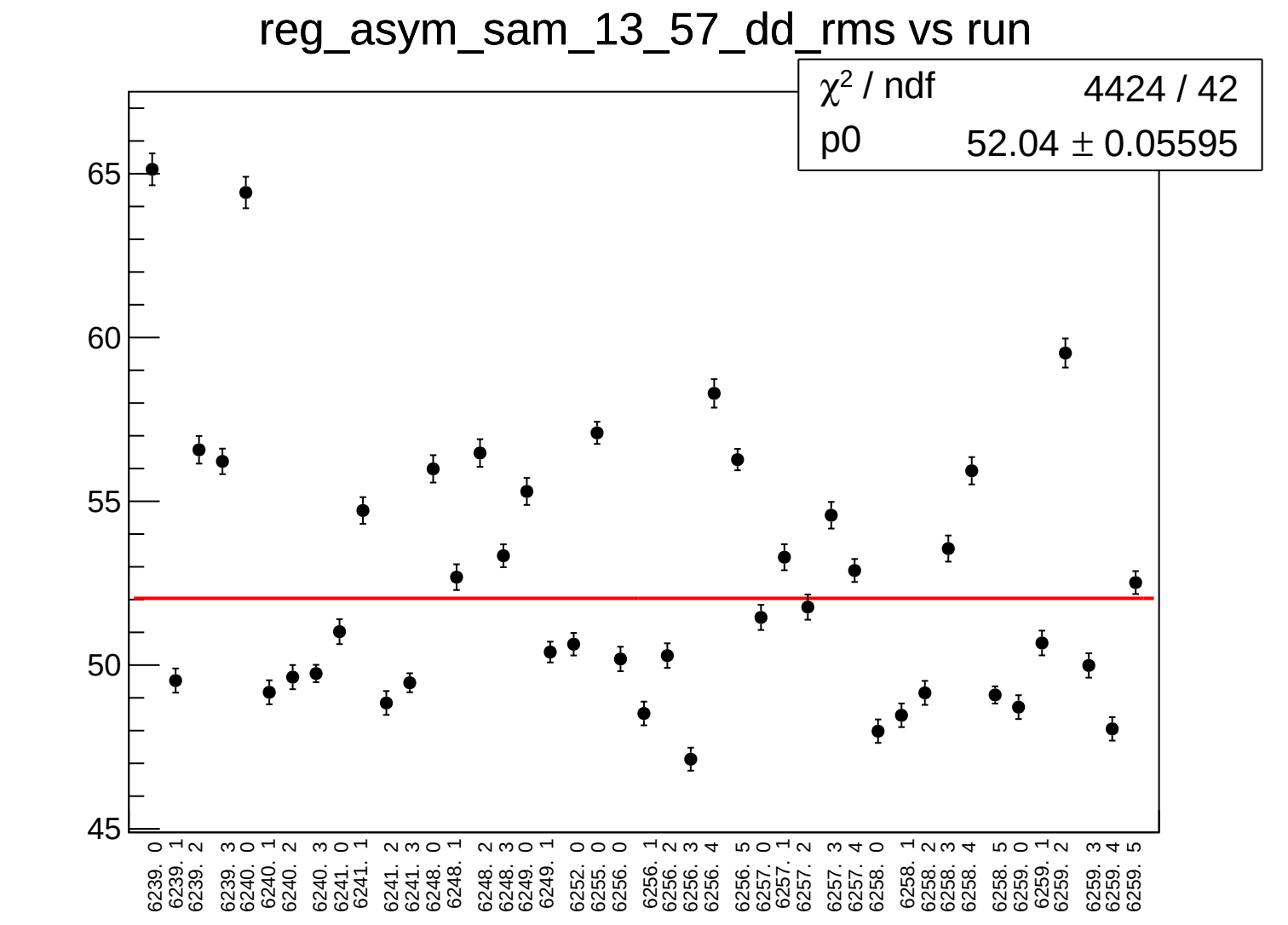

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.69 / 42
p0 7.97e−14 ± 6.716e−14
pull
Entries 43
Mean −89.19
Std Dev 0

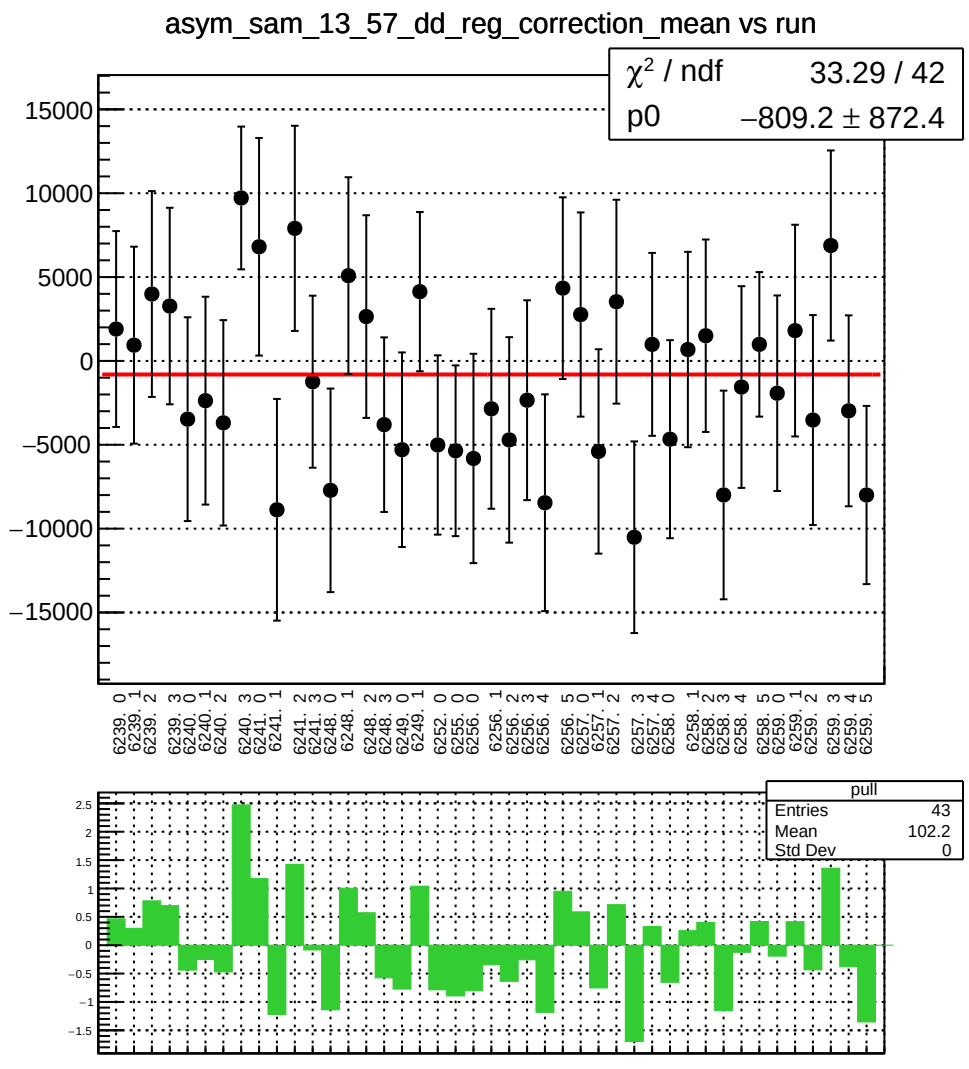

pull1D
Entries 43
Mean −0.01344
Std Dev 0.898

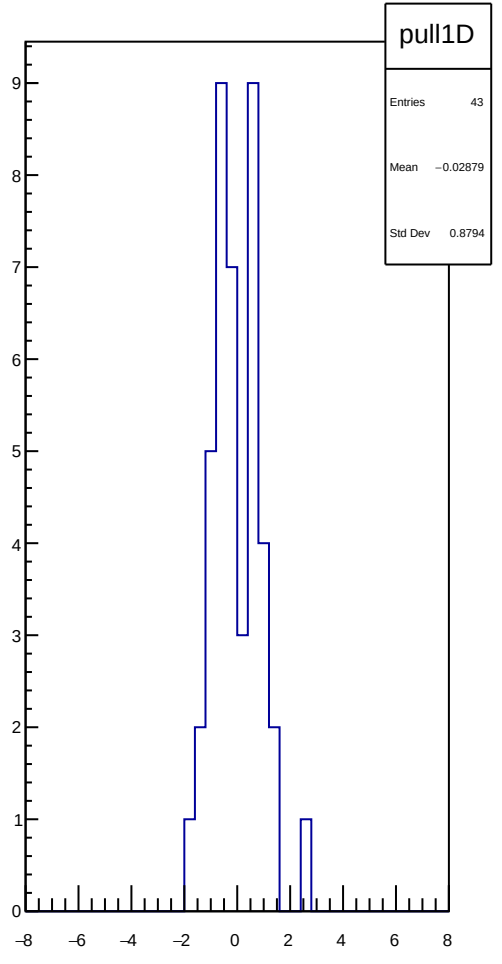

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.881e+05 / 42
p0 3.621e−11 ± 4.749e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

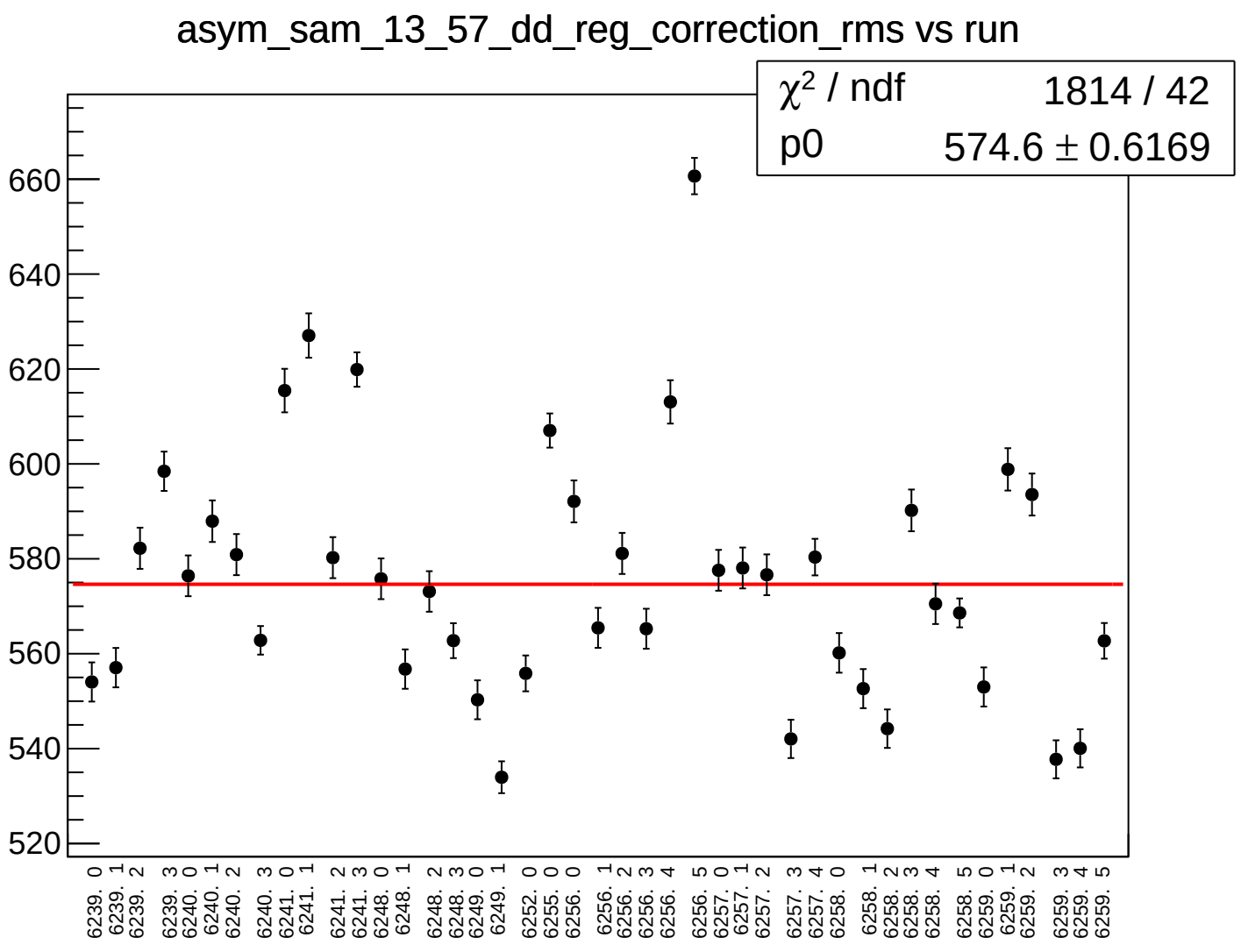

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 43.56 / 42
p0 68.96 ± 79.12
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

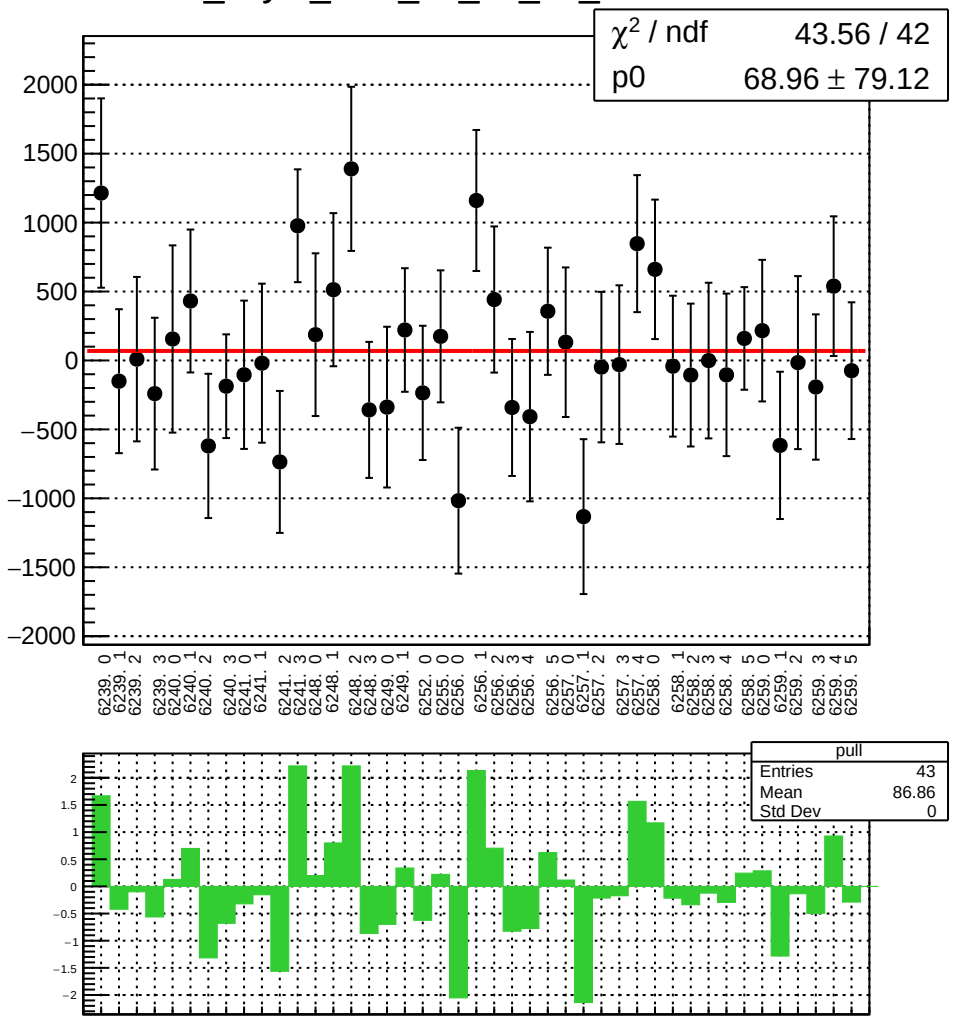

pull1D
Entries 43
Mean −0.009163
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

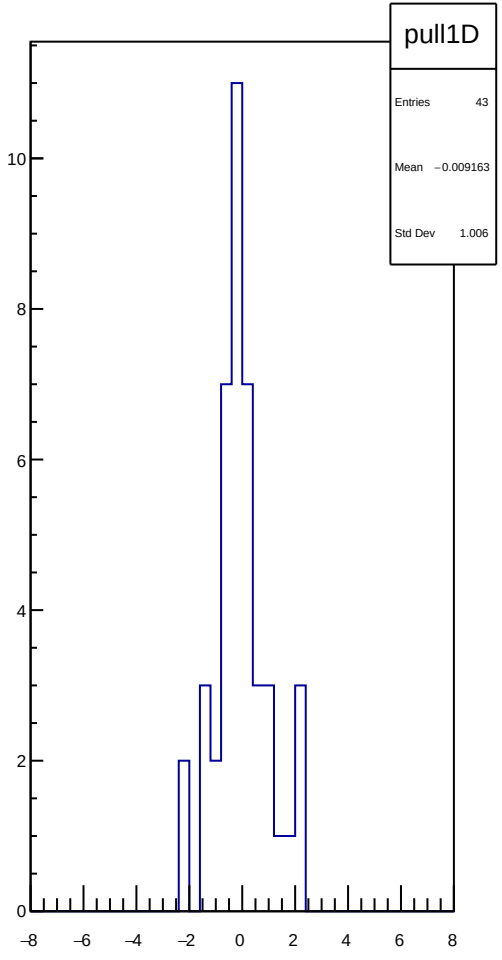

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 4424 / 42
p0 52.04 ± 0.05595
65
60
55
50
45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

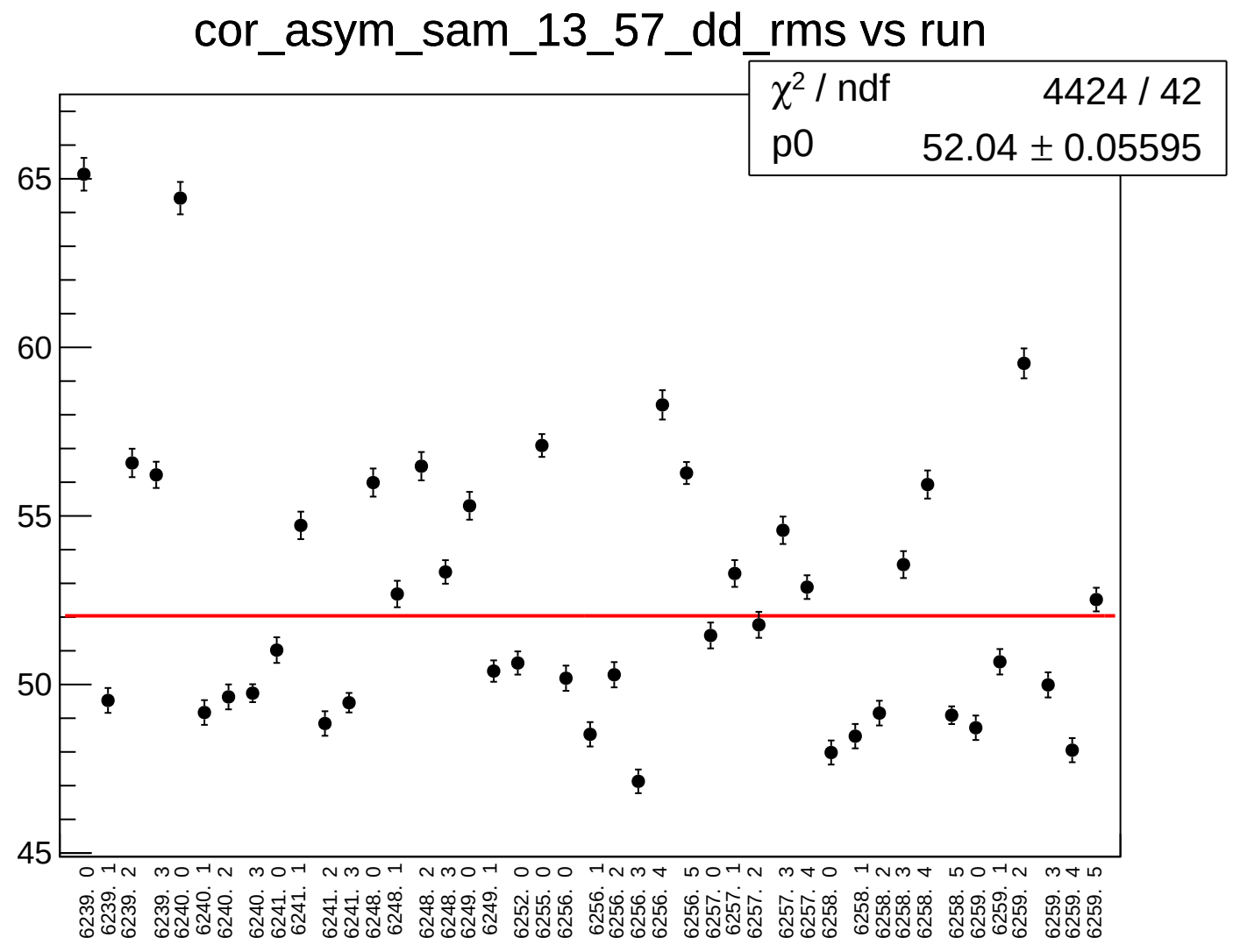

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 33.29 / 42
p0 −809.2 ± 872.4
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

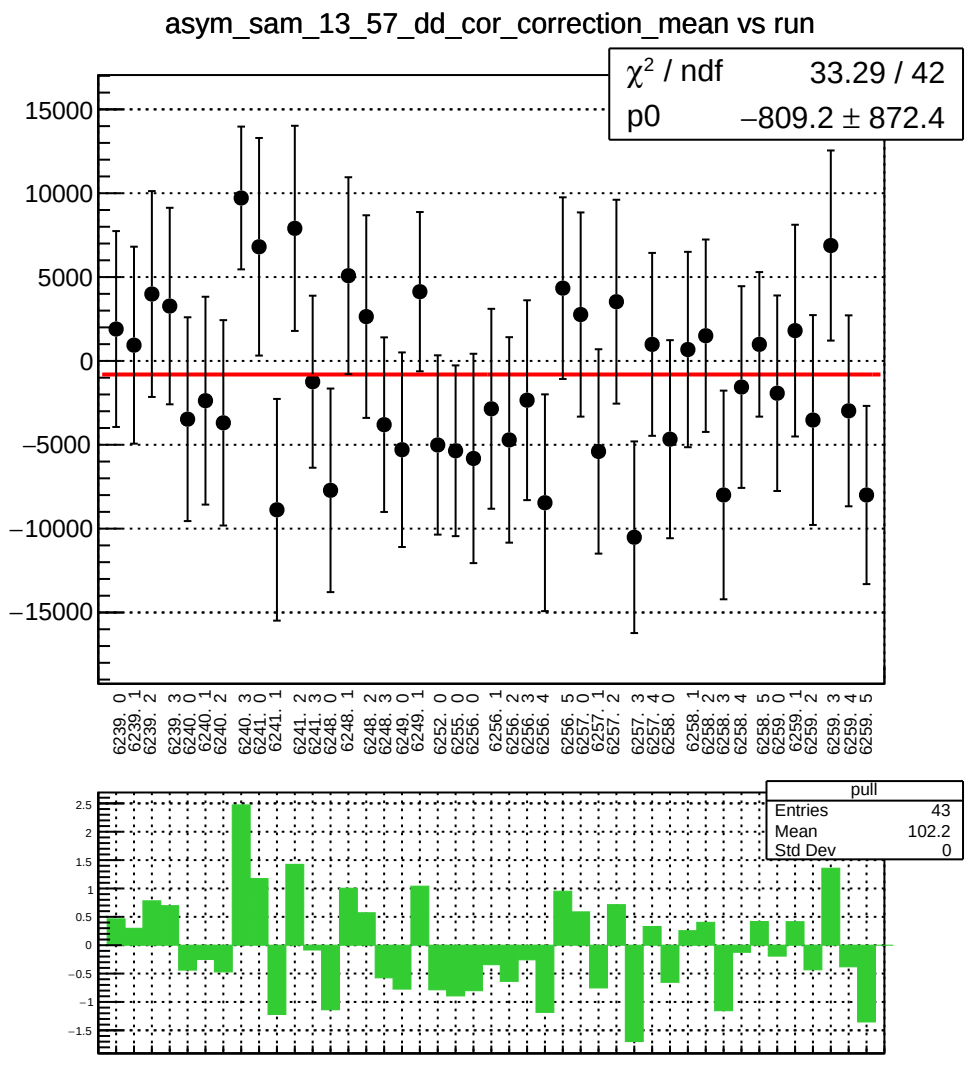

pull1D
Entries 43
Mean −0.02879
Std Dev 0.8794
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

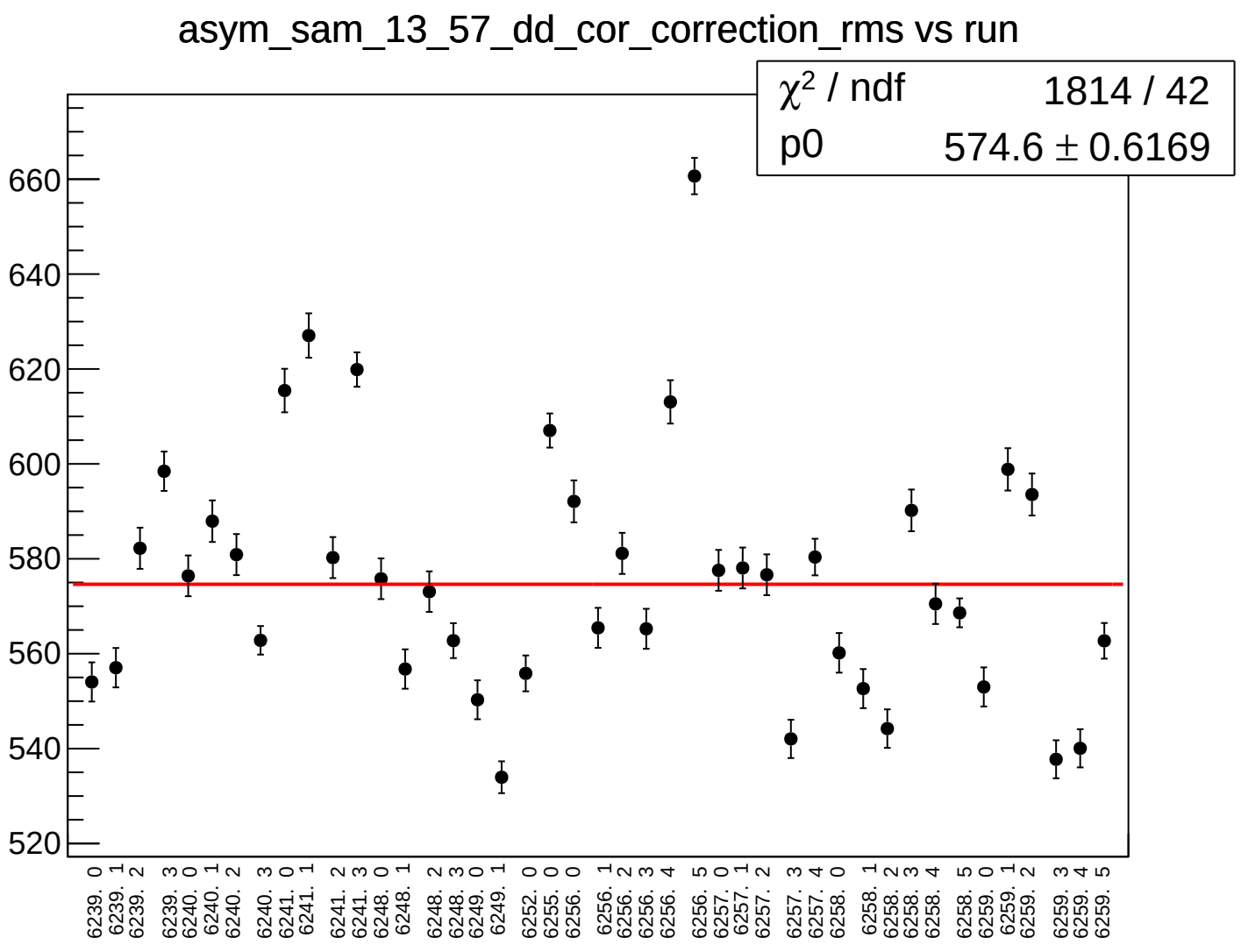

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 1814 / 42
p0 574.6 ± 0.6169
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

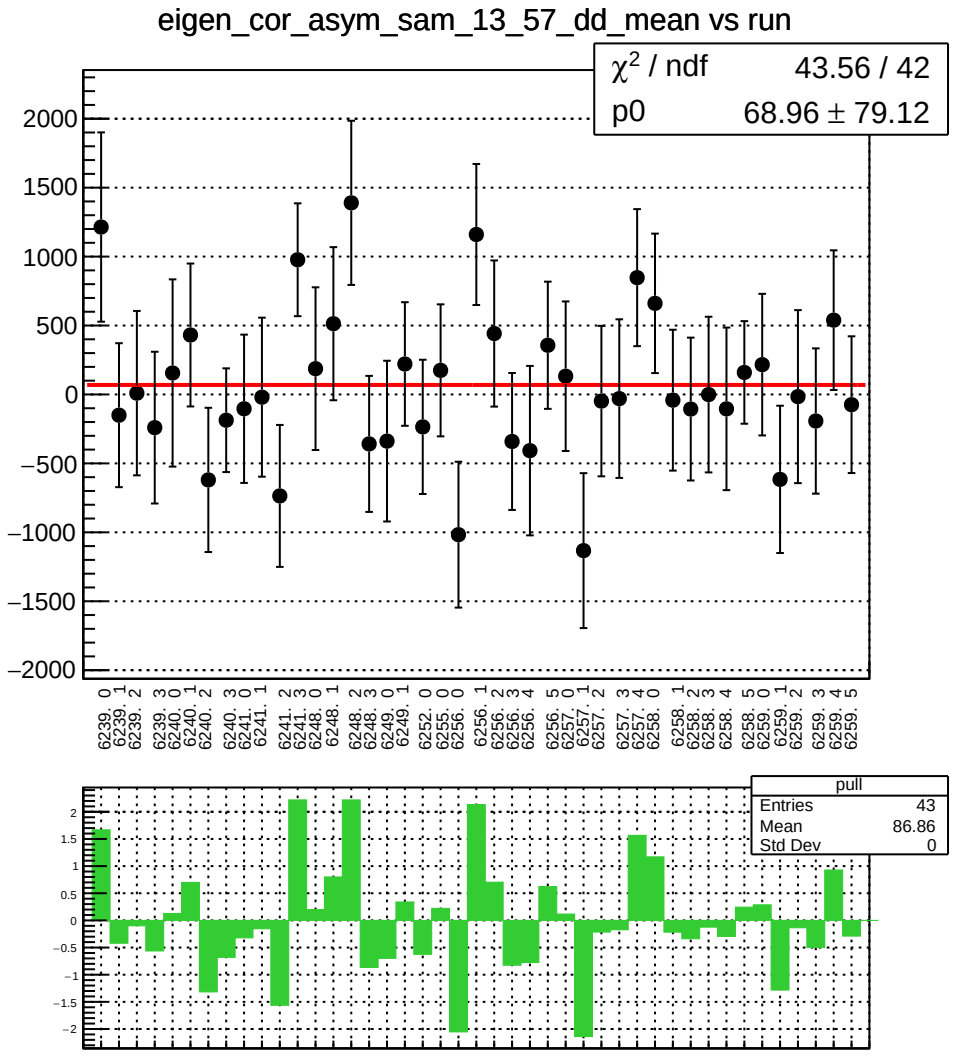

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 43.56 / 42
p0 68.96 ± 79.12
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

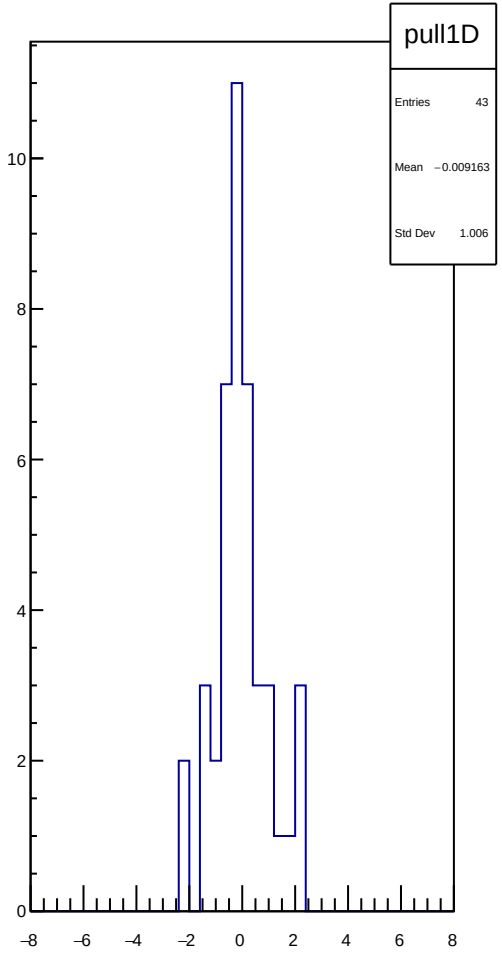

pull1D
Entries 43
Mean −0.009163
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

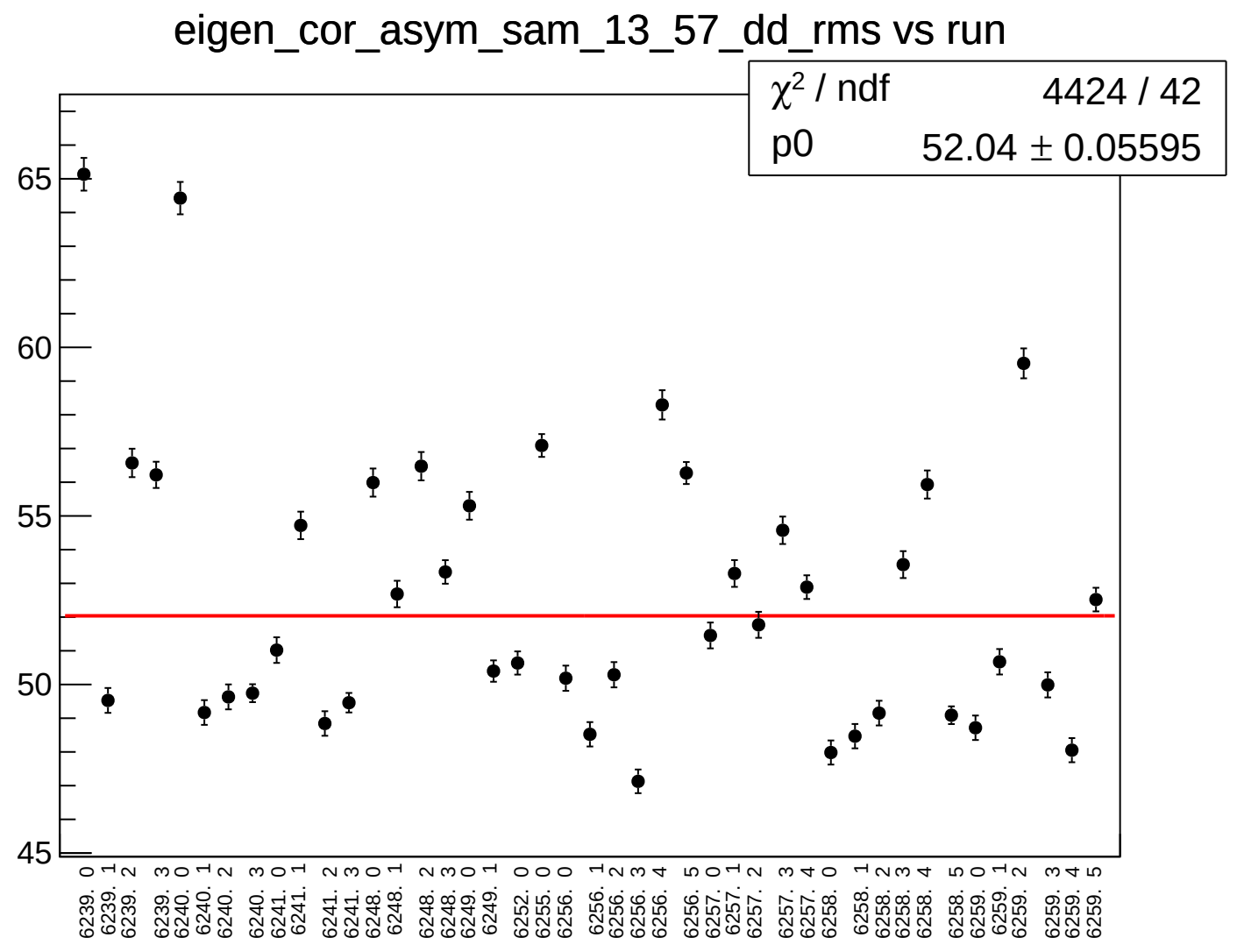

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 4424 / 42
p0 52.04 ± 0.05595
65
60
55
50
45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

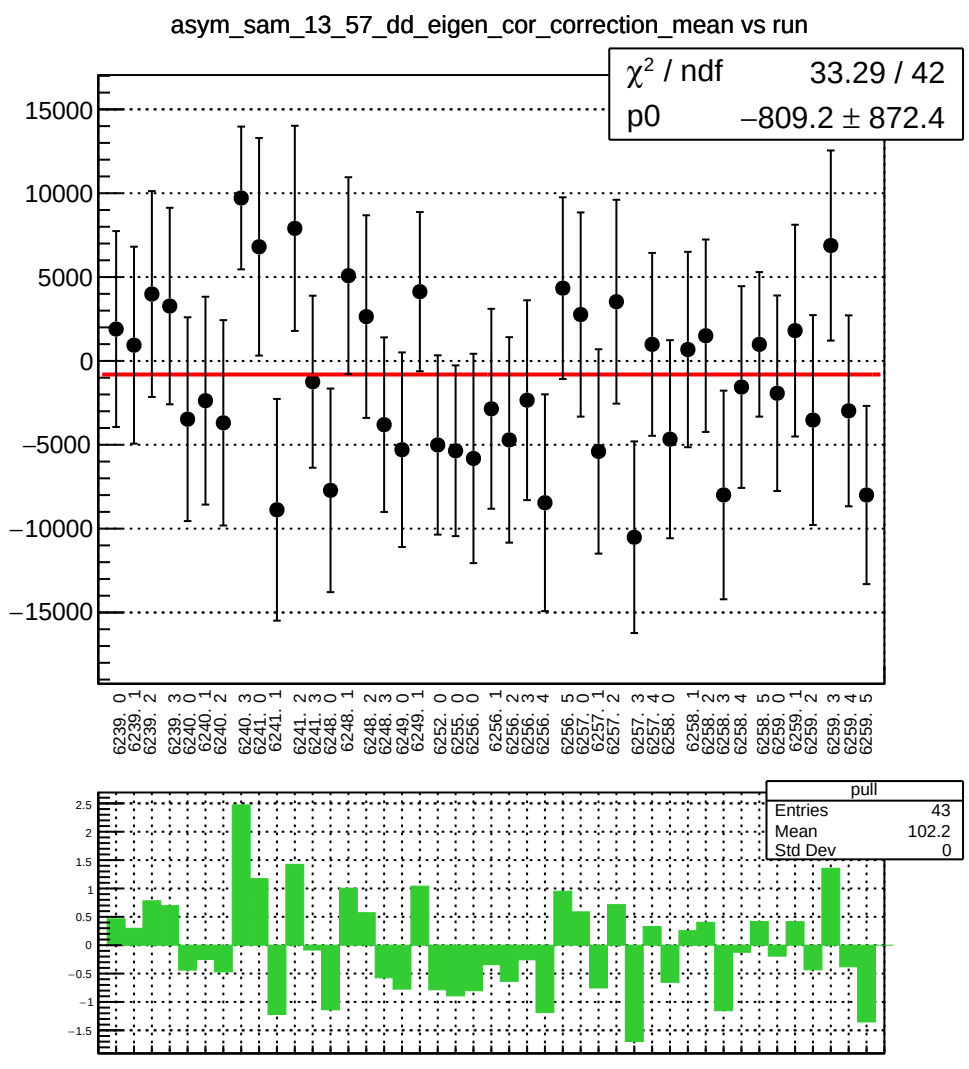

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 33.29 / 42
p0 −809.2 ± 872.4
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02879
Std Dev 0.8794
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

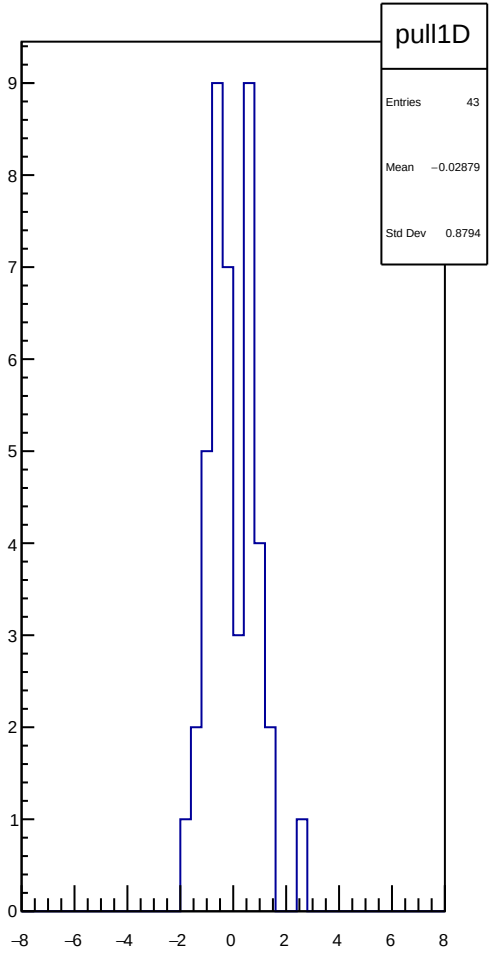

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 1814 / 42
p0 574.6 ± 0.6169
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

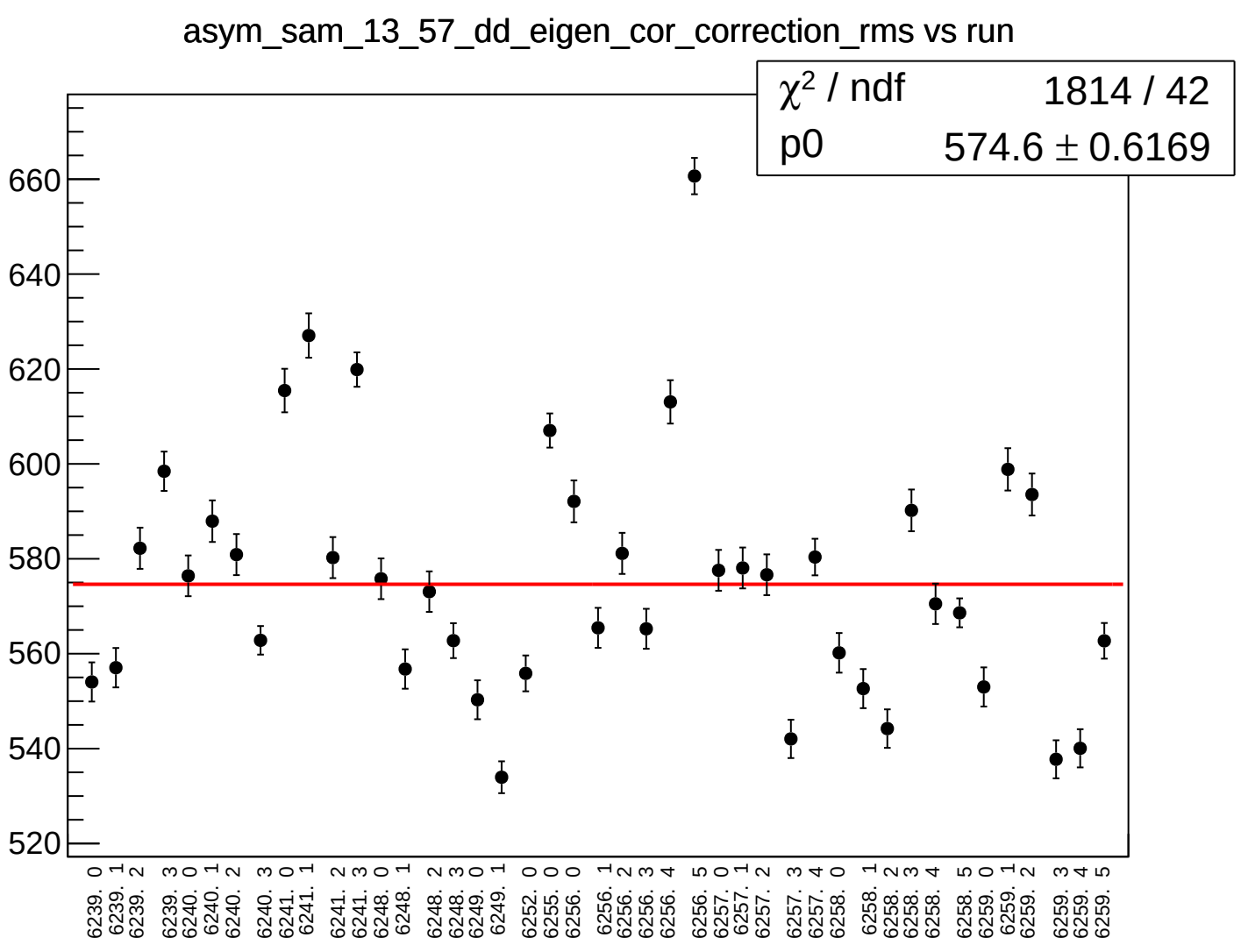

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 43.56 / 42
p0 68.96 ± 79.12
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

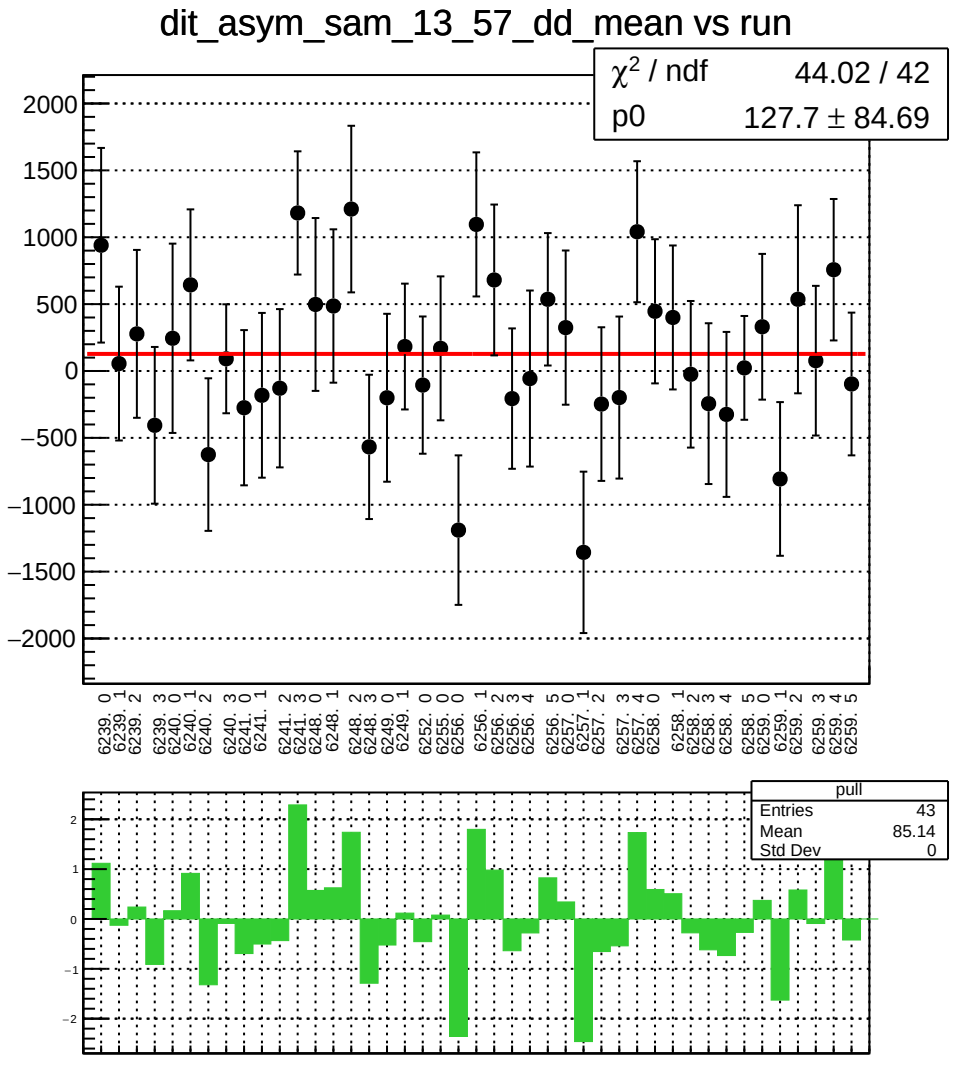

pull1D
Entries 43
Mean −0.009163
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

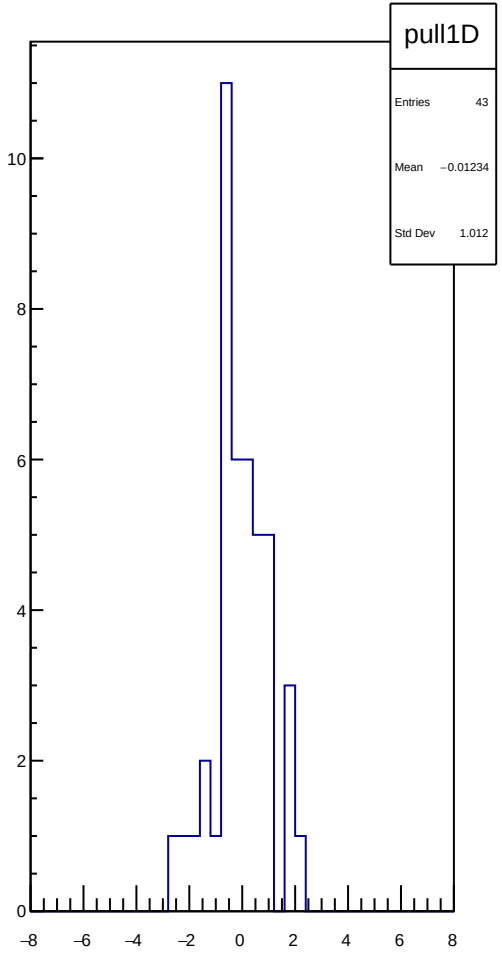

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 4424 / 42
p0 52.04 ± 0.05595
65
60
55
50
45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

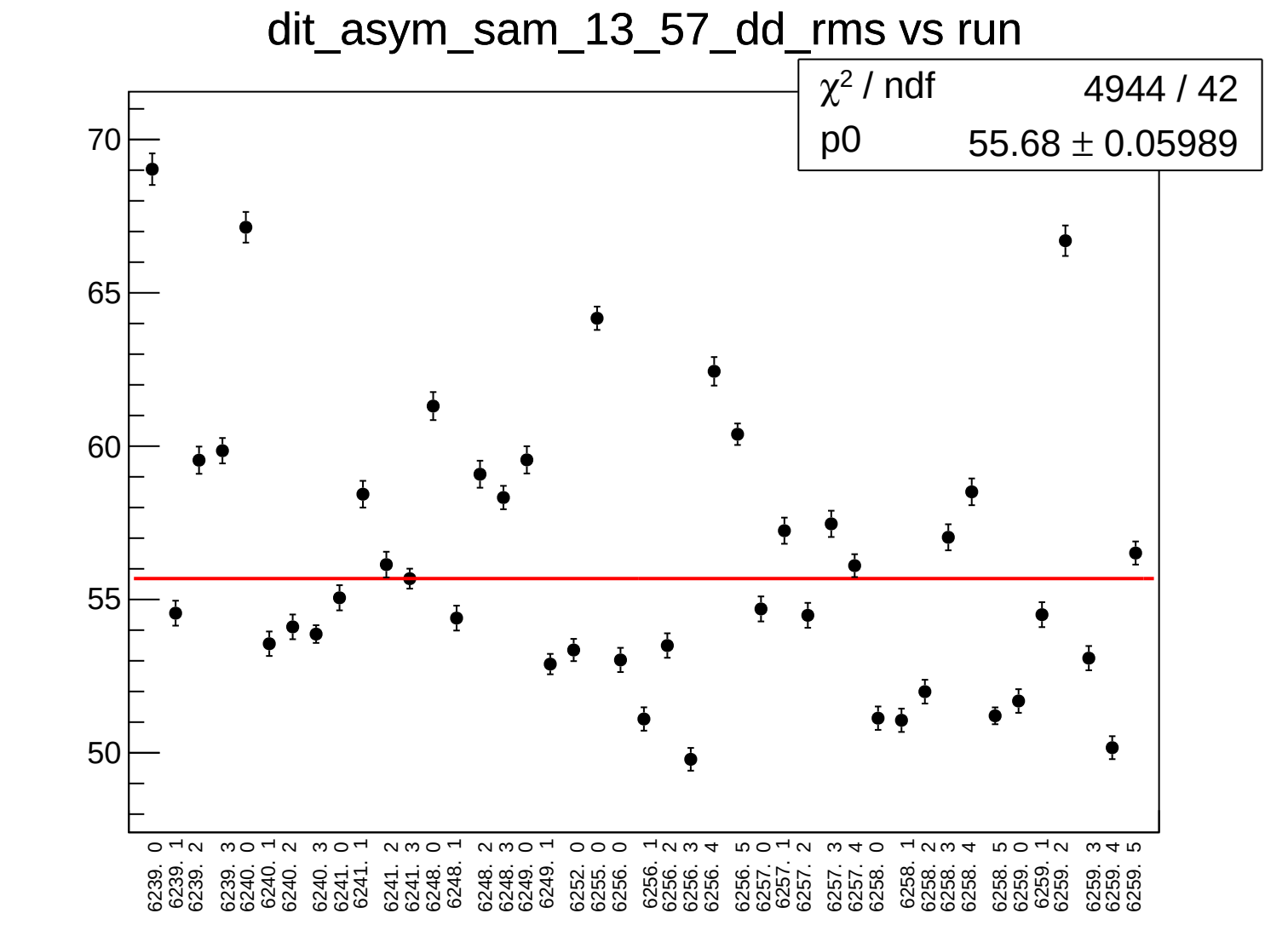

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 33.29 / 42
p0 −809.2 ± 872.4
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

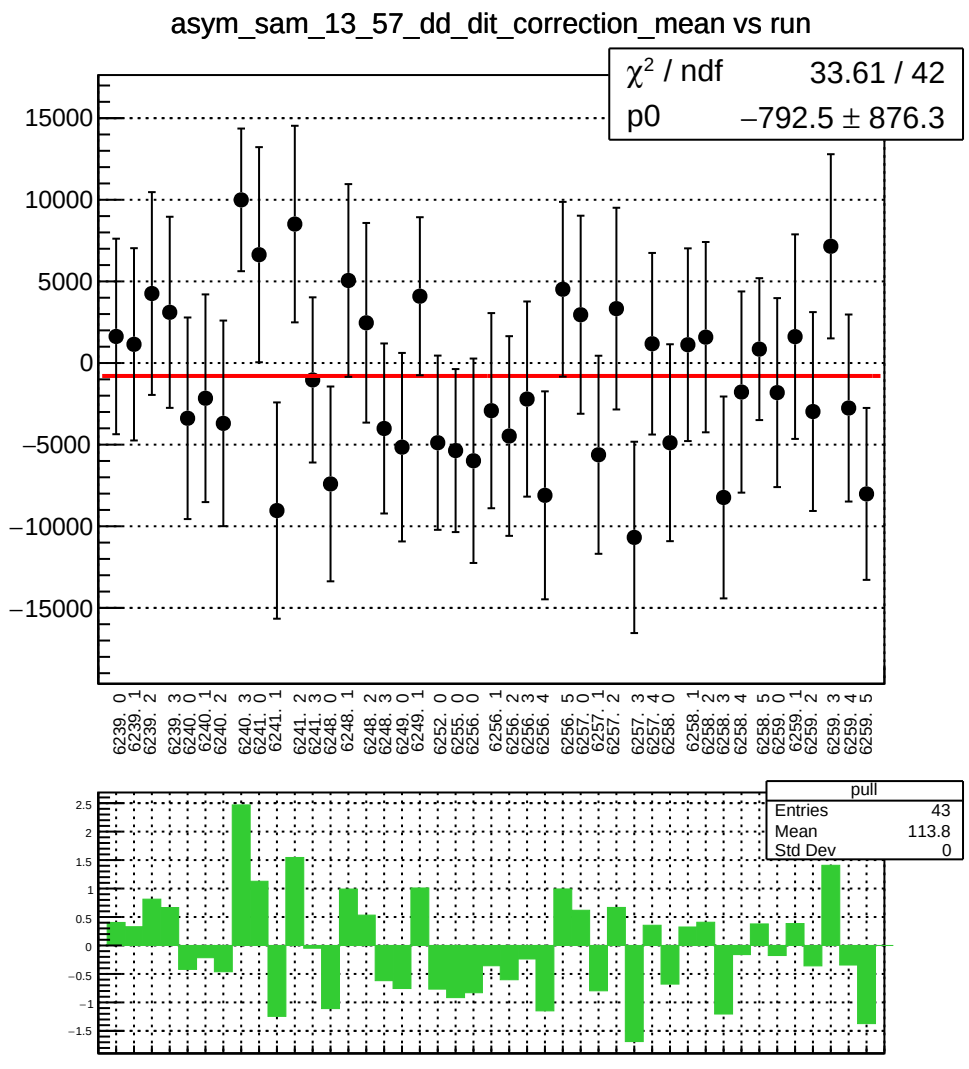

pull1D
Entries 43
Mean −0.02879
Std Dev 0.8794
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

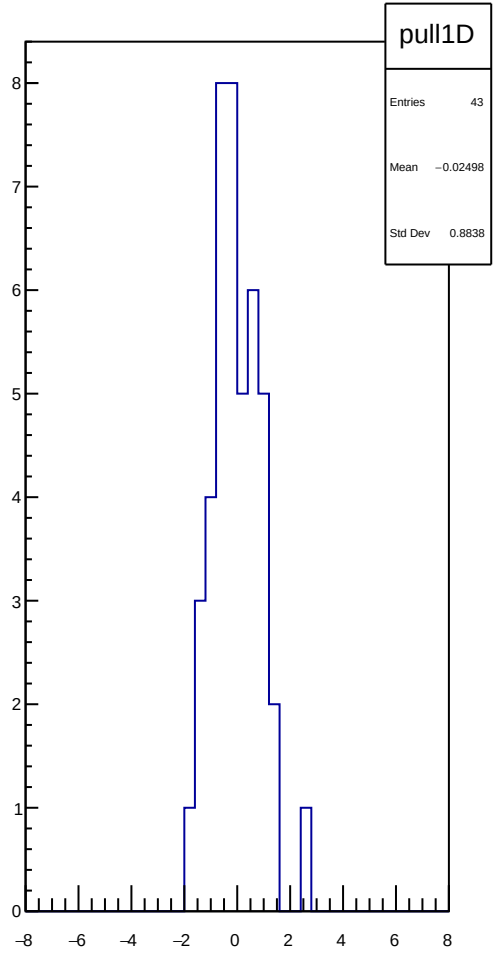

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 1814 / 42
p0 574.6 ± 0.6169
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

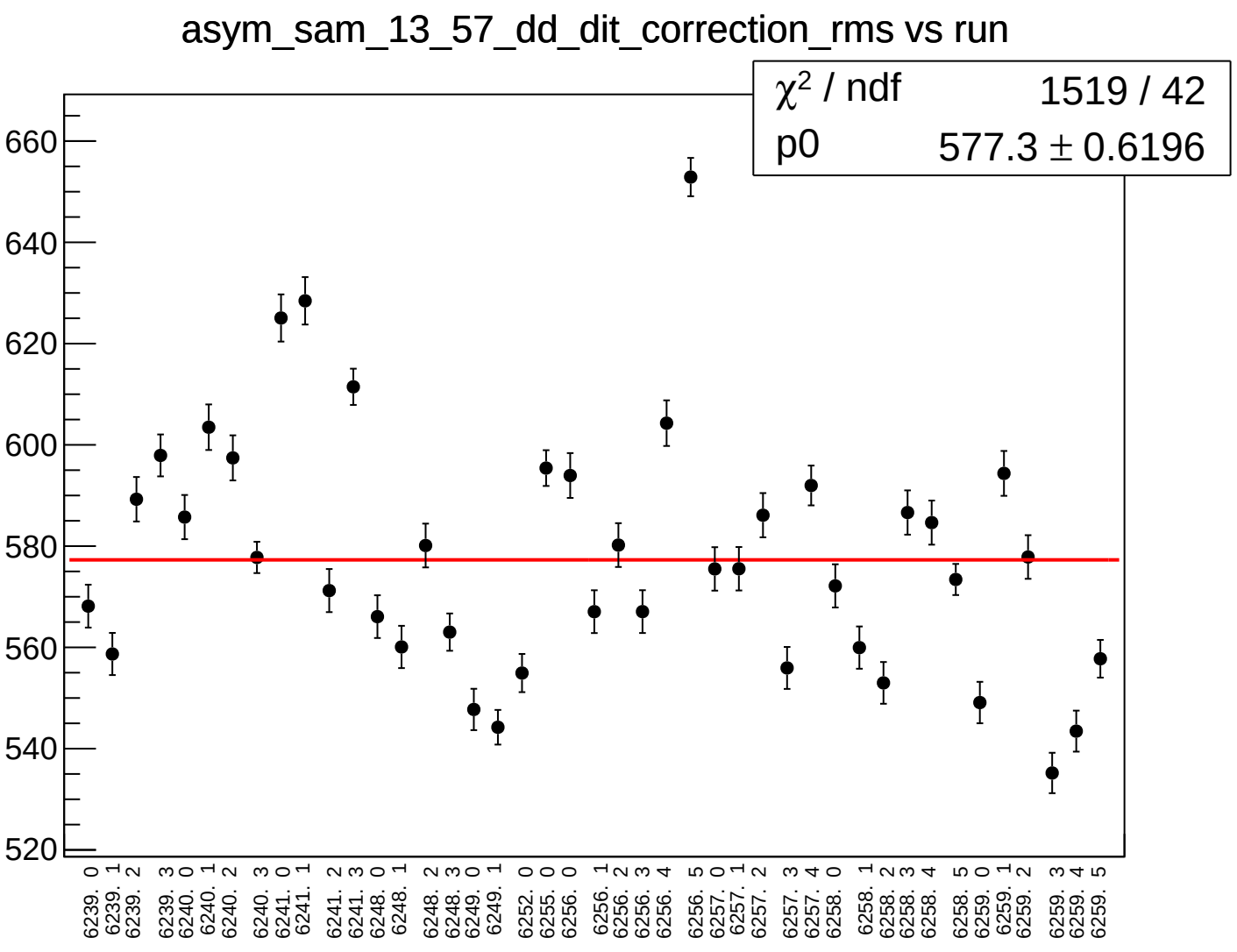

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 44.02 / 42
p0 127.7 ± 84.69
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.14
Std Dev 0
2
1
0
−1
−2

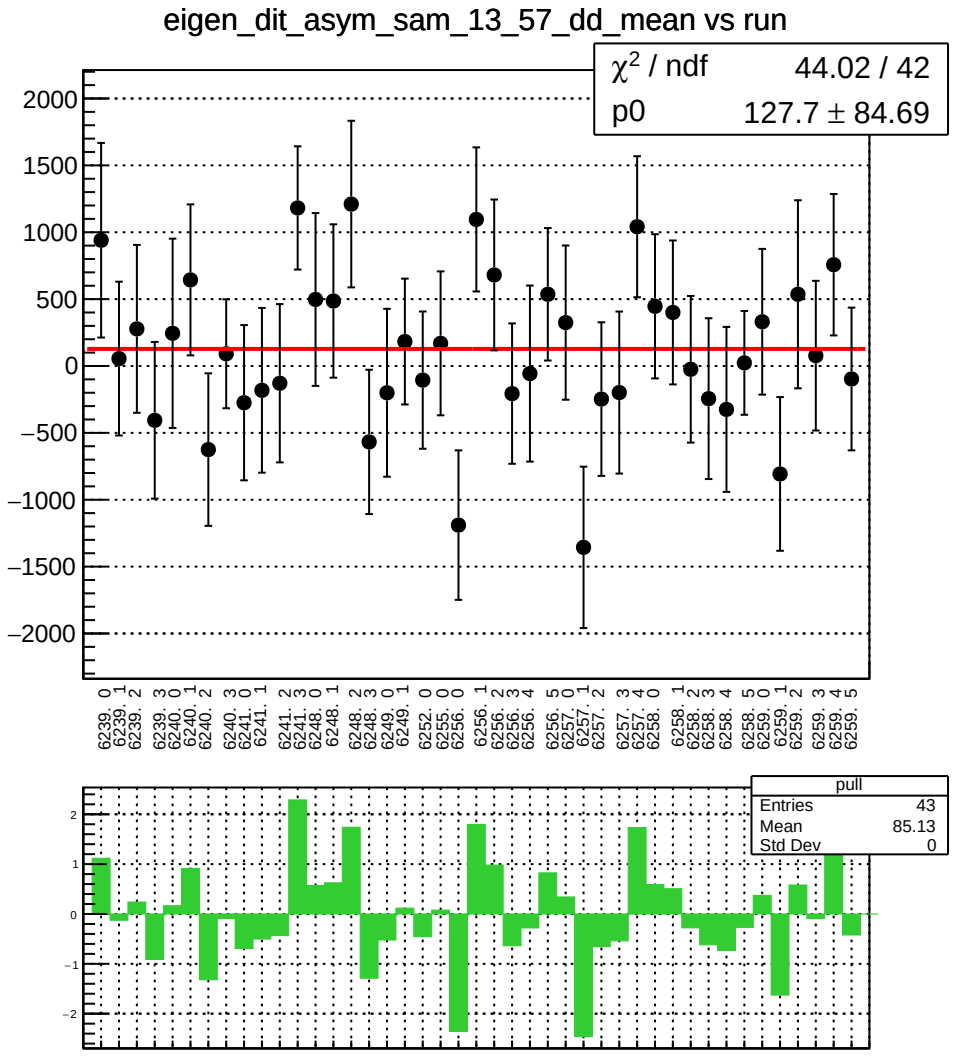

pull1D
Entries 43
Mean −0.01234
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

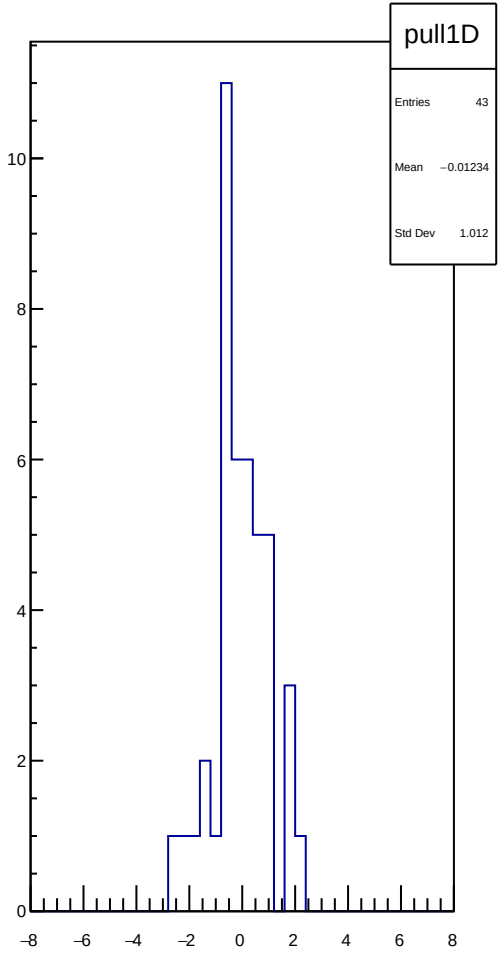

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4944 / 42
p0 55.68 ± 0.05989
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

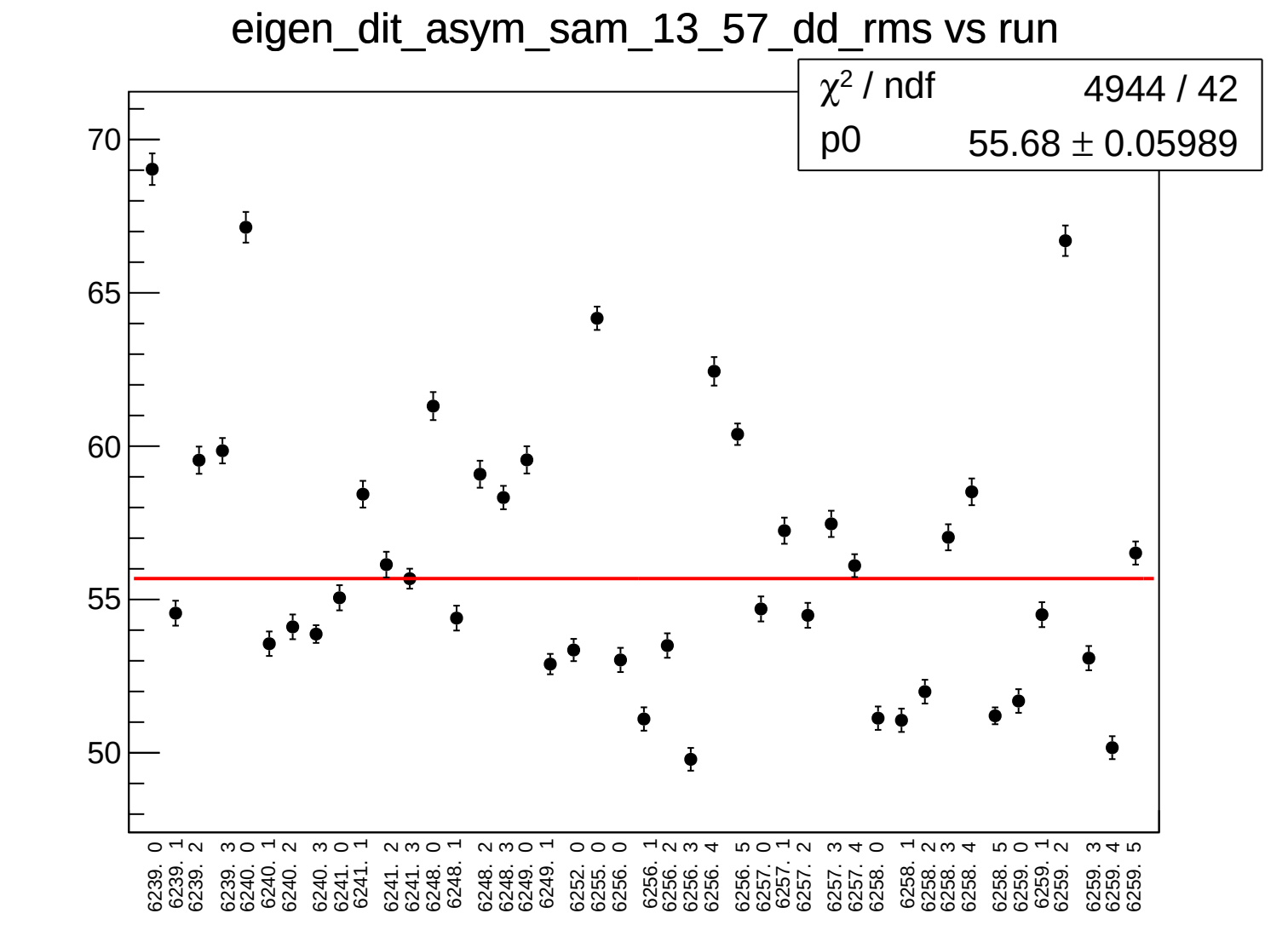

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 33.61 / 42
p0 −792.5 ± 876.3
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

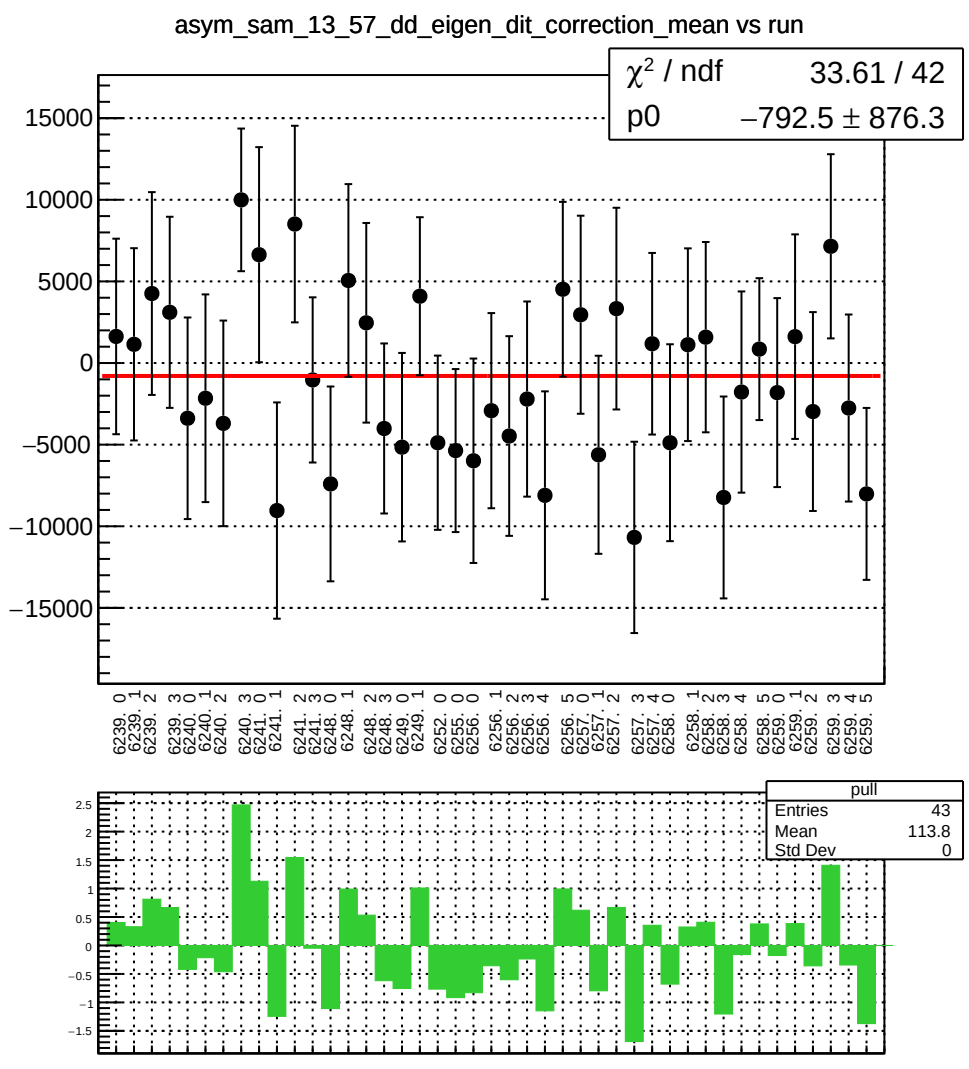

pull1D
Entries 43
Mean −0.02498
Std Dev 0.8838
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

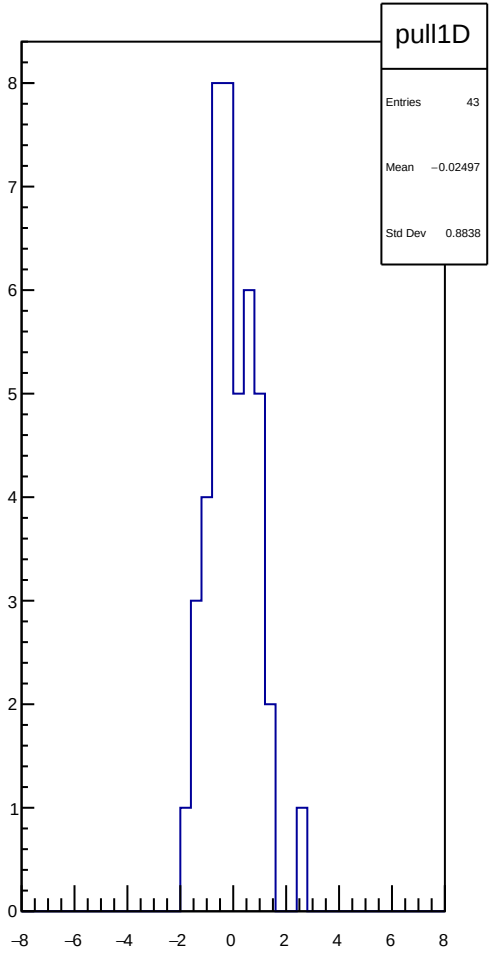

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 1519 / 42
p0 577.3 ± 0.6196
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

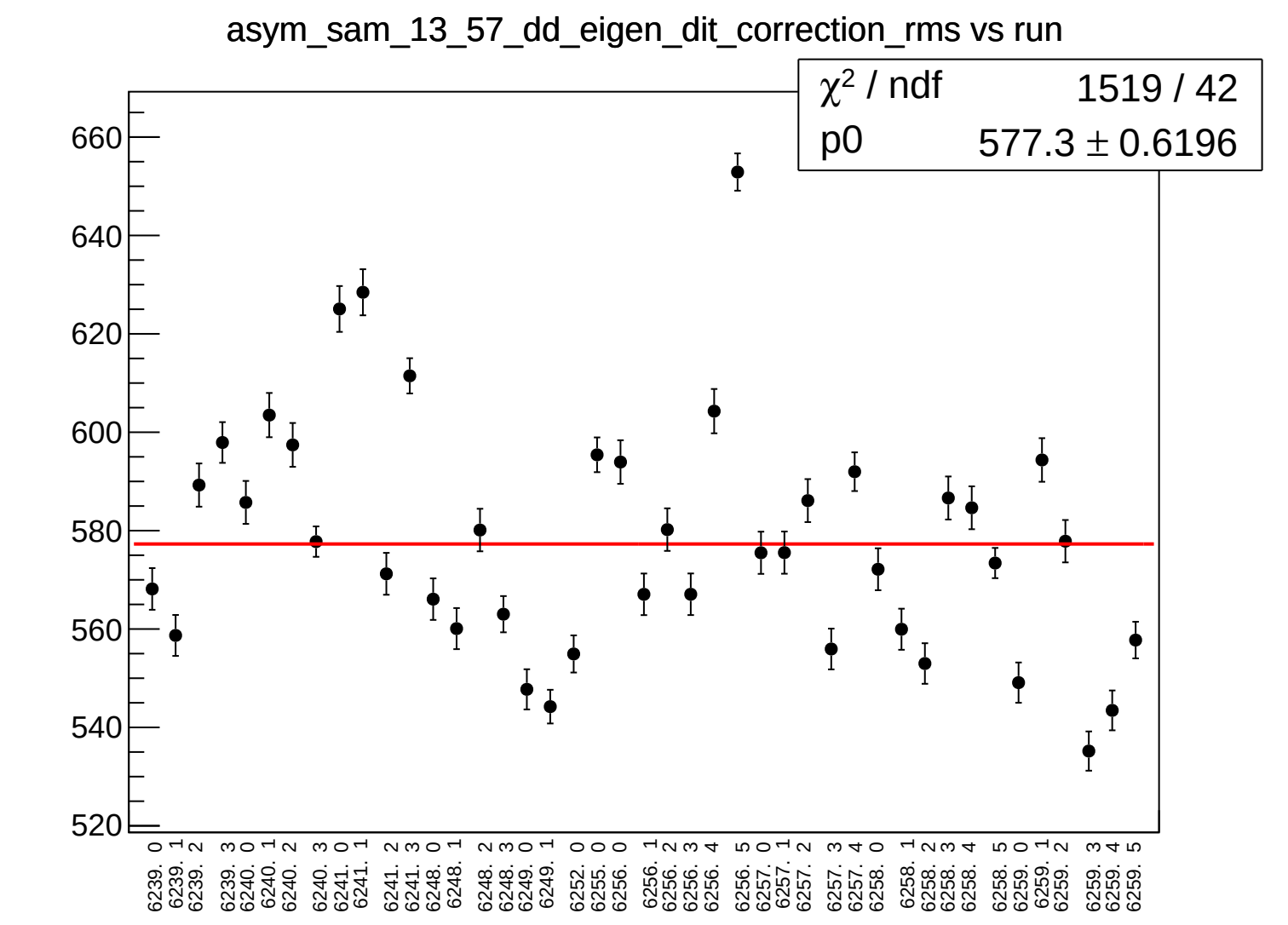

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 44.02 / 42
p0 127.7 ± 84.69
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.13
Std Dev 0
2
1
0
−1
−2

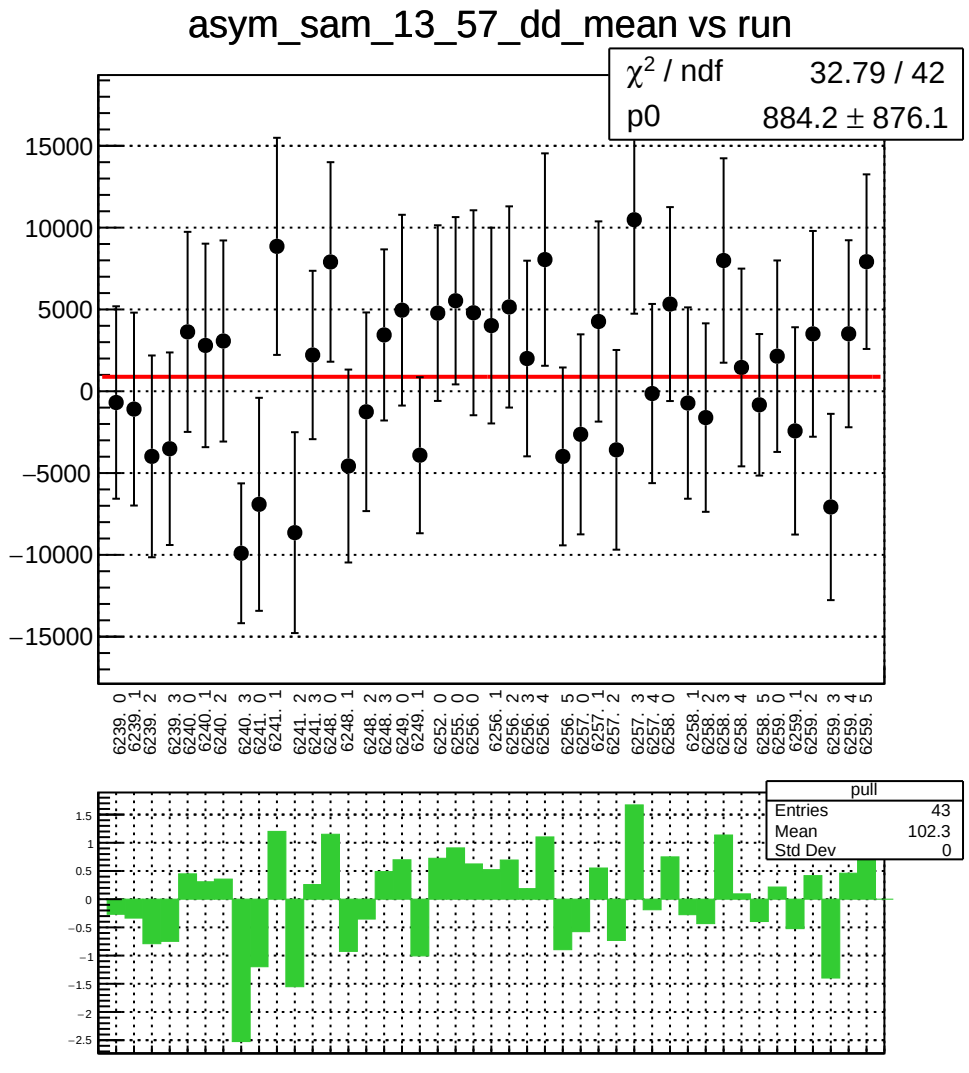

pull1D
Entries 43
Mean −0.01234
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

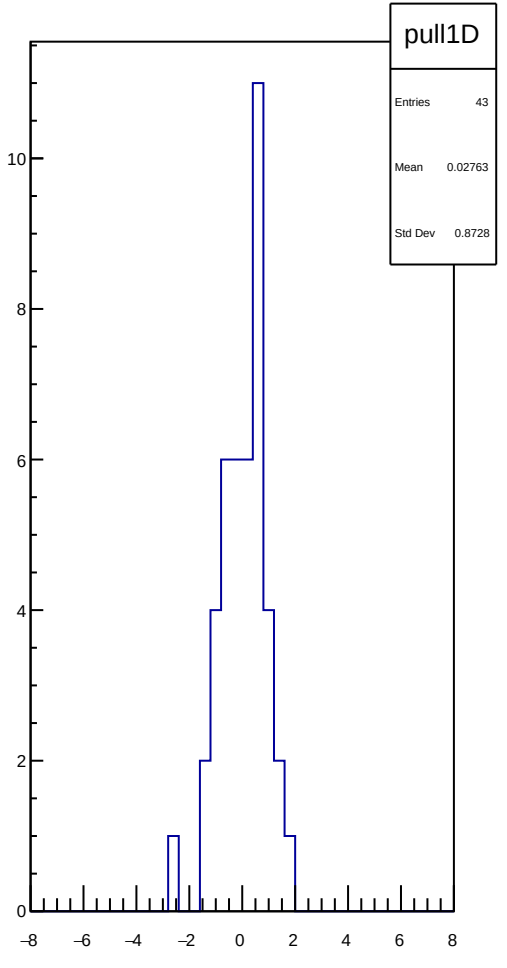

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4944 / 42
p0 55.68 ± 0.05989
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

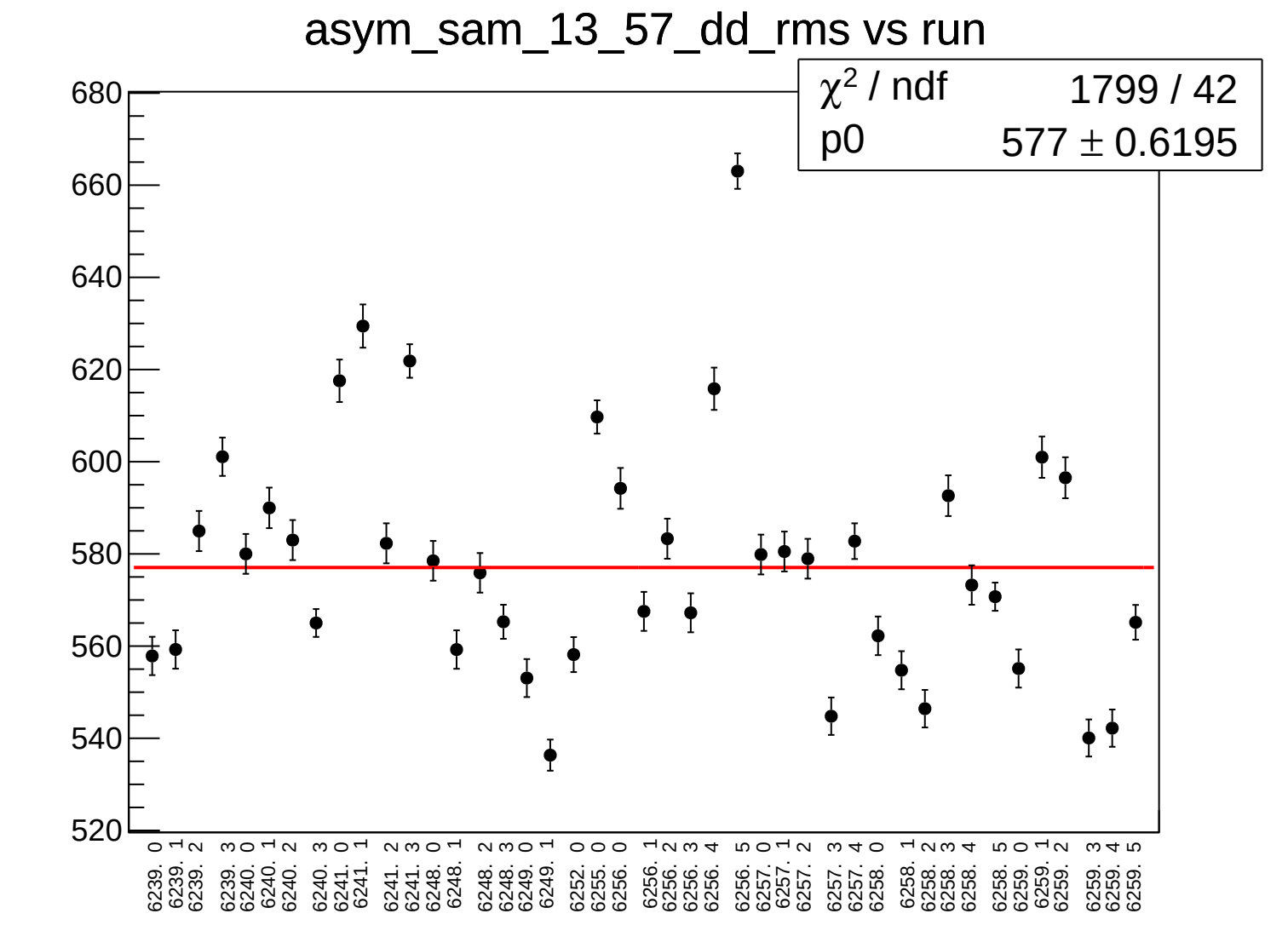

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.61 / 42
p0 −792.5 ± 876.3
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

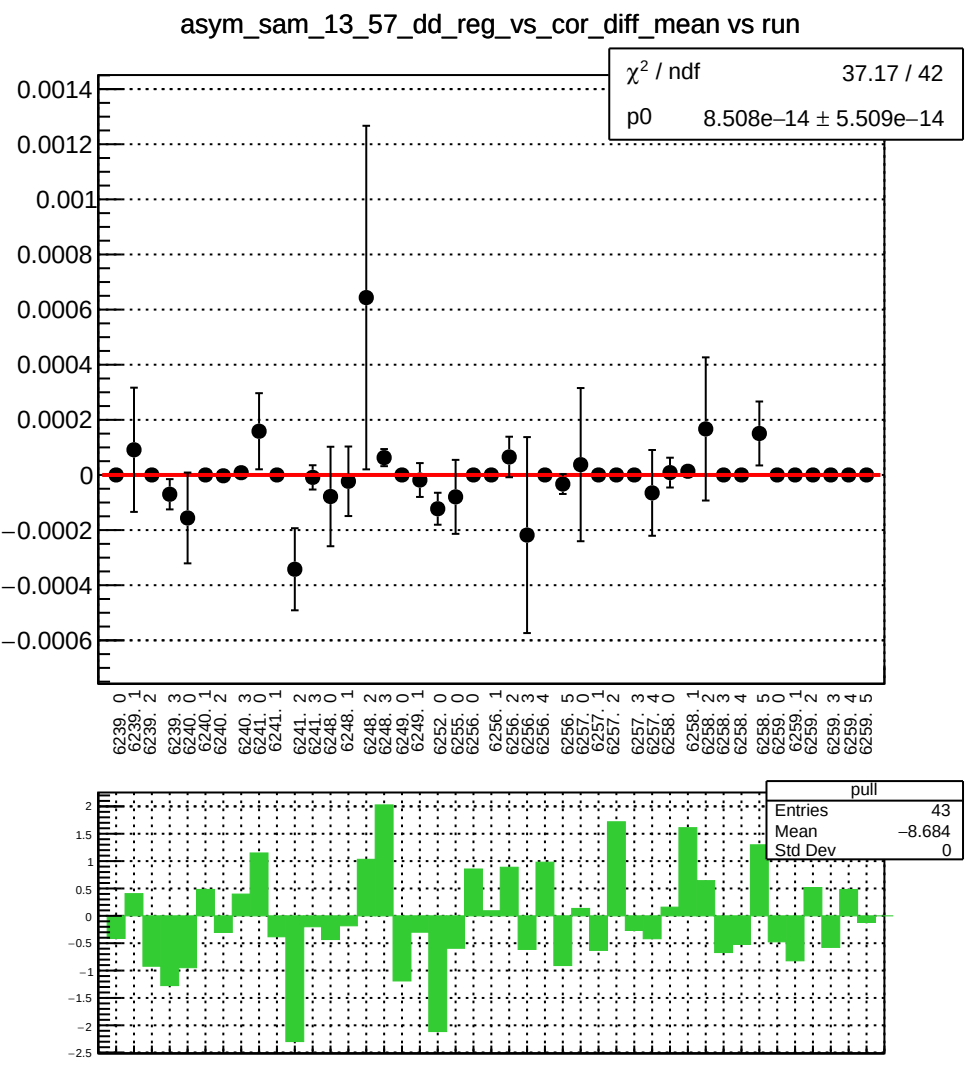

pull1D
Entries 43
Mean −0.02497
Std Dev 0.8838
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

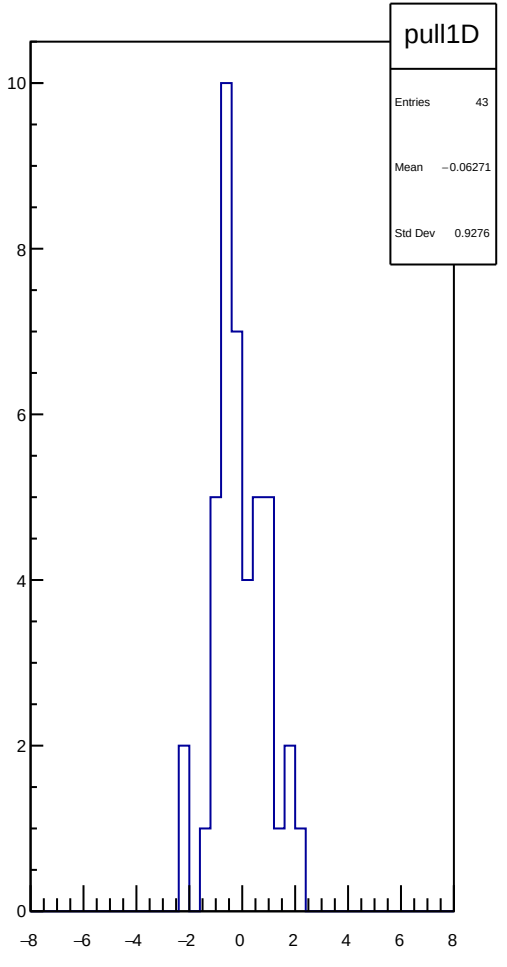

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 1519 / 42
p0 577.3 ± 0.6196
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

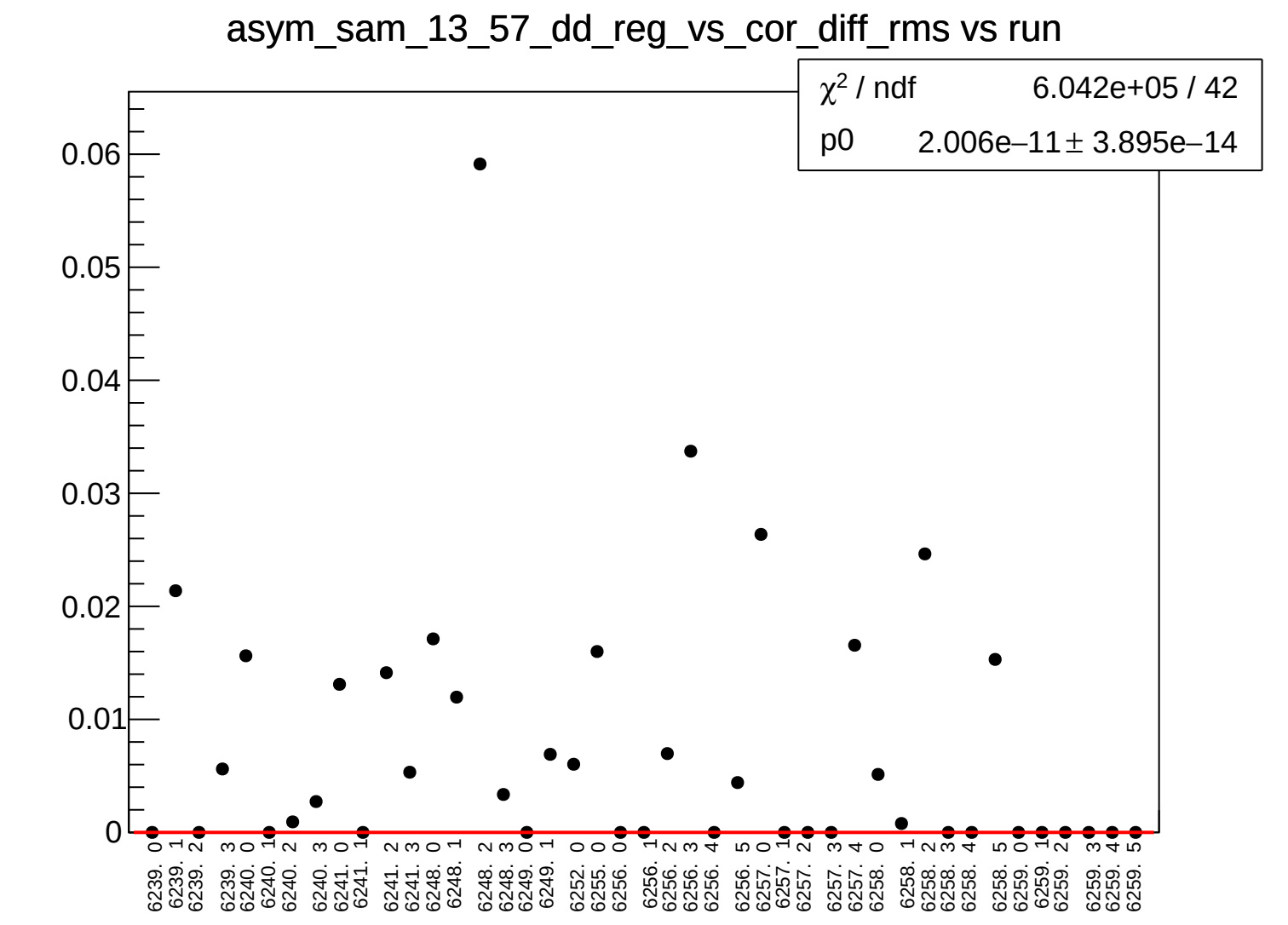

asym_sam_13_57_dd_mean vs run
χ² / ndf 32.79 / 42
p0 884.2 ± 876.1
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 102.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

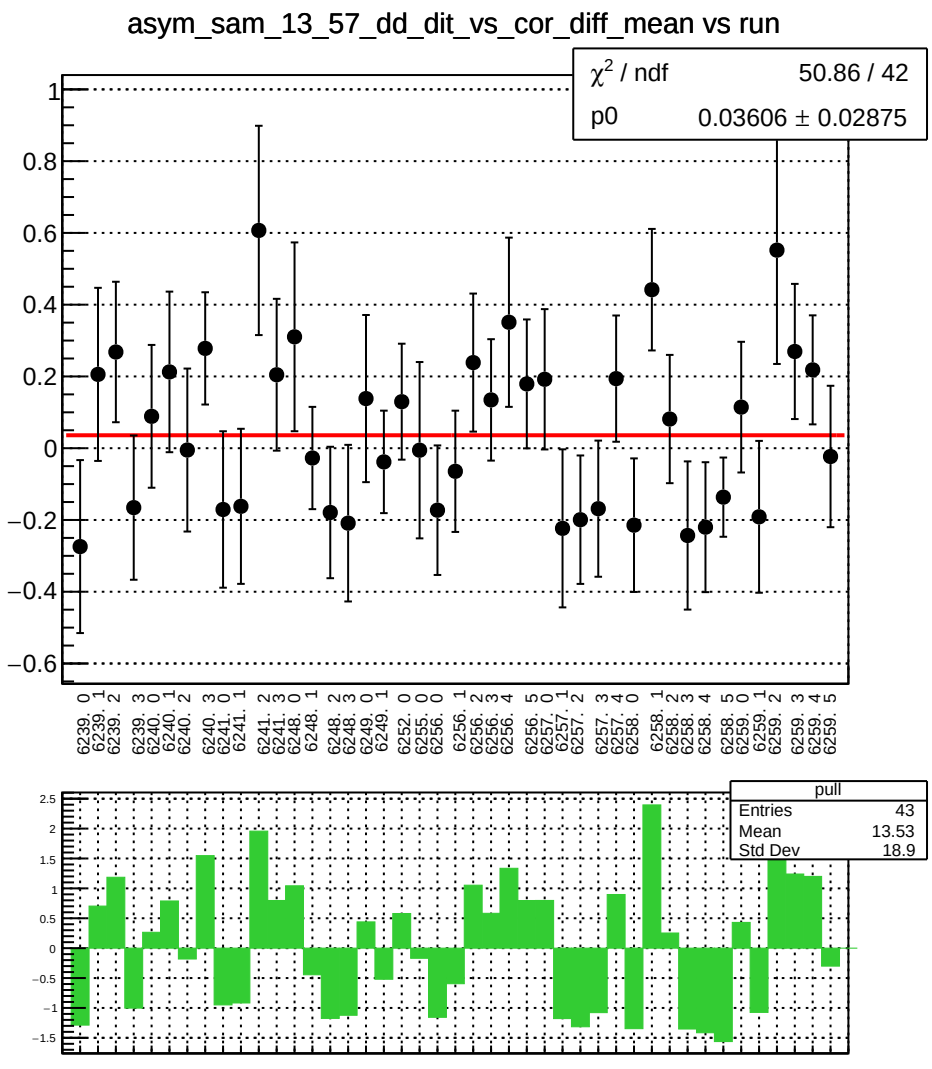

pull1D
Entries 43
Mean 0.02763
Std Dev 0.8728
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

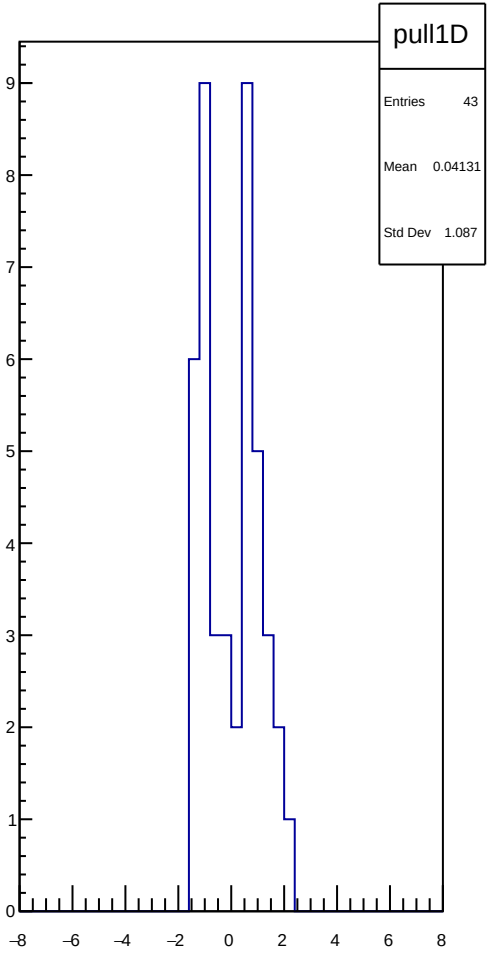

asym_sam_13_57_dd_rms vs run
χ² / ndf 1799 / 42
p0 577 ± 0.6195
680
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

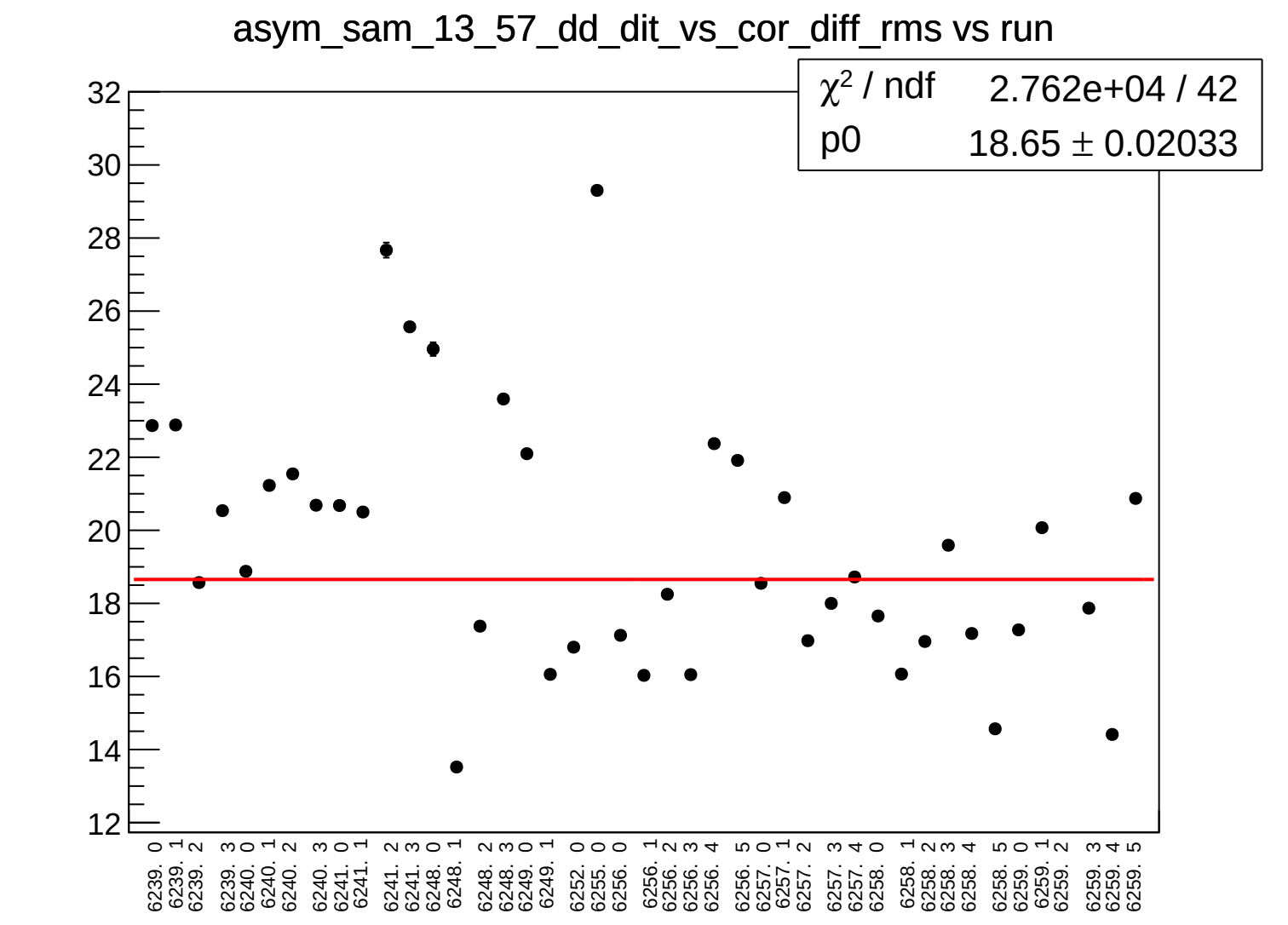

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.17 / 42
p0 8.508e−14 ± 5.509e−14
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.684
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

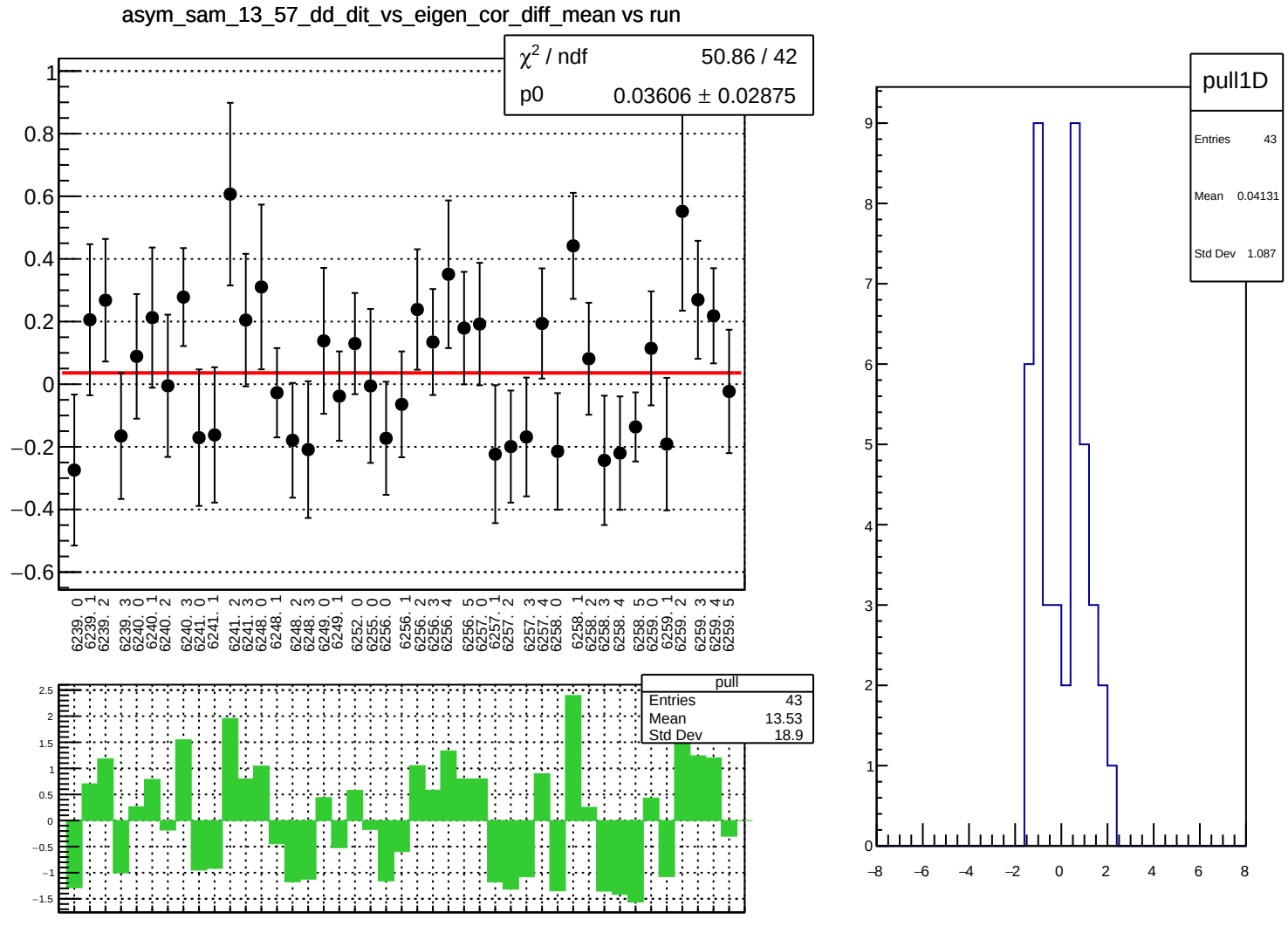

pull1D
Entries 43
Mean −0.06271
Std Dev 0.9276
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

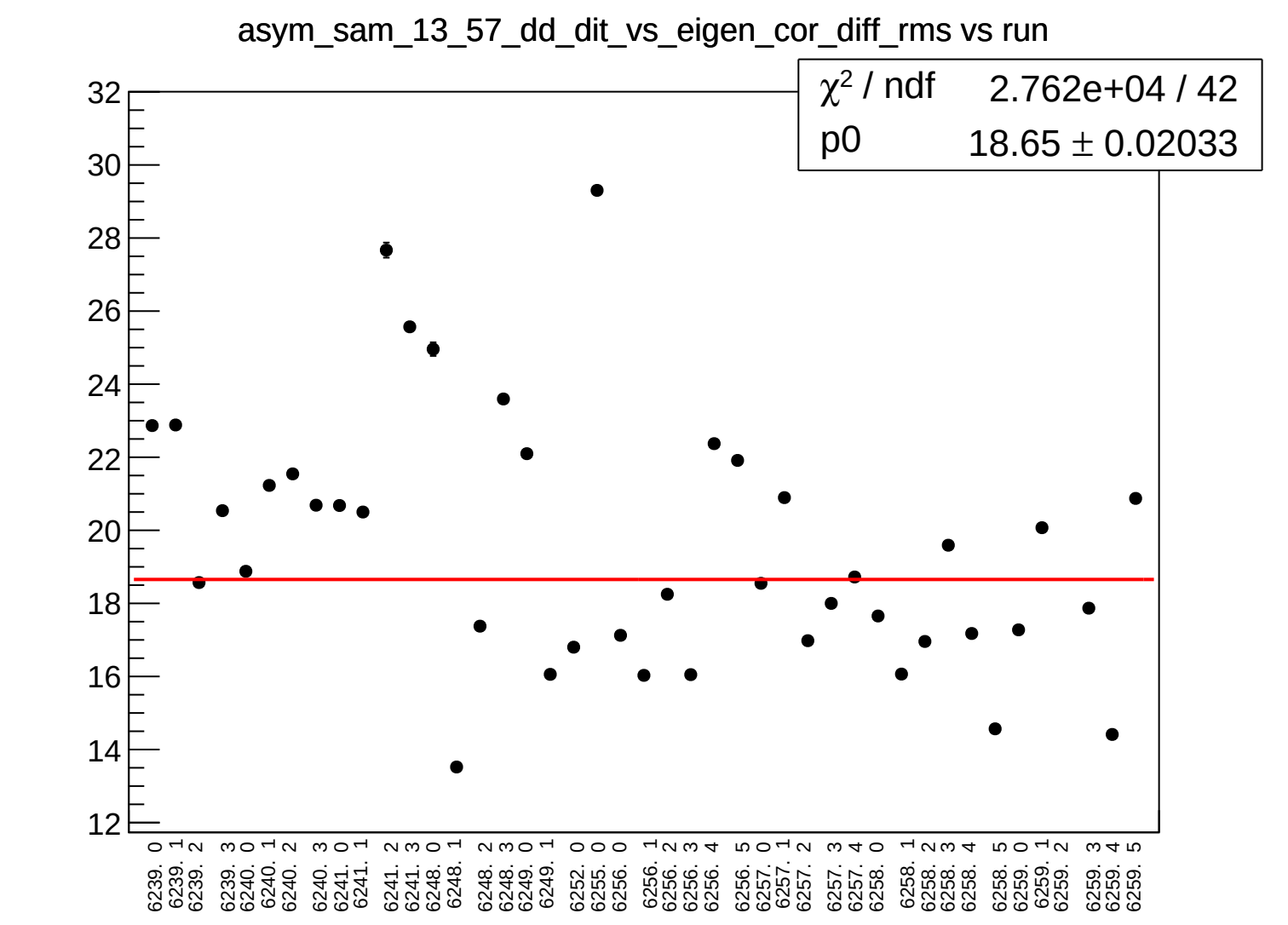

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.042e+05 / 42
p0 2.006e−11 ± 3.895e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

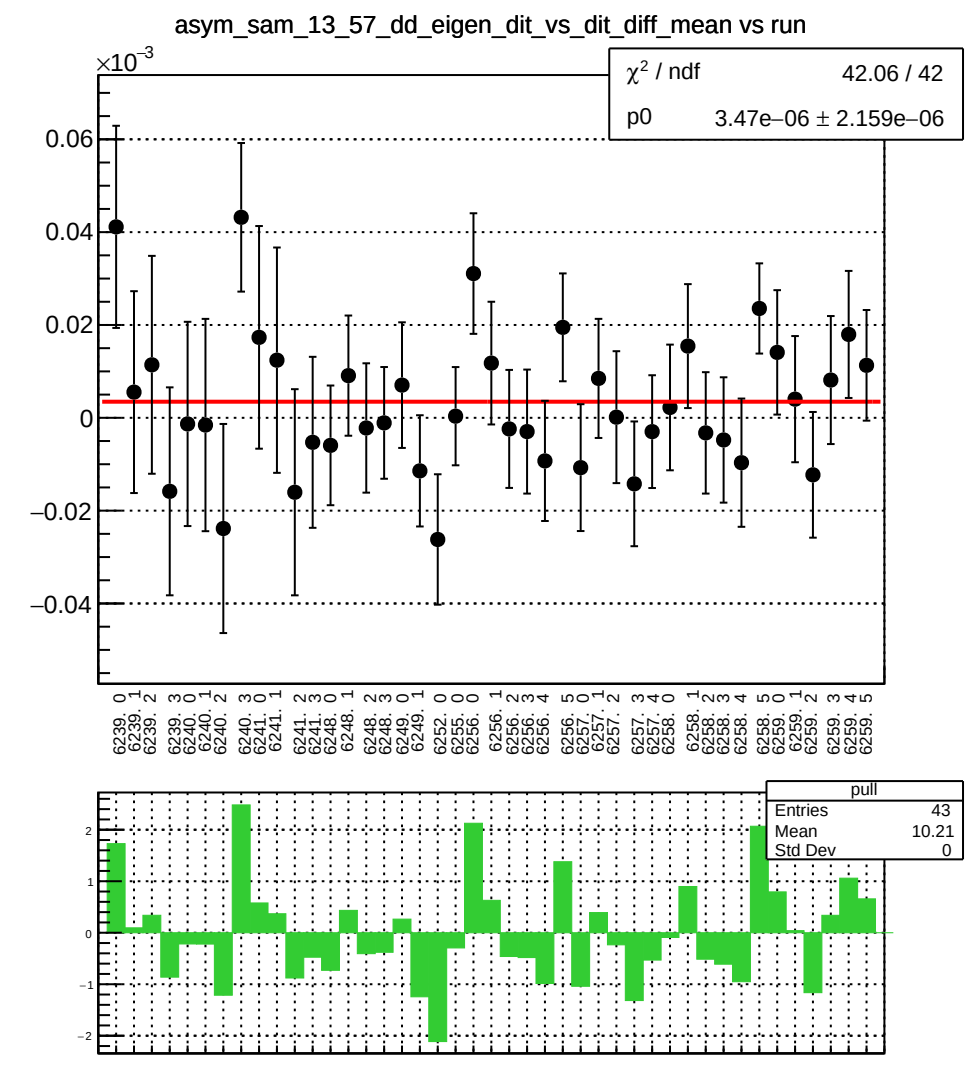

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.86 / 42
p0 0.03606 ± 0.02875
pull
Entries 43
Mean 13.53
Std Dev 18.9

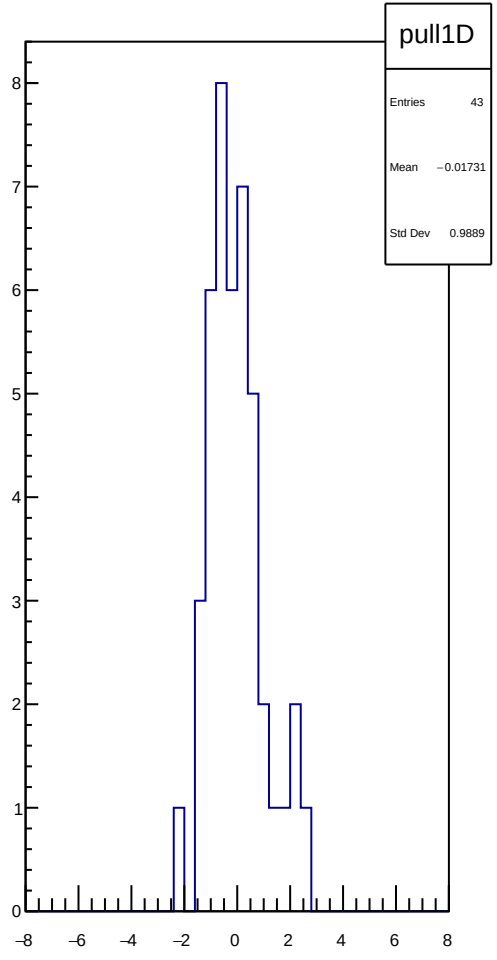

pull1D
Entries 43
Mean 0.04131
Std Dev 1.087

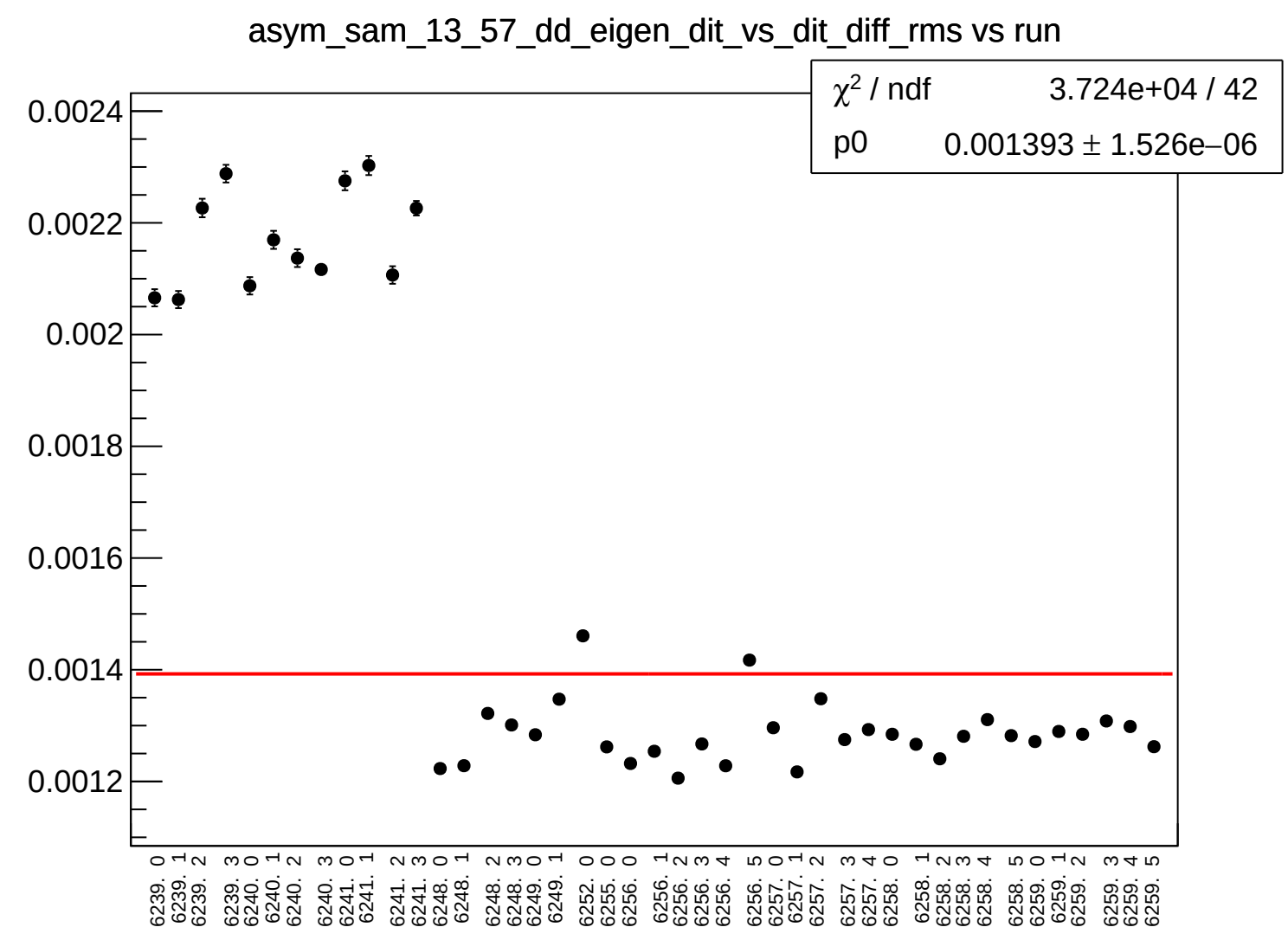

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.762e+04 / 42
p0 18.65 ± 0.02033
32
30
28
26
24
22
20
18
16
14
12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

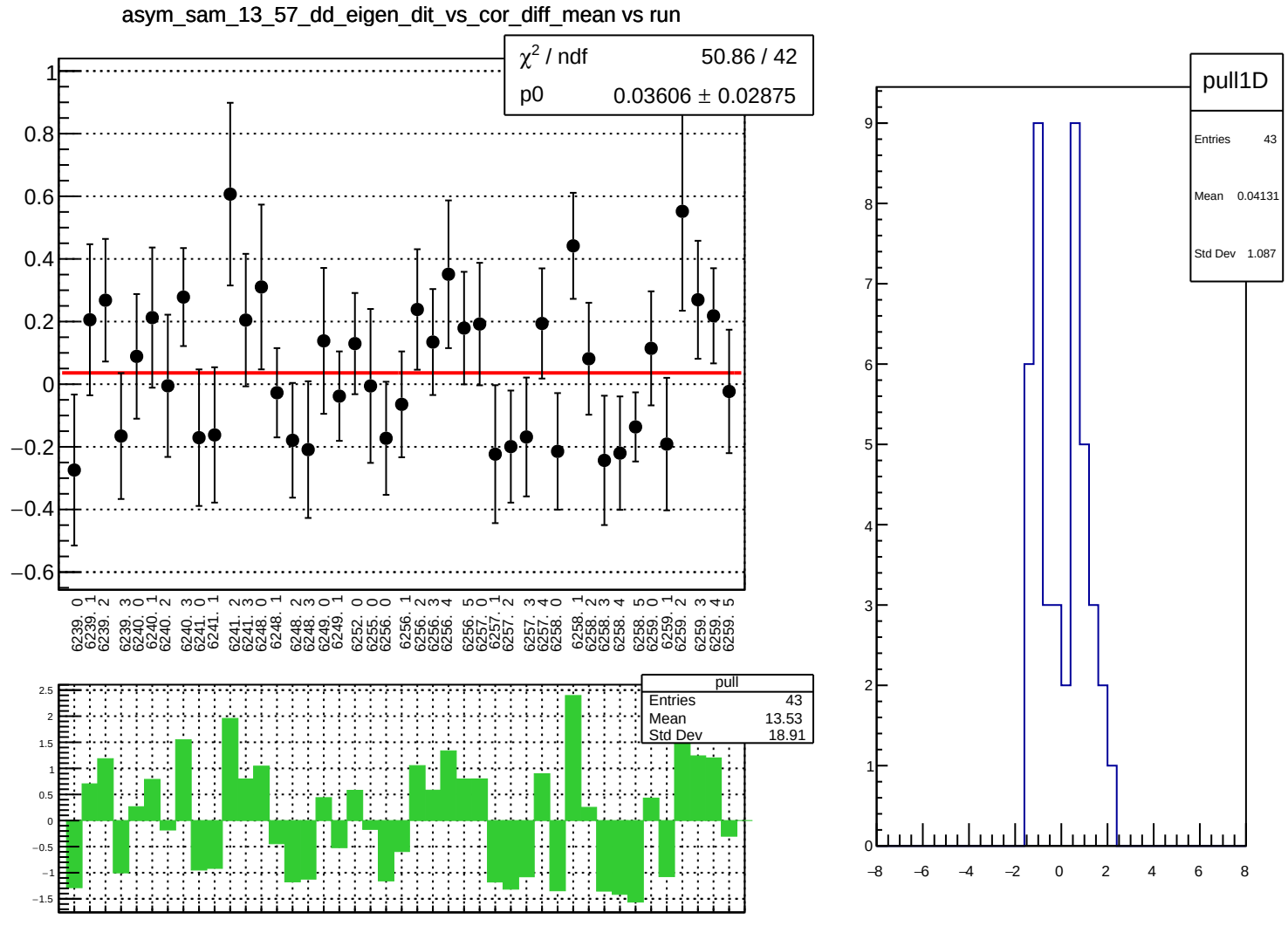

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.86 / 42
p0 0.03606 ± 0.02875
pull
Entries 43
Mean 13.53
Std Dev 18.9
pull1D
Entries 43
Mean 0.04131
Std Dev 1.087

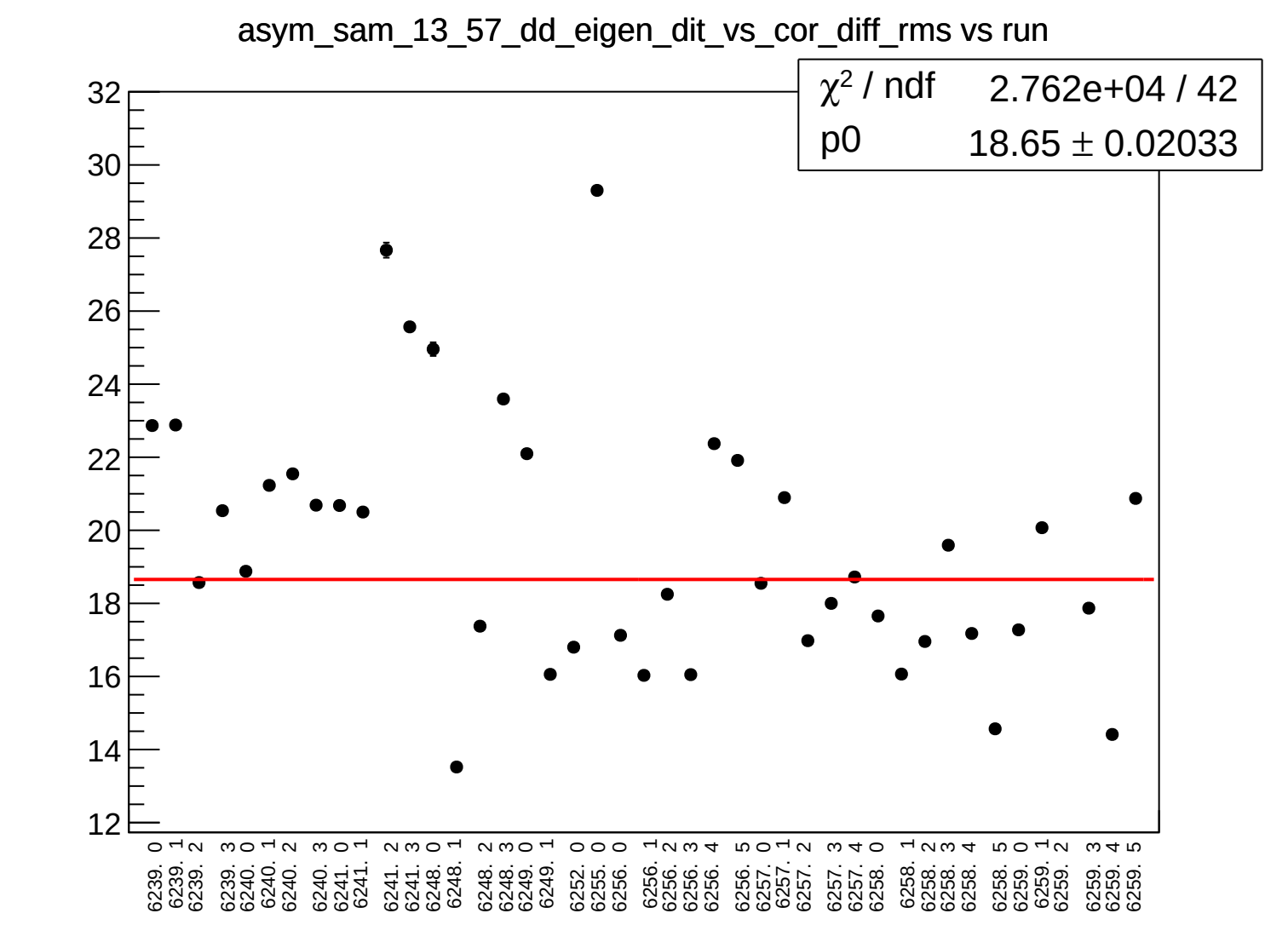

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.762e+04 / 42
p0 18.65 ± 0.02033
32
30
28
26
24
22
20
18
16
14
12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.06 / 42
p0 3.47e−06 ± 2.159e−06
0.06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.21
Std Dev 0
2
1
0
−1
−2

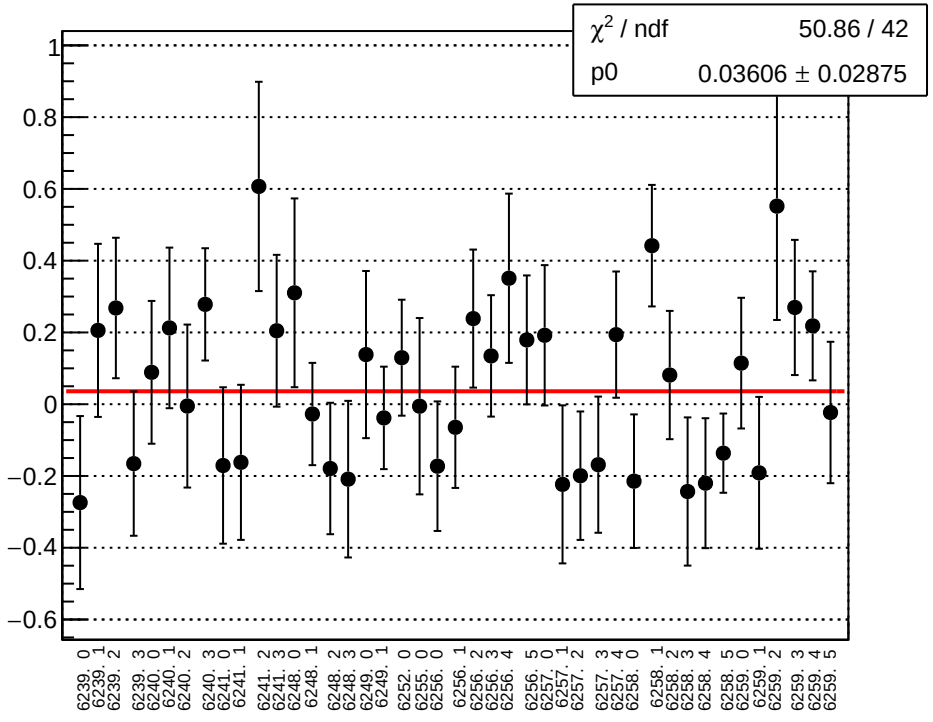

pull1D
Entries 43
Mean −0.01731
Std Dev 0.9889
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

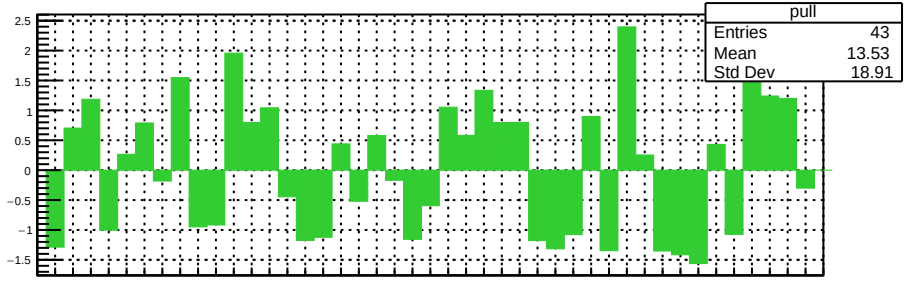

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.724e+04 / 42
p0 0.001393 ± 1.526e−06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

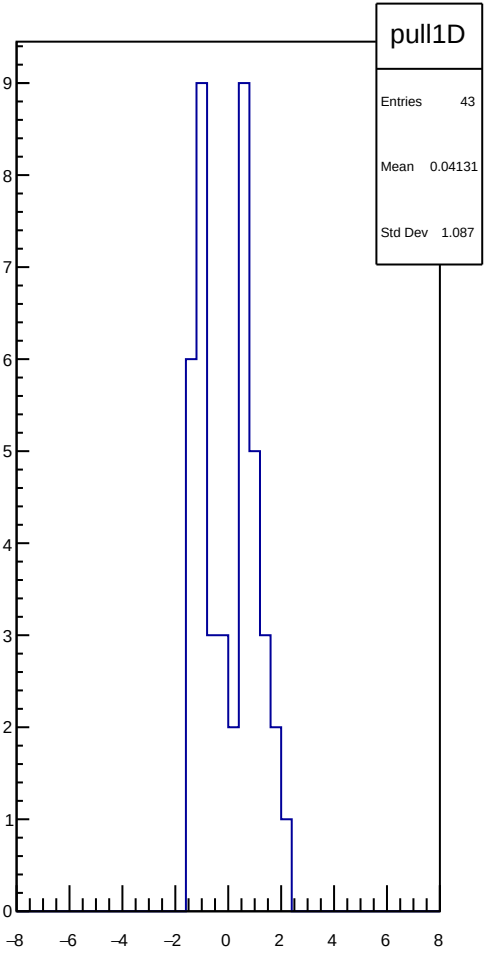

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.86 / 42
p0 0.03606 ± 0.02875
pull
Entries 43
Mean 13.53
Std Dev 18.91
pull1D
Entries 43
Mean 0.04131
Std Dev 1.087

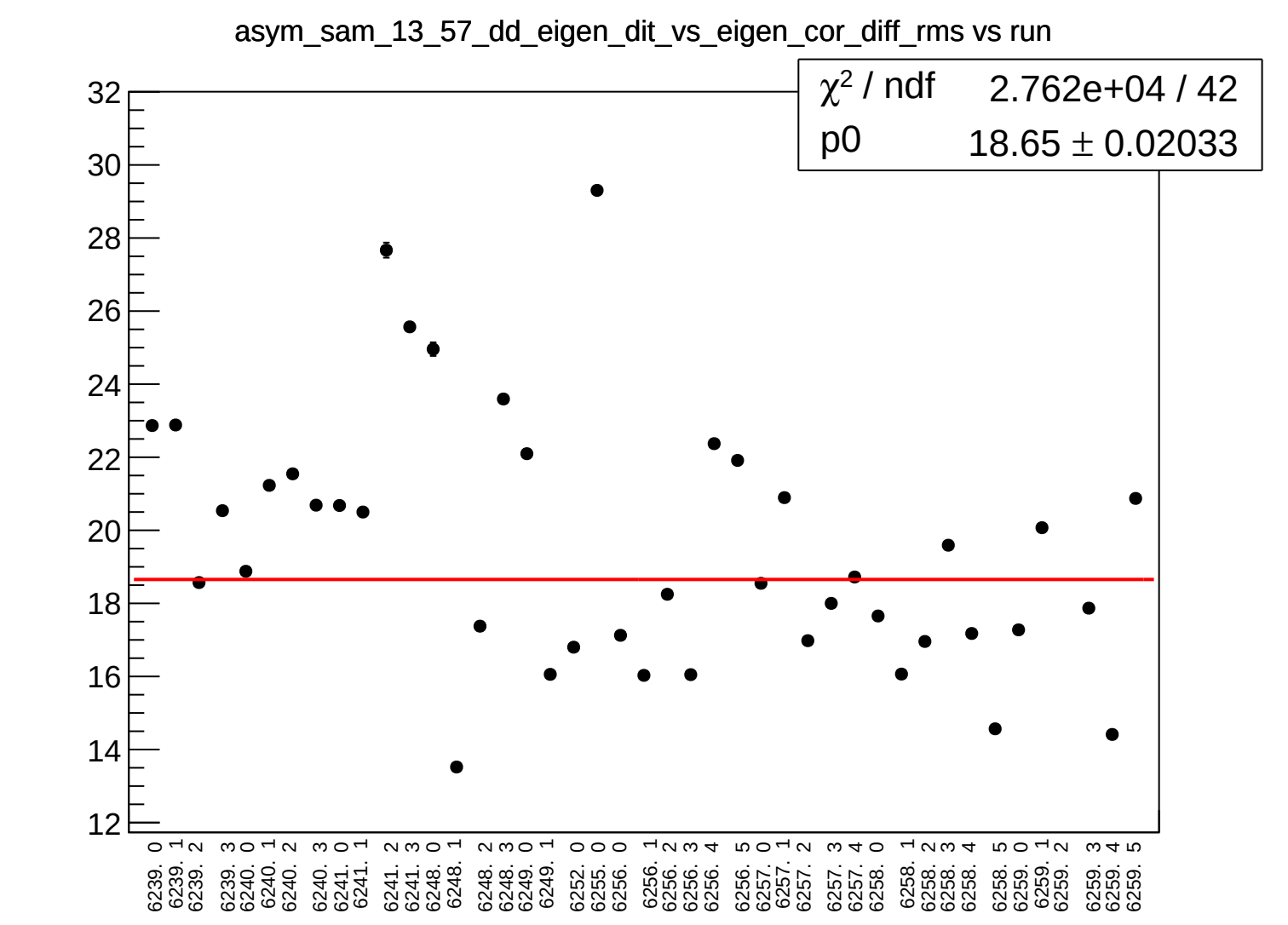

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.762e+04 / 42
p0 18.65 ± 0.02033
32
30
28
26
24
22
20
18
16
14
12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

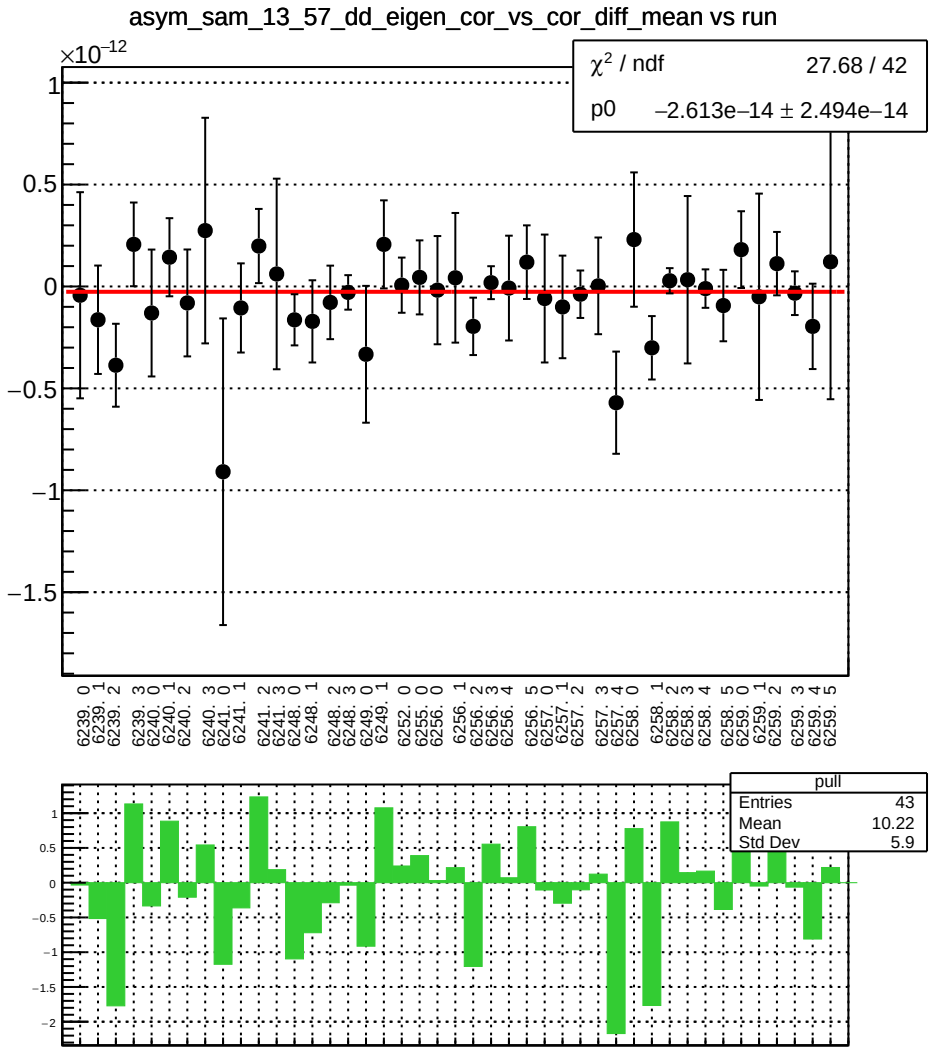
asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

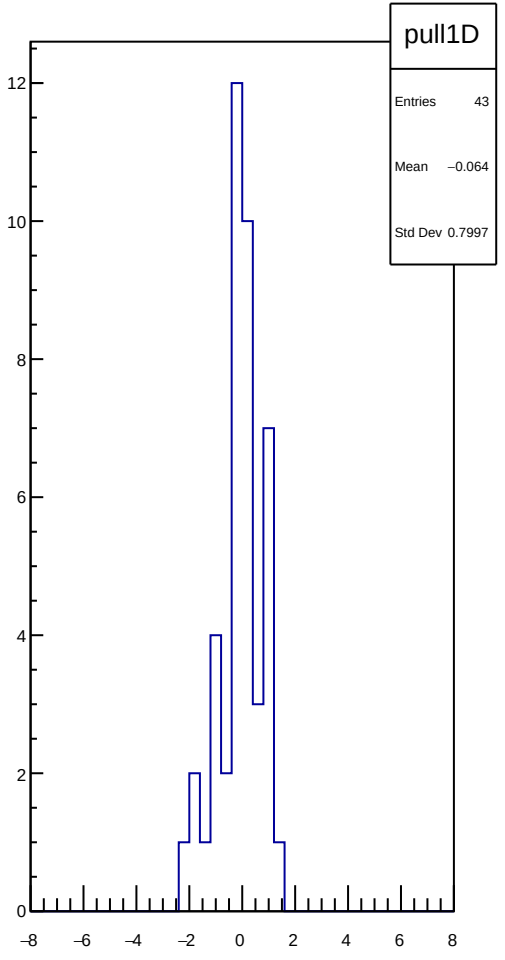


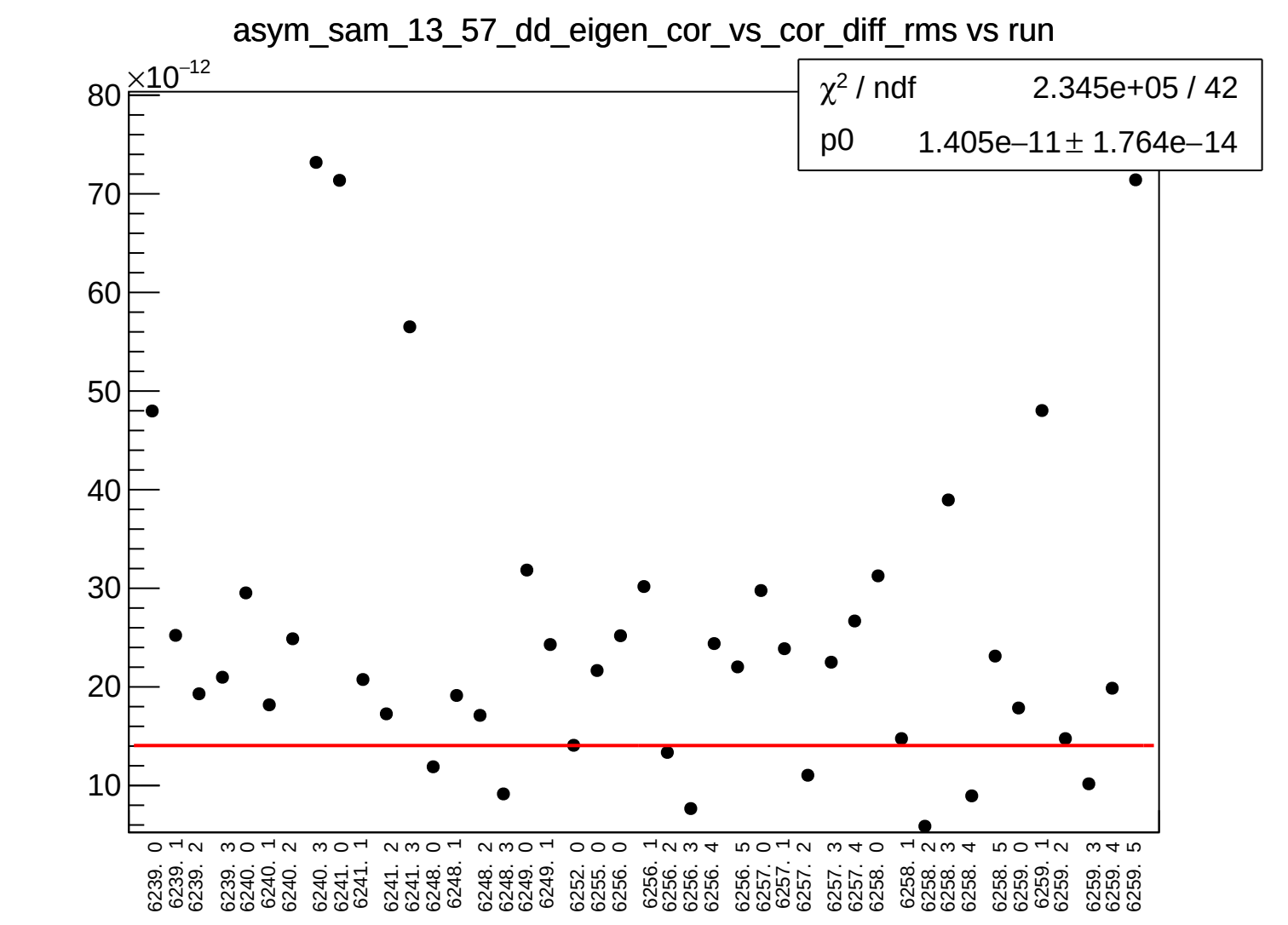



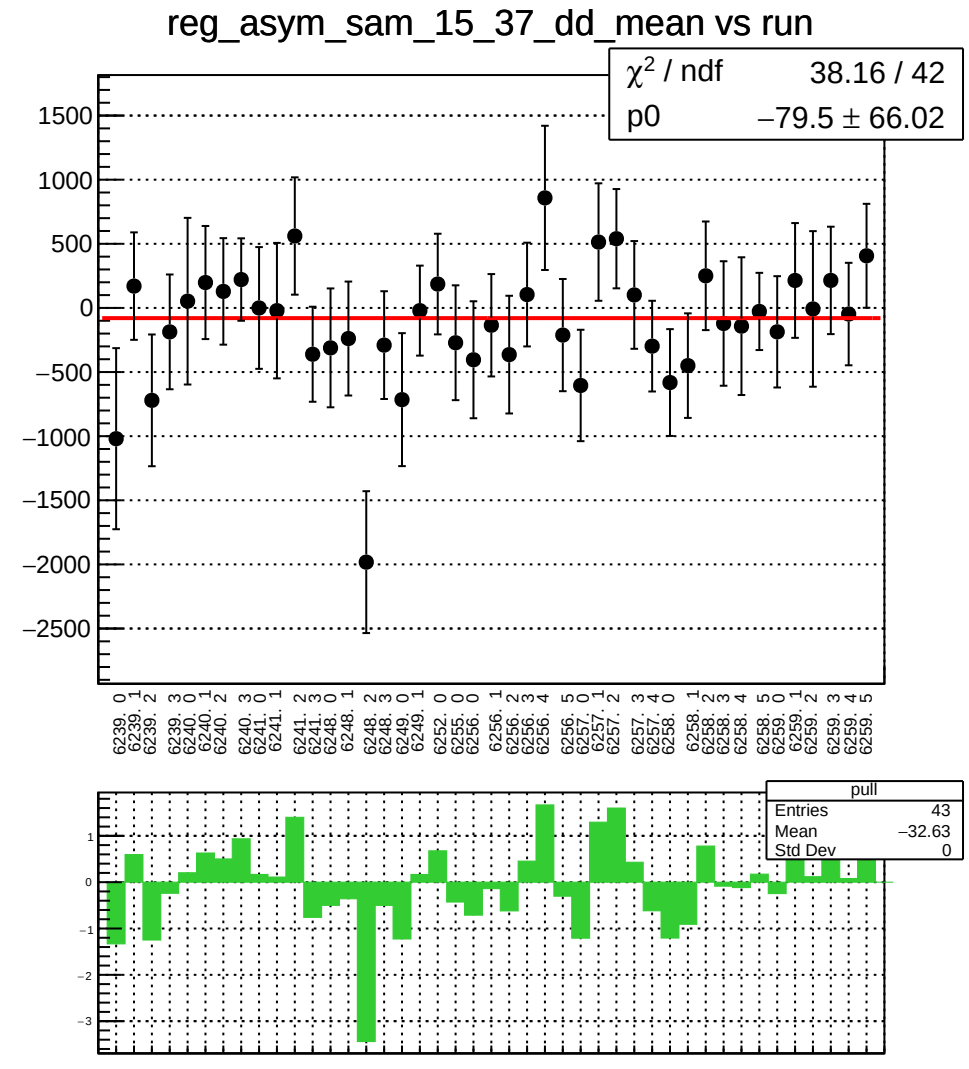



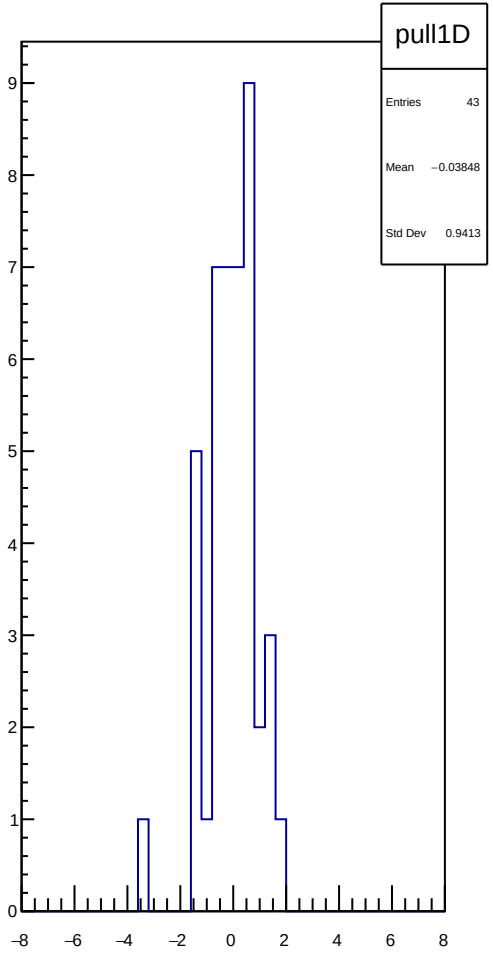

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.762e+04 / 42
p0 18.65 ± 0.02033
32
30
28
26
24
22
20
18
16
14
12
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

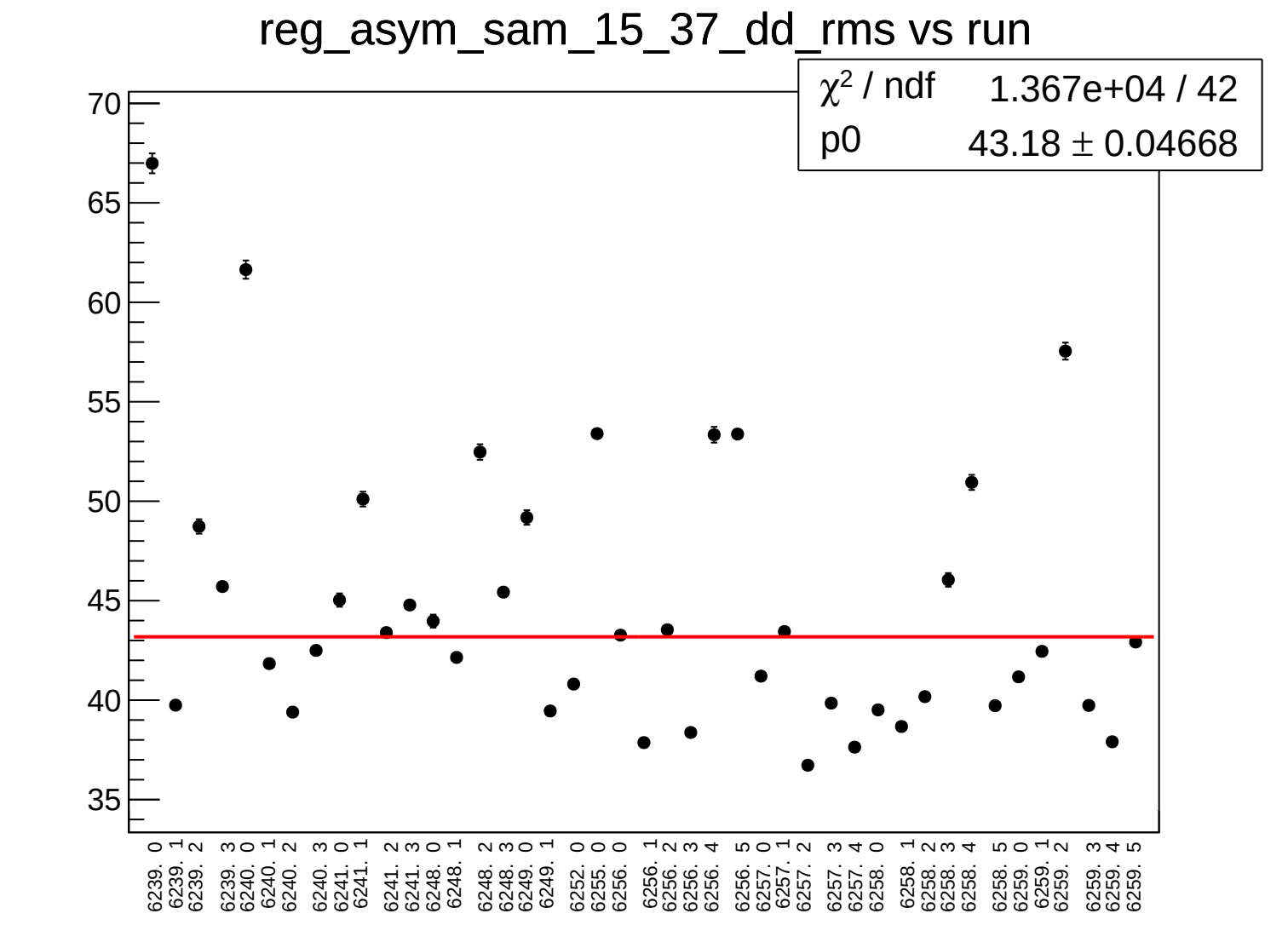

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.68 / 42
p0 −2.613e−14 ± 2.494e−14
pull
Entries 43
Mean 10.22
Std Dev 5.9

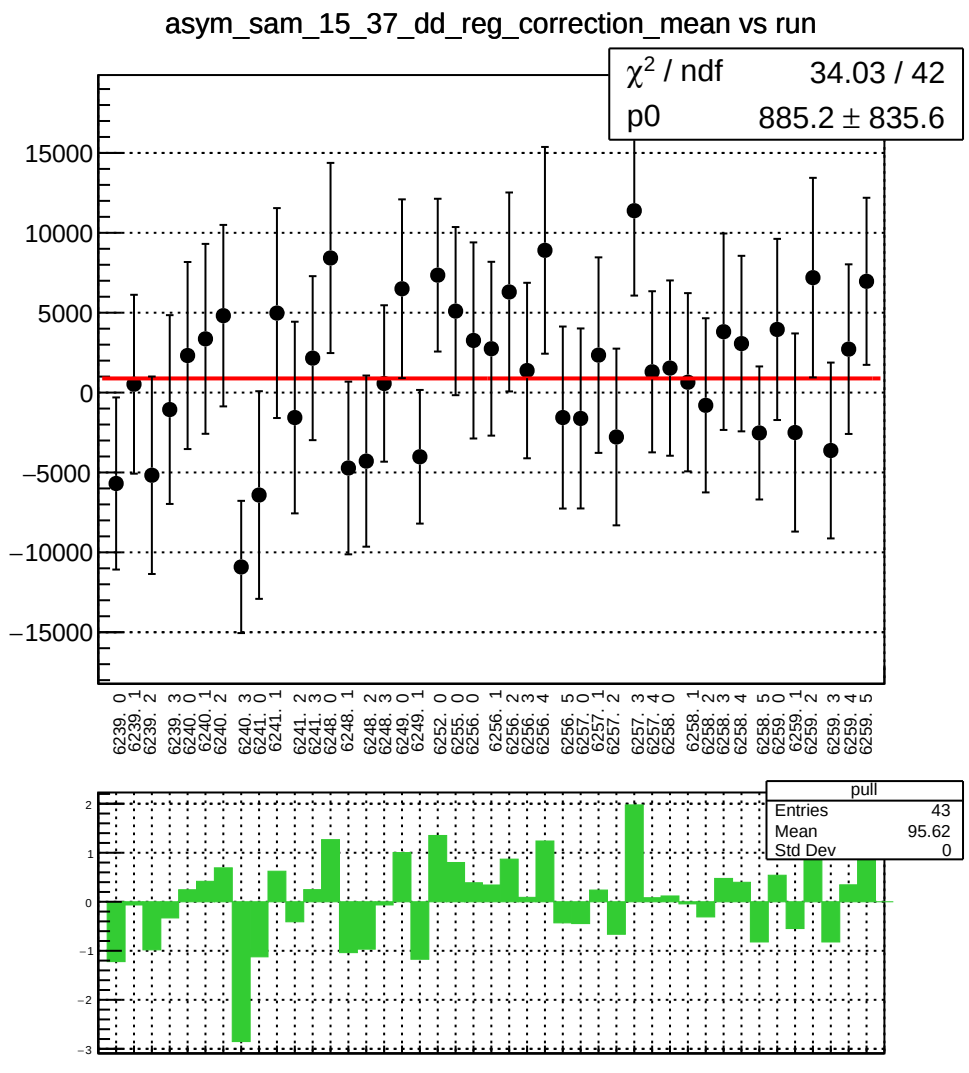

pull1D
Entries 43
Mean −0.064
Std Dev 0.7997

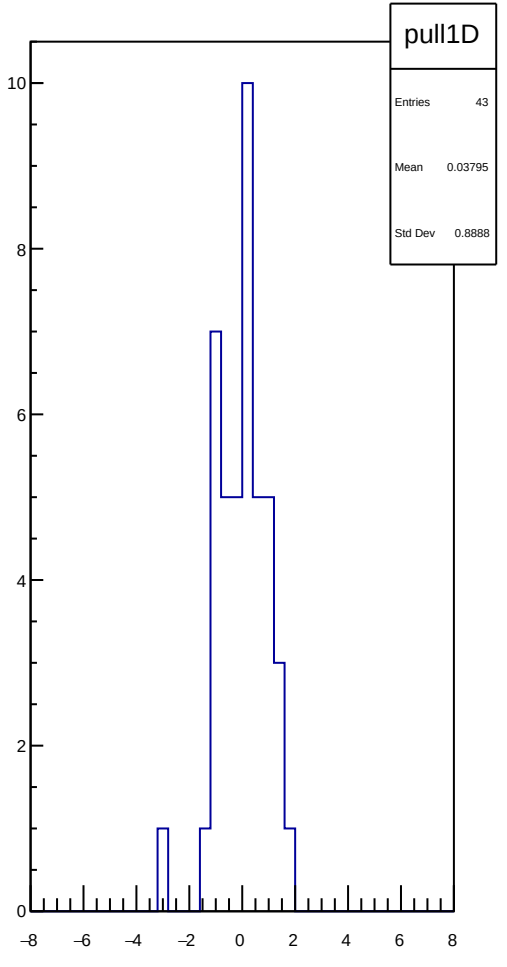

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 2.345e+05 / 42
p0 1.405e−11 ± 1.764e−14
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

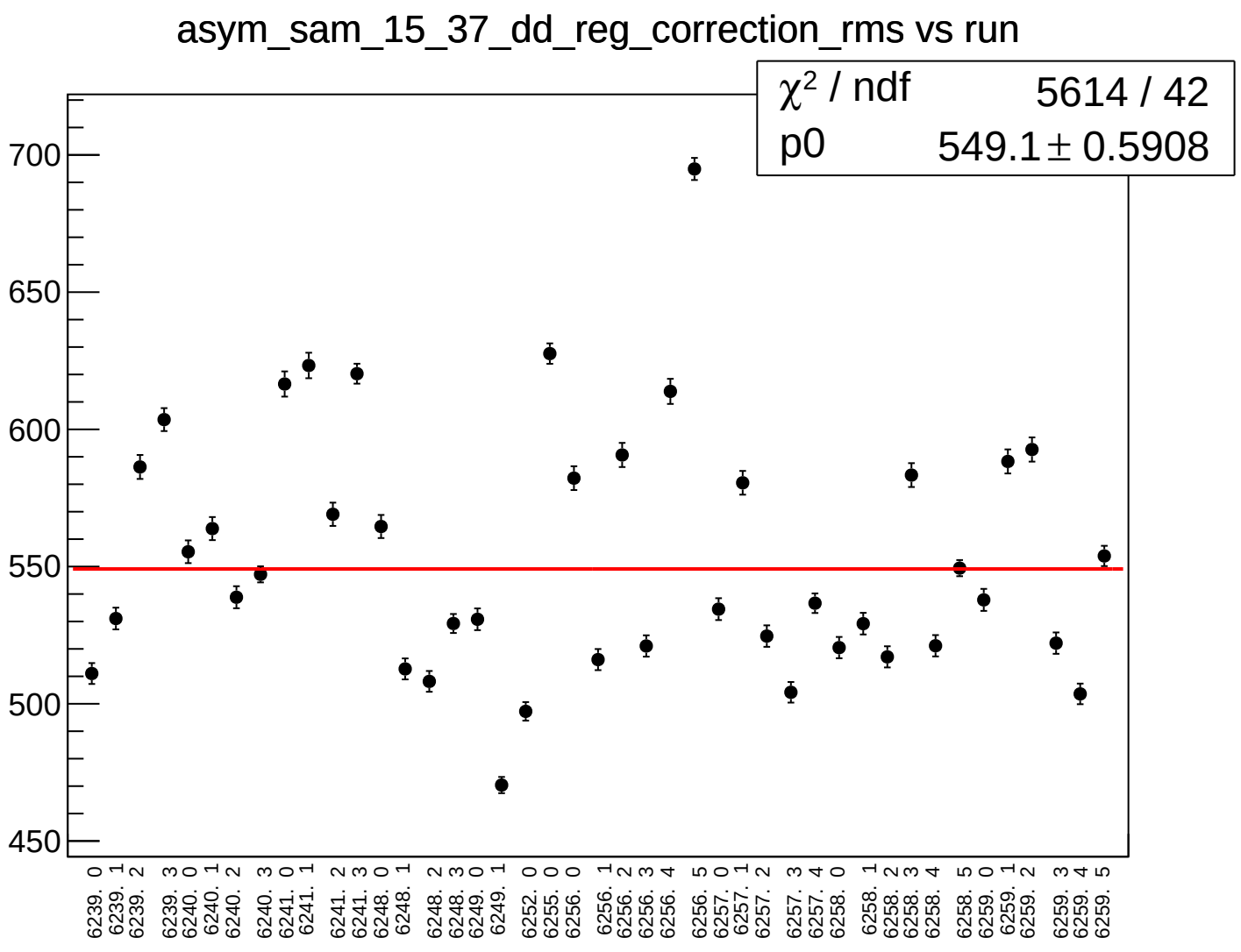

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.16 / 42
p0 −79.5 ± 66.02
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −32.63
Std Dev 0
1
0
−1
−2
−3

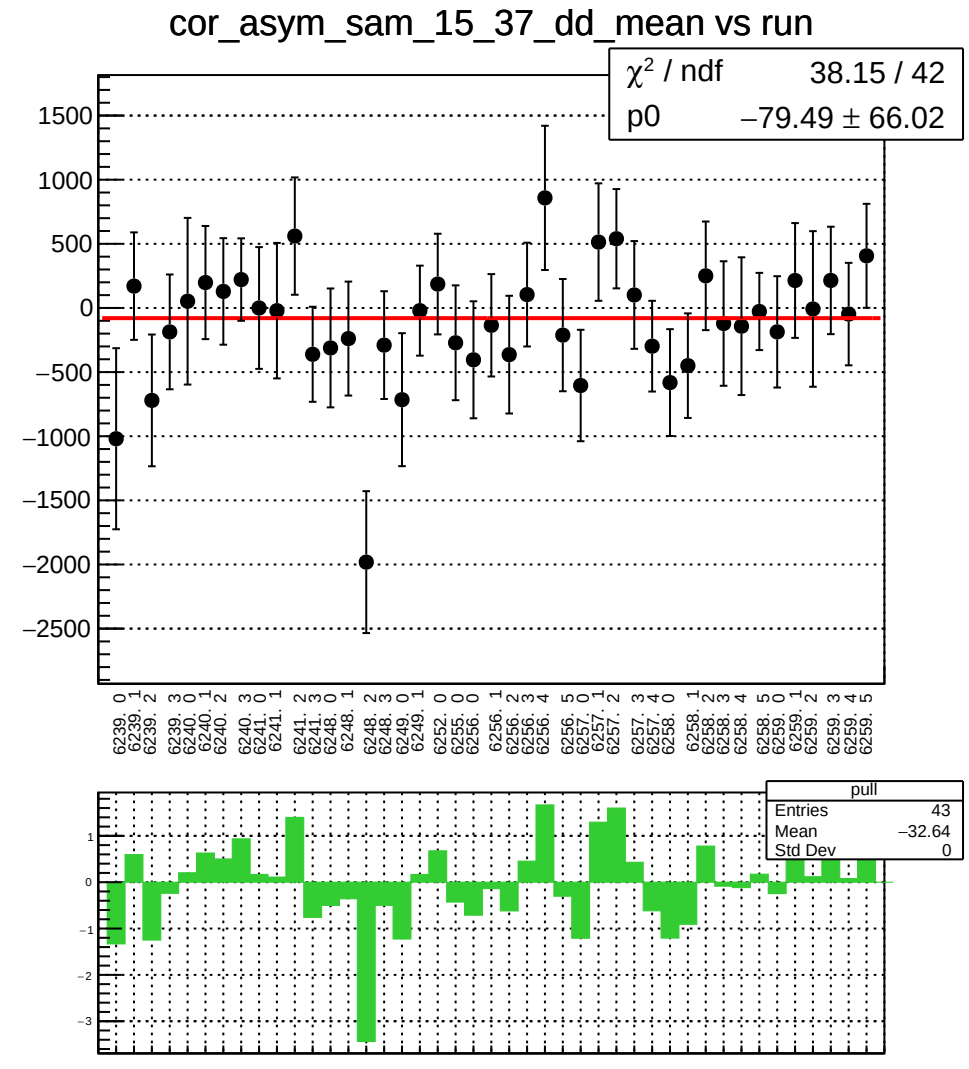

pull1D
Entries 43
Mean −0.03848
Std Dev 0.9413
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

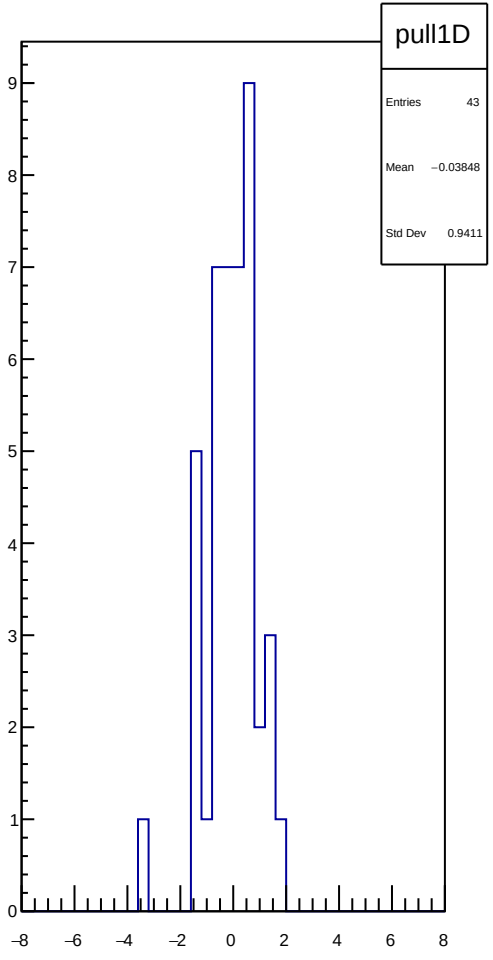

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.367e+04 / 42
p0 43.18 ± 0.04668
70
65
60
55
50
45
40
35
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

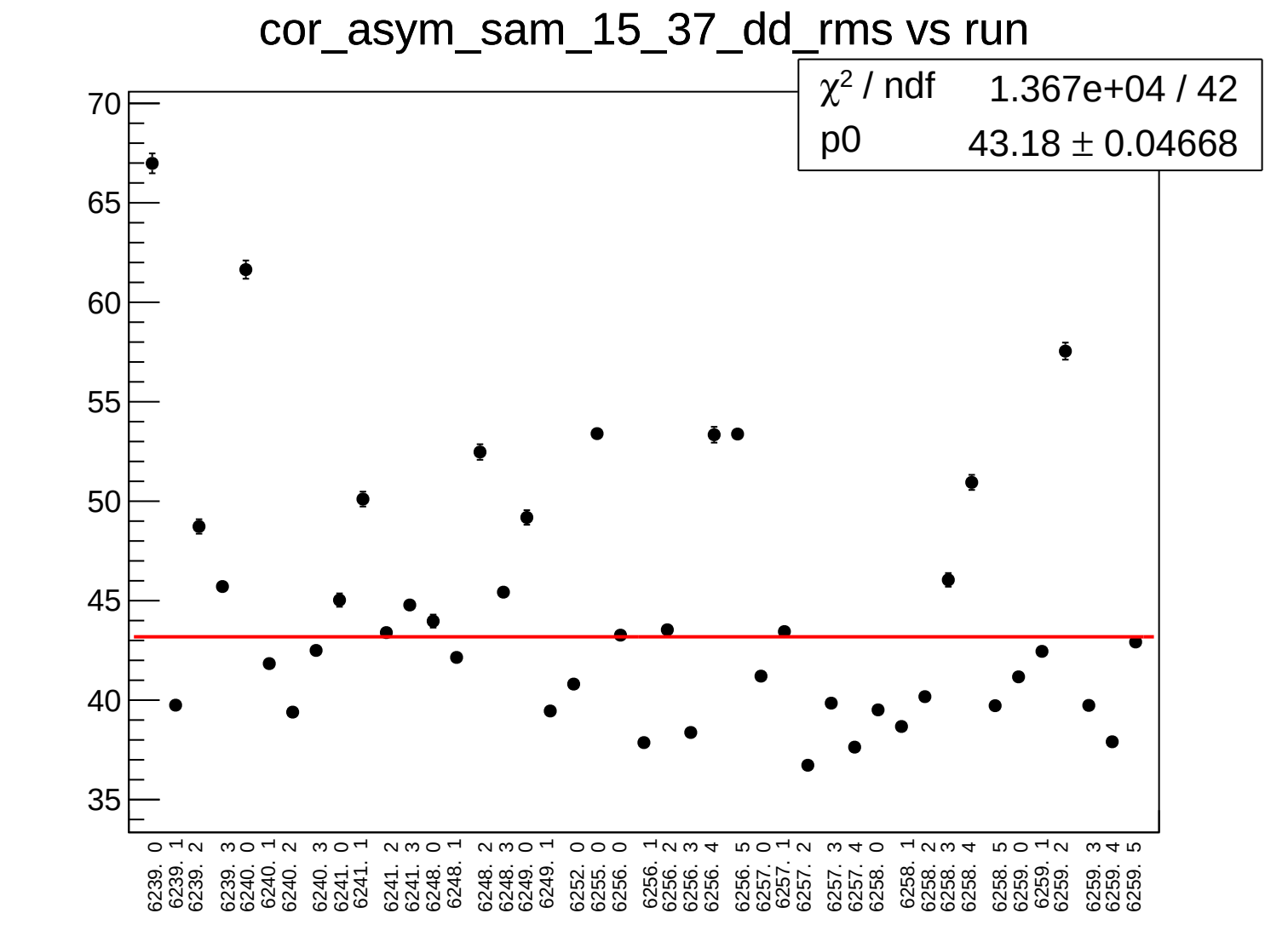

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 34.03 / 42
p0 885.2 ± 835.6
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 95.62
Std Dev 0
2
1
0
−1
−2
−3

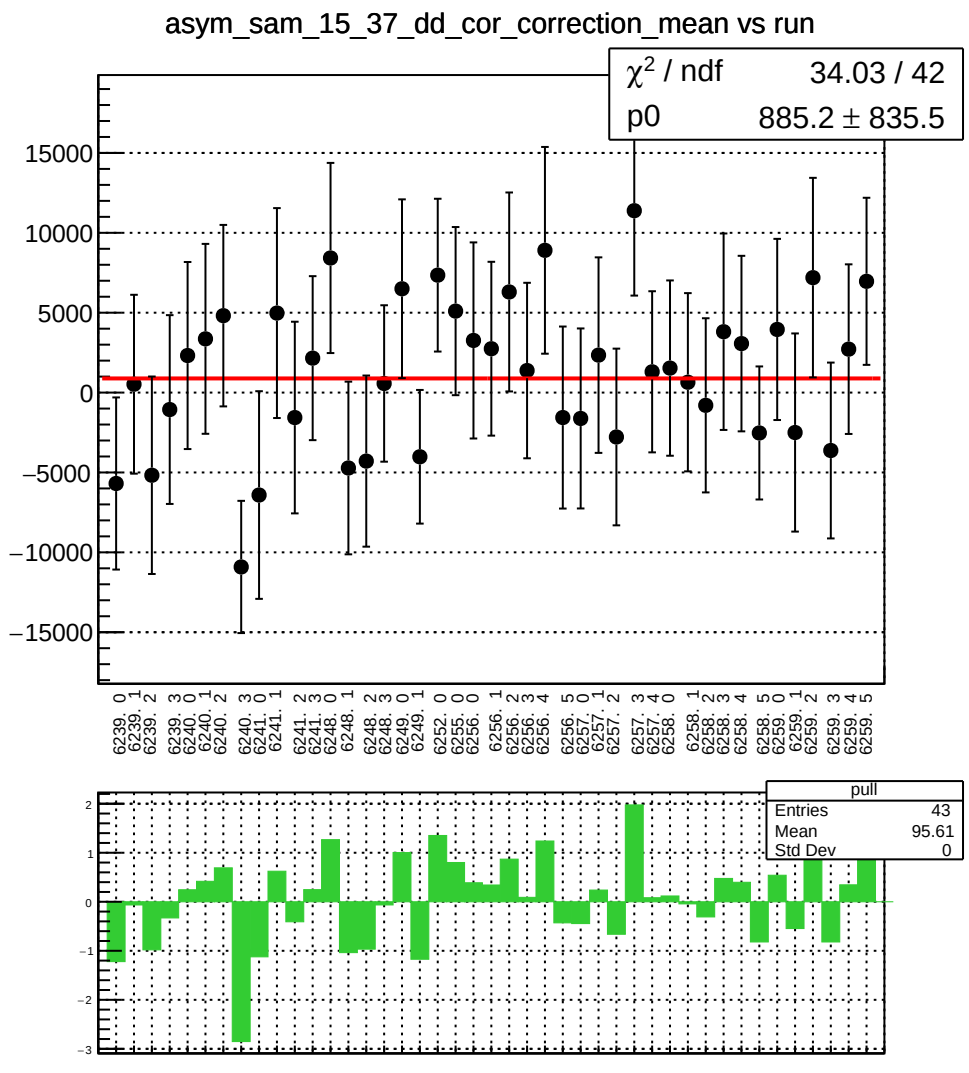

pull1D
Entries 43
Mean 0.03795
Std Dev 0.8888
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

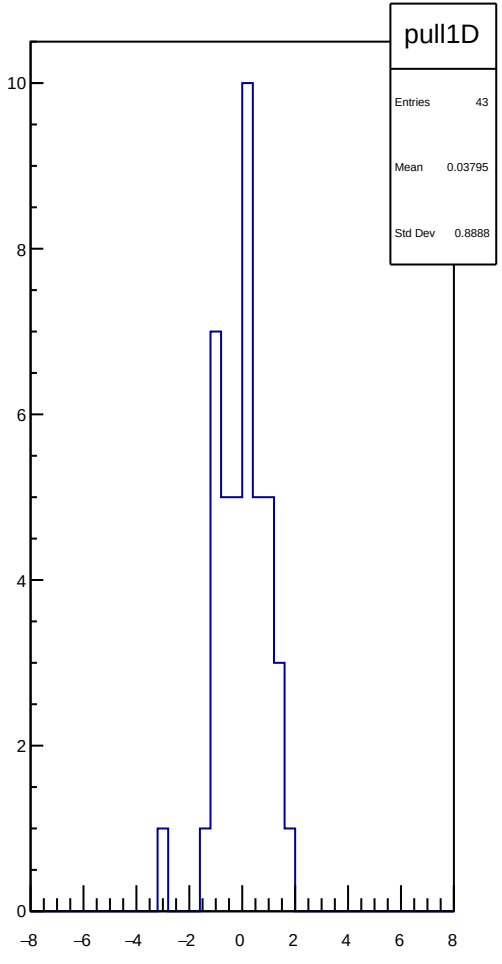

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 5614 / 42
p0 549.1 ± 0.5908
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

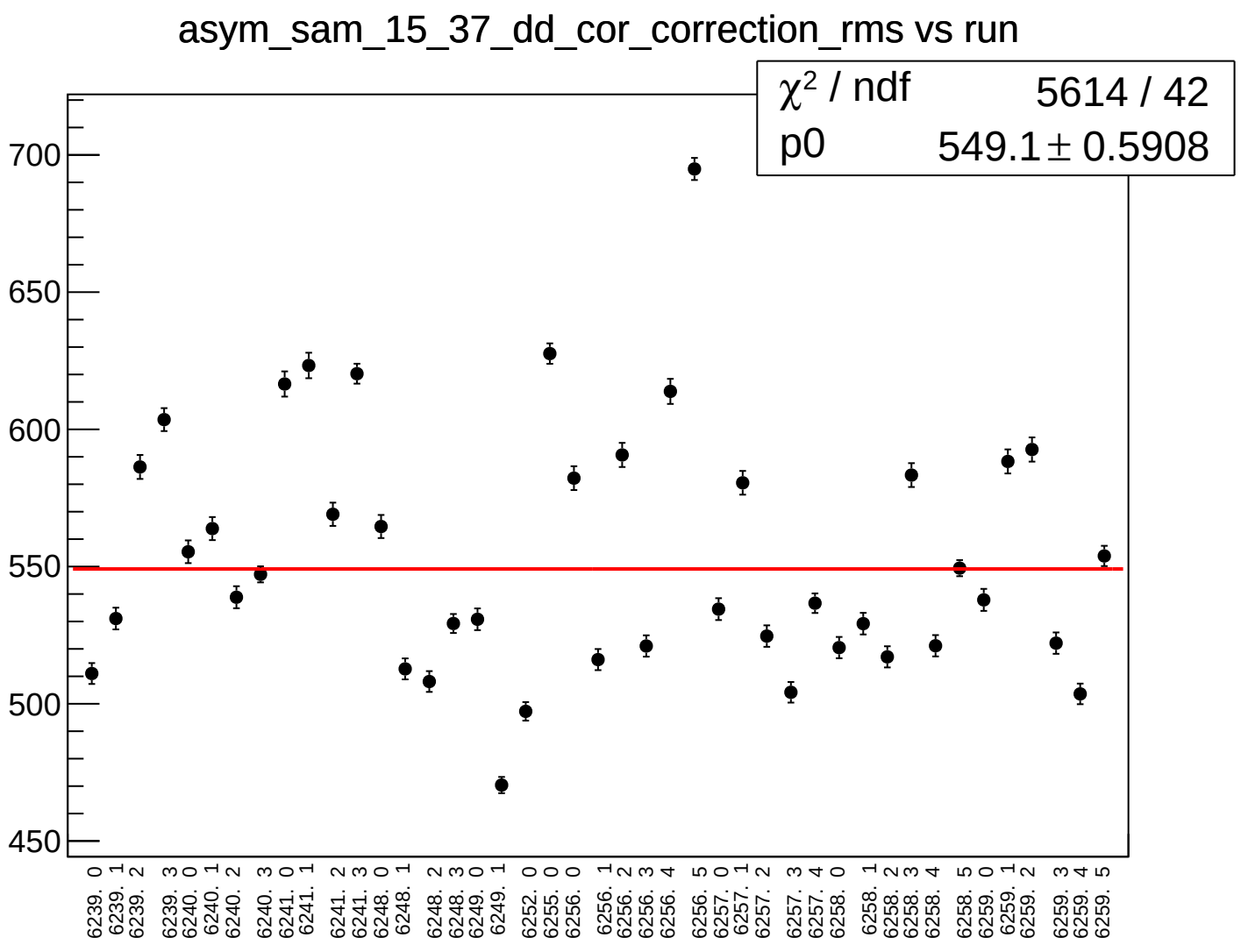

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.15 / 42
p0 −79.49 ± 66.02
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −32.64
Std Dev 0
1
0
−1
−2
−3

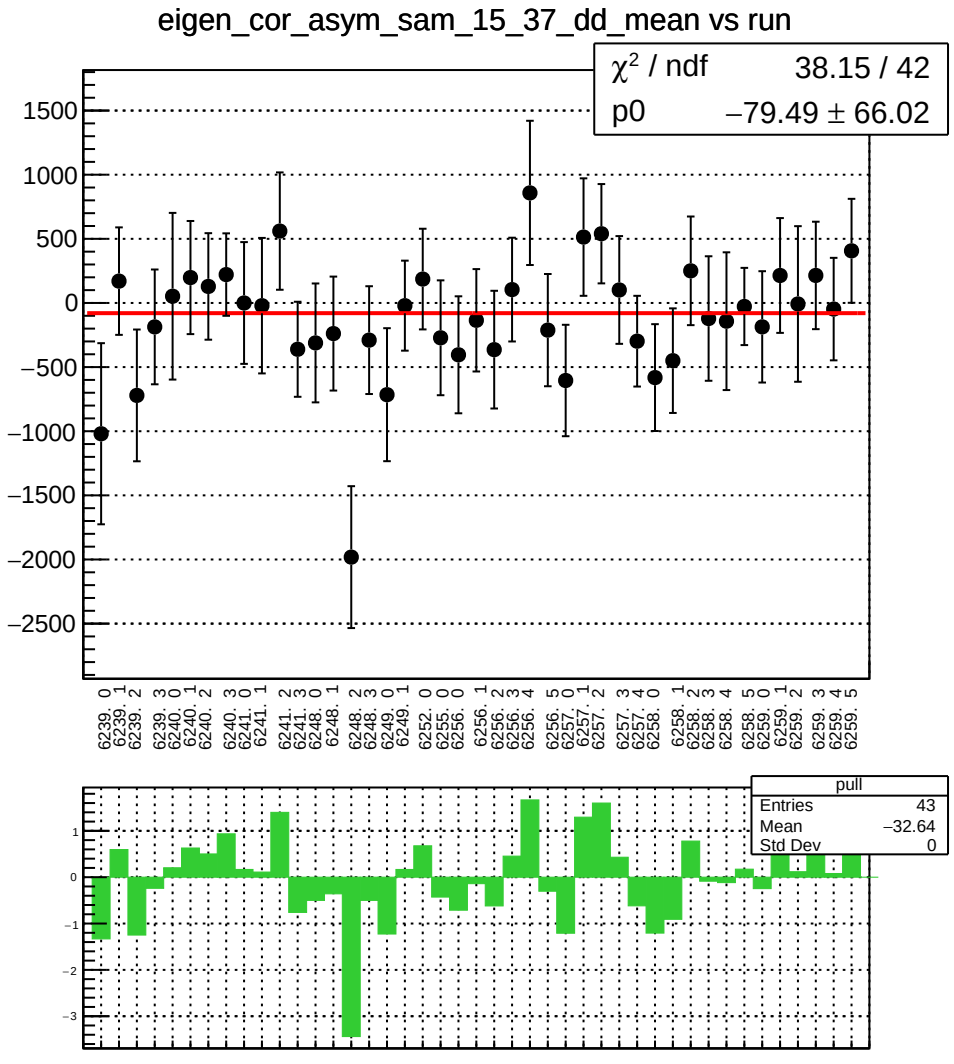

pull1D
Entries 43
Mean −0.03848
Std Dev 0.9411
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

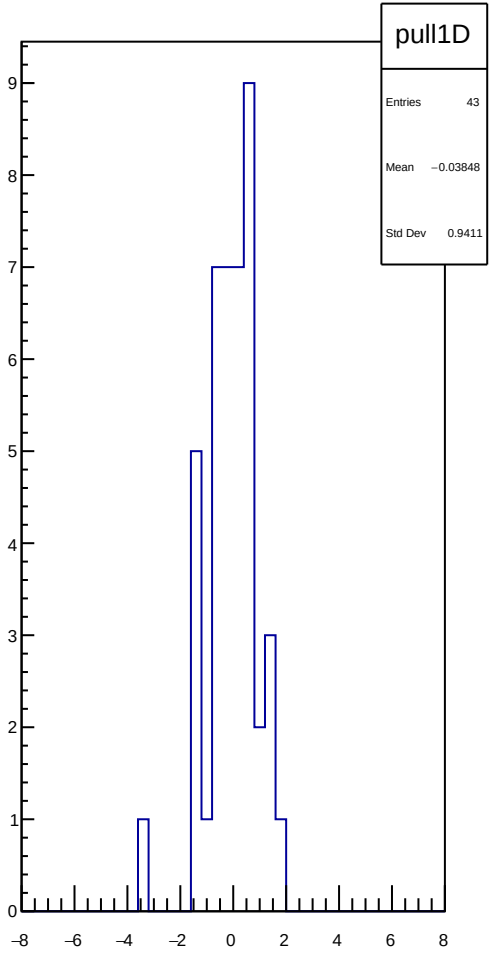

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.367e+04 / 42
p0 43.18 ± 0.04668
70
65
60
55
50
45
40
35
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

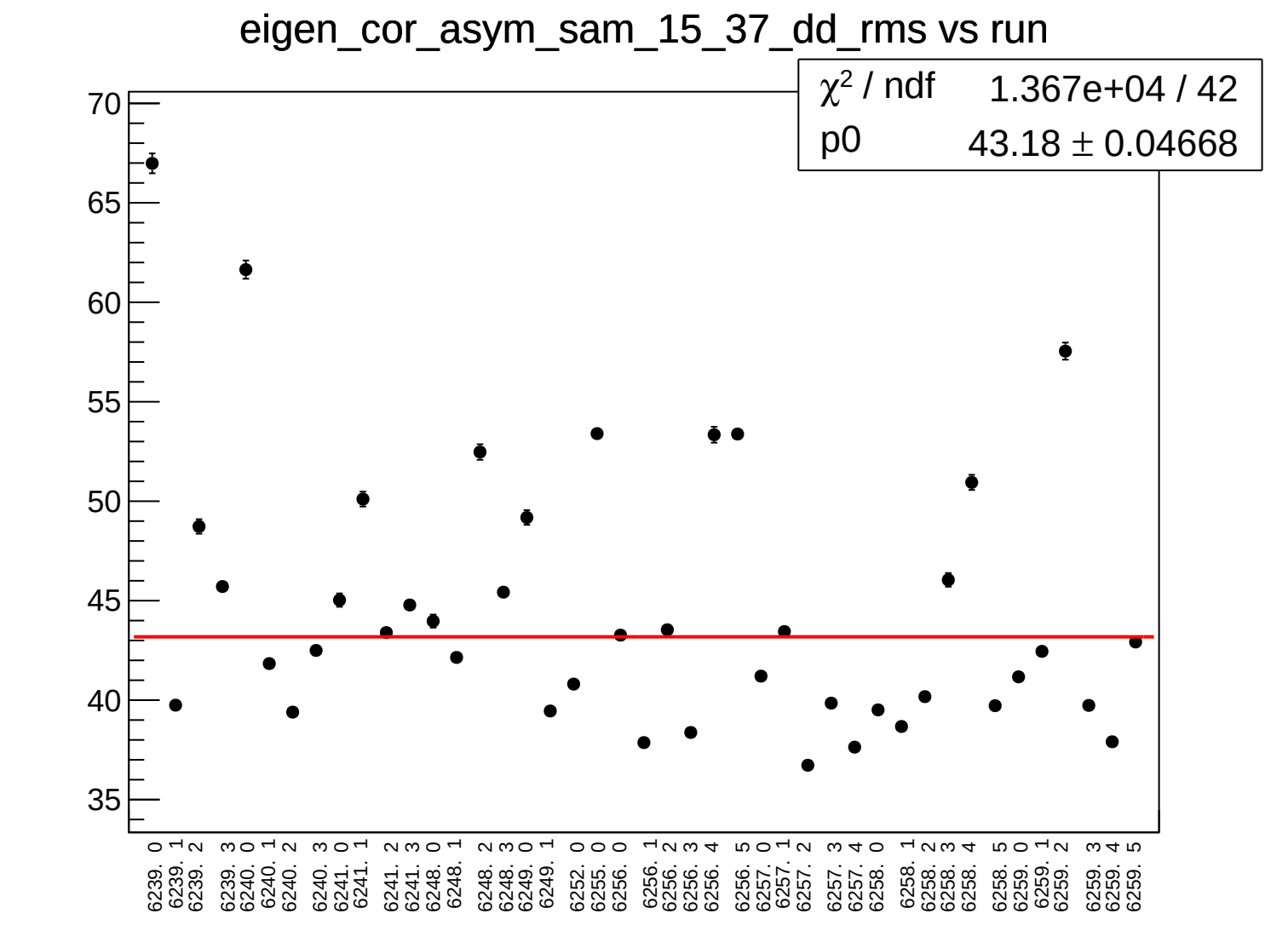

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 34.03 / 42
p0 885.2 ± 835.5
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 95.61
Std Dev 0
2
1
0
−1
−2
−3

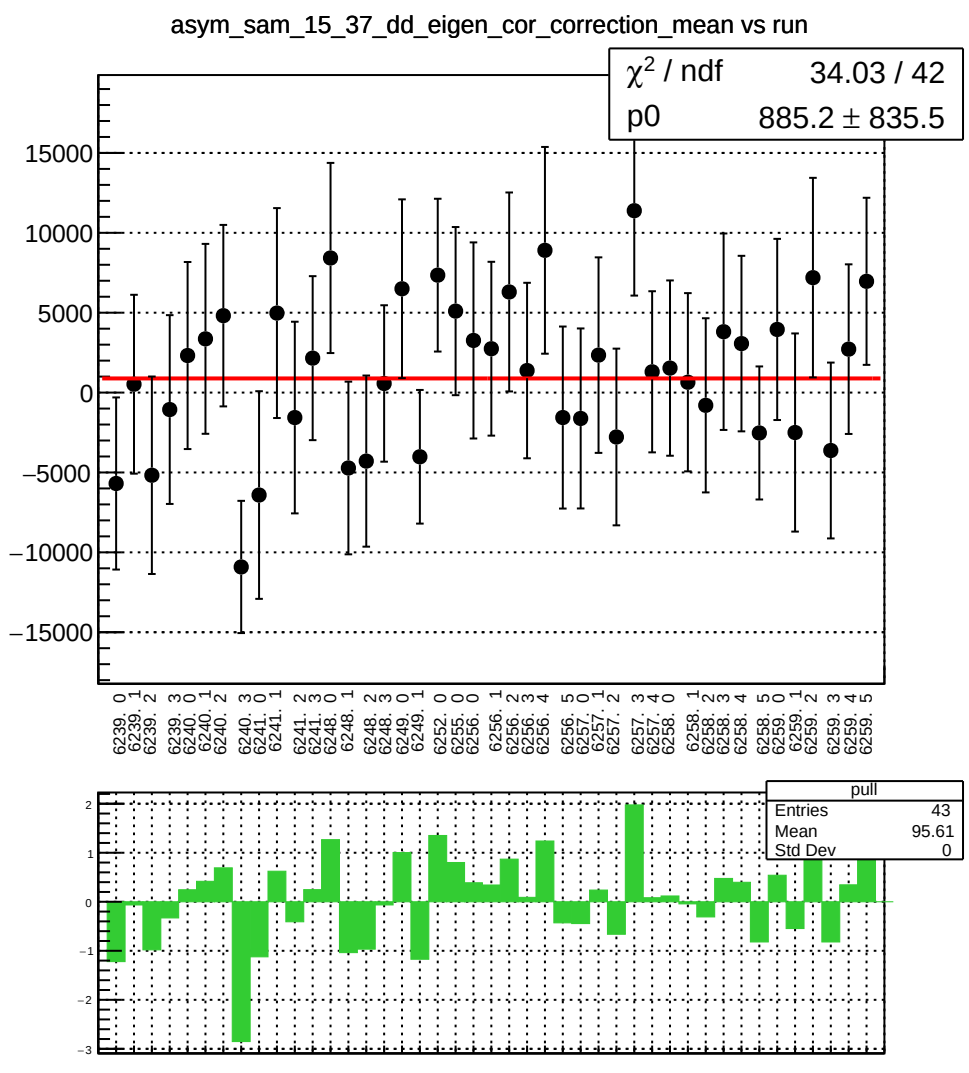

pull1D
Entries 43
Mean 0.03795
Std Dev 0.8888
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

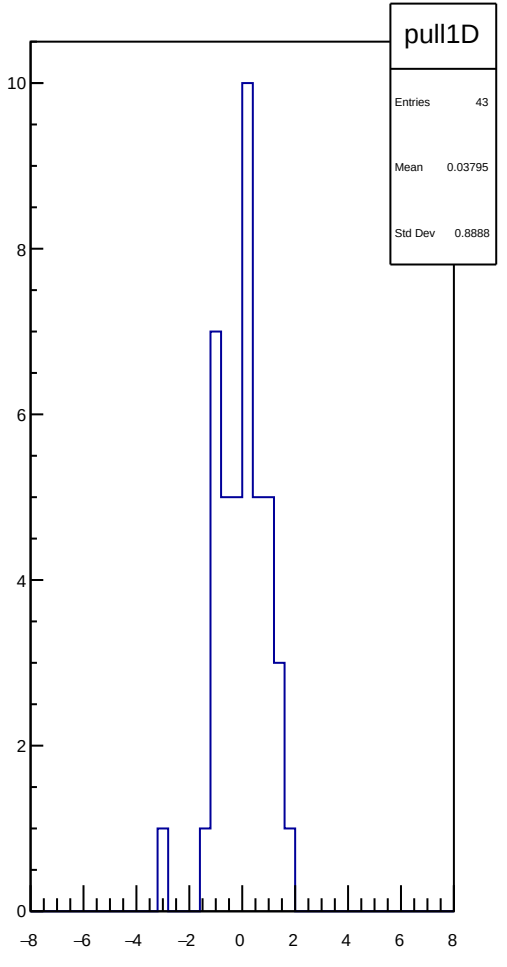

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 5614 / 42
p0 549.1 ± 0.5908
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

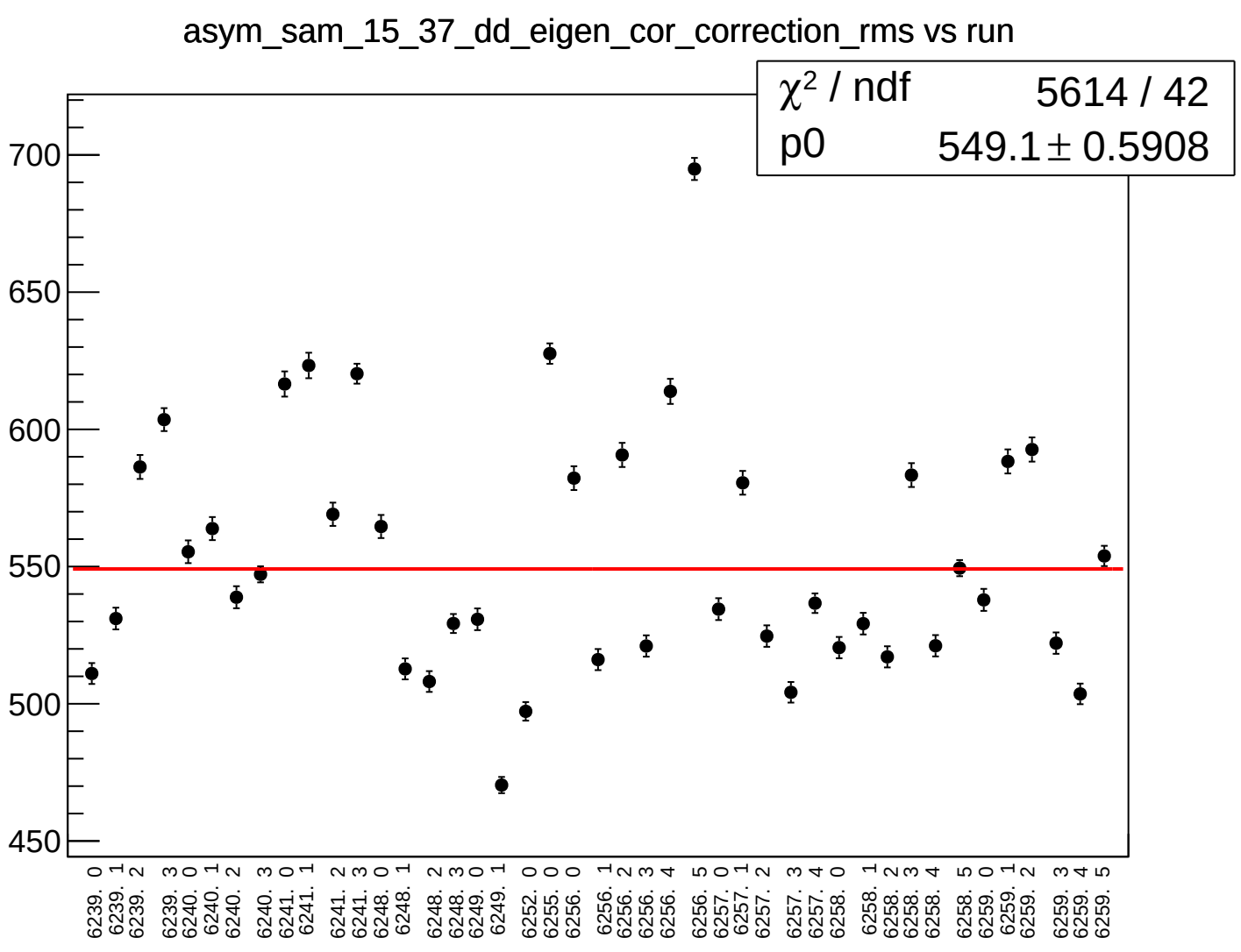

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 38.15 / 42
p0 −79.49 ± 66.02
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −32.64
Std Dev 0
1
0
−1
−2
−3

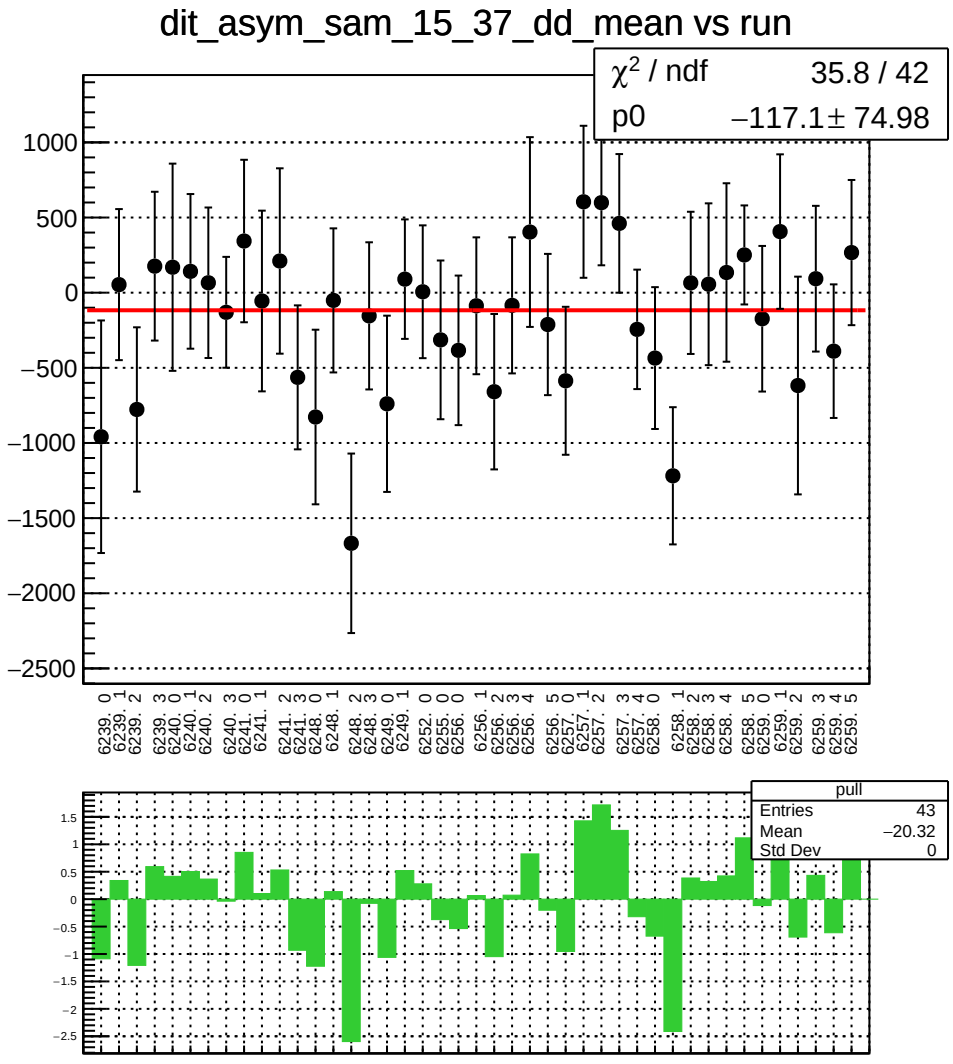

pull1D
Entries 43
Mean −0.03848
Std Dev 0.9411
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

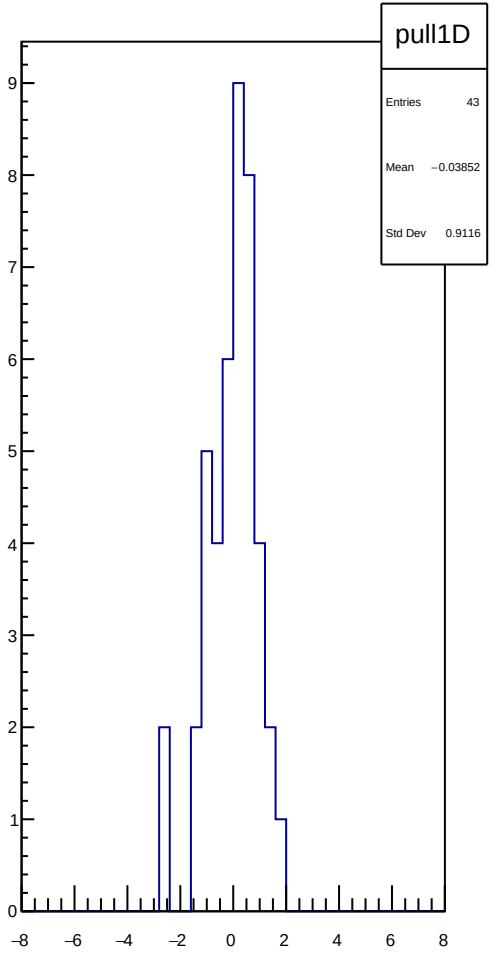

eigen_cor_asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 1.367e+04 / 42
p0 43.18 ± 0.04668
70
65
60
55
50
45
40
35
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

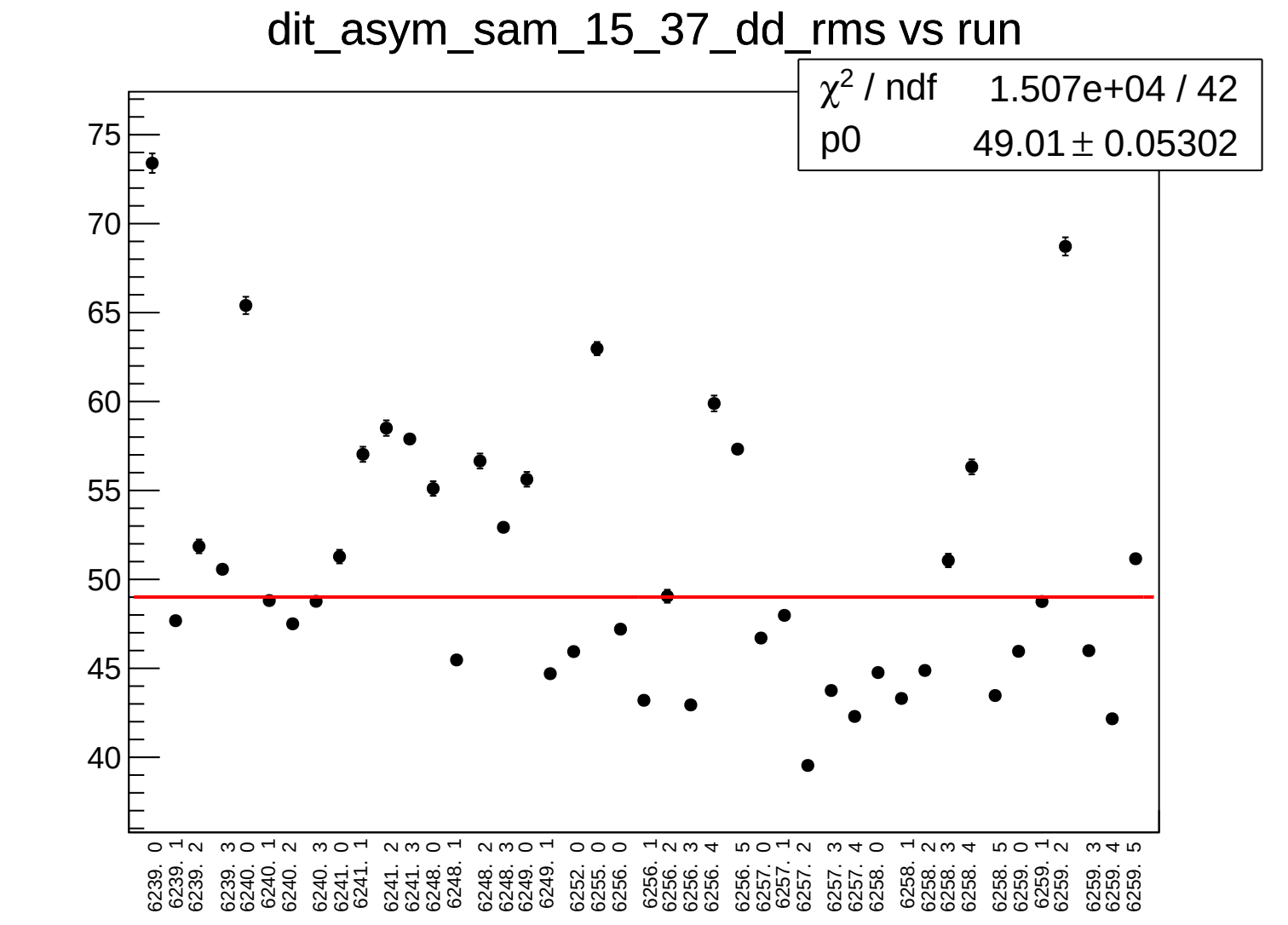

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.03 / 42
p0 885.2 ± 835.5
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 95.61
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.03795
Std Dev 0.8888
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5614 / 42
p0 549.1 ± 0.5908
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 35.8 / 42
p0 −117.1± 74.98
1000
500
0
−500
−1000
−1500
−2000
−2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −20.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.03852
Std Dev 0.9116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.507e+04 / 42
p0 49.01 ± 0.05302
75
70
65
60
55
50
45
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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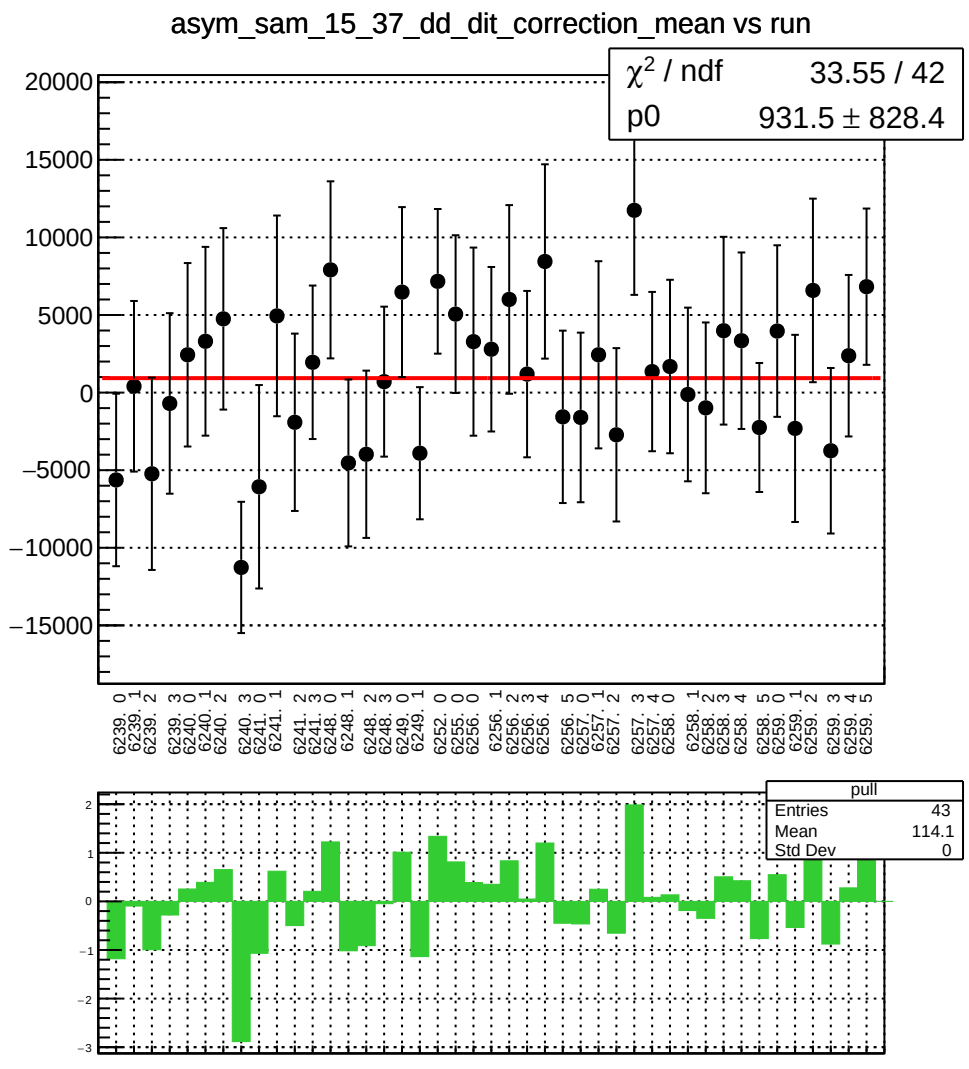
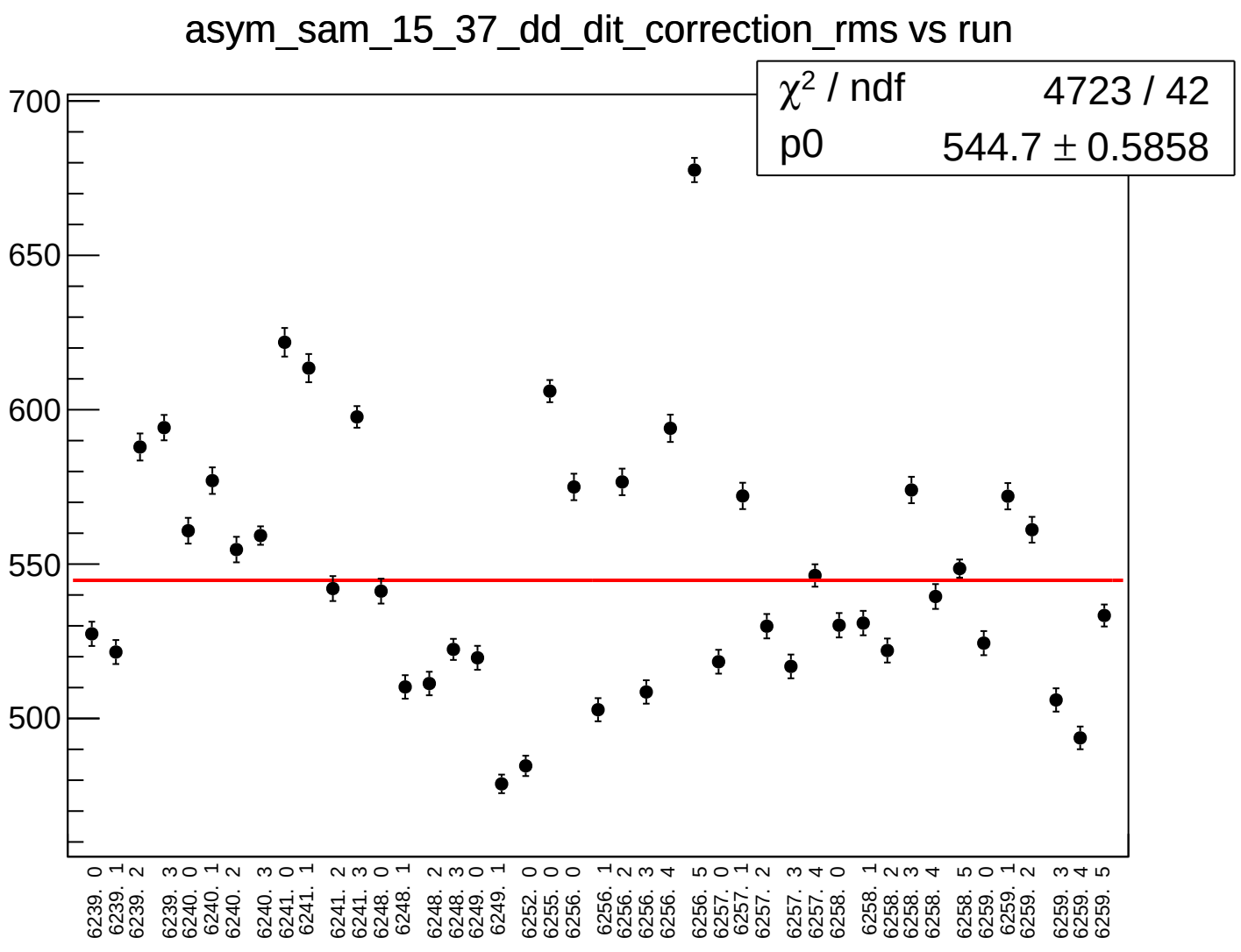
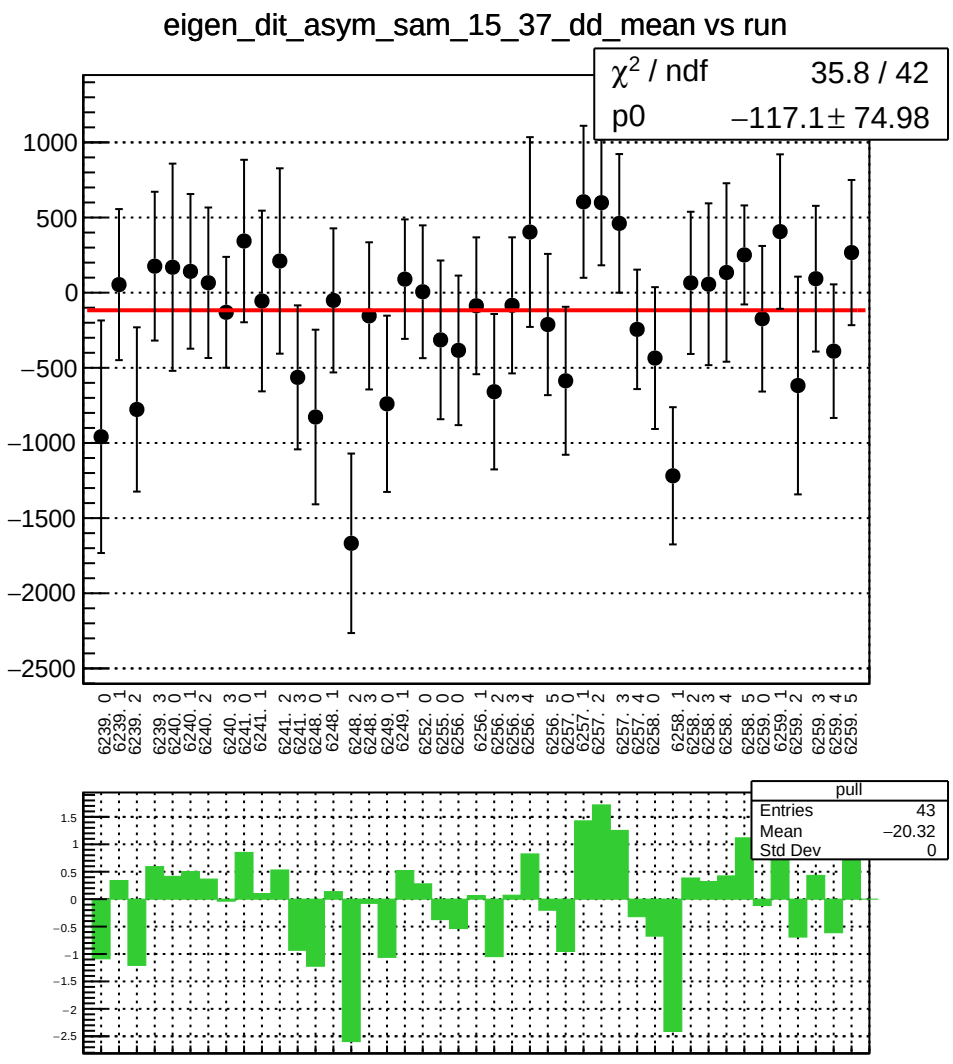
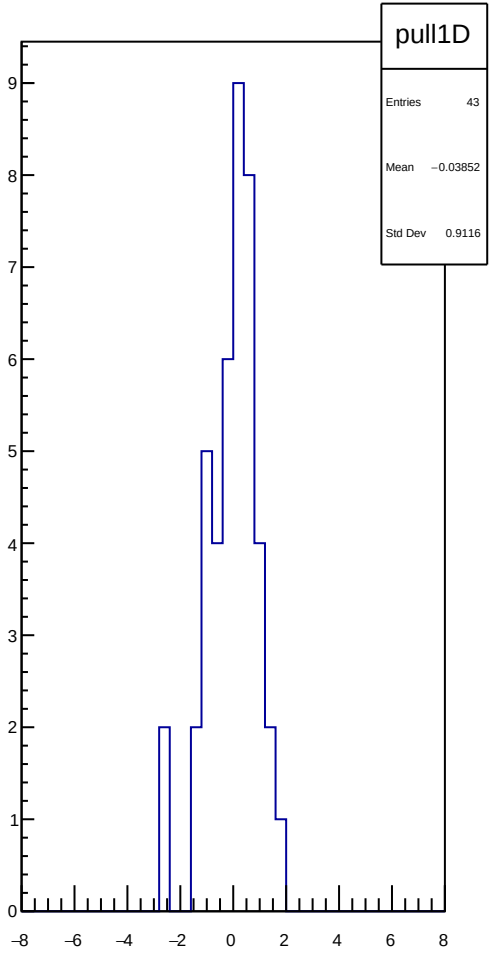
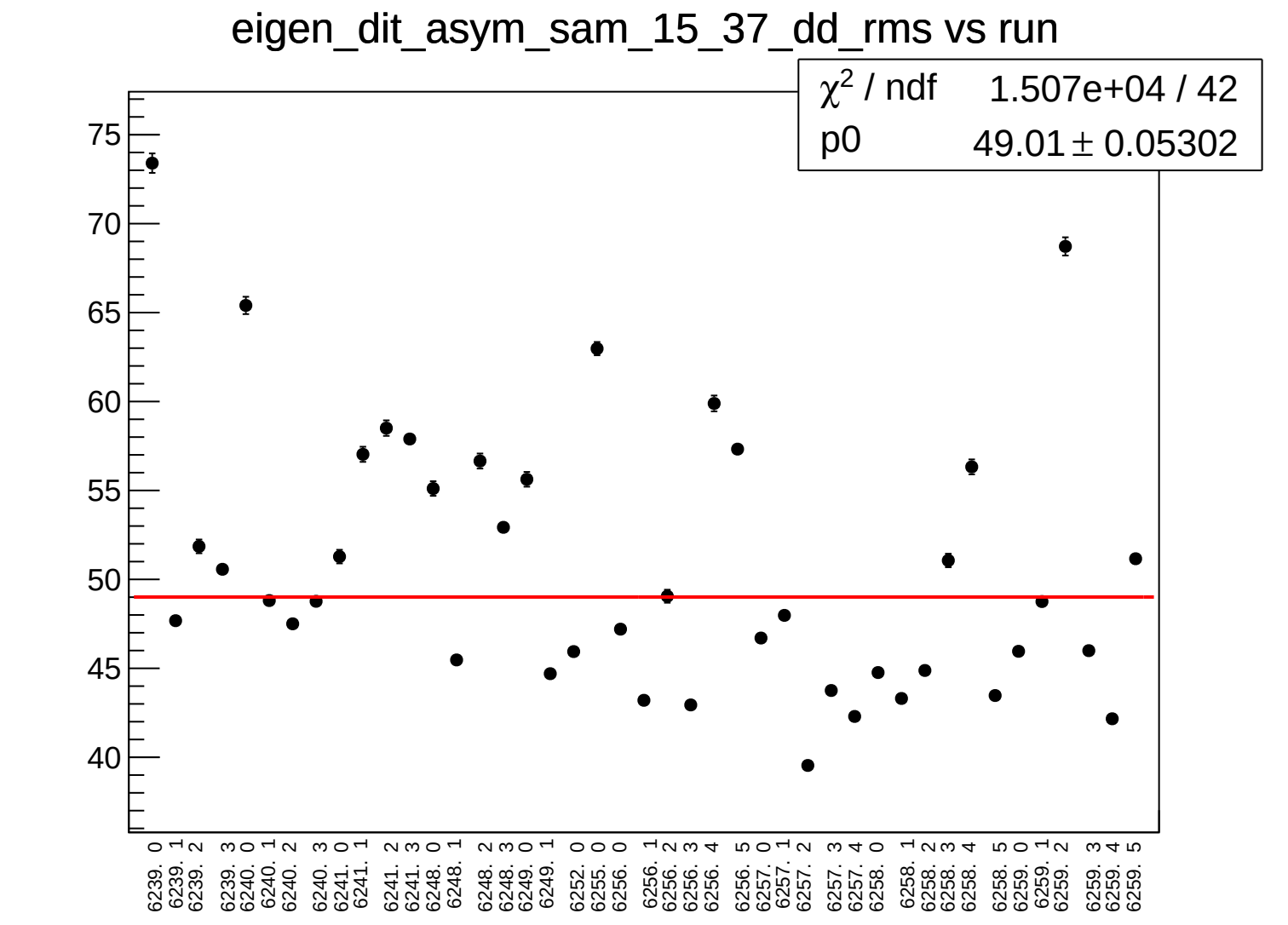
6259. 4
6259. 5

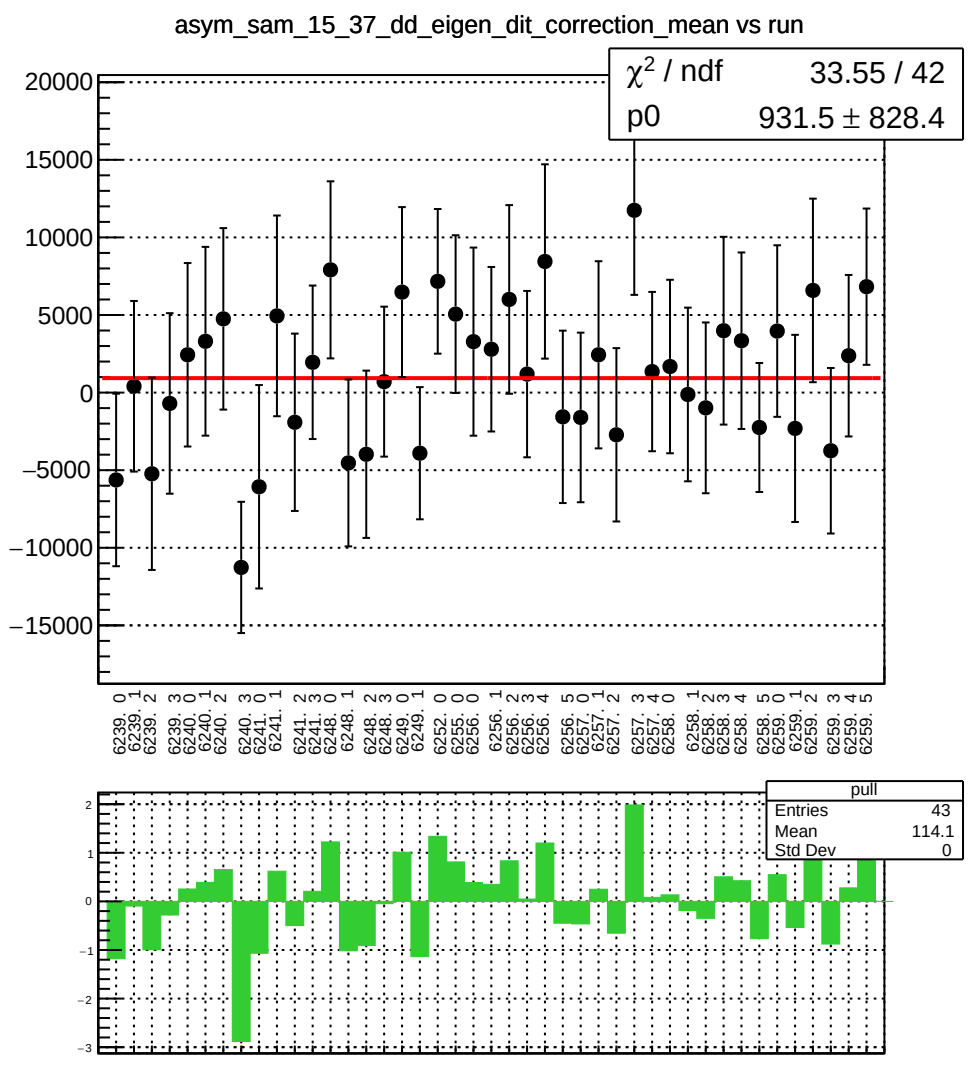

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 33.55 / 42
p0 931.5 ± 828.4
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02967
Std Dev 0.8829
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4723 / 42
p0 544.7 ± 0.5858
700
650
600
550
500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 35.8 / 42
p0 −117.1± 74.98
1000
500
0
−500
−1000
−1500
−2000
−2500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −20.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean −0.03852
Std Dev 0.9116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 1.507e+04 / 42
p0 49.01 ± 0.05302
75
70
65
60
55
50
45
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.55 / 42
p0 931.5 ± 828.4
20000
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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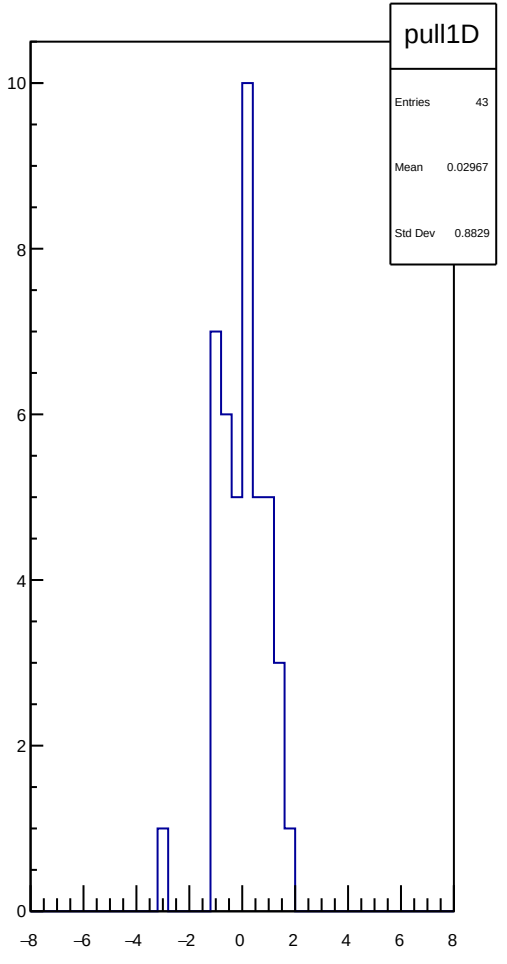
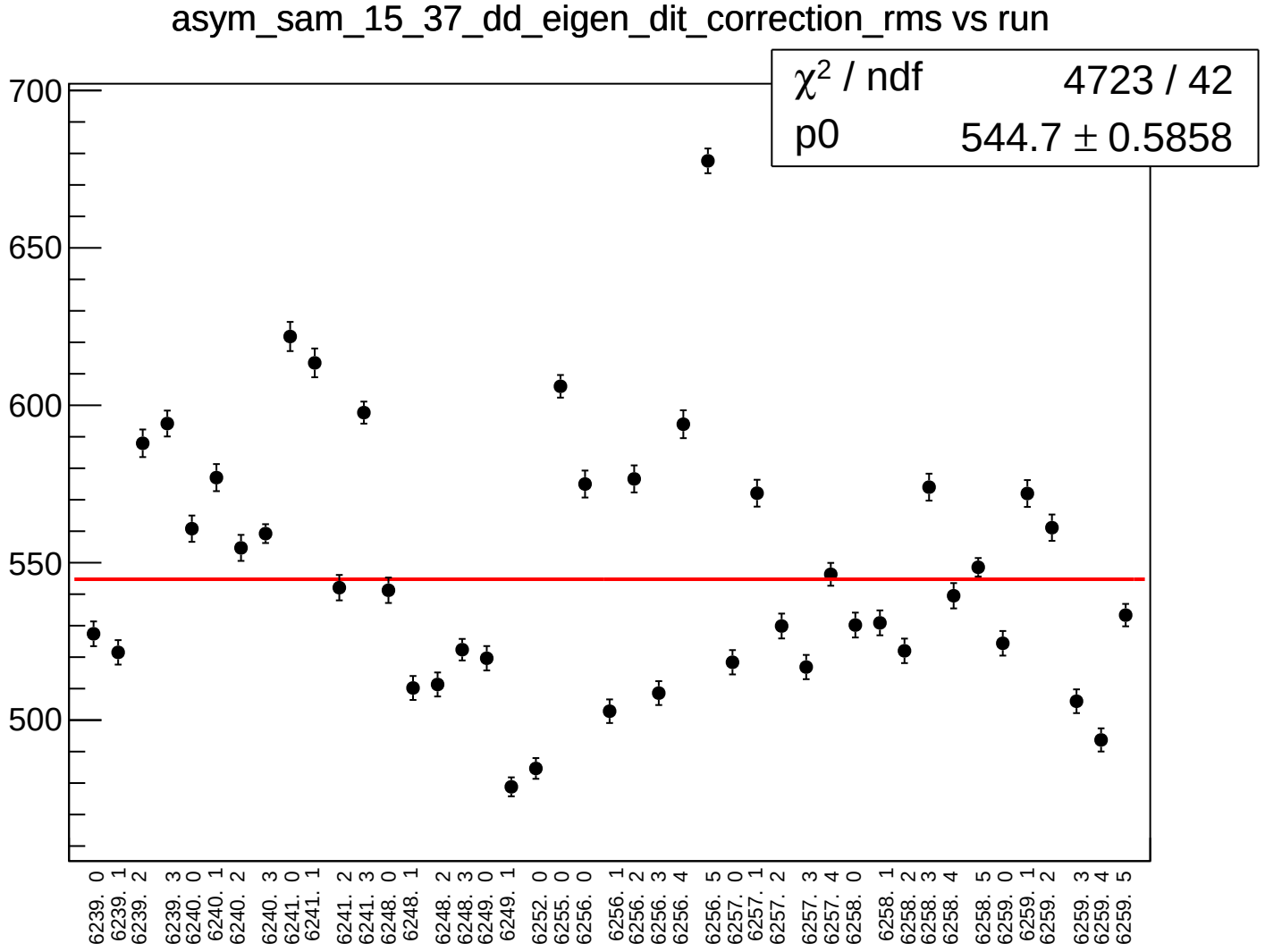
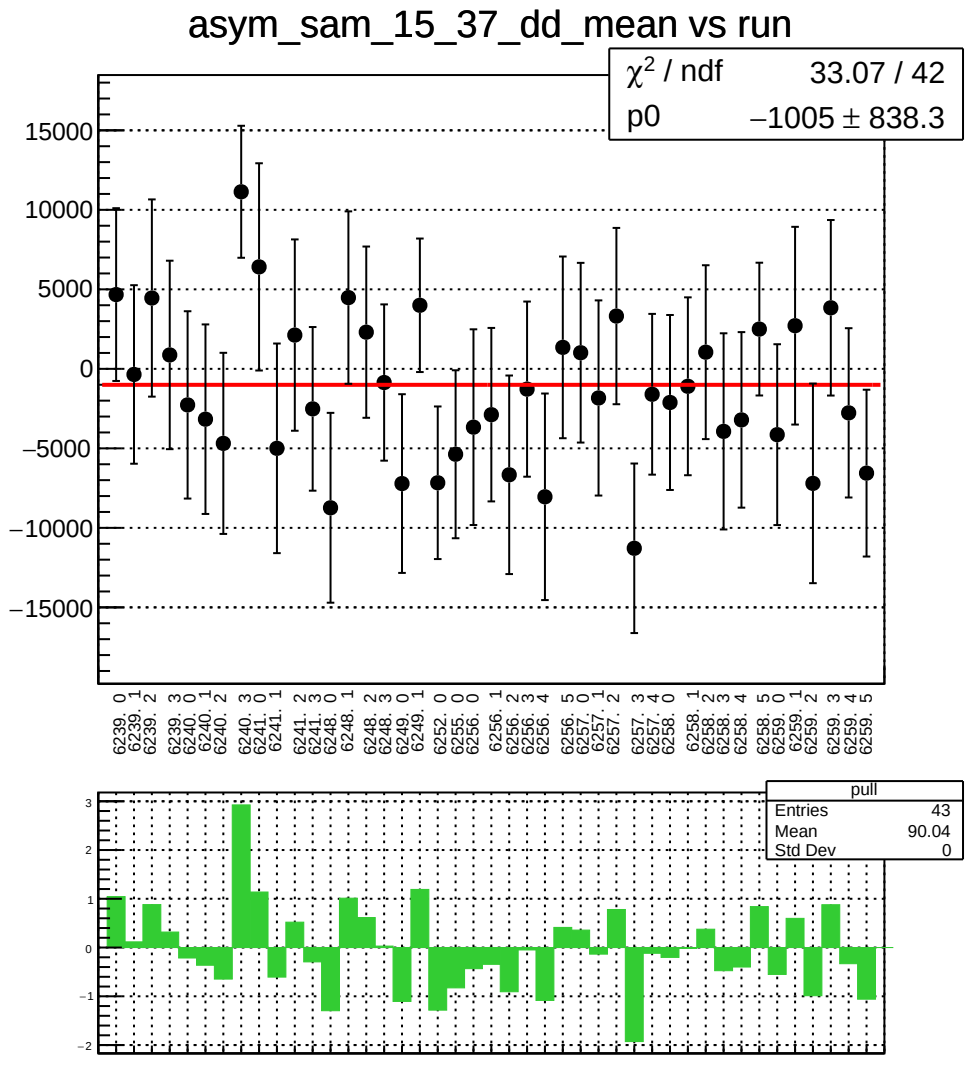
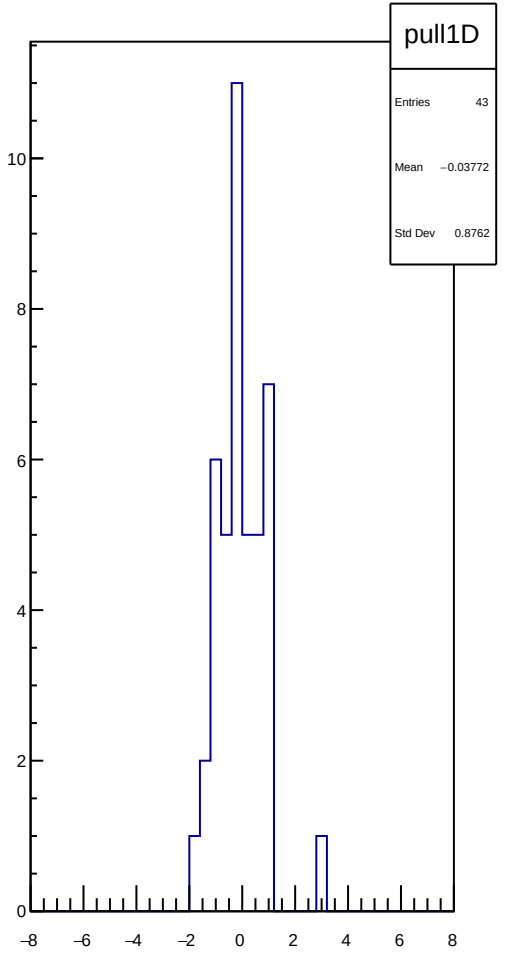
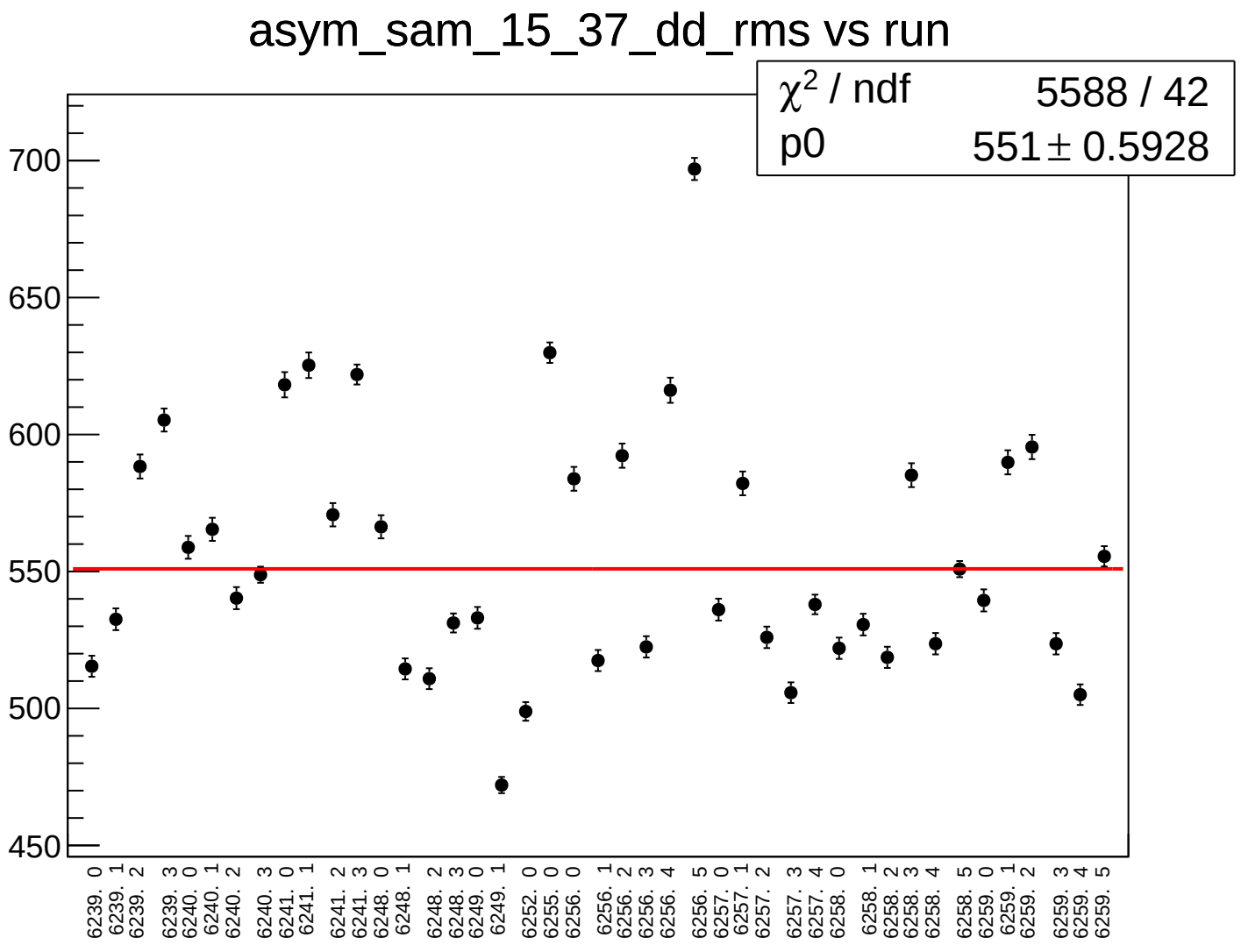
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.1
Std Dev 0
2
1
0
−1
−2
−3

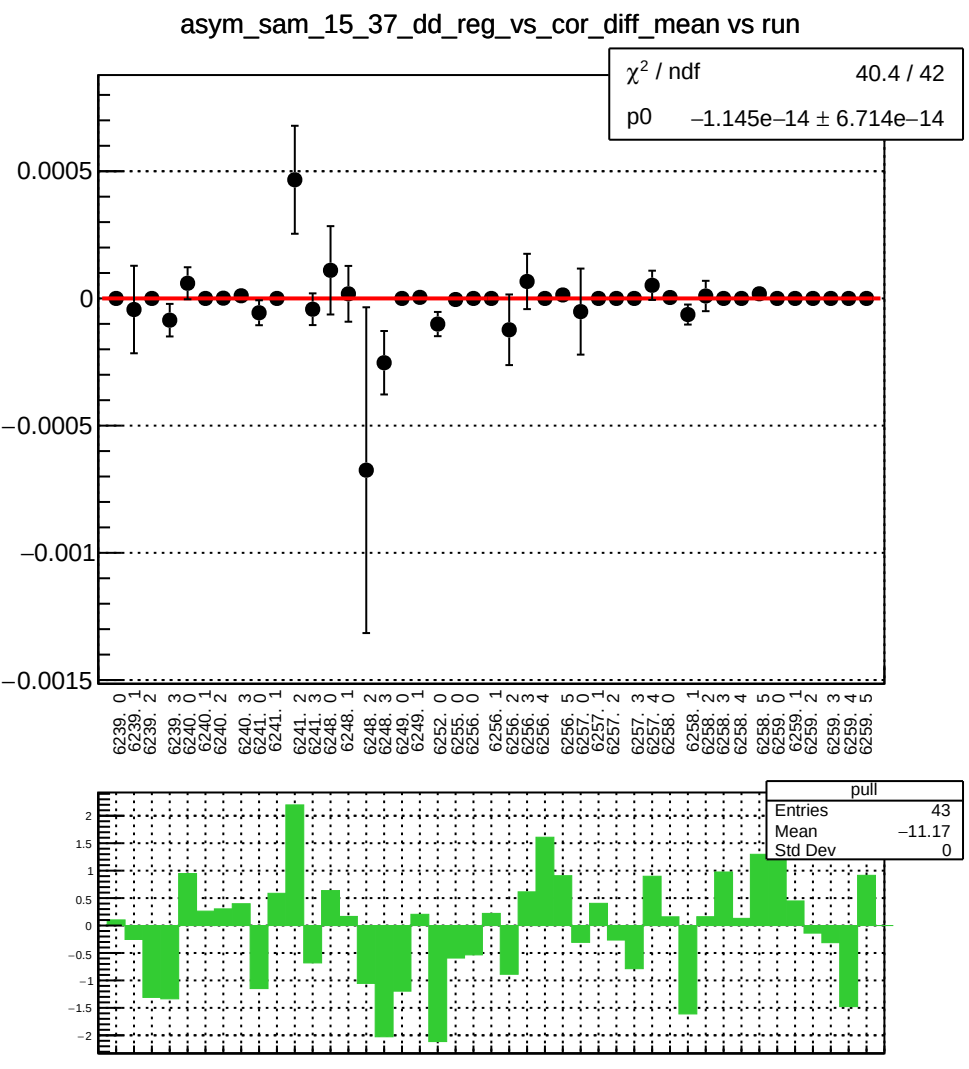

pull1D
Entries 43
Mean 0.02967
Std Dev 0.8829
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

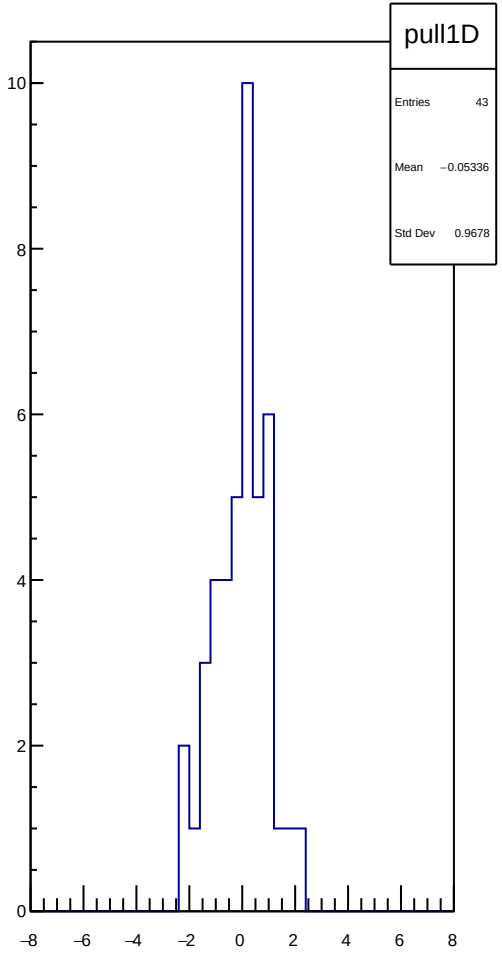

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4723 / 42
p0 544.7 ± 0.5858
700
650
600
550
500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

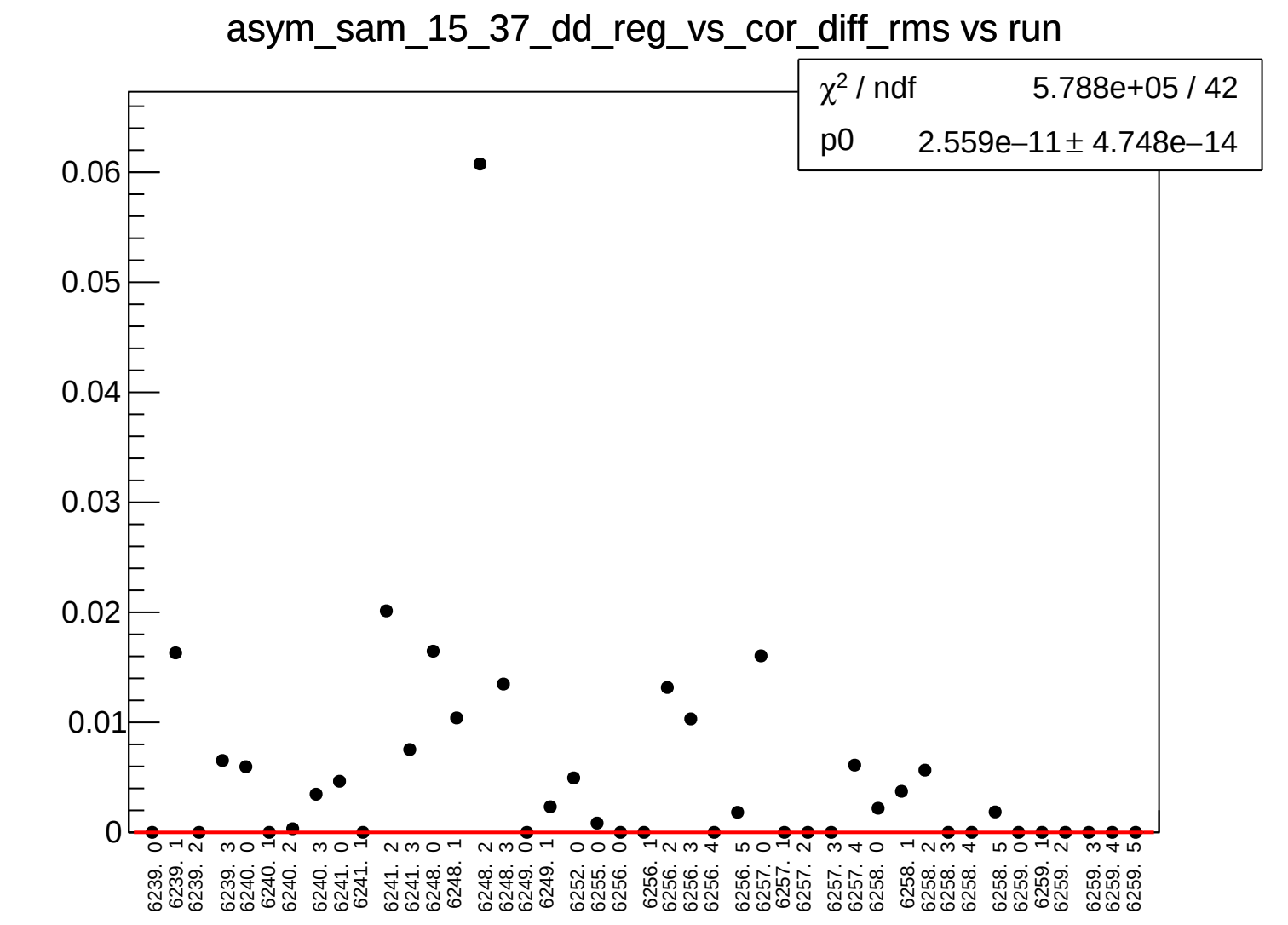

asym_sam_15_37_dd_mean vs run
χ² / ndf 33.07 / 42
p0 −1005 ± 838.3
15000
10000
5000
0
−5000
−10000
−15000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 90.04
Std Dev 0
3
2
1
0
−1
−2

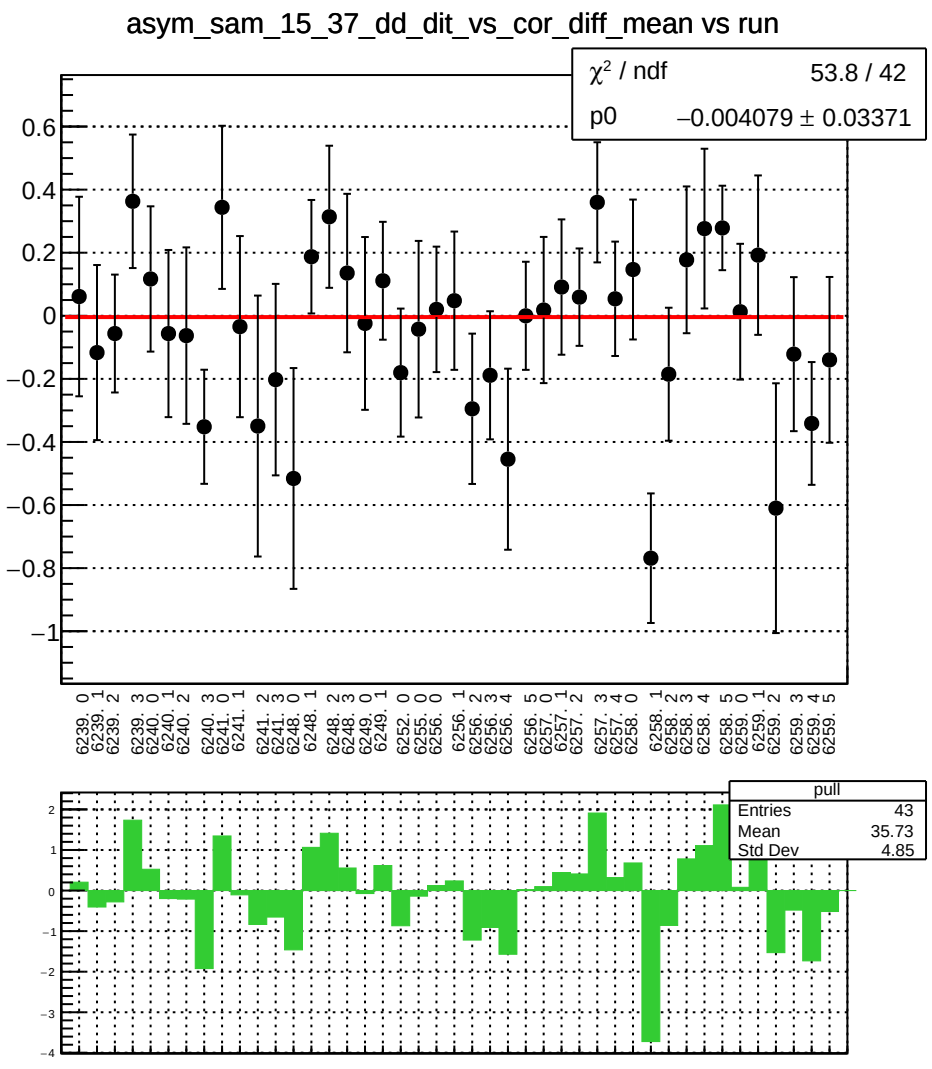

pull1D
Entries 43
Mean −0.03772
Std Dev 0.8762
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

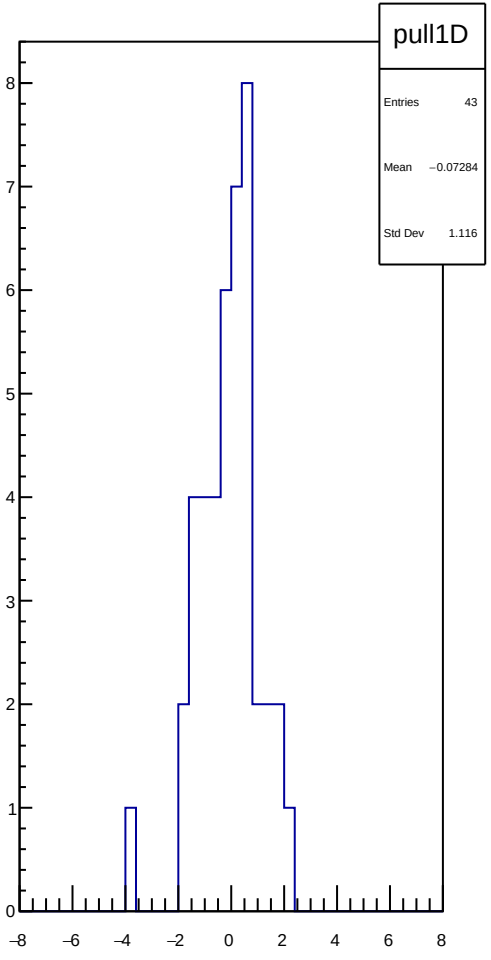

asym_sam_15_37_dd_rms vs run
χ² / ndf 5588 / 42
p0 551 ± 0.5928
700
650
600
550
500
450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

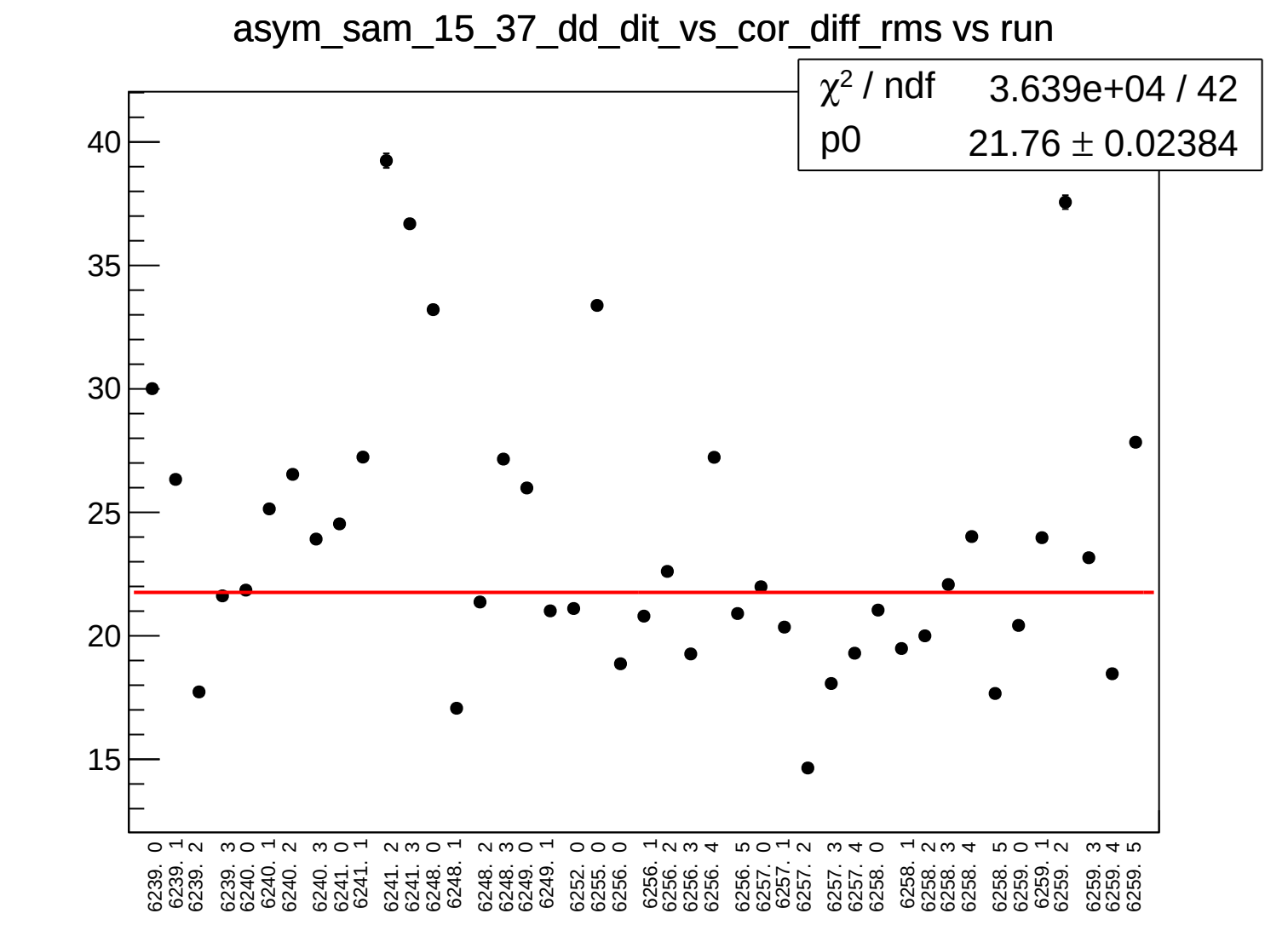

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.4 / 42
p0 −1.145e−14 ± 6.714e−14
0.0005
0
−0.0005
−0.001
−0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −11.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

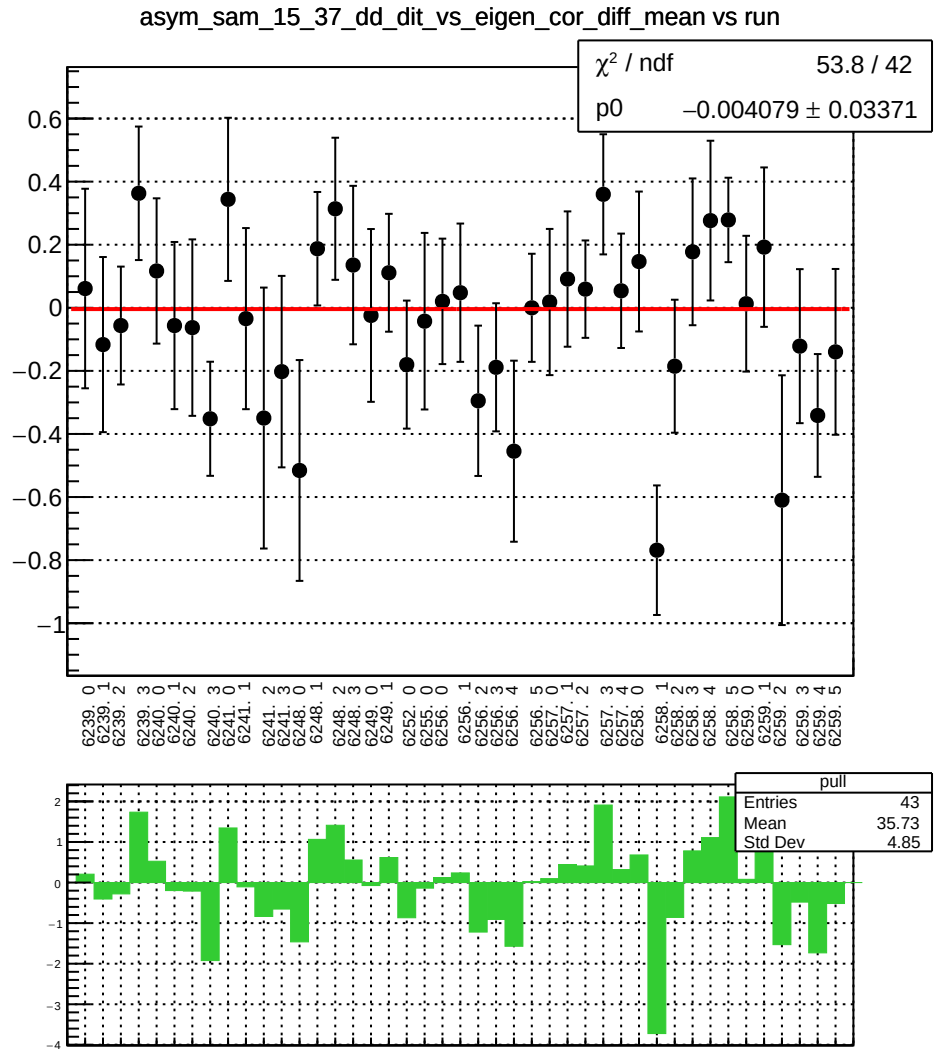

pull1D
Entries 43
Mean −0.05336
Std Dev 0.9678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

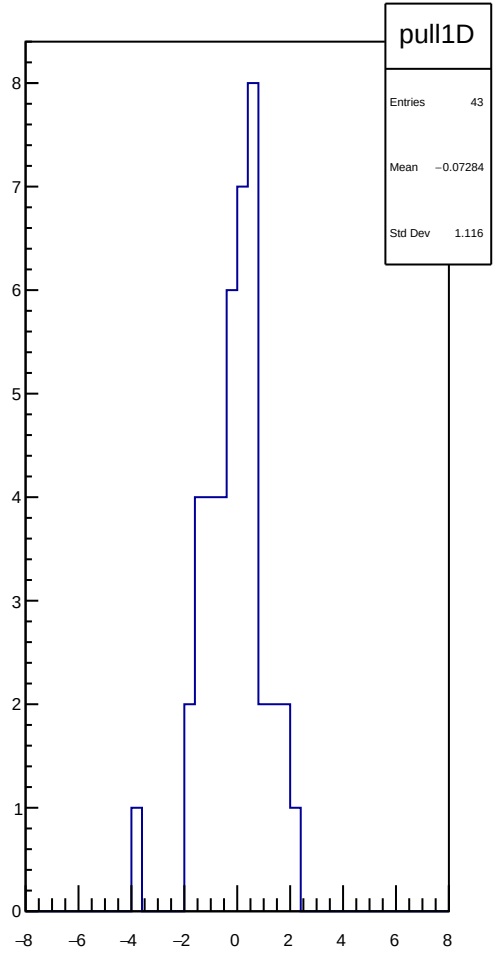

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.788e+05 / 42
p0 2.559e−11 ± 4.748e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

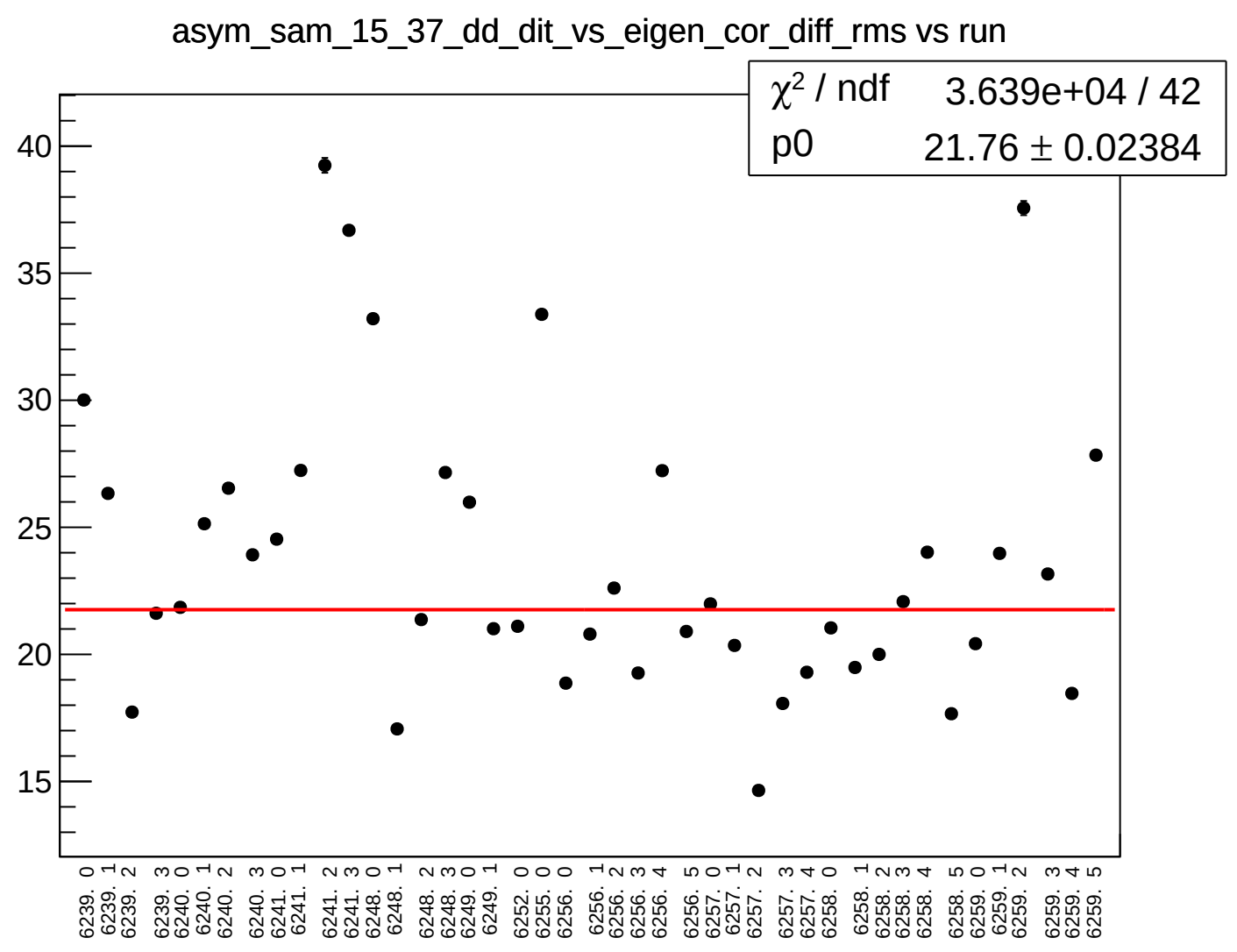

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.8 / 42
p0 −0.004079 ± 0.03371
pull
Entries 43
Mean 35.73
Std Dev 4.85

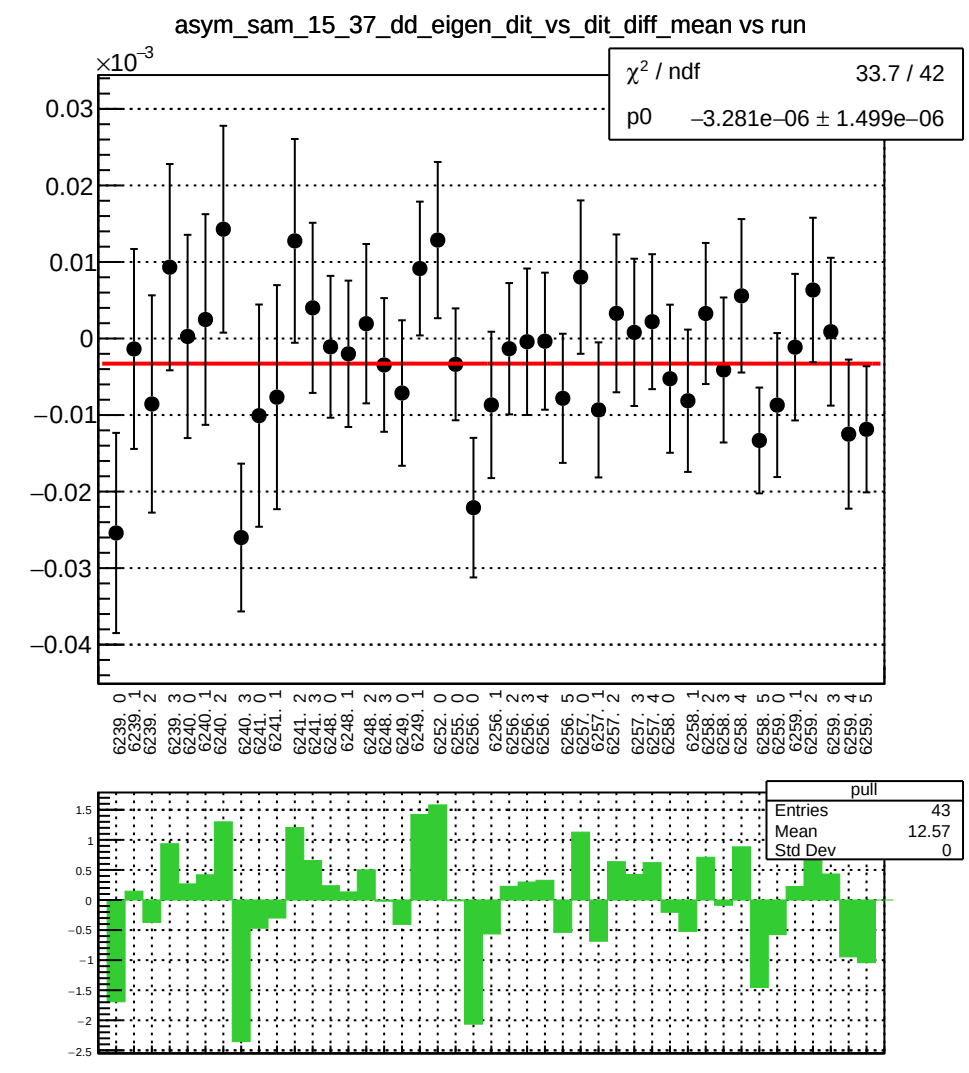

pull1D
Entries 43
Mean −0.07284
Std Dev 1.116

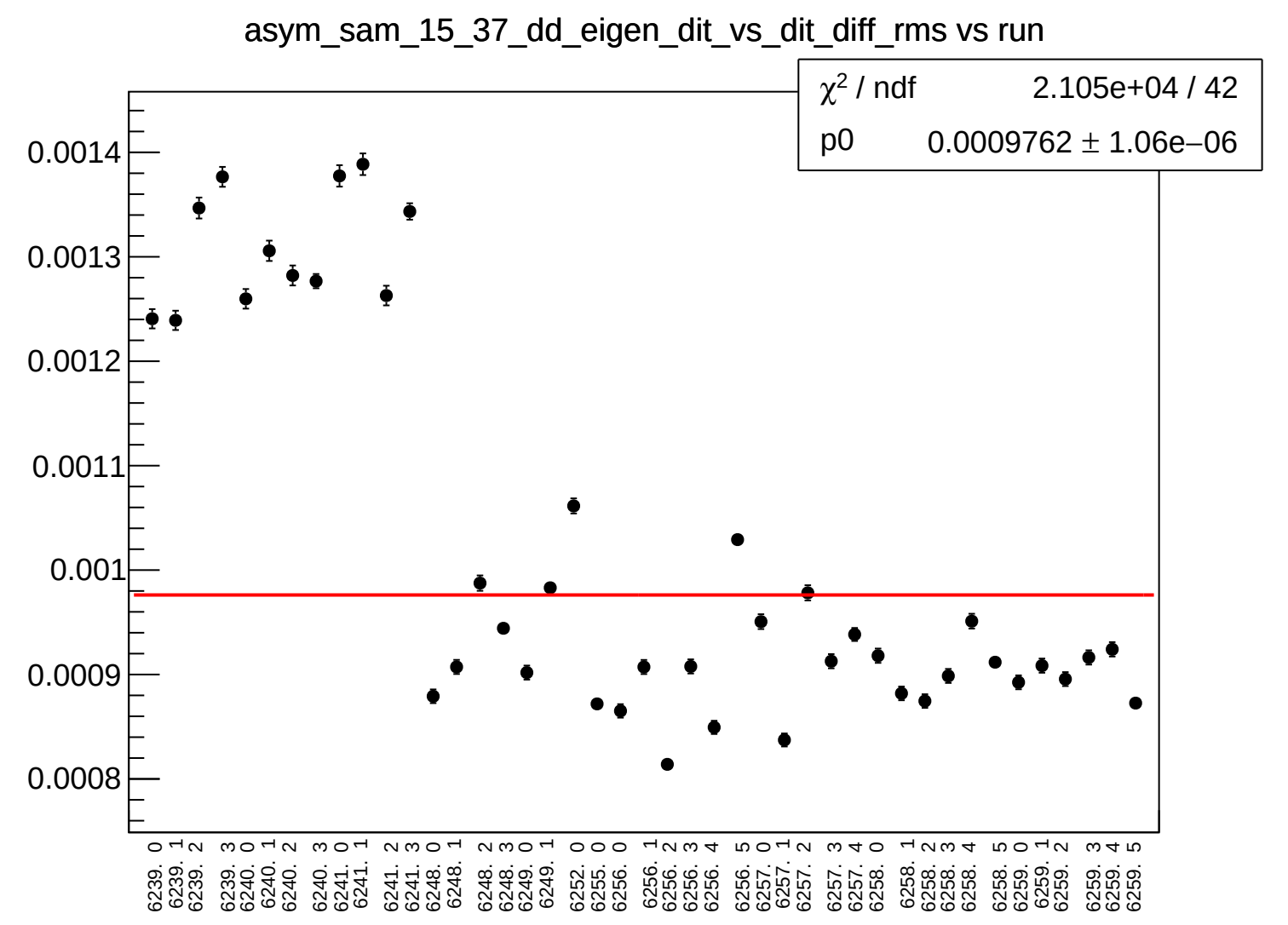

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.639e+04 / 42
p0 21.76 ± 0.02384
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

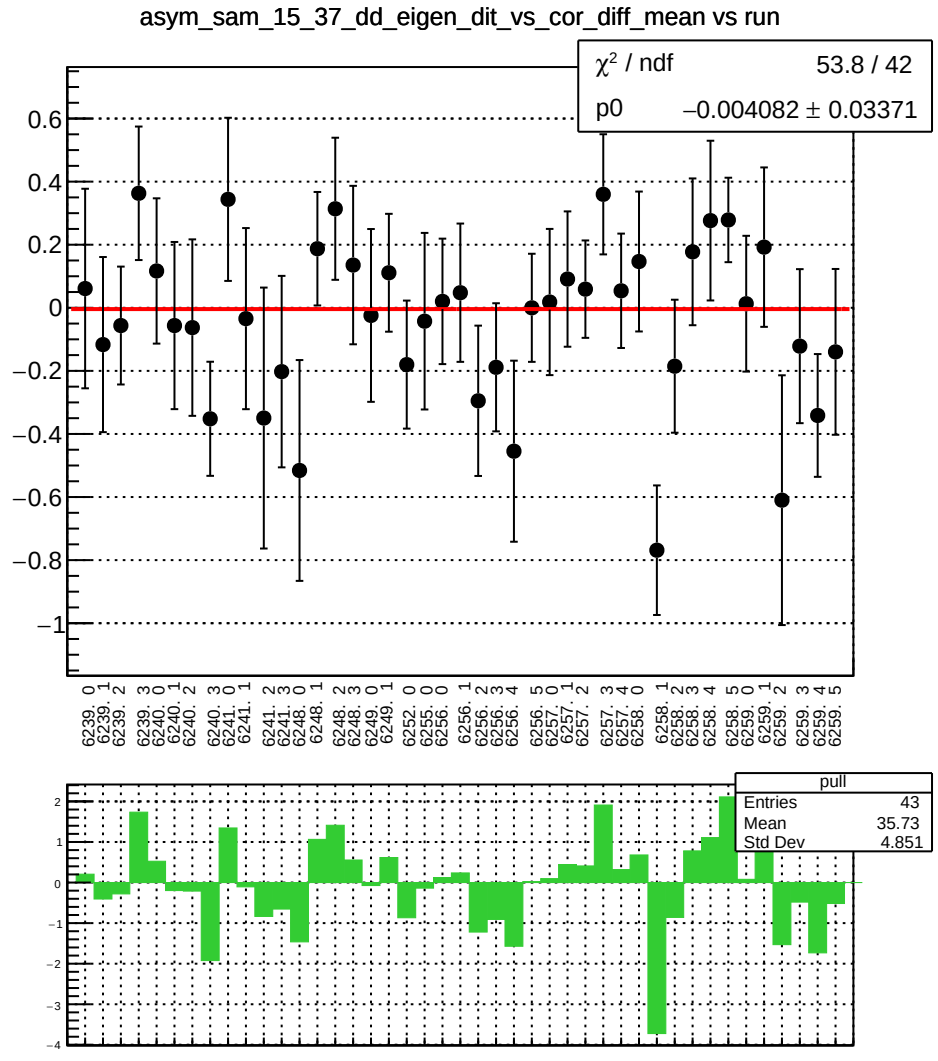

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.8 / 42
p0 −0.004079 ± 0.03371
pull
Entries 43
Mean 35.73
Std Dev 4.85

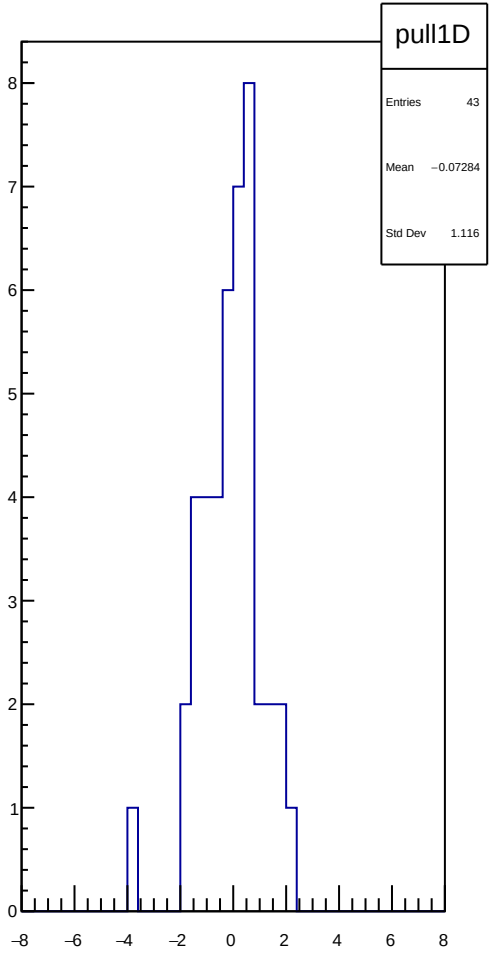

pull1D
Entries 43
Mean −0.07284
Std Dev 1.116

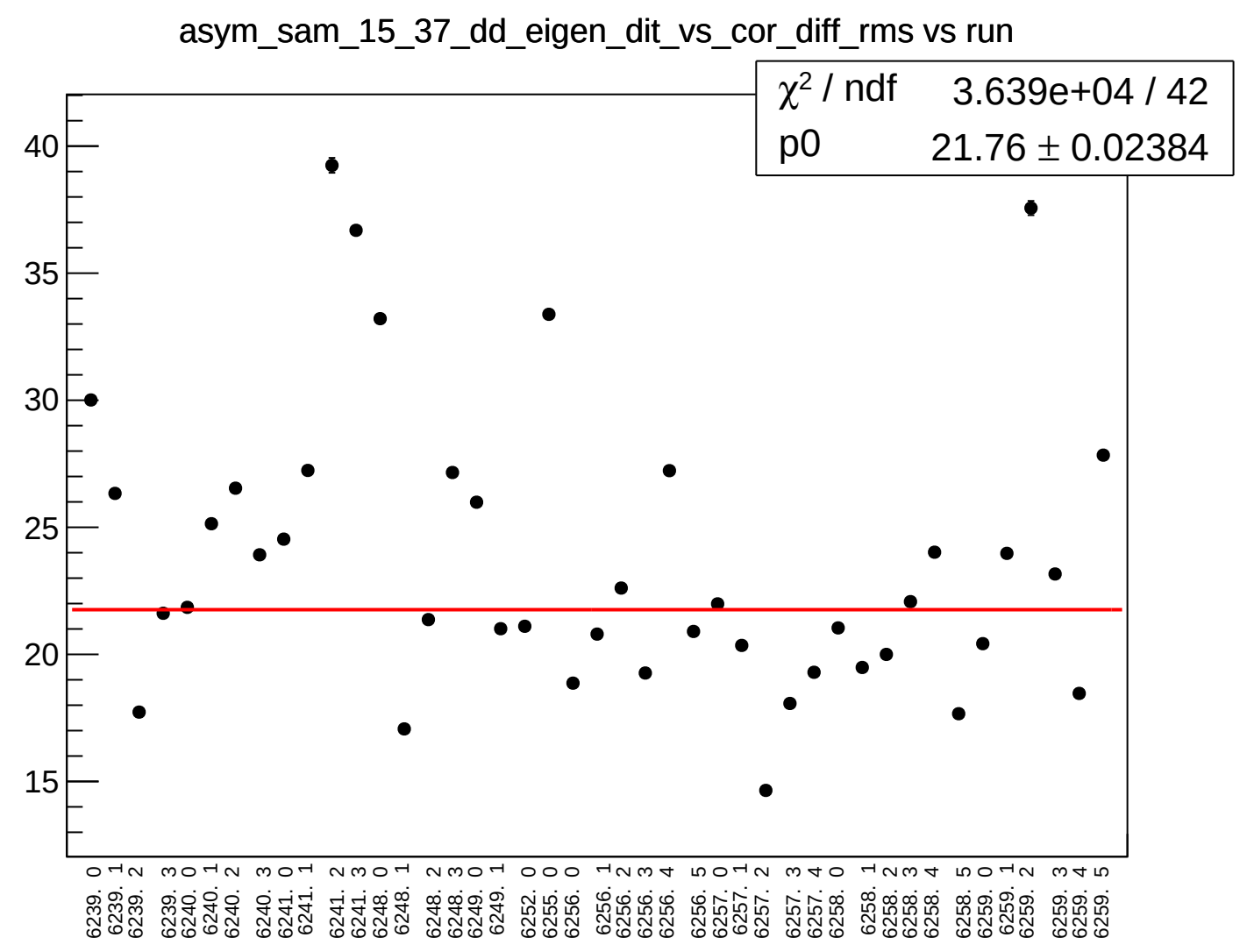

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.639e+04 / 42
p0 21.76 ± 0.02384
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.7 / 42
p0 −3.281e−06 ± 1.499e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03338
Std Dev 0.8847
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

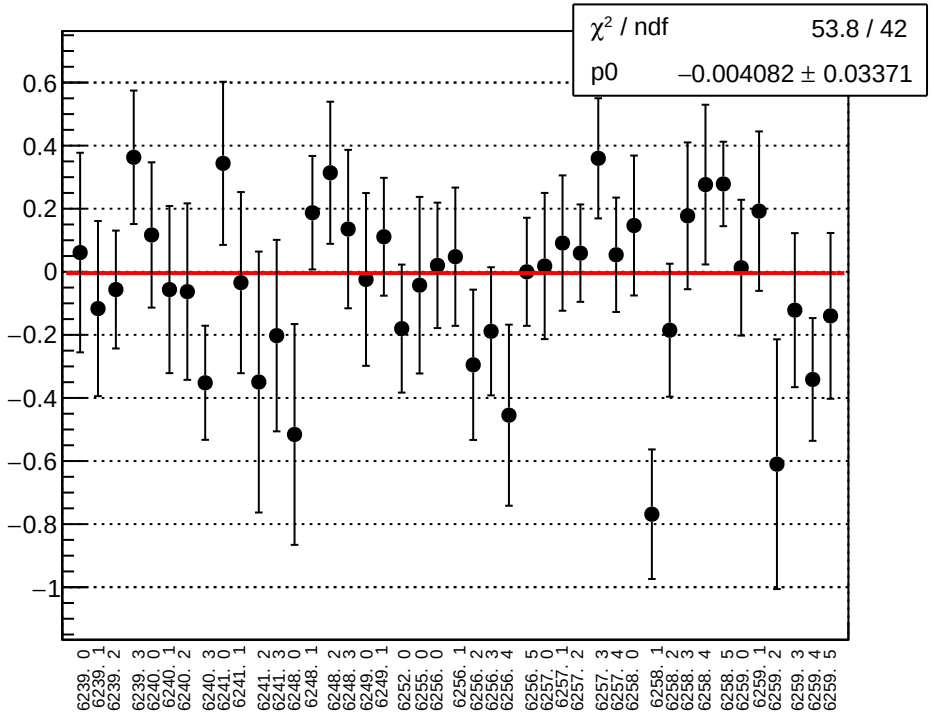

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.105e+04 / 42
p0 0.0009762 ± 1.06e−06
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

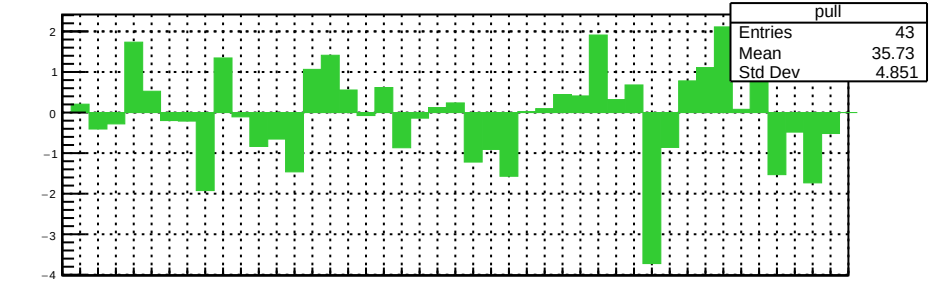

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.8 / 42
p0 −0.004082 ± 0.03371
pull
Entries 43
Mean 35.73
Std Dev 4.851

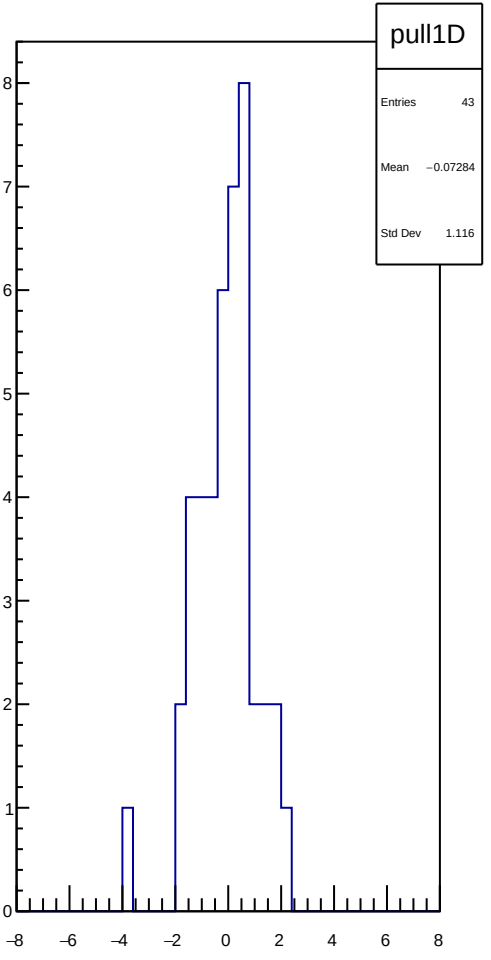

pull1D
Entries 43
Mean −0.07284
Std Dev 1.116

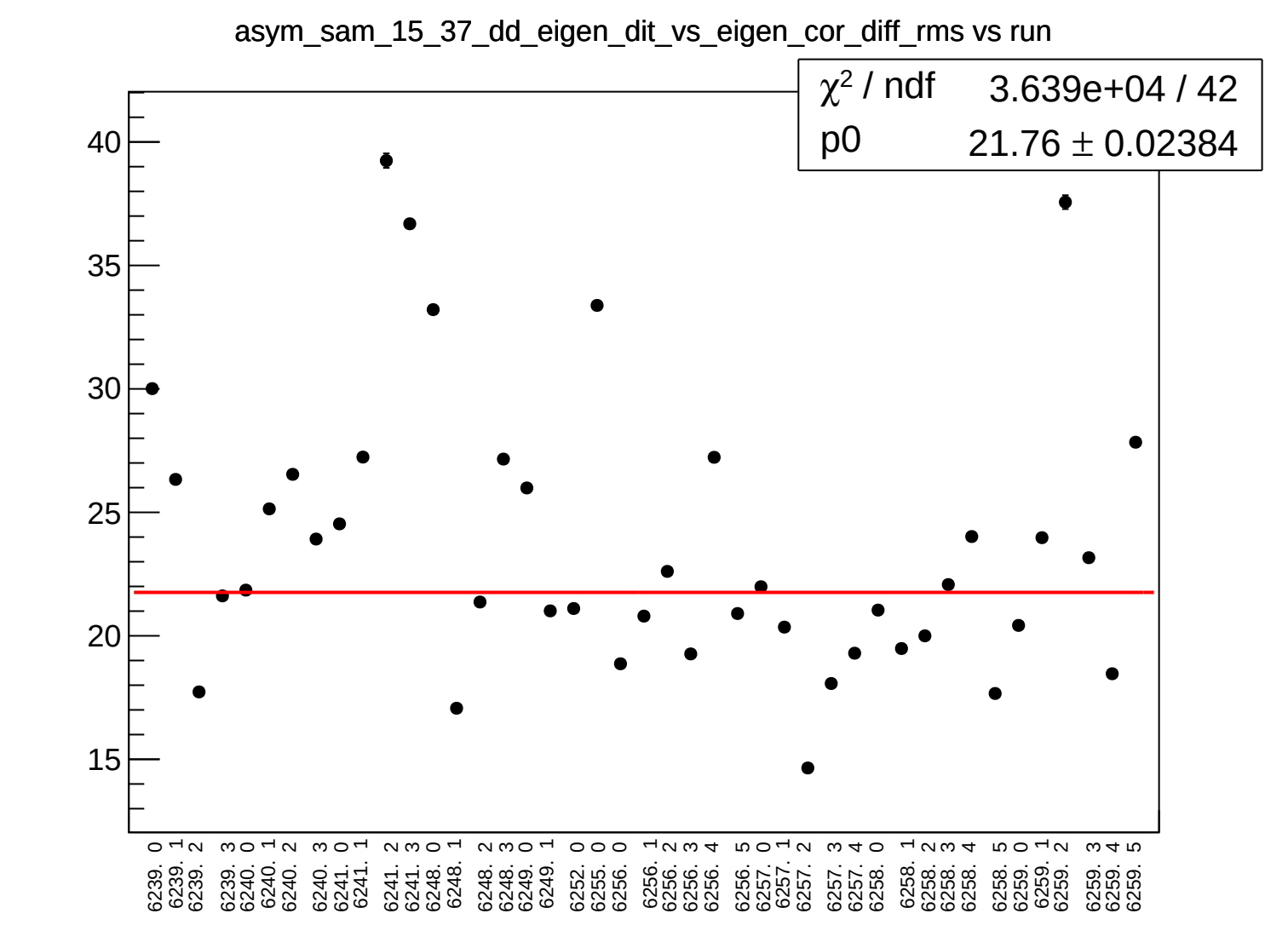

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.639e+04 / 42
p0 21.76 ± 0.02384
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

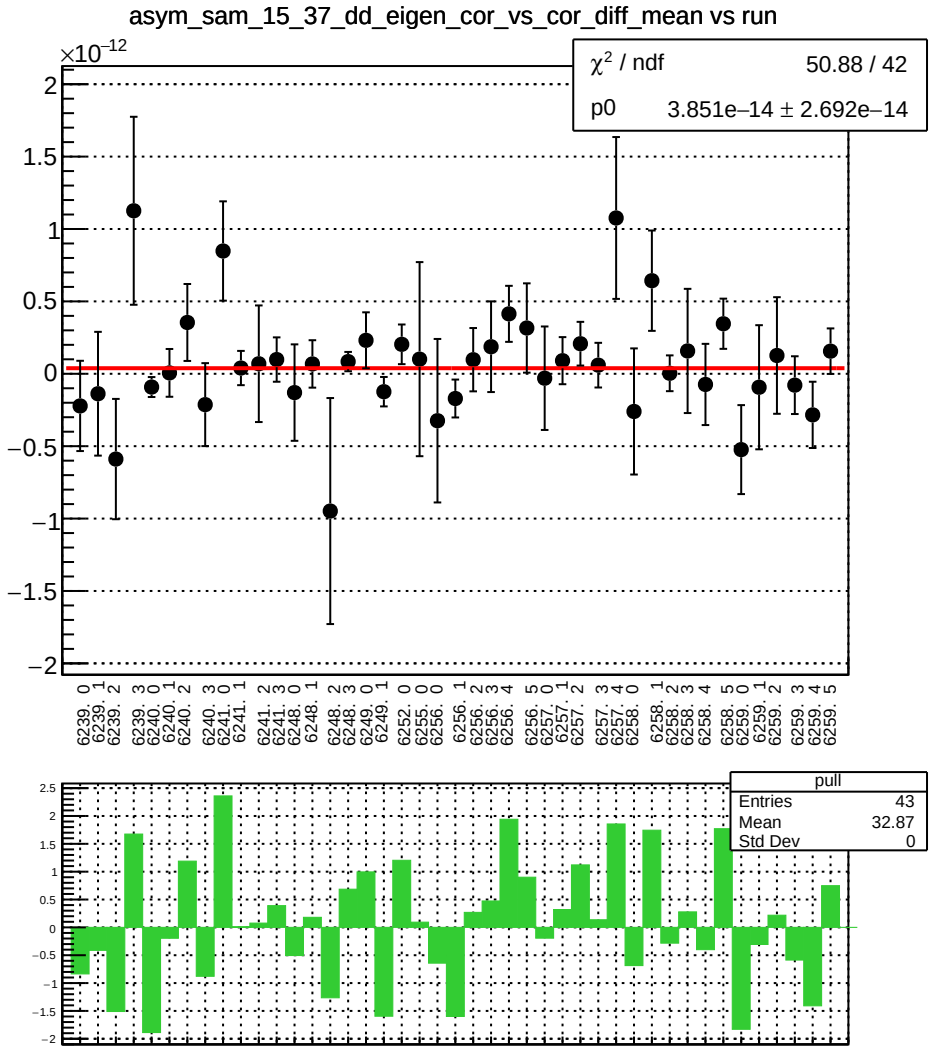
asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

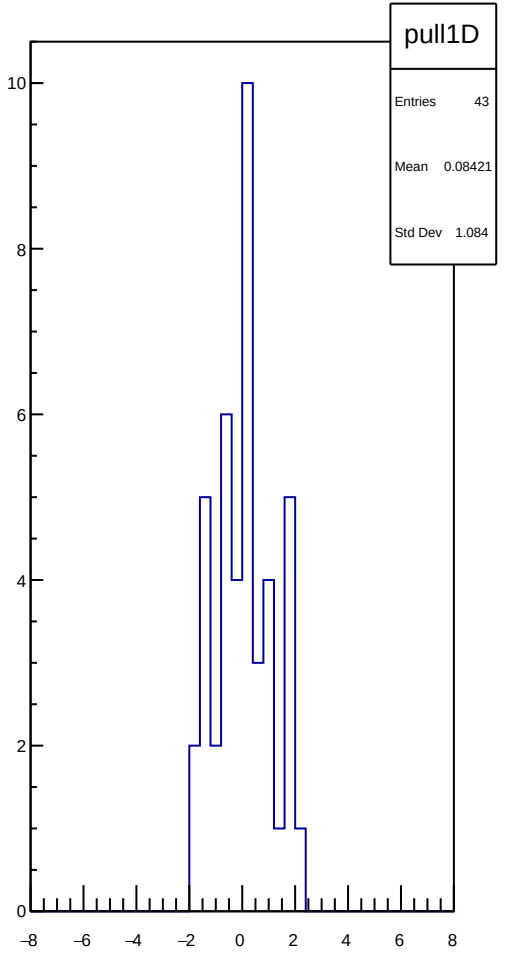


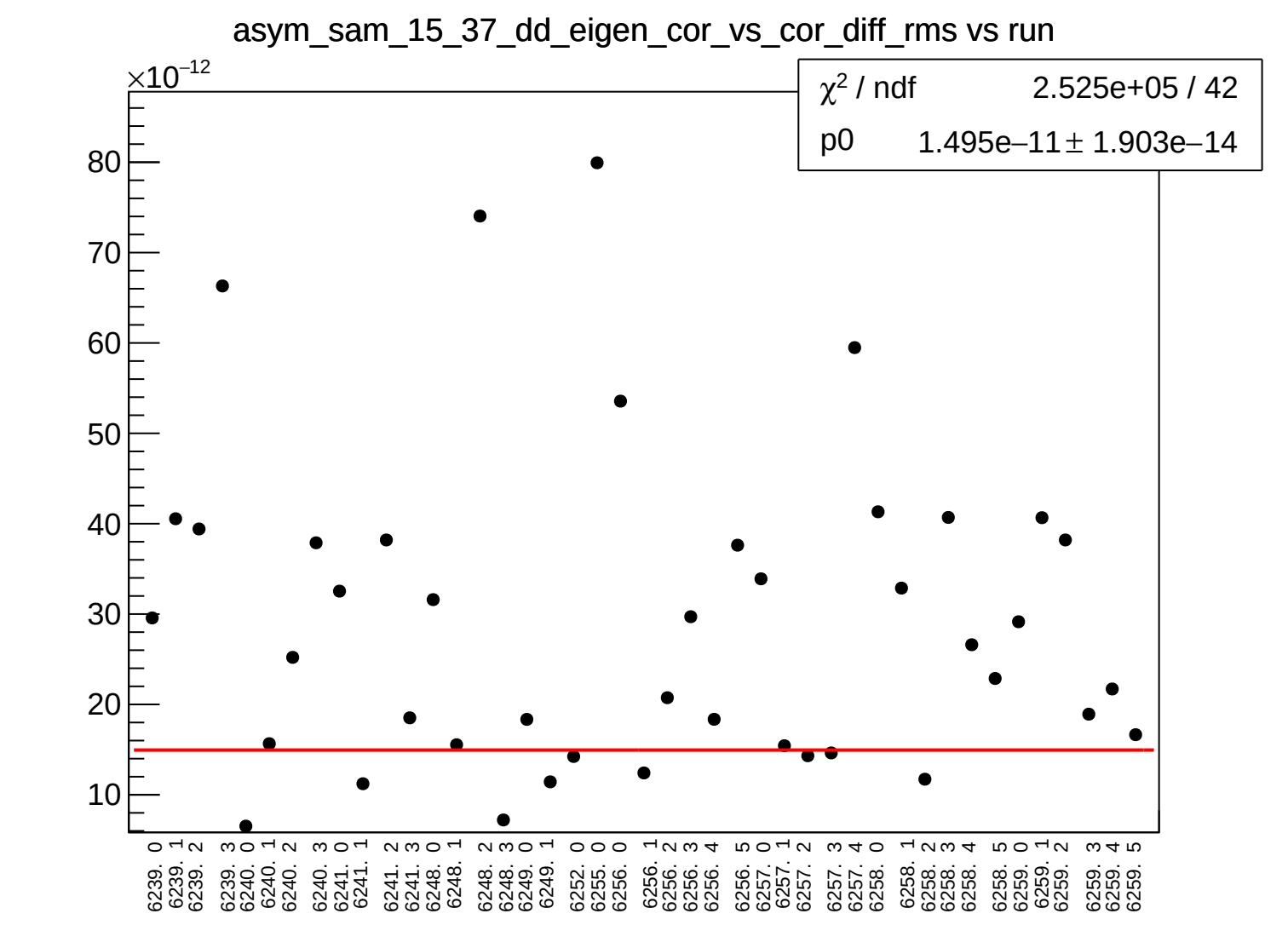



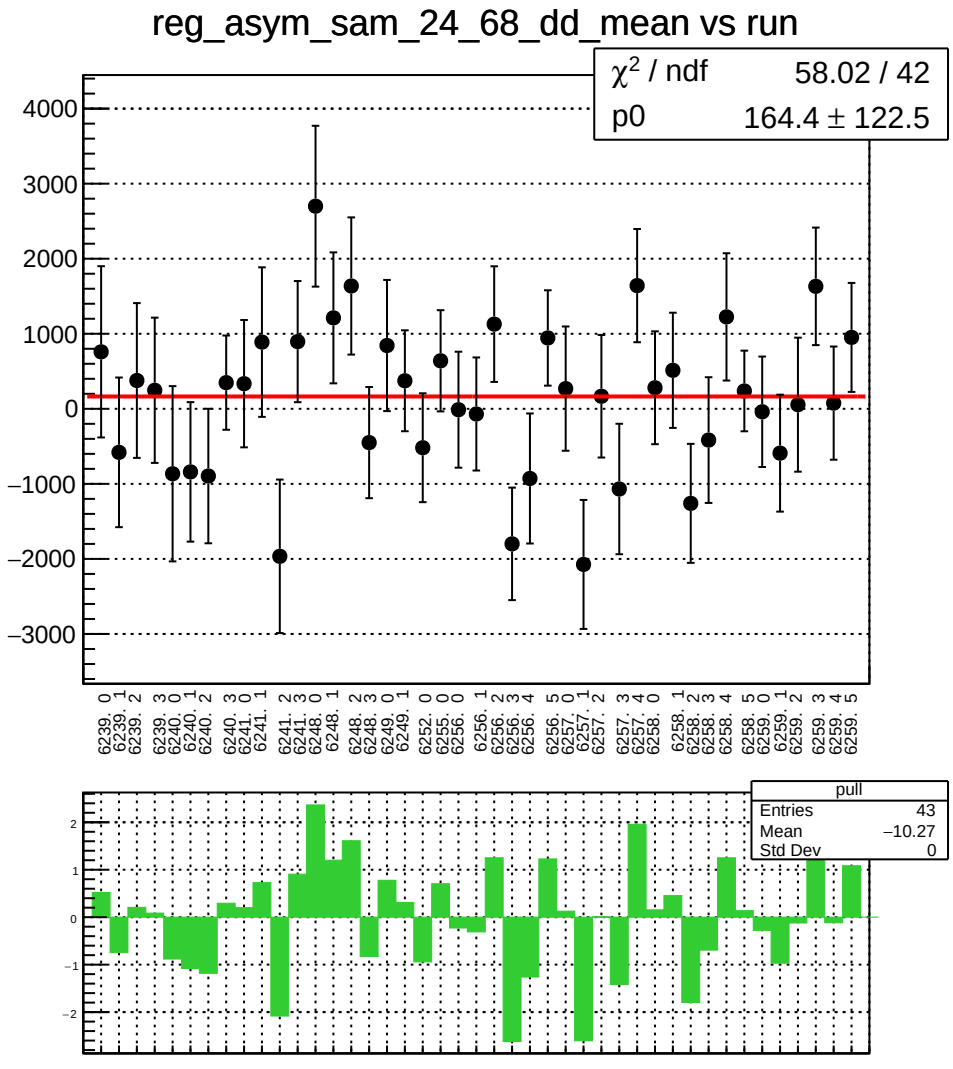



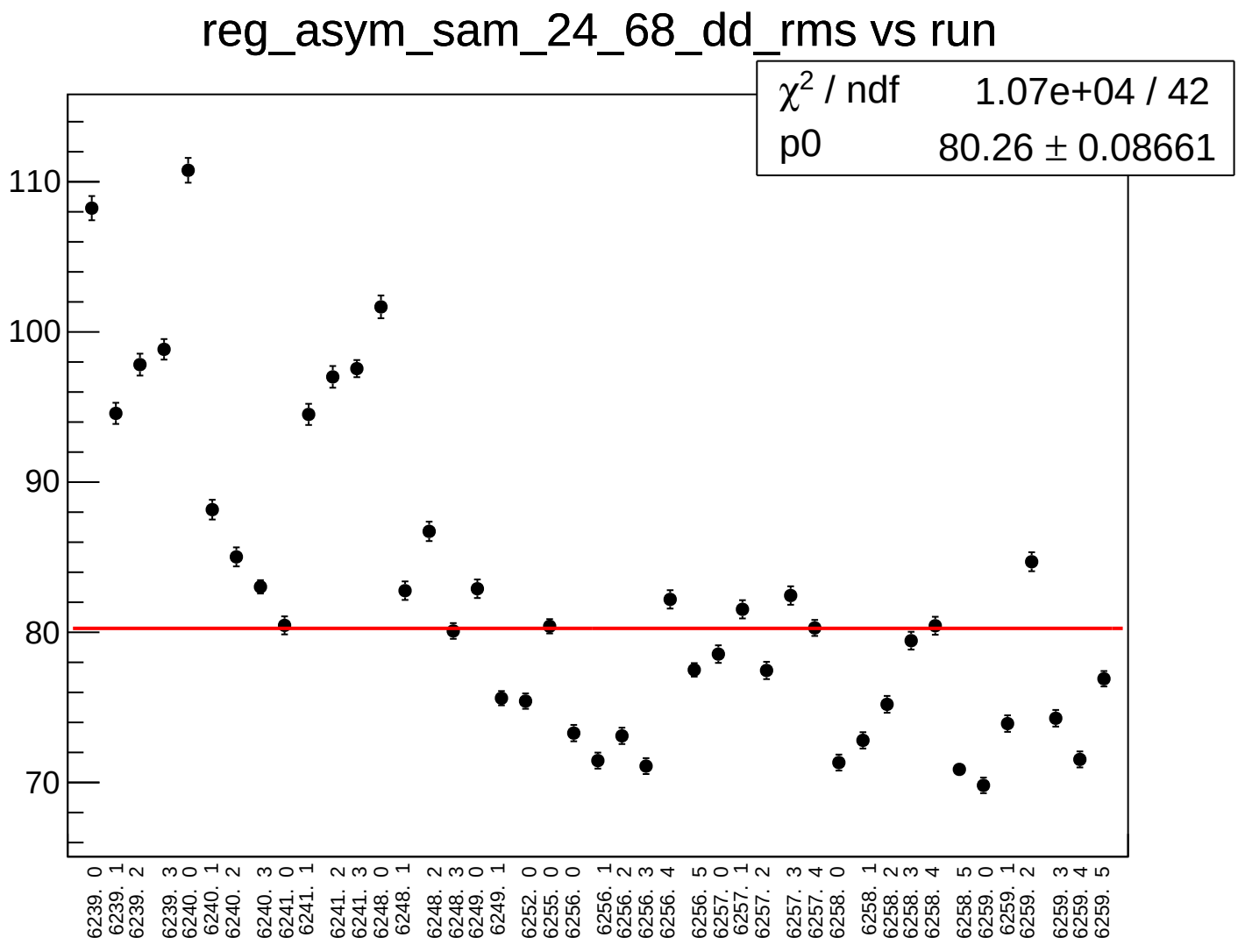

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.639e+04 / 42
p0 21.76 ± 0.02384
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 50.88 / 42
p0 3.851e−14 ± 2.692e−14
pull
Entries 43
Mean 32.87
Std Dev 0


pull1D
Entries 43
Mean 0.08421
Std Dev 1.084


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 2.525e+05 / 42
p0 1.495e−11 ± 1.903e−14
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 58.02 / 42
p0 164.4 ± 122.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −10.27
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01696
Std Dev 1.161
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.07e+04 / 42
p0 80.26 ± 0.08661
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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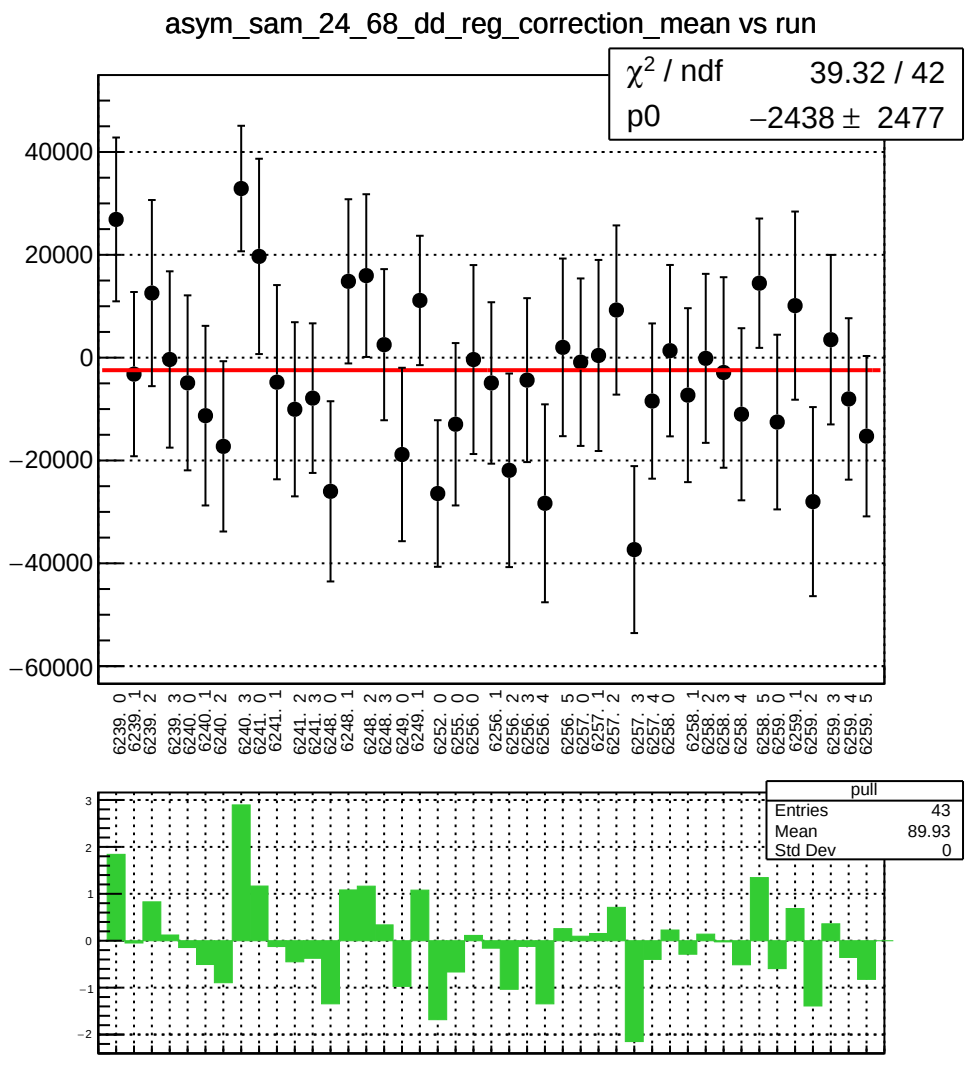
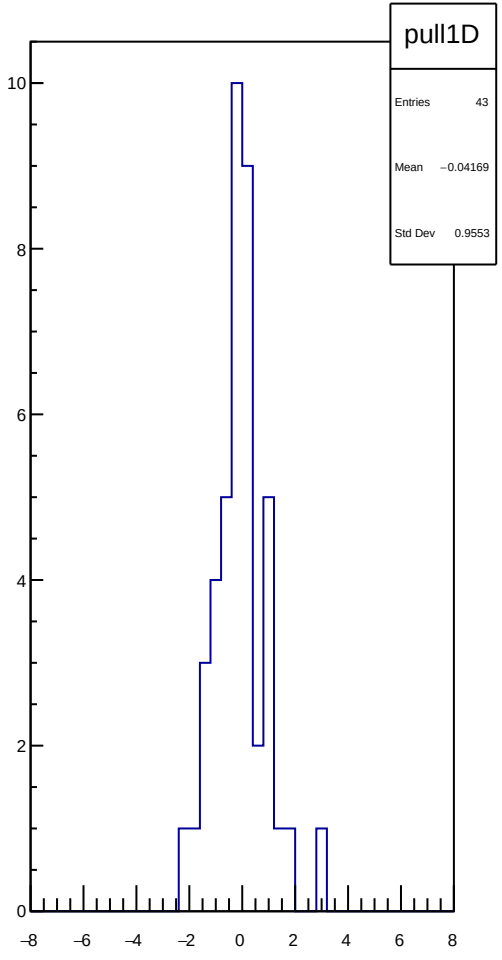
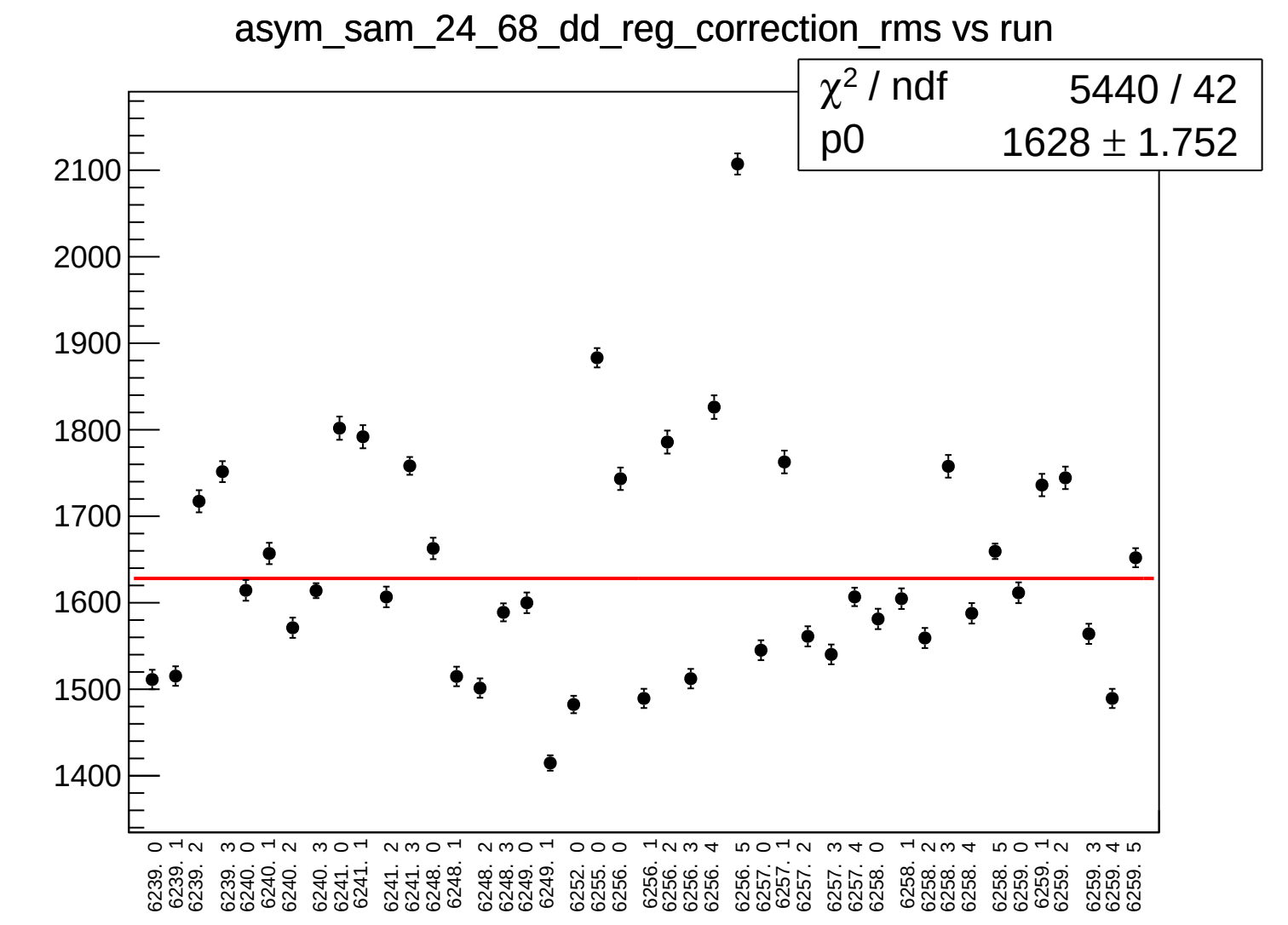
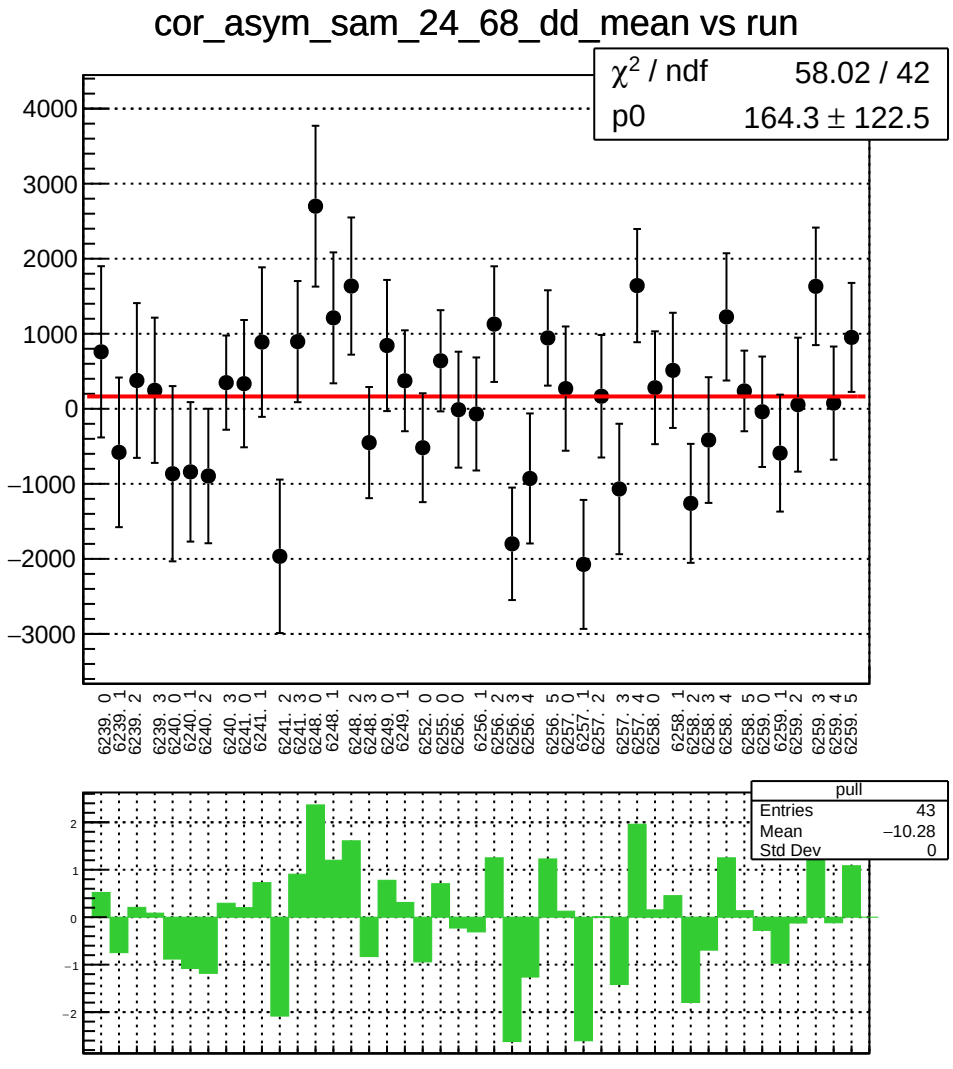
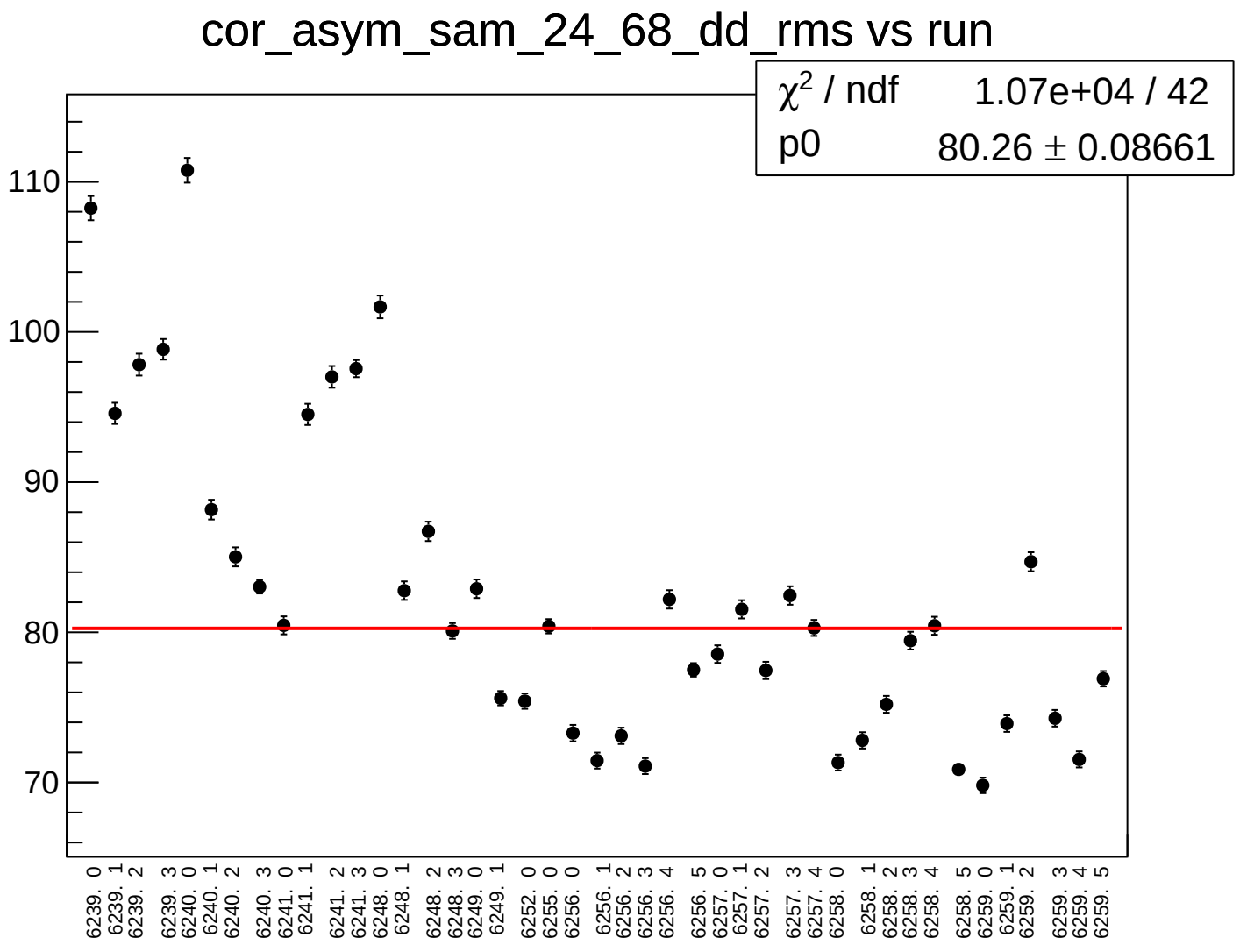
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

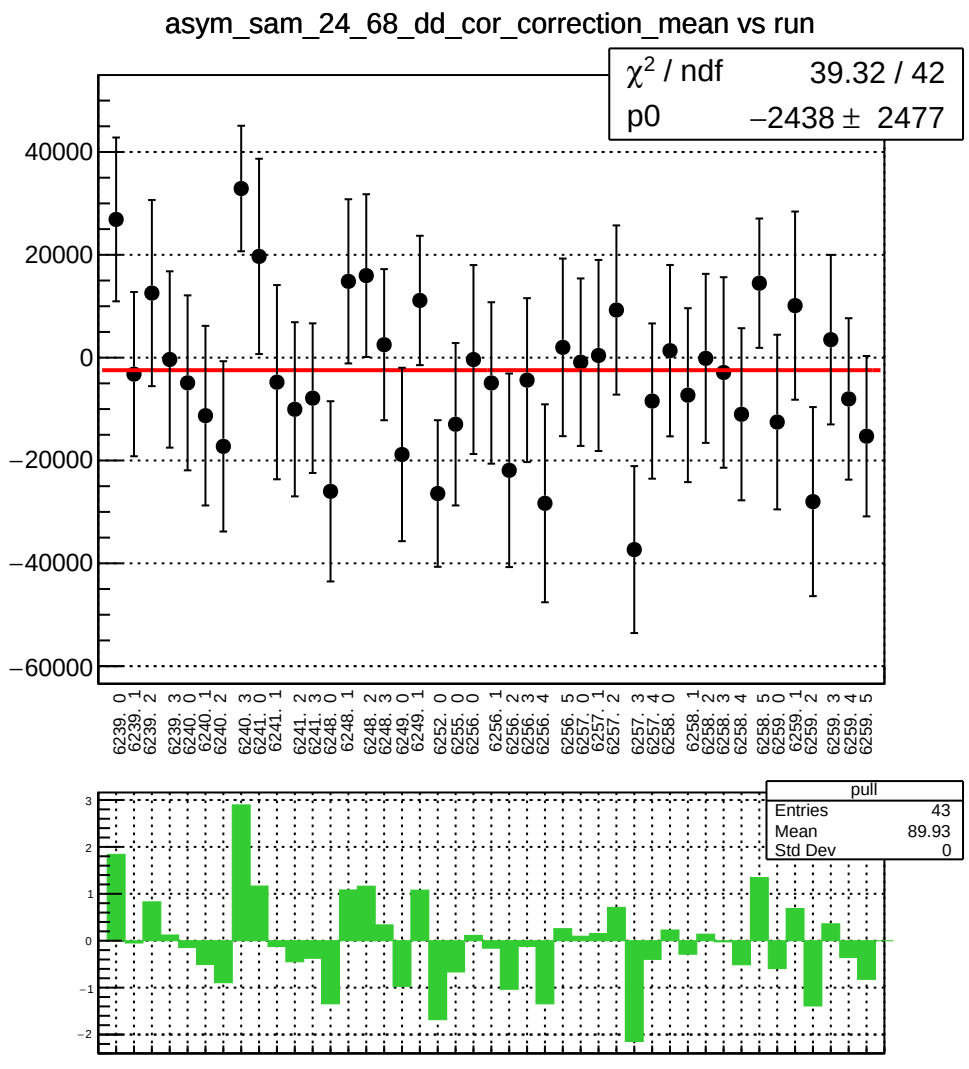

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 39.32 / 42
p0 −2438 ± 2477
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.93
Std Dev 0
3
2
1
0
−1
−2

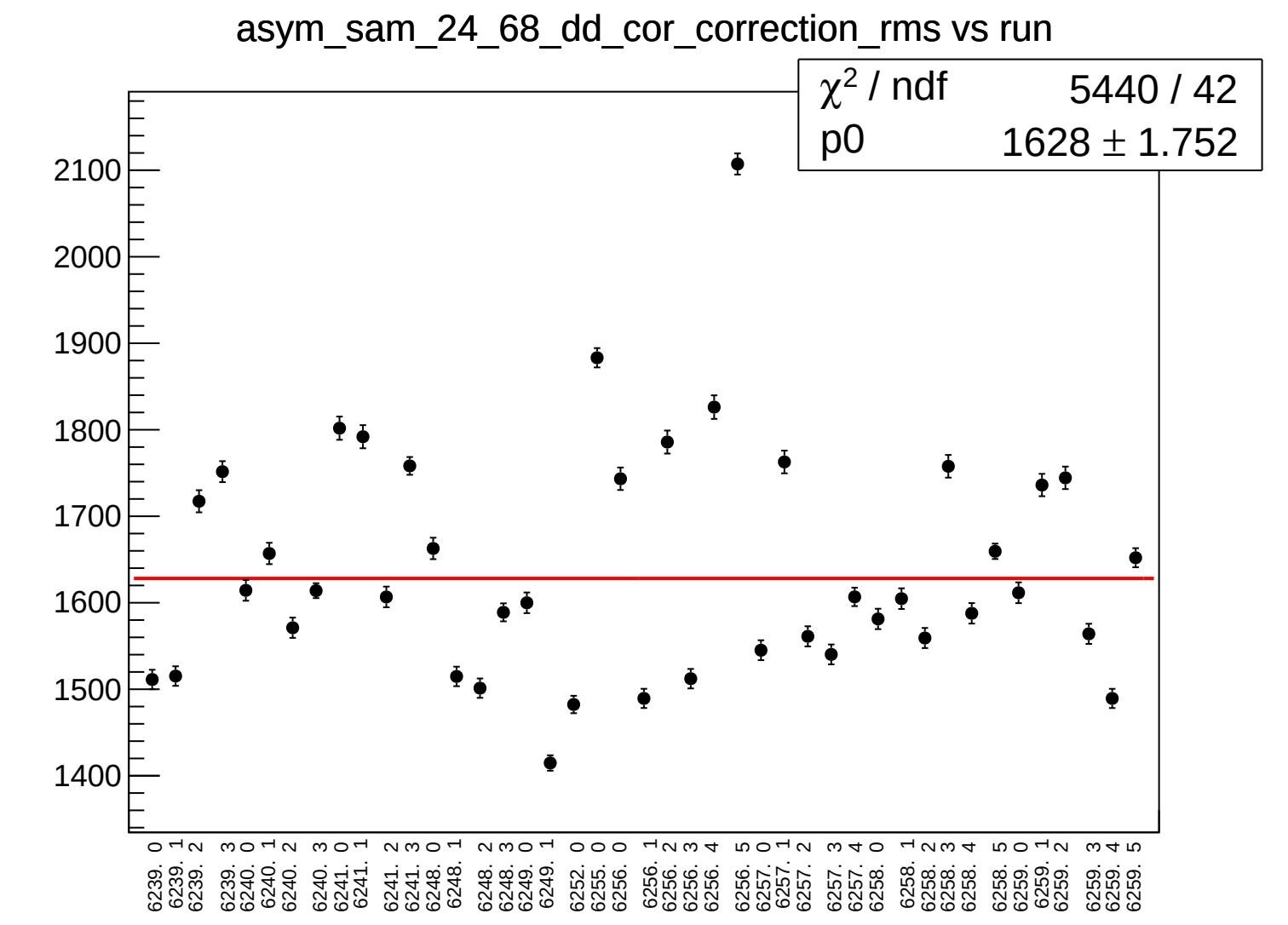

pull1D
Entries 43
Mean −0.04169
Std Dev 0.9553
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 5440 / 42
p0 1628 ± 1.752
2100
2000
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 58.02 / 42
p0 164.3 ± 122.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −10.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01696
Std Dev 1.161
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.07e+04 / 42
p0 80.26 ± 0.08661
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 39.32 / 42
p0 −2438 ± 2477
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.93
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04169
Std Dev 0.9553
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 5440 / 42
p0 1628 ± 1.752
2100
2000
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
6258. 5
6259. 0
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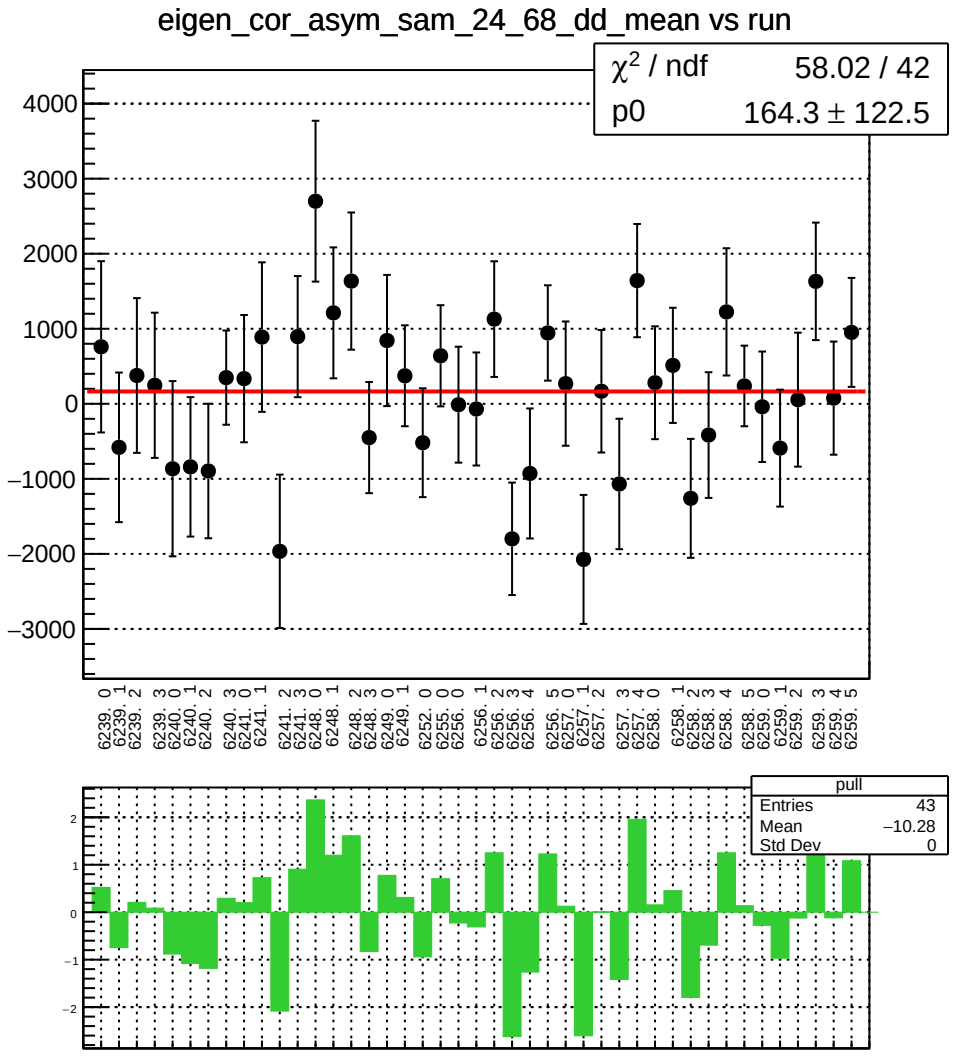
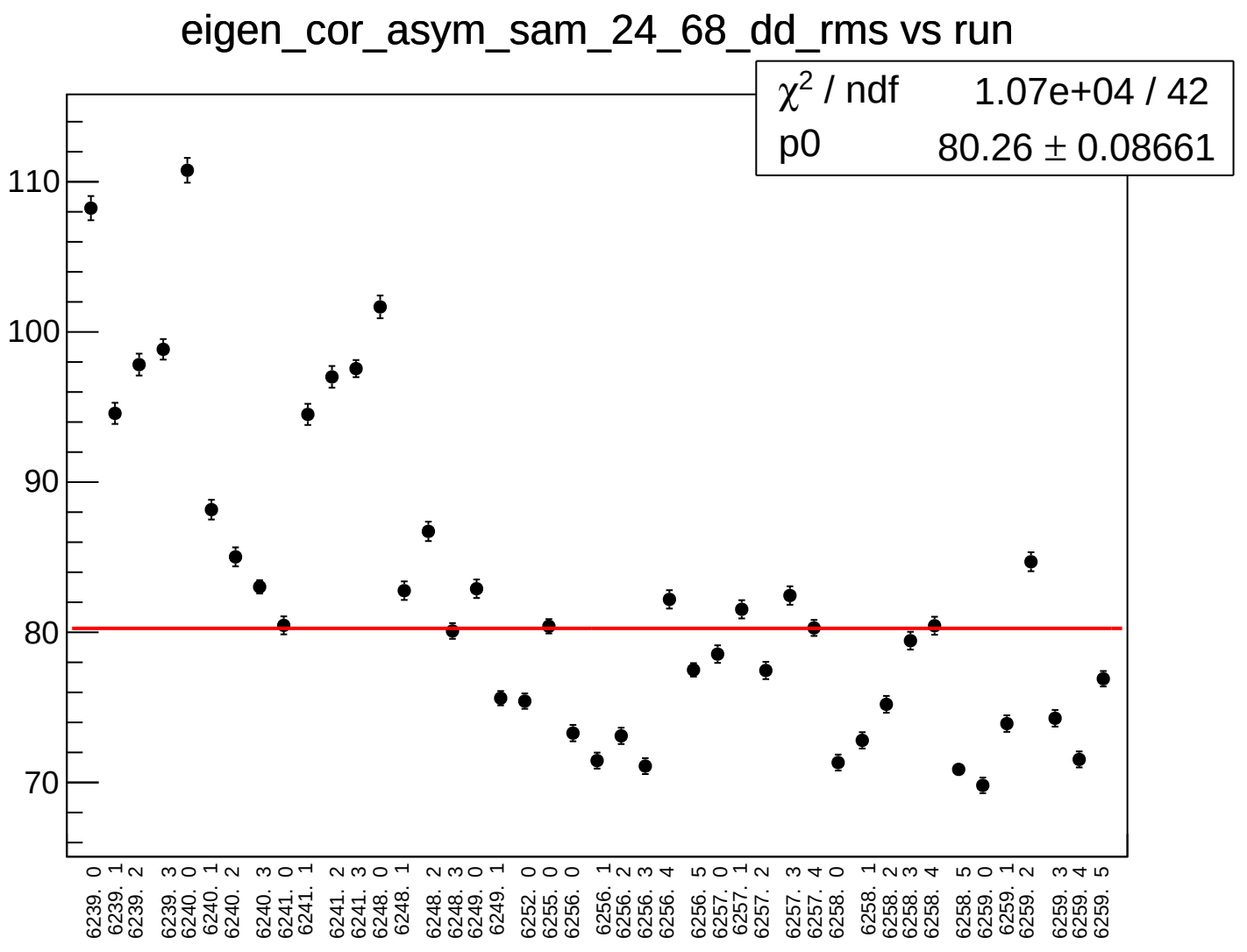
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 58.02 / 42
p0 164.3 ± 122.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −10.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01696
Std Dev 1.161
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 1.07e+04 / 42
p0 80.26 ± 0.08661
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
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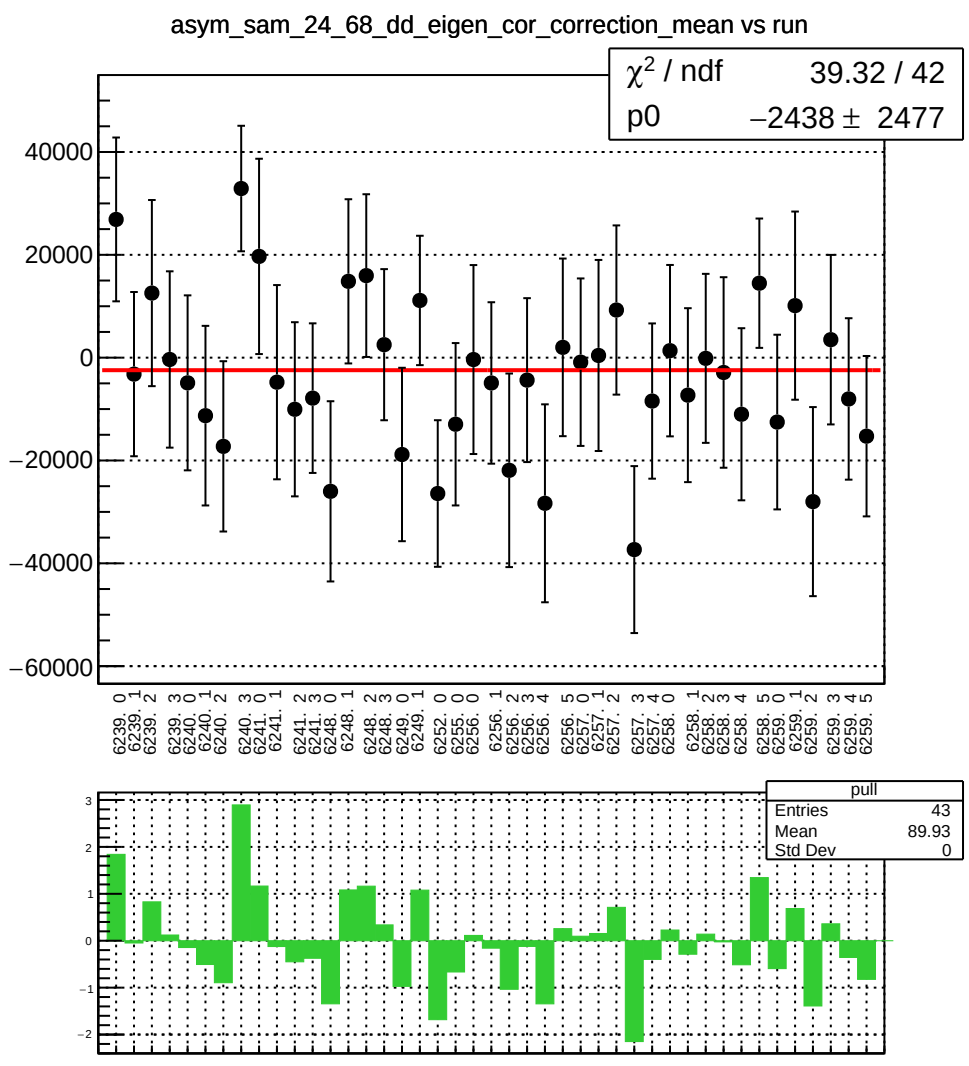
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.32 / 42
p0 −2438 ± 2477
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
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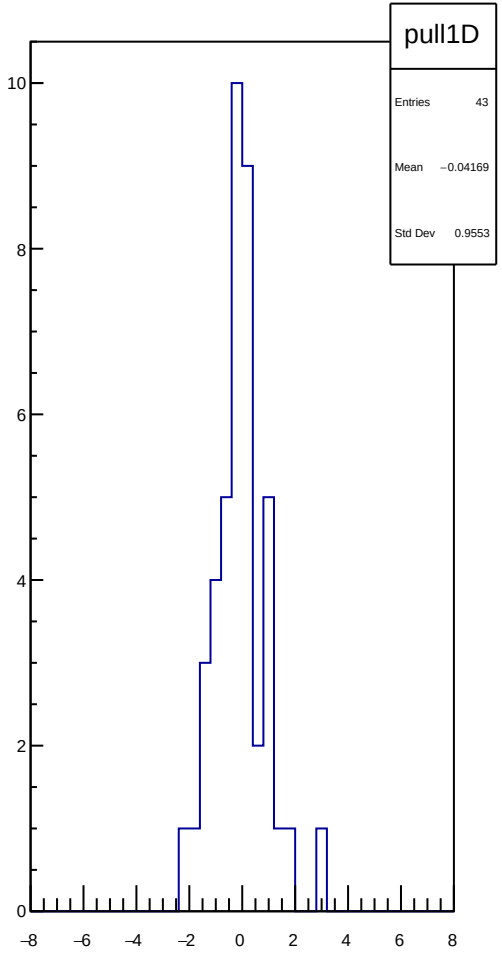
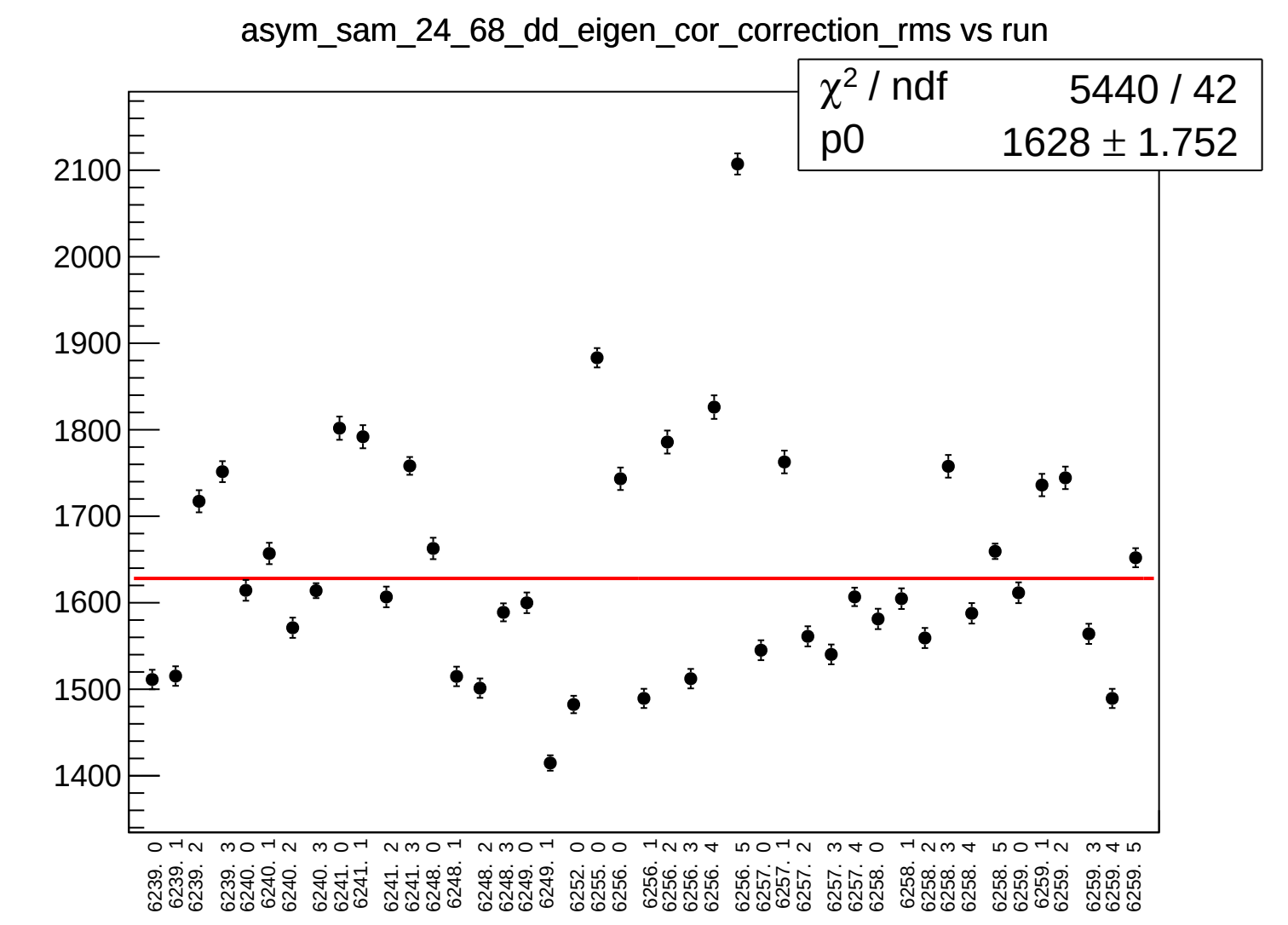
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.93
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.04169
Std Dev 0.9553
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 5440 / 42
p0 1628 ± 1.752
2100
2000
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
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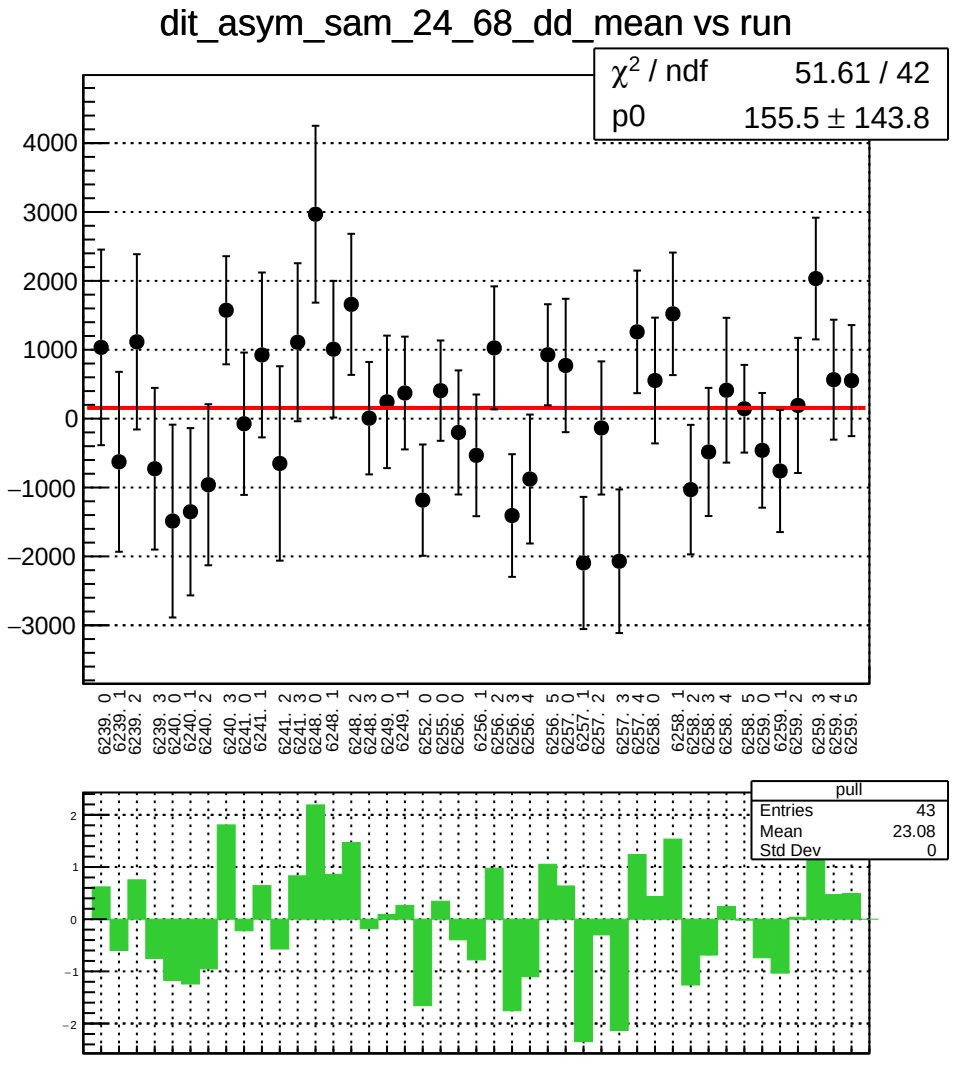
6259. 4
6259. 5


dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 51.61 / 42
p0 155.5 ± 143.8
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 23.08
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01818
Std Dev 1.095
7
6
5
4
3
2
1
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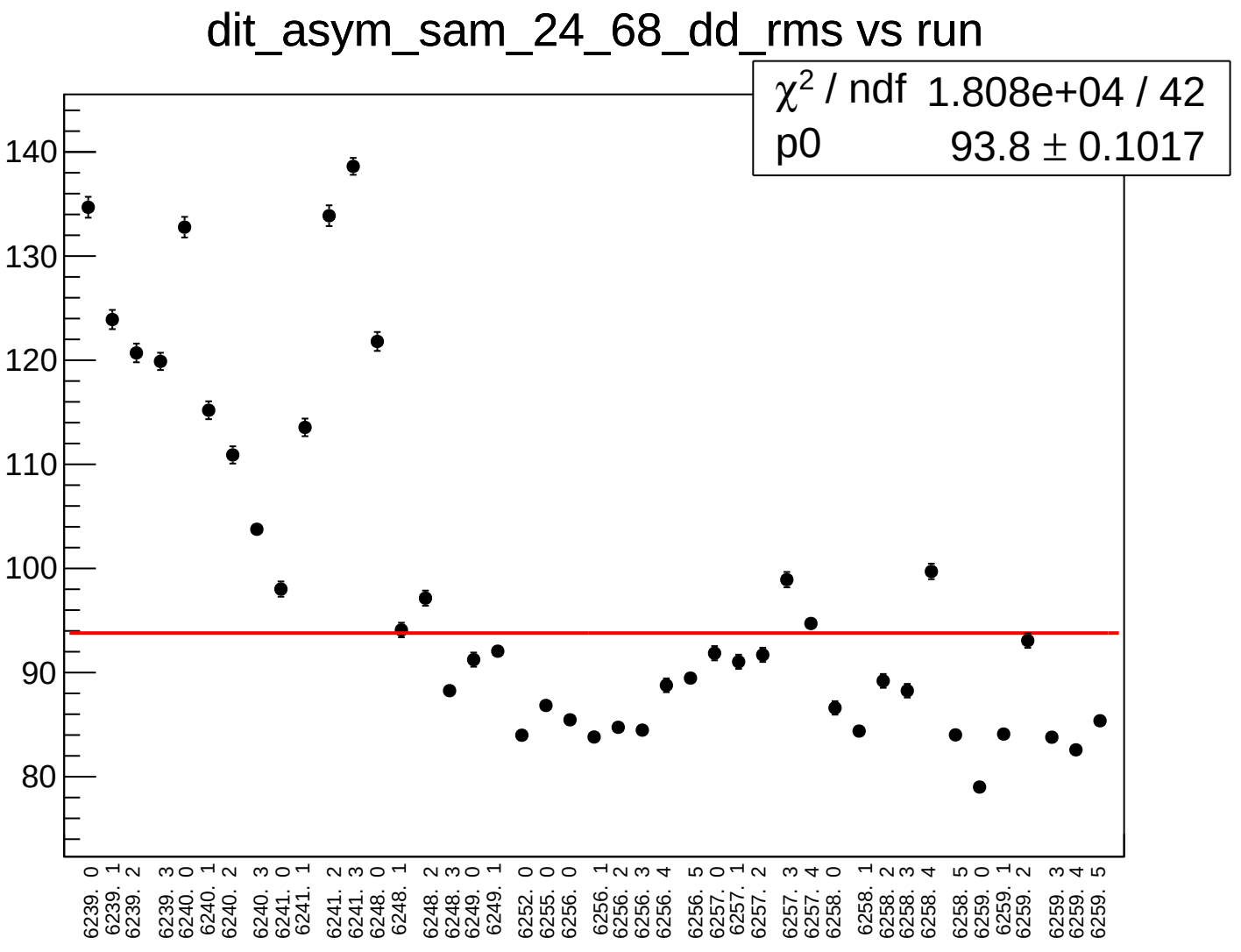
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.808e+04 / 42
p0 93.8 ± 0.1017
140
130
120
110
100
90
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
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6256. 2
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6256. 5
6257. 0
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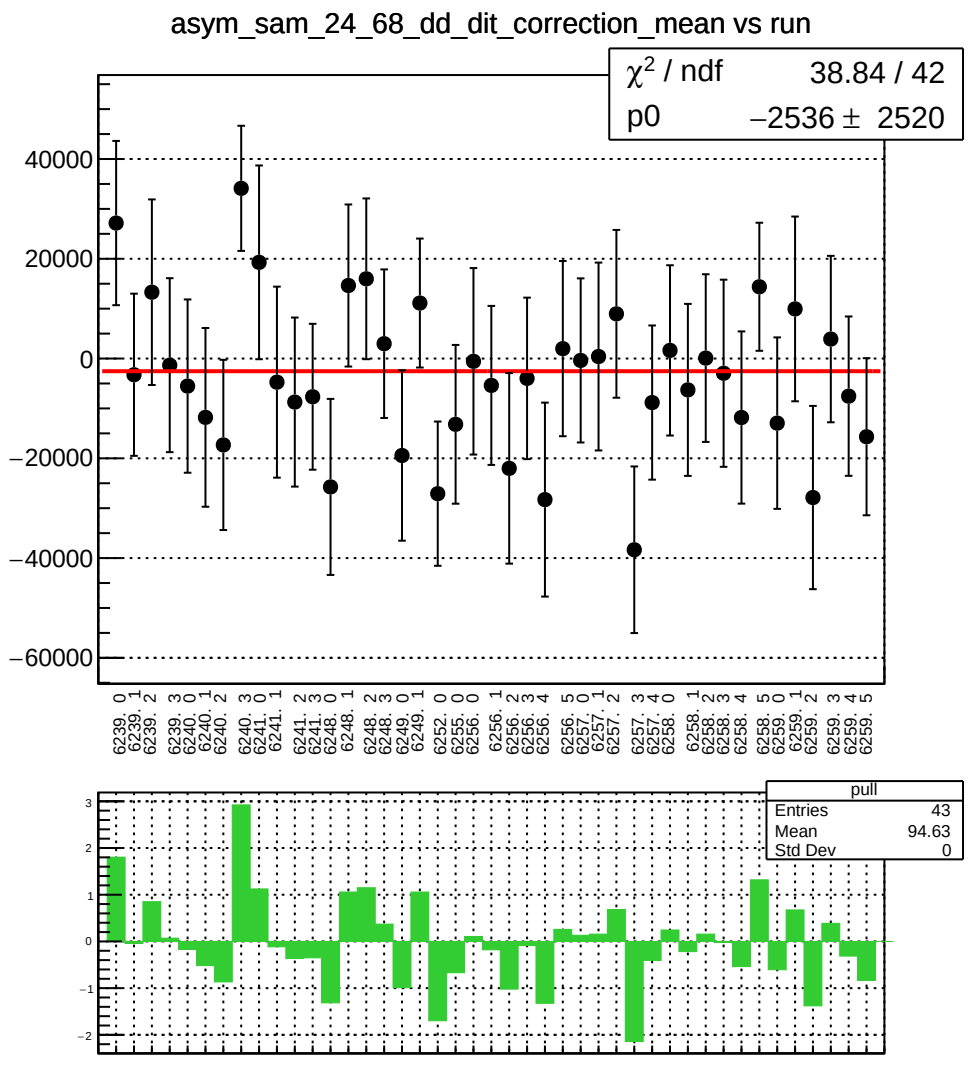
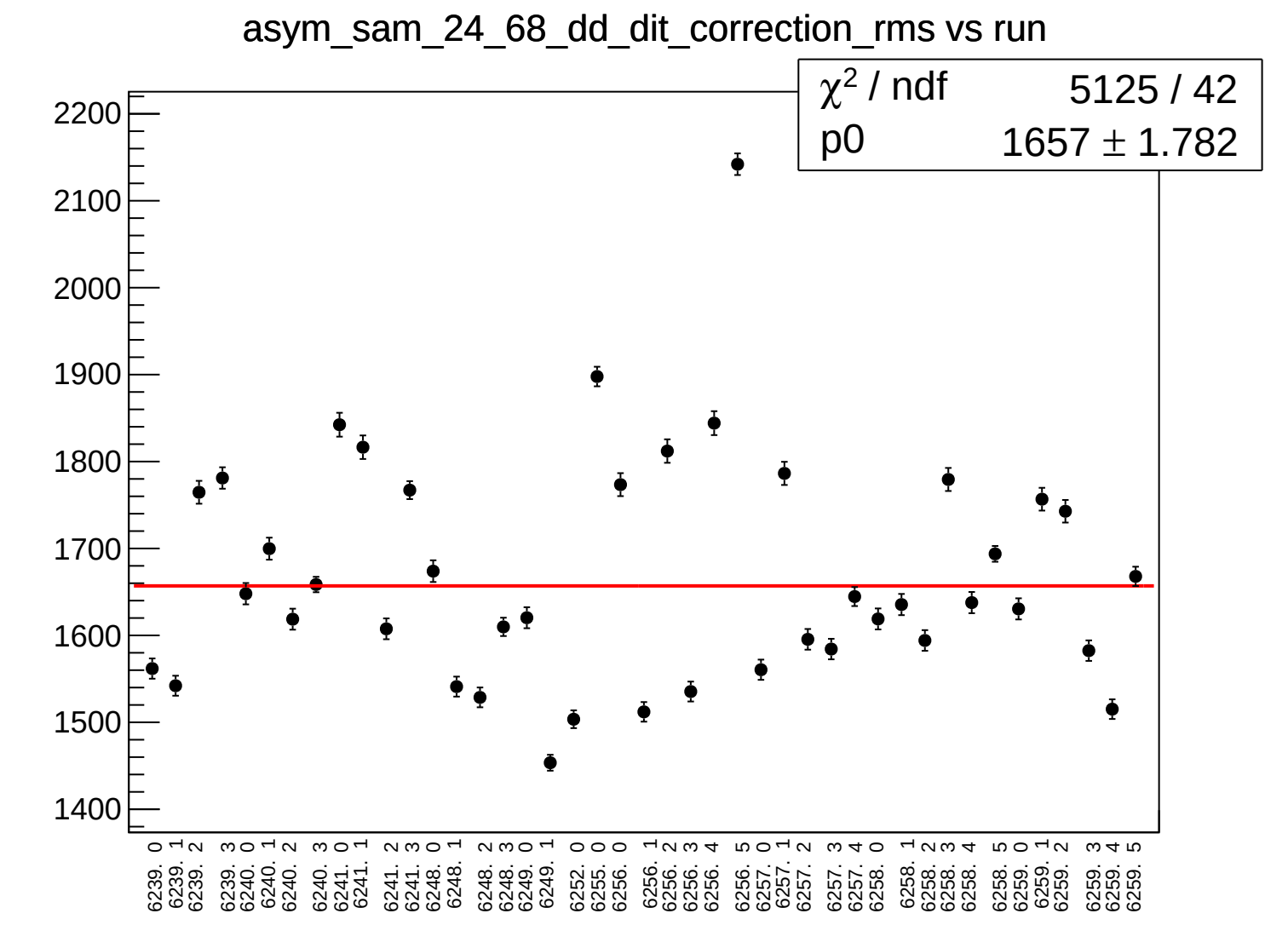
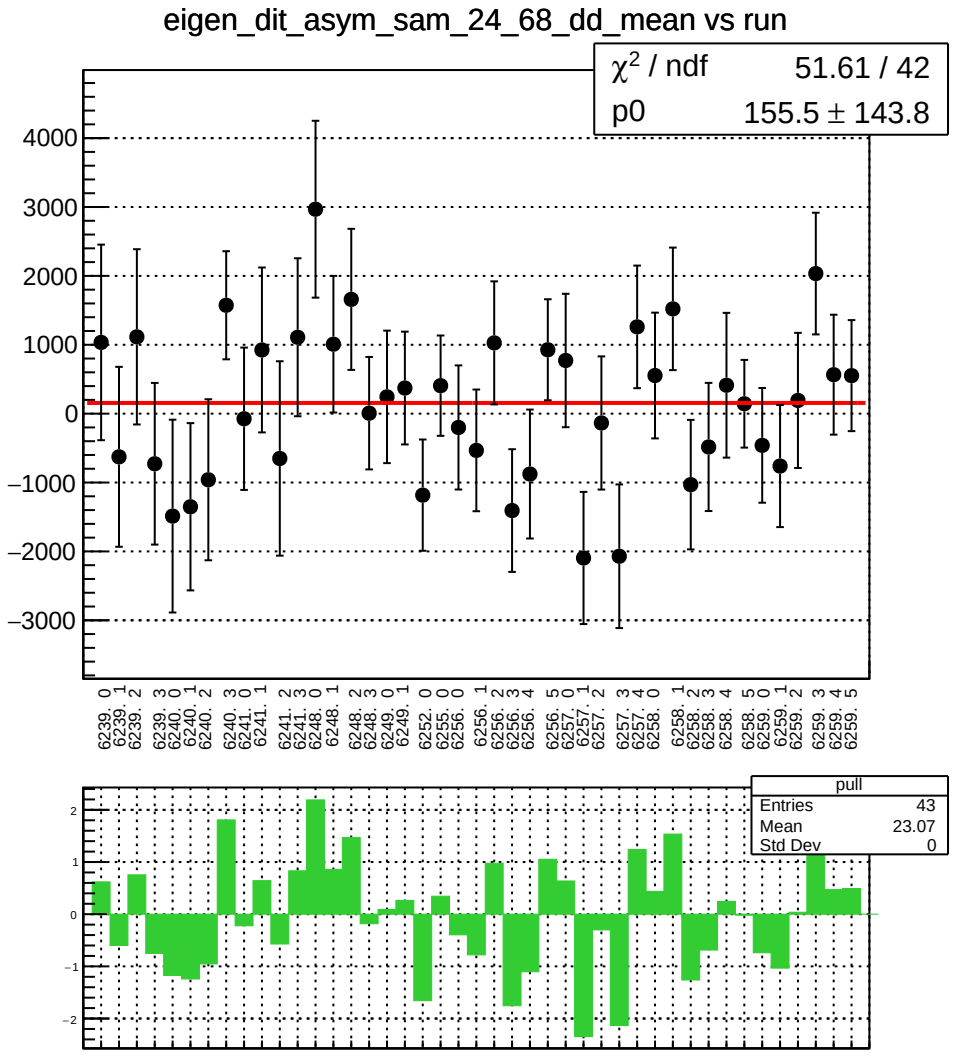
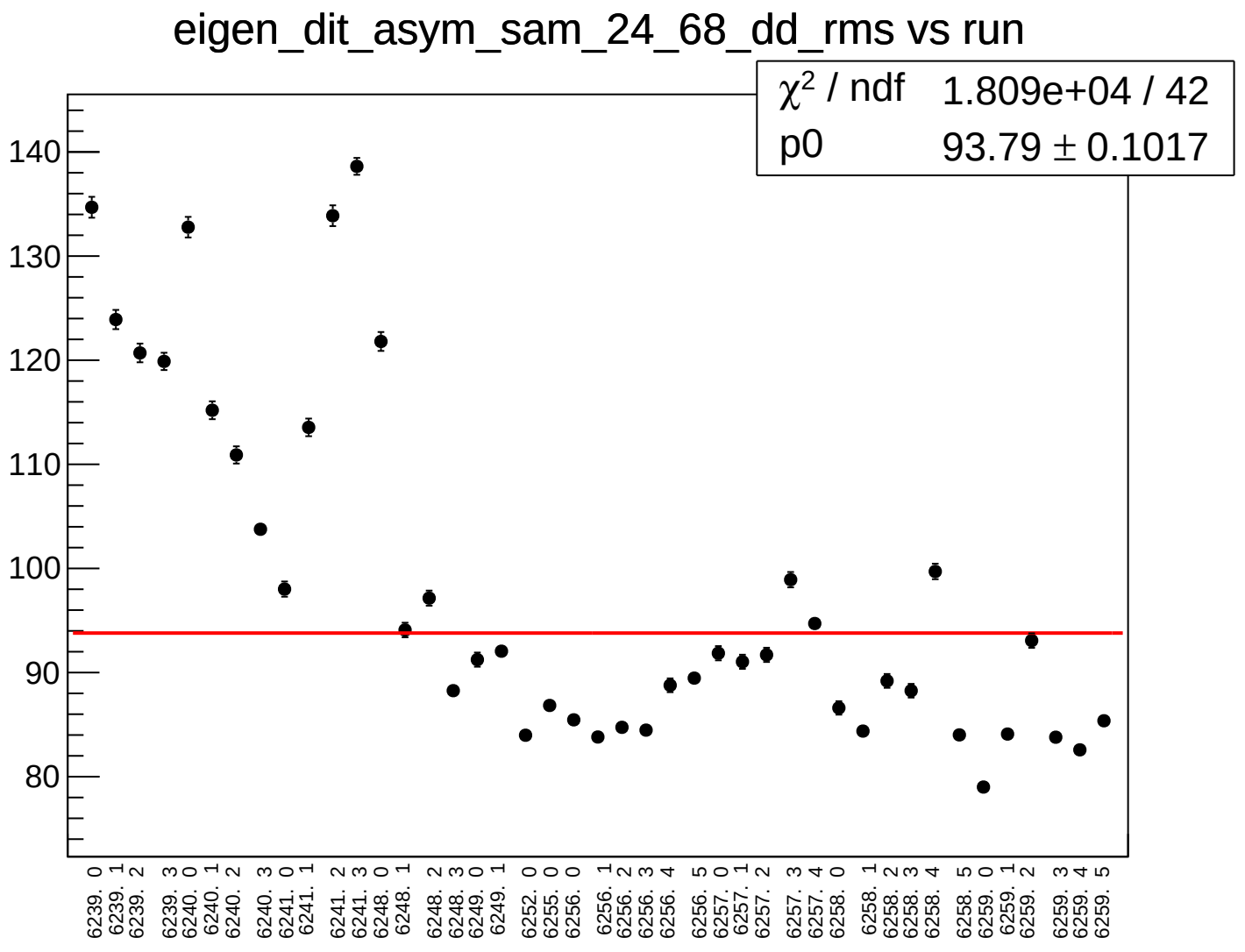
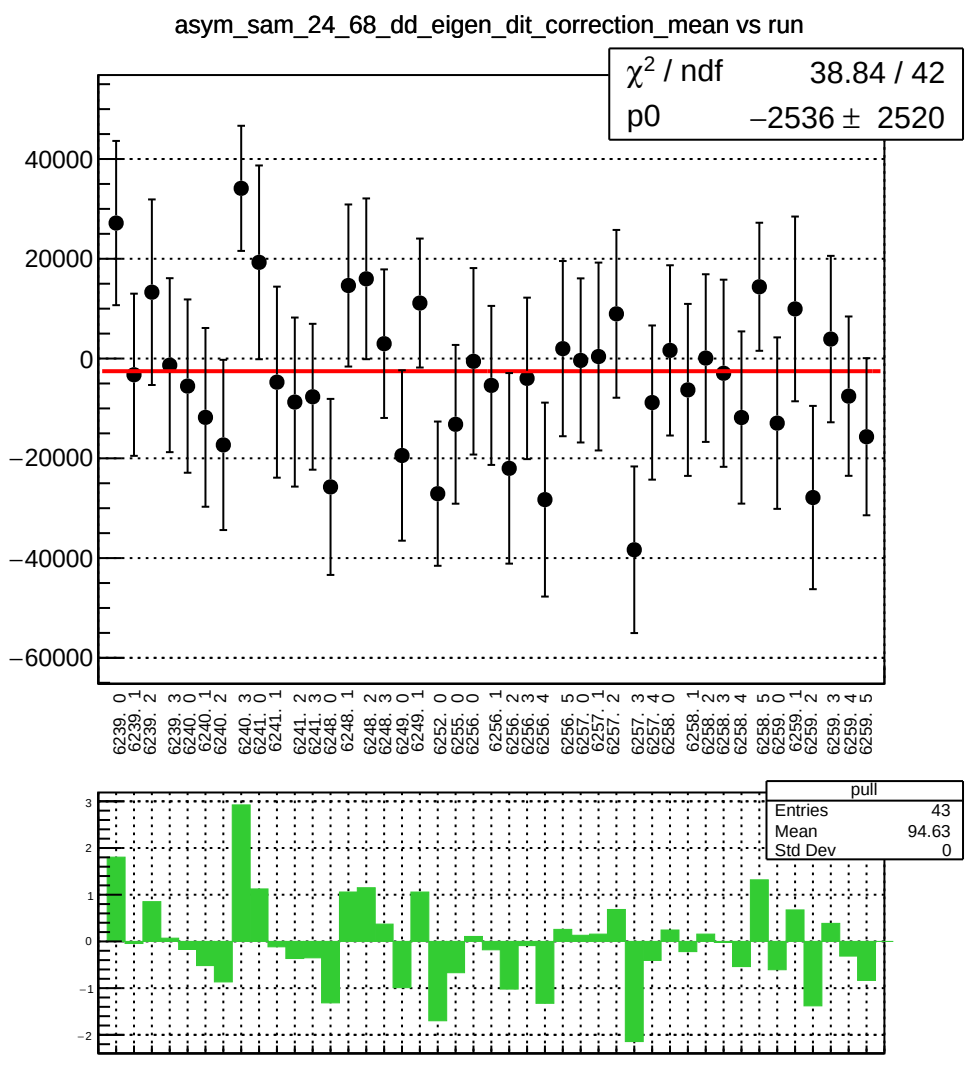
6259. 4
6259. 5

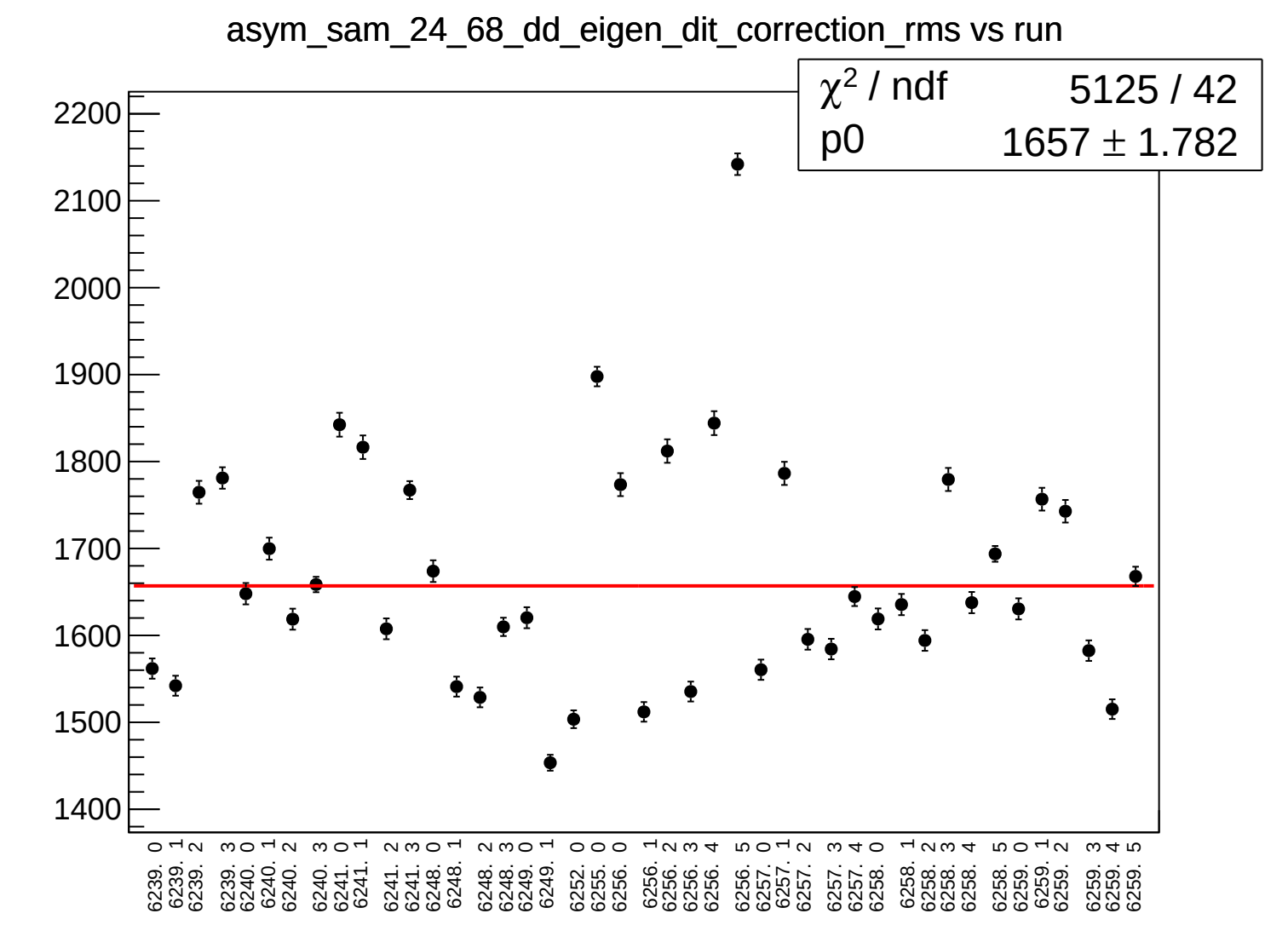

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 38.84 / 42
p0 −2536 ± 2520
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.63
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03844
Std Dev 0.9496
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

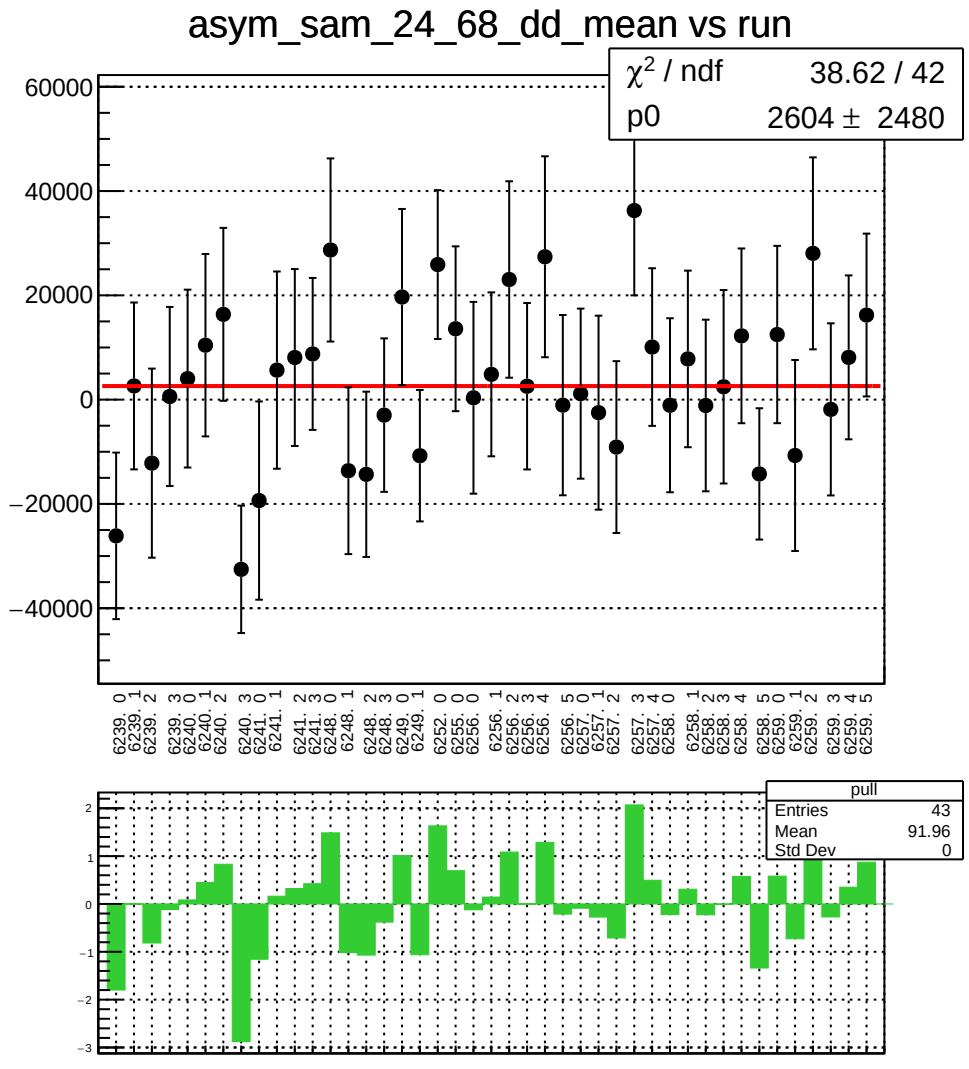

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 5125 / 42
p0 1657 ± 1.782
2200
2100
2000
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

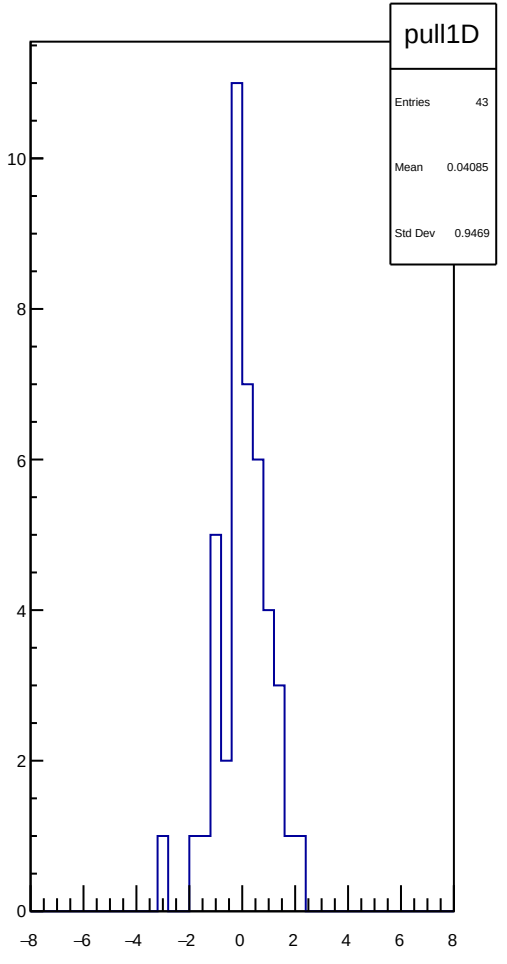

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 51.61 / 42
p0 155.5 ± 143.8
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 23.07
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01818
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

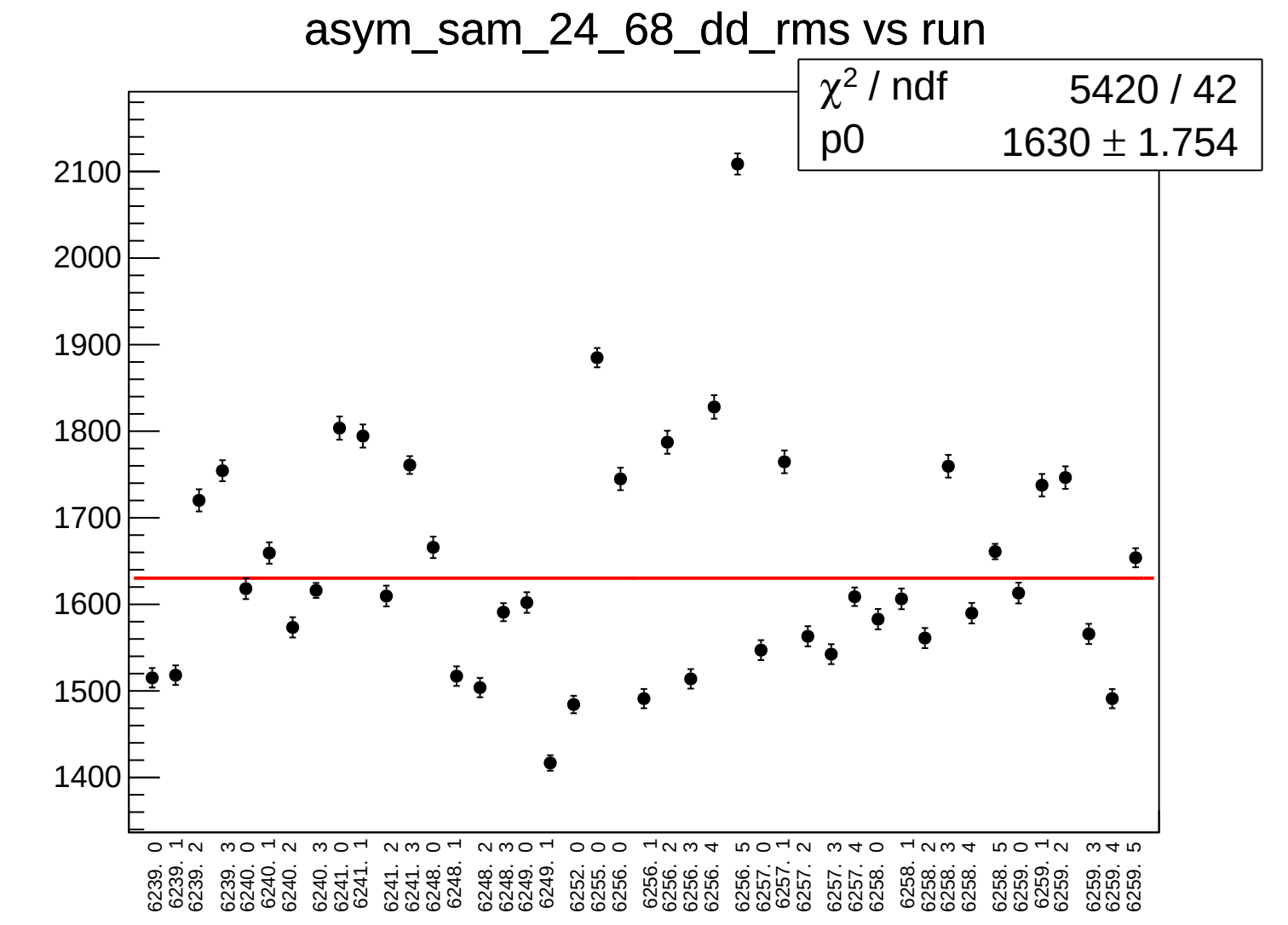

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.809e+04 / 42
p0 93.79 ± 0.1017
140
130
120
110
100
90
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

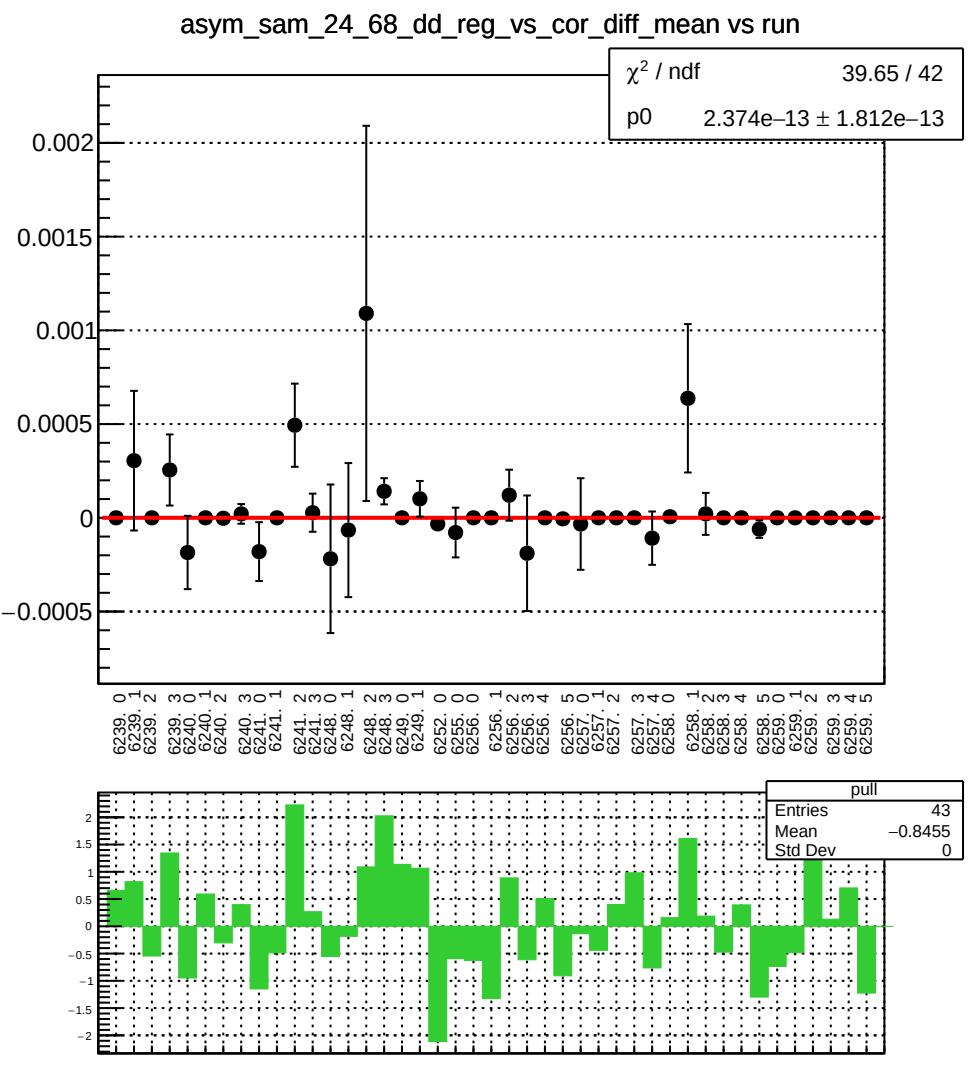

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 38.84 / 42
p0 −2536 ± 2520
40000
20000
0
−20000
−40000
−60000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.63
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03844
Std Dev 0.9496
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

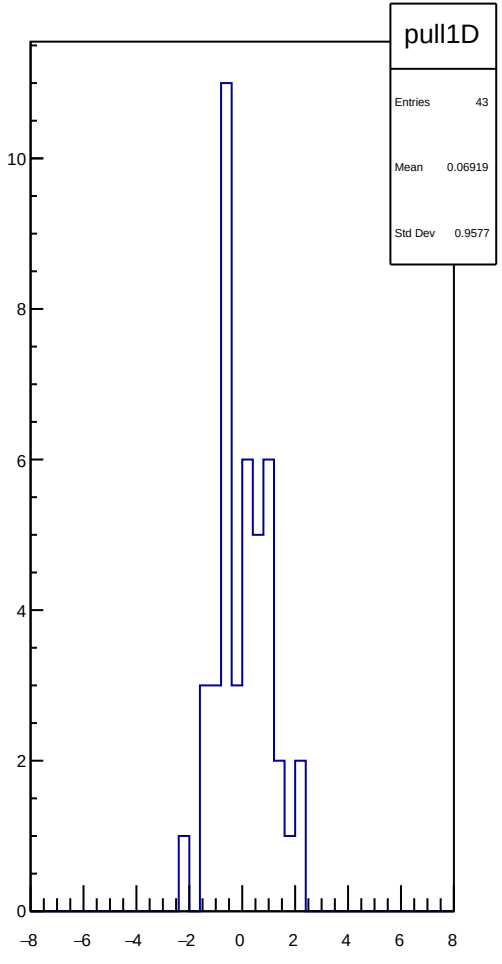

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 5125 / 42
p0 1657 ± 1.782
2200
2100
2000
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

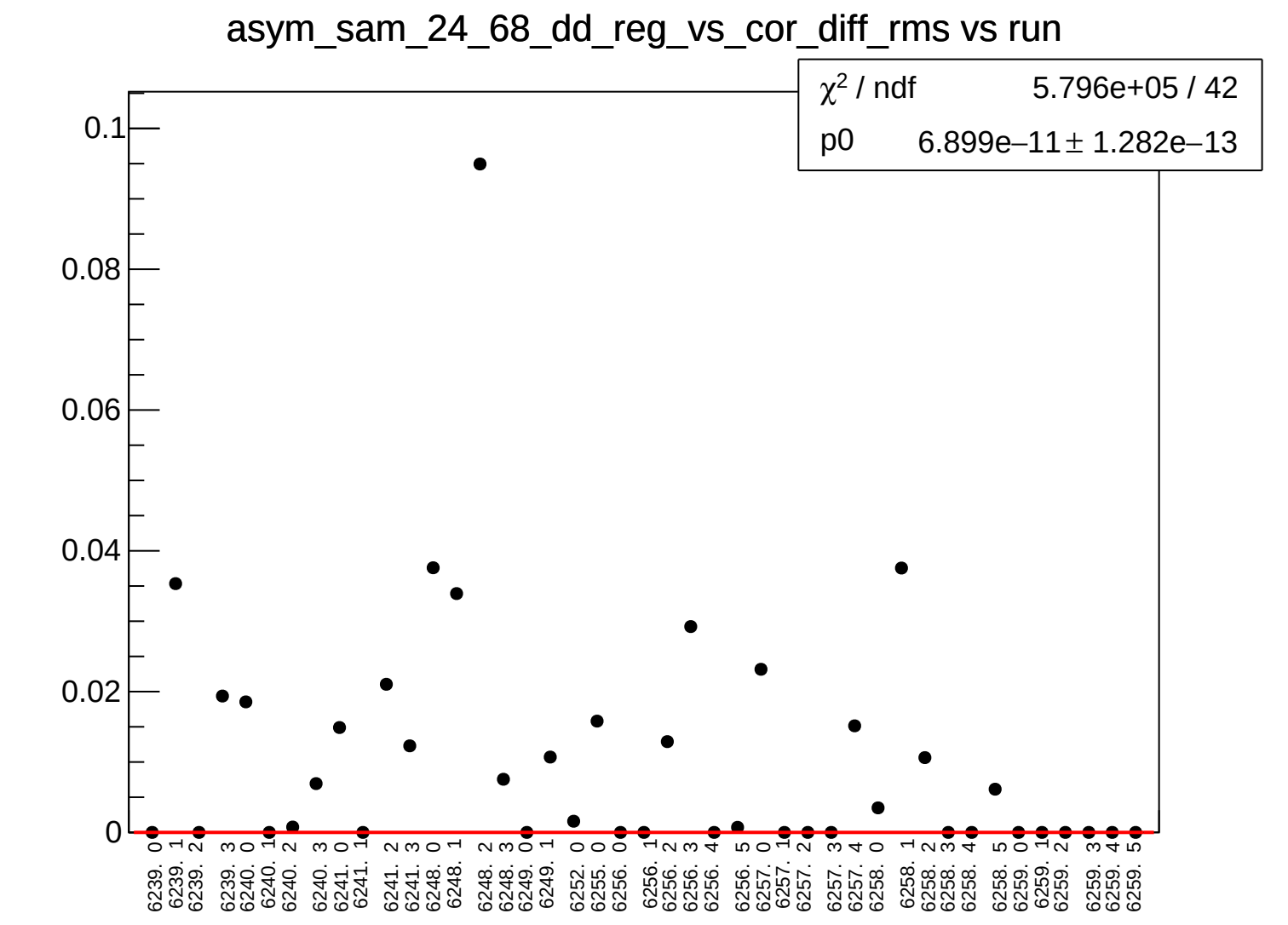

asym_sam_24_68_dd_mean vs run
χ² / ndf 38.62 / 42
p0 2604 ± 2480
60000
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 91.96
Std Dev 0
2
1
0
−1
−2
−3

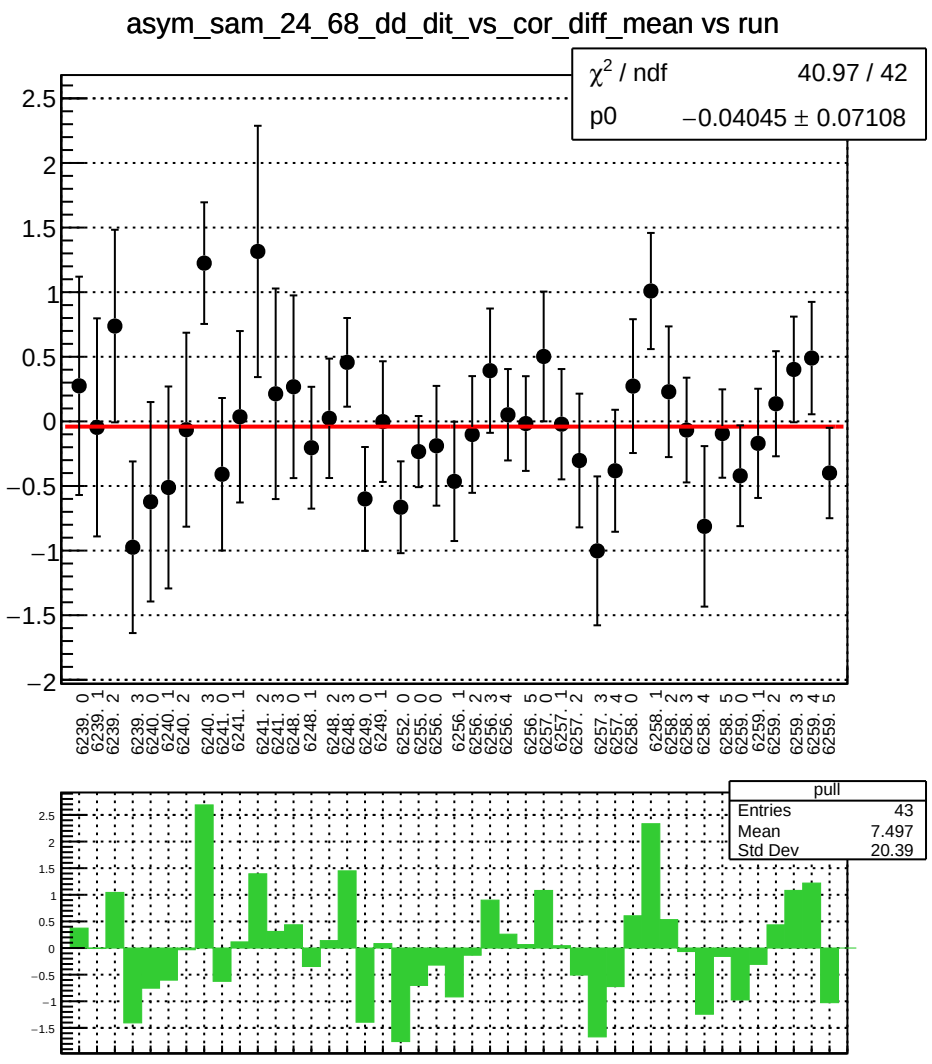

pull1D
Entries 43
Mean 0.04085
Std Dev 0.9469
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

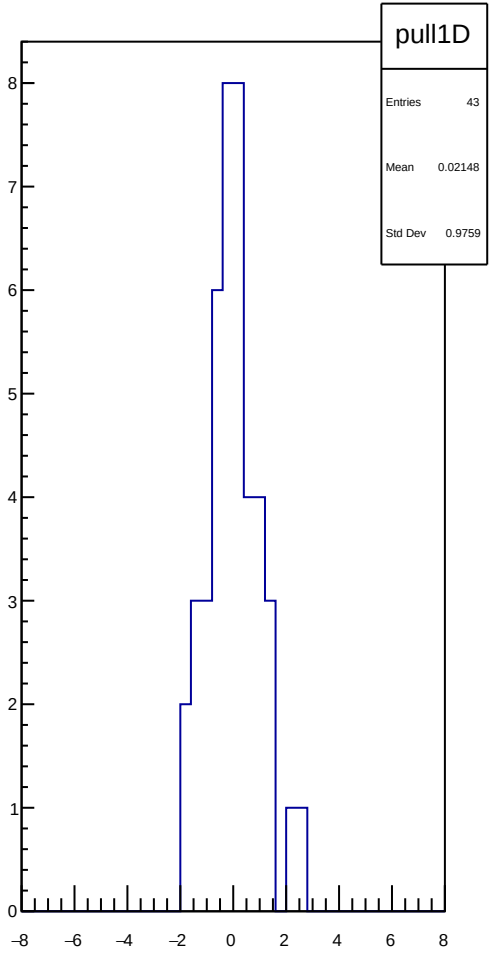

asym_sam_24_68_dd_rms vs run
χ² / ndf 5420 / 42
p0 1630 ± 1.754
2100
2000
1900
1800
1700
1600
1500
1400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

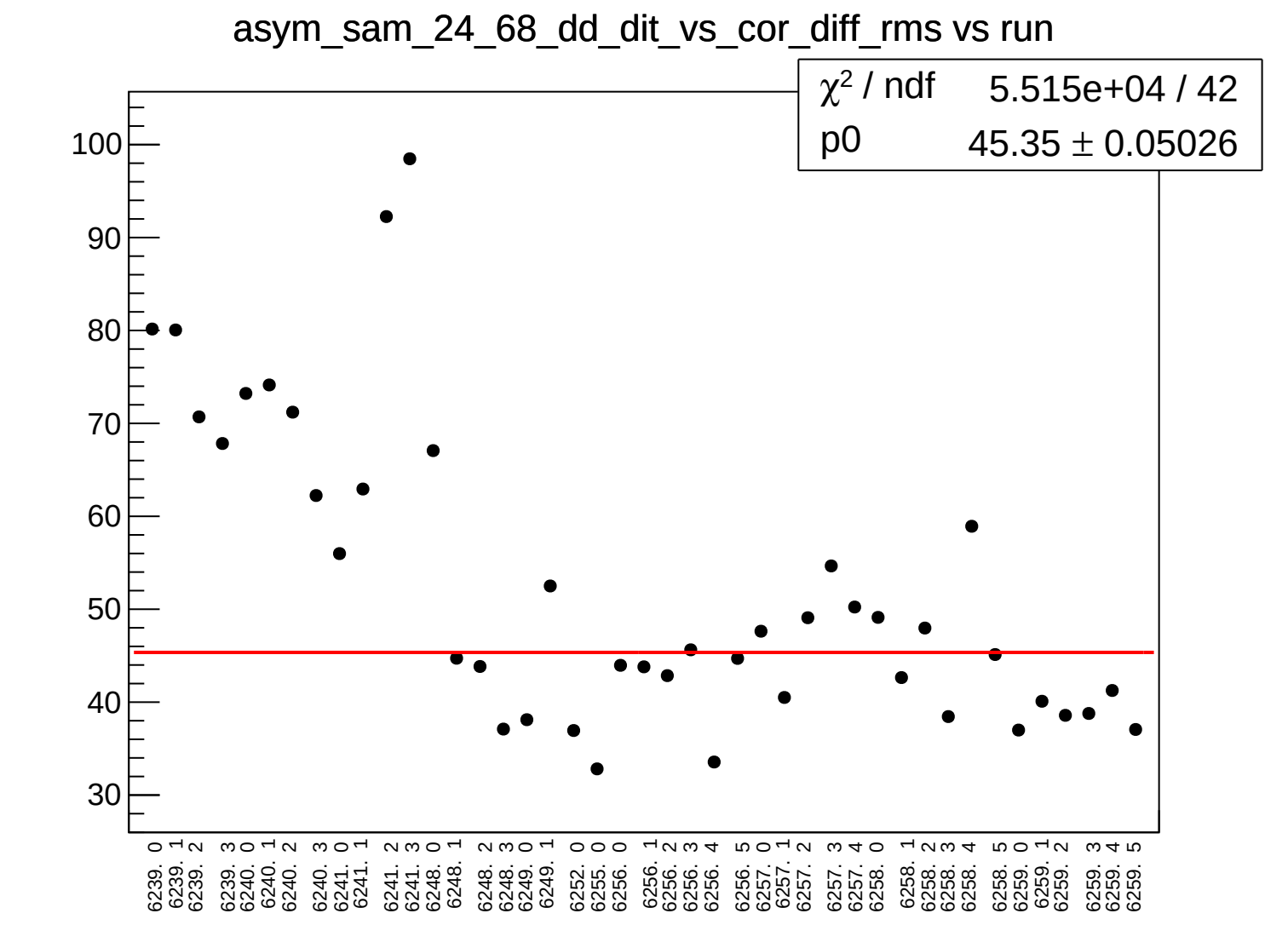

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.65 / 42
p0 2.374e−13 ± 1.812e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −0.8455
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

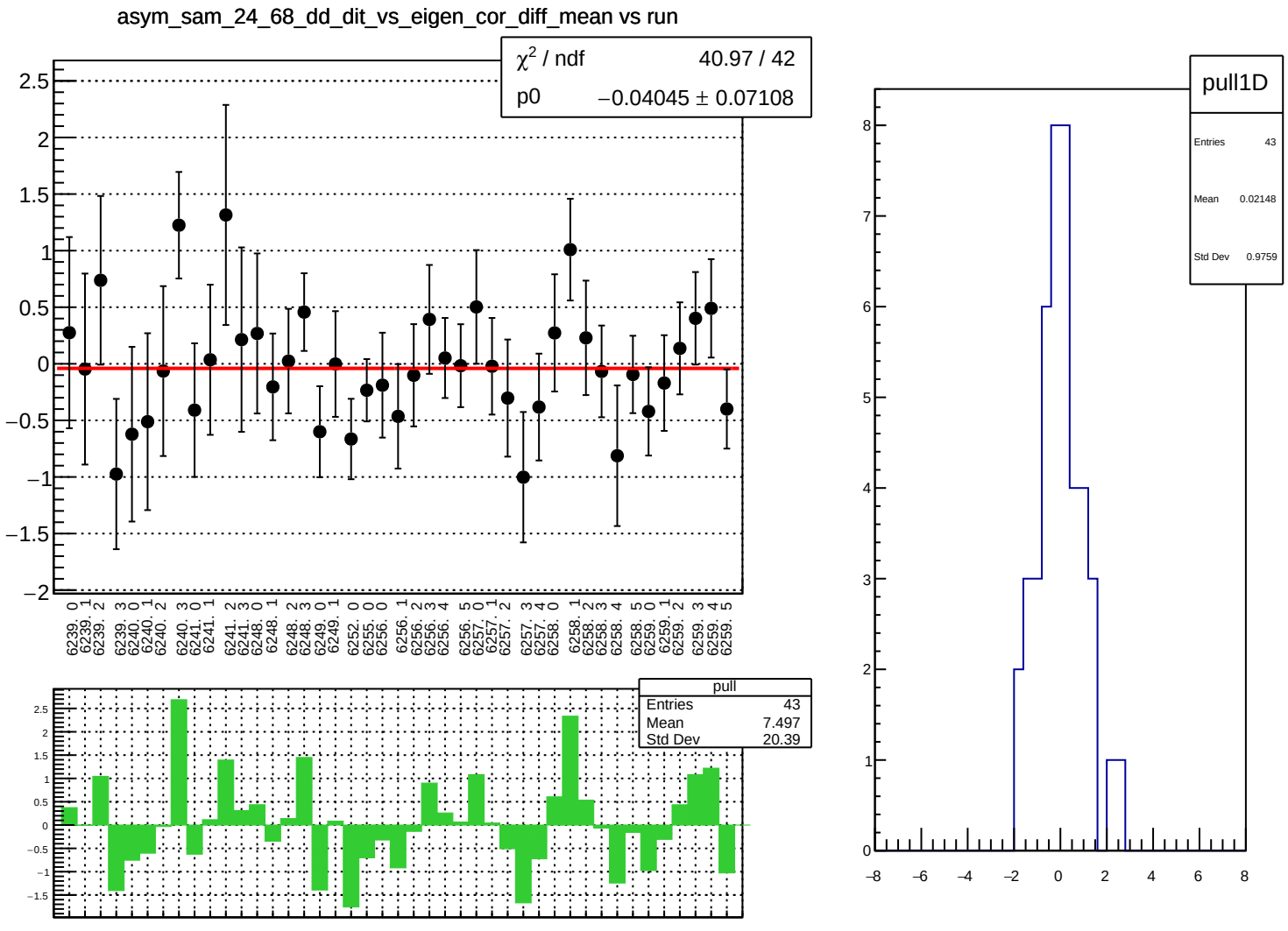

pull1D
Entries 43
Mean 0.06919
Std Dev 0.9577
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

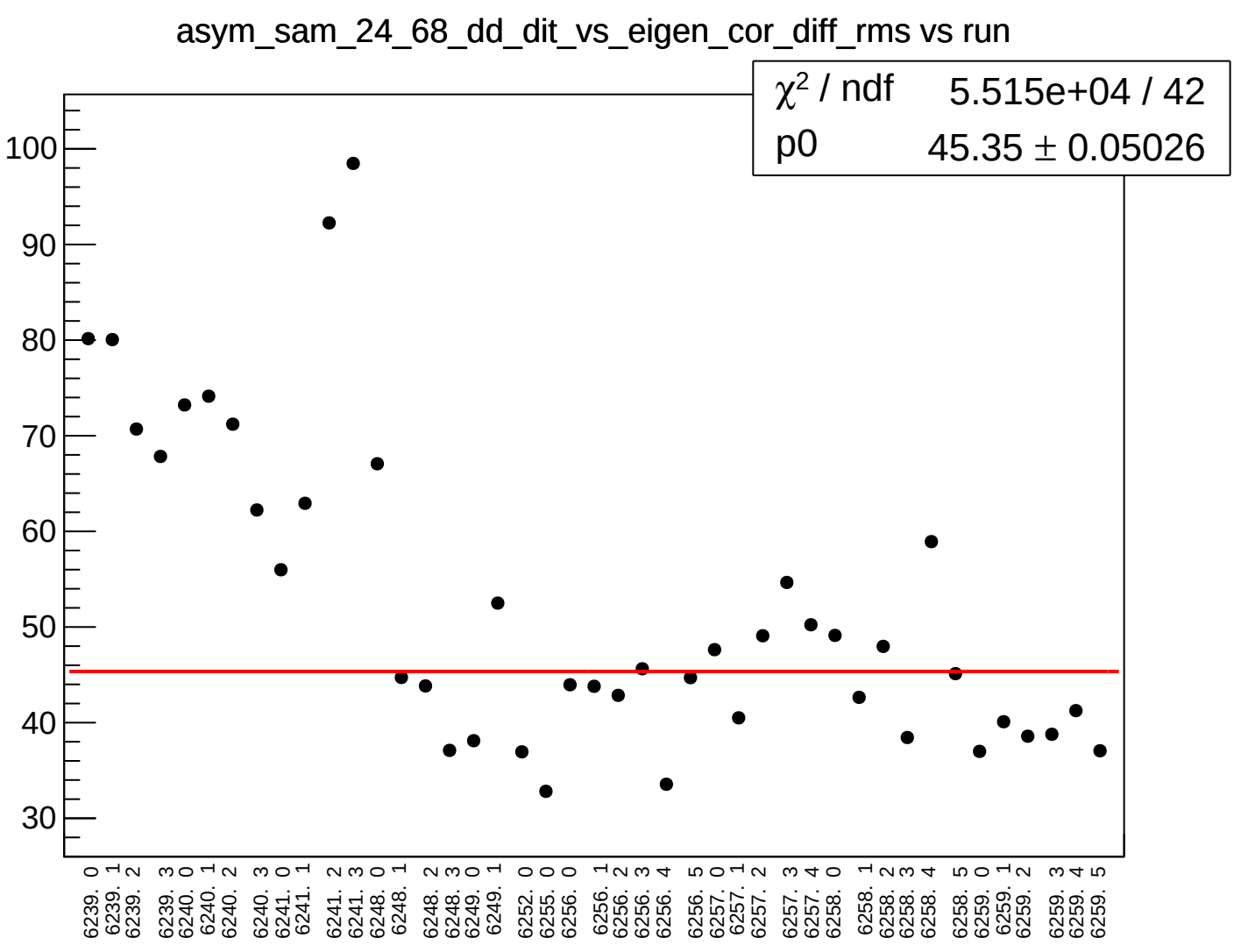

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.796e+05 / 42
p0 6.899e−11 ± 1.282e−13
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

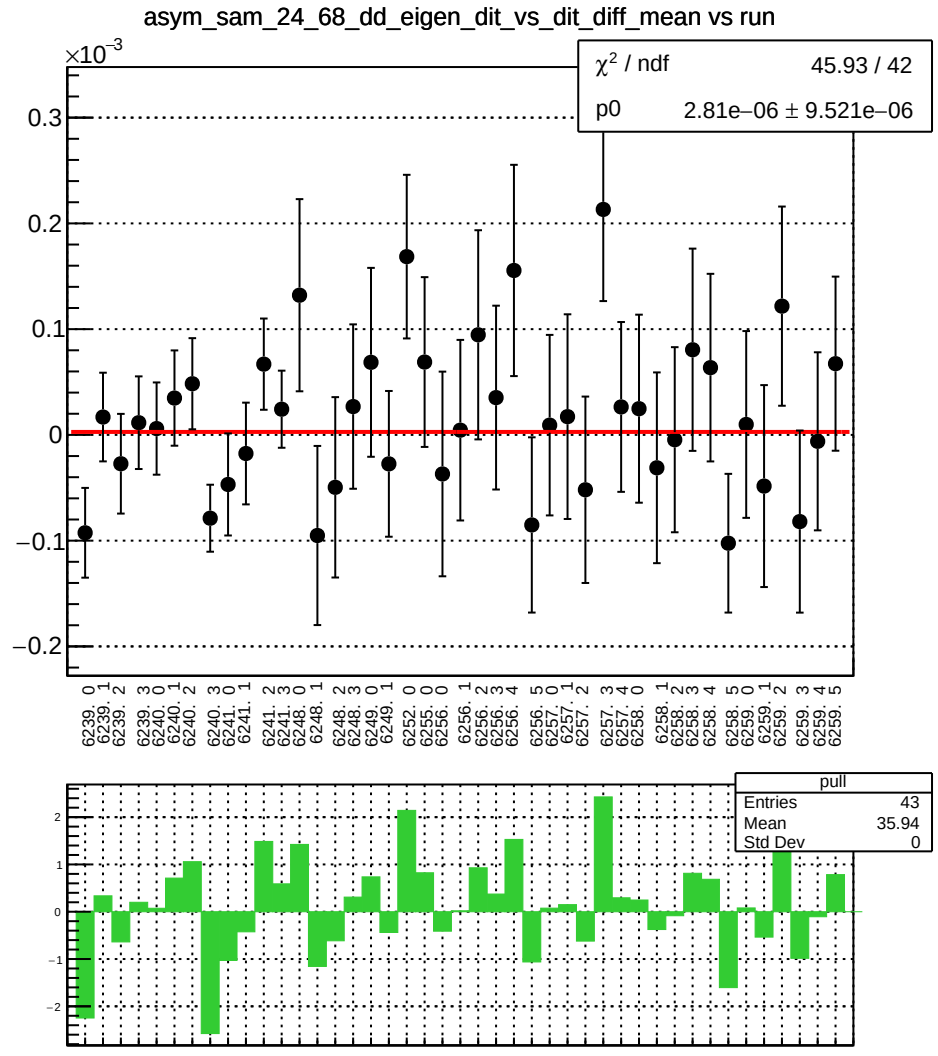

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 40.97 / 42
p0 −0.04045 ± 0.07108
pull
Entries 43
Mean 7.497
Std Dev 20.39

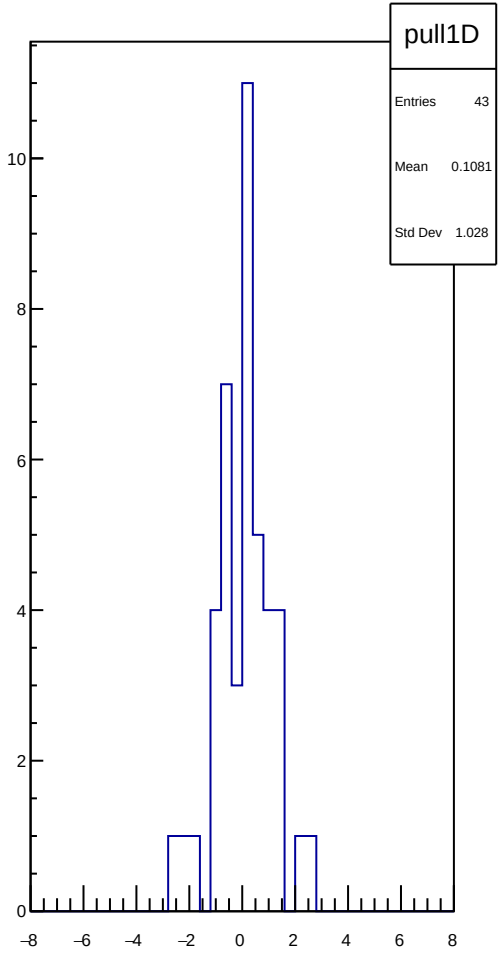

pull1D
Entries 43
Mean 0.02148
Std Dev 0.9759

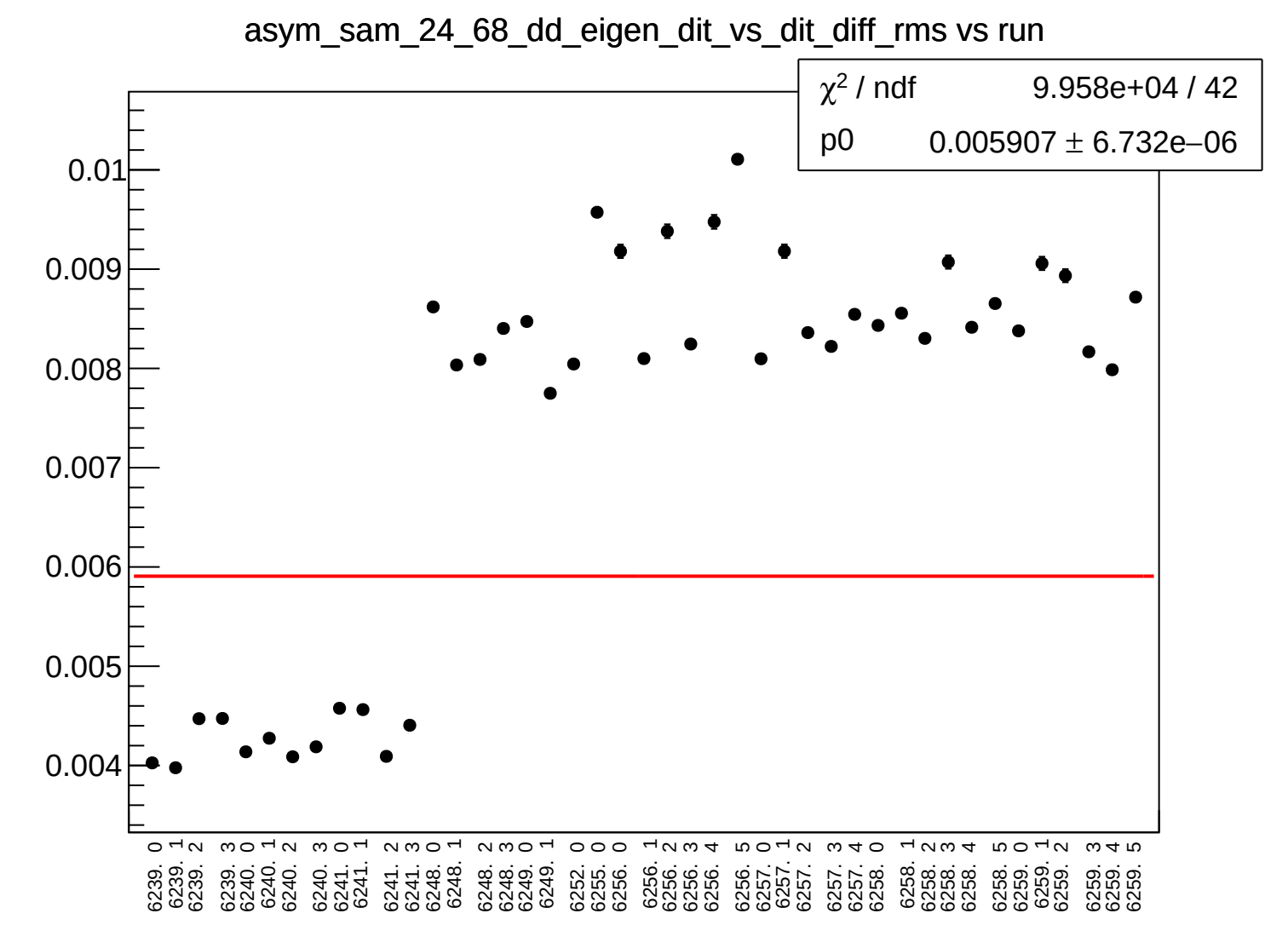

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.515e+04 / 42
p0 45.35 ± 0.05026
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

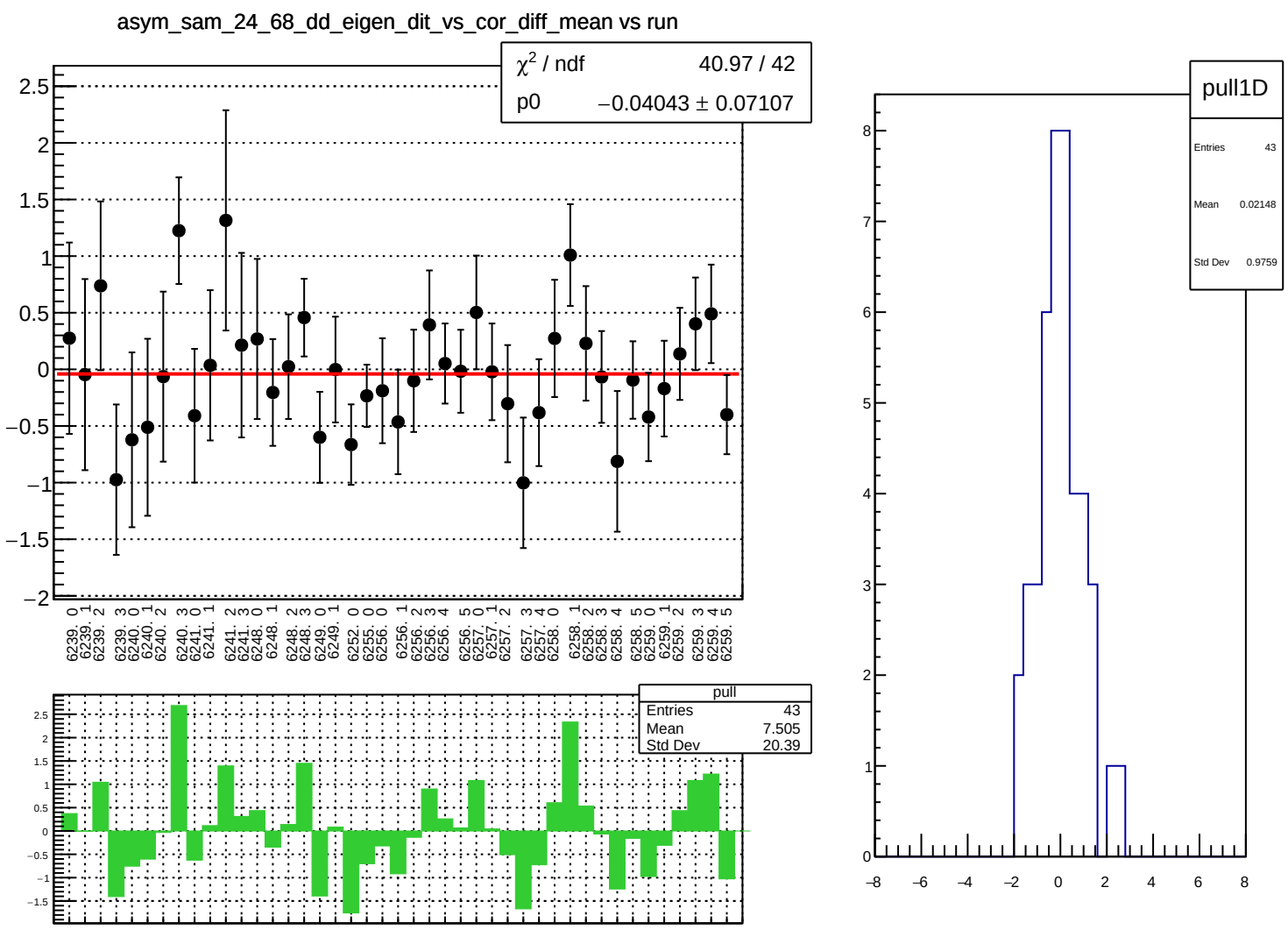

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.97 / 42
p0 −0.04045 ± 0.07108
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 7.497
Std Dev 20.39
pull1D
Entries 43
Mean 0.02148
Std Dev 0.9759

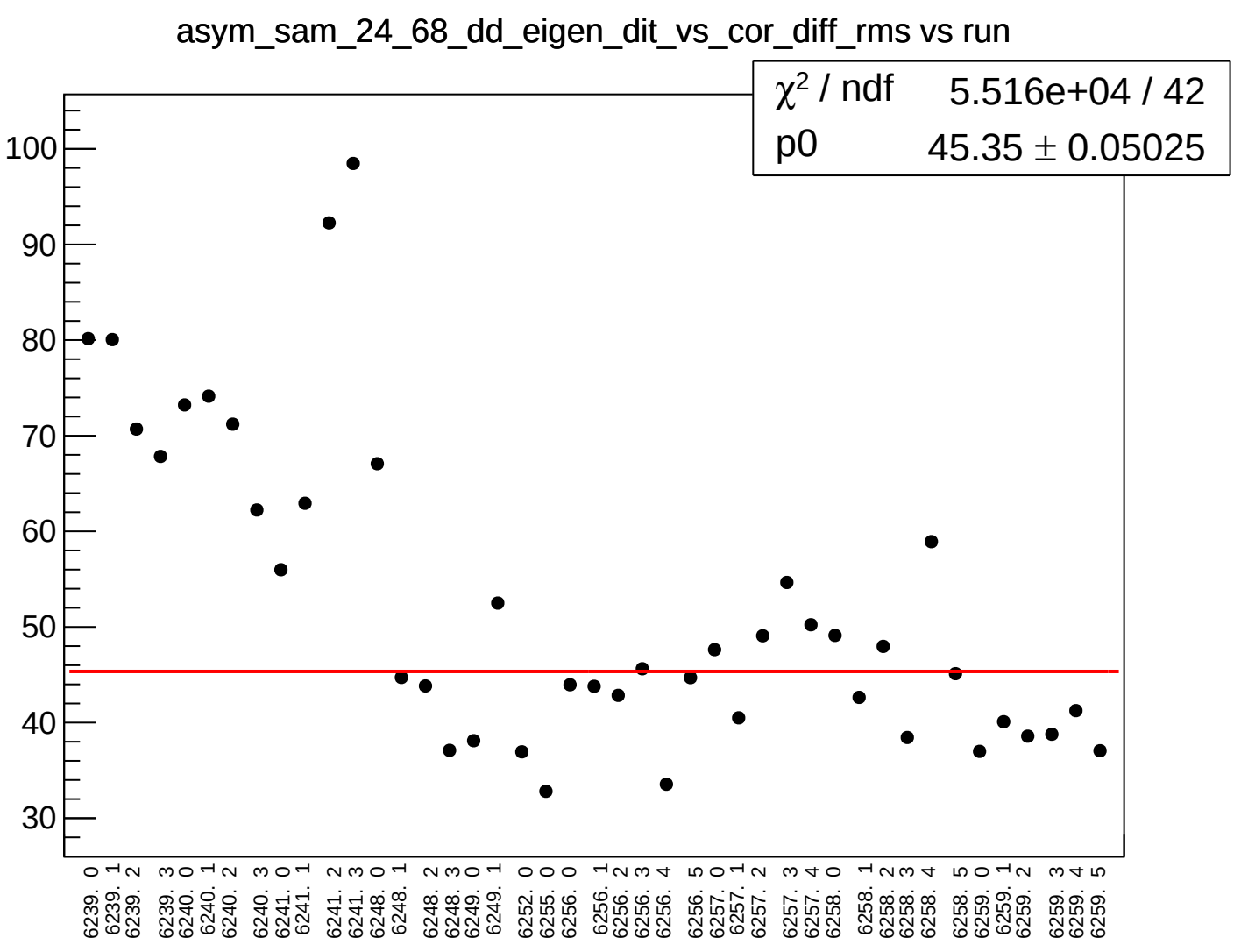

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.515e+04 / 42
p0 45.35 ± 0.05026
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

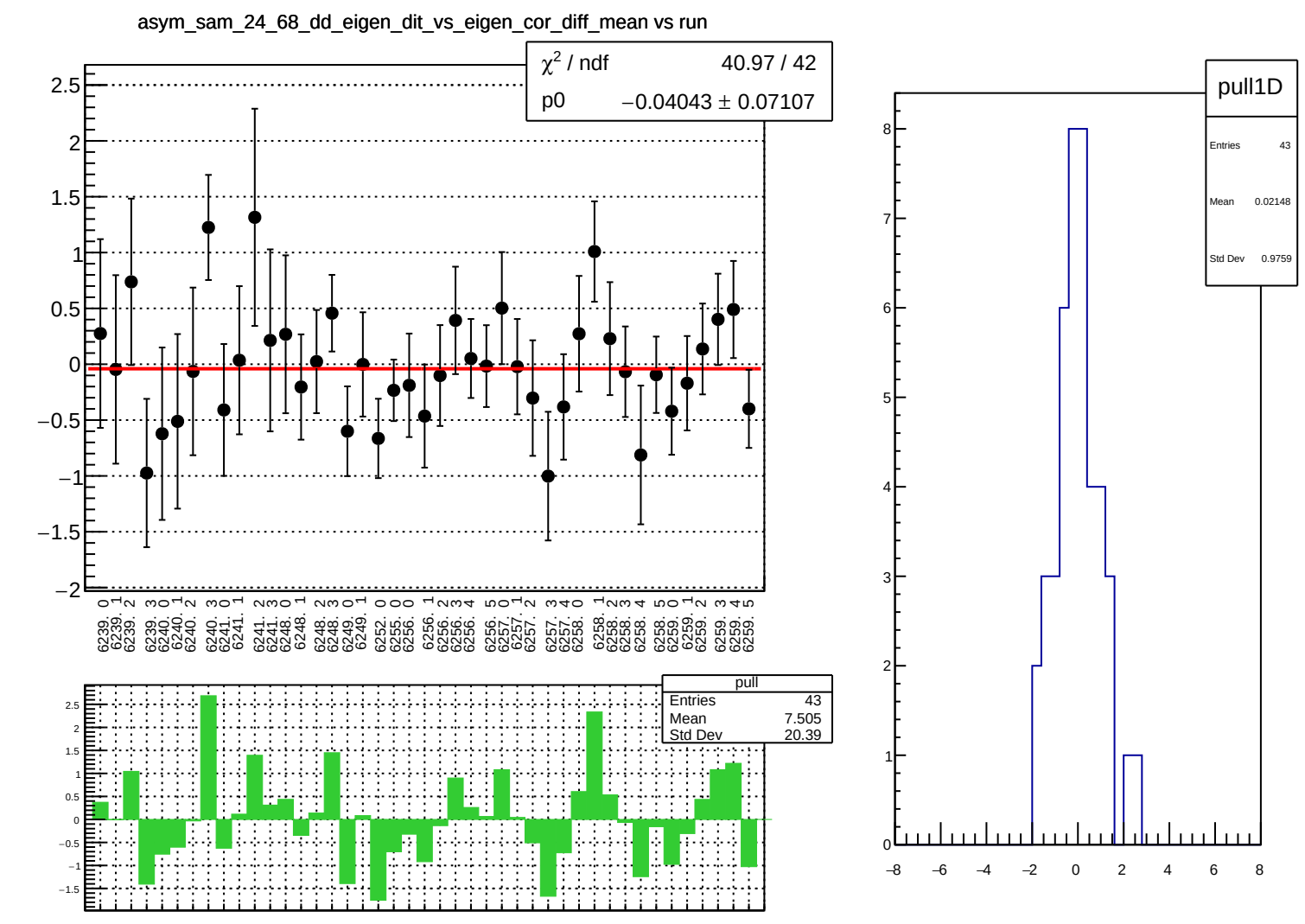

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.93 / 42
p0 2.81e−06 ± 9.521e−06
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 35.94
Std Dev 0
2
1
0
−1
−2

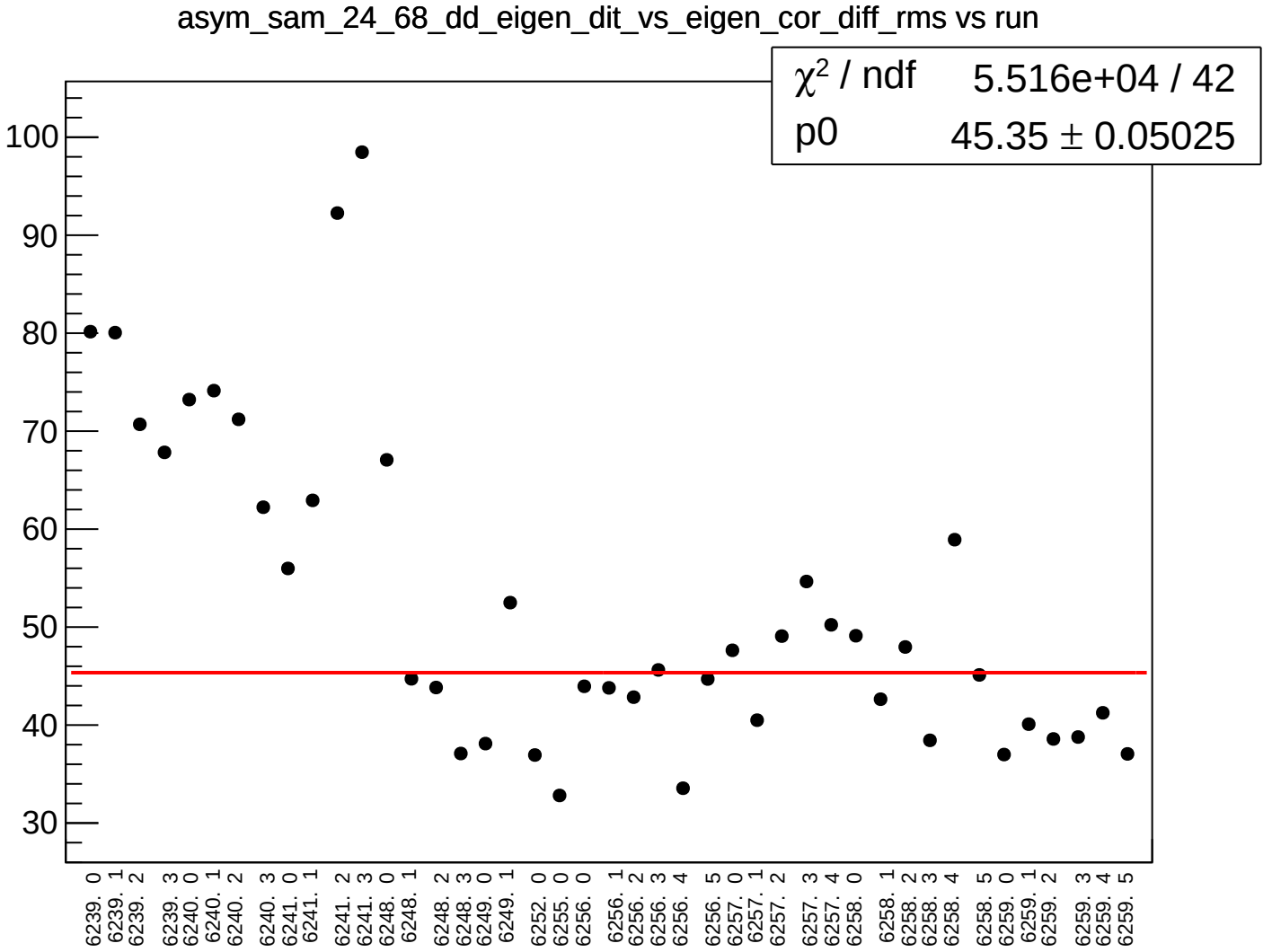

pull1D
Entries 43
Mean 0.1081
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

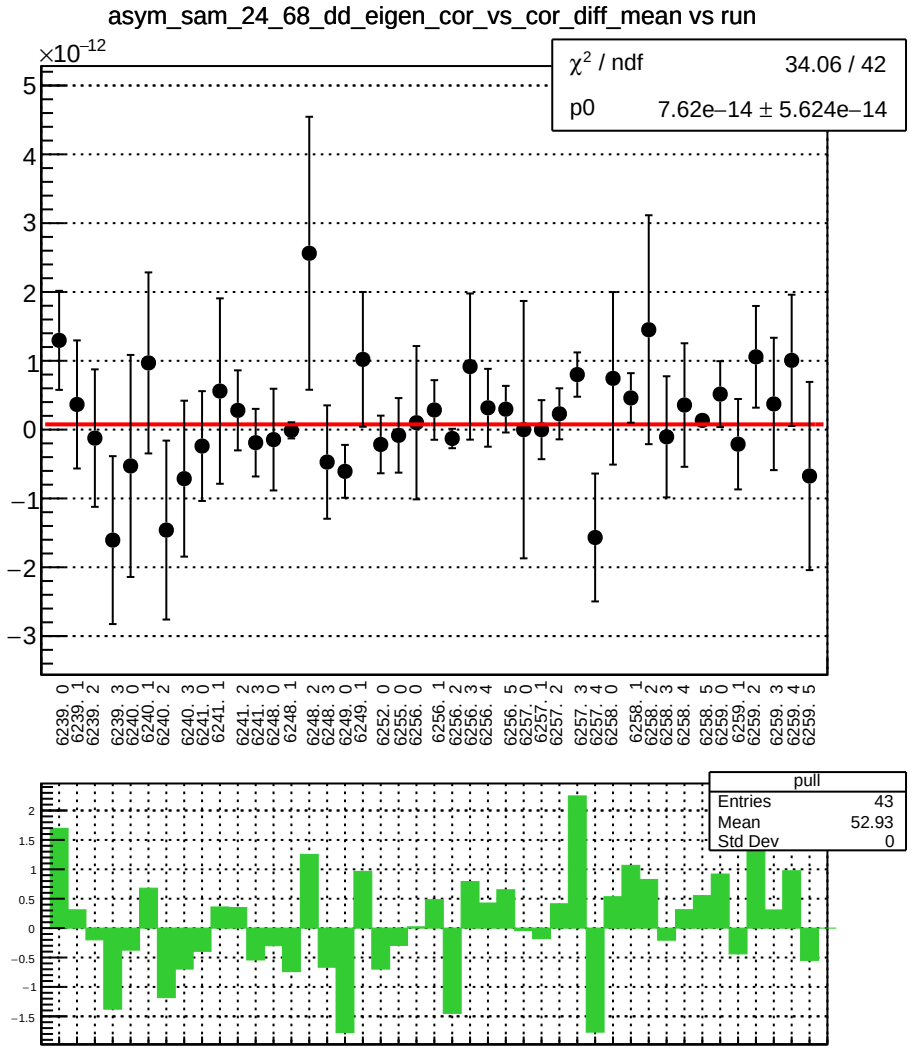

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.958e+04 / 42
p0 0.005907 ± 6.732e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

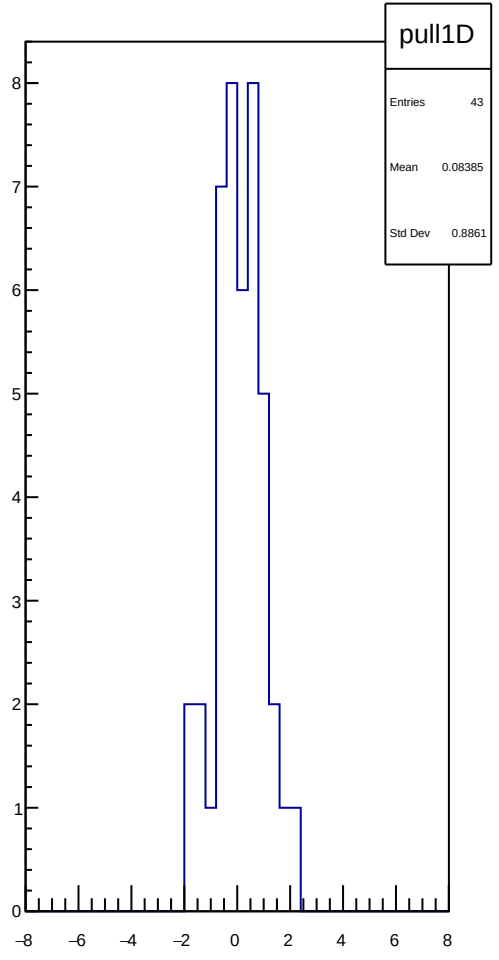

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.97 / 42
p0 −0.04043 ± 0.07107
pull
Entries 43
Mean 7.505
Std Dev 20.39
pull1D
Entries 43
Mean 0.02148
Std Dev 0.9759

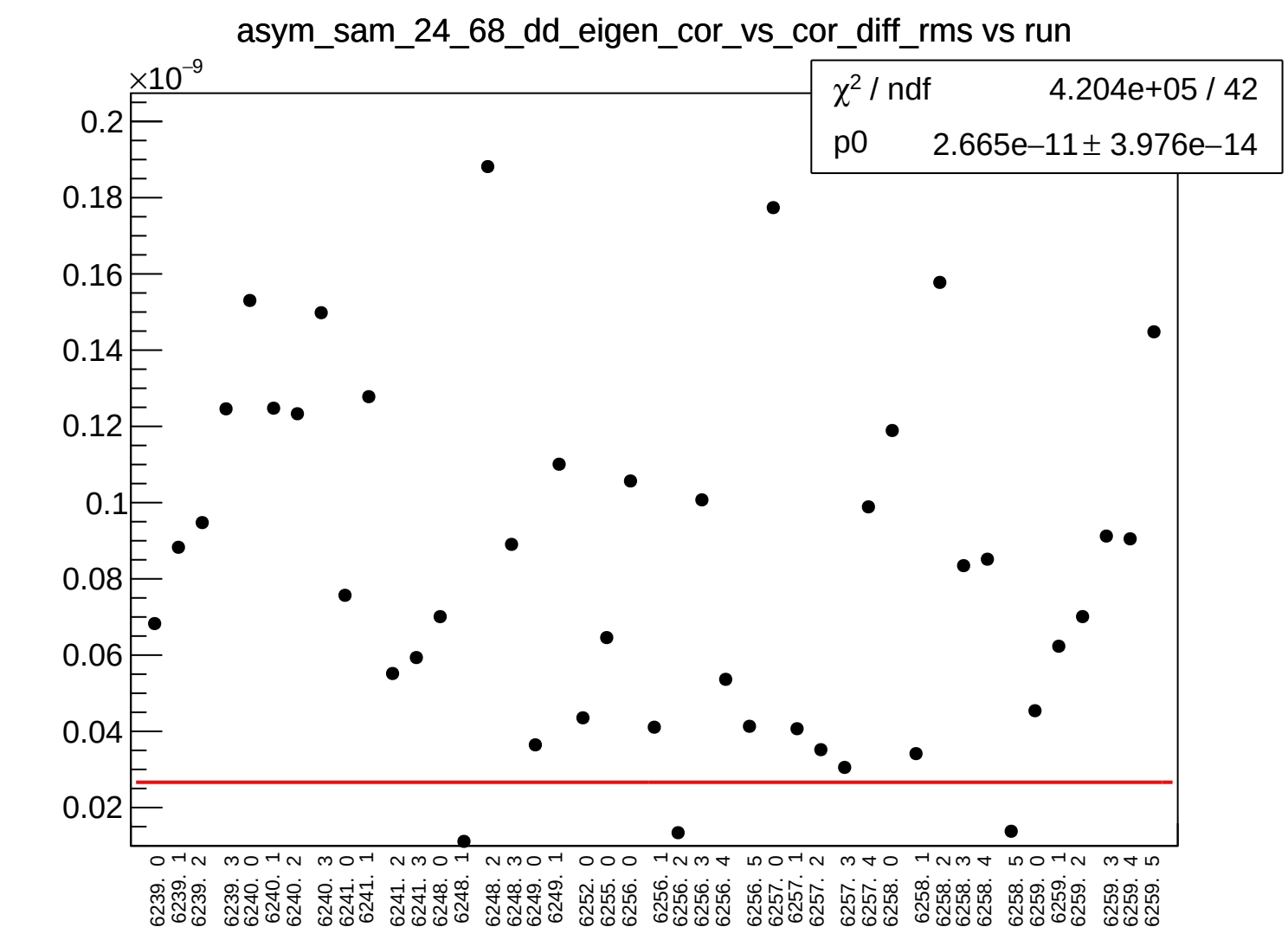

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.516e+04 / 42
p0 45.35 ± 0.05025
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

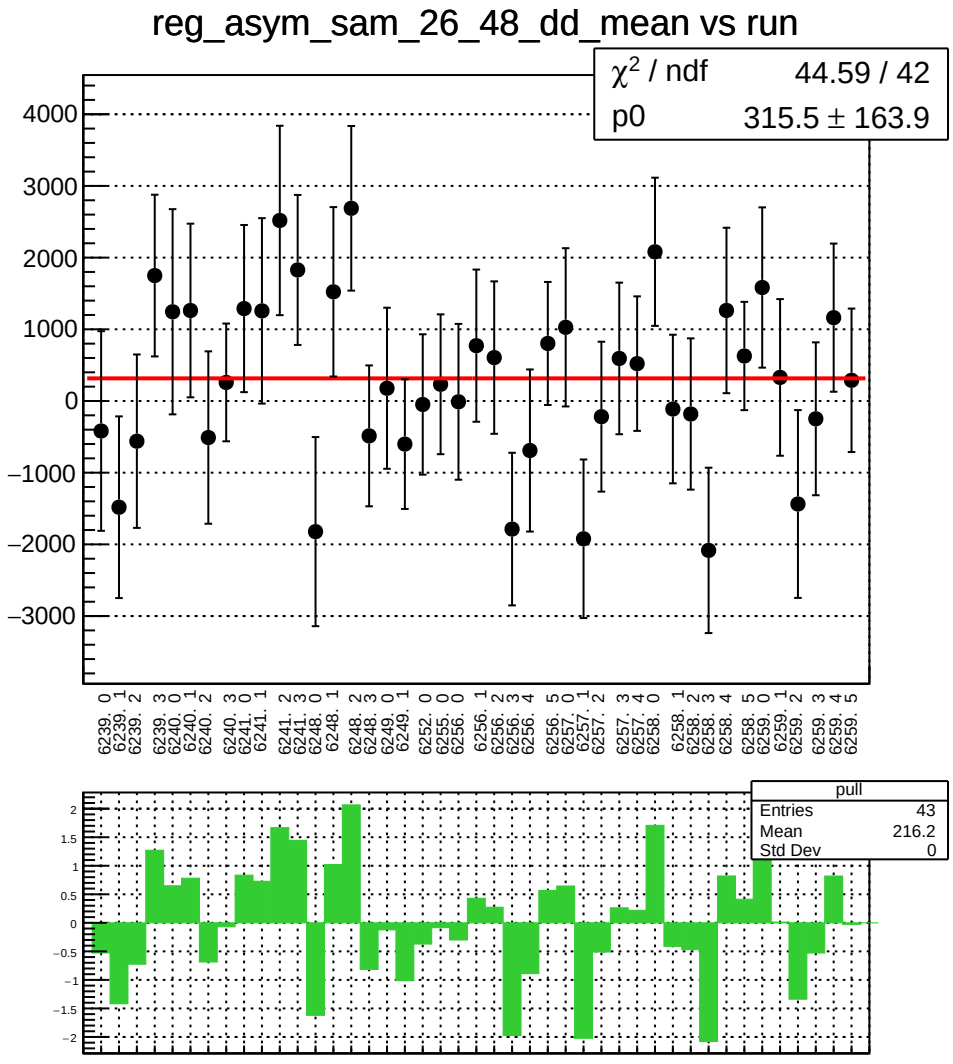

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.97 / 42
p0 −0.04043 ± 0.07107
pull
Entries 43
Mean 7.505
Std Dev 20.39
pull1D
Entries 43
Mean 0.02148
Std Dev 0.9759

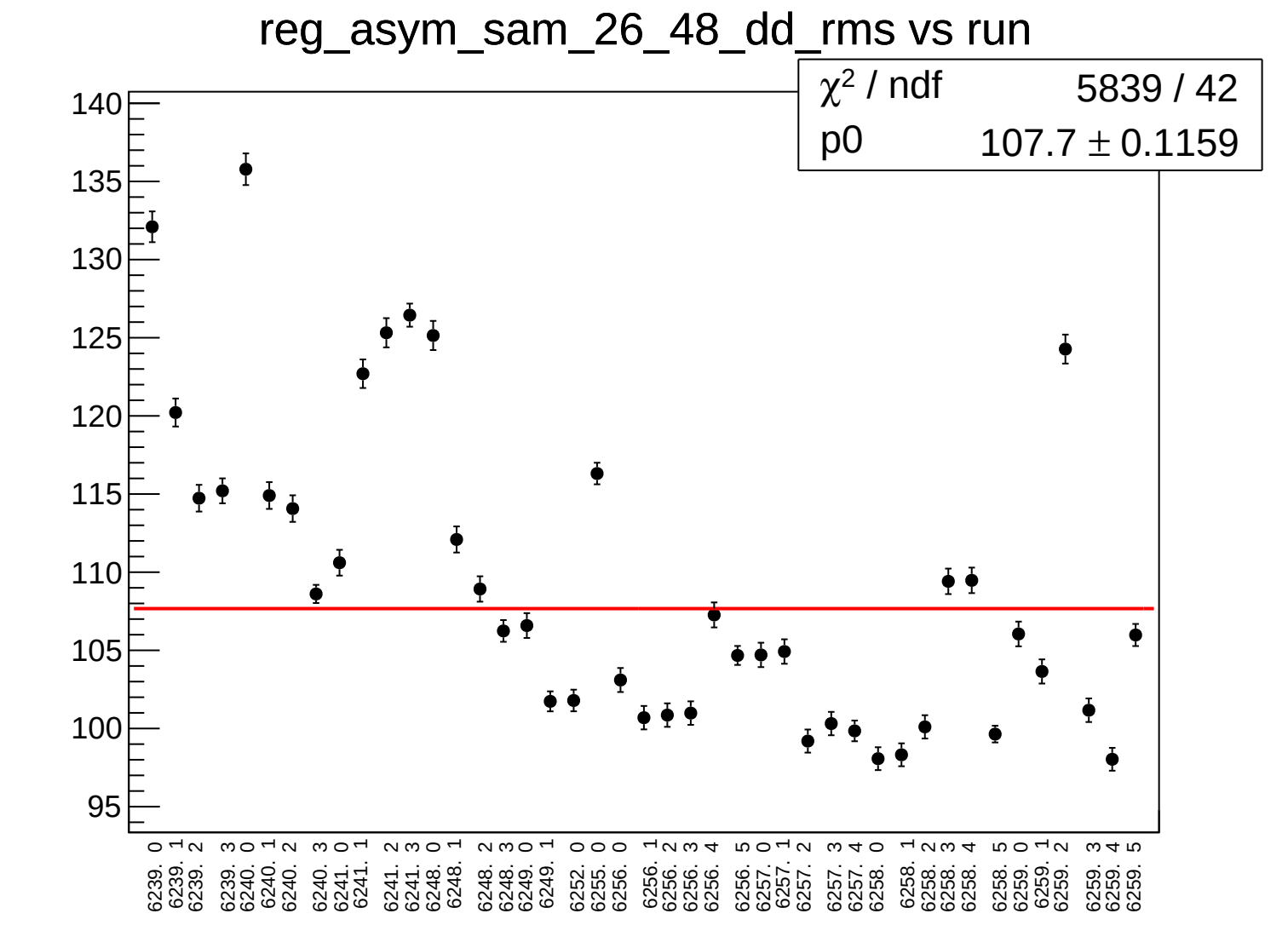

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.516e+04 / 42
p0 45.35 ± 0.05025
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

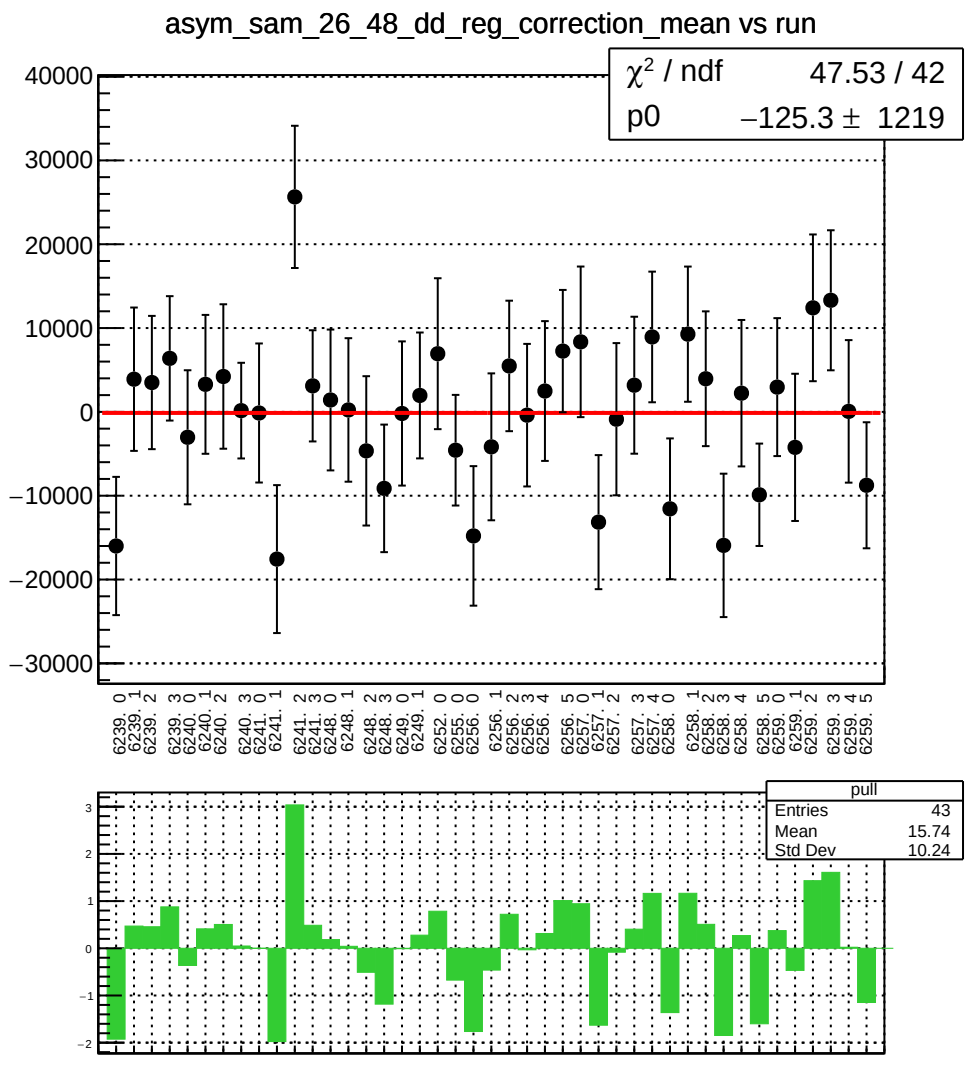

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.06 / 42
p0 7.62e−14 ± 5.624e−14
pull
Entries 43
Mean 52.93
Std Dev 0

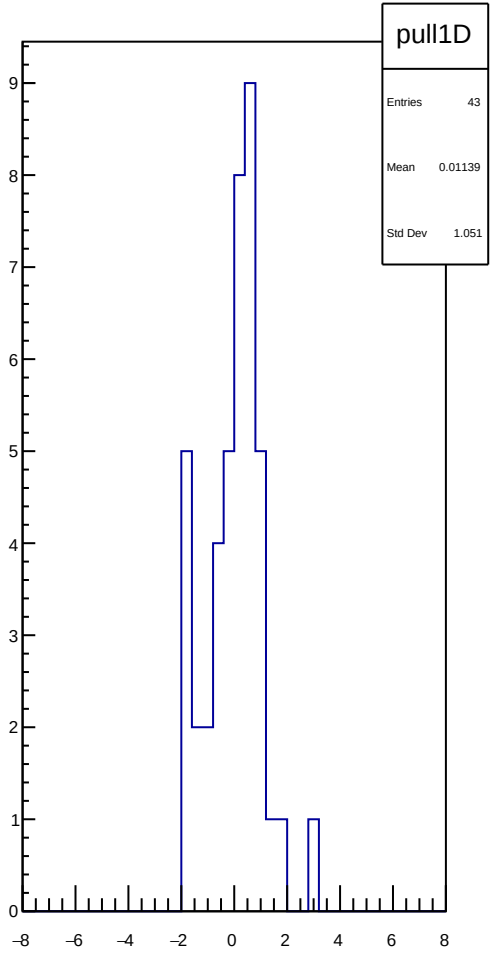

pull1D
Entries 43
Mean 0.08385
Std Dev 0.8861

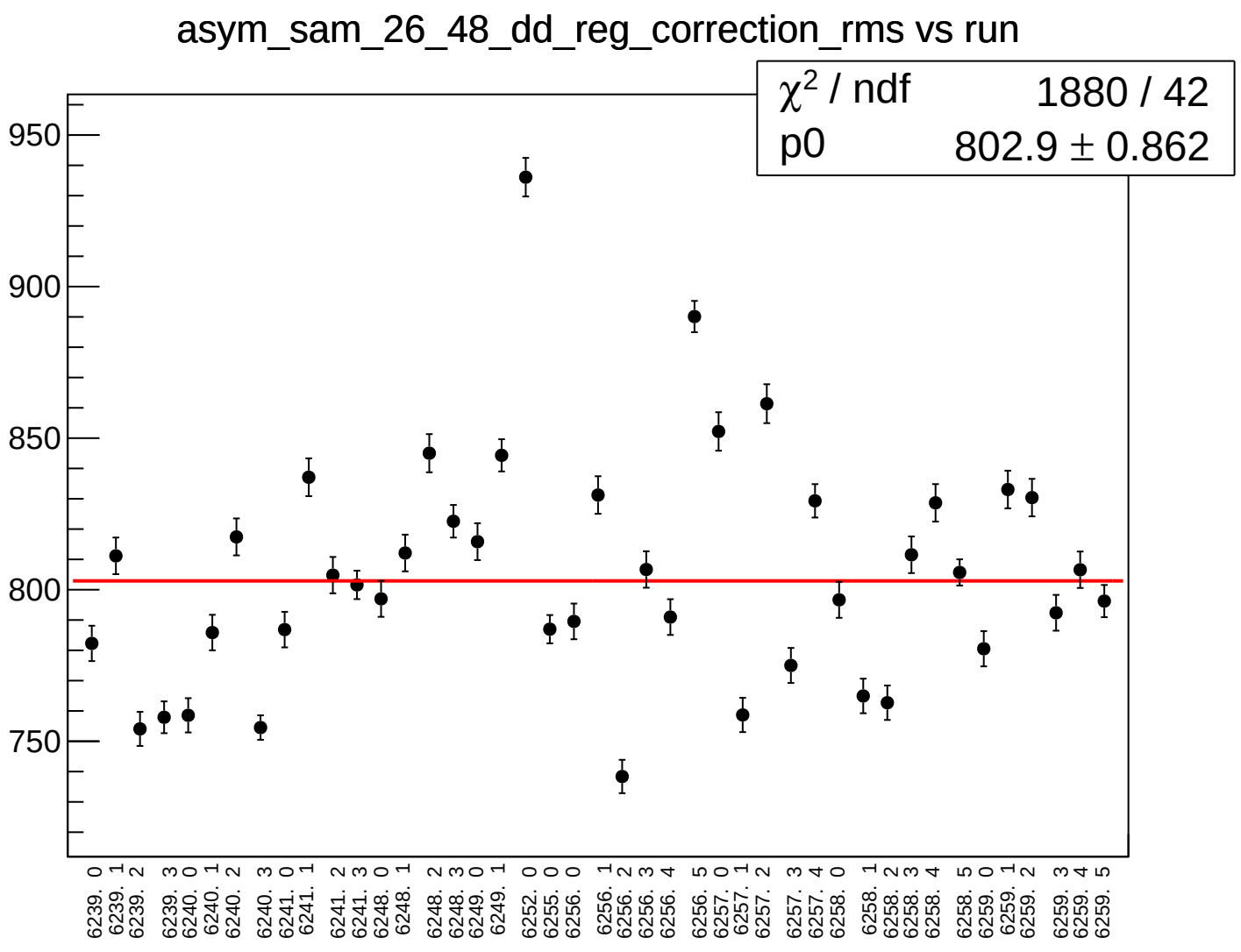

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.204e+05 / 42
p0 2.665e−11 ± 3.976e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

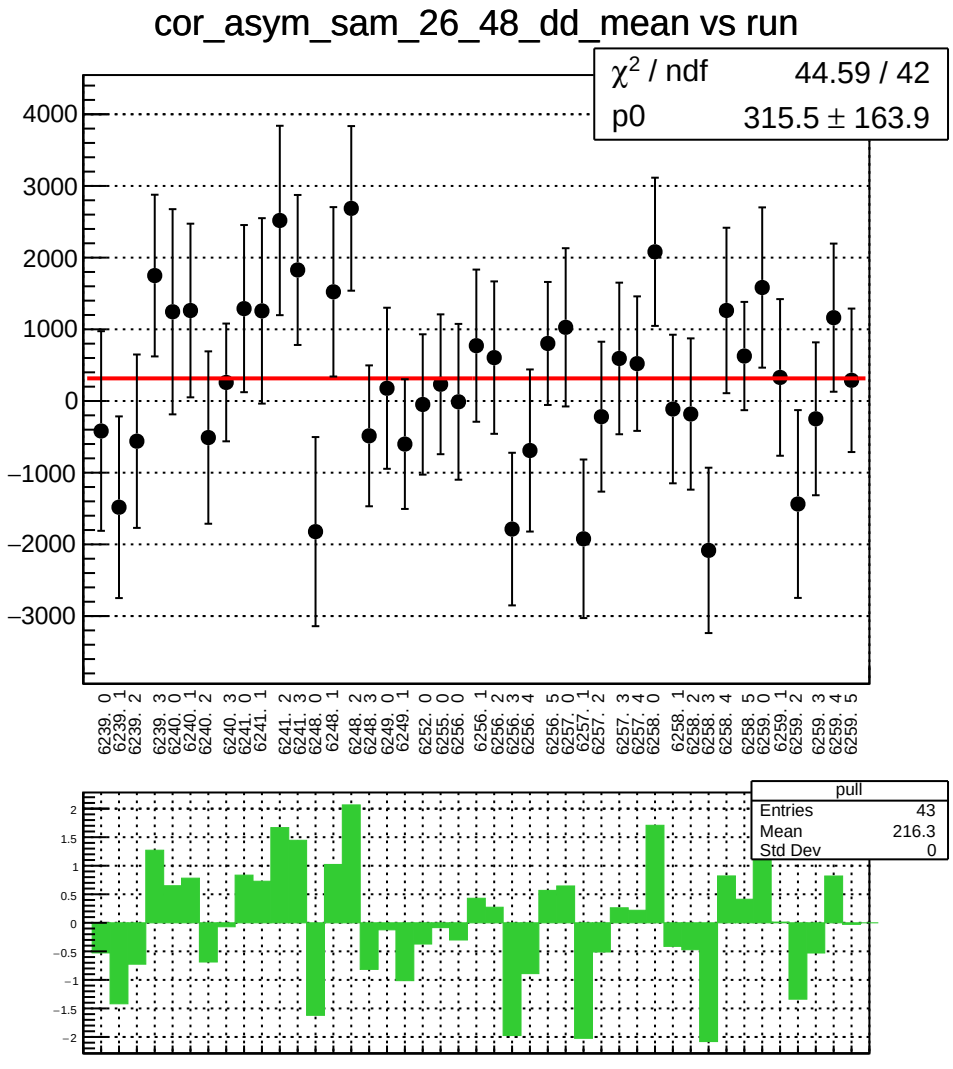

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 44.59 / 42
p0 315.5 ± 163.9
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 216.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005514
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

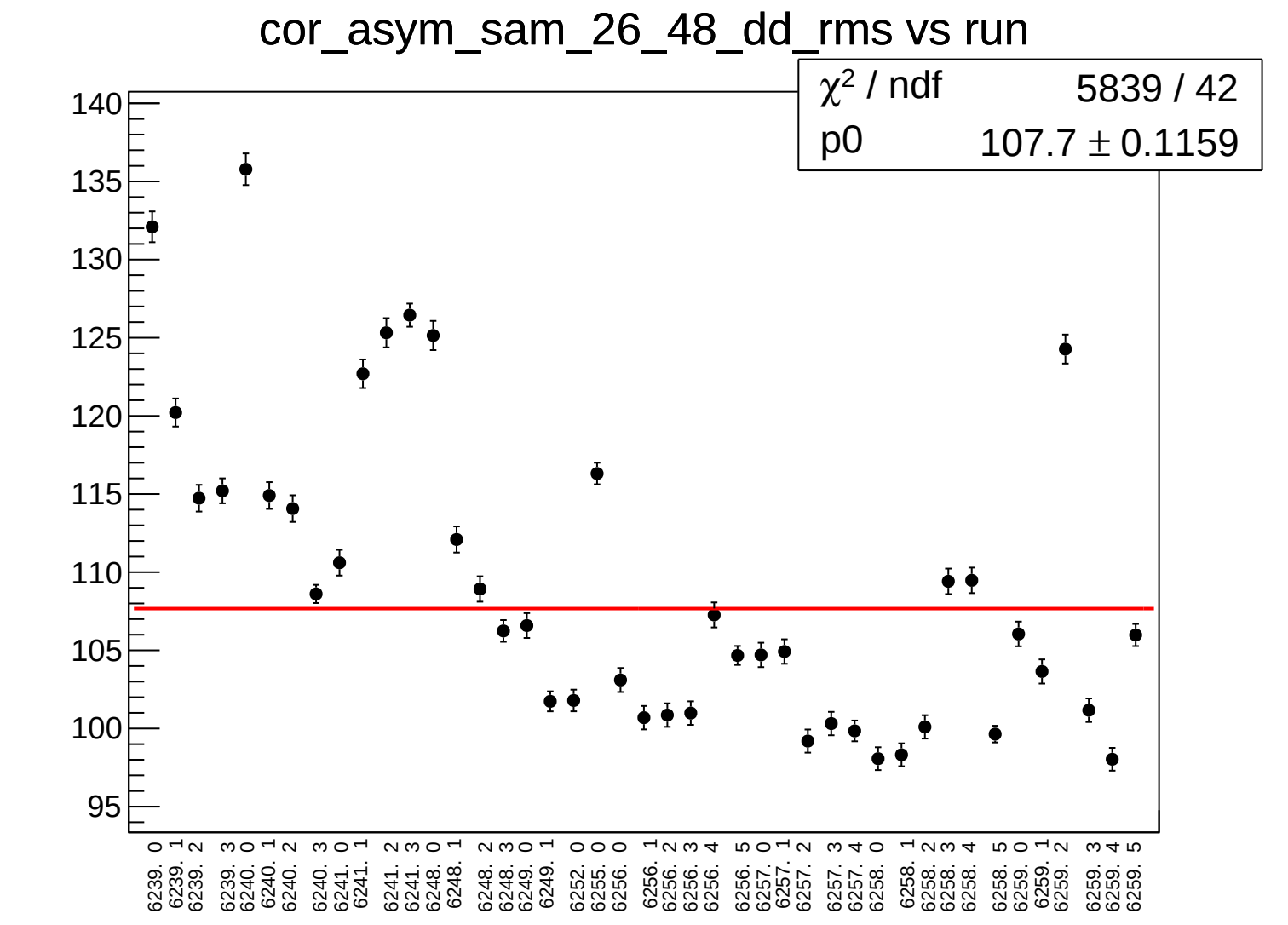

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 5839 / 42
p0 107.7 ± 0.1159
140
135
130
125
120
115
110
105
100
95
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_26_48_dd_reg_correction_mean vs run
$\chi^2$ / ndf 47.53 / 42
p0 −125.3 ± 1219
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 15.74
Std Dev 10.24
3
2
1
0
−1
−2

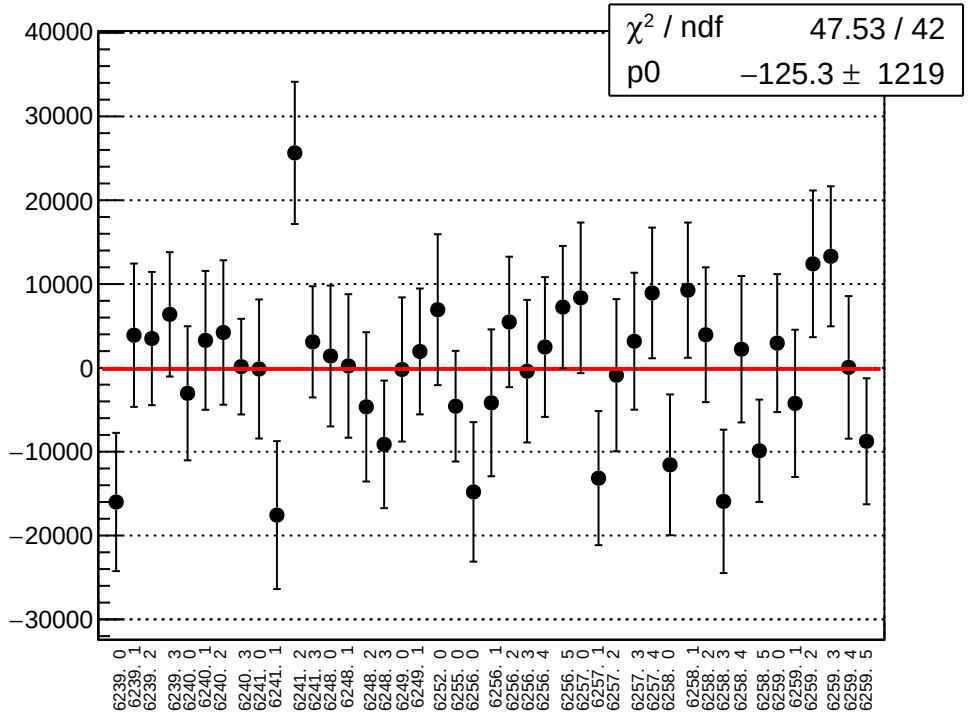

pull1D
Entries 43
Mean 0.01139
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

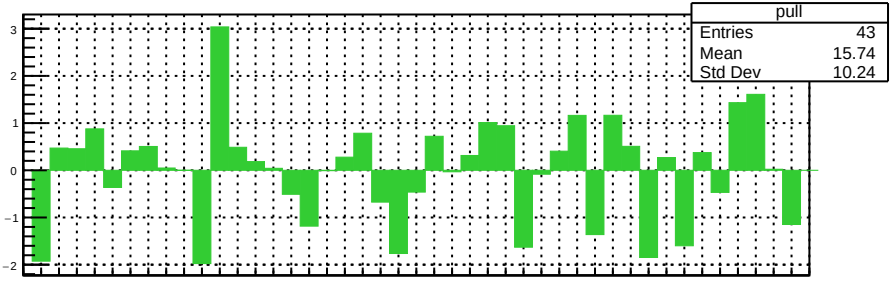

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 1880 / 42
p0 802.9 ± 0.862
950
900
850
800
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

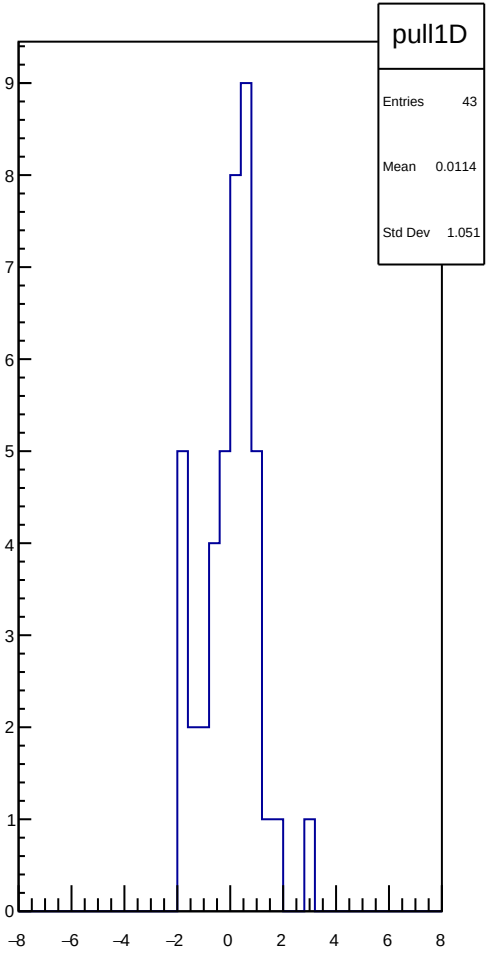

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 44.59 / 42
p0 315.5 ± 163.9
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 216.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005511
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

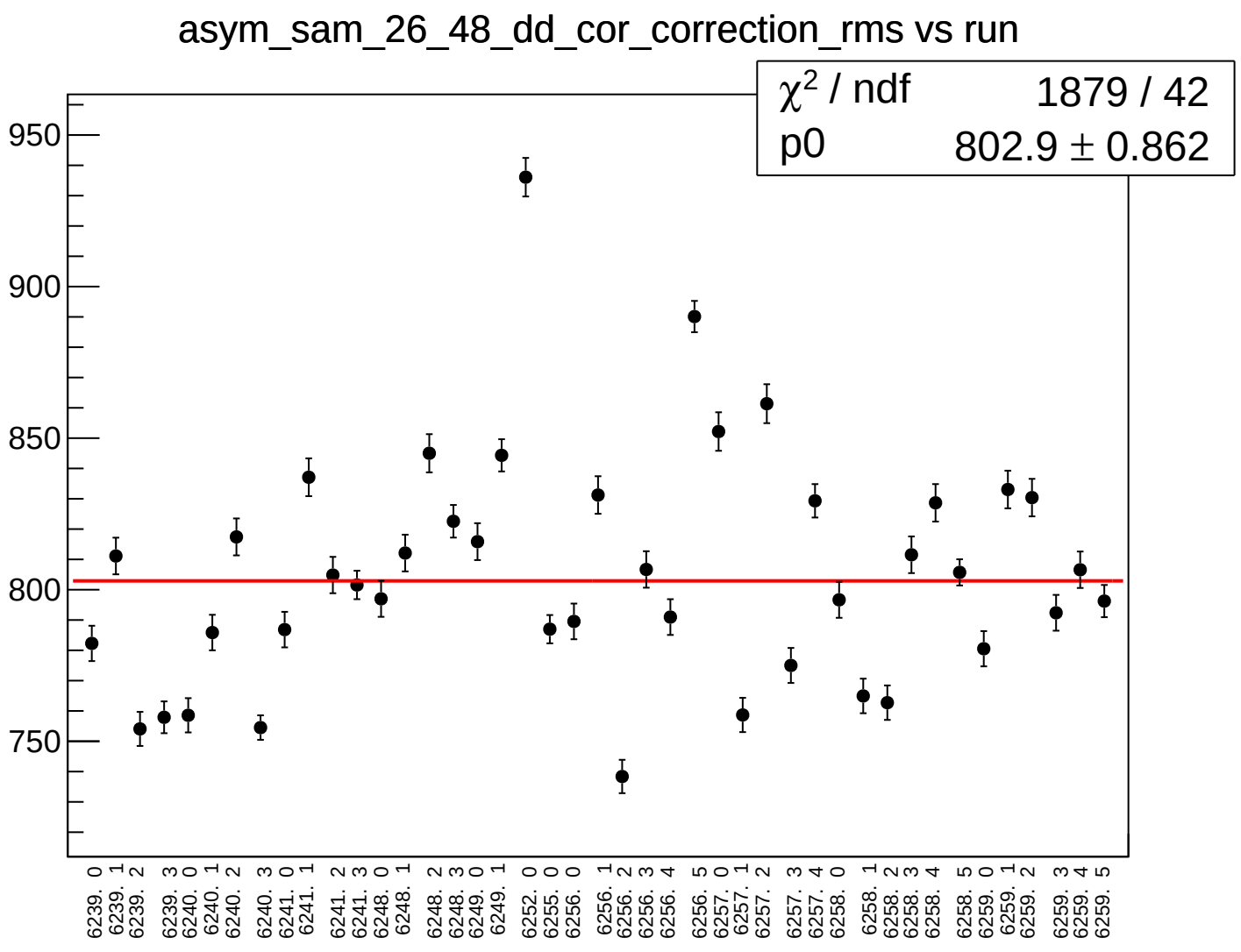

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 5839 / 42
p0 107.7 ± 0.1159
140
135
130
125
120
115
110
105
100
95
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

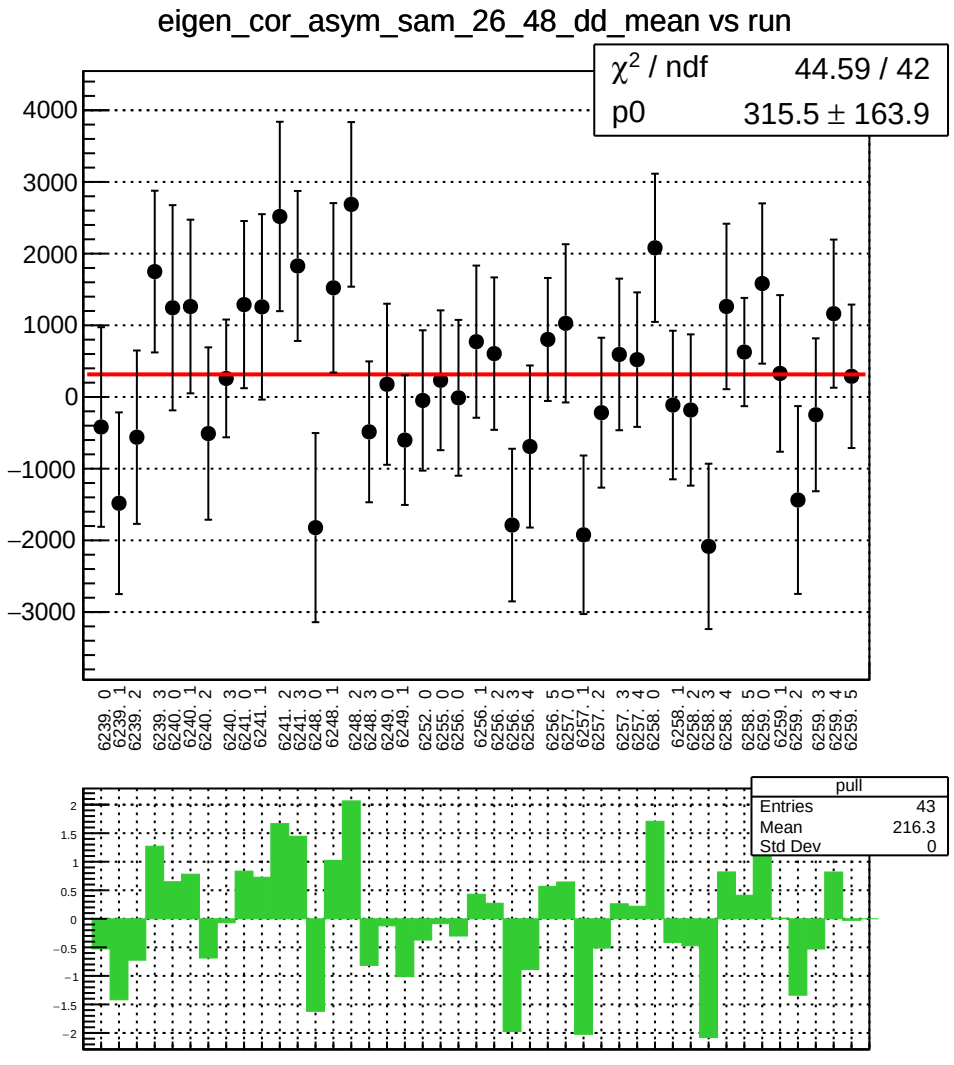
asym_sam_26_48_dd_cor_correction_mean vs run

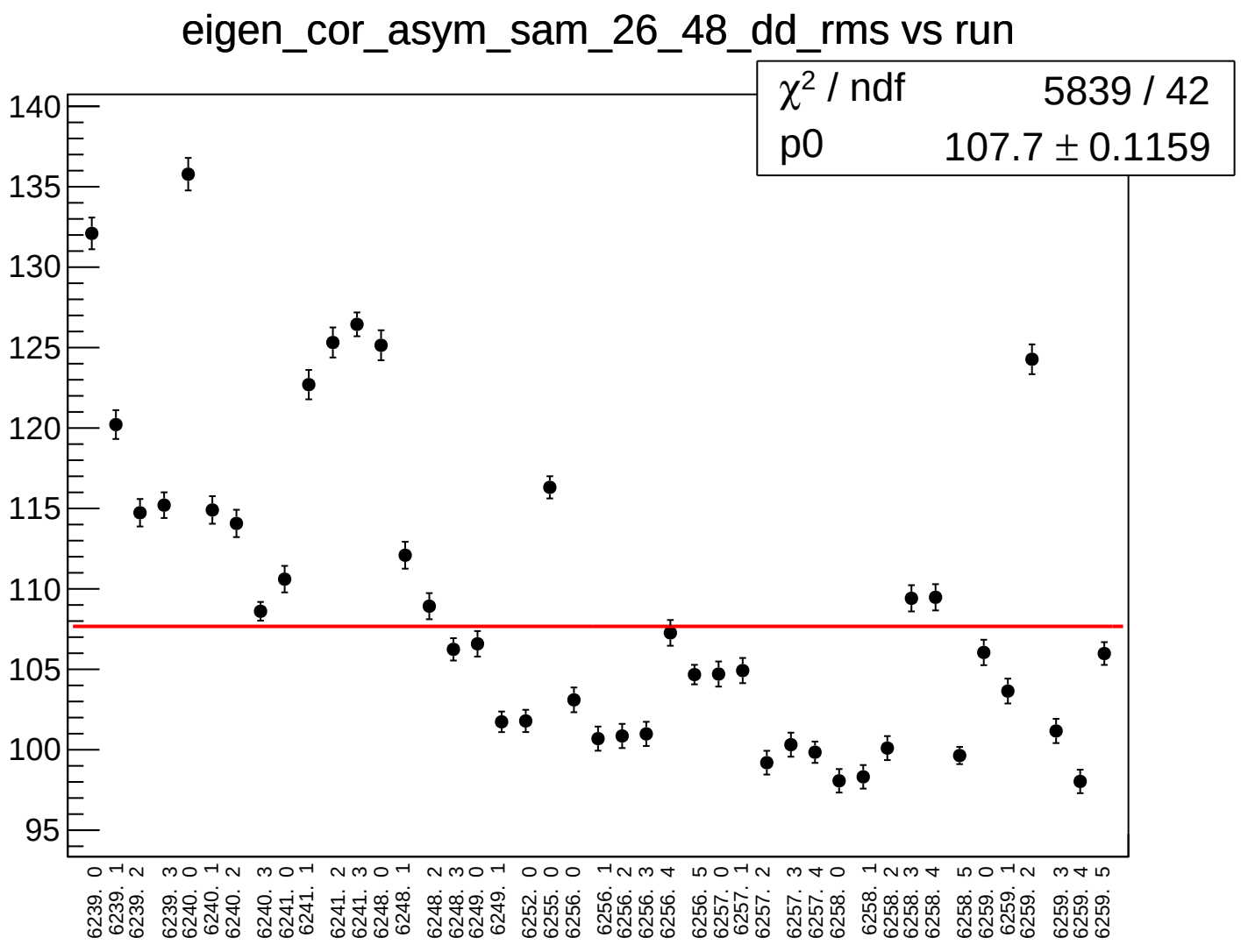



asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1879 / 42
p0 802.9 ± 0.862
950
900
850
800
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 44.59 / 42
p0 315.5 ± 163.9
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 216.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.005511
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 5839 / 42
p0 107.7 ± 0.1159
140
135
130
125
120
115
110
105
100
95
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
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6257. 2
6257. 3
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6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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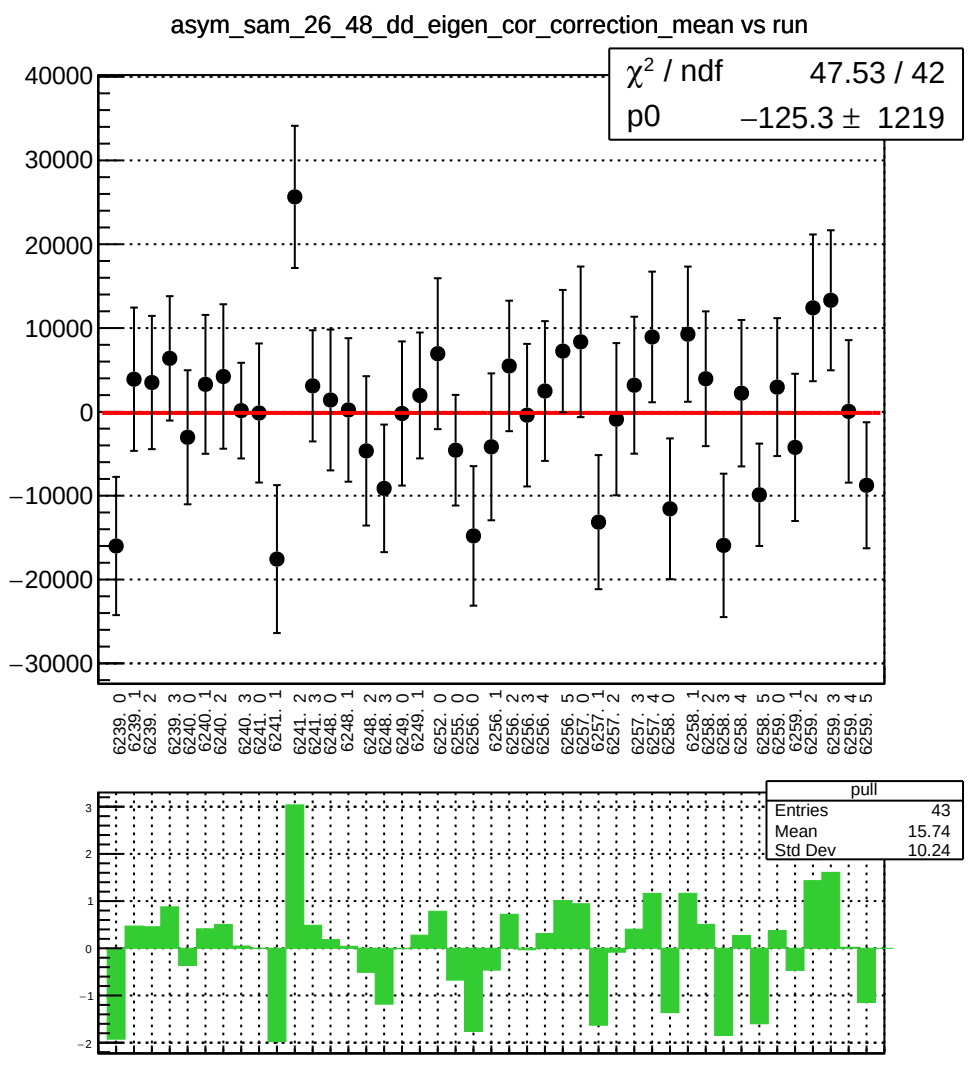
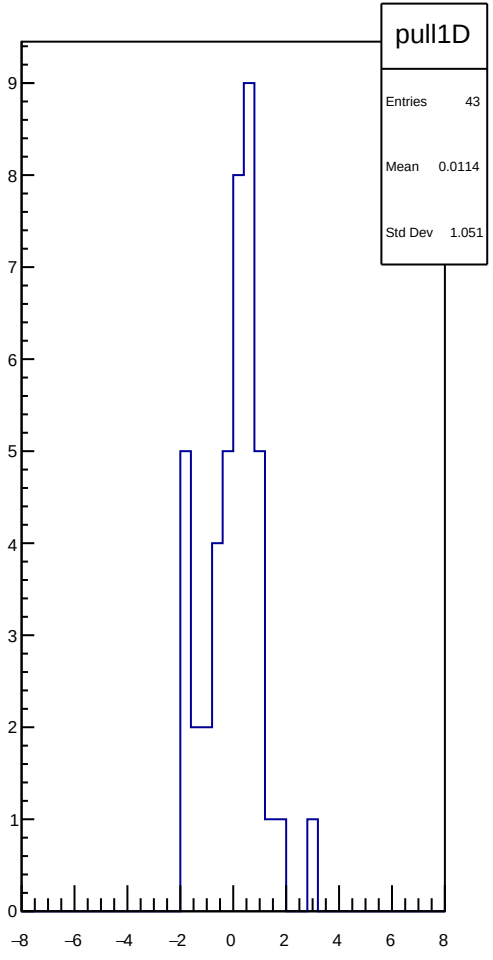
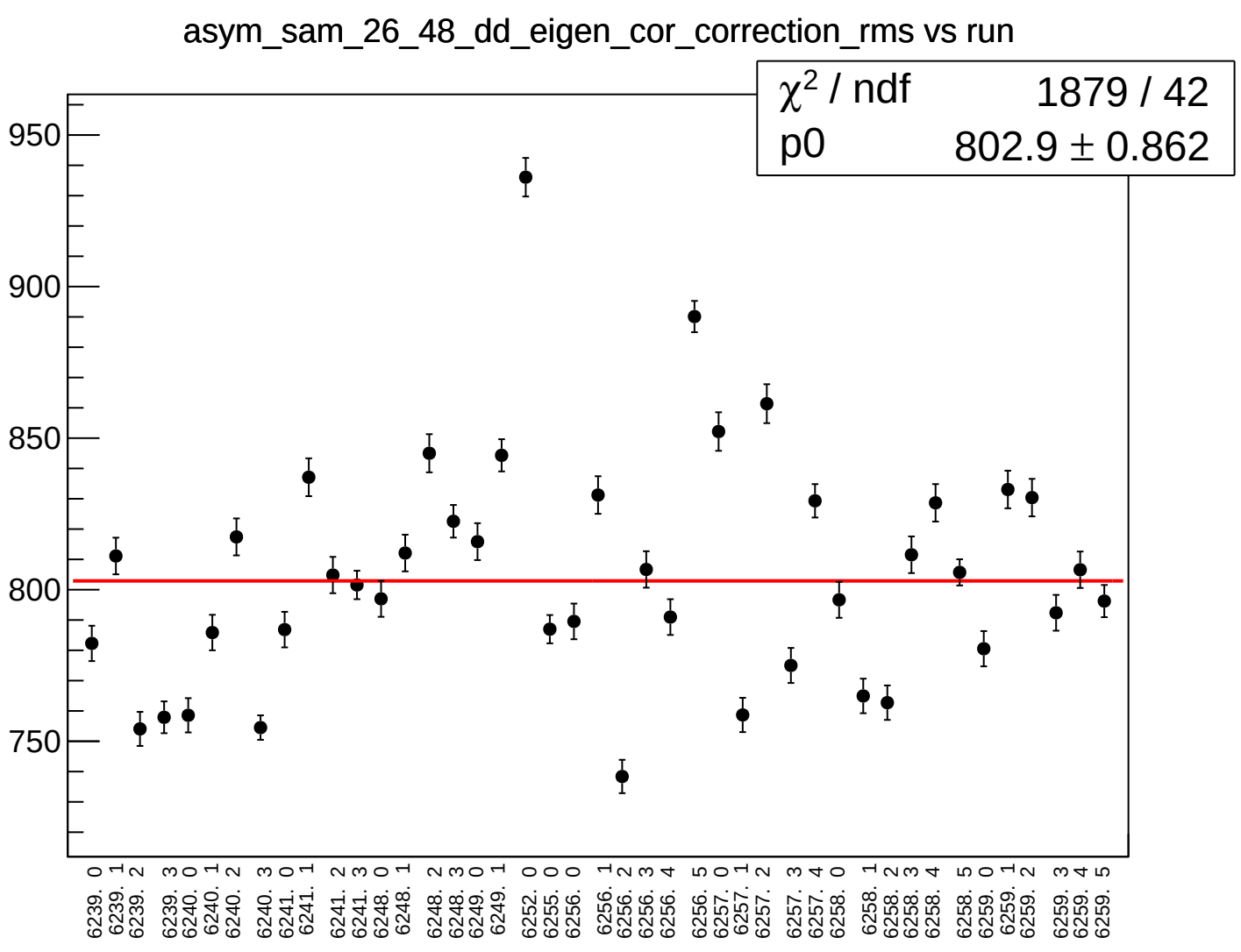
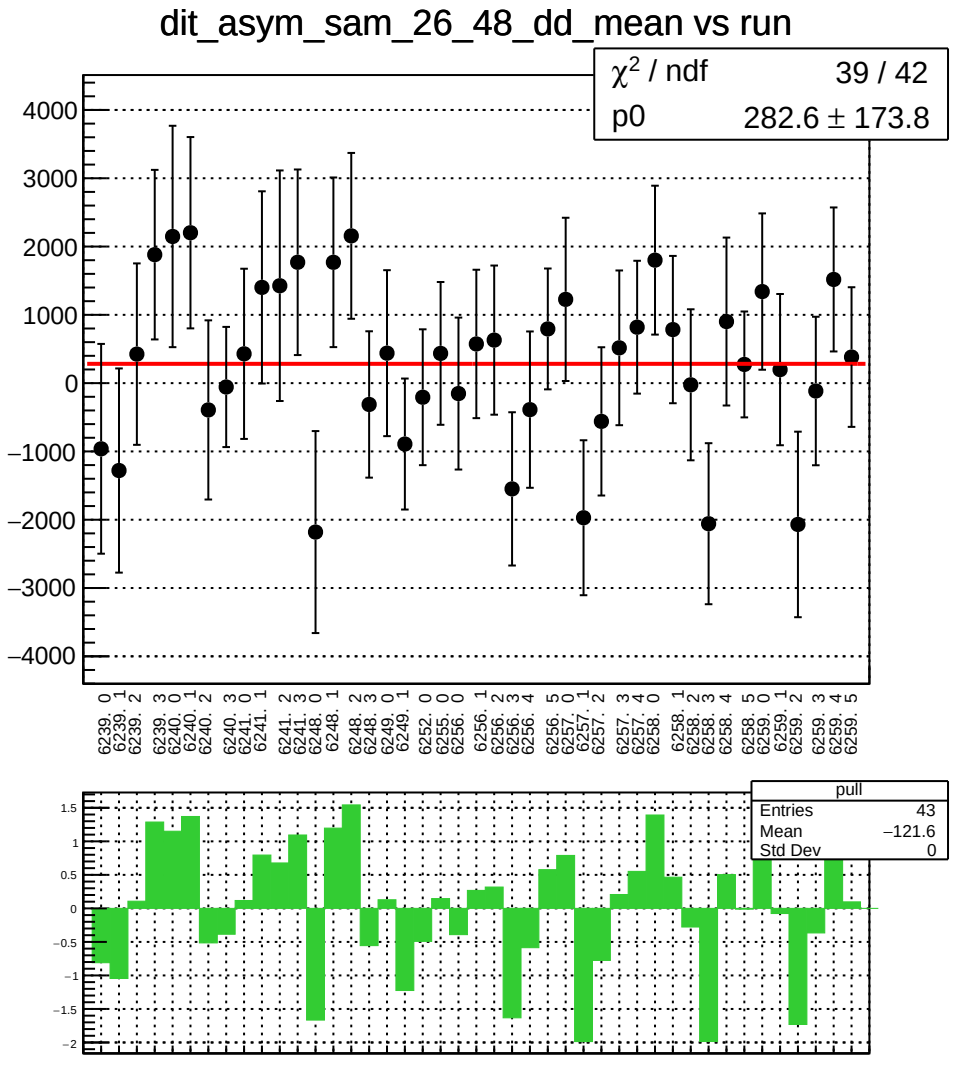
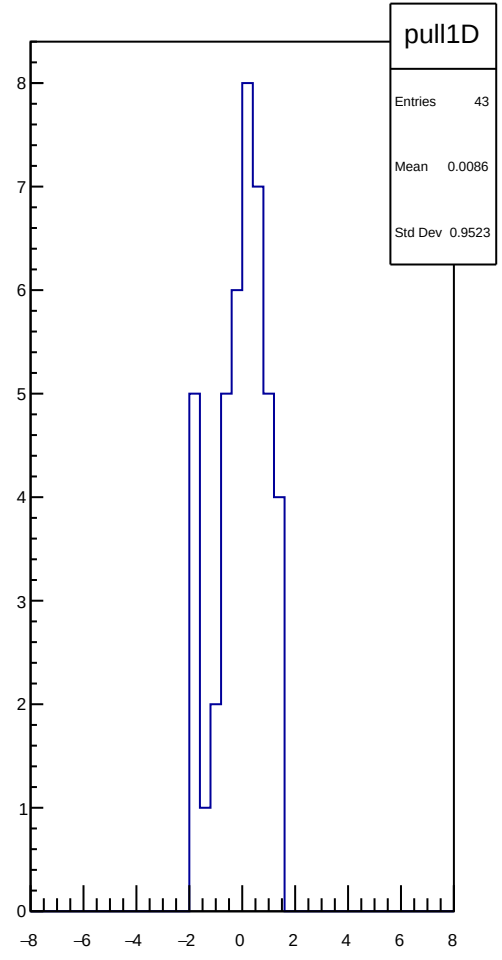
6259. 3
6259. 4
6259. 5

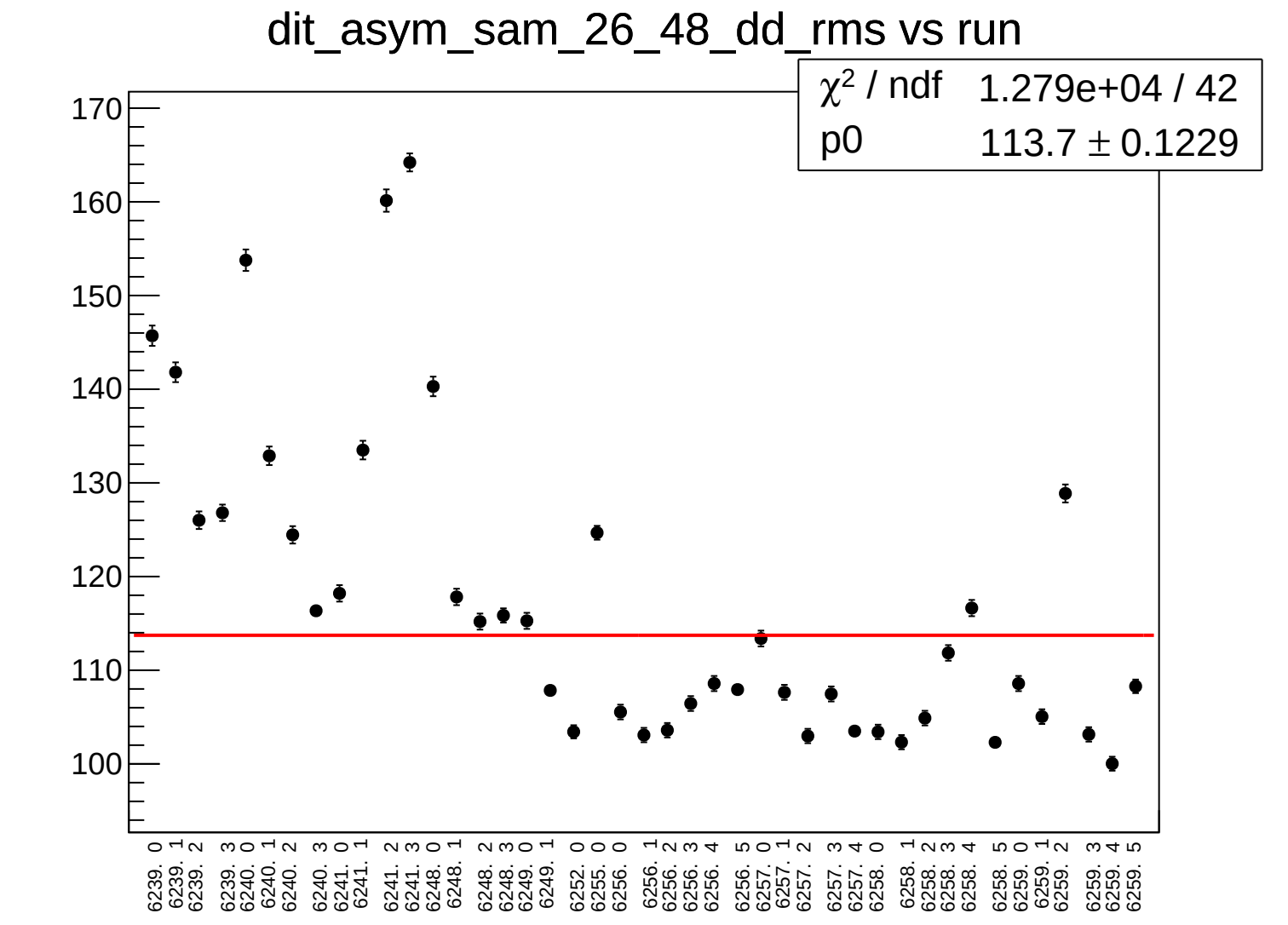

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 47.53 / 42
p0 −125.3 ± 1219
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 15.74
Std Dev 10.24
3
2
1
0
−1
−2

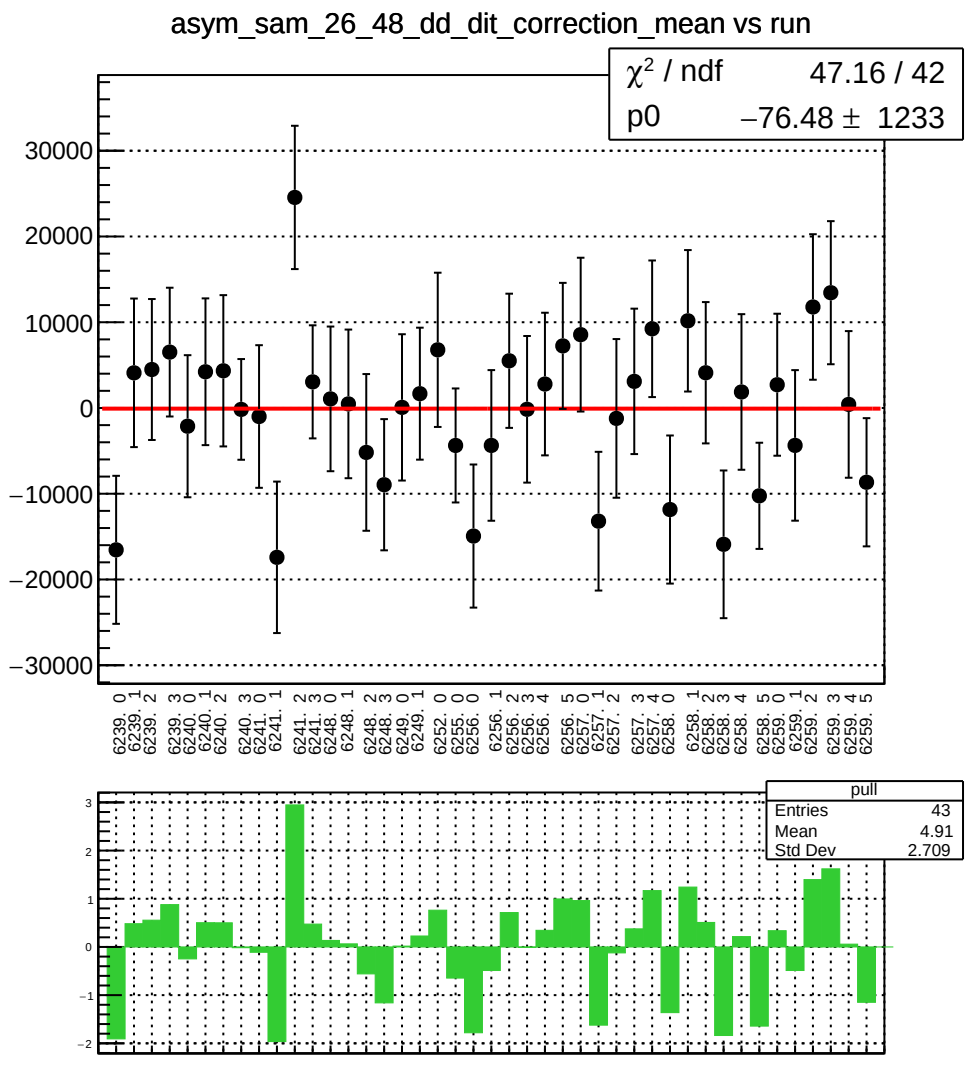

pull1D
Entries 43
Mean 0.0114
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

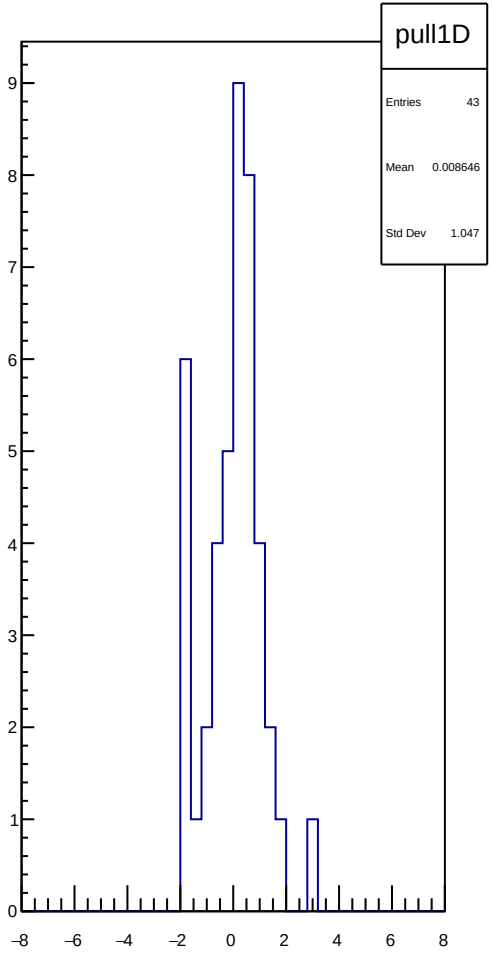

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1879 / 42
p0 802.9 ± 0.862
950
900
850
800
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

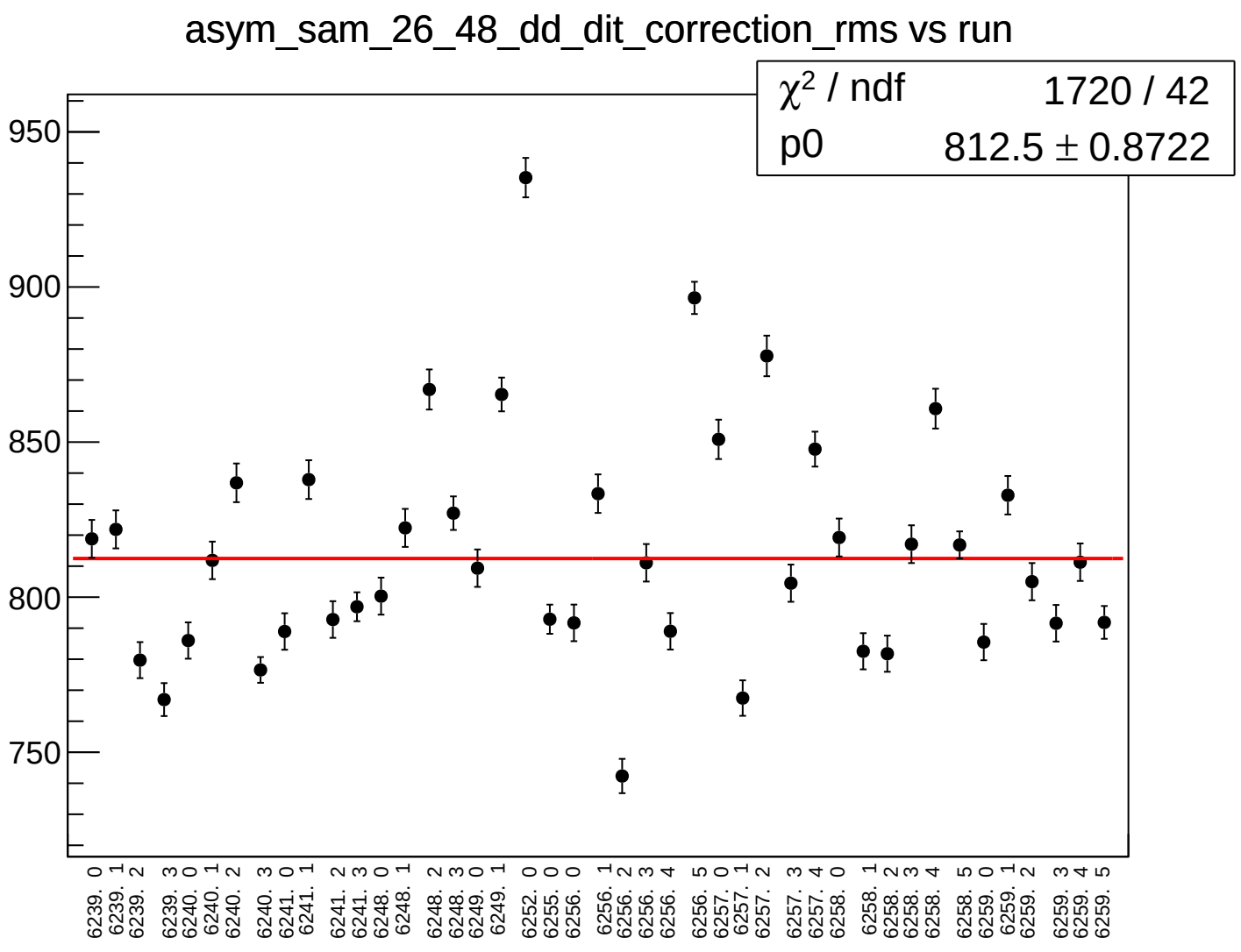

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 39 / 42
p0 282.6 ± 173.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −121.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

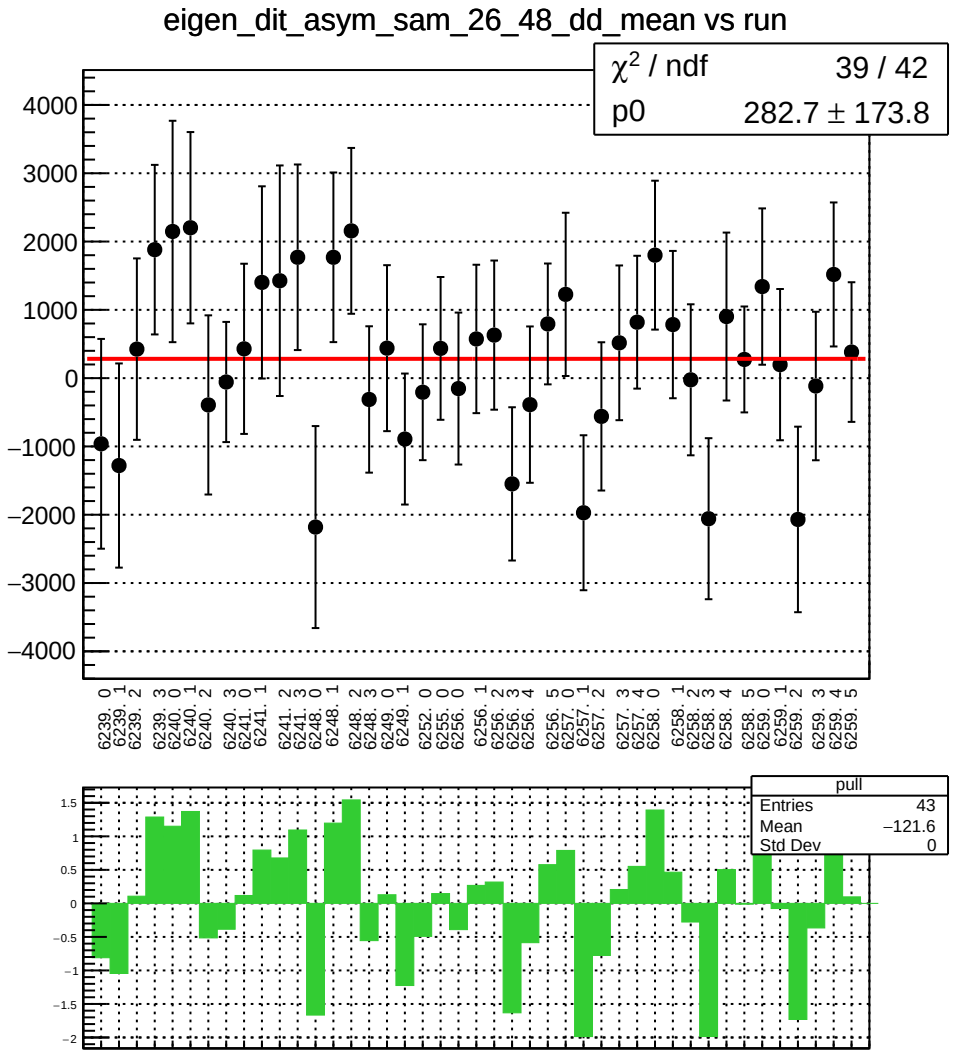

pull1D
Entries 43
Mean 0.0086
Std Dev 0.9523
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

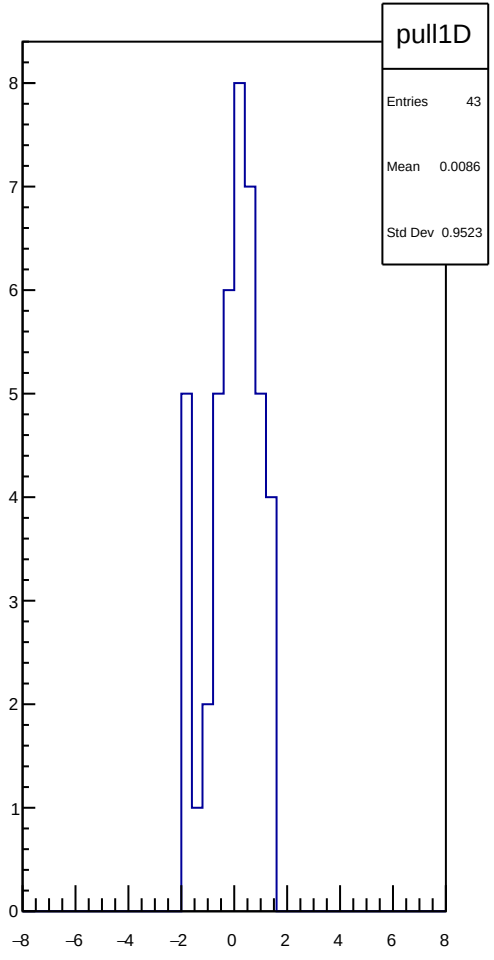

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.279e+04 / 42
p0 113.7 ± 0.1229
170
160
150
140
130
120
110
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

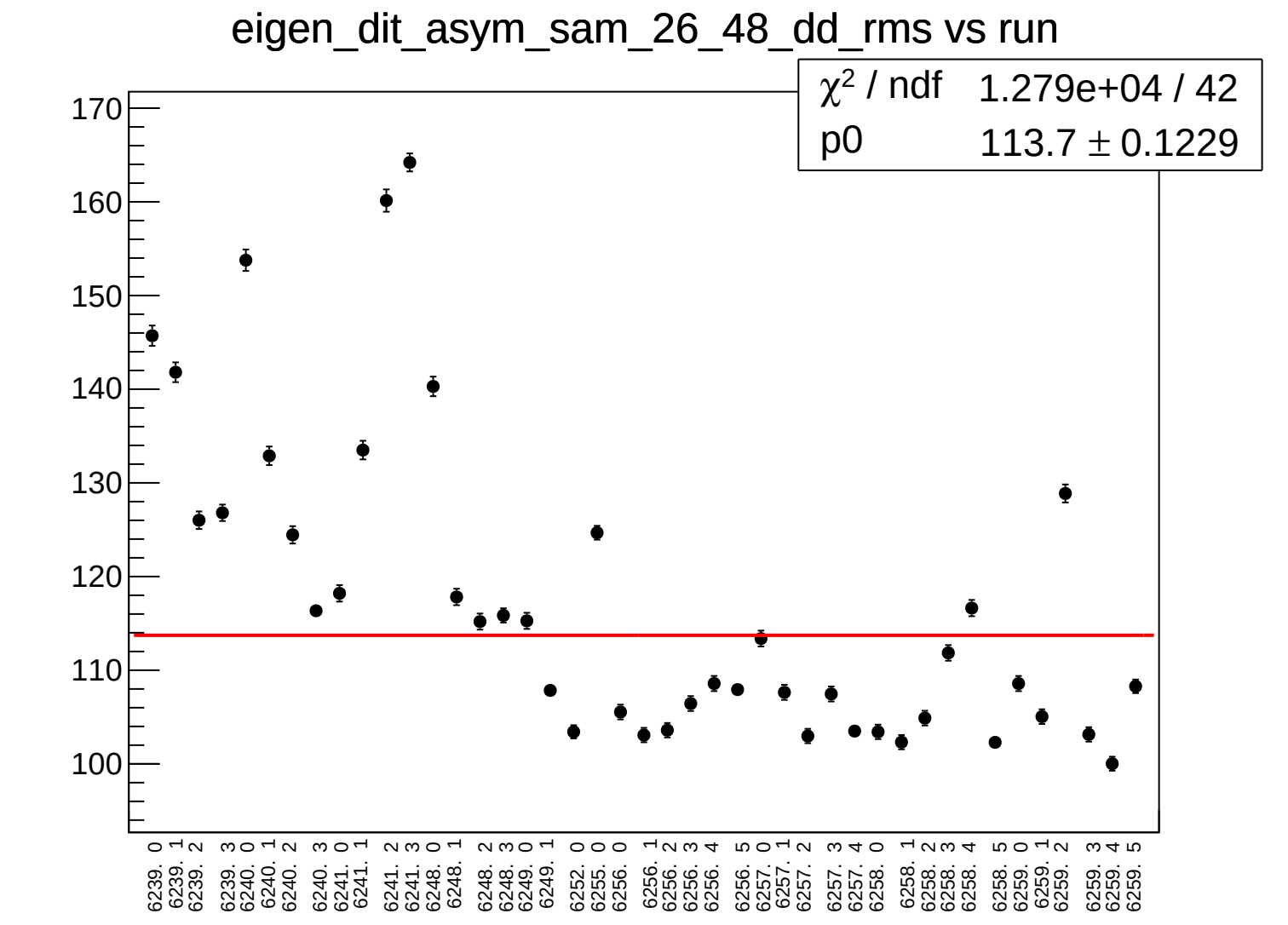

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 47.16 / 42
p0 −76.48 ± 1233
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 4.91
Std Dev 2.709
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.008646
Std Dev 1.047
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

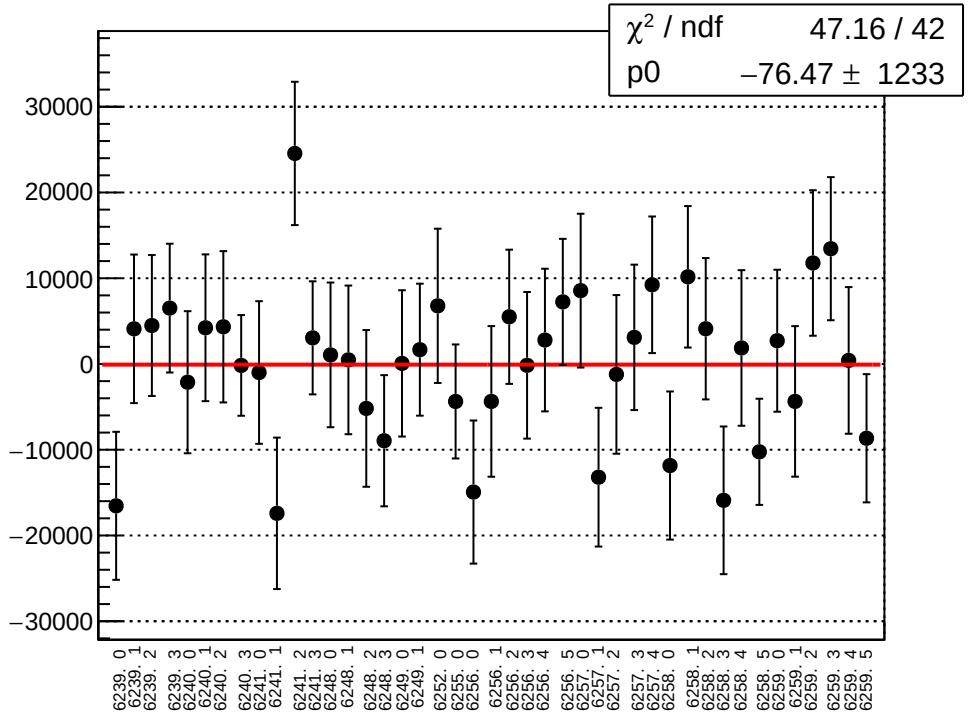

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1720 / 42
p0 812.5 ± 0.8722
950
900
850
800
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

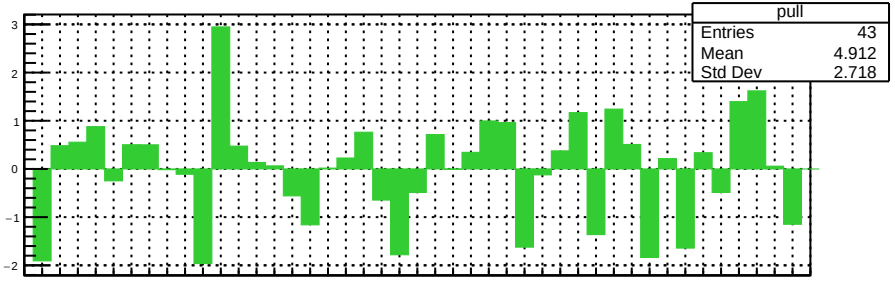

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 39 / 42
p0 282.7 ± 173.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −121.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

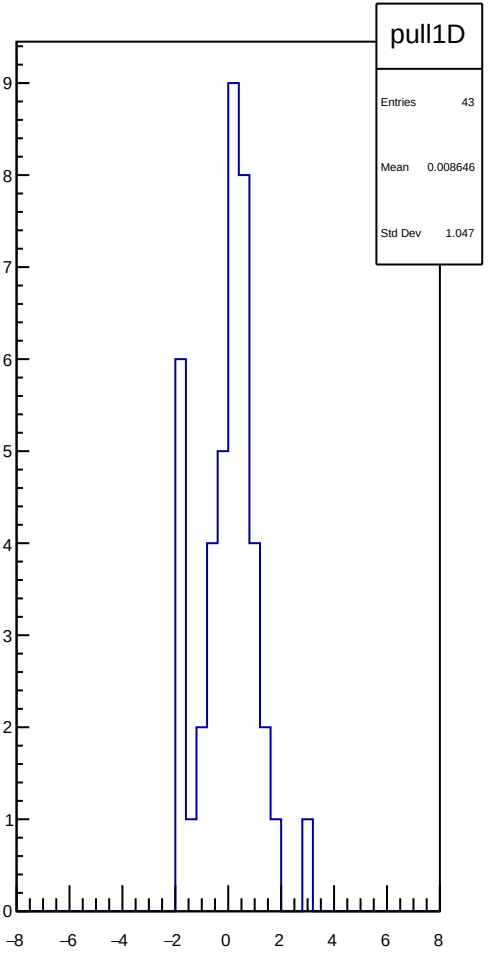

pull1D
Entries 43
Mean 0.0086
Std Dev 0.9523
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

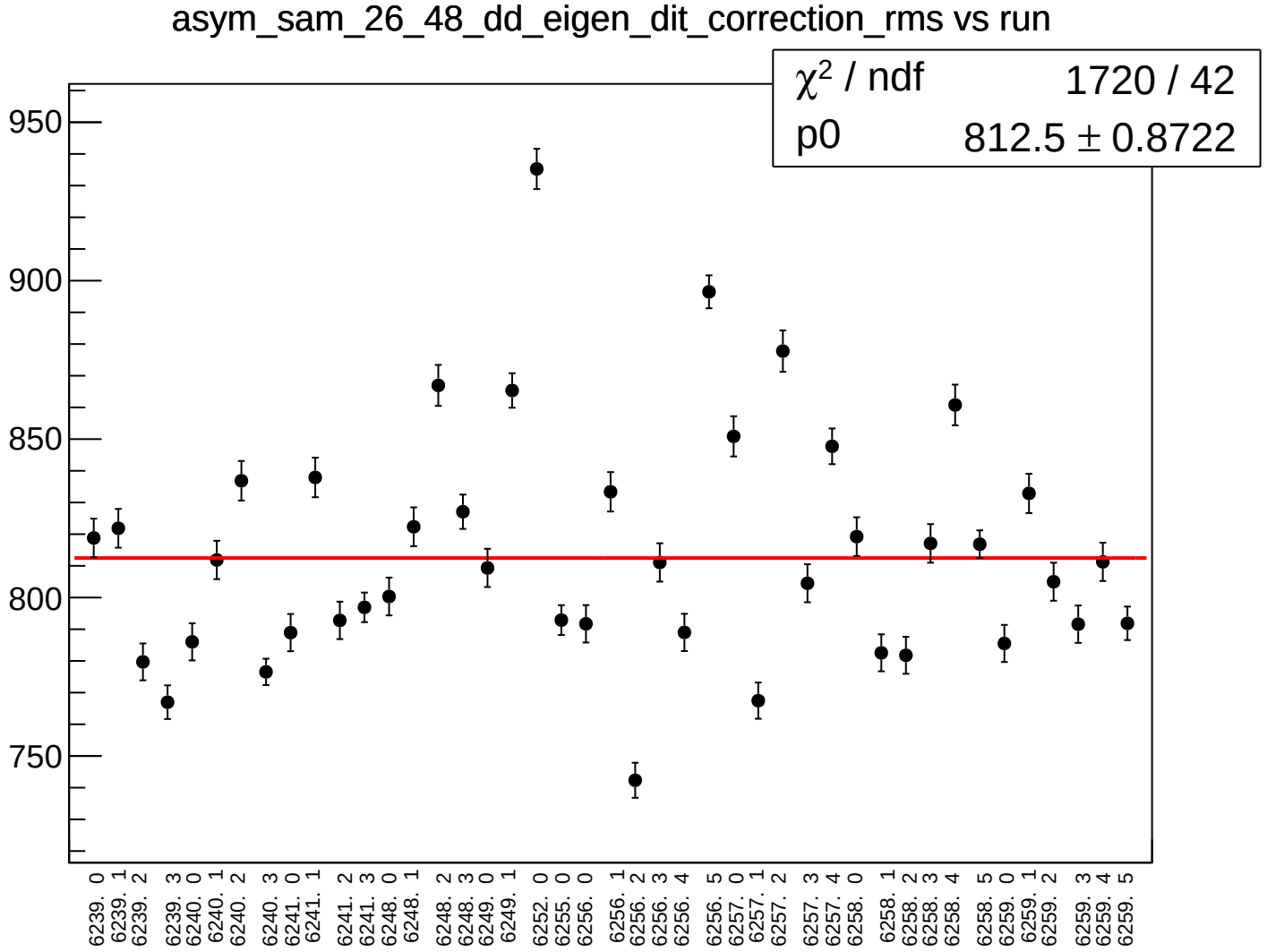

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.279e+04 / 42
p0 113.7 ± 0.1229
170
160
150
140
130
120
110
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

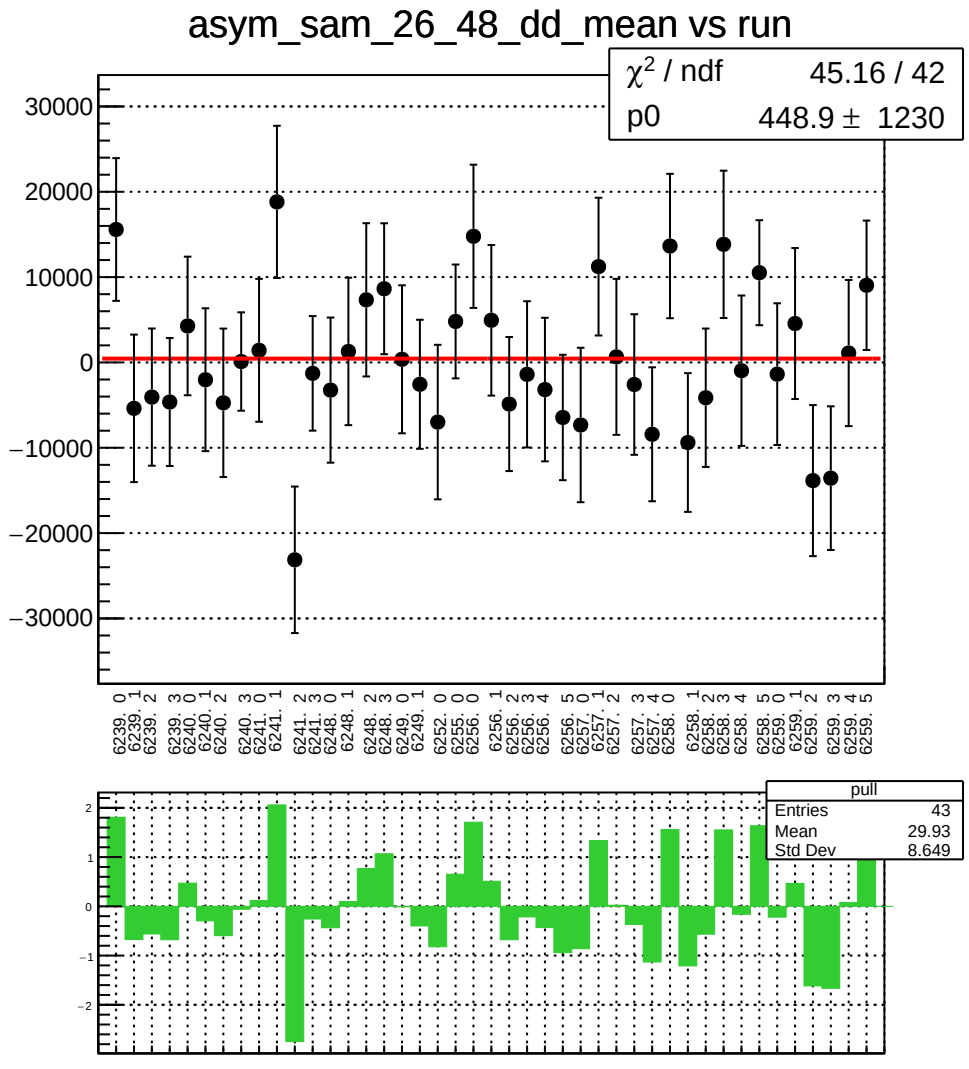
asym_sam_26_48_dd_eigen_dit_correction_mean vs run

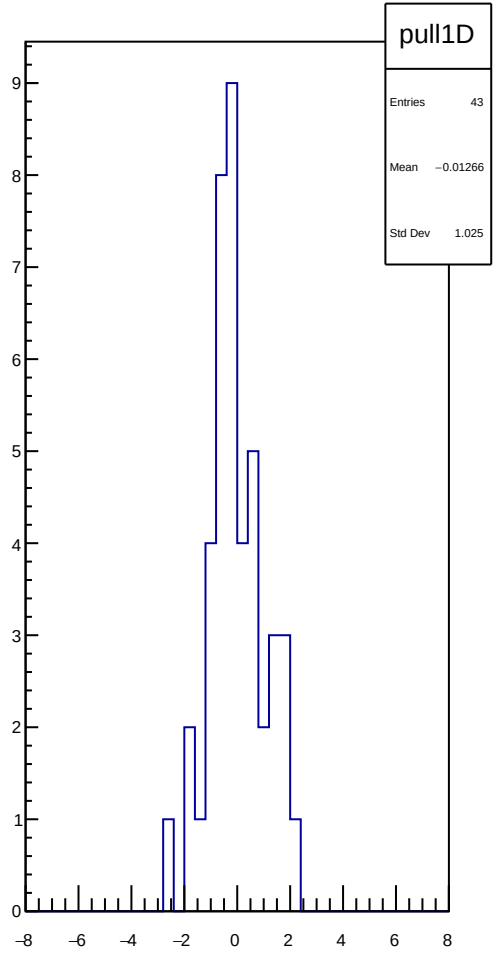


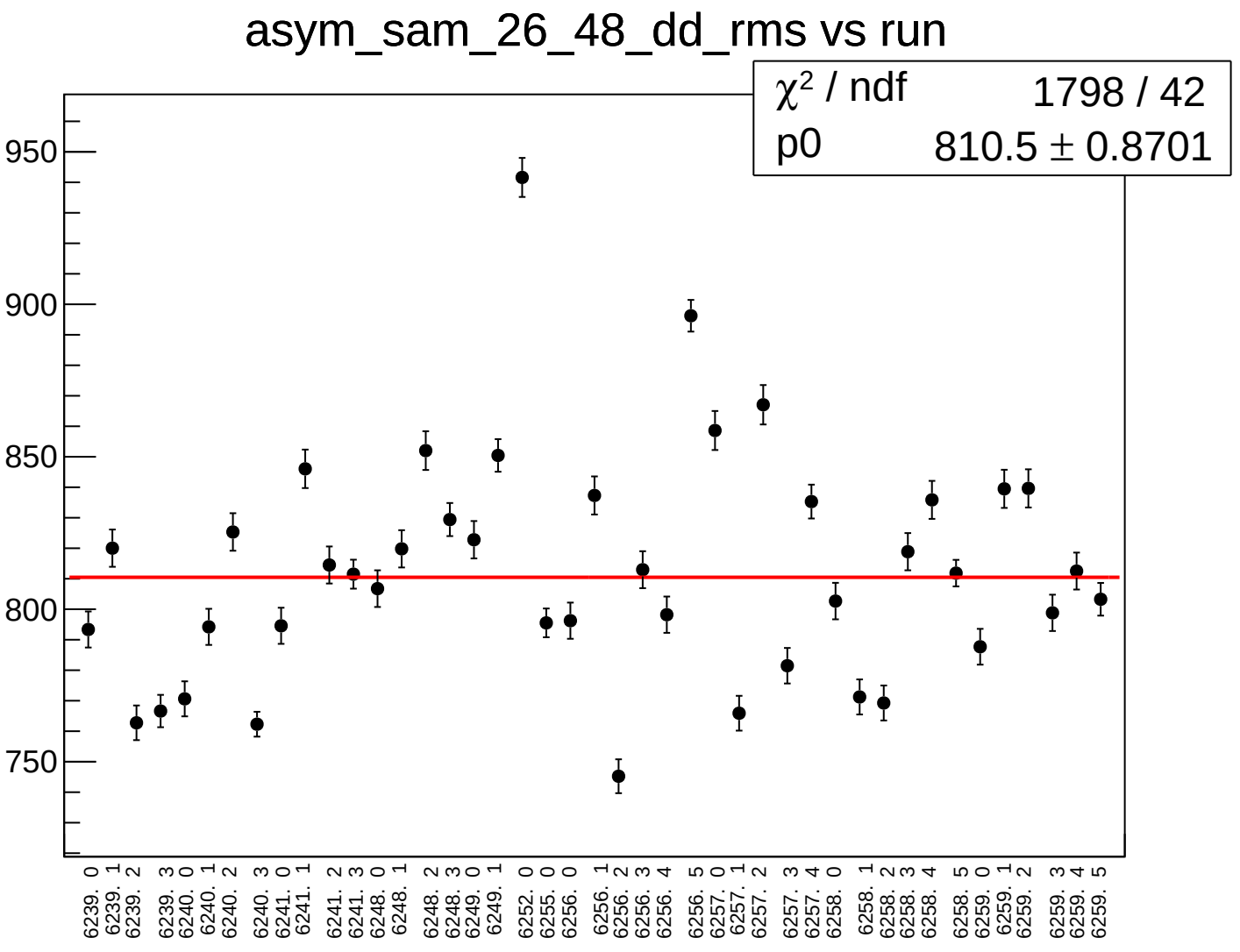



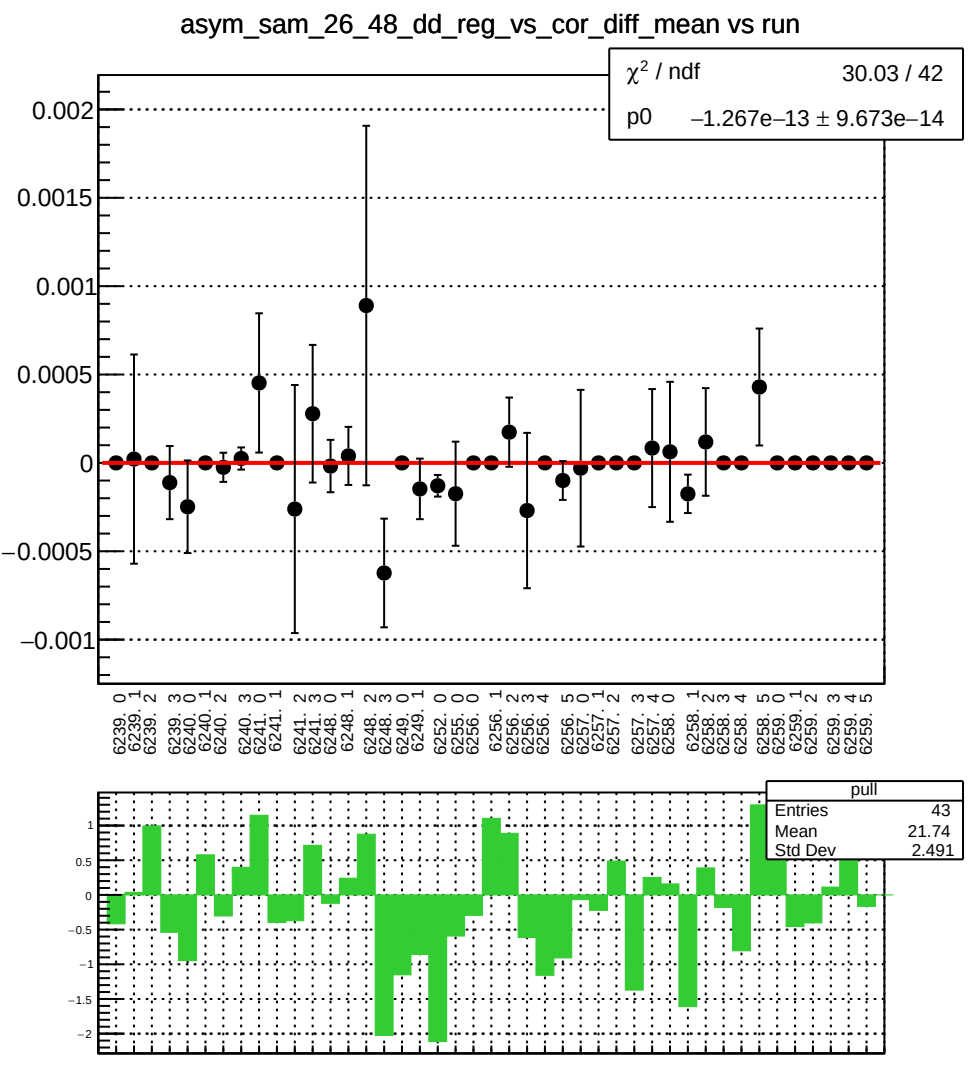



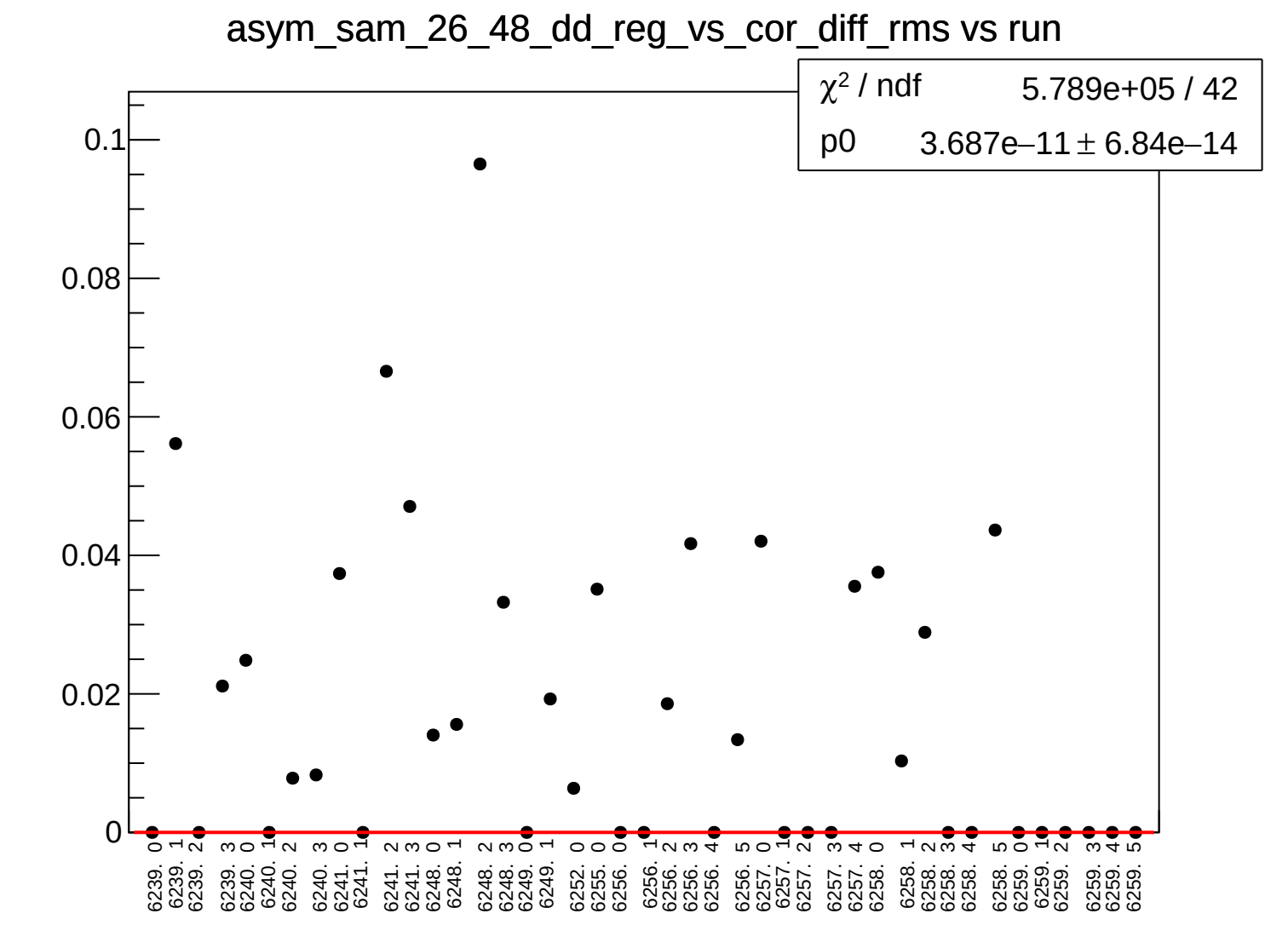

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1720 / 42
p0 812.5 ± 0.8722
950
900
850
800
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

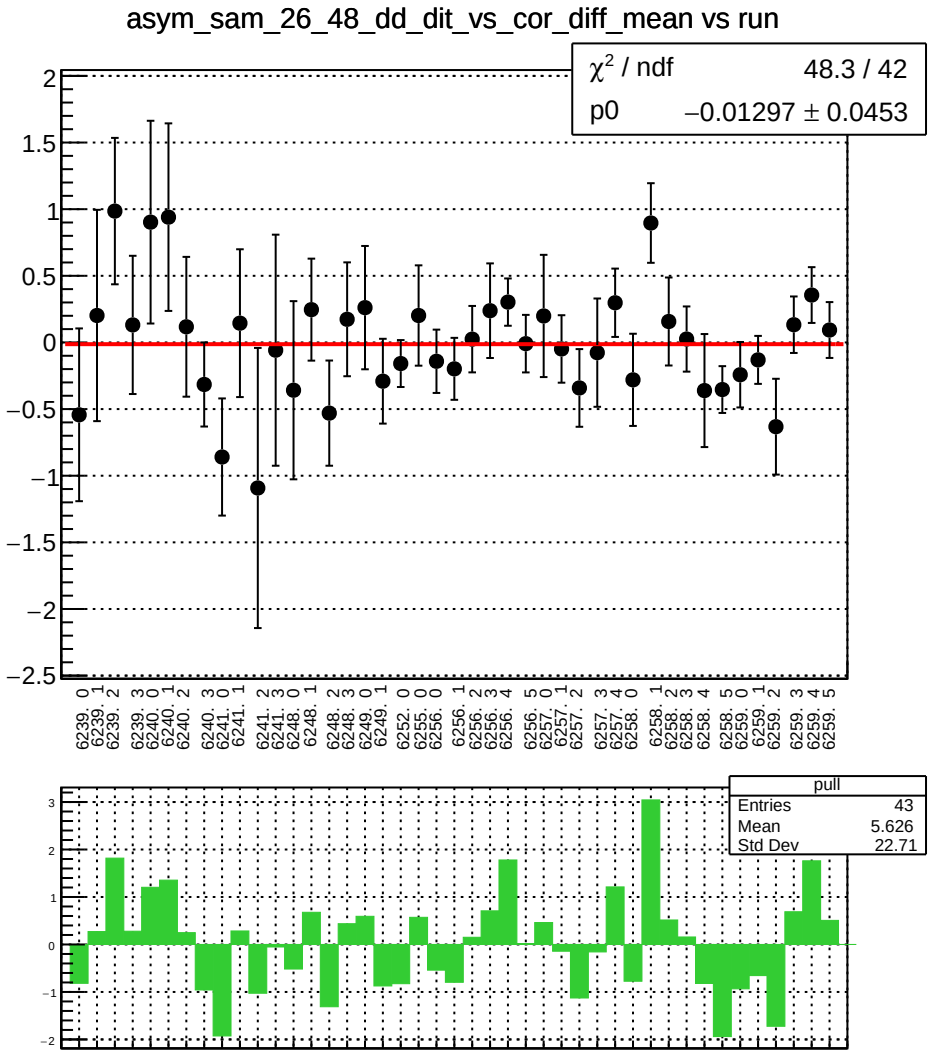

asym_sam_26_48_dd_mean vs run
χ² / ndf 45.16 / 42
p0 448.9 ± 1230
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.93
Std Dev 8.649
2
1
0
−1
−2

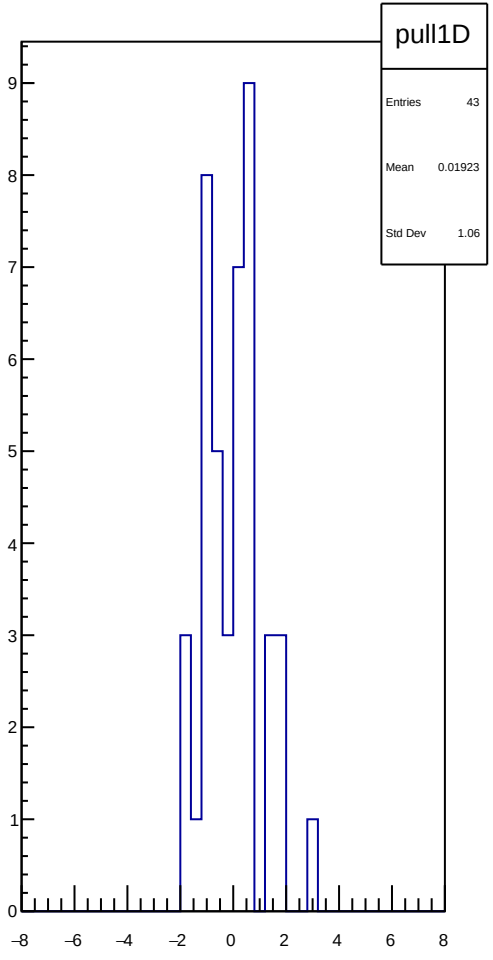

pull1D
Entries 43
Mean −0.01266
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

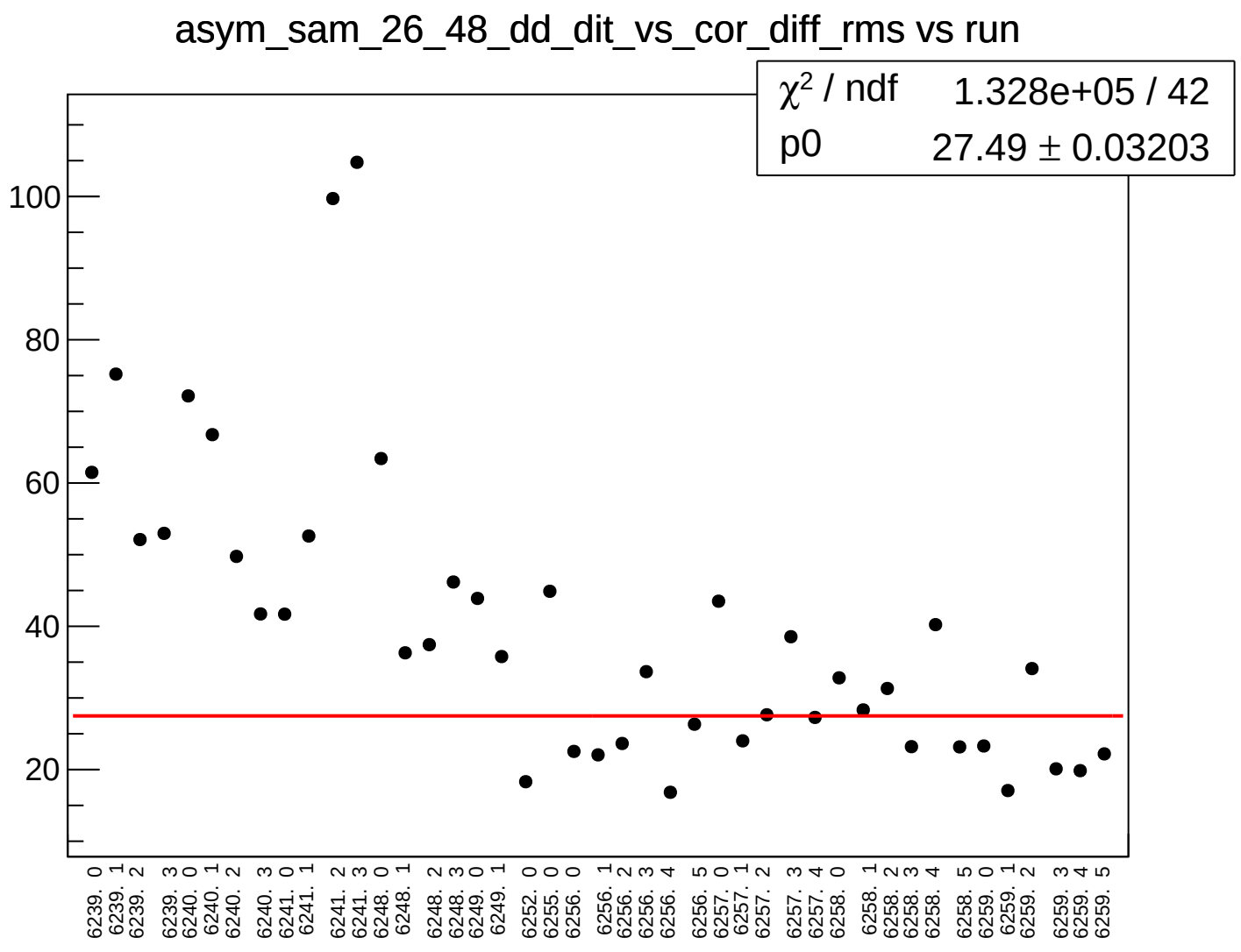

asym_sam_26_48_dd_rms vs run
χ² / ndf 1798 / 42
p0 810.5 ± 0.8701
950
900
850
800
750
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

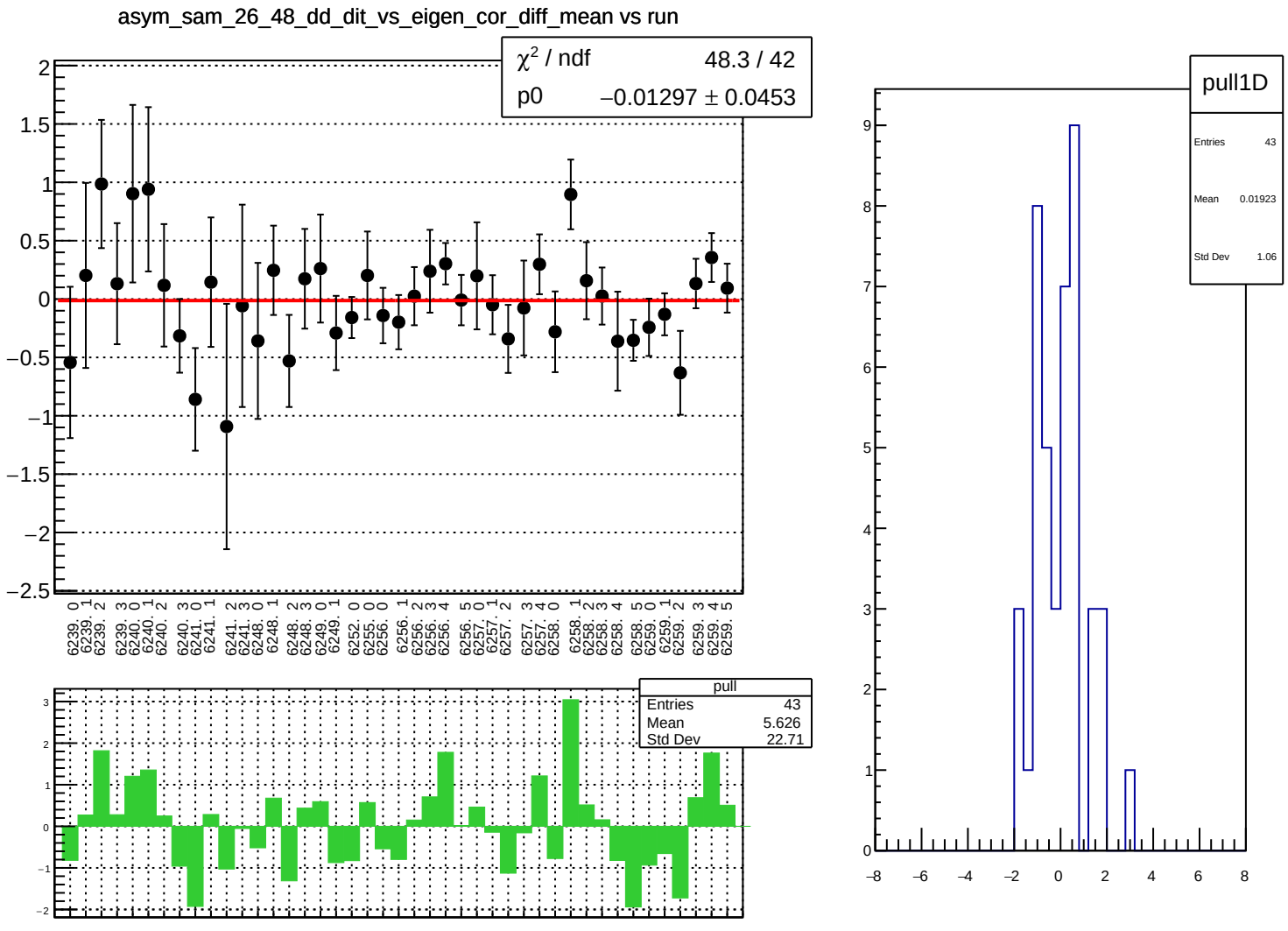

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 30.03 / 42
p0 −1.267e−13 ± 9.673e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.74
Std Dev 2.491
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1684
Std Dev 0.8185
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

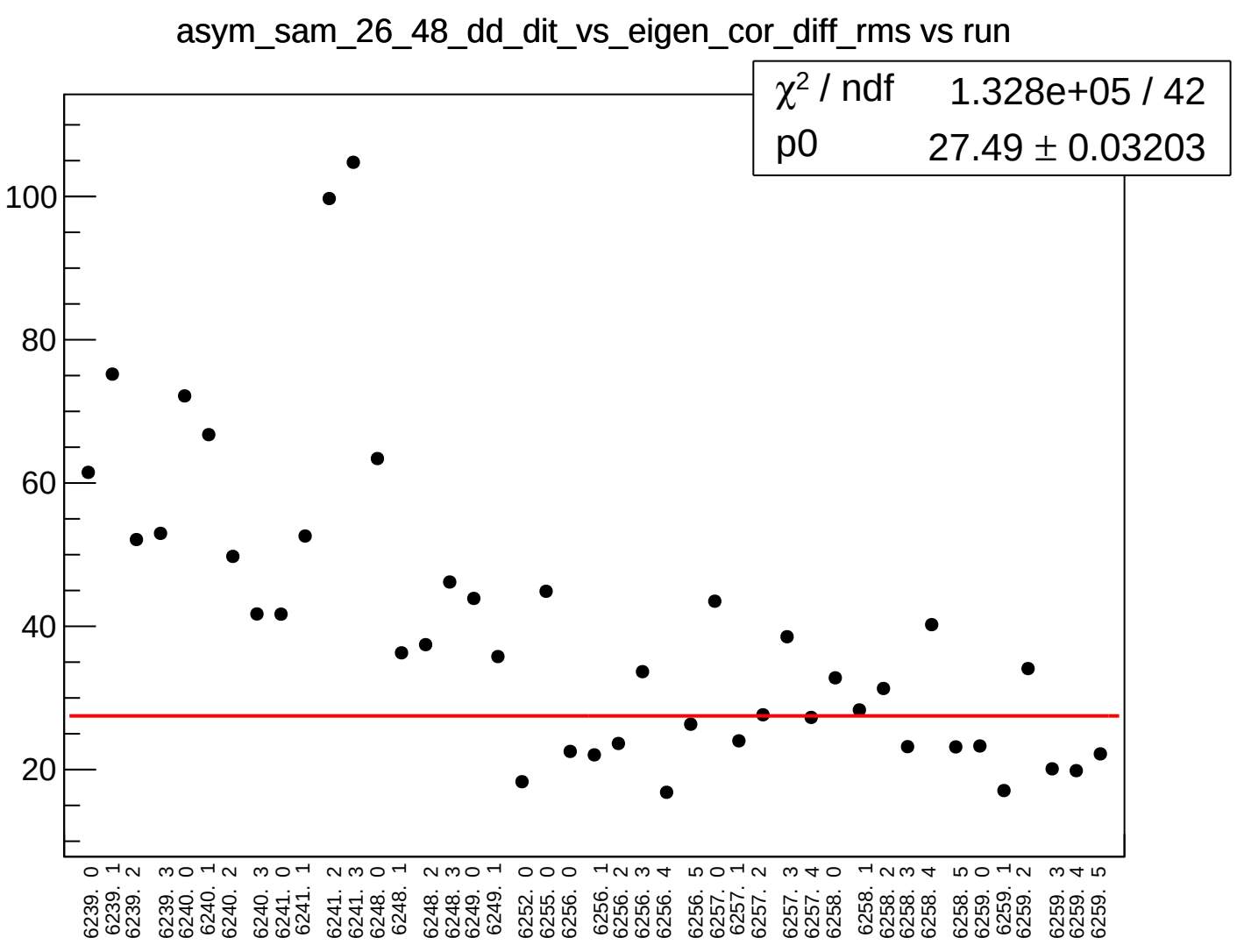

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.789e+05 / 42
p0 3.687e−11 ± 6.84e−14
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

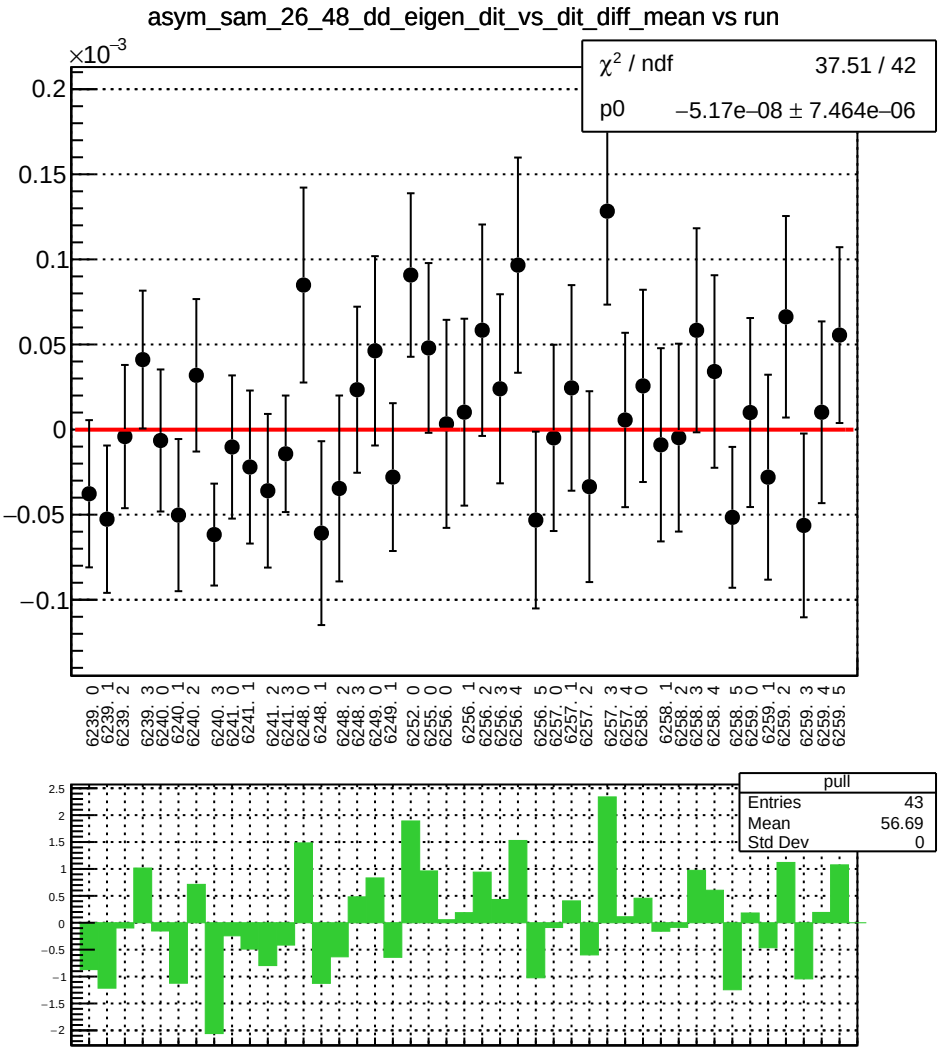

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.3 / 42
p0 −0.01297 ± 0.0453
pull
Entries 43
Mean 5.626
Std Dev 22.71

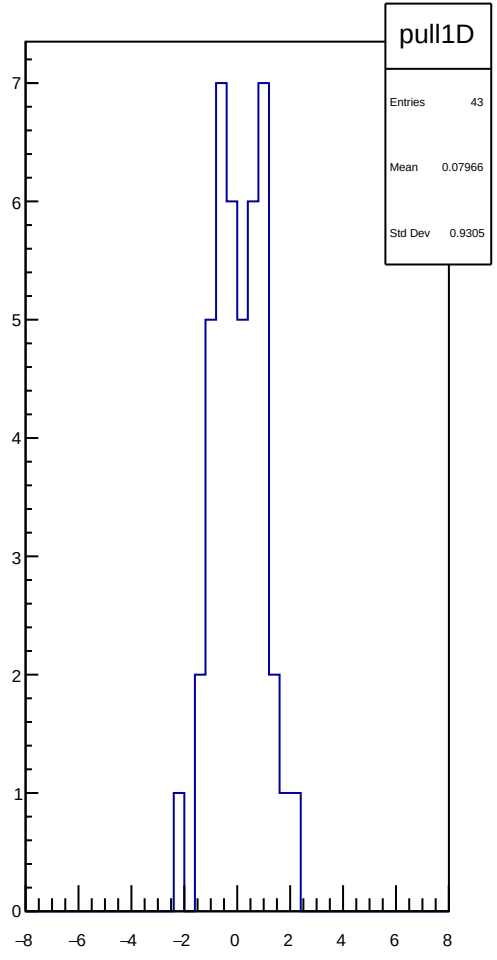

pull1D
Entries 43
Mean 0.01923
Std Dev 1.06

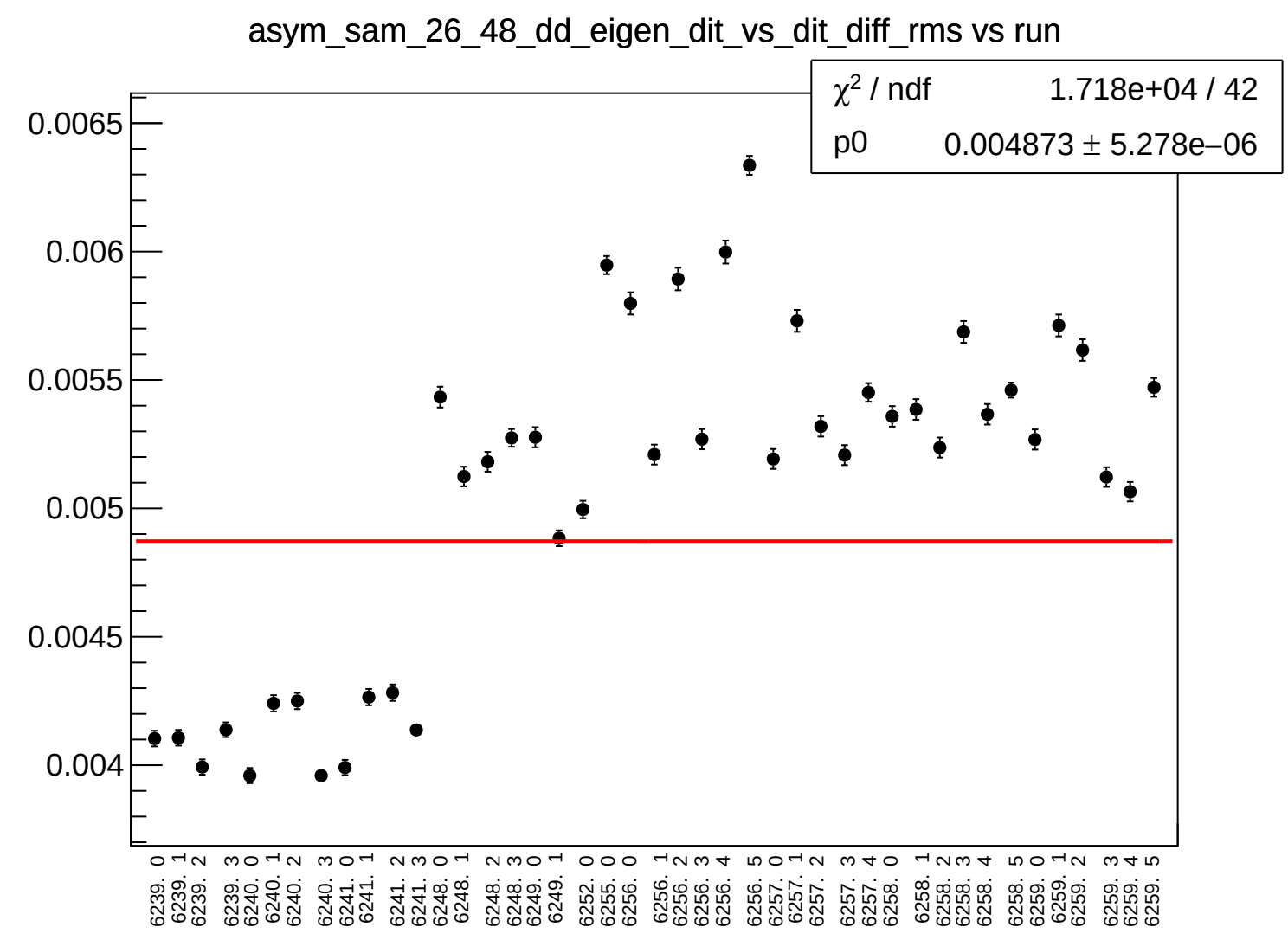

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 42
p0 27.49 ± 0.03203
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

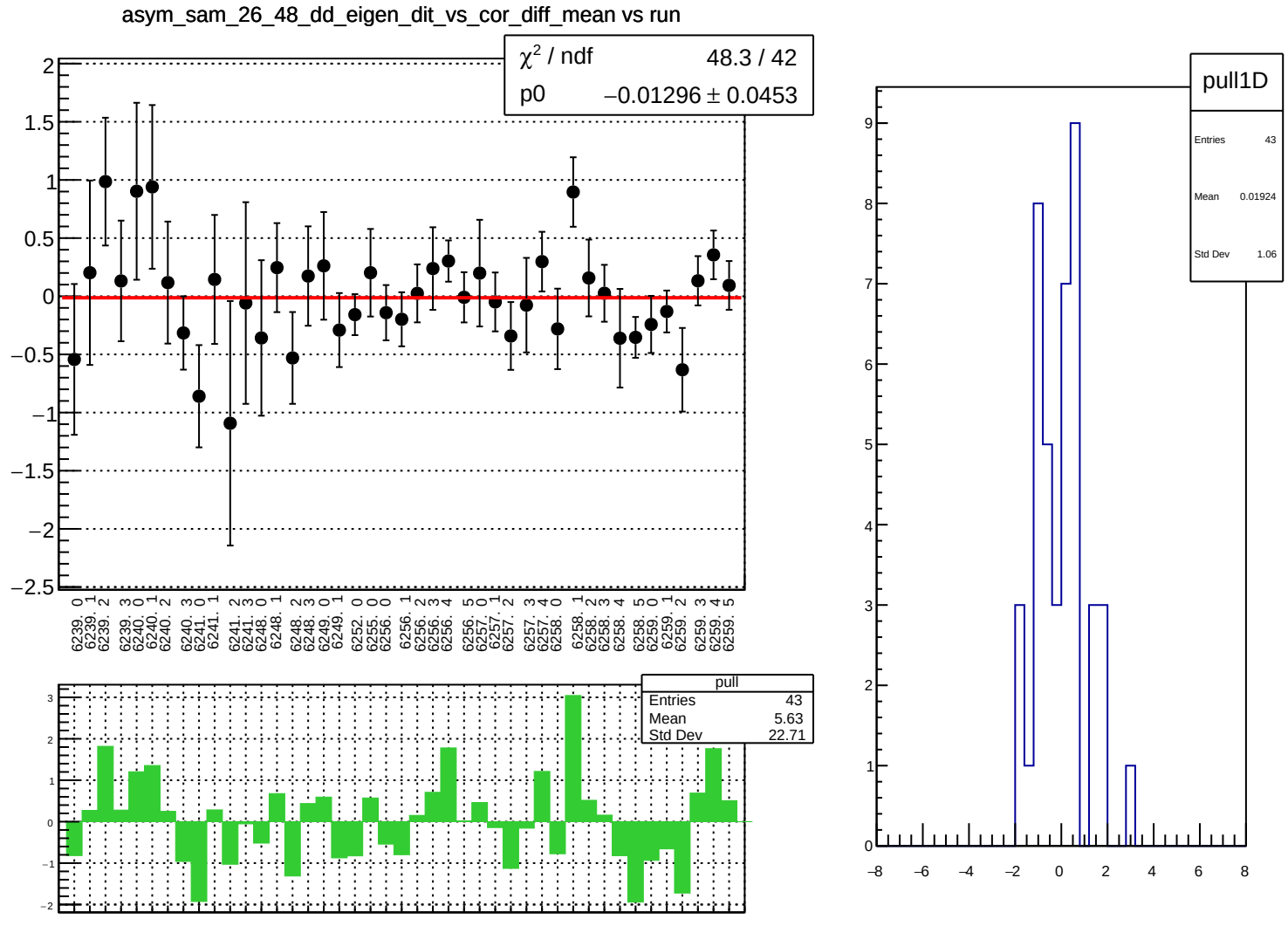

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.3 / 42
p0 −0.01297 ± 0.0453
pull
Entries 43
Mean 5.626
Std Dev 22.71
pull1D
Entries 43
Mean 0.01923
Std Dev 1.06

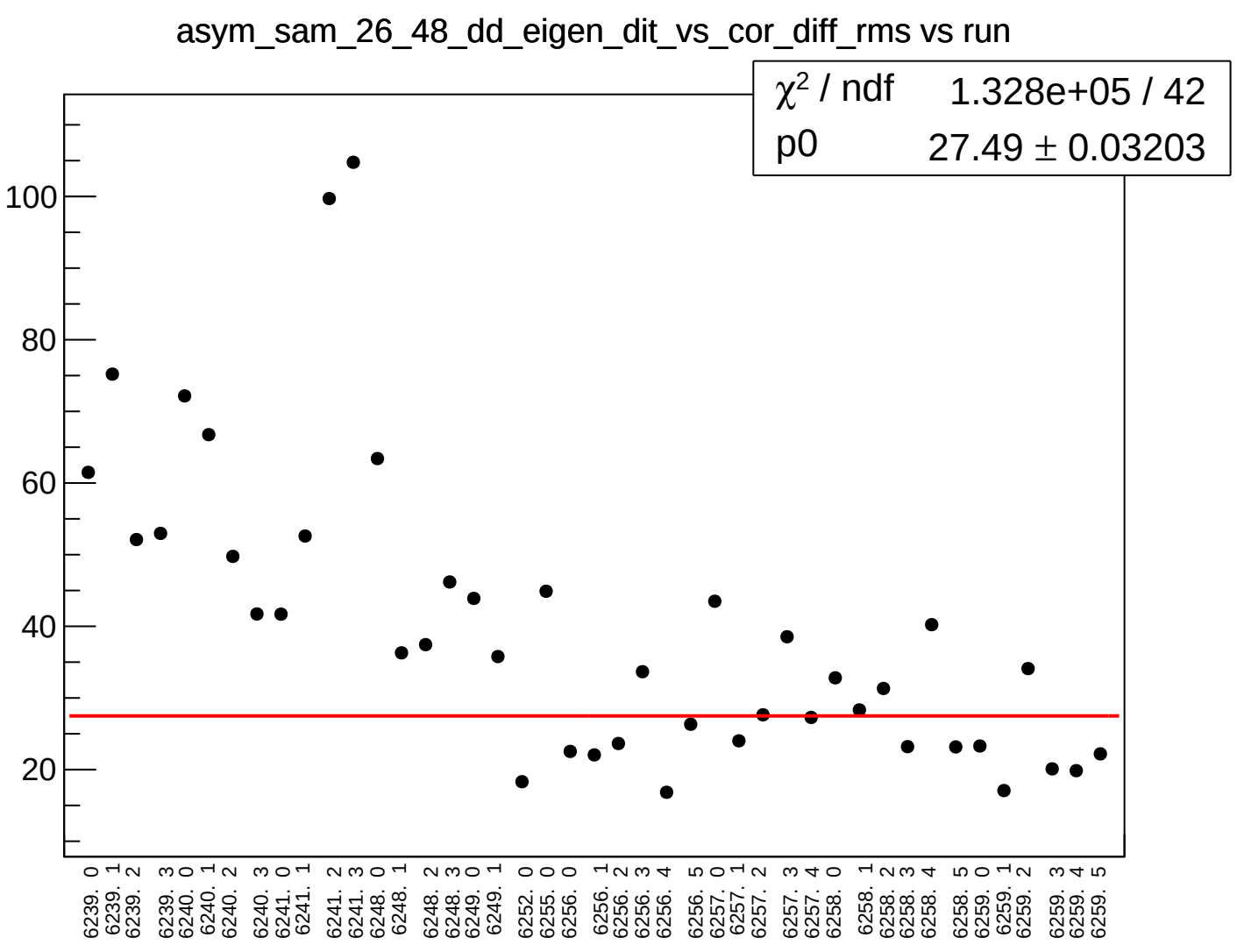

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 42
p0 27.49 ± 0.03203
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

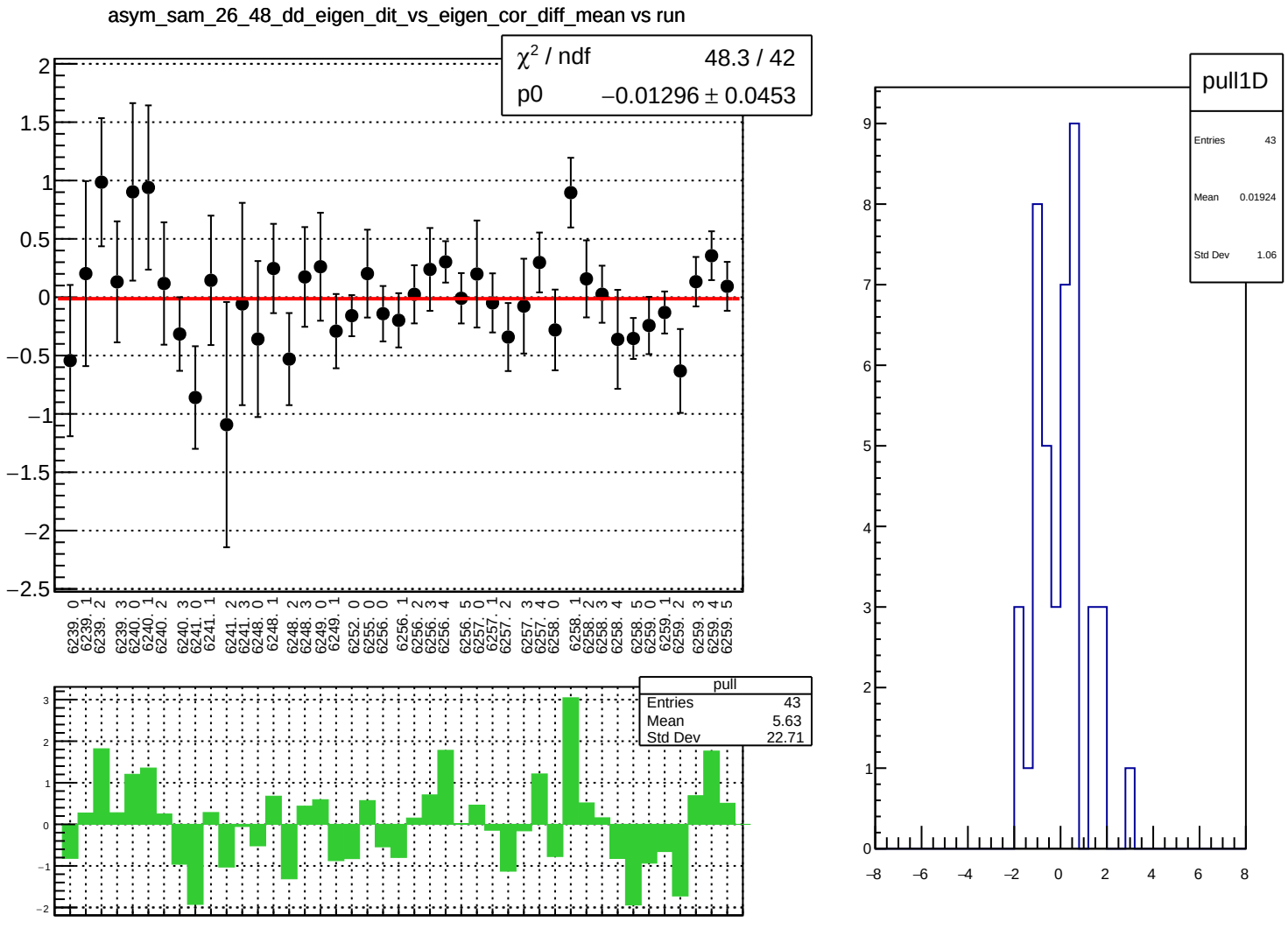

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.51 / 42
p0 −5.17e−08 ± 7.464e−06
pull
Entries 43
Mean 56.69
Std Dev 0

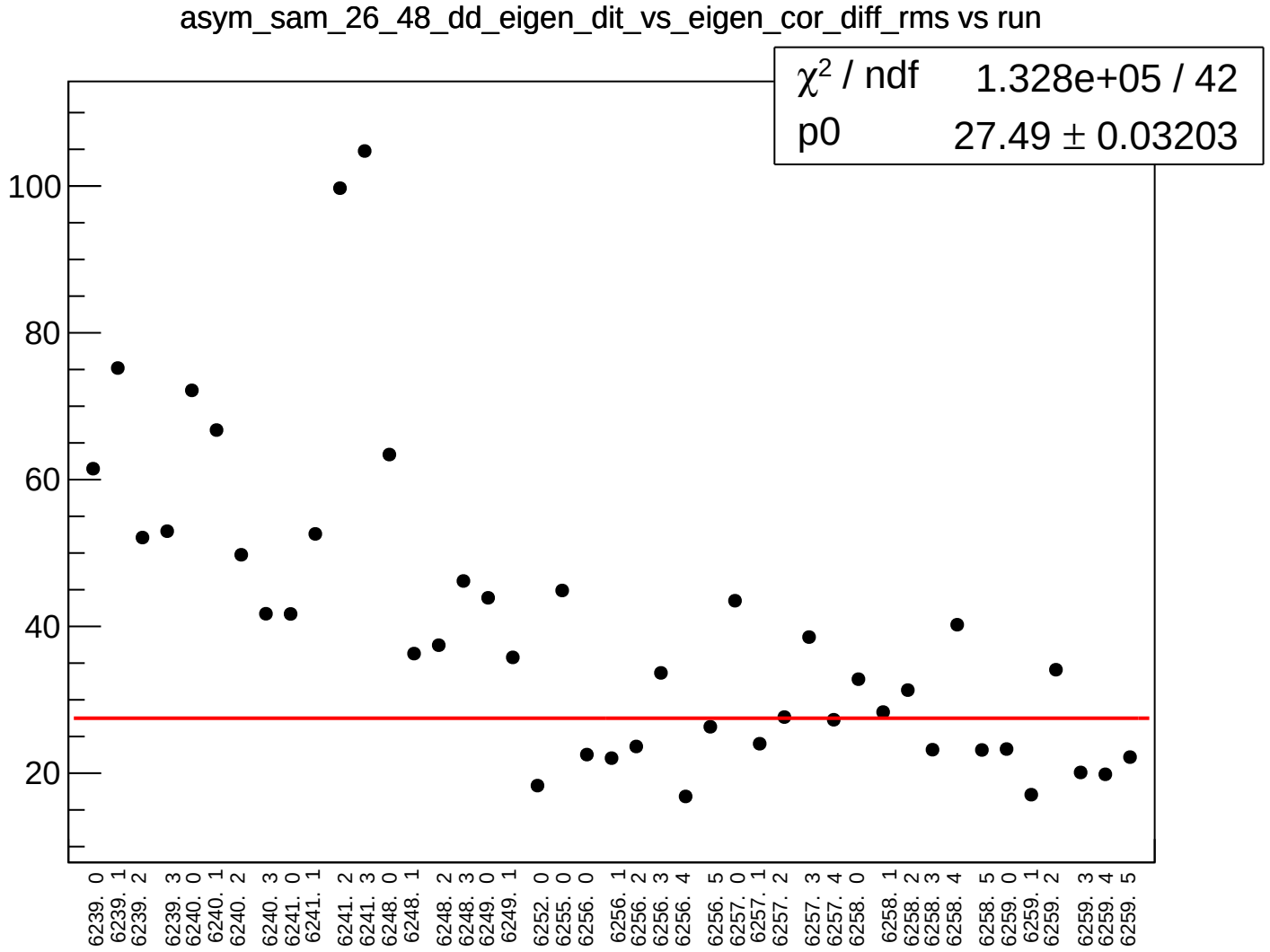

pull1D
Entries 43
Mean 0.07966
Std Dev 0.9305

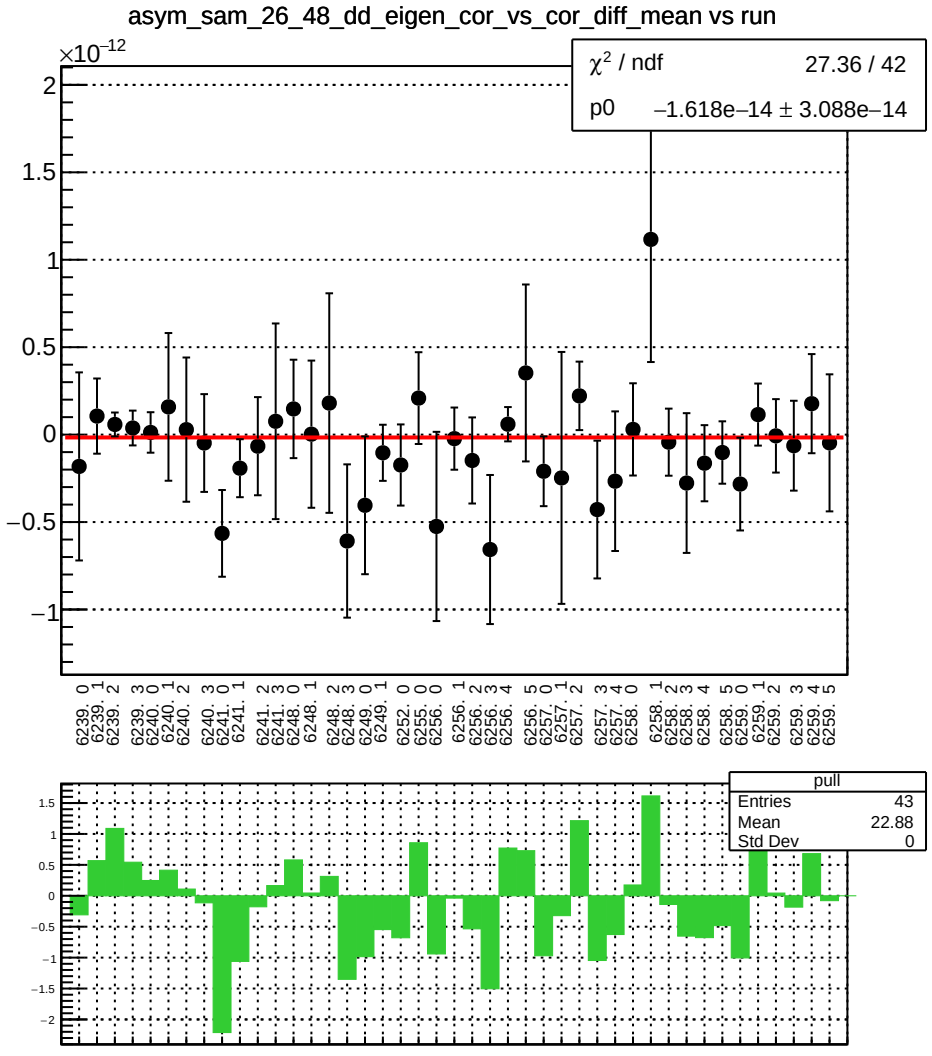

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.718e+04 / 42
p0 0.004873 ± 5.278e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

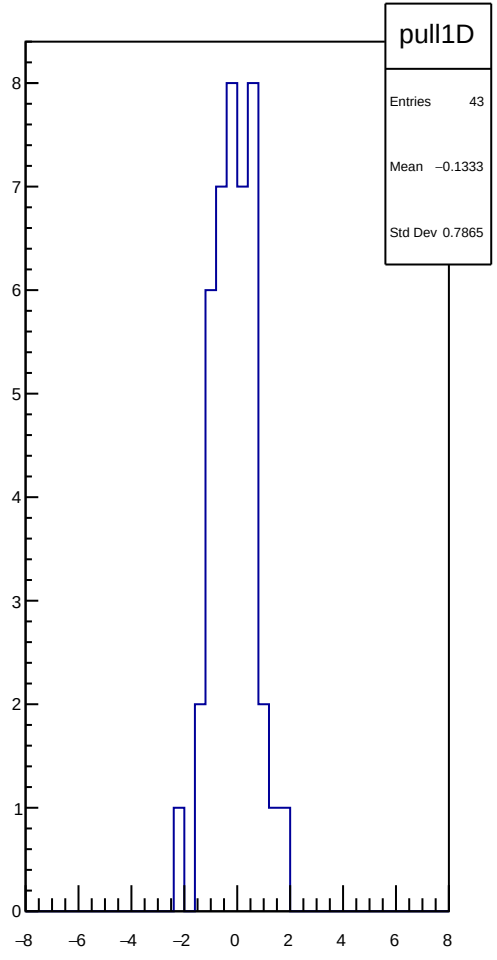

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.3 / 42
p0 −0.01296 ± 0.0453
pull
Entries 43
Mean 5.63
Std Dev 22.71
pull1D
Entries 43
Mean 0.01924
Std Dev 1.06

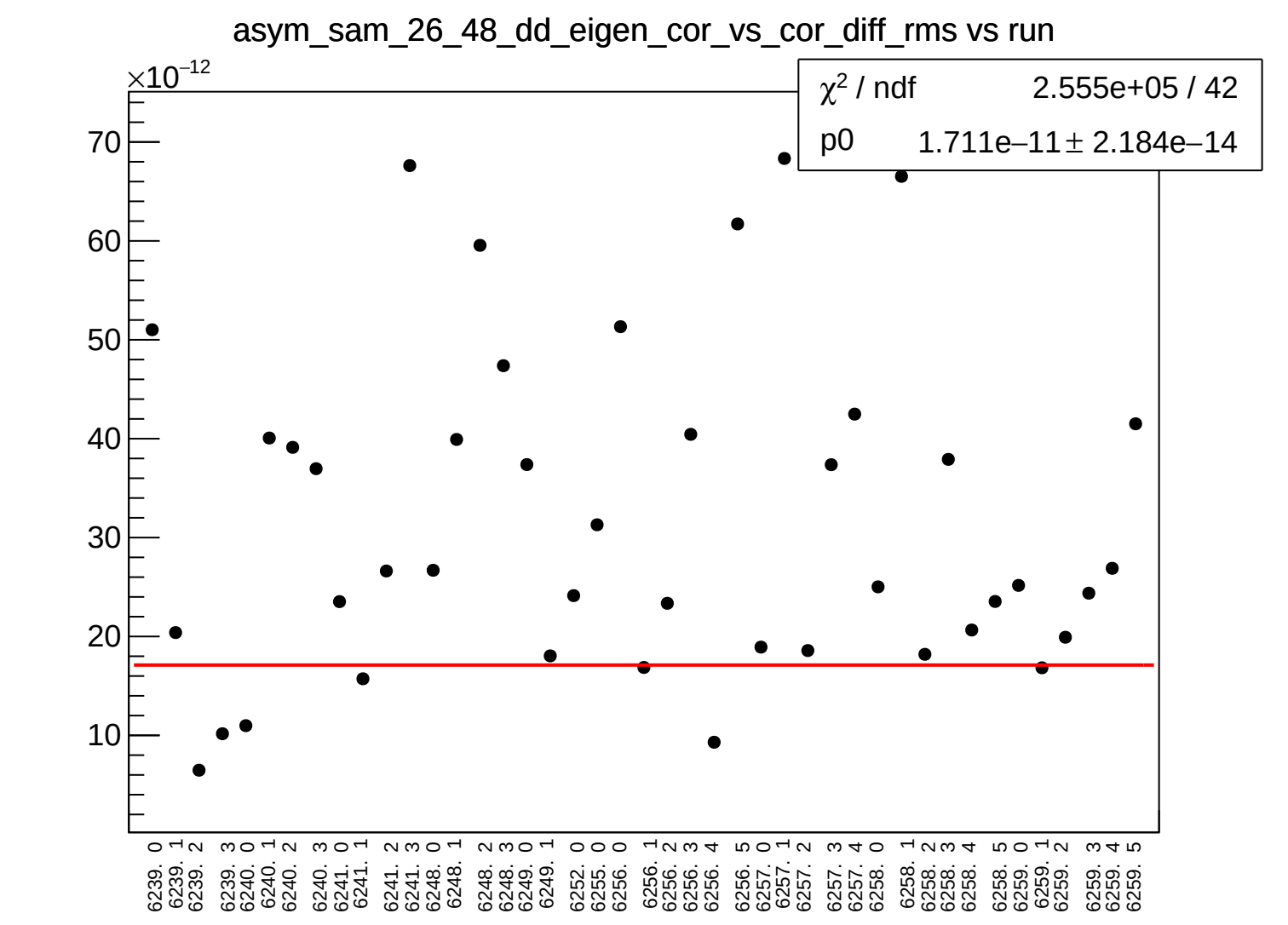

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 42
p0 27.49 ± 0.03203
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

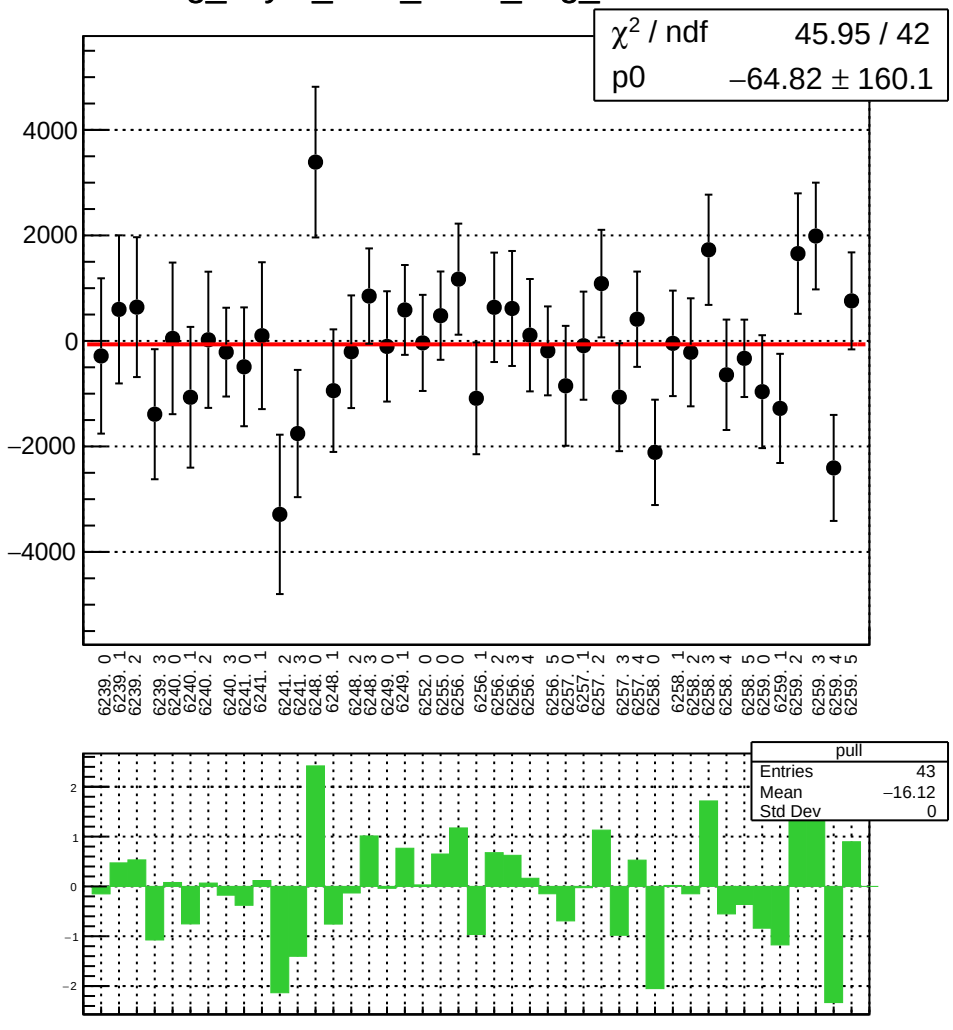

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.3 / 42
p0 −0.01296 ± 0.0453
pull
Entries 43
Mean 5.63
Std Dev 22.71
pull1D
Entries 43
Mean 0.01924
Std Dev 1.06

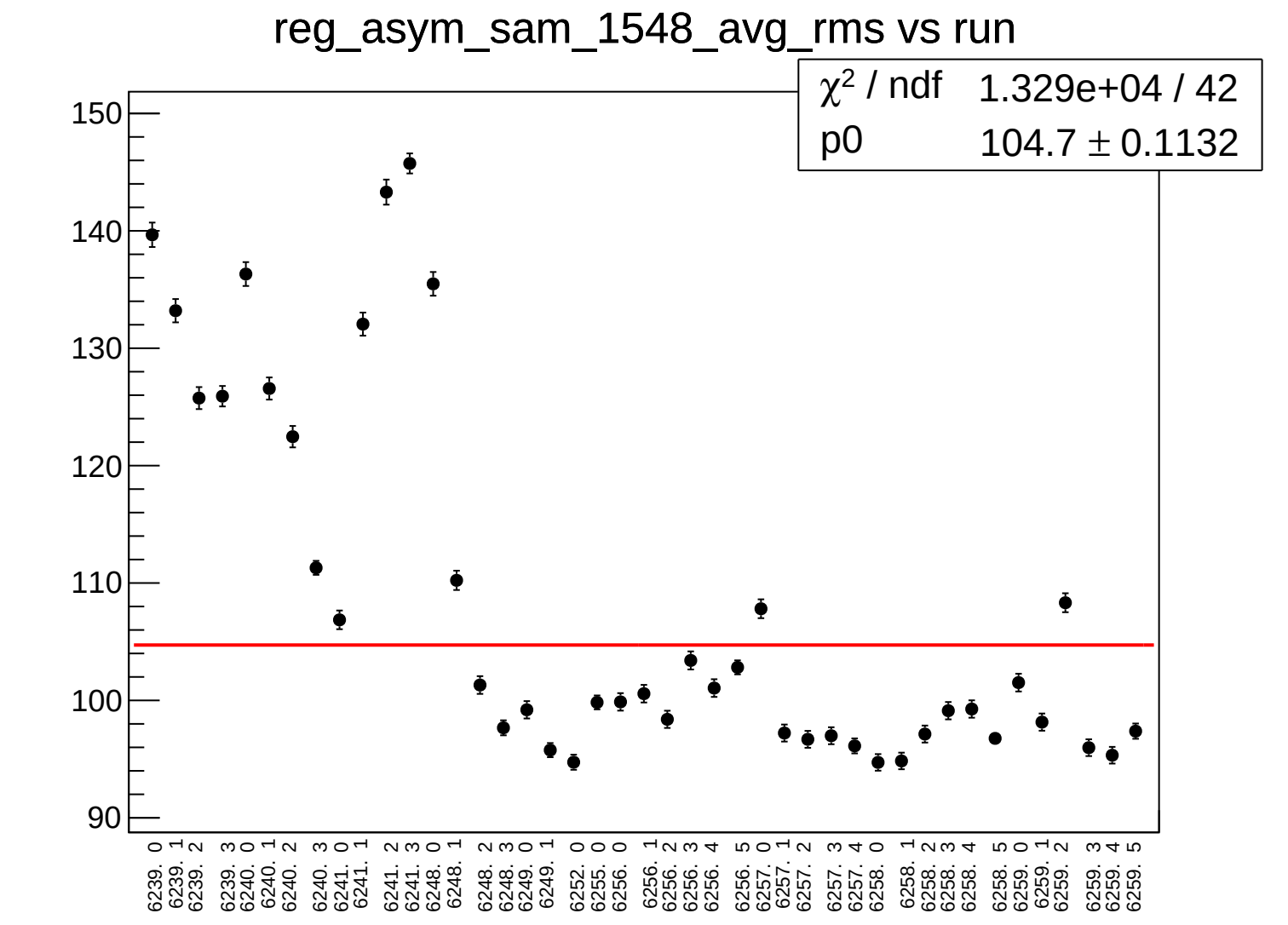

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.328e+05 / 42
p0 27.49 ± 0.03203
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

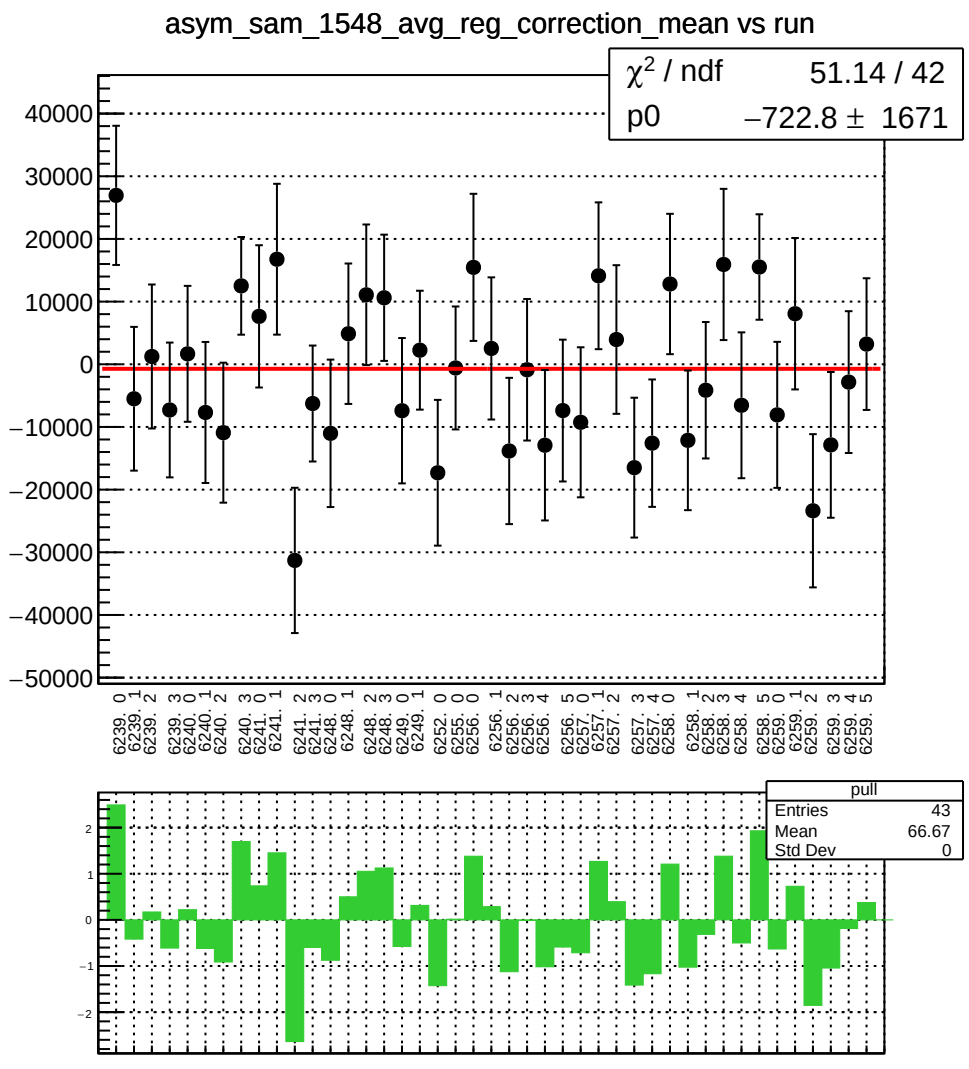

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.36 / 42
p0 −1.618e−14 ± 3.088e−14
pull
Entries 43
Mean 22.88
Std Dev 0

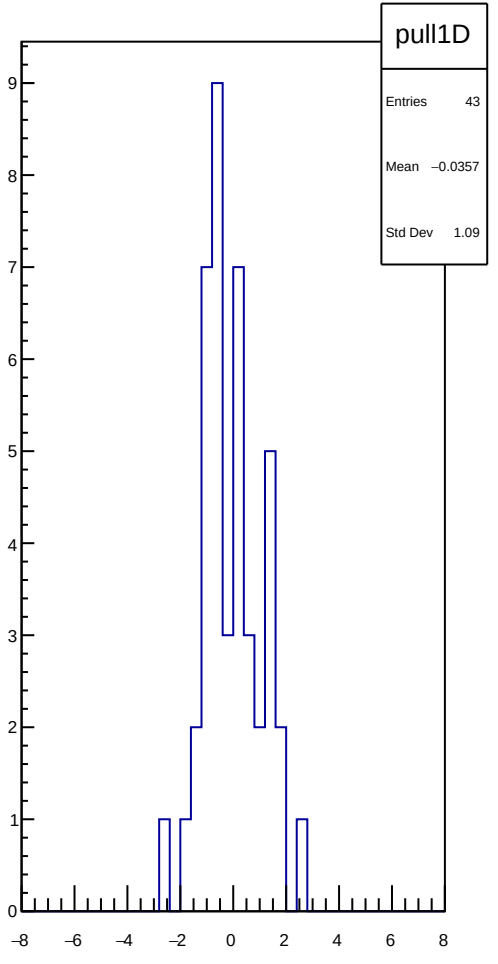

pull1D
Entries 43
Mean −0.1333
Std Dev 0.7865

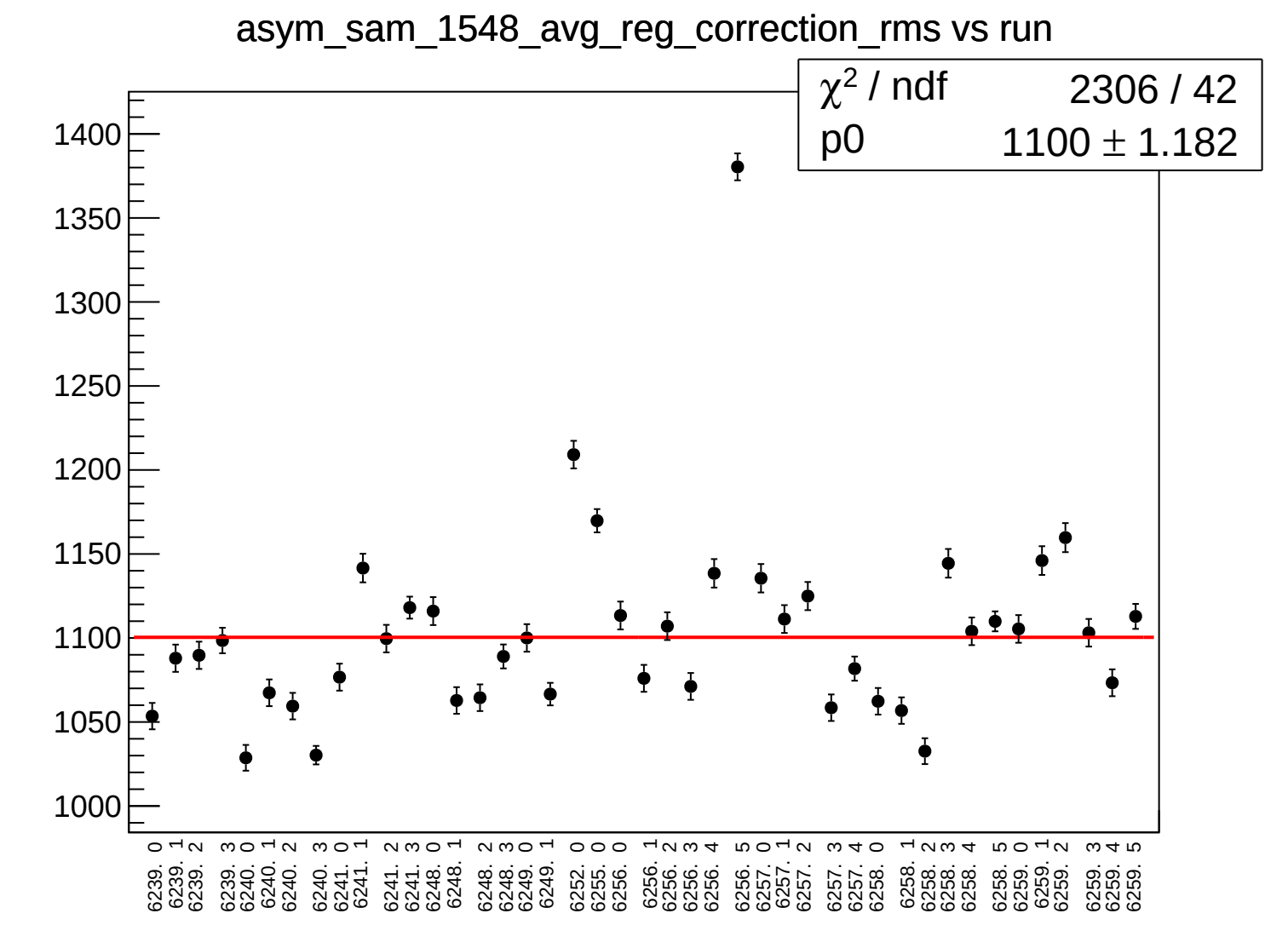

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.555e+05 / 42
p0 1.711e−11 ± 2.184e−14
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

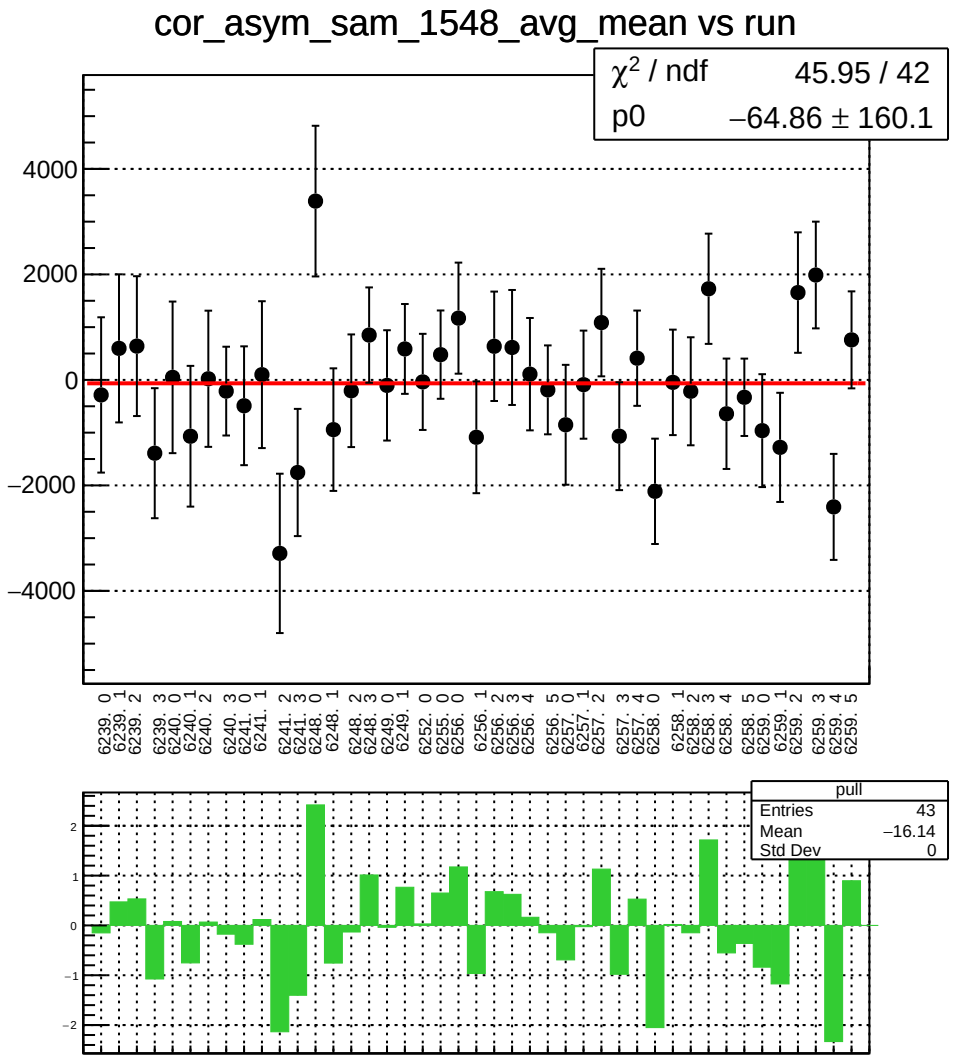

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 45.95 / 42
p0 −64.82 ± 160.1
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.12
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01507
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

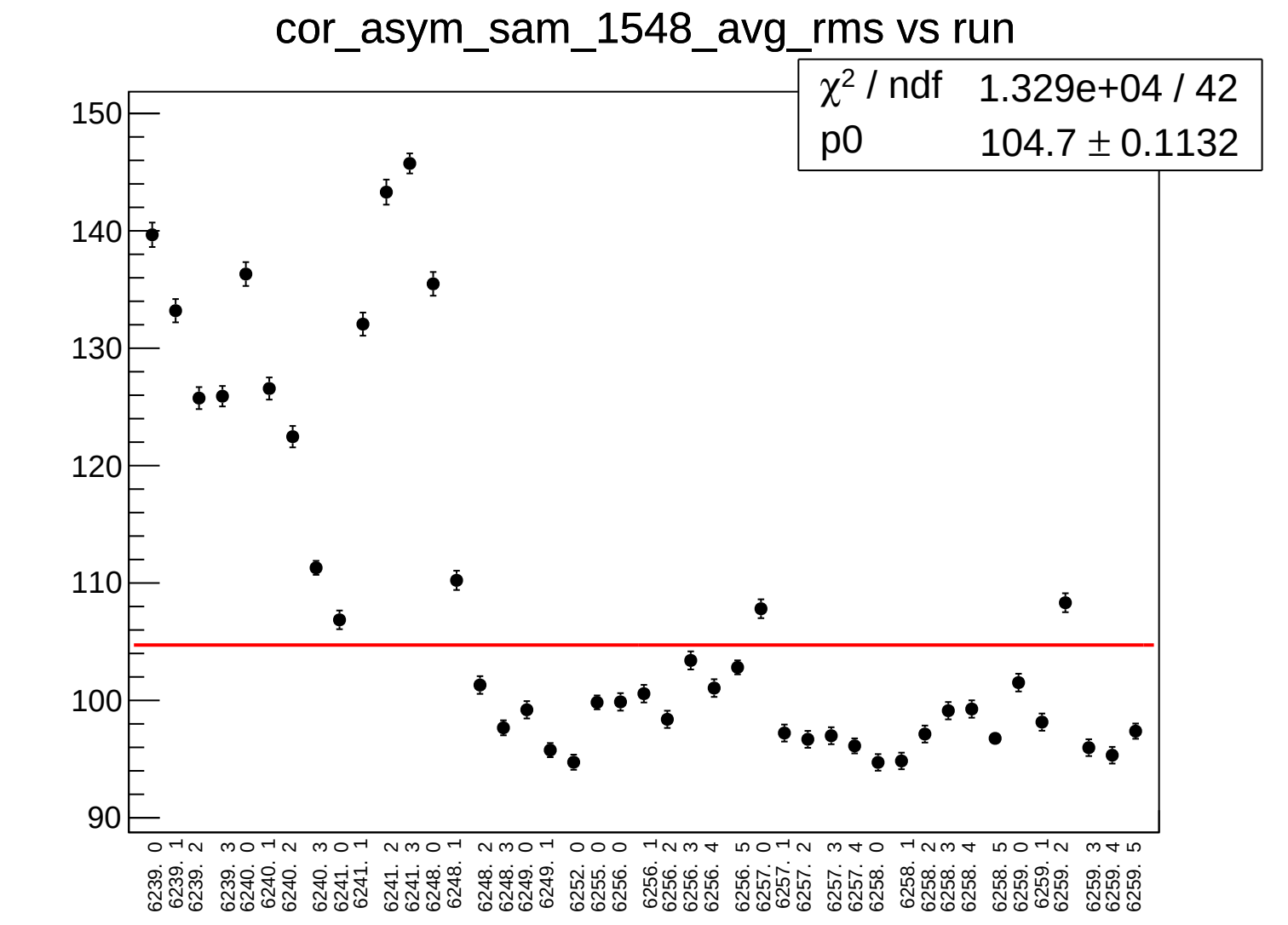

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 1.329e+04 / 42
p0 104.7 ± 0.1132
150
140
130
120
110
100
90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

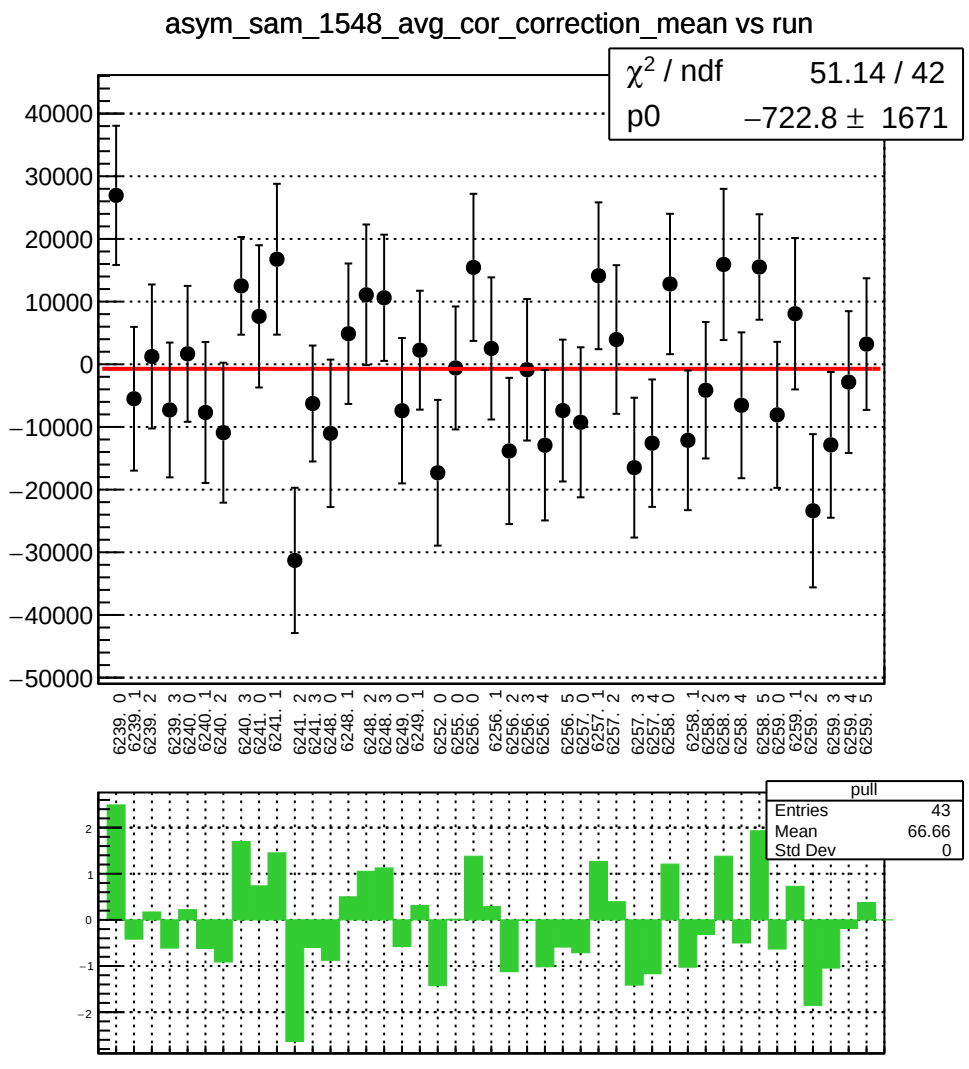

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 51.14 / 42
p0 −722.8 ± 1671
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 66.67
Std Dev 0
2
1
0
−1
−2

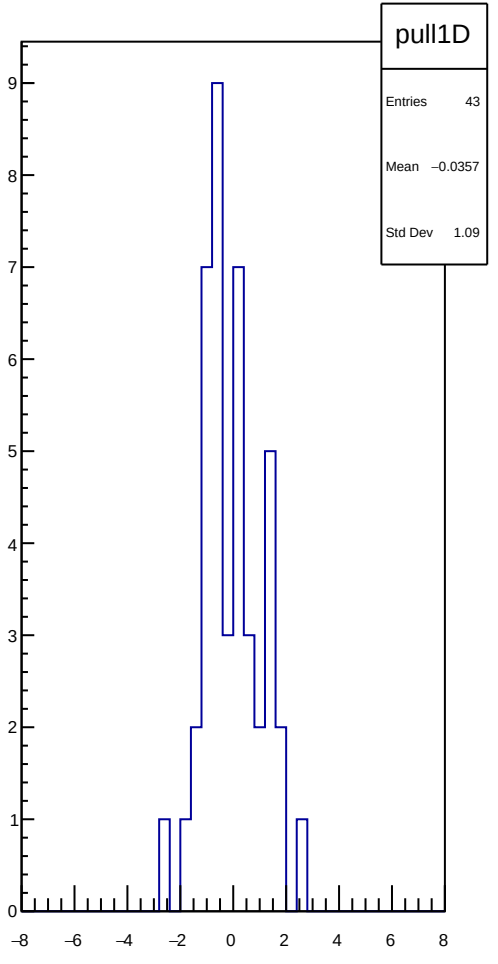

pull1D
Entries 43
Mean −0.0357
Std Dev 1.09
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

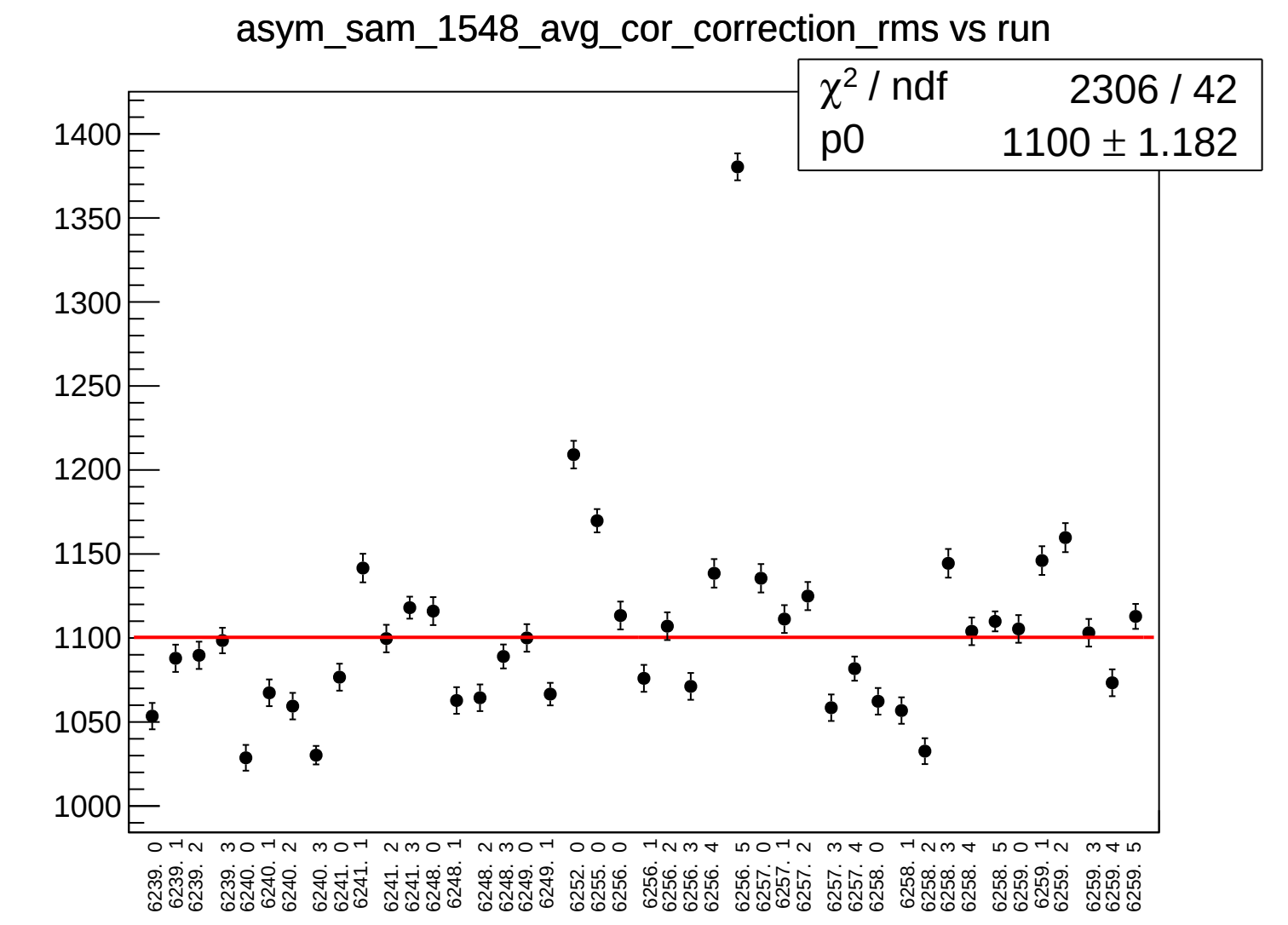

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 2306 / 42
p0 1100 ± 1.182
1400
1350
1300
1250
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

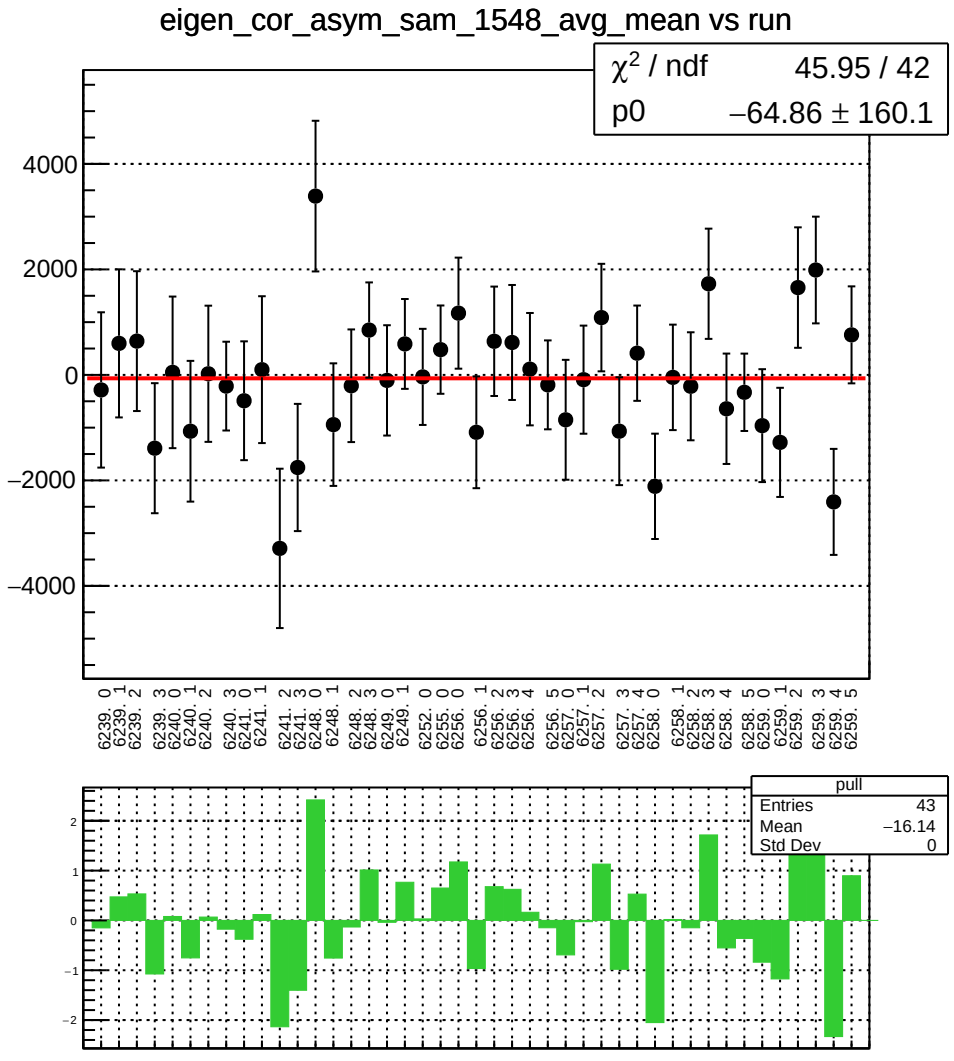

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 45.95 / 42
p0 −64.86 ± 160.1
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.14
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.01507
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

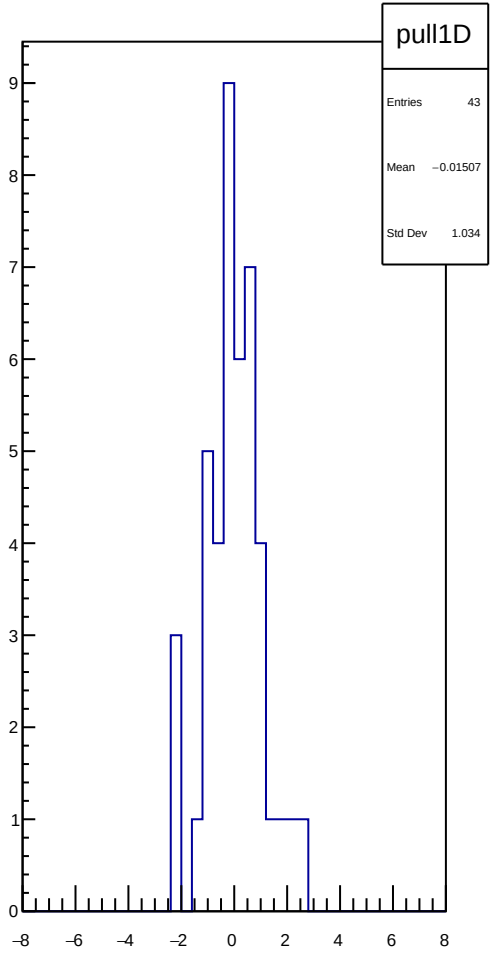

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.329e+04 / 42
p0 104.7 ± 0.1132
150
140
130
120
110
100
90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

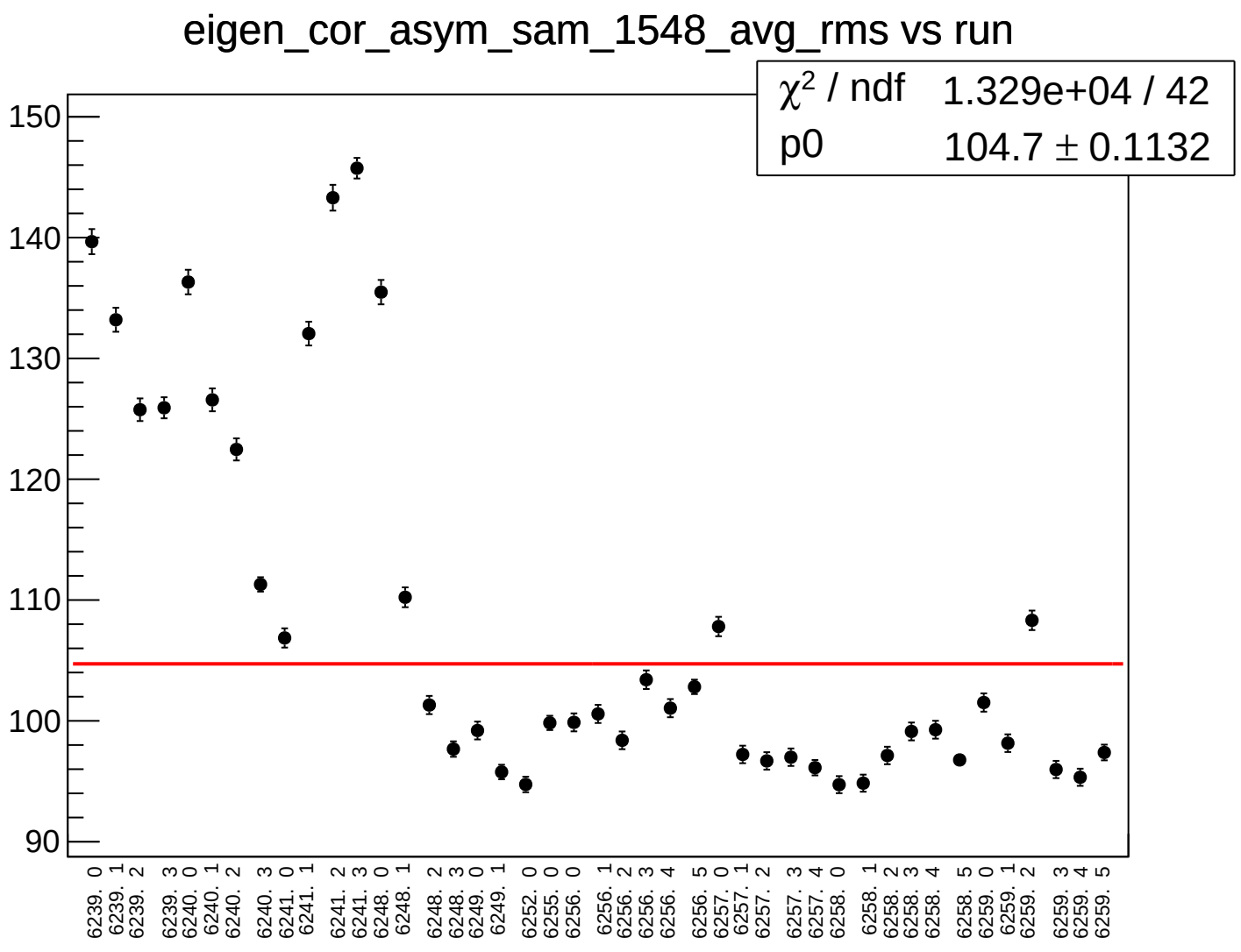

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 51.14 / 42
p0 −722.8 ± 1671
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 66.66
Std Dev 0
2
1
0
−1
−2

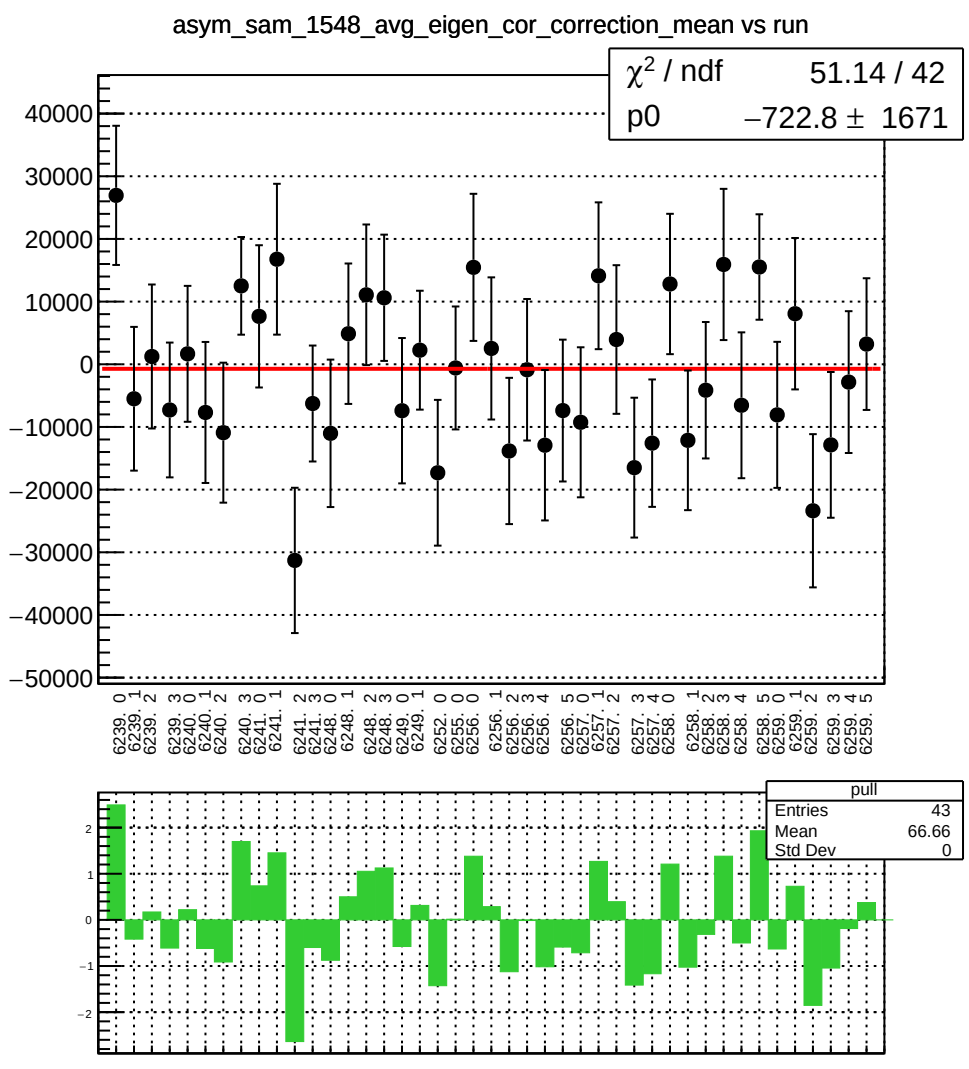

pull1D
Entries 43
Mean −0.0357
Std Dev 1.09
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

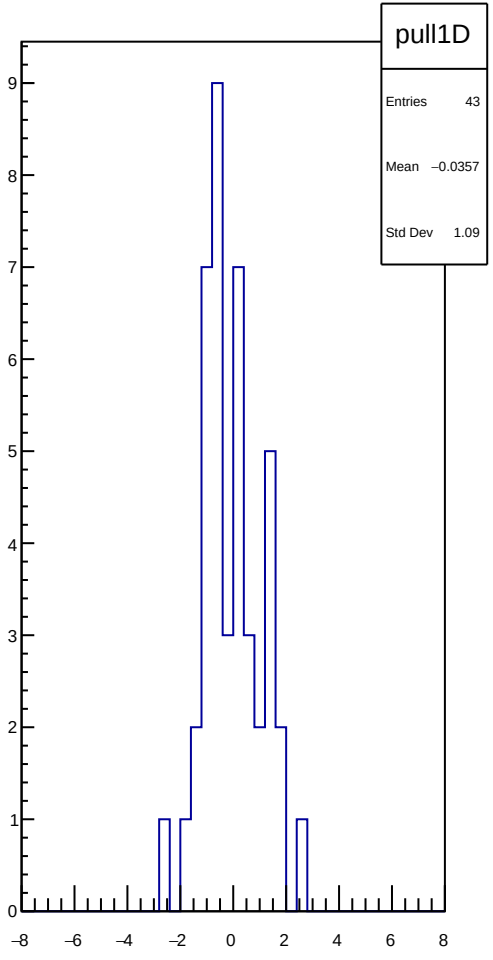

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 2306 / 42
p0 1100 ± 1.182
1400
1350
1300
1250
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

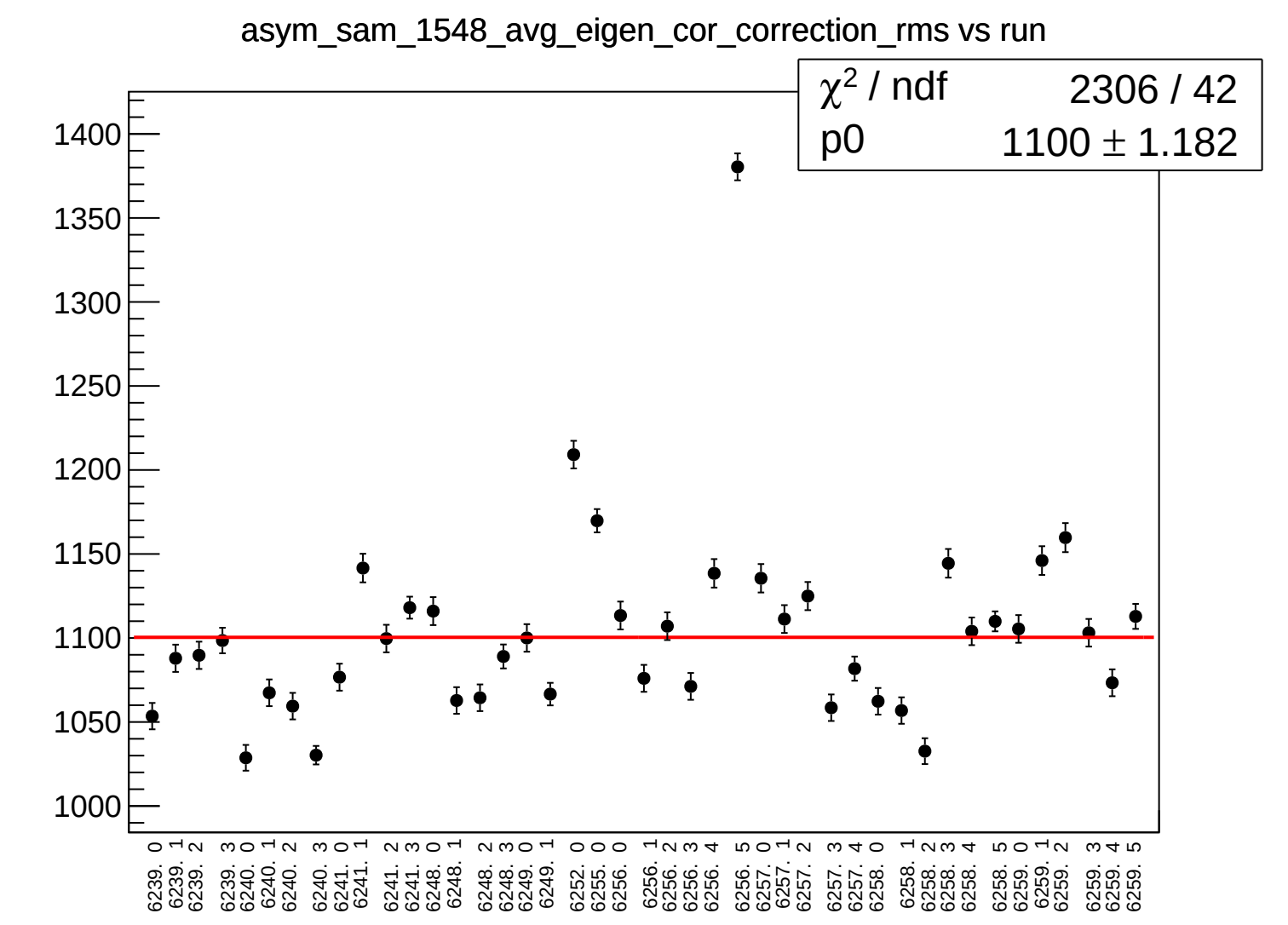

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 45.95 / 42
p0 −64.86 ± 160.1
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.14
Std Dev 0
2
1
0
−1
−2

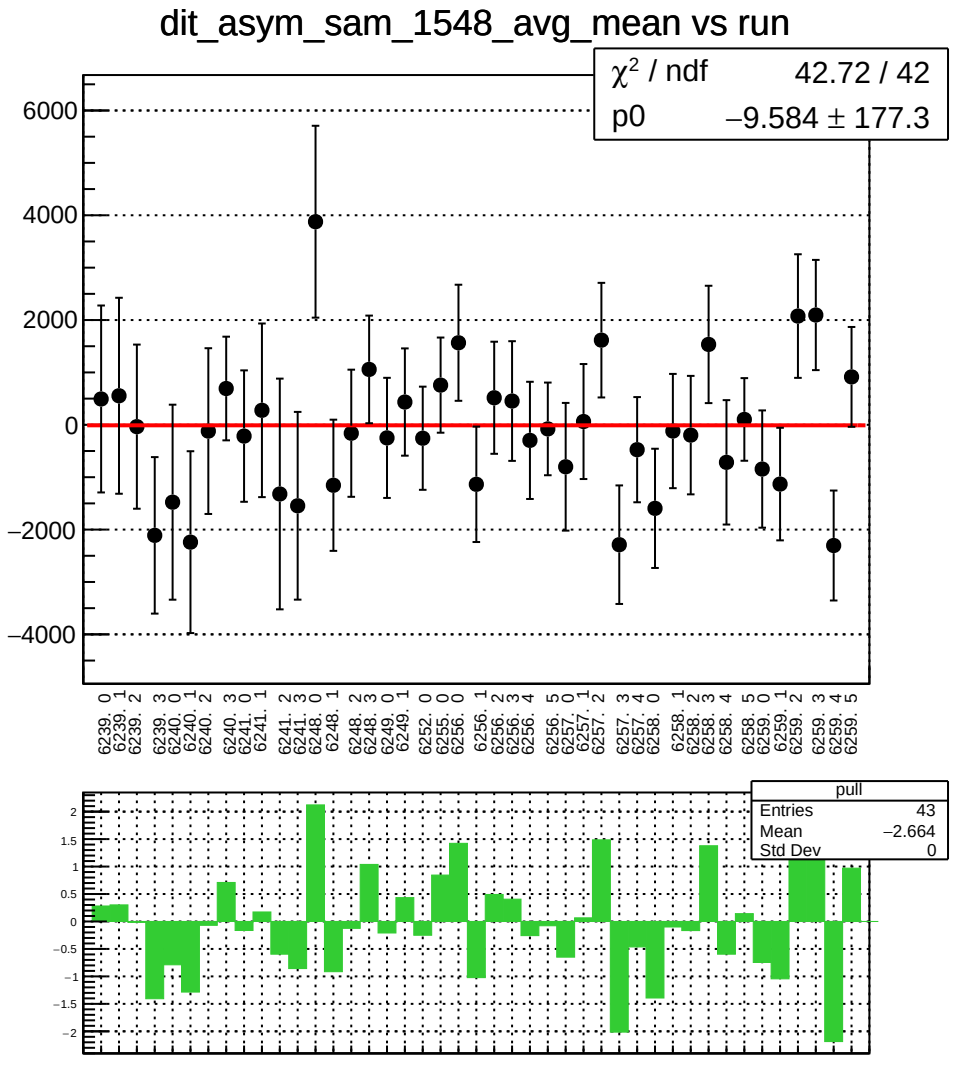

pull1D
Entries 43
Mean −0.01507
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

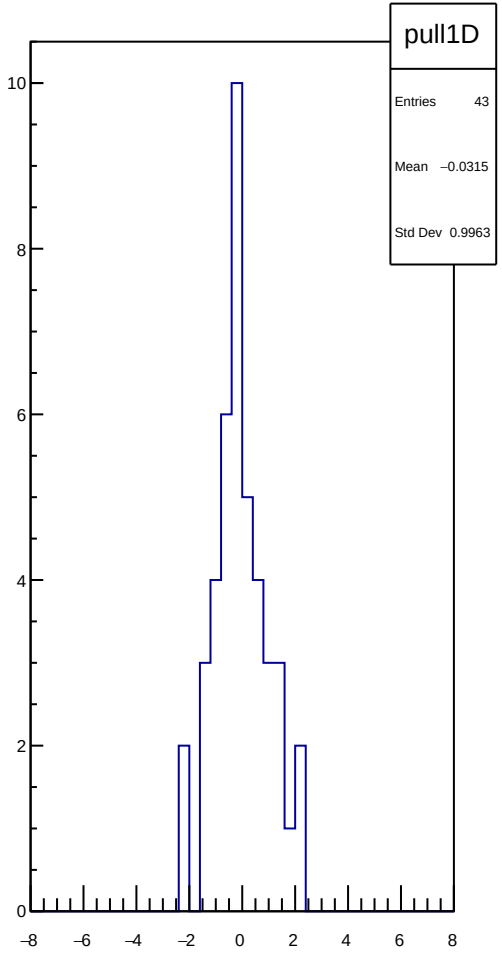

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.329e+04 / 42
p0 104.7 ± 0.1132
150
140
130
120
110
100
90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

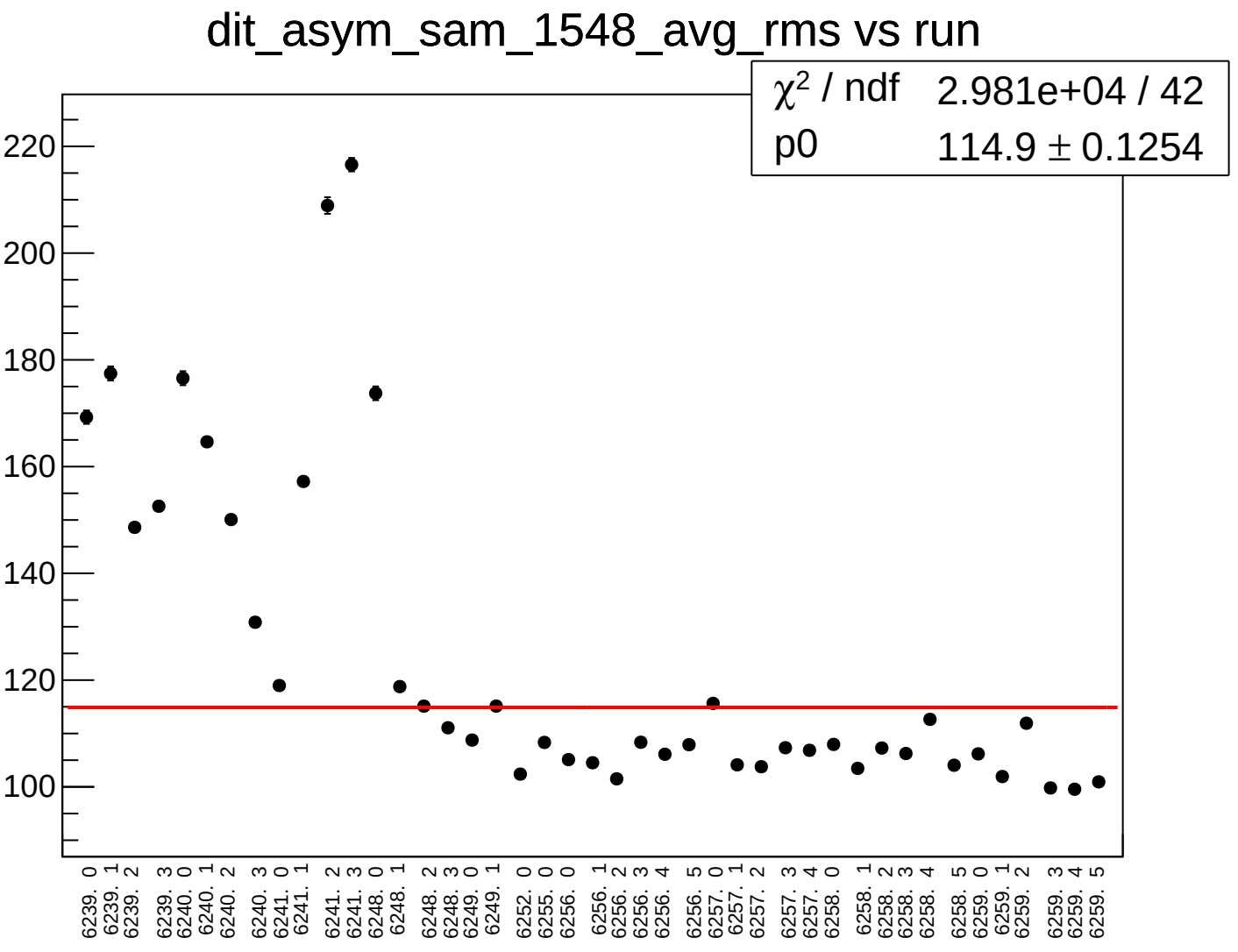

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 51.14 / 42
p0 −722.8 ± 1671
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 66.66
Std Dev 0
2
1
0
−1
−2

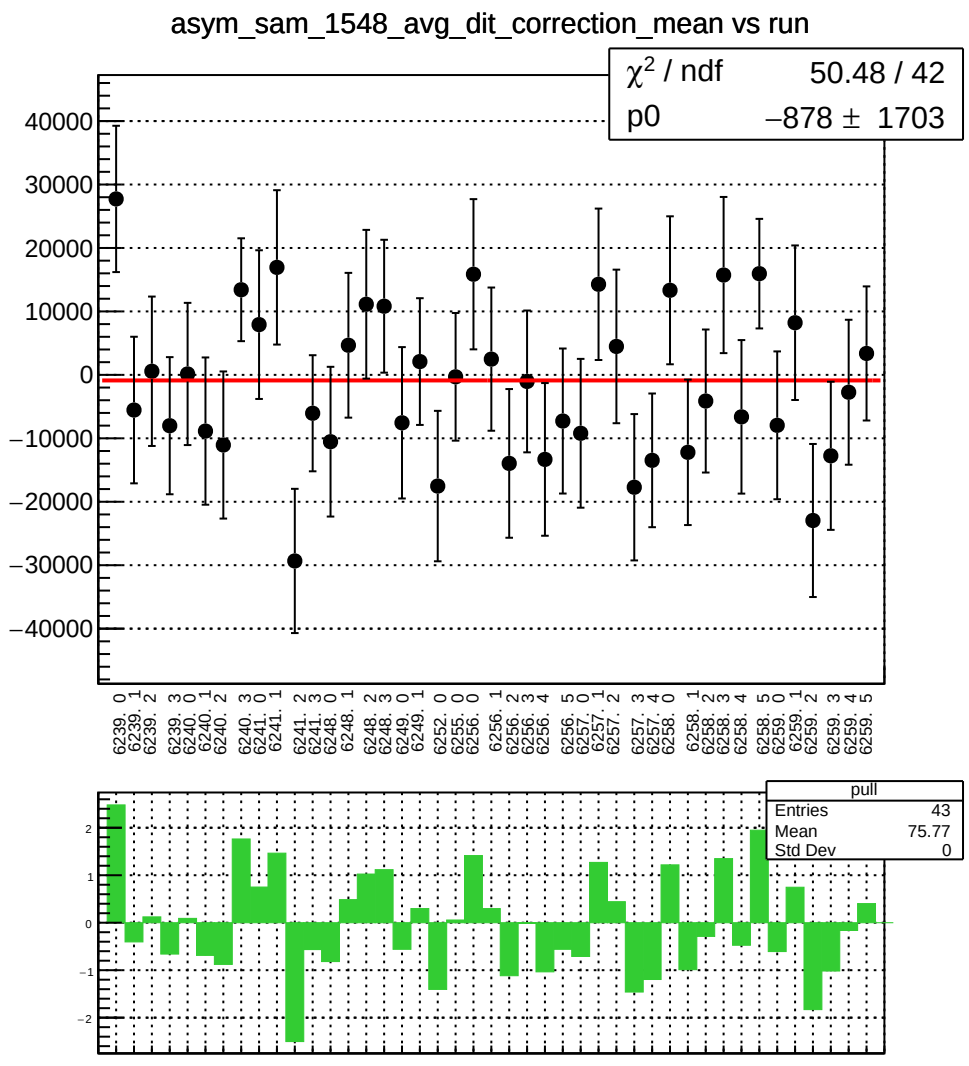

pull1D
Entries 43
Mean −0.0357
Std Dev 1.09
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

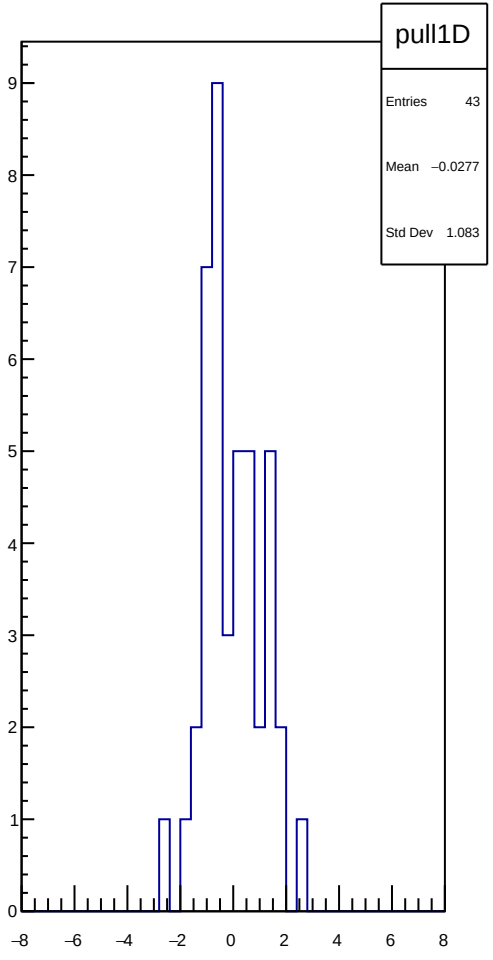

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 2306 / 42
p0 1100 ± 1.182
1400
1350
1300
1250
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

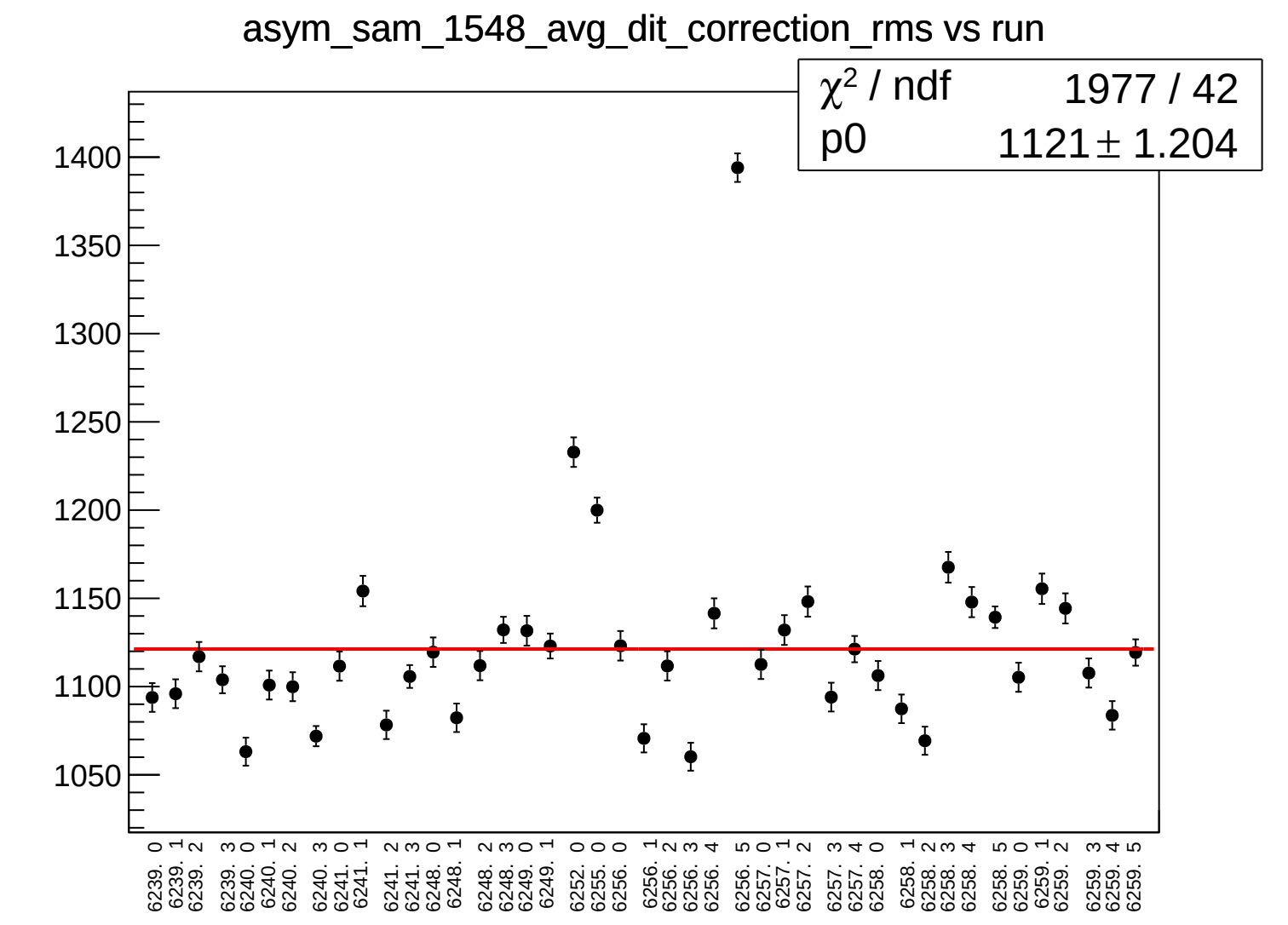

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 42.72 / 42
p0 −9.584 ± 177.3
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2.664
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

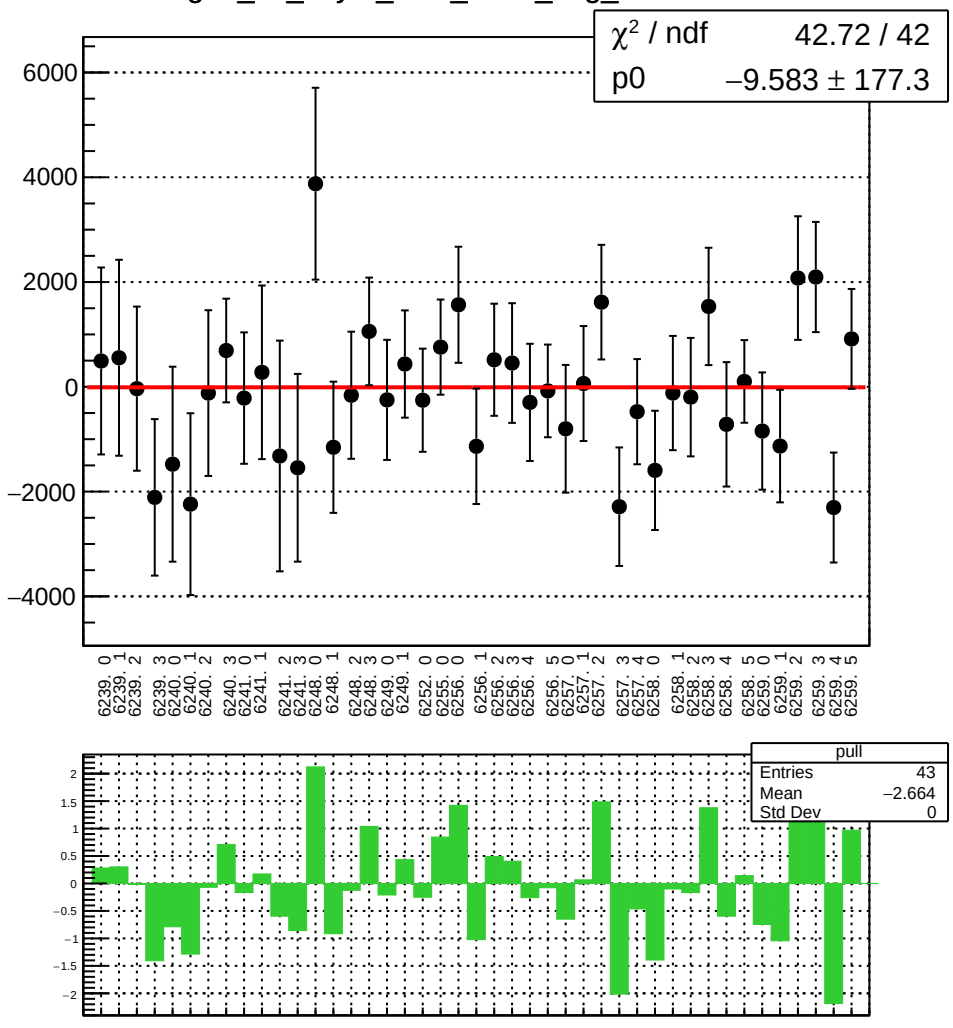

pull1D
Entries 43
Mean −0.0315
Std Dev 0.9963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

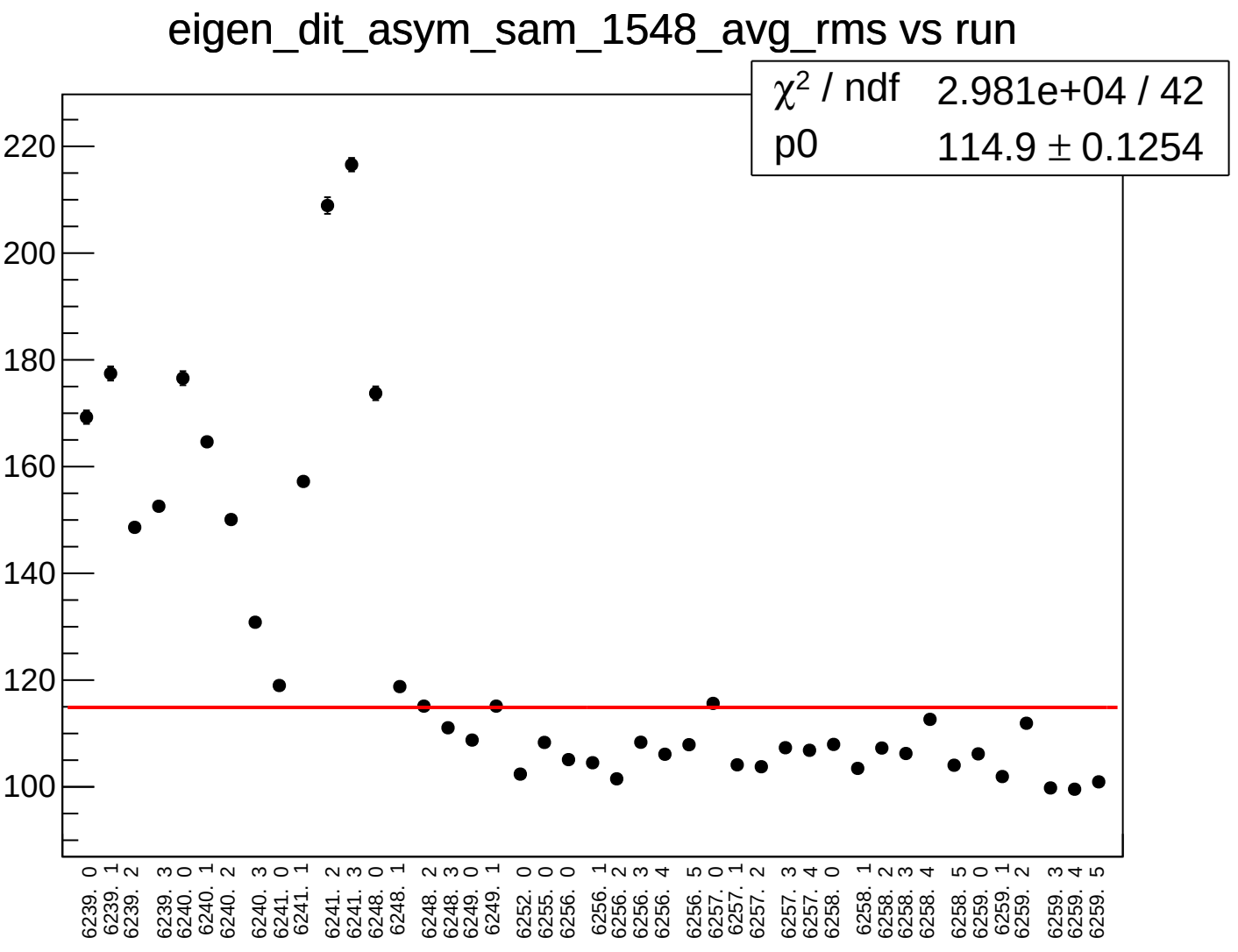

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.981e+04 / 42
p0 114.9 ± 0.1254
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

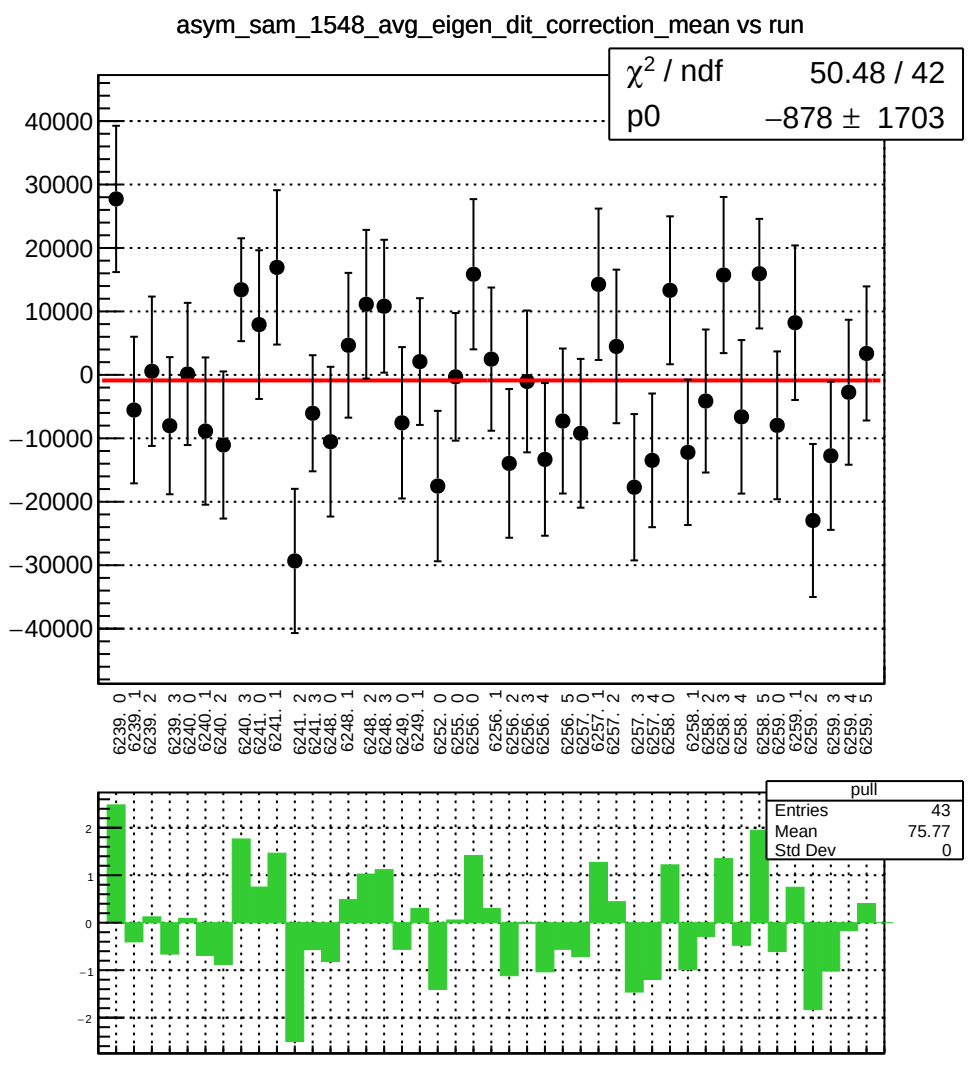

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 50.48 / 42
p0 −878 ± 1703
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.77
Std Dev 0
2
1
0
−1
−2

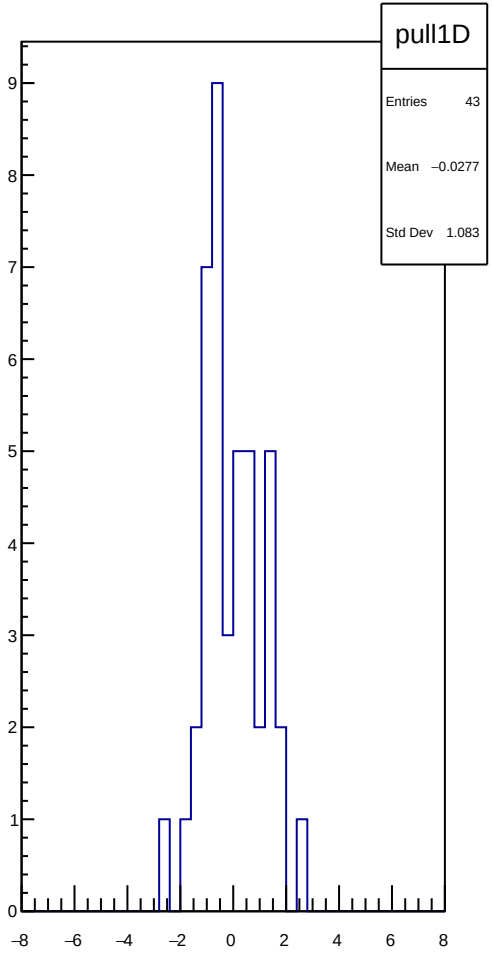

pull1D
Entries 43
Mean −0.0277
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

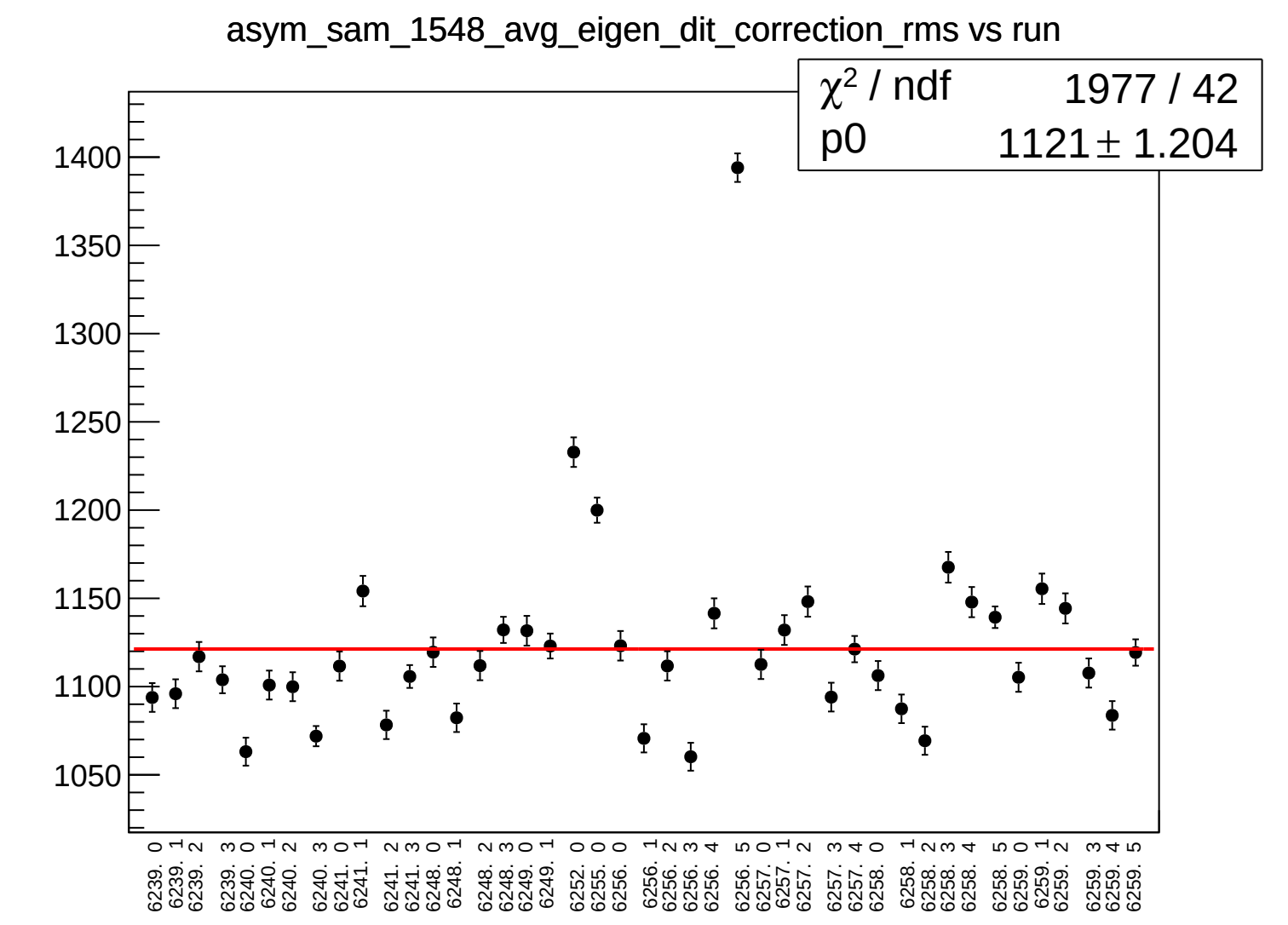

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1977 / 42
p0 1121 ± 1.204
1400
1350
1300
1250
1200
1150
1100
1050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

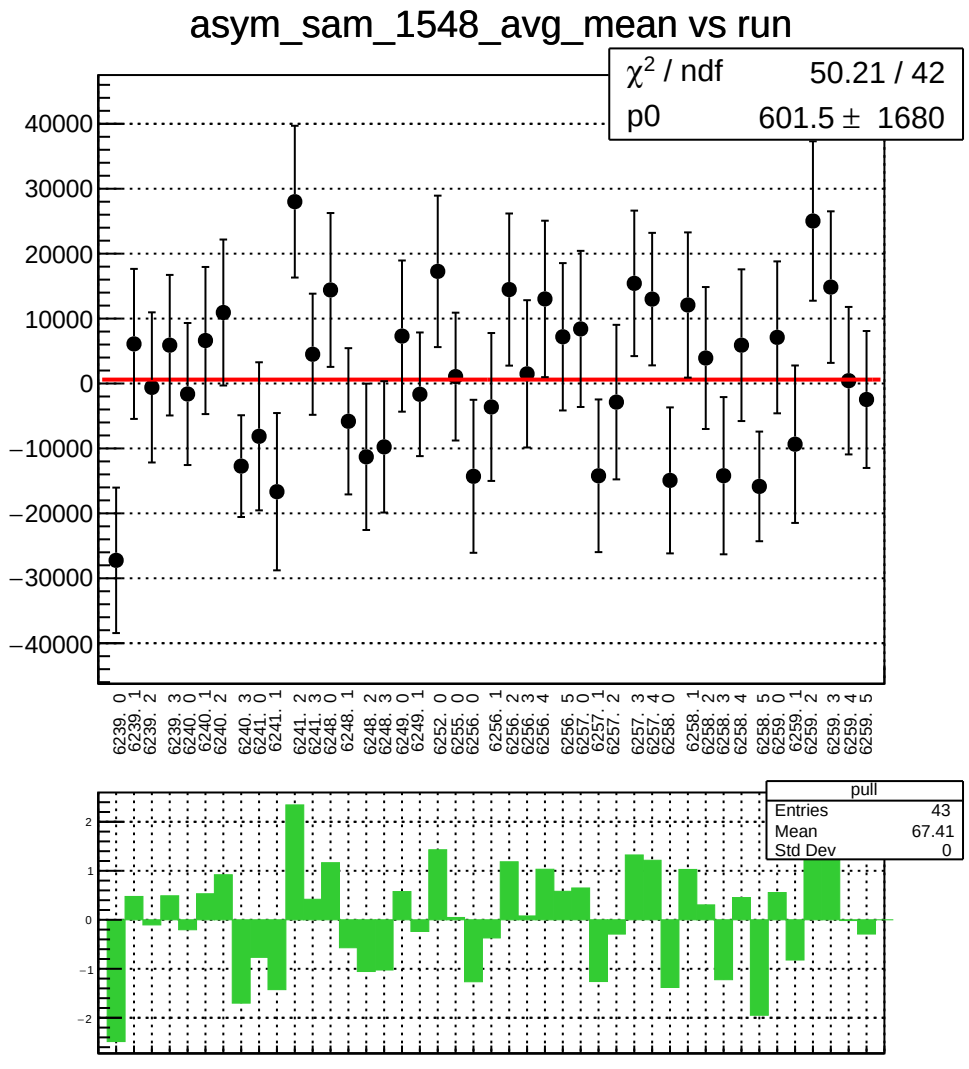

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 42.72 / 42
p0 −9.583 ± 177.3
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2.664
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0315
Std Dev 0.9963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

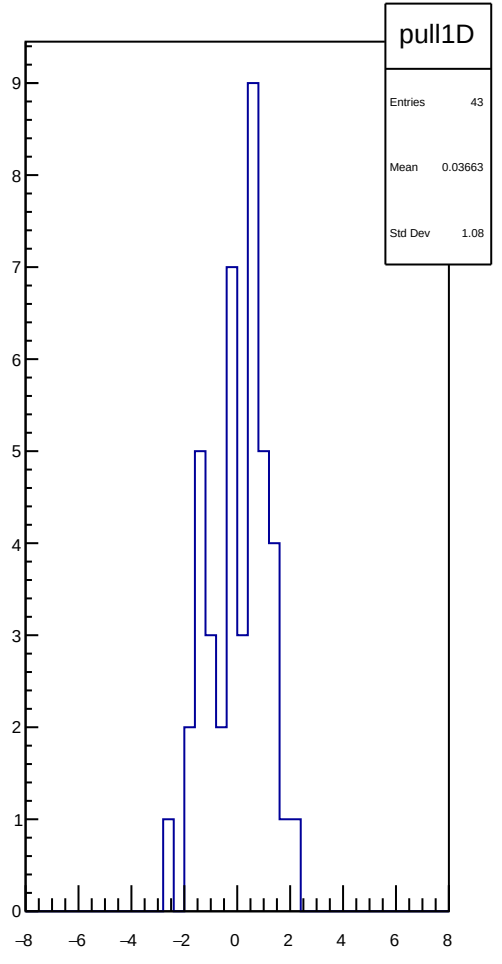

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.981e+04 / 42
p0 114.9 ± 0.1254
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

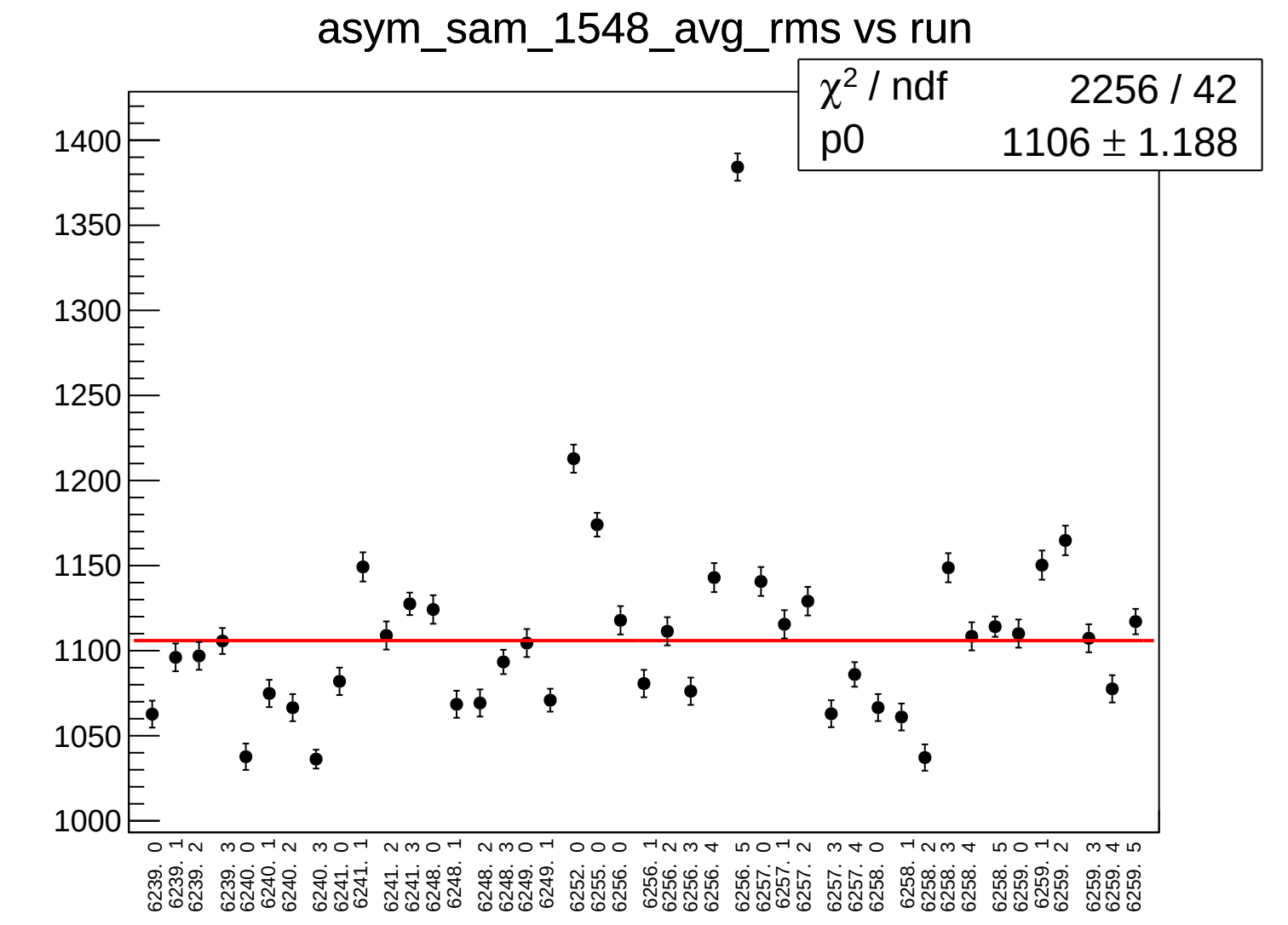

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.48 / 42
p0 −878 ± 1703
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.77
Std Dev 0
2
1
0
−1
−2

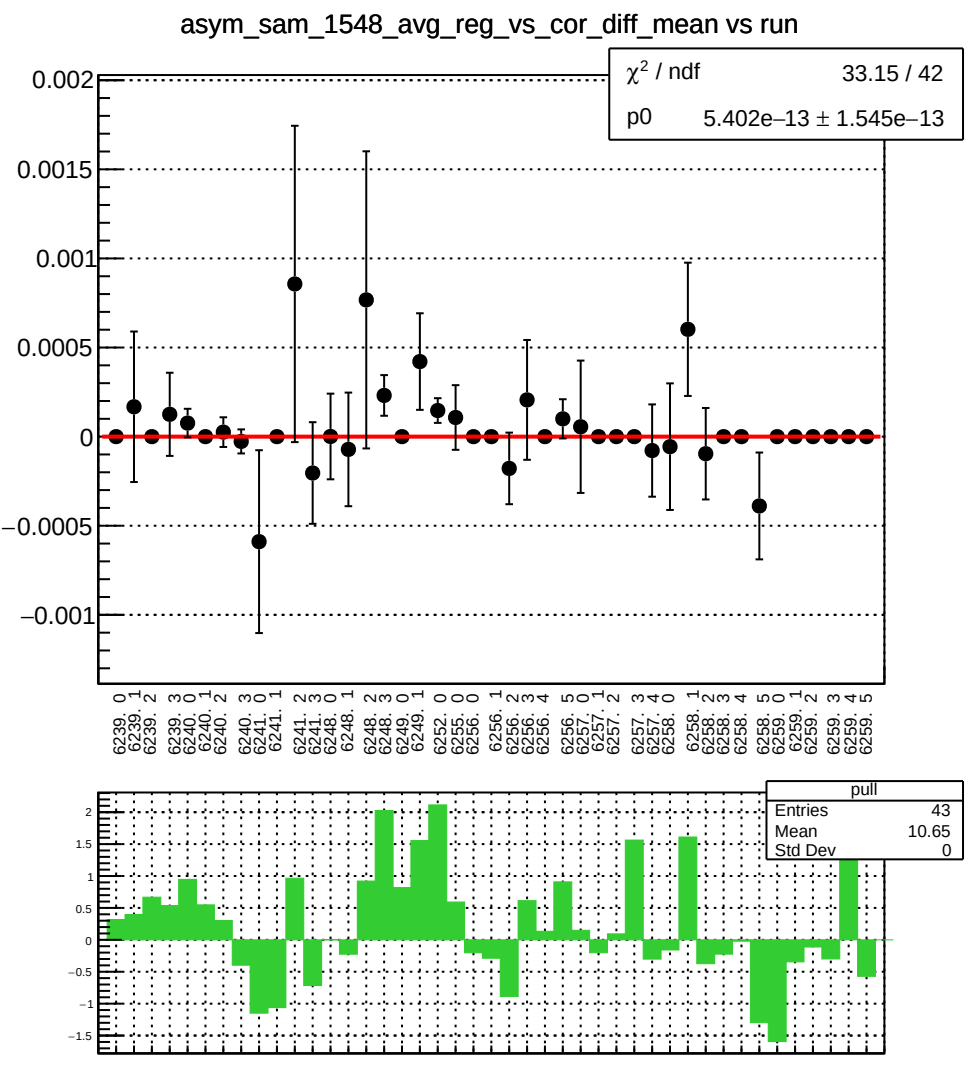

pull1D
Entries 43
Mean −0.0277
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

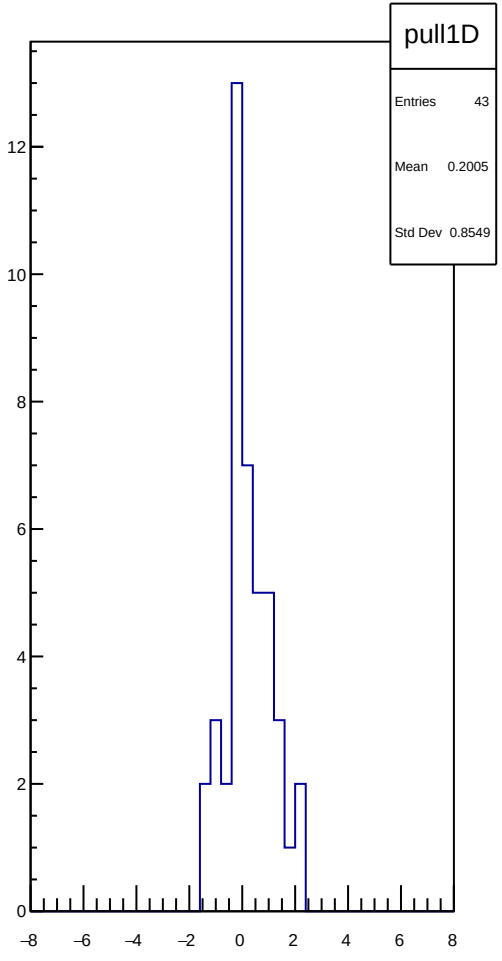

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1977 / 42
p0 1121 ± 1.204
1400
1350
1300
1250
1200
1150
1100
1050
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

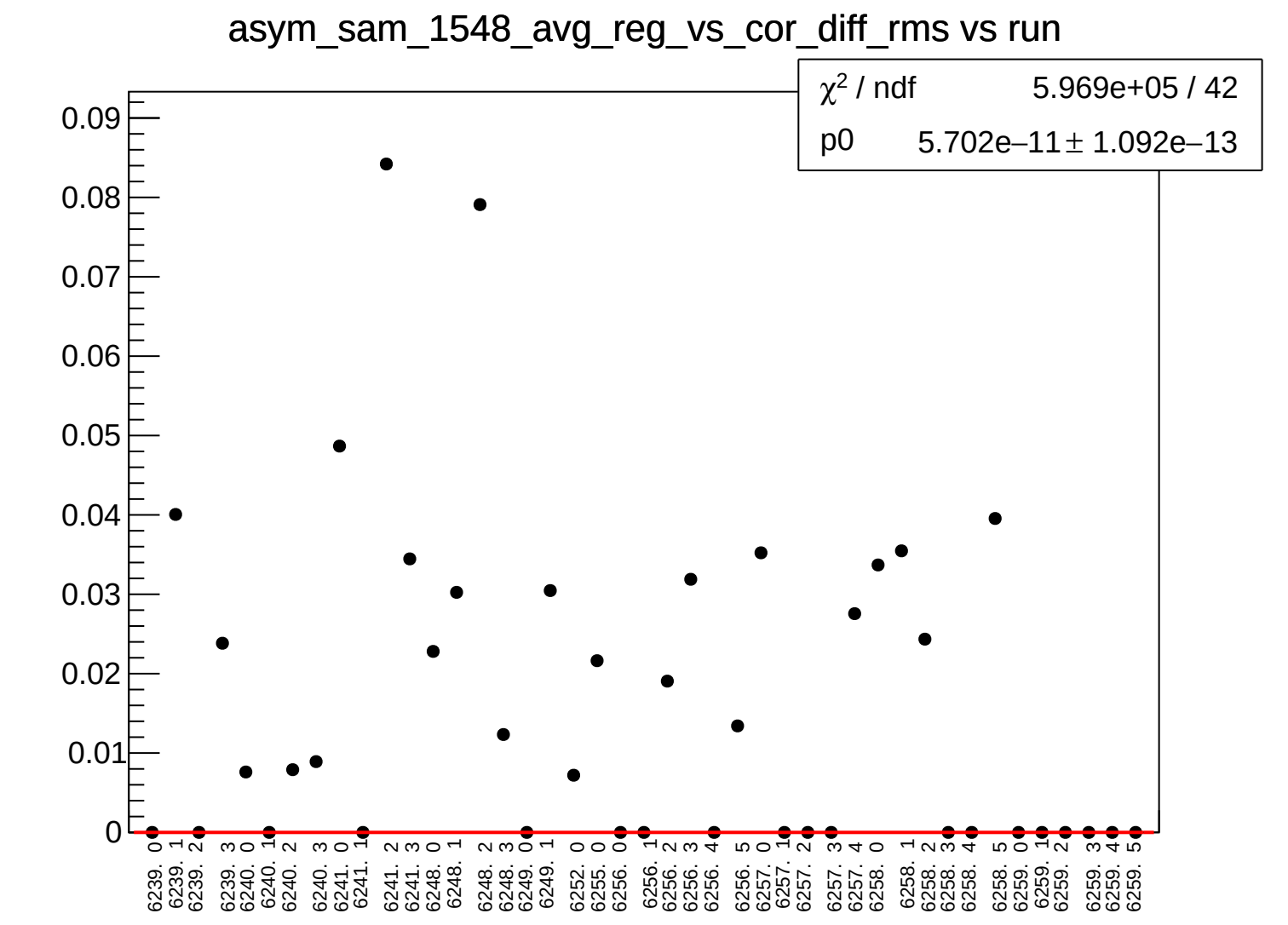

asym_sam_1548_avg_mean vs run
χ² / ndf 50.21 / 42
p0 601.5 ± 1680
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 67.41
Std Dev 0
2
1
0
−1
−2

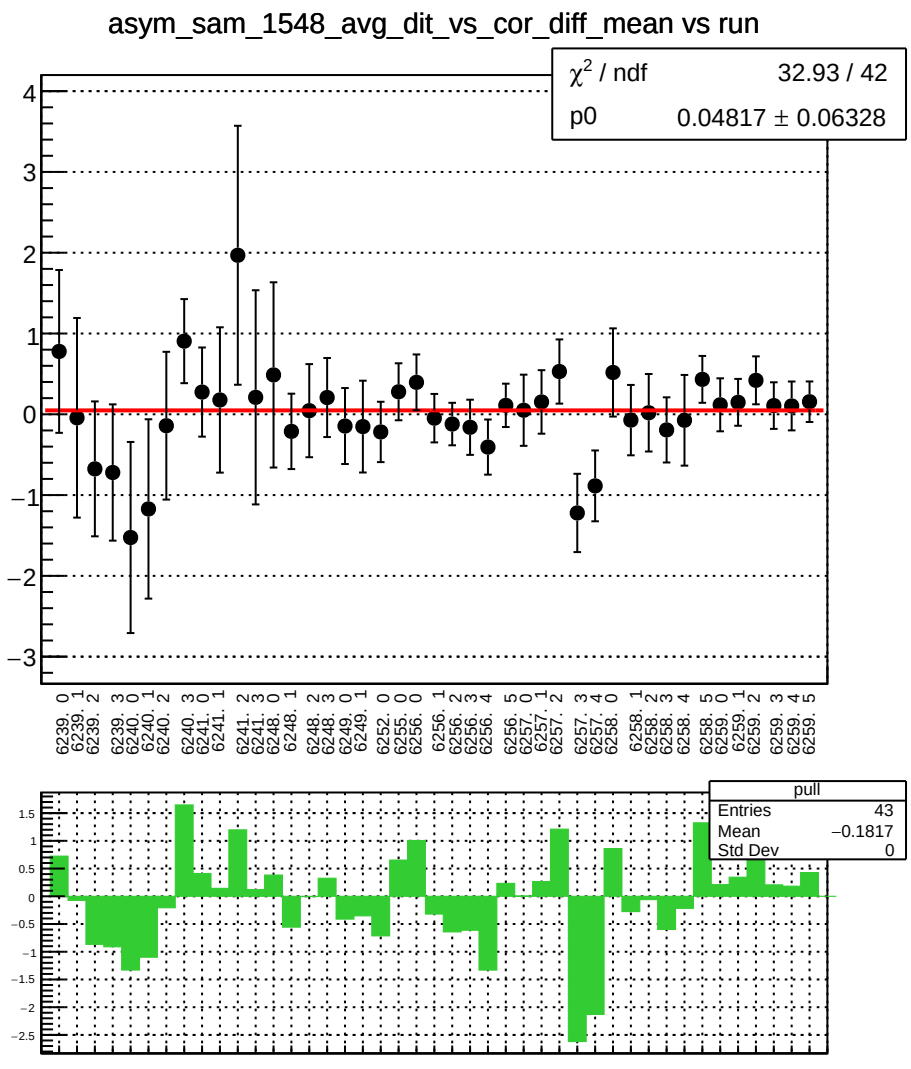

pull1D
Entries 43
Mean 0.03663
Std Dev 1.08
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

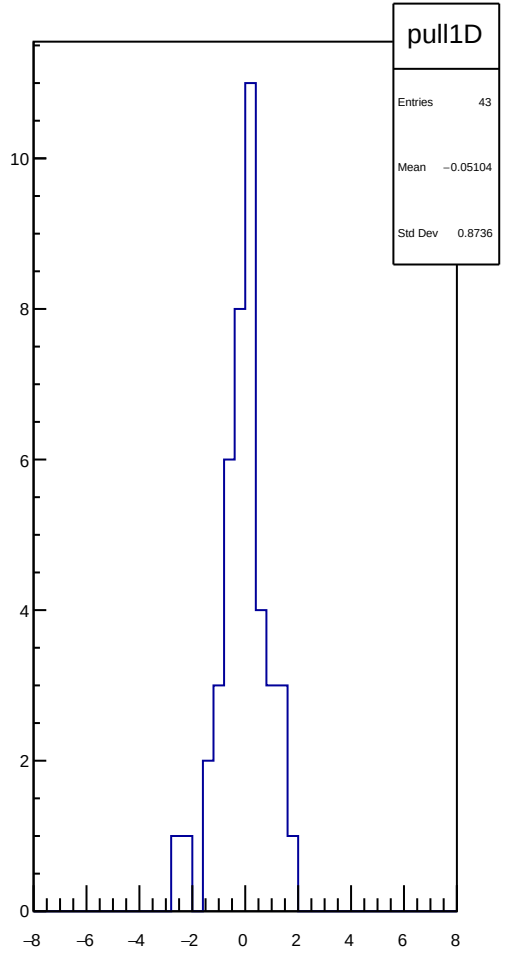

asym_sam_1548_avg_rms vs run
χ² / ndf 2256 / 42
p0 1106 ± 1.188
1400
1350
1300
1250
1200
1150
1100
1050
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

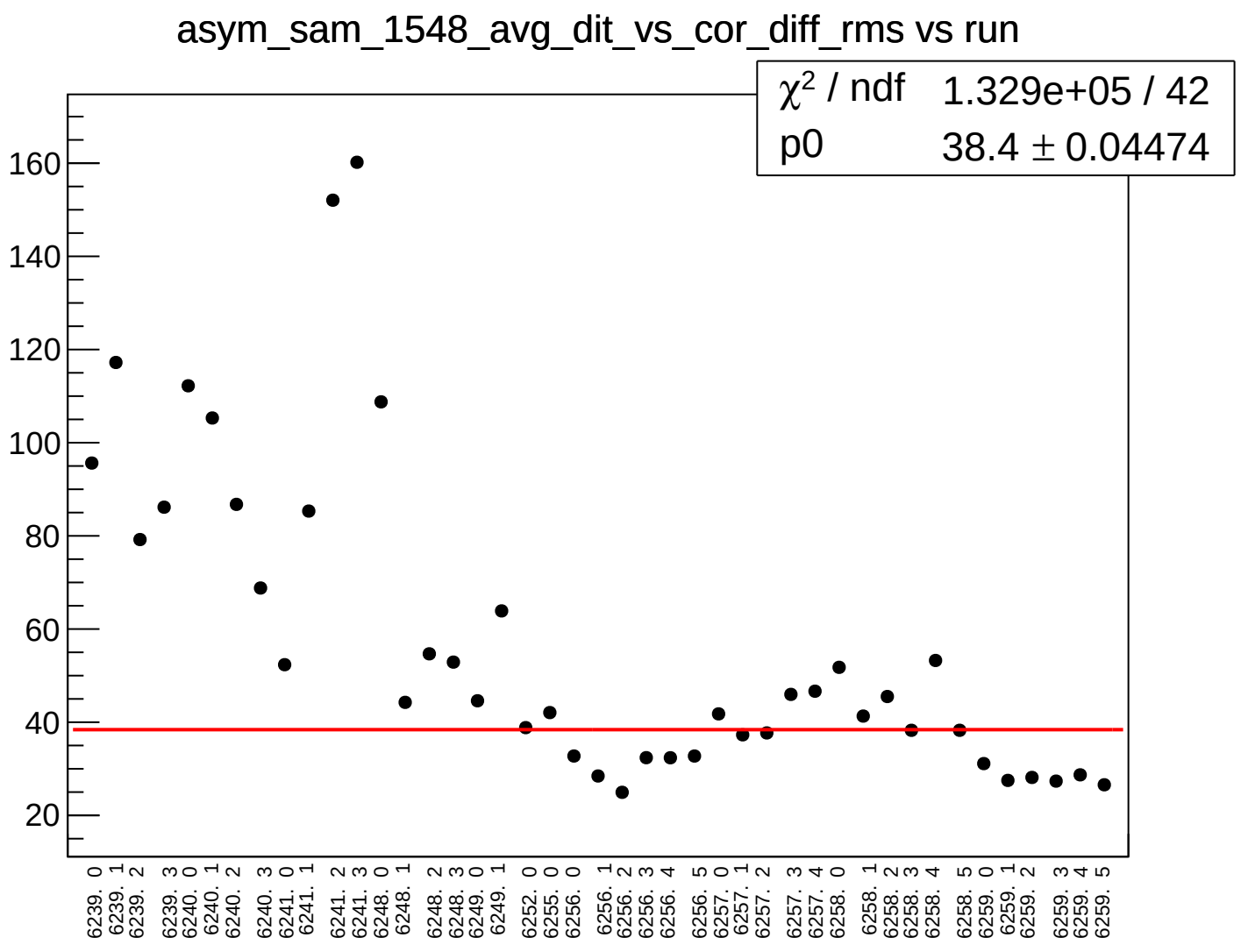

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.15 / 42
p0 5.402e−13 ± 1.545e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 10.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

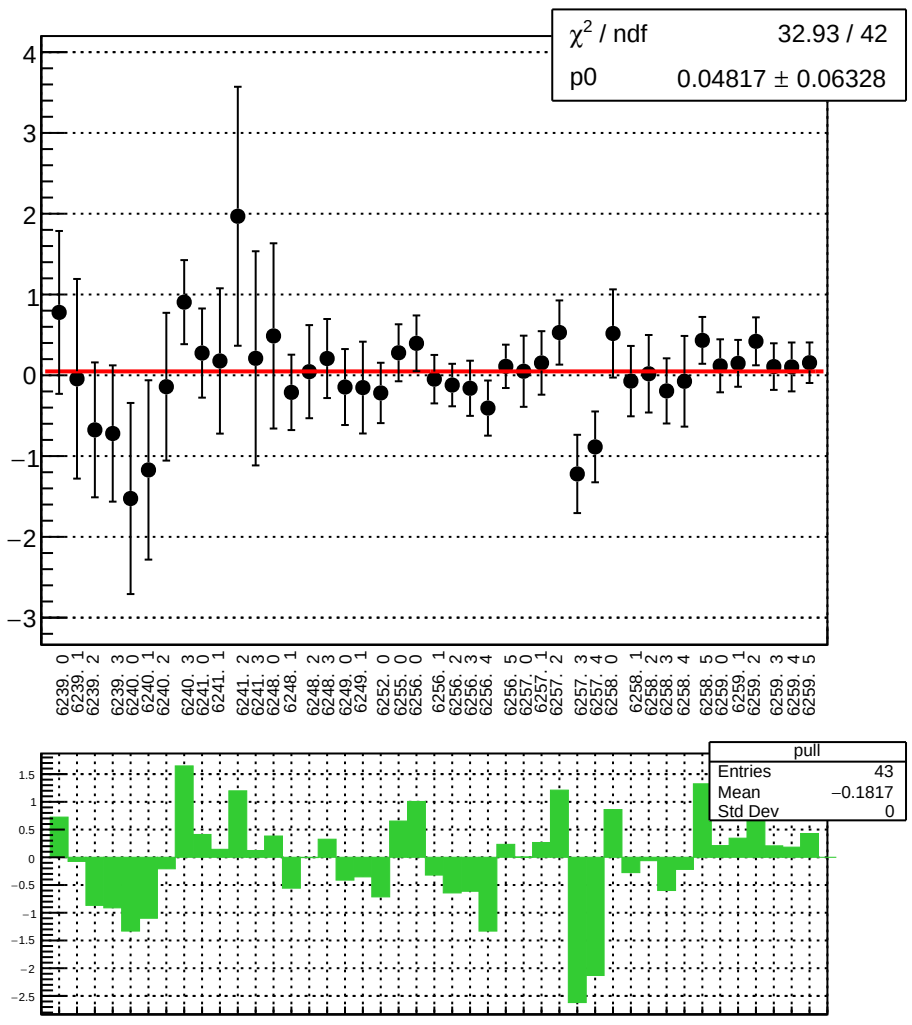

pull1D
Entries 43
Mean 0.2005
Std Dev 0.8549
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

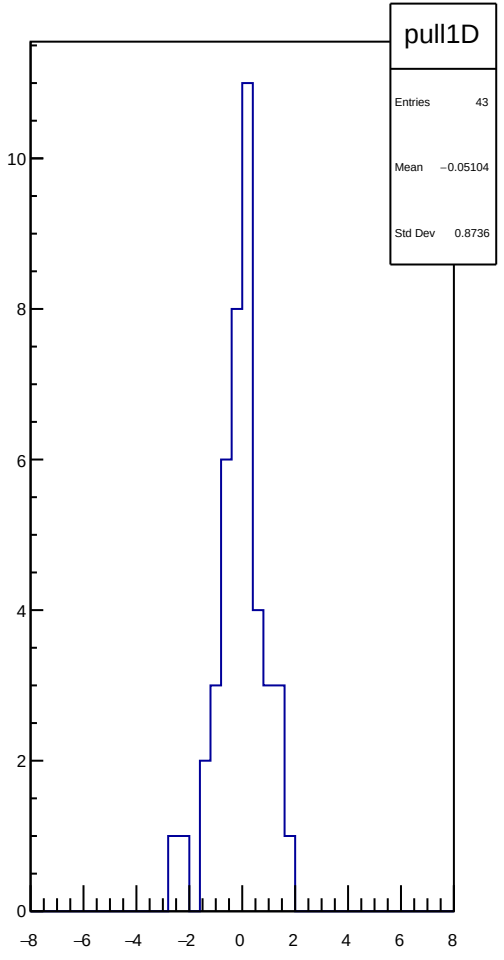

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.969e+05 / 42
p0 5.702e−11 ± 1.092e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

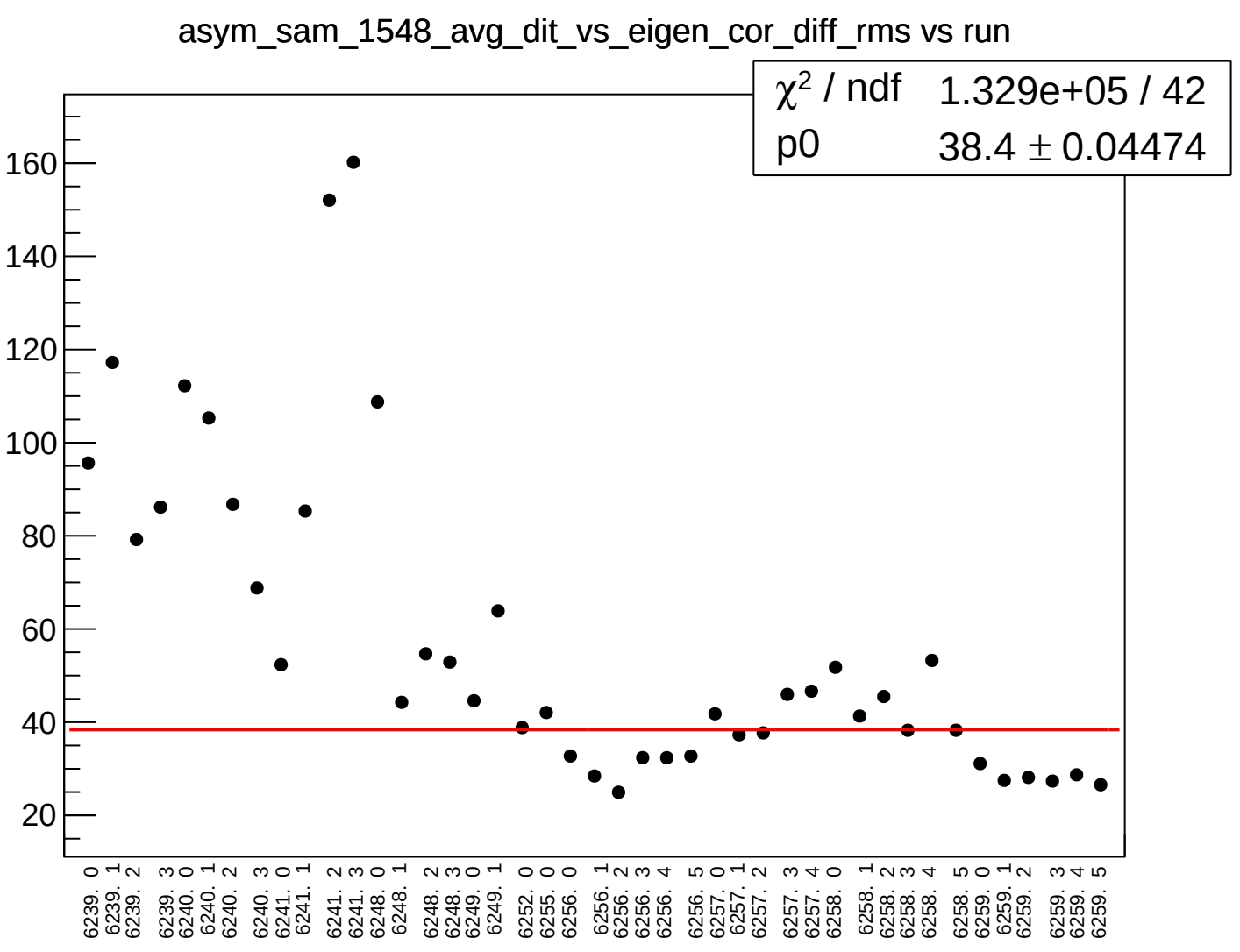

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 32.93 / 42
p0 0.04817 ± 0.06328
pull
Entries 43
Mean −0.1817
Std Dev 0

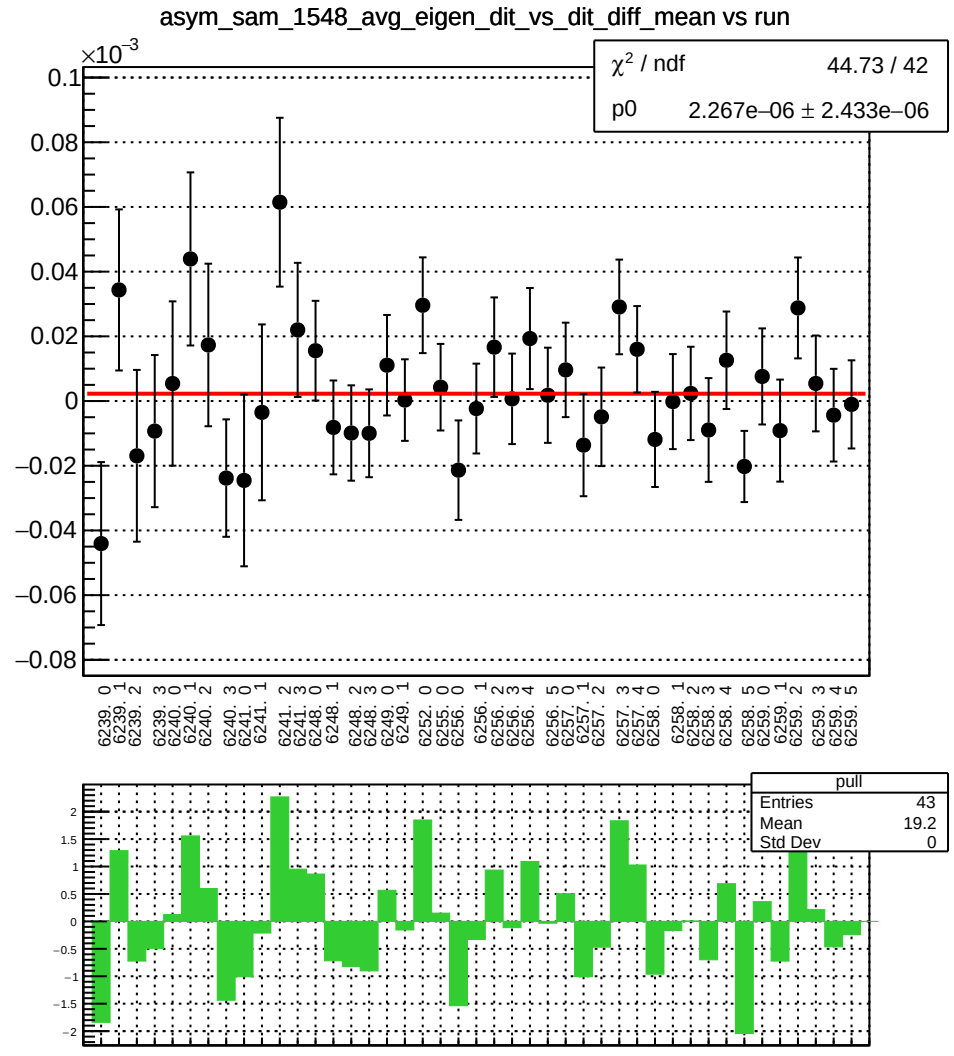

pull1D
Entries 43
Mean −0.05104
Std Dev 0.8736

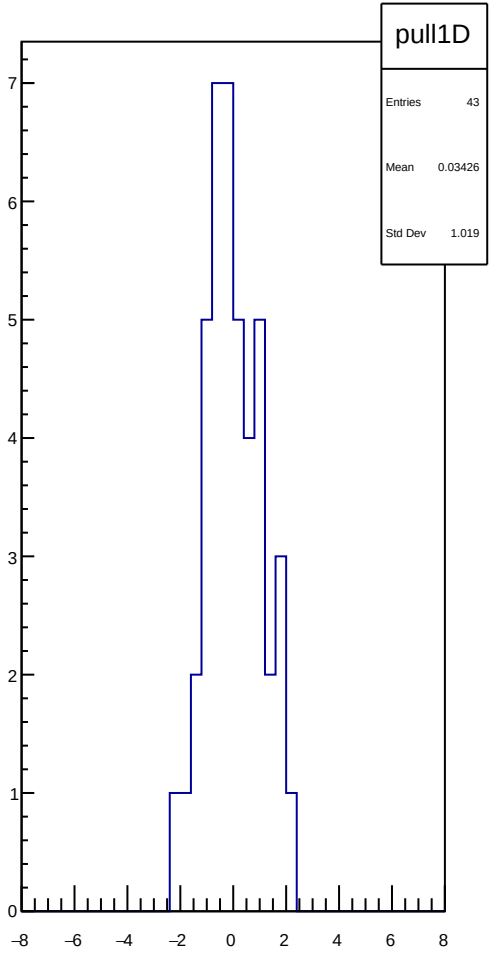

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.329e+05 / 42
p0 38.4 ± 0.04474
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

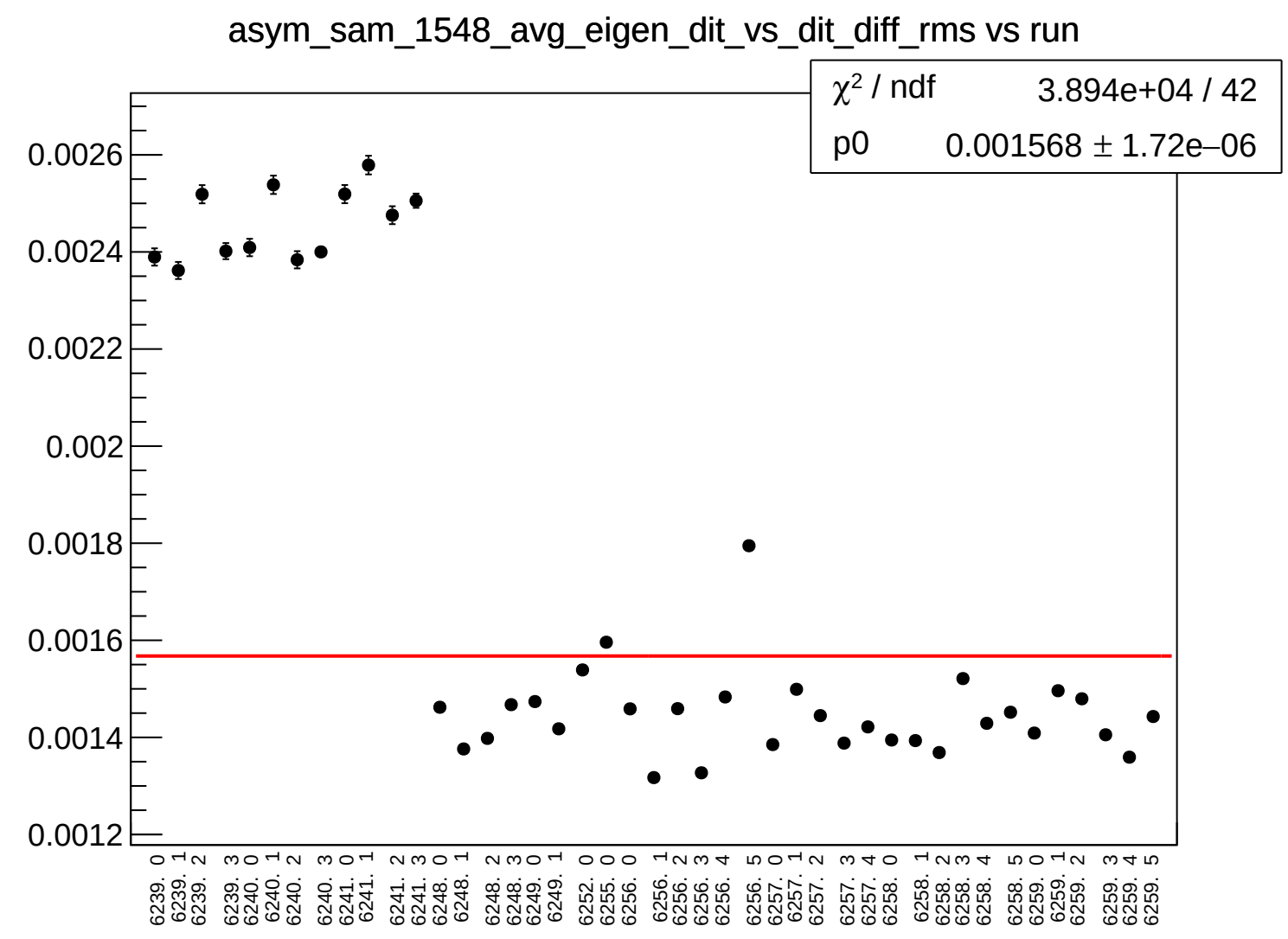

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.93 / 42
p0 0.04817 ± 0.06328
pull
Entries 43
Mean −0.1817
Std Dev 0

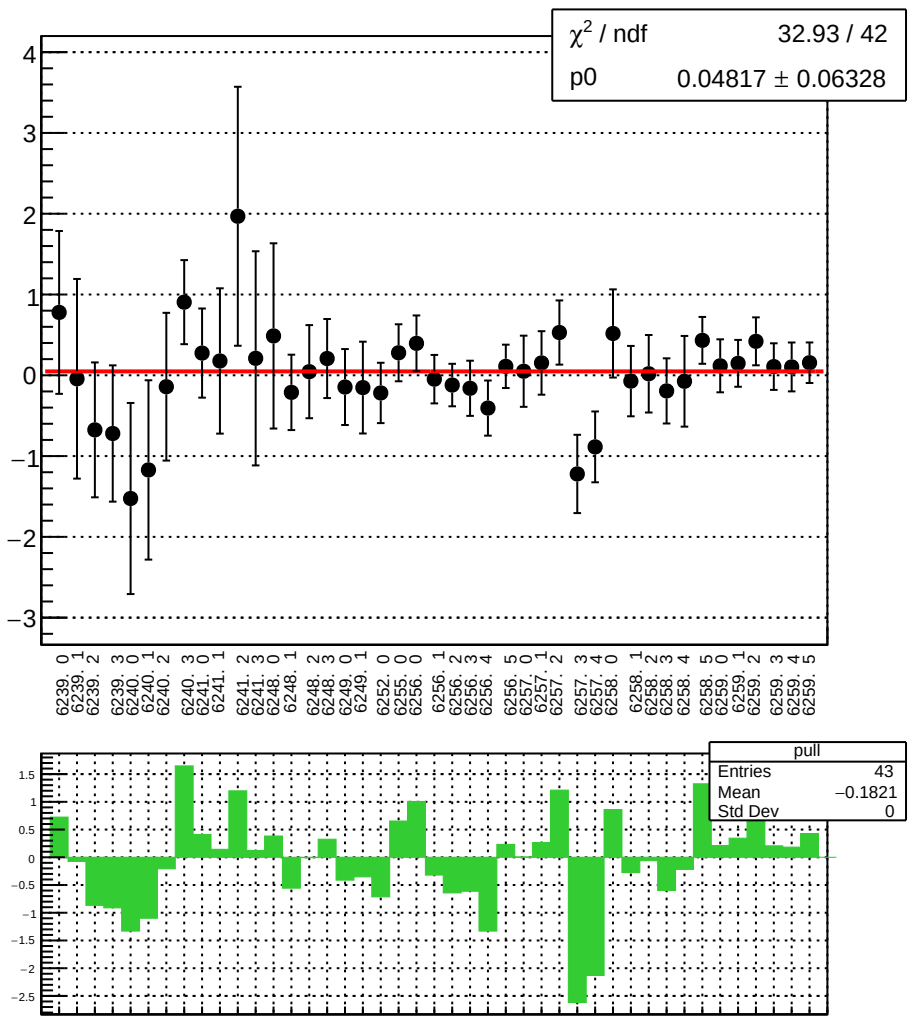

pull1D
Entries 43
Mean −0.05104
Std Dev 0.8736

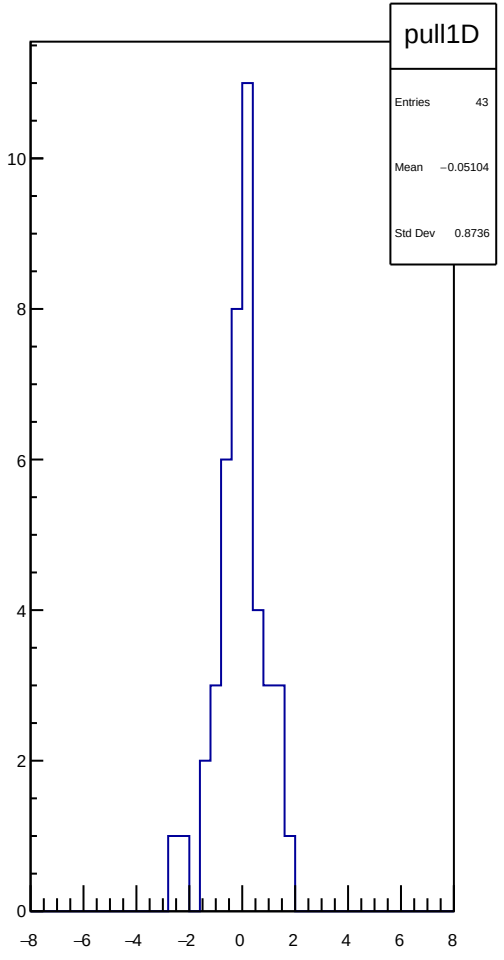

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.329e+05 / 42
p0 38.4 ± 0.04474
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

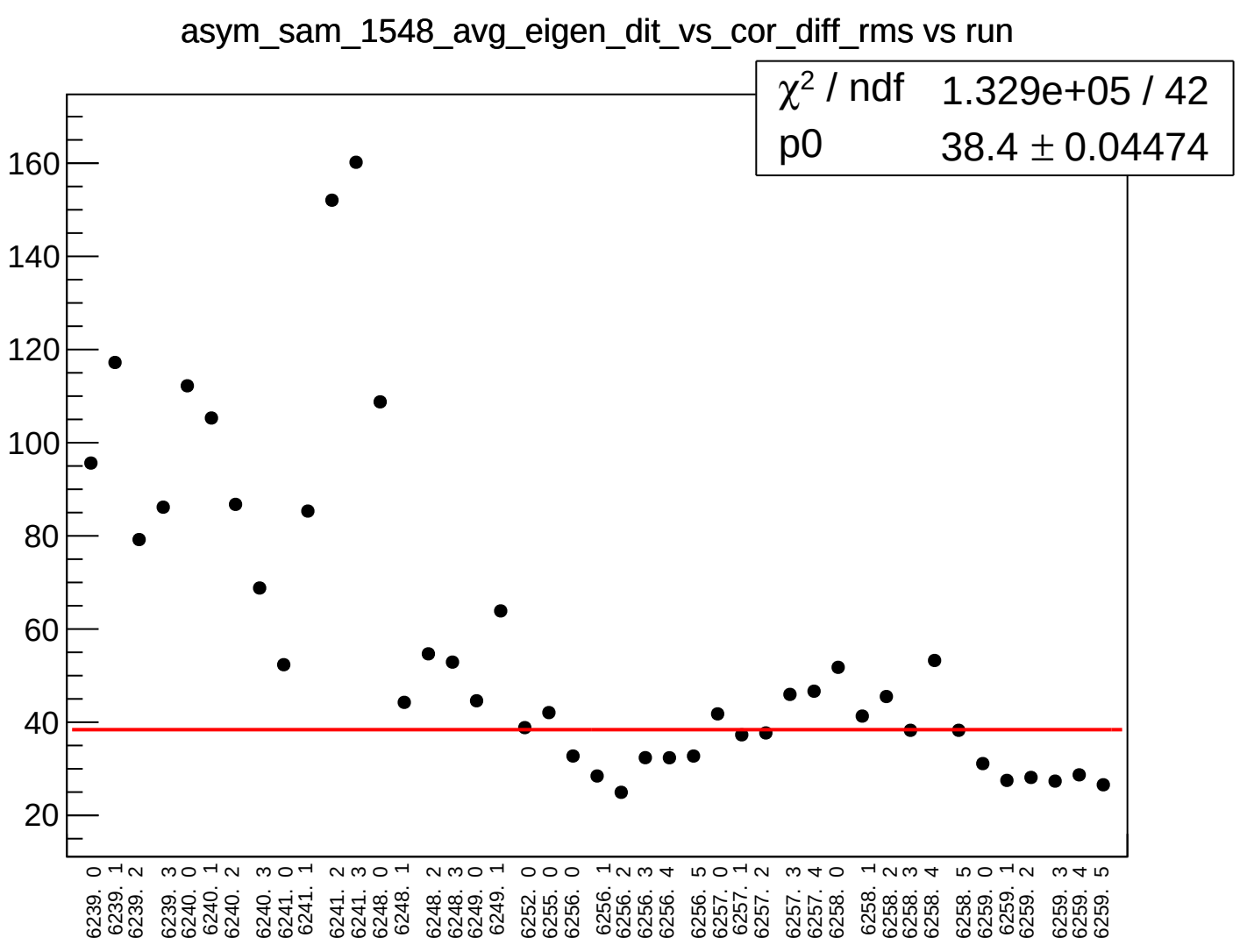

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.73 / 42
p0 2.267e−06 ± 2.433e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 19.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

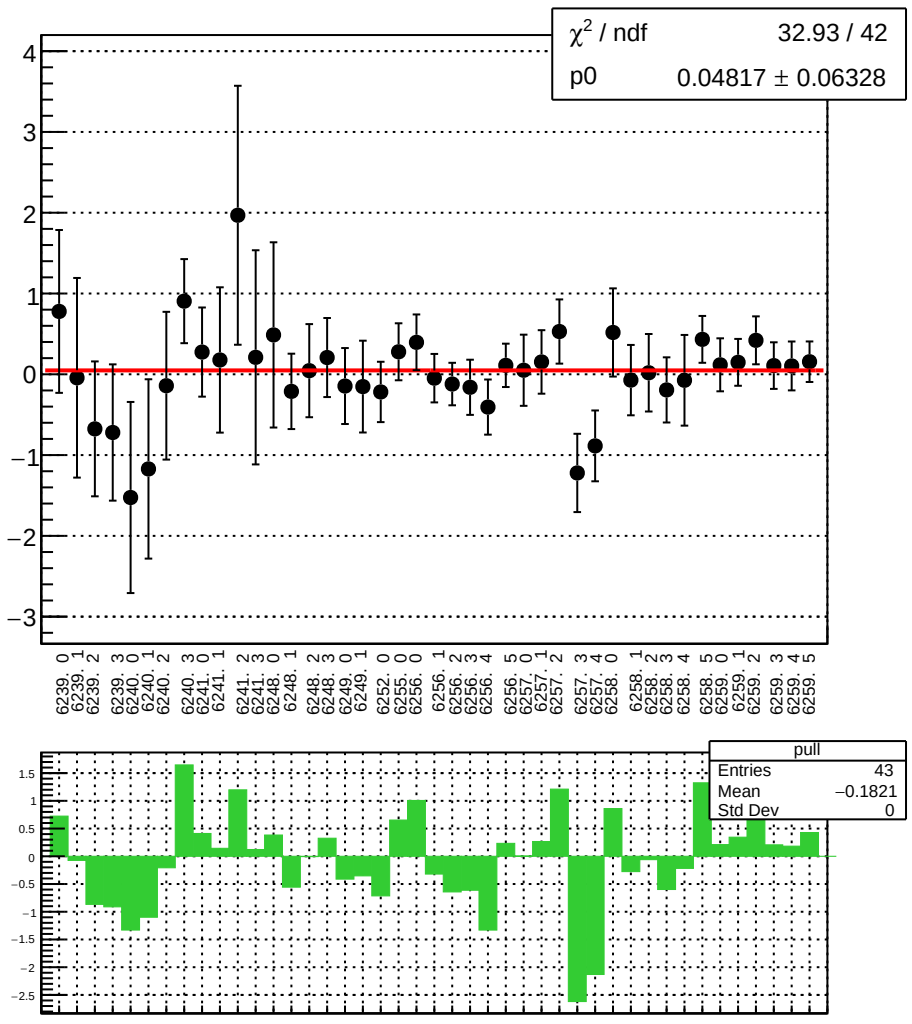

pull1D
Entries 43
Mean 0.03426
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

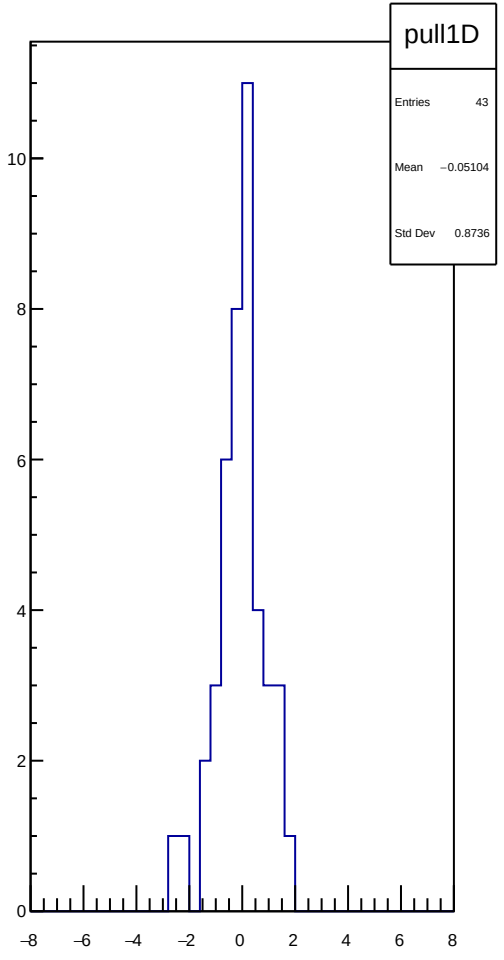

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.894e+04 / 42
p0 0.001568 ± 1.72e–06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

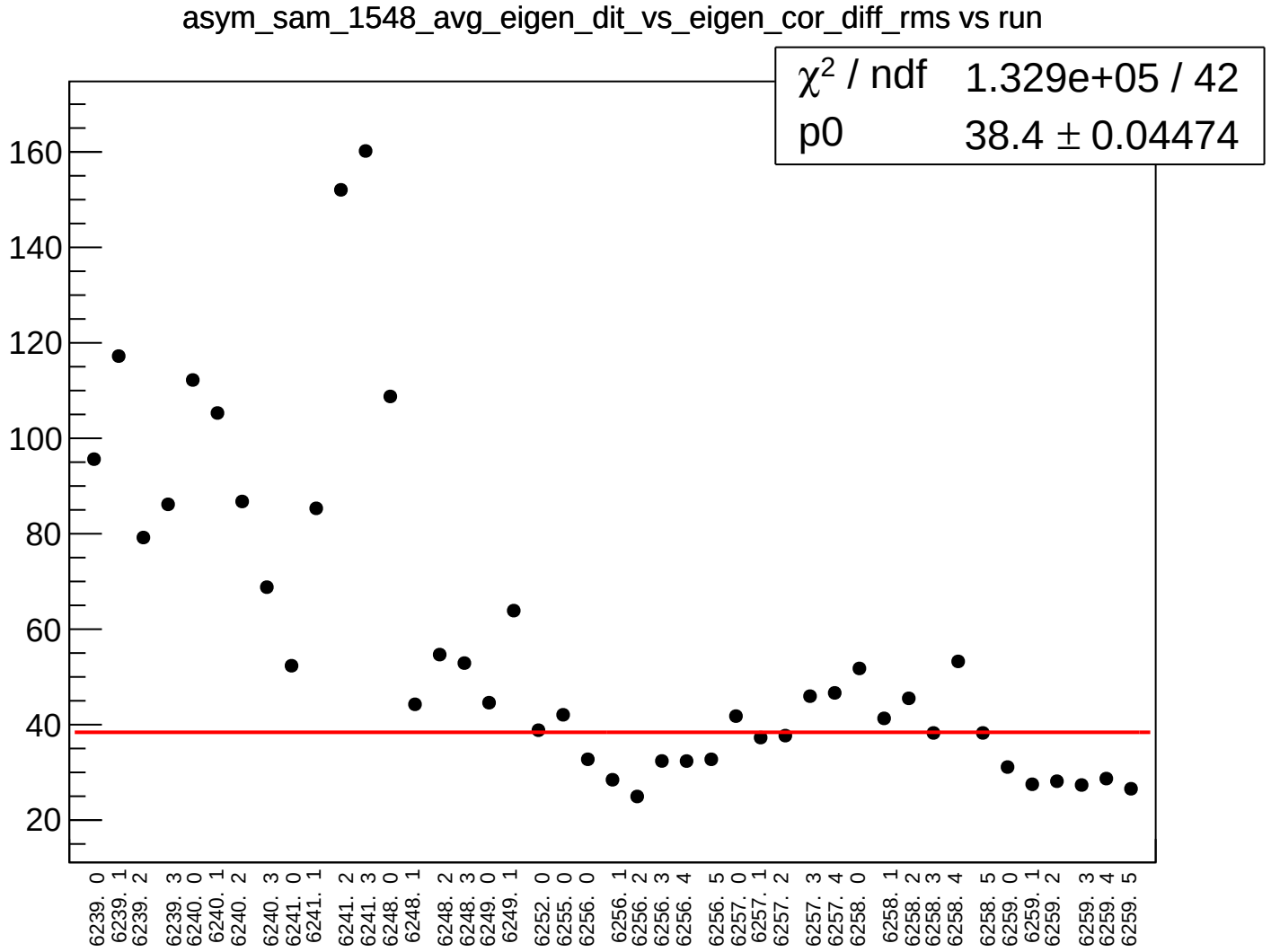

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.93 / 42
p0 0.04817 ± 0.06328
pull
Entries 43
Mean −0.1821
Std Dev 0

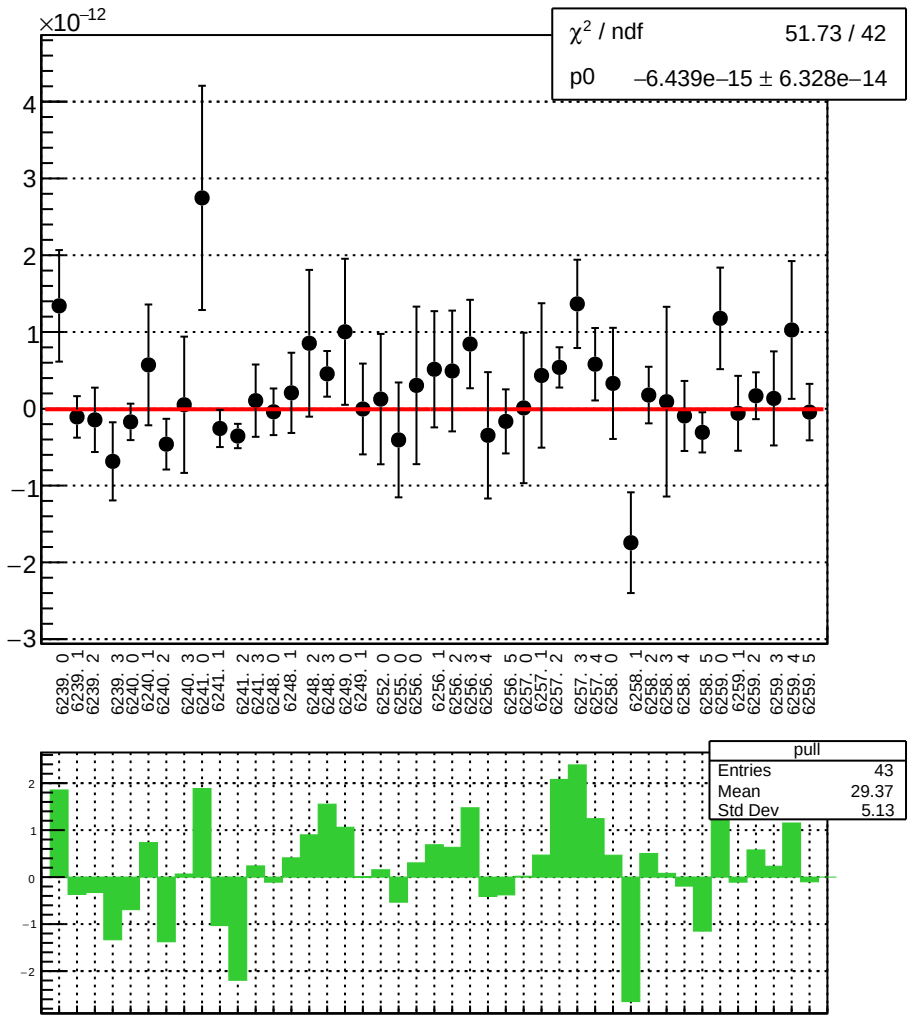

pull1D
Entries 43
Mean −0.05104
Std Dev 0.8736

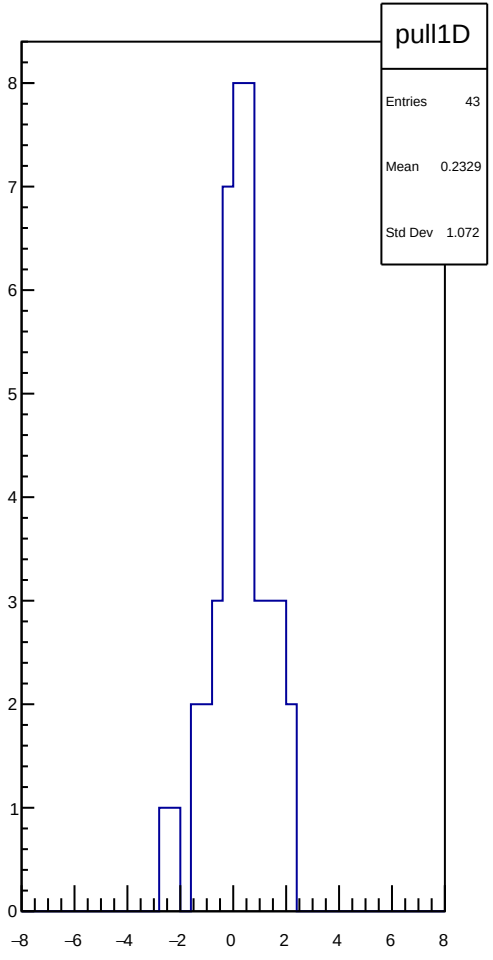

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.329e+05 / 42
p0 38.4 ± 0.04474
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

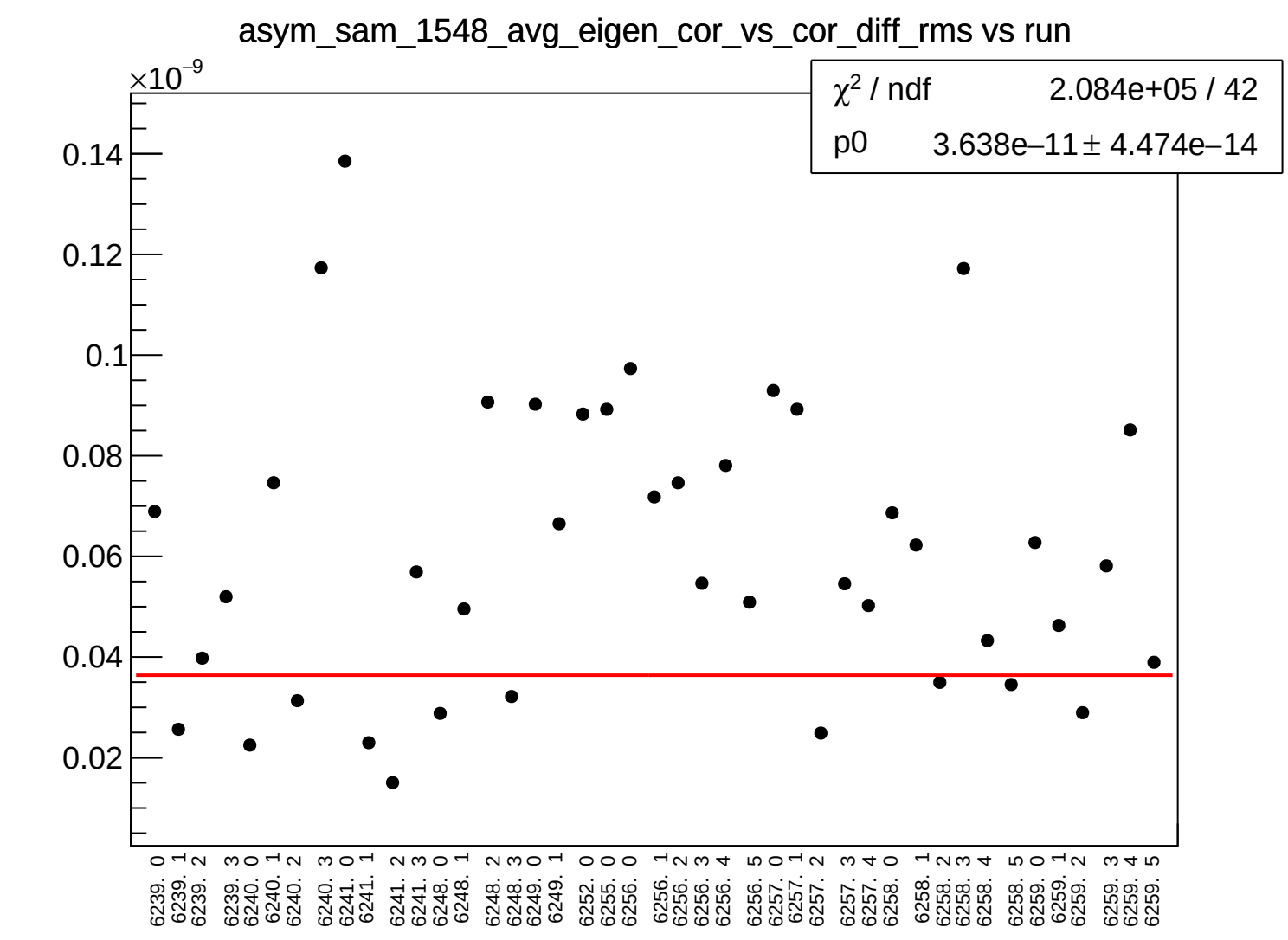

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.93 / 42
p0 0.04817 ± 0.06328
pull
Entries 43
Mean −0.1821
Std Dev 0

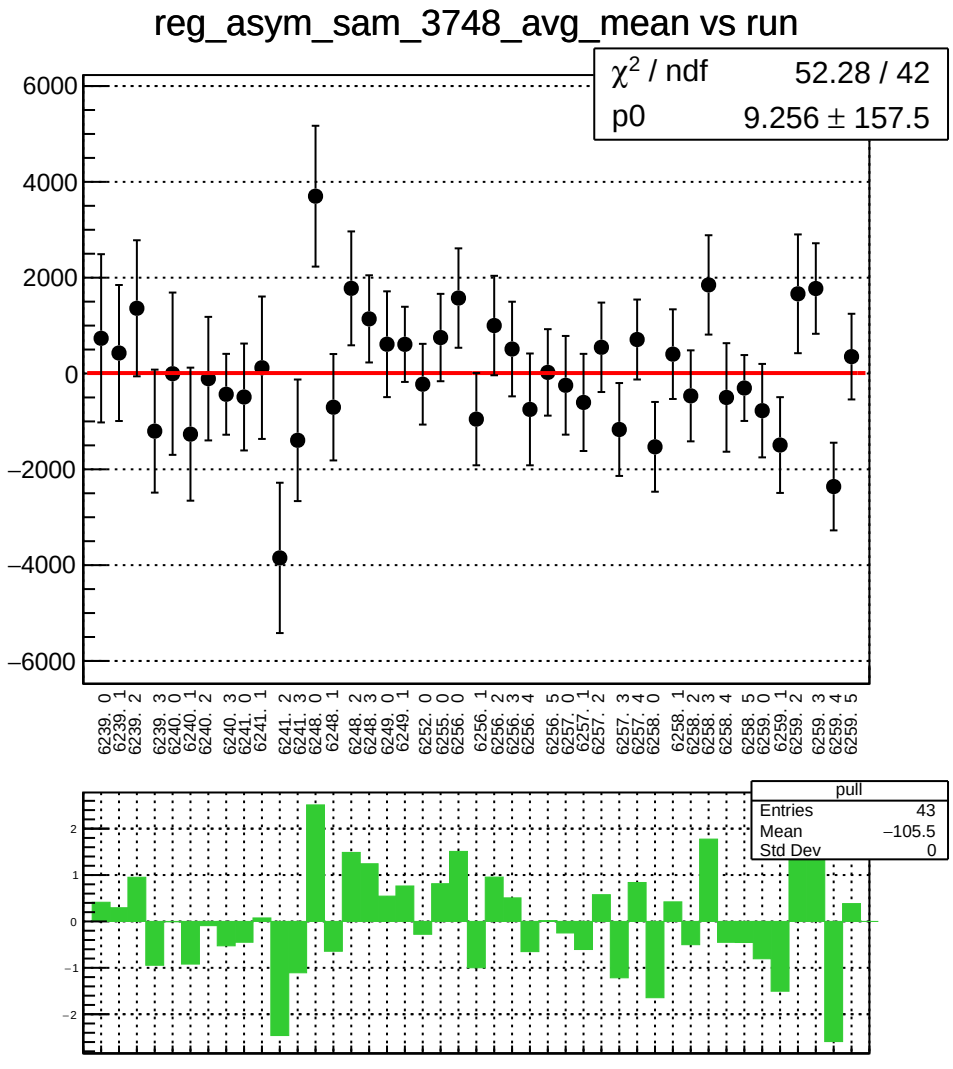

pull1D
Entries 43
Mean −0.05104
Std Dev 0.8736

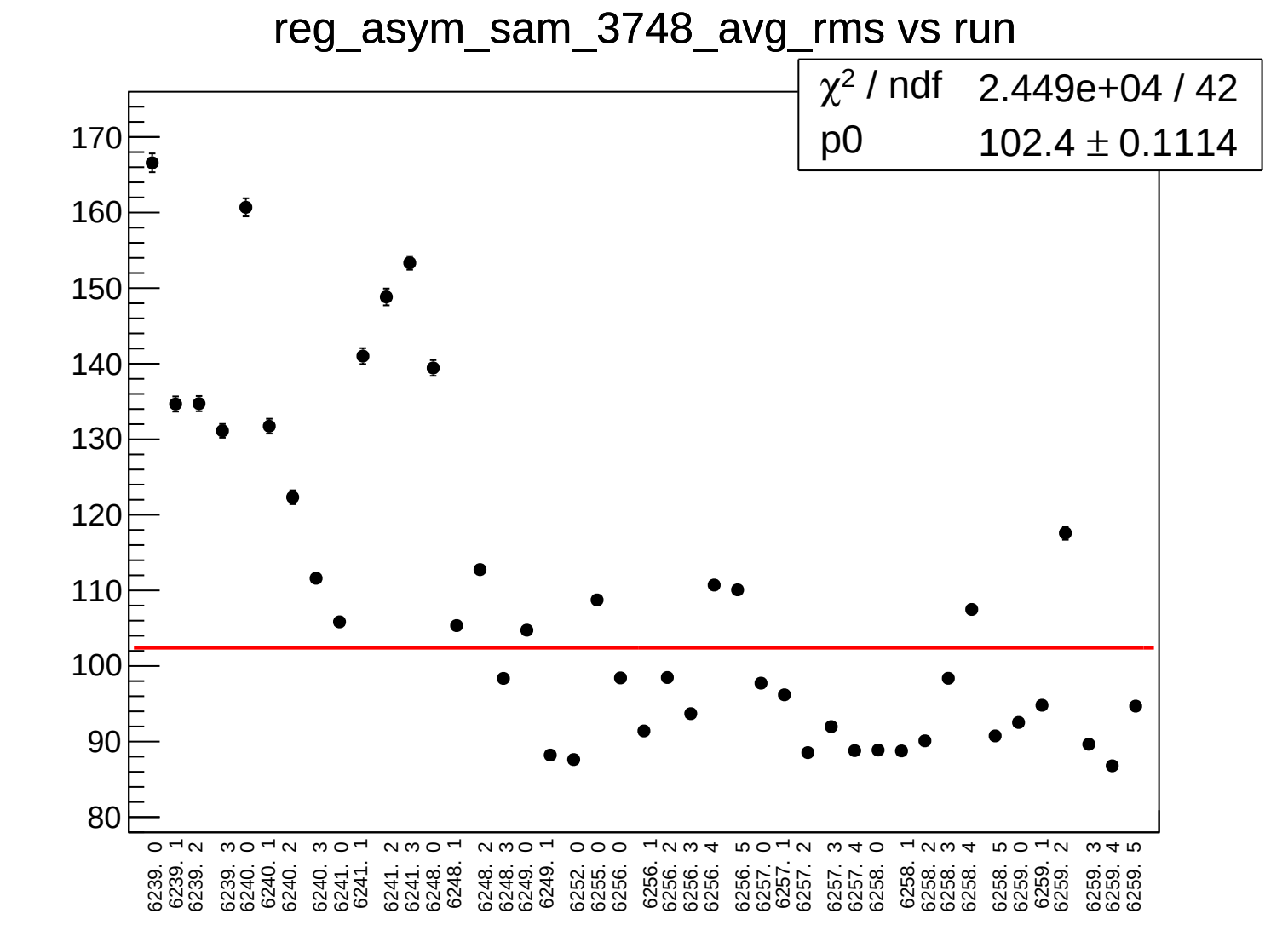

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.329e+05 / 42
p0 38.4 ± 0.04474
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

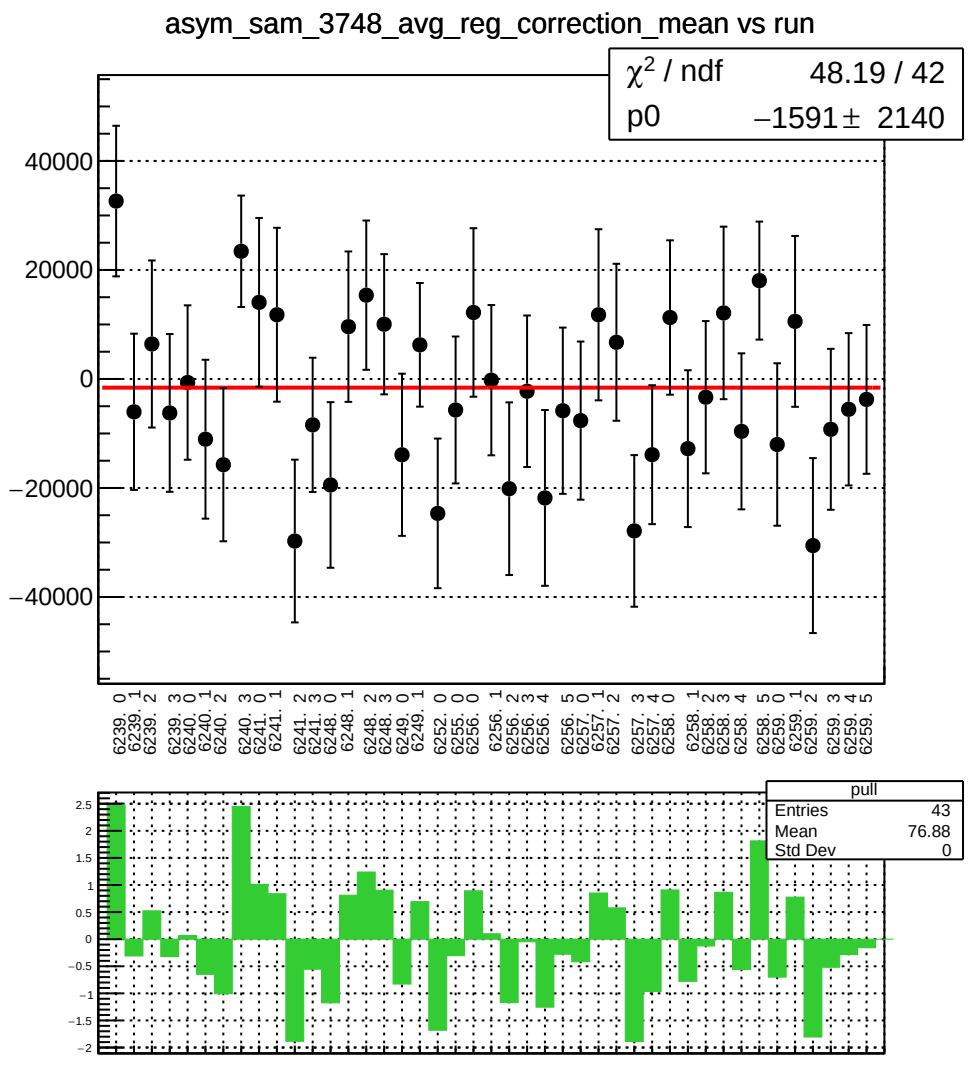

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.73 / 42
p0 −6.439e−15 ± 6.328e−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 29.37
Std Dev 5.13

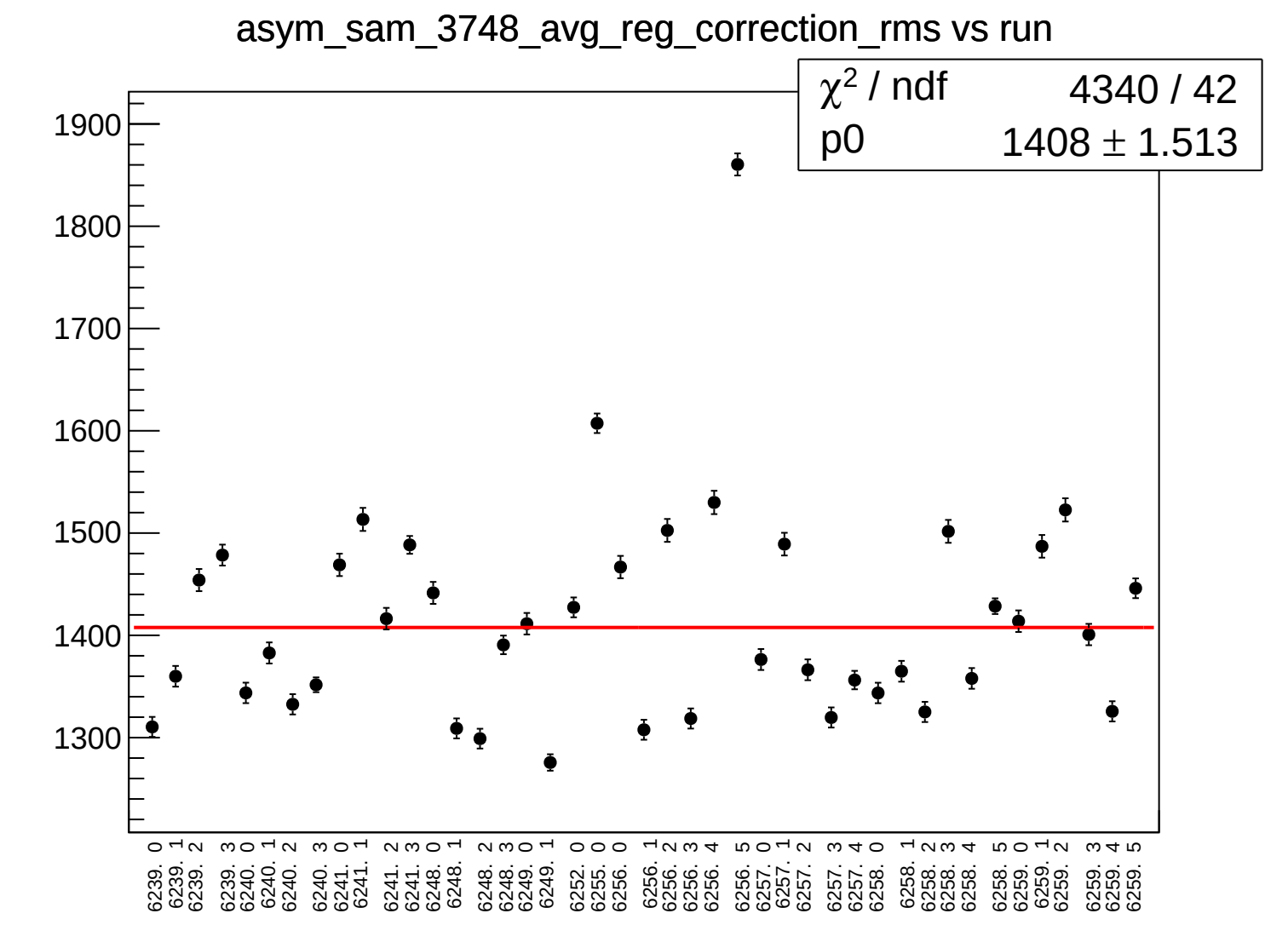

pull1D
Entries 43
Mean 0.2329
Std Dev 1.072

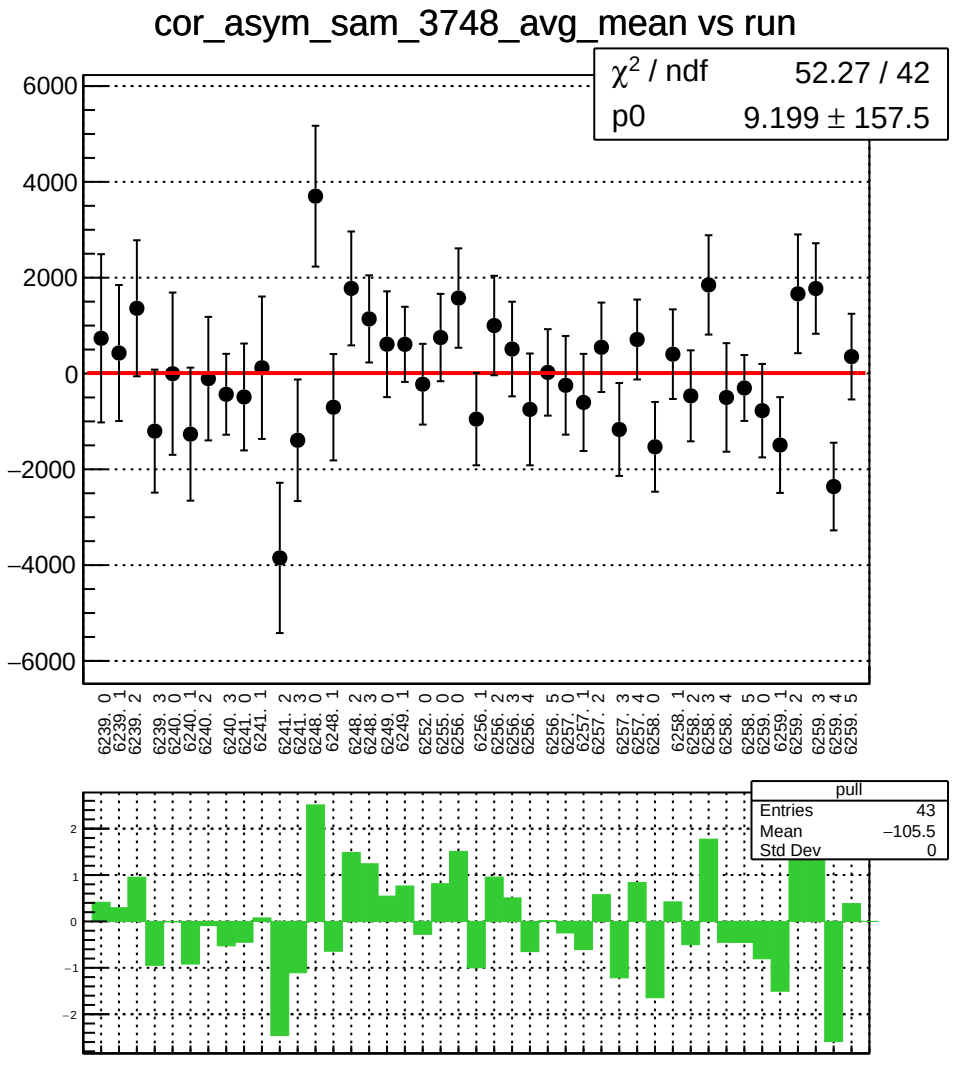

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.084e+05 / 42
p0 3.638e−11 ± 4.474e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

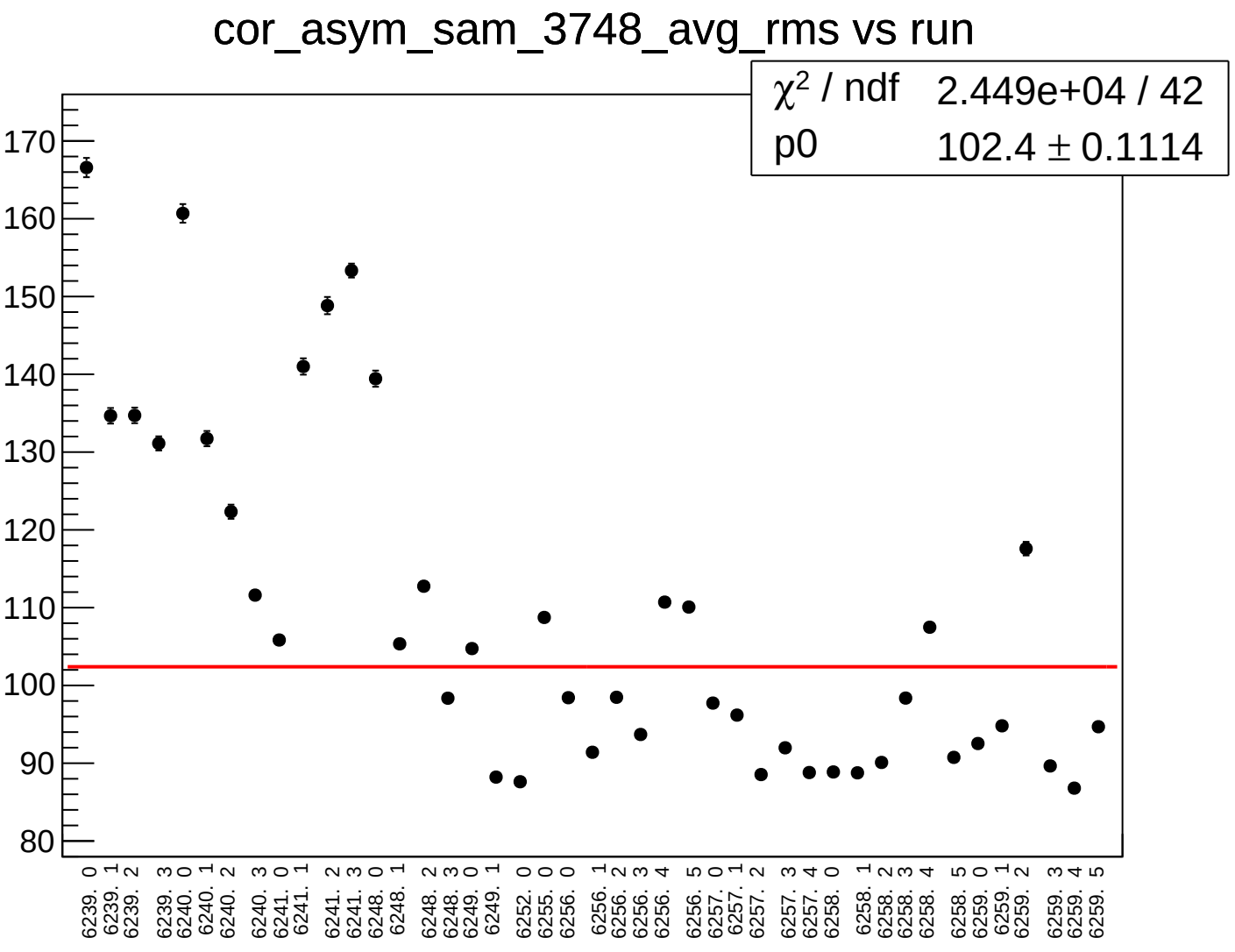

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 52.28 / 42
p0 9.256 ± 157.5
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −105.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004748
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

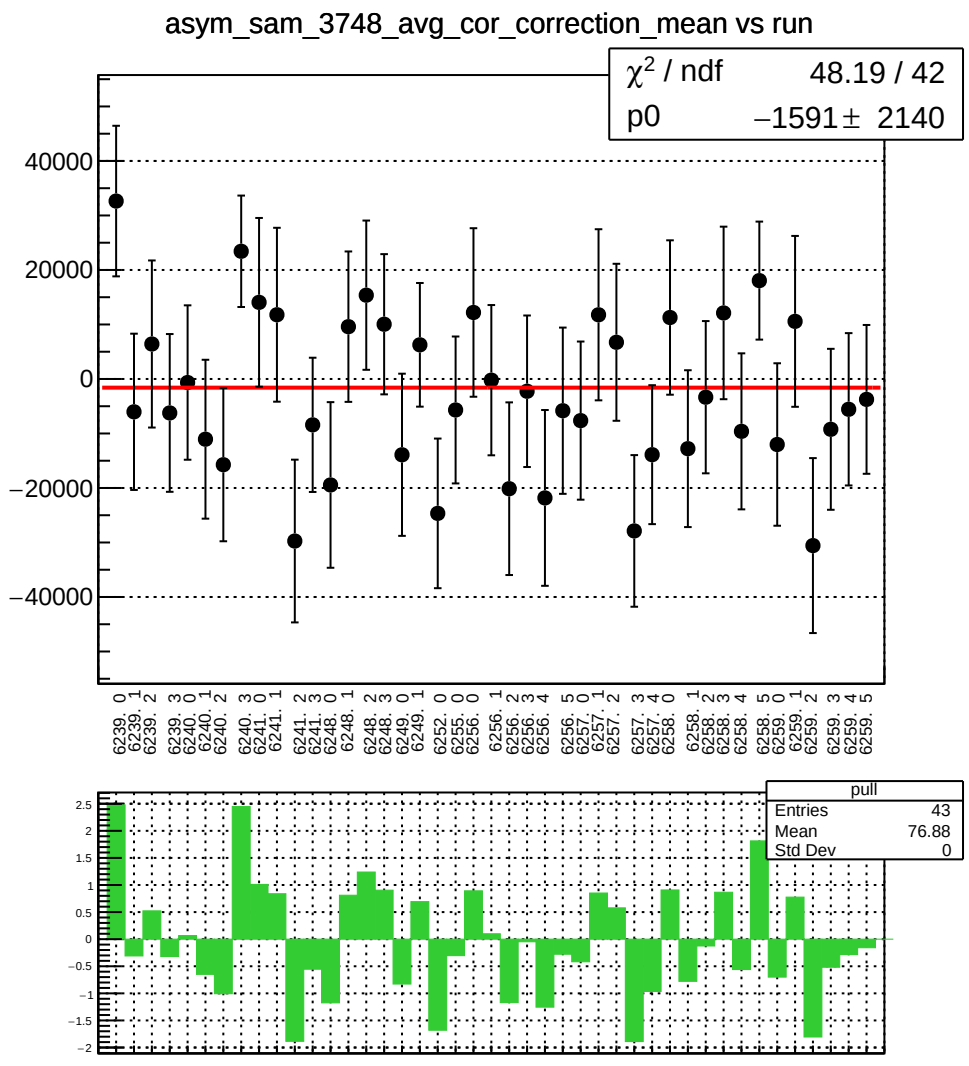

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 2.449e+04 / 42
p0 102.4 ± 0.1114
170
160
150
140
130
120
110
100
90
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

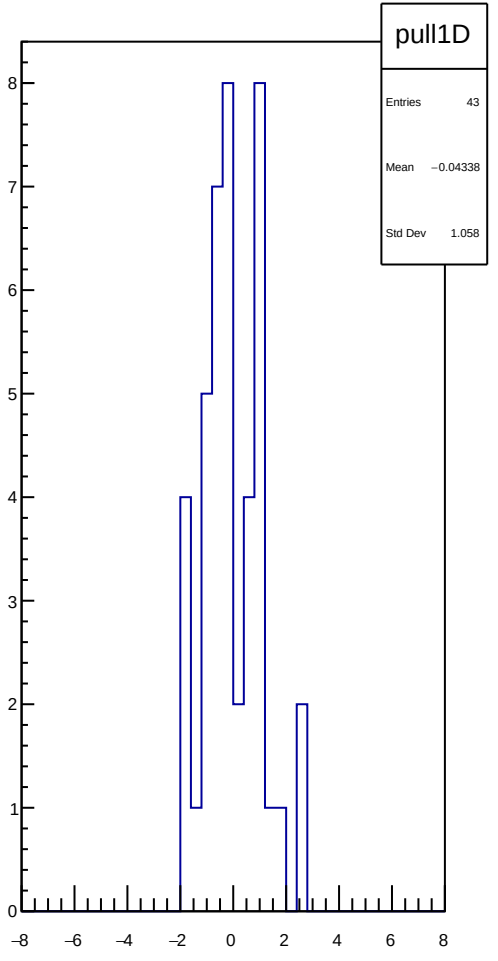

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 48.19 / 42
p0 −1591 ± 2140
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.88
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04337
Std Dev 1.058
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

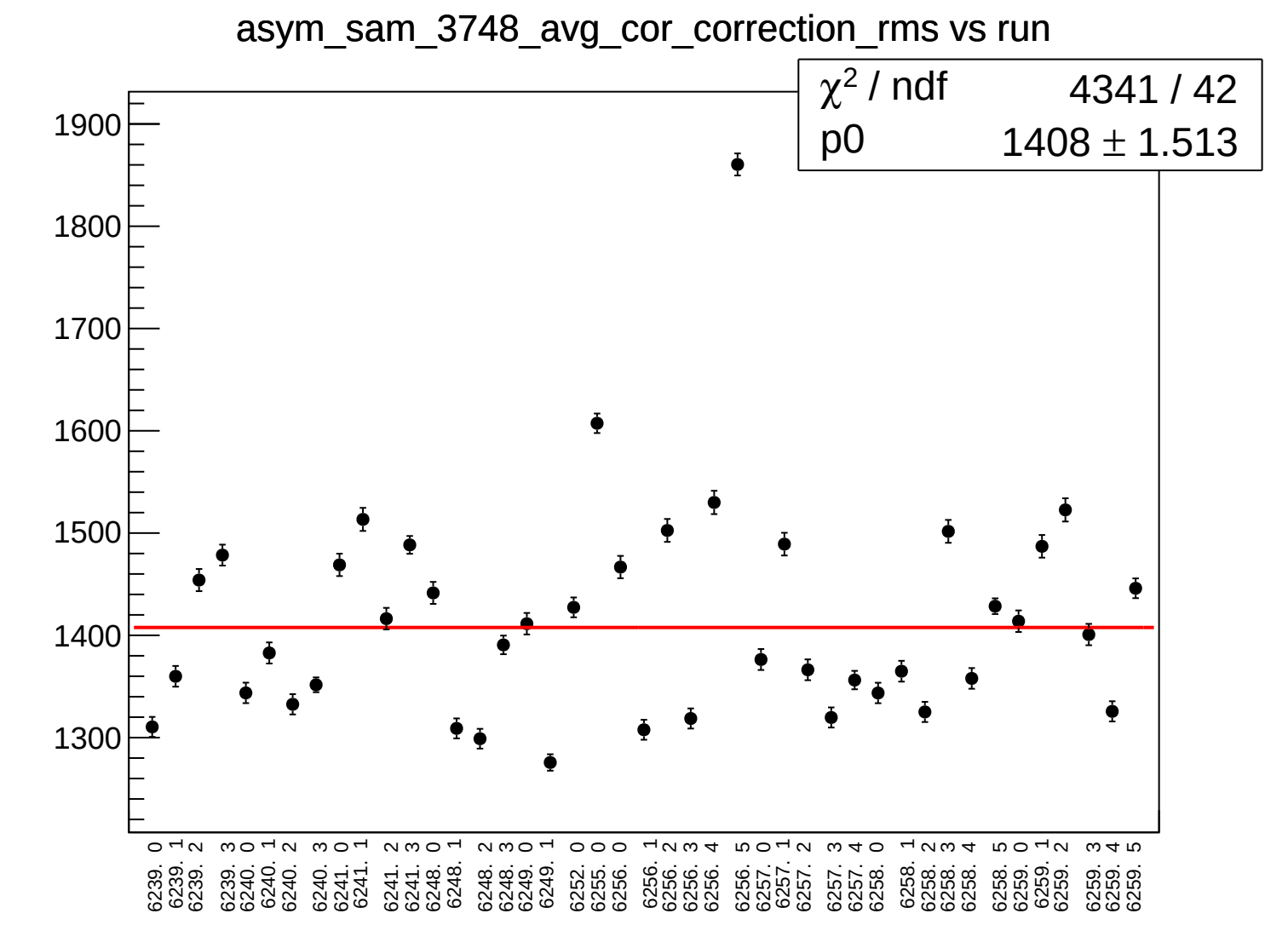

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 4340 / 42
p0 1408 ± 1.513
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

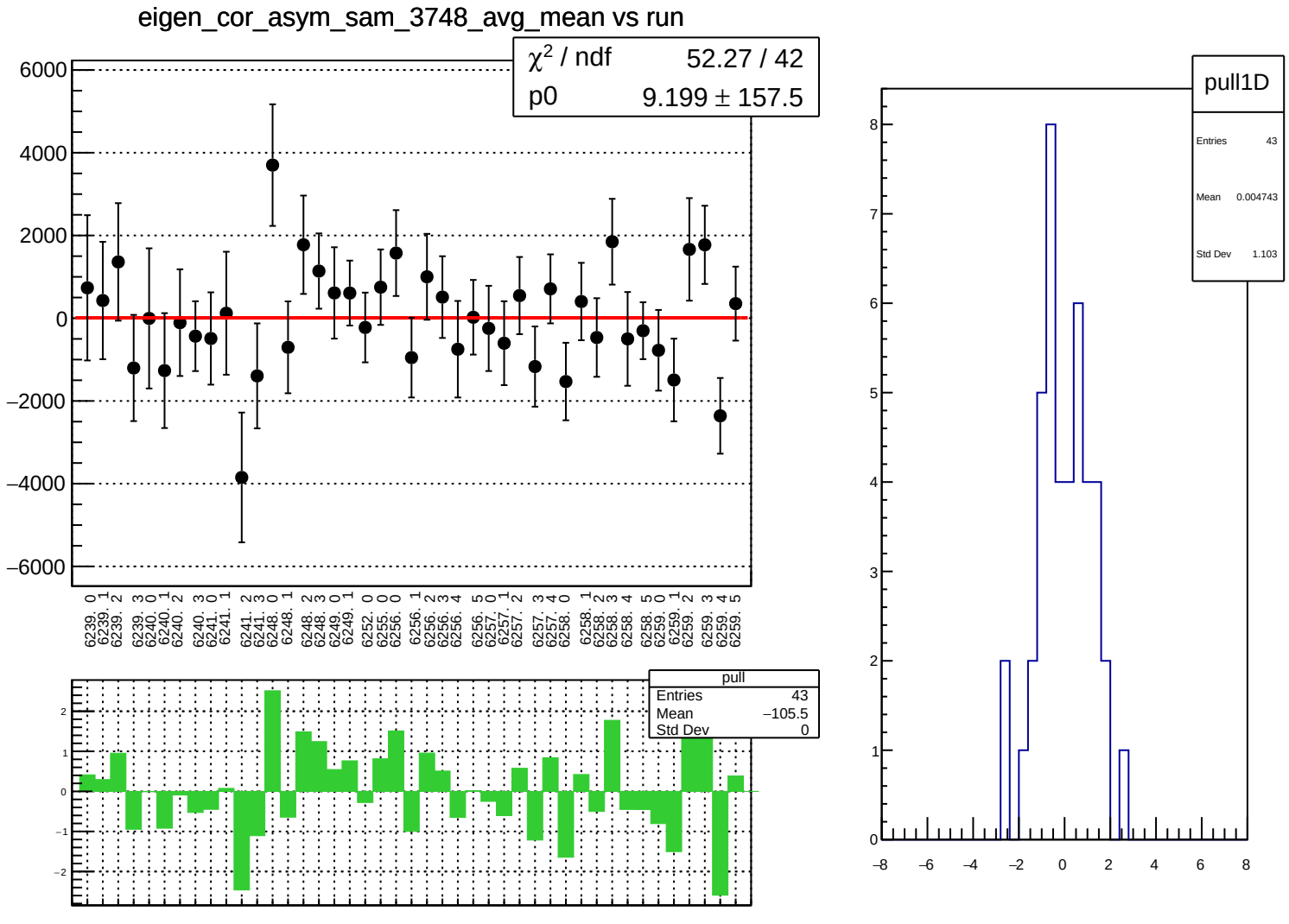

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 52.27 / 42
p0 9.199 ± 157.5
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −105.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004743
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

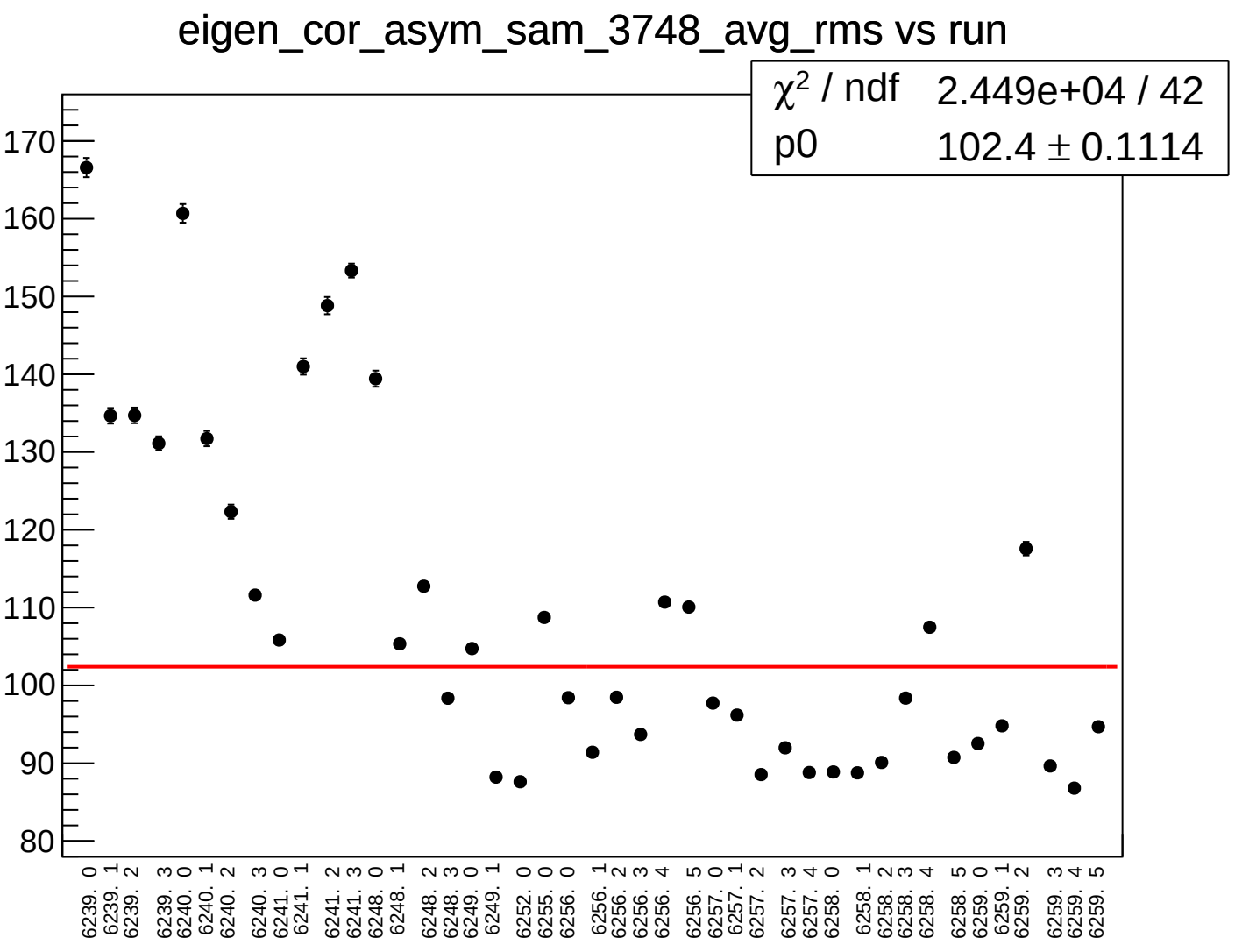

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 2.449e+04 / 42
p0 102.4 ± 0.1114
170
160
150
140
130
120
110
100
90
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

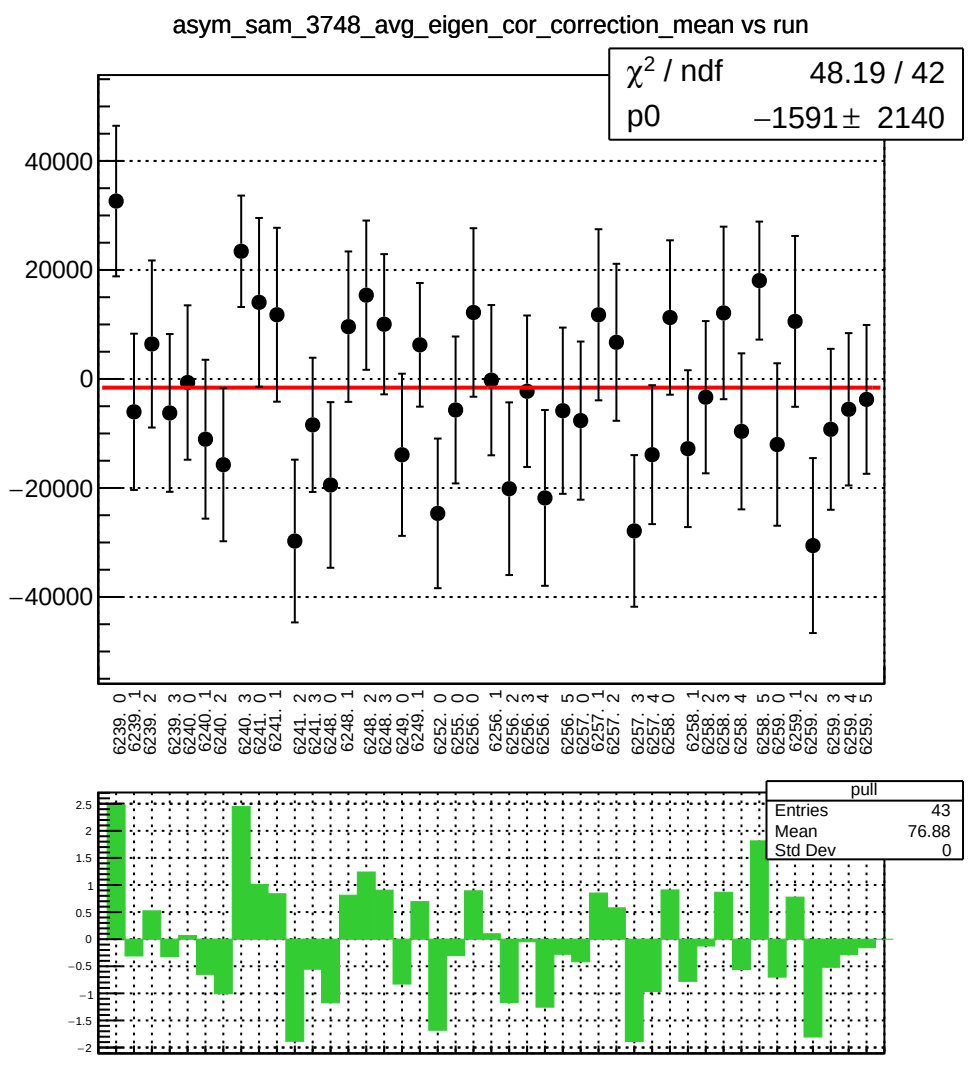

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 48.19 / 42
p0 −1591 ± 2140
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.88
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

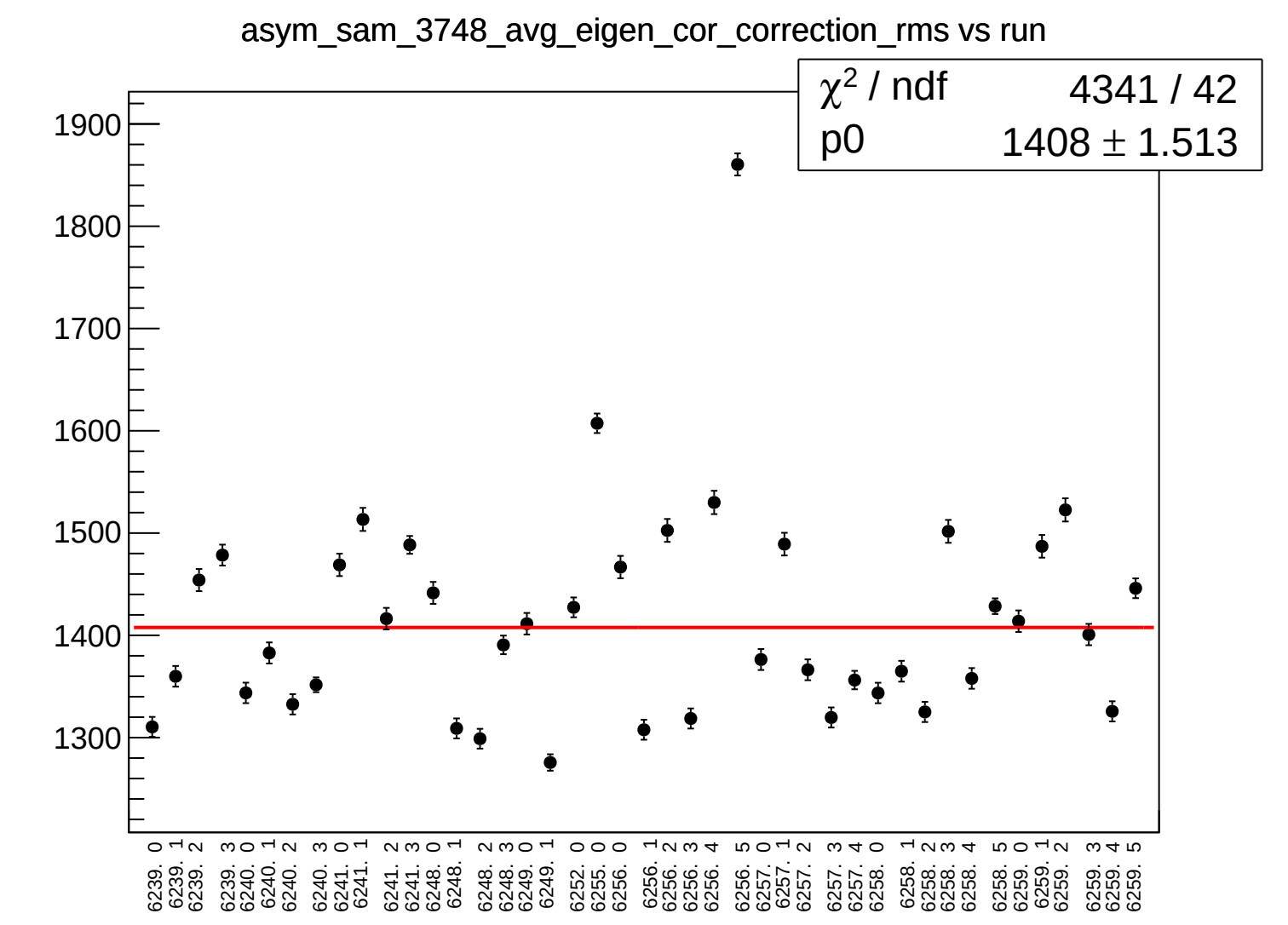

pull1D
Entries 43
Mean −0.04338
Std Dev 1.058
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

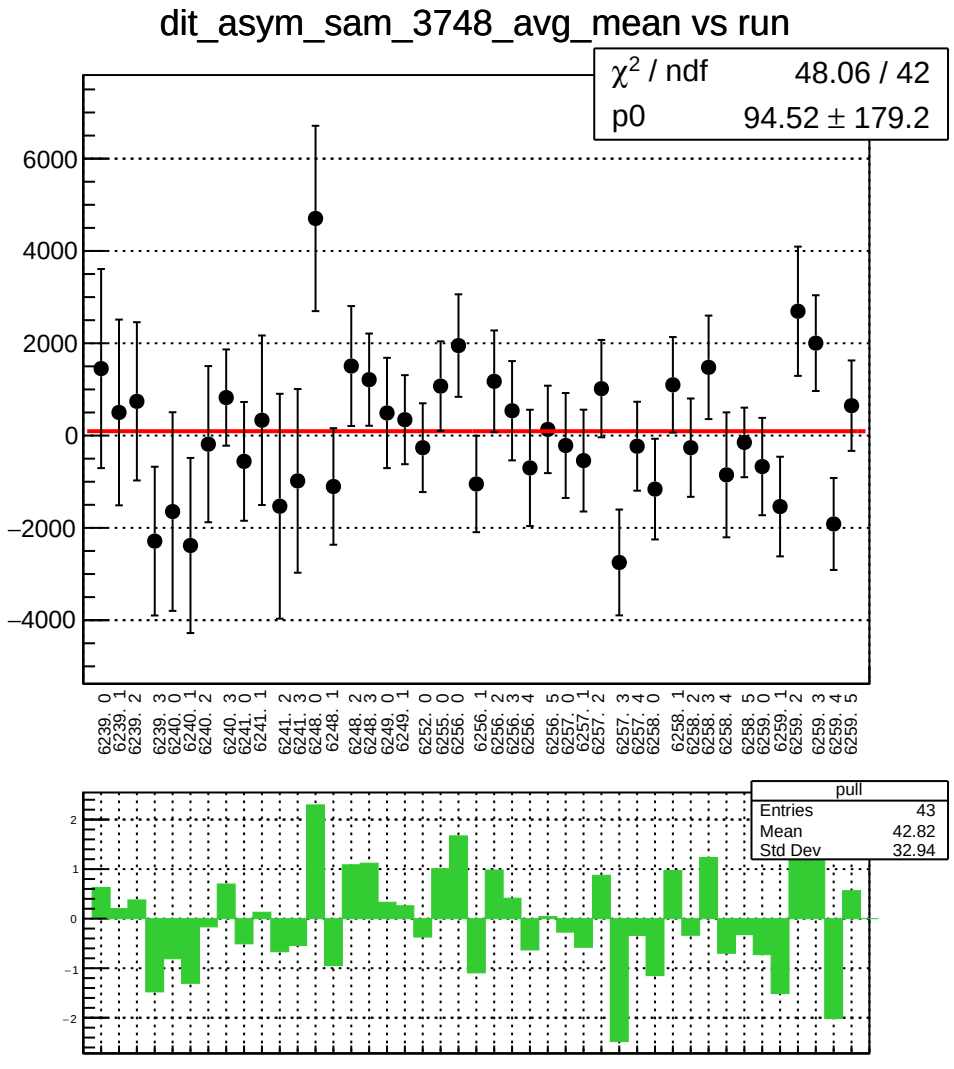

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 4341 / 42
p0 1408 ± 1.513
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

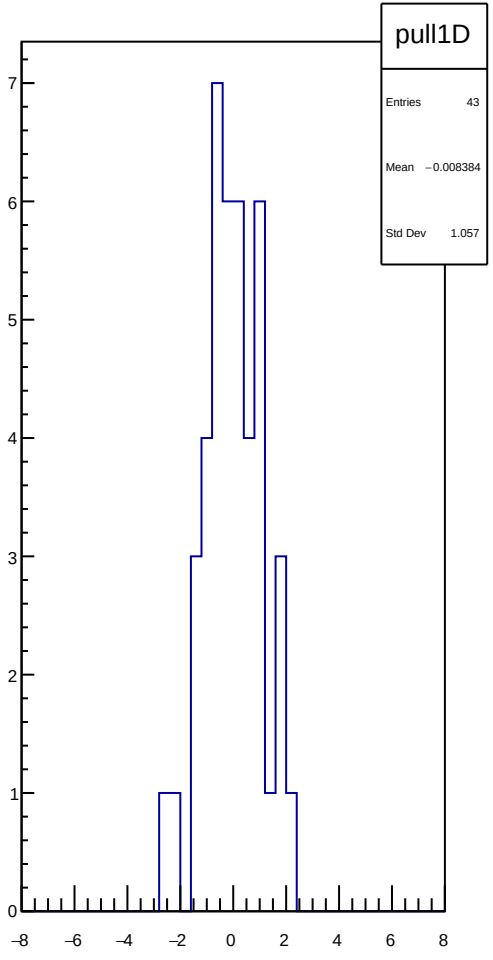

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 52.27 / 42
p0 9.199 ± 157.5
6000
4000
2000
0
−2000
−4000
−6000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −105.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004743
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

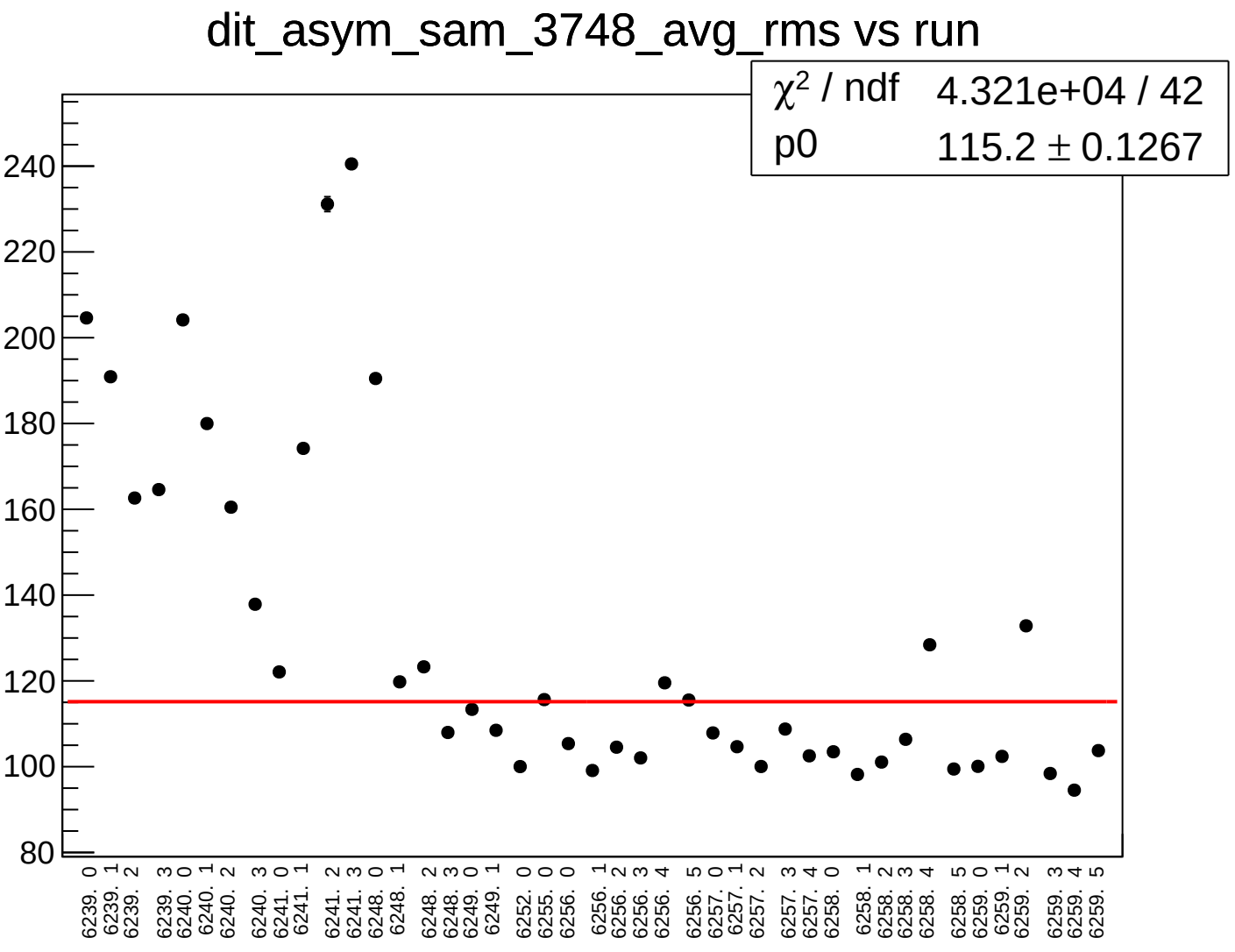

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 2.449e+04 / 42
p0 102.4 ± 0.1114
170
160
150
140
130
120
110
100
90
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

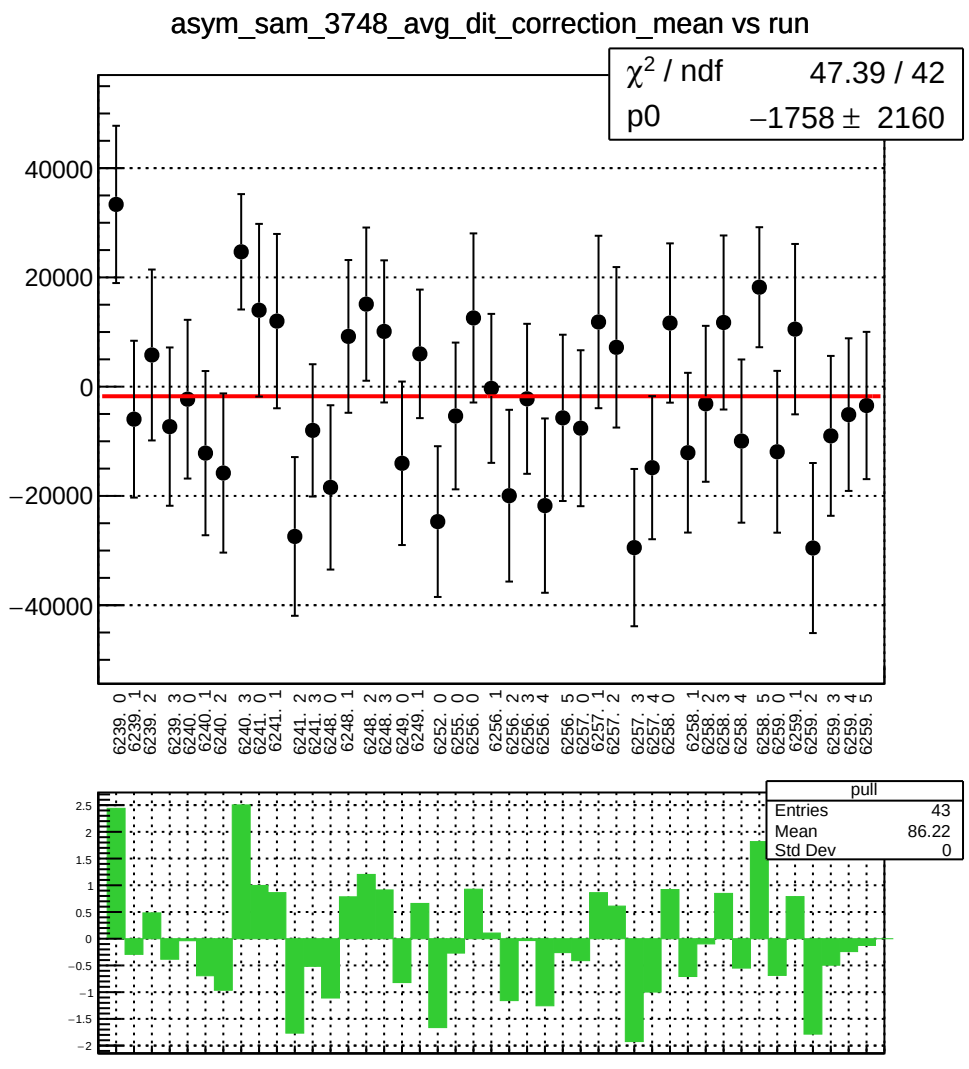

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.19 / 42
p0 −1591 ± 2140
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.88
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04338
Std Dev 1.058
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

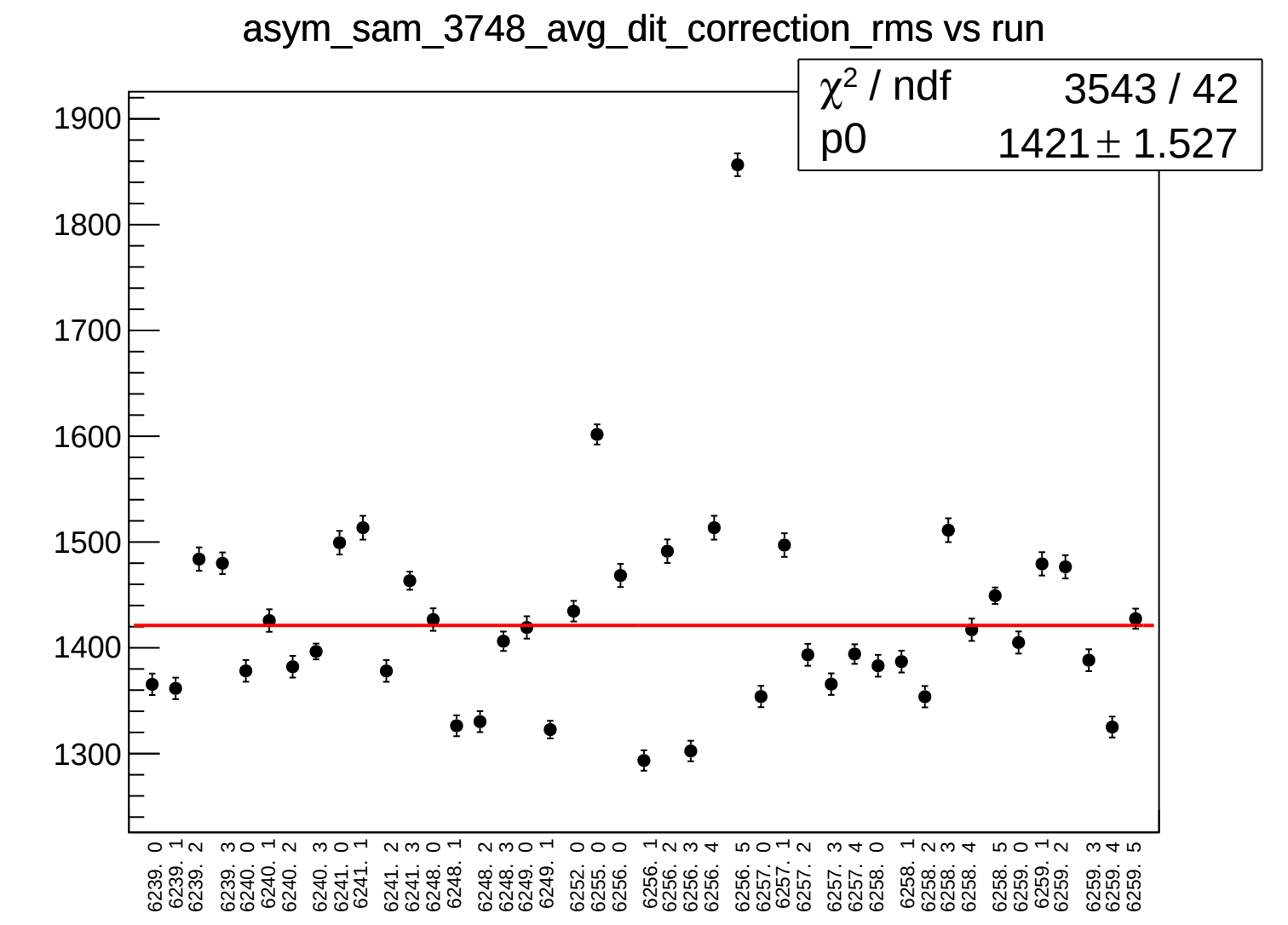

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 4341 / 42
p0 1408 ± 1.513
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

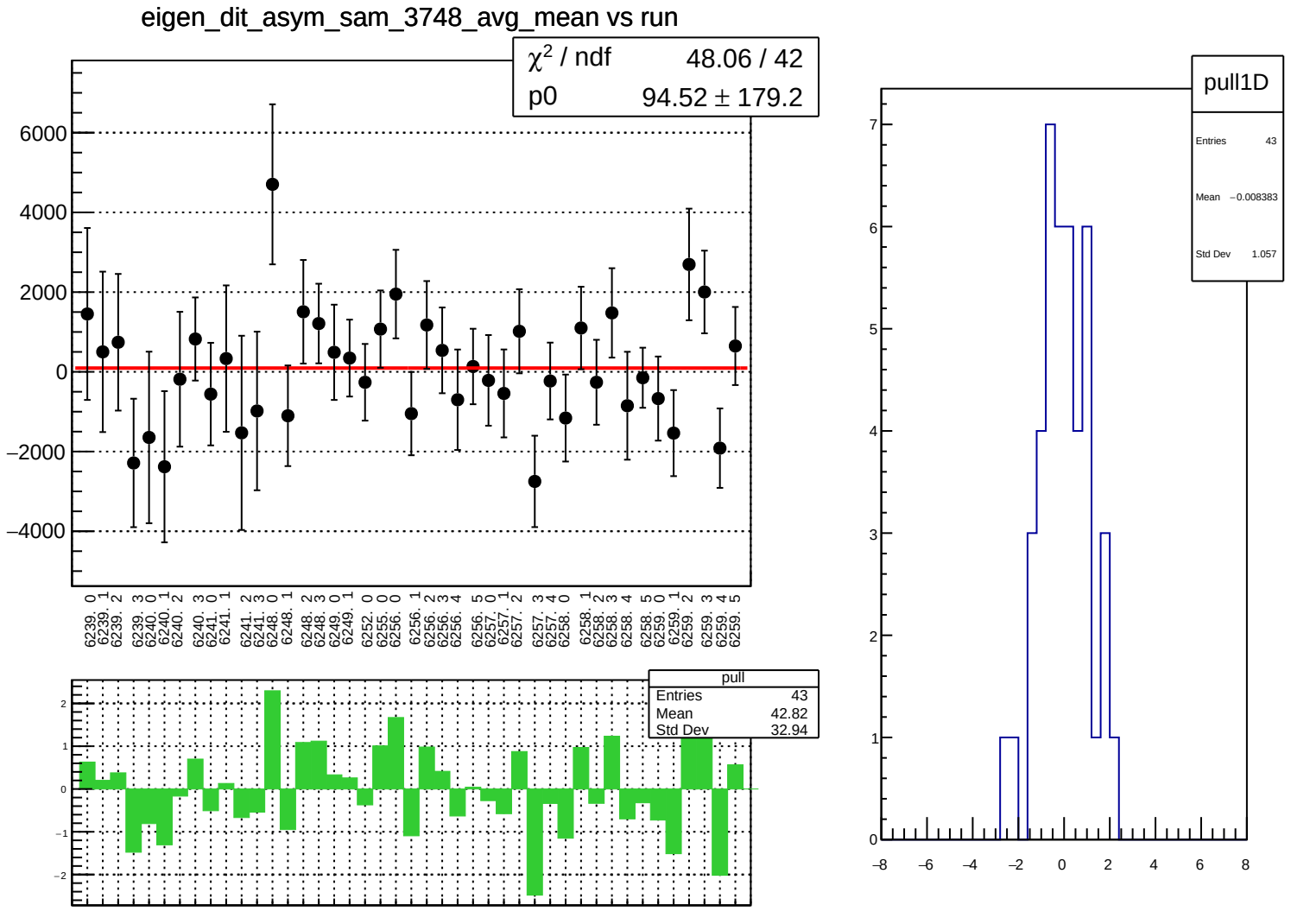

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 48.06 / 42
p0 94.52 ± 179.2
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.82
Std Dev 32.94
2
1
0
−1
−2

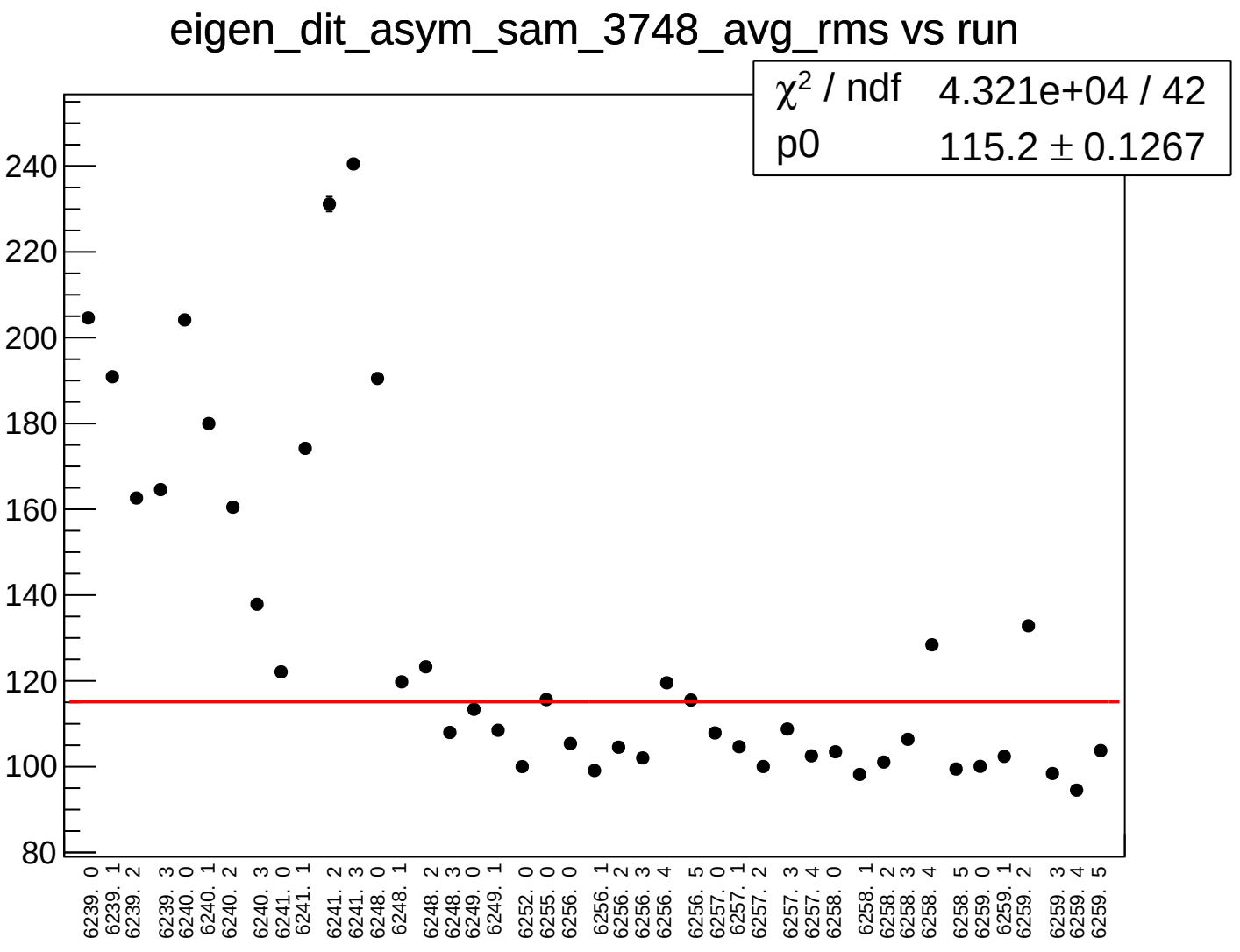

pull1D
Entries 43
Mean −0.008384
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

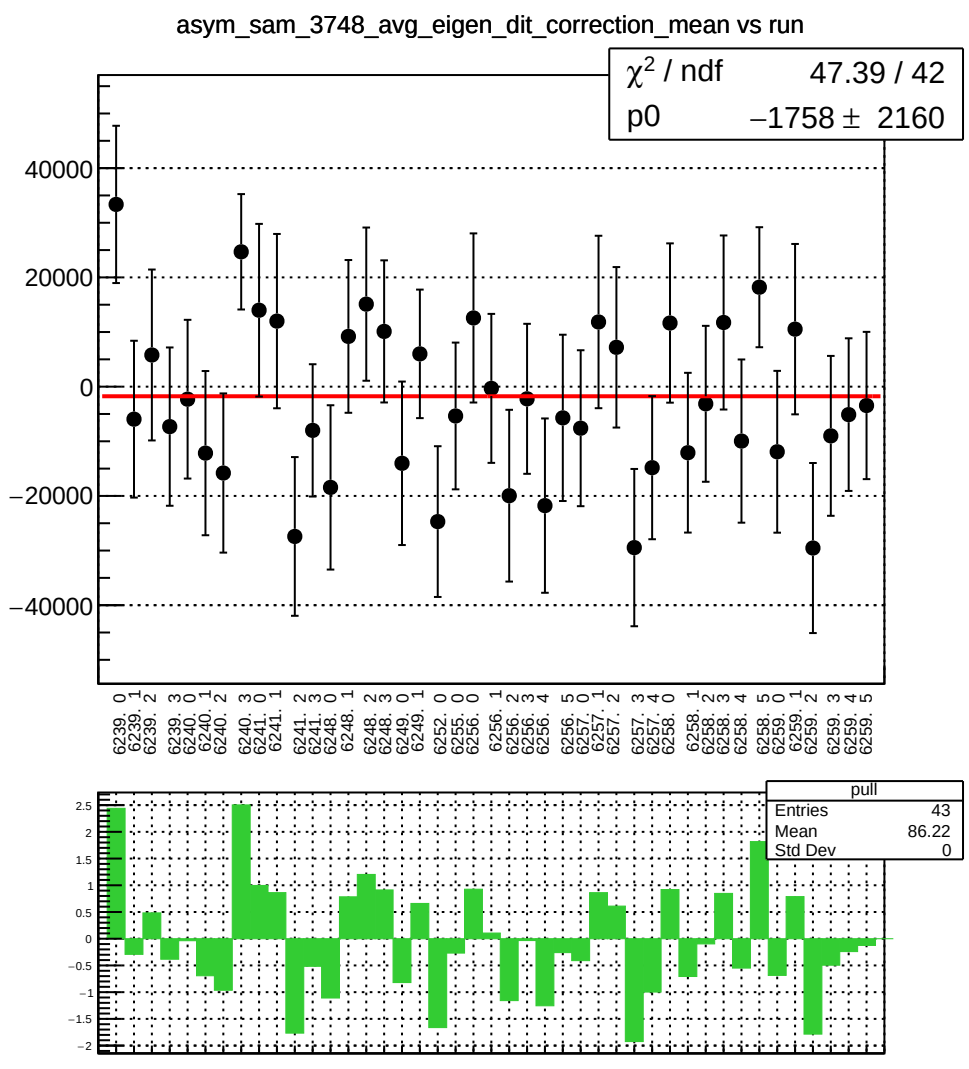

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.321e+04 / 42
p0 115.2 ± 0.1267
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

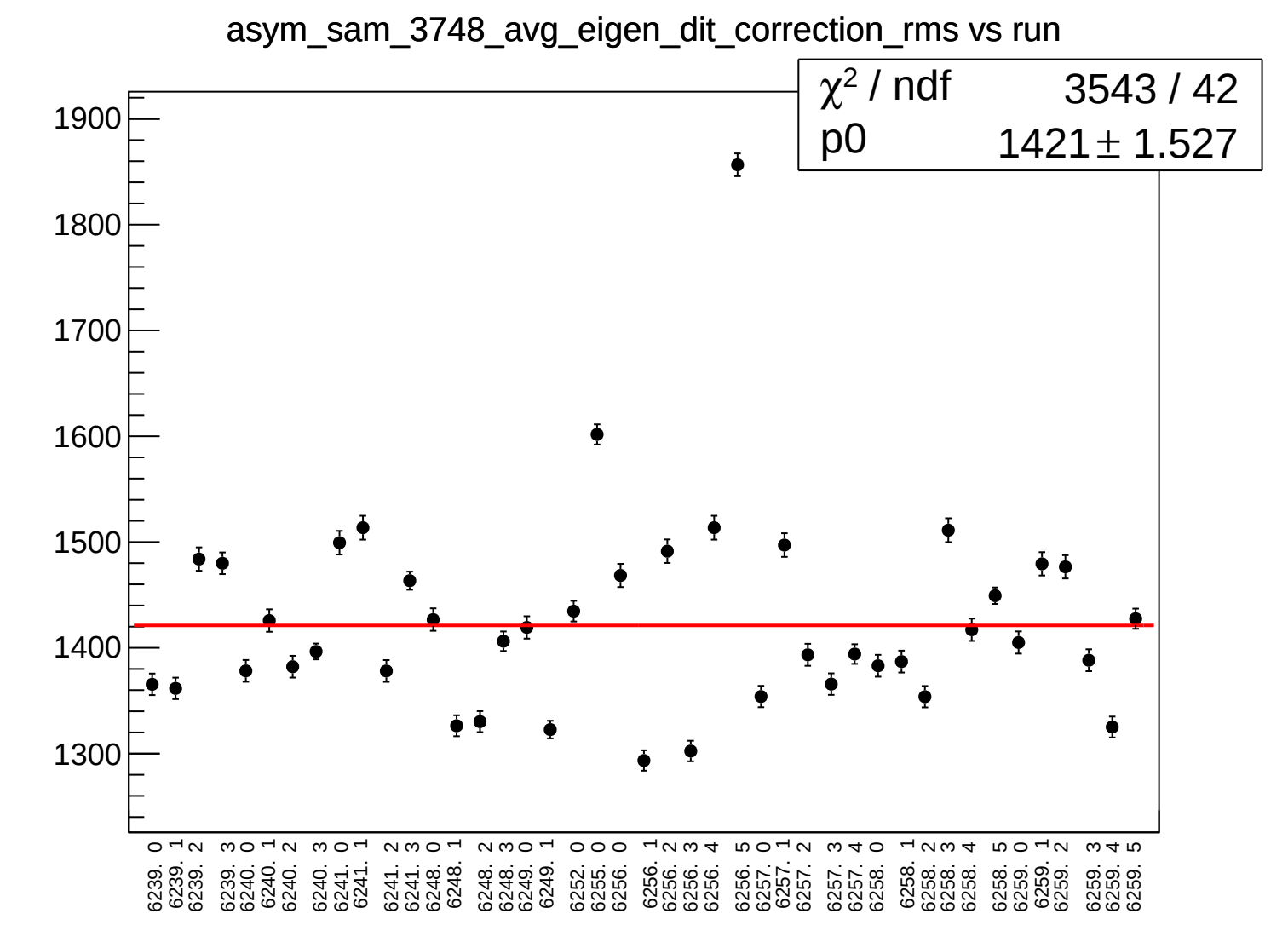

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 47.39 / 42
p0 −1758 ± 2160
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.22
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.03525
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

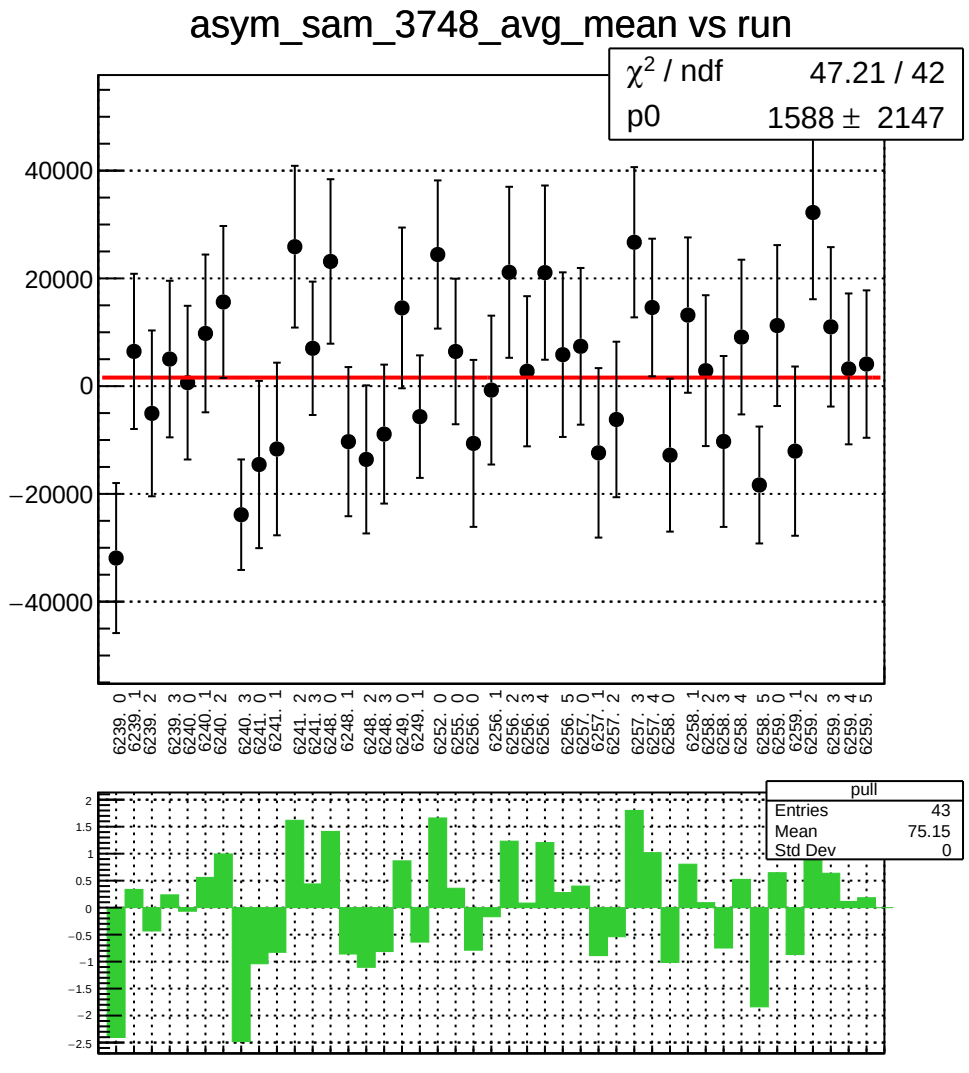

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 3543 / 42
p0 1421 ± 1.527
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

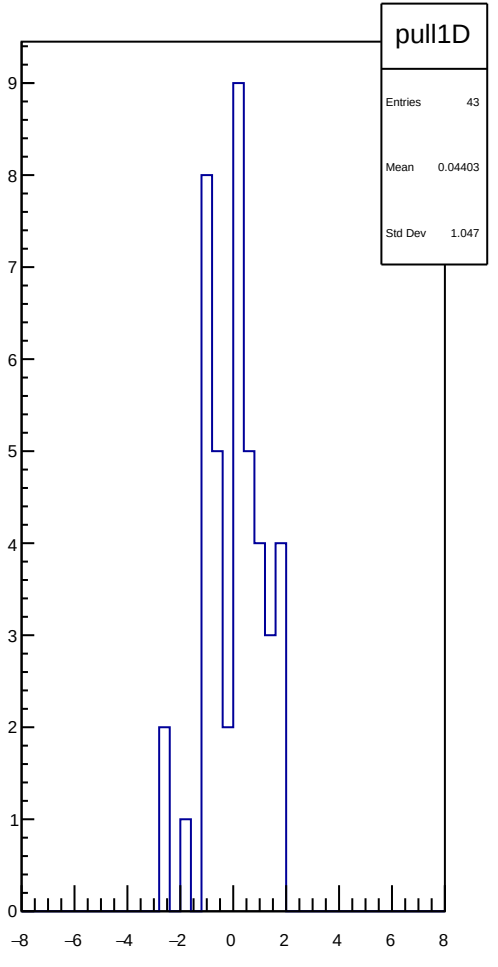

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 48.06 / 42
p0 94.52 ± 179.2
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.82
Std Dev 32.94
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.008383
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

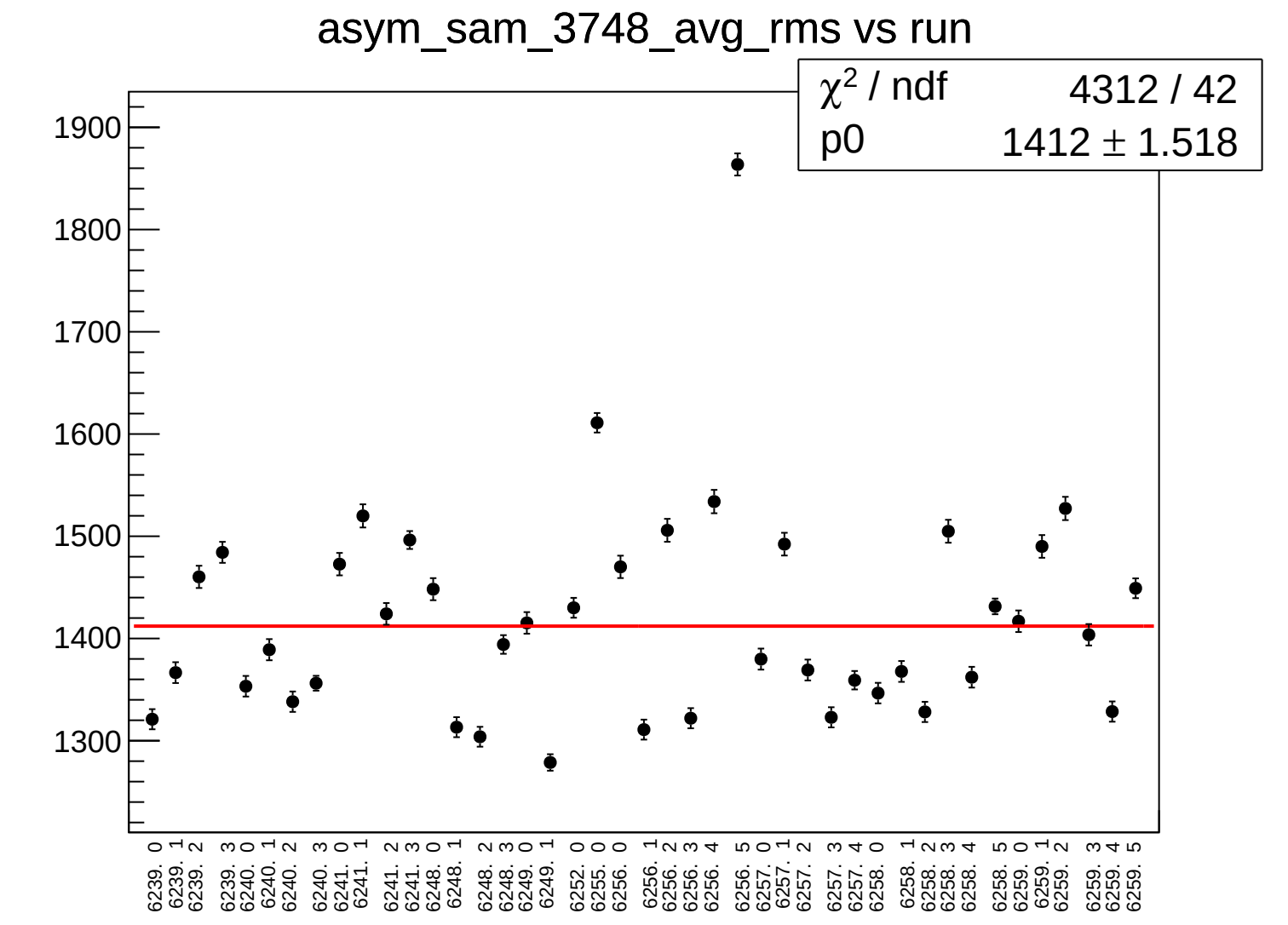

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.321e+04 / 42
p0 115.2 ± 0.1267
240
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

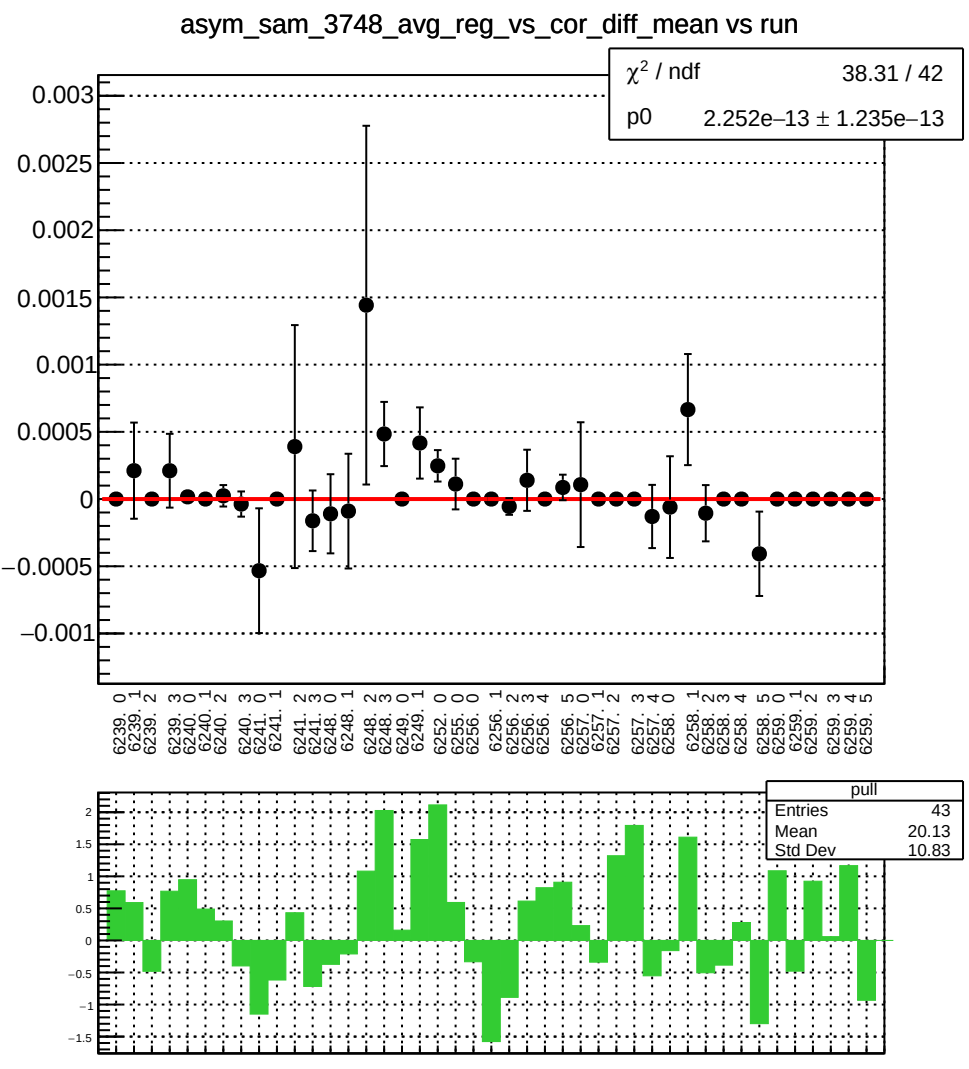

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.39 / 42
p0 −1758 ± 2160
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 86.22
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.03525
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

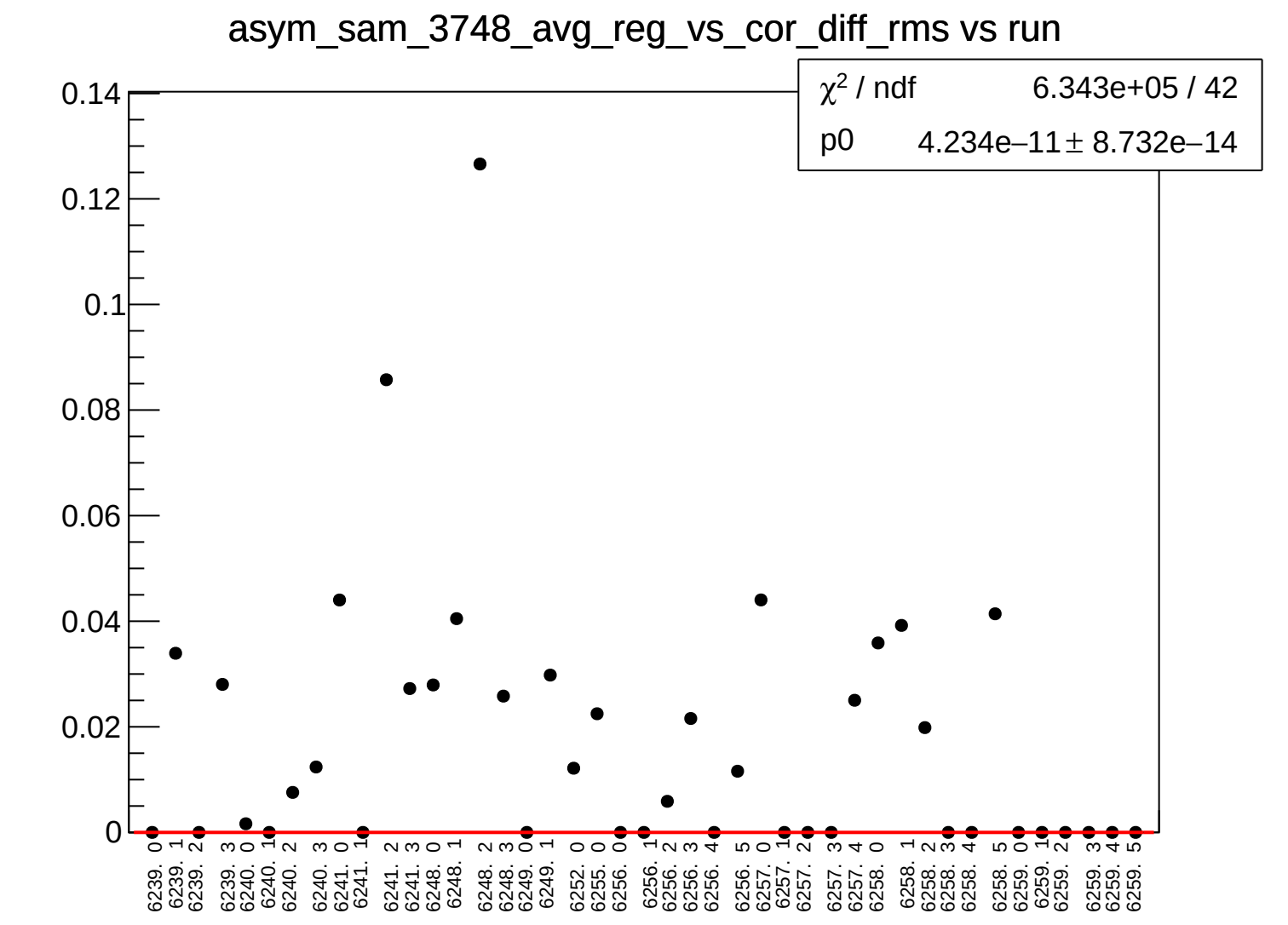

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 3543 / 42
p0 1421 ± 1.527
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

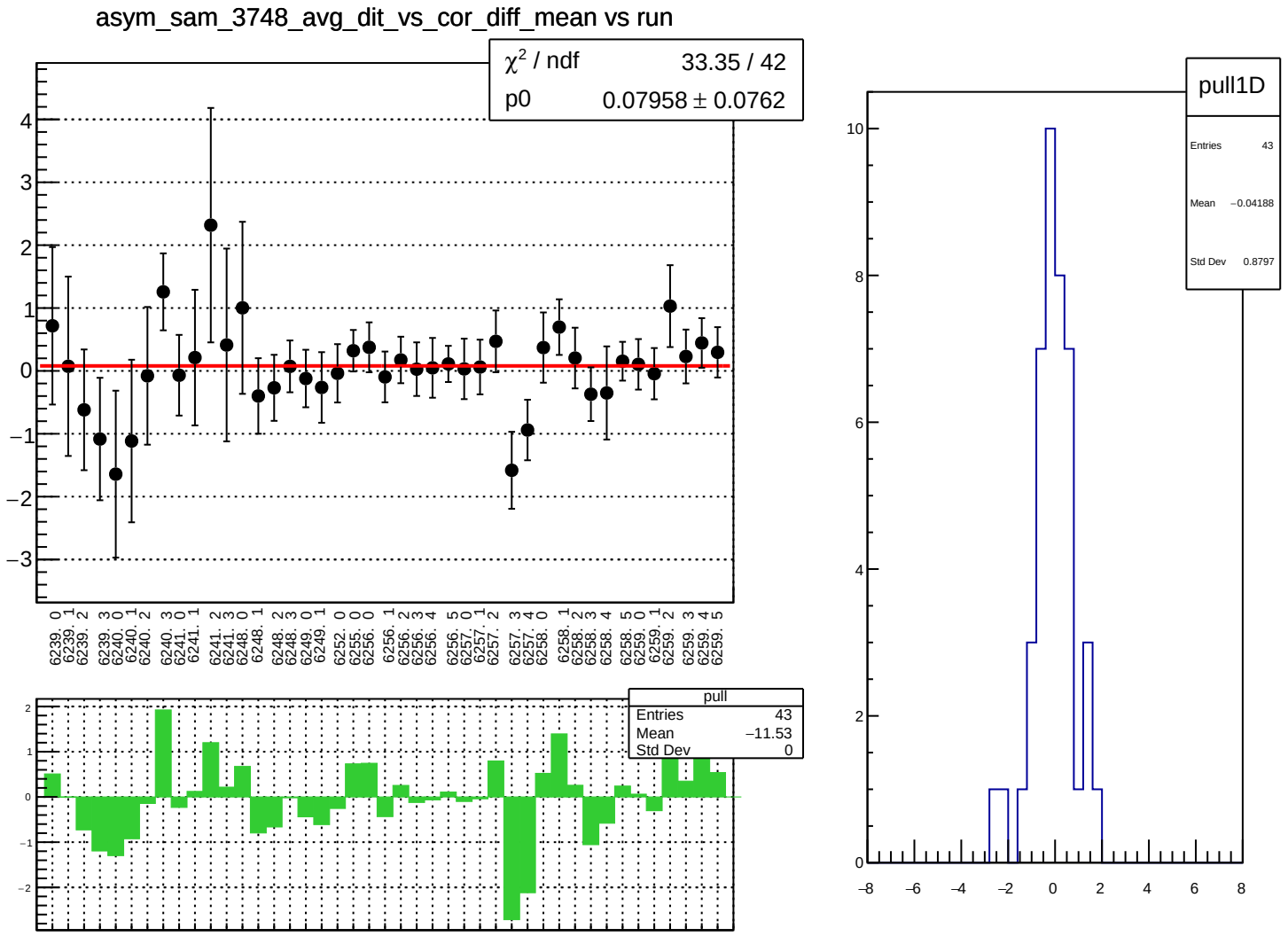

asym_sam_3748_avg_mean vs run
χ² / ndf 47.21 / 42
p0 1588 ± 2147
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

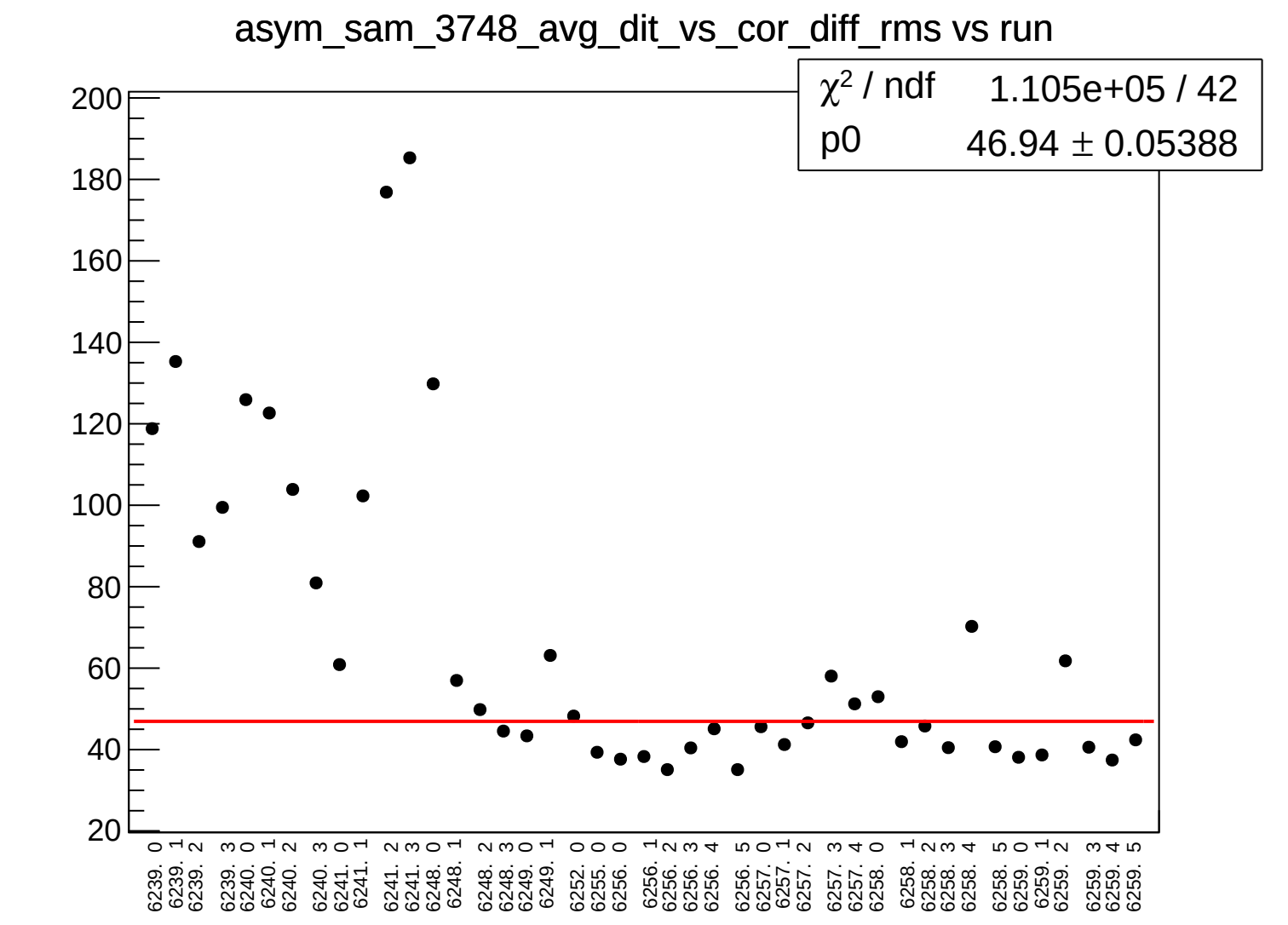

pull1D
Entries 43
Mean 0.04403
Std Dev 1.047
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

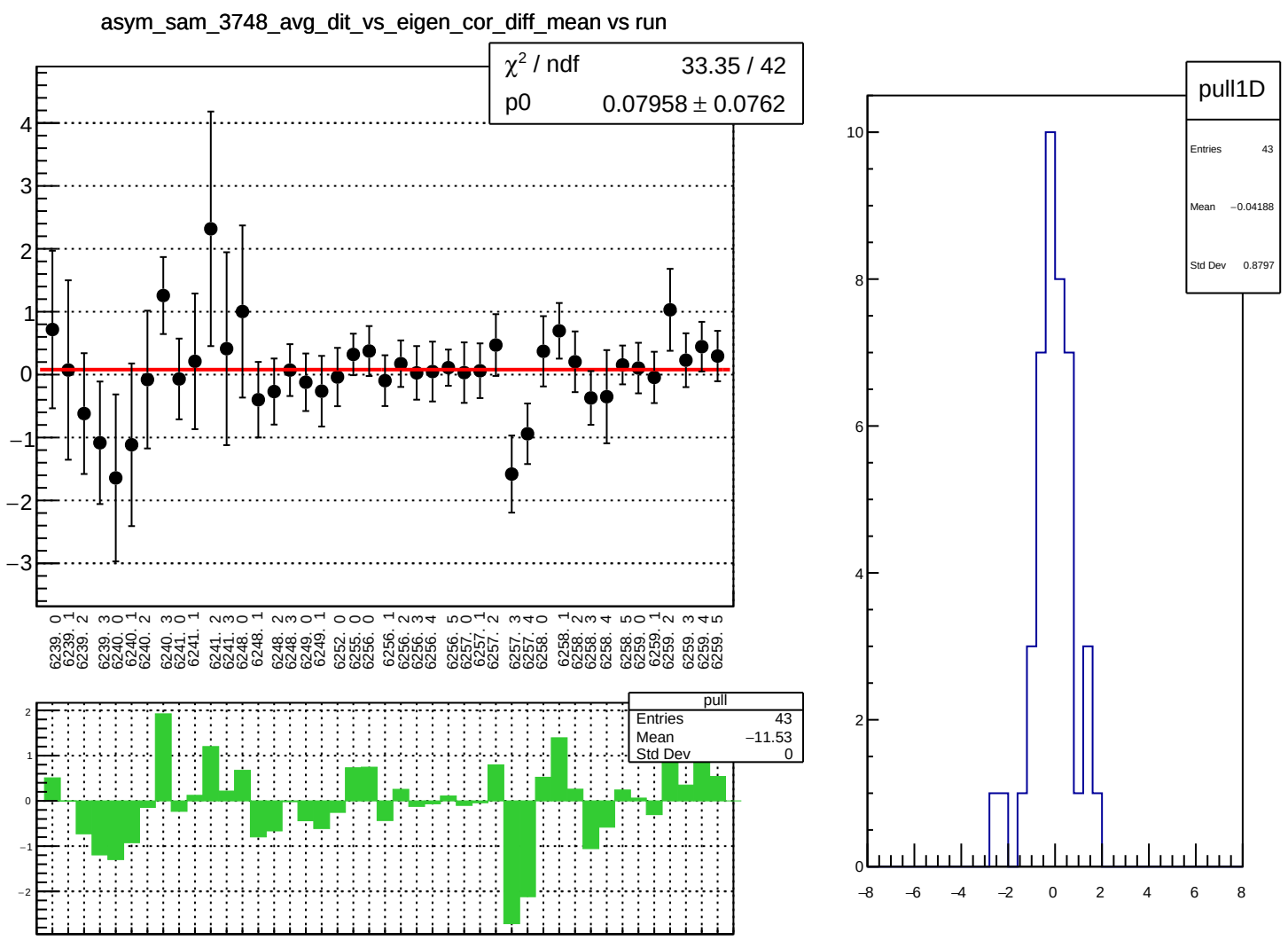

asym_sam_3748_avg_rms vs run
χ² / ndf 4312 / 42
p0 1412 ± 1.518
1900
1800
1700
1600
1500
1400
1300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

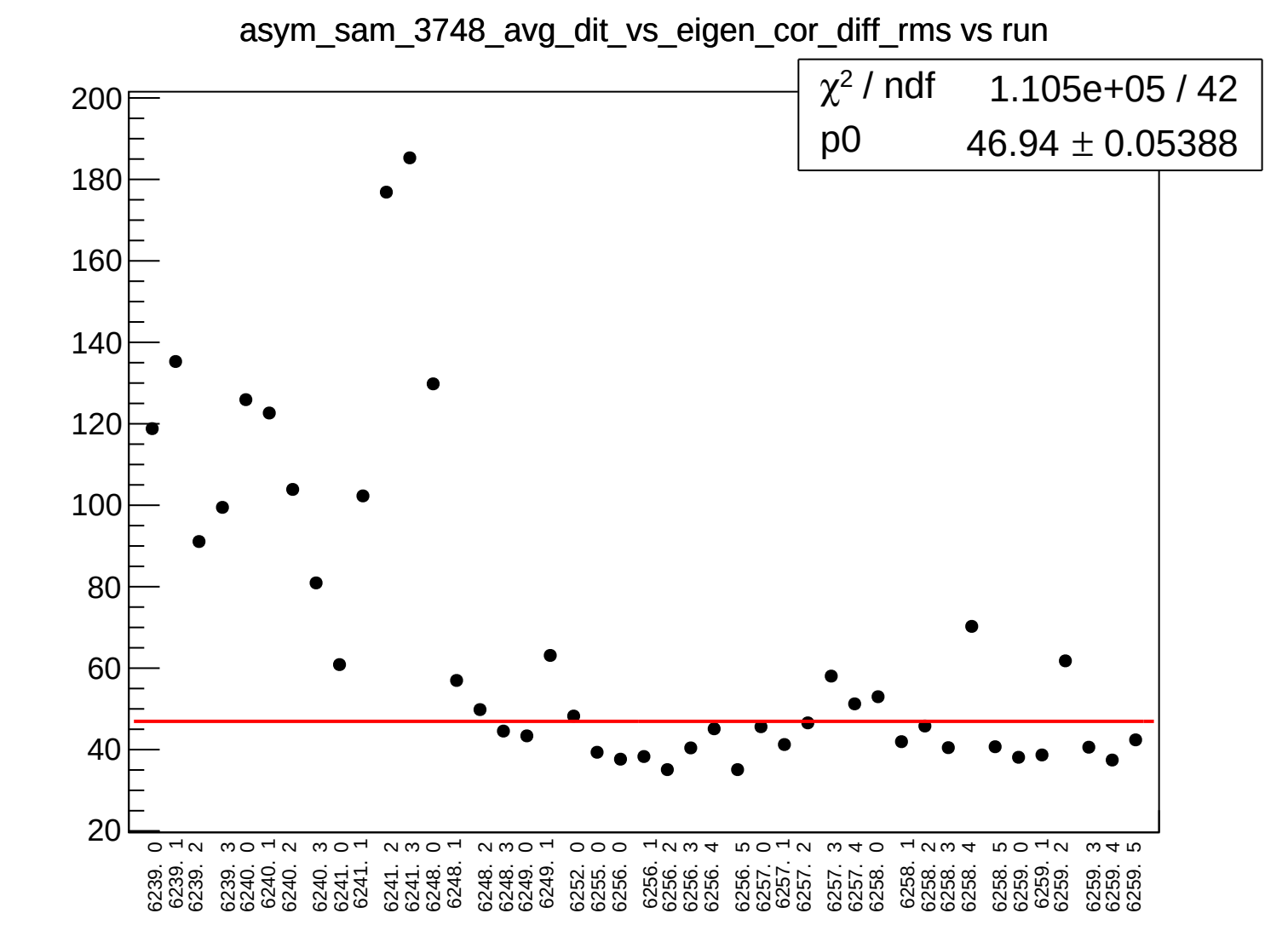

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.31 / 42
p0 2.252e−13 ± 1.235e−13
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 20.13
Std Dev 10.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.2623
Std Dev 0.9068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

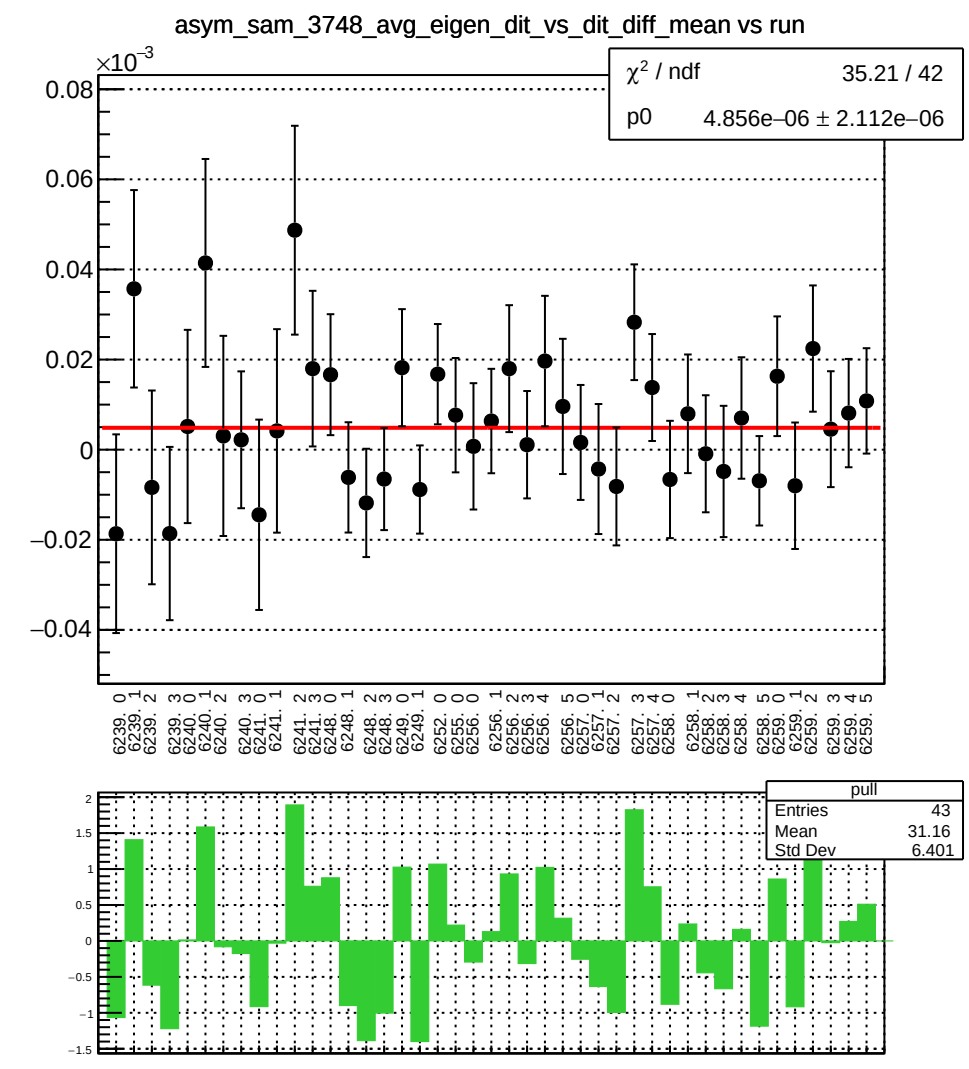

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.343e+05 / 42
p0 4.234e−11 ± 8.732e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

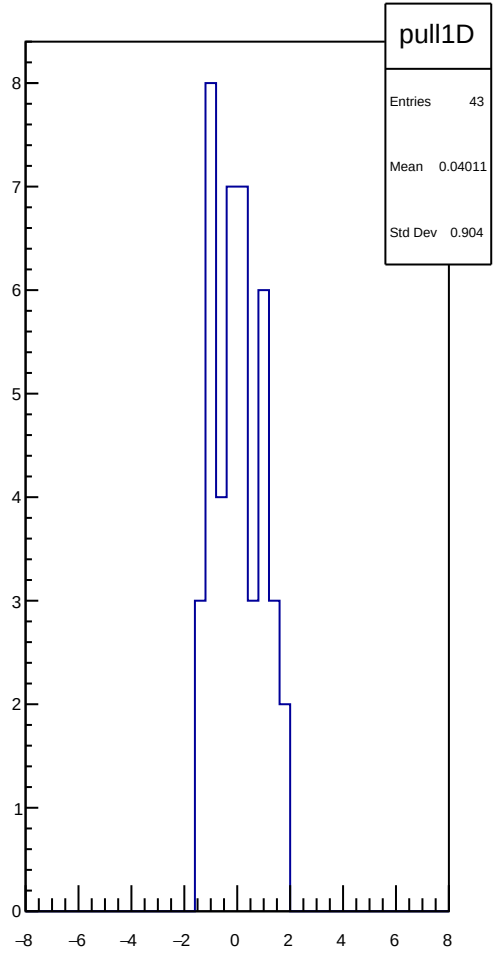

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.35 / 42
p0 0.07958 ± 0.0762
pull
Entries 43
Mean −11.53
Std Dev 0
pull1D
Entries 43
Mean −0.04188
Std Dev 0.8797

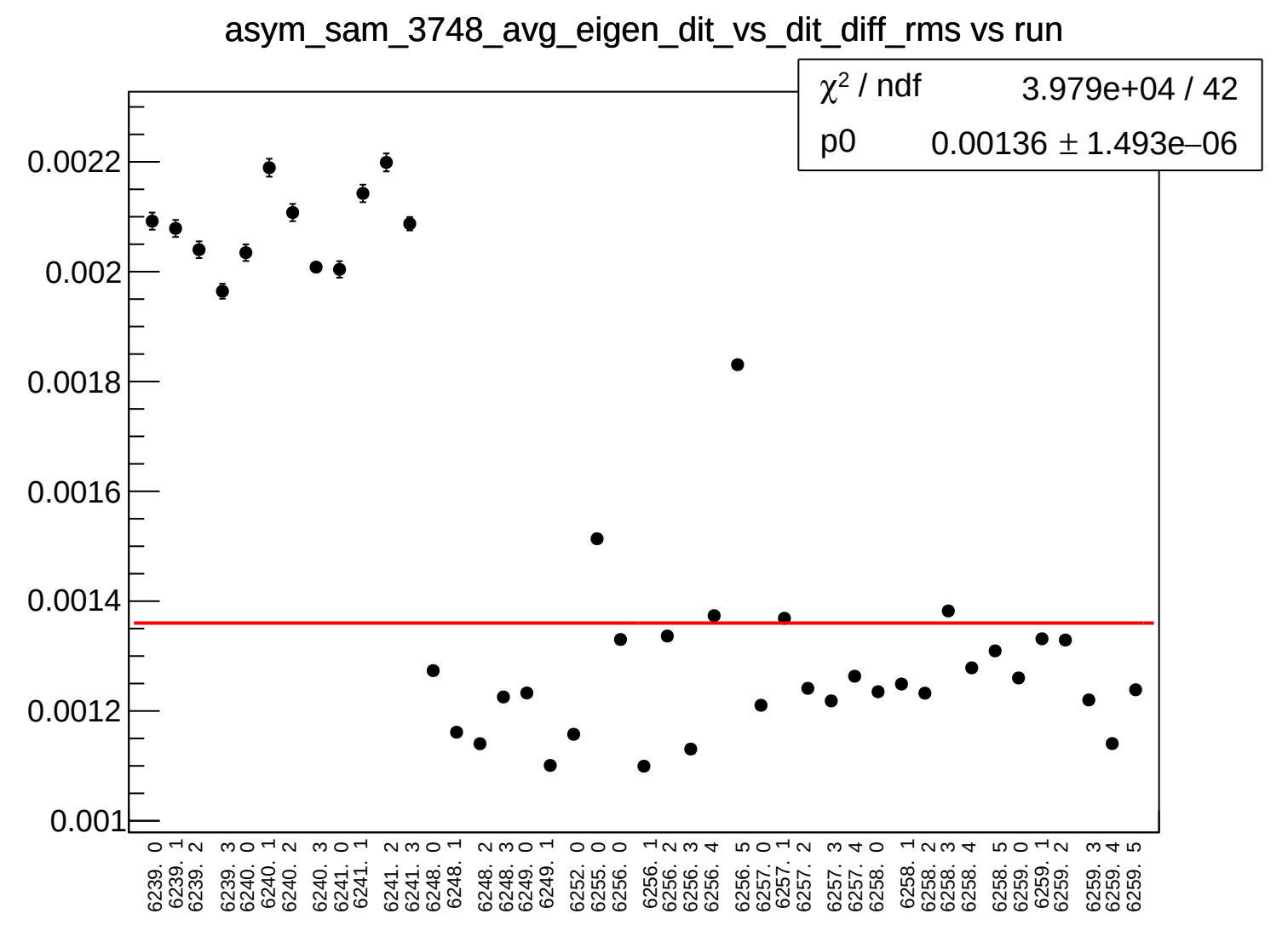

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.105e+05 / 42
p0 46.94 ± 0.05388
200
180
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

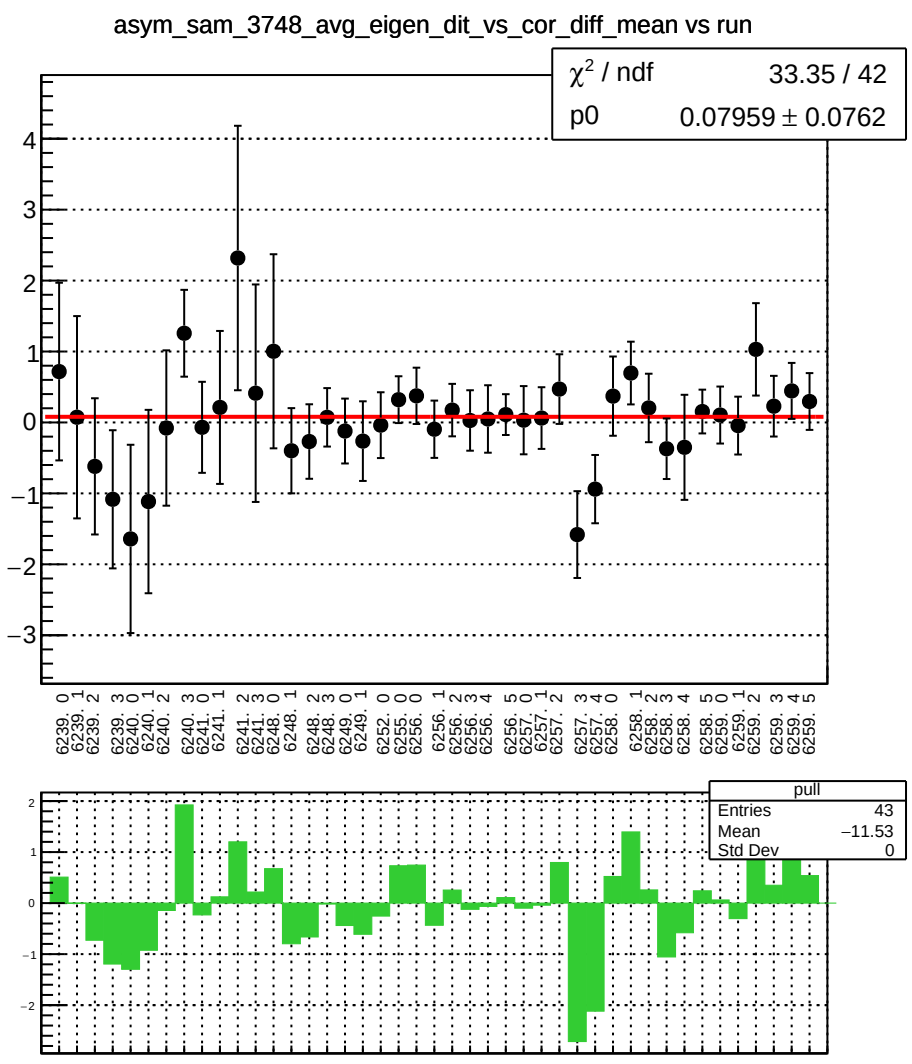

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.35 / 42
p0 0.07958 ± 0.0762
pull
Entries 43
Mean −11.53
Std Dev 0
pull1D
Entries 43
Mean −0.04188
Std Dev 0.8797

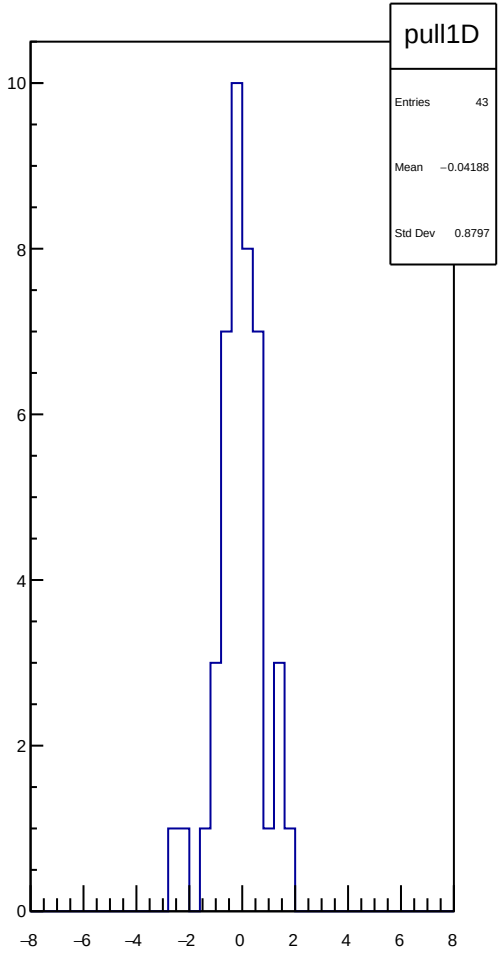

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.105e+05 / 42
p0 46.94 ± 0.05388
200
180
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

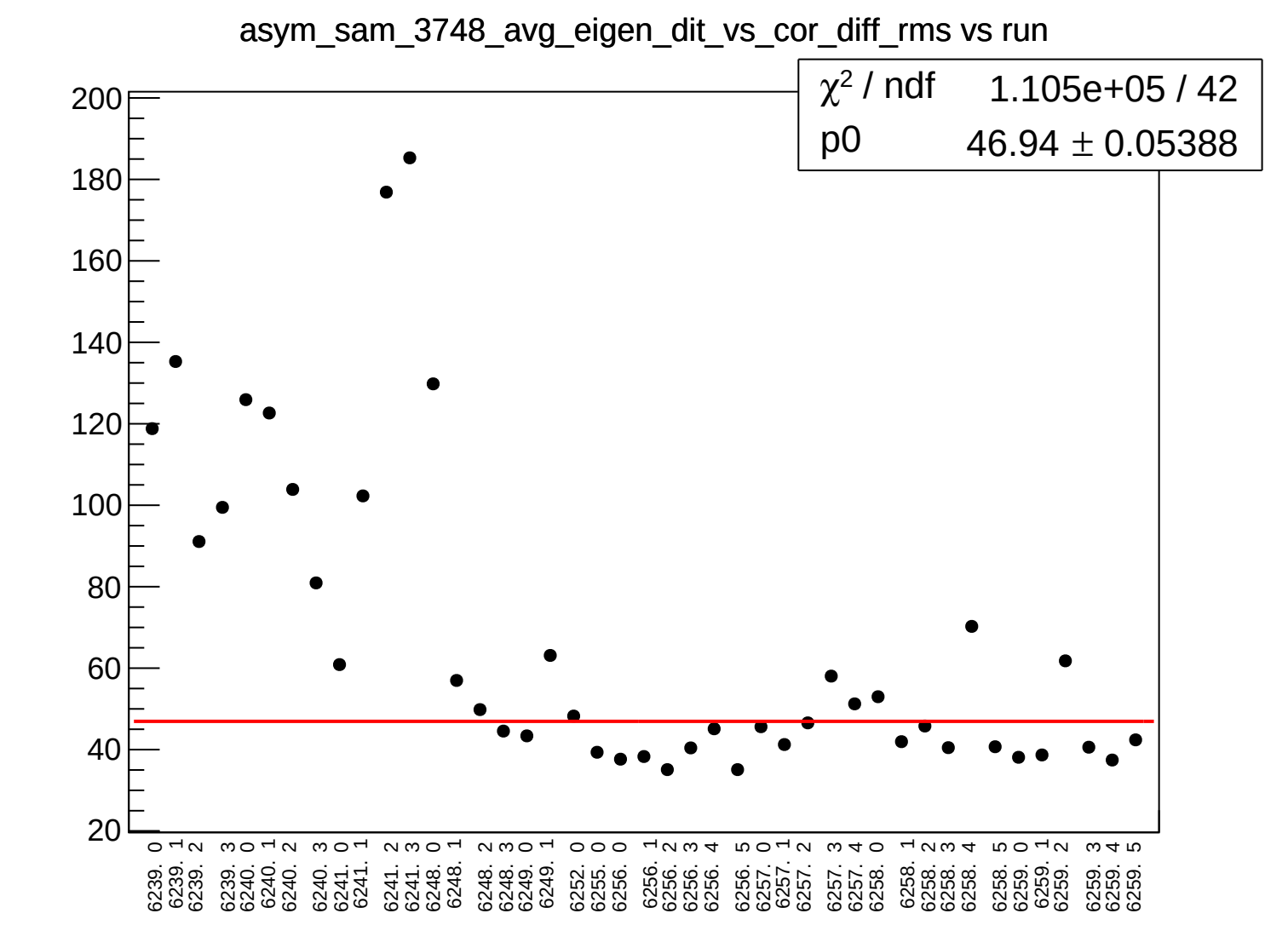

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.21 / 42
p0 4.856e−06 ± 2.112e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.16
Std Dev 6.401
2
1.5
1
0.5
0
−0.5
−1
−1.5

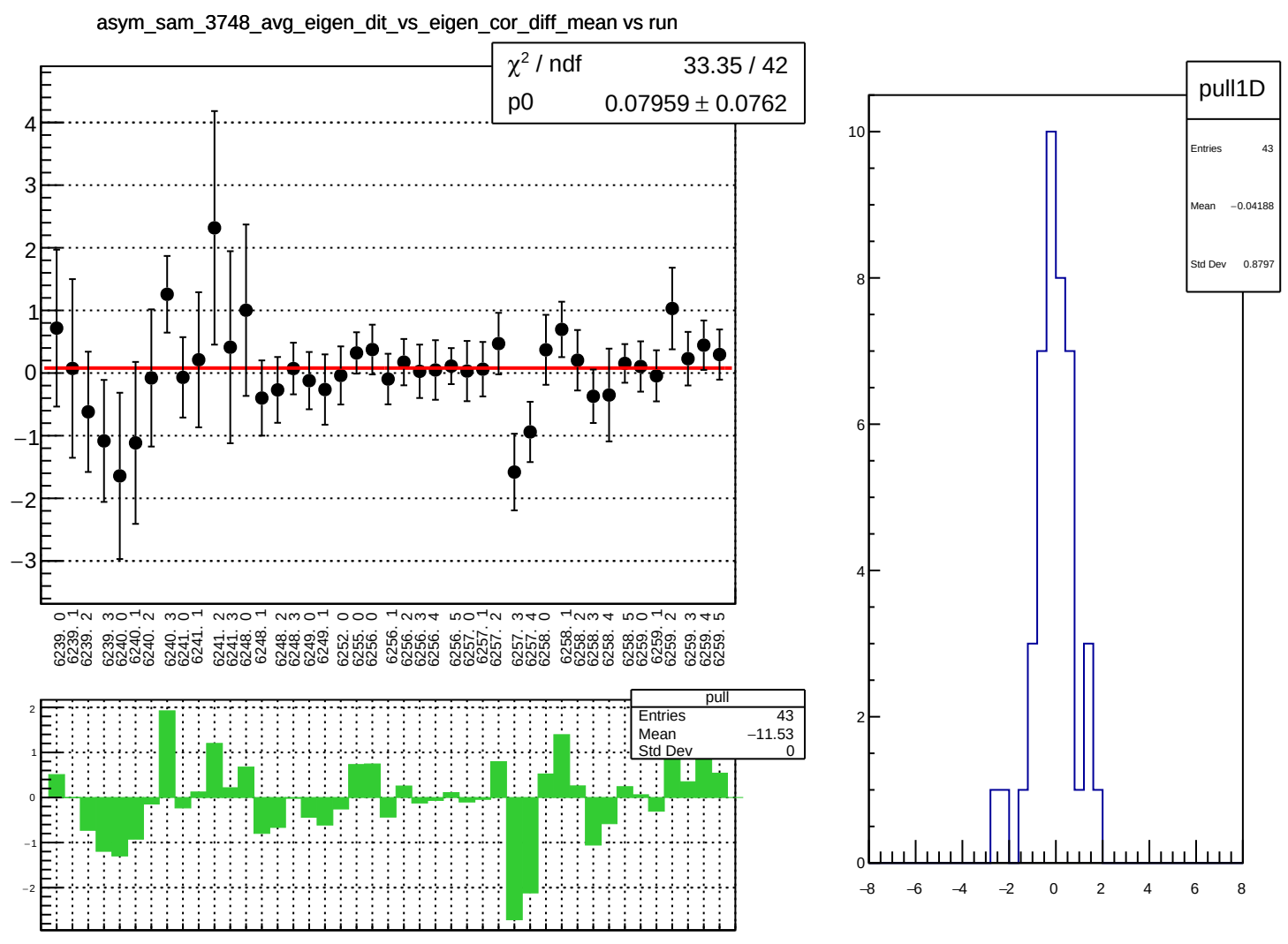

pull1D
Entries 43
Mean 0.04011
Std Dev 0.904
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

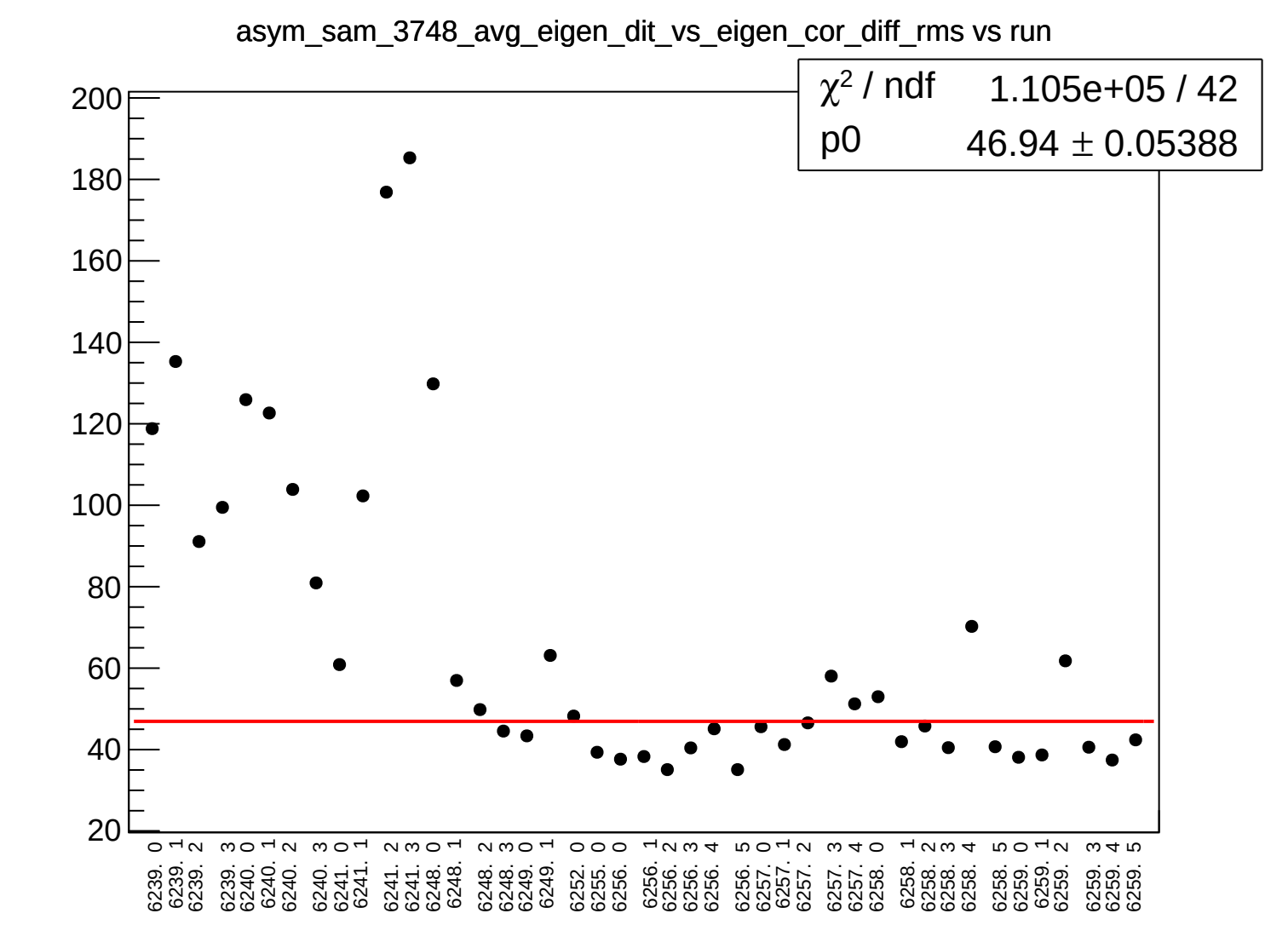

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.979e+04 / 42
p0 0.00136 ± 1.493e–06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

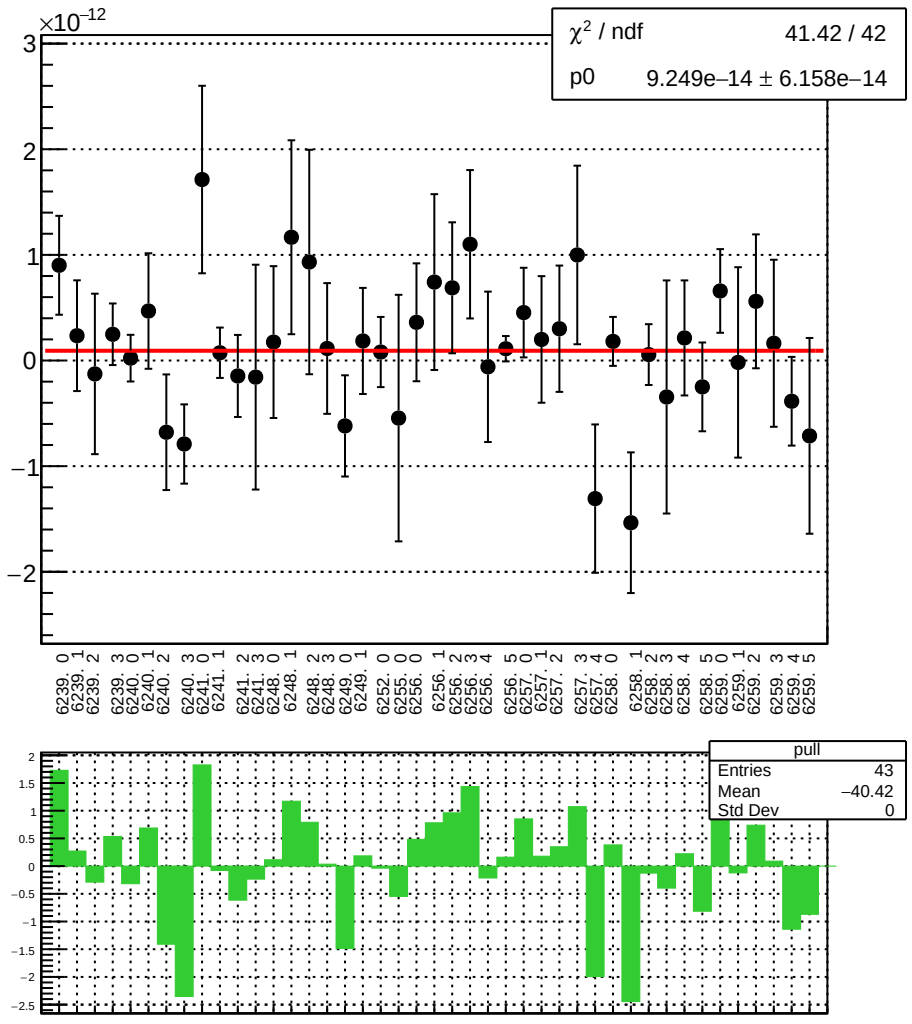

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.35 / 42
p0 0.07959 ± 0.0762
pull
Entries 43
Mean −11.53
Std Dev 0

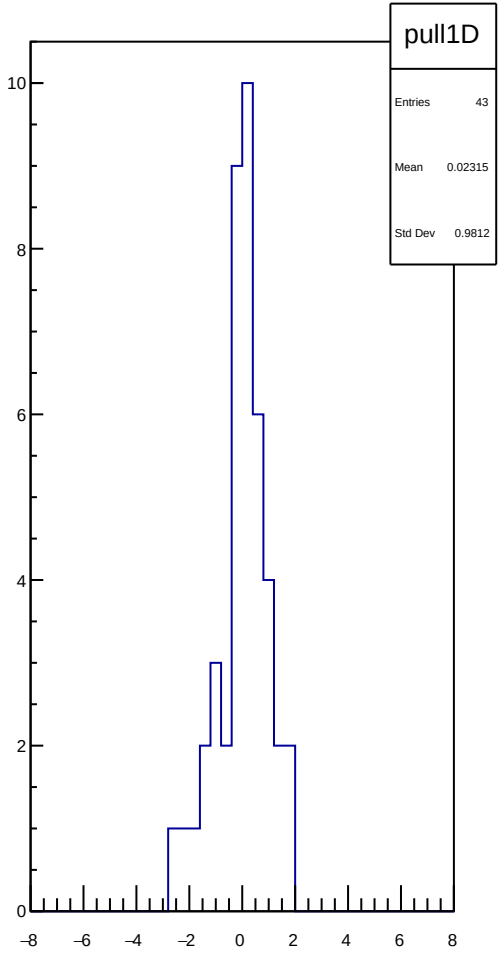

pull1D
Entries 43
Mean −0.04188
Std Dev 0.8797

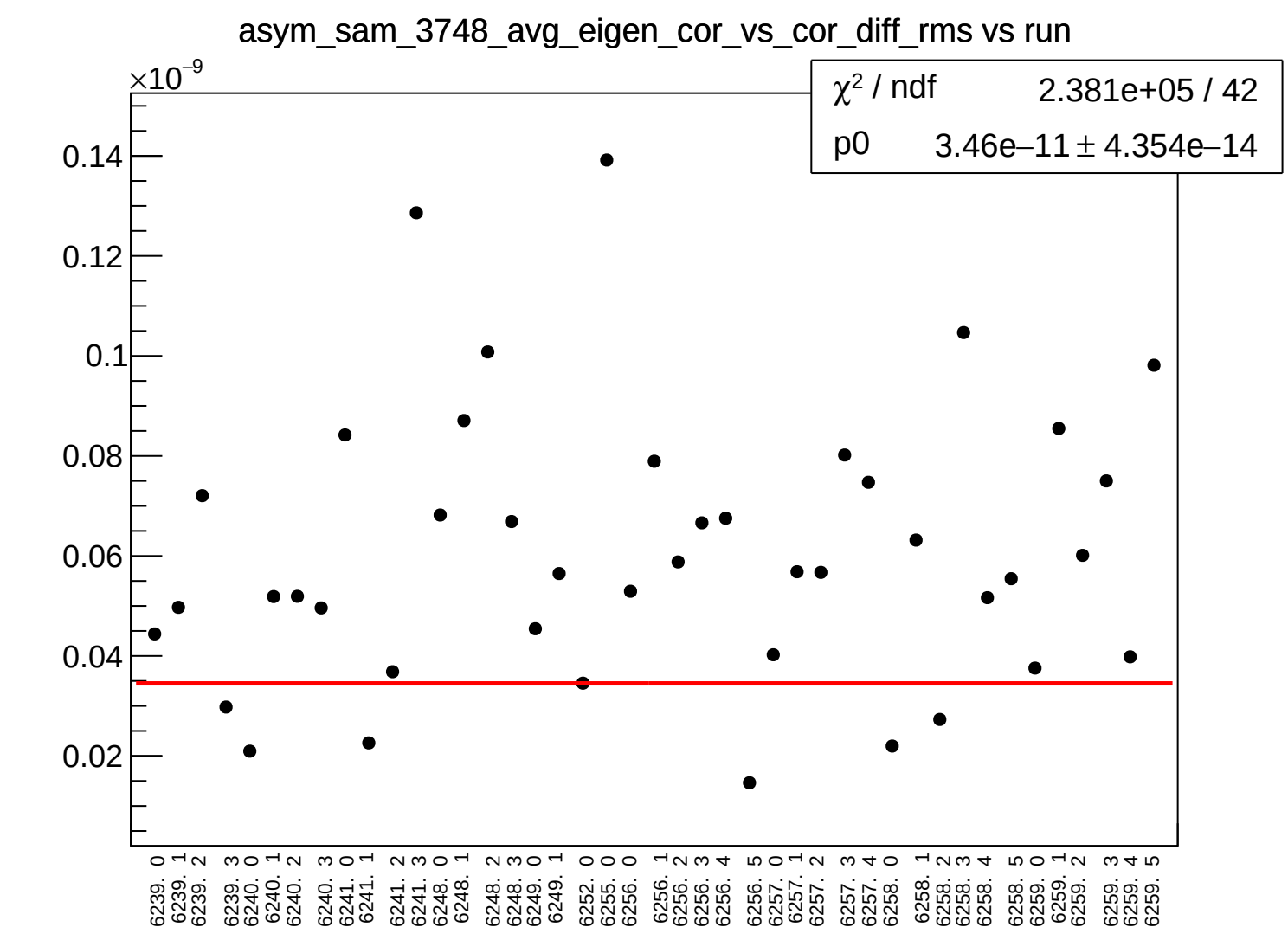

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.105e+05 / 42
p0 46.94 ± 0.05388
200
180
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

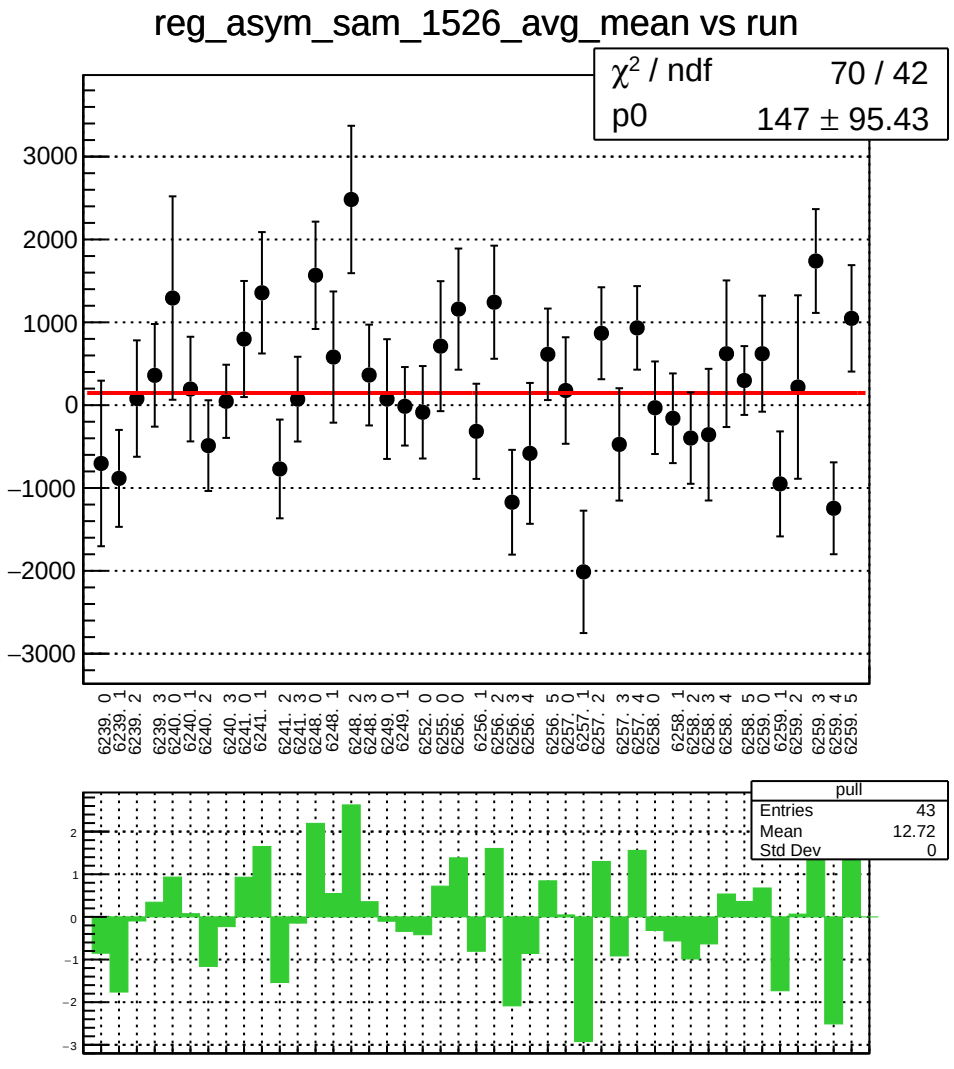

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.35 / 42
p0 0.07959 ± 0.0762
pull
Entries 43
Mean −11.53
Std Dev 0
pull1D
Entries 43
Mean −0.04188
Std Dev 0.8797

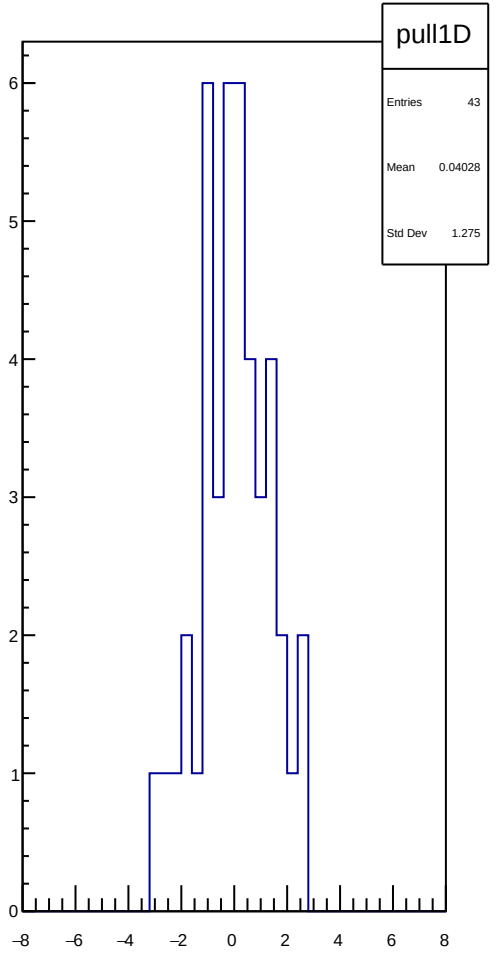

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.105e+05 / 42
p0 46.94 ± 0.05388
200
180
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

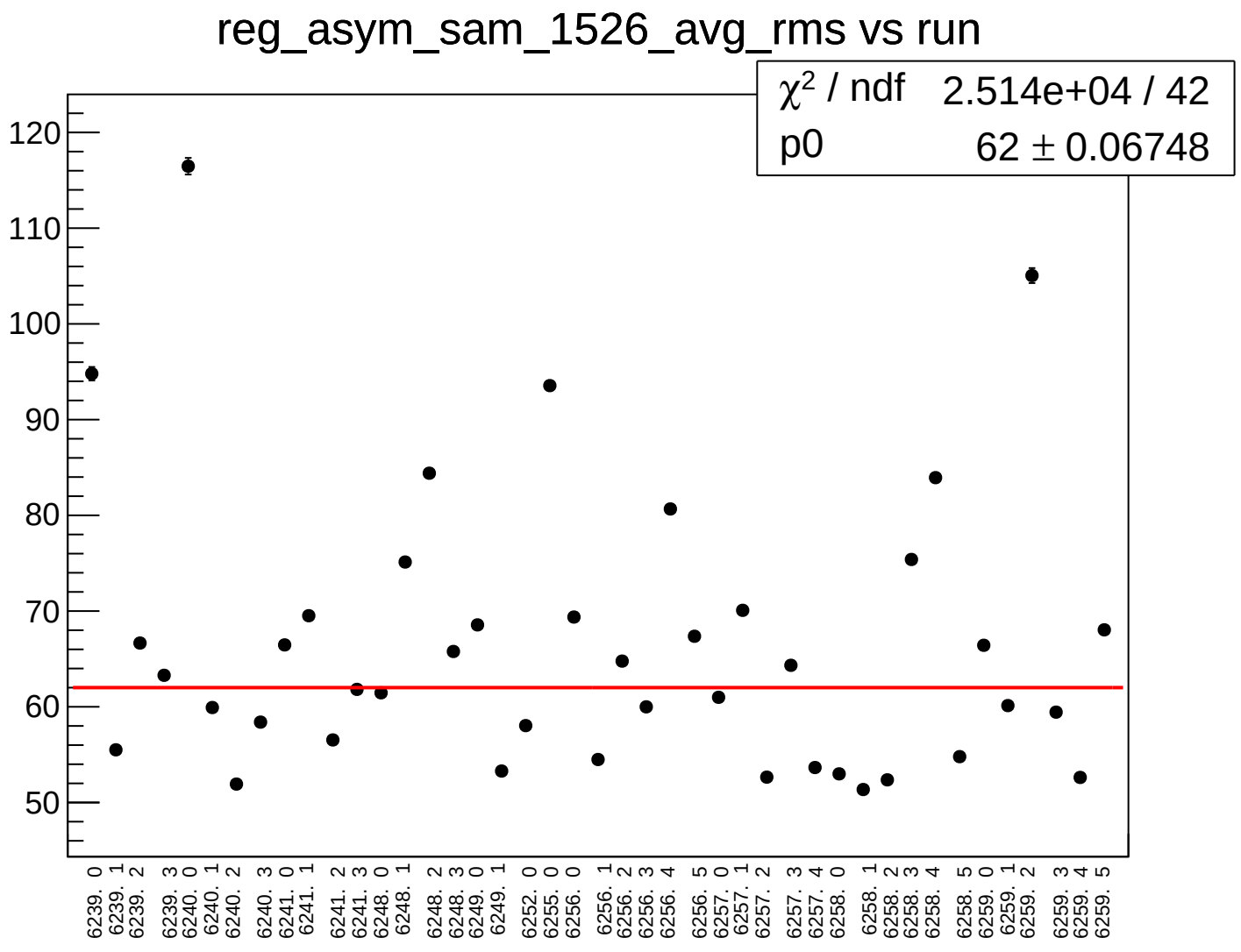

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.42 / 42
p0 9.249e−14 ± 6.158e−14
pull
Entries 43
Mean −40.42
Std Dev 0

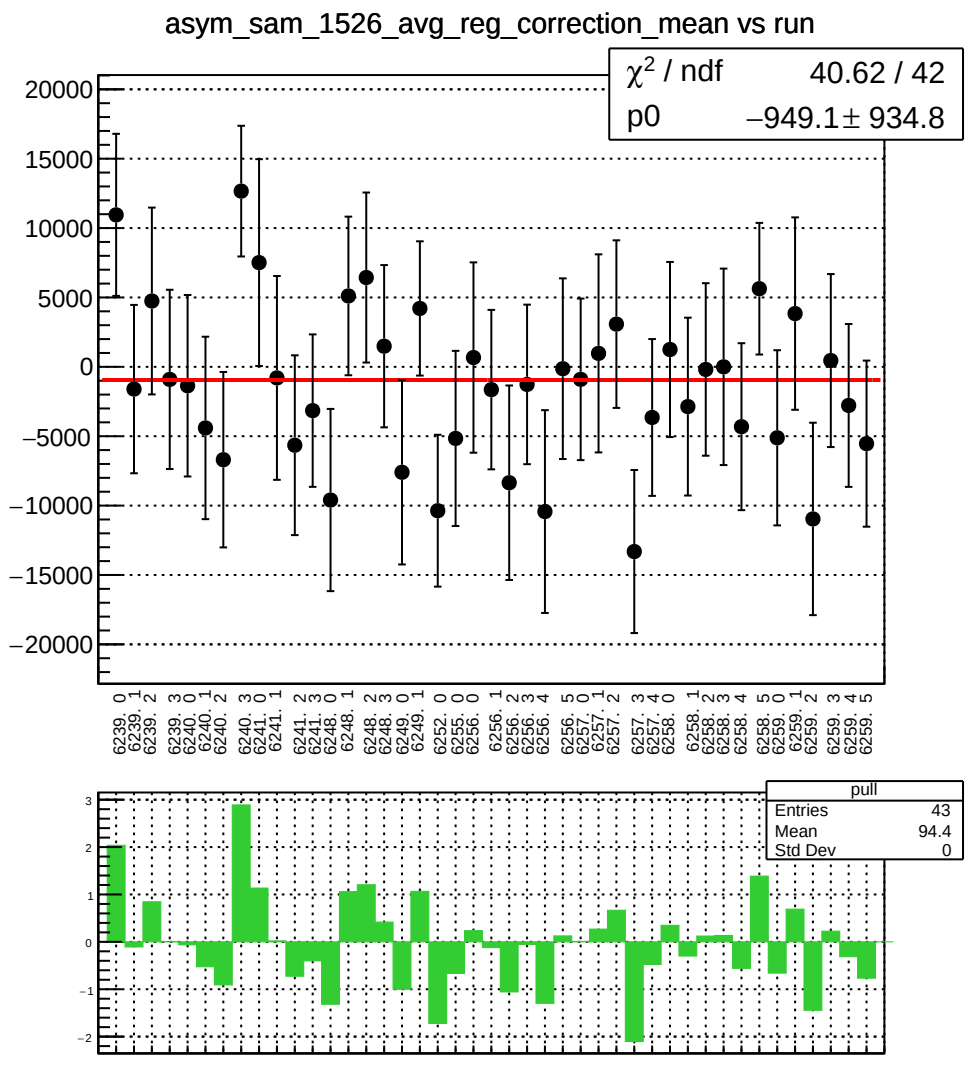

pull1D
Entries 43
Mean 0.02315
Std Dev 0.9812

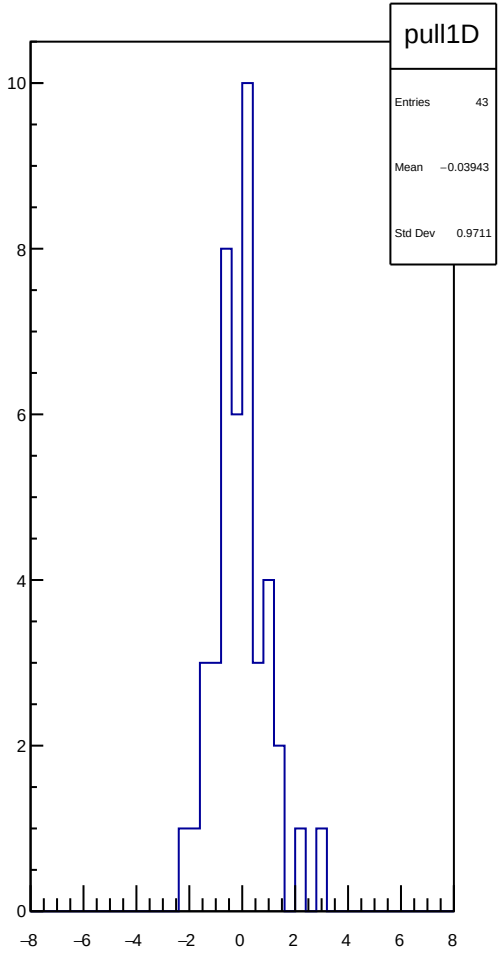

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.381e+05 / 42
p0 3.46e−11 ± 4.354e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

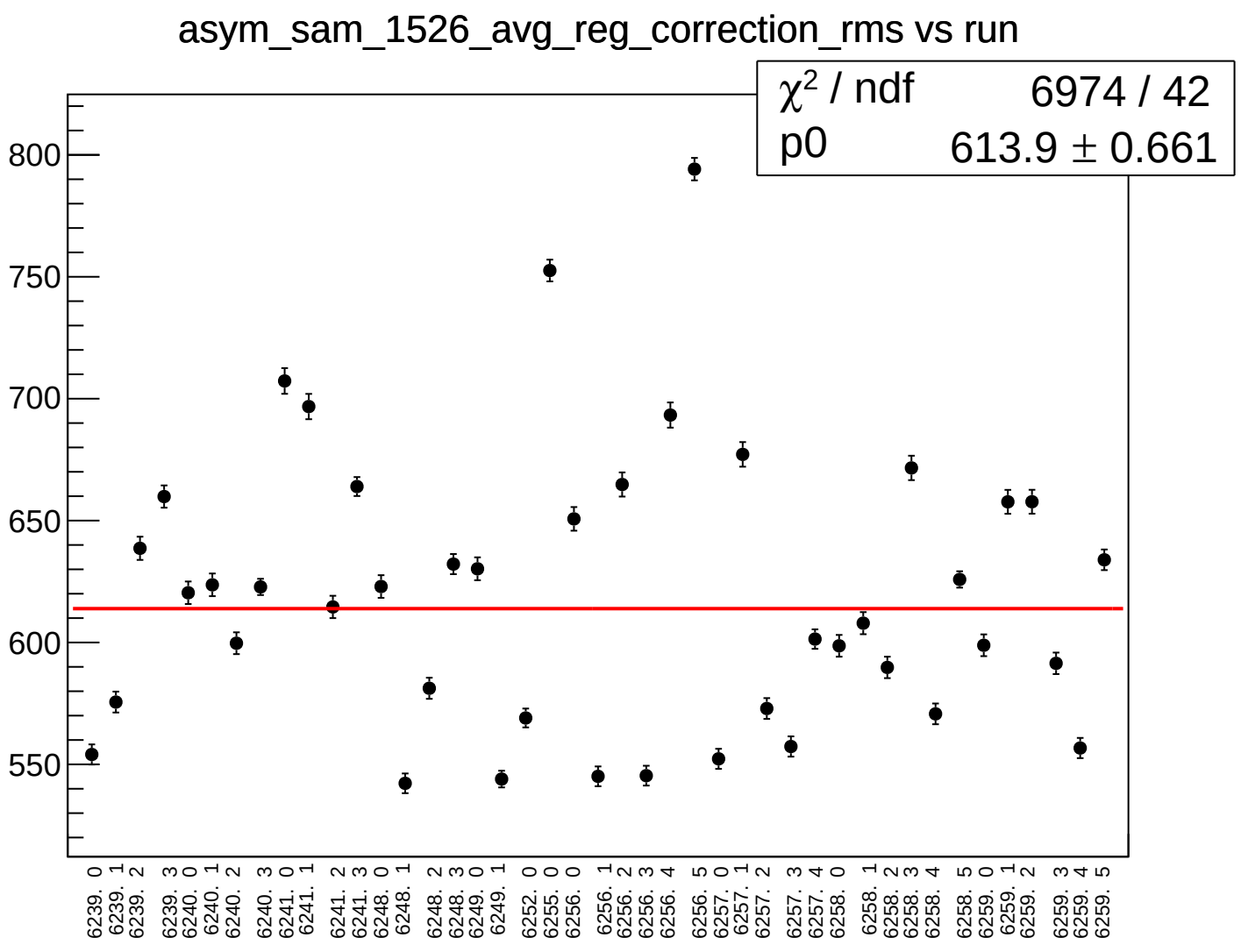

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 70 / 42
p0 147 ± 95.43
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.72
Std Dev 0
2
1
0
−1
−2
−3

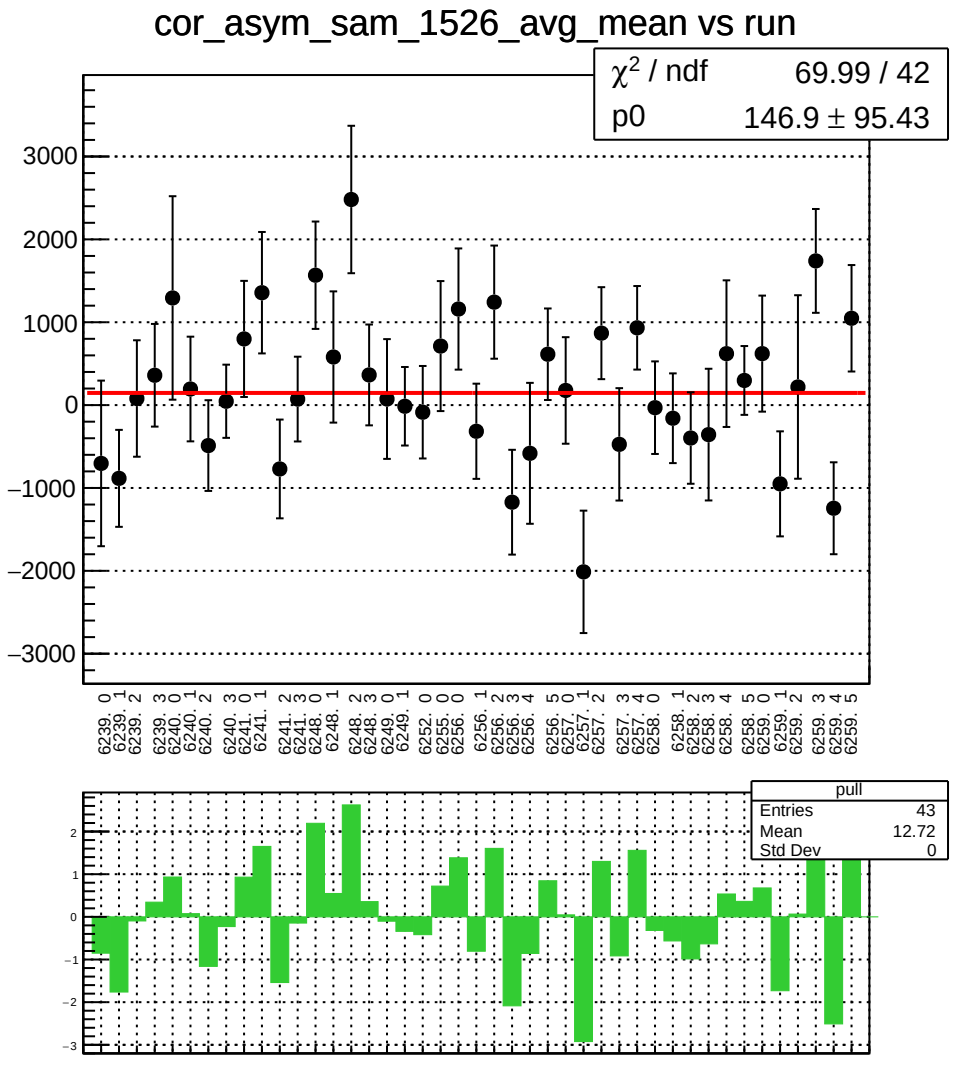

pull1D
Entries 43
Mean 0.04028
Std Dev 1.275
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

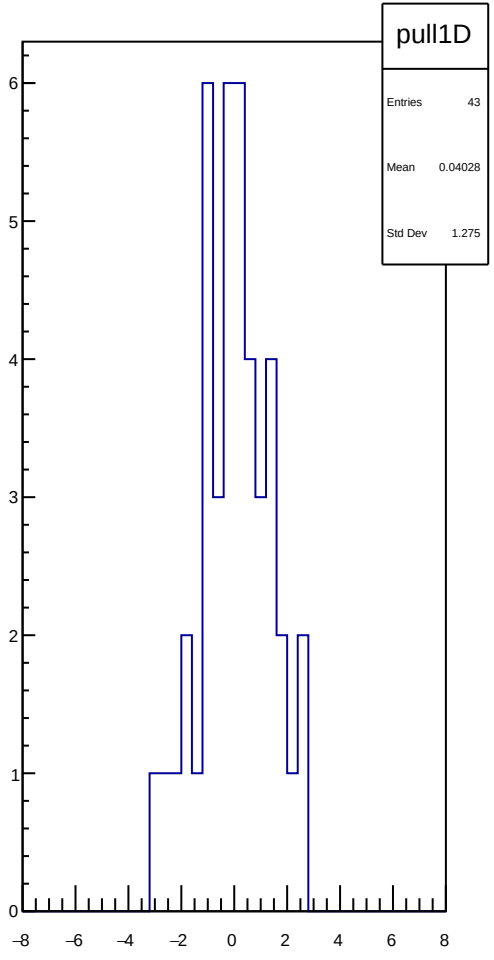

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 2.514e+04 / 42
p0 62 ± 0.06748
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

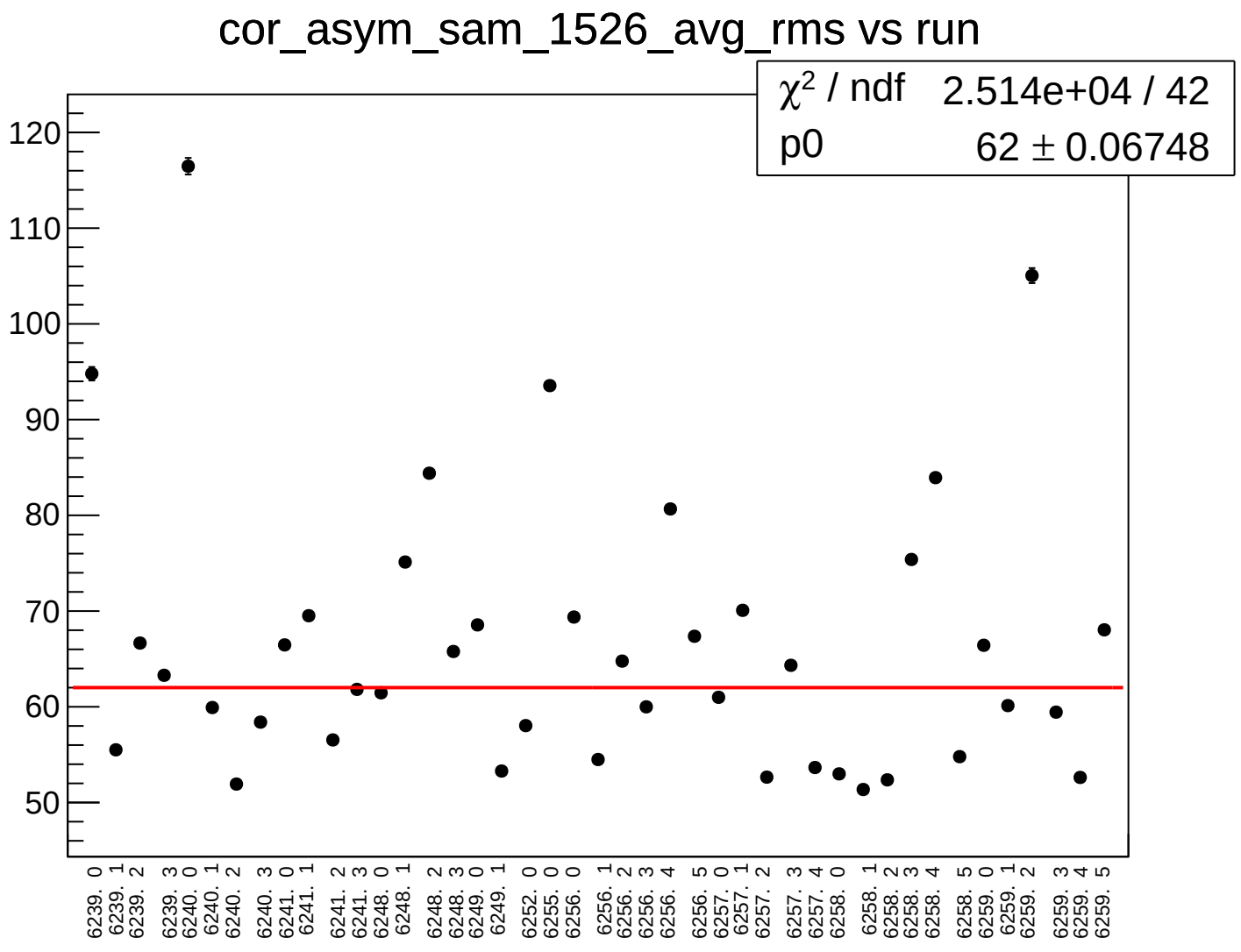

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 40.62 / 42
p0 −949.1 ± 934.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.4
Std Dev 0
3
2
1
0
−1
−2

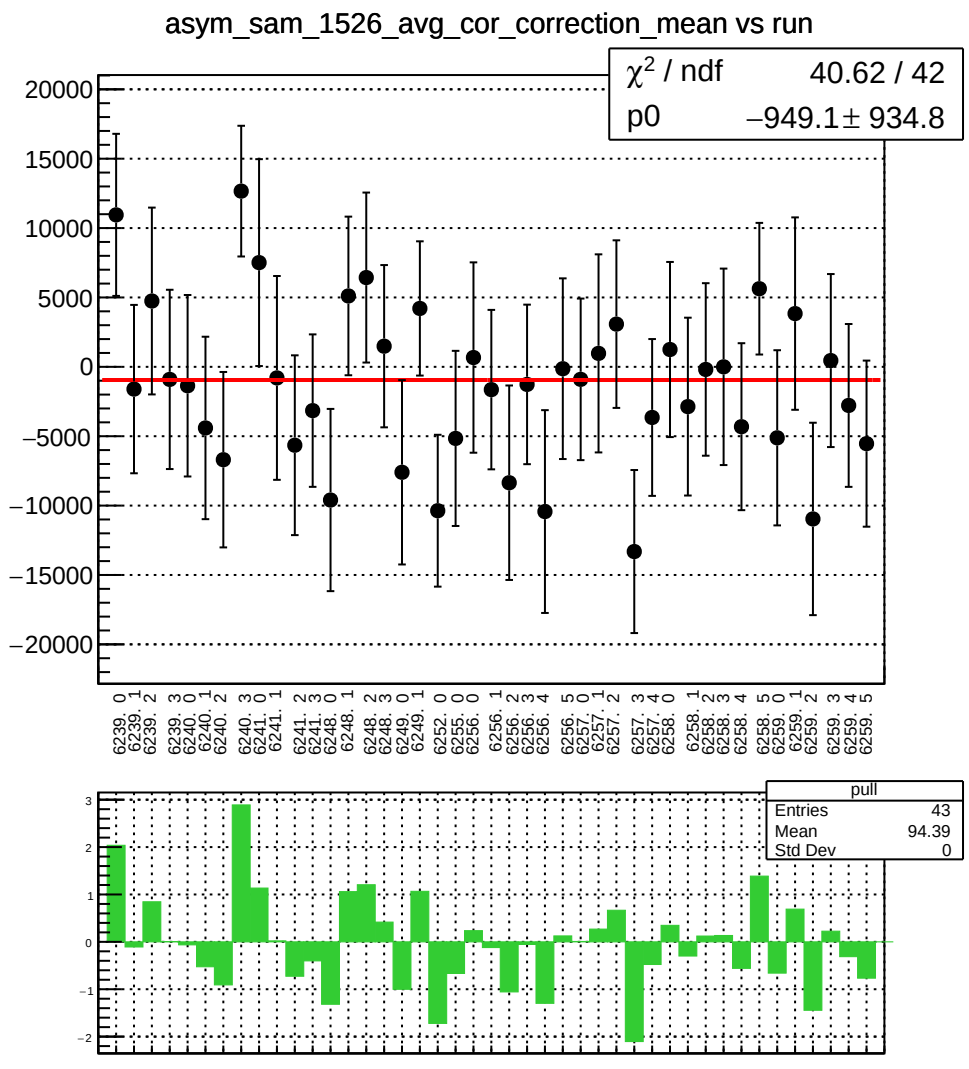

pull1D
Entries 43
Mean −0.03943
Std Dev 0.9711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

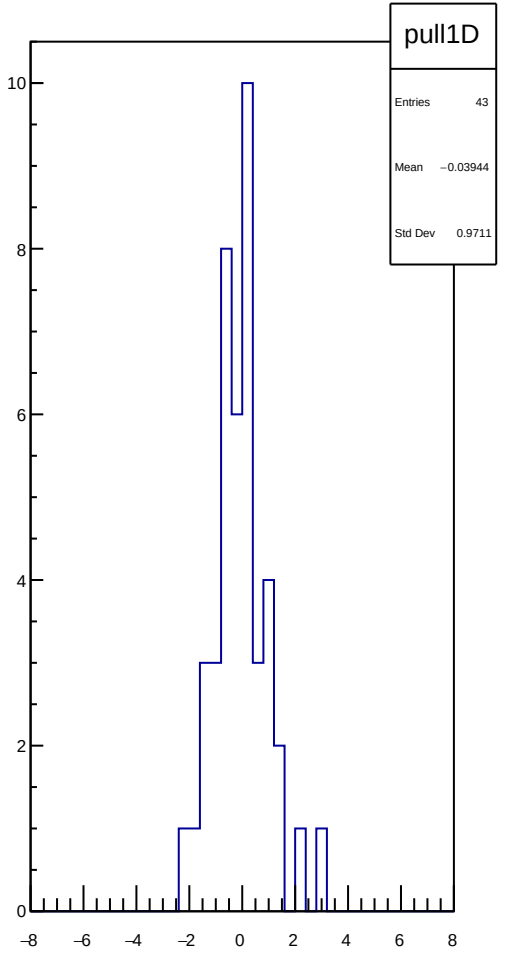

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 6974 / 42
p0 613.9 ± 0.661
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

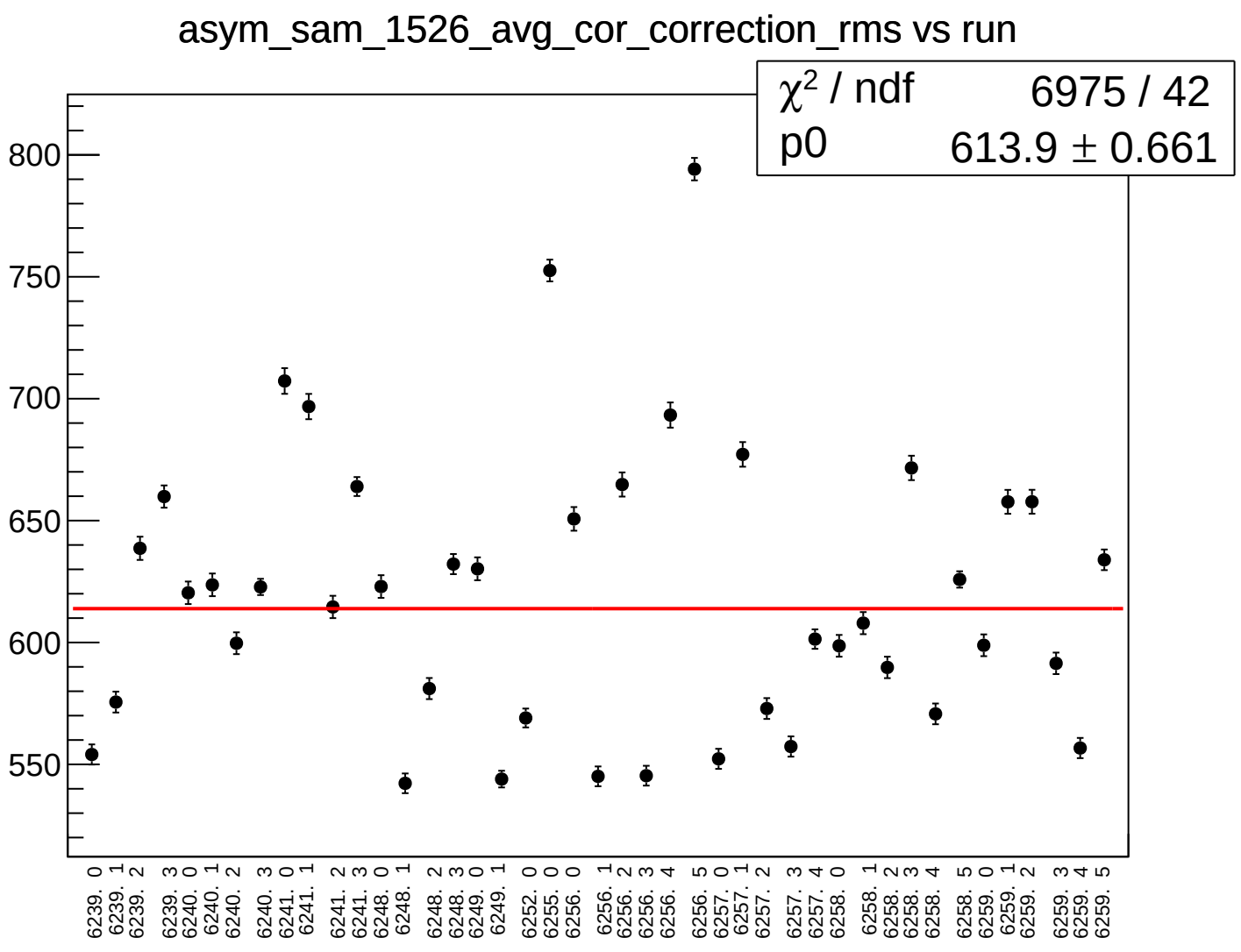

cor_asym_sam_1526_avg_mean vs run
$\chi^2$ / ndf 69.99 / 42
p0 146.9 ± 95.43
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.72
Std Dev 0
2
1
0
−1
−2
−3

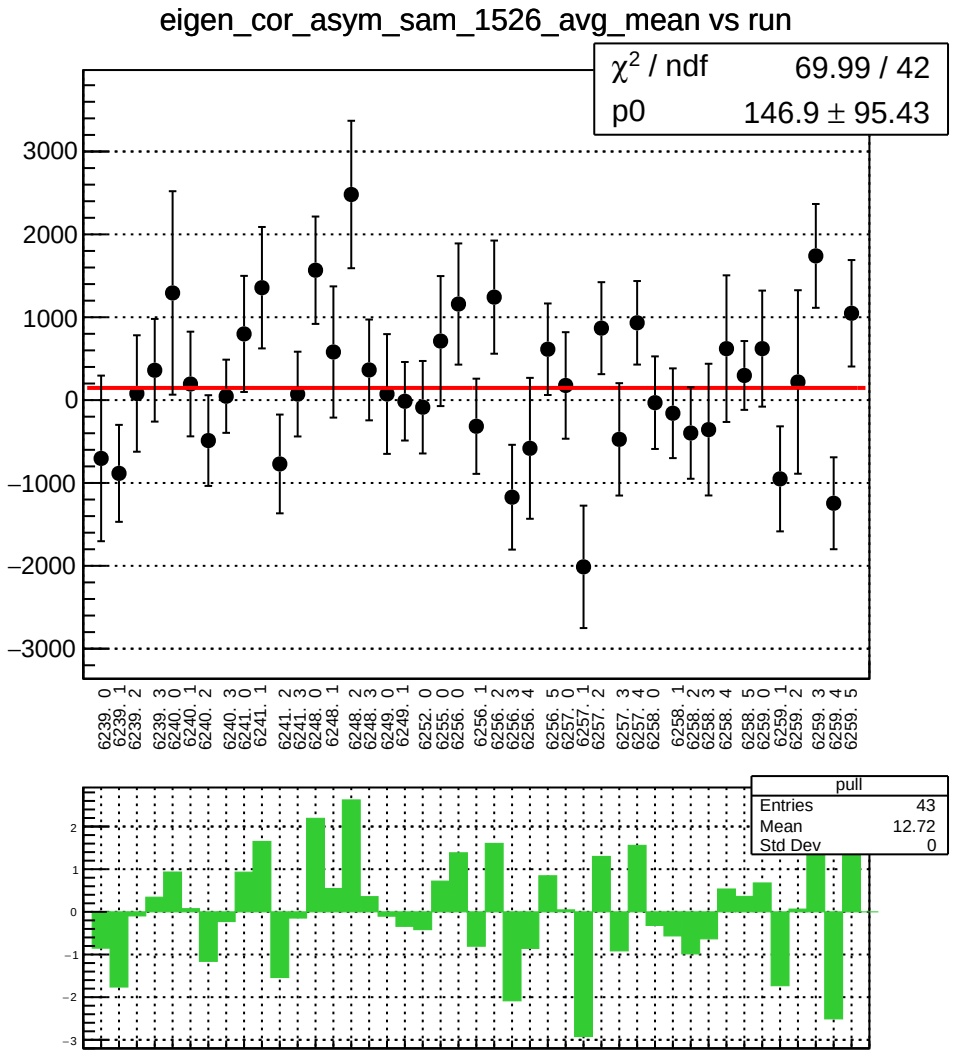

pull1D
Entries 43
Mean 0.04028
Std Dev 1.275
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

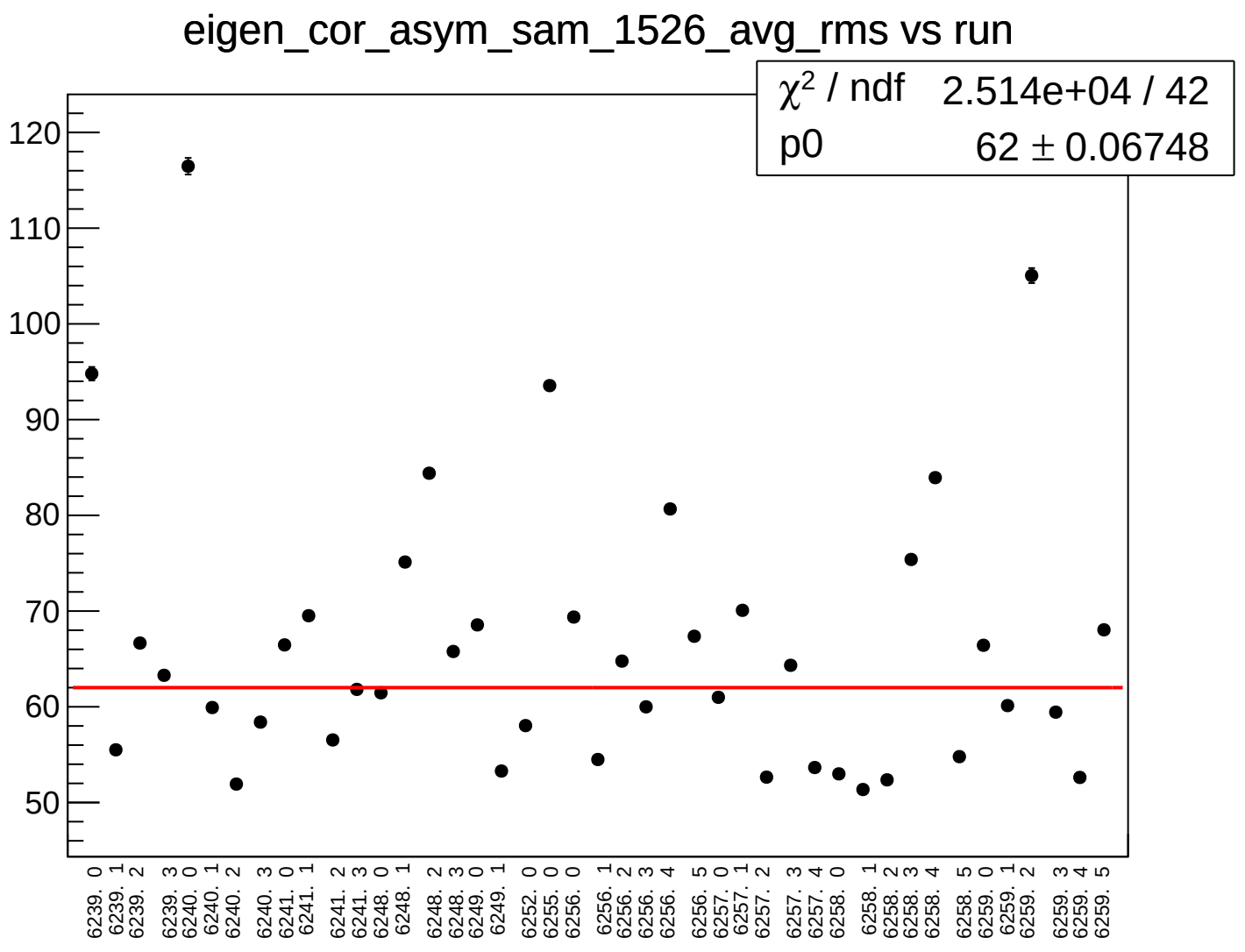

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.514e+04 / 42
p0 62 ± 0.06748
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 40.62 / 42
p0 −949.1± 934.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.39
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03944
Std Dev 0.9711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 6975 / 42
p0 613.9 ± 0.661
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 69.99 / 42
p0 146.9 ± 95.43
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 12.72
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04028
Std Dev 1.275
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.514e+04 / 42
p0 62 ± 0.06748
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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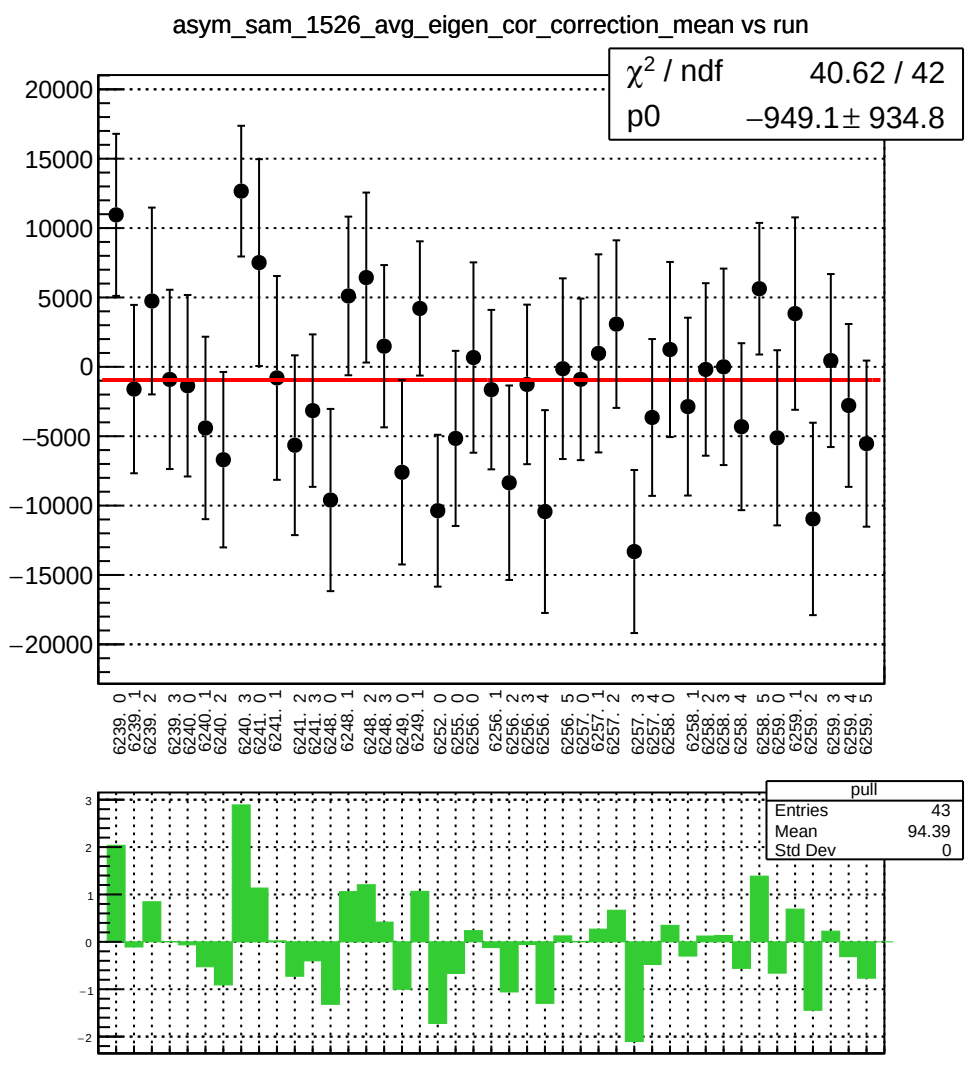
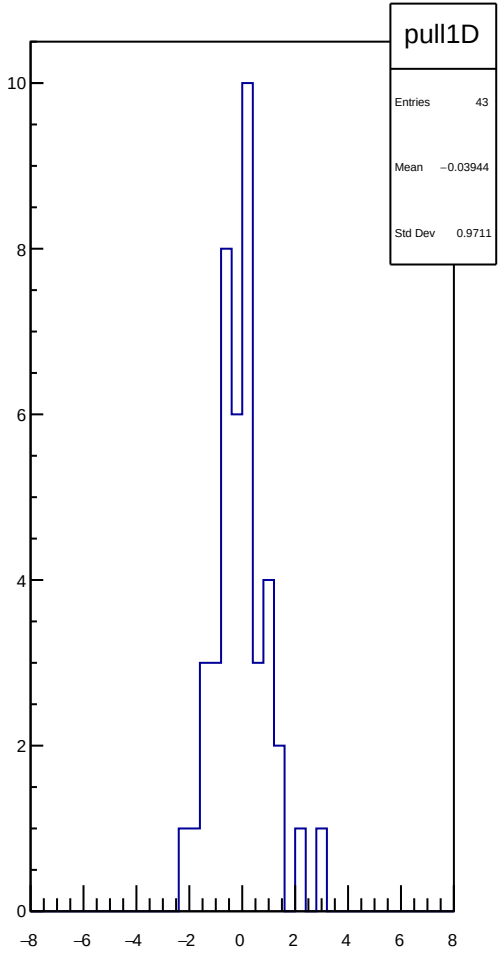
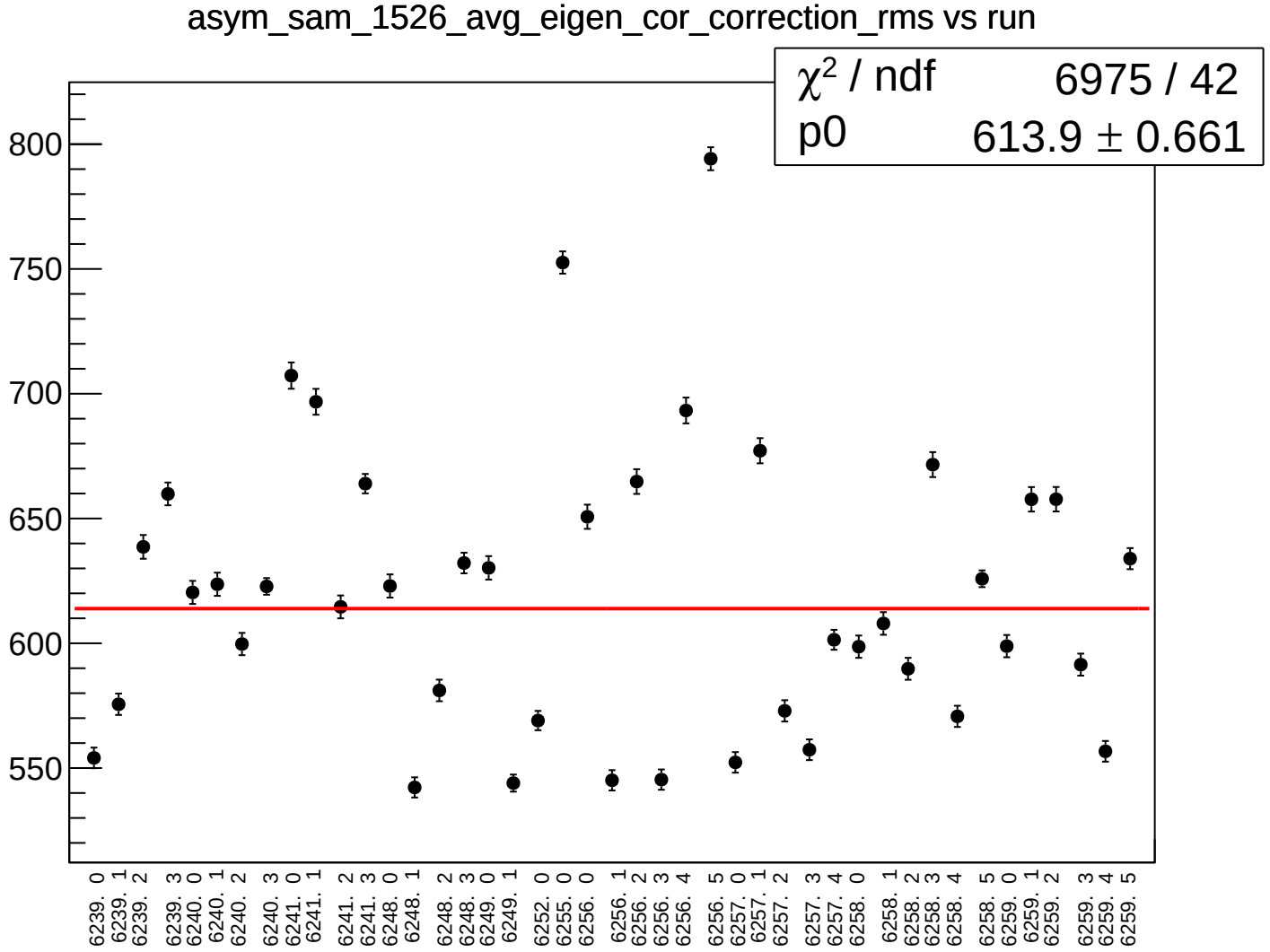
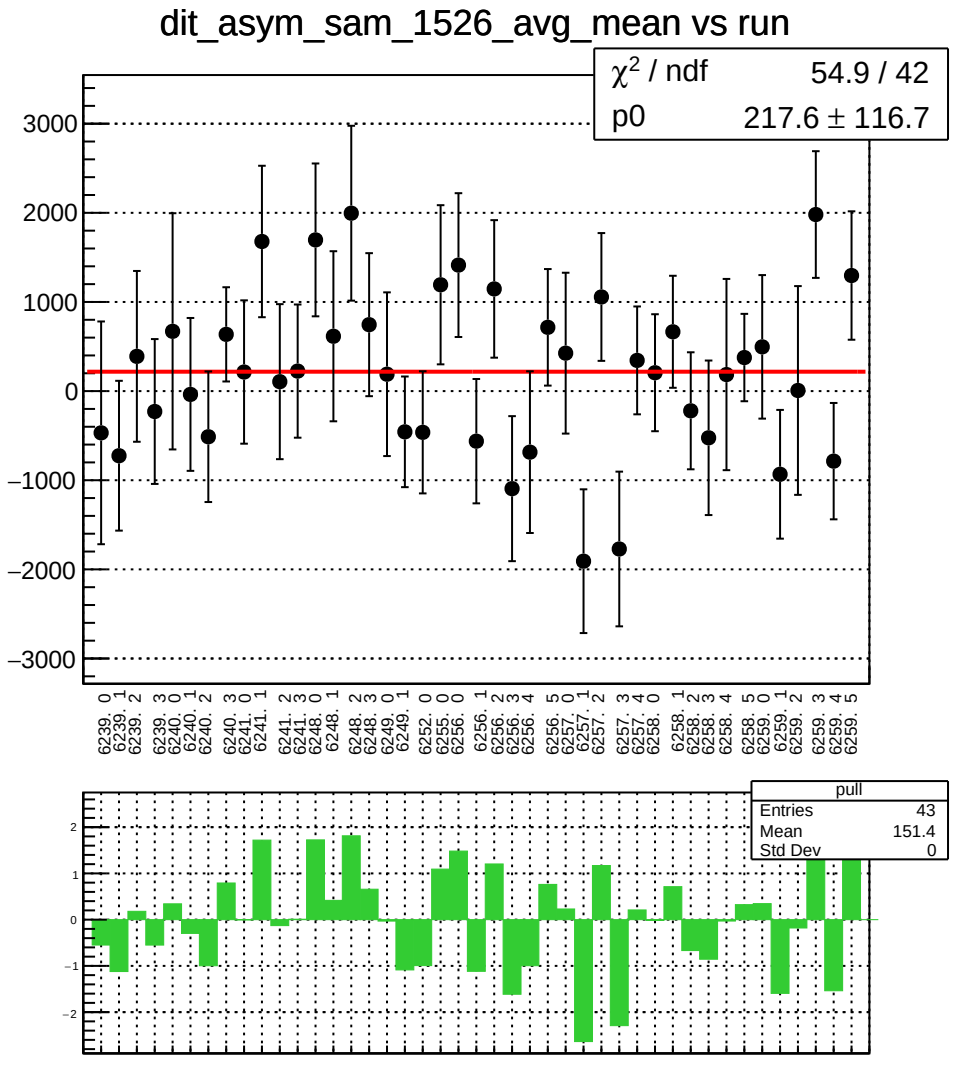
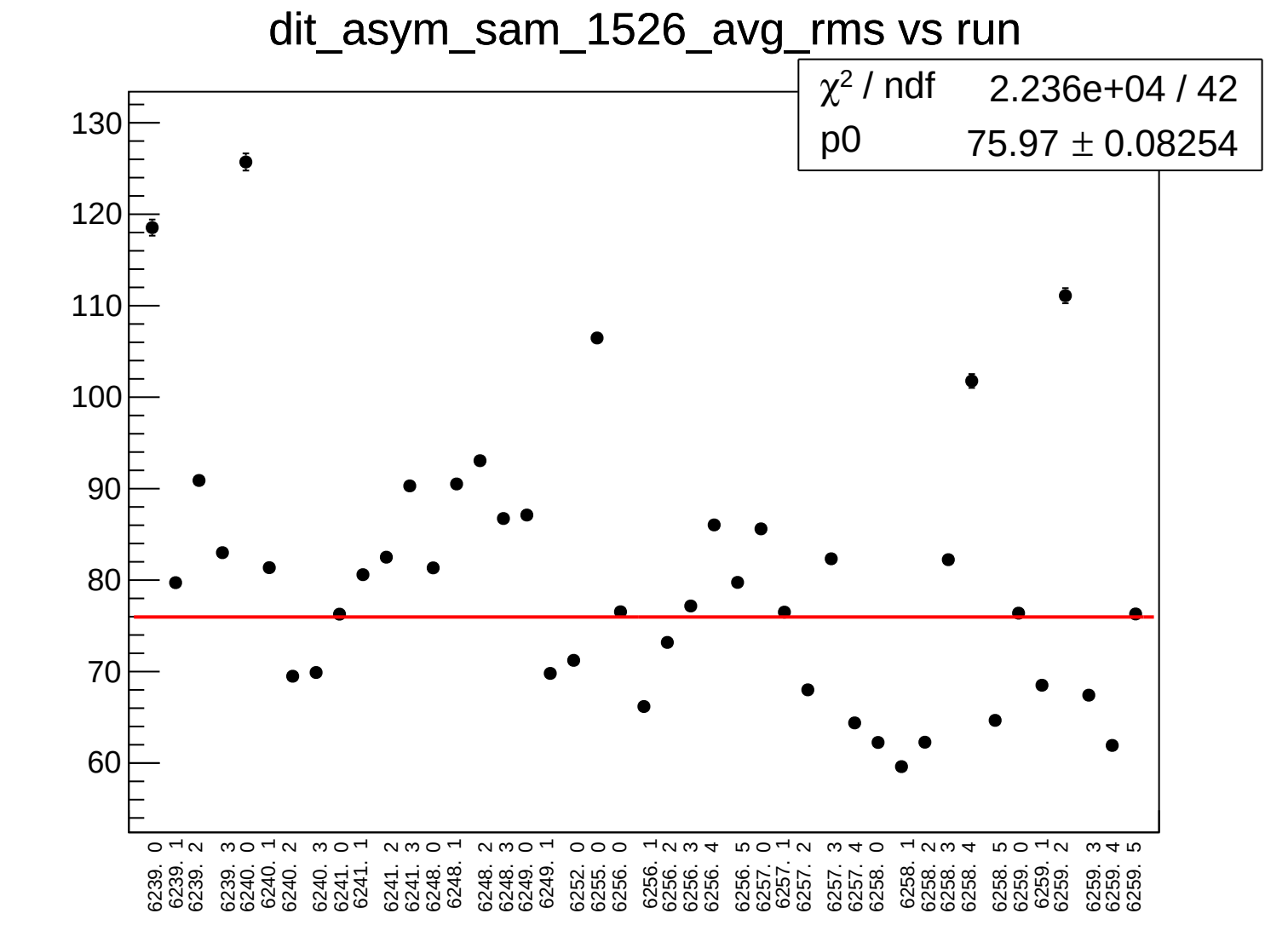
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

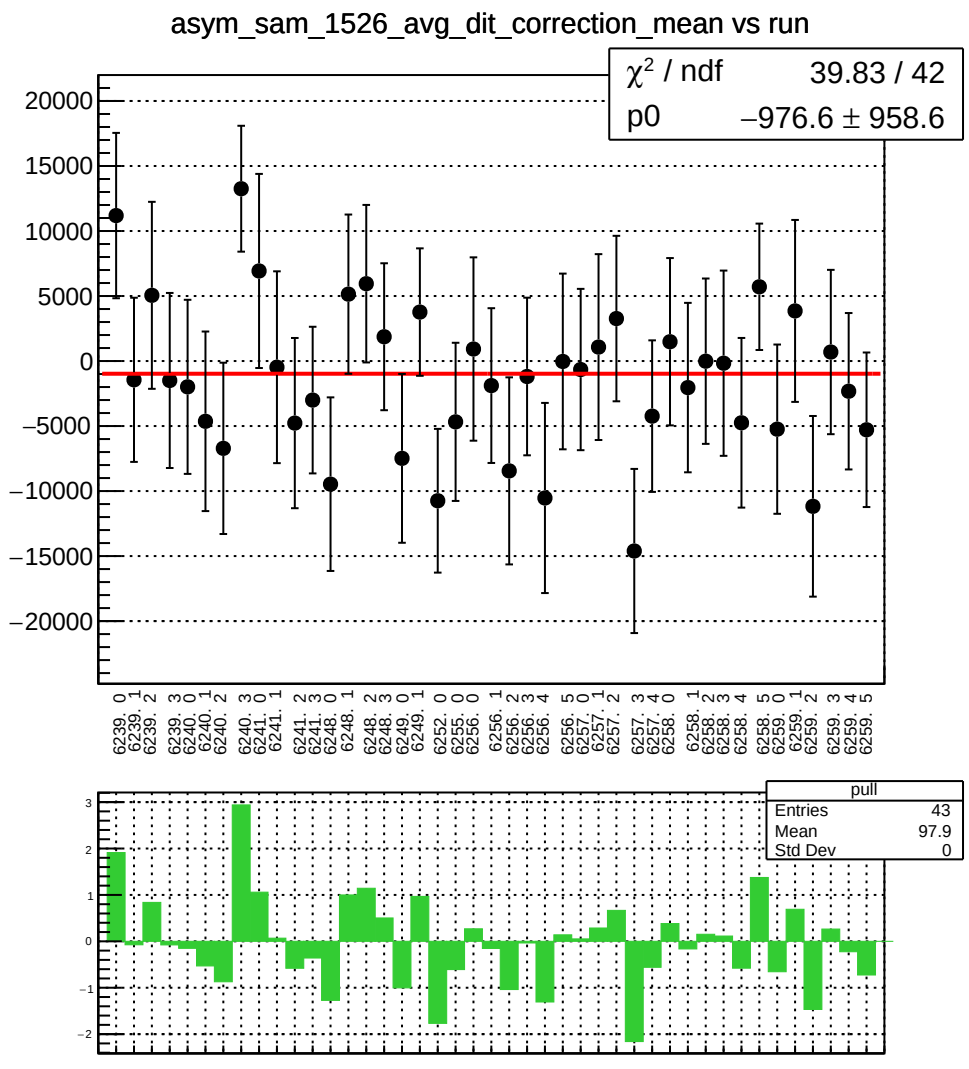

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 40.62 / 42
p0 −949.1 ± 934.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.39
Std Dev 0
3
2
1
0
−1
−2

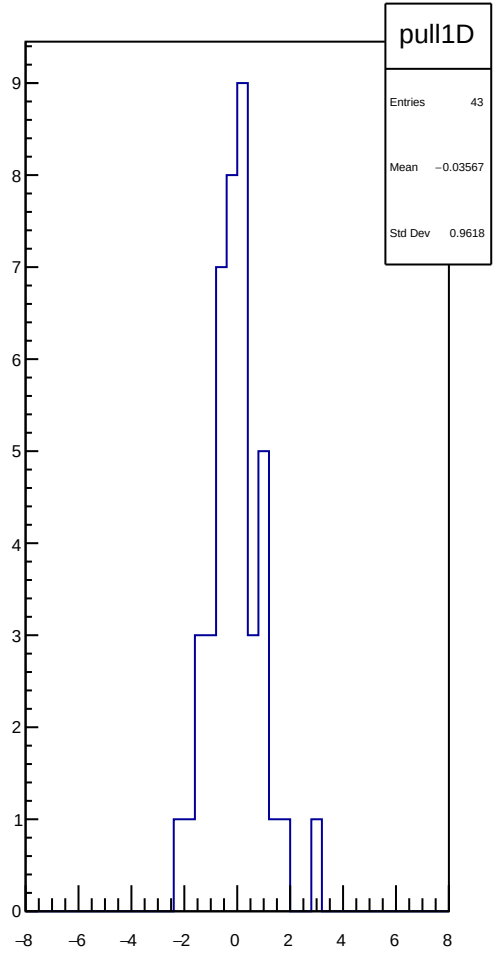

pull1D
Entries 43
Mean −0.03944
Std Dev 0.9711
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

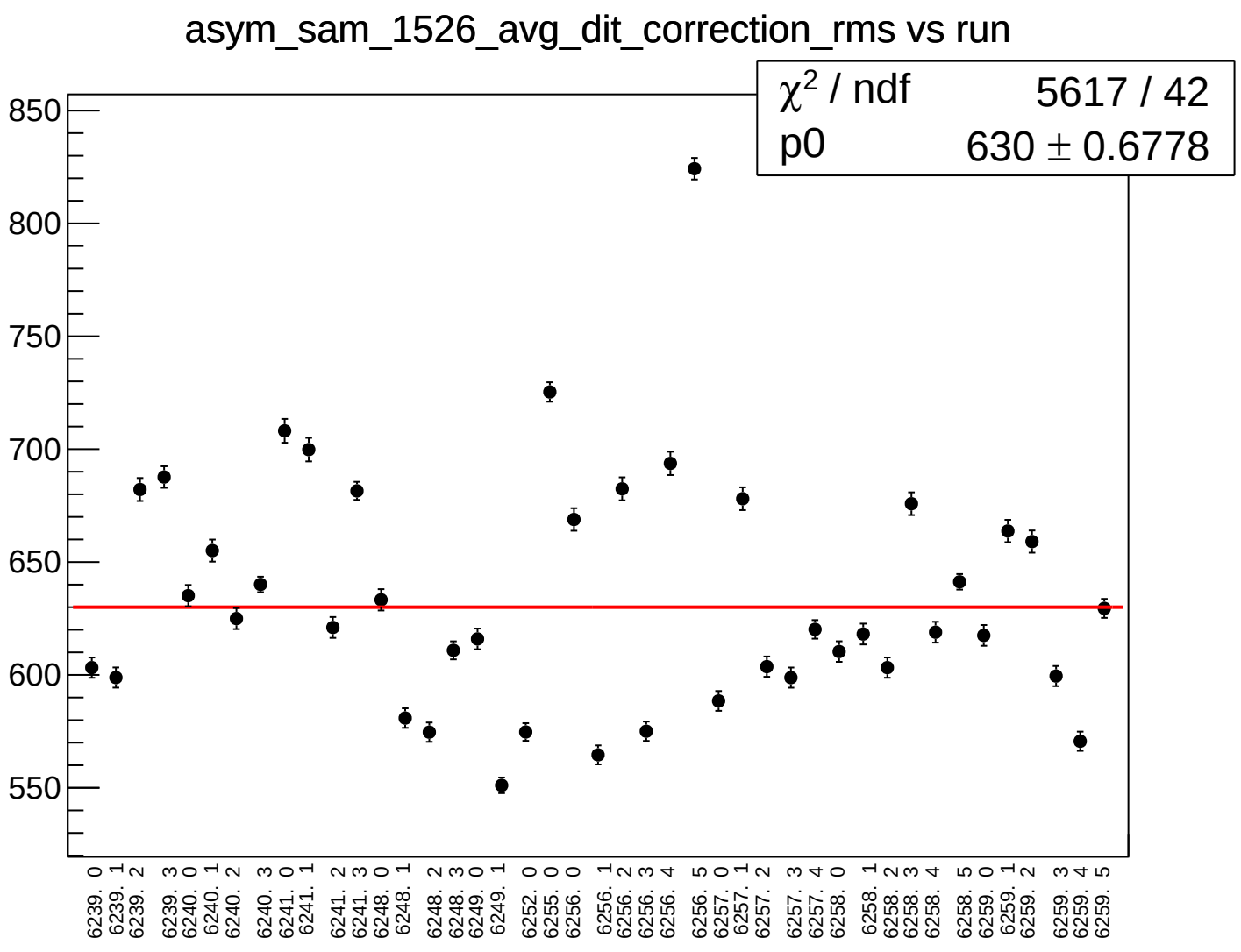

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 6975 / 42
p0 613.9 ± 0.661
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

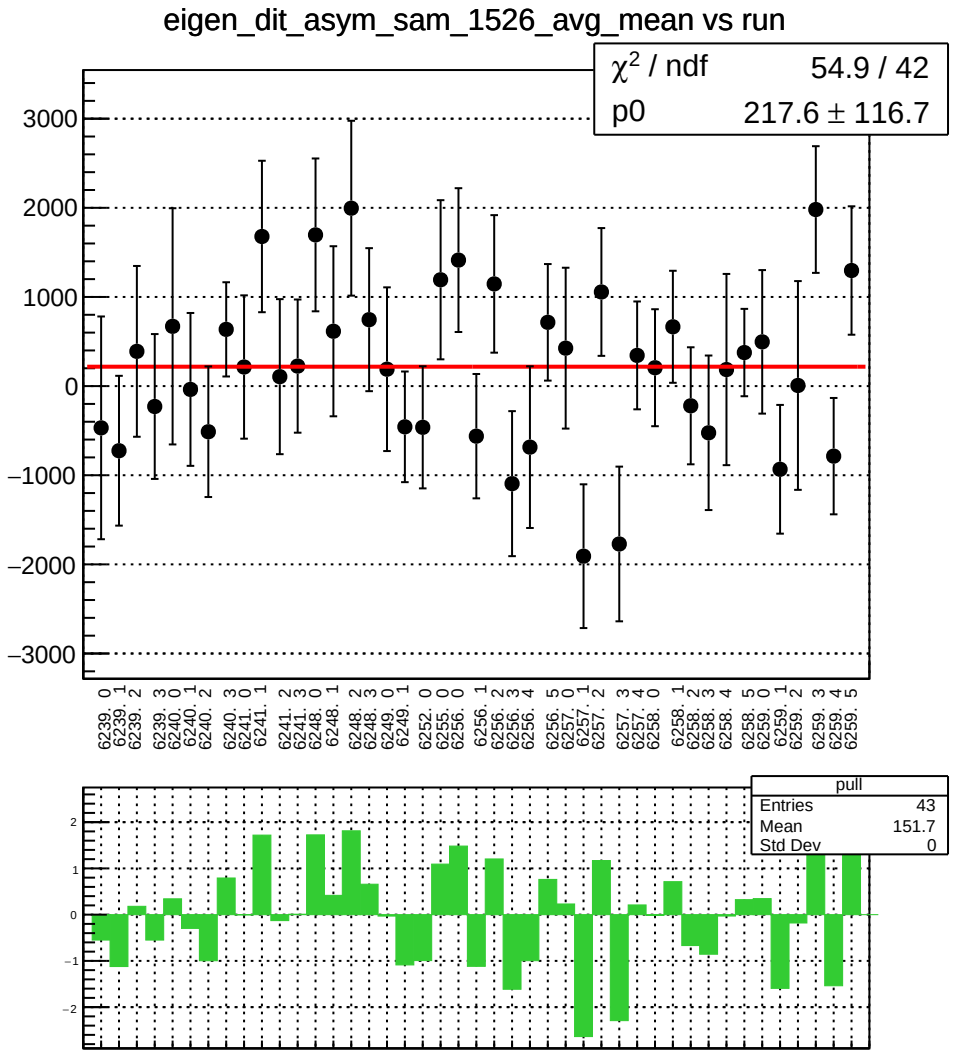

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 54.9 / 42
p0 217.6 ± 116.7
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 151.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.002965
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

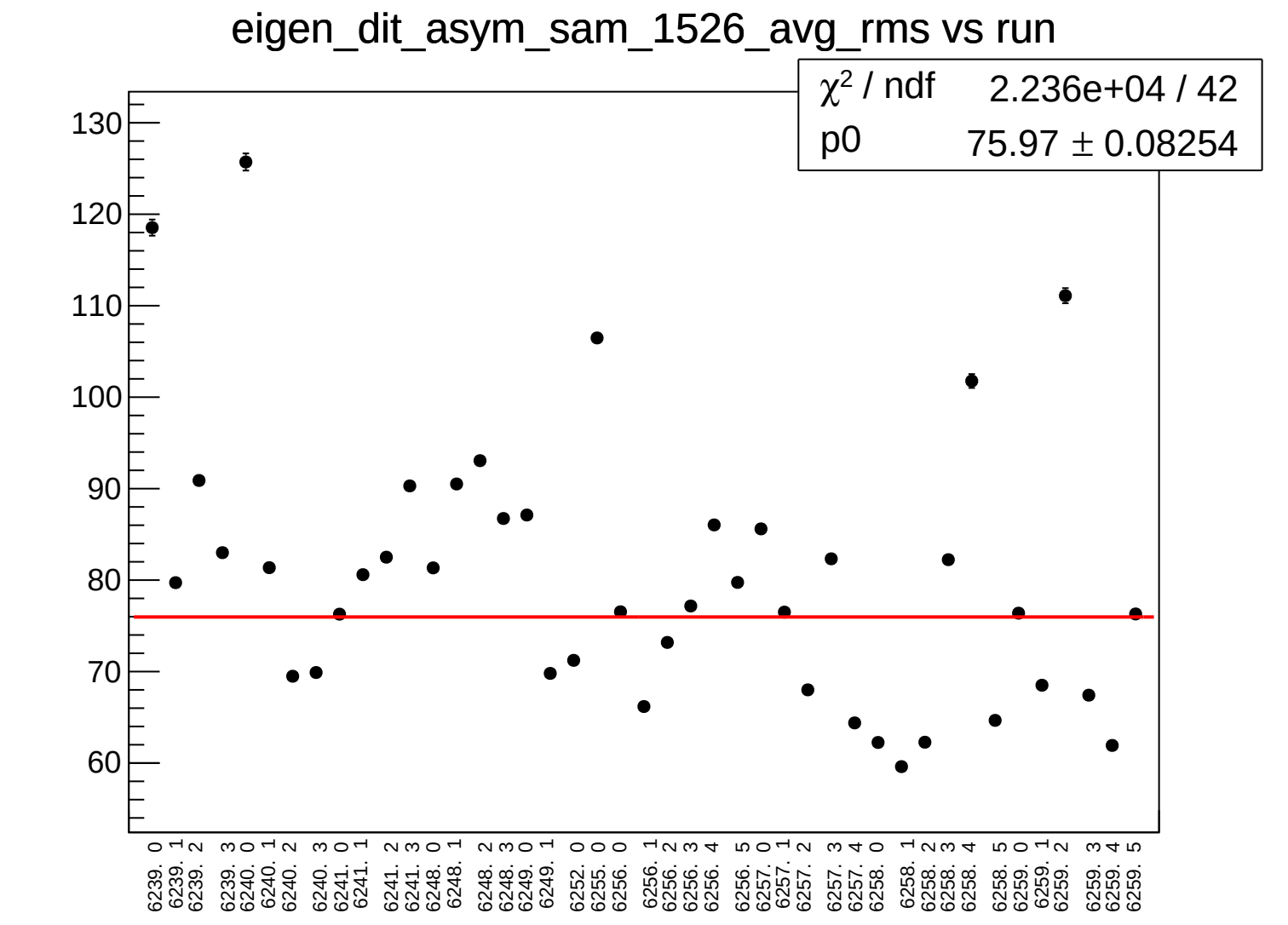

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.236e+04 / 42
p0 75.97 ± 0.08254
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

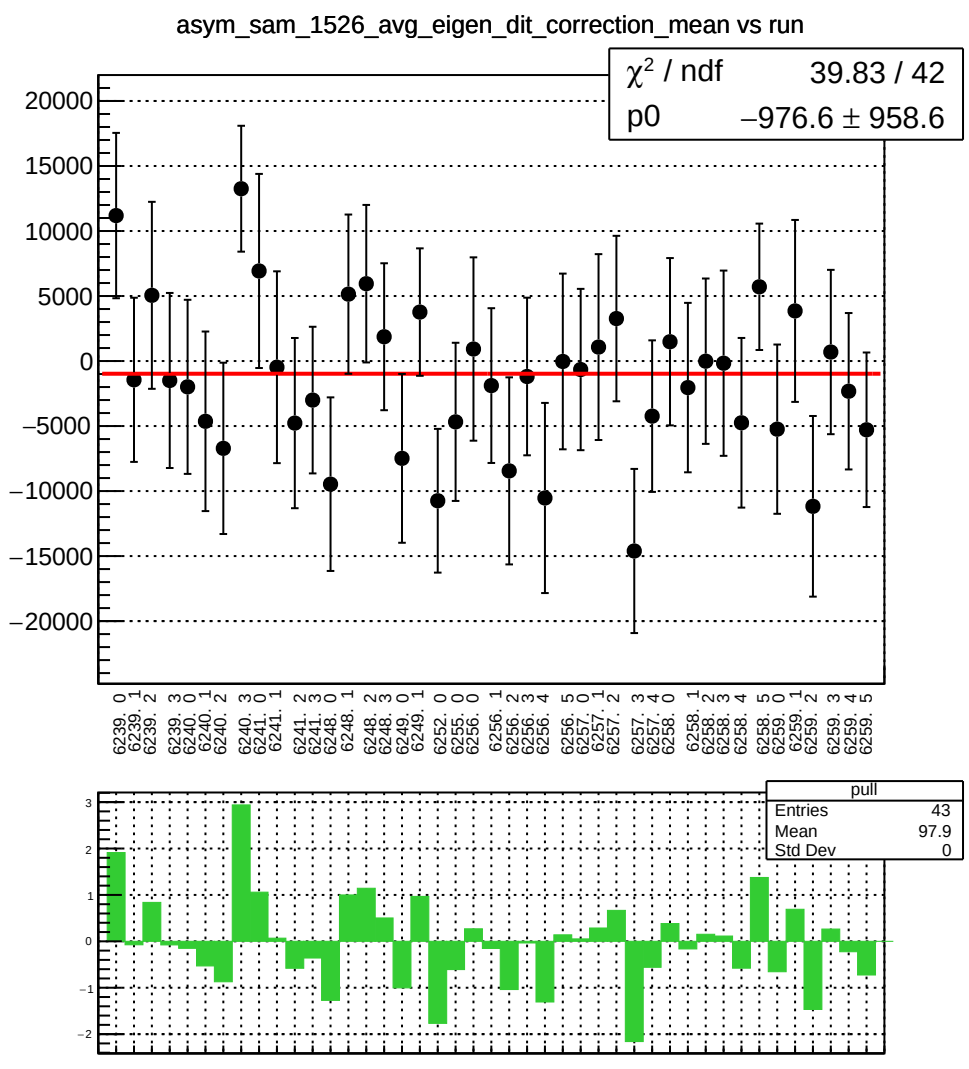

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 39.83 / 42
p0 −976.6 ± 958.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 97.9
Std Dev 0
3
2
1
0
−1
−2

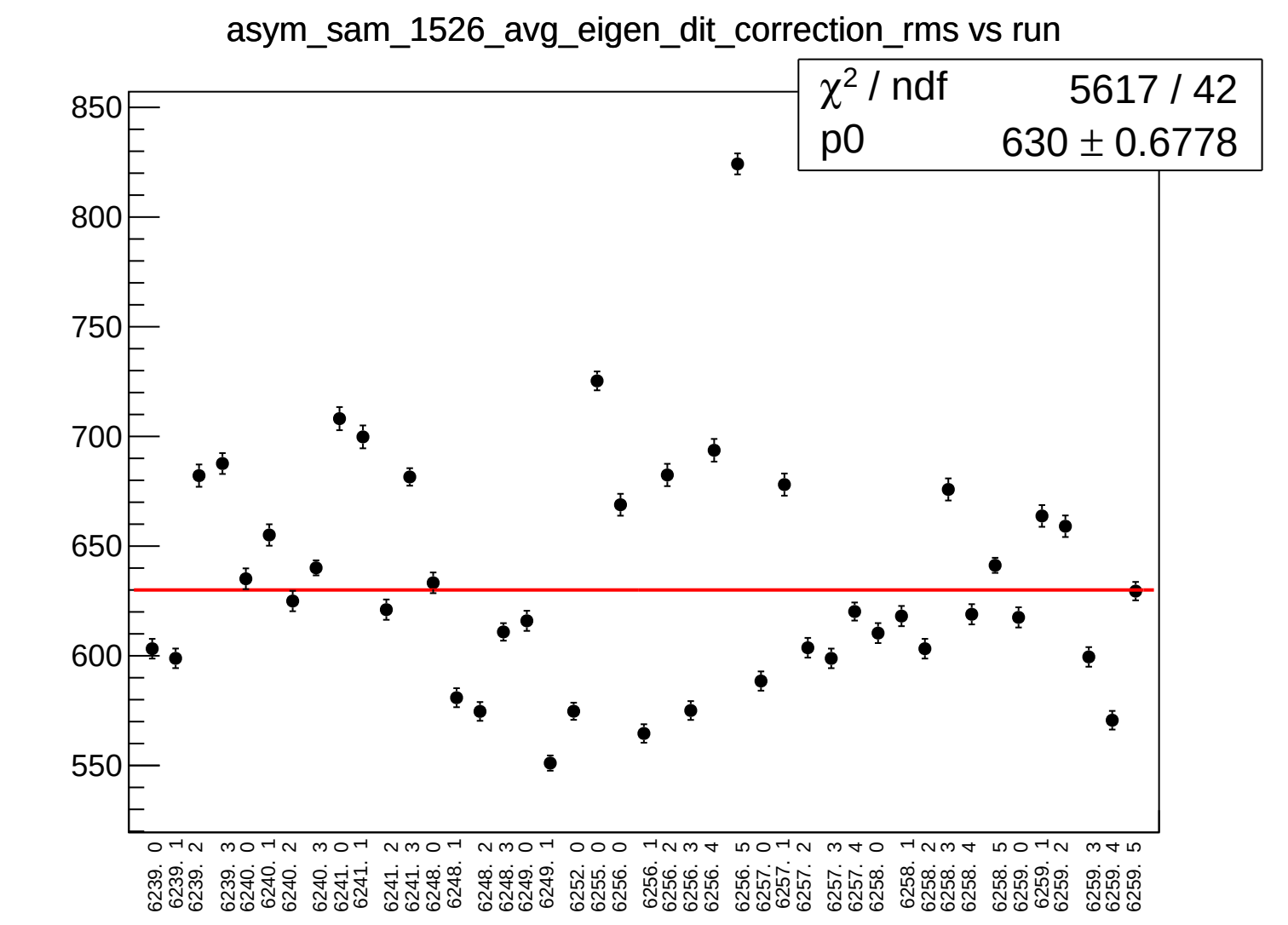

pull1D
Entries 43
Mean −0.03567
Std Dev 0.9618
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

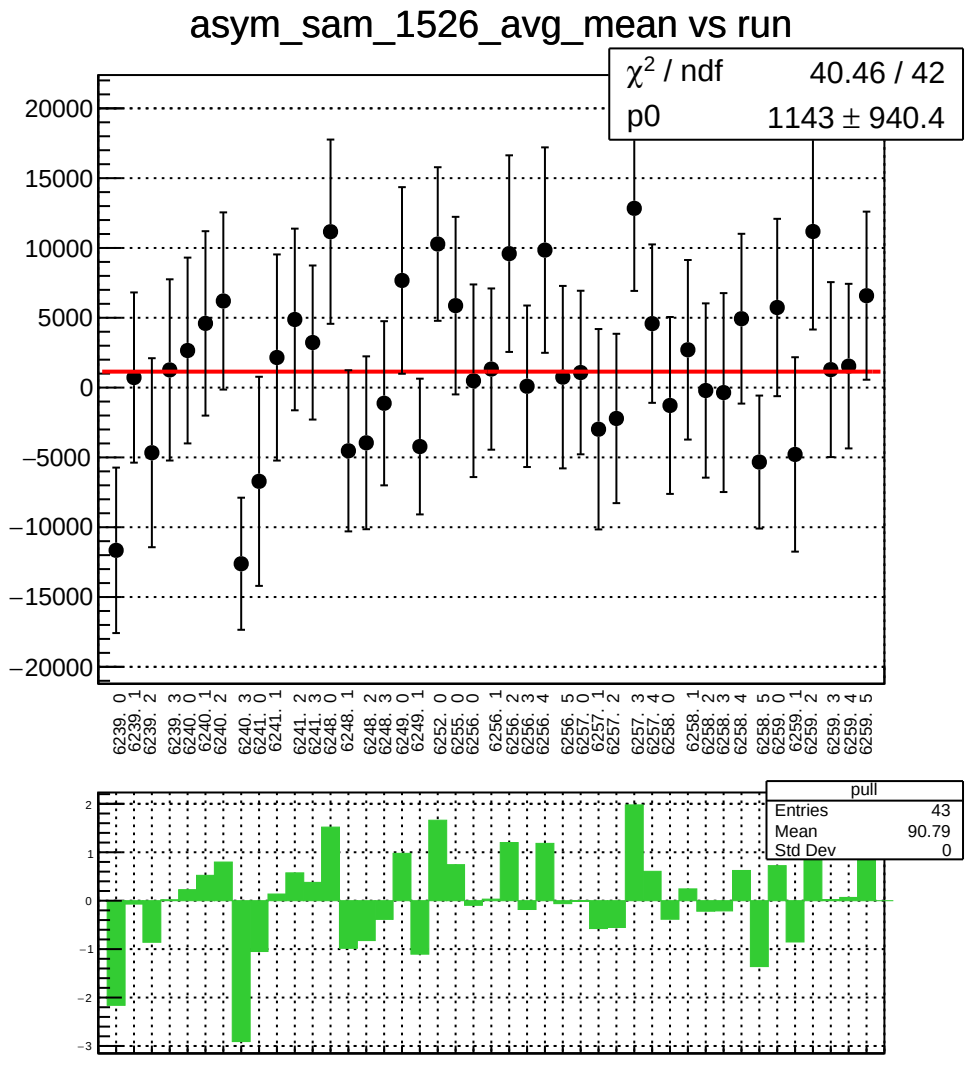

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 5617 / 42
p0 630 ± 0.6778
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

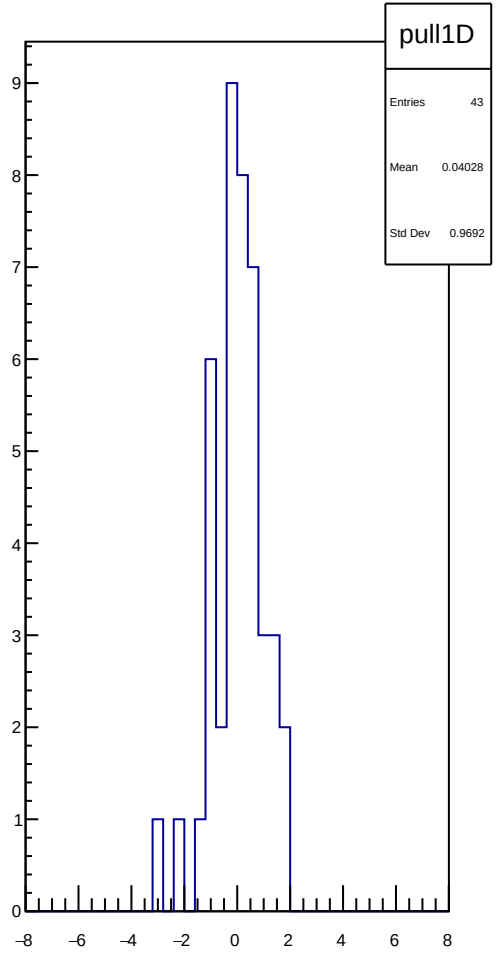

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 54.9 / 42
p0 217.6 ± 116.7
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 151.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.002959
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

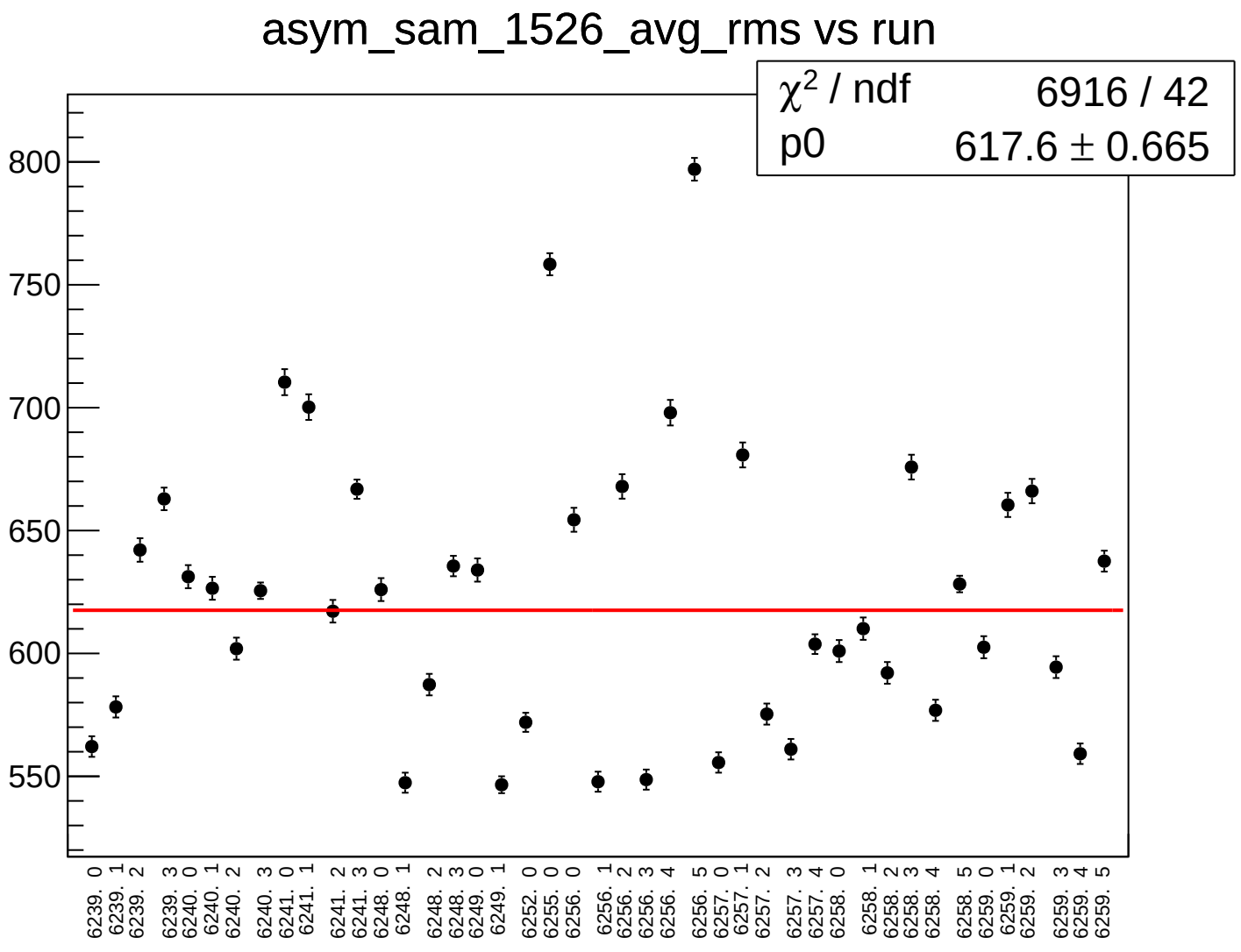

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.236e+04 / 42
p0 75.97 ± 0.08254
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

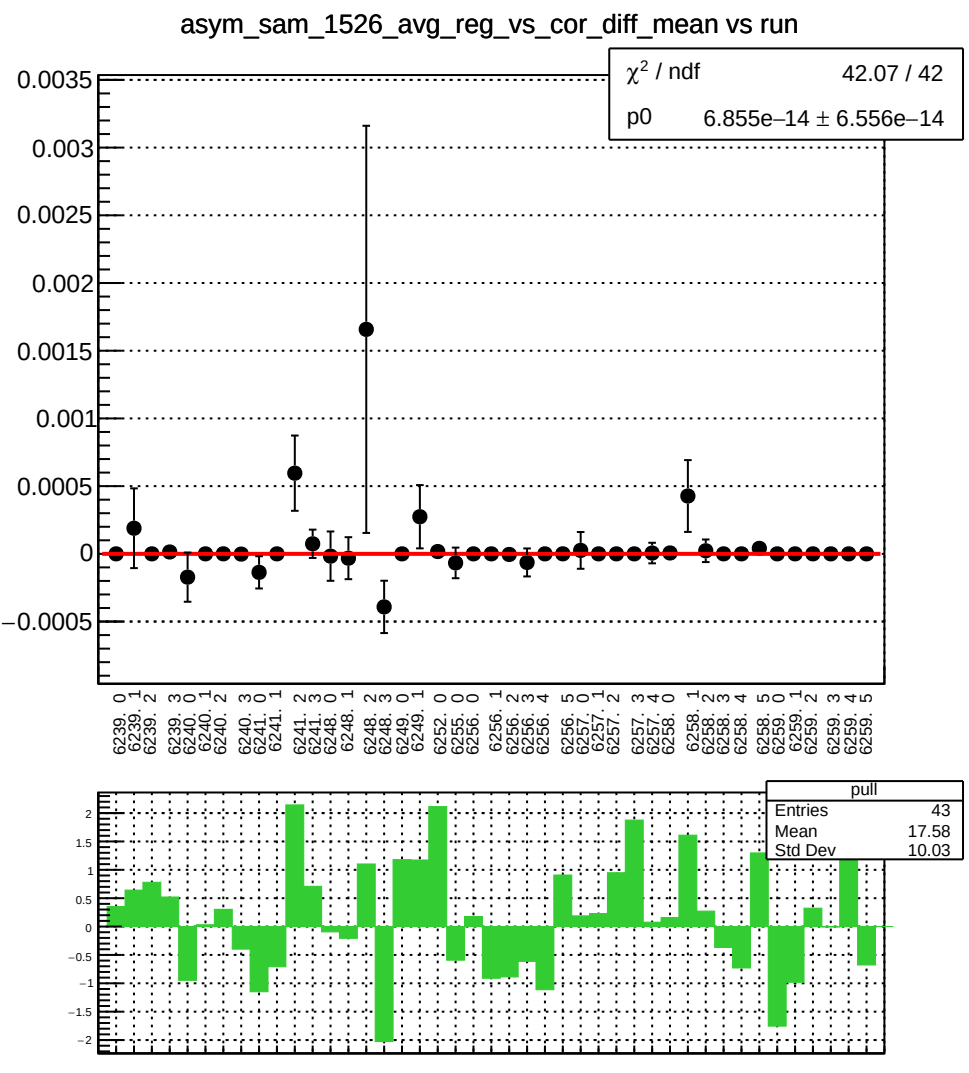

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 39.83 / 42
p0 −976.6 ± 958.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 97.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03567
Std Dev 0.9618
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

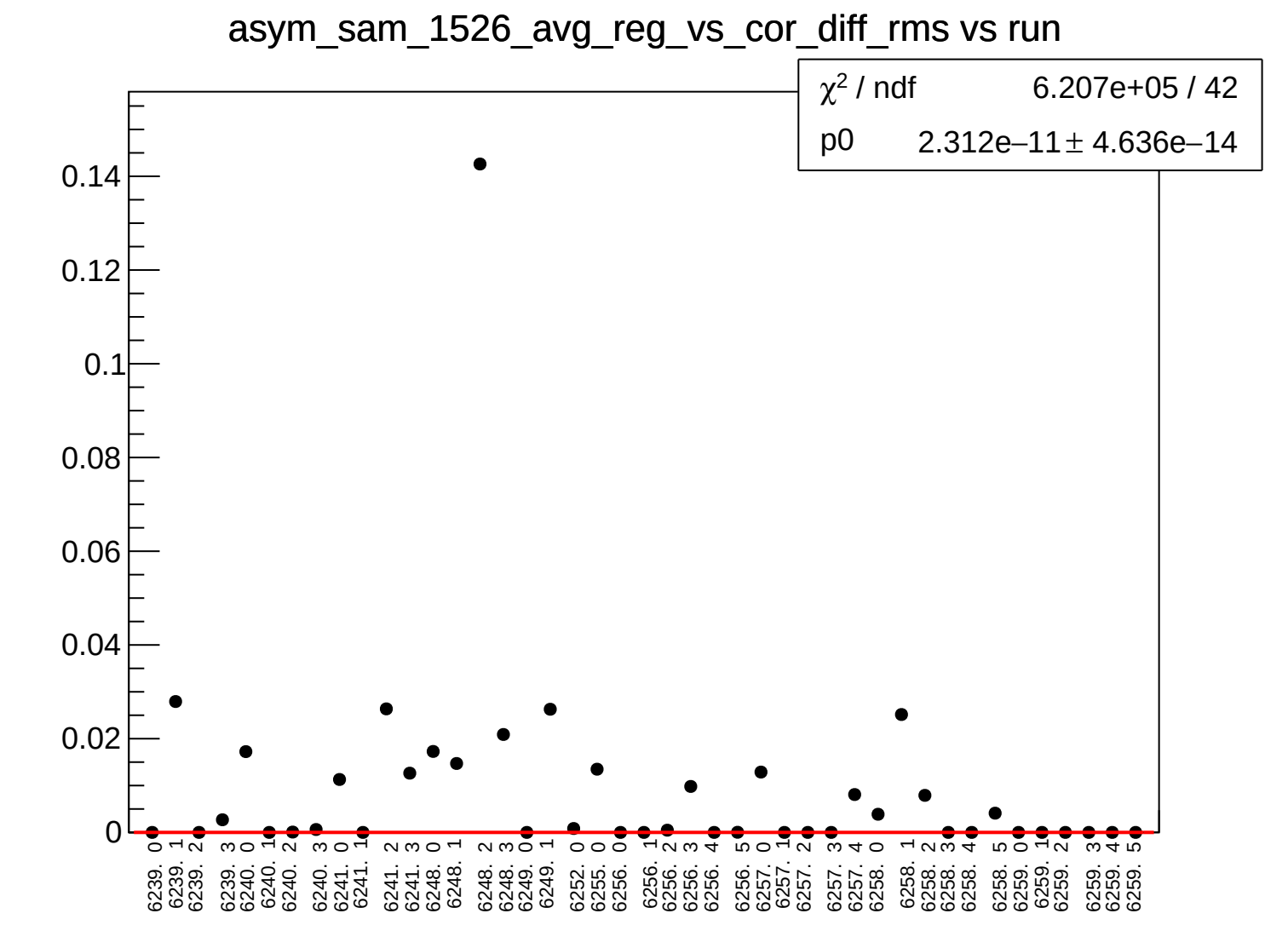

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 5617 / 42
p0 630 ± 0.6778
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

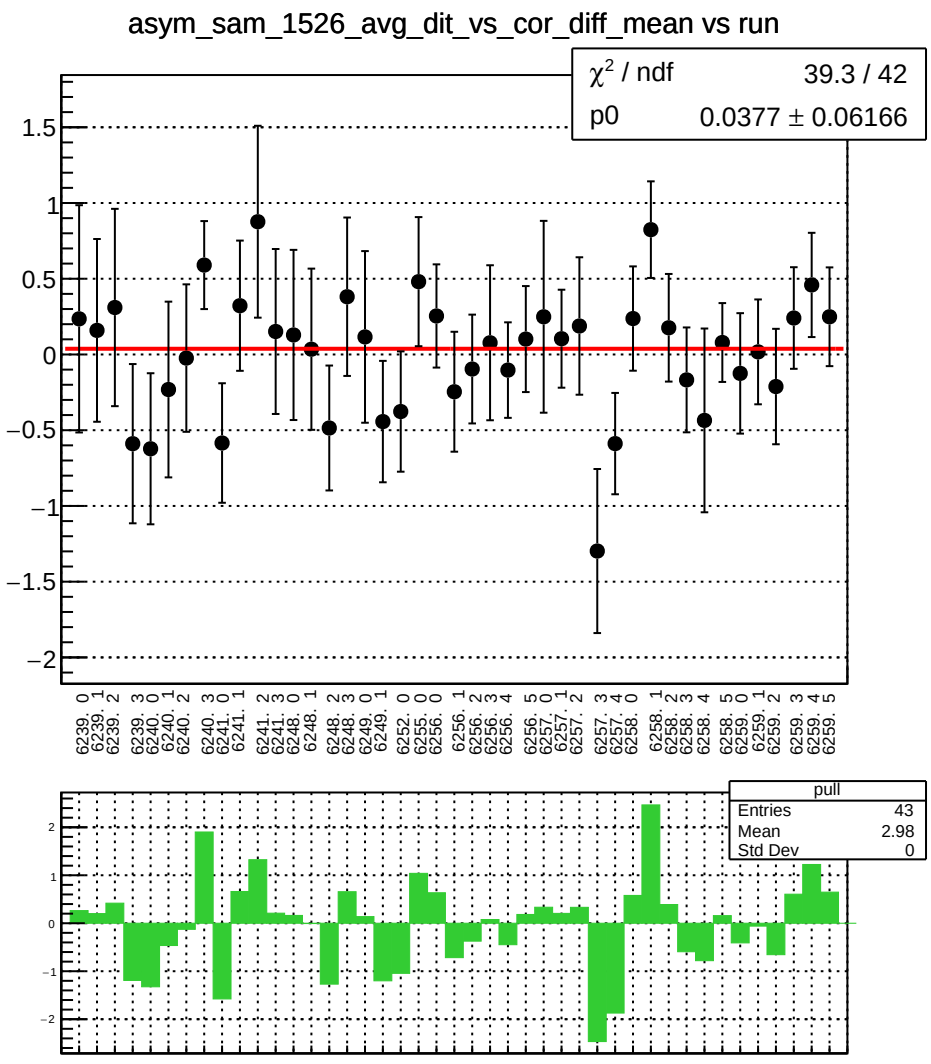

asym_sam_1526_avg_mean vs run
χ² / ndf 40.46 / 42
p0 1143 ± 940.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 90.79
Std Dev 0
2
1
0
−1
−2
−3

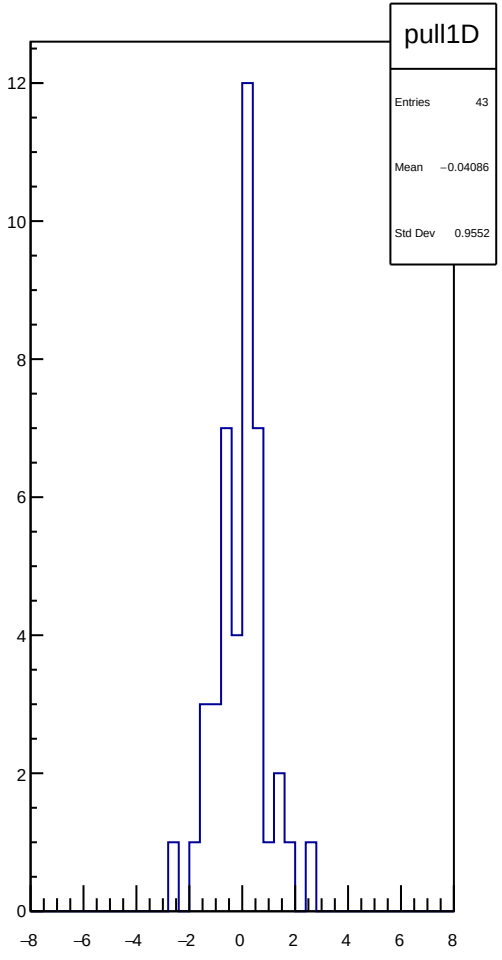

pull1D
Entries 43
Mean 0.04028
Std Dev 0.9692
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

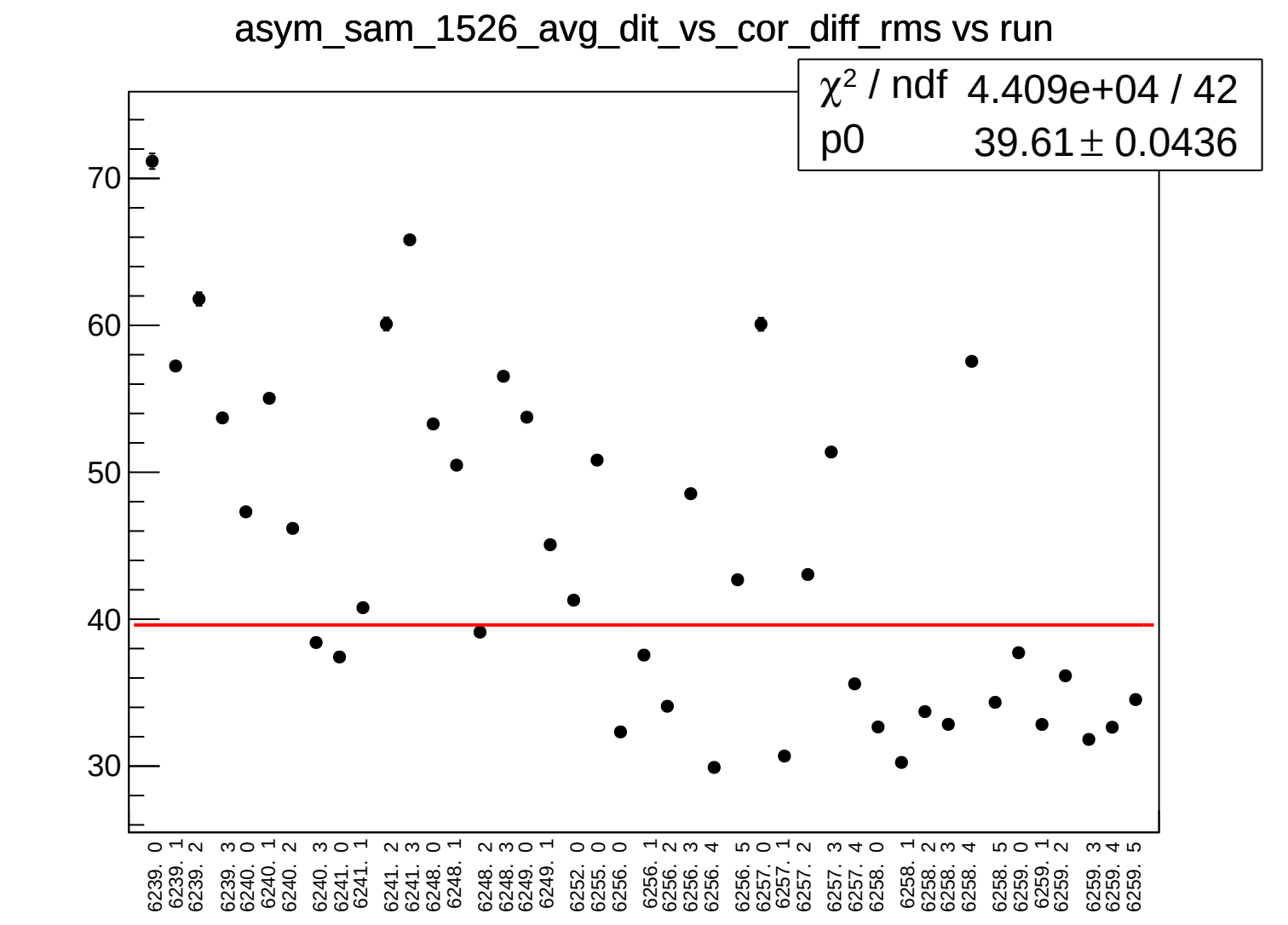

asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 6916 / 42
p0 617.6 ± 0.665
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

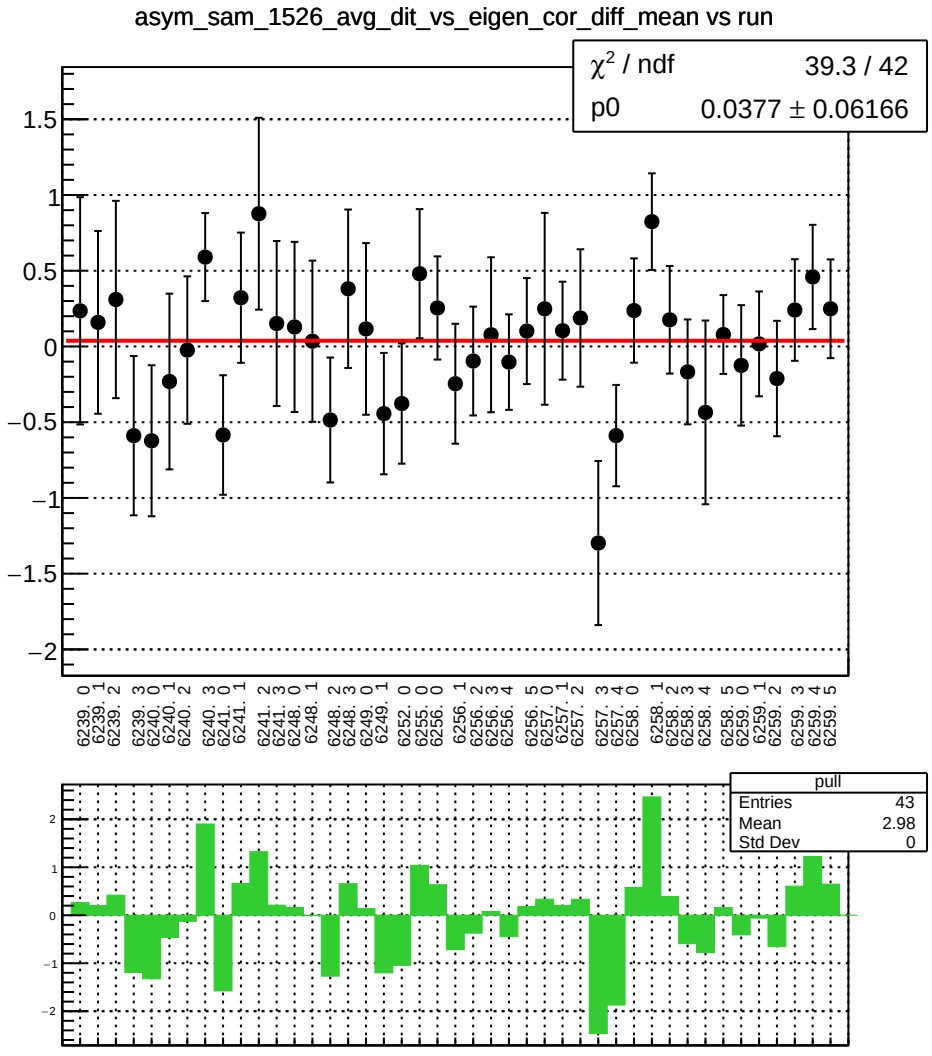

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.07 / 42
p0 6.855e−14 ± 6.556e−14
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 17.58
Std Dev 10.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.1426
Std Dev 0.9788
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

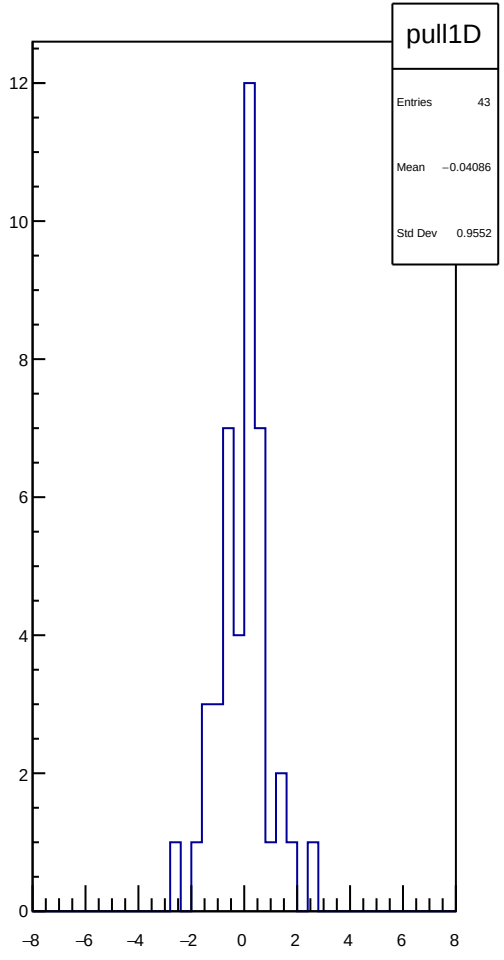

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.207e+05 / 42
p0 2.312e−11 ± 4.636e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

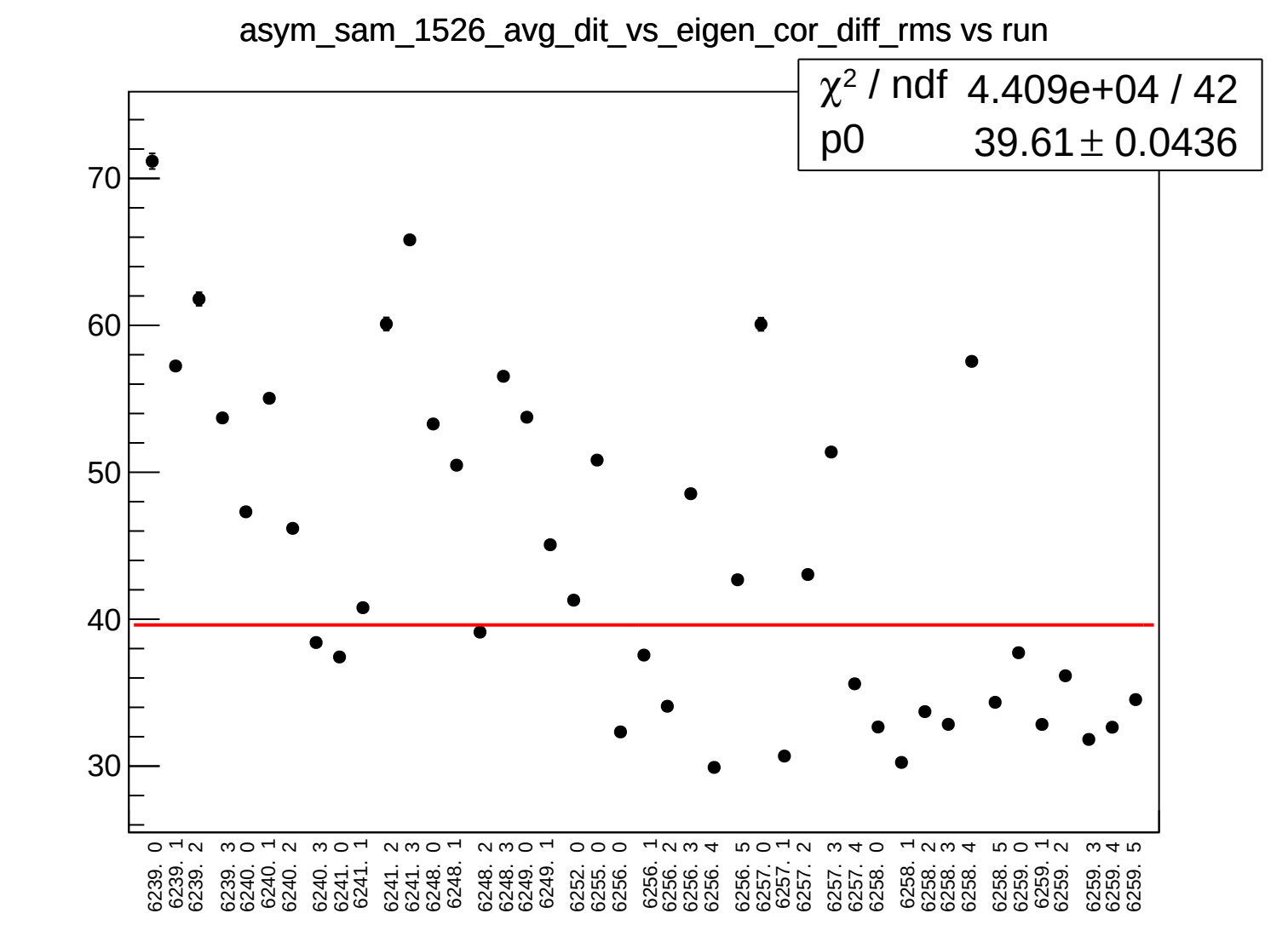

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.3 / 42
p0 0.0377 ± 0.06166
pull
Entries 43
Mean 2.98
Std Dev 0

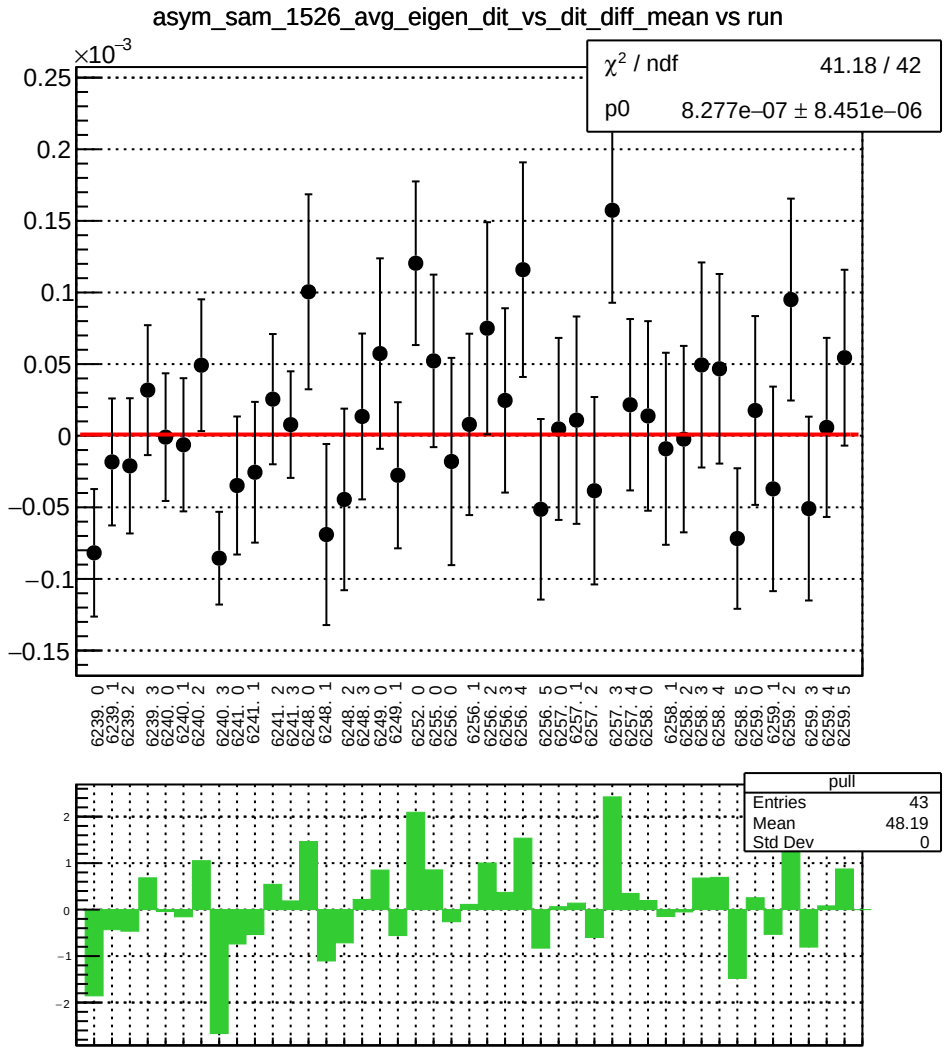

pull1D
Entries 43
Mean −0.04086
Std Dev 0.9552

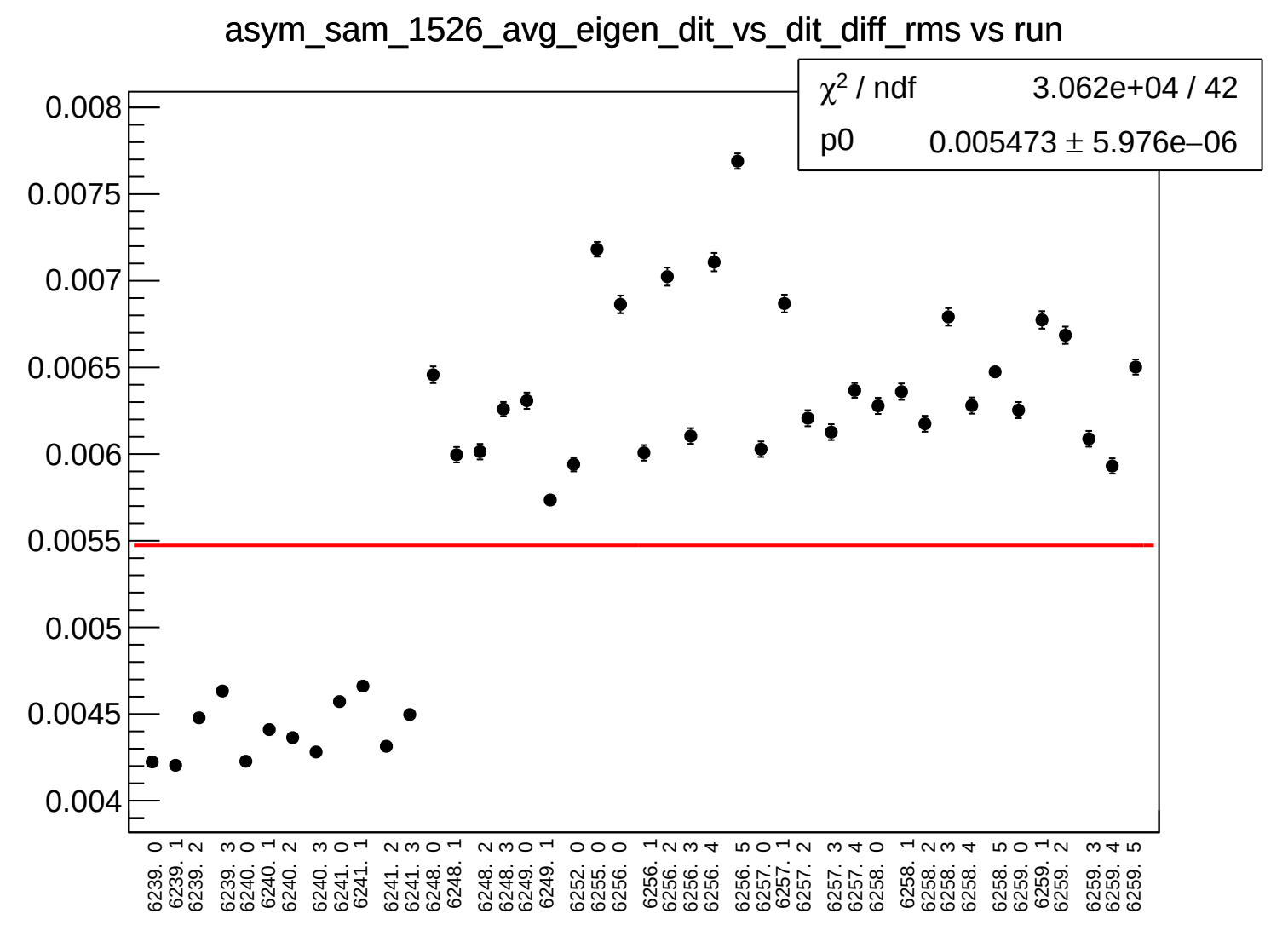

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.409e+04 / 42
p0 39.61 ± 0.0436
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

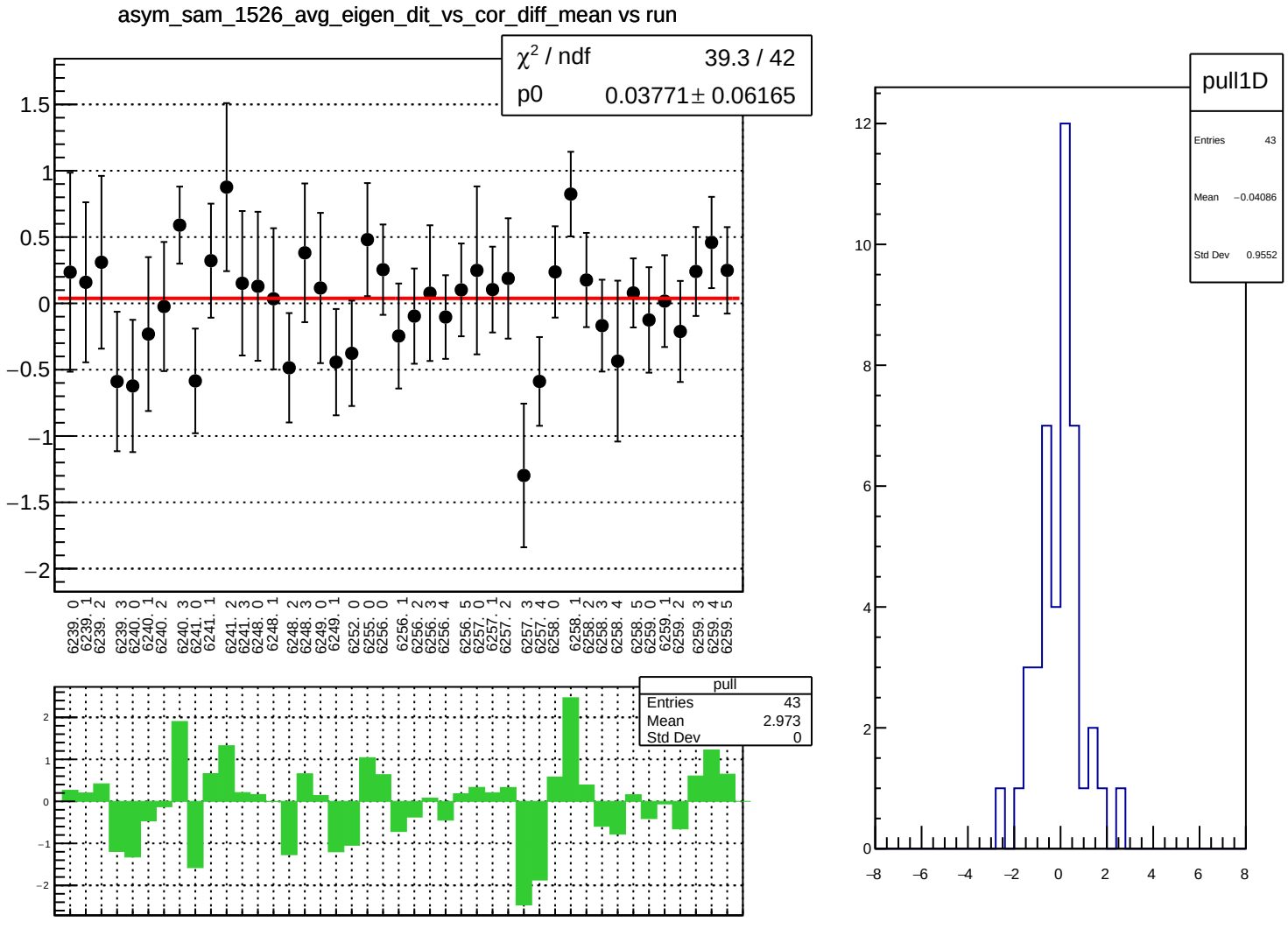

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.3 / 42
p0 0.0377 ± 0.06166
pull
Entries 43
Mean 2.98
Std Dev 0

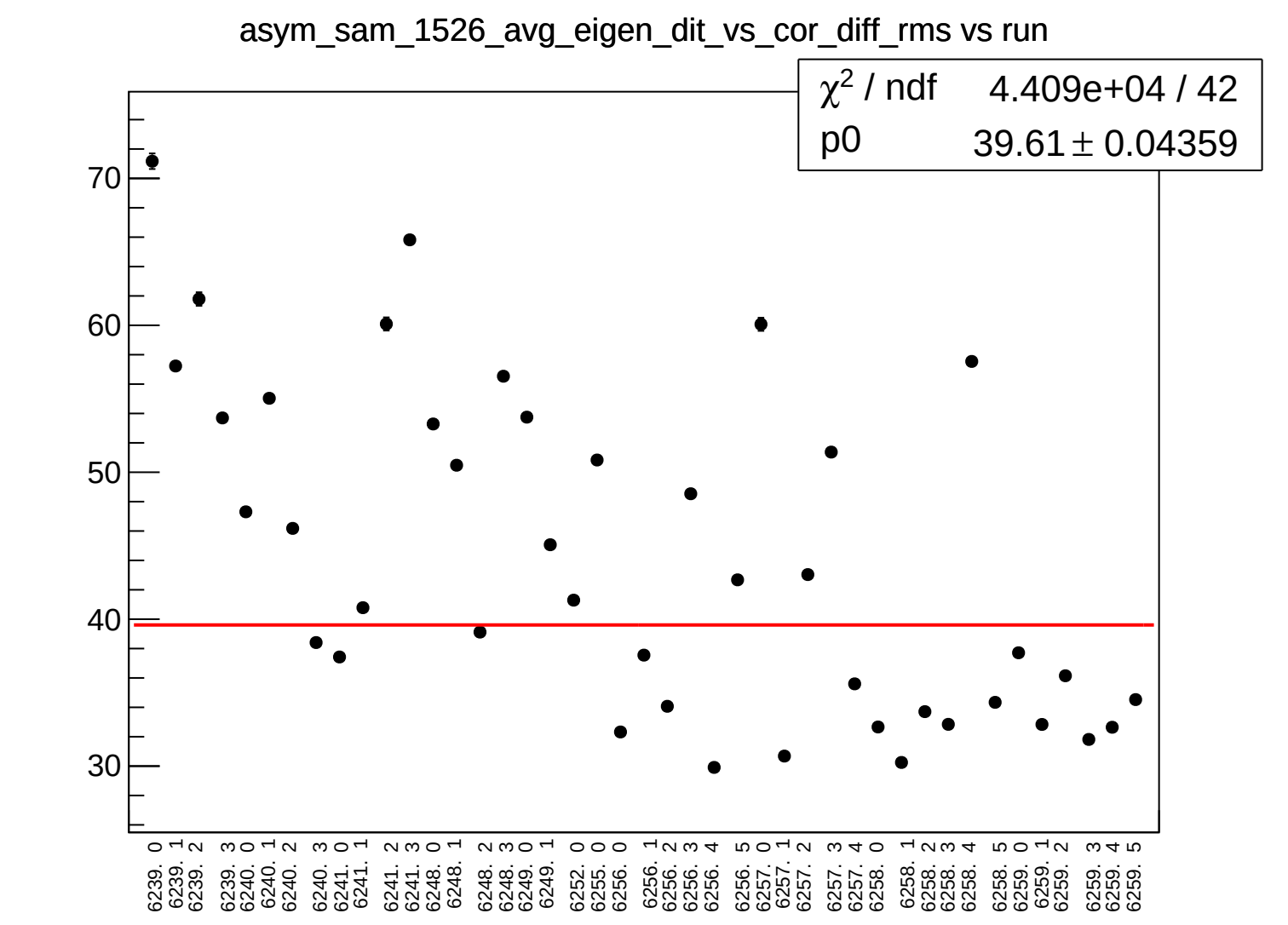

pull1D
Entries 43
Mean −0.04086
Std Dev 0.9552

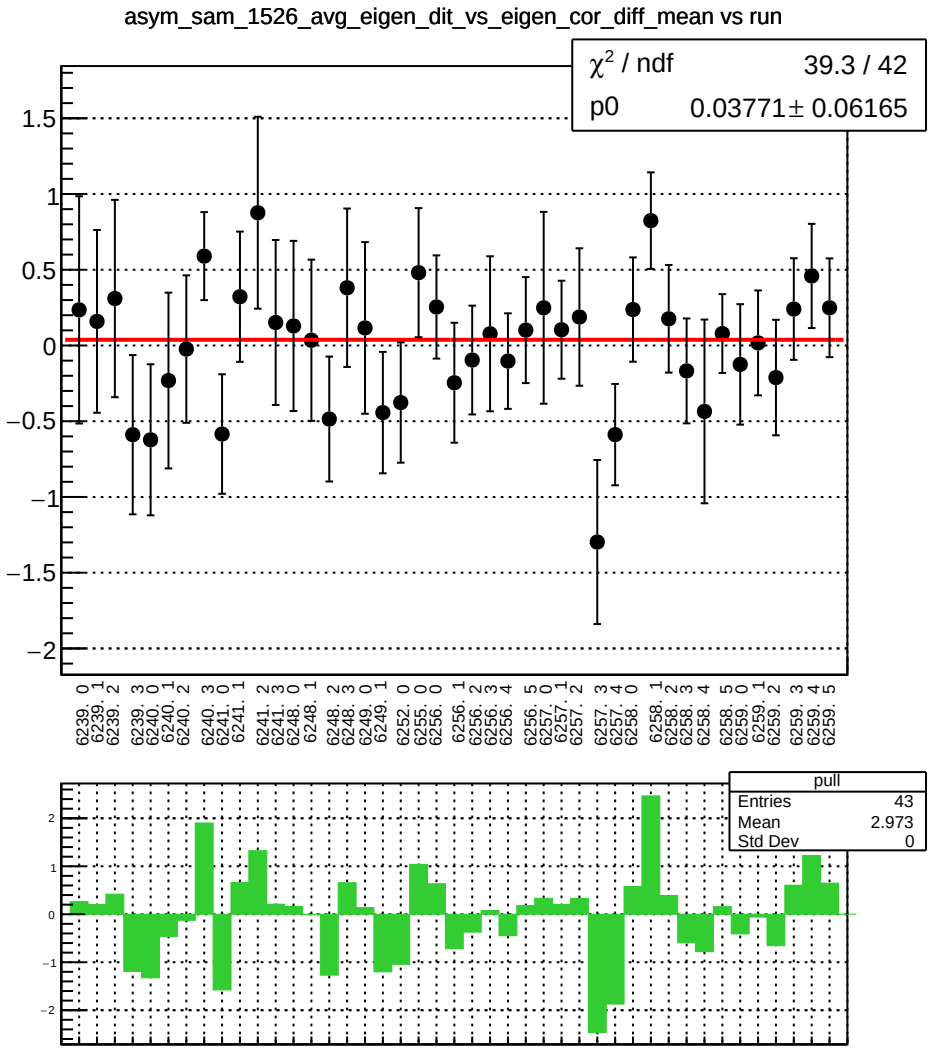

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.409e+04 / 42
p0 39.61 ± 0.0436
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

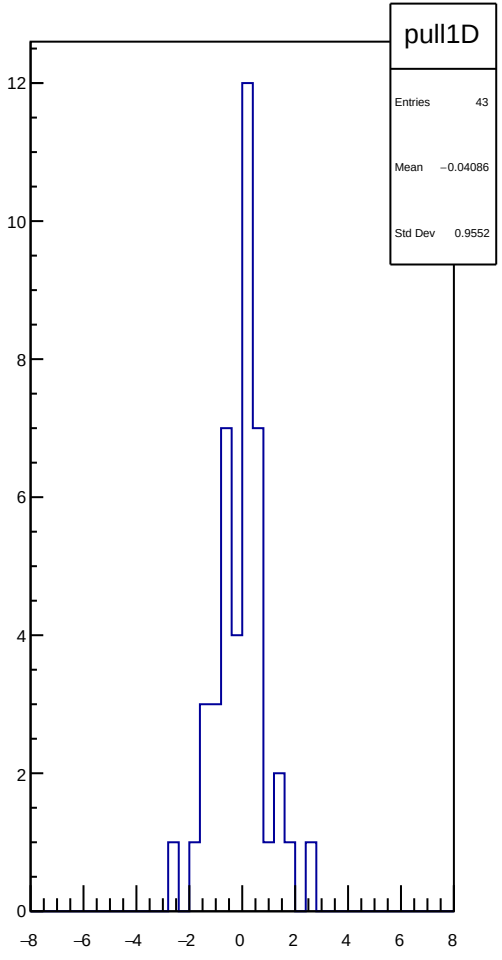

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.18 / 42
p0 8.277e−07 ± 8.451e−06
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.19
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.09492
Std Dev 0.974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

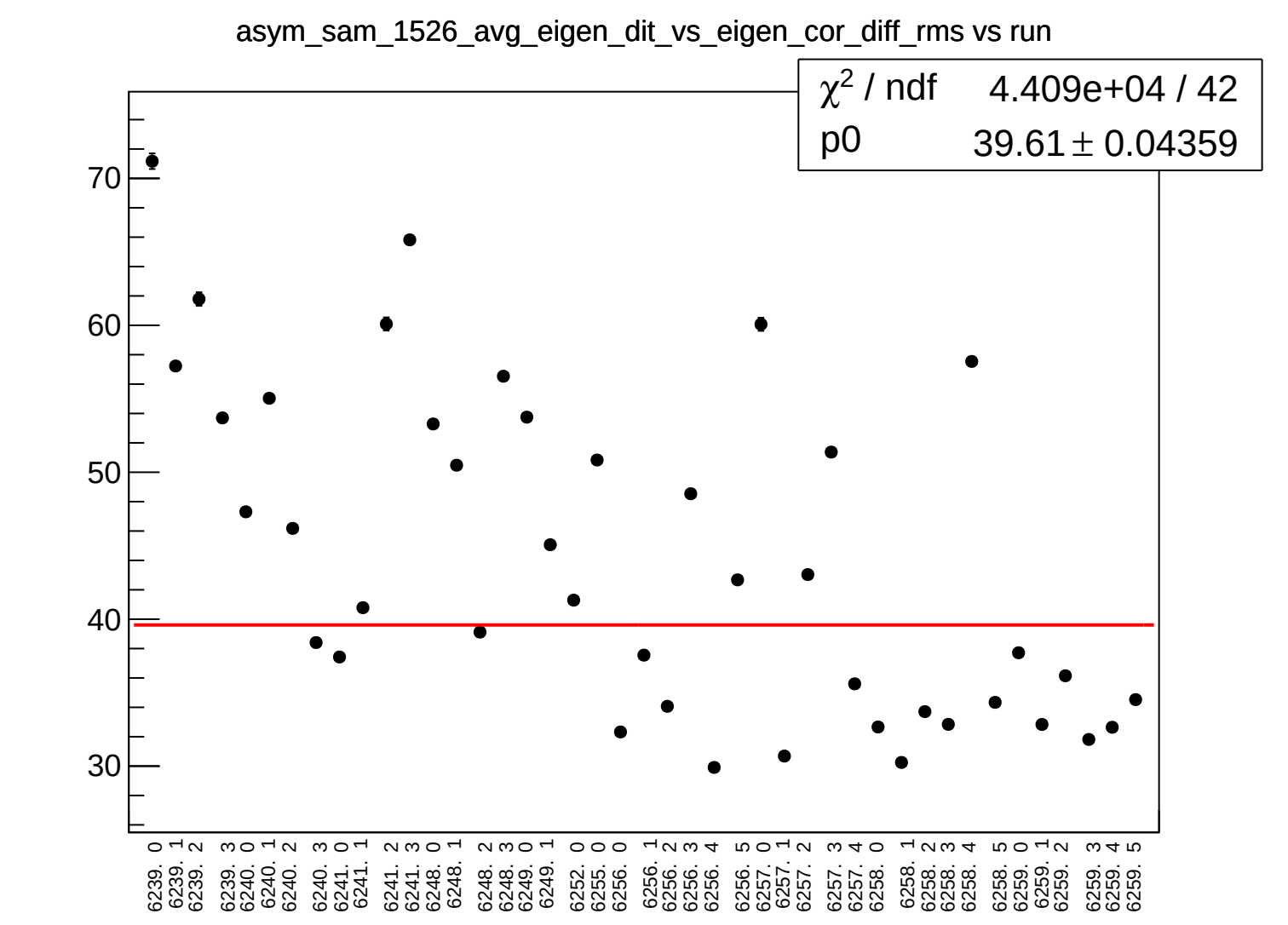

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.062e+04 / 42
p0 0.005473 ± 5.976e−06
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

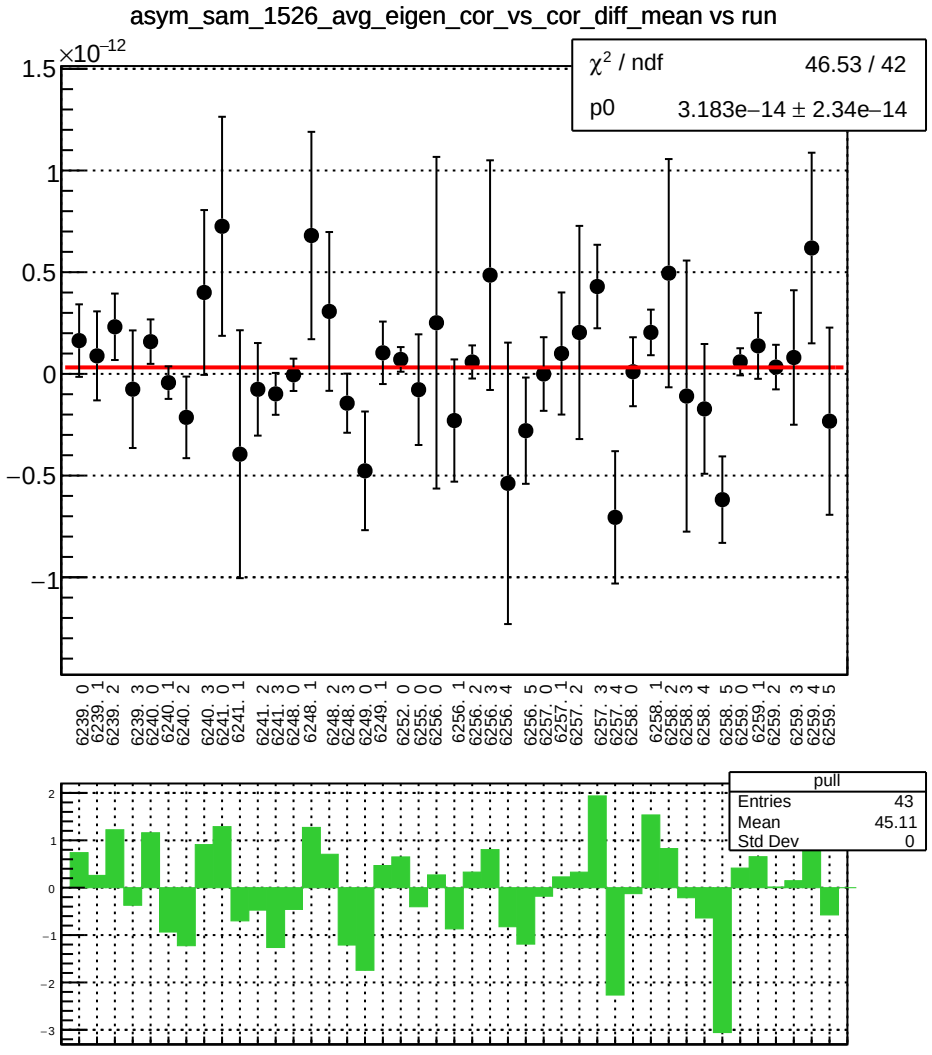

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.3 / 42
p0 0.03771 ± 0.06165
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2.973
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04086
Std Dev 0.9552
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

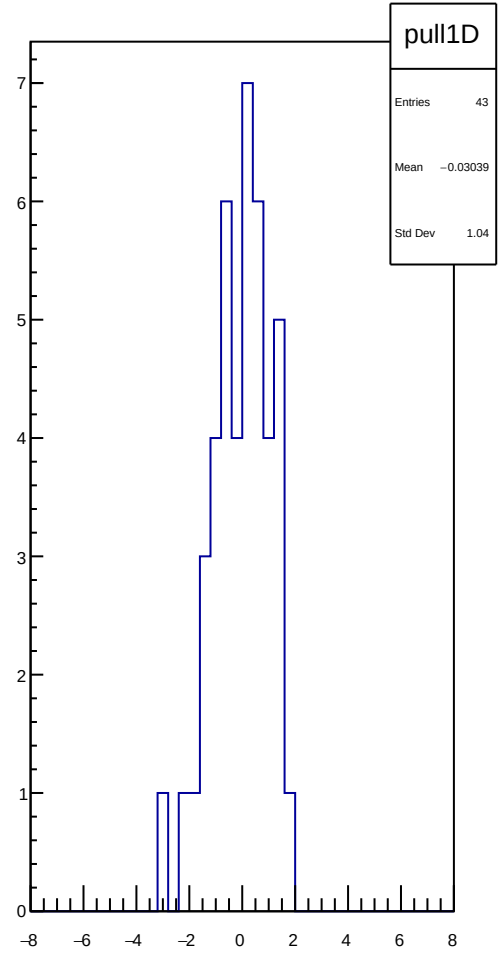

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 4.409e+04 / 42
p0 39.61 ± 0.04359
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

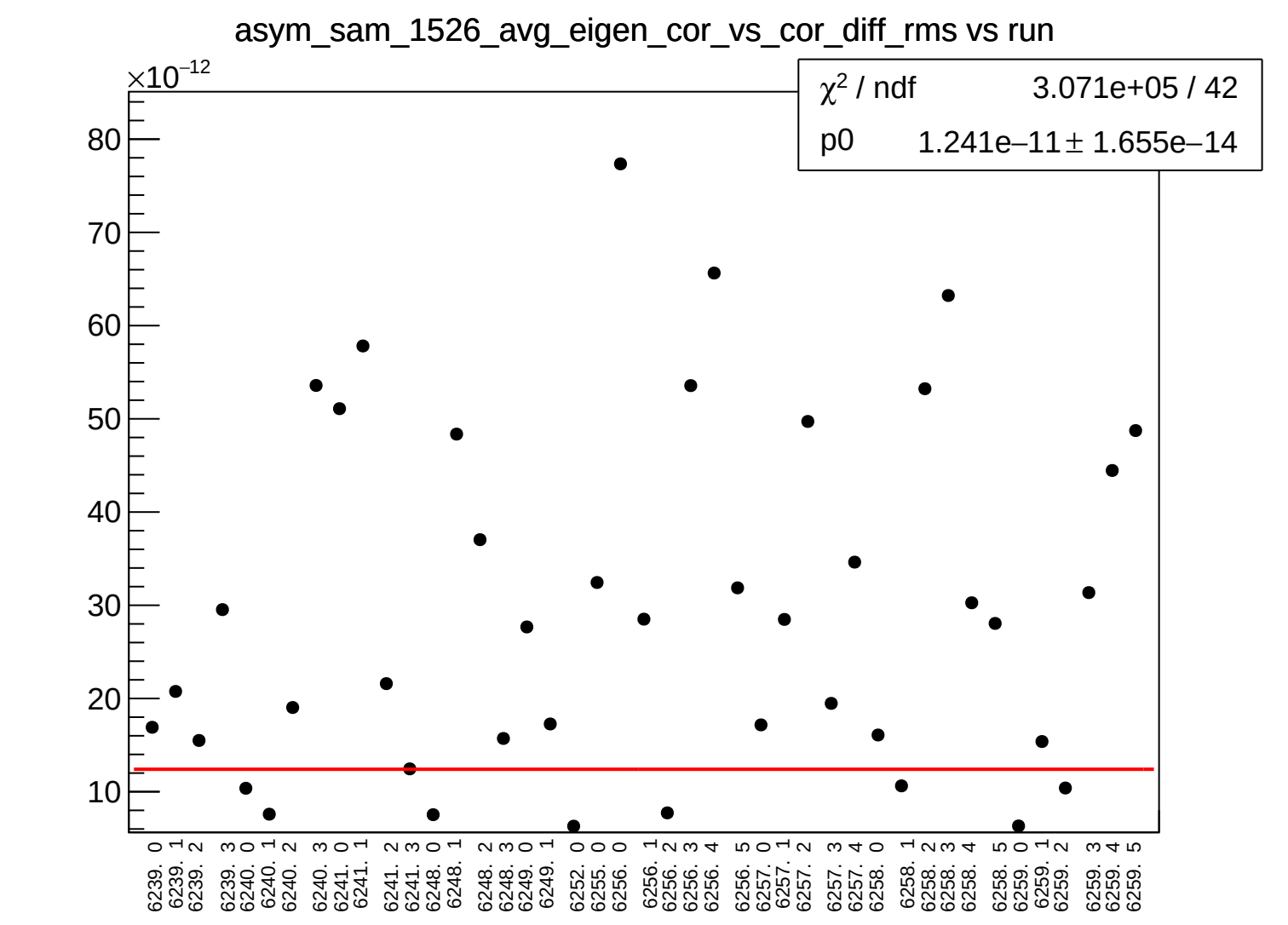

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.3 / 42
p0 0.03771± 0.06165
pull
Entries 43
Mean 2.973
Std Dev 0

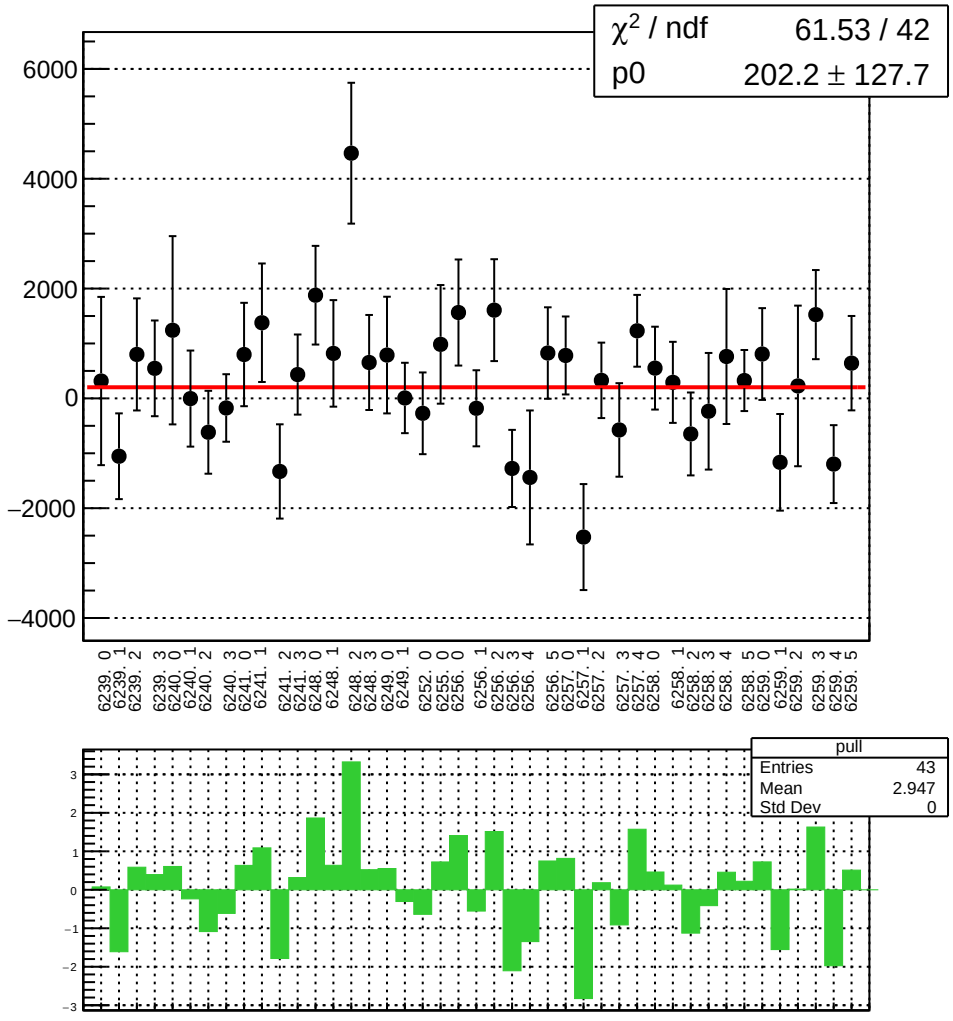

pull1D
Entries 43
Mean −0.04086
Std Dev 0.9552

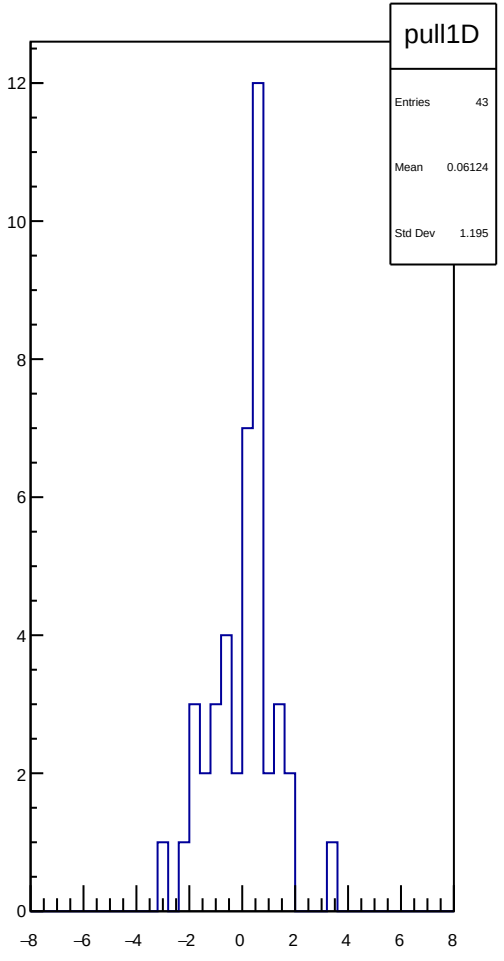

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 4.409e+04 / 42
p0 39.61 ± 0.04359
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

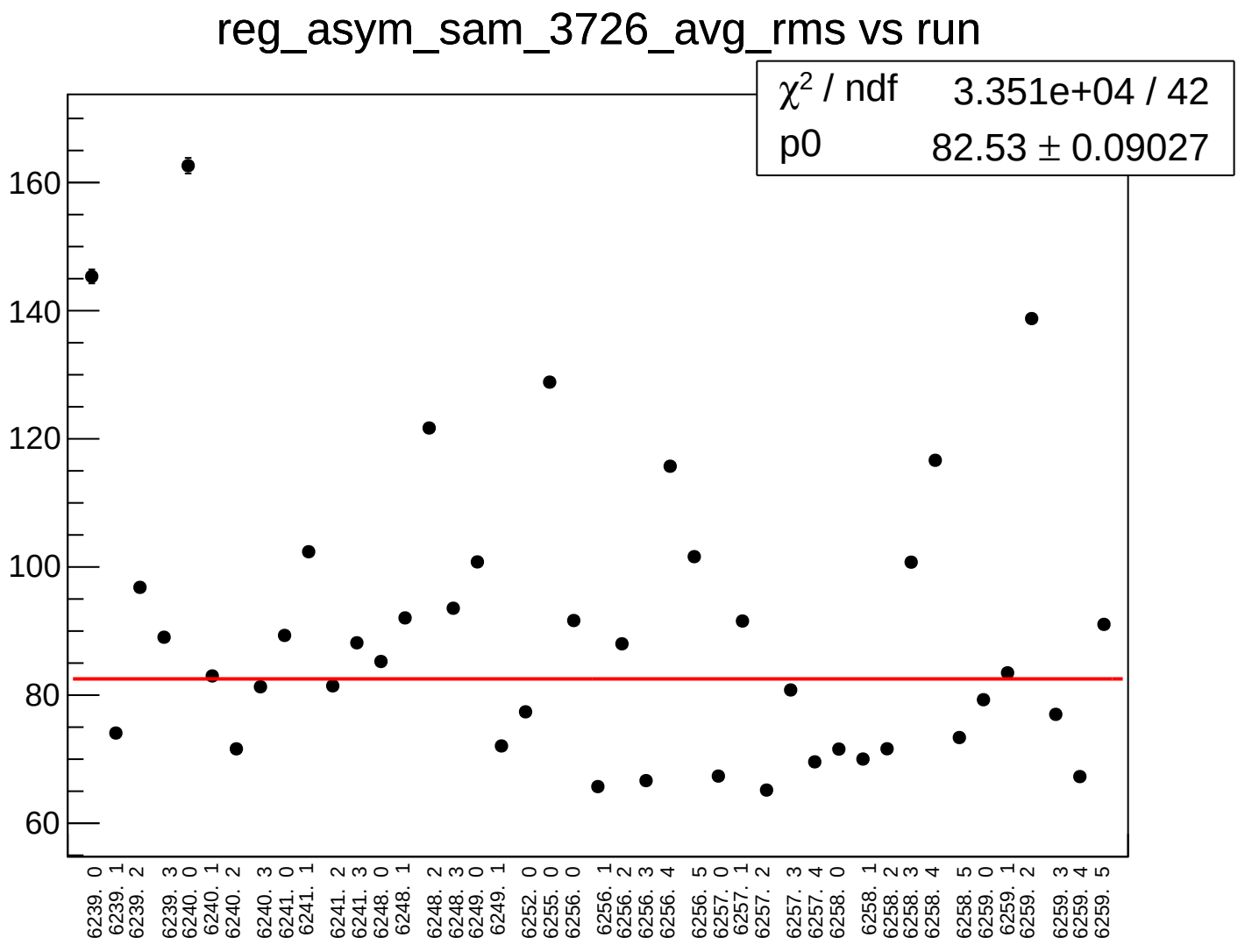

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.53 / 42
p0 3.183e−14 ± 2.34e−14
1.5
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 45.11
Std Dev 0
2
1
0
−1
−2
−3

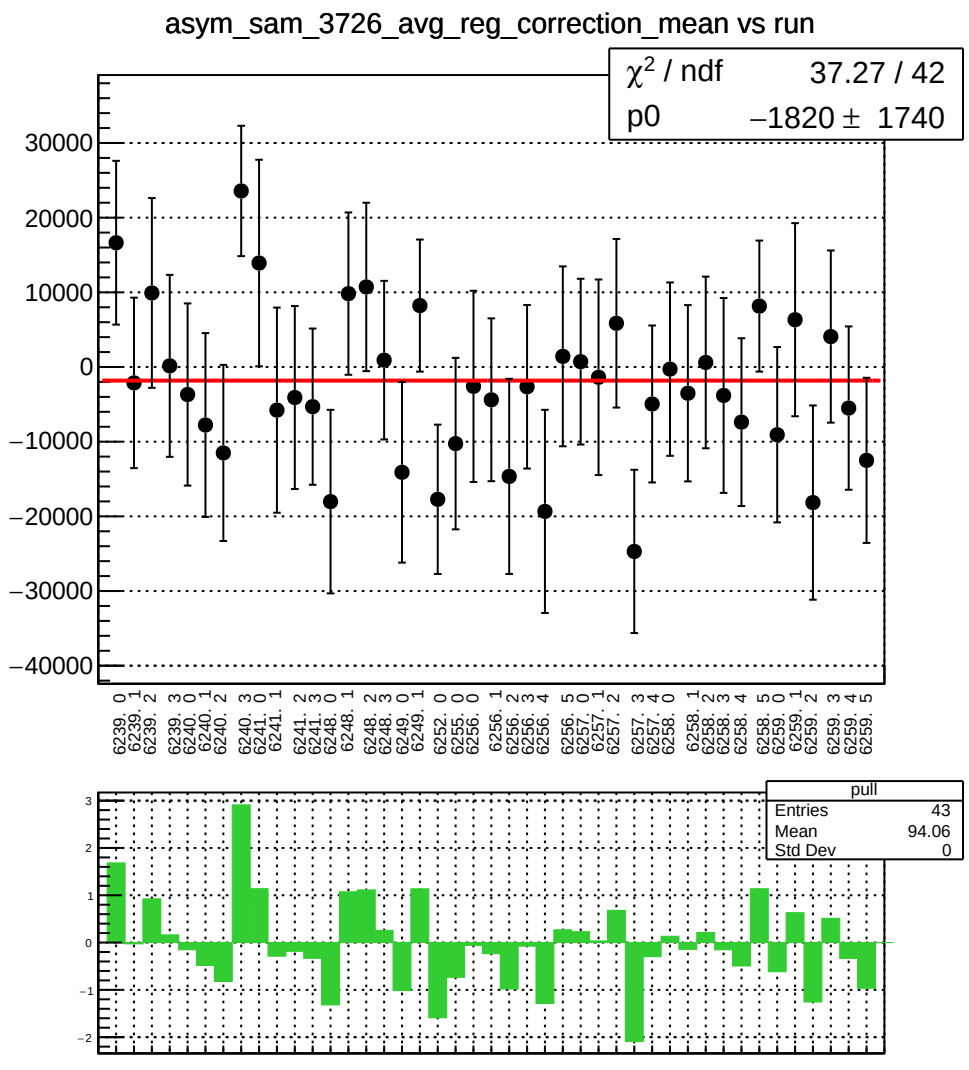

pull1D
Entries 43
Mean −0.03039
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

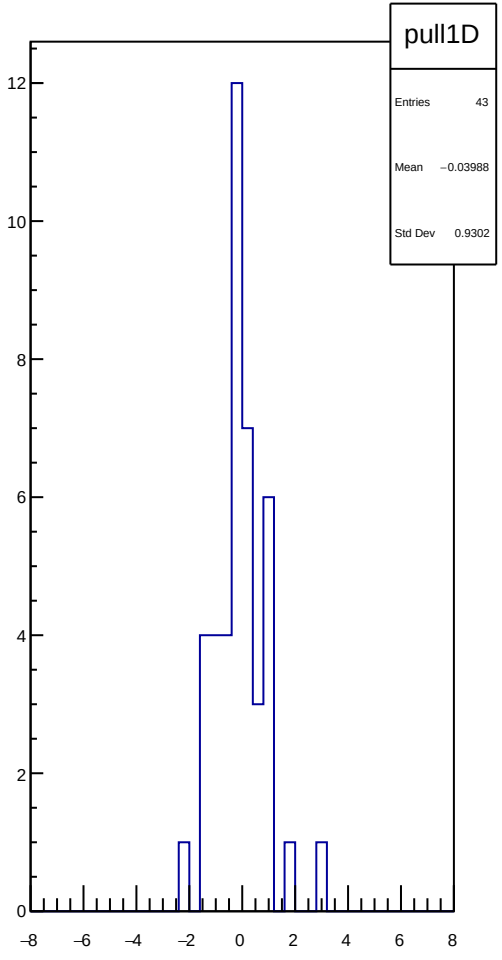

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 3.071e+05 / 42
p0 1.241e−11 ± 1.655e−14
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

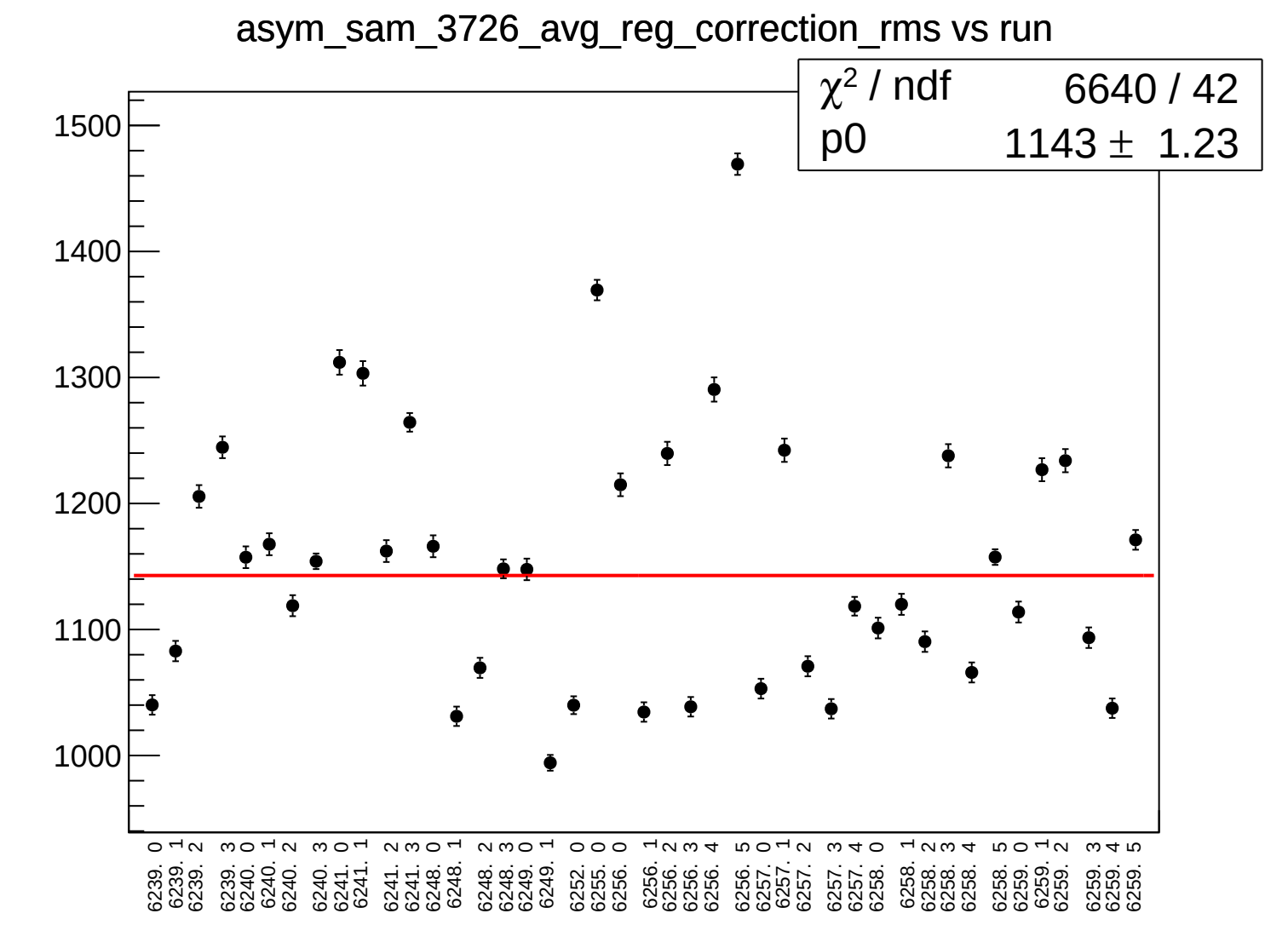

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 61.53 / 42
p0 202.2 ± 127.7
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2.947
Std Dev 0
3
2
1
0
−1
−2
−3

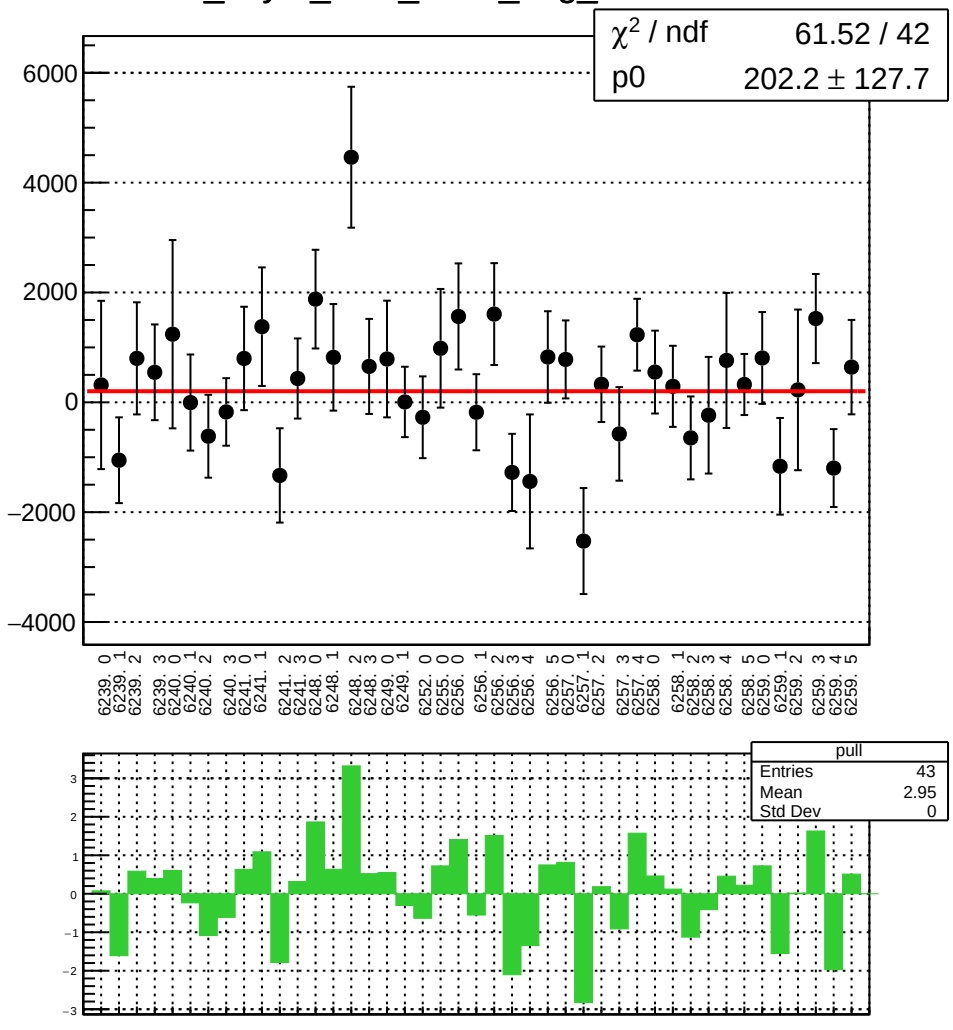

pull1D
Entries 43
Mean 0.06124
Std Dev 1.195
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

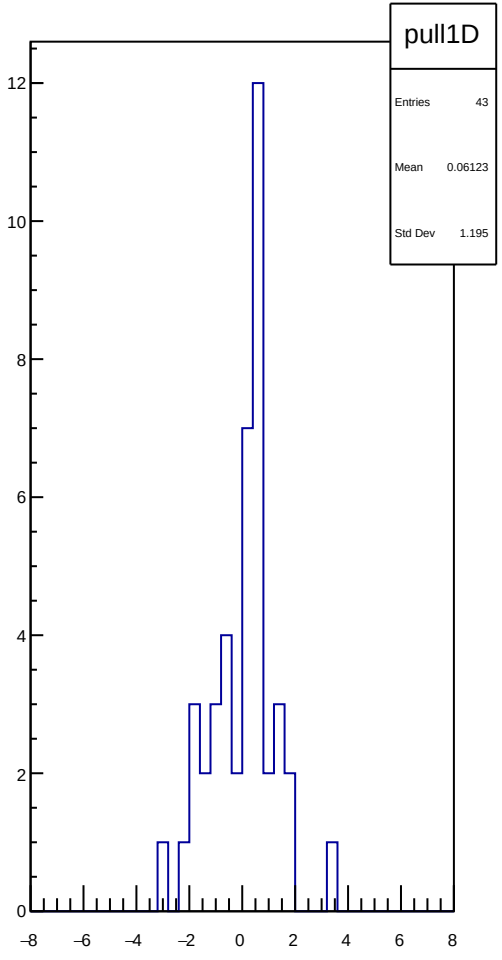

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 3.351e+04 / 42
p0 82.53 ± 0.09027
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

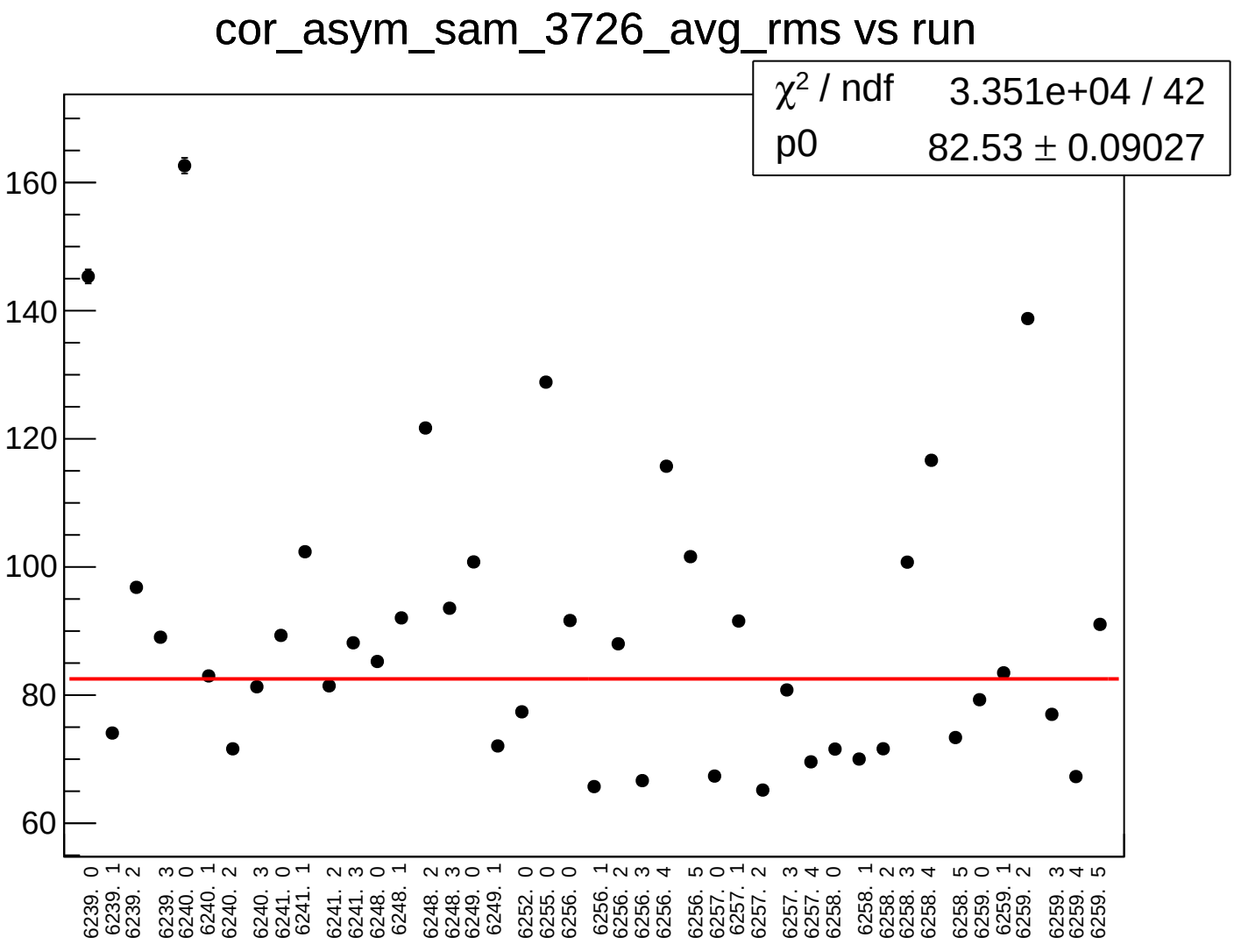

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 37.27 / 42
p0 −1820 ± 1740
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.06
Std Dev 0
3
2
1
0
−1
−2

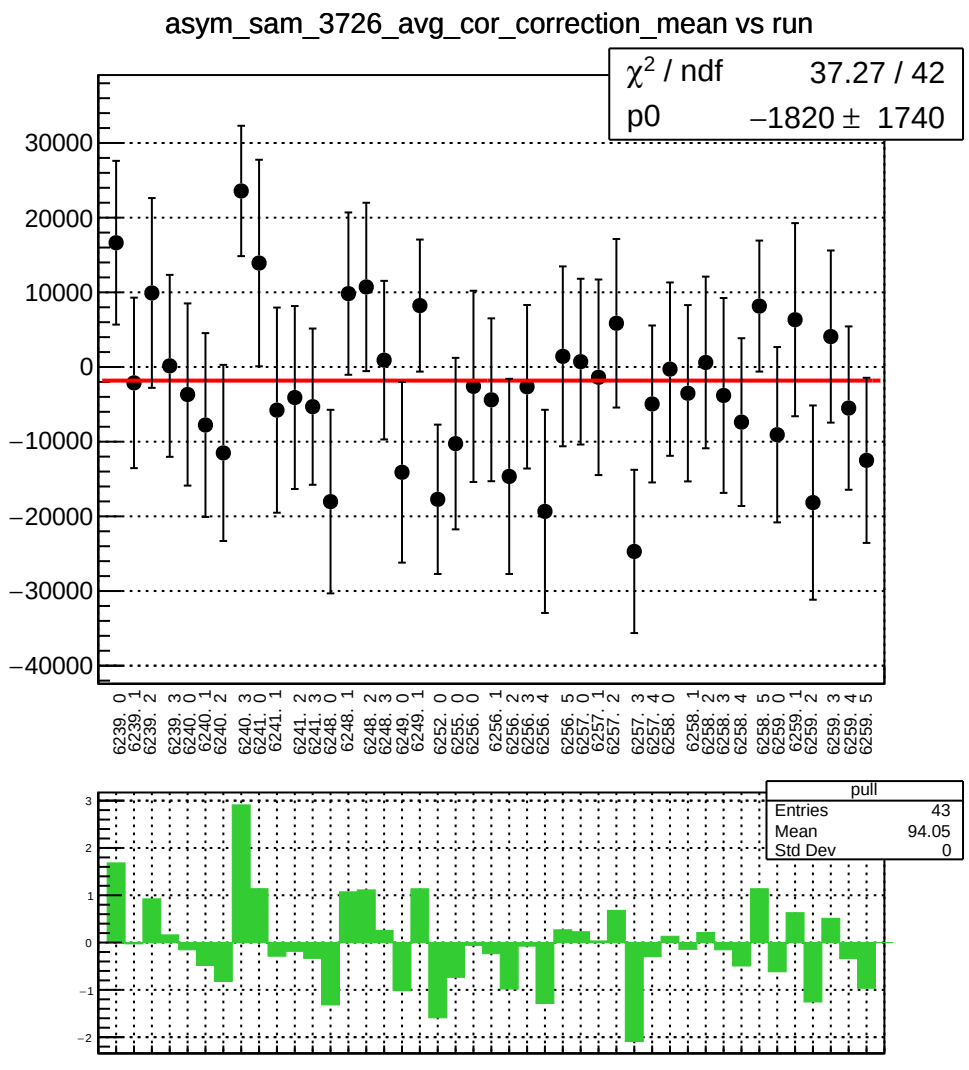

pull1D
Entries 43
Mean −0.03988
Std Dev 0.9302
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

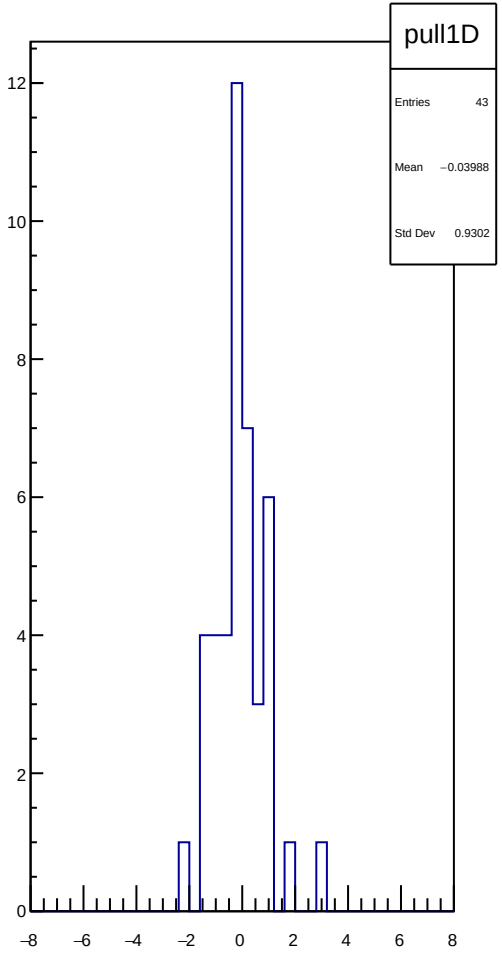

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 6640 / 42
p0 1143 ± 1.23
1500
1400
1300
1200
1100
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

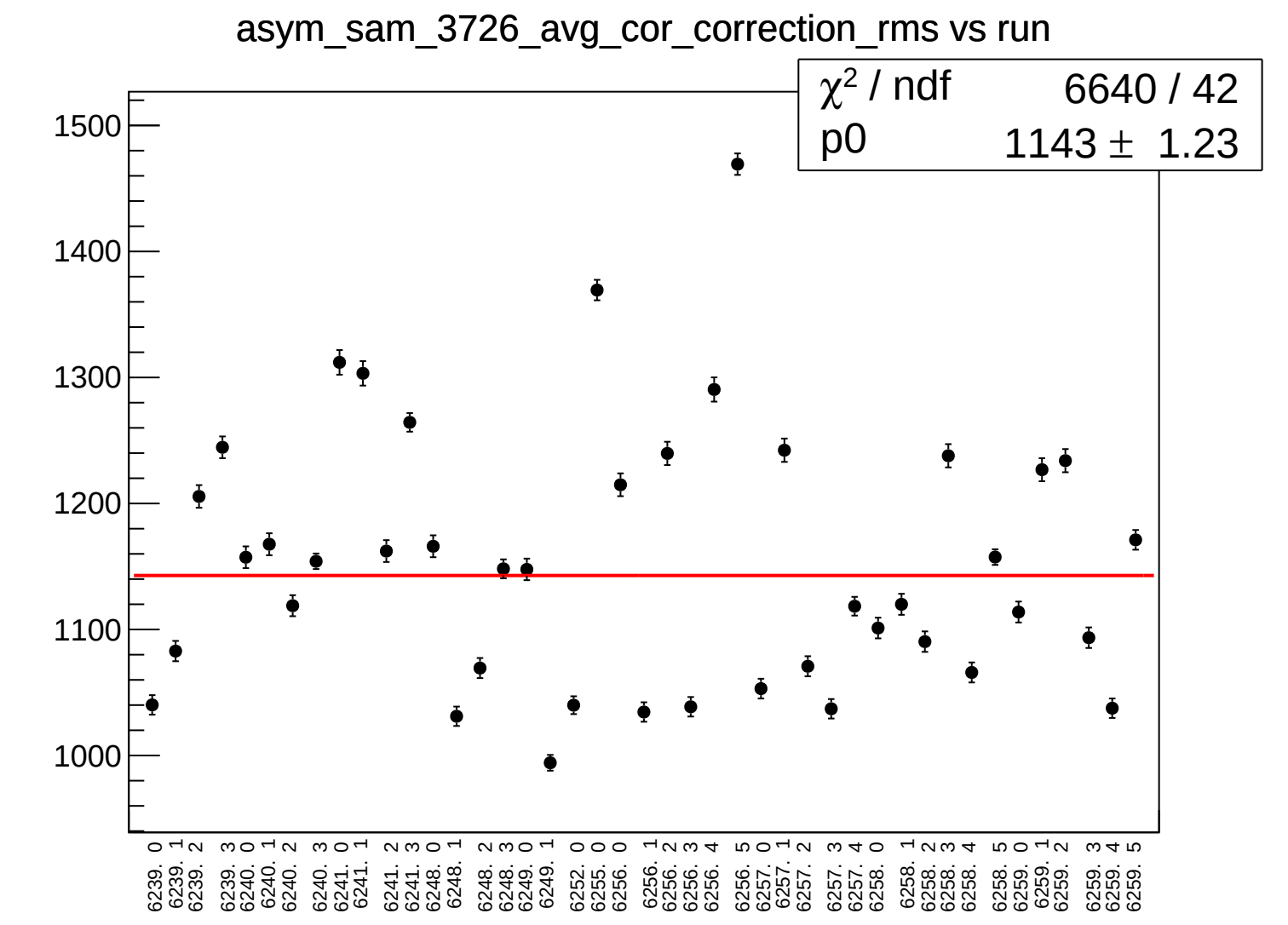

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 61.52 / 42
p0 202.2 ± 127.7
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2.95
Std Dev 0
3
2
1
0
−1
−2
−3

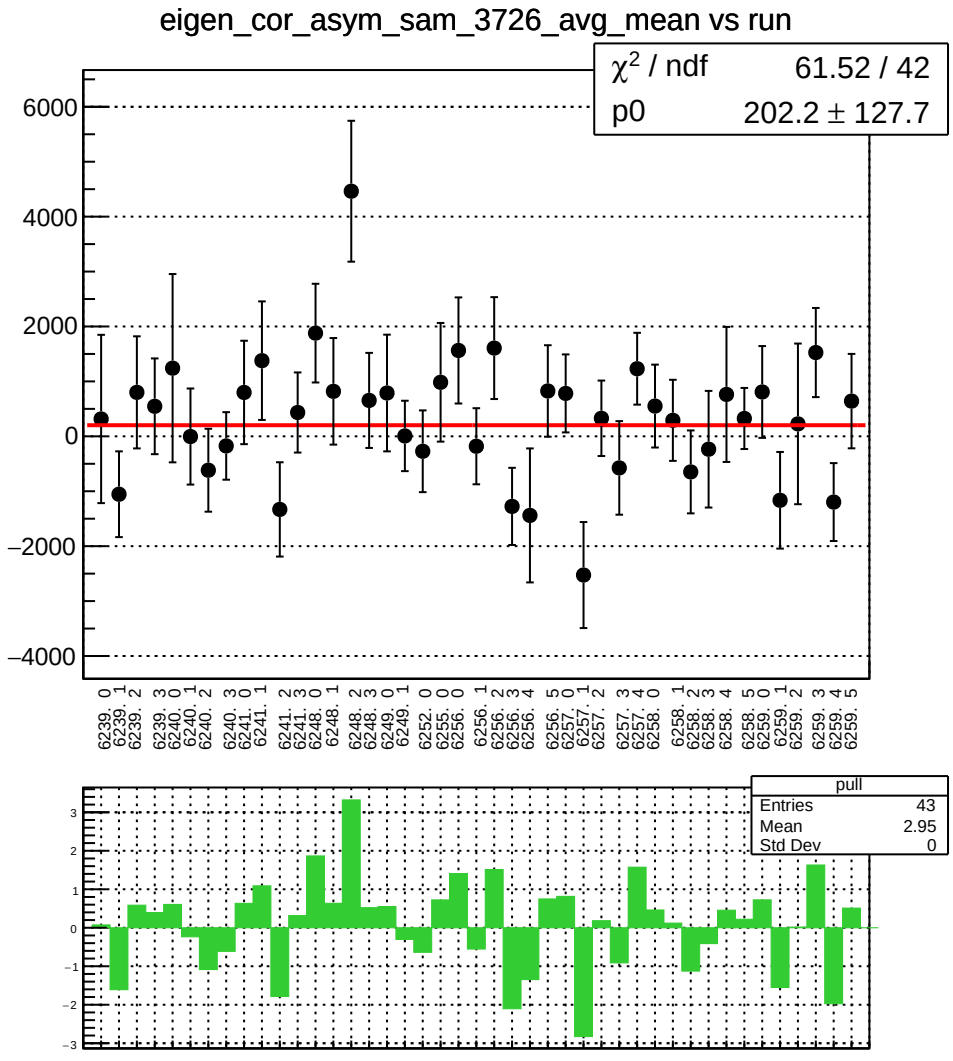

pull1D
Entries 43
Mean 0.06123
Std Dev 1.195
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

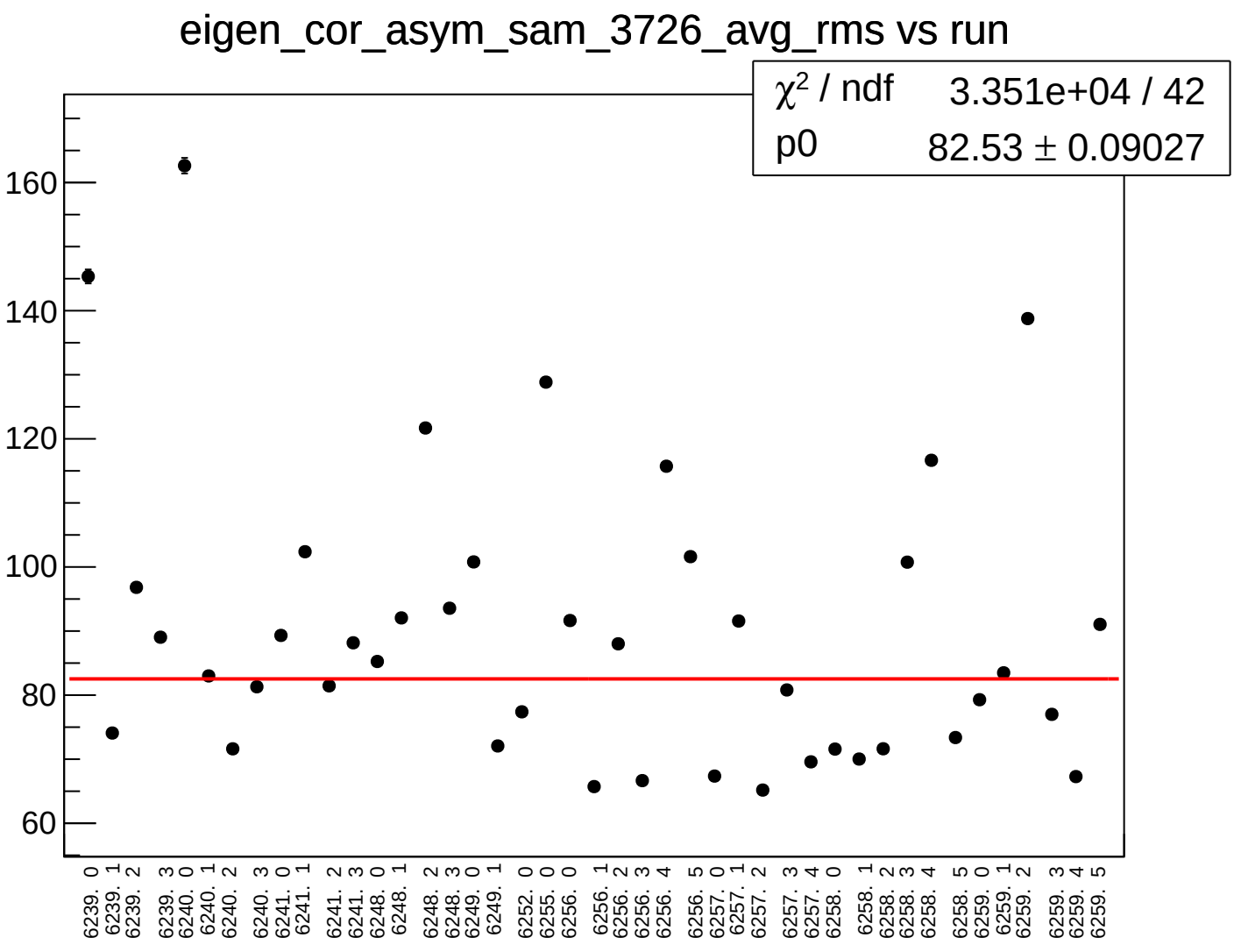

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.351e+04 / 42
p0 82.53 ± 0.09027
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

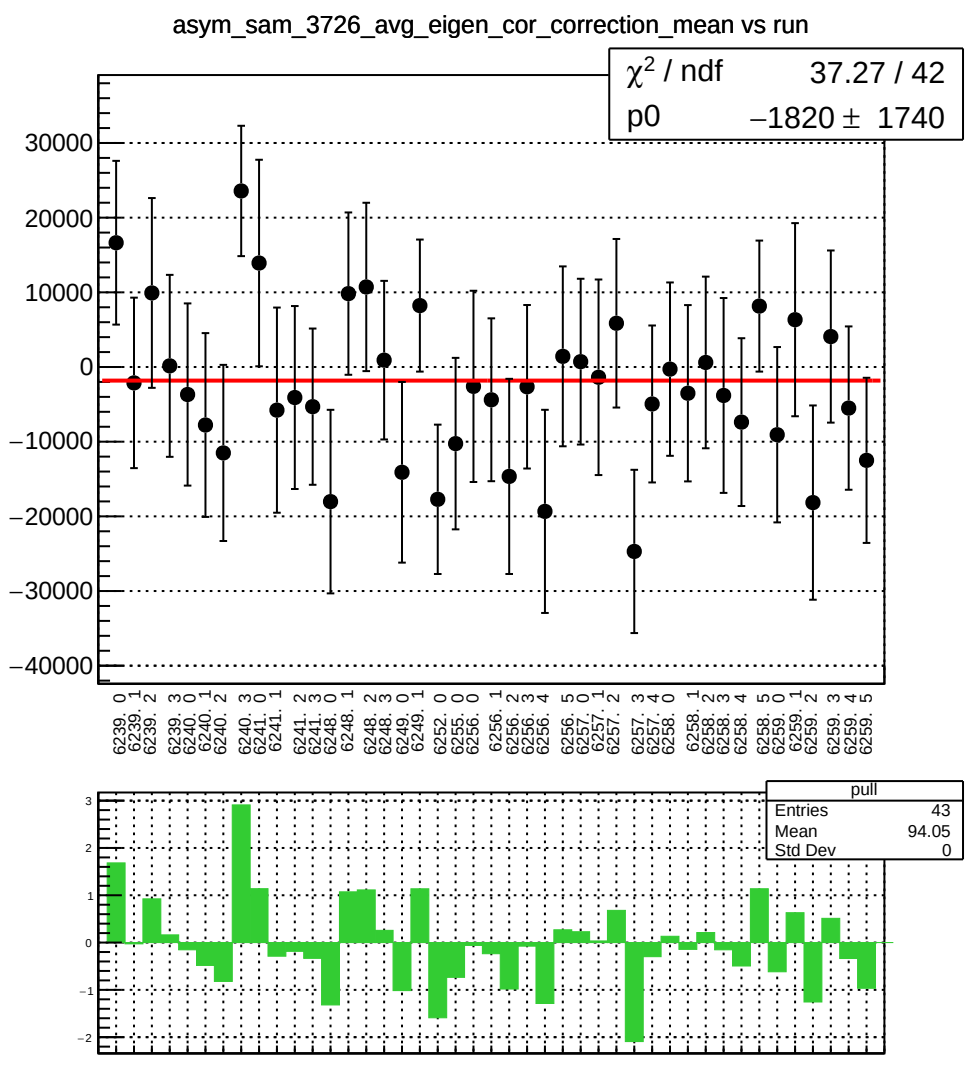

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 37.27 / 42
p0 −1820 ± 1740
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.05
Std Dev 0
3
2
1
0
−1
−2

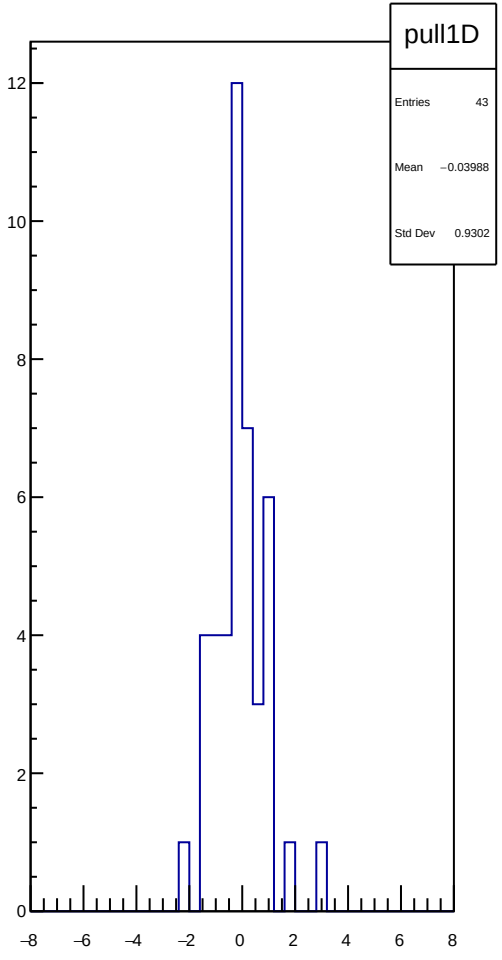

pull1D
Entries 43
Mean −0.03988
Std Dev 0.9302
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

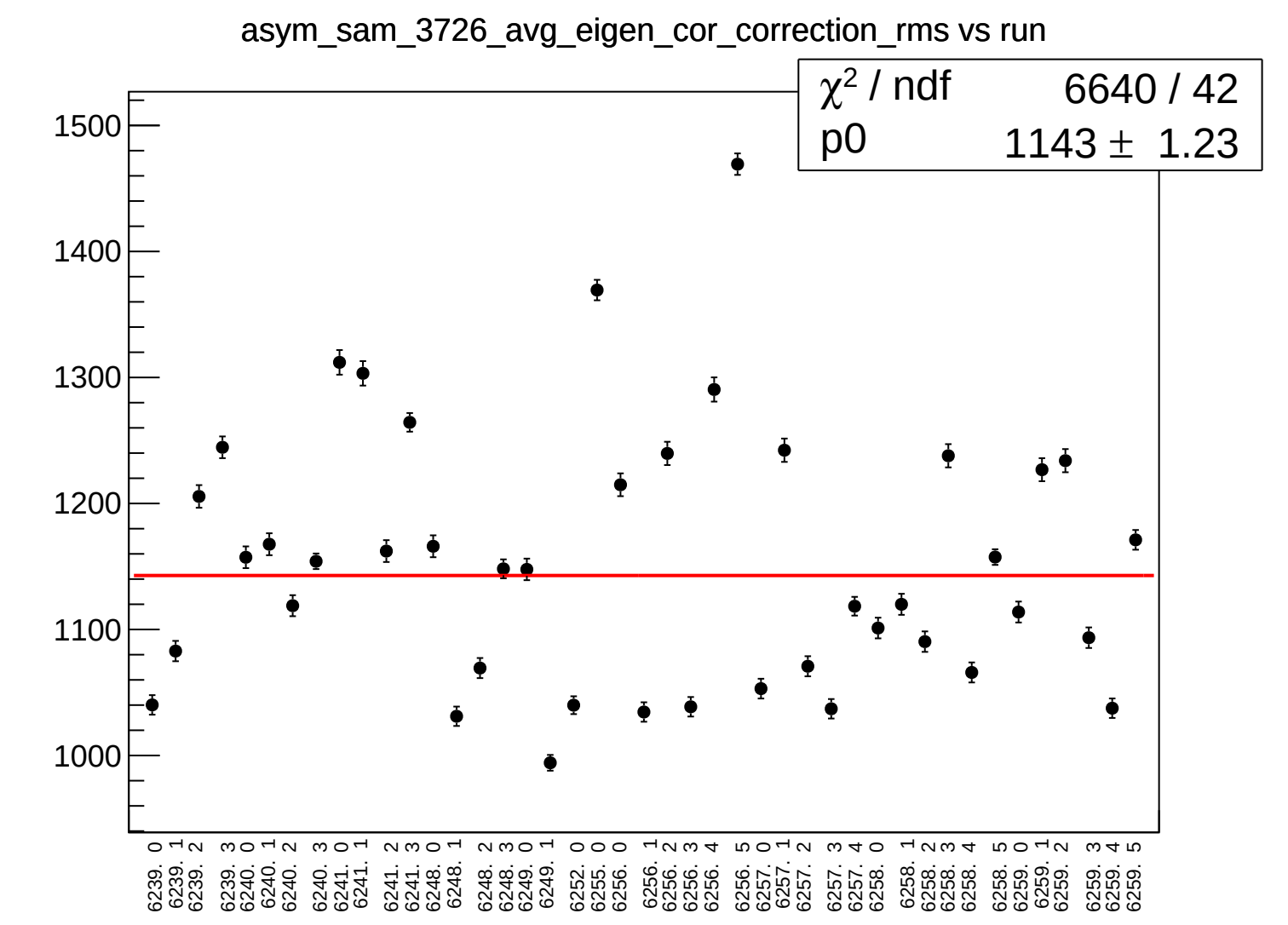

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 6640 / 42
p0 1143 ± 1.23
1500
1400
1300
1200
1100
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

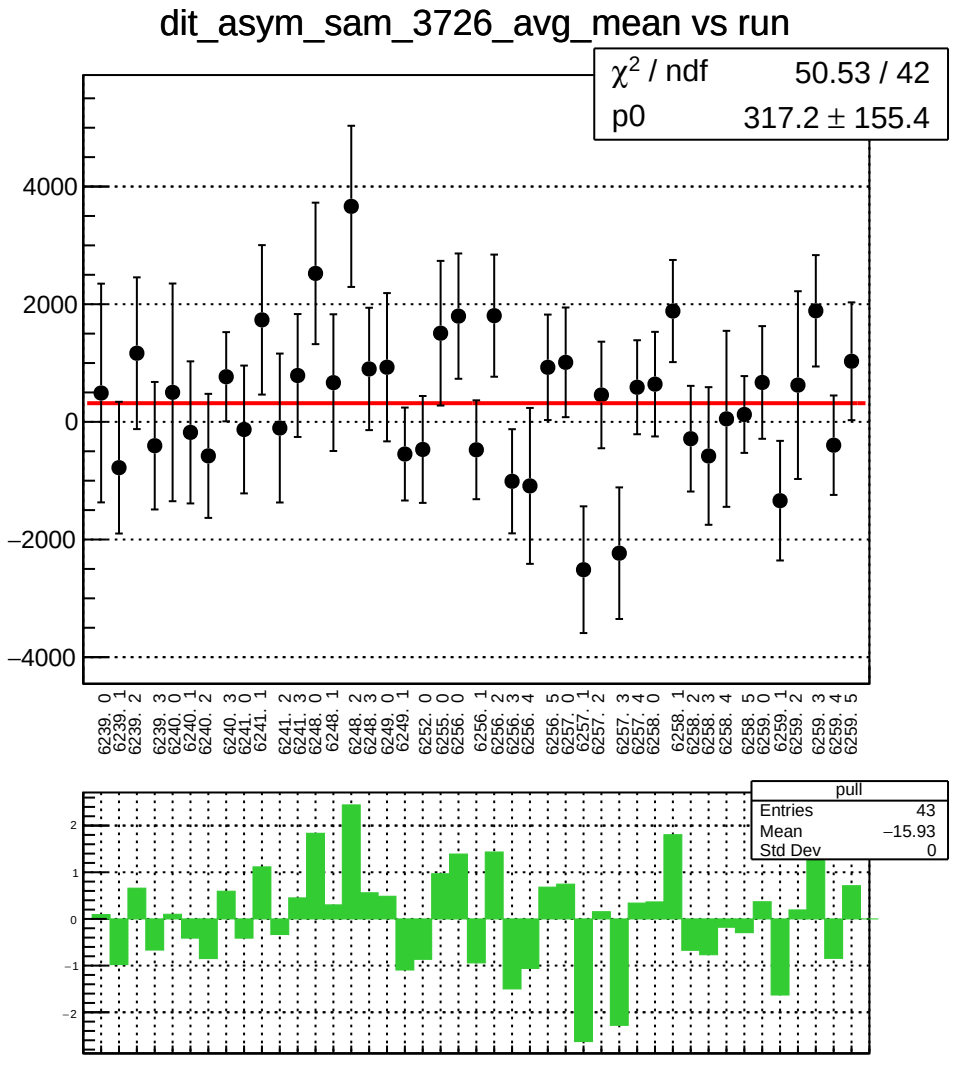

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 61.52 / 42
p0 202.2 ± 127.7
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2.95
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.06123
Std Dev 1.195
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

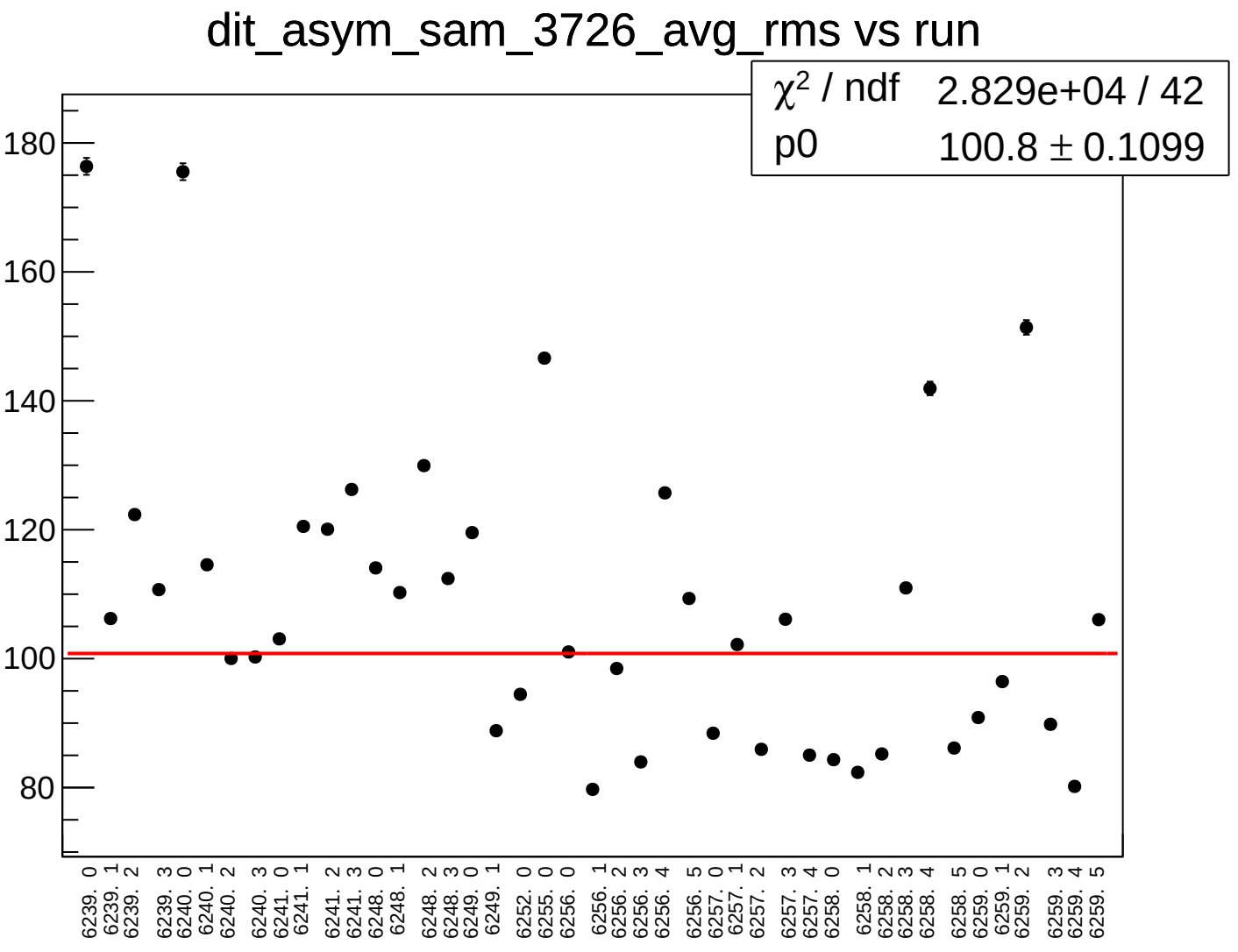

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3.351e+04 / 42
p0 82.53 ± 0.09027
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

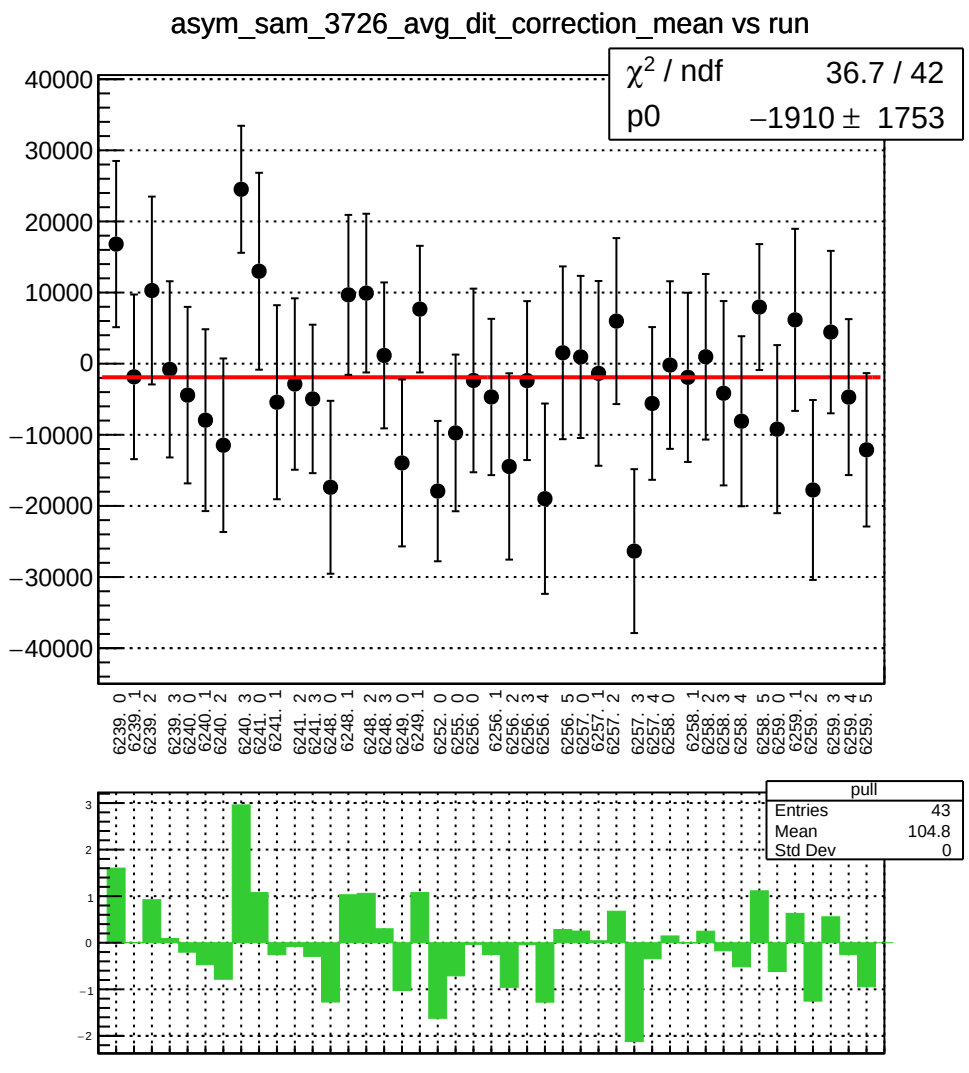

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 37.27 / 42
p0 −1820 ± 1740
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 94.05
Std Dev 0
3
2
1
0
−1
−2

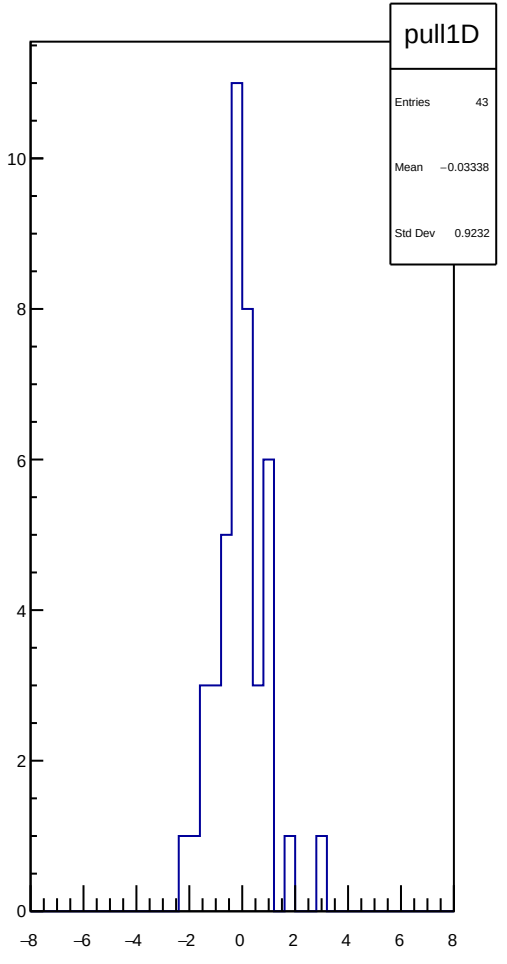

pull1D
Entries 43
Mean −0.03988
Std Dev 0.9302
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

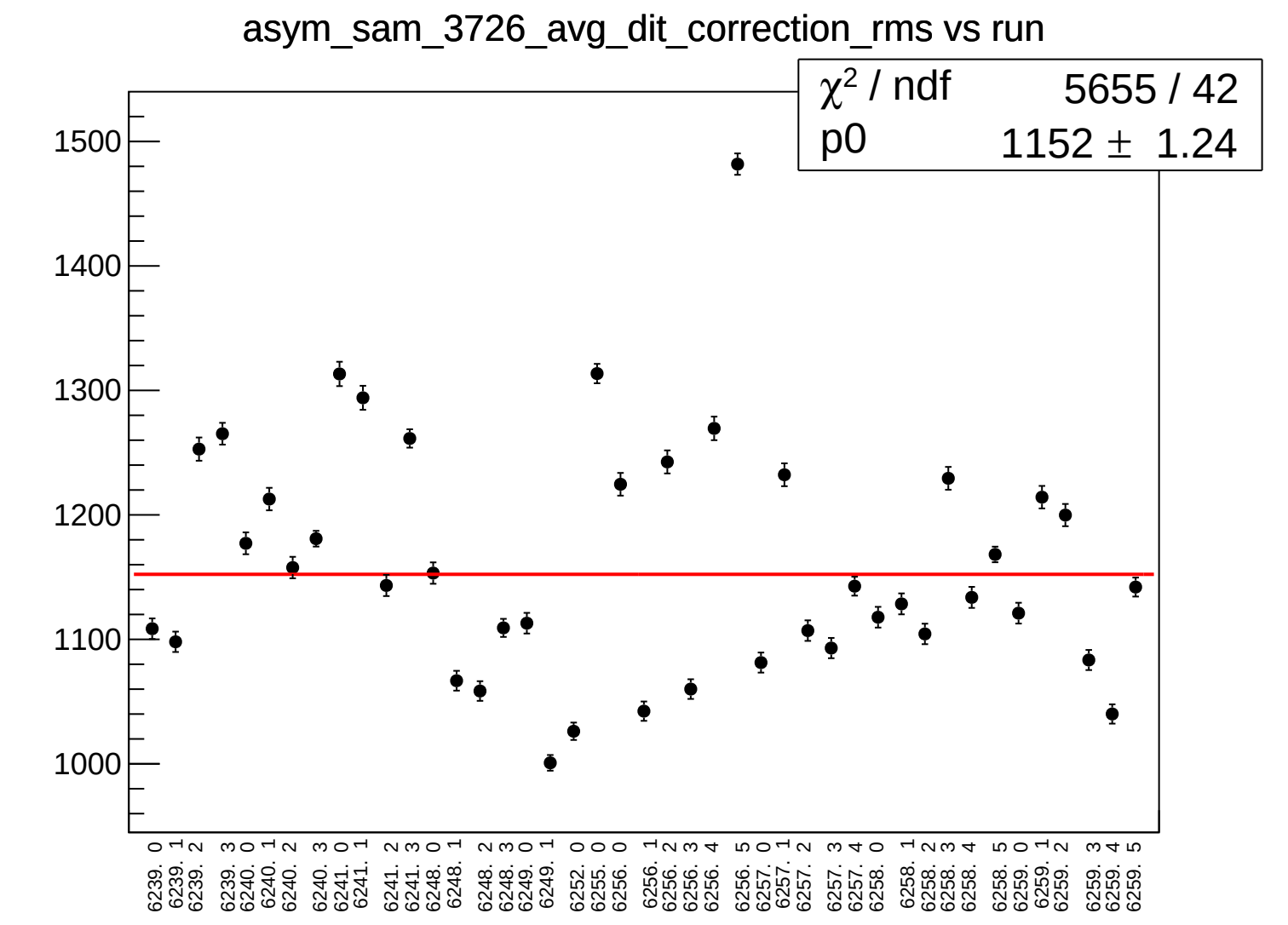

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 6640 / 42
p0 1143 ± 1.23
1500
1400
1300
1200
1100
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

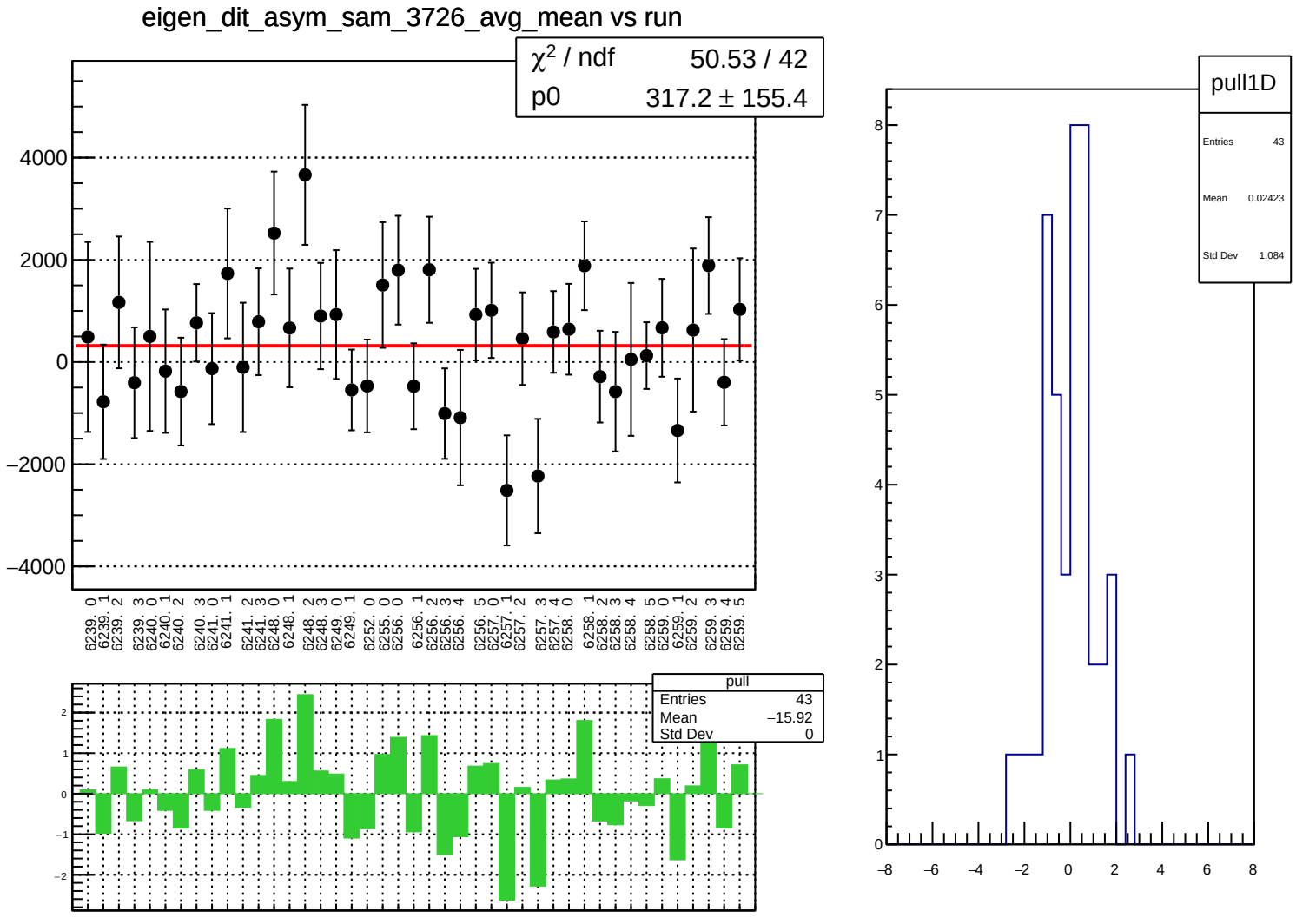

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 50.53 / 42
p0 317.2 ± 155.4
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.93
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02422
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

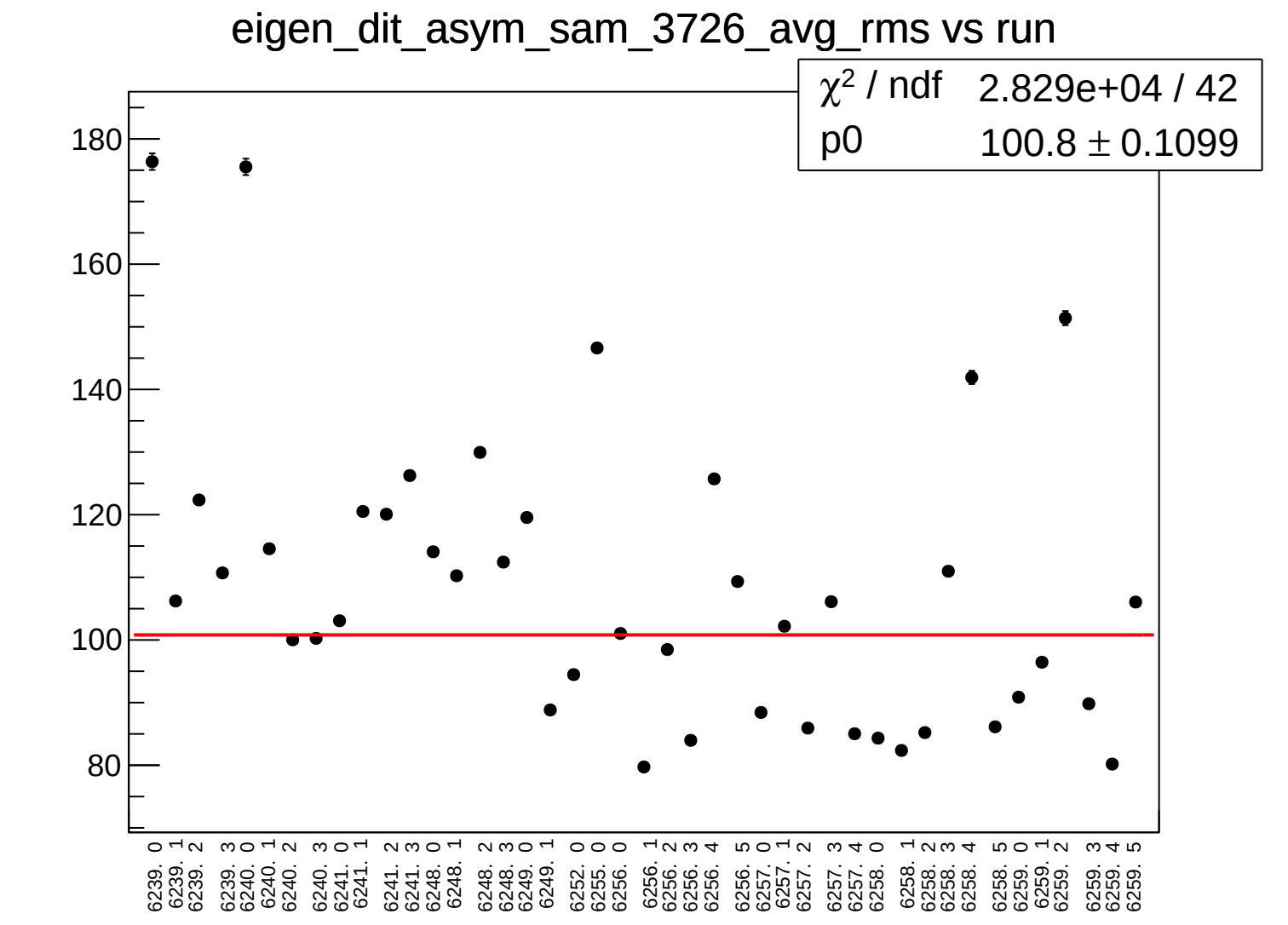

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.829e+04 / 42
p0 100.8 ± 0.1099
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 36.7 / 42
p0 −1910 ± 1753
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.03338
Std Dev 0.9232
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 5655 / 42
p0 1152 ± 1.24
1500
1400
1300
1200
1100
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 50.53 / 42
p0 317.2 ± 155.4
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02423
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.829e+04 / 42
p0 100.8 ± 0.1099
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
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6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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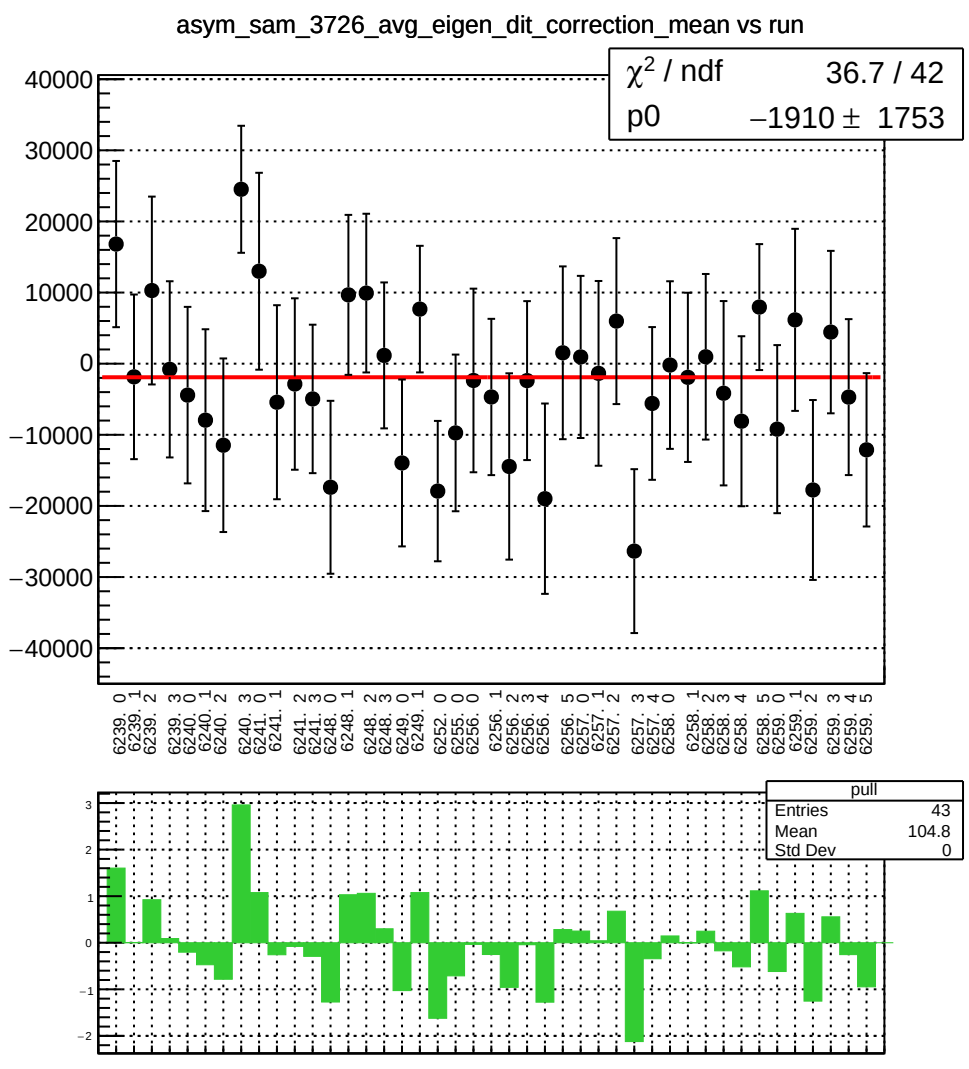
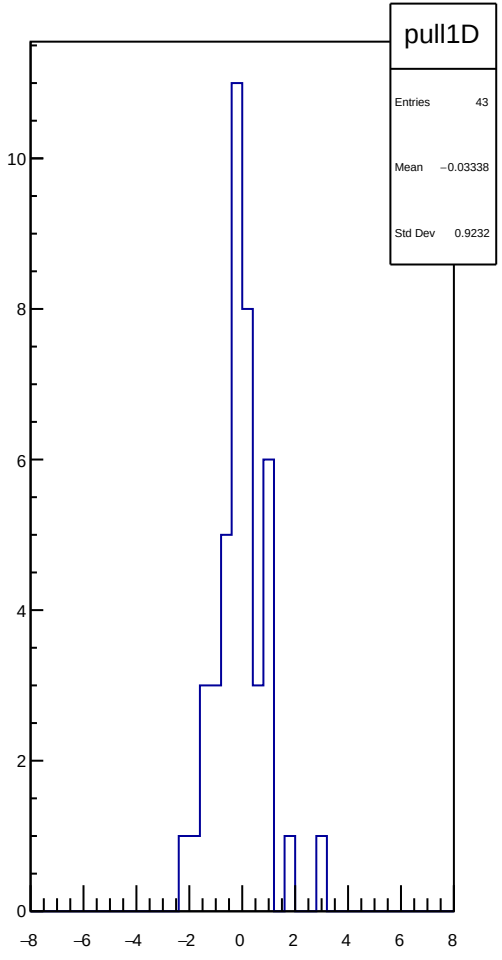
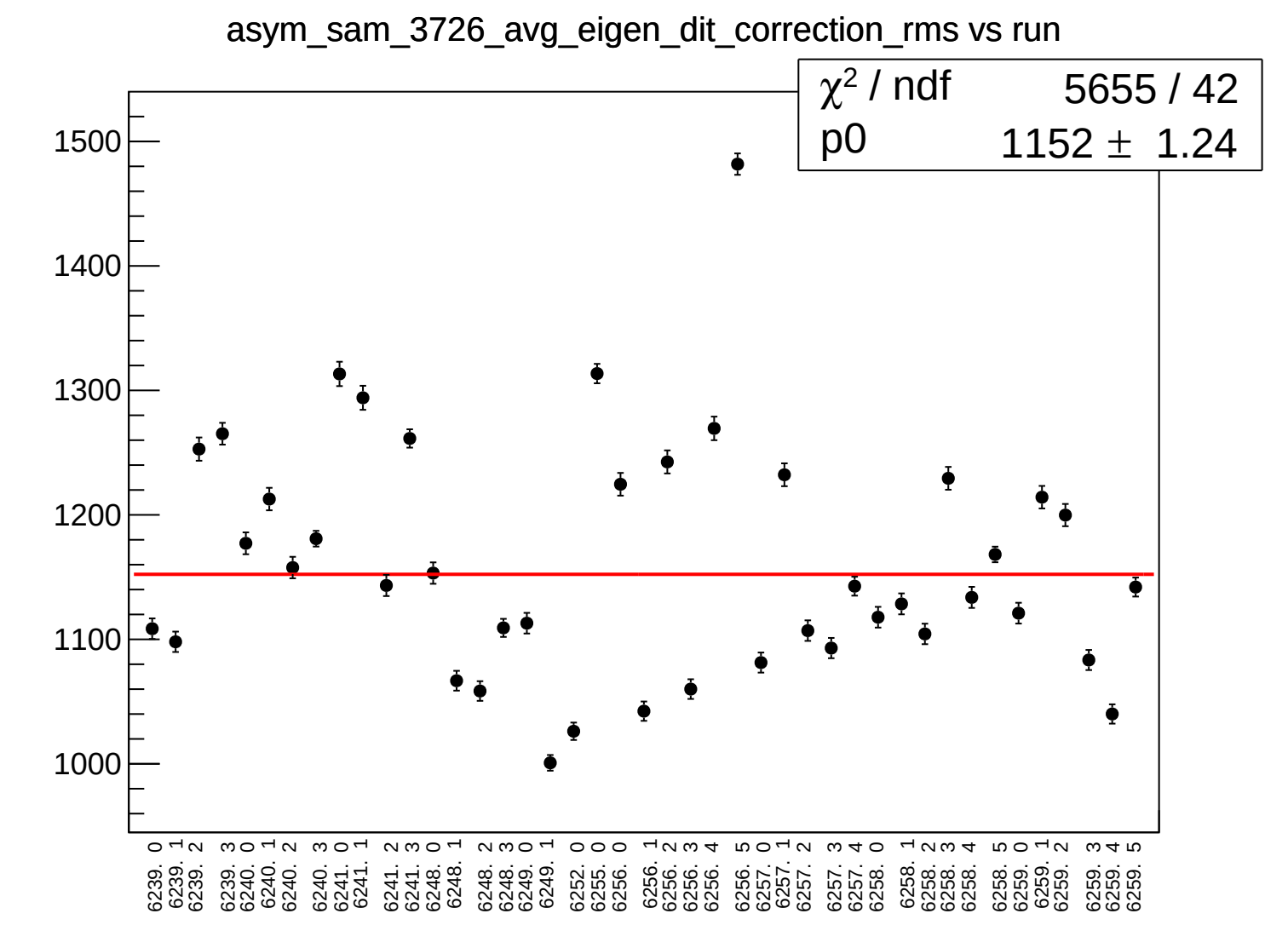
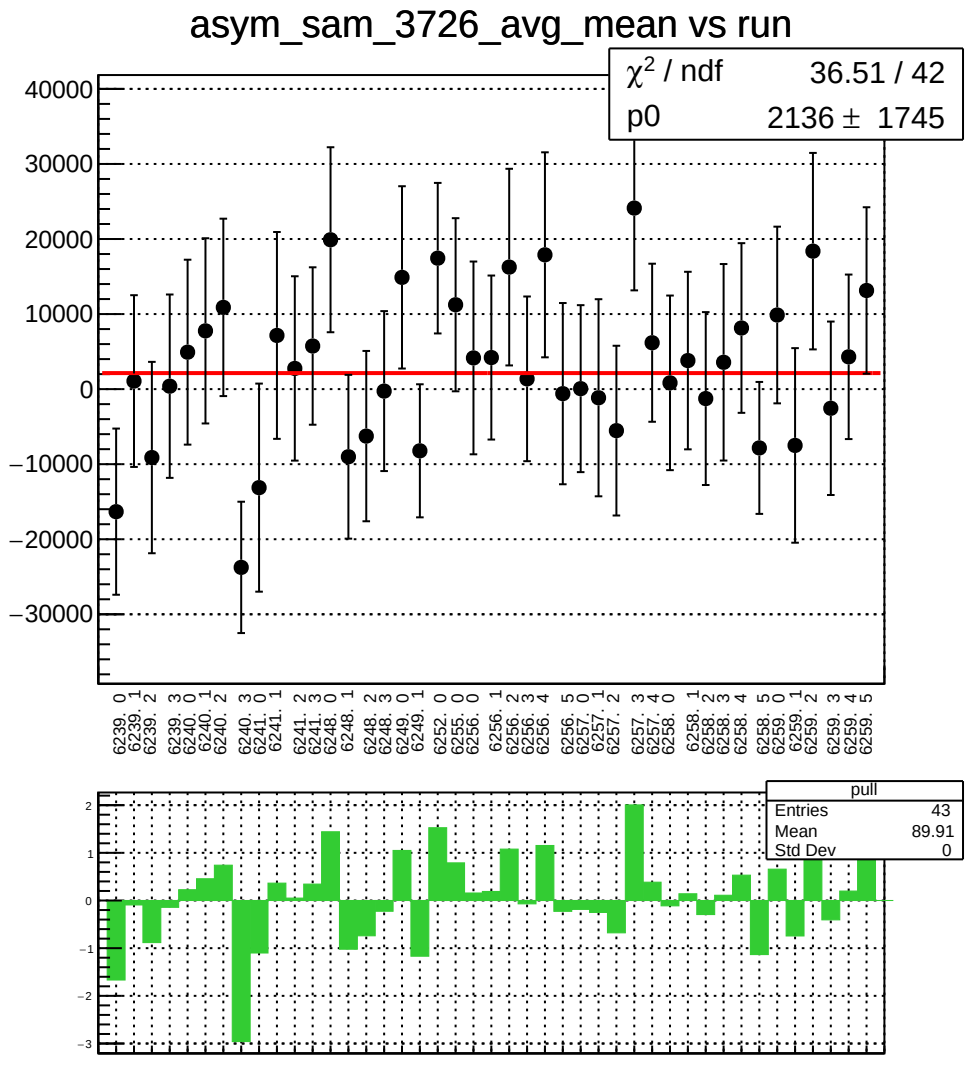
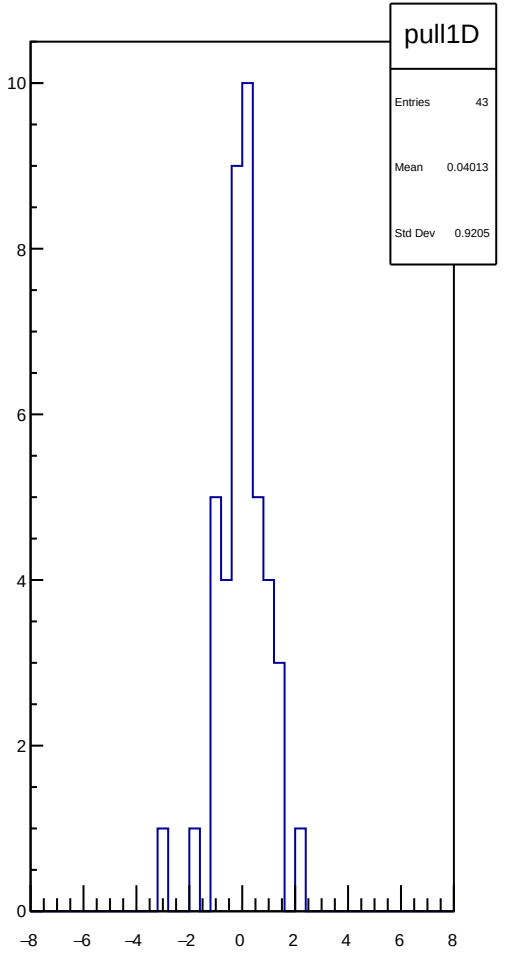
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

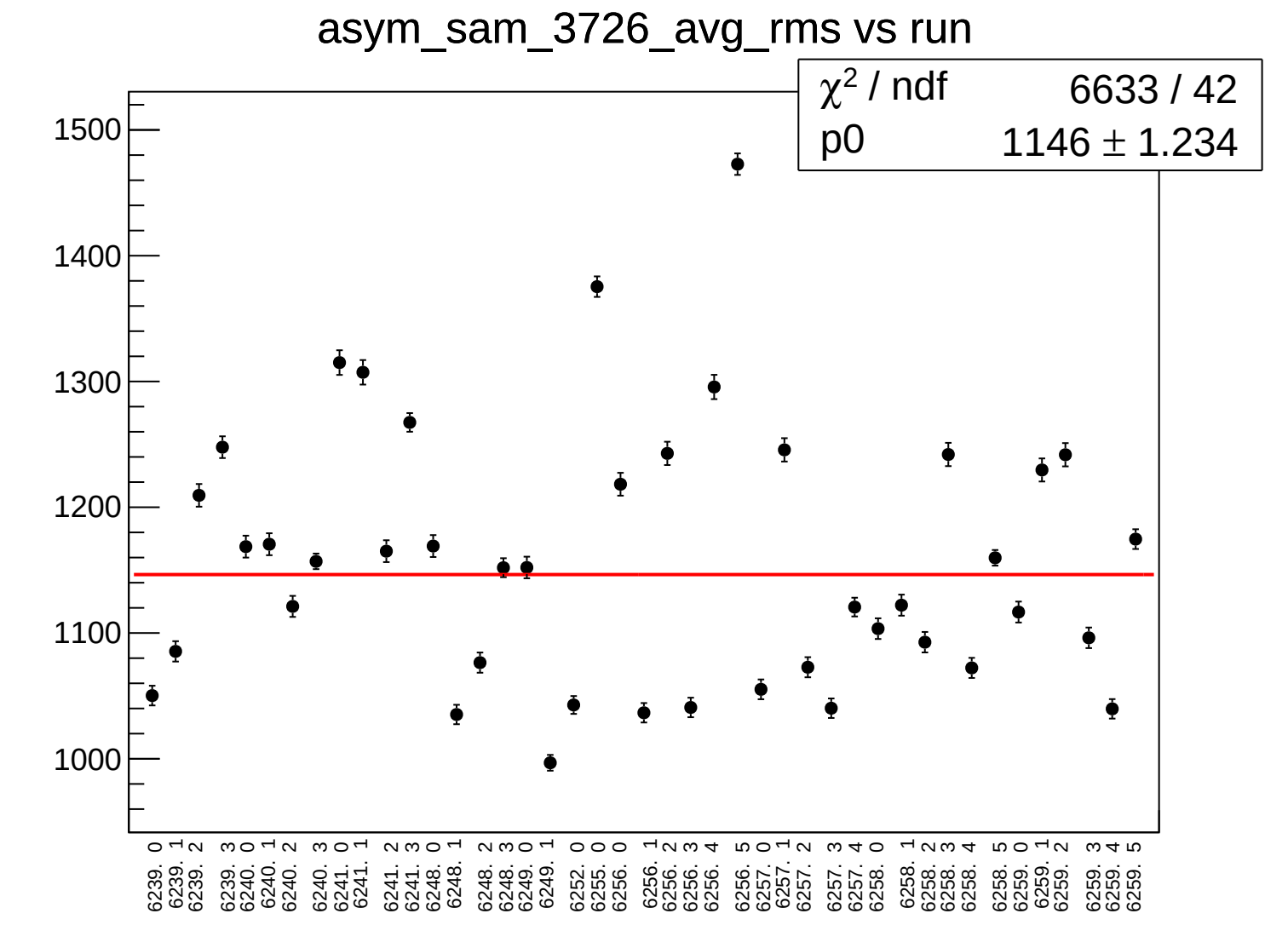

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.7 / 42
p0 −1910 ± 1753
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 104.8
Std Dev 0
3
2
1
0
−1
−2

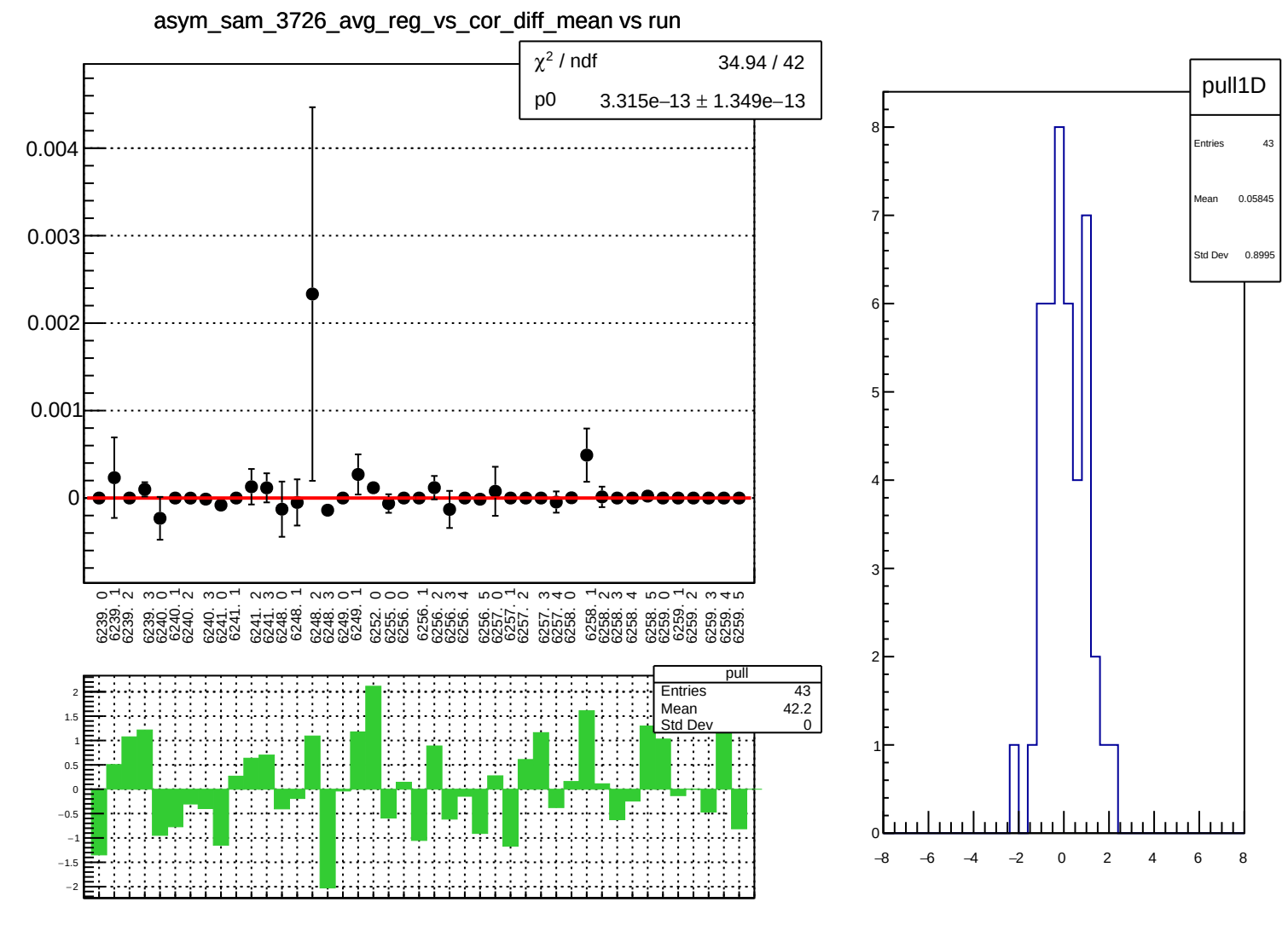

pull1D
Entries 43
Mean −0.03338
Std Dev 0.9232
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

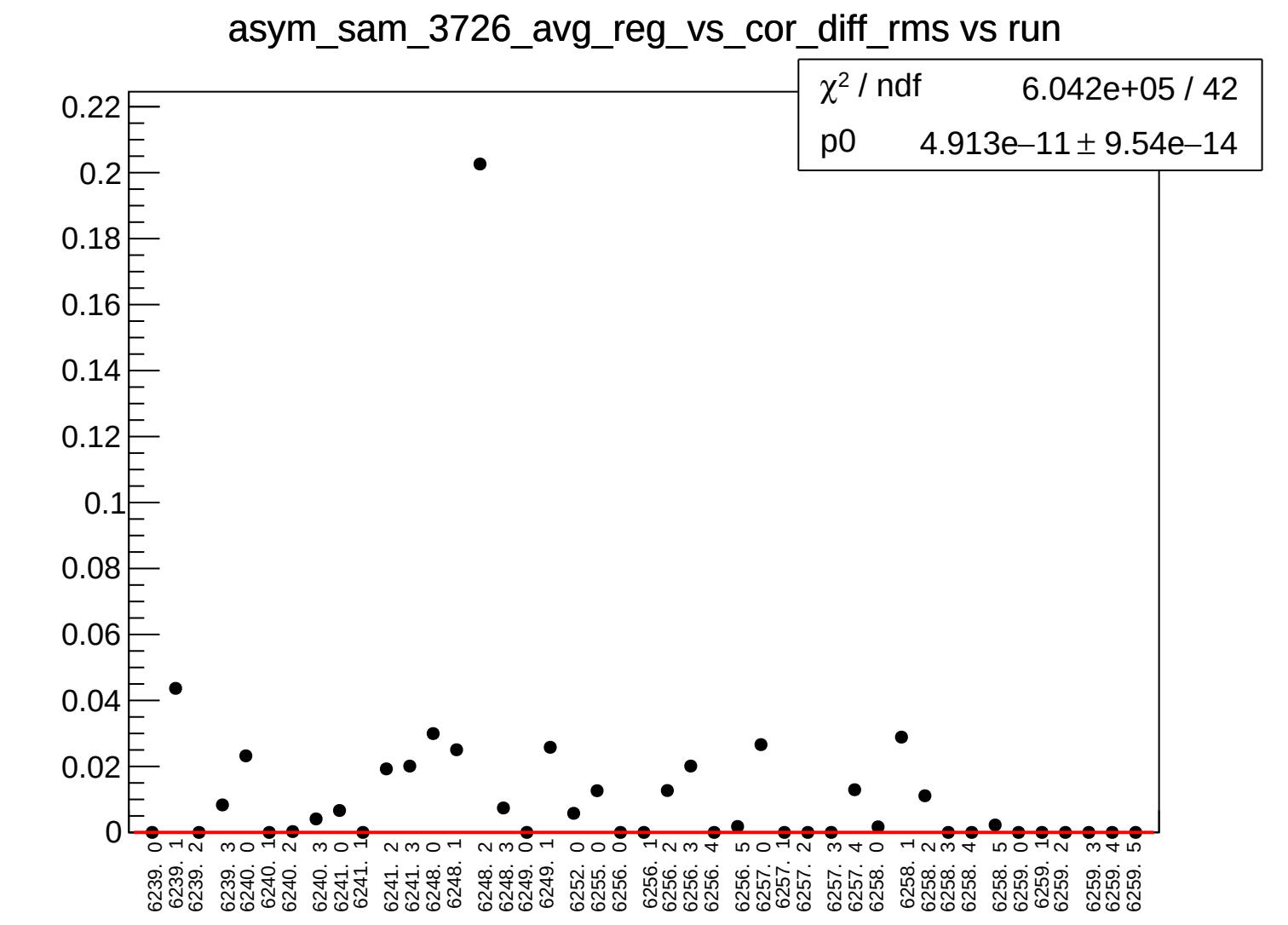

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 5655 / 42
p0 1152 ± 1.24
1500
1400
1300
1200
1100
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_3726_avg_mean vs run
χ² / ndf 36.51 / 42
p0 2136 ± 1745
40000
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.91
Std Dev 0
2
1
0
−1
−2
−3

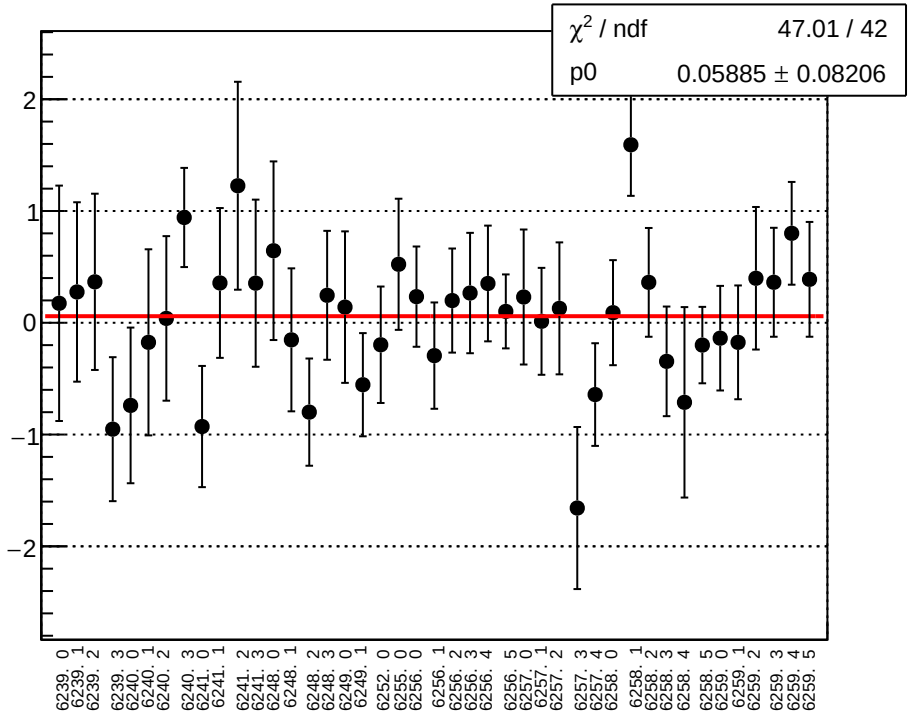

pull1D
Entries 43
Mean 0.04013
Std Dev 0.9205
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

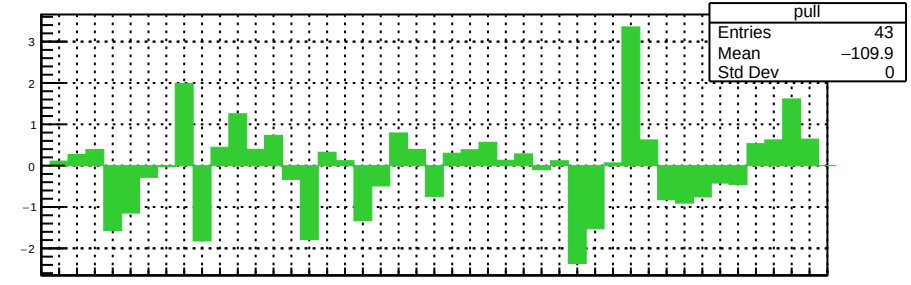

asym_sam_3726_avg_rms vs run
χ² / ndf 6633 / 42
p0 1146 ± 1.234
1500
1400
1300
1200
1100
1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

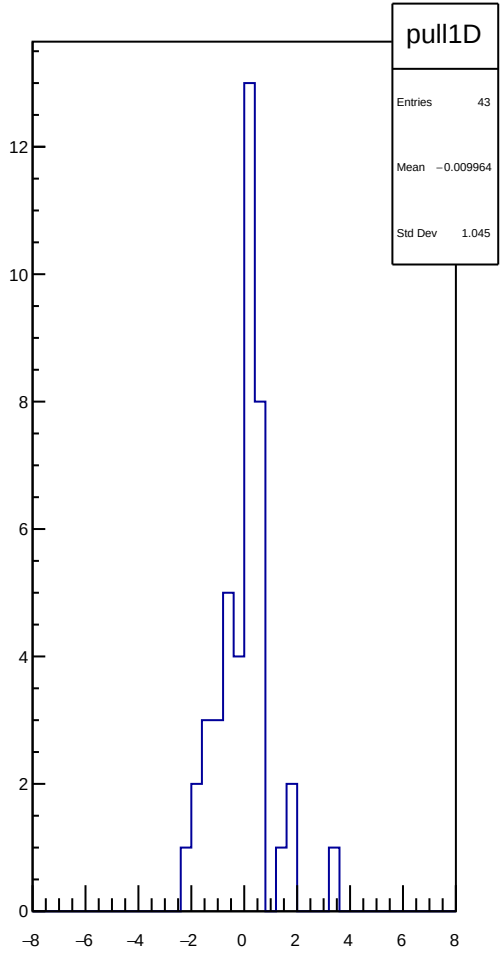

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.94 / 42
p0 3.315e−13 ± 1.349e−13
0.004
0.003
0.002
0.001
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 42.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.05845
Std Dev 0.8995
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

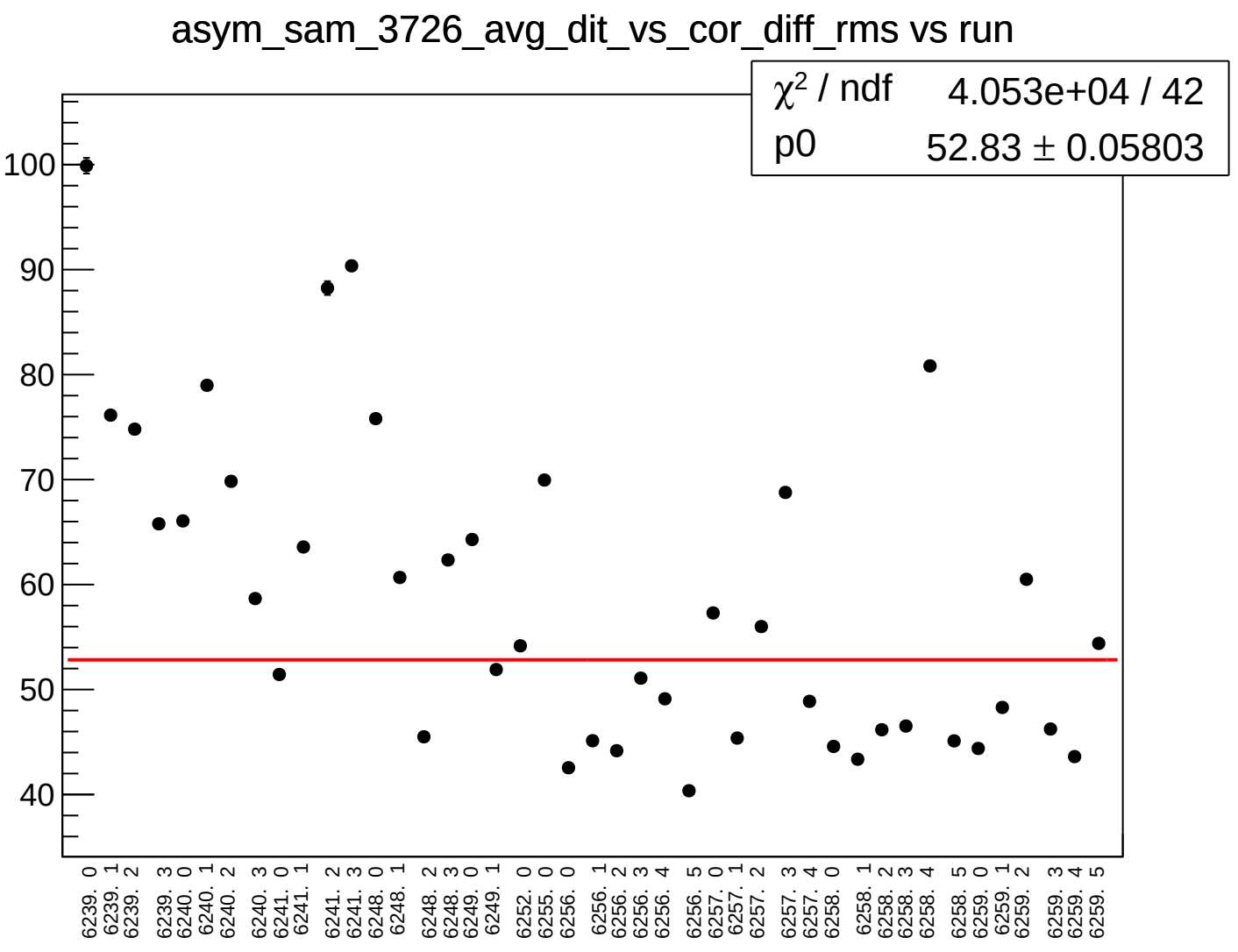

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.042e+05 / 42
p0 4.913e−11 ± 9.54e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

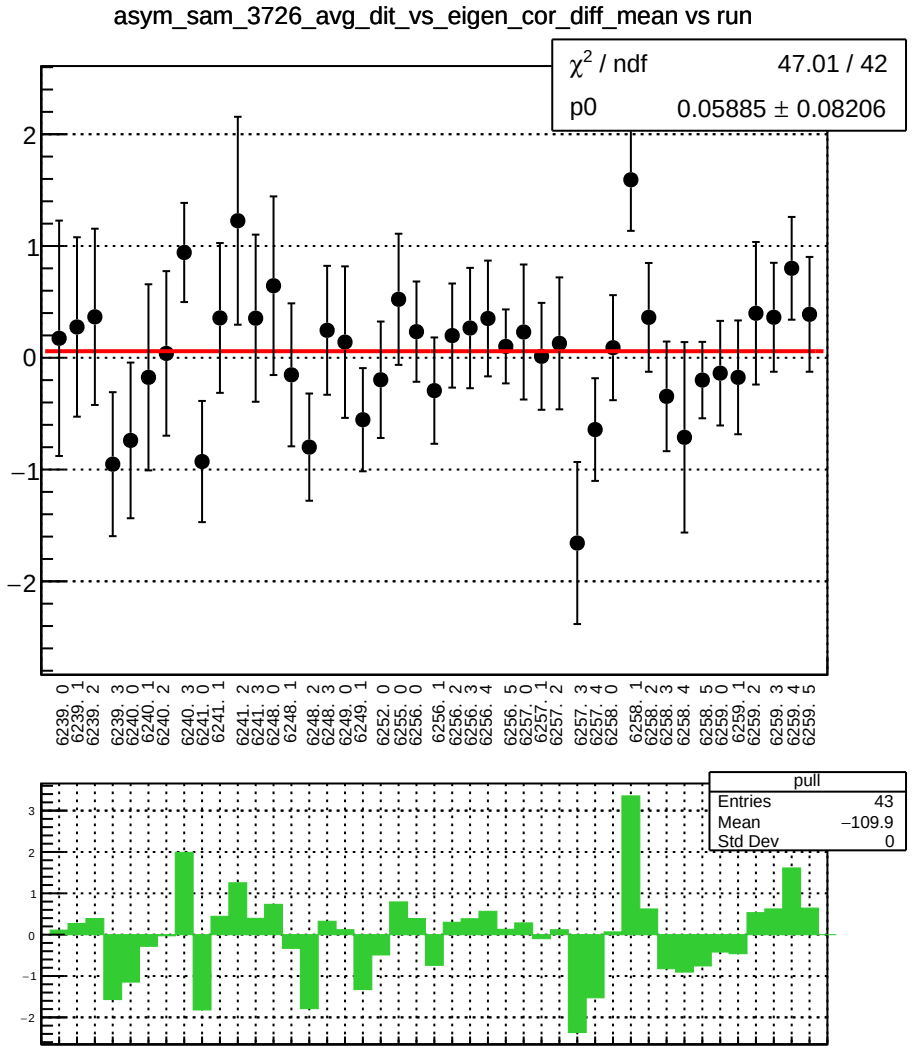
asym_sam_3726_avg_dit_vs_cor_diff_mean vs run

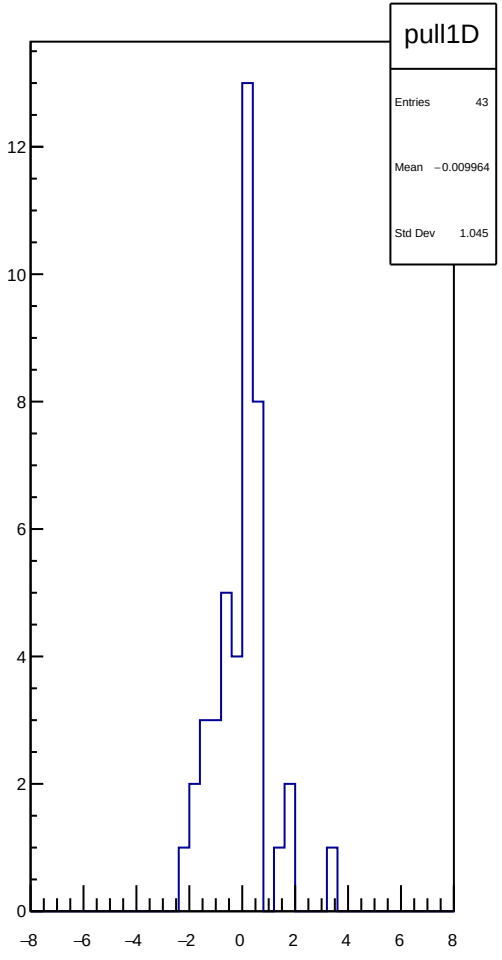


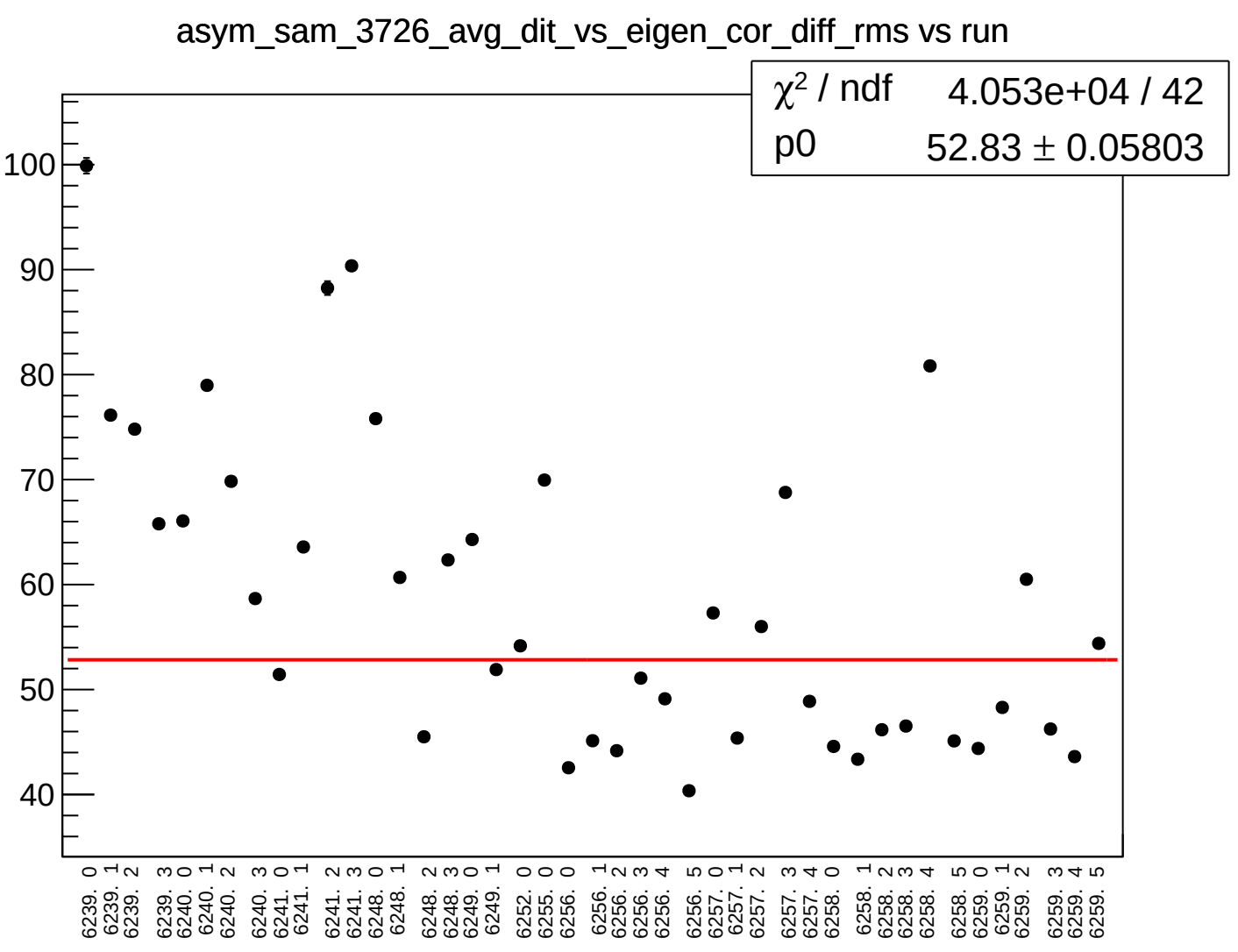



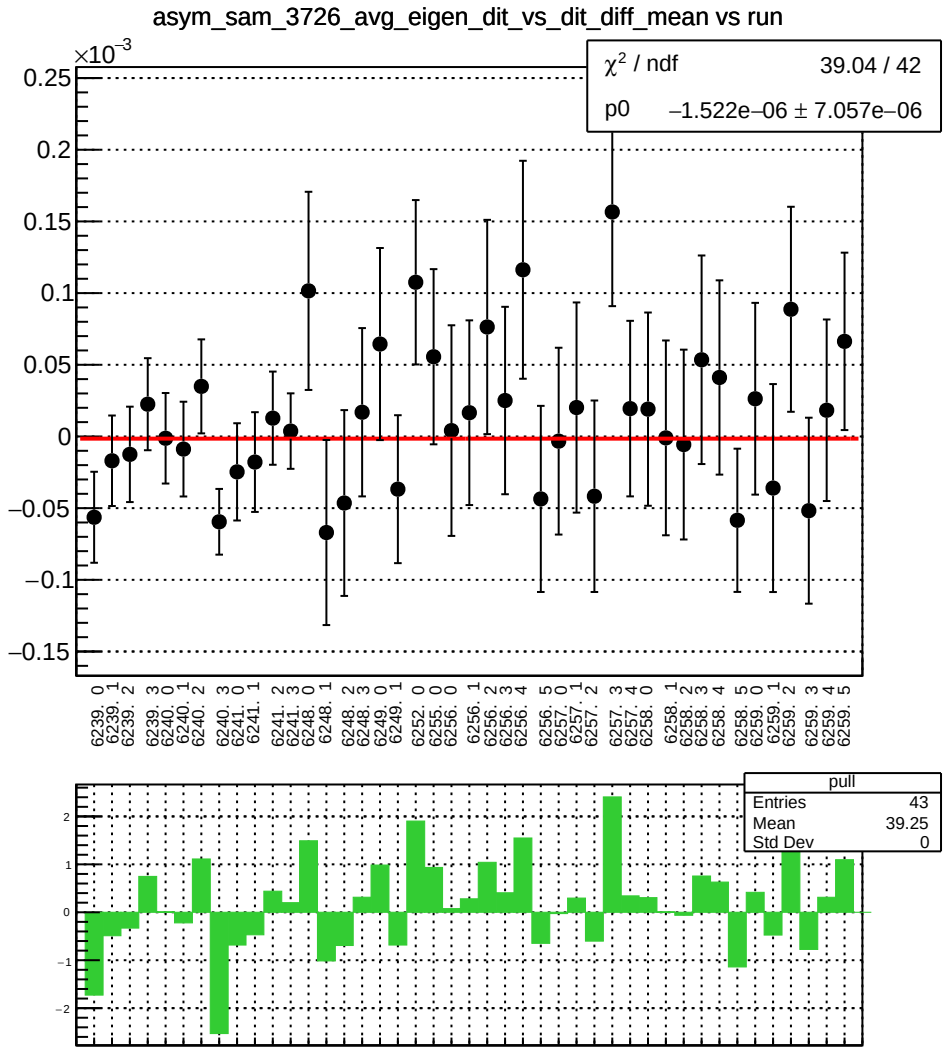



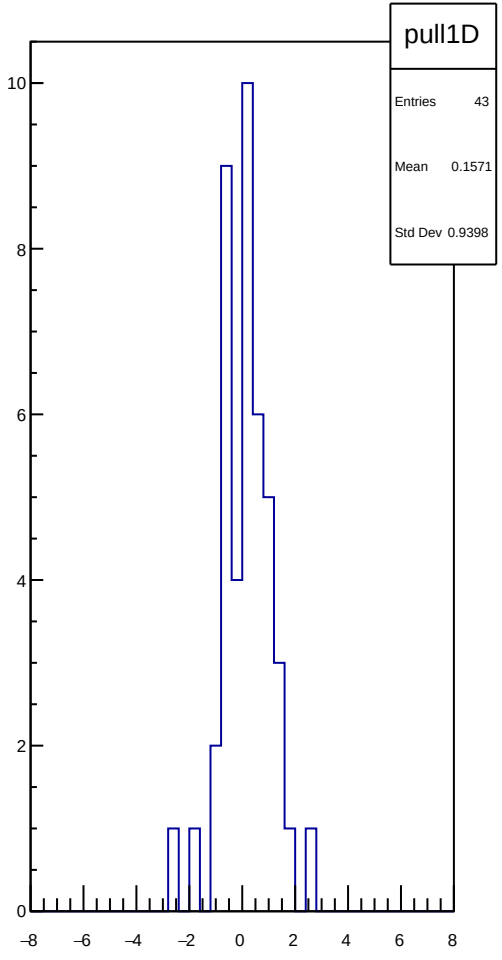

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 42
p0 52.83 ± 0.05803
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

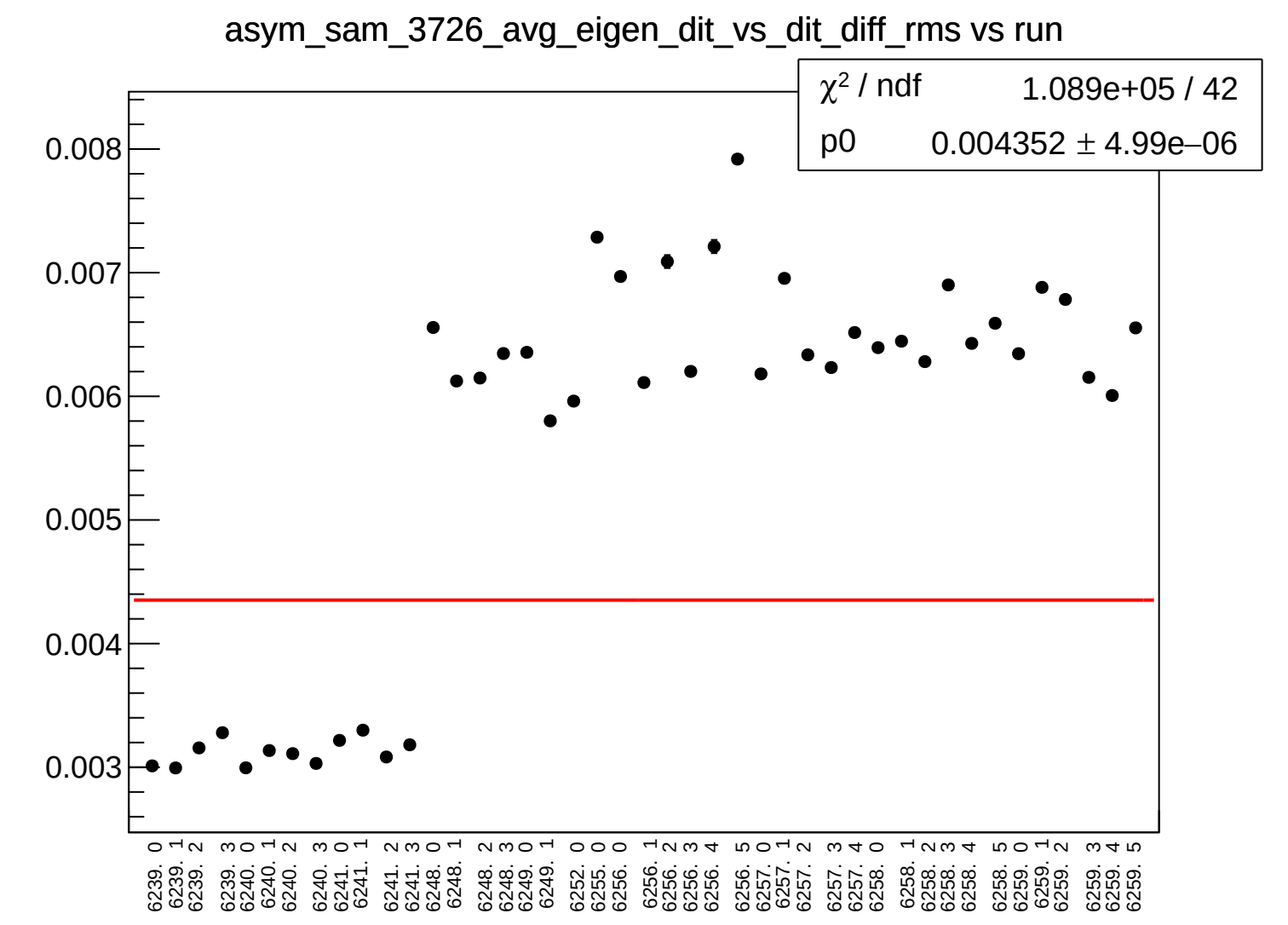

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.01 / 42
p0 0.05885 ± 0.08206
pull
Entries 43
Mean −109.9
Std Dev 0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

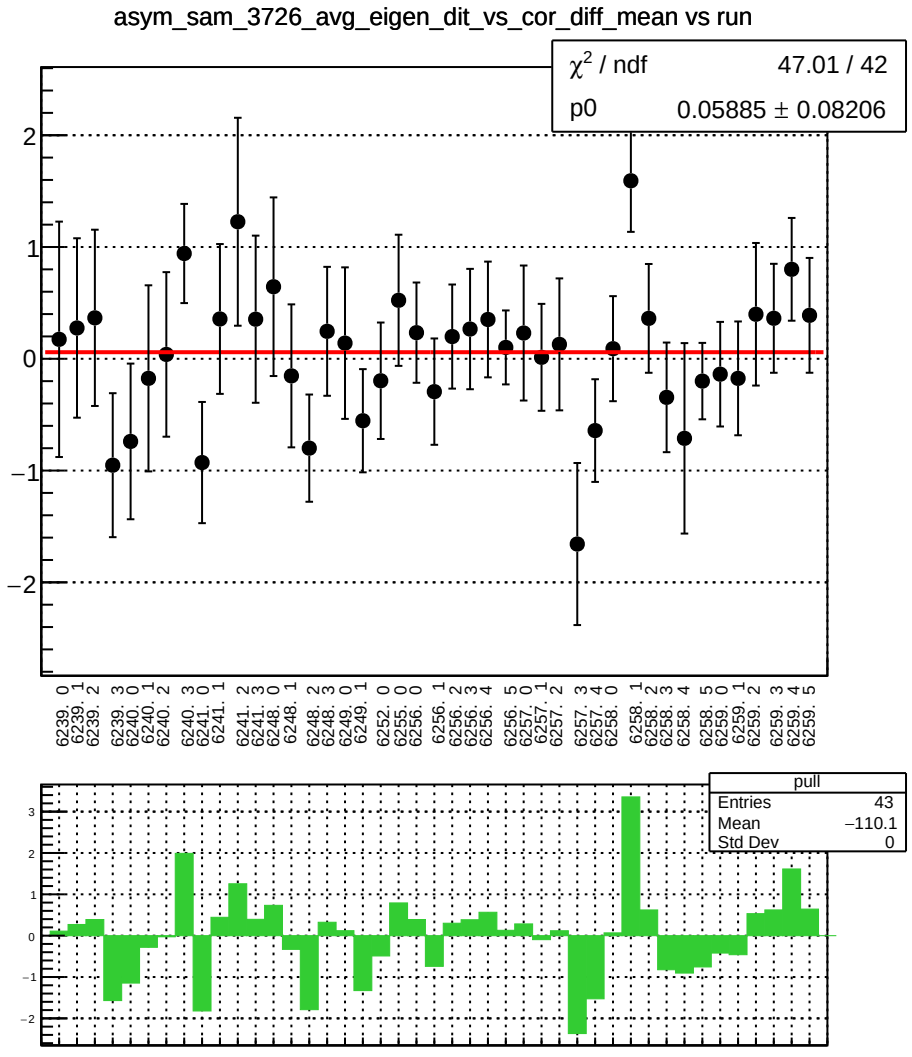

pull1D
Entries 43
Mean −0.009964
Std Dev 1.045

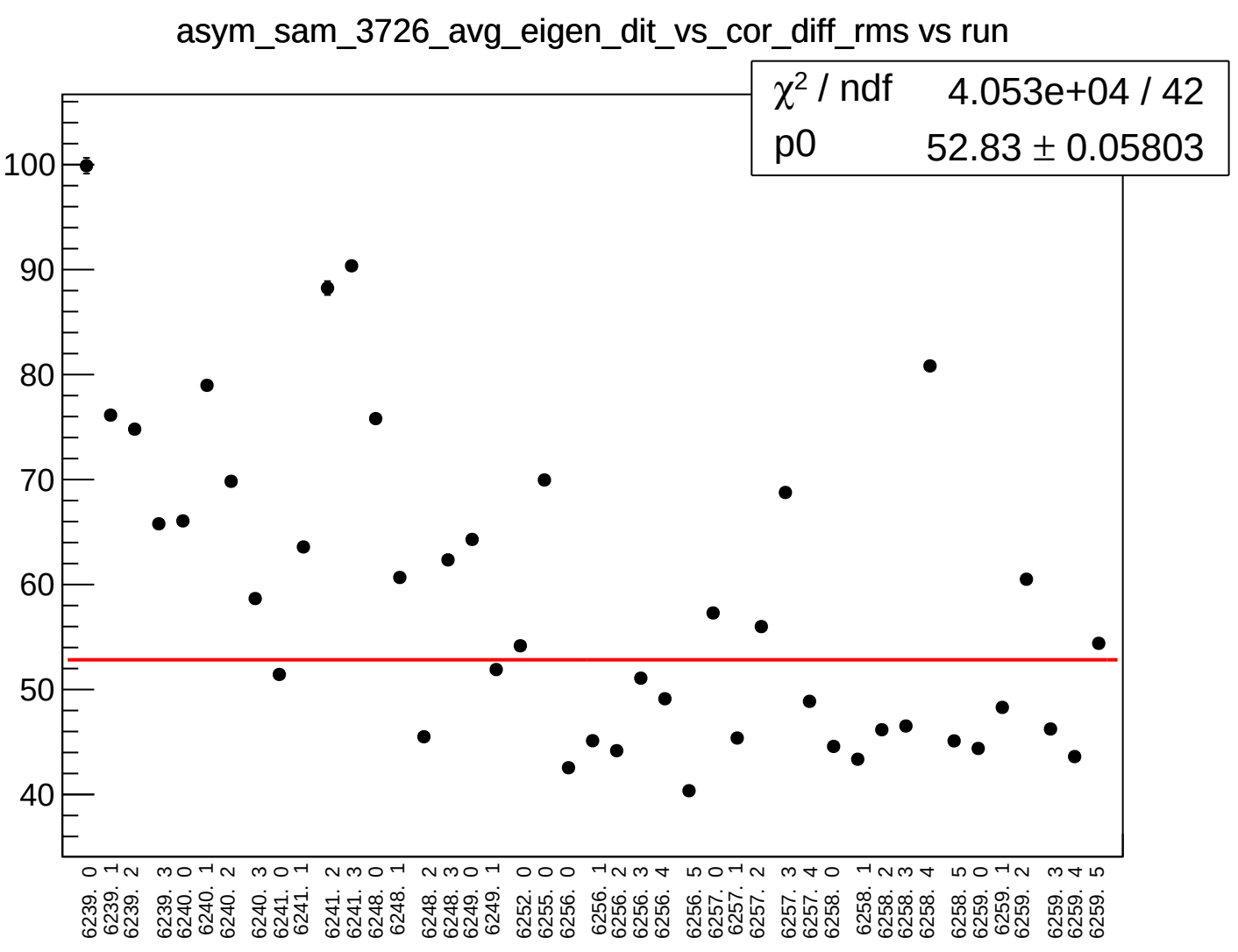

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 42
p0 52.83 ± 0.05803
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

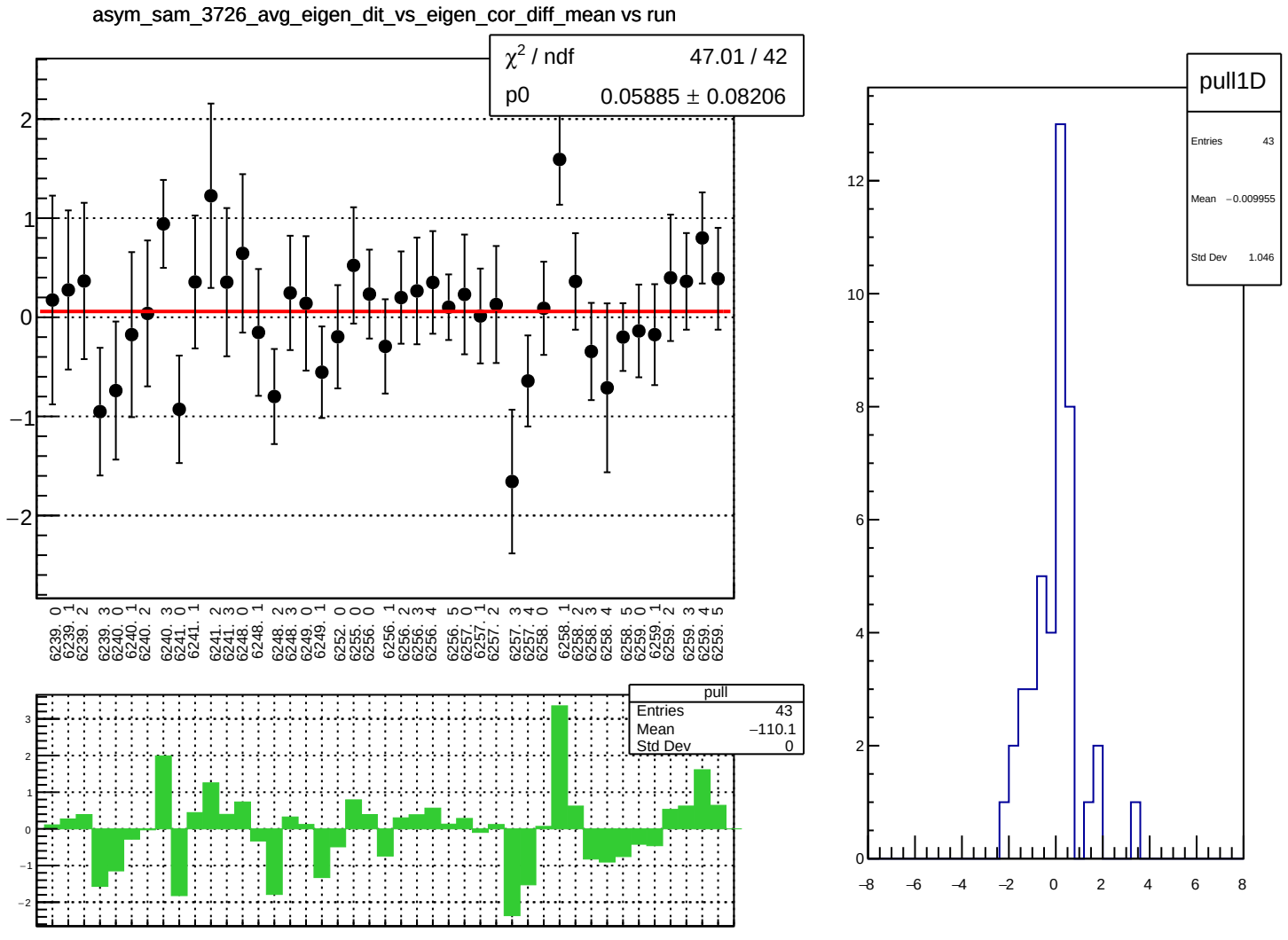

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 39.04 / 42
p0 −1.522e−06 ± 7.057e−06
pull
Entries 43
Mean 39.25
Std Dev 0

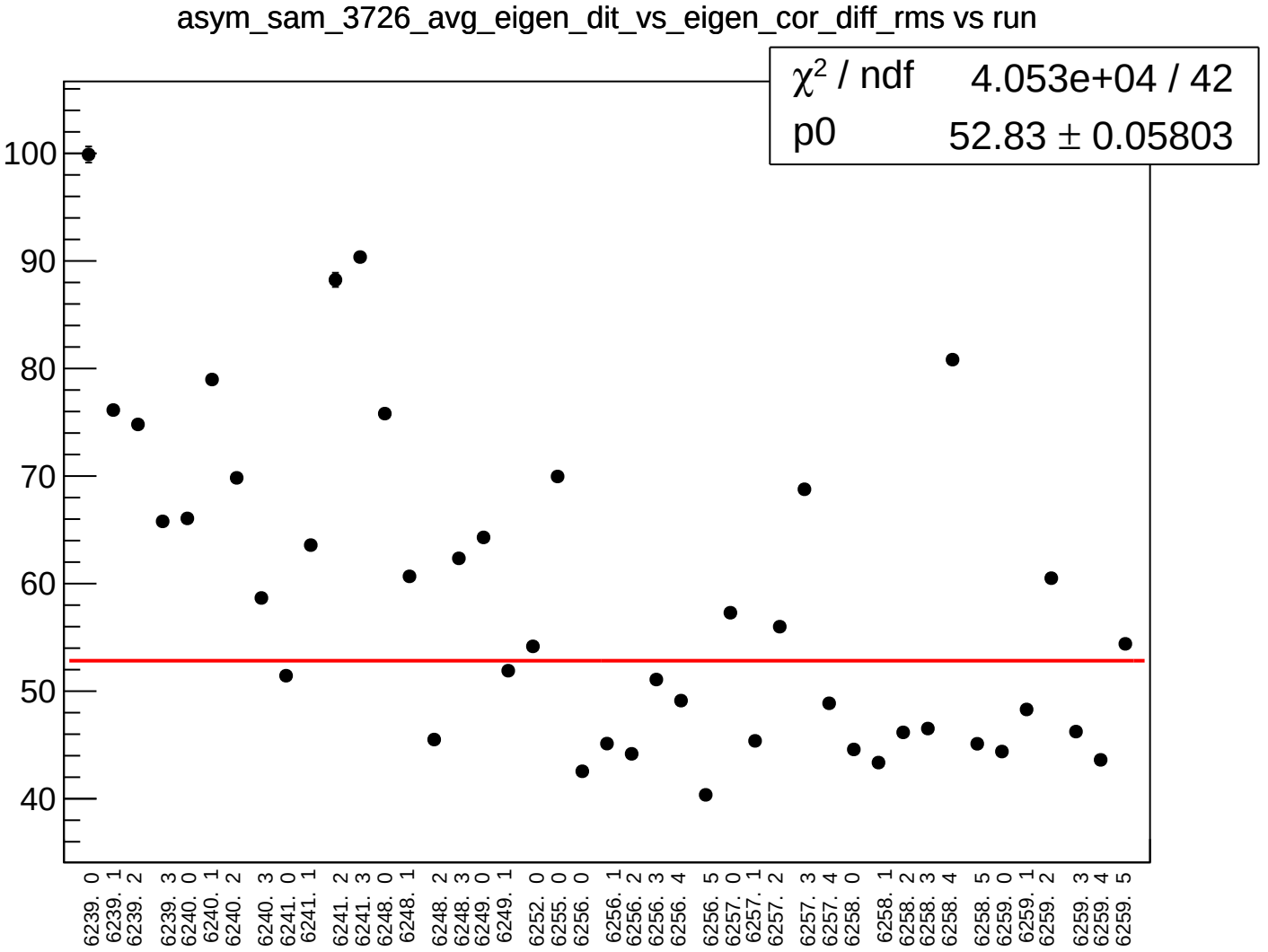

pull1D
Entries 43
Mean 0.1571
Std Dev 0.9398

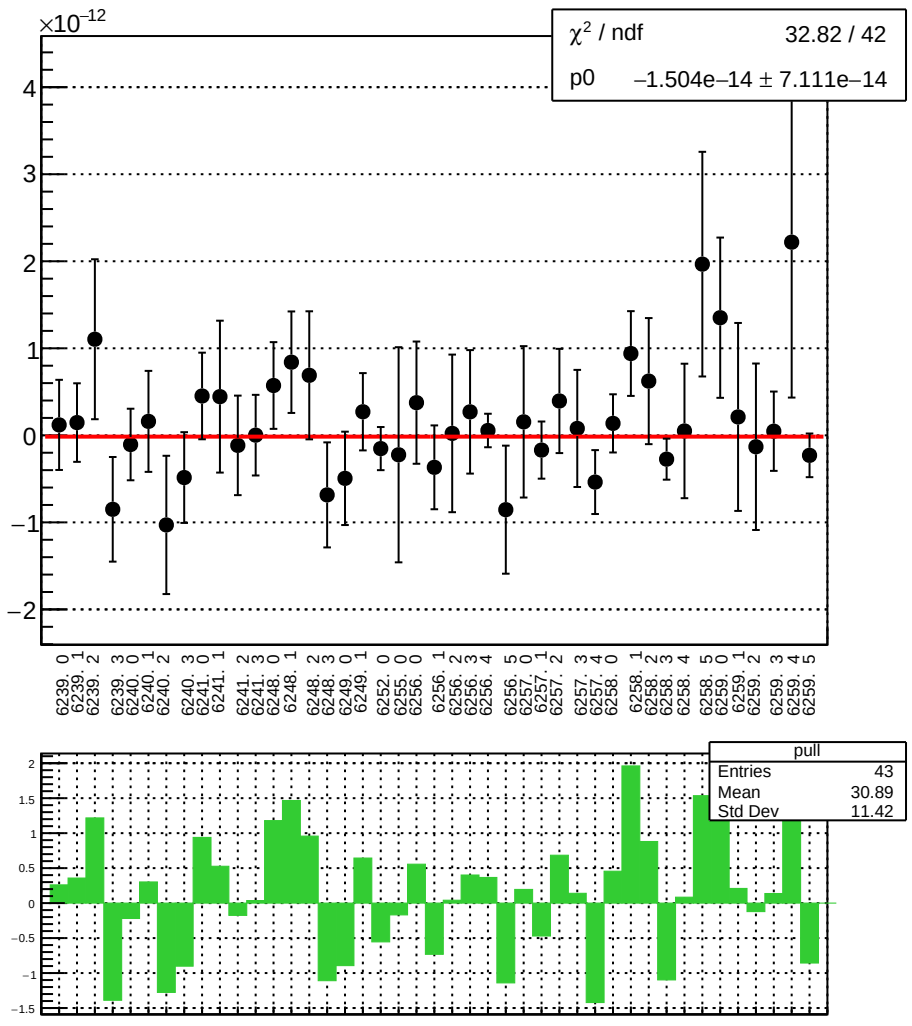

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.089e+05 / 42
p0 0.004352 ± 4.99e–06
0.008
0.007
0.006
0.005
0.004
0.003
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

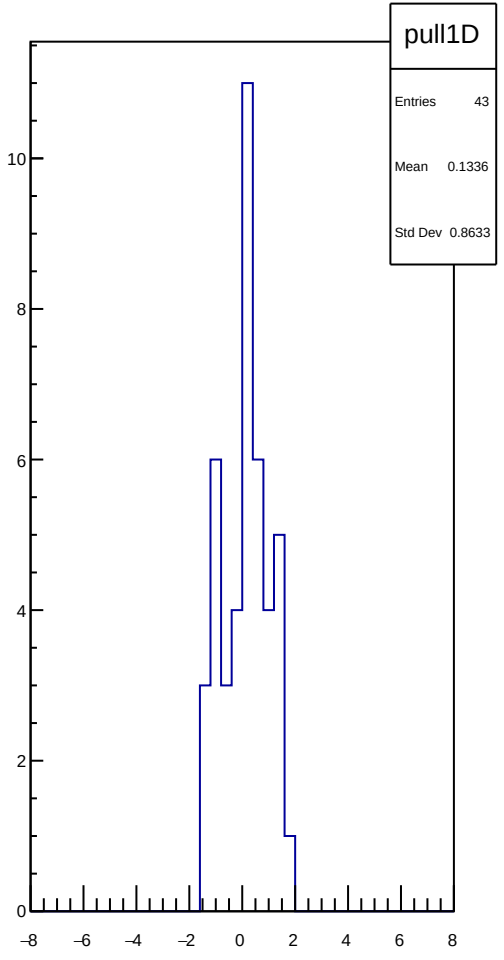

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.01 / 42
p0 0.05885 ± 0.08206
2
1
0
−1
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −110.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.009955
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

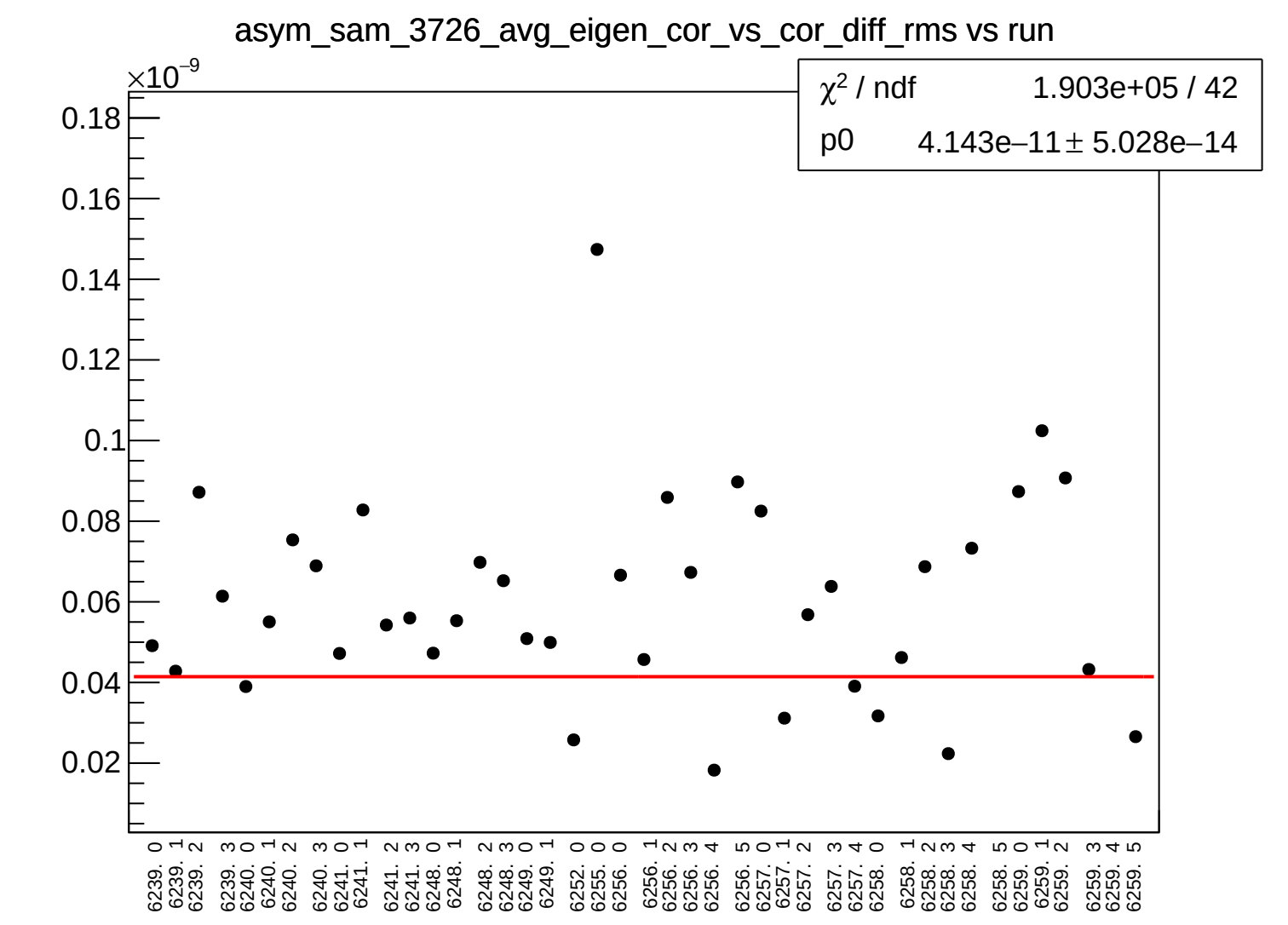

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 42
p0 52.83 ± 0.05803
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

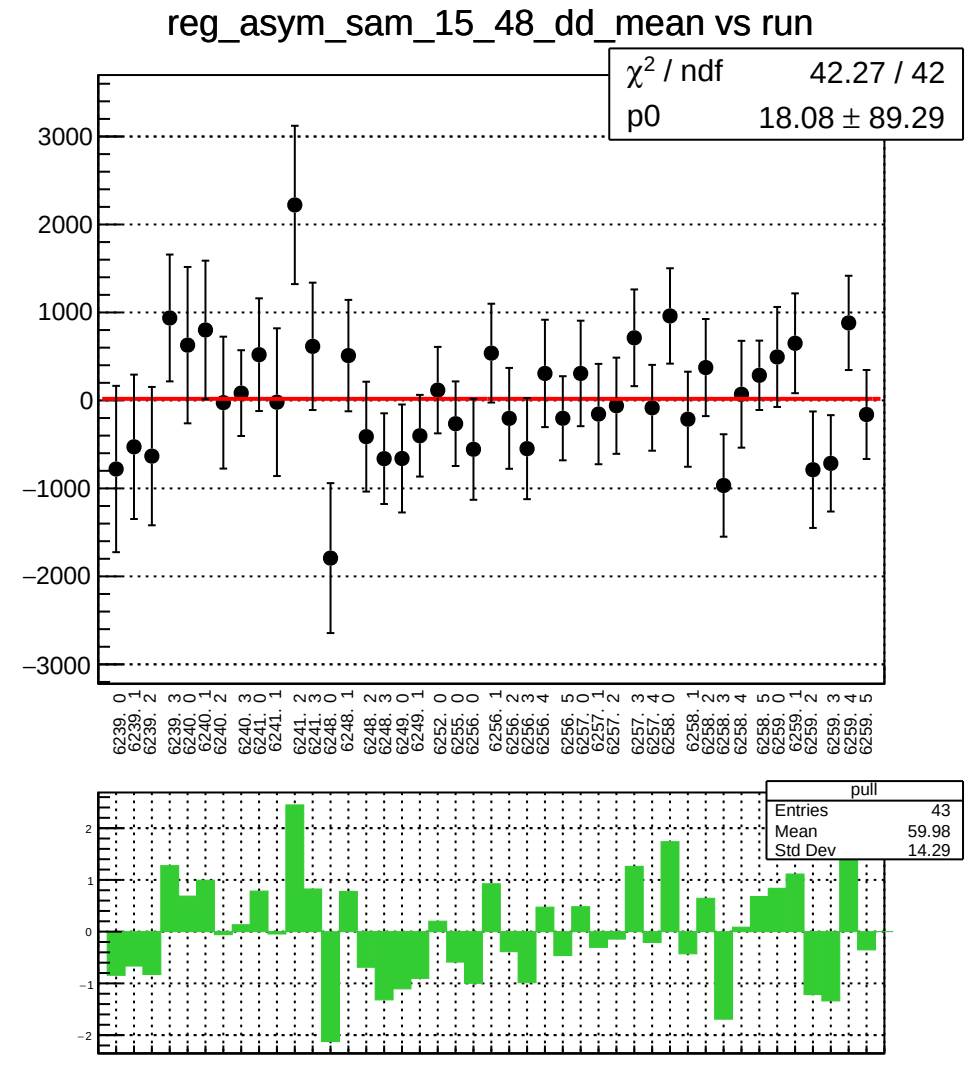

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.01 / 42
p0 0.05885 ± 0.08206
pull
Entries 43
Mean −110.1
Std Dev 0
pull1D
Entries 43
Mean −0.009955
Std Dev 1.046

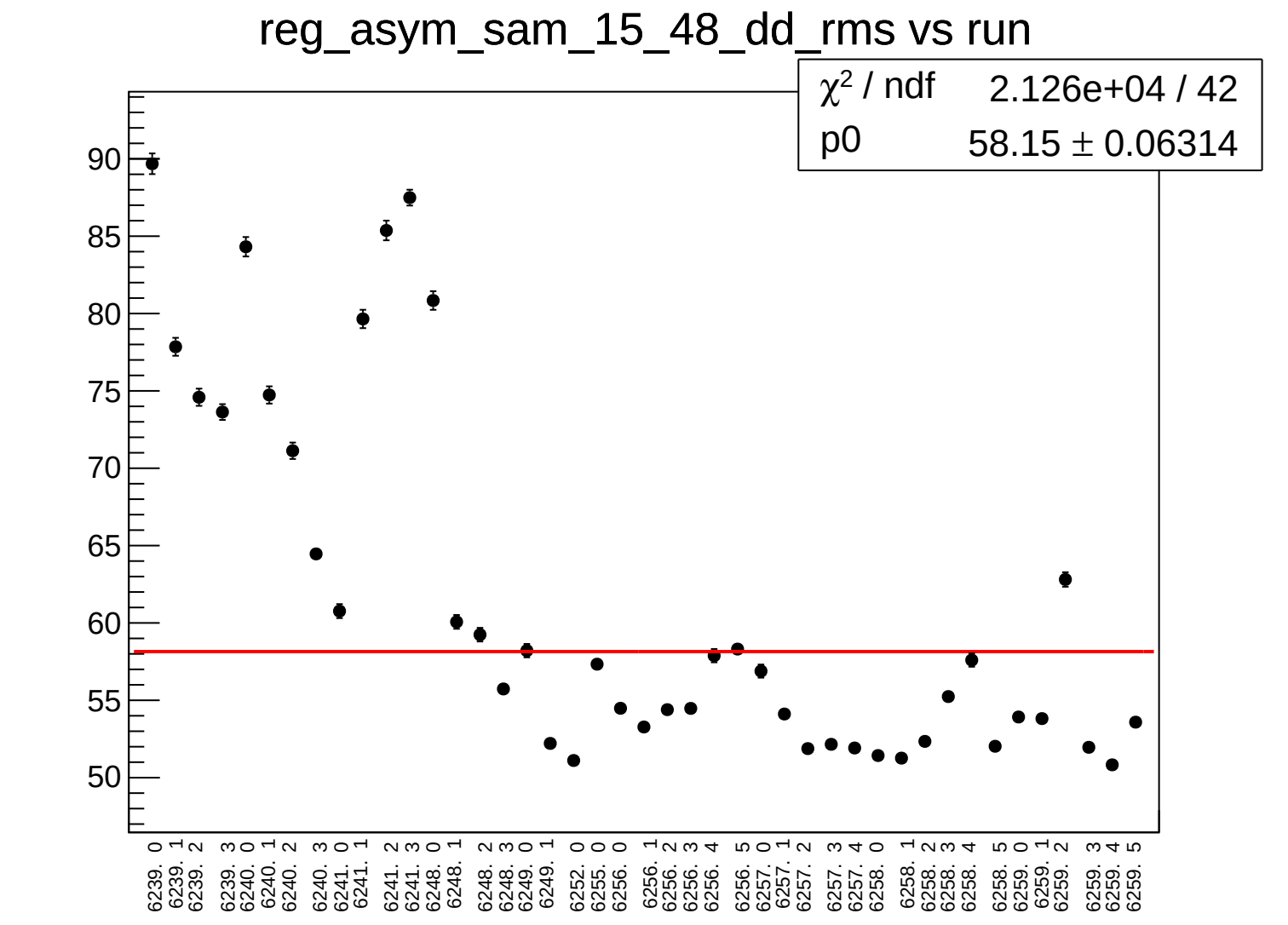

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 42
p0 52.83 ± 0.05803
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

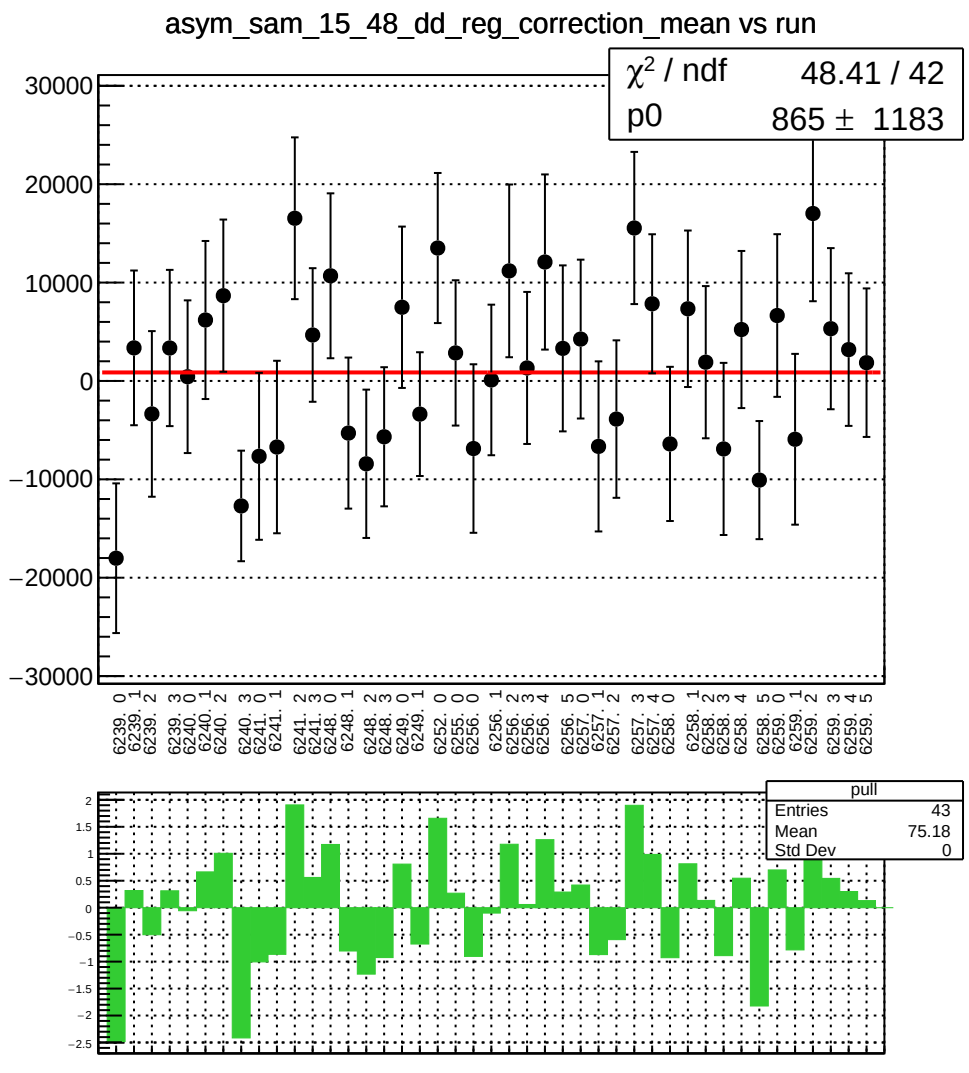

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 32.82 / 42
p0 −1.504e−14 ± 7.111e−14
pull
Entries 43
Mean 30.89
Std Dev 11.42

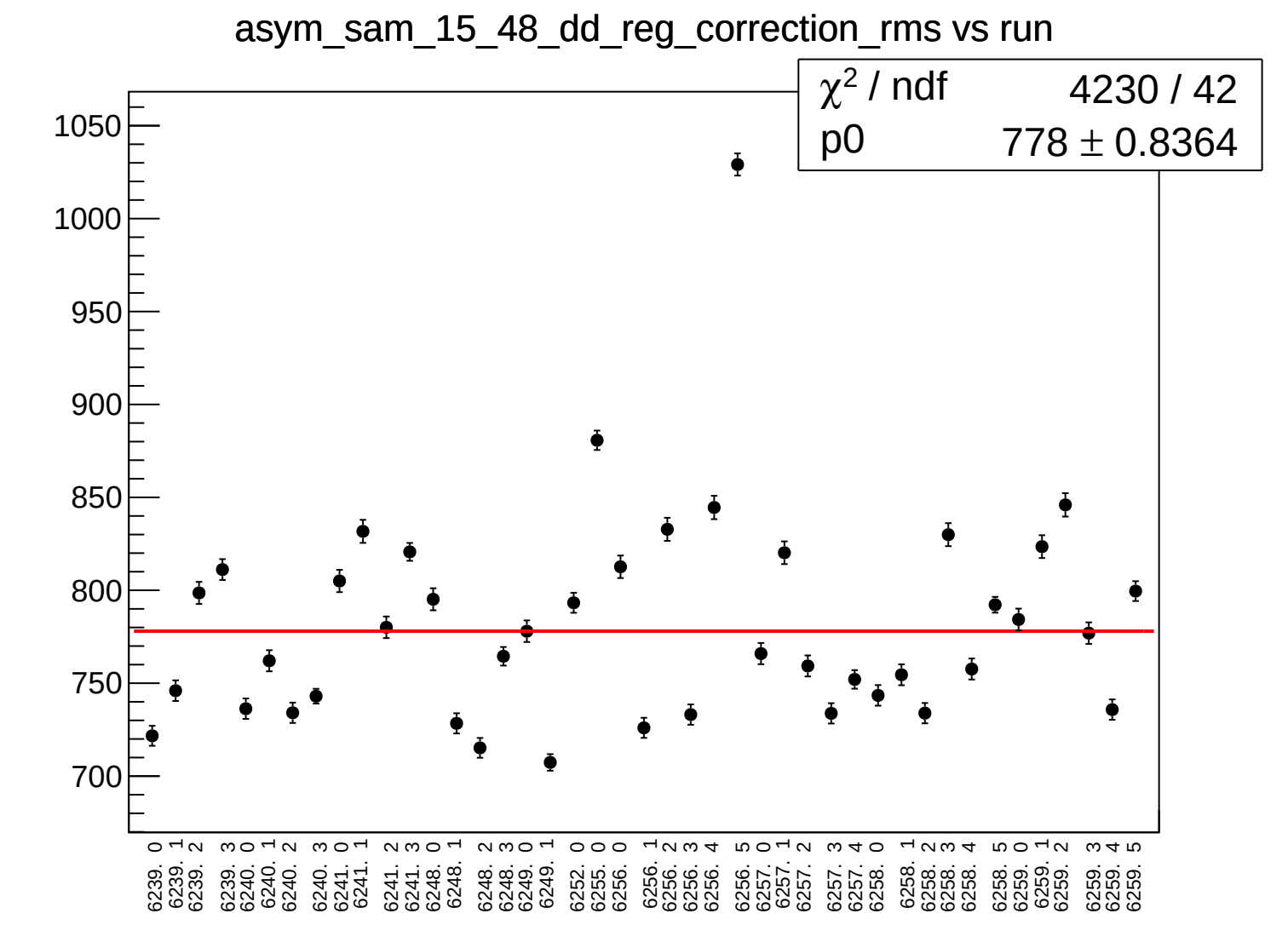

pull1D
Entries 43
Mean 0.1336
Std Dev 0.8633

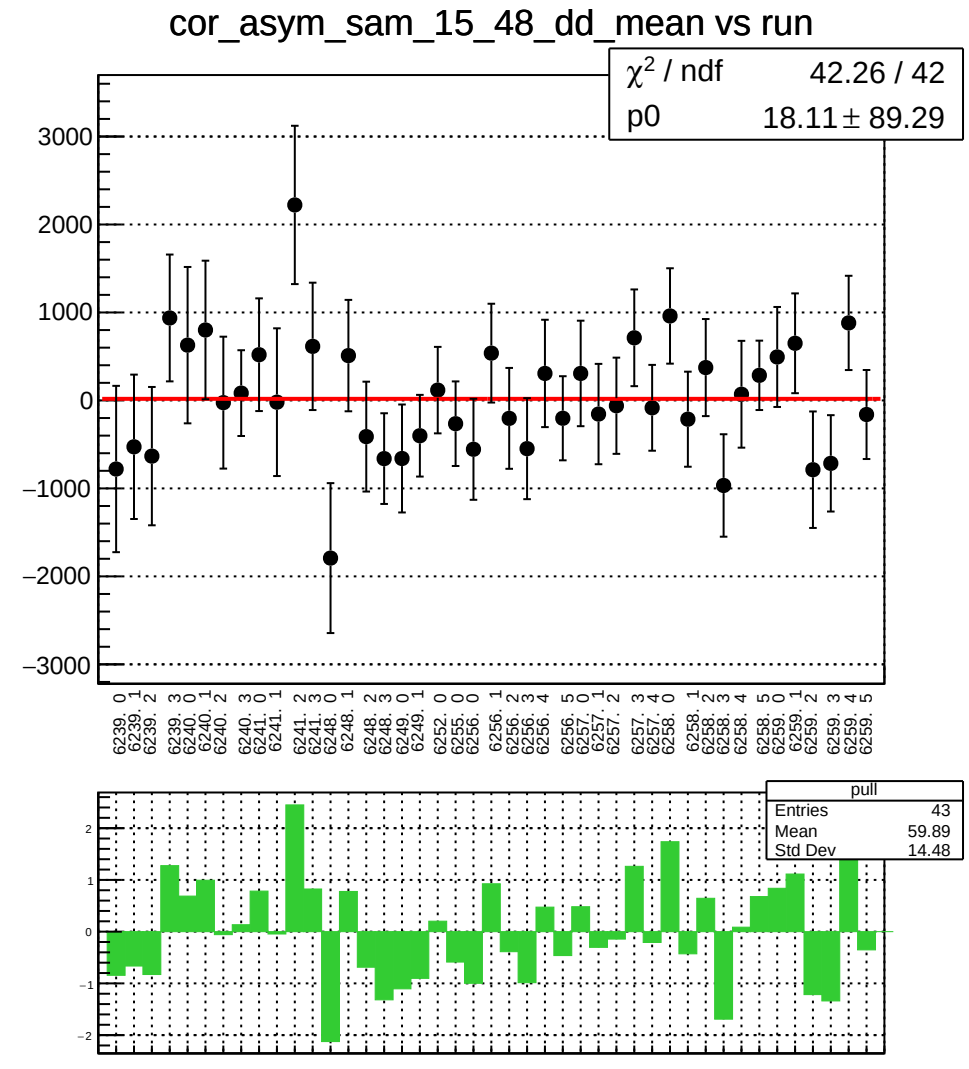

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.903e+05 / 42
p0 4.143e−11 ± 5.028e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

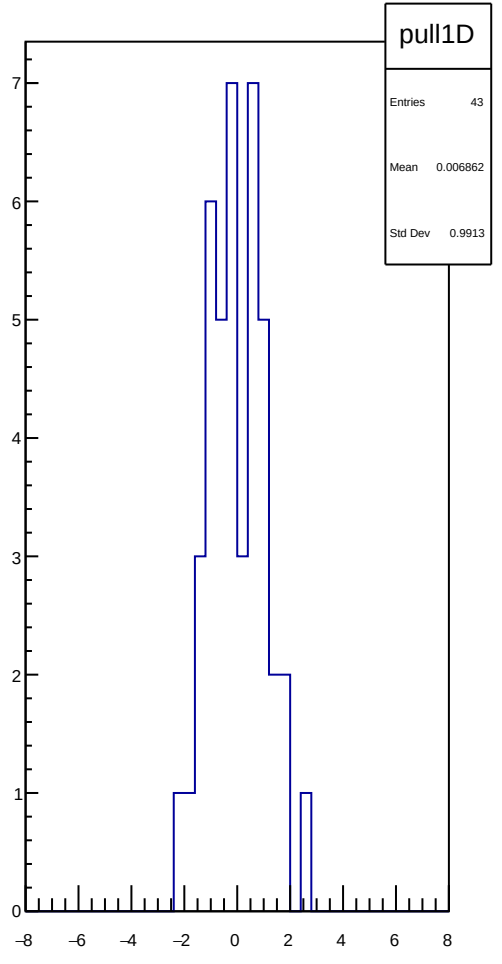

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 42.27 / 42
p0 18.08 ± 89.29
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.98
Std Dev 14.29
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.006859
Std Dev 0.9914
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

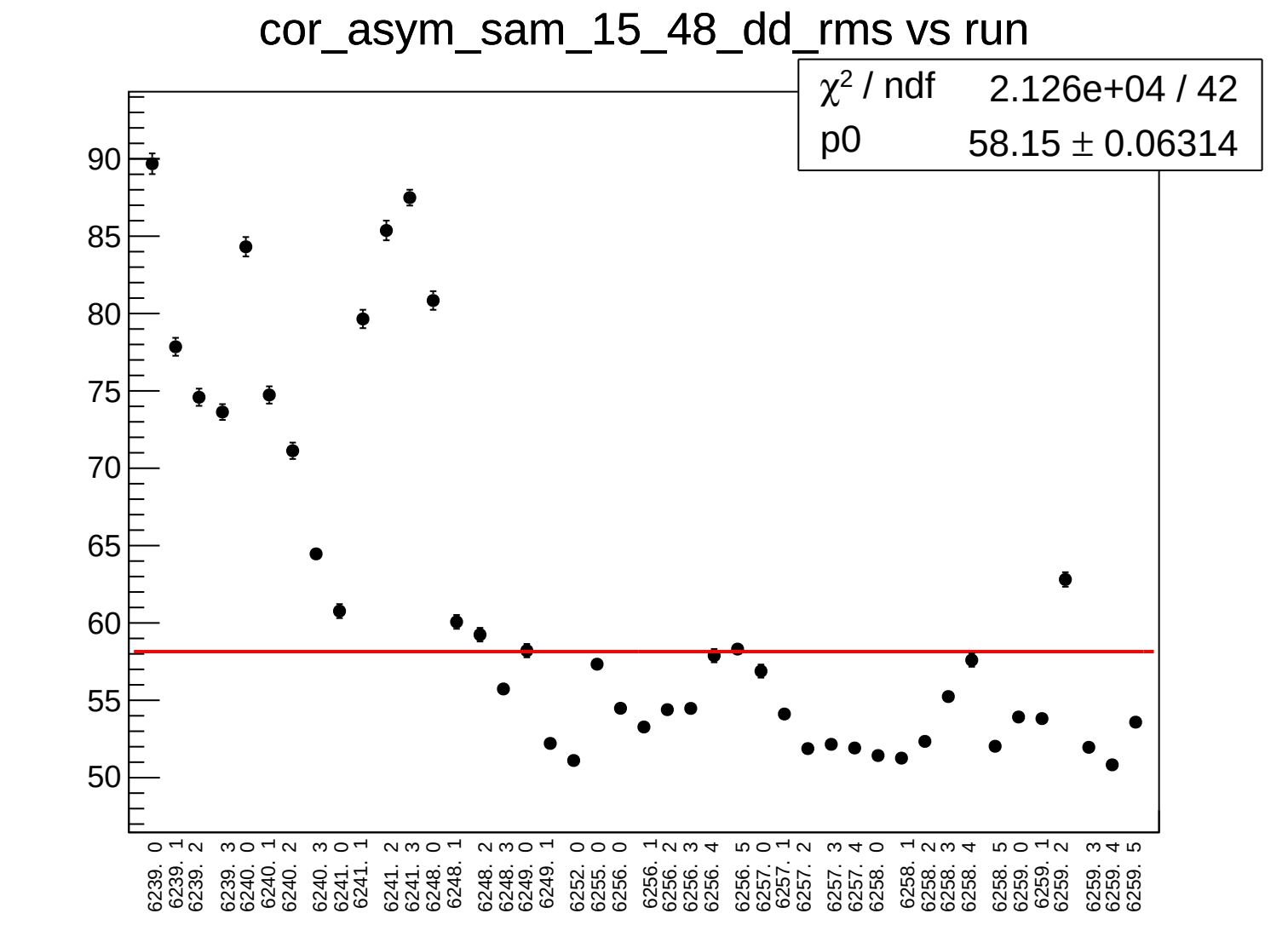

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.126e+04 / 42
p0 58.15 ± 0.06314
90
85
80
75
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 48.41 / 42
p0 865 ± 1183
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.04432
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 4230 / 42
p0 778 ± 0.8364
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 42.26 / 42
p0 18.11 ± 89.29
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.89
Std Dev 14.48
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.006862
Std Dev 0.9913
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.126e+04 / 42
p0 58.15 ± 0.06314
90
85
80
75
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
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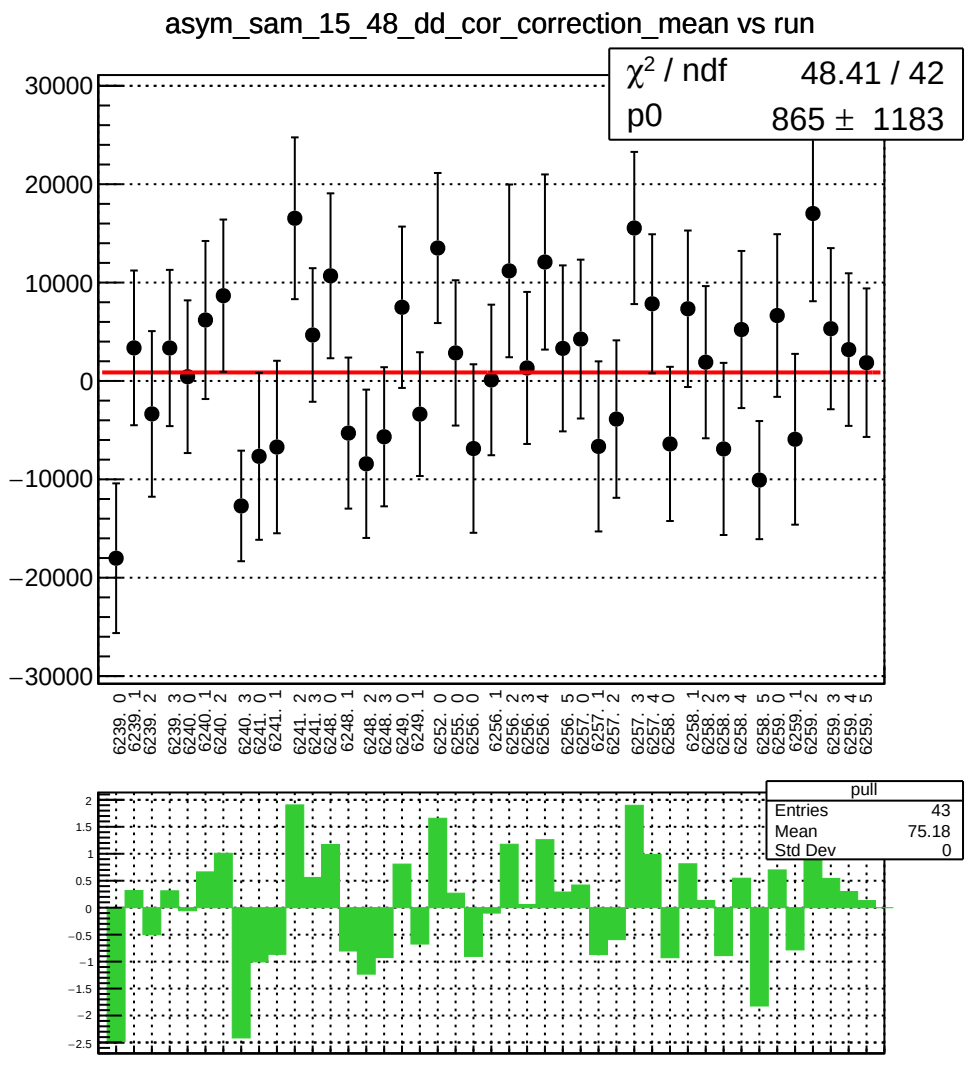
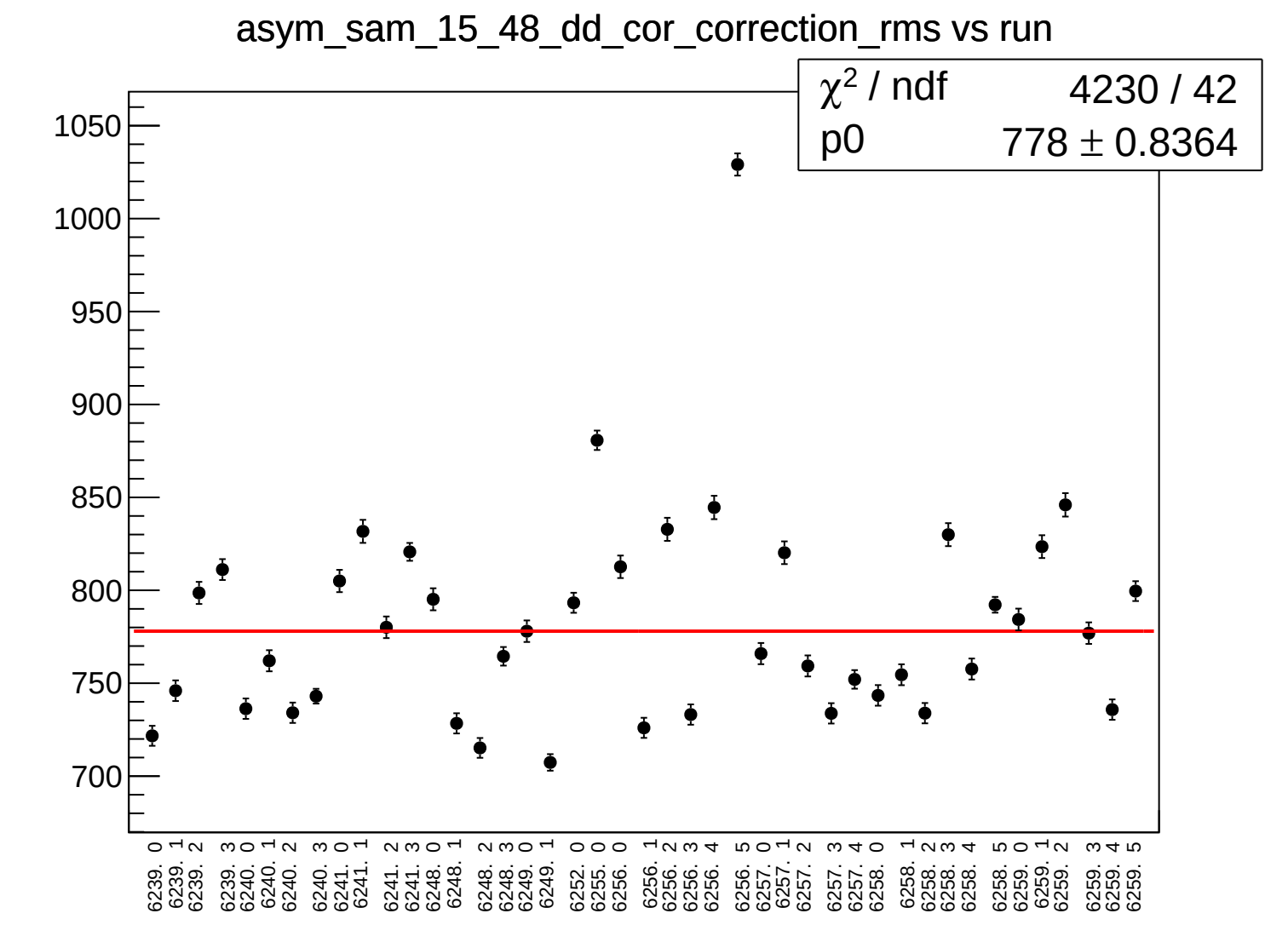
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 48.41 / 42
p0 865 ± 1183
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.04433
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 4230 / 42
p0 778 ± 0.8364
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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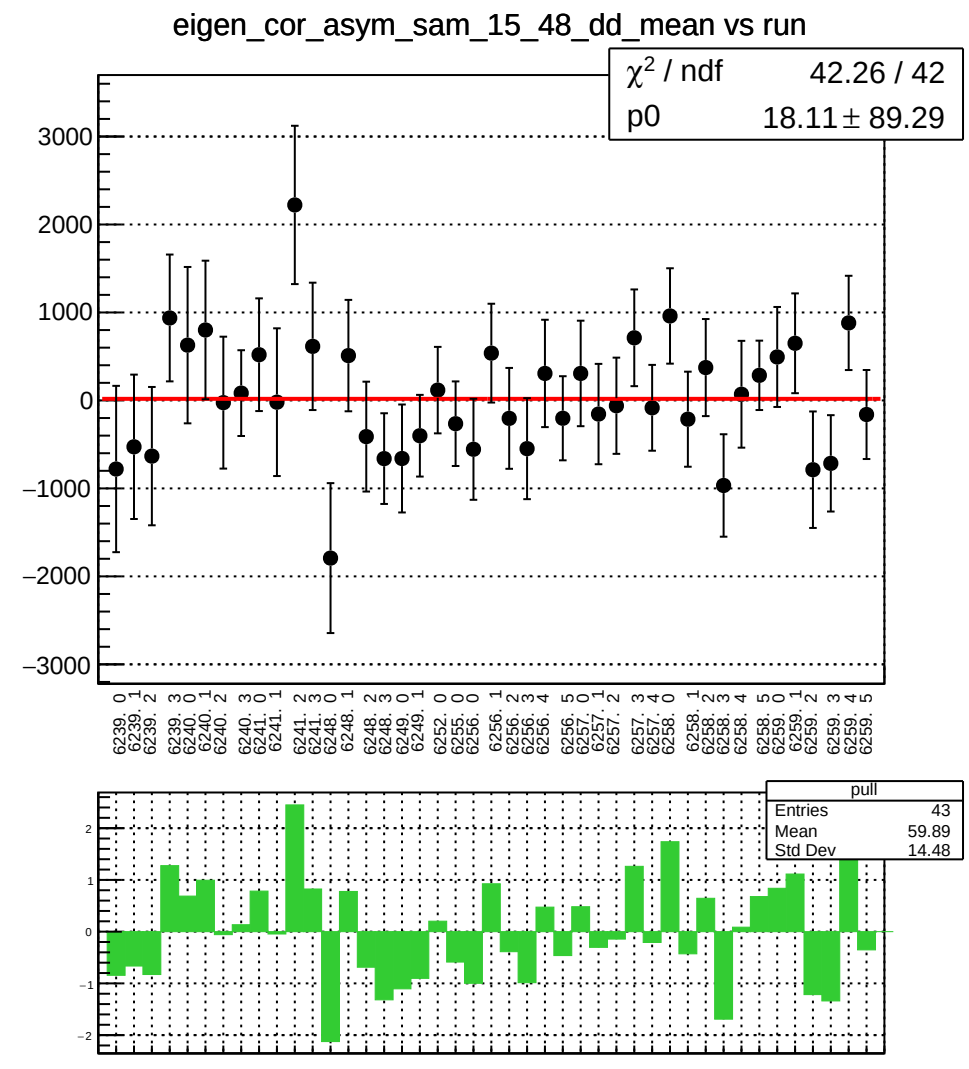
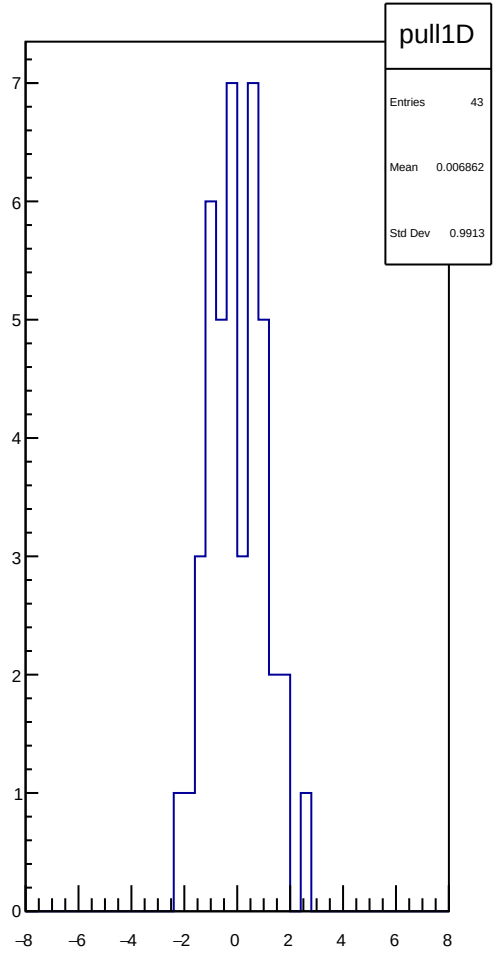
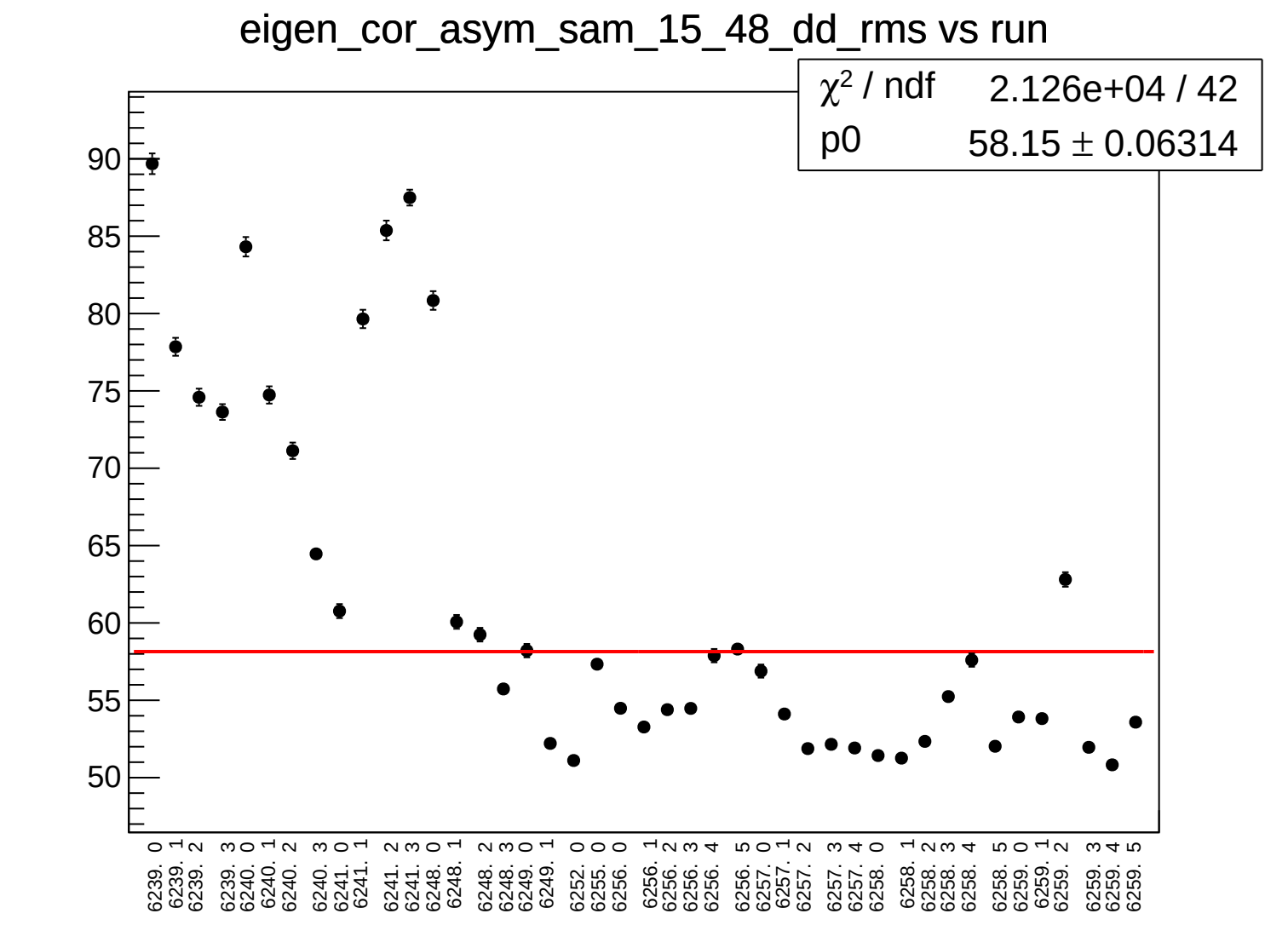
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 42.26 / 42
p0 18.11 ± 89.29
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.89
Std Dev 14.48
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.006862
Std Dev 0.9913
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.126e+04 / 42
p0 58.15 ± 0.06314
90
85
80
75
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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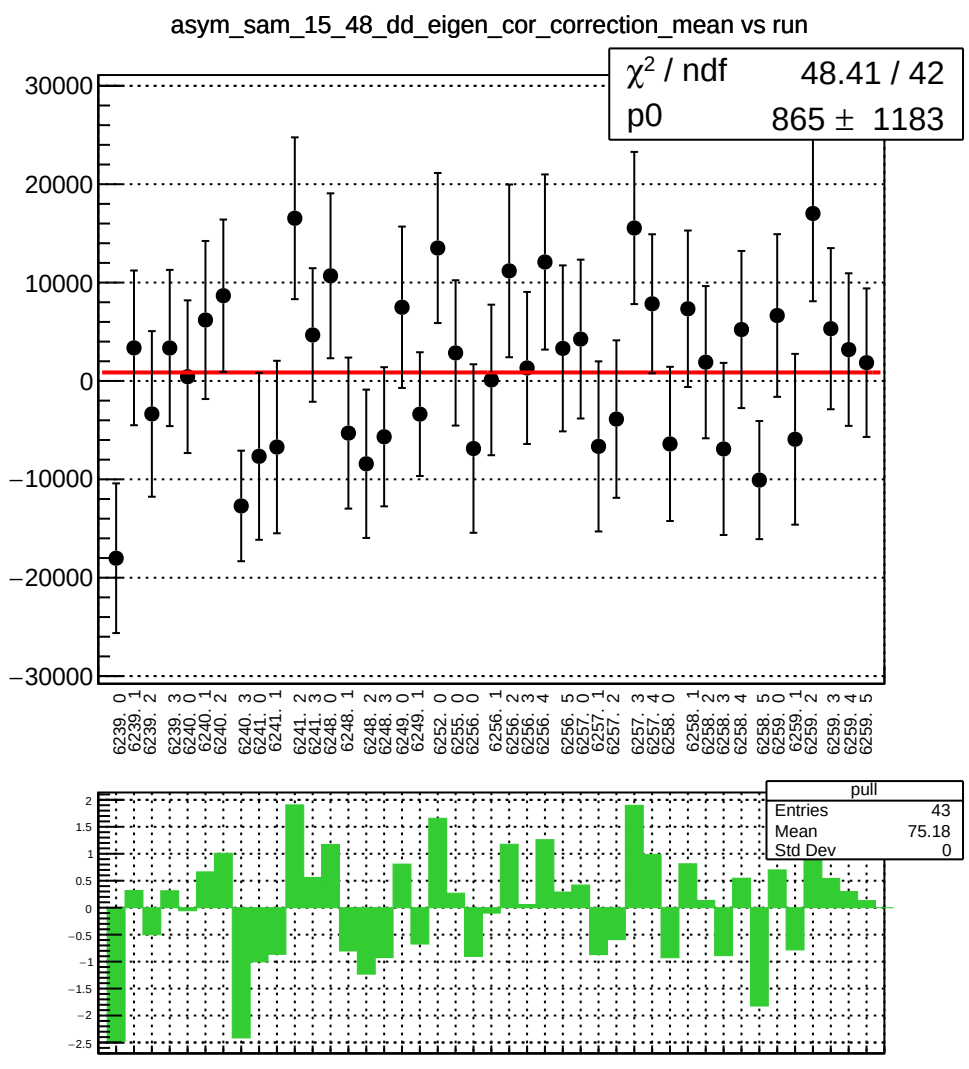
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.41 / 42
p0 865 ± 1183
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
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6248. 3
6249. 0
6249. 1
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6255. 0
6256. 0
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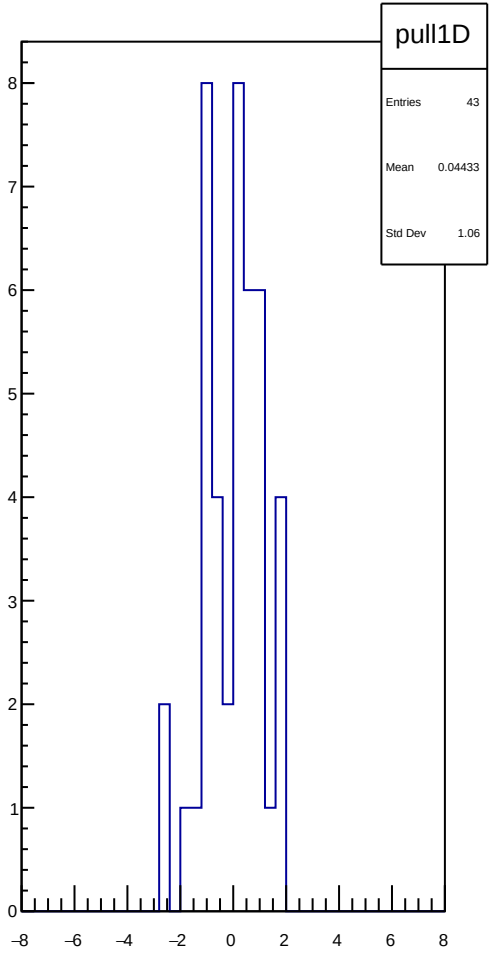
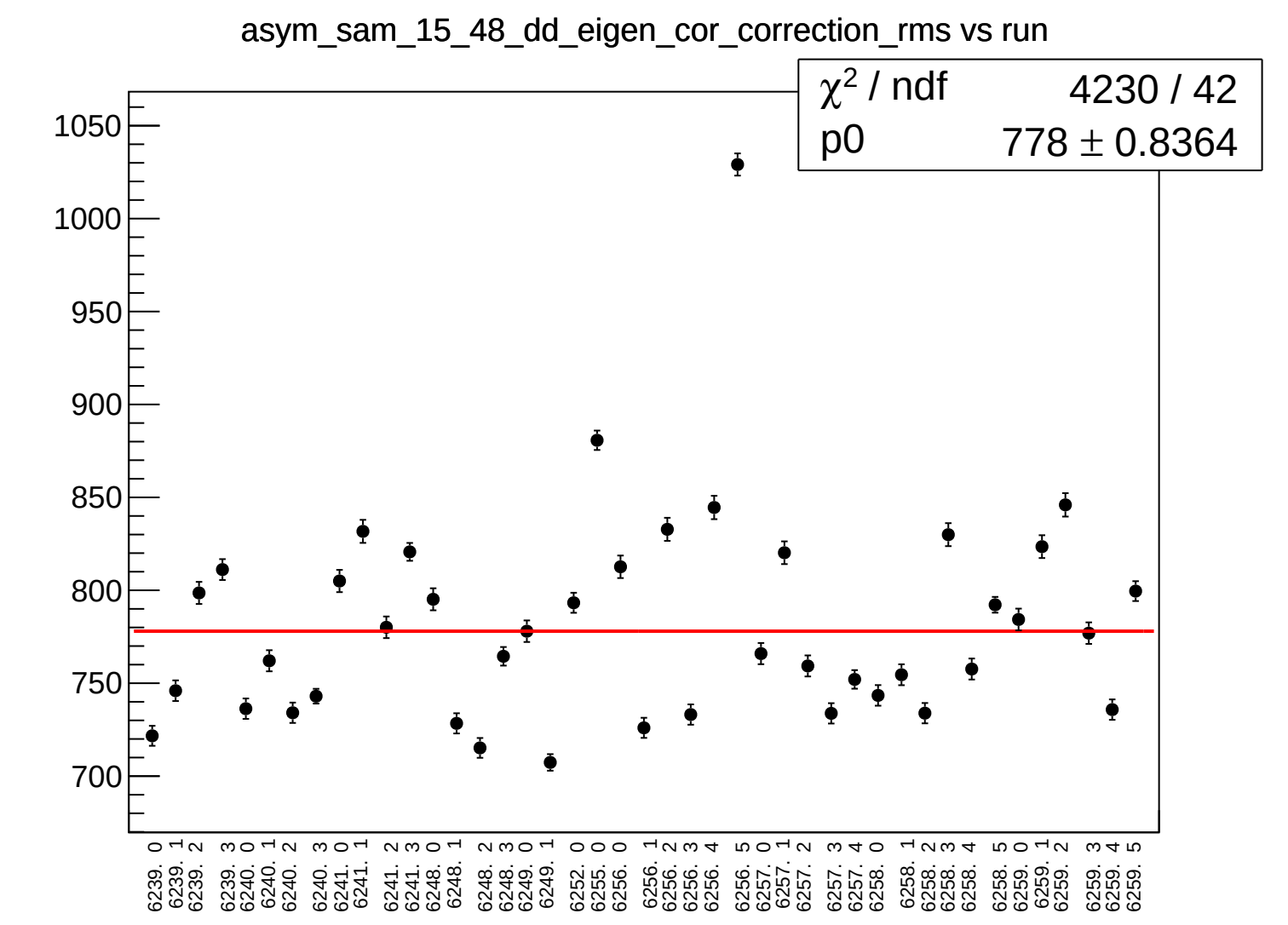
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 43
Mean 0.04433
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4230 / 42
p0 778 ± 0.8364
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 2
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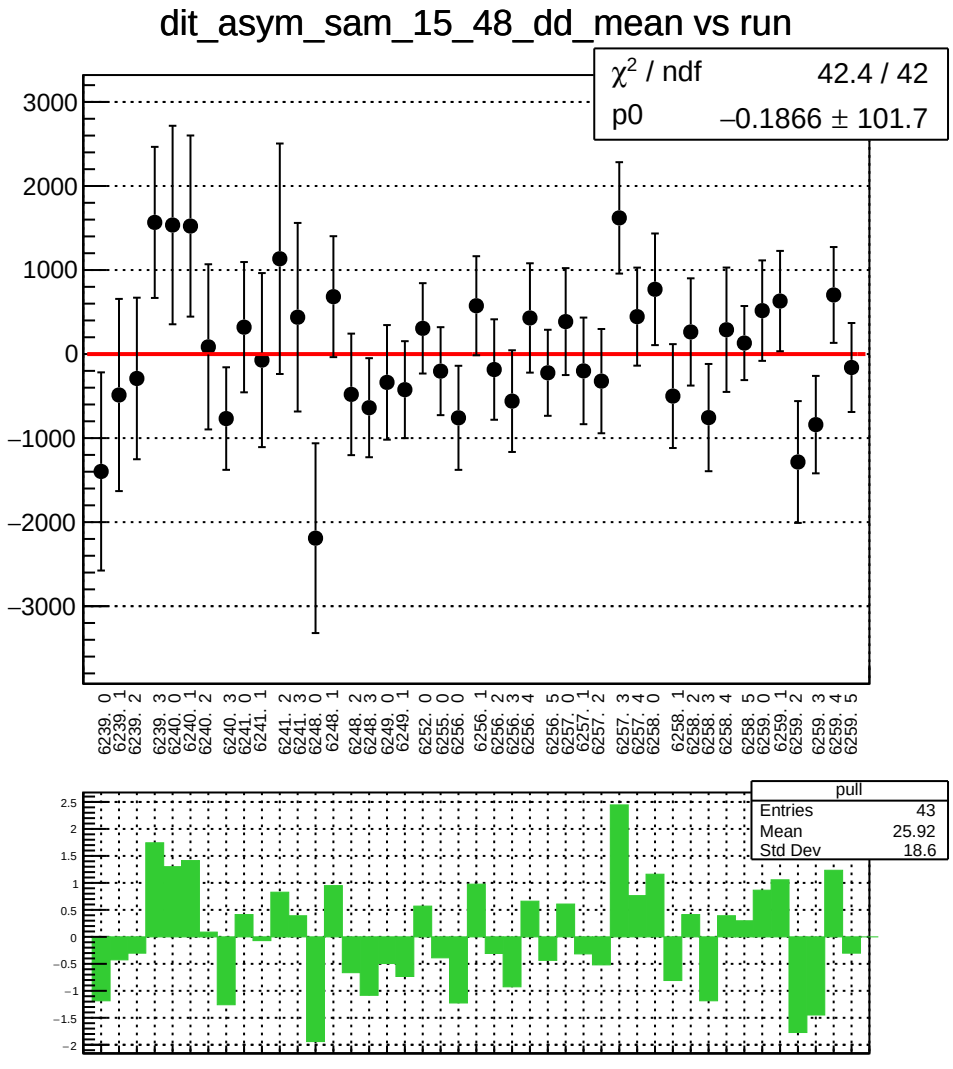
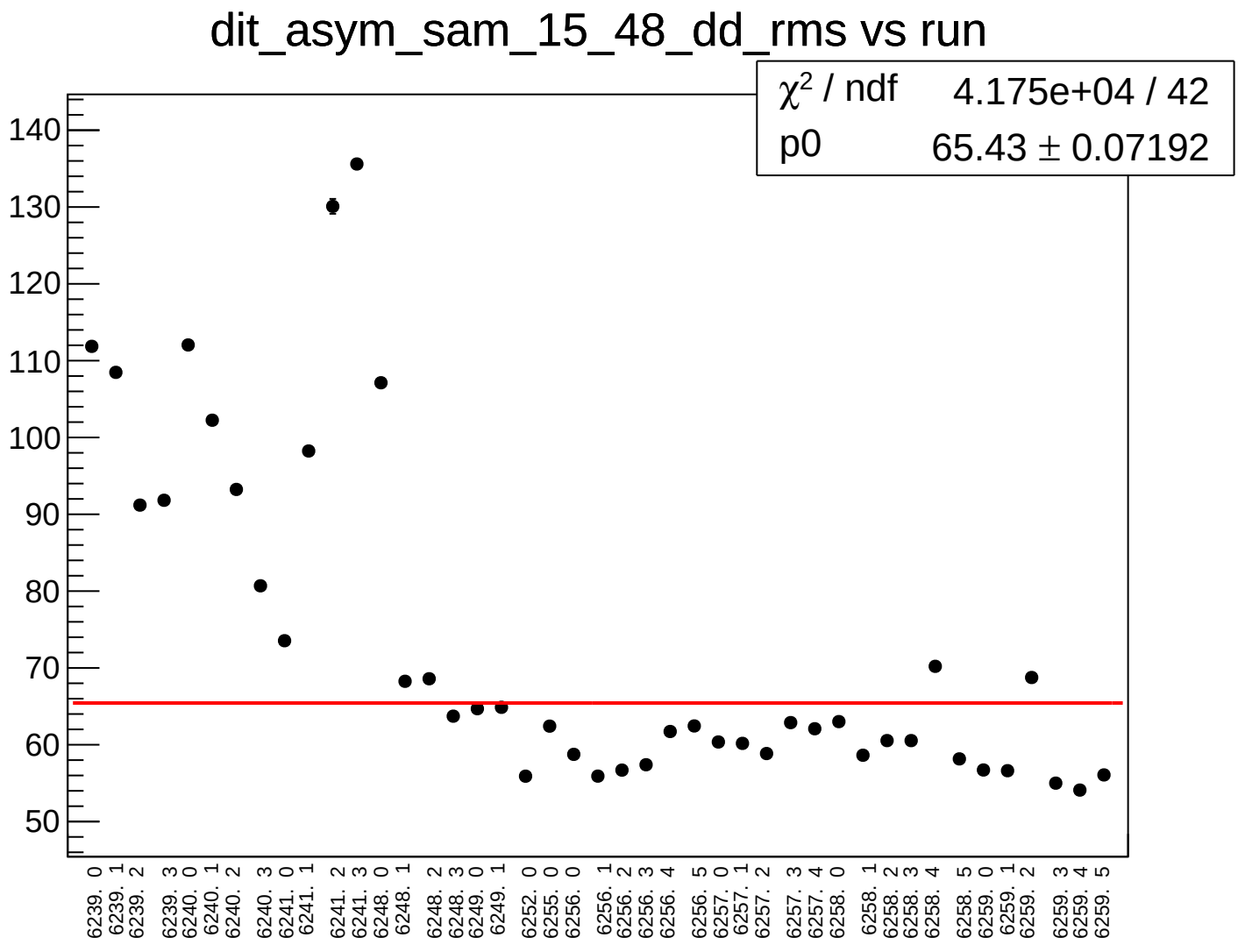
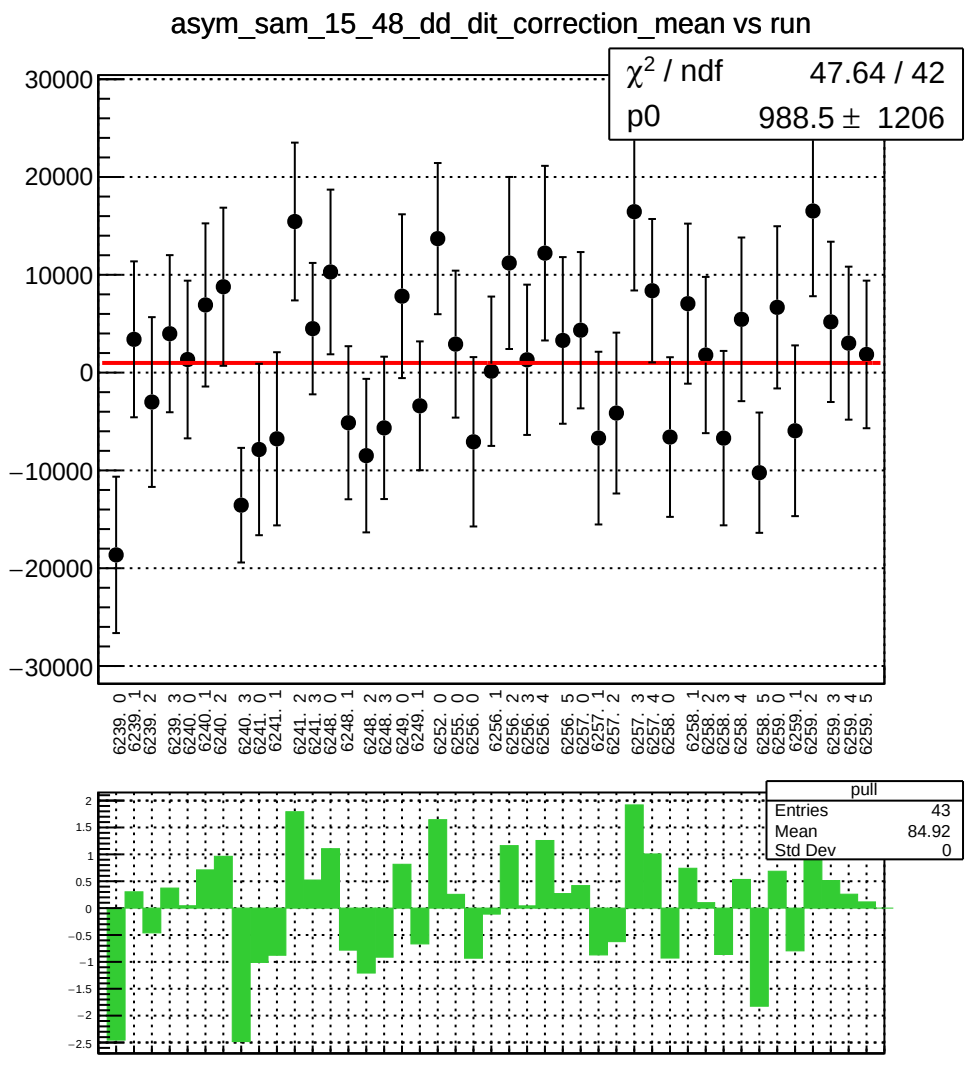
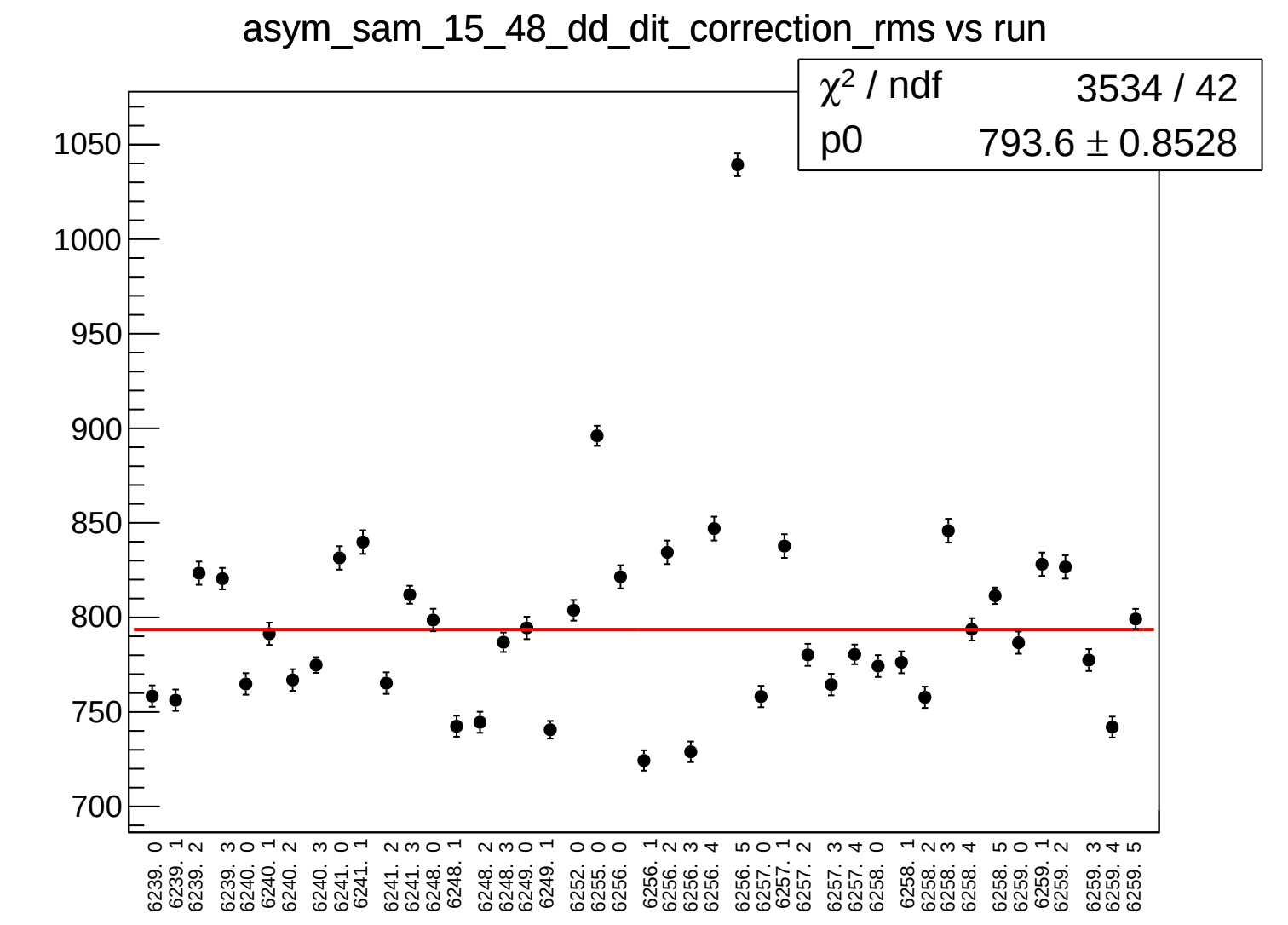
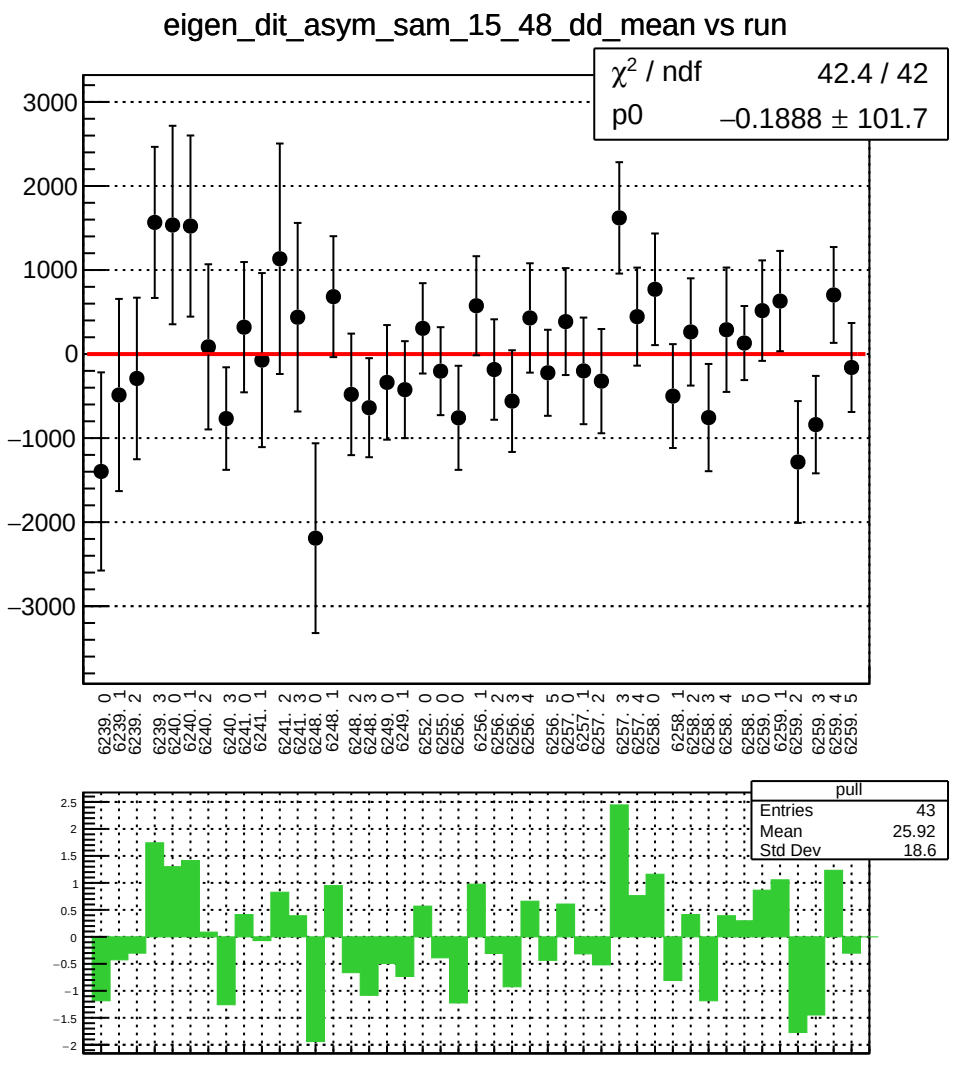
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

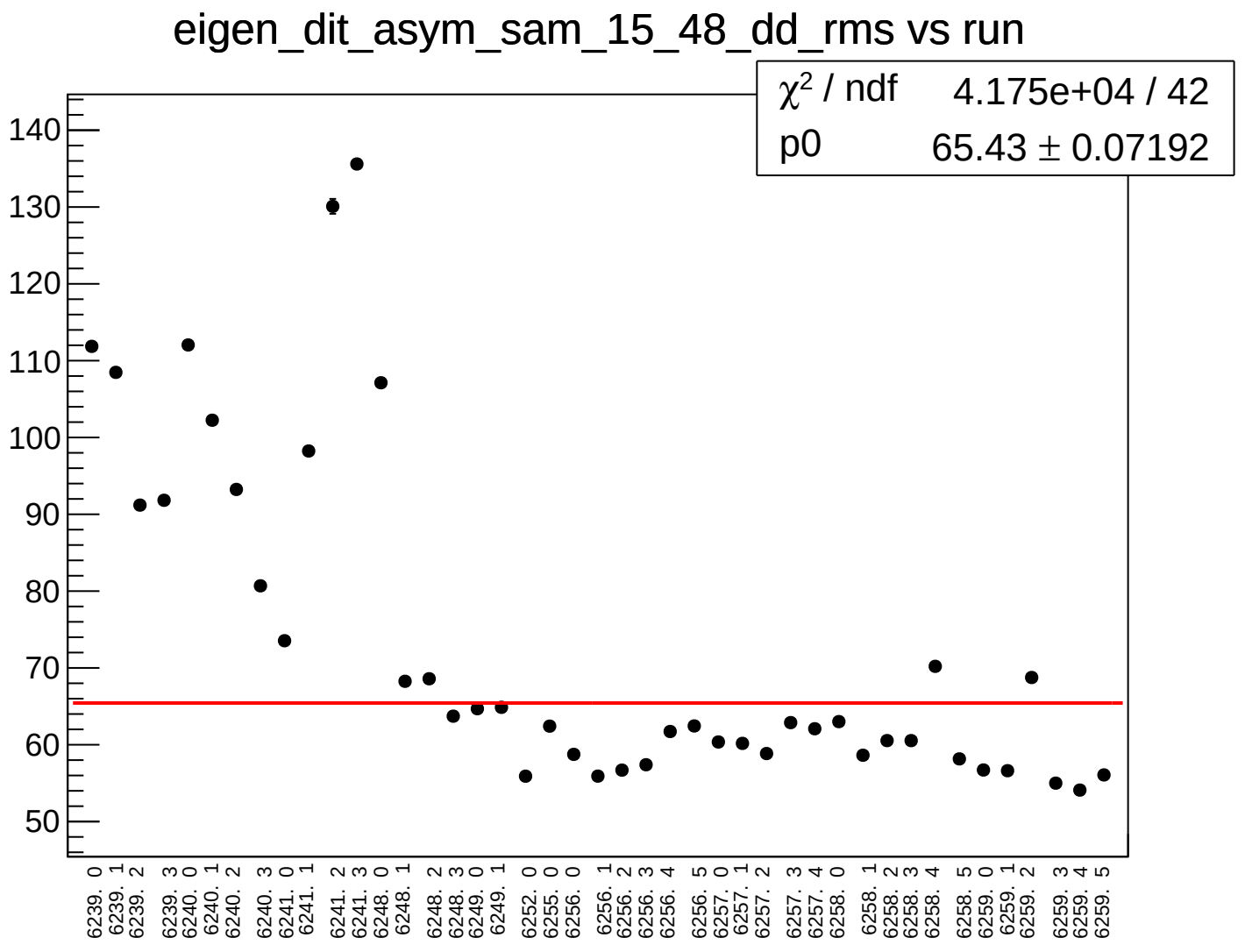

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 42.4 / 42
p0 −0.1866 ± 101.7
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 25.92
Std Dev 18.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01826
Std Dev 0.9928
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

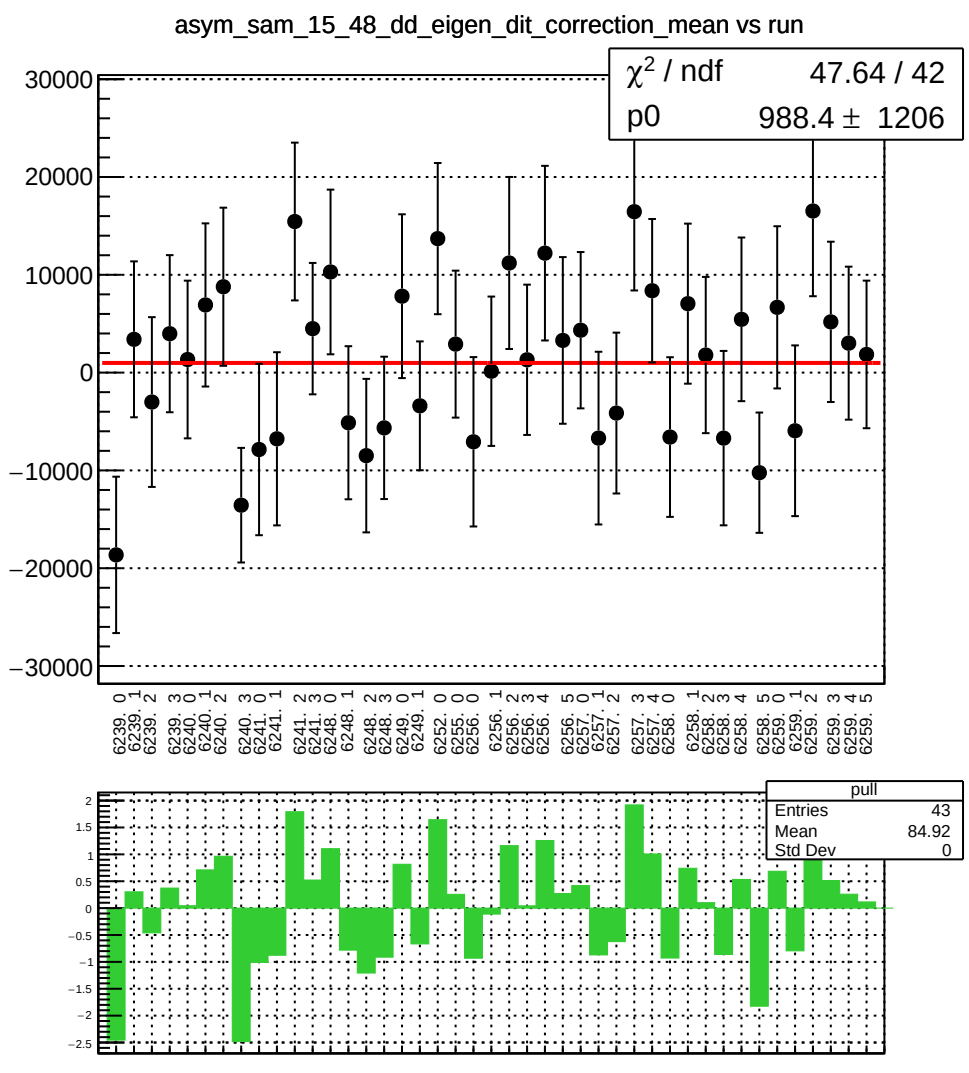

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.175e+04 / 42
p0 65.43 ± 0.07192
140
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

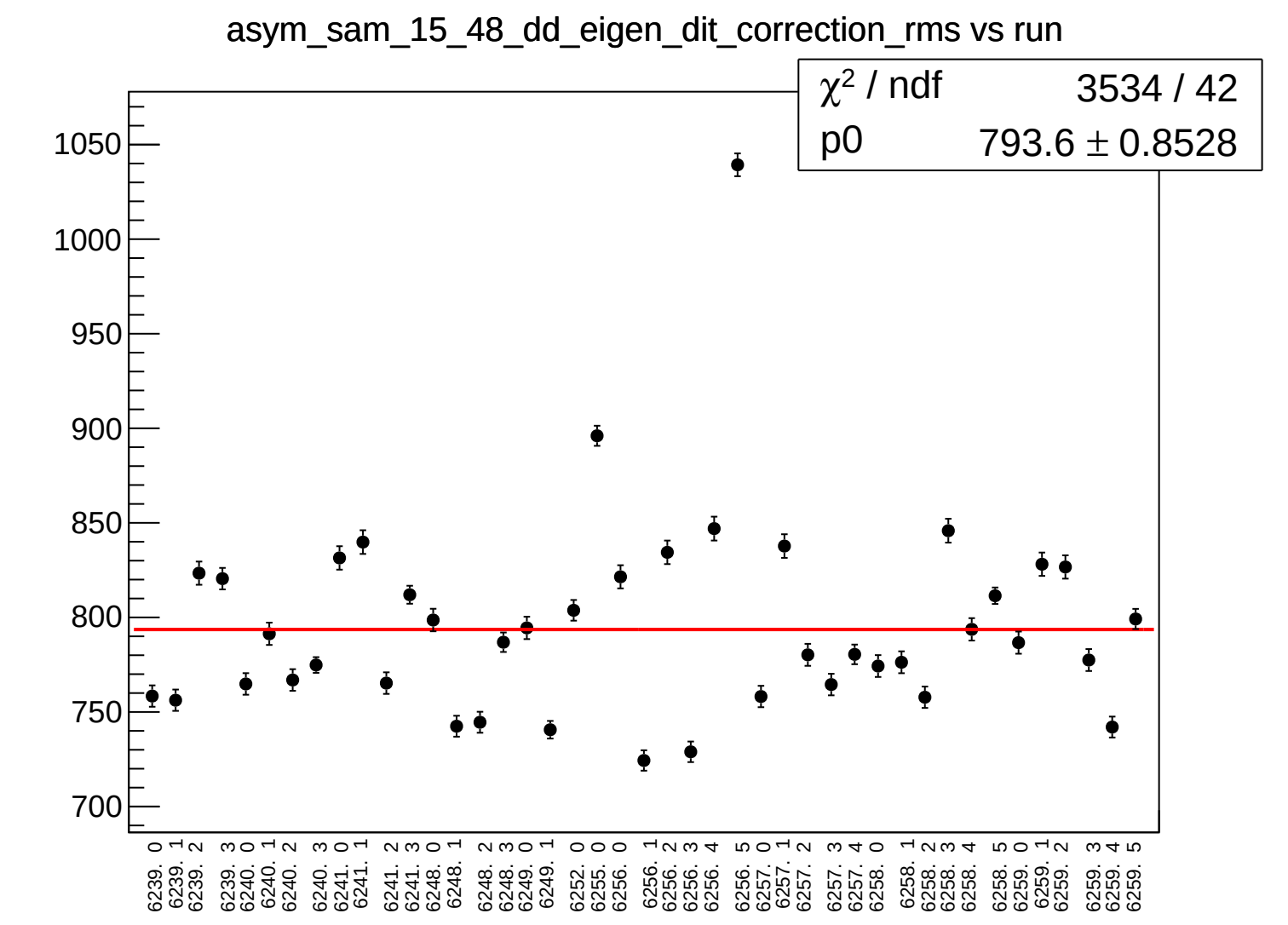

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 47.64 / 42
p0 988.5 ± 1206
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 84.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03579
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

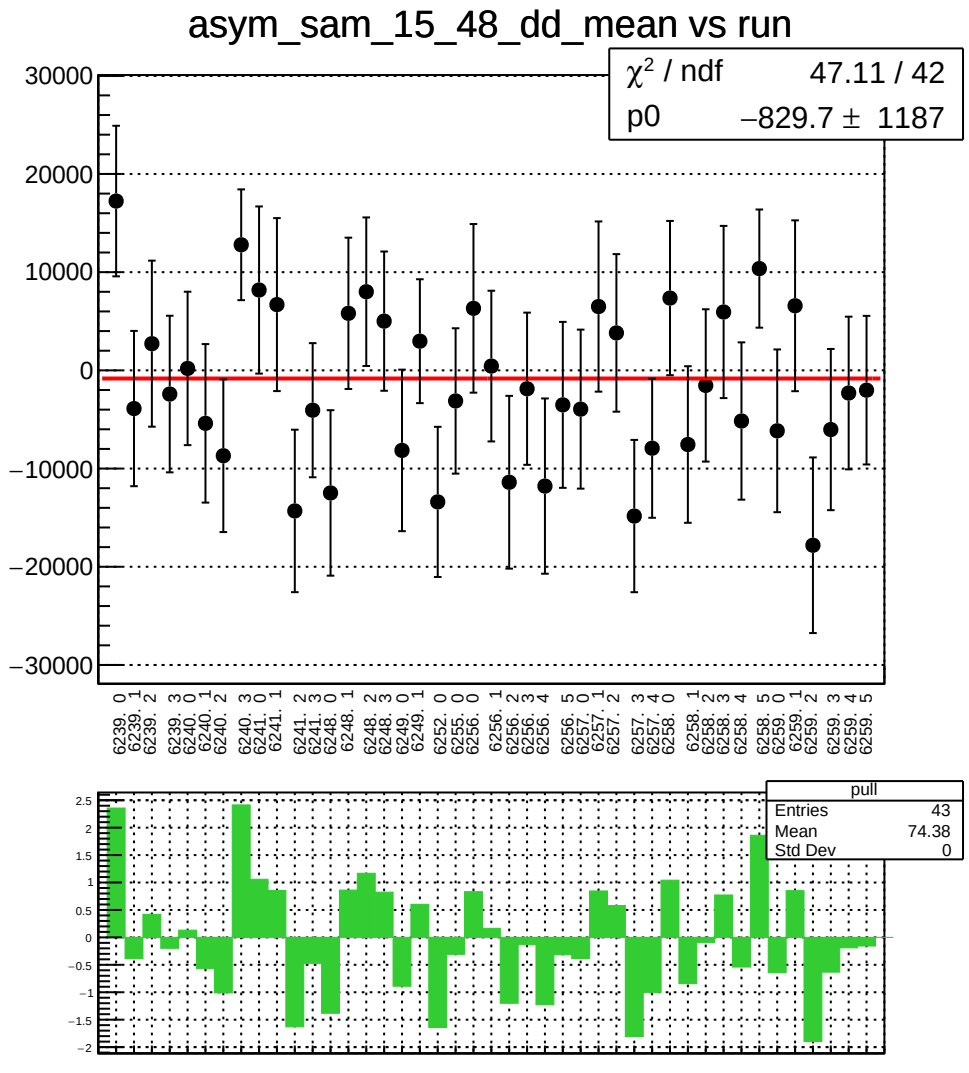

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 3534 / 42
p0 793.6 ± 0.8528
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

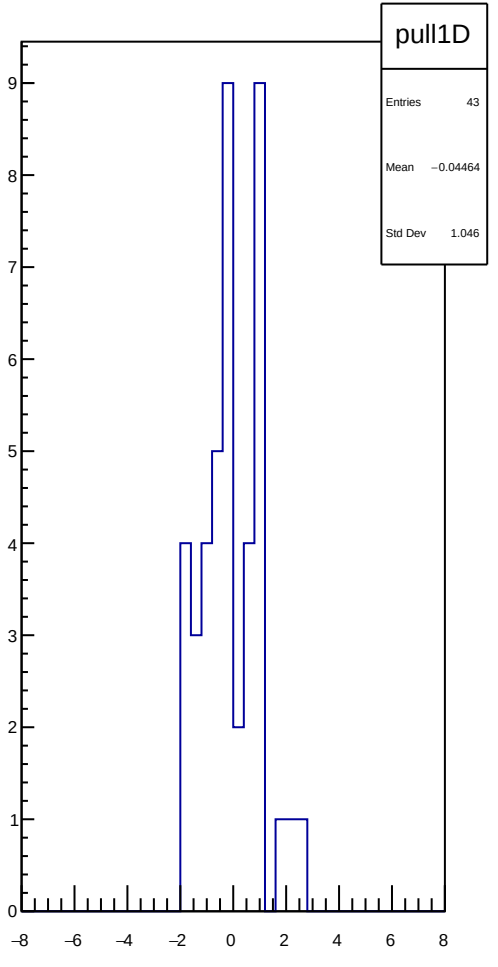

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 42.4 / 42
p0 −0.1888 ± 101.7
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 25.92
Std Dev 18.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01826
Std Dev 0.9928
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

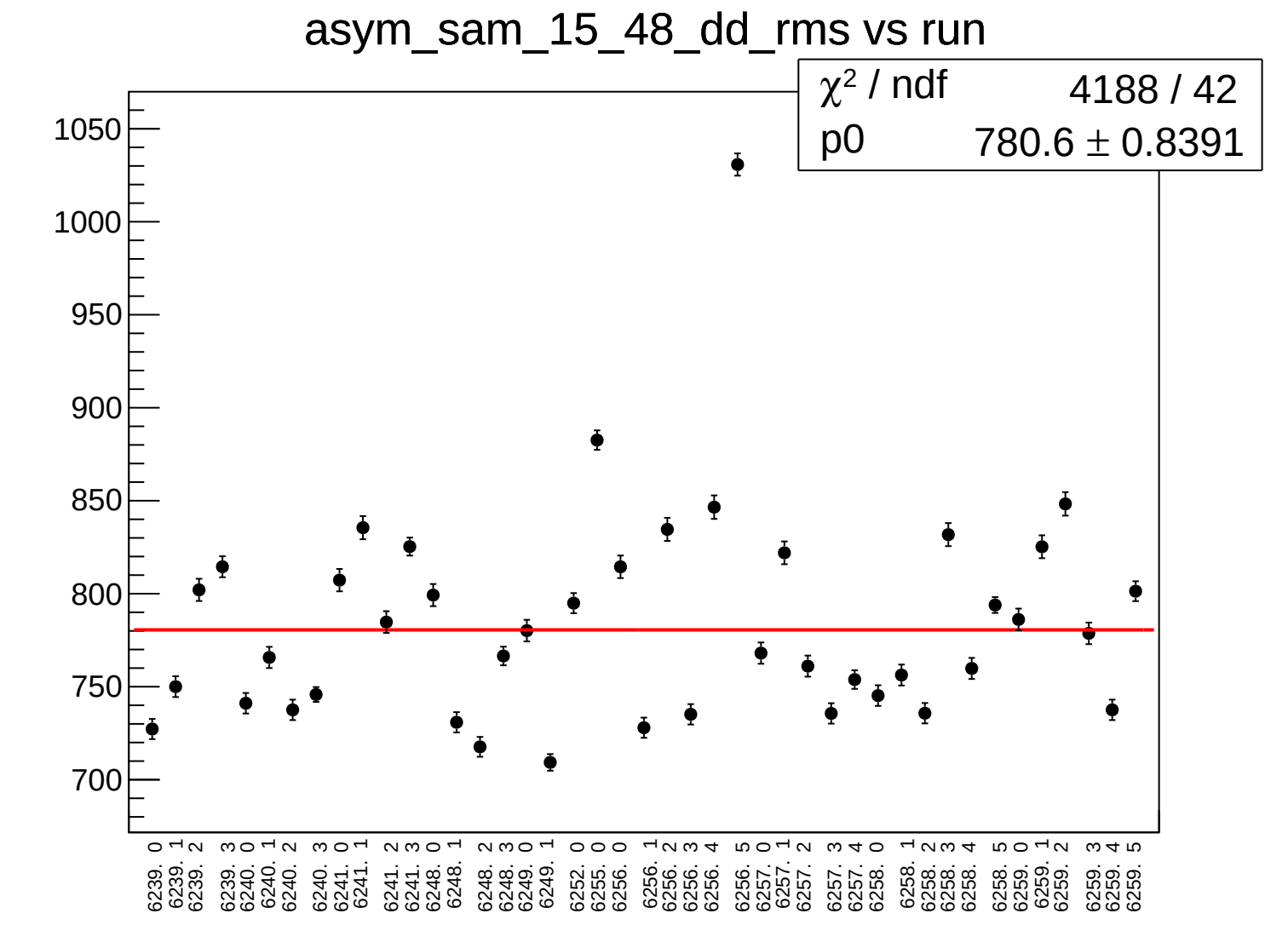

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.175e+04 / 42
p0 65.43 ± 0.07192
140
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

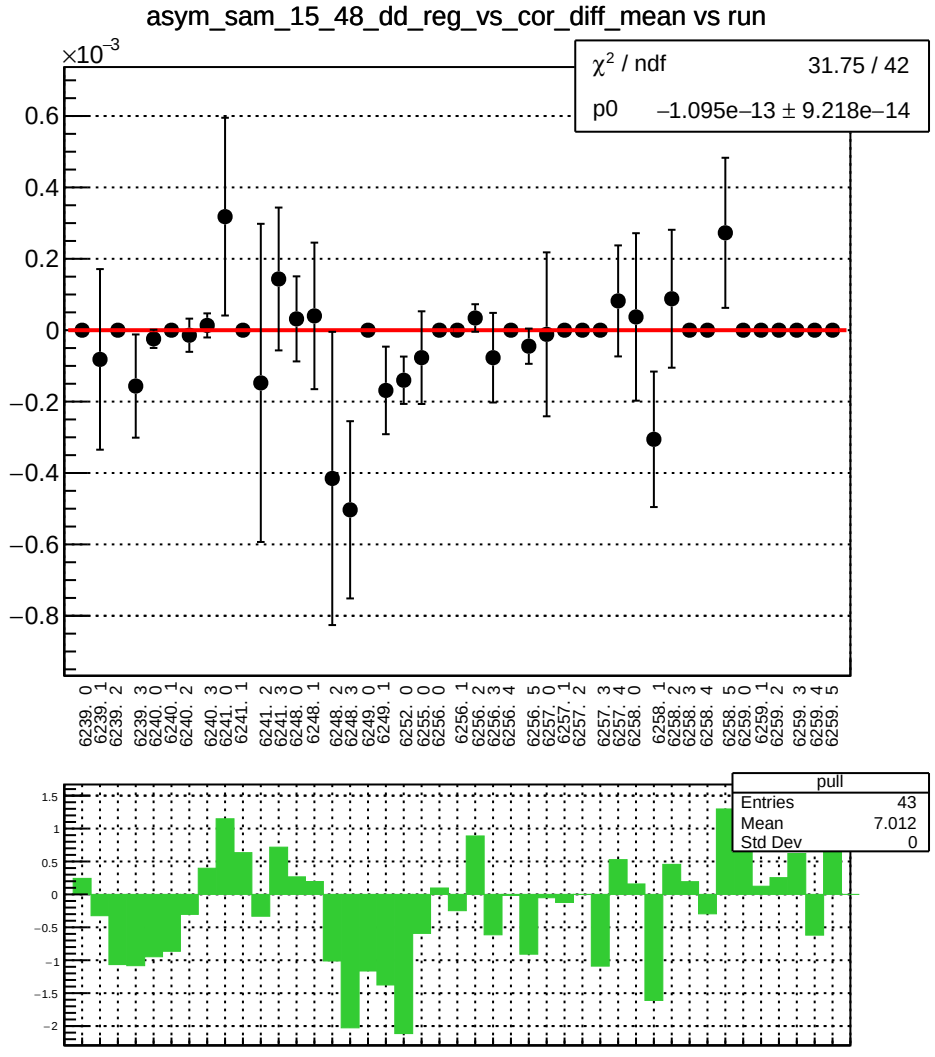

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.64 / 42
p0 988.4 ± 1206
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 84.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03579
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

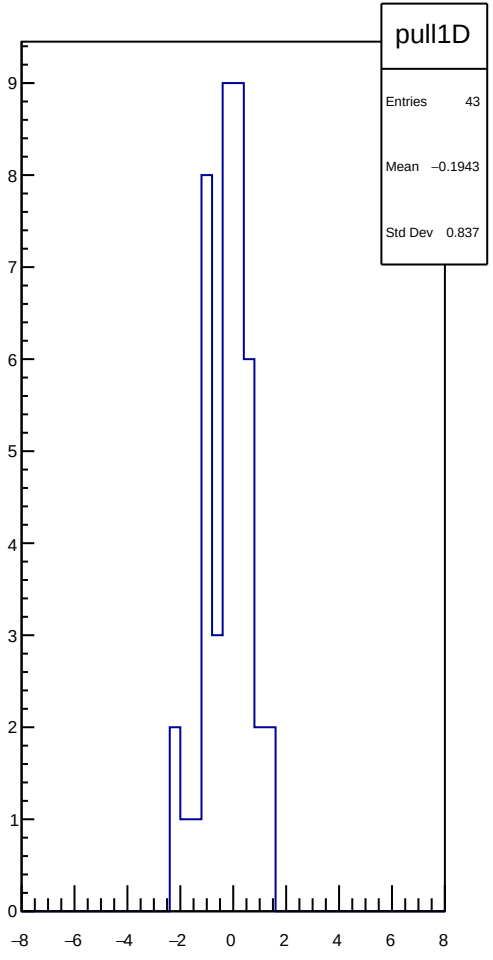

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3534 / 42
p0 793.6 ± 0.8528
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

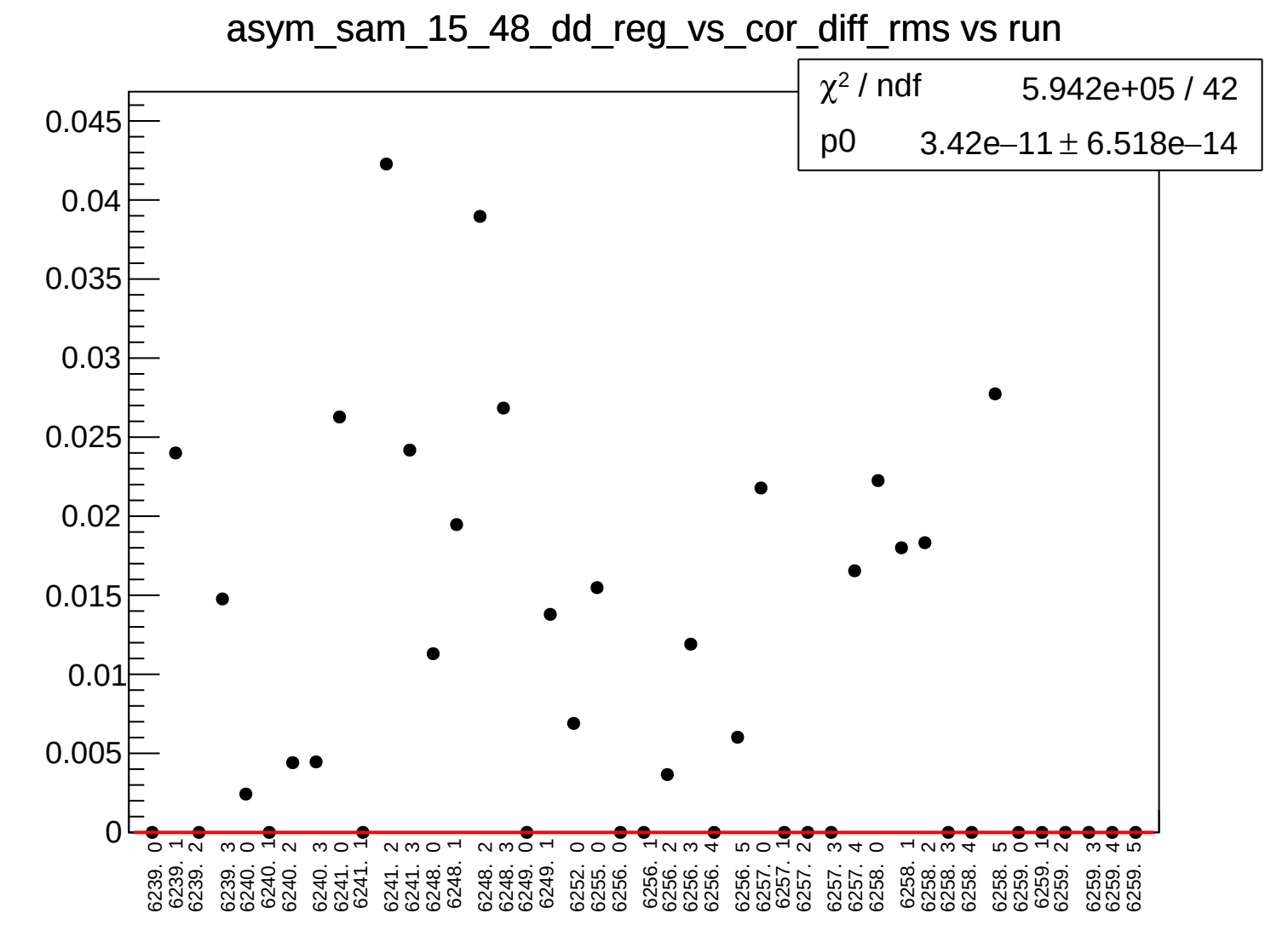

asym_sam_15_48_dd_mean vs run
χ² / ndf 47.11 / 42
p0 −829.7 ± 1187
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 74.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

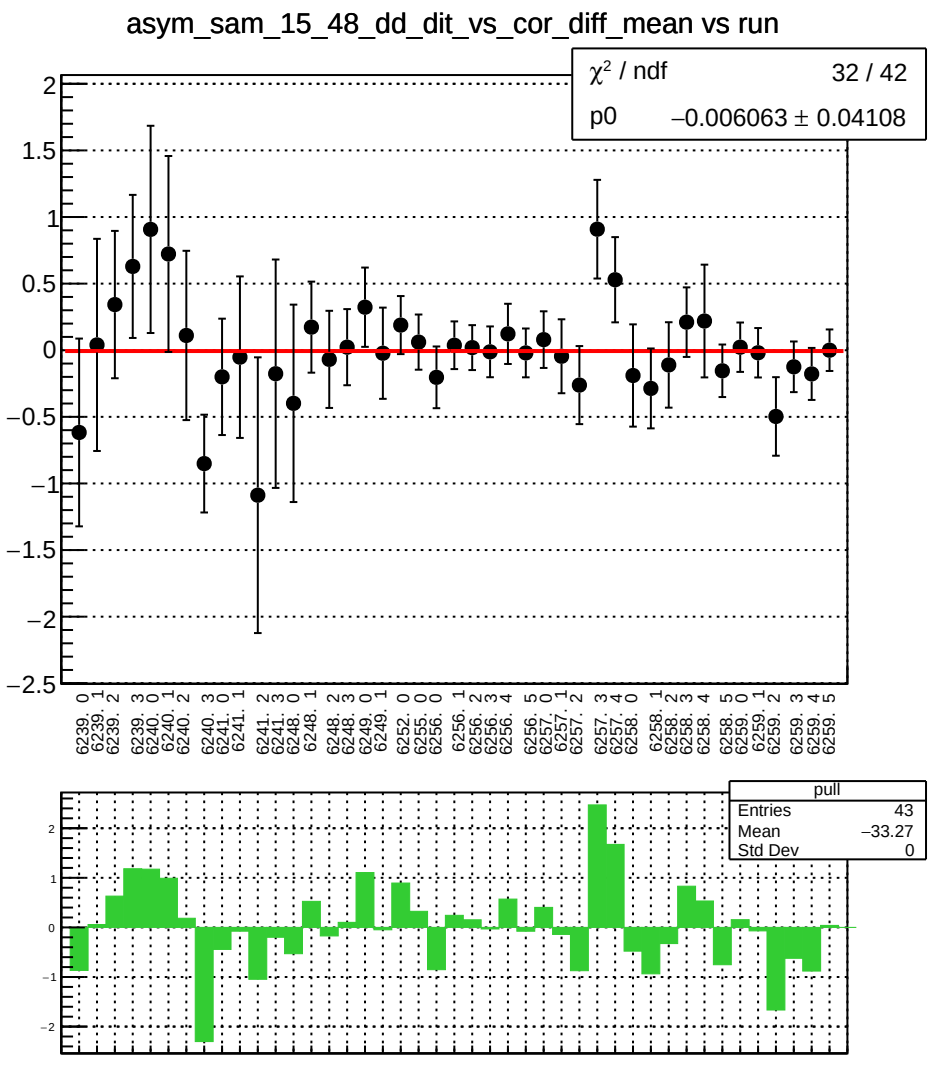

pull1D
Entries 43
Mean −0.04464
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

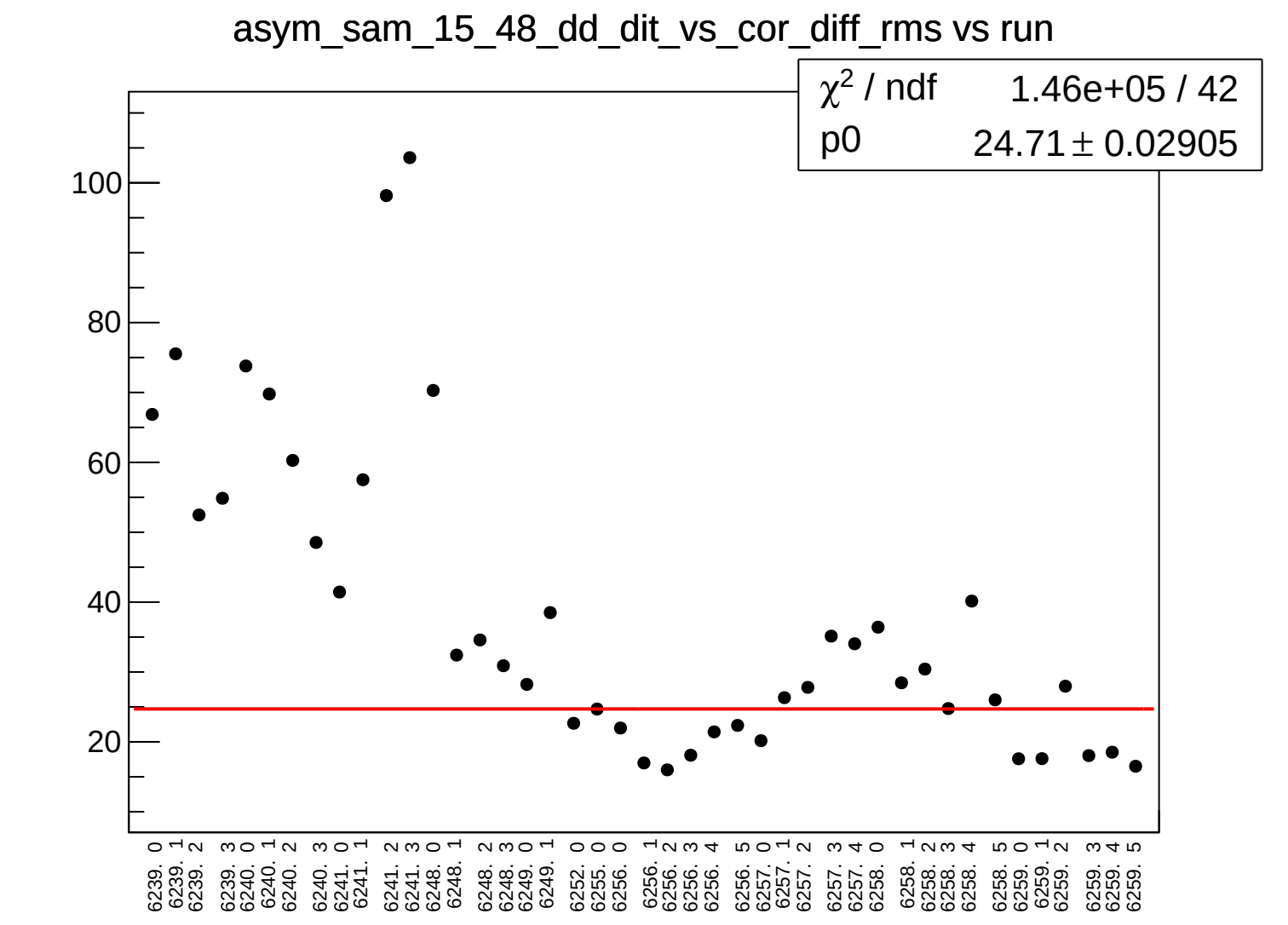

asym_sam_15_48_dd_rms vs run
χ² / ndf 4188 / 42
p0 780.6 ± 0.8391
1050
1000
950
900
850
800
750
700
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

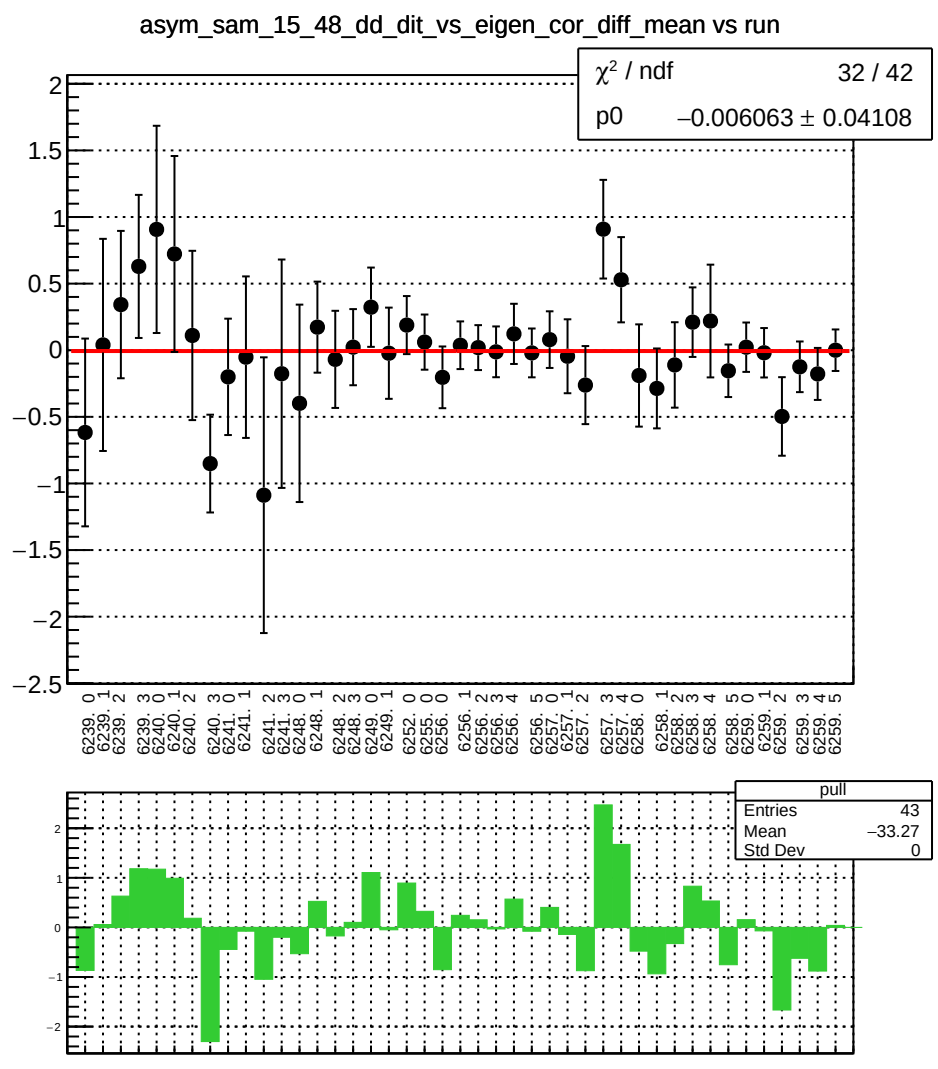

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 31.75 / 42
p0 −1.095e−13 ± 9.218e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 7.012
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

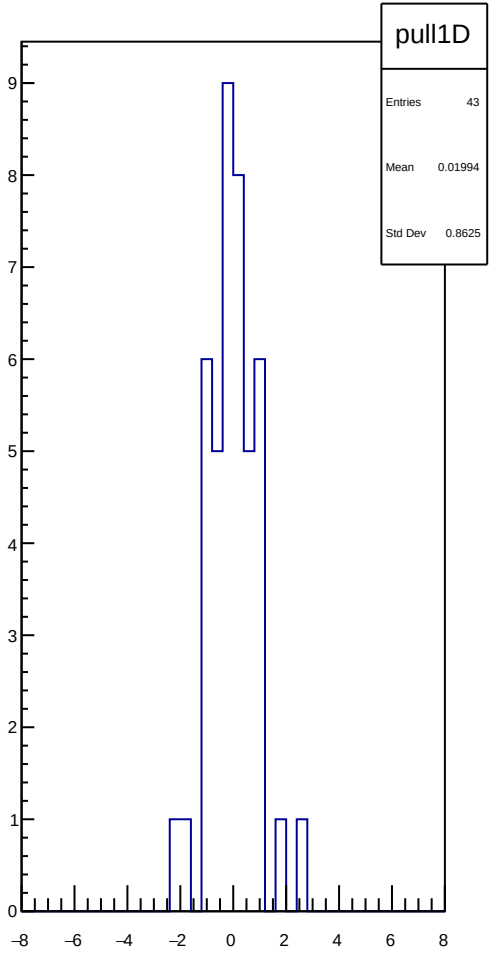

pull1D
Entries 43
Mean −0.1943
Std Dev 0.837
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

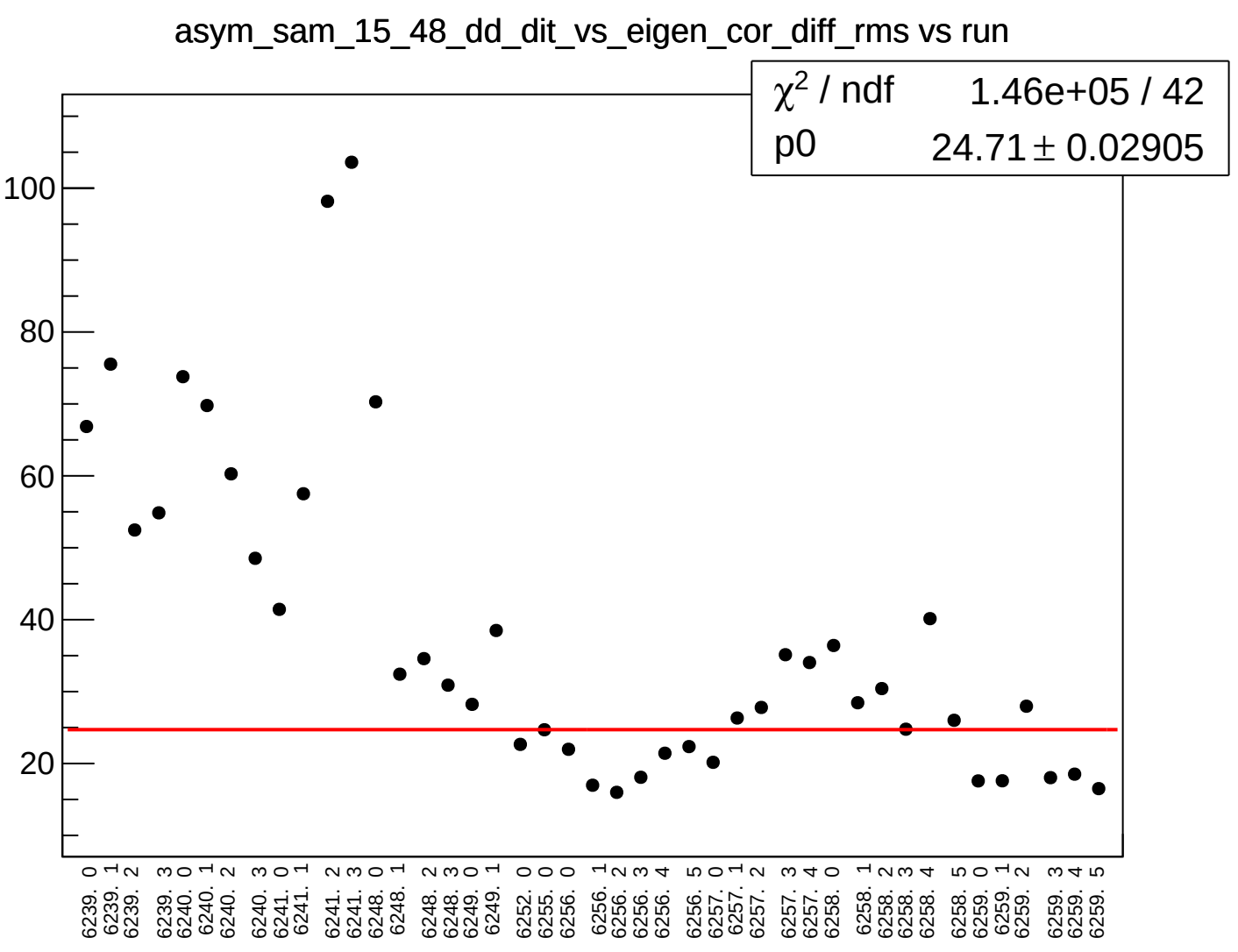

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.942e+05 / 42
p0 3.42e−11 ± 6.518e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

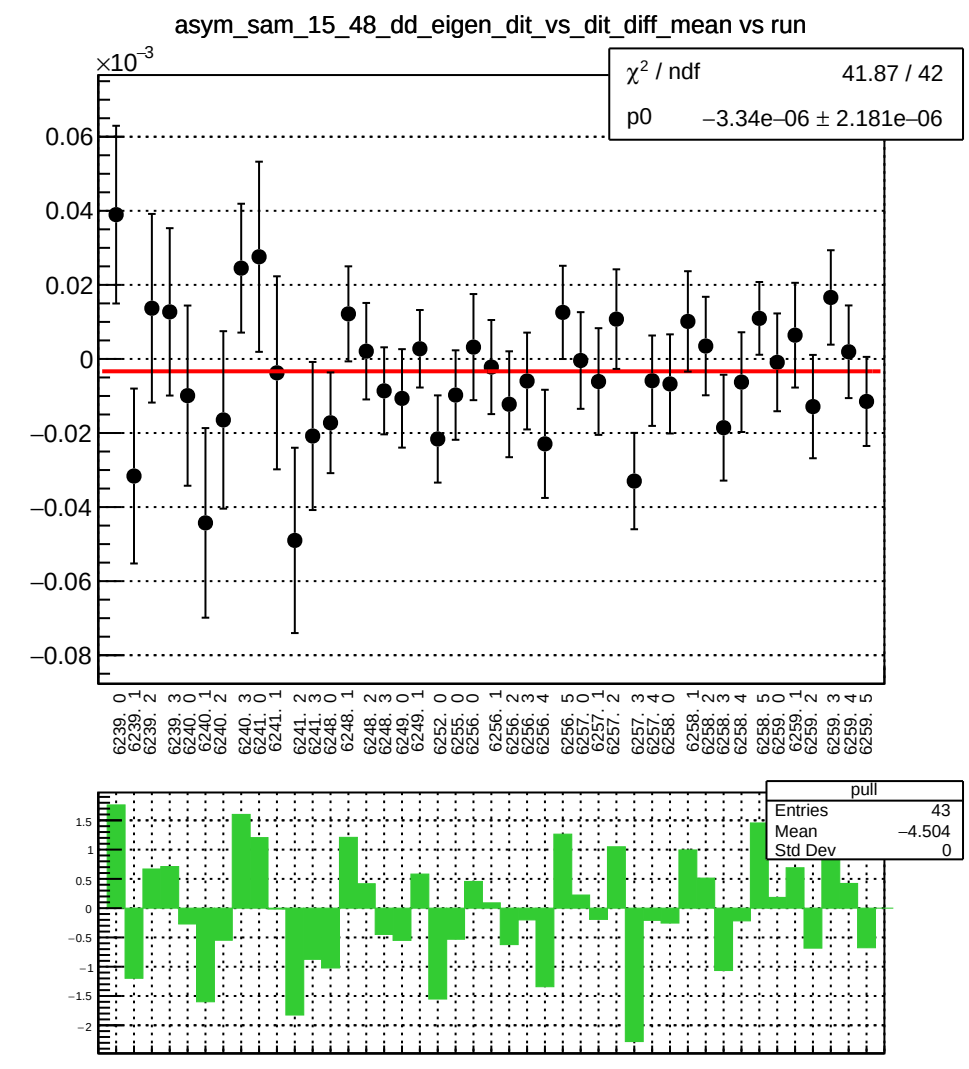

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 32 / 42
p0 −0.006063 ± 0.04108
pull
Entries 43
Mean −33.27
Std Dev 0
pull1D
Entries 43
Mean 0.01994
Std Dev 0.8625

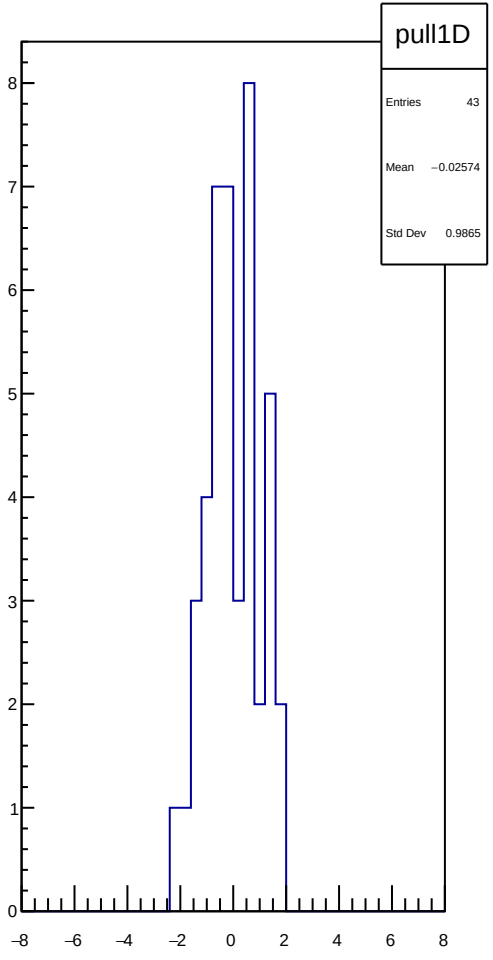

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.46e+05 / 42
p0 24.71 ± 0.02905
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

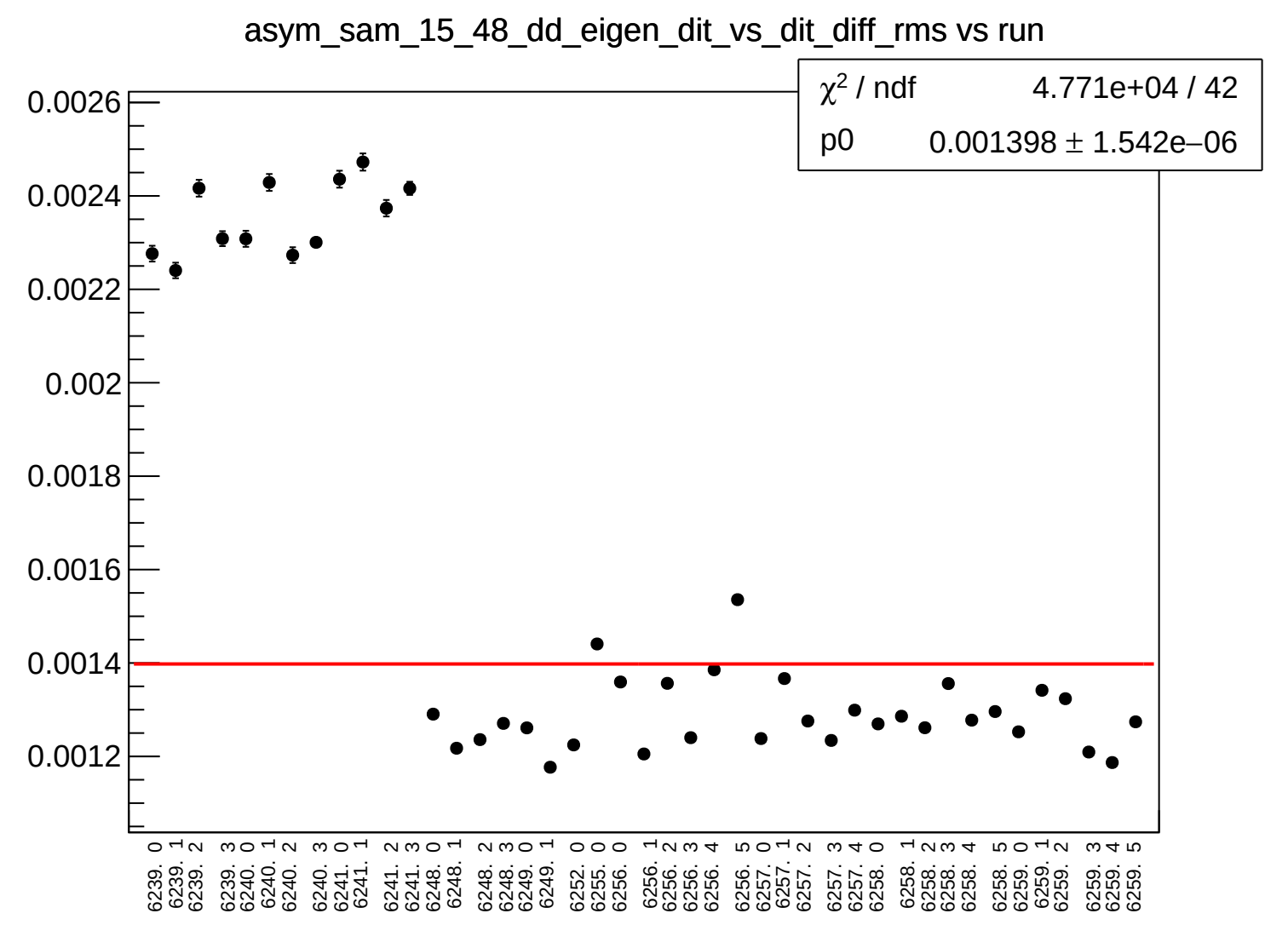

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32 / 42
p0 −0.006063 ± 0.04108
pull
Entries 43
Mean −33.27
Std Dev 0

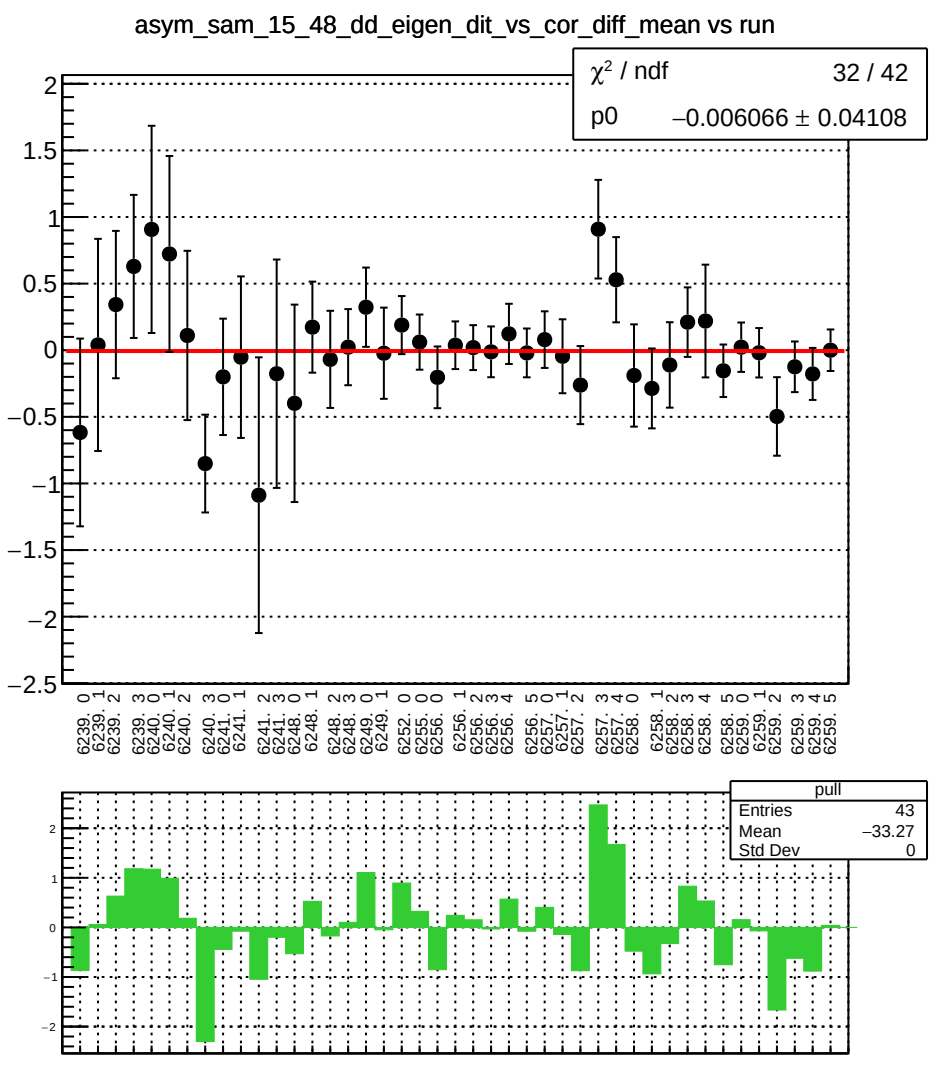

pull1D
Entries 43
Mean 0.01994
Std Dev 0.8625

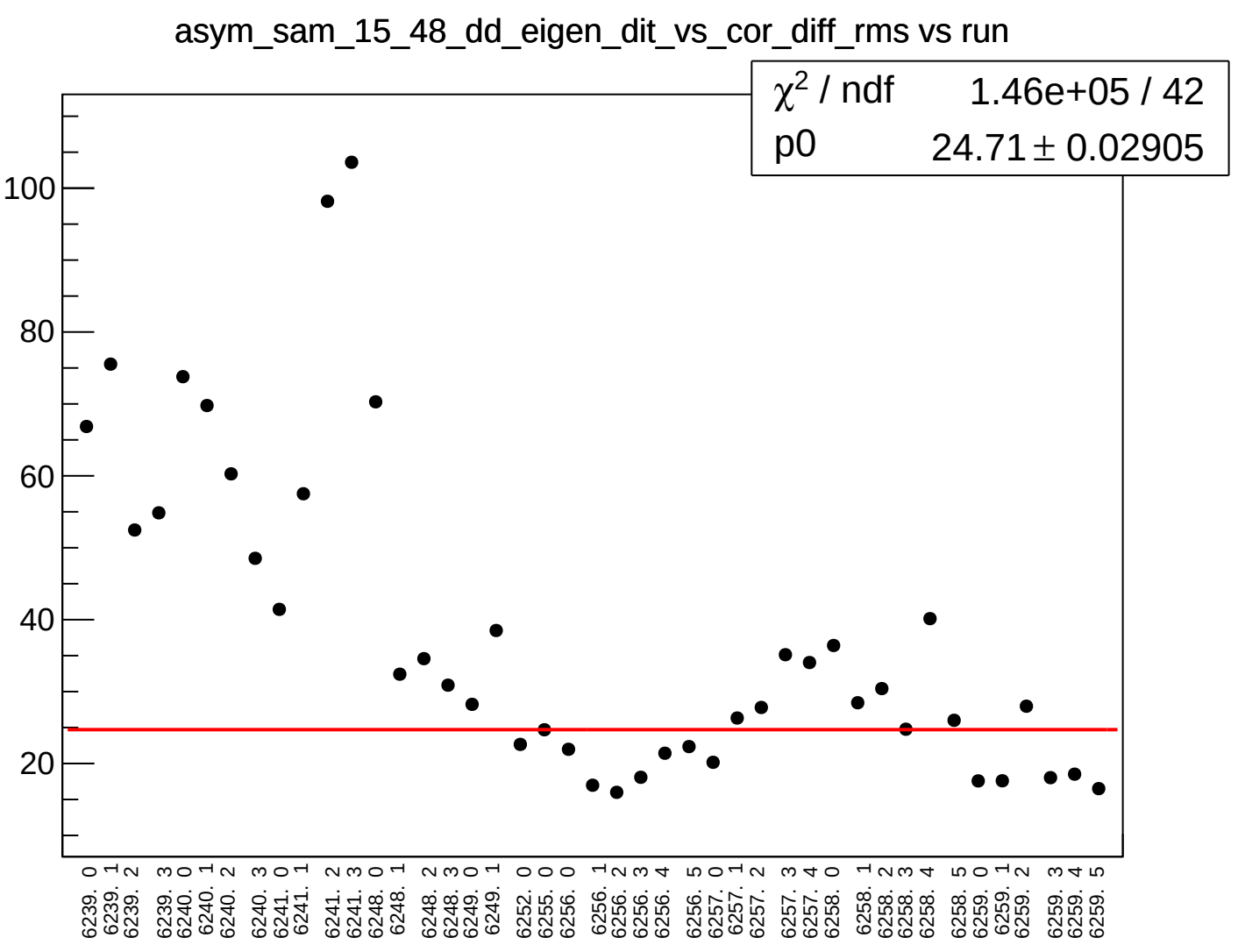

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.46e+05 / 42
p0 24.71 ± 0.02905
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

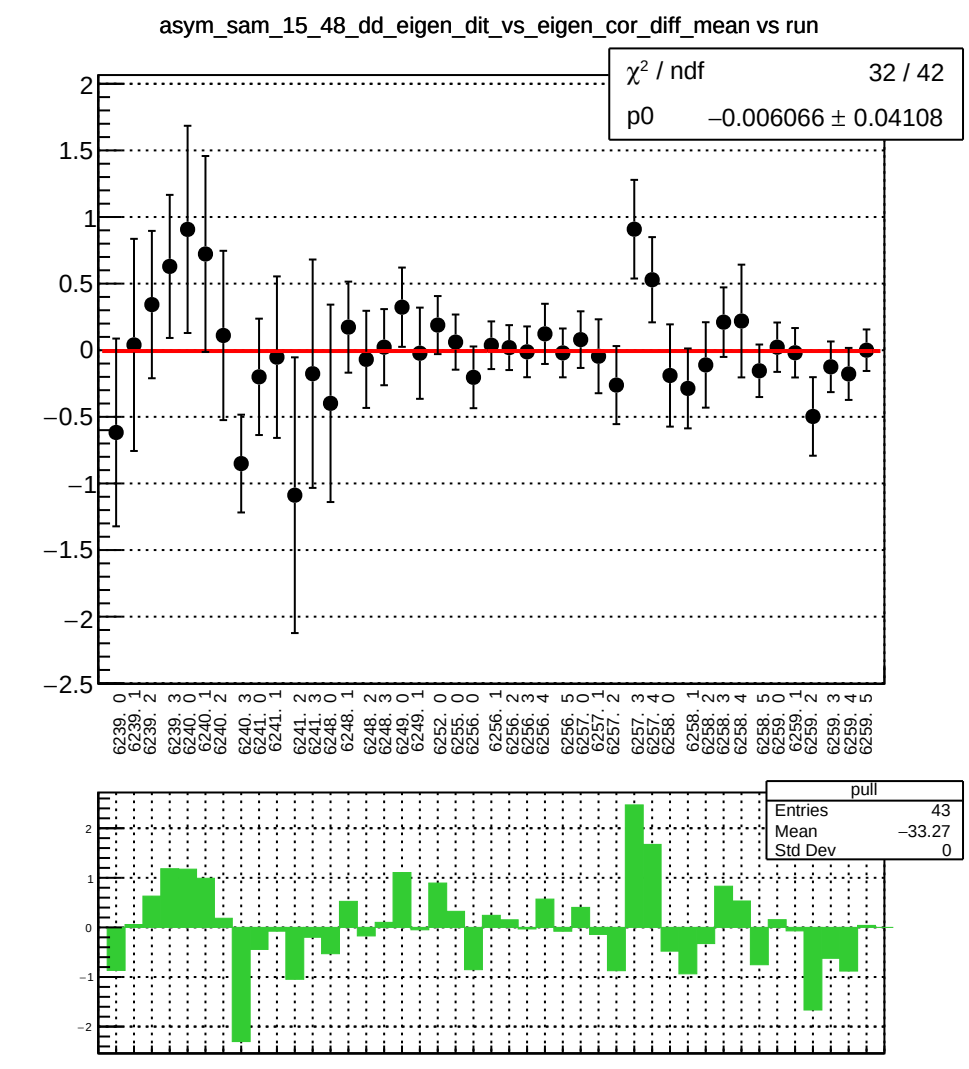

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.87 / 42
p0 −3.34e−06 ± 2.181e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4.504
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

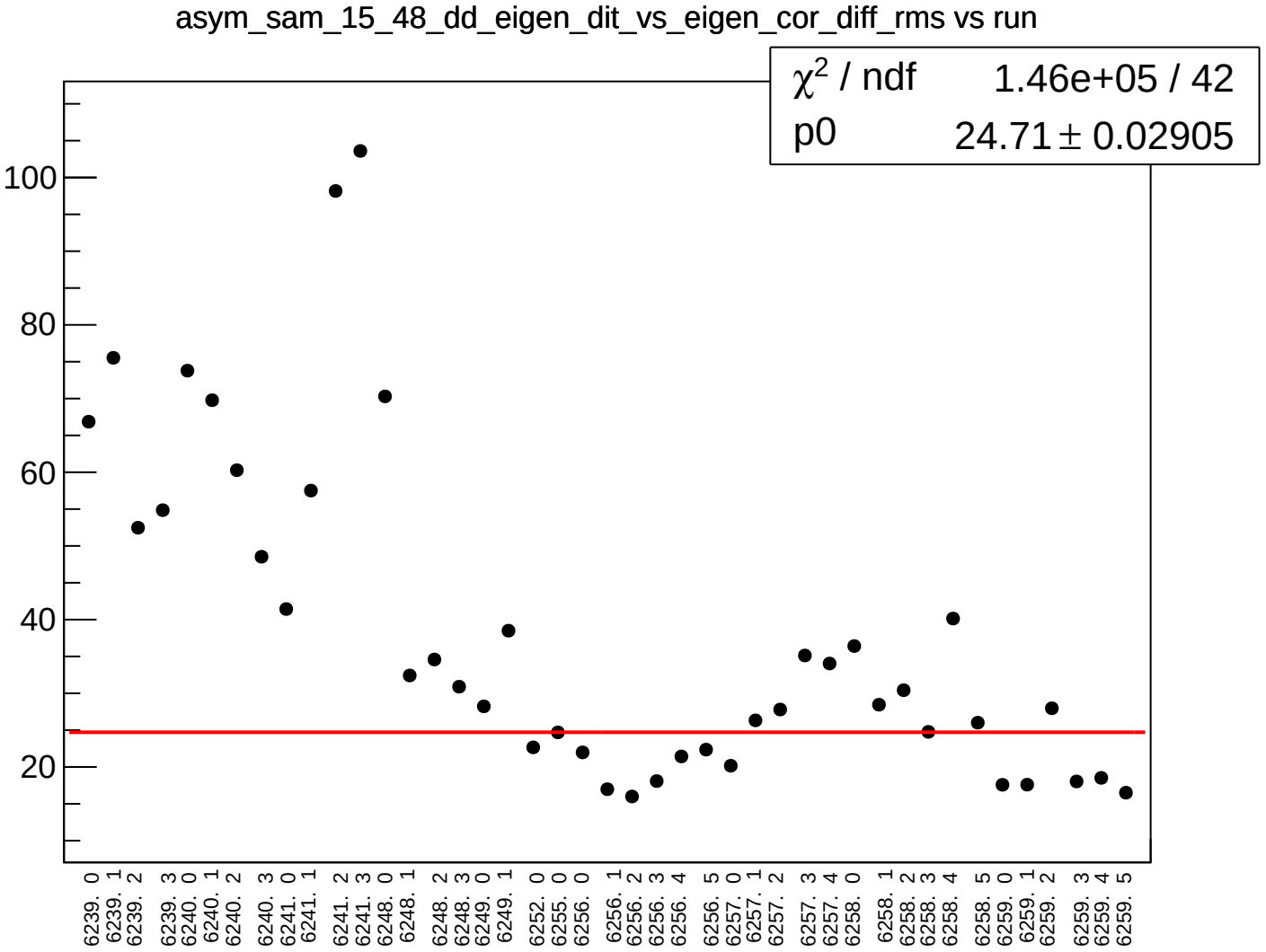

pull1D
Entries 43
Mean −0.02574
Std Dev 0.9865
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

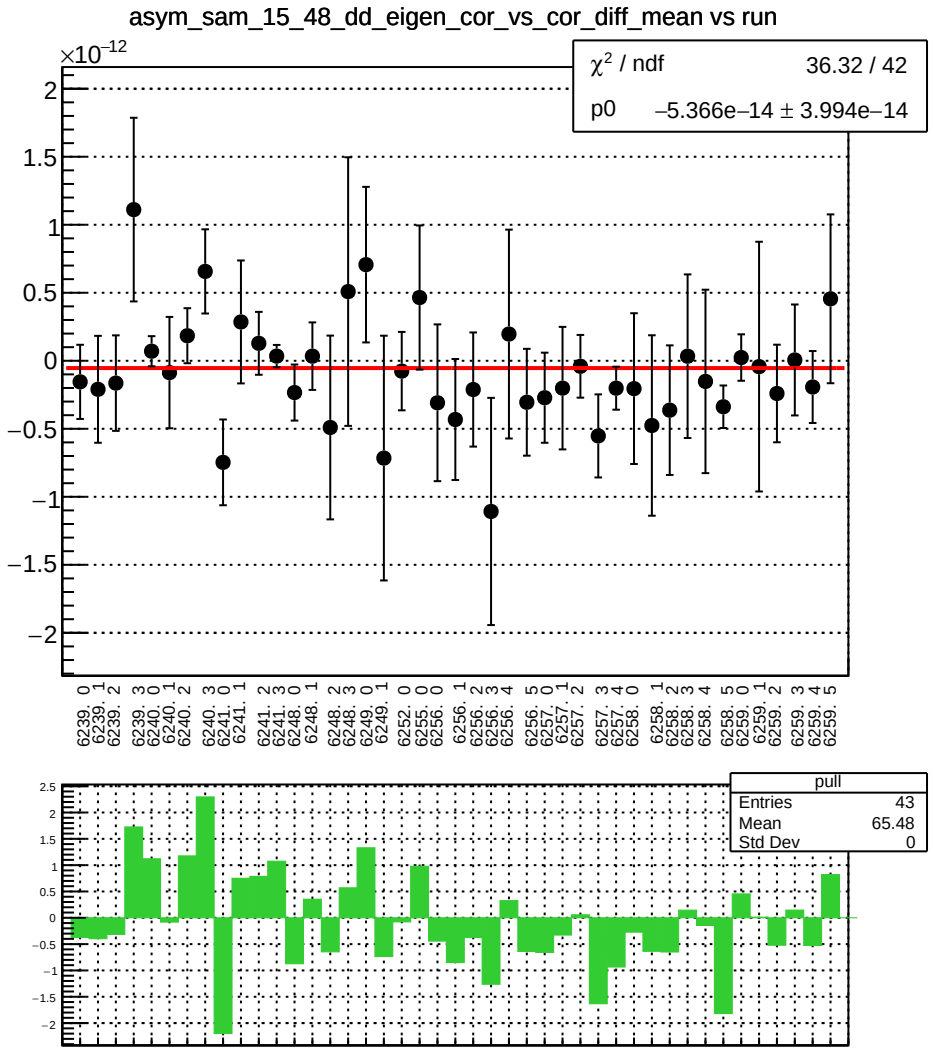

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.771e+04 / 42
p0 0.001398 ± 1.542e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

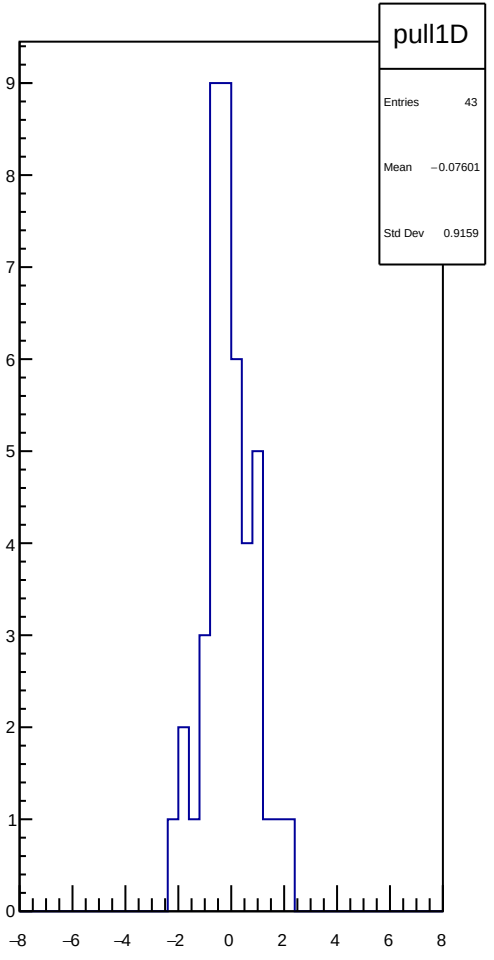

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32 / 42
p0 −0.006066 ± 0.04108
pull
Entries 43
Mean −33.27
Std Dev 0
pull1D
Entries 43
Mean 0.01993
Std Dev 0.8625

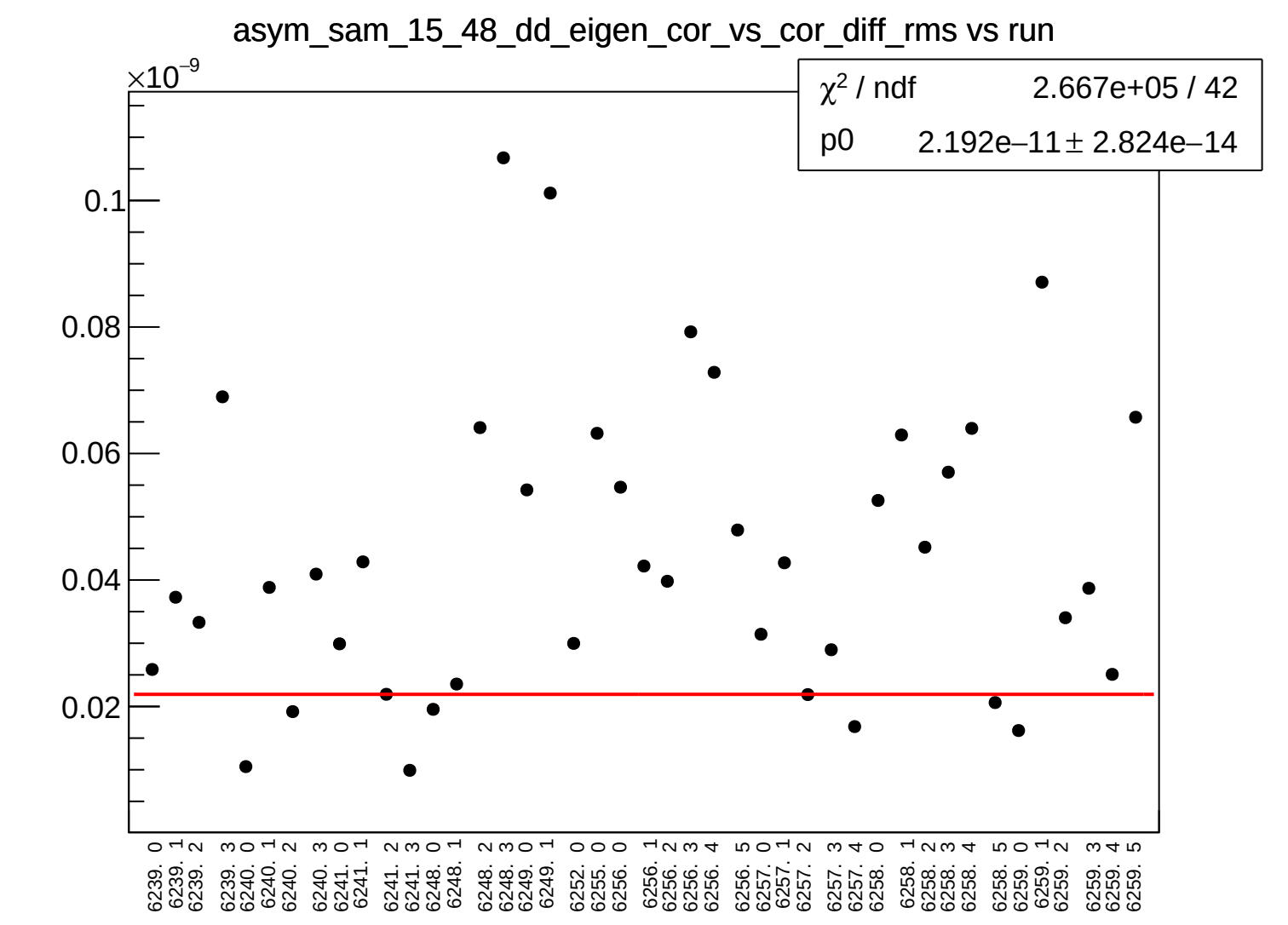

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.46e+05 / 42
p0 24.71 ± 0.02905
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

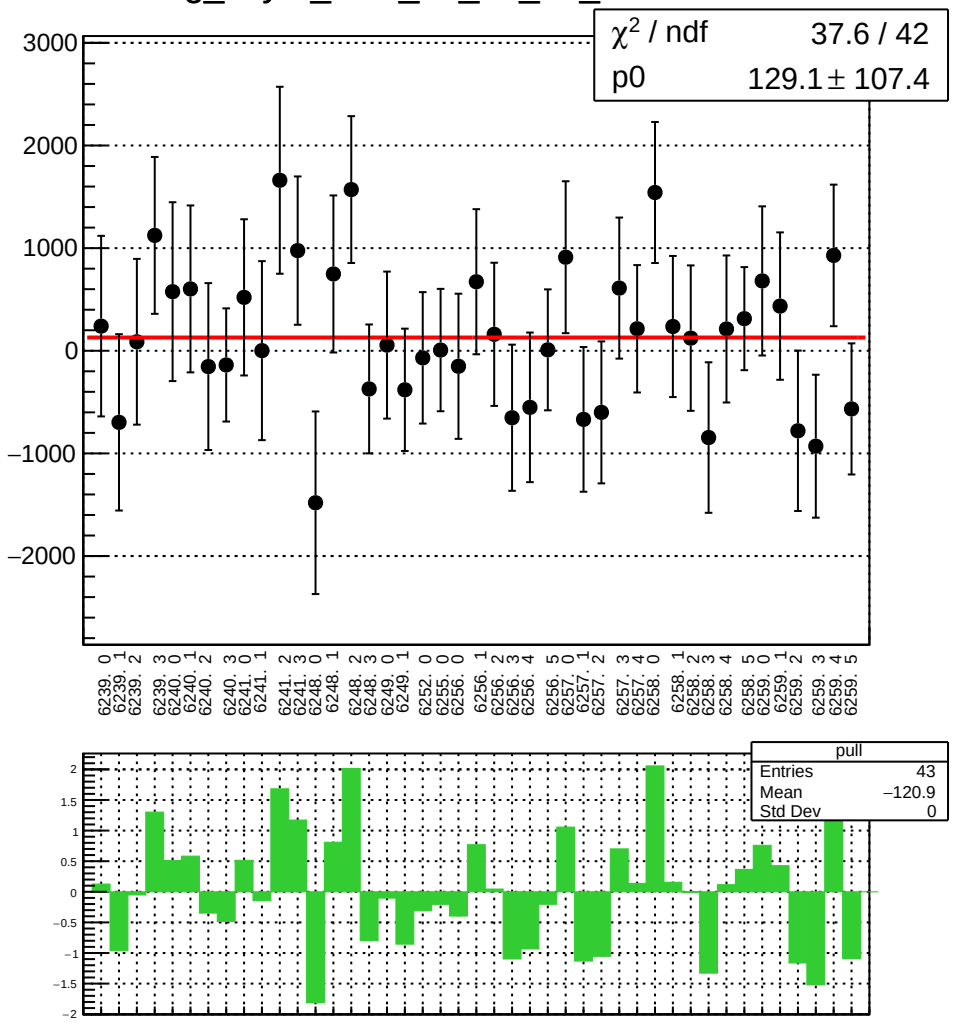

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32 / 42
p0 −0.006066 ± 0.04108
pull
Entries 43
Mean −33.27
Std Dev 0
pull1D
Entries 43
Mean 0.01993
Std Dev 0.8625

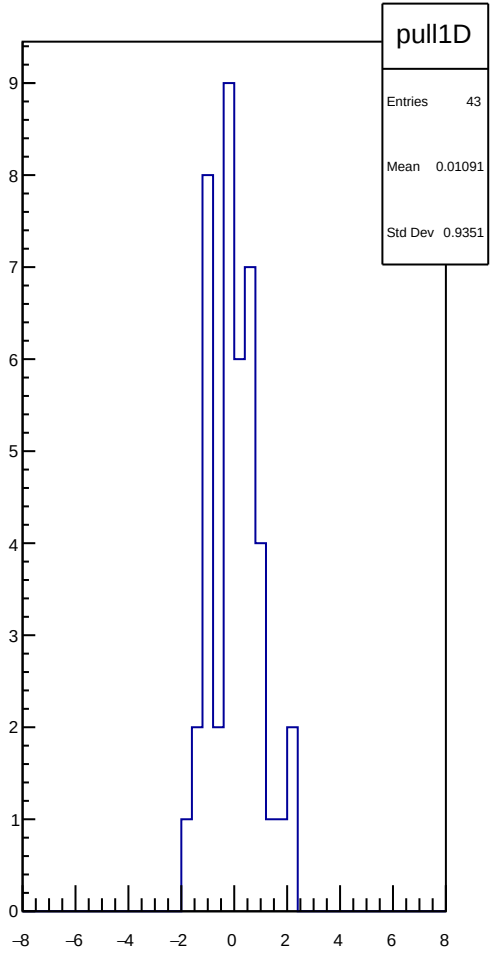

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.46e+05 / 42
p0 24.71 ± 0.02905
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

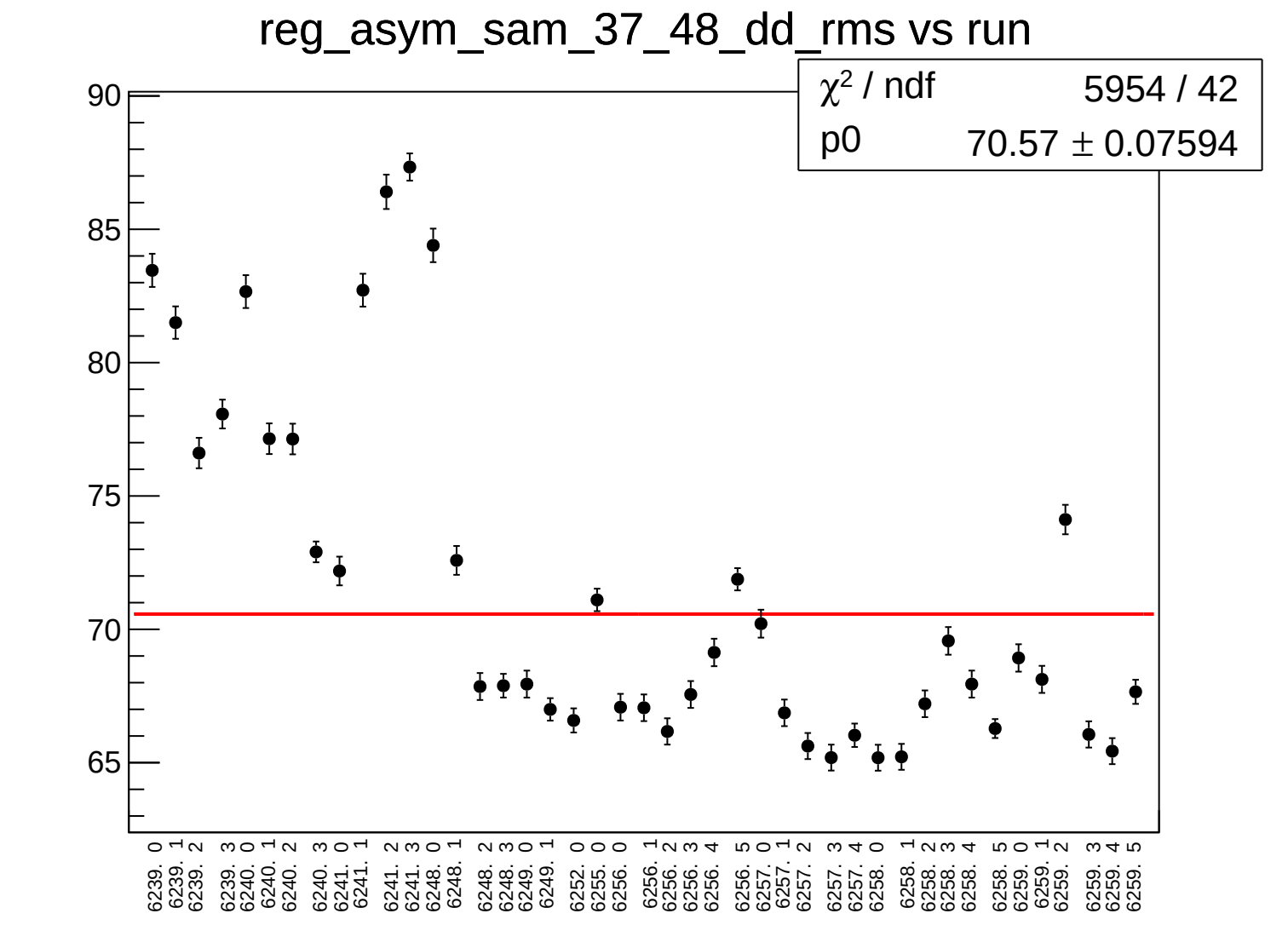

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.32 / 42
p0 −5.366e−14 ± 3.994e−14
pull
Entries 43
Mean 65.48
Std Dev 0

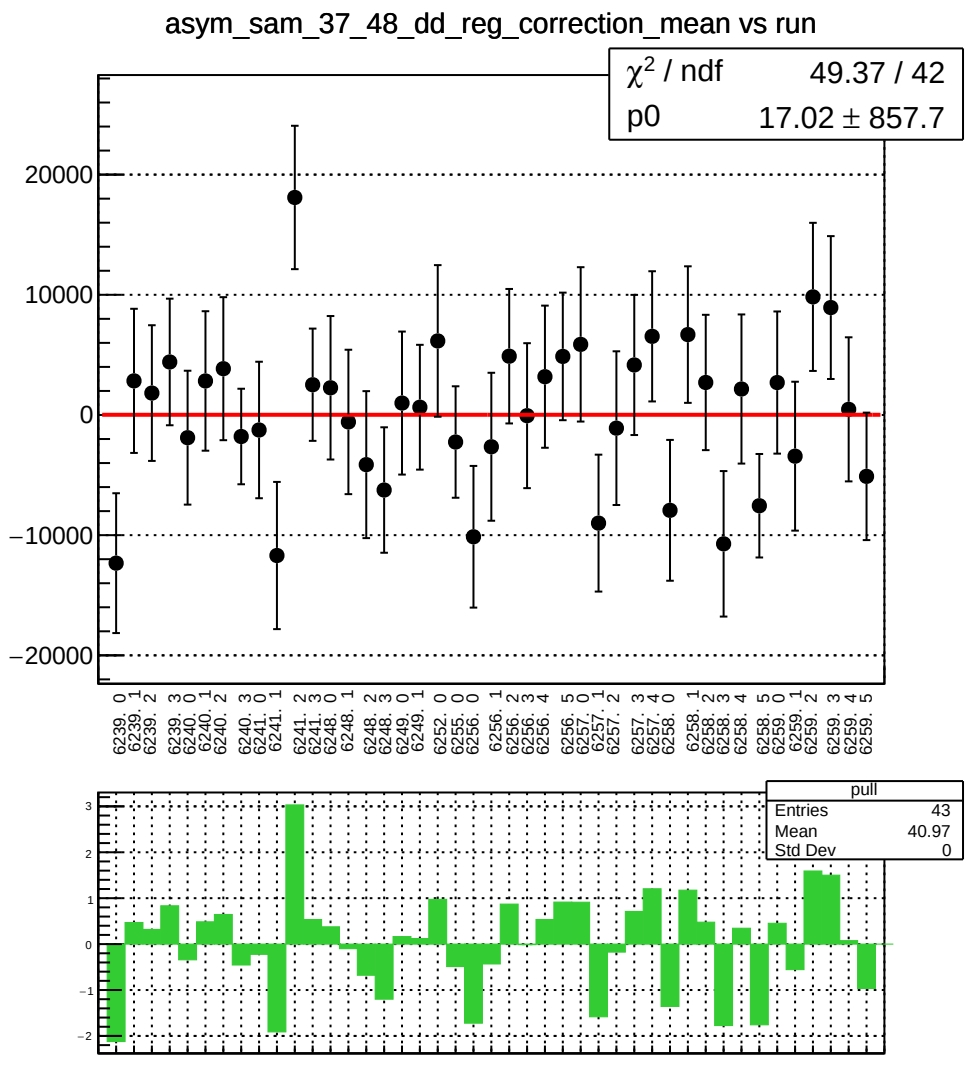

pull1D
Entries 43
Mean −0.07601
Std Dev 0.9159

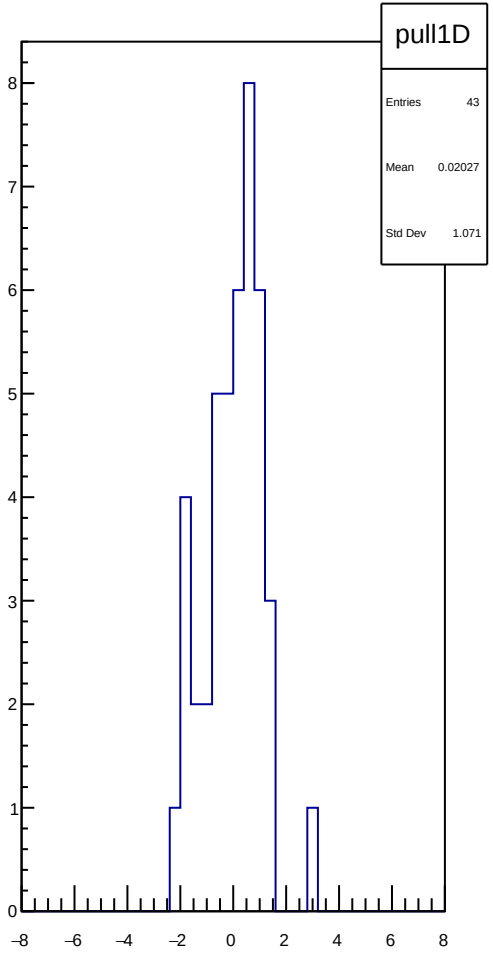

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.667e+05 / 42
p0 2.192e−11 ± 2.824e−14
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

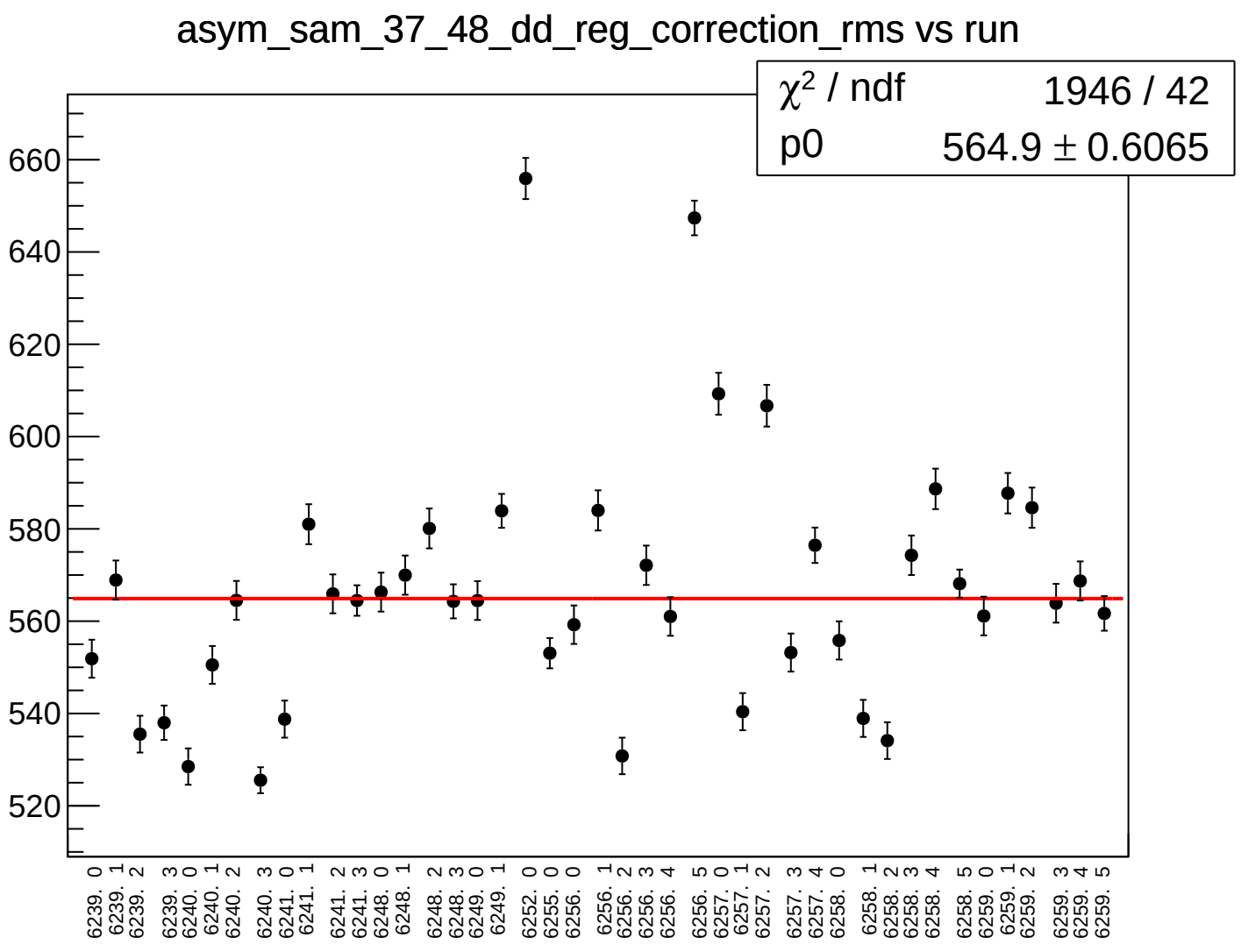

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 37.6 / 42
p0 129.1 ± 107.4
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

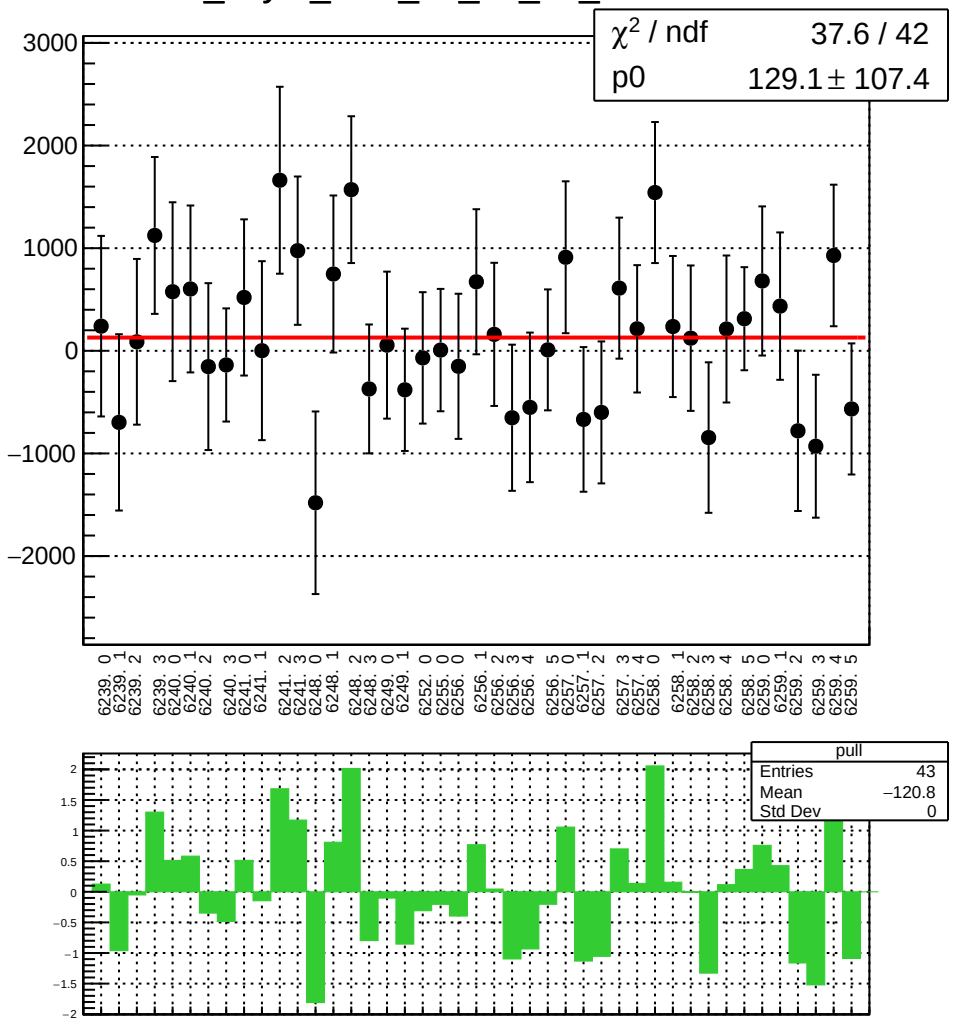

pull1D
Entries 43
Mean 0.01091
Std Dev 0.9351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

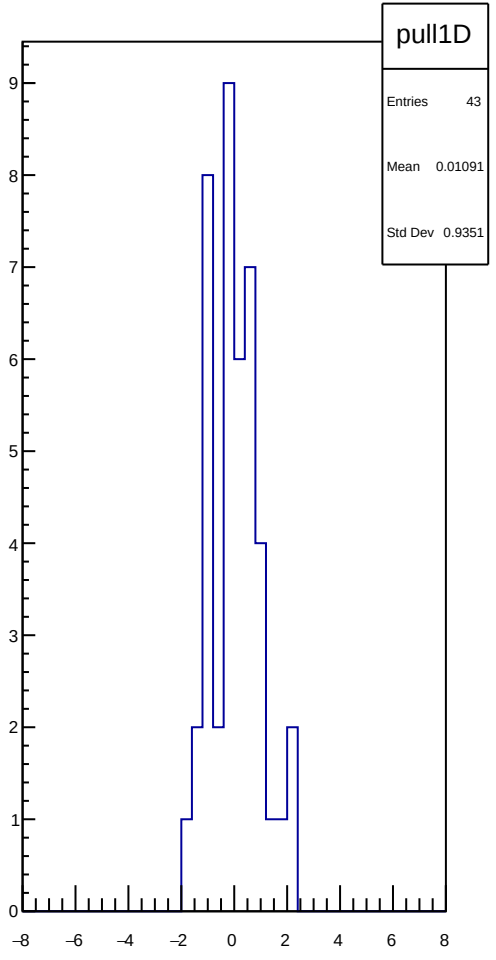

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 5954 / 42
p0 70.57 ± 0.07594
90
85
80
75
70
65
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

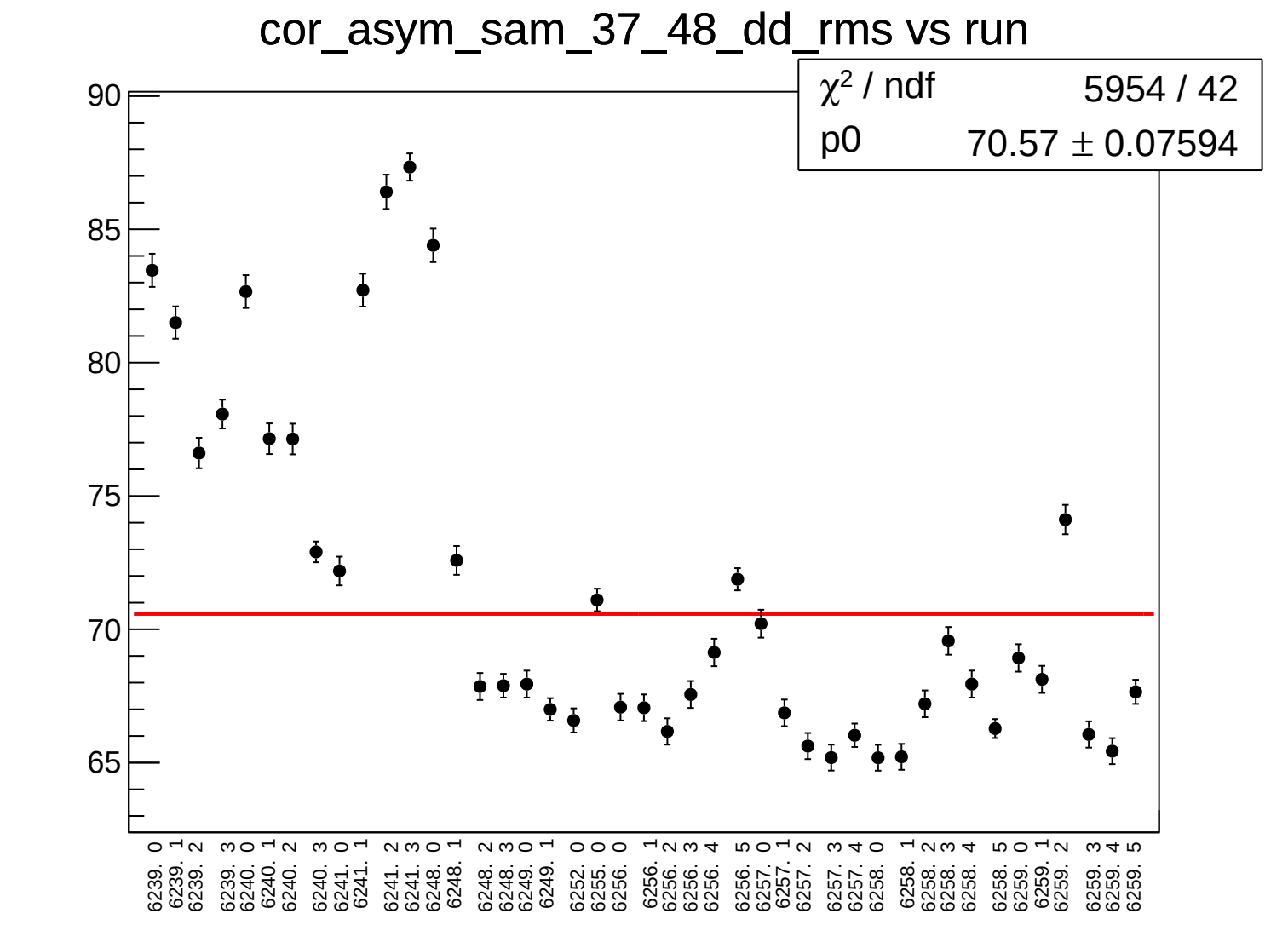

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 49.37 / 42
p0 17.02 ± 857.7
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.97
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.02027
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1946 / 42
p0 564.9 ± 0.6065
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 37.6 / 42
p0 129.1 ± 107.4
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean 0.01091
Std Dev 0.9351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 5954 / 42
p0 70.57 ± 0.07594
90
85
80
75
70
65
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
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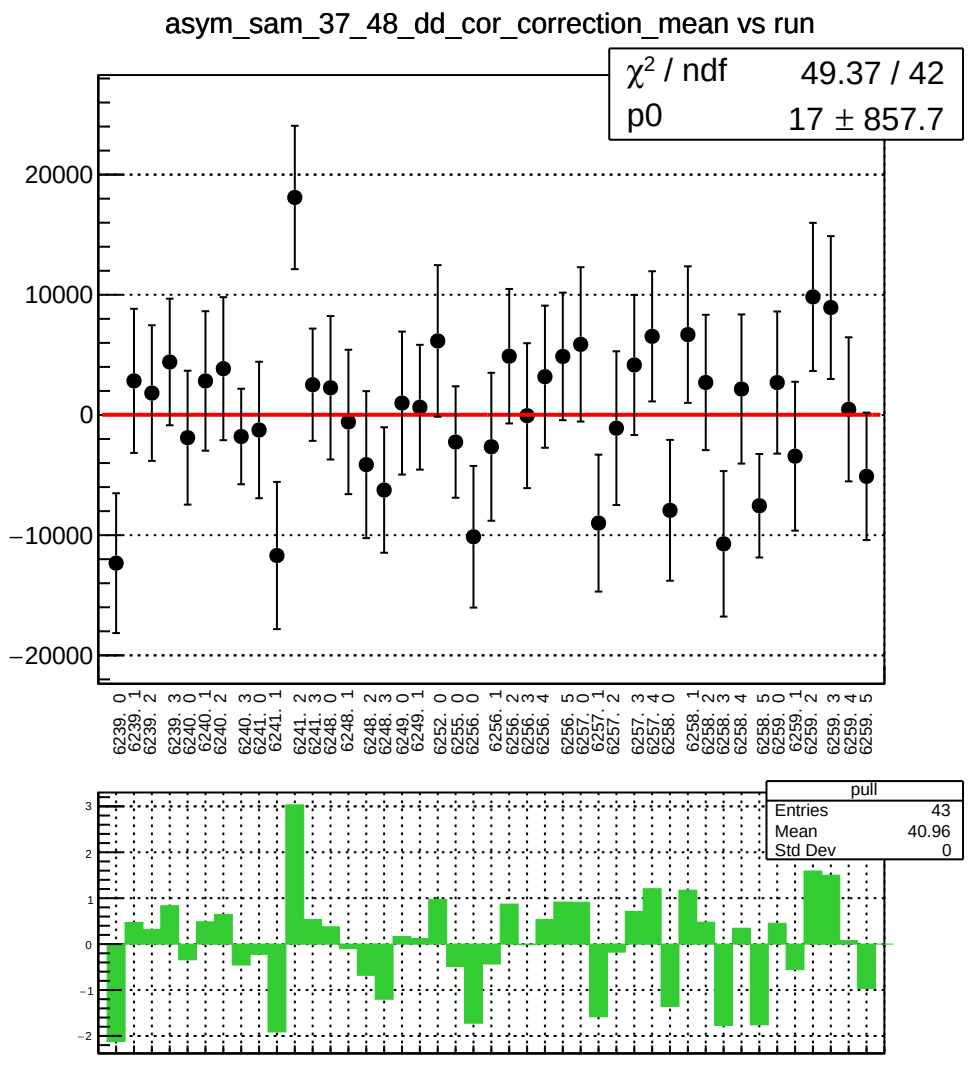
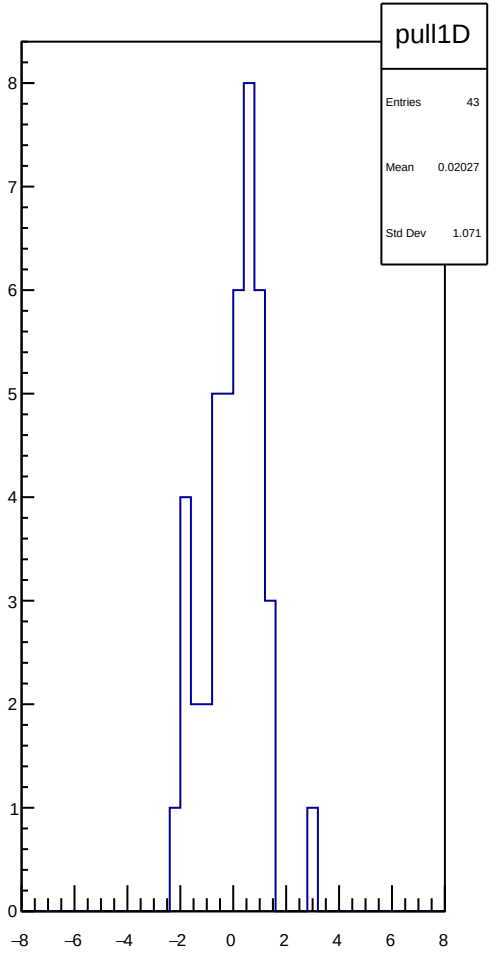
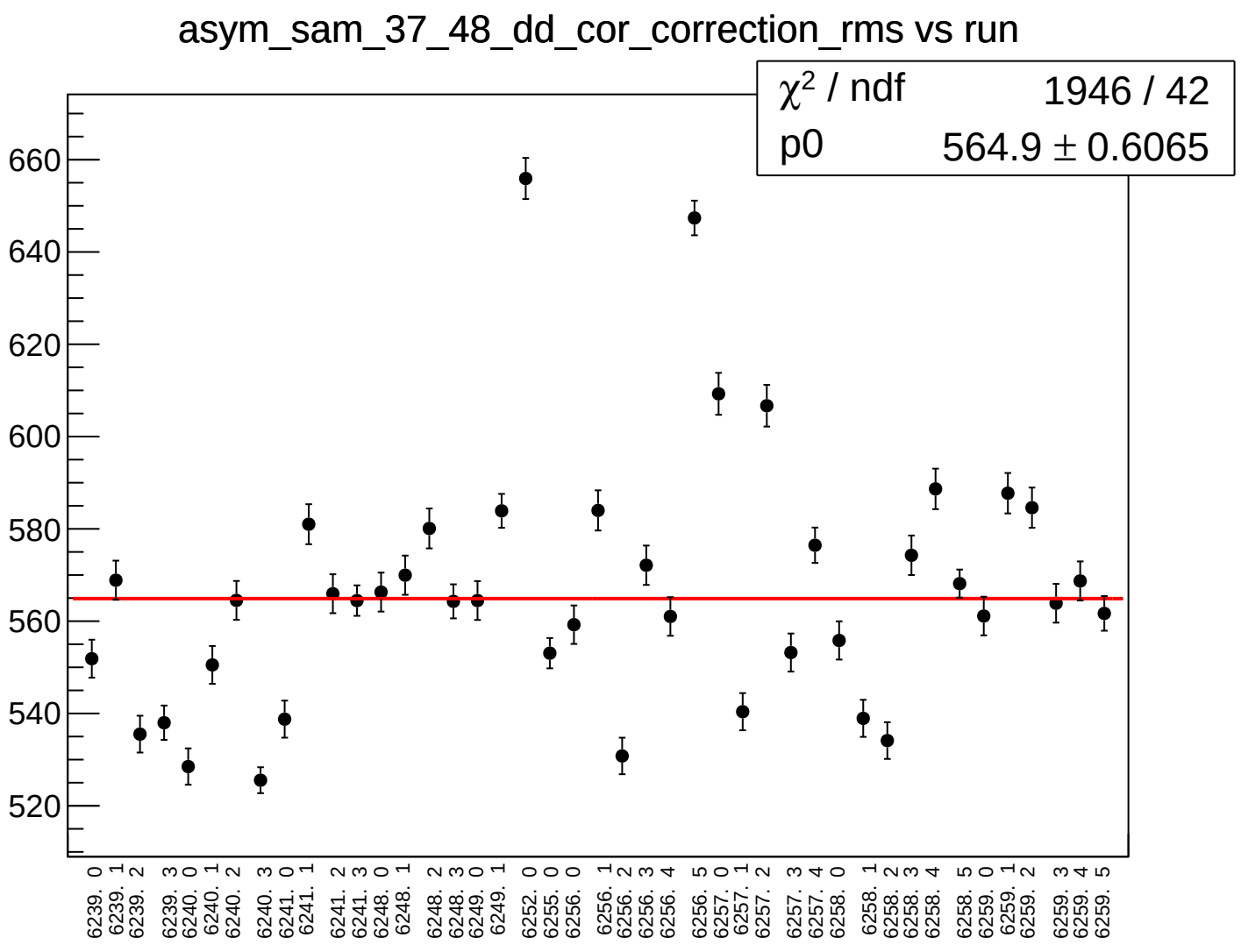
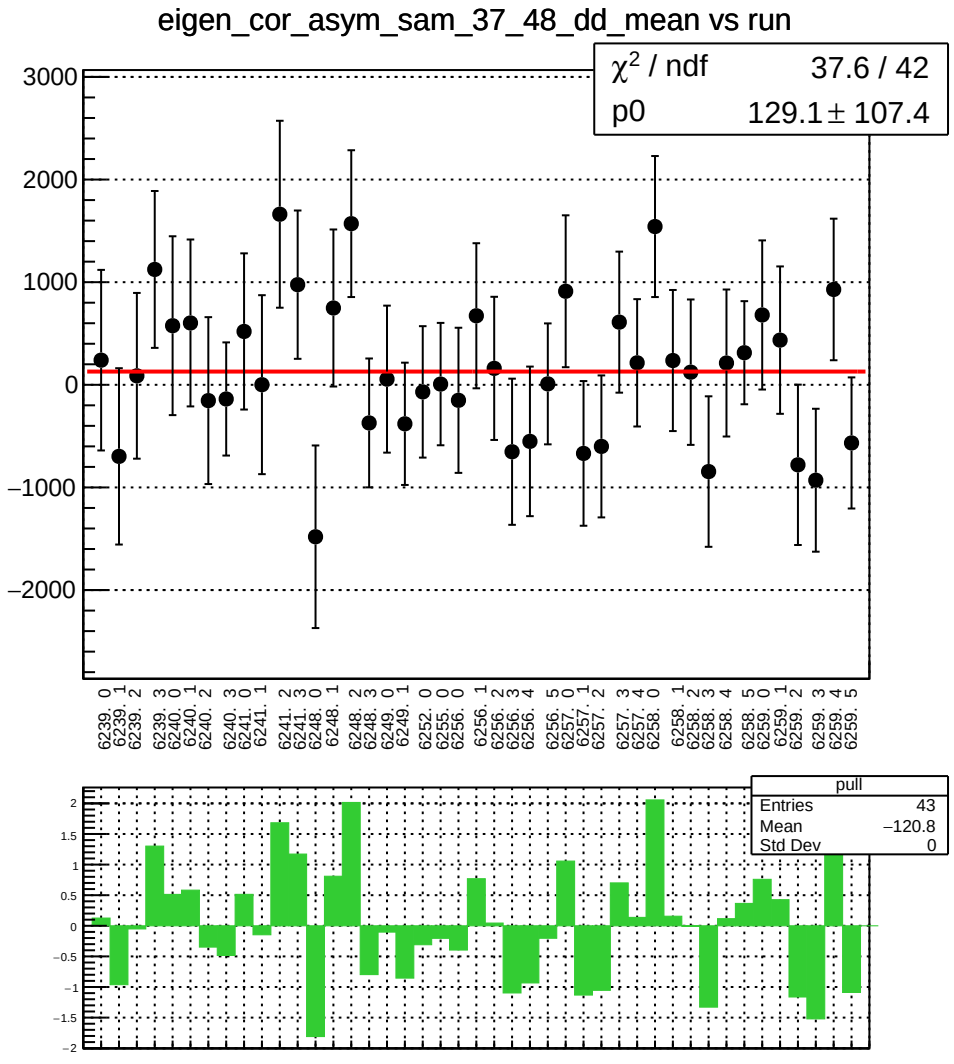
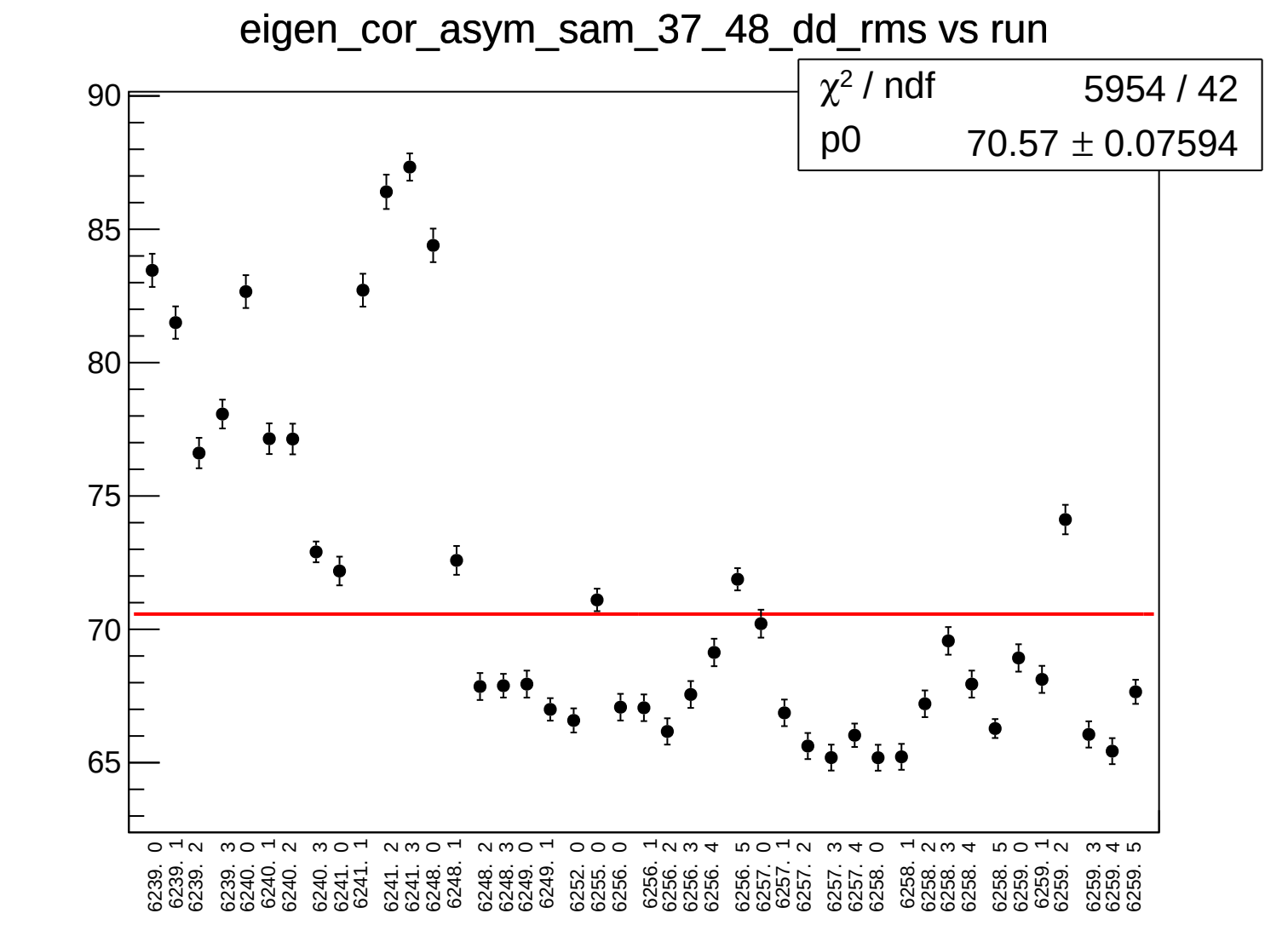
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 49.37 / 42
p0 17 ± 857.7
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.96
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.02027
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1946 / 42
p0 564.9 ± 0.6065
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 37.6 / 42
p0 129.1 ± 107.4
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −120.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01091
Std Dev 0.9351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 5954 / 42
p0 70.57 ± 0.07594
90
85
80
75
70
65
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
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6248. 2
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6249. 0
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6256. 1
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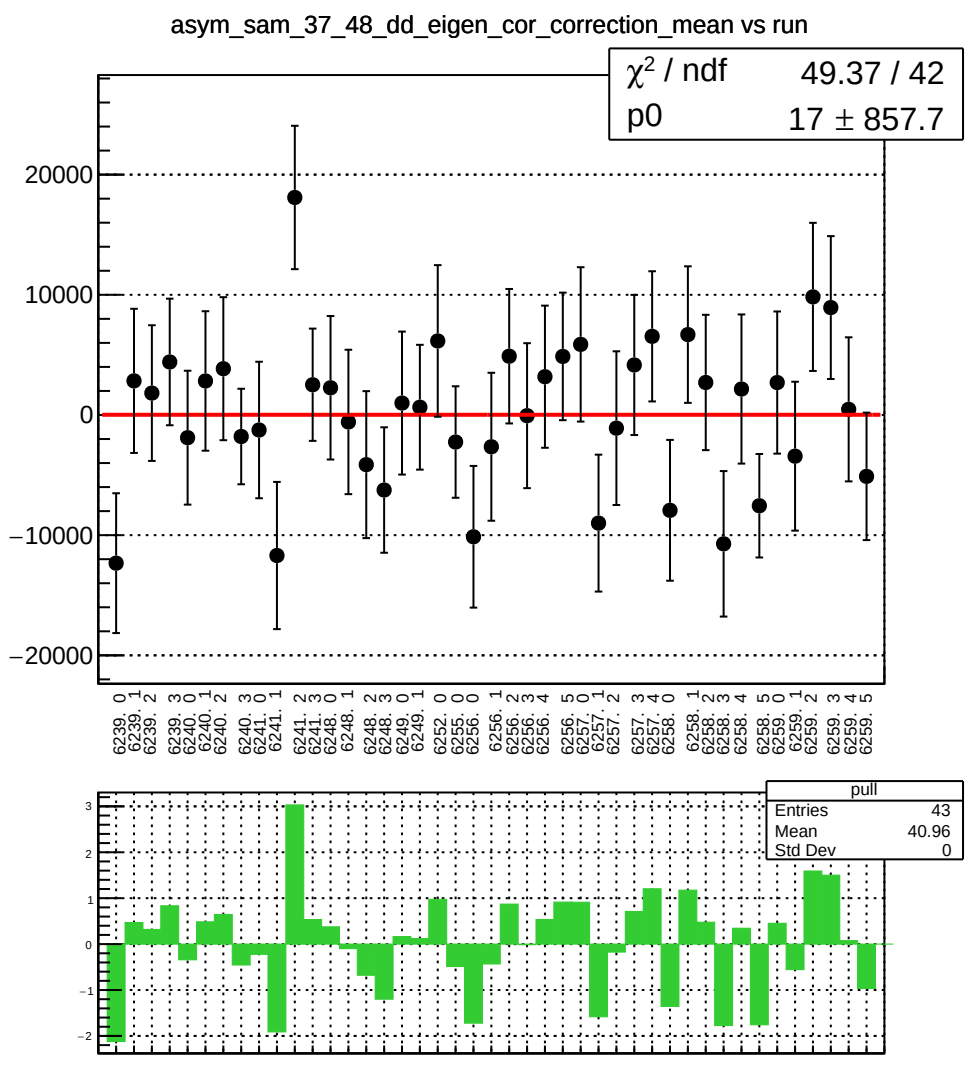
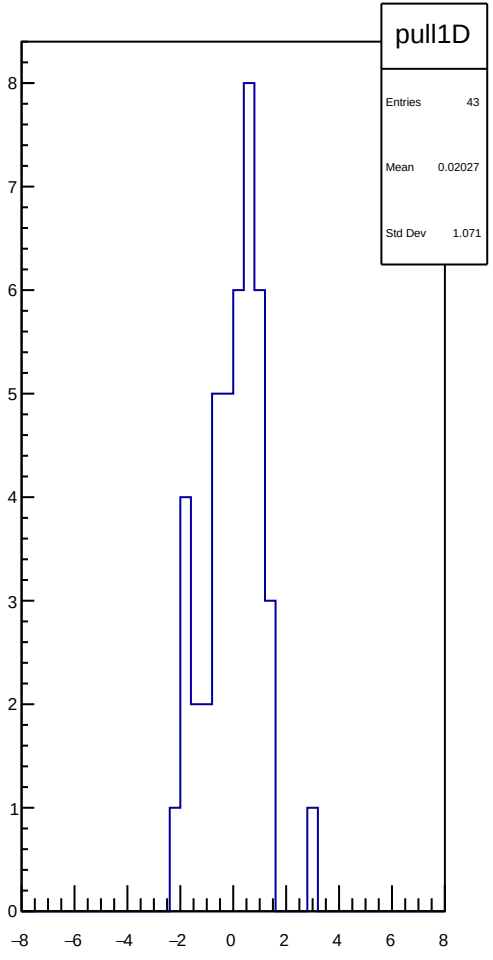
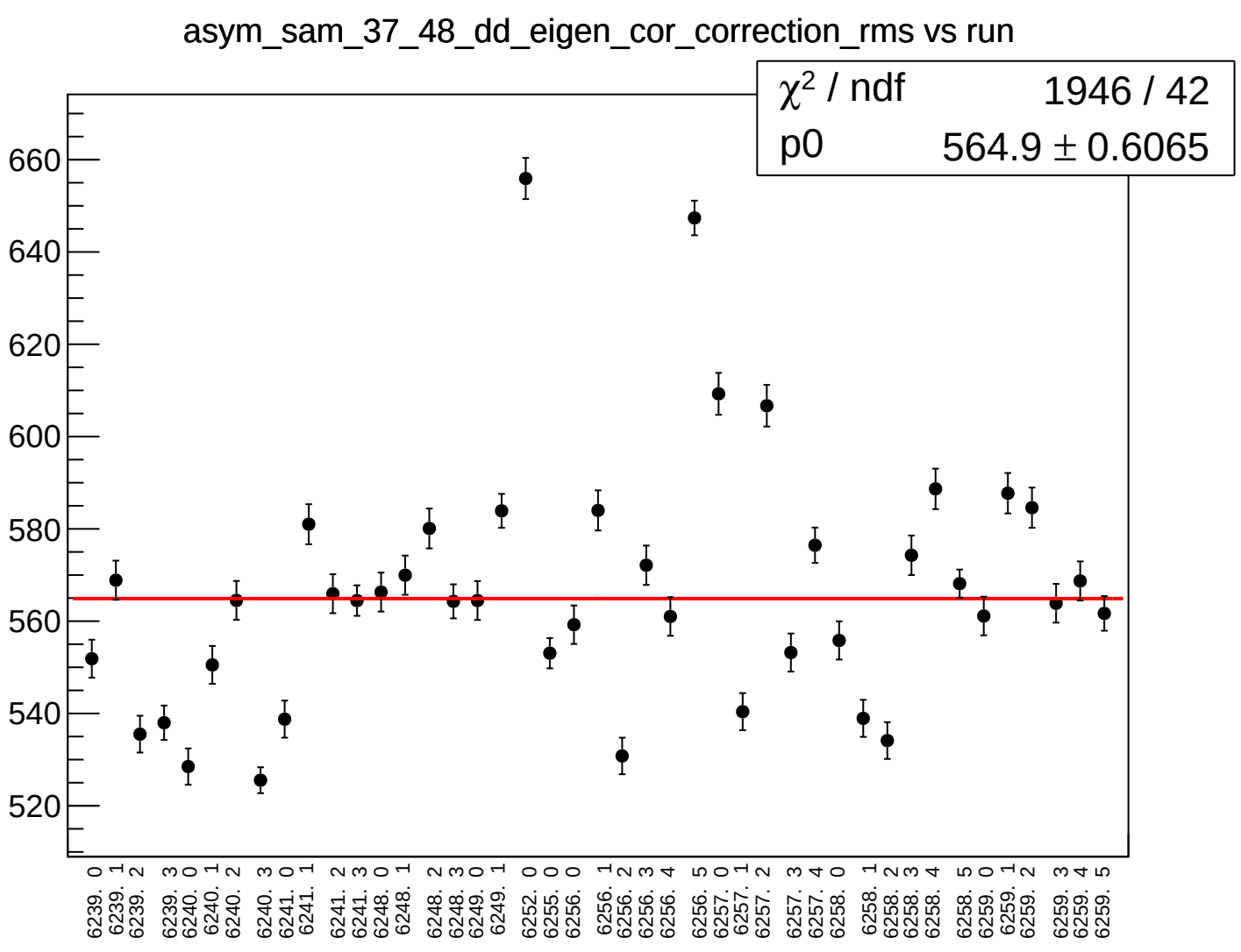
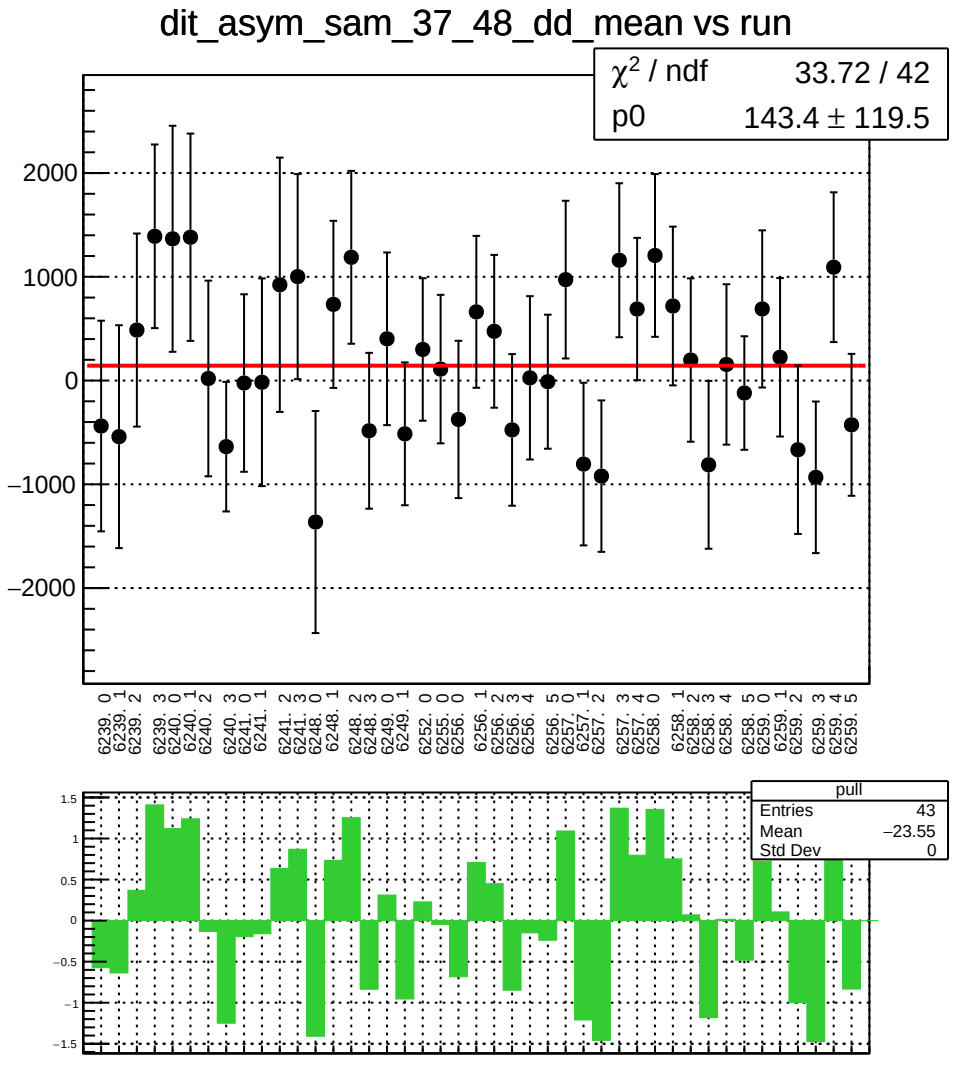
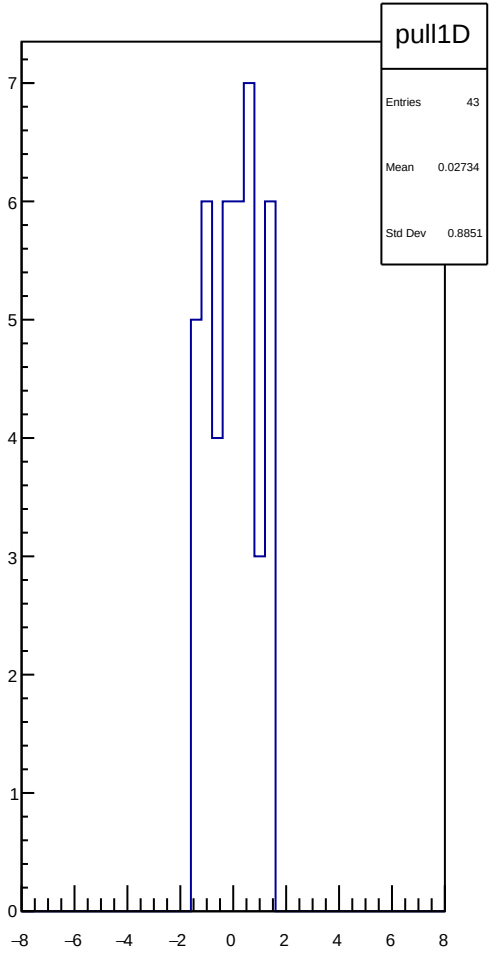
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

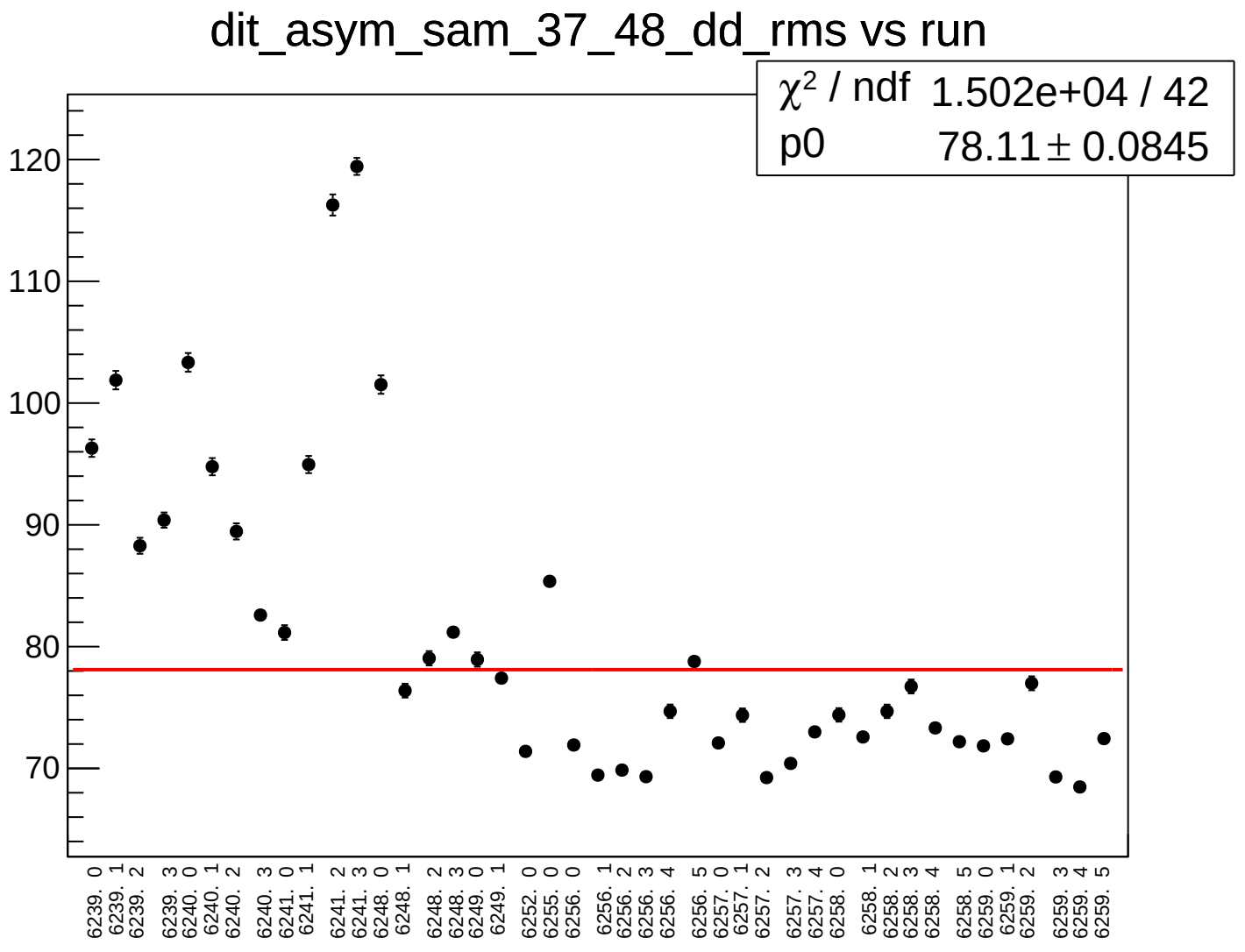

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.37 / 42
p0 17 ± 857.7
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.96
Std Dev 0
3
2
1
0
−1
−2

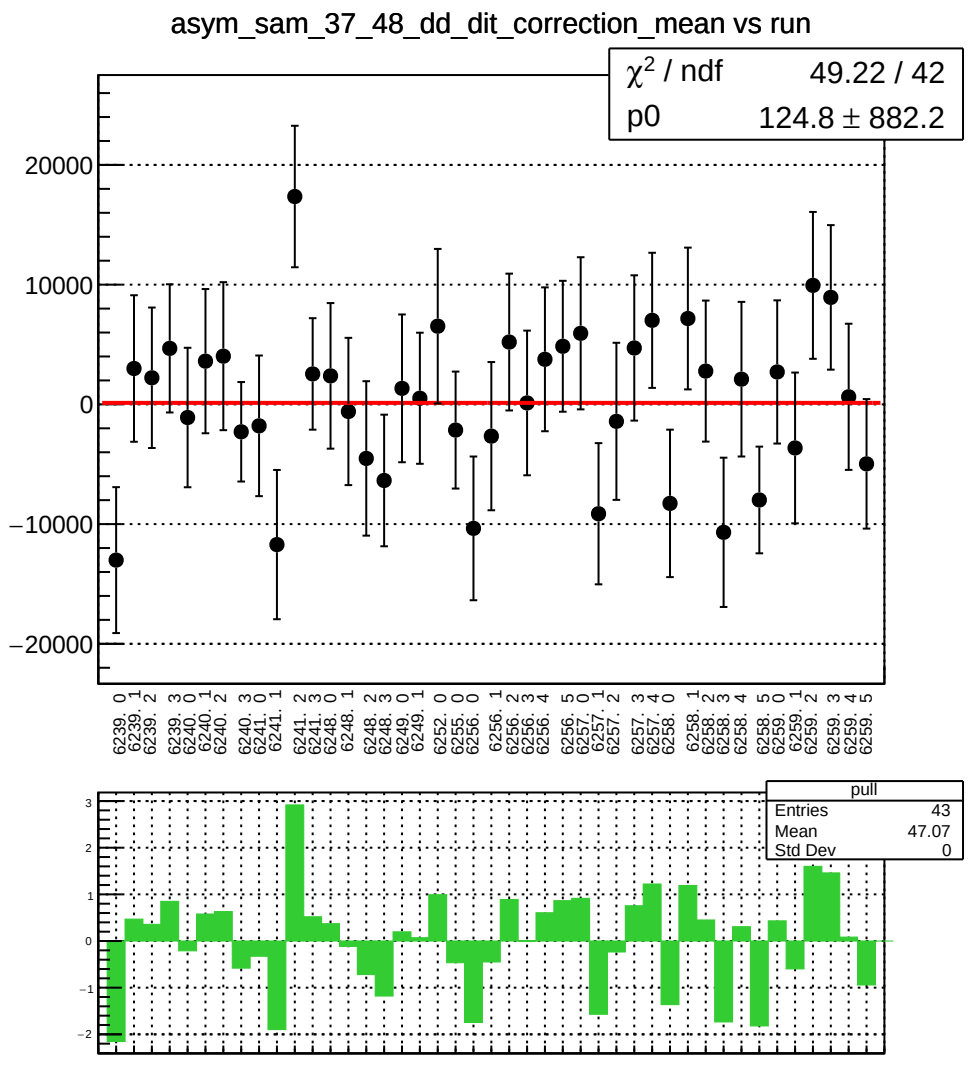

pull1D
Entries 43
Mean 0.02027
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

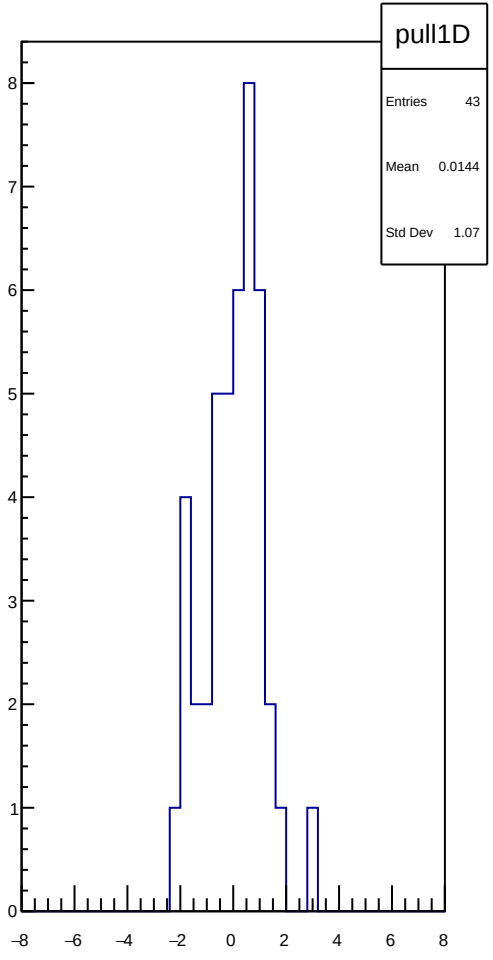

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1946 / 42
p0 564.9 ± 0.6065
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

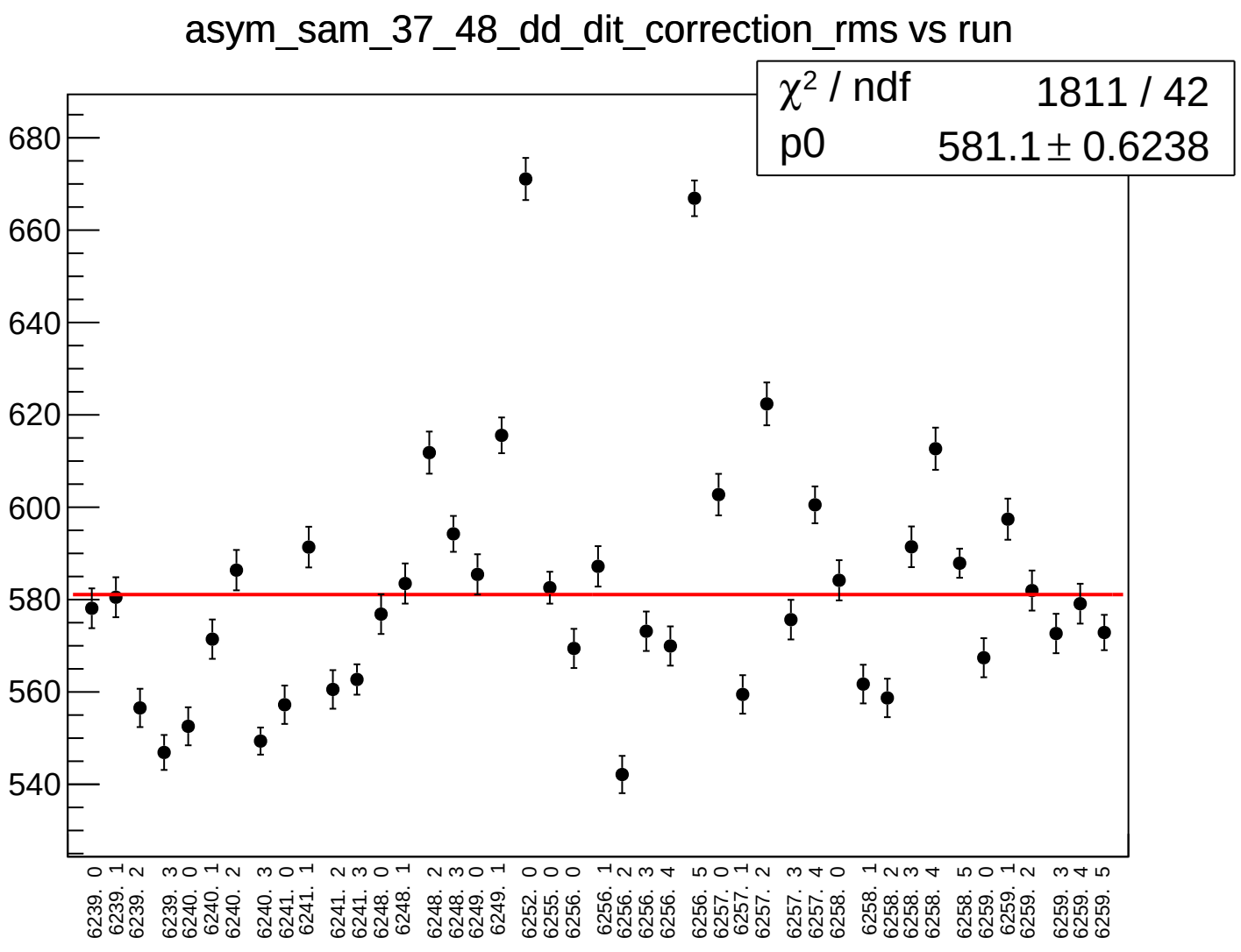

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 33.72 / 42
p0 143.4 ± 119.5
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −23.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

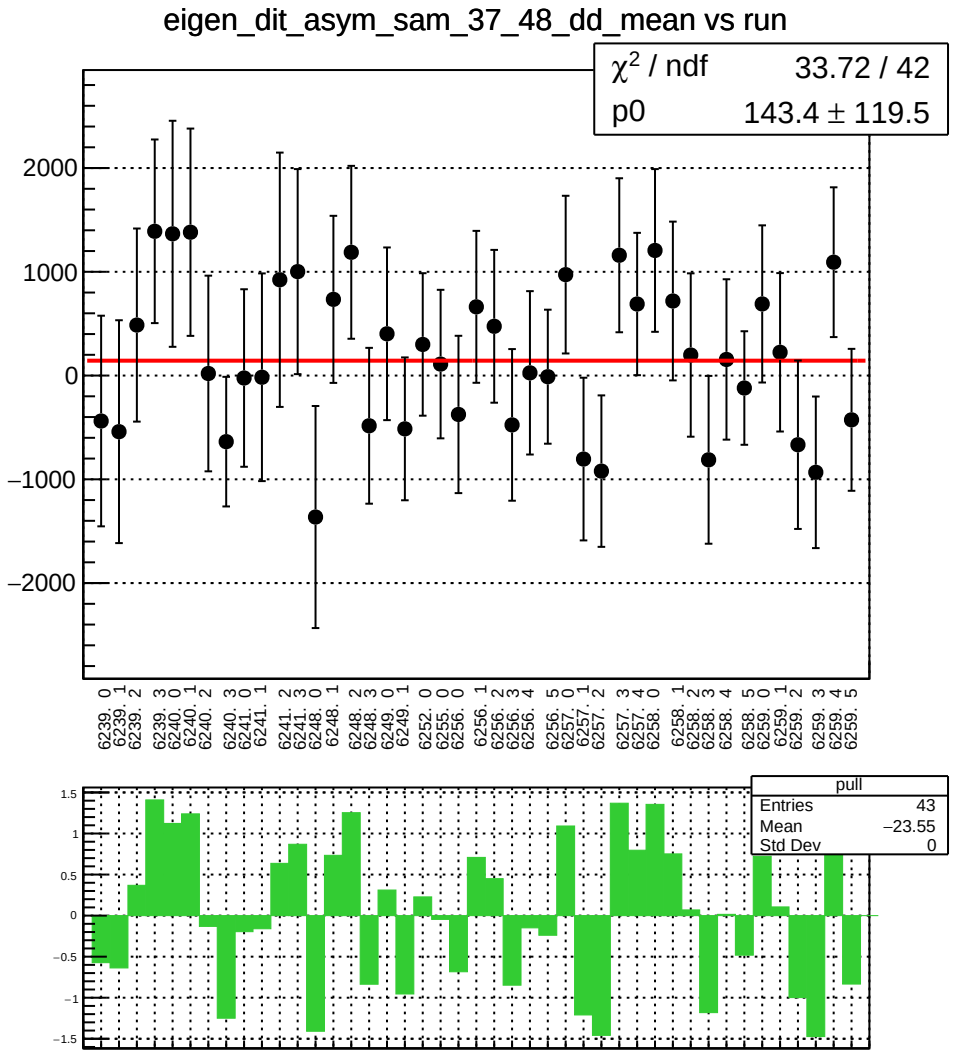

pull1D
Entries 43
Mean 0.02734
Std Dev 0.8851
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

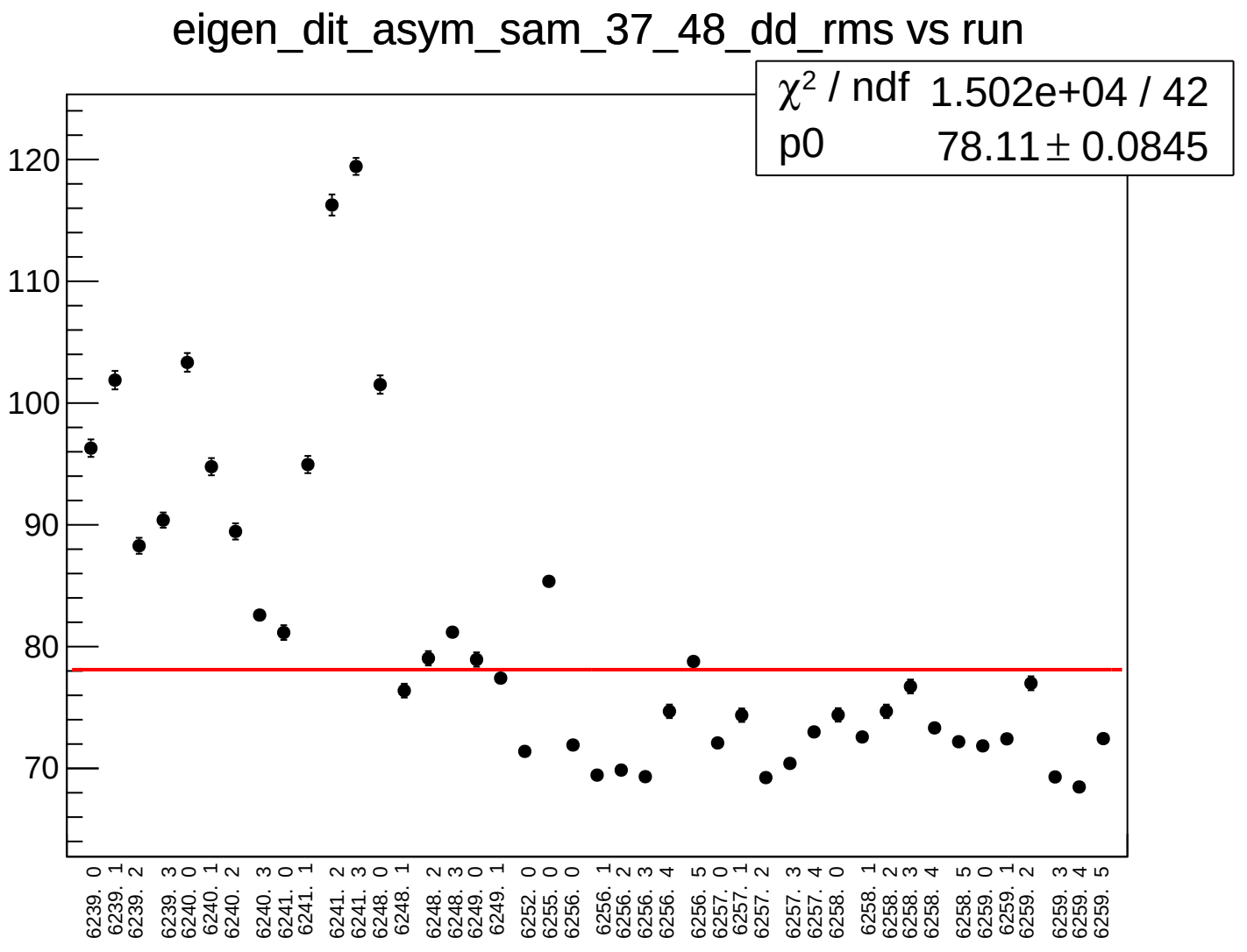

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.502e+04 / 42
p0 78.11 ± 0.0845
120
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

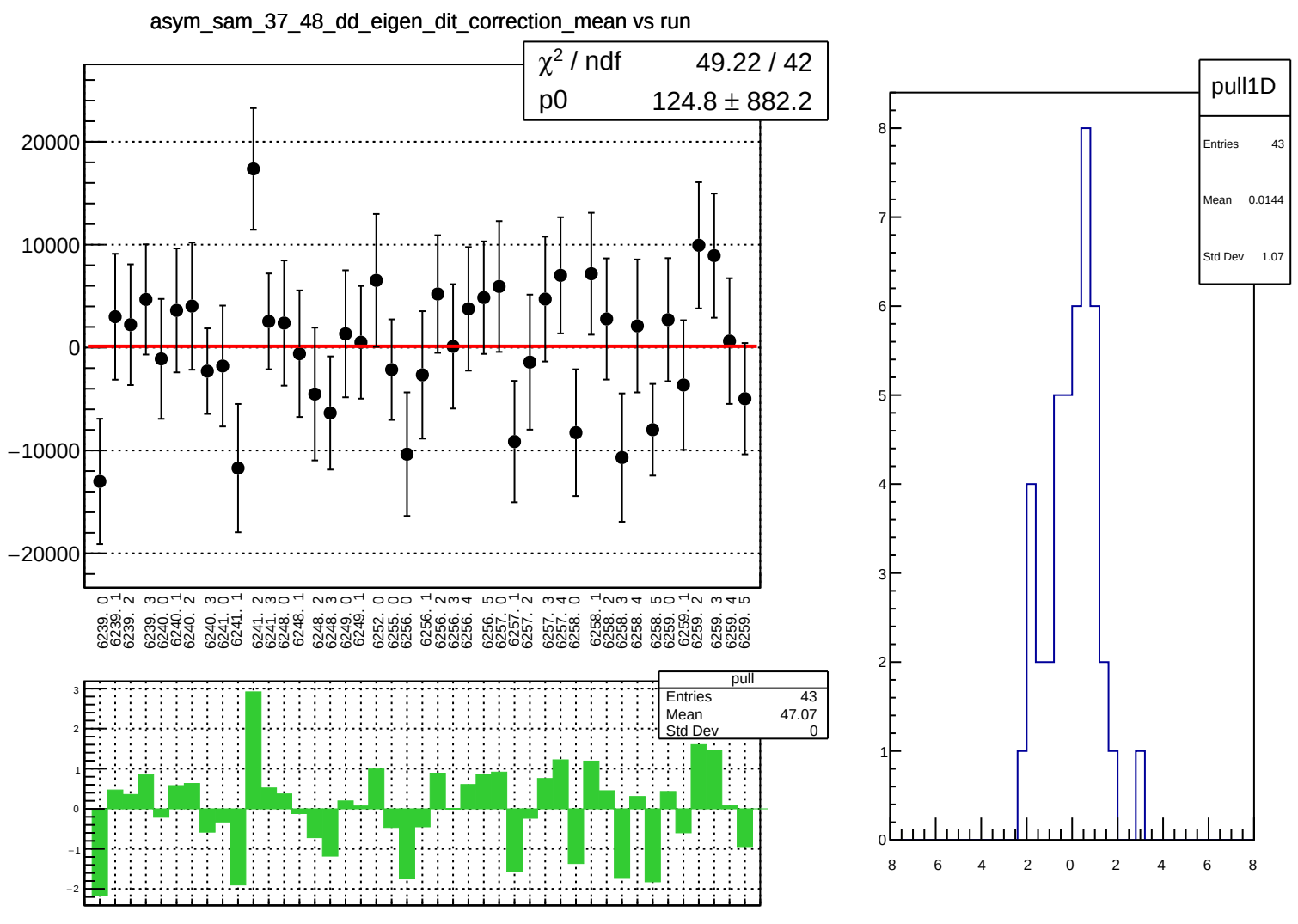

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 49.22 / 42
p0 124.8 ± 882.2
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.07
Std Dev 0
3
2
1
0
−1
−2

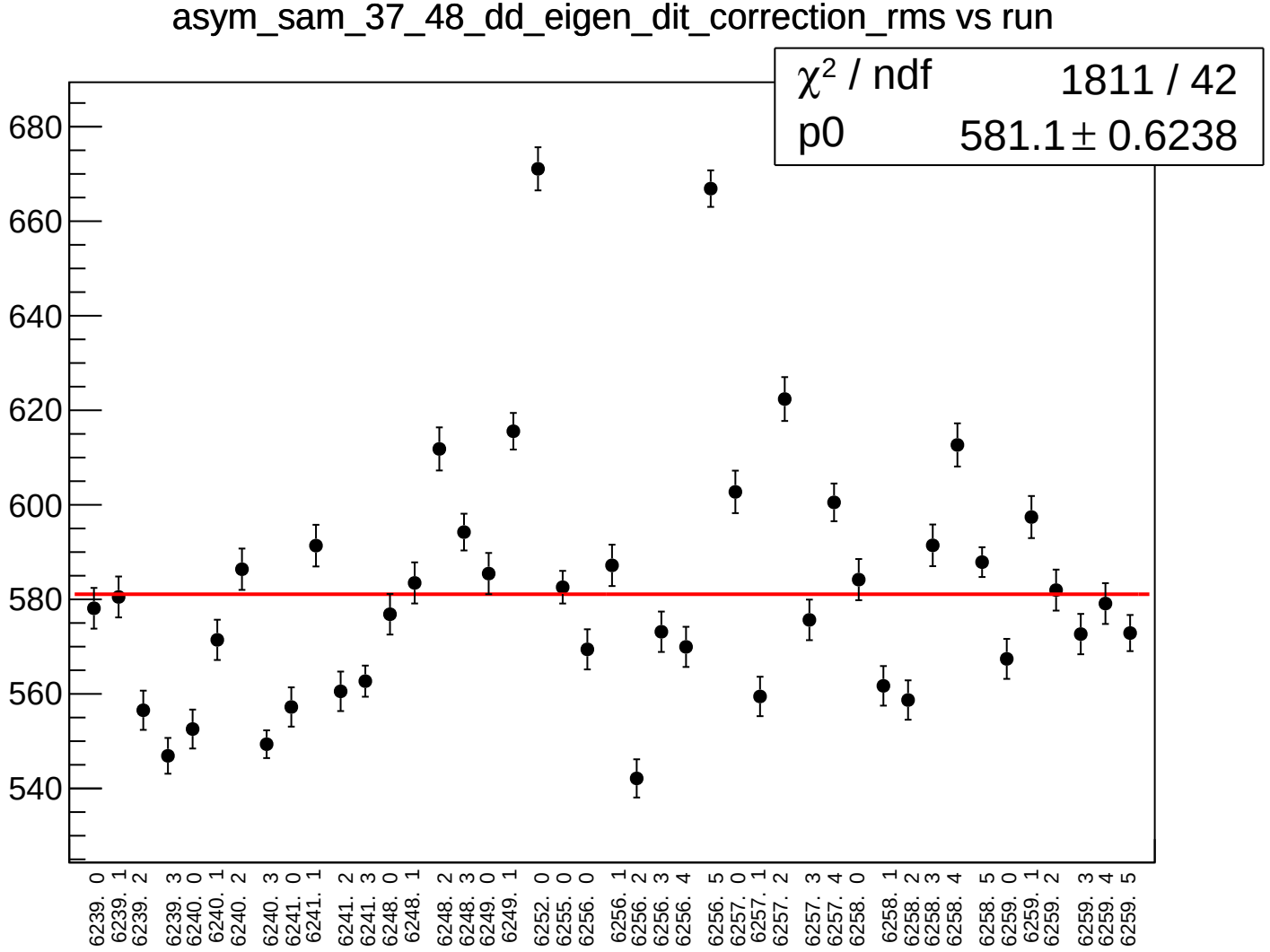

pull1D
Entries 43
Mean 0.0144
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

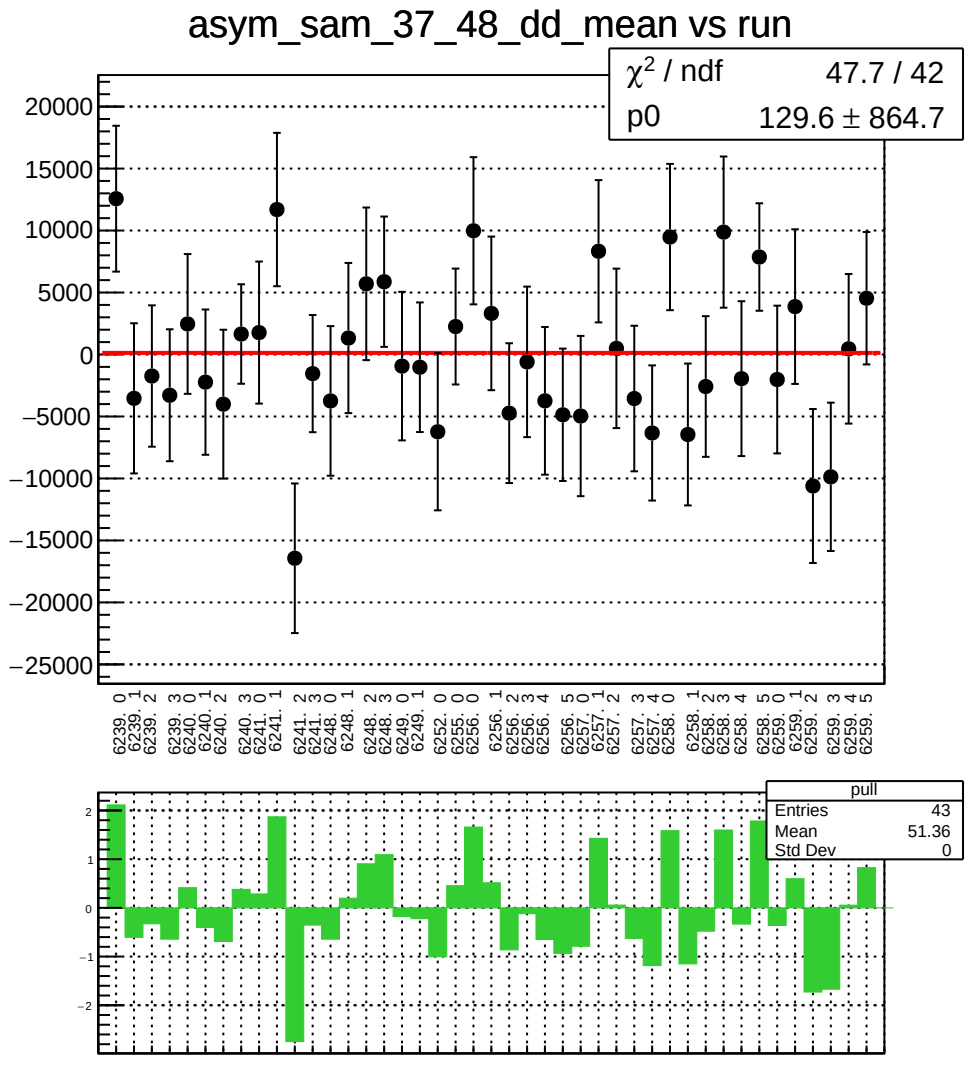

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 1811 / 42
p0 581.1 ± 0.6238
680
660
640
620
600
580
560
540
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

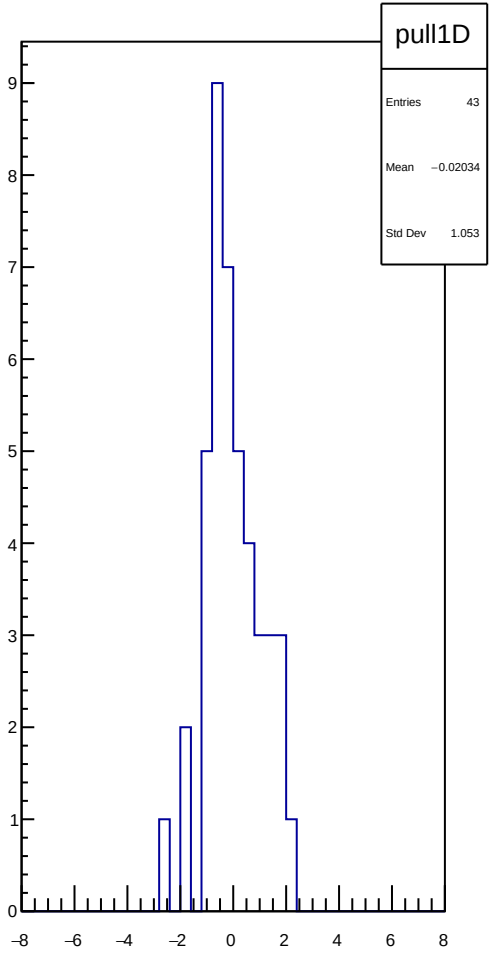

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 33.72 / 42
p0 143.4 ± 119.5
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −23.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02734
Std Dev 0.8851
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

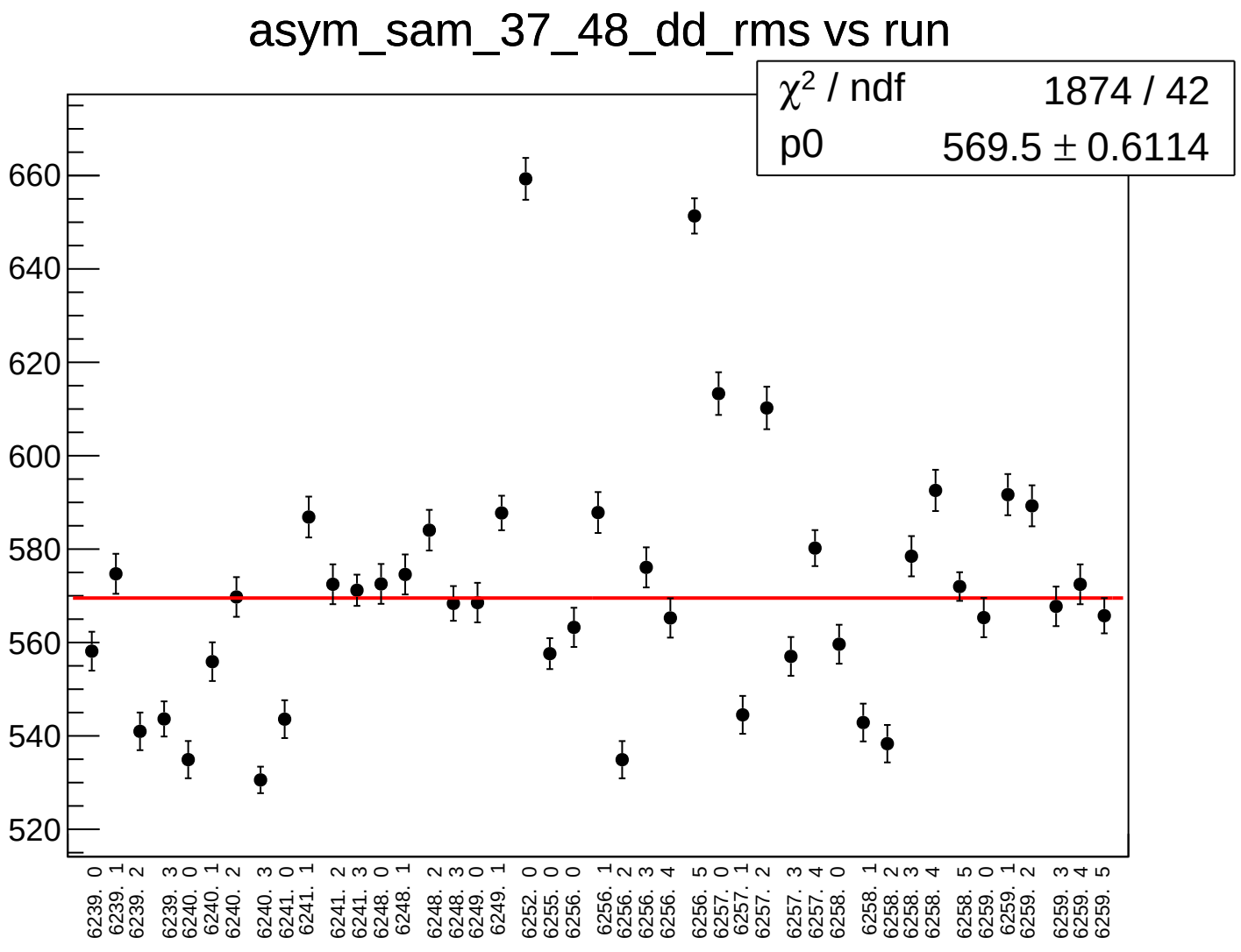

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.502e+04 / 42
p0 78.11 ± 0.0845
120
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

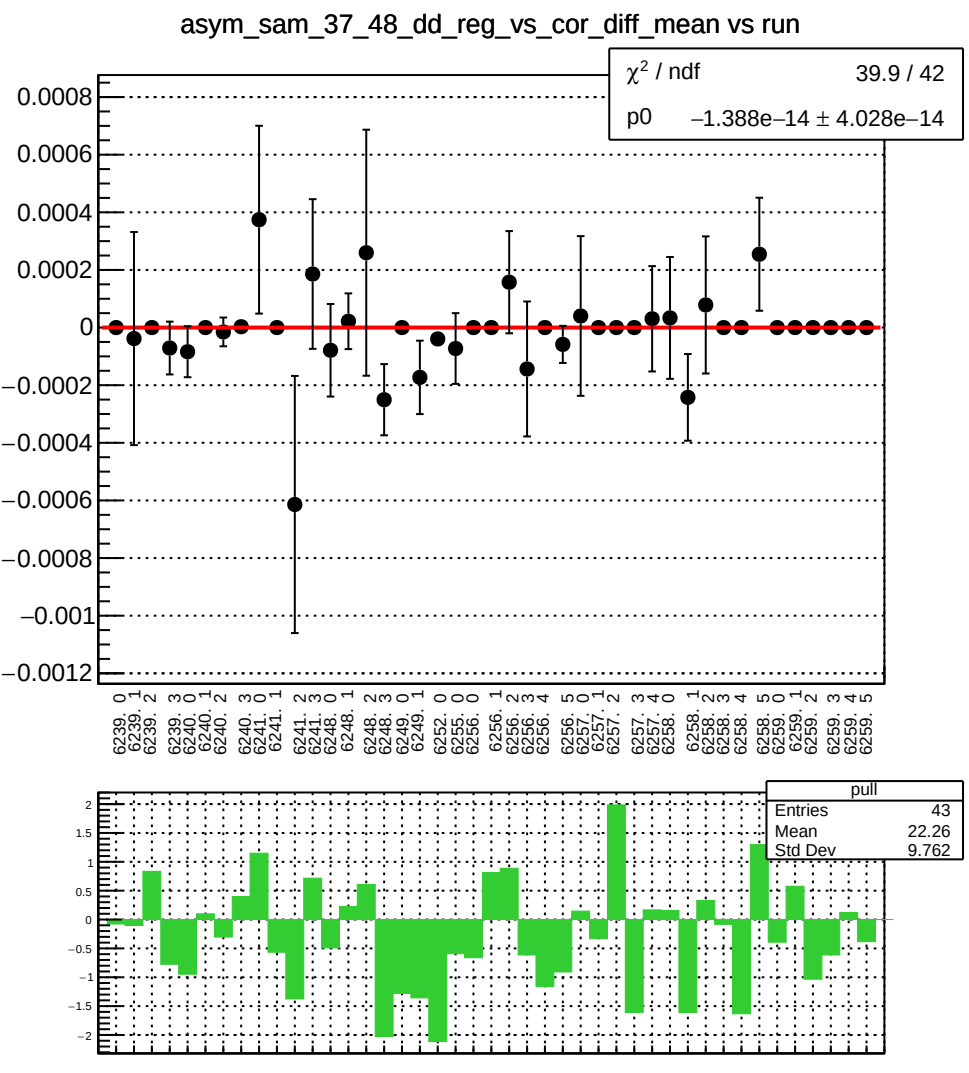

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.22 / 42
p0 124.8 ± 882.2
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 47.07
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.0144
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

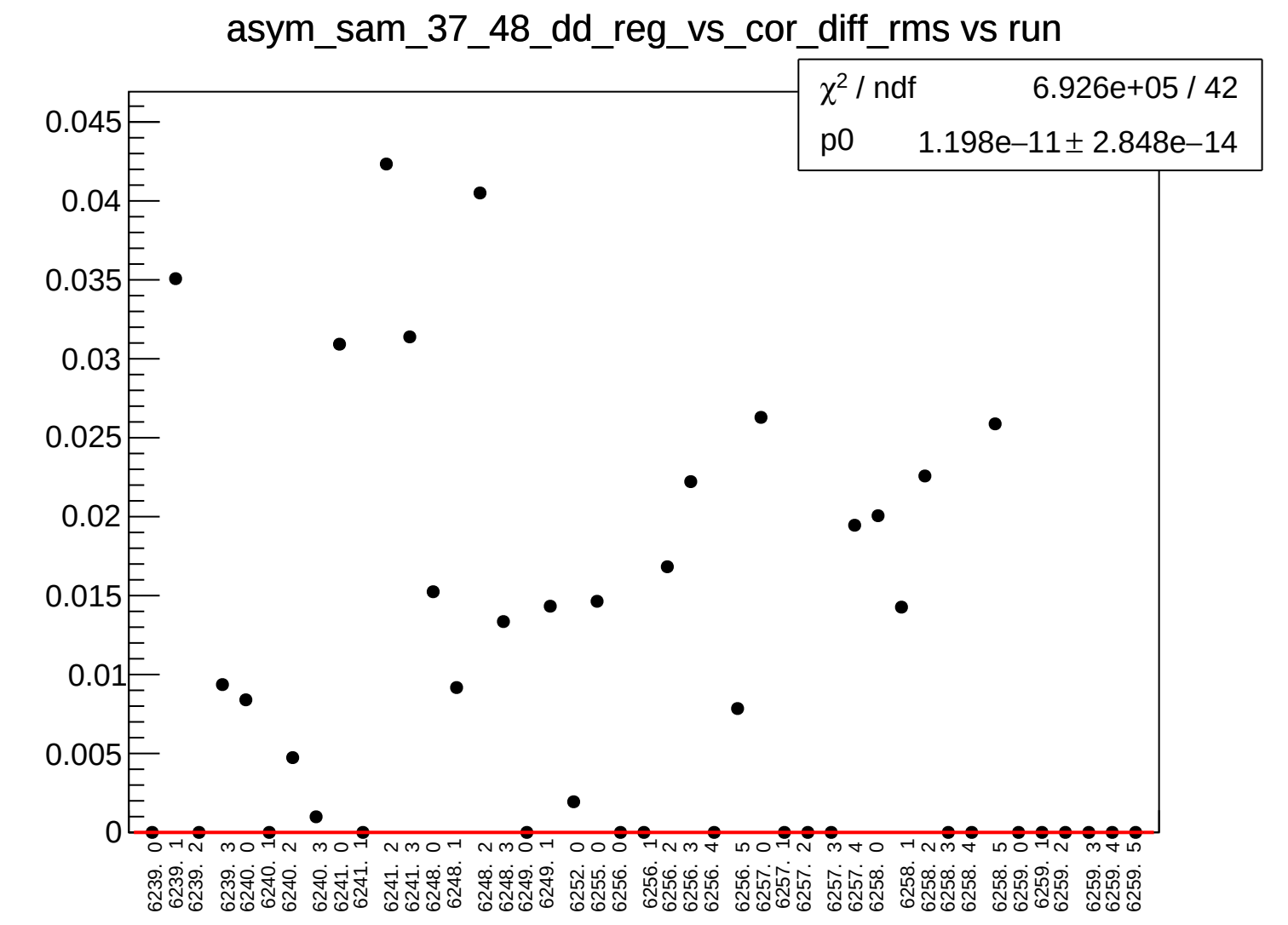

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1811 / 42
p0 581.1 ± 0.6238
680
660
640
620
600
580
560
540
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

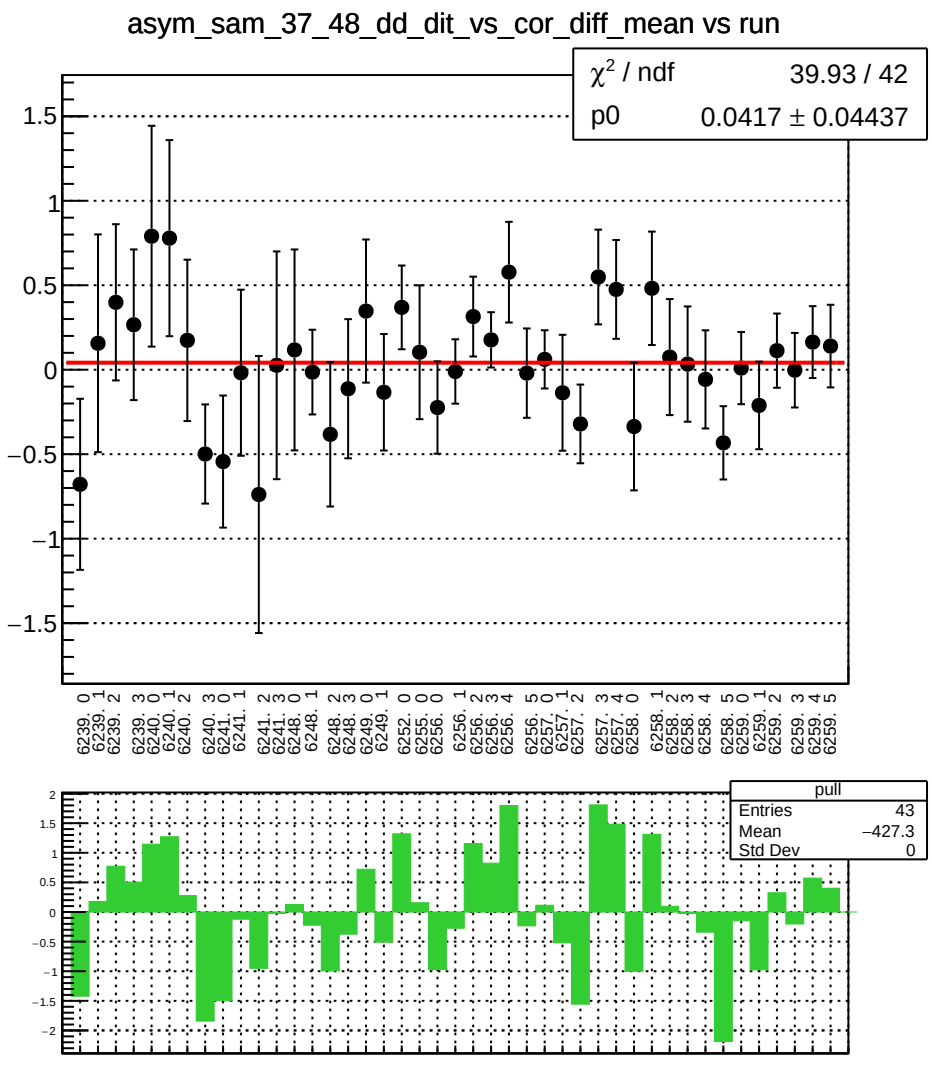

asym_sam_37_48_dd_mean vs run
χ² / ndf 47.7 / 42
p0 129.6 ± 864.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 51.36
Std Dev 0
2
1
0
−1
−2

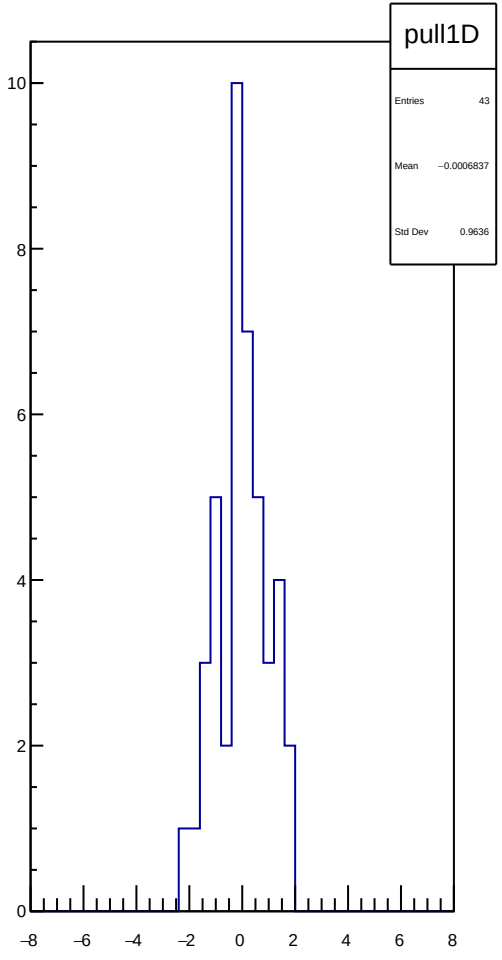

pull1D
Entries 43
Mean −0.02034
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

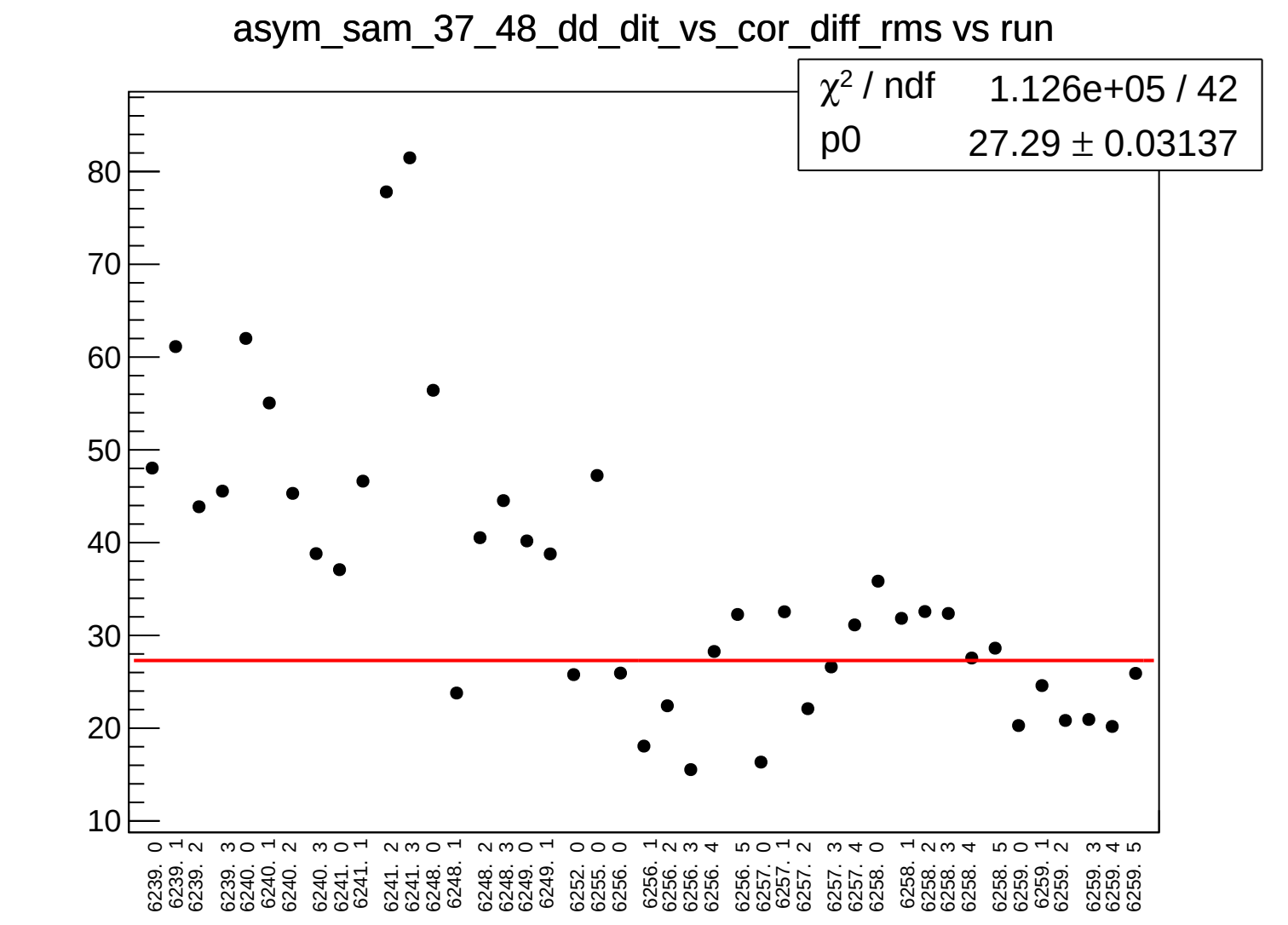

asym_sam_37_48_dd_rms vs run
χ² / ndf 1874 / 42
p0 569.5 ± 0.6114
660
640
620
600
580
560
540
520
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

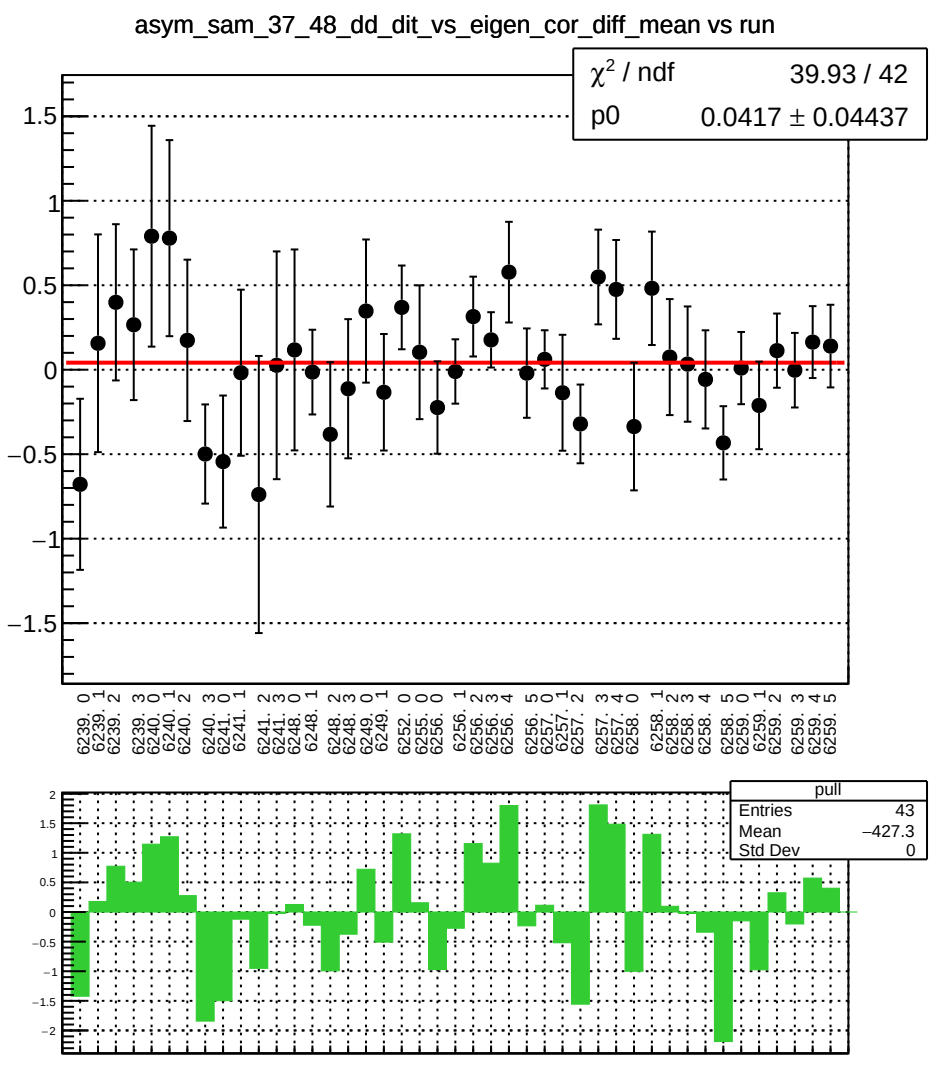

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.9 / 42
p0 −1.388e−14 ± 4.028e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 22.26
Std Dev 9.762
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.2914
Std Dev 0.9181
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

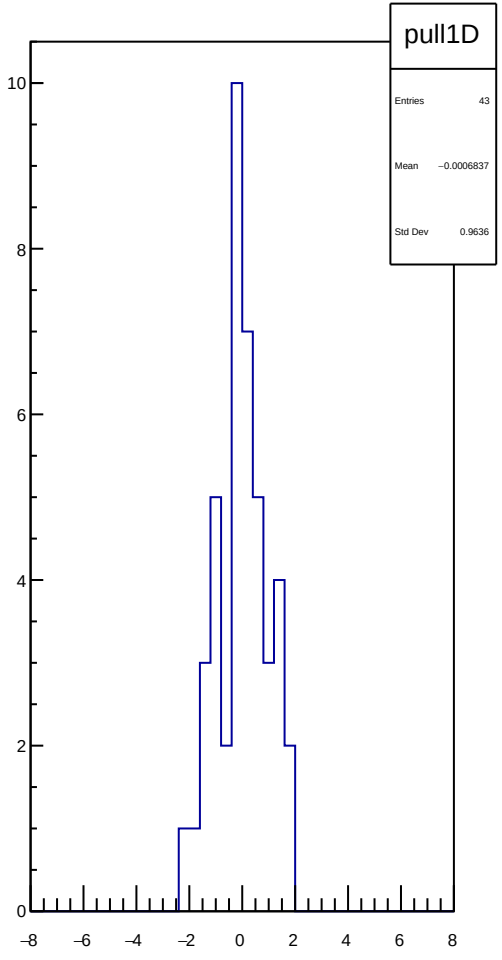

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.926e+05 / 42
p0 1.198e−11 ± 2.848e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

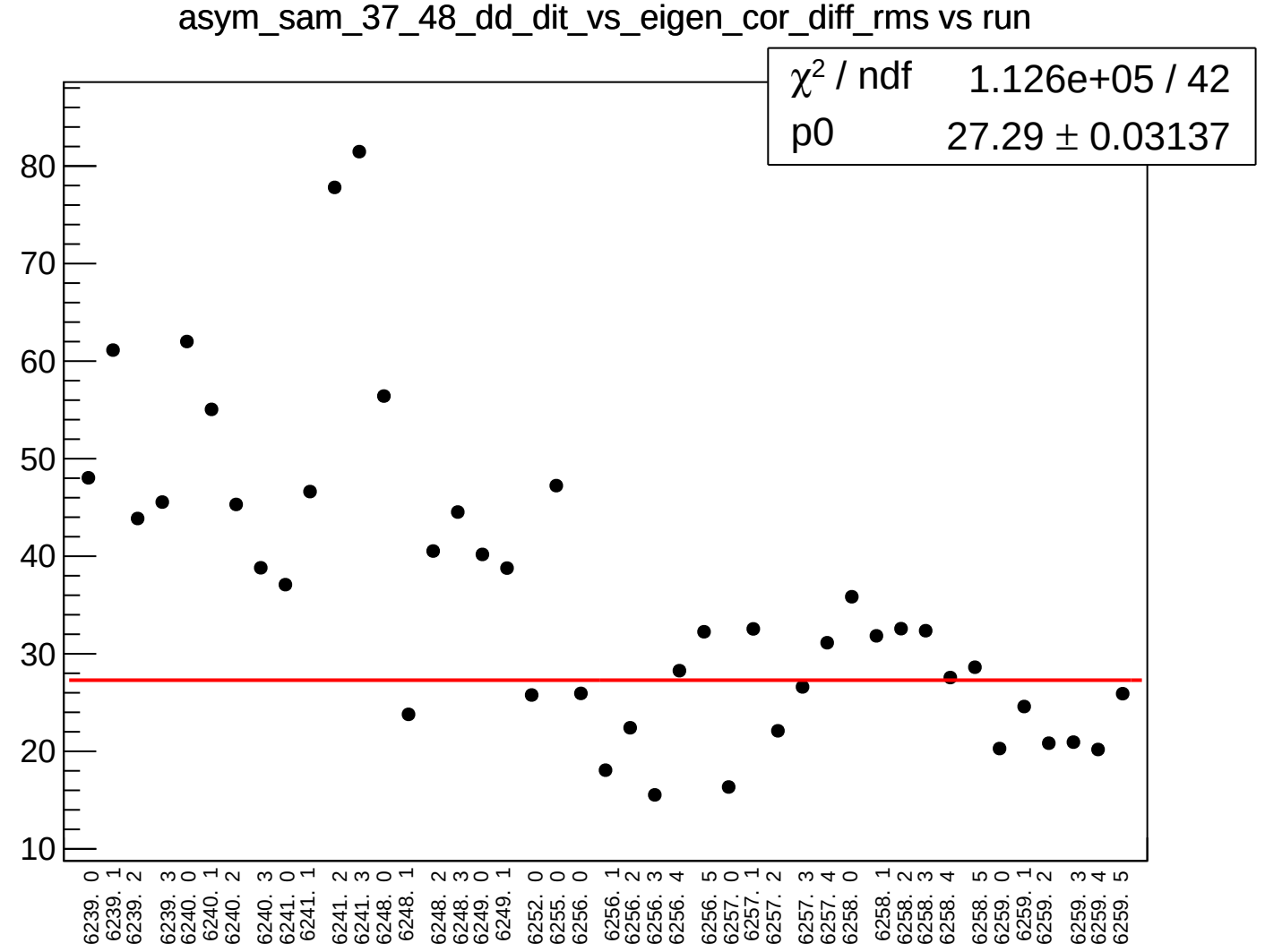

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.93 / 42
p0 0.0417 ± 0.04437
1.5
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −427.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

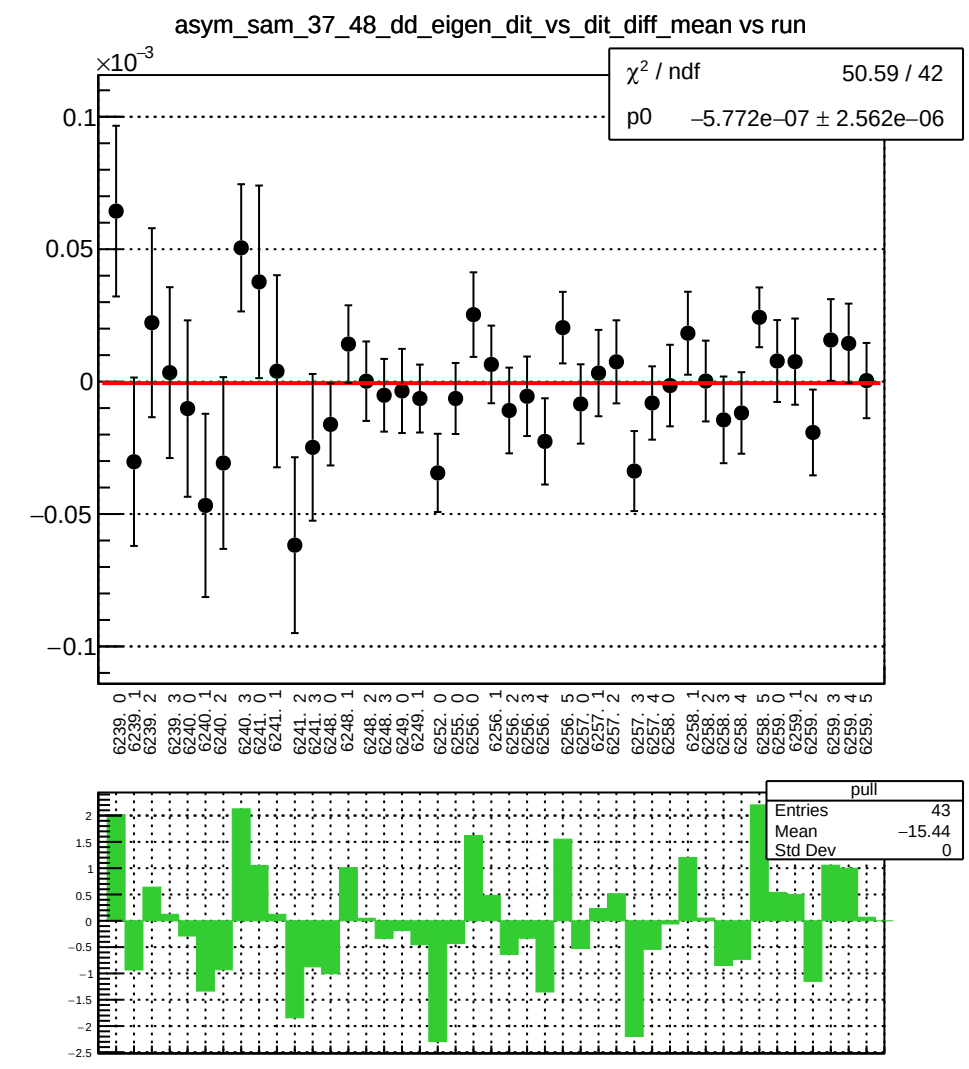

pull1D
Entries 43
Mean −0.0006837
Std Dev 0.9636
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

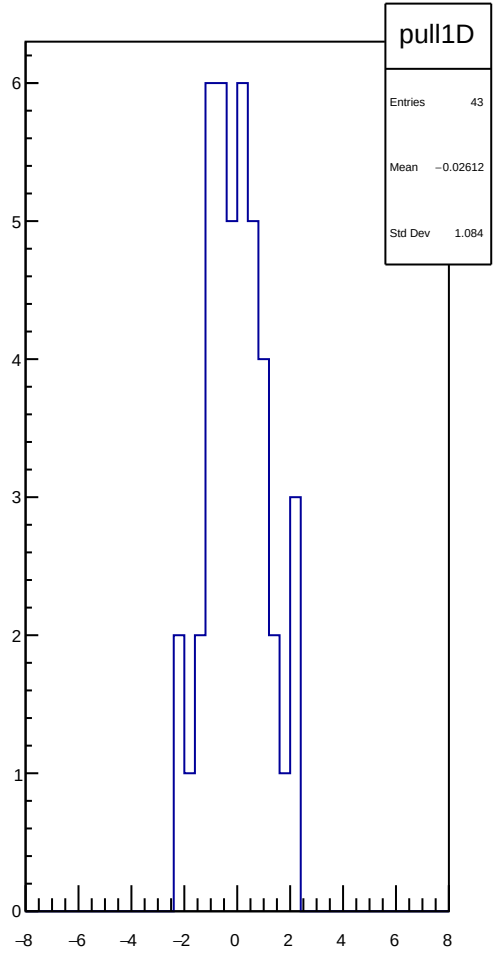

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.126e+05 / 42
p0 27.29 ± 0.03137
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

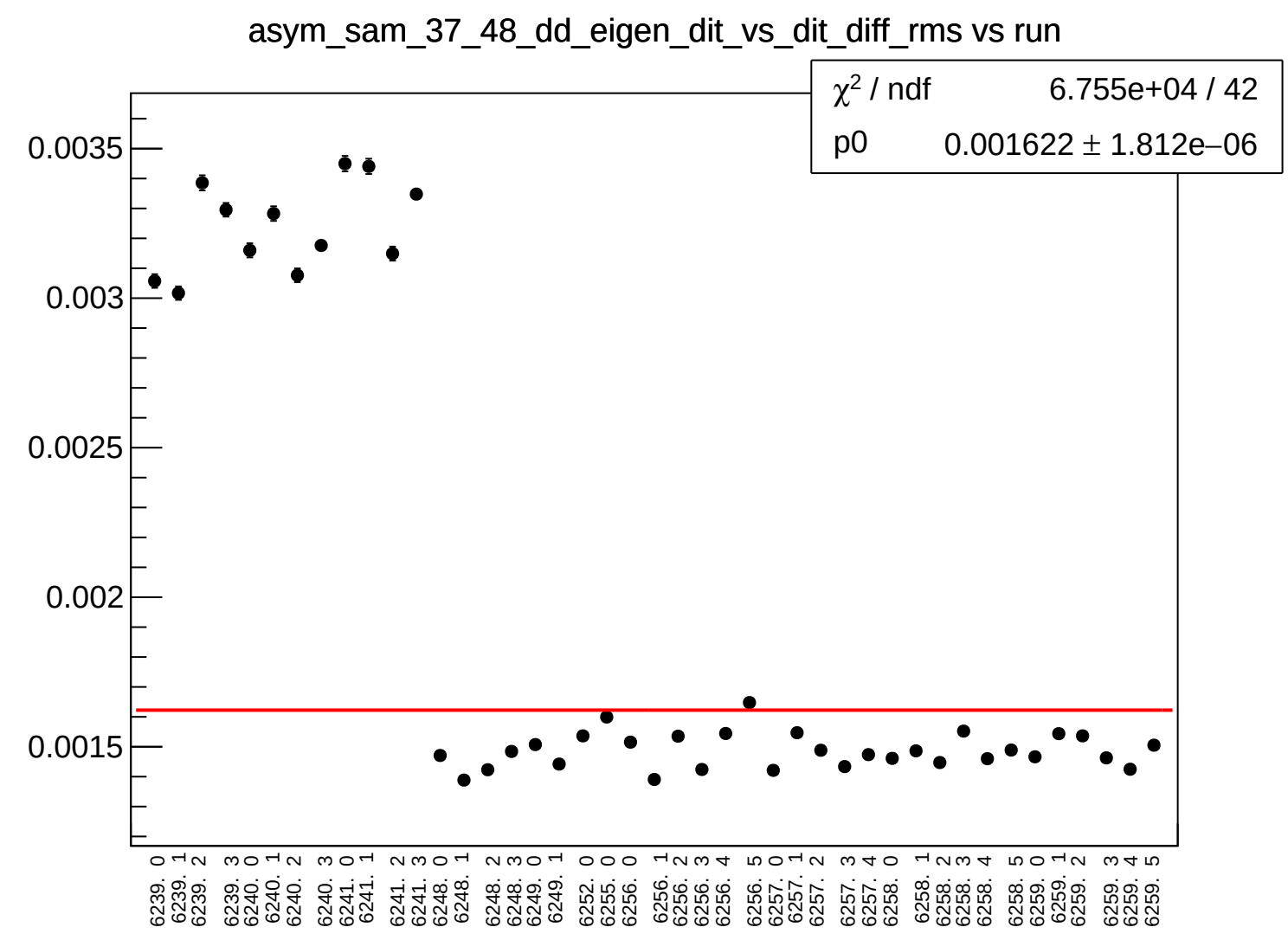

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.93 / 42
p0 0.0417 ± 0.04437
1.5
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −427.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

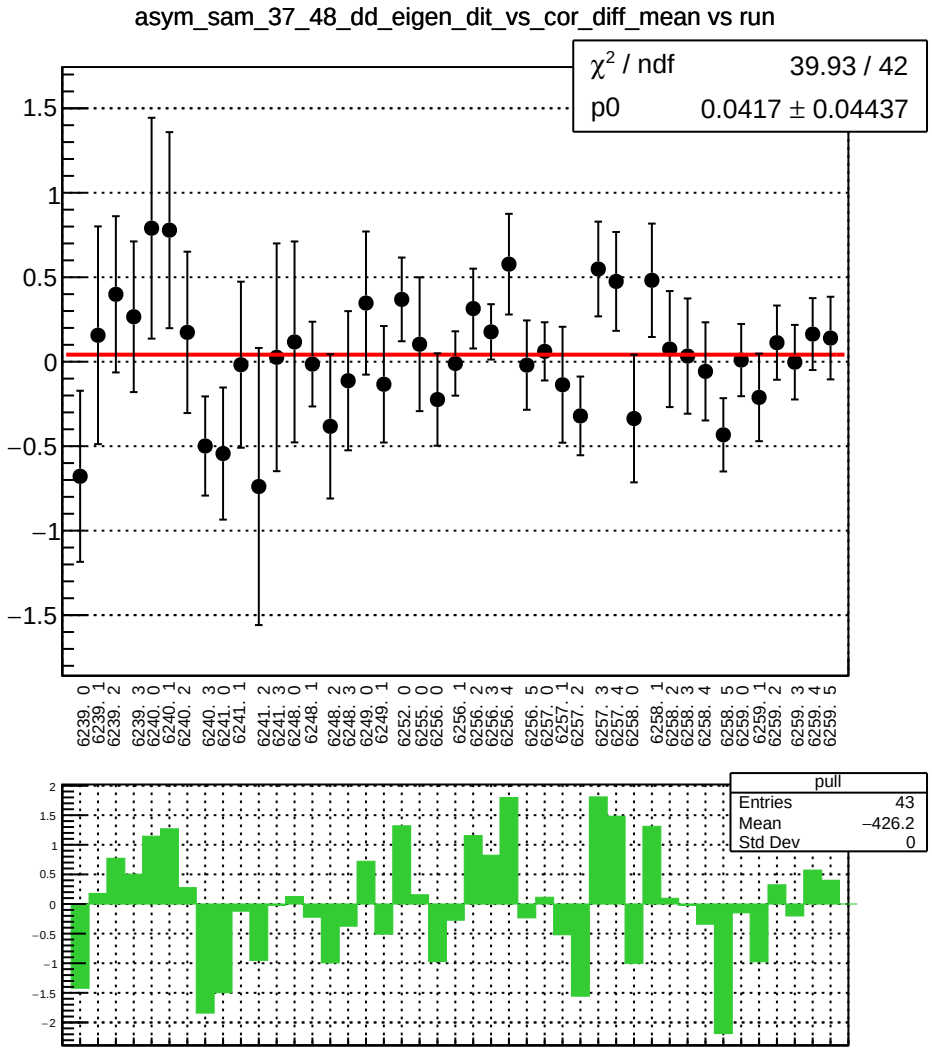

pull1D
Entries 43
Mean −0.0006837
Std Dev 0.9636
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

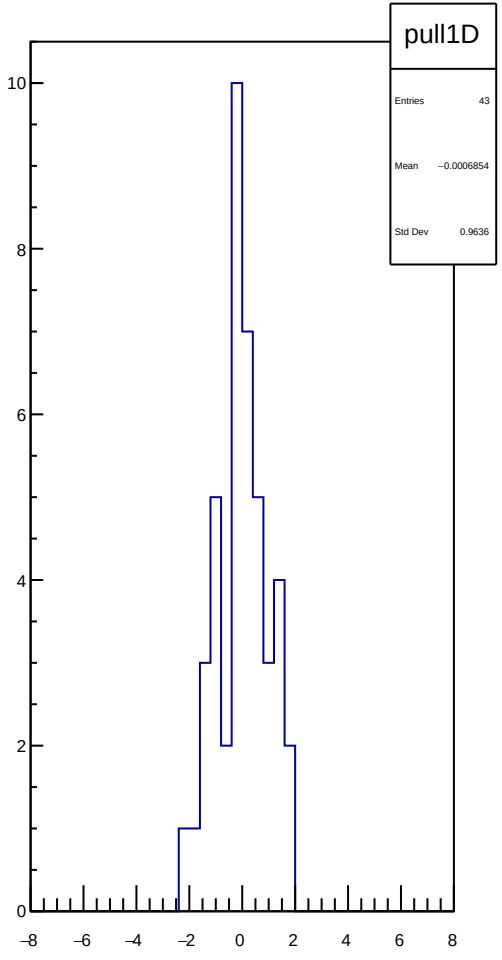

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.126e+05 / 42
p0 27.29 ± 0.03137
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

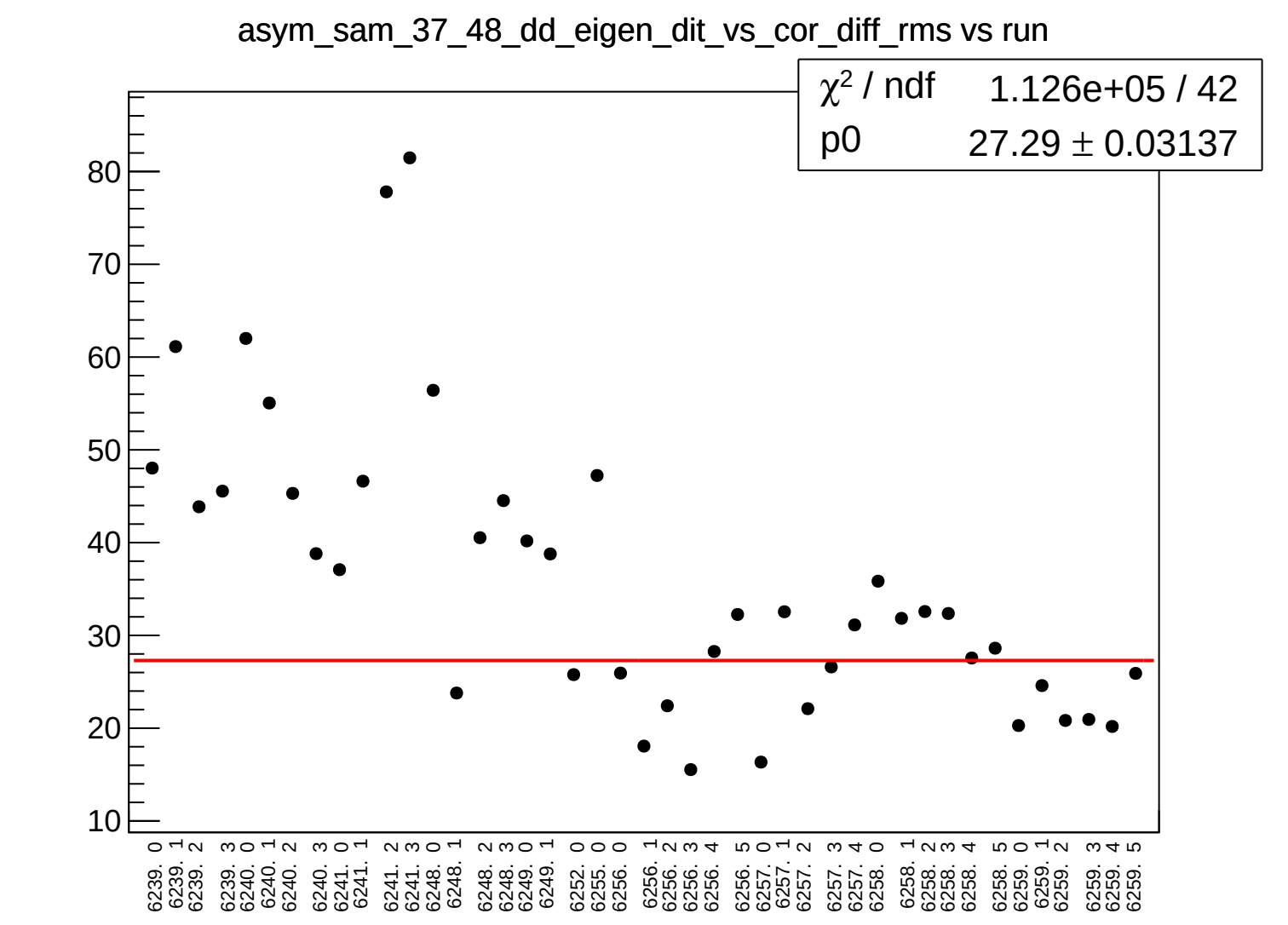

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.59 / 42
p0 −5.772e−07 ± 2.562e−06
0.1
0.05
0
−0.05
−0.1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −15.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

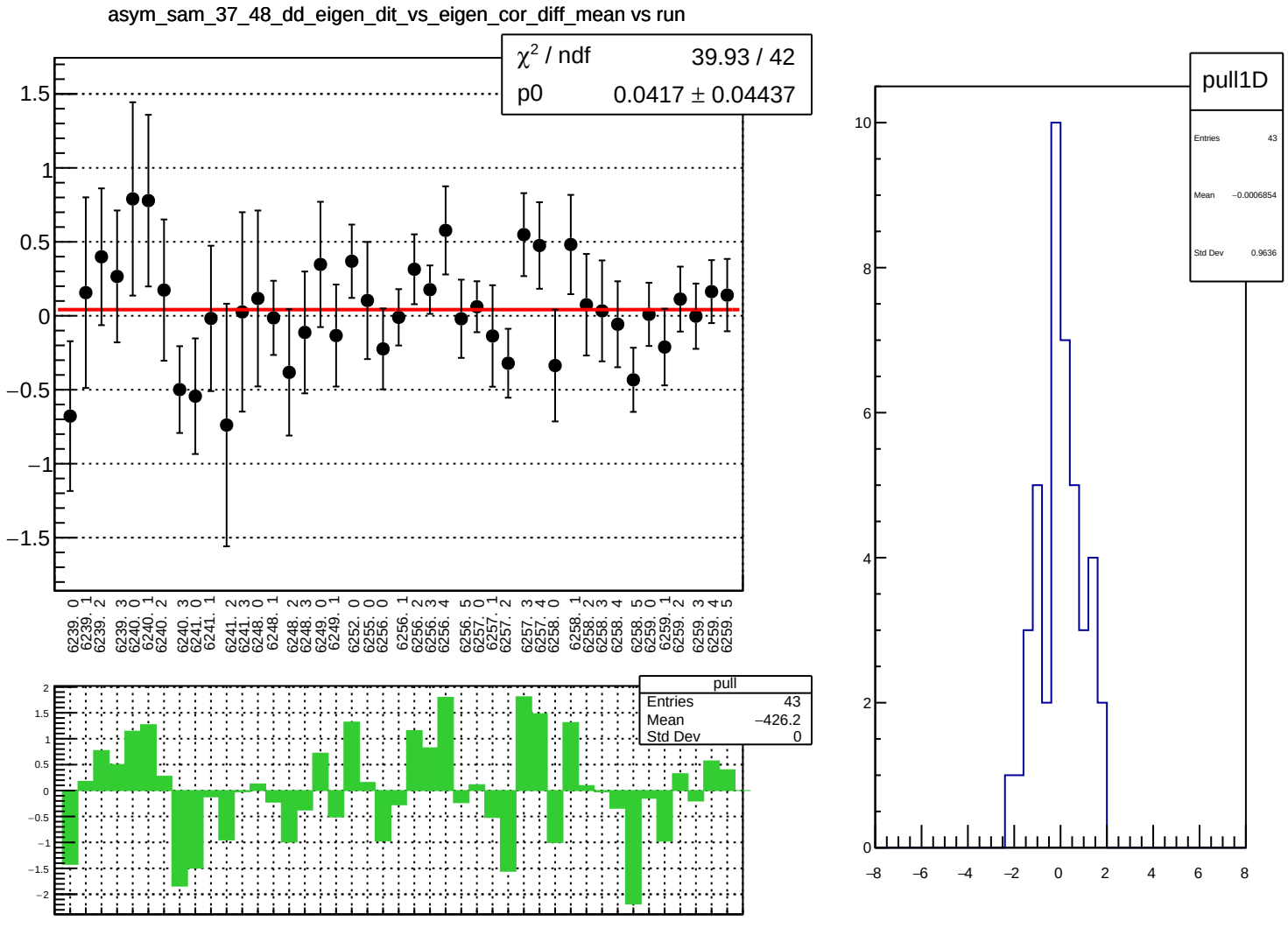

pull1D
Entries 43
Mean −0.02612
Std Dev 1.084
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

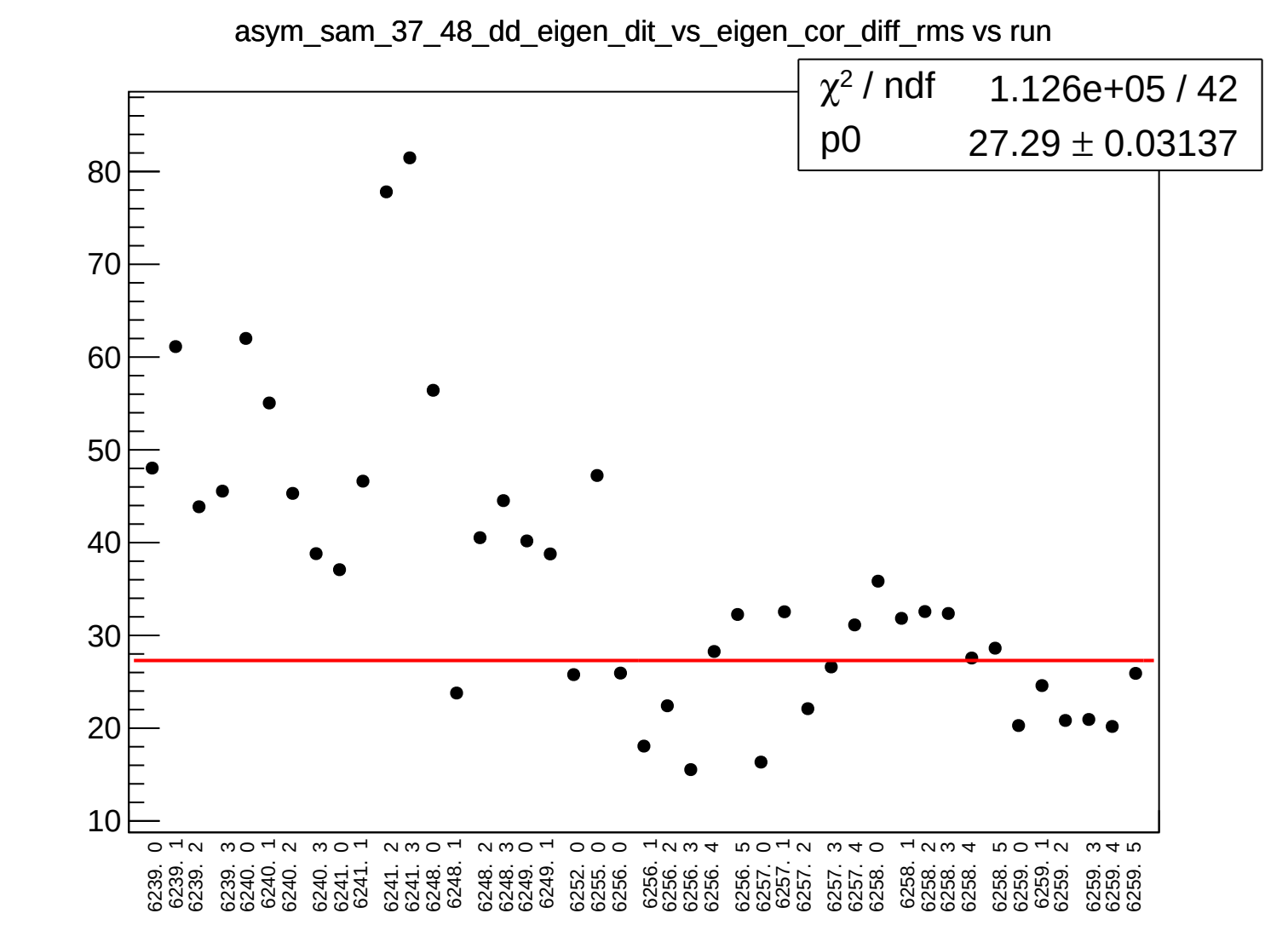

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.755e+04 / 42
p0 0.001622 ± 1.812e−06
0.0035
0.003
0.0025
0.002
0.0015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

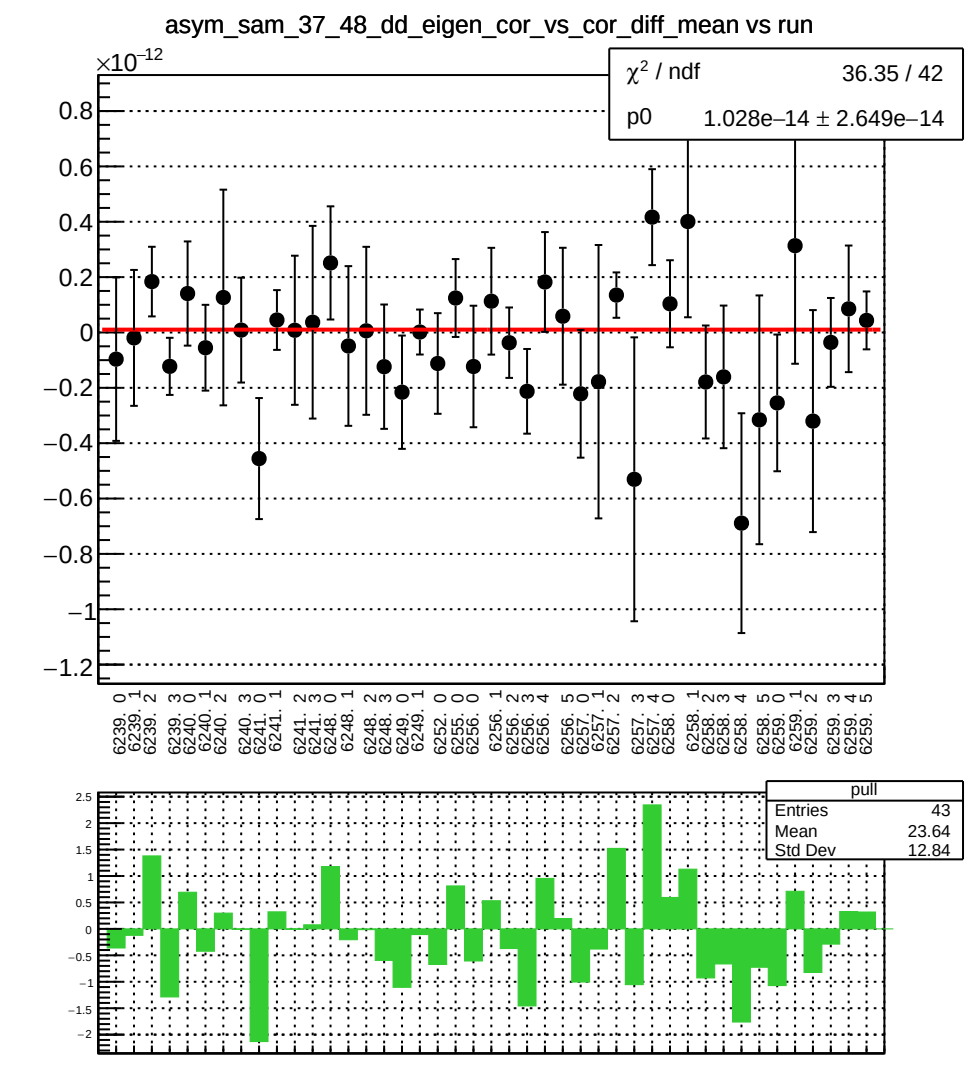

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.93 / 42
p0 0.0417 ± 0.04437
pull
Entries 43
Mean −426.2
Std Dev 0

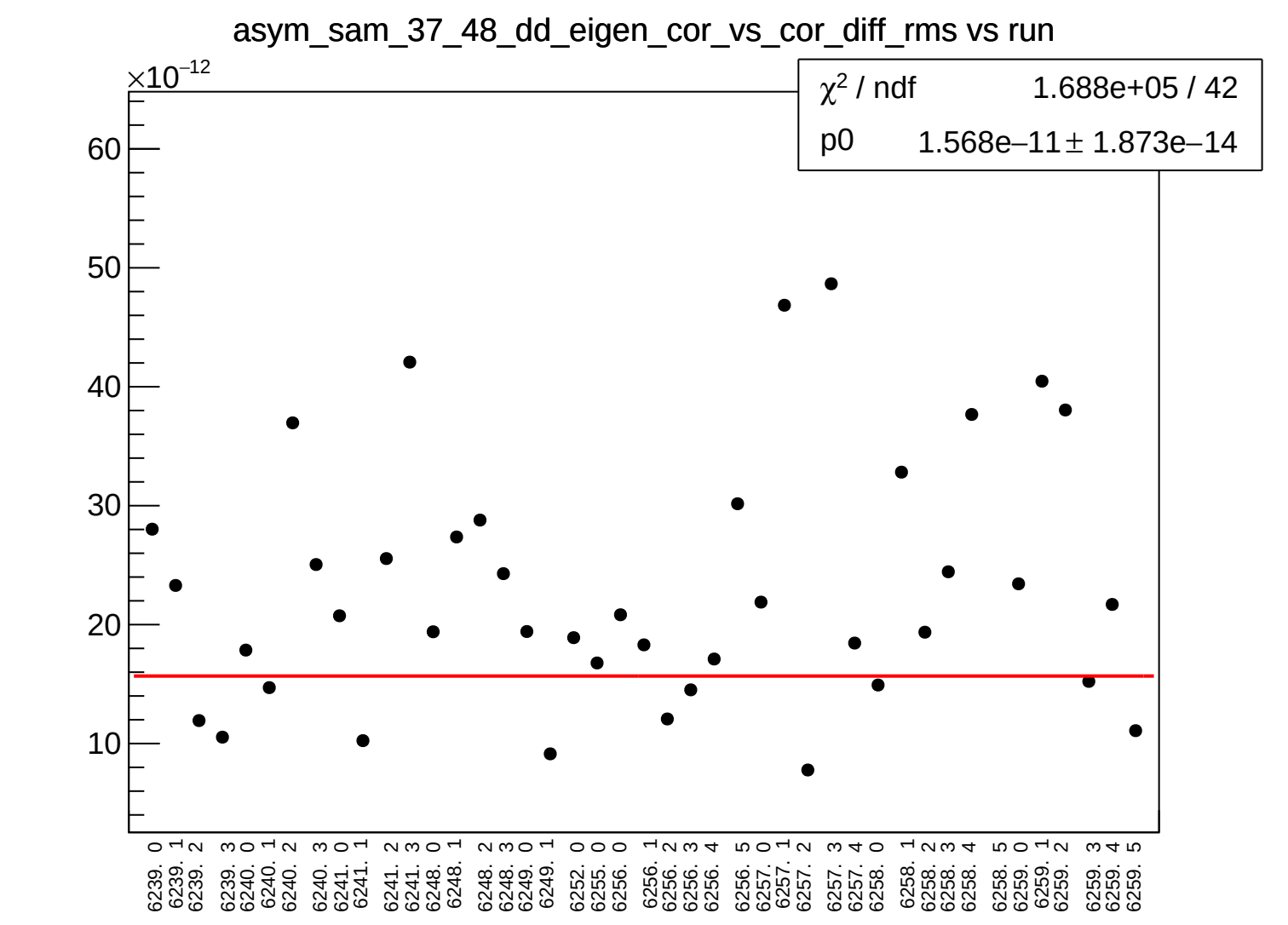

pull1D
Entries 43
Mean −0.0006854
Std Dev 0.9636

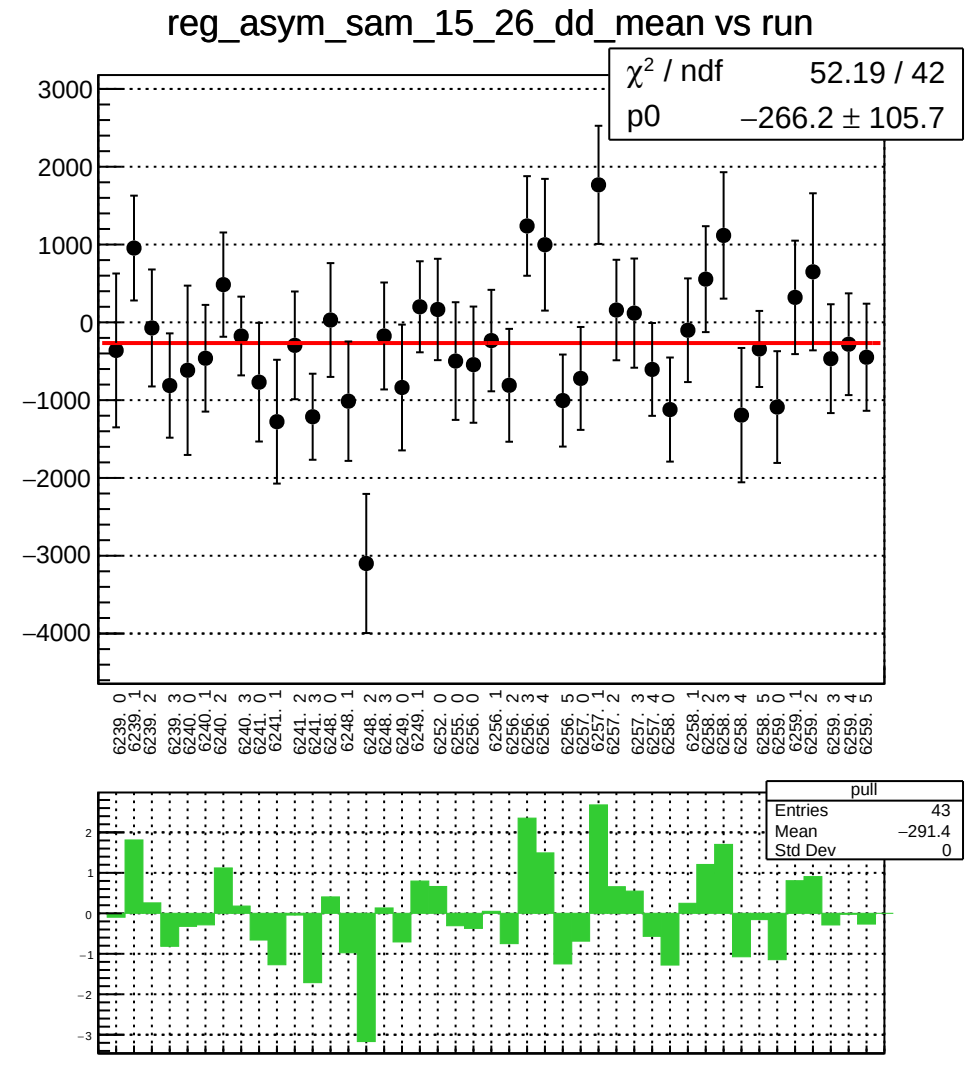

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.126e+05 / 42
p0 27.29 ± 0.03137
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

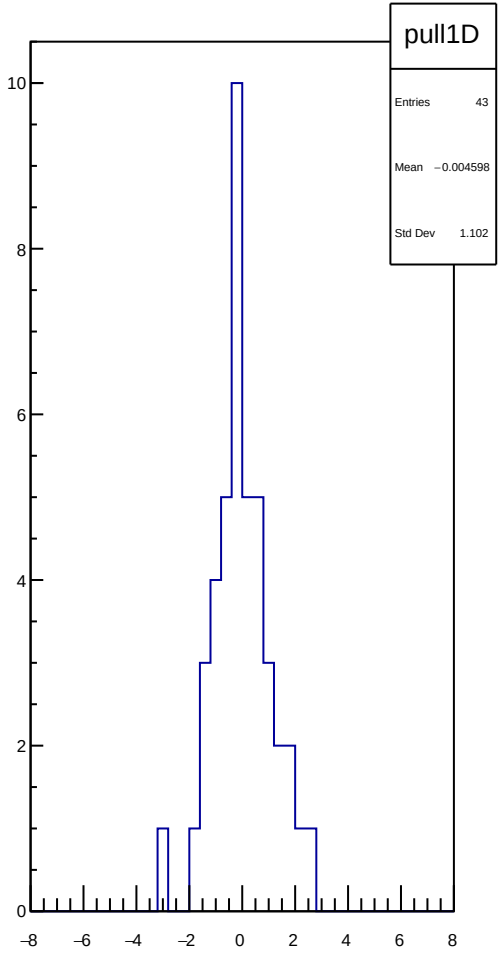

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.93 / 42
p0 0.0417 ± 0.04437
1.5
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −426.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.0006854
Std Dev 0.9636
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

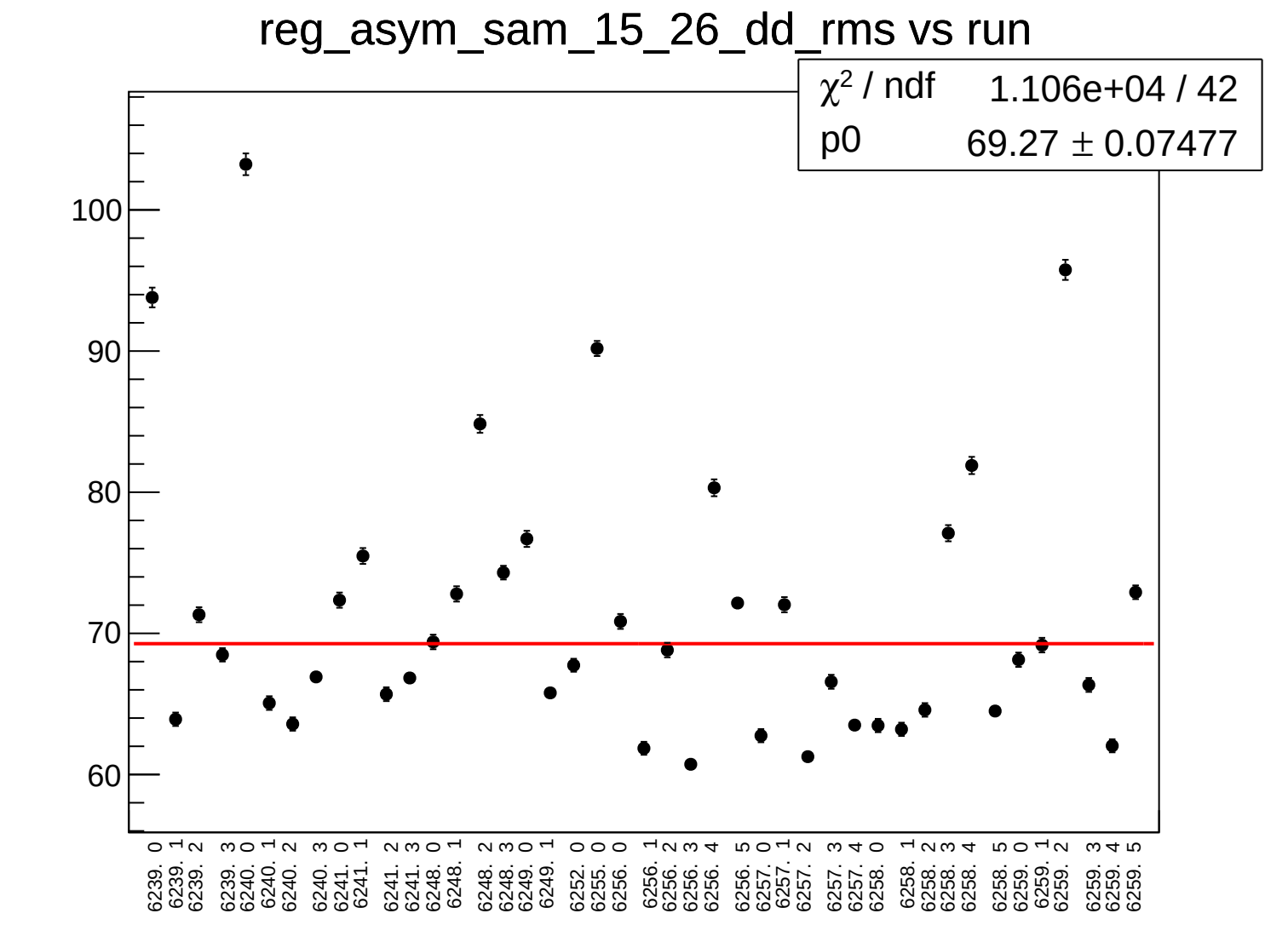

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.126e+05 / 42
p0 27.29 ± 0.03137
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

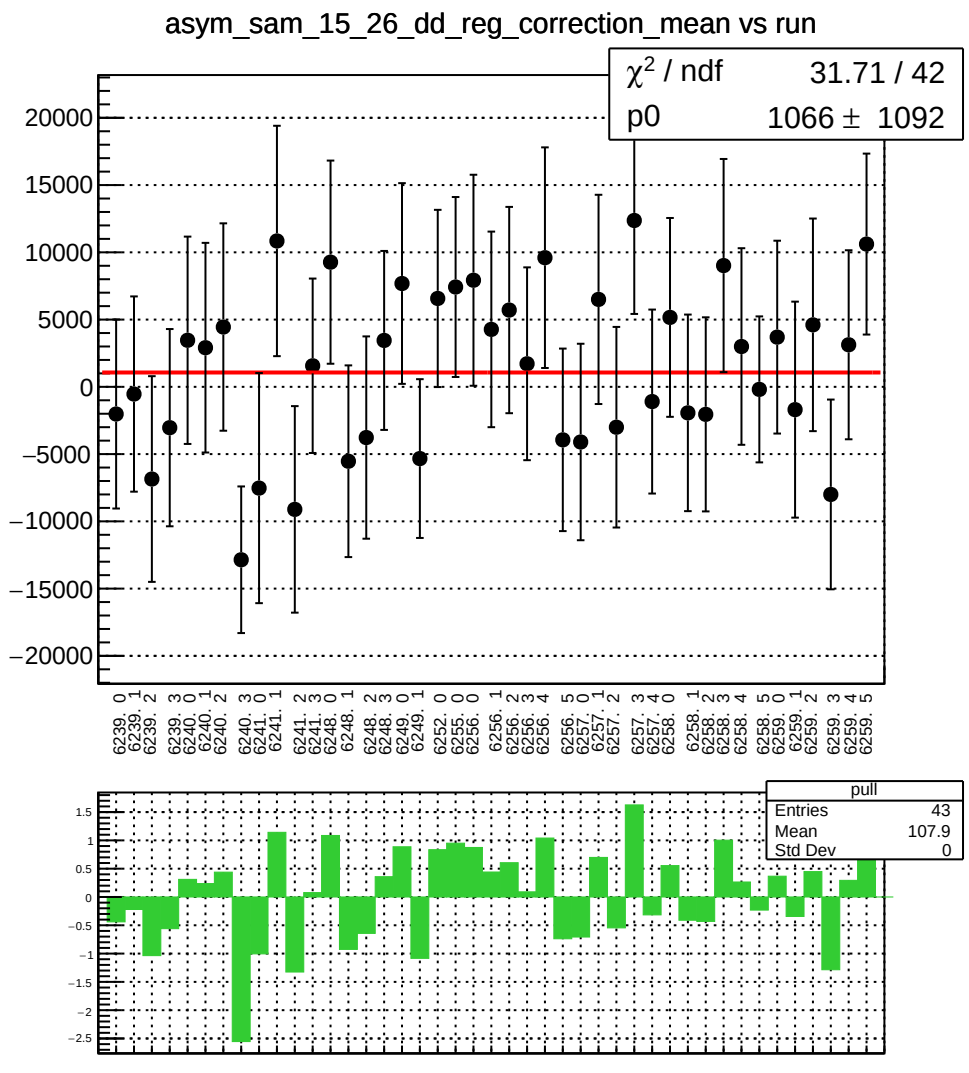

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.35 / 42
p0 1.028e−14 ± 2.649e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 23.64
Std Dev 12.84
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1112
Std Dev 0.9126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

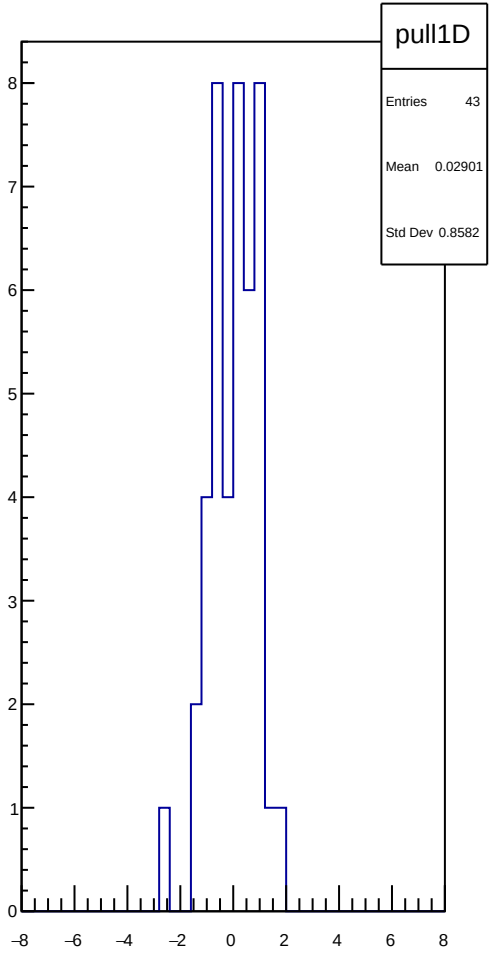

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.688e+05 / 42
p0 1.568e−11 ± 1.873e−14
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

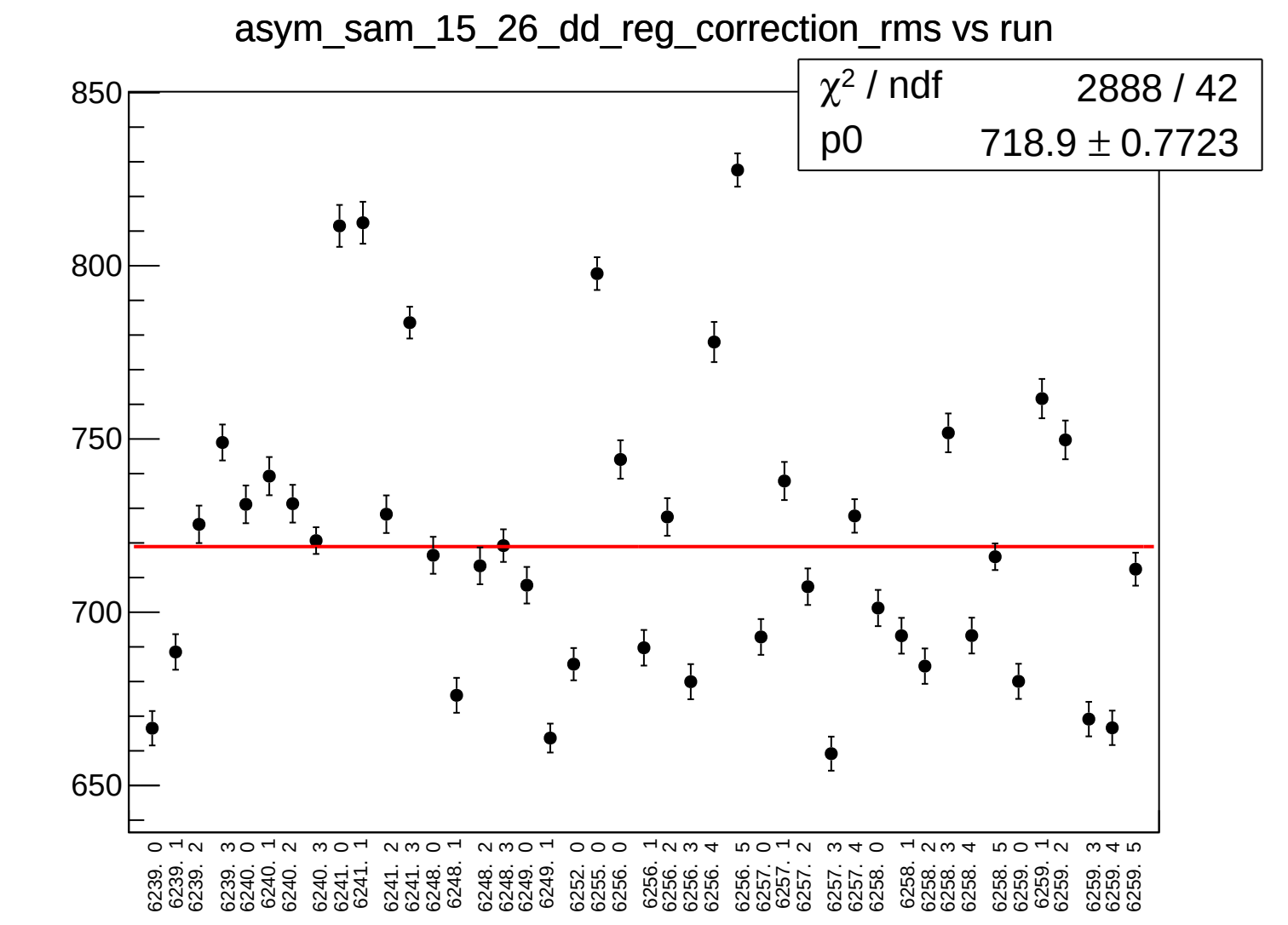

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 52.19 / 42
p0 −266.2 ± 105.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −291.4
Std Dev 0
2
1
0
−1
−2
−3

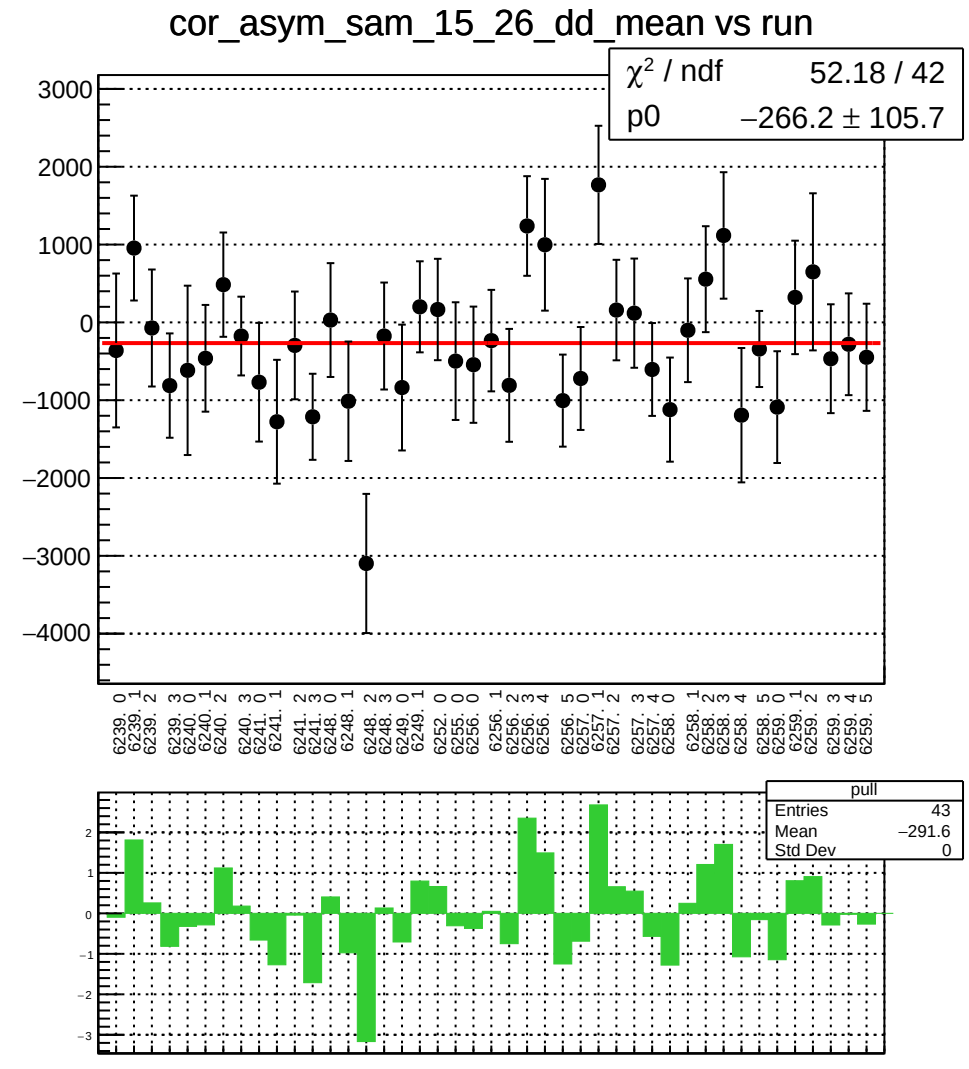

pull1D
Entries 43
Mean −0.004598
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

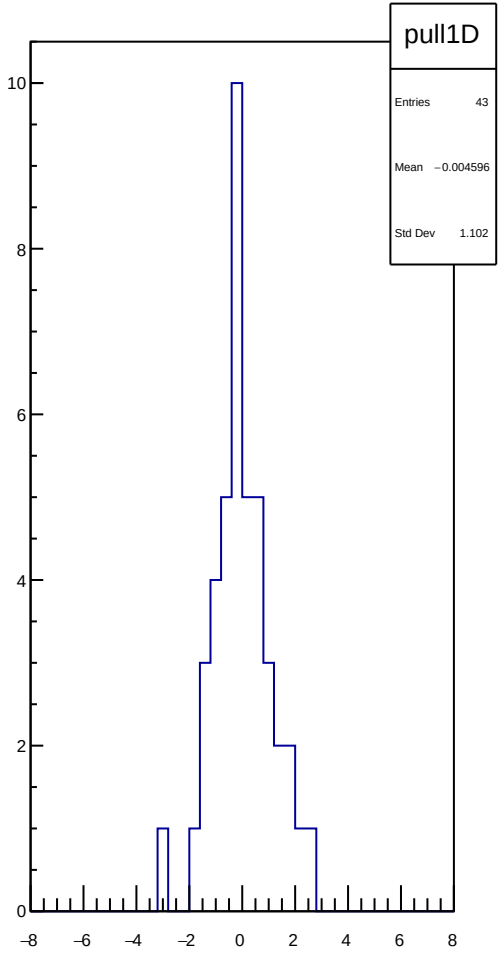

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.106e+04 / 42
p0 69.27 ± 0.07477
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

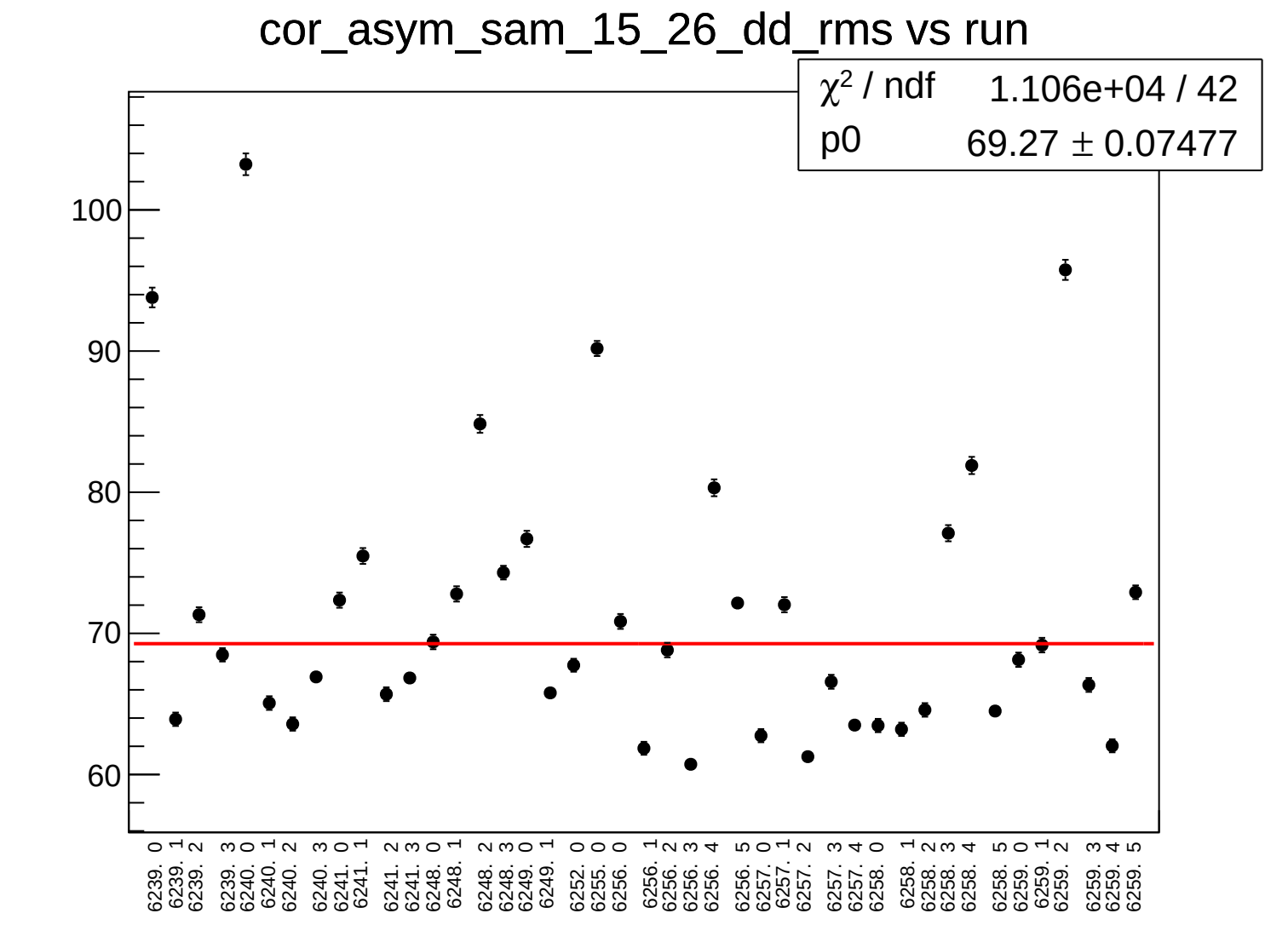

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 31.71 / 42
p0 1066 ± 1092
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

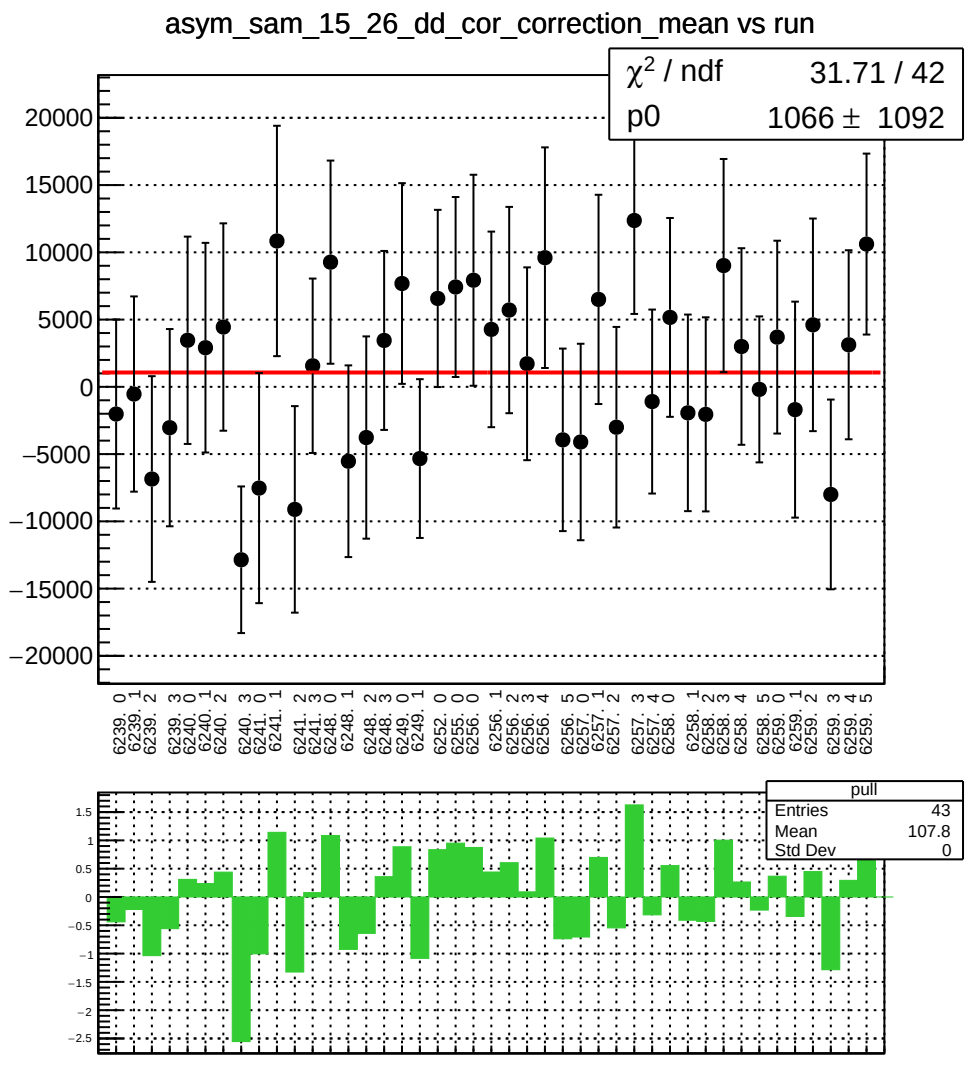

pull1D
Entries 43
Mean 0.02901
Std Dev 0.8582
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

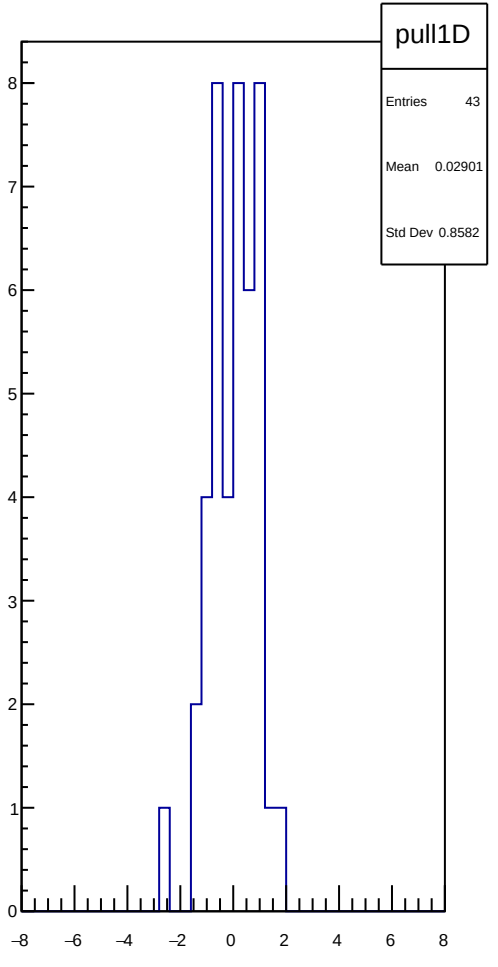

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2888 / 42
p0 718.9 ± 0.7723
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

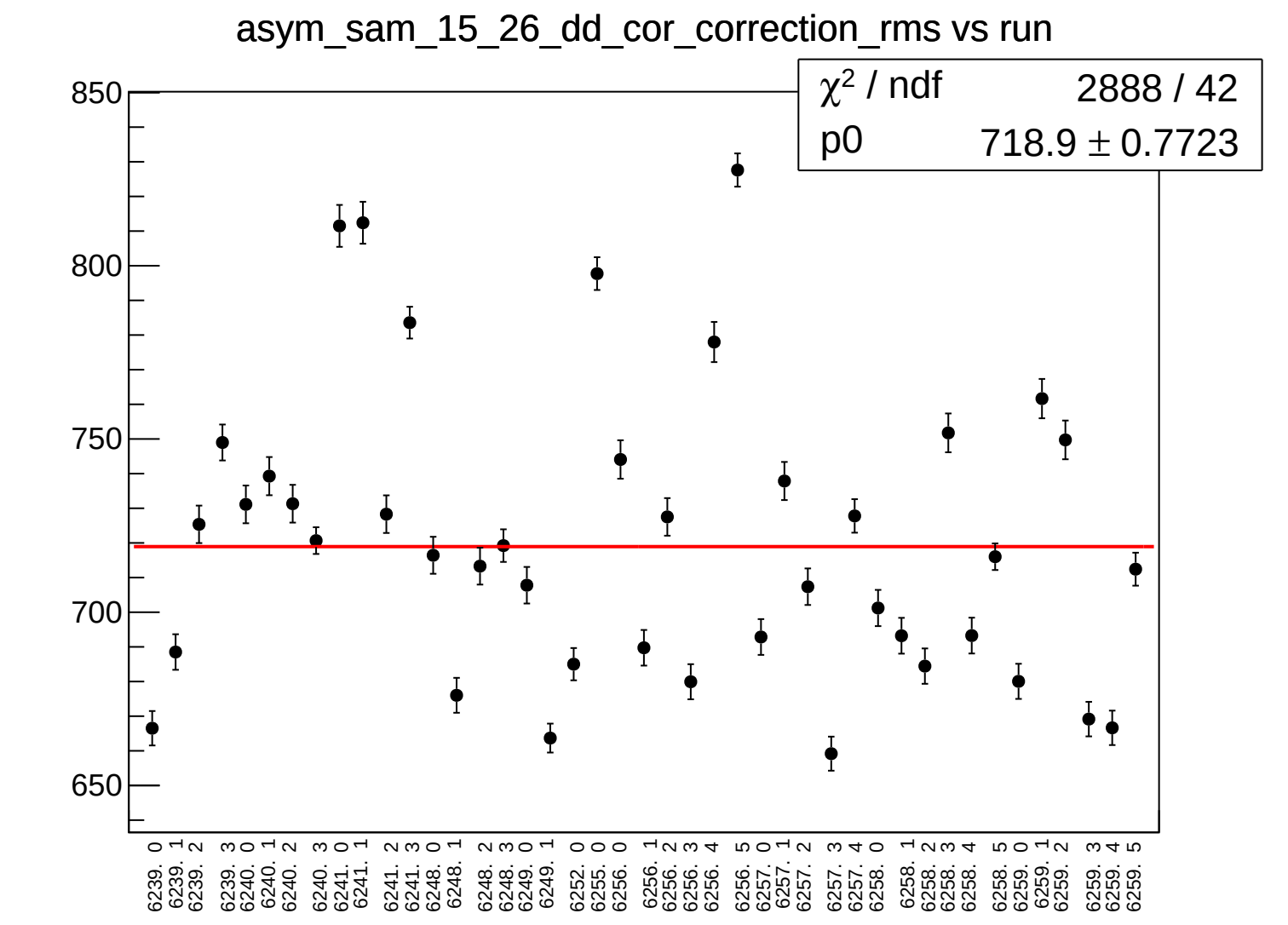

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 52.18 / 42
p0 −266.2 ± 105.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −291.6
Std Dev 0
2
1
0
−1
−2
−3

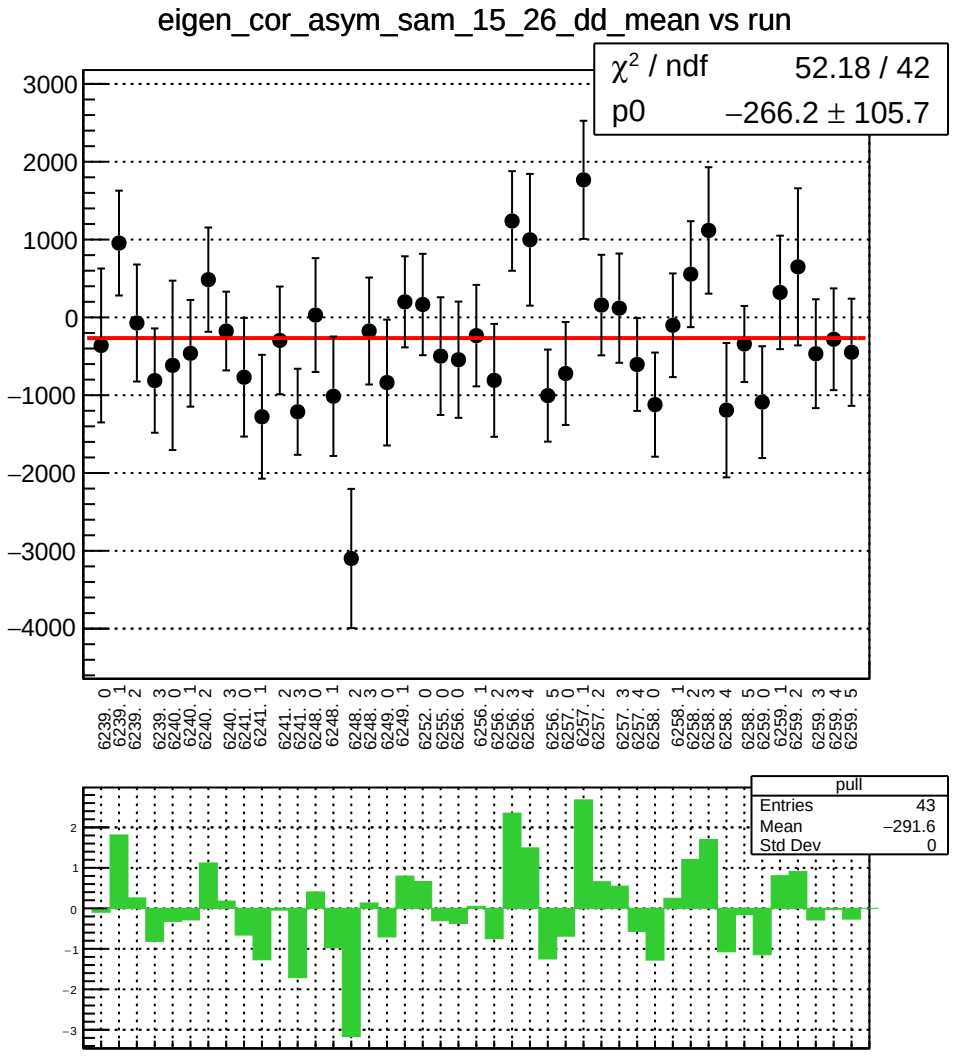

pull1D
Entries 43
Mean −0.004596
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

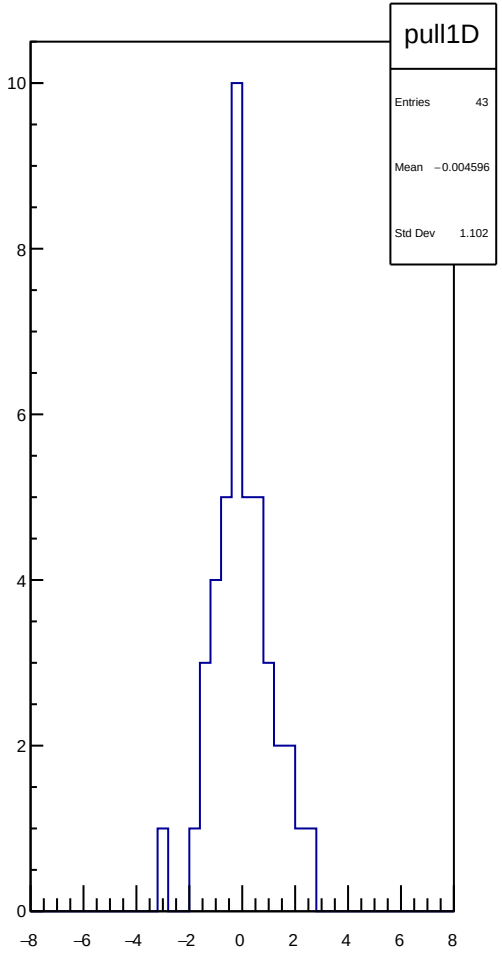

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.106e+04 / 42
p0 69.27 ± 0.07477
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

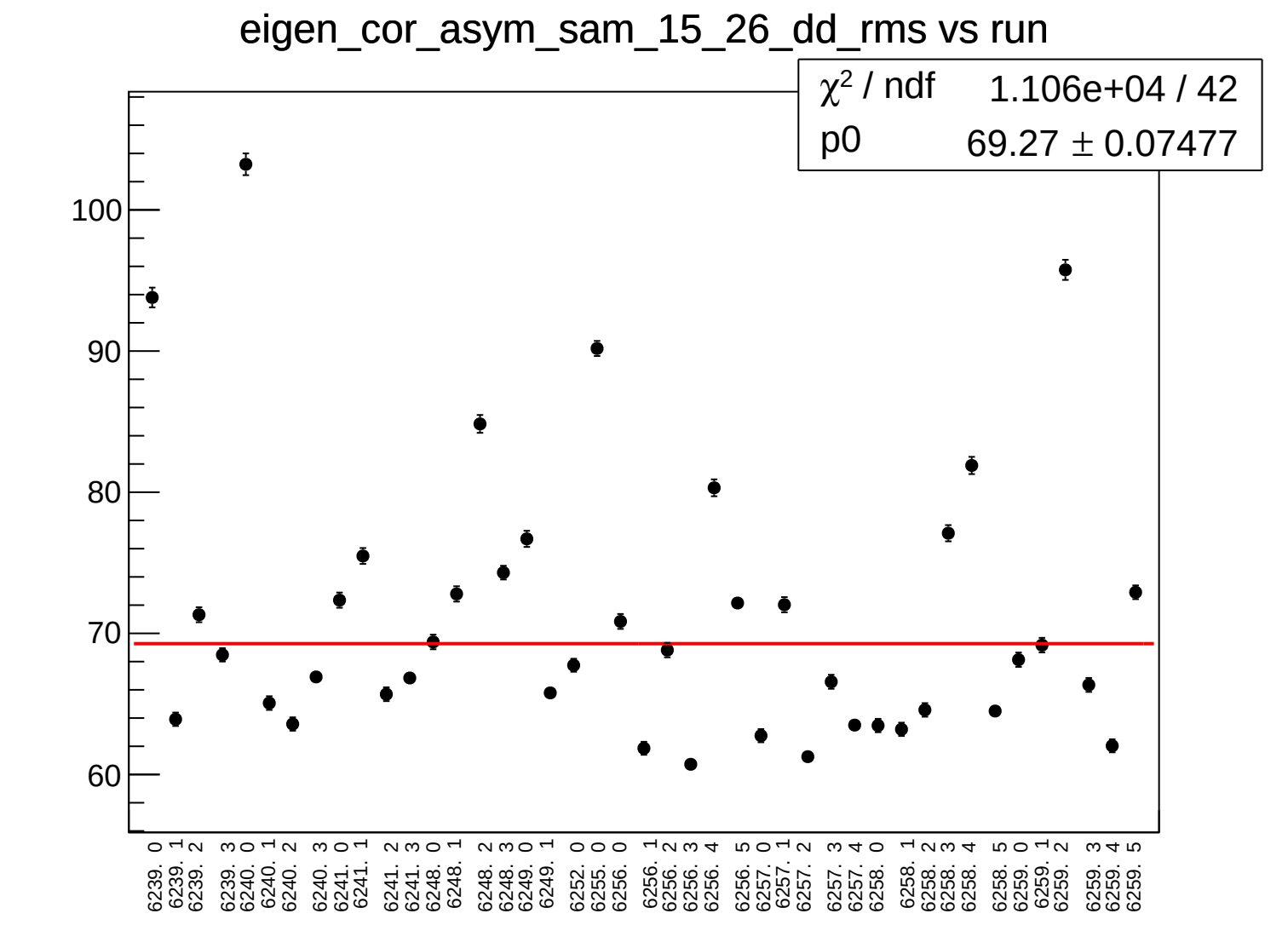

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 31.71 / 42
p0 1066 ± 1092
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

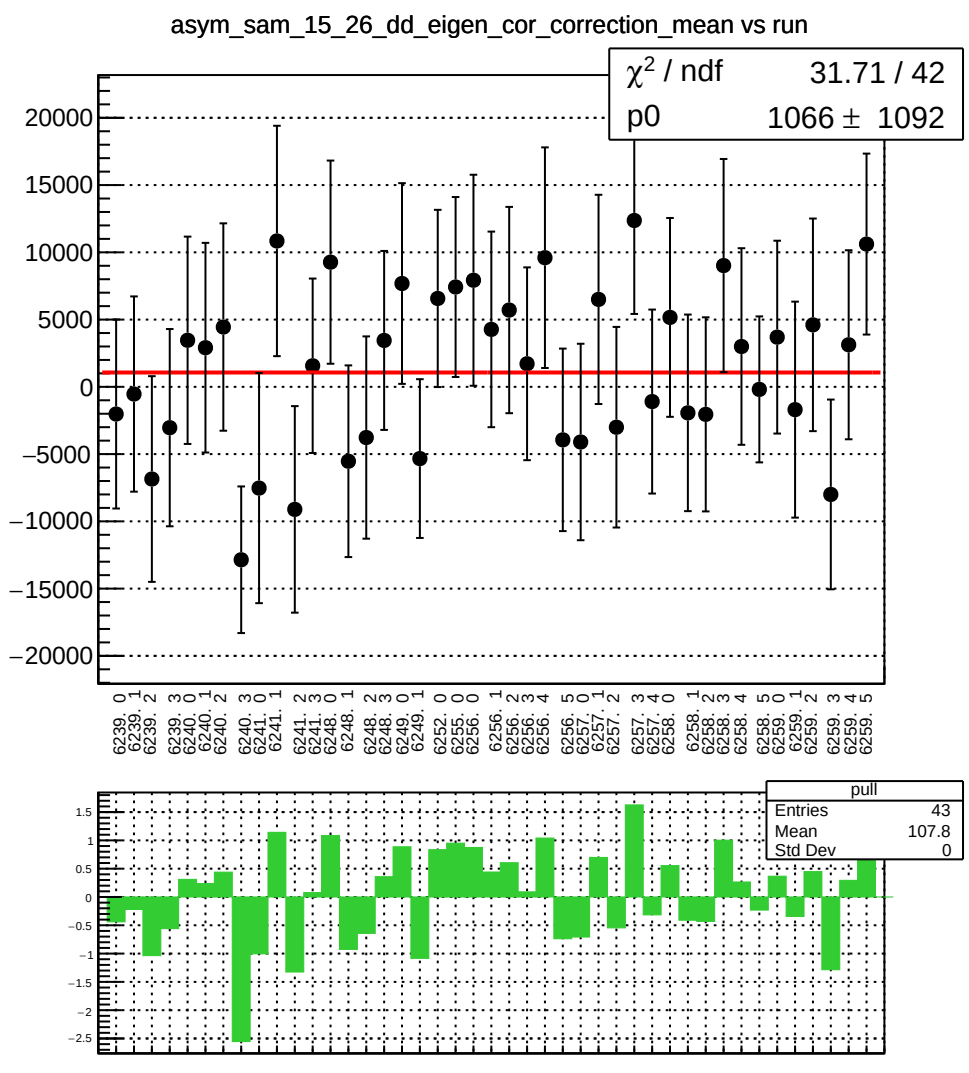

pull1D
Entries 43
Mean 0.02901
Std Dev 0.8582
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

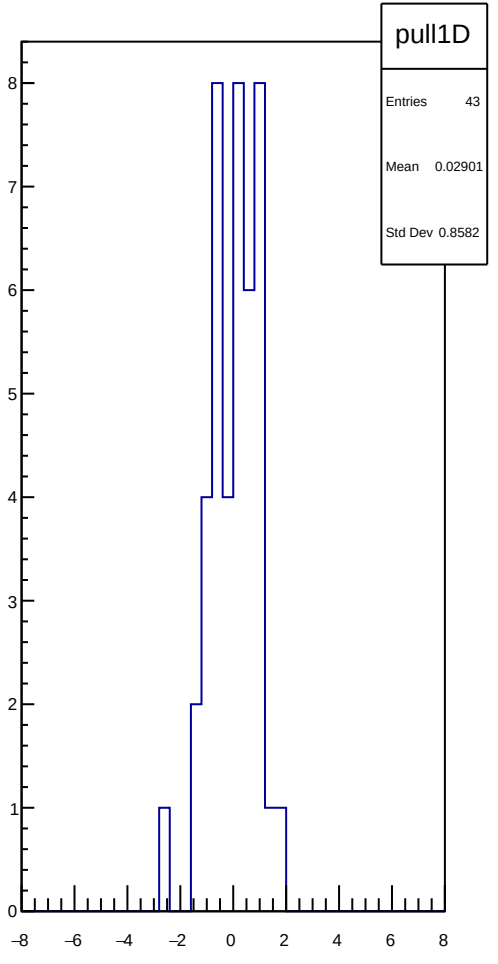

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2888 / 42
p0 718.9 ± 0.7723
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

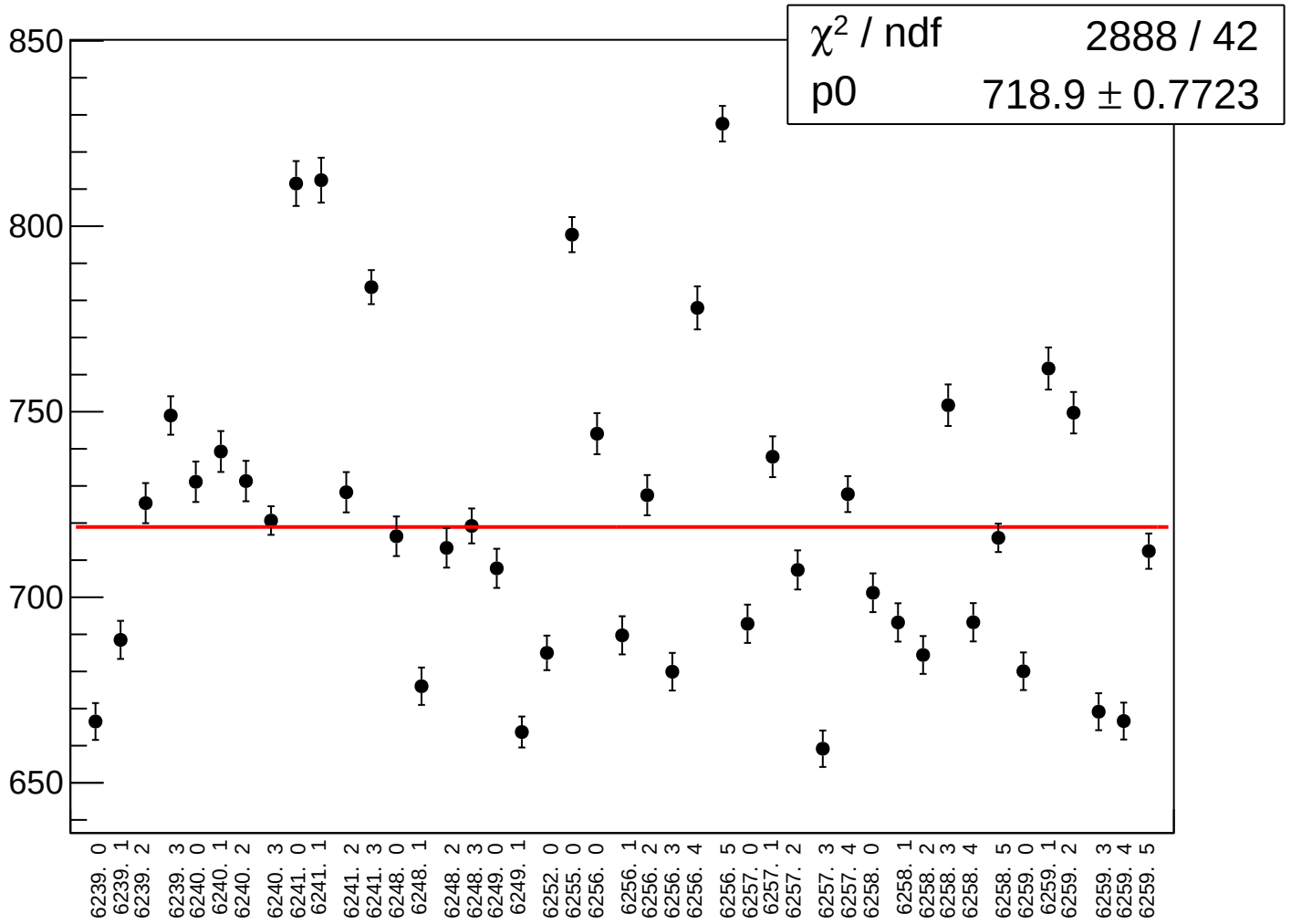

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 52.18 / 42
p0 −266.2 ± 105.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −291.6
Std Dev 0
2
1
0
−1
−2
−3

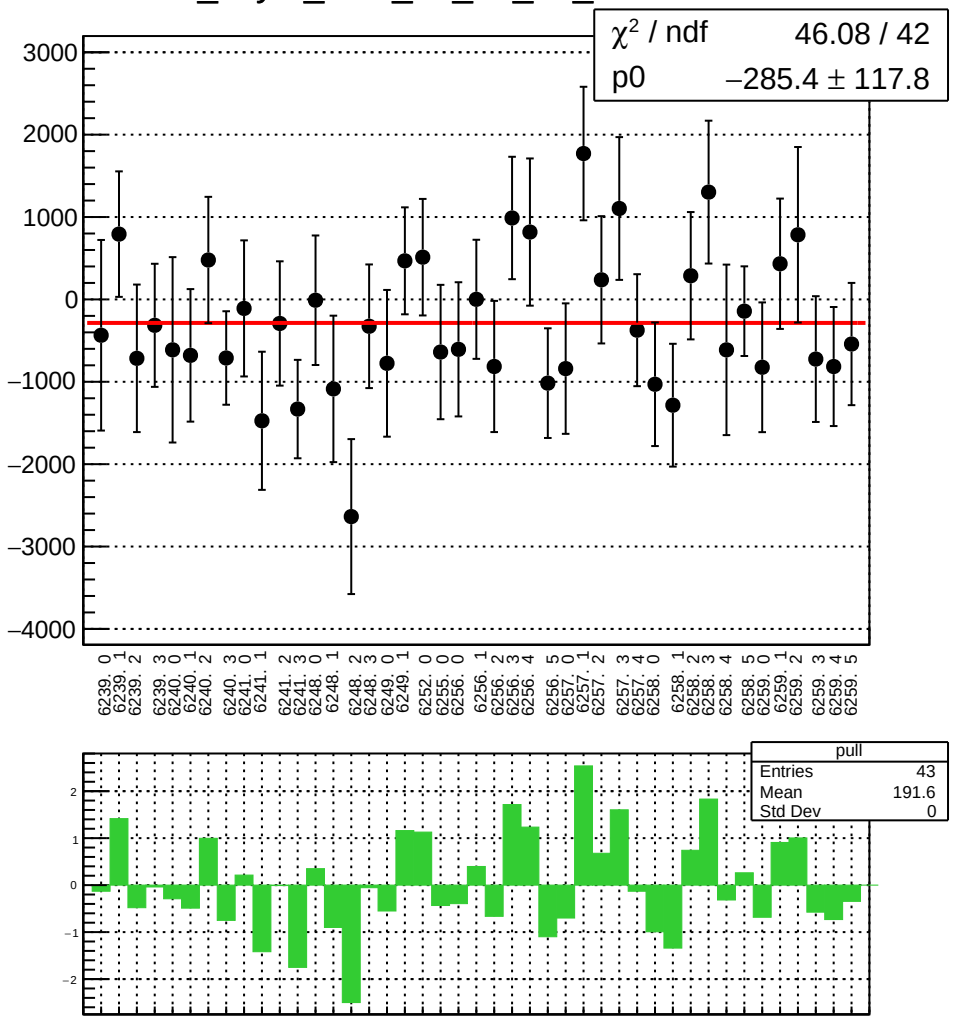

pull1D
Entries 43
Mean −0.004596
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

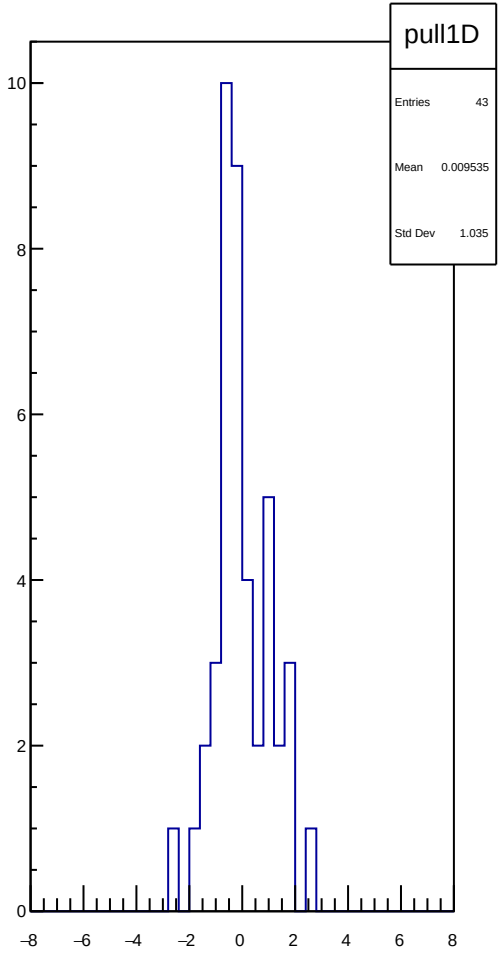

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.106e+04 / 42
p0 69.27 ± 0.07477
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

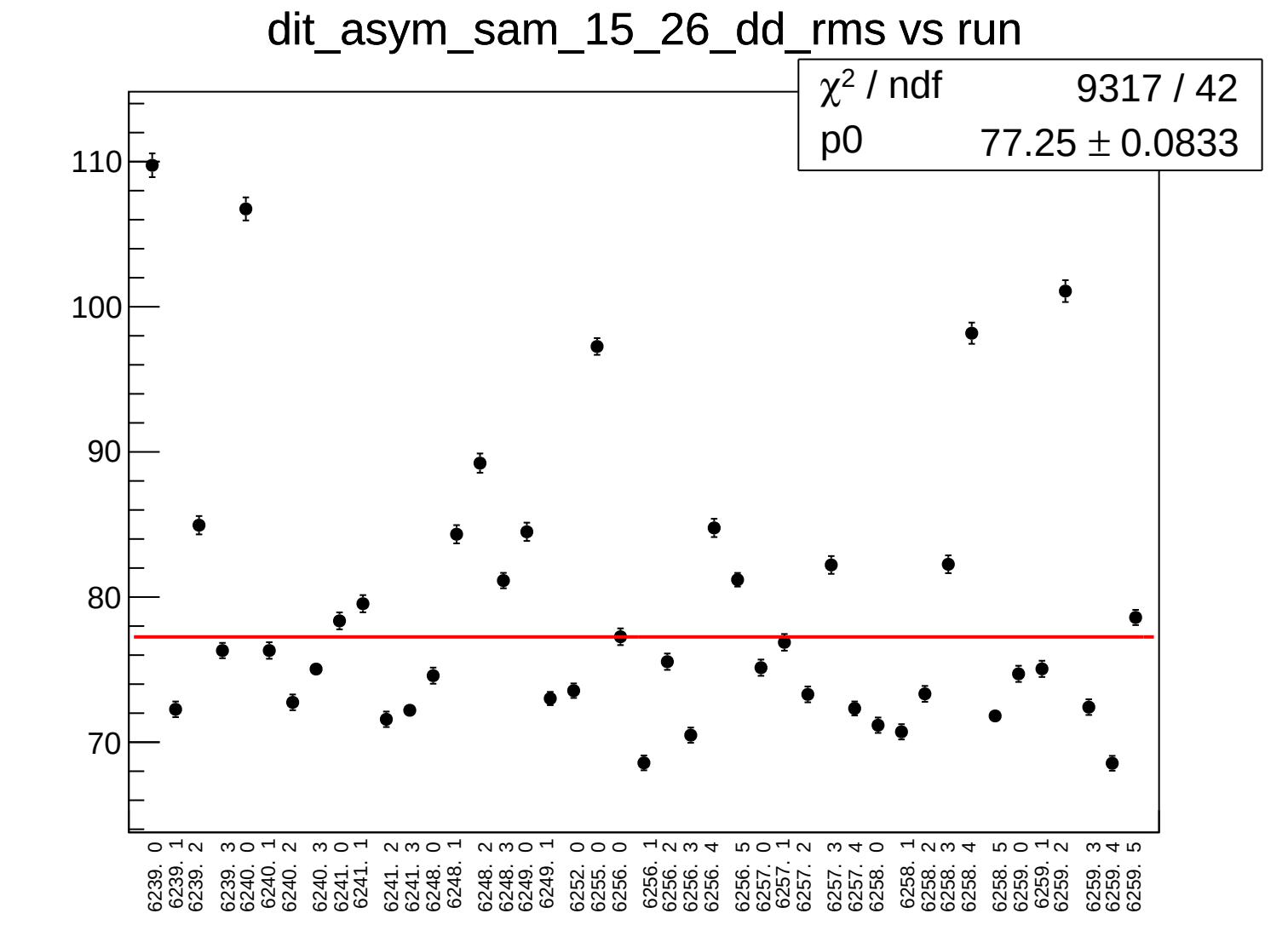

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.71 / 42
p0 1066 ± 1092
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

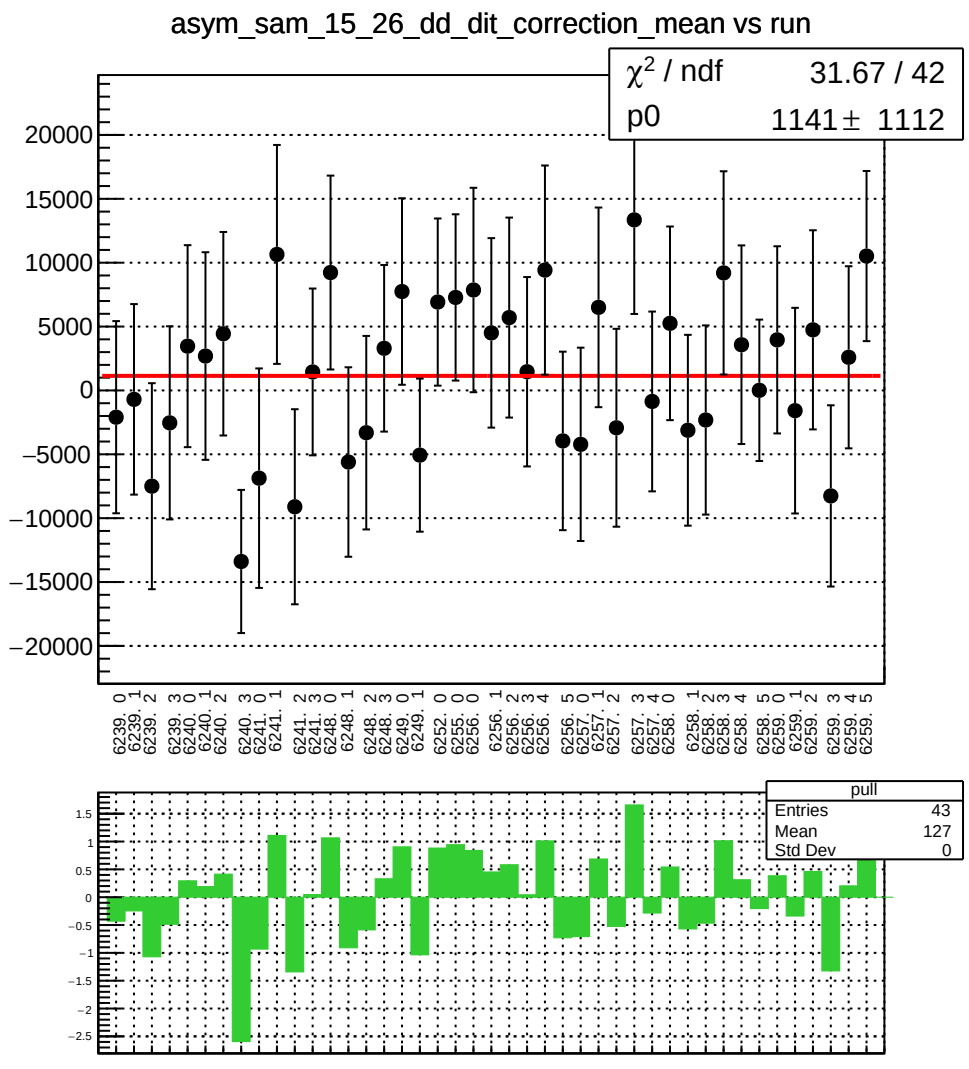

pull1D
Entries 43
Mean 0.02901
Std Dev 0.8582
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

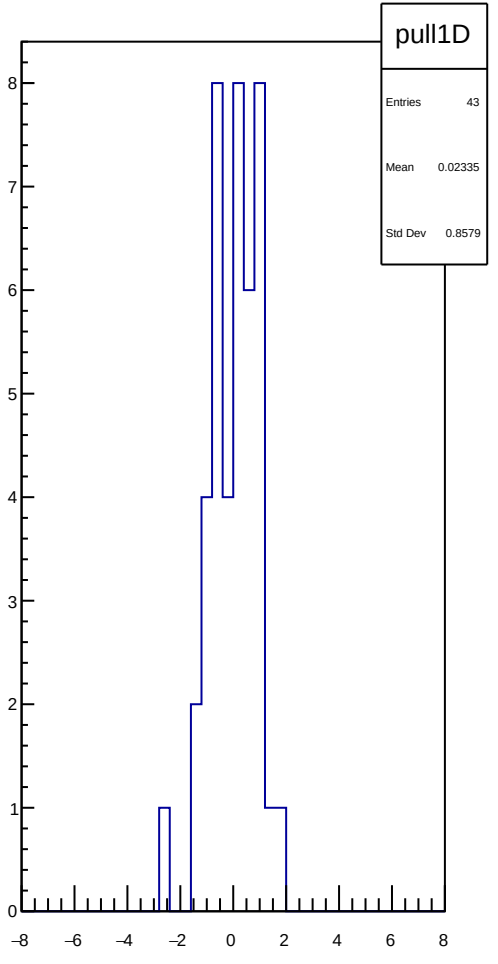

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2888 / 42
p0 718.9 ± 0.7723
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

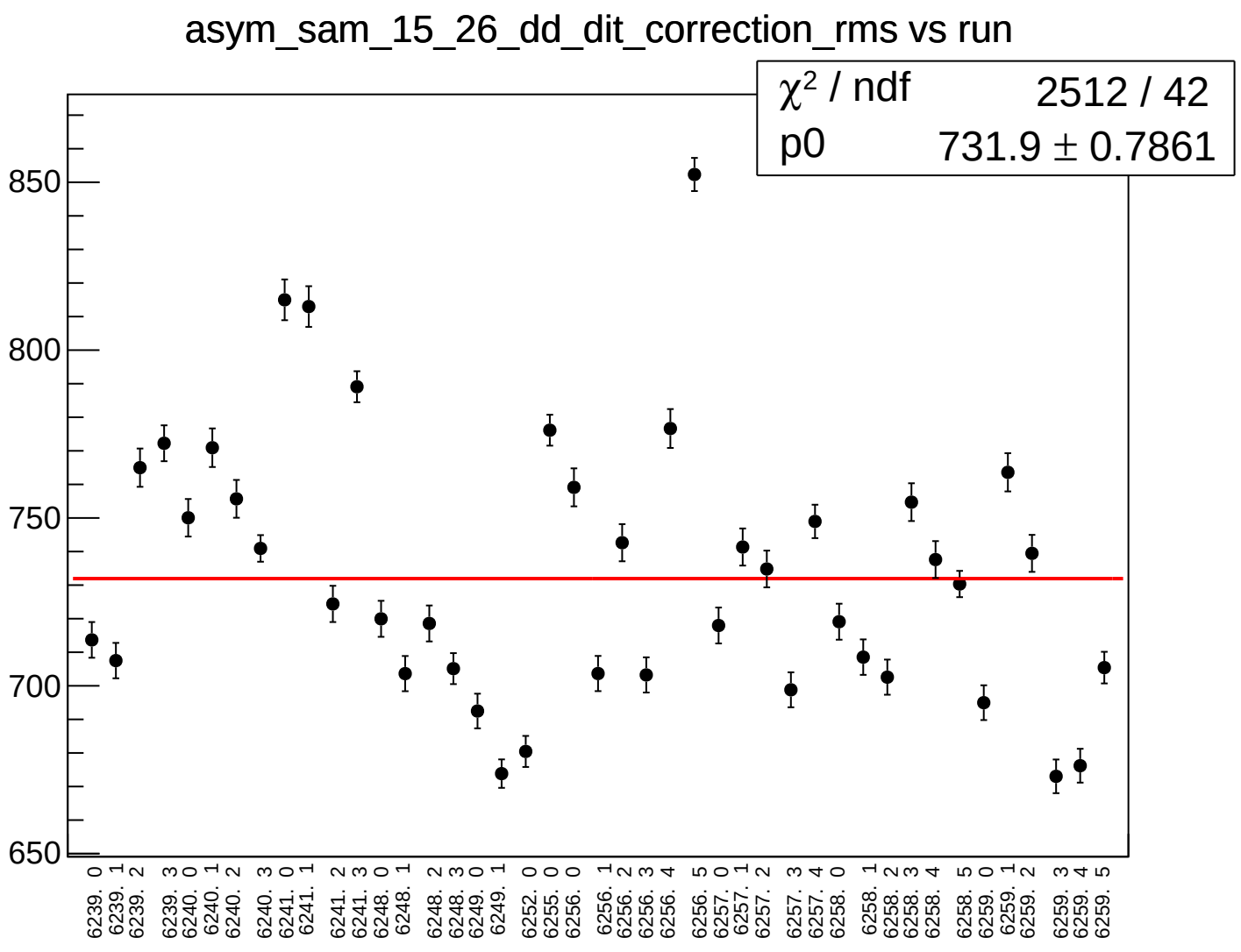

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 46.08 / 42
p0 −285.4 ± 117.8
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 191.6
Std Dev 0
2
1
0
−1
−2

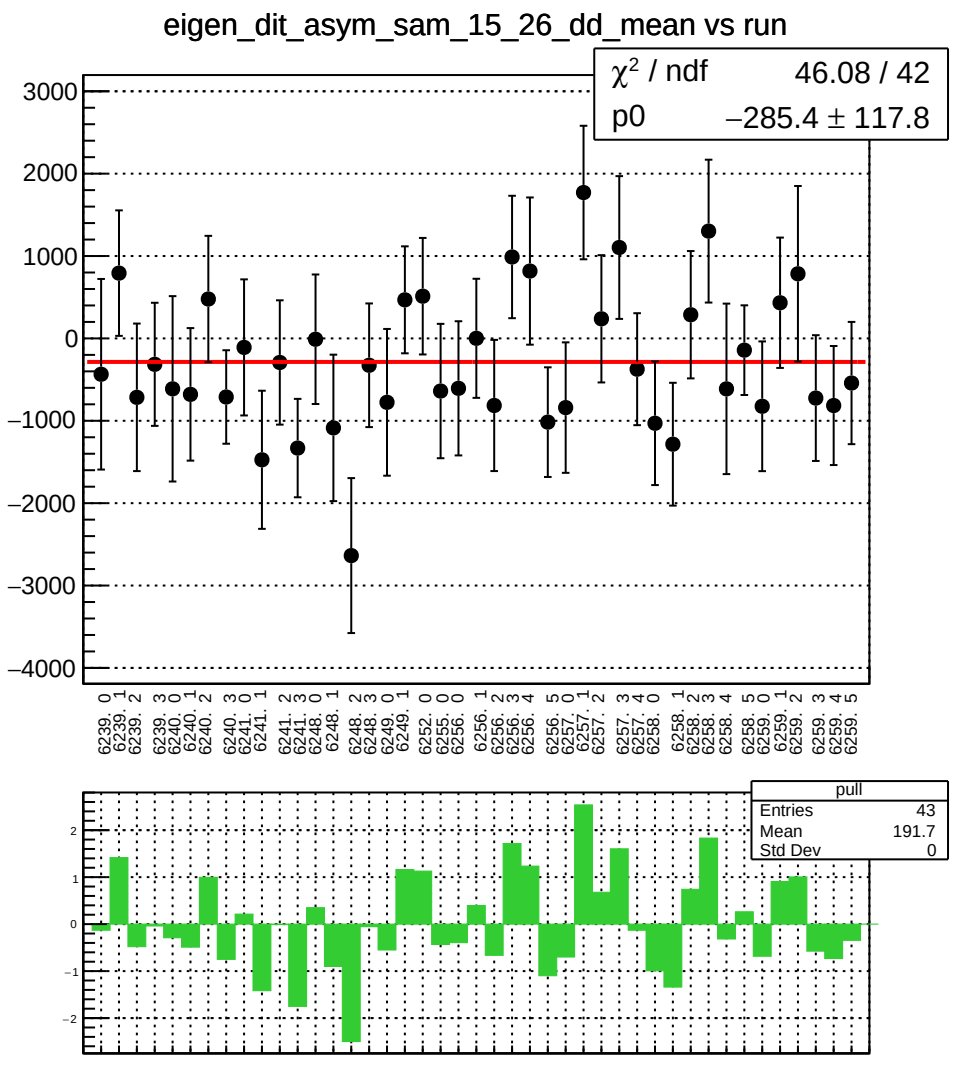

pull1D
Entries 43
Mean 0.009535
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

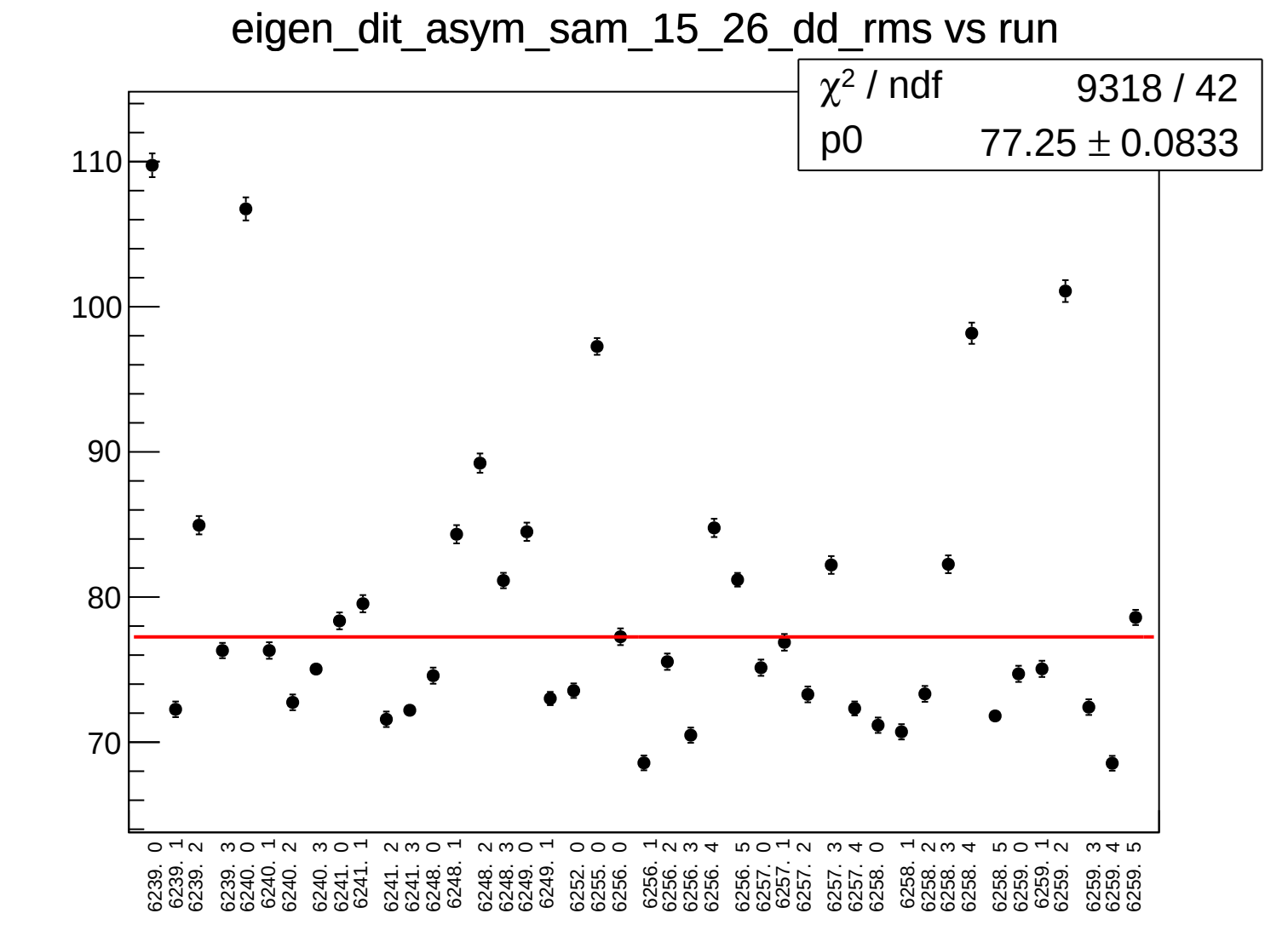

dit_asym_sam_15_26_dd_rms vs run
$\chi^2$ / ndf 9317 / 42
p0 77.25 ± 0.0833
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

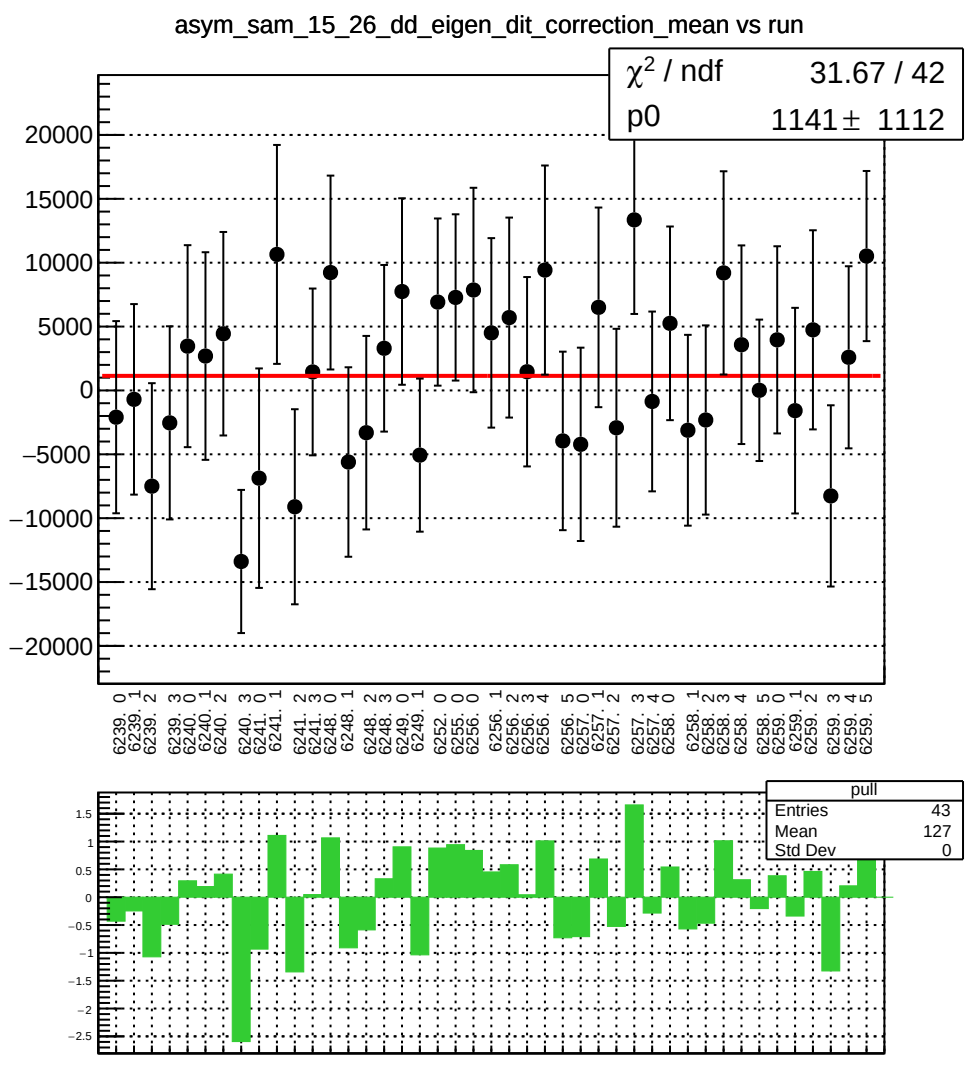

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 31.67 / 42
p0 1141 ± 1112
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 127
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

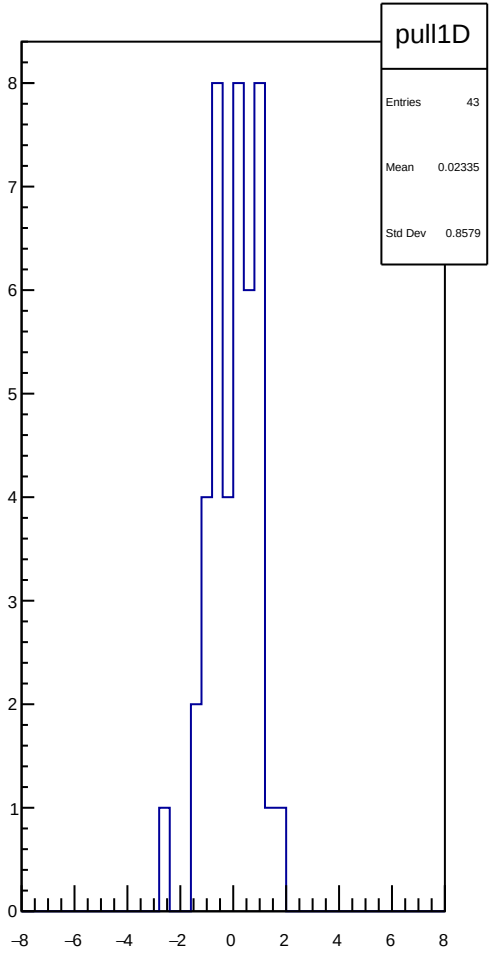

pull1D
Entries 43
Mean 0.02335
Std Dev 0.8579
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

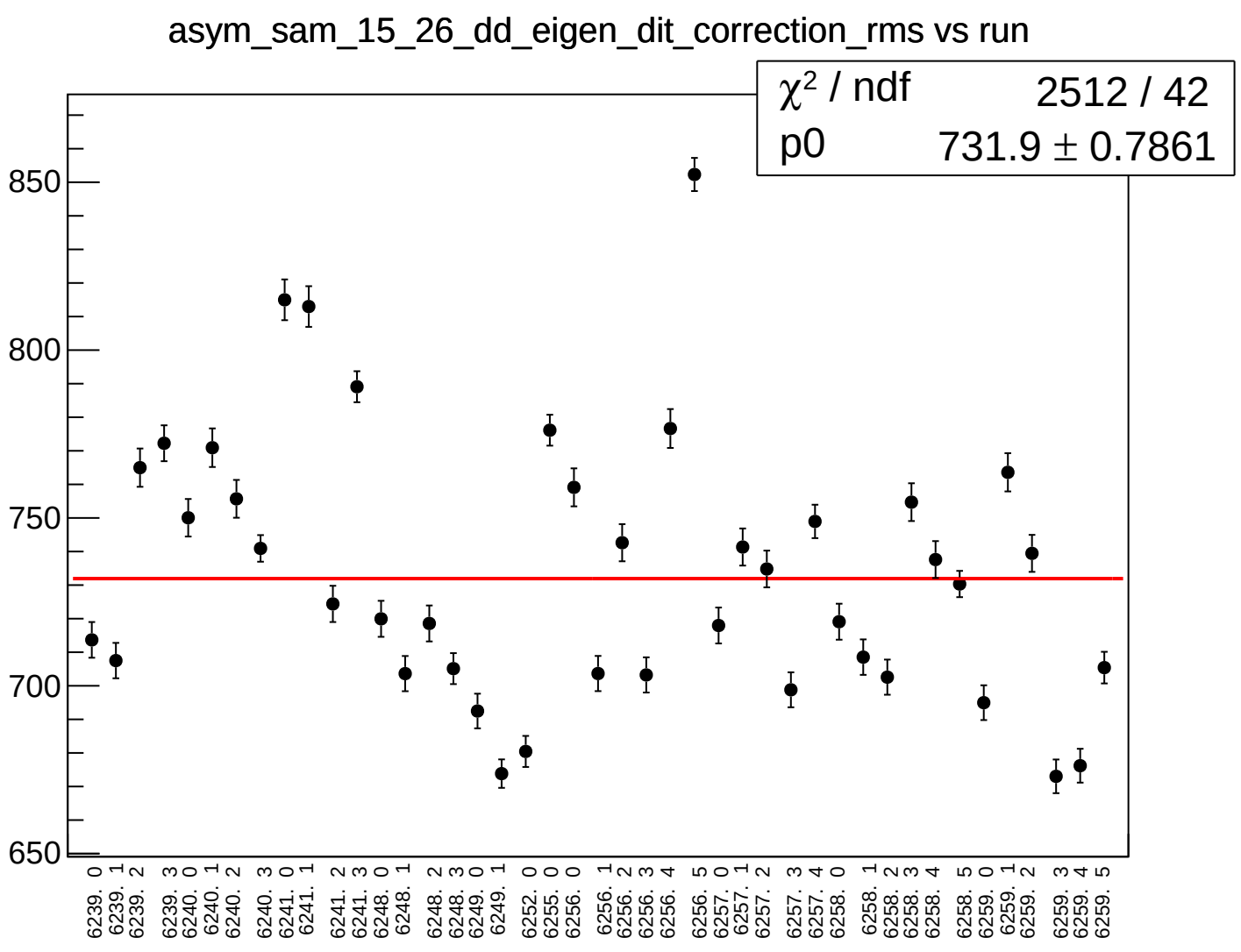

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 2512 / 42
p0 731.9 ± 0.7861
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

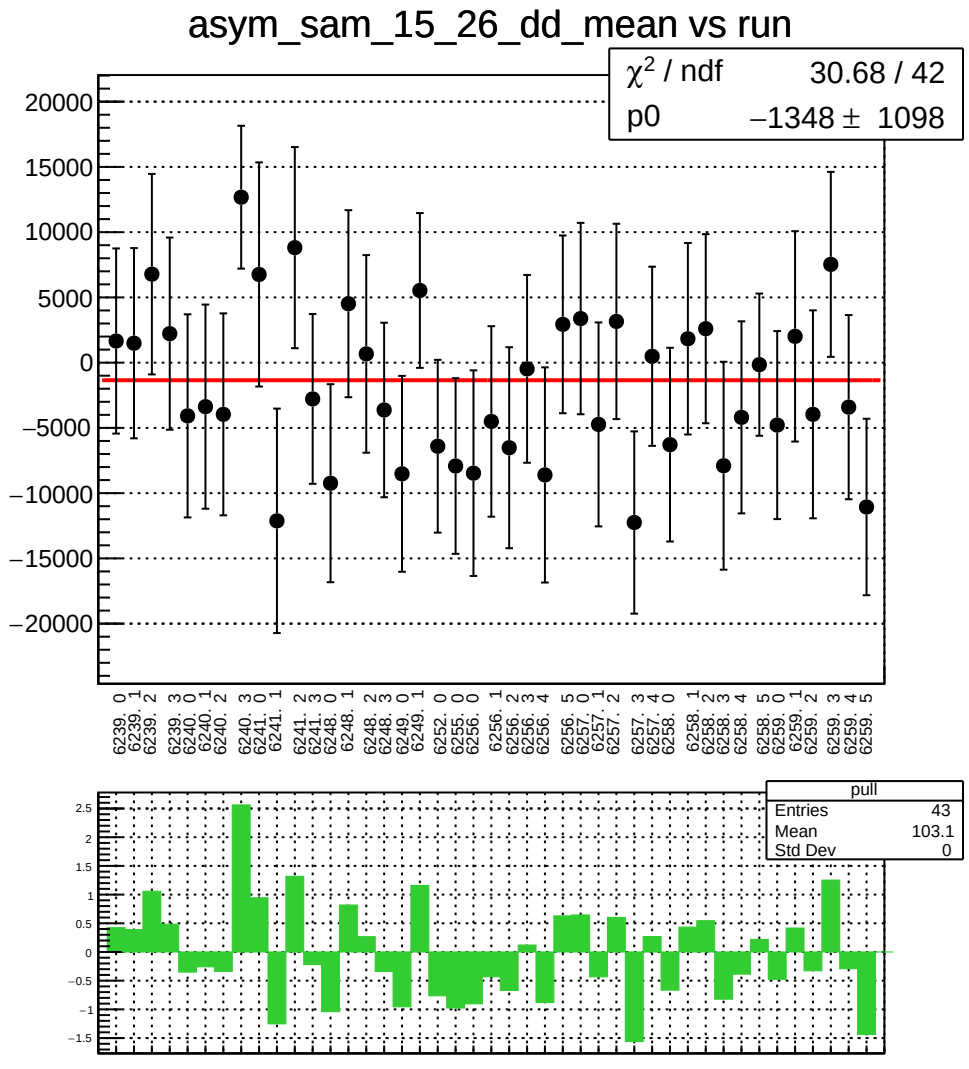

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 46.08 / 42
p0 −285.4 ± 117.8
3000
2000
1000
0
−1000
−2000
−3000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 191.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.009531
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

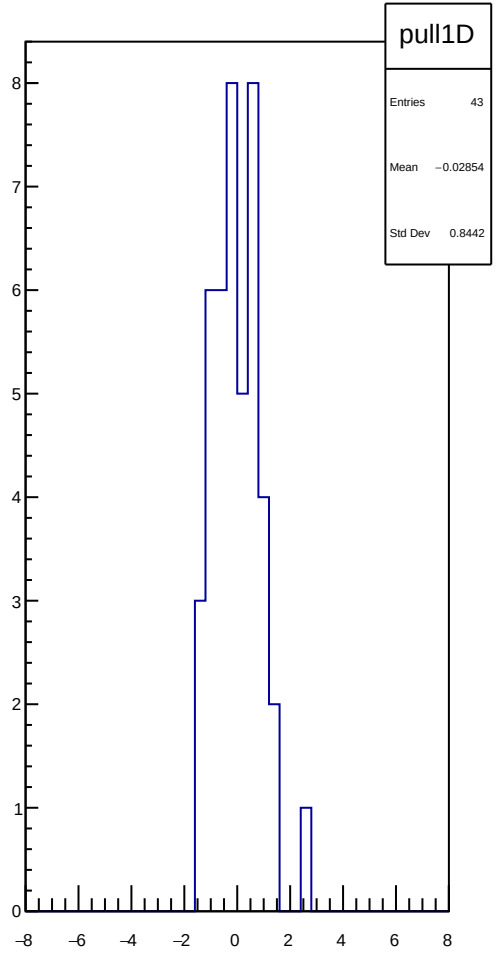

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 9318 / 42
p0 77.25 ± 0.0833
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

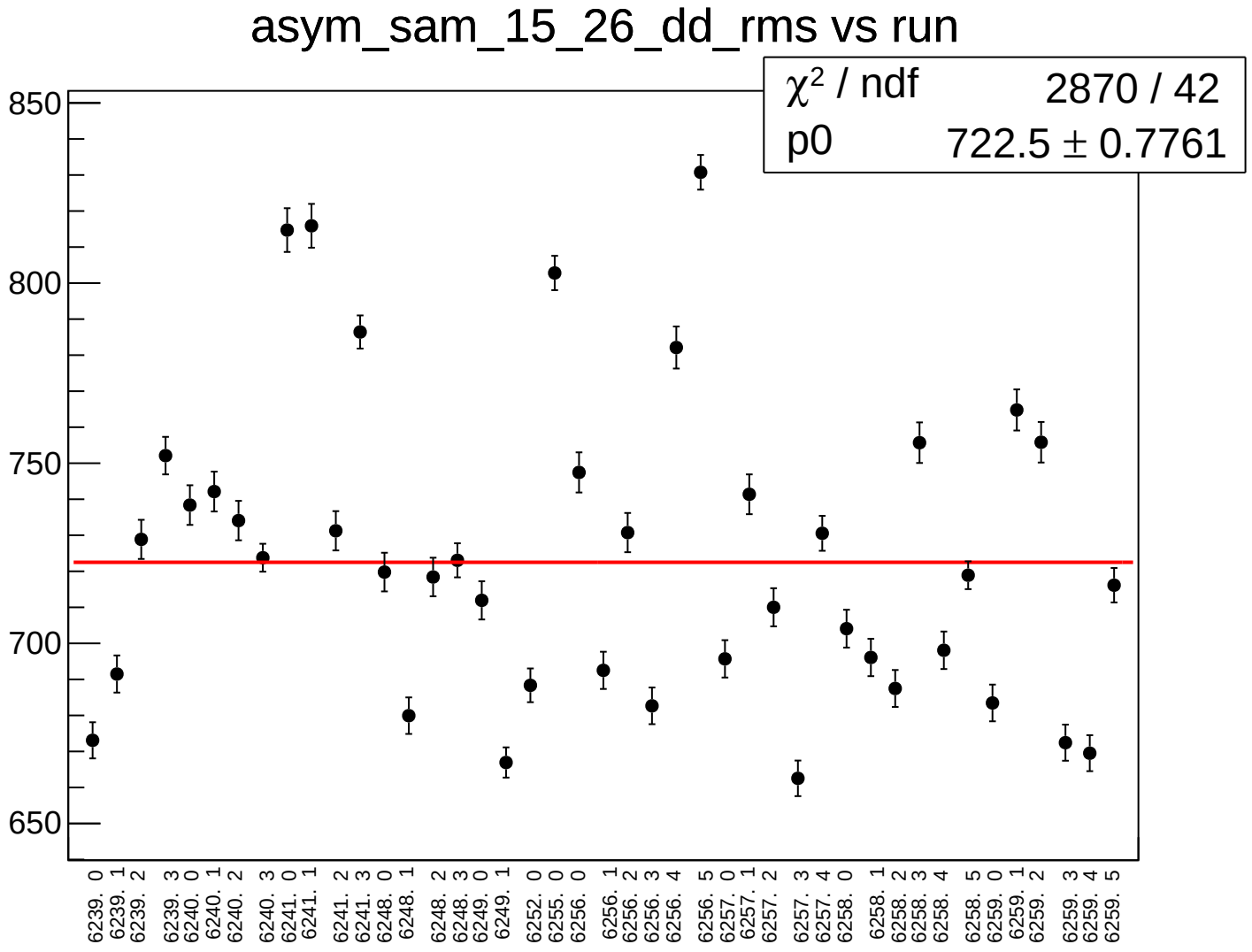

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.67 / 42
p0 1141 ± 1112
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 127
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

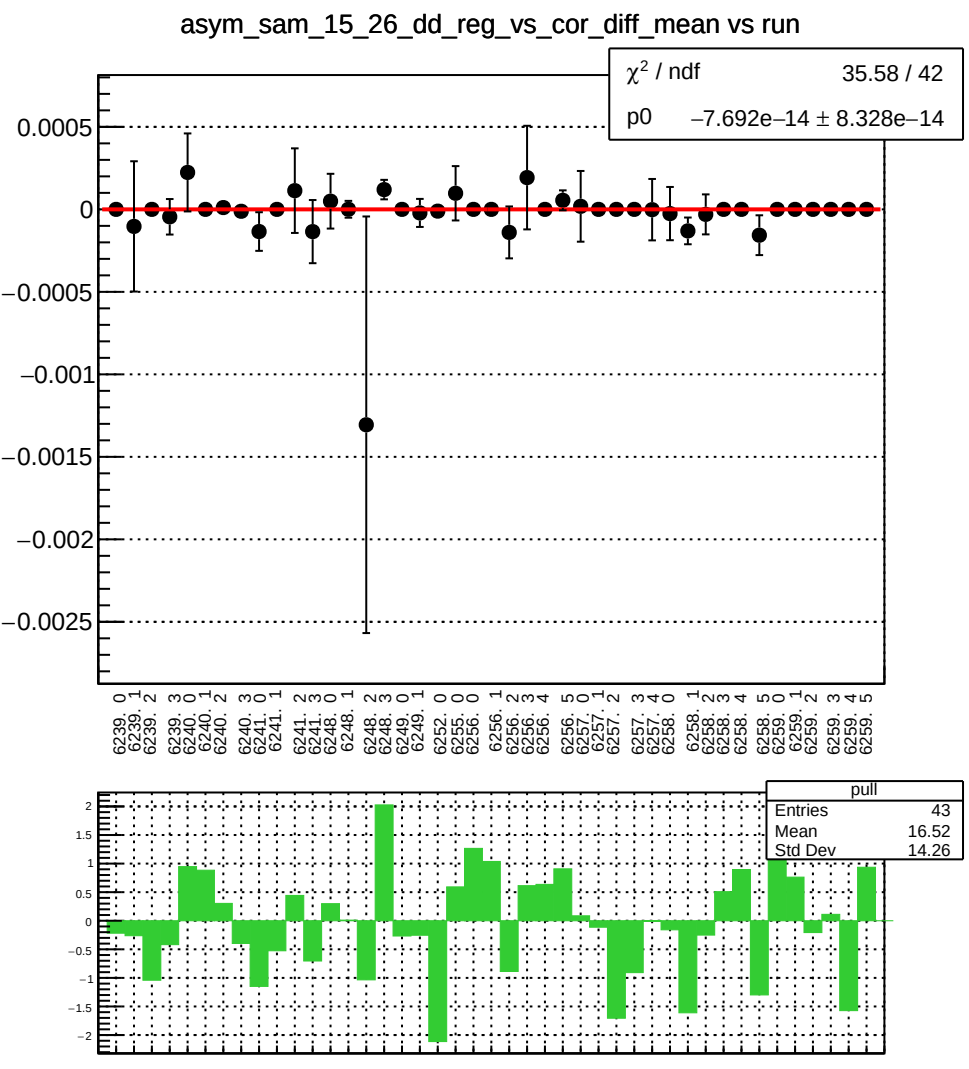

pull1D
Entries 43
Mean 0.02335
Std Dev 0.8579
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

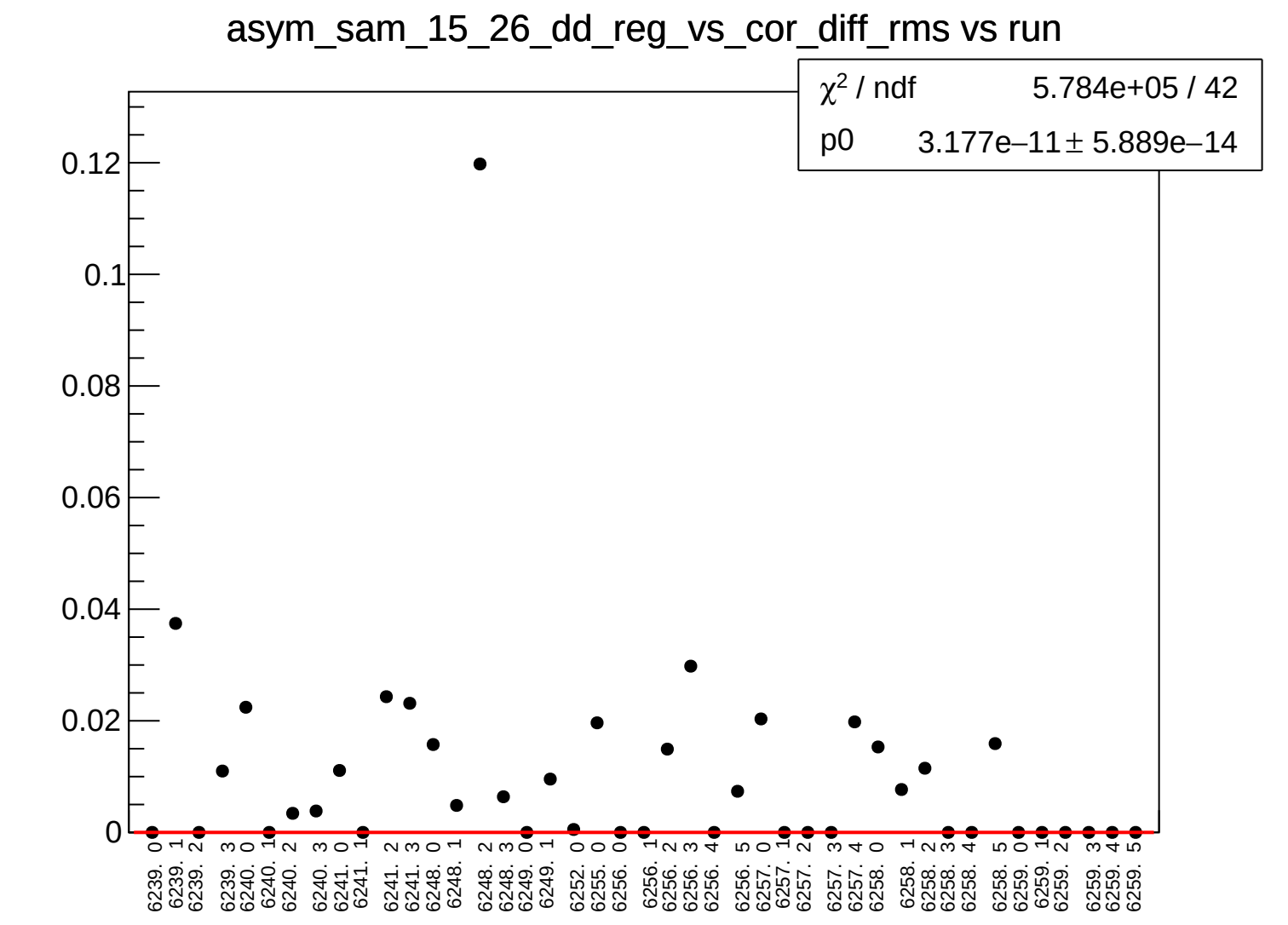

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2512 / 42
p0 731.9 ± 0.7861
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

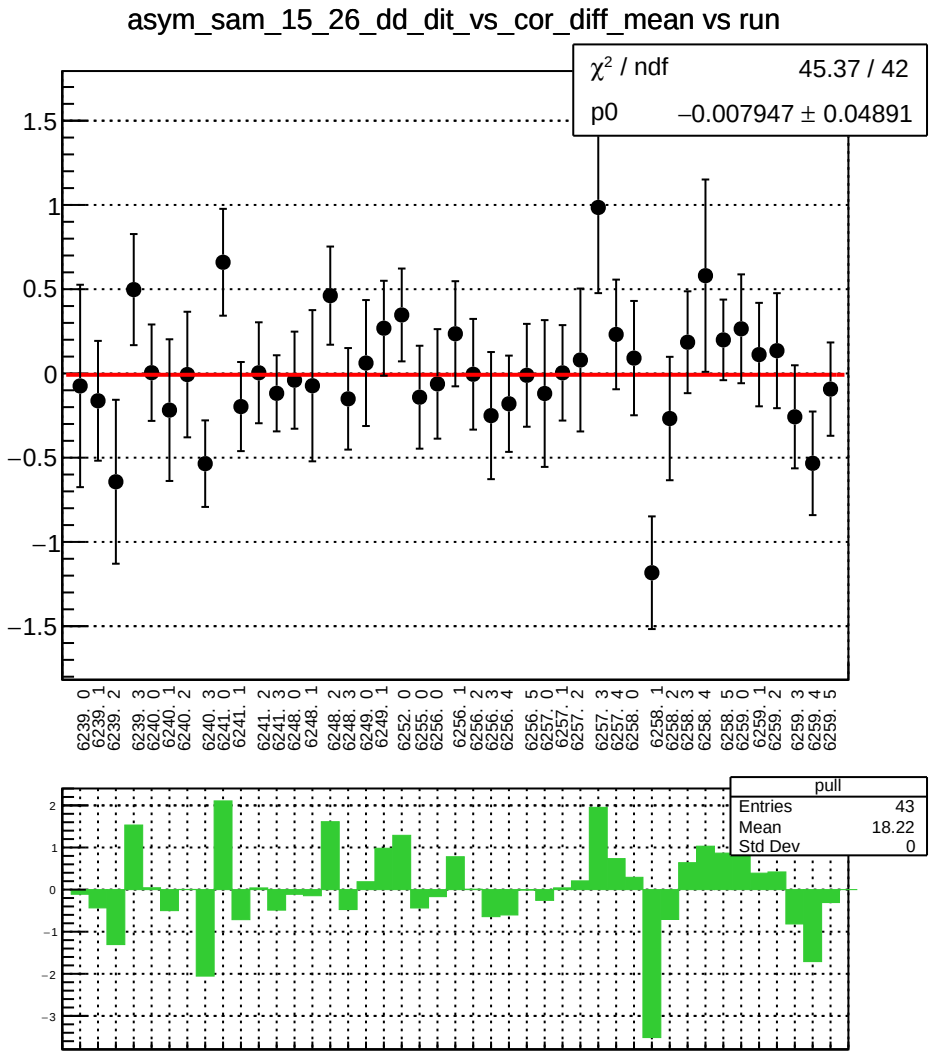

asym_sam_15_26_dd_mean vs run
χ² / ndf 30.68 / 42
p0 −1348 ± 1098
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

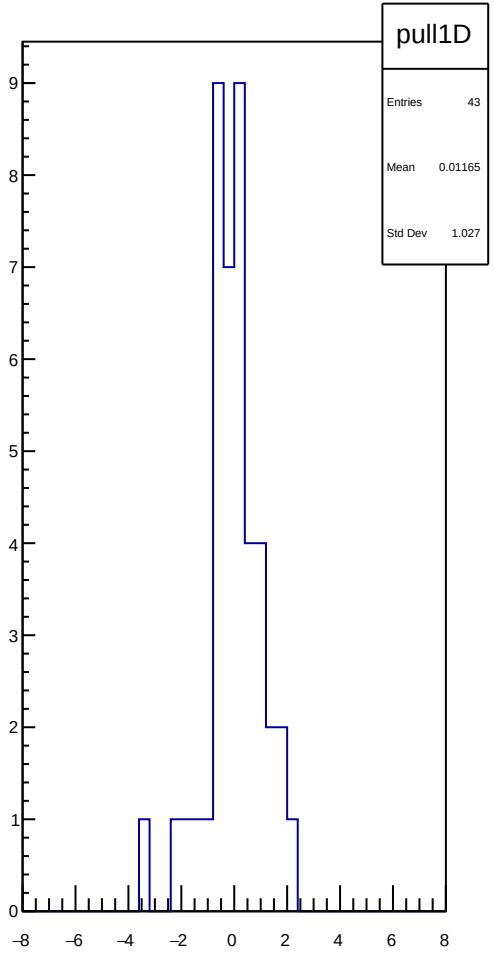

pull1D
Entries 43
Mean −0.02854
Std Dev 0.8442
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

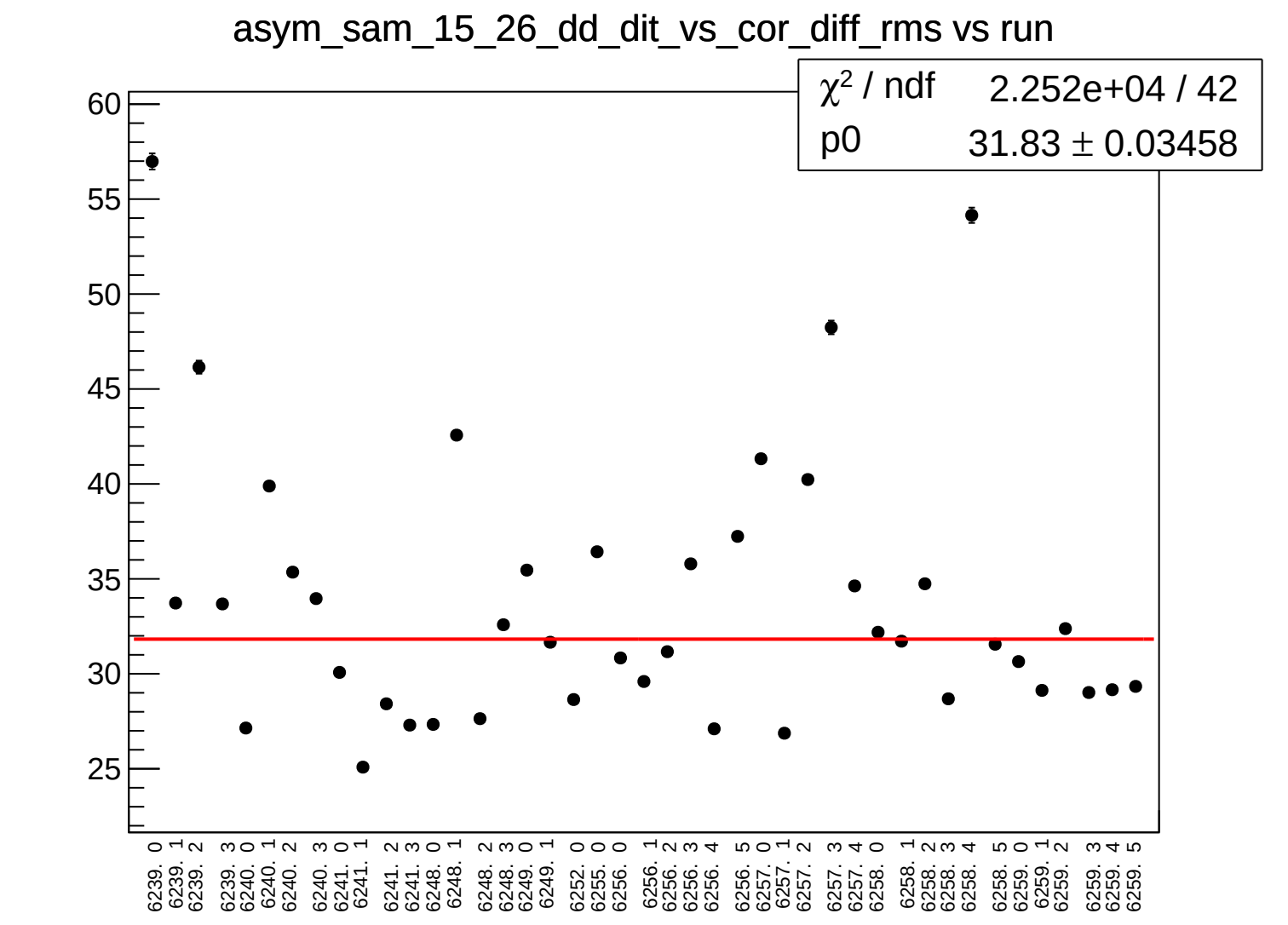

asym_sam_15_26_dd_rms vs run
χ² / ndf 2870 / 42
p0 722.5 ± 0.7761
850
800
750
700
650
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

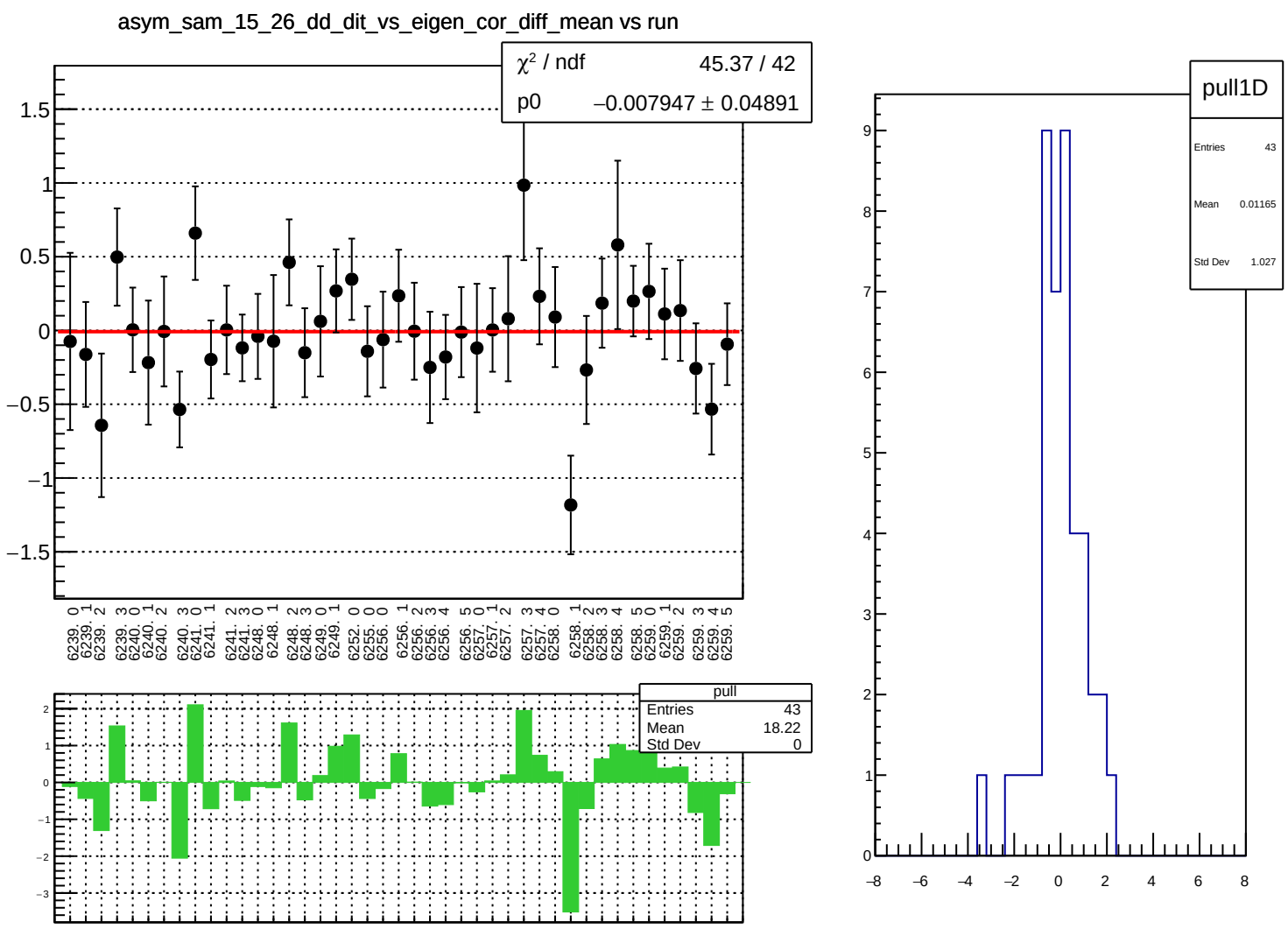

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.58 / 42
p0 −7.692e−14 ± 8.328e−14
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.52
Std Dev 14.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.06036
Std Dev 0.9077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

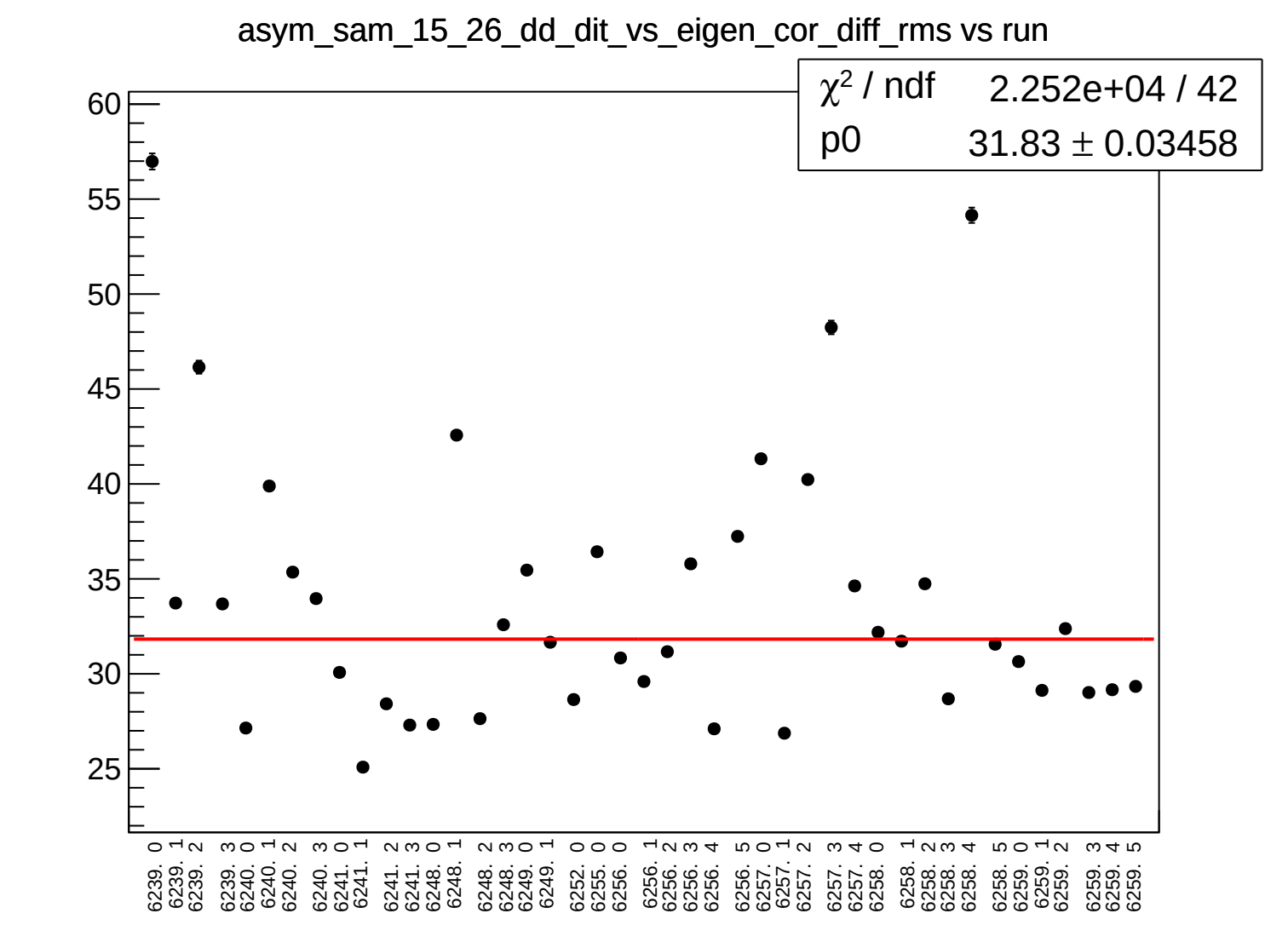

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.784e+05 / 42
p0 3.177e−11 ± 5.889e−14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

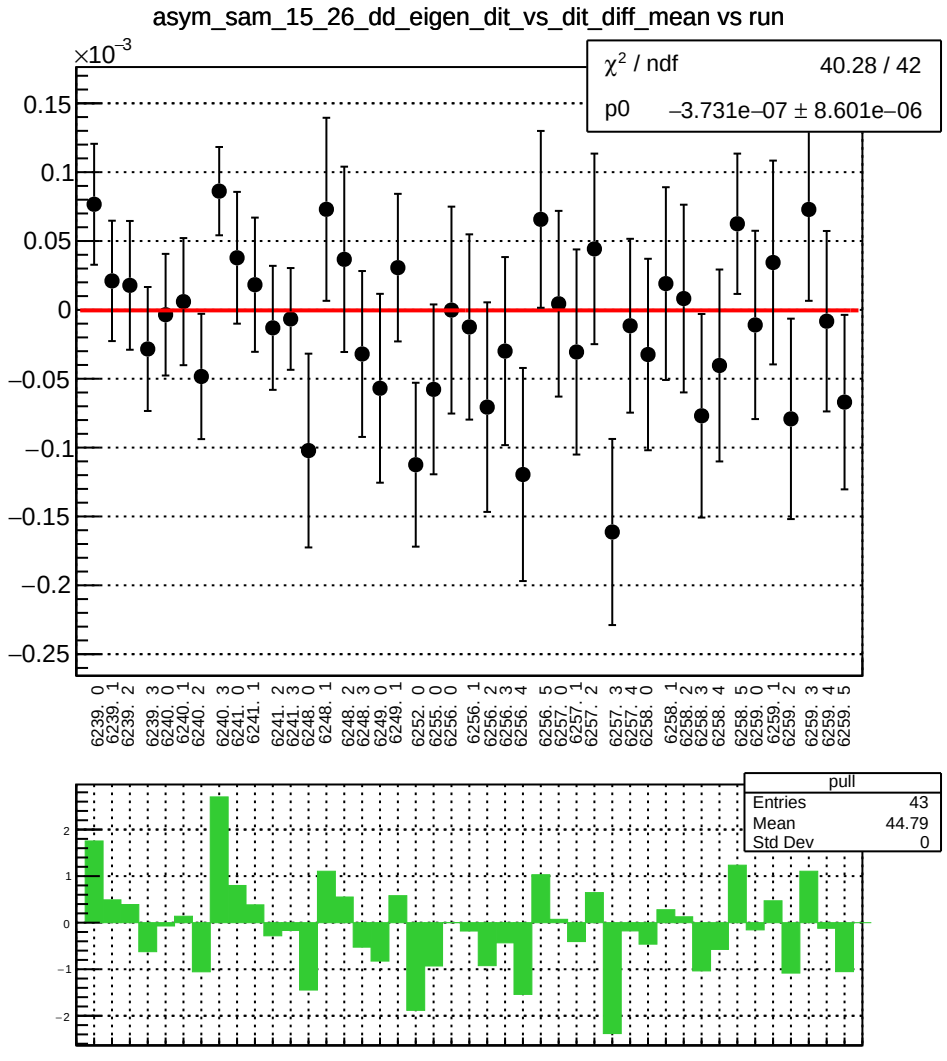

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.37 / 42
p0 −0.007947 ± 0.04891
pull
Entries 43
Mean 18.22
Std Dev 0

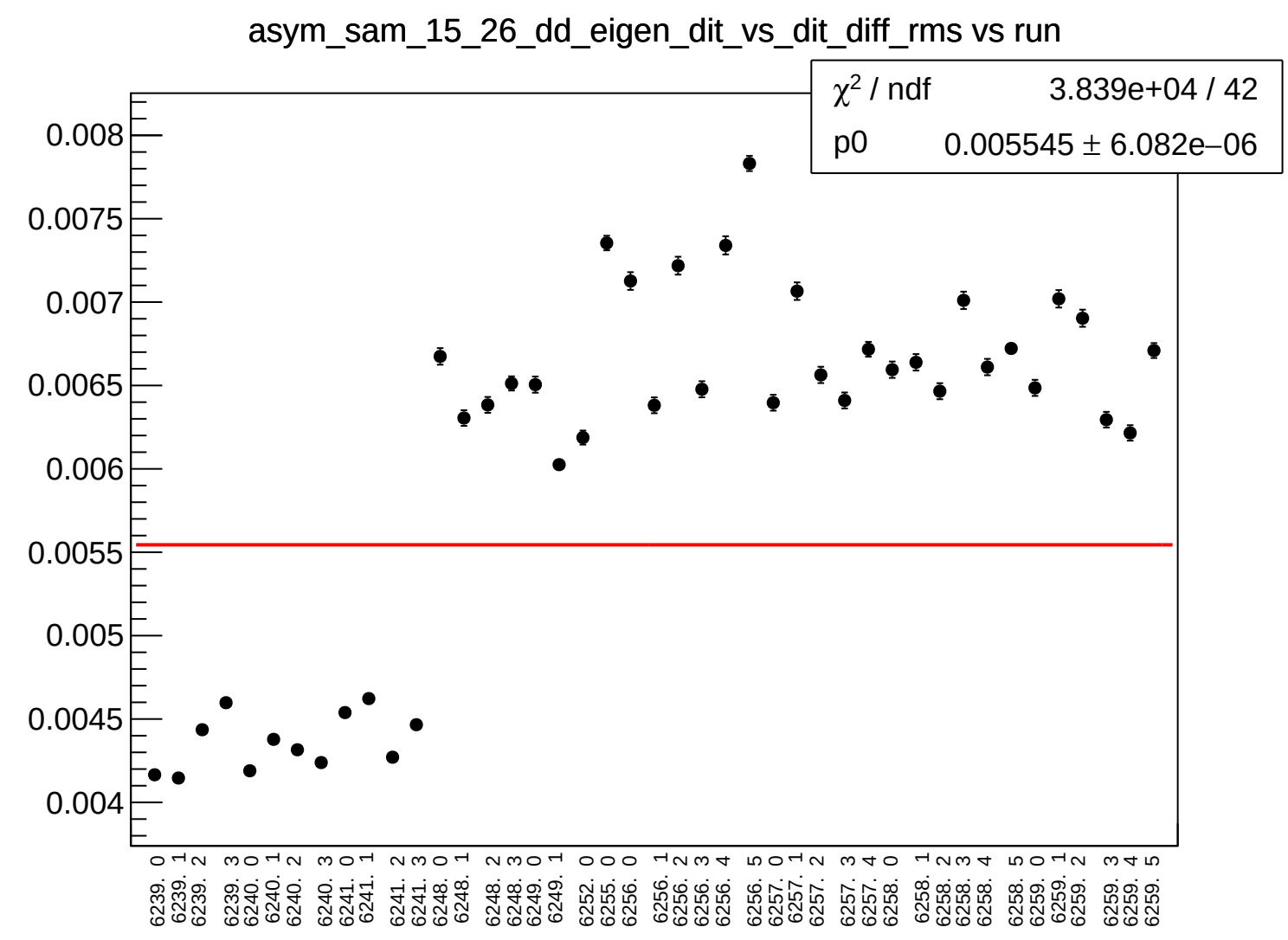

pull1D
Entries 43
Mean 0.01165
Std Dev 1.027

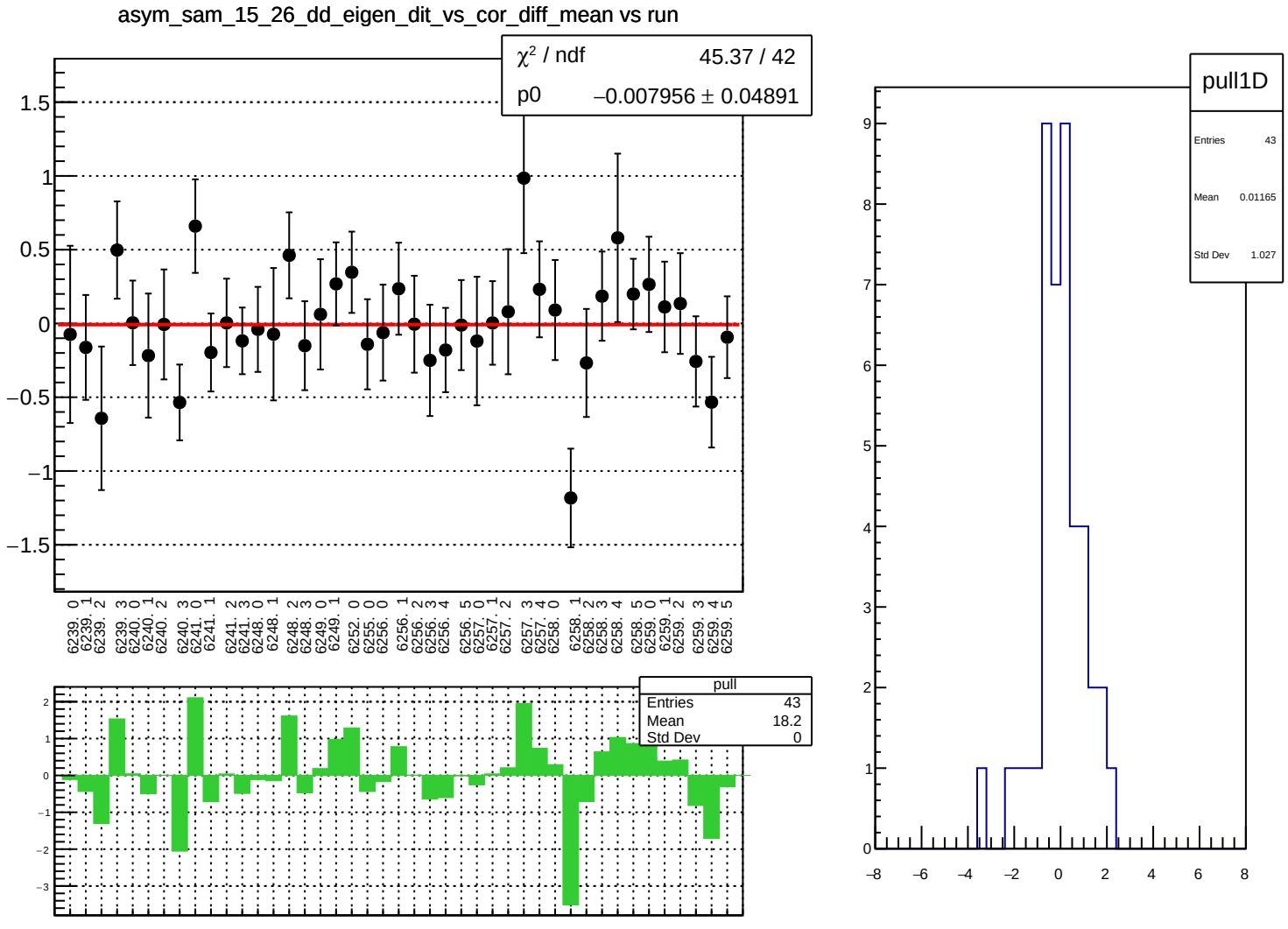

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.252e+04 / 42
p0 31.83 ± 0.03458
60
55
50
45
40
35
30
25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

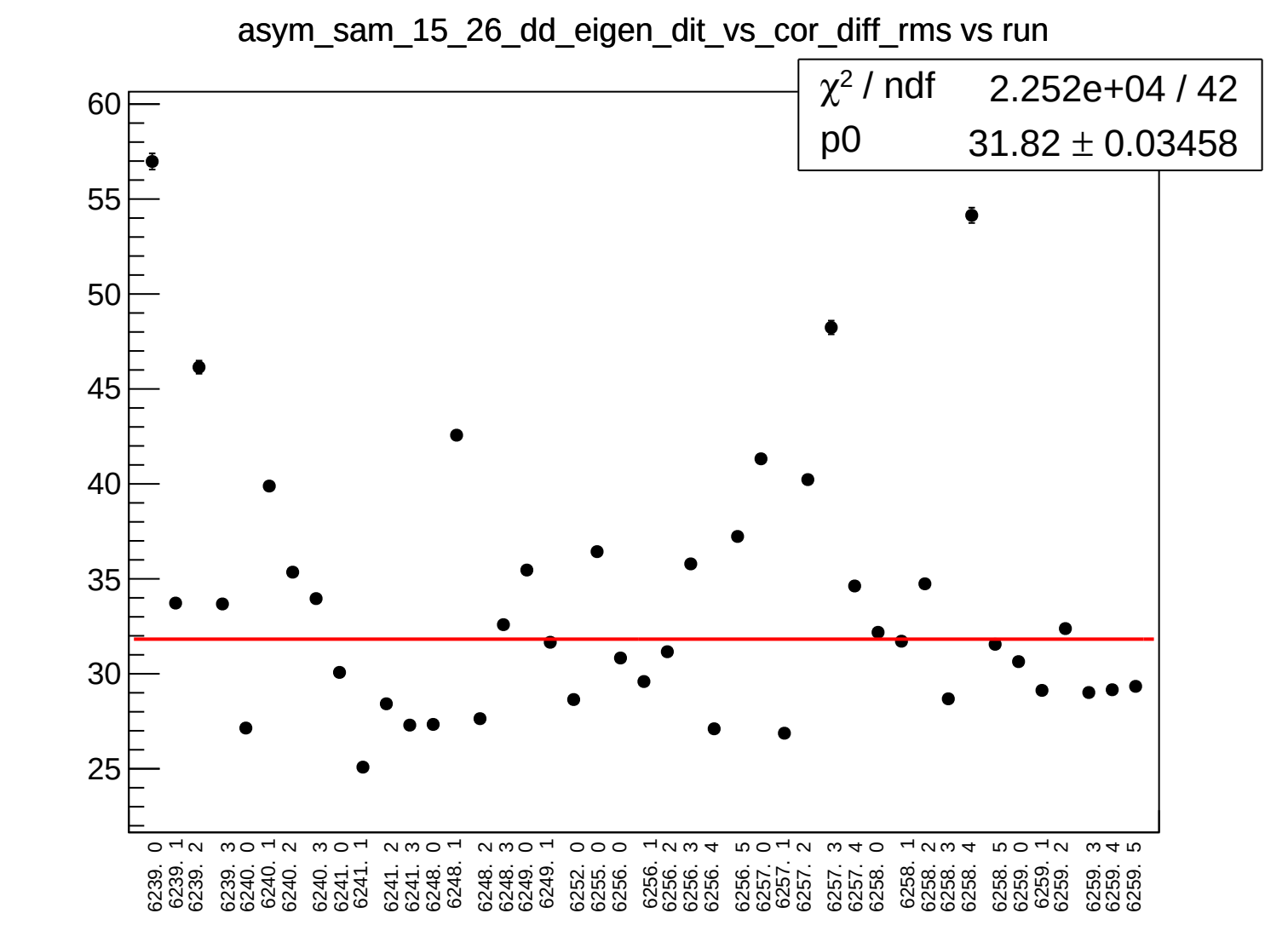

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.37 / 42
p0 −0.007947 ± 0.04891
1.5
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.22
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01165
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

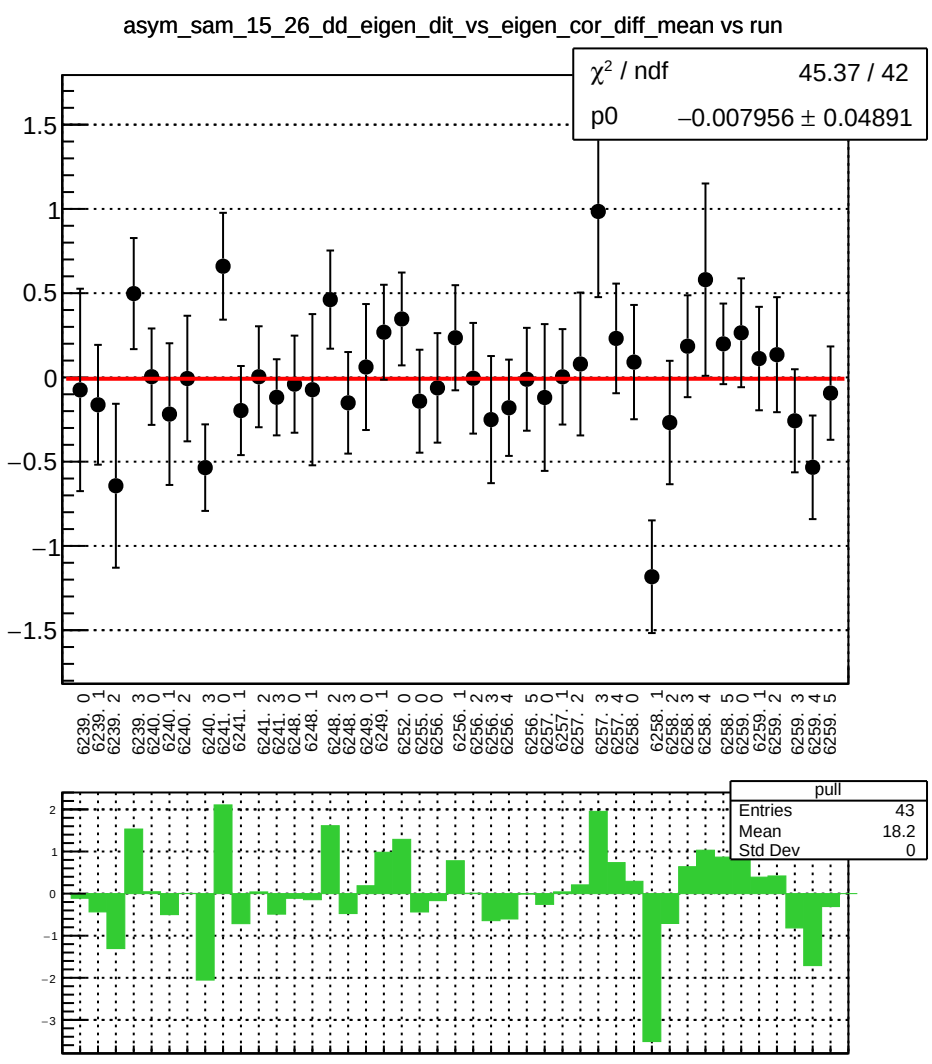

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.252e+04 / 42
p0 31.83 ± 0.03458
60
55
50
45
40
35
30
25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

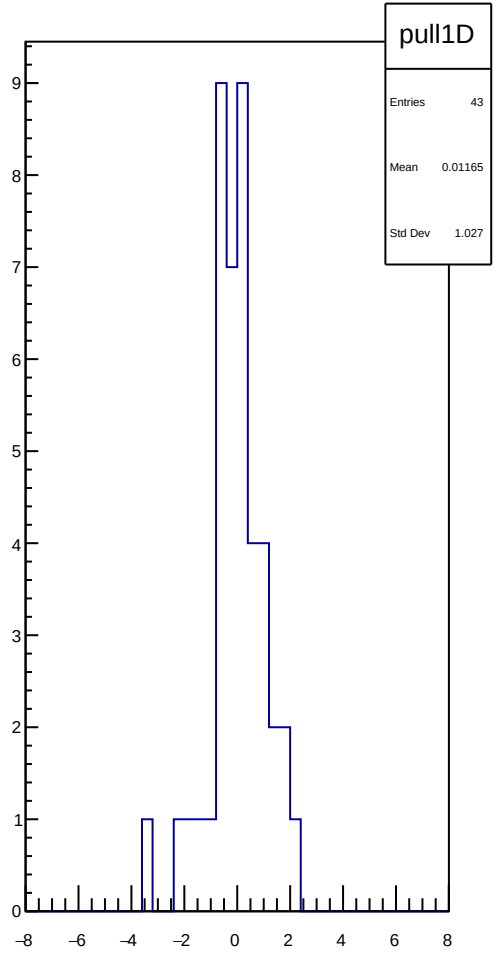

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 40.28 / 42
p0 −3.731e−07 ± 8.601e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.104
Std Dev 0.9623
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

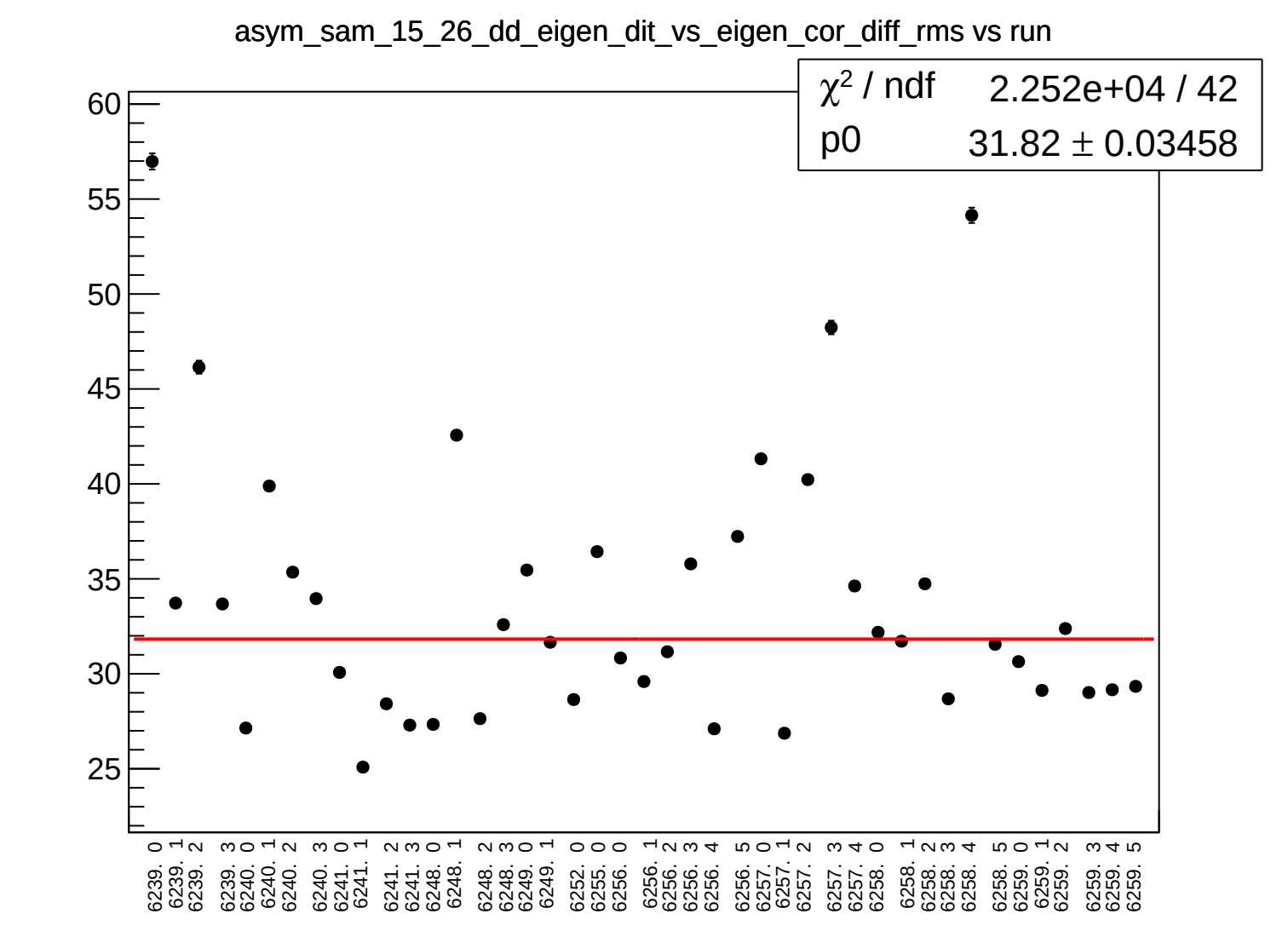

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.839e+04 / 42
p0 0.005545 ± 6.082e−06
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

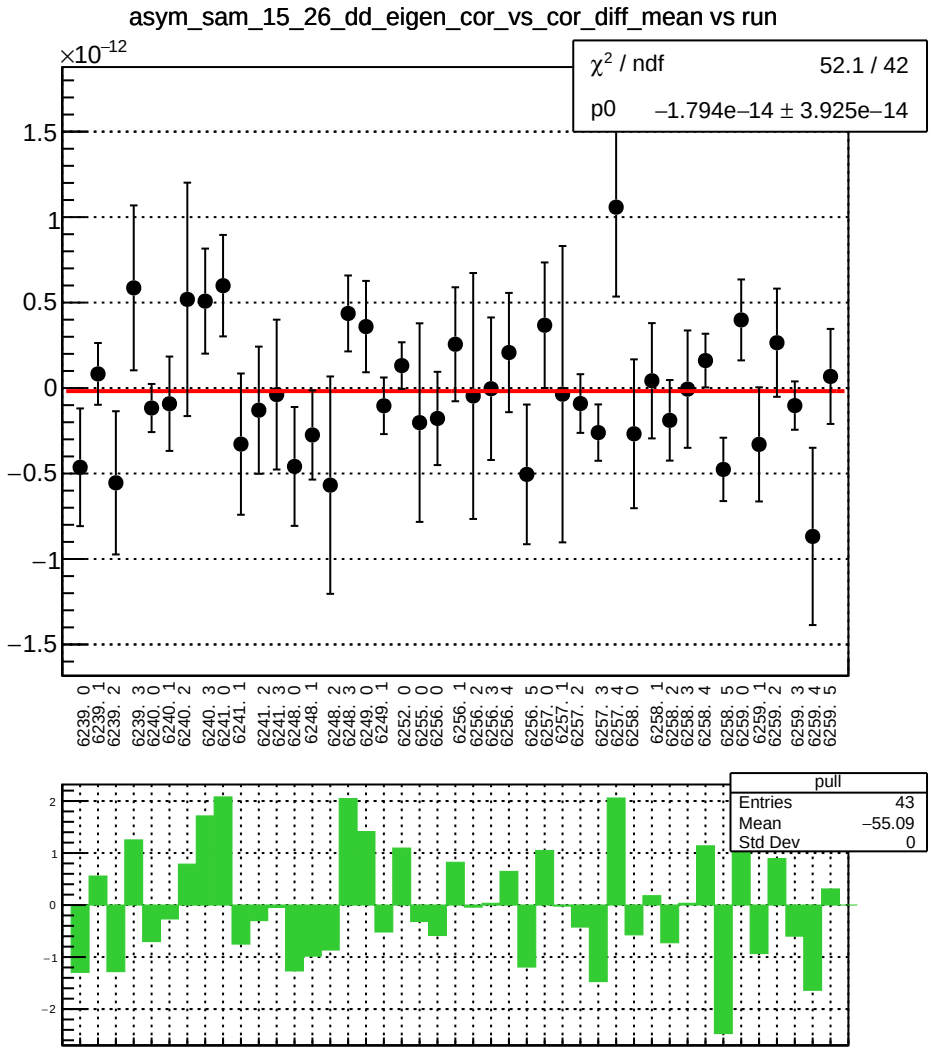

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.37 / 42
p0 −0.007956 ± 0.04891
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.2
Std Dev 0
pull1D
Entries 43
Mean 0.01165
Std Dev 1.027

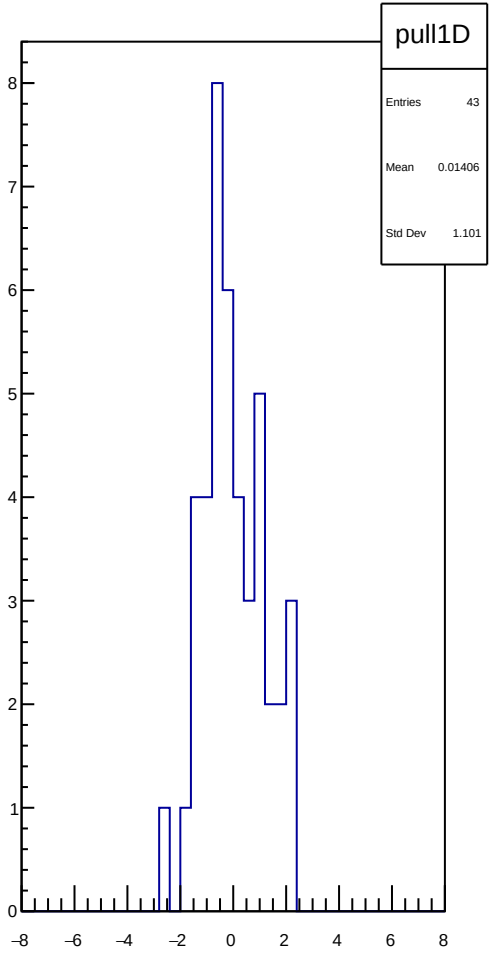

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.252e+04 / 42
p0 31.82 ± 0.03458
60
55
50
45
40
35
30
25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

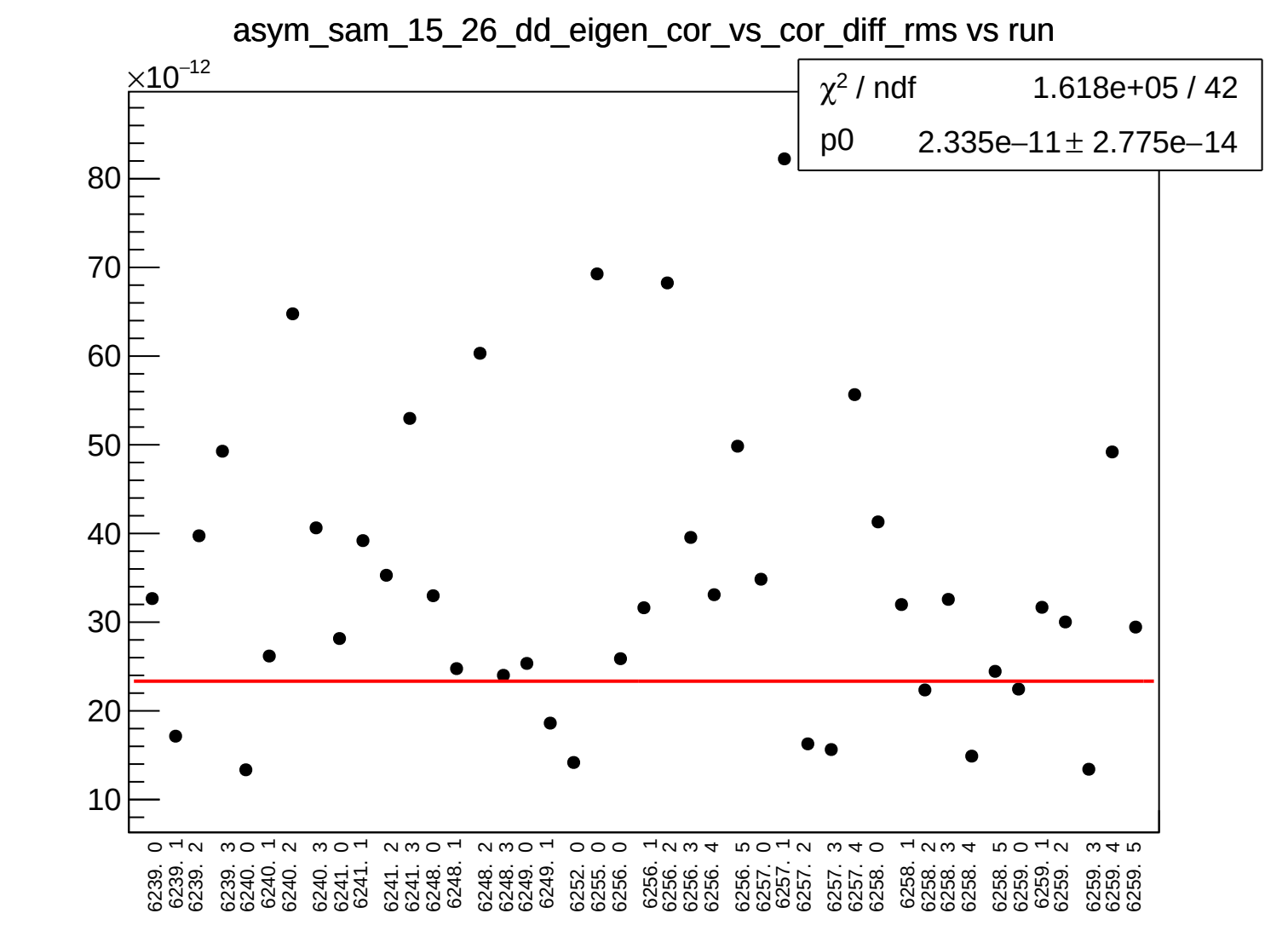

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.37 / 42
p0 −0.007956 ± 0.04891
1.5
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.2
Std Dev 0
2
1
0
−1
−2
−3

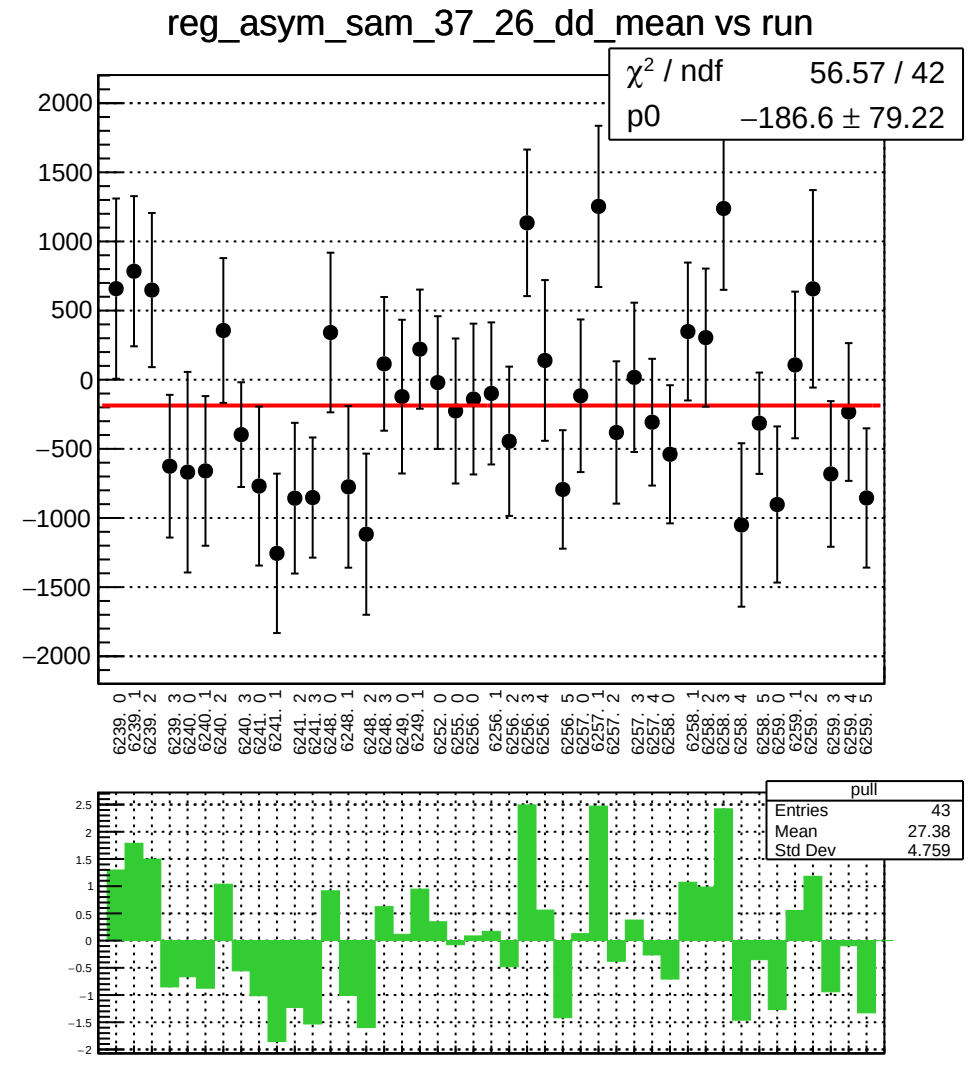

pull1D
Entries 43
Mean 0.01165
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

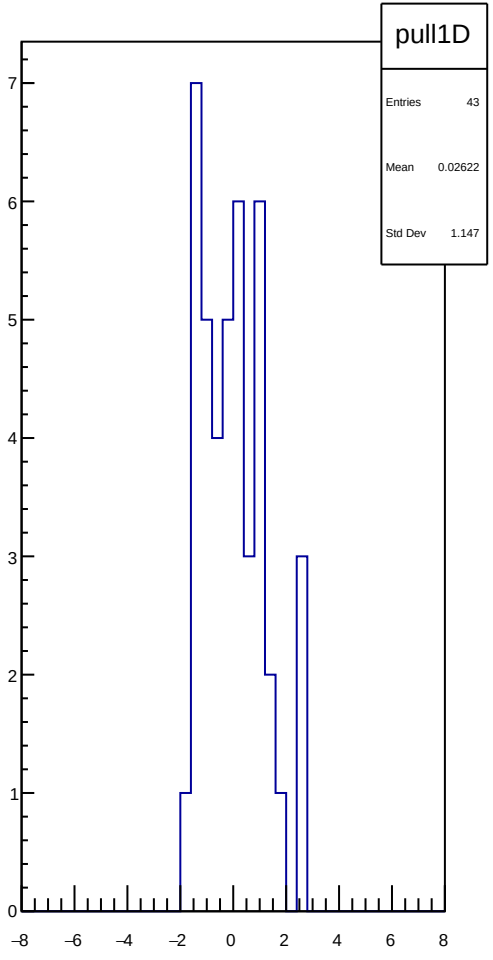

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.252e+04 / 42
p0 31.82 ± 0.03458
60
55
50
45
40
35
30
25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

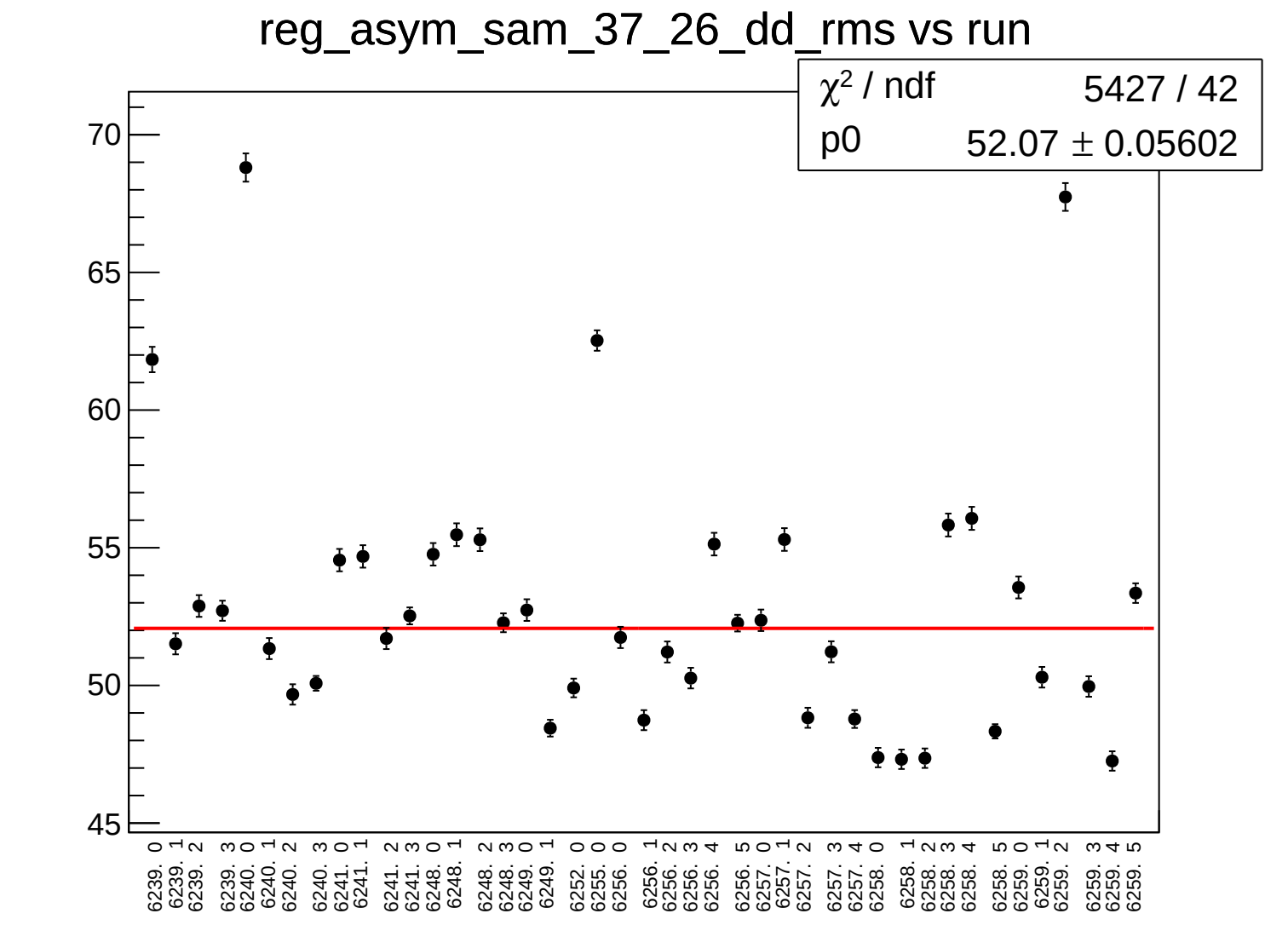

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.1 / 42
p0 −1.794e−14 ± 3.925e−14
1.5
1
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −55.09
Std Dev 0
2
1
0
−1
−2

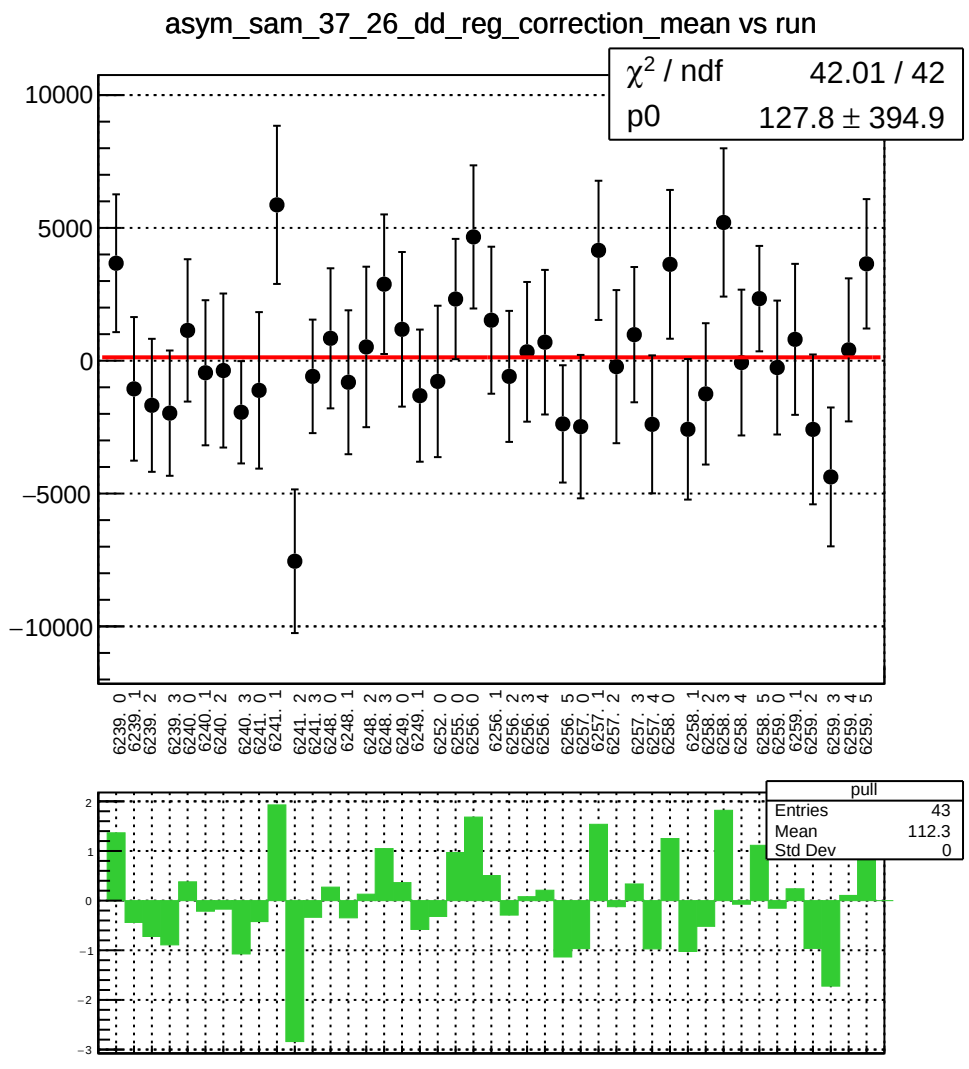

pull1D
Entries 43
Mean 0.01406
Std Dev 1.101
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

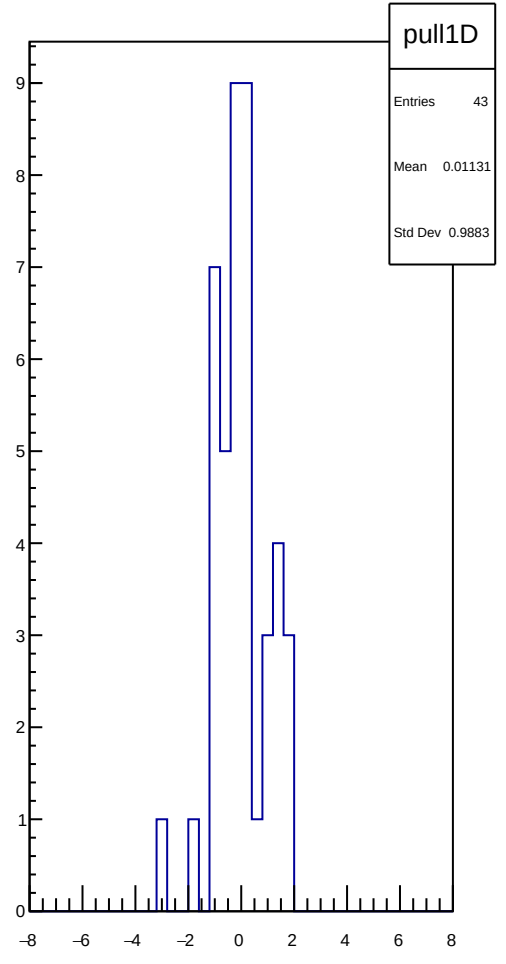

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 1.618e+05 / 42
p0 2.335e−11 ± 2.775e−14
80
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

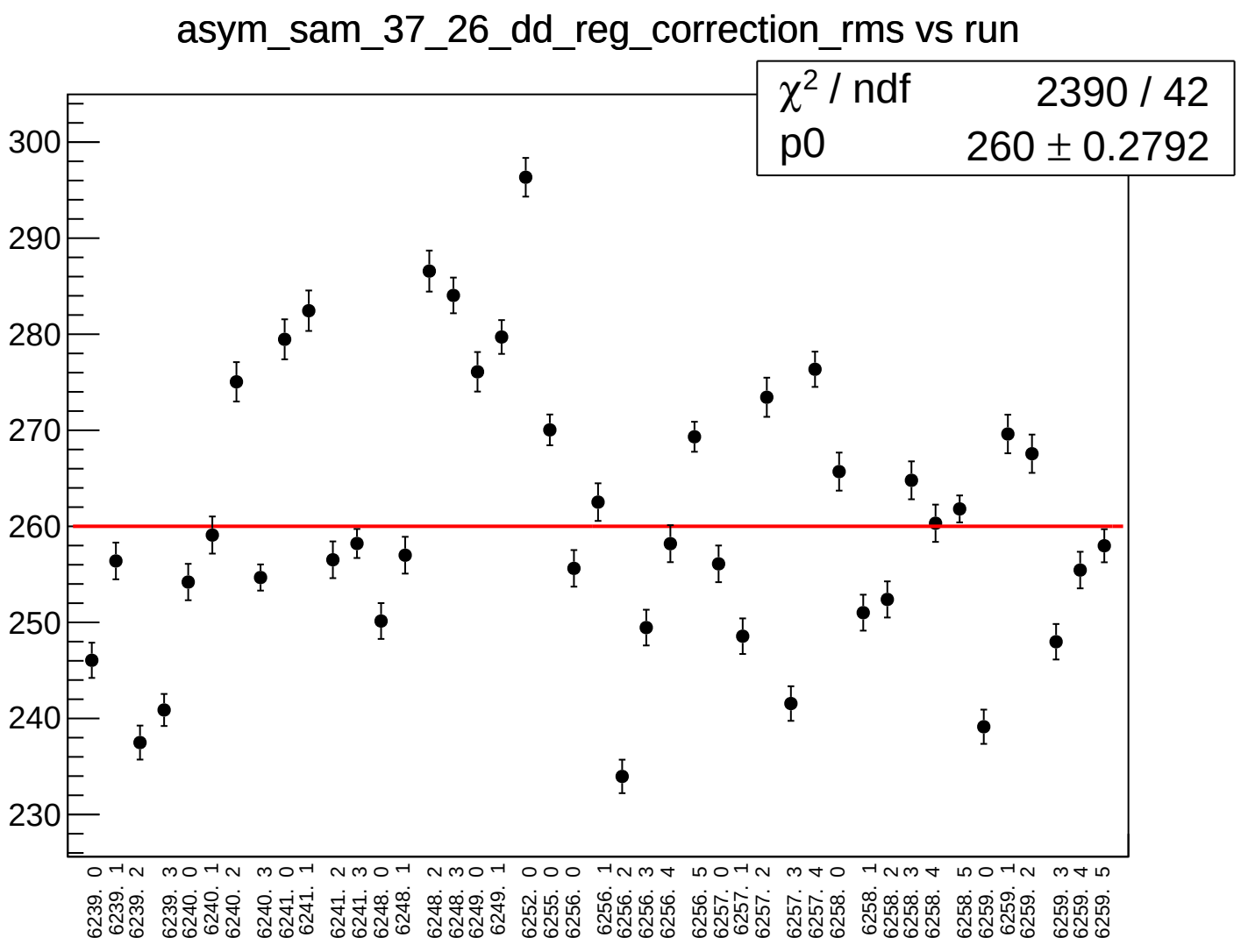

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 56.57 / 42
p0 −186.6 ± 79.22
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 27.38
Std Dev 4.759
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

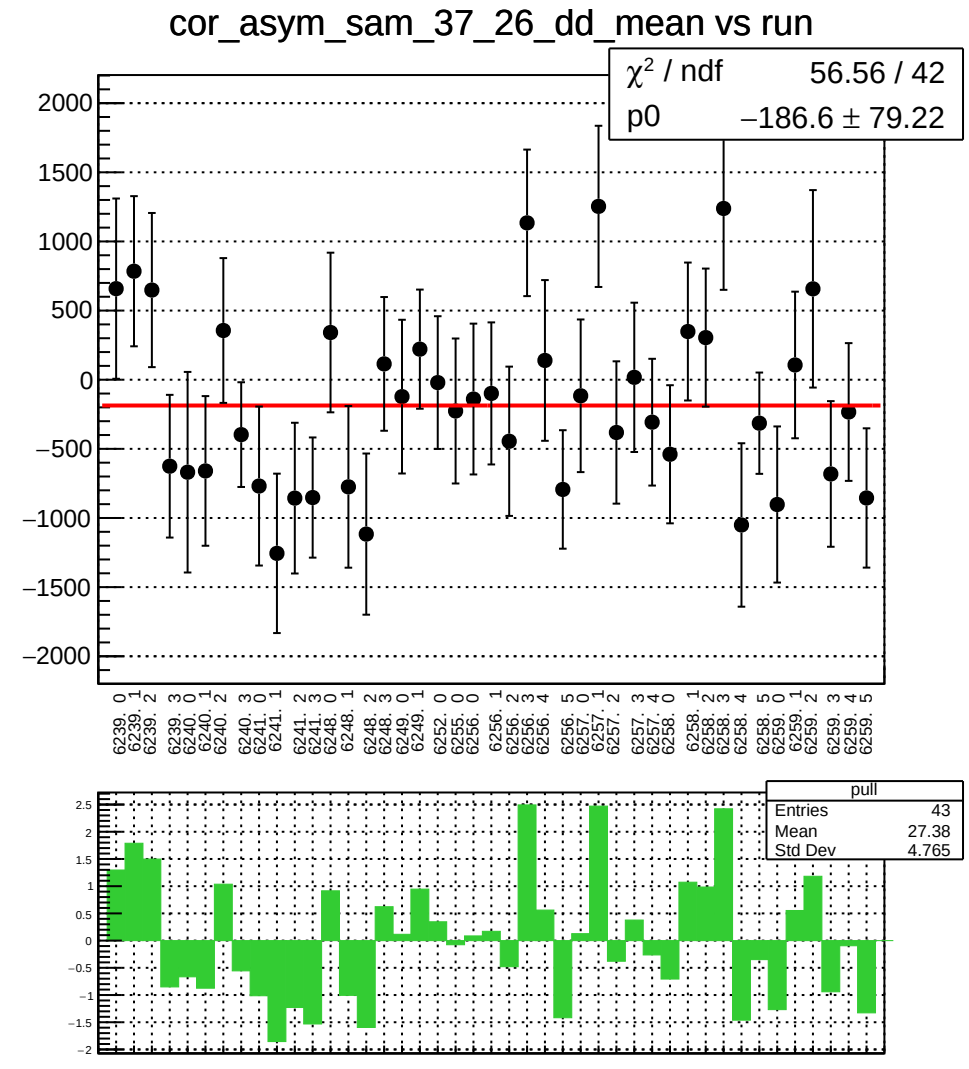

pull1D
Entries 43
Mean 0.02622
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

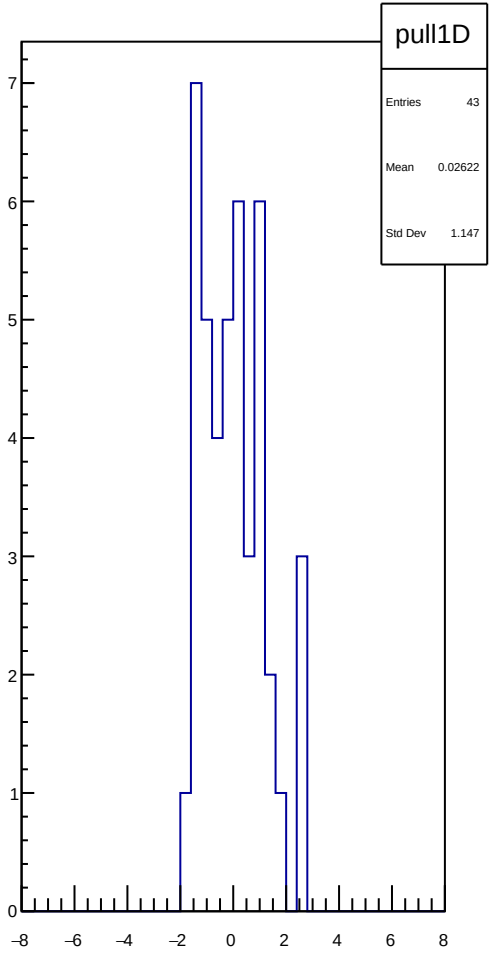

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 5427 / 42
p0 52.07 ± 0.05602
70
65
60
55
50
45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

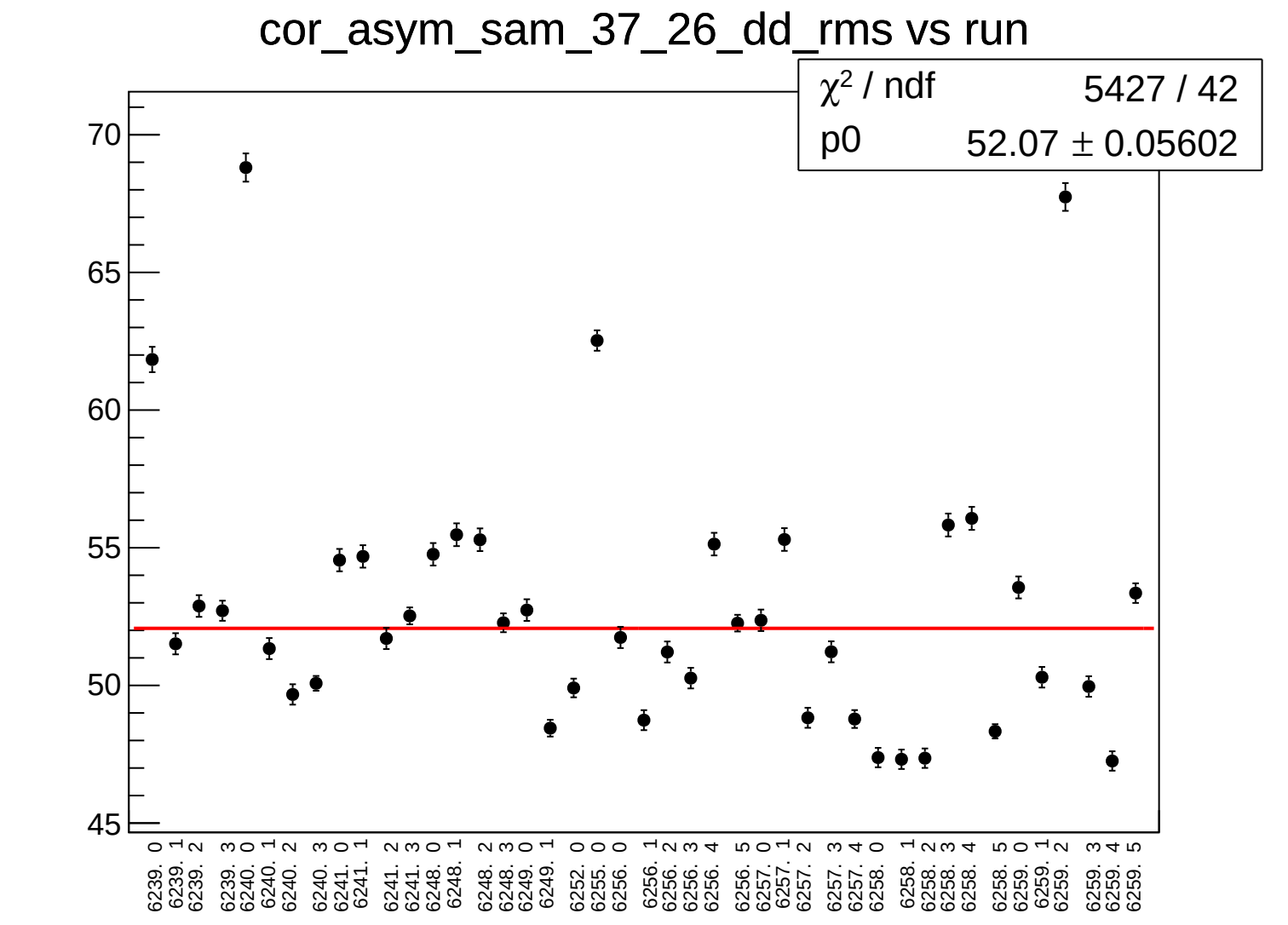

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 42.01 / 42
p0 127.8 ± 394.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.3
Std Dev 0
2
1
0
−1
−2
−3

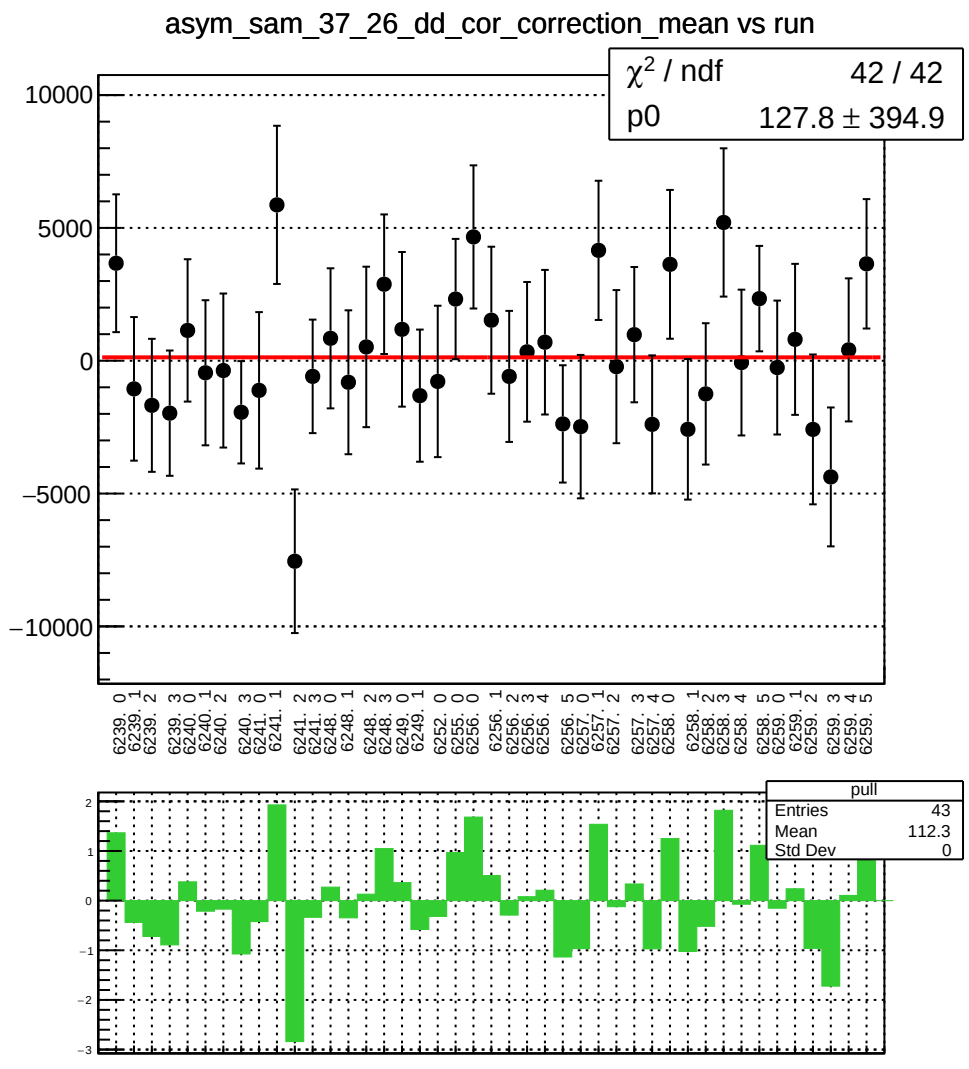

pull1D
Entries 43
Mean 0.01131
Std Dev 0.9883
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

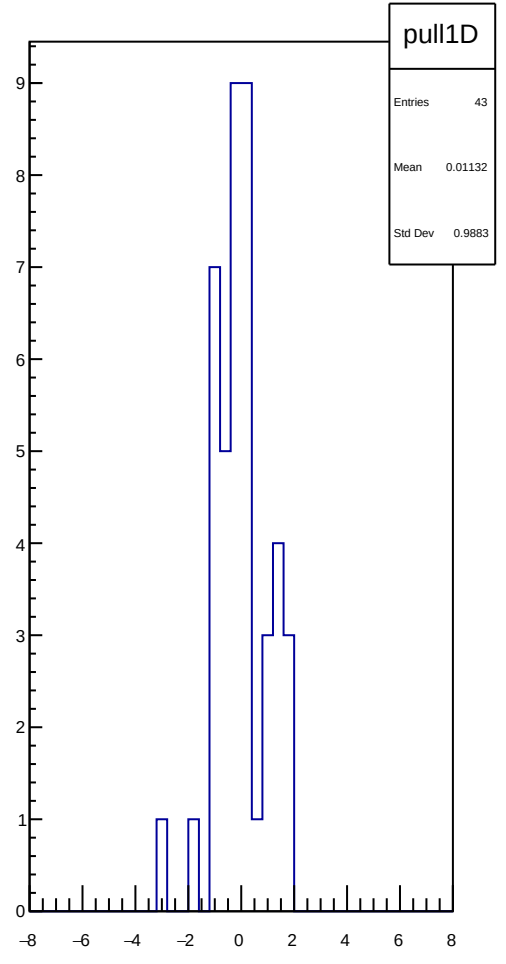

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 2390 / 42
p0 260 ± 0.2792
300
290
280
270
260
250
240
230
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

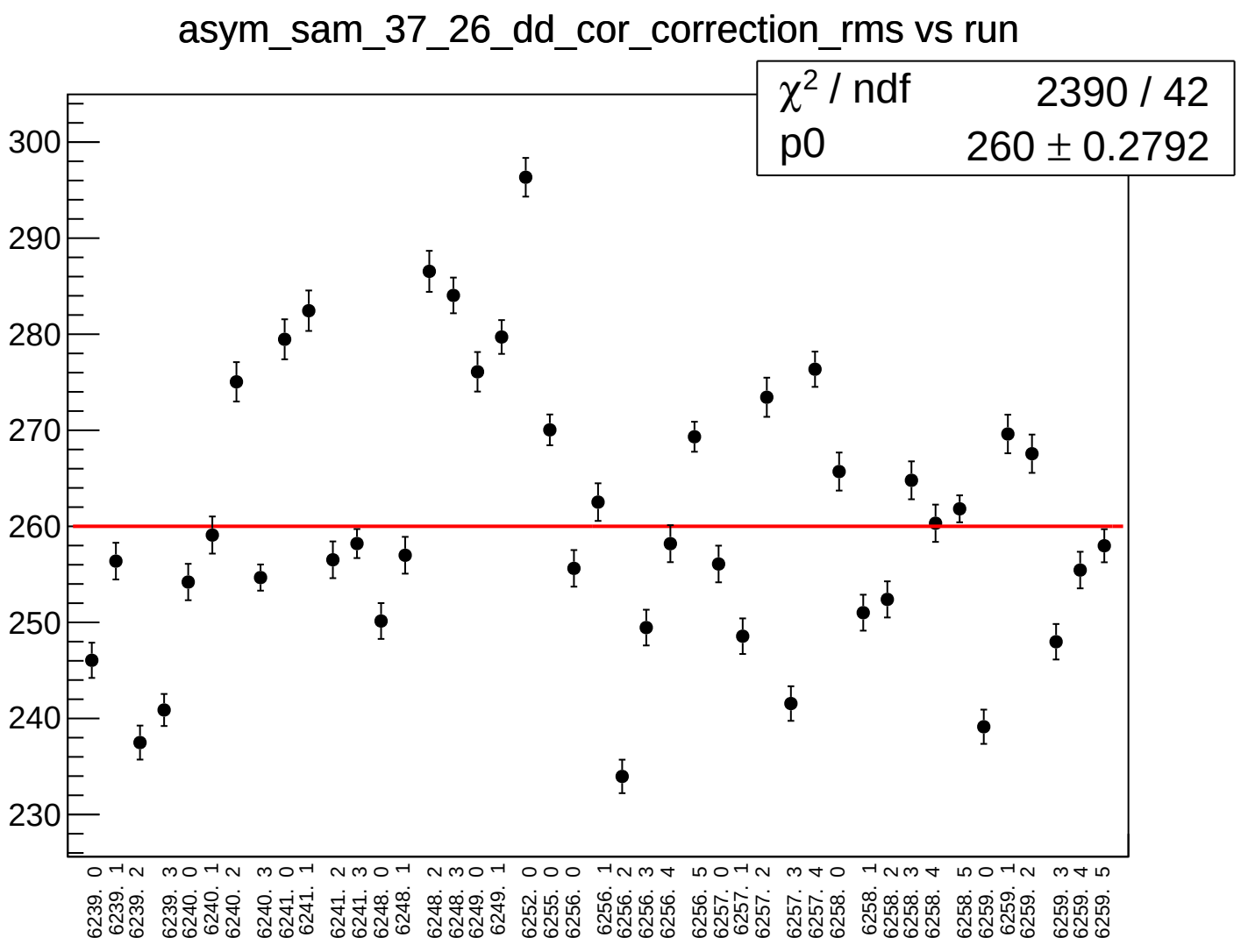

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 56.56 / 42
p0 −186.6 ± 79.22
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 27.38
Std Dev 4.765
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

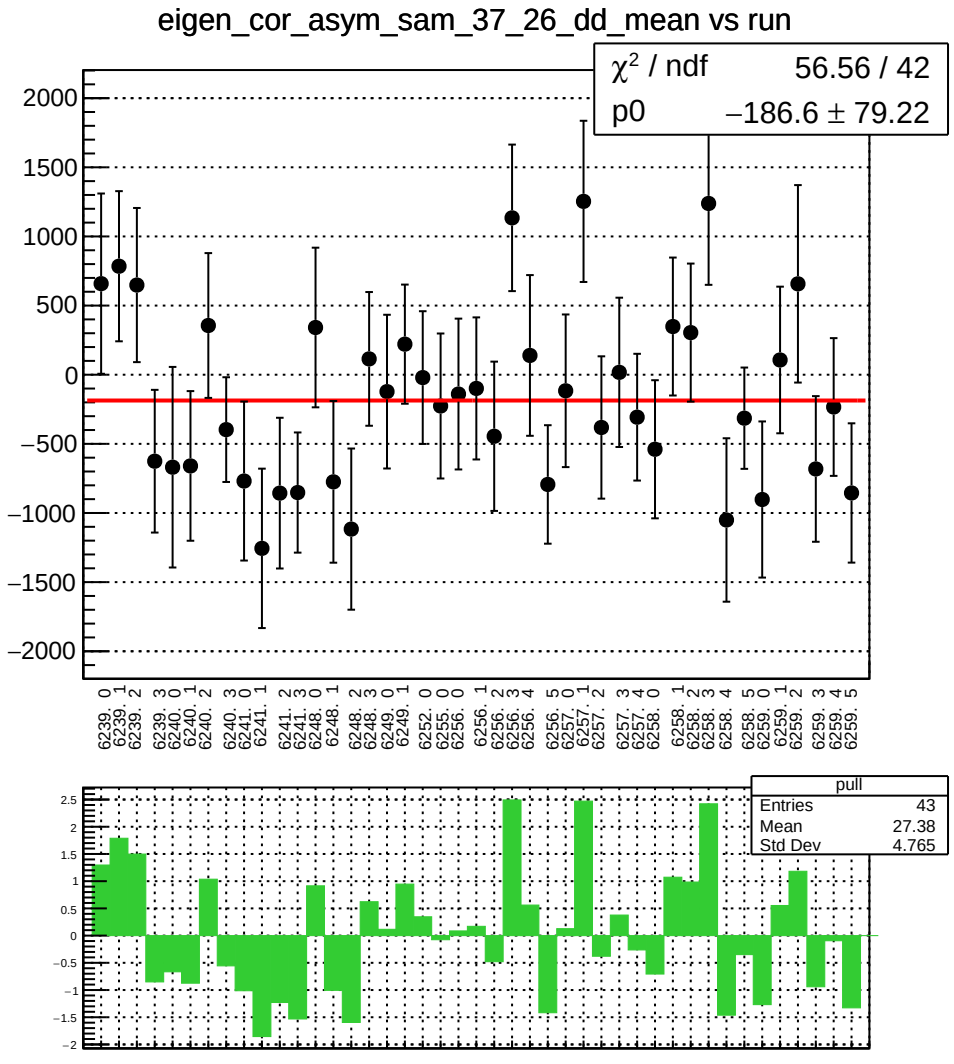

pull1D
Entries 43
Mean 0.02622
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

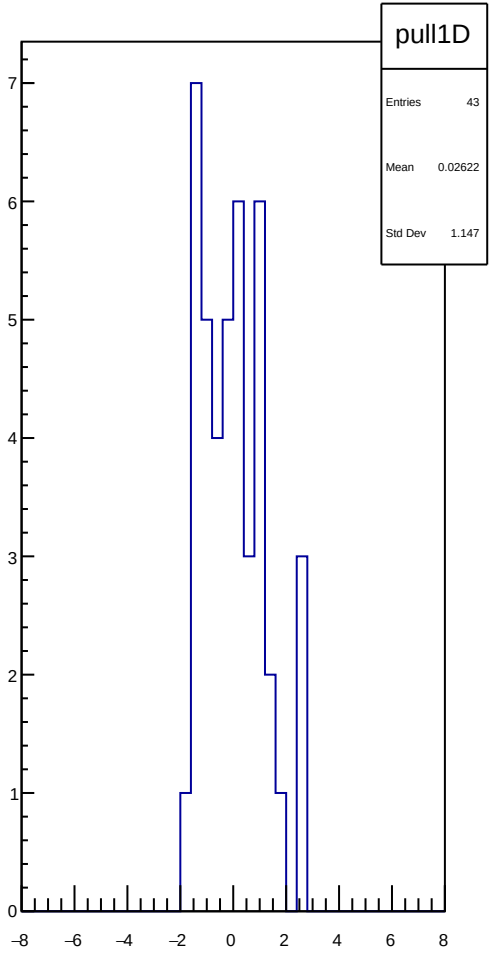

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5427 / 42
p0 52.07 ± 0.05602
70
65
60
55
50
45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

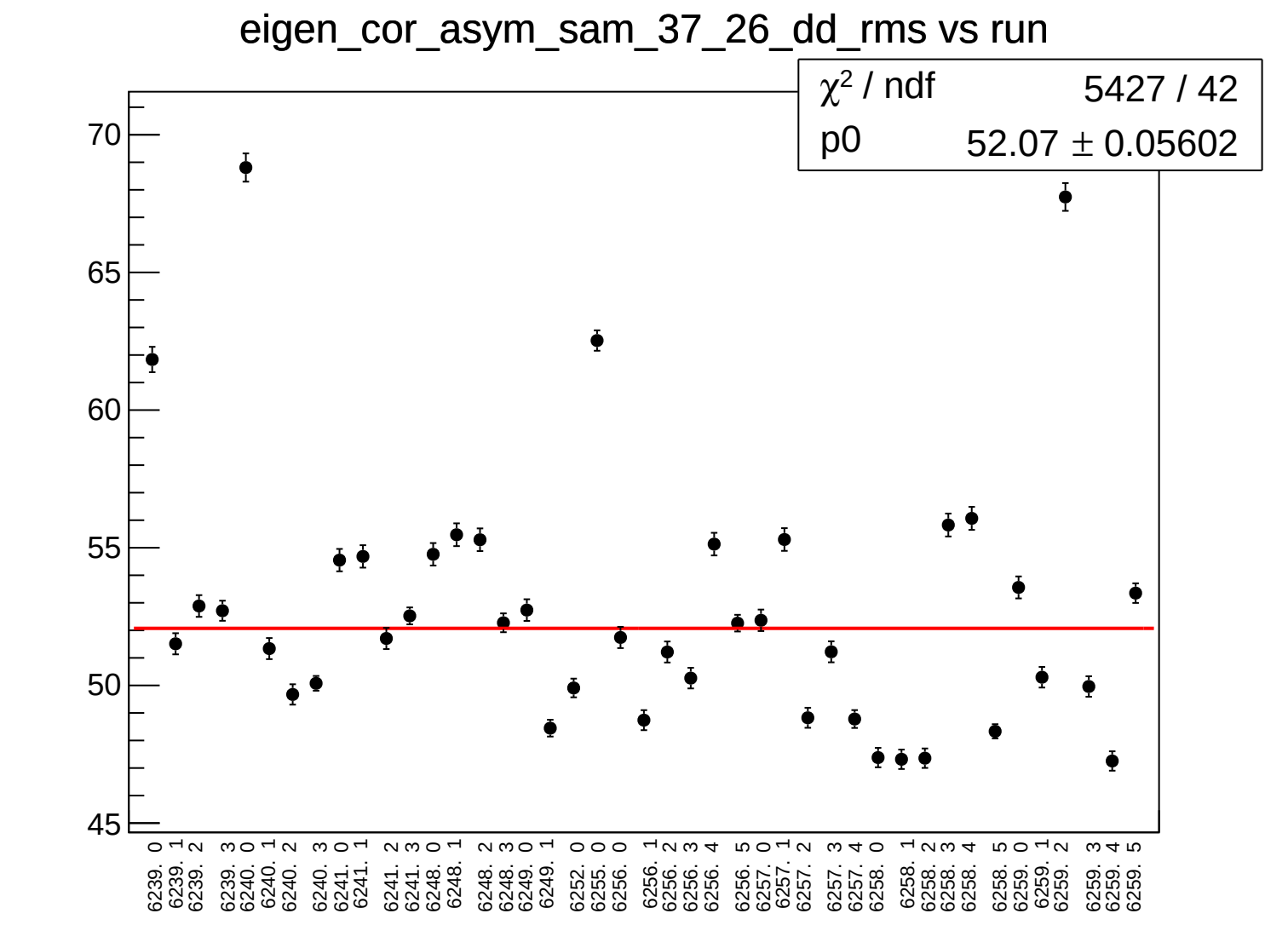

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 42 / 42
p0 127.8 ± 394.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.3
Std Dev 0
2
1
0
−1
−2
−3

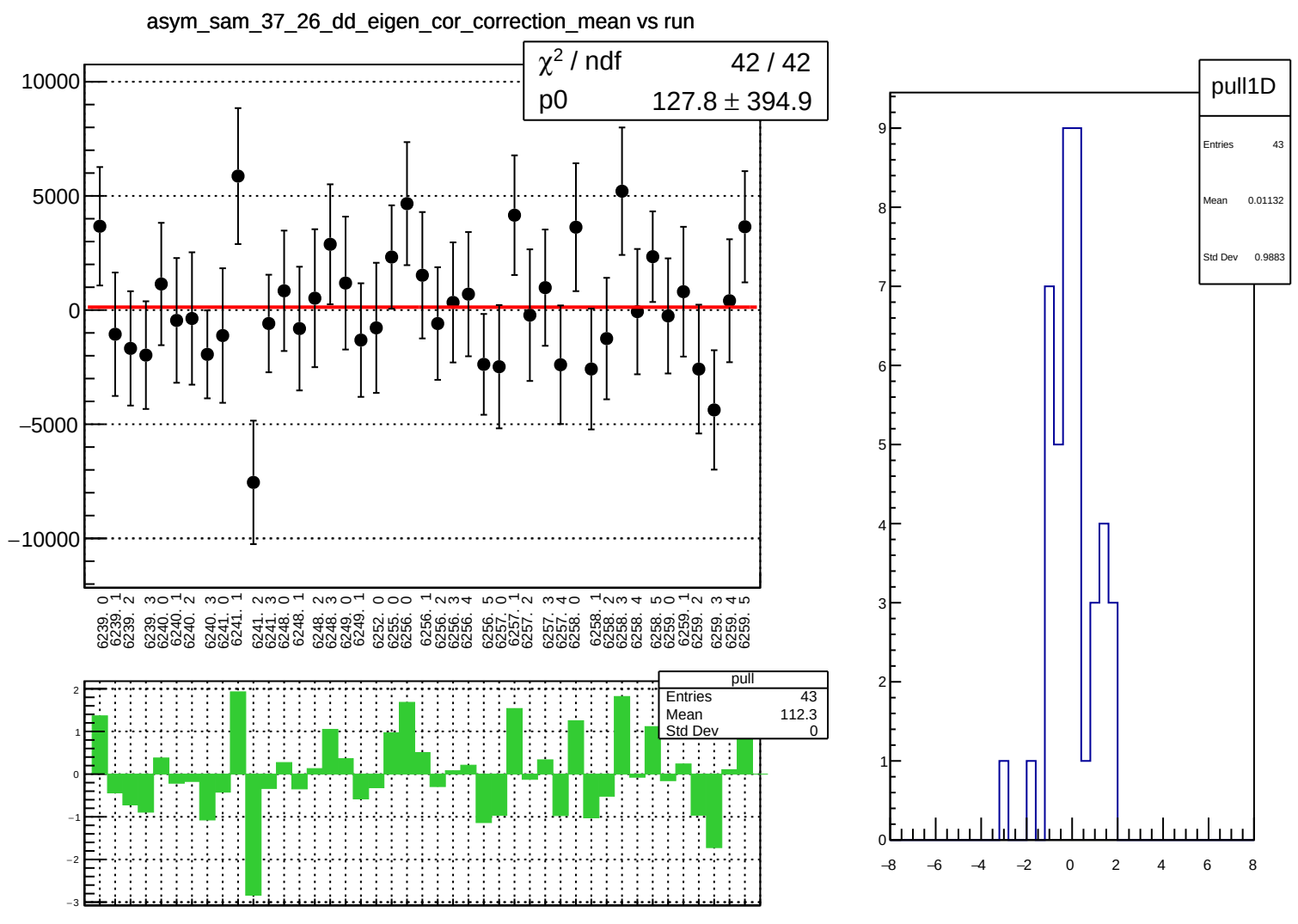

pull1D
Entries 43
Mean 0.01132
Std Dev 0.9883
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

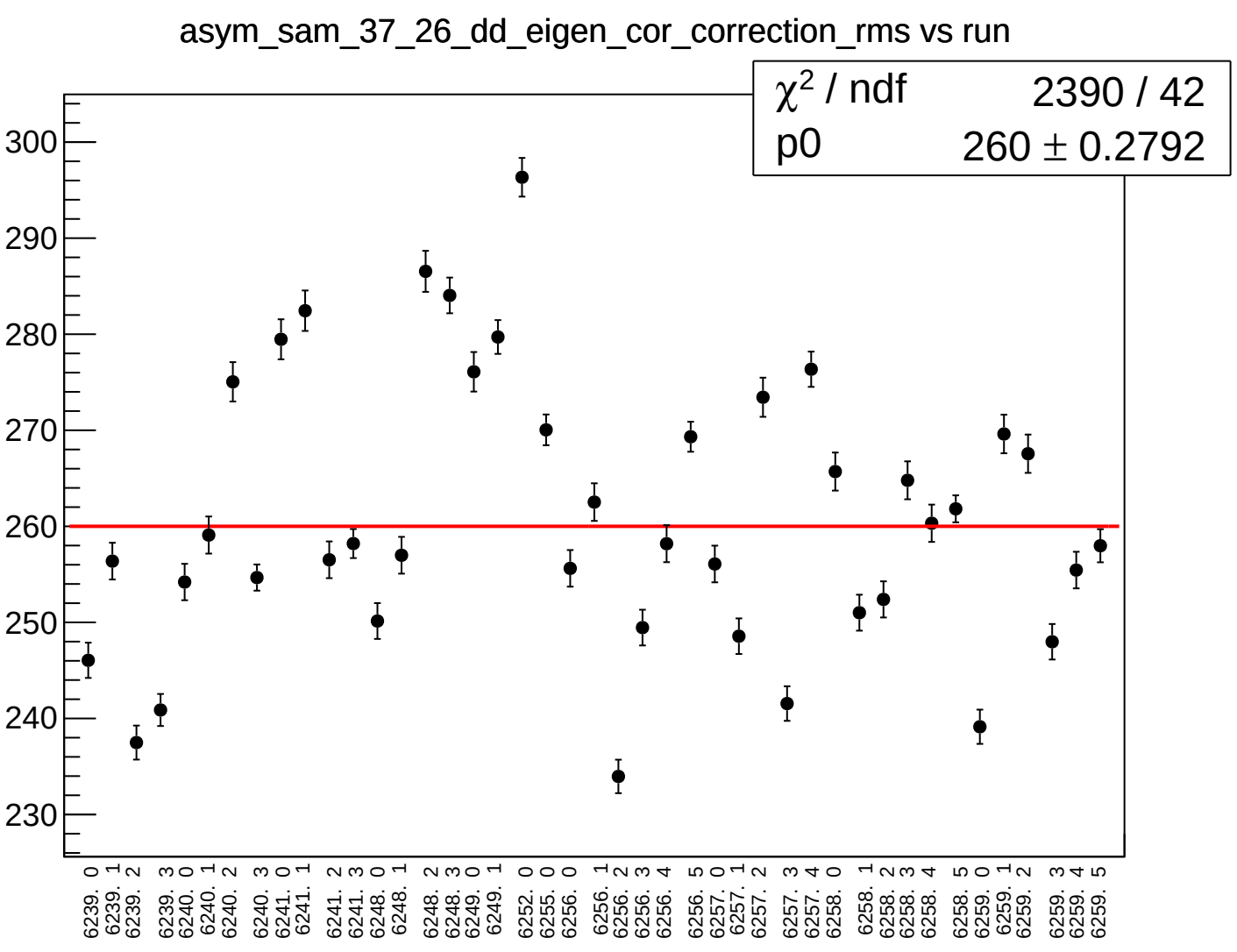

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 2390 / 42
p0 260 ± 0.2792
300
290
280
270
260
250
240
230
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

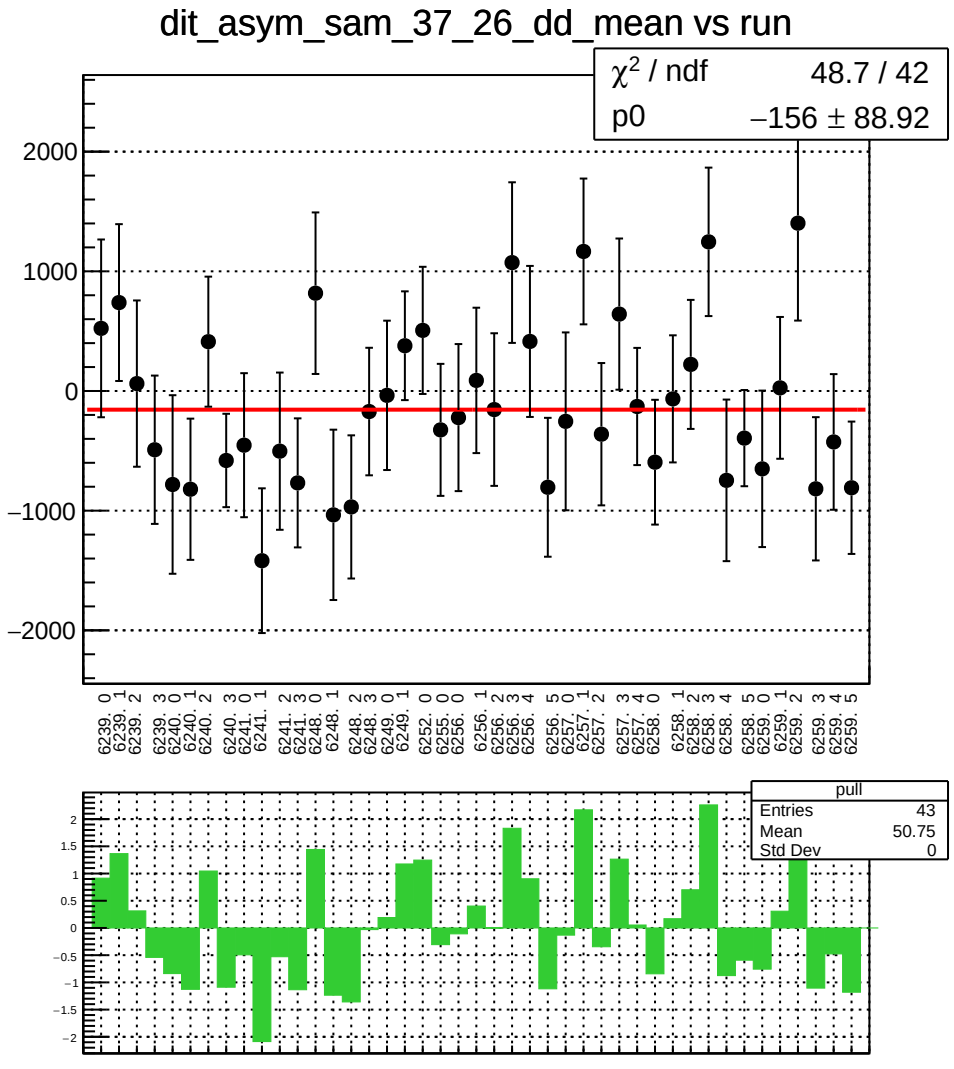

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 56.56 / 42
p0 −186.6 ± 79.22
2000
1500
1000
500
0
−500
−1000
−1500
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 27.38
Std Dev 4.765
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

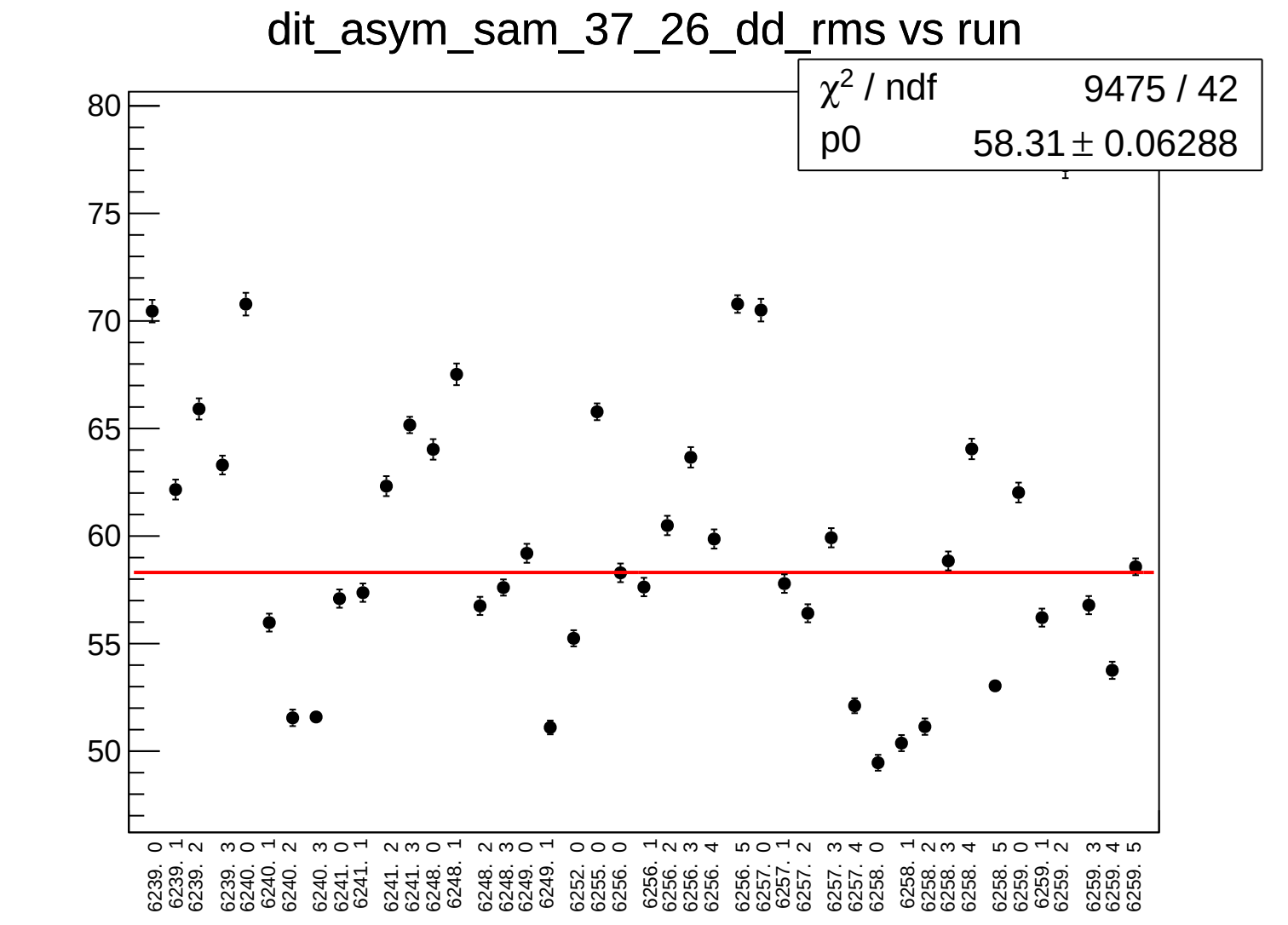

pull1D
Entries 43
Mean 0.02622
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

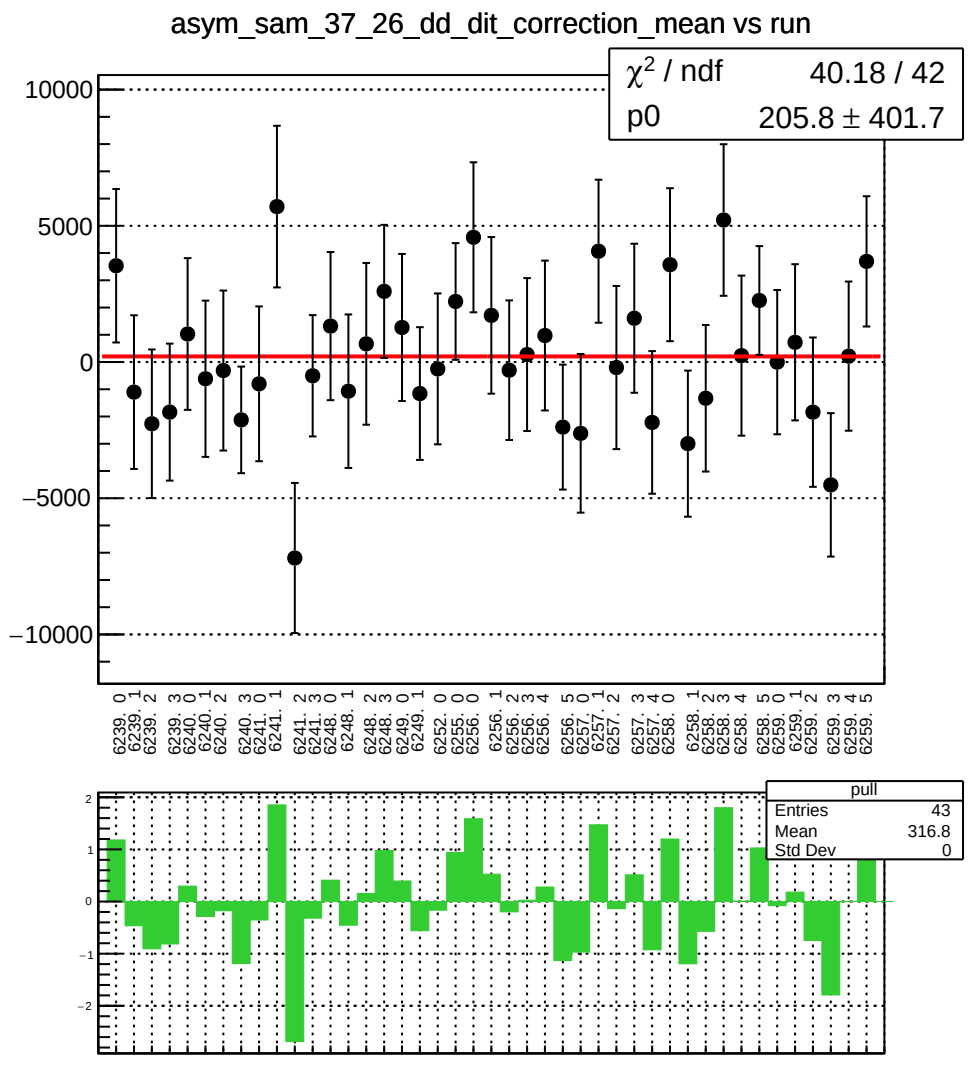

eigen_cor_asym_sam_37_26_dd_rms vs run
$\chi^2$ / ndf 5427 / 42
p0 52.07 ± 0.05602
70
65
60
55
50
45
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

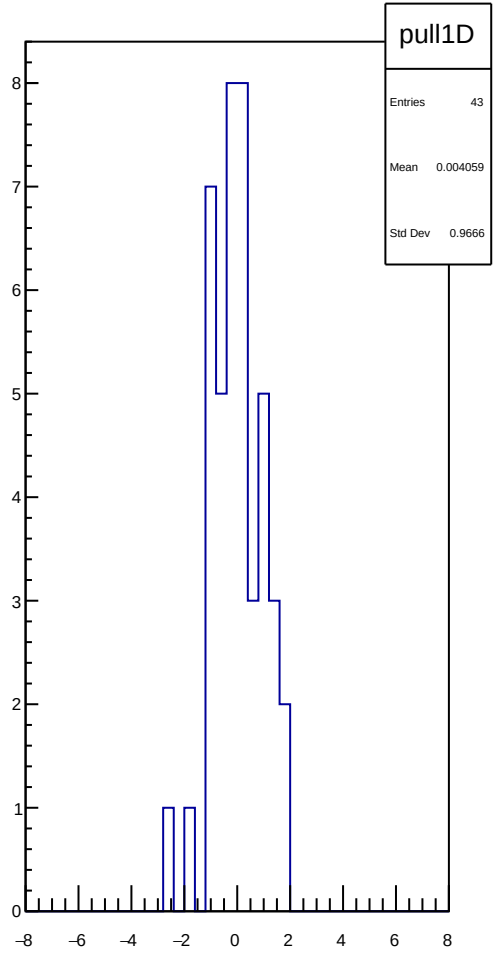

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 42 / 42
p0 127.8 ± 394.9
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.01132
Std Dev 0.9883
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

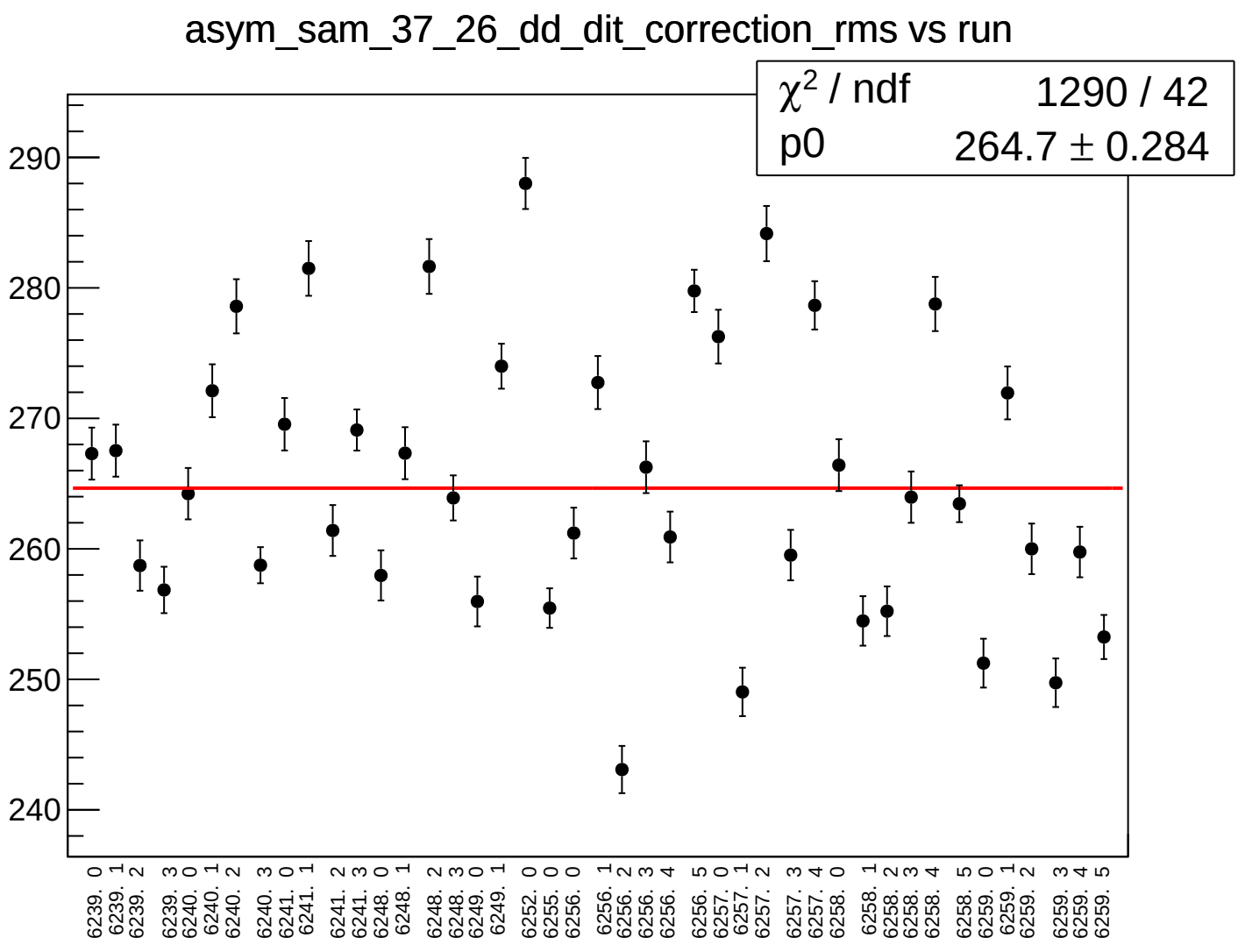

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2390 / 42
p0 260 ± 0.2792
300
290
280
270
260
250
240
230
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

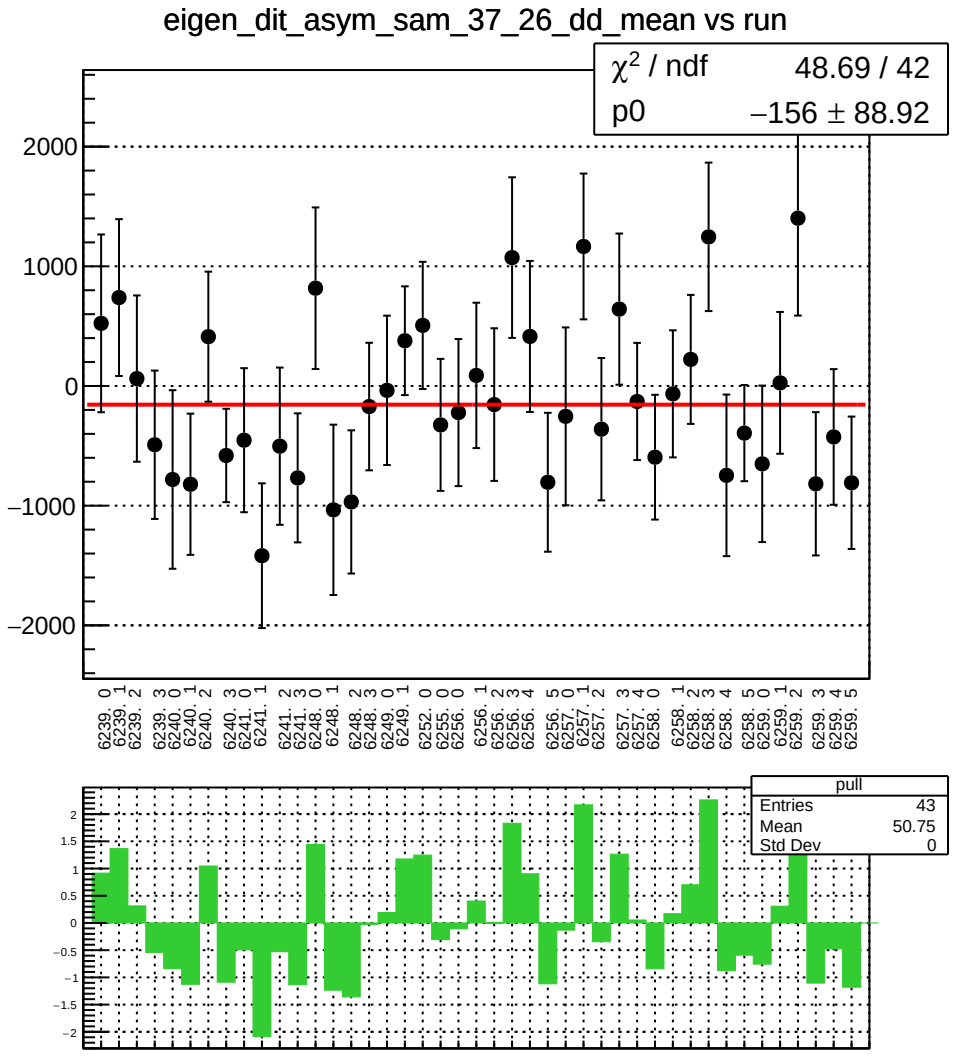

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 48.7 / 42
p0 −156 ± 88.92
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.03219
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

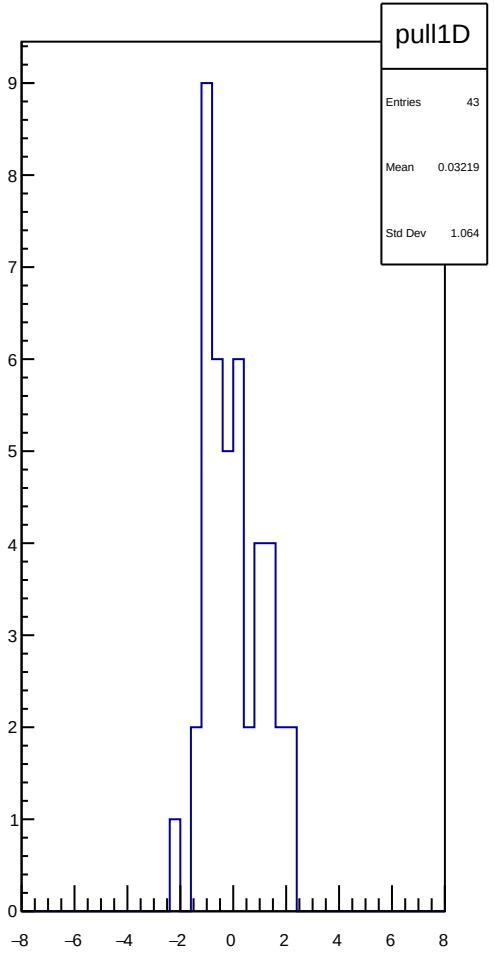

dit_asym_sam_37_26_dd_rms vs run
$\chi^2$ / ndf 9475 / 42
p0 58.31 ± 0.06288
80
75
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

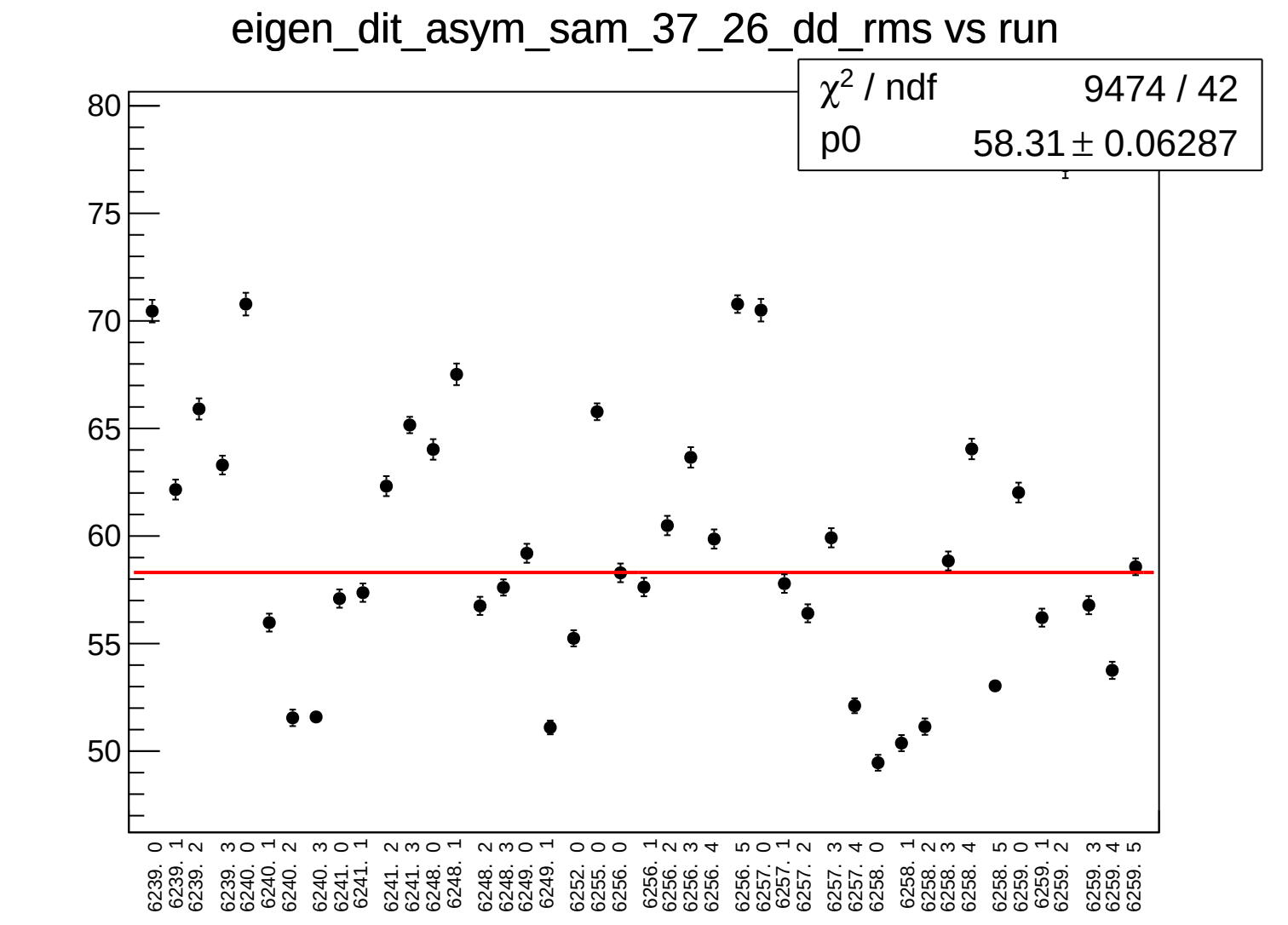

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 40.18 / 42
p0 205.8 ± 401.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 316.8
Std Dev 0
2
1
0
−1
−2

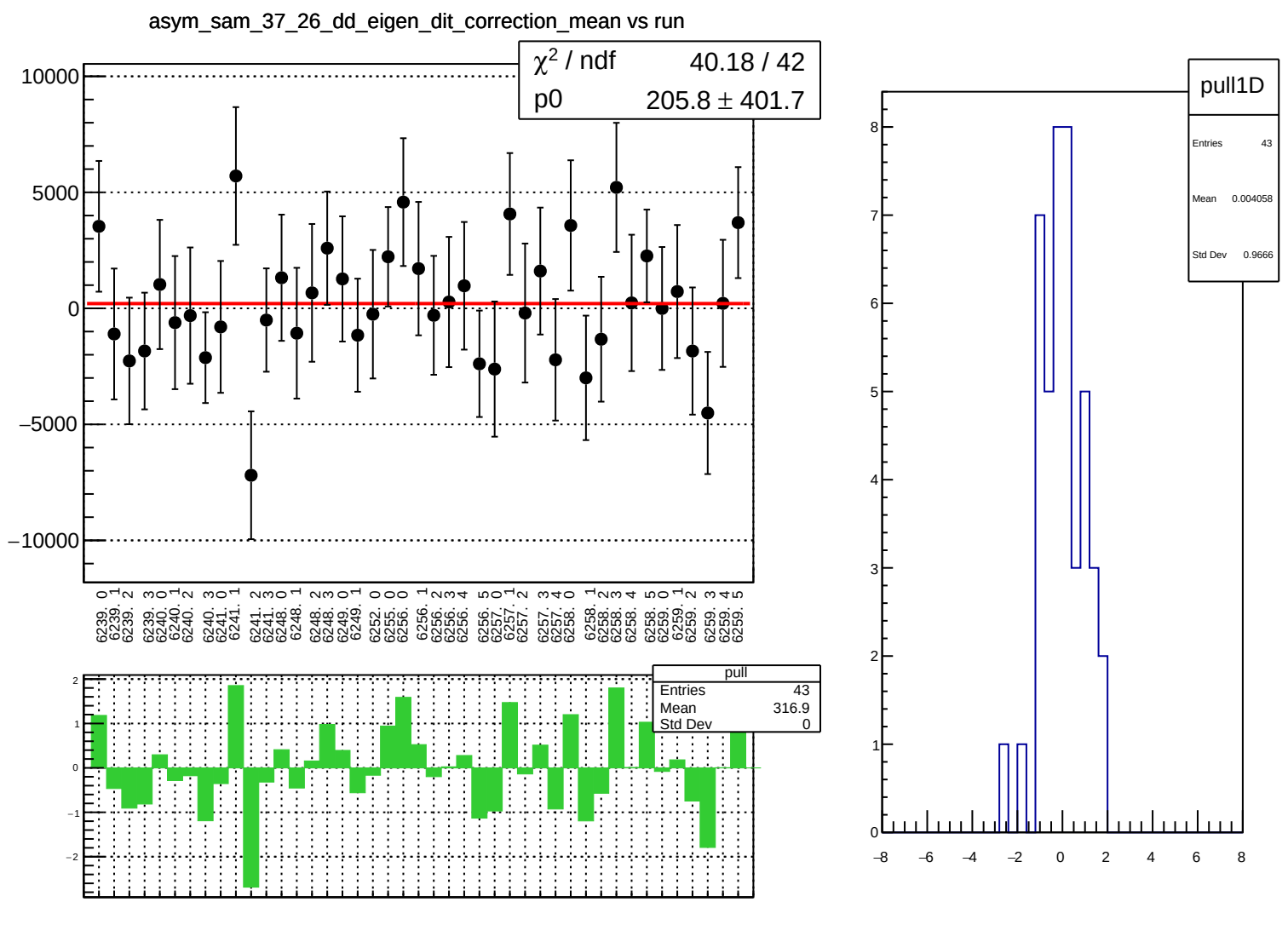

pull1D
Entries 43
Mean 0.004059
Std Dev 0.9666
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

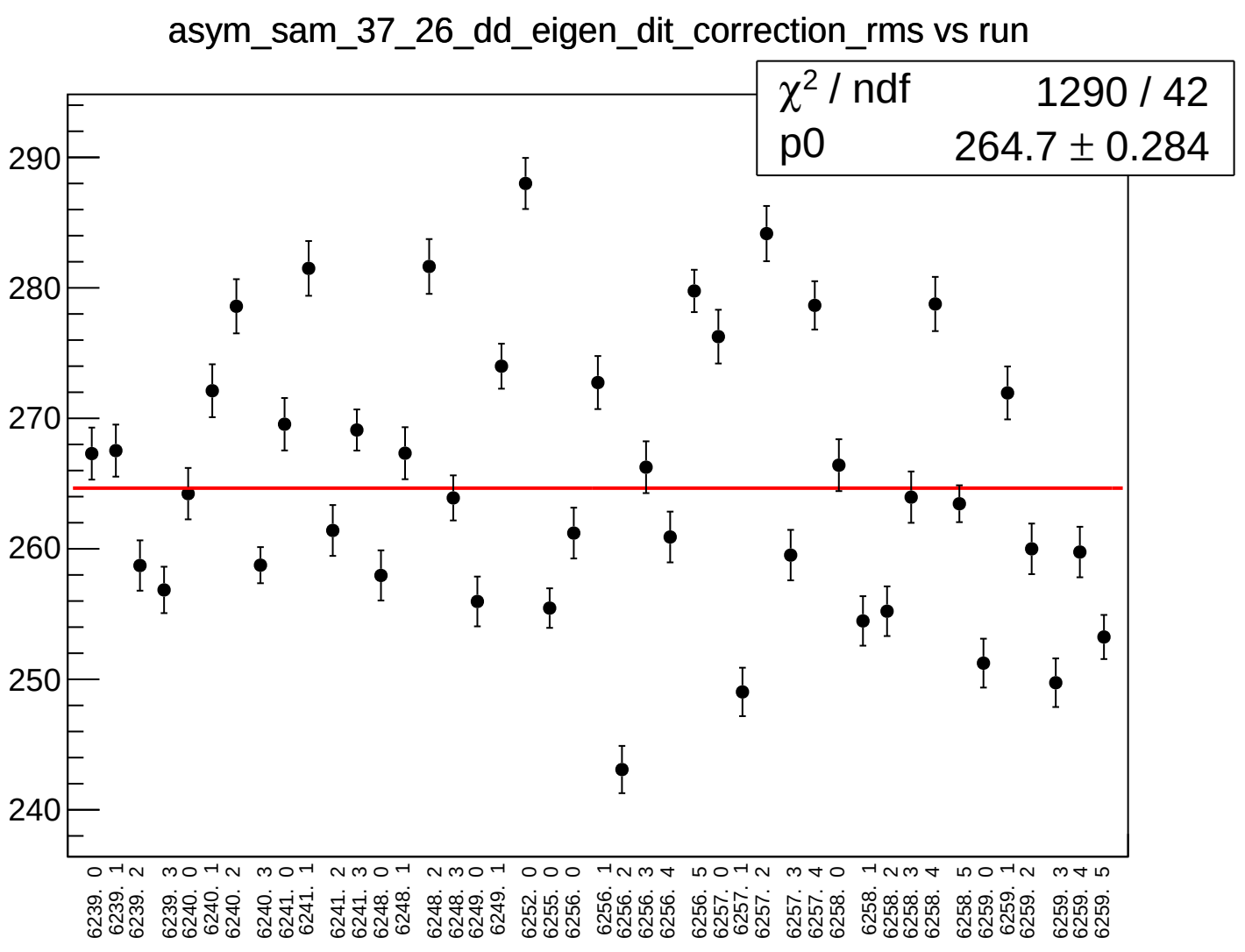

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1290 / 42
p0 264.7 ± 0.284
290
280
270
260
250
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

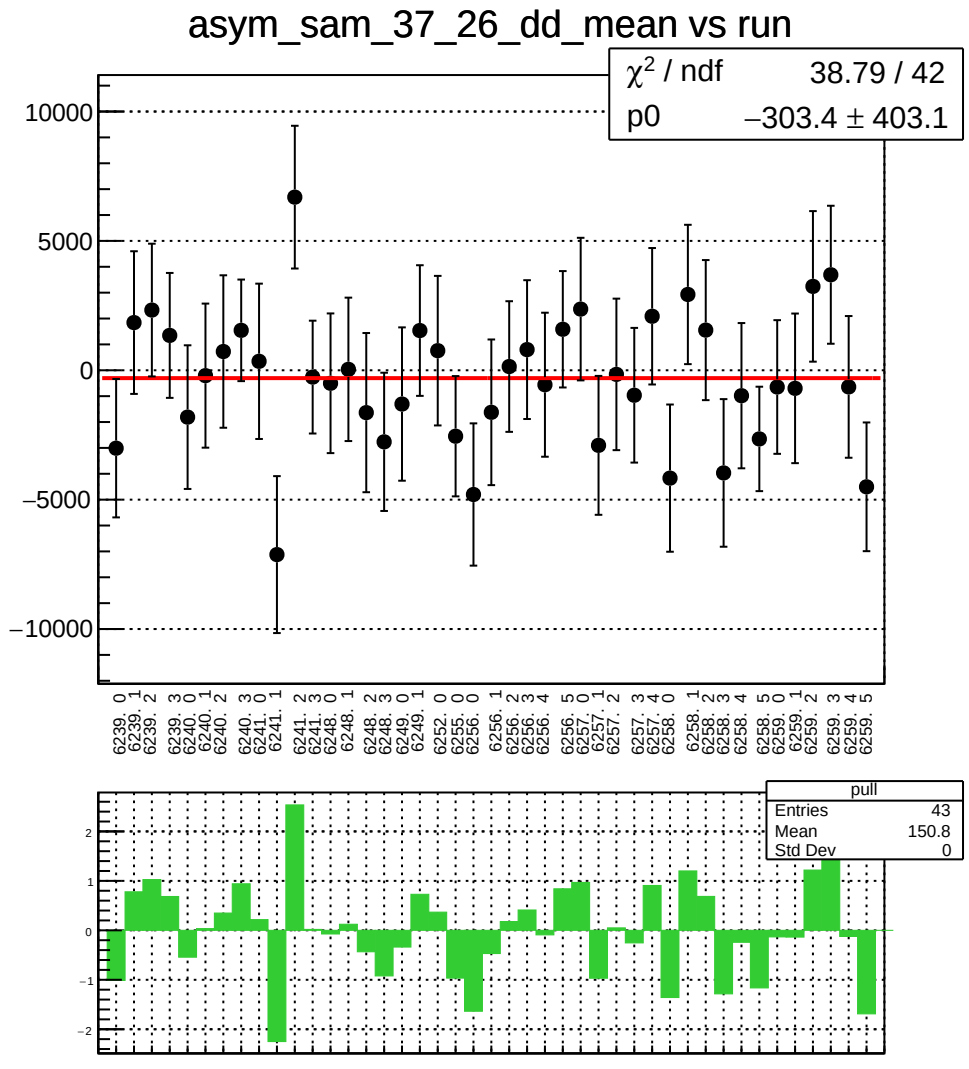

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 48.69 / 42
p0 −156 ± 88.92
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 50.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

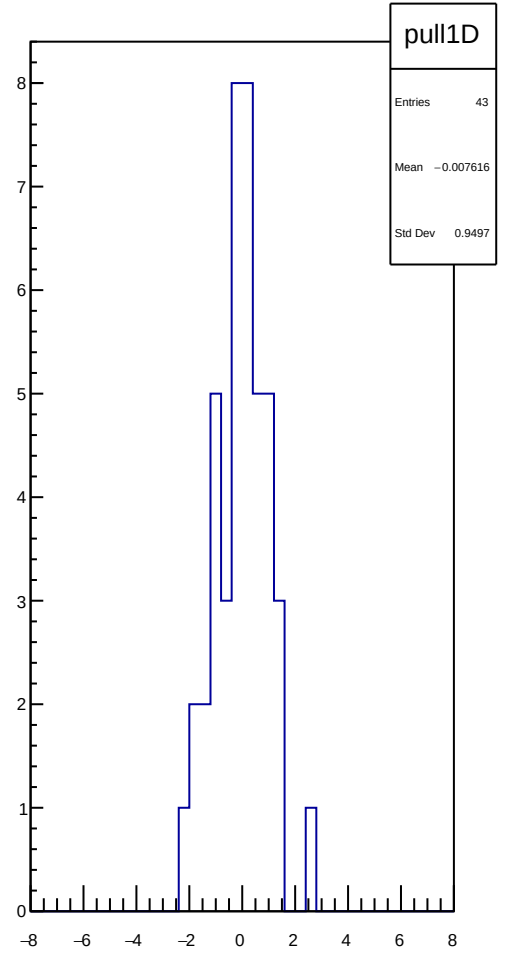

pull1D
Entries 43
Mean 0.03219
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

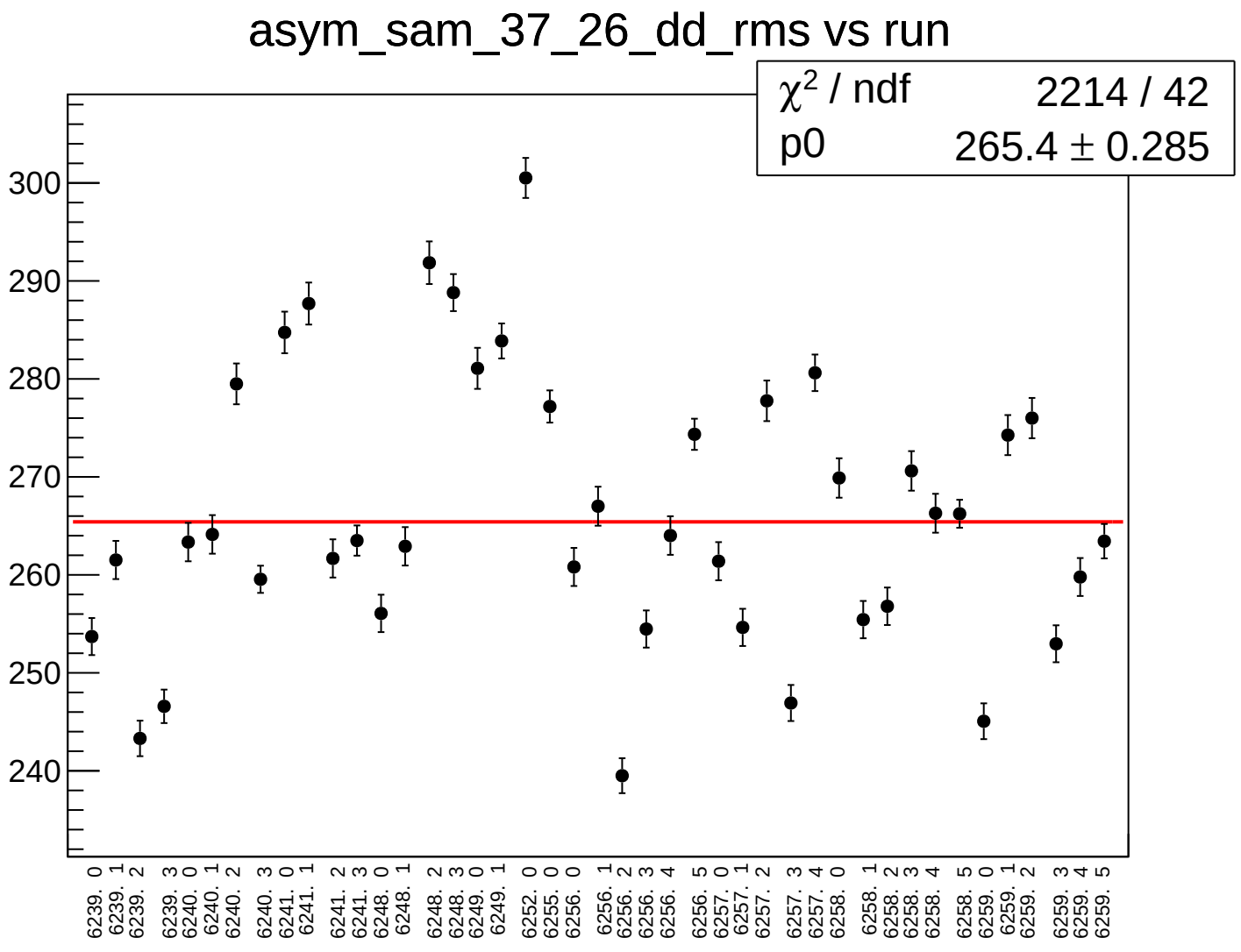

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 9474 / 42
p0 58.31 ± 0.06287
80
75
70
65
60
55
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

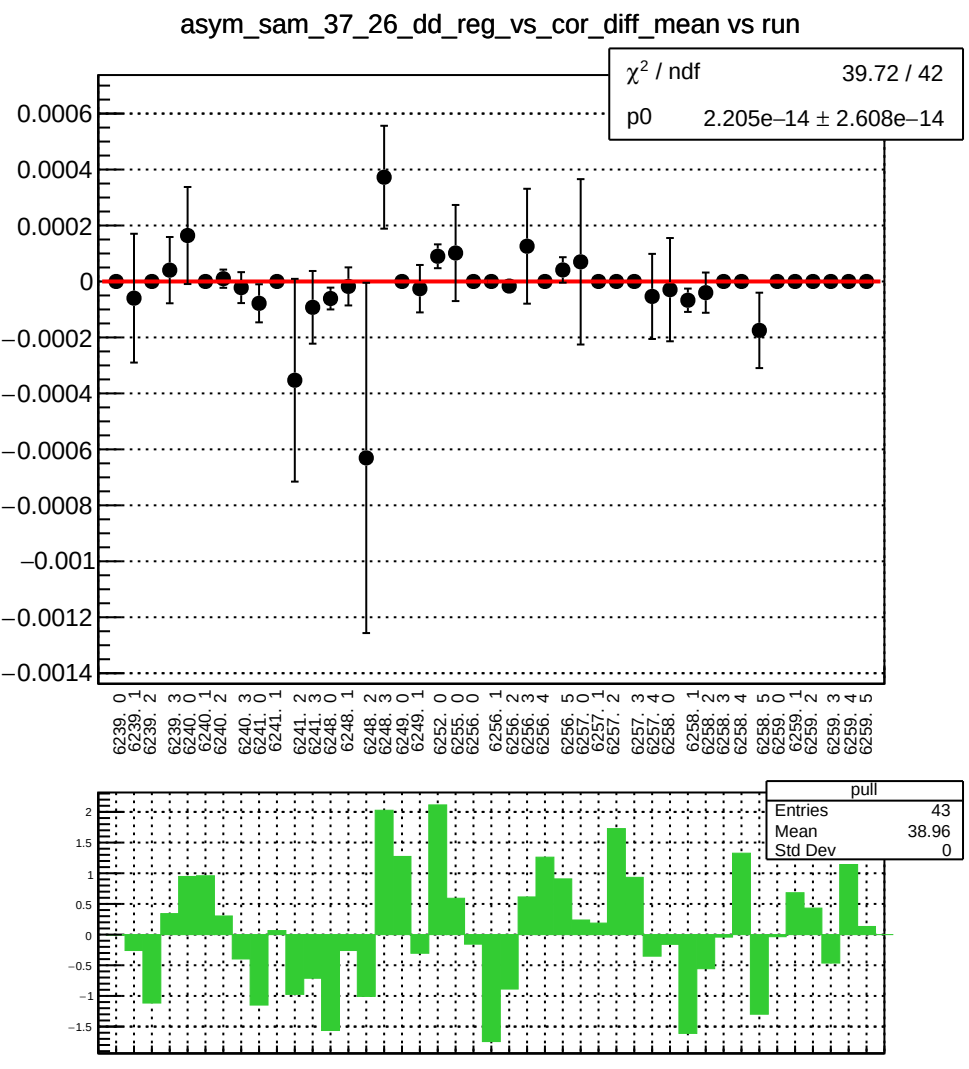

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.18 / 42
p0 205.8 ± 401.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 316.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.004058
Std Dev 0.9666
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

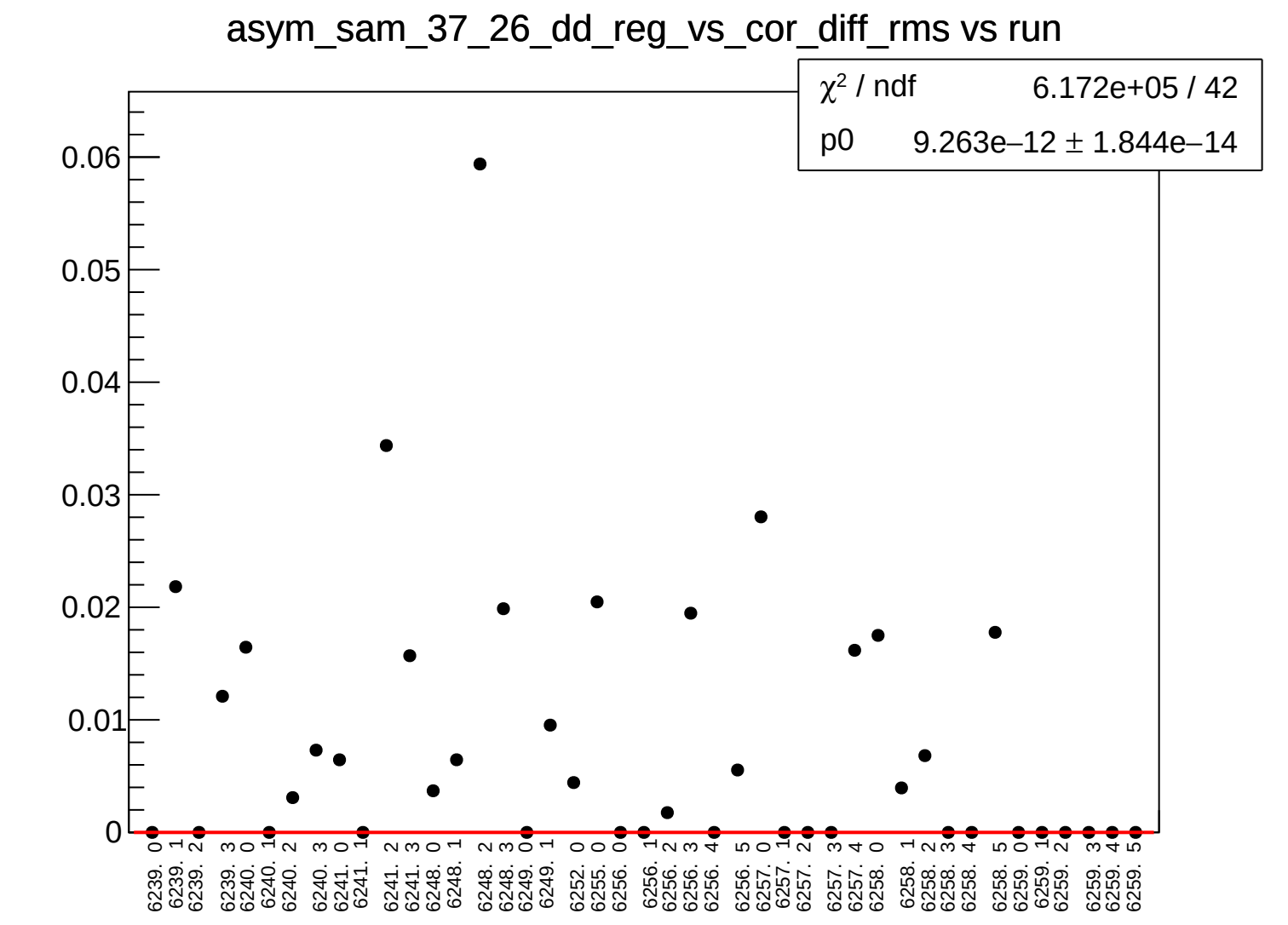

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1290 / 42
p0 264.7 ± 0.284
290
280
270
260
250
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

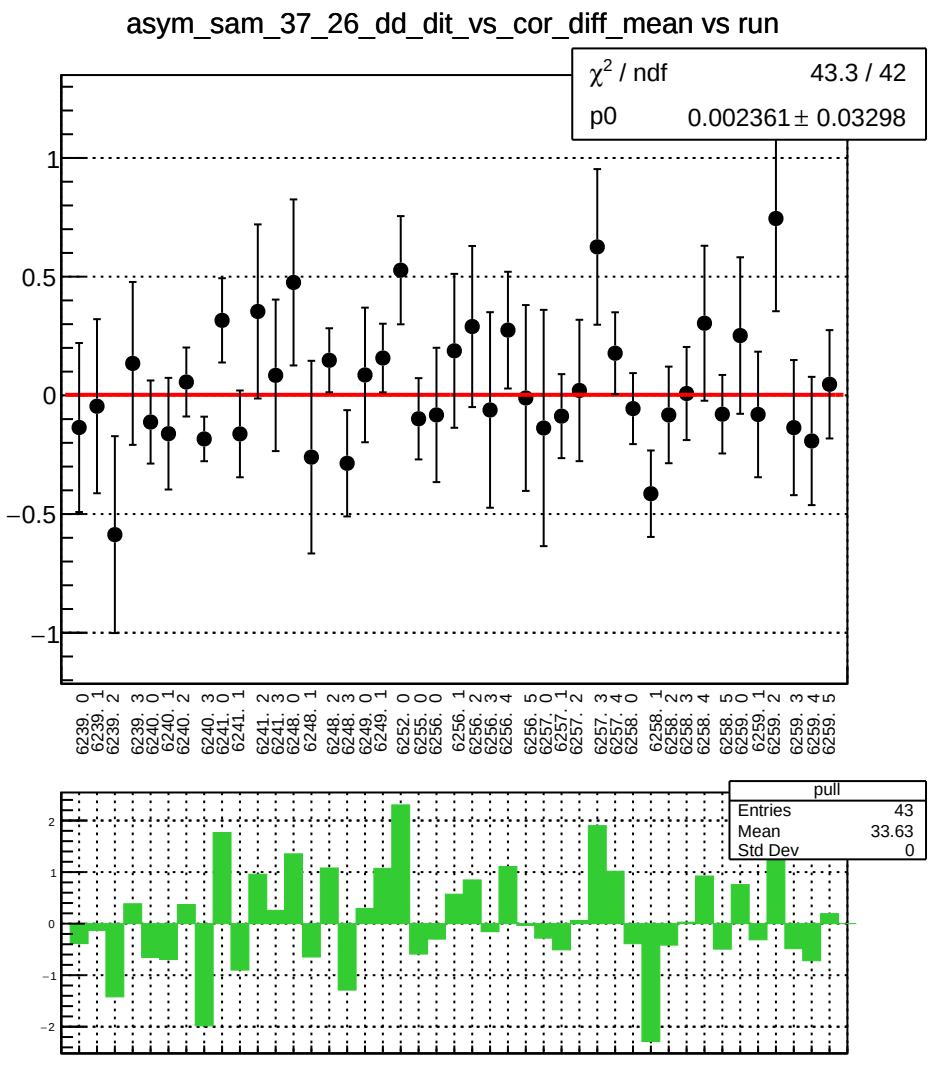

asym_sam_37_26_dd_mean vs run
χ² / ndf 38.79 / 42
p0 −303.4 ± 403.1
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 150.8
Std Dev 0
2
1
0
−1
−2

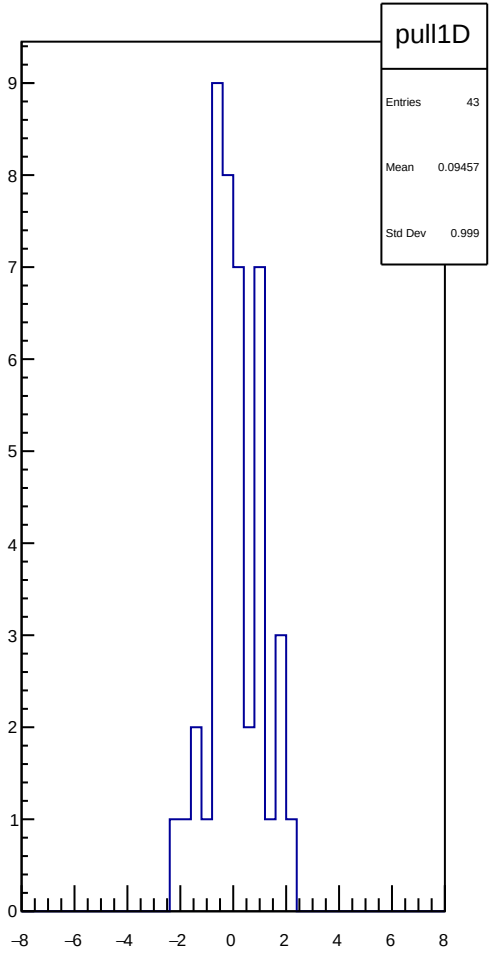

pull1D
Entries 43
Mean −0.007616
Std Dev 0.9497
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

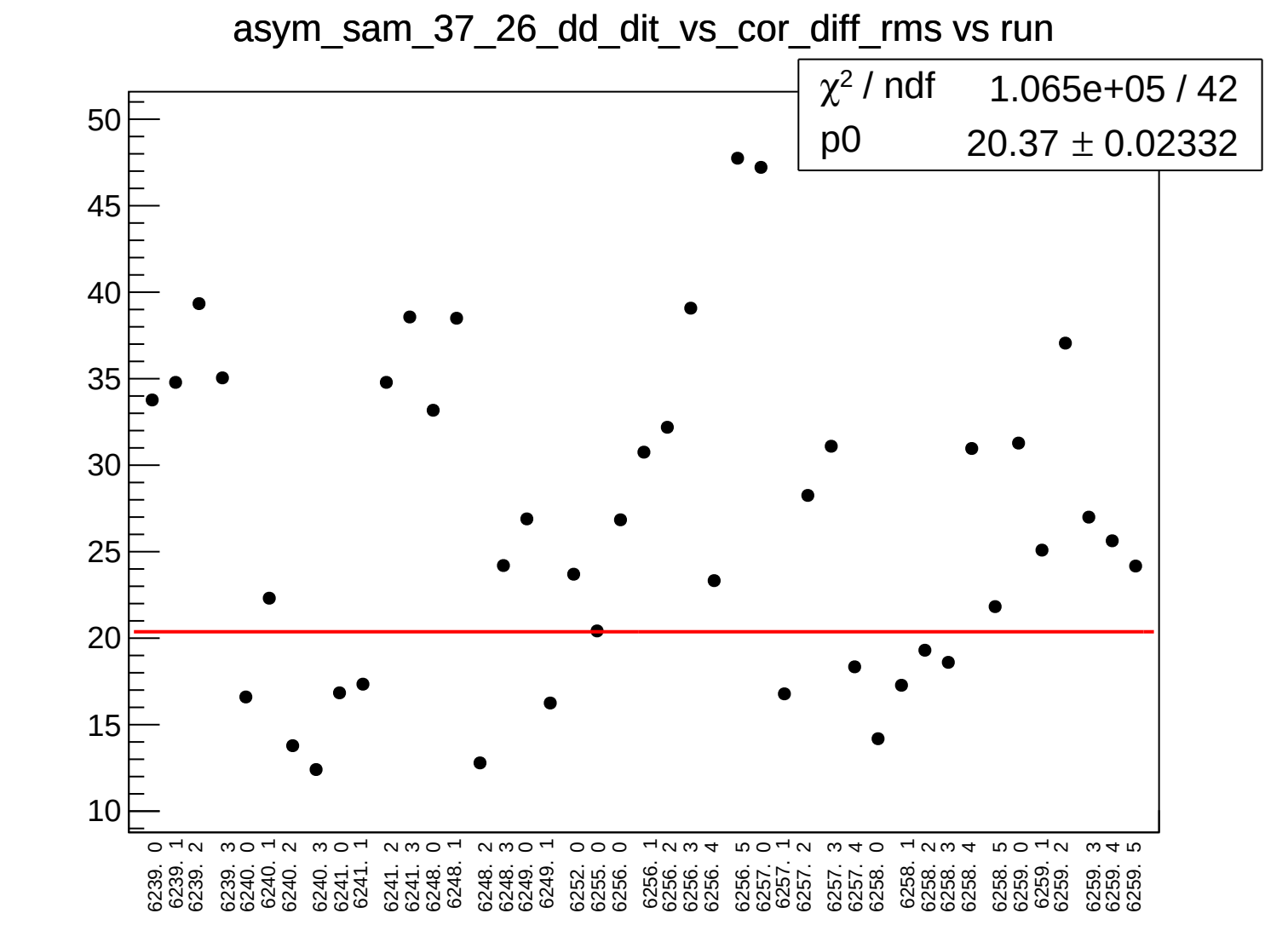

asym_sam_37_26_dd_rms vs run
χ² / ndf 2214 / 42
p0 265.4 ± 0.285
300
290
280
270
260
250
240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

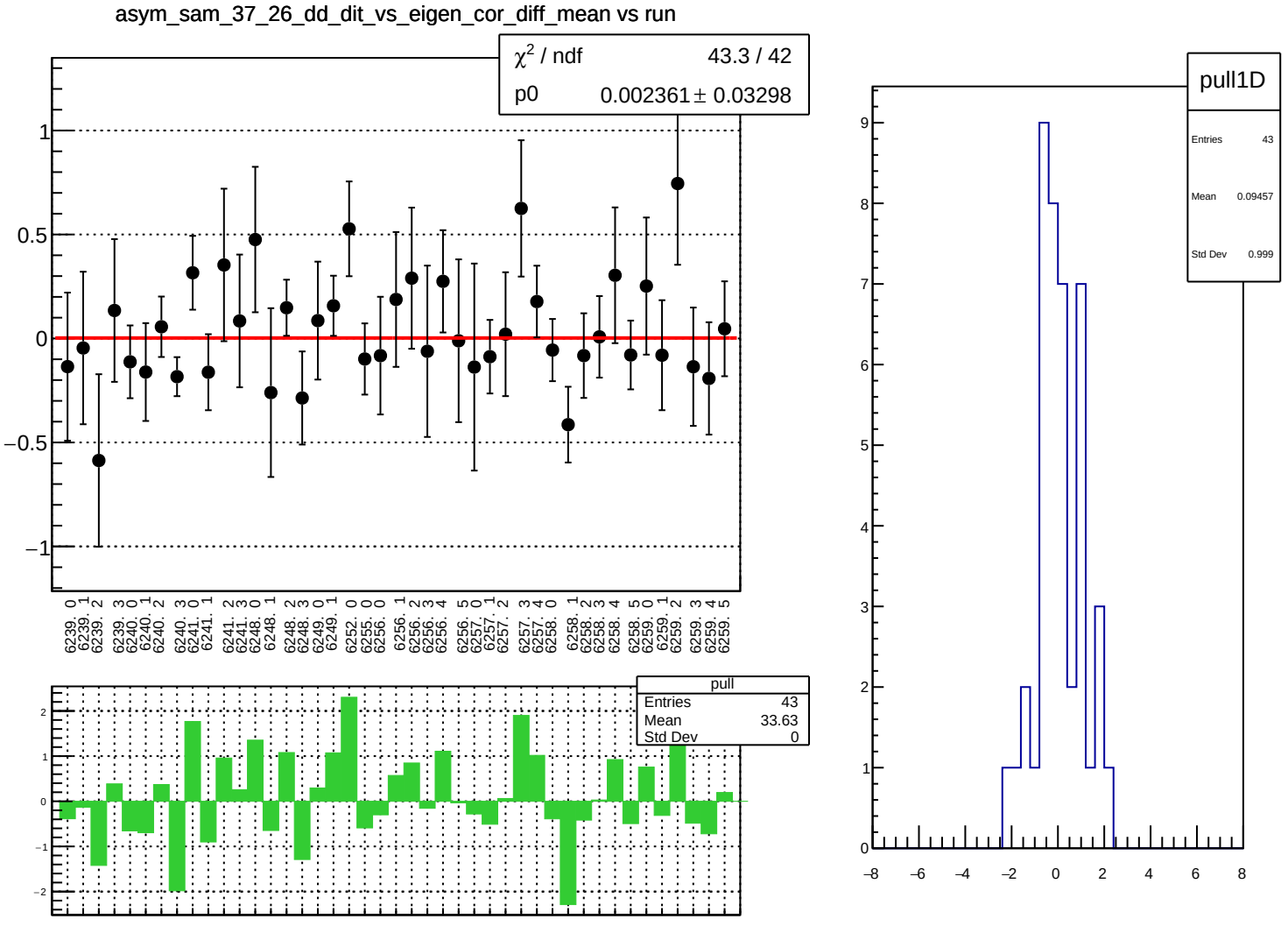

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.72 / 42
p0 2.205e−14 ± 2.608e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 38.96
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.07345
Std Dev 0.9583
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

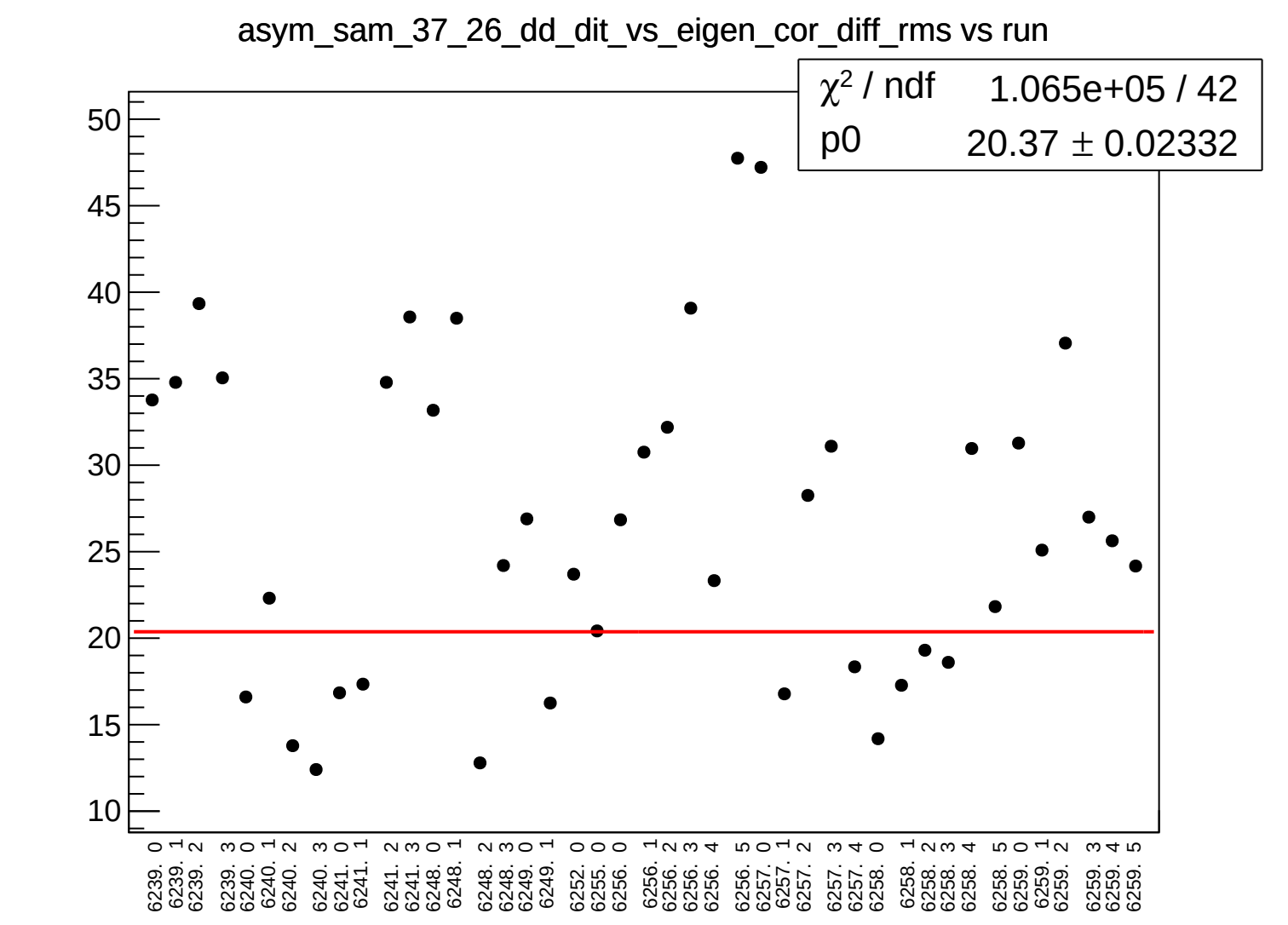

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.172e+05 / 42
p0 9.263e−12 ± 1.844e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

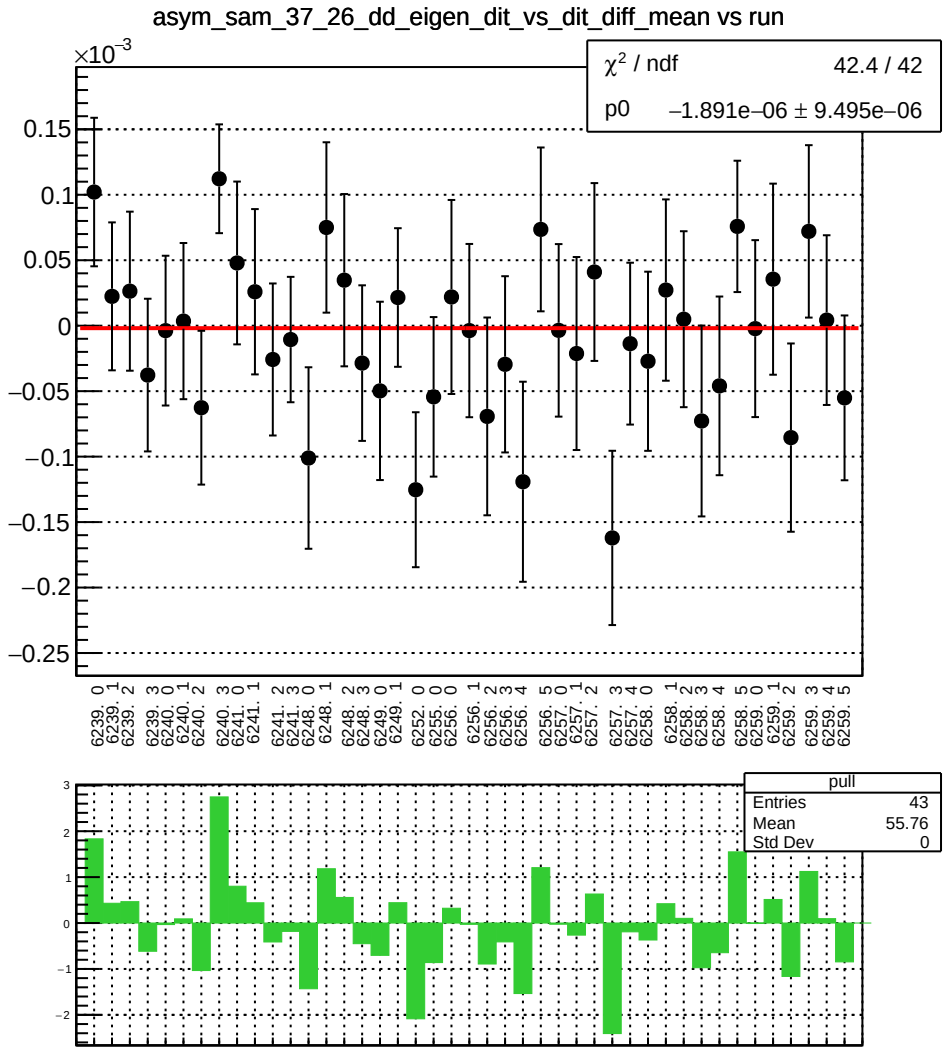

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.3 / 42
p0 0.002361 ± 0.03298
pull
Entries 43
Mean 33.63
Std Dev 0

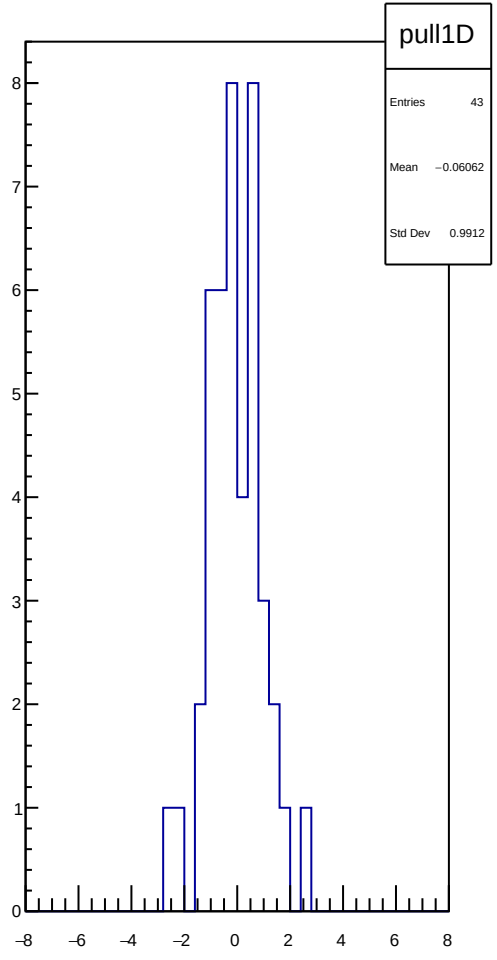

pull1D
Entries 43
Mean 0.09457
Std Dev 0.999

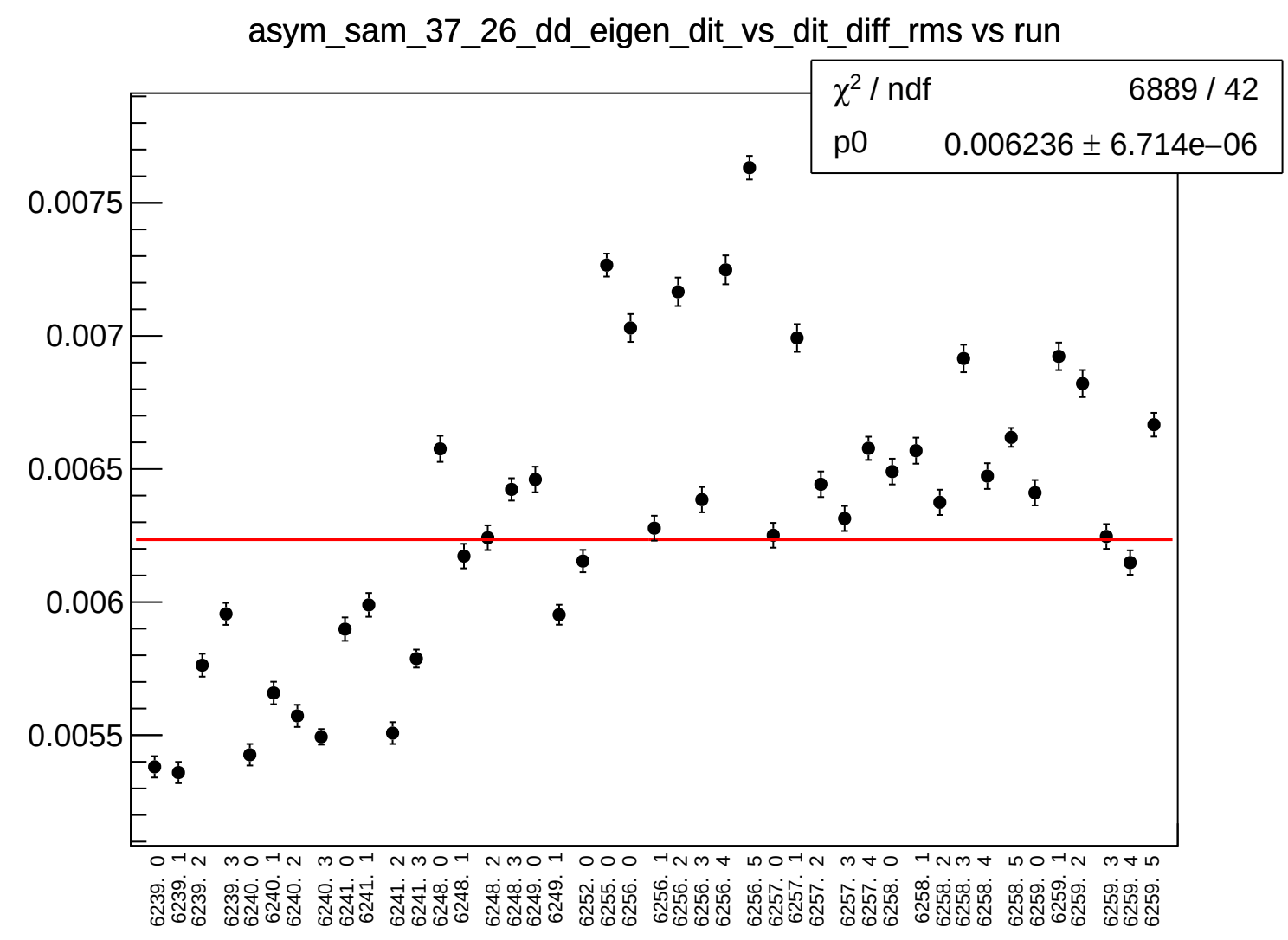

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 42
p0 20.37 ± 0.02332
50
45
40
35
30
25
20
15
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

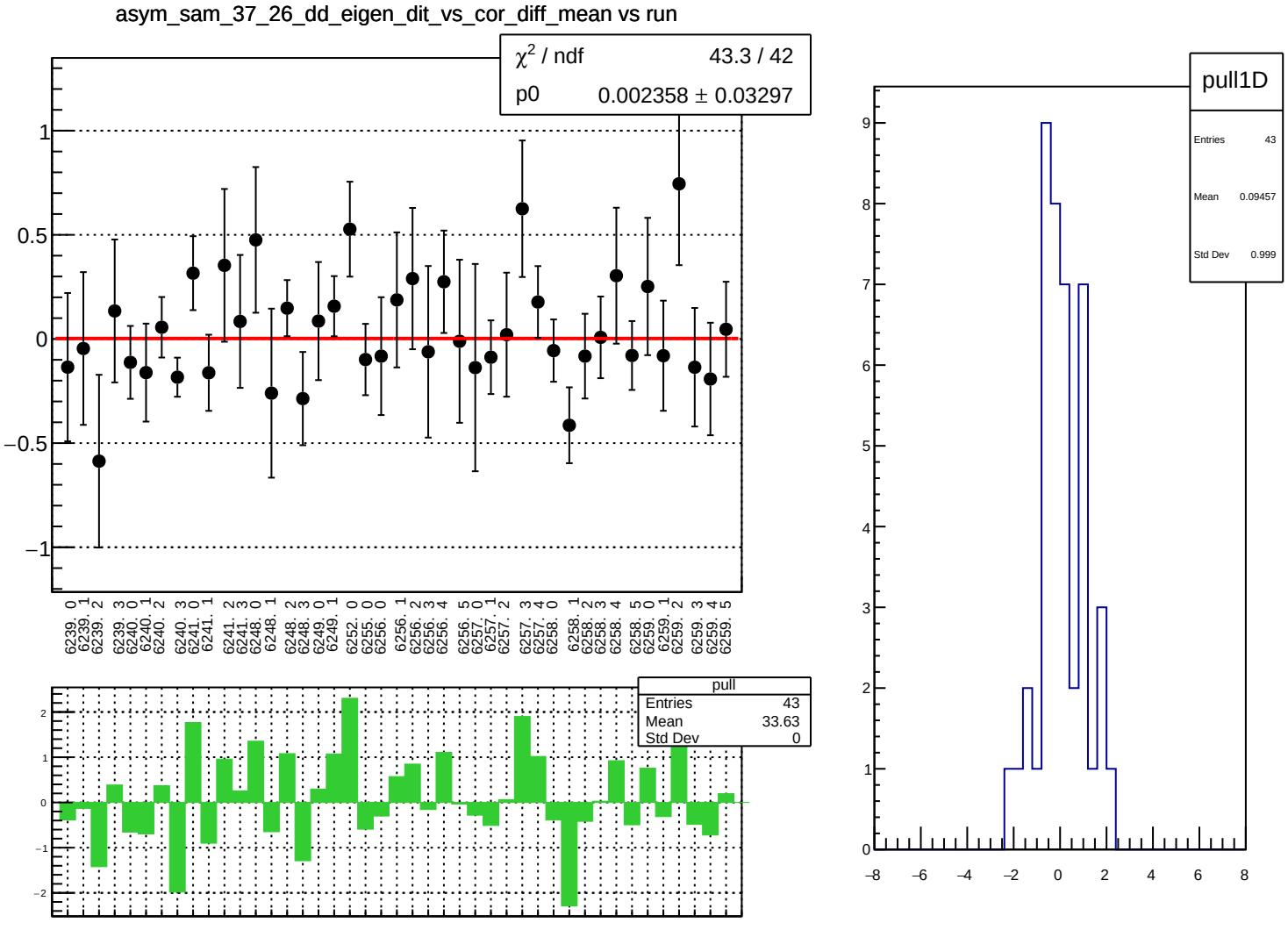

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.3 / 42
p0 0.002361 ± 0.03298
1
0.5
0
−0.5
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 33.63
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.09457
Std Dev 0.999
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

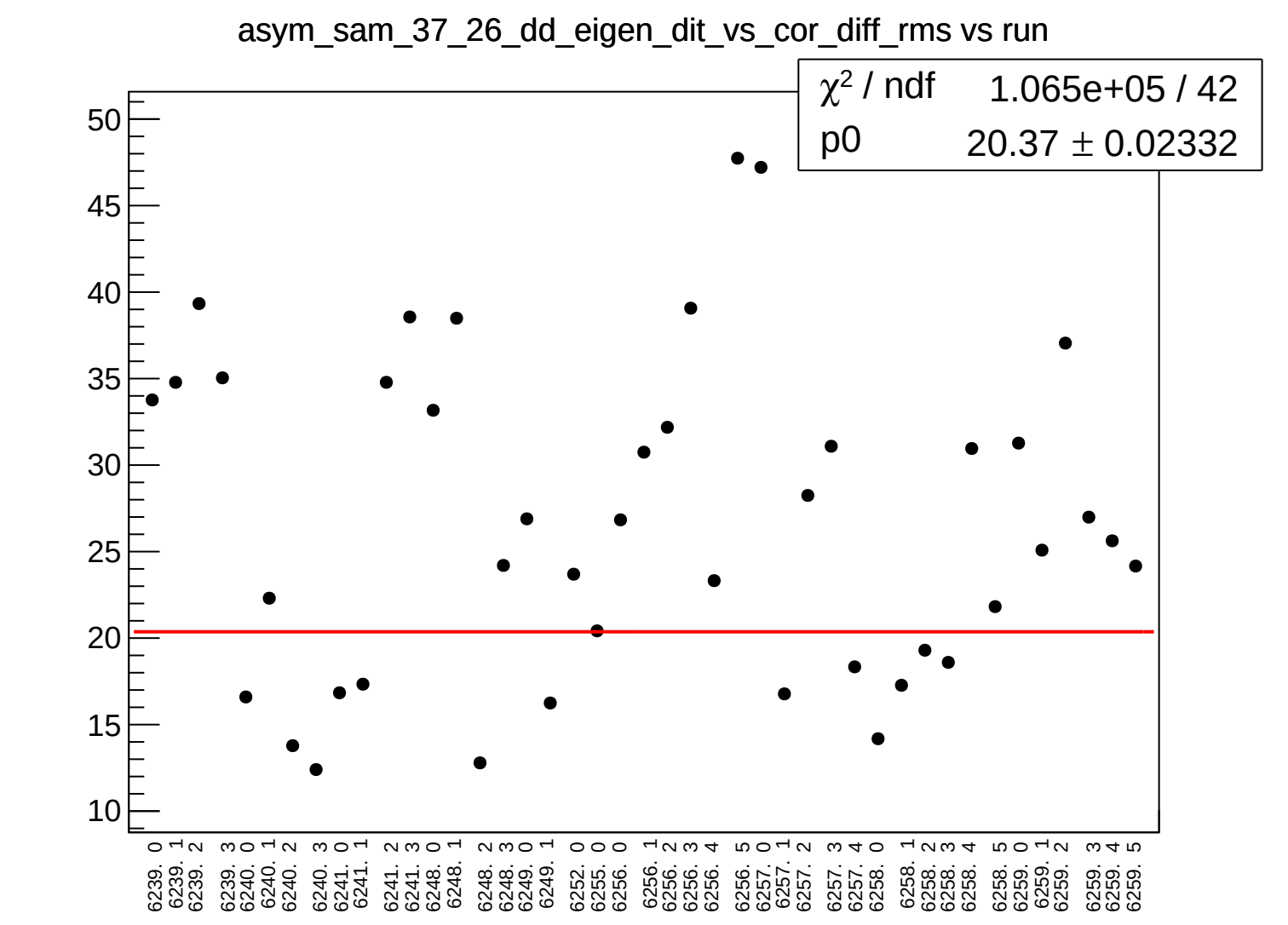

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 42
p0 20.37 ± 0.02332
50
45
40
35
30
25
20
15
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

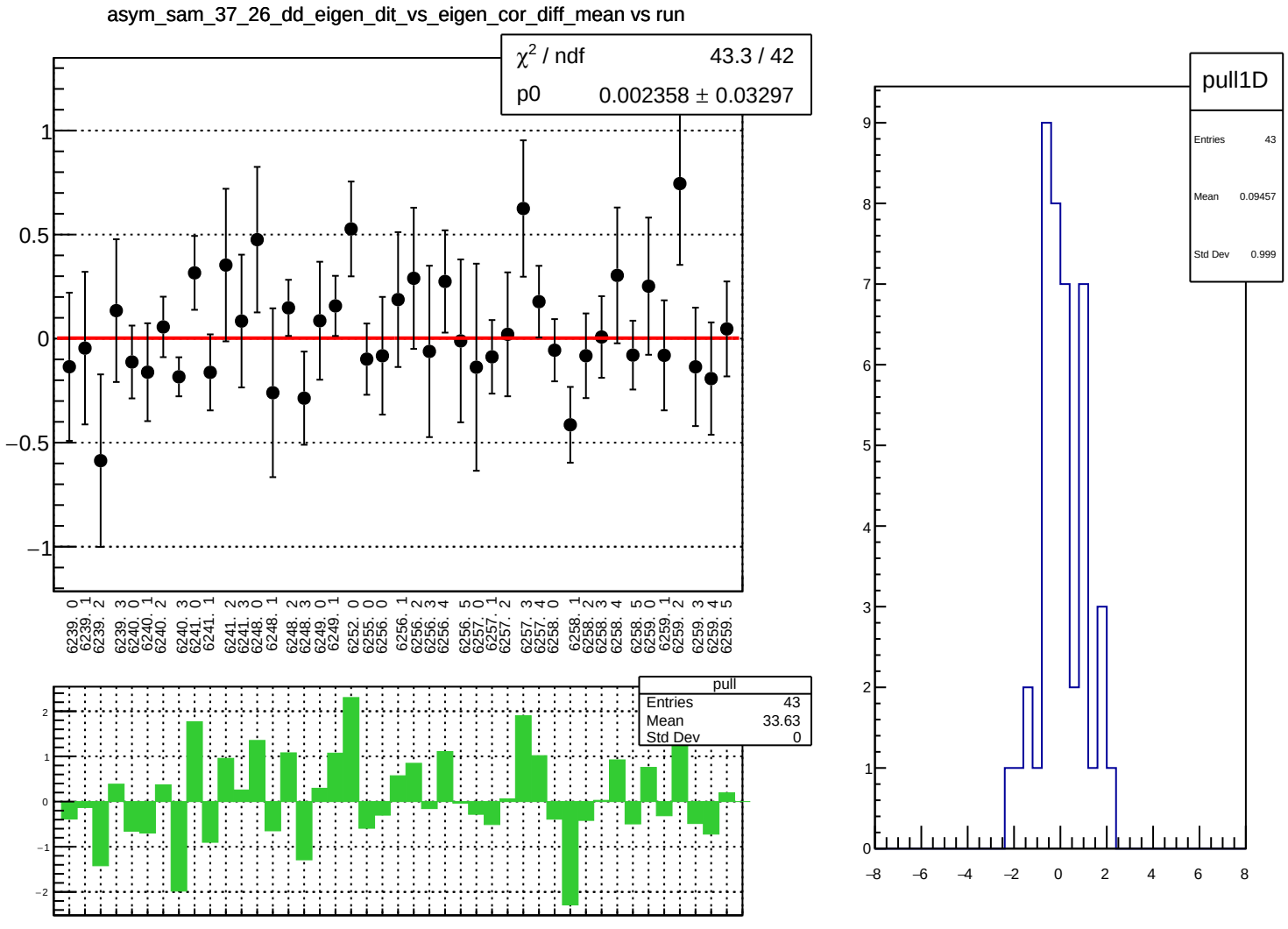

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.4 / 42
p0 −1.891e−06 ± 9.495e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 55.76
Std Dev 0
3
2
1
0
−1
−2

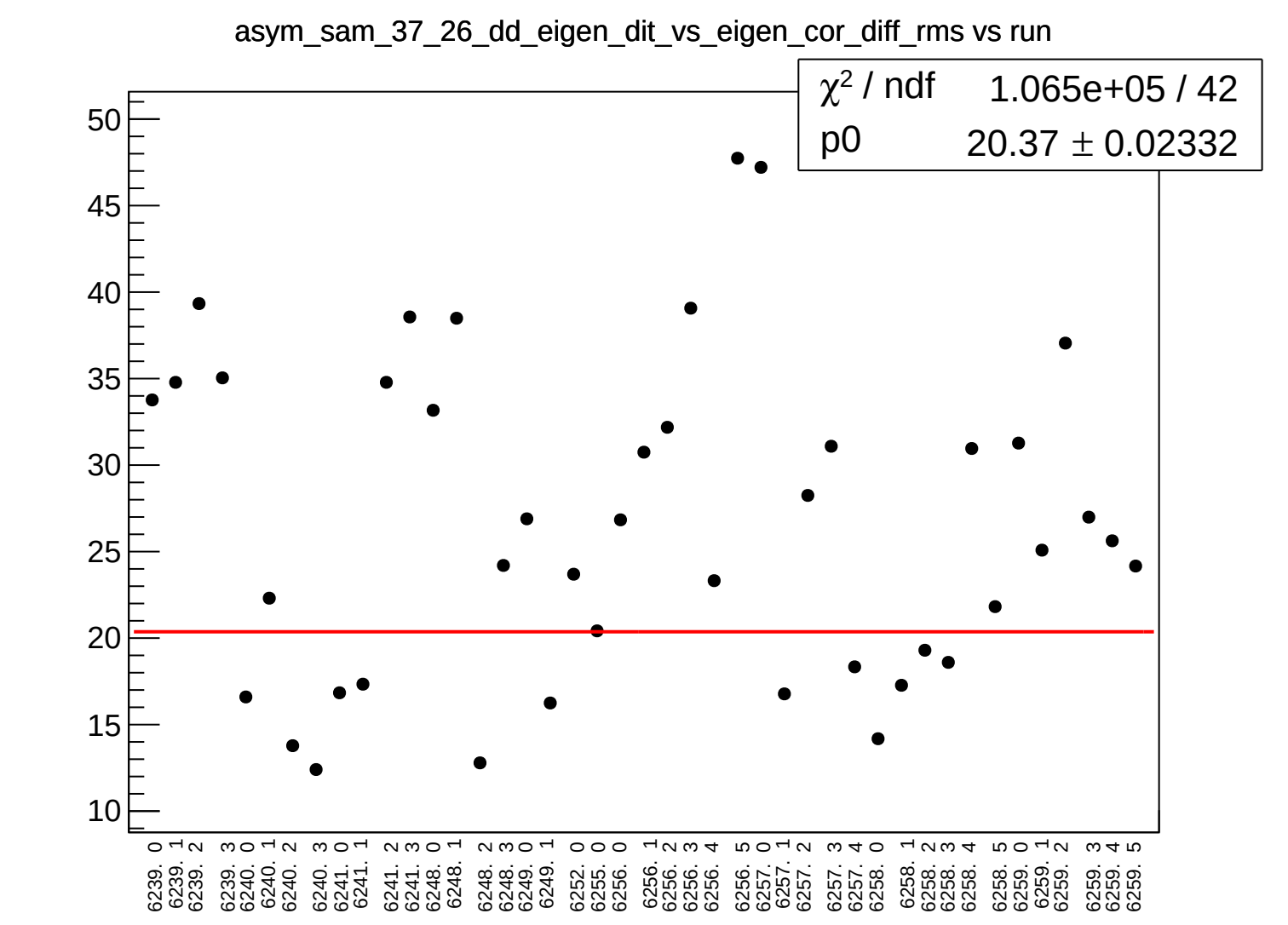

pull1D
Entries 43
Mean −0.06062
Std Dev 0.9912
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

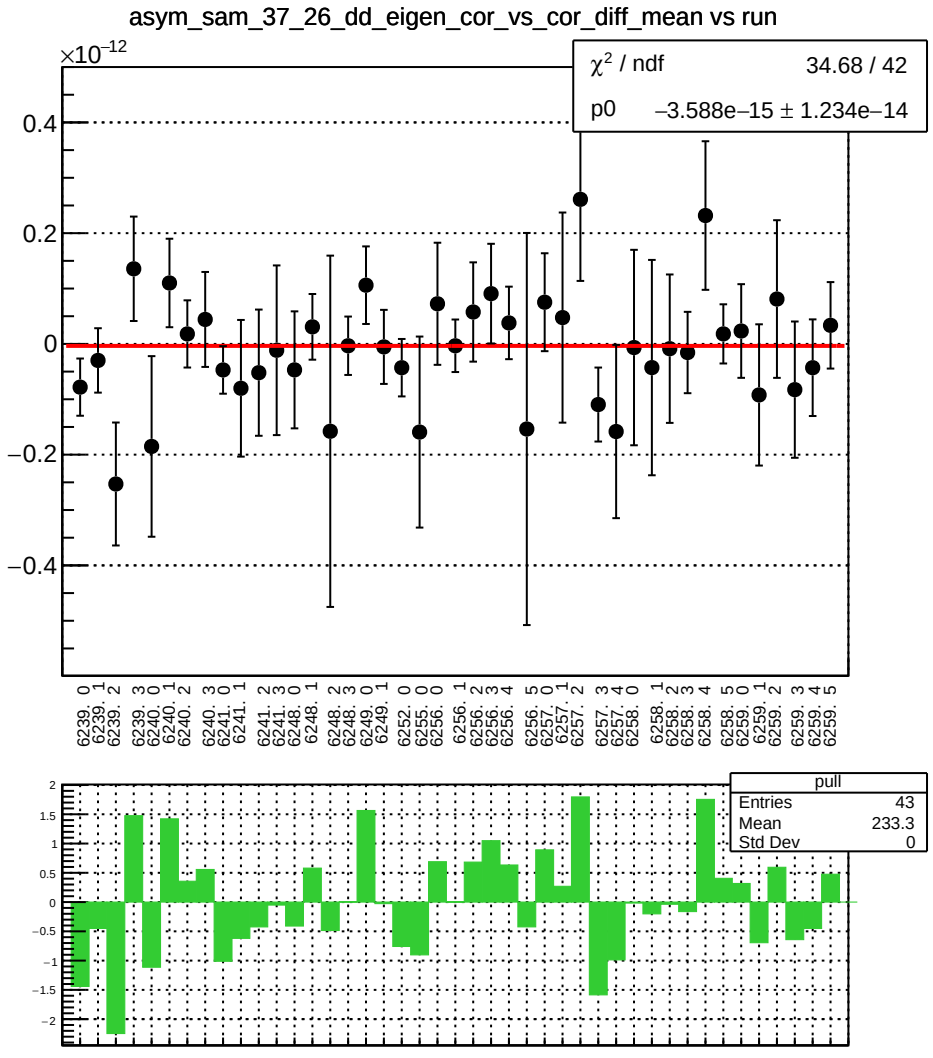

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6889 / 42
p0 0.006236 ± 6.714e−06
0.0075
0.007
0.0065
0.006
0.0055
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

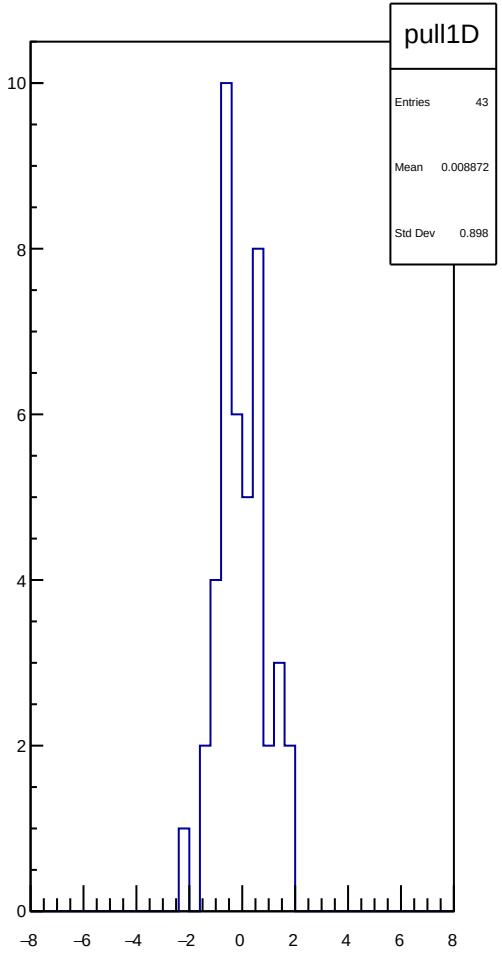

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.3 / 42
p0 0.002358 ± 0.03297
pull
Entries 43
Mean 33.63
Std Dev 0
pull1D
Entries 43
Mean 0.09457
Std Dev 0.999

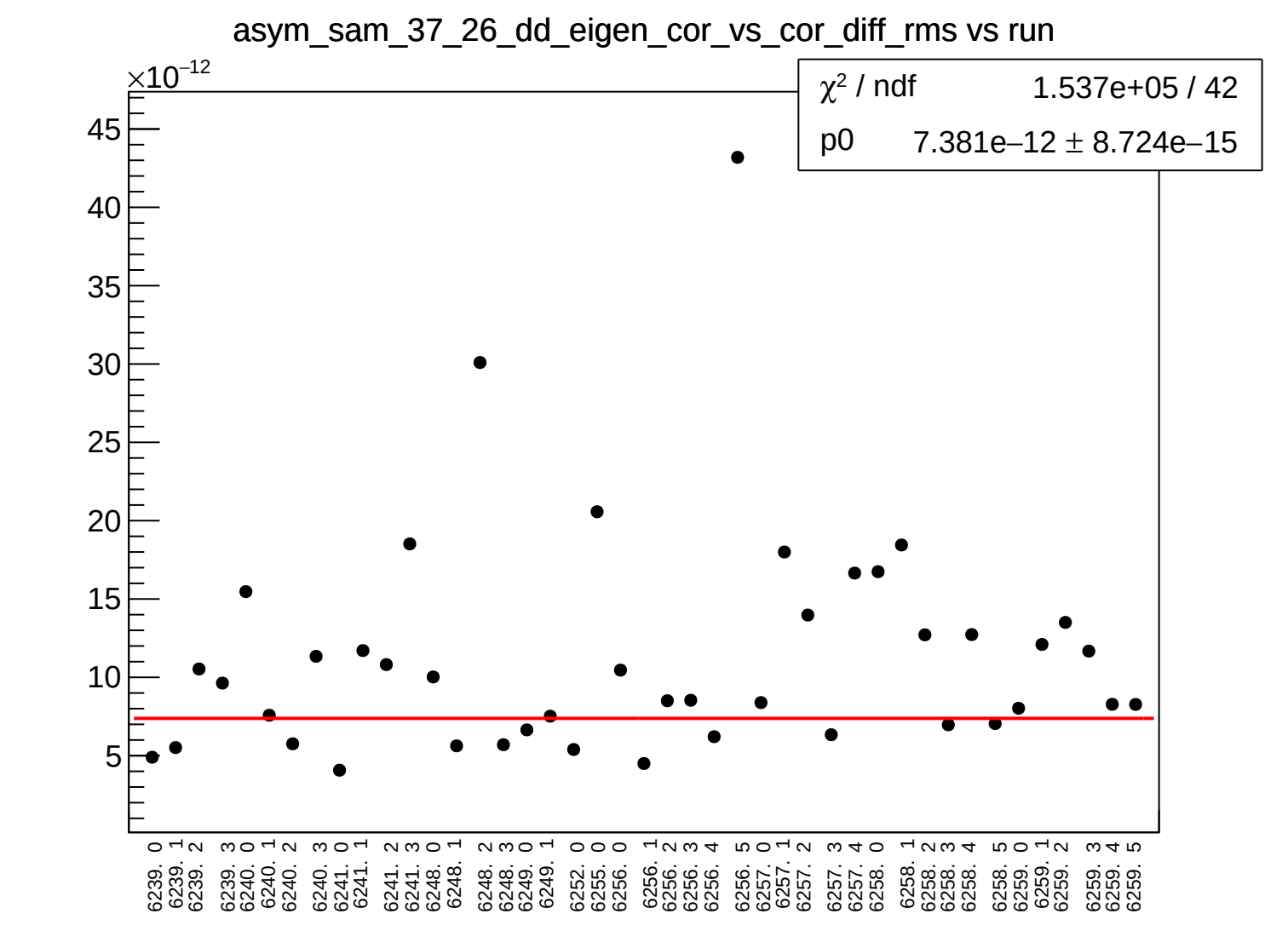

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 42
p0 20.37 ± 0.02332
50
45
40
35
30
25
20
15
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

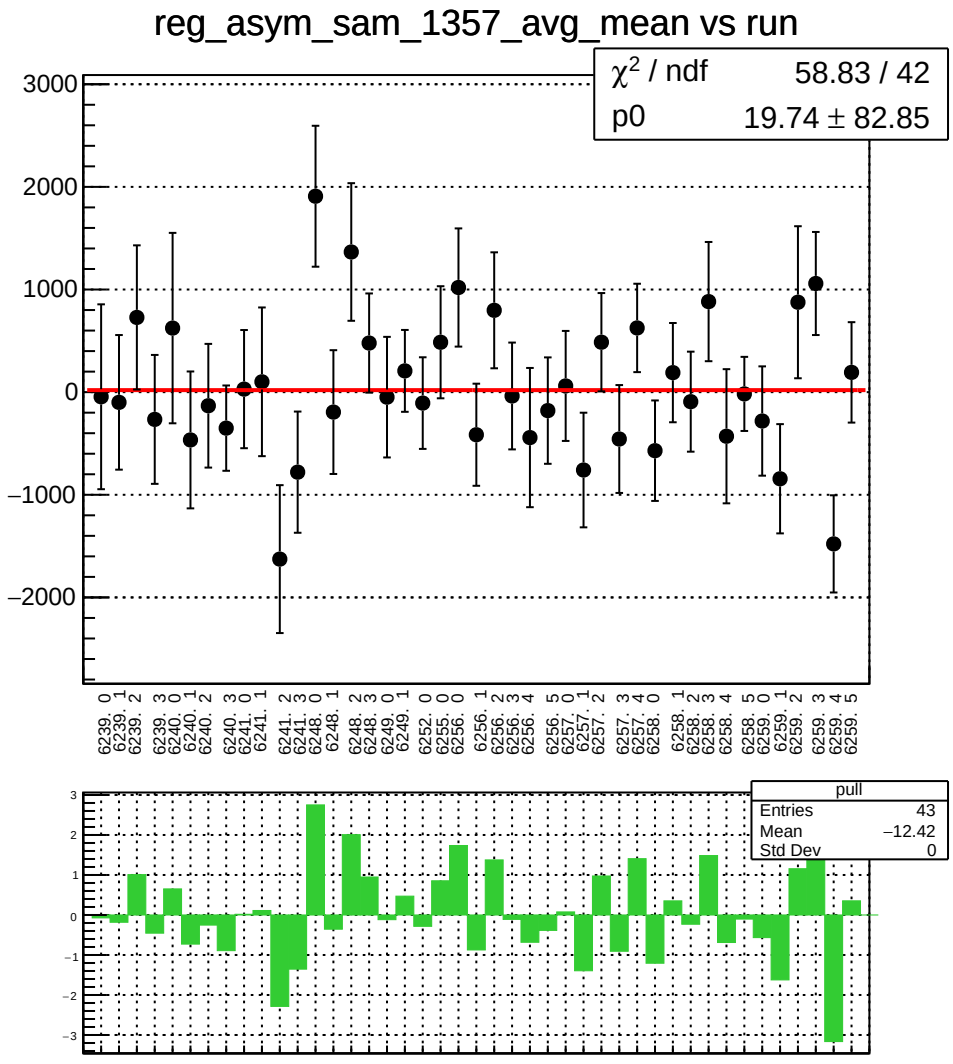

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.3 / 42
p0 0.002358 ± 0.03297
pull
Entries 43
Mean 33.63
Std Dev 0
pull1D
Entries 43
Mean 0.09457
Std Dev 0.999

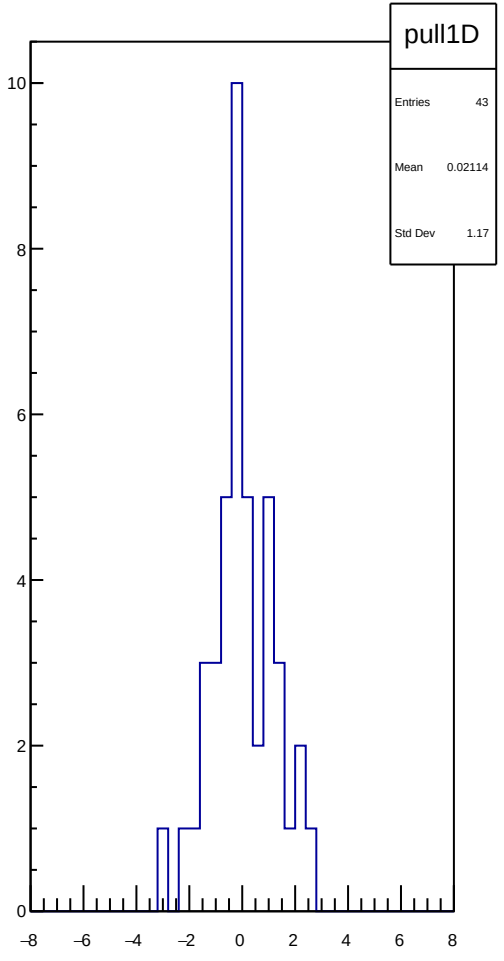

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.065e+05 / 42
p0 20.37 ± 0.02332
50
45
40
35
30
25
20
15
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

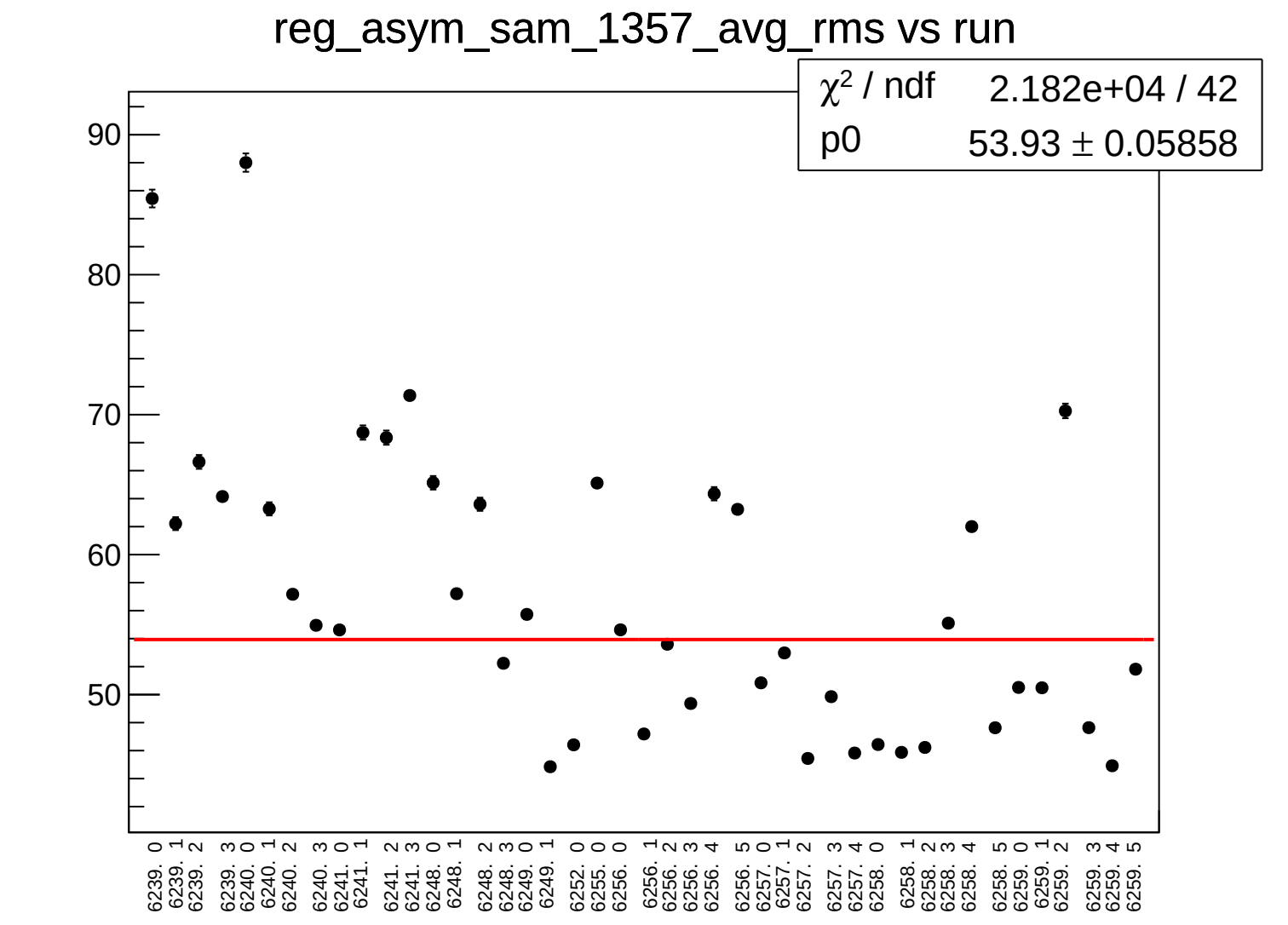

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.68 / 42
p0 −3.588e−15 ± 1.234e−14
0.4
0.2
0
−0.2
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 233.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

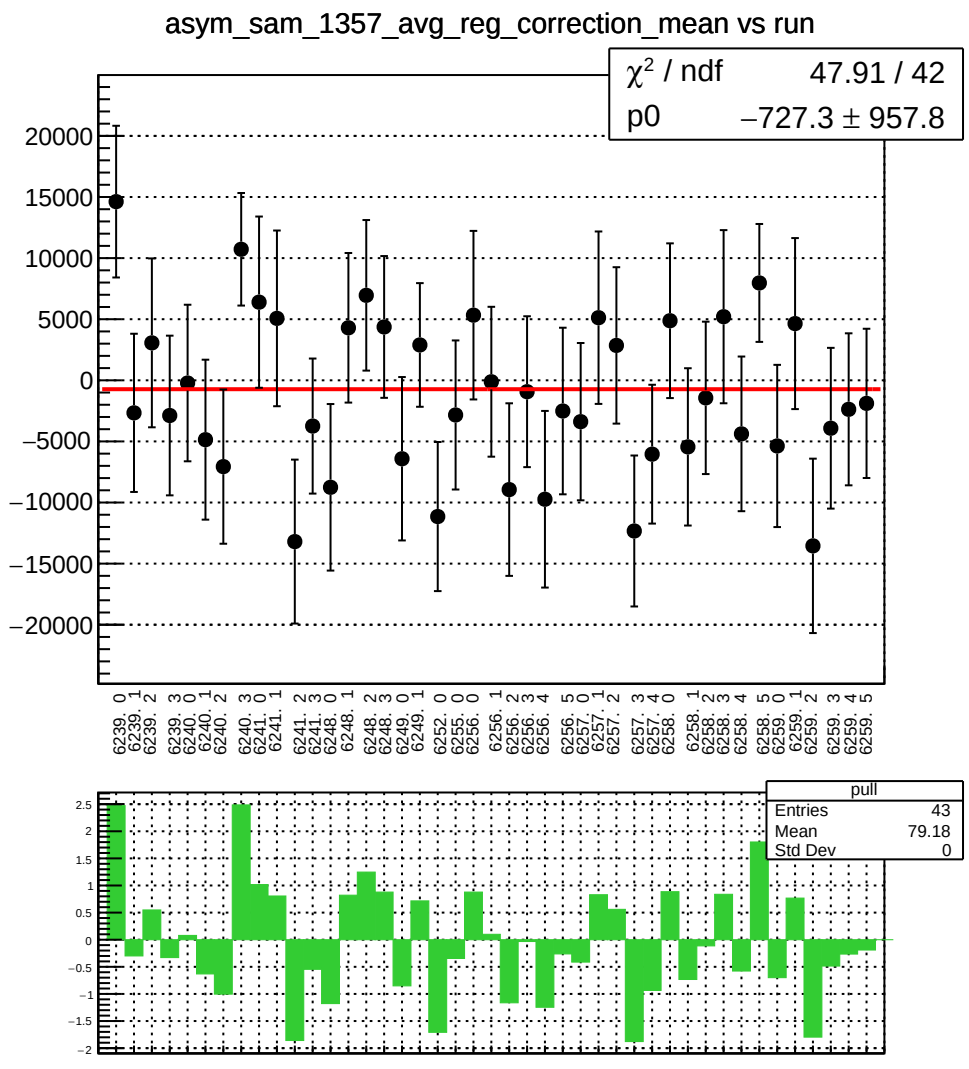

pull1D
Entries 43
Mean 0.008872
Std Dev 0.898
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

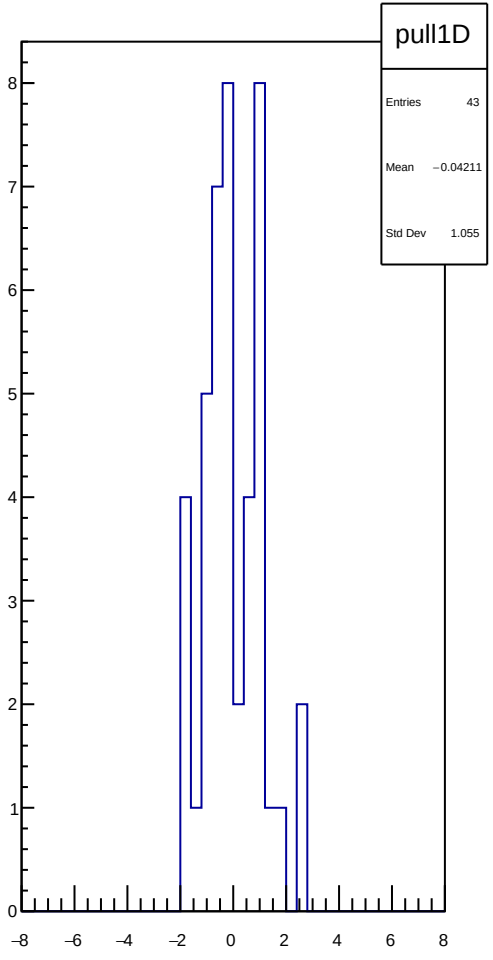

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.537e+05 / 42
p0 7.381e−12 ± 8.724e−15
45
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

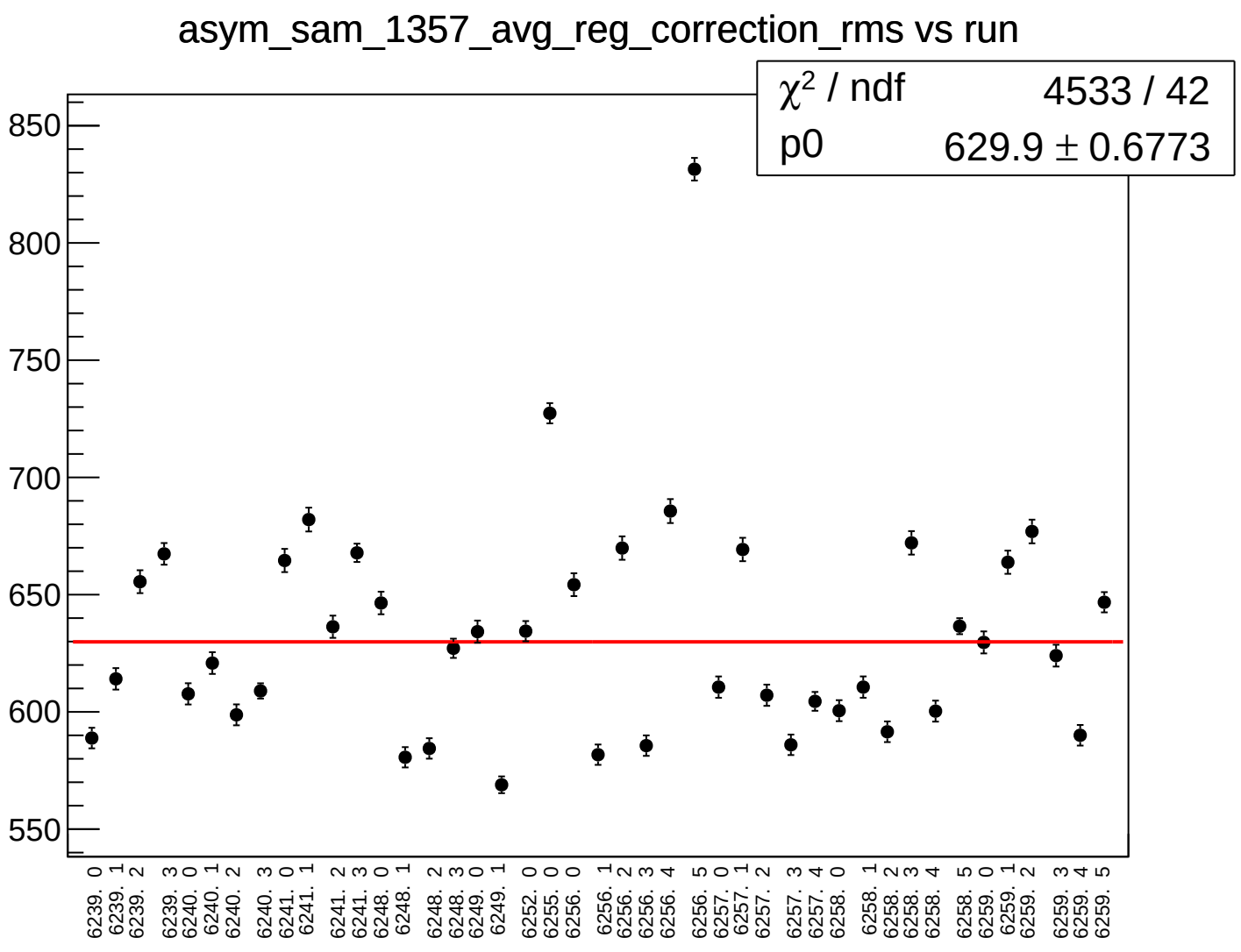

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 58.83 / 42
p0 19.74 ± 82.85
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −12.42
Std Dev 0
3
2
1
0
−1
−2
−3

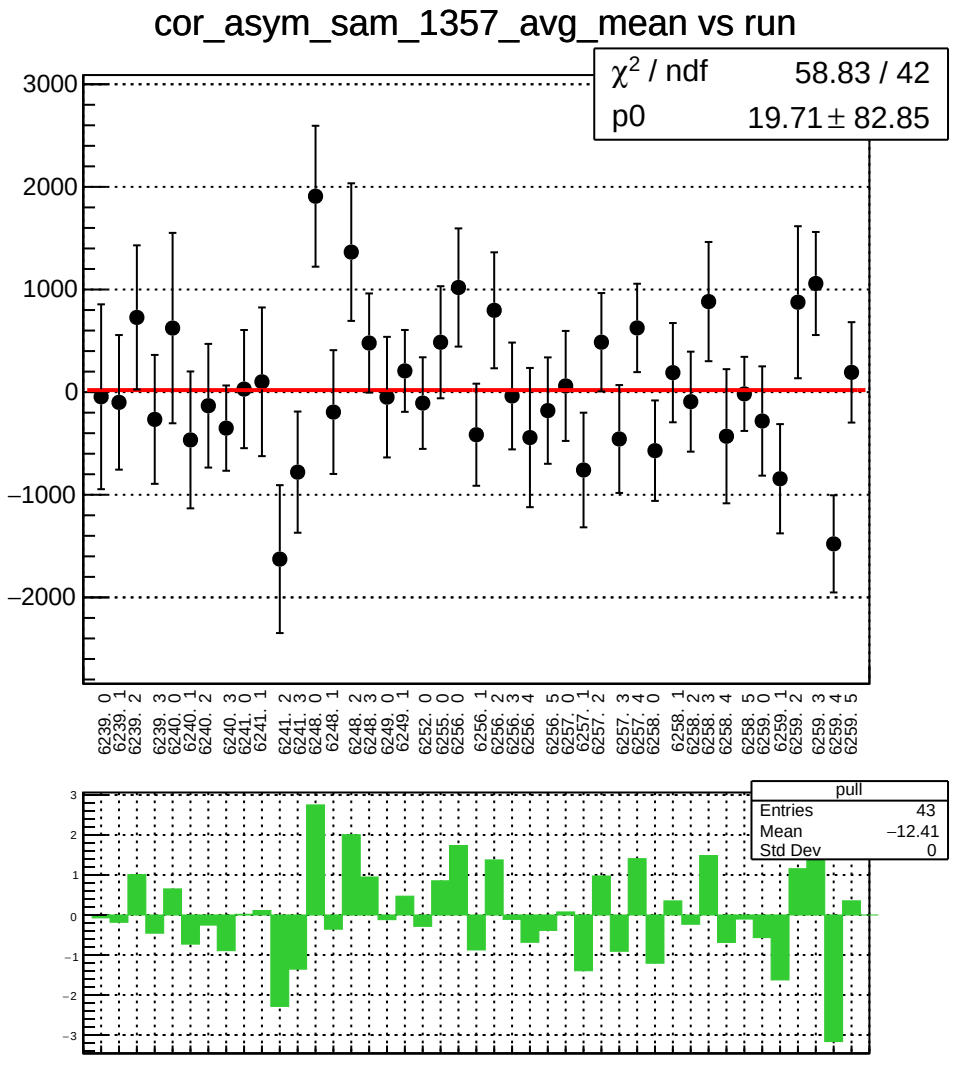

pull1D
Entries 43
Mean 0.02114
Std Dev 1.17
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

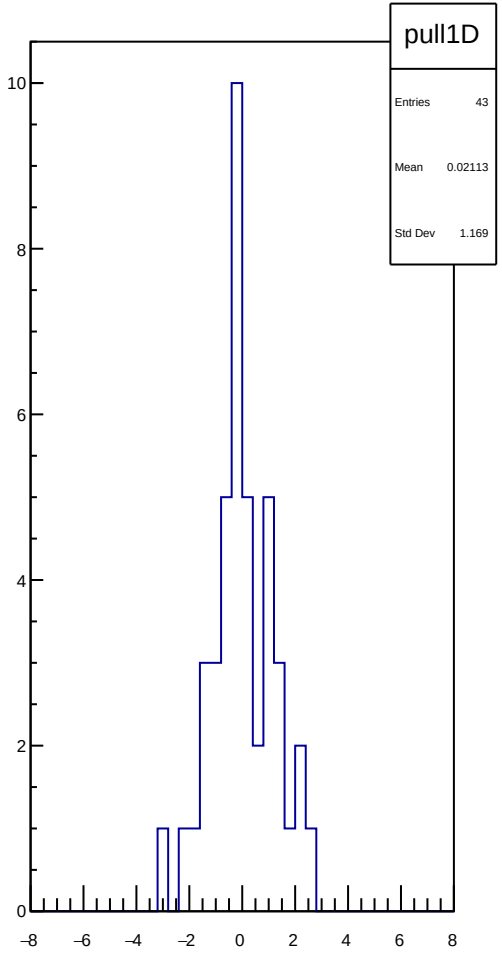

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 2.182e+04 / 42
p0 53.93 ± 0.05858
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

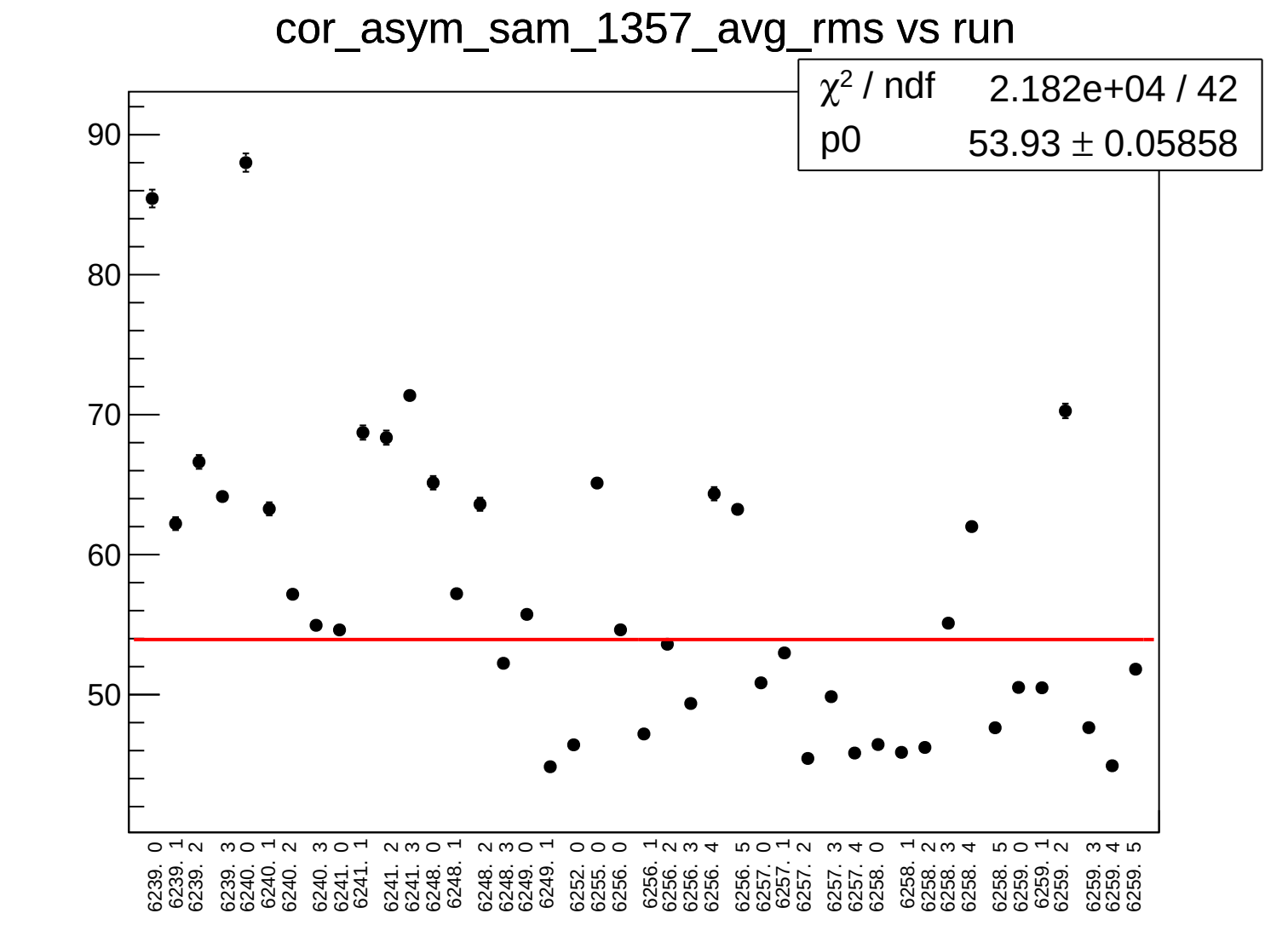

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 47.91 / 42
p0 −727.3 ± 957.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

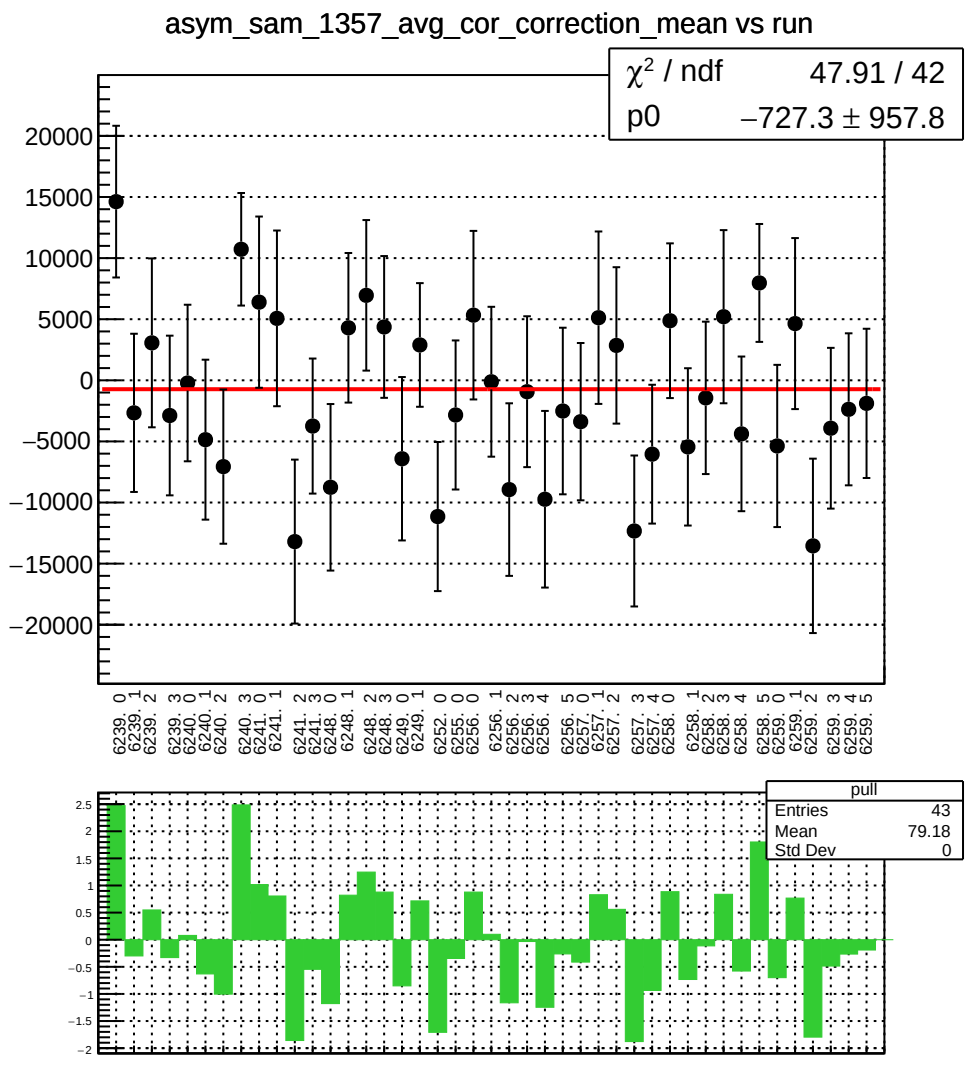

pull1D
Entries 43
Mean −0.04211
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

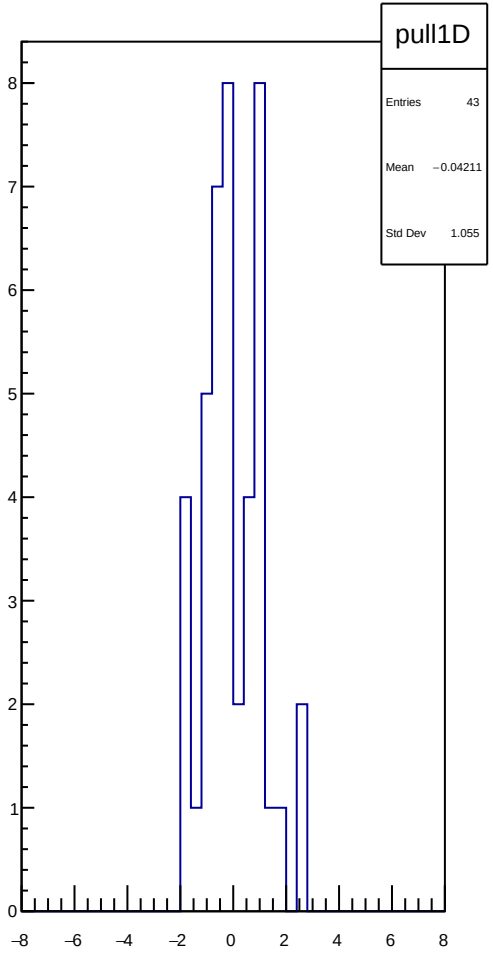

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 4533 / 42
p0 629.9 ± 0.6773
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


cor_asym_sam_1357_avg_mean vs run
χ² / ndf 58.83 / 42
p0 19.71 ± 82.85
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −12.41
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.02113
Std Dev 1.169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1357_avg_rms vs run
χ² / ndf 2.182e+04 / 42
p0 53.93 ± 0.05858
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 47.91 / 42
p0 −727.3 ± 957.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.04211
Std Dev 1.055
8
7
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5
4
3
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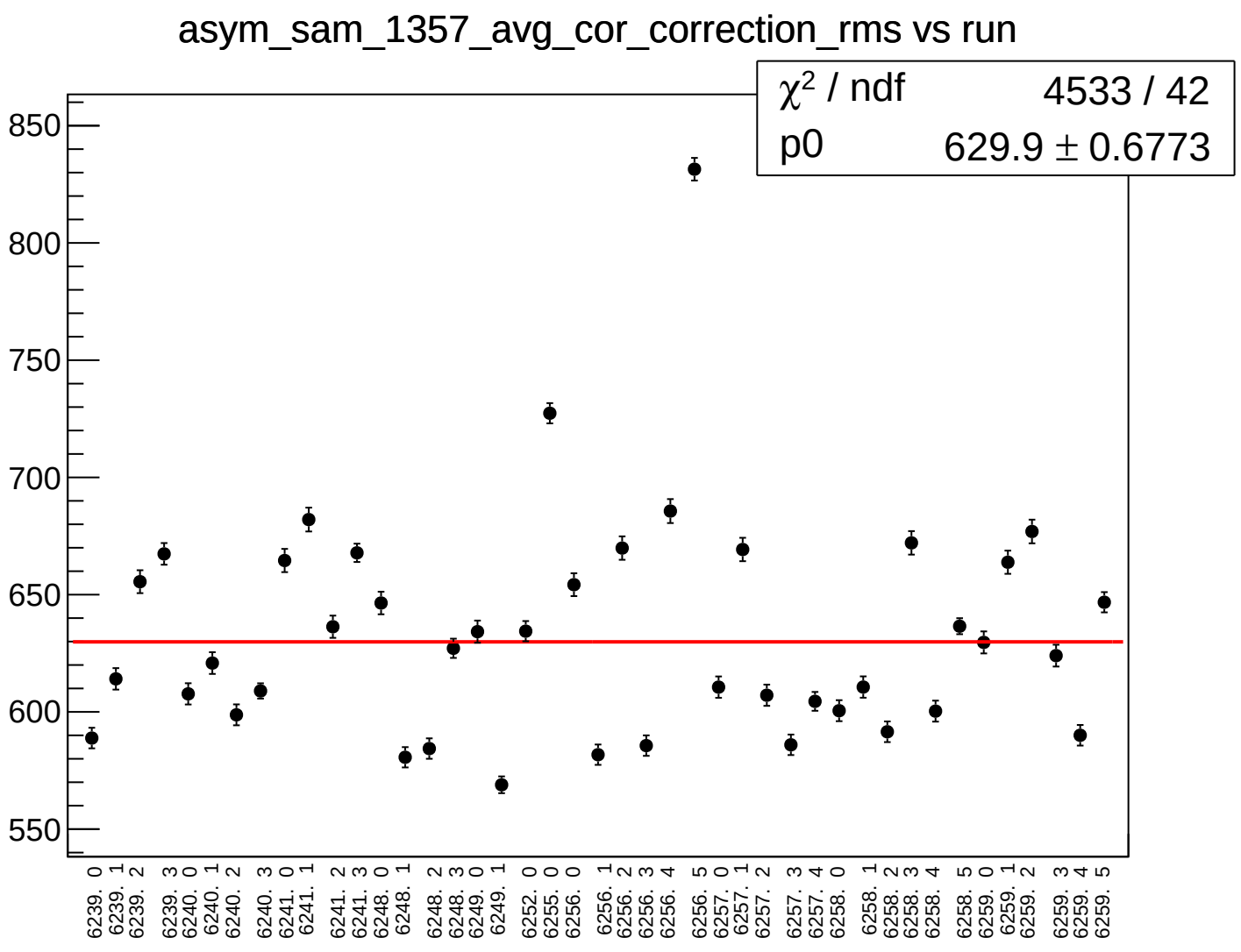
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 4533 / 42
p0 629.9 ± 0.6773
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
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6257. 3
6257. 4
6258. 0
6258. 1
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6258. 4
6258. 5
6259. 0
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6259. 2
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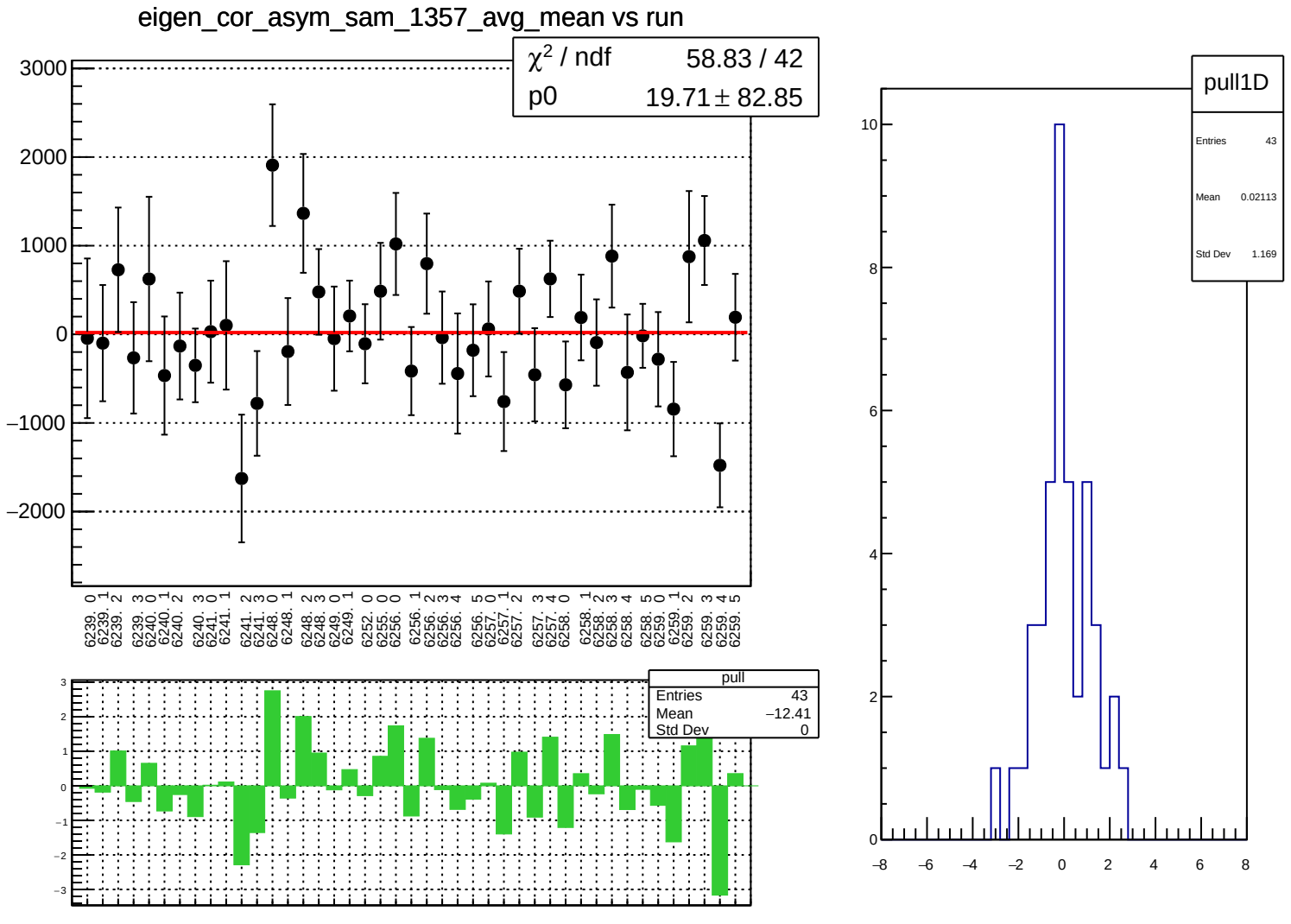
6259. 4
6259. 5


eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 58.83 / 42
p0 19.71 ± 82.85
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
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6248. 2
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
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6256. 4
6256. 5
6257. 0
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6257. 4
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6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
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6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −12.41
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02113
Std Dev 1.169
10
8
6
4
2
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−8
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−4
−2
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2
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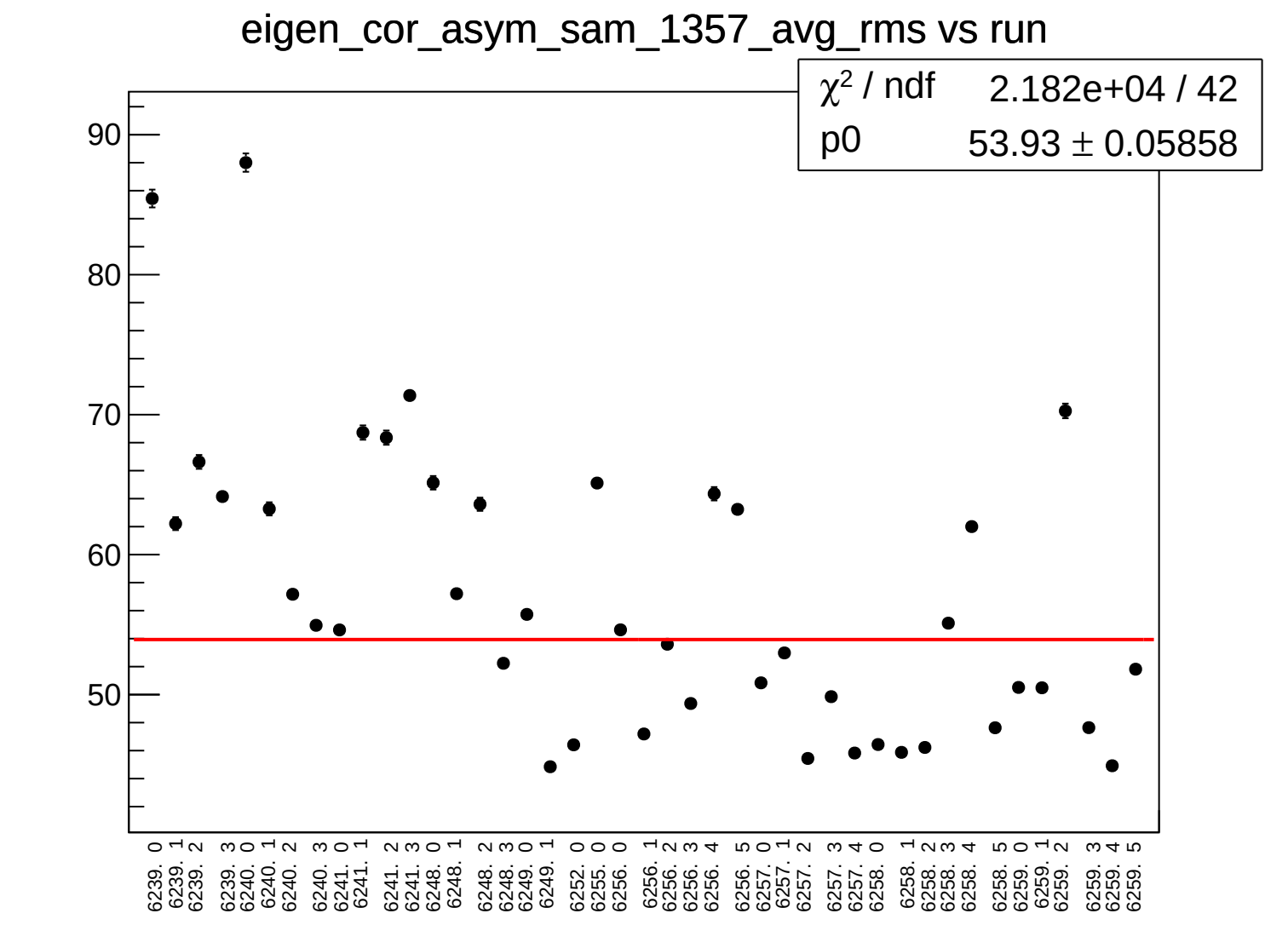
6
8


eigen_cor_asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 2.182e+04 / 42
p0 53.93 ± 0.05858
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
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6258. 4
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6259. 0
6259. 1
6259. 2
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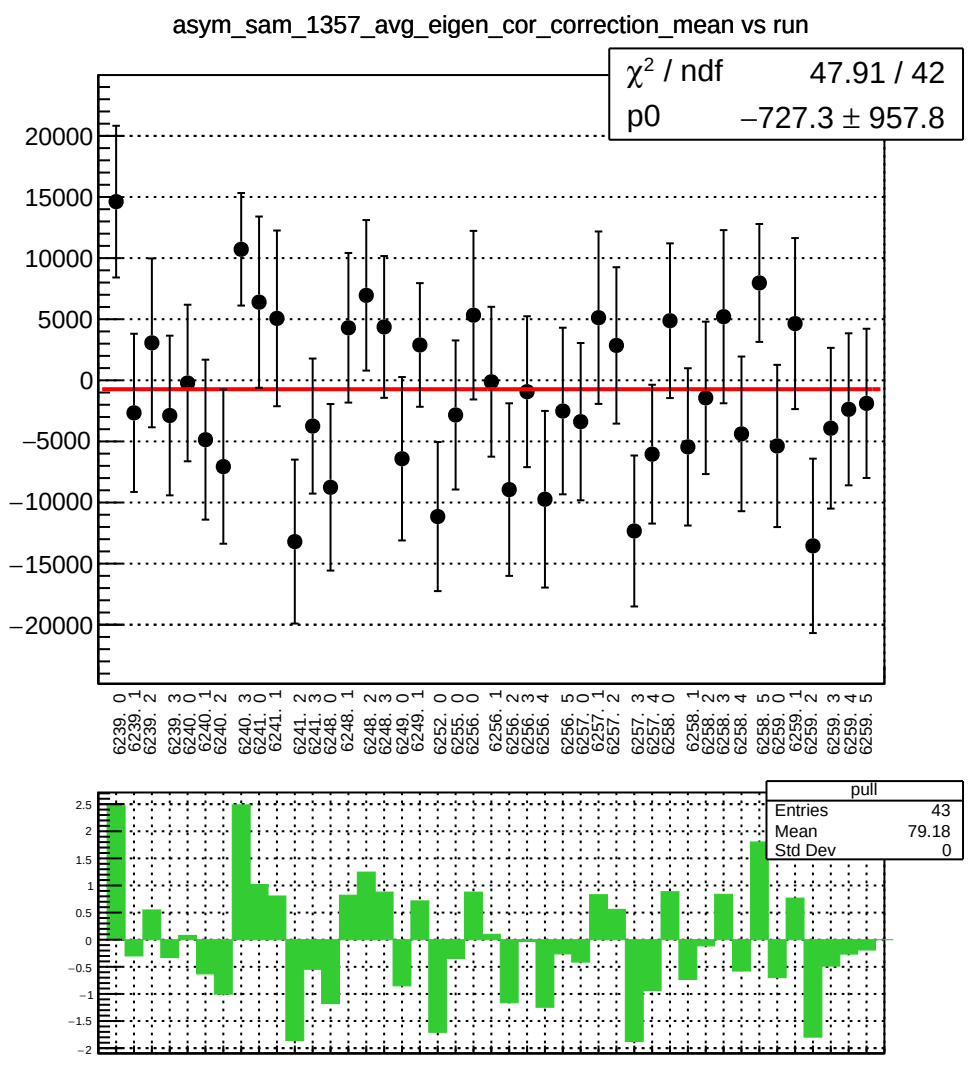
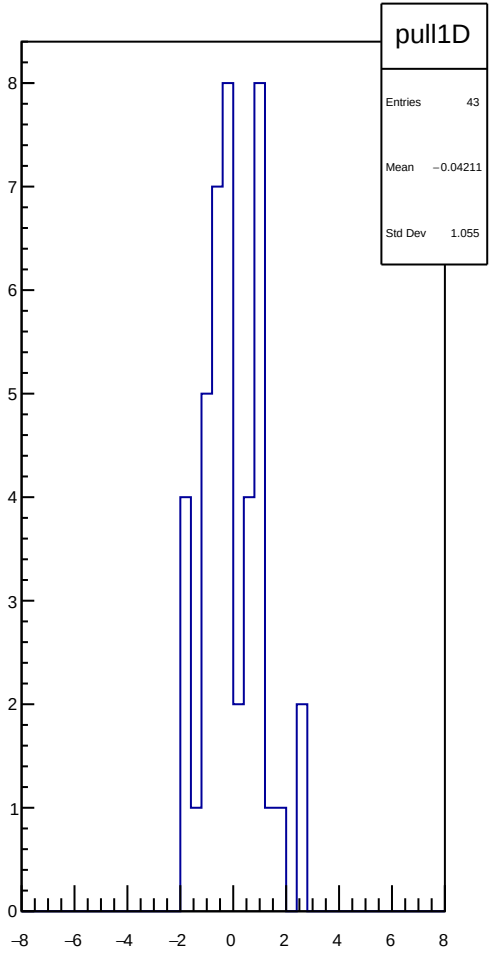
6259. 4
6259. 5


asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 47.91 / 42
p0 −727.3 ± 957.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 43
Mean −0.04211
Std Dev 1.055
8
7
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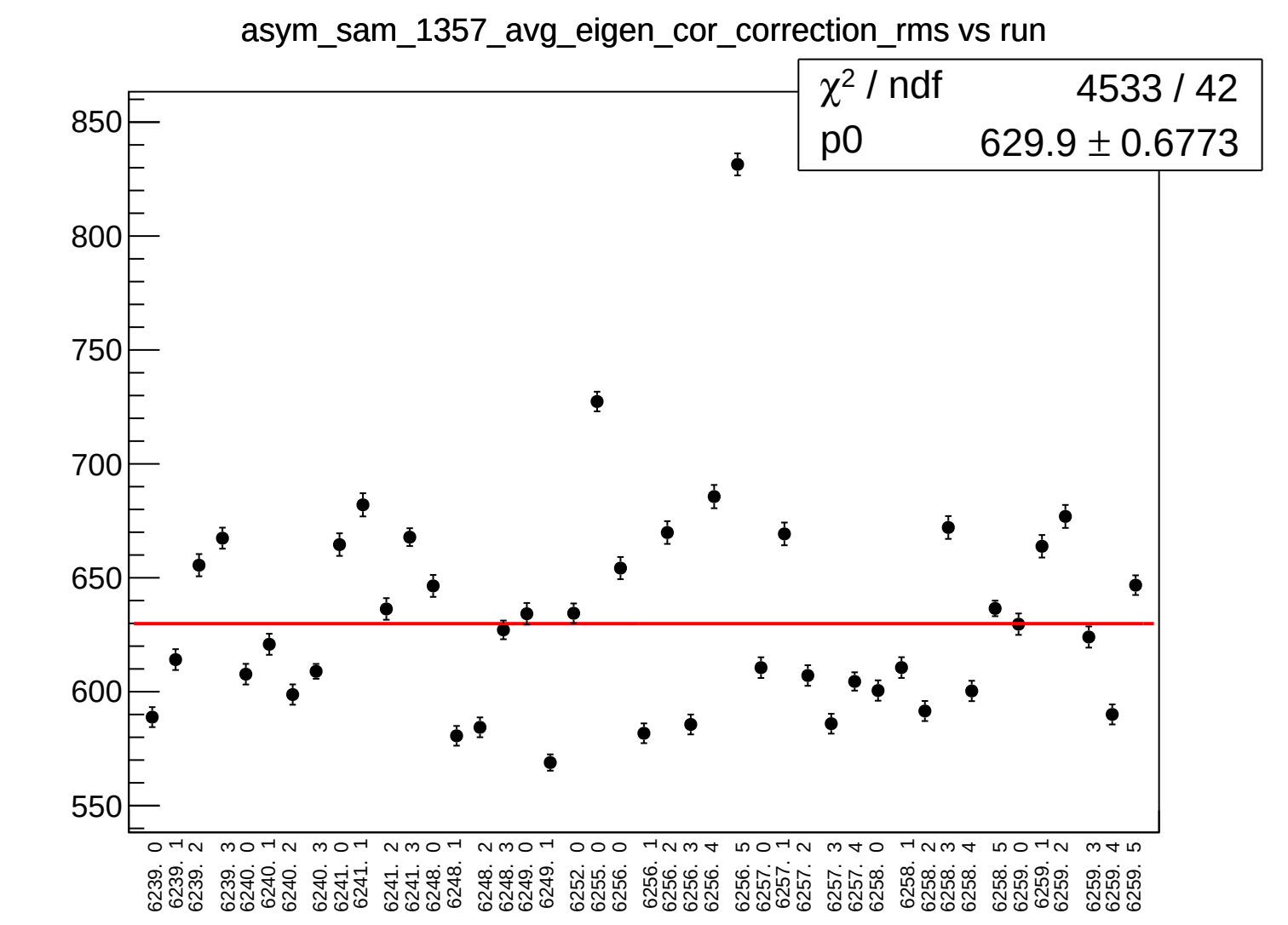
−4
−2
0
2
4
6
8


asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 4533 / 42
p0 629.9 ± 0.6773
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
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6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
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6256. 4
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6257. 0
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6257. 4
6258. 0
6258. 1
6258. 2
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6259. 0
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6259. 2
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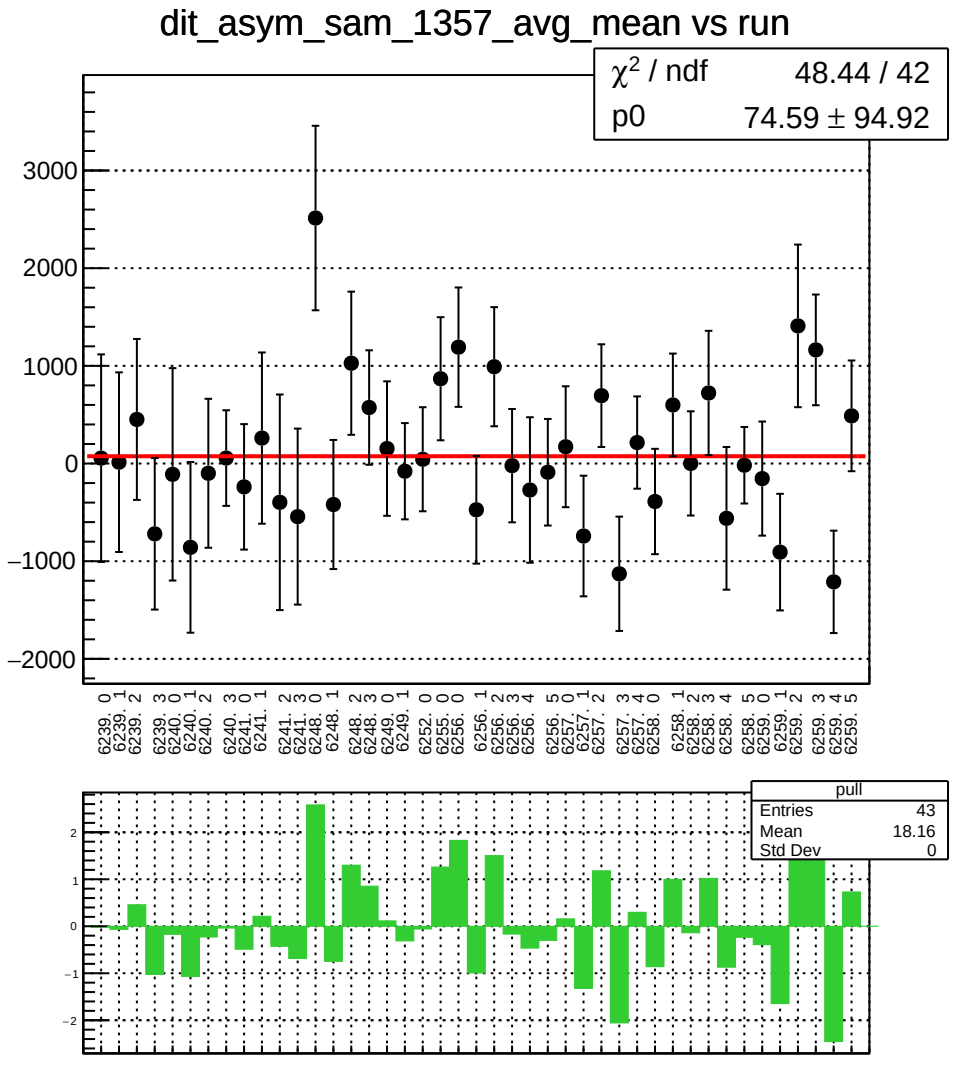
6259. 4
6259. 5


dit_asym_sam_1357_avg_mean vs run
χ² / ndf 48.44 / 42
p0 74.59 ± 94.92
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
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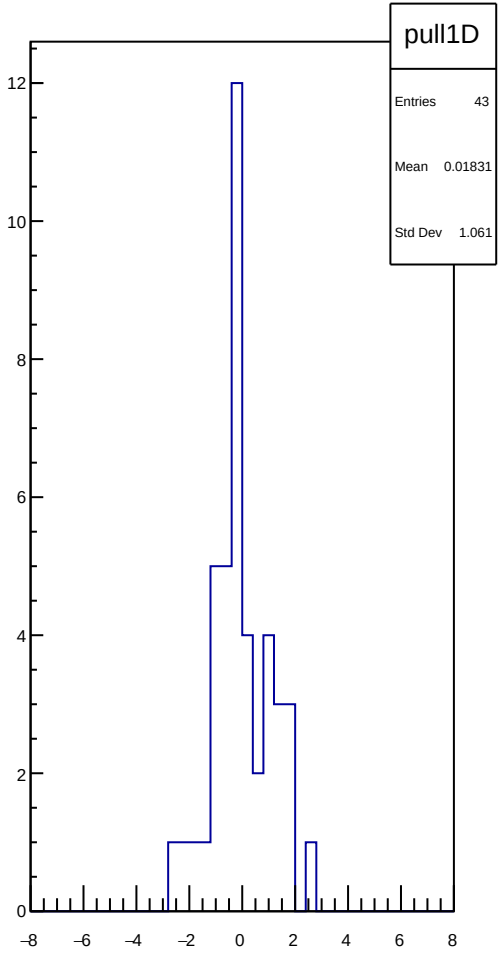
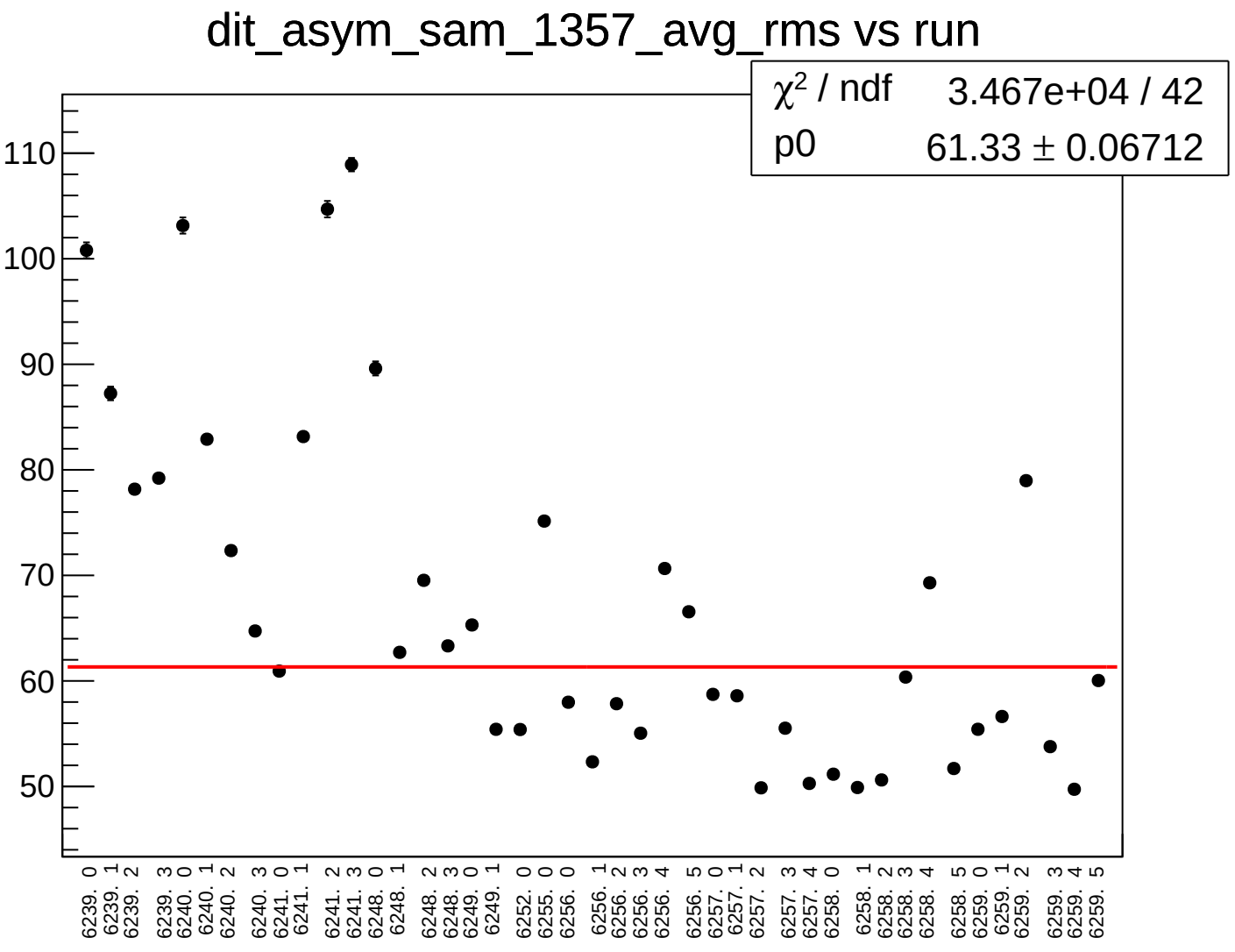
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.16
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.01831
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.467e+04 / 42
p0 61.33 ± 0.06712
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
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6256. 2
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6256. 5
6257. 0
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6258. 4
6258. 5
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6259. 2
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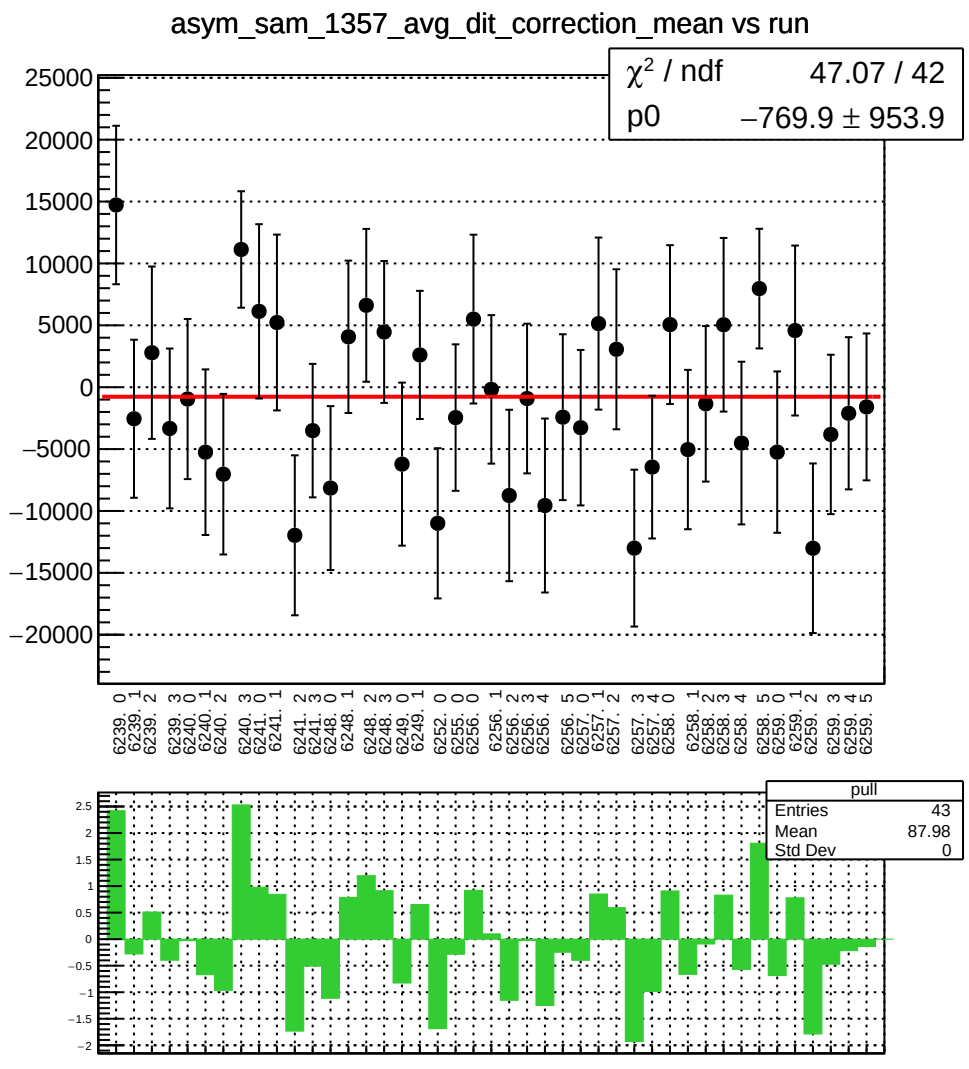
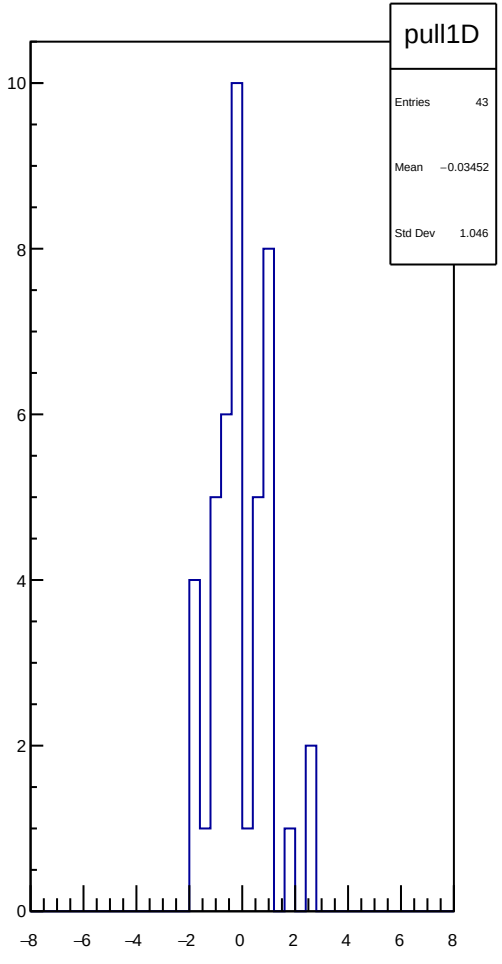
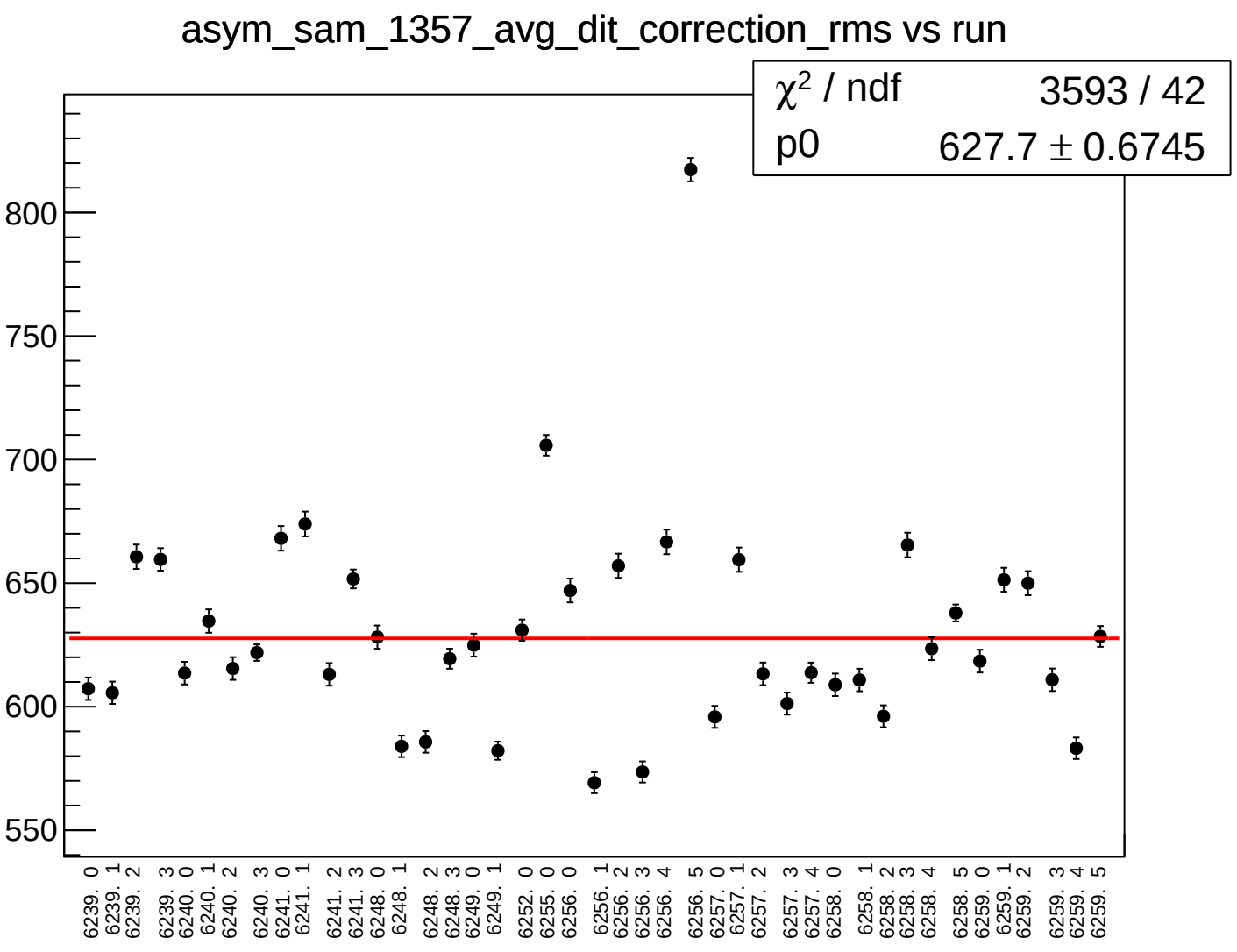
6259. 4
6259. 5


asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 47.07 / 42
p0 −769.9 ± 953.9
pull
Entries 43
Mean 87.98
Std Dev 0


pull1D
Entries 43
Mean −0.03452
Std Dev 1.046


asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 3593 / 42
p0 627.7 ± 0.6745
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
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6248. 3
6249. 0
6249. 1
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6255. 0
6256. 0
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6256. 5
6257. 0
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6258. 1
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6259. 0
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6259. 2
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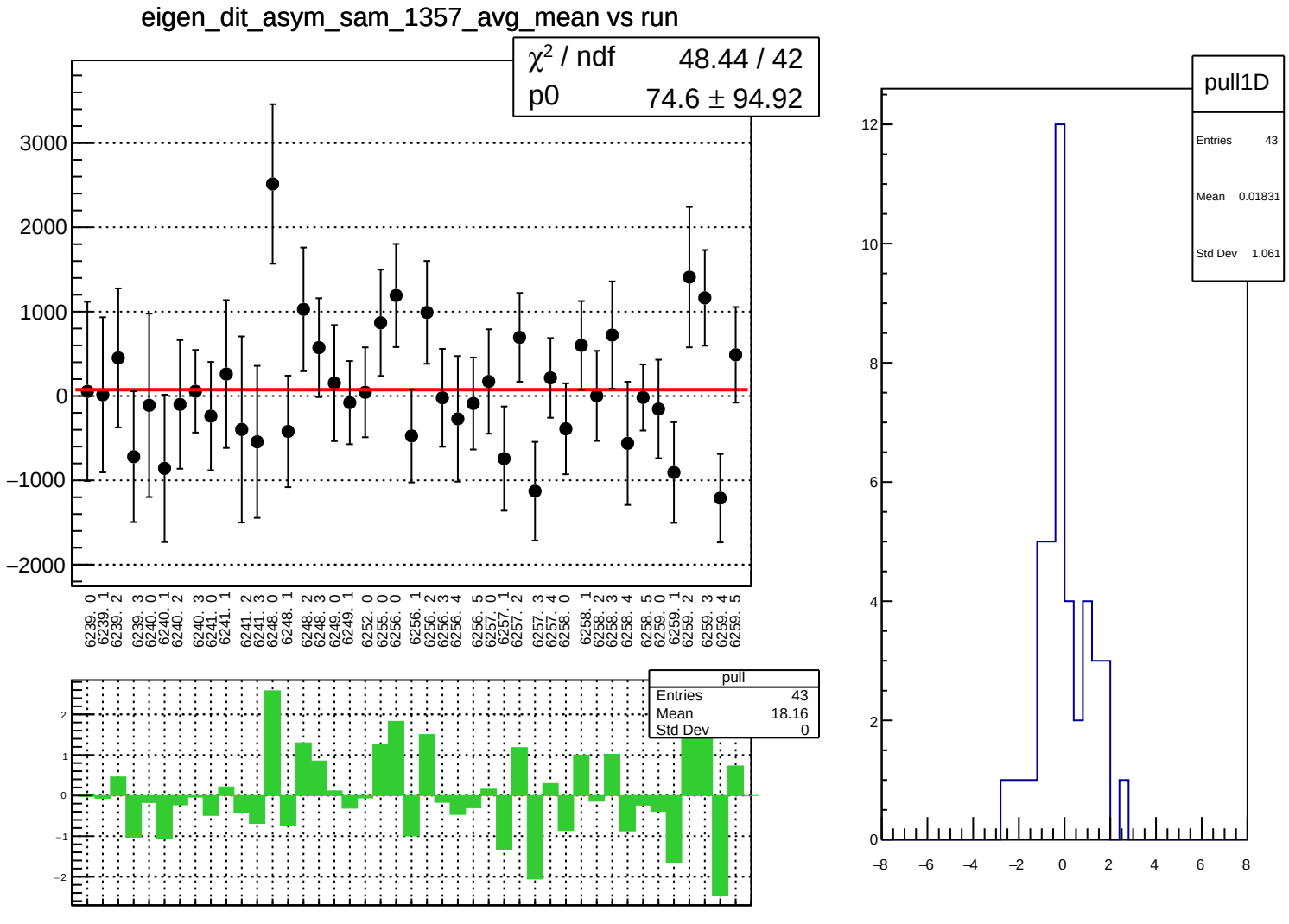
6259. 4
6259. 5


eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 48.44 / 42
p0 74.6 ± 94.92
3000
2000
1000
0
−1000
−2000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
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6241. 2
6241. 3
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6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
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6256. 5
6257. 0
6257. 1
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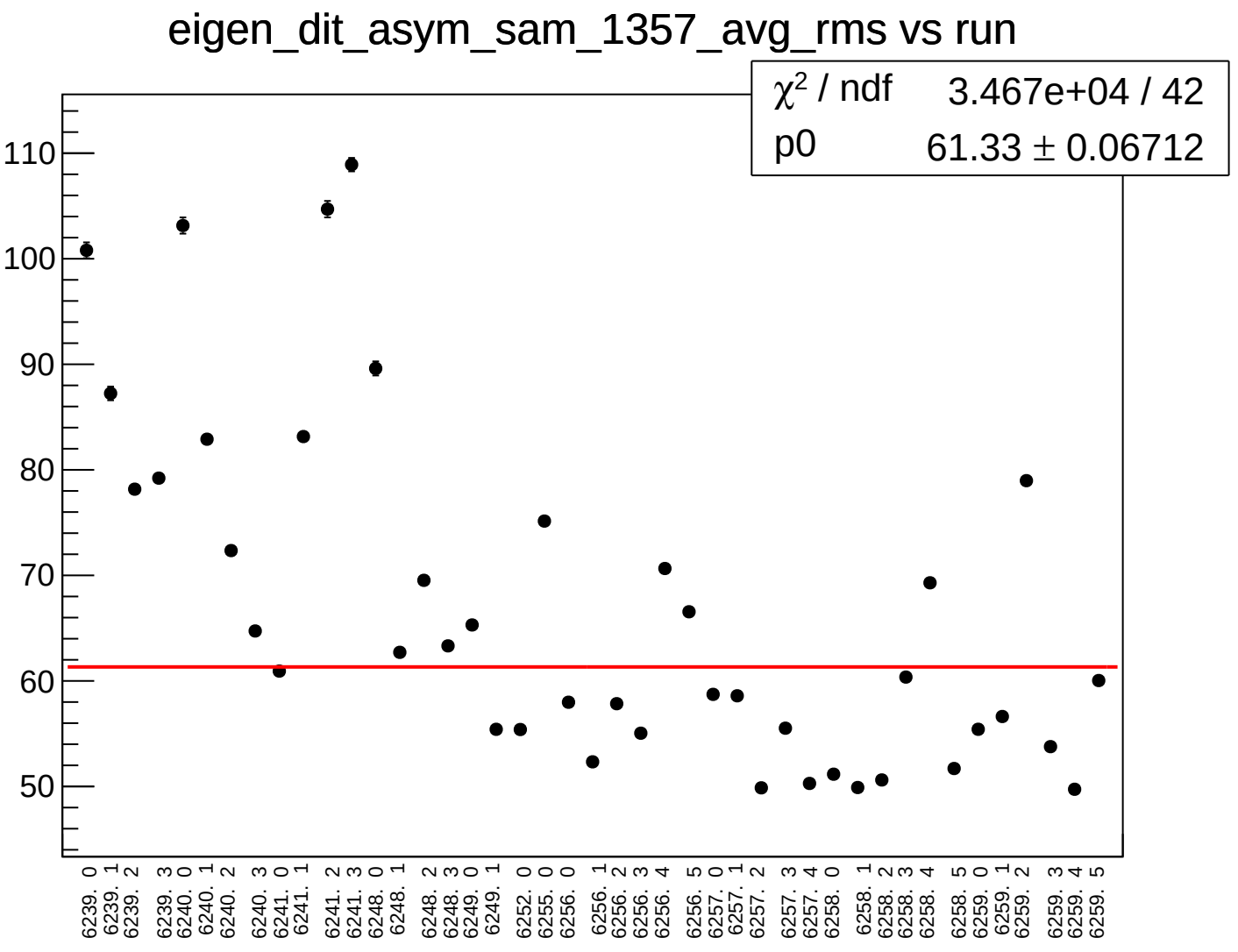
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 18.16
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.01831
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.467e+04 / 42
p0 61.33 ± 0.06712
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
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6241. 0
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6249. 1
6252. 0
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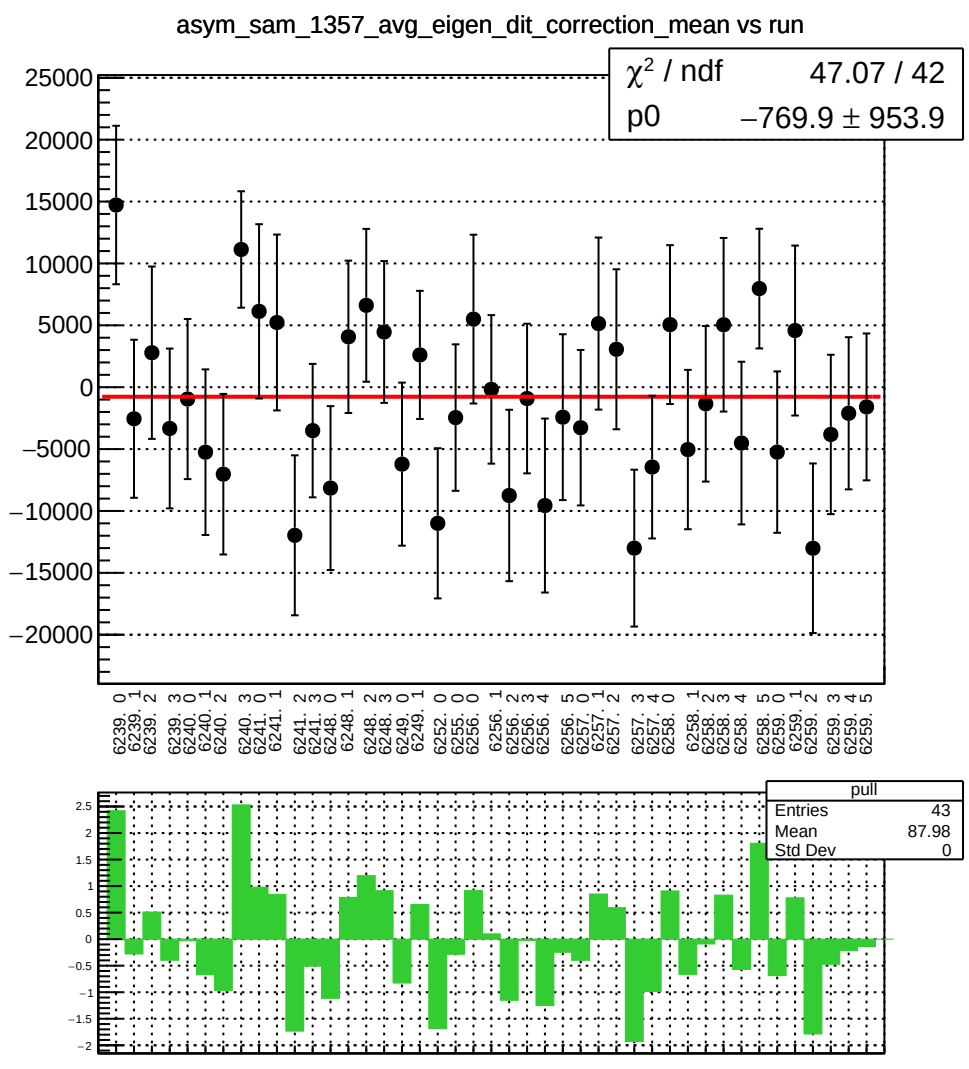
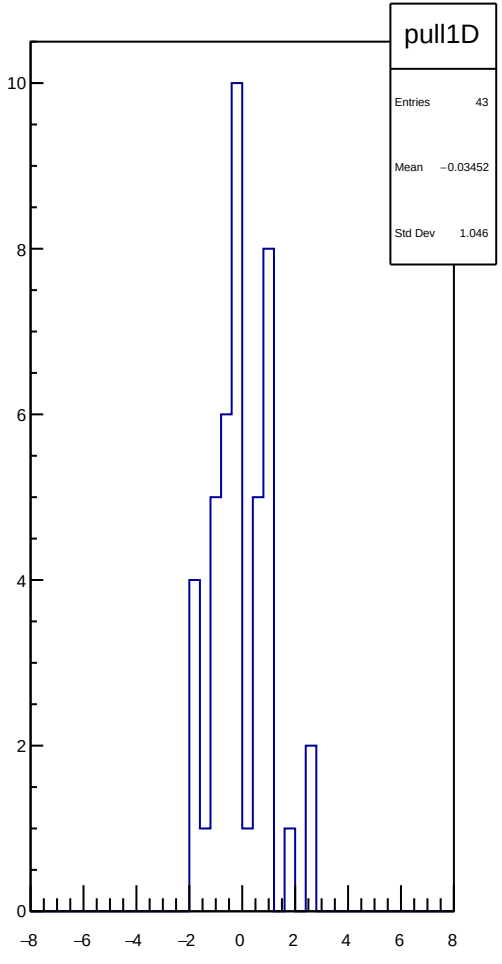
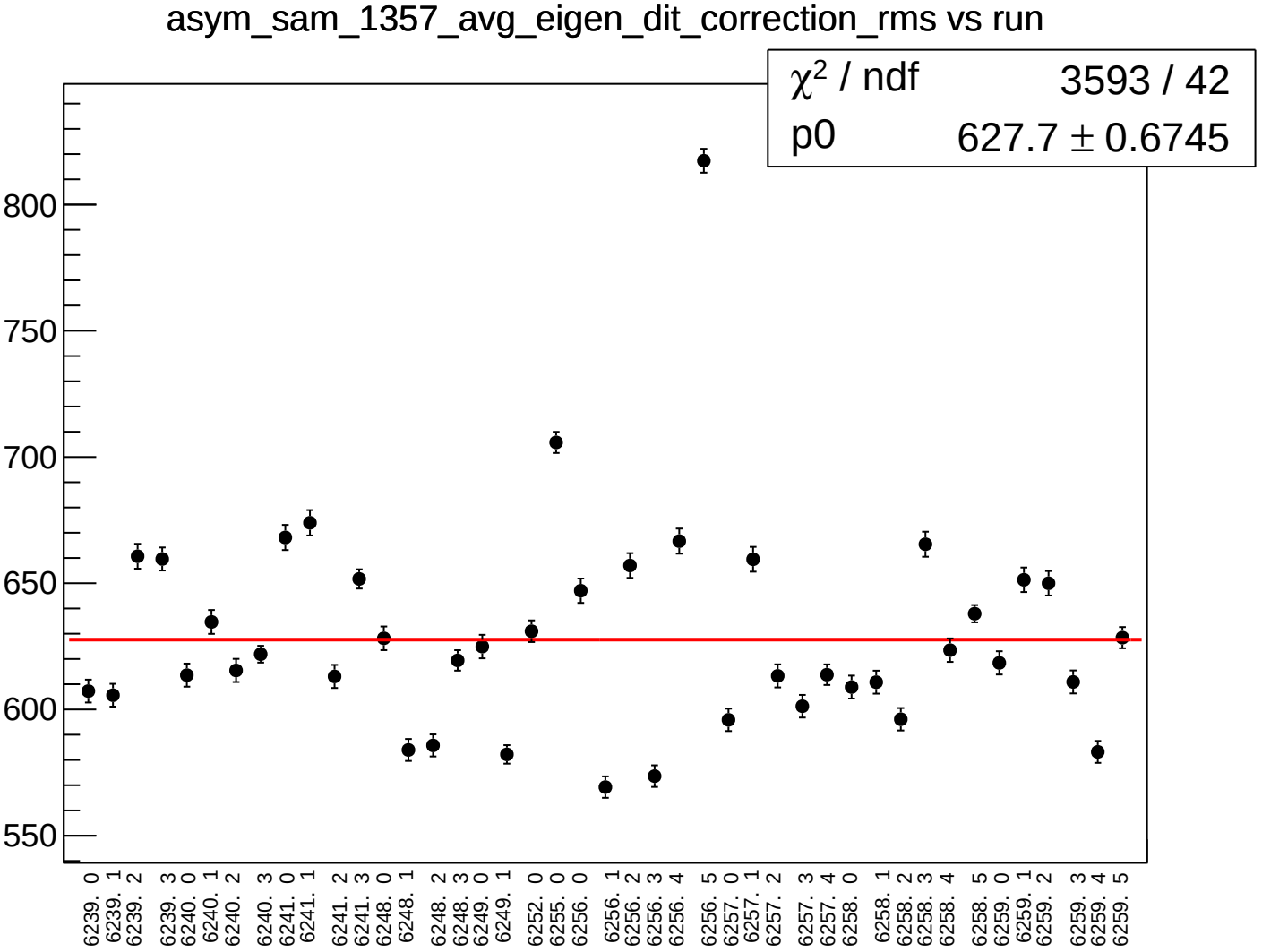
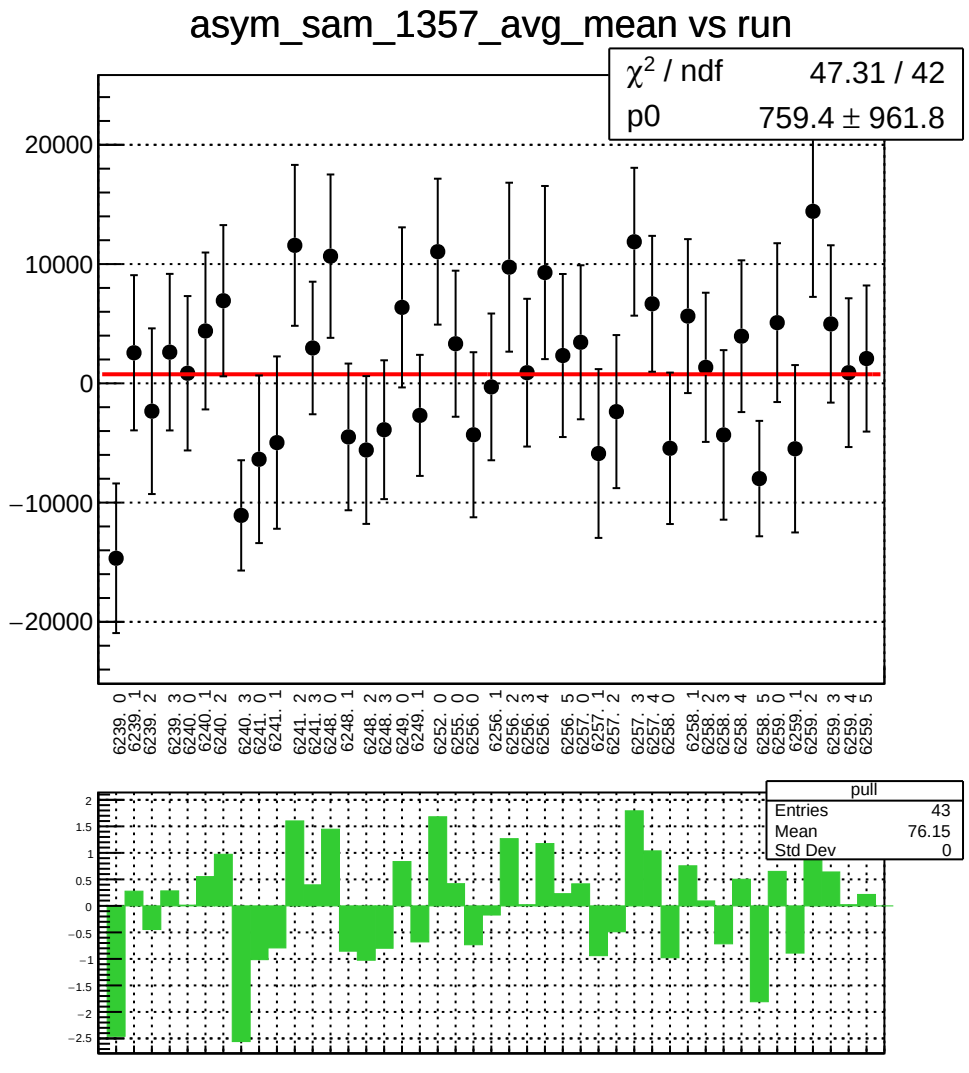
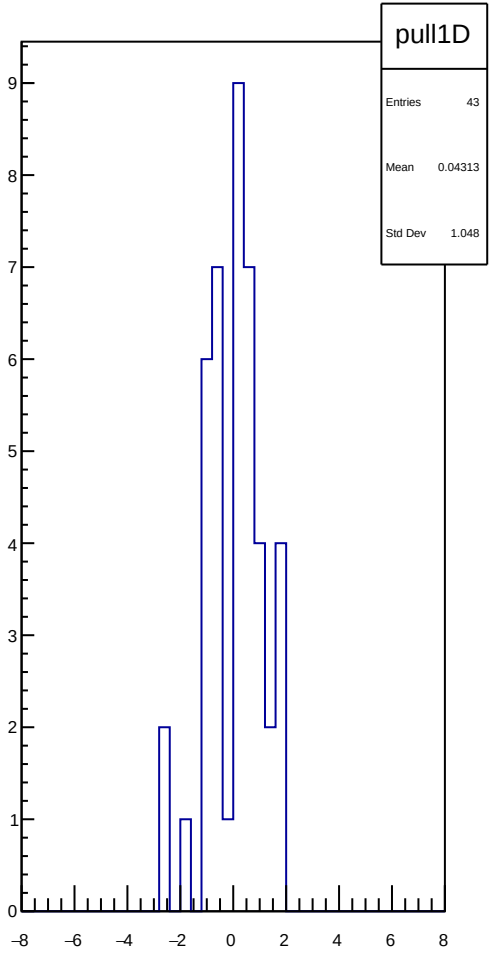
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

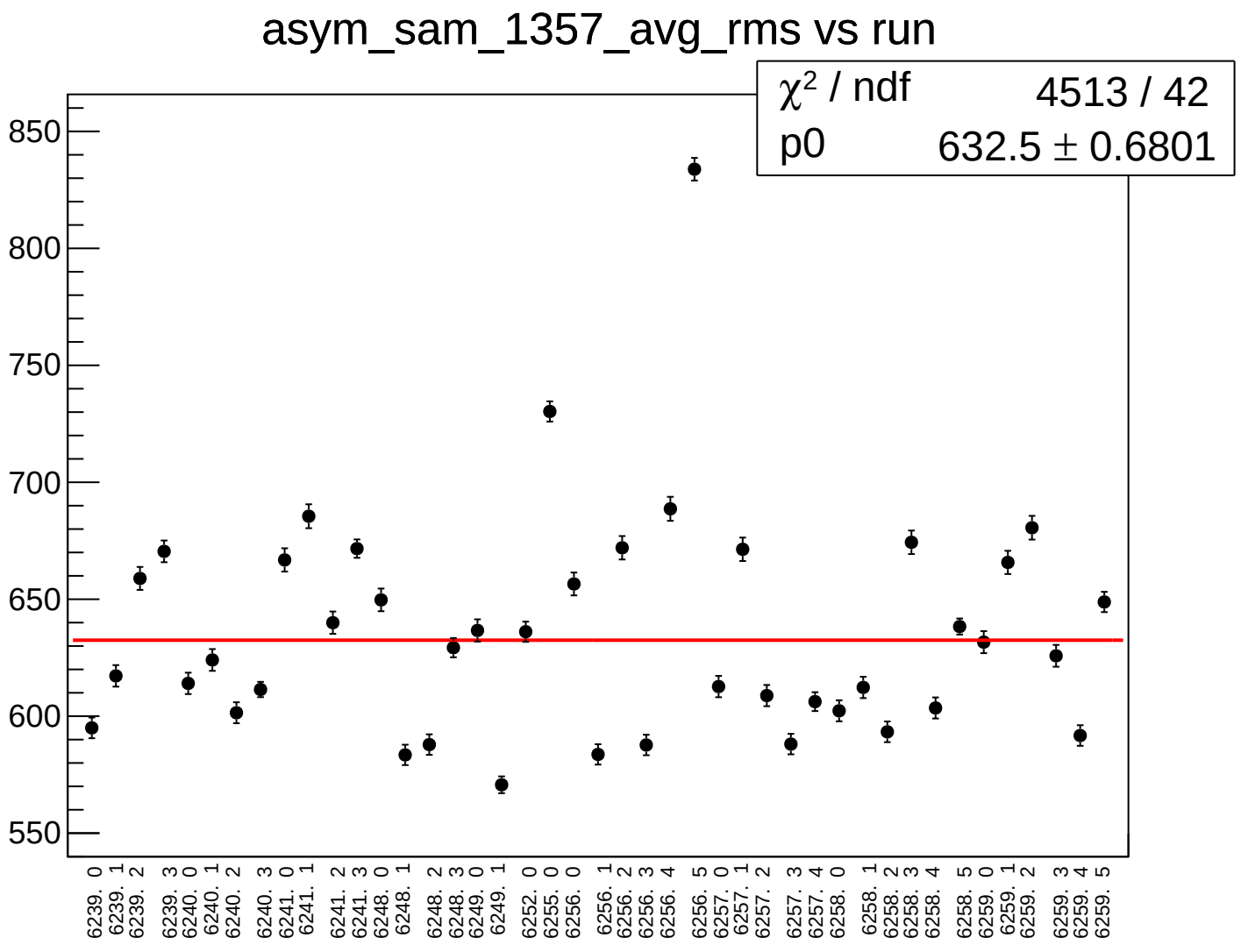

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.07 / 42
p0 −769.9 ± 953.9
pull
Entries 43
Mean 87.98
Std Dev 0

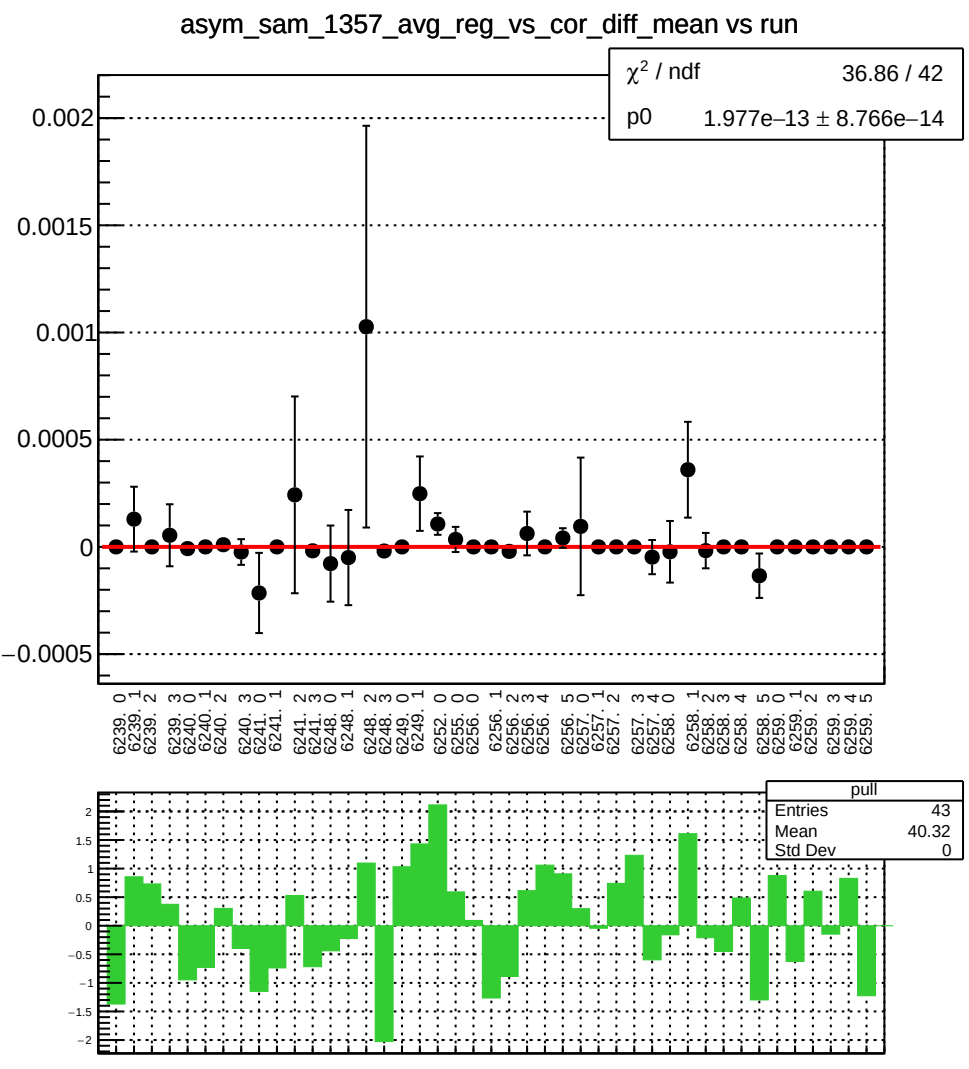

pull1D
Entries 43
Mean −0.03452
Std Dev 1.046

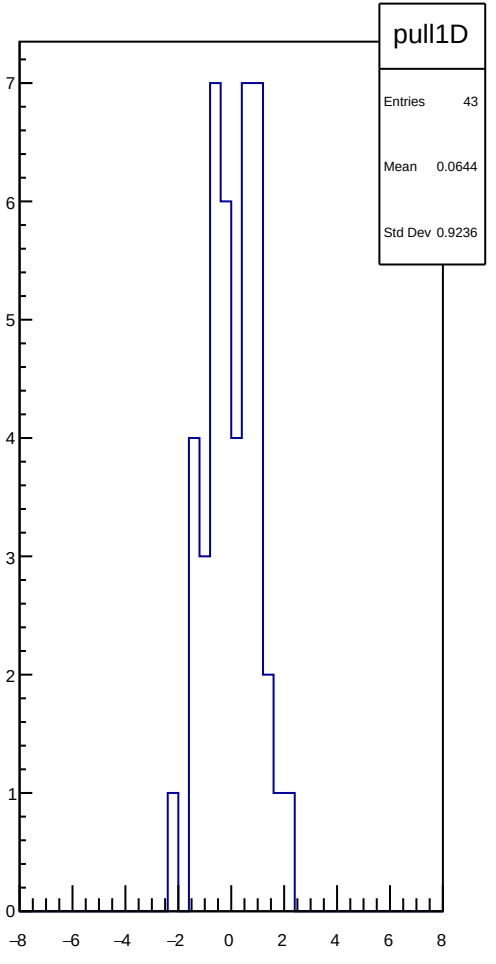

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 3593 / 42
p0 627.7 ± 0.6745
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

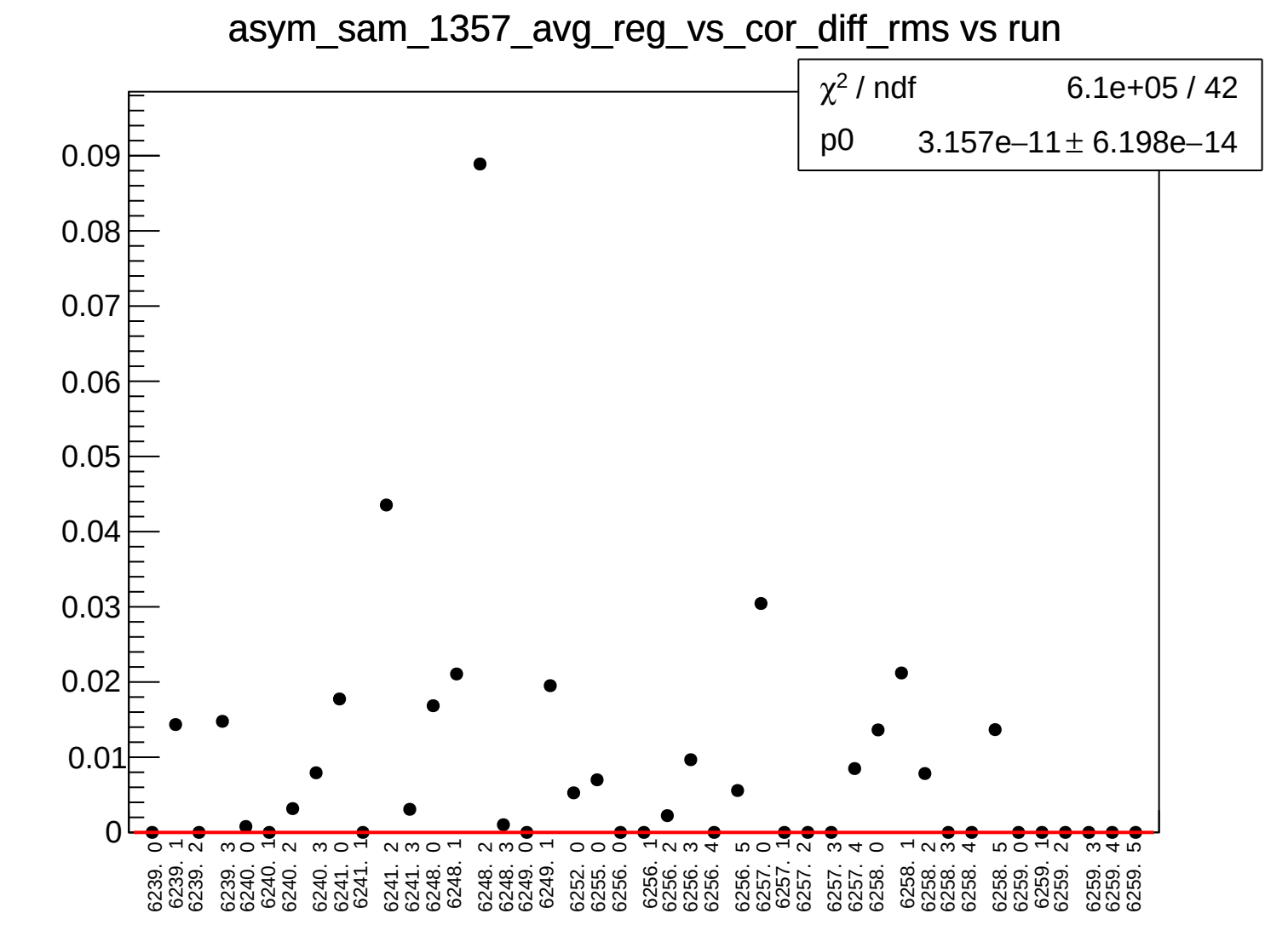

asym_sam_1357_avg_mean vs run
χ² / ndf 47.31 / 42
p0 759.4 ± 961.8
20000
10000
0
−10000
−20000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 76.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

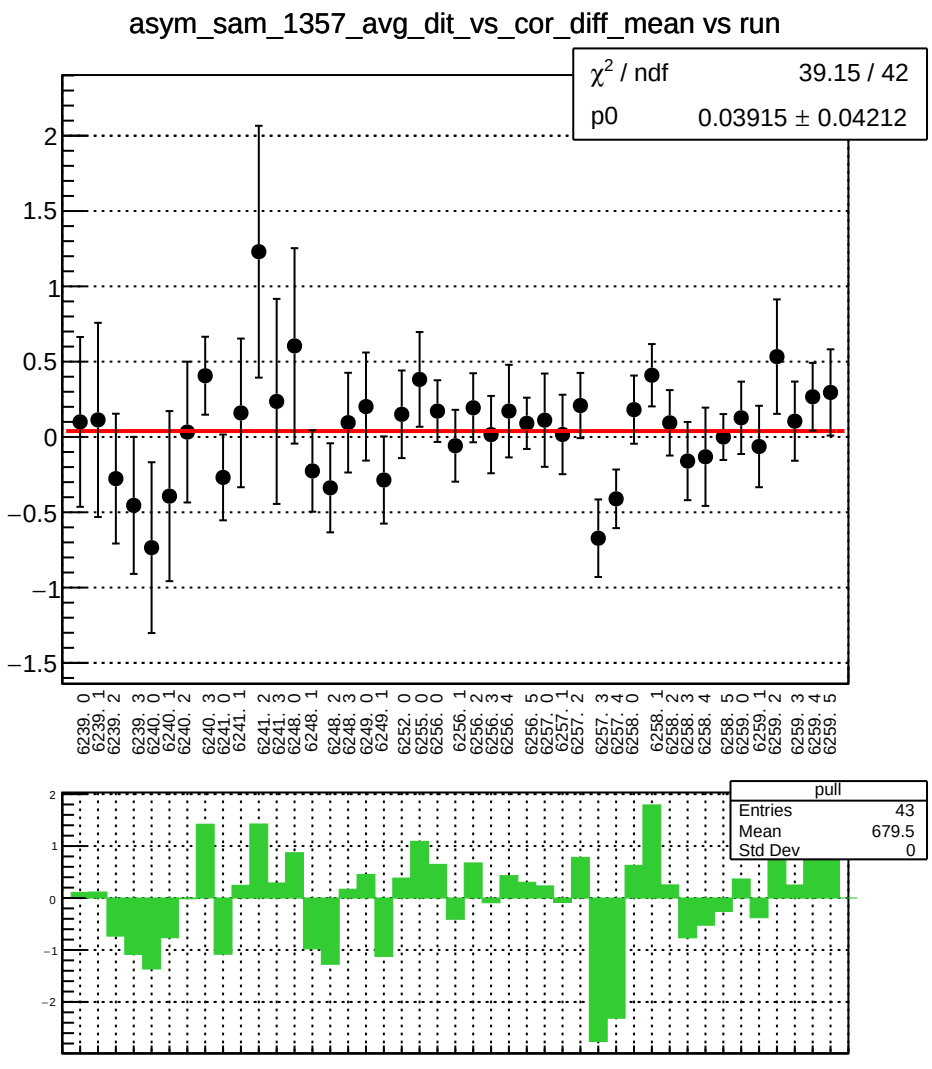

pull1D
Entries 43
Mean 0.04313
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

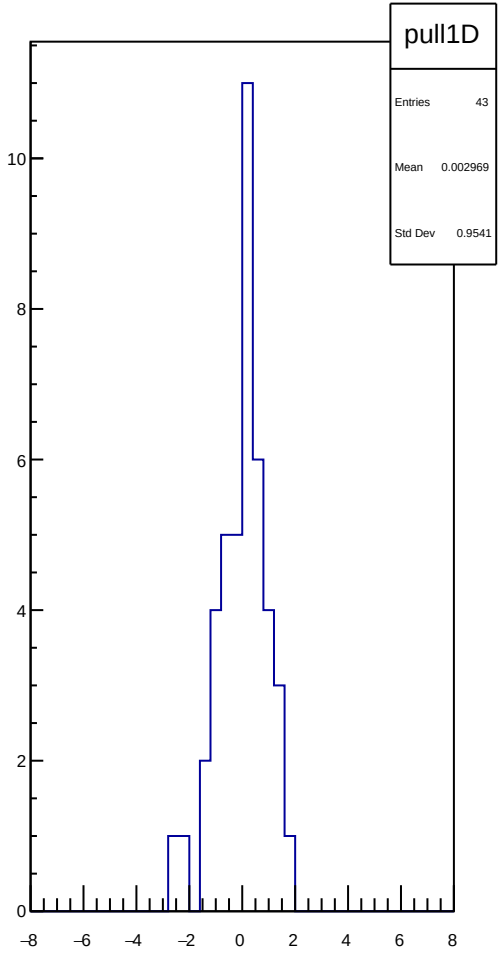

asym_sam_1357_avg_rms vs run
χ² / ndf 4513 / 42
p0 632.5 ± 0.6801
850
800
750
700
650
600
550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

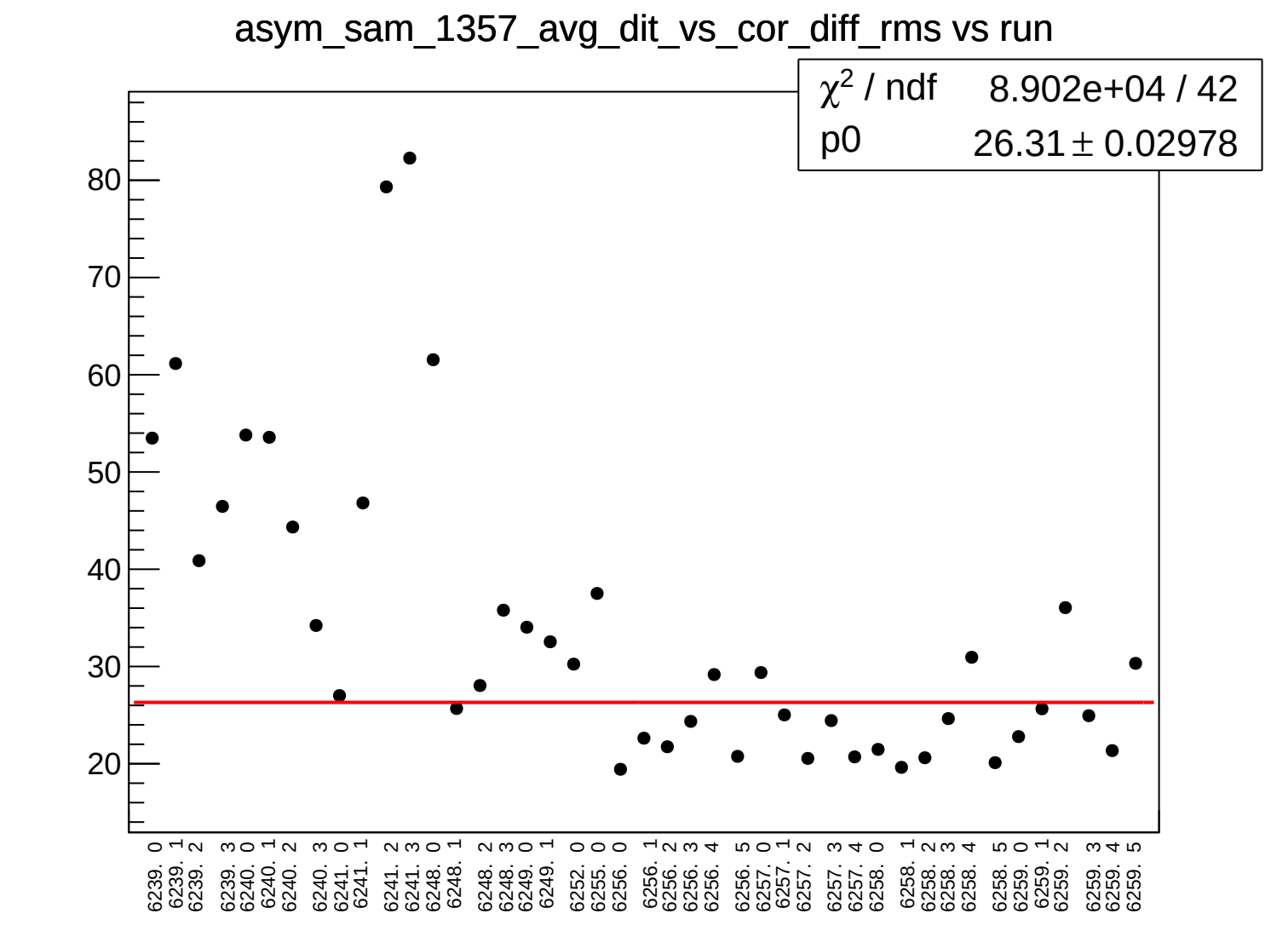

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.86 / 42
p0 1.977e−13 ± 8.766e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 40.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

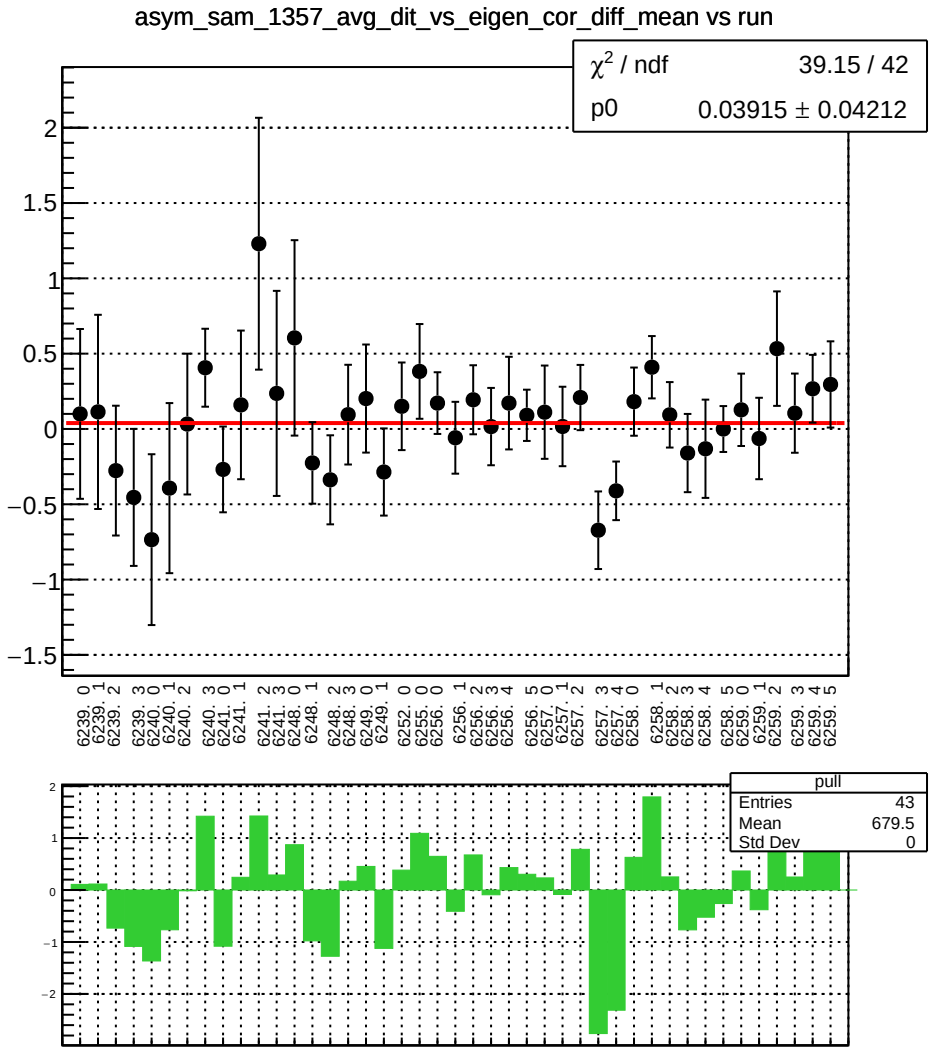

pull1D
Entries 43
Mean 0.0644
Std Dev 0.9236
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

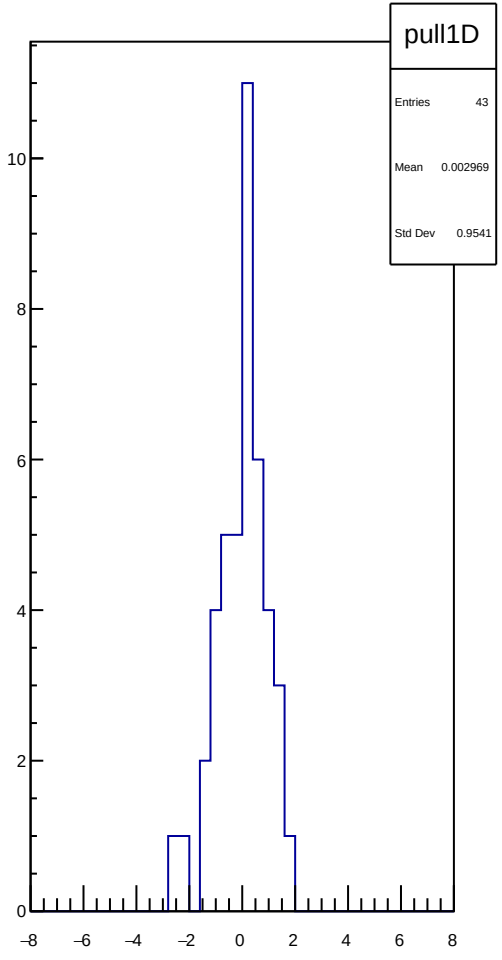

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.1e+05 / 42
p0 3.157e−11 ± 6.198e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

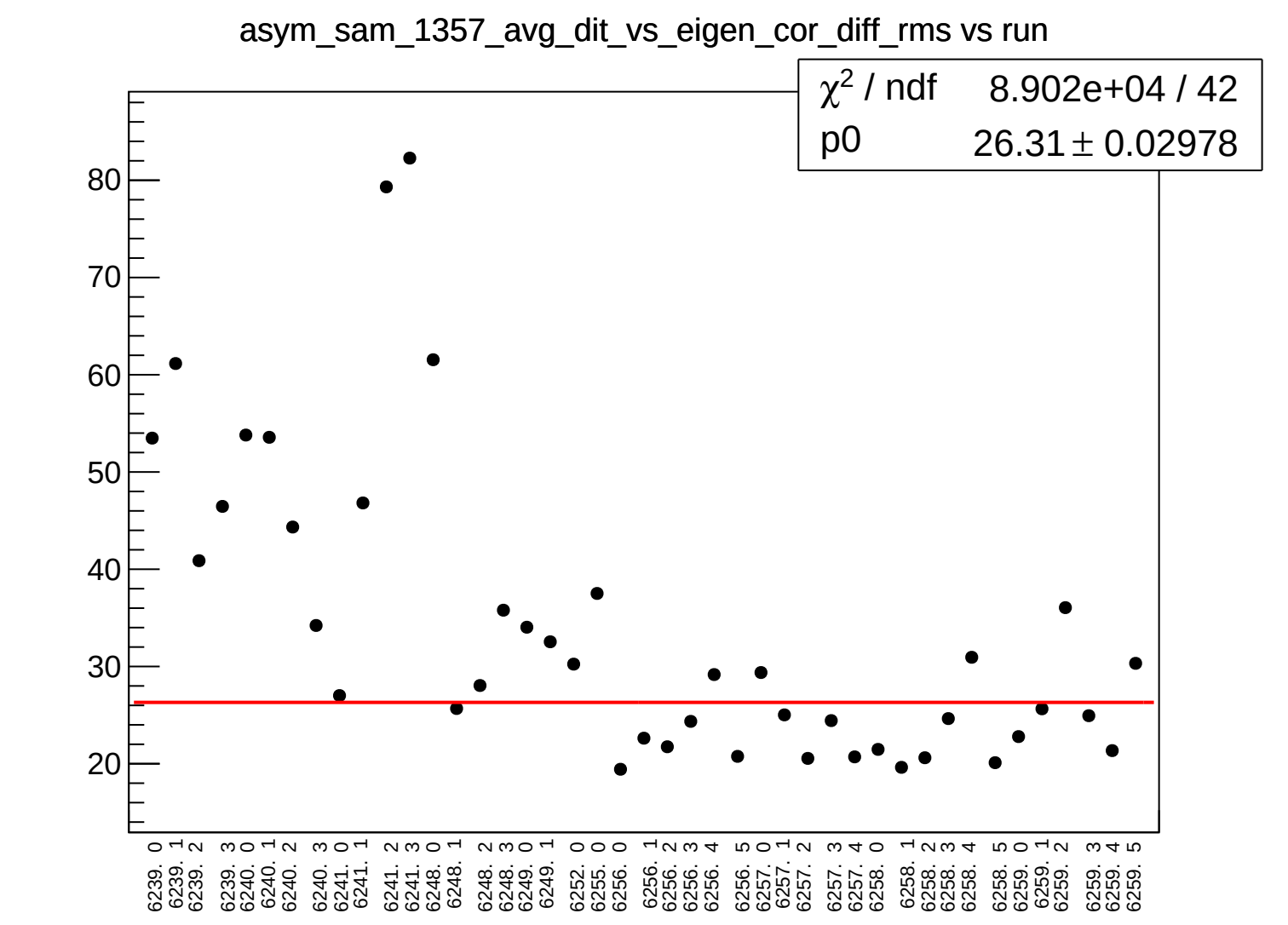

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.15 / 42
p0 0.03915 ± 0.04212
pull
Entries 43
Mean 679.5
Std Dev 0

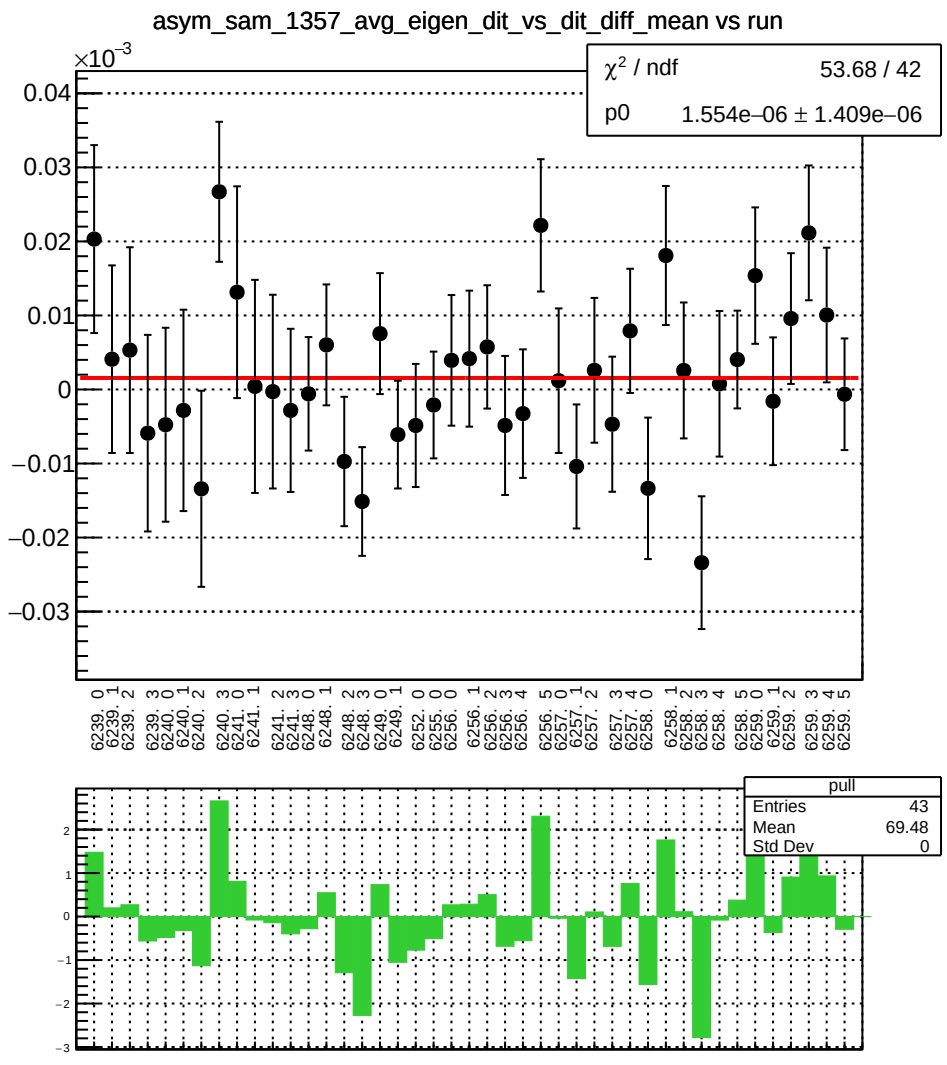

pull1D
Entries 43
Mean 0.002969
Std Dev 0.9541

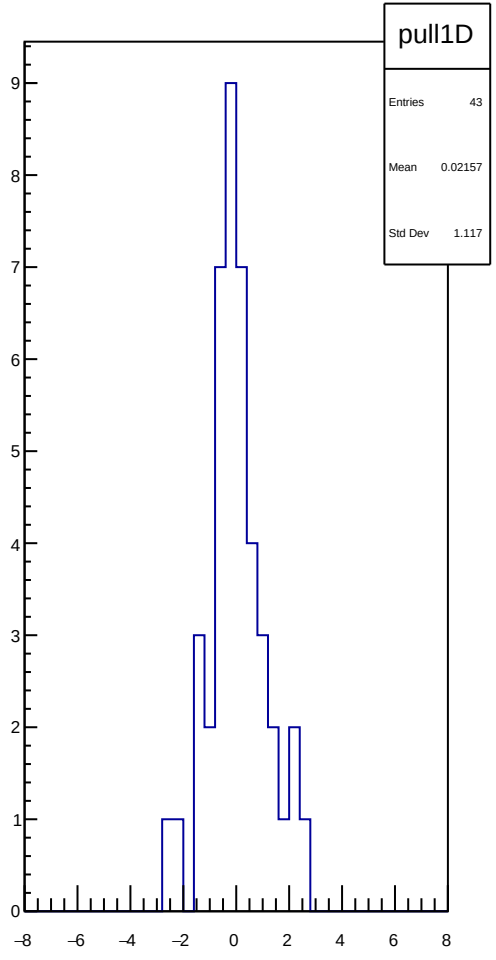

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.902e+04 / 42
p0 26.31 ± 0.02978
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

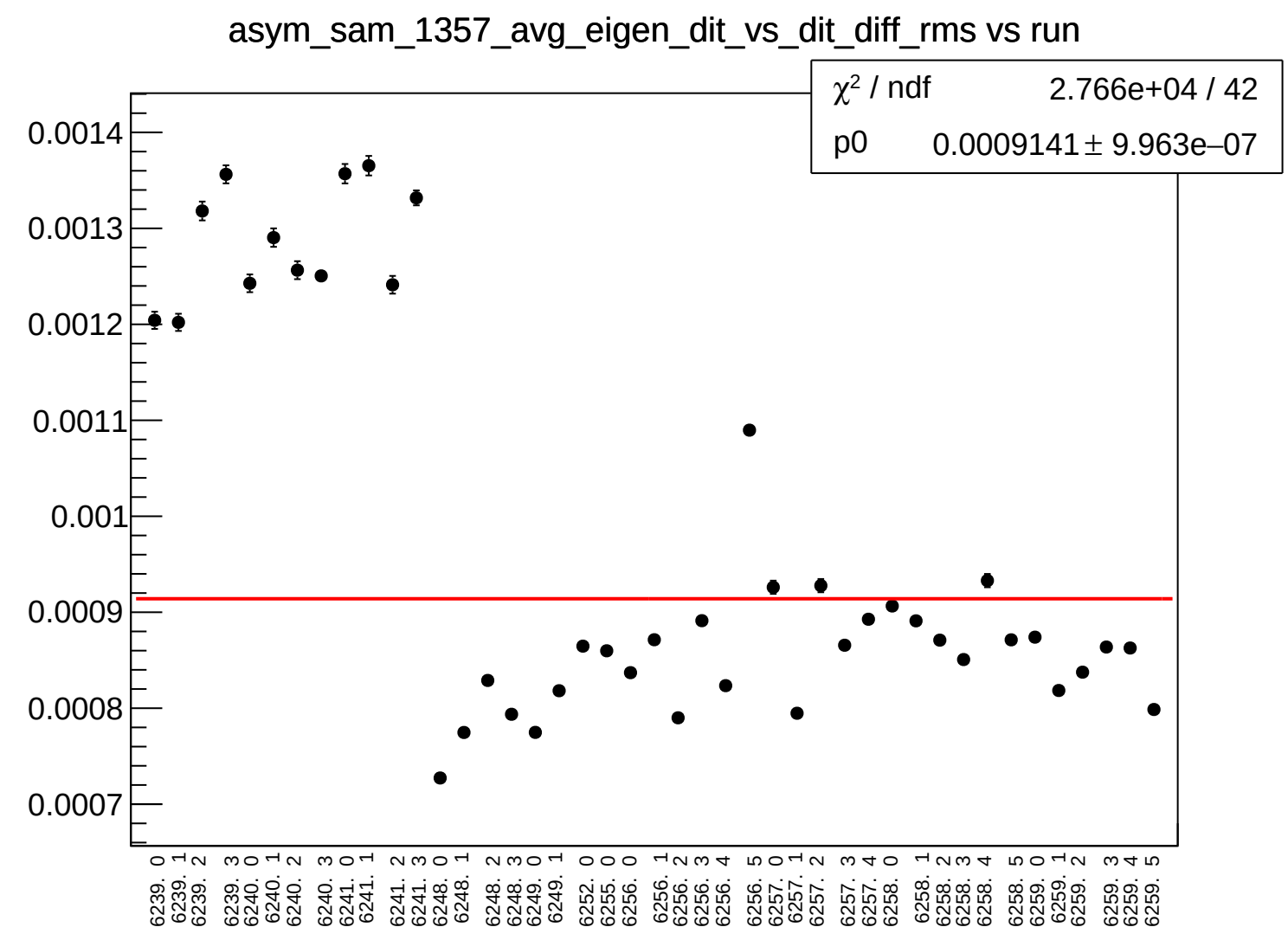

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.15 / 42
p0 0.03915 ± 0.04212
pull
Entries 43
Mean 679.5
Std Dev 0

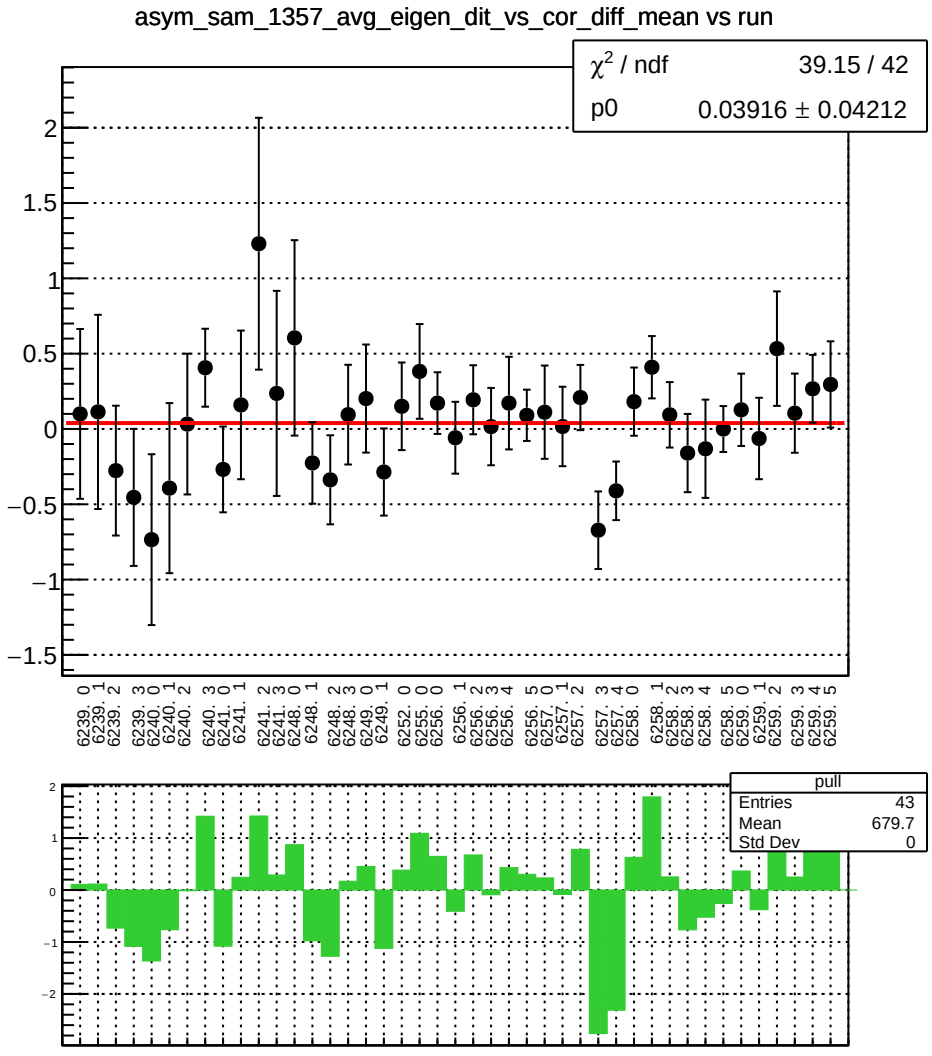

pull1D
Entries 43
Mean 0.002969
Std Dev 0.9541

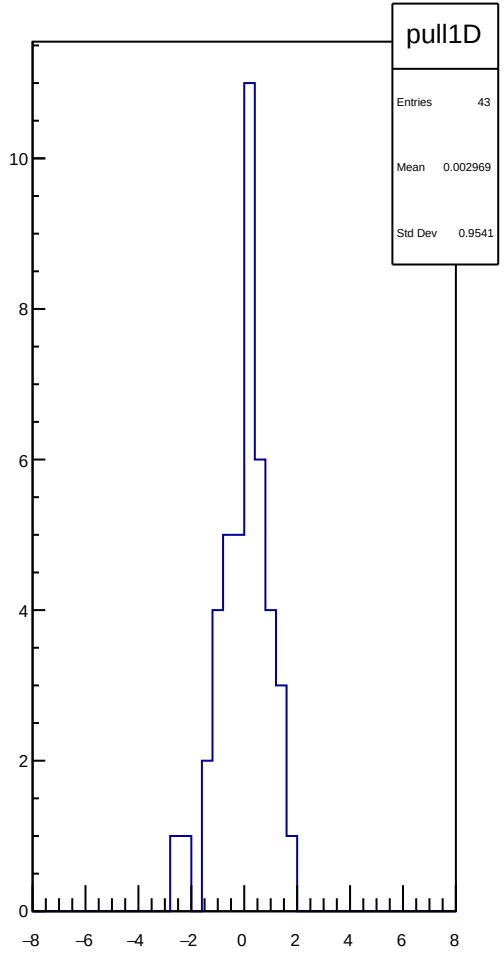

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.902e+04 / 42
p0 26.31 ± 0.02978
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

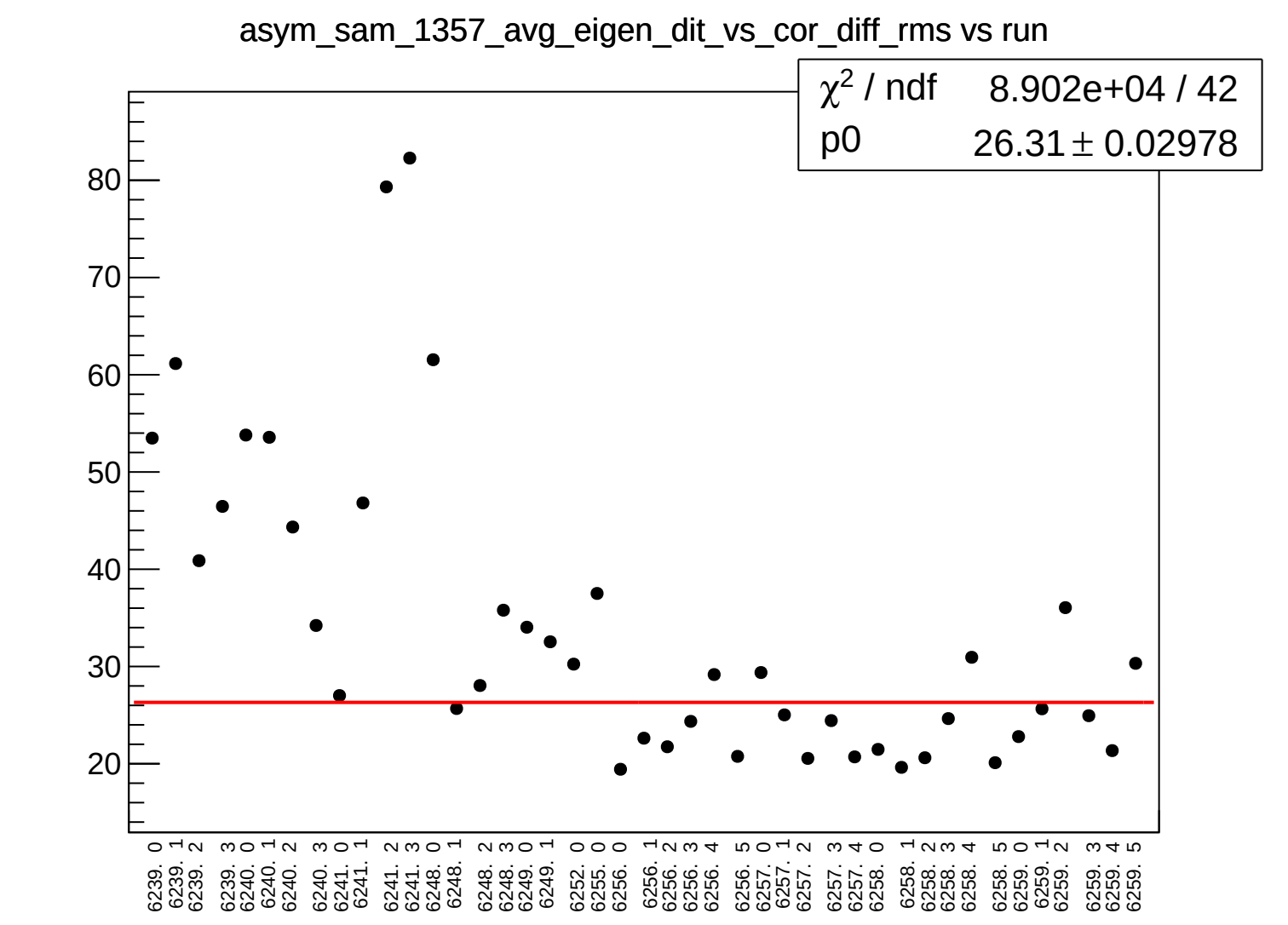

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.68 / 42
p0 1.554e−06 ± 1.409e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 69.48
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 43
Mean 0.02157
Std Dev 1.117
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

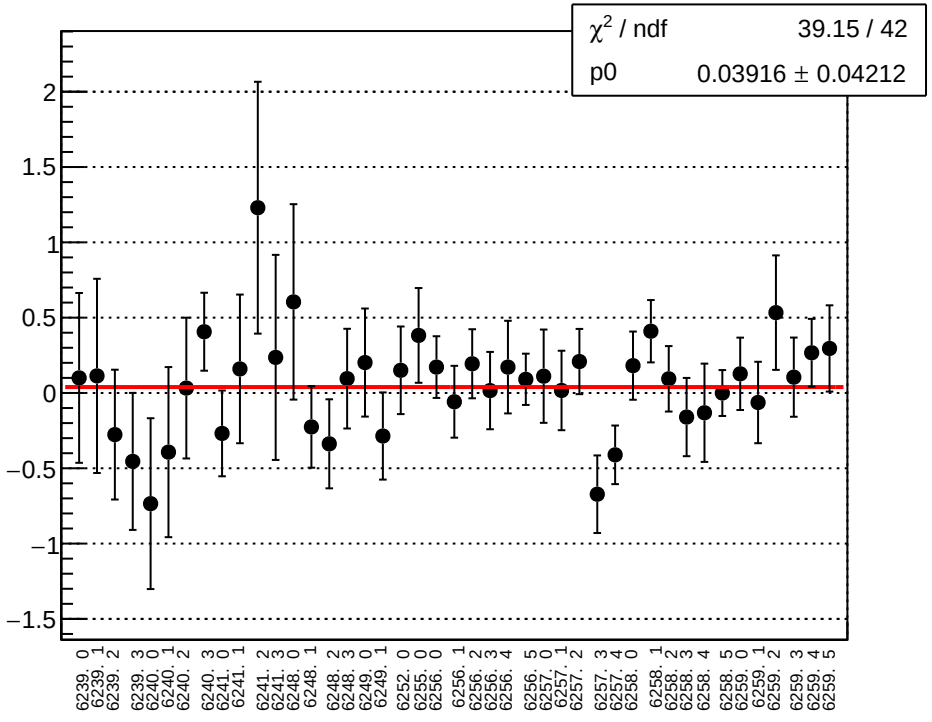

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.766e+04 / 42
p0 0.0009141 ± 9.963e−07
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

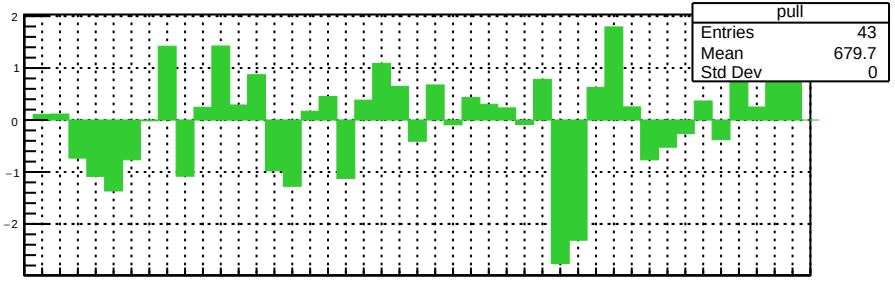

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.15 / 42
p0 0.03916 ± 0.04212
pull
Entries 43
Mean 679.7
Std Dev 0

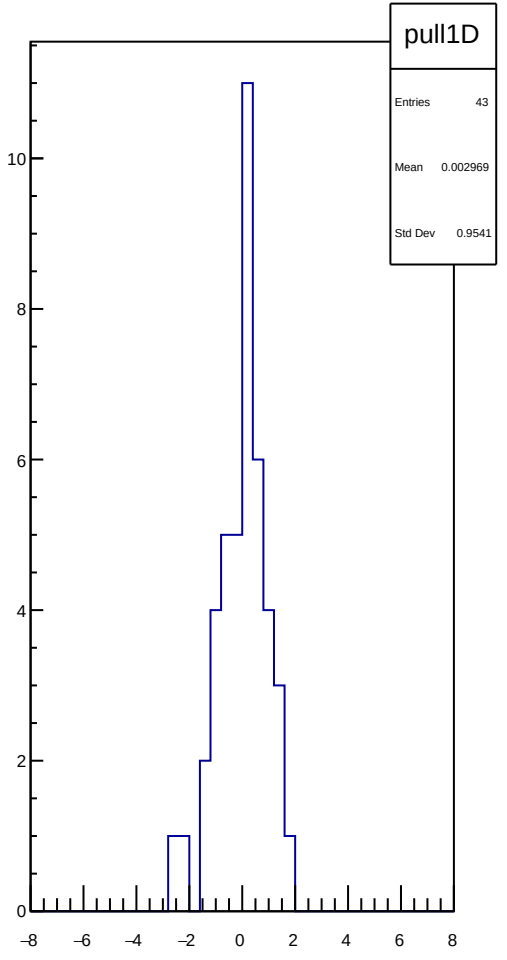

pull1D
Entries 43
Mean 0.002969
Std Dev 0.9541

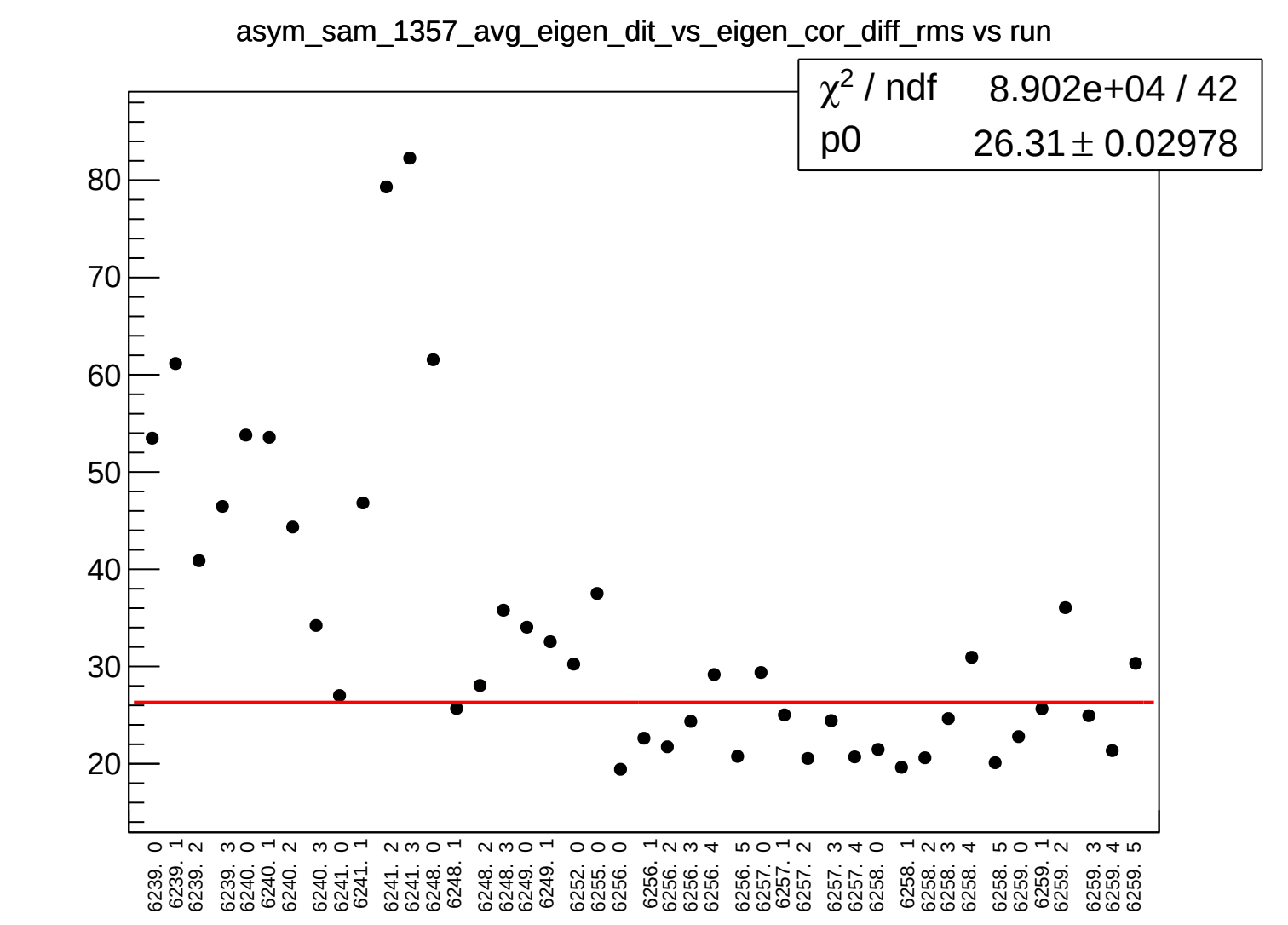

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.902e+04 / 42
p0 26.31 ± 0.02978
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

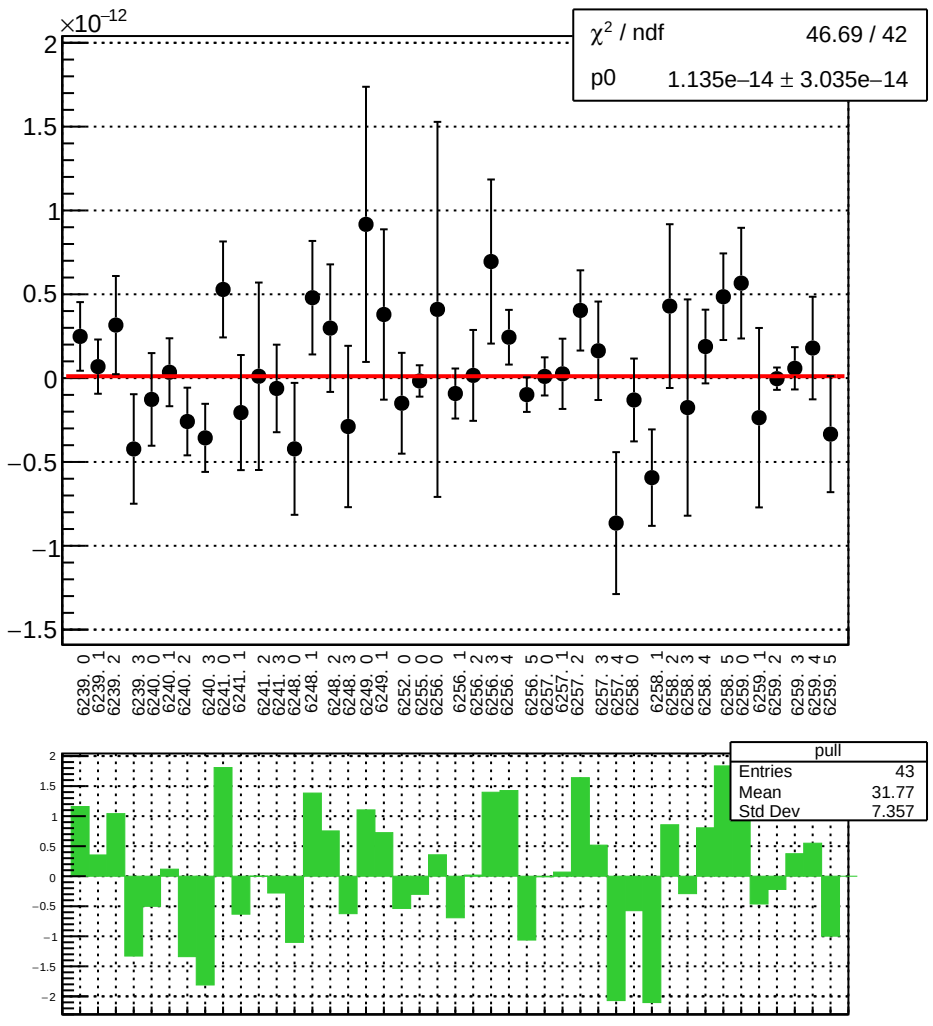
asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

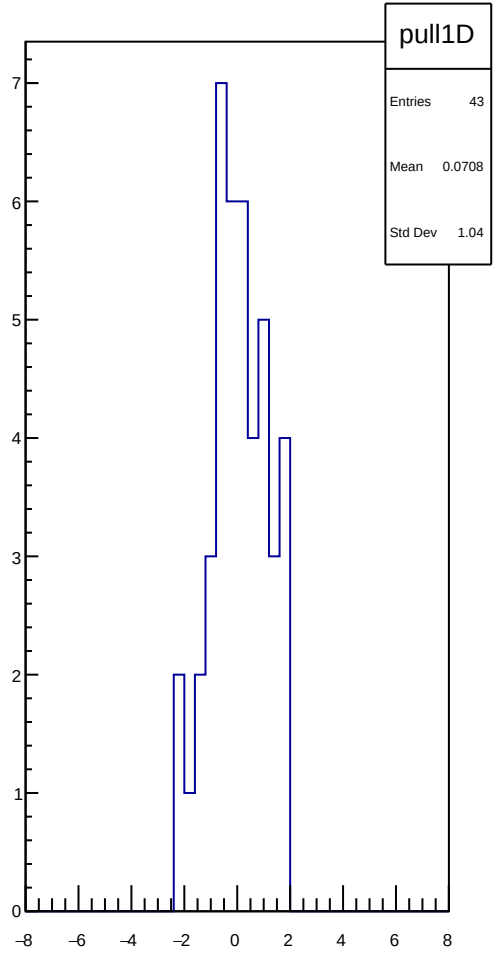


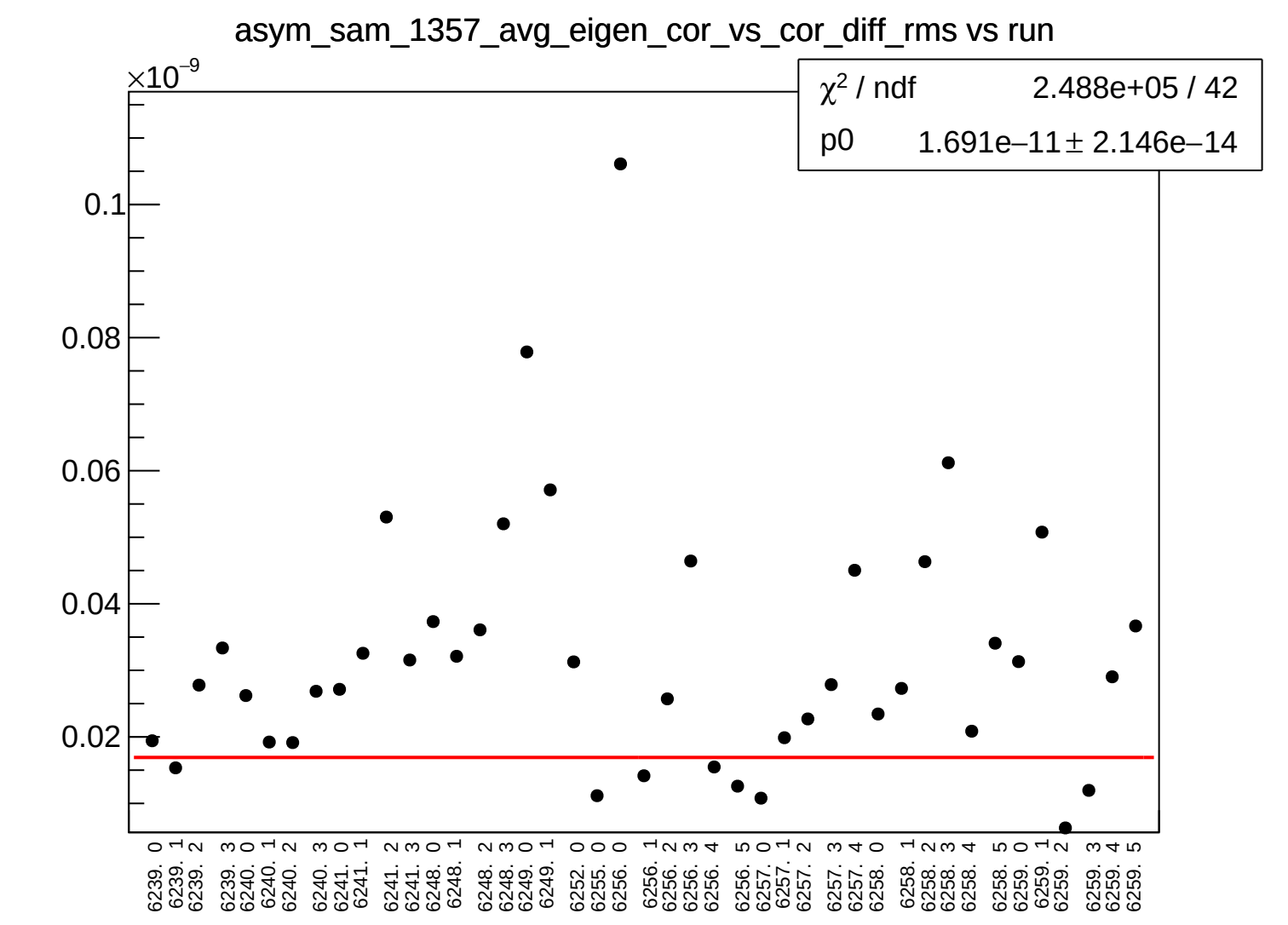



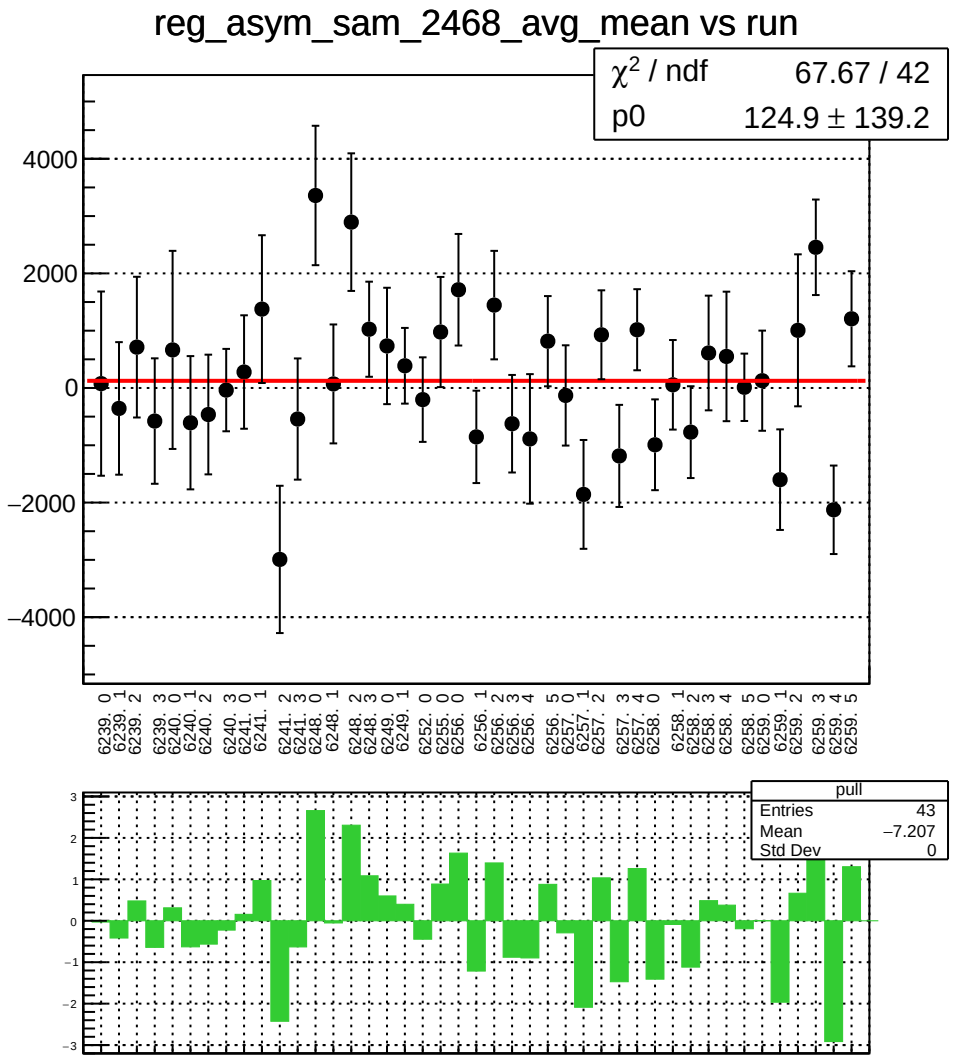



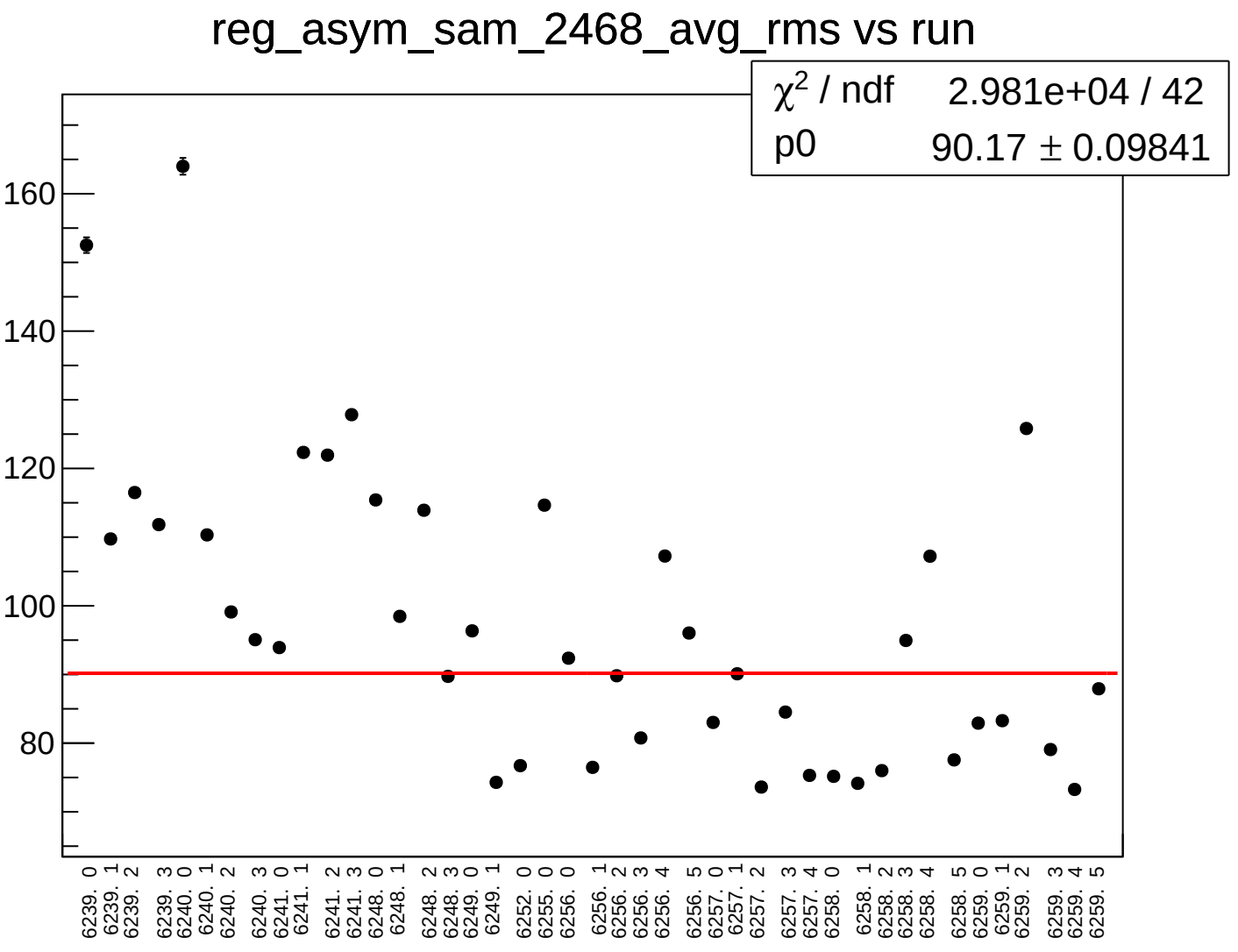

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 8.902e+04 / 42
p0 26.31 ± 0.02978
80
70
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

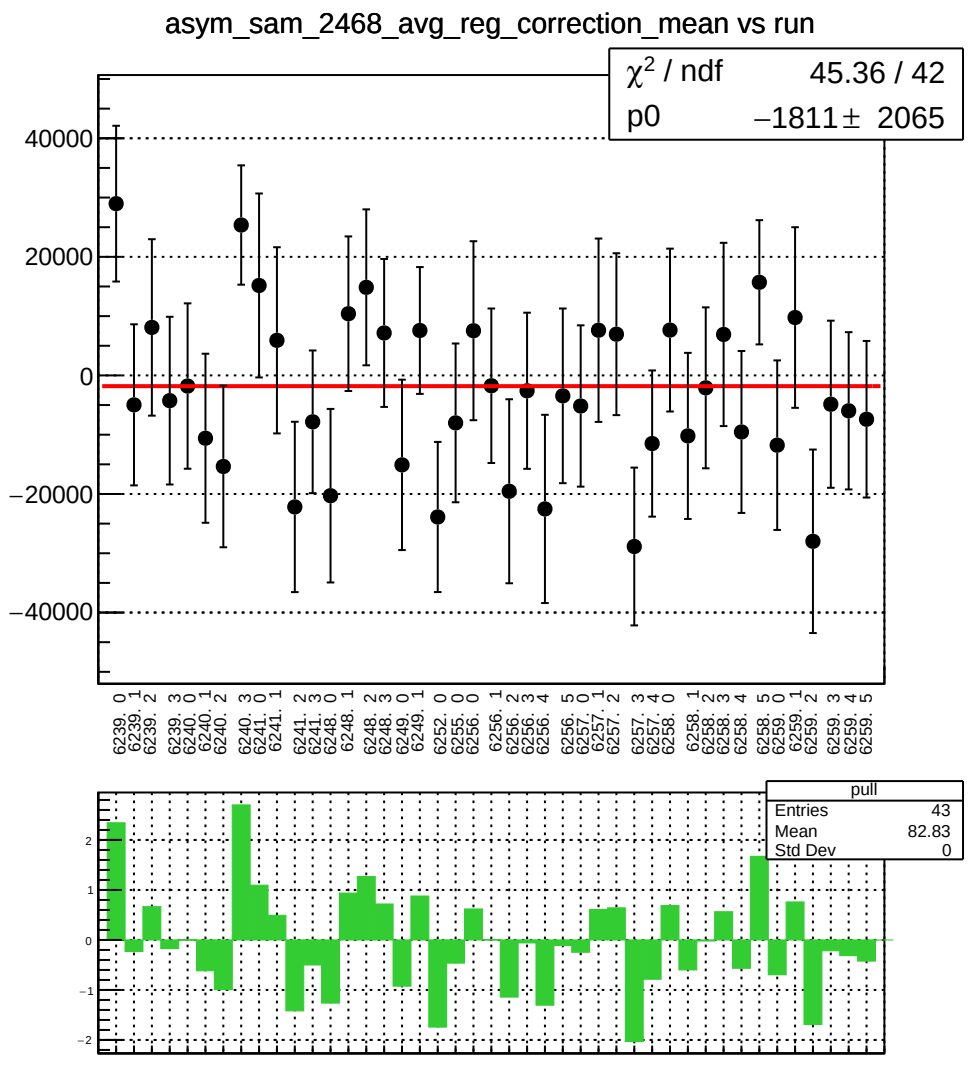

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.69 / 42
p0 1.135e−14 ± 3.035e−14
pull
Entries 43
Mean 31.77
Std Dev 7.357

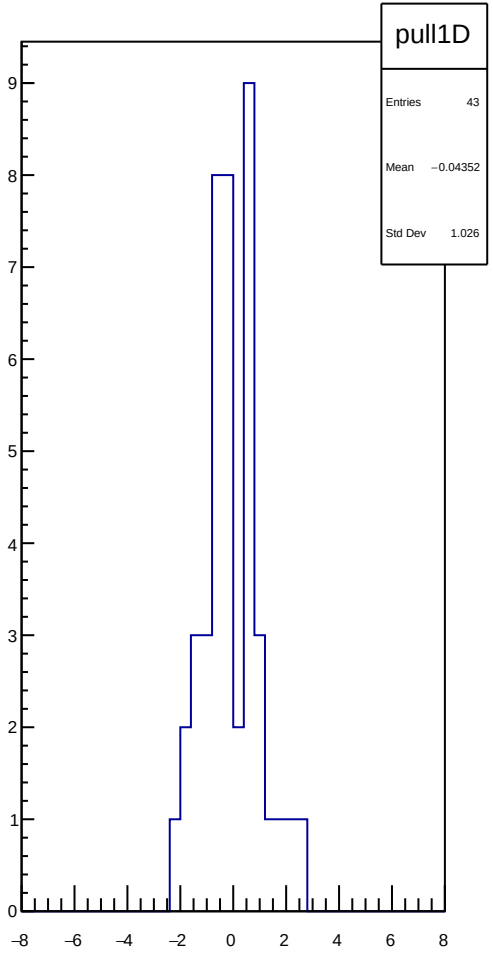

pull1D
Entries 43
Mean 0.0708
Std Dev 1.04

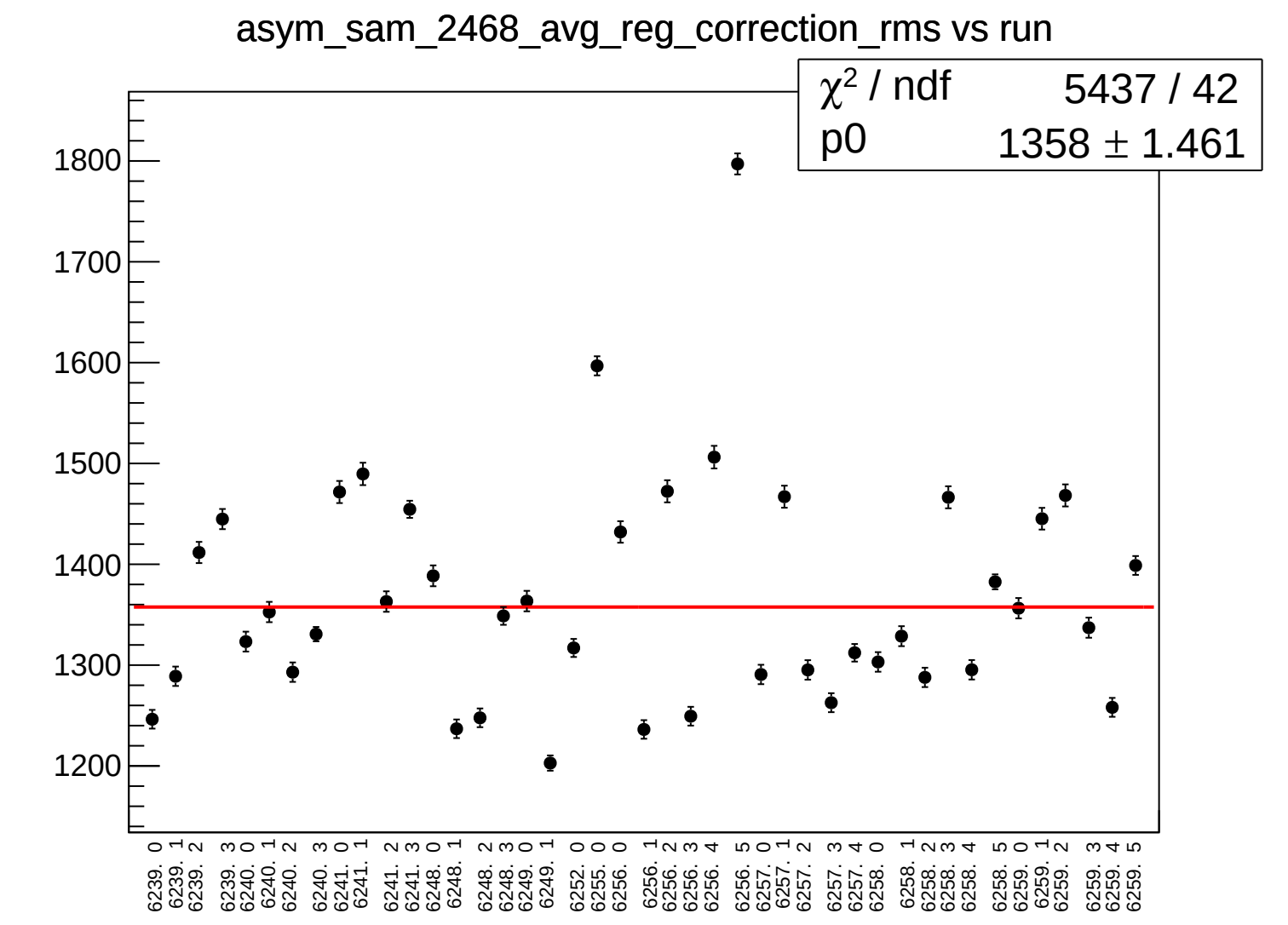

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.488e+05 / 42
p0 1.691e−11 ± 2.146e−14
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

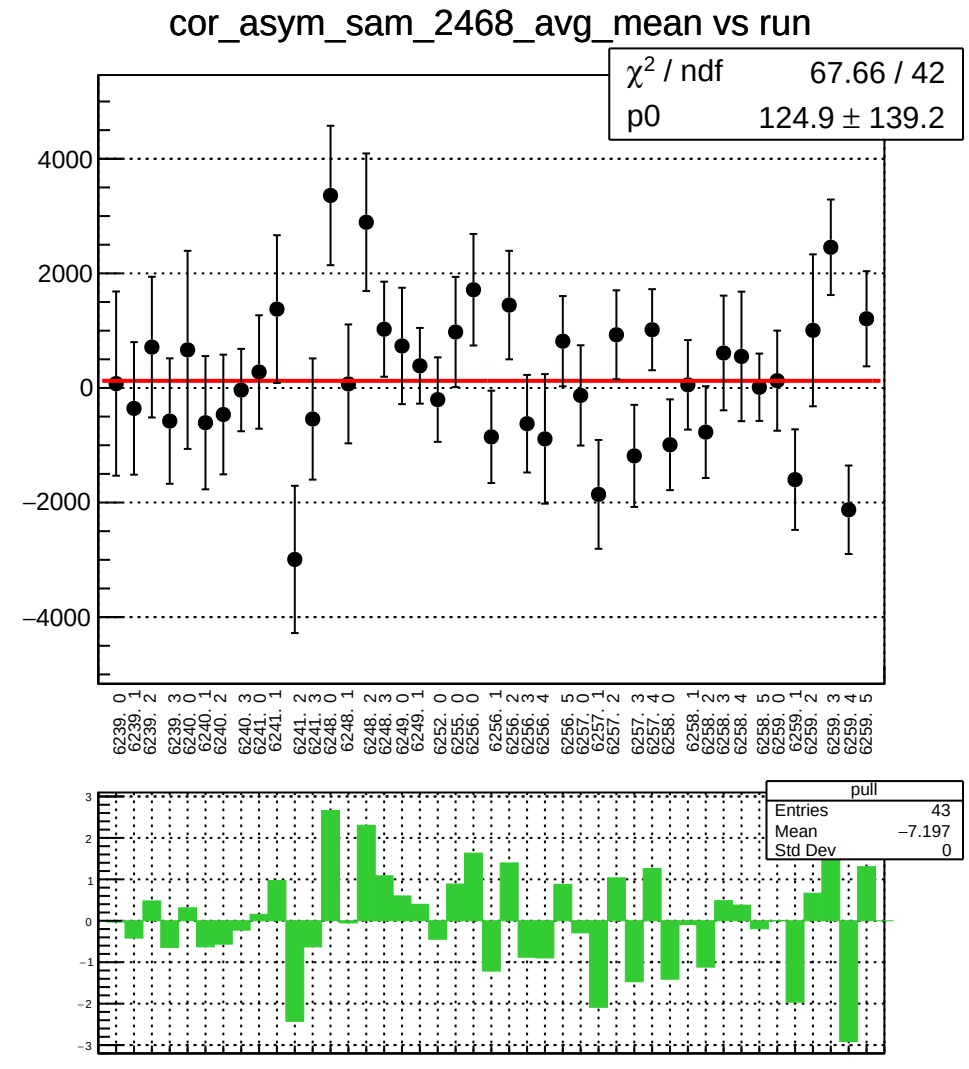

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 67.67 / 42
p0 124.9 ± 139.2
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −7.207
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02544
Std Dev 1.254
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

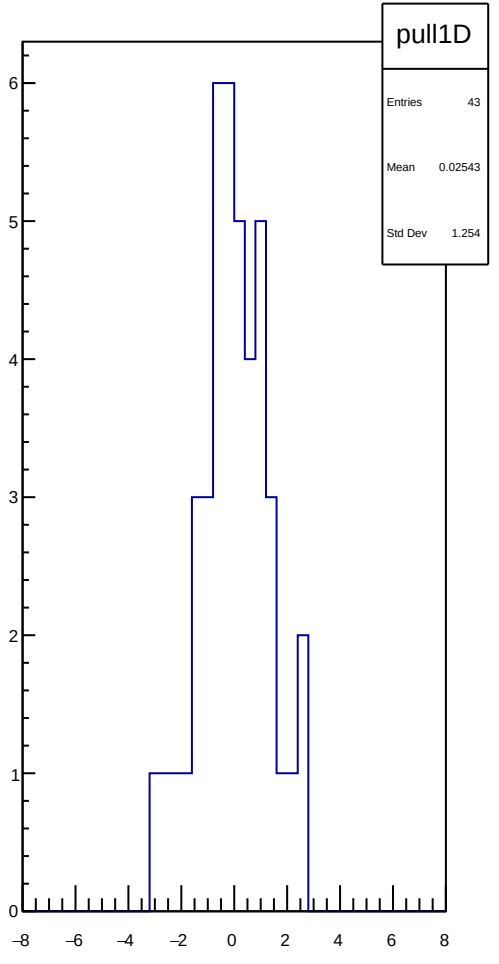

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 2.981e+04 / 42
p0 90.17 ± 0.09841
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

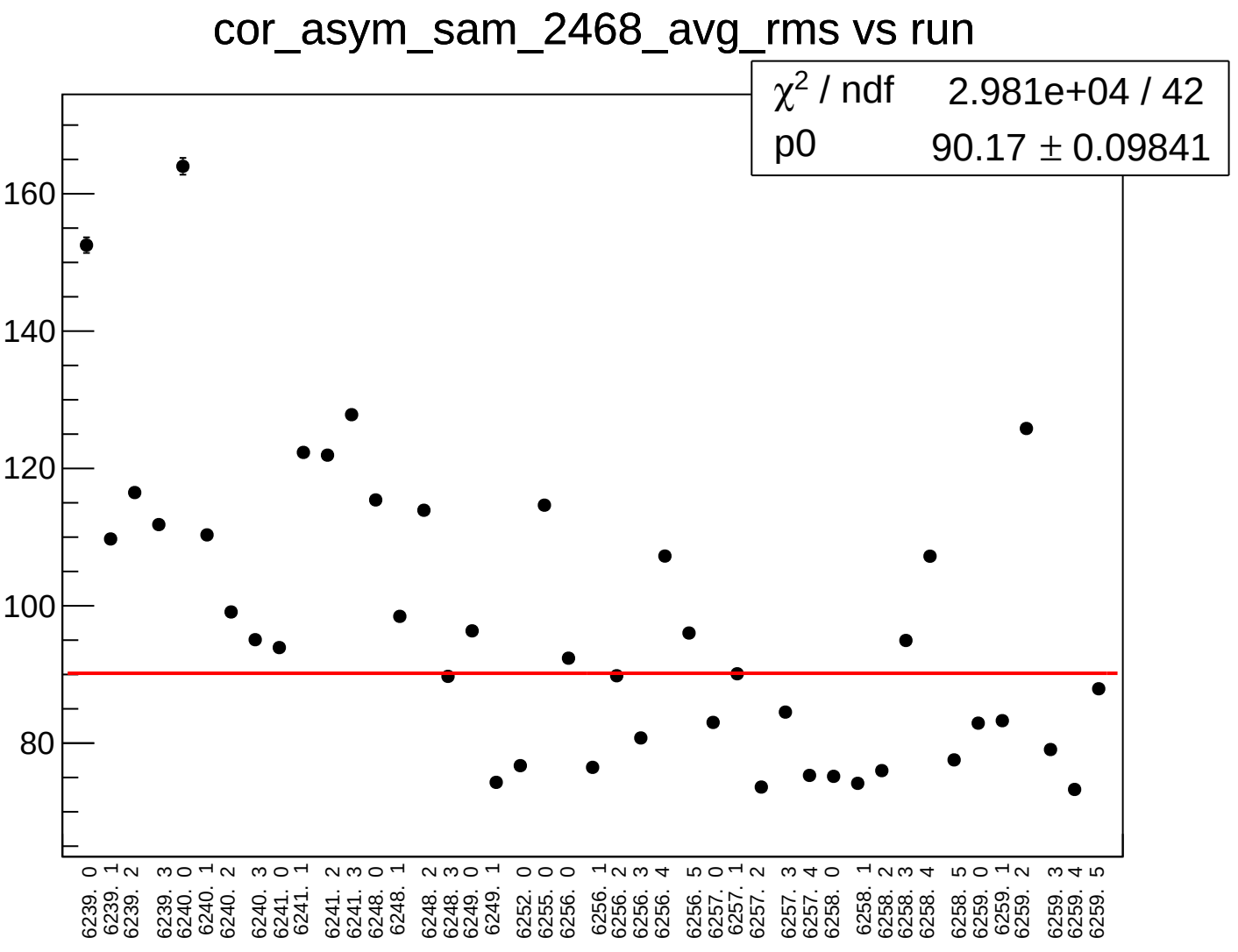

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 45.36 / 42
p0 −1811 ± 2065
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.83
Std Dev 0
2
1
0
−1
−2

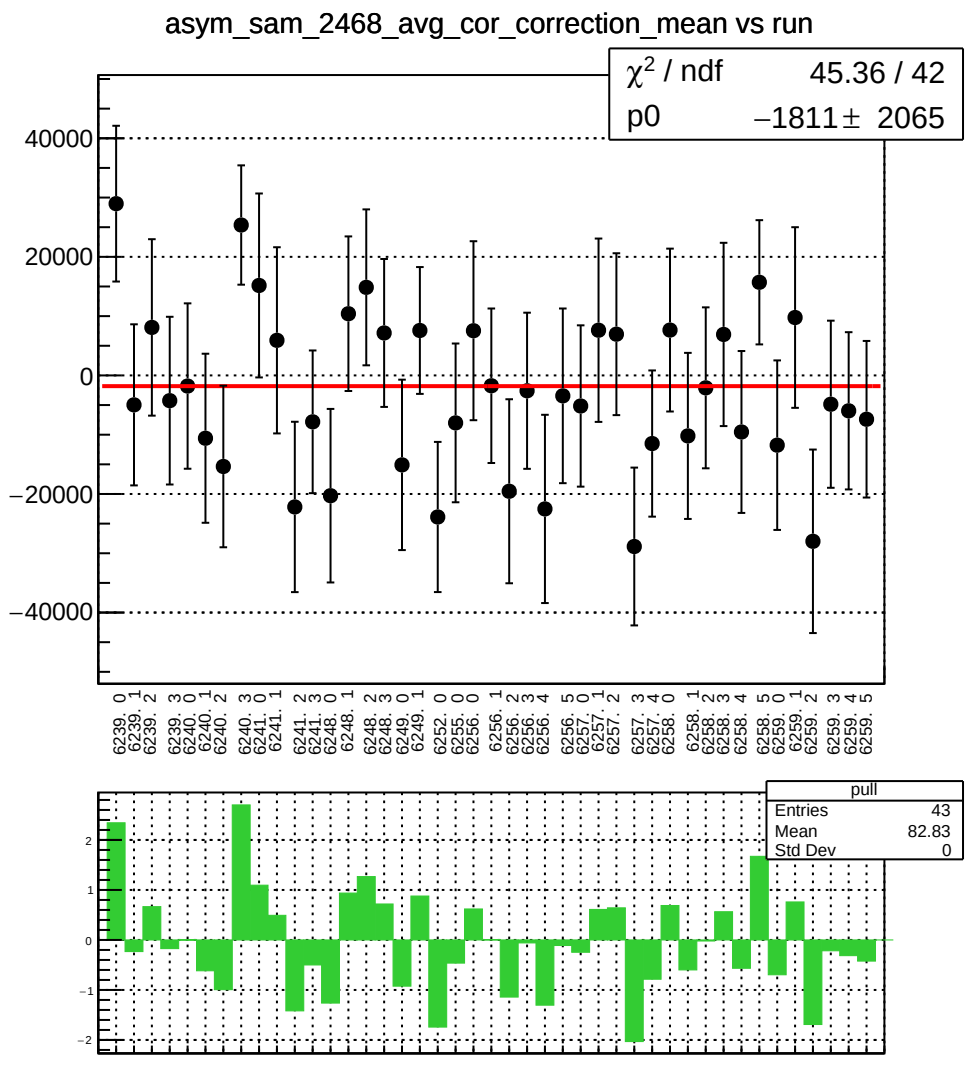

pull1D
Entries 43
Mean −0.04352
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

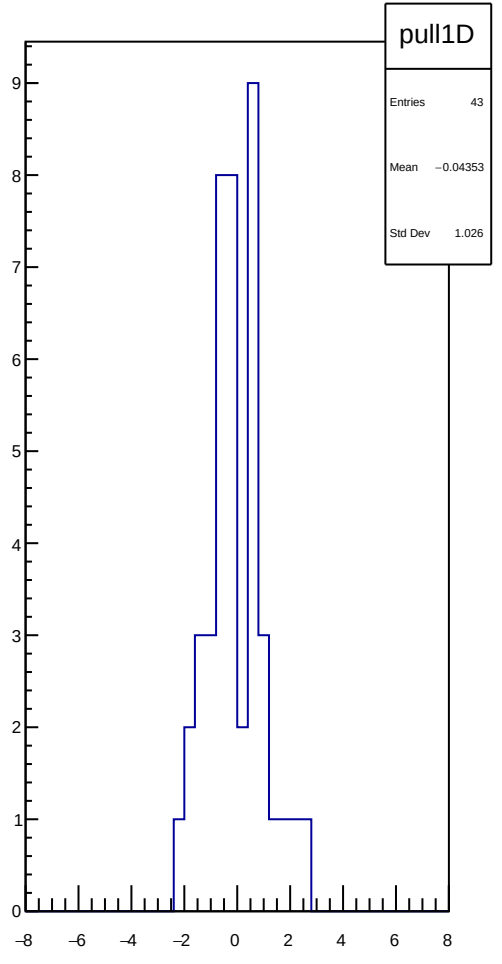

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 5437 / 42
p0 1358 ± 1.461
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

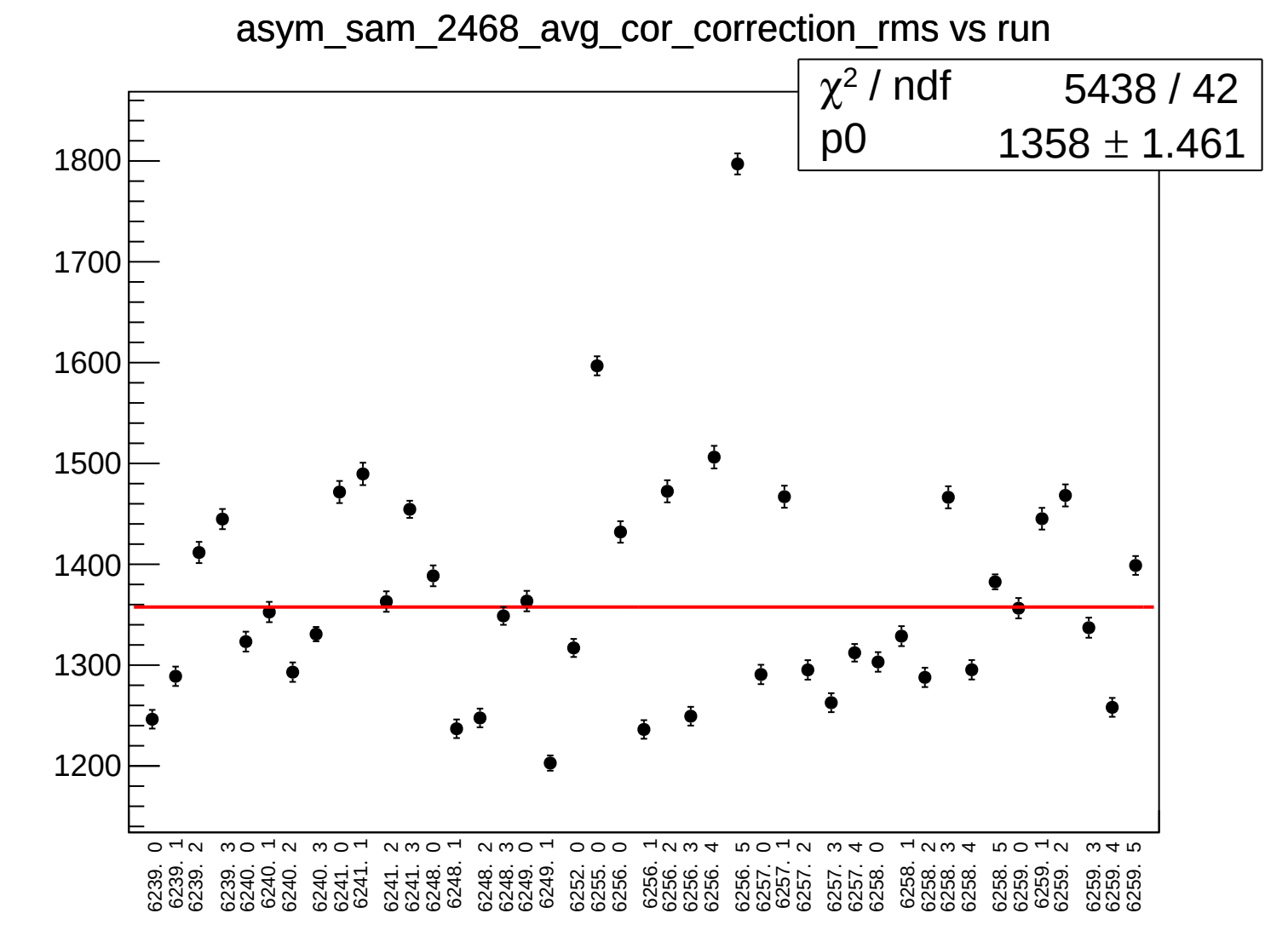

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 67.66 / 42
p0 124.9 ± 139.2
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −7.197
Std Dev 0
3
2
1
0
−1
−2
−3

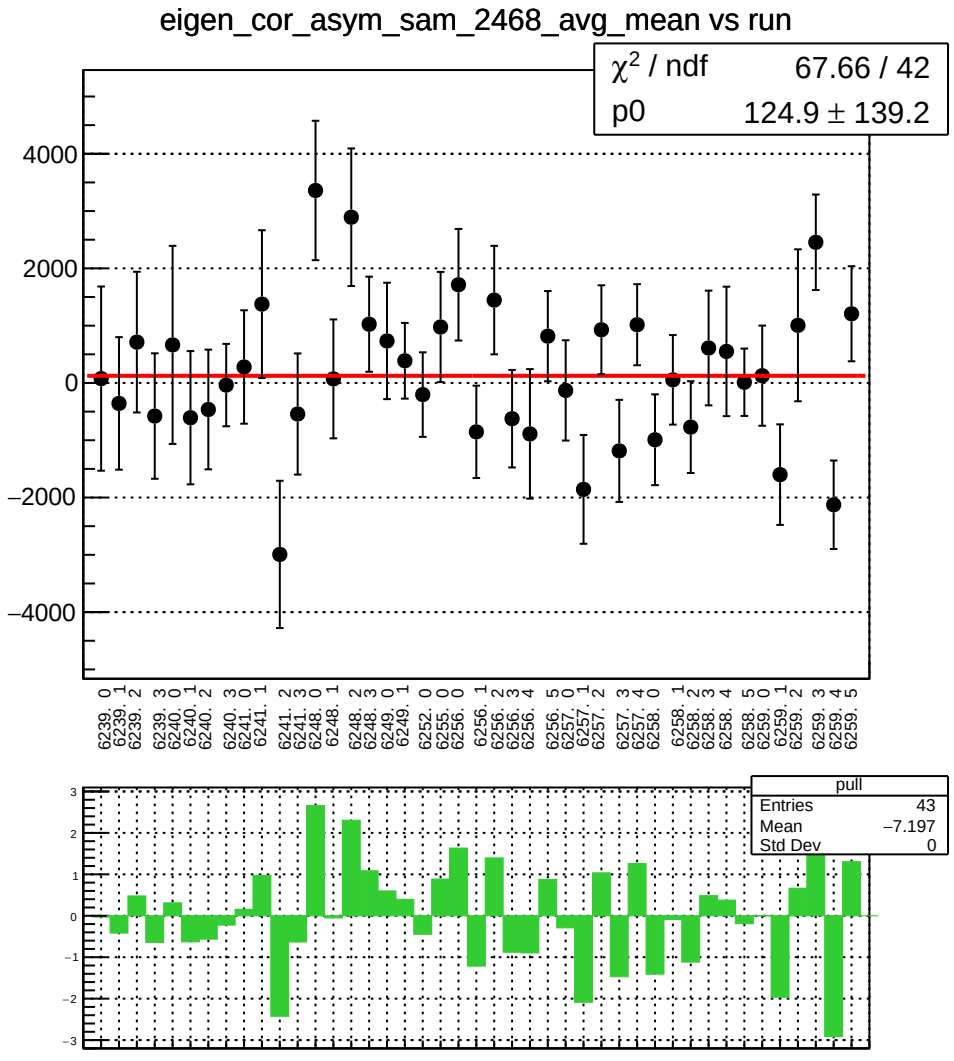

pull1D
Entries 43
Mean 0.02543
Std Dev 1.254
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

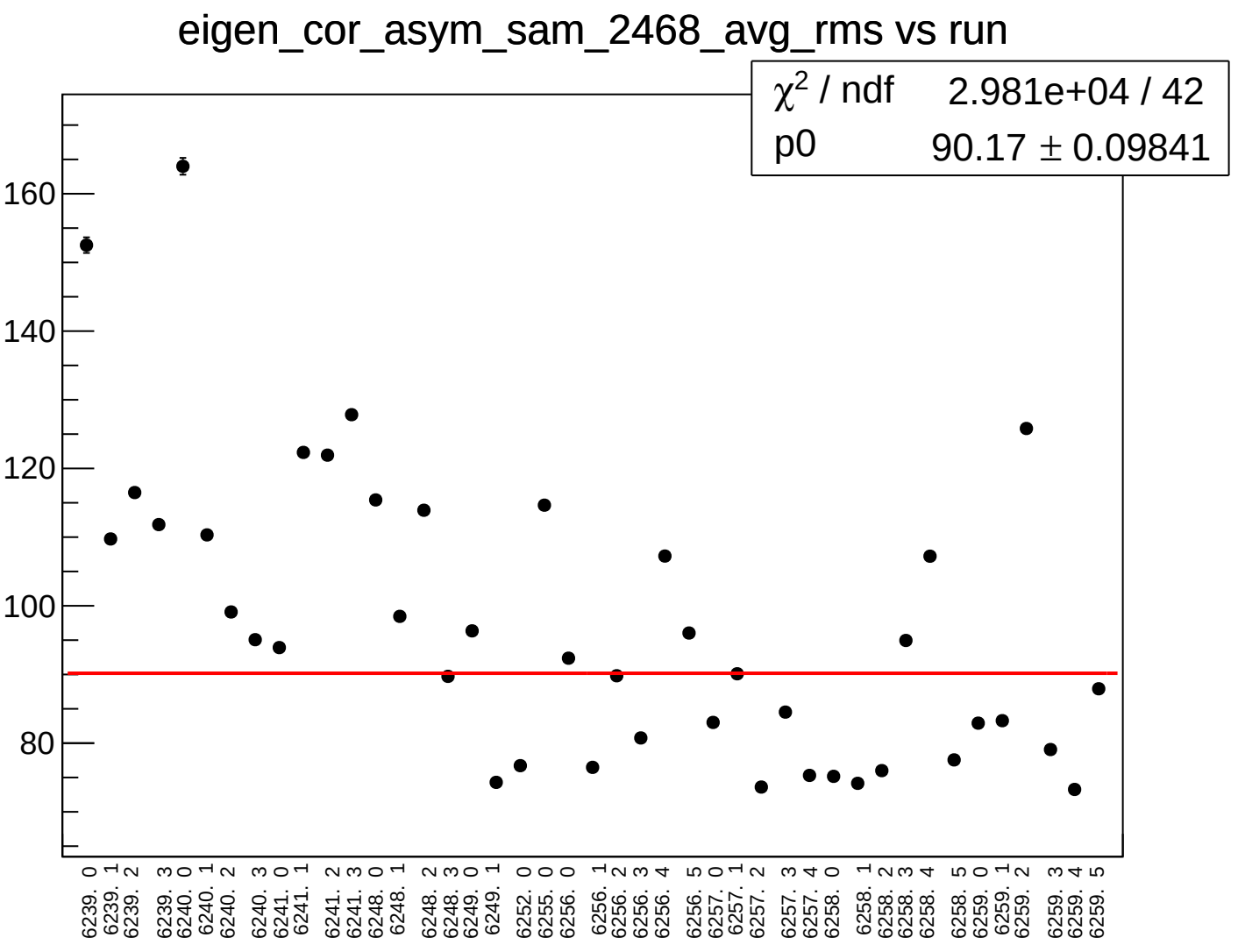

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 2.981e+04 / 42
p0 90.17 ± 0.09841
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

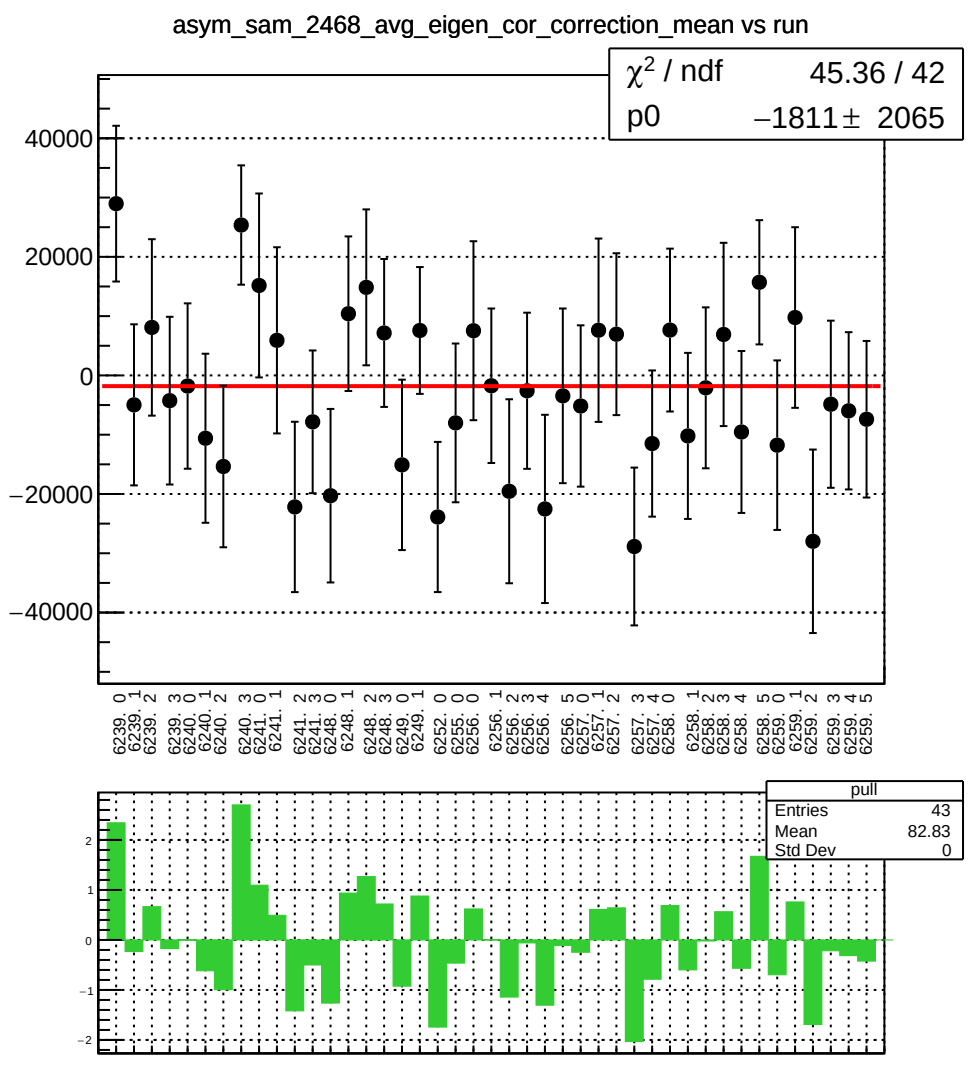

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 45.36 / 42
p0 −1811 ± 2065
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.83
Std Dev 0
2
1
0
−1
−2

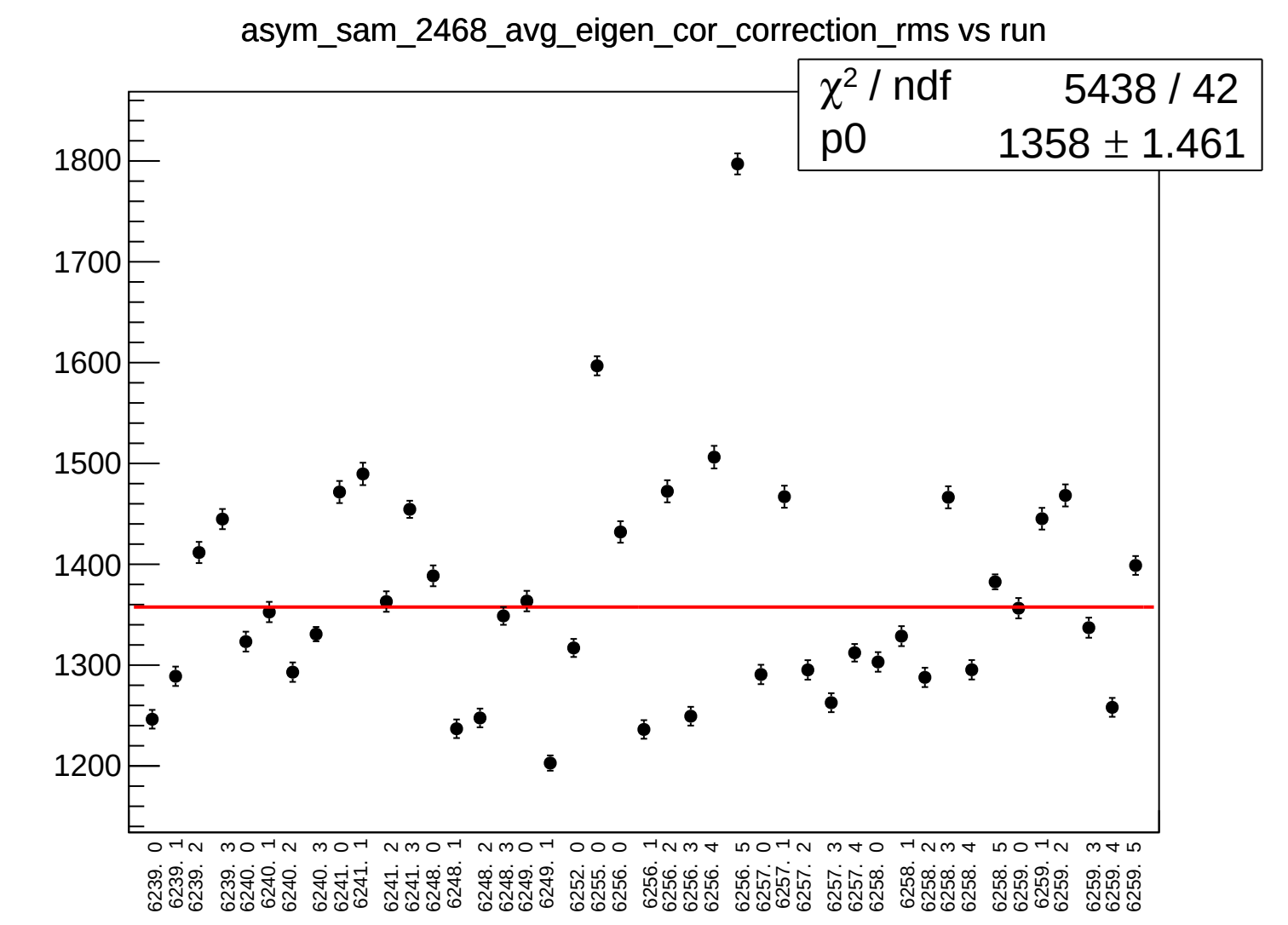

pull1D
Entries 43
Mean −0.04353
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

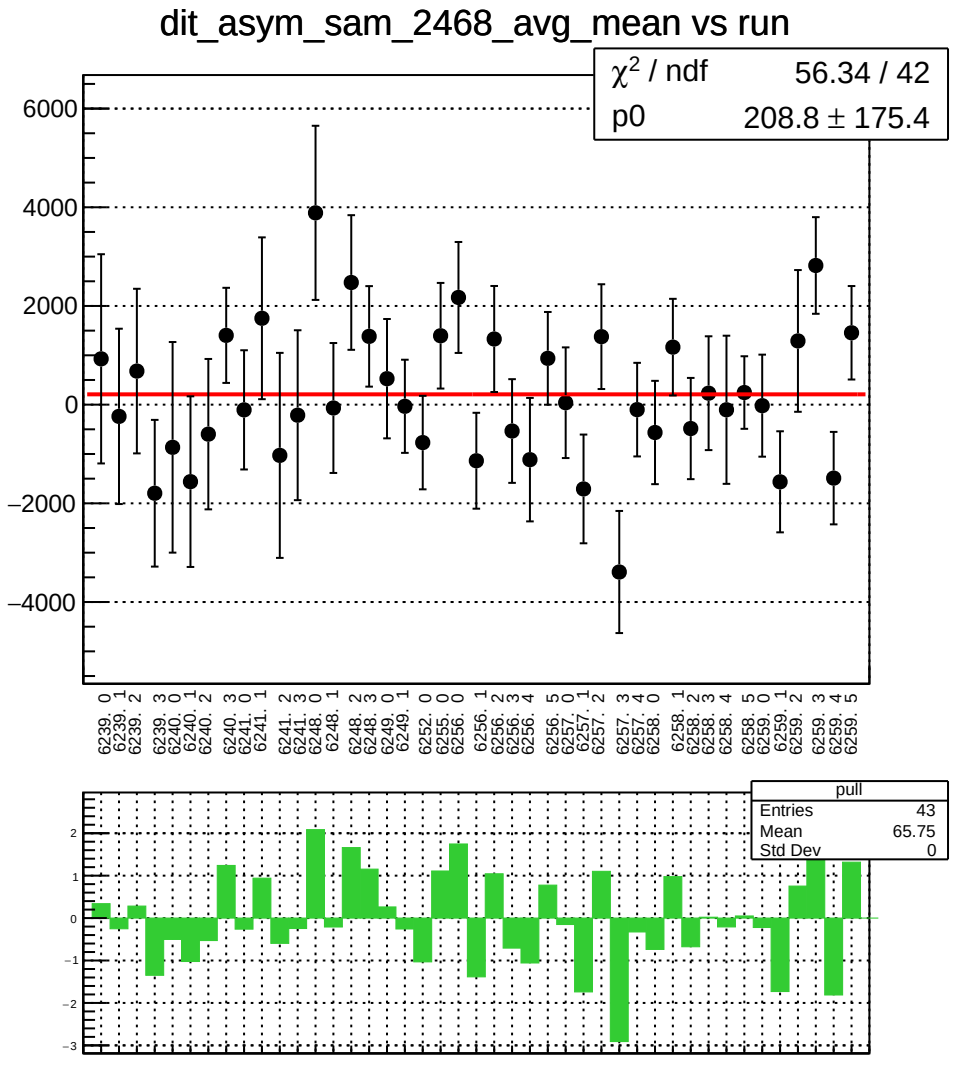

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 5438 / 42
p0 1358 ± 1.461
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

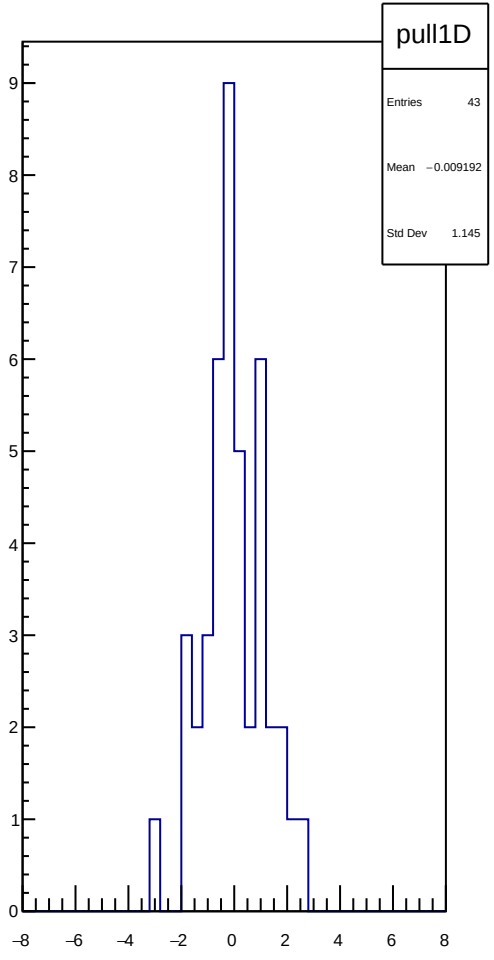

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 67.66 / 42
p0 124.9 ± 139.2
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −7.197
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02543
Std Dev 1.254
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

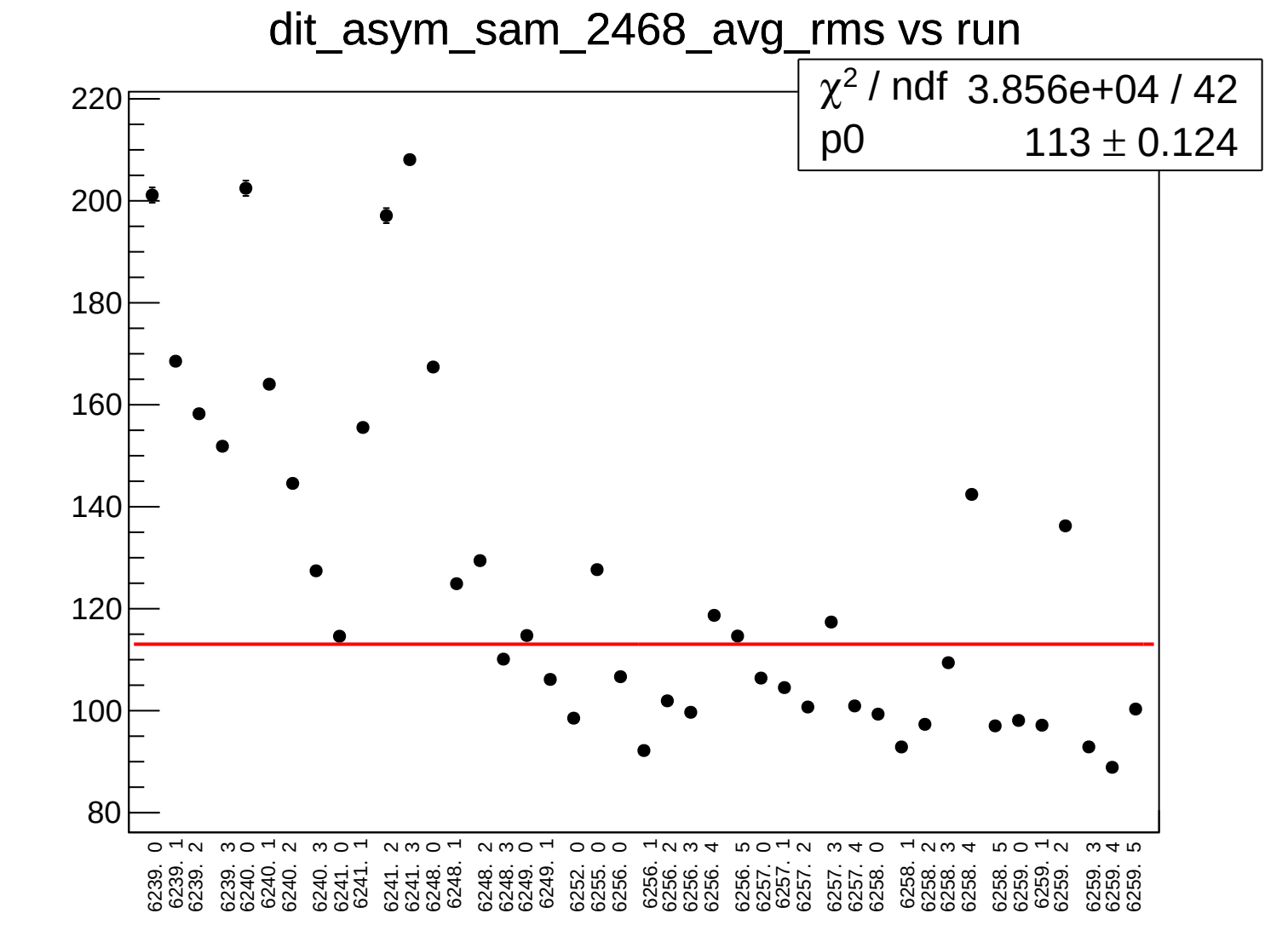

eigen_cor_asym_sam_2468_avg_rms vs run
$\chi^2$ / ndf 2.981e+04 / 42
p0 90.17 ± 0.09841
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

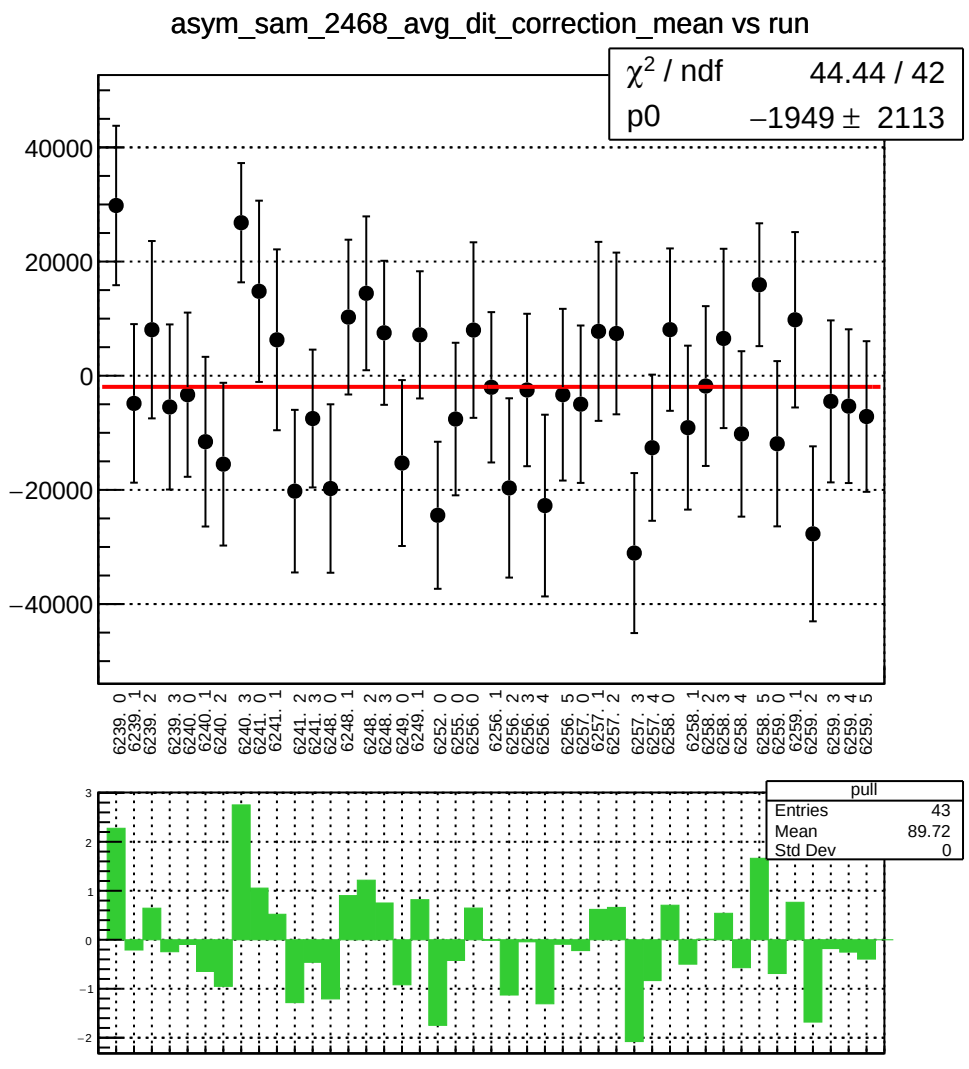

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 45.36 / 42
p0 −1811 ± 2065
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 82.83
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04353
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

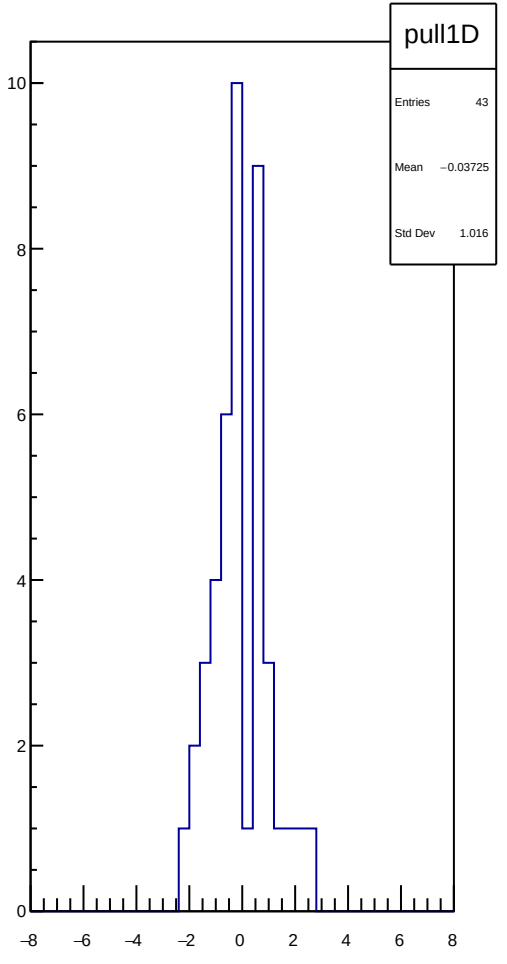

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 5438 / 42
p0 1358 ± 1.461
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

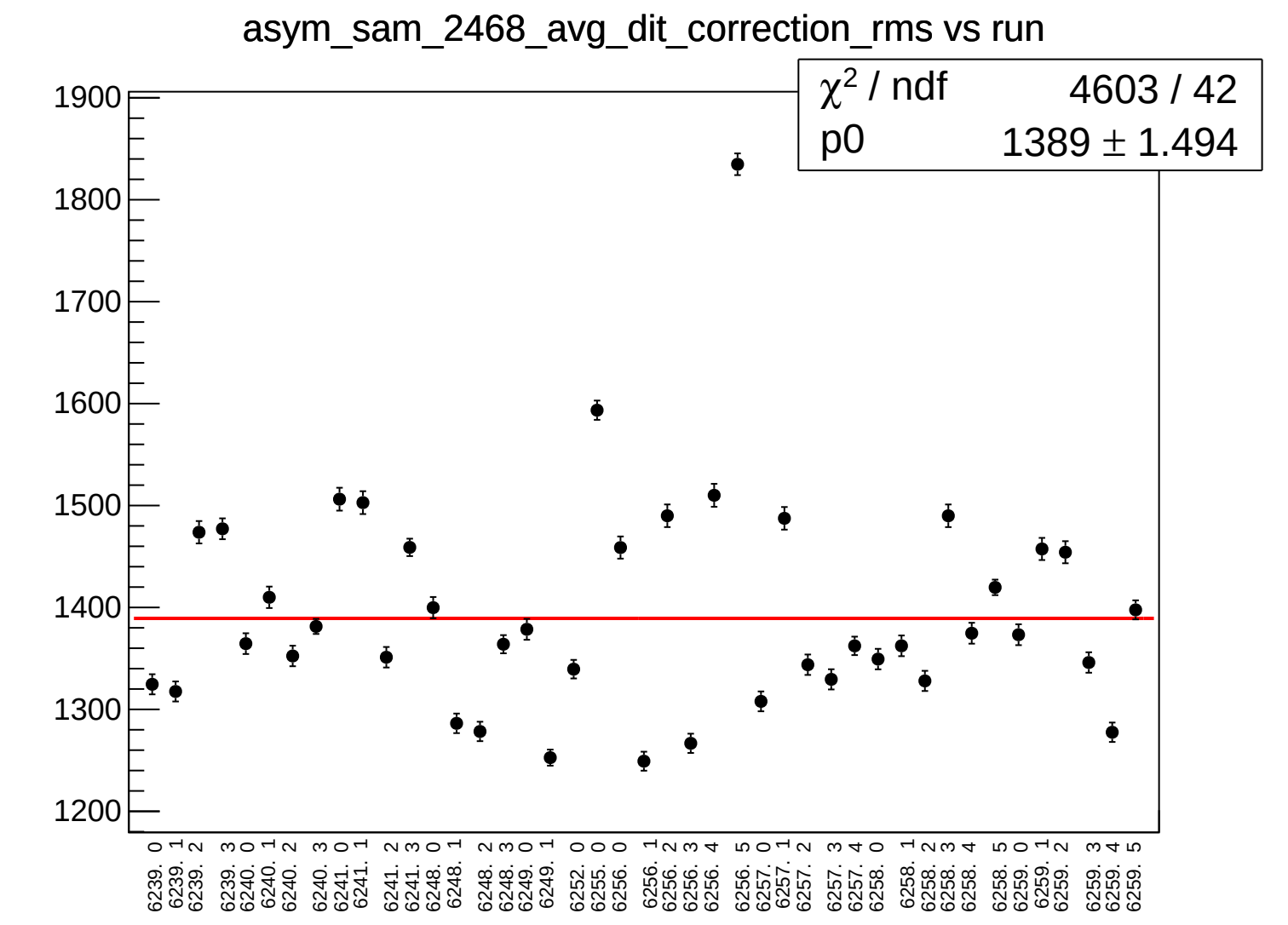

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 56.34 / 42
p0 208.8 ± 175.4
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.75
Std Dev 0
2
1
0
−1
−2
−3

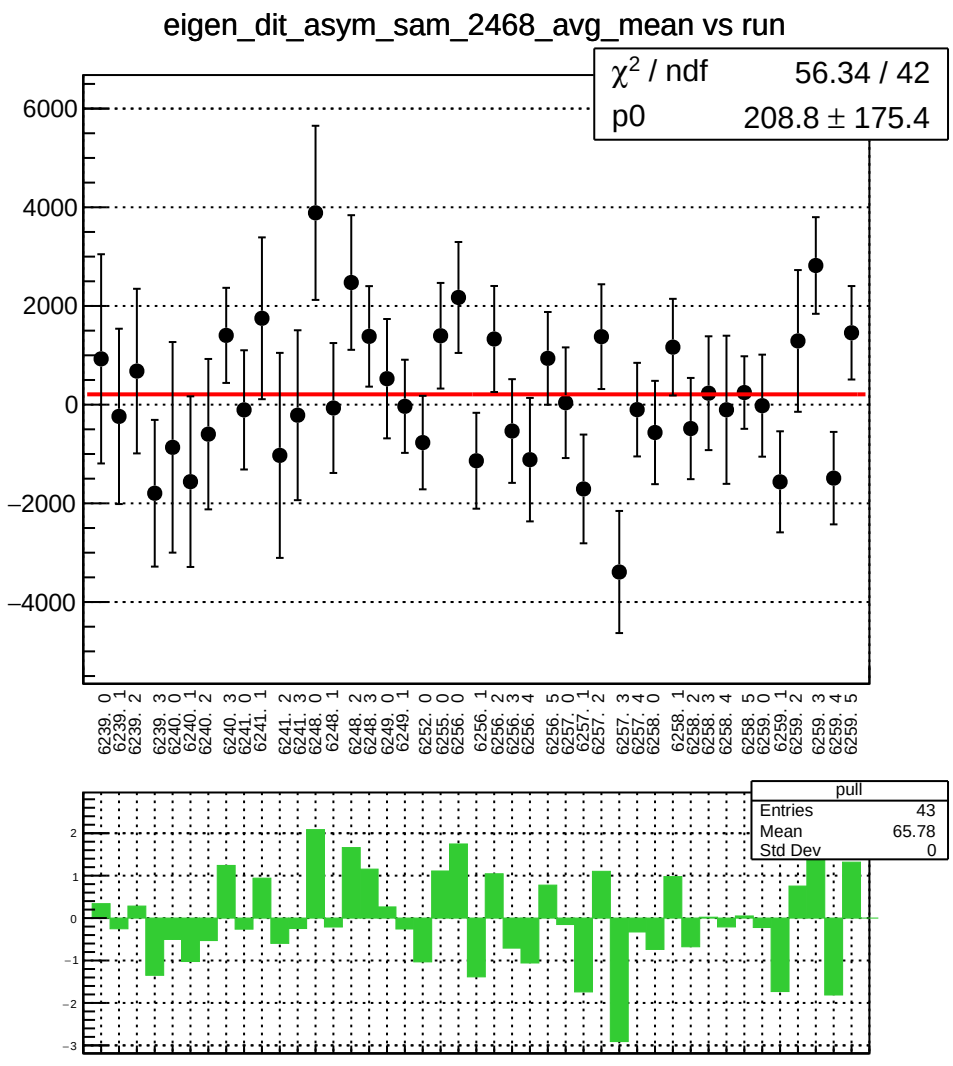

pull1D
Entries 43
Mean −0.009192
Std Dev 1.145
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

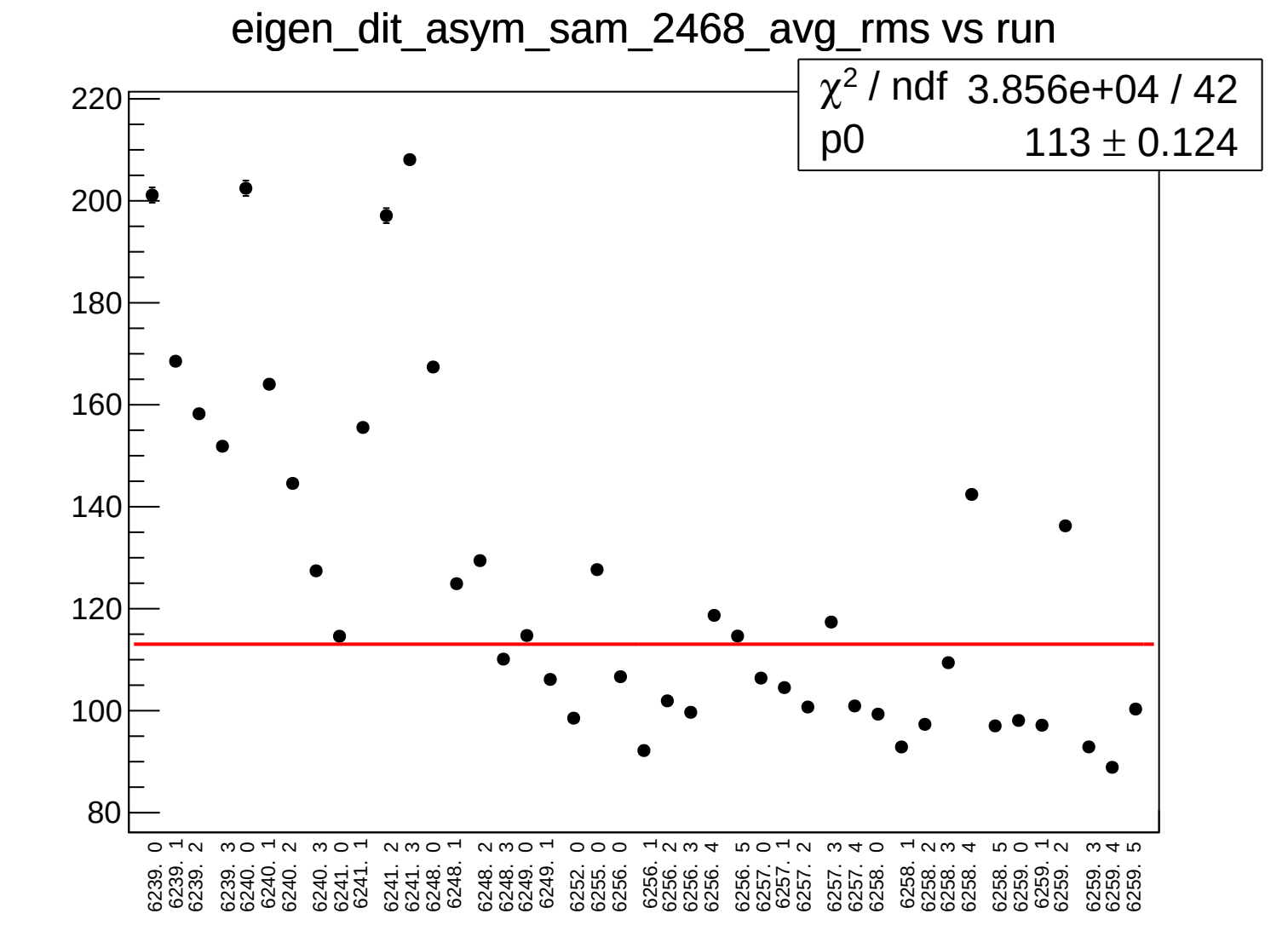

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.856e+04 / 42
p0 113 ± 0.124
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 44.44 / 42
p0 −1949 ± 2113
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.72
Std Dev 0
3
2
1
0
−1
−2

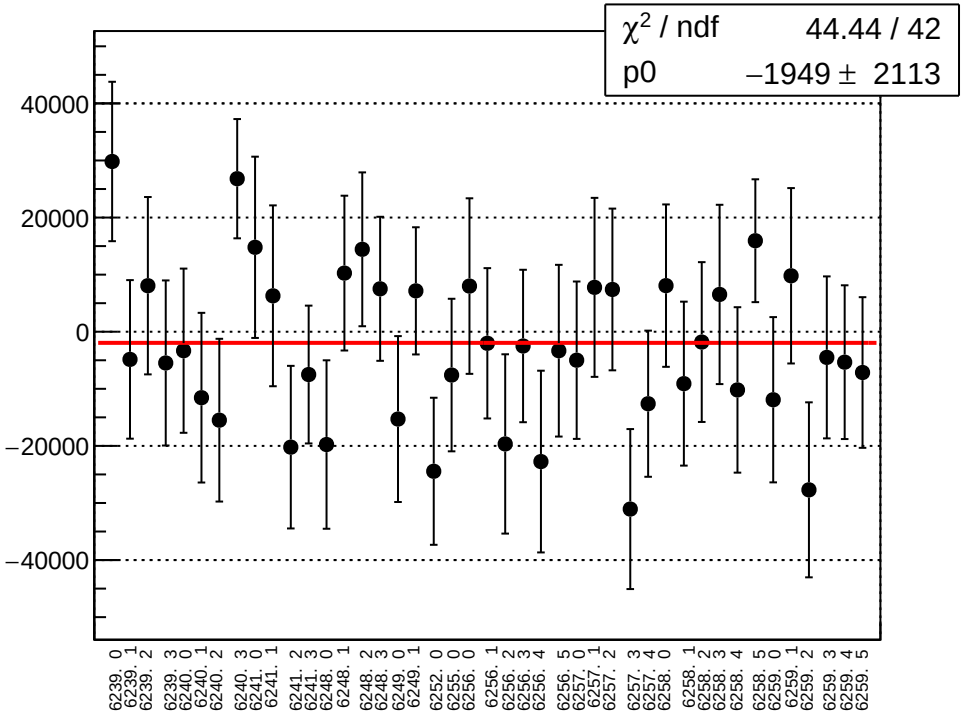

pull1D
Entries 43
Mean −0.03725
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

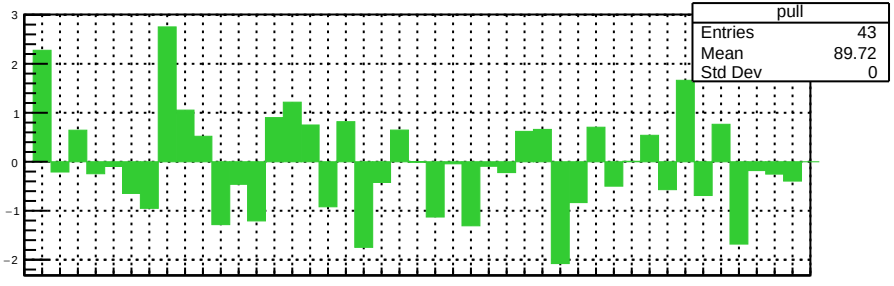

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 4603 / 42
p0 1389 ± 1.494
1900
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

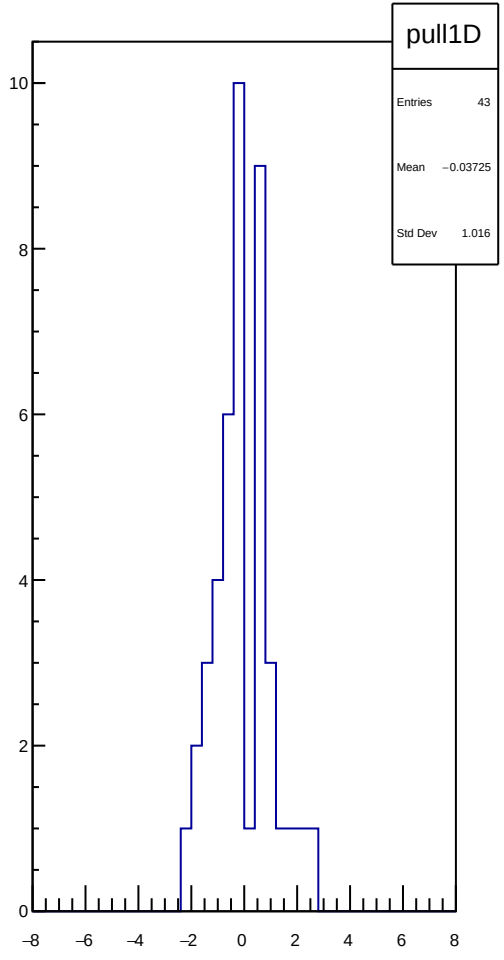

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 56.34 / 42
p0 208.8 ± 175.4
6000
4000
2000
0
−2000
−4000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 65.78
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.009186
Std Dev 1.145
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

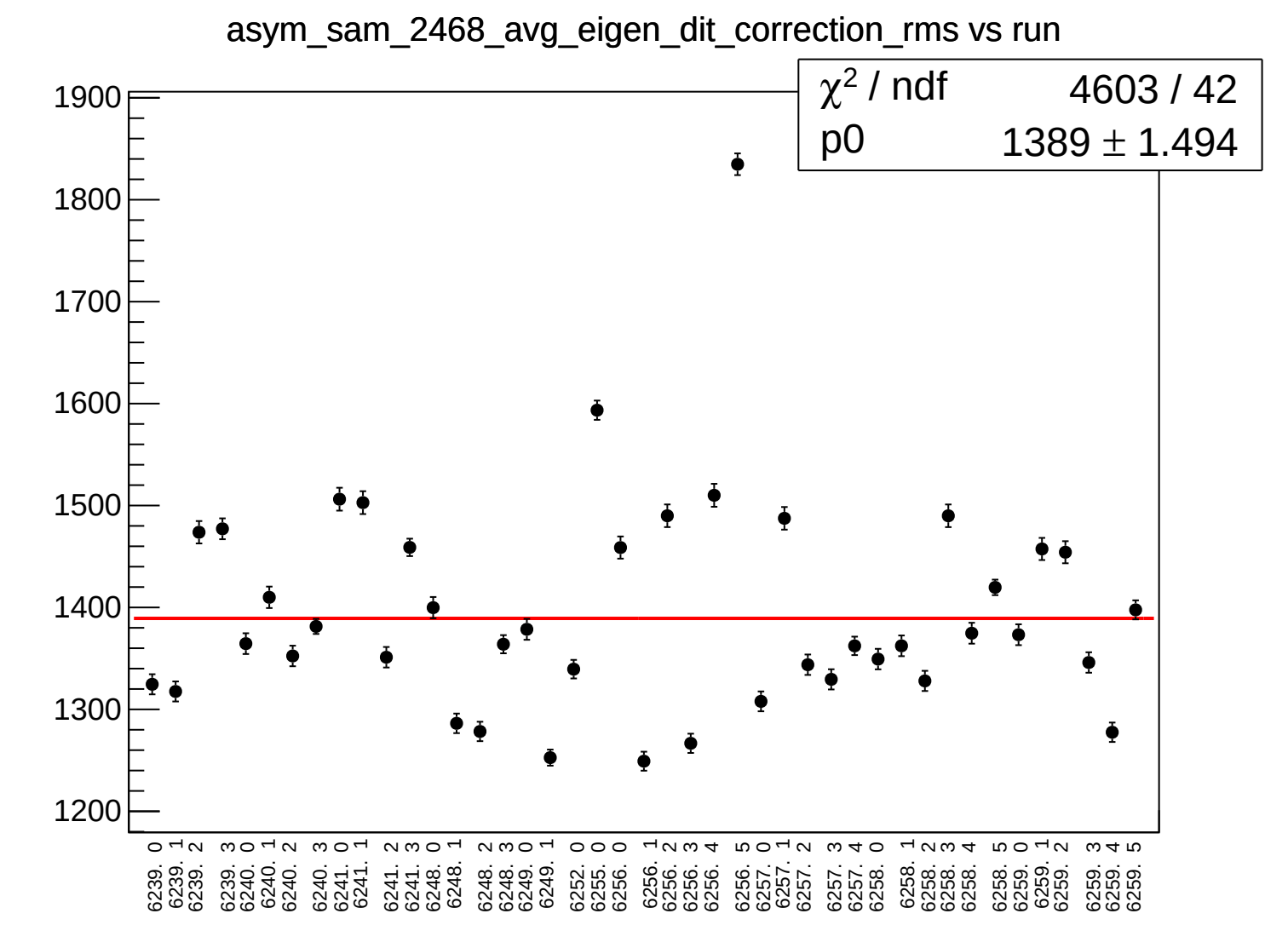

eigen_dit_asym_sam_2468_avg_rms vs run
$\chi^2$ / ndf 3.856e+04 / 42
p0 113 ± 0.124
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

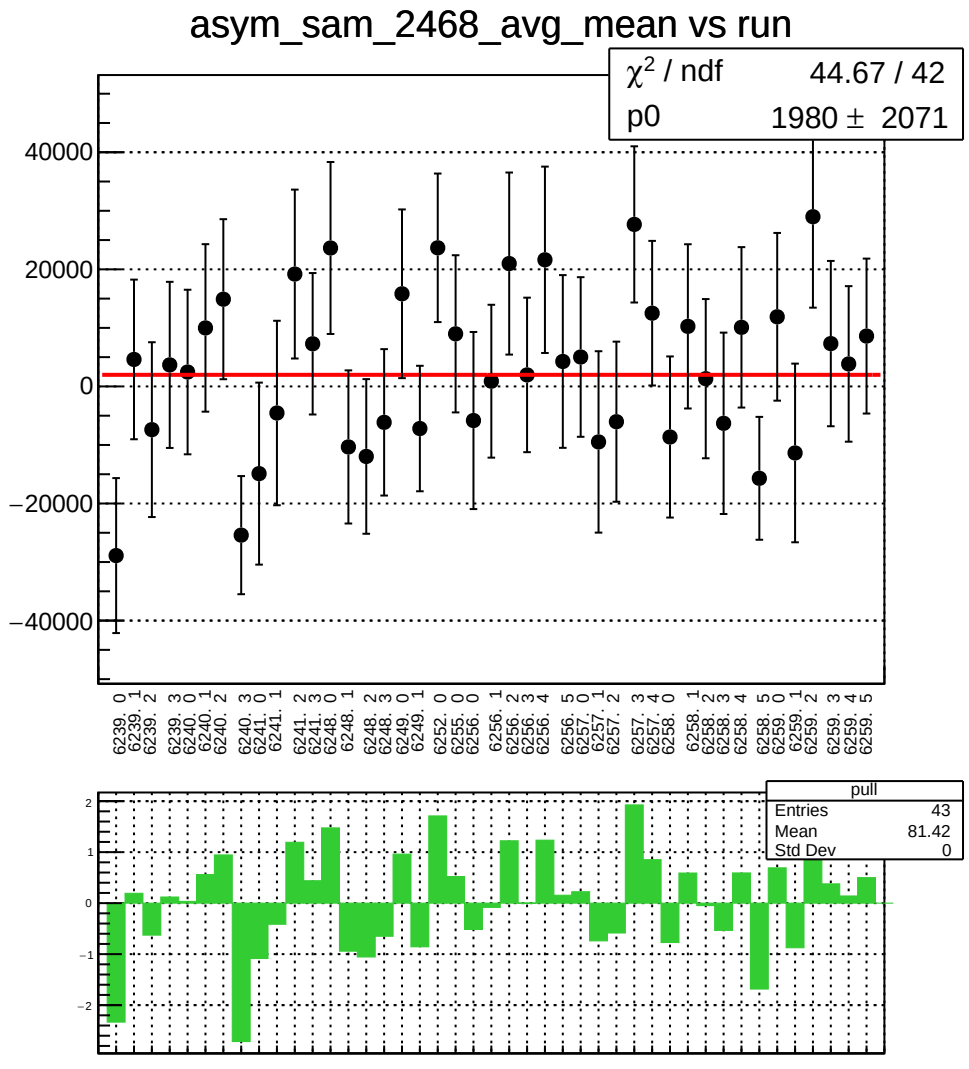
asym_sam_2468_avg_eigen_dit_correction_mean vs run

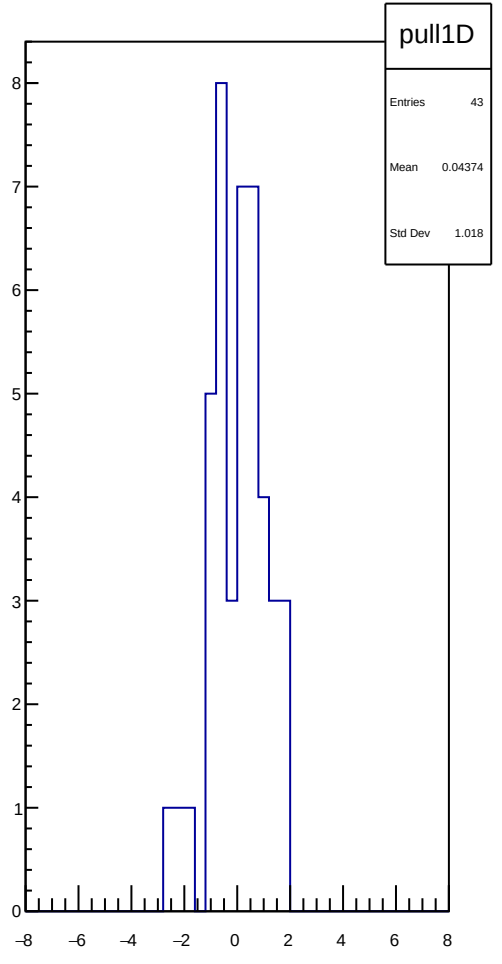


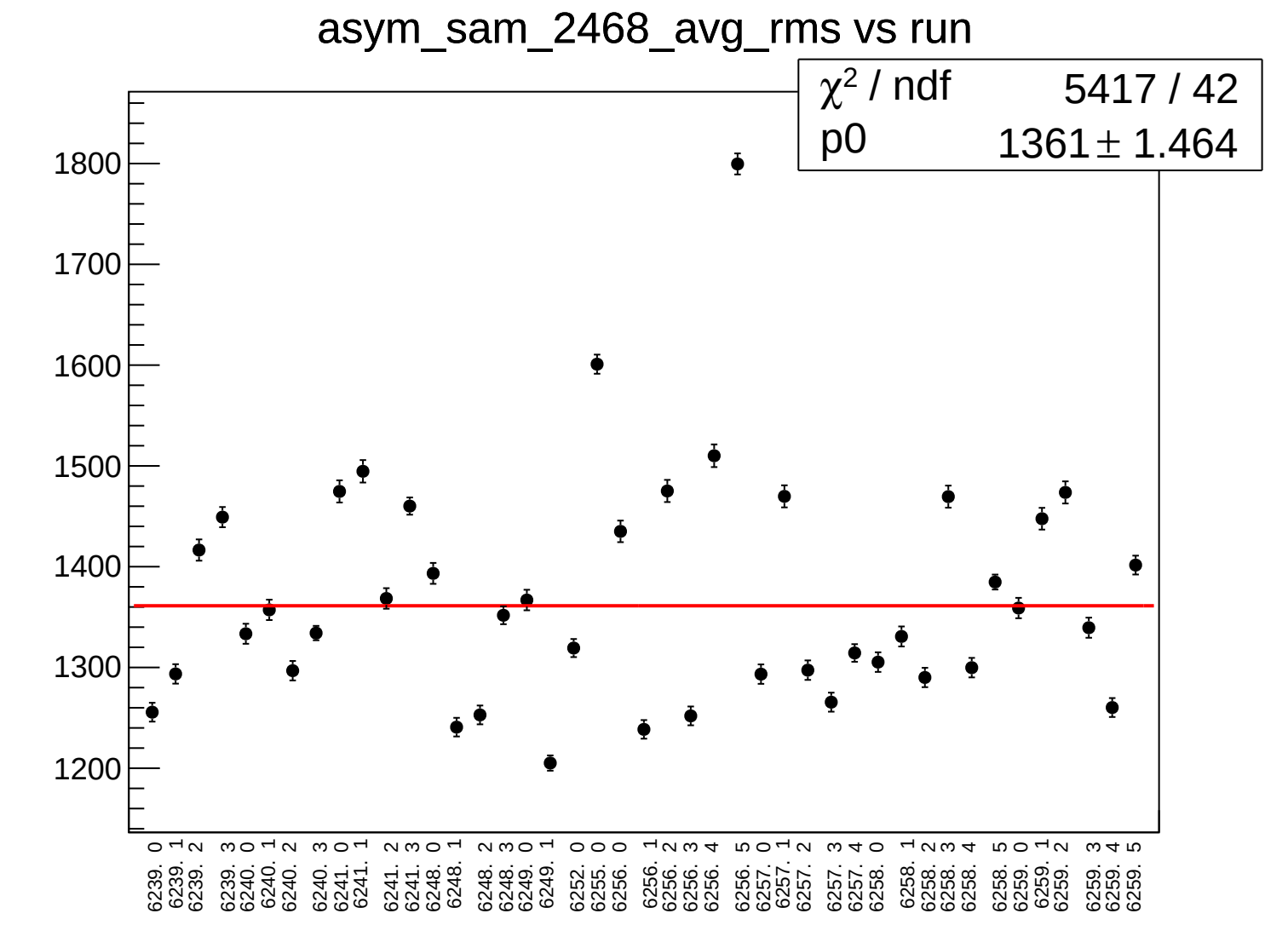



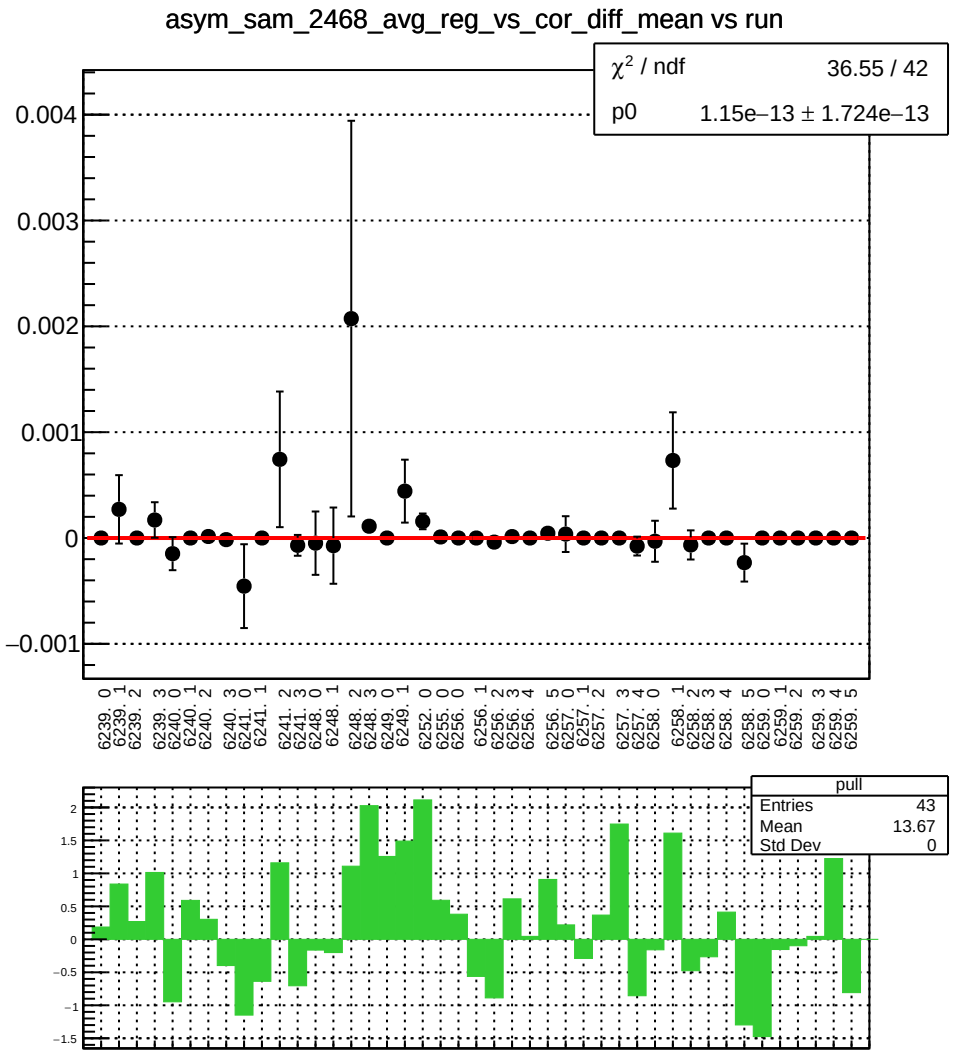



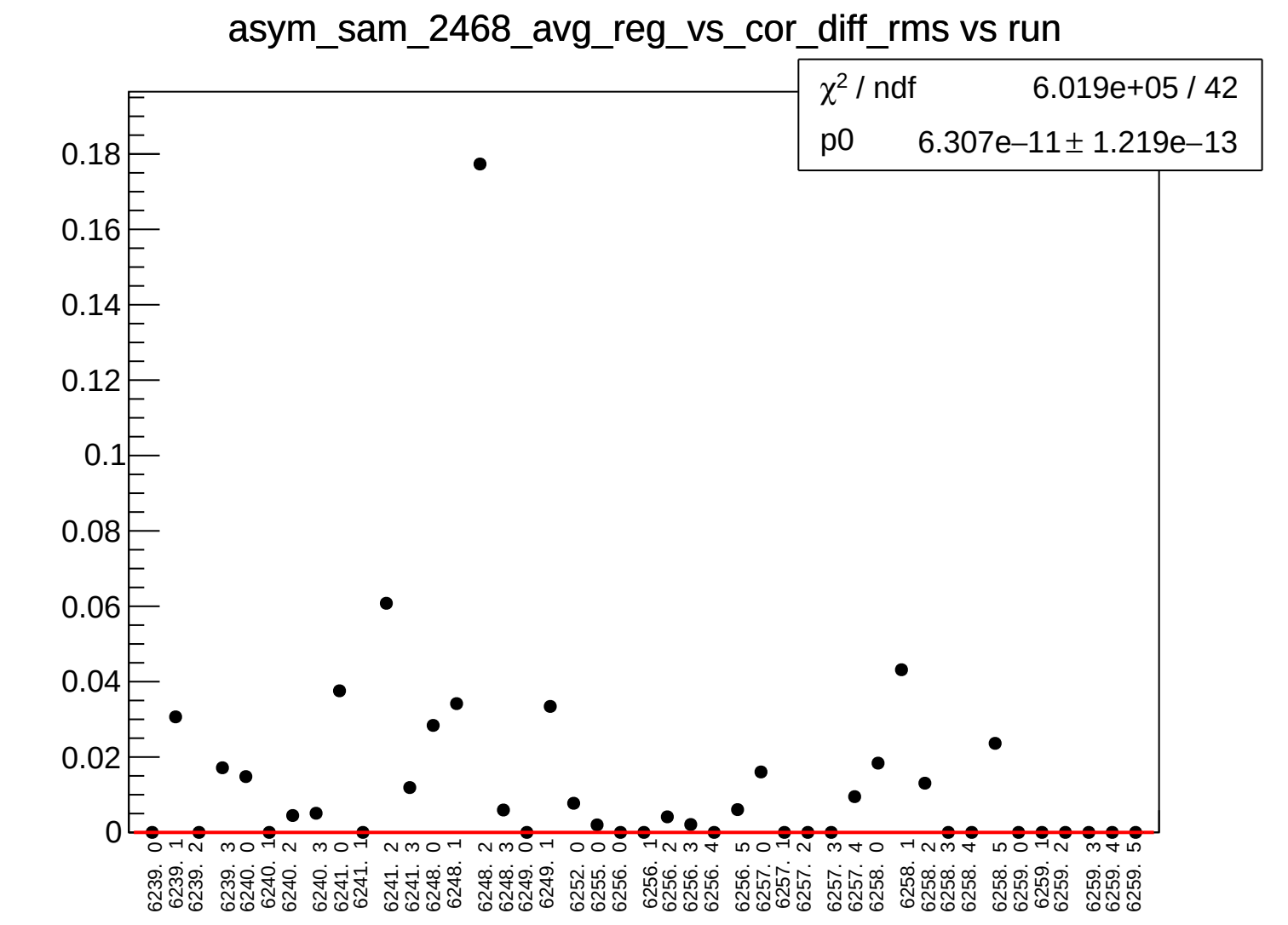

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 4603 / 42
p0 1389 ± 1.494
1900
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

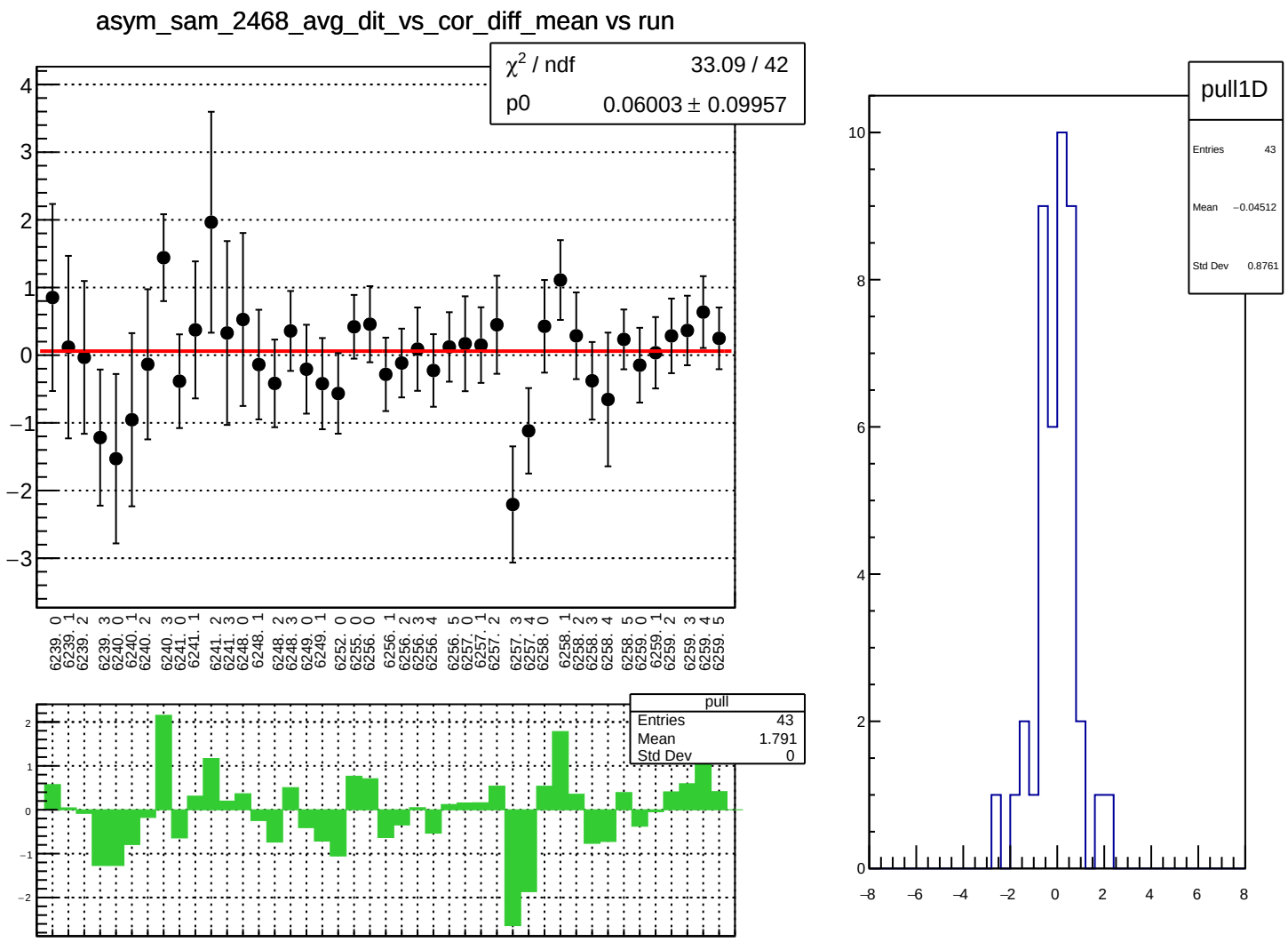

asym_sam_2468_avg_mean vs run
χ² / ndf 44.67 / 42
p0 1980 ± 2071
40000
20000
0
−20000
−40000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.42
Std Dev 0
2
1
0
−1
−2

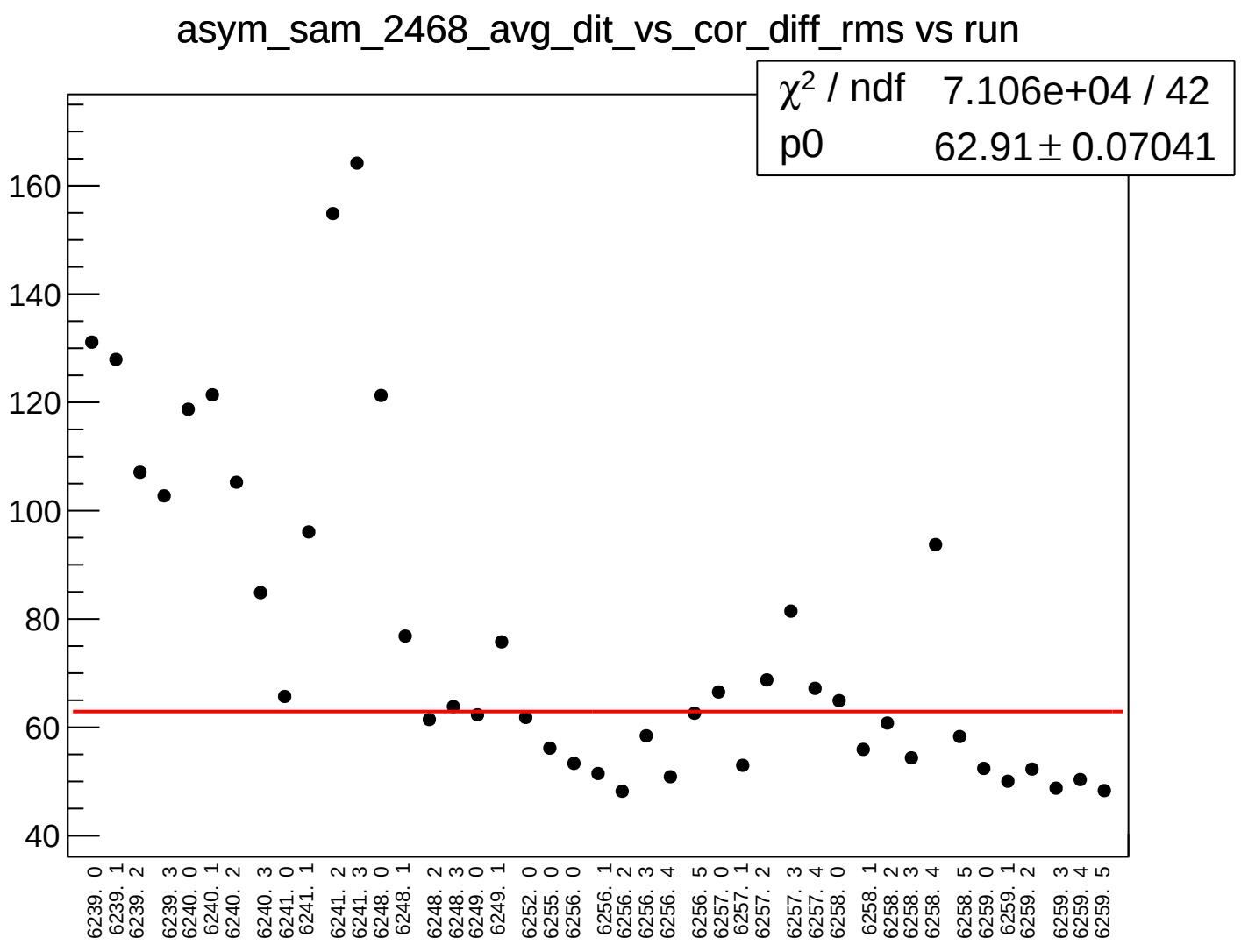

pull1D
Entries 43
Mean 0.04374
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

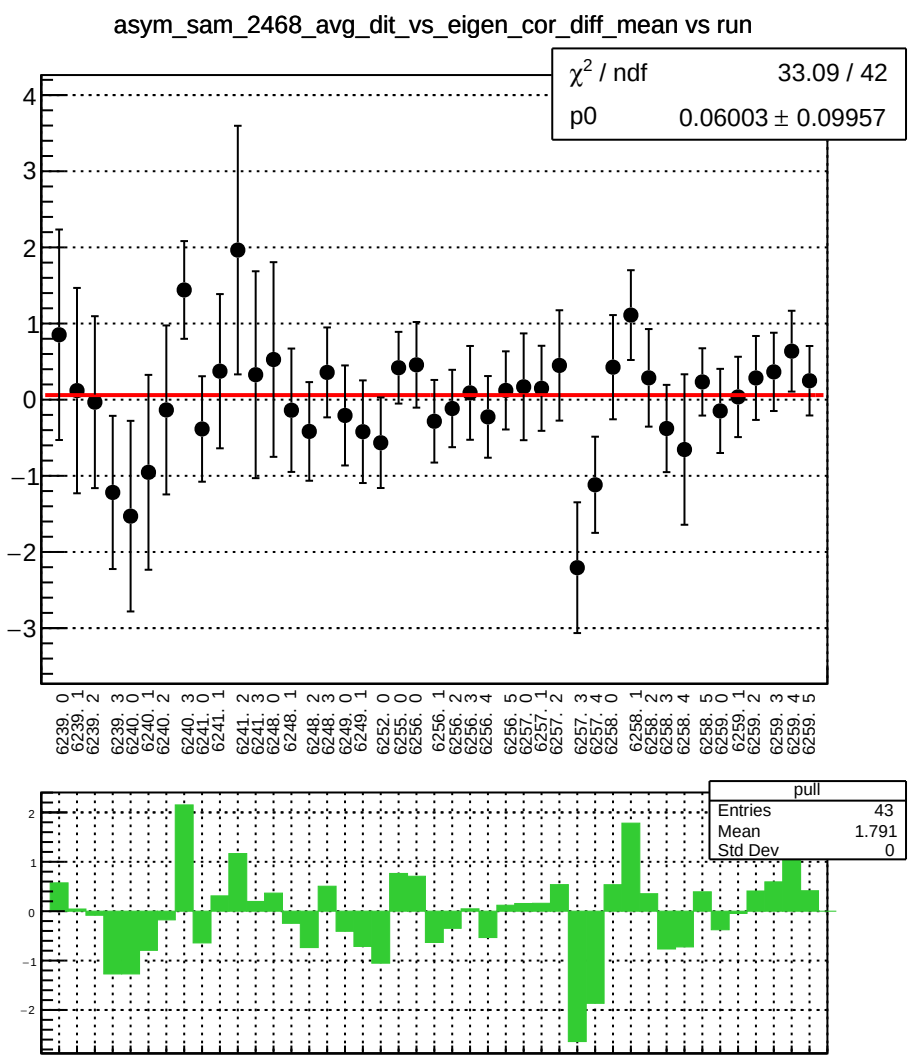

asym_sam_2468_avg_rms vs run
χ² / ndf 5417 / 42
p0 1361 ± 1.464
1800
1700
1600
1500
1400
1300
1200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

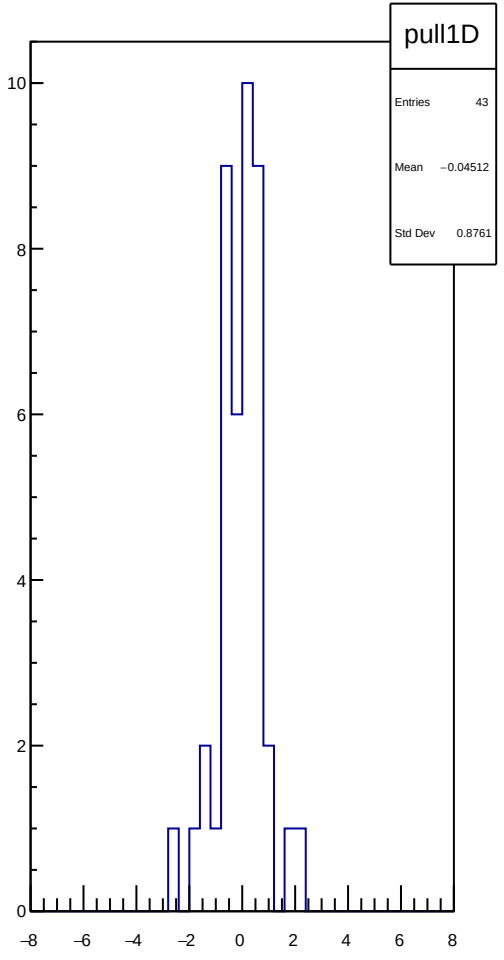

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.55 / 42
p0 1.15e−13 ± 1.724e−13
0.004
0.003
0.002
0.001
0
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 13.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.2094
Std Dev 0.8979
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

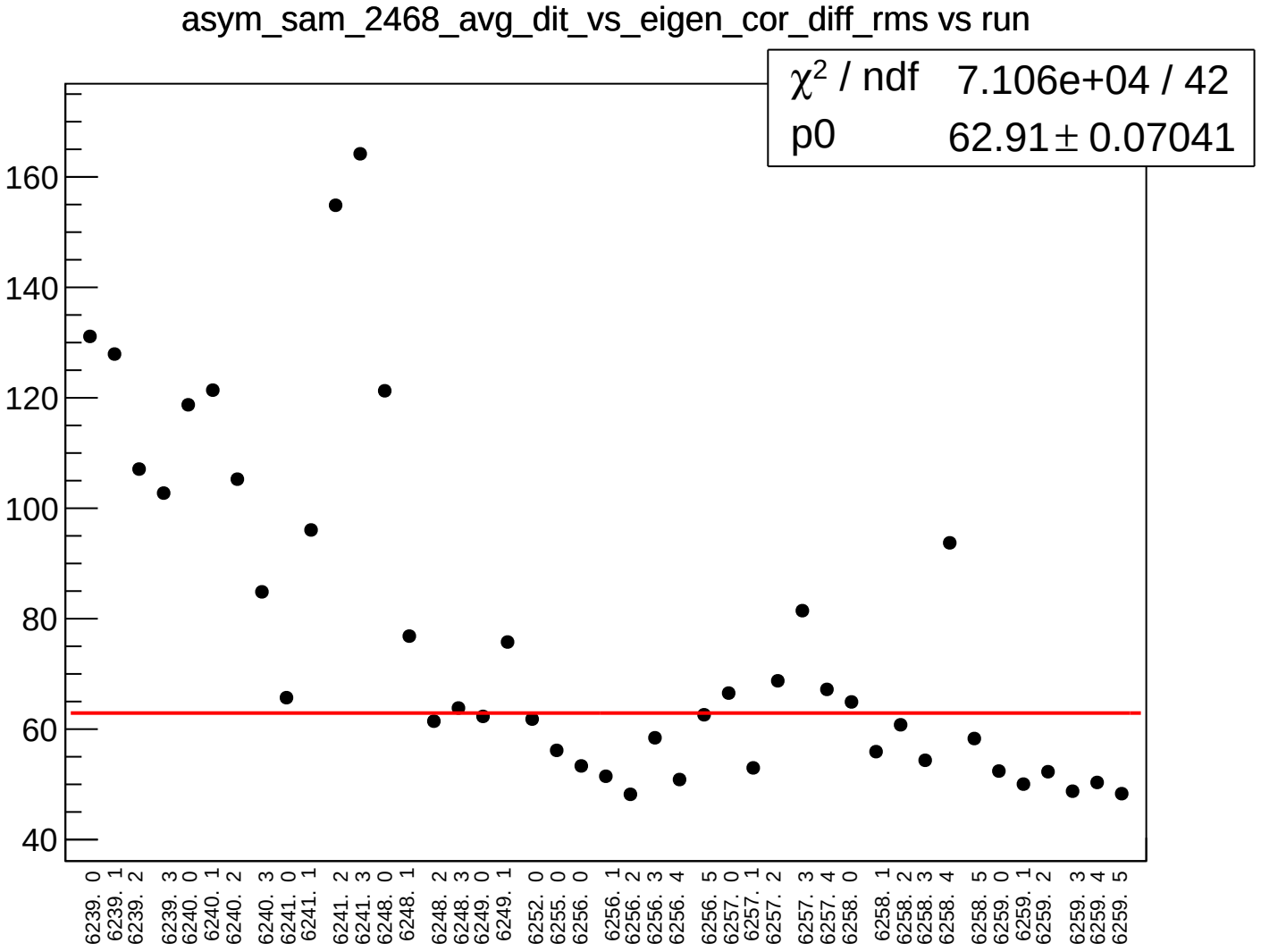

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.019e+05 / 42
p0 6.307e−11 ± 1.219e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

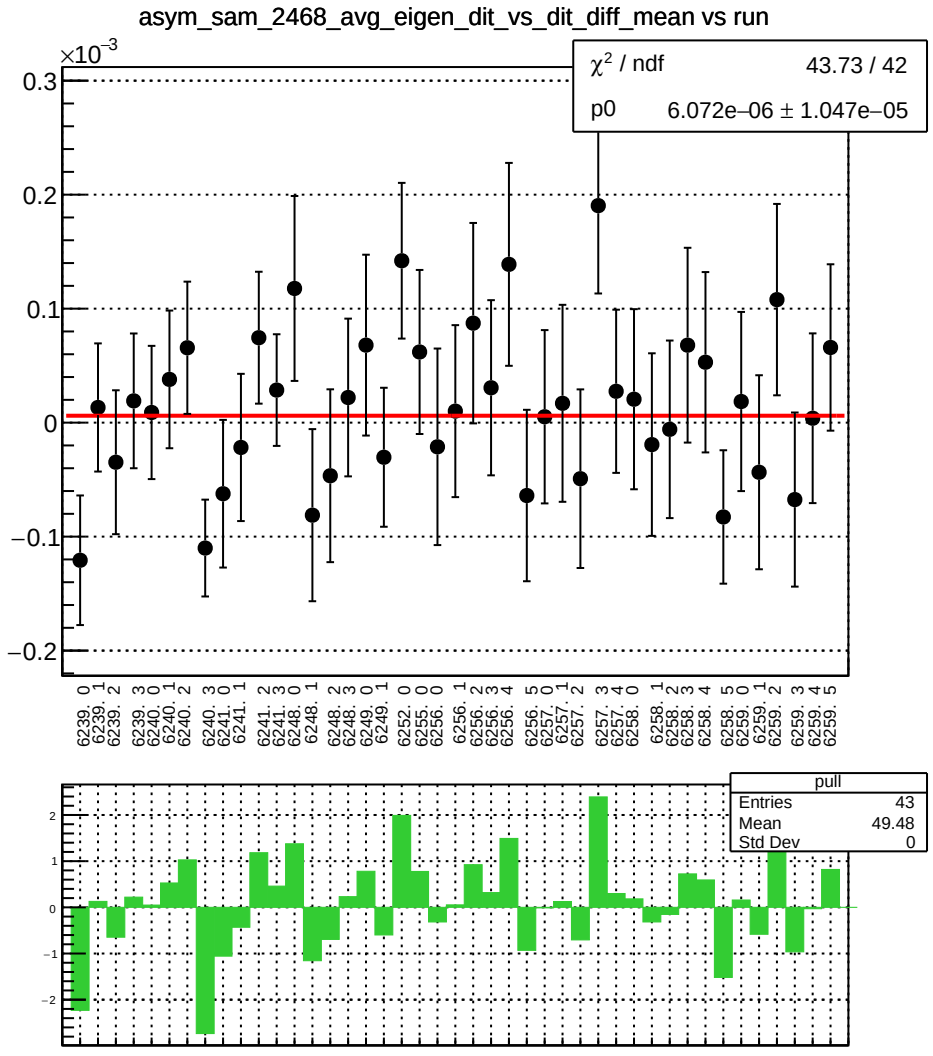

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.09 / 42
p0 0.06003 ± 0.09957
4
3
2
1
0
−1
−2
−3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1.791
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04512
Std Dev 0.8761
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

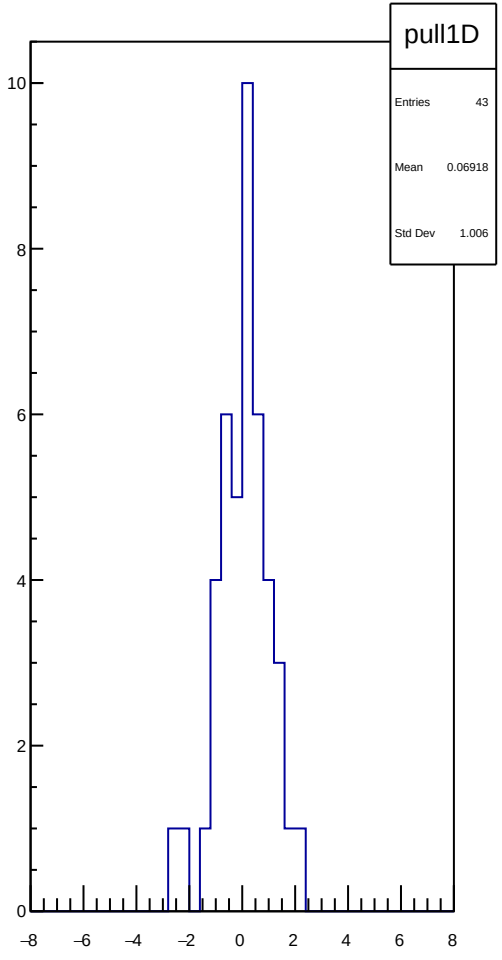

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.106e+04 / 42
p0 62.91 ± 0.07041
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

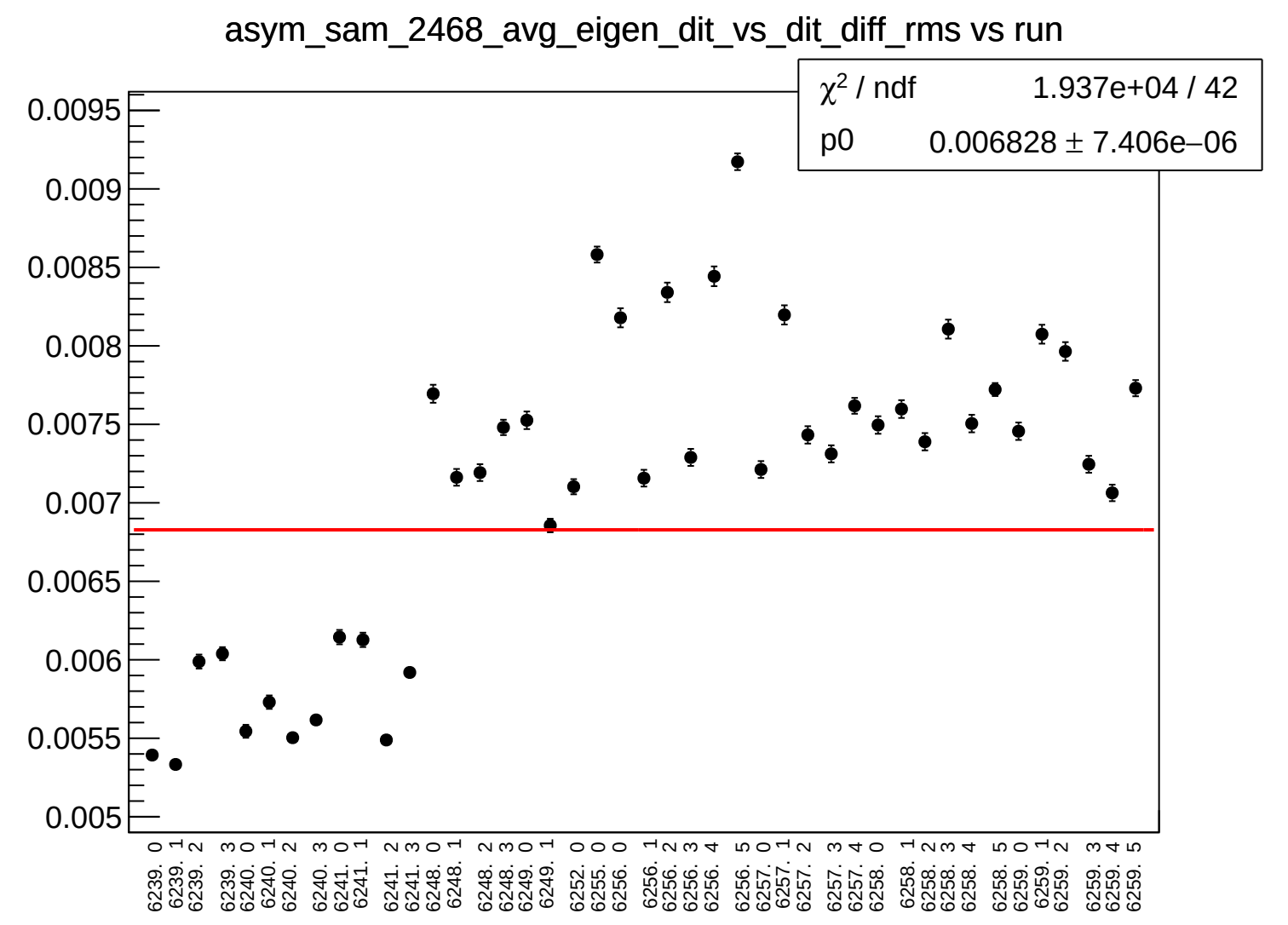

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.09 / 42
p0 0.06003 ± 0.09957
pull
Entries 43
Mean 1.791
Std Dev 0

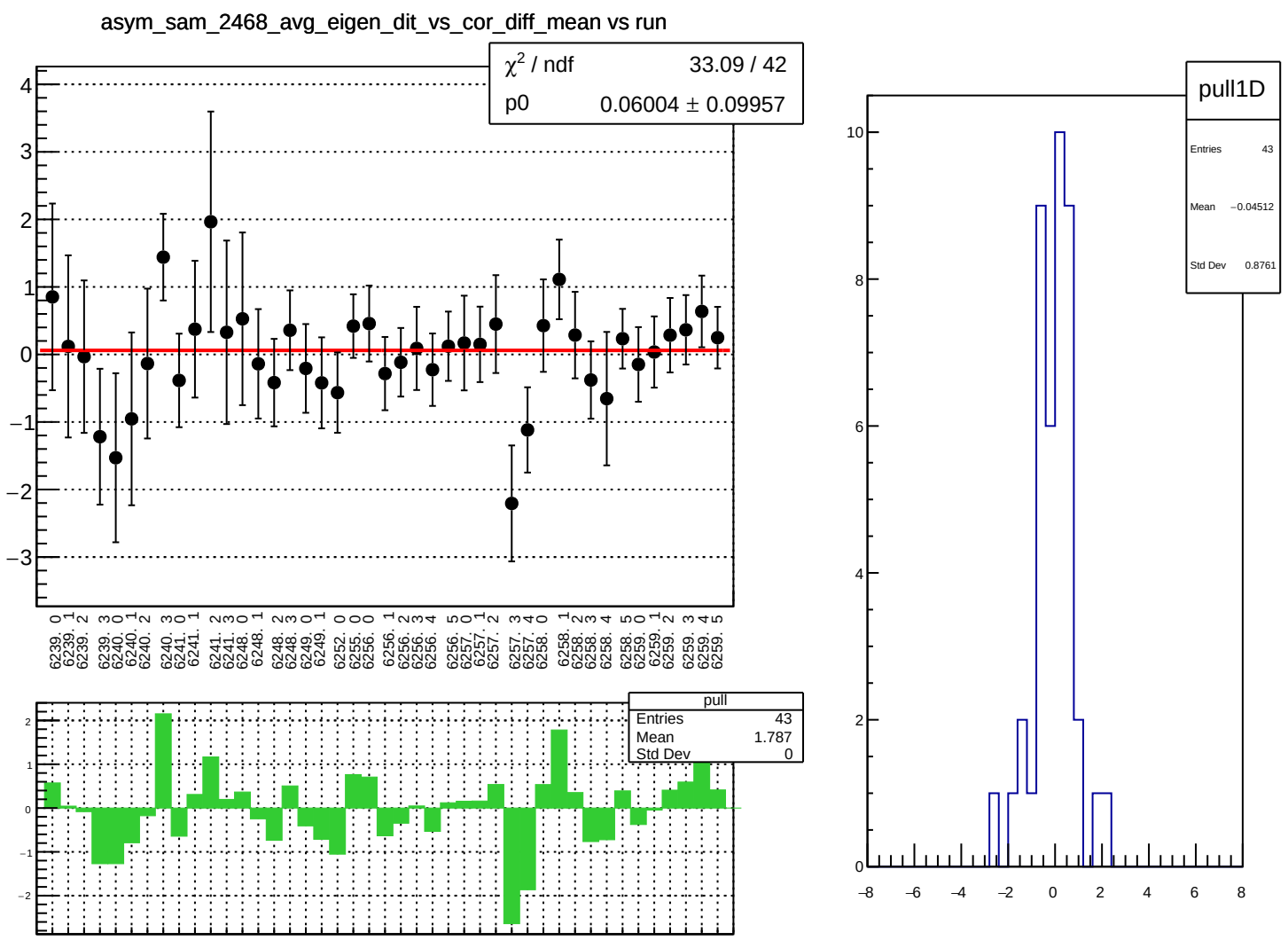

pull1D
Entries 43
Mean −0.04512
Std Dev 0.8761

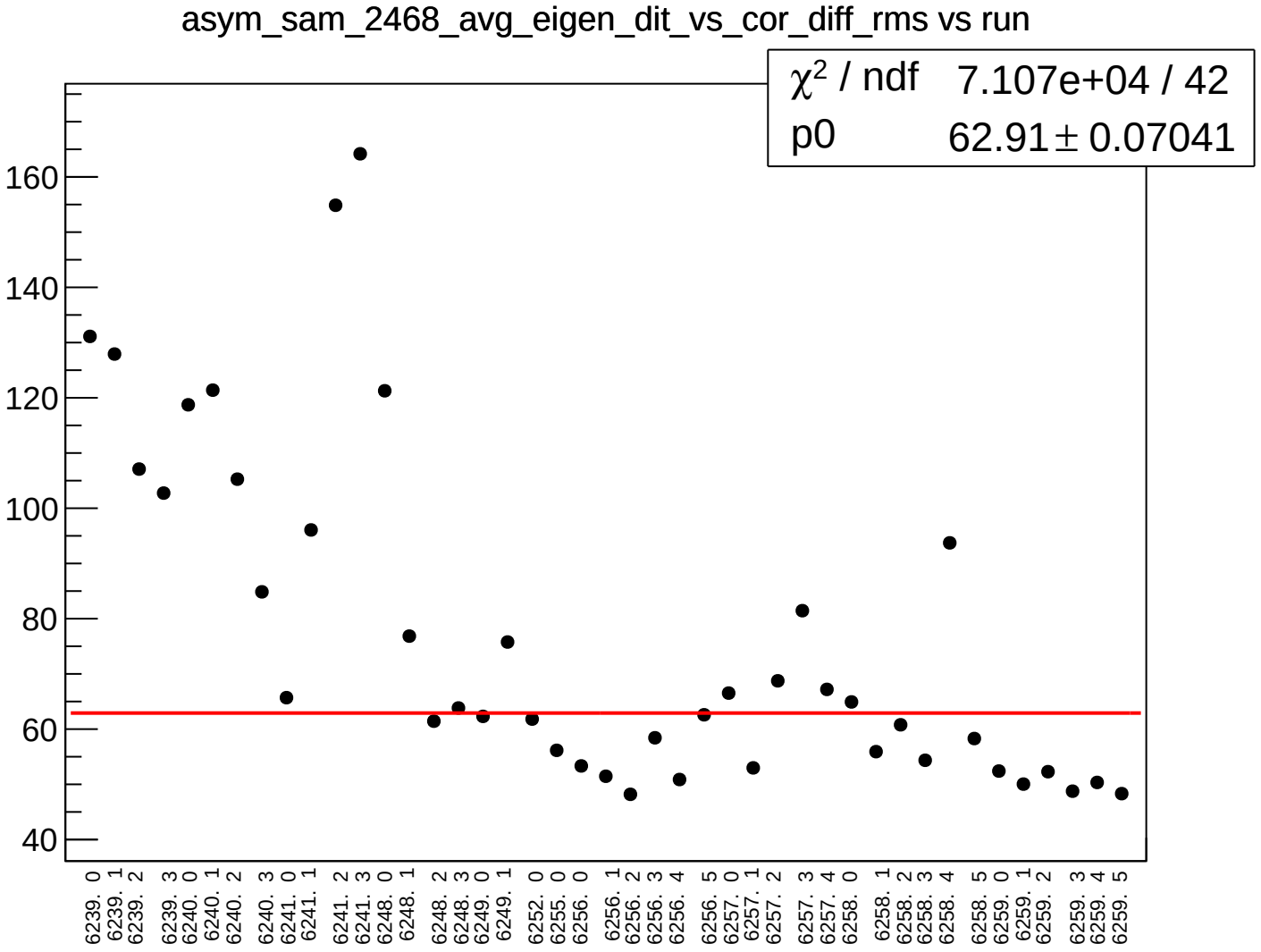

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.106e+04 / 42
p0 62.91 ± 0.07041
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

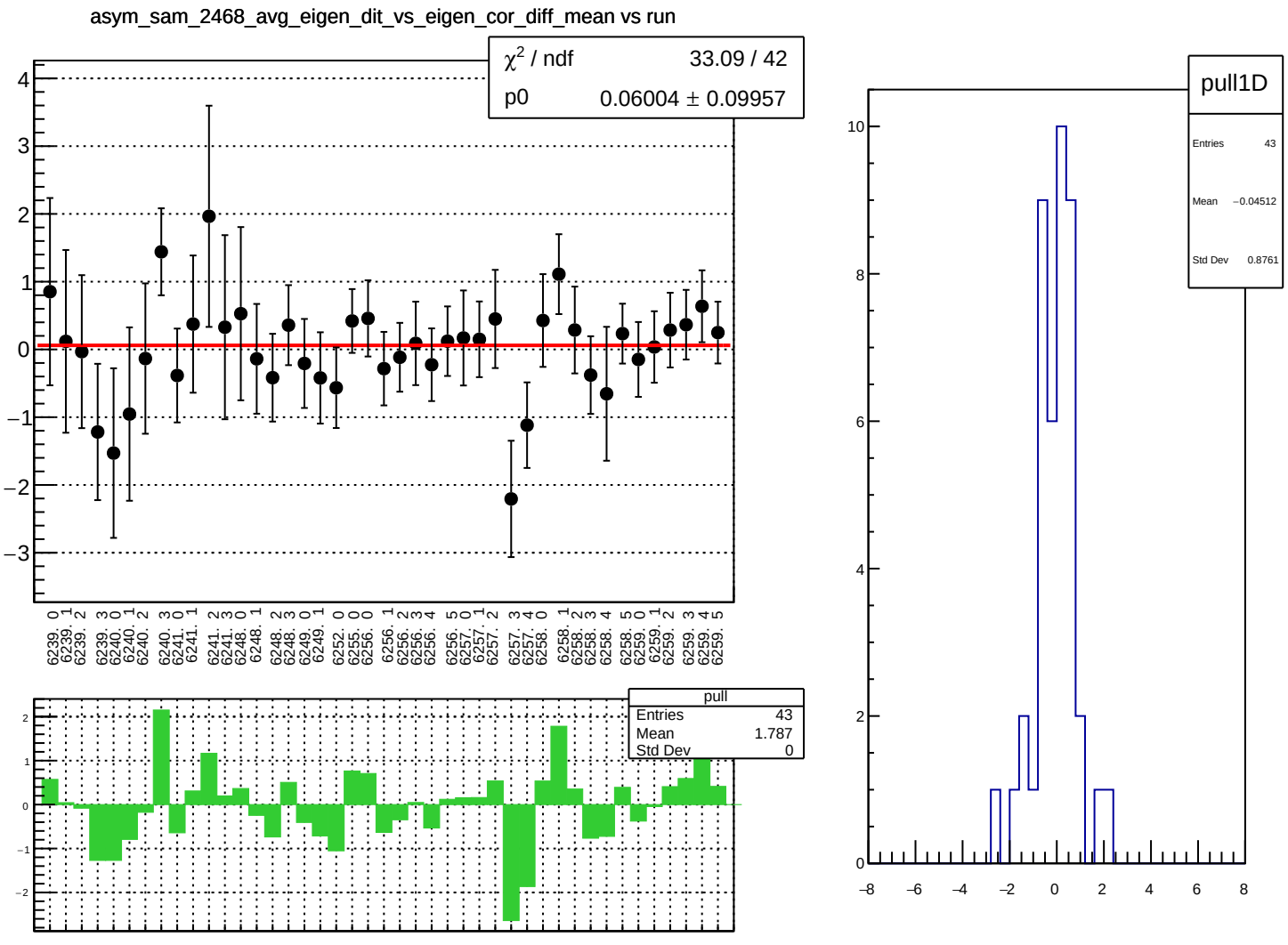

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.73 / 42
p0 6.072e−06 ± 1.047e−05
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.48
Std Dev 0
2
1
0
−1
−2

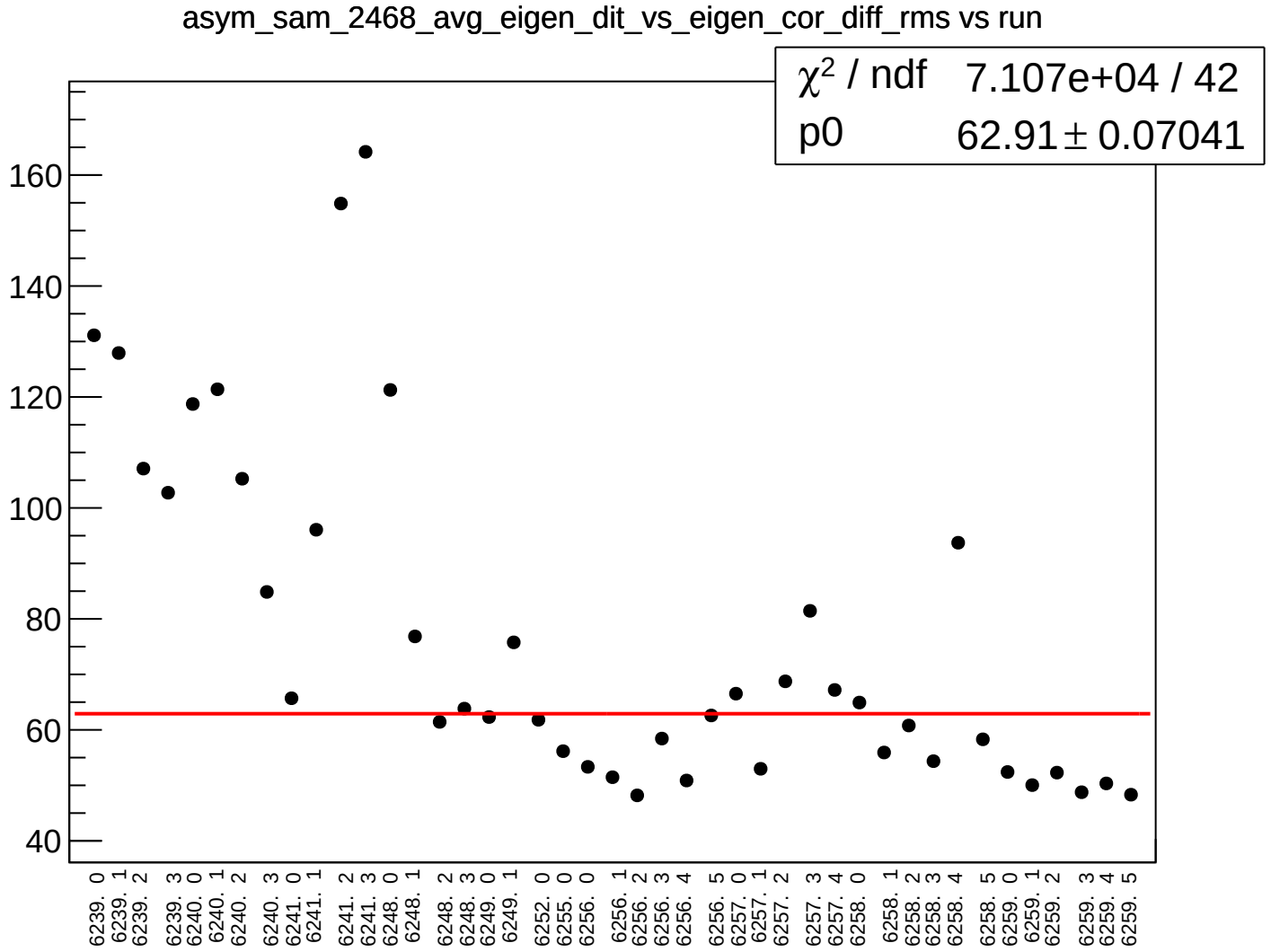

pull1D
Entries 43
Mean 0.06918
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

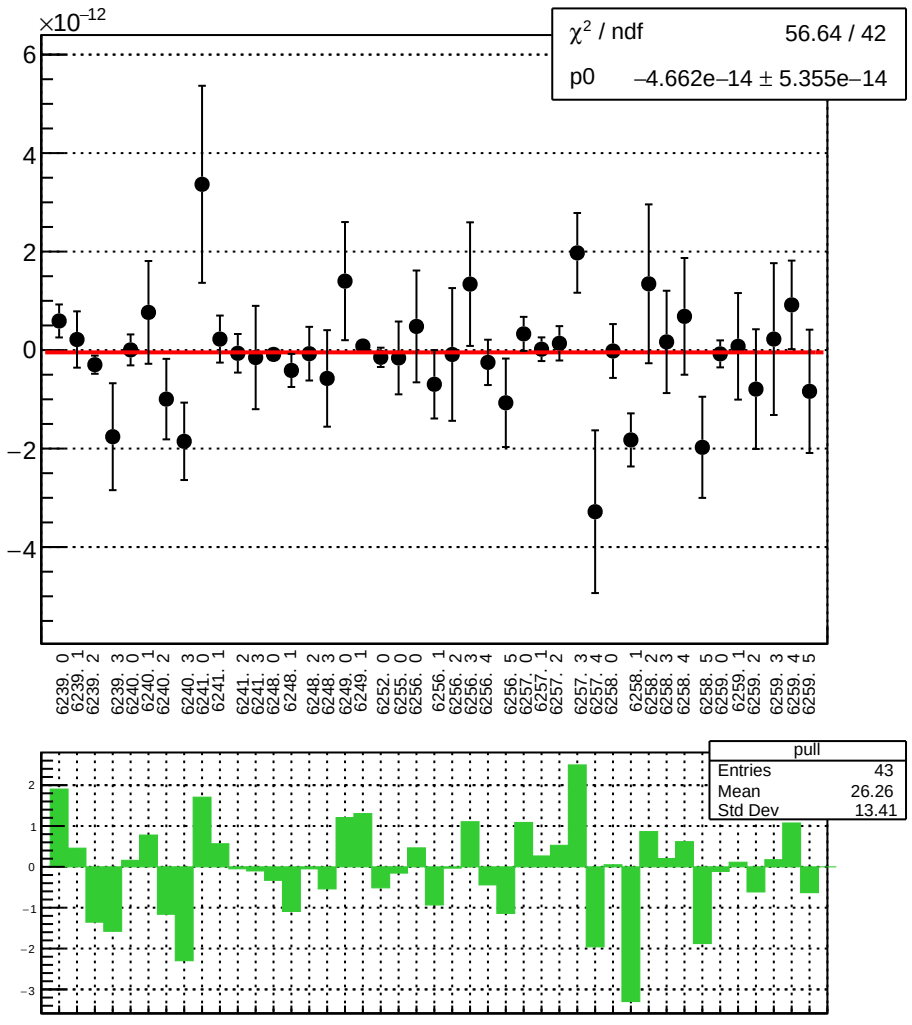

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.937e+04 / 42
p0 0.006828 ± 7.406e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

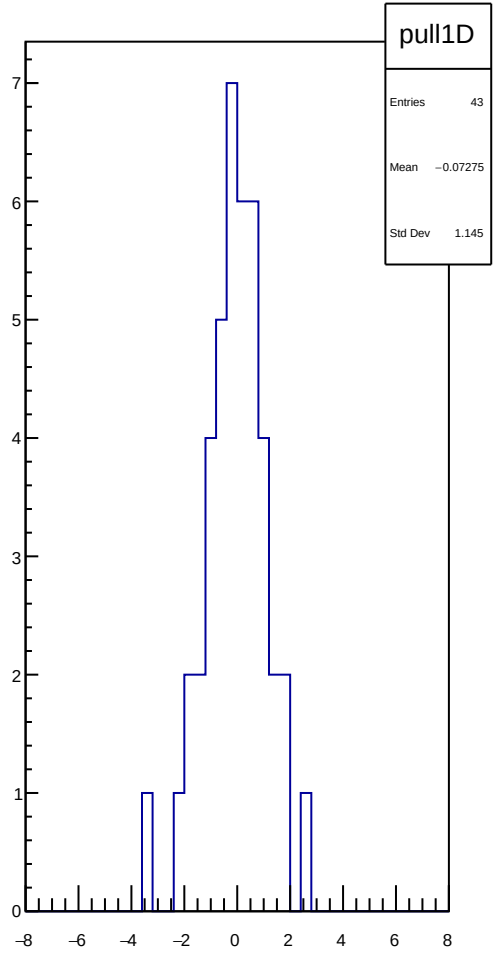

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.09 / 42
p0 0.06004 ± 0.09957
pull
Entries 43
Mean 1.787
Std Dev 0
pull1D
Entries 43
Mean −0.04512
Std Dev 0.8761

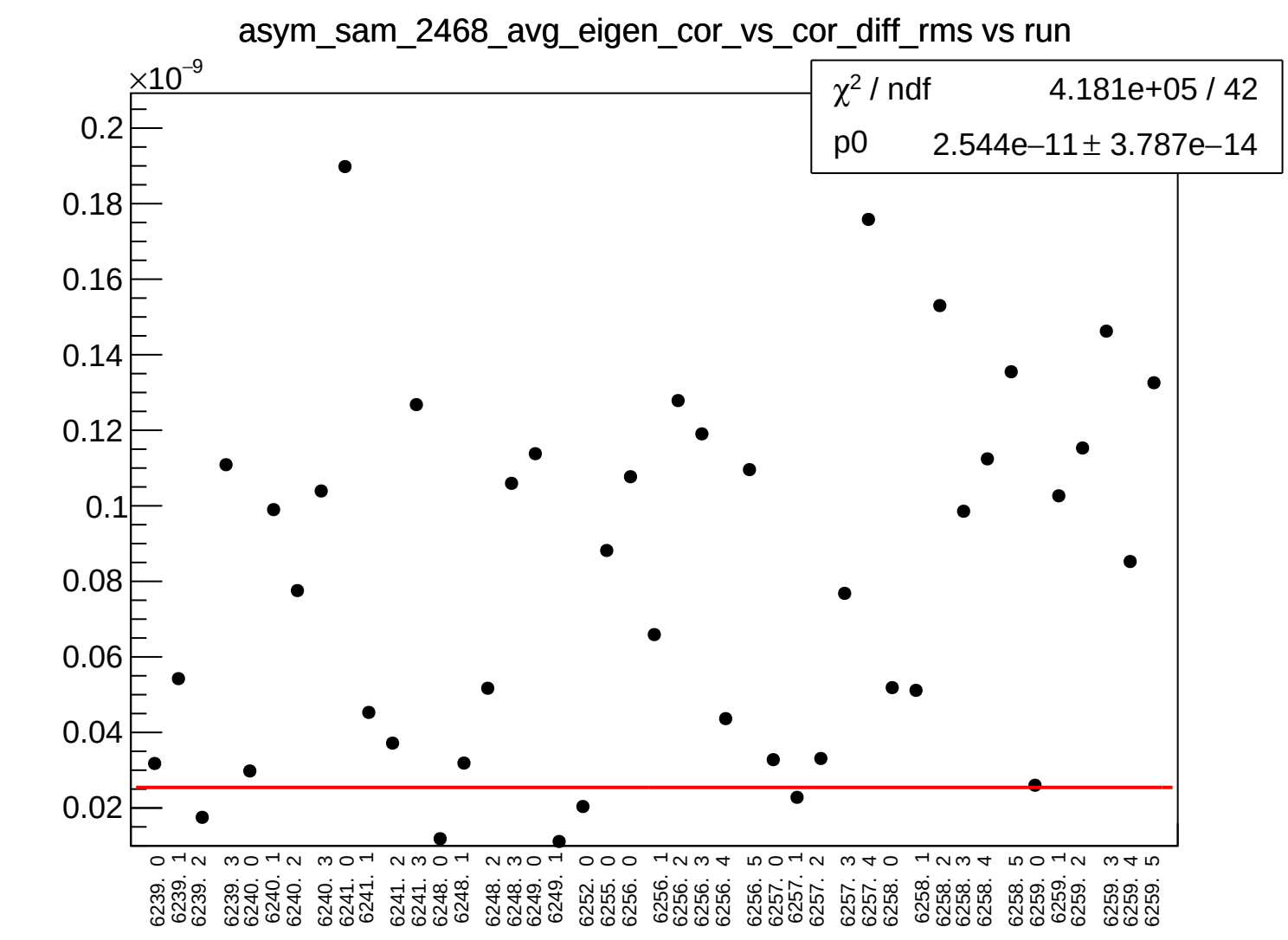

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.107e+04 / 42
p0 62.91 ± 0.07041
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

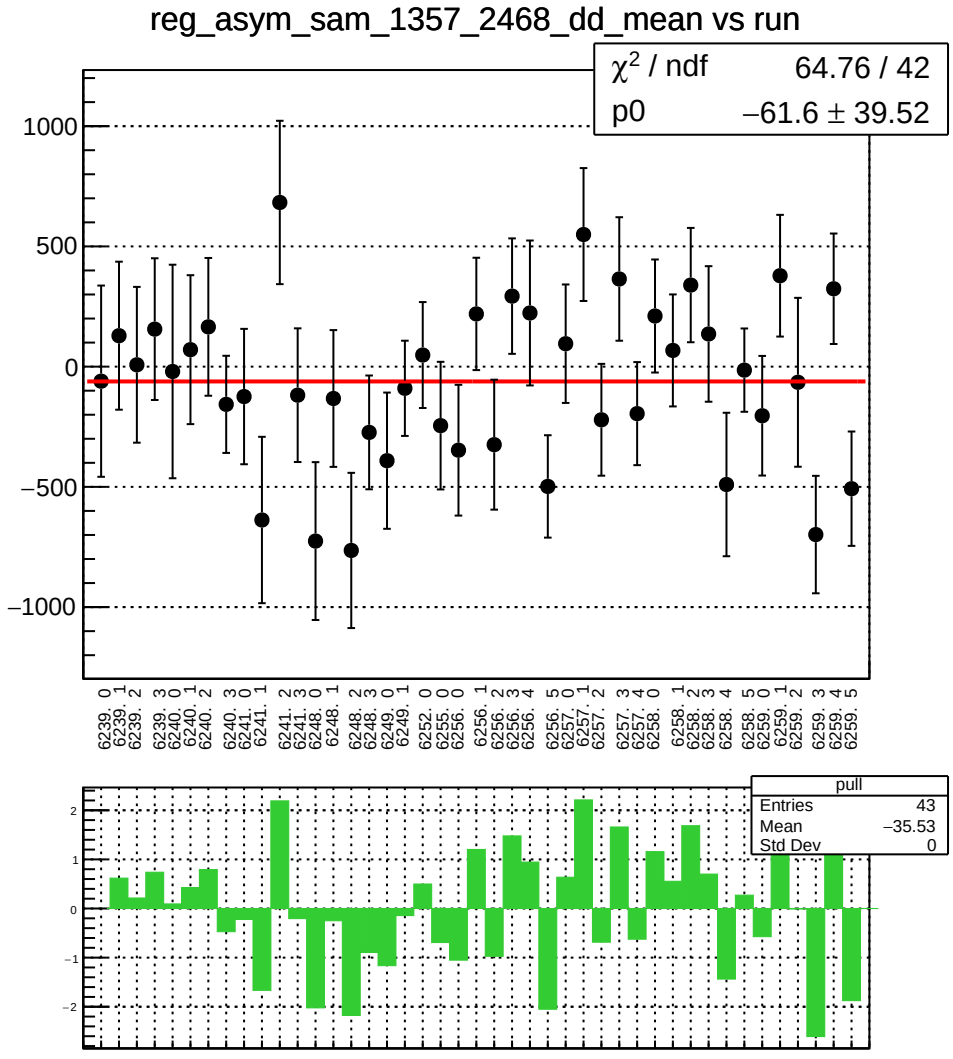

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.09 / 42
p0 0.06004 ± 0.09957
pull
Entries 43
Mean 1.787
Std Dev 0
pull1D
Entries 43
Mean −0.04512
Std Dev 0.8761

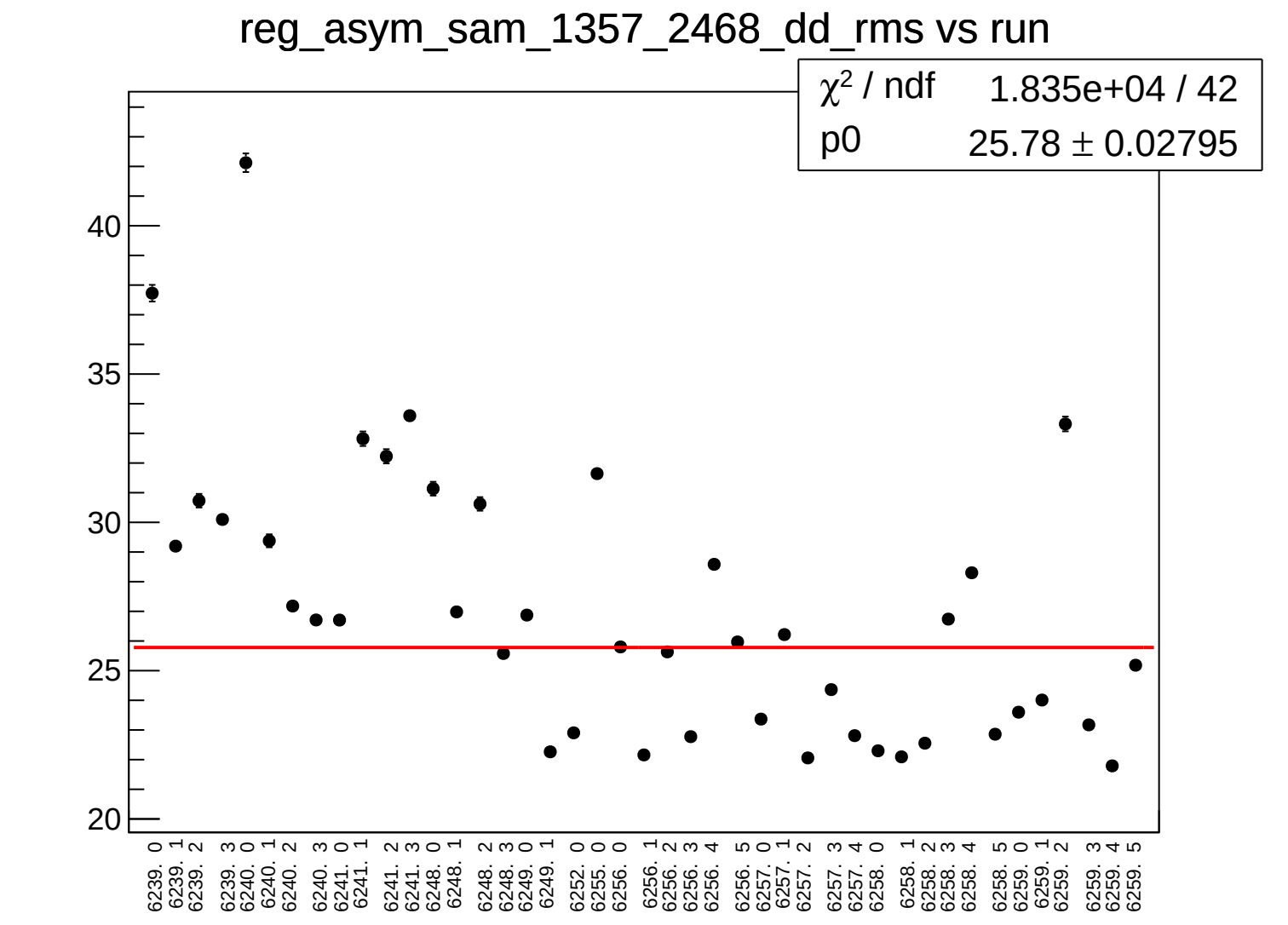

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.107e+04 / 42
p0 62.91 ± 0.07041
160
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

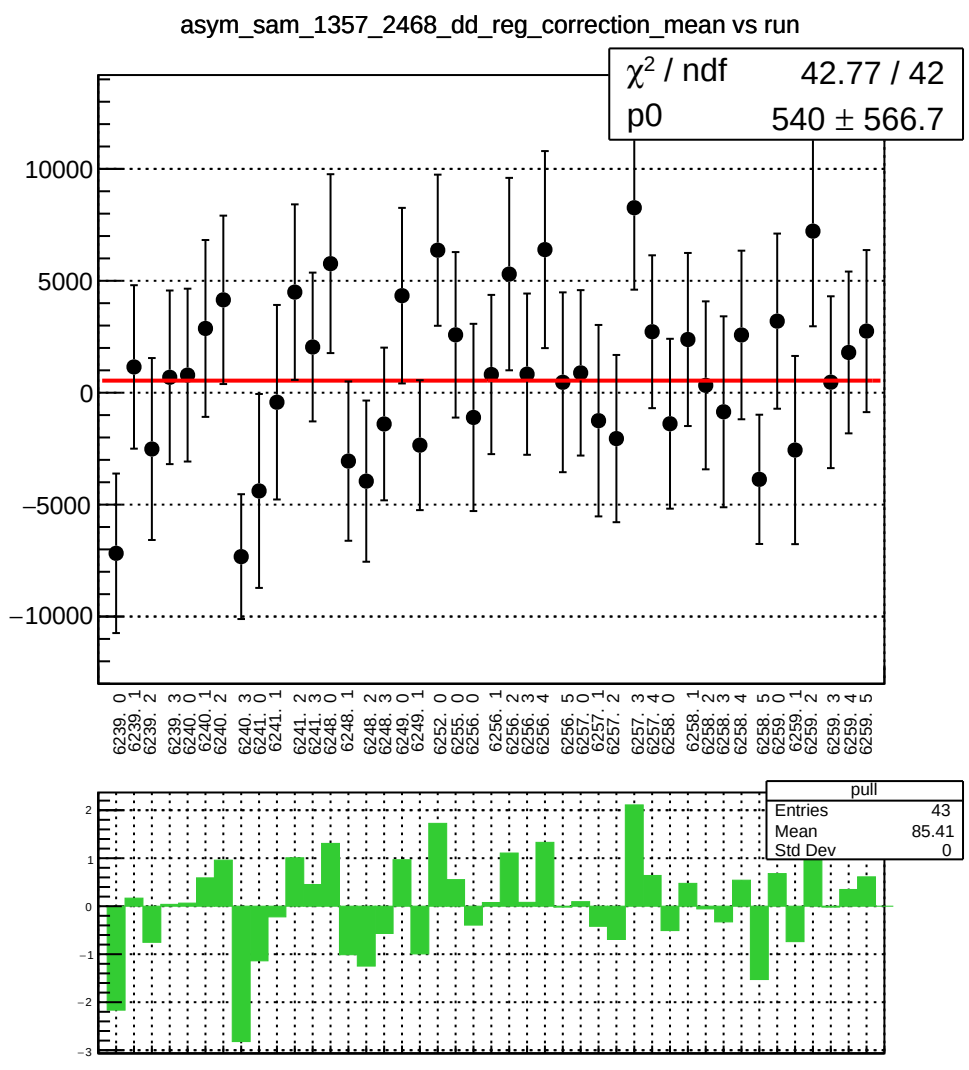

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 56.64 / 42
p0 −4.662e−14 ± 5.355e−14
pull
Entries 43
Mean 26.26
Std Dev 13.41

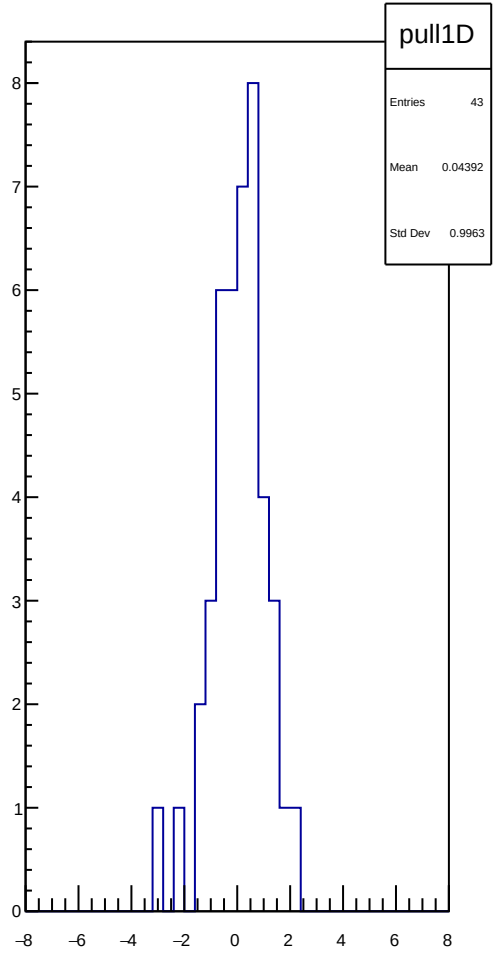

pull1D
Entries 43
Mean −0.07275
Std Dev 1.145

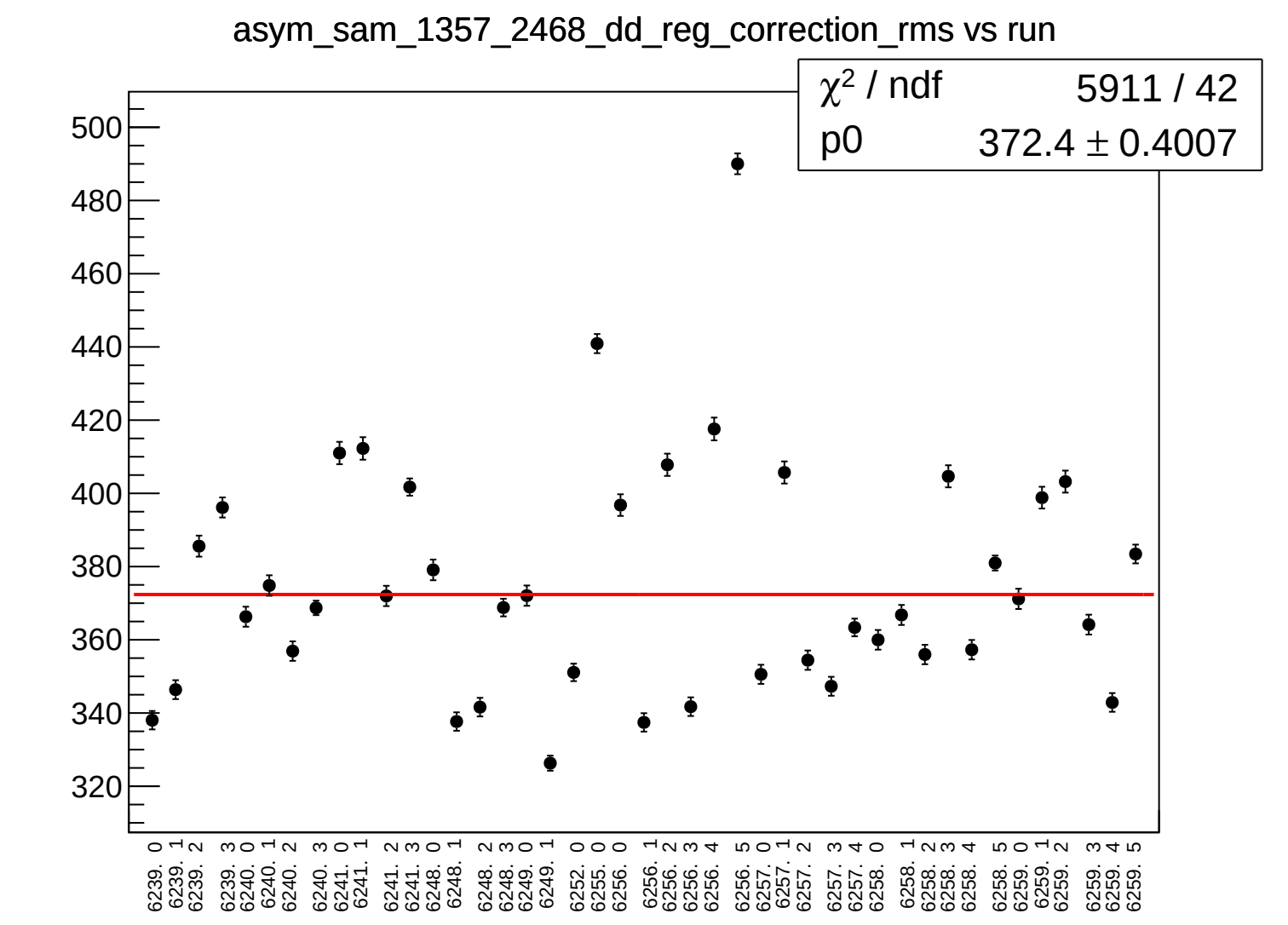

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.181e+05 / 42
p0 2.544e−11 ± 3.787e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

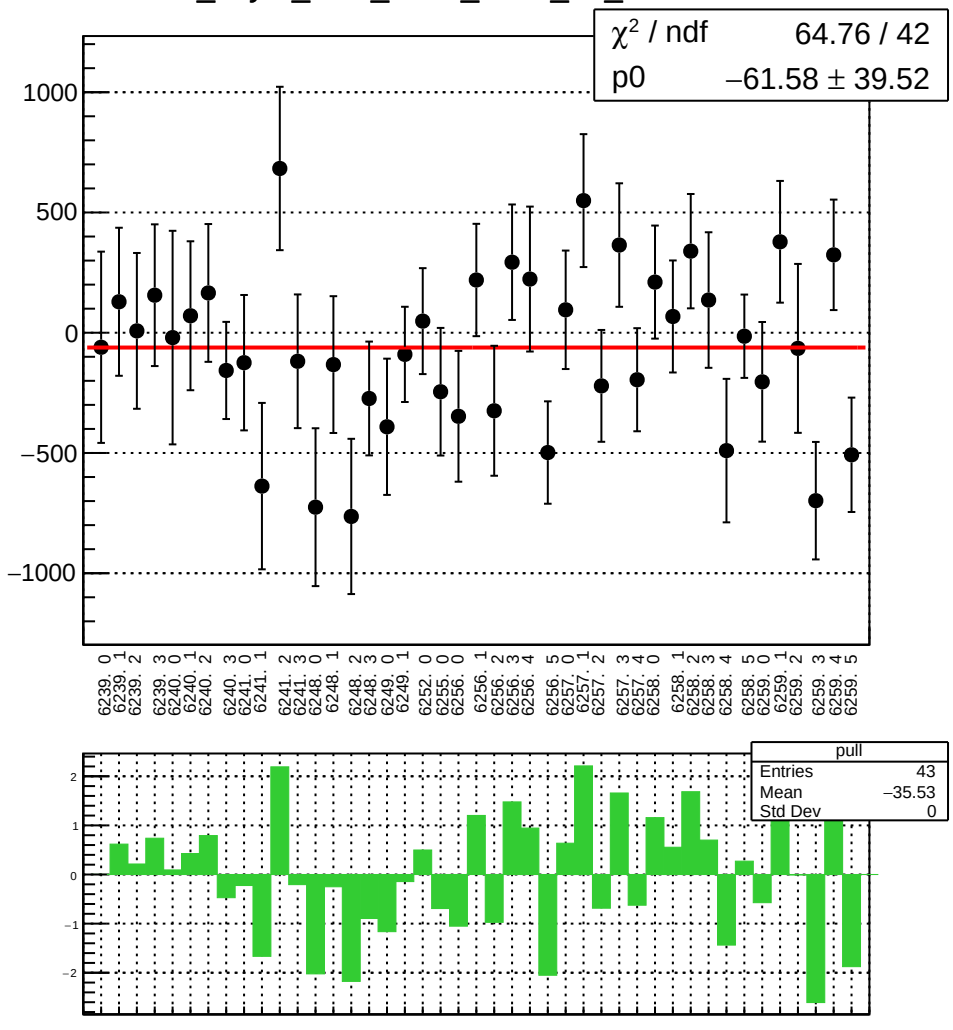

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.76 / 42
p0 −61.6 ± 39.52
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −35.53
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.007029
Std Dev 1.227
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

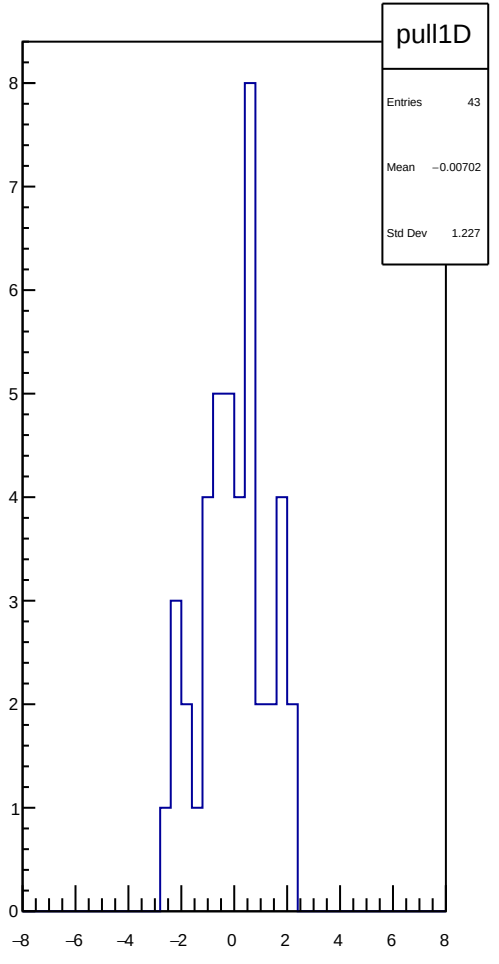

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.835e+04 / 42
p0 25.78 ± 0.02795
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

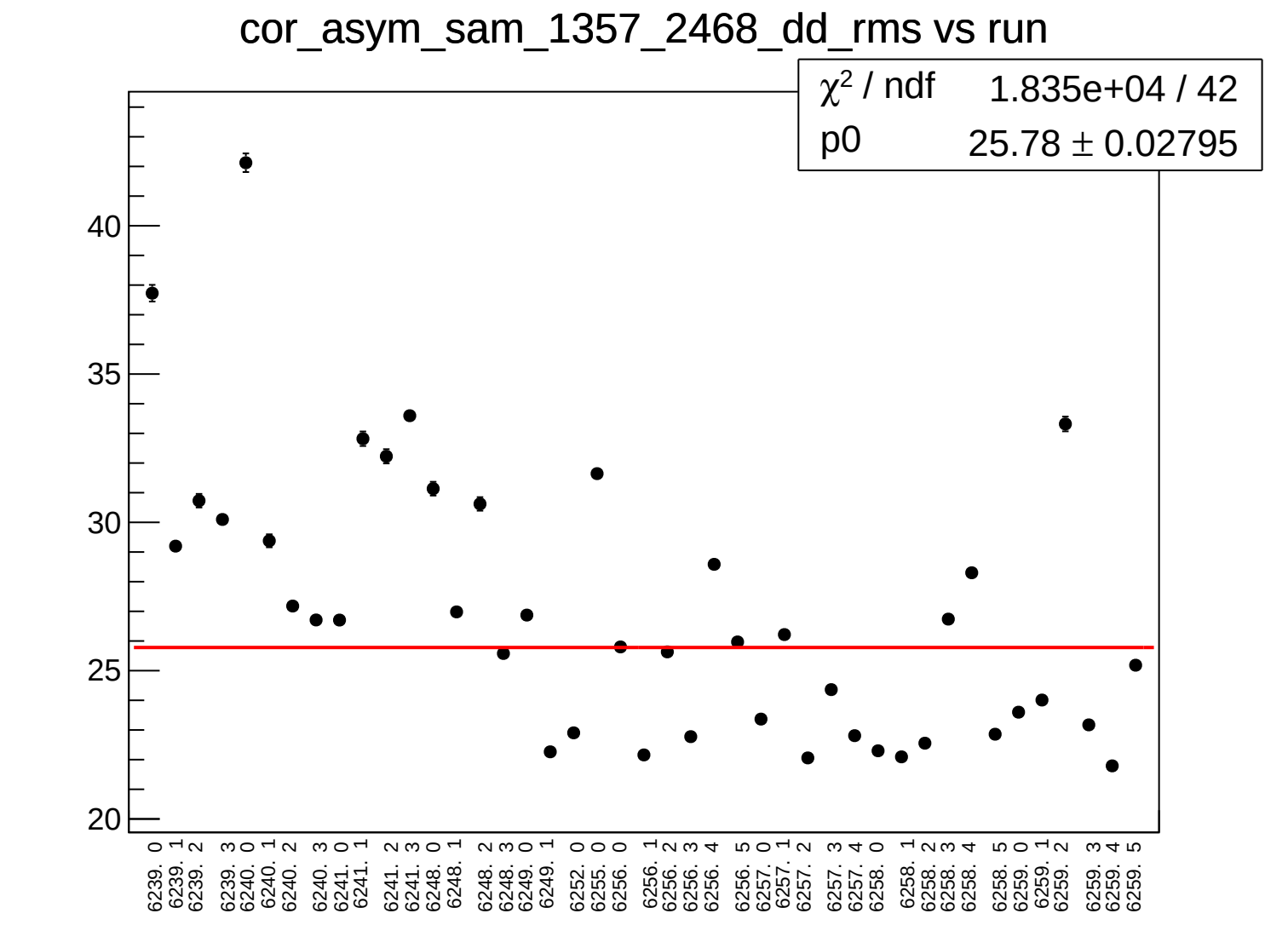

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 42.77 / 42
p0 540 ± 566.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.41
Std Dev 0
2
1
0
−1
−2
−3

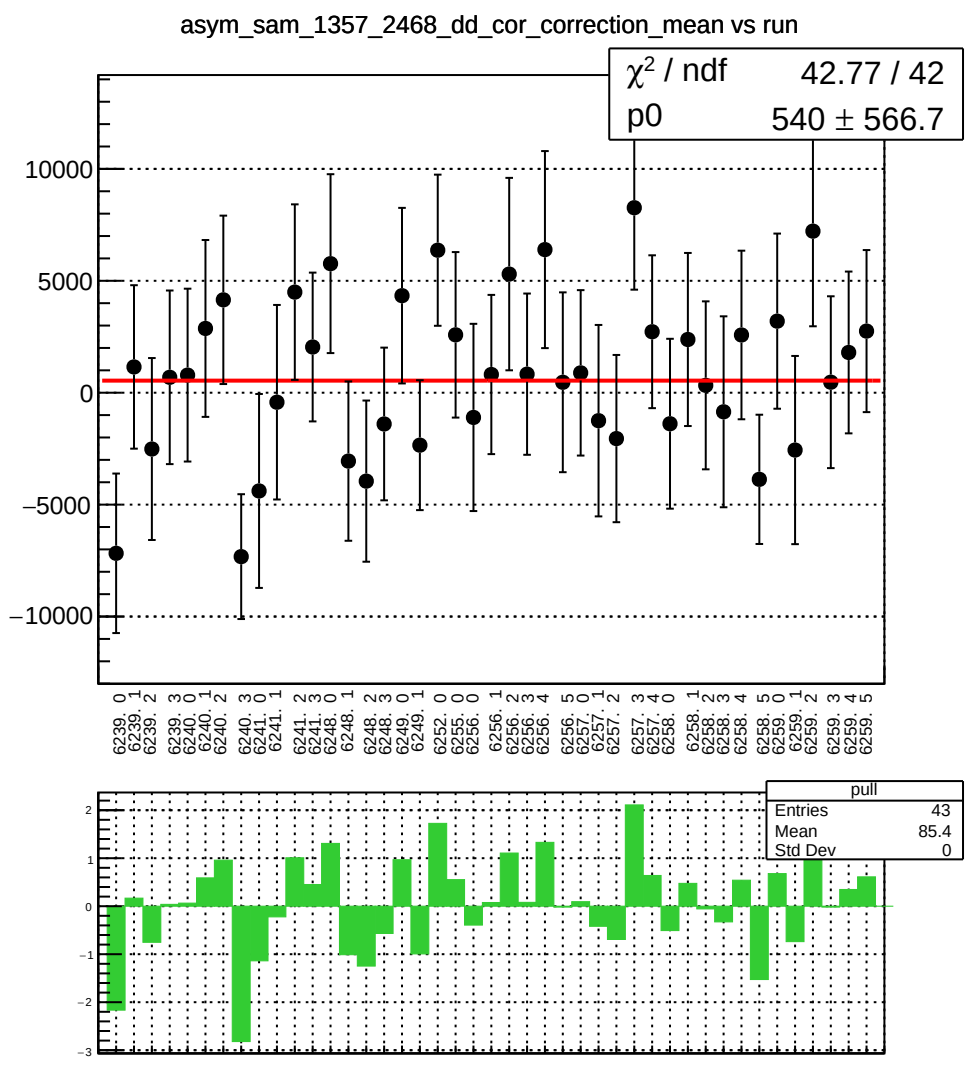

pull1D
Entries 43
Mean 0.04392
Std Dev 0.9963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

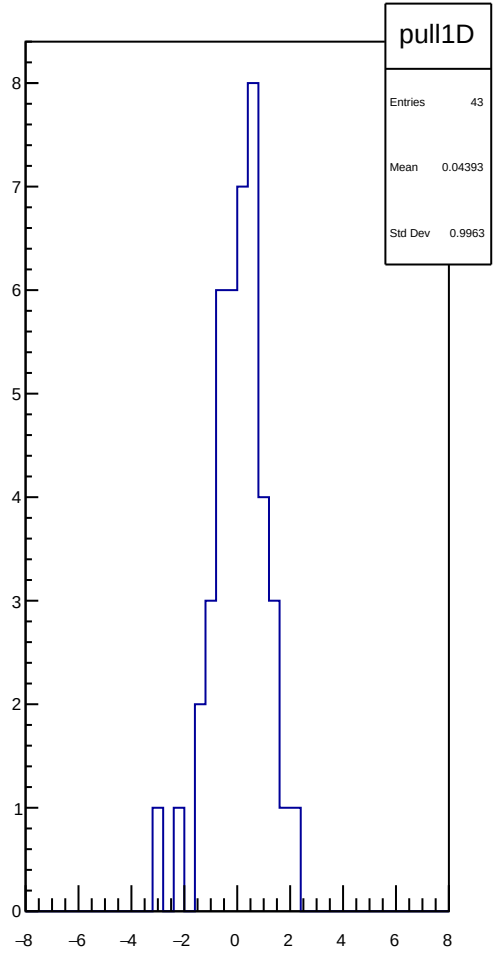

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 5911 / 42
p0 372.4 ± 0.4007
500
480
460
440
420
400
380
360
340
320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

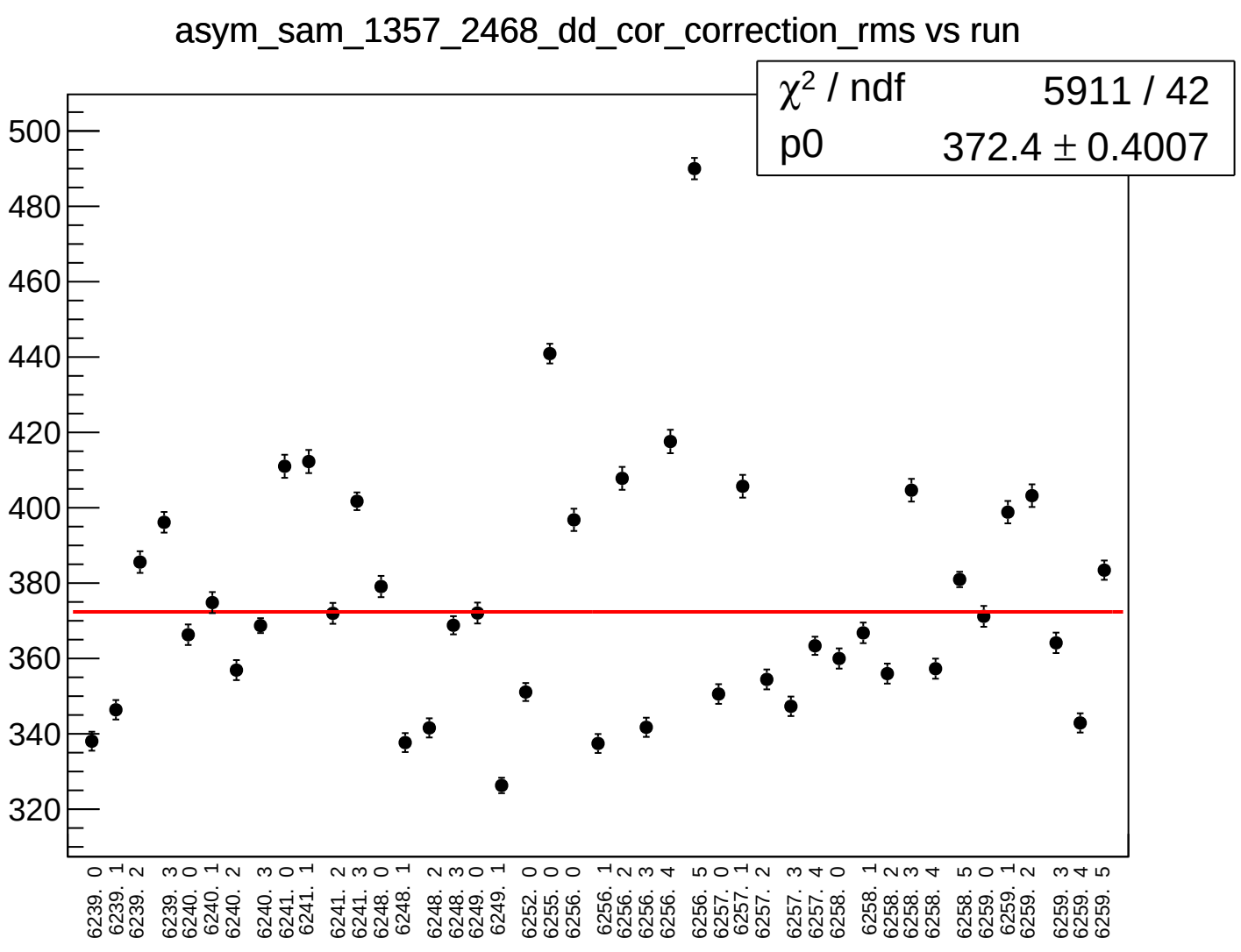

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.76 / 42
p0 −61.58 ± 39.52
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −35.53
Std Dev 0
2
1
0
−1
−2

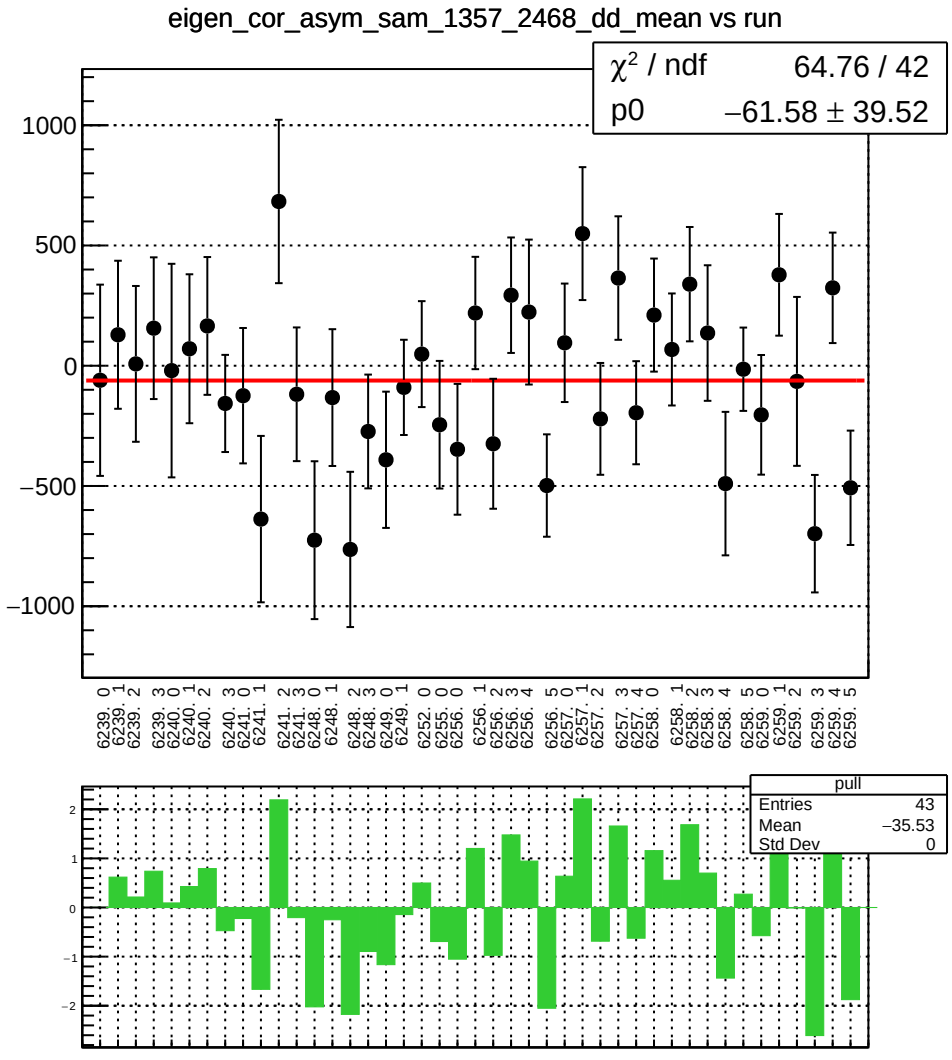

pull1D
Entries 43
Mean −0.00702
Std Dev 1.227
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

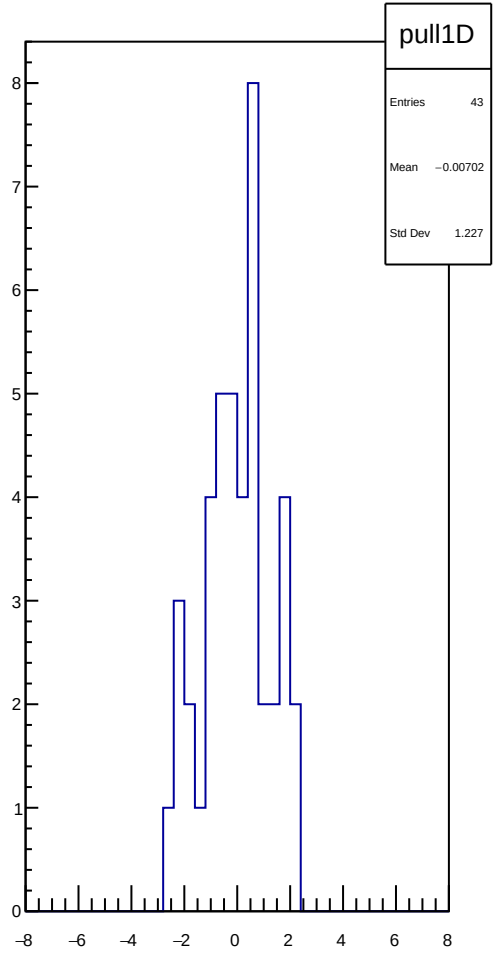

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.835e+04 / 42
p0 25.78 ± 0.02795
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

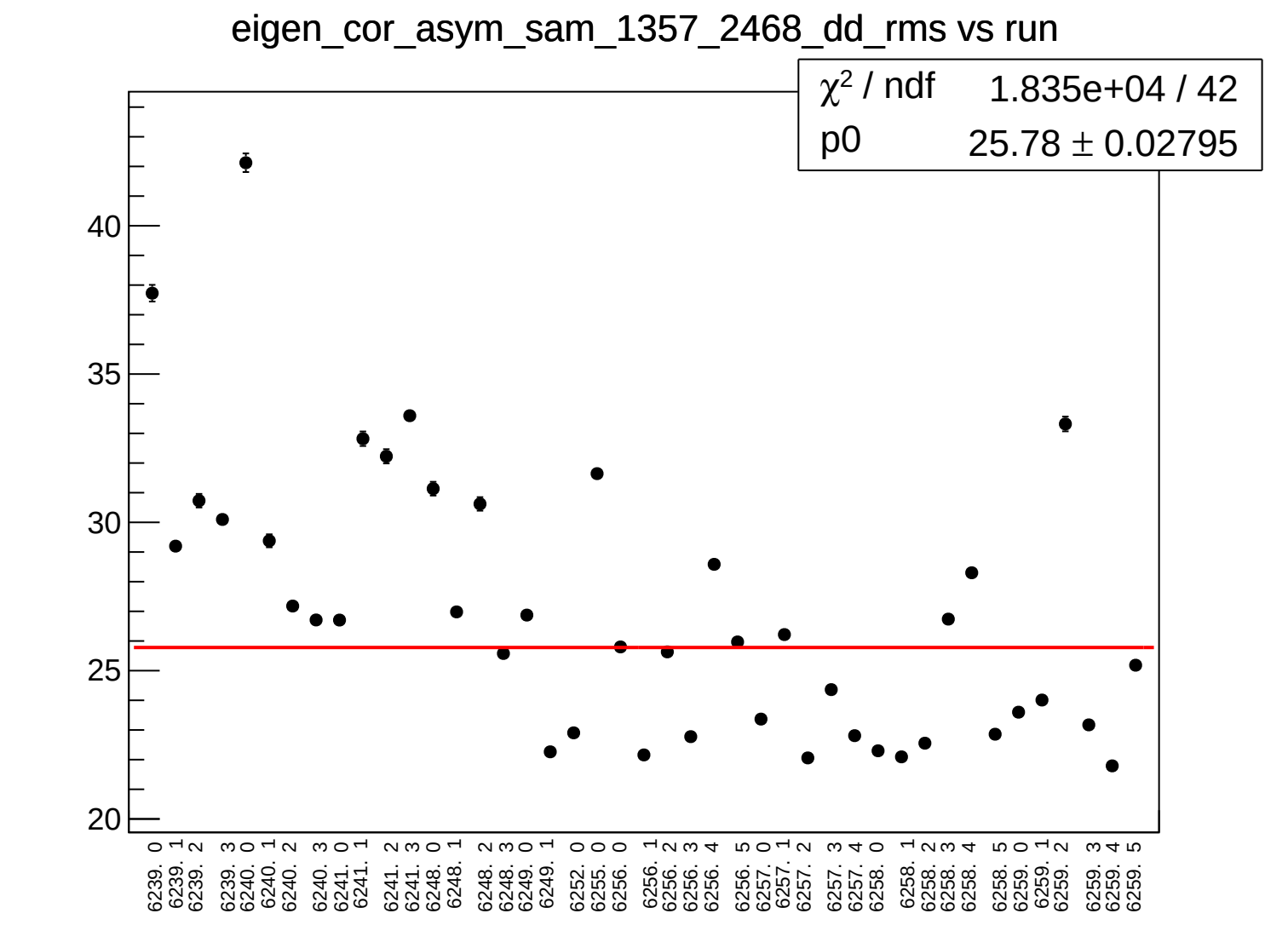

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 42.77 / 42
p0 540 ± 566.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.4
Std Dev 0
2
1
0
−1
−2
−3

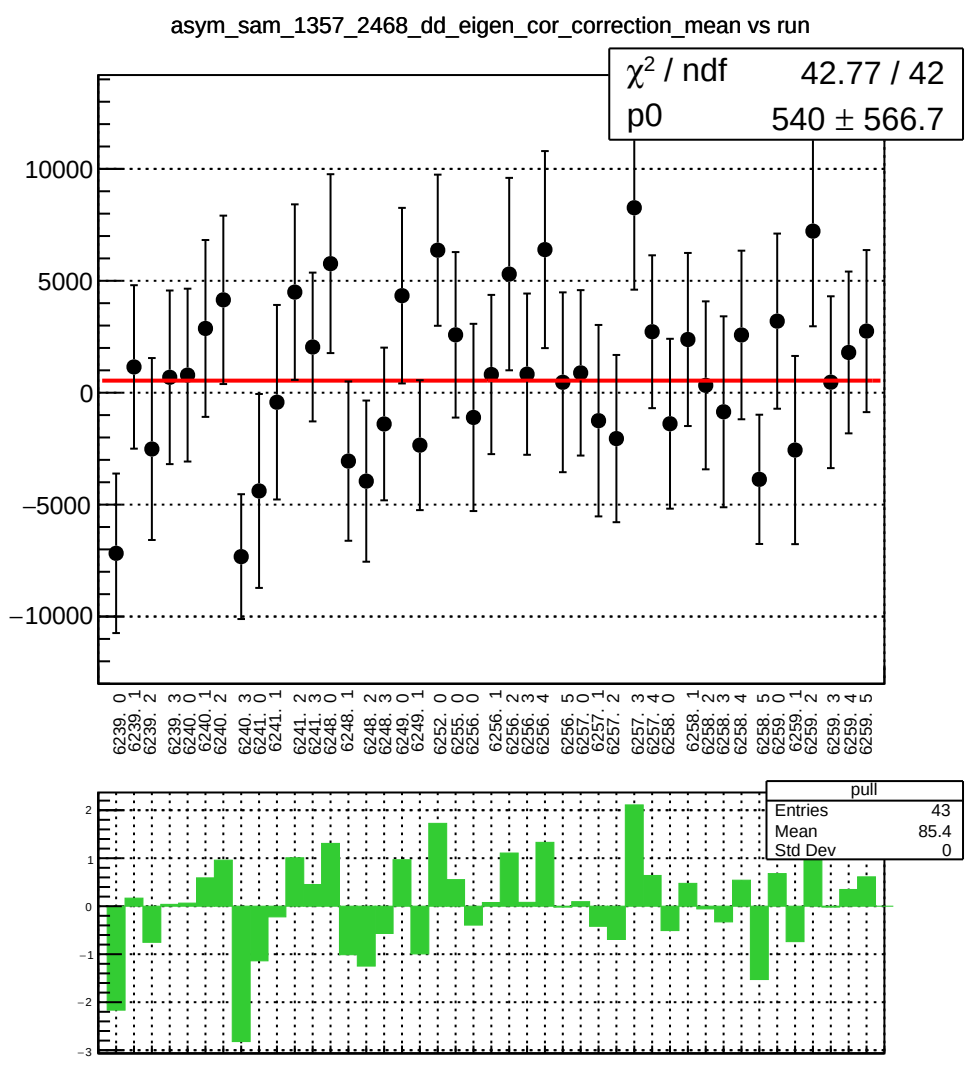

pull1D
Entries 43
Mean 0.04393
Std Dev 0.9963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

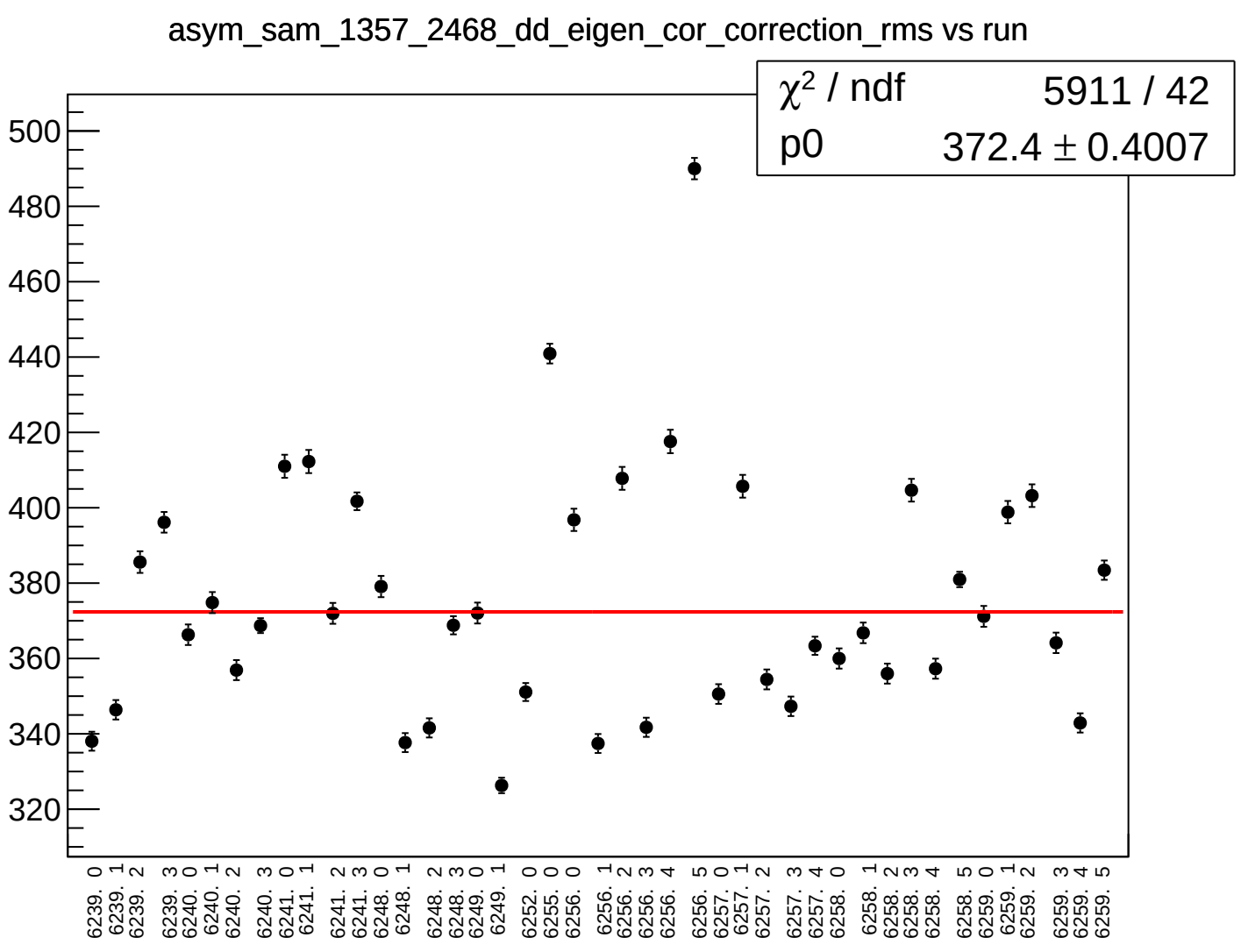

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 5911 / 42
p0 372.4 ± 0.4007
500
480
460
440
420
400
380
360
340
320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

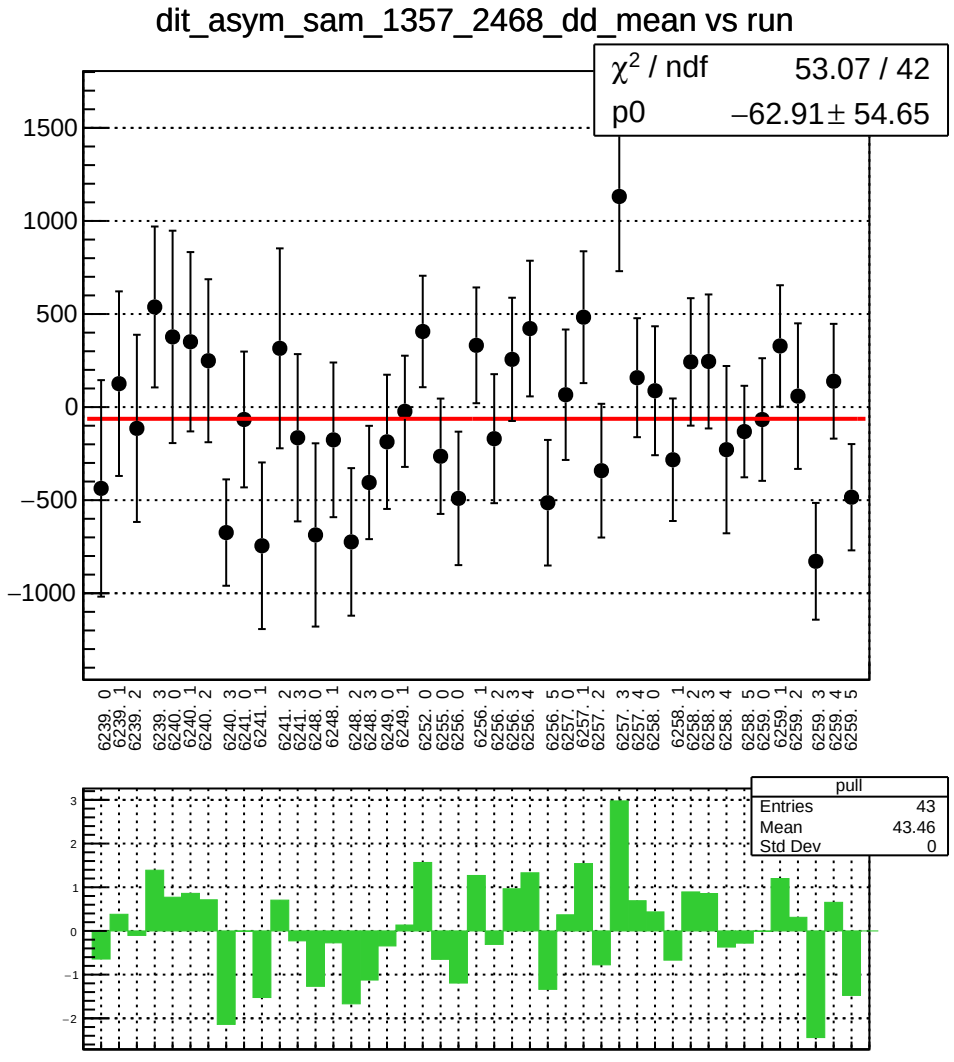

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.76 / 42
p0 −61.58 ± 39.52
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −35.53
Std Dev 0
2
1
0
−1
−2

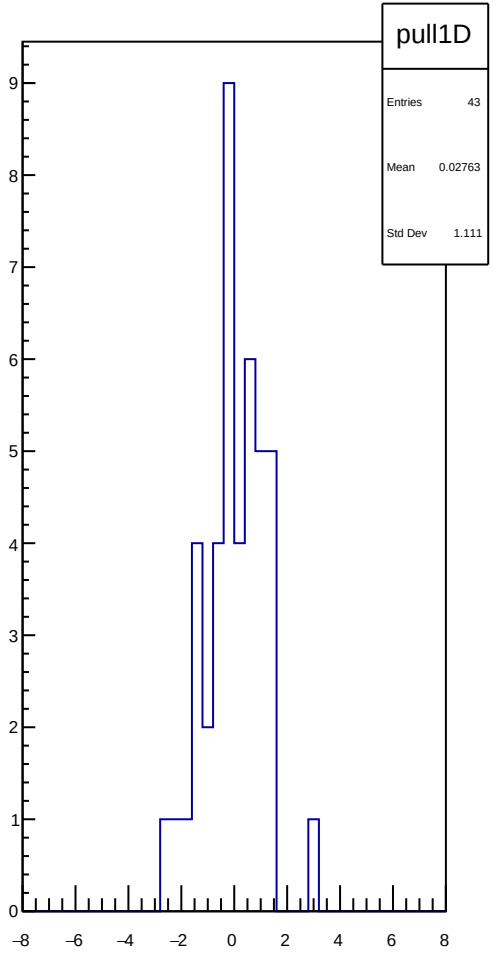

pull1D
Entries 43
Mean −0.00702
Std Dev 1.227
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

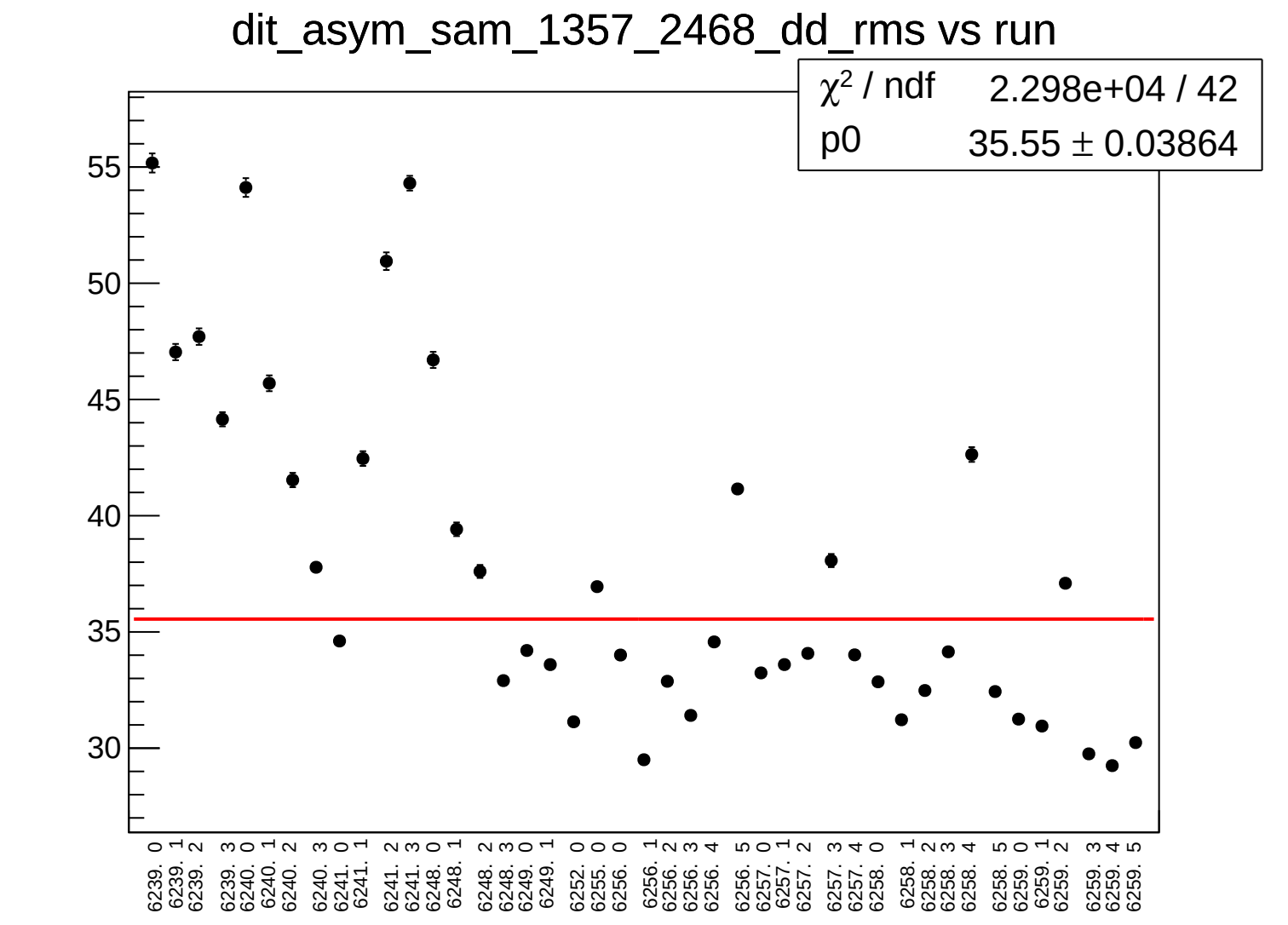

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.835e+04 / 42
p0 25.78 ± 0.02795
40
35
30
25
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

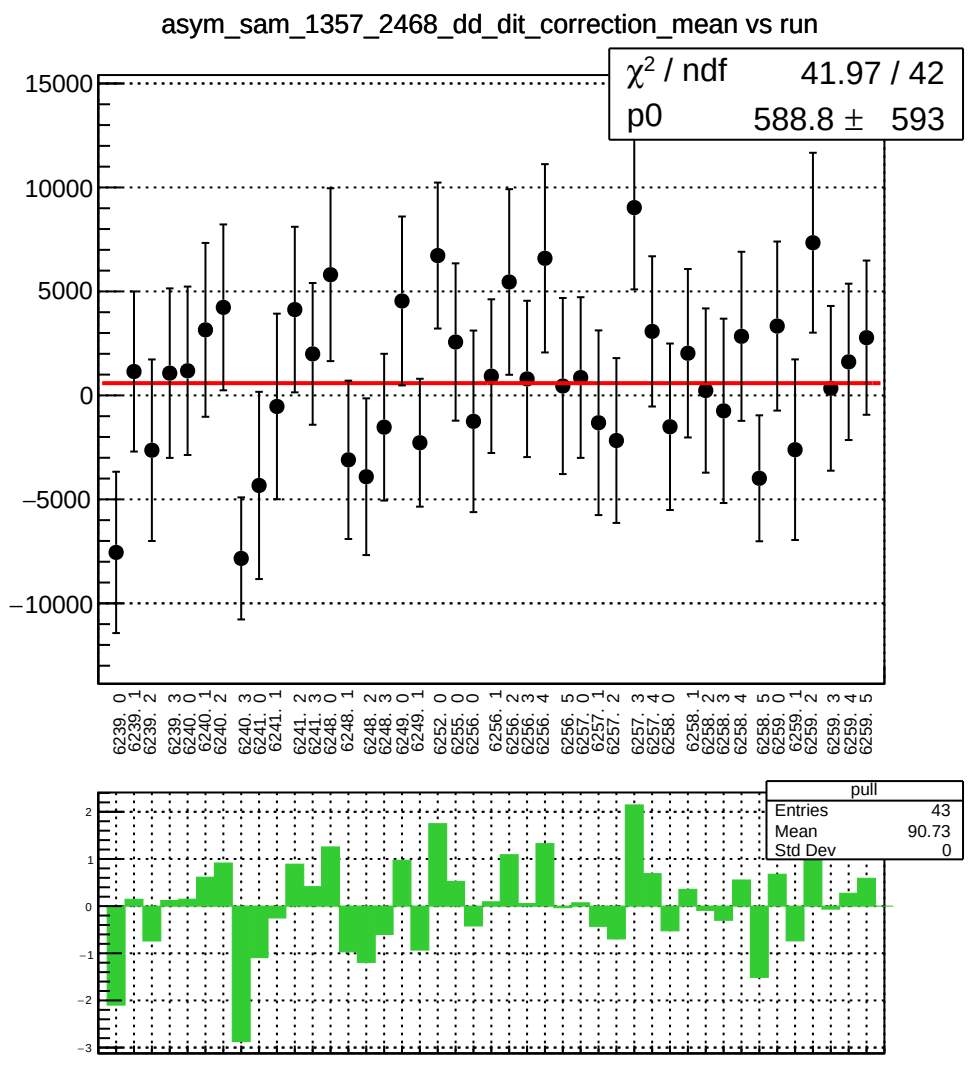

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.77 / 42
p0 540 ± 566.7
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04393
Std Dev 0.9963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

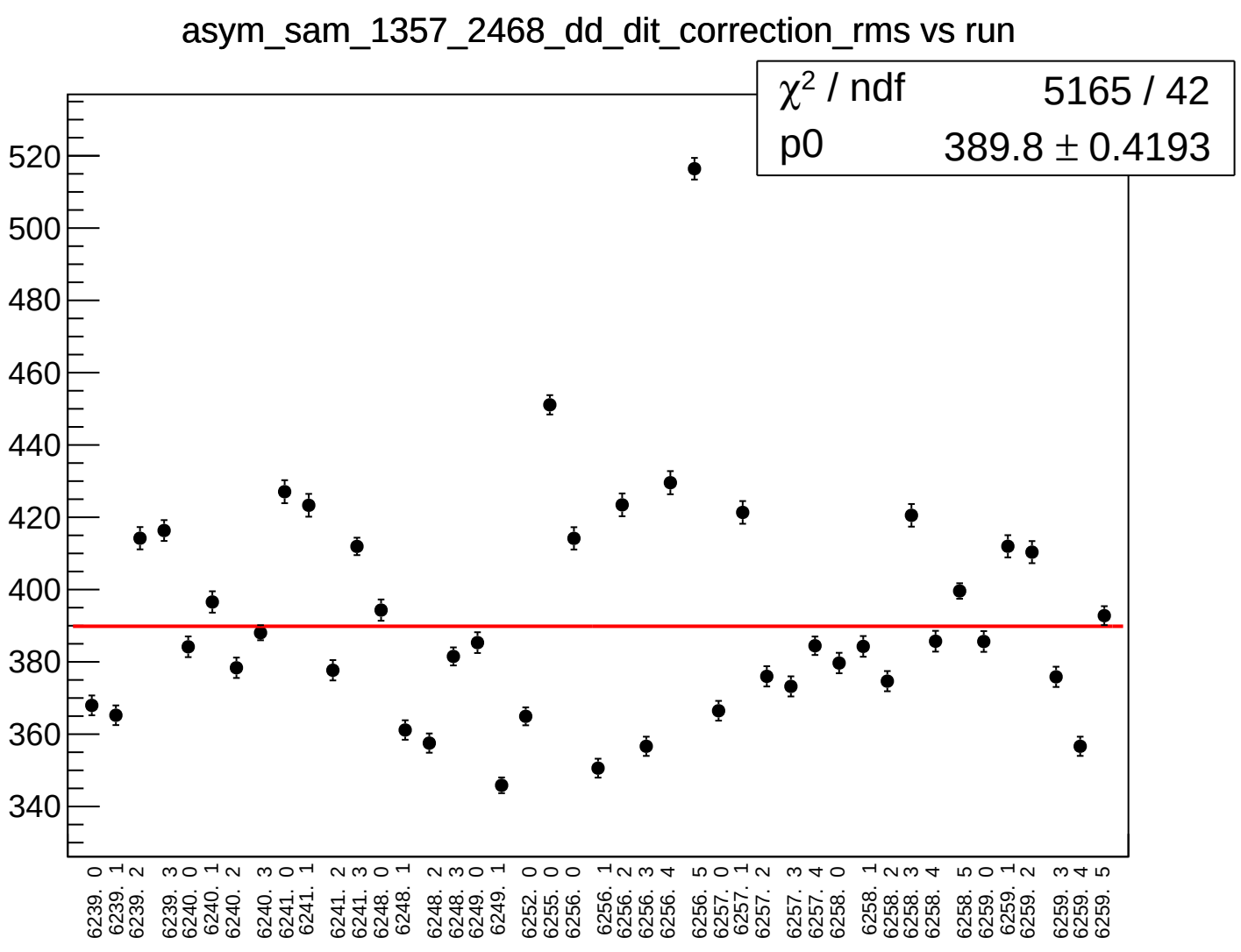

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 5911 / 42
p0 372.4 ± 0.4007
500
480
460
440
420
400
380
360
340
320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

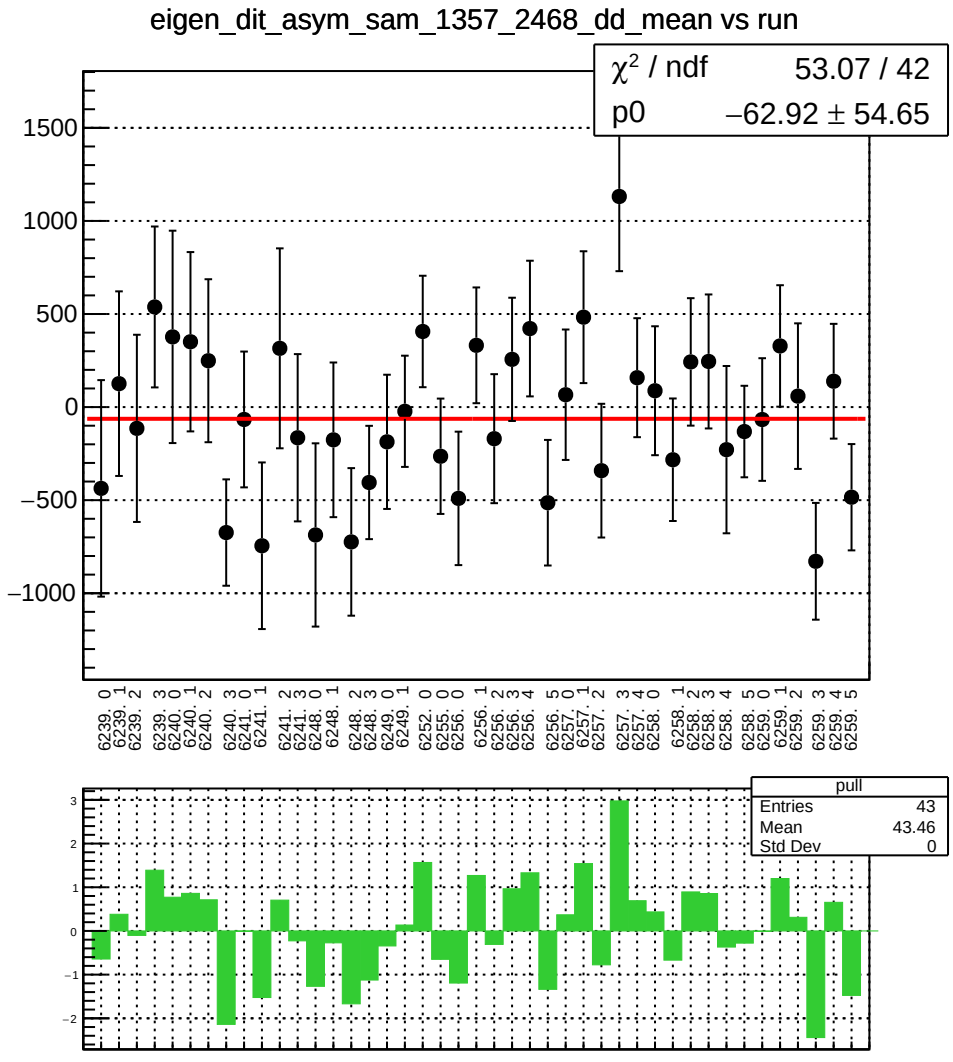

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 53.07 / 42
p0 −62.91 ± 54.65
1500
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 43.46
Std Dev 0
3
2
1
0
−1
−2

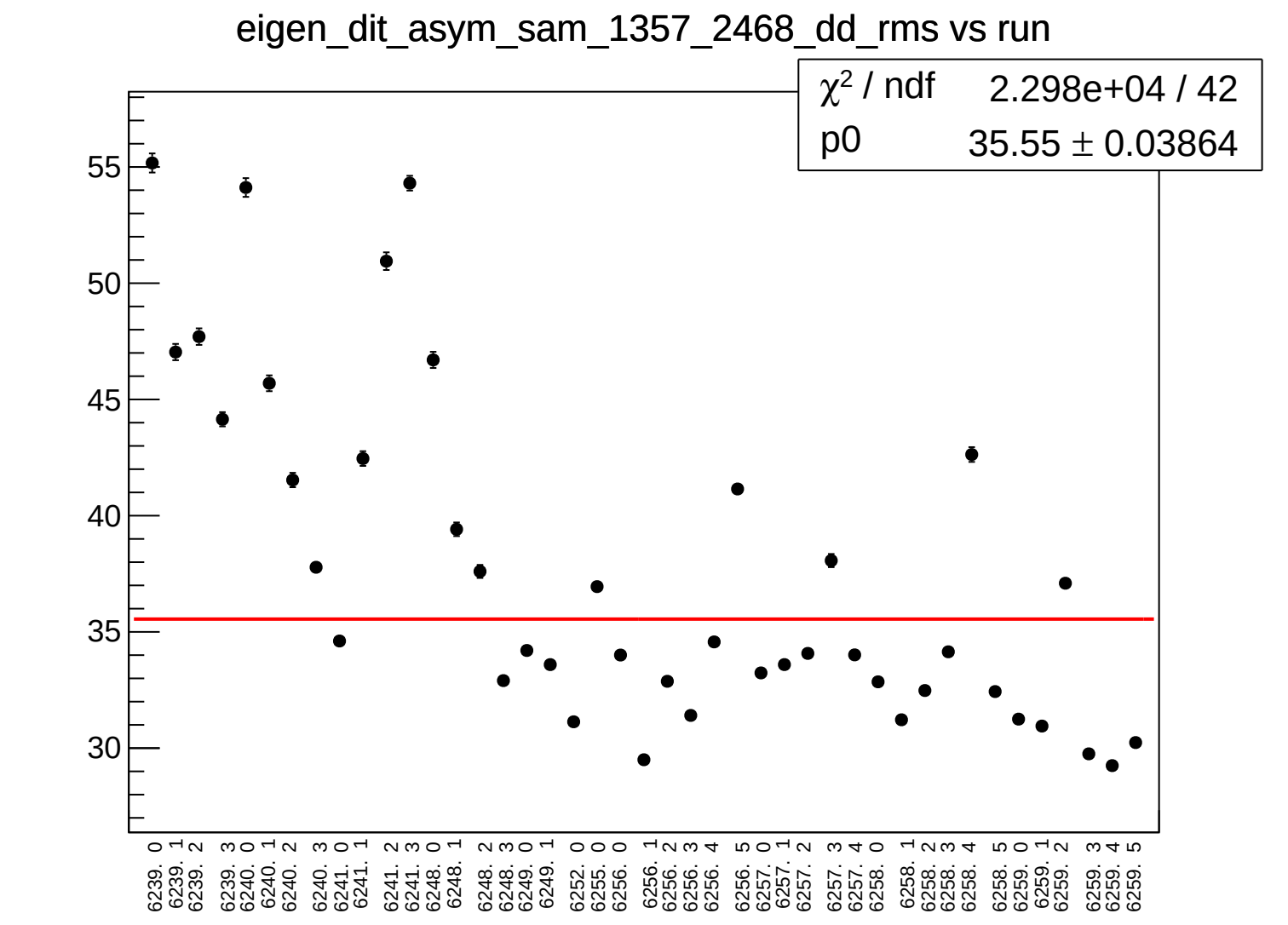

pull1D
Entries 43
Mean 0.02763
Std Dev 1.111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

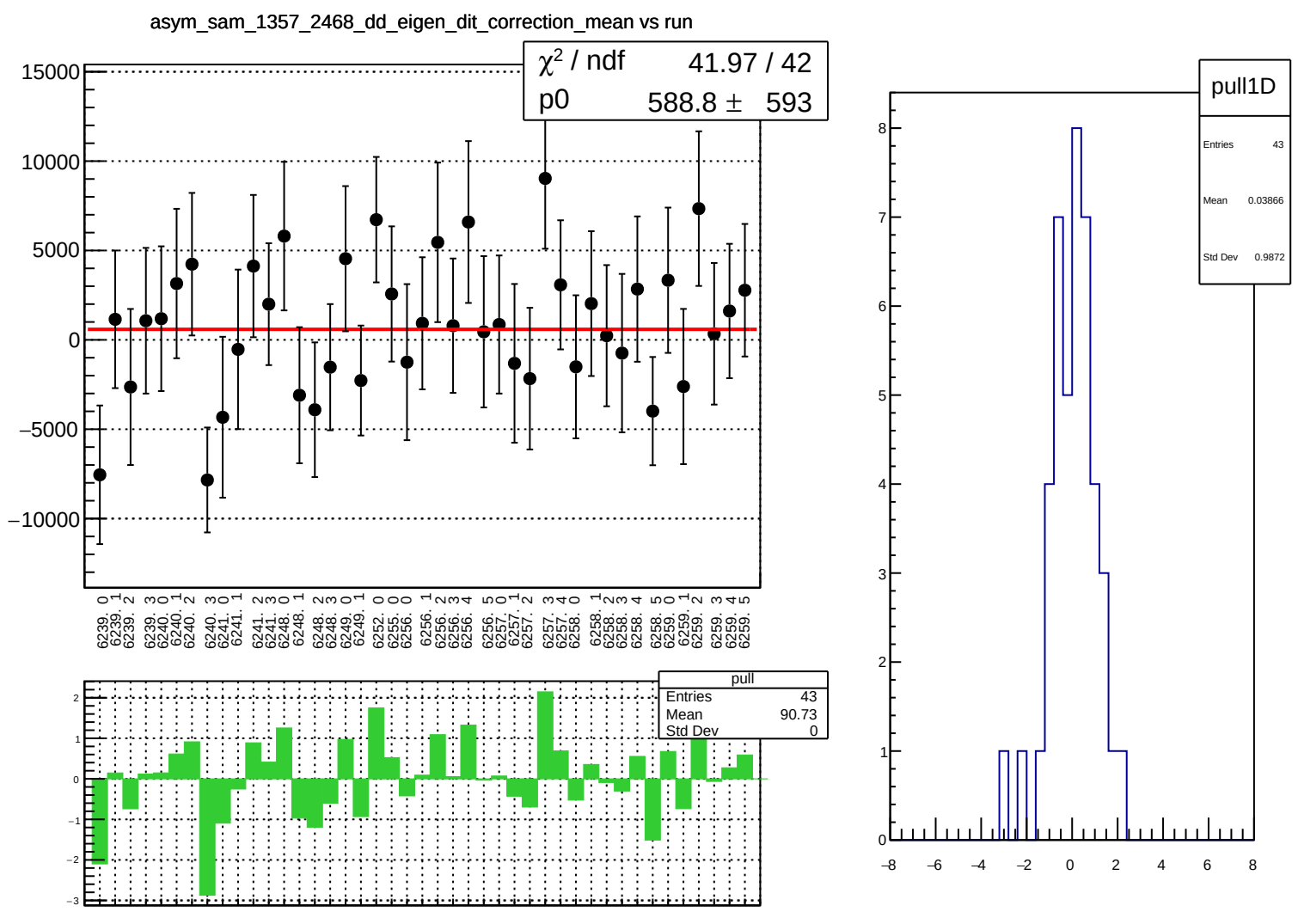

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.298e+04 / 42
p0 35.55 ± 0.03864
55
50
45
40
35
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

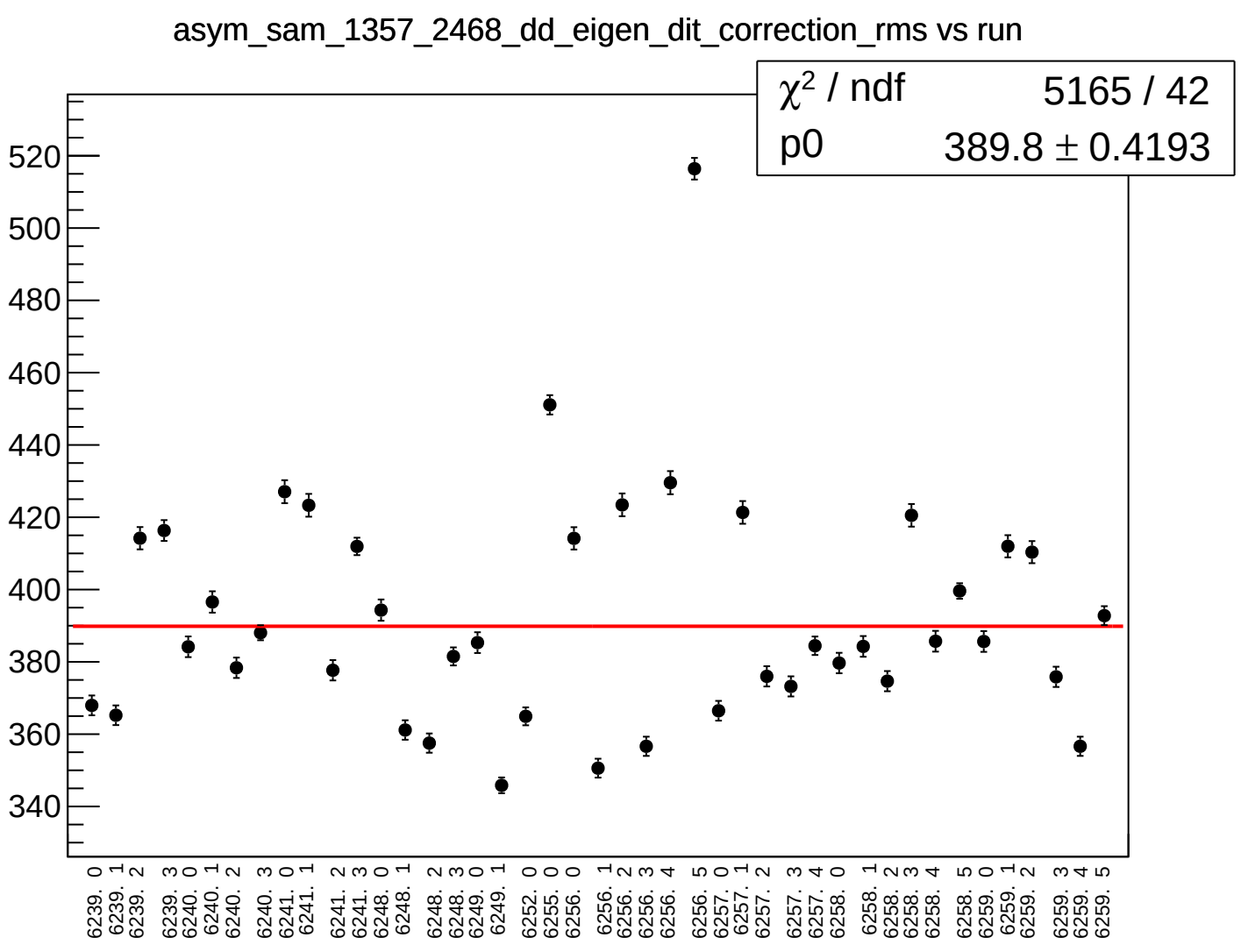

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 41.97 / 42
p0 588.8 ± 593
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 90.73
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03866
Std Dev 0.9872
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

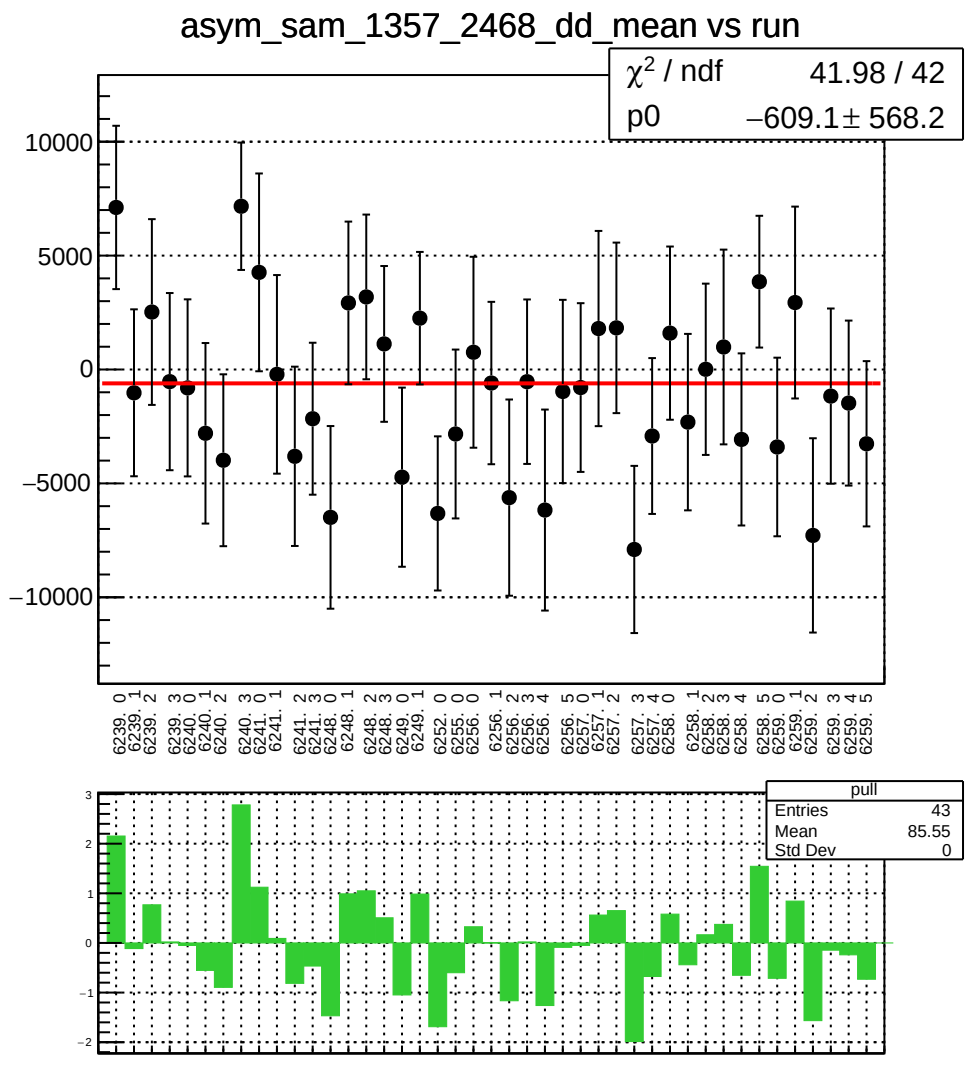

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 5165 / 42
p0 389.8 ± 0.4193
520
500
480
460
440
420
400
380
360
340
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

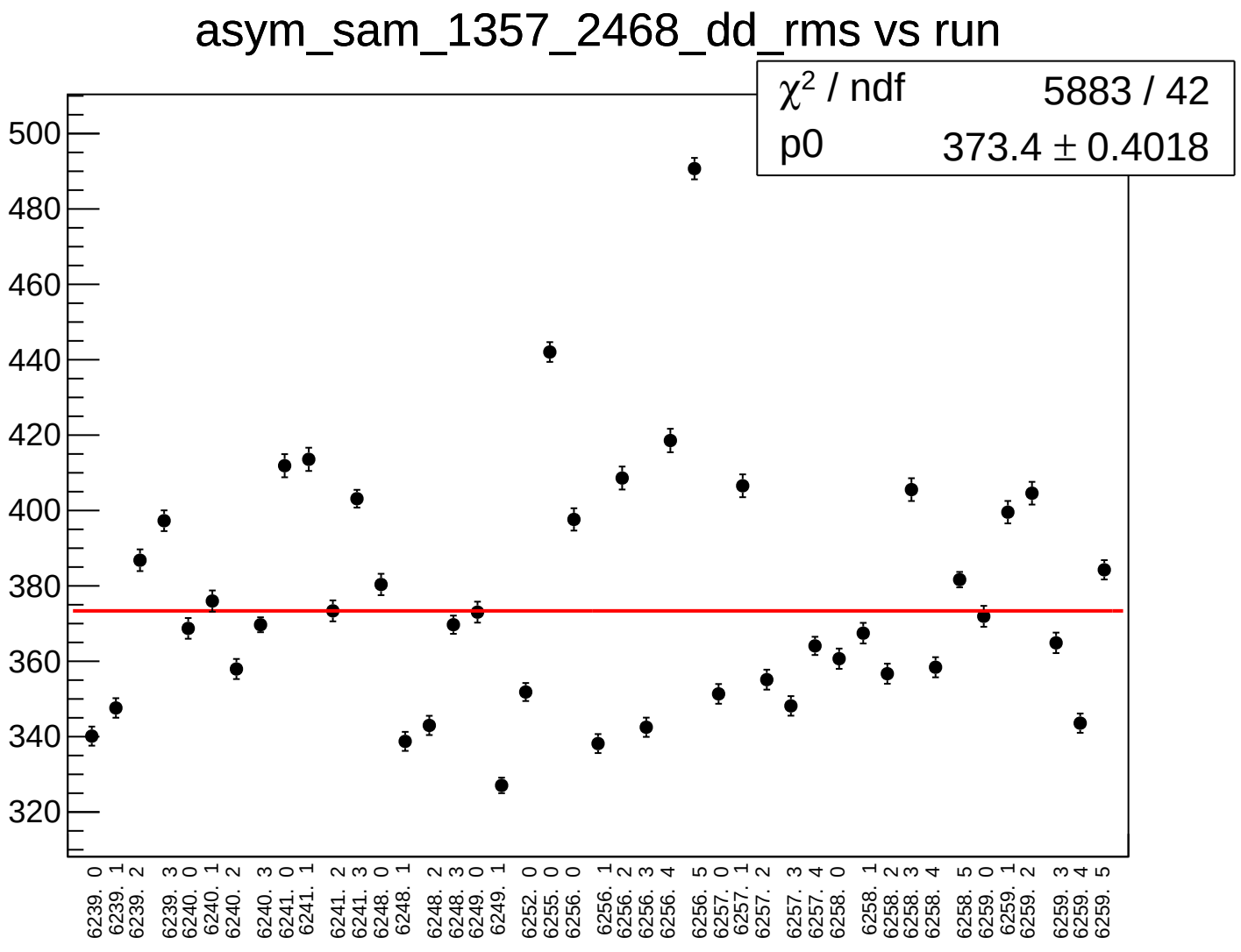

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 53.07 / 42
p0 −62.92 ± 54.65
1500
1000
500
0
−500
−1000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 43.46
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.02763
Std Dev 1.111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

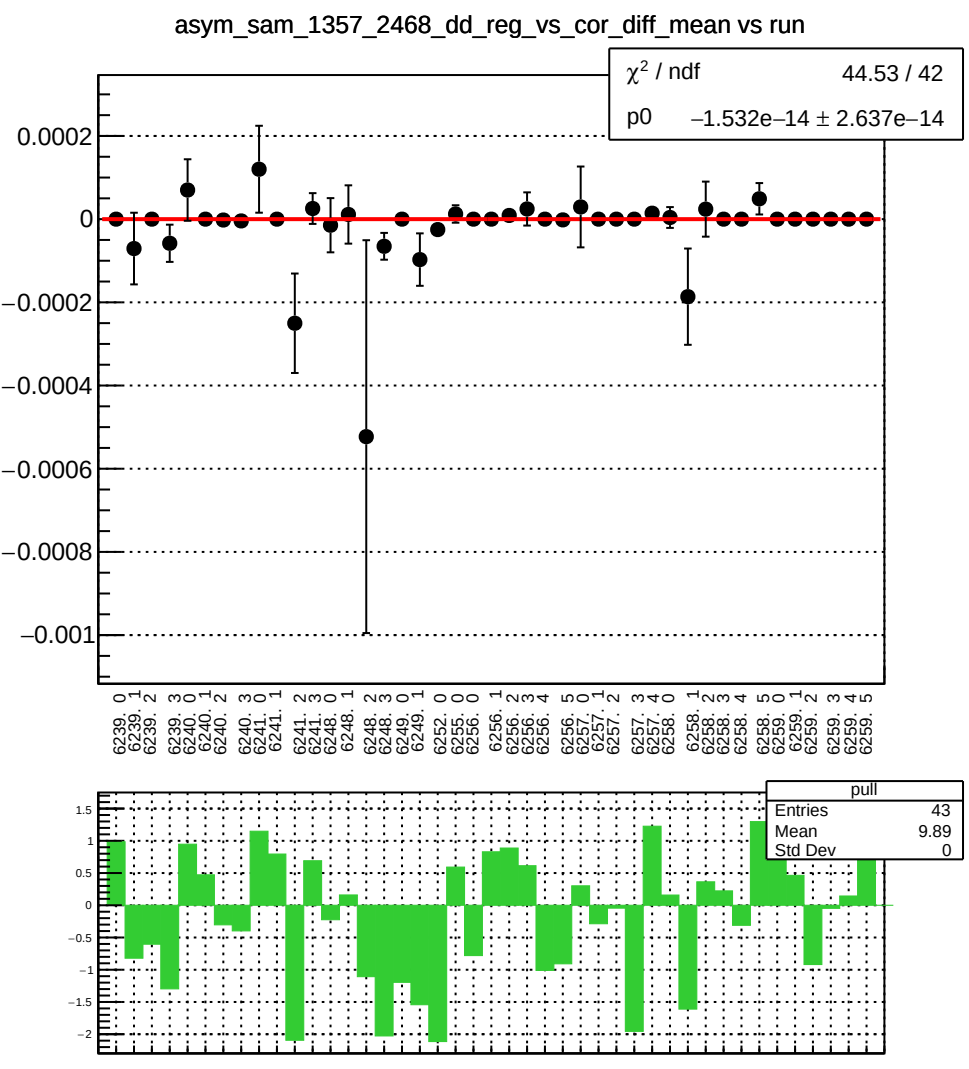

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.298e+04 / 42
p0 35.55 ± 0.03864
55
50
45
40
35
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

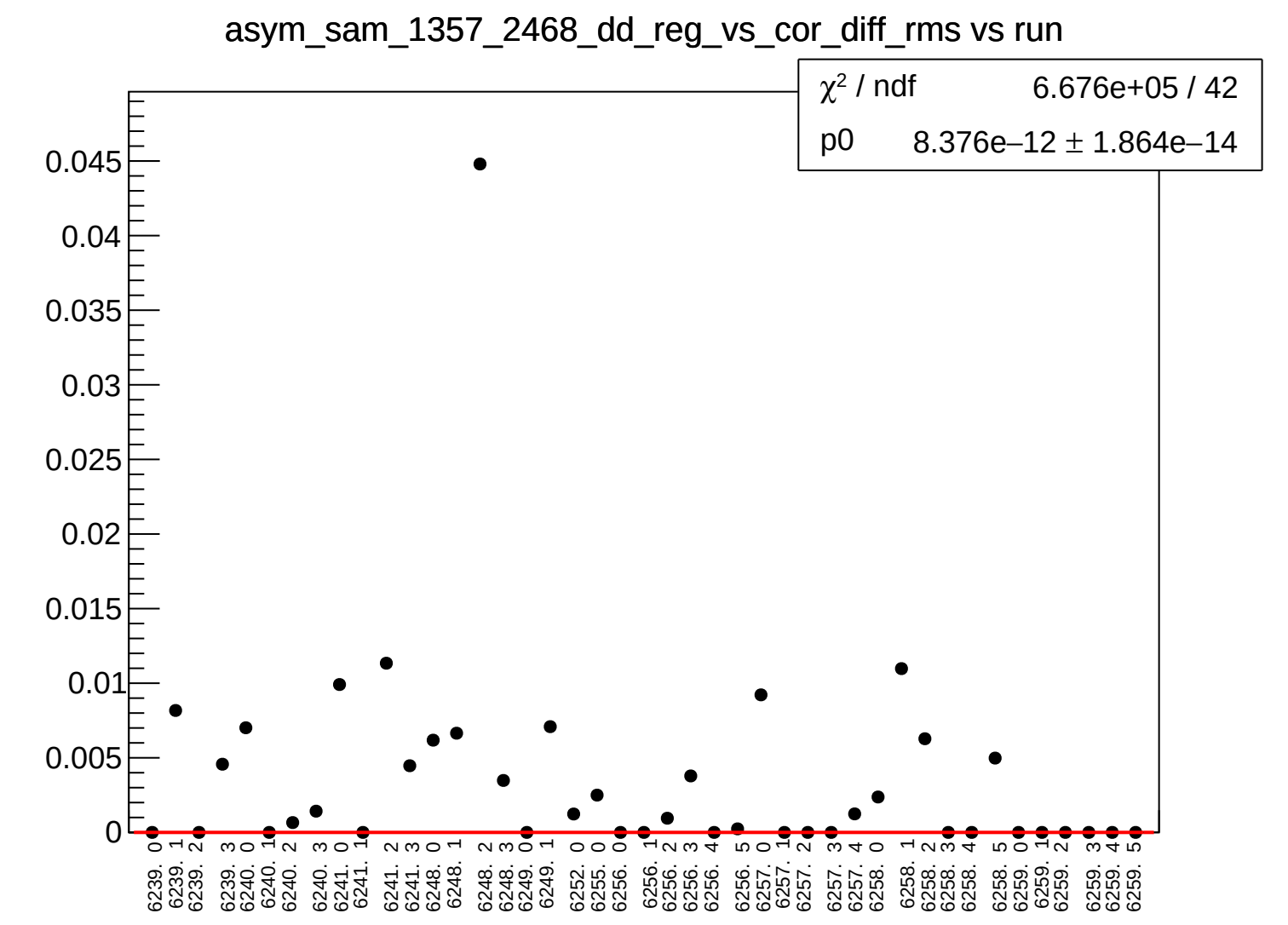

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.97 / 42
p0 588.8 ± 593
15000
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 90.73
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.03866
Std Dev 0.9872
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

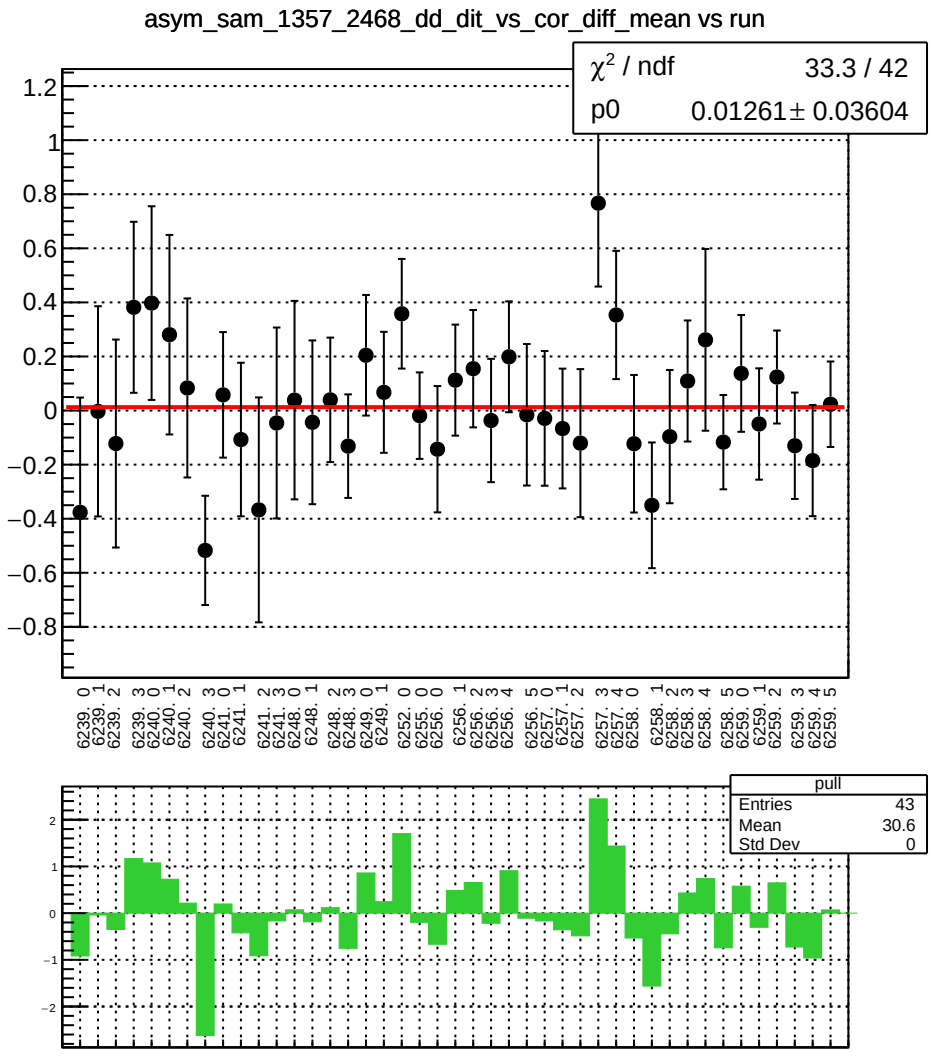

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 5165 / 42
p0 389.8 ± 0.4193
520
500
480
460
440
420
400
380
360
340
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

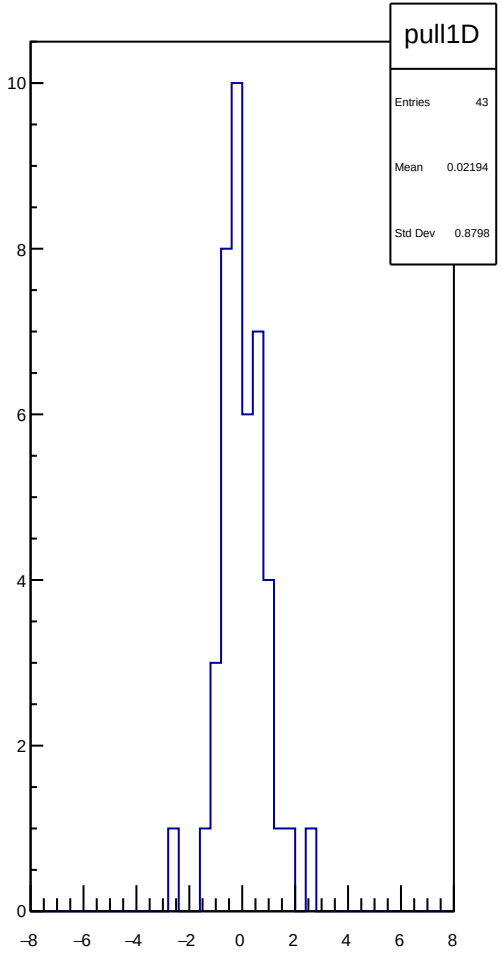

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 41.98 / 42
p0 −609.1± 568.2
10000
5000
0
−5000
−10000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 85.55
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04339
Std Dev 0.9871
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

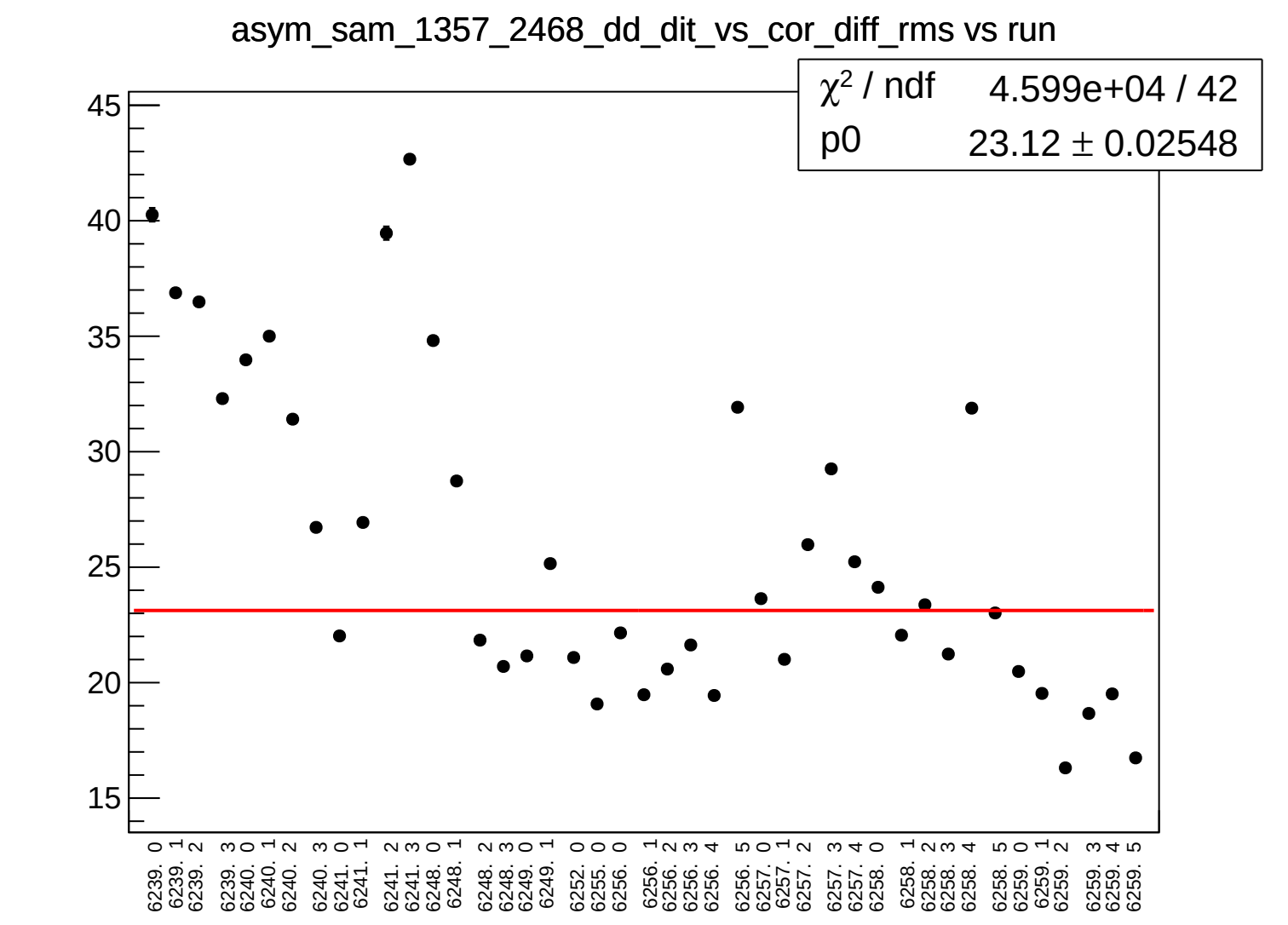

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5883 / 42
p0 373.4 ± 0.4018
500
480
460
440
420
400
380
360
340
320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

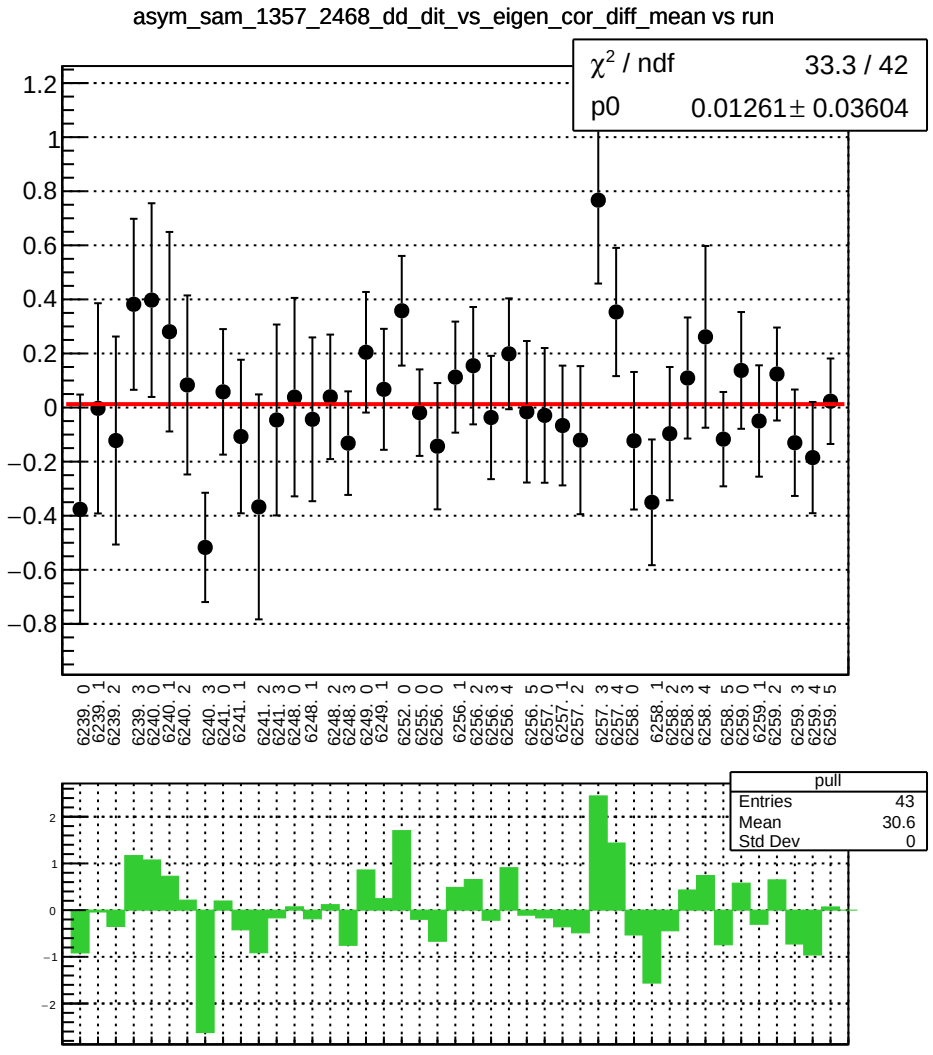

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.53 / 42
p0 −1.532e−14 ± 2.637e−14
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.1603
Std Dev 1.005
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

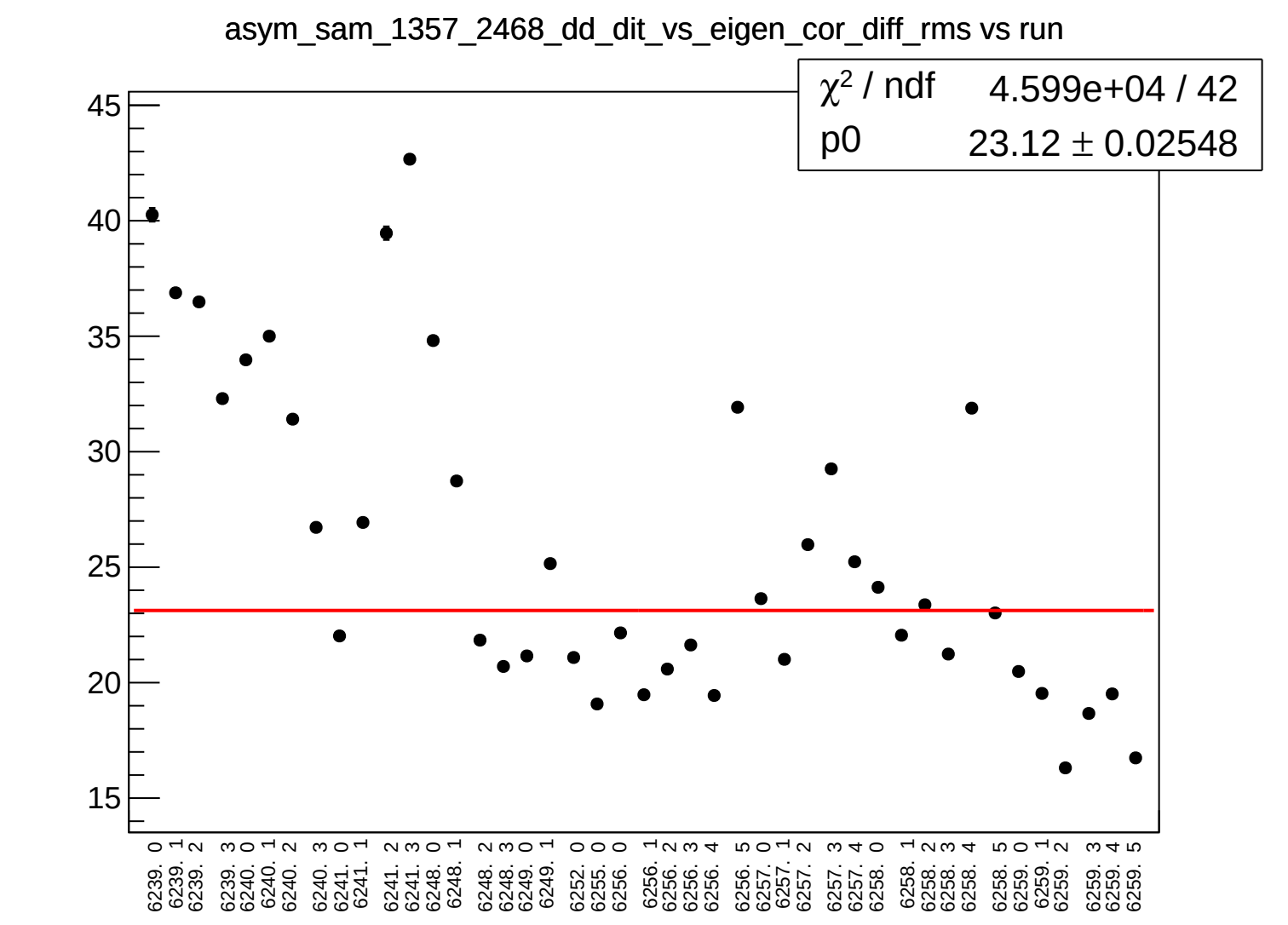

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.676e+05 / 42
p0 8.376e−12 ± 1.864e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

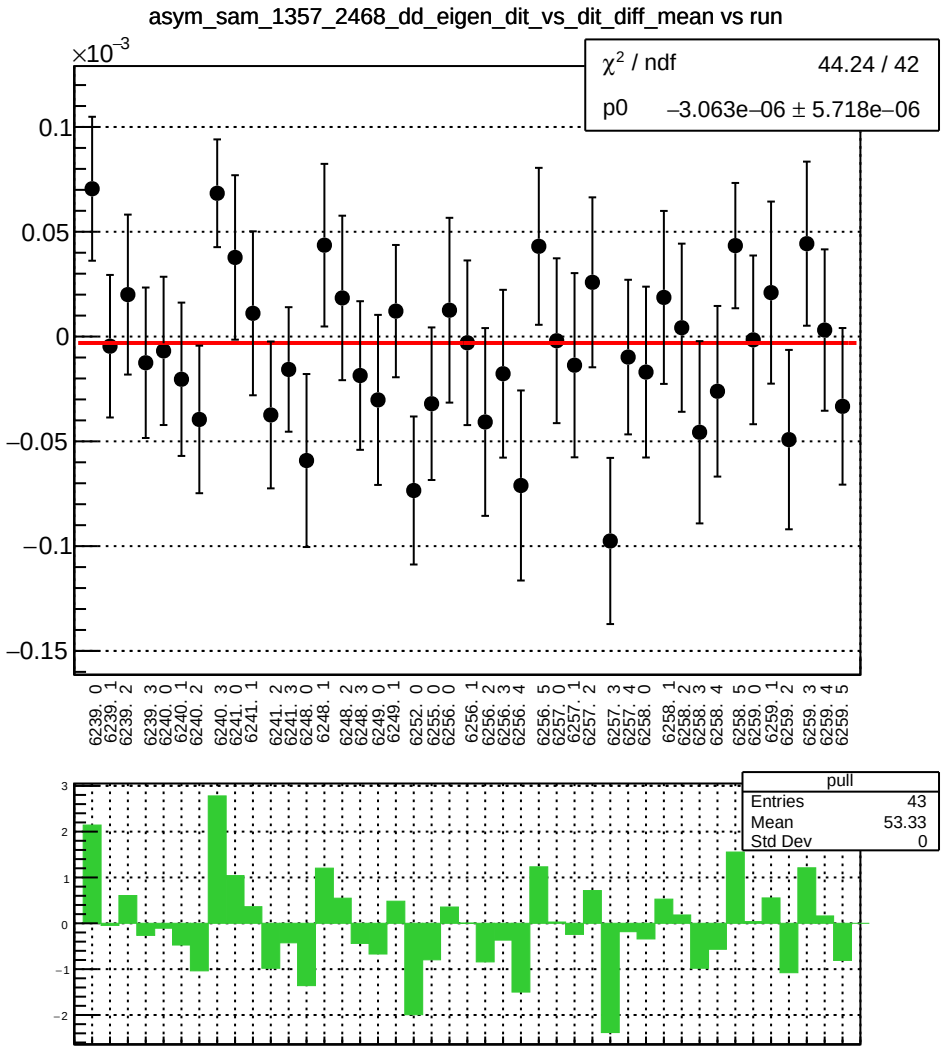

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.3 / 42
p0 0.01261 ± 0.03604
pull
Entries 43
Mean 30.6
Std Dev 0

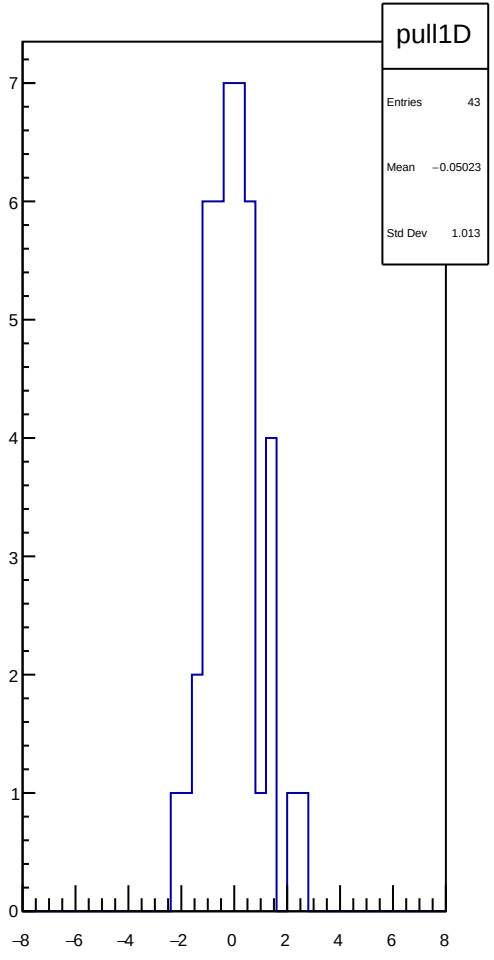

pull1D
Entries 43
Mean 0.02194
Std Dev 0.8798

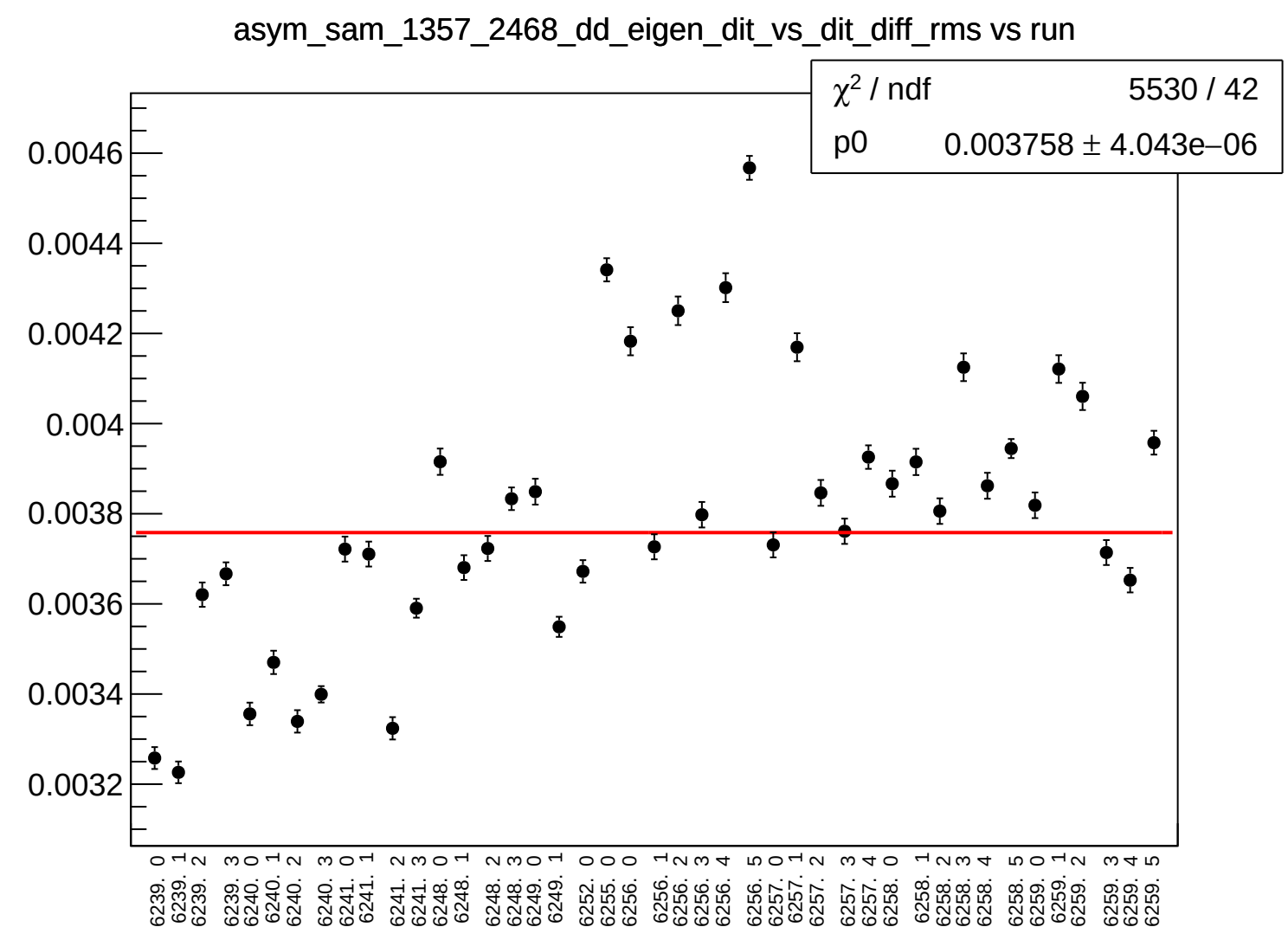

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.599e+04 / 42
p0 23.12 ± 0.02548
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

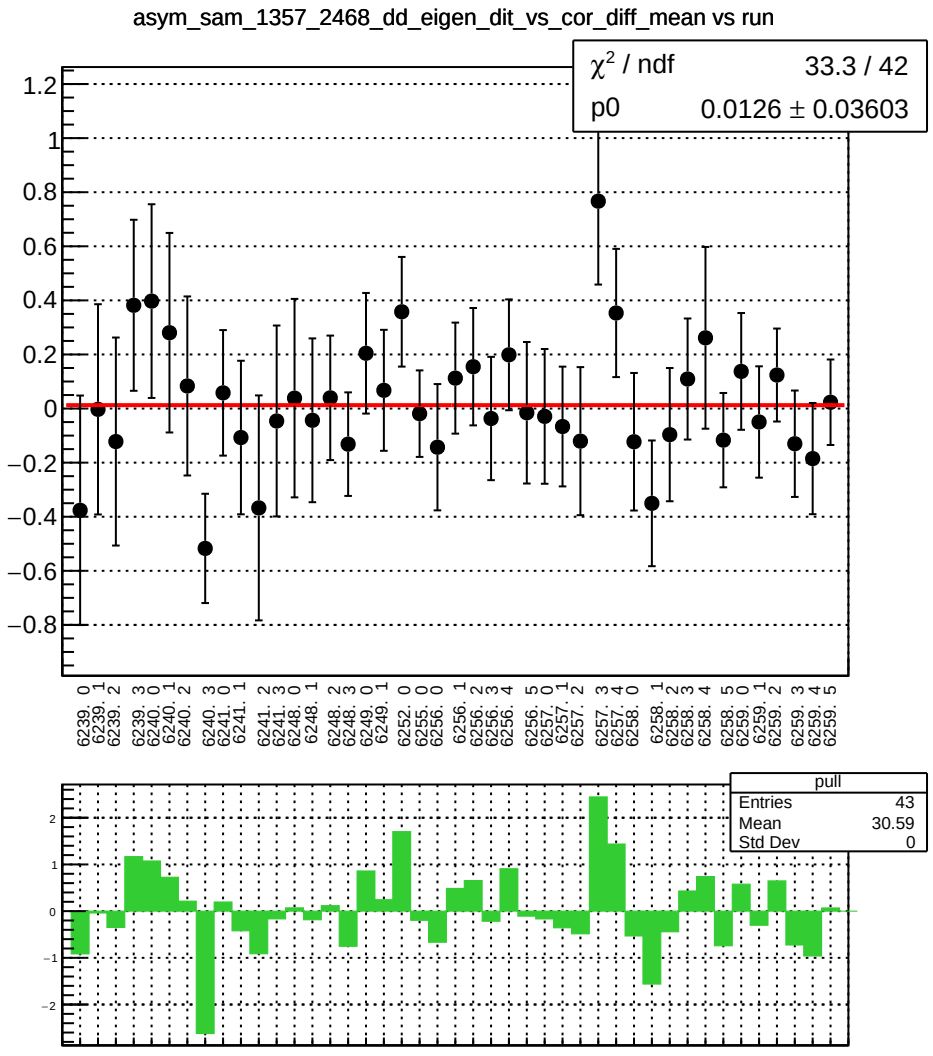

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.3 / 42
p0 0.01261 ± 0.03604
pull
Entries 43
Mean 30.6
Std Dev 0
pull1D
Entries 43
Mean 0.02194
Std Dev 0.8798

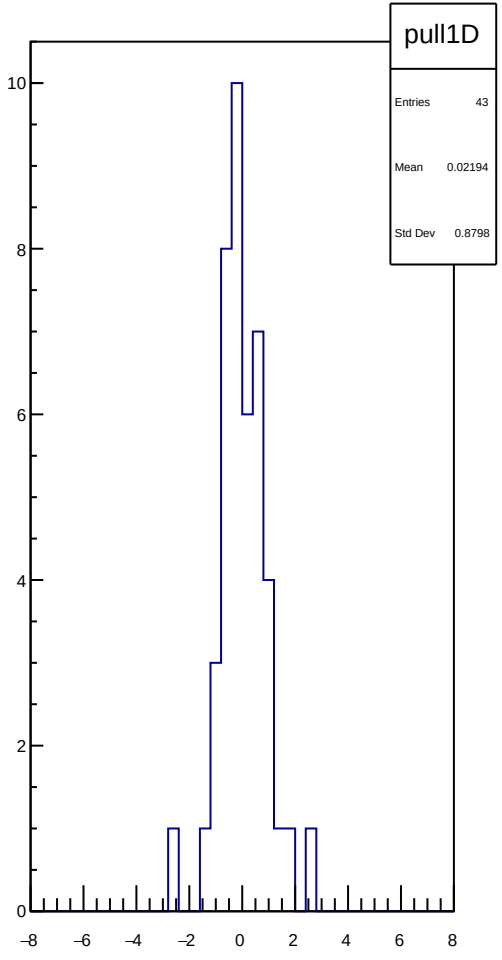

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.599e+04 / 42
p0 23.12 ± 0.02548
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

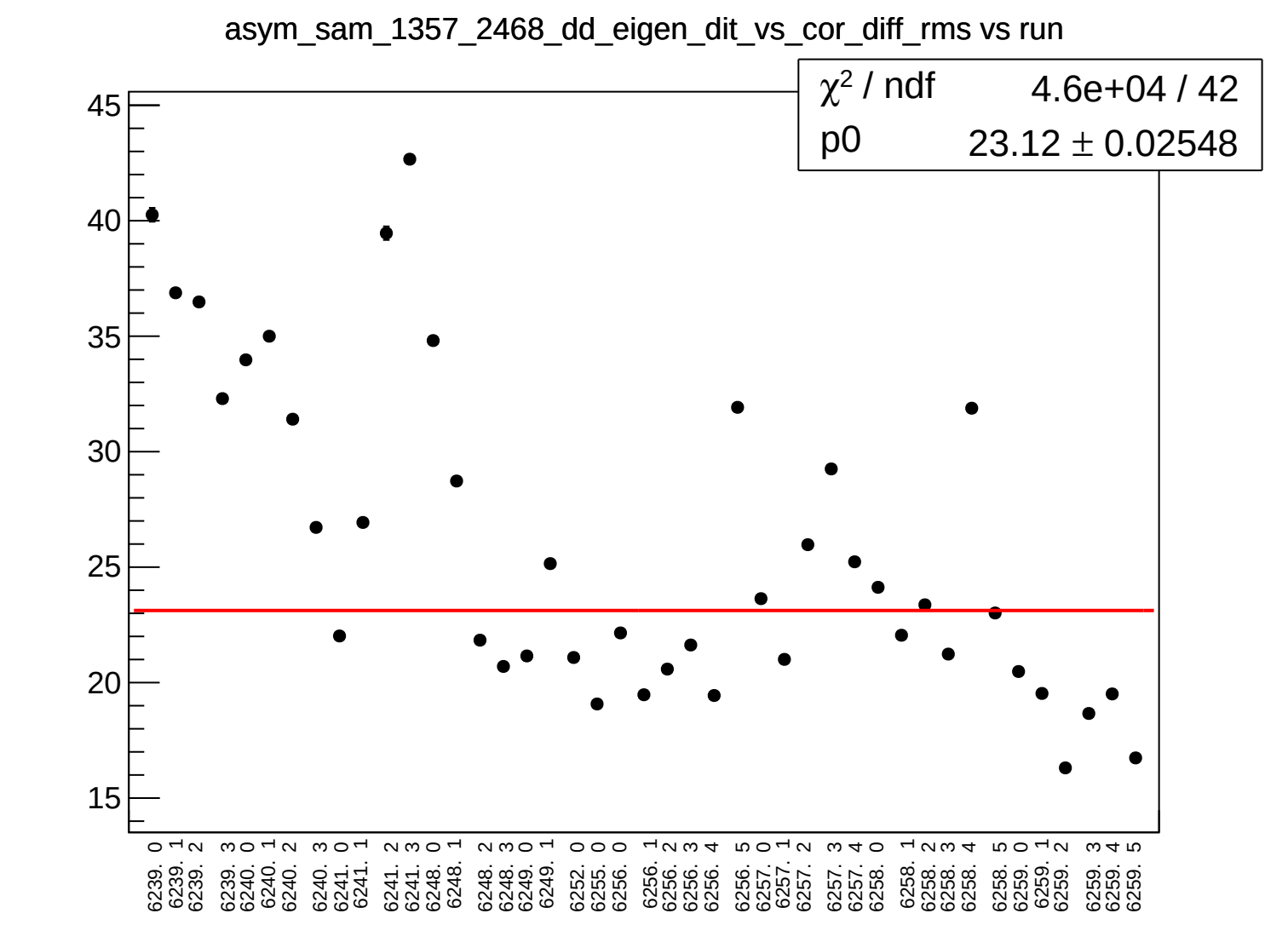

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 44.24 / 42
p0 −3.063e−06 ± 5.718e−06
0.1
0.05
0
−0.05
−0.1
−0.15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 53.33
Std Dev 0
3
2
1
0
−1
−2

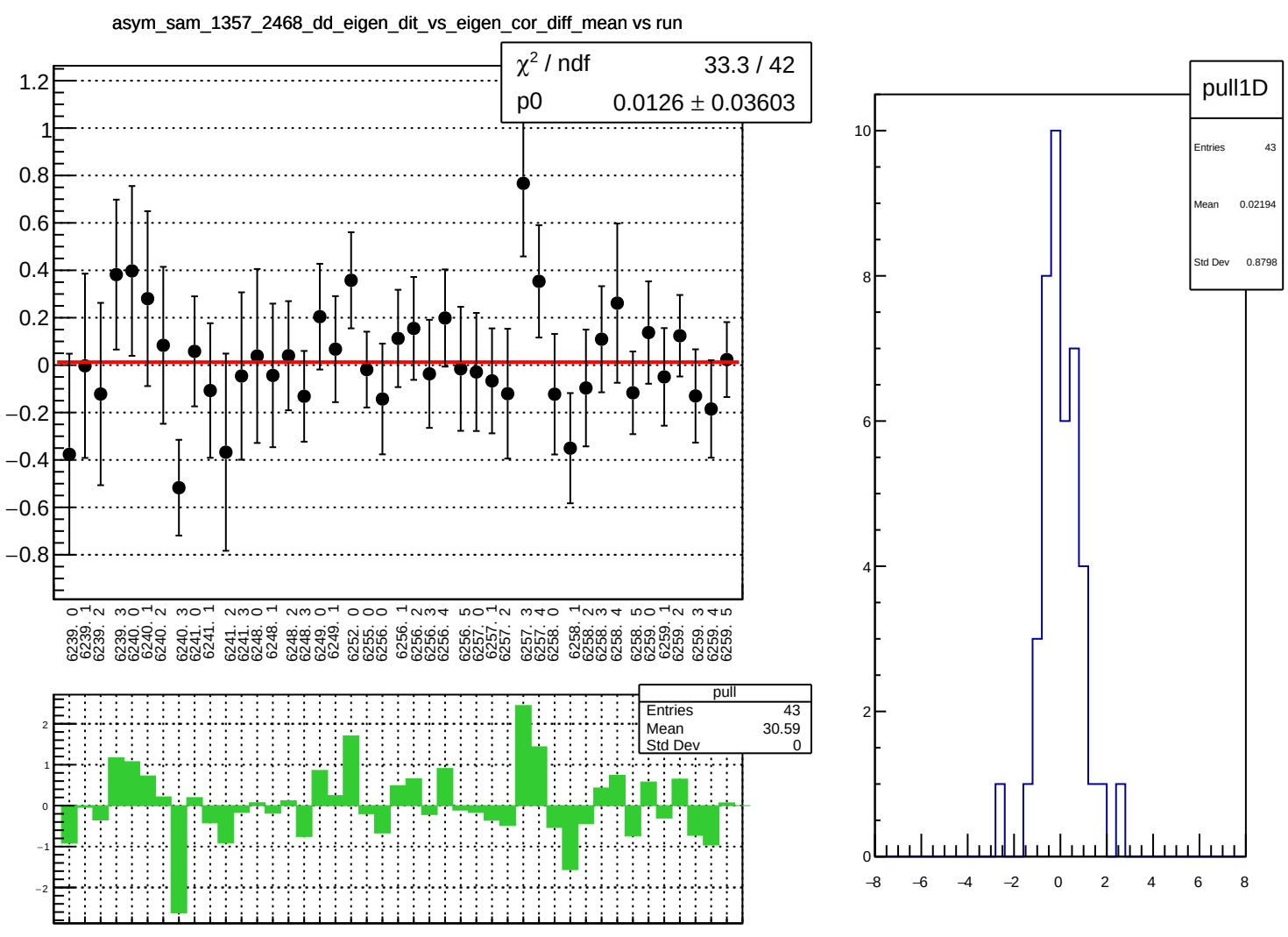

pull1D
Entries 43
Mean −0.05023
Std Dev 1.013
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

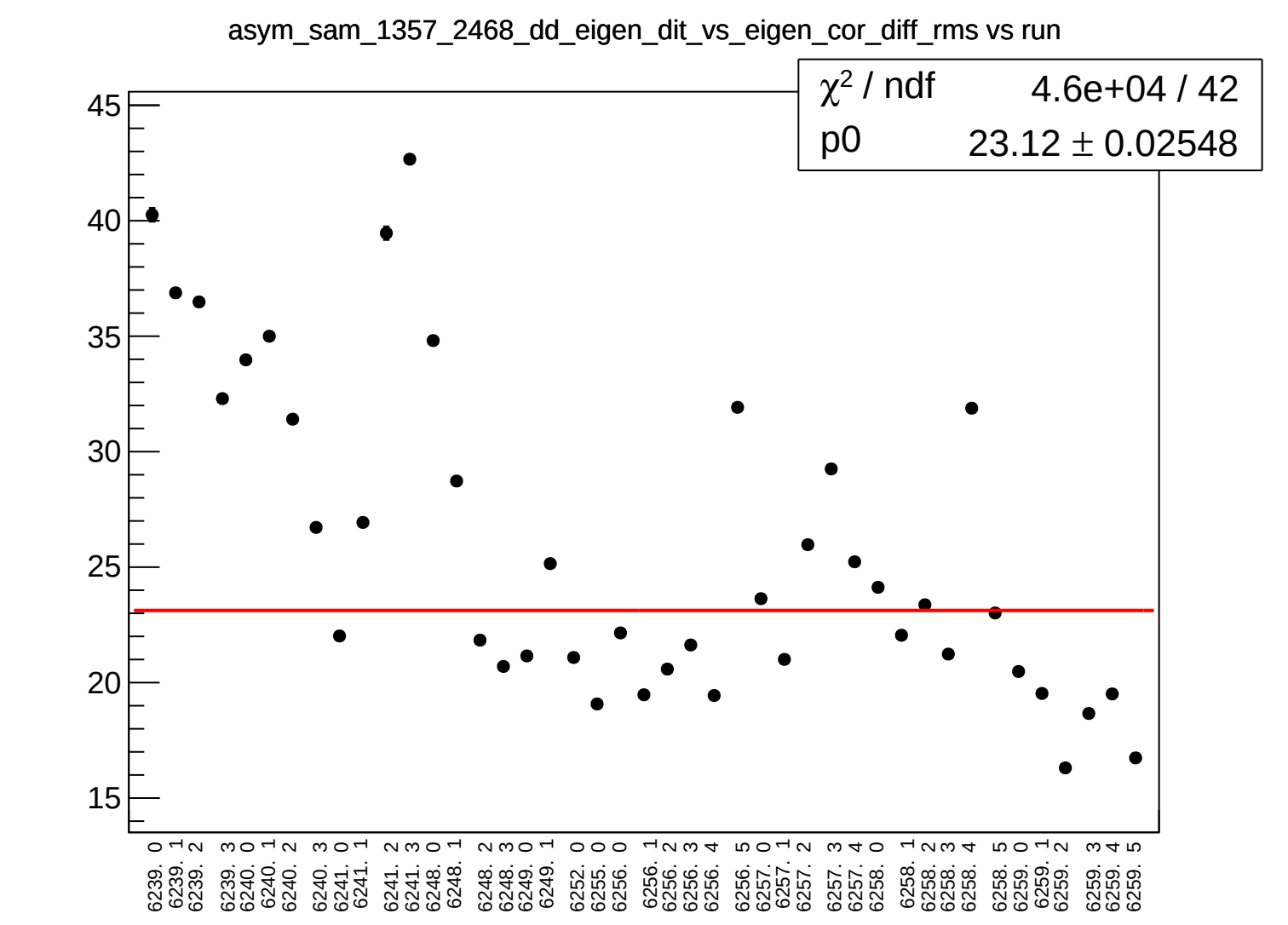

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5530 / 42
p0 0.003758 ± 4.043e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

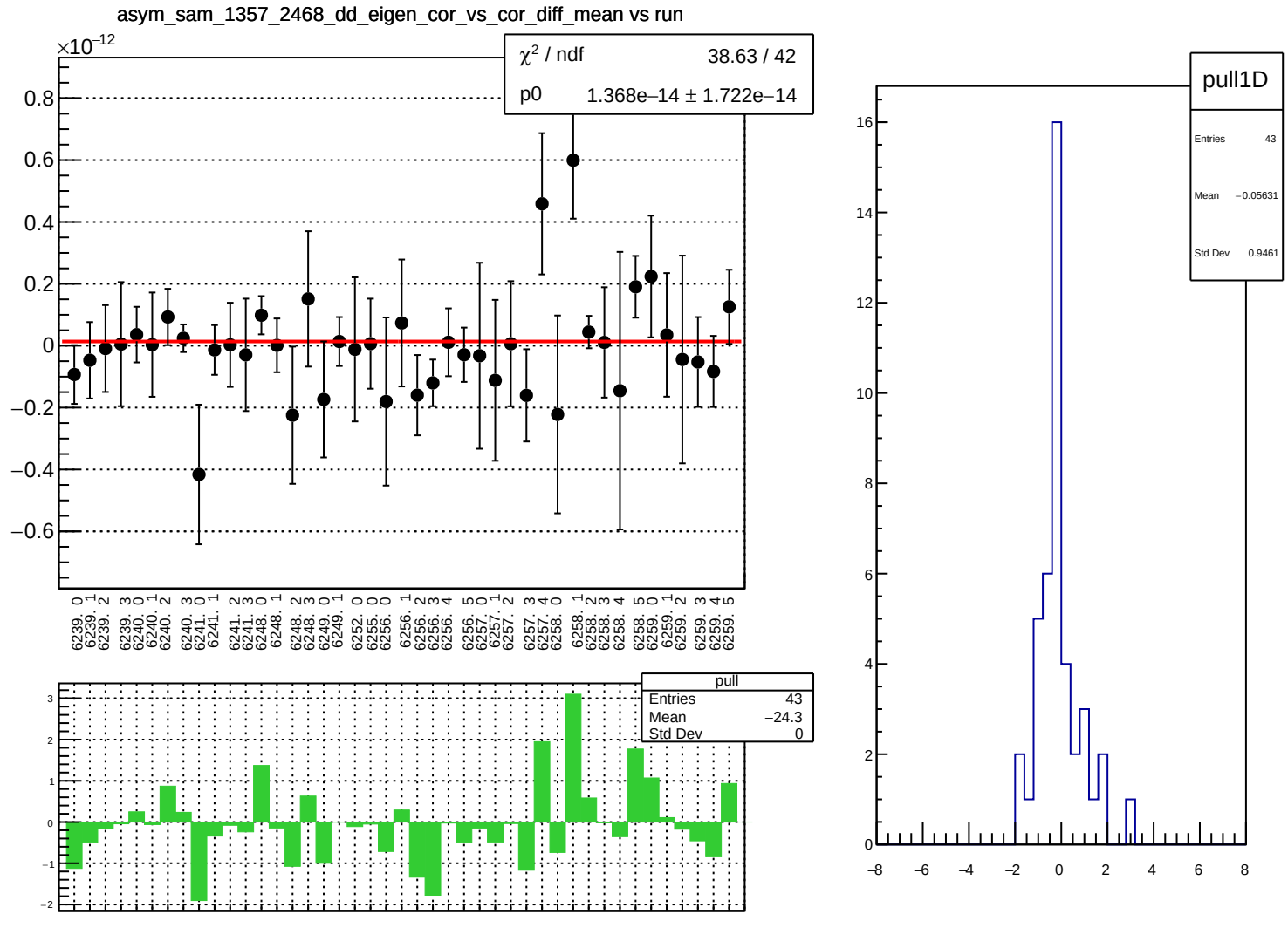

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.3 / 42
p0 0.0126 ± 0.03603
pull
Entries 43
Mean 30.59
Std Dev 0

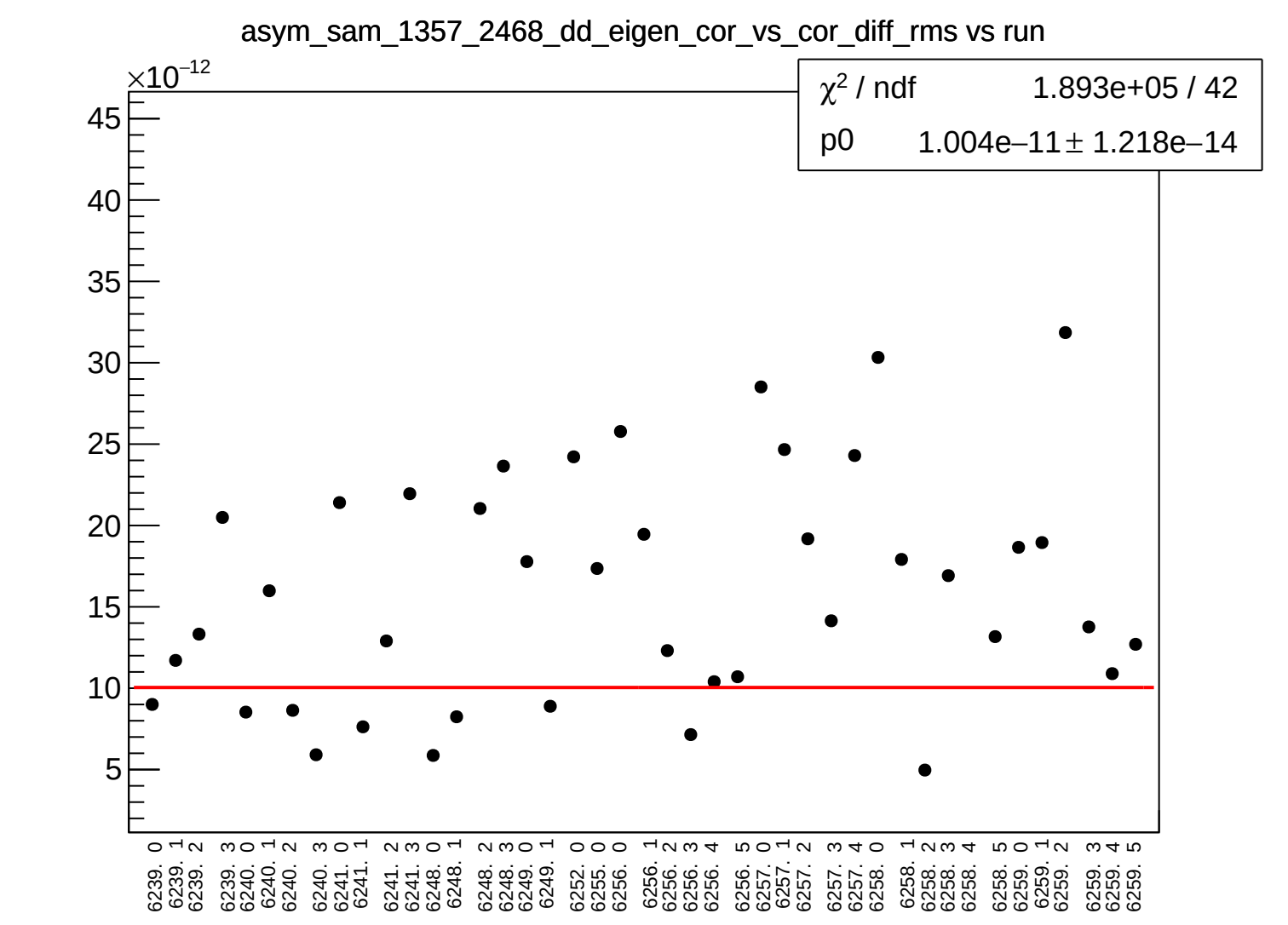

pull1D
Entries 43
Mean 0.02194
Std Dev 0.8798

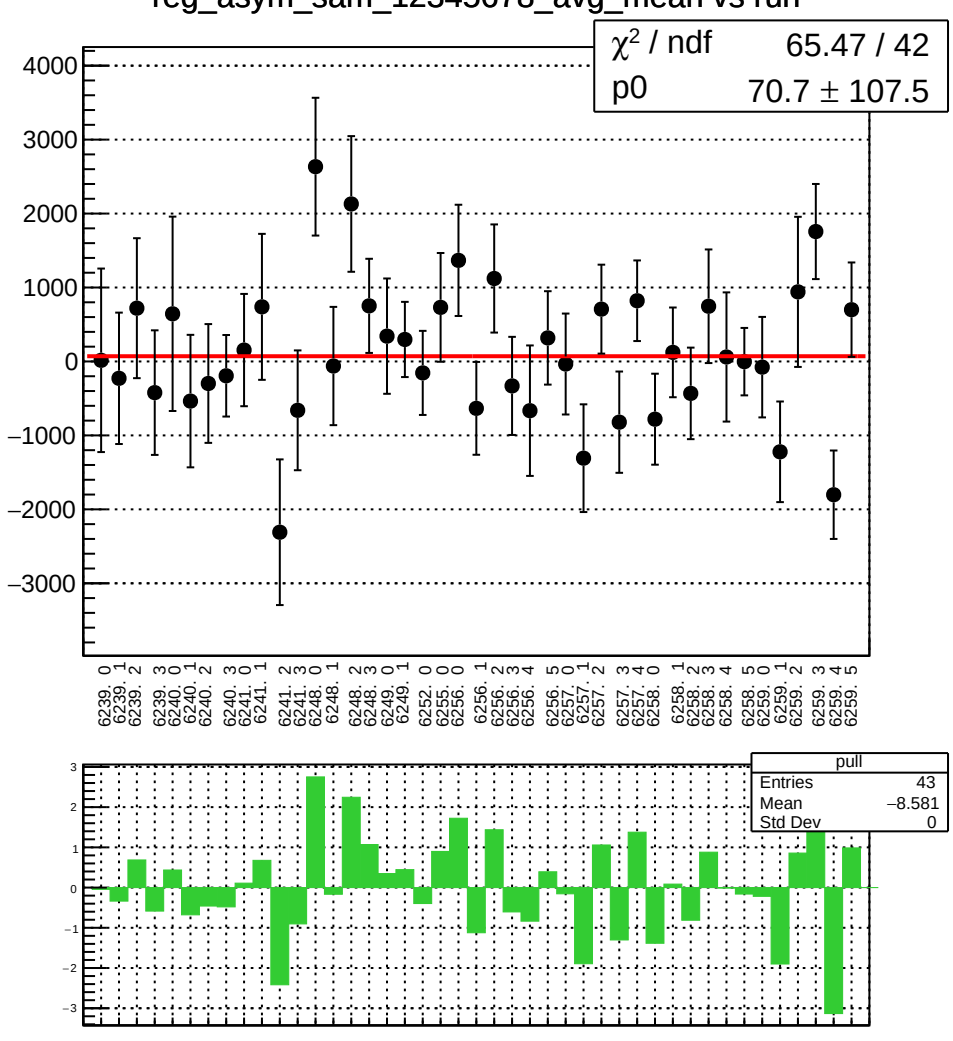

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.6e+04 / 42
p0 23.12 ± 0.02548
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

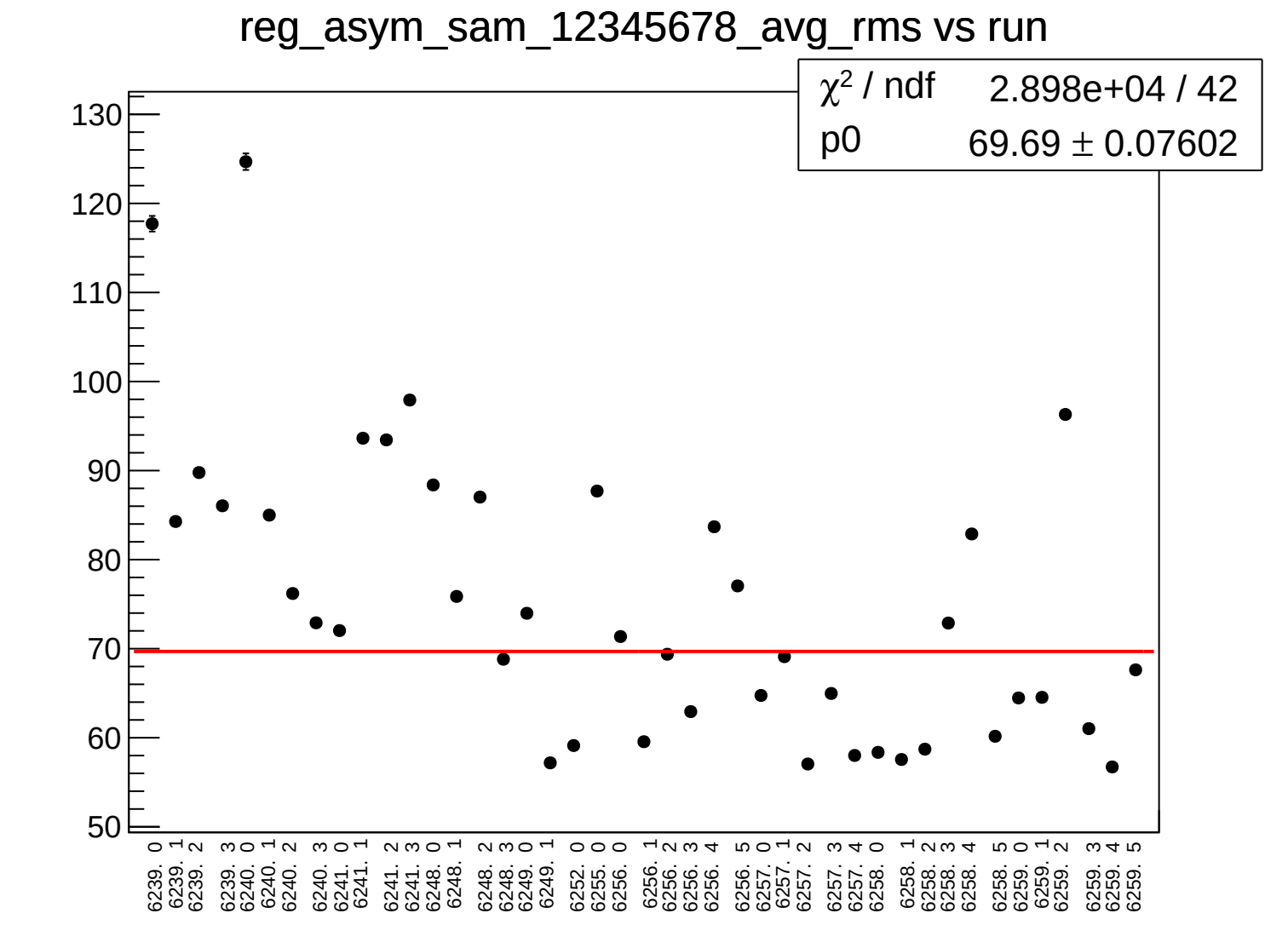

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.3 / 42
p0 0.0126 ± 0.03603
pull
Entries 43
Mean 30.59
Std Dev 0
pull1D
Entries 43
Mean 0.02194
Std Dev 0.8798


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.6e+04 / 42
p0 23.12 ± 0.02548
45
40
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

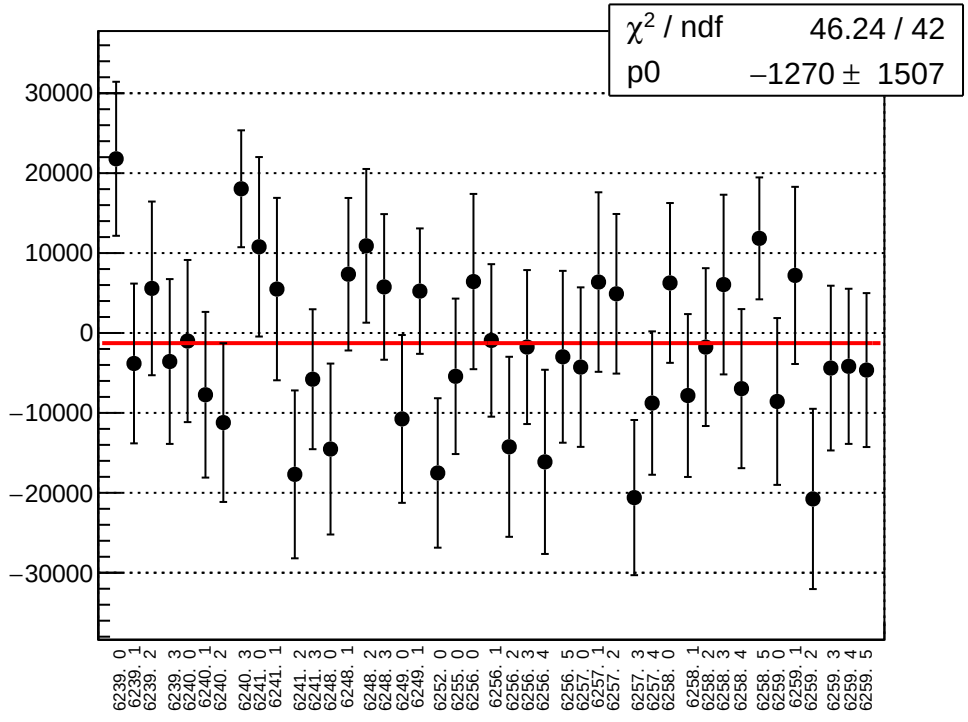

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.63 / 42
p0 1.368e−14 ± 1.722e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −24.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05631
Std Dev 0.9461
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

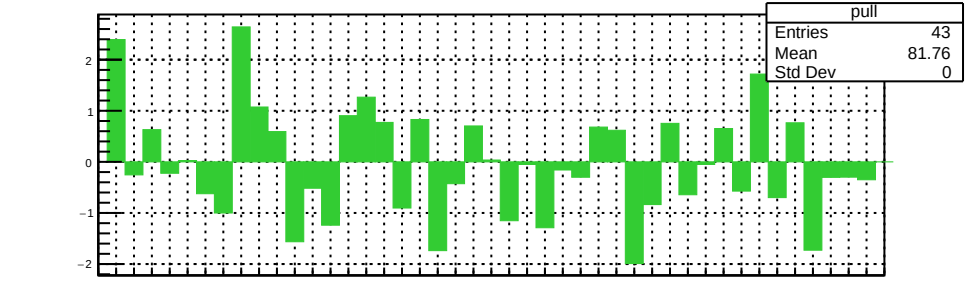

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.893e+05 / 42
p0 1.004e−11 ± 1.218e−14
45
40
35
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

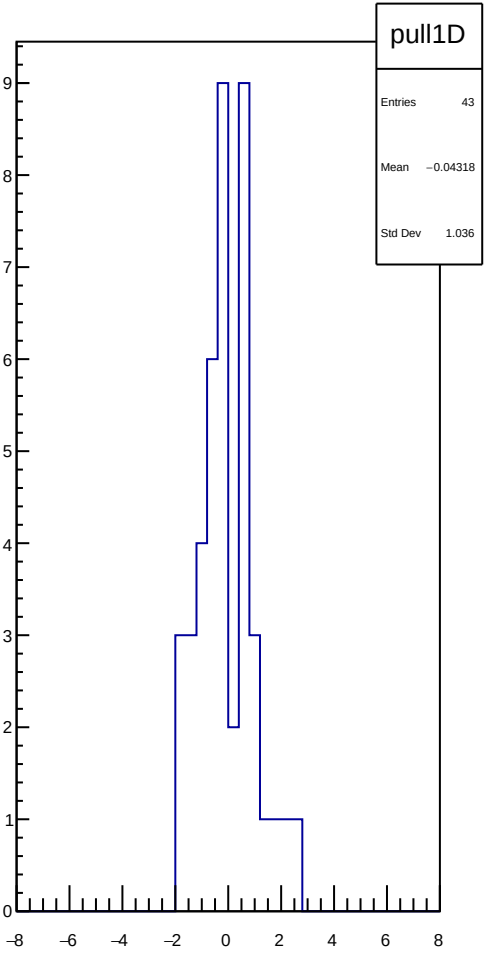

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.47 / 42
p0 70.7 ± 107.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.581
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02547
Std Dev 1.234
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

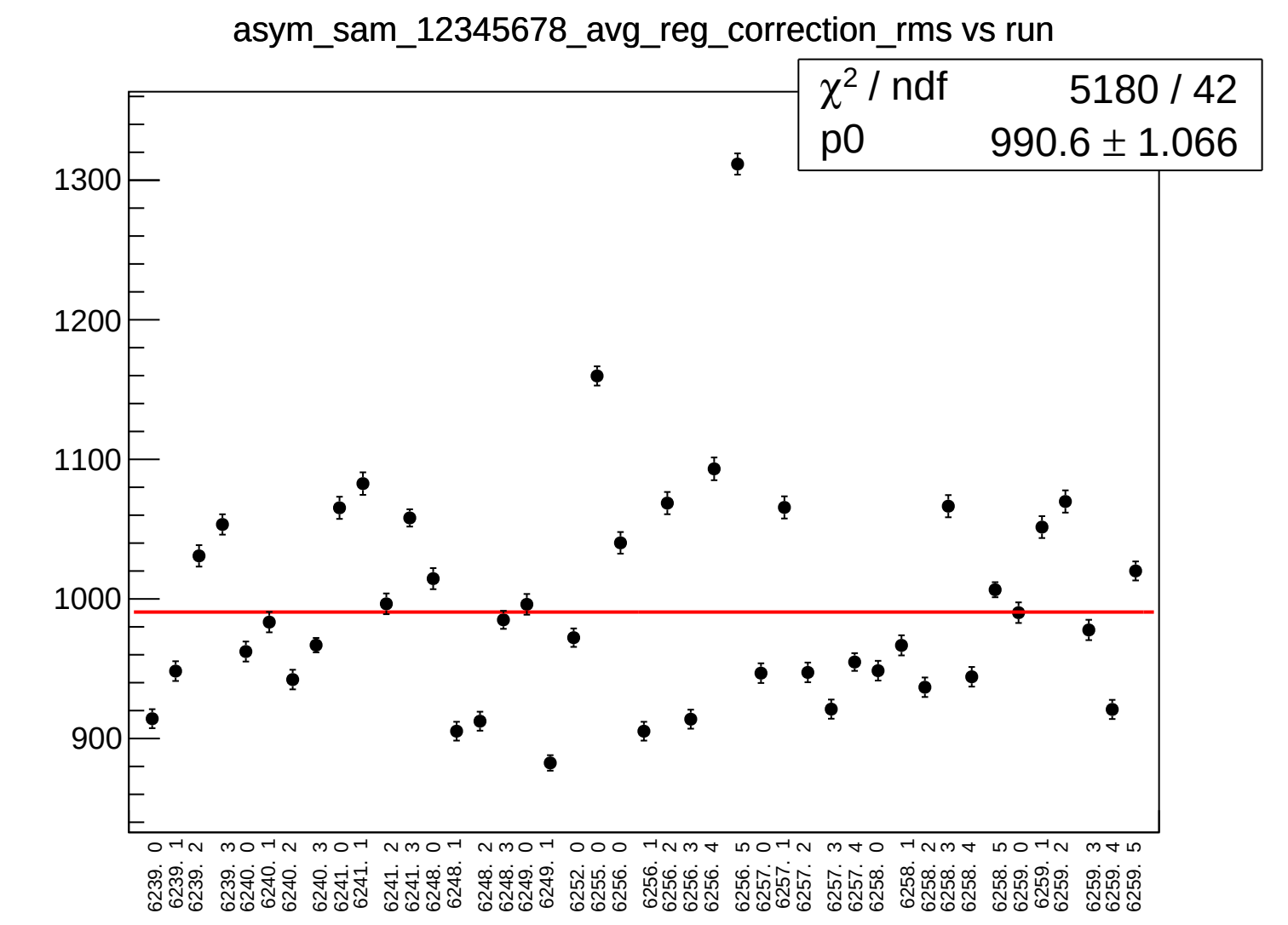

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.898e+04 / 42
p0 69.69 ± 0.07602
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

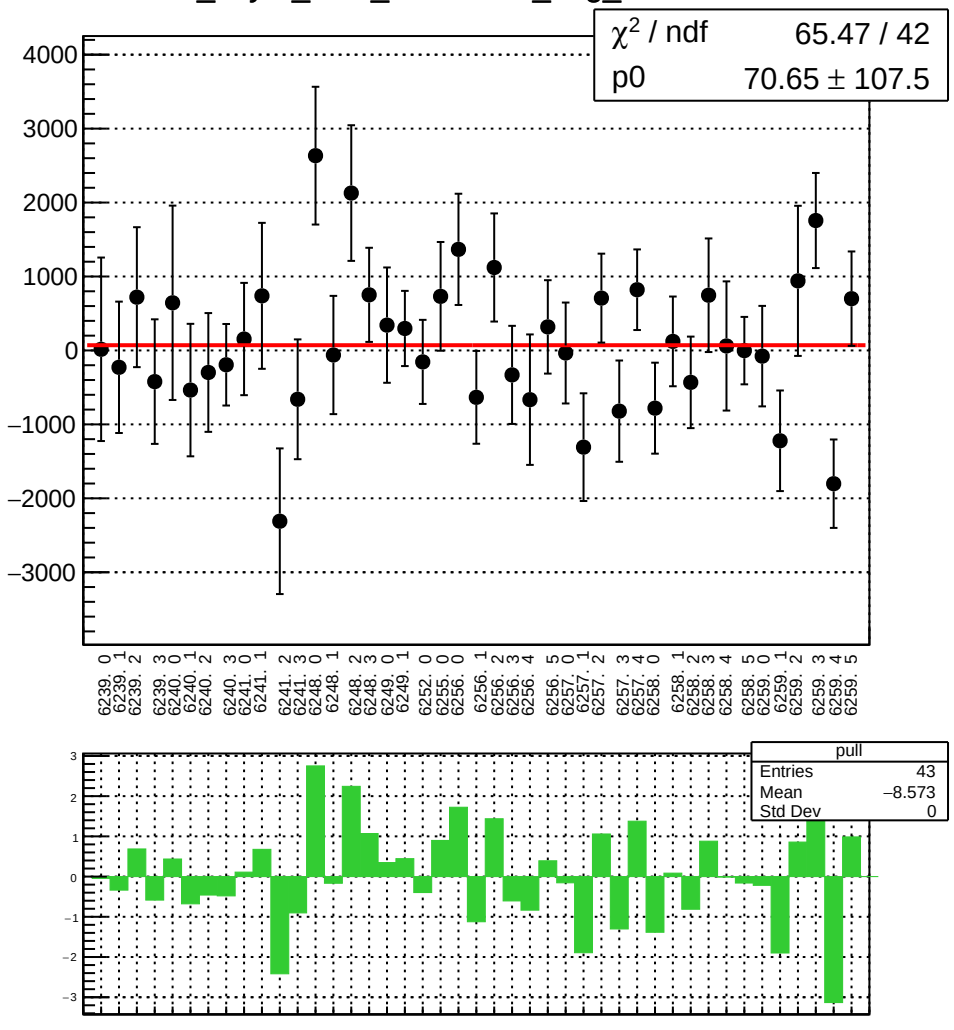
asym_sam_12345678_avg_reg_correction_mean vs run

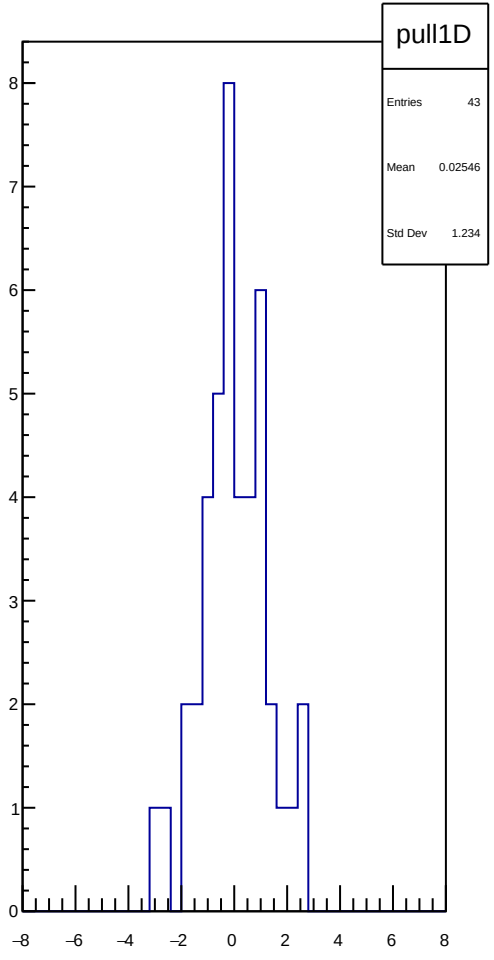


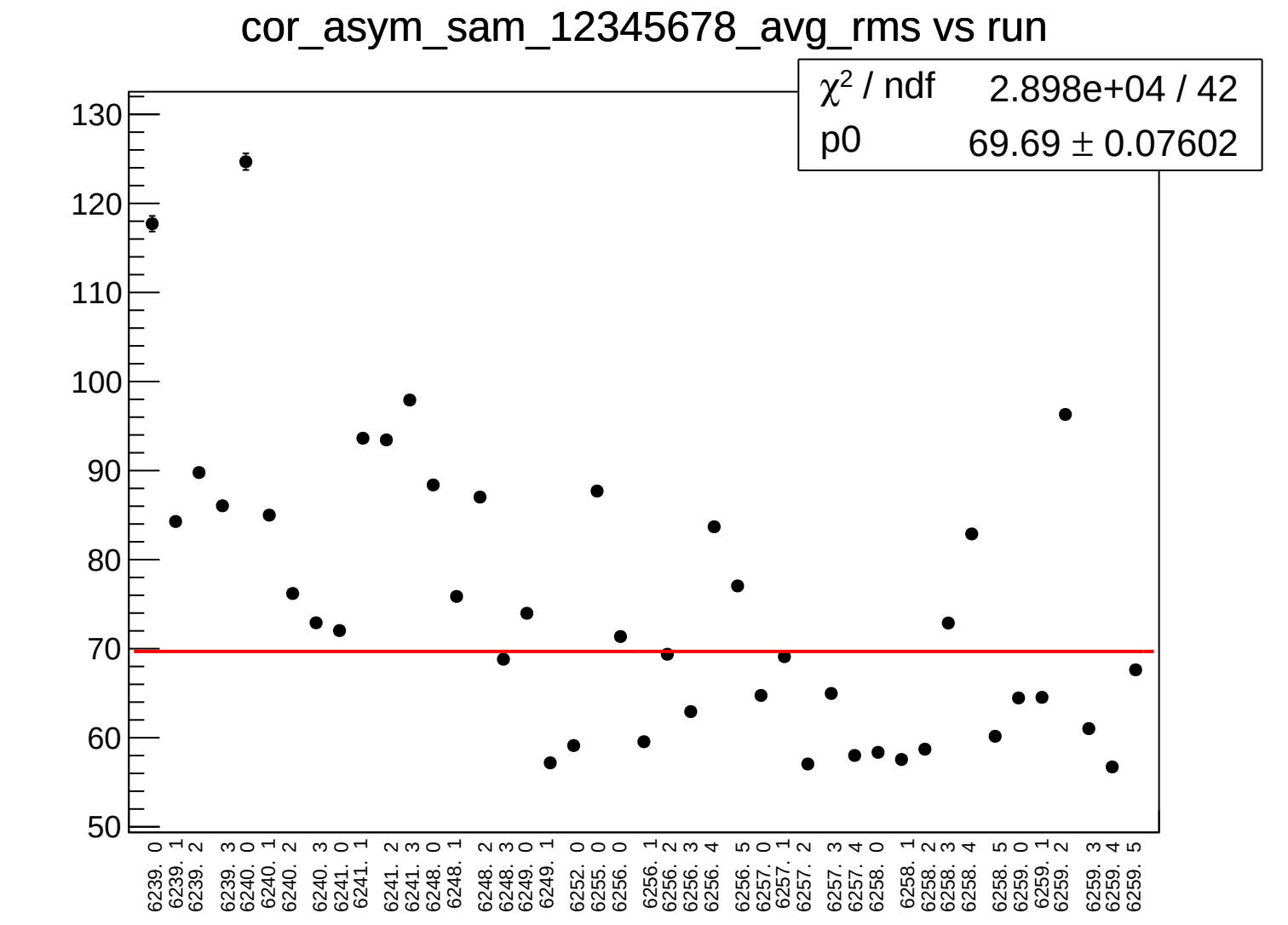



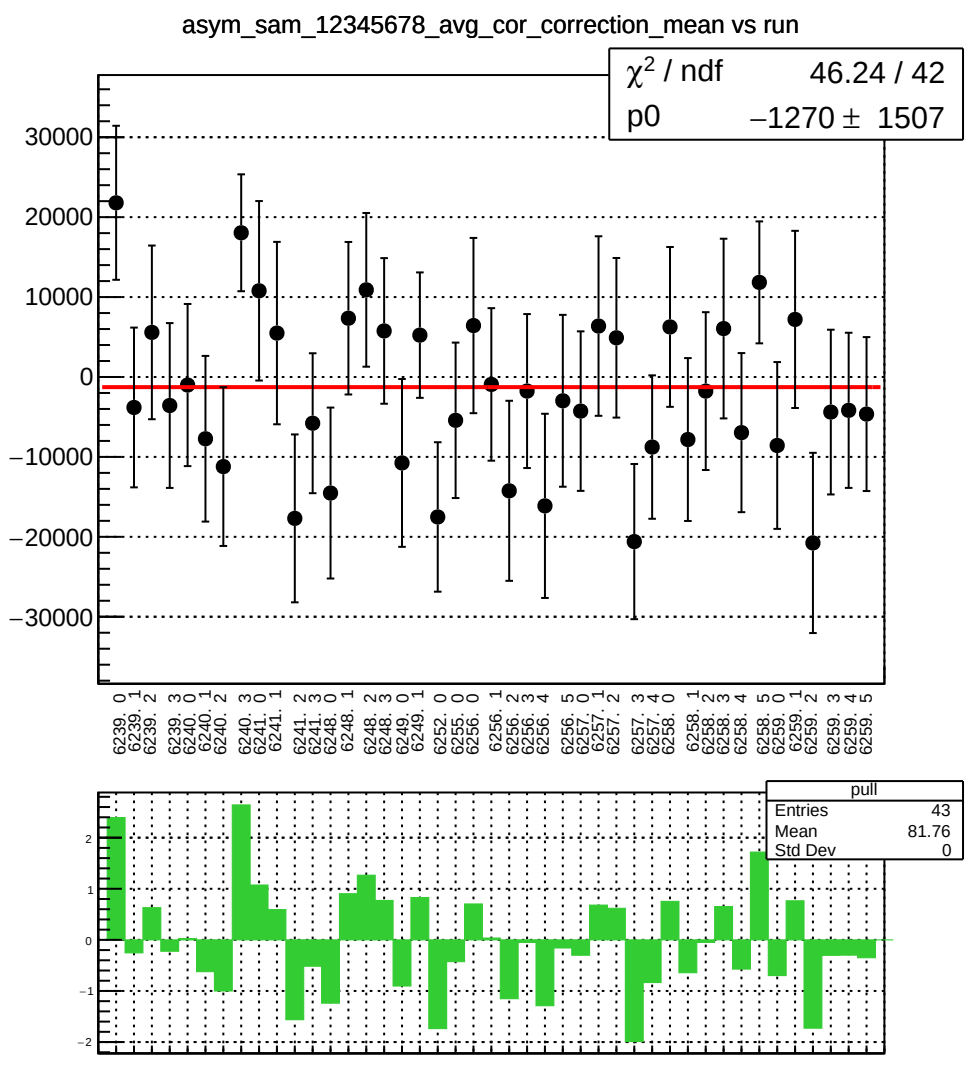



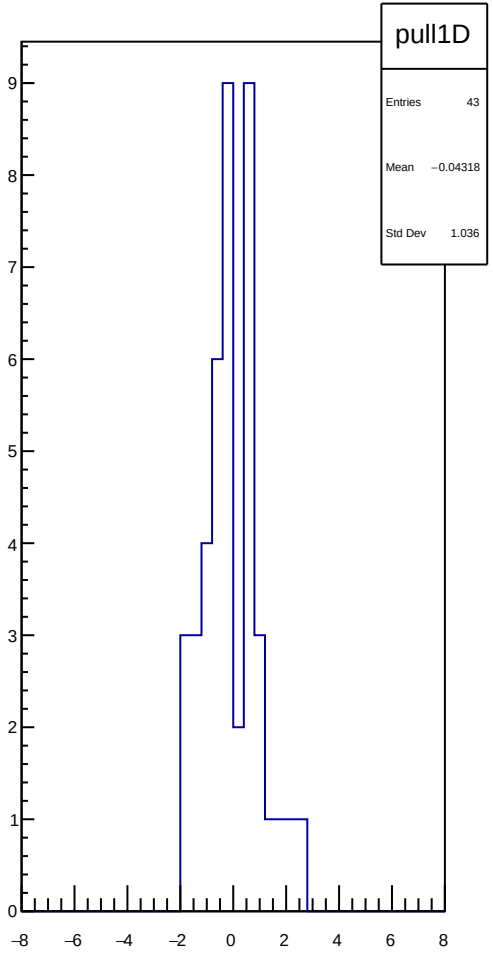

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 5180 / 42
p0 990.6 ± 1.066
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

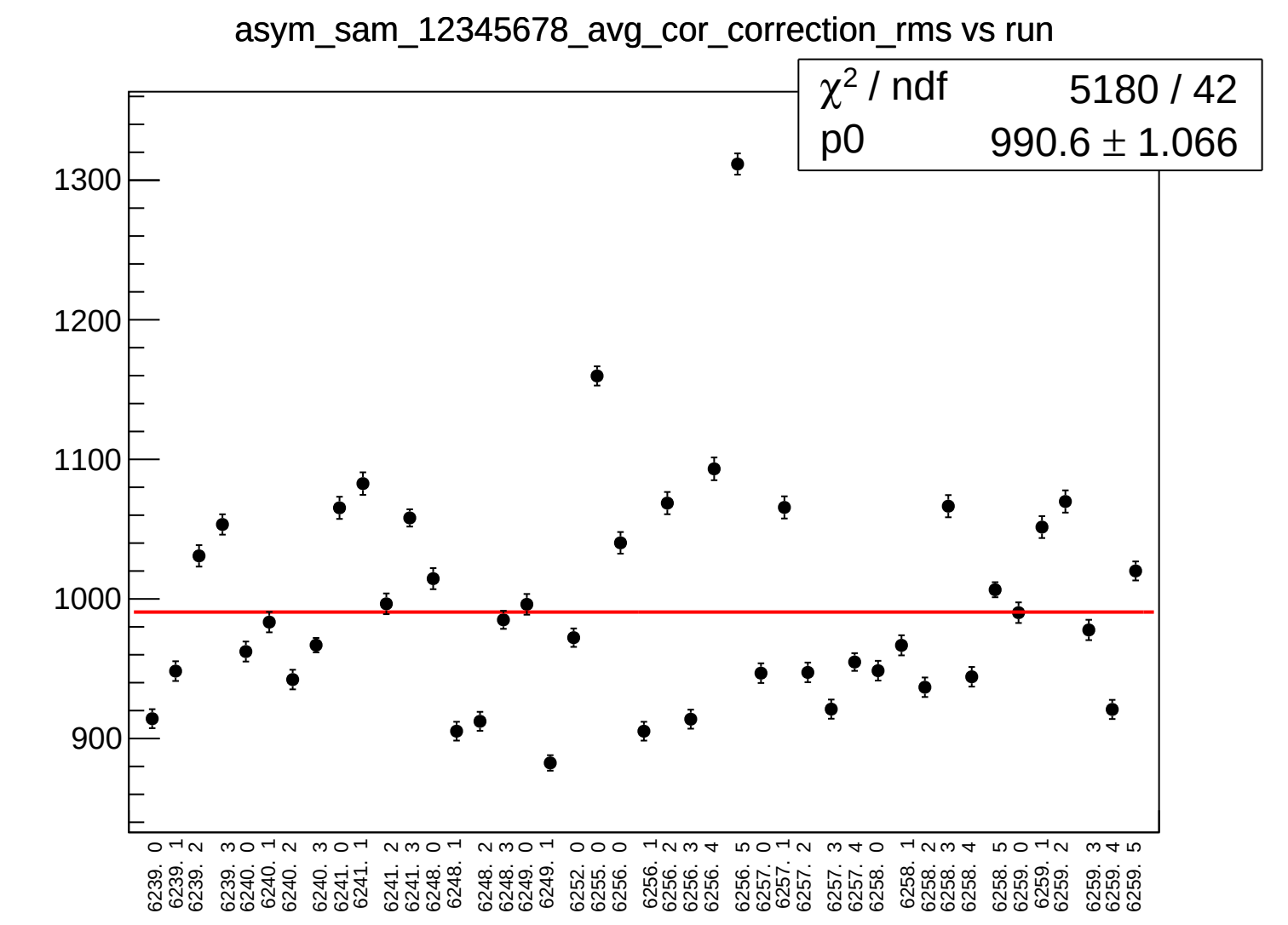

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.47 / 42
p0 70.65 ± 107.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.573
Std Dev 0
3
2
1
0
−1
−2
−3

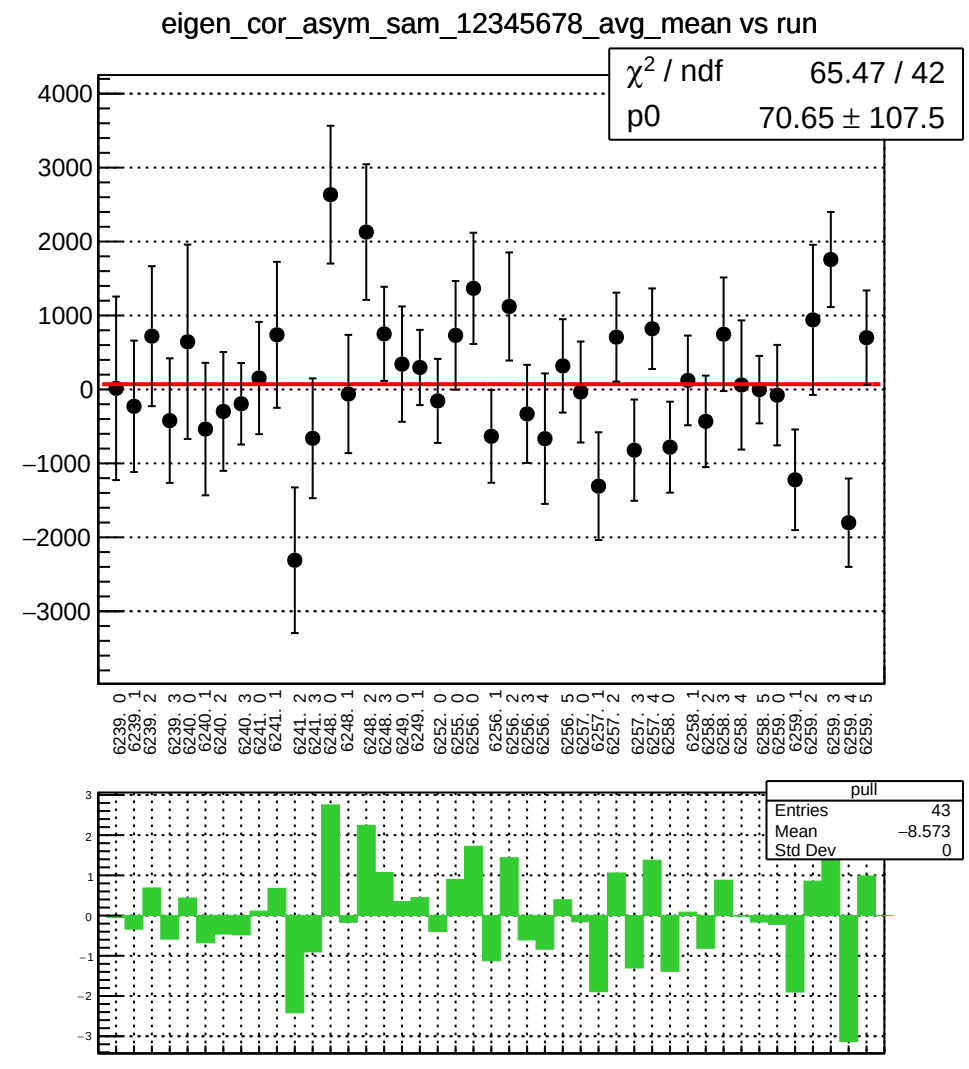

pull1D
Entries 43
Mean 0.02546
Std Dev 1.234
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

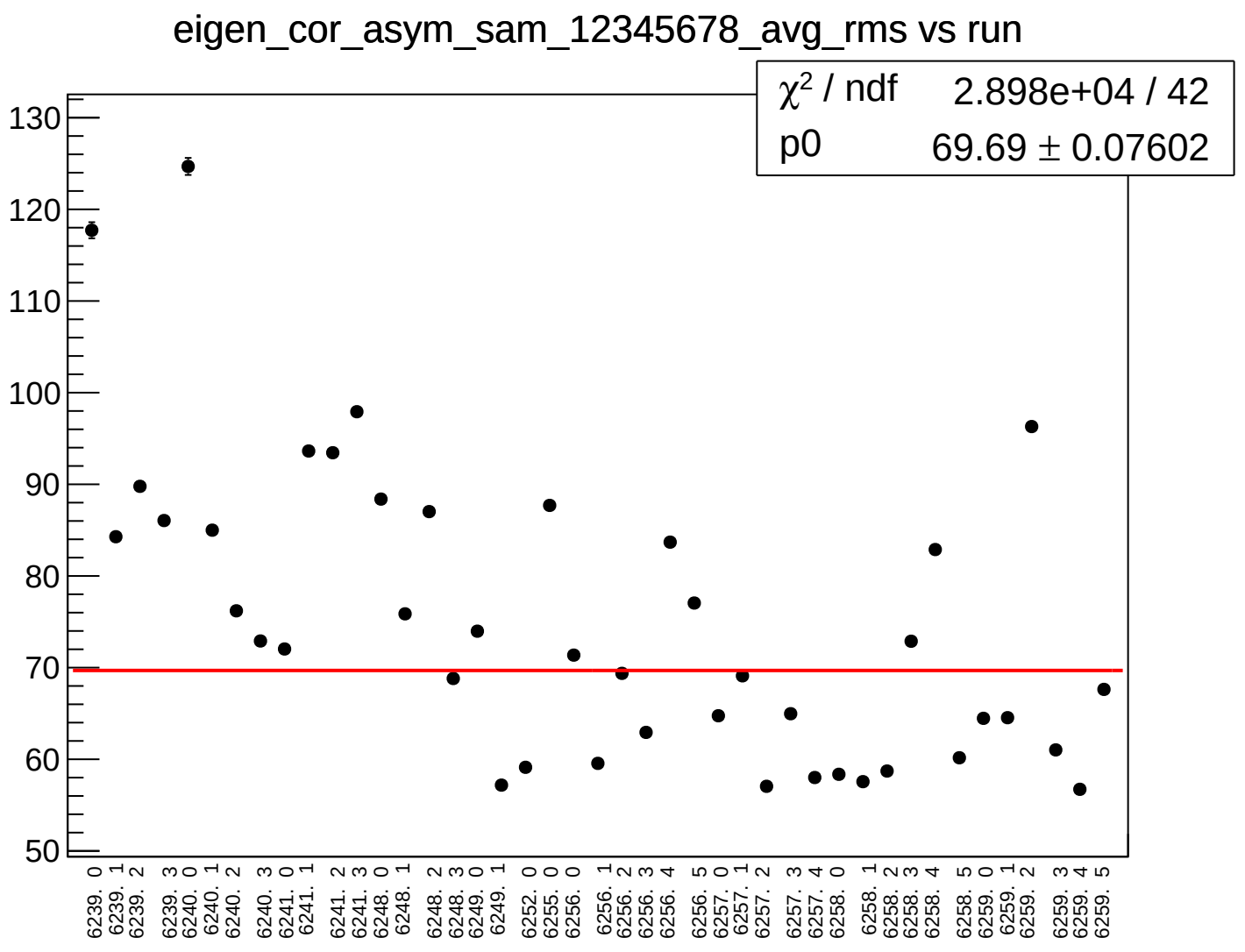

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.898e+04 / 42
p0 69.69 ± 0.07602
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

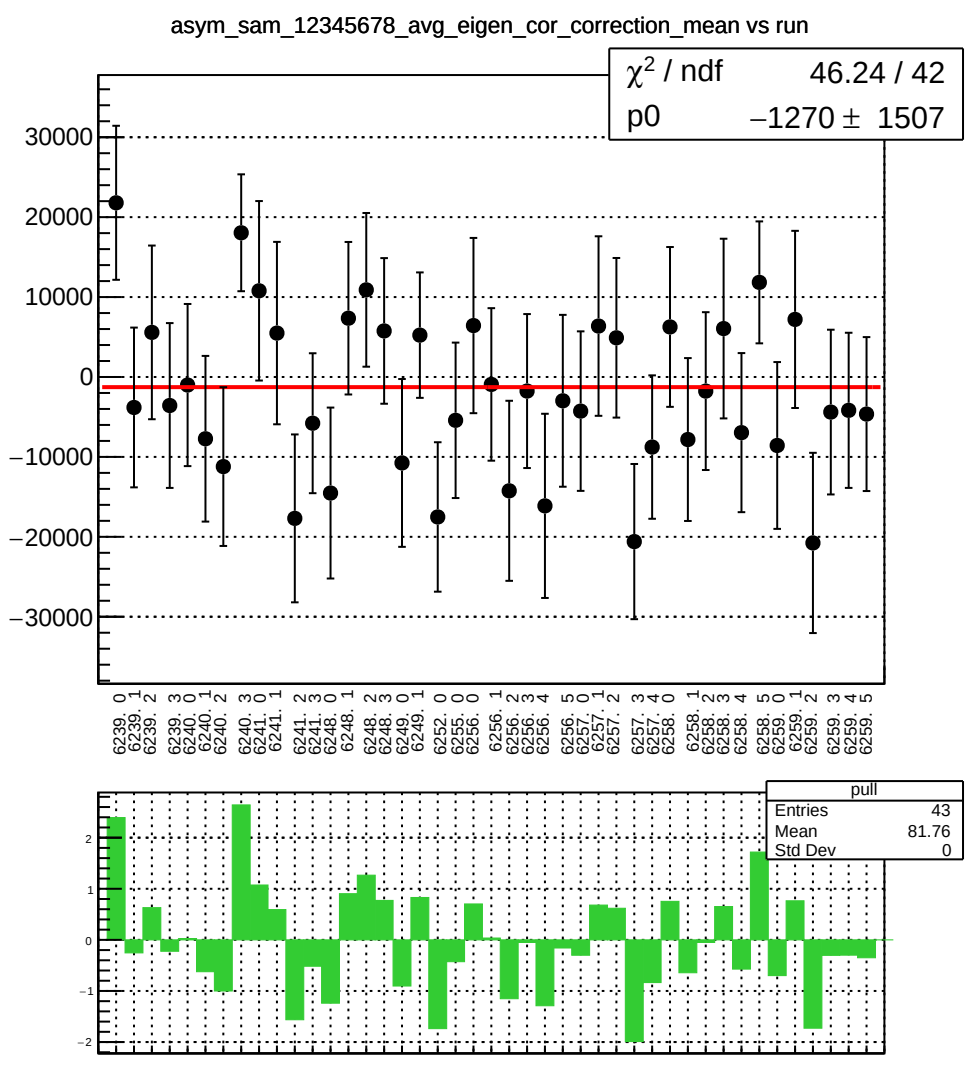

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 46.24 / 42
p0 −1270 ± 1507
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.76
Std Dev 0
2
1
0
−1
−2

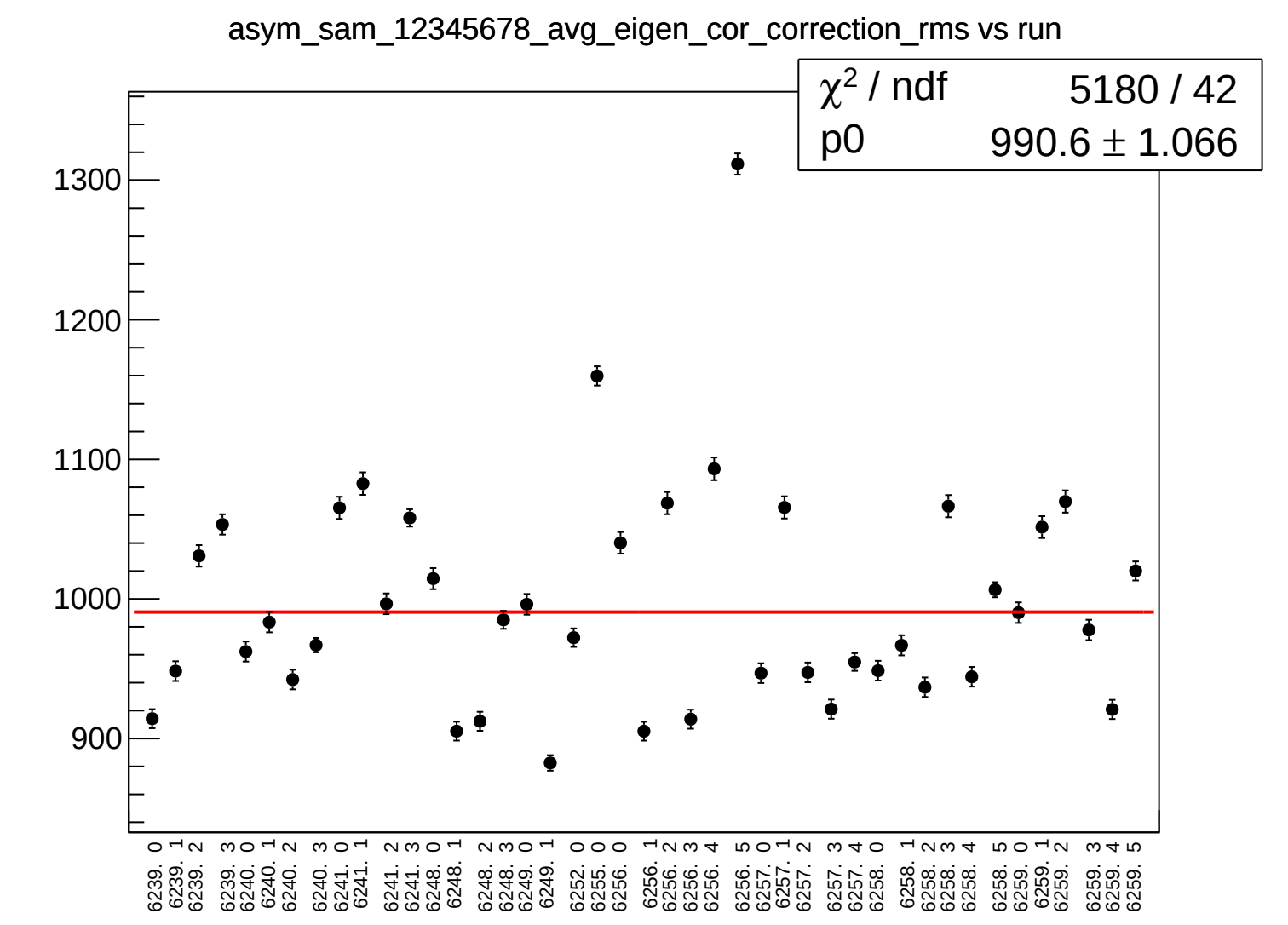

pull1D
Entries 43
Mean −0.04318
Std Dev 1.036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

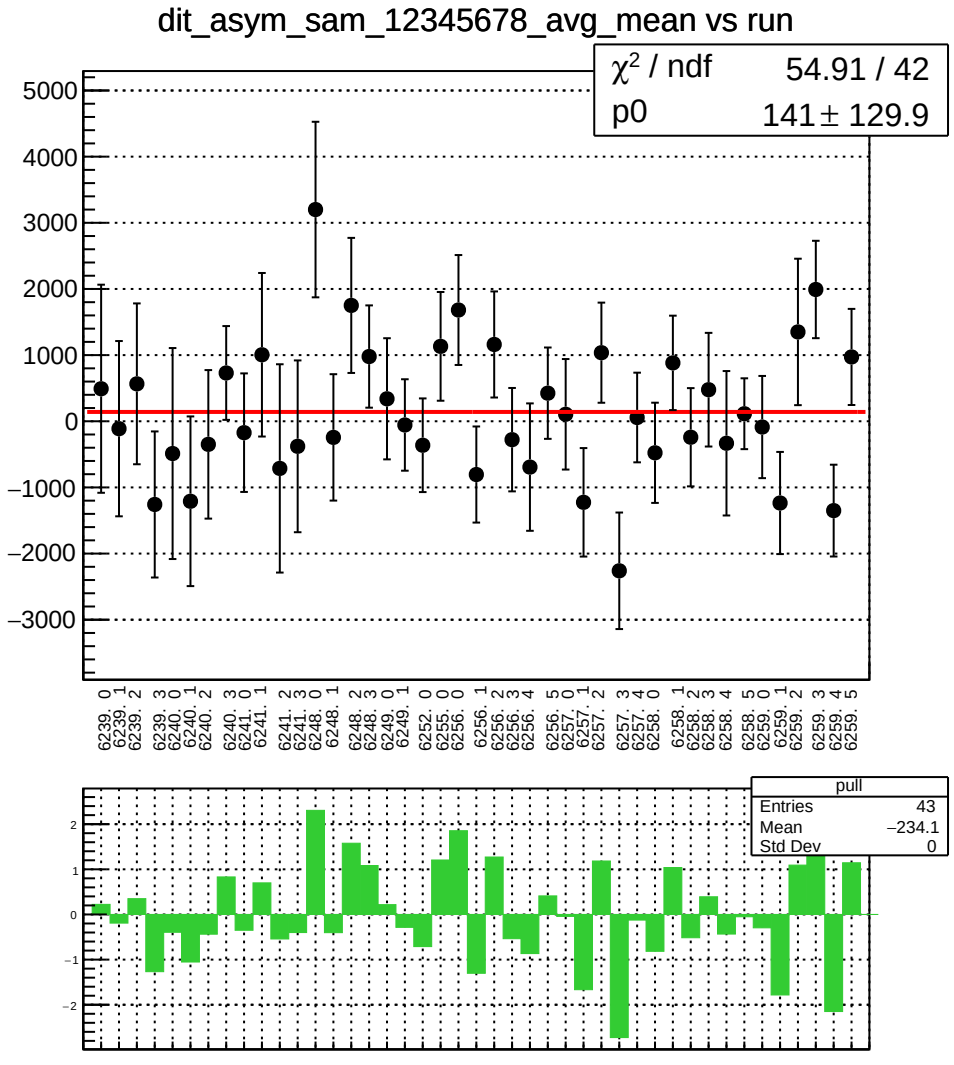

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 5180 / 42
p0 990.6 ± 1.066
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

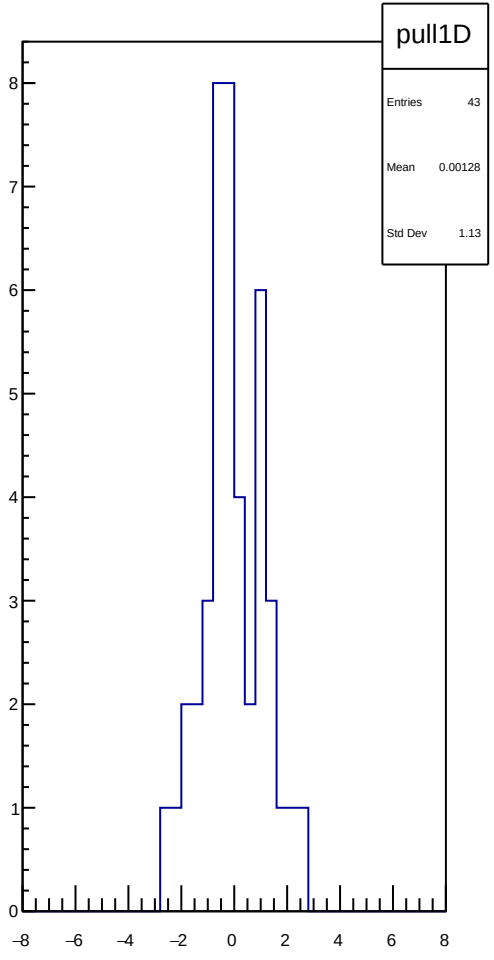

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.47 / 42
p0 70.65 ± 107.5
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −8.573
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02546
Std Dev 1.234
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

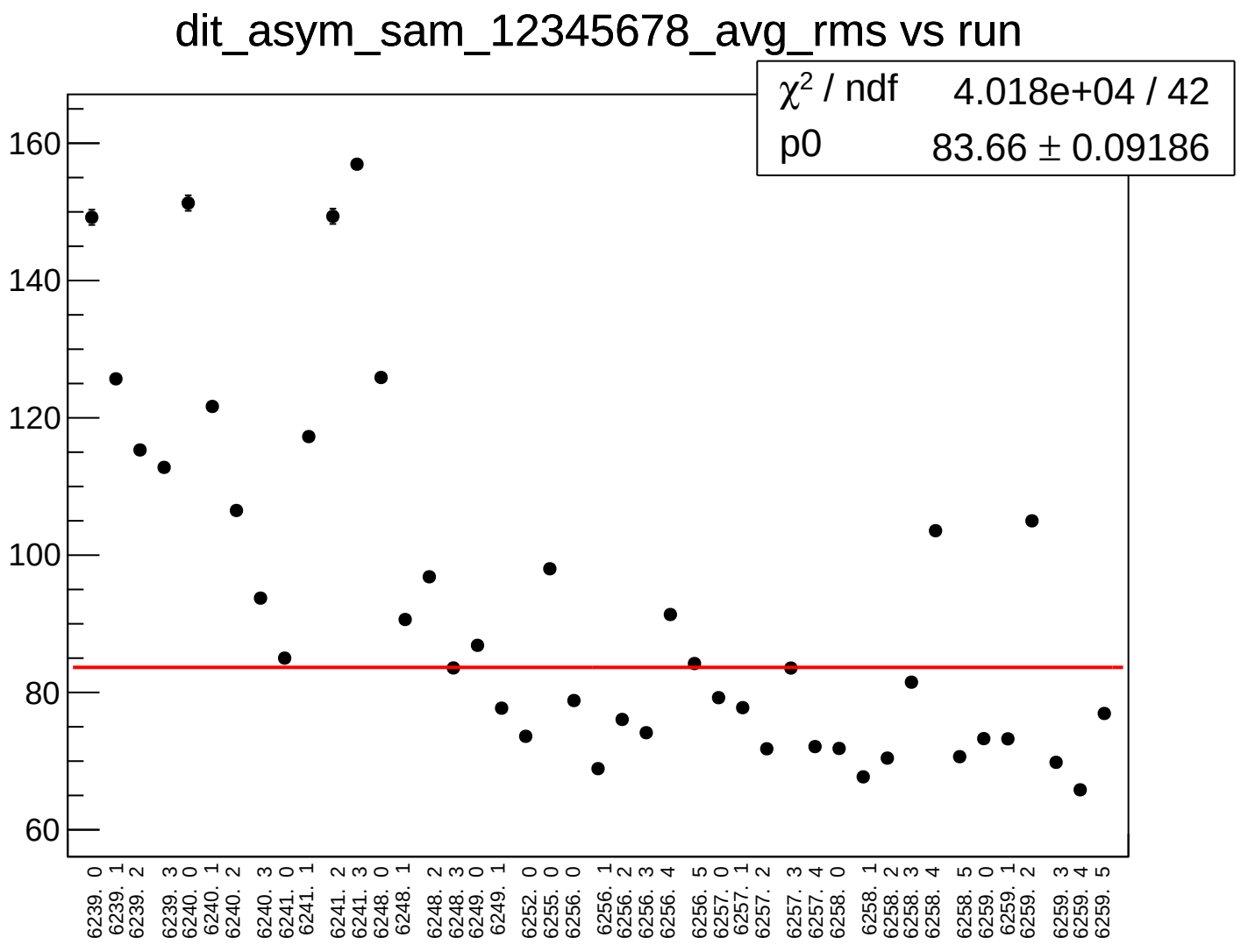

eigen_cor_asym_sam_12345678_avg_rms vs run
$\chi^2$ / ndf 2.898e+04 / 42
p0 69.69 ± 0.07602
130
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

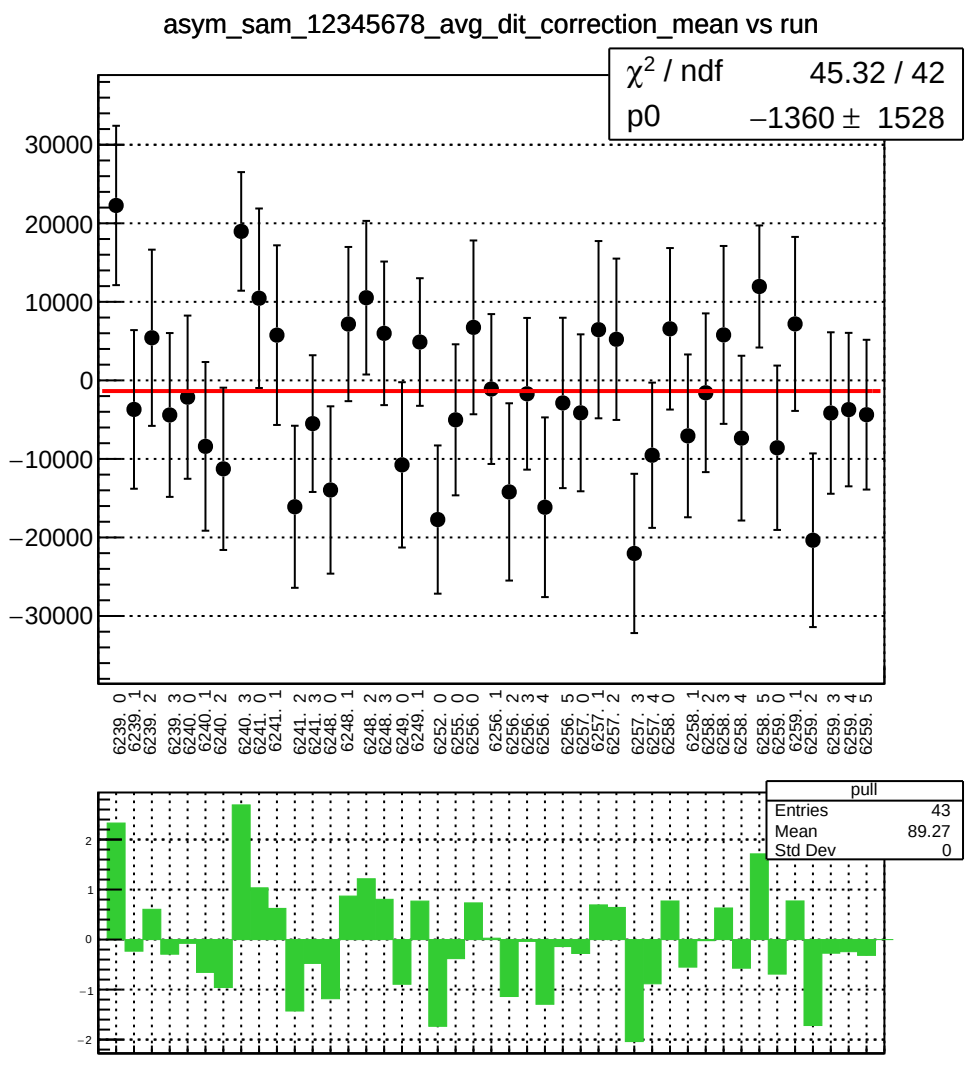

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.24 / 42
p0 −1270 ± 1507
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.76
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04318
Std Dev 1.036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

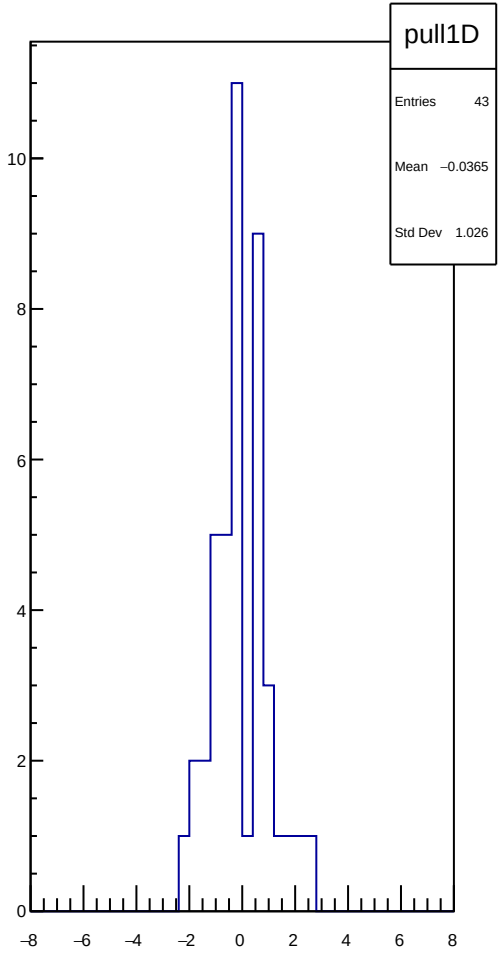

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 5180 / 42
p0 990.6 ± 1.066
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

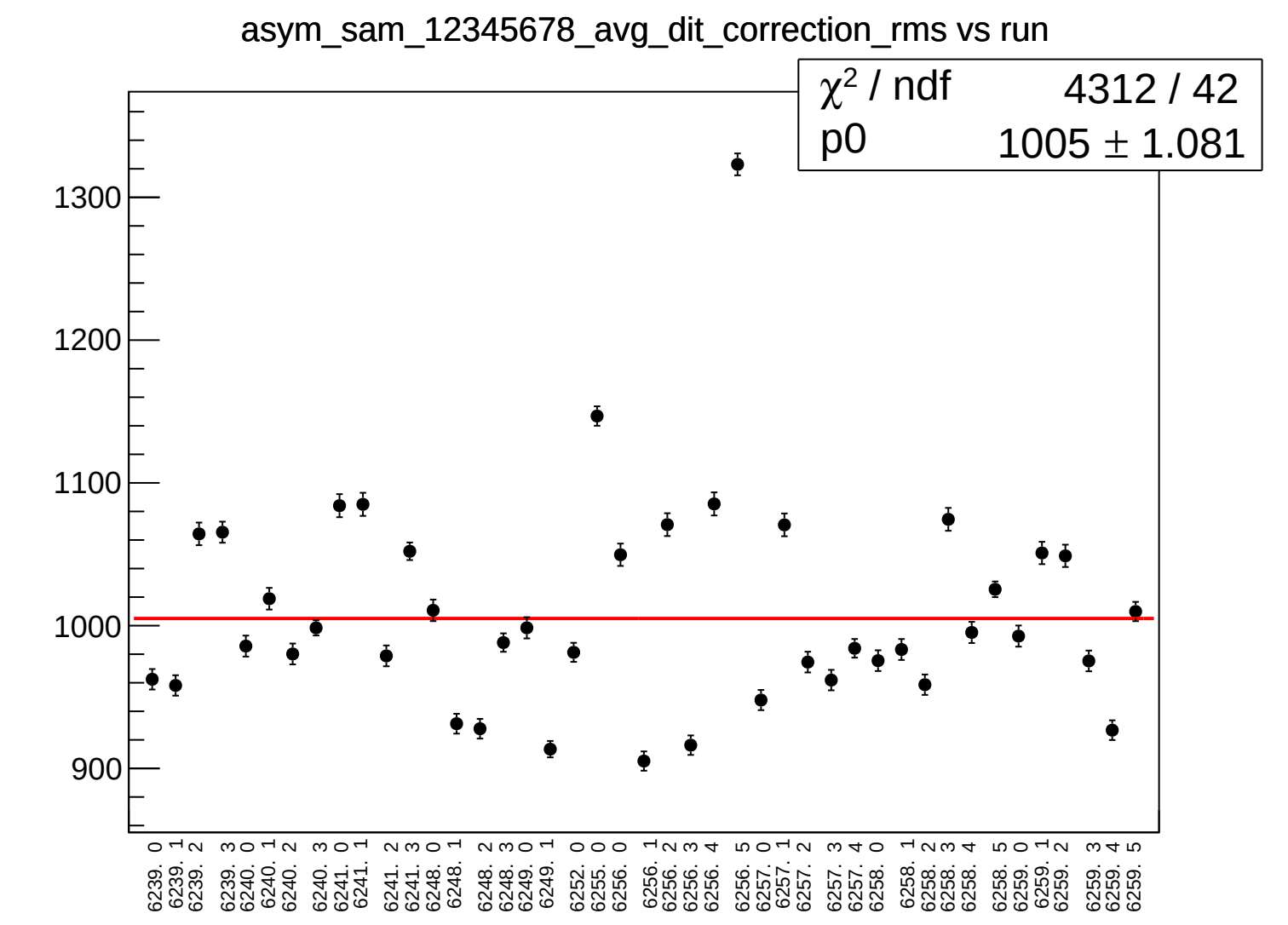

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 54.91 / 42
p0 141 ± 129.9
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −234.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean 0.00128
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.018e+04 / 42
p0 83.66 ± 0.09186
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5


asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 45.32 / 42
p0 −1360 ± 1528
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.27
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 43
Mean −0.0365
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 4312 / 42
p0 1005 ± 1.081
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
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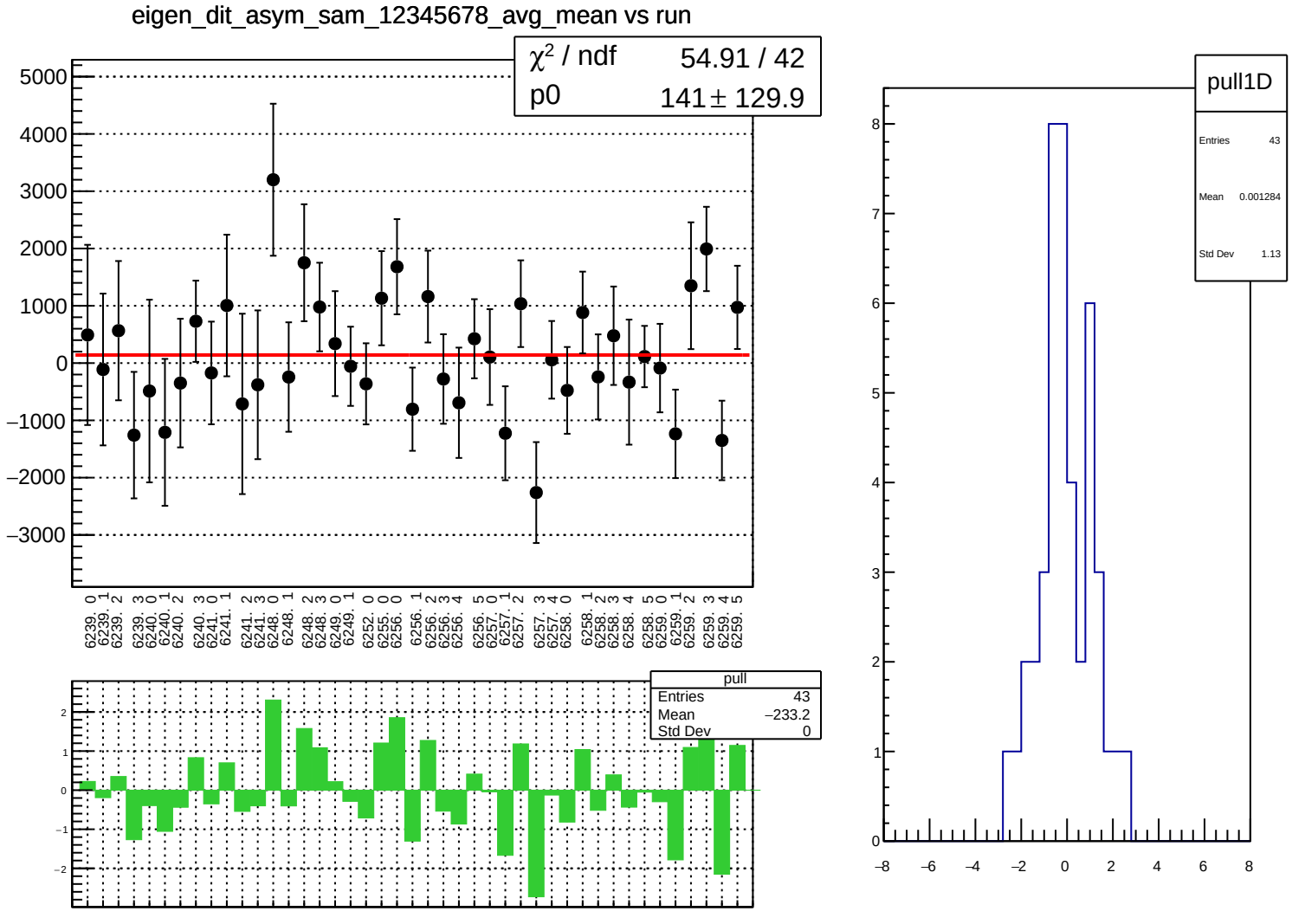
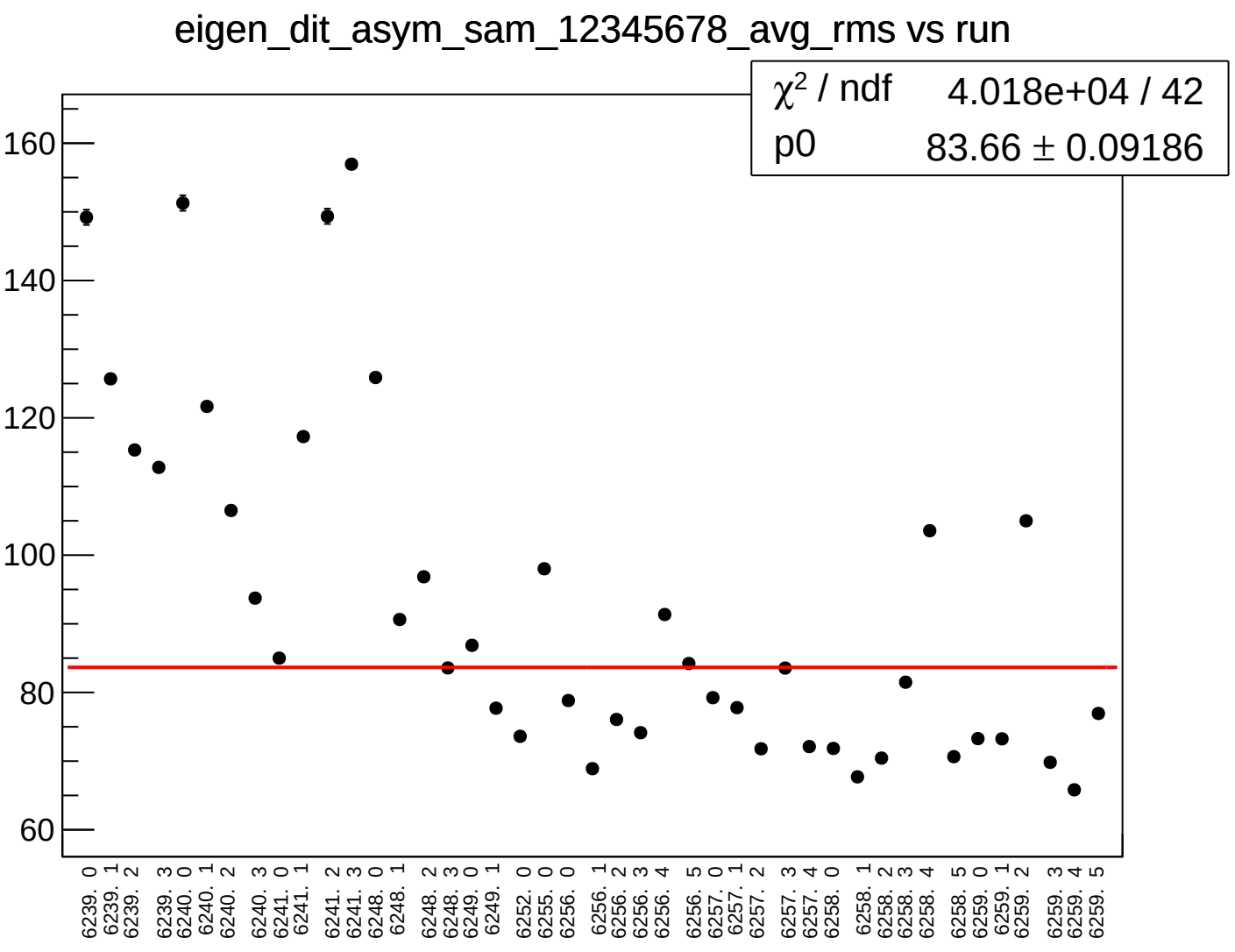
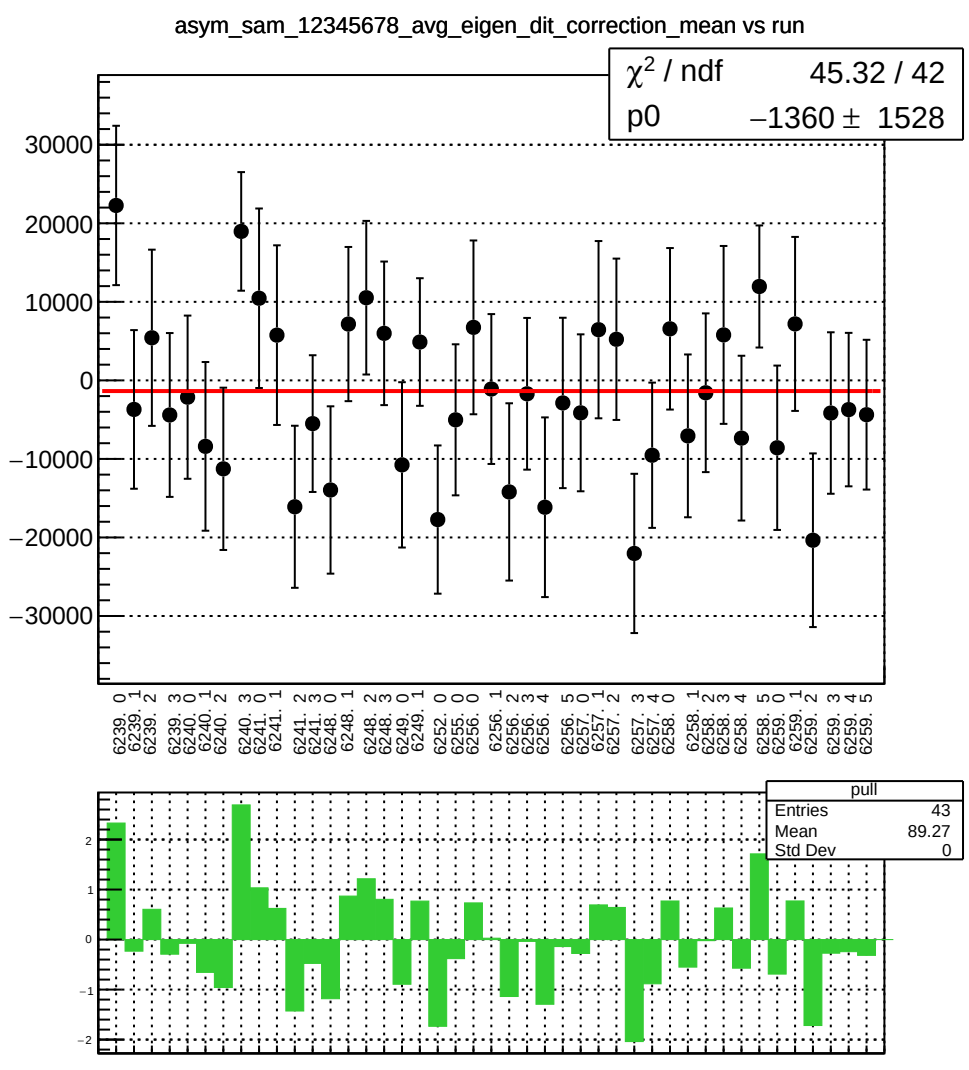
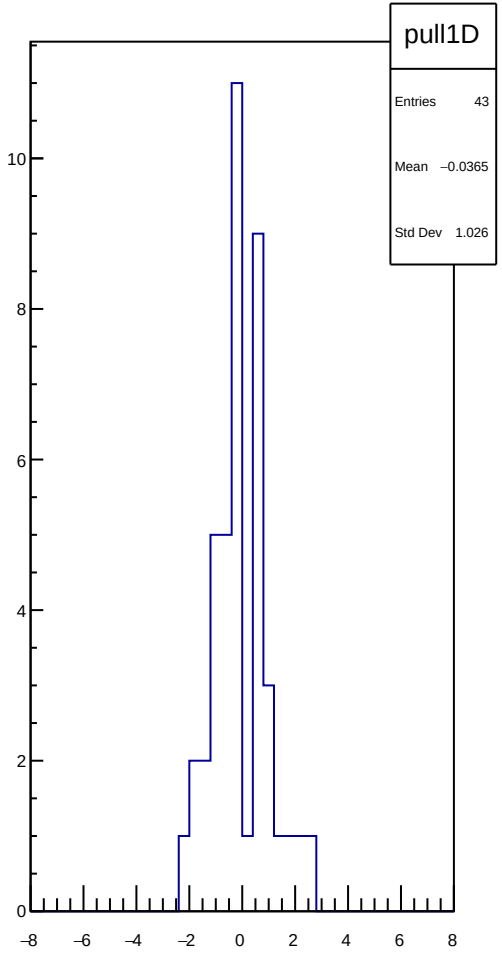
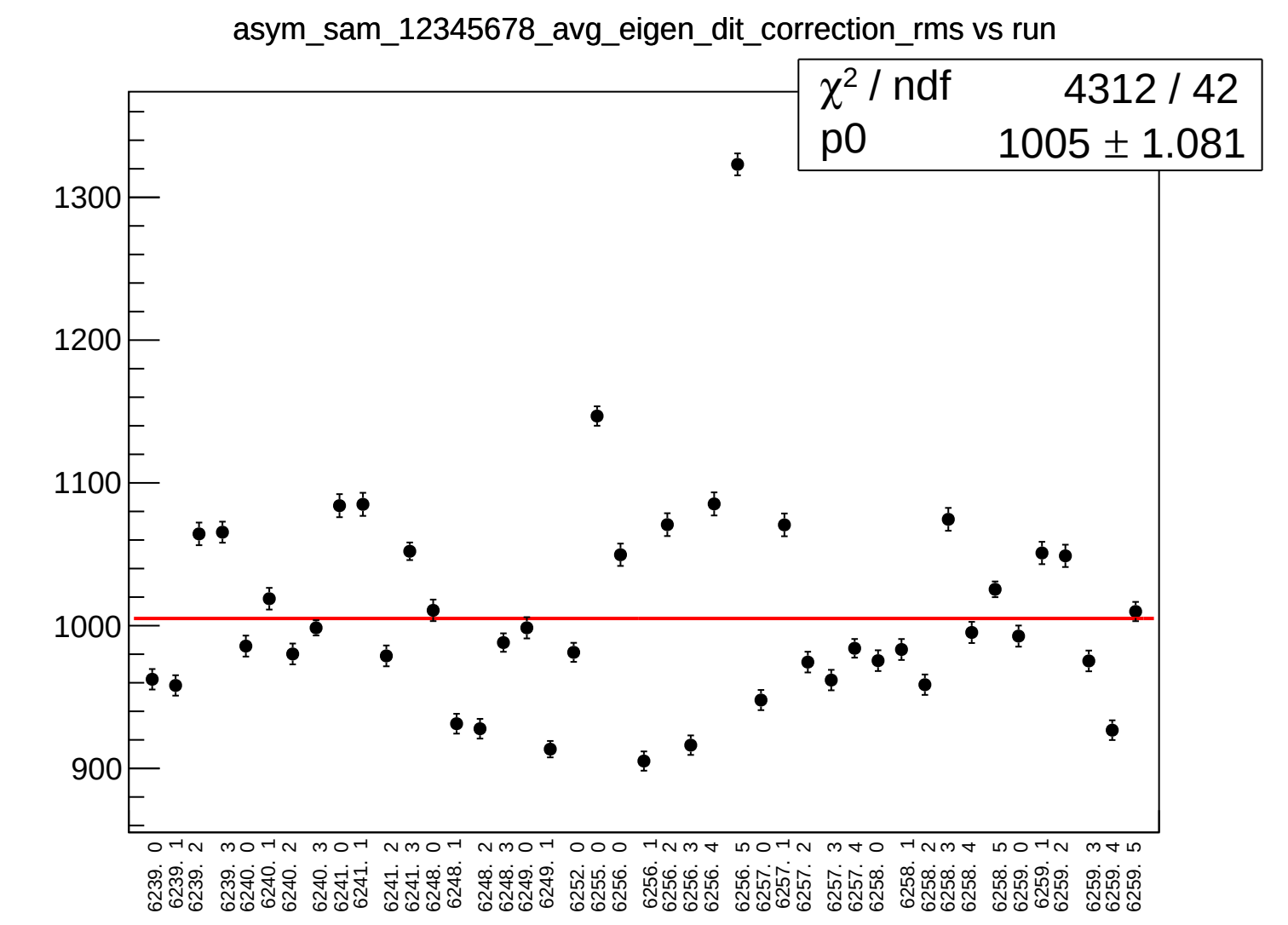
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

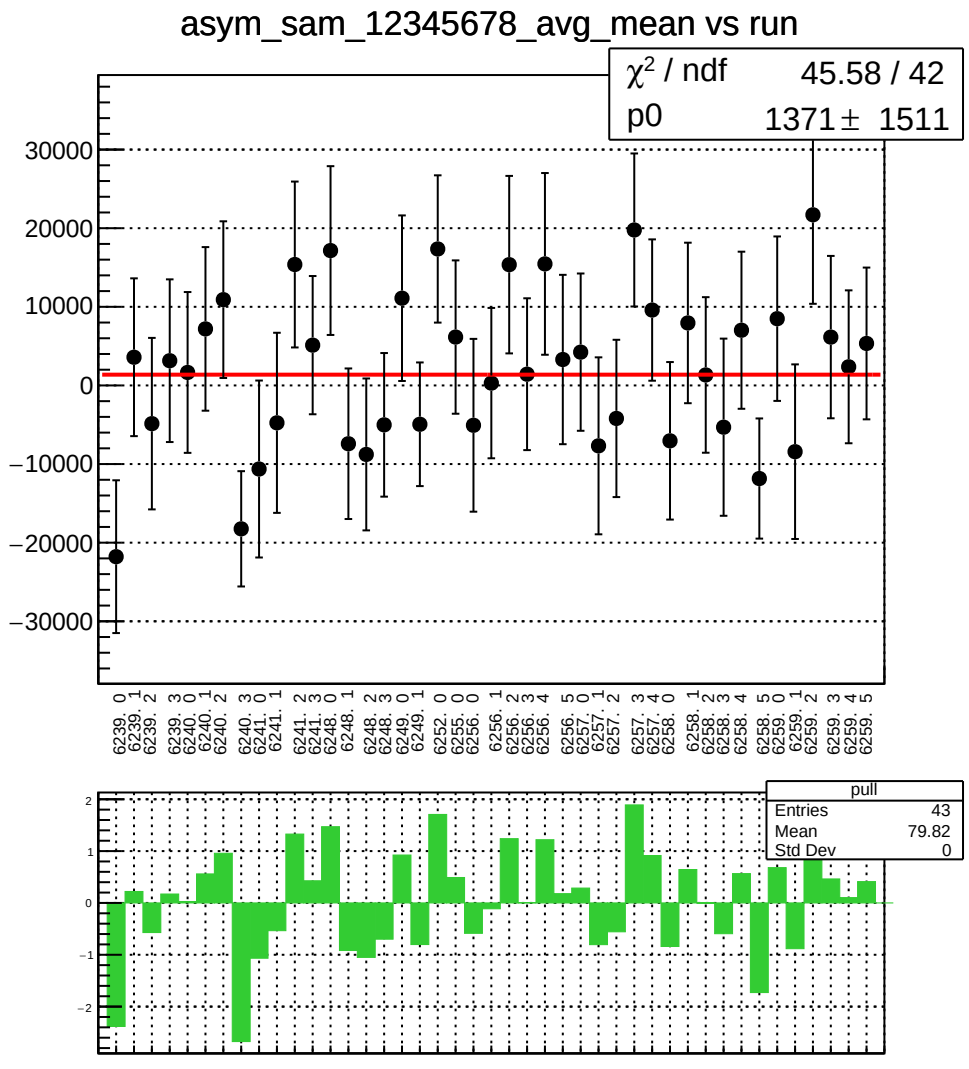

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 54.91 / 42
p0 141 ± 129.9
pull
Entries 43
Mean −233.2
Std Dev 0
pull1D
Entries 43
Mean 0.001284
Std Dev 1.13

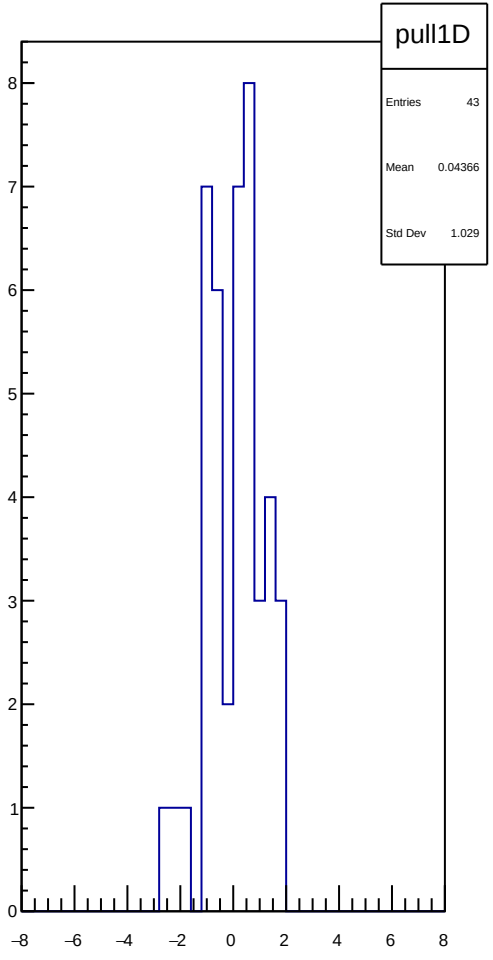

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.018e+04 / 42
p0 83.66 ± 0.09186
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

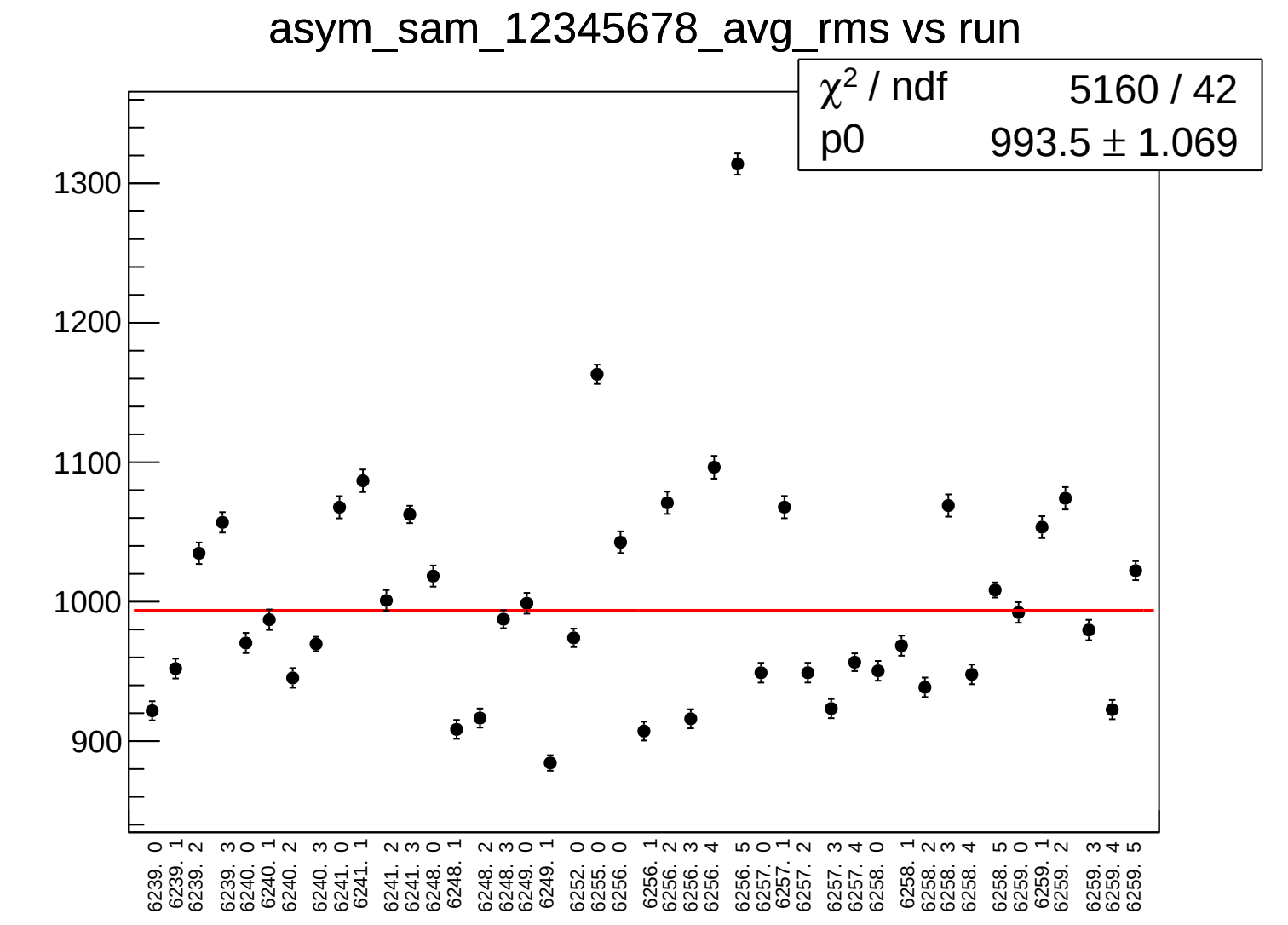

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.32 / 42
p0 −1360 ± 1528
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 89.27
Std Dev 0
2
1
0
−1
−2

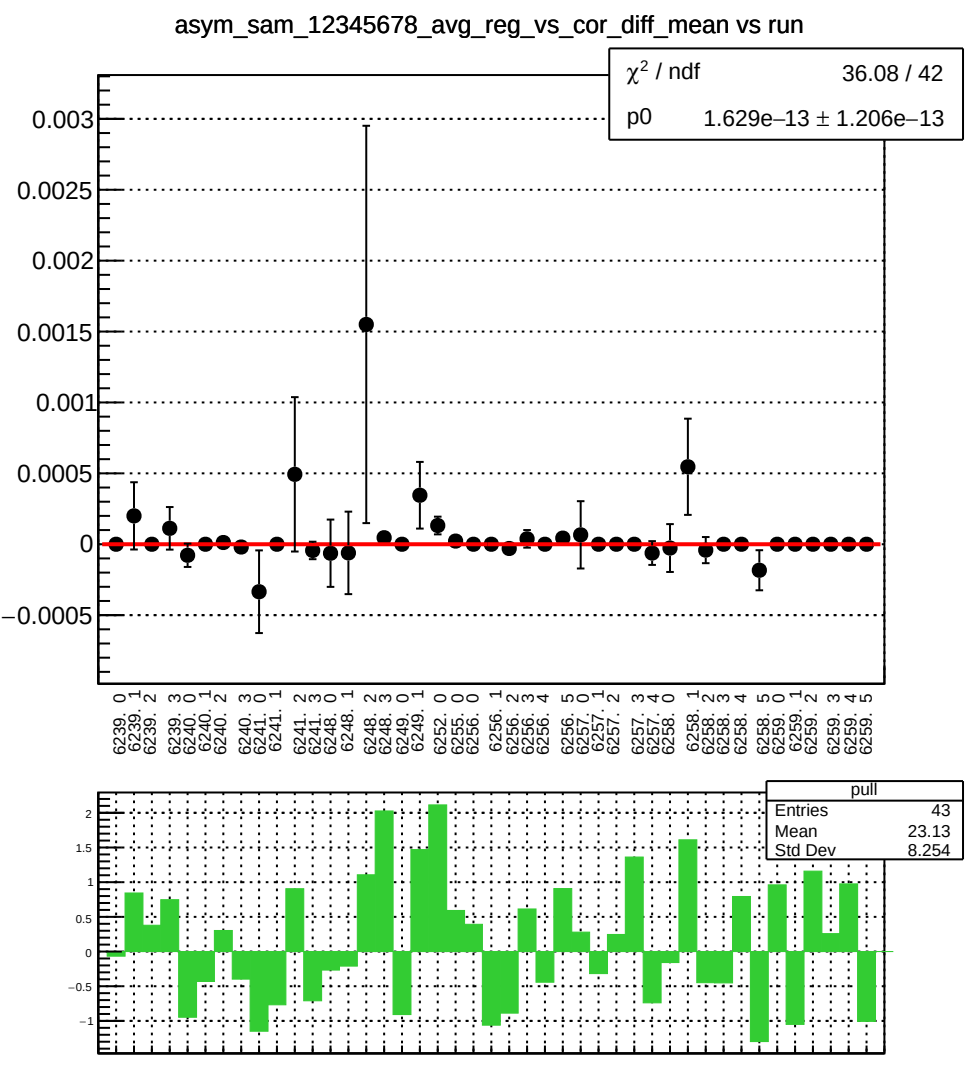

pull1D
Entries 43
Mean −0.0365
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

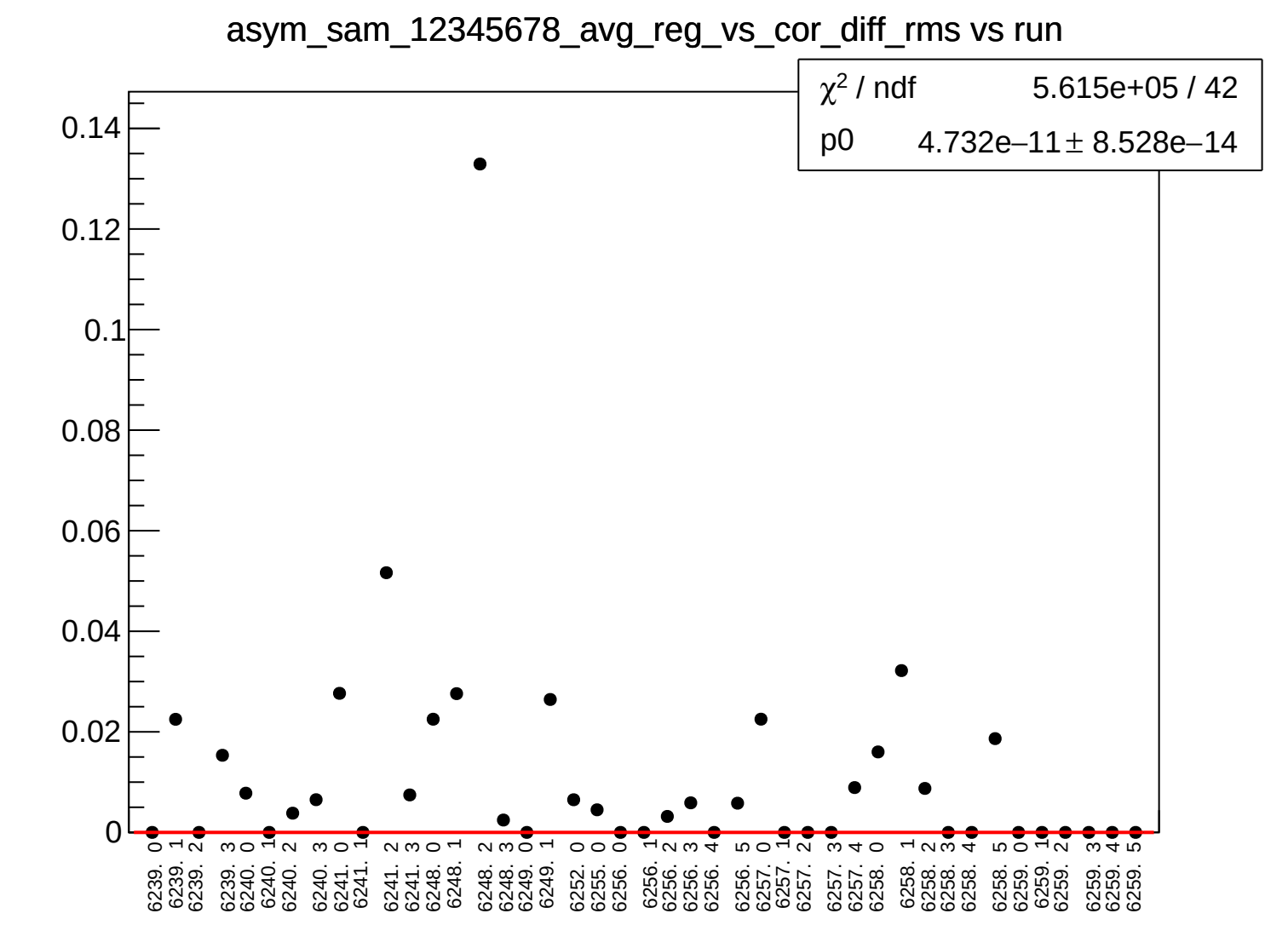

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 4312 / 42
p0 1005 ± 1.081
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

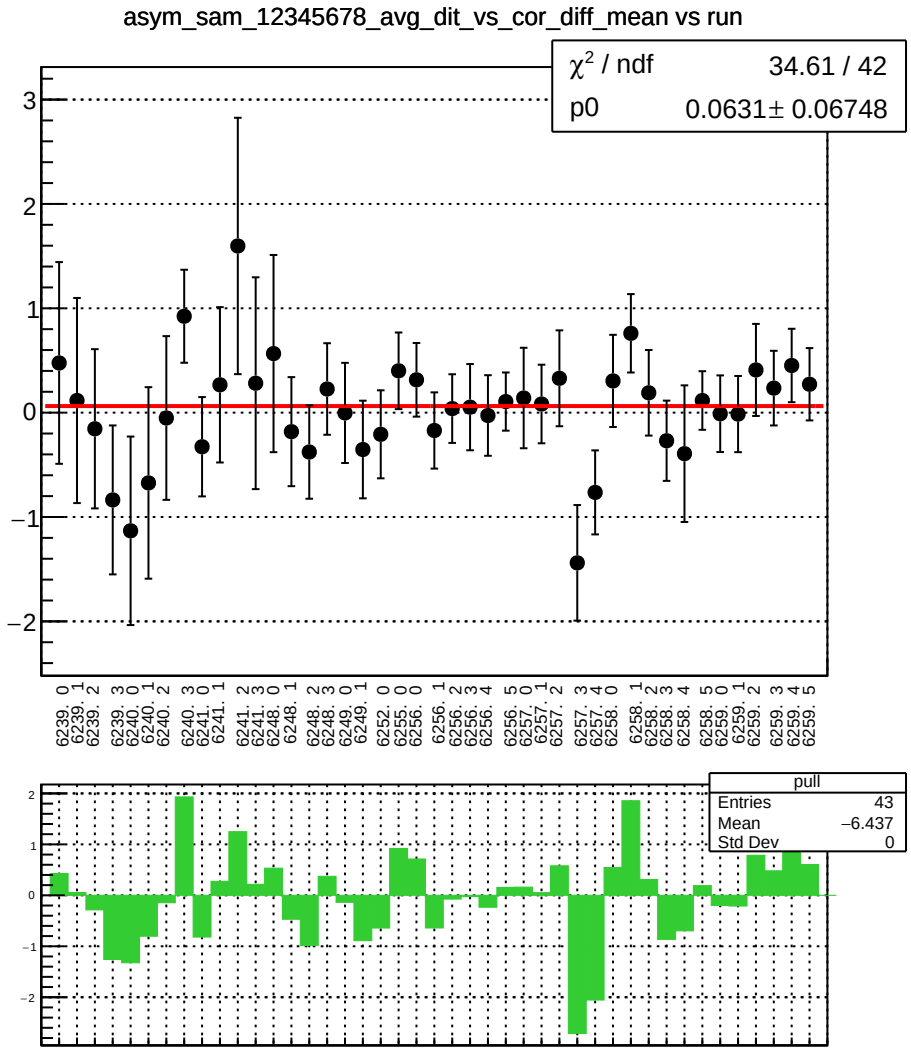

asym_sam_12345678_avg_mean vs run
χ² / ndf 45.58 / 42
p0 1371 ± 1511
30000
20000
10000
0
−10000
−20000
−30000
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 79.82
Std Dev 0
2
1
0
−1
−2

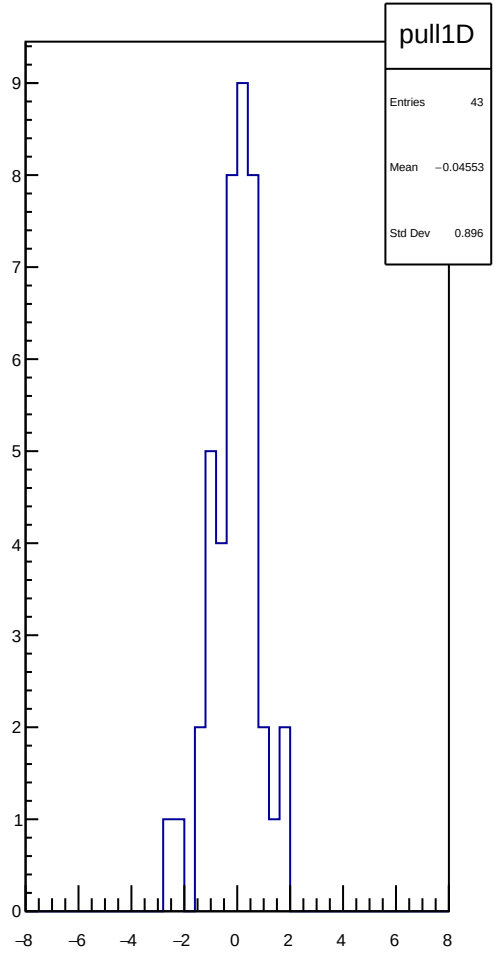

pull1D
Entries 43
Mean 0.04366
Std Dev 1.029
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

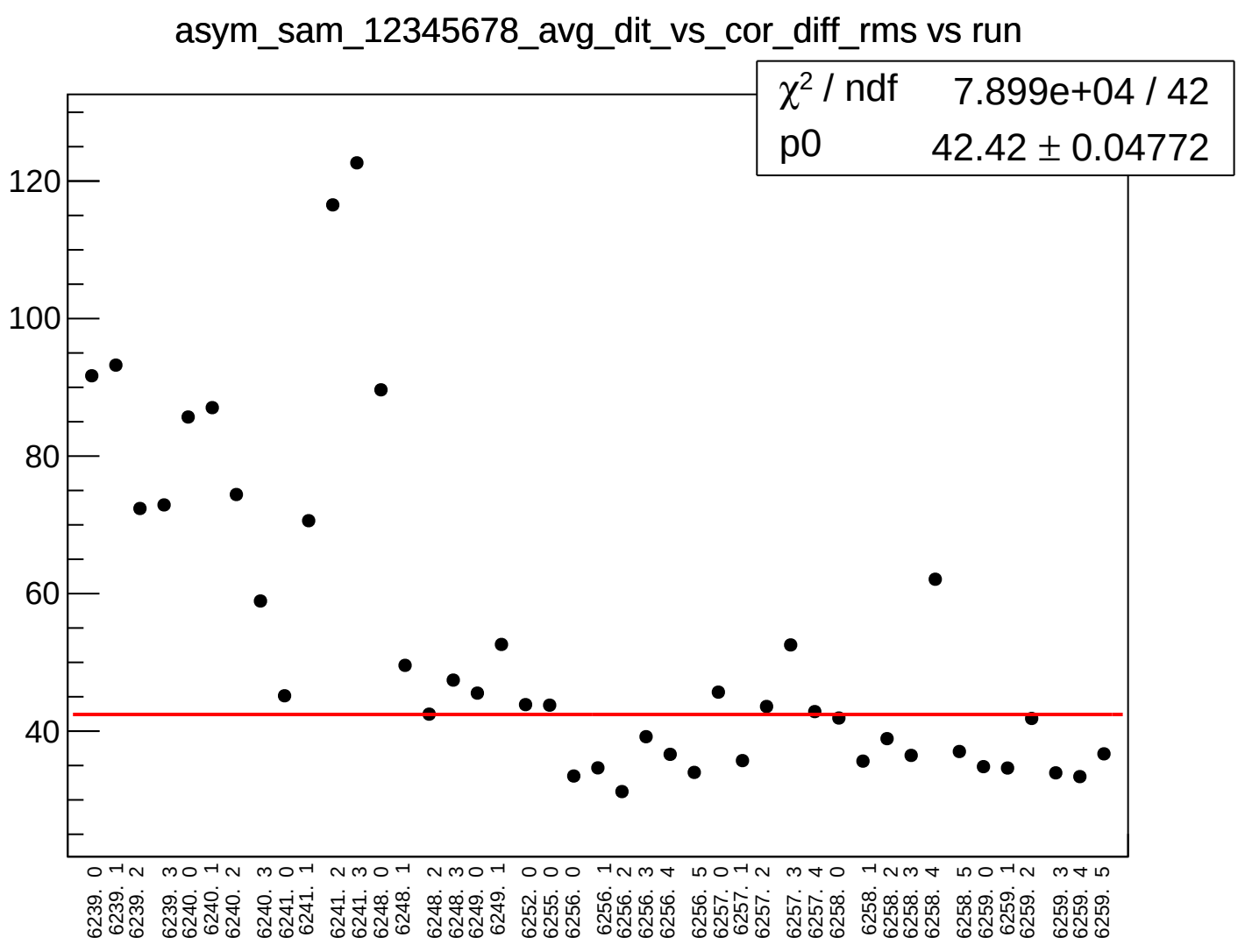

asym_sam_12345678_avg_rms vs run
χ² / ndf 5160 / 42
p0 993.5 ± 1.069
1300
1200
1100
1000
900
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

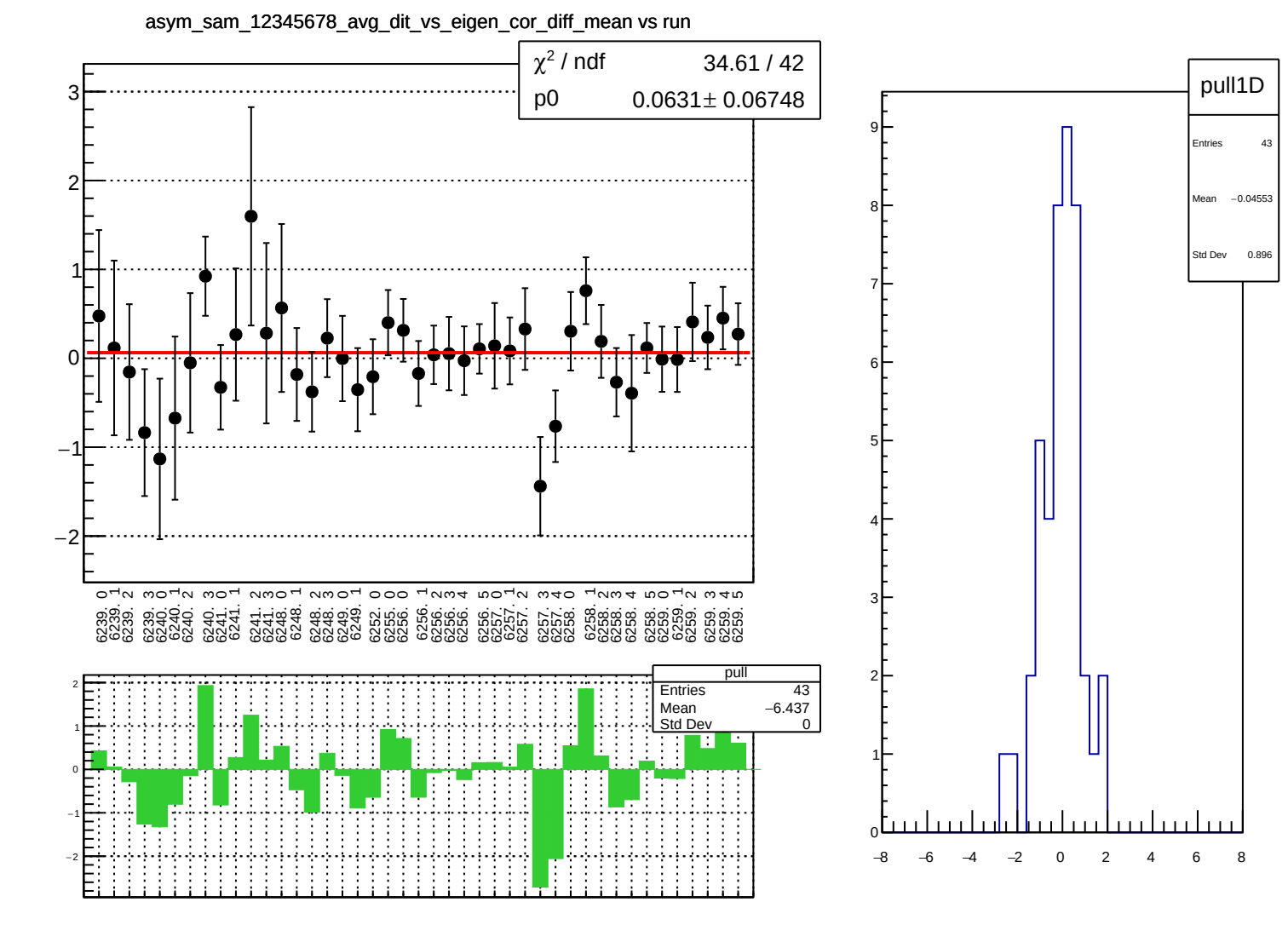

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.08 / 42
p0 1.629e−13 ± 1.206e−13
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 23.13
Std Dev 8.254
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.1473
Std Dev 0.9041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

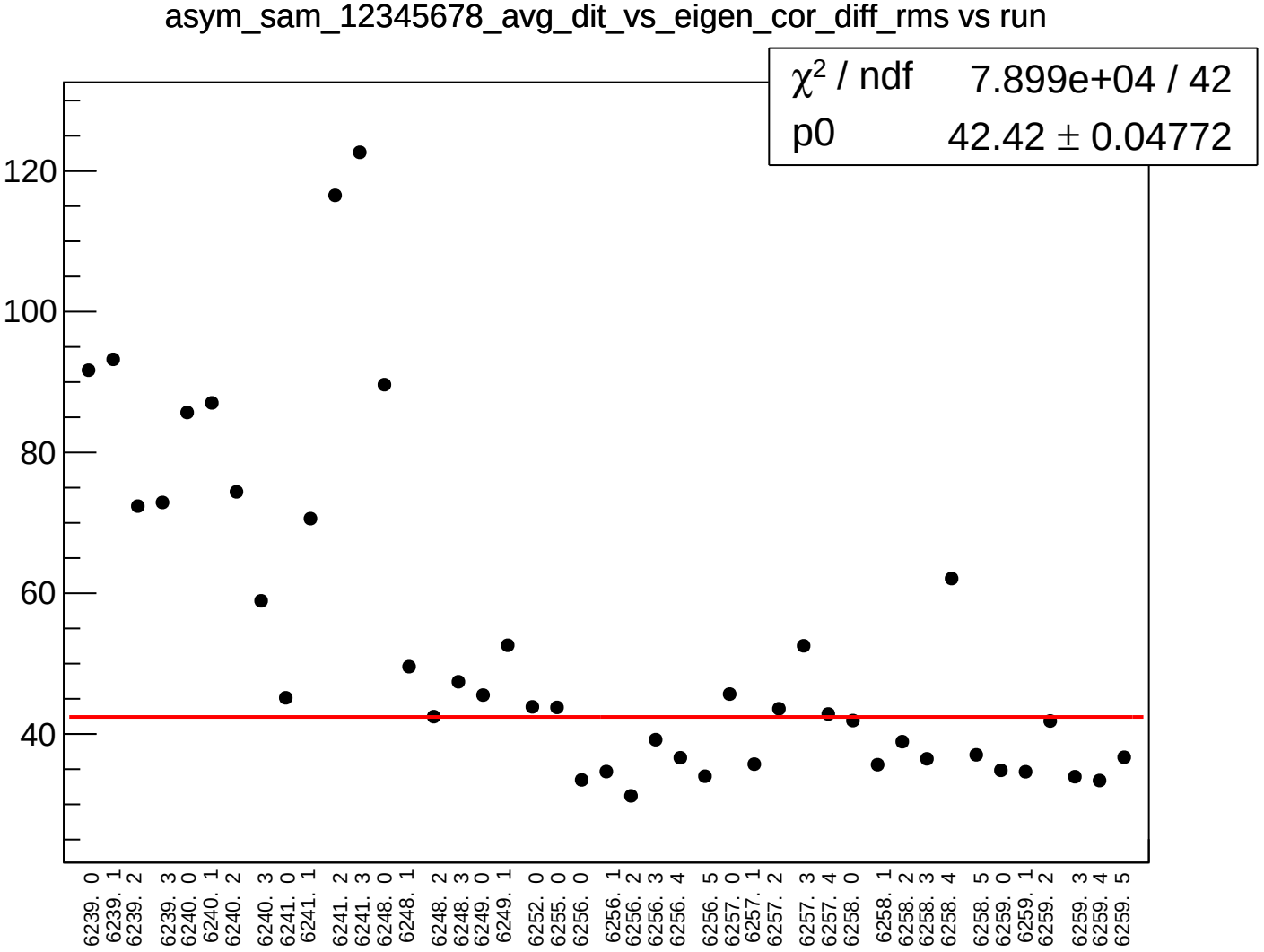

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.615e+05 / 42
p0 4.732e−11 ± 8.528e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

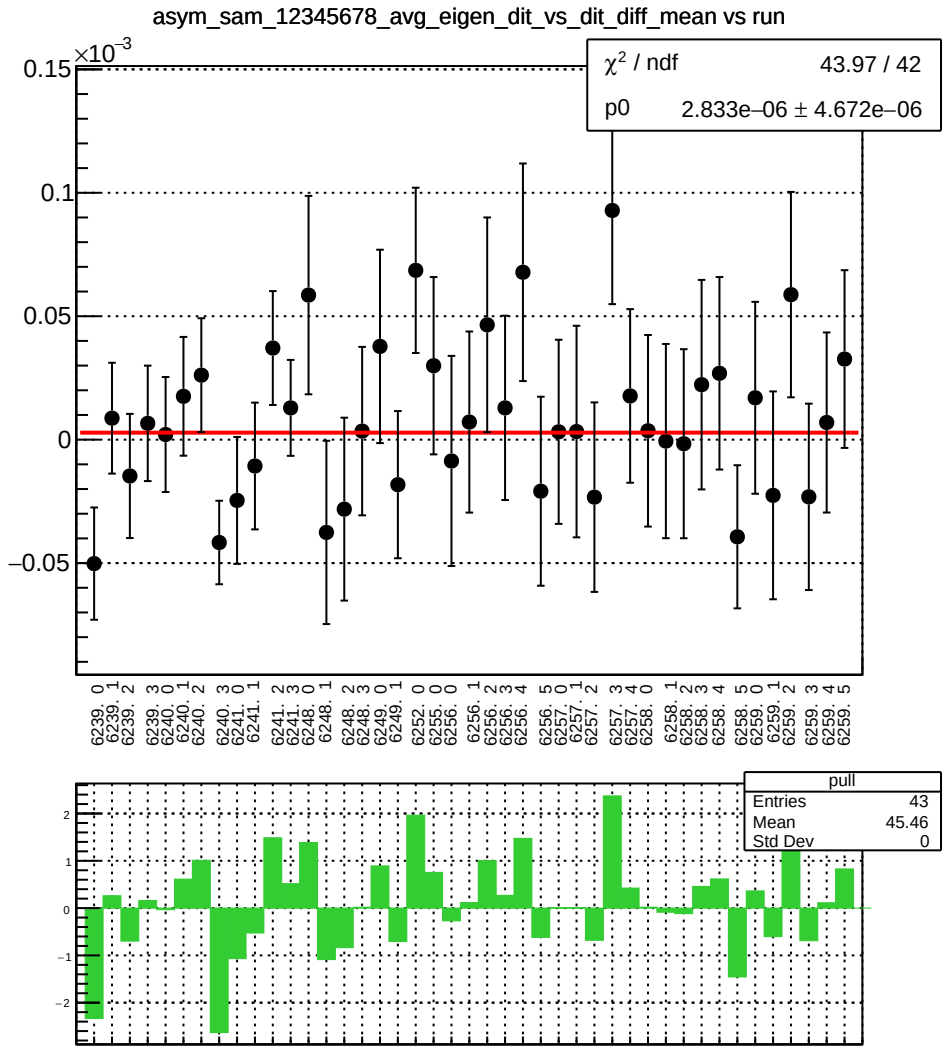

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 34.61 / 42
p0 0.0631± 0.06748
pull
Entries 43
Mean −6.437
Std Dev 0

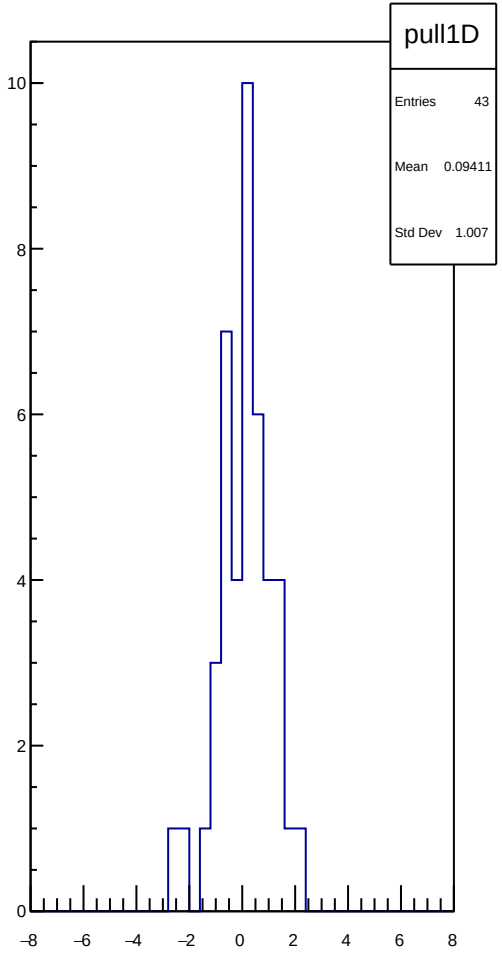

pull1D
Entries 43
Mean −0.04553
Std Dev 0.896

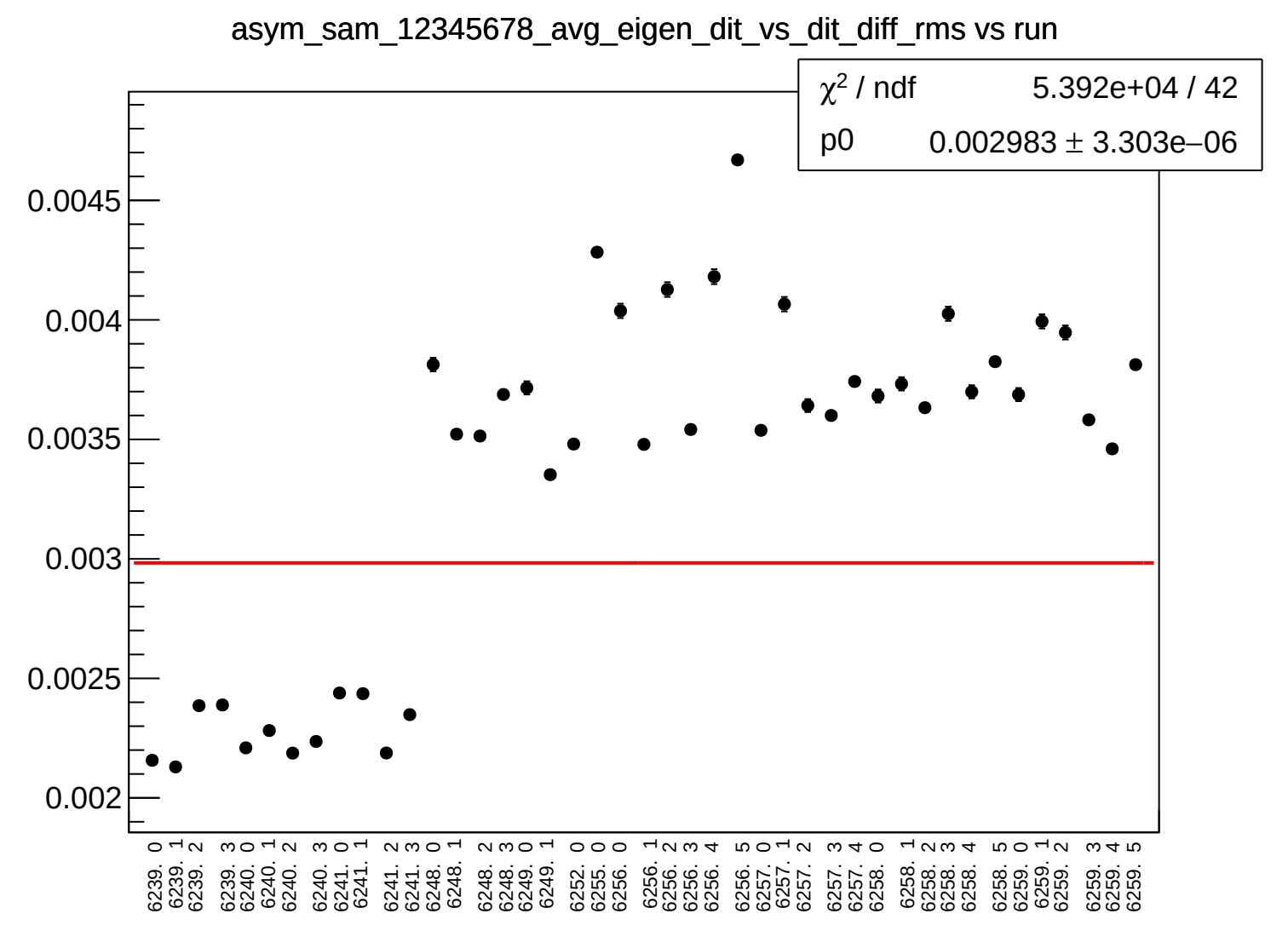

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.899e+04 / 42
p0 42.42 ± 0.04772
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

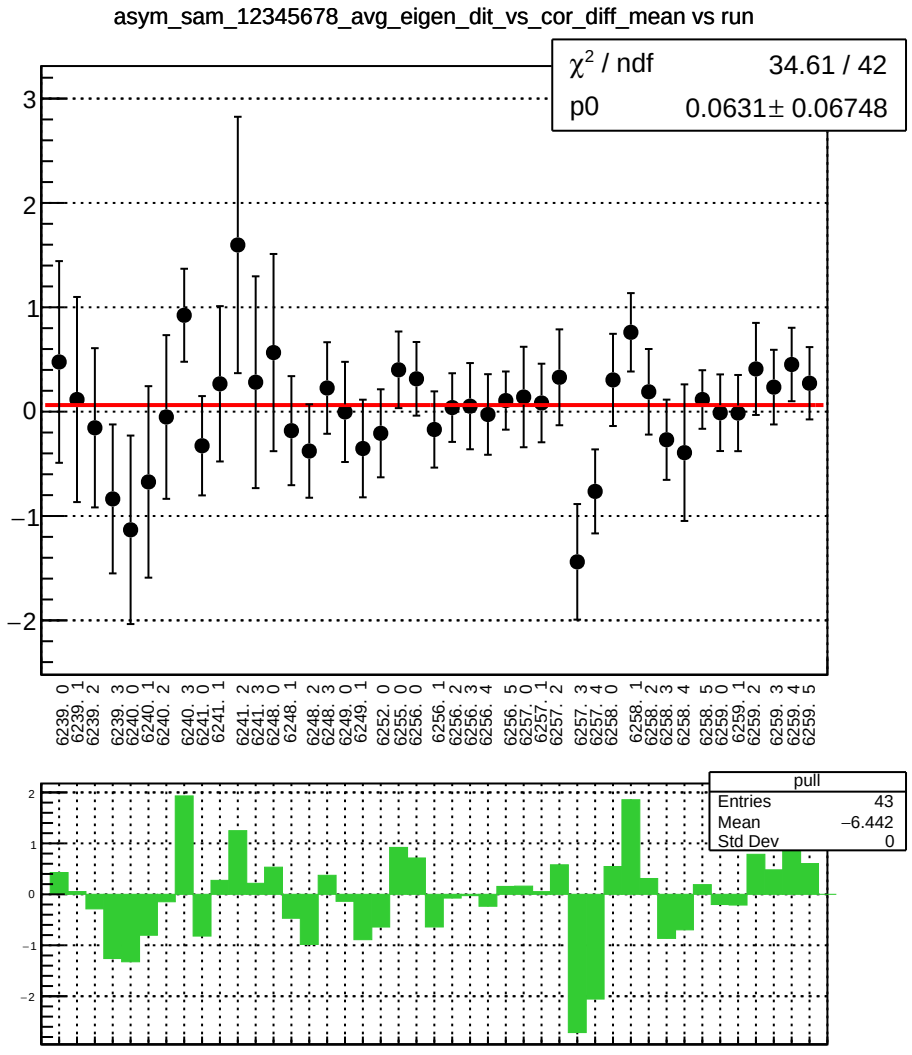

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.61 / 42
p0 0.0631± 0.06748
pull
Entries 43
Mean −6.437
Std Dev 0
pull1D
Entries 43
Mean −0.04553
Std Dev 0.896

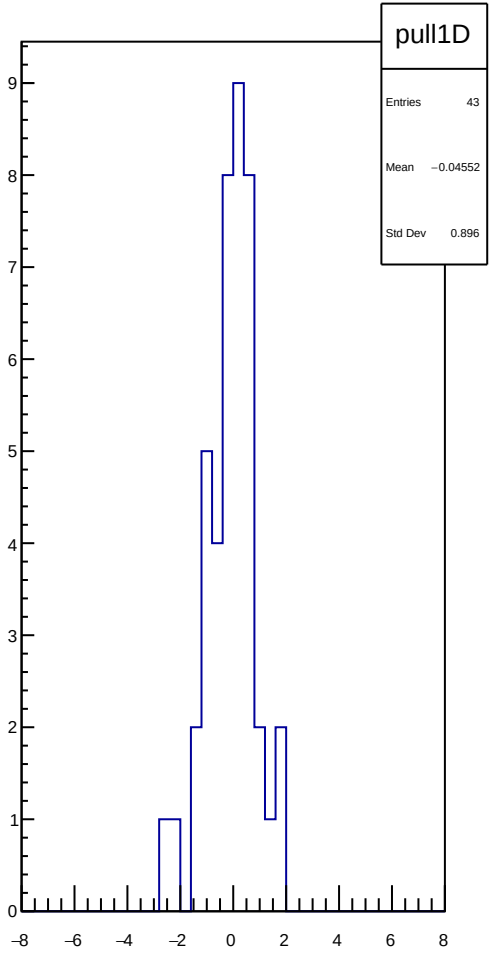

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.899e+04 / 42
p0 42.42 ± 0.04772
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

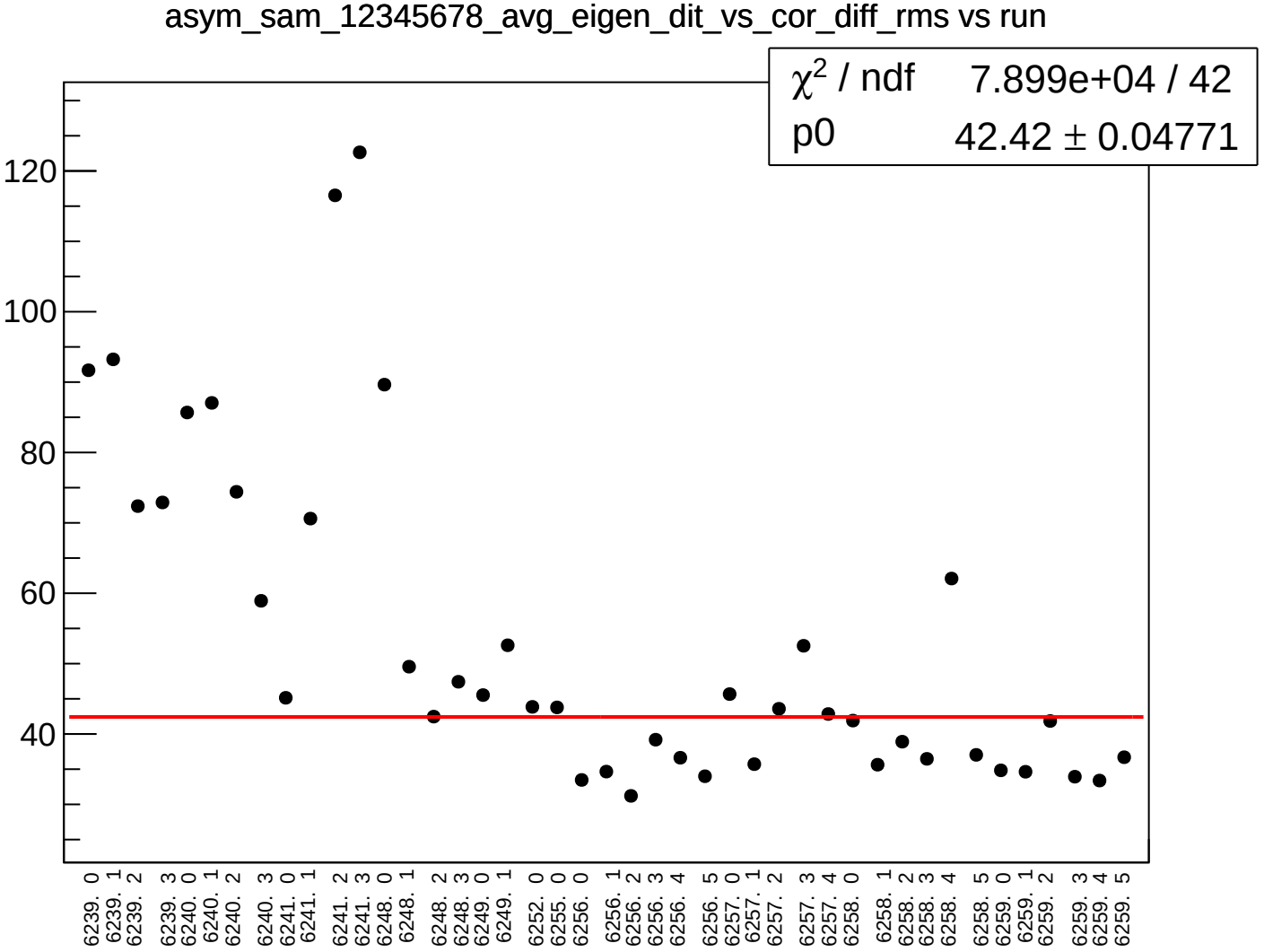

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.97 / 42
p0 2.833e−06 ± 4.672e−06
0.15
0.1
0.05
0
−0.05
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 45.46
Std Dev 0
2
1
0
−1
−2

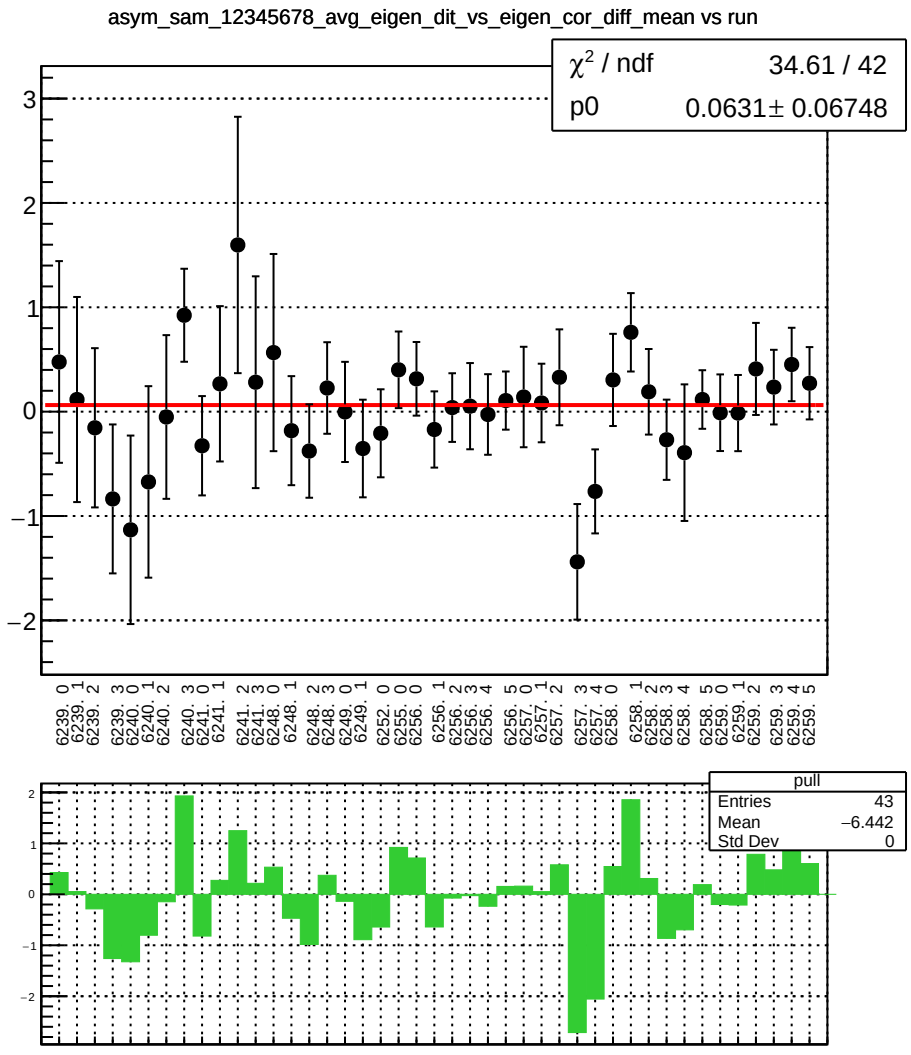

pull1D
Entries 43
Mean 0.09411
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

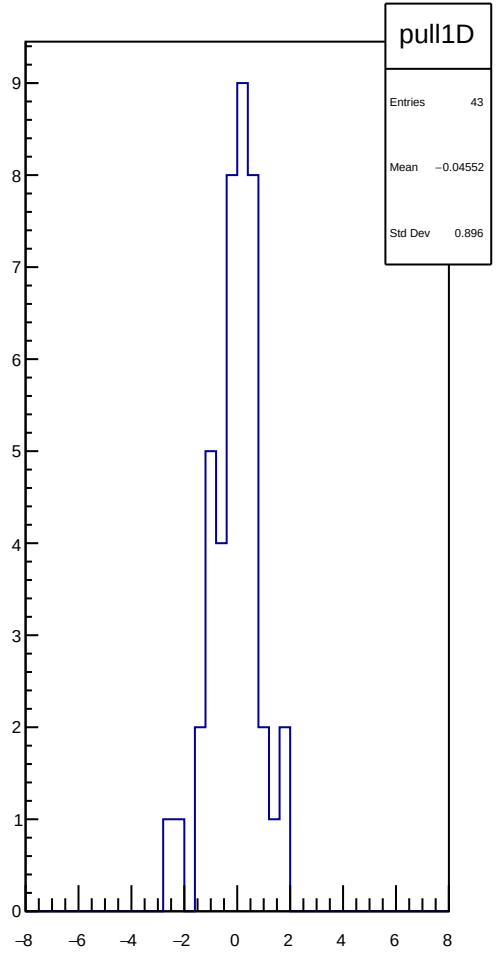

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.392e+04 / 42
p0 0.002983 ± 3.303e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

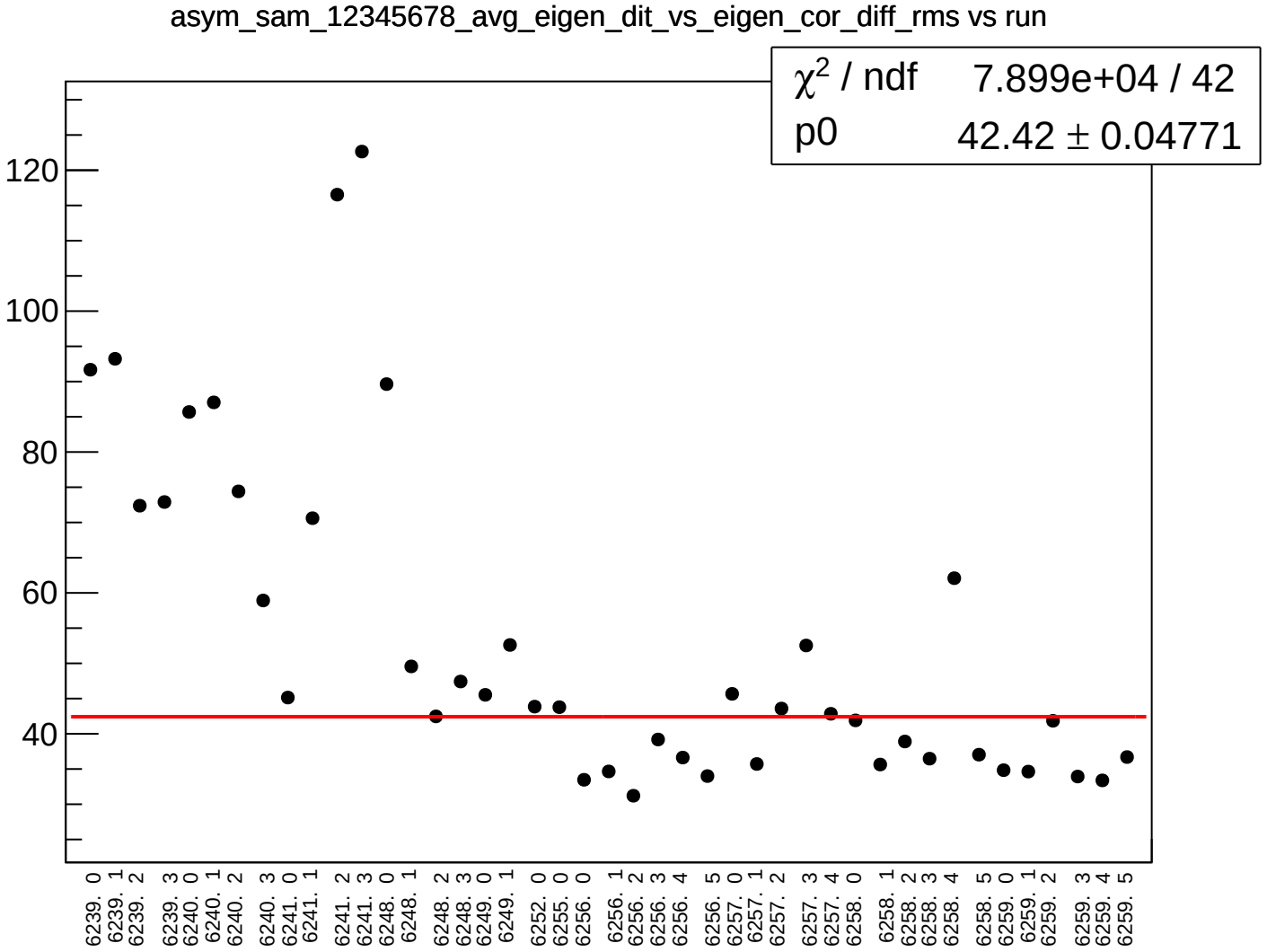

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.61 / 42
p0 0.0631± 0.06748
pull
Entries 43
Mean −6.442
Std Dev 0

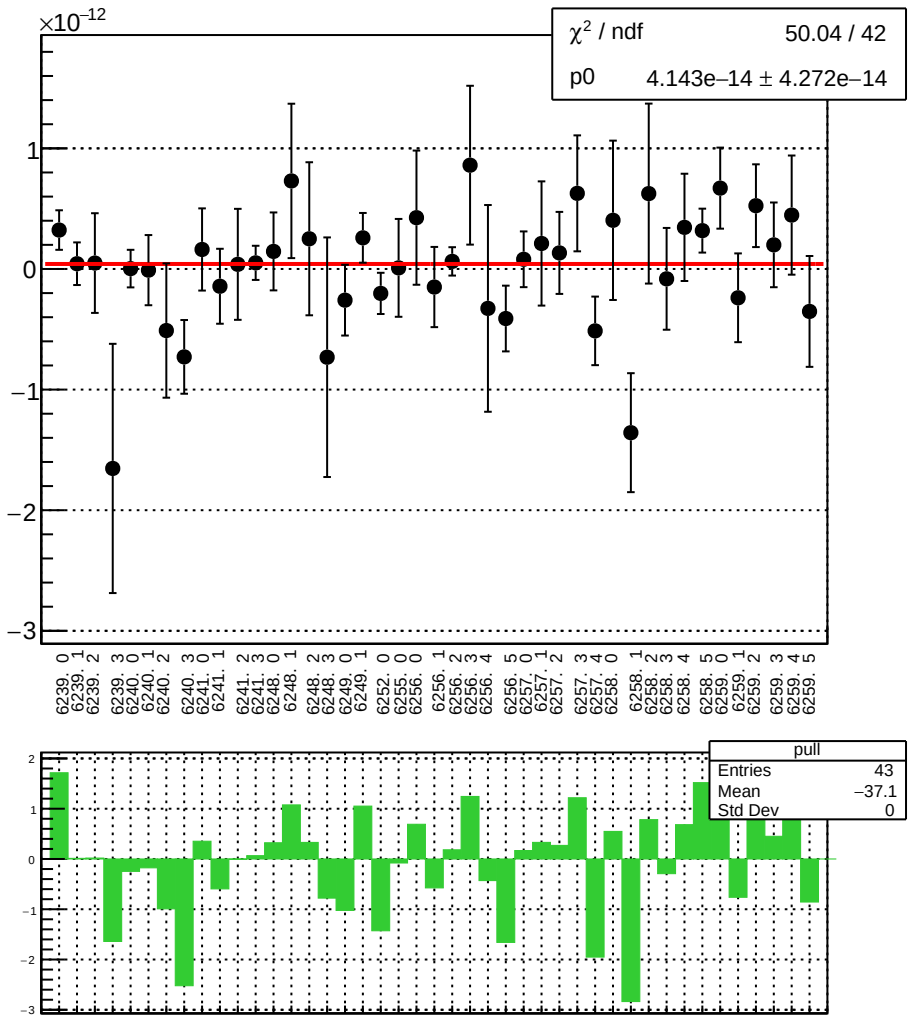

pull1D
Entries 43
Mean −0.04552
Std Dev 0.896

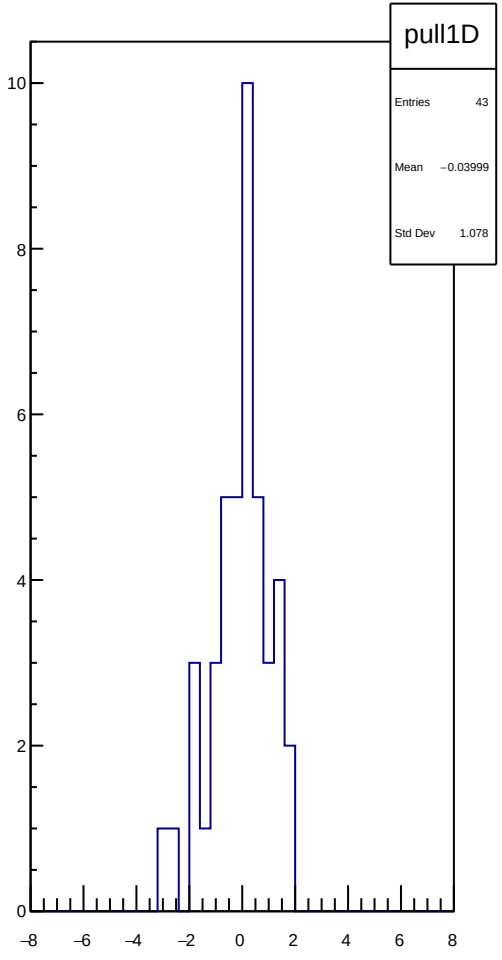

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.899e+04 / 42
p0 42.42 ± 0.04771
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

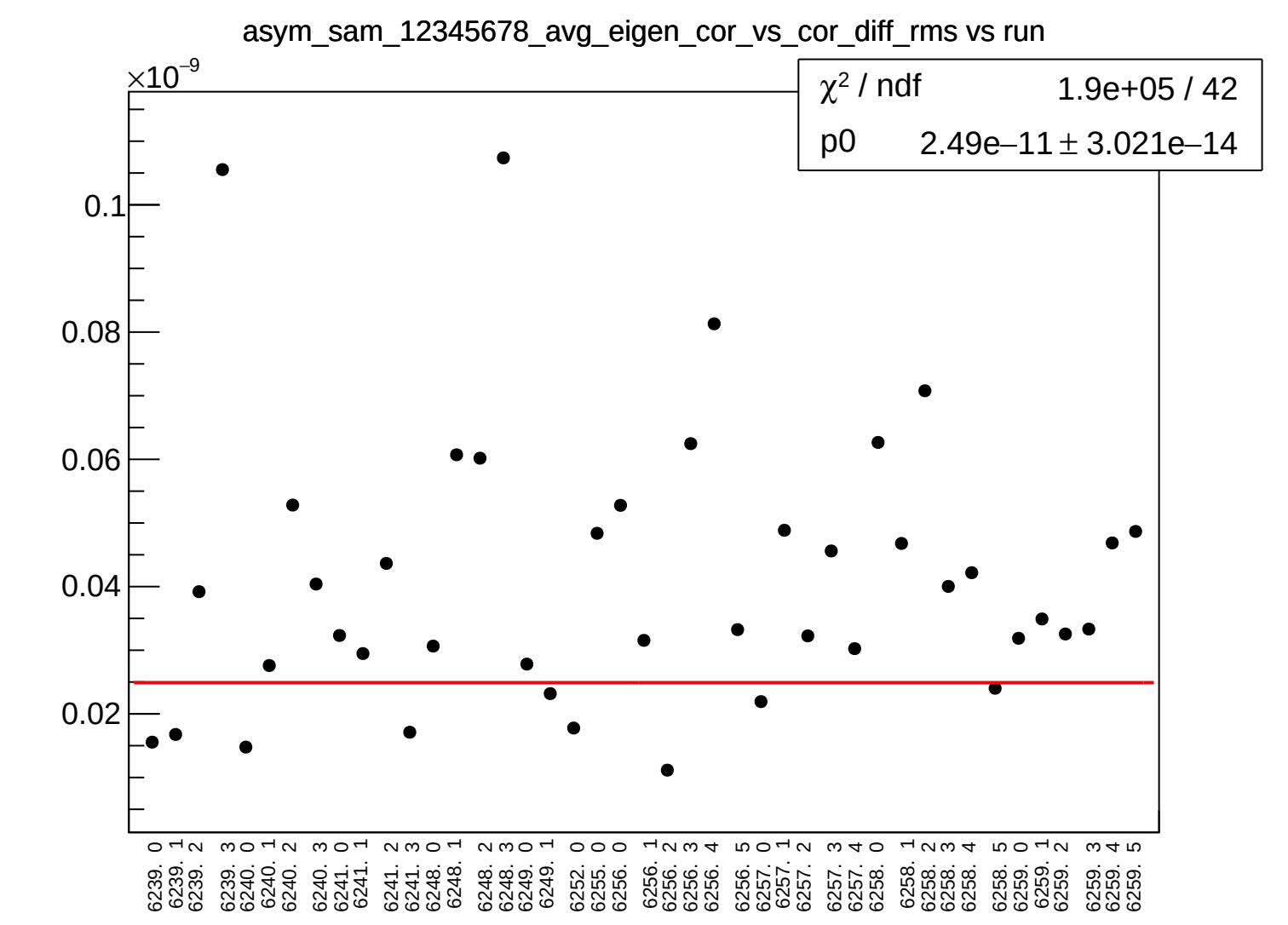

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.61 / 42
p0 0.0631± 0.06748
pull
Entries 43
Mean −6.442
Std Dev 0

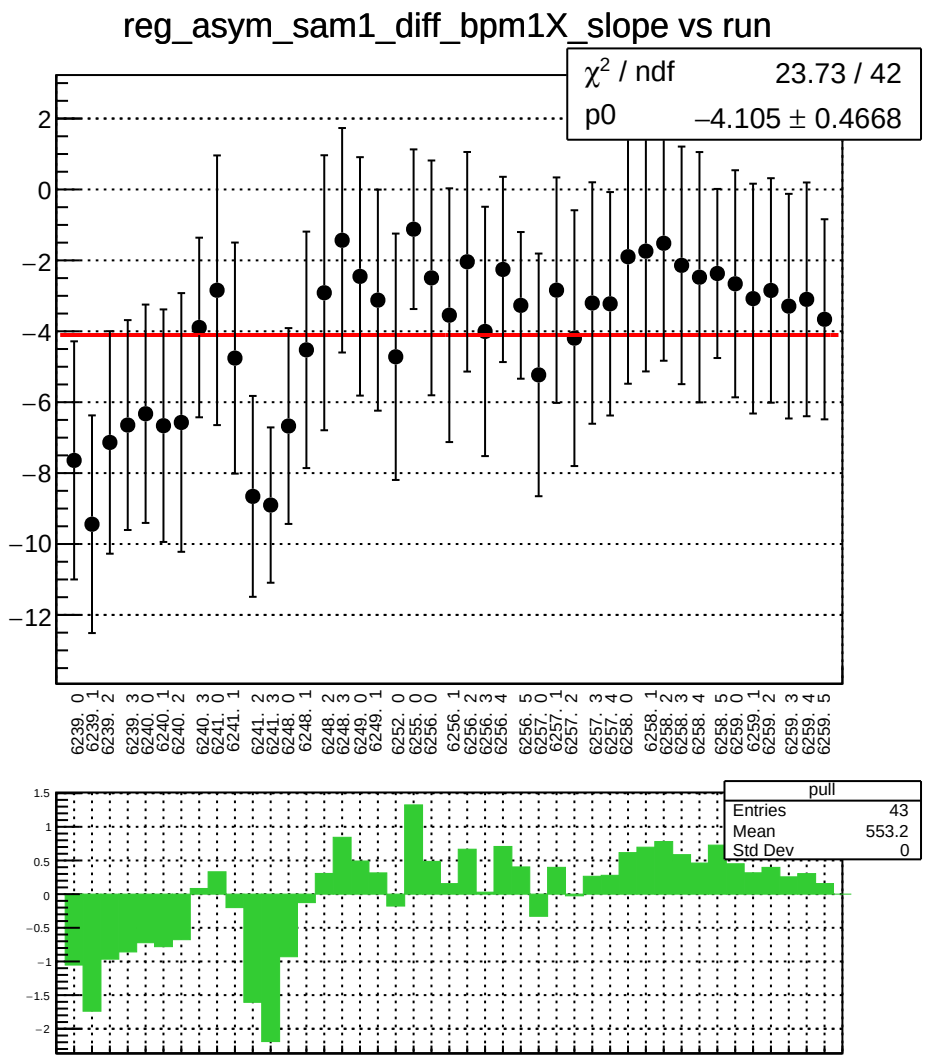

pull1D
Entries 43
Mean −0.04552
Std Dev 0.896

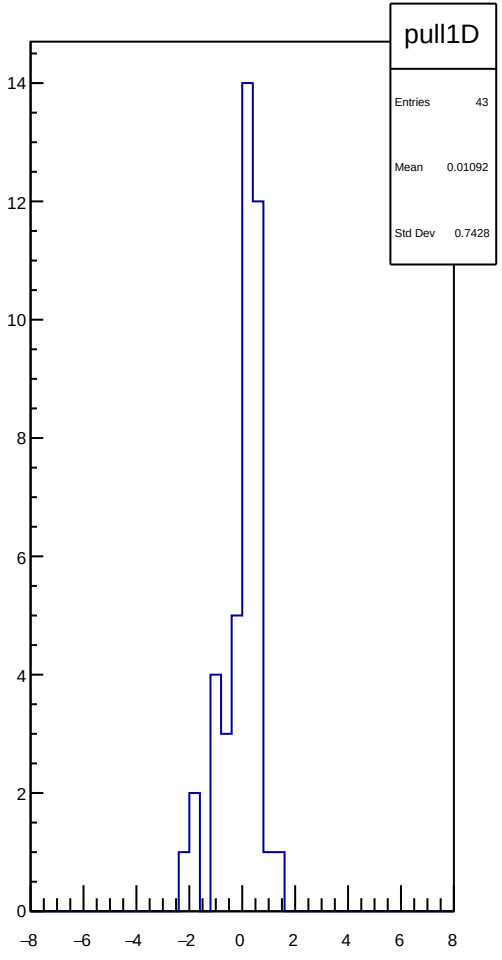

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 7.899e+04 / 42
p0 42.42 ± 0.04771
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

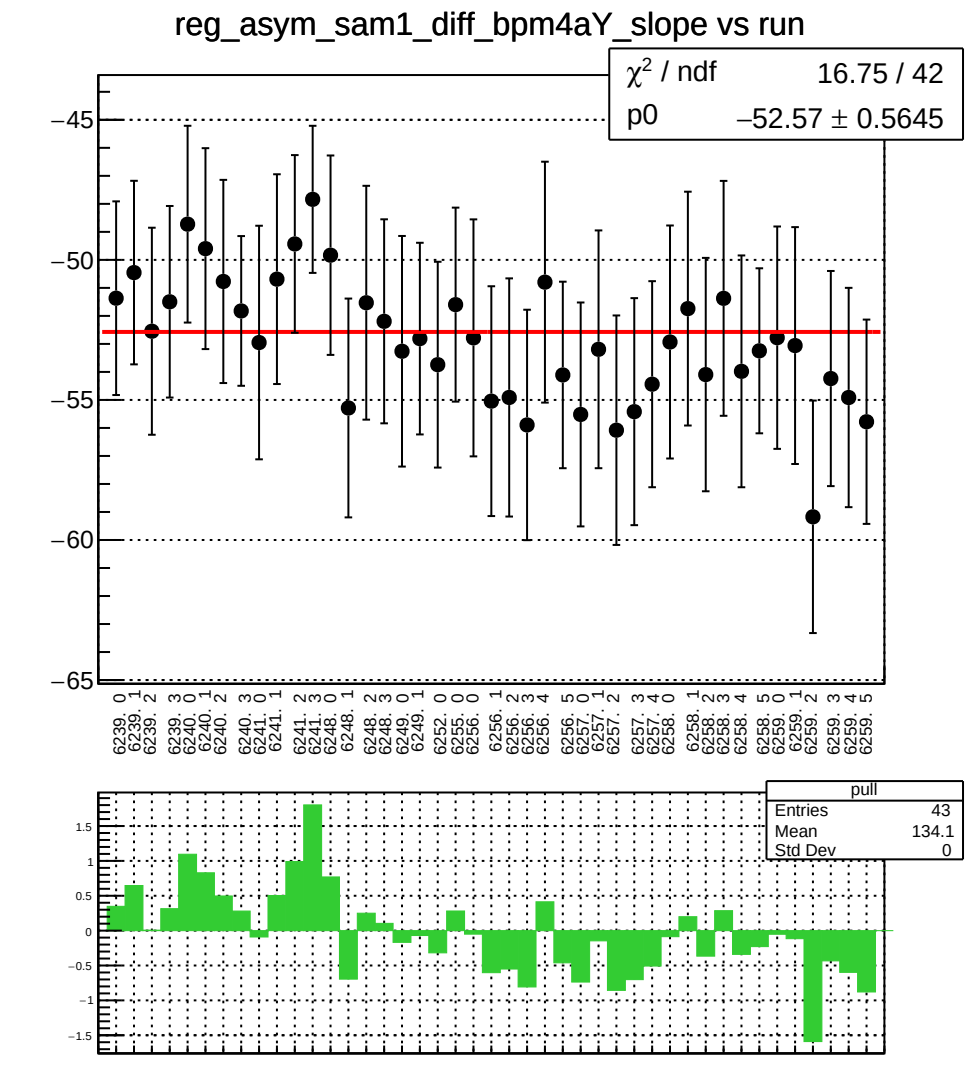

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.04 / 42
p0 4.143e−14 ± 4.272e−14
1
0
−1
−2
−3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −37.1
Std Dev 0
2
1
0
−1
−2
−3

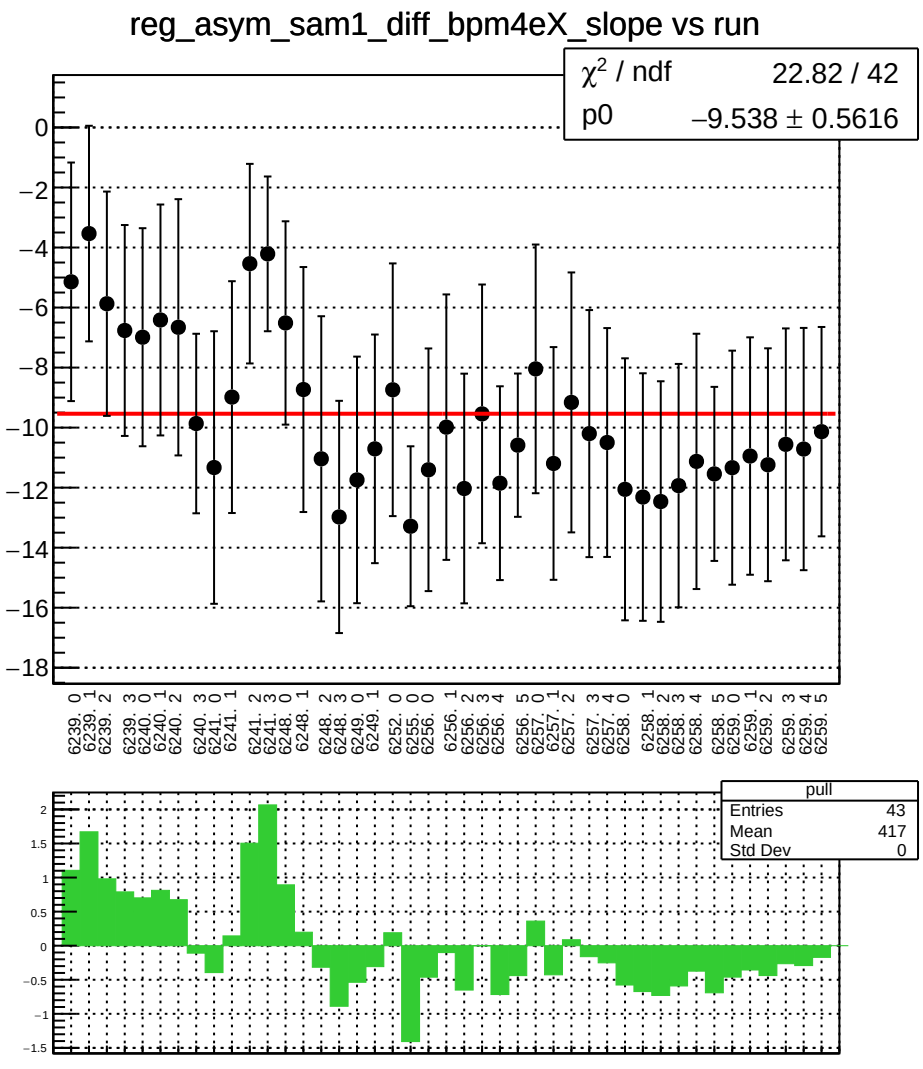

pull1D
Entries 43
Mean −0.03999
Std Dev 1.078
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

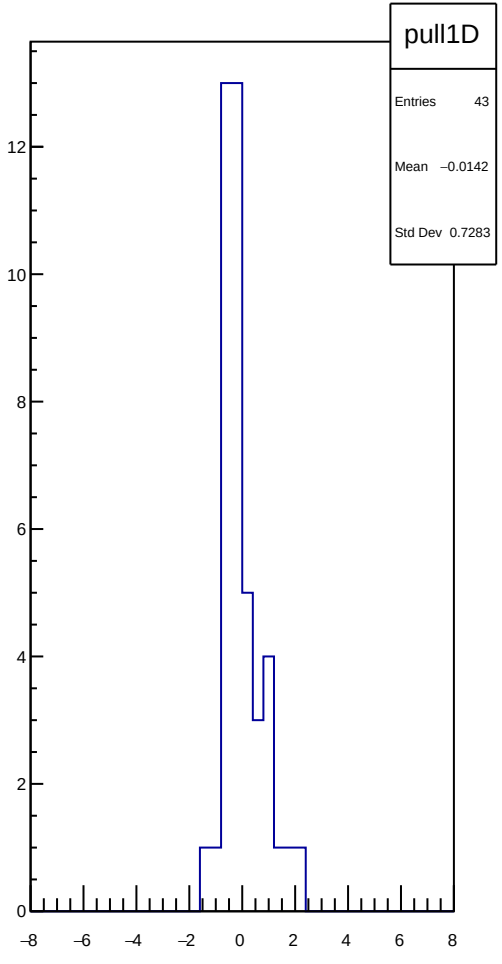

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.9e+05 / 42
p0 2.49e−11 ± 3.021e−14
0.1
0.08
0.06
0.04
0.02
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5

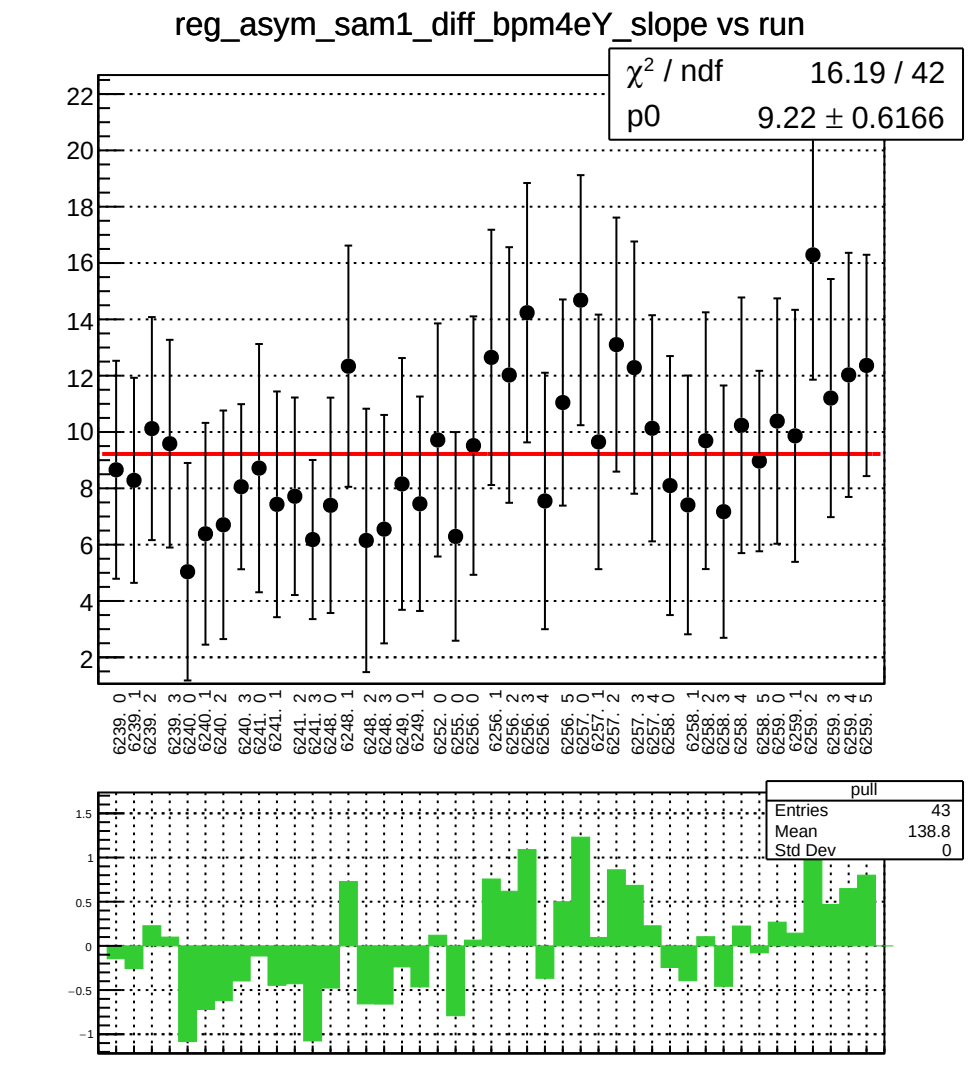

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 23.73 / 42
p0 −4.105 ± 0.4668
pull
Entries 43
Mean 553.2
Std Dev 0

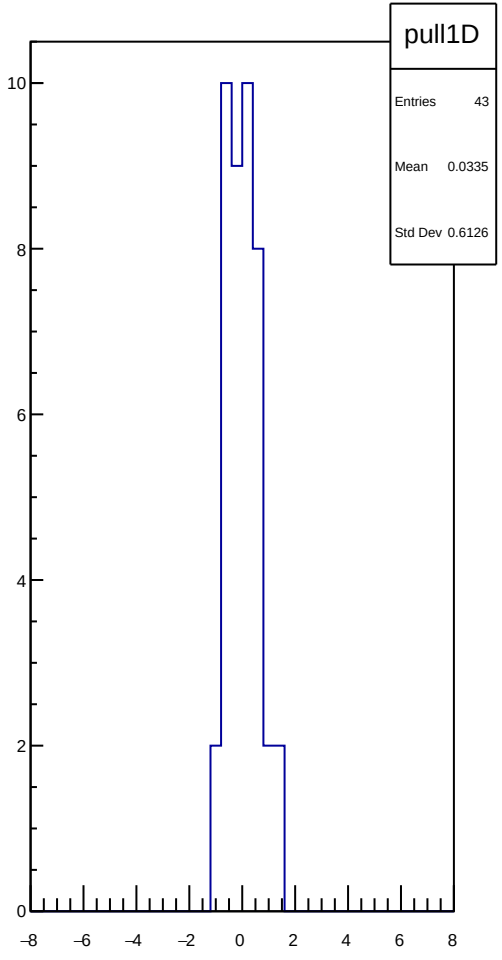

pull1D
Entries 43
Mean 0.01092
Std Dev 0.7428

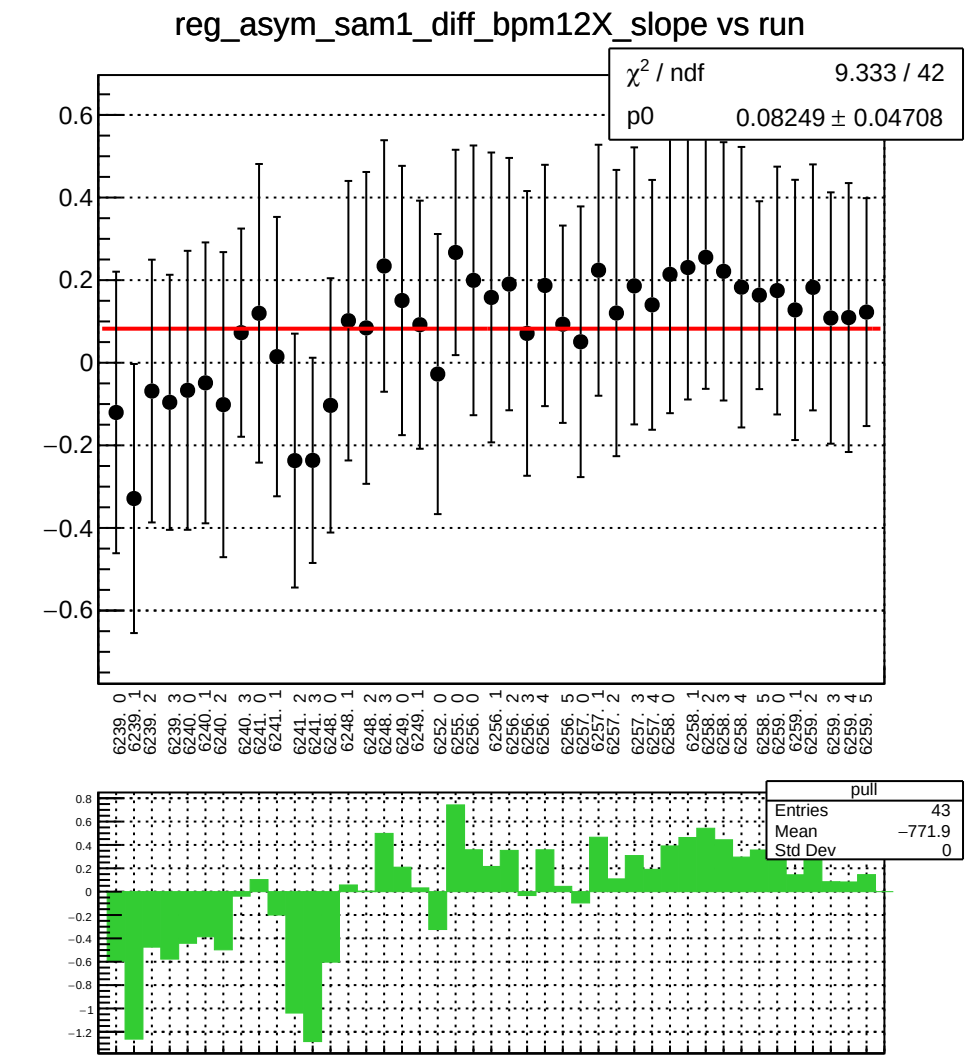

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 42
p0 −52.57 ± 0.5645
−45
−50
−55
−60
−65
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 134.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.04262
Std Dev 0.6227
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

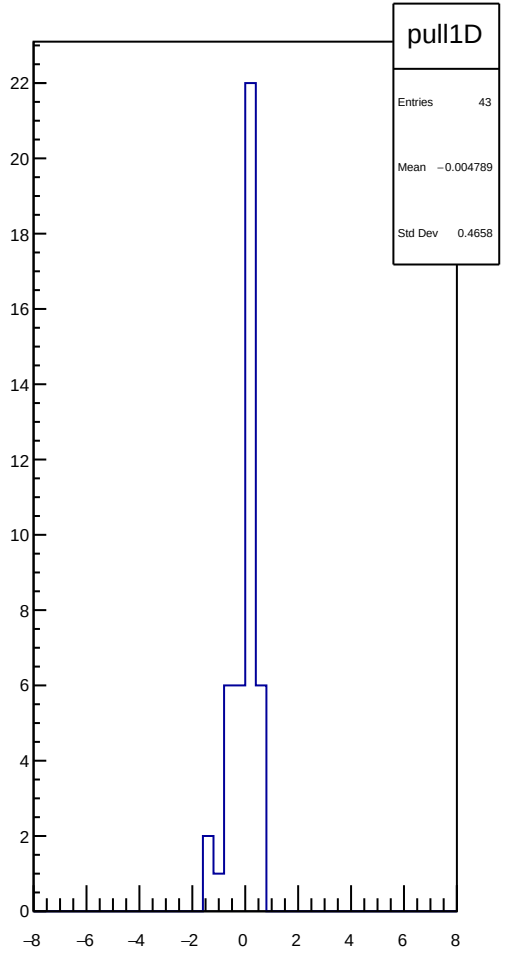

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 22.82 / 42
p0 −9.538 ± 0.5616
pull
Entries 43
Mean 417
Std Dev 0

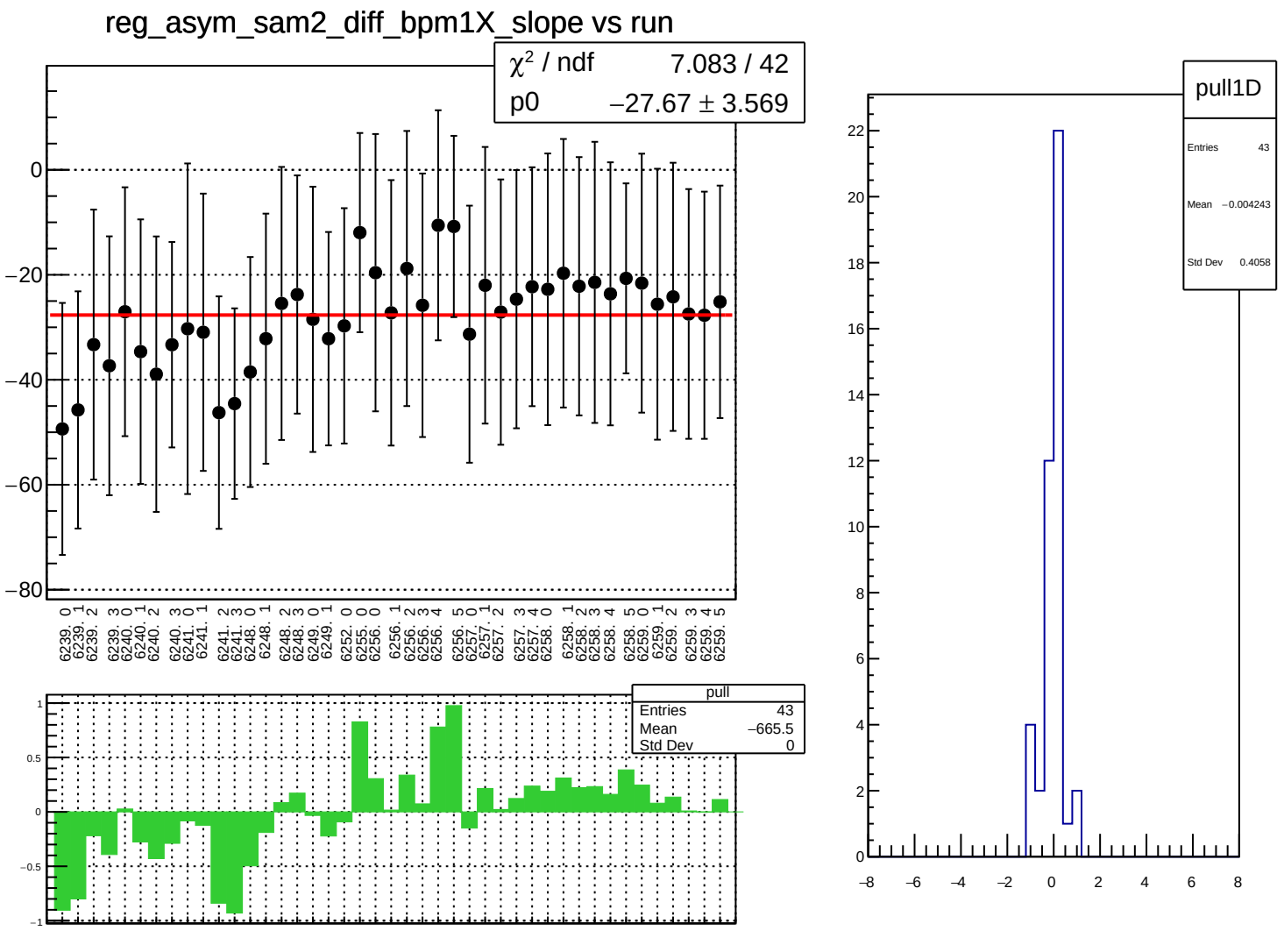

pull1D
Entries 43
Mean −0.0142
Std Dev 0.7283

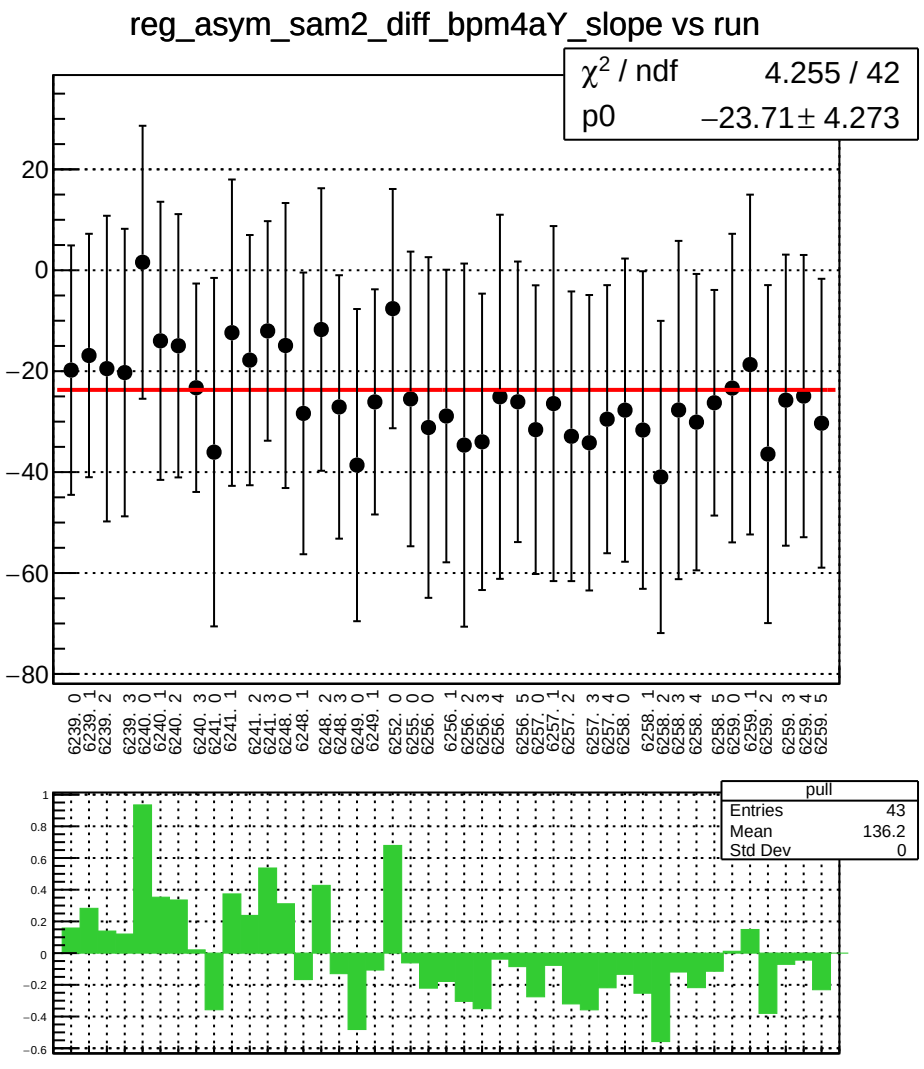

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 16.19 / 42
p0 9.22 ± 0.6166
pull
Entries 43
Mean 138.8
Std Dev 0

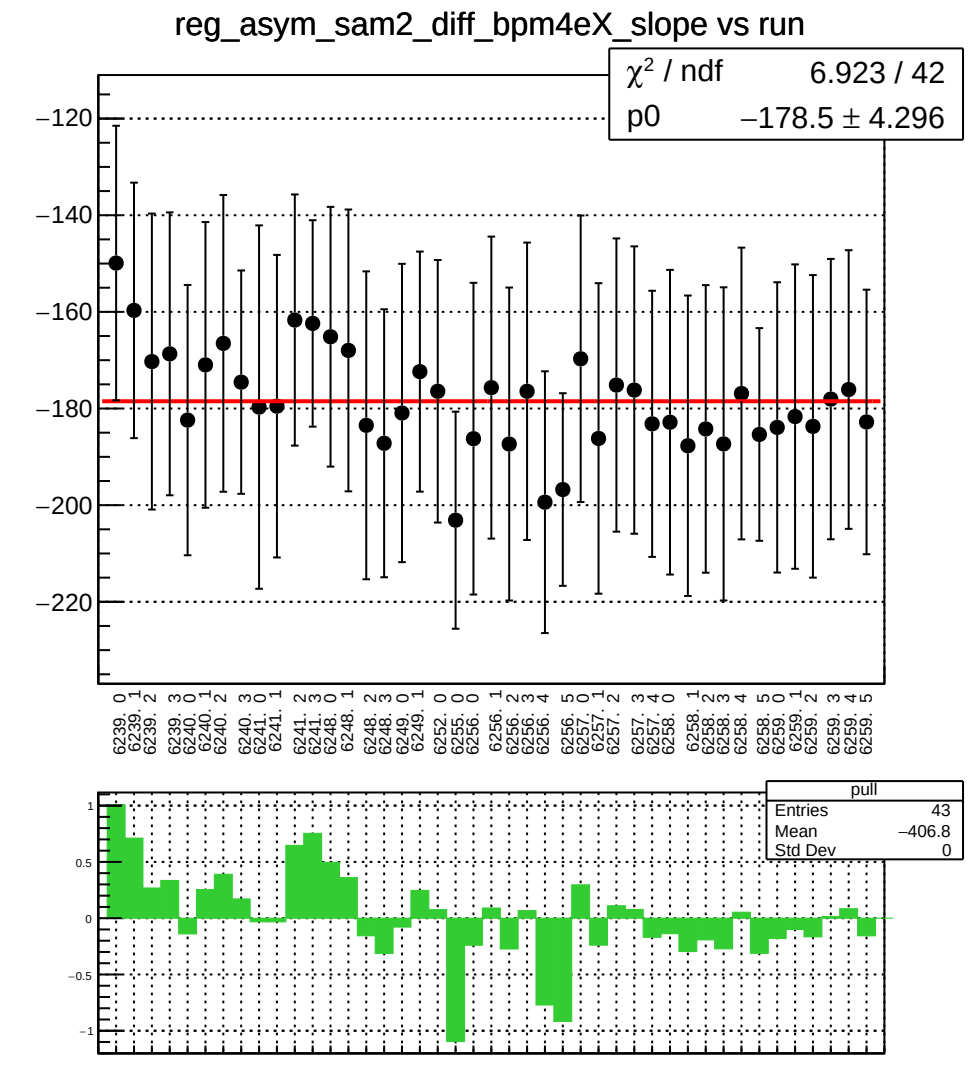

pull1D
Entries 43
Mean 0.0335
Std Dev 0.6126

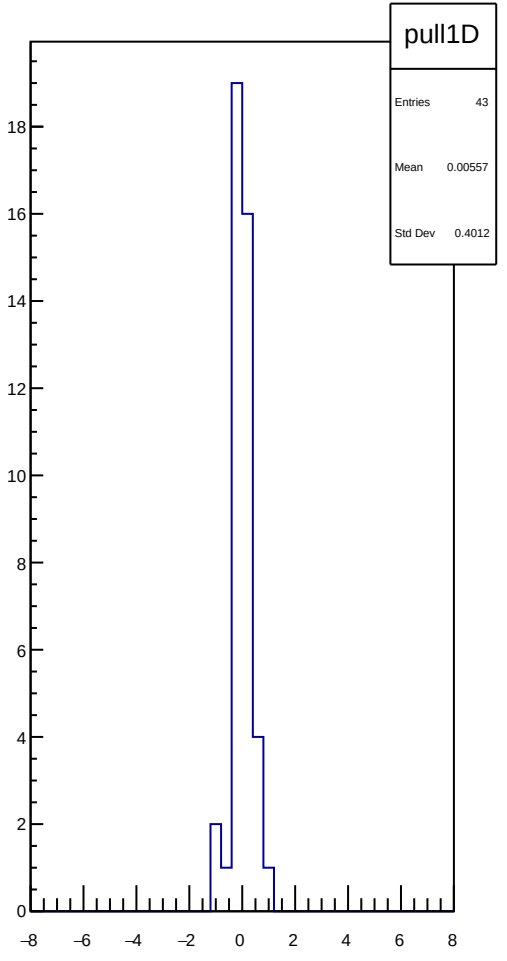

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 9.333 / 42
p0 0.08249 ± 0.04708
pull
Entries 43
Mean −771.9
Std Dev 0

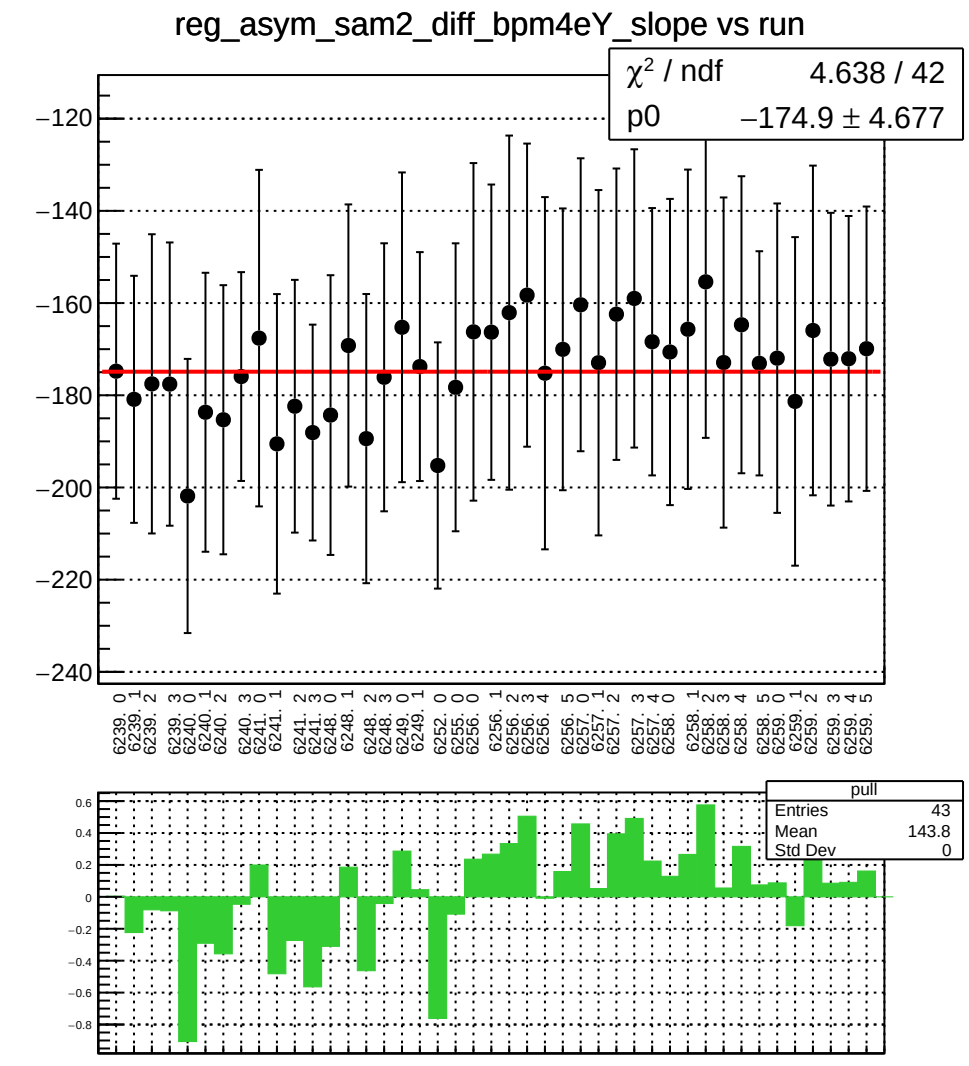

pull1D
Entries 43
Mean −0.004789
Std Dev 0.4658

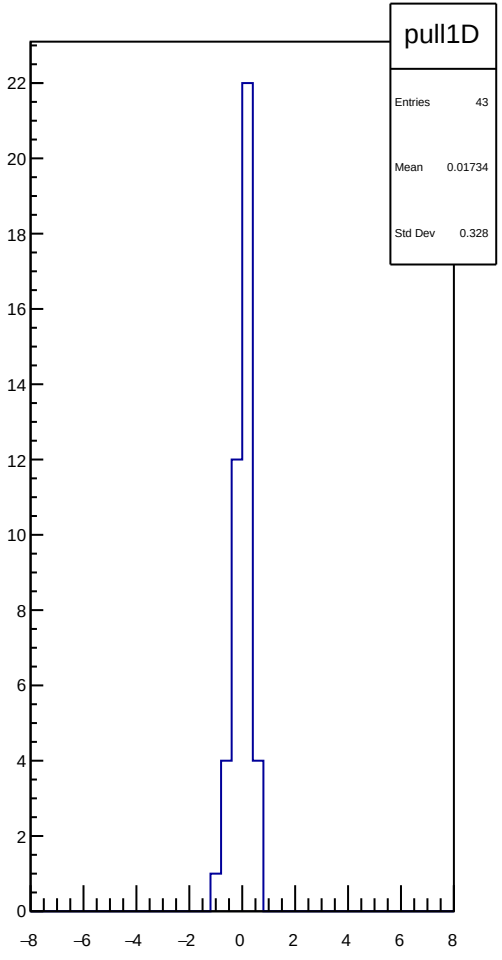

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 7.083 / 42
p0 −27.67 ± 3.569
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −665.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.004243
Std Dev 0.4058
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

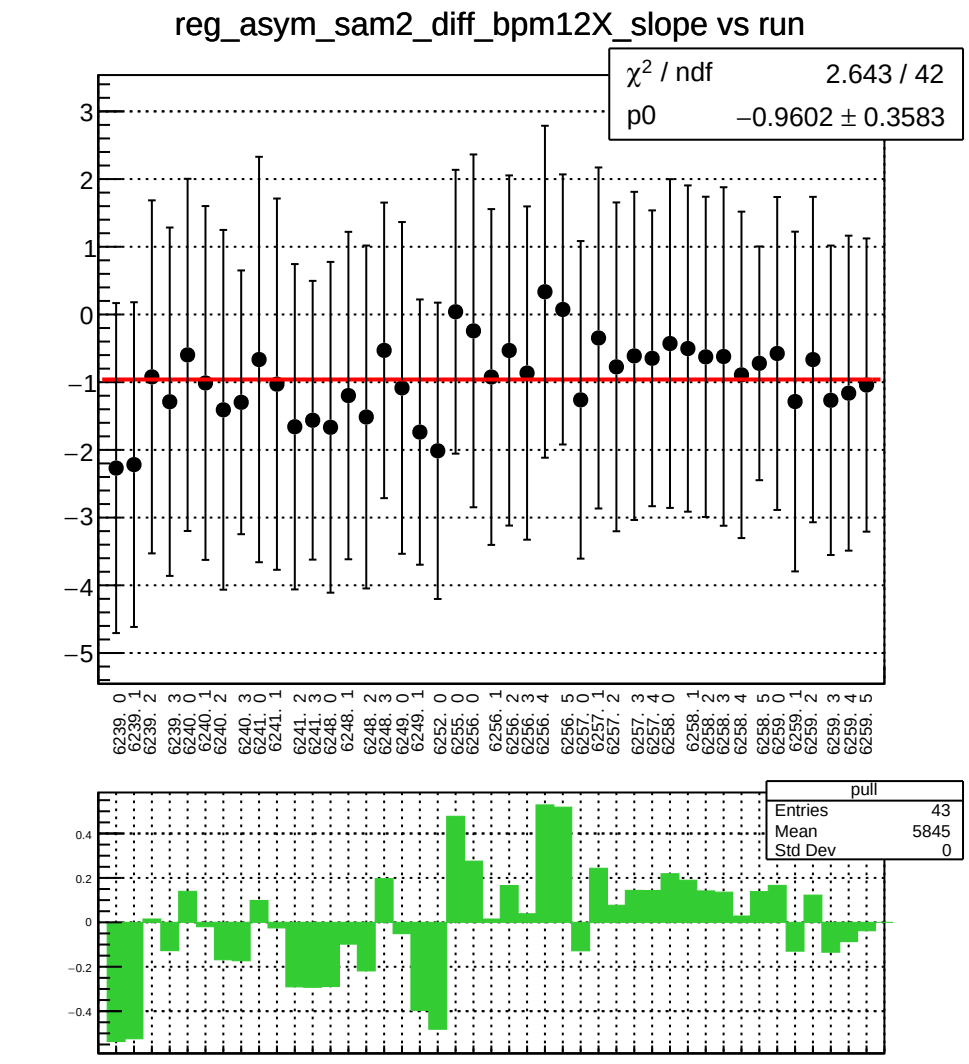

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 4.255 / 42
p0 −23.71± 4.273
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 136.2
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean −0.01818
Std Dev 0.314
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

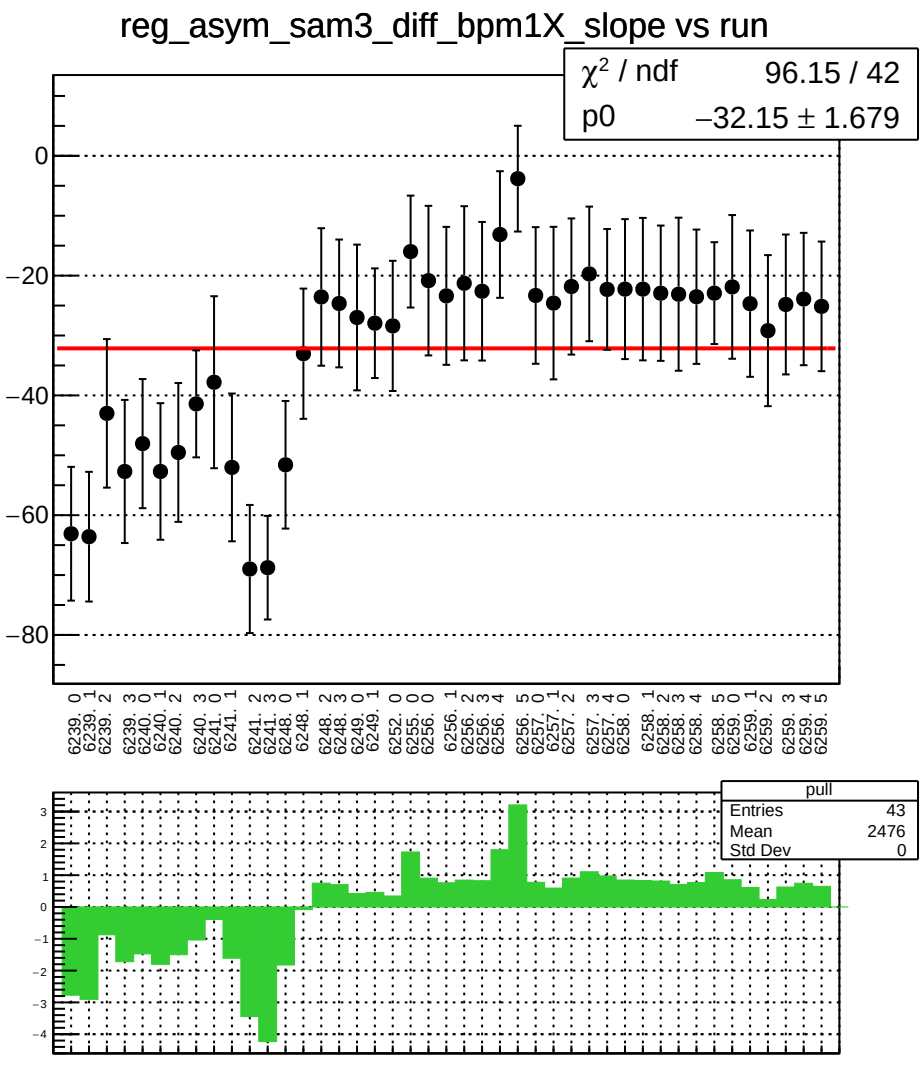

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.923 / 42
p0 −178.5 ± 4.296
−120
−140
−160
−180
−200
−220
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −406.8
Std Dev 0
1
0.5
0
−0.5
−1

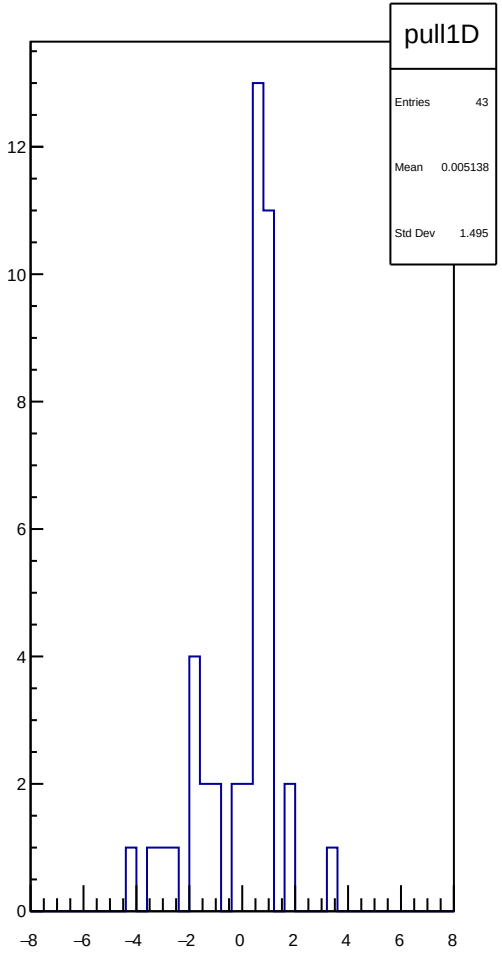

pull1D
Entries 43
Mean 0.00557
Std Dev 0.4012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

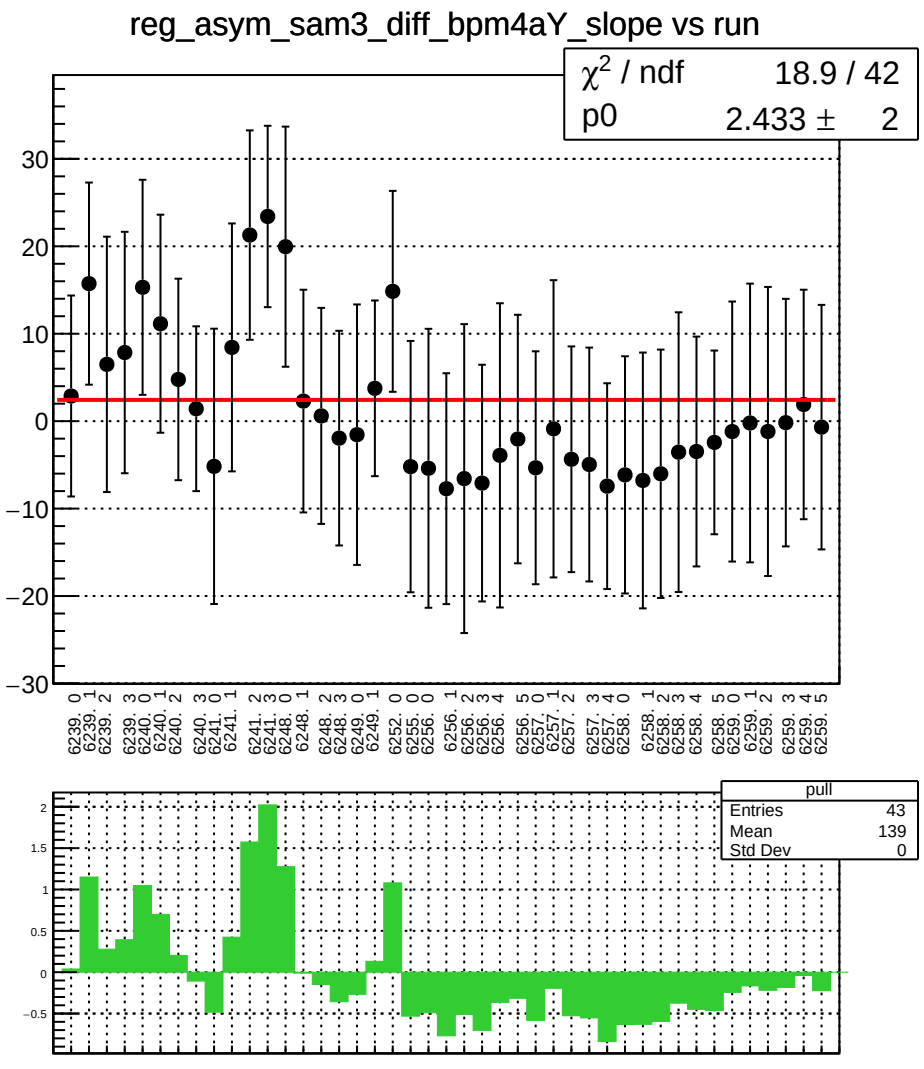

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 4.638 / 42
p0 −174.9 ± 4.677
pull
Entries 43
Mean 143.8
Std Dev 0

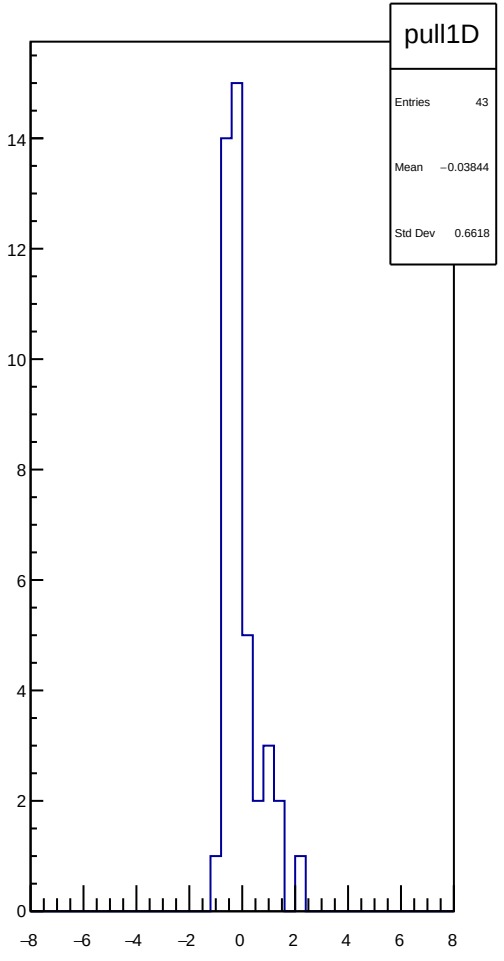

pull1D
Entries 43
Mean 0.01734
Std Dev 0.328

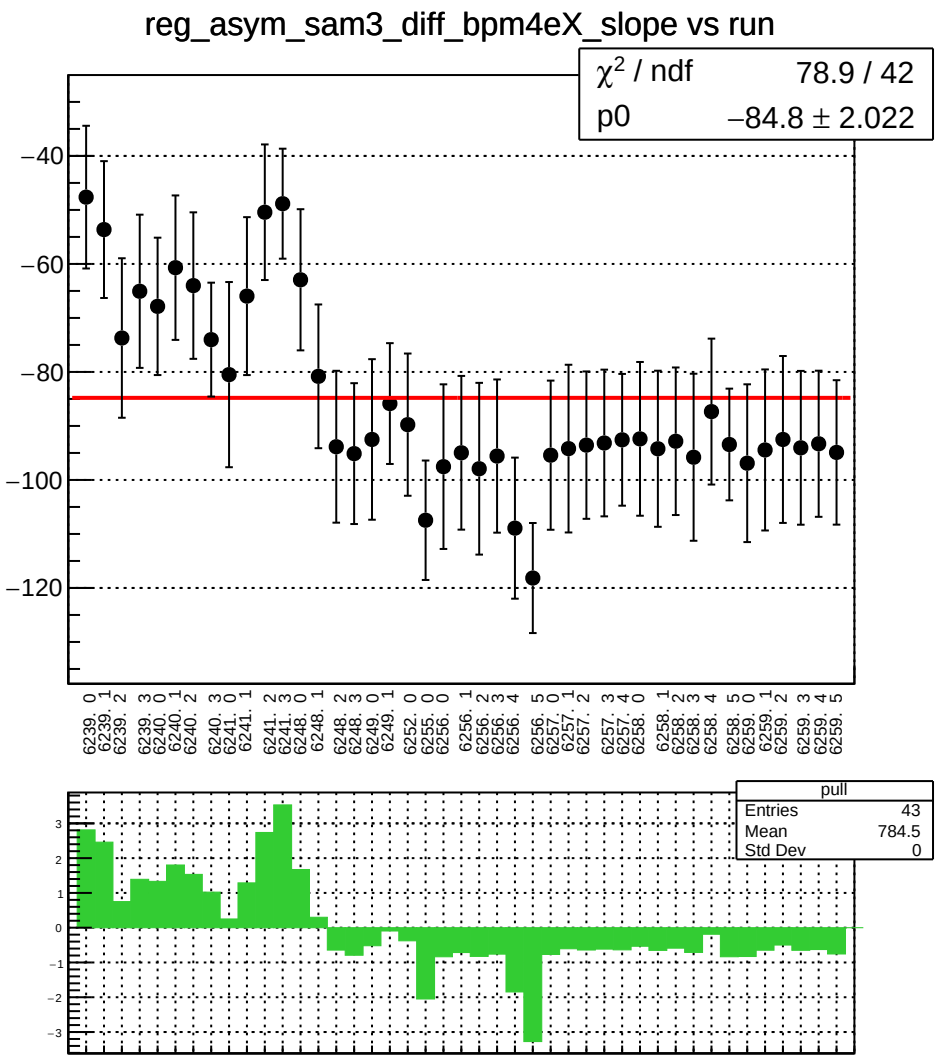

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.643 / 42
p0 −0.9602 ± 0.3583
pull
Entries 43
Mean 5845
Std Dev 0
pull1D
Entries 43
Mean 0.000212
Std Dev 0.2479

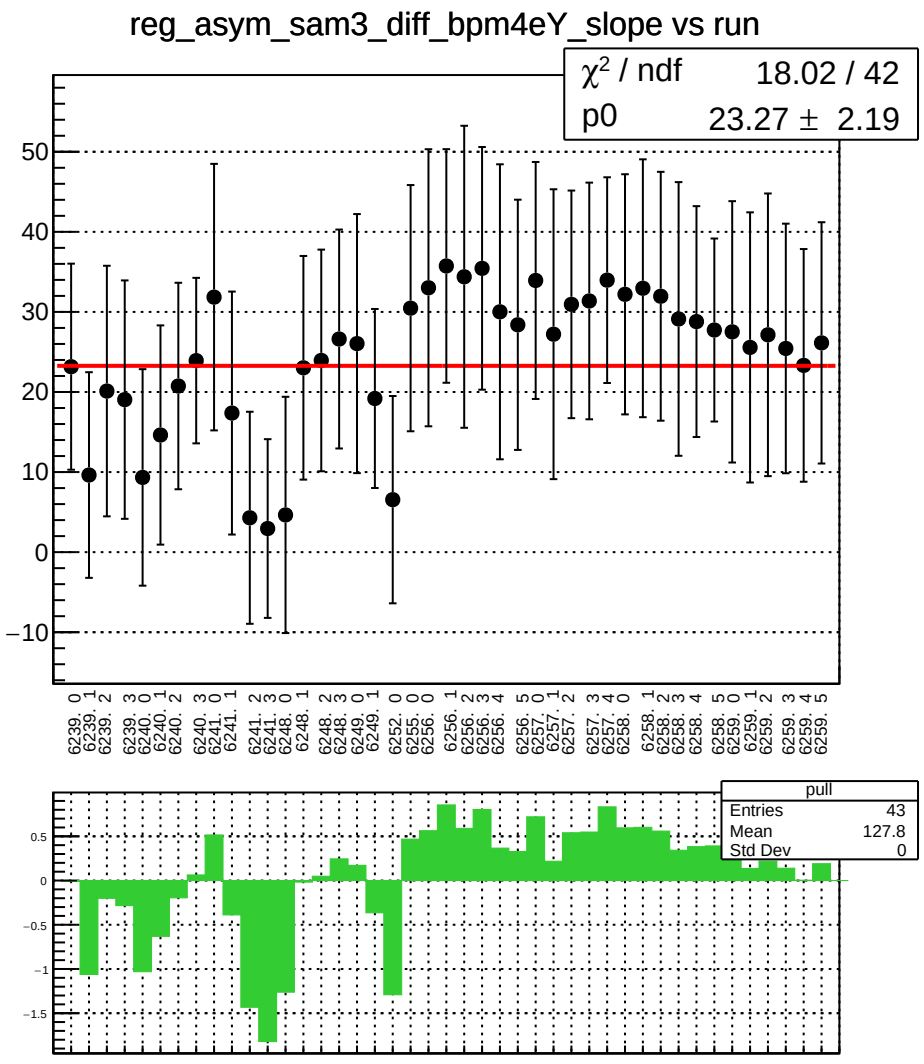

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 96.15 / 42
p0 −32.15 ± 1.679
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 2476
Std Dev 0
3
2
1
0
−1
−2
−3
−4

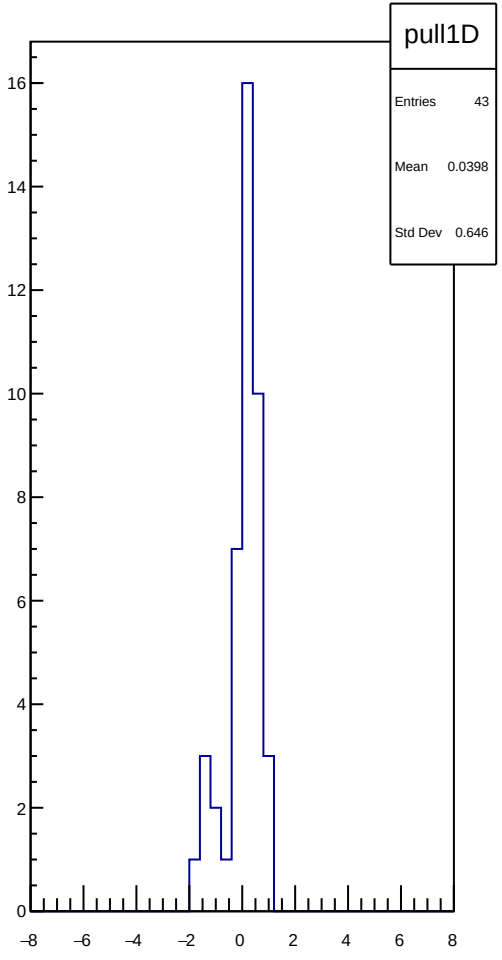

pull1D
Entries 43
Mean 0.005138
Std Dev 1.495
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

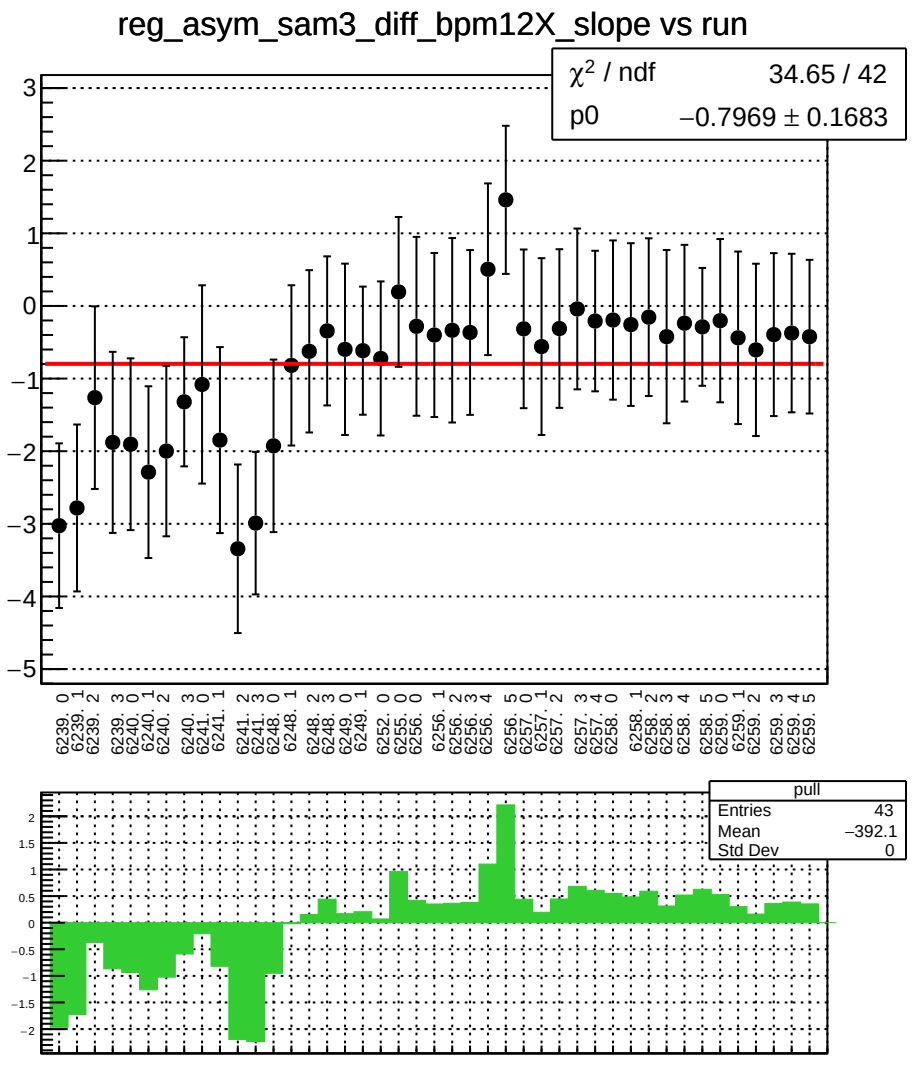

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 18.9 / 42
p0 2.433 ± 2
pull
Entries 43
Mean 139
Std Dev 0

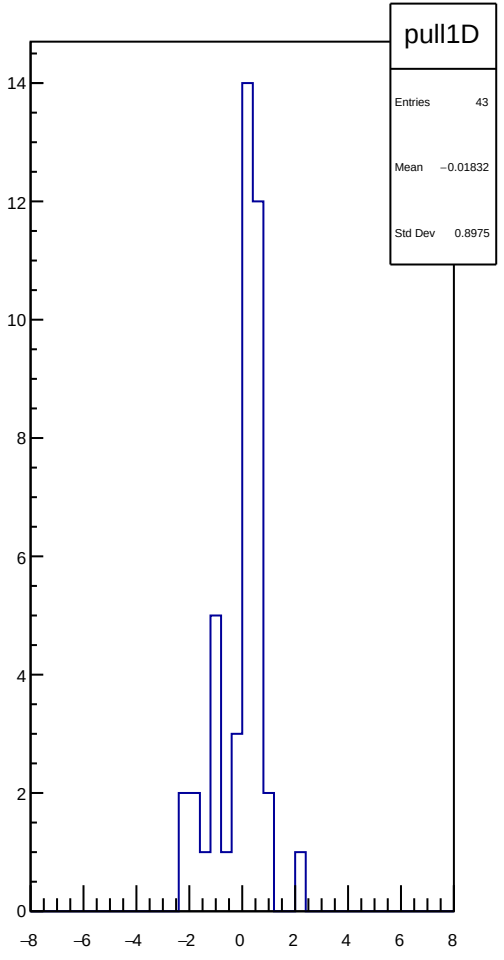

pull1D
Entries 43
Mean −0.03844
Std Dev 0.6618

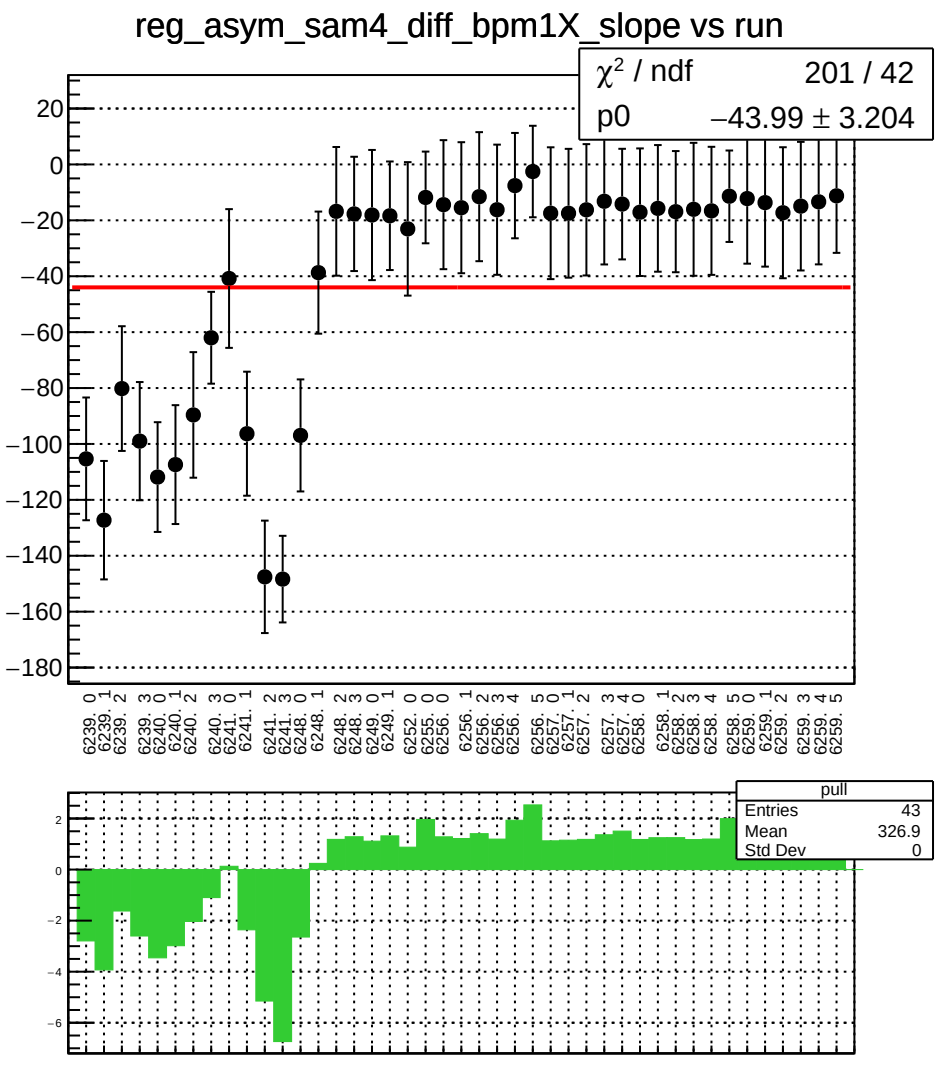

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 78.9 / 42
p0 −84.8 ± 2.022
−40
−60
−80
−100
−120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 784.5
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.01467
Std Dev 1.354
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

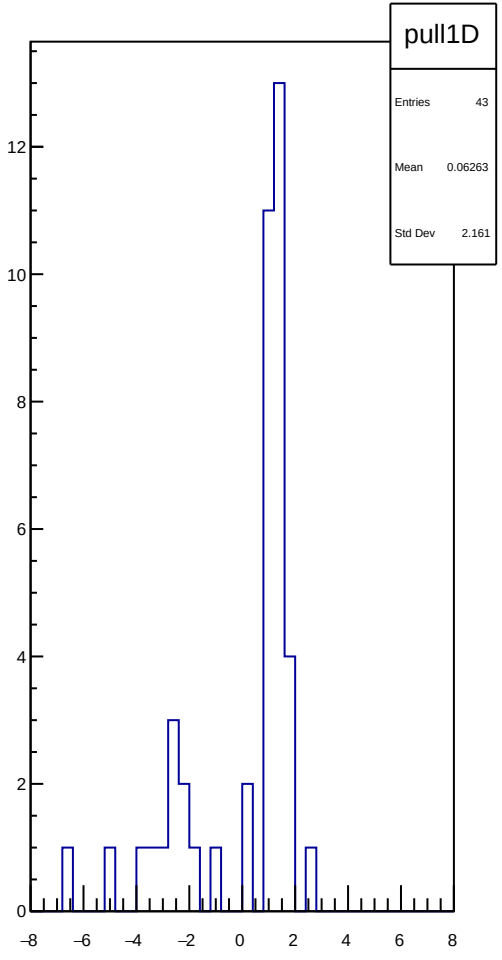

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 18.02 / 42
p0 23.27 ± 2.19
50
40
30
20
10
0
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 127.8
Std Dev 0
0.5
0
−0.5
−1
−1.5

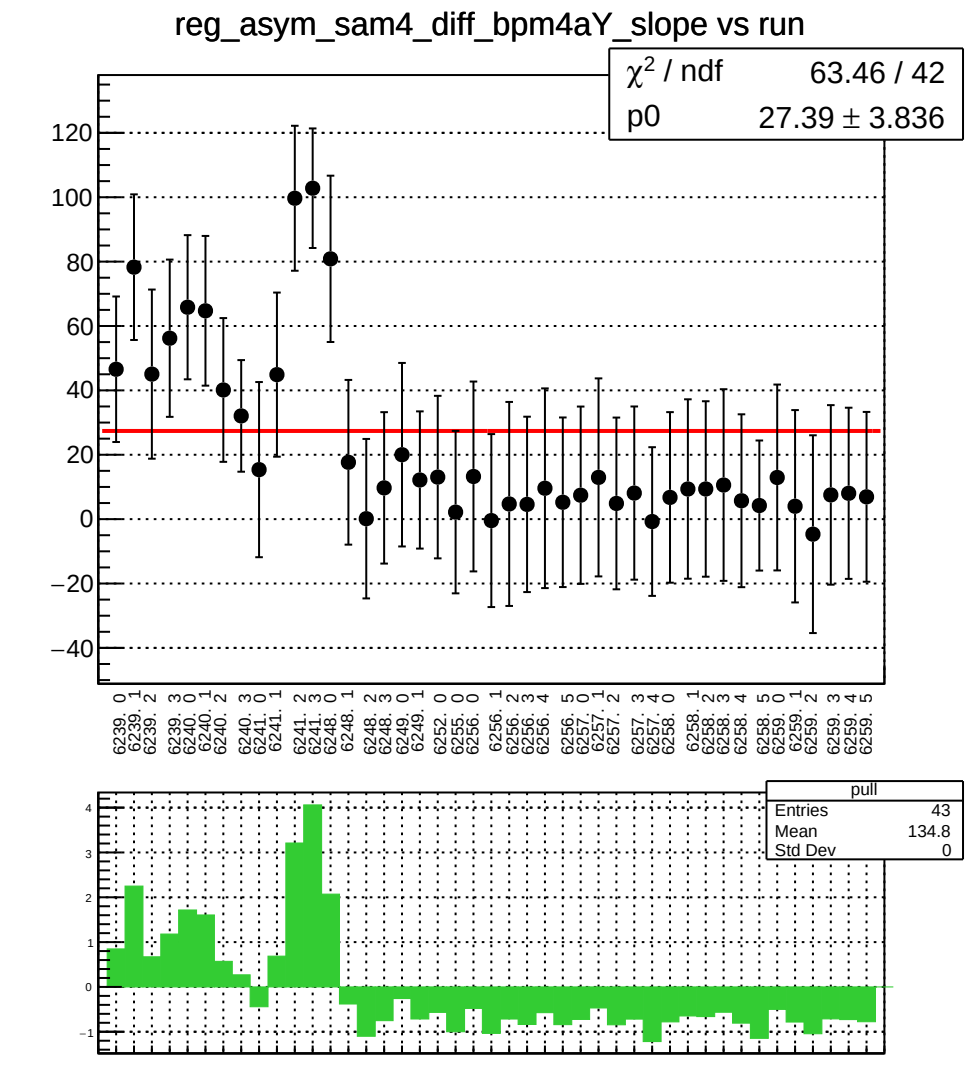

pull1D
Entries 43
Mean 0.0398
Std Dev 0.646
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

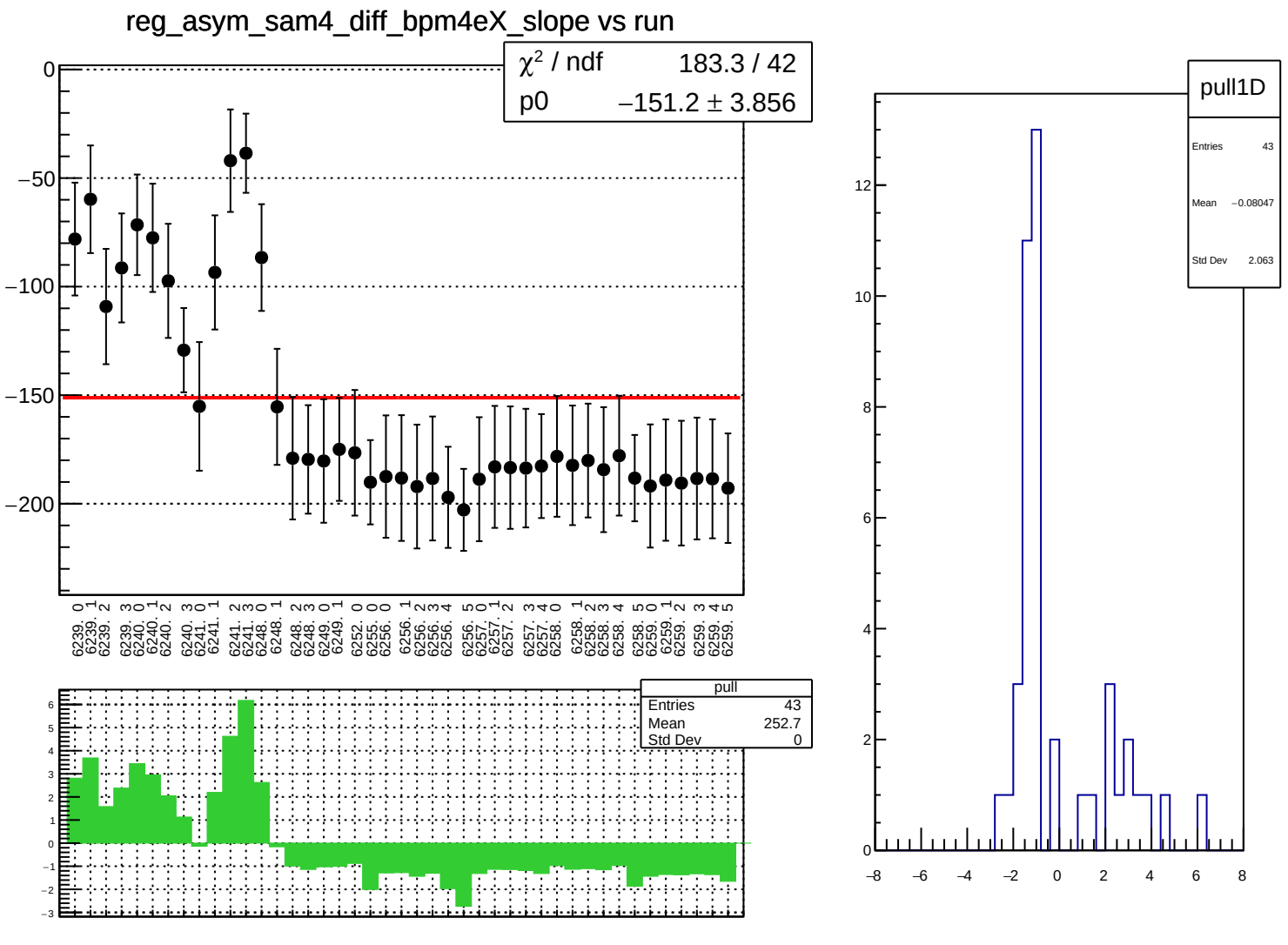

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 34.65 / 42
p0 −0.7969 ± 0.1683
pull
Entries 43
Mean −392.1
Std Dev 0

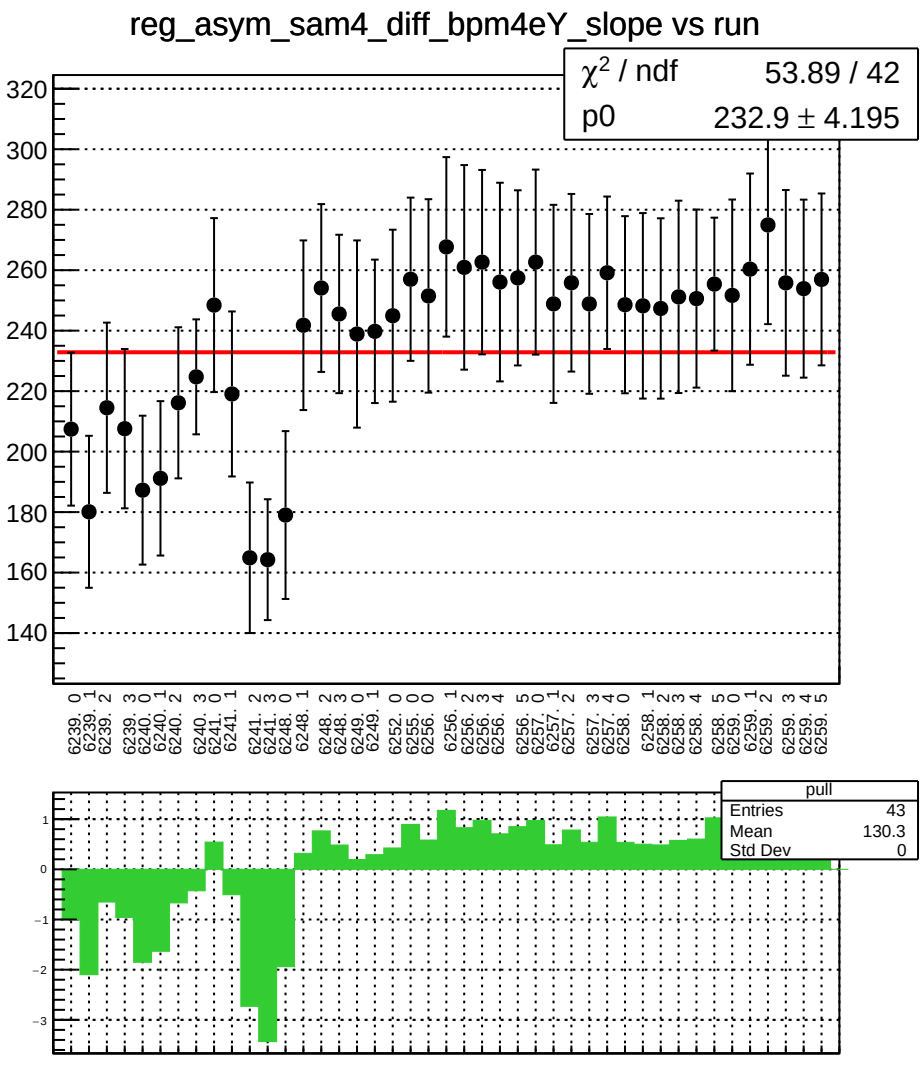

pull1D
Entries 43
Mean −0.01832
Std Dev 0.8975

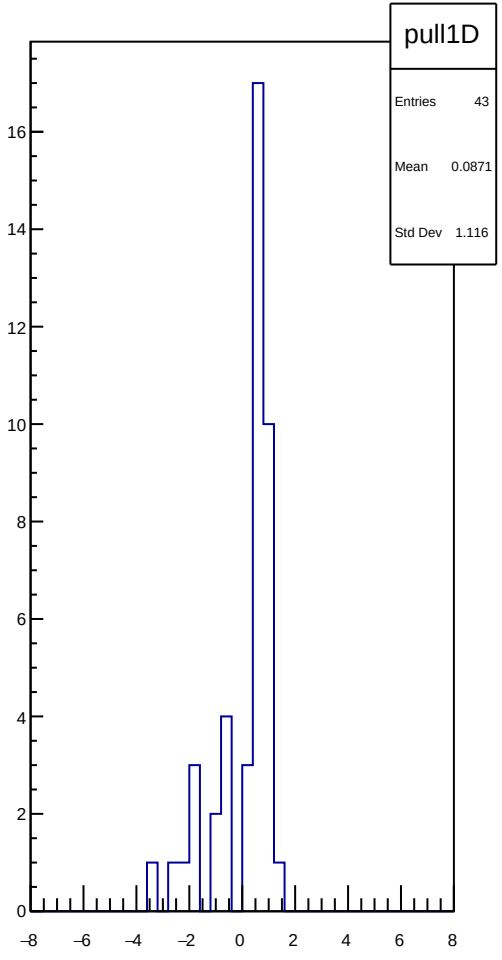

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 201 / 42
p0 −43.99 ± 3.204
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 326.9
Std Dev 0
2
0
−2
−4
−6

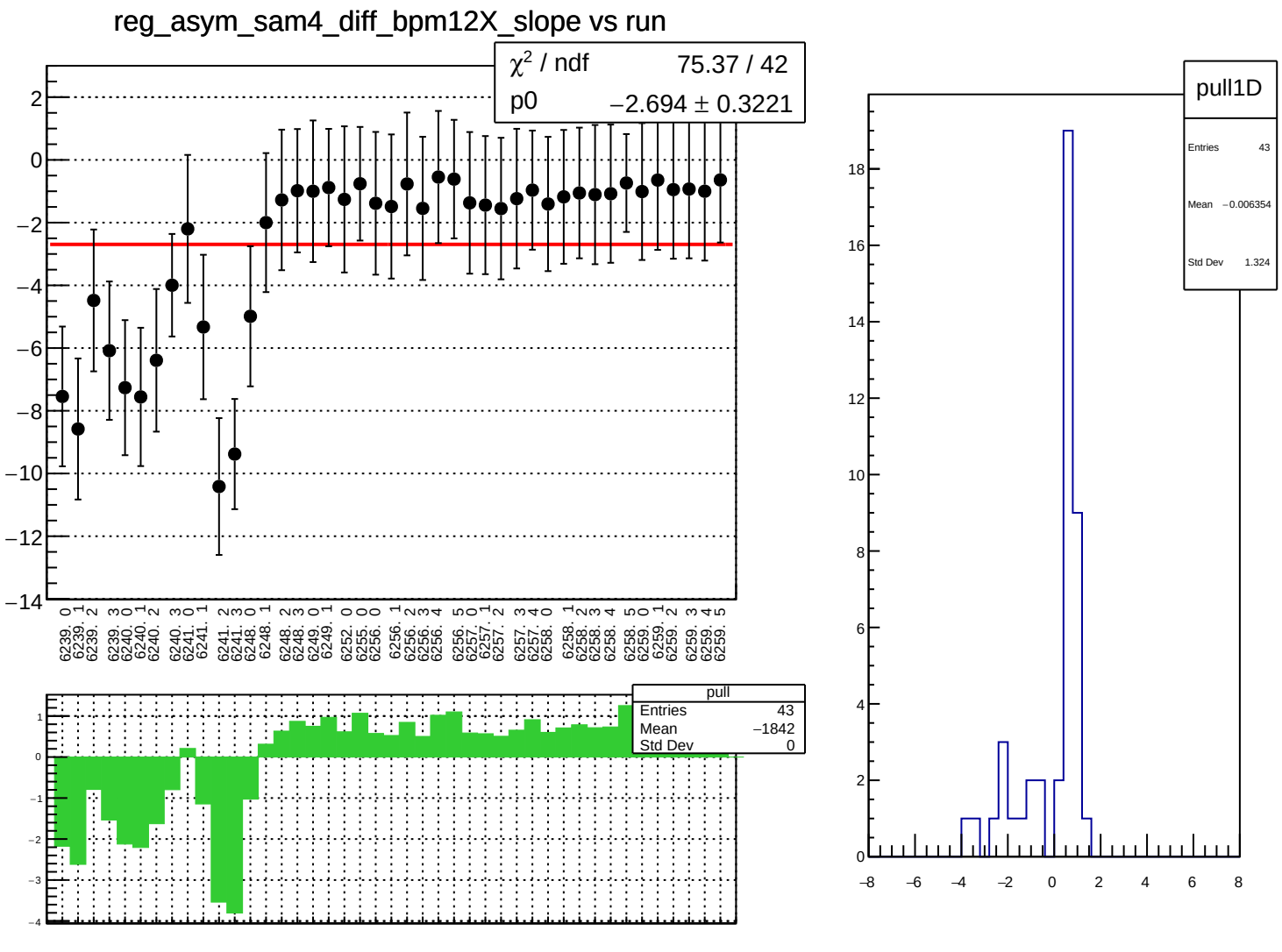

pull1D
Entries 43
Mean 0.06263
Std Dev 2.161
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

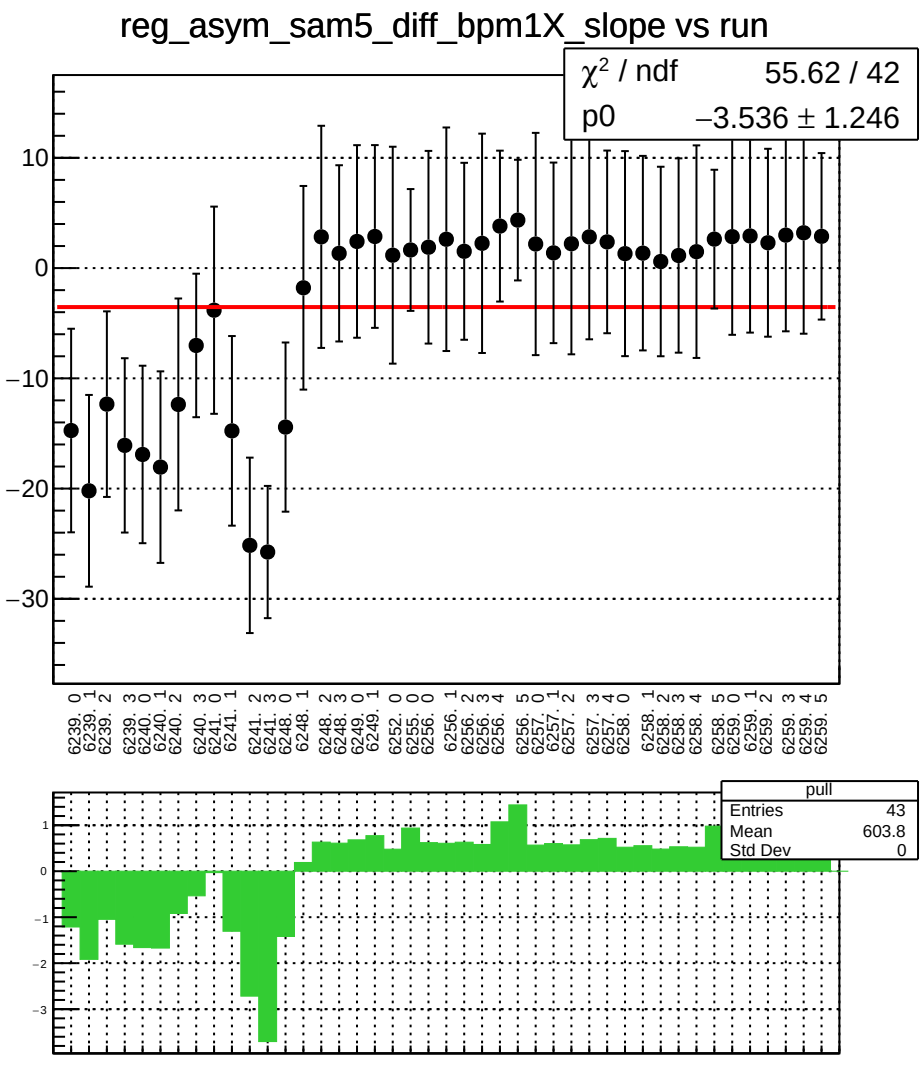

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 63.46 / 42
p0 27.39 ± 3.836
120
100
80
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 134.8
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 43
Mean −0.08562
Std Dev 1.212
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

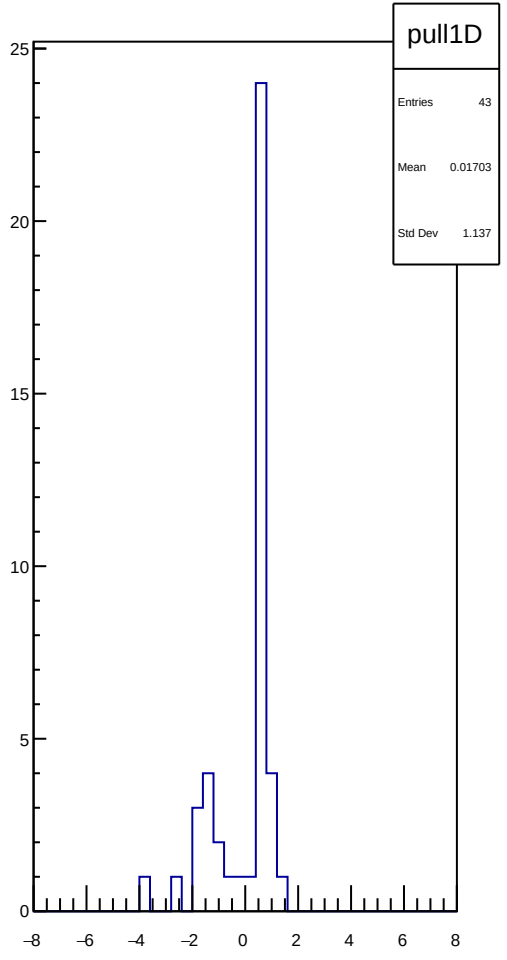

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 183.3 / 42
p0 −151.2 ± 3.856
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 252.7
Std Dev 0
6
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.08047
Std Dev 2.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

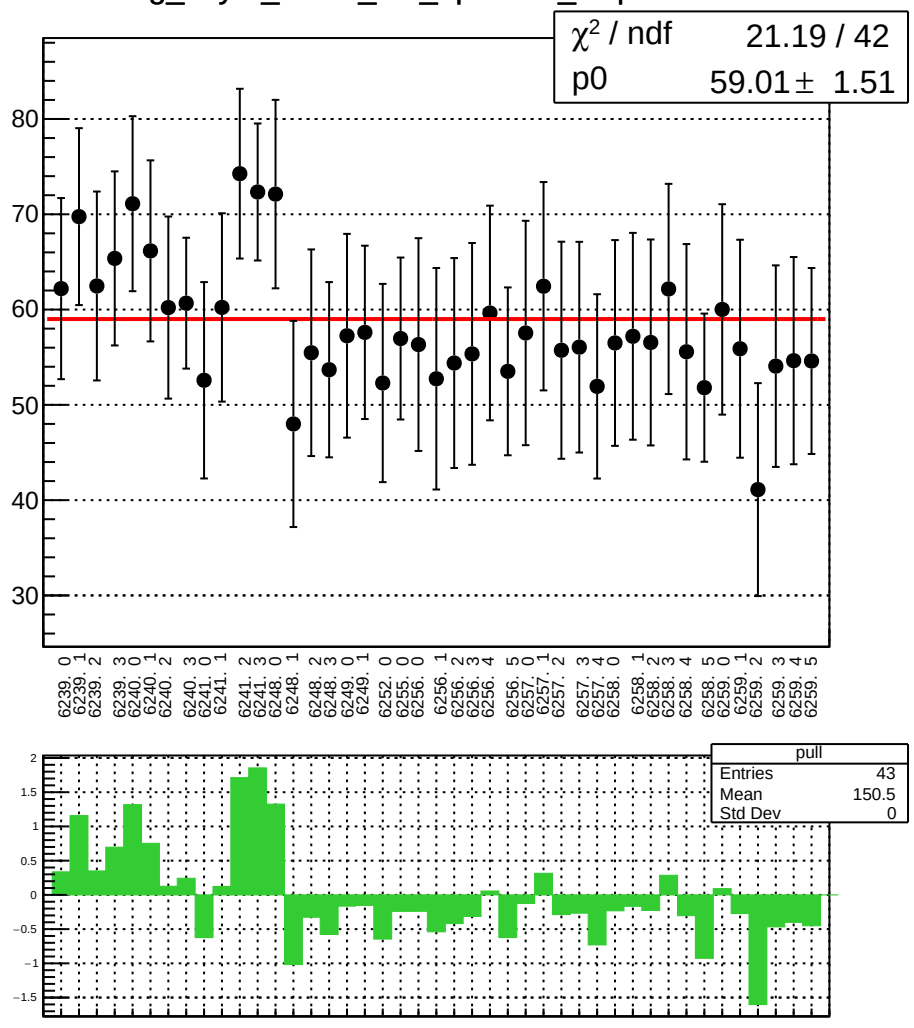

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 53.89 / 42
p0 232.9 ± 4.195
320
300
280
260
240
220
200
180
160
140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 130.3
Std Dev 0
1
0
−1
−2
−3

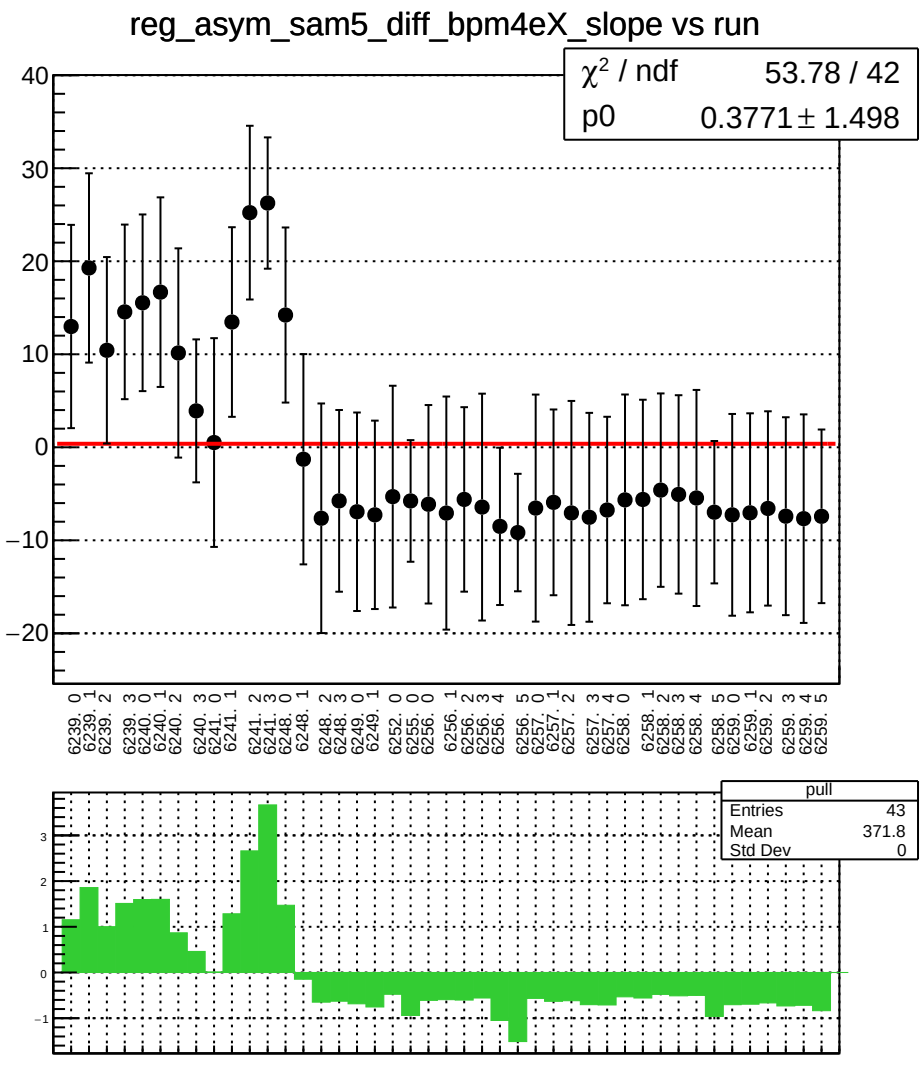

pull1D
Entries 43
Mean 0.0871
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

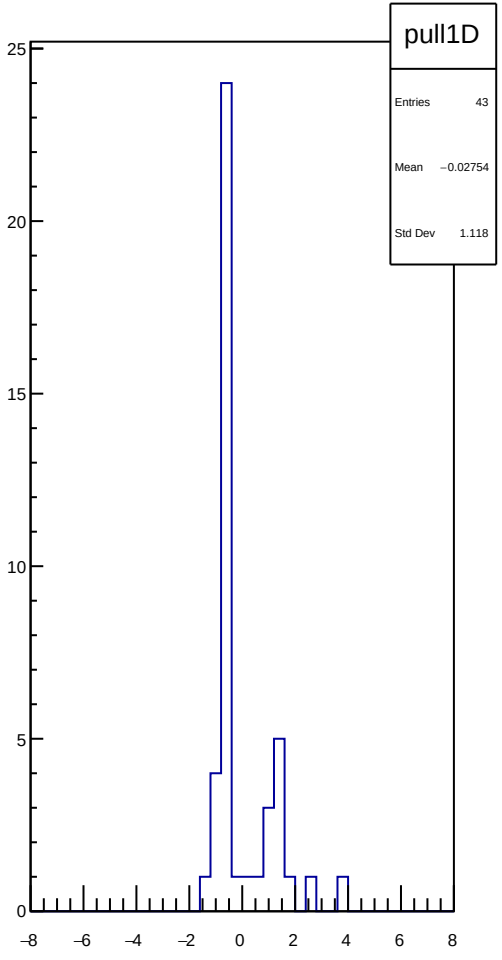

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 75.37 / 42
p0 −2.694 ± 0.3221
pull
Entries 43
Mean −1842
Std Dev 0
pull1D
Entries 43
Mean −0.006354
Std Dev 1.324

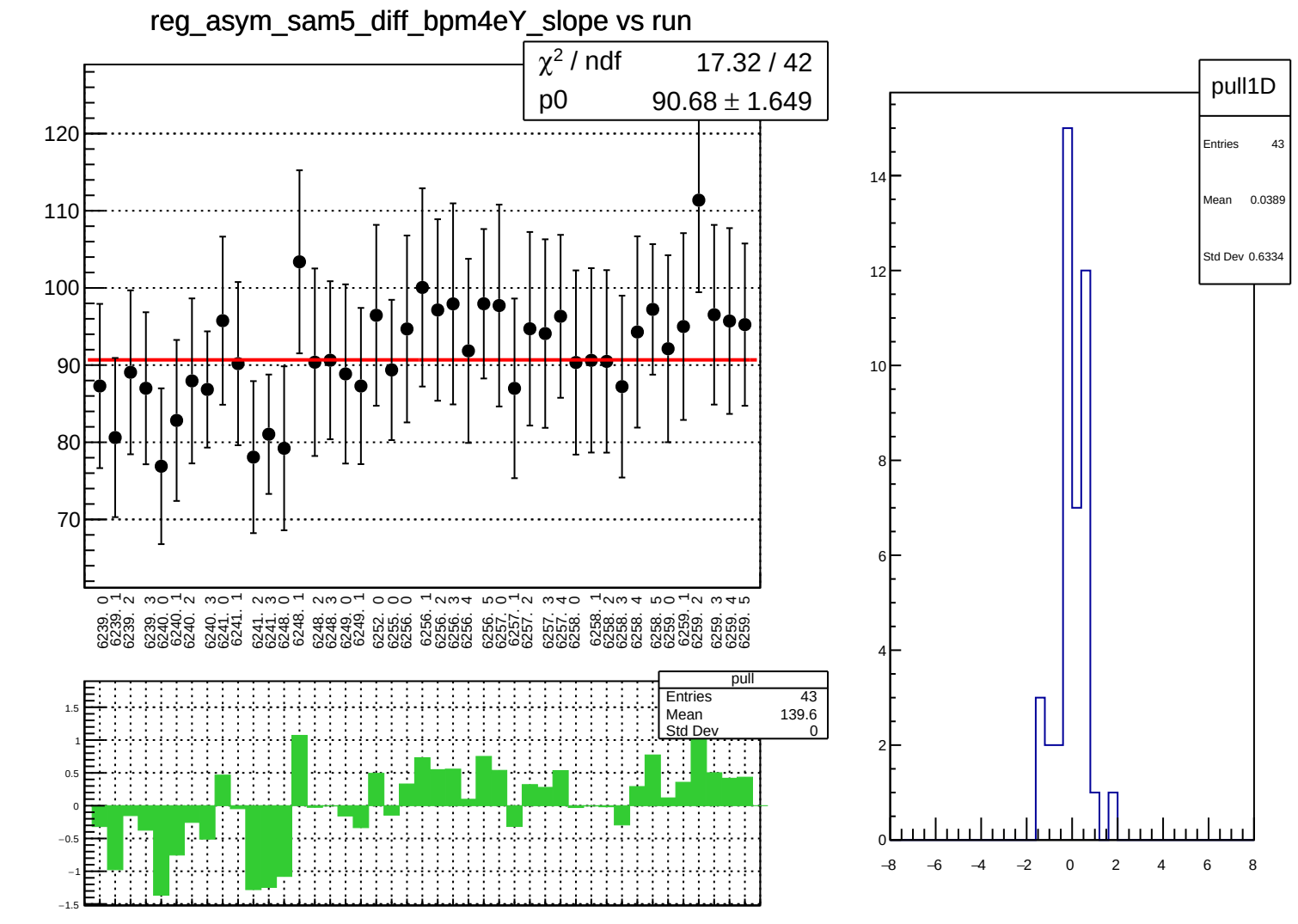

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 55.62 / 42
p0 −3.536 ± 1.246
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 603.8
Std Dev 0
1
0
−1
−2
−3

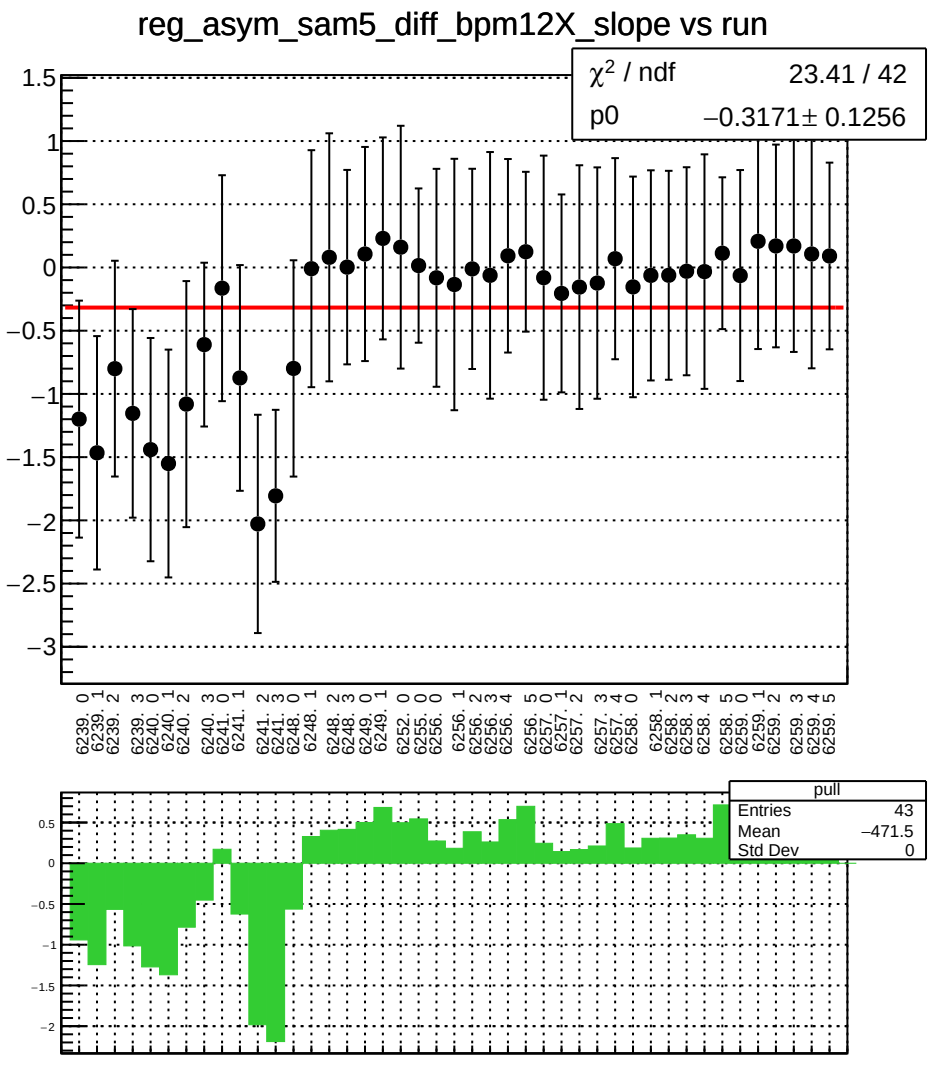

pull1D
Entries 43
Mean 0.01703
Std Dev 1.137
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

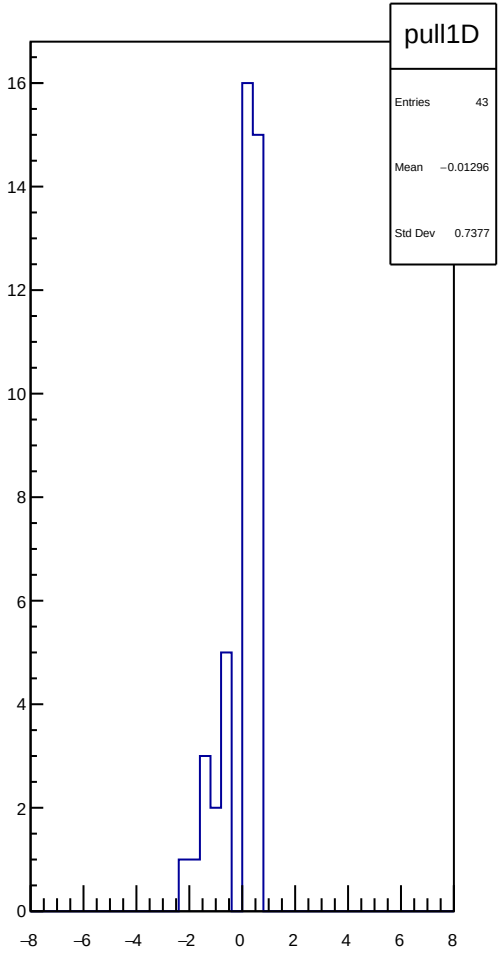

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 21.19 / 42
p0 59.01 ± 1.51
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 150.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.03719
Std Dev 0.701
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

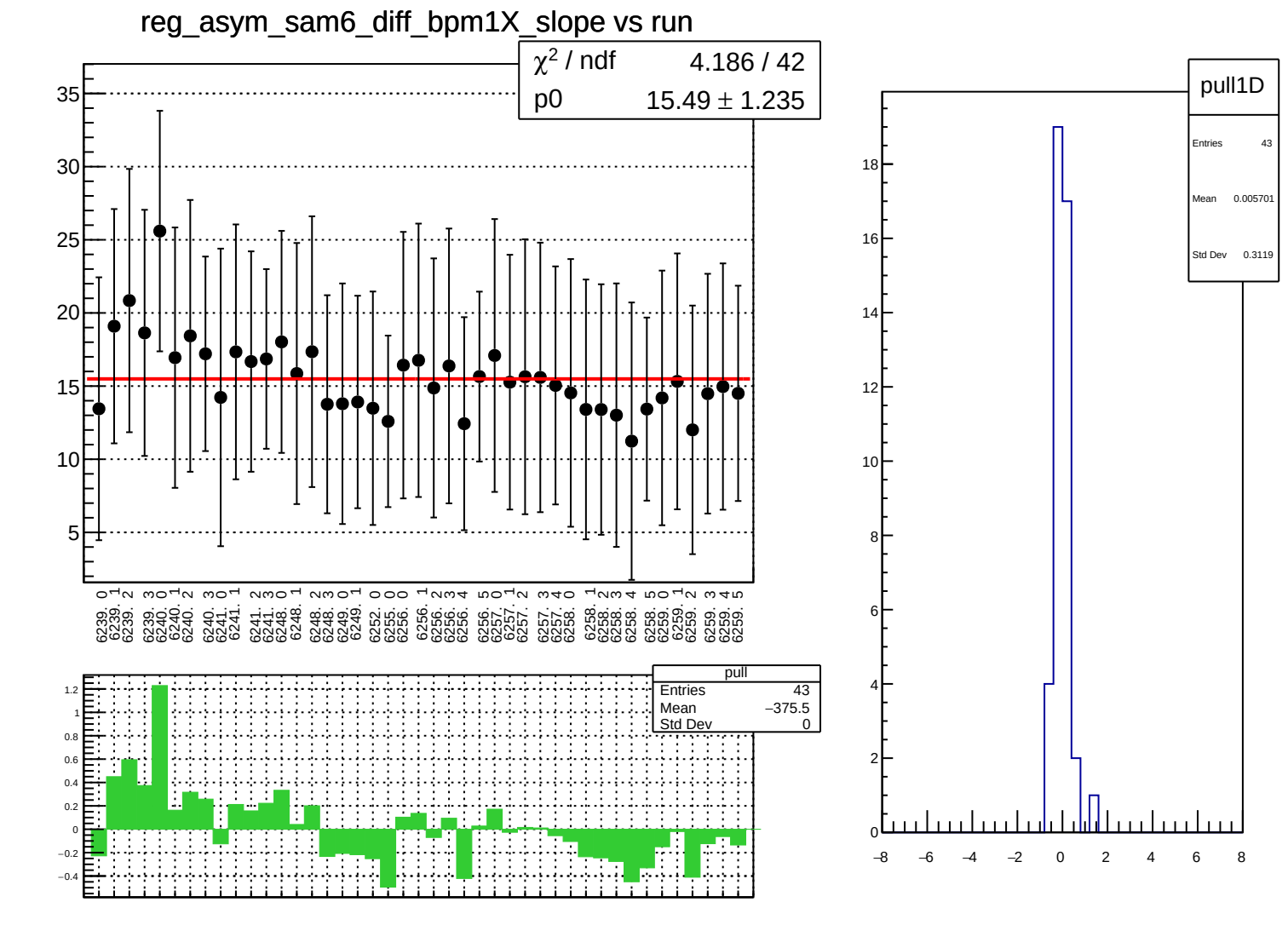

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 53.78 / 42
p0 0.3771 ± 1.498
pull
Entries 43
Mean 371.8
Std Dev 0

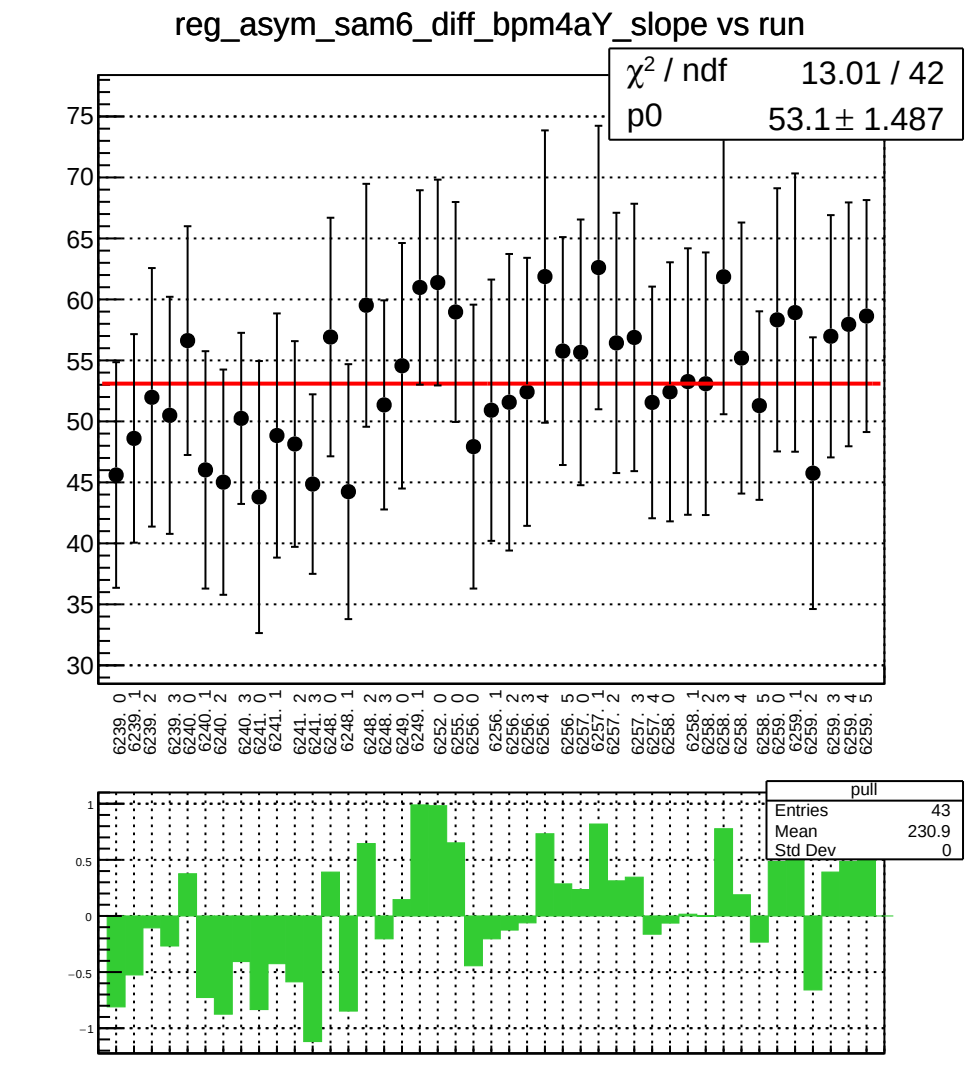

pull1D
Entries 43
Mean −0.02754
Std Dev 1.118

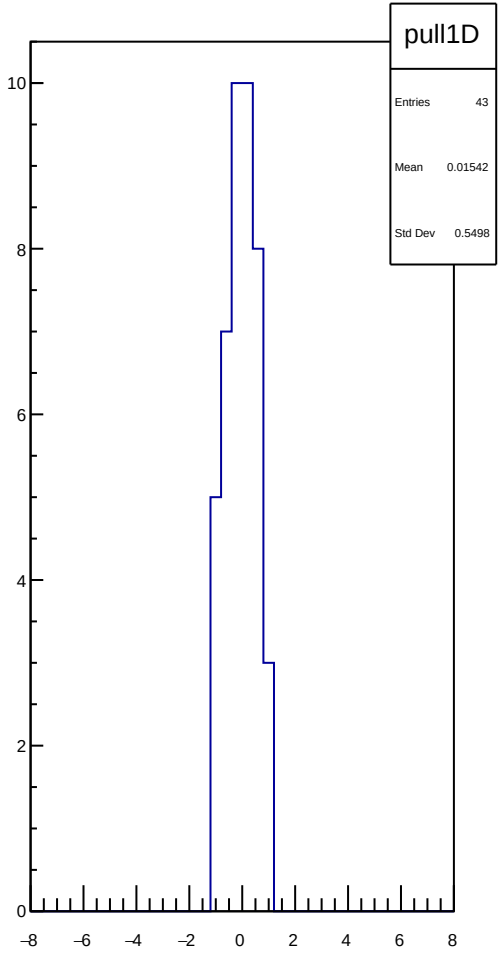

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 17.32 / 42
p0 90.68 ± 1.649
120
110
100
90
80
70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 139.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.0389
Std Dev 0.6334
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

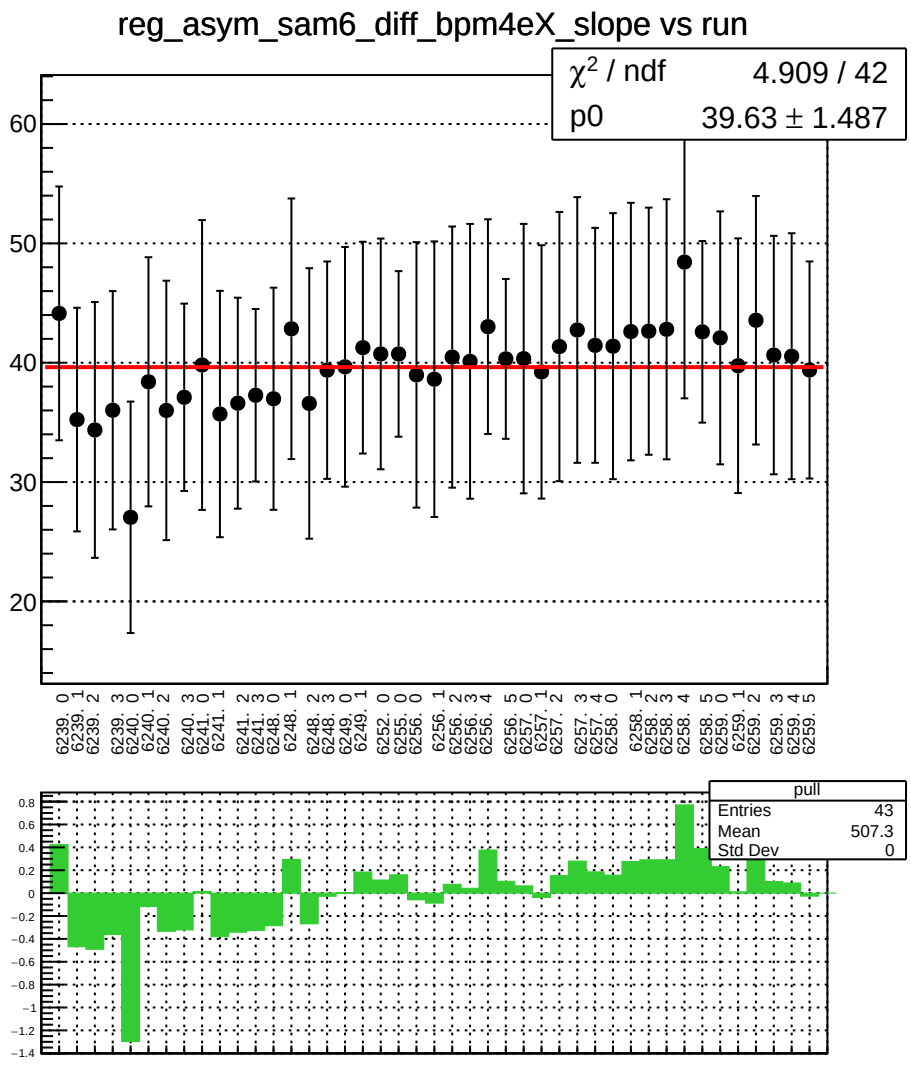

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 23.41 / 42
p0 −0.3171± 0.1256
pull
Entries 43
Mean −471.5
Std Dev 0

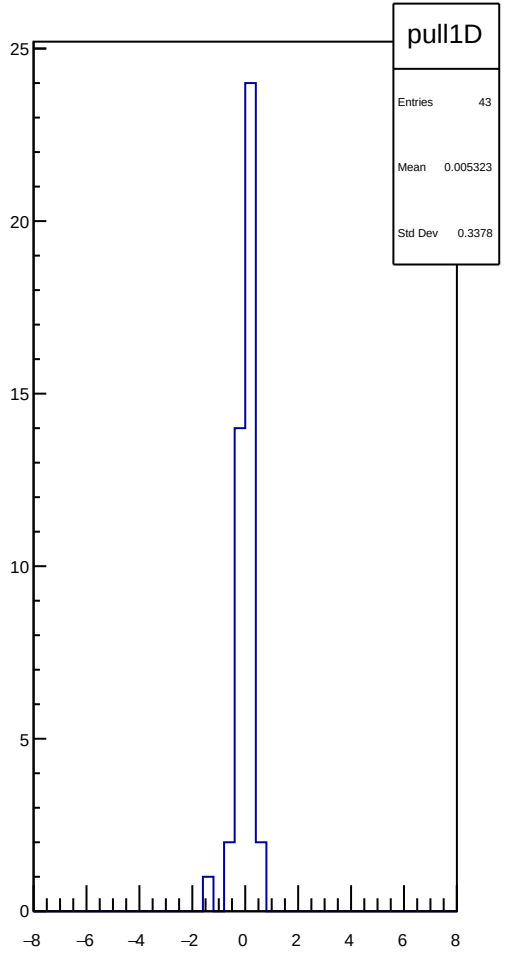

pull1D
Entries 43
Mean −0.01296
Std Dev 0.7377

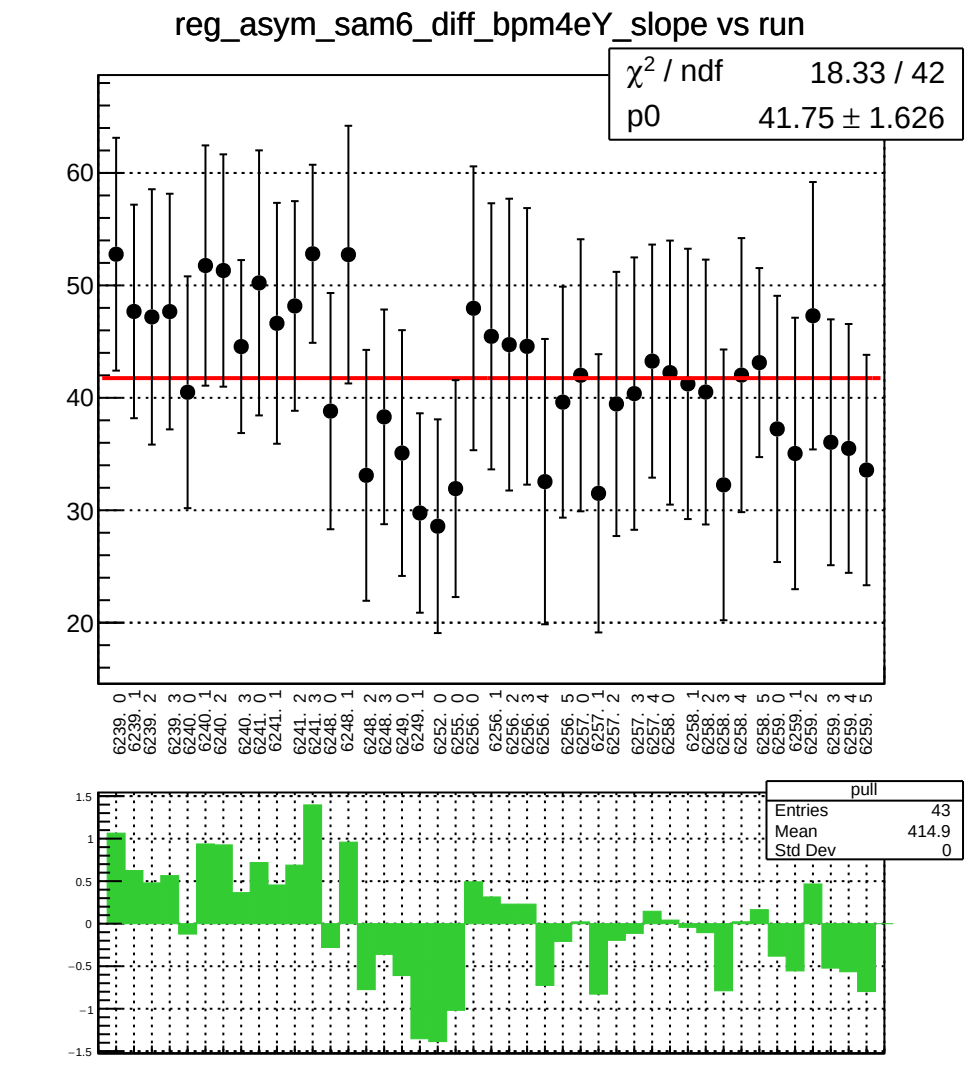

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 4.186 / 42
p0 15.49 ± 1.235
pull
Entries 43
Mean −375.5
Std Dev 0
pull1D
Entries 43
Mean 0.005701
Std Dev 0.3119

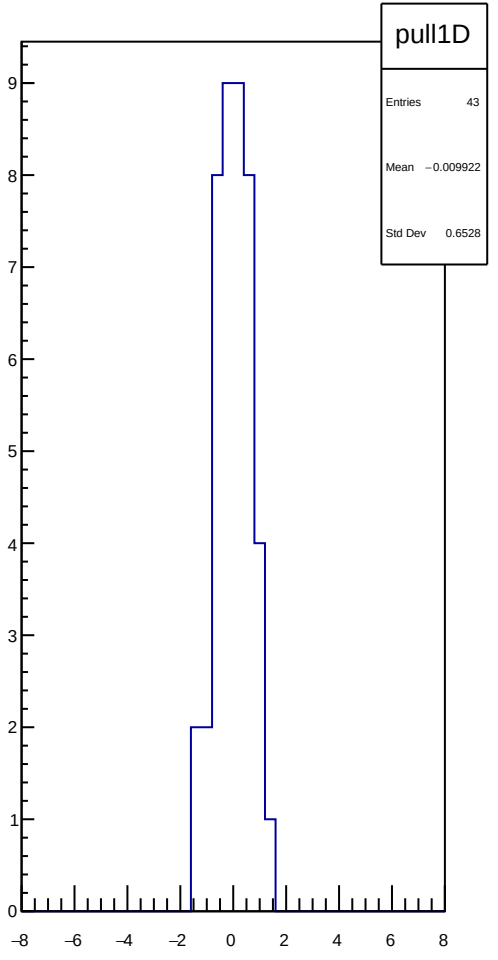

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 13.01 / 42
p0 53.1 ± 1.487
pull
Entries 43
Mean 230.9
Std Dev 0

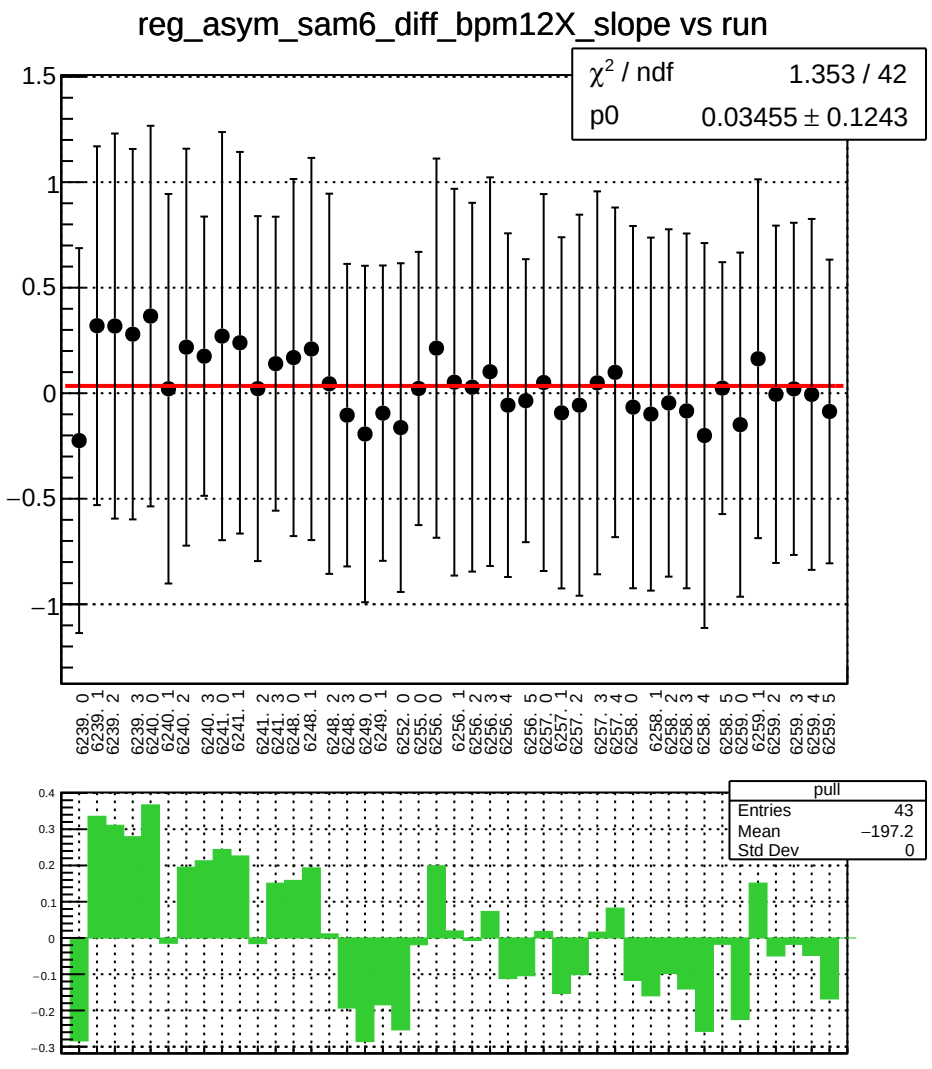

pull1D
Entries 43
Mean 0.01542
Std Dev 0.5498

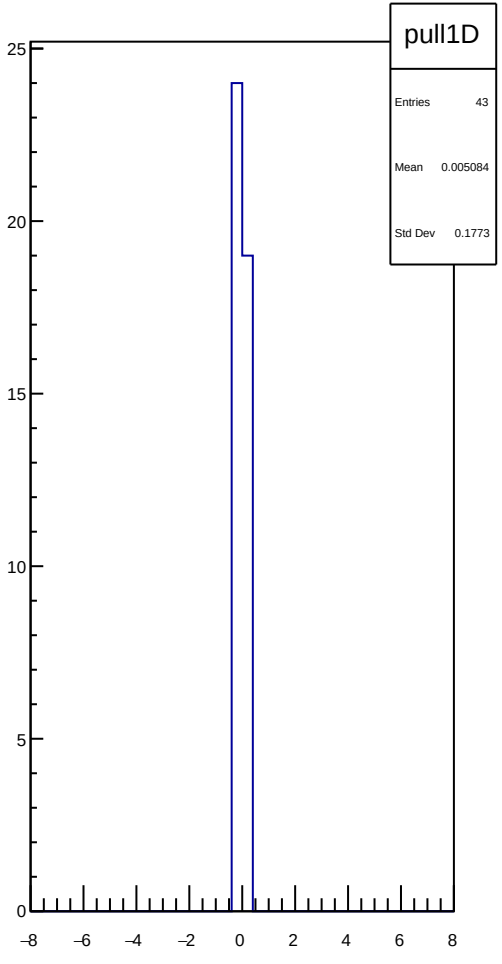

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.909 / 42
p0 39.63 ± 1.487
pull
Entries 43
Mean 507.3
Std Dev 0

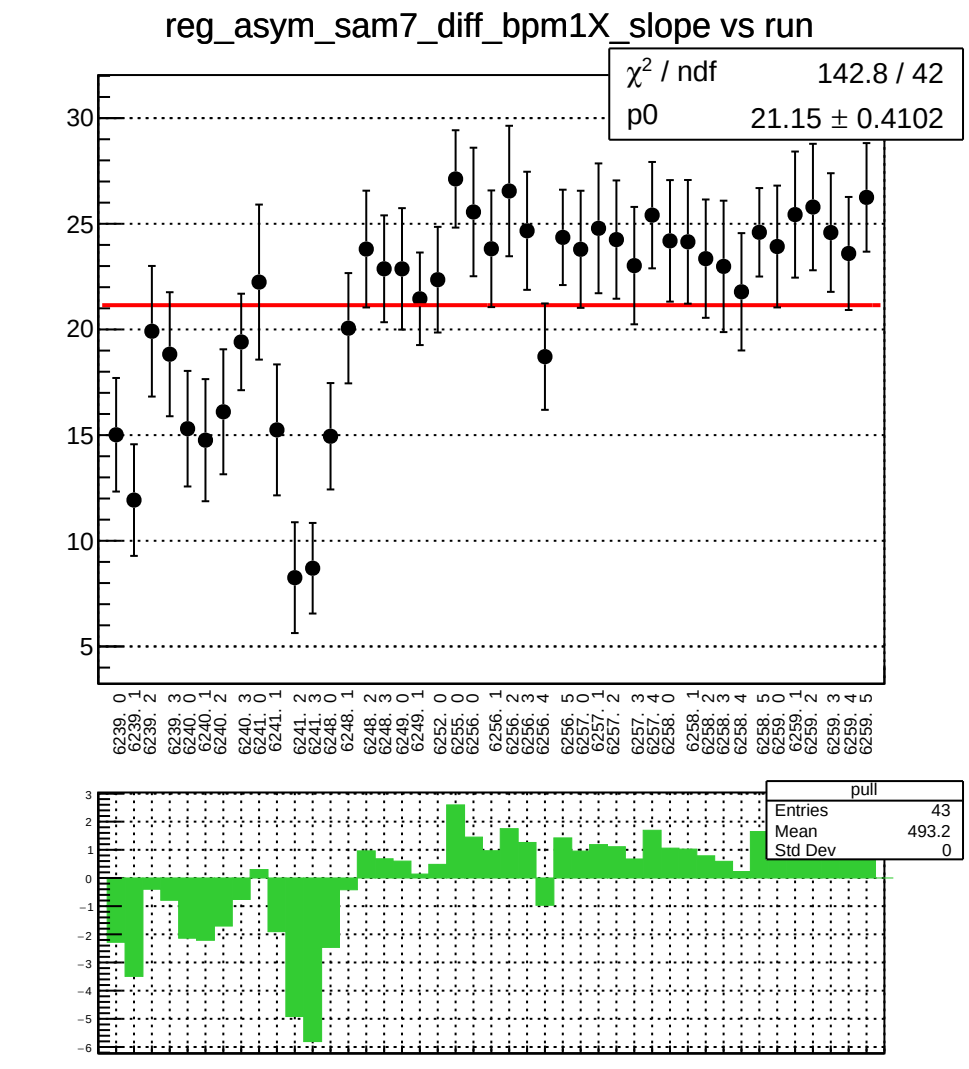

pull1D
Entries 43
Mean 0.005323
Std Dev 0.3378

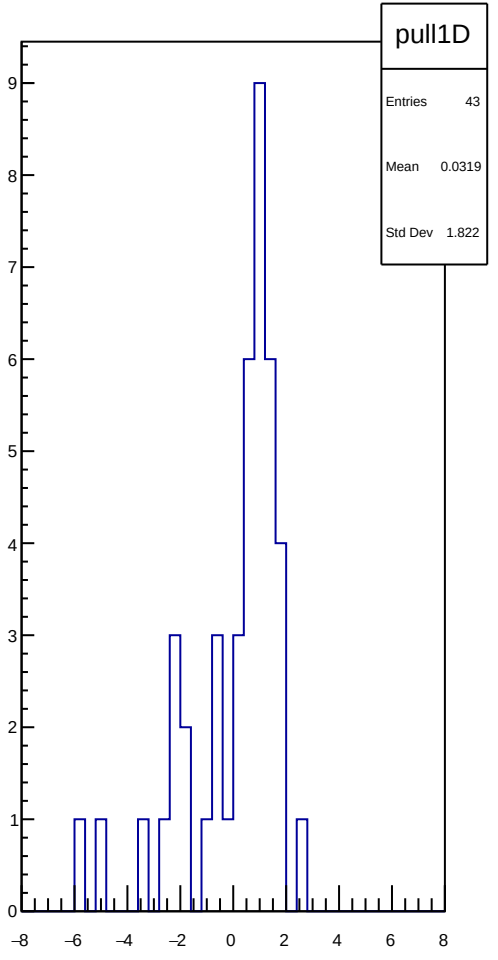

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 18.33 / 42
p0 41.75 ± 1.626
60
50
40
30
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 414.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

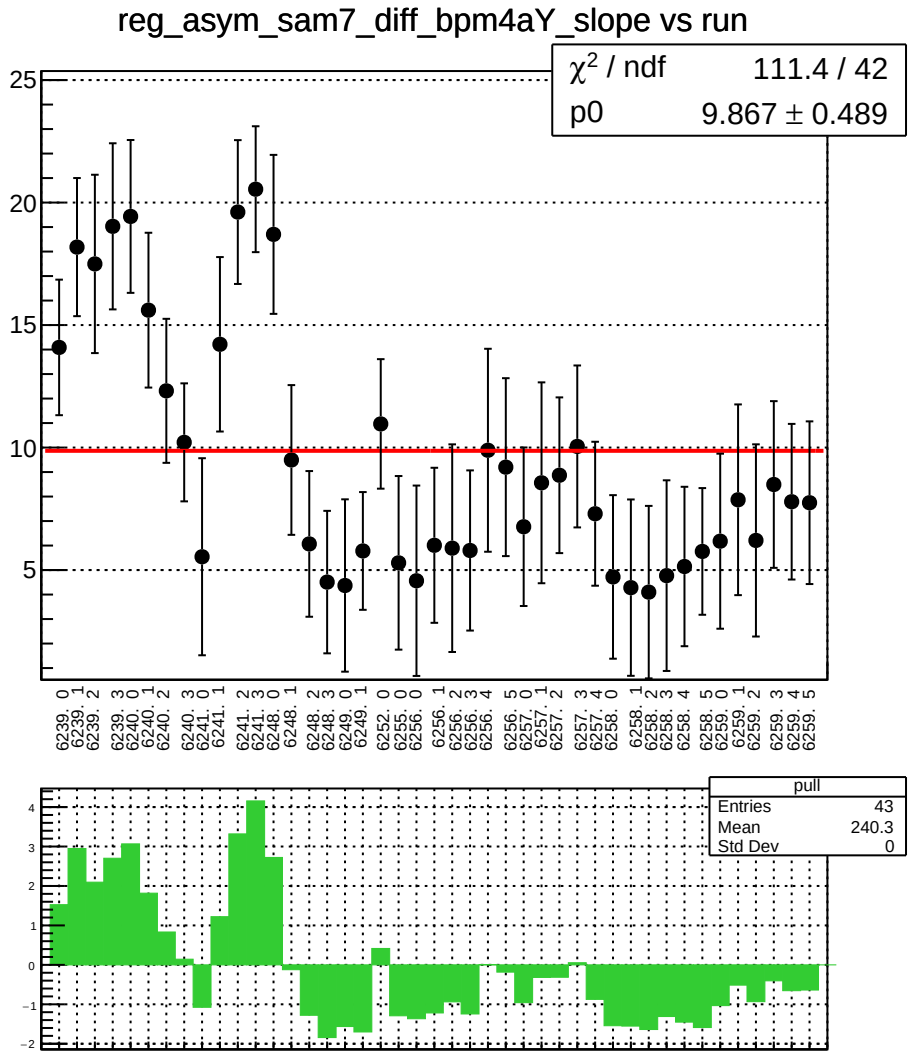

pull1D
Entries 43
Mean −0.009922
Std Dev 0.6528
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

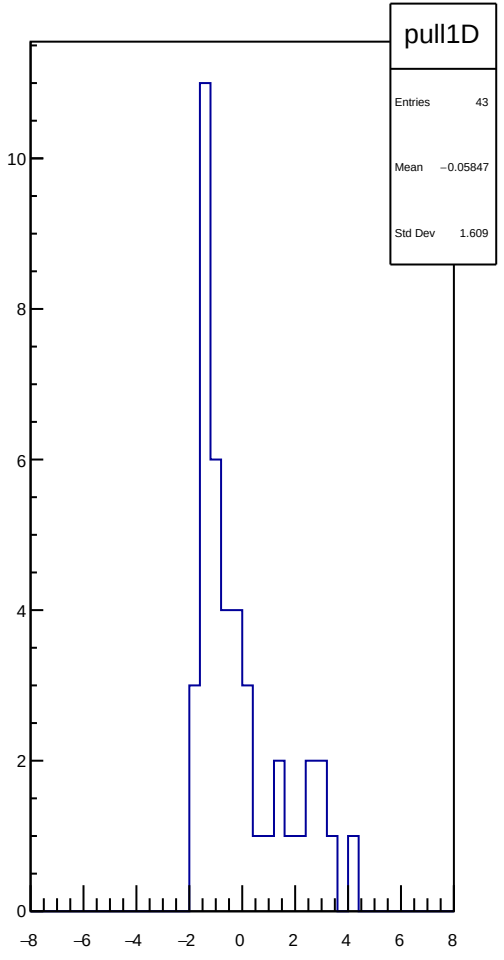

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.353 / 42
p0 0.03455 ± 0.1243
pull
Entries 43
Mean −197.2
Std Dev 0

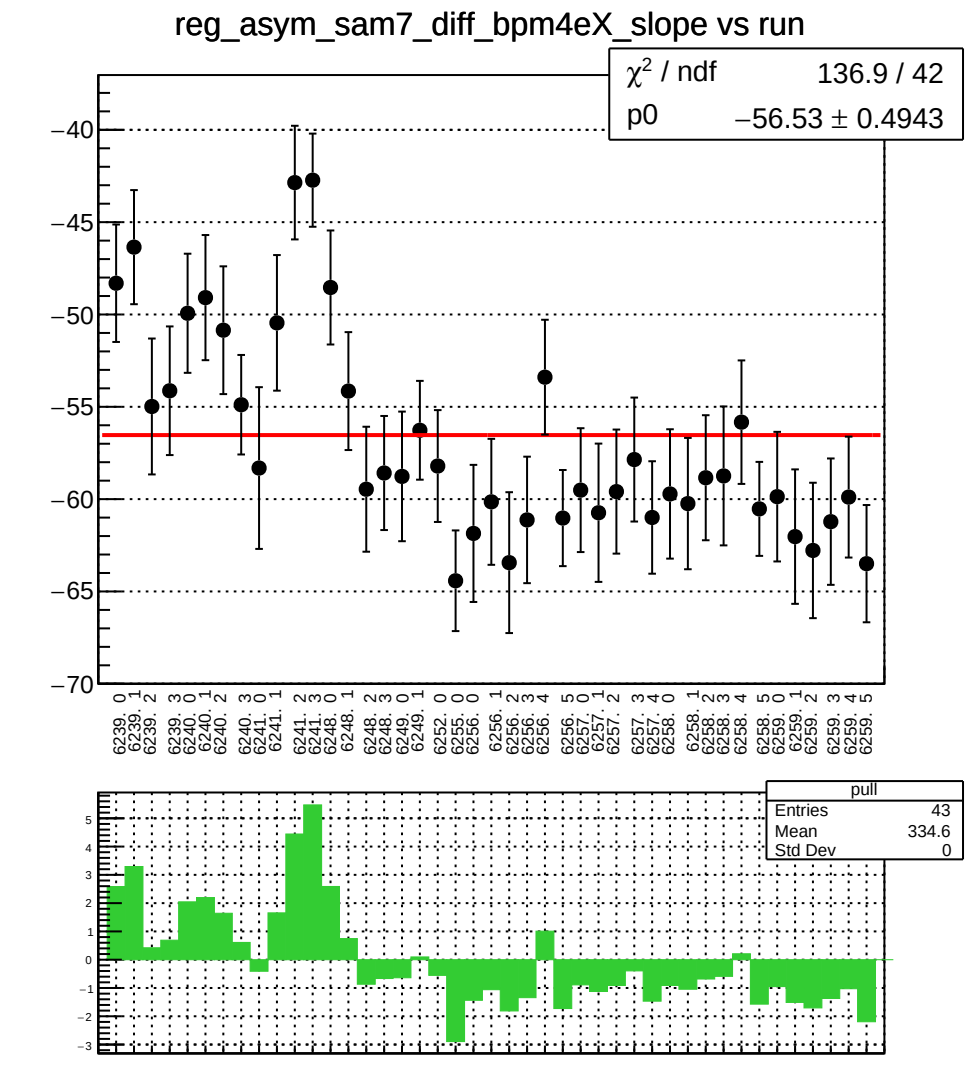

pull1D
Entries 43
Mean 0.005084
Std Dev 0.1773

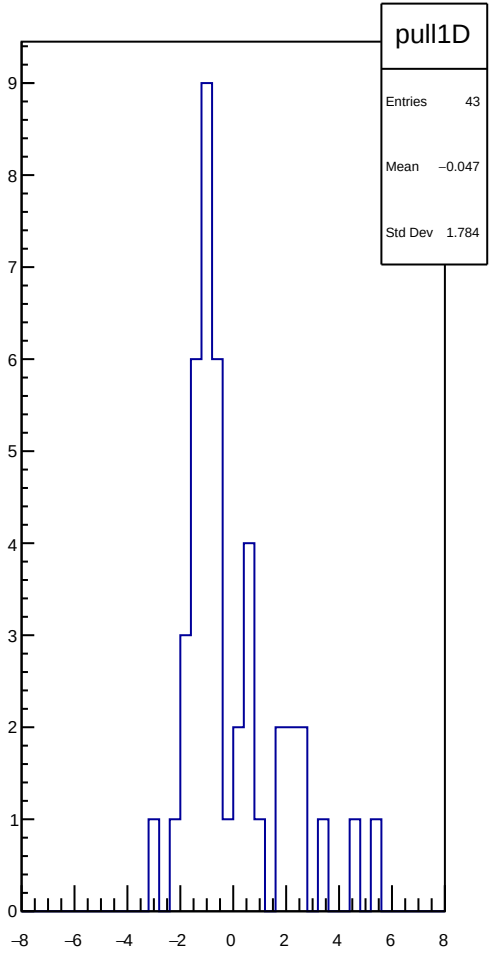

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 142.8 / 42
p0 21.15 ± 0.4102
30
25
20
15
10
5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 493.2
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5
−6

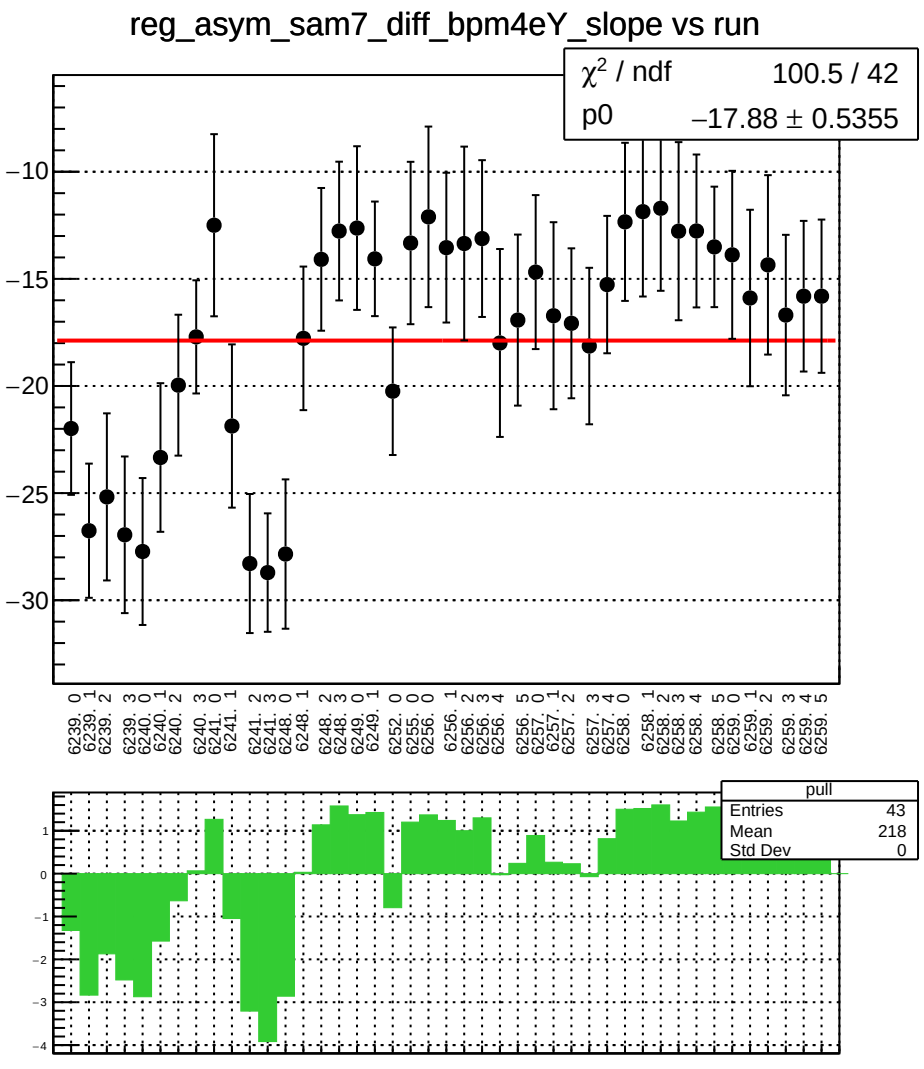

pull1D
Entries 43
Mean 0.0319
Std Dev 1.822
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

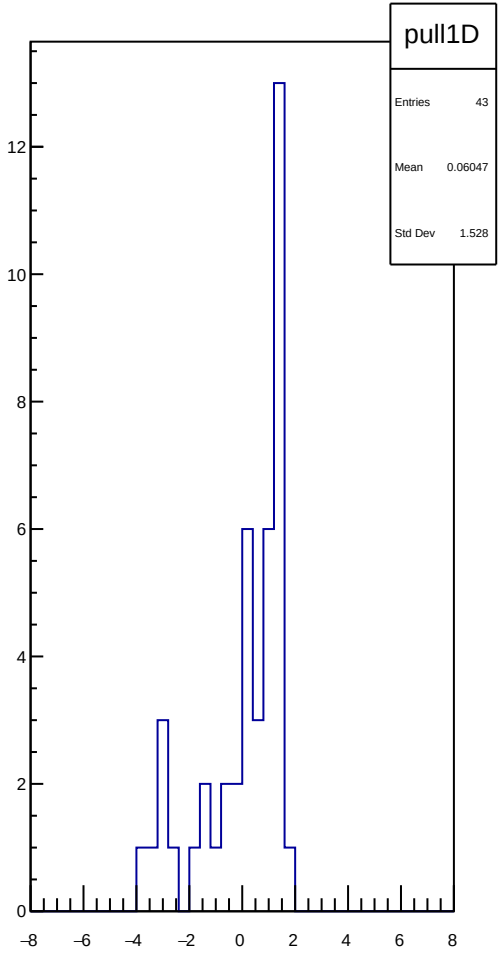

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 111.4 / 42
p0 9.867 ± 0.489
pull
Entries 43
Mean 240.3
Std Dev 0

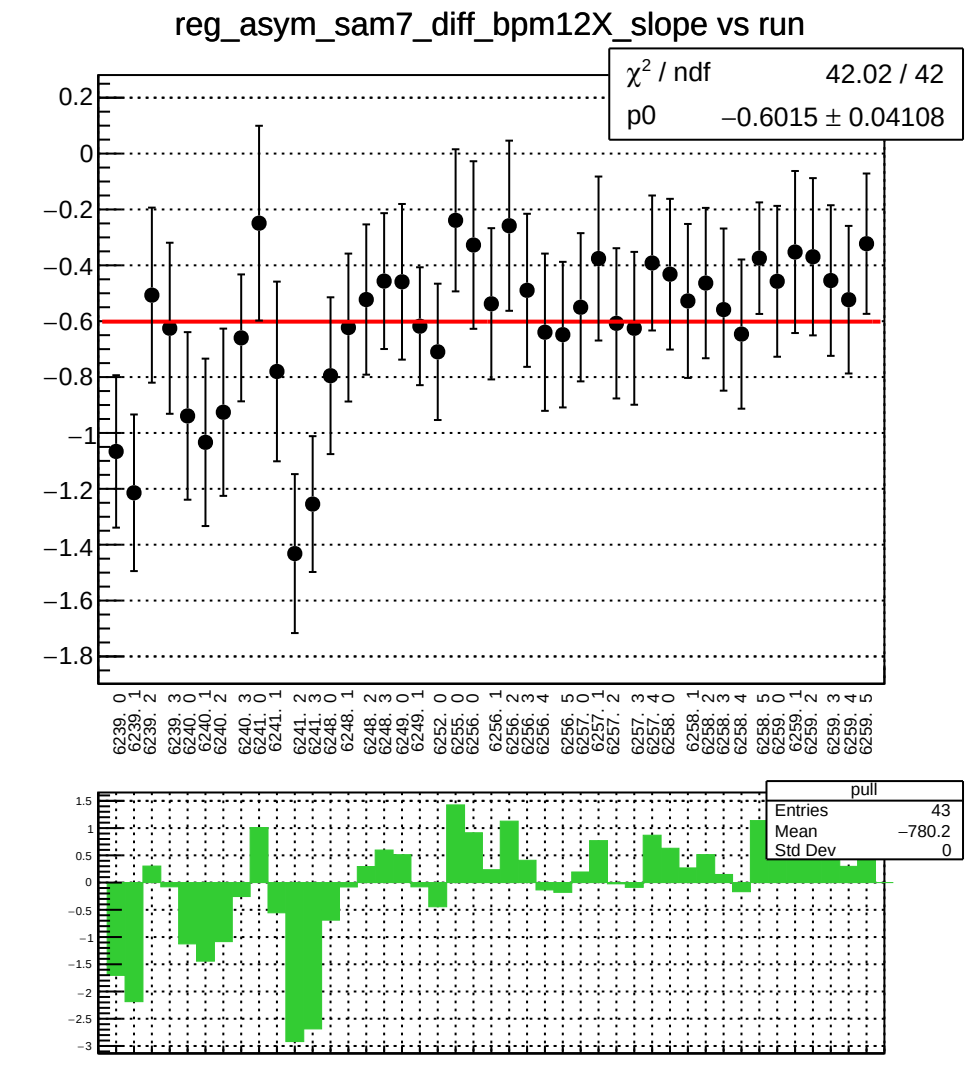

pull1D
Entries 43
Mean −0.05847
Std Dev 1.609

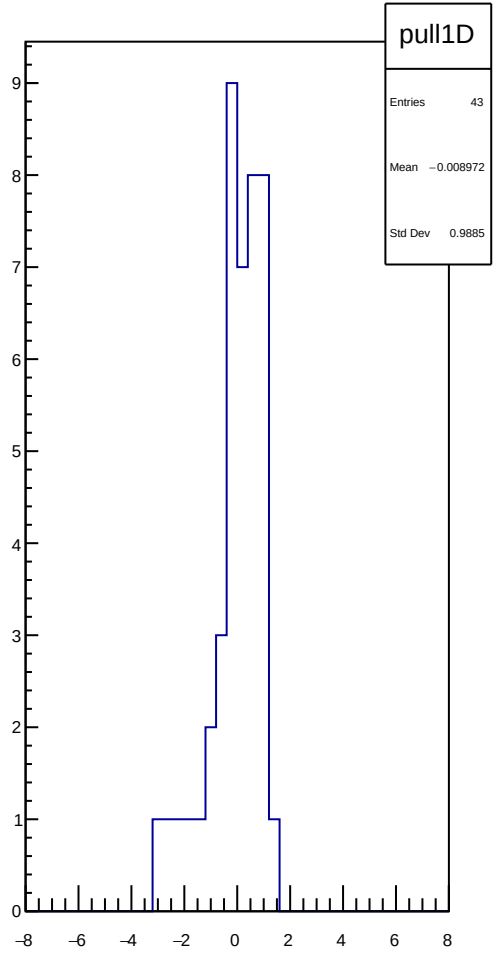

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 136.9 / 42
p0 −56.53 ± 0.4943
−40
−45
−50
−55
−60
−65
−70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 334.6
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

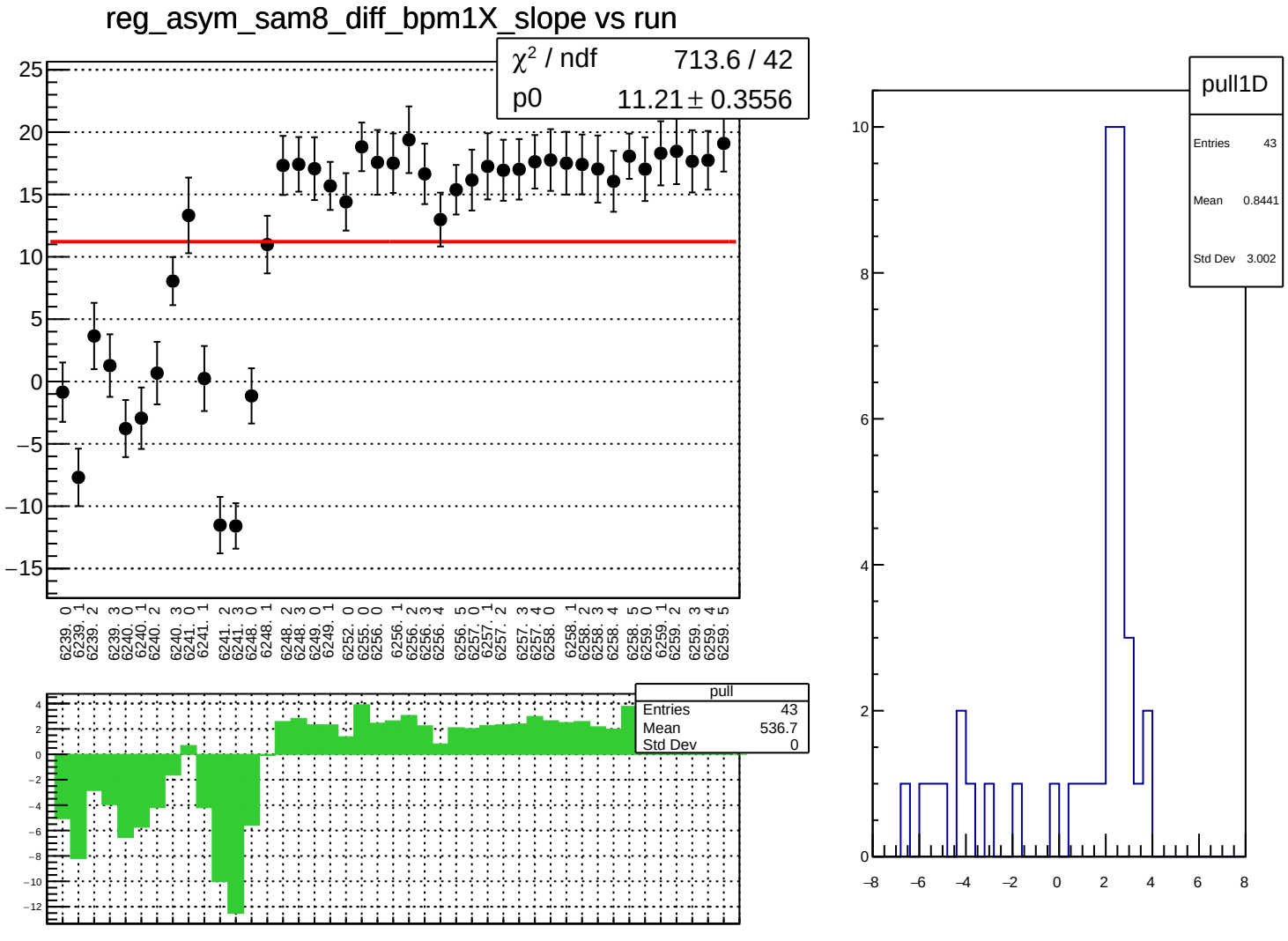

pull1D
Entries 43
Mean −0.047
Std Dev 1.784
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

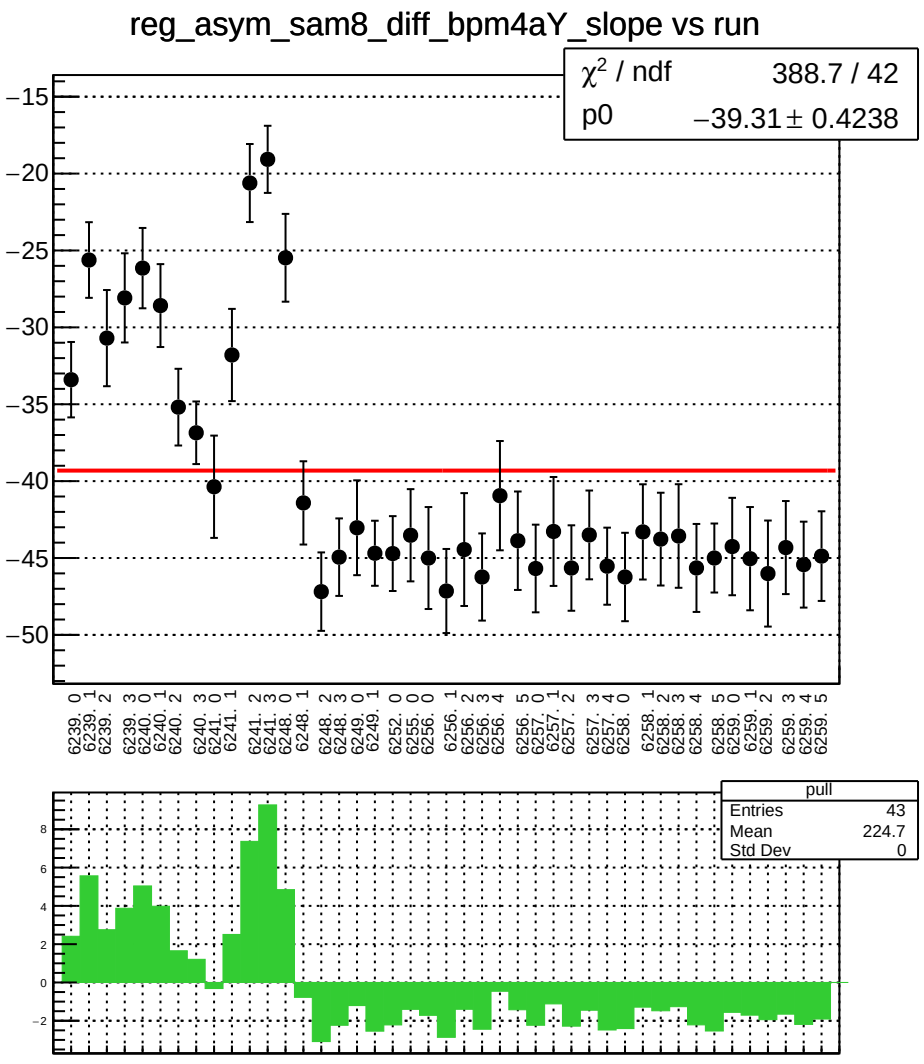

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 100.5 / 42
p0 −17.88 ± 0.5355
−10
−15
−20
−25
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 218
Std Dev 0
1
0
−1
−2
−3
−4

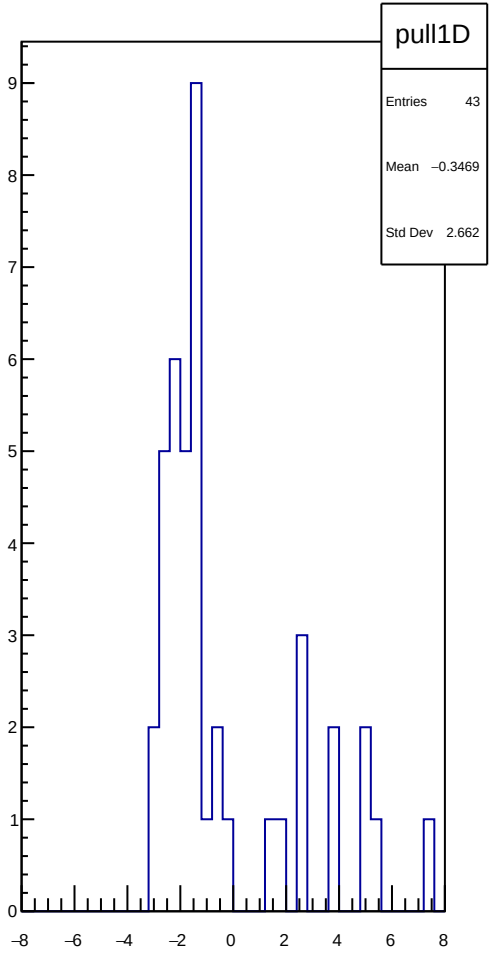

pull1D
Entries 43
Mean 0.06047
Std Dev 1.528
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

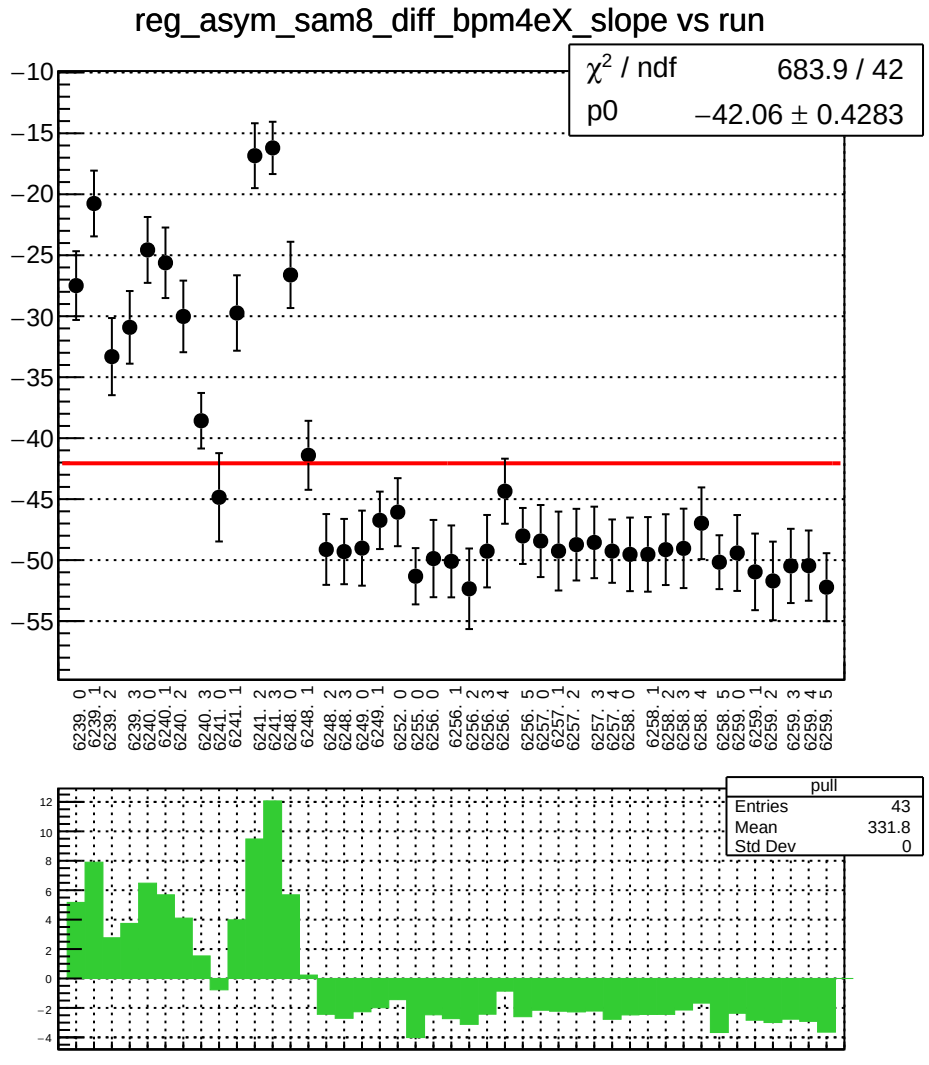

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 42.02 / 42
p0 −0.6015 ± 0.04108
pull
Entries 43
Mean −780.2
Std Dev 0

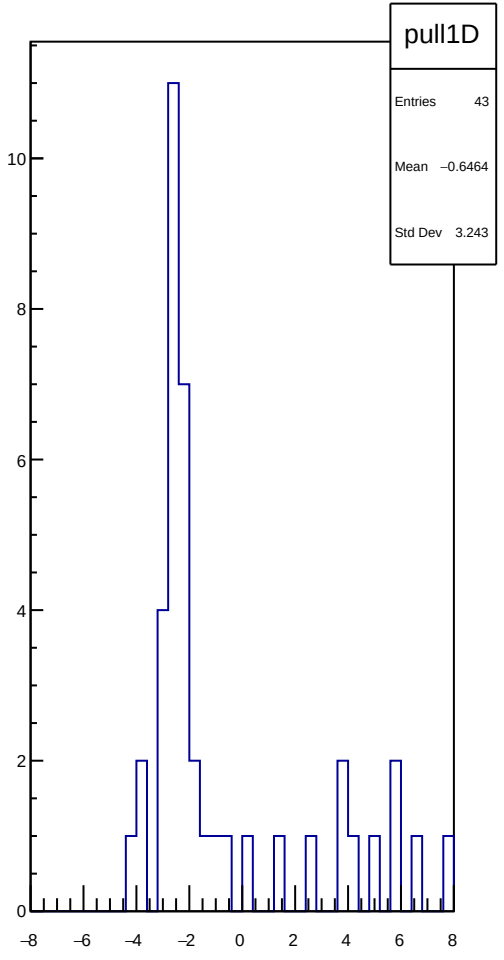

pull1D
Entries 43
Mean −0.008972
Std Dev 0.9885

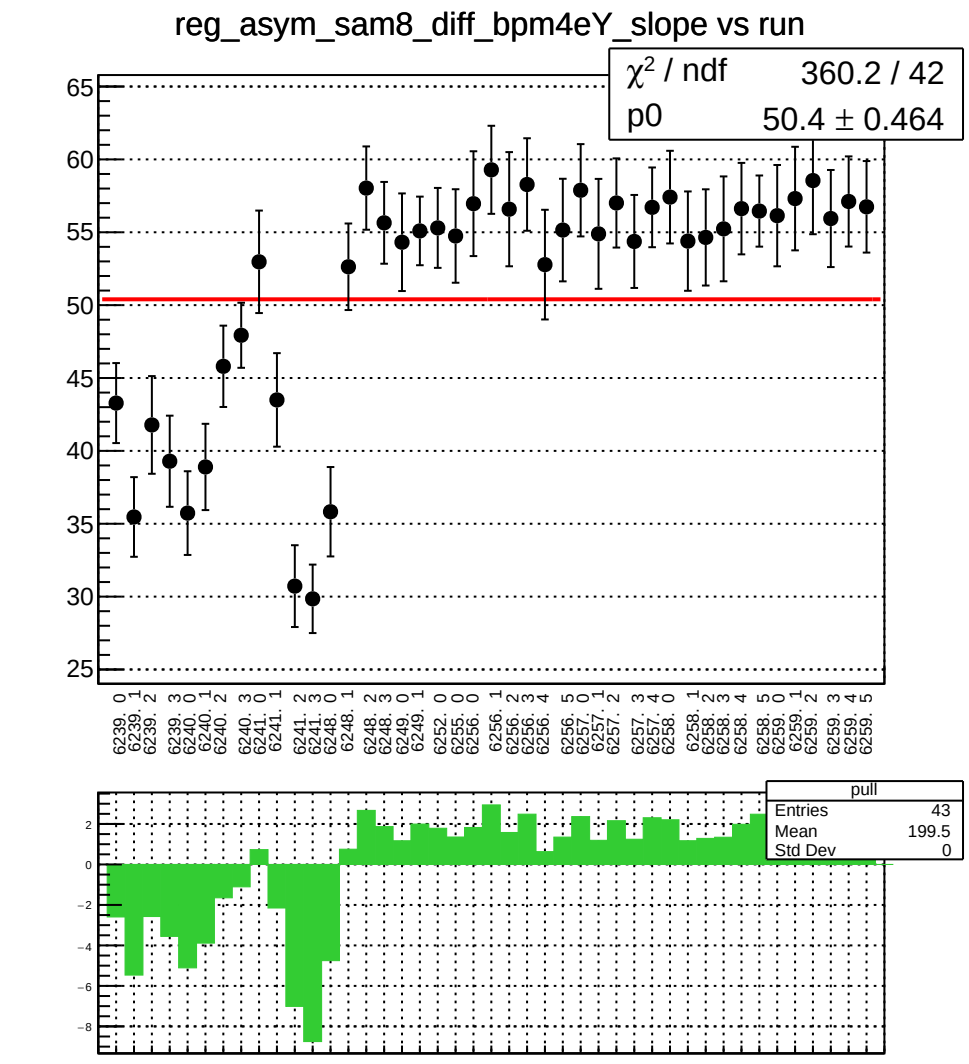

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 713.6 / 42
p0 11.21 ± 0.3556
pull
Entries 43
Mean 536.7
Std Dev 0
pull1D
Entries 43
Mean 0.8441
Std Dev 3.002

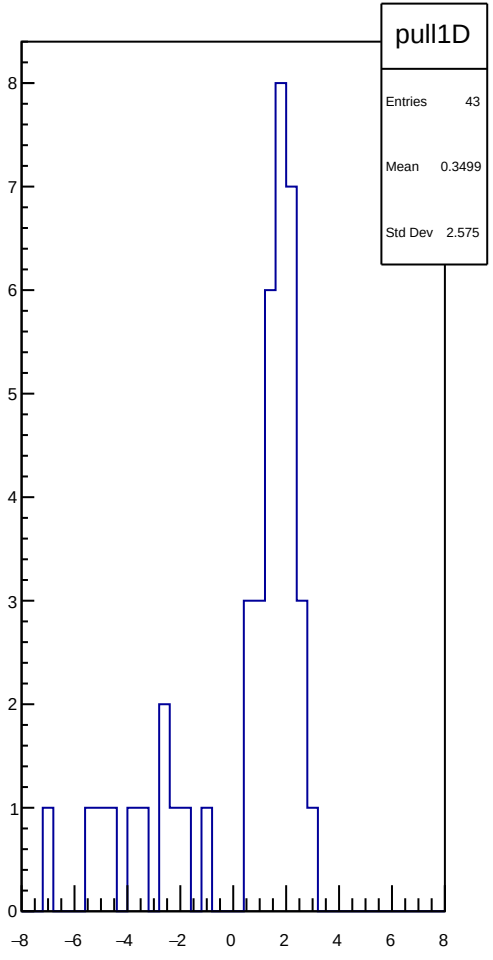

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 388.7 / 42
p0 −39.31 ± 0.4238
pull
Entries 43
Mean 224.7
Std Dev 0

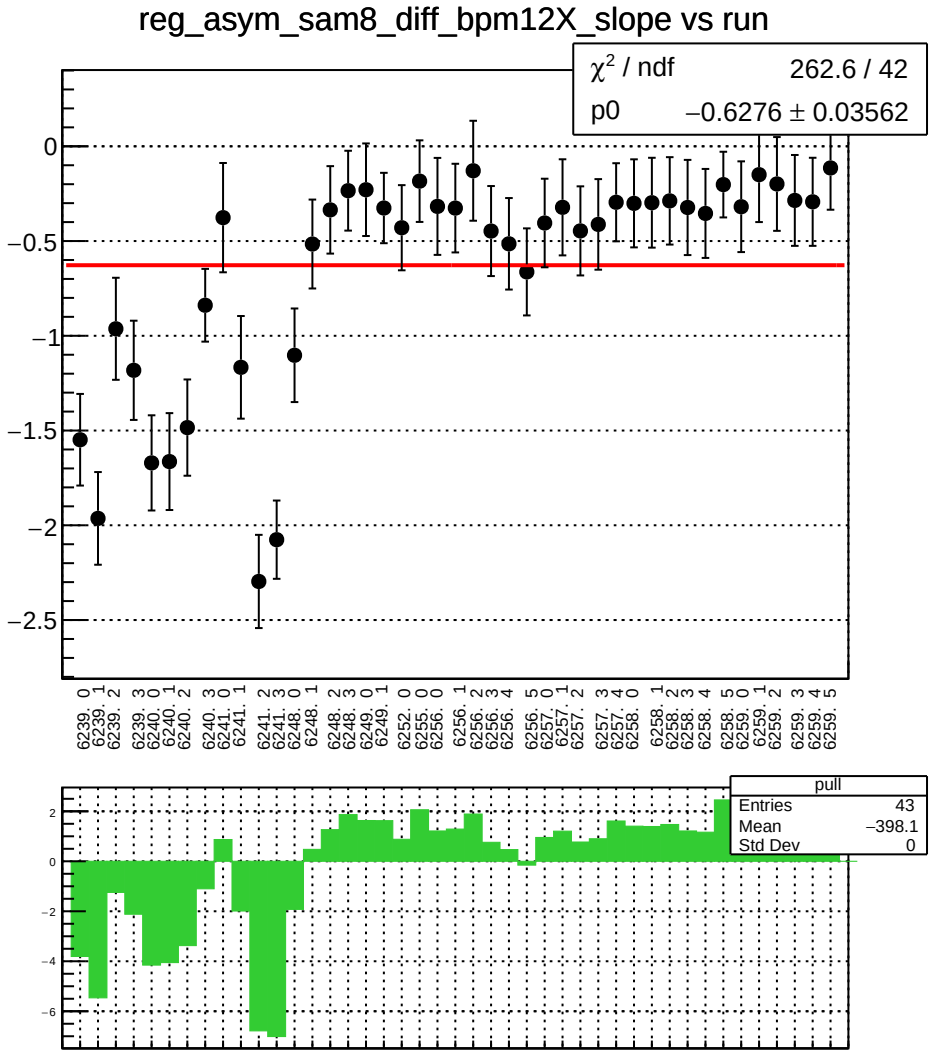

pull1D
Entries 43
Mean −0.3469
Std Dev 2.662

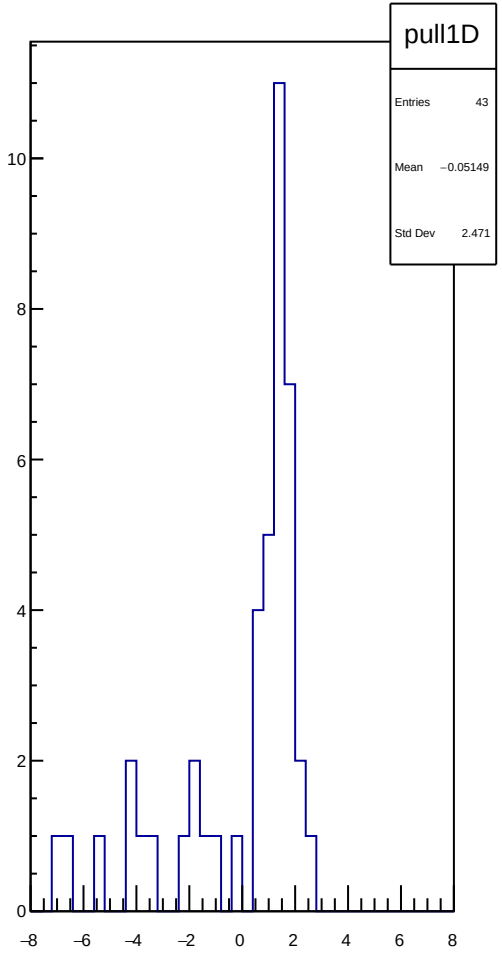

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 683.9 / 42
p0 −42.06 ± 0.4283
pull
Entries 43
Mean 331.8
Std Dev 0

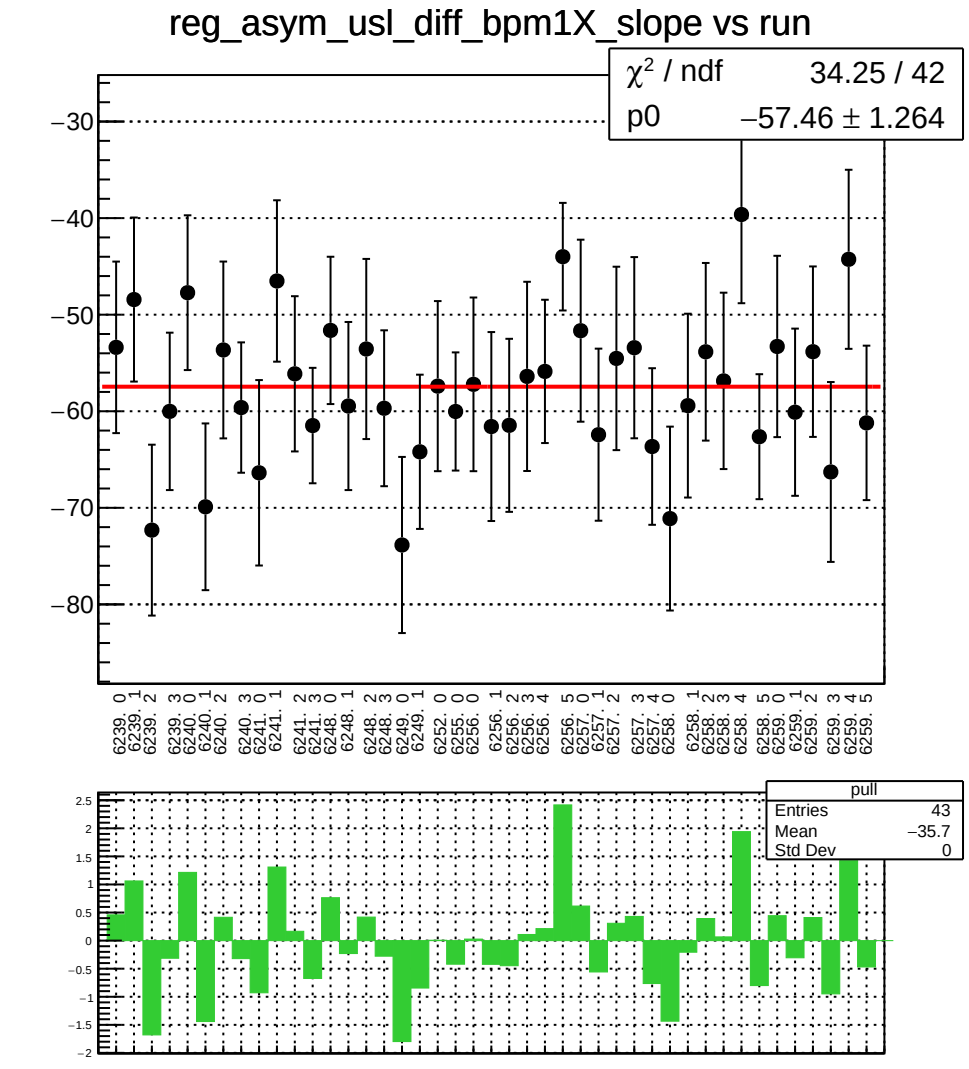

pull1D
Entries 43
Mean −0.6464
Std Dev 3.243

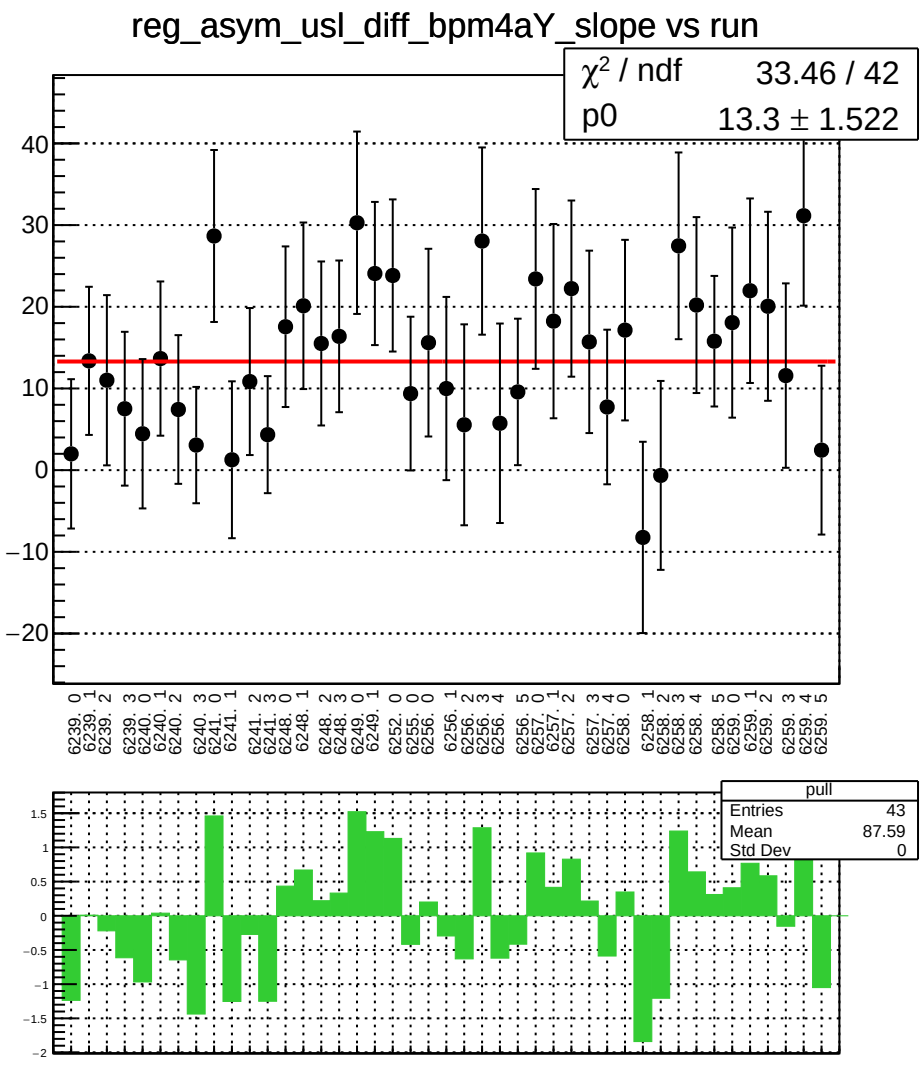

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 360.2 / 42
p0 50.4 ± 0.464
pull
Entries 43
Mean 199.5
Std Dev 0

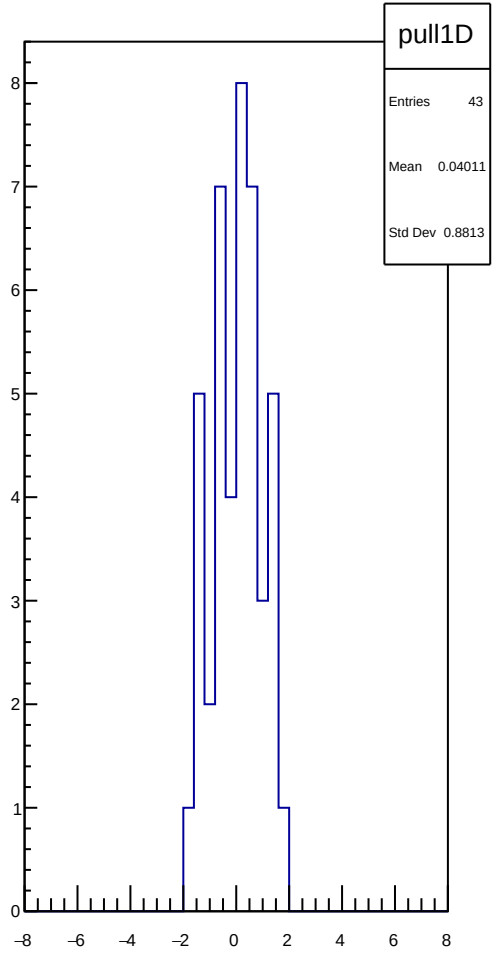

pull1D
Entries 43
Mean 0.3499
Std Dev 2.575

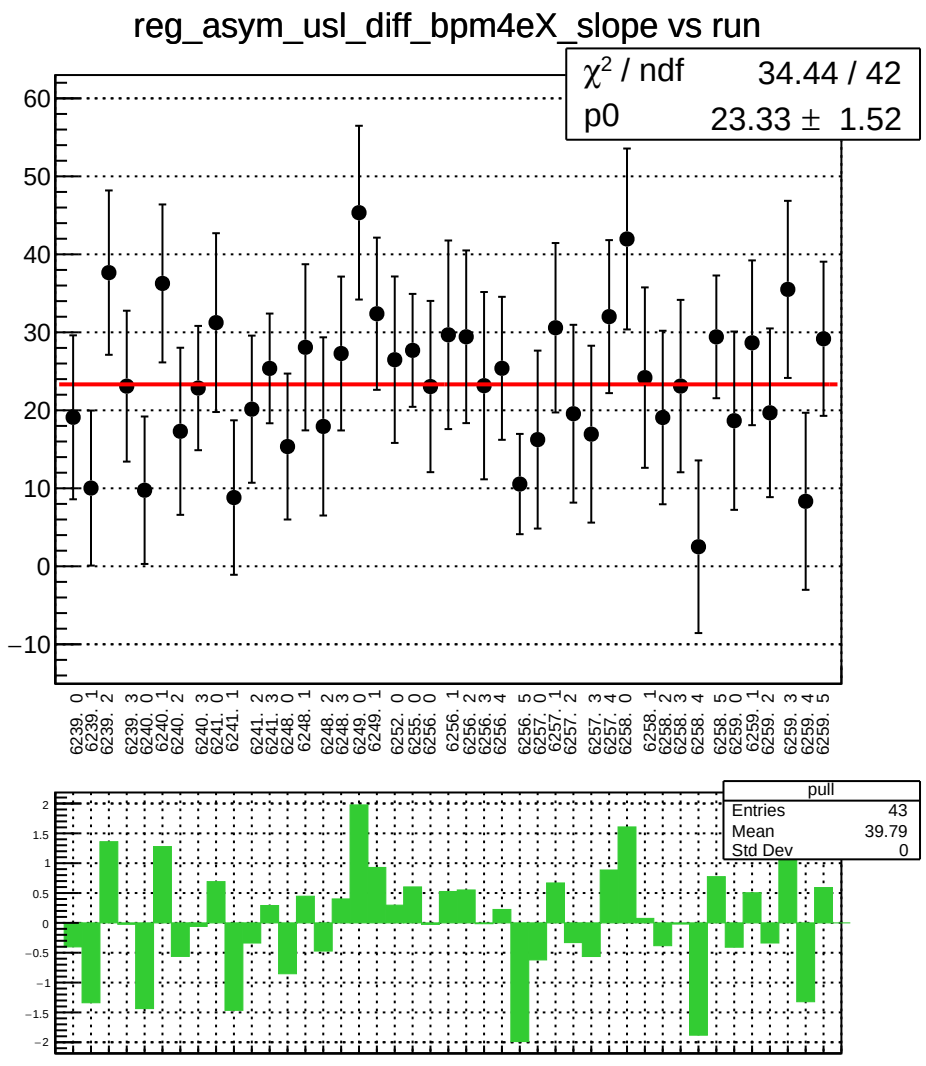

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 262.6 / 42
p0 −0.6276 ± 0.03562
0
−0.5
−1
−1.5
−2
−2.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −398.1
Std Dev 0
2
0
−2
−4
−6

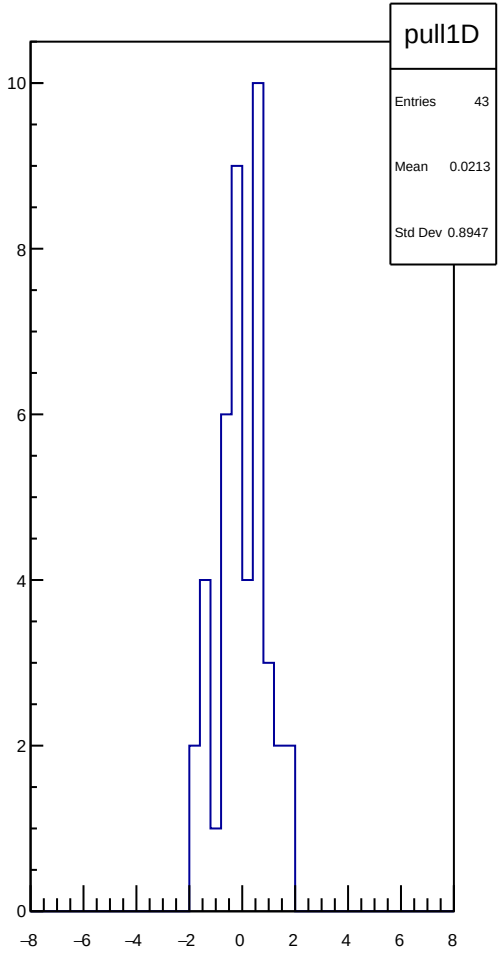

pull1D
Entries 43
Mean −0.05149
Std Dev 2.471
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

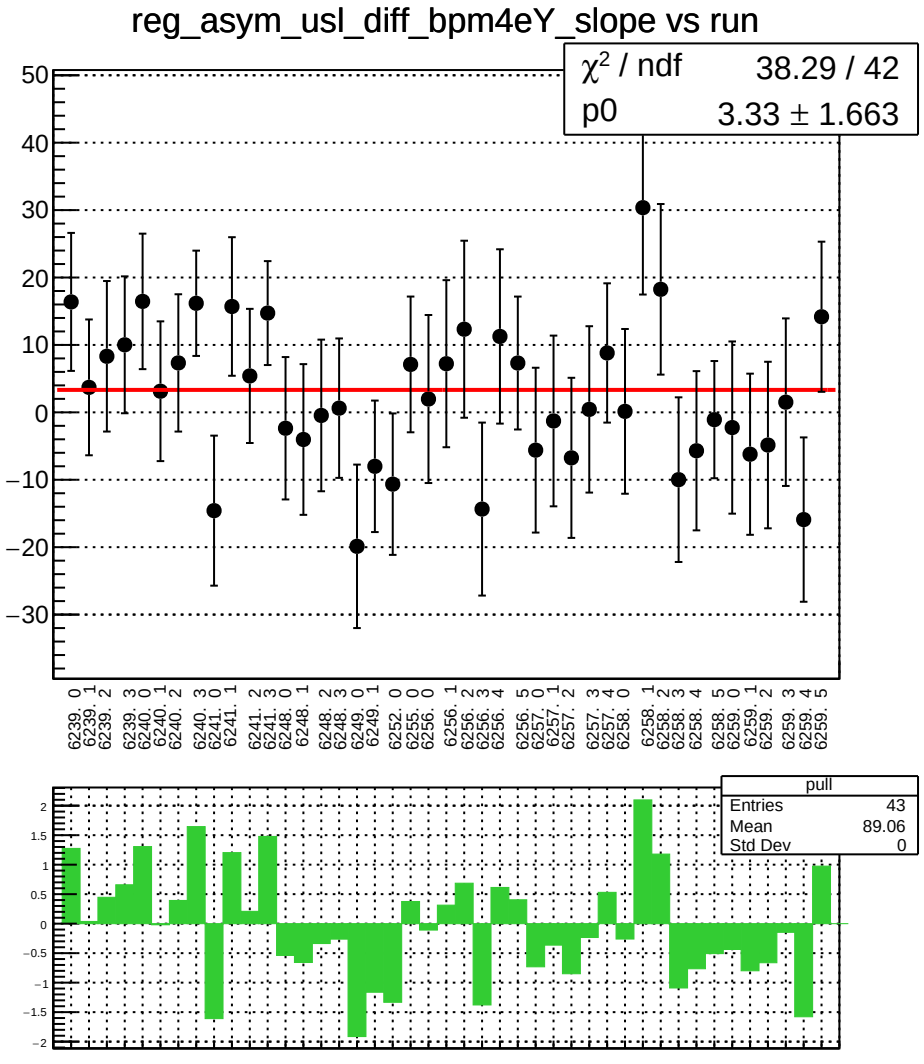

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 34.25 / 42
p0 −57.46 ± 1.264
−30
−40
−50
−60
−70
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −35.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.01545
Std Dev 0.8923
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

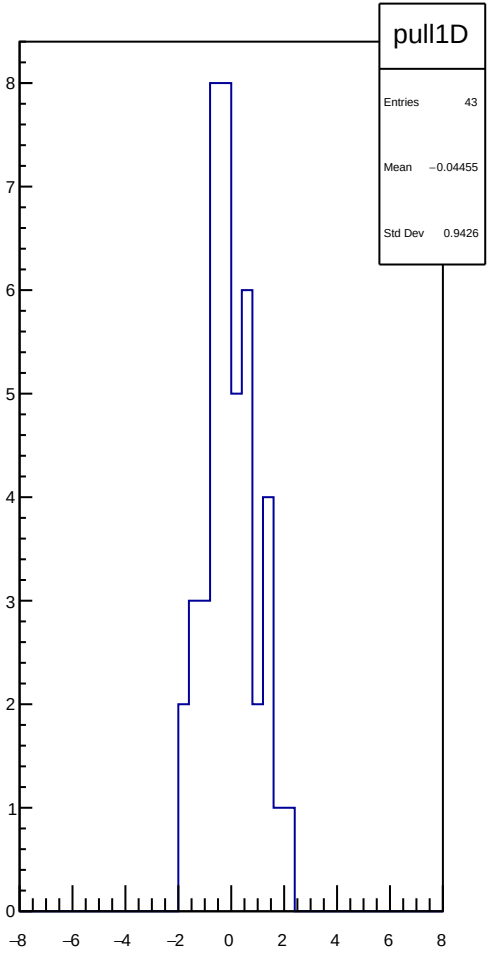

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 33.46 / 42
p0 13.3 ± 1.522
40
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

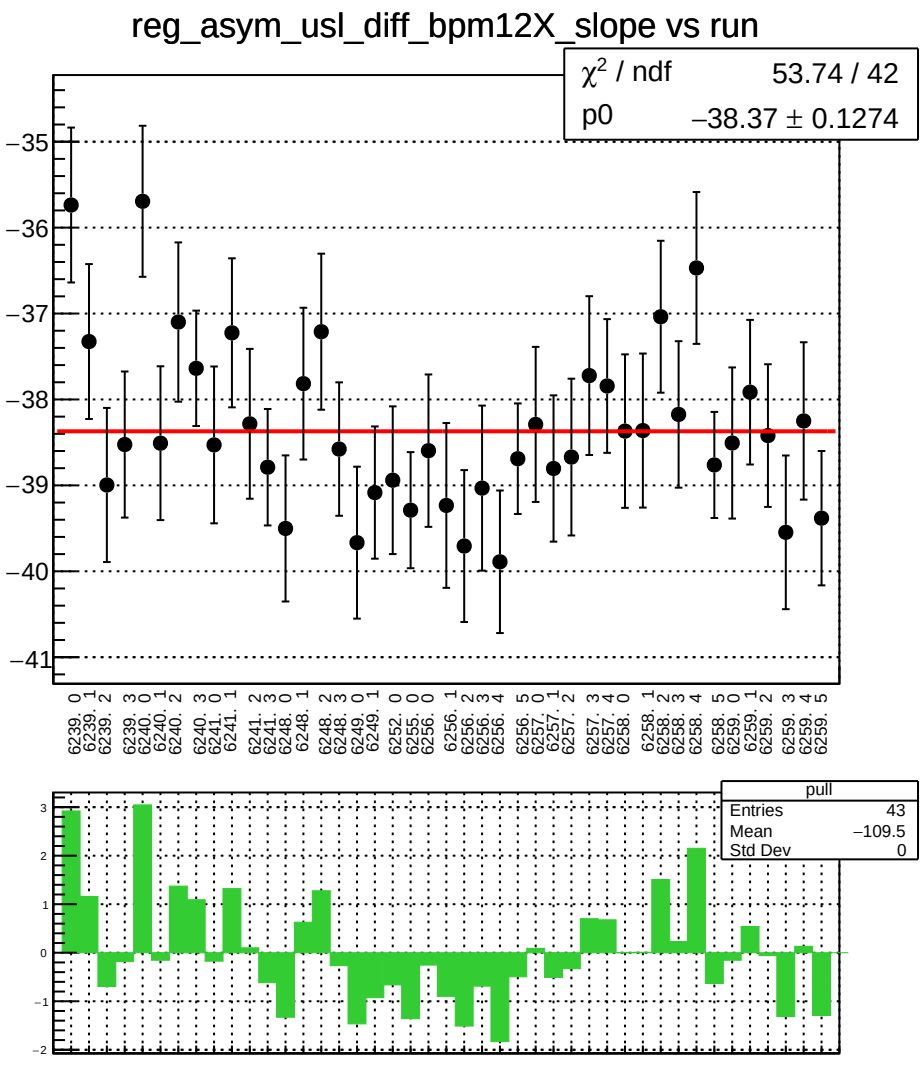

pull1D
Entries 43
Mean 0.04011
Std Dev 0.8813
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

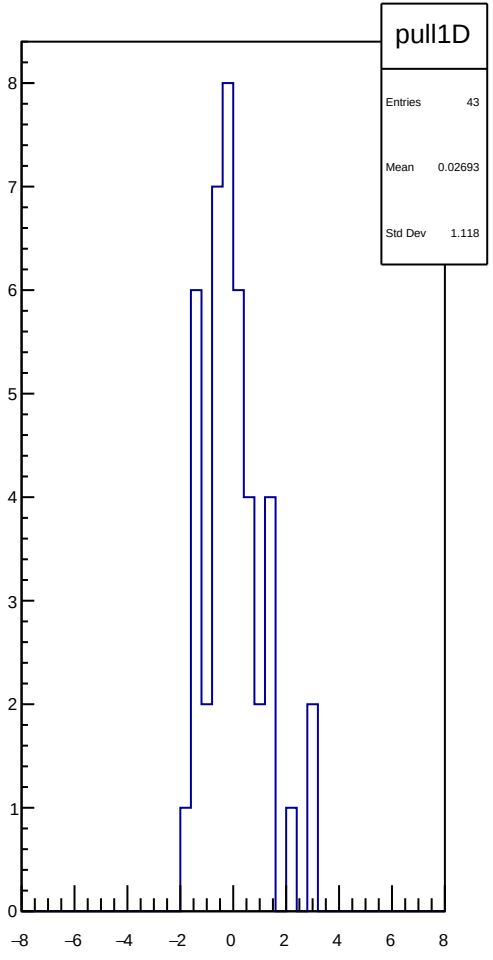

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.44 / 42
p0 23.33 ± 1.52
pull
Entries 43
Mean 39.79
Std Dev 0

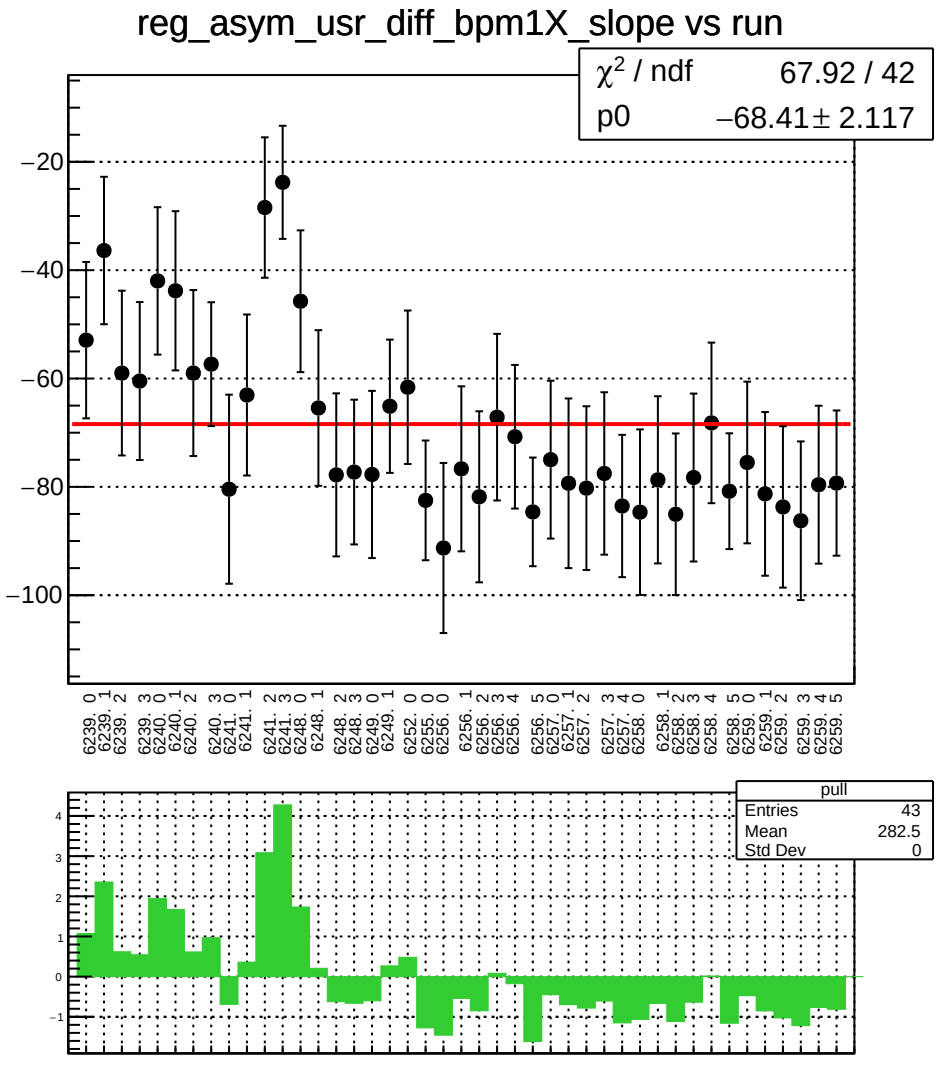

pull1D
Entries 43
Mean 0.0213
Std Dev 0.8947

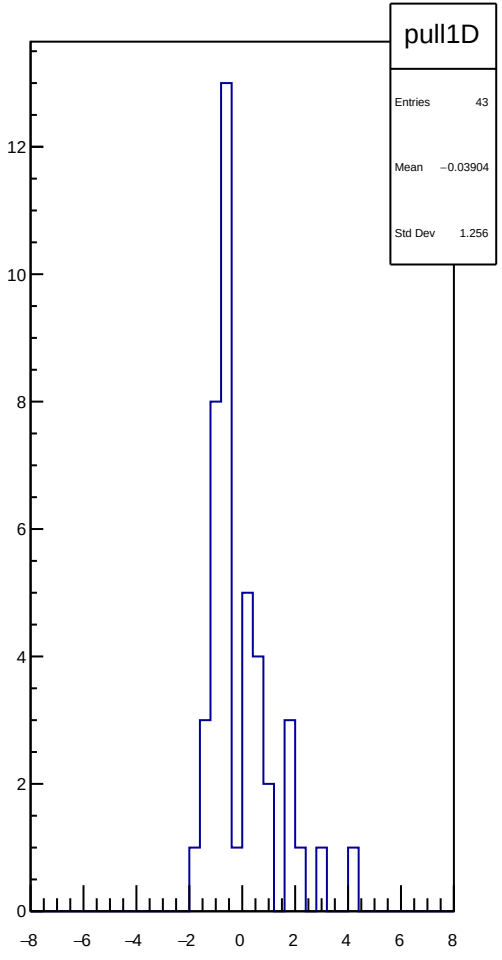

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 38.29 / 42
p0 3.33 ± 1.663
pull
Entries 43
Mean 89.06
Std Dev 0

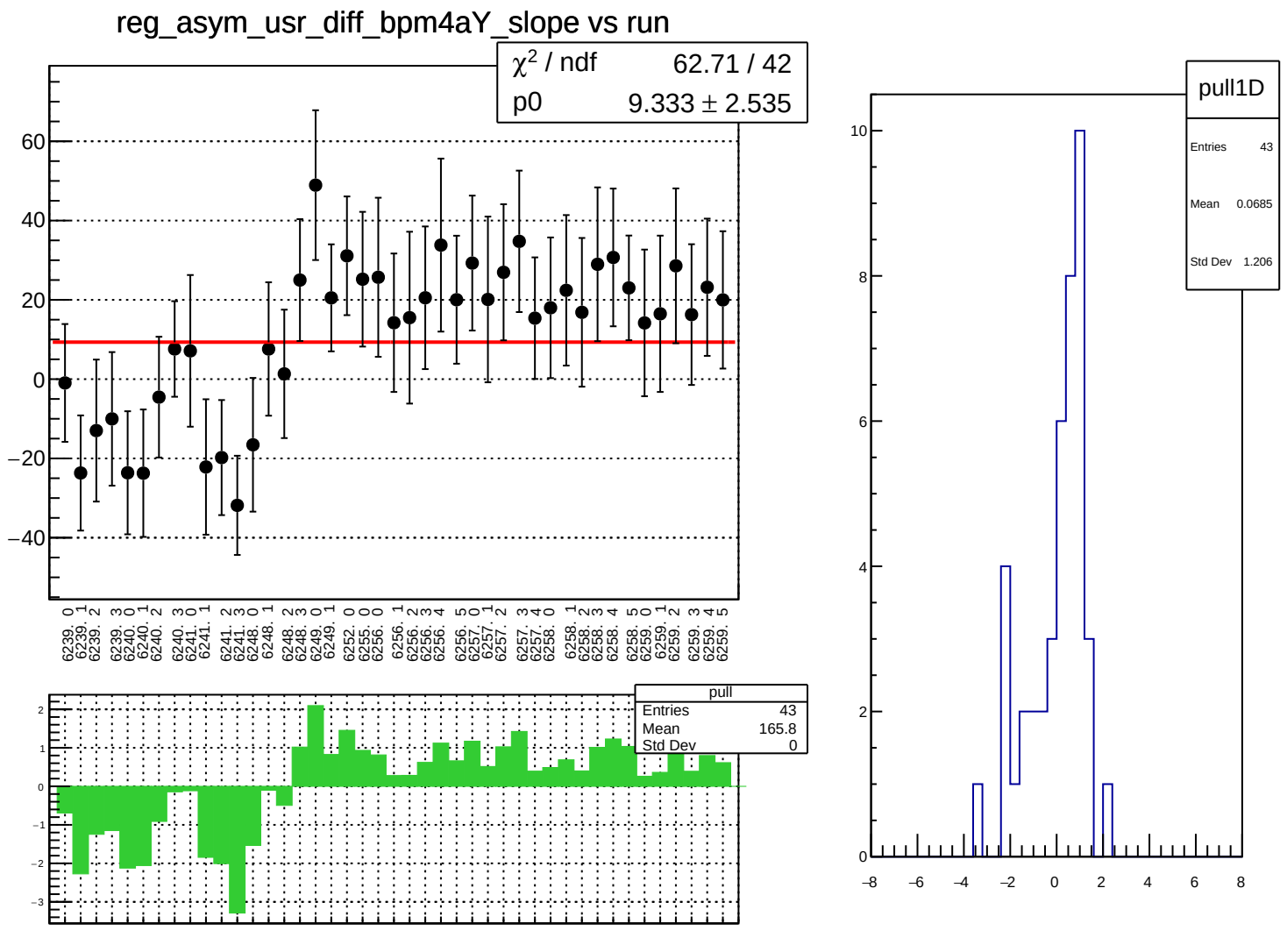

pull1D
Entries 43
Mean −0.04455
Std Dev 0.9426

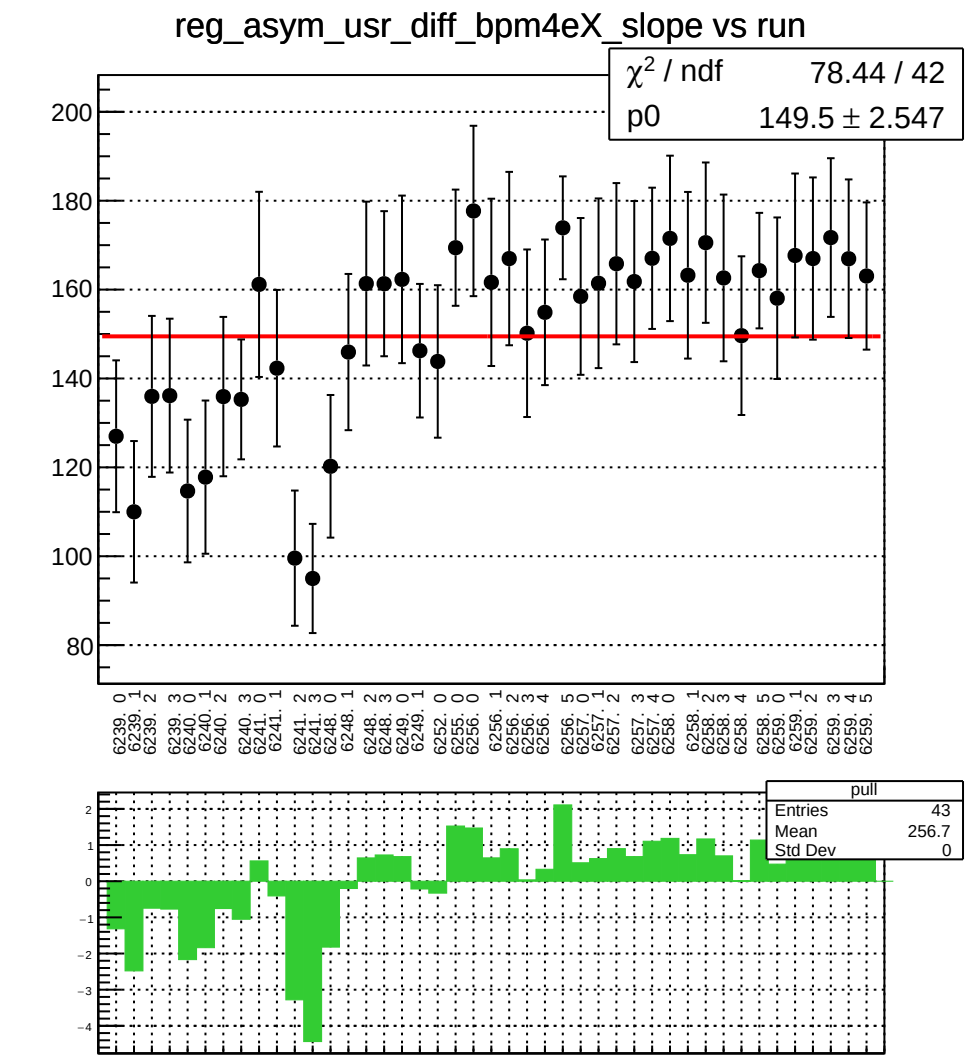

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 53.74 / 42
p0 −38.37 ± 0.1274
pull
Entries 43
Mean −109.5
Std Dev 0

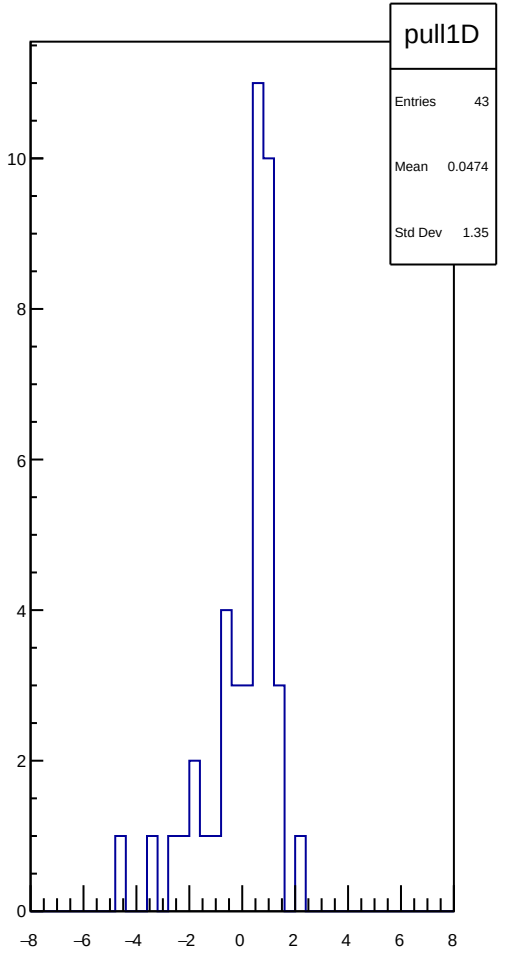

pull1D
Entries 43
Mean 0.02693
Std Dev 1.118

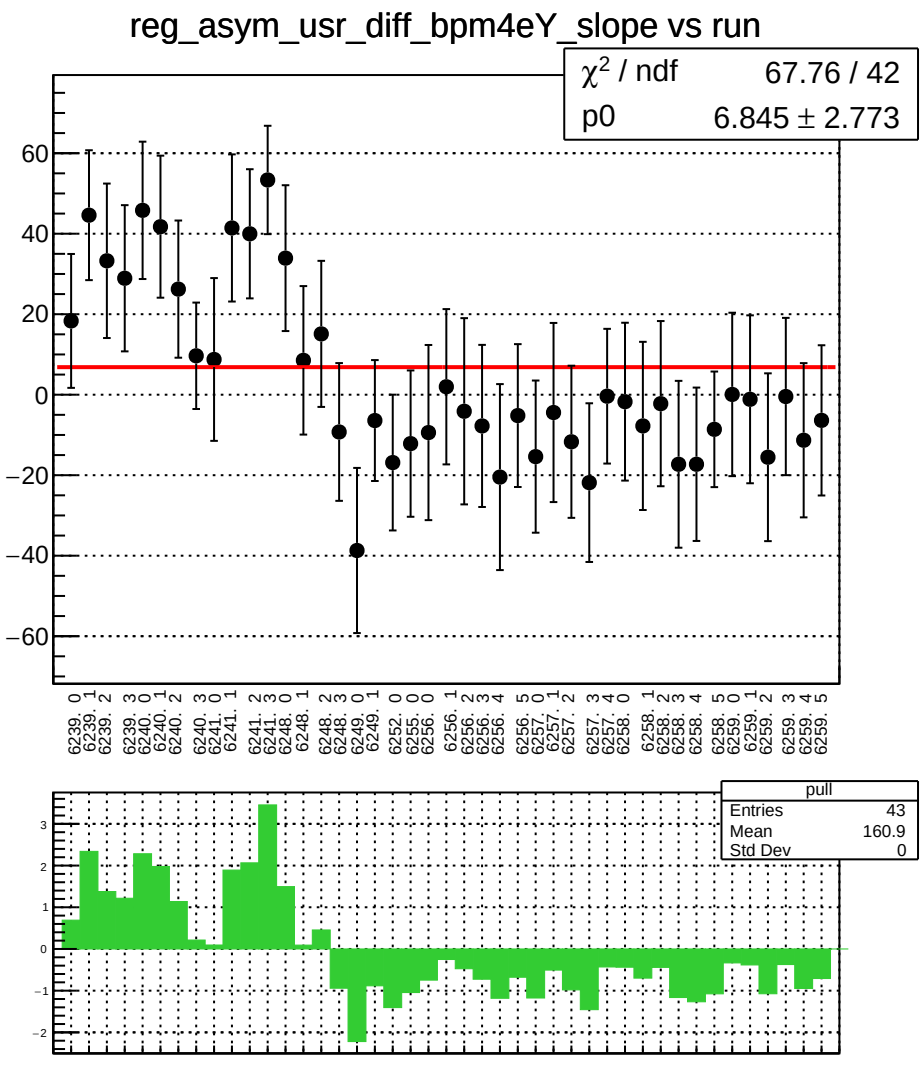

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 67.92 / 42
p0 −68.41 ± 2.117
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 282.5
Std Dev 0
4
3
2
1
0
−1

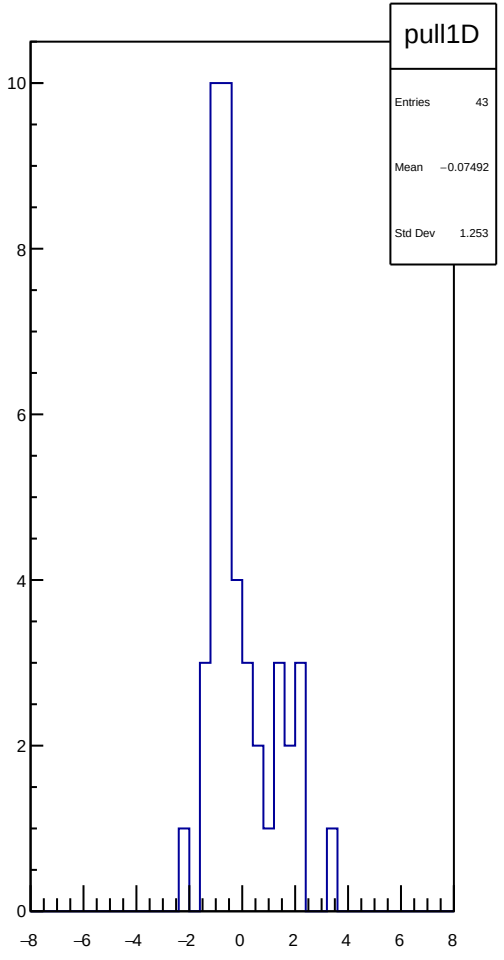

pull1D
Entries 43
Mean −0.03904
Std Dev 1.256
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

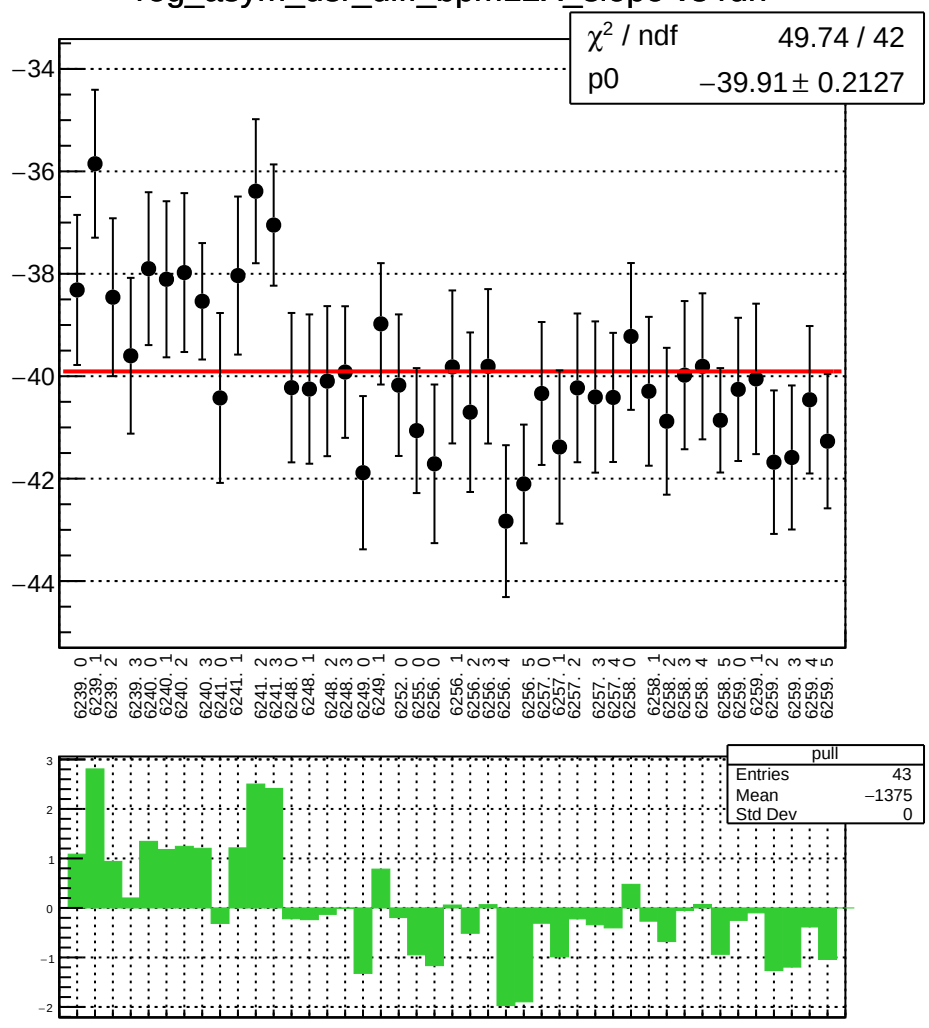

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 62.71 / 42
p0 9.333 ± 2.535
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 165.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0685
Std Dev 1.206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

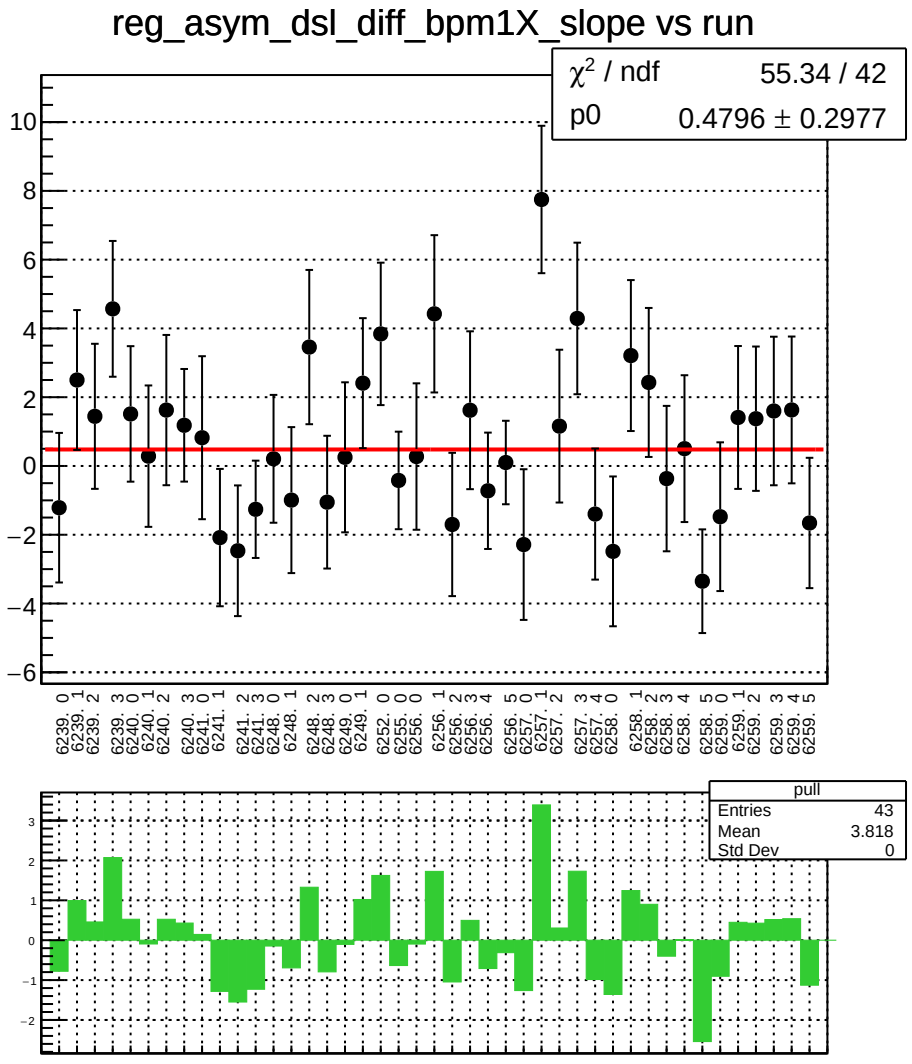

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 78.44 / 42
p0 149.5 ± 2.547
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 256.7
Std Dev 0
2
1
0
−1
−2
−3
−4

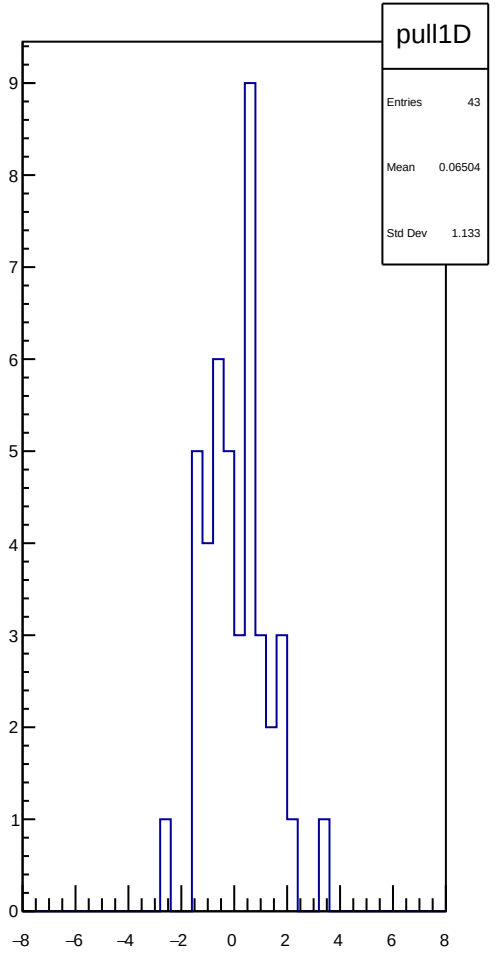

pull1D
Entries 43
Mean 0.0474
Std Dev 1.35
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

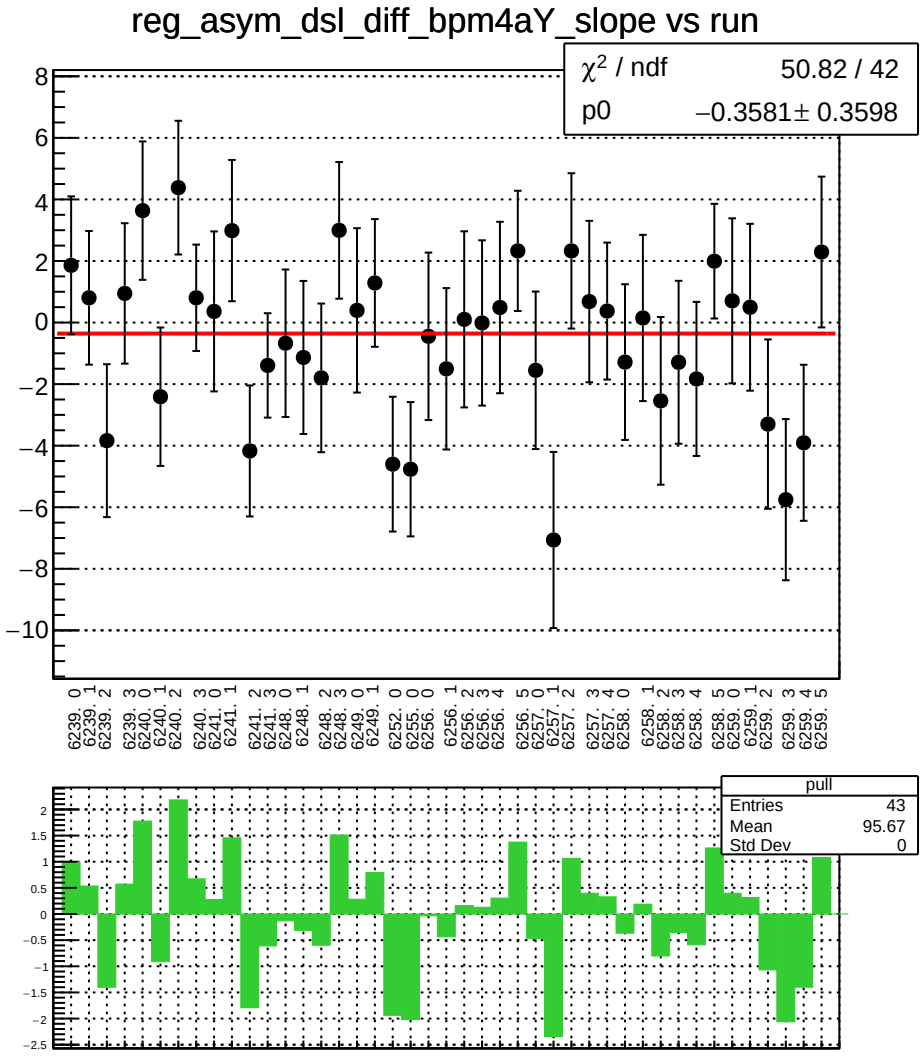

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 67.76 / 42
p0 6.845 ± 2.773
pull
Entries 43
Mean 160.9
Std Dev 0

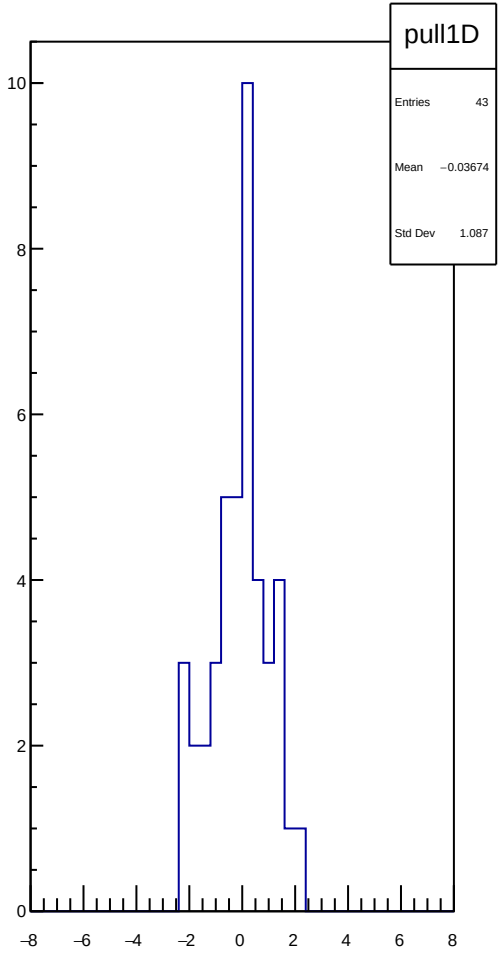

pull1D
Entries 43
Mean −0.07492
Std Dev 1.253

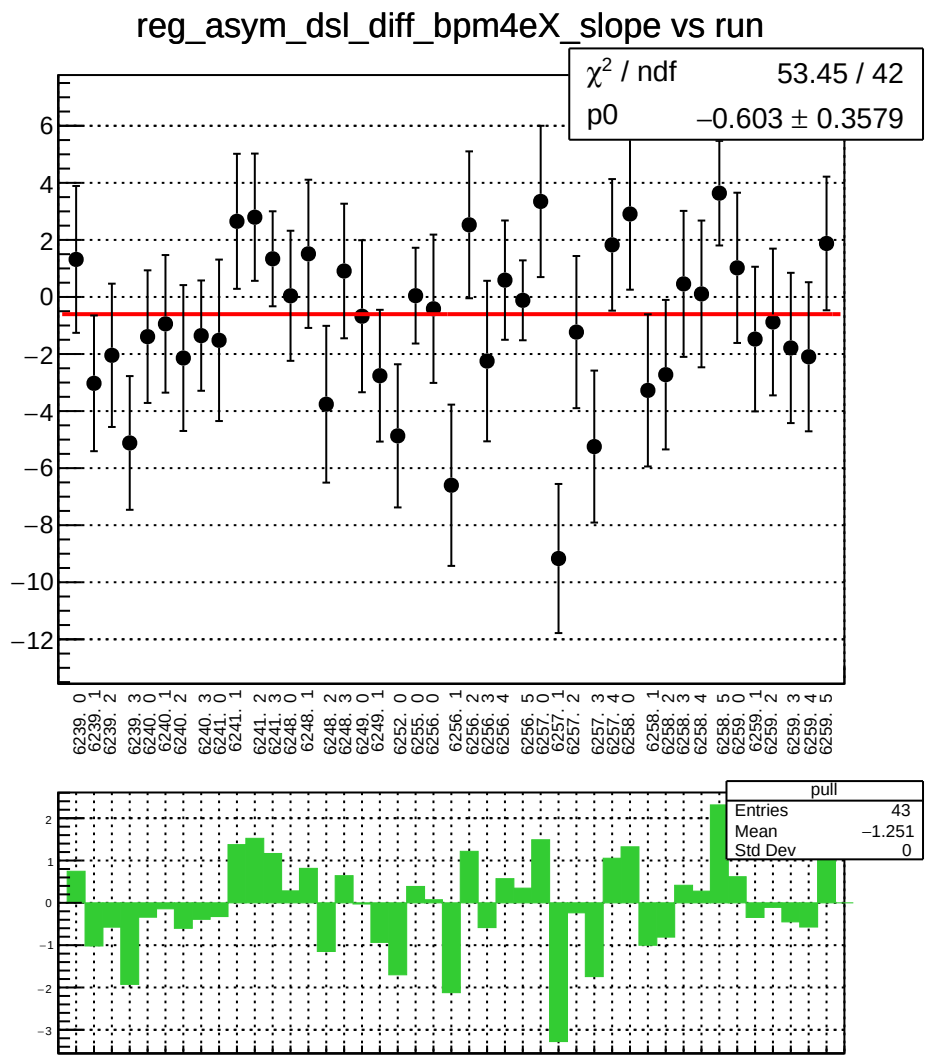

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 49.74 / 42
p0 −39.91 ± 0.2127
−34
−36
−38
−40
−42
−44
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1375
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.005959
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

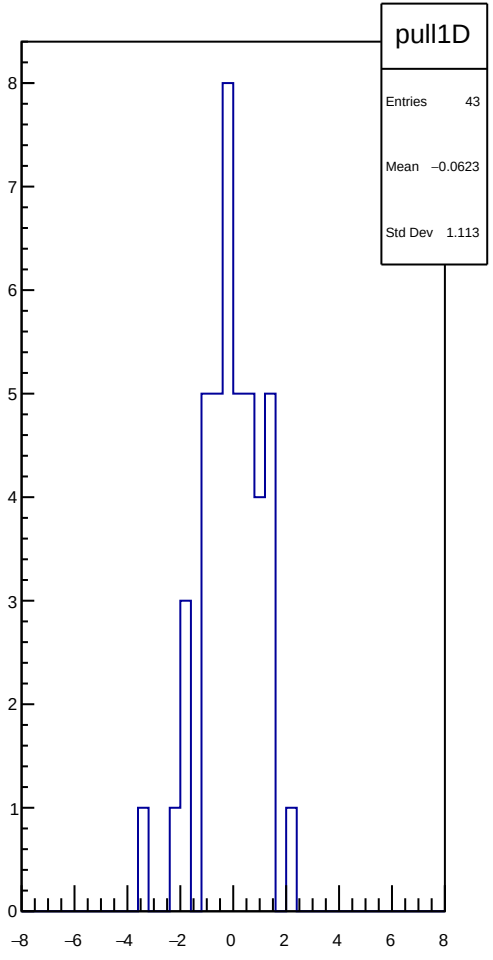

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 55.34 / 42
p0 0.4796 ± 0.2977
pull
Entries 43
Mean 3.818
Std Dev 0

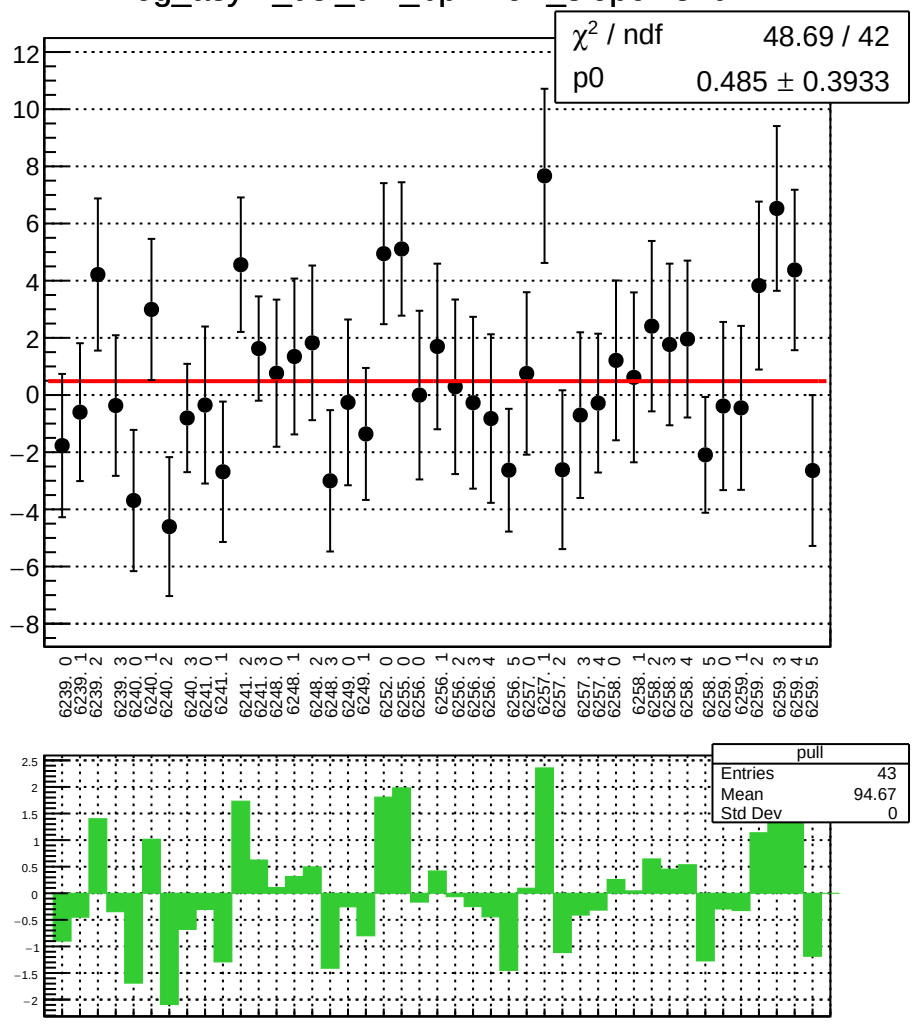

pull1D
Entries 43
Mean 0.06504
Std Dev 1.133

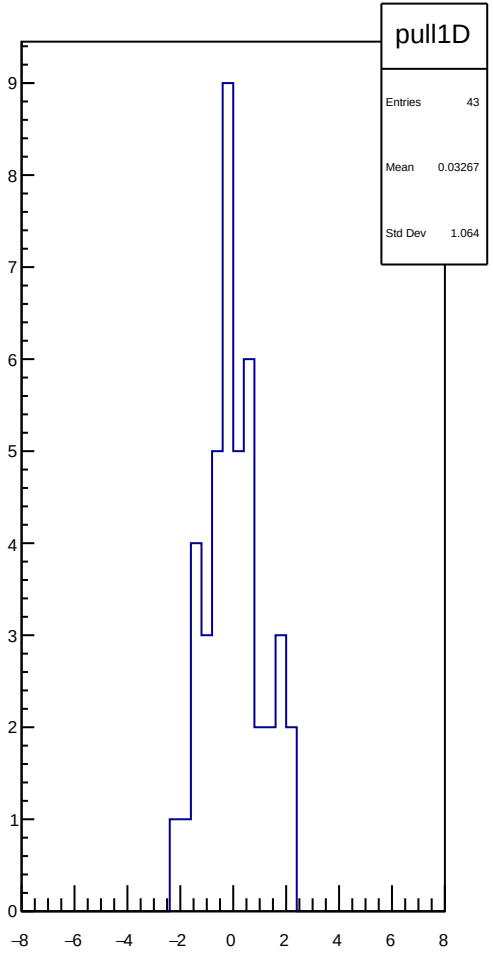

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 50.82 / 42
p0 −0.3581± 0.3598
pull
Entries 43
Mean 95.67
Std Dev 0

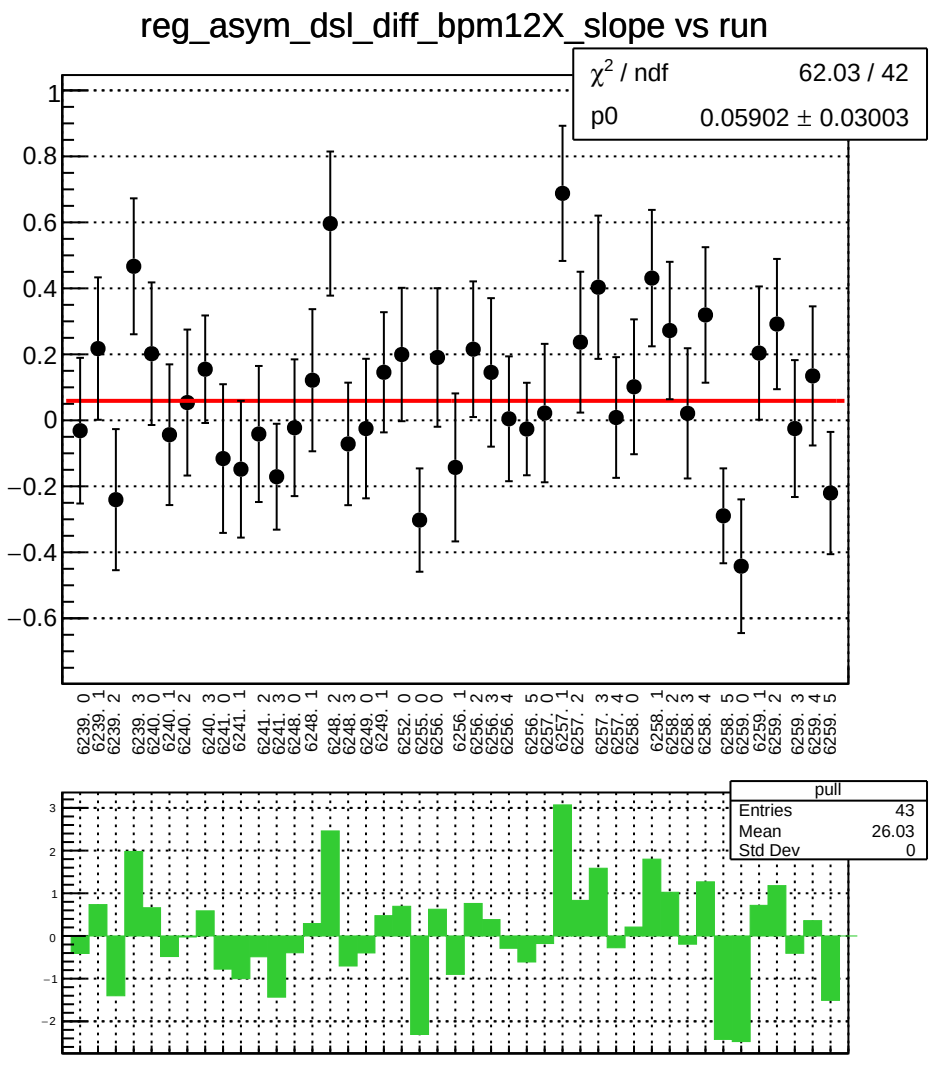

pull1D
Entries 43
Mean −0.03674
Std Dev 1.087

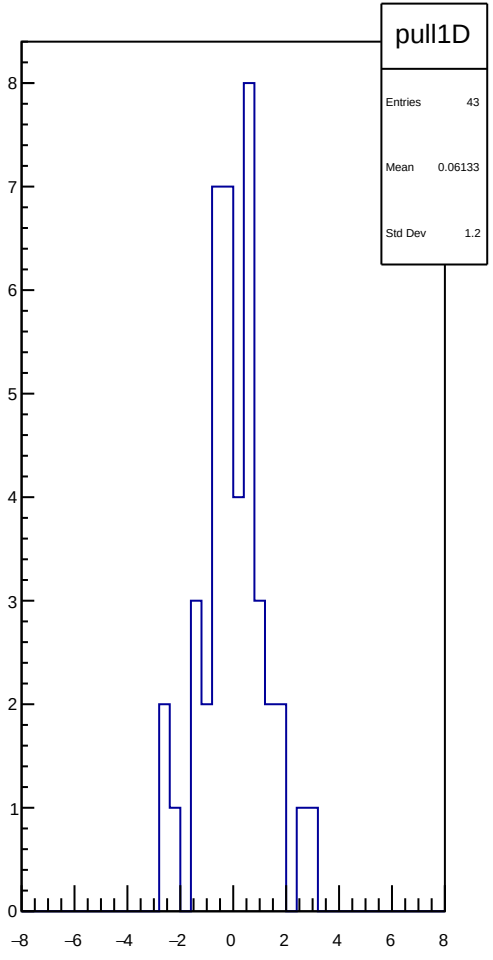

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 53.45 / 42
p0 −0.603 ± 0.3579
pull
Entries 43
Mean −1.251
Std Dev 0

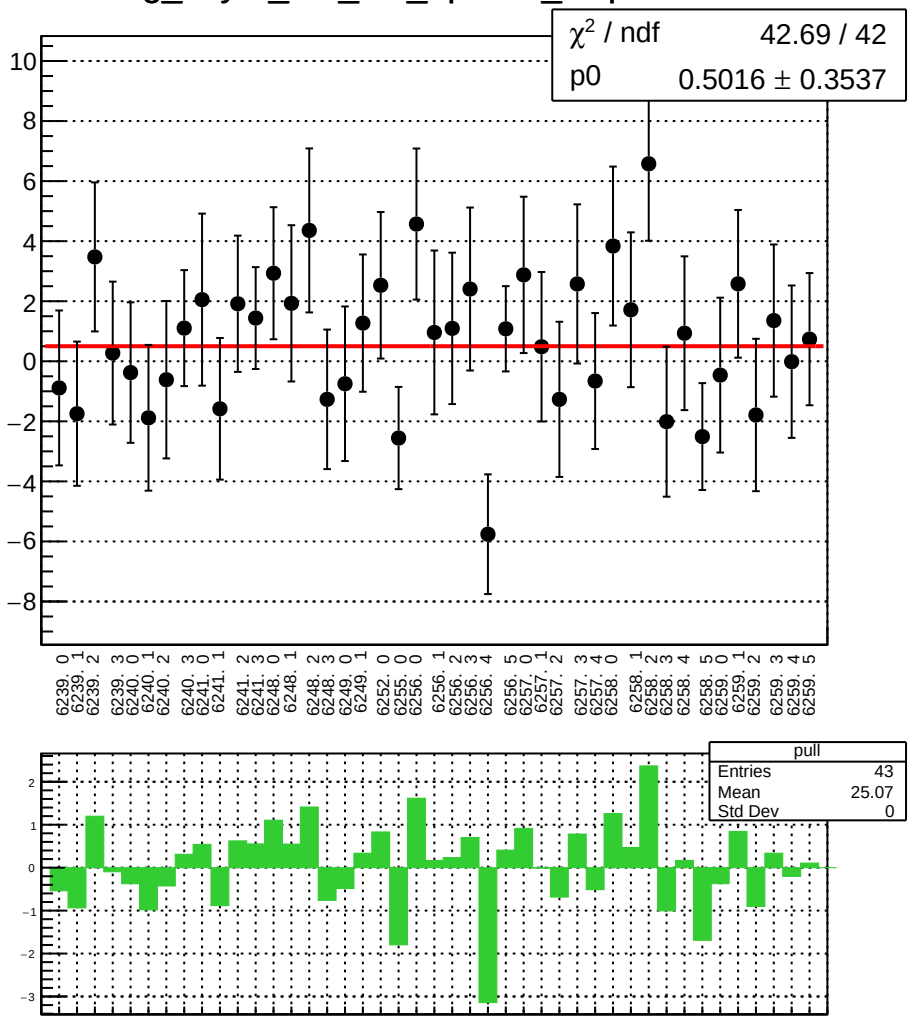

pull1D
Entries 43
Mean −0.0623
Std Dev 1.113

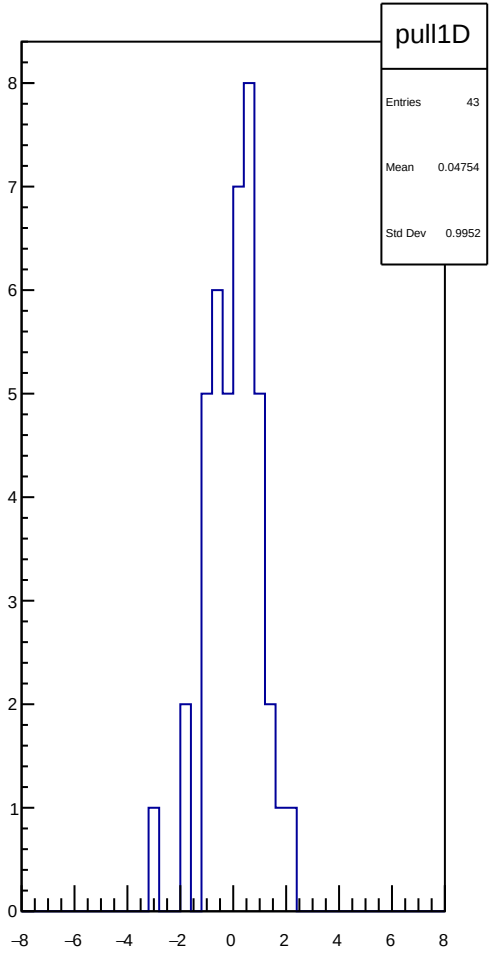

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 48.69 / 42
p0 0.485 ± 0.3933
pull
Entries 43
Mean 94.67
Std Dev 0

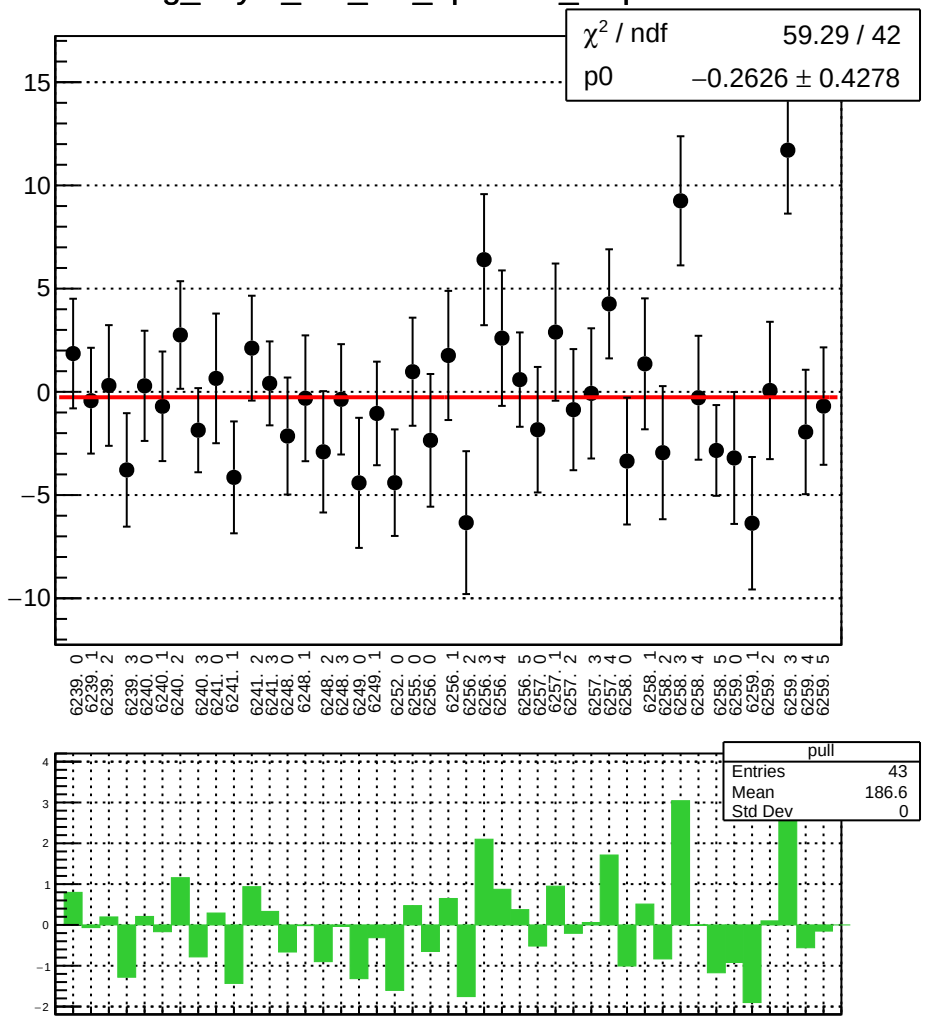

pull1D
Entries 43
Mean 0.03267
Std Dev 1.064

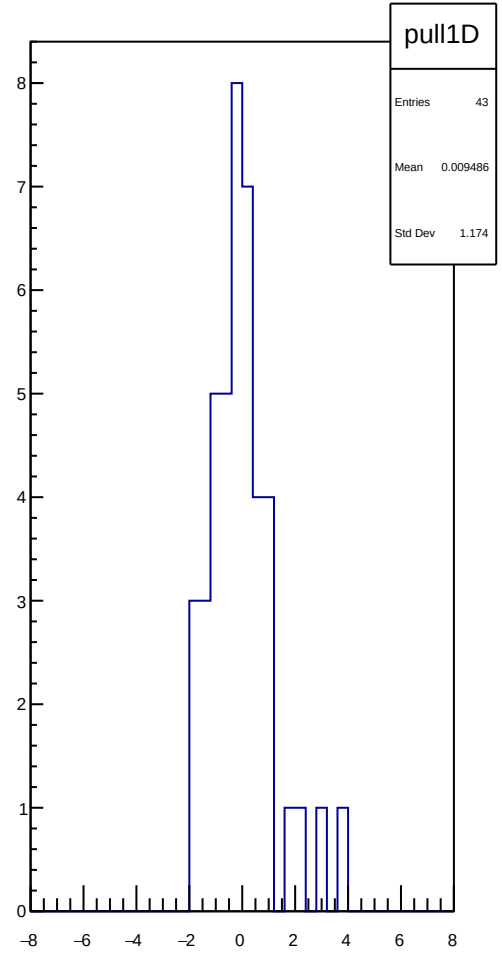

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 62.03 / 42
p0 0.05902 ± 0.03003
pull
Entries 43
Mean 26.03
Std Dev 0

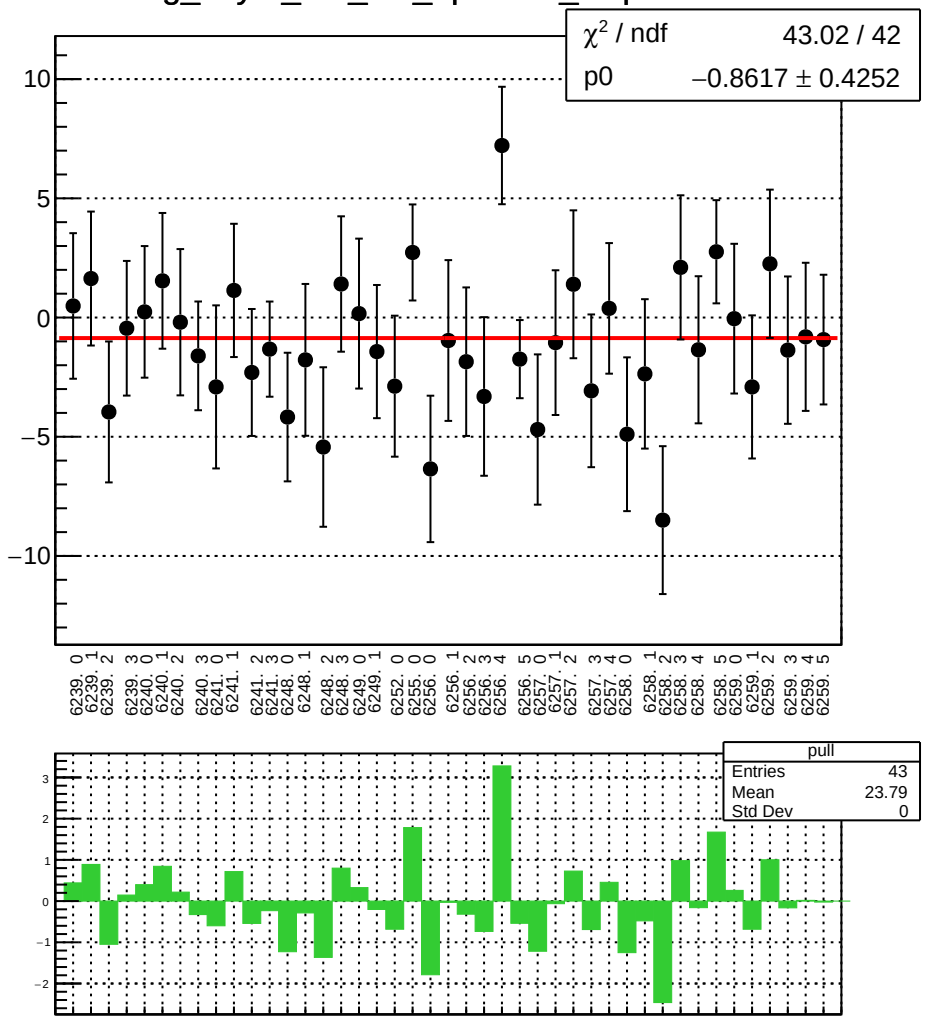

pull1D
Entries 43
Mean 0.06133
Std Dev 1.2

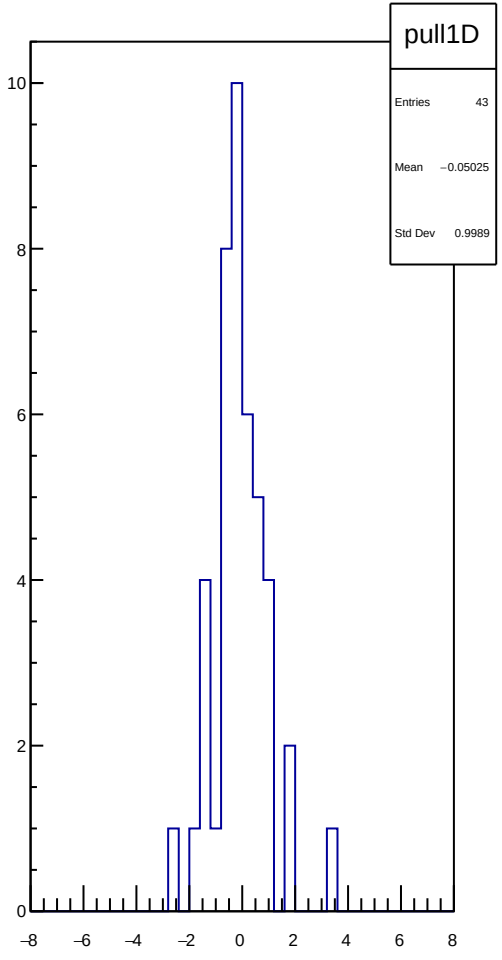

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 42.69 / 42
p0 0.5016 ± 0.3537
pull
Entries 43
Mean 25.07
Std Dev 0

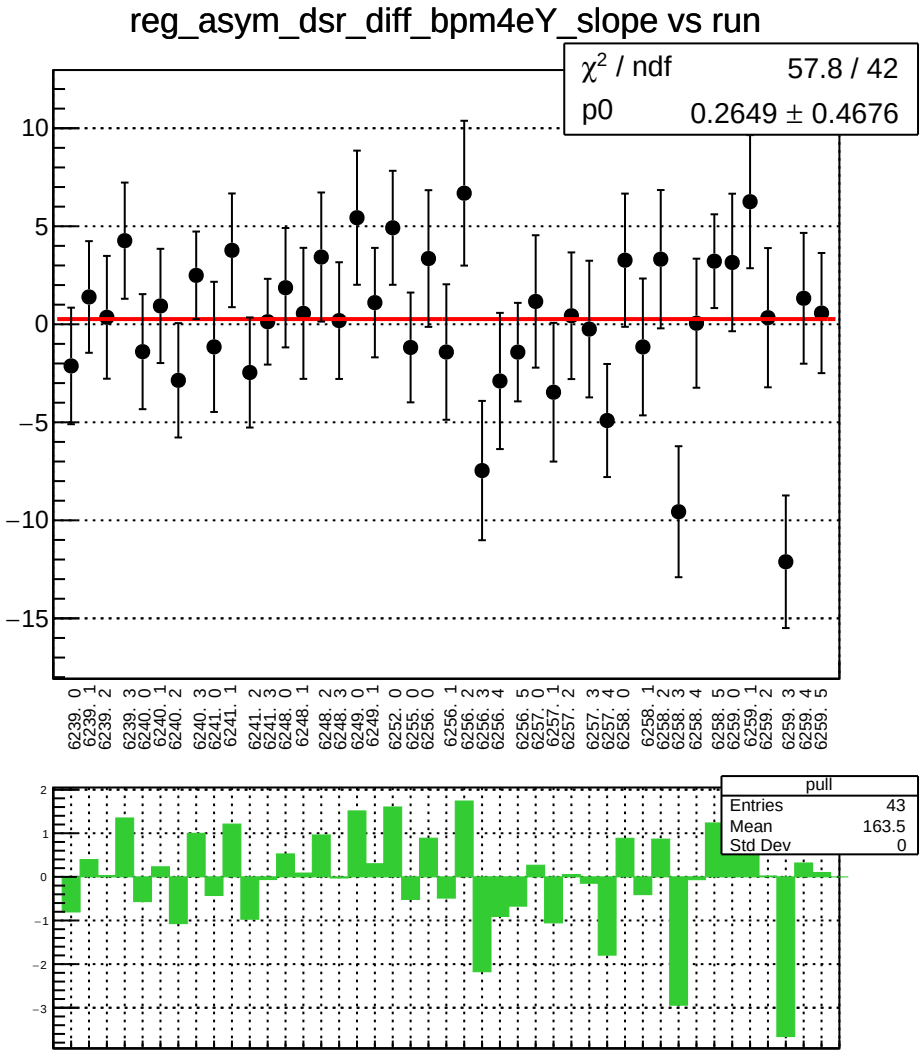

pull1D
Entries 43
Mean 0.04754
Std Dev 0.9952

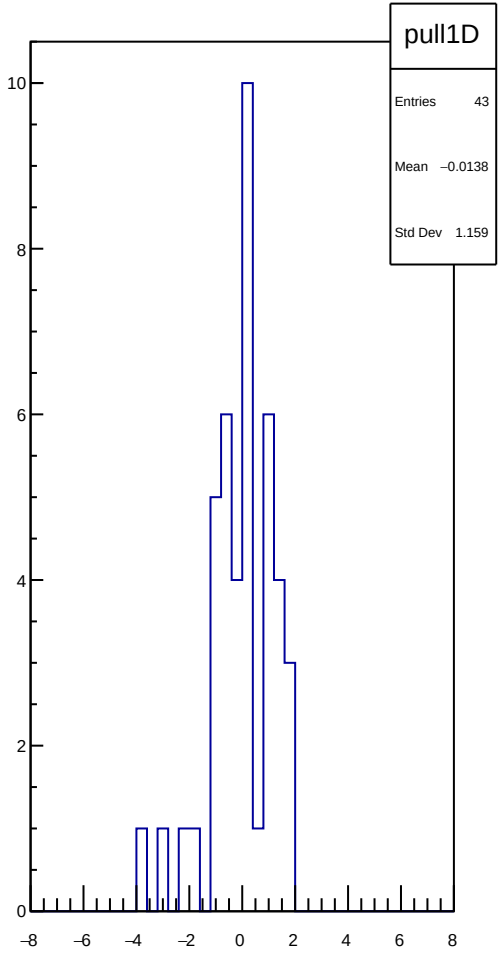

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 59.29 / 42
p0 −0.2626 ± 0.4278
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 186.6
Std Dev 0
4
3
2
1
0
−1
−2

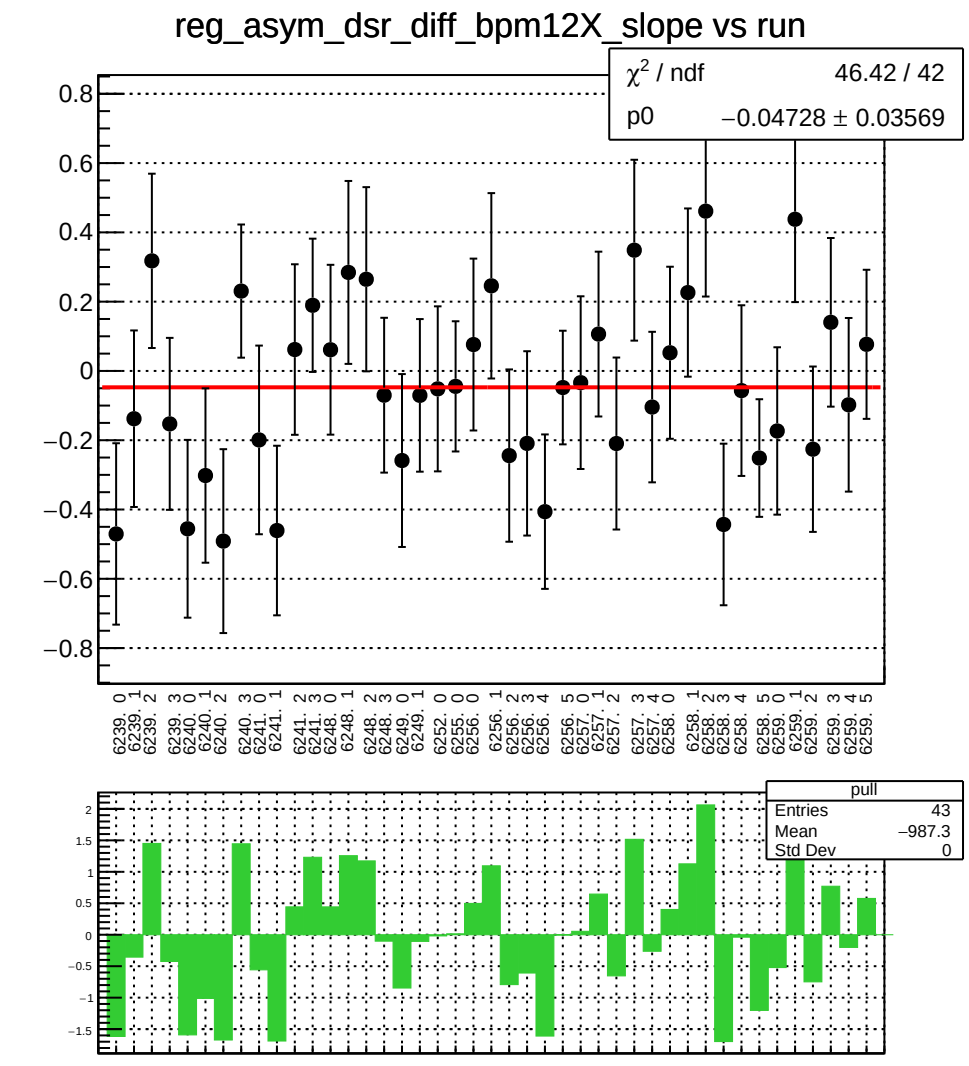

pull1D
Entries 43
Mean 0.009486
Std Dev 1.174
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

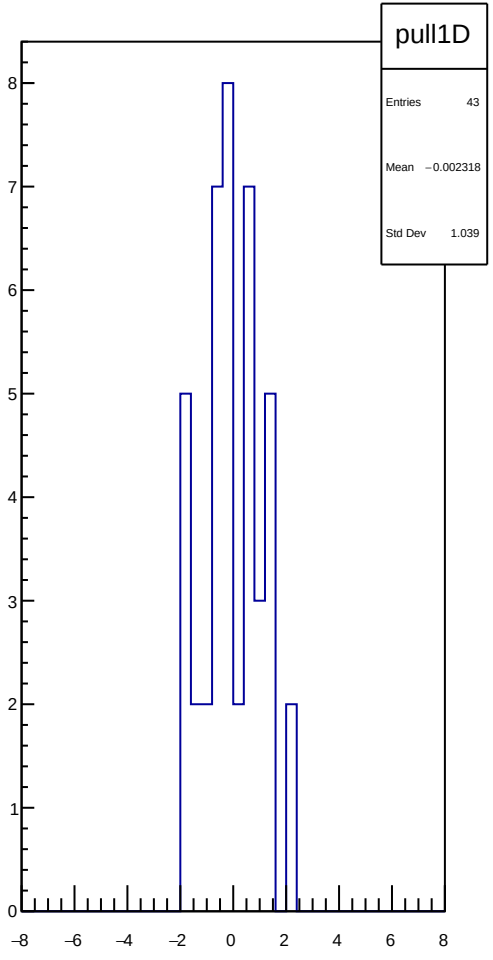

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 43.02 / 42
p0 −0.8617 ± 0.4252
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 23.79
Std Dev 0
3
2
1
0
−1
−2

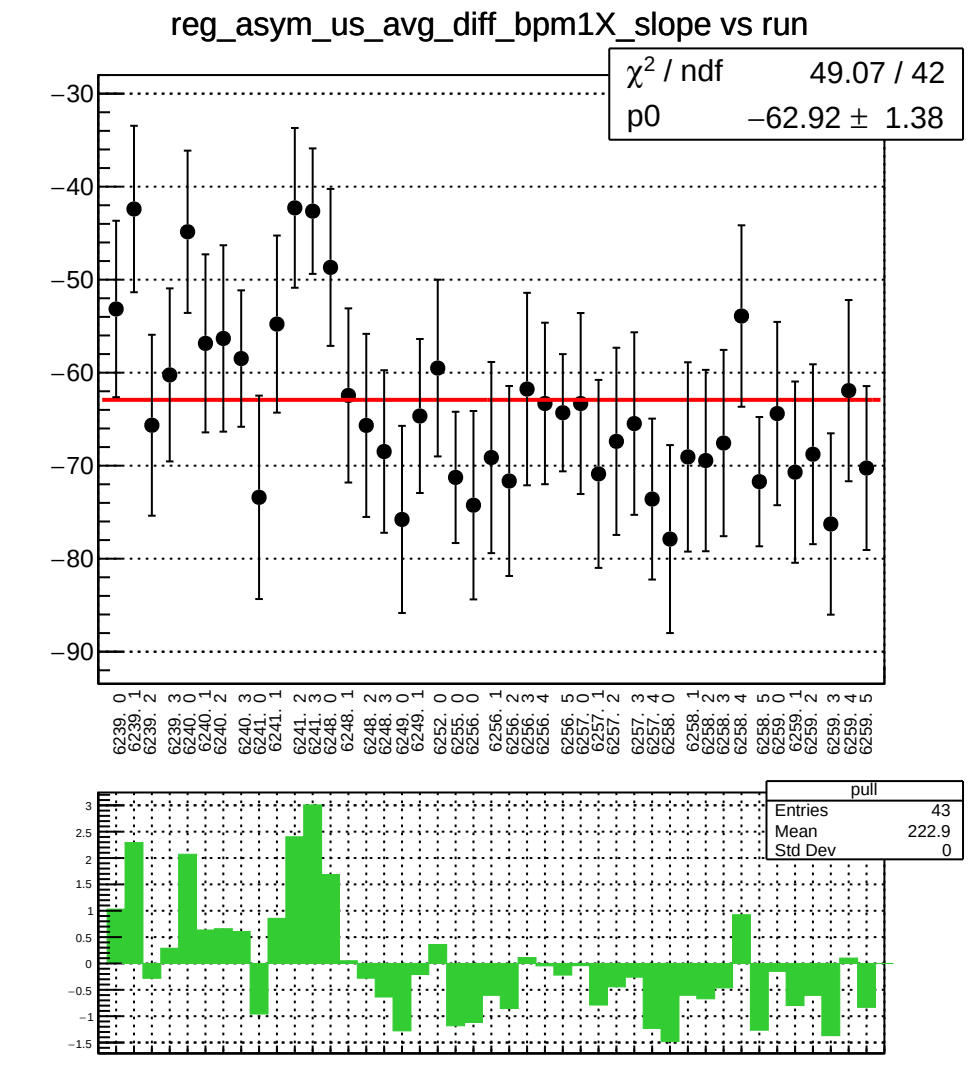

pull1D
Entries 43
Mean −0.05025
Std Dev 0.9989
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

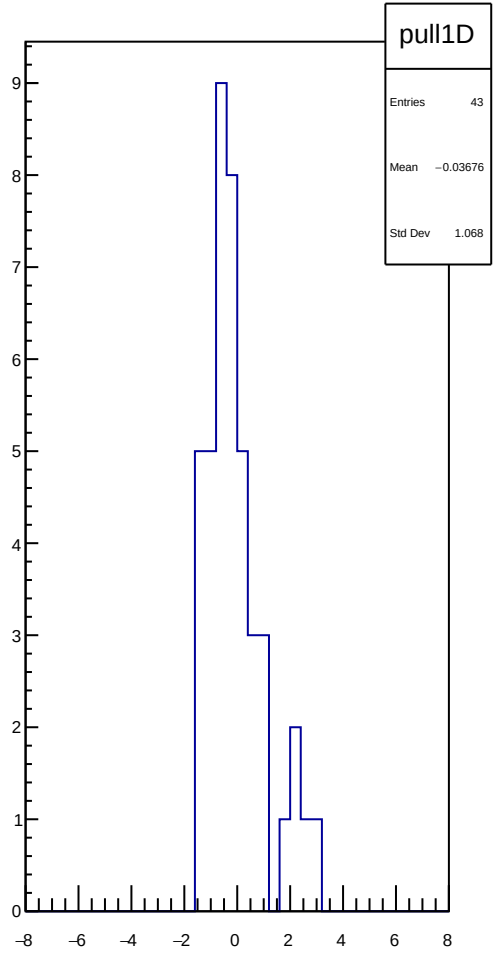

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 57.8 / 42
p0 0.2649 ± 0.4676
pull
Entries 43
Mean 163.5
Std Dev 0

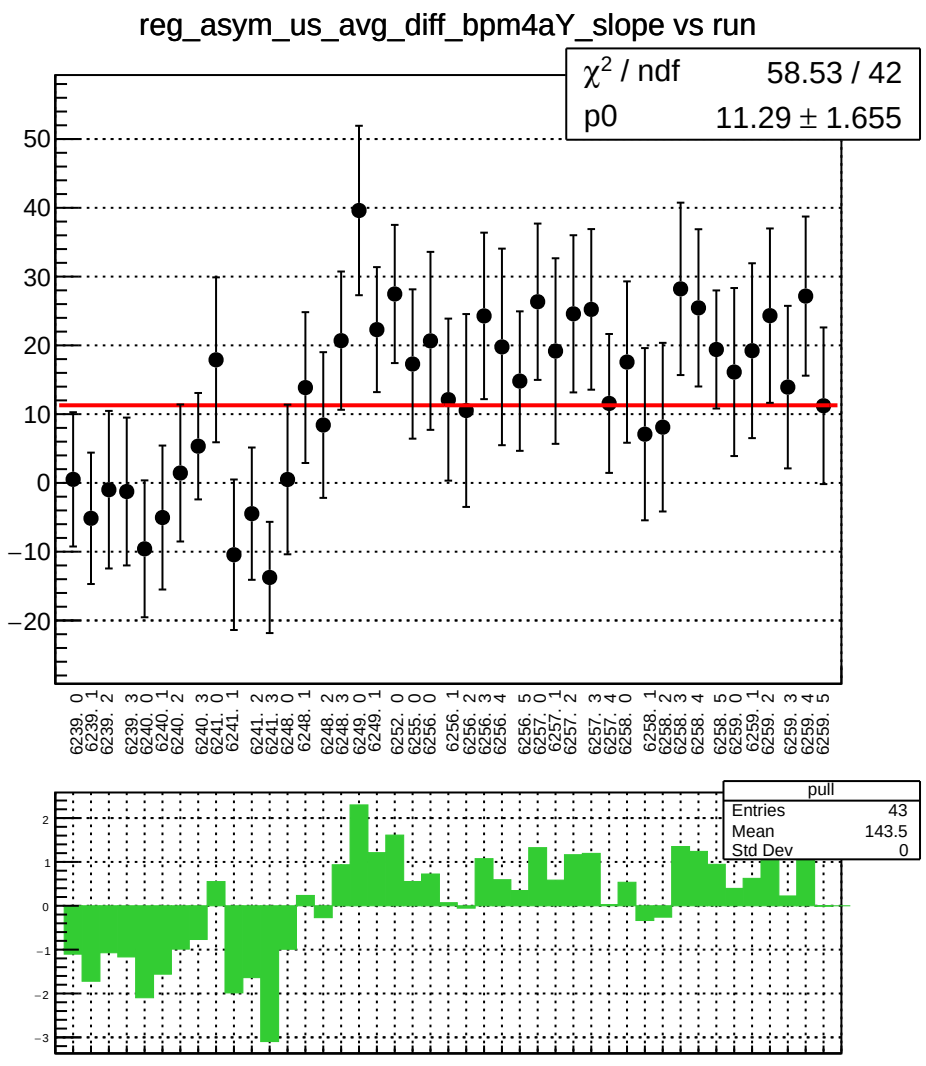

pull1D
Entries 43
Mean −0.0138
Std Dev 1.159

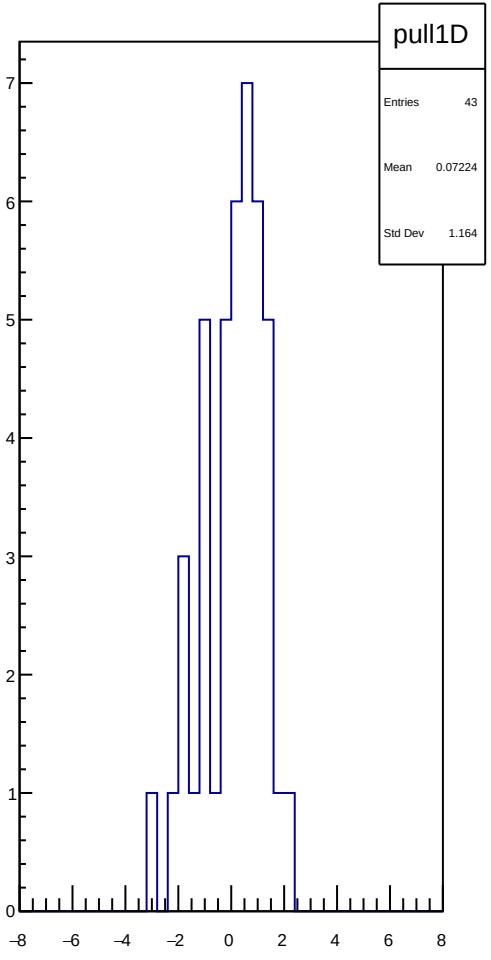

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 46.42 / 42
p0 −0.04728 ± 0.03569
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −987.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

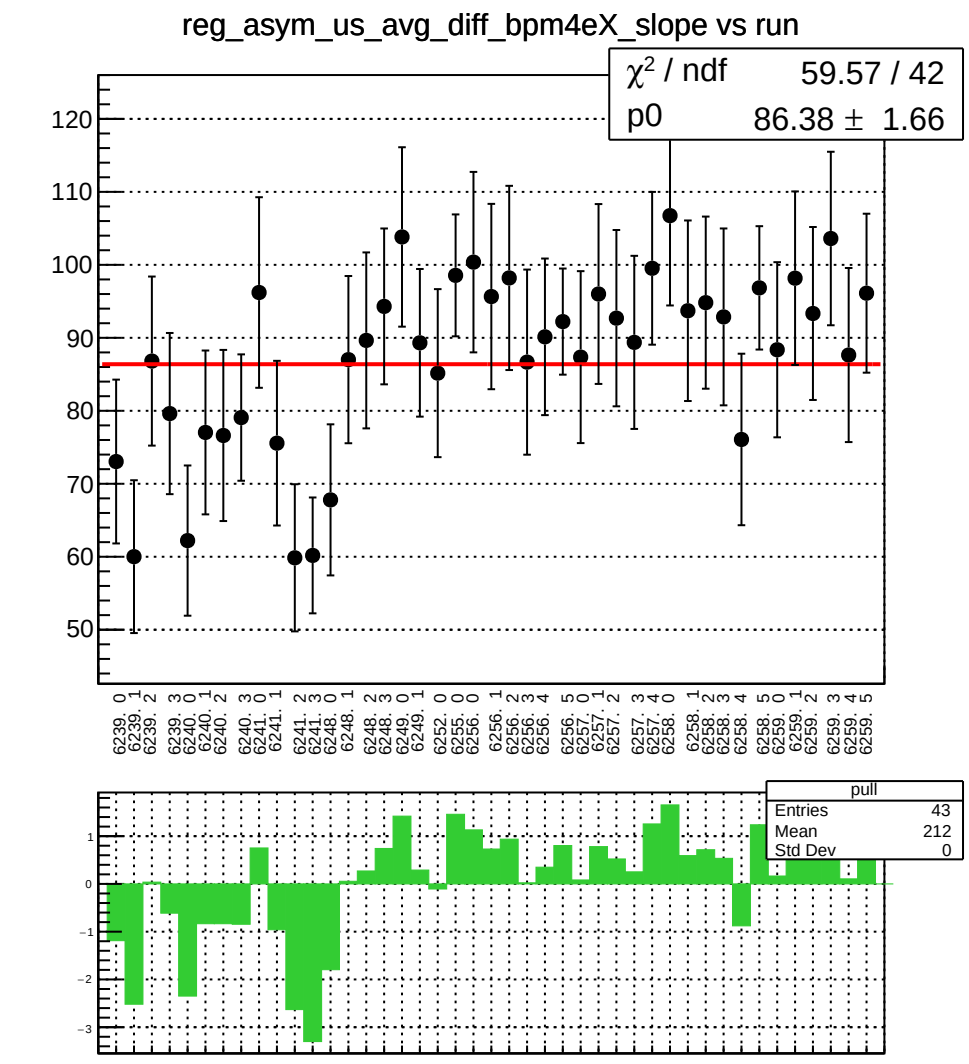

pull1D
Entries 43
Mean −0.002318
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

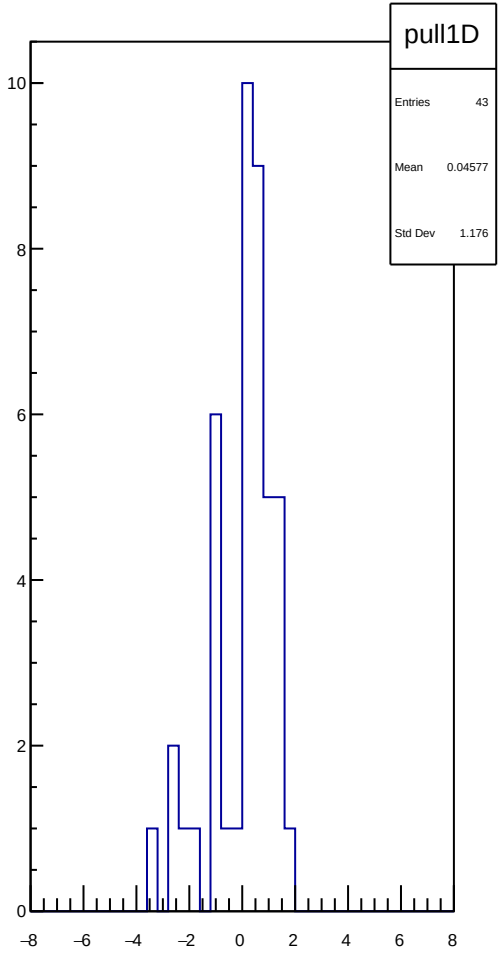

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 49.07 / 42
p0 −62.92 ± 1.38
−30
−40
−50
−60
−70
−80
−90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 222.9
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

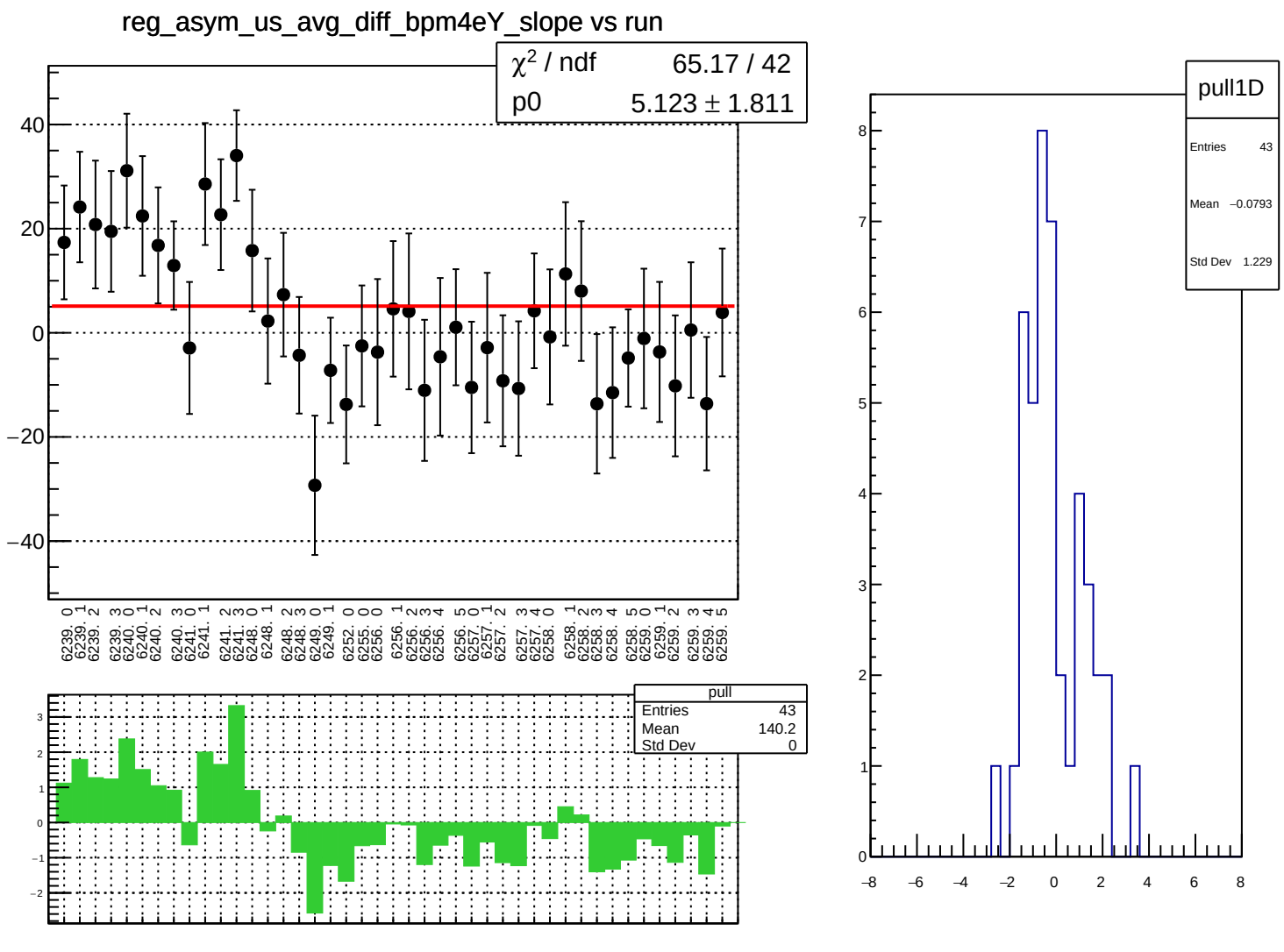

pull1D
Entries 43
Mean −0.03676
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

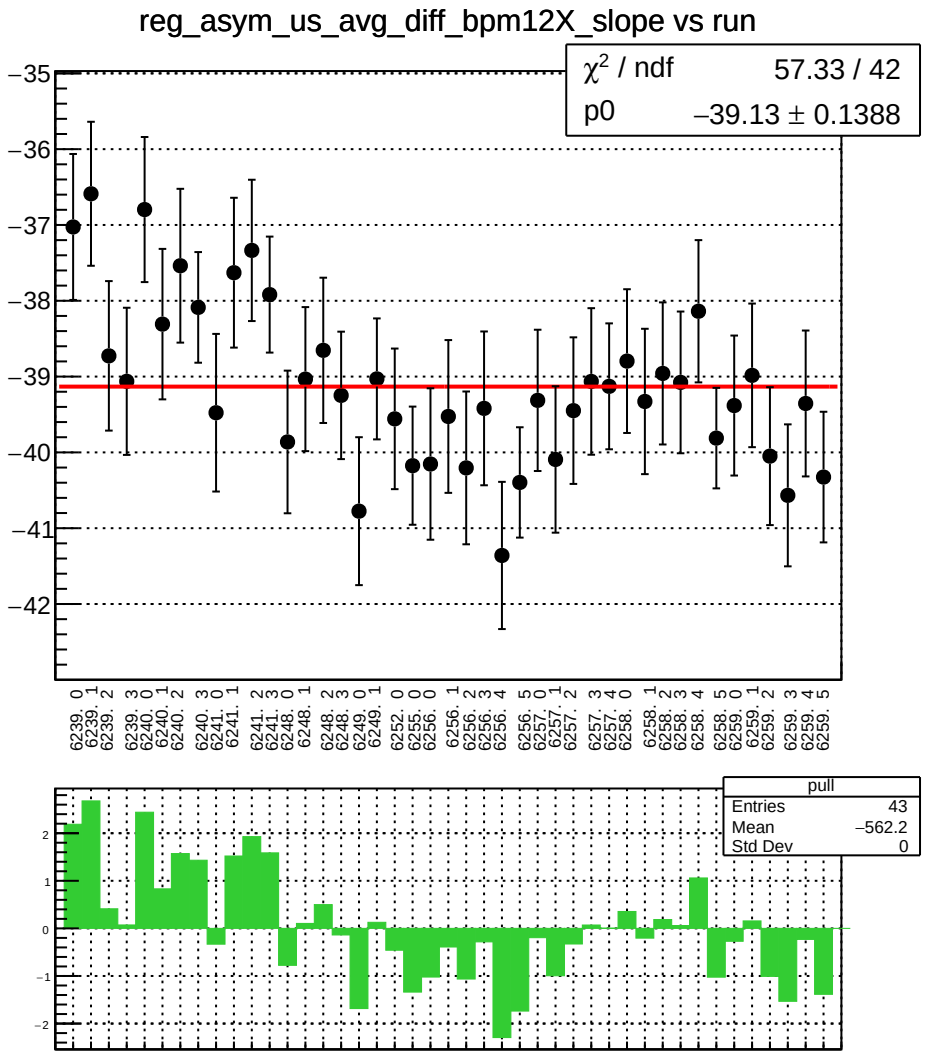

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.53 / 42
p0 11.29 ± 1.655
pull
Entries 43
Mean 143.5
Std Dev 0

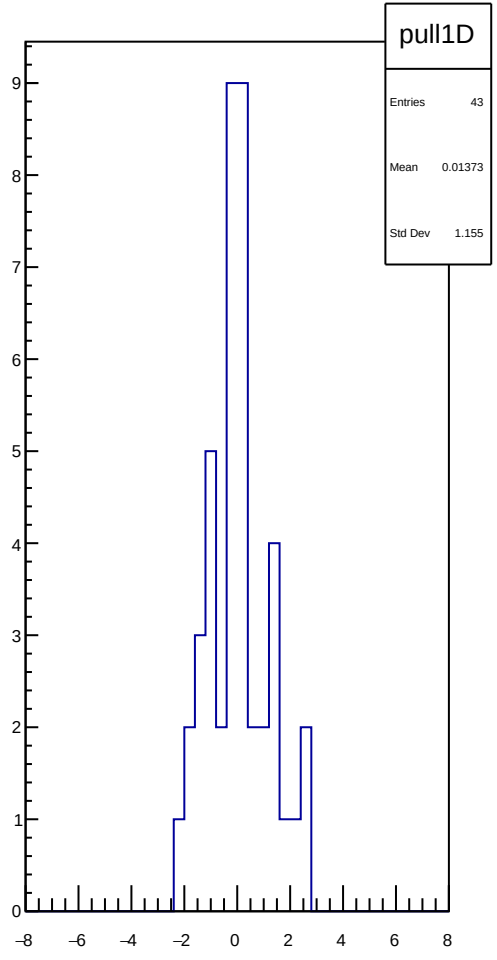

pull1D
Entries 43
Mean 0.07224
Std Dev 1.164

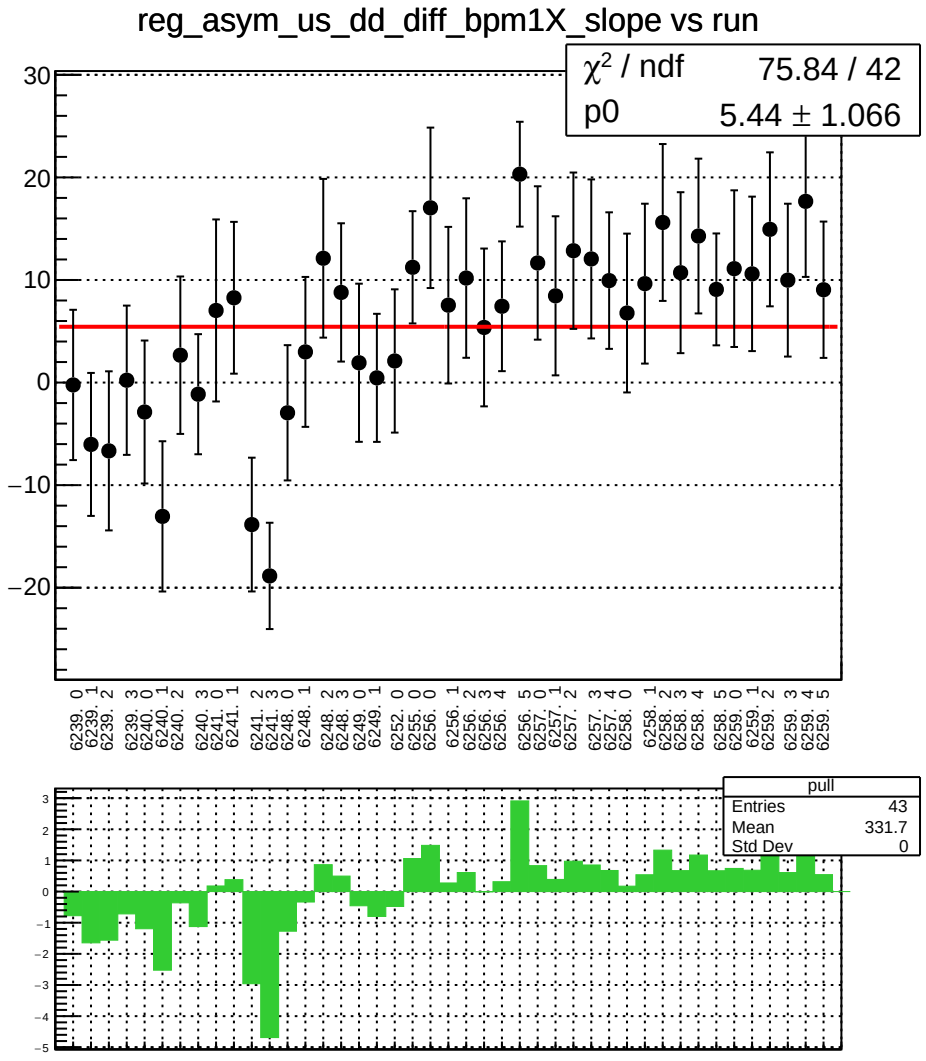

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.57 / 42
p0 86.38 ± 1.66
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 212
Std Dev 0
1
0
−1
−2
−3

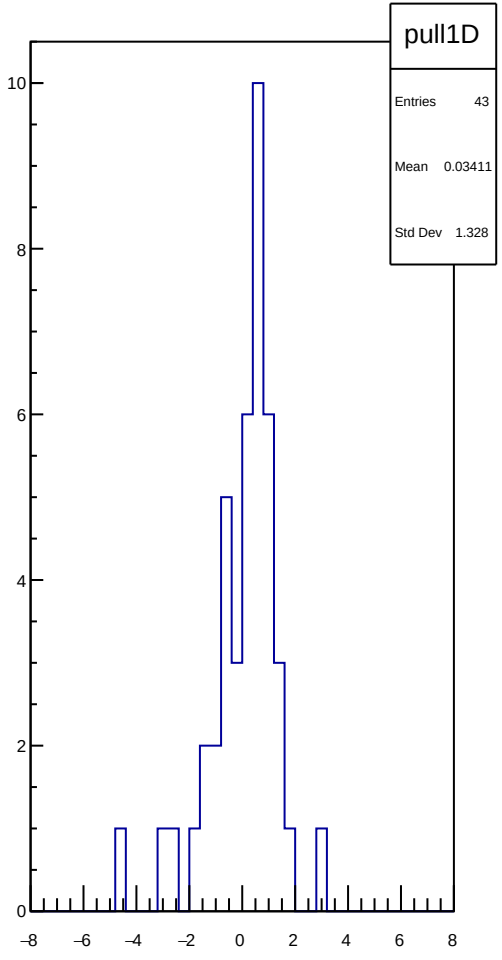

pull1D
Entries 43
Mean 0.04577
Std Dev 1.176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

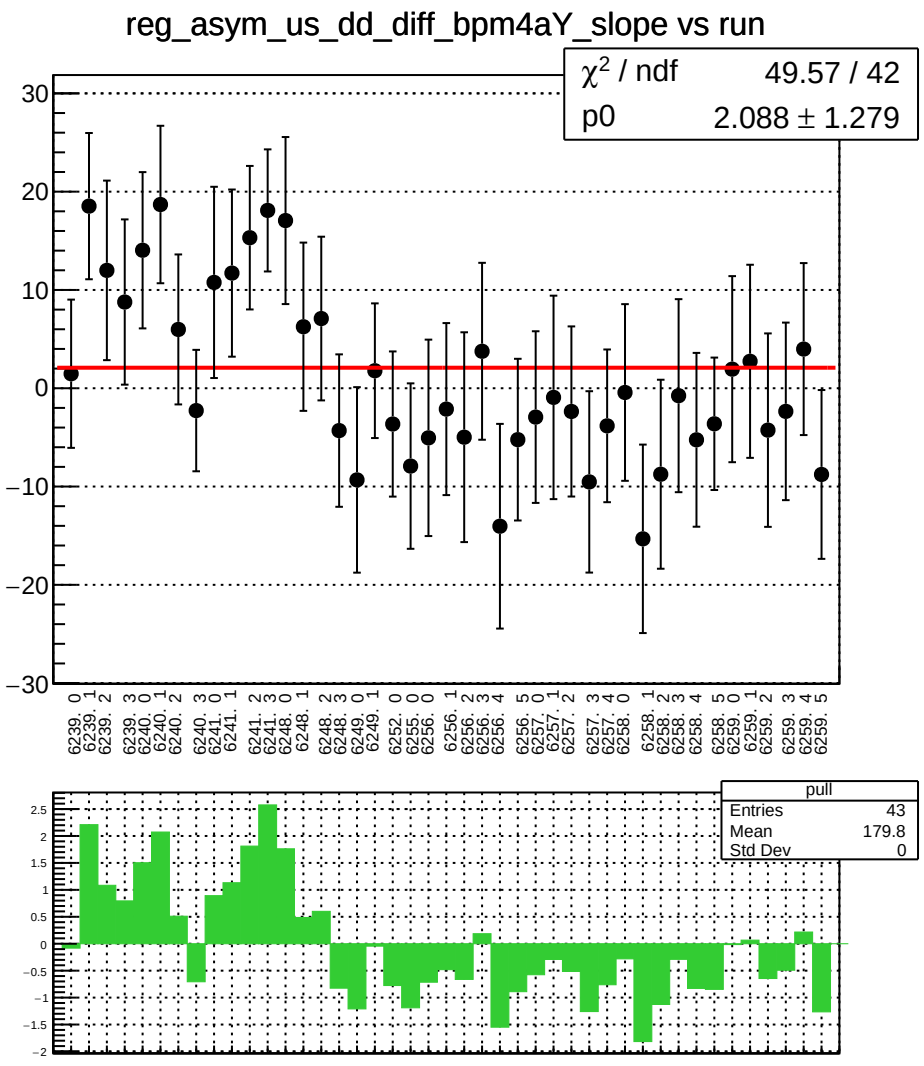

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.17 / 42
p0 5.123 ± 1.811
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 140.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.0793
Std Dev 1.229
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

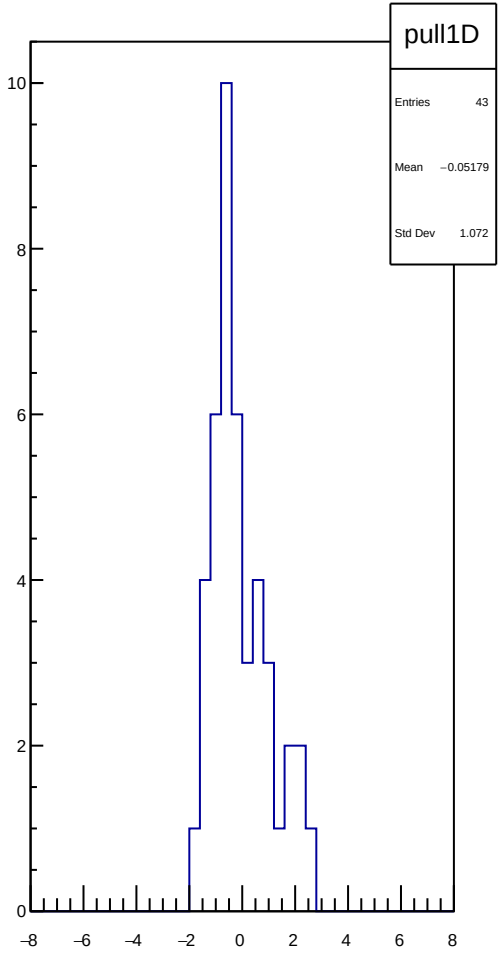

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 57.33 / 42
p0 −39.13 ± 0.1388
−35
−36
−37
−38
−39
−40
−41
−42
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −562.2
Std Dev 0
2
1
0
−1
−2

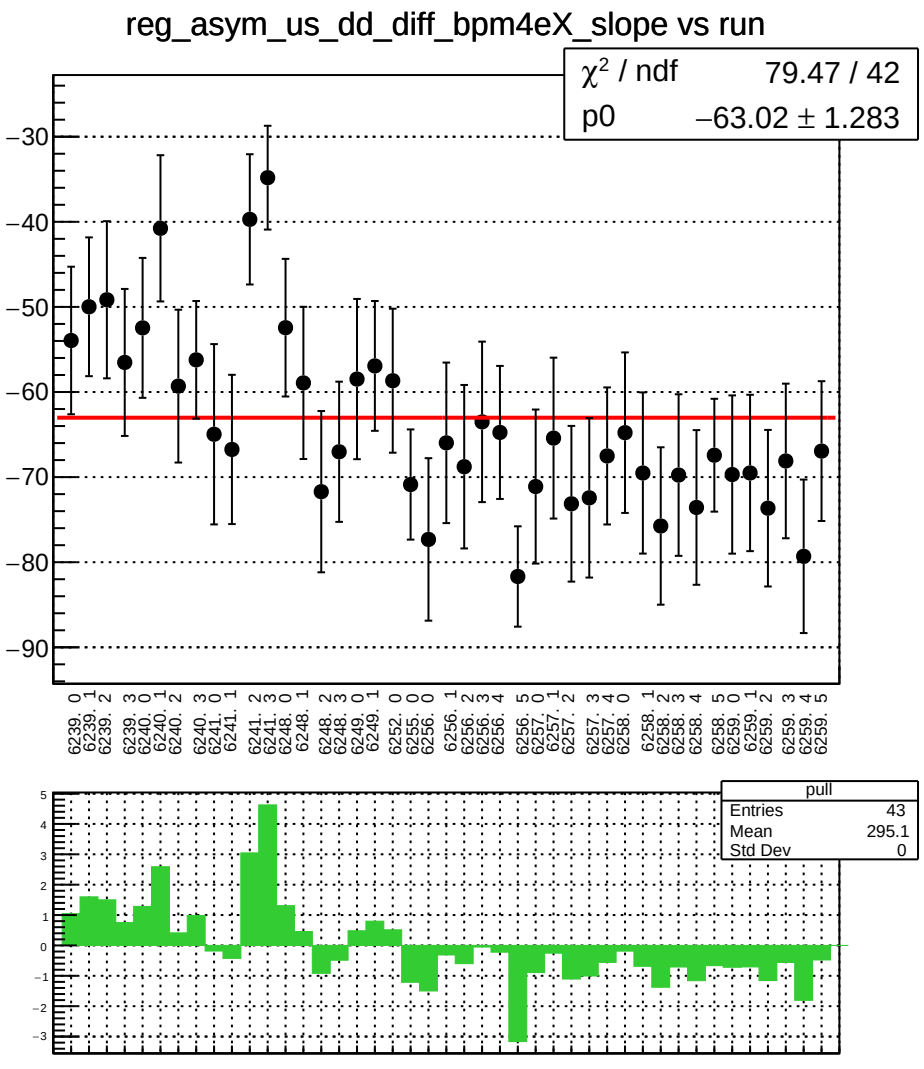

pull1D
Entries 43
Mean 0.01373
Std Dev 1.155
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

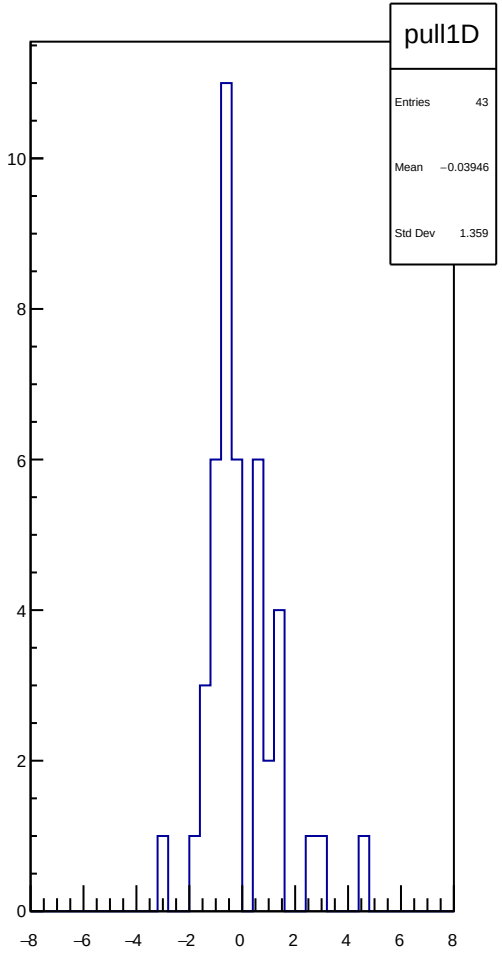

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 75.84 / 42
p0 5.44 ± 1.066
pull
Entries 43
Mean 331.7
Std Dev 0

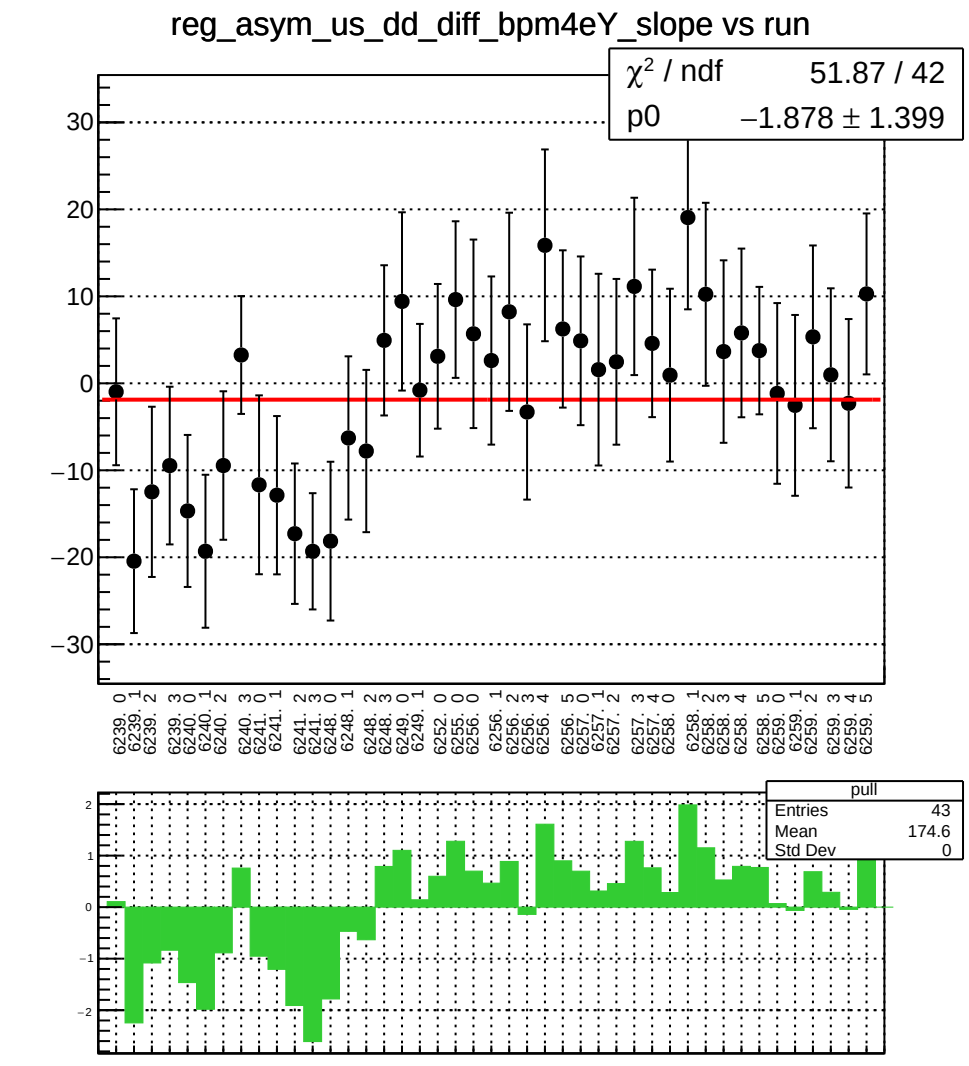

pull1D
Entries 43
Mean 0.03411
Std Dev 1.328

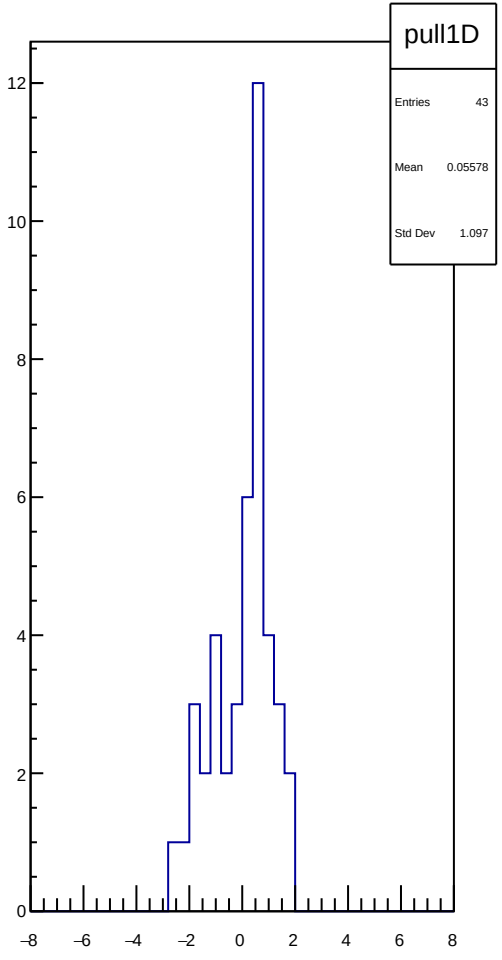

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.57 / 42
p0 2.088 ± 1.279
pull
Entries 43
Mean 179.8
Std Dev 0

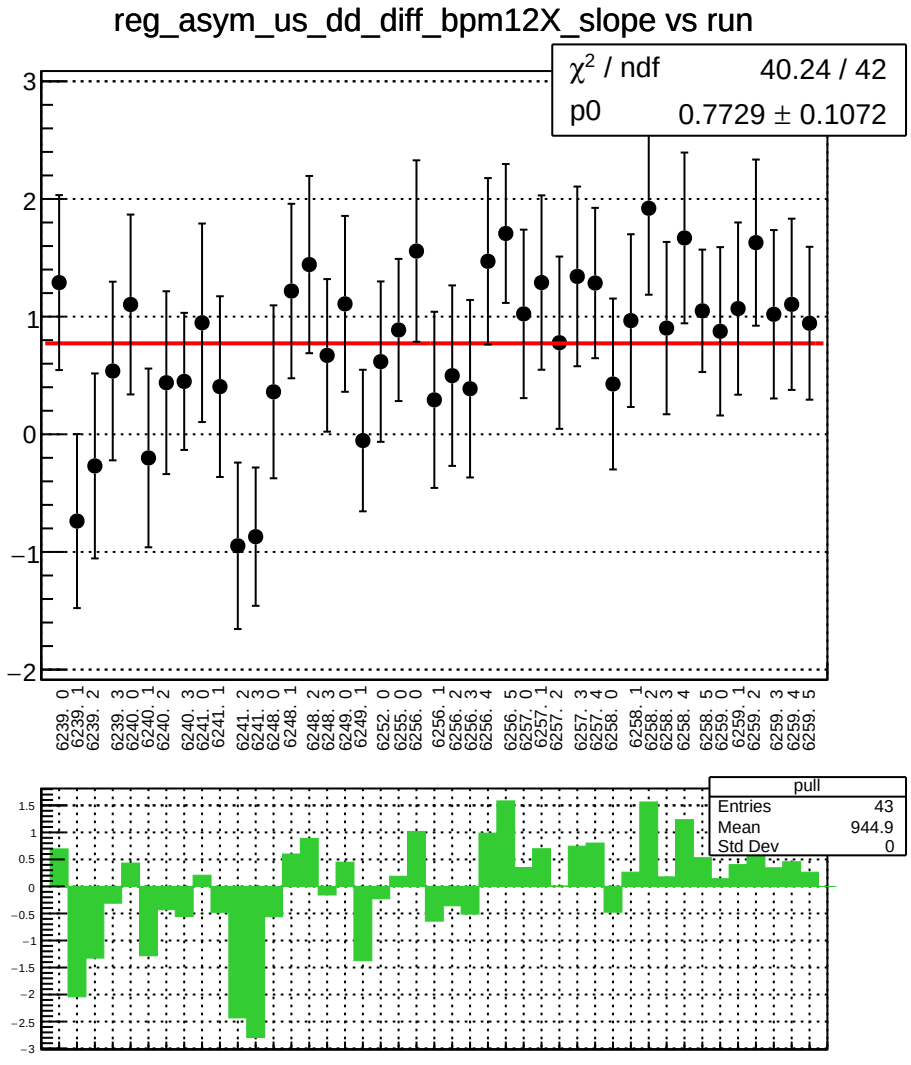

pull1D
Entries 43
Mean −0.05179
Std Dev 1.072

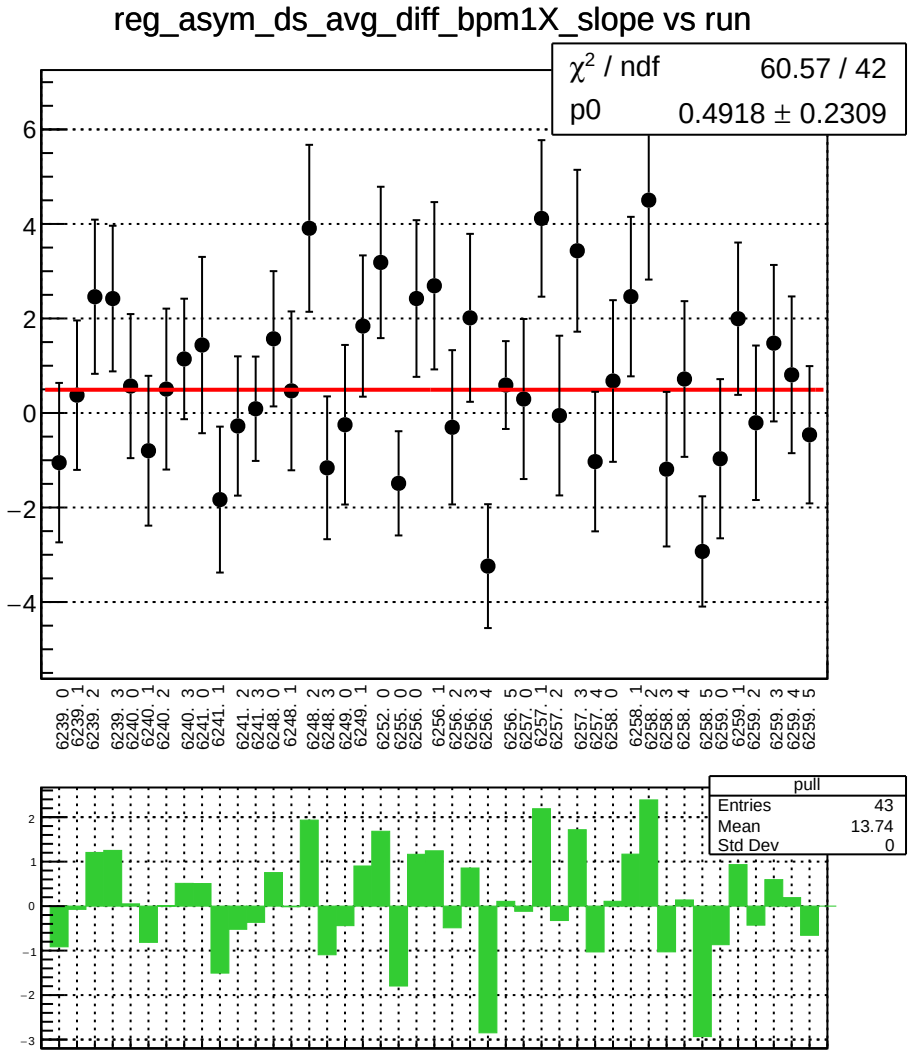

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.47 / 42
p0 −63.02 ± 1.283
−30
−40
−50
−60
−70
−80
−90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 295.1
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

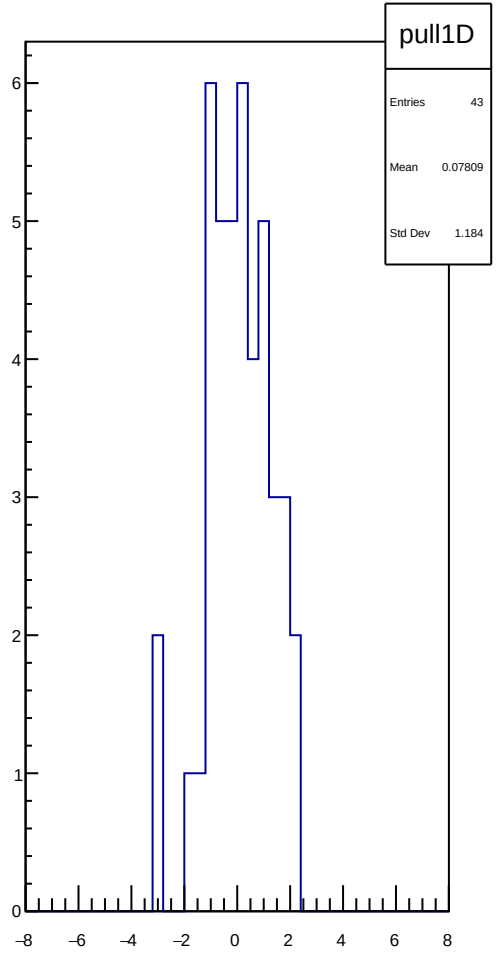

pull1D
Entries 43
Mean −0.03946
Std Dev 1.359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

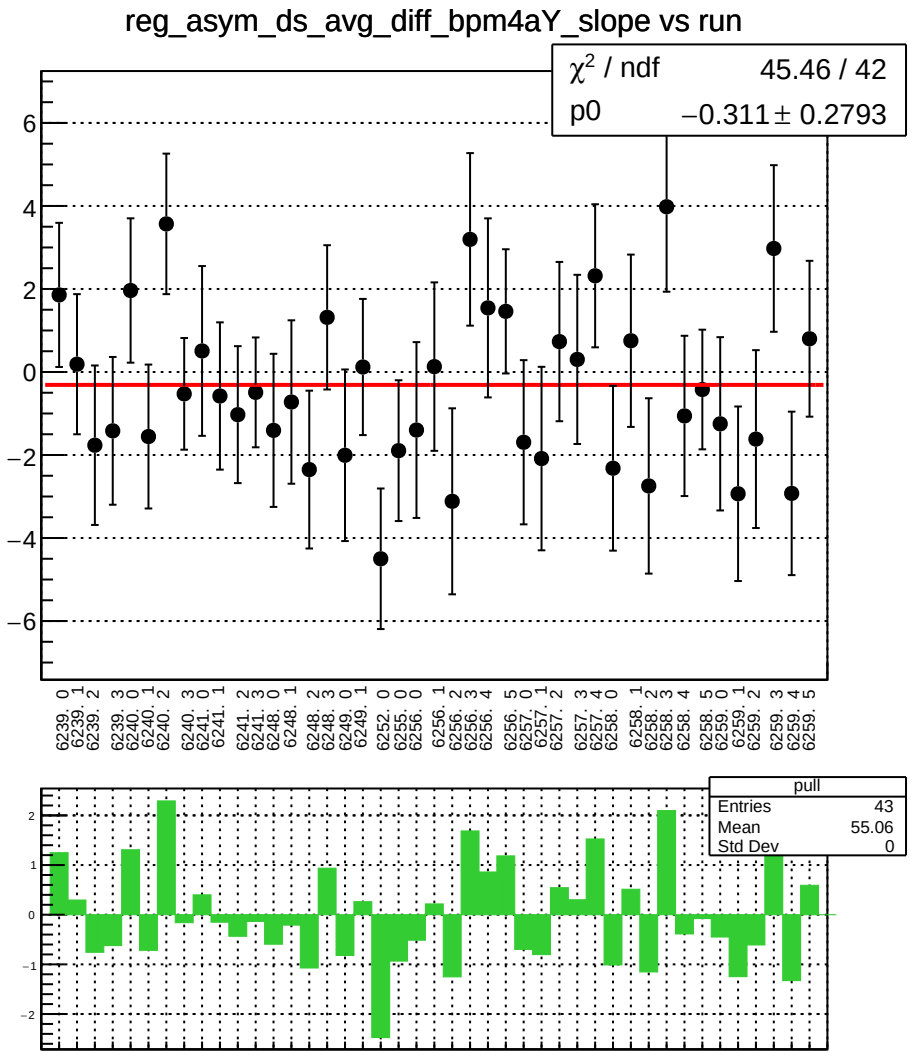

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.87 / 42
p0 −1.878 ± 1.399
pull
Entries 43
Mean 174.6
Std Dev 0

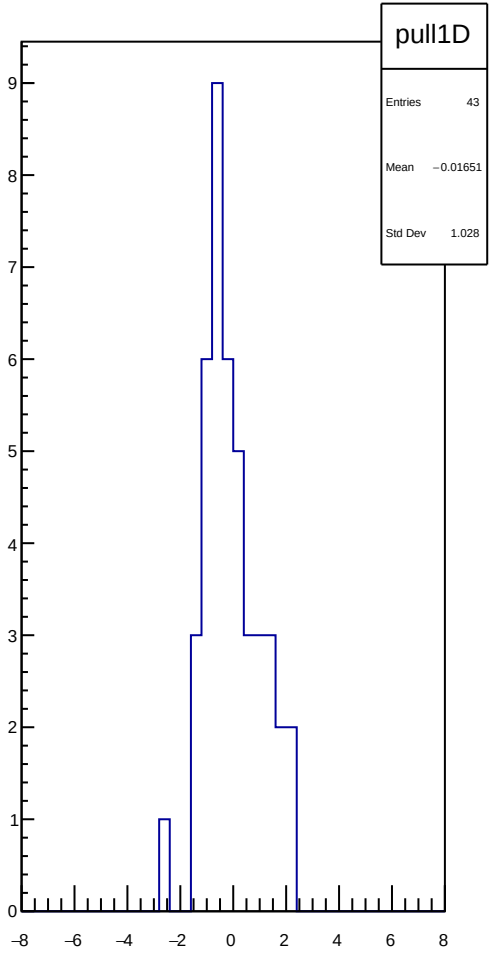

pull1D
Entries 43
Mean 0.05578
Std Dev 1.097

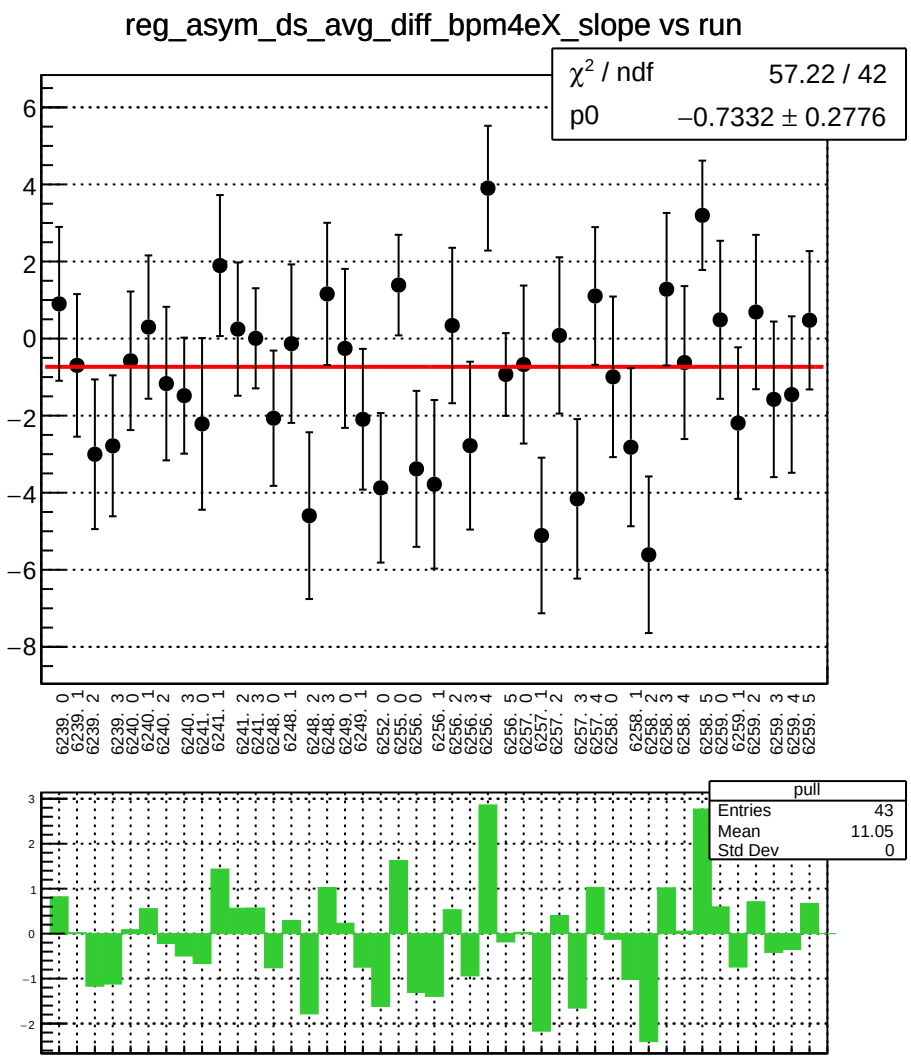

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 40.24 / 42
p0 0.7729 ± 0.1072
pull
Entries 43
Mean 944.9
Std Dev 0
pull1D
Entries 43
Mean 0.006633
Std Dev 0.9673

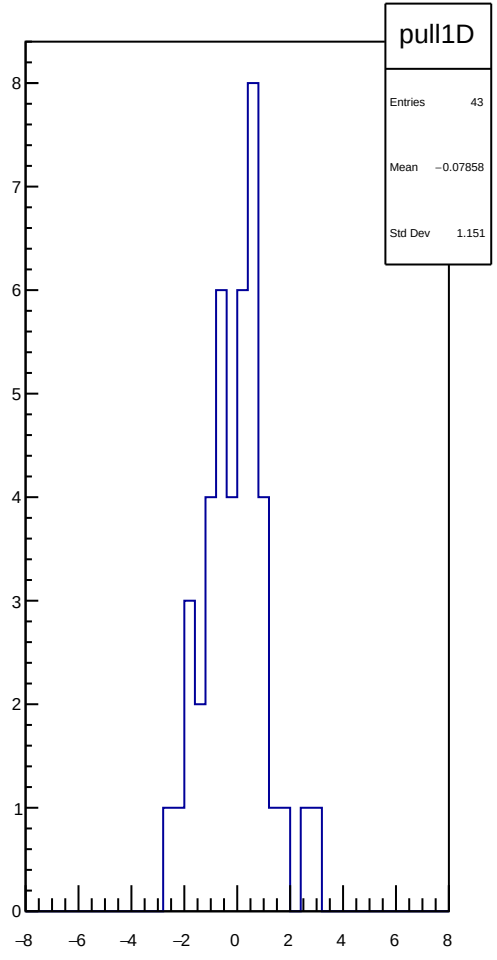

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 60.57 / 42
p0 0.4918 ± 0.2309
pull
Entries 43
Mean 13.74
Std Dev 0

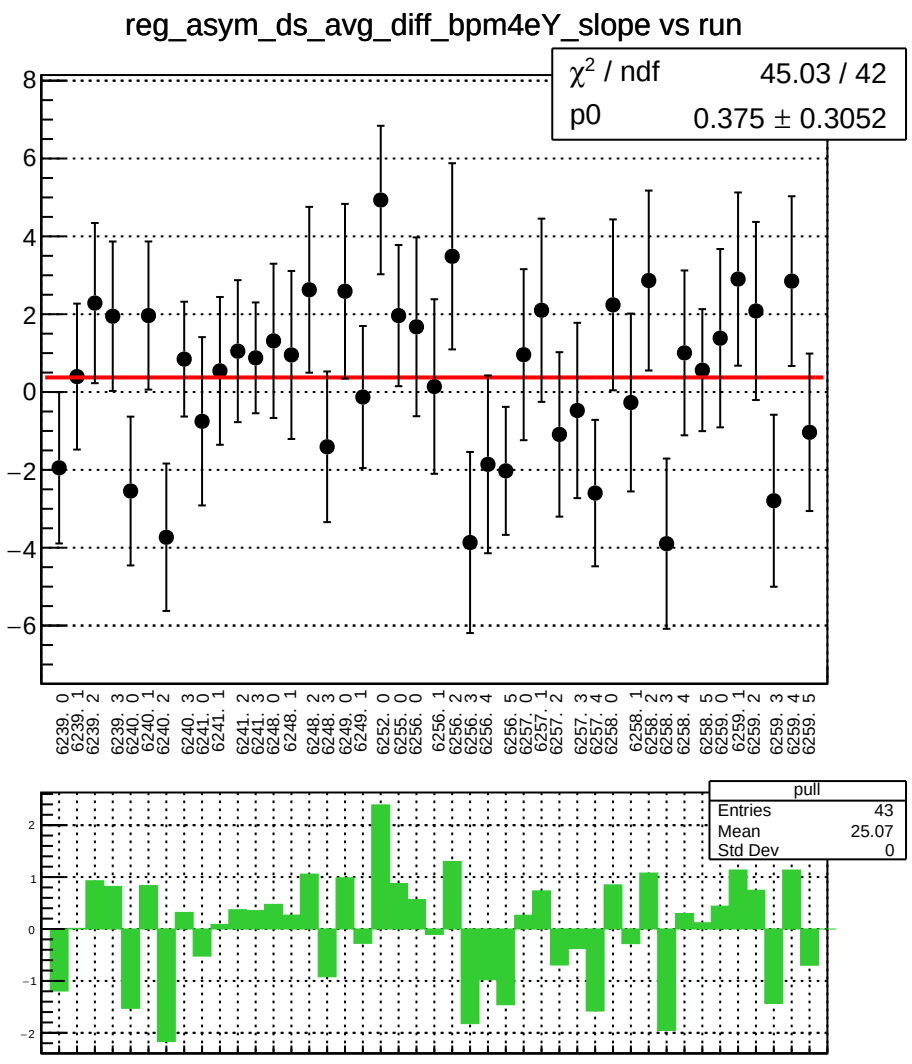

pull1D
Entries 43
Mean 0.07809
Std Dev 1.184

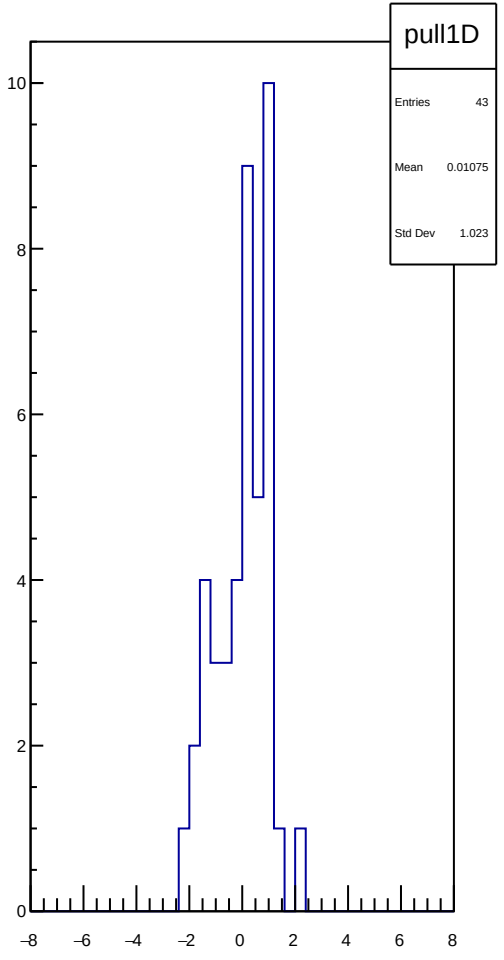

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.46 / 42
p0 −0.311 ± 0.2793
pull
Entries 43
Mean 55.06
Std Dev 0

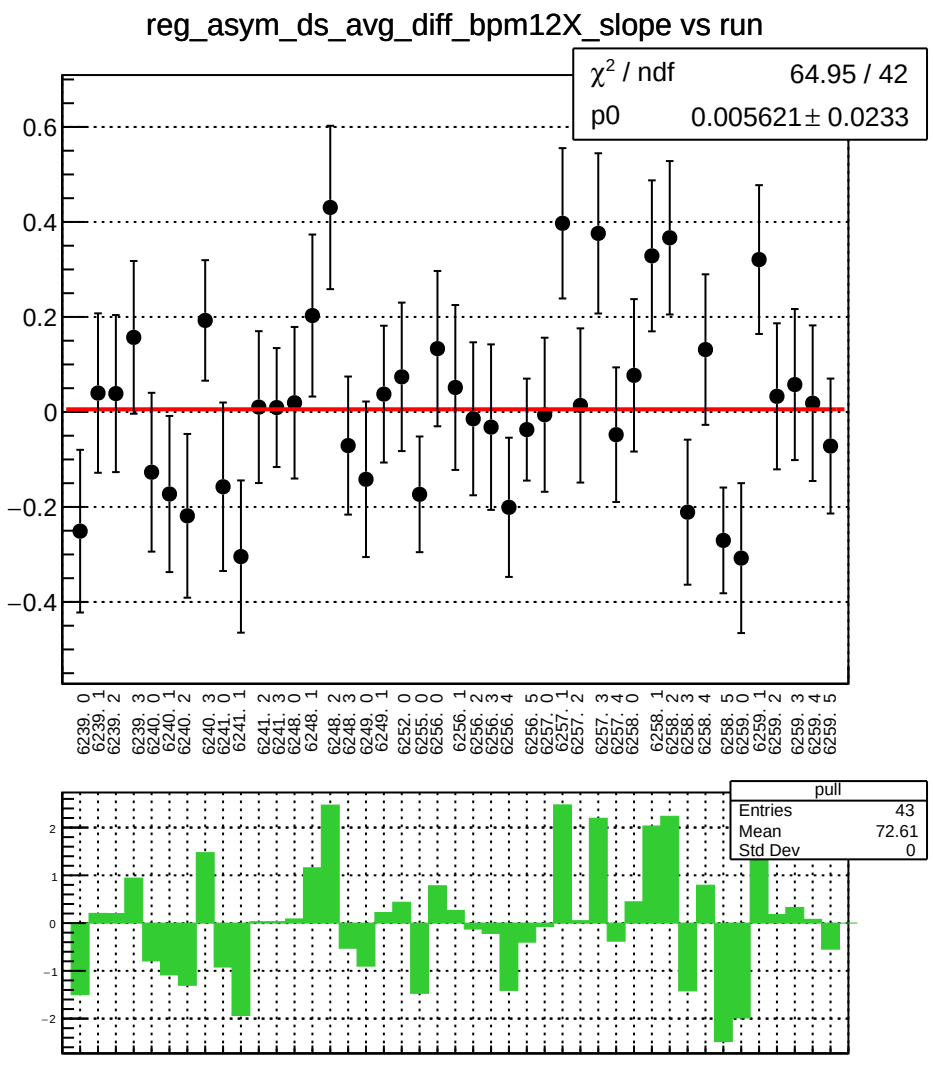

pull1D
Entries 43
Mean −0.01651
Std Dev 1.028

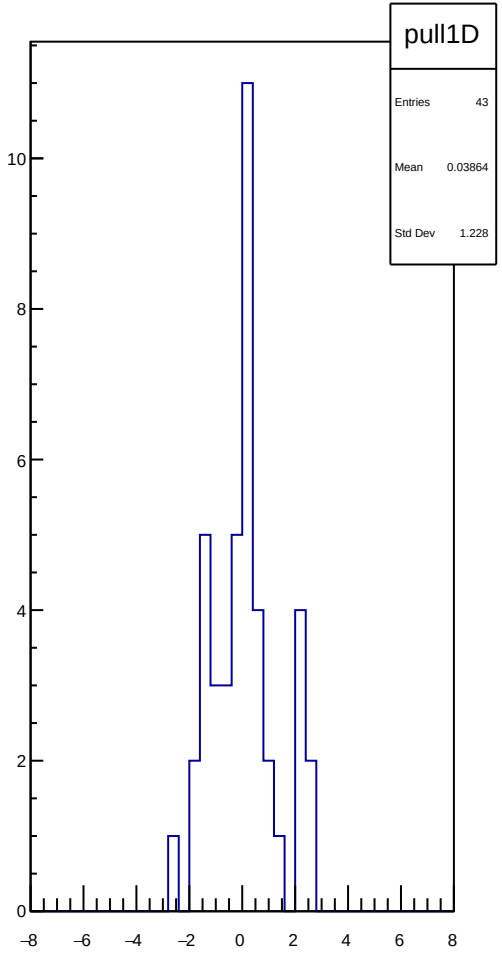

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.22 / 42
p0 −0.7332 ± 0.2776
pull
Entries 43
Mean 11.05
Std Dev 0

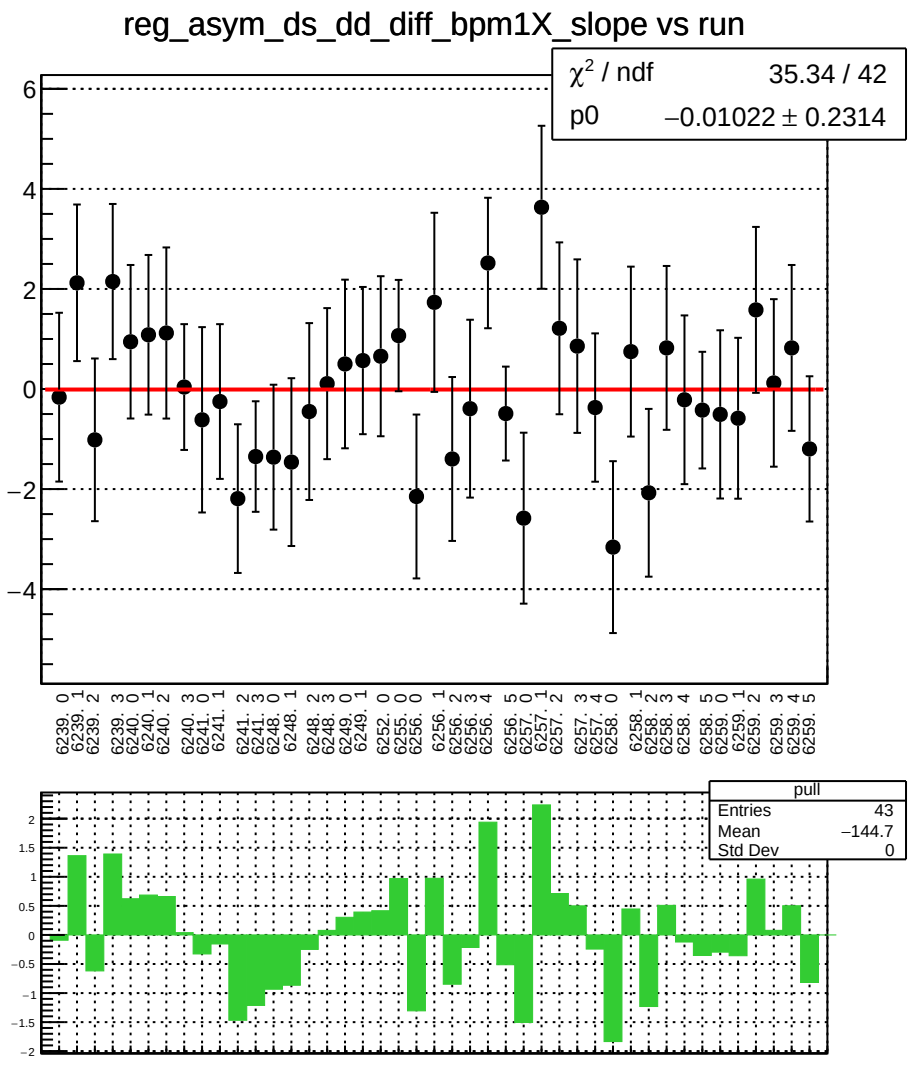

pull1D
Entries 43
Mean −0.07858
Std Dev 1.151

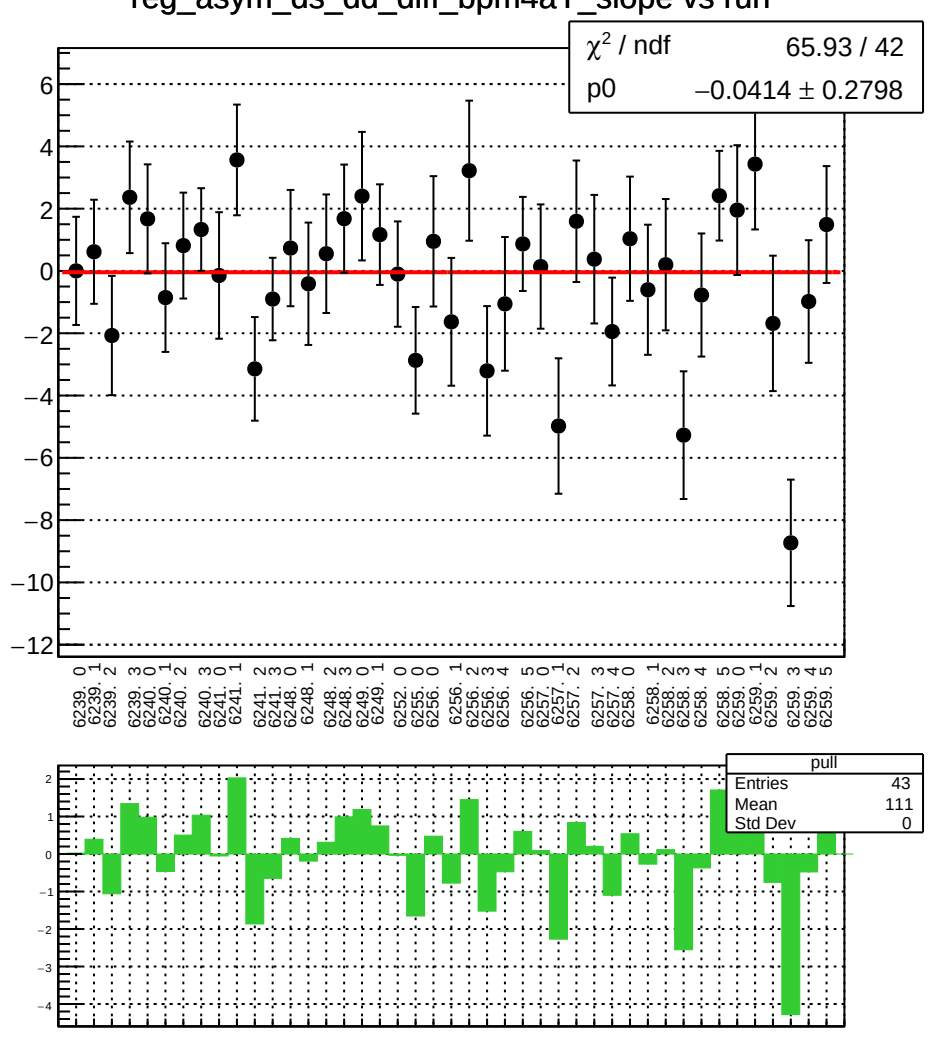

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.03 / 42
p0 0.375 ± 0.3052
pull
Entries 43
Mean 25.07
Std Dev 0

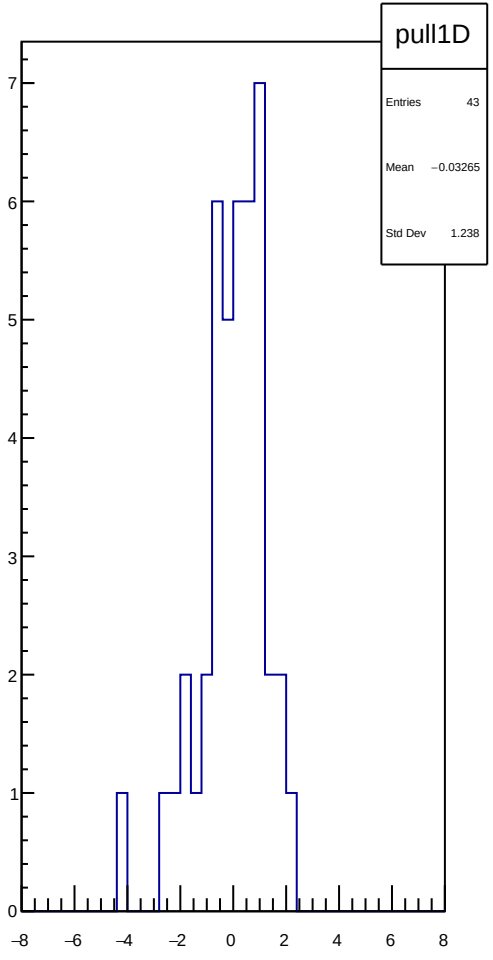

pull1D
Entries 43
Mean 0.01075
Std Dev 1.023

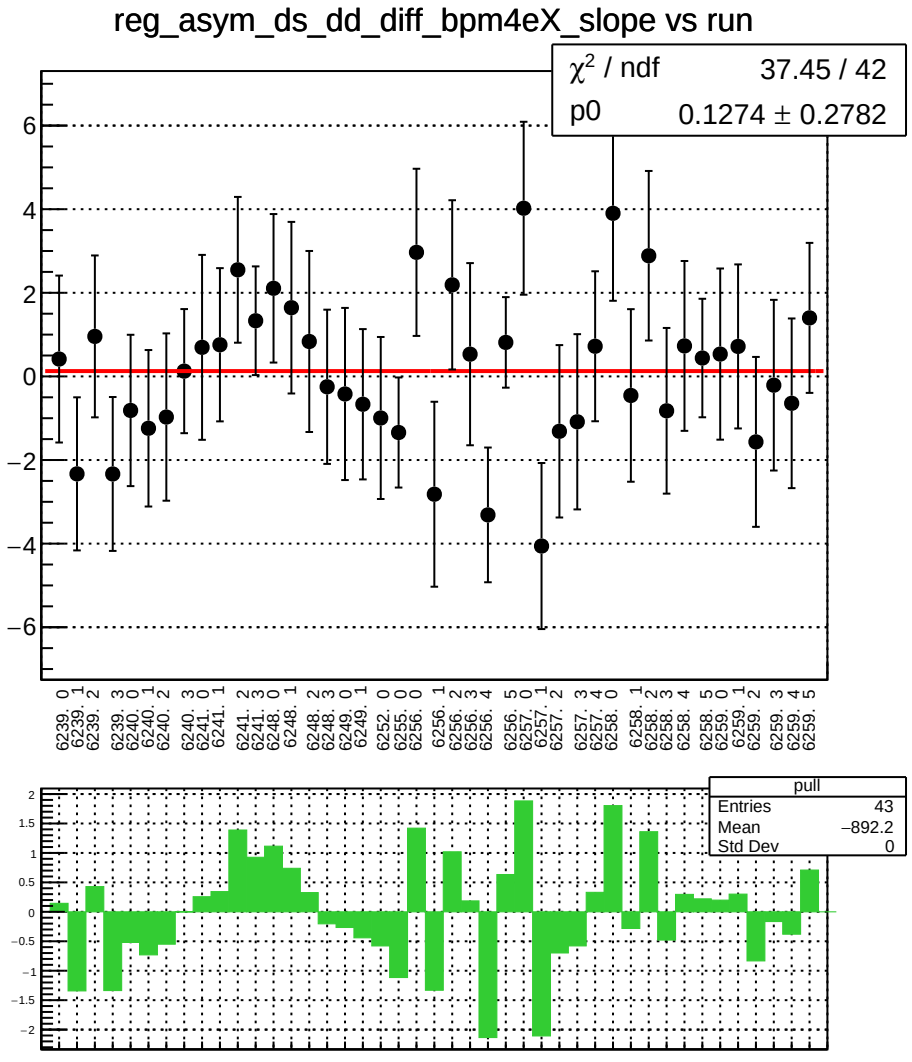

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 64.95 / 42
p0 0.005621 ± 0.0233
0.6
0.4
0.2
0
−0.2
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 72.61
Std Dev 0
2
1
0
−1
−2

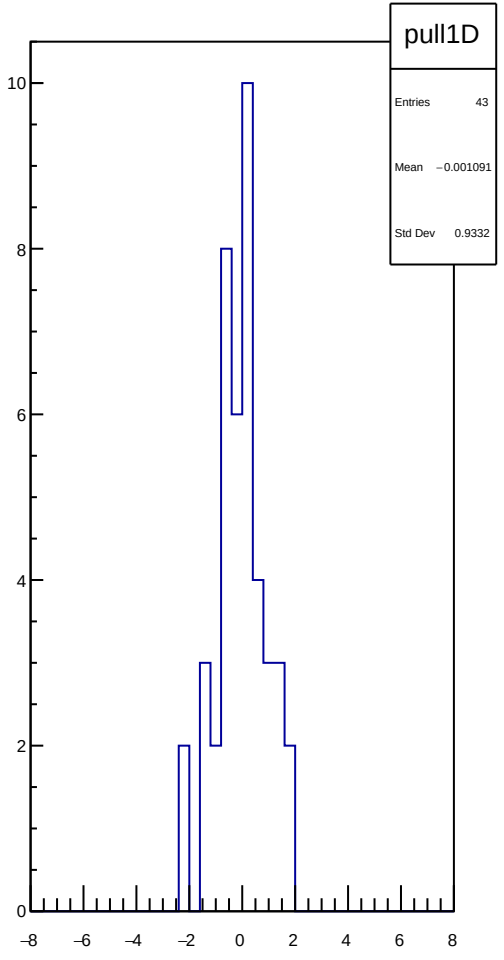

pull1D
Entries 43
Mean 0.03864
Std Dev 1.228
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

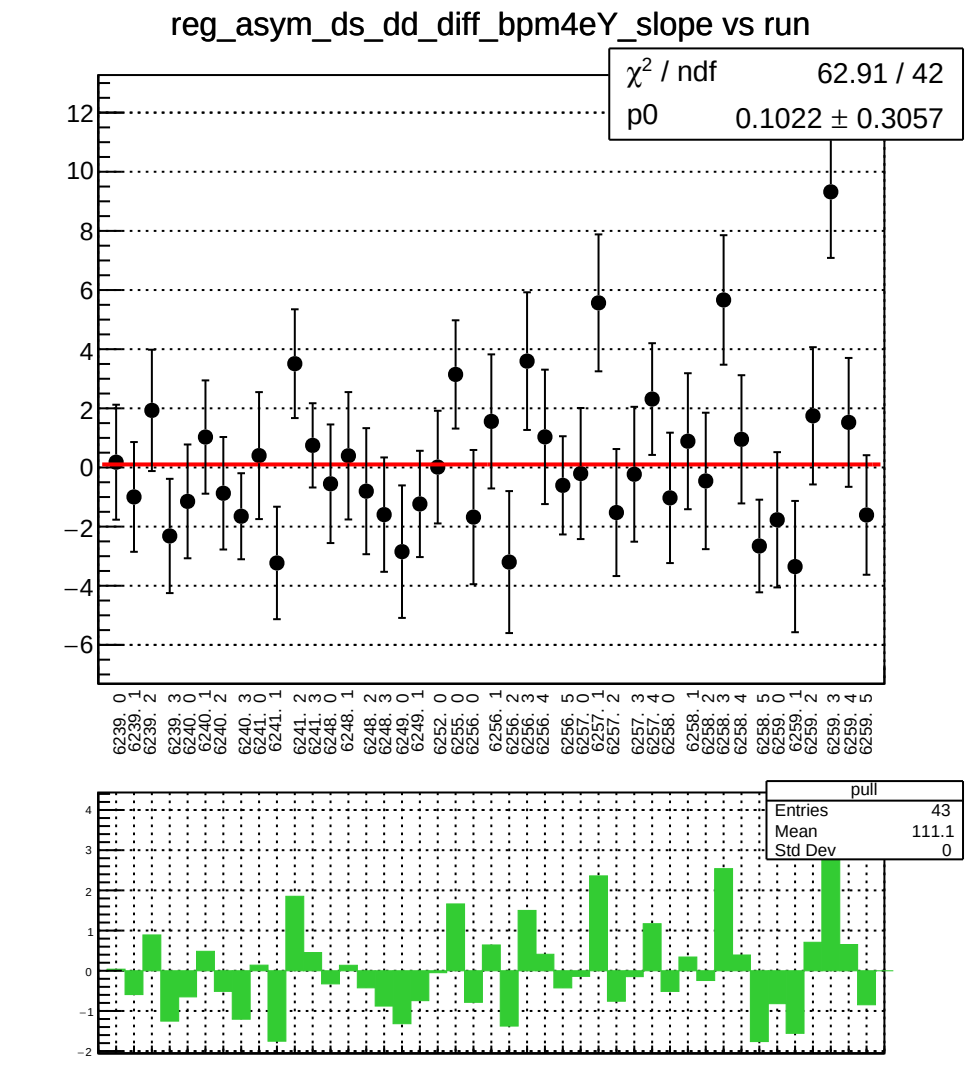

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 35.34 / 42
p0 −0.01022 ± 0.2314
6
4
2
0
−2
−4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −144.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.00521
Std Dev 0.9066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

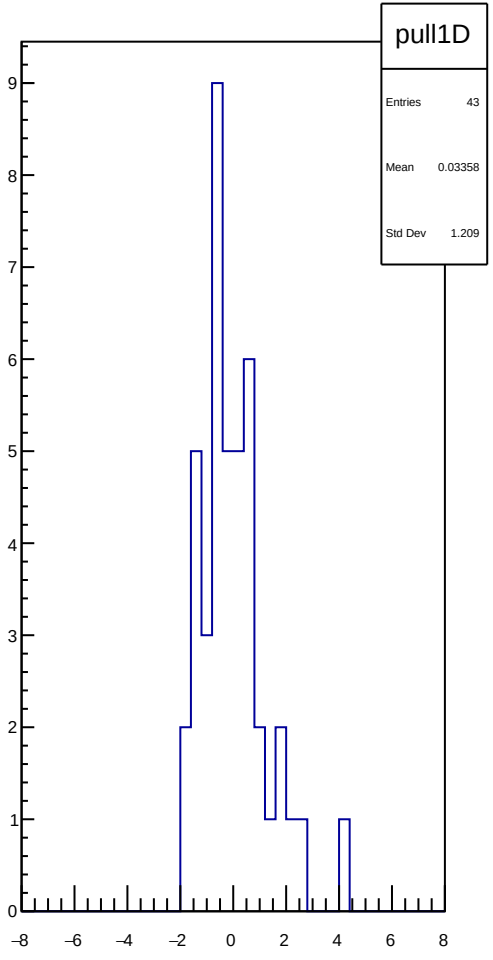

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.93 / 42
p0 −0.0414 ± 0.2798
pull
Entries 43
Mean 111
Std Dev 0

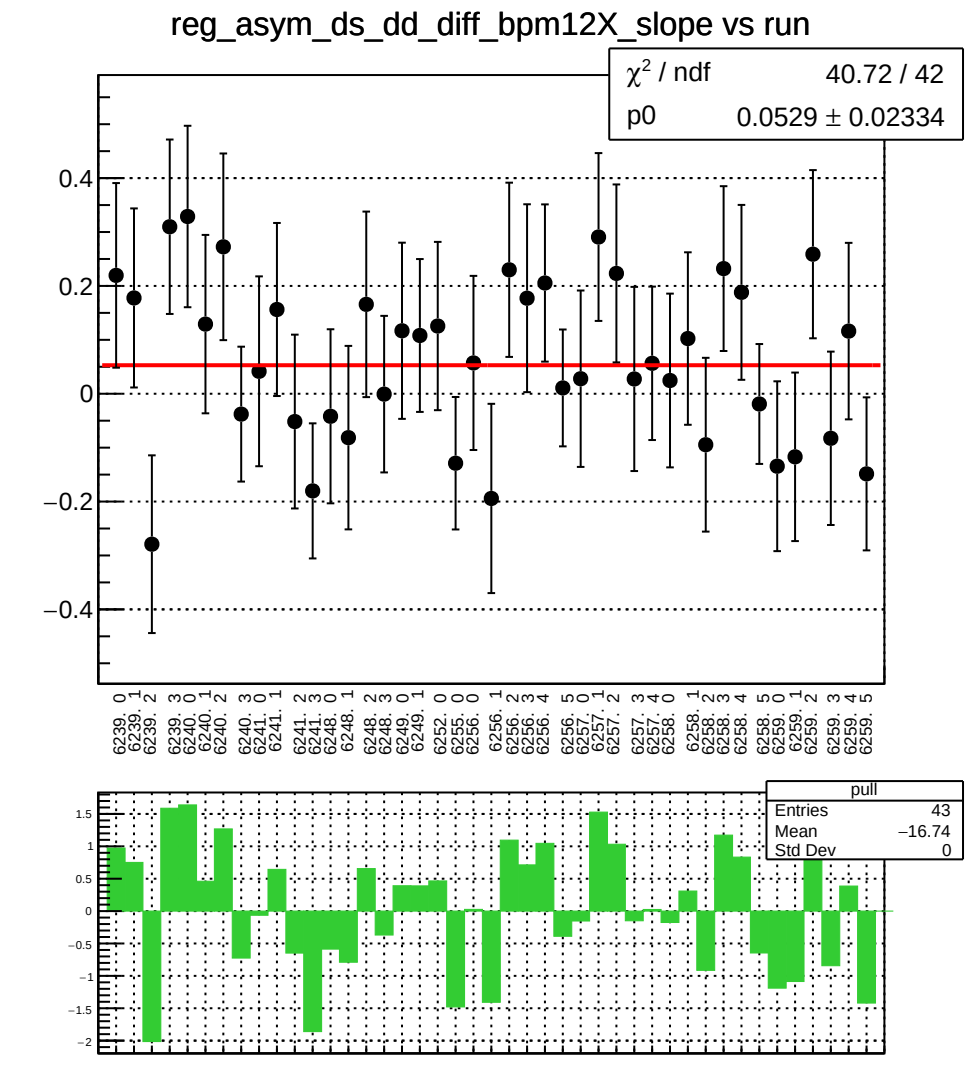

pull1D
Entries 43
Mean −0.03265
Std Dev 1.238

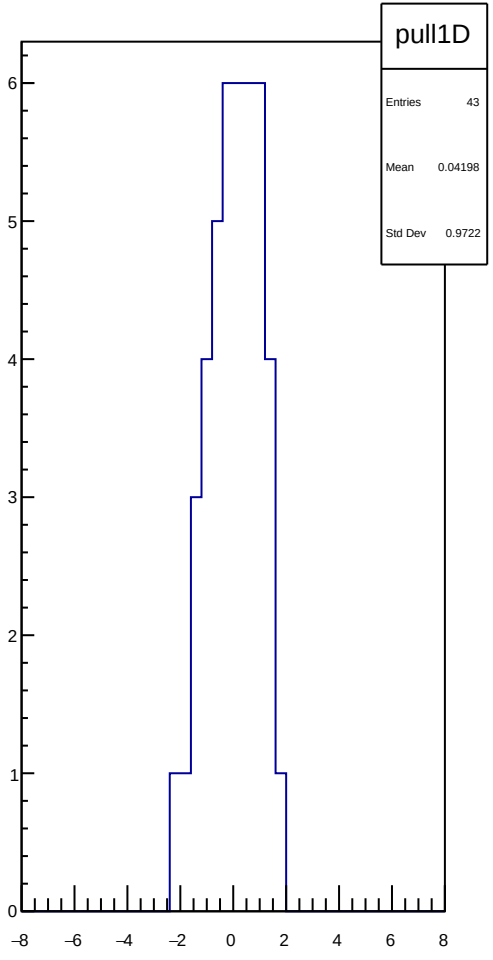

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.45 / 42
p0 0.1274 ± 0.2782
pull
Entries 43
Mean −892.2
Std Dev 0

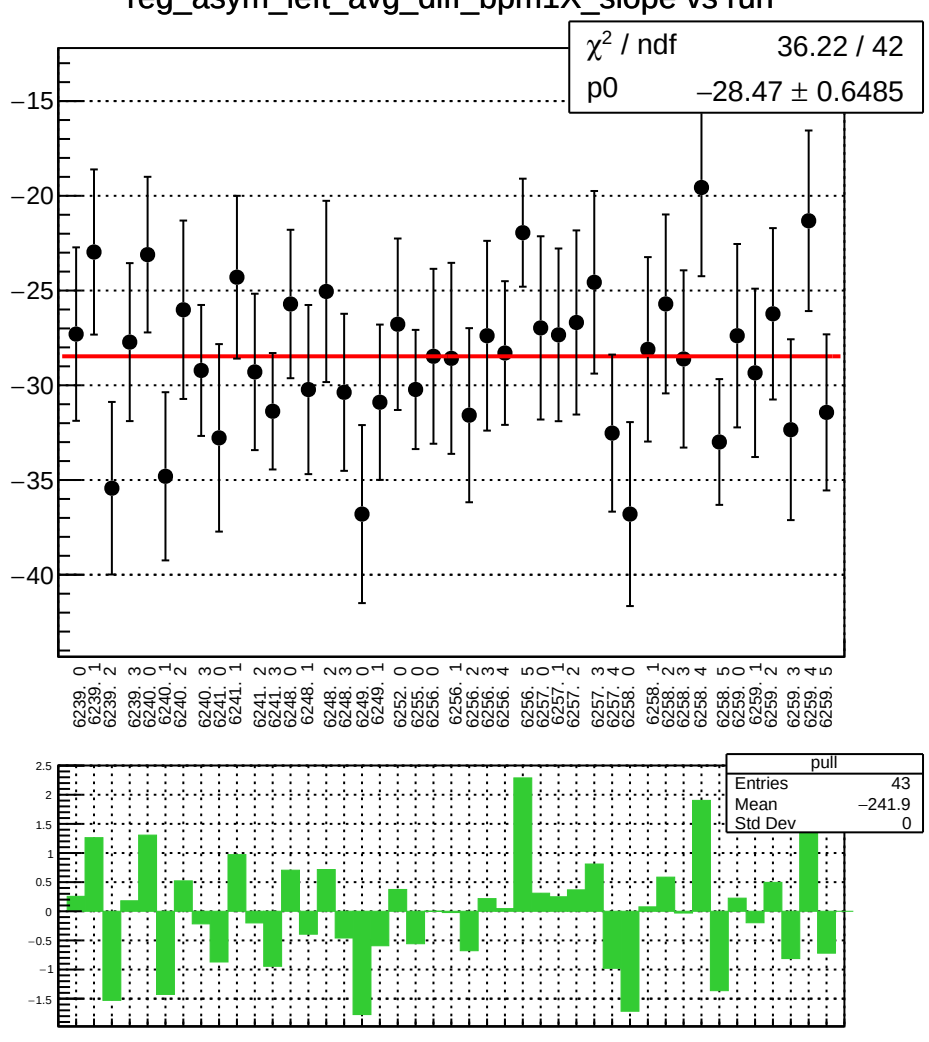

pull1D
Entries 43
Mean −0.001091
Std Dev 0.9332

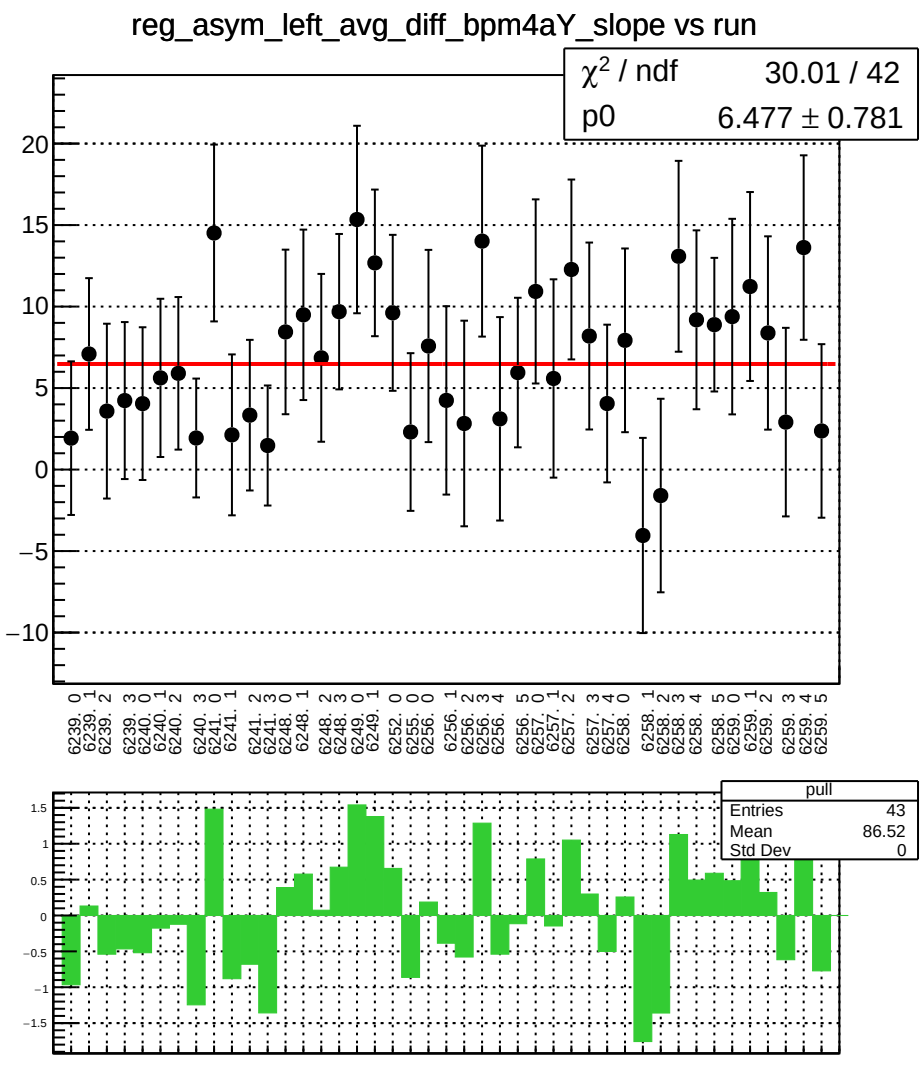

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.91 / 42
p0 0.1022 ± 0.3057
pull
Entries 43
Mean 111.1
Std Dev 0

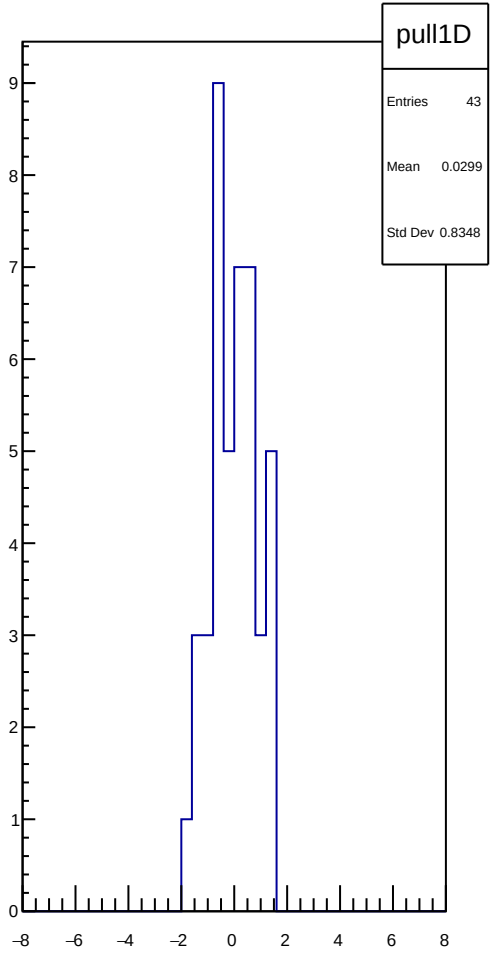

pull1D
Entries 43
Mean 0.03358
Std Dev 1.209

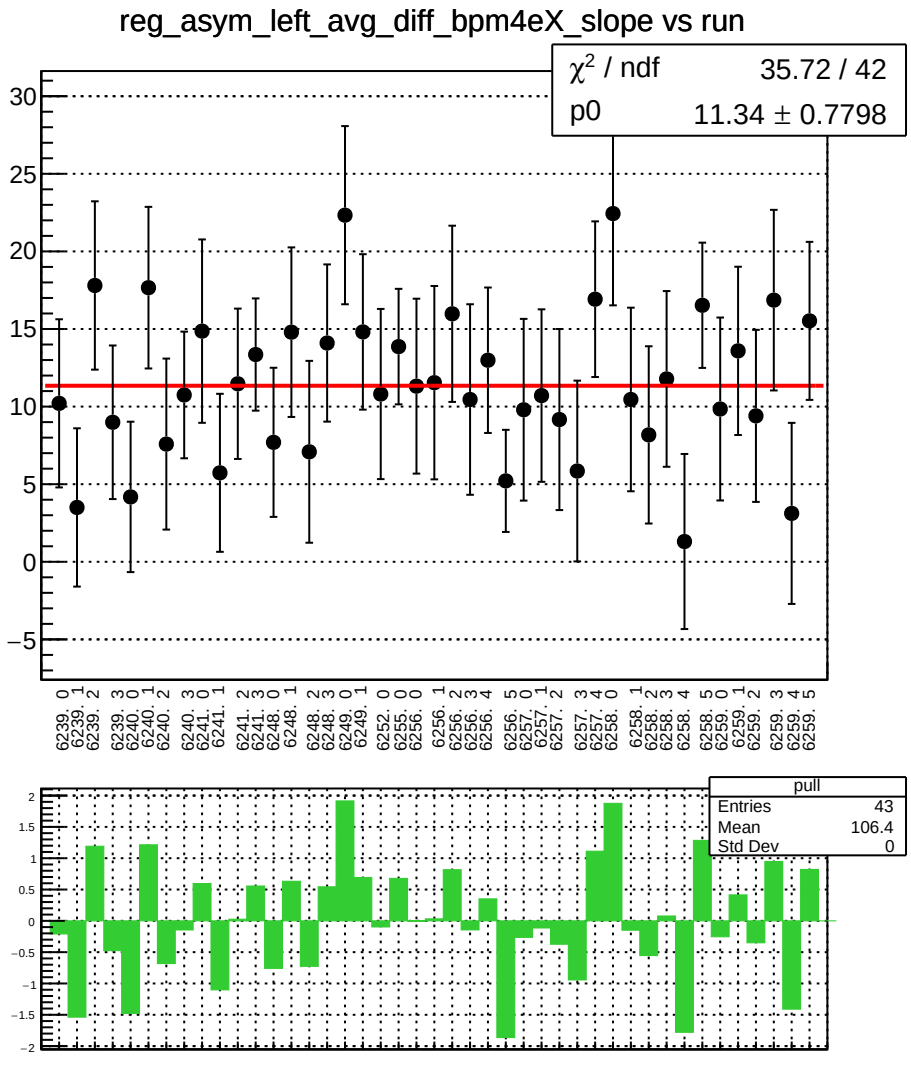

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 40.72 / 42
p0 0.0529 ± 0.02334
0.4
0.2
0
−0.2
−0.4
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

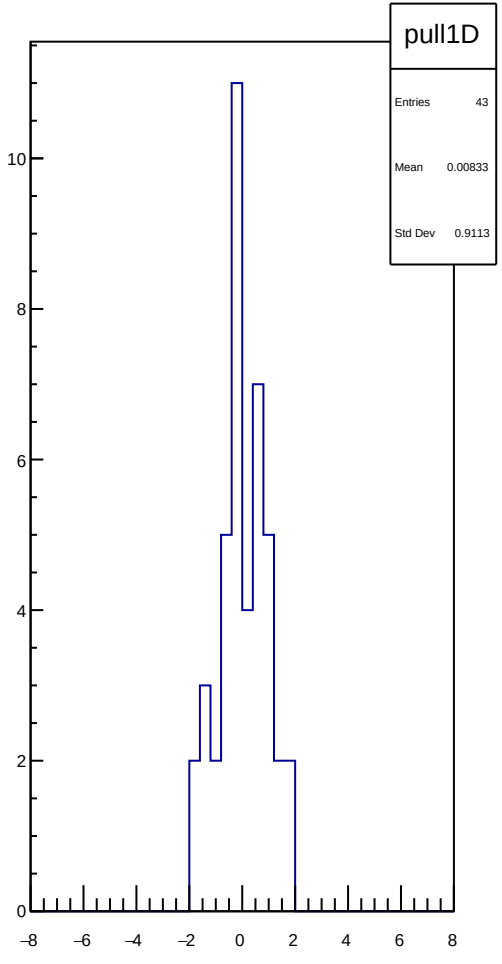

pull1D
Entries 43
Mean 0.04198
Std Dev 0.9722
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

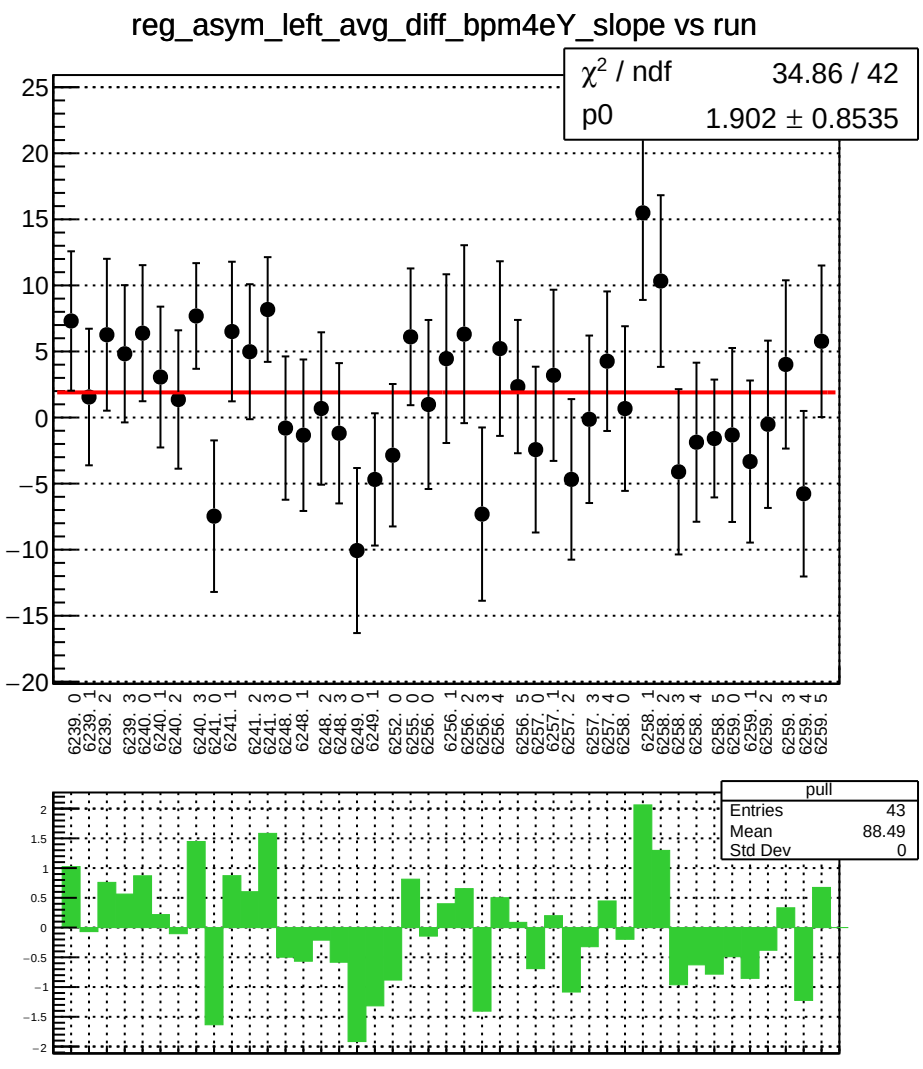

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 36.22 / 42
p0 −28.47 ± 0.6485
−15
−20
−25
−30
−35
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −241.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.002259
Std Dev 0.9178
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

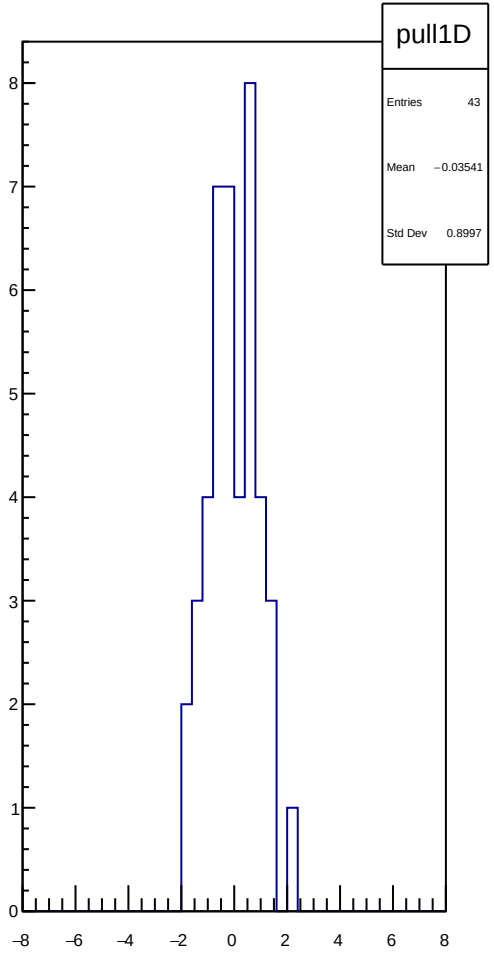

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.01 / 42
p0 6.477 ± 0.781
pull
Entries 43
Mean 86.52
Std Dev 0

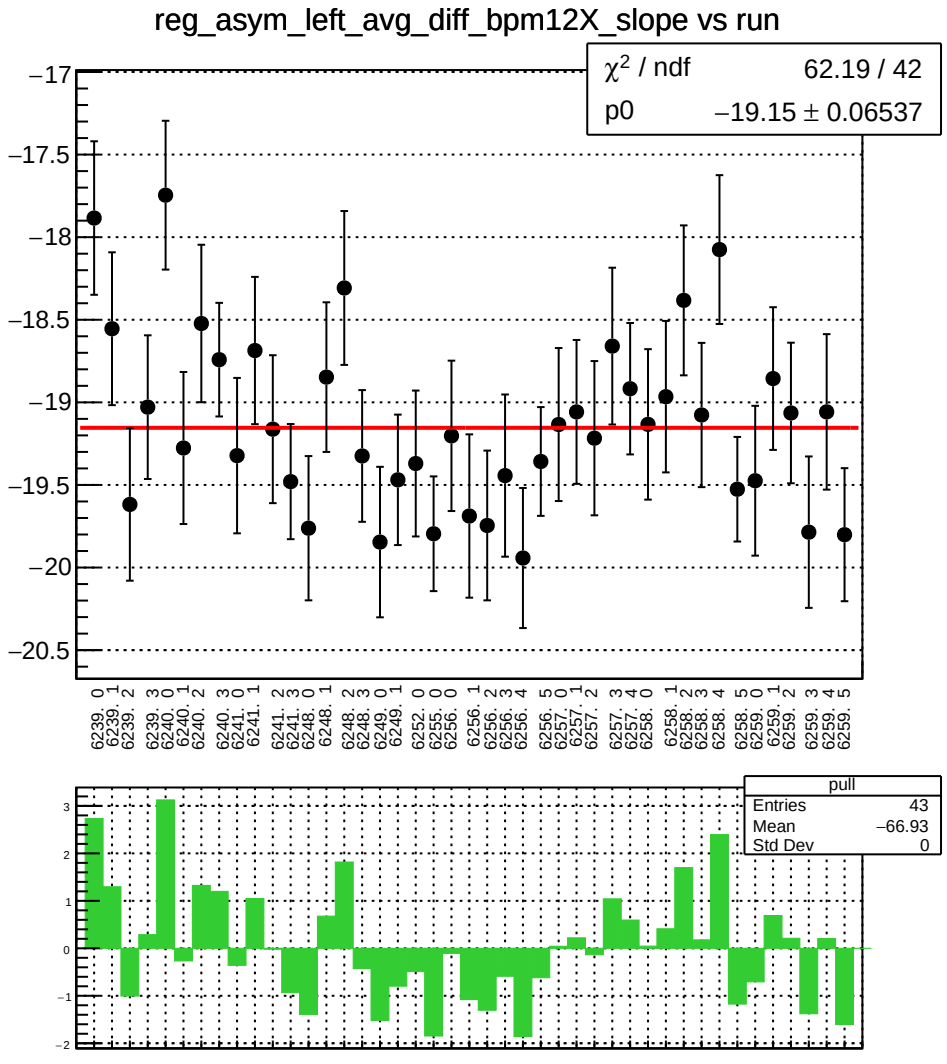

pull1D
Entries 43
Mean 0.0299
Std Dev 0.8348

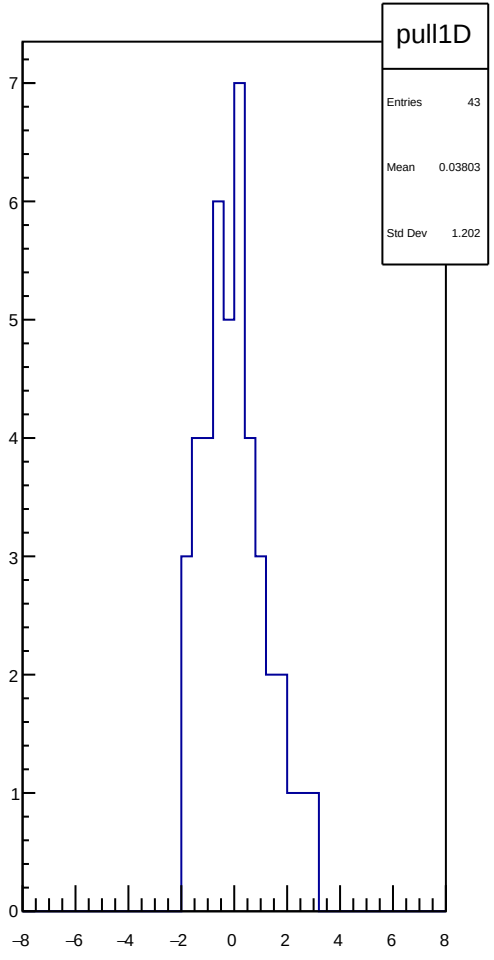

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.72 / 42
p0 11.34 ± 0.7798
pull
Entries 43
Mean 106.4
Std Dev 0

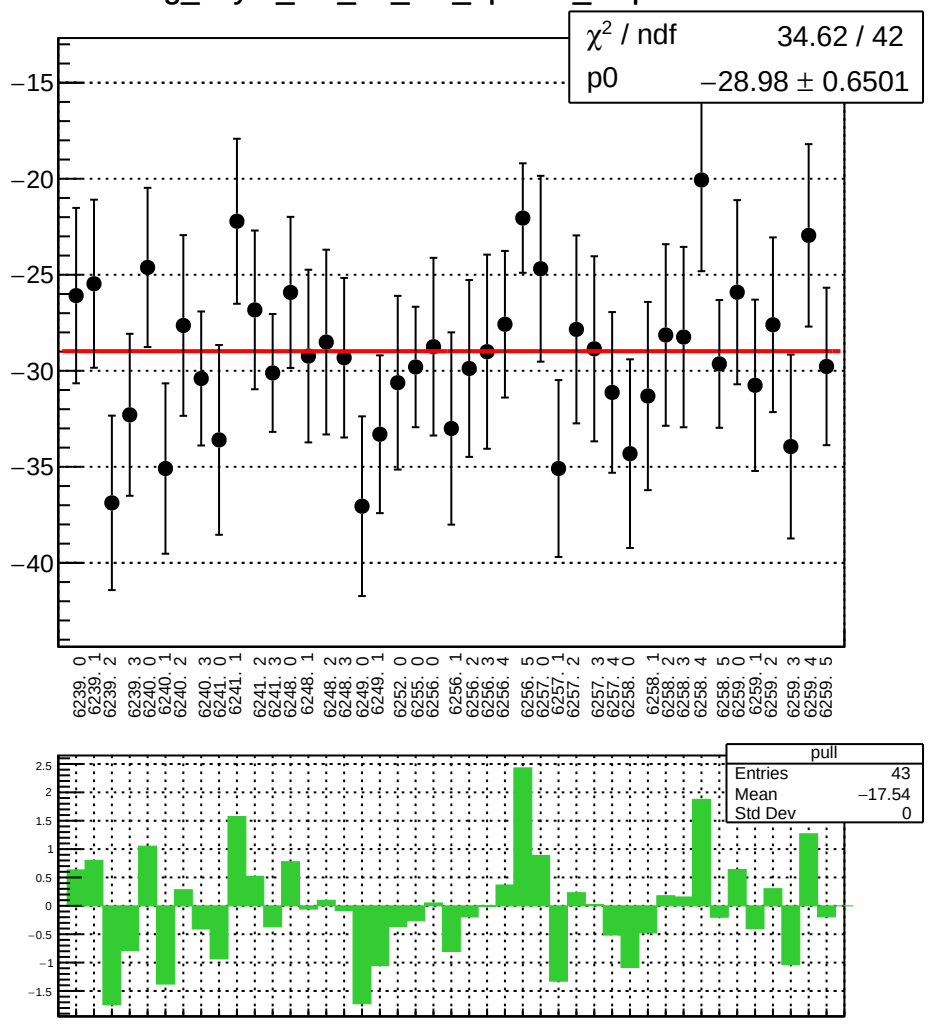

pull1D
Entries 43
Mean 0.00833
Std Dev 0.9113

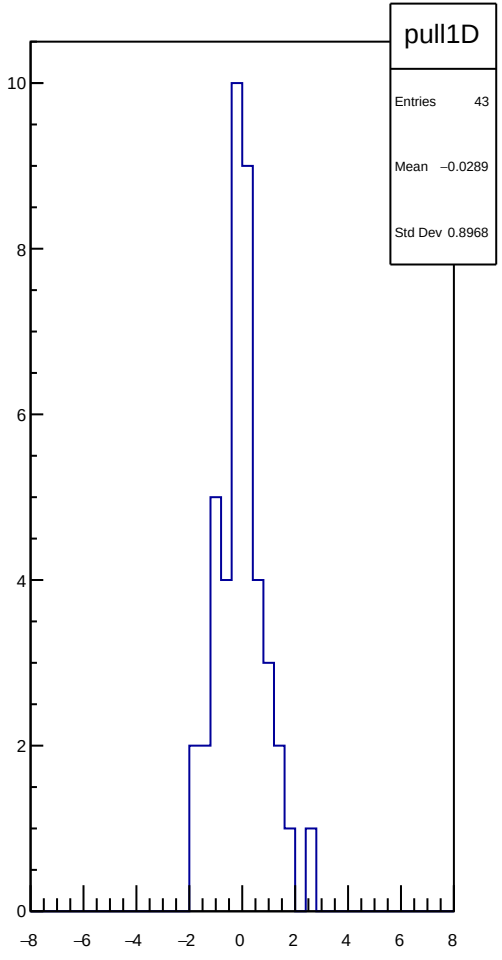

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.86 / 42
p0 1.902 ± 0.8535
pull
Entries 43
Mean 88.49
Std Dev 0

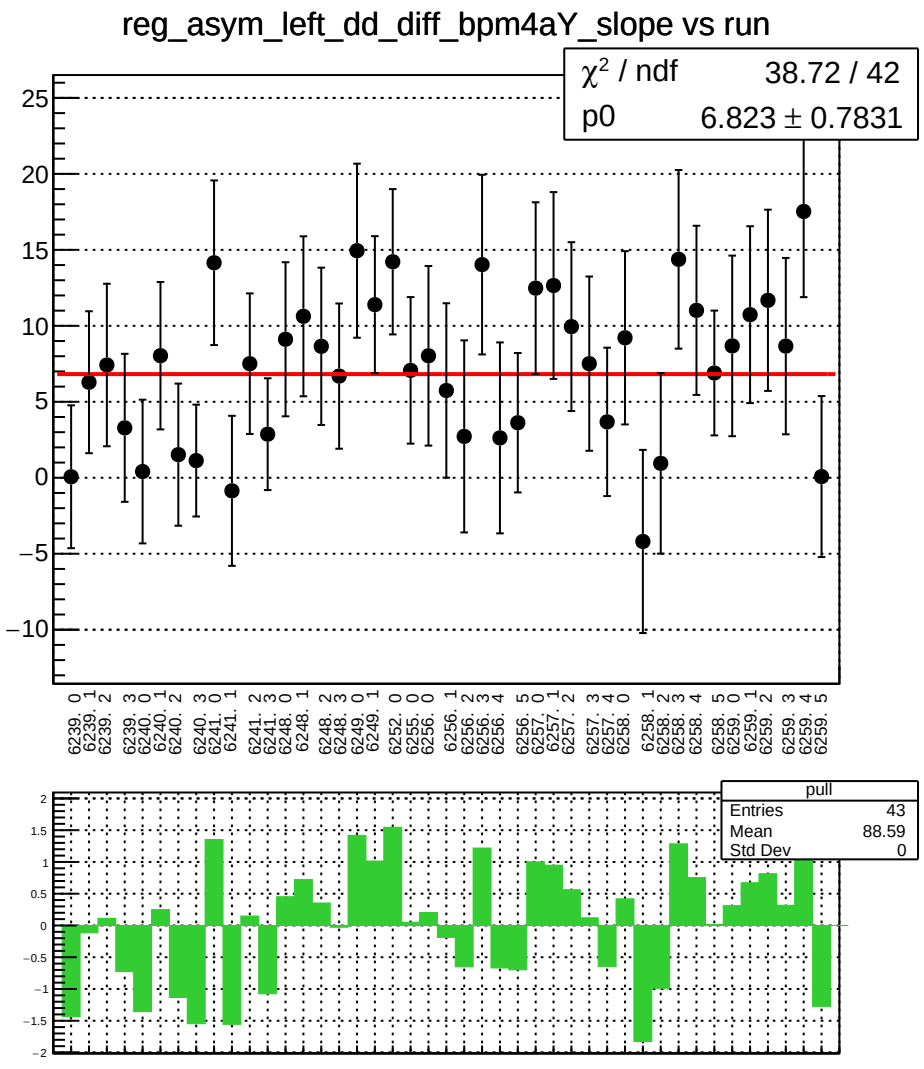

pull1D
Entries 43
Mean −0.03541
Std Dev 0.8997

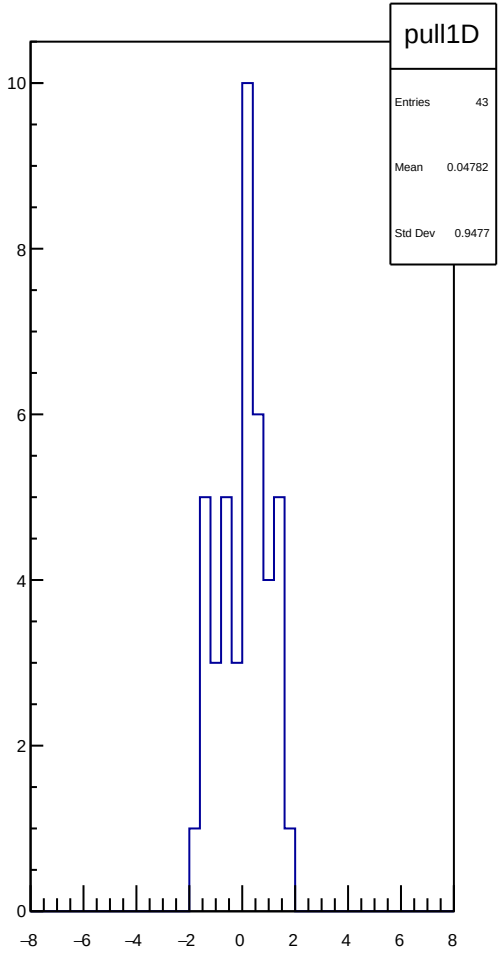

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 62.19 / 42
p0 −19.15 ± 0.06537
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −66.93
Std Dev 0
3
2
1
0
−1
−2

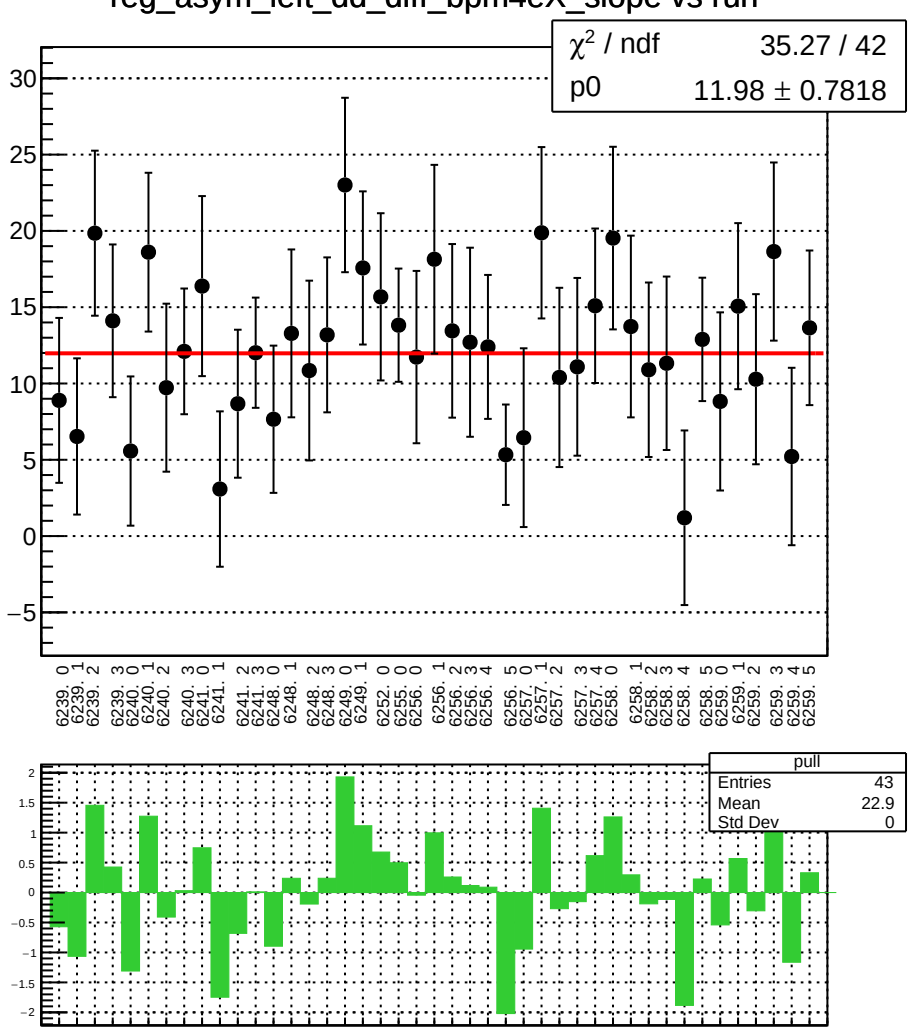

pull1D
Entries 43
Mean 0.03803
Std Dev 1.202
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

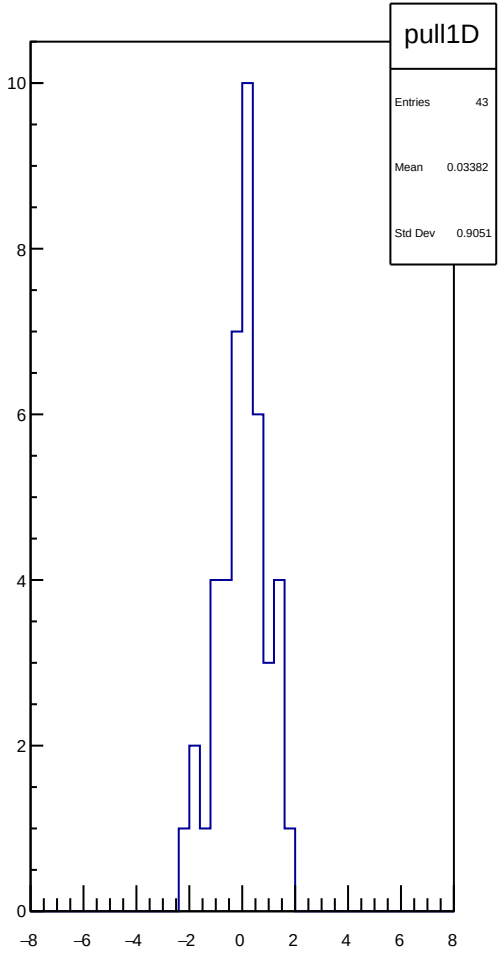

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 34.62 / 42
p0 −28.98 ± 0.6501
pull
Entries 43
Mean −17.54
Std Dev 0

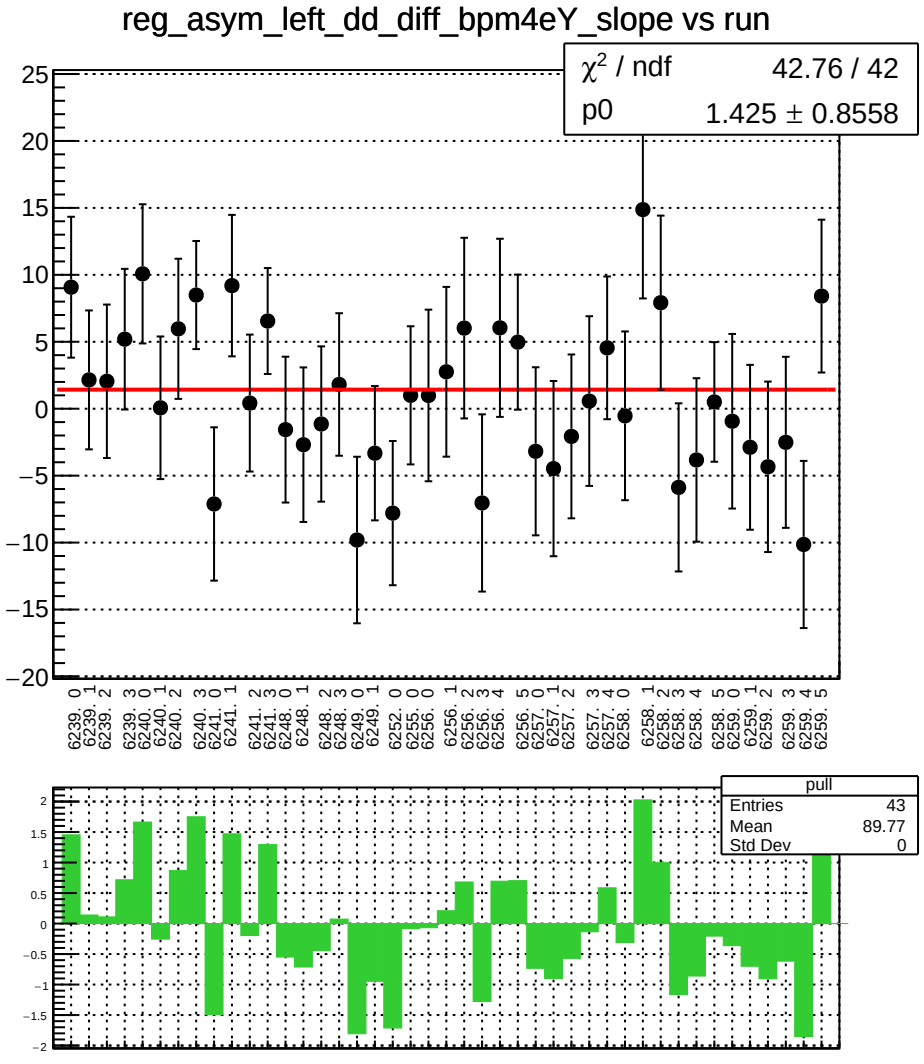

pull1D
Entries 43
Mean −0.0289
Std Dev 0.8968

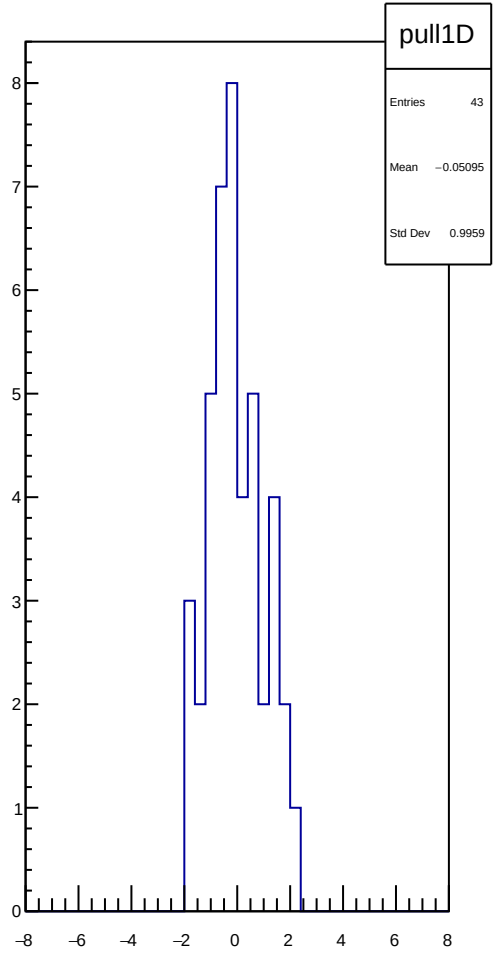

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.72 / 42
p0 6.823 ± 0.7831
pull
Entries 43
Mean 88.59
Std Dev 0

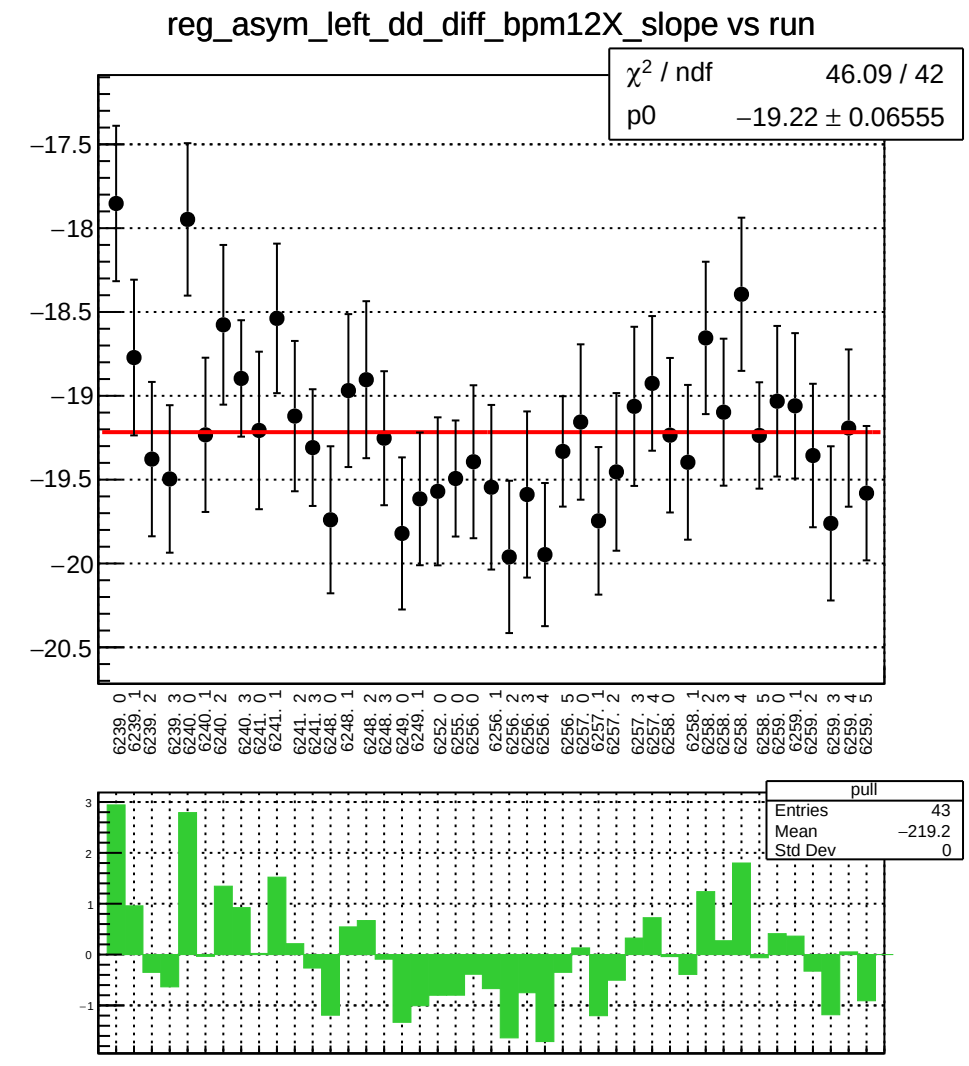

pull1D
Entries 43
Mean 0.04782
Std Dev 0.9477

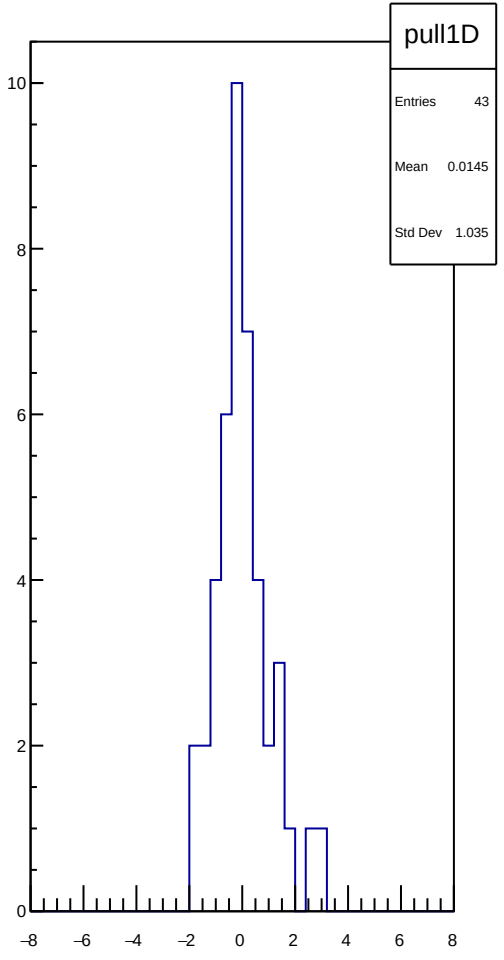

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.27 / 42
p0 11.98 ± 0.7818
pull
Entries 43
Mean 22.9
Std Dev 0

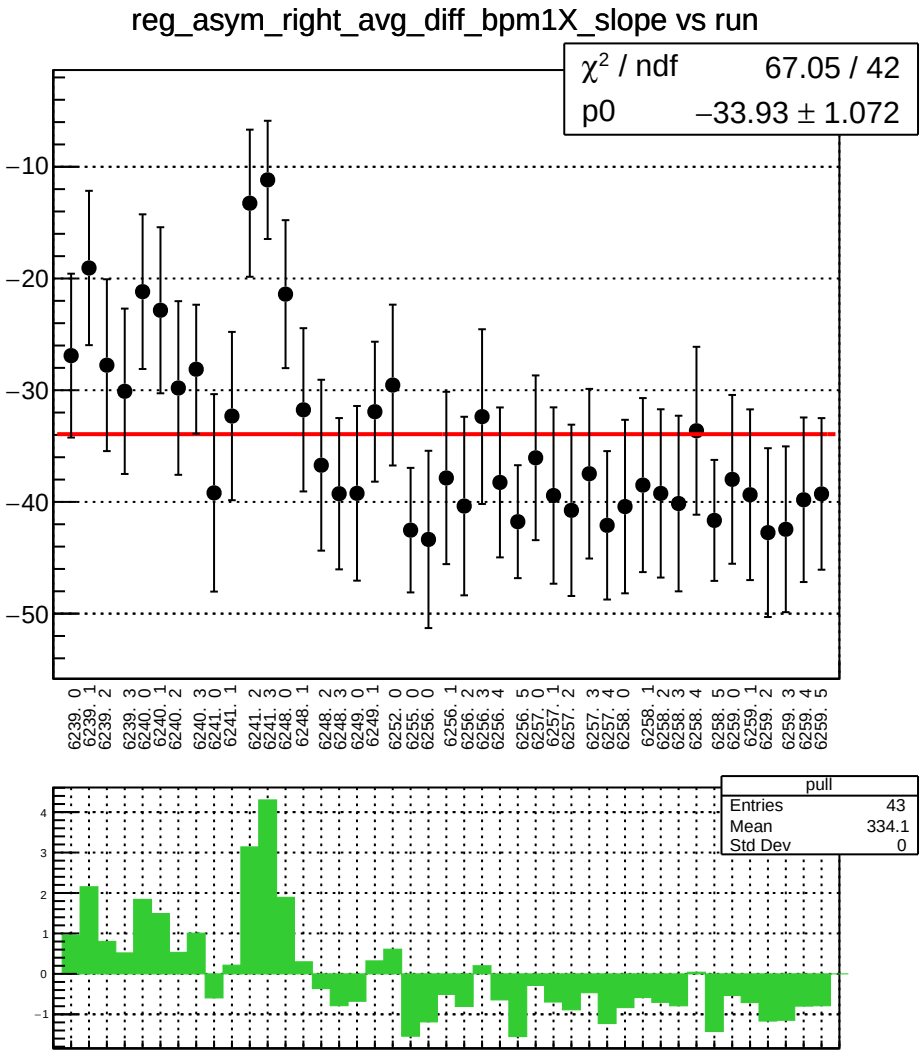

pull1D
Entries 43
Mean 0.03382
Std Dev 0.9051

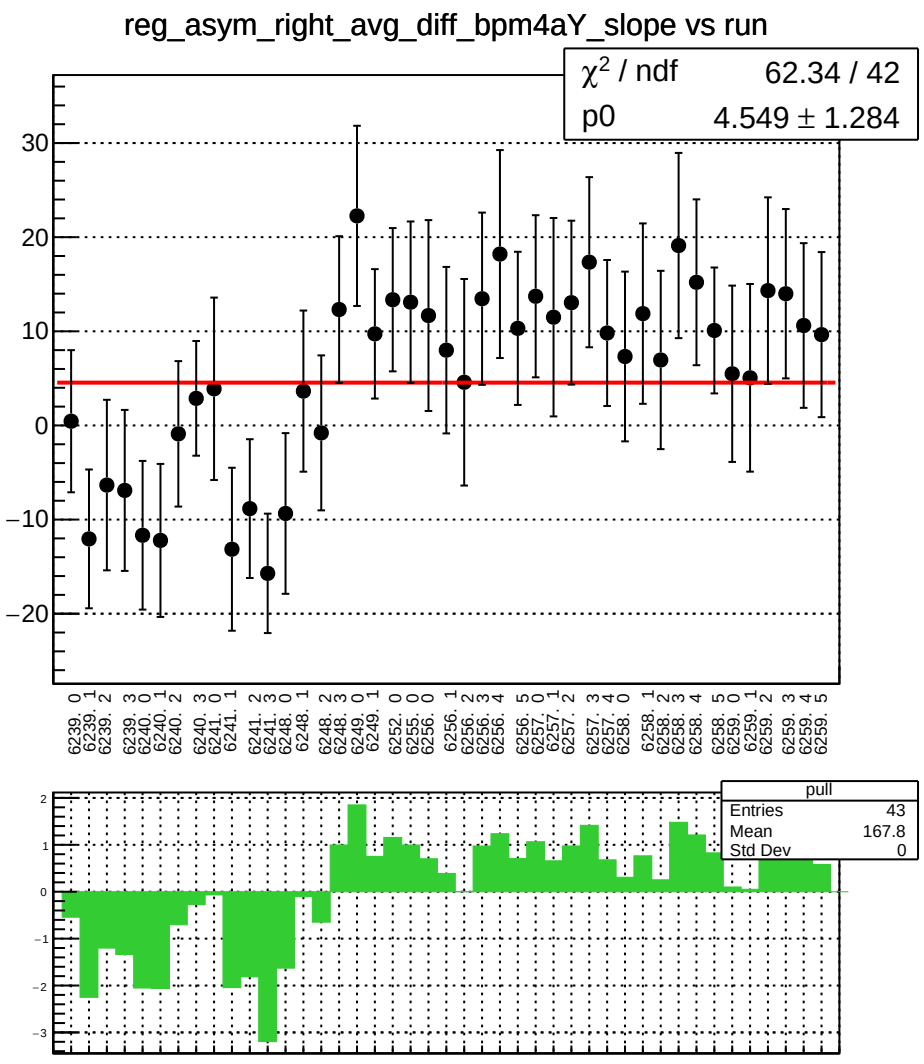

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.76 / 42
p0 1.425 ± 0.8558
pull
Entries 43
Mean 89.77
Std Dev 0

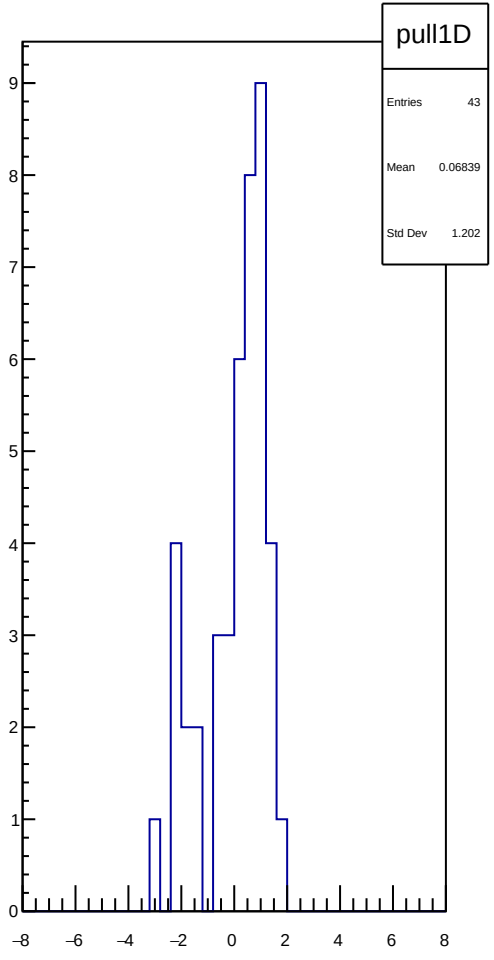

pull1D
Entries 43
Mean −0.05095
Std Dev 0.9959

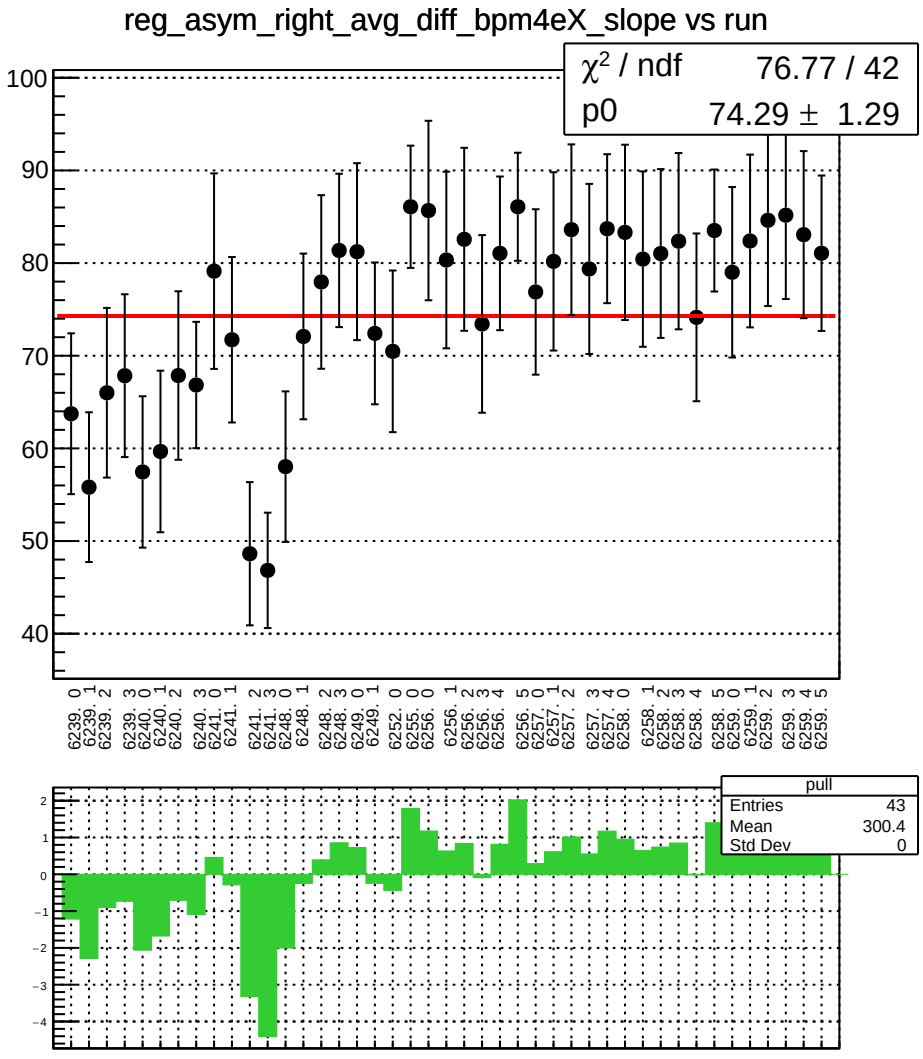

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 46.09 / 42
p0 −19.22 ± 0.06555
pull
Entries 43
Mean −219.2
Std Dev 0

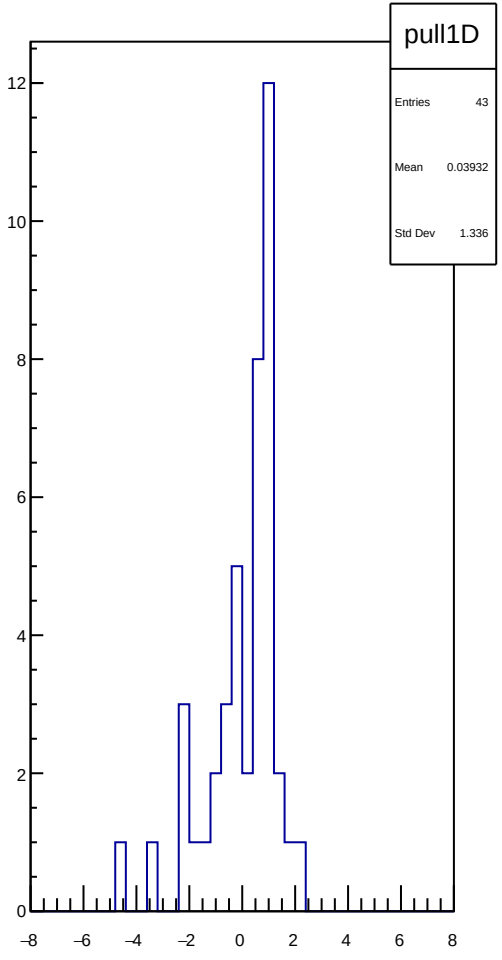

pull1D
Entries 43
Mean 0.0145
Std Dev 1.035

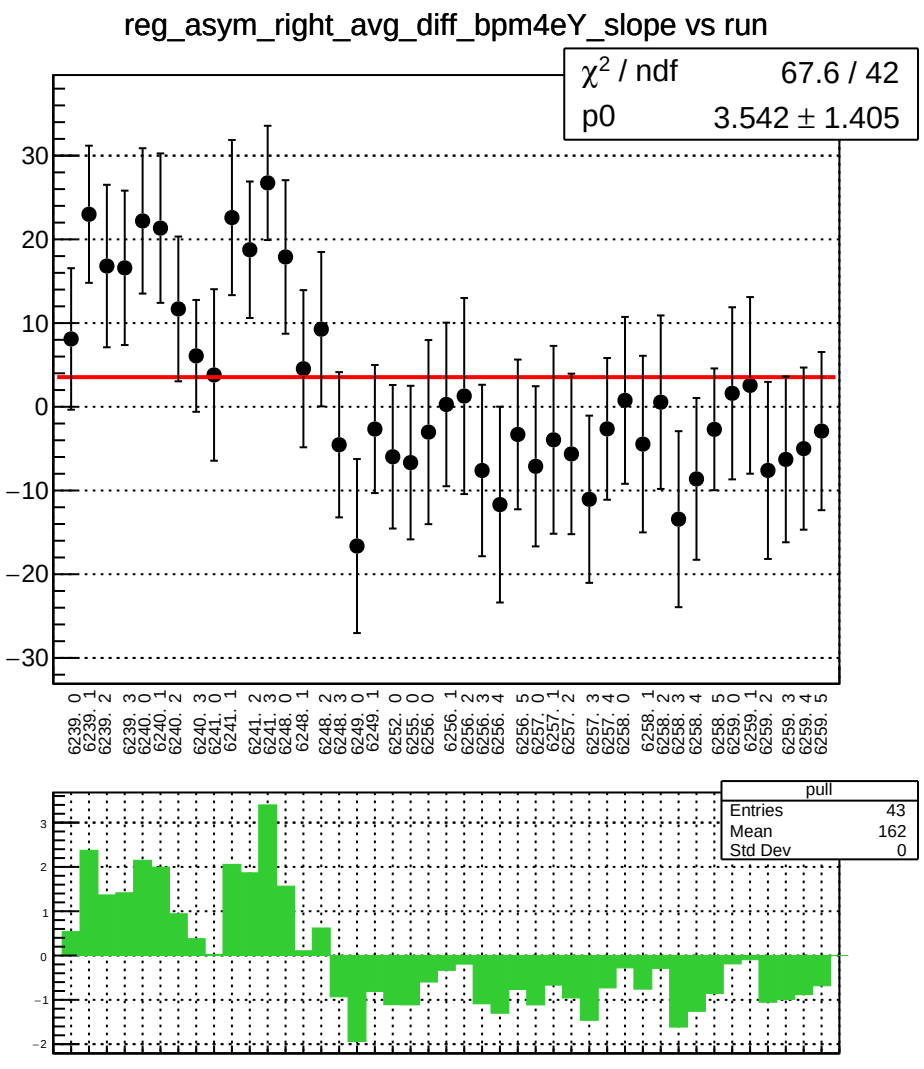

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 67.05 / 42
p0 −33.93 ± 1.072
−10
−20
−30
−40
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 334.1
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 43
Mean −0.03202
Std Dev 1.248
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

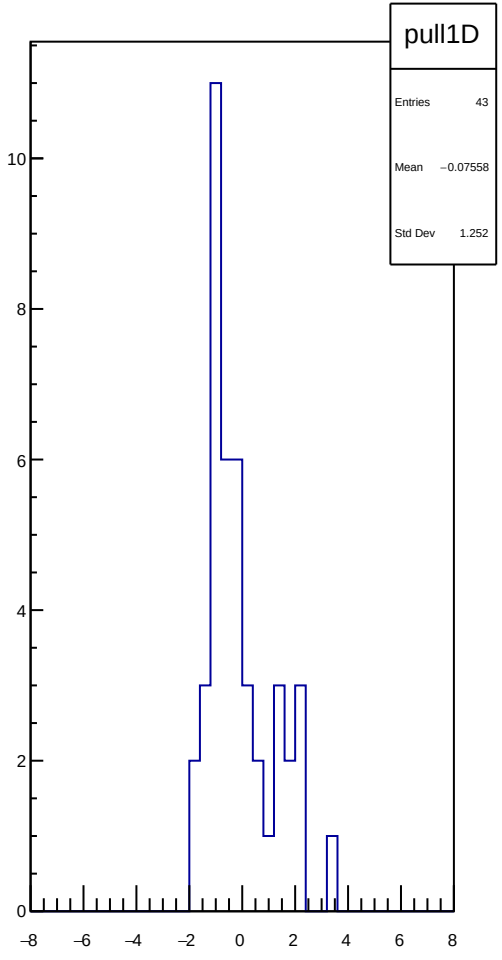

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.34 / 42
p0 4.549 ± 1.284
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 167.8
Std Dev 0
2
1
0
−1
−2
−3

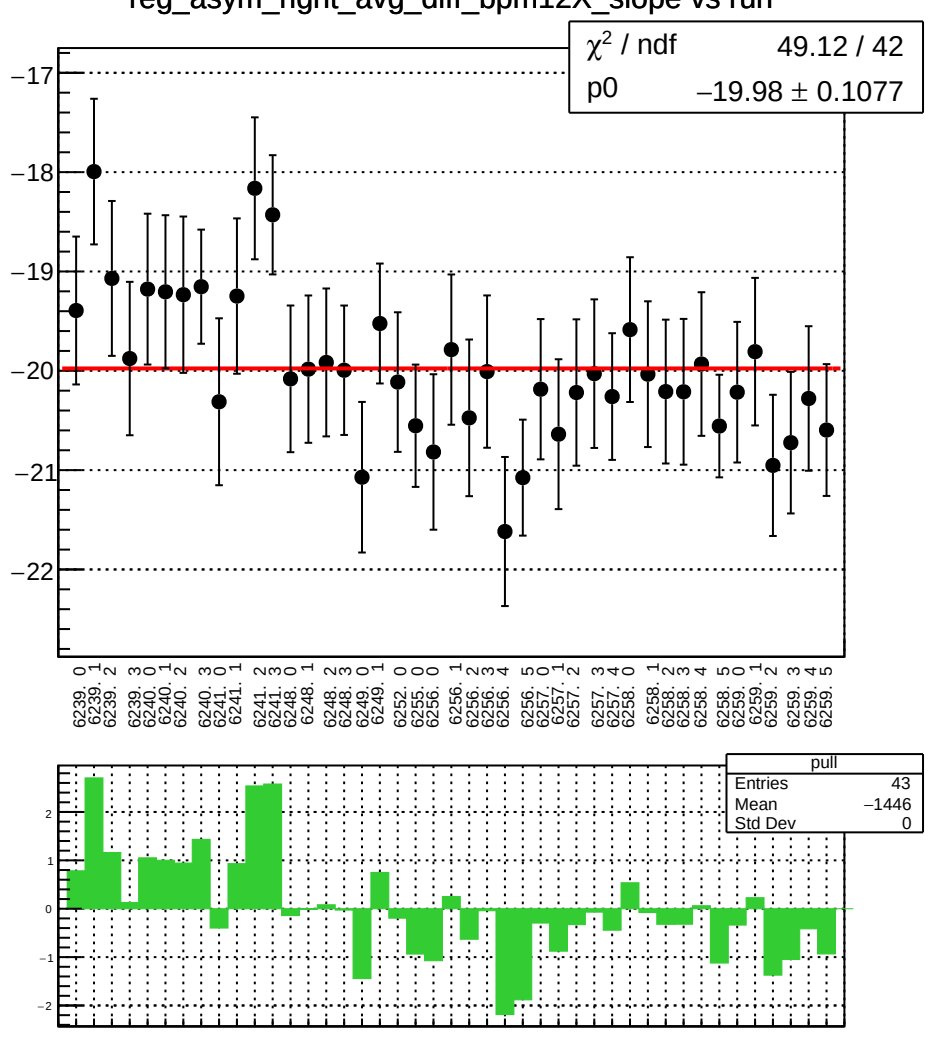

pull1D
Entries 43
Mean 0.06839
Std Dev 1.202
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

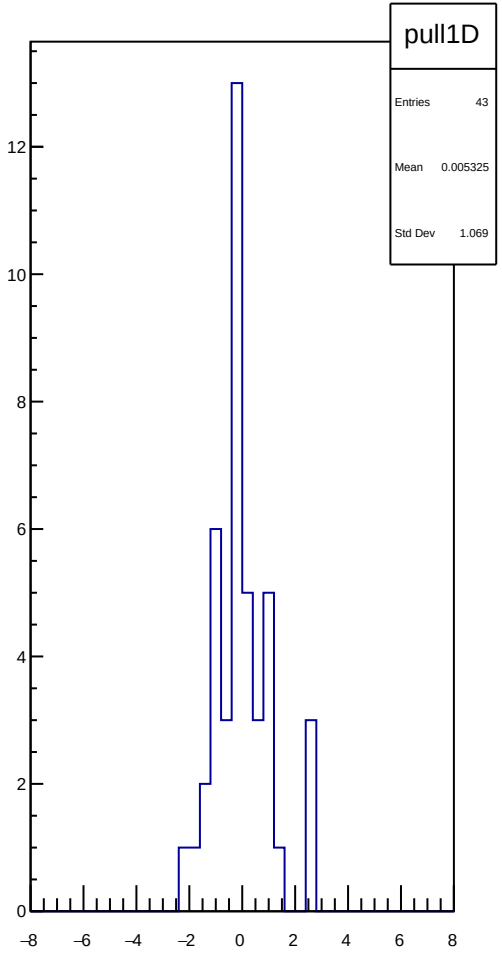

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.77 / 42
p0 74.29 ± 1.29
pull
Entries 43
Mean 300.4
Std Dev 0

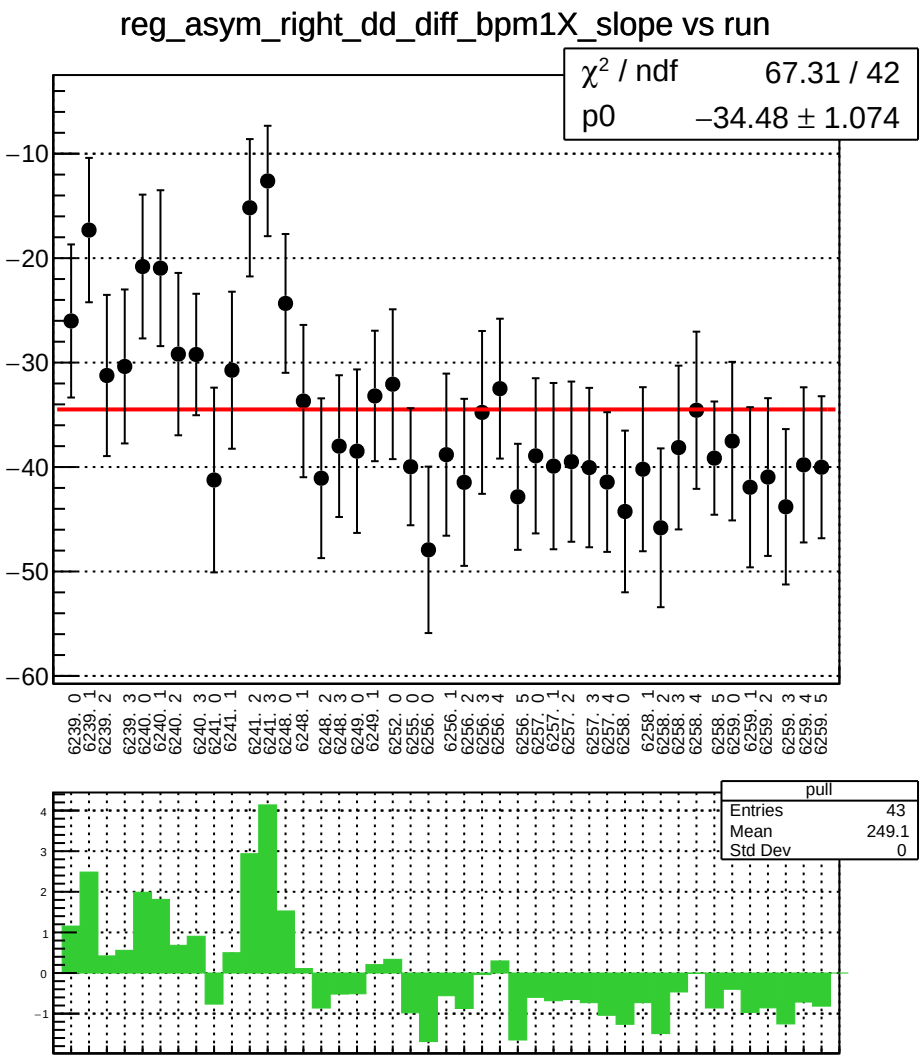

pull1D
Entries 43
Mean 0.03932
Std Dev 1.336

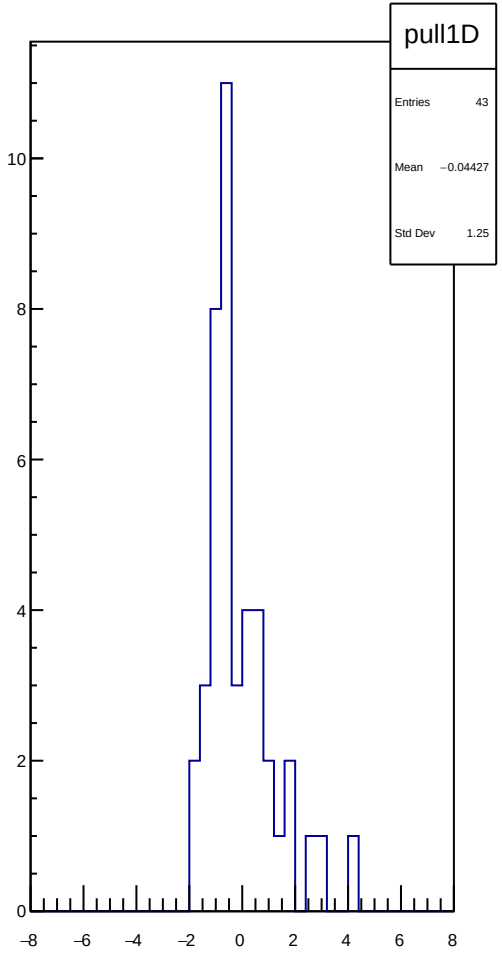

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.6 / 42
p0 3.542 ± 1.405
30
20
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 162
Std Dev 0
3
2
1
0
−1
−2

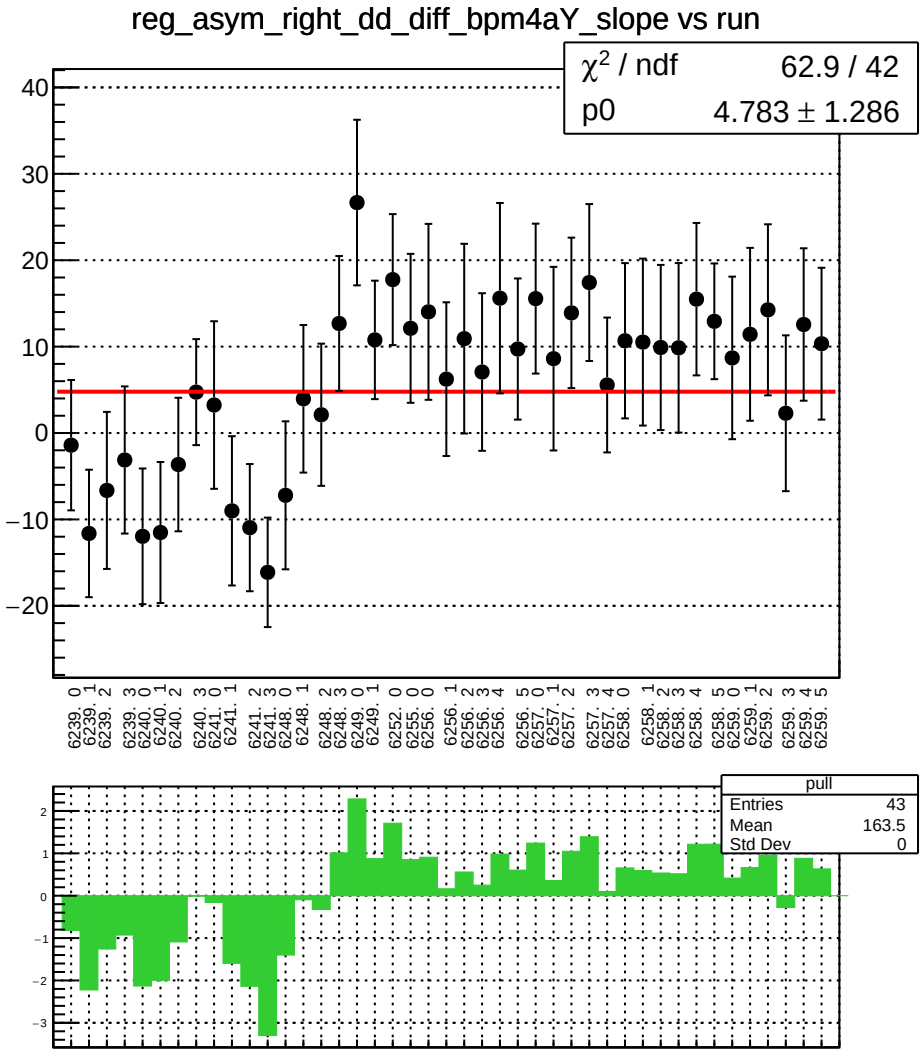

pull1D
Entries 43
Mean −0.07558
Std Dev 1.252
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

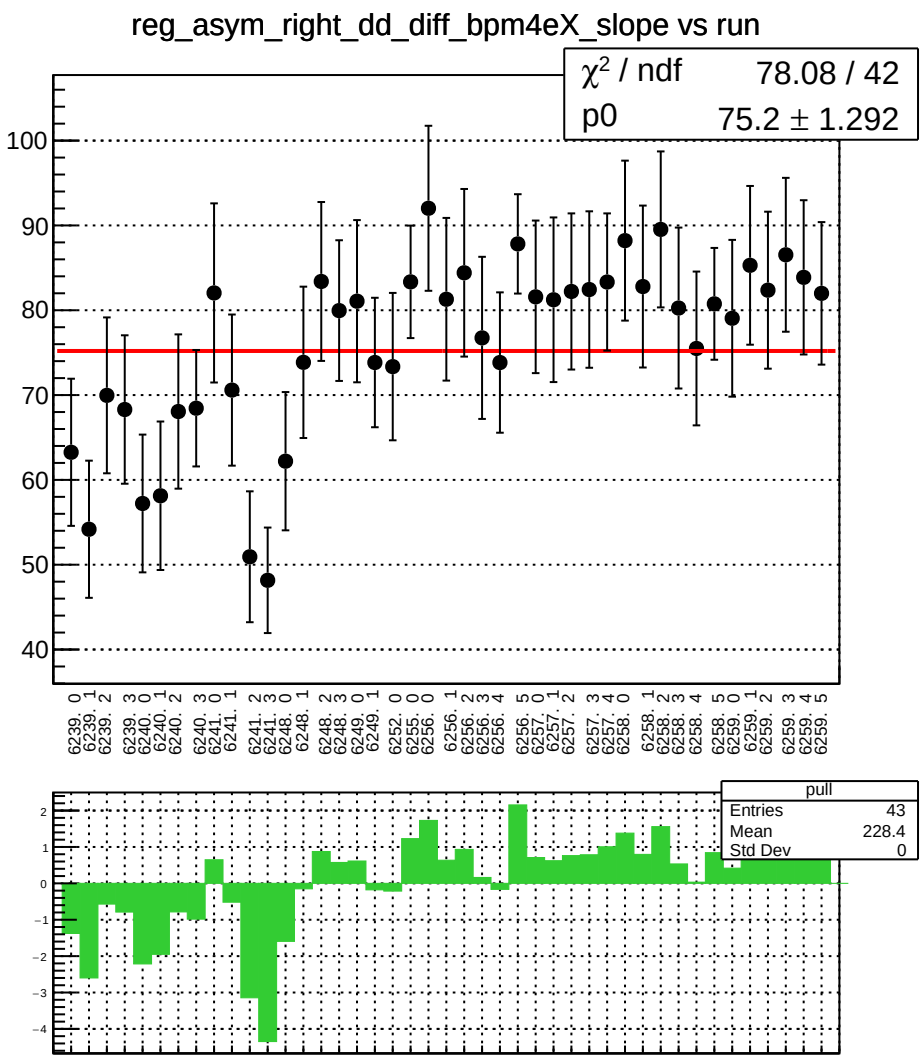

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 49.12 / 42
p0 −19.98 ± 0.1077
−17
−18
−19
−20
−21
−22
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1446
Std Dev 0
2
1
0
−1
−2

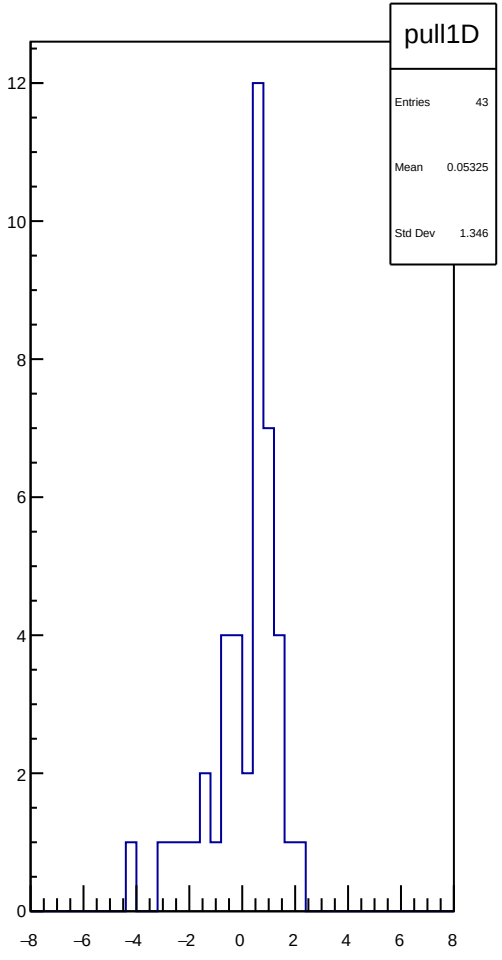

pull1D
Entries 43
Mean 0.005325
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

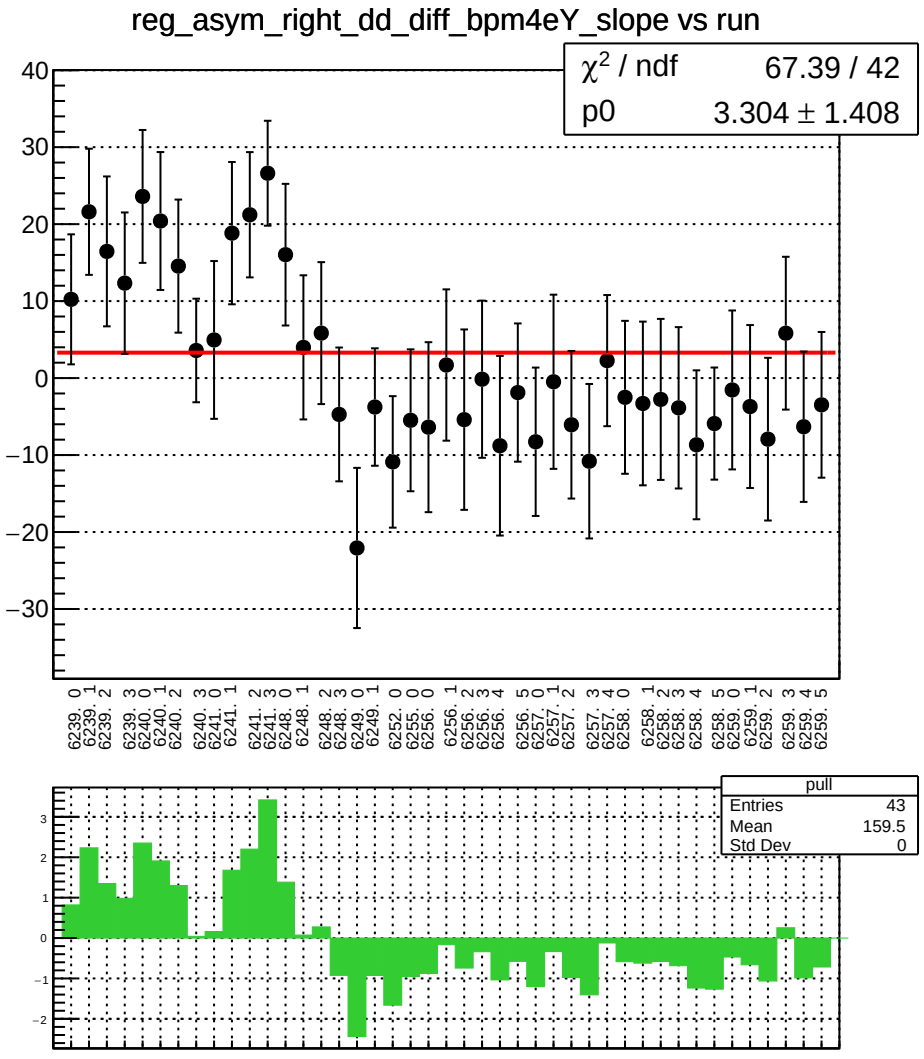

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 67.31 / 42
p0 −34.48 ± 1.074
pull
Entries 43
Mean 249.1
Std Dev 0

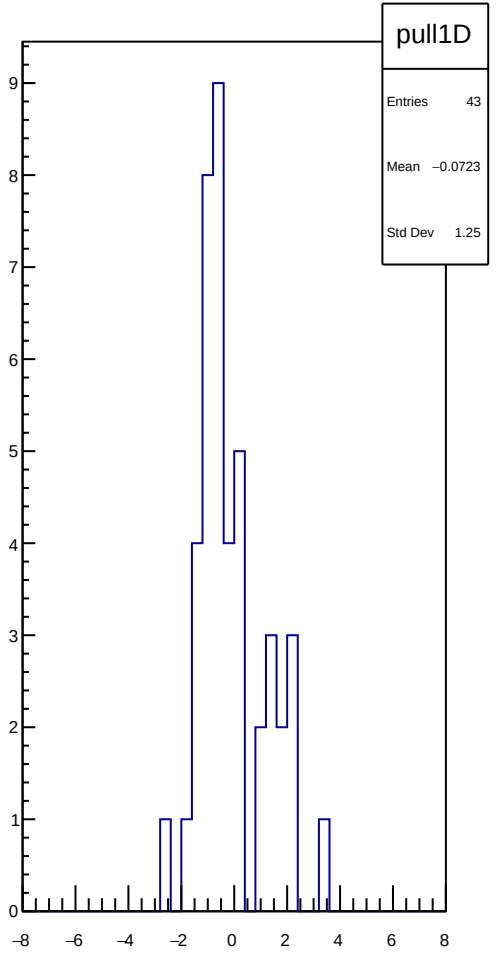

pull1D
Entries 43
Mean −0.04427
Std Dev 1.25

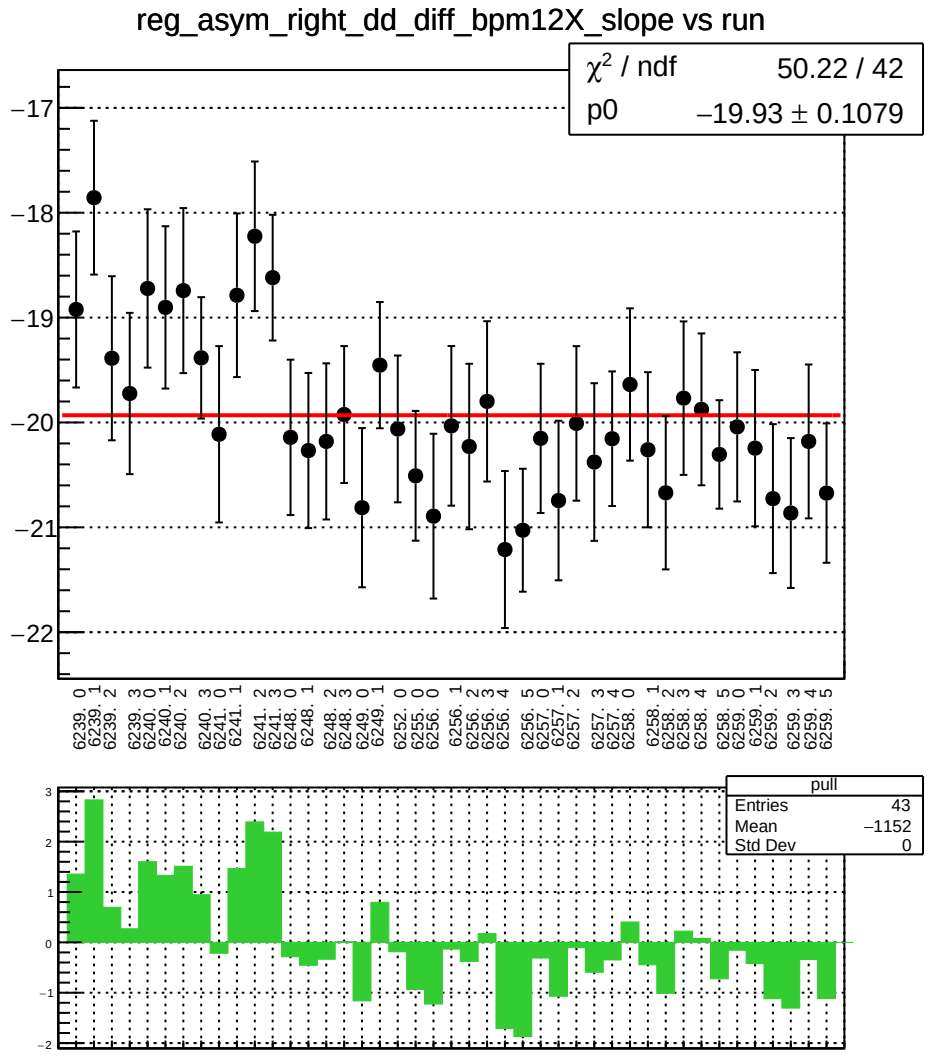

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.9 / 42
p0 4.783 ± 1.286
pull
Entries 43
Mean 163.5
Std Dev 0
pull1D
Entries 43
Mean 0.06684
Std Dev 1.208

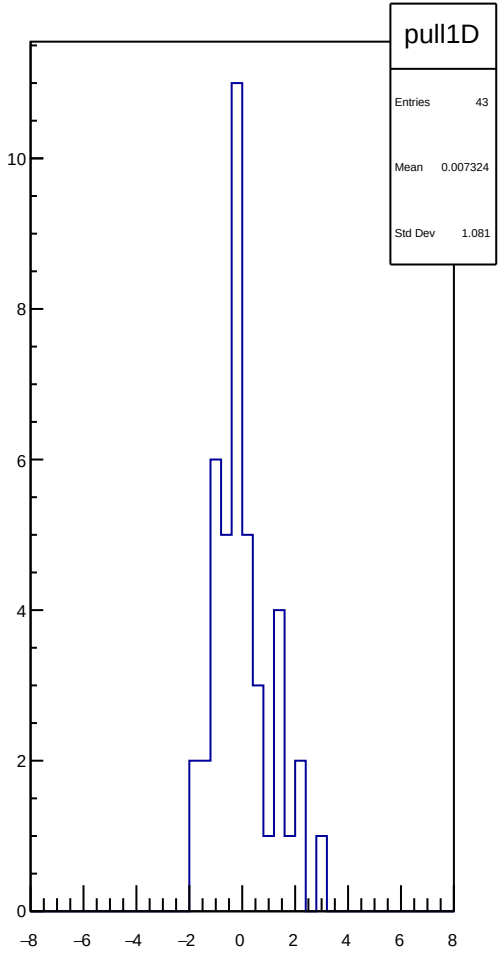

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.08 / 42
p0 75.2 ± 1.292
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 228.4
Std Dev 0
2
1
0
−1
−2
−3
−4

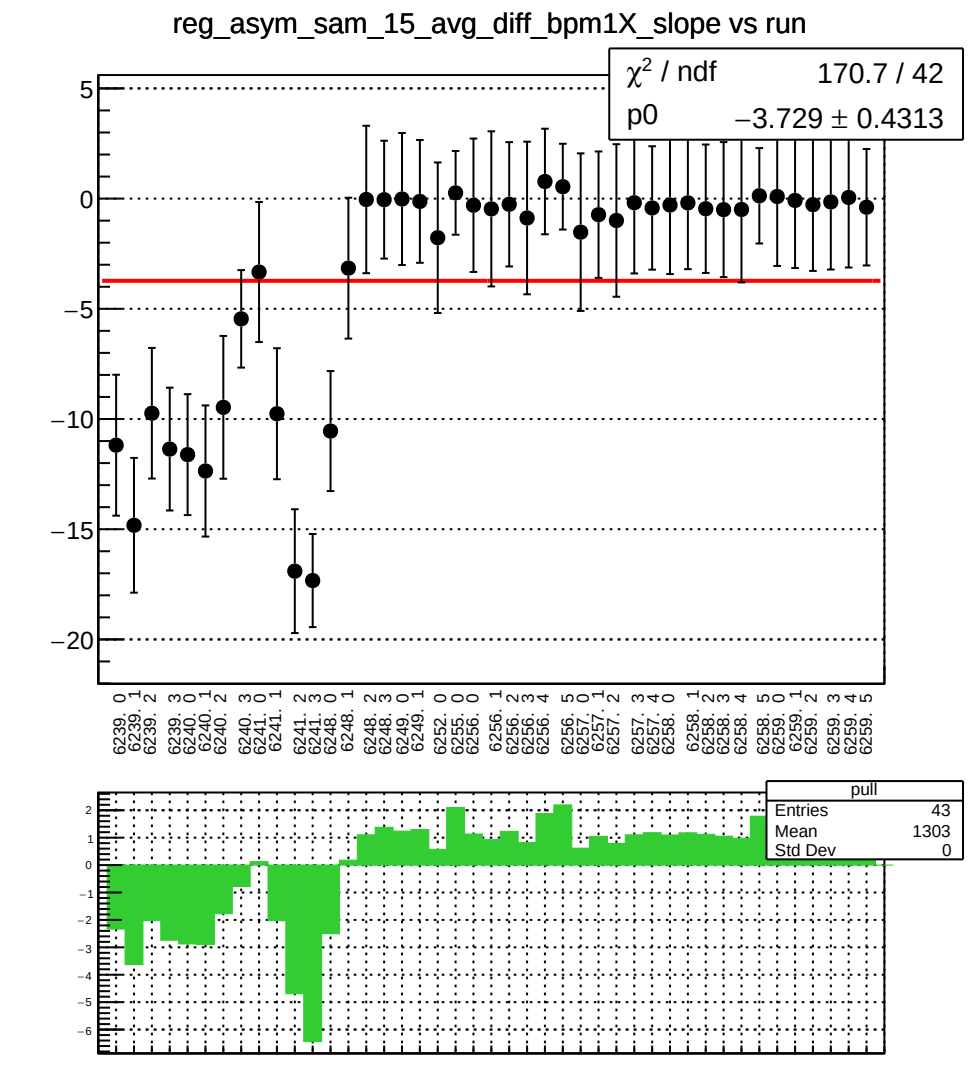

pull1D
Entries 43
Mean 0.05325
Std Dev 1.346
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

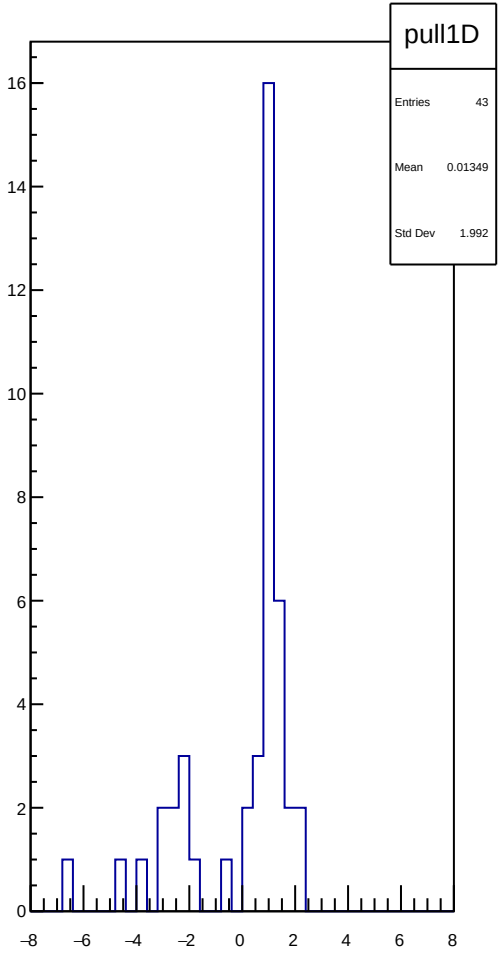

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.39 / 42
p0 3.304 ± 1.408
pull
Entries 43
Mean 159.5
Std Dev 0

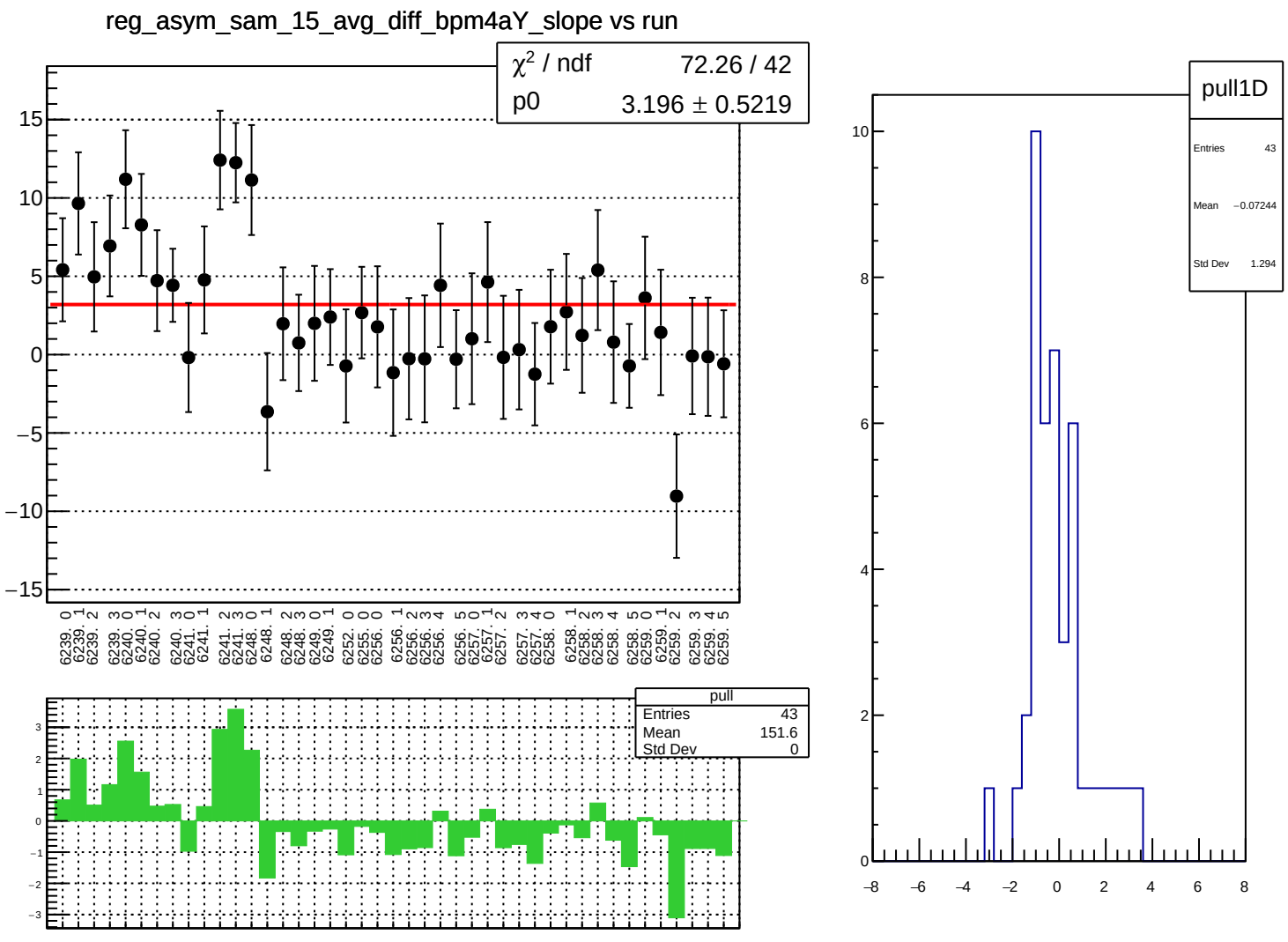

pull1D
Entries 43
Mean −0.0723
Std Dev 1.25

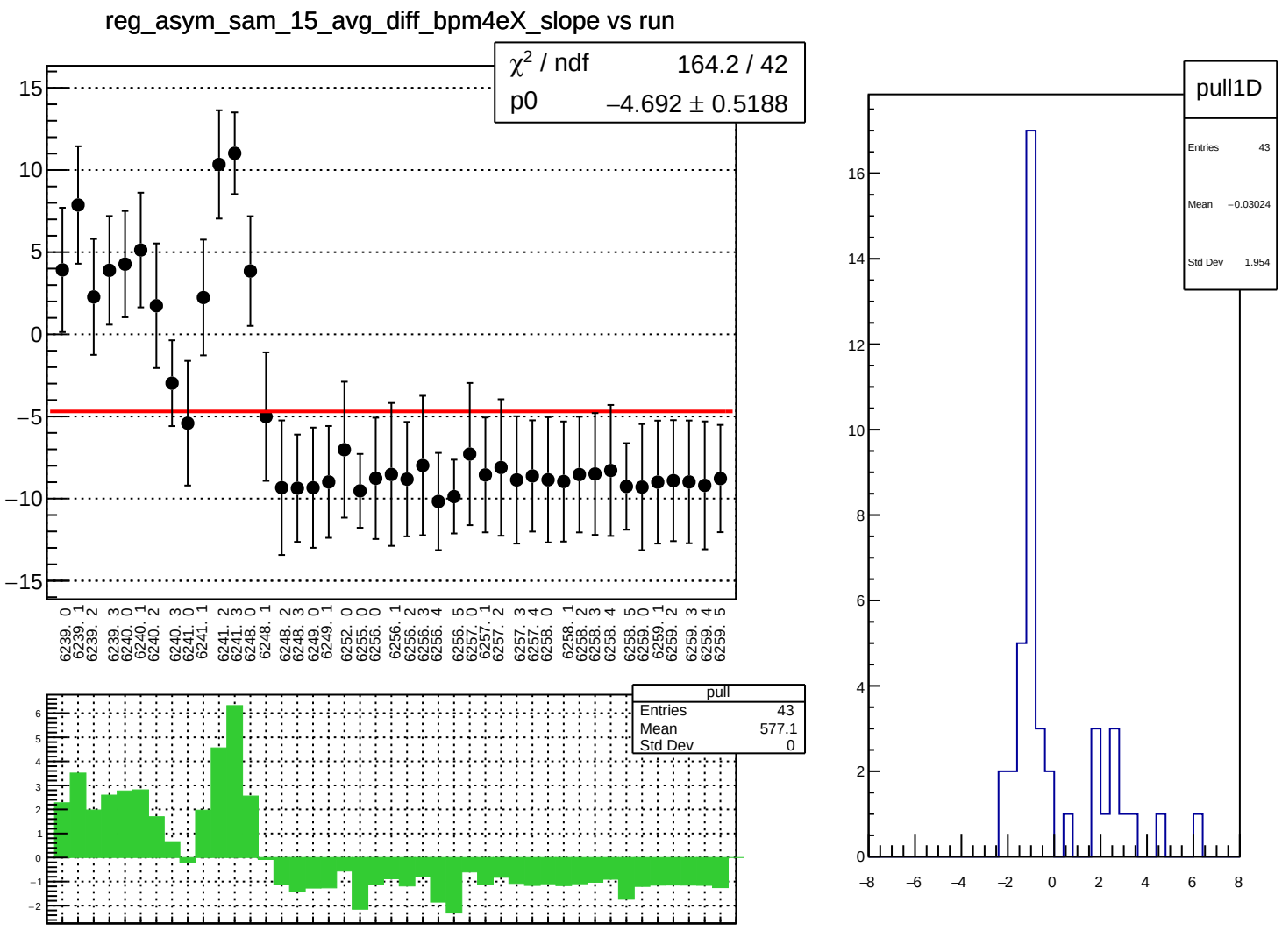

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 50.22 / 42
p0 −19.93 ± 0.1079
pull
Entries 43
Mean −1152
Std Dev 0

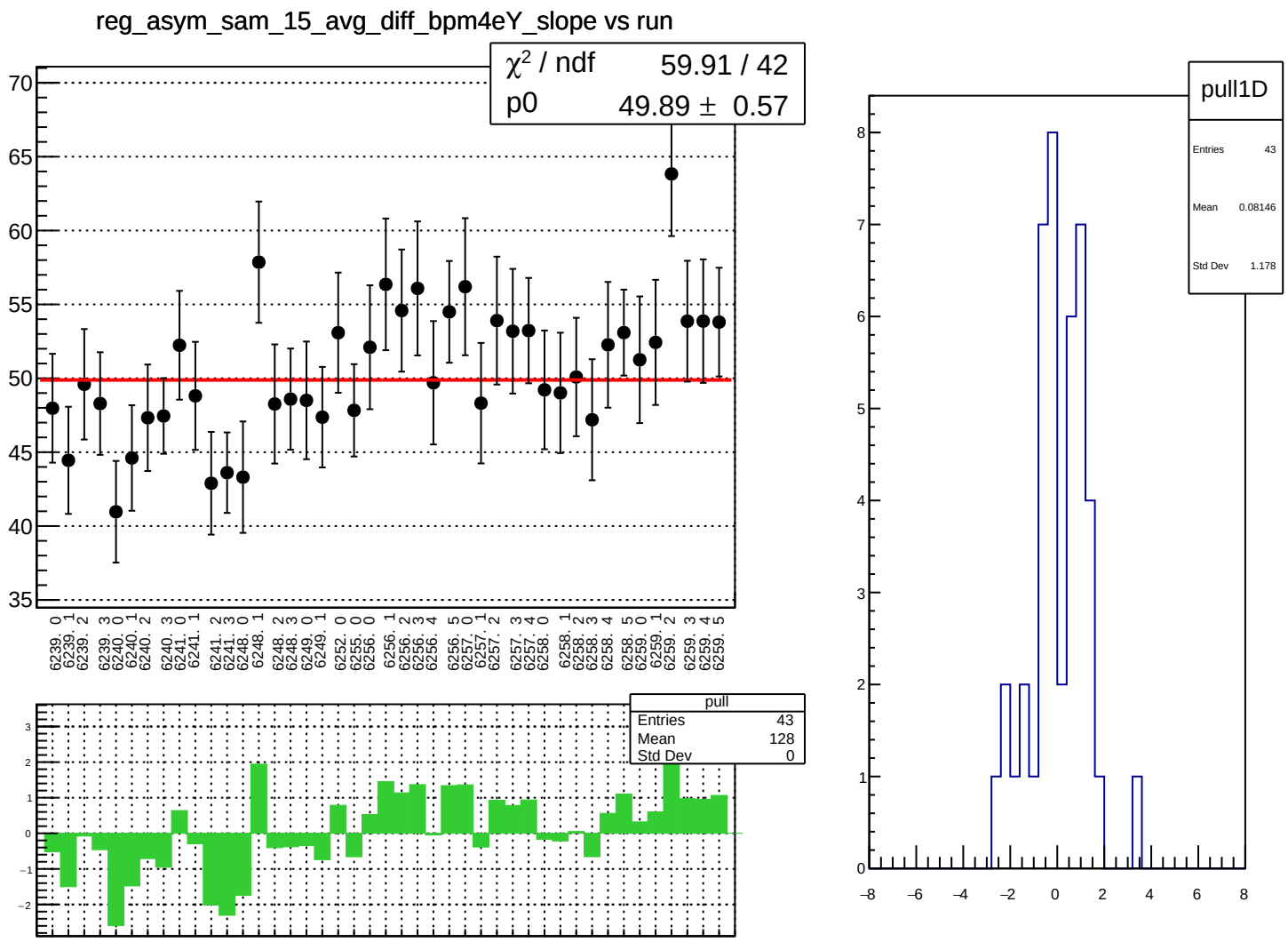

pull1D
Entries 43
Mean 0.007324
Std Dev 1.081

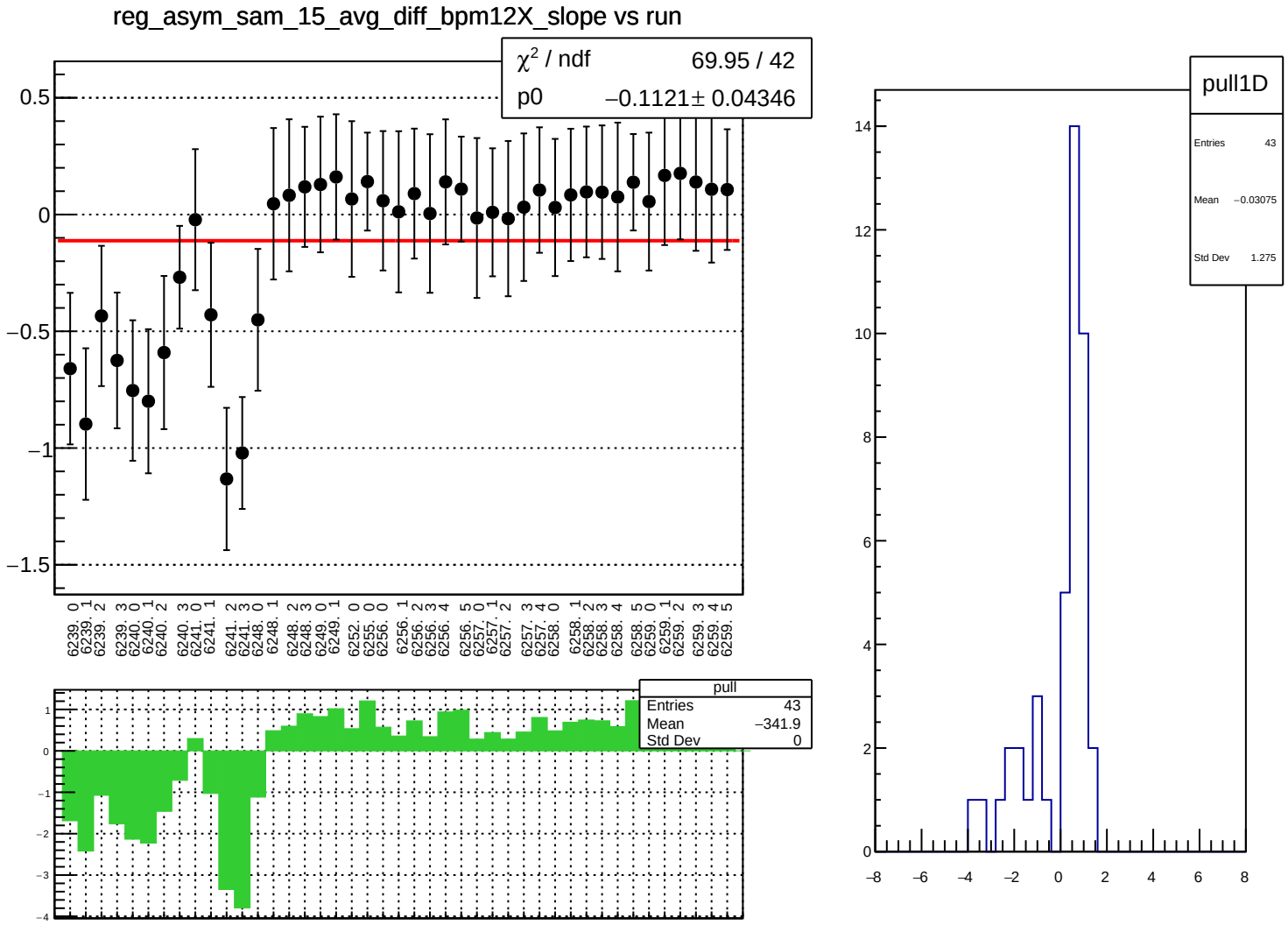

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 170.7 / 42
p0 −3.729 ± 0.4313
pull
Entries 43
Mean 1303
Std Dev 0

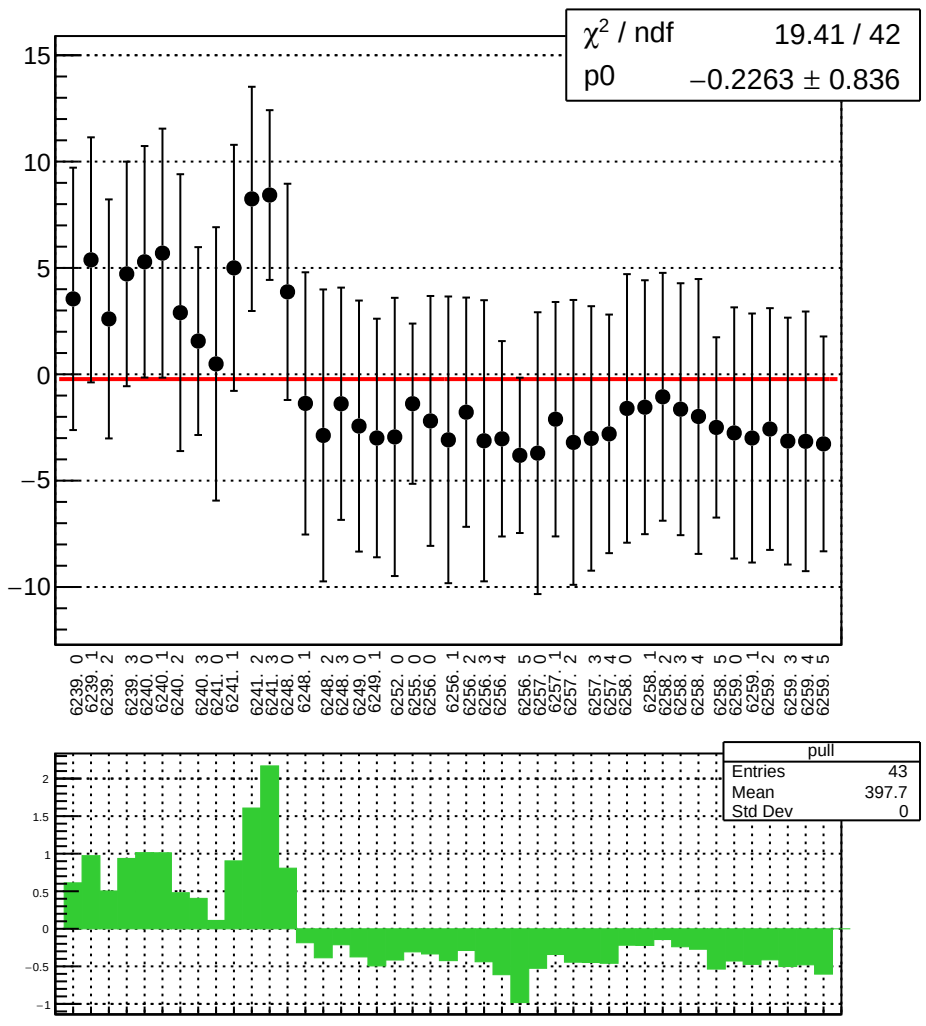

pull1D
Entries 43
Mean 0.01349
Std Dev 1.992

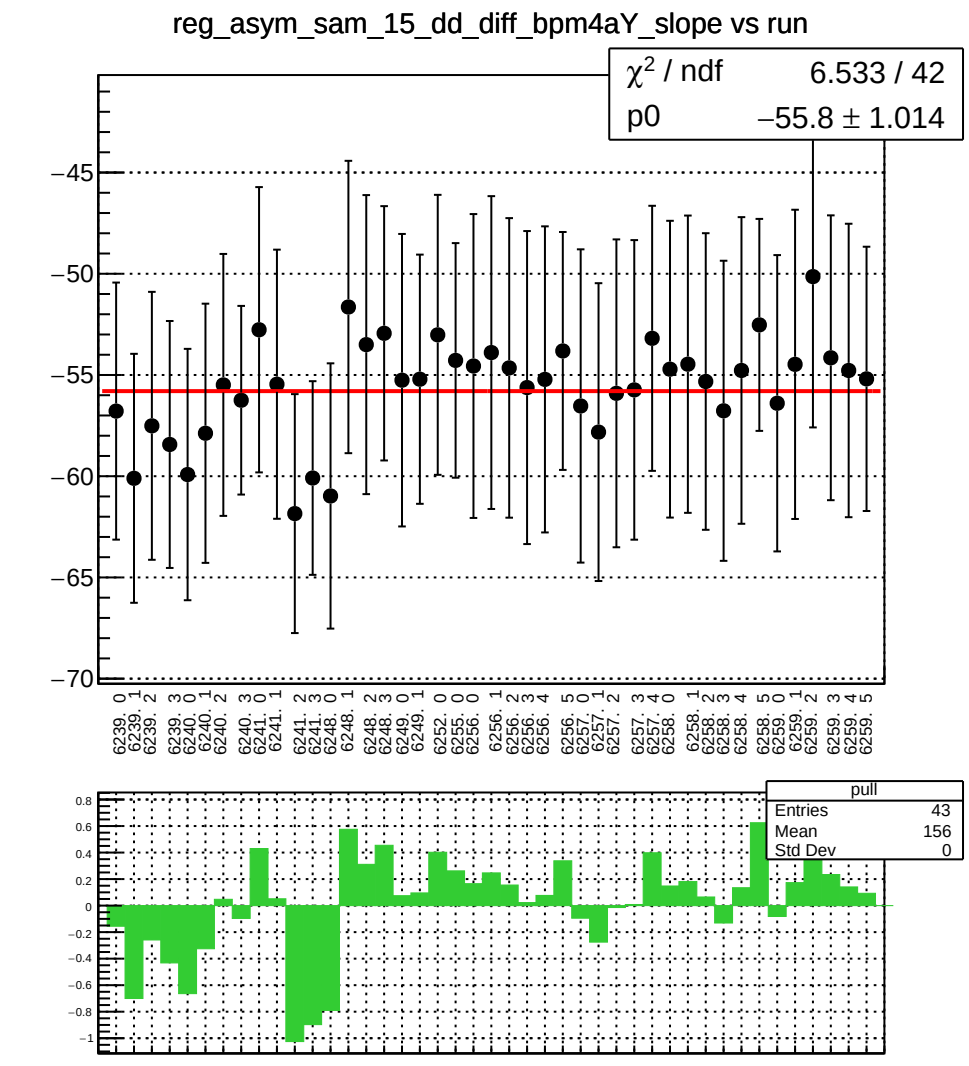

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.26 / 42
p0 3.196 ± 0.5219
pull
Entries 43
Mean 151.6
Std Dev 0
pull1D
Entries 43
Mean −0.07244
Std Dev 1.294

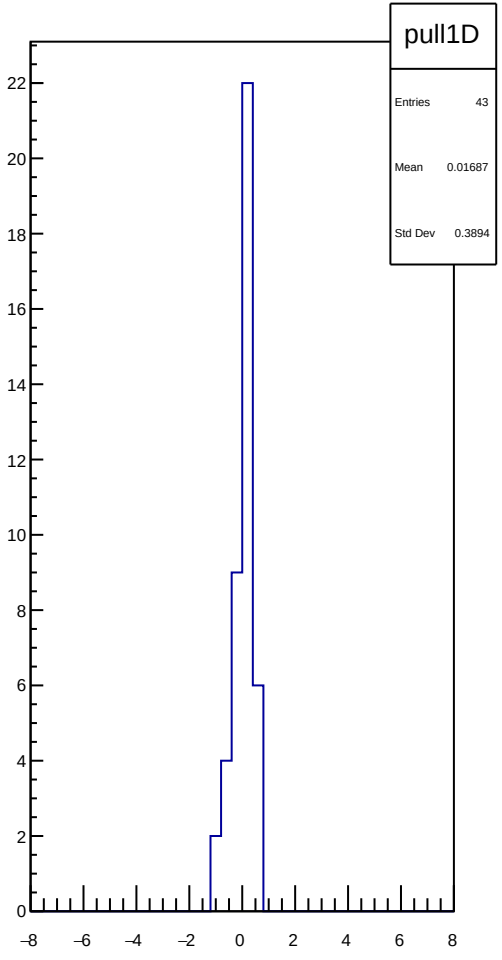

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 164.2 / 42
p0 −4.692 ± 0.5188
15
10
5
0
−5
−10
−15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 577.1
Std Dev 0
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03024
Std Dev 1.954
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

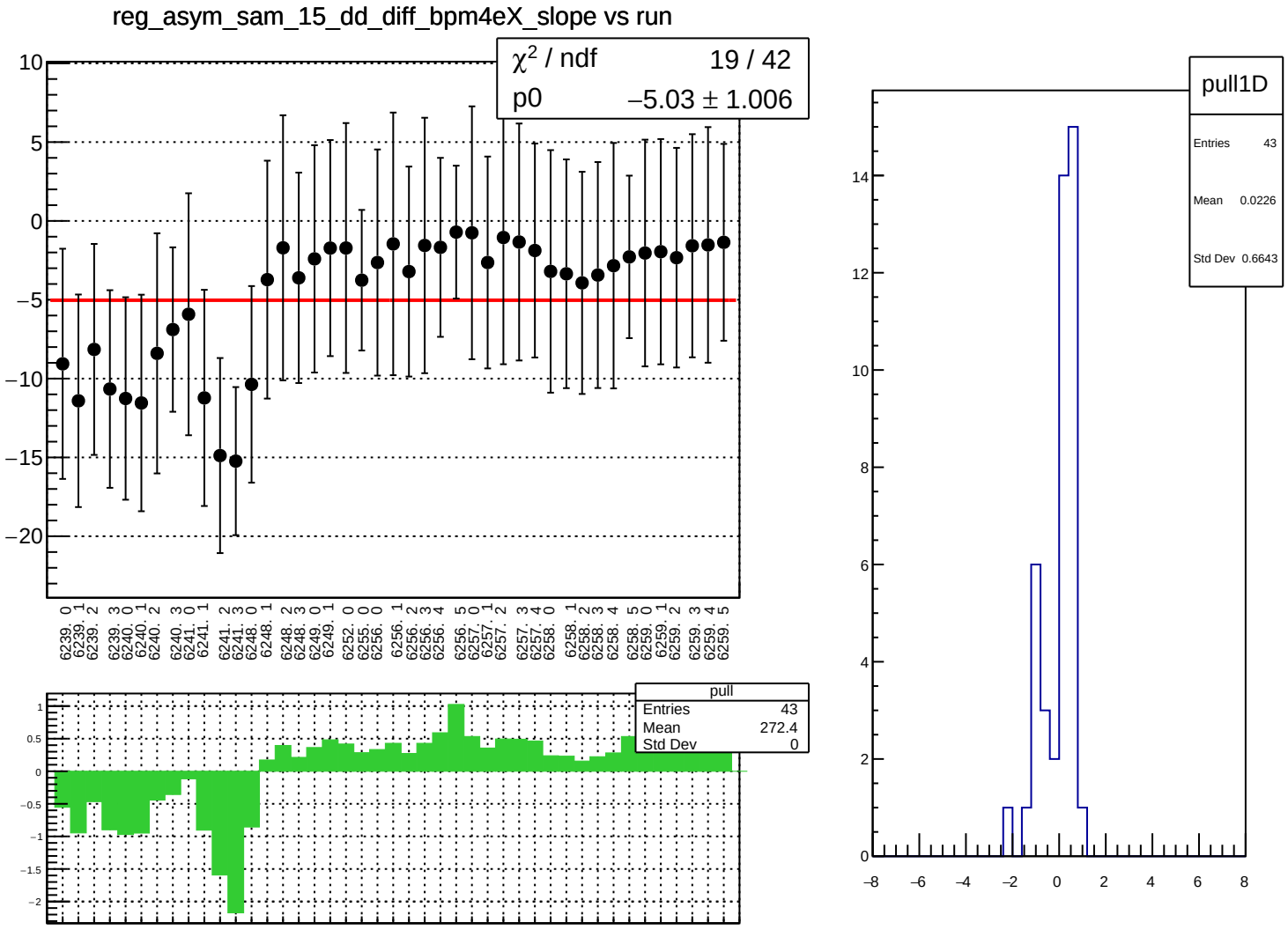

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.91 / 42
p0 49.89 ± 0.57
70
65
60
55
50
45
40
35
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 128
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.08146
Std Dev 1.178
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

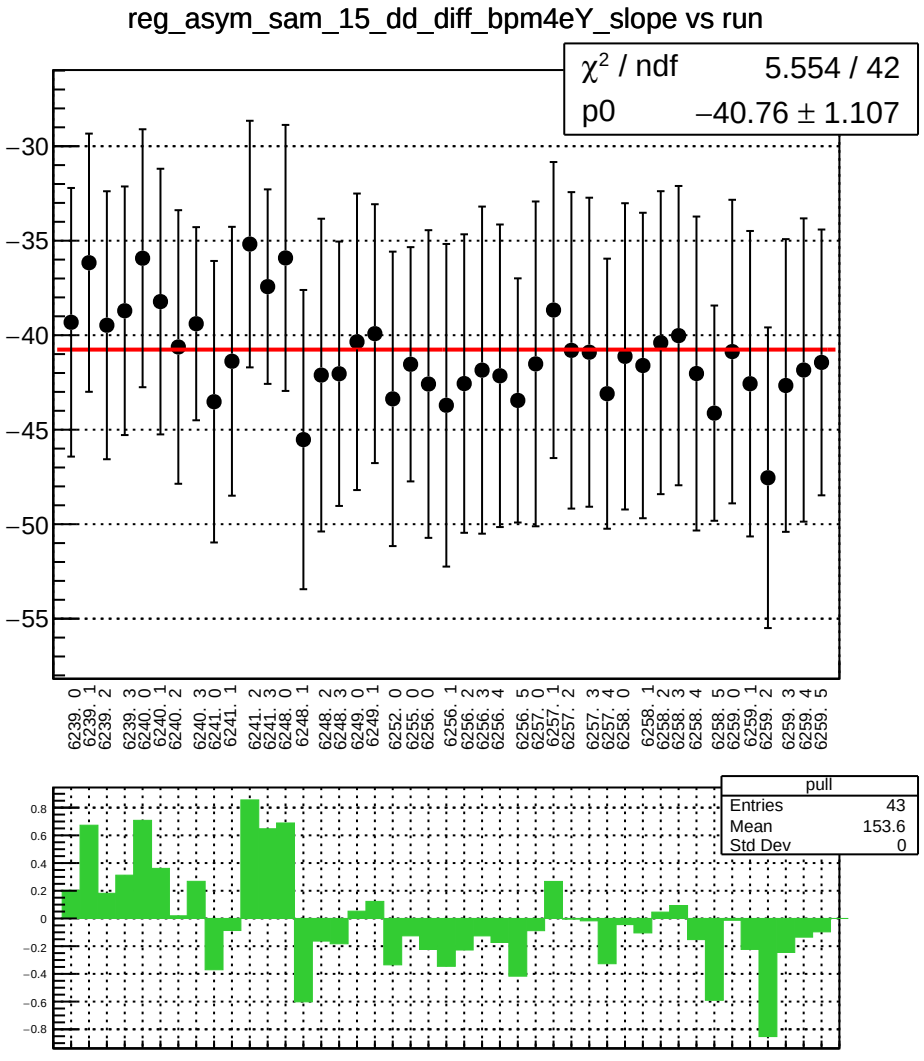

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 69.95 / 42
p0 −0.1121± 0.04346
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −341.9
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.03075
Std Dev 1.275
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

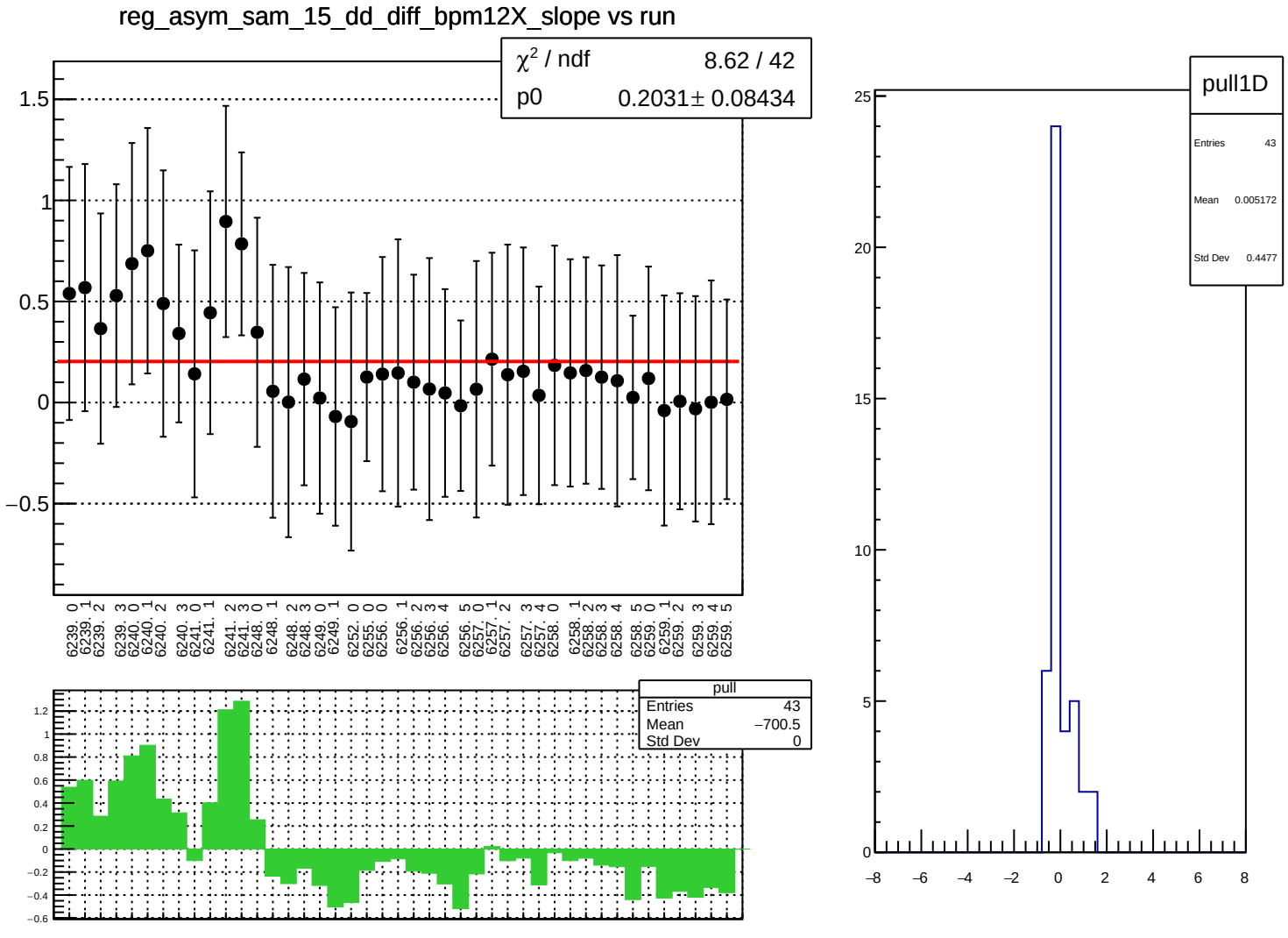

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 19.41 / 42
p0 −0.2263 ± 0.836
15
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 397.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.01547
Std Dev 0.6717
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

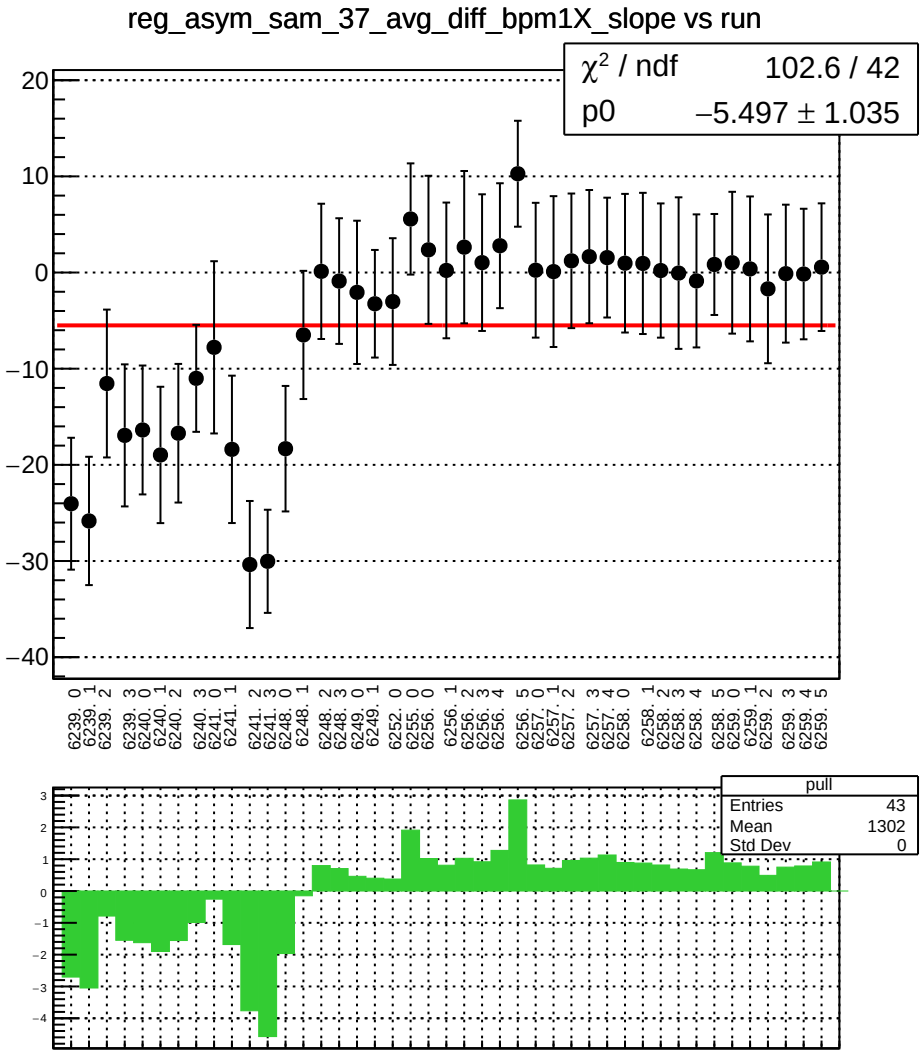

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.533 / 42
p0 −55.8 ± 1.014
−45
−50
−55
−60
−65
−70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 156
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

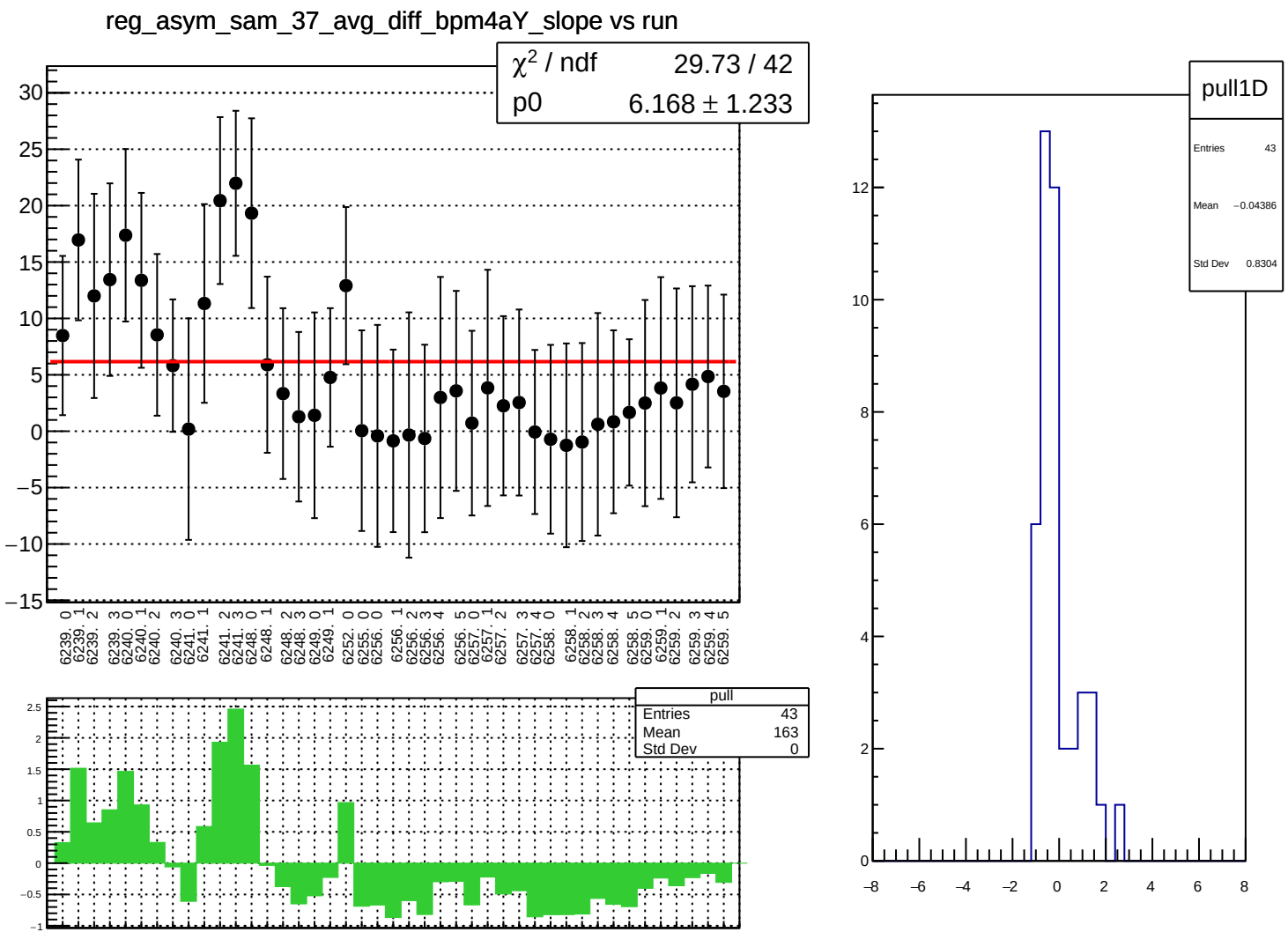

pull1D
Entries 43
Mean 0.01687
Std Dev 0.3894
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

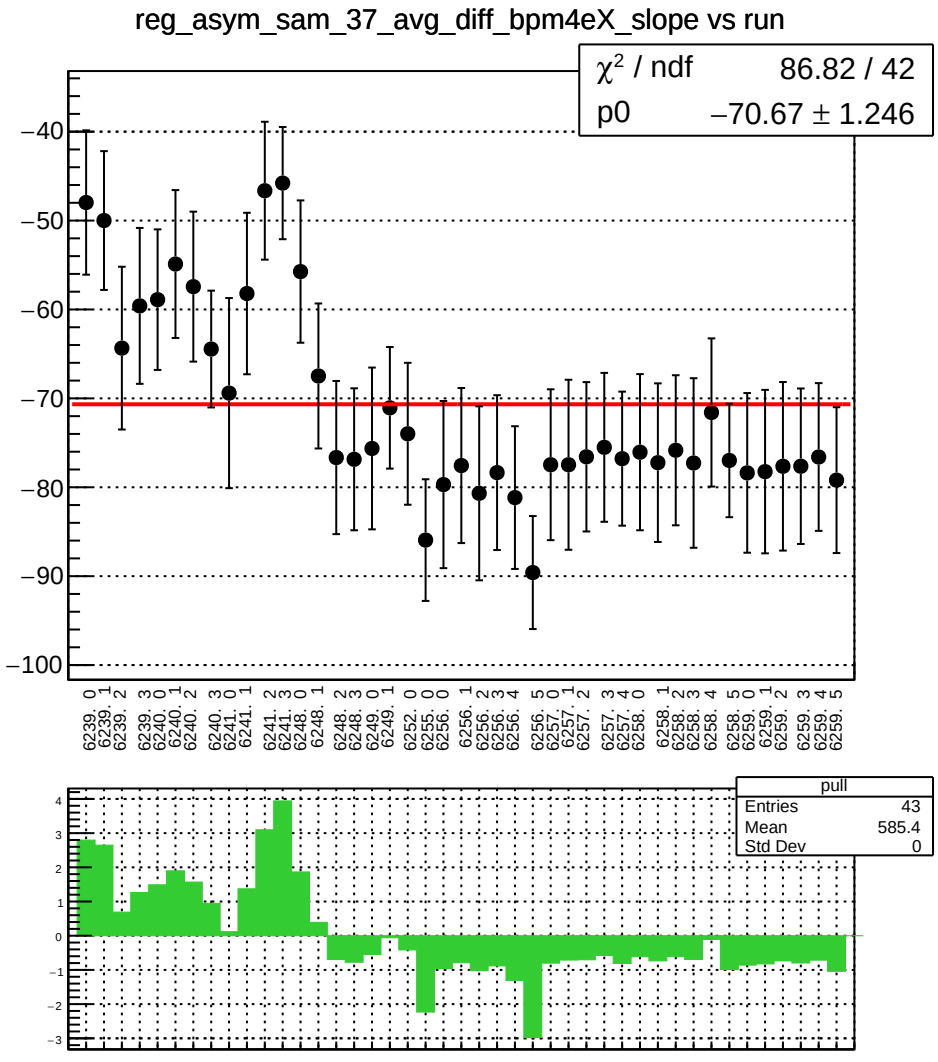

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 19 / 42
p0 −5.03 ± 1.006
pull
Entries 43
Mean 272.4
Std Dev 0
pull1D
Entries 43
Mean 0.0226
Std Dev 0.6643

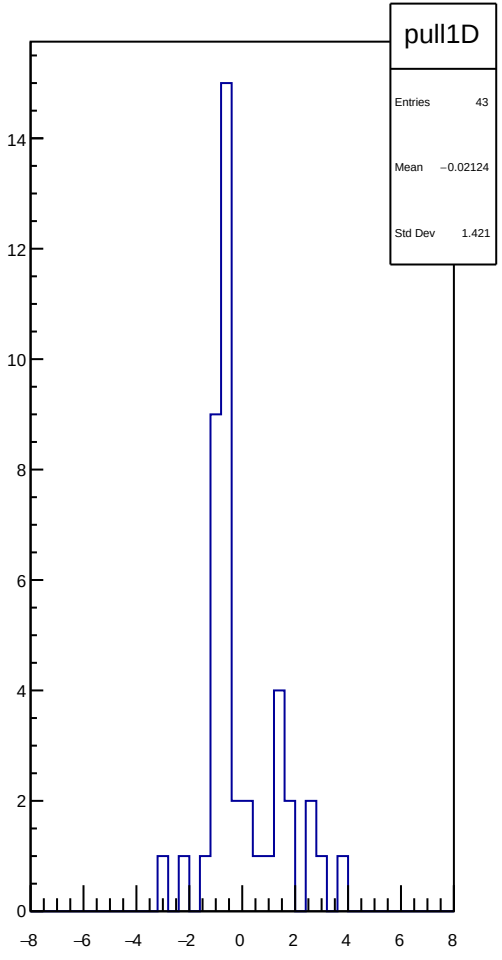

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.554 / 42
p0 −40.76 ± 1.107
−30
−35
−40
−45
−50
−55
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 153.6
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean −0.01783
Std Dev 0.359
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

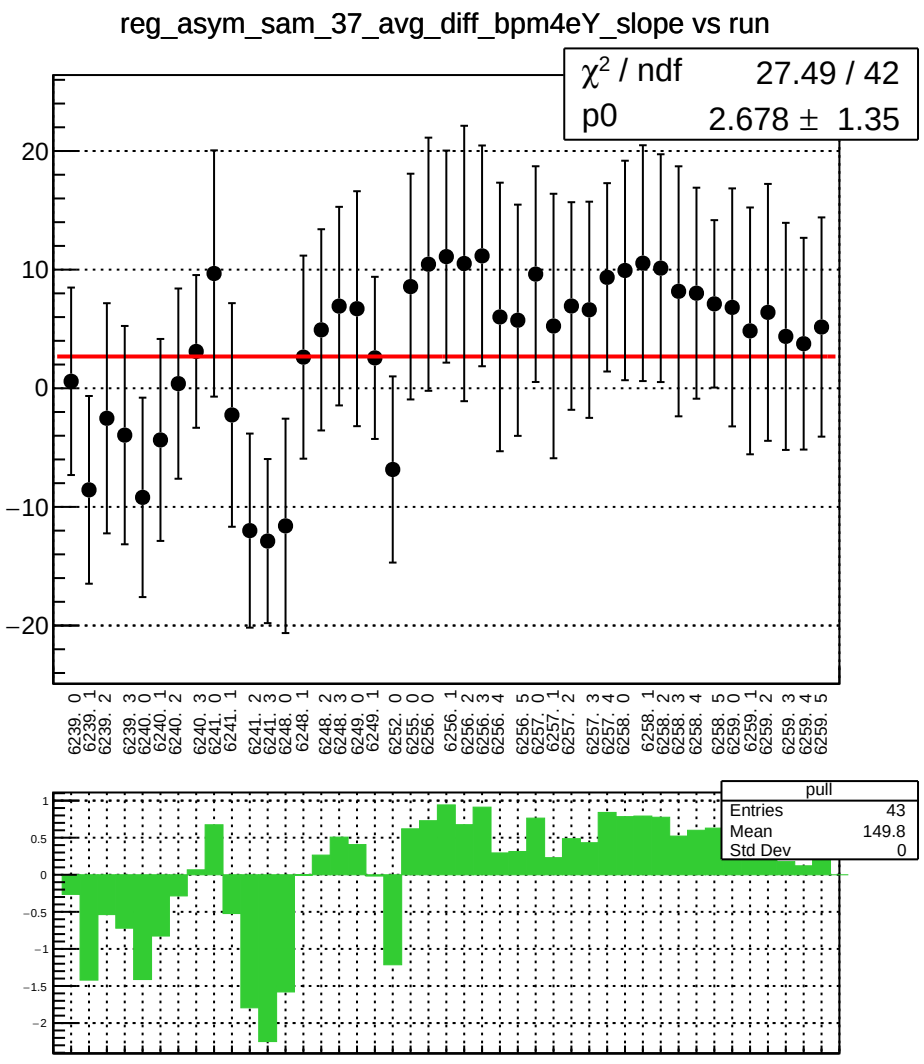

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 8.62 / 42
p0 0.2031± 0.08434
1.5
1
0.5
0
−0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −700.5
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 43
Mean 0.005172
Std Dev 0.4477
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

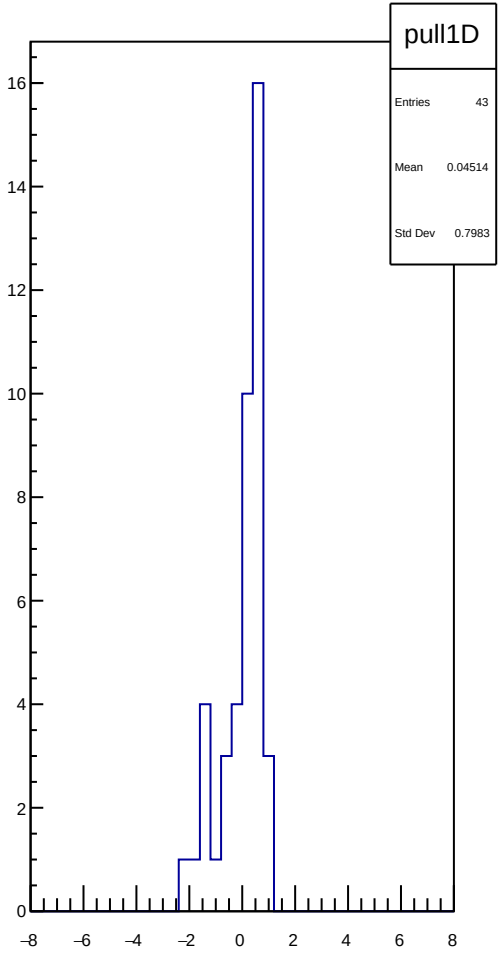

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 102.6 / 42
p0 −5.497 ± 1.035
pull
Entries 43
Mean 1302
Std Dev 0
pull1D
Entries 43
Mean 0.01031
Std Dev 1.544

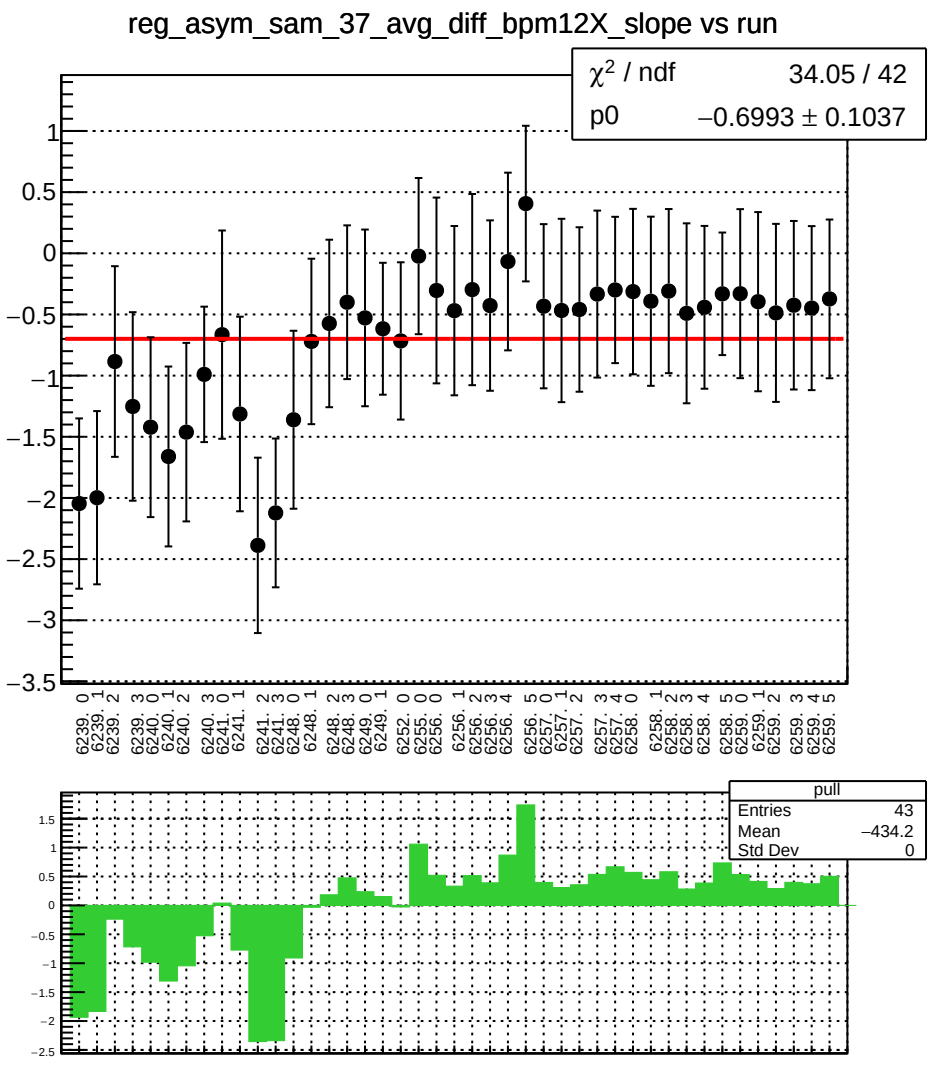

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.73 / 42
p0 6.168 ± 1.233
pull
Entries 43
Mean 163
Std Dev 0
pull1D
Entries 43
Mean −0.04386
Std Dev 0.8304

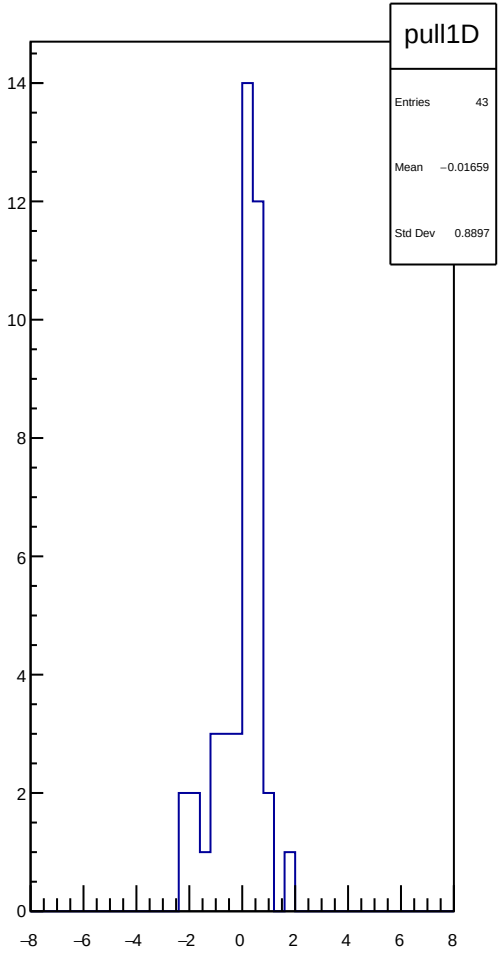

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.82 / 42
p0 −70.67 ± 1.246
pull
Entries 43
Mean 585.4
Std Dev 0

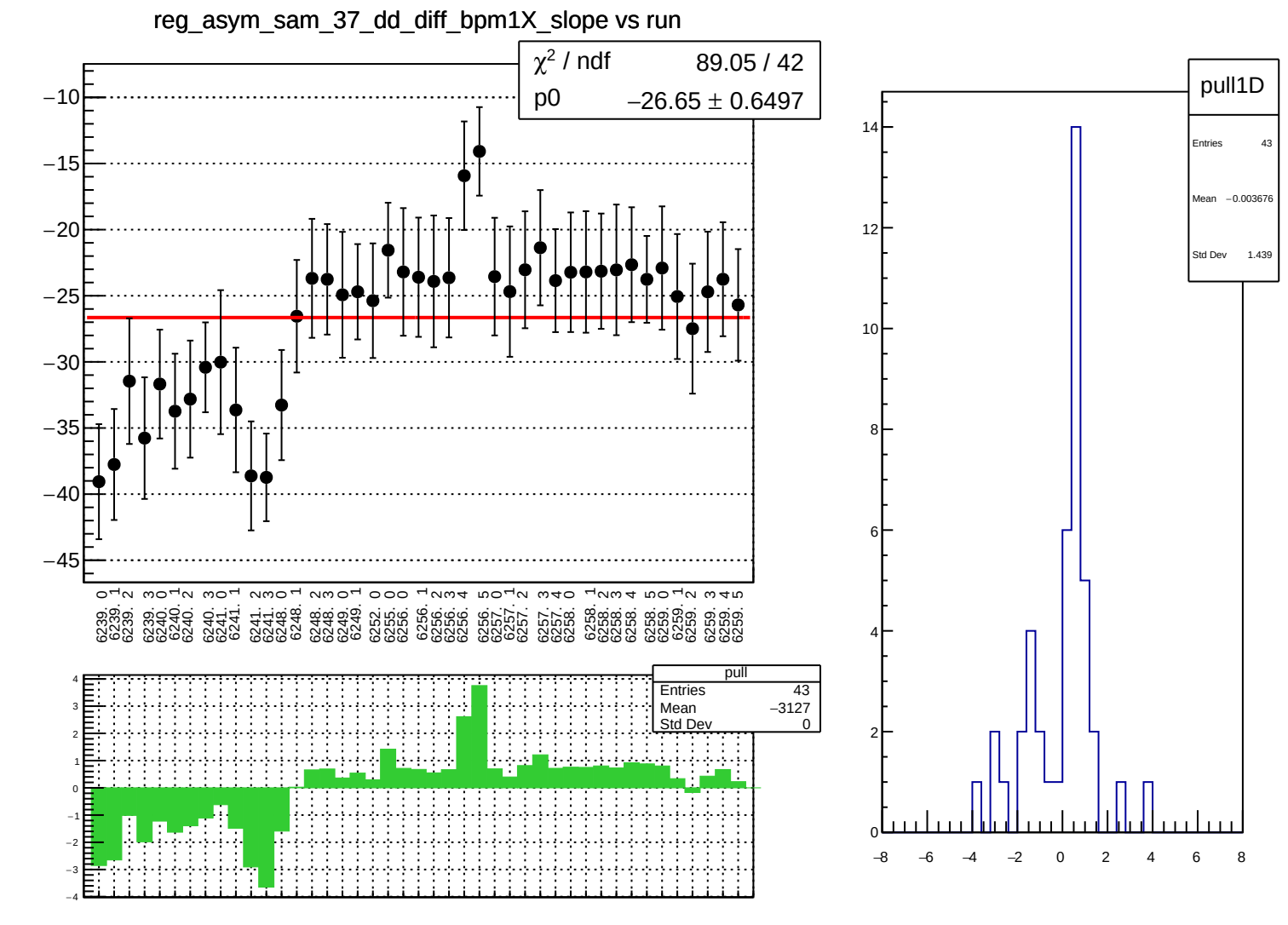

pull1D
Entries 43
Mean −0.02124
Std Dev 1.421

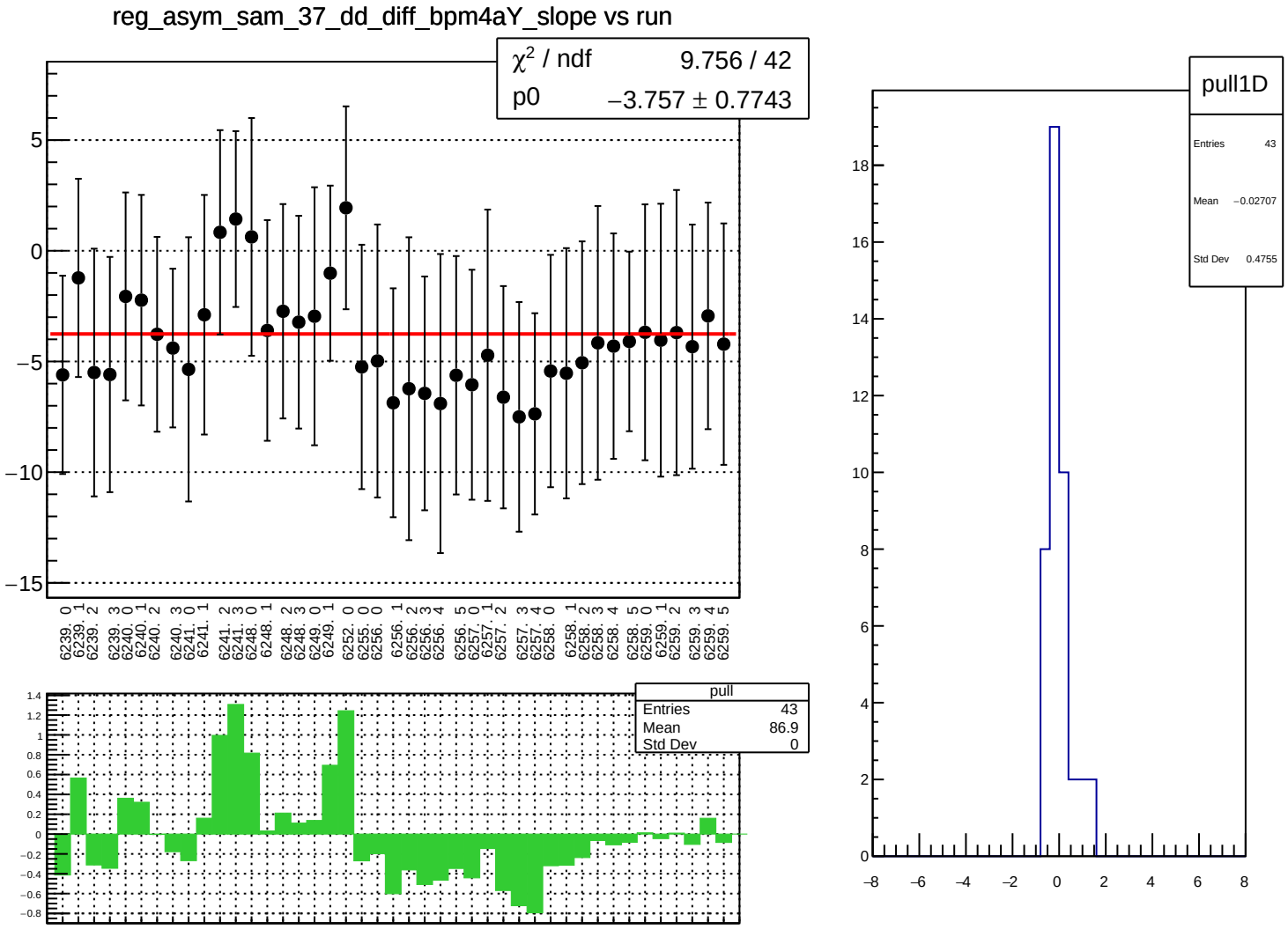

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.49 / 42
p0 2.678 ± 1.35
pull
Entries 43
Mean 149.8
Std Dev 0

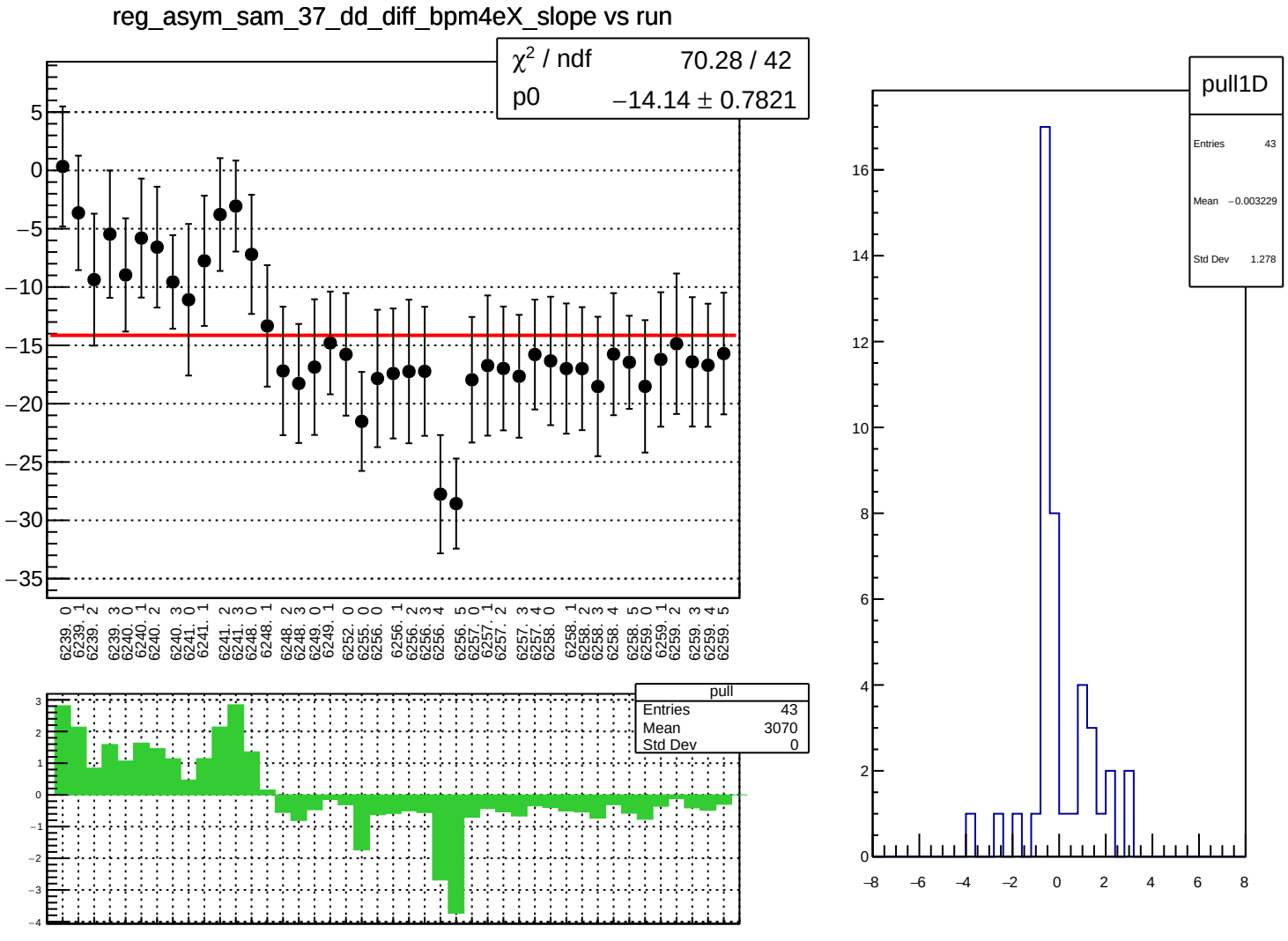

pull1D
Entries 43
Mean 0.04514
Std Dev 0.7983

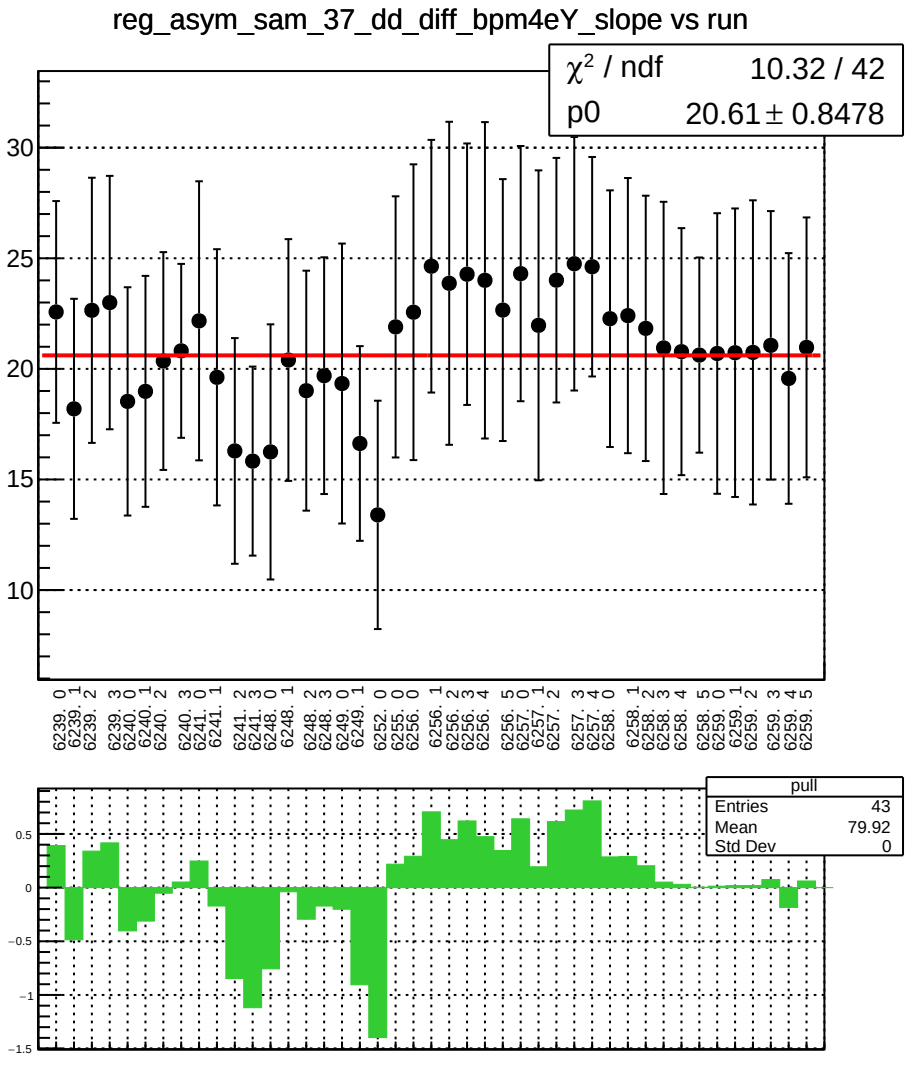

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 34.05 / 42
p0 −0.6993 ± 0.1037
pull
Entries 43
Mean −434.2
Std Dev 0

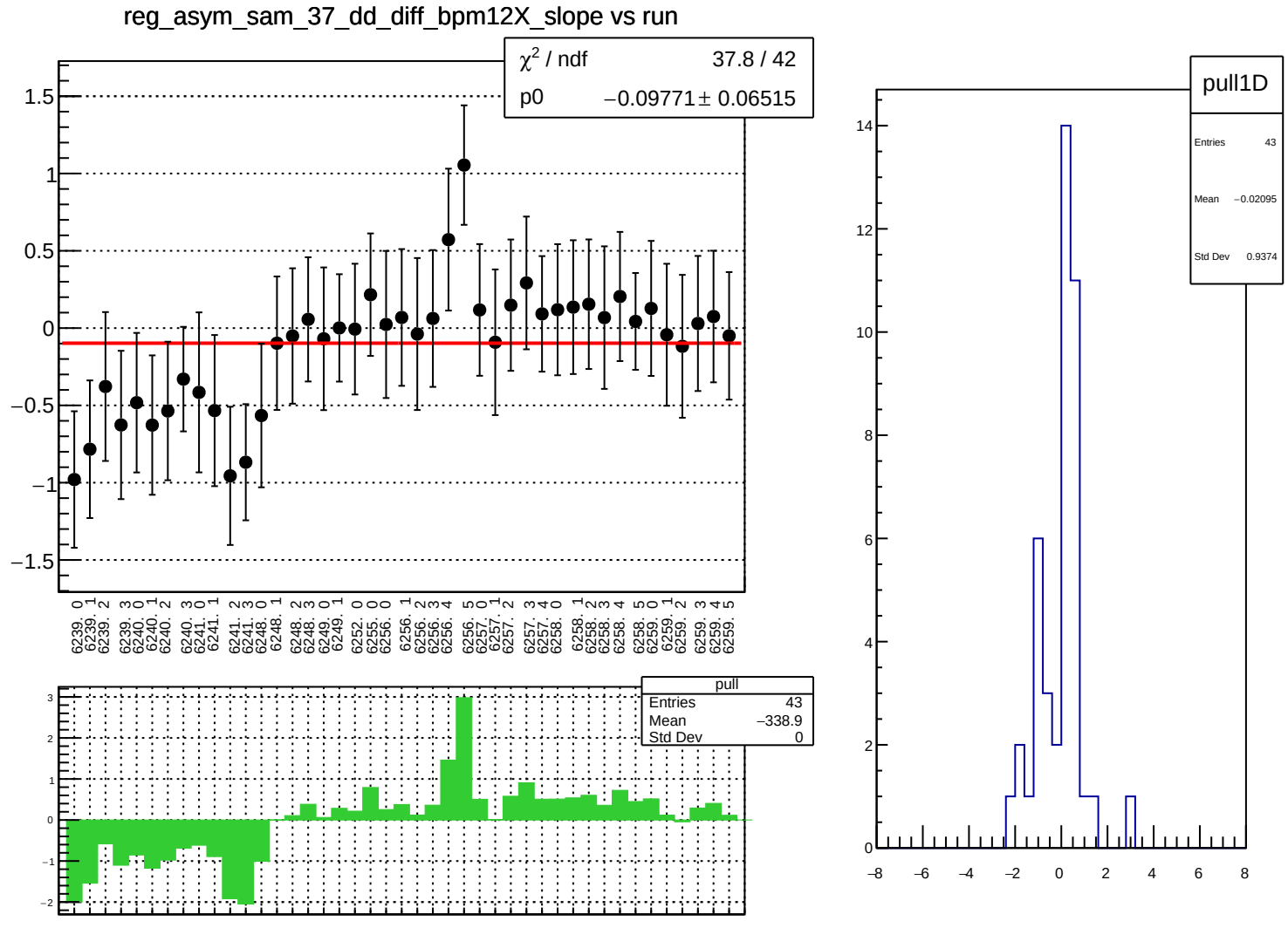

pull1D
Entries 43
Mean −0.01659
Std Dev 0.8897

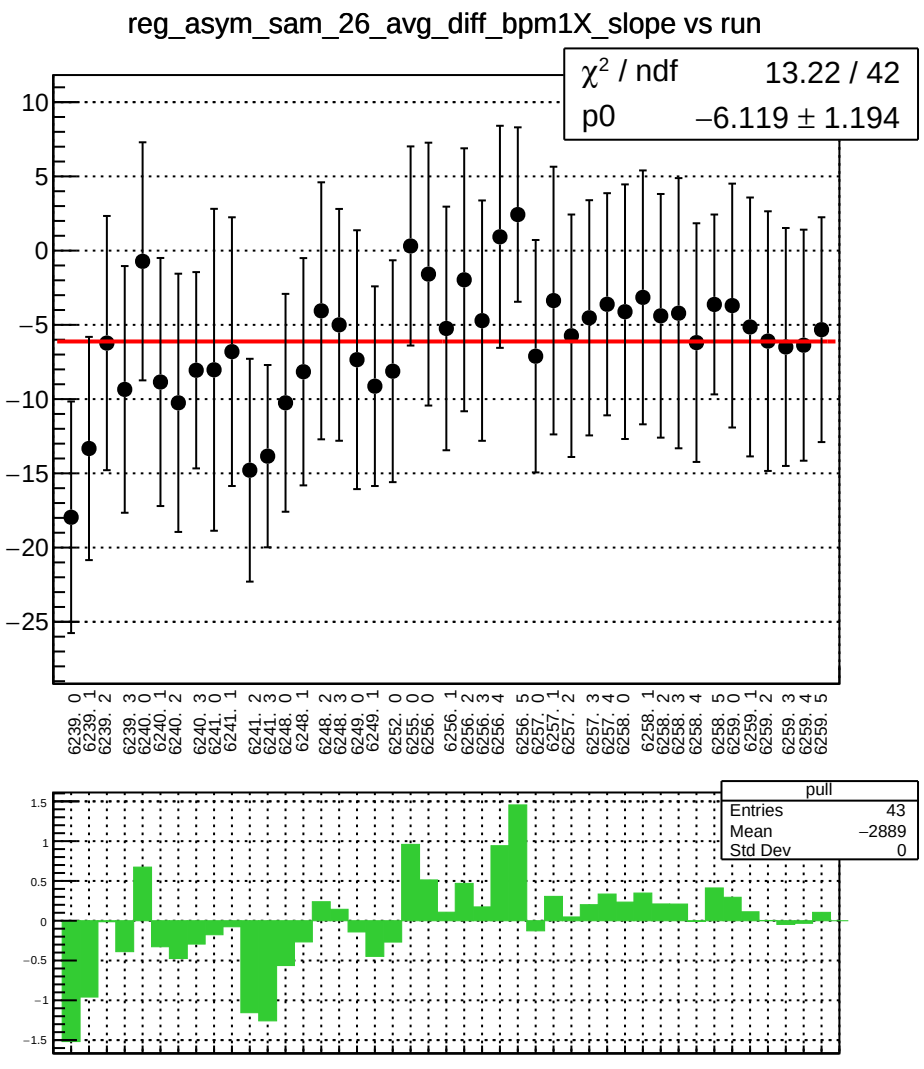

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 89.05 / 42
p0 −26.65 ± 0.6497
pull
Entries 43
Mean −3127
Std Dev 0
pull1D
Entries 43
Mean −0.003676
Std Dev 1.439

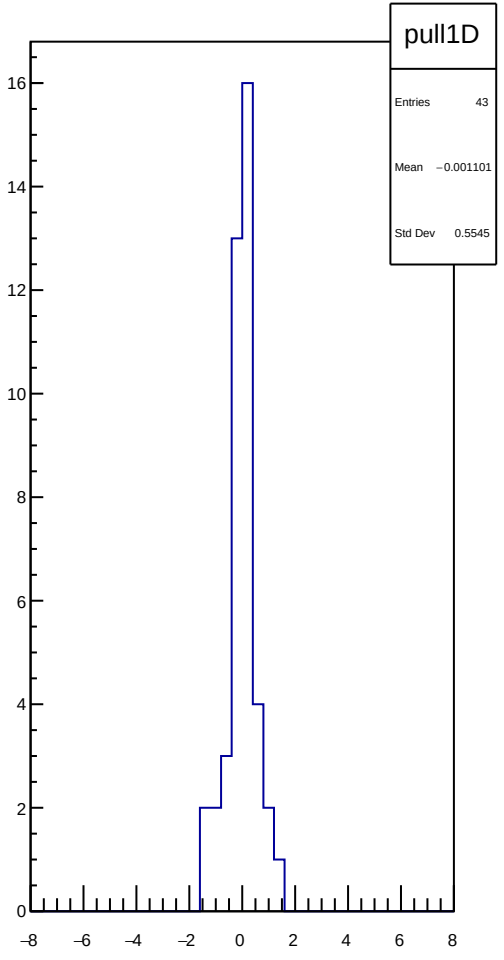

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.756 / 42
p0 −3.757 ± 0.7743
pull
Entries 43
Mean 86.9
Std Dev 0
pull1D
Entries 43
Mean −0.02707
Std Dev 0.4755

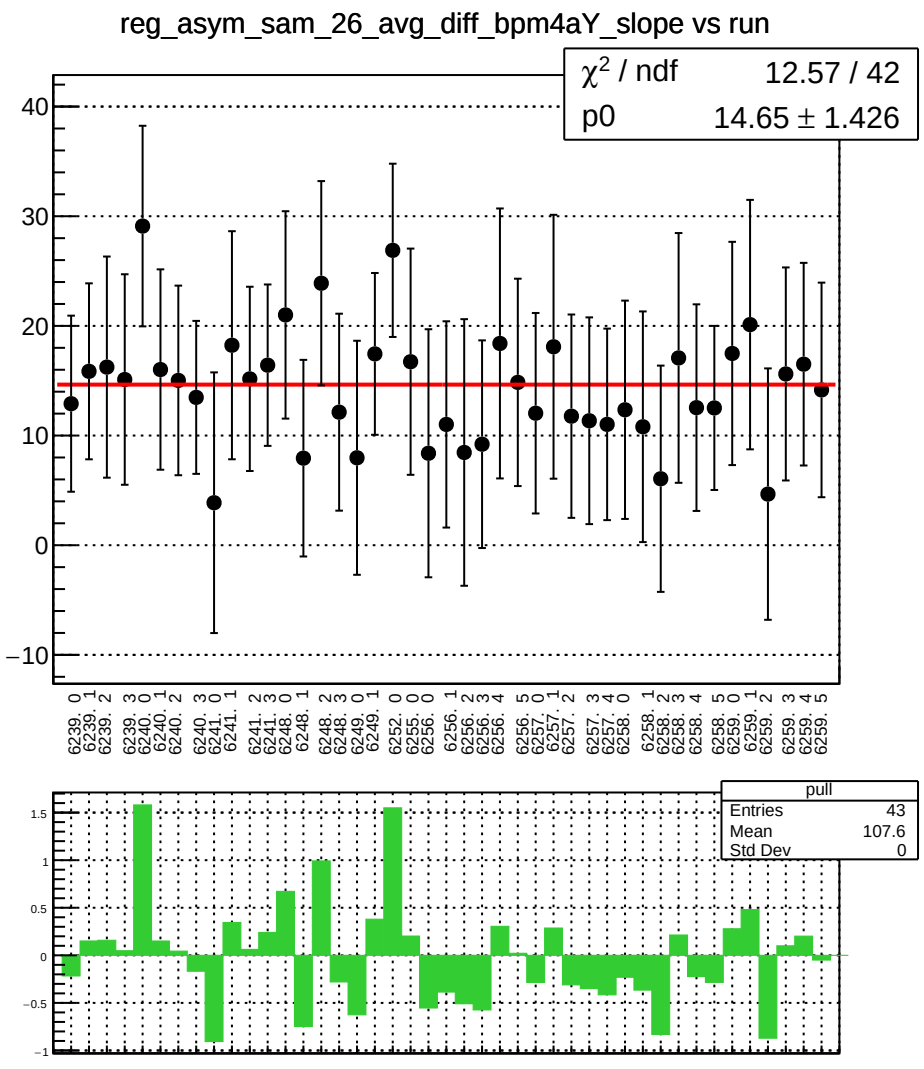

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.28 / 42
p0 −14.14 ± 0.7821
pull
Entries 43
Mean 3070
Std Dev 0
pull1D
Entries 43
Mean −0.003229
Std Dev 1.278

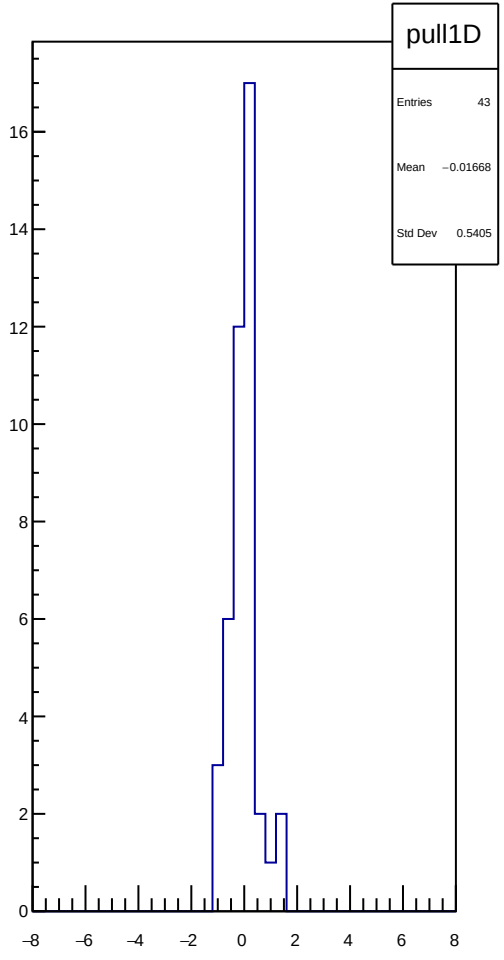

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.32 / 42
p0 20.61 ± 0.8478
pull
Entries 43
Mean 79.92
Std Dev 0
pull1D
Entries 43
Mean 0.02898
Std Dev 0.489

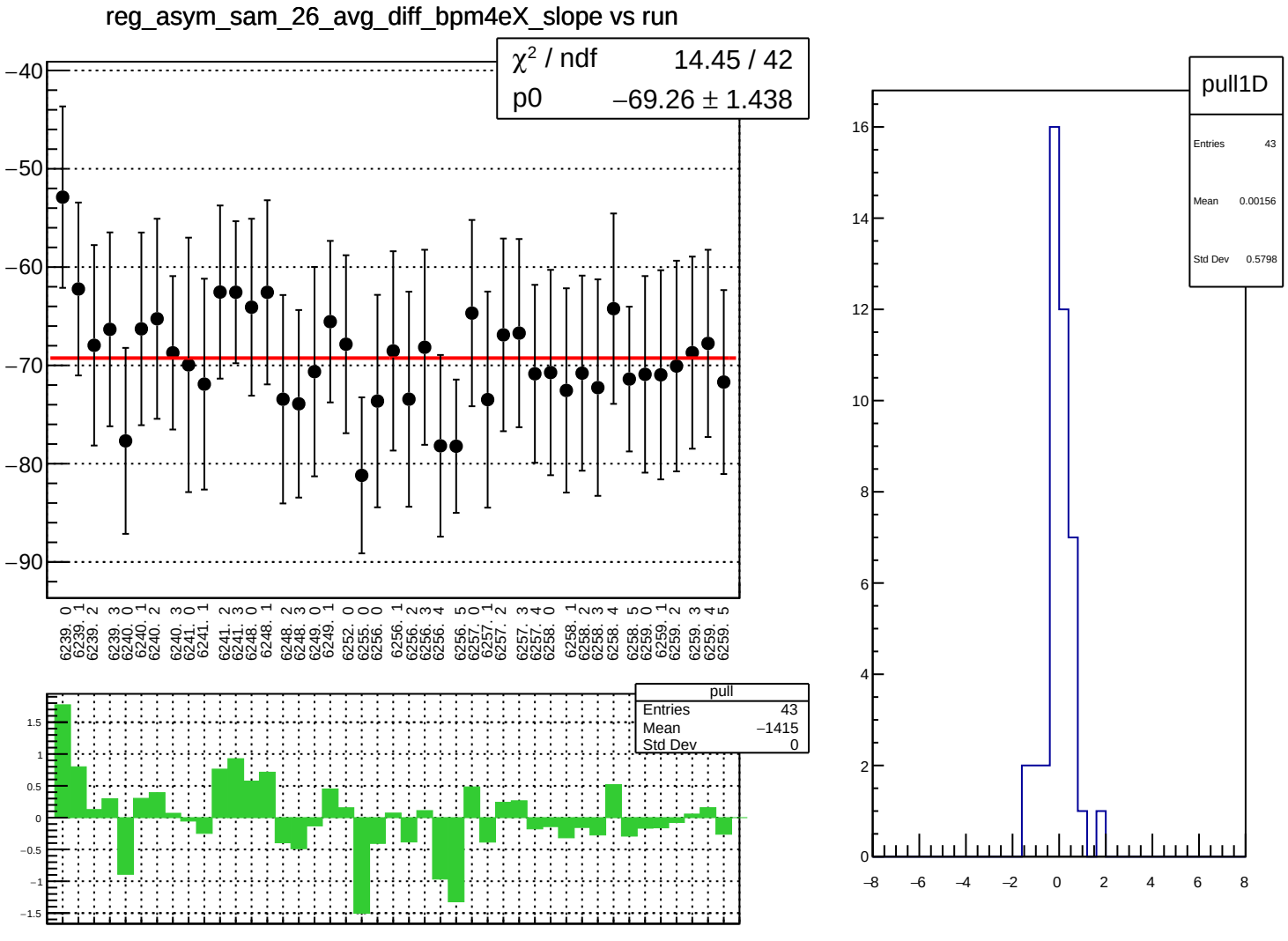

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 37.8 / 42
p0 −0.09771 ± 0.06515
pull
Entries 43
Mean −338.9
Std Dev 0
pull1D
Entries 43
Mean −0.02095
Std Dev 0.9374

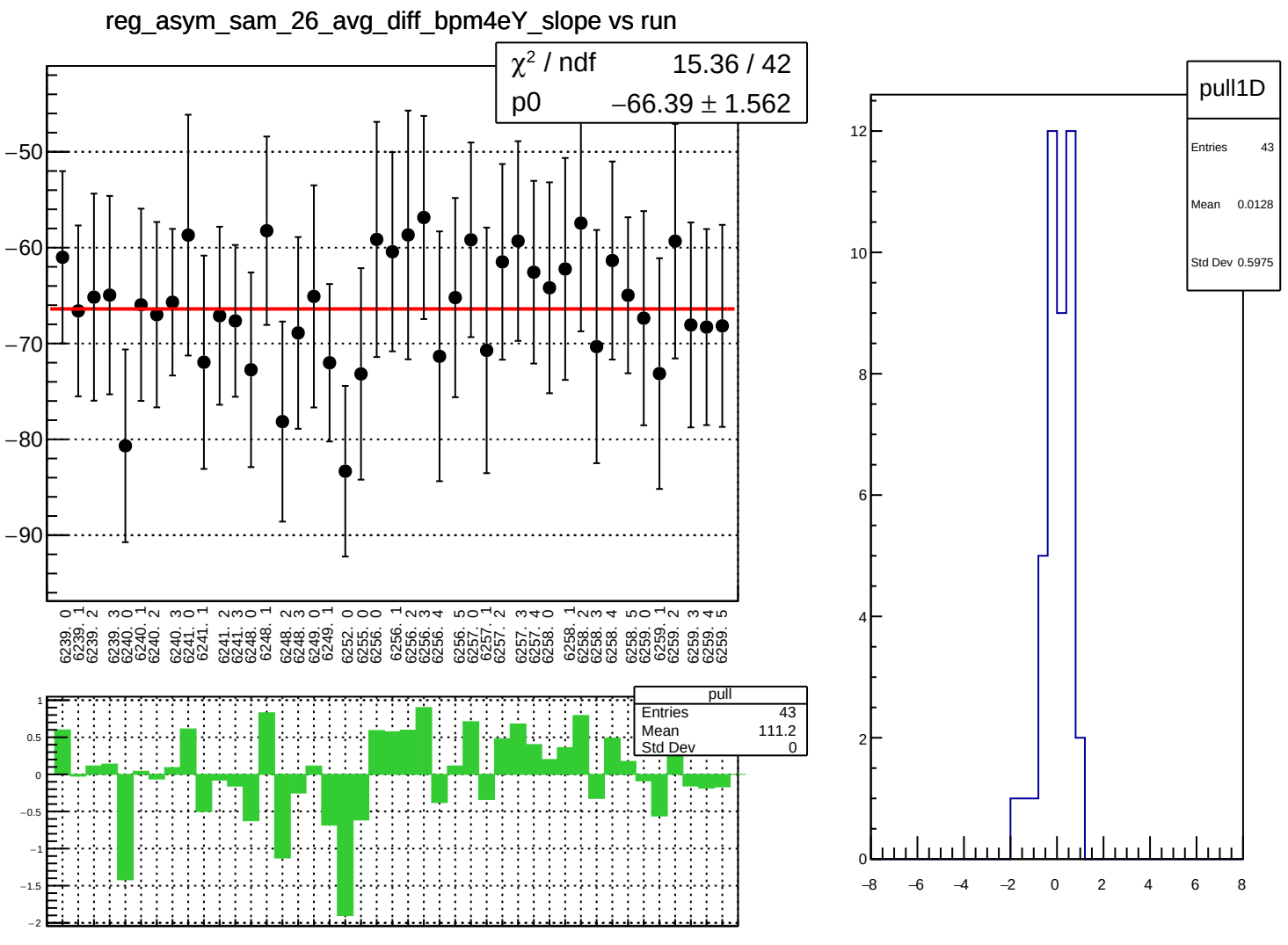

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 13.22 / 42
p0 −6.119 ± 1.194
pull
Entries 43
Mean −2889
Std Dev 0

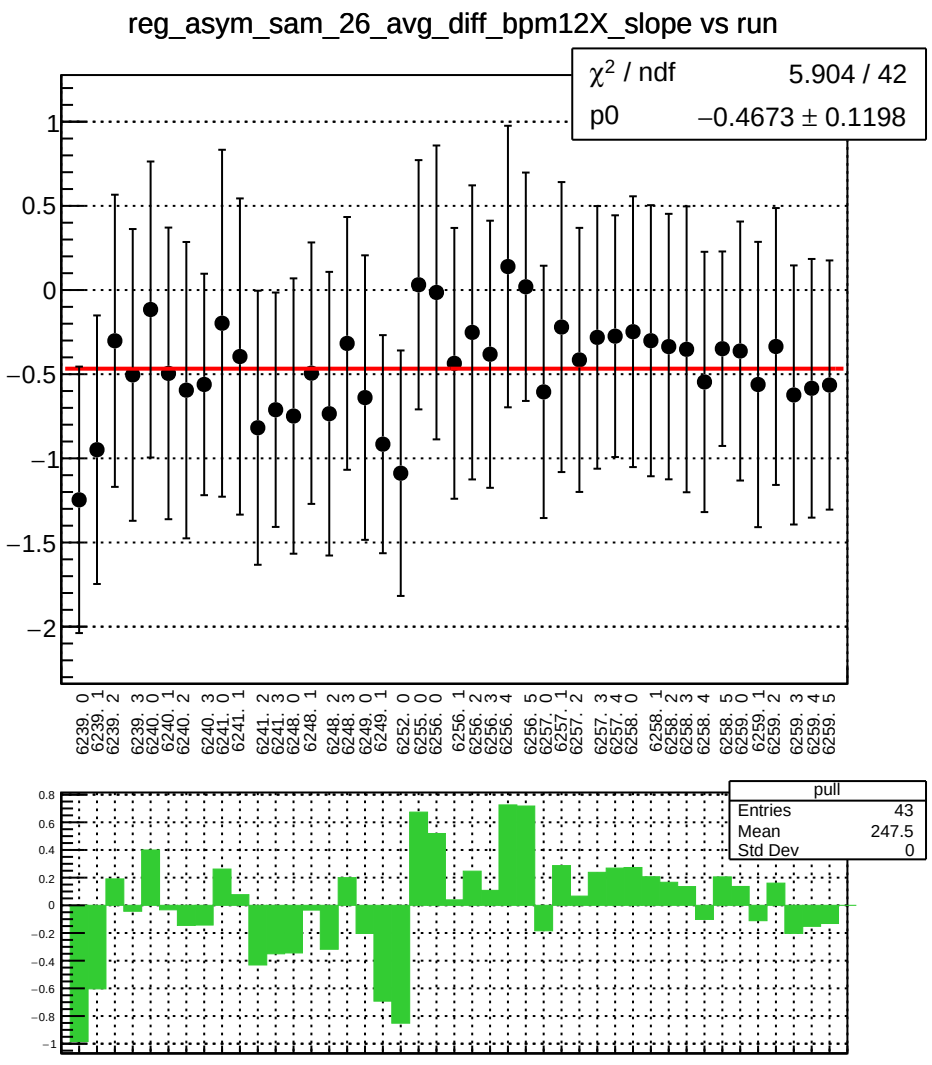

pull1D
Entries 43
Mean −0.001101
Std Dev 0.5545

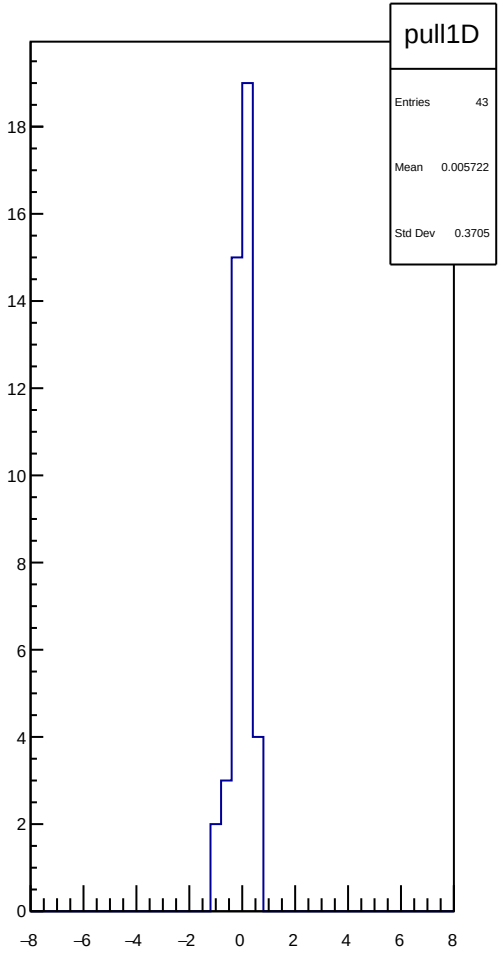

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.57 / 42
p0 14.65 ± 1.426
40
30
20
10
0
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 107.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1

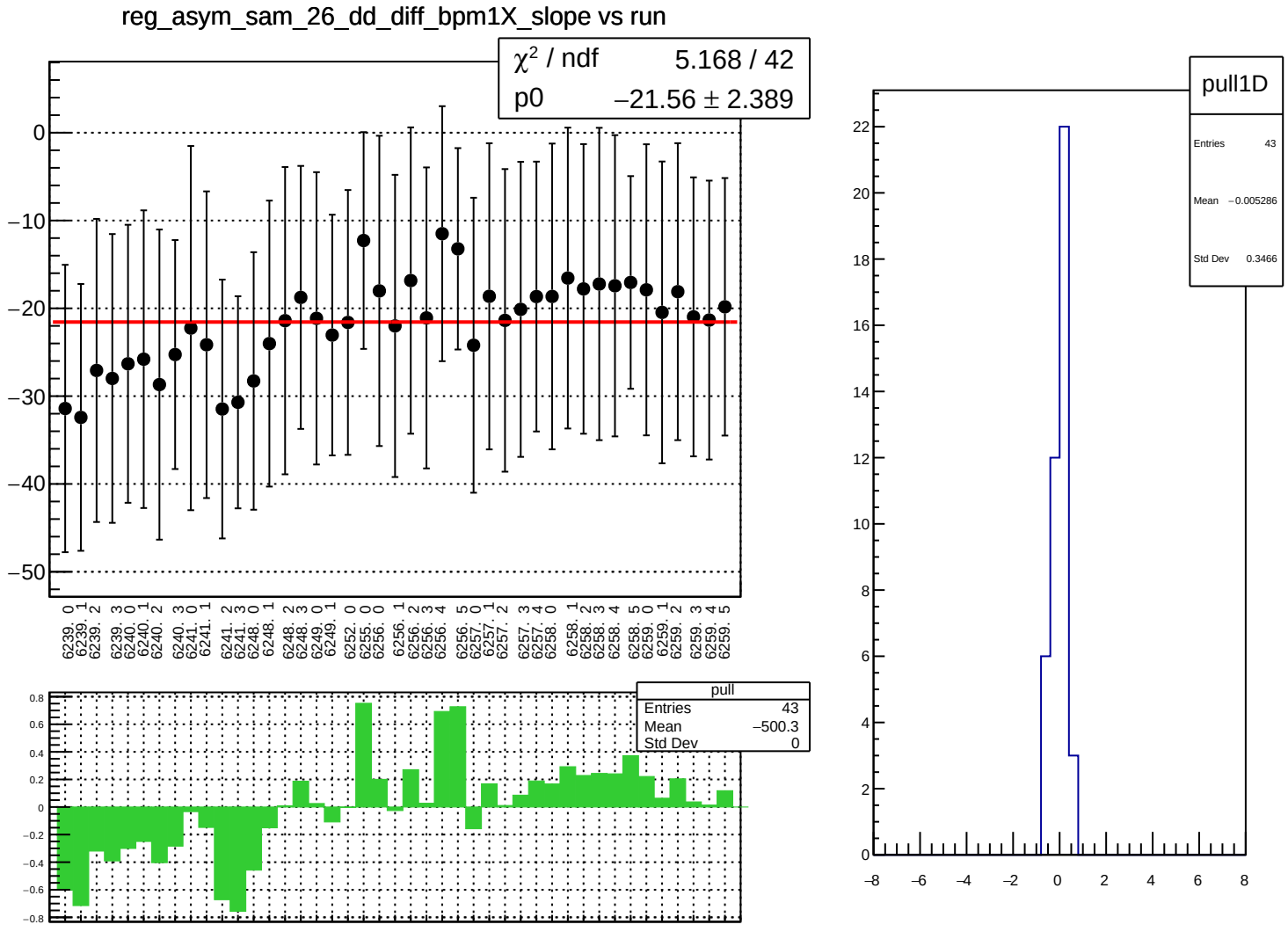

pull1D
Entries 43
Mean −0.01668
Std Dev 0.5405
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

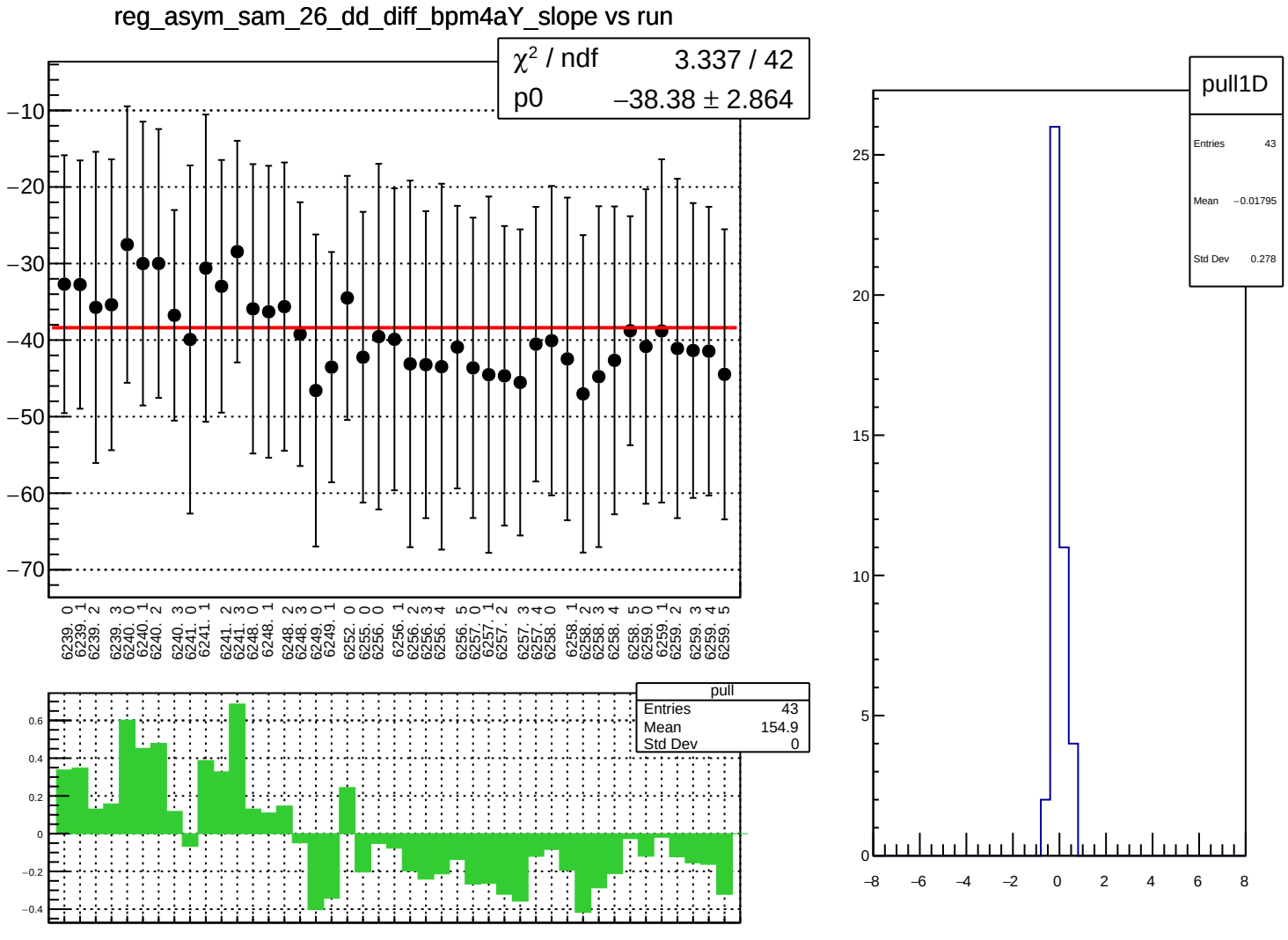

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.45 / 42
p0 −69.26 ± 1.438
−40
−50
−60
−70
−80
−90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1415
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.00156
Std Dev 0.5798
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

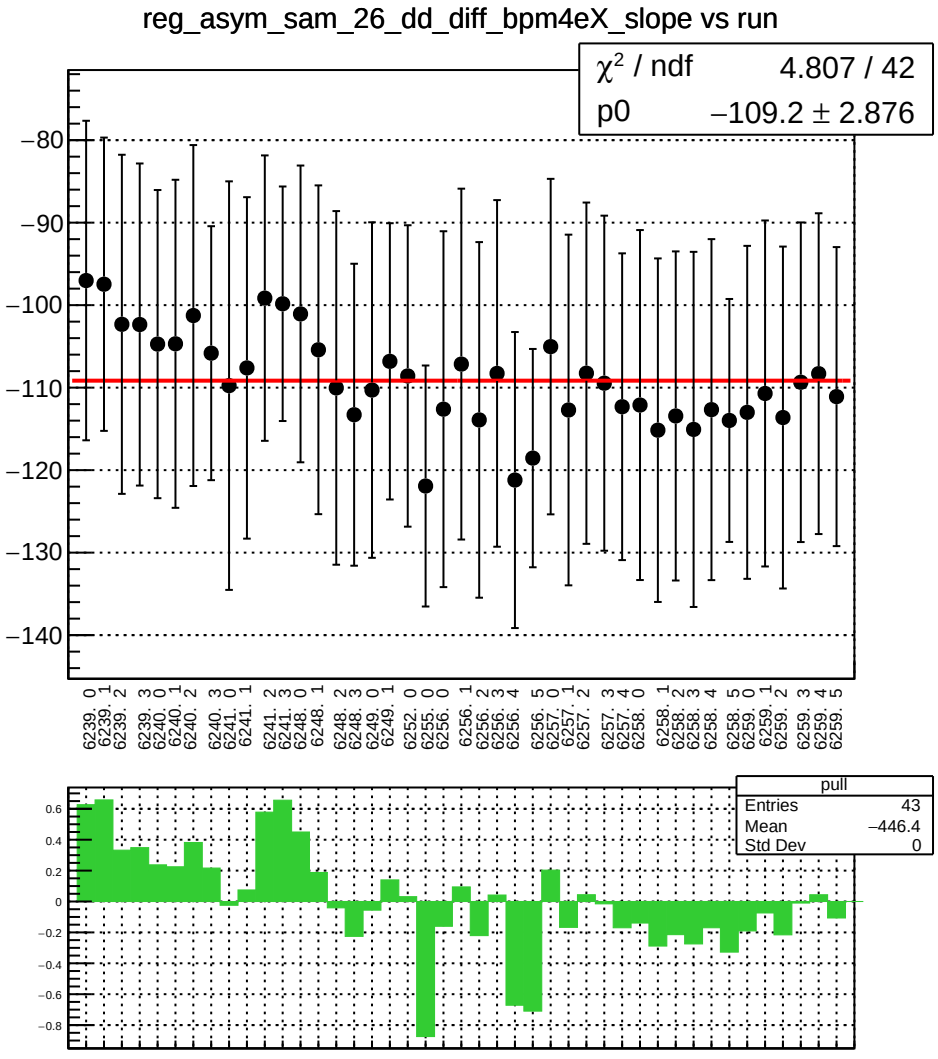

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.36 / 42
p0 −66.39 ± 1.562
−50
−60
−70
−80
−90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 111.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.0128
Std Dev 0.5975
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

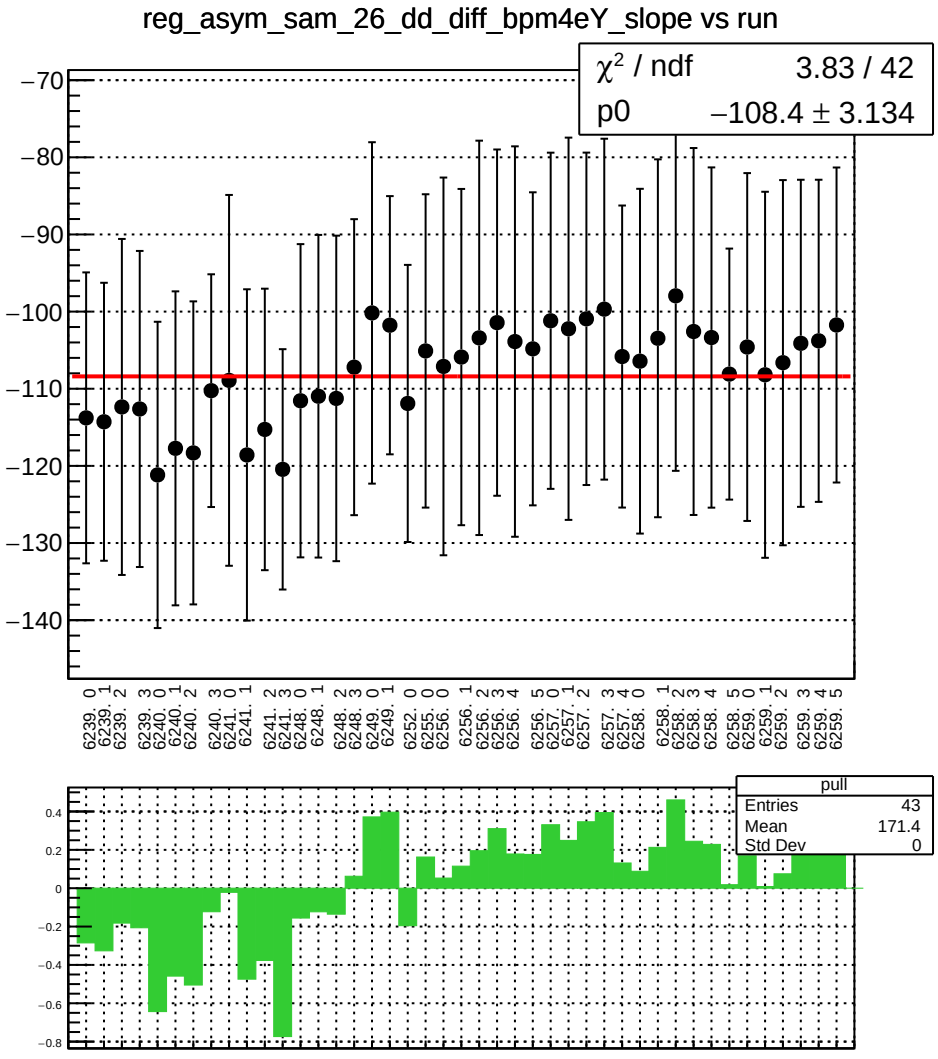

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 5.904 / 42
p0 −0.4673 ± 0.1198
pull
Entries 43
Mean 247.5
Std Dev 0

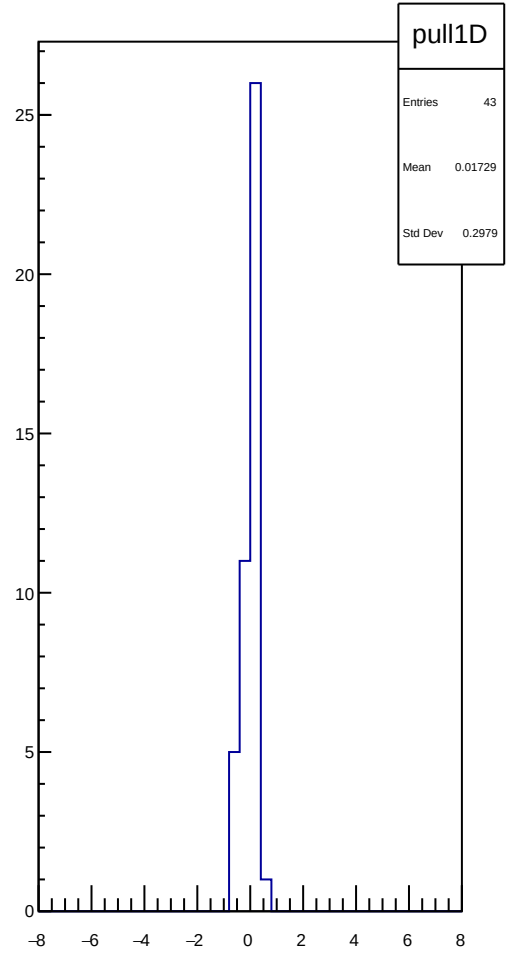

pull1D
Entries 43
Mean 0.005722
Std Dev 0.3705

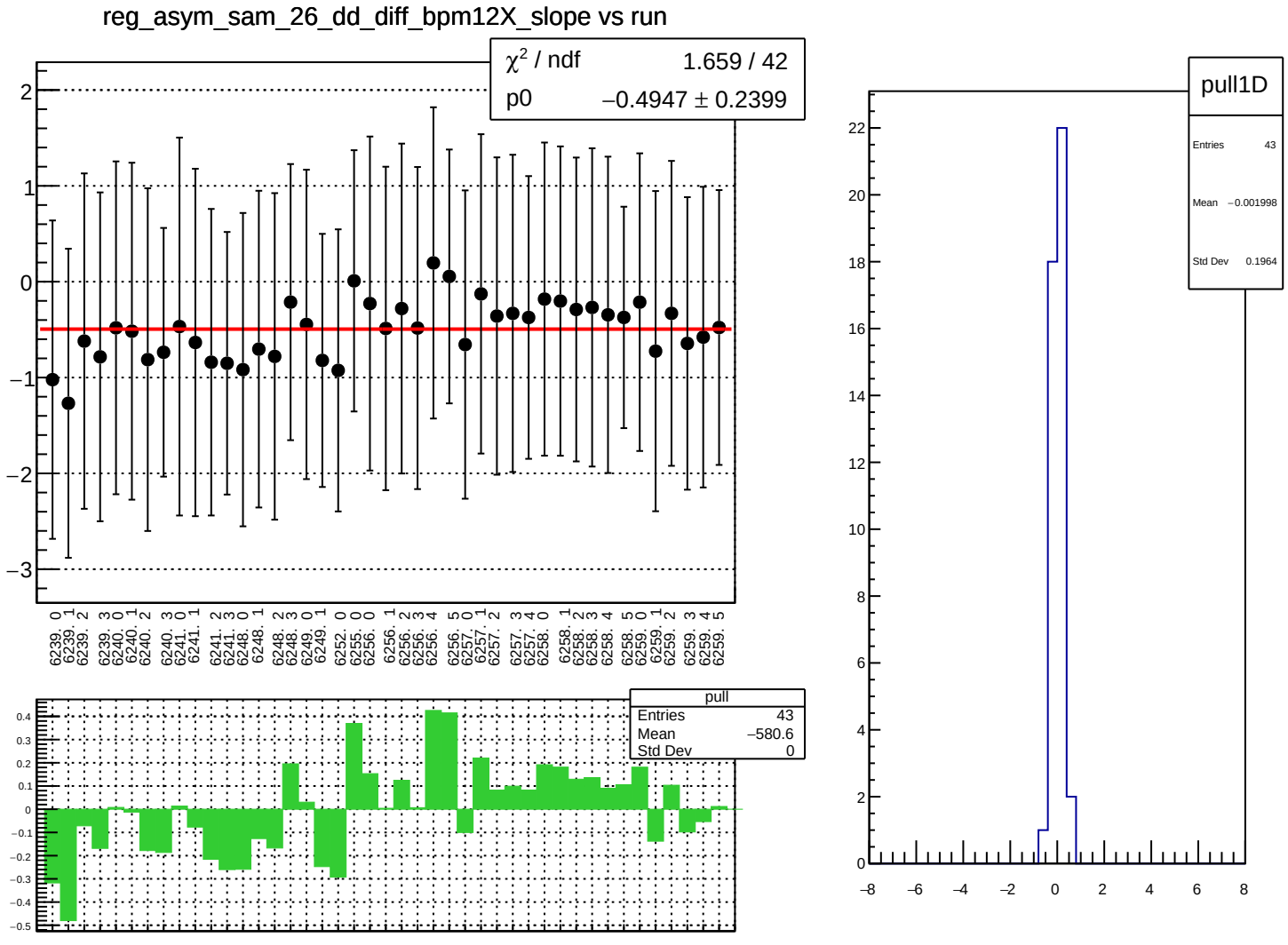

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.168 / 42
p0 −21.56 ± 2.389
pull
Entries 43
Mean −500.3
Std Dev 0
pull1D
Entries 43
Mean −0.005286
Std Dev 0.3466

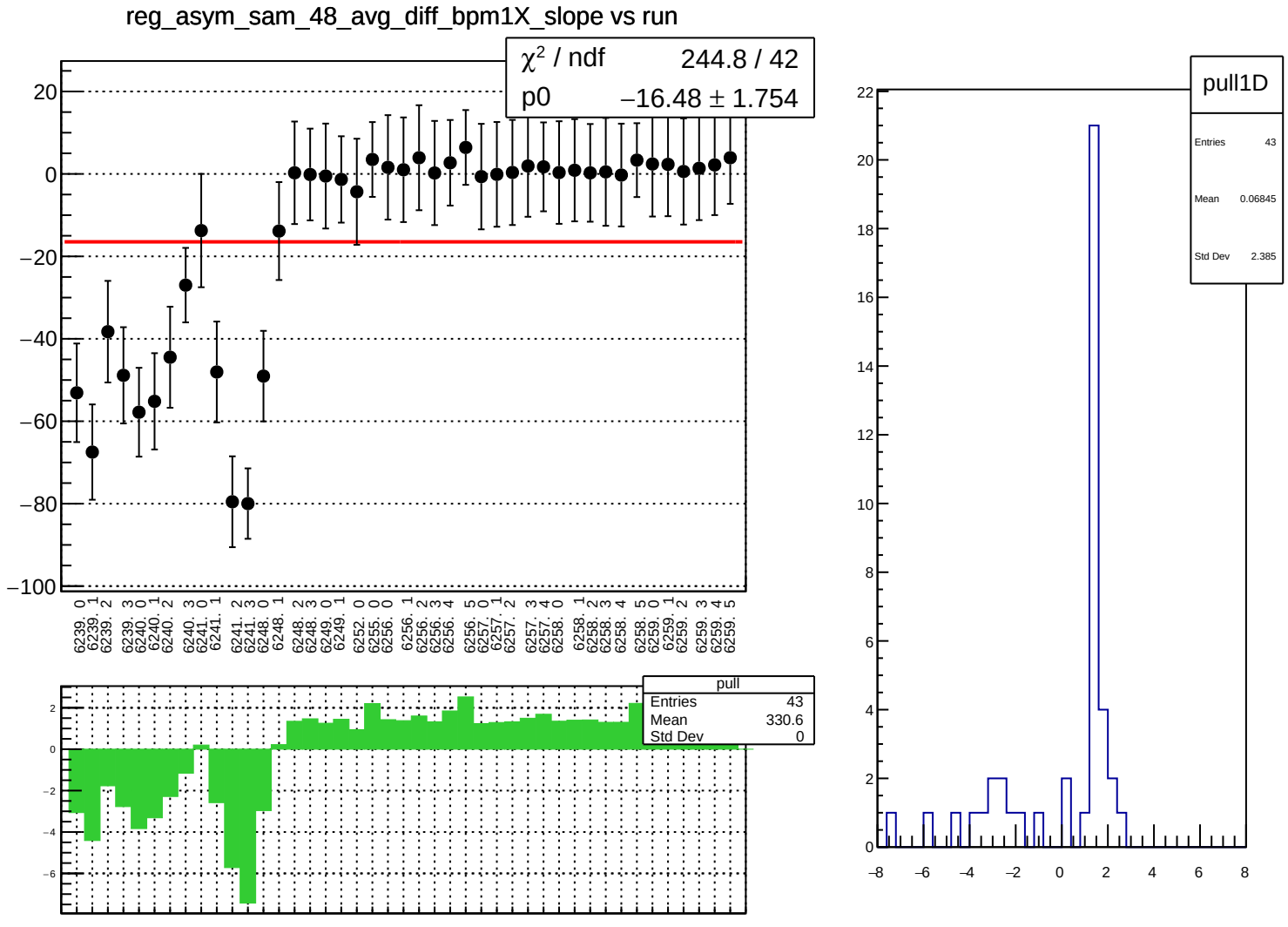

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.337 / 42
p0 −38.38 ± 2.864
−10
−20
−30
−40
−50
−60
−70
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 154.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 43
Mean −0.01795
Std Dev 0.278
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

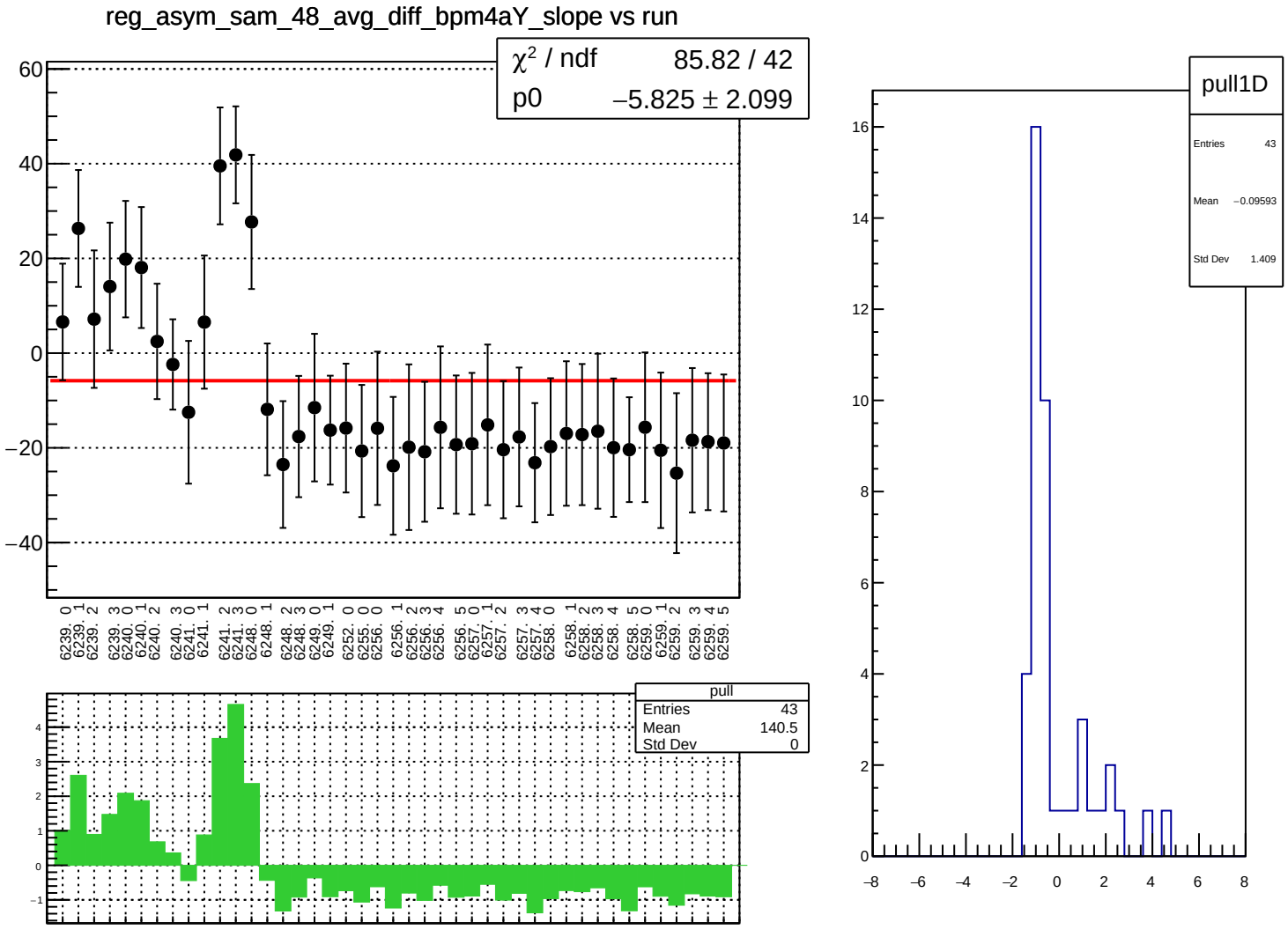

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.807 / 42
p0 −109.2 ± 2.876
−80
−90
−100
−110
−120
−130
−140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −446.4
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 43
Mean 0.00523
Std Dev 0.3343
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

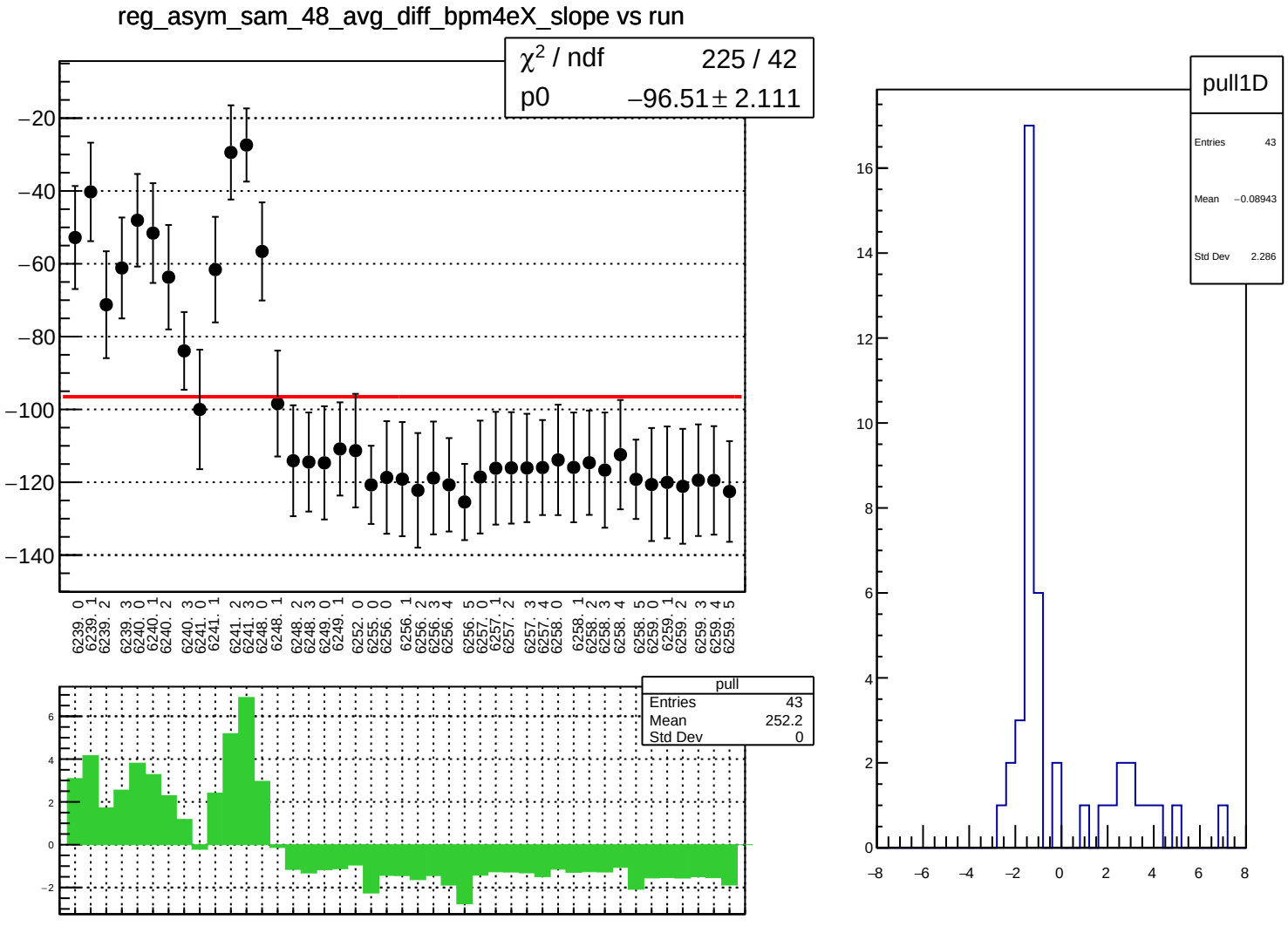

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.83 / 42
p0 −108.4 ± 3.134
pull
Entries 43
Mean 171.4
Std Dev 0

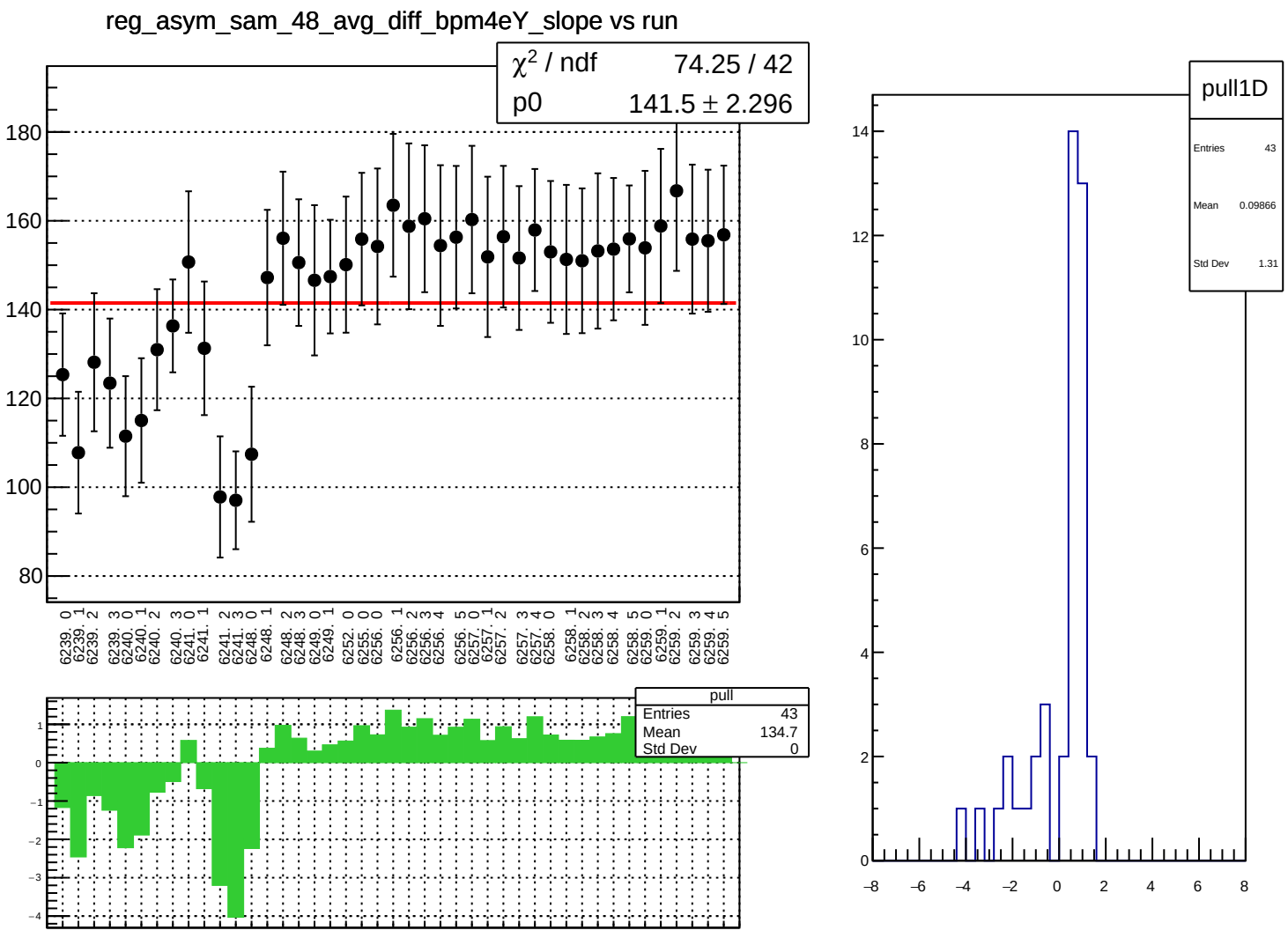

pull1D
Entries 43
Mean 0.01729
Std Dev 0.2979

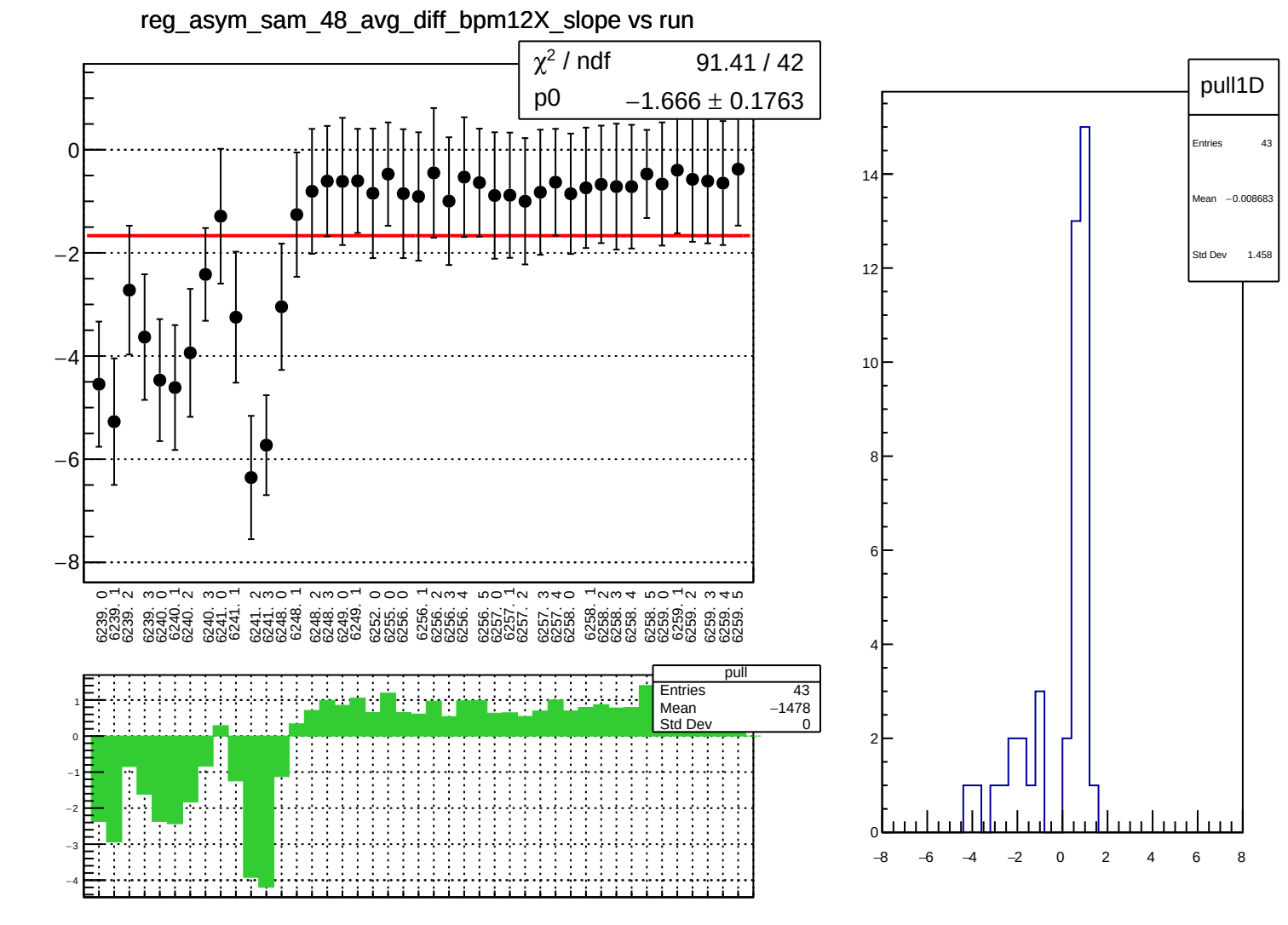

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.659 / 42
p0 −0.4947 ± 0.2399
pull
Entries 43
Mean −580.6
Std Dev 0
pull1D
Entries 43
Mean −0.001998
Std Dev 0.1964

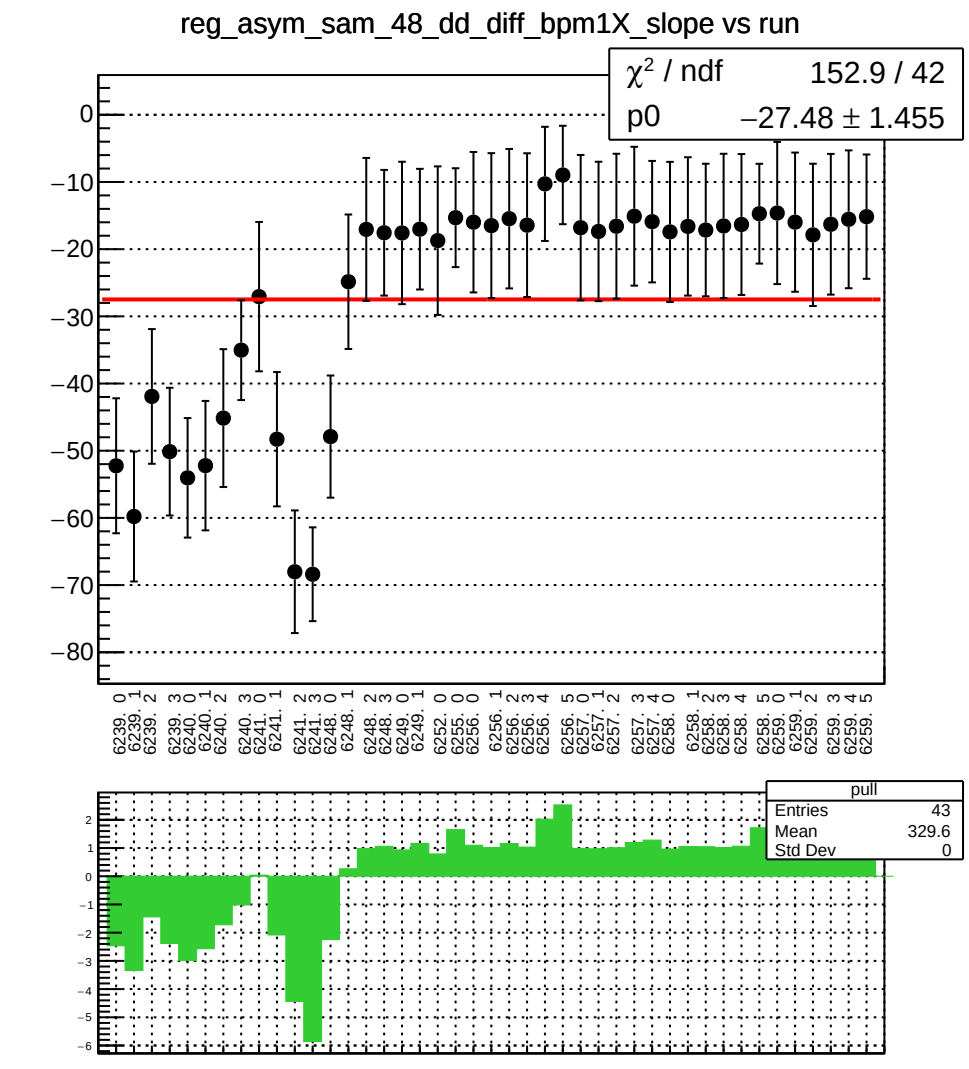

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 244.8 / 42
p0 −16.48 ± 1.754
pull
Entries 43
Mean 330.6
Std Dev 0
pull1D
Entries 43
Mean 0.06845
Std Dev 2.385

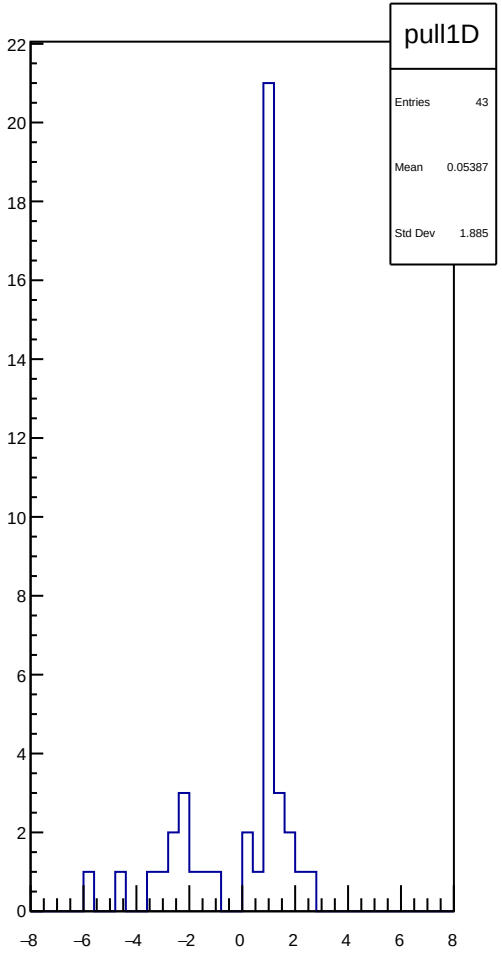

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.82 / 42
p0 −5.825 ± 2.099
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 140.5
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 43
Mean −0.09593
Std Dev 1.409
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

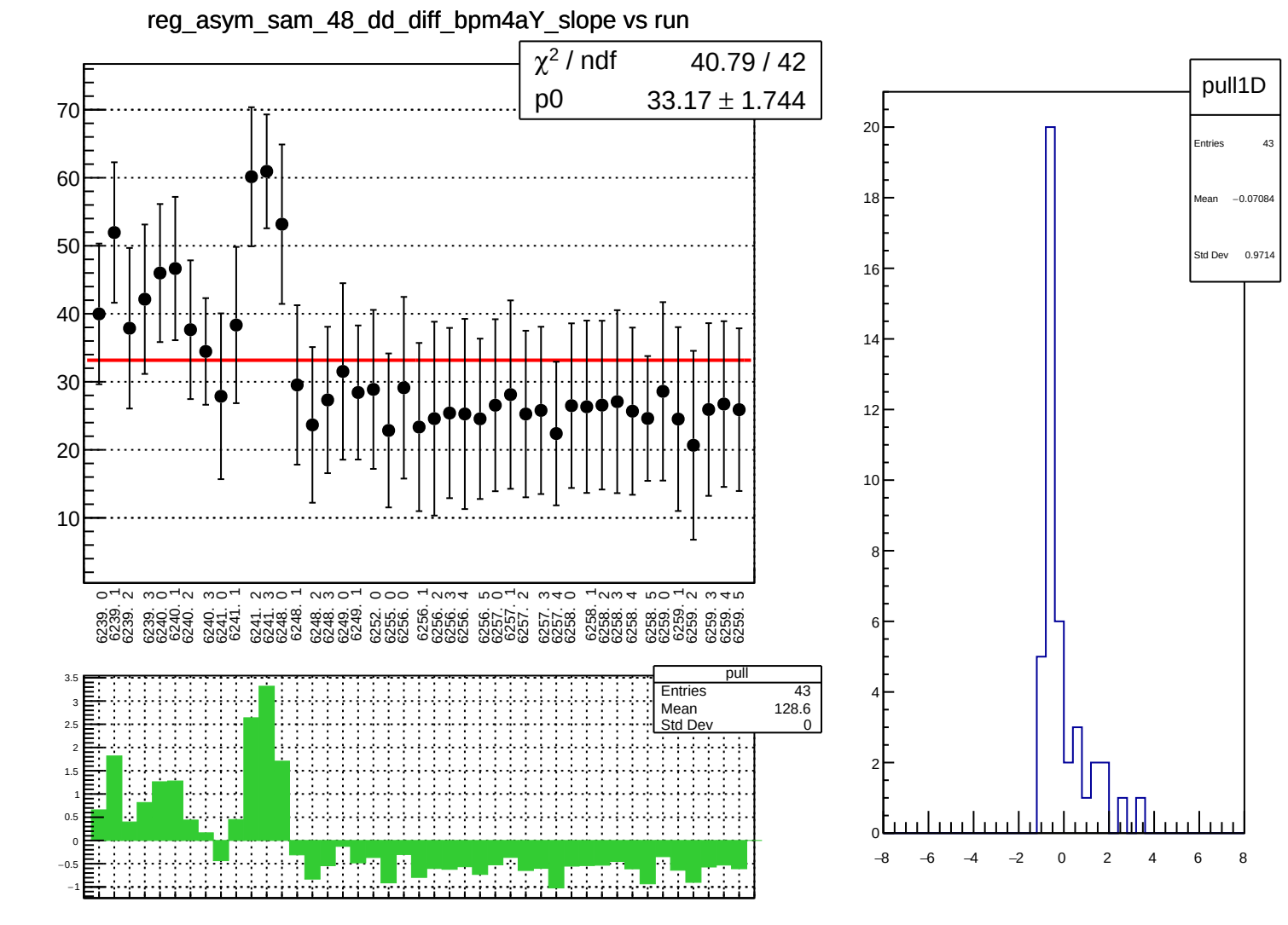

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 225 / 42
p0 −96.51 ± 2.111
−20
−40
−60
−80
−100
−120
−140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 252.2
Std Dev 0
6
4
2
0
−2
pull1D
Entries 43
Mean −0.08943
Std Dev 2.286
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

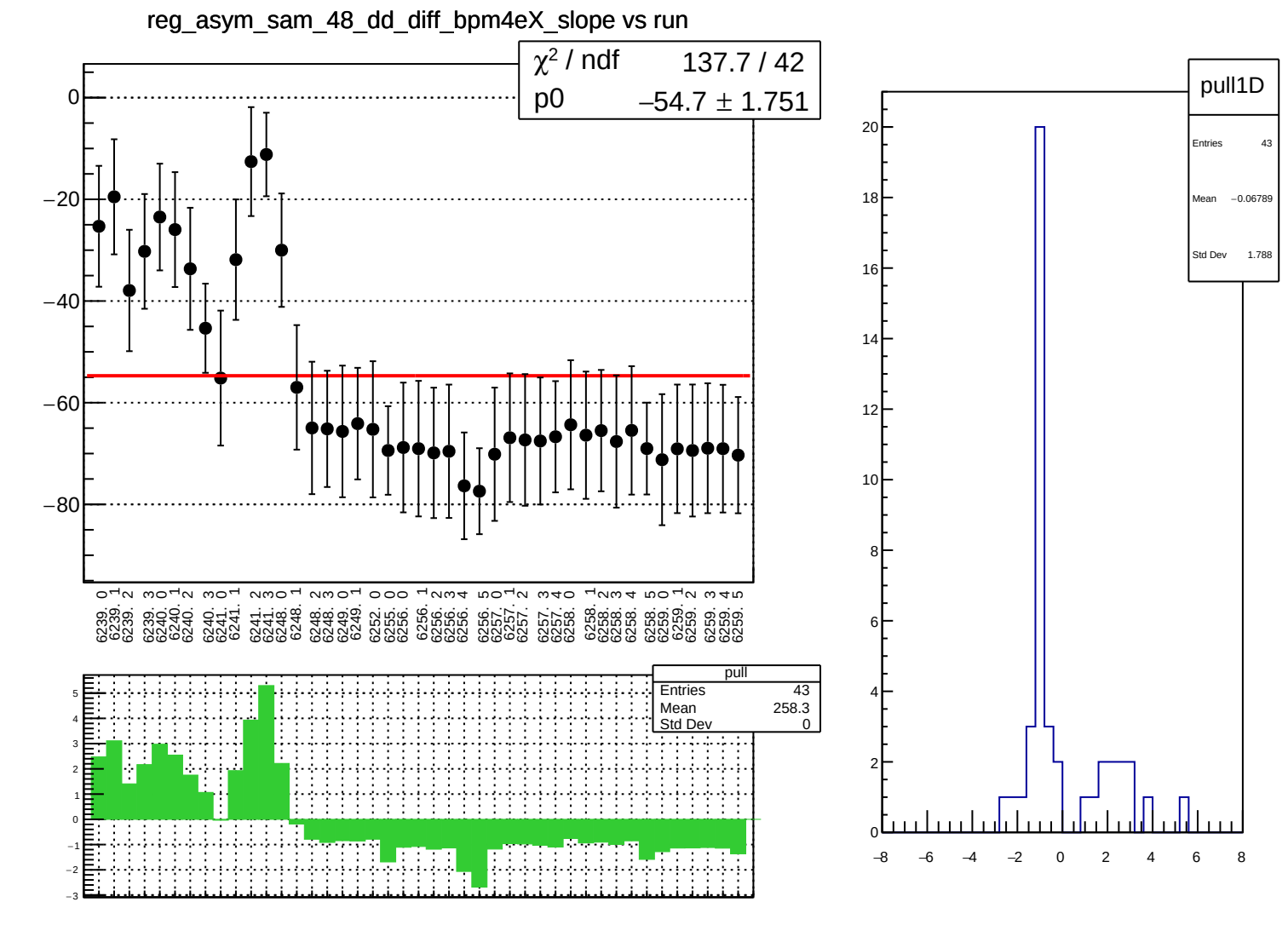

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.25 / 42
p0 141.5 ± 2.296
pull
Entries 43
Mean 134.7
Std Dev 0
pull1D
Entries 43
Mean 0.09866
Std Dev 1.31

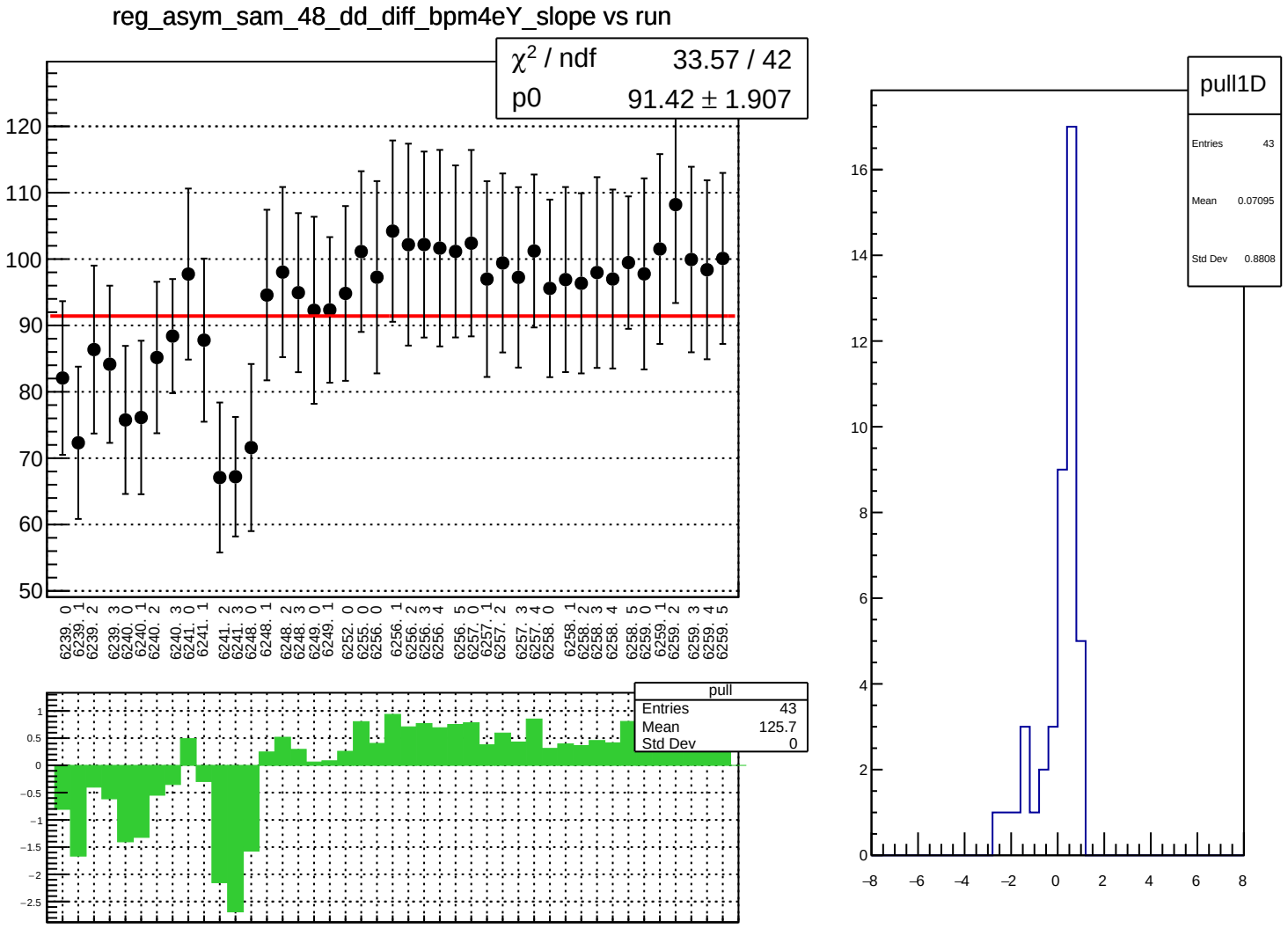

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 91.41 / 42
p0 −1.666 ± 0.1763
pull
Entries 43
Mean −1478
Std Dev 0
pull1D
Entries 43
Mean −0.008683
Std Dev 1.458

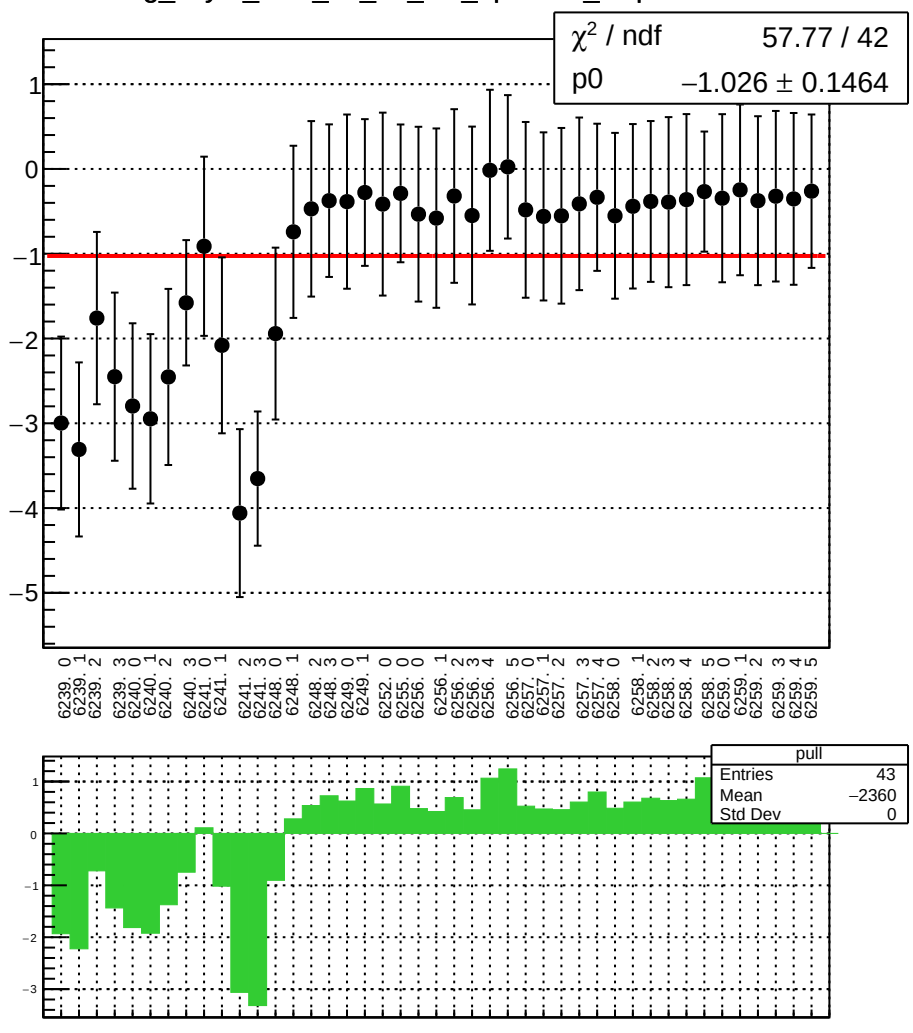

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 152.9 / 42
p0 −27.48 ± 1.455
pull
Entries 43
Mean 329.6
Std Dev 0

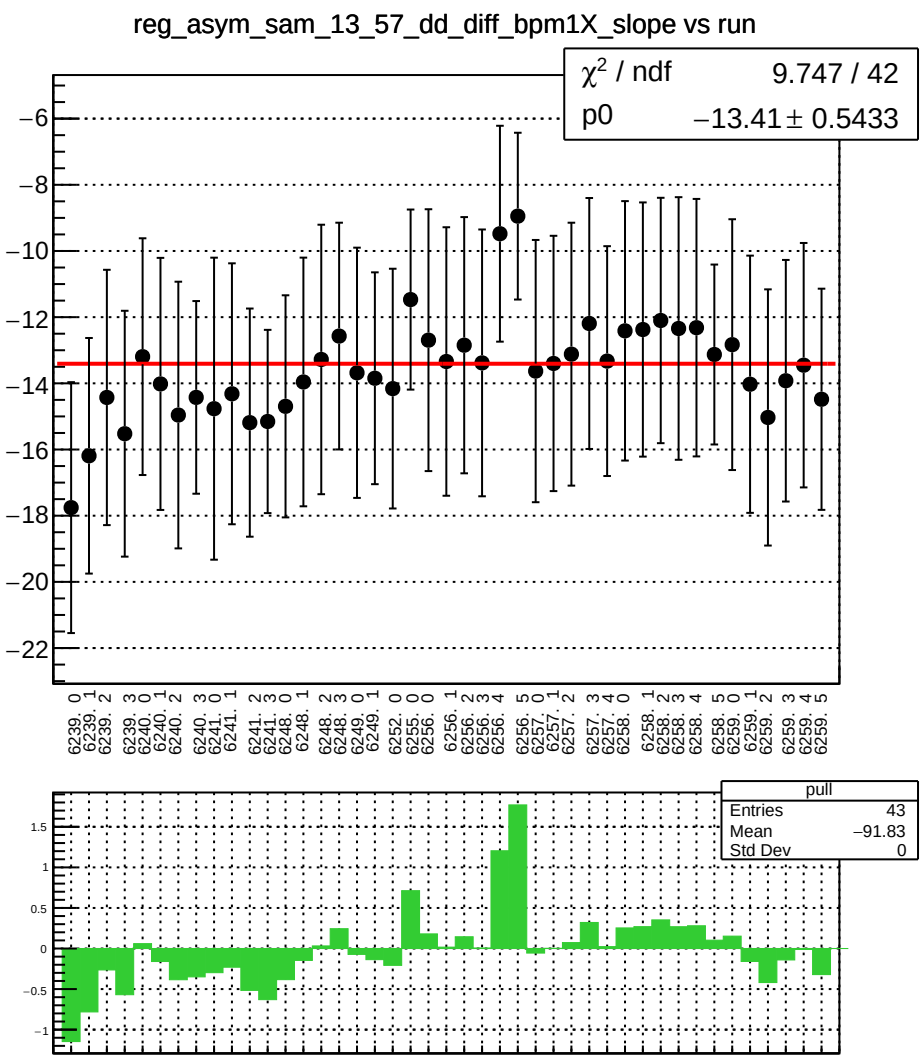

pull1D
Entries 43
Mean 0.05387
Std Dev 1.885

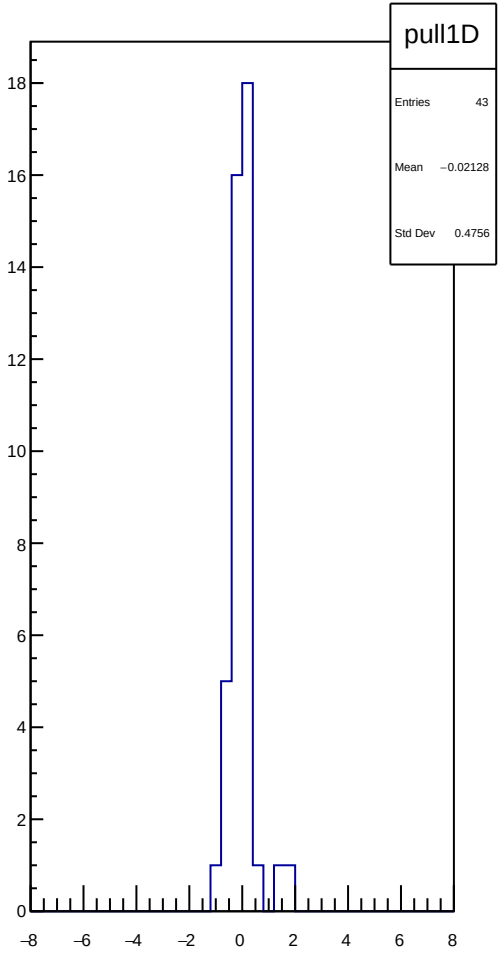

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.79 / 42
p0 33.17 ± 1.744
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 128.6
Std Dev 0
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.07084
Std Dev 0.9714
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

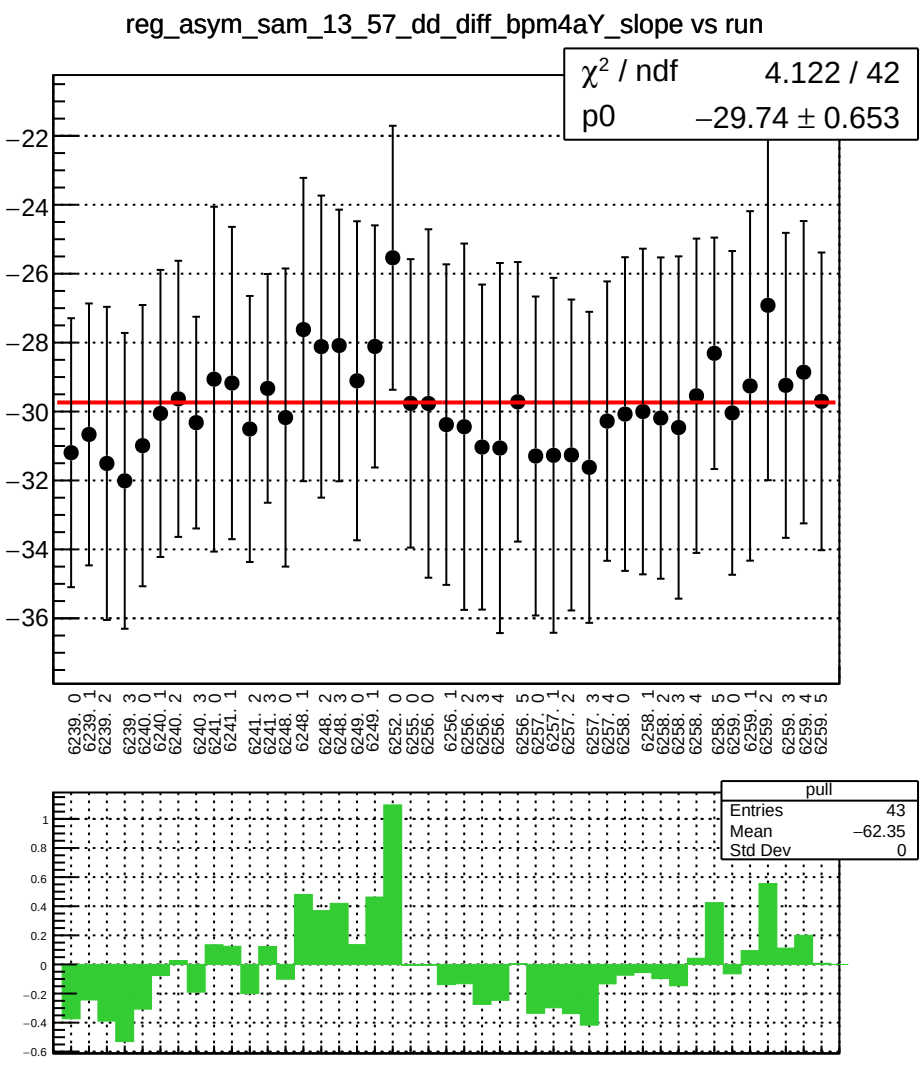

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 137.7 / 42
p0 −54.7 ± 1.751
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 258.3
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.06789
Std Dev 1.788
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

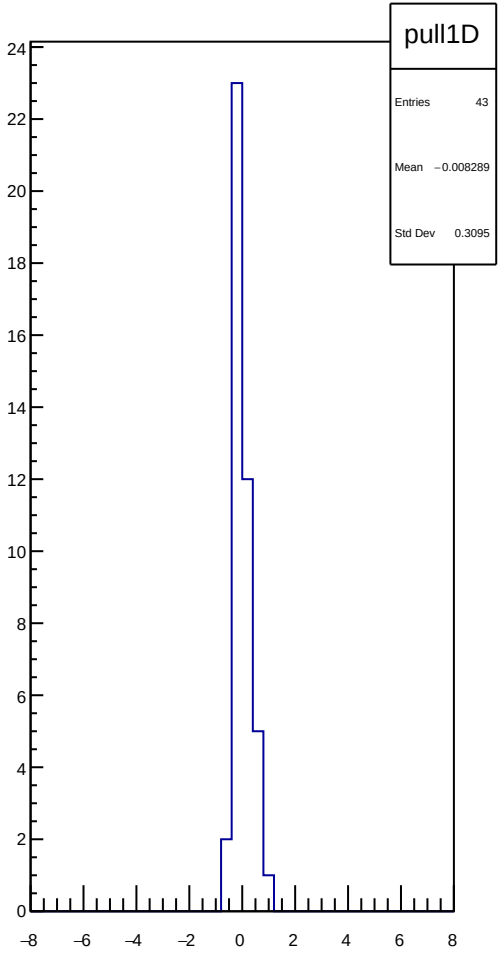

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.57 / 42
p0 91.42 ± 1.907
120
110
100
90
80
70
60
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 125.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.07095
Std Dev 0.8808
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

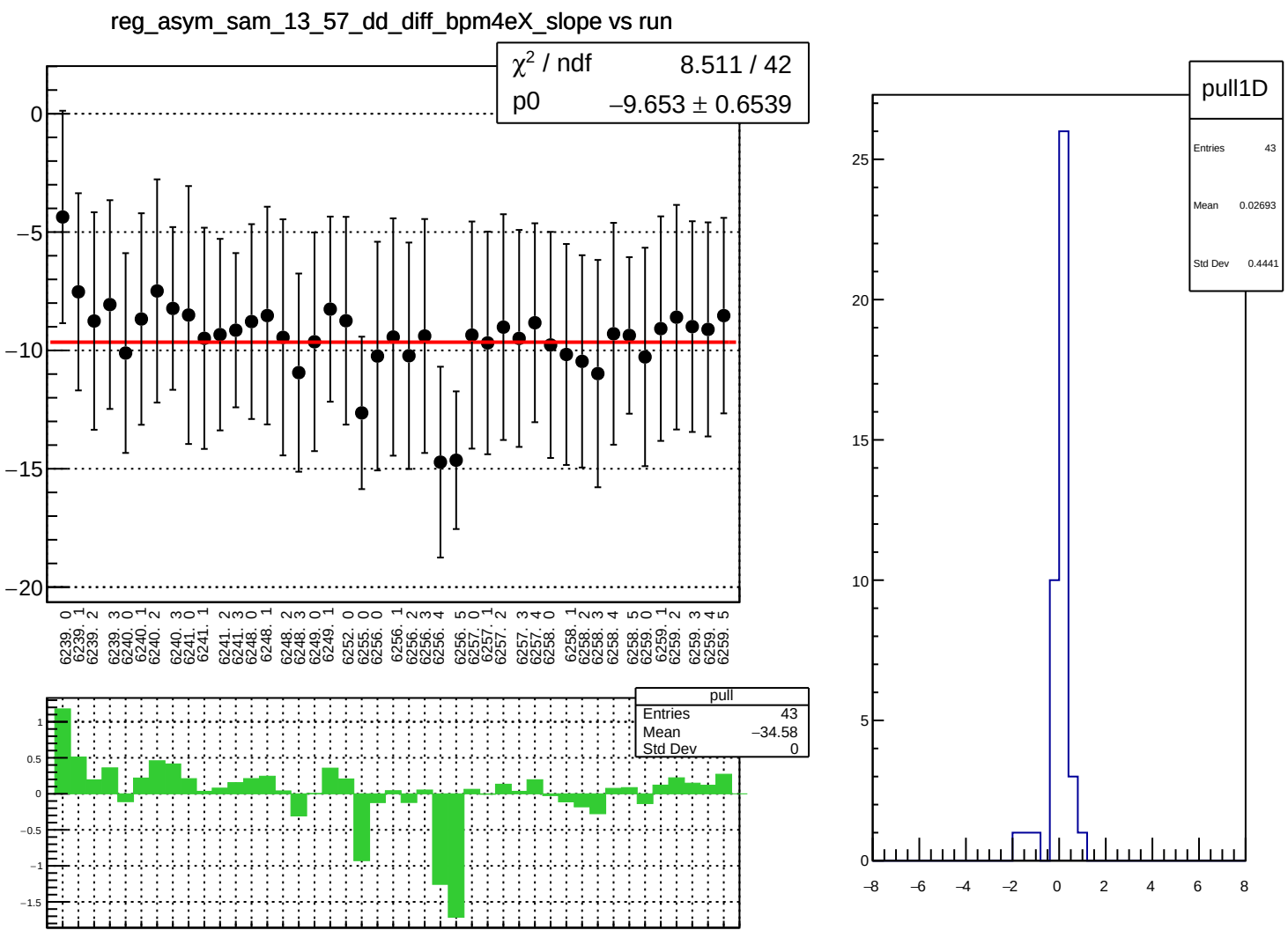

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 57.77 / 42
p0 −1.026 ± 0.1464
pull
Entries 43
Mean −2360
Std Dev 0
pull1D
Entries 43
Mean −0.004354
Std Dev 1.159

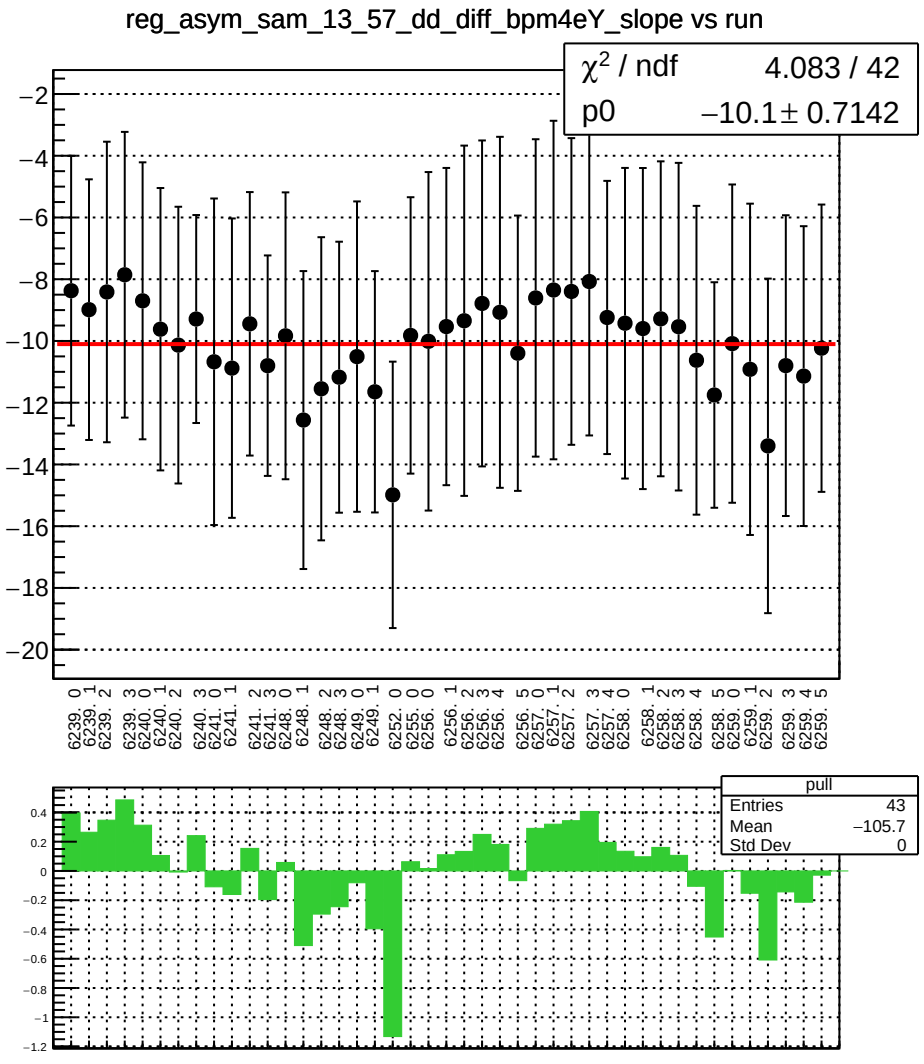

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.747 / 42
p0 −13.41 ± 0.5433
pull
Entries 43
Mean −91.83
Std Dev 0

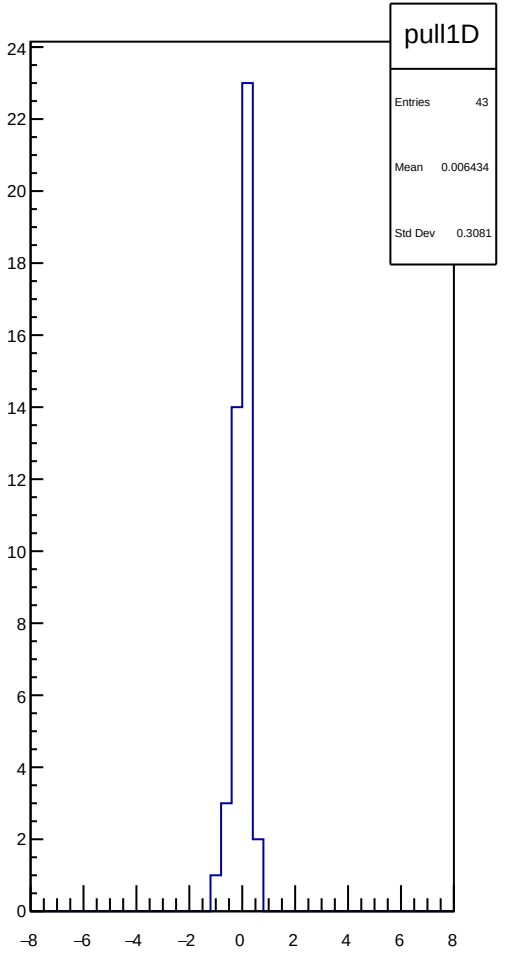

pull1D
Entries 43
Mean −0.02128
Std Dev 0.4756

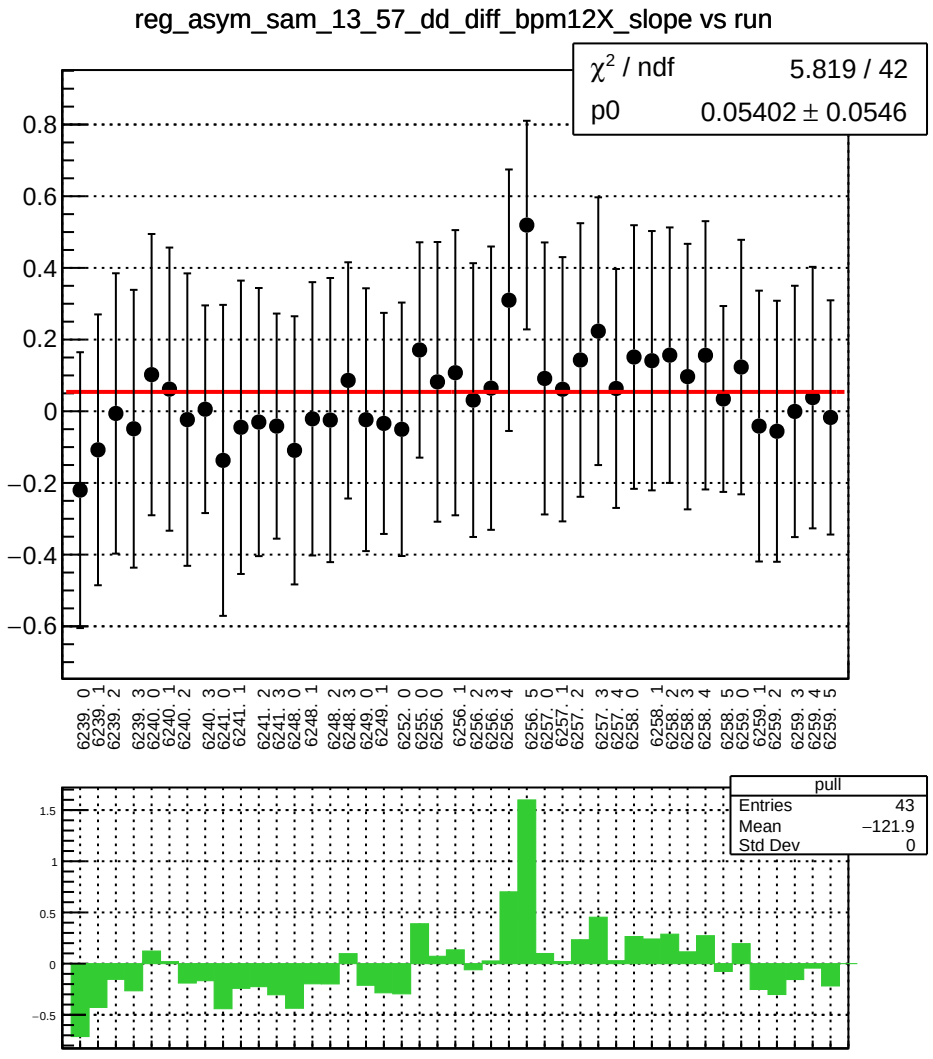

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.122 / 42
p0 −29.74 ± 0.653
−22
−24
−26
−28
−30
−32
−34
−36
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −62.35
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

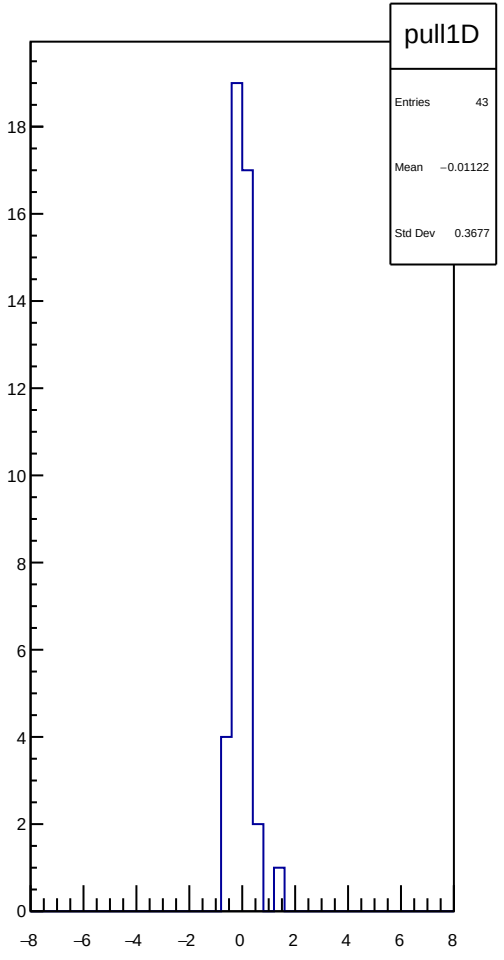

pull1D
Entries 43
Mean −0.008289
Std Dev 0.3095
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

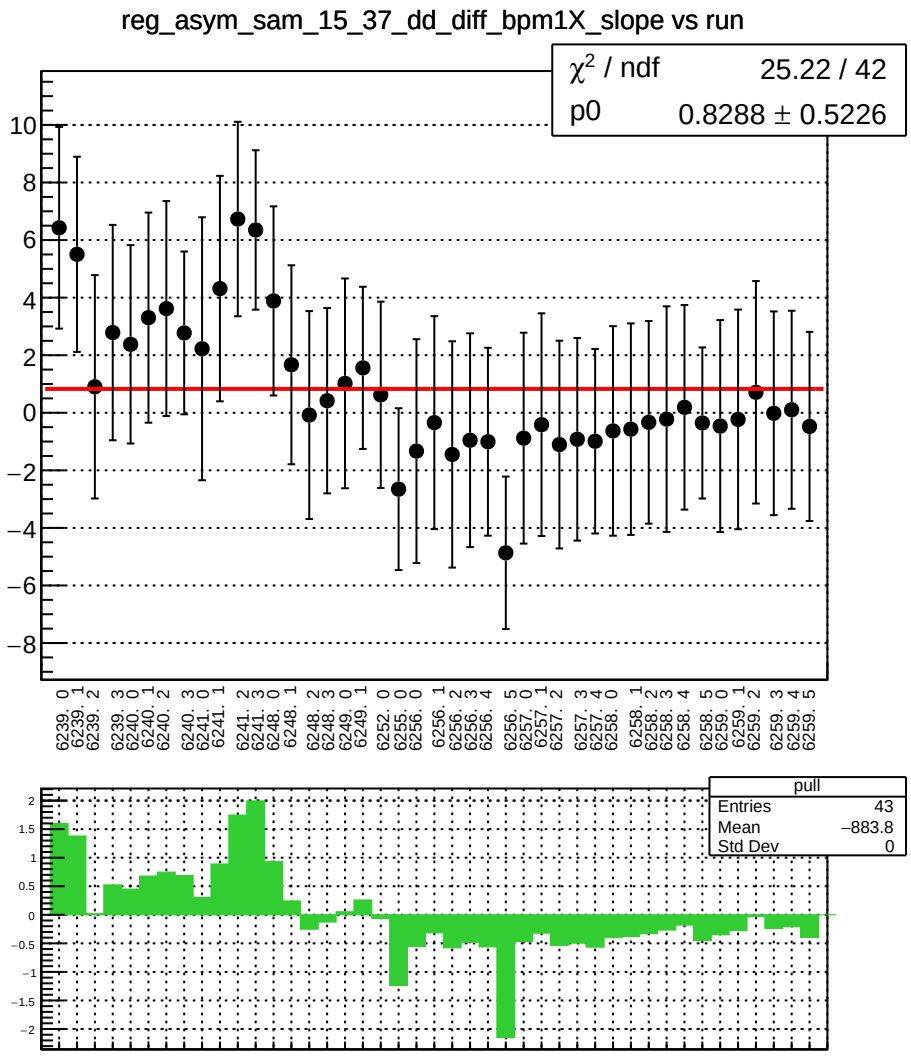

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.511 / 42
p0 −9.653 ± 0.6539
0
−5
−10
−15
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −34.58
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02693
Std Dev 0.4441
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

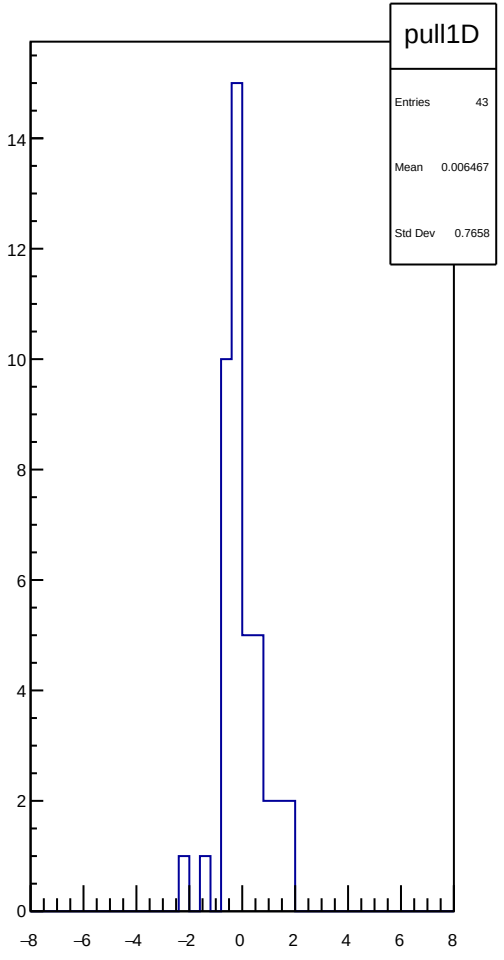

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.083 / 42
p0 −10.1 ± 0.7142
pull
Entries 43
Mean −105.7
Std Dev 0

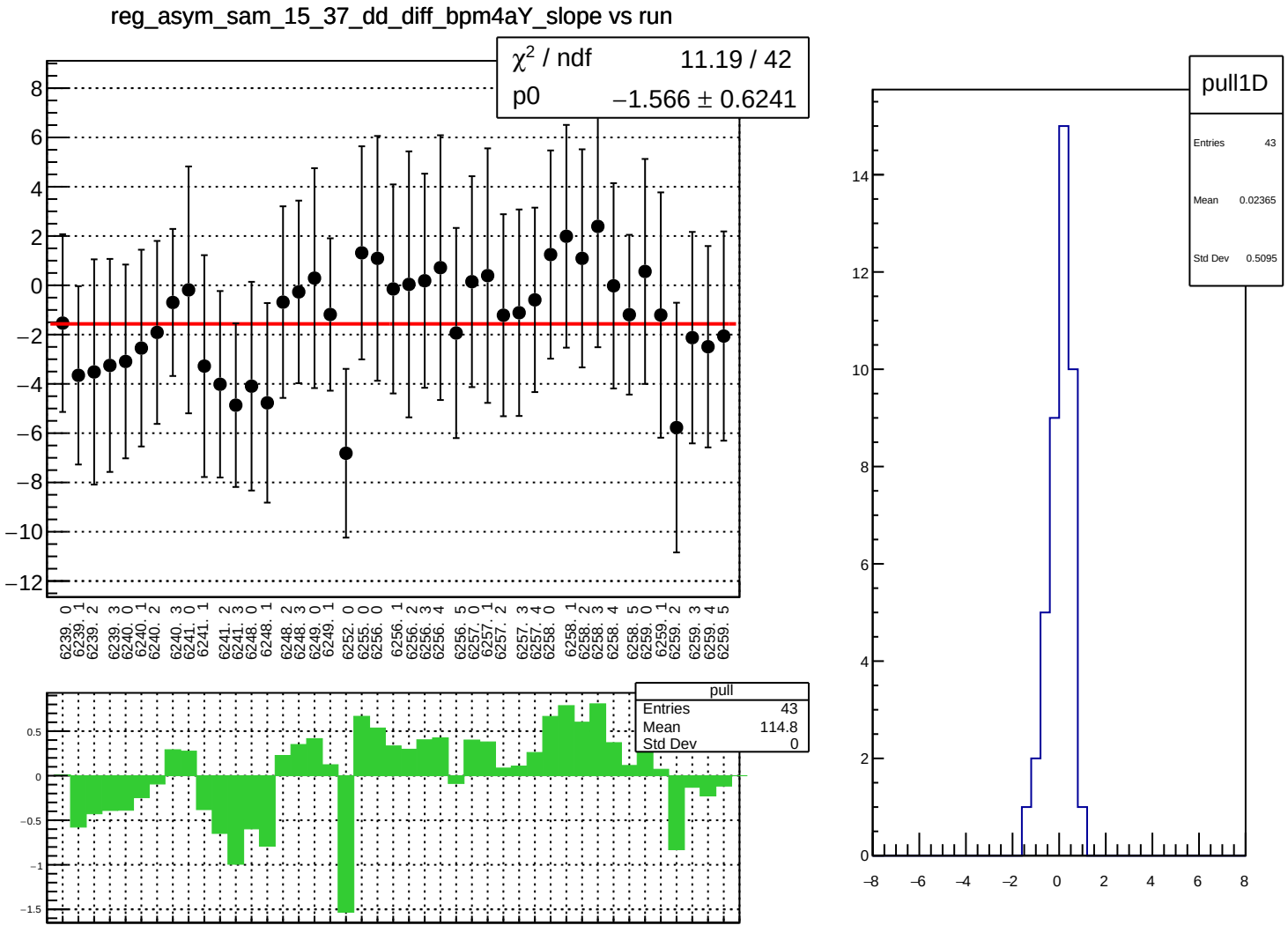

pull1D
Entries 43
Mean 0.006434
Std Dev 0.3081

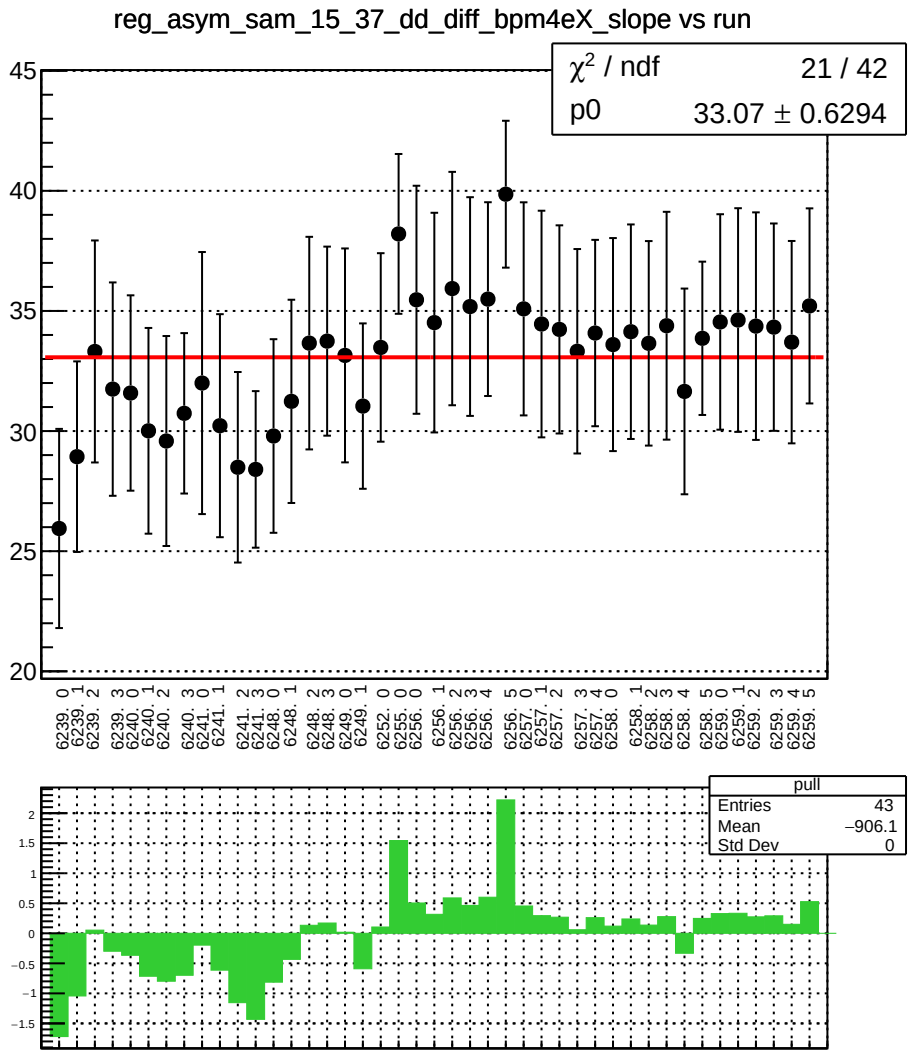

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 5.819 / 42
p0 0.05402 ± 0.0546
pull
Entries 43
Mean −121.9
Std Dev 0

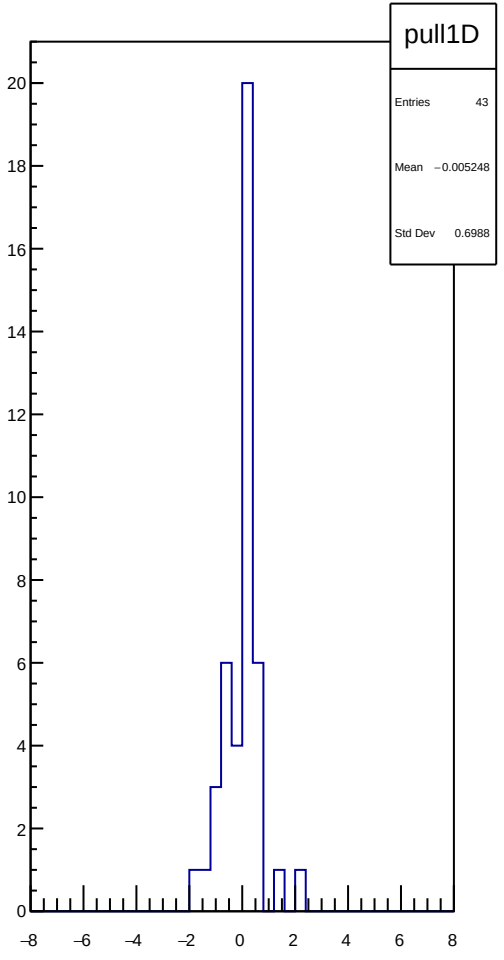

pull1D
Entries 43
Mean −0.01122
Std Dev 0.3677

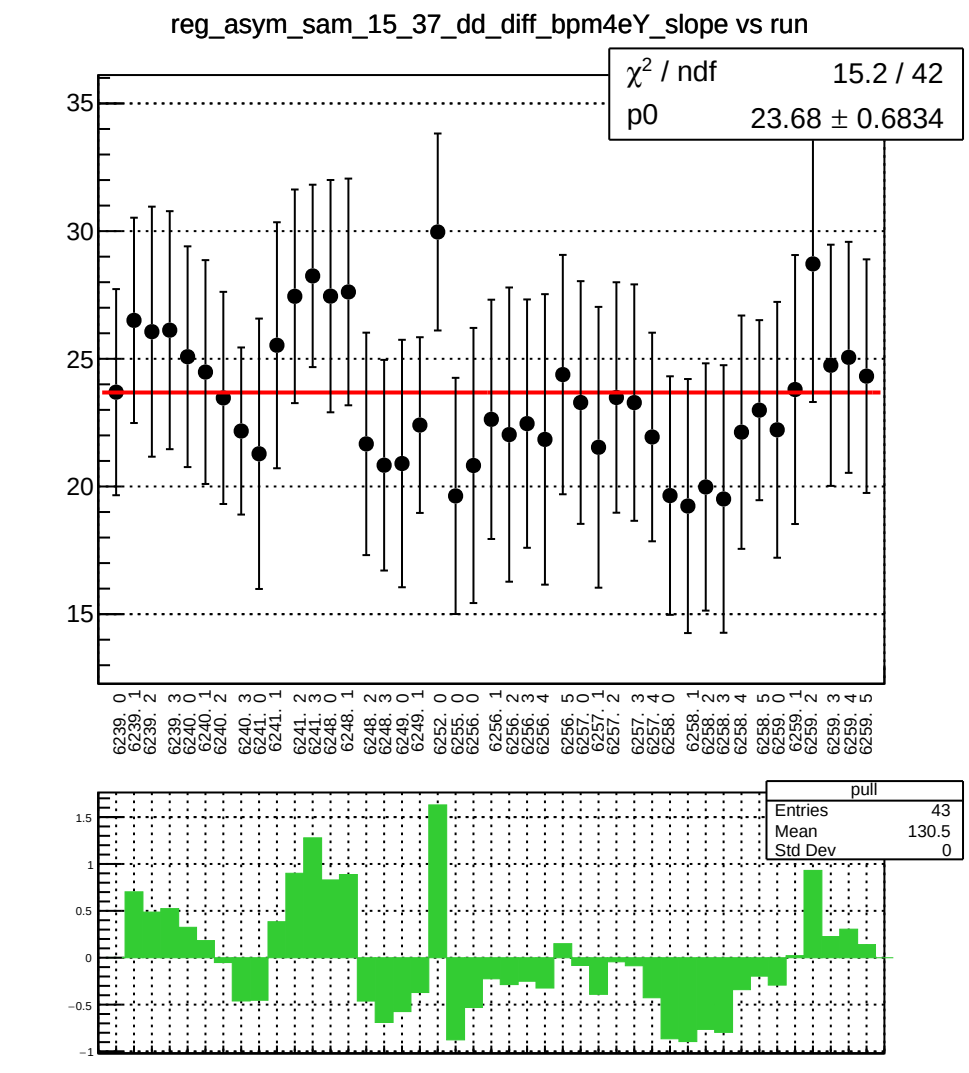

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 25.22 / 42
p0 0.8288 ± 0.5226
pull
Entries 43
Mean −883.8
Std Dev 0

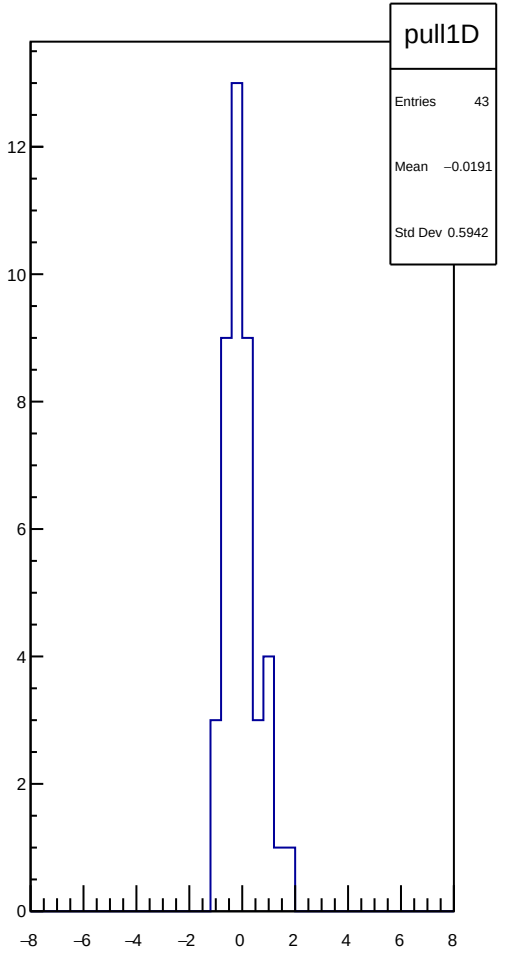

pull1D
Entries 43
Mean 0.006467
Std Dev 0.7658

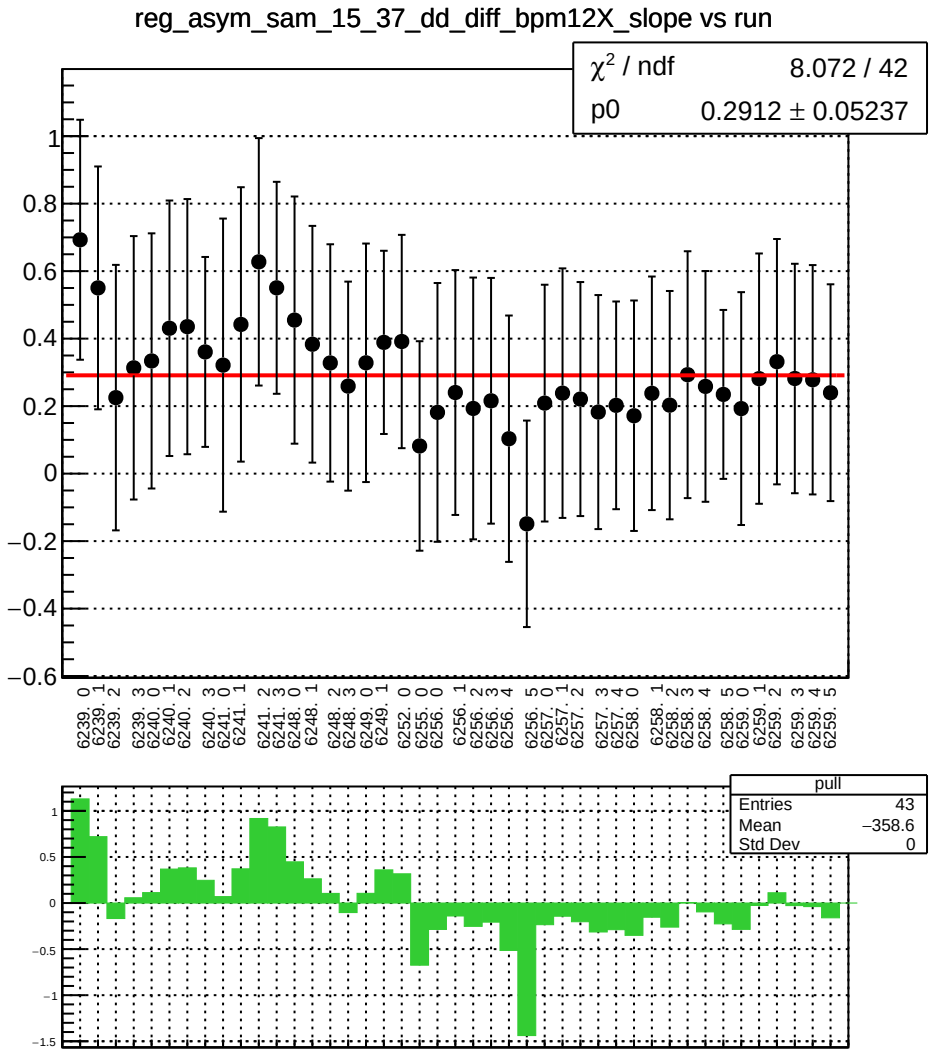

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.19 / 42
p0 −1.566 ± 0.6241
pull
Entries 43
Mean 114.8
Std Dev 0
pull1D
Entries 43
Mean 0.02365
Std Dev 0.5095

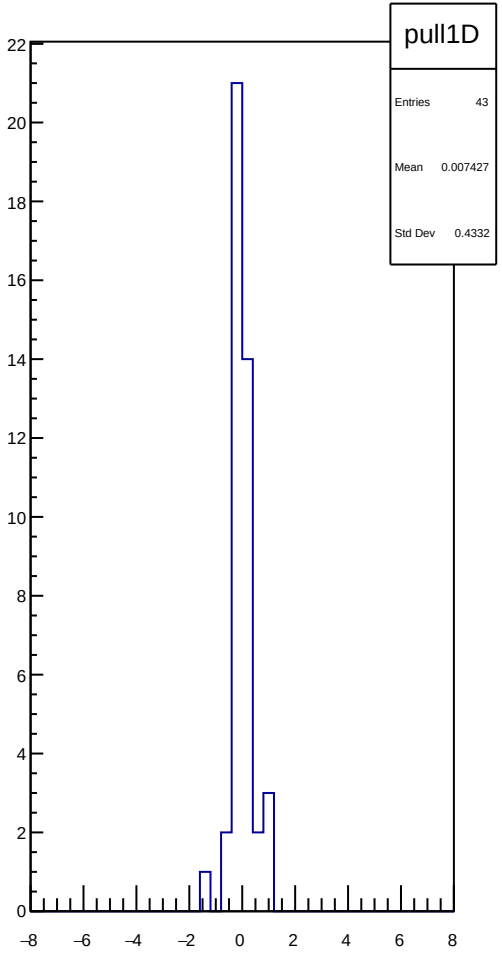

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 21 / 42
p0 33.07 ± 0.6294
pull
Entries 43
Mean −906.1
Std Dev 0

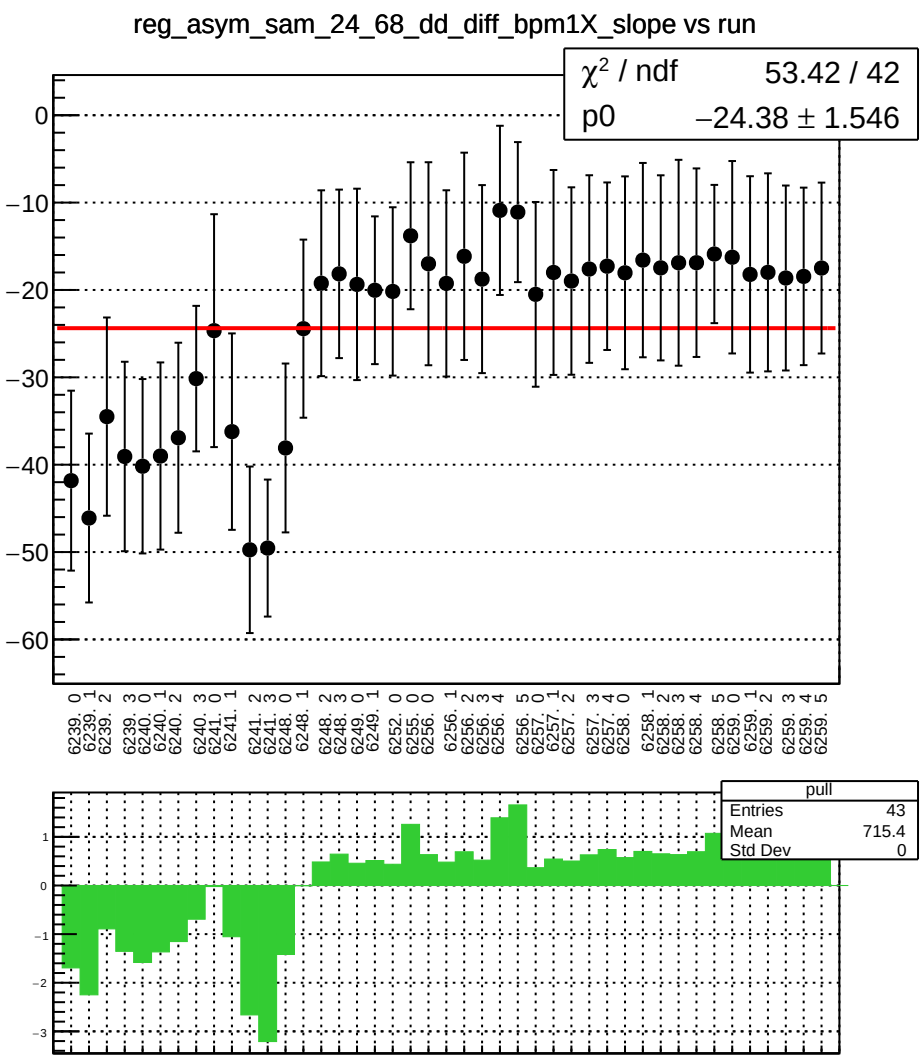

pull1D
Entries 43
Mean −0.005248
Std Dev 0.6988

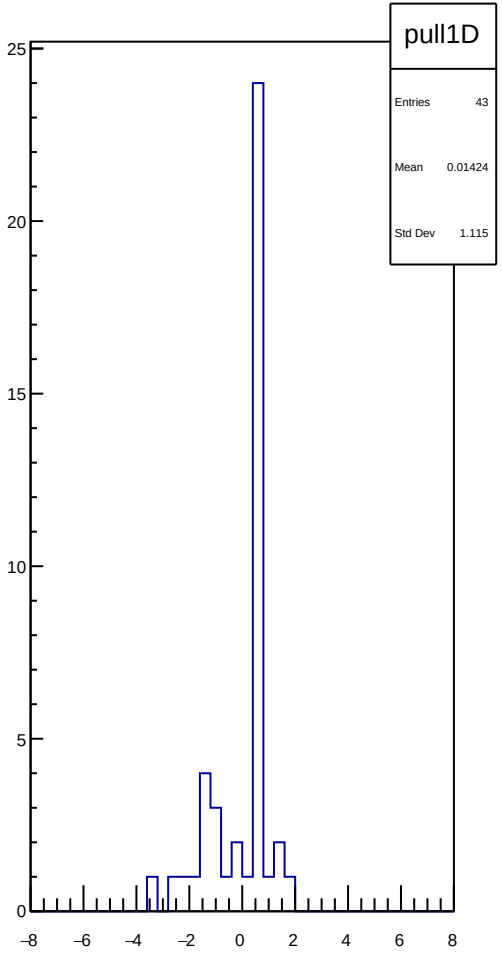

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.2 / 42
p0 23.68 ± 0.6834
35
30
25
20
15
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 130.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1

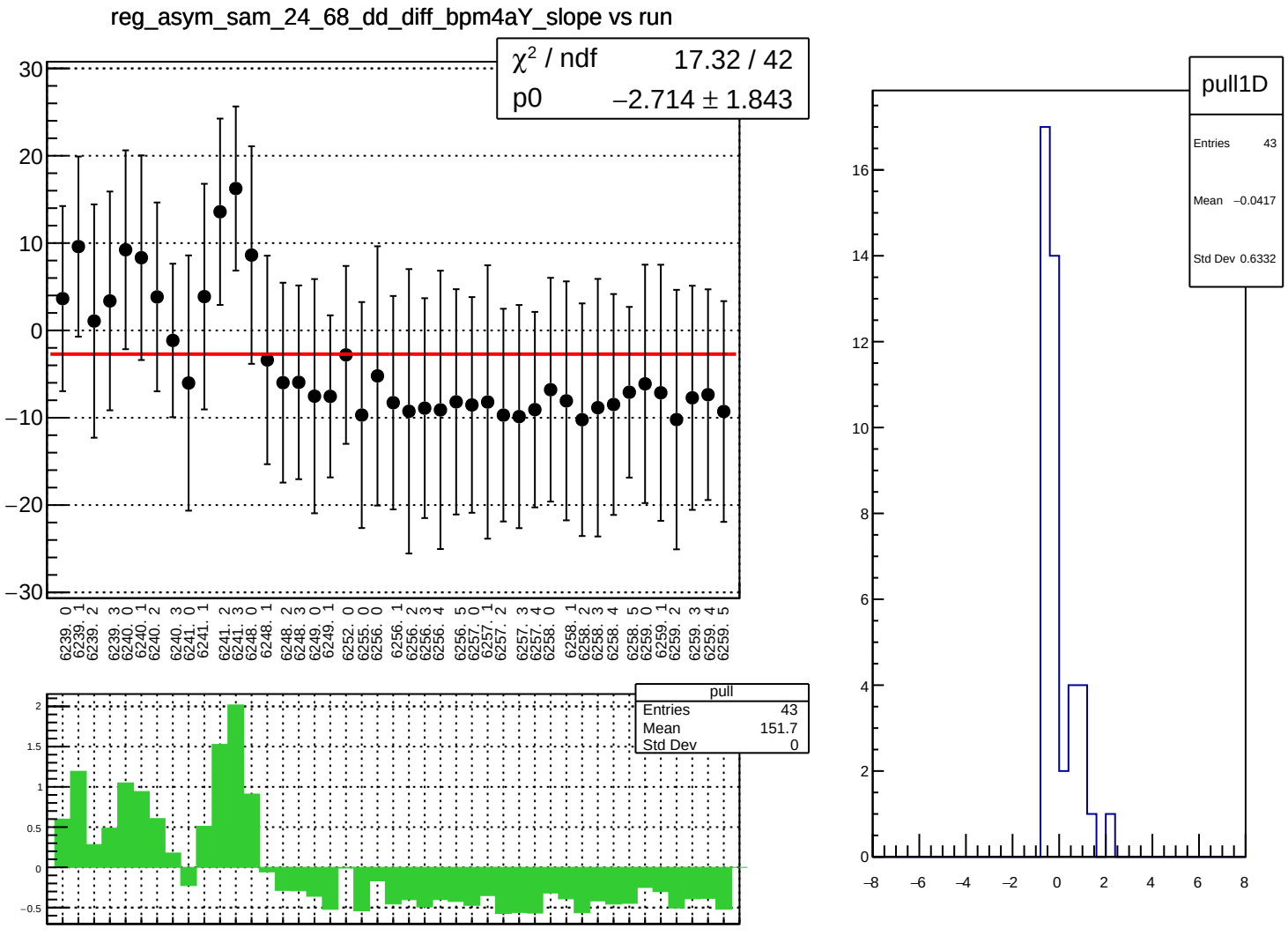

pull1D
Entries 43
Mean −0.0191
Std Dev 0.5942
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

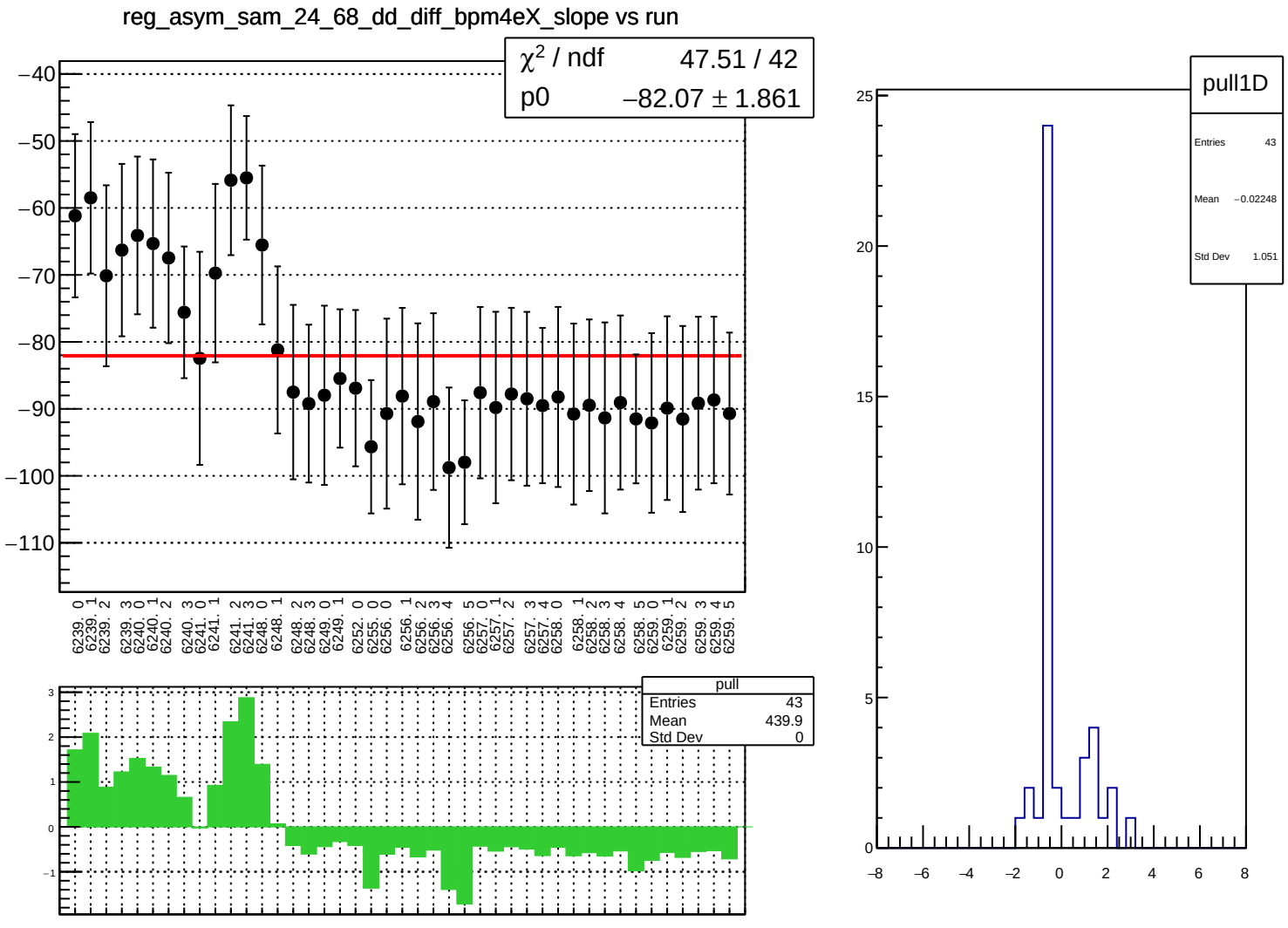

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 8.072 / 42
p0 0.2912 ± 0.05237
pull
Entries 43
Mean −358.6
Std Dev 0

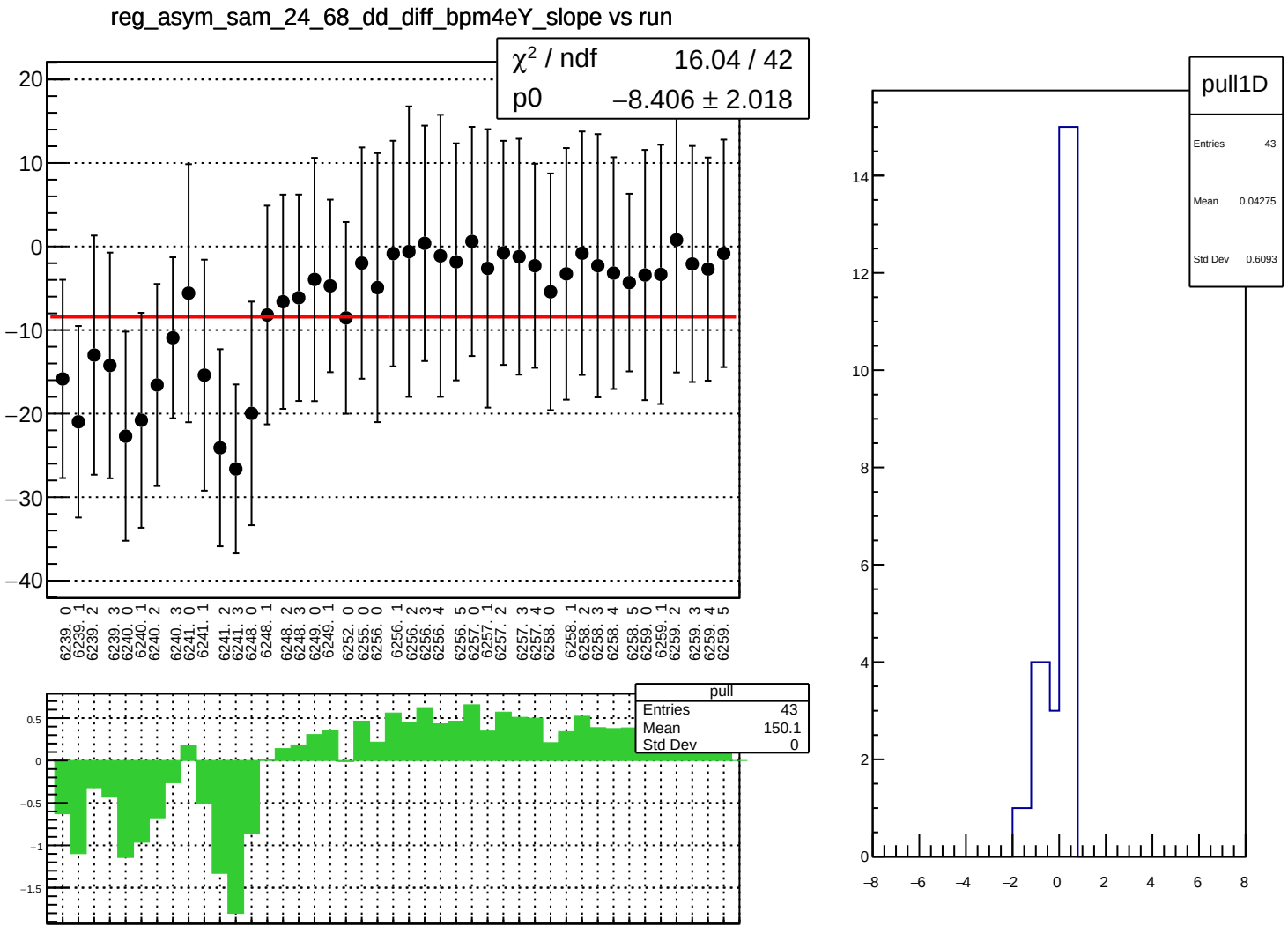

pull1D
Entries 43
Mean 0.007427
Std Dev 0.4332

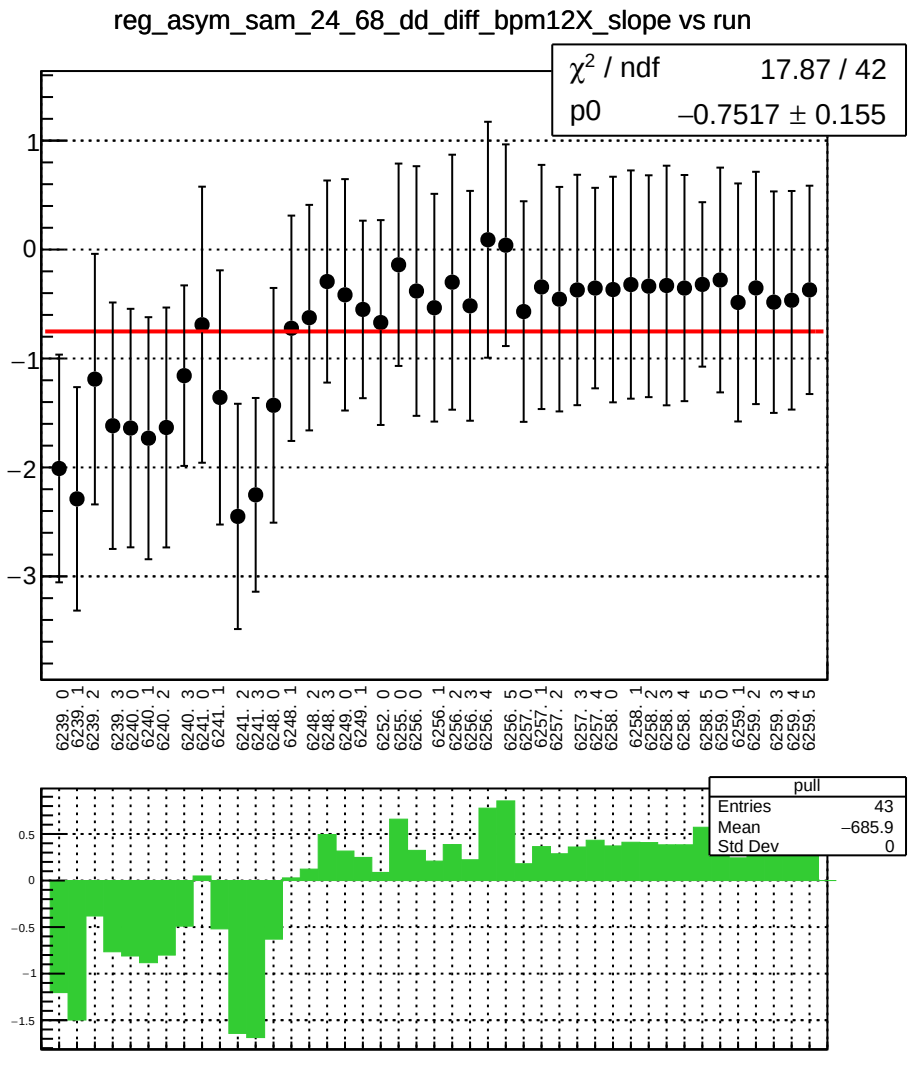

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 53.42 / 42
p0 −24.38 ± 1.546
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 715.4
Std Dev 0
1
0
−1
−2
−3

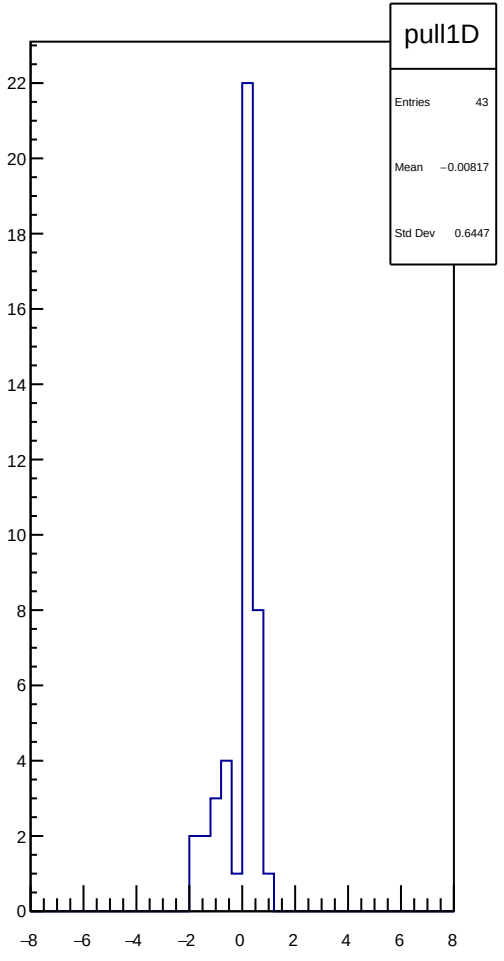

pull1D
Entries 43
Mean 0.01424
Std Dev 1.115
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

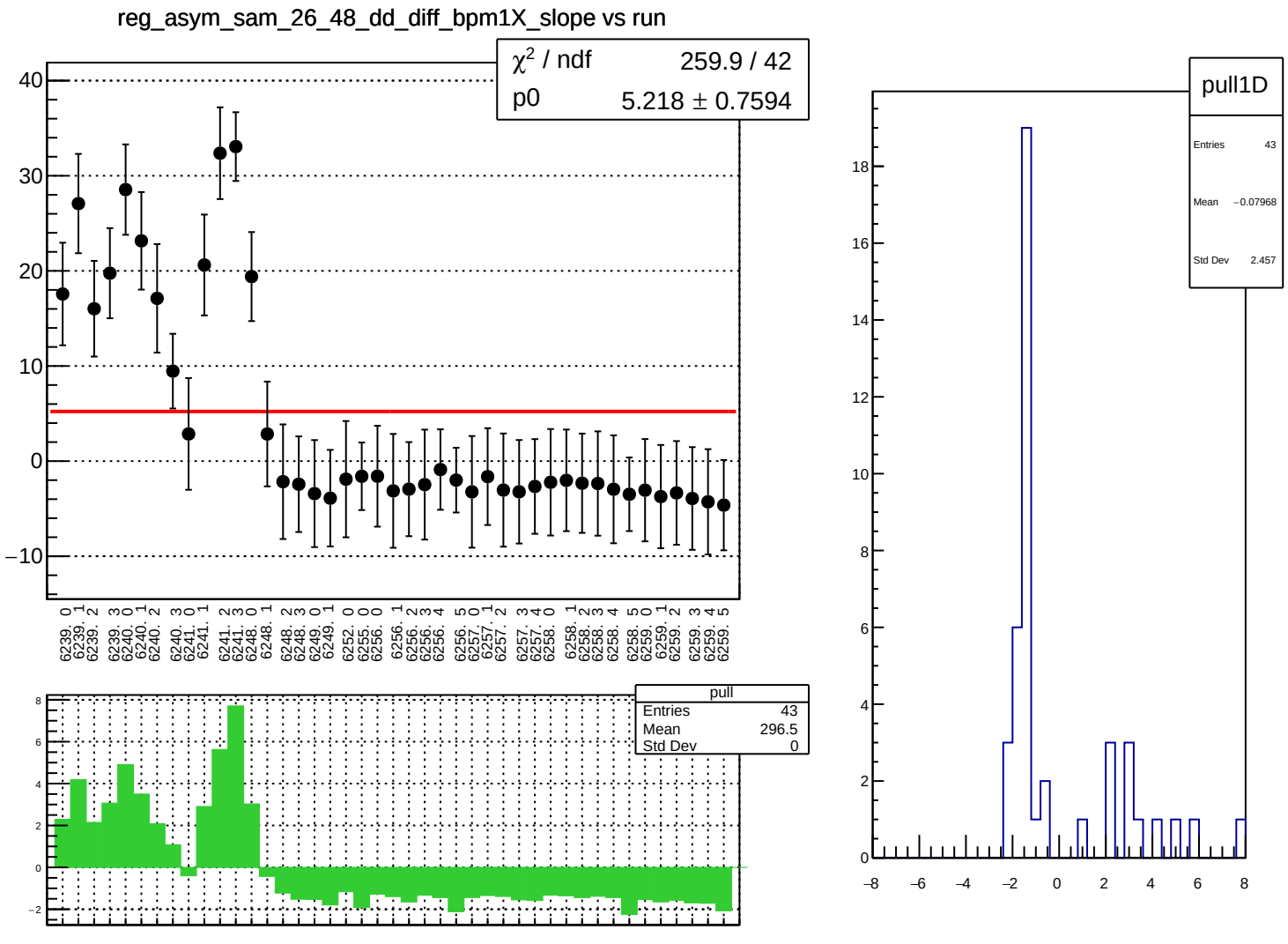

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.32 / 42
p0 −2.714 ± 1.843
pull
Entries 43
Mean 151.7
Std Dev 0
pull1D
Entries 43
Mean −0.0417
Std Dev 0.6332

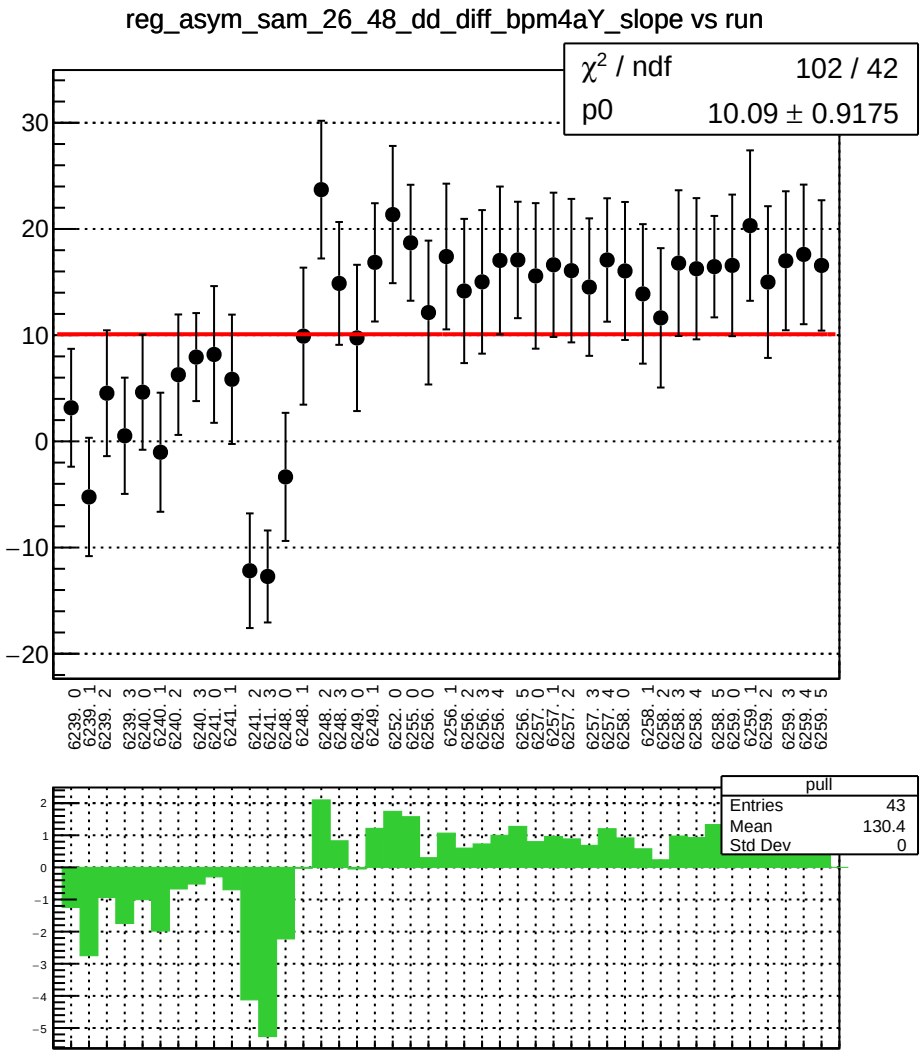

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.51 / 42
p0 −82.07 ± 1.861
−40
−50
−60
−70
−80
−90
−100
−110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 439.9
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean −0.02248
Std Dev 1.051
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

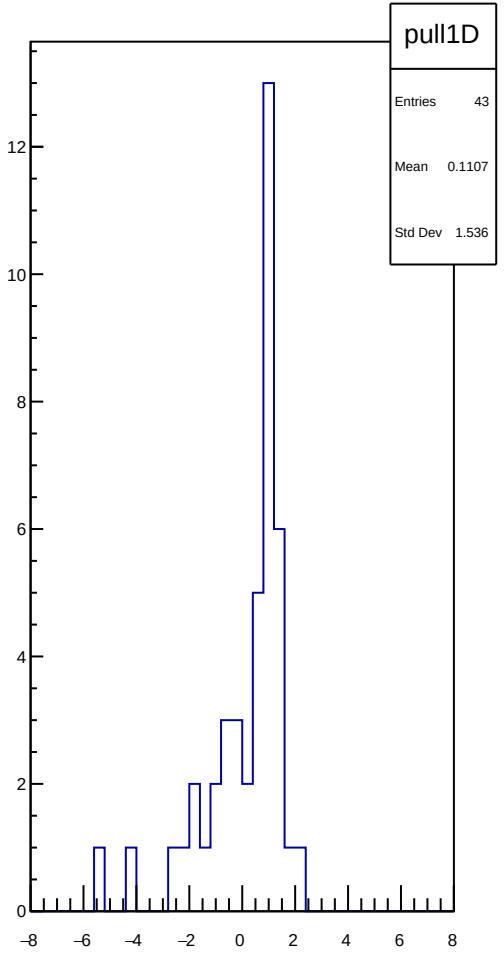

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 42
p0 −8.406 ± 2.018
20
10
0
−10
−20
−30
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 150.1
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.04275
Std Dev 0.6093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

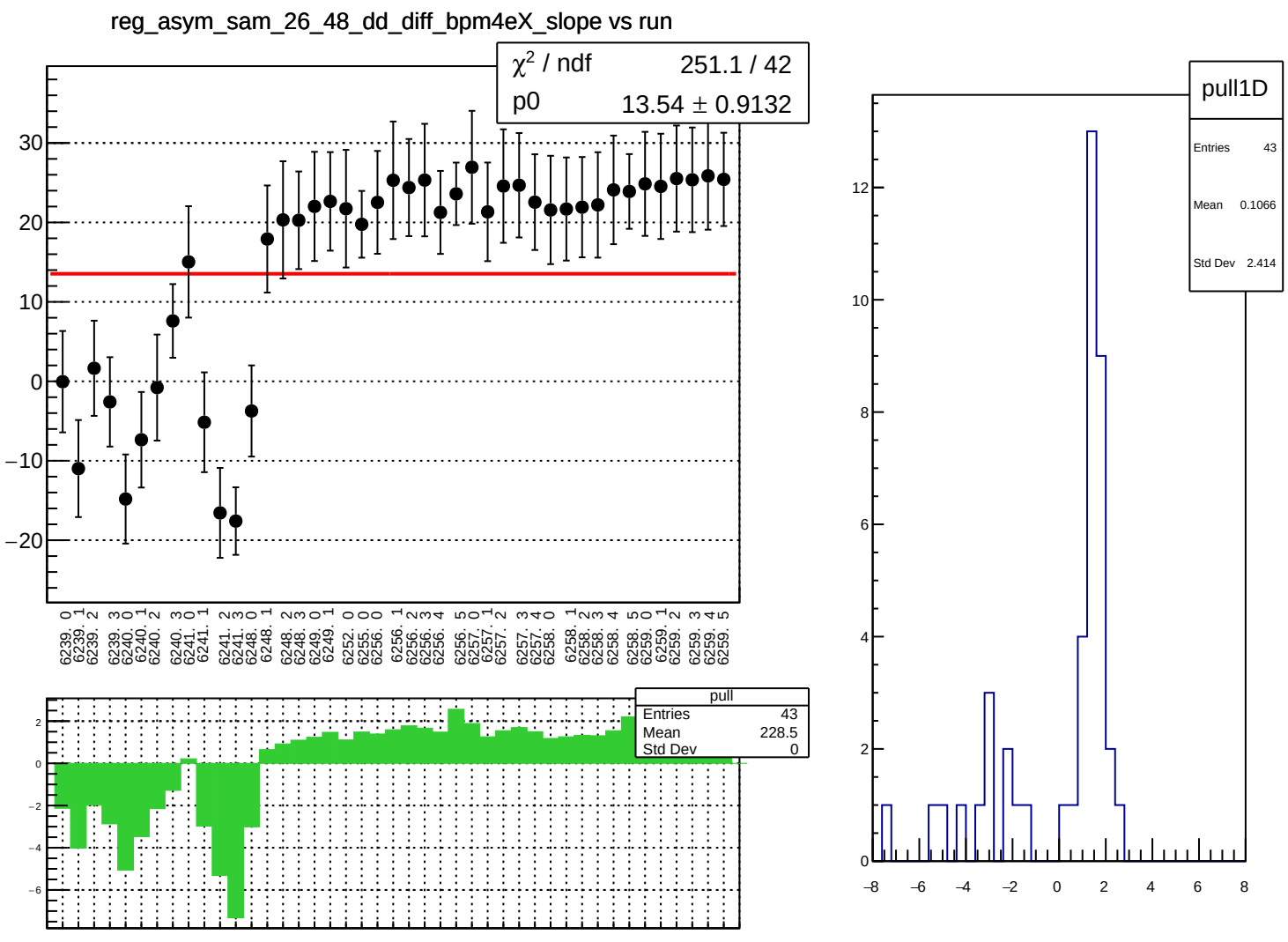

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 17.87 / 42
p0 −0.7517 ± 0.155
pull
Entries 43
Mean −685.9
Std Dev 0

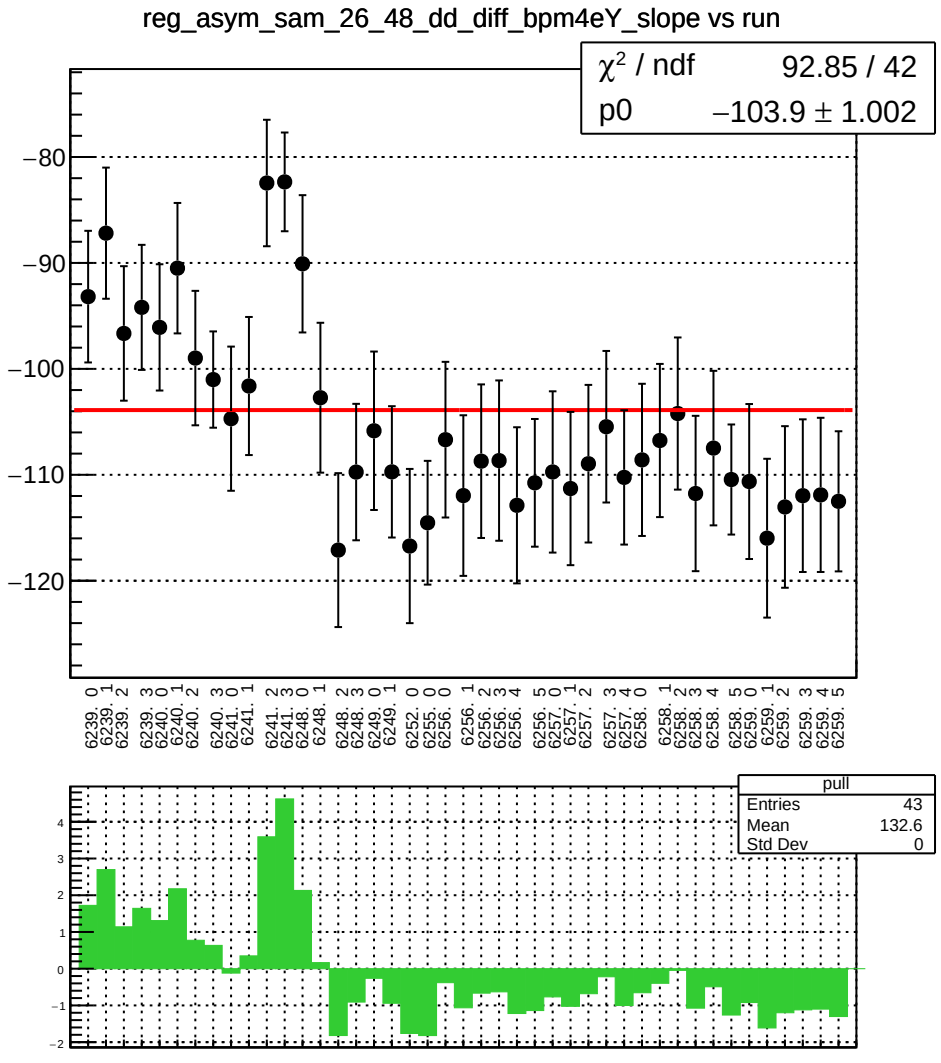

pull1D
Entries 43
Mean −0.00817
Std Dev 0.6447

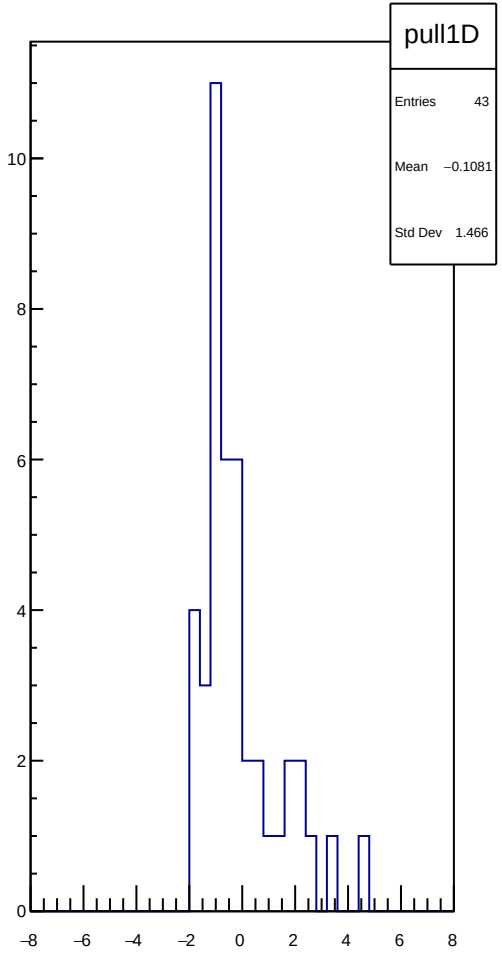

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 259.9 / 42
p0 5.218 ± 0.7594
pull
Entries 43
Mean 296.5
Std Dev 0
pull1D
Entries 43
Mean −0.07968
Std Dev 2.457

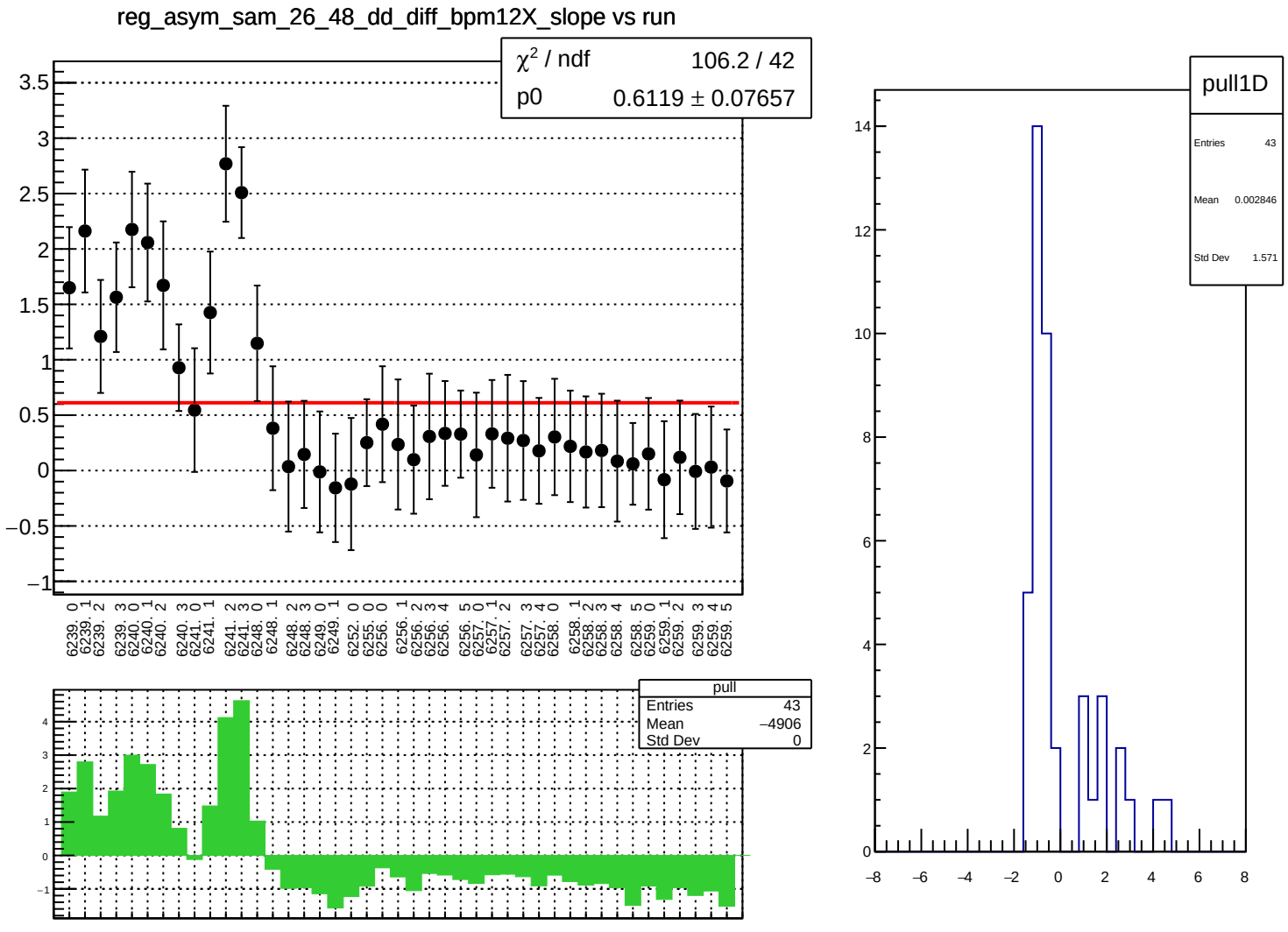

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 102 / 42
p0 10.09 ± 0.9175
pull
Entries 43
Mean 130.4
Std Dev 0

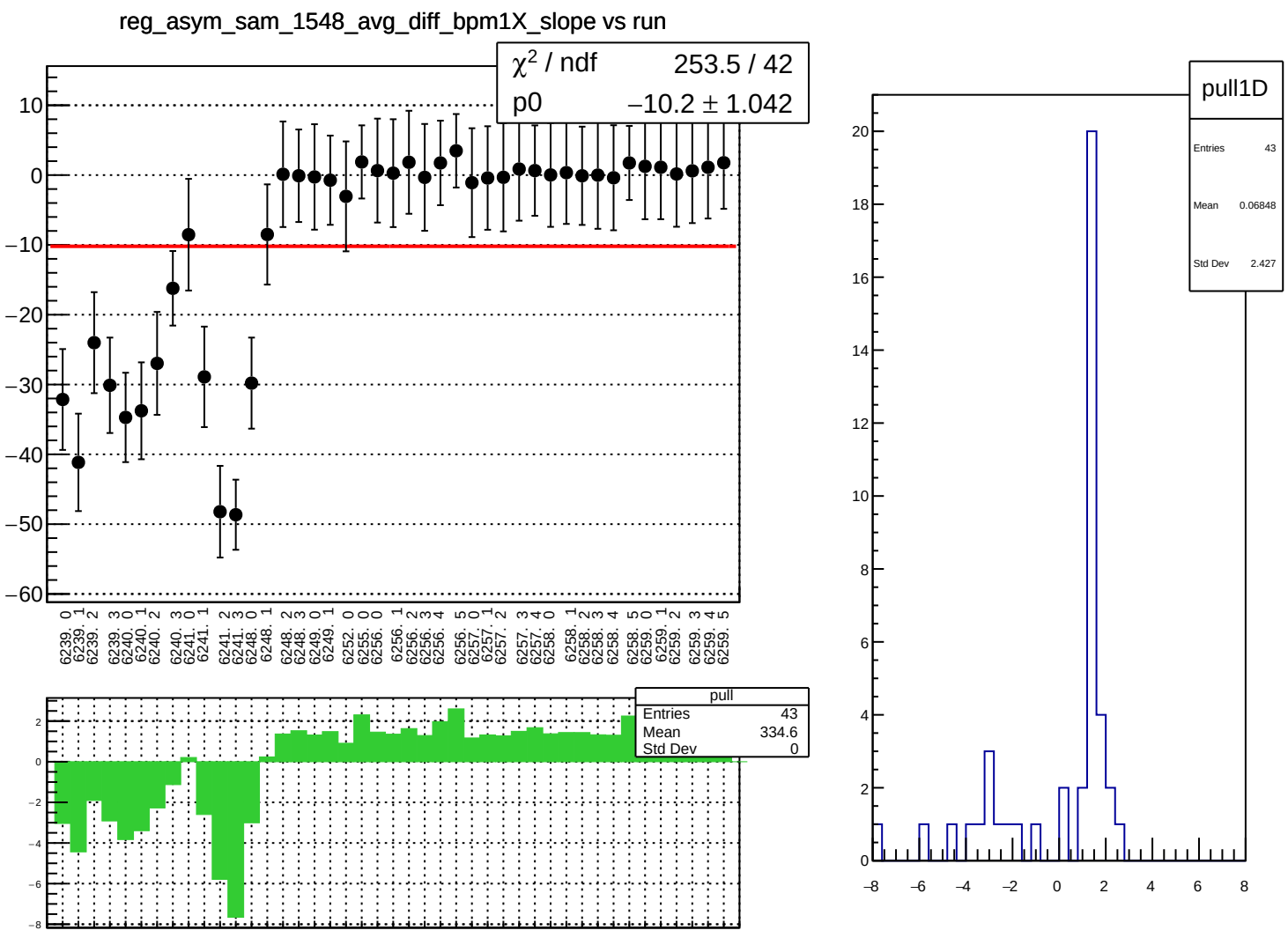

pull1D
Entries 43
Mean 0.1107
Std Dev 1.536

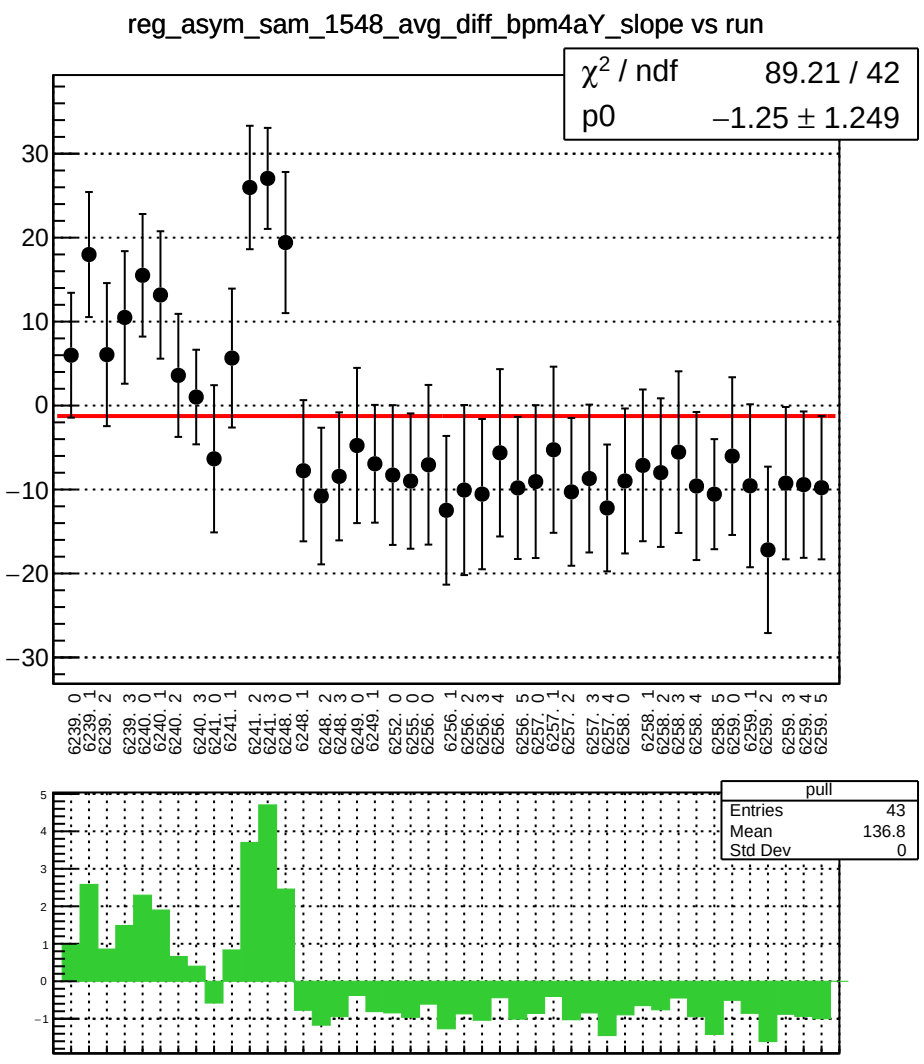

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 251.1 / 42
p0 13.54 ± 0.9132
30
20
10
0
−10
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 228.5
Std Dev 0
2
0
−2
−4
−6
pull1D
Entries 43
Mean 0.1066
Std Dev 2.414
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

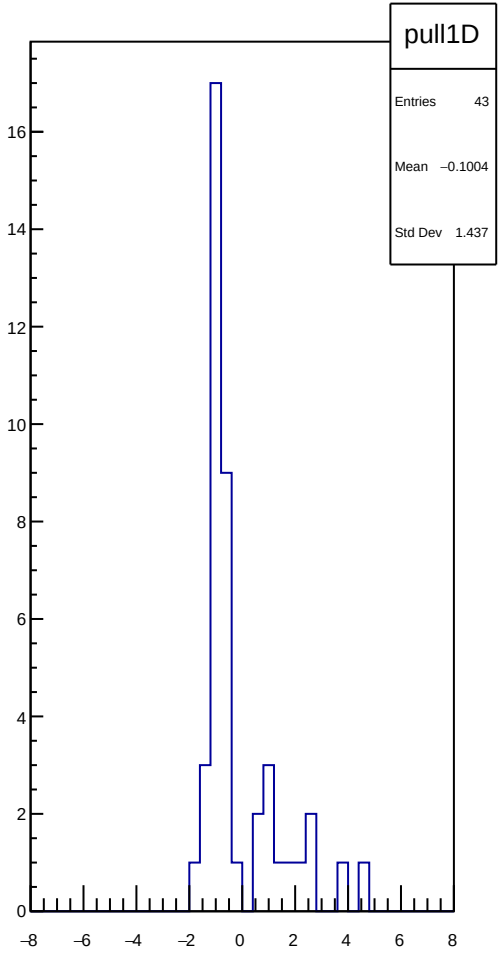

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.85 / 42
p0 −103.9 ± 1.002
−80
−90
−100
−110
−120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 132.6
Std Dev 0
4
3
2
1
0
−1
−2

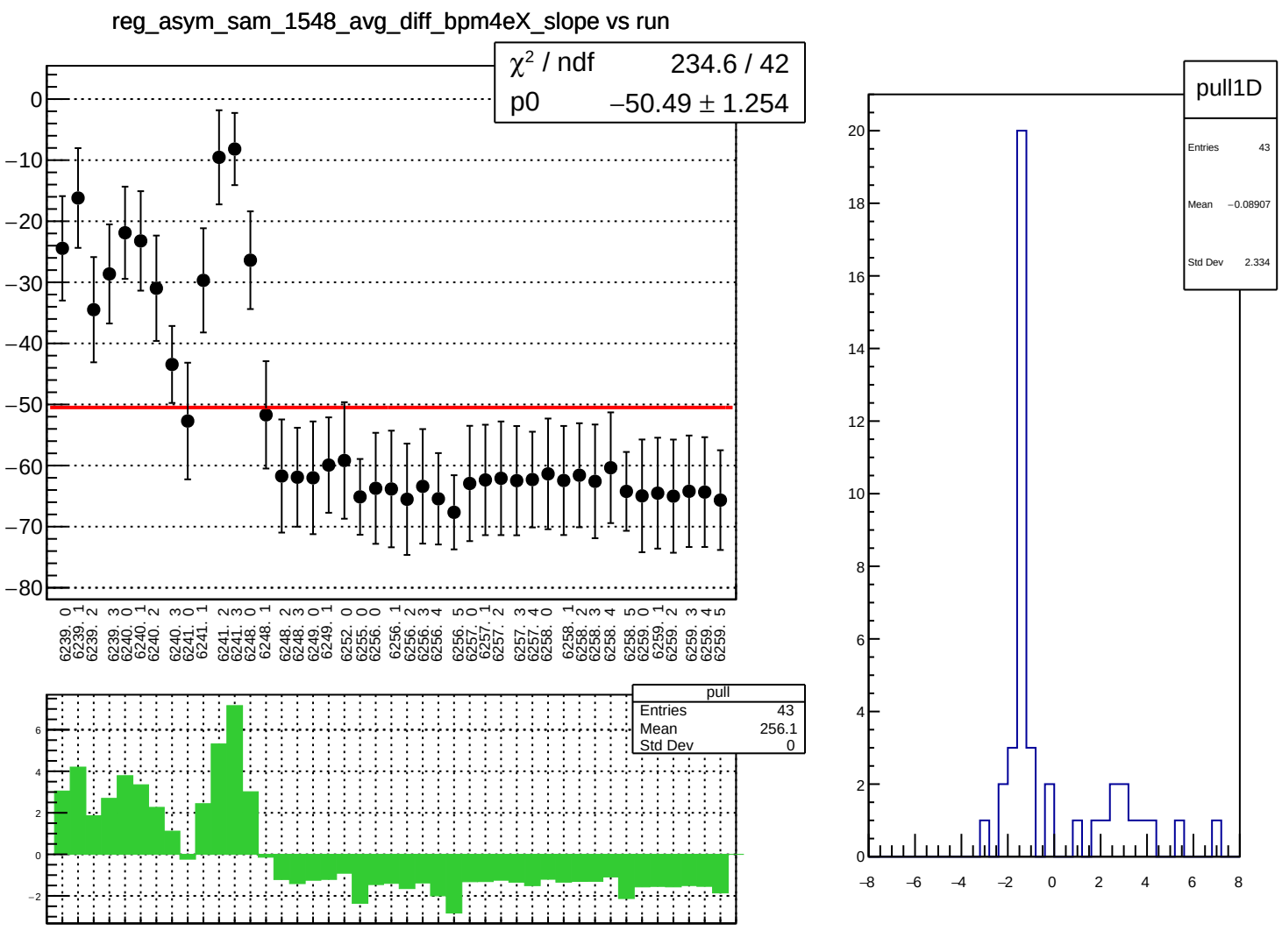

pull1D
Entries 43
Mean −0.1081
Std Dev 1.466
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

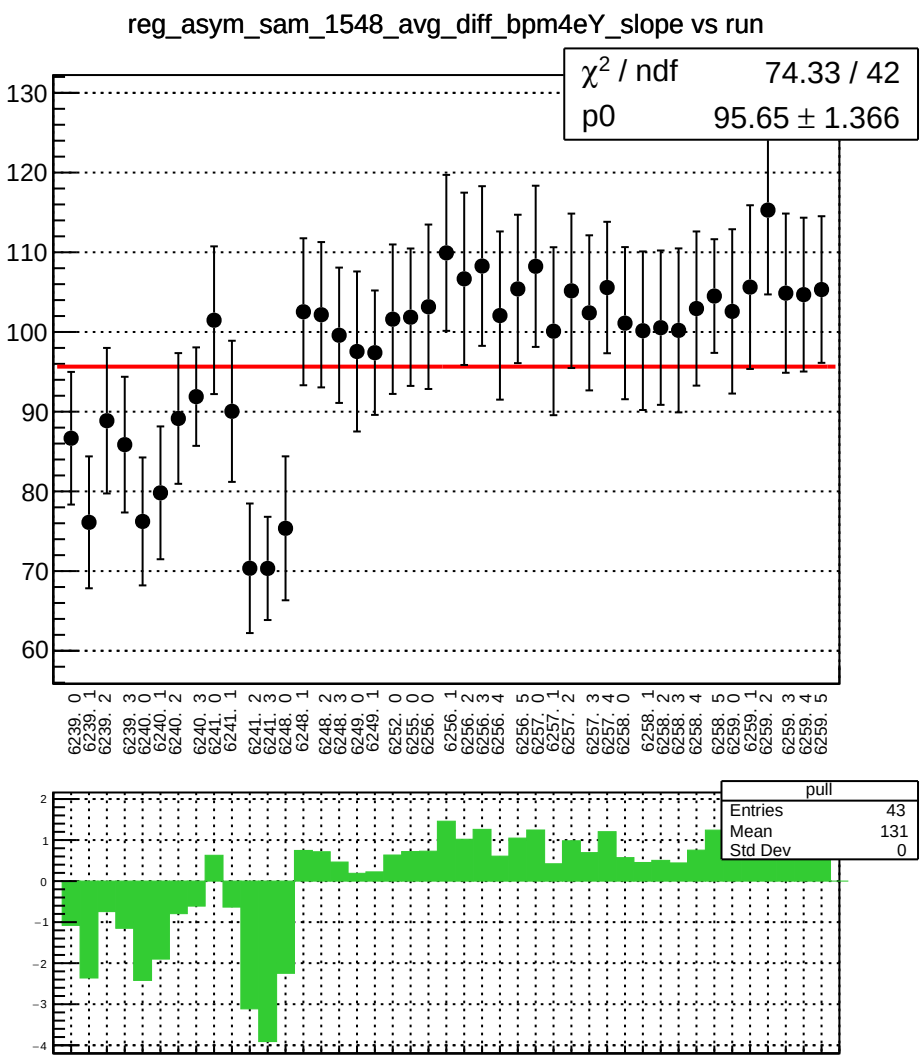

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 106.2 / 42
p0 0.6119 ± 0.07657
pull
Entries 43
Mean −4906
Std Dev 0
pull1D
Entries 43
Mean 0.002846
Std Dev 1.571

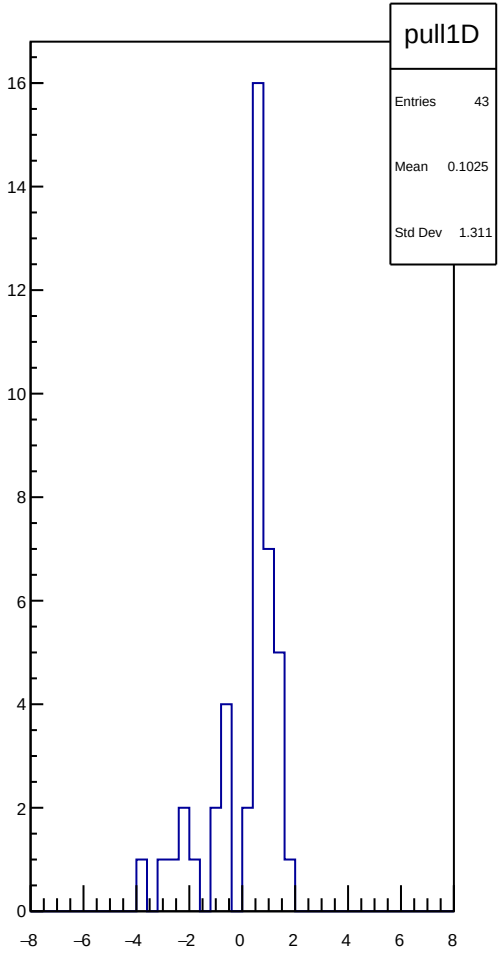

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 253.5 / 42
p0 −10.2 ± 1.042
10
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 334.6
Std Dev 0
2
0
−2
−4
−6
−8
pull1D
Entries 43
Mean 0.06848
Std Dev 2.427
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

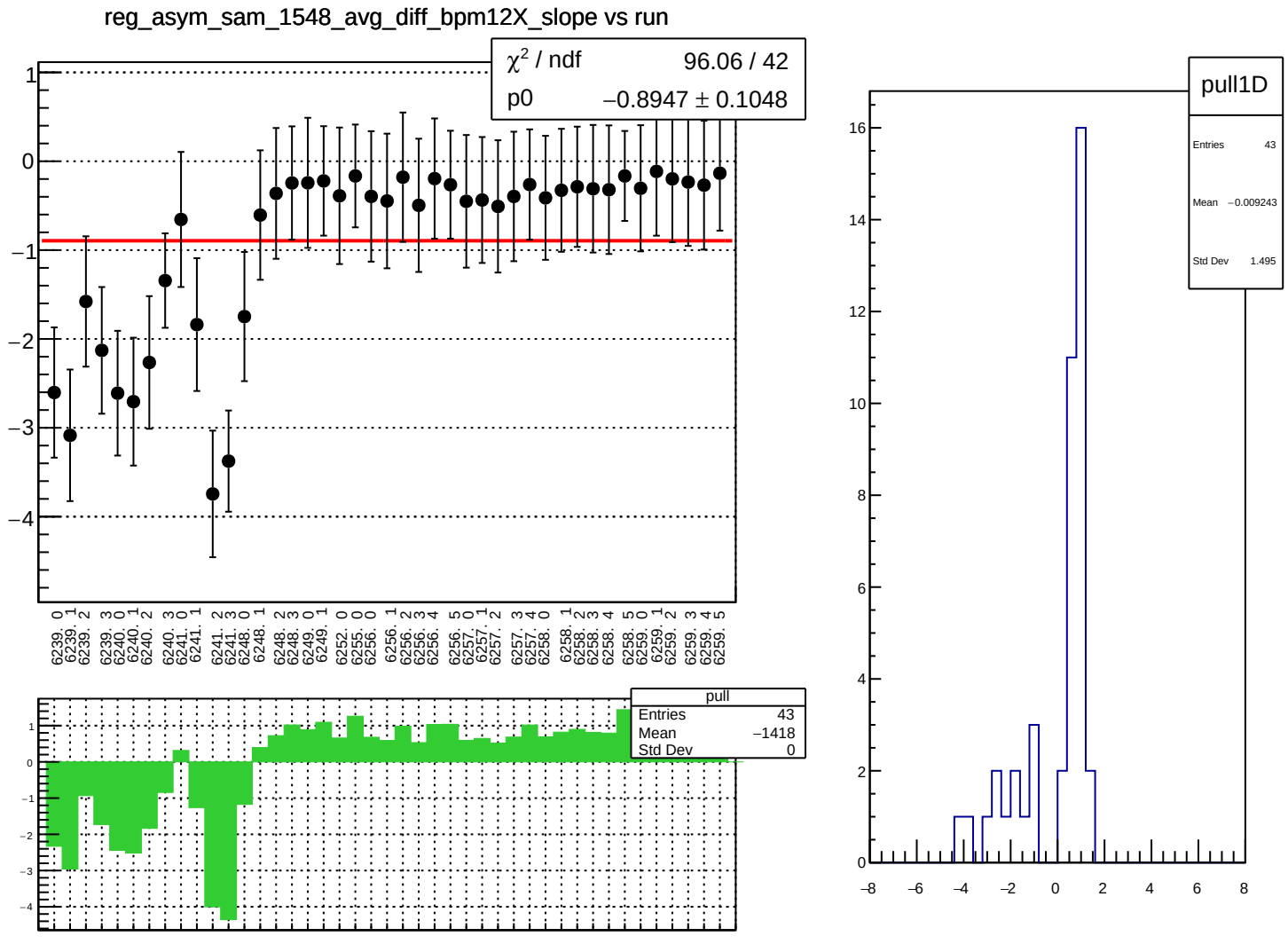

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.21 / 42
p0 −1.25 ± 1.249
30
20
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 136.8
Std Dev 0
5
4
3
2
1
0
−1

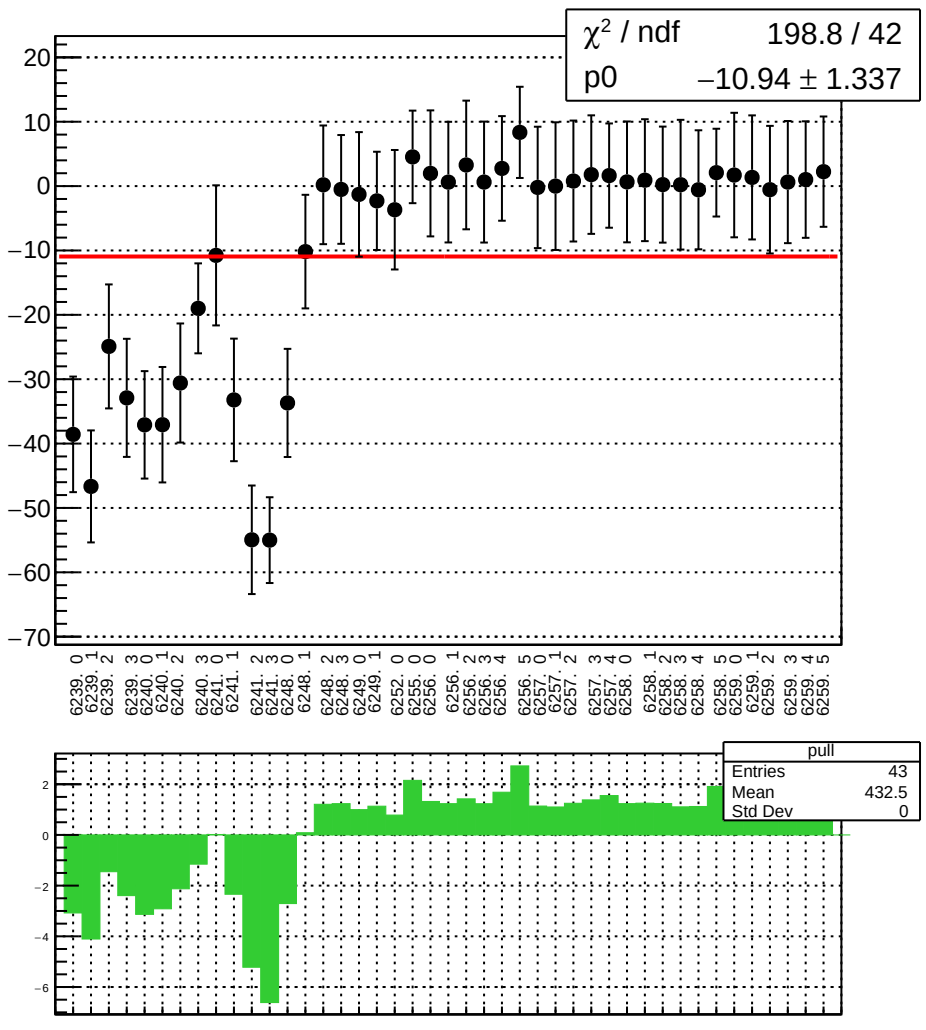

pull1D
Entries 43
Mean −0.1004
Std Dev 1.437
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

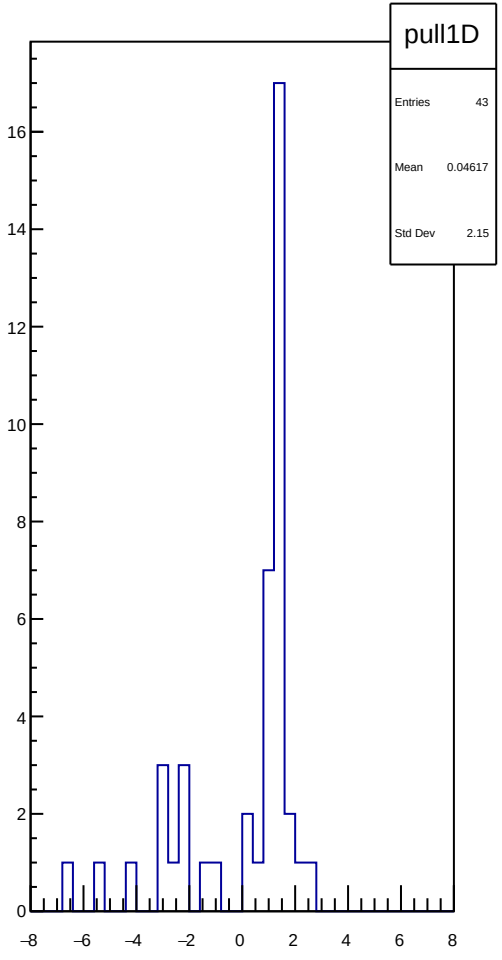

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 234.6 / 42
p0 −50.49 ± 1.254
0
−10
−20
−30
−40
−50
−60
−70
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 256.1
Std Dev 0
6
4
2
0
−2
pull1D
Entries 43
Mean −0.08907
Std Dev 2.334
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

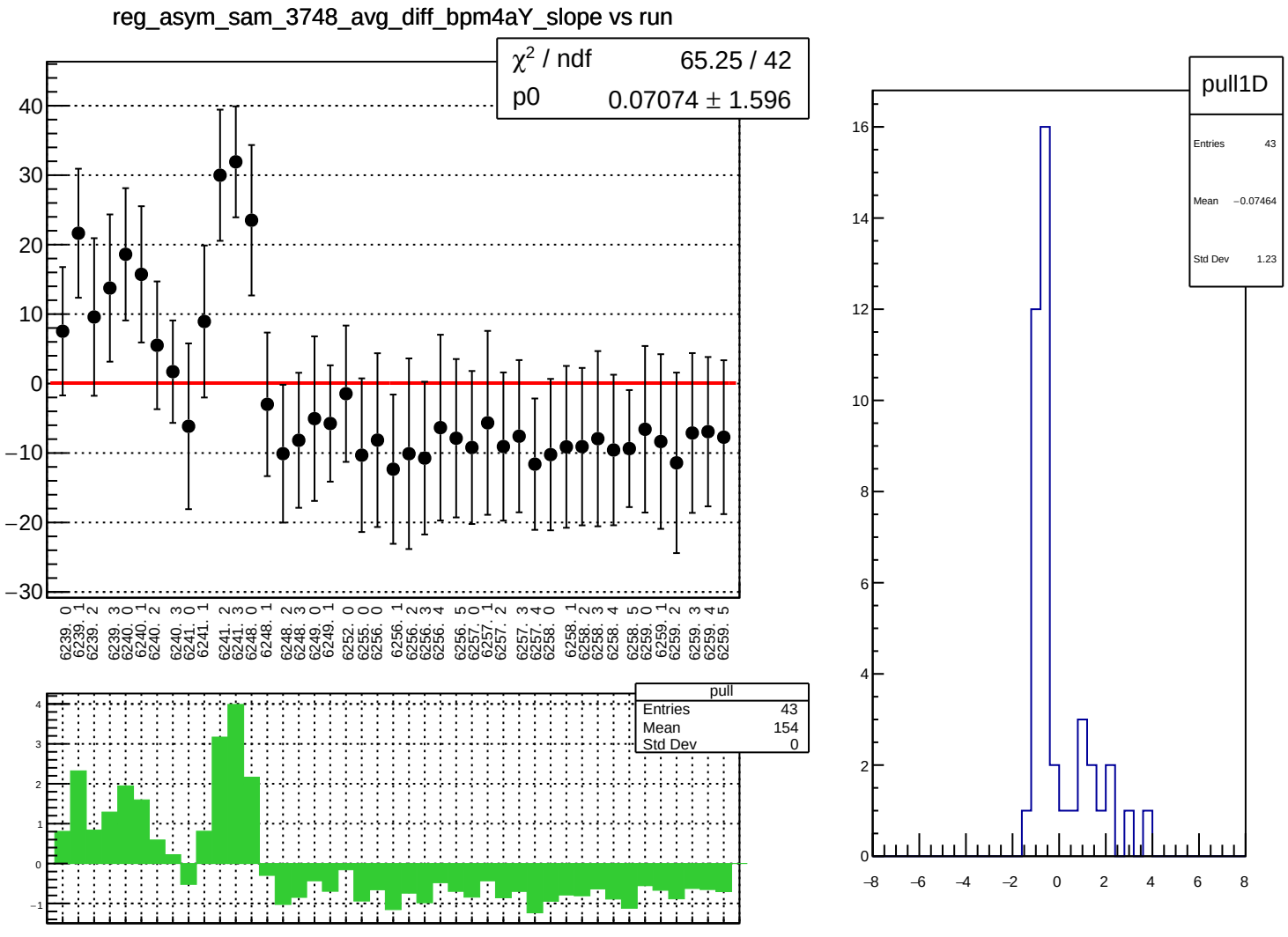

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.33 / 42
p0 95.65 ± 1.366
130
120
110
100
90
80
70
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 131
Std Dev 0
2
1
0
−1
−2
−3
−4

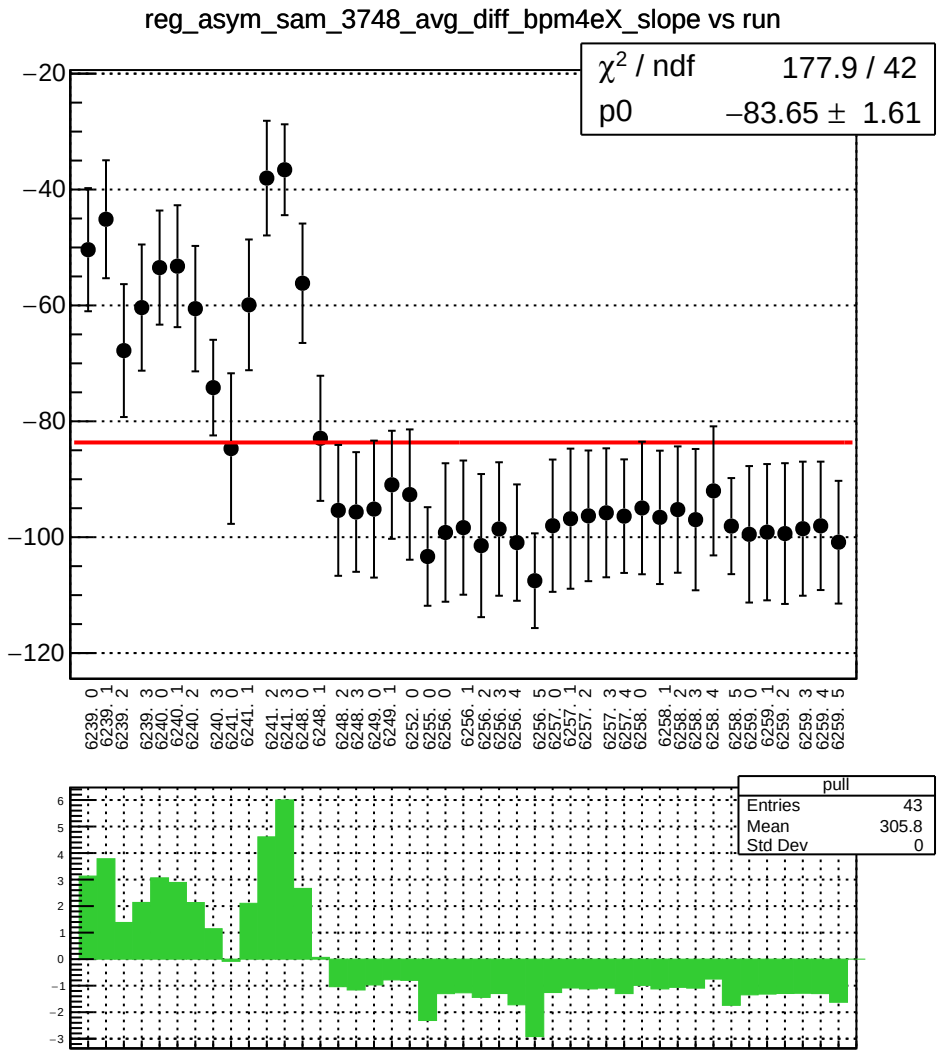

pull1D
Entries 43
Mean 0.1025
Std Dev 1.311
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

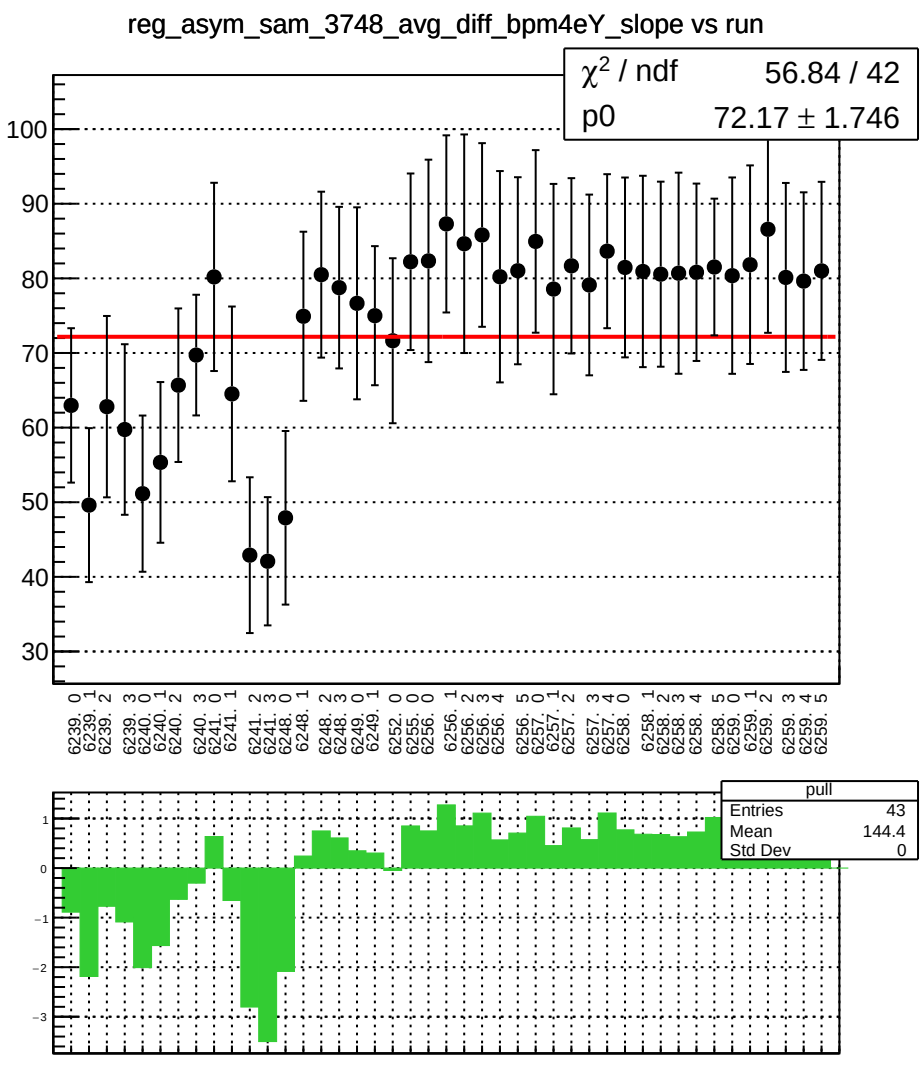

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 96.06 / 42
p0 −0.8947 ± 0.1048
pull
Entries 43
Mean −1418
Std Dev 0
pull1D
Entries 43
Mean −0.009243
Std Dev 1.495

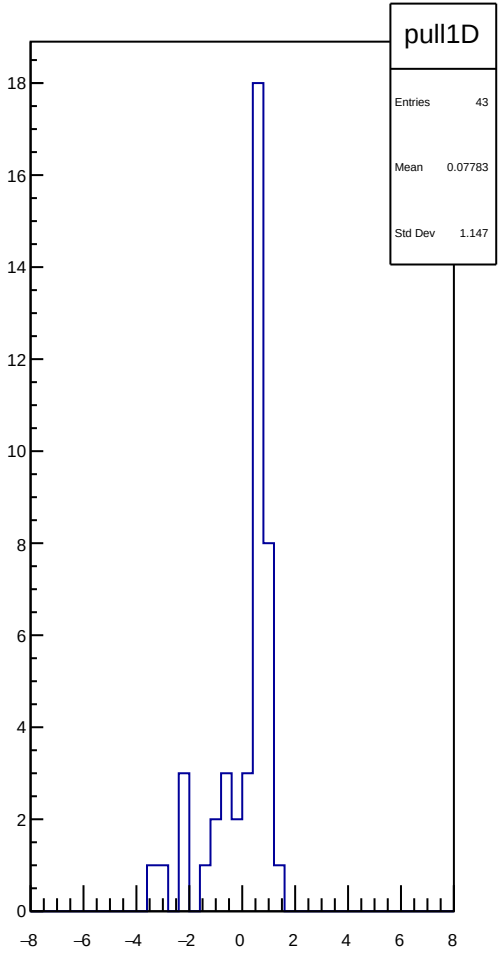

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 198.8 / 42
p0 −10.94 ± 1.337
pull
Entries 43
Mean 432.5
Std Dev 0

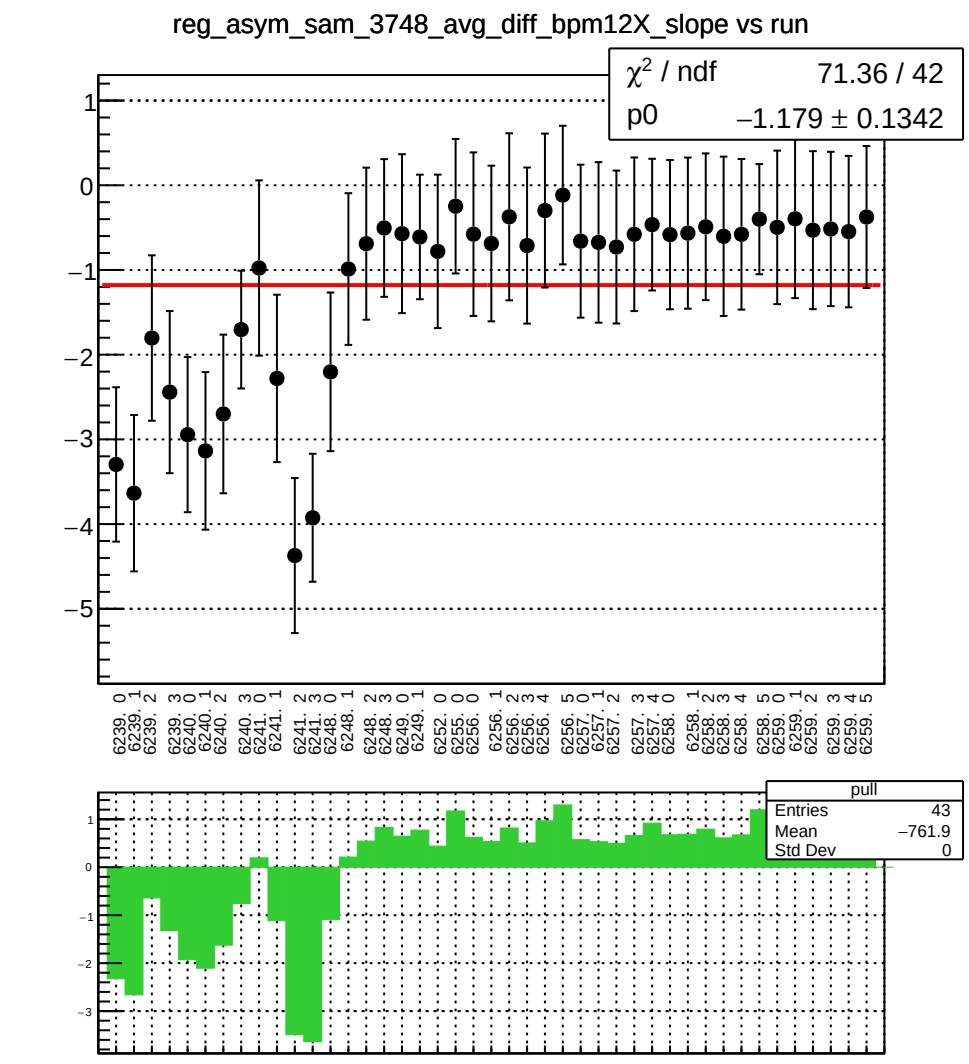

pull1D
Entries 43
Mean 0.04617
Std Dev 2.15

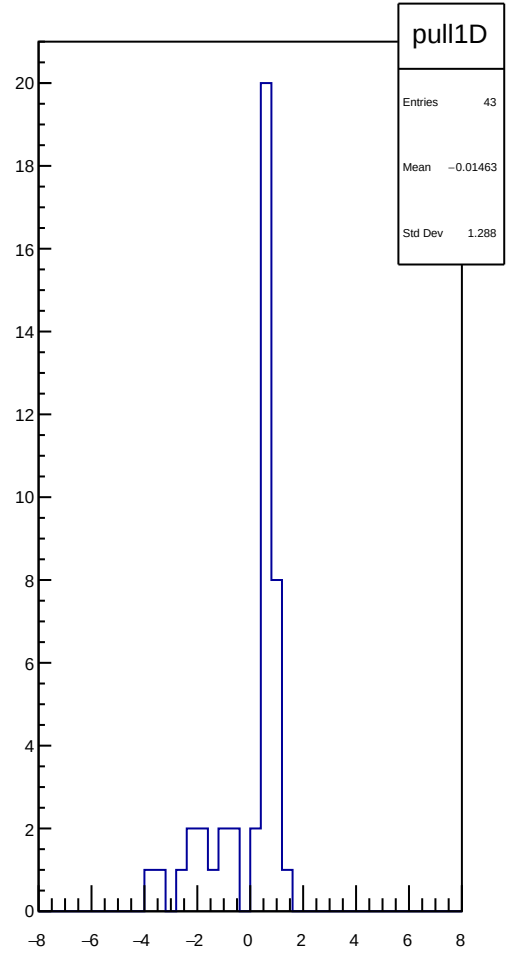

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.25 / 42
p0 0.07074 ± 1.596
pull
Entries 43
Mean 154
Std Dev 0
pull1D
Entries 43
Mean −0.07464
Std Dev 1.23

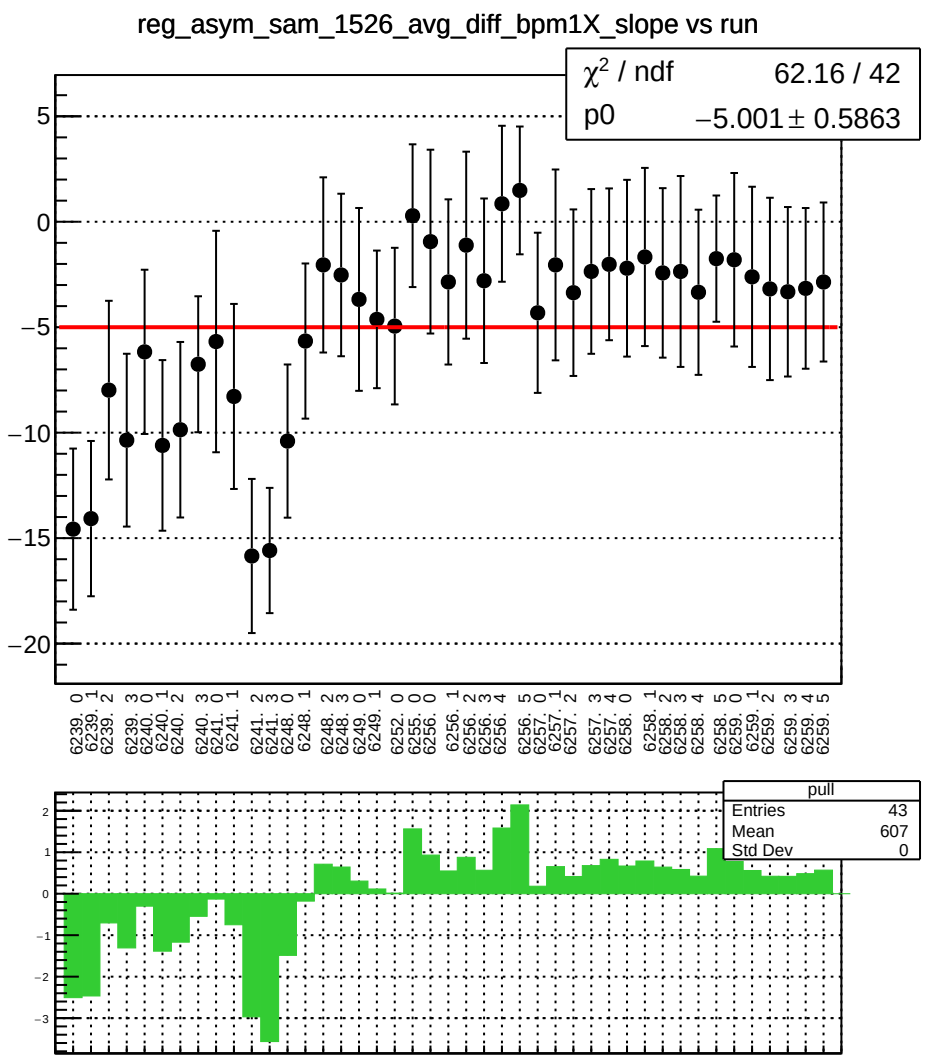

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 177.9 / 42
p0 −83.65 ± 1.61
−20
−40
−60
−80
−100
−120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 305.8
Std Dev 0
6
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.0639
Std Dev 2.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

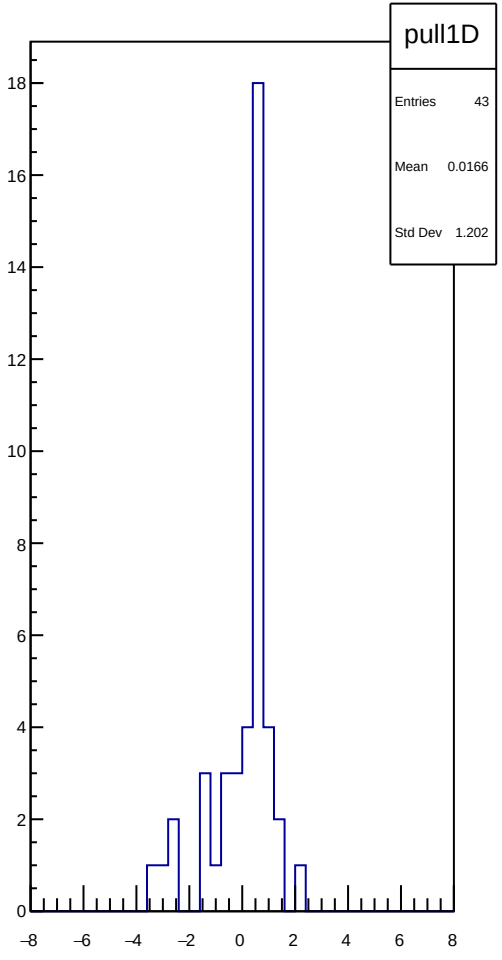

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.84 / 42
p0 72.17 ± 1.746
100
90
80
70
60
50
40
30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 144.4
Std Dev 0
1
0
−1
−2
−3

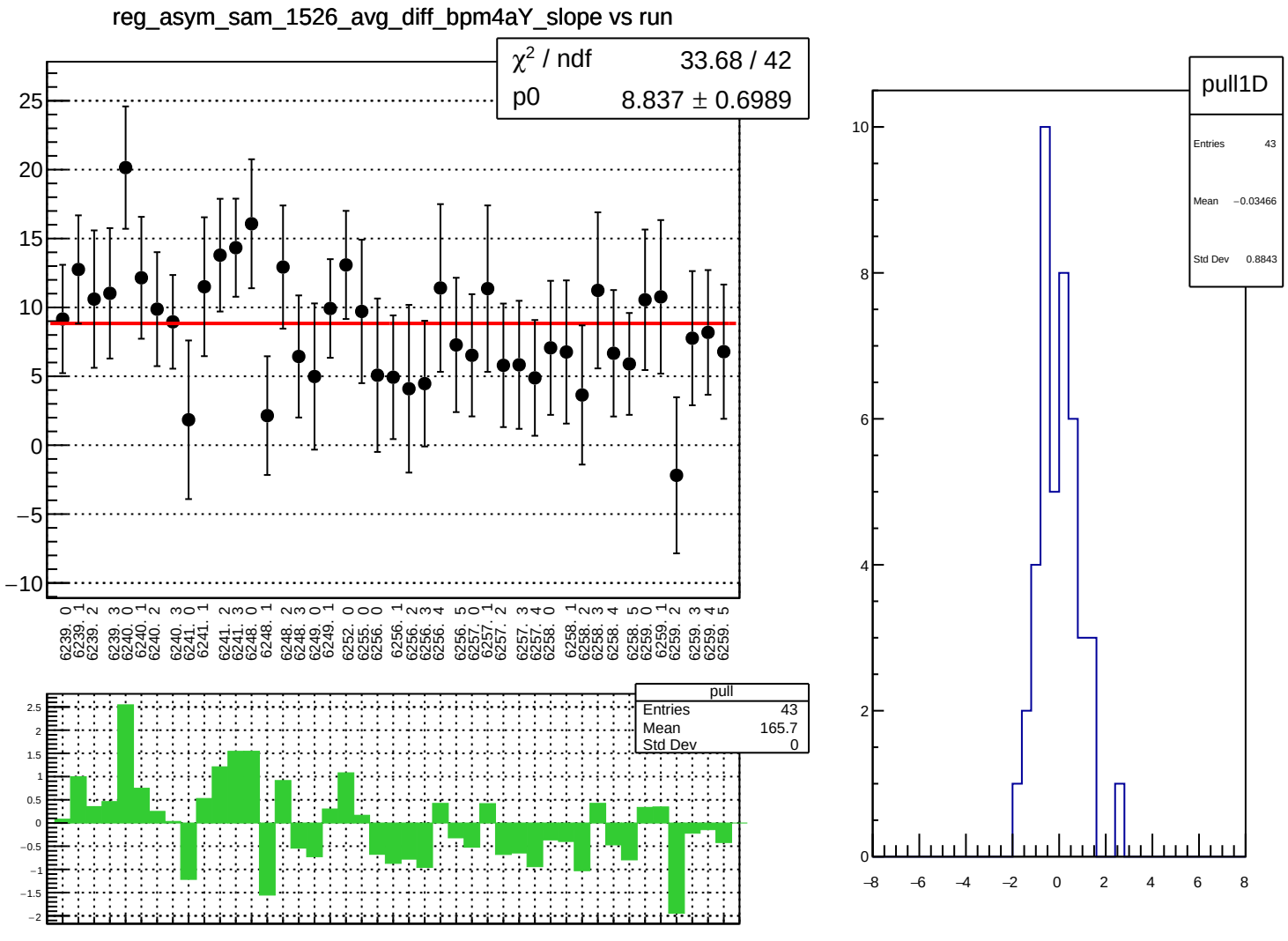

pull1D
Entries 43
Mean 0.07783
Std Dev 1.147
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

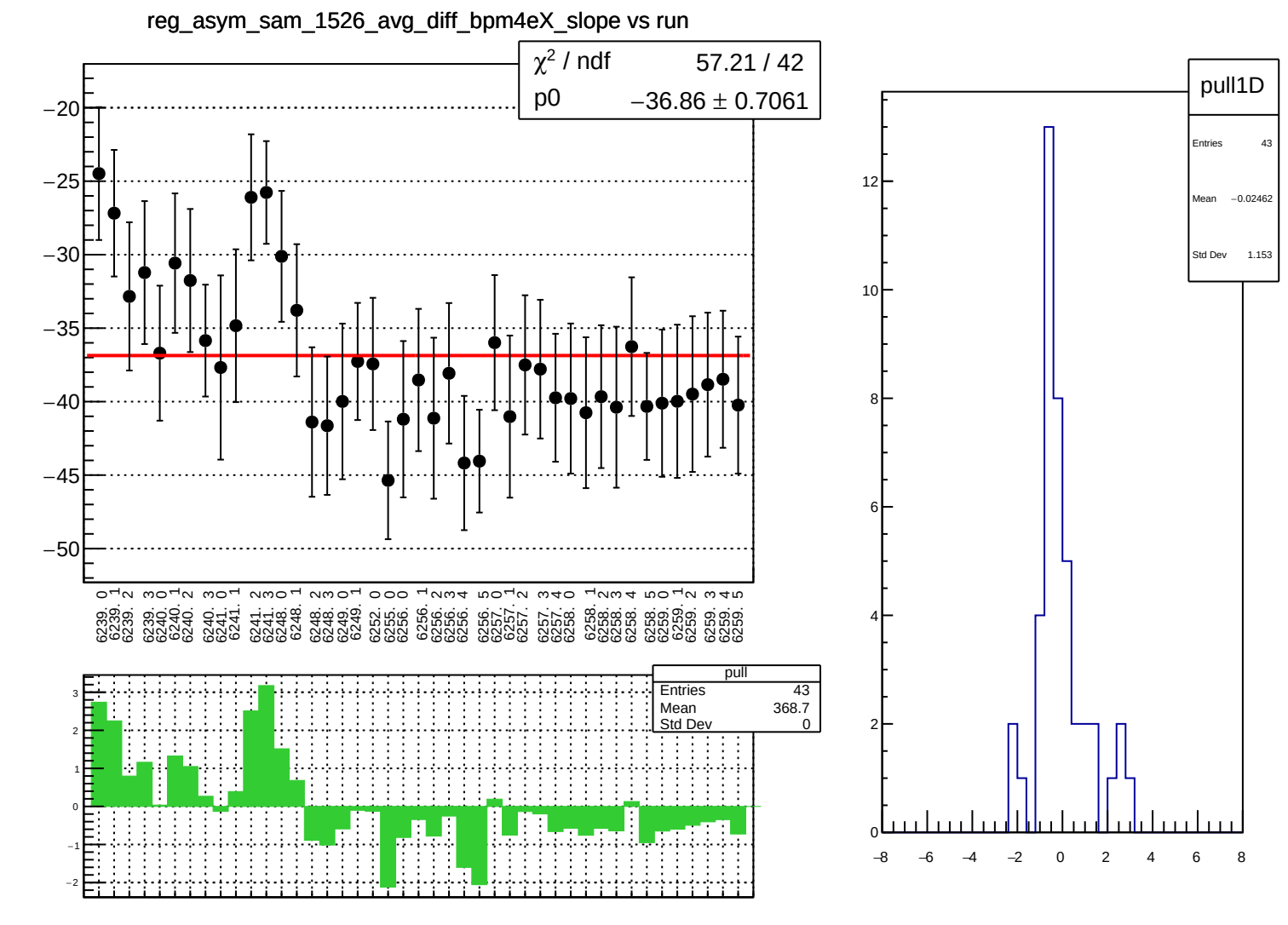

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 71.36 / 42
p0 −1.179 ± 0.1342
pull
Entries 43
Mean −761.9
Std Dev 0

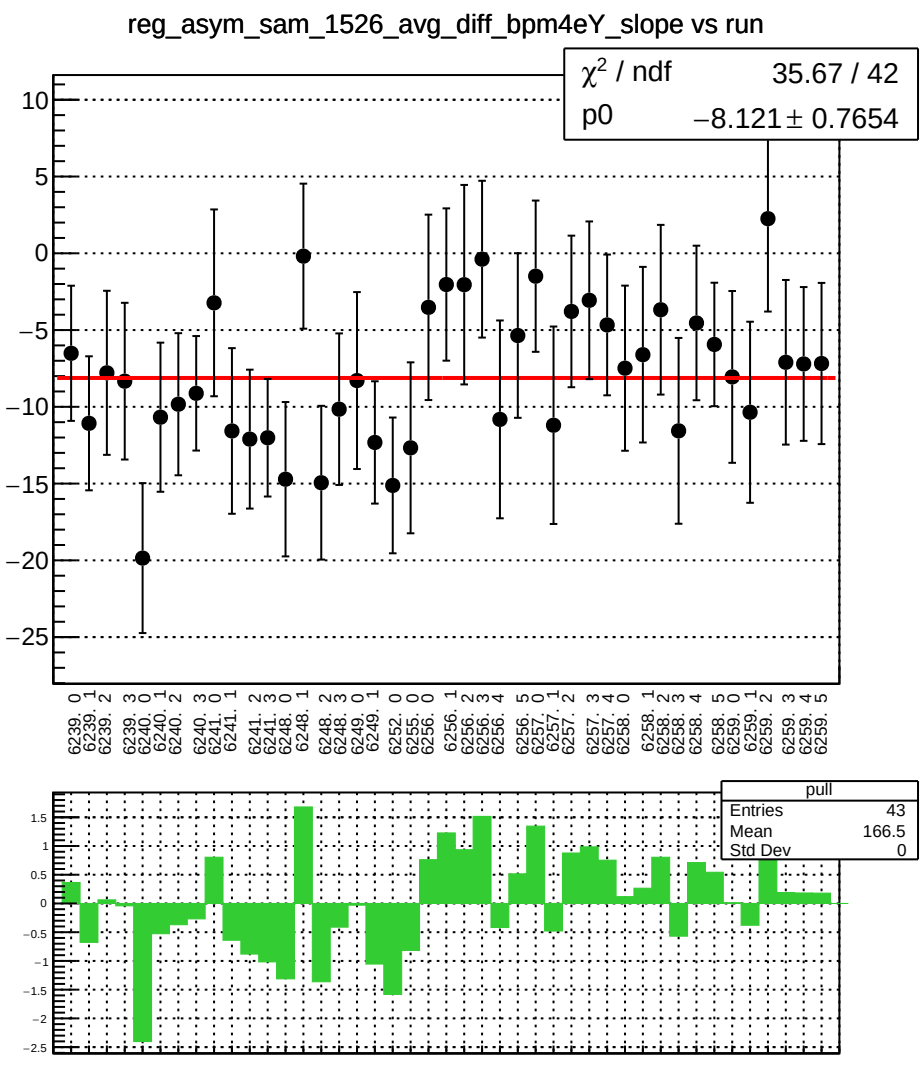

pull1D
Entries 43
Mean −0.01463
Std Dev 1.288

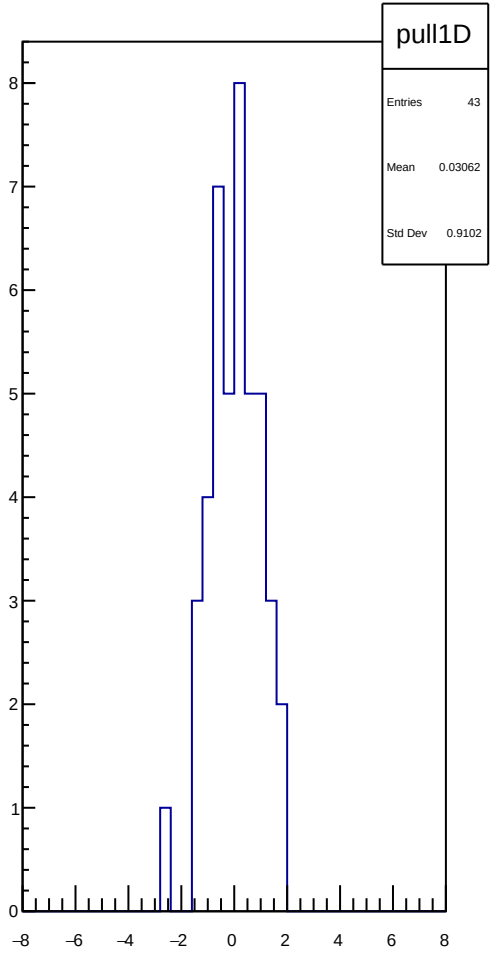

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 62.16 / 42
p0 −5.001 ± 0.5863
pull
Entries 43
Mean 607
Std Dev 0

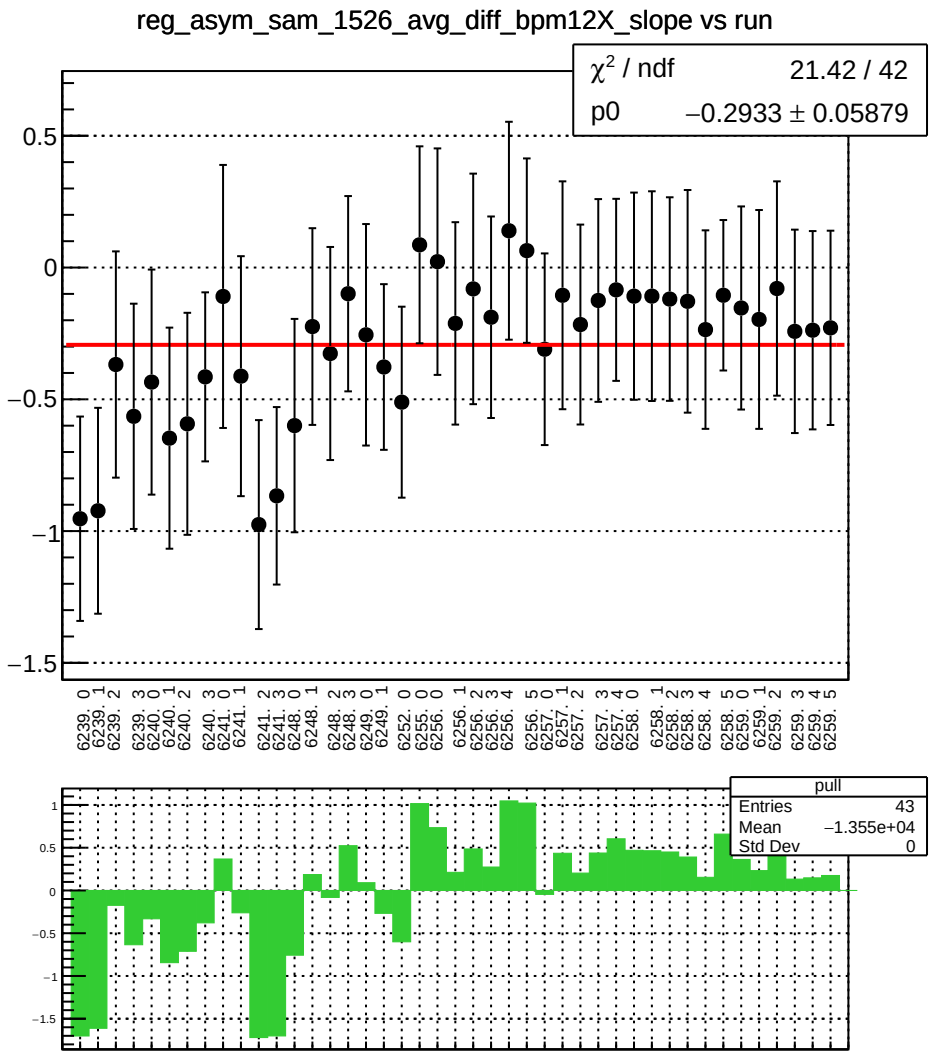

pull1D
Entries 43
Mean 0.0166
Std Dev 1.202

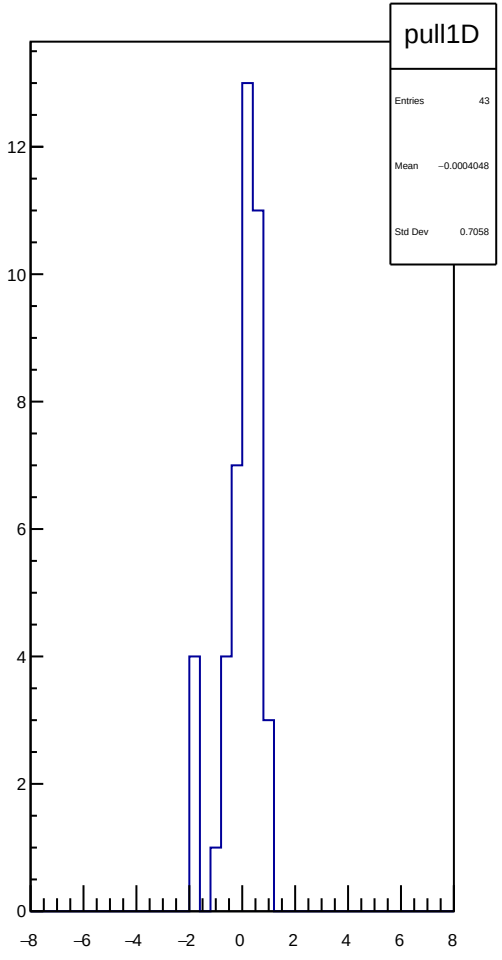

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.68 / 42
p0 8.837 ± 0.6989
pull
Entries 43
Mean 165.7
Std Dev 0
pull1D
Entries 43
Mean −0.03466
Std Dev 0.8843

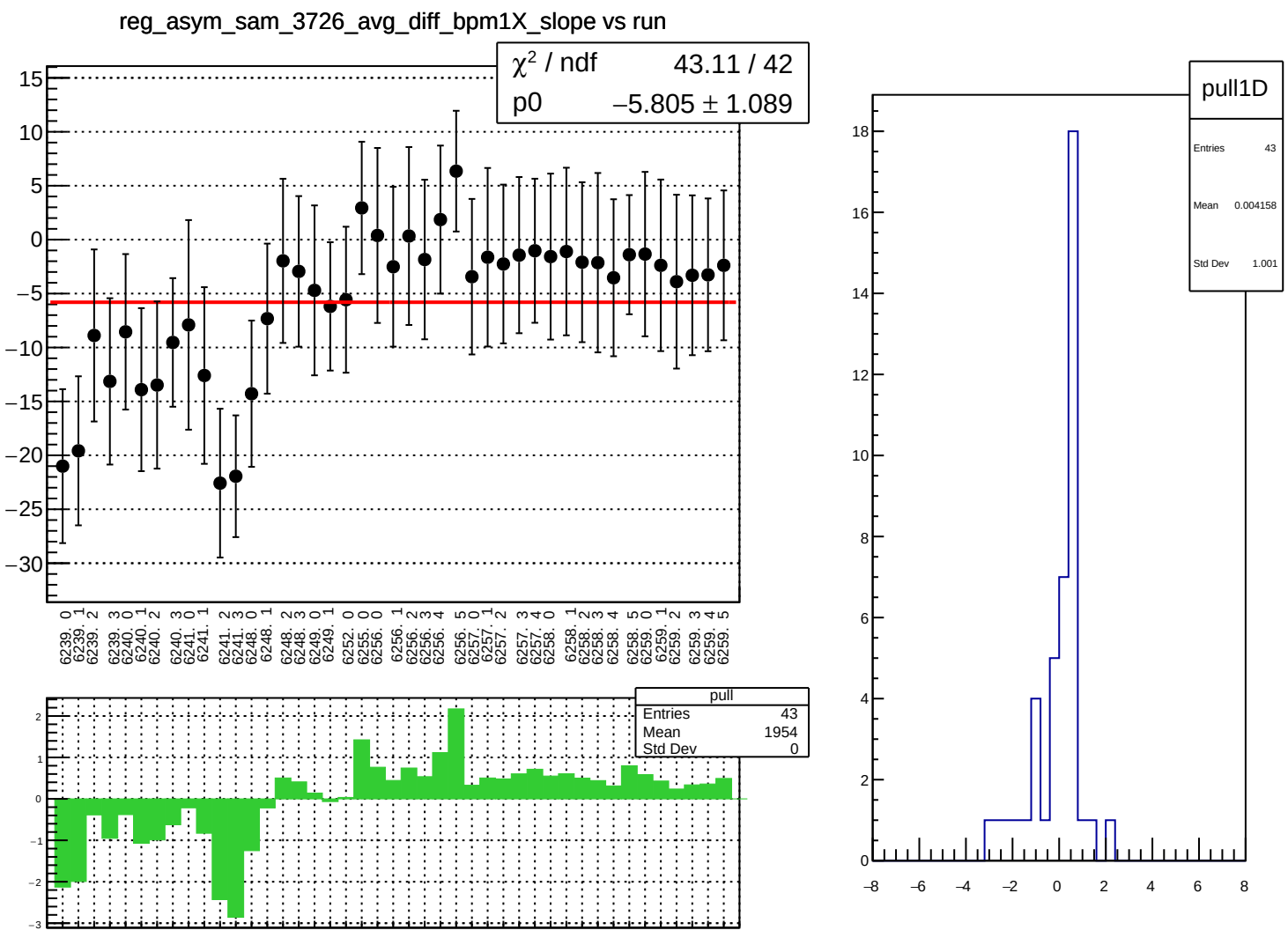

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.21 / 42
p0 −36.86 ± 0.7061
pull
Entries 43
Mean 368.7
Std Dev 0
pull1D
Entries 43
Mean −0.02462
Std Dev 1.153

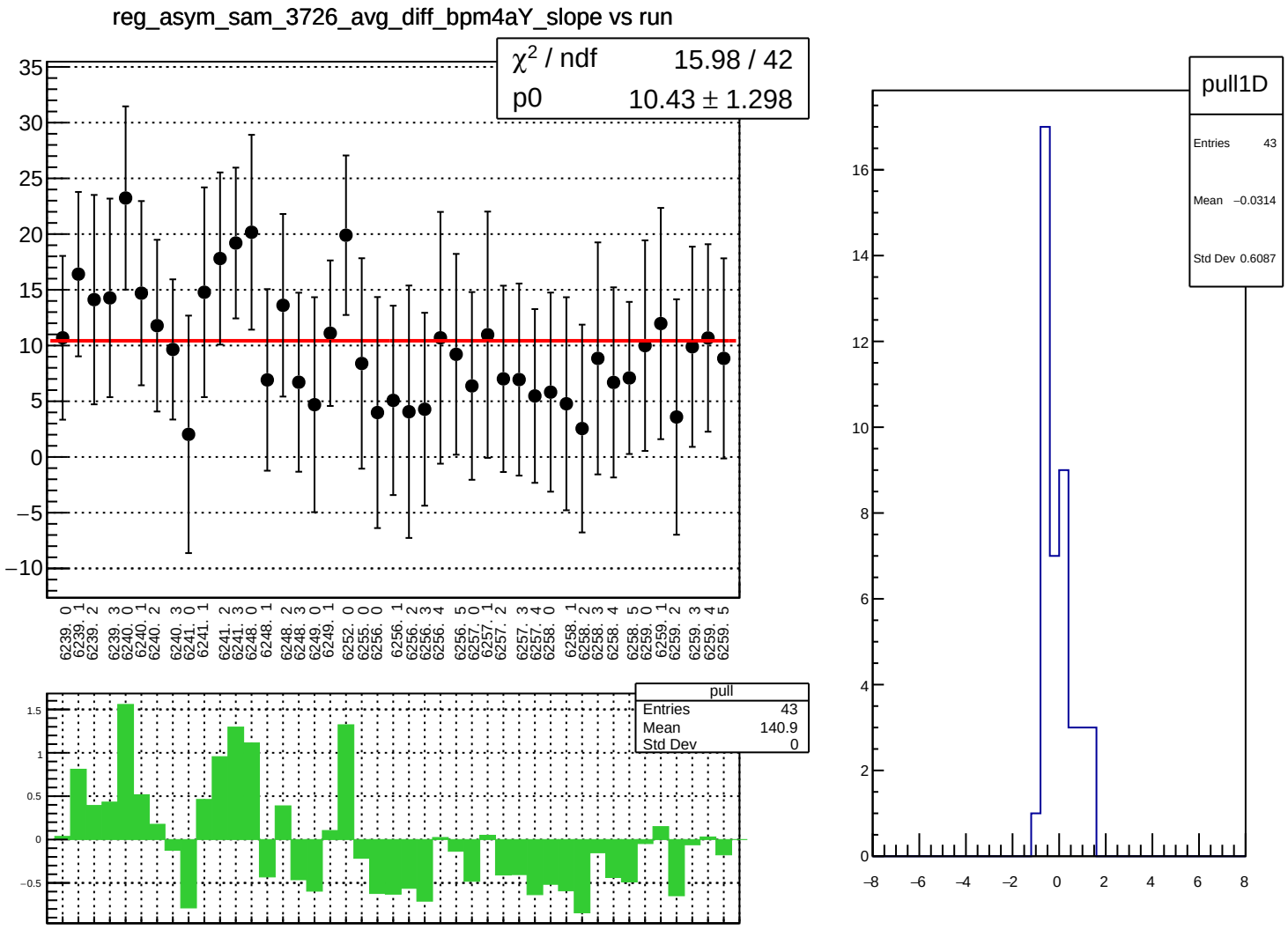

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.67 / 42
p0 −8.121 ± 0.7654
pull
Entries 43
Mean 166.5
Std Dev 0

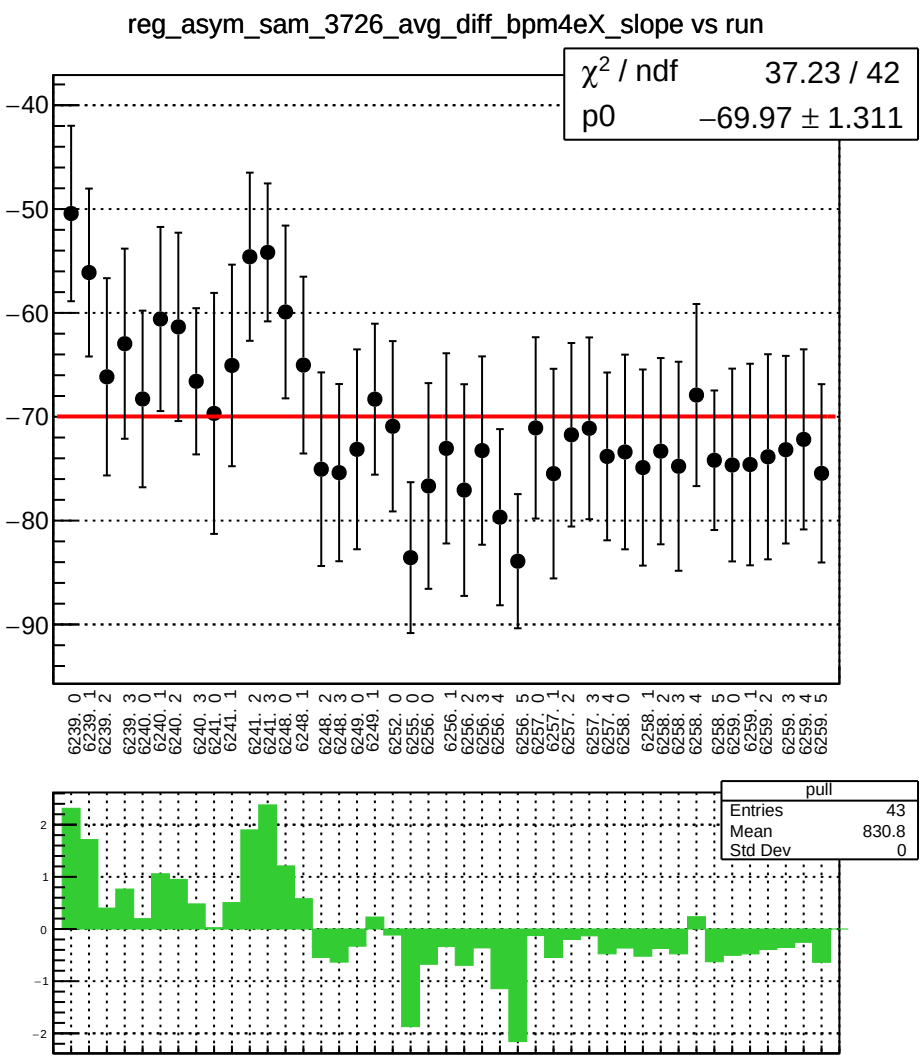

pull1D
Entries 43
Mean 0.03062
Std Dev 0.9102

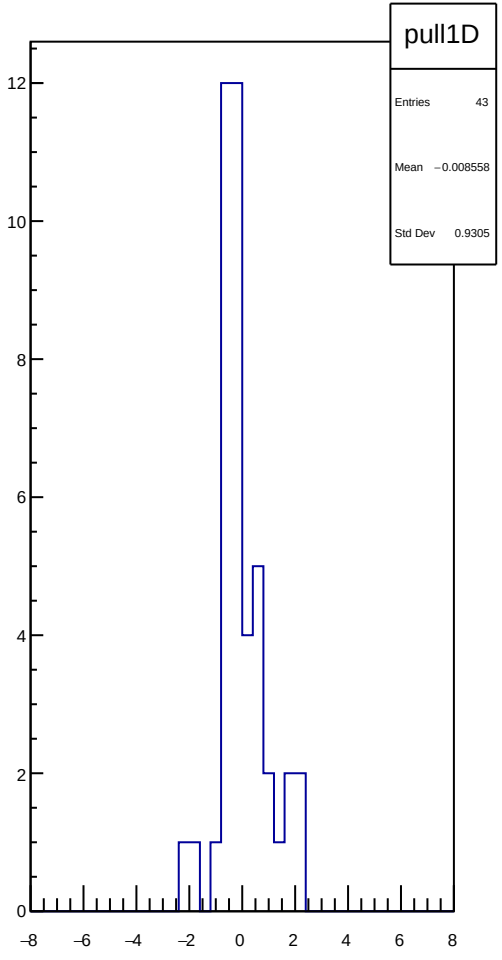

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 21.42 / 42
p0 −0.2933 ± 0.05879
0.5
0
−0.5
−1
−1.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1.355e+04
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

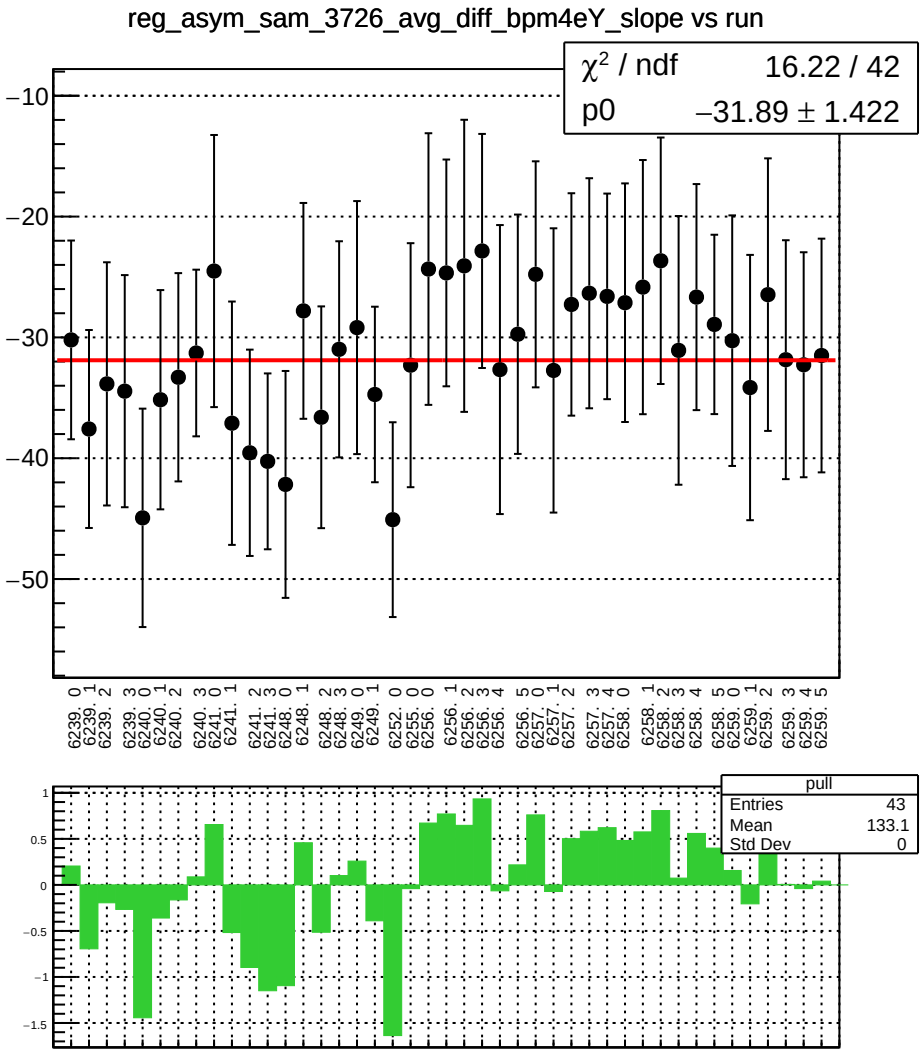

pull1D
Entries 43
Mean −0.0004048
Std Dev 0.7058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

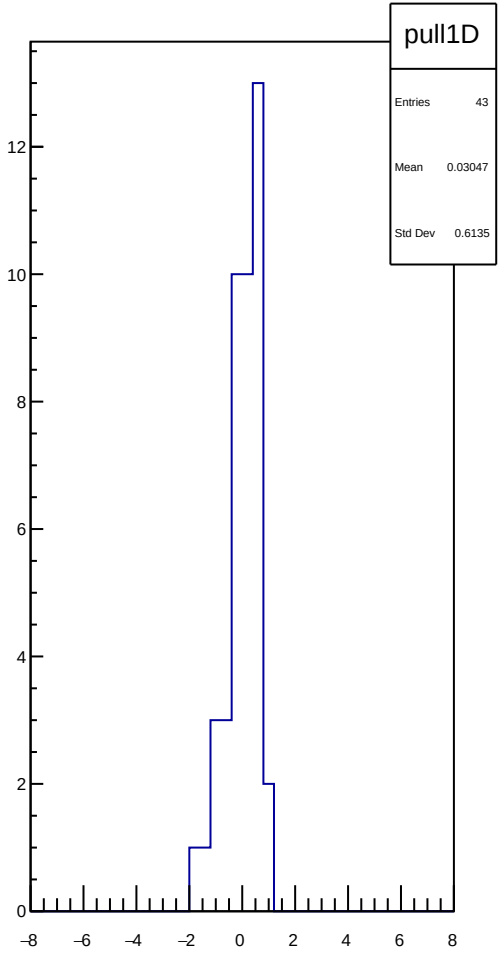

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 43.11 / 42
p0 −5.805 ± 1.089
pull
Entries 43
Mean 1954
Std Dev 0
pull1D
Entries 43
Mean 0.004158
Std Dev 1.001

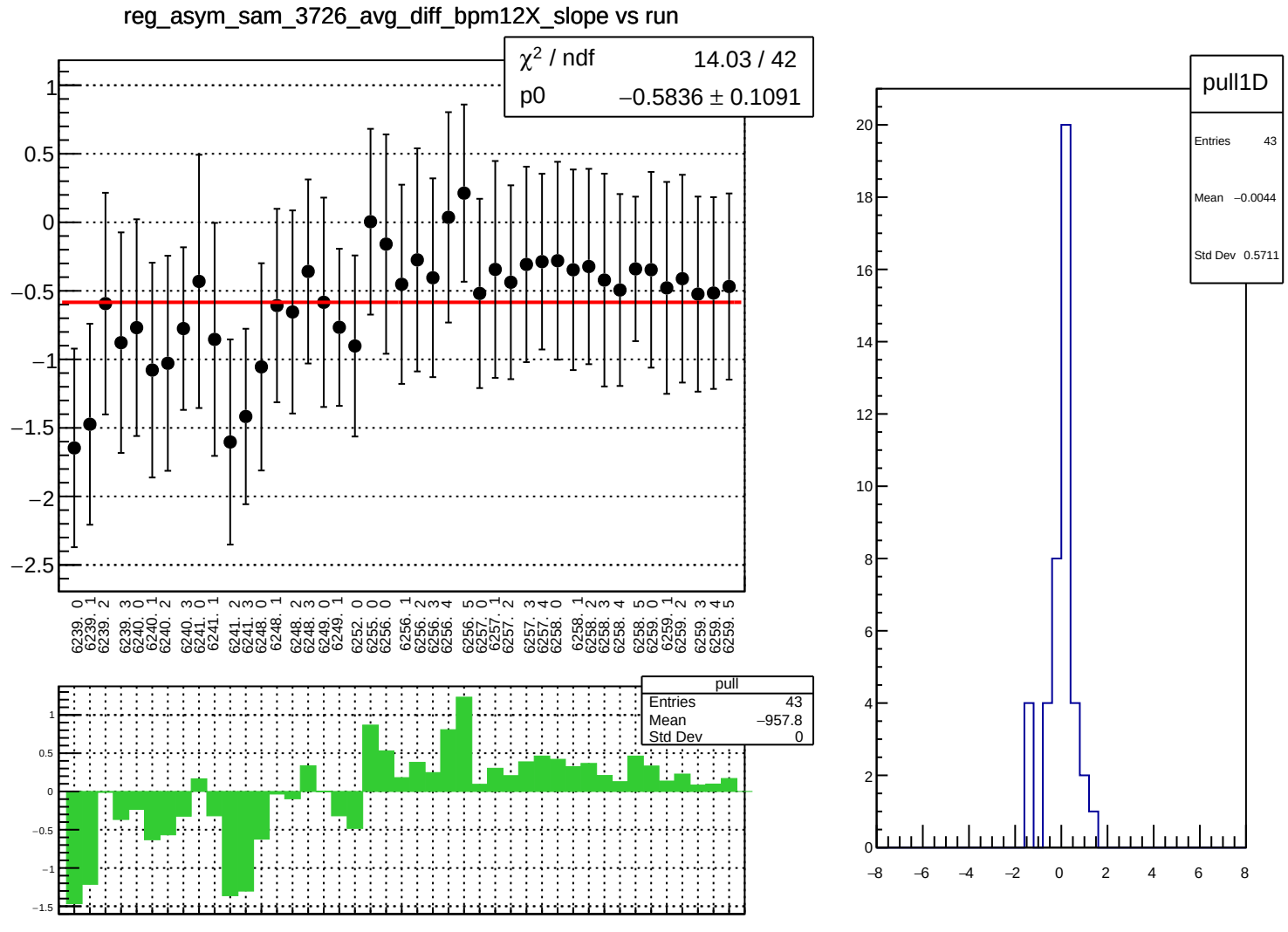

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.98 / 42
p0 10.43 ± 1.298
pull
Entries 43
Mean 140.9
Std Dev 0
pull1D
Entries 43
Mean −0.0314
Std Dev 0.6087

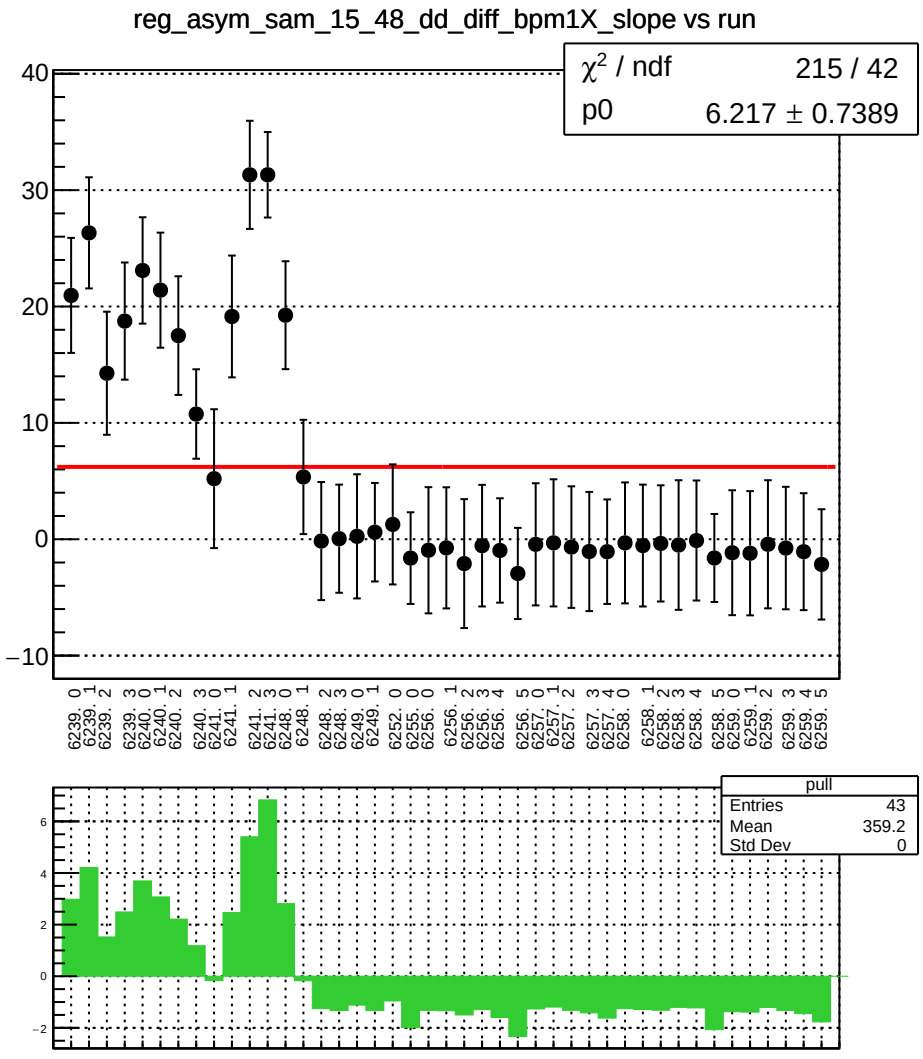

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.23 / 42
p0 −69.97 ± 1.311
−40
−50
−60
−70
−80
−90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 830.8
Std Dev 0
2
1
0
−1
−2

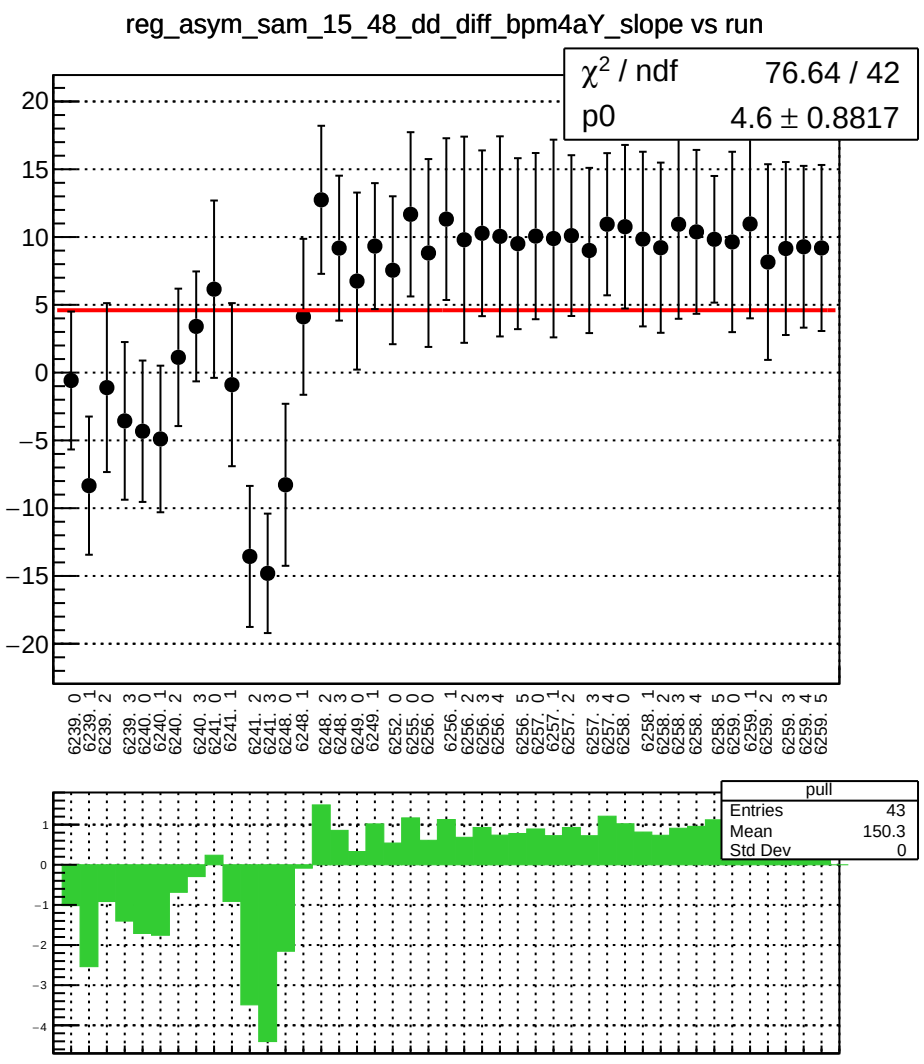

pull1D
Entries 43
Mean −0.008558
Std Dev 0.9305
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

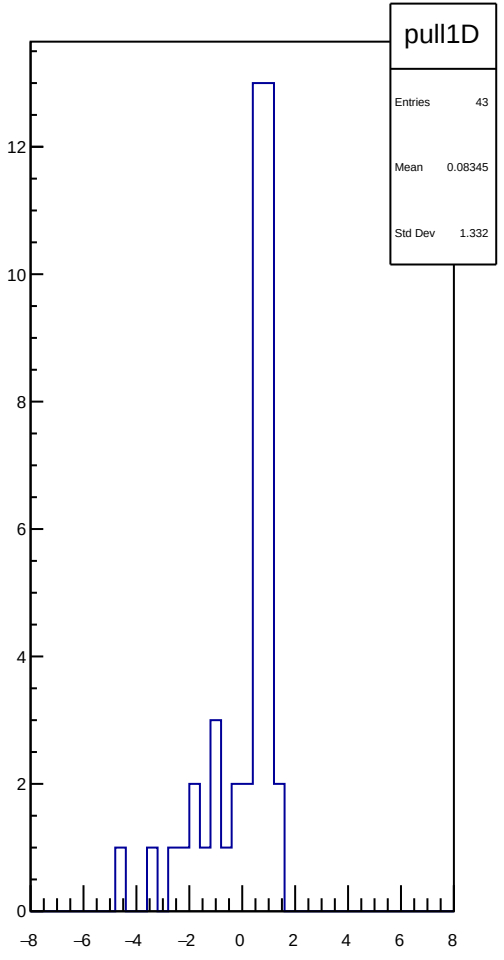

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.22 / 42
p0 −31.89 ± 1.422
pull
Entries 43
Mean 133.1
Std Dev 0

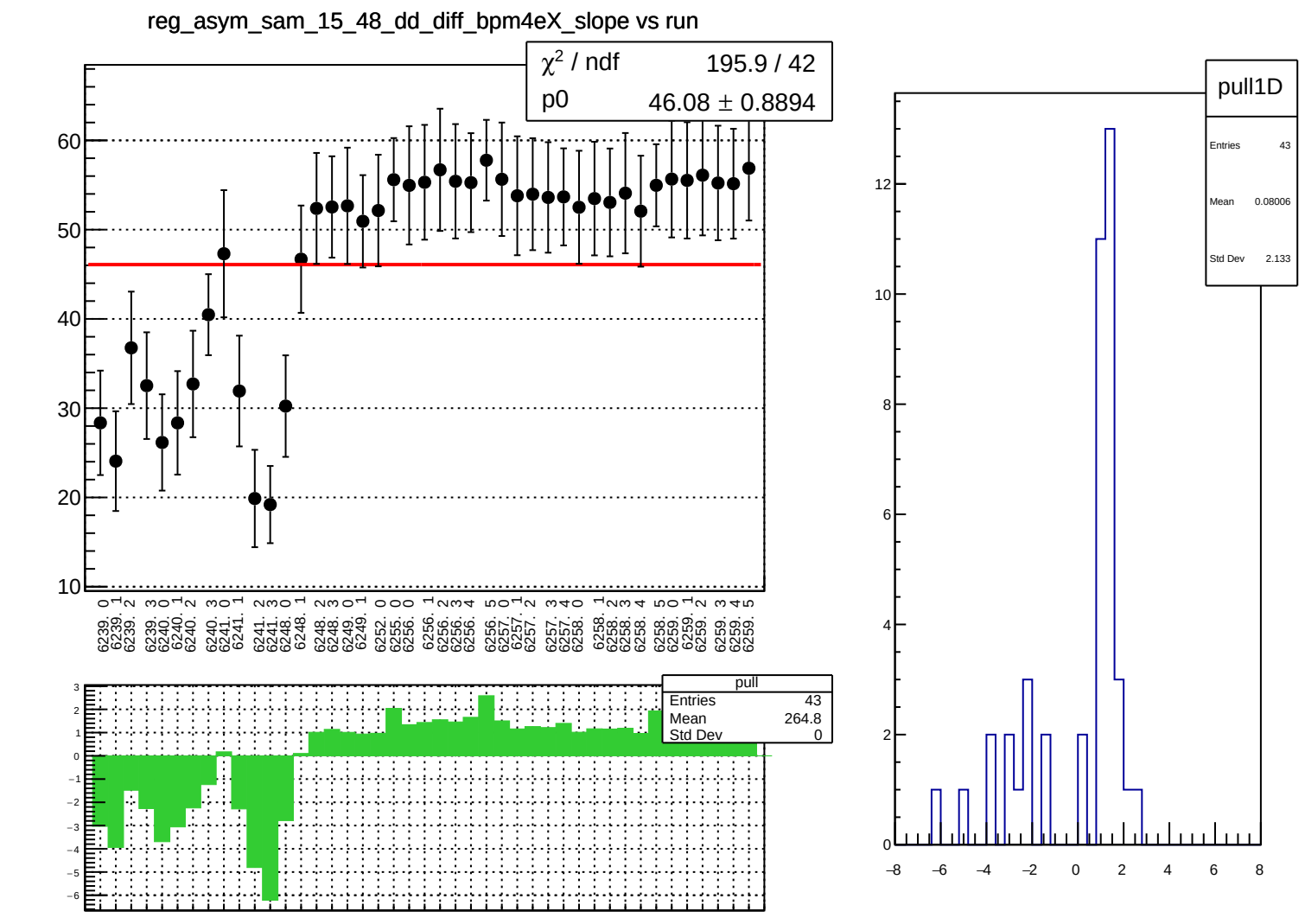

pull1D
Entries 43
Mean 0.03047
Std Dev 0.6135

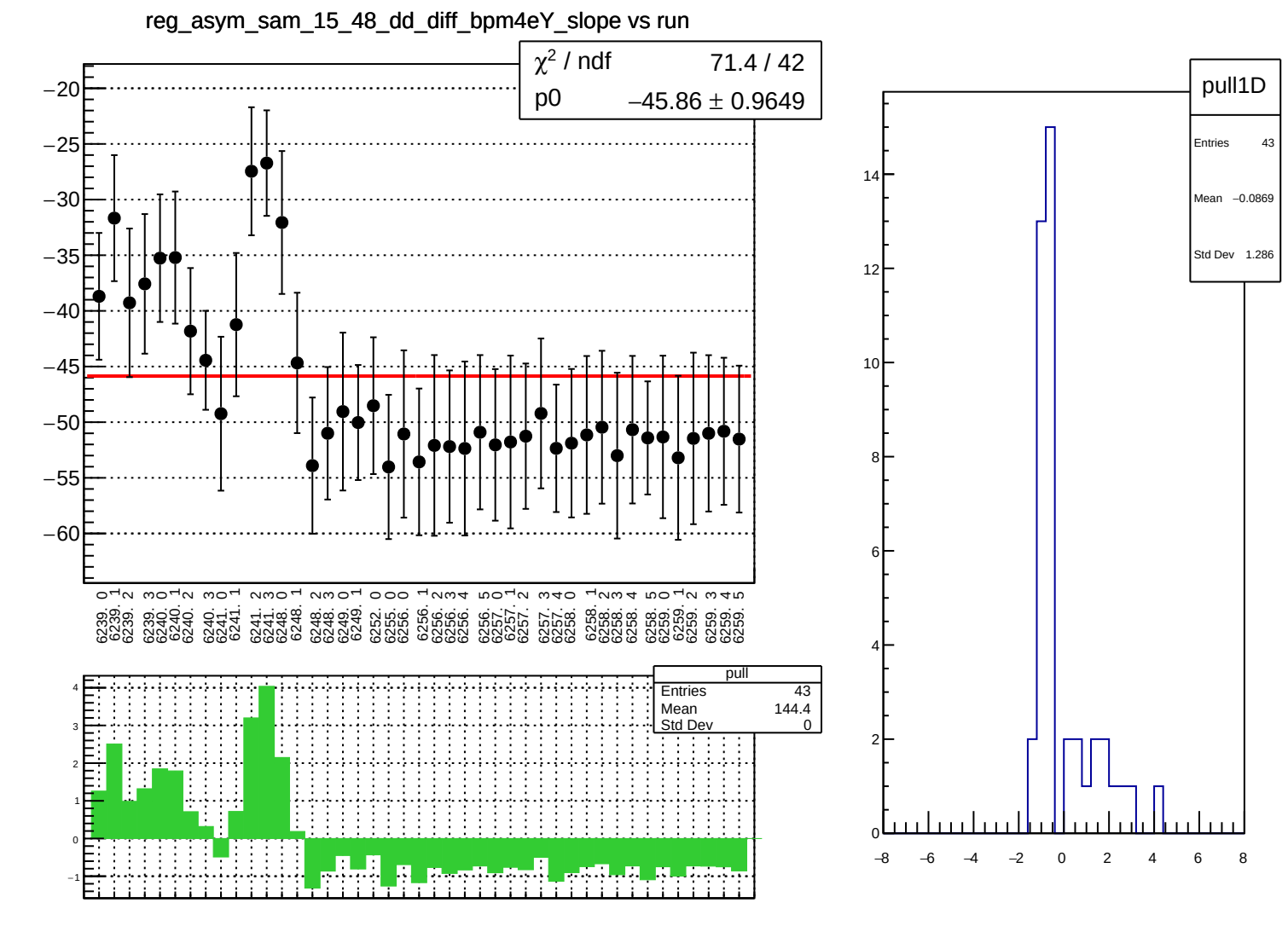

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 14.03 / 42
p0 −0.5836 ± 0.1091
pull
Entries 43
Mean −957.8
Std Dev 0
pull1D
Entries 43
Mean −0.0044
Std Dev 0.5711

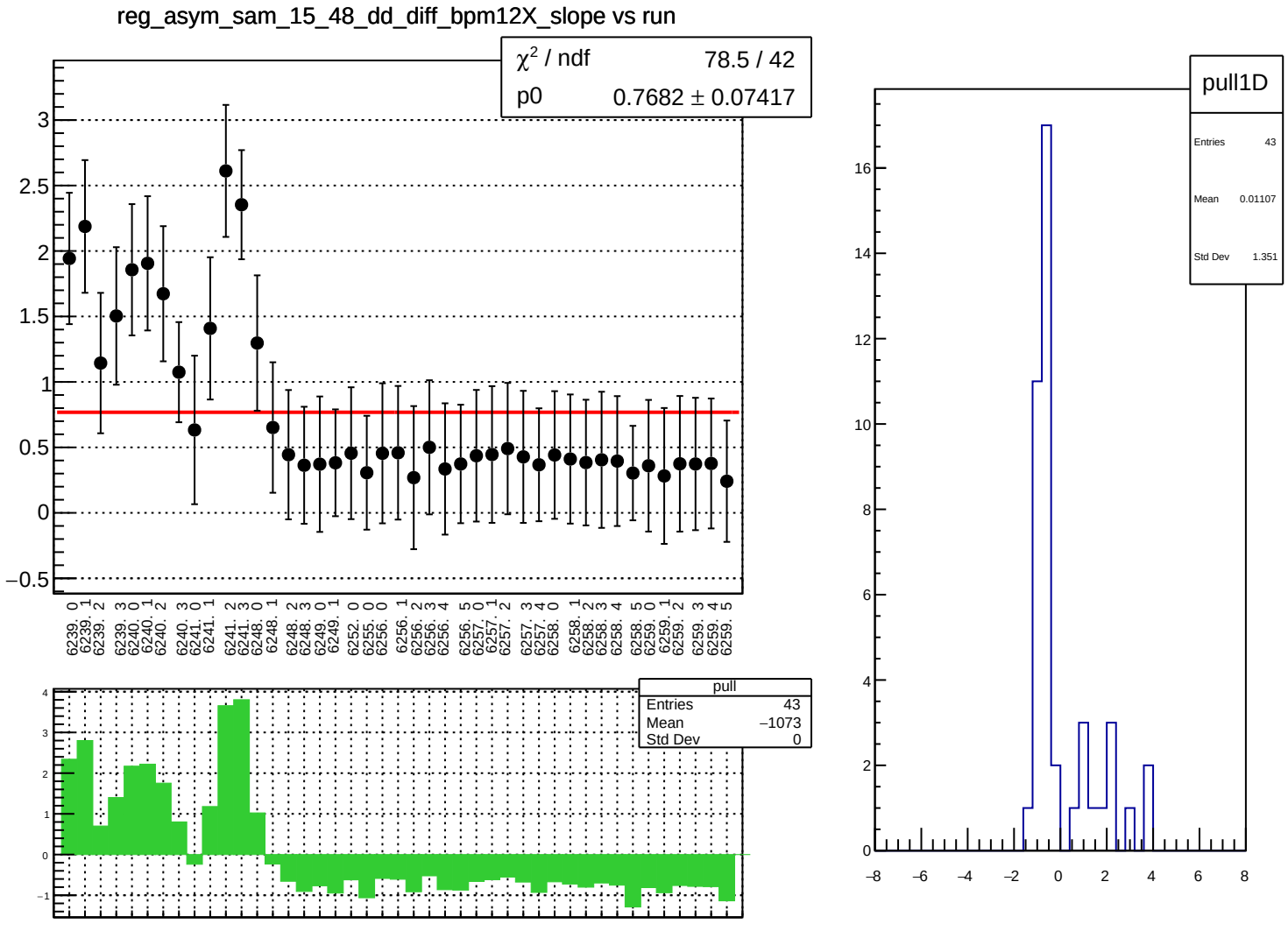

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 215 / 42
p0 6.217 ± 0.7389
pull
Entries 43
Mean 359.2
Std Dev 0
pull1D
Entries 43
Mean −0.05905
Std Dev 2.236

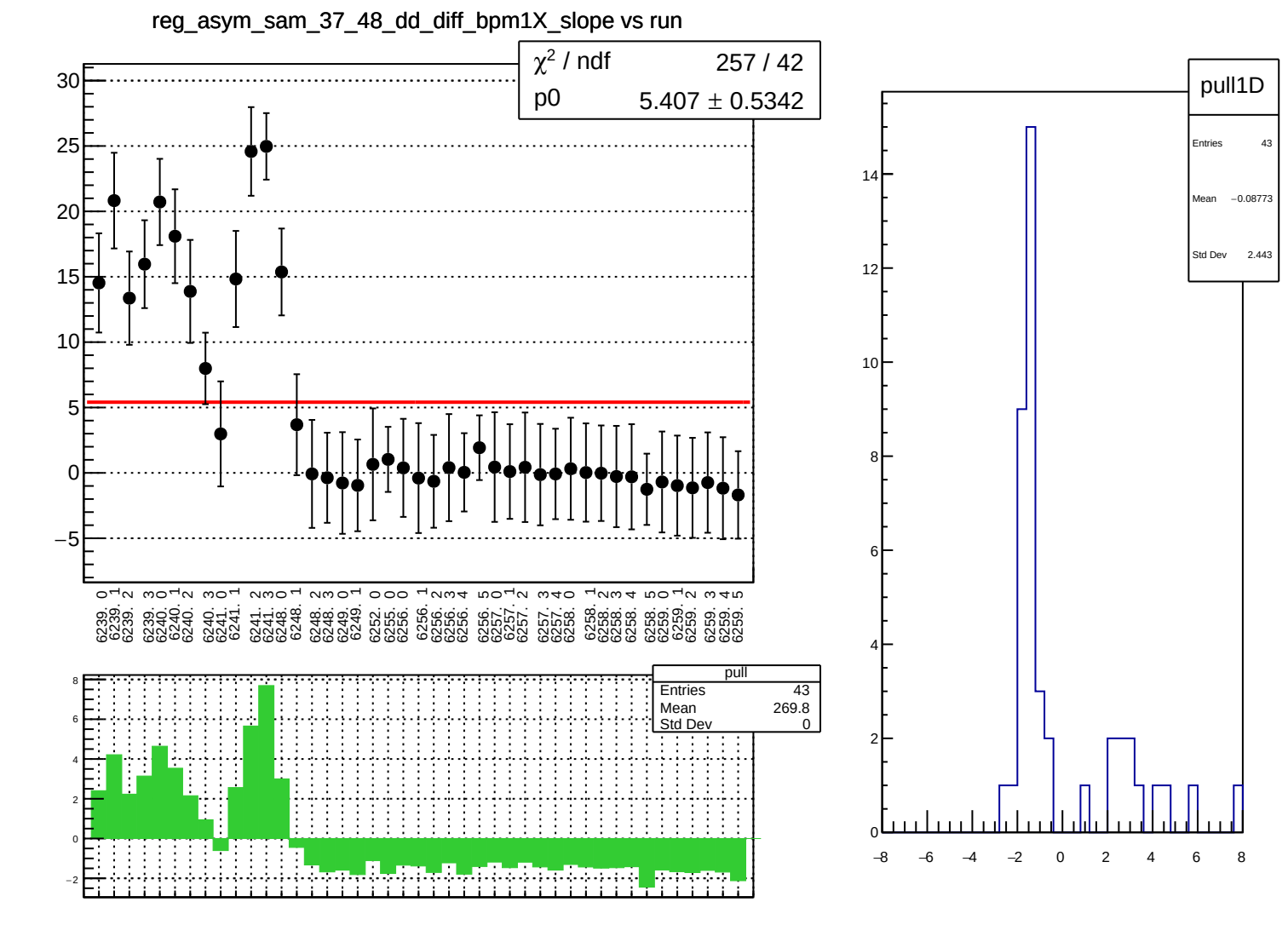

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.64 / 42
p0 4.6 ± 0.8817
pull
Entries 43
Mean 150.3
Std Dev 0

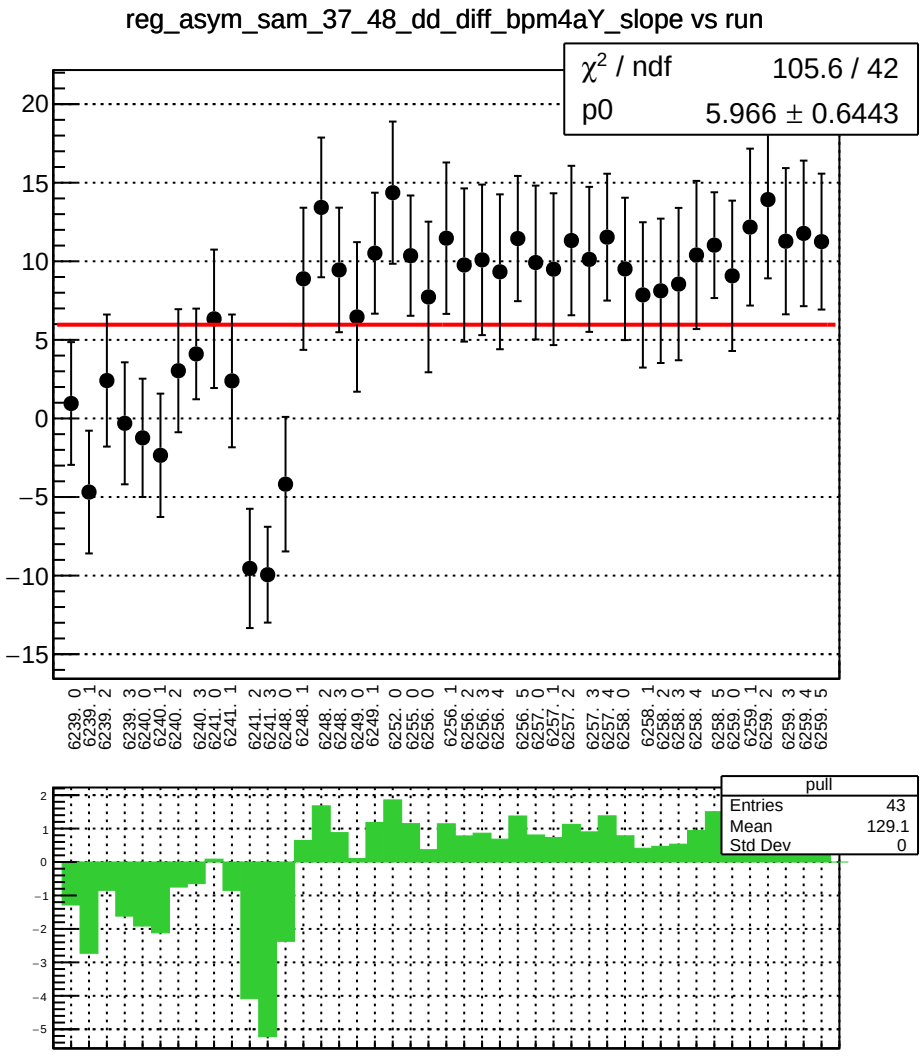

pull1D
Entries 43
Mean 0.08345
Std Dev 1.332

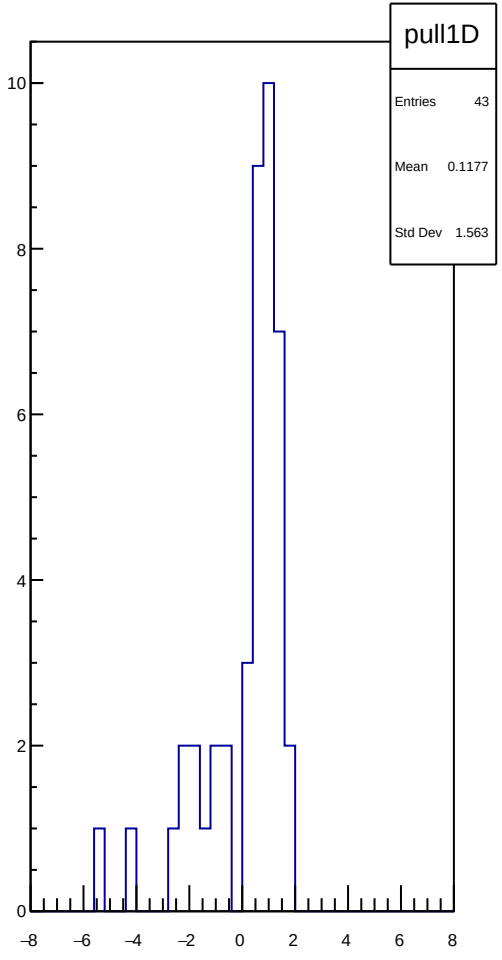

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 195.9 / 42
p0 46.08 ± 0.8894
pull
Entries 43
Mean 264.8
Std Dev 0
pull1D
Entries 43
Mean 0.08006
Std Dev 2.133

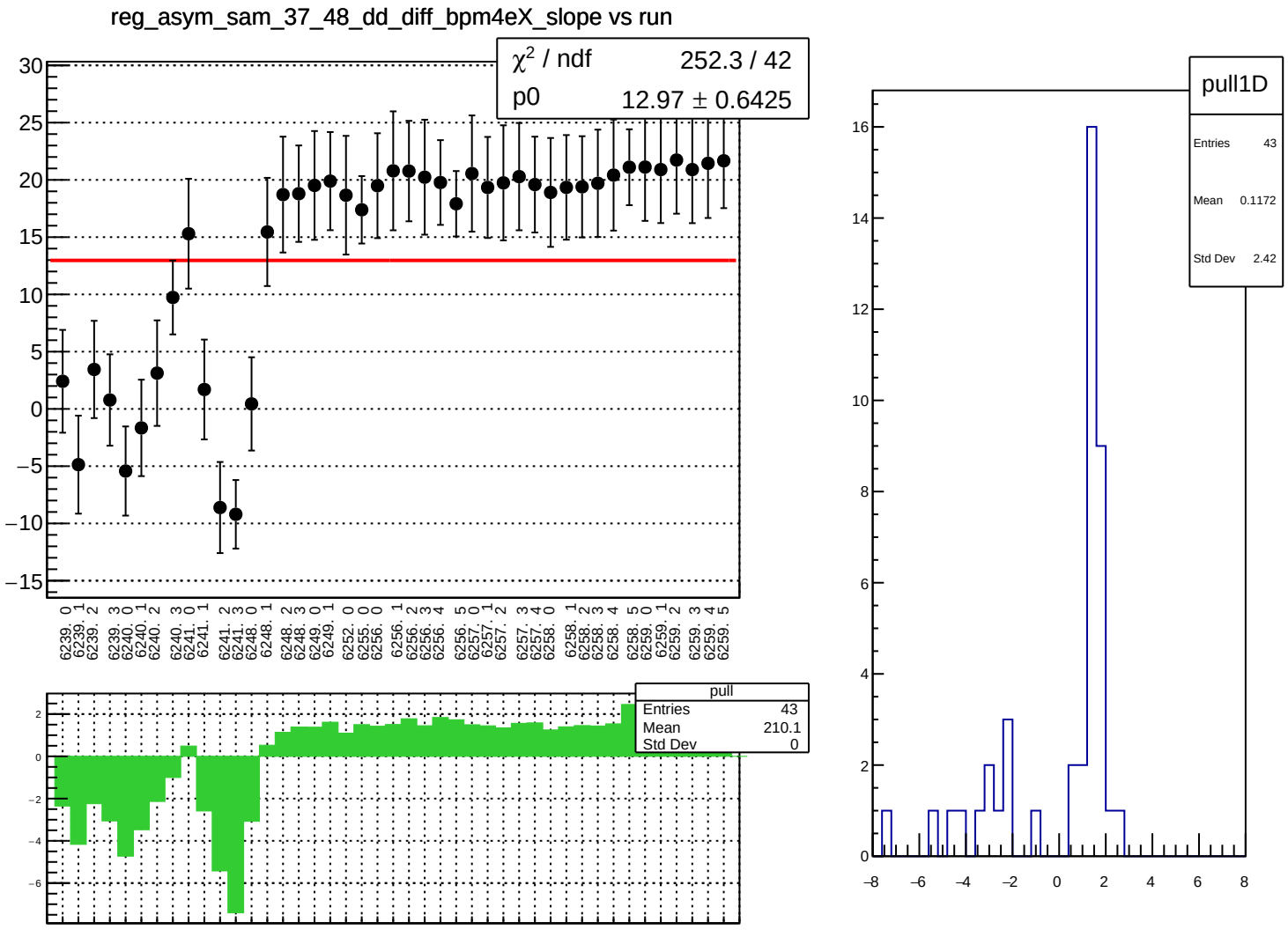

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.4 / 42
p0 −45.86 ± 0.9649
pull
Entries 43
Mean 144.4
Std Dev 0
pull1D
Entries 43
Mean −0.0869
Std Dev 1.286

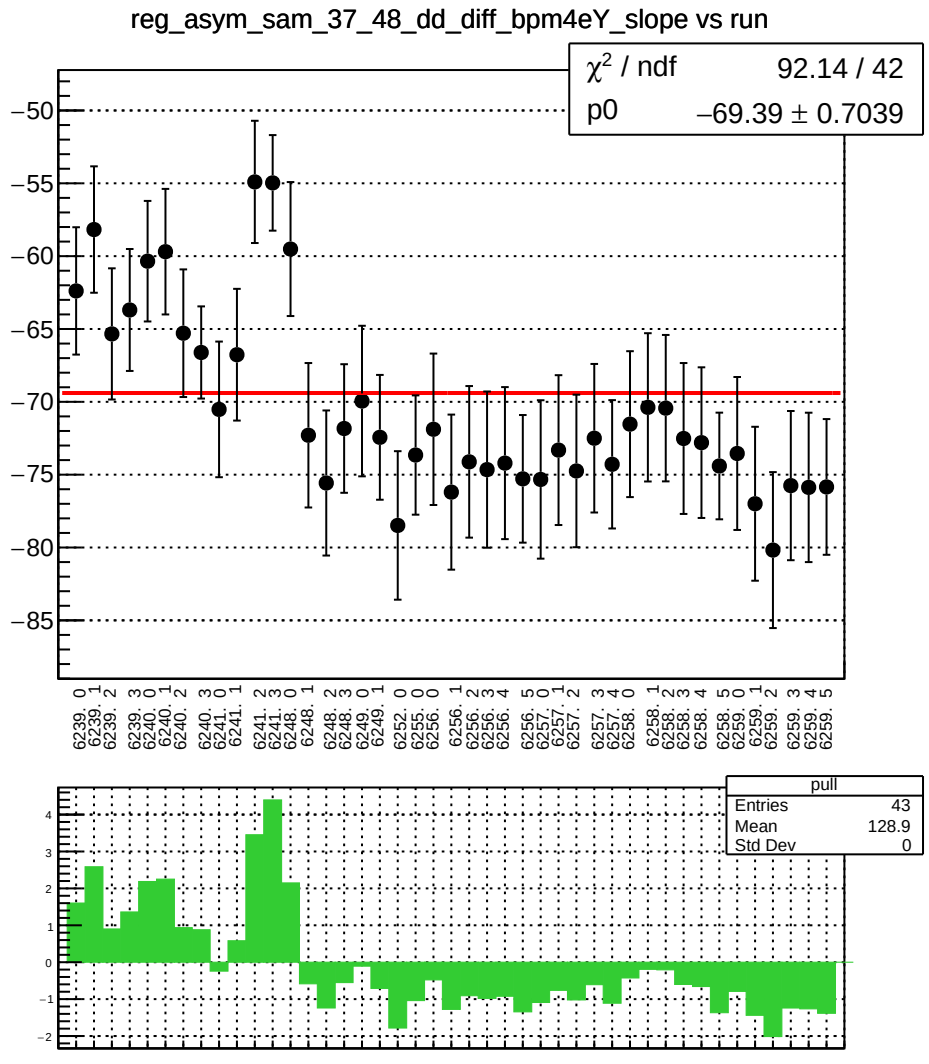

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 78.5 / 42
p0 0.7682 ± 0.07417
pull
Entries 43
Mean −1073
Std Dev 0
pull1D
Entries 43
Mean 0.01107
Std Dev 1.351

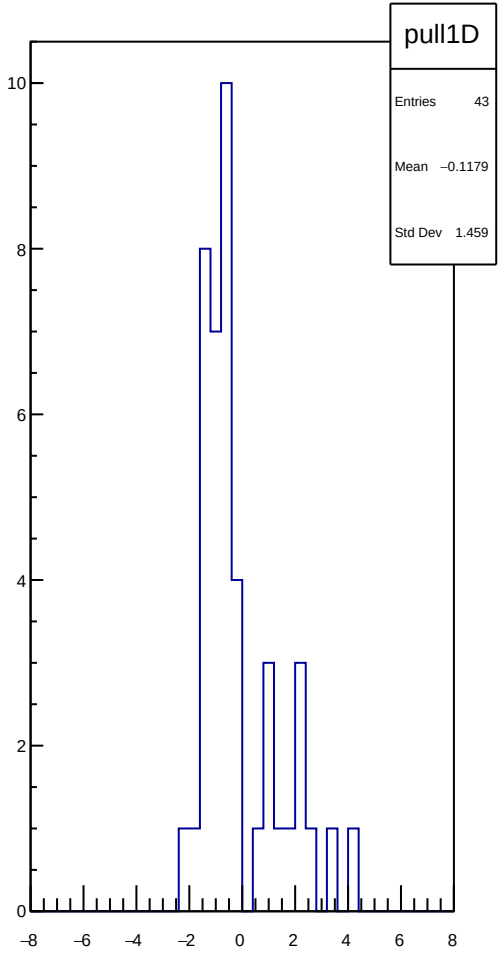

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 257 / 42
p0 5.407 ± 0.5342
pull
Entries 43
Mean 269.8
Std Dev 0
pull1D
Entries 43
Mean −0.08773
Std Dev 2.443

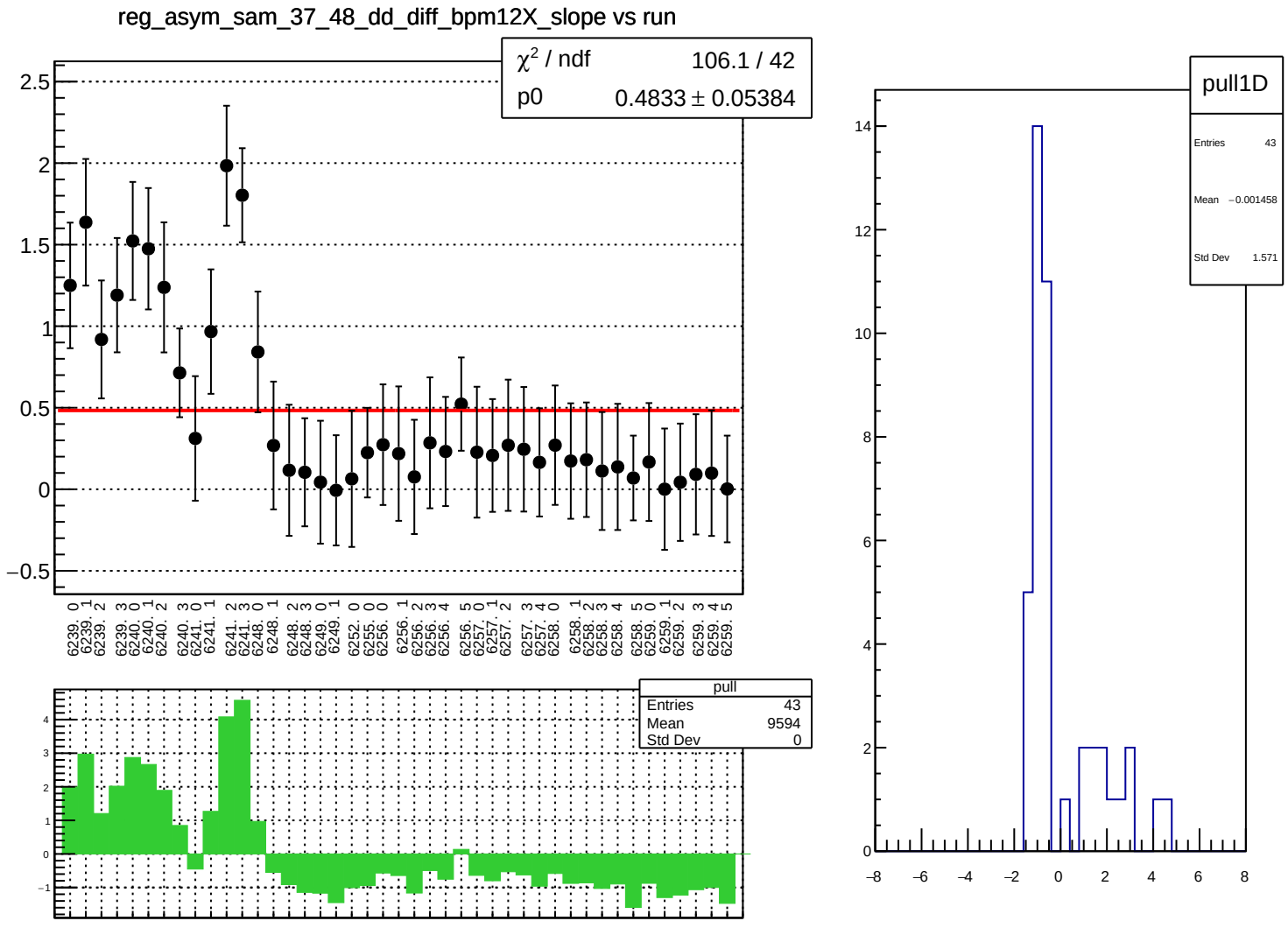

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 105.6 / 42
p0 5.966 ± 0.6443
pull
Entries 43
Mean 129.1
Std Dev 0

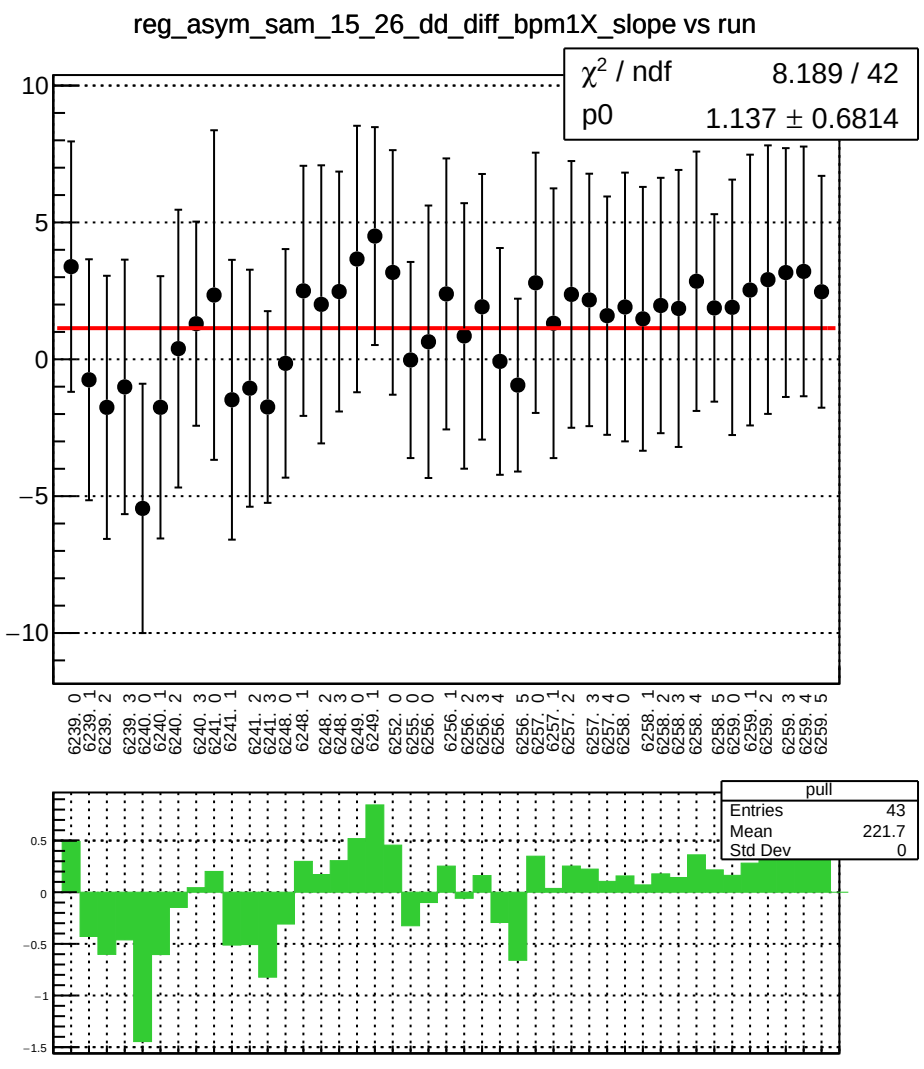

pull1D
Entries 43
Mean 0.1177
Std Dev 1.563

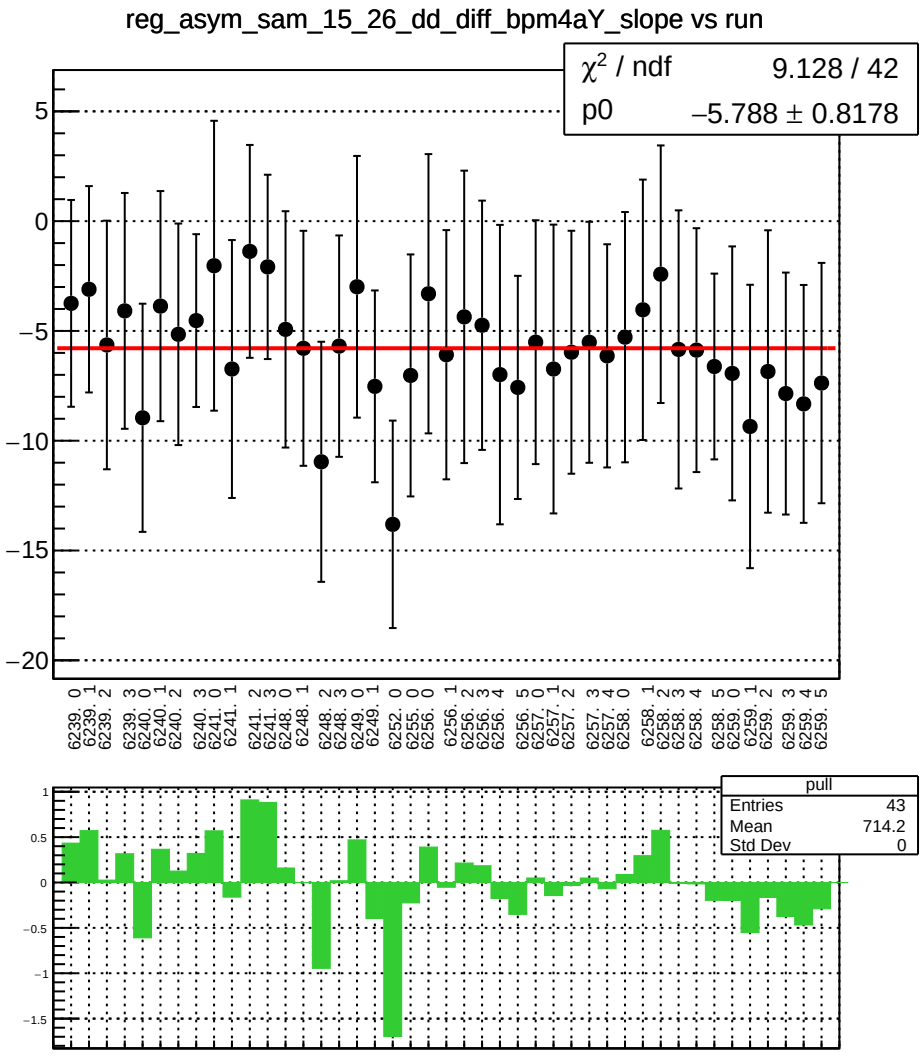

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 252.3 / 42
p0 12.97 ± 0.6425
pull
Entries 43
Mean 210.1
Std Dev 0
pull1D
Entries 43
Mean 0.1172
Std Dev 2.42

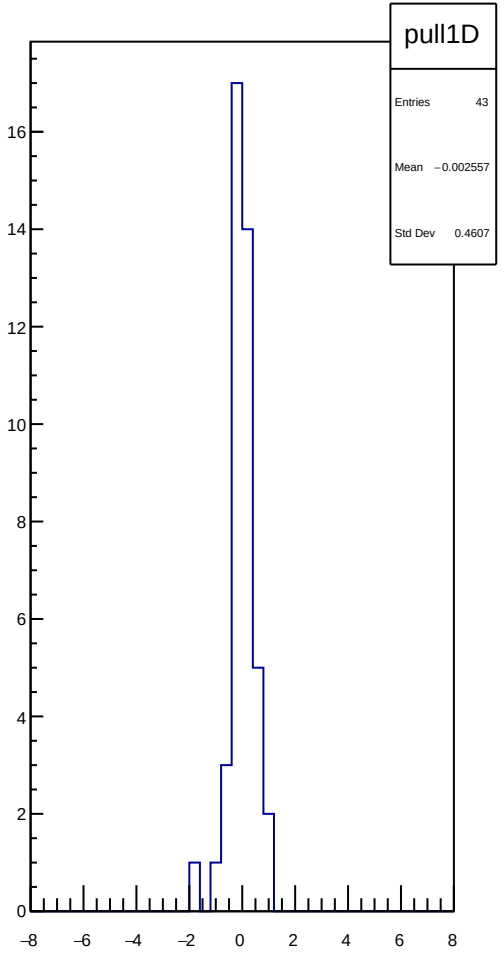

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.14 / 42
p0 −69.39 ± 0.7039
pull
Entries 43
Mean 128.9
Std Dev 0

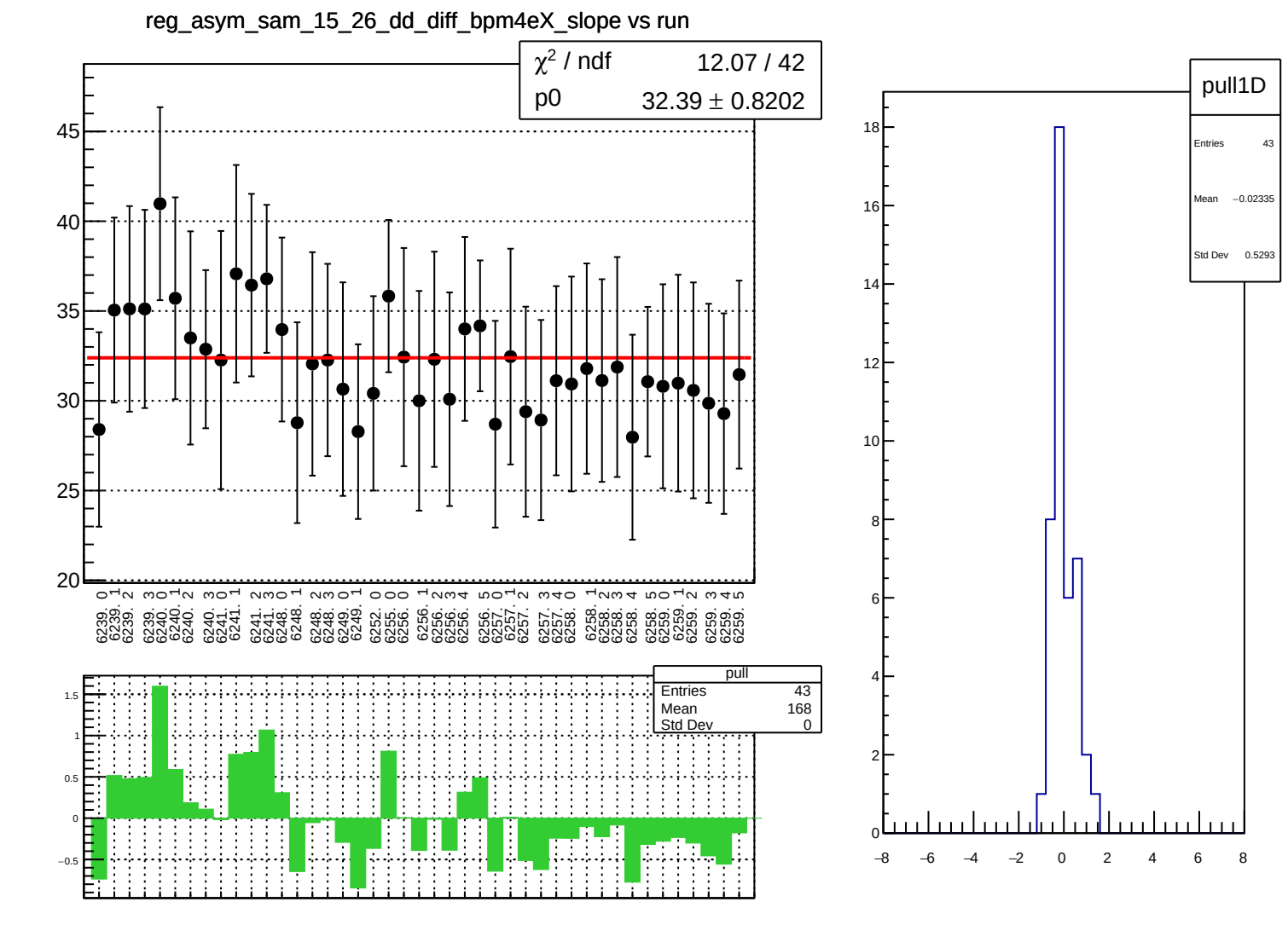

pull1D
Entries 43
Mean −0.1179
Std Dev 1.459

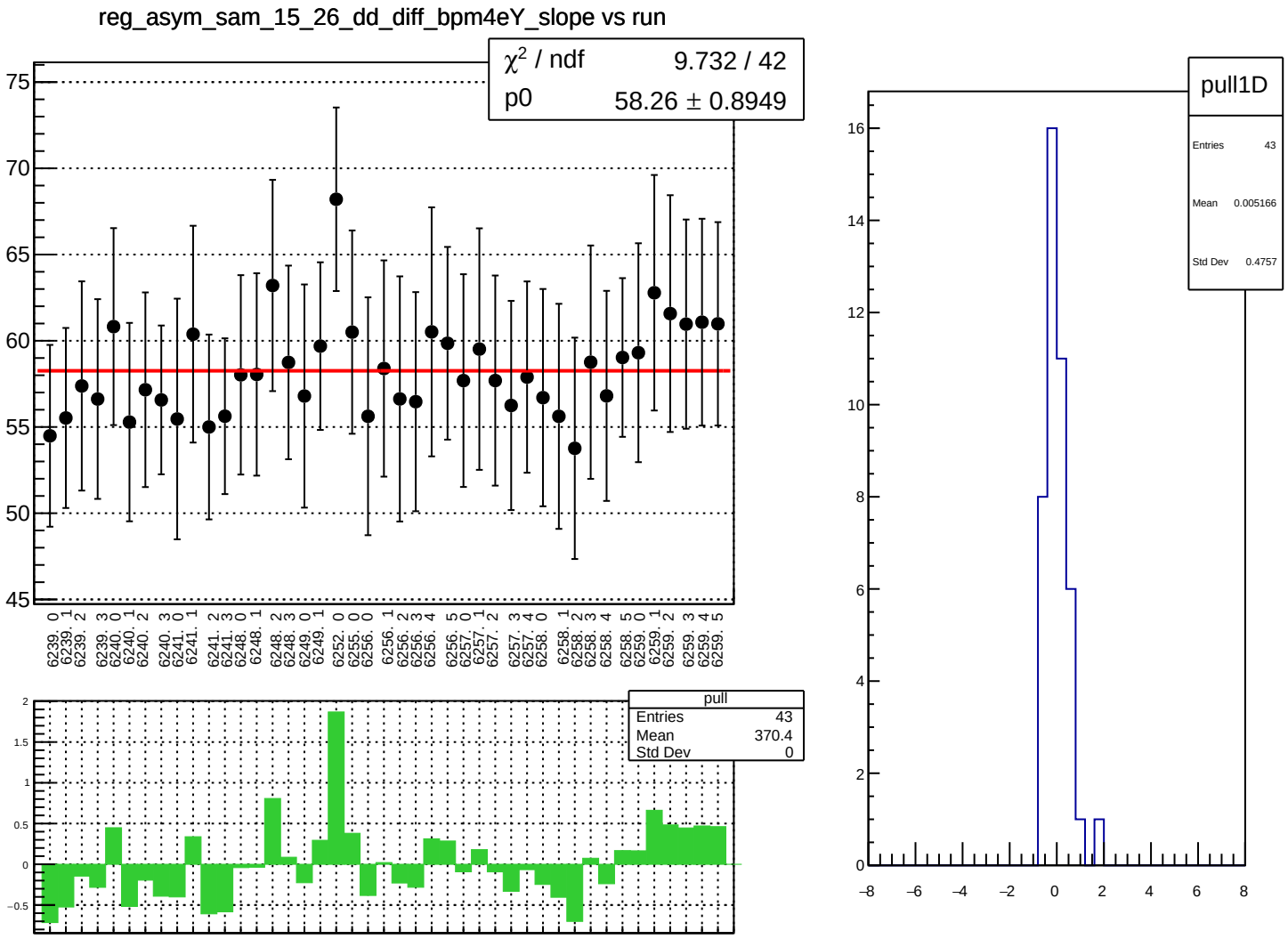

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 106.1 / 42
p0 0.4833 ± 0.05384
2.5
2
1.5
1
0.5
0
−0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 9594
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 43
Mean −0.001458
Std Dev 1.571
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

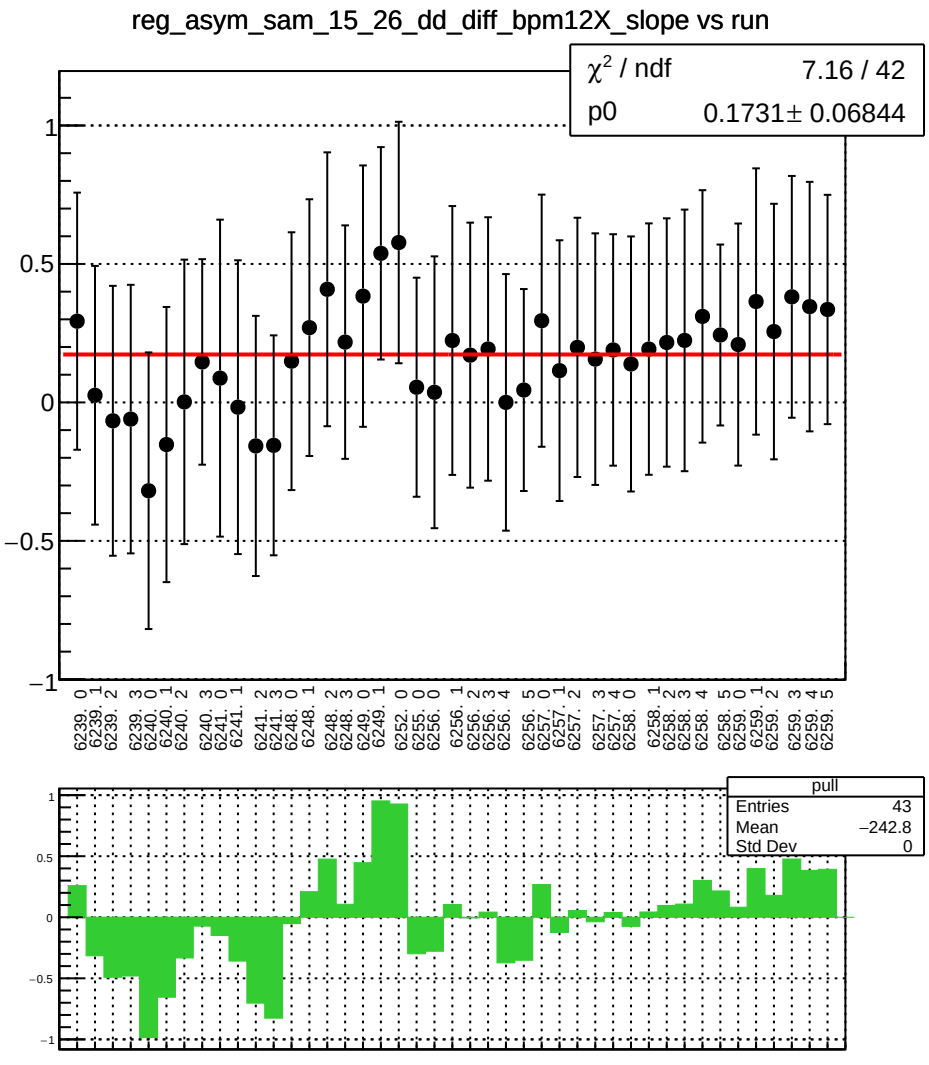

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.189 / 42
p0 1.137 ± 0.6814
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 221.7
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01369
Std Dev 0.4362
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

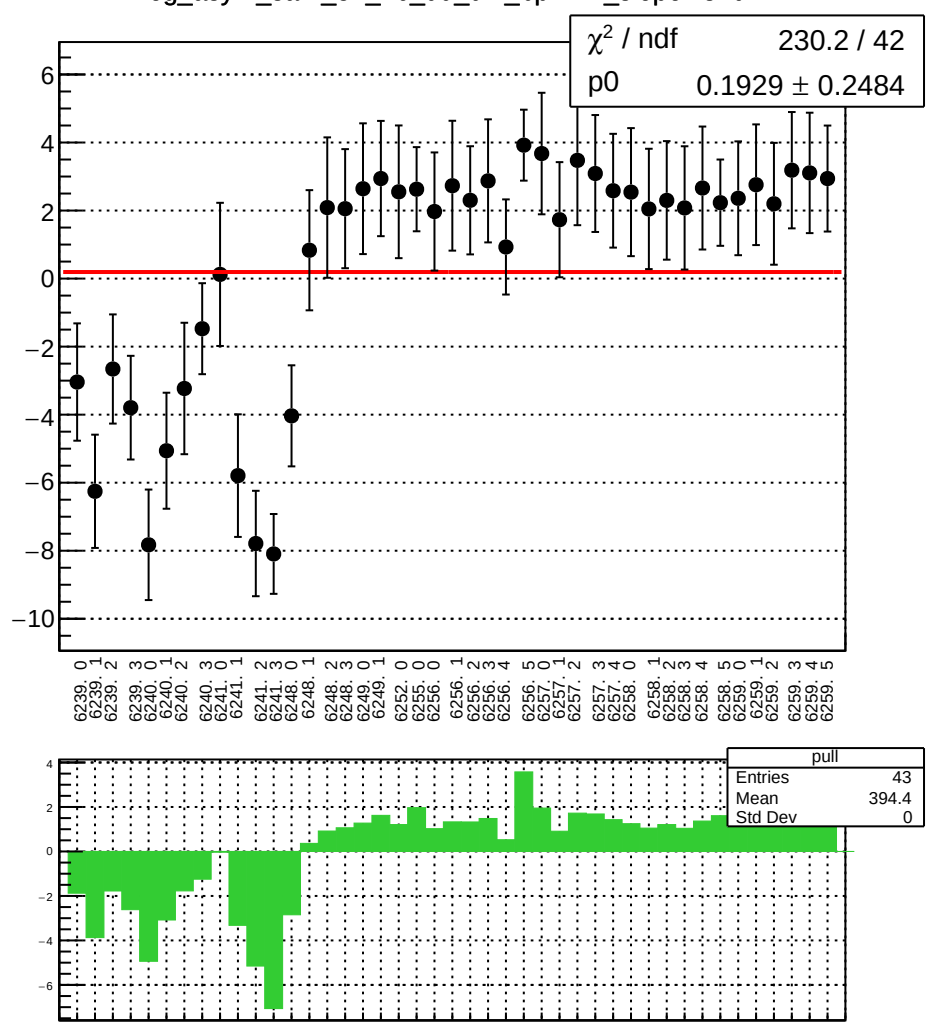

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.128 / 42
p0 −5.788 ± 0.8178
pull
Entries 43
Mean 714.2
Std Dev 0

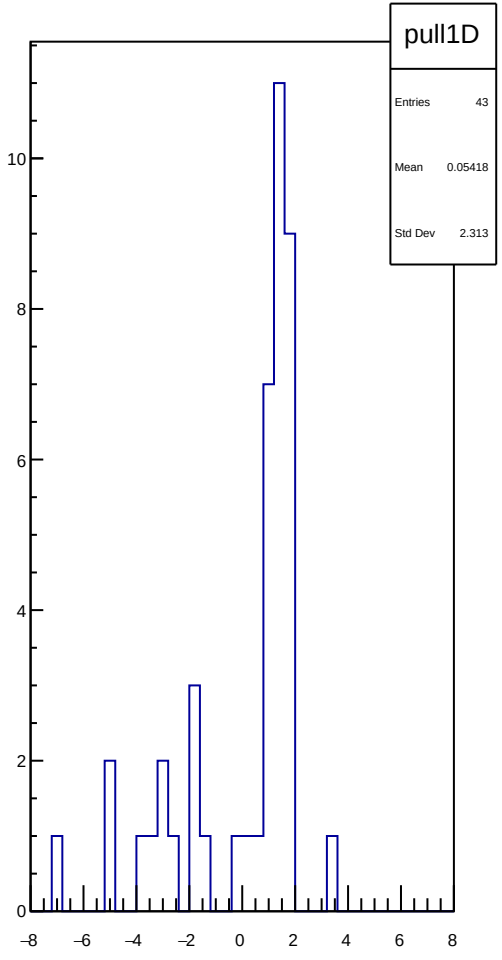

pull1D
Entries 43
Mean −0.002557
Std Dev 0.4607

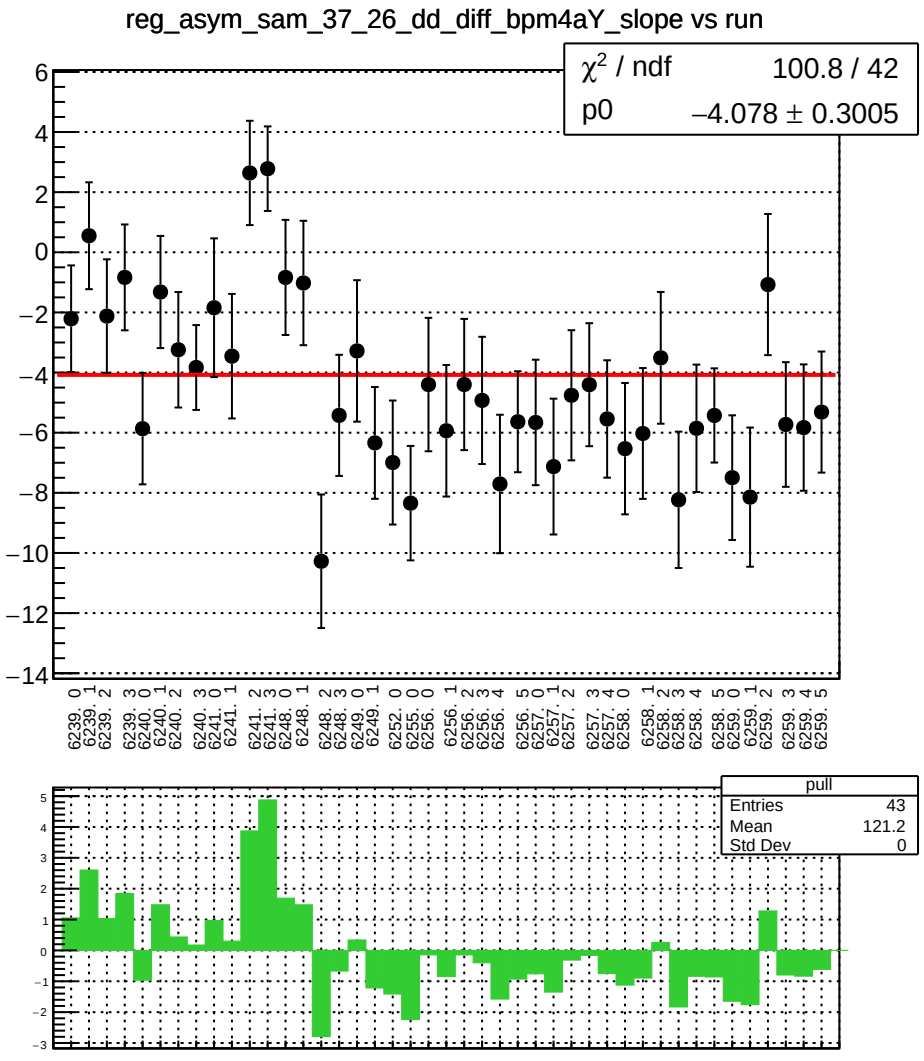

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.07 / 42
p0 32.39 ± 0.8202
pull
Entries 43
Mean 168
Std Dev 0
pull1D
Entries 43
Mean −0.02335
Std Dev 0.5293

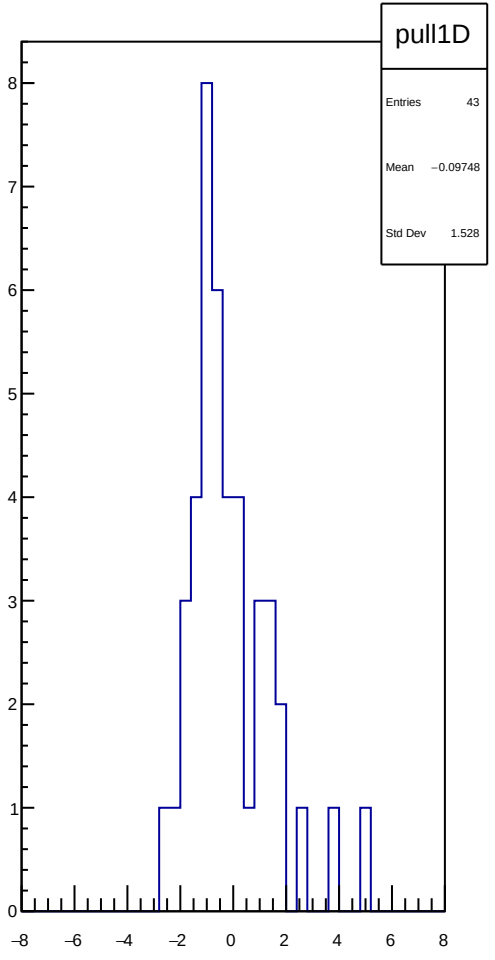

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.732 / 42
p0 58.26 ± 0.8949
pull
Entries 43
Mean 370.4
Std Dev 0
pull1D
Entries 43
Mean 0.005166
Std Dev 0.4757

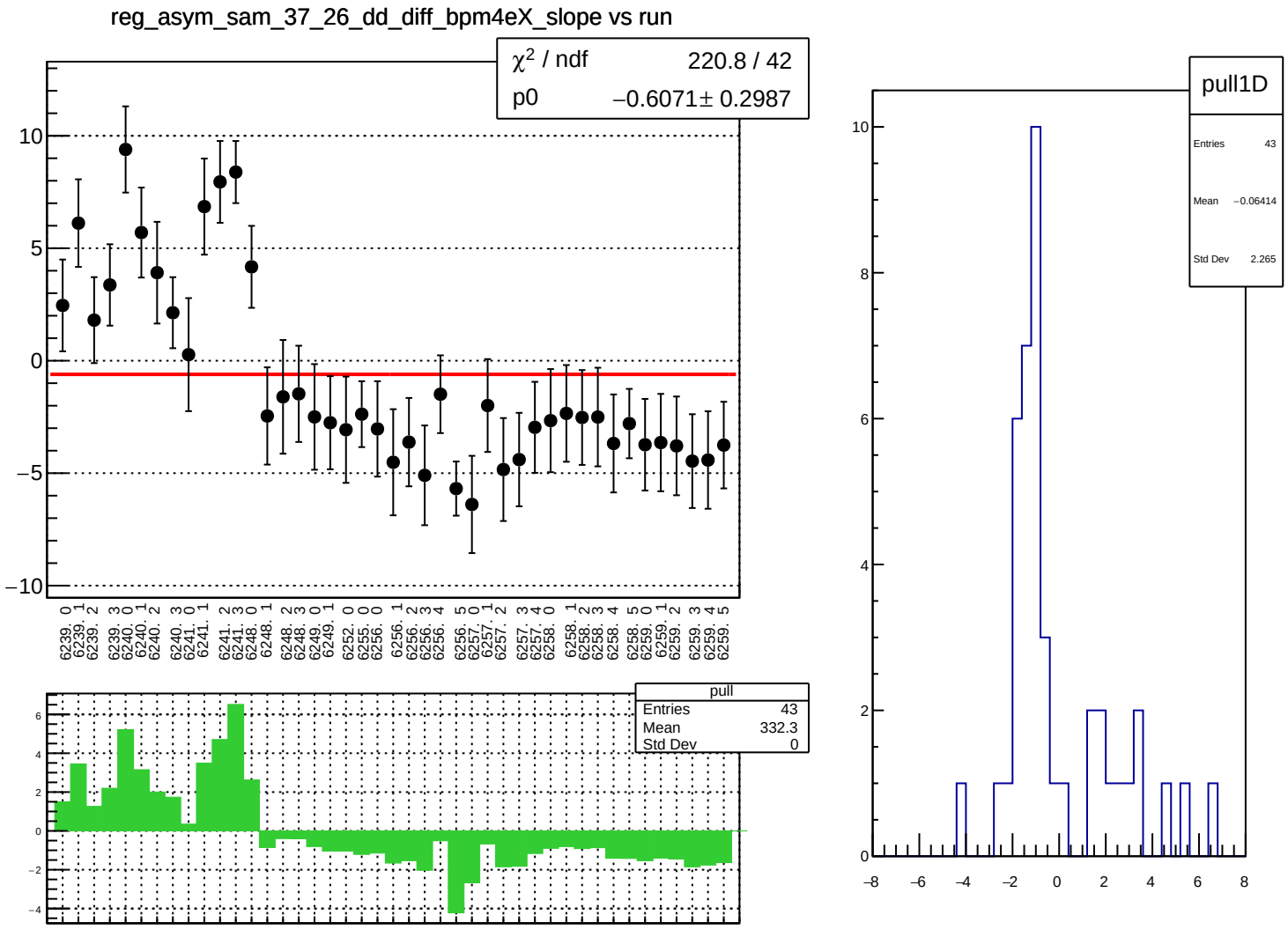

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.16 / 42
p0 0.1731± 0.06844
pull
Entries 43
Mean −242.8
Std Dev 0
pull1D
Entries 43
Mean −0.00931
Std Dev 0.408

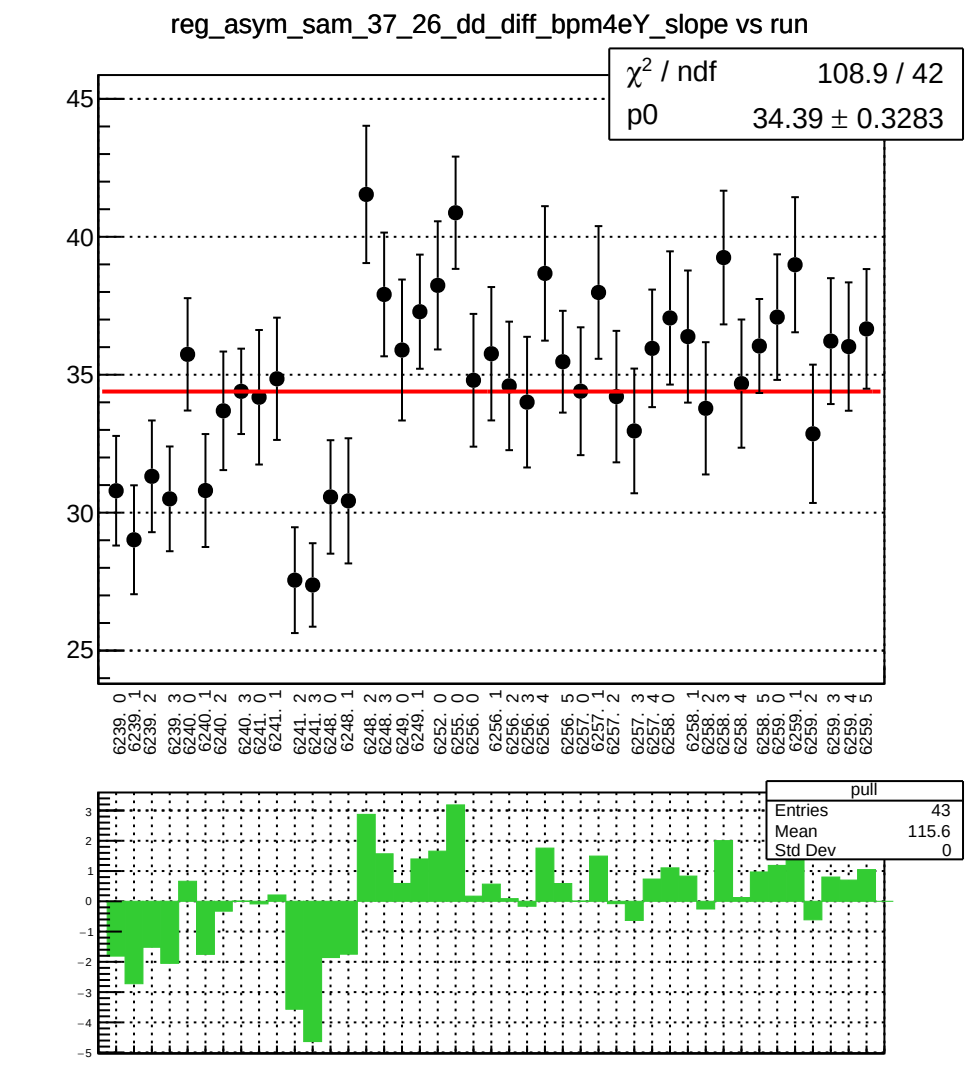

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 230.2 / 42
p0 0.1929 ± 0.2484
pull
Entries 43
Mean 394.4
Std Dev 0

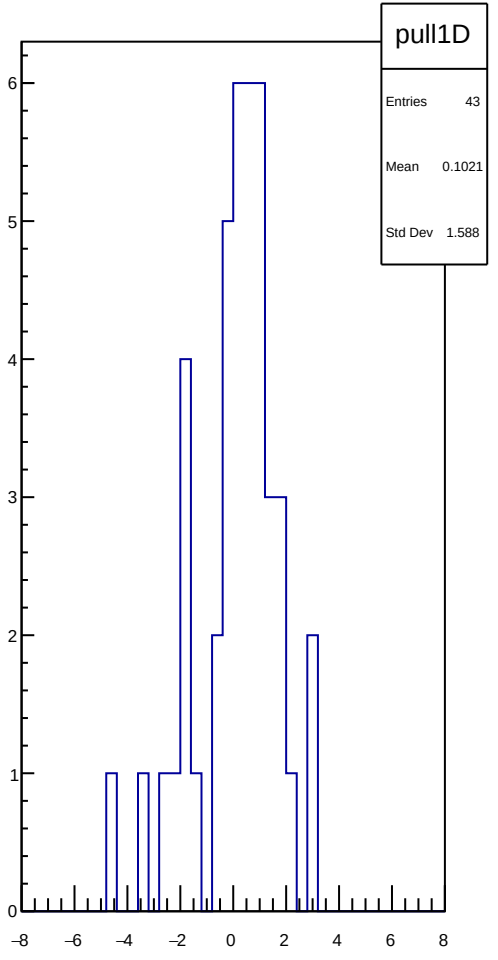

pull1D
Entries 43
Mean 0.05418
Std Dev 2.313

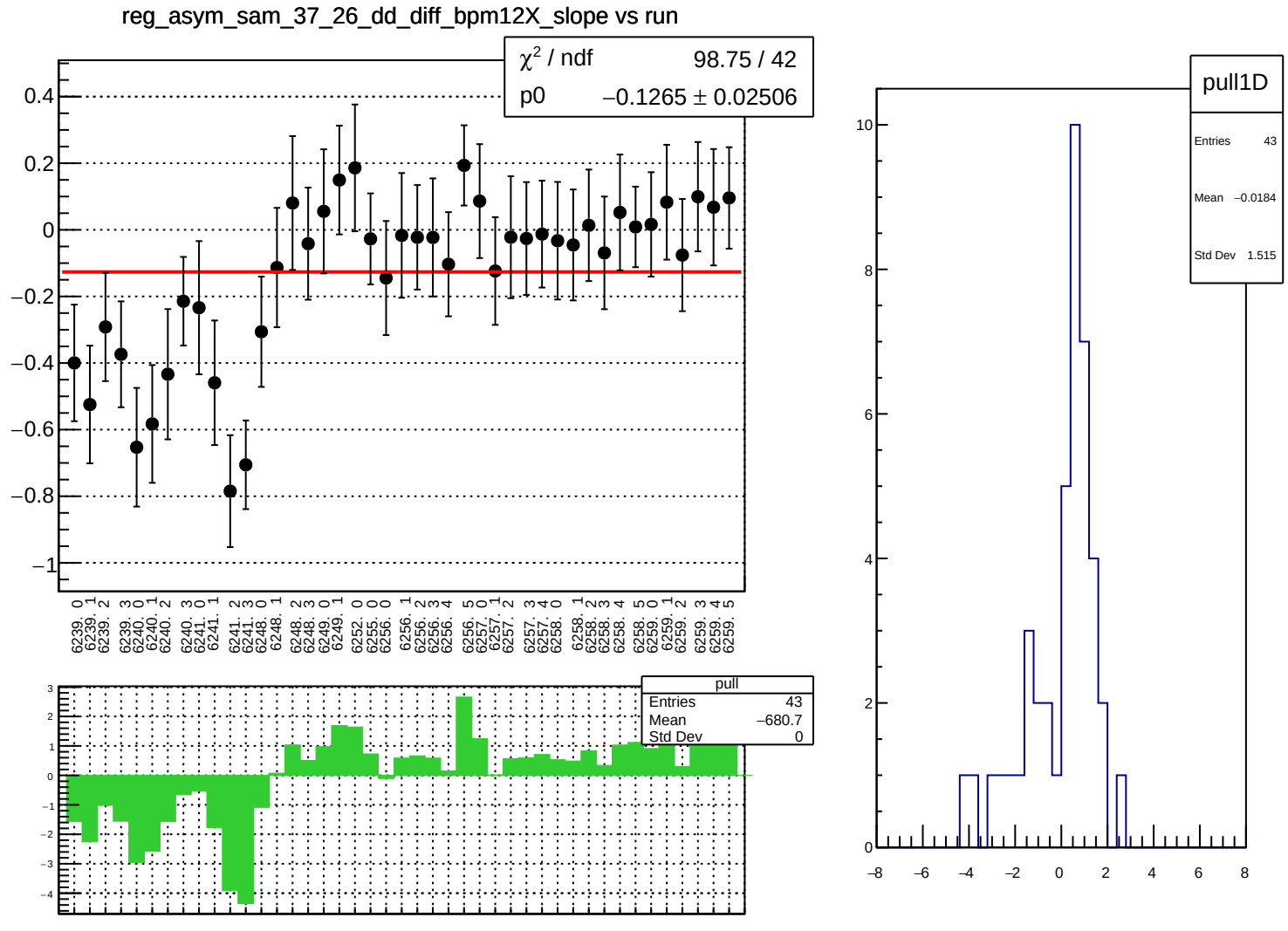

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 42
p0 −4.078 ± 0.3005
pull
Entries 43
Mean 121.2
Std Dev 0

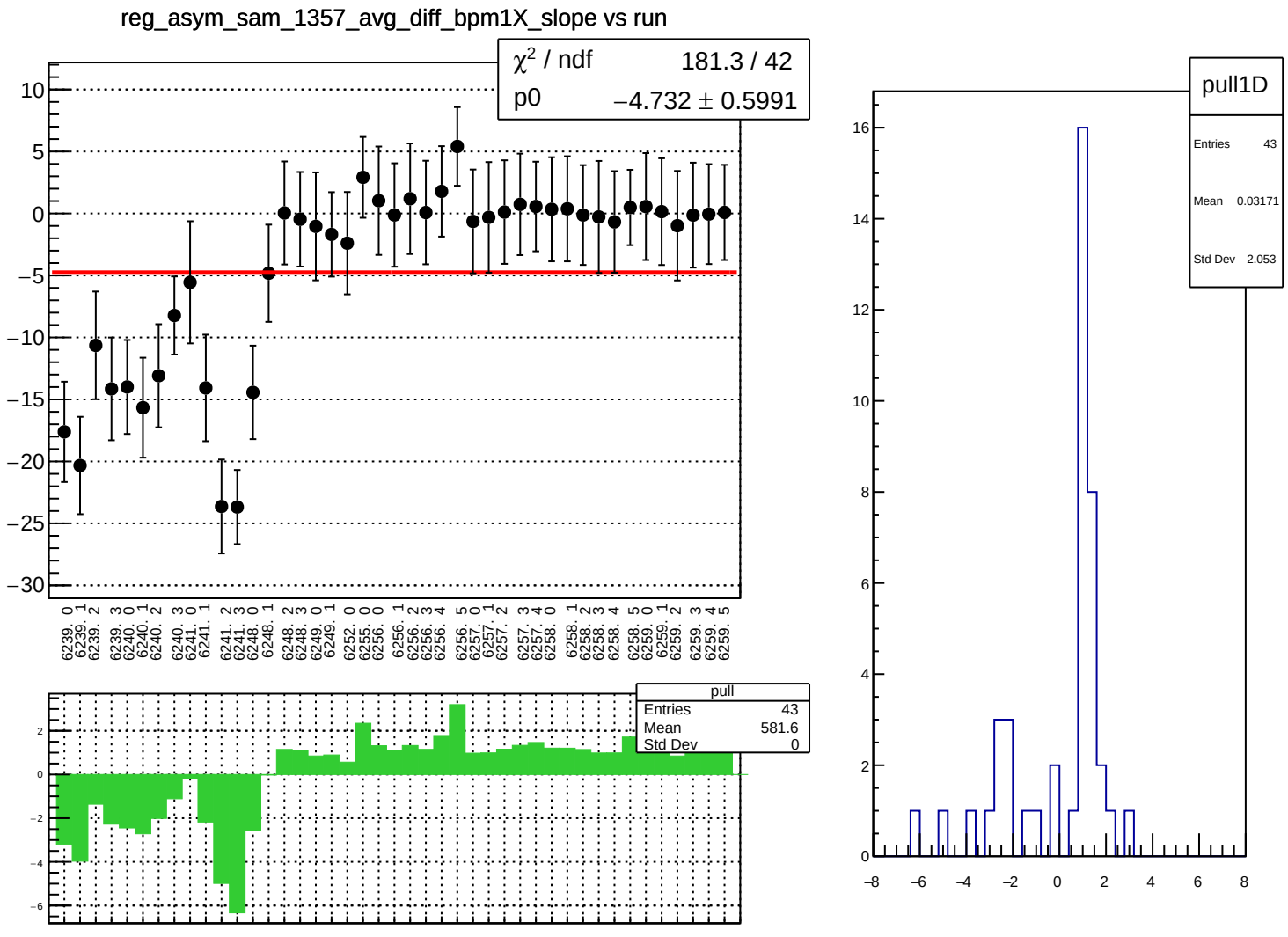

pull1D
Entries 43
Mean −0.09748
Std Dev 1.528

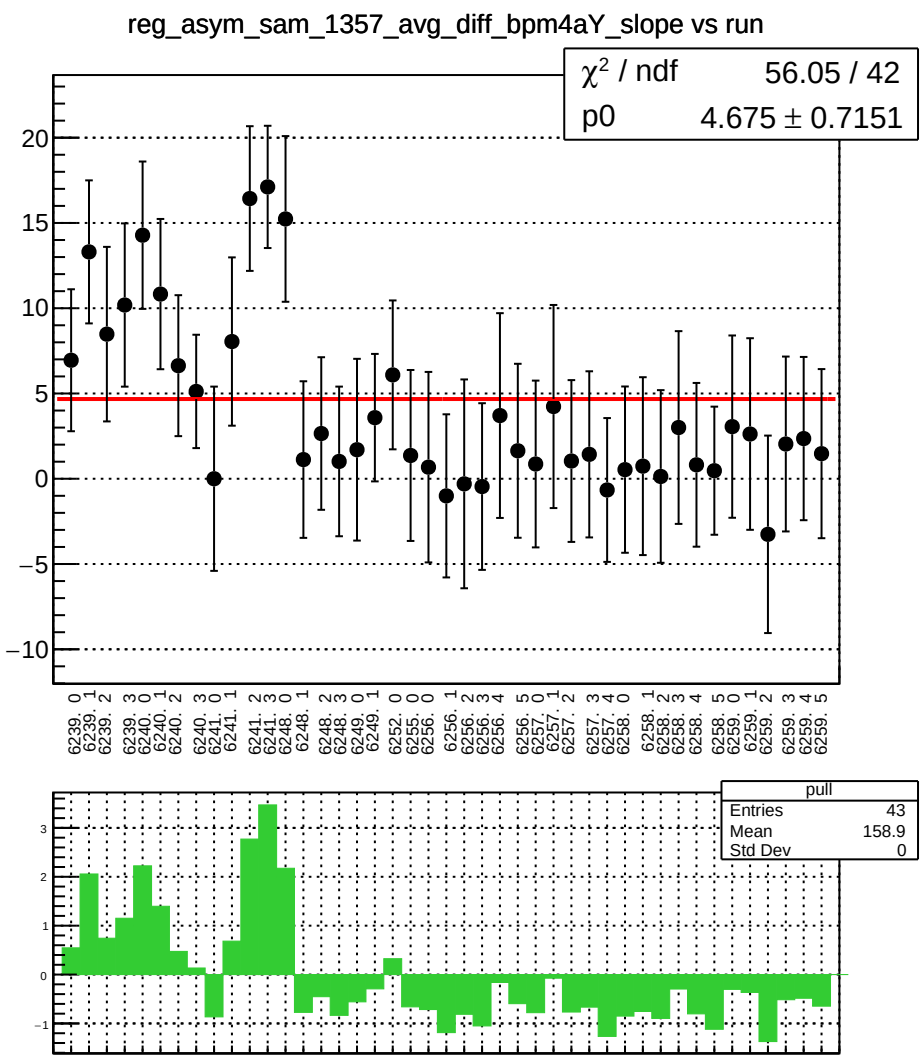

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 220.8 / 42
p0 −0.6071± 0.2987
10
5
0
−5
−10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 332.3
Std Dev 0
6
4
2
0
−2
−4
pull1D
Entries 43
Mean −0.06414
Std Dev 2.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

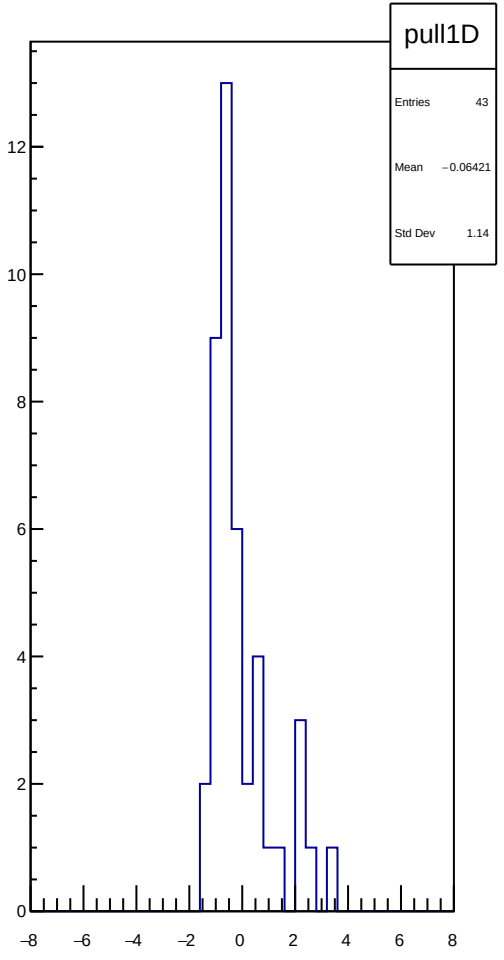

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 108.9 / 42
p0 34.39 ± 0.3283
45
40
35
30
25
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 115.6
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

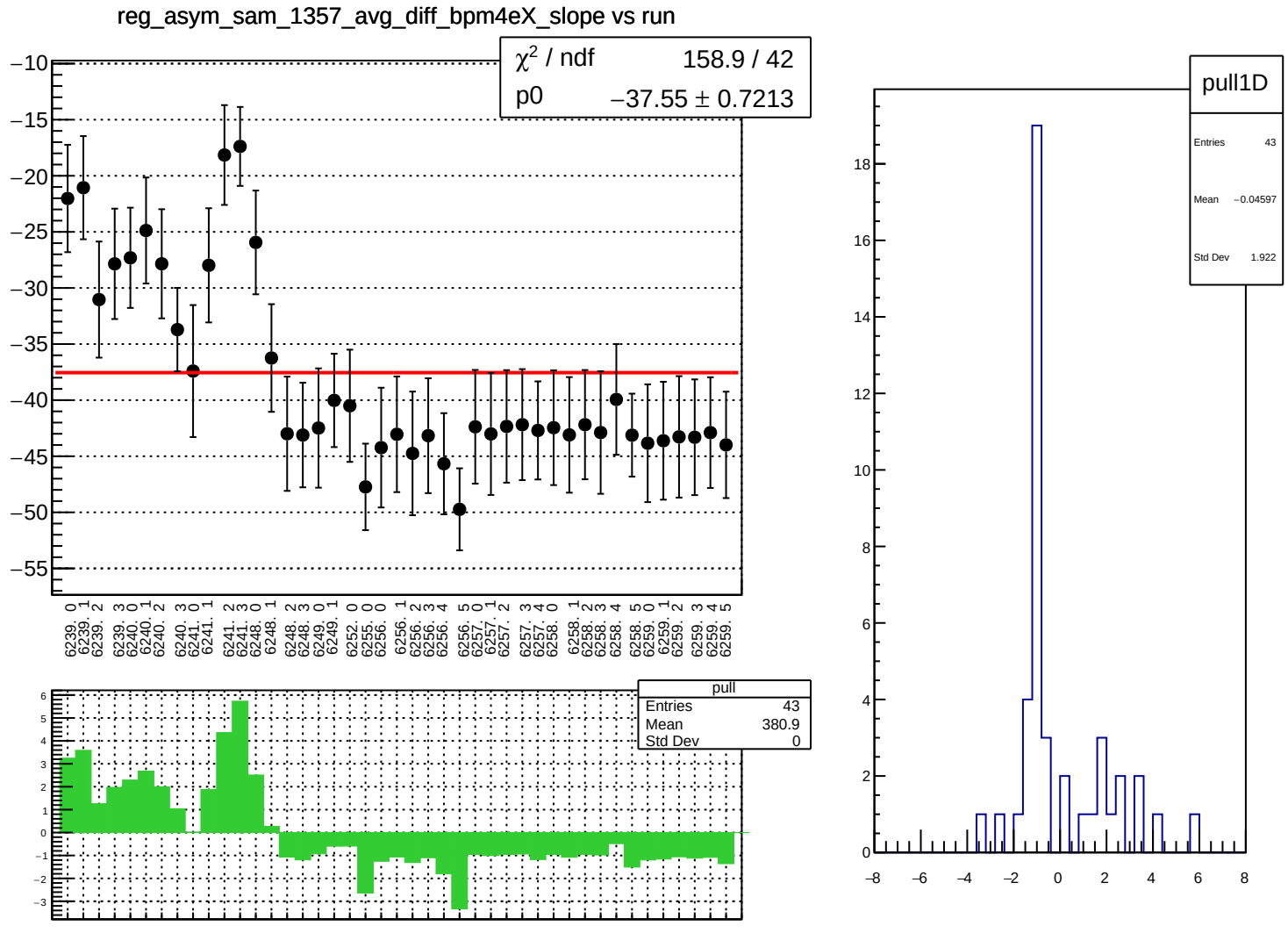

pull1D
Entries 43
Mean 0.1021
Std Dev 1.588
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

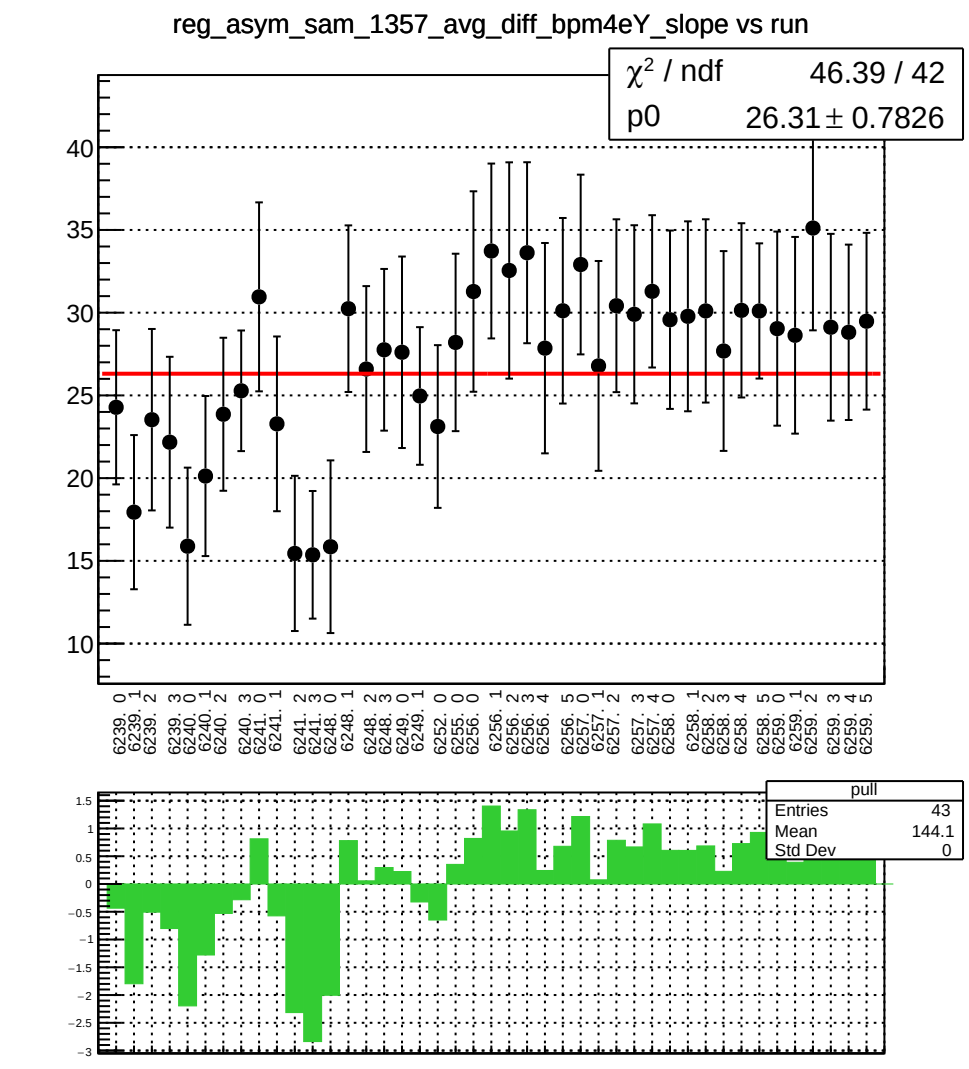

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 98.75 / 42
p0 −0.1265 ± 0.02506
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −680.7
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean −0.0184
Std Dev 1.515
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

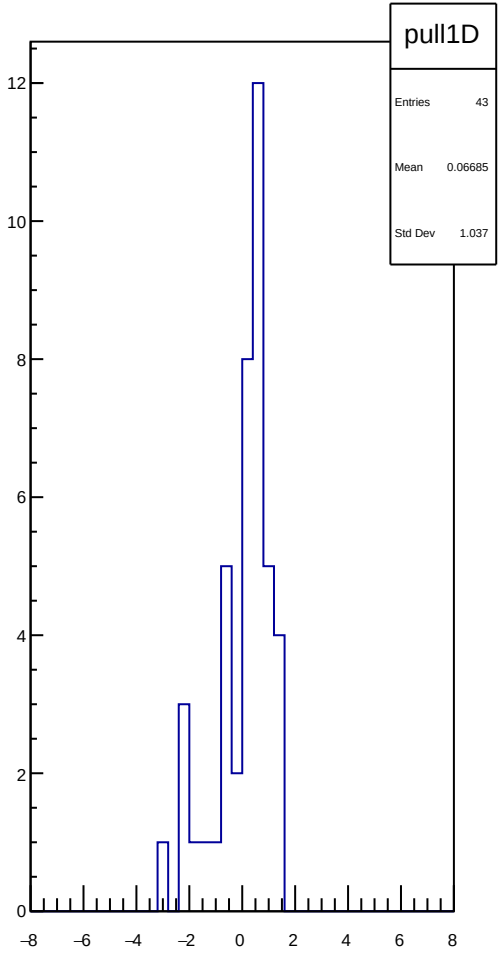

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 181.3 / 42
p0 −4.732 ± 0.5991
pull
Entries 43
Mean 581.6
Std Dev 0
pull1D
Entries 43
Mean 0.03171
Std Dev 2.053

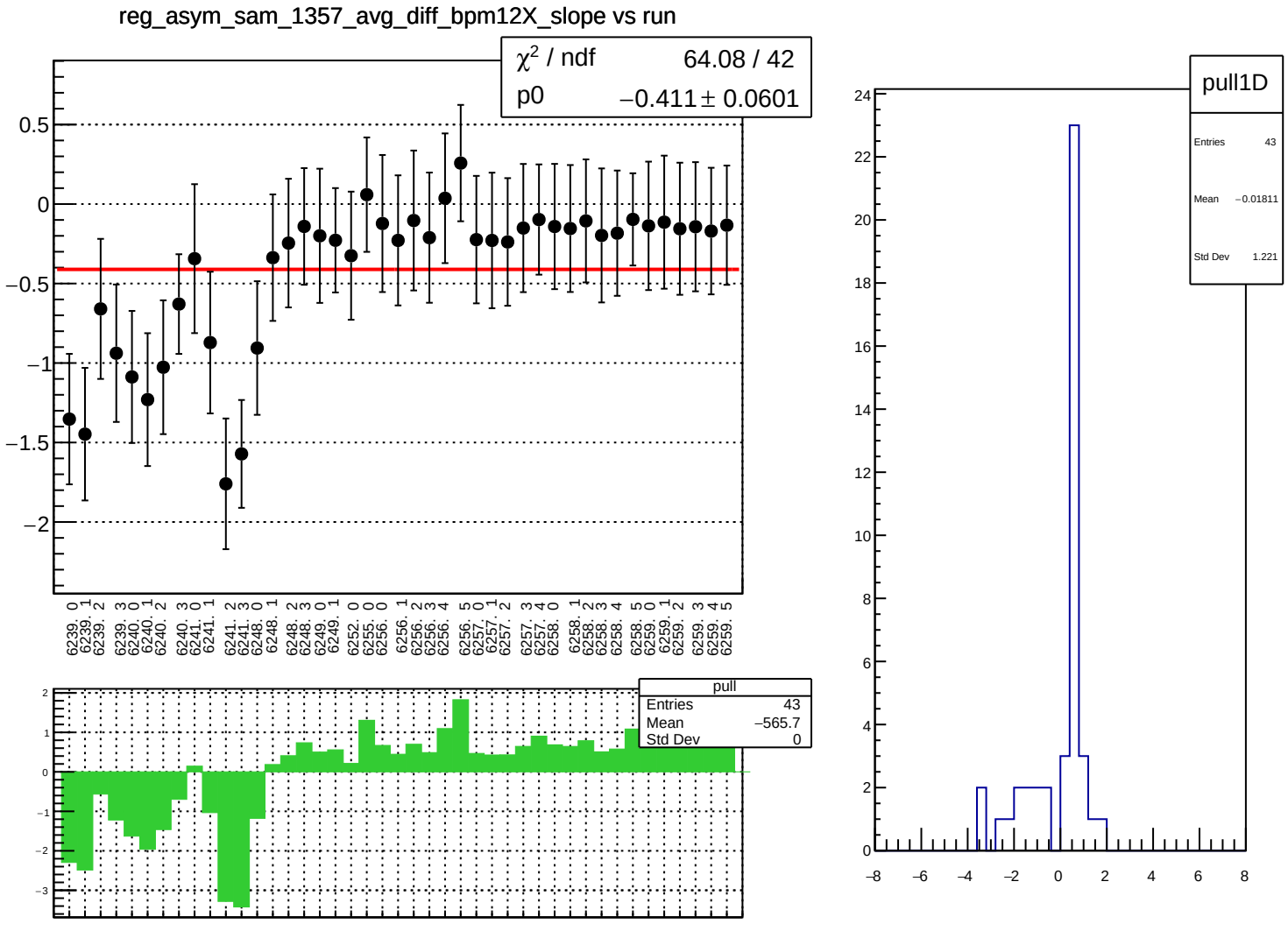

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.05 / 42
p0 4.675 ± 0.7151
pull
Entries 43
Mean 158.9
Std Dev 0

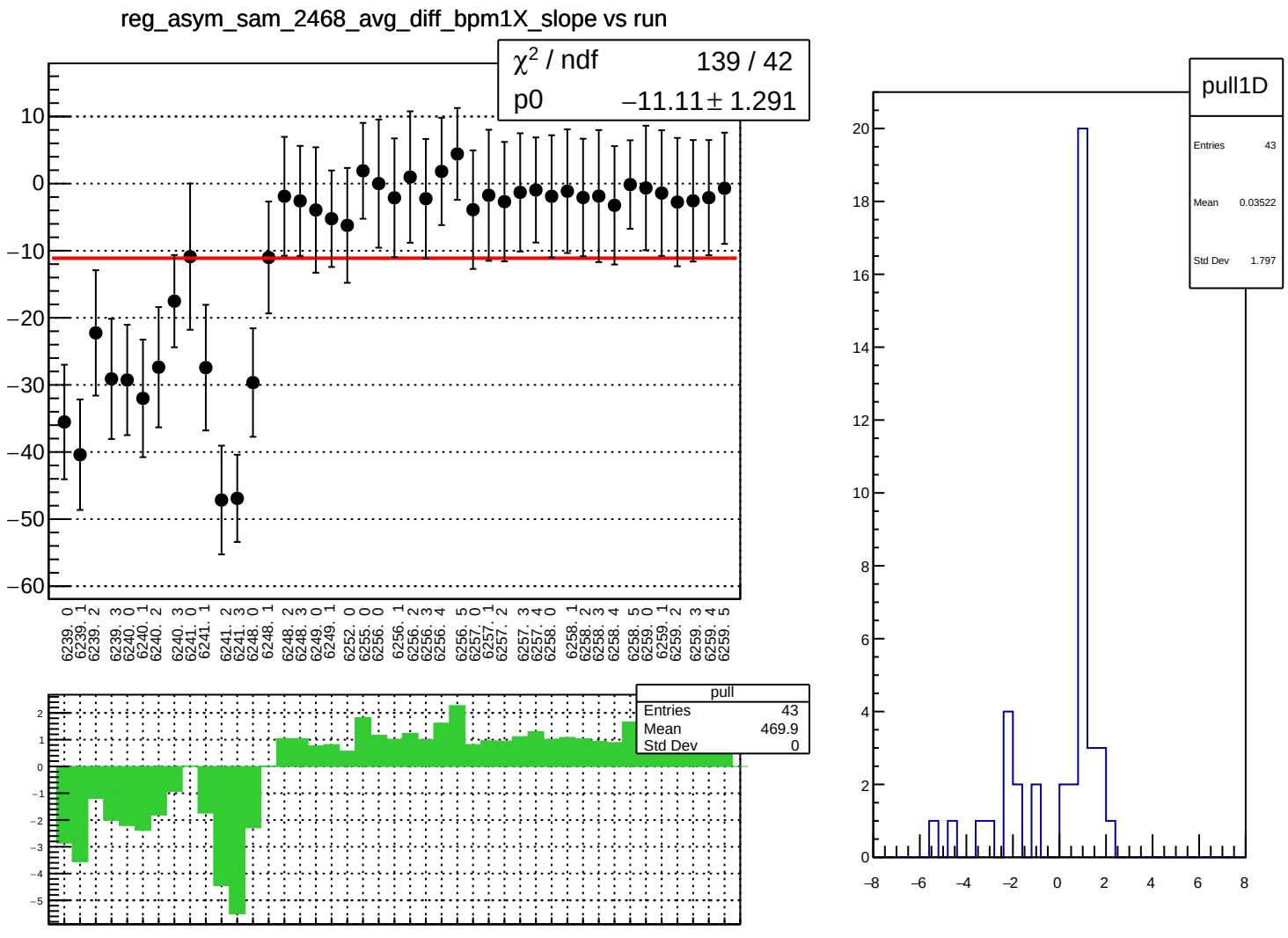

pull1D
Entries 43
Mean −0.06421
Std Dev 1.14

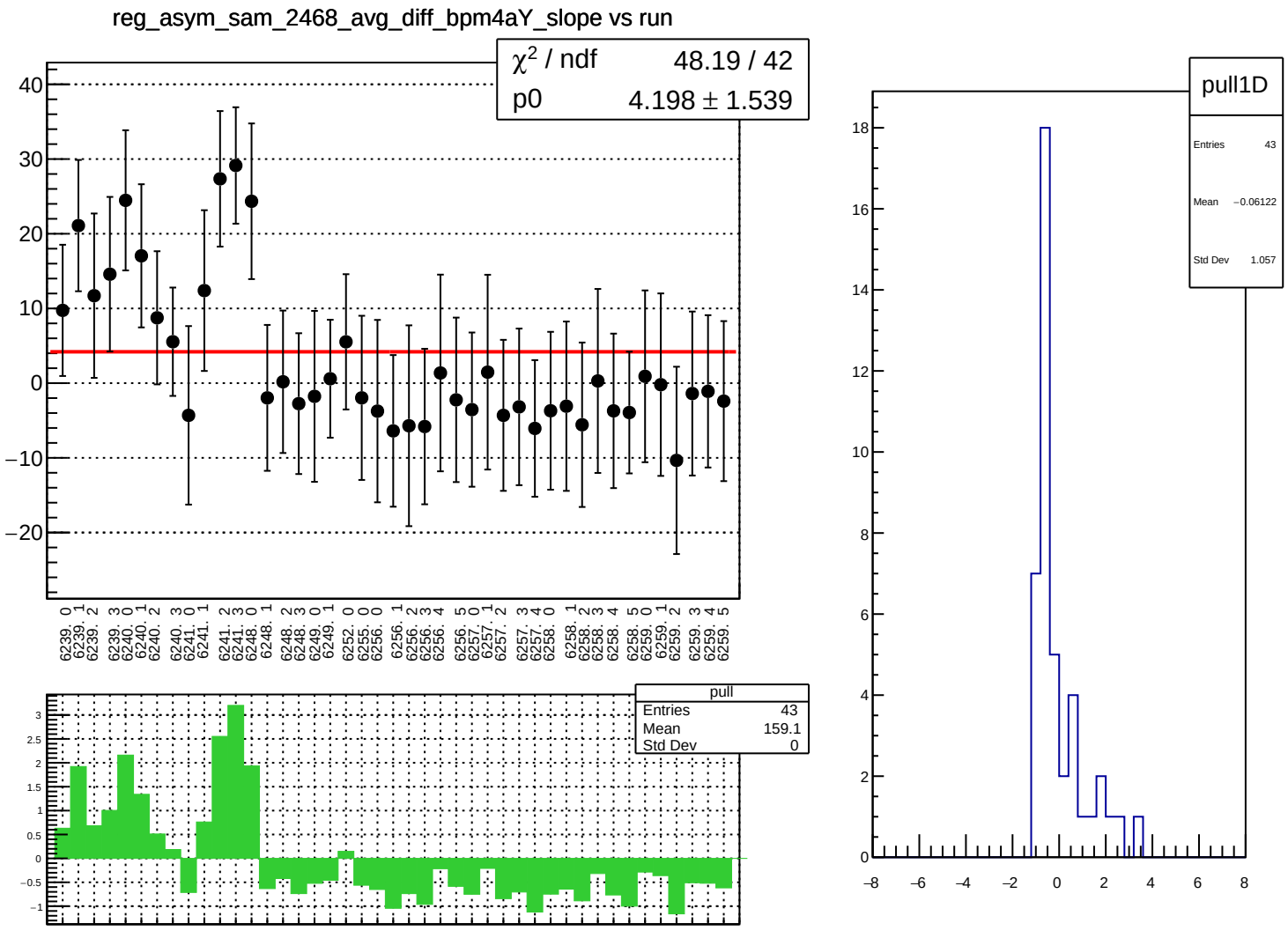

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 158.9 / 42
p0 −37.55 ± 0.7213
pull
Entries 43
Mean 380.9
Std Dev 0
pull1D
Entries 43
Mean −0.04597
Std Dev 1.922

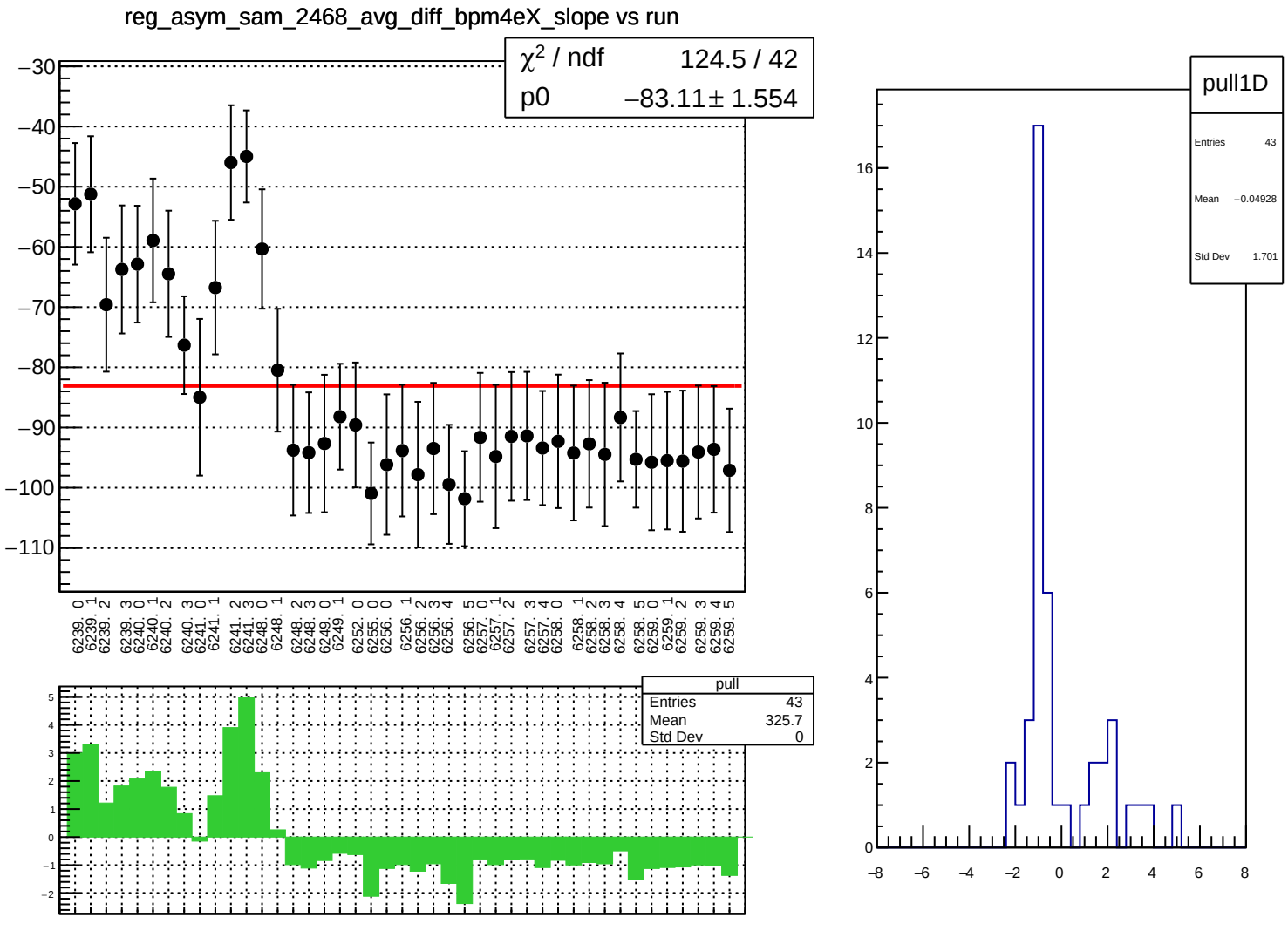

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.39 / 42
p0 26.31 ± 0.7826
40
35
30
25
20
15
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 144.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

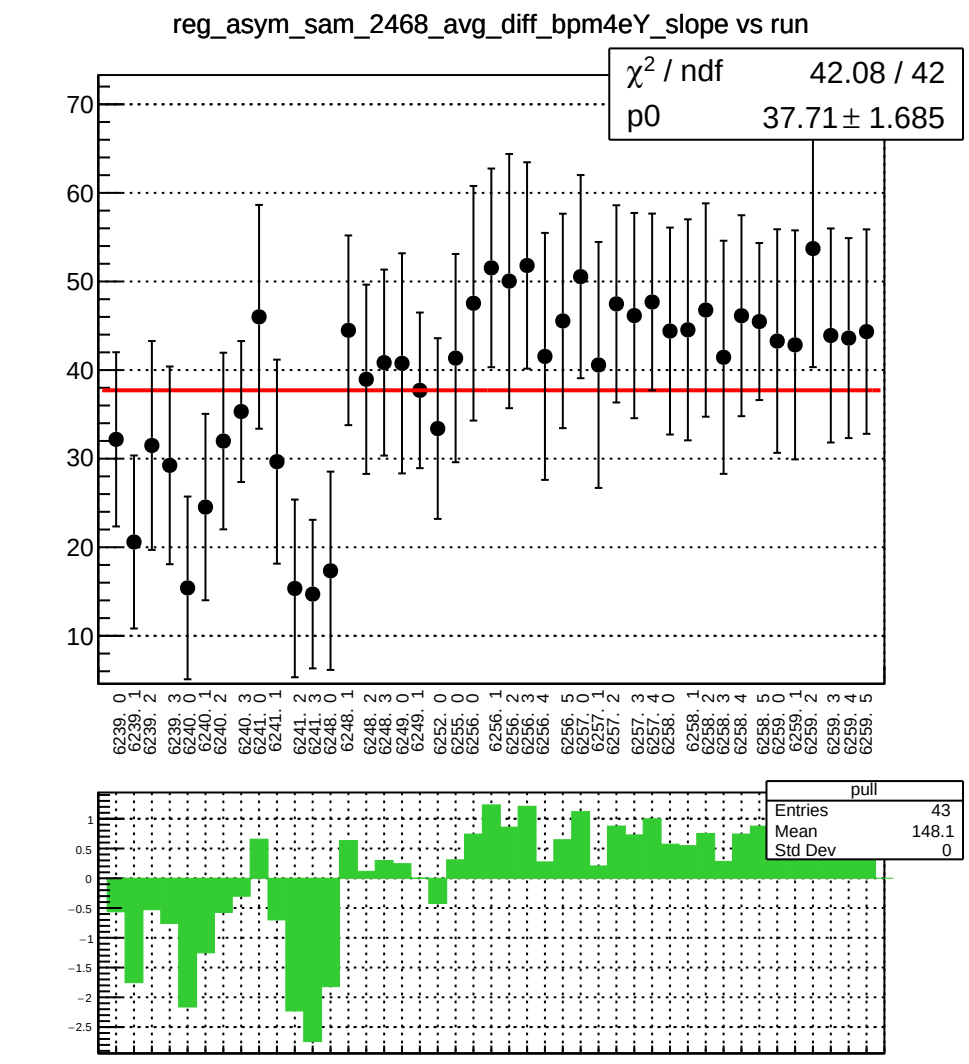

pull1D
Entries 43
Mean 0.06685
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

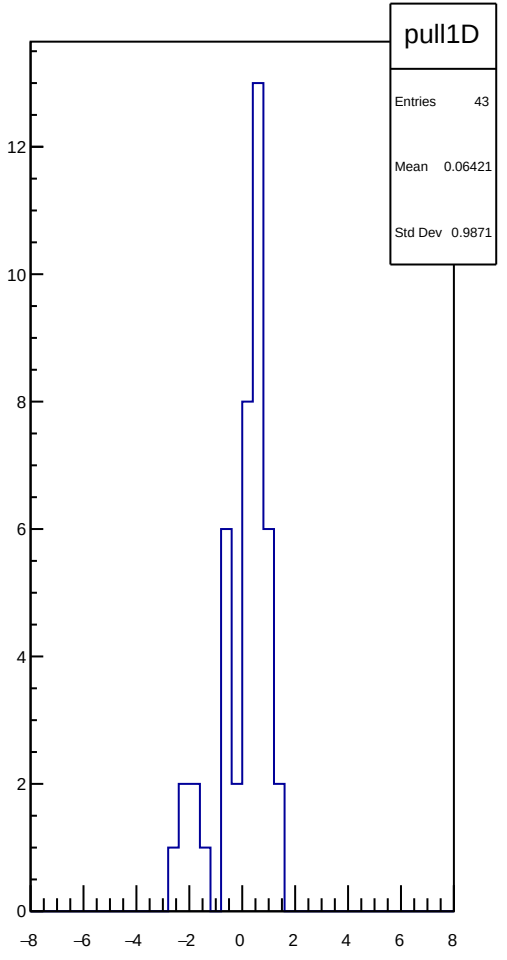

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 64.08 / 42
p0 −0.411 ± 0.0601
0.5
0
−0.5
−1
−1.5
−2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −565.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean −0.01811
Std Dev 1.221
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

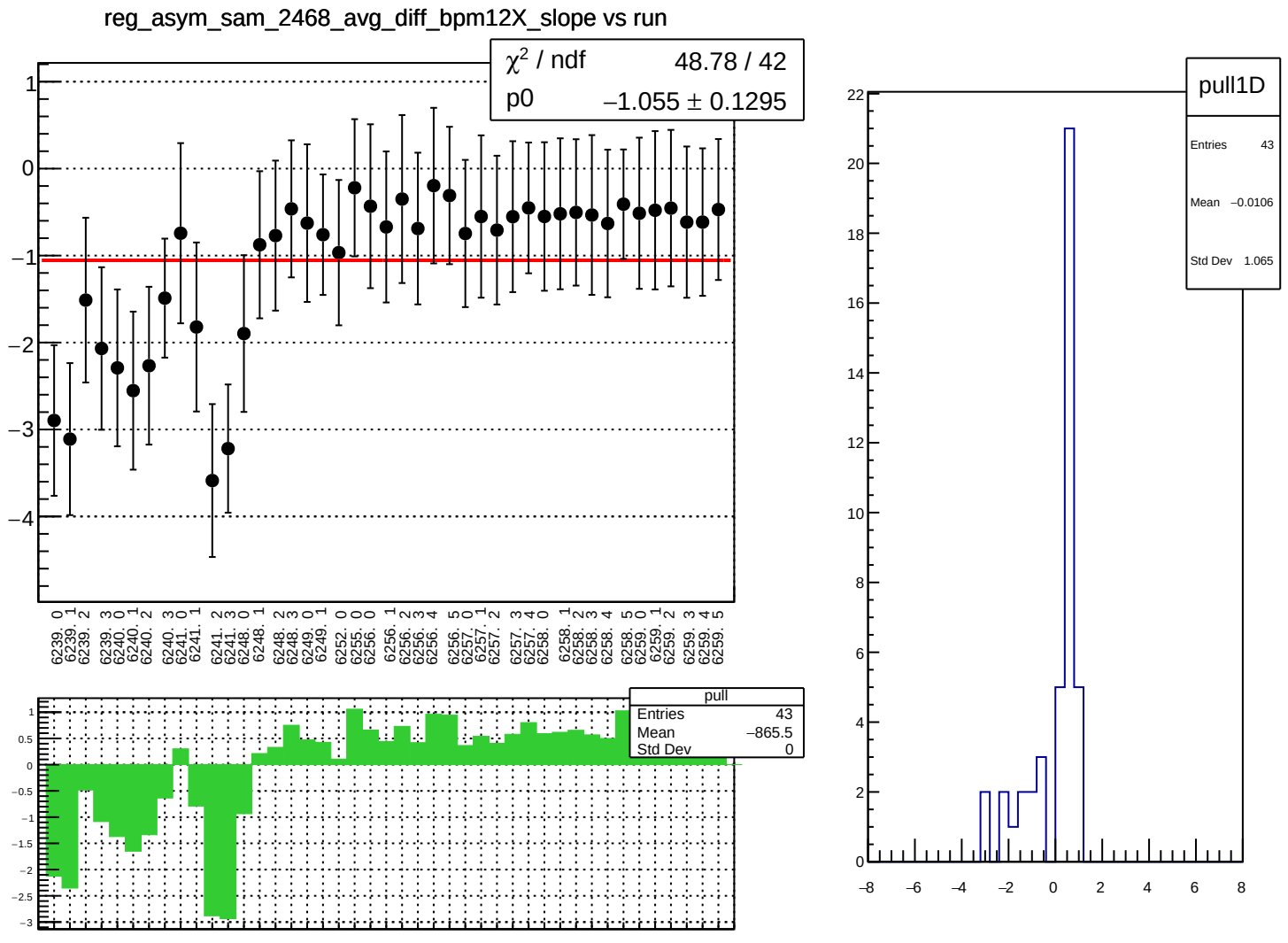

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 139 / 42
p0 −11.11 ± 1.291
pull
Entries 43
Mean 469.9
Std Dev 0
pull1D
Entries 43
Mean 0.03522
Std Dev 1.797

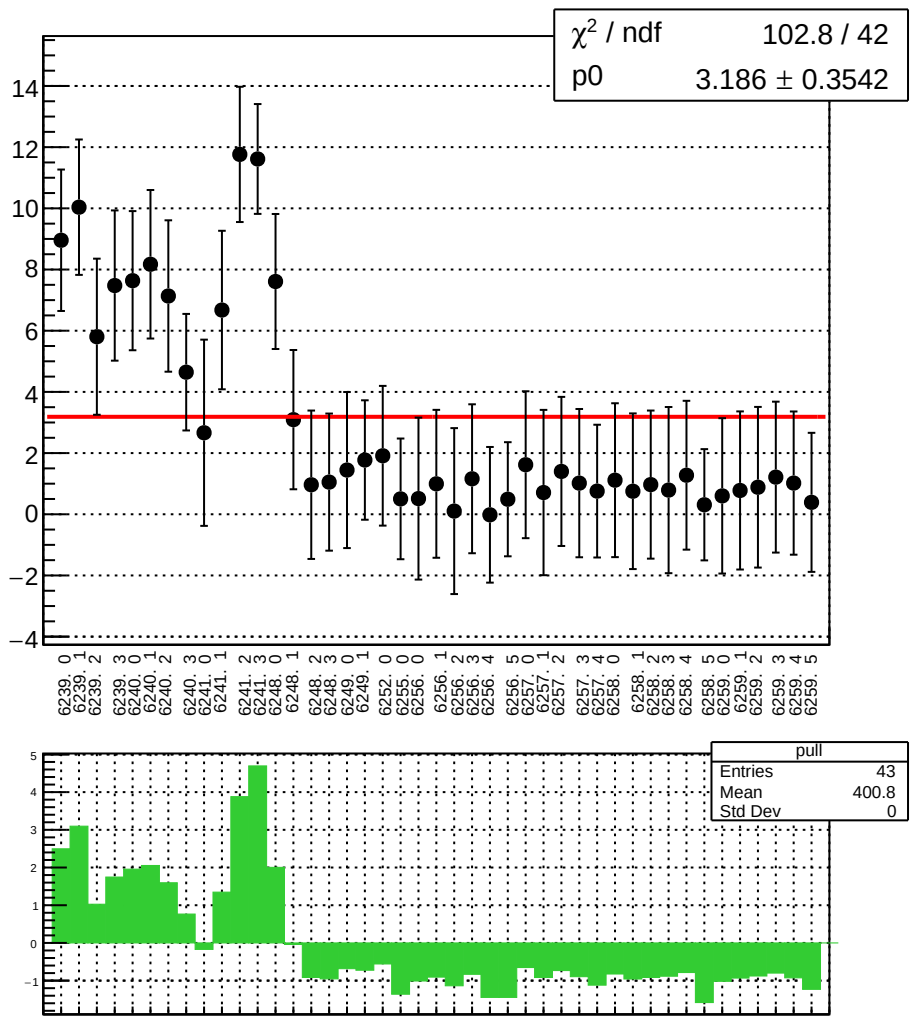

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.19 / 42
p0 4.198 ± 1.539
pull
Entries 43
Mean 159.1
Std Dev 0
pull1D
Entries 43
Mean −0.06122
Std Dev 1.057

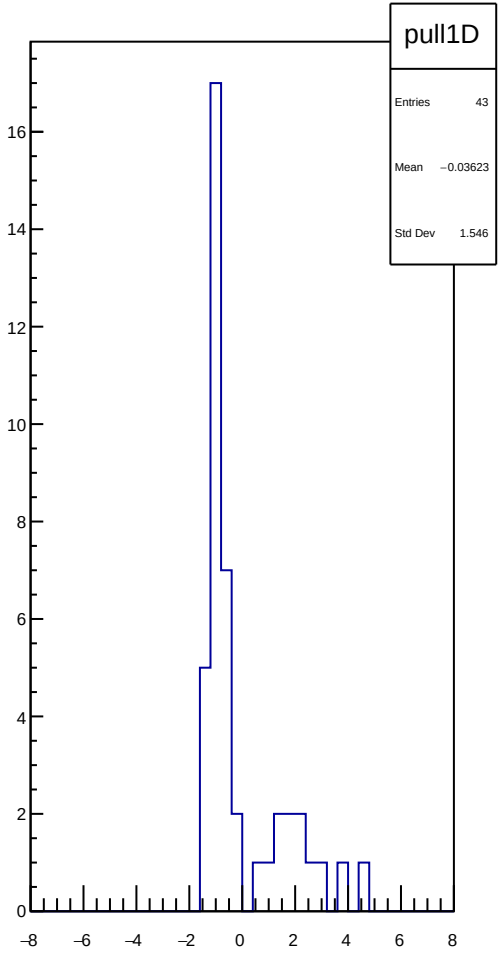

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.5 / 42
p0 −83.11 ± 1.554
−30
−40
−50
−60
−70
−80
−90
−100
−110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 325.7
Std Dev 0
5
4
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.04928
Std Dev 1.701
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

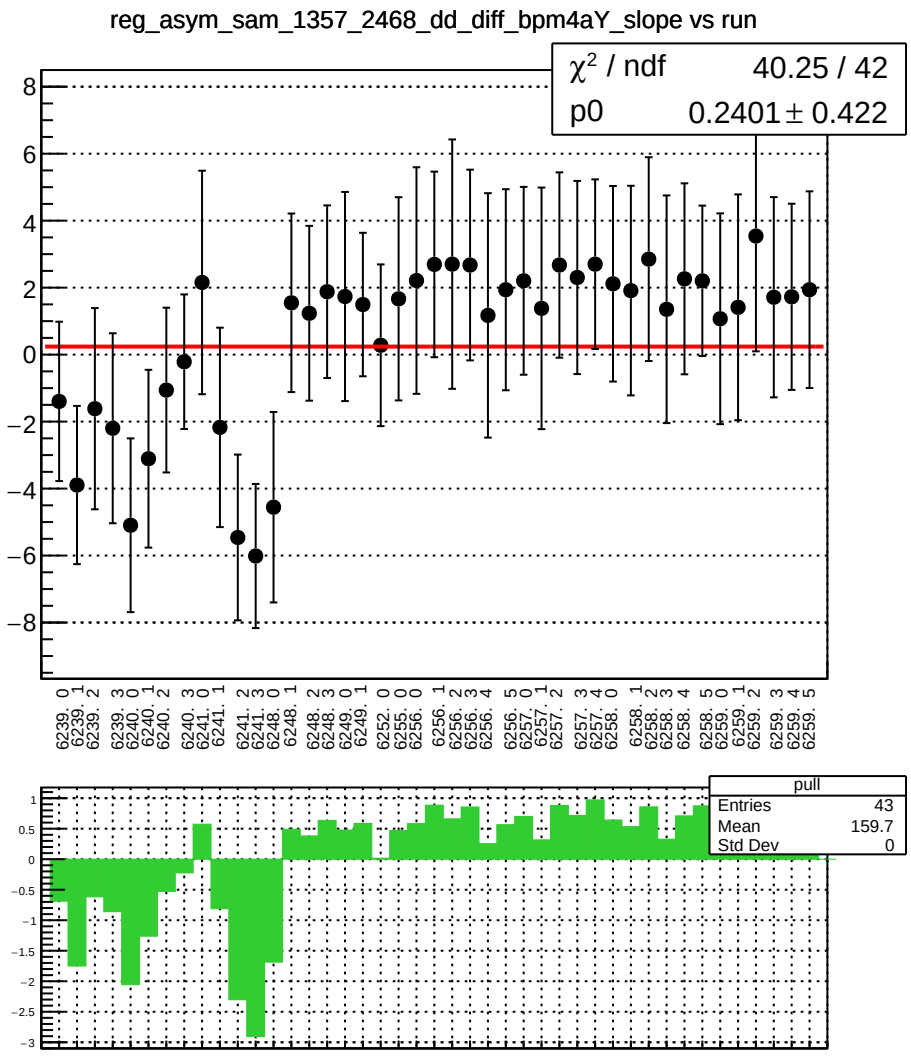

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.08 / 42
p0 37.71 ± 1.685
70
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 148.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

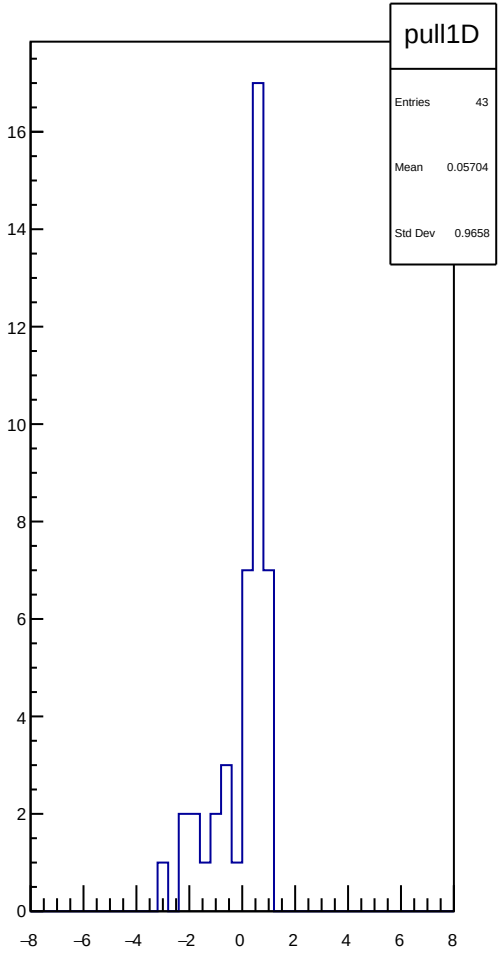

pull1D
Entries 43
Mean 0.06421
Std Dev 0.9871
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

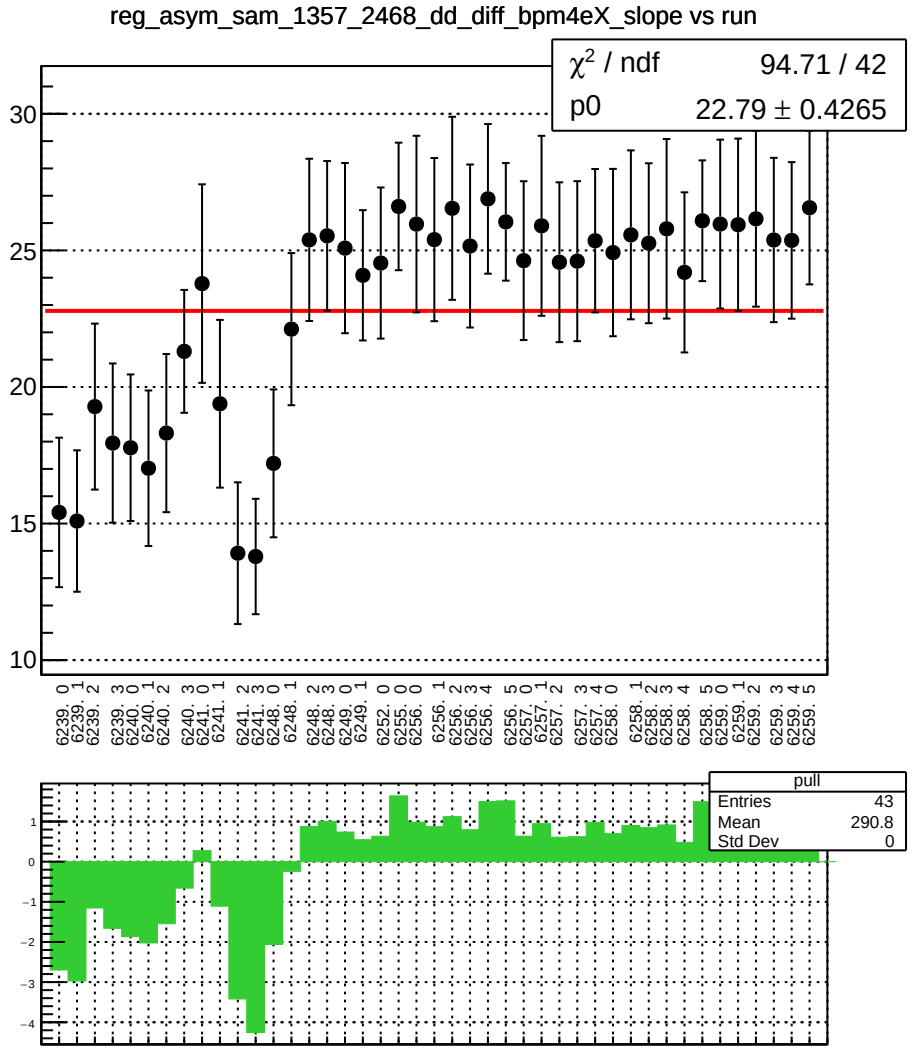

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 48.78 / 42
p0 −1.055 ± 0.1295
pull
Entries 43
Mean −865.5
Std Dev 0
pull1D
Entries 43
Mean −0.0106
Std Dev 1.065

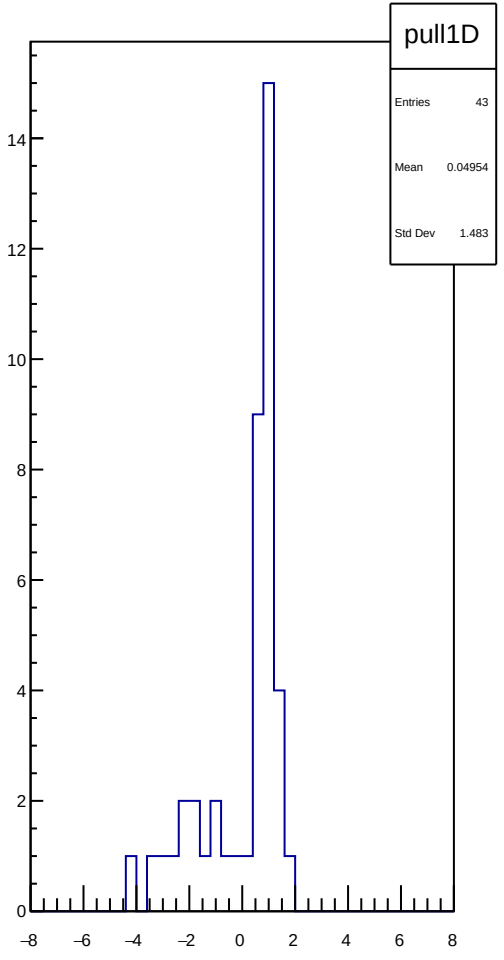

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 102.8 / 42
p0 3.186 ± 0.3542
pull
Entries 43
Mean 400.8
Std Dev 0

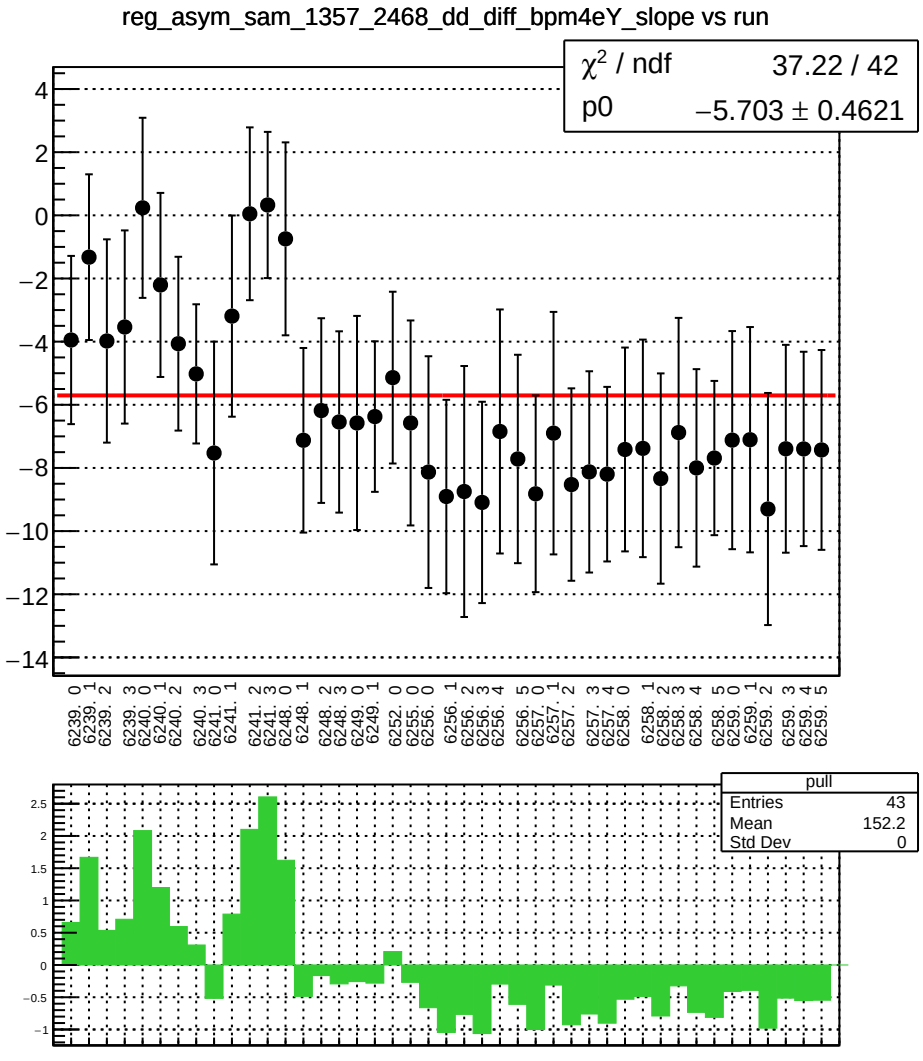

pull1D
Entries 43
Mean −0.03623
Std Dev 1.546

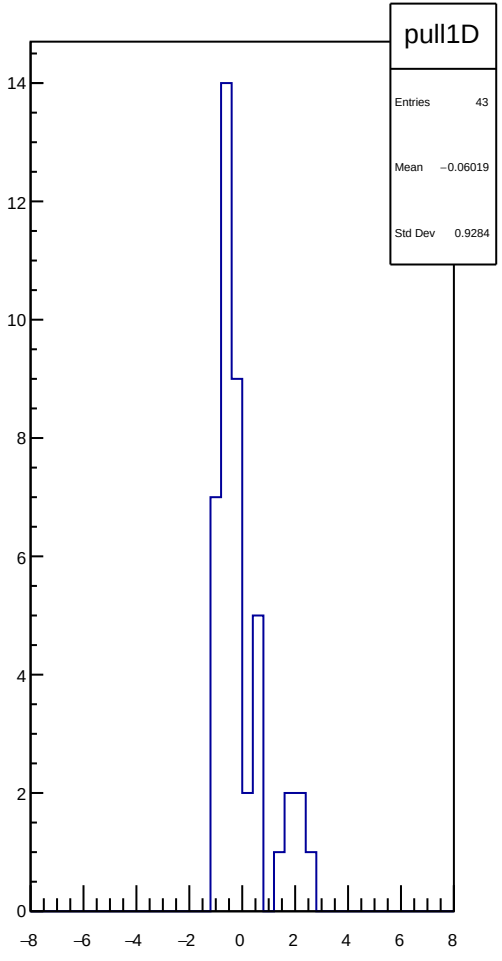

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.25 / 42
p0 0.2401 ± 0.422
pull
Entries 43
Mean 159.7
Std Dev 0

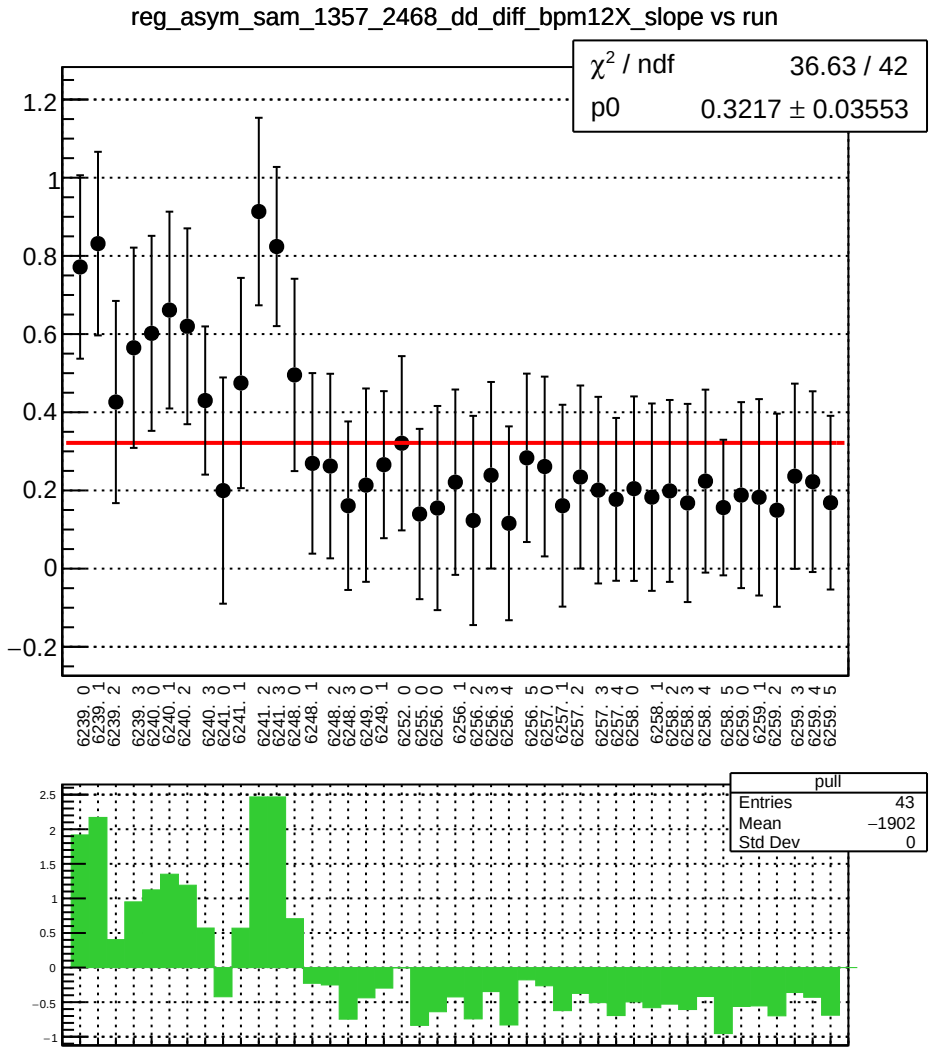

pull1D
Entries 43
Mean 0.05704
Std Dev 0.9658

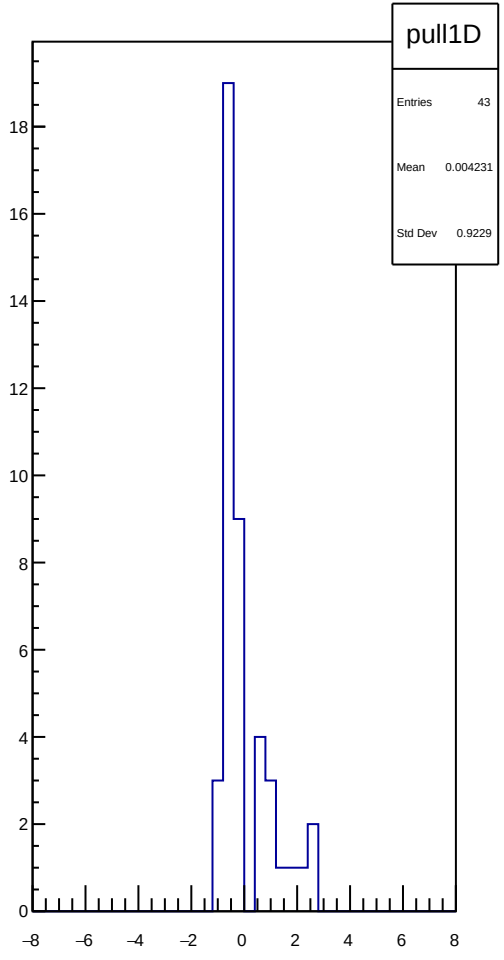

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.71 / 42
p0 22.79 ± 0.4265
pull
Entries 43
Mean 290.8
Std Dev 0

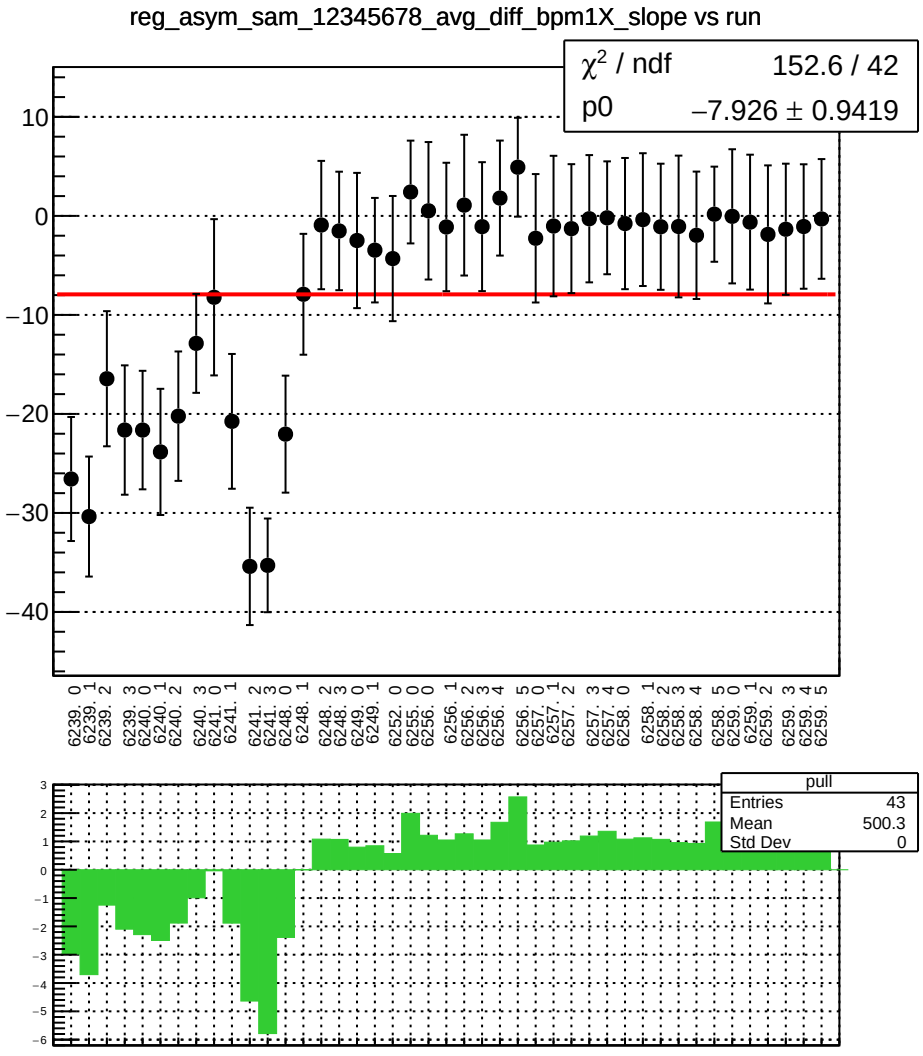

pull1D
Entries 43
Mean 0.04954
Std Dev 1.483

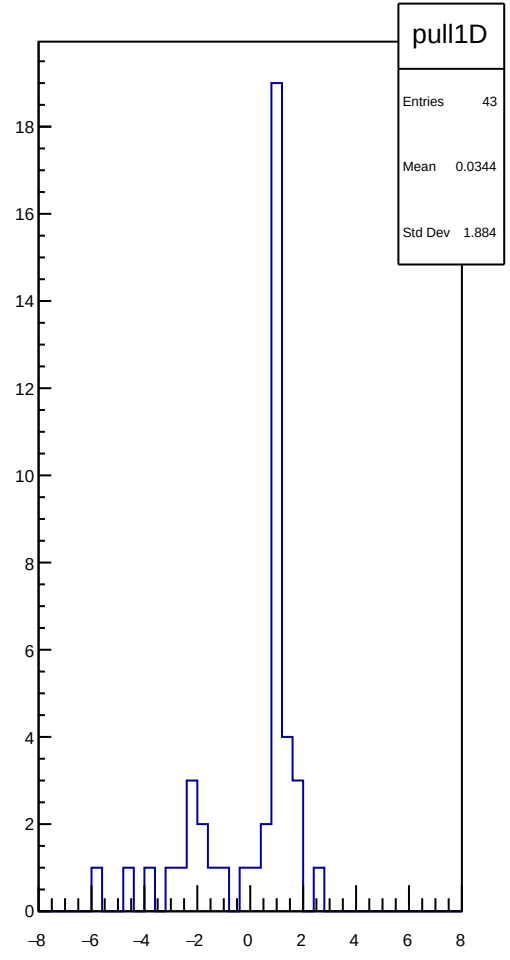

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.22 / 42
p0 −5.703 ± 0.4621
pull
Entries 43
Mean 152.2
Std Dev 0

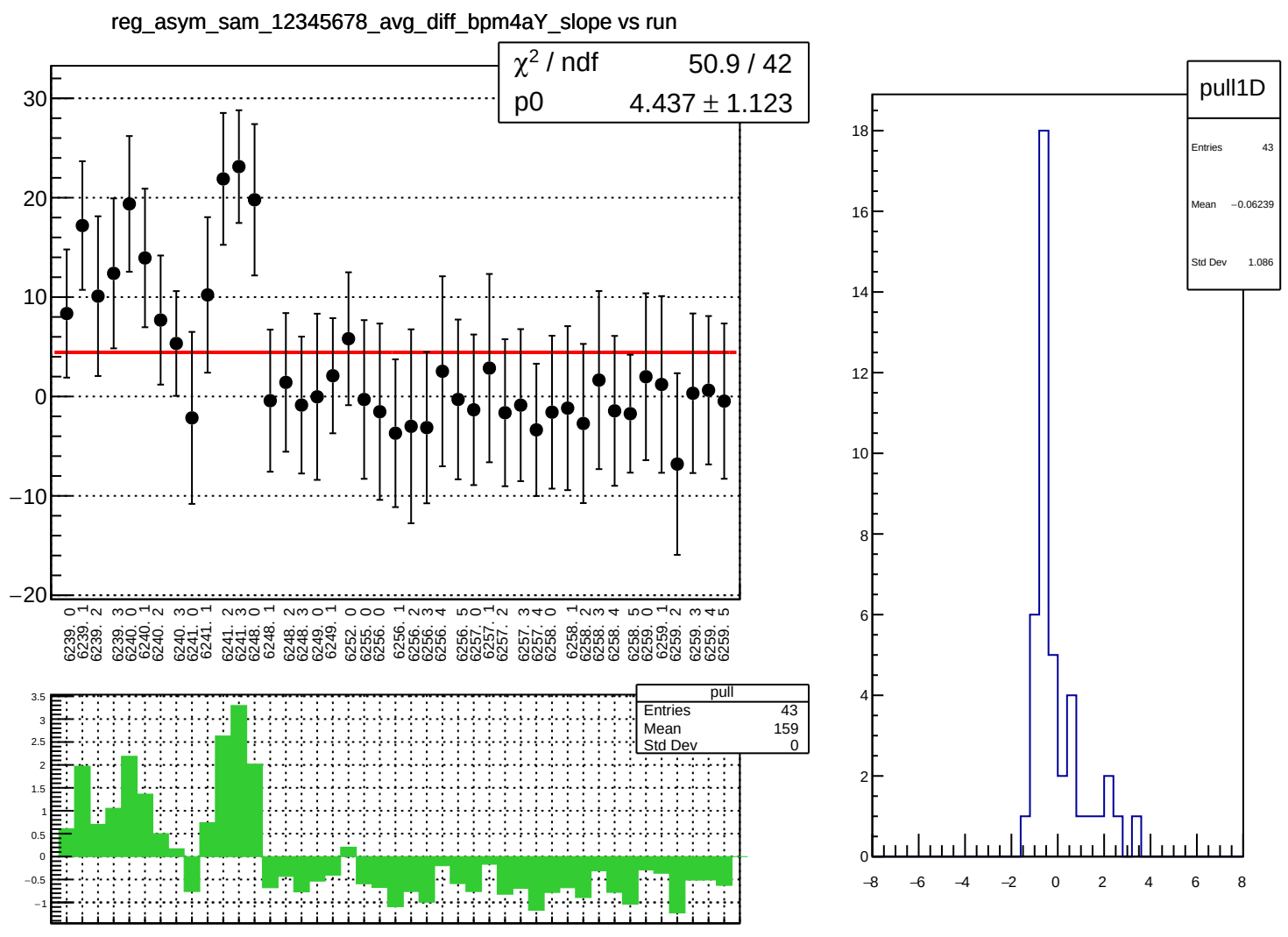

pull1D
Entries 43
Mean −0.06019
Std Dev 0.9284

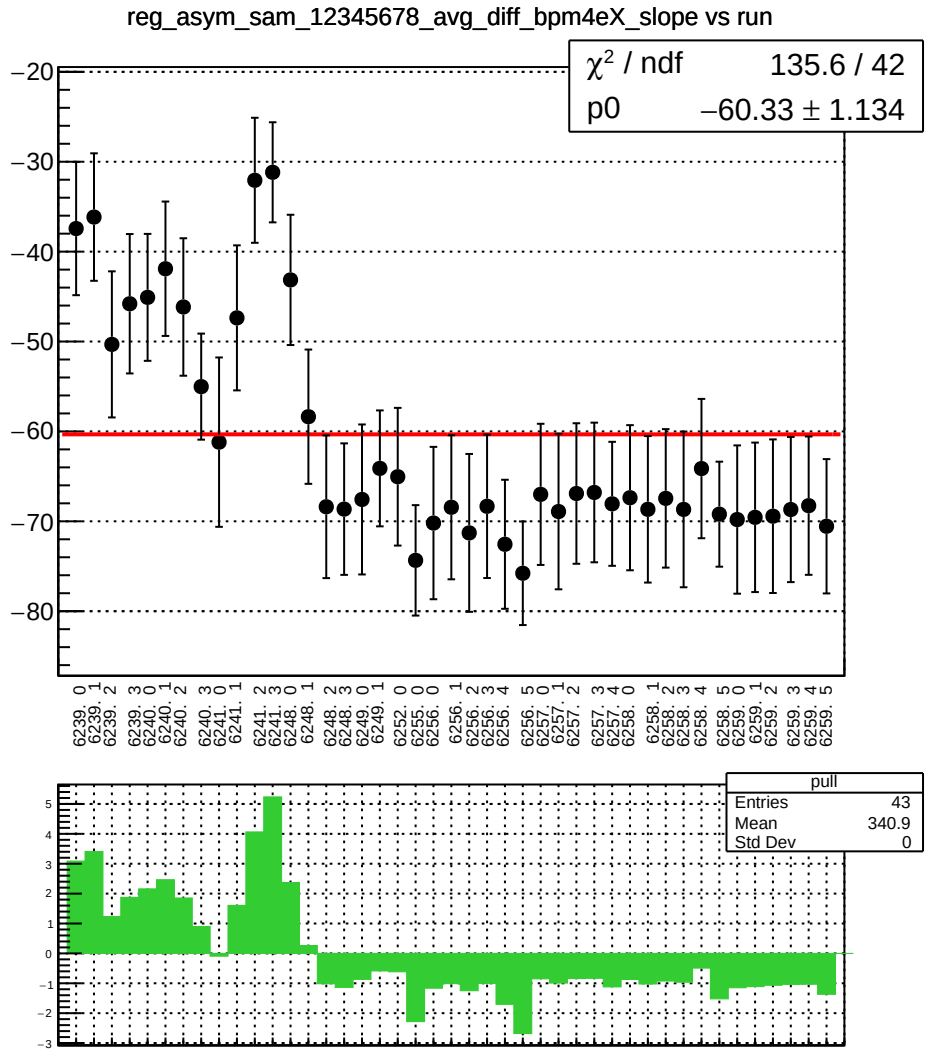

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 36.63 / 42
p0 0.3217 ± 0.03553
pull
Entries 43
Mean −1902
Std Dev 0

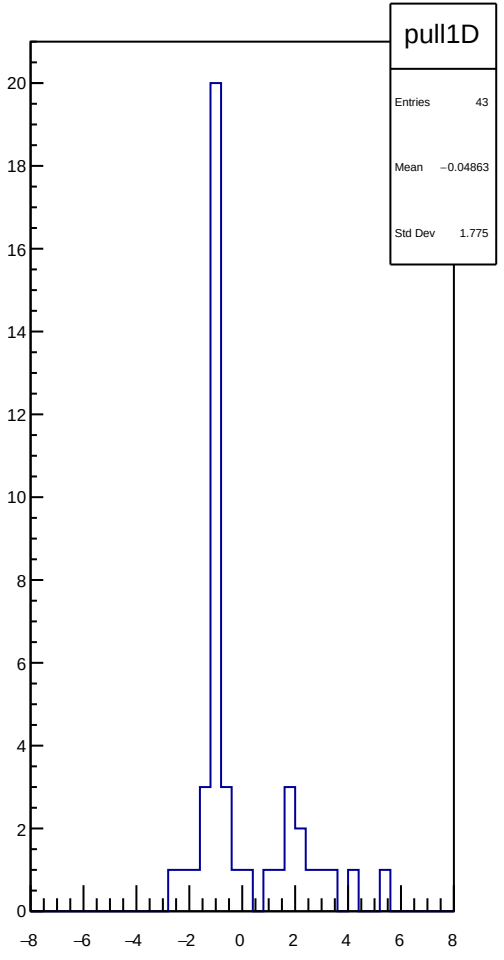

pull1D
Entries 43
Mean 0.004231
Std Dev 0.9229

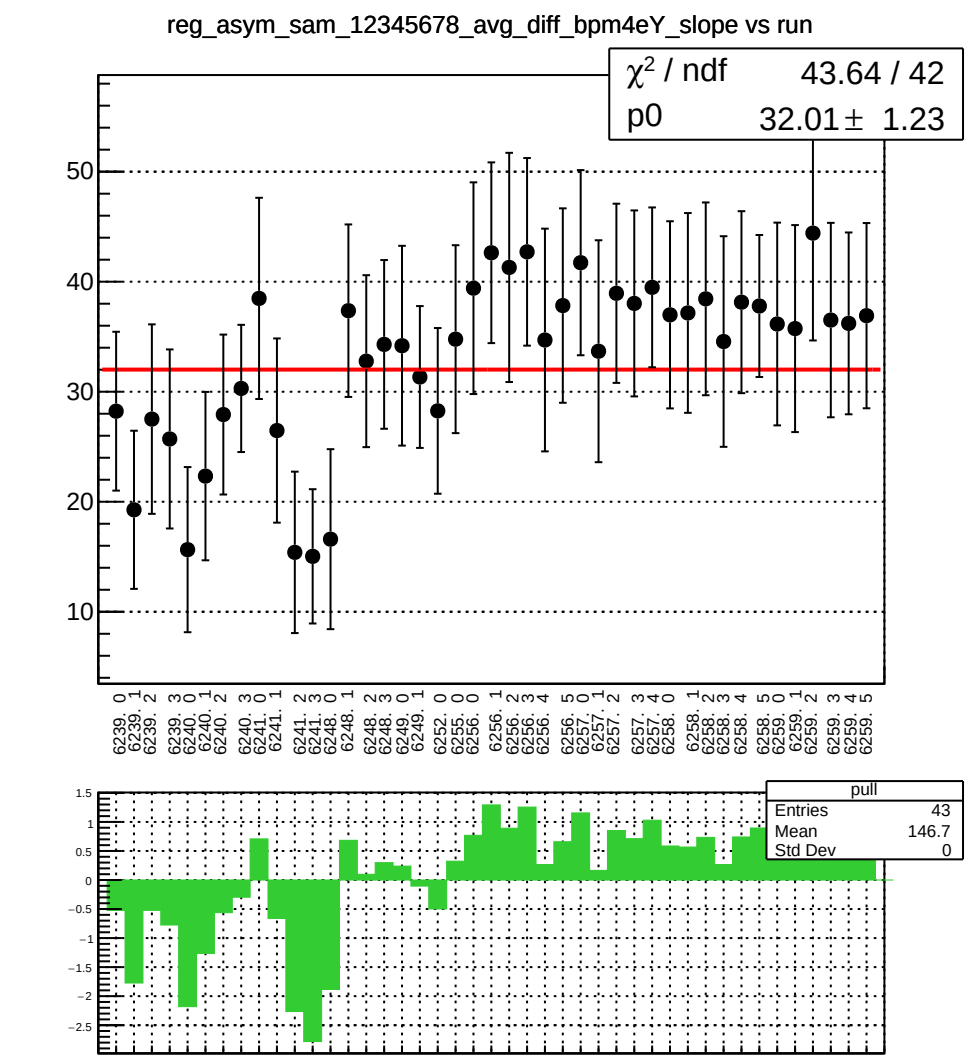

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 152.6 / 42
p0 −7.926 ± 0.9419
pull
Entries 43
Mean 500.3
Std Dev 0

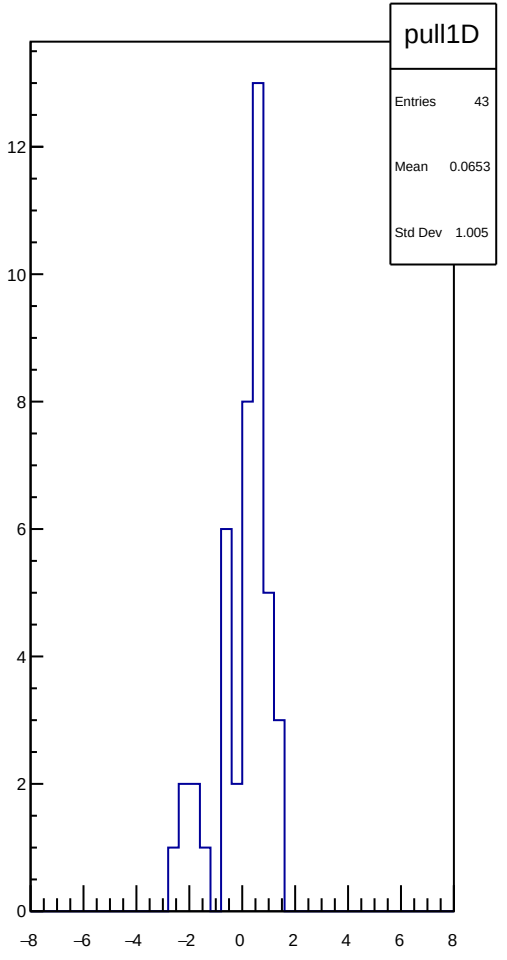

pull1D
Entries 43
Mean 0.0344
Std Dev 1.884

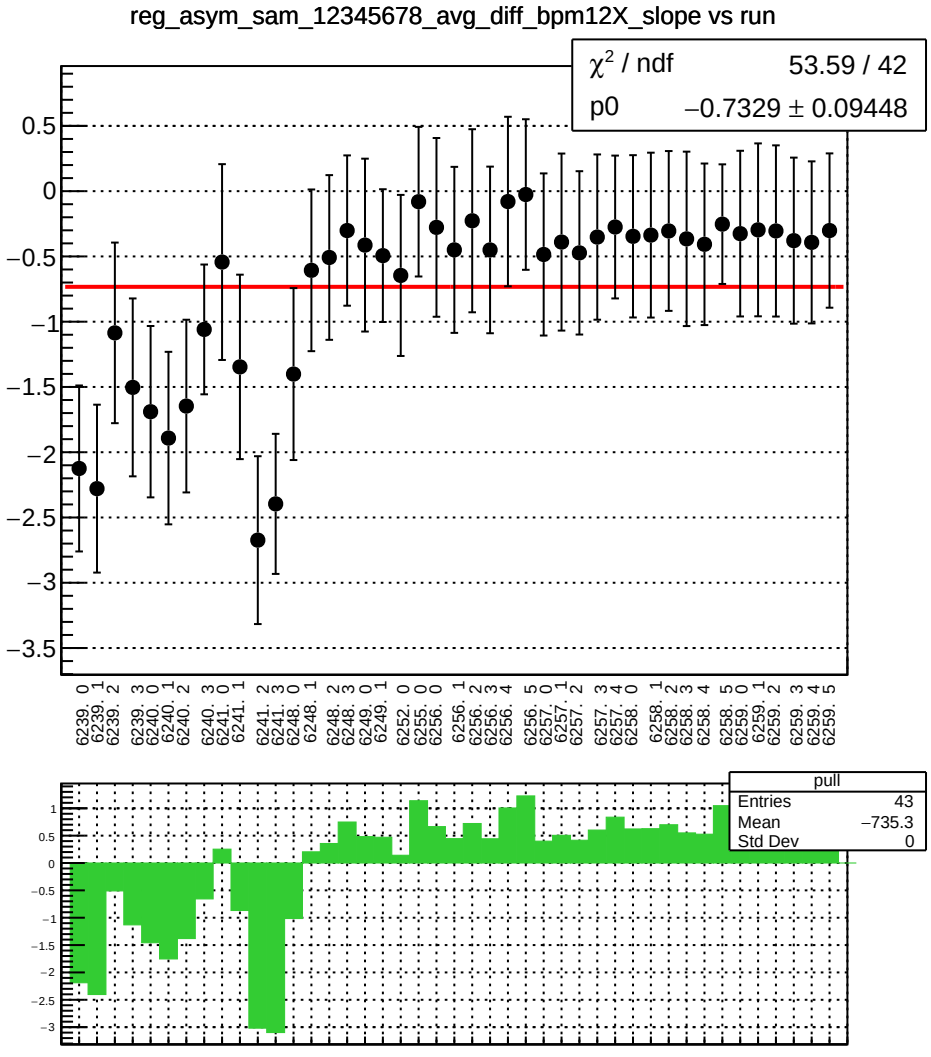

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.9 / 42
p0 4.437 ± 1.123
pull
Entries 43
Mean 159
Std Dev 0
pull1D
Entries 43
Mean −0.06239
Std Dev 1.086

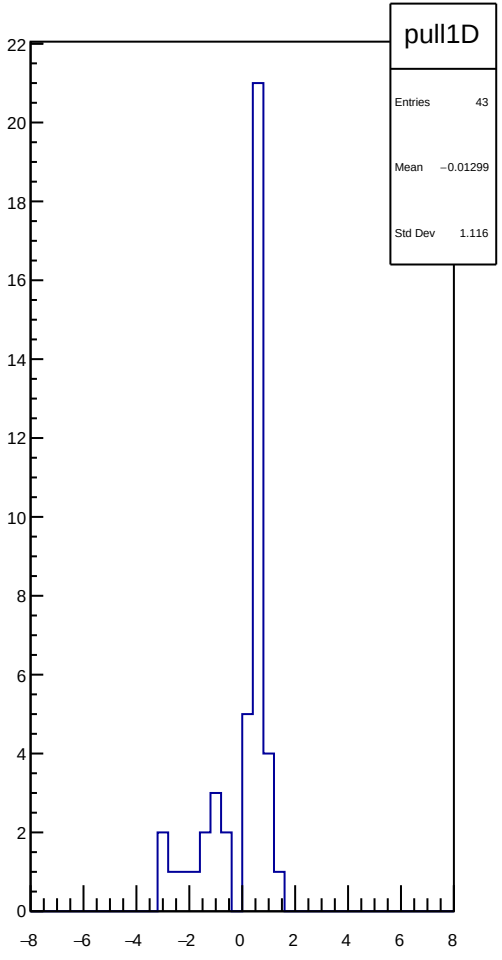

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 135.6 / 42
p0 −60.33 ± 1.134
pull
Entries 43
Mean 340.9
Std Dev 0

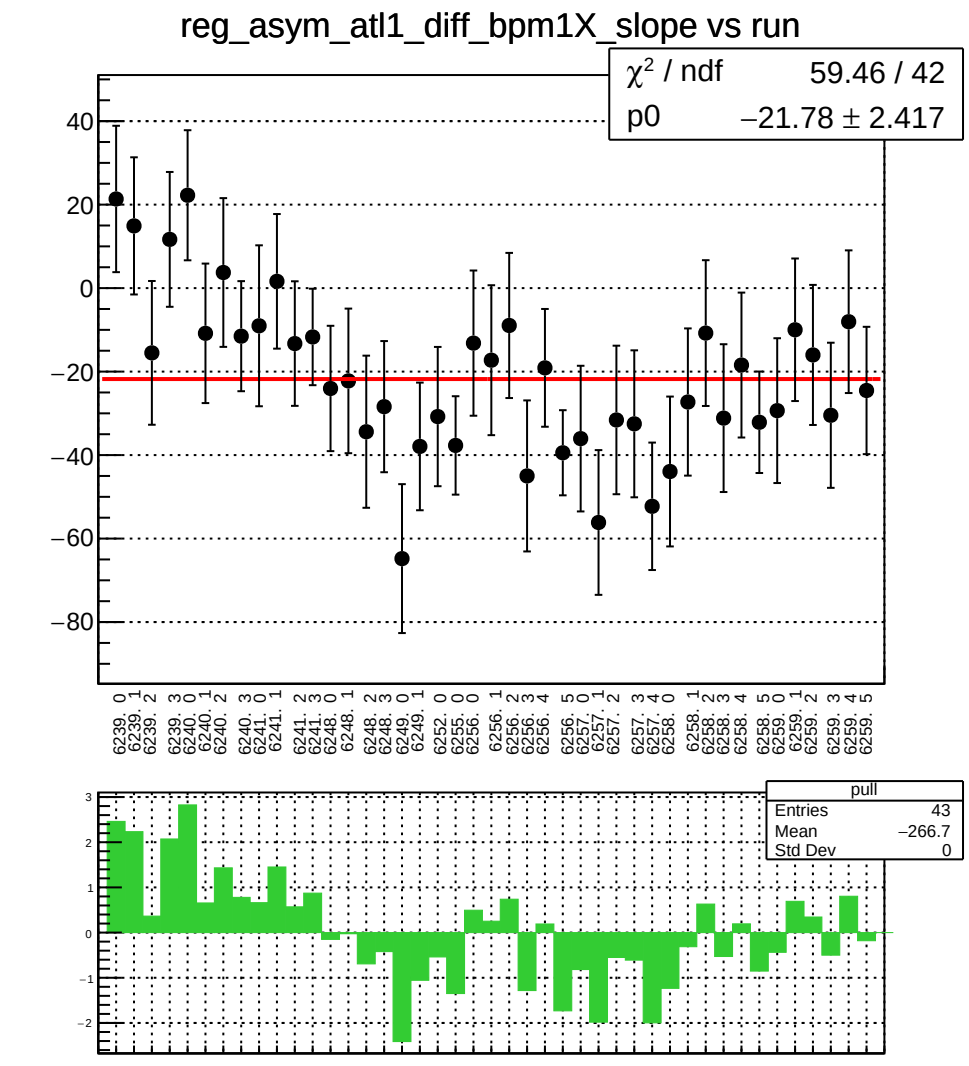

pull1D
Entries 43
Mean −0.04863
Std Dev 1.775

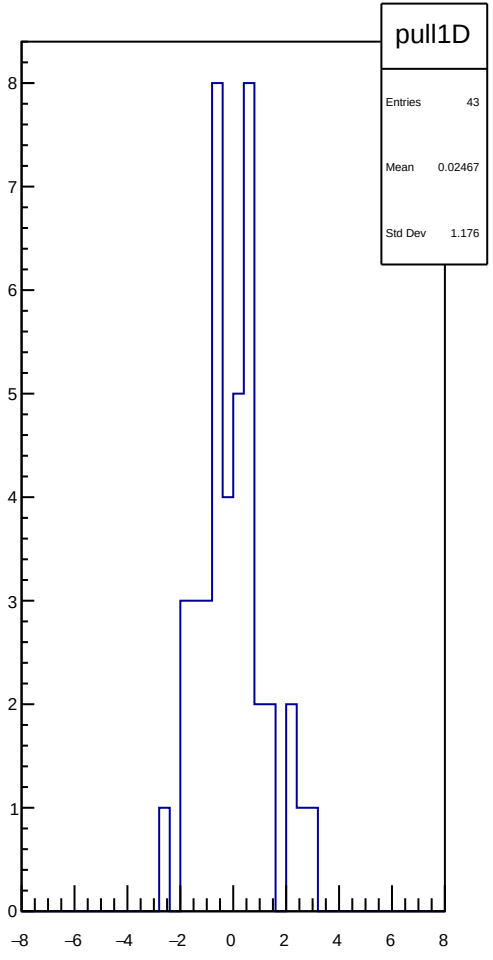

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.64 / 42
p0 32.01 ± 1.23
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 146.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

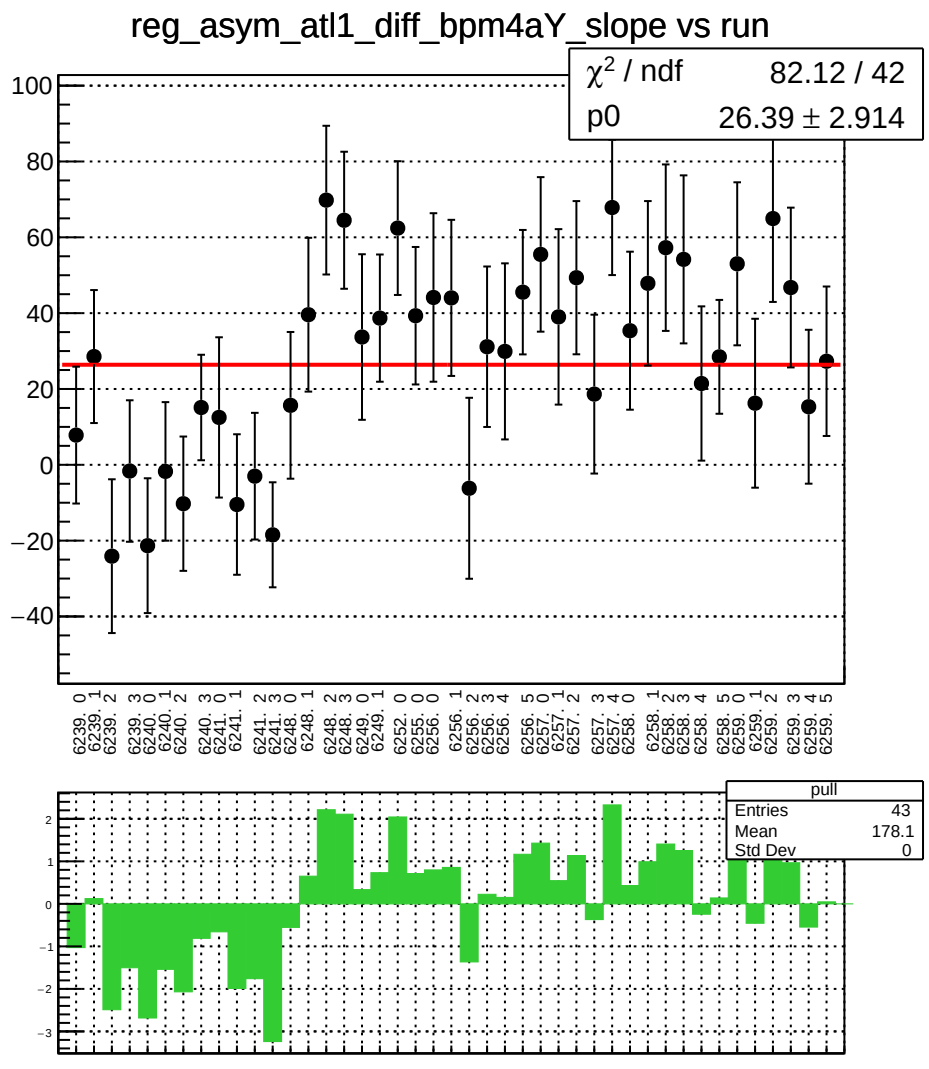

pull1D
Entries 43
Mean 0.0653
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

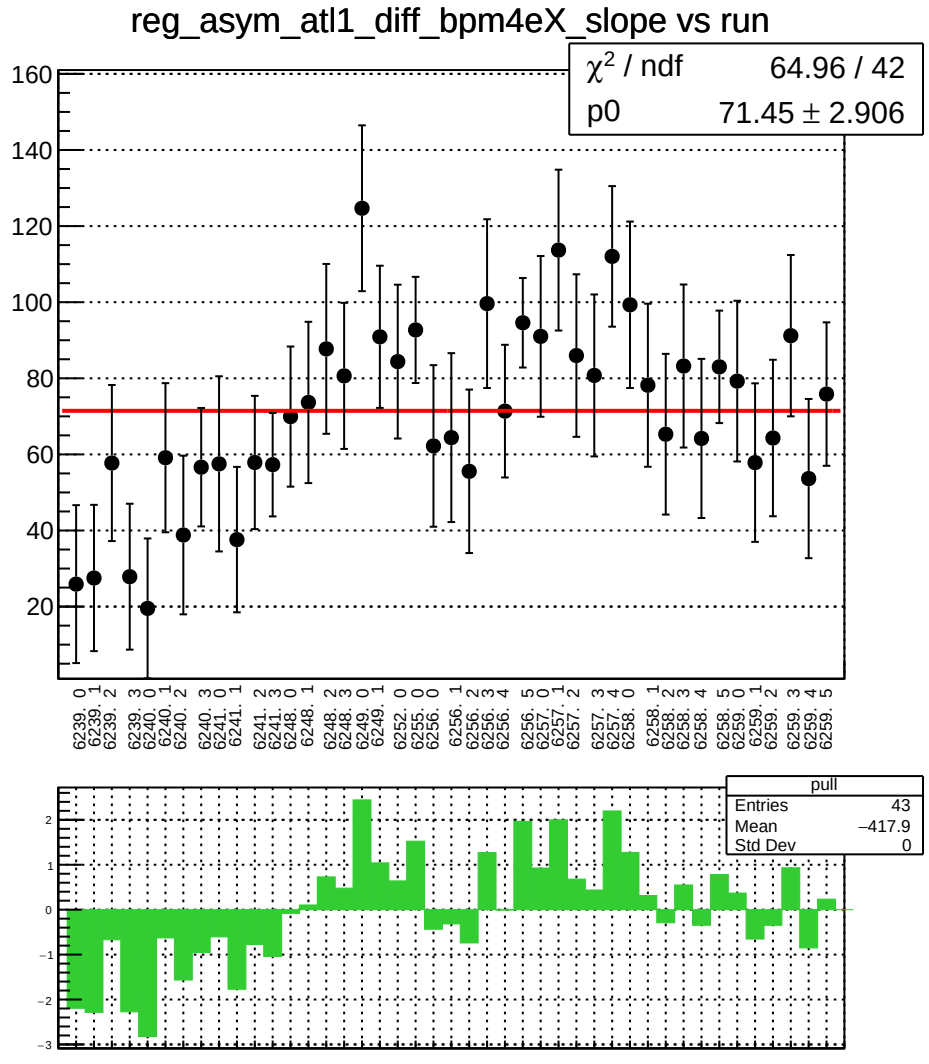

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 53.59 / 42
p0 −0.7329 ± 0.09448
pull
Entries 43
Mean −735.3
Std Dev 0

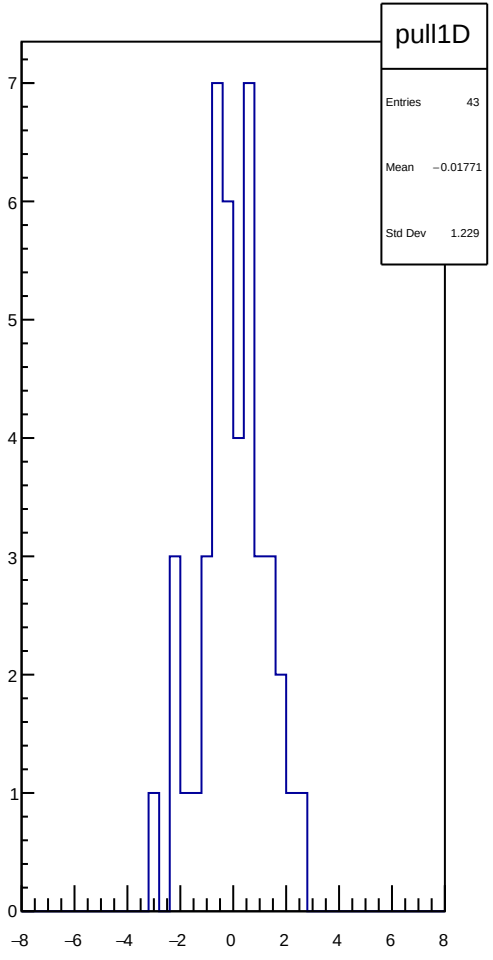

pull1D
Entries 43
Mean −0.01299
Std Dev 1.116

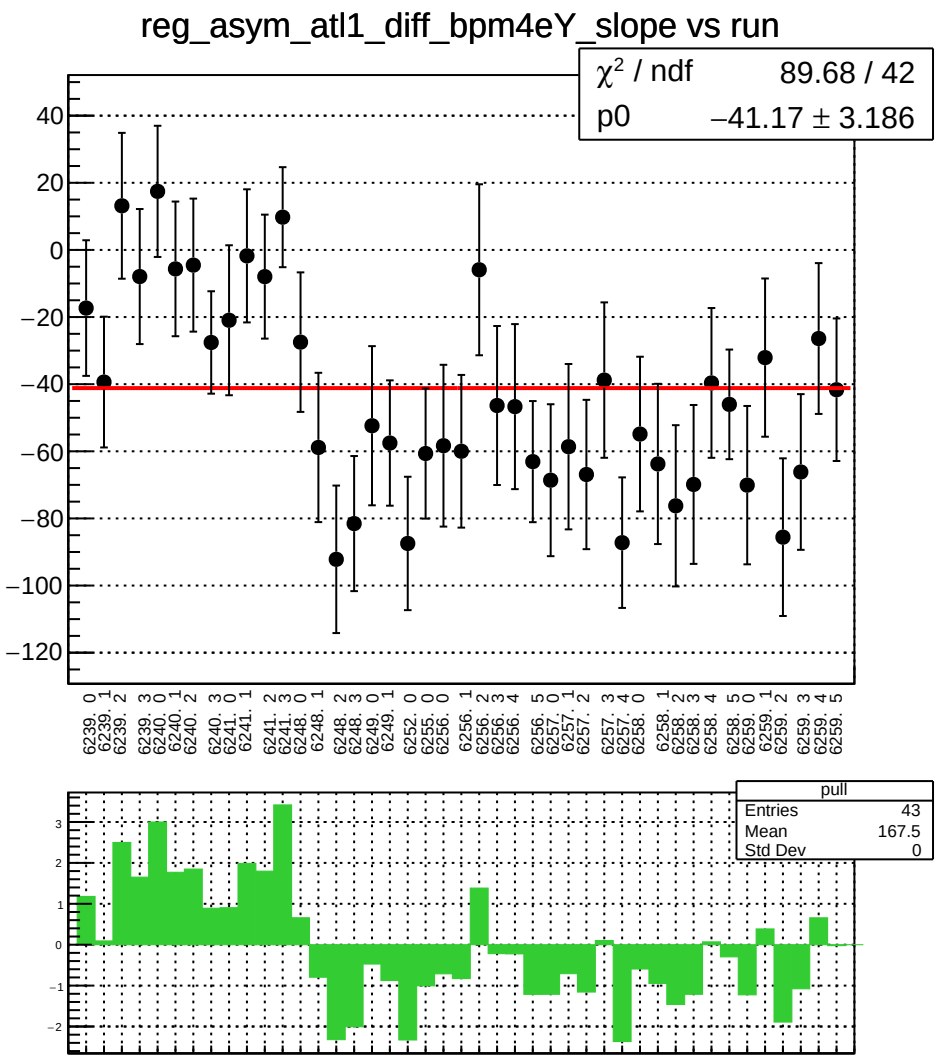

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 59.46 / 42
p0 −21.78 ± 2.417
pull
Entries 43
Mean −266.7
Std Dev 0

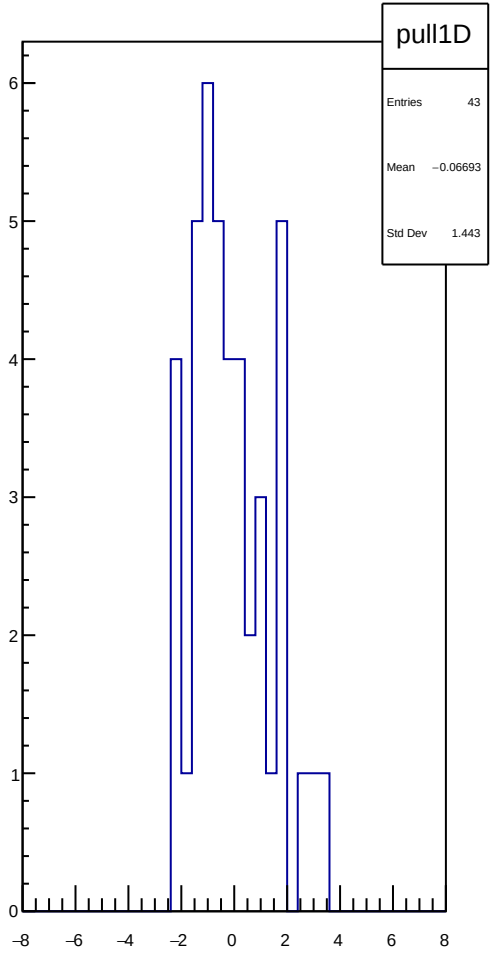

pull1D
Entries 43
Mean 0.02467
Std Dev 1.176

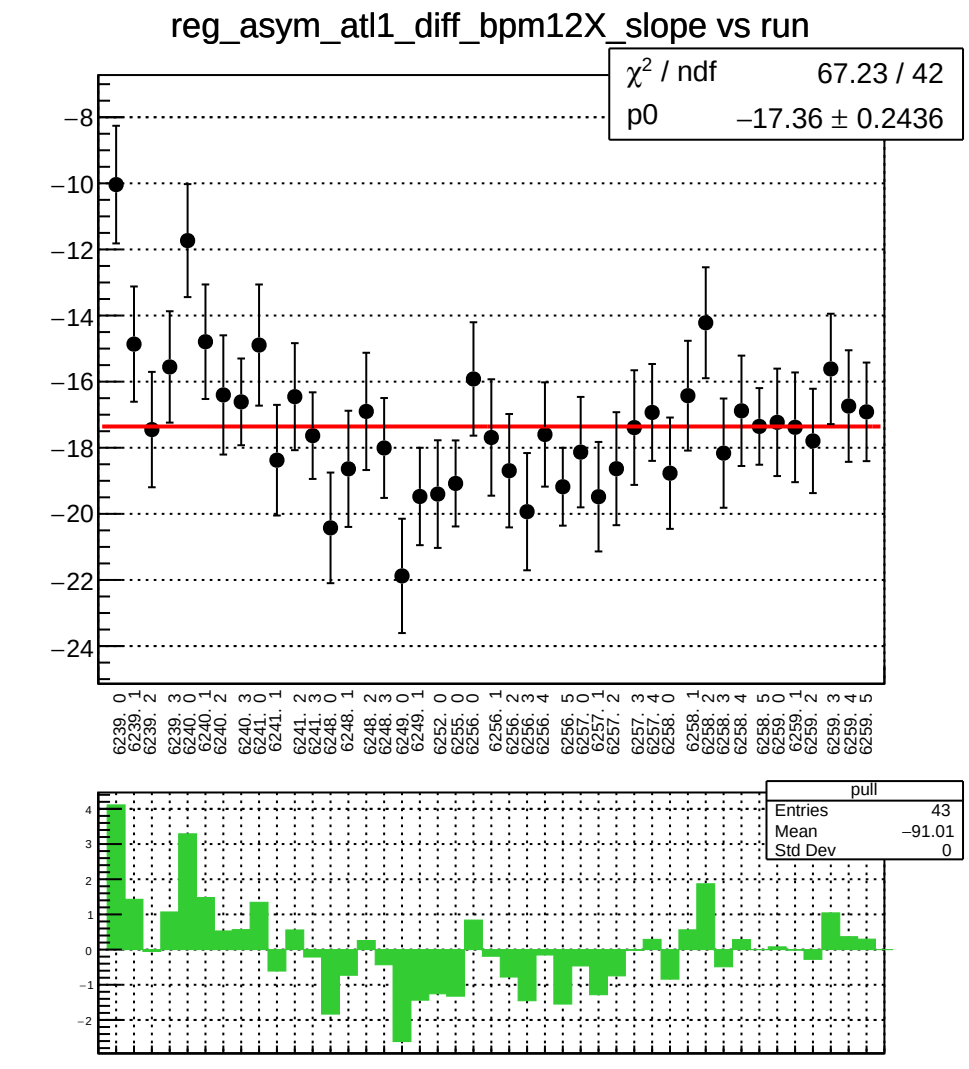

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 82.12 / 42
p0 26.39 ± 2.914
100
80
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 178.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.0577
Std Dev 1.381
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

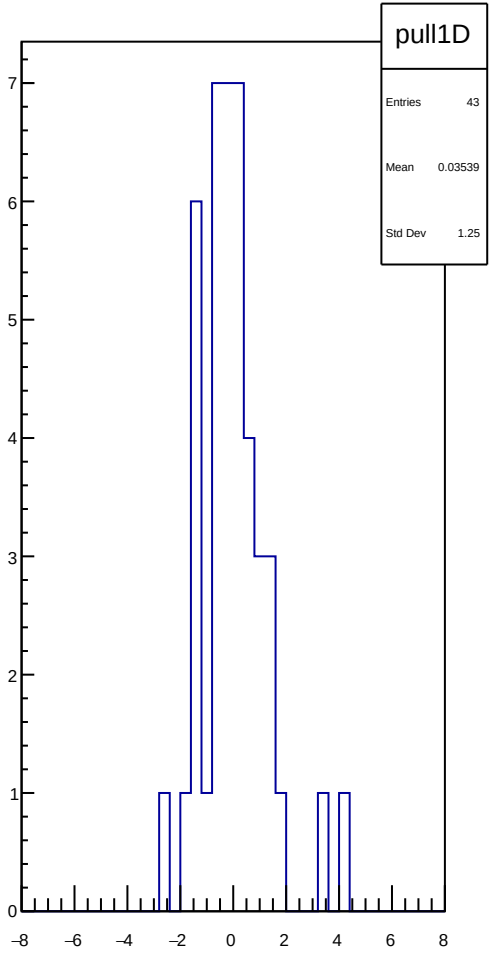

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 64.96 / 42
p0 71.45 ± 2.906
160
140
120
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −417.9
Std Dev 0
2
1
0
−1
−2
−3

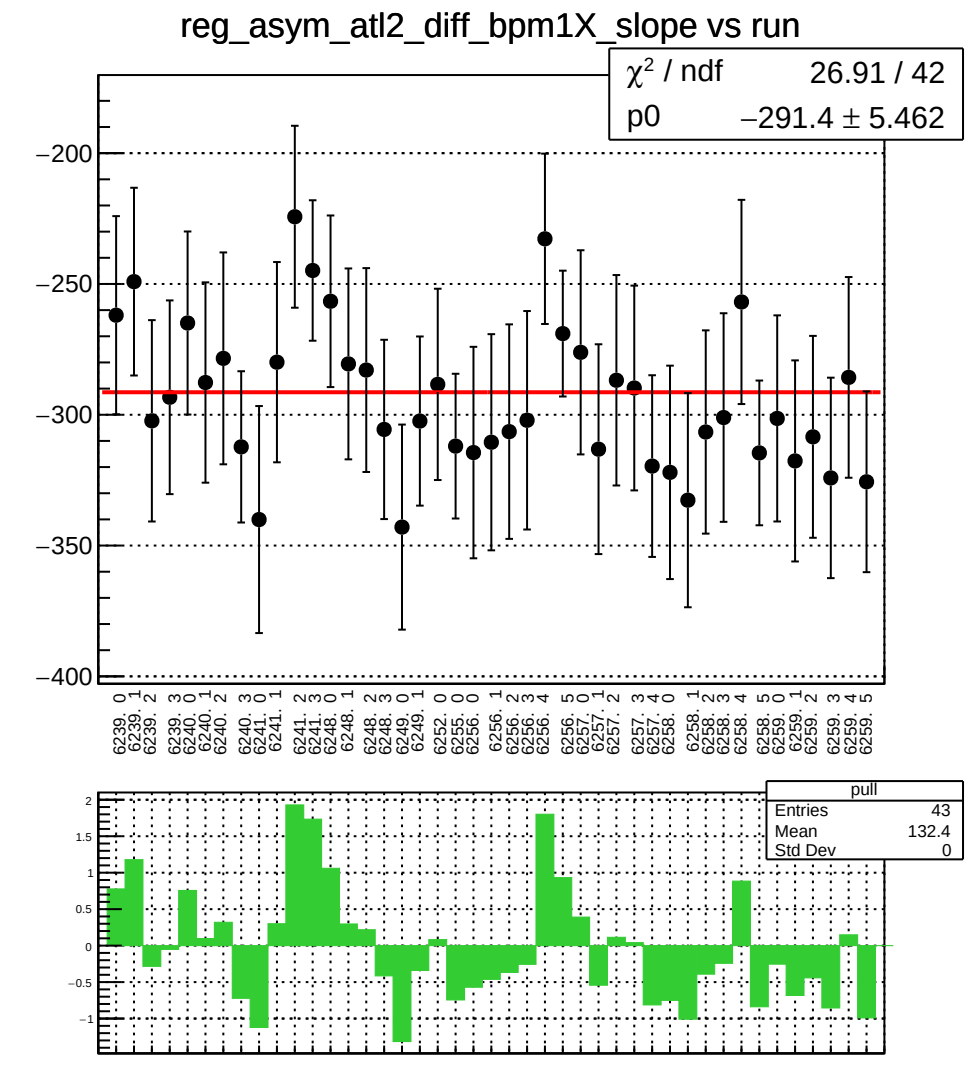

pull1D
Entries 43
Mean −0.01771
Std Dev 1.229
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

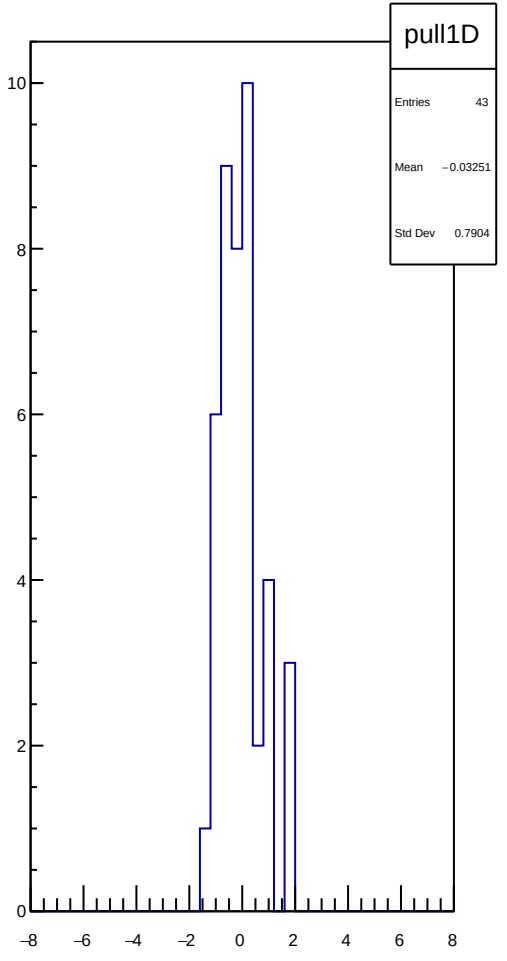

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 89.68 / 42
p0 −41.17 ± 3.186
40
20
0
−20
−40
−60
−80
−100
−120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 167.5
Std Dev 0
3
2
1
0
−1
−2

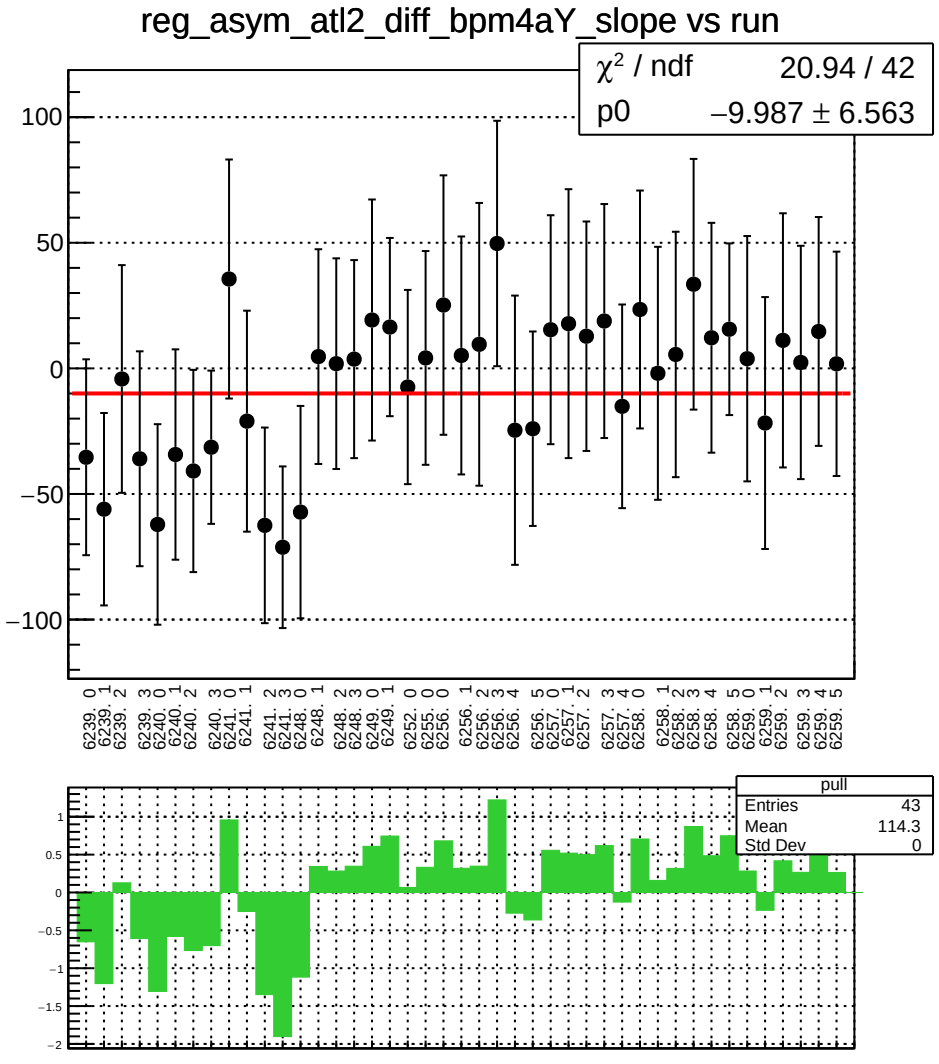

pull1D
Entries 43
Mean −0.06693
Std Dev 1.443
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

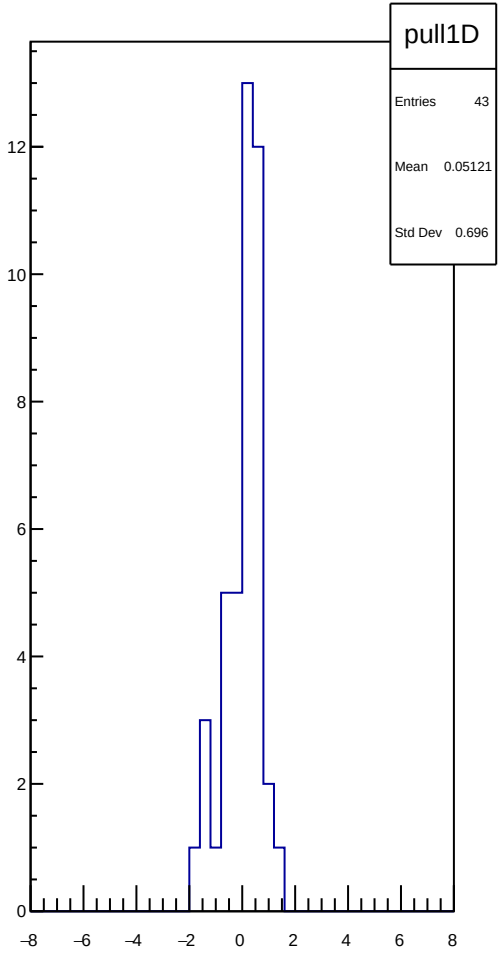

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 67.23 / 42
p0 −17.36 ± 0.2436
pull
Entries 43
Mean −91.01
Std Dev 0

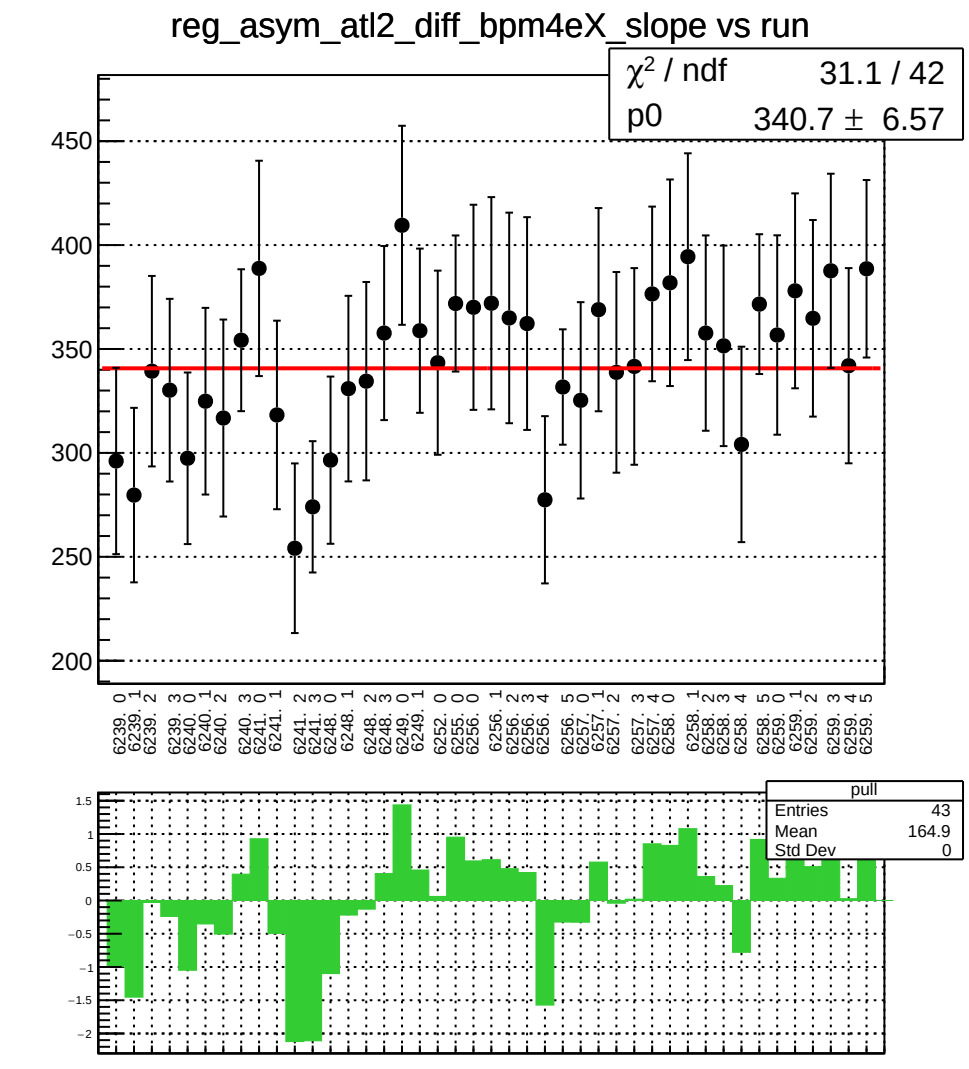

pull1D
Entries 43
Mean 0.03539
Std Dev 1.25

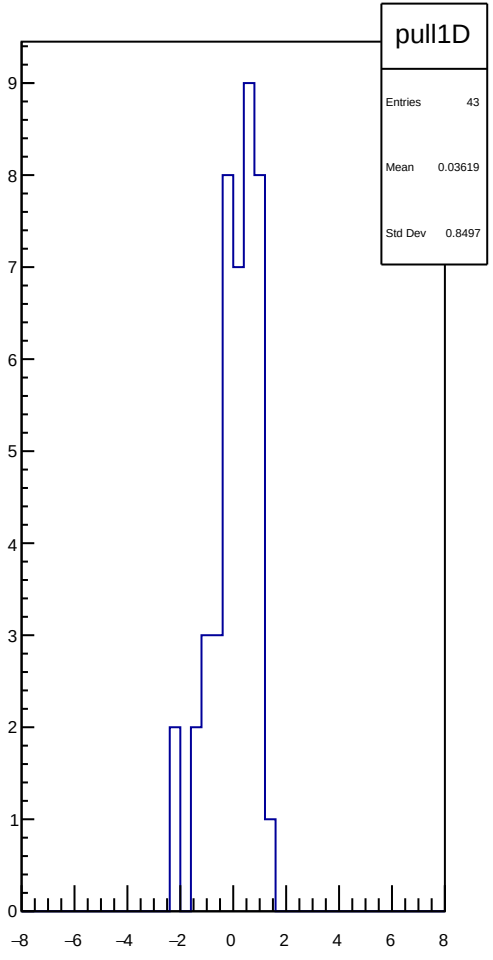

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 26.91 / 42
p0 −291.4 ± 5.462
−200
−250
−300
−350
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 132.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

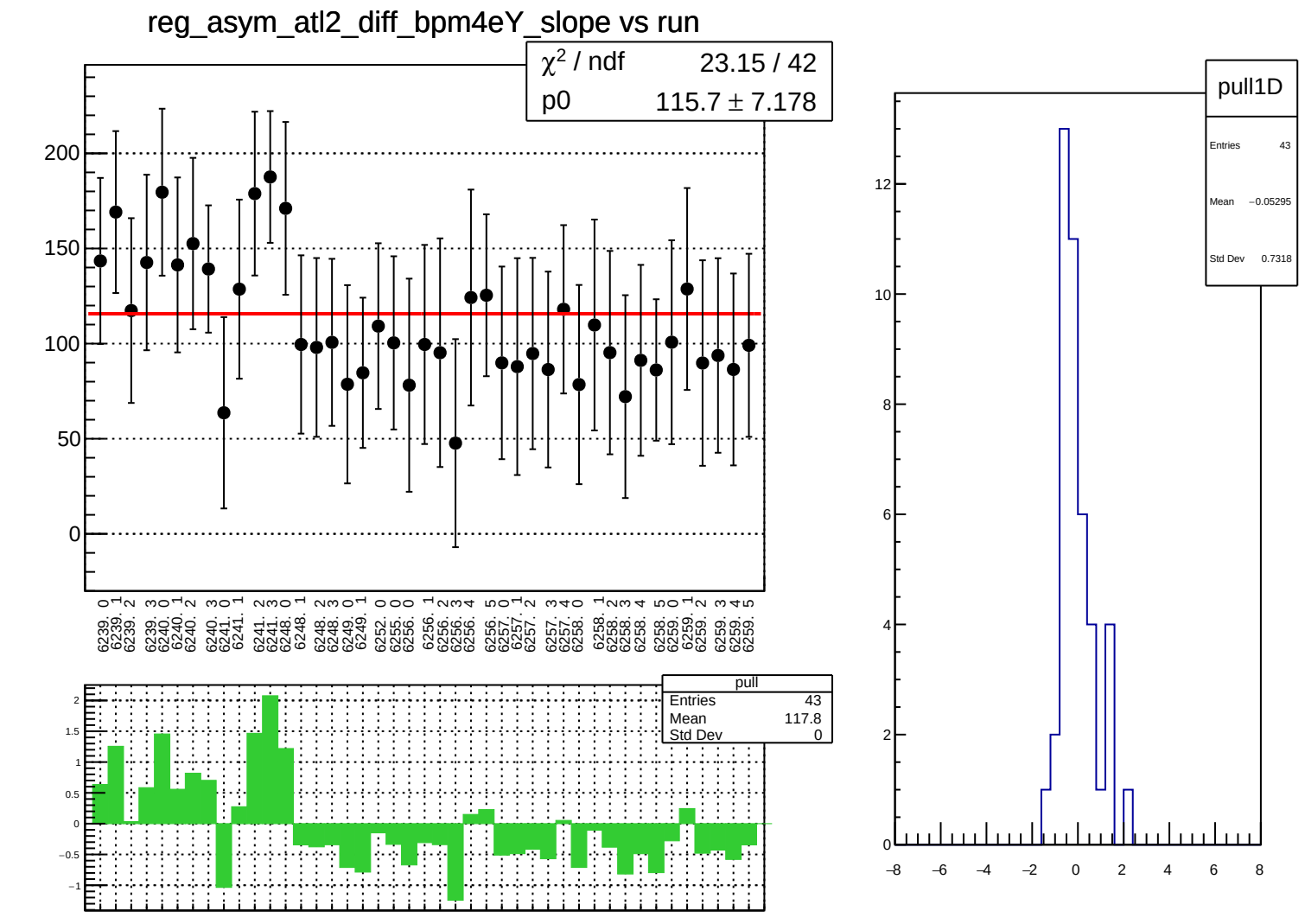

pull1D
Entries 43
Mean −0.03251
Std Dev 0.7904
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

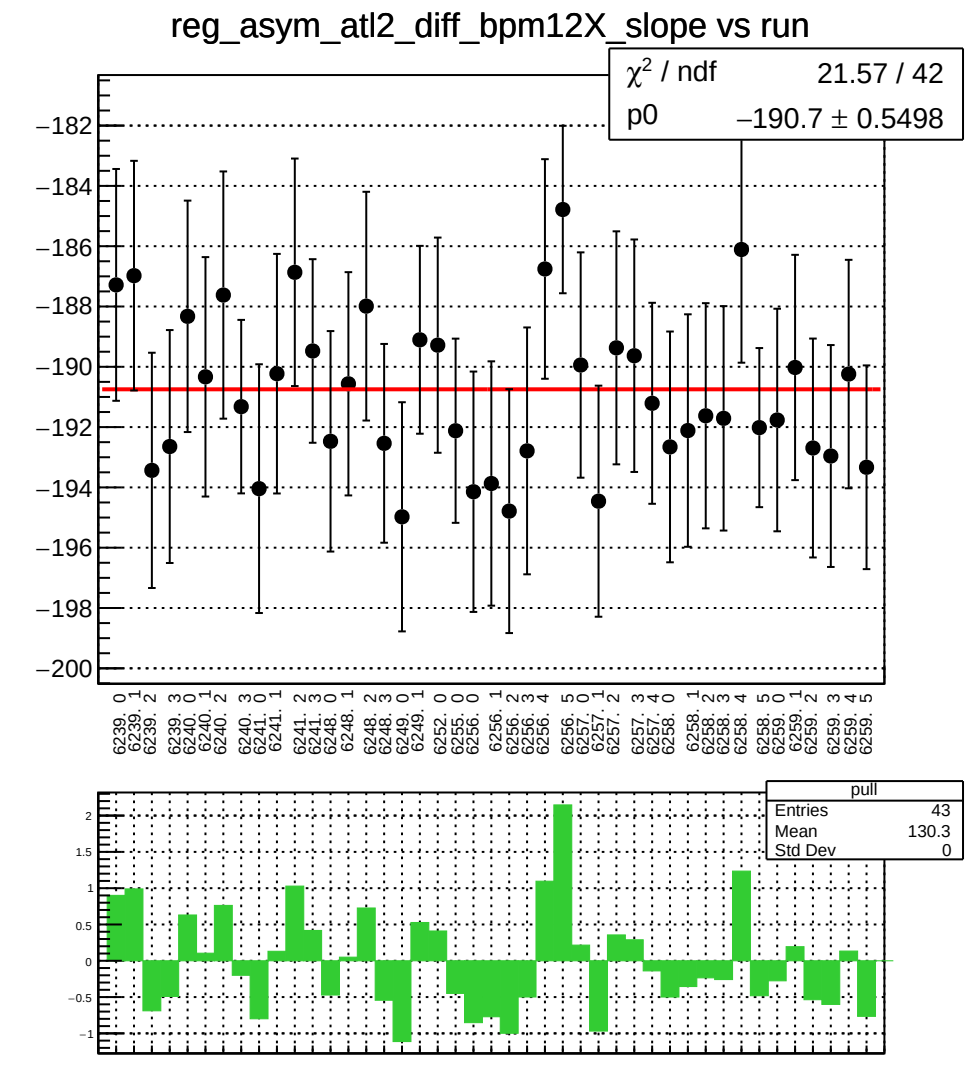

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 20.94 / 42
p0 −9.987 ± 6.563
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

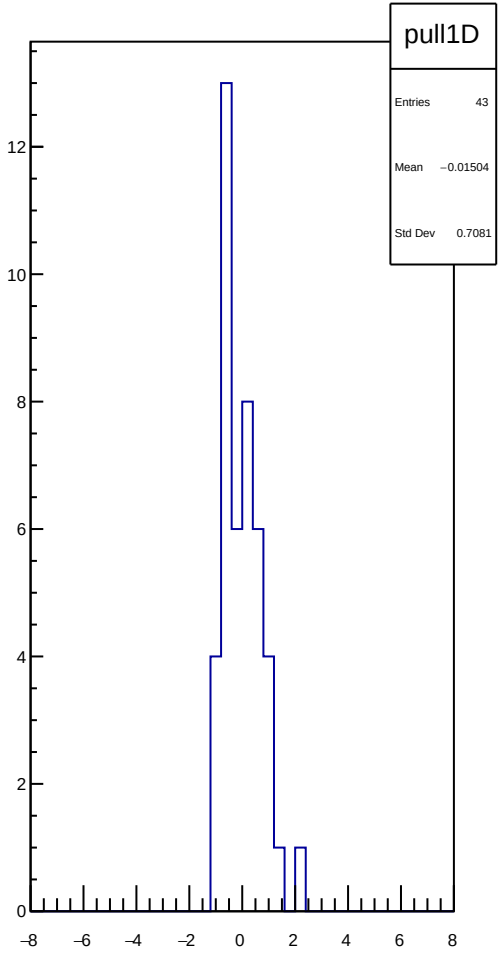

pull1D
Entries 43
Mean 0.05121
Std Dev 0.696
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

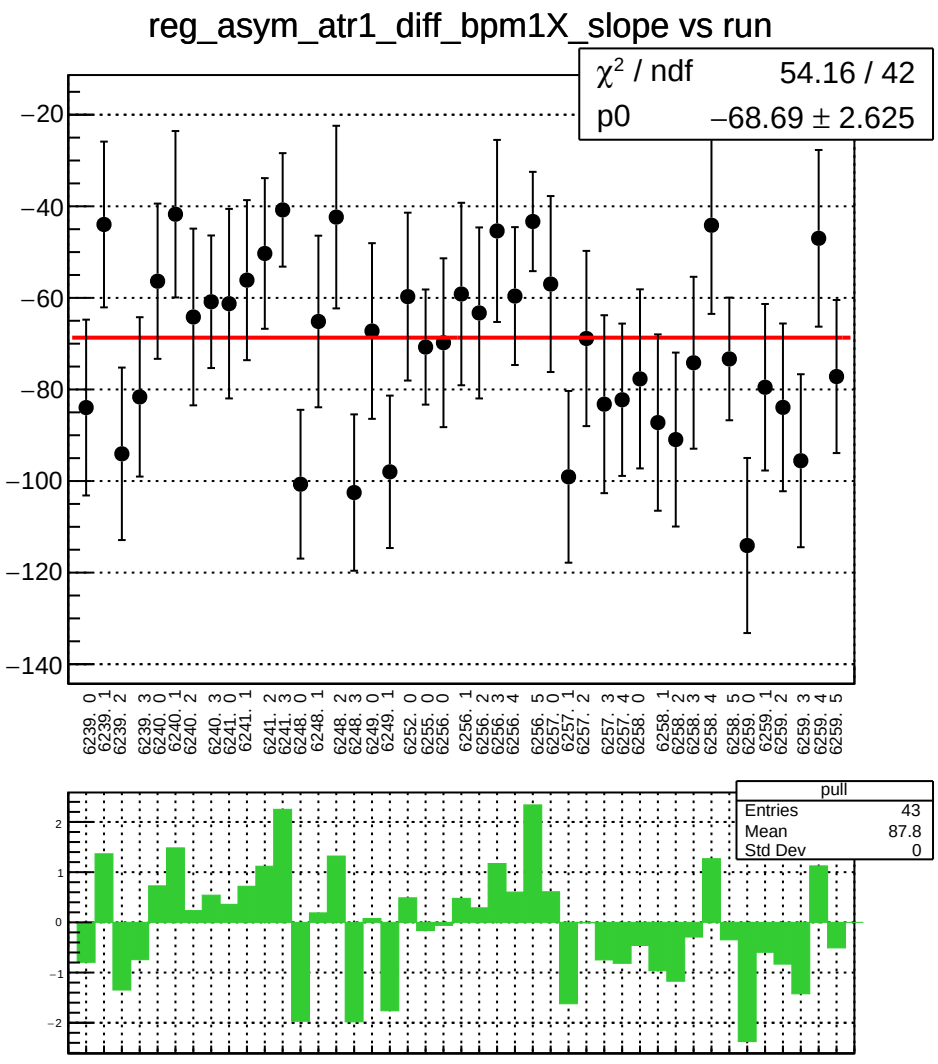

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 31.1 / 42
p0 340.7 ± 6.57
pull
Entries 43
Mean 164.9
Std Dev 0

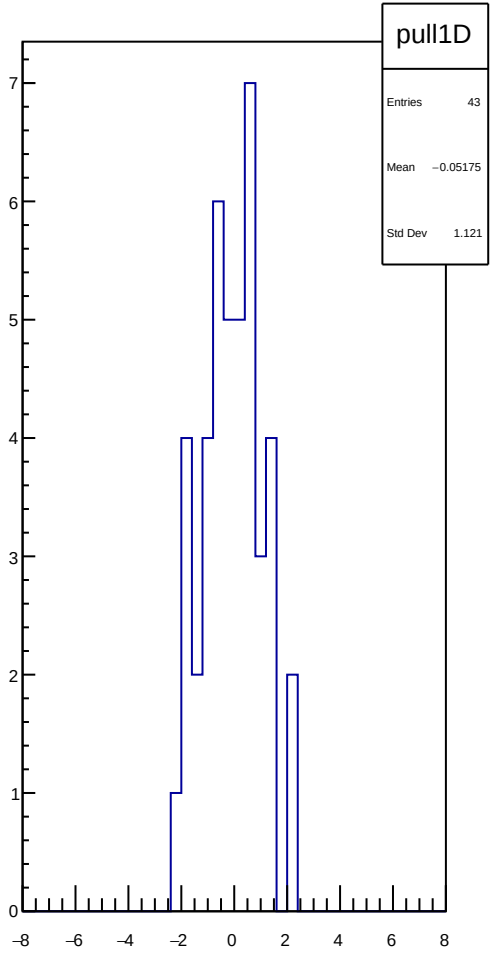

pull1D
Entries 43
Mean 0.03619
Std Dev 0.8497

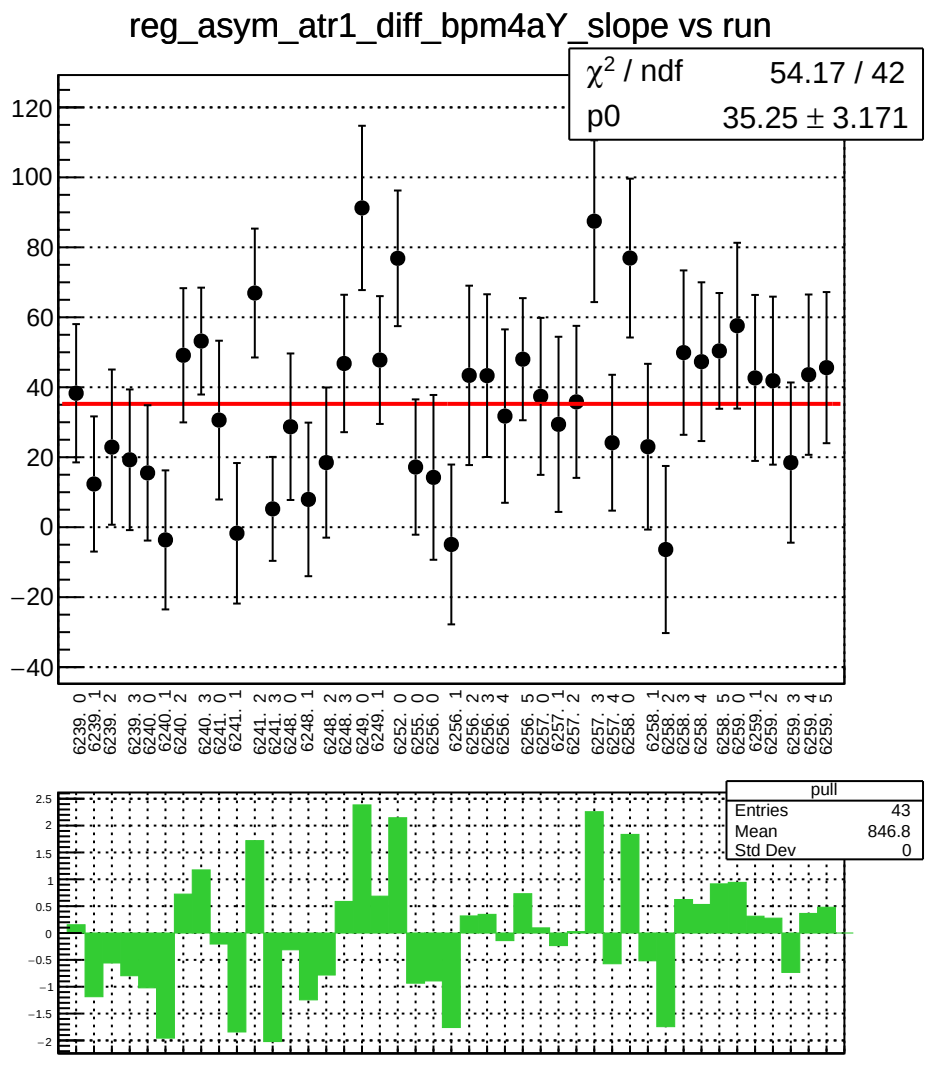

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 23.15 / 42
p0 115.7 ± 7.178
200
150
100
50
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 117.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.05295
Std Dev 0.7318
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

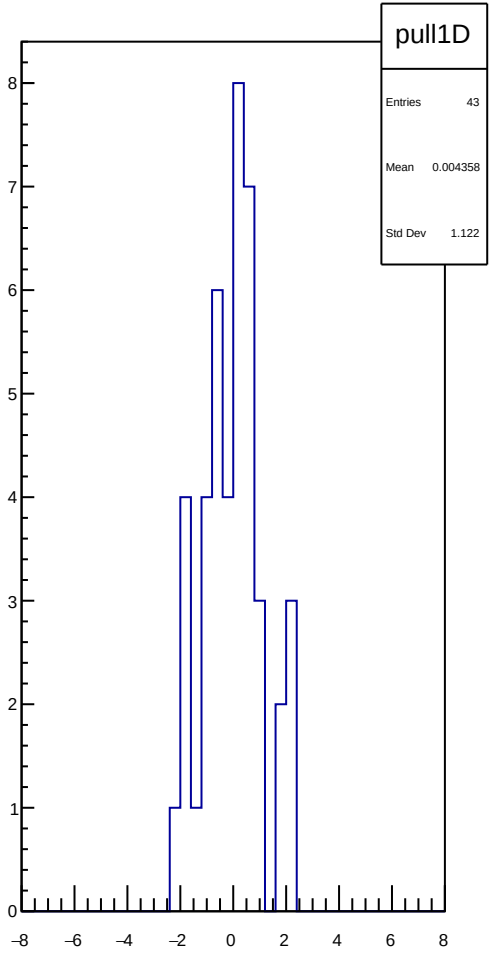

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 21.57 / 42
p0 −190.7 ± 0.5498
pull
Entries 43
Mean 130.3
Std Dev 0

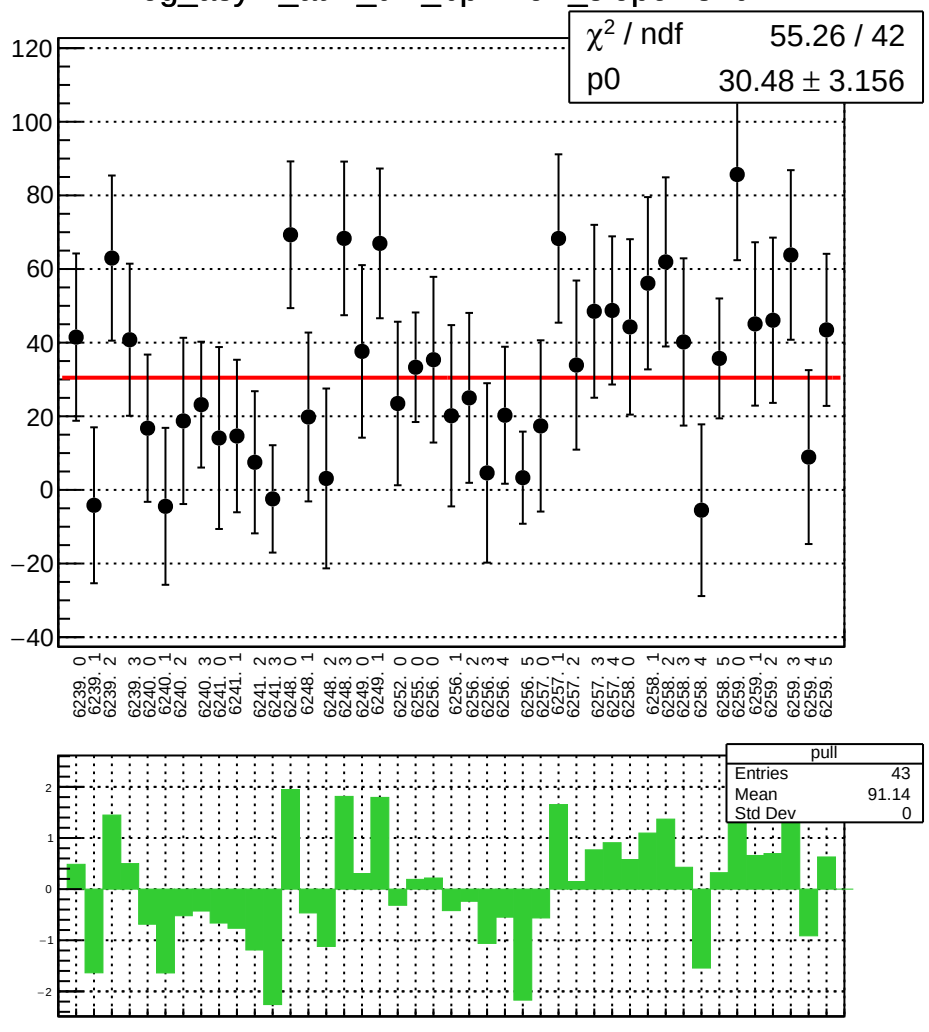

pull1D
Entries 43
Mean −0.01504
Std Dev 0.7081

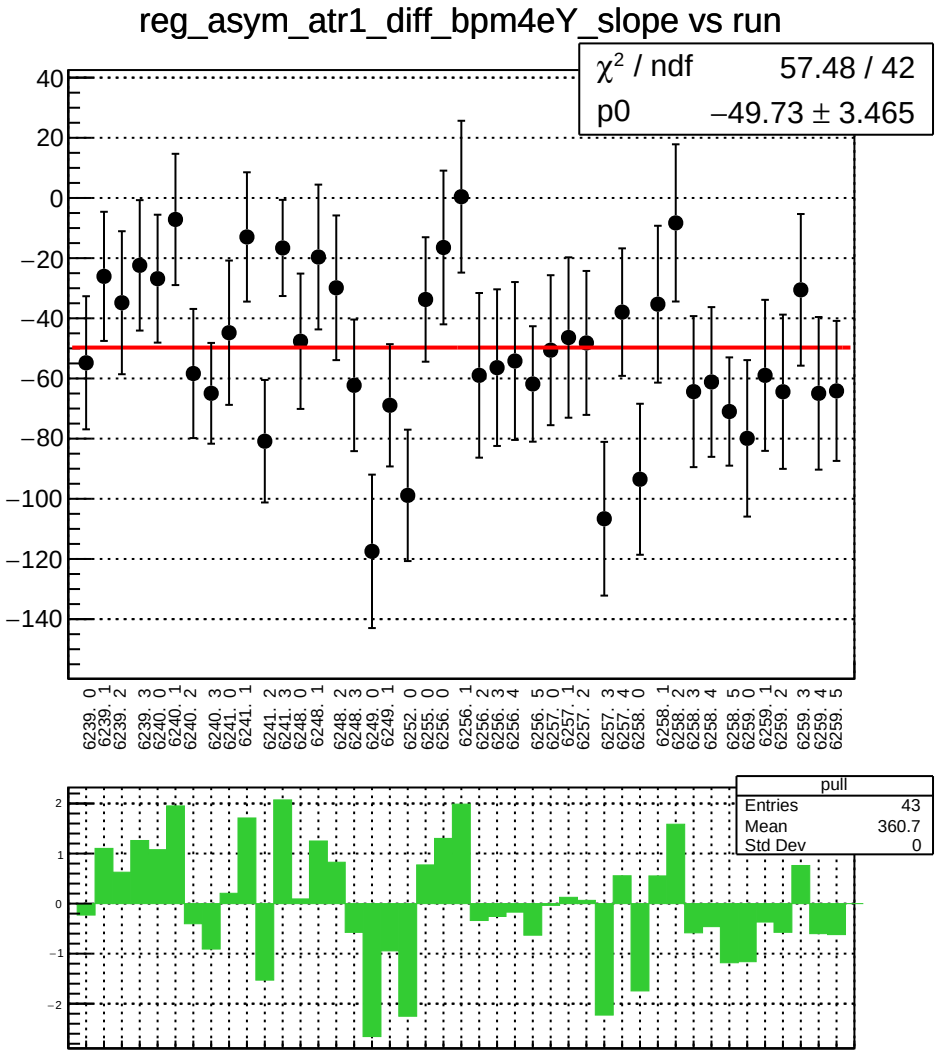

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 54.16 / 42
p0 −68.69 ± 2.625
pull
Entries 43
Mean 87.8
Std Dev 0

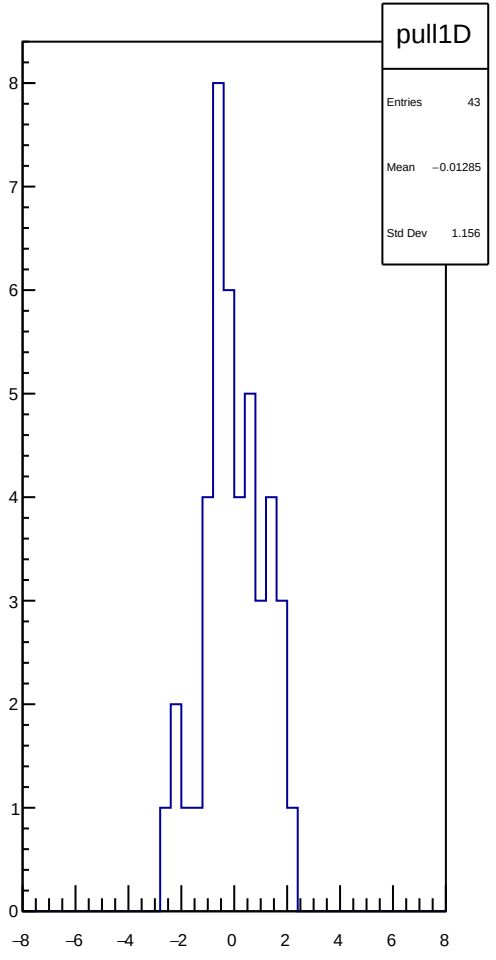

pull1D
Entries 43
Mean −0.05175
Std Dev 1.121

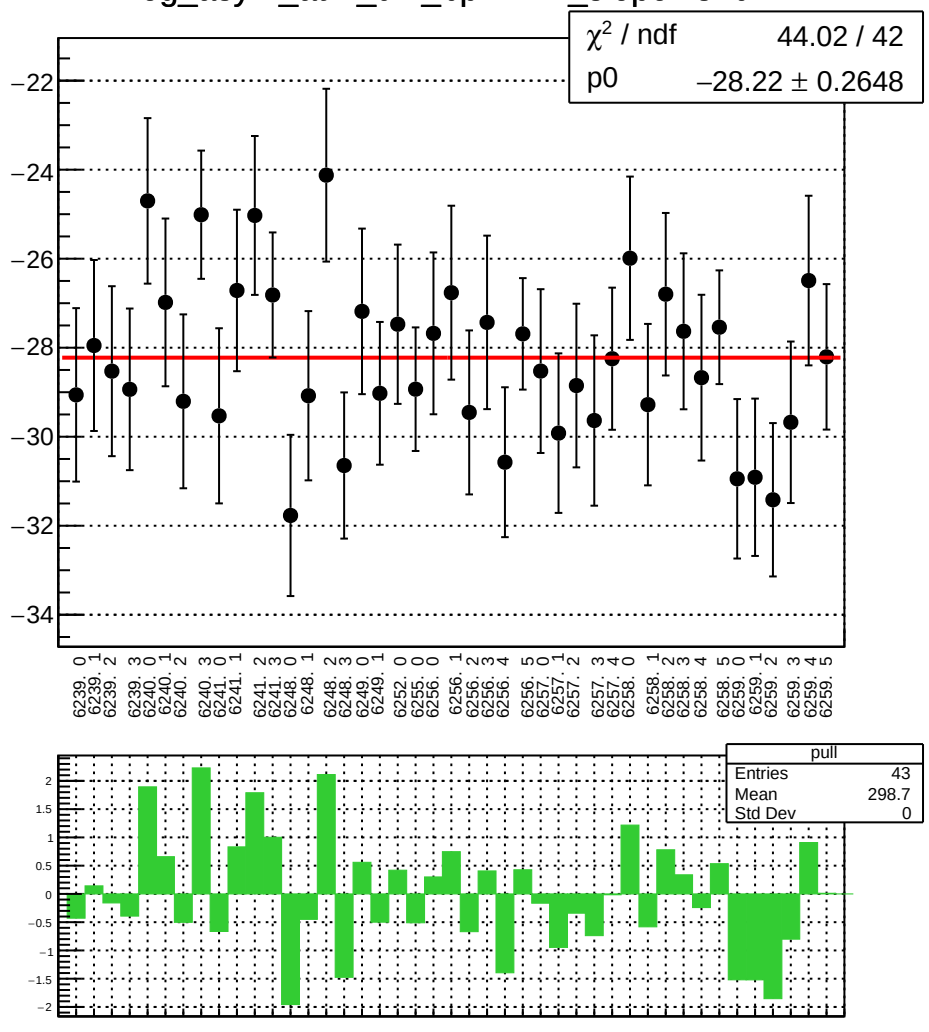

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 54.17 / 42
p0 35.25 ± 3.171
120
100
80
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 846.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

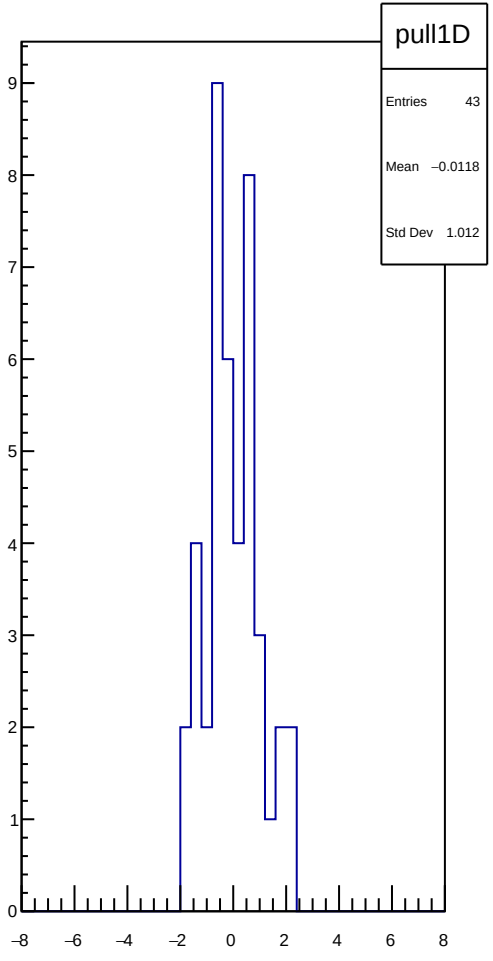

pull1D
Entries 43
Mean 0.004358
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

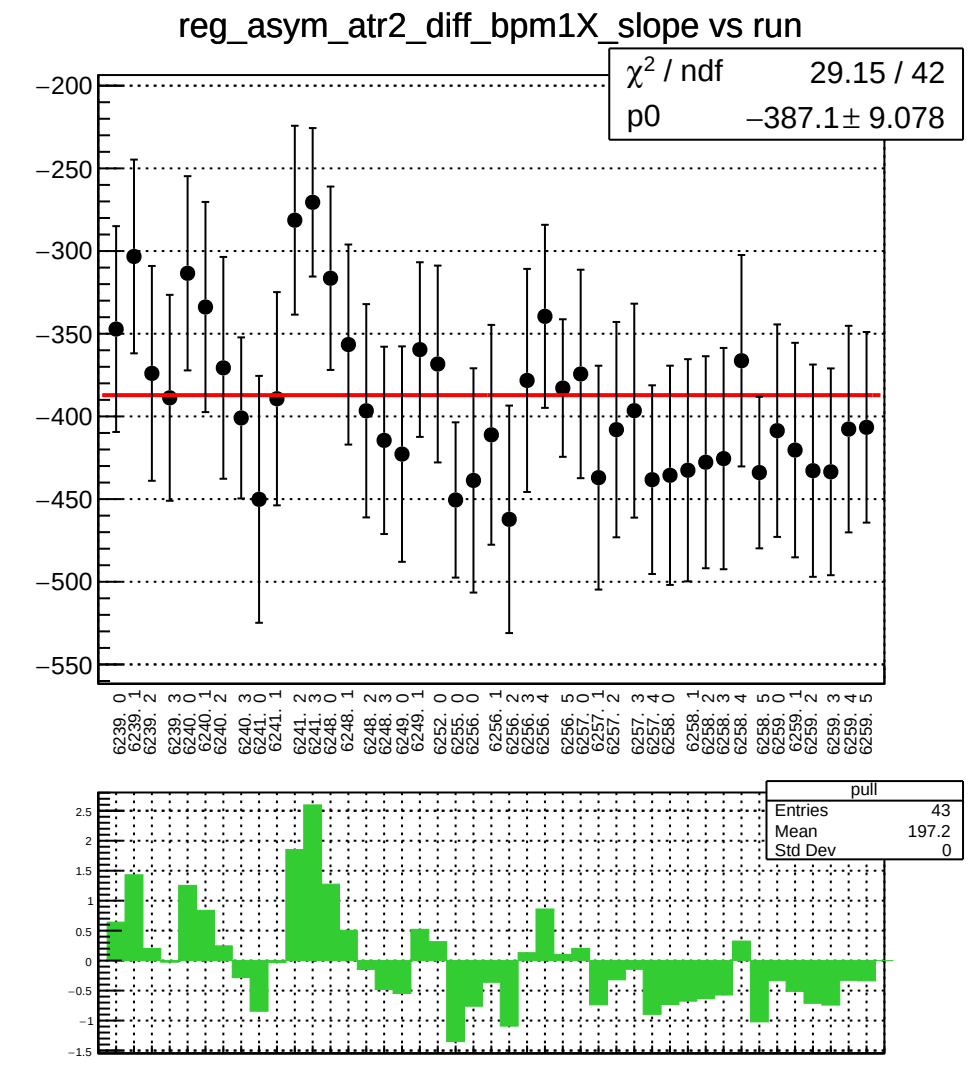

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 55.26 / 42
p0 30.48 ± 3.156
pull
Entries 43
Mean 91.14
Std Dev 0
pull1D
Entries 43
Mean 0.06108
Std Dev 1.132

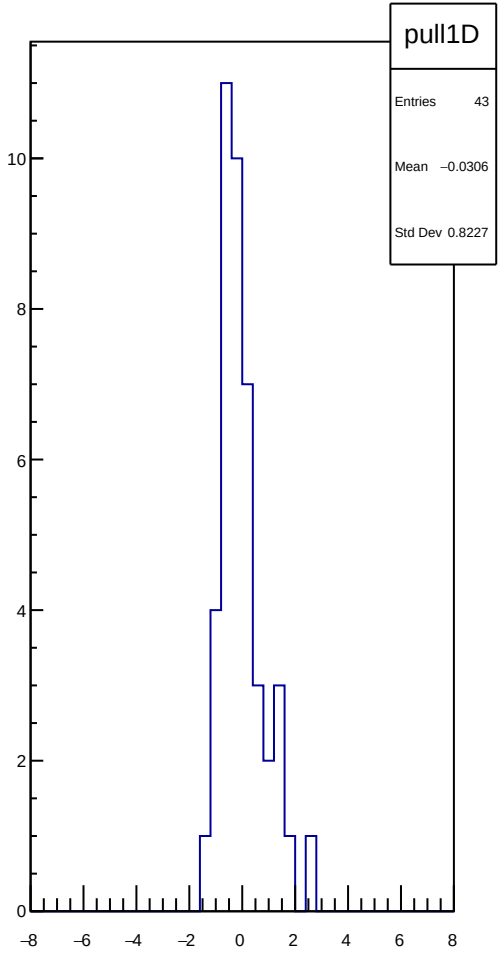

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.48 / 42
p0 −49.73 ± 3.465
pull
Entries 43
Mean 360.7
Std Dev 0

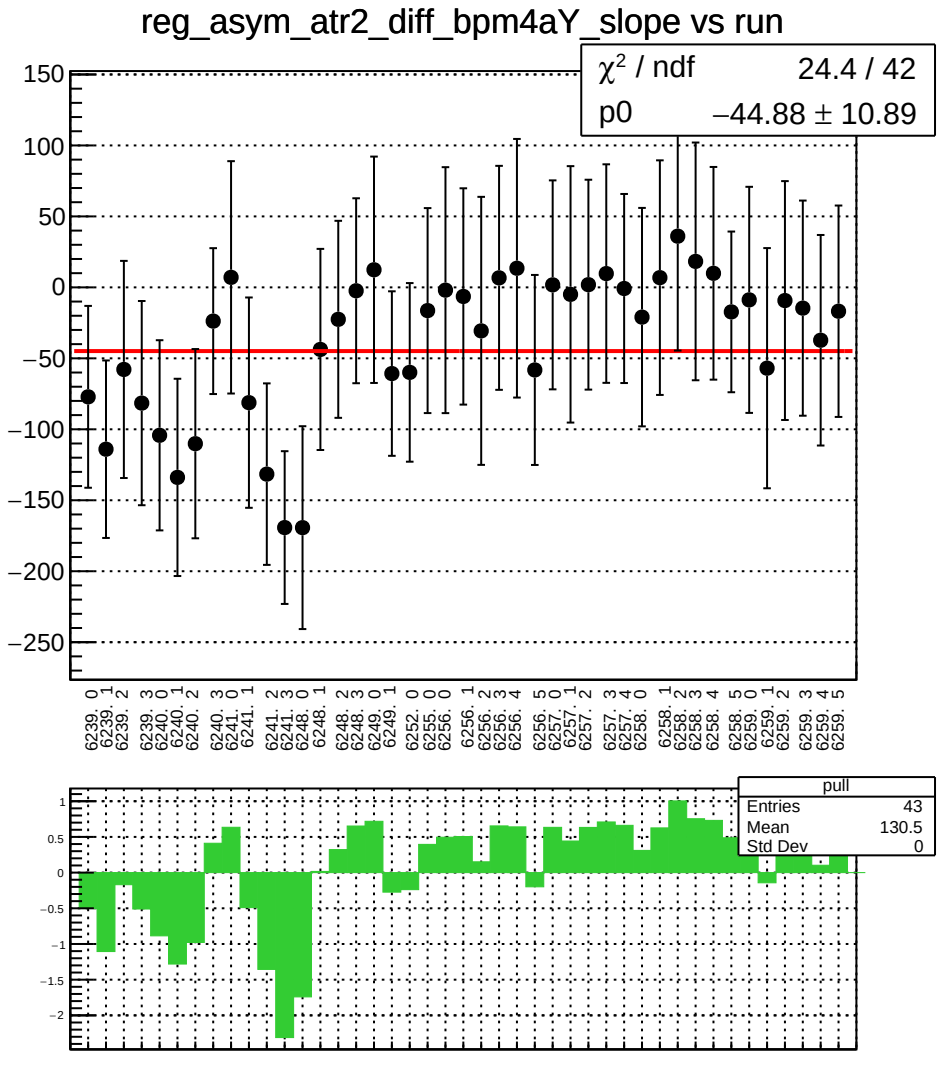

pull1D
Entries 43
Mean −0.01285
Std Dev 1.156

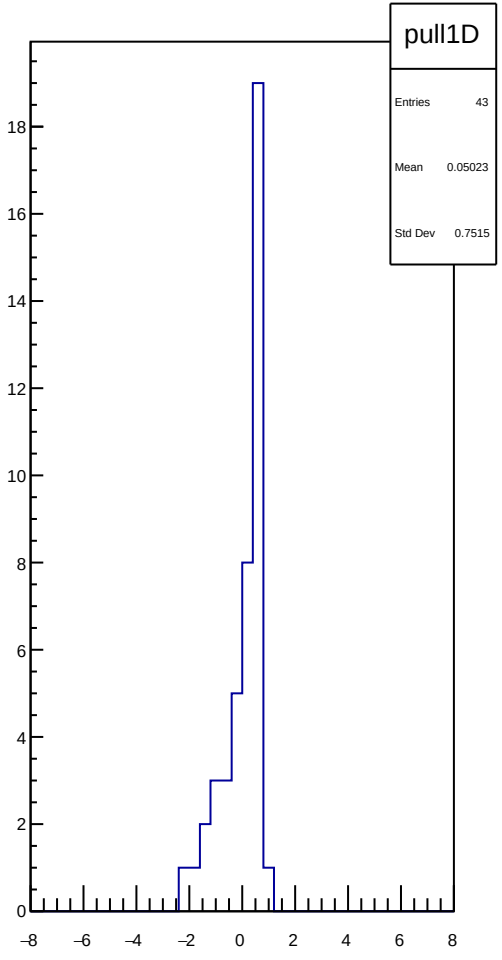

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 44.02 / 42
p0 −28.22 ± 0.2648
pull
Entries 43
Mean 298.7
Std Dev 0

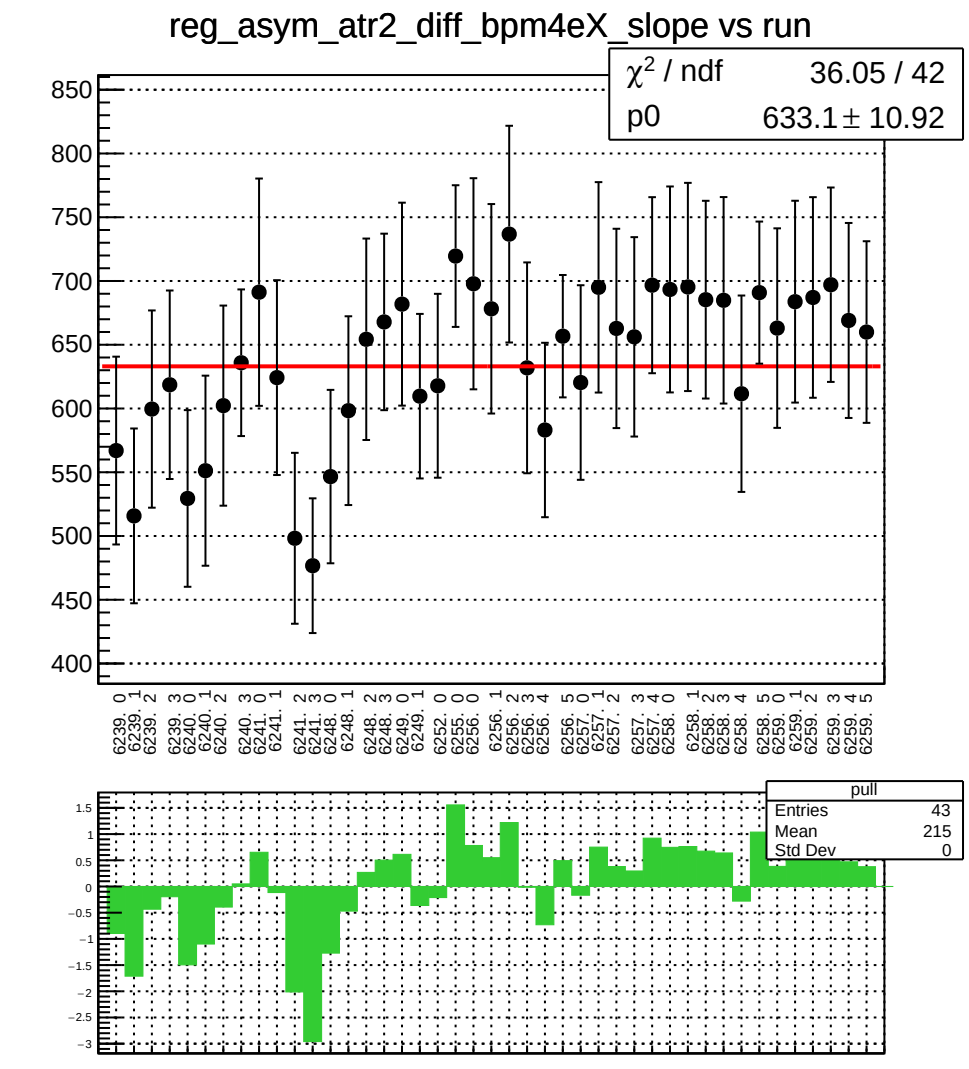

pull1D
Entries 43
Mean −0.0118
Std Dev 1.012

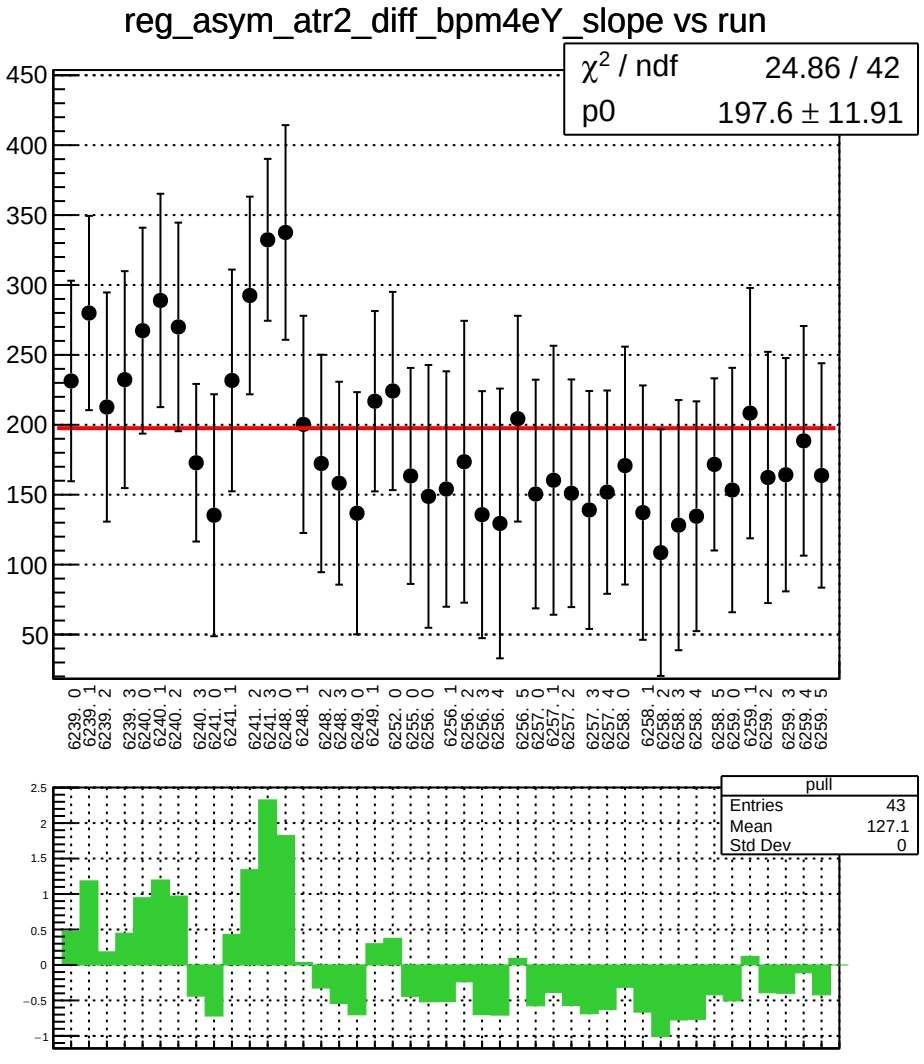

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 29.15 / 42
p0 −387.1± 9.078
pull
Entries 43
Mean 197.2
Std Dev 0

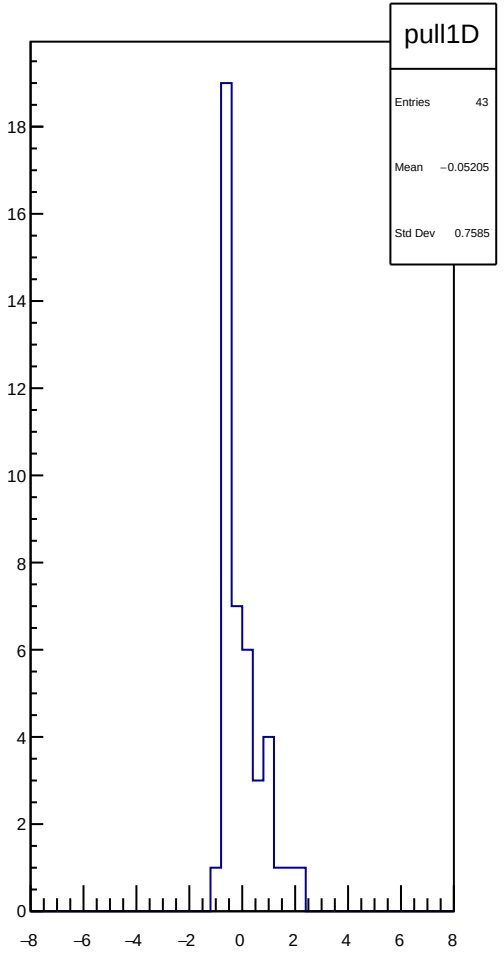

pull1D
Entries 43
Mean −0.0306
Std Dev 0.8227

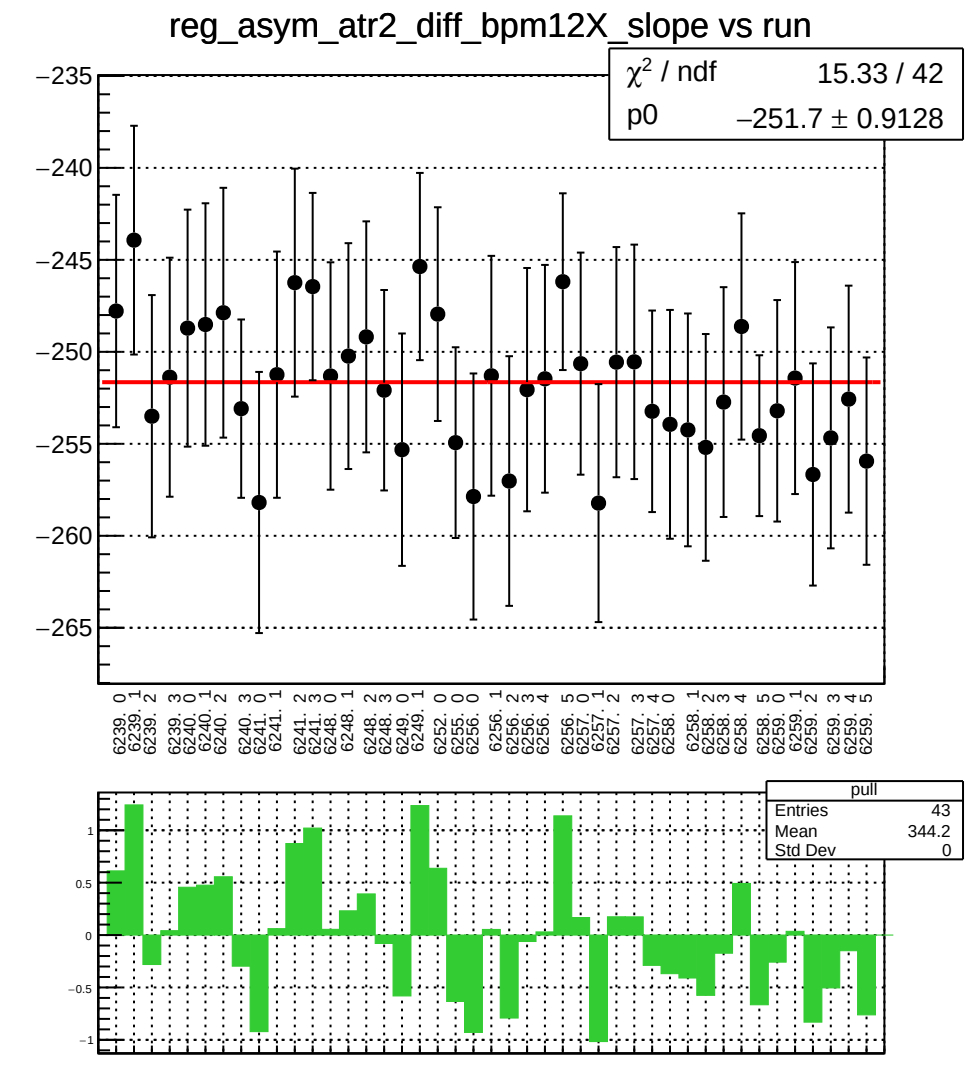

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 24.4 / 42
p0 −44.88 ± 10.89
150
100
50
0
−50
−100
−150
−200
−250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 130.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

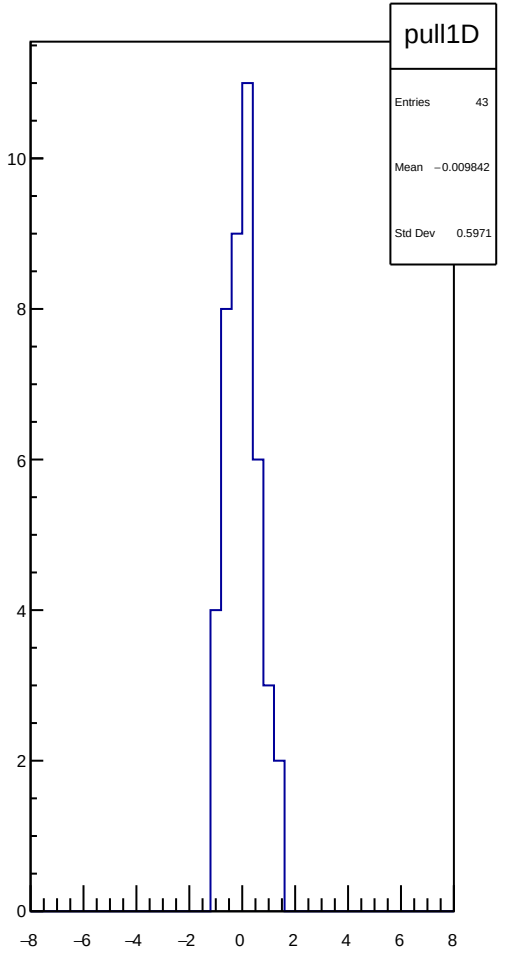

pull1D
Entries 43
Mean 0.05023
Std Dev 0.7515
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

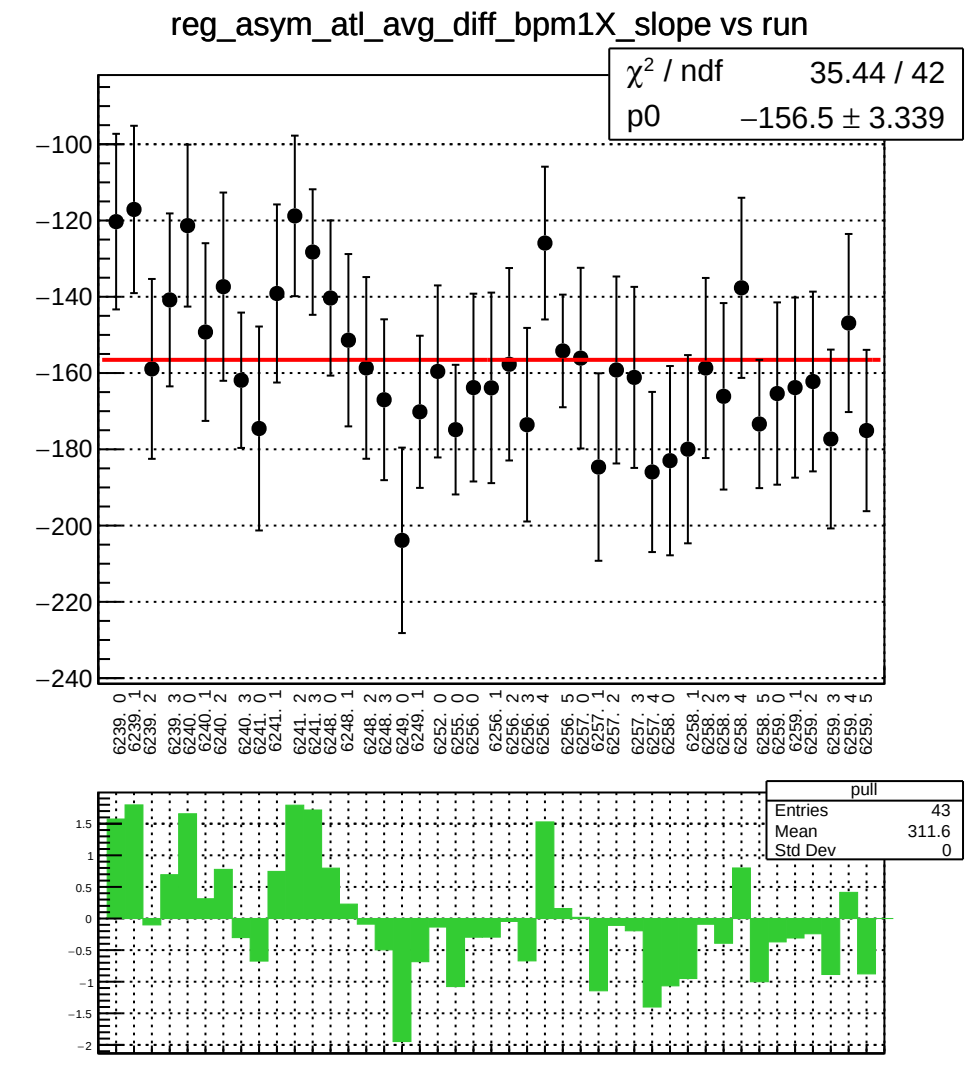

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 36.05 / 42
p0 633.1 ± 10.92
pull
Entries 43
Mean 215
Std Dev 0
pull1D
Entries 43
Mean 0.03457
Std Dev 0.9149

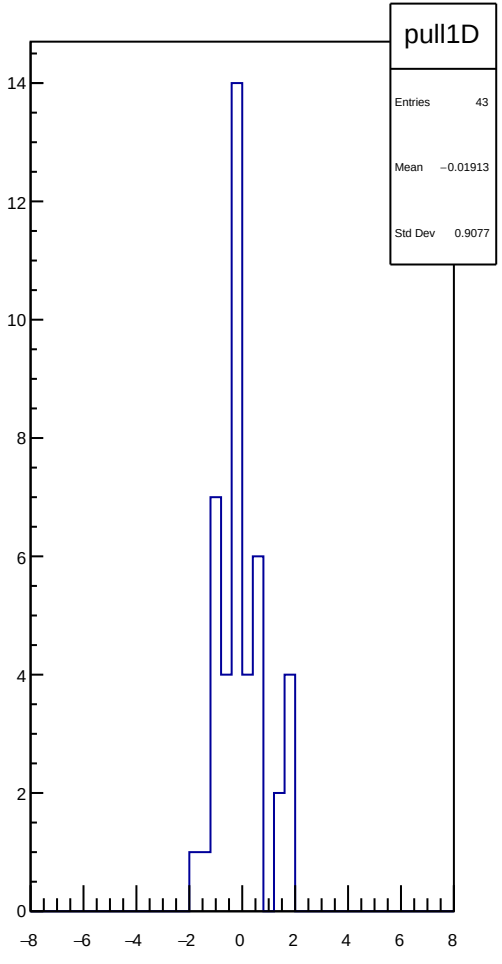

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 24.86 / 42
p0 197.6 ± 11.91
pull
Entries 43
Mean 127.1
Std Dev 0

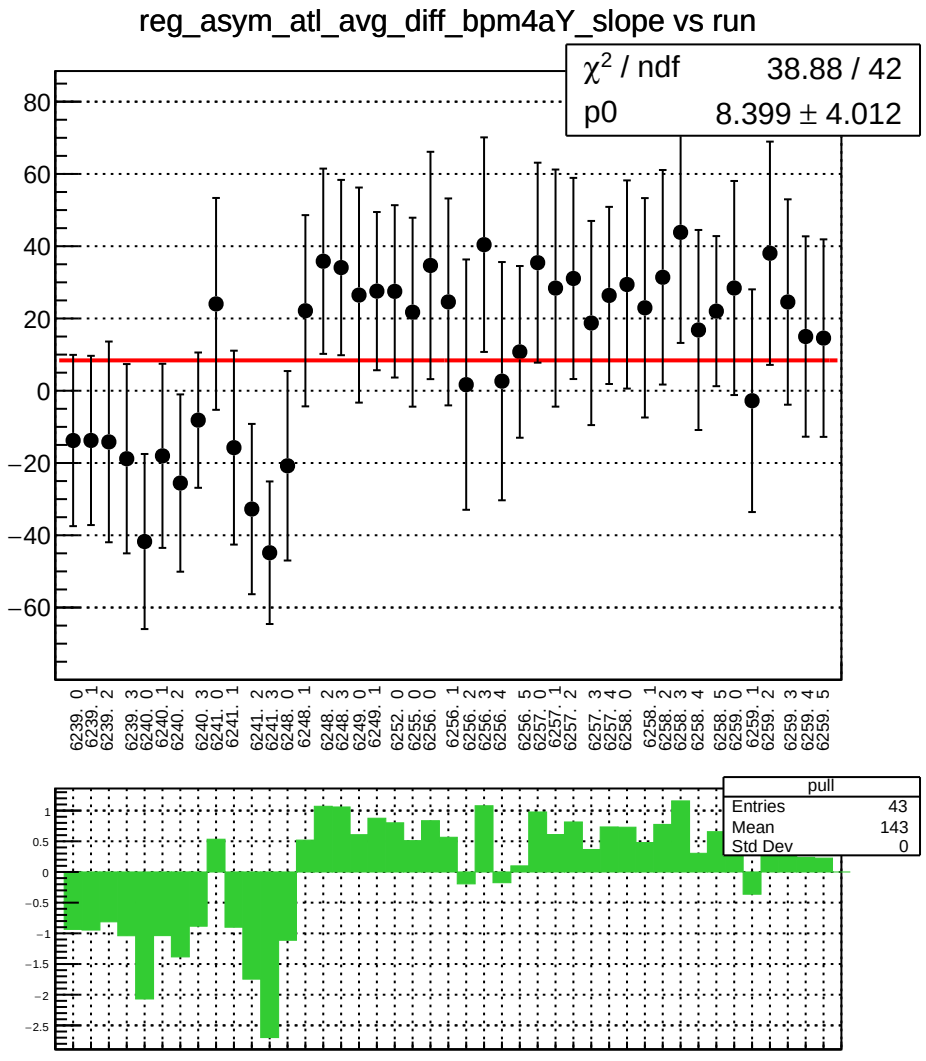

pull1D
Entries 43
Mean −0.05205
Std Dev 0.7585

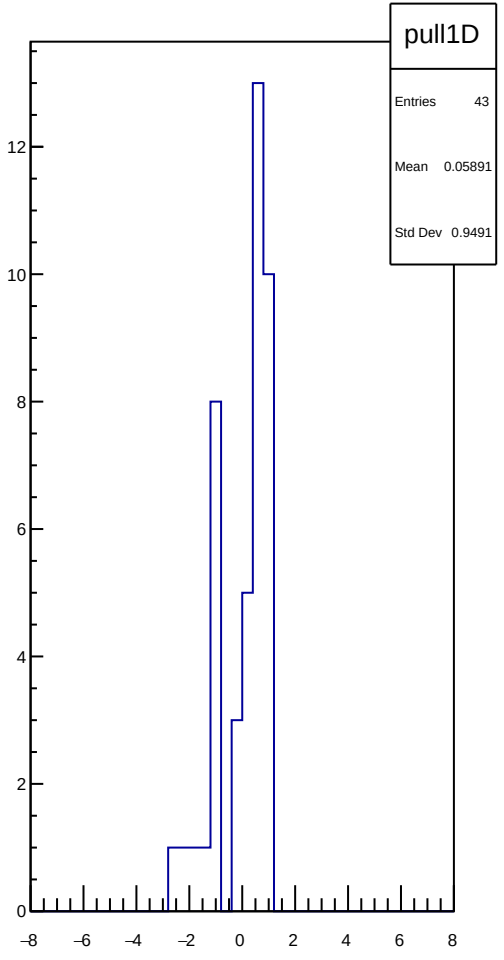

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.33 / 42
p0 −251.7 ± 0.9128
−235
−240
−245
−250
−255
−260
−265
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 344.2
Std Dev 0
1
0.5
0
−0.5
−1

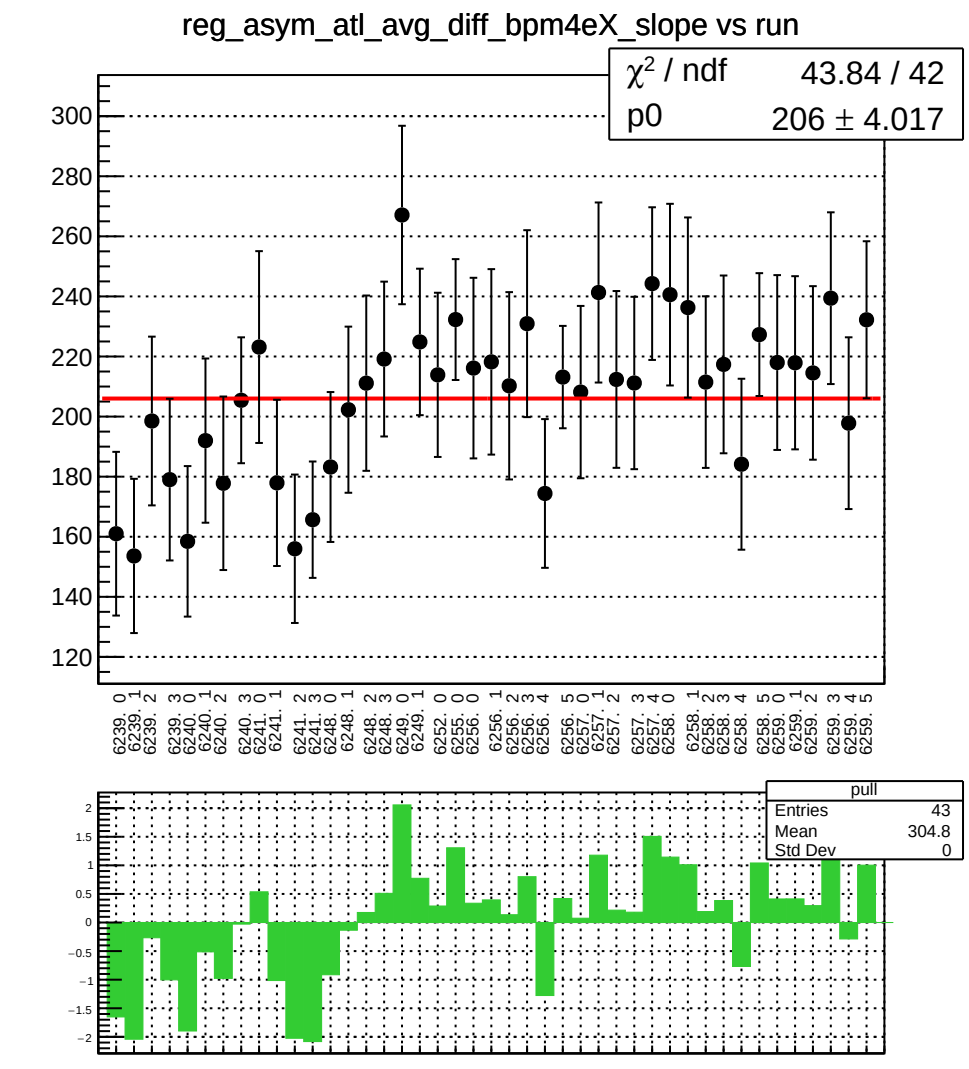

pull1D
Entries 43
Mean −0.009842
Std Dev 0.5971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

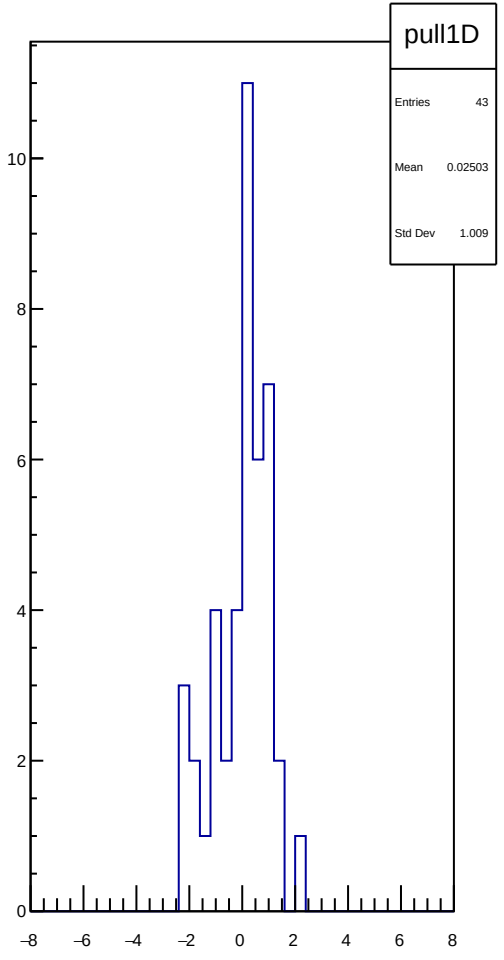

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 35.44 / 42
p0 −156.5 ± 3.339
pull
Entries 43
Mean 311.6
Std Dev 0

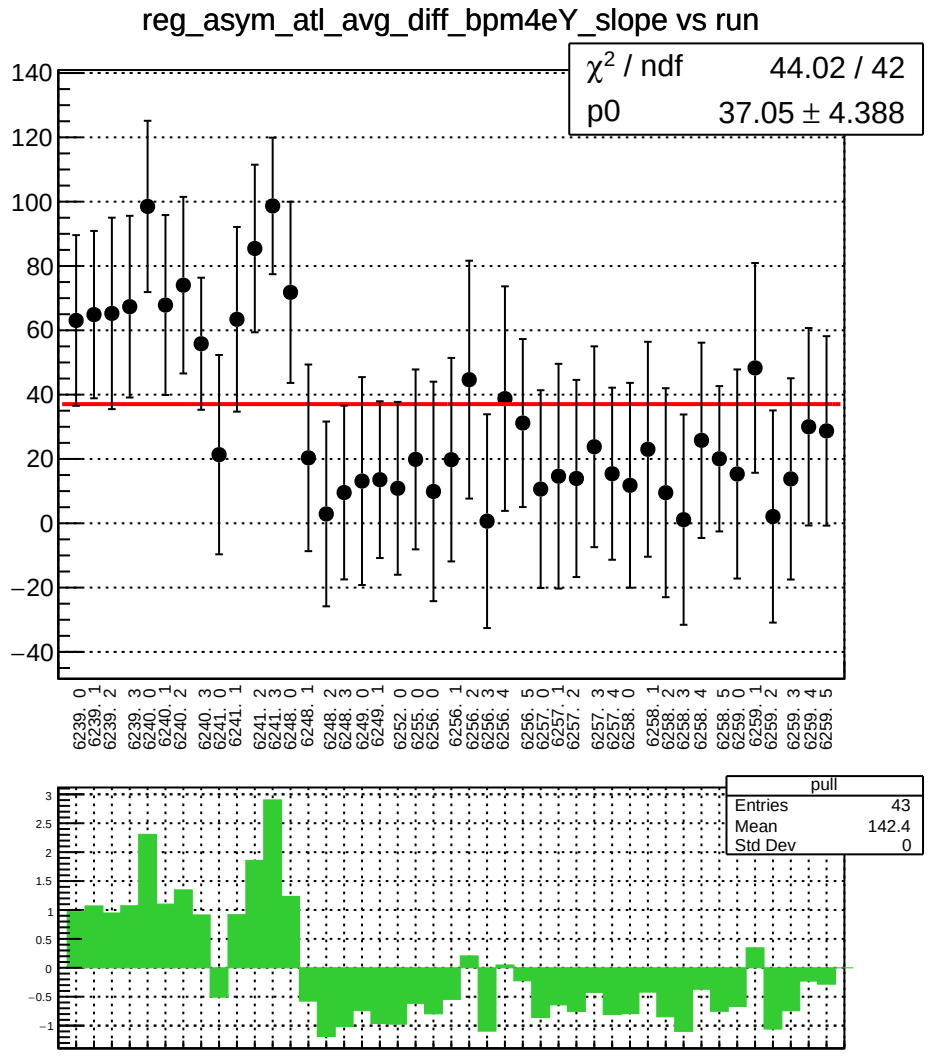

pull1D
Entries 43
Mean −0.01913
Std Dev 0.9077

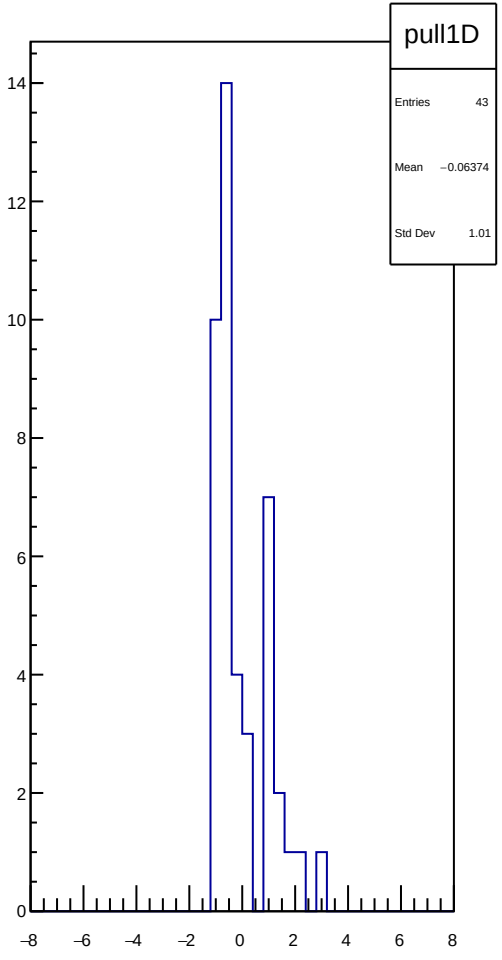

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.88 / 42
p0 8.399 ± 4.012
pull
Entries 43
Mean 143
Std Dev 0

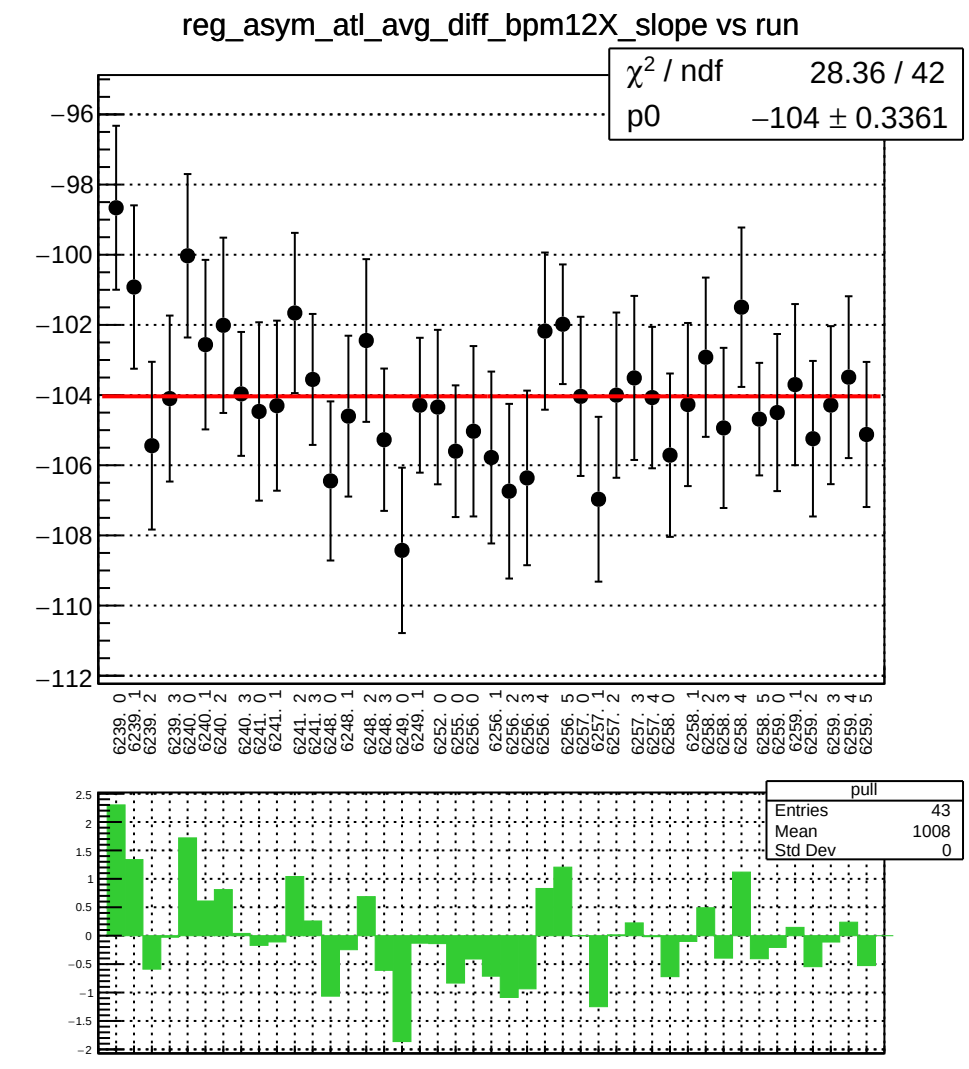

pull1D
Entries 43
Mean 0.05891
Std Dev 0.9491

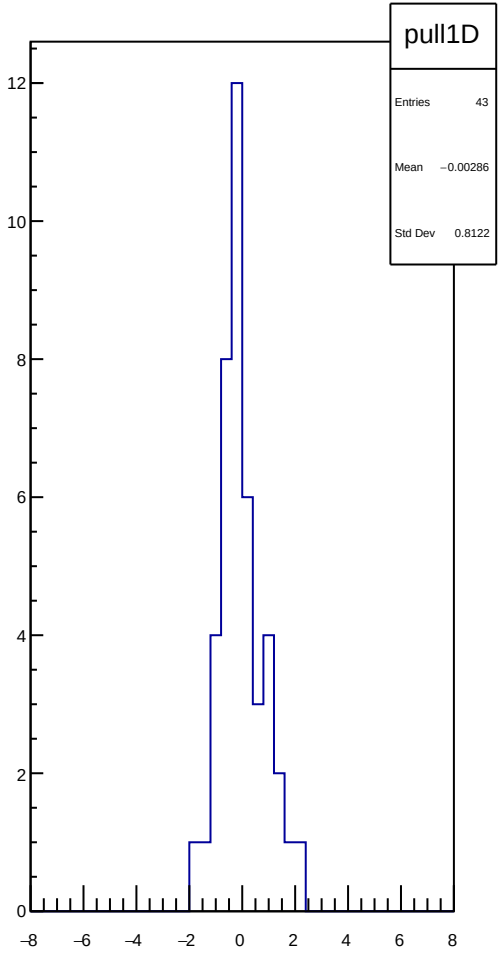

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.84 / 42
p0 206 ± 4.017
pull
Entries 43
Mean 304.8
Std Dev 0

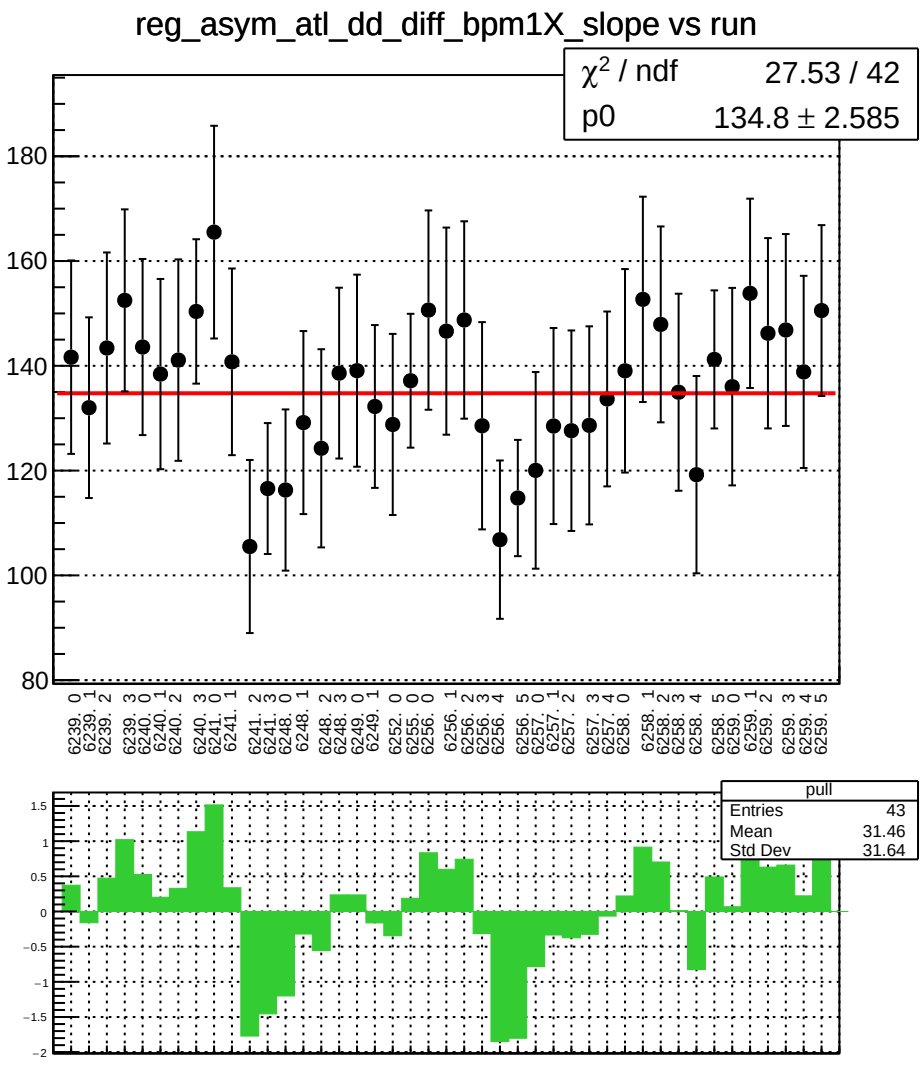

pull1D
Entries 43
Mean 0.02503
Std Dev 1.009

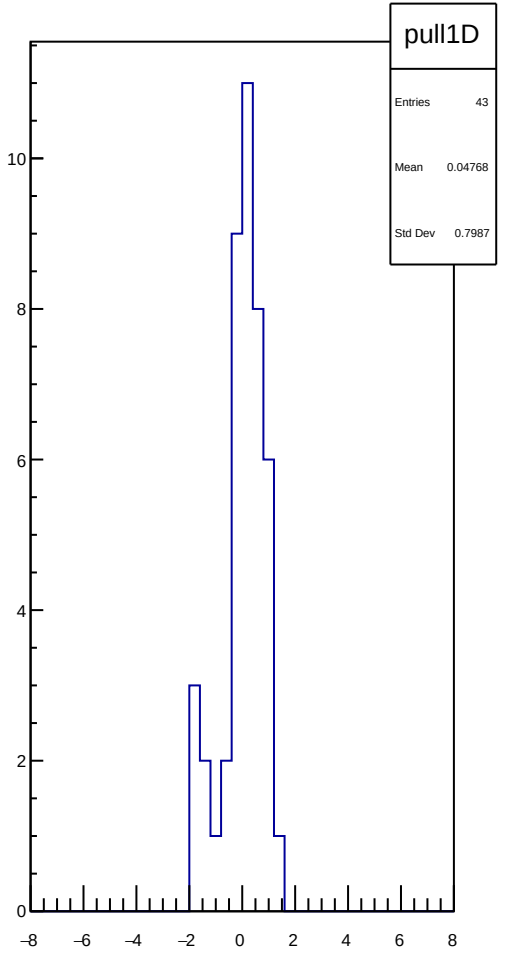

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.02 / 42
p0 37.05 ± 4.388
pull
Entries 43
Mean 142.4
Std Dev 0

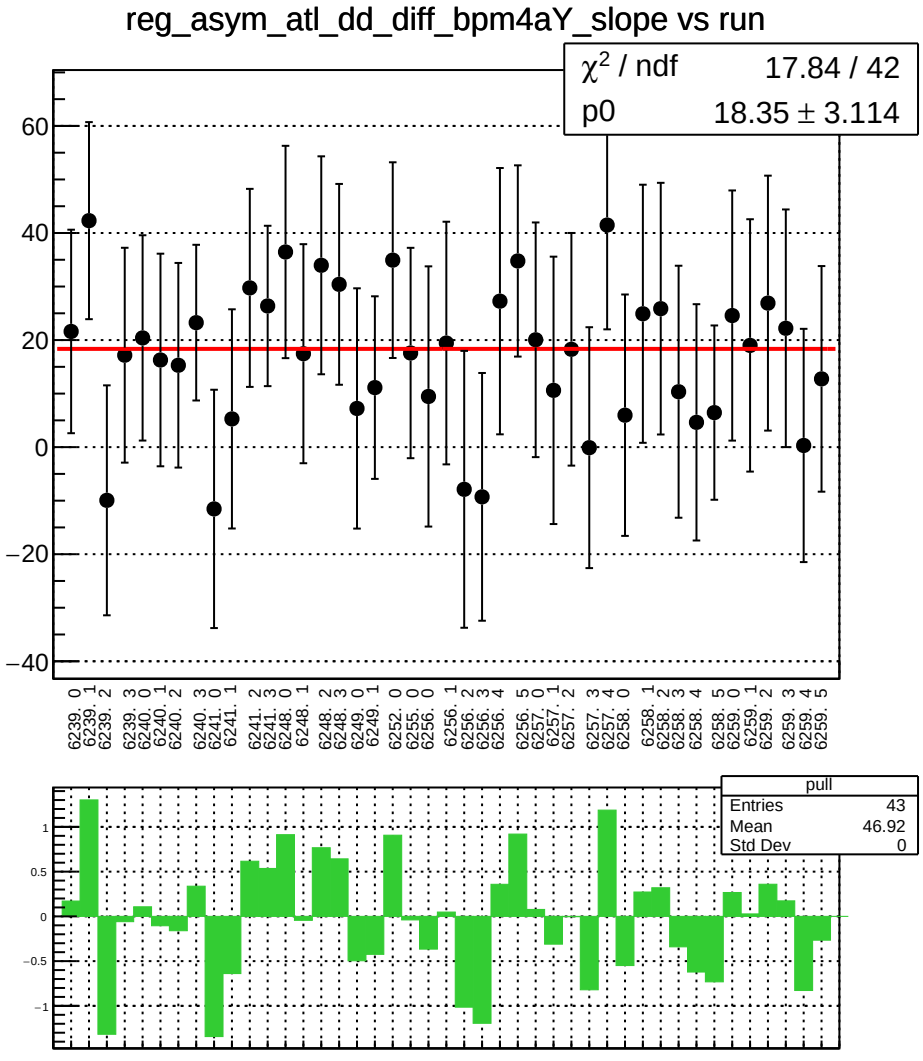

pull1D
Entries 43
Mean −0.06374
Std Dev 1.01

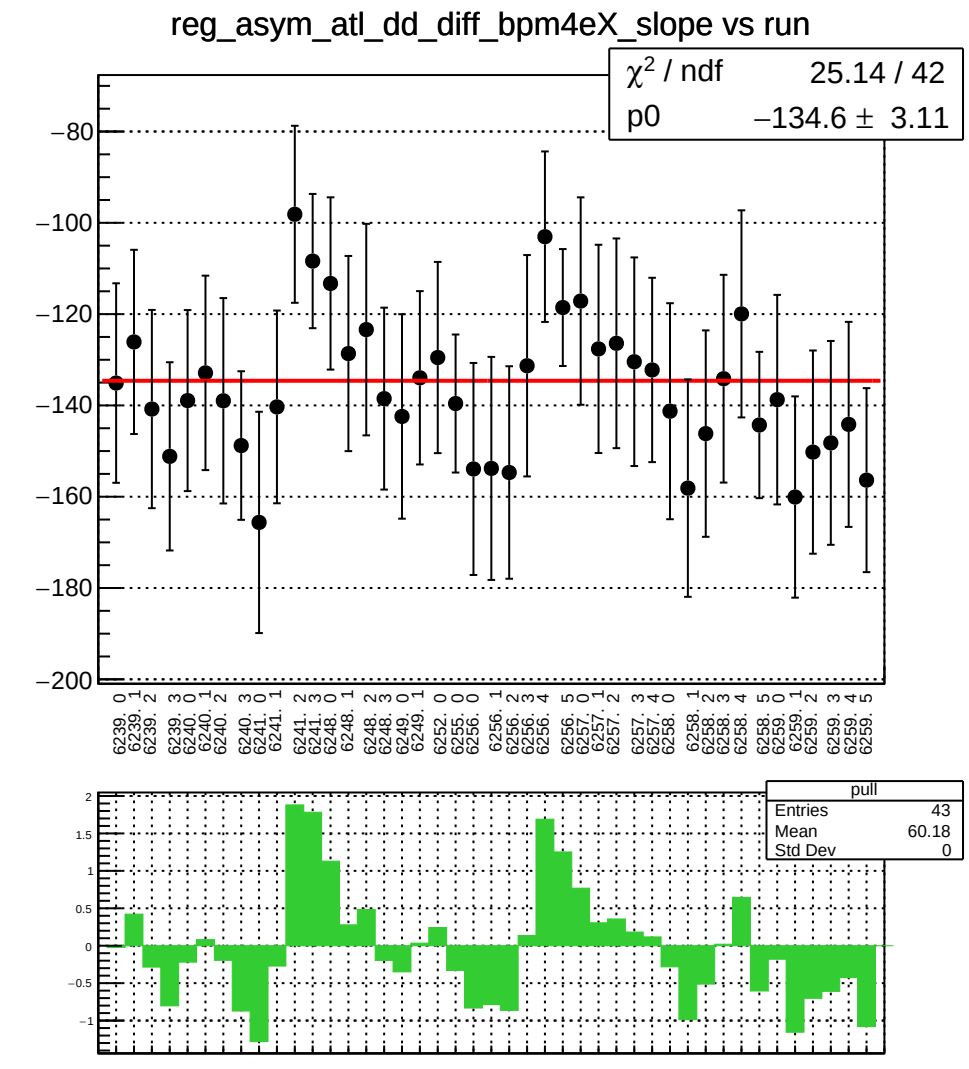

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 28.36 / 42
p0 −104 ± 0.3361
pull
Entries 43
Mean 1008
Std Dev 0

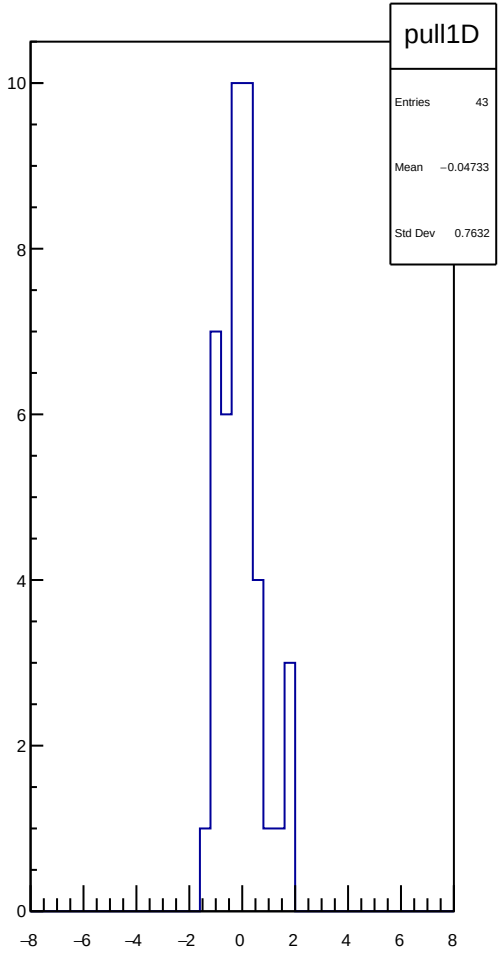

pull1D
Entries 43
Mean −0.00286
Std Dev 0.8122

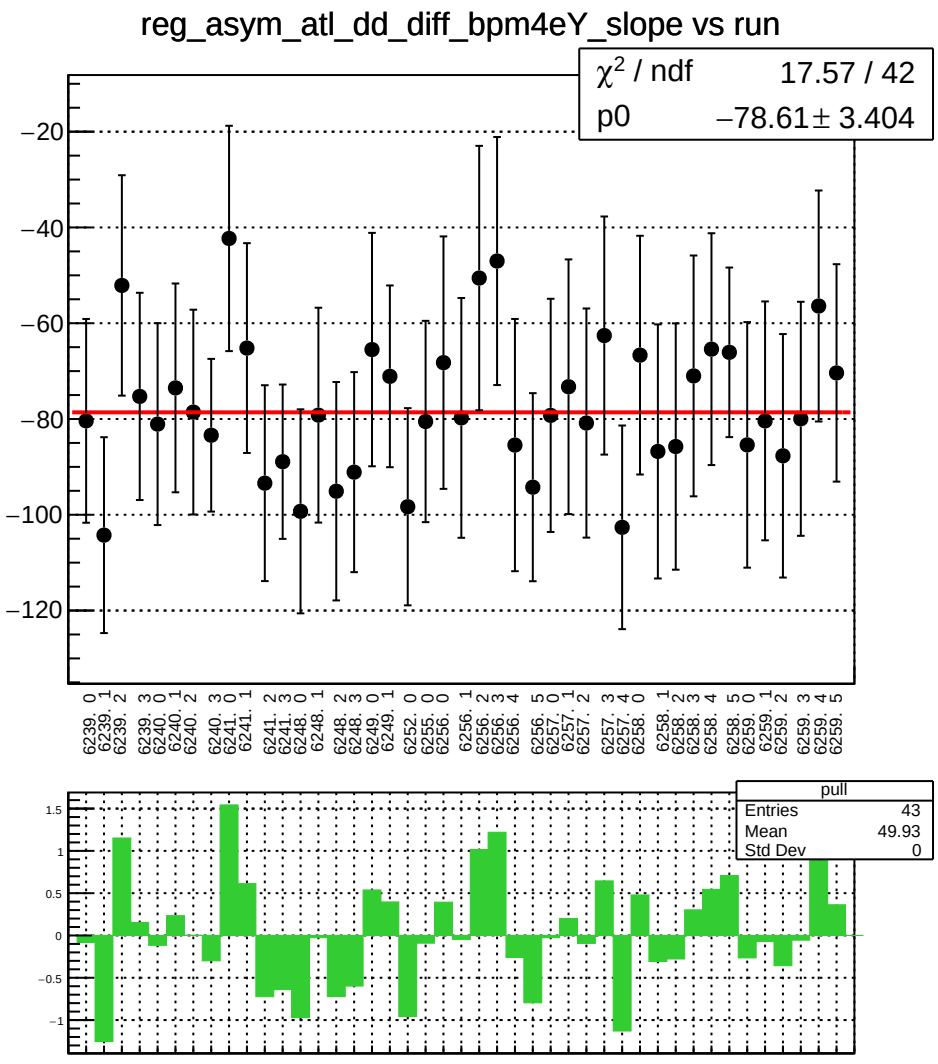

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 27.53 / 42
p0 134.8 ± 2.585
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 31.46
Std Dev 31.64
1.5
1
0.5
0
−0.5
−1
−1.5
−2

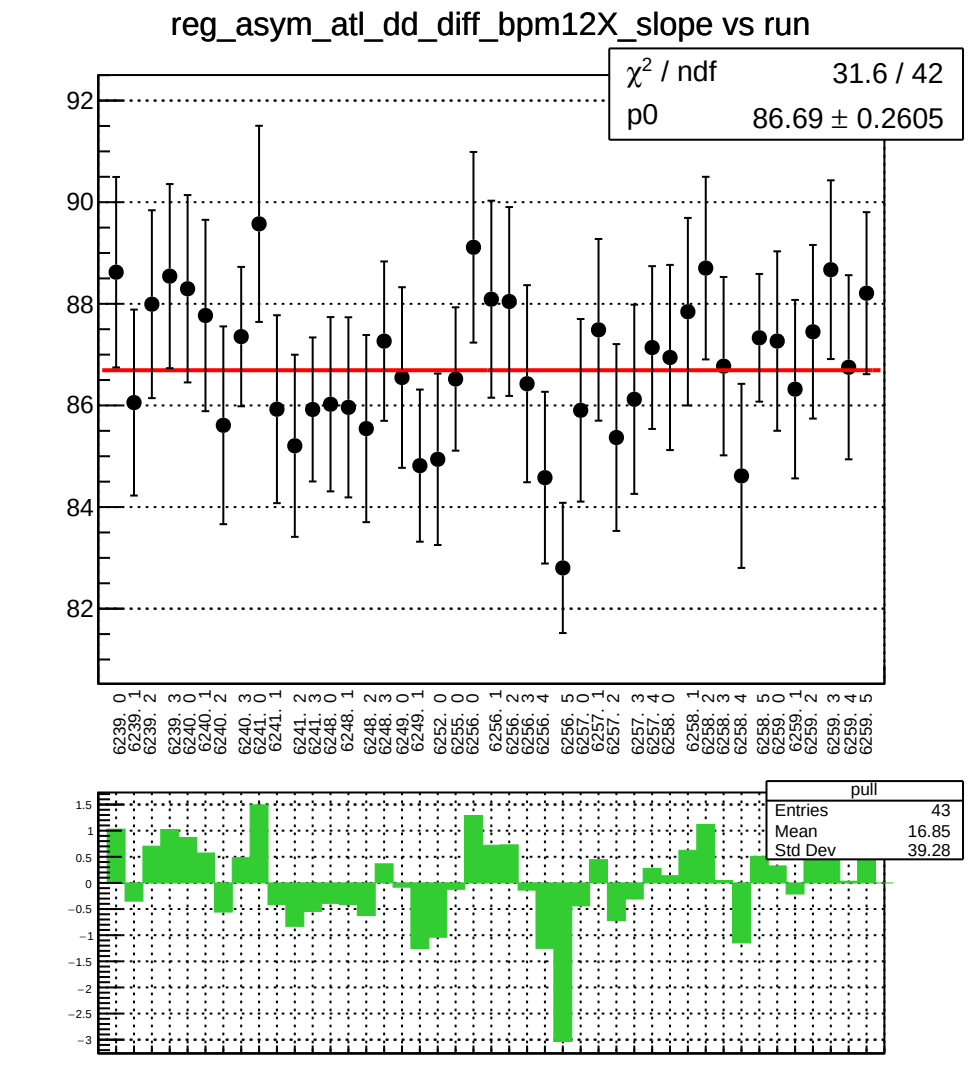

pull1D
Entries 43
Mean 0.04768
Std Dev 0.7987
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

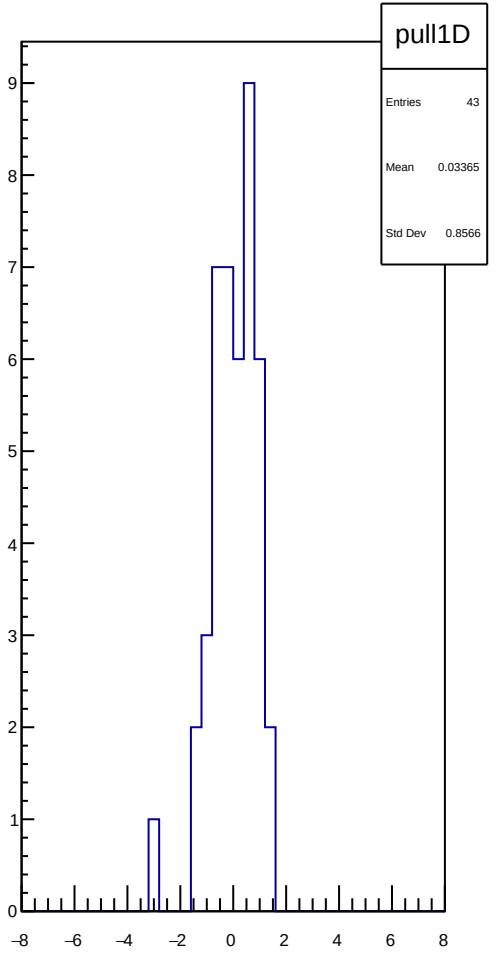

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.84 / 42
p0 18.35 ± 3.114
pull
Entries 43
Mean 46.92
Std Dev 0
pull1D
Entries 43
Mean −0.03169
Std Dev 0.6433

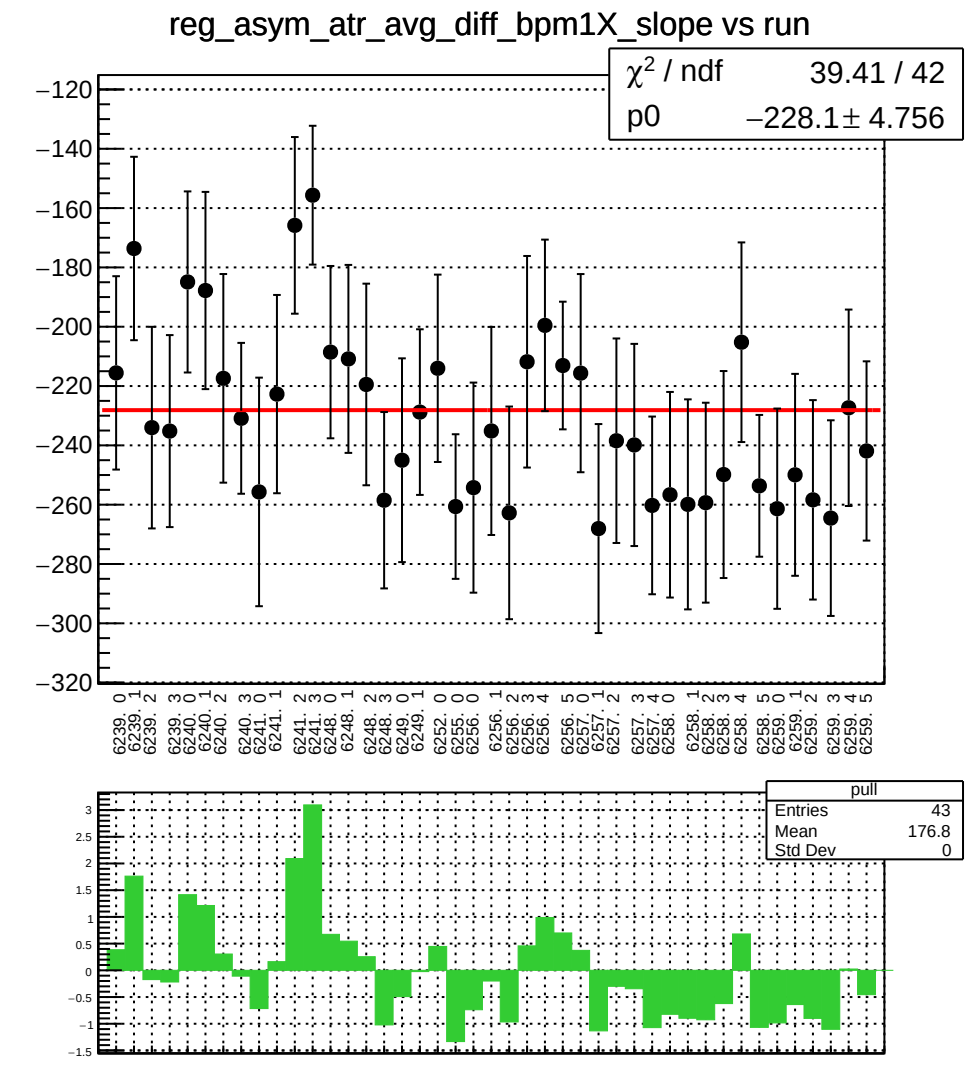

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.14 / 42
p0 −134.6 ± 3.11
−80
−100
−120
−140
−160
−180
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 60.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

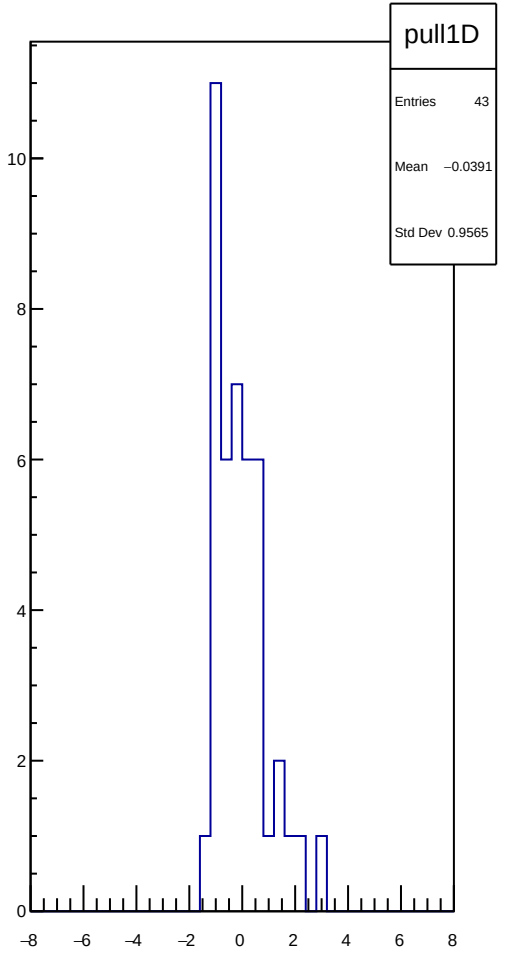

pull1D
Entries 43
Mean −0.04733
Std Dev 0.7632
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

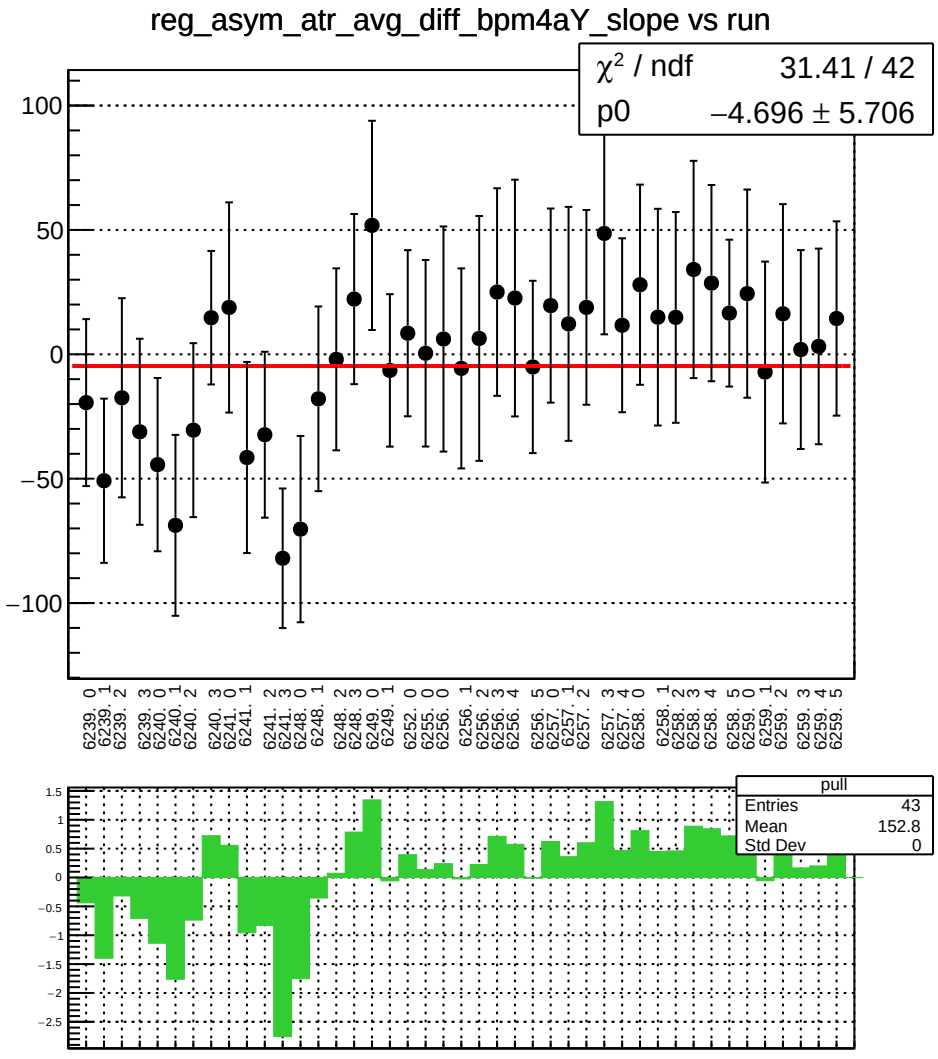

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.57 / 42
p0 −78.61 ± 3.404
−20
−40
−60
−80
−100
−120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 49.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.02925
Std Dev 0.6385
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

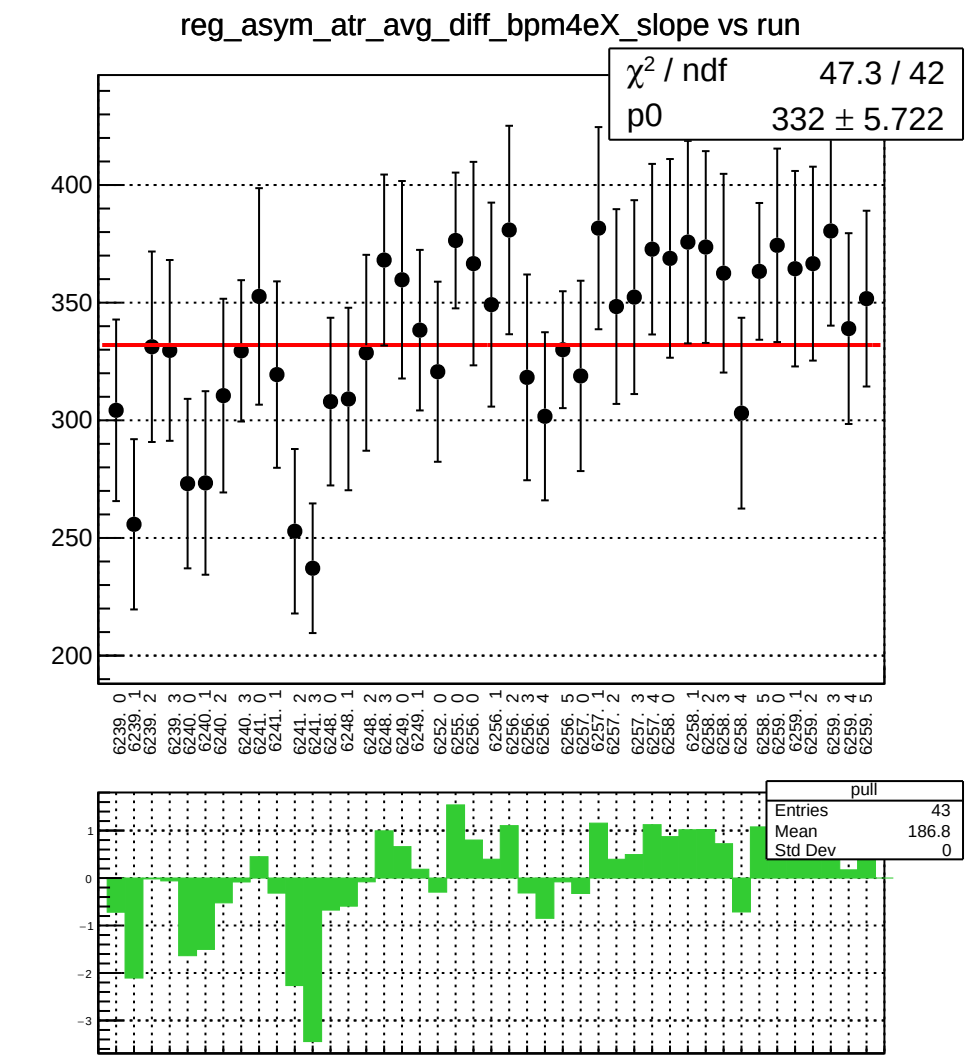

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 31.6 / 42
p0 86.69 ± 0.2605
92
90
88
86
84
82
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.85
Std Dev 39.28
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

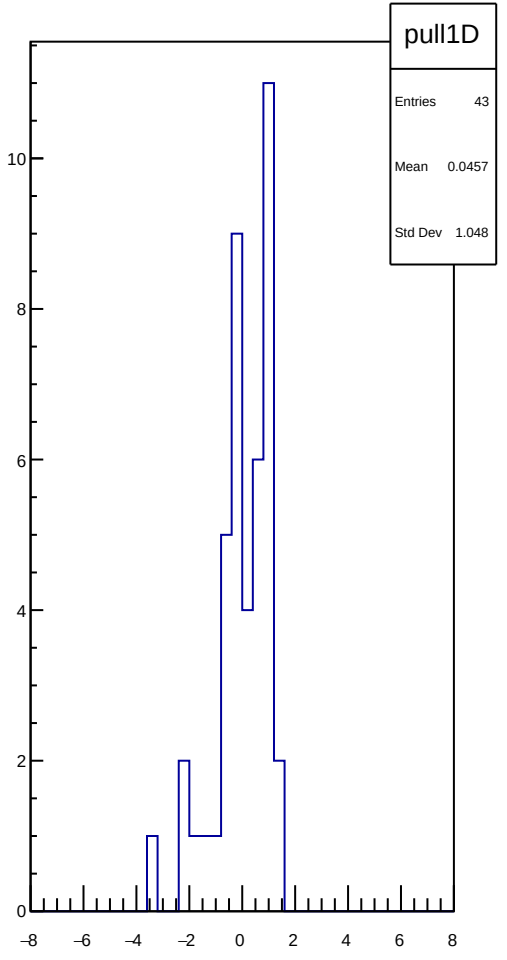

pull1D
Entries 43
Mean 0.03365
Std Dev 0.8566
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

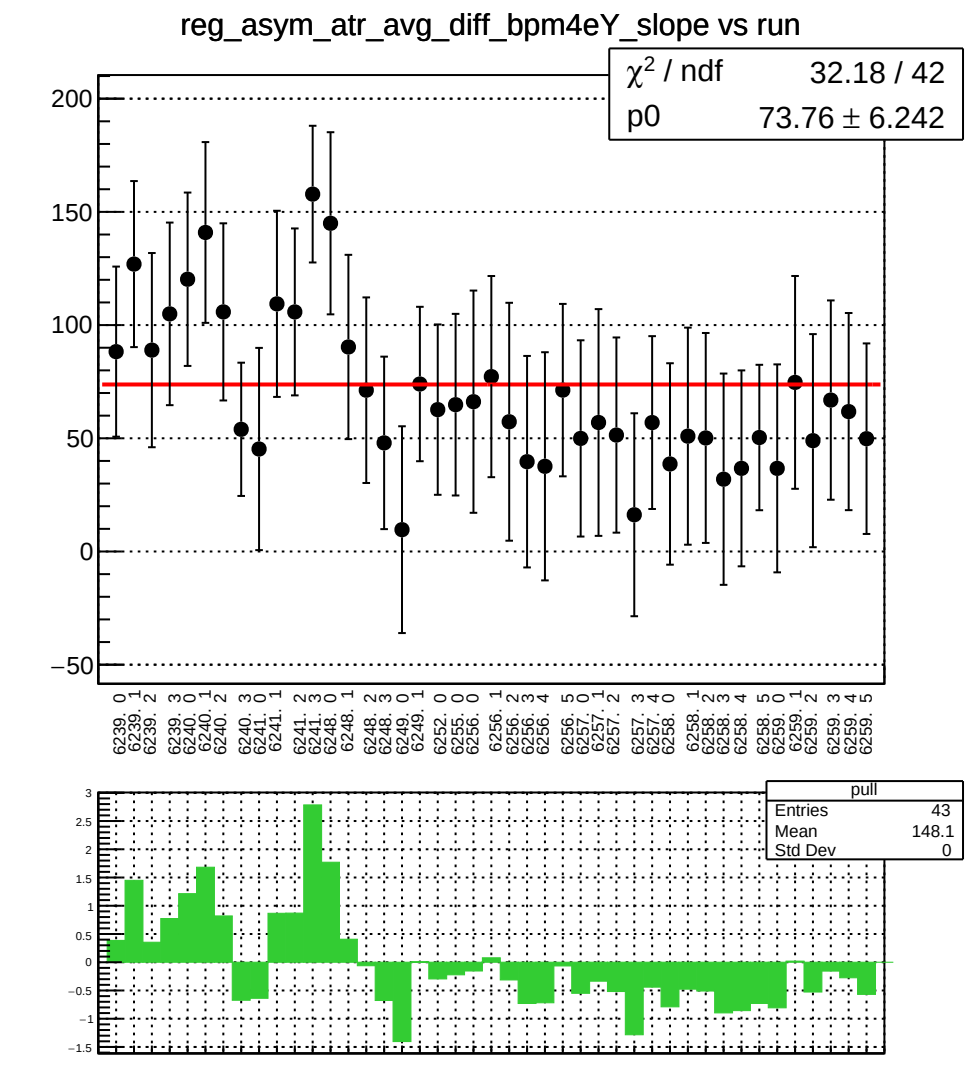

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 39.41 / 42
p0 −228.1 ± 4.756
pull
Entries 43
Mean 176.8
Std Dev 0

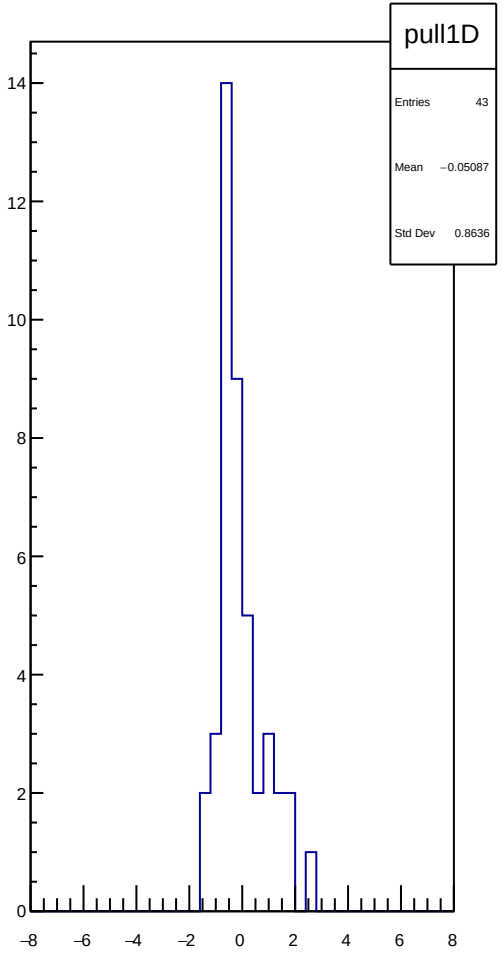

pull1D
Entries 43
Mean −0.0391
Std Dev 0.9565

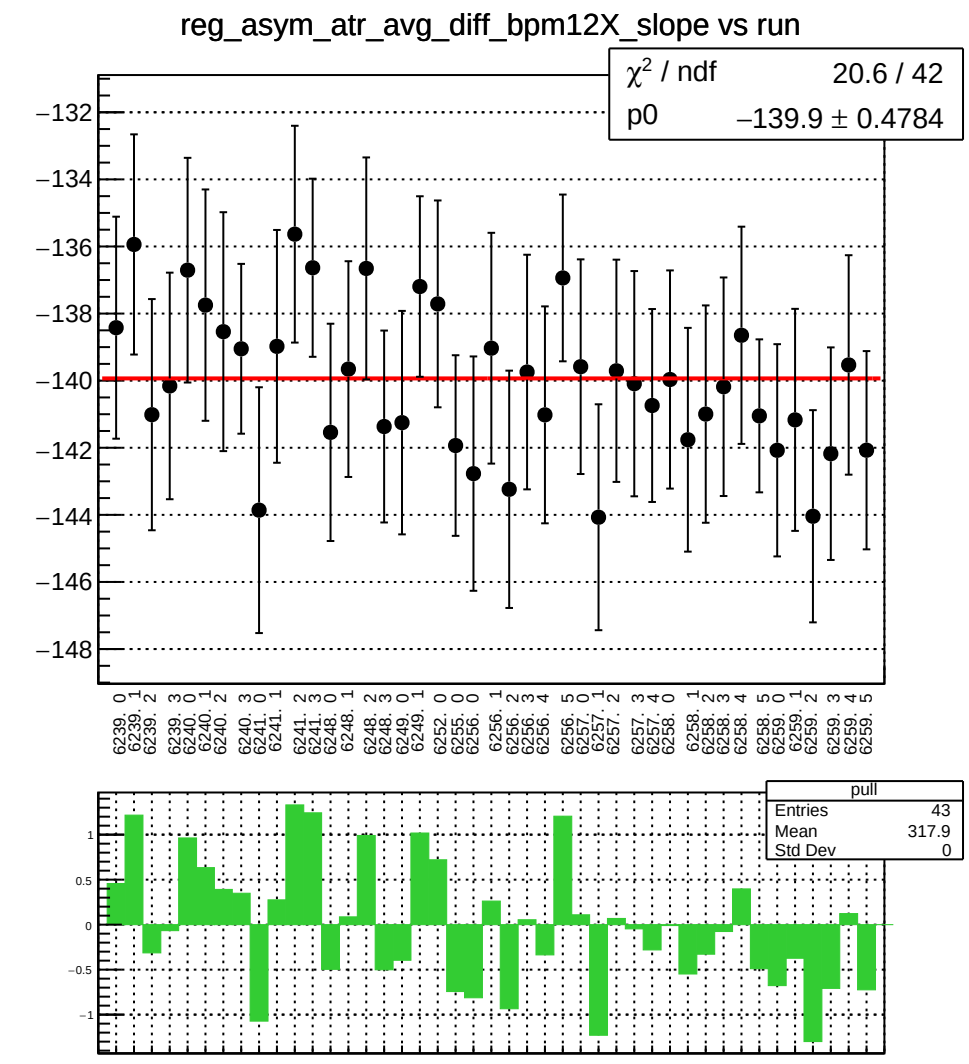

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.41 / 42
p0 −4.696 ± 5.706
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 152.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.04732
Std Dev 0.8534
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

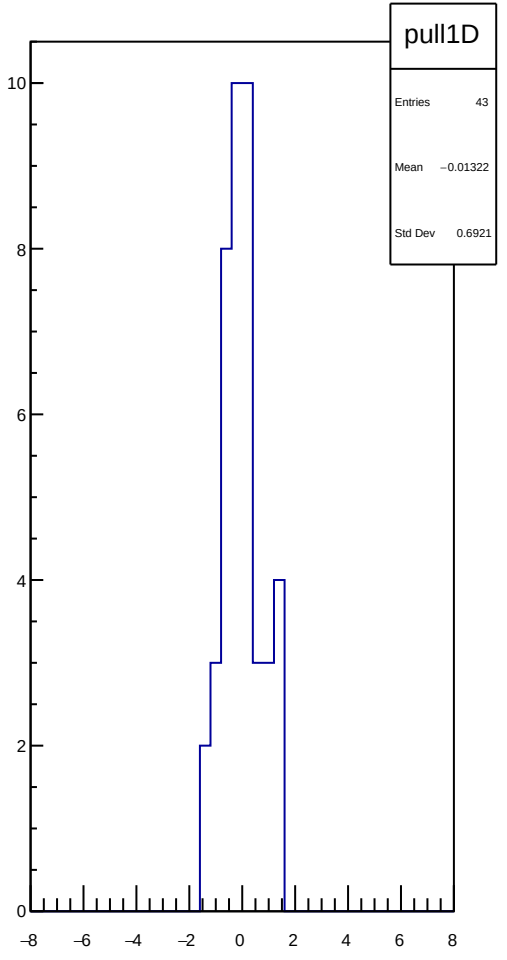

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.3 / 42
p0 332 ± 5.722
400
350
300
250
200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 186.8
Std Dev 0
1
0
−1
−2
−3

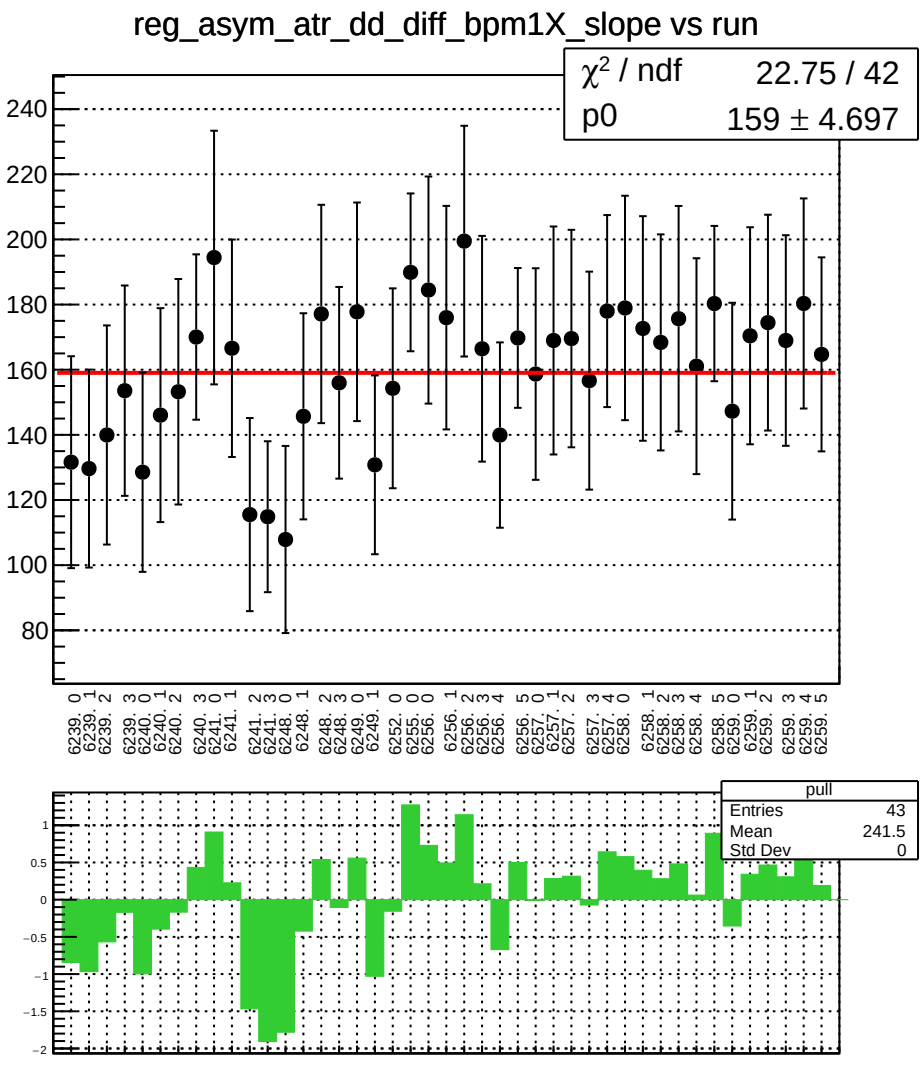

pull1D
Entries 43
Mean 0.0457
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

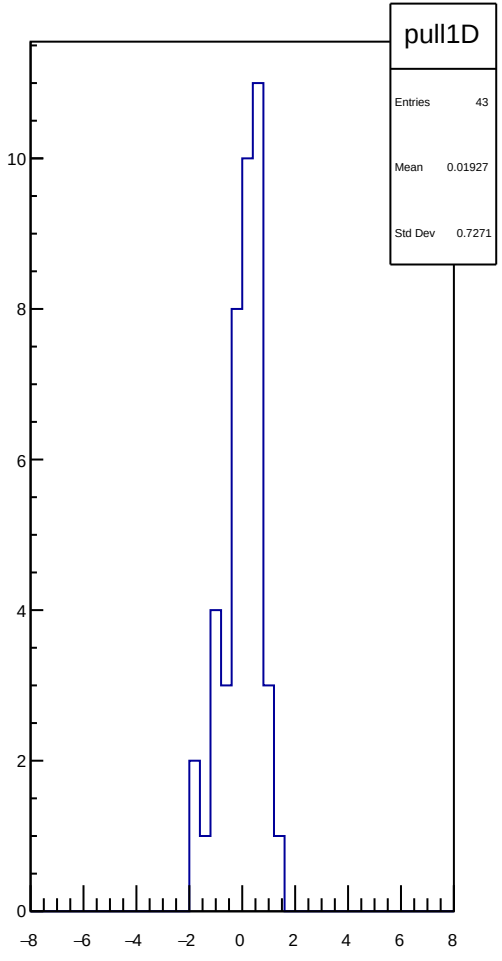

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.18 / 42
p0 73.76 ± 6.242
200
150
100
50
0
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 148.1
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

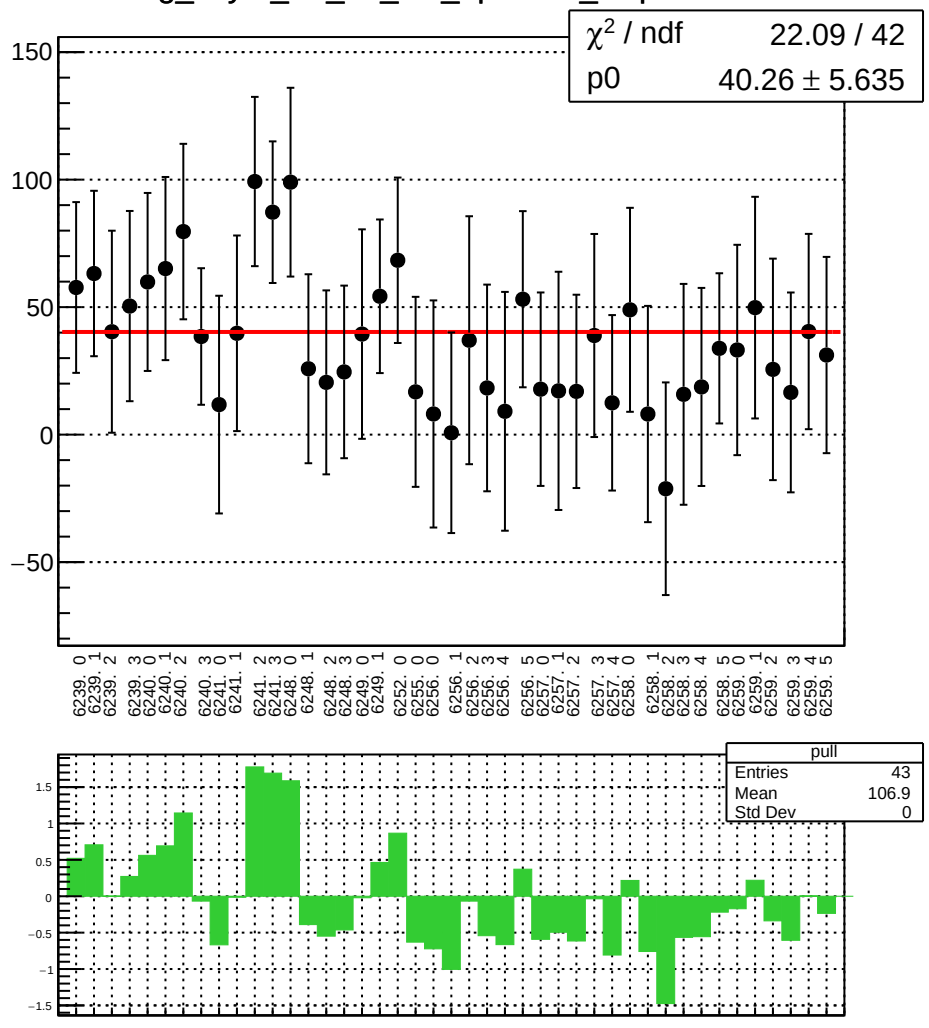

pull1D
Entries 43
Mean −0.05087
Std Dev 0.8636
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

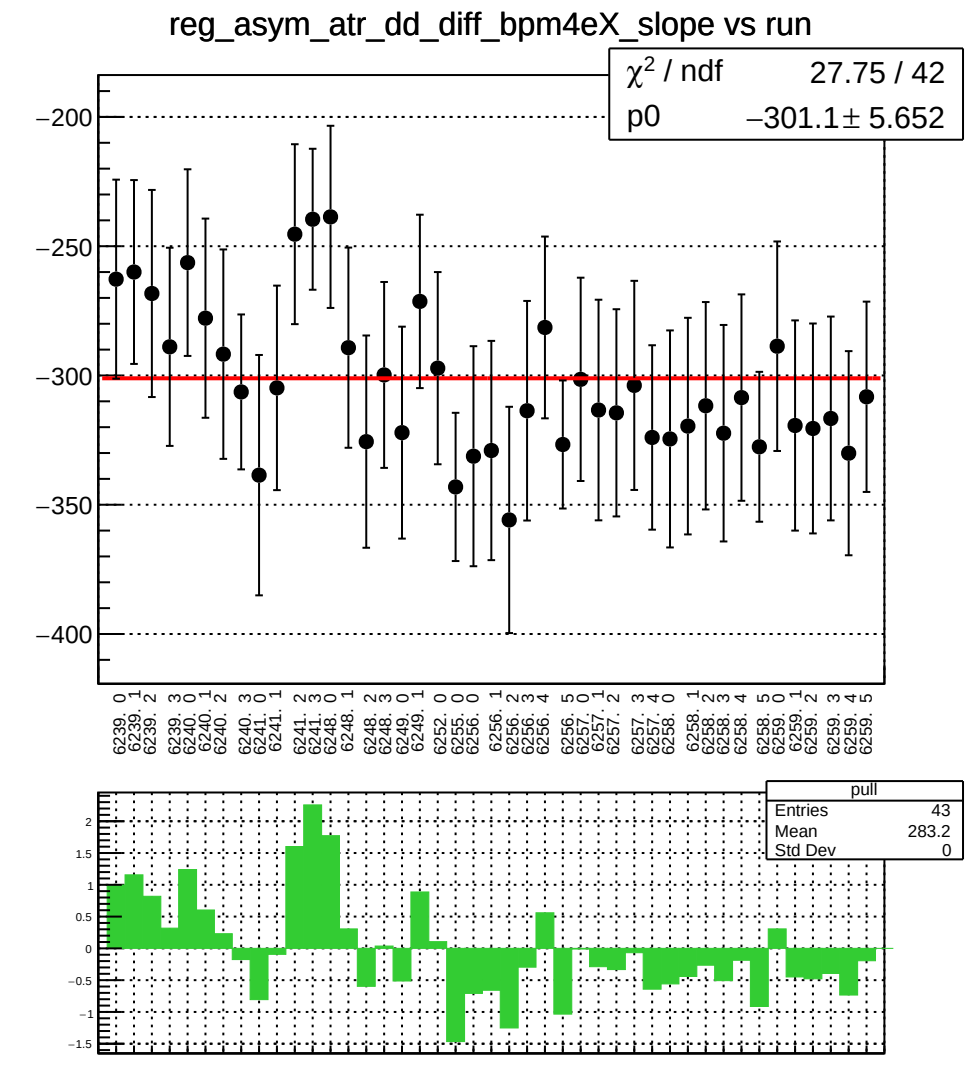

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 20.6 / 42
p0 −139.9 ± 0.4784
−132
−134
−136
−138
−140
−142
−144
−146
−148
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 317.9
Std Dev 0
1
0.5
0
−0.5
−1

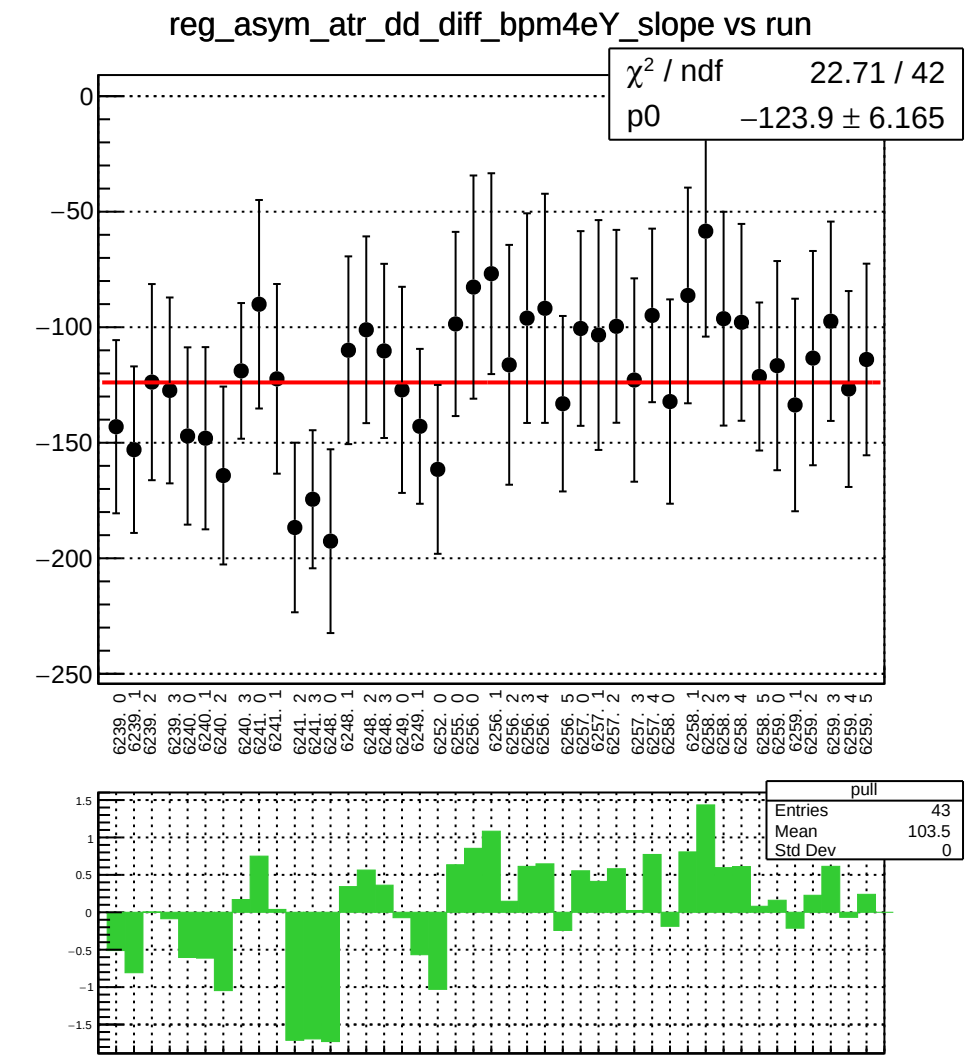

pull1D
Entries 43
Mean −0.01322
Std Dev 0.6921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

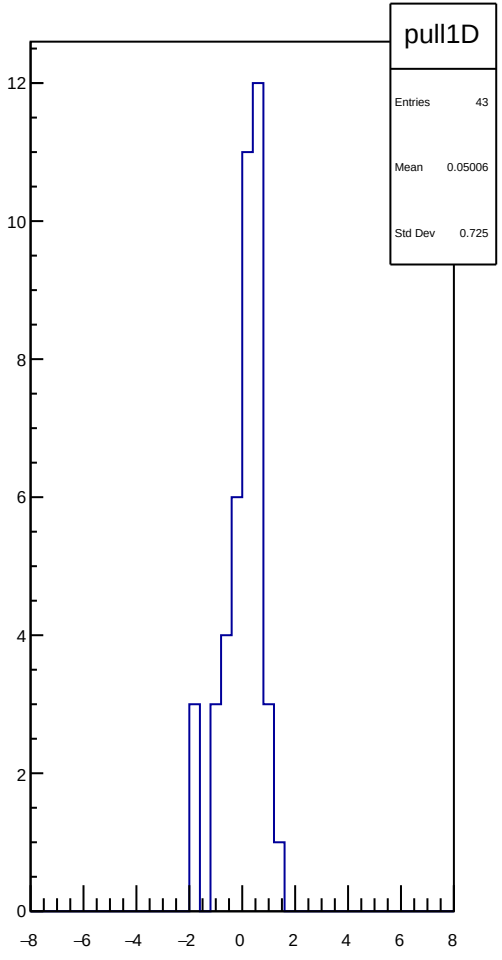

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 22.75 / 42
p0 159 ± 4.697
pull
Entries 43
Mean 241.5
Std Dev 0

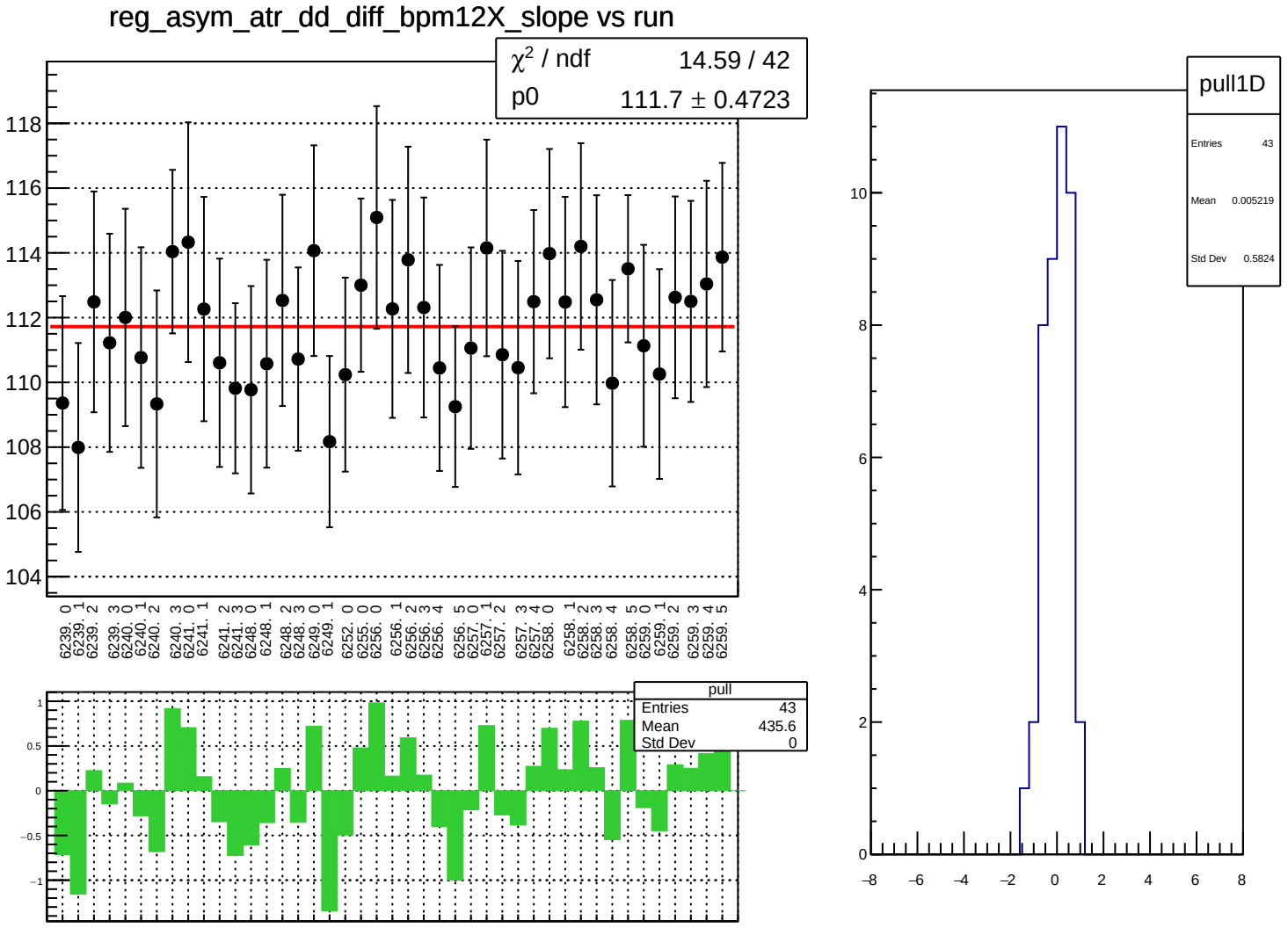

pull1D
Entries 43
Mean 0.01927
Std Dev 0.7271

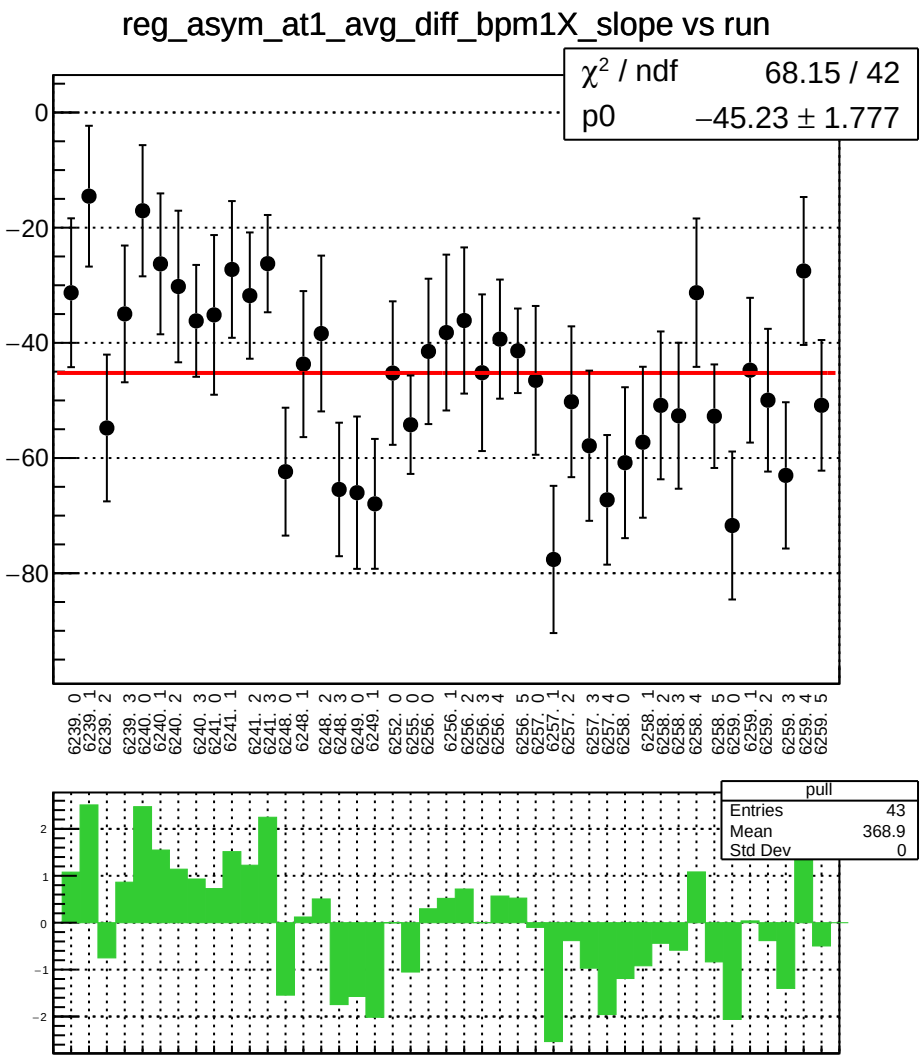

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.09 / 42
p0 40.26 ± 5.635
150
100
50
0
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 106.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.05026
Std Dev 0.715
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

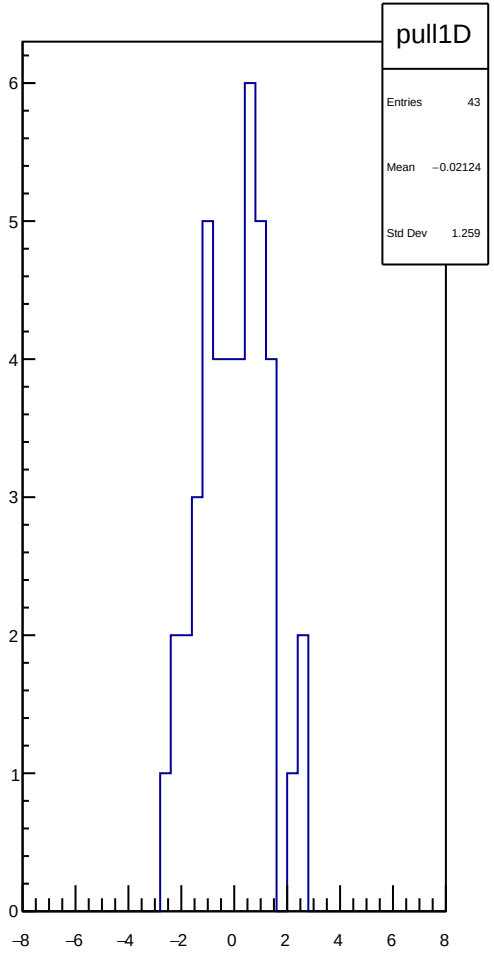

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.75 / 42
p0 −301.1 ± 5.652
−200
−250
−300
−350
−400
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 283.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02013
Std Dev 0.803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

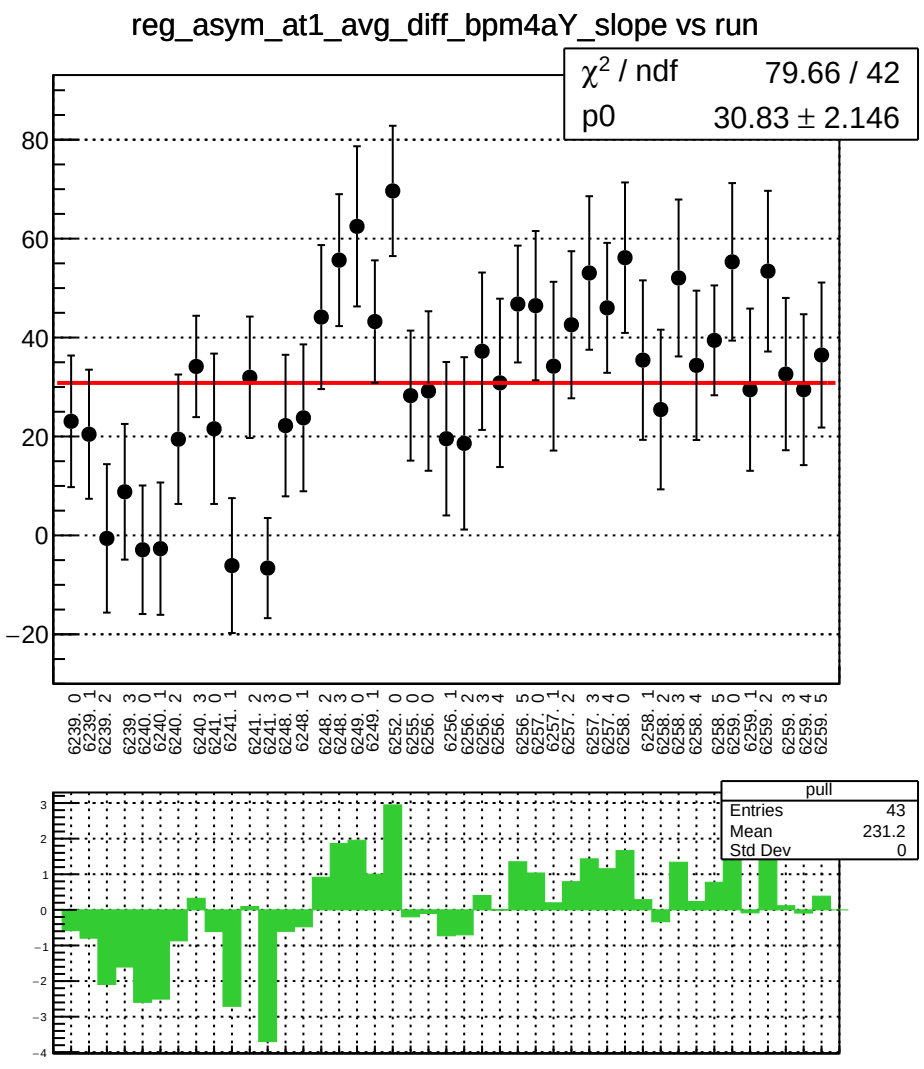

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.71 / 42
p0 −123.9 ± 6.165
0
−50
−100
−150
−200
−250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

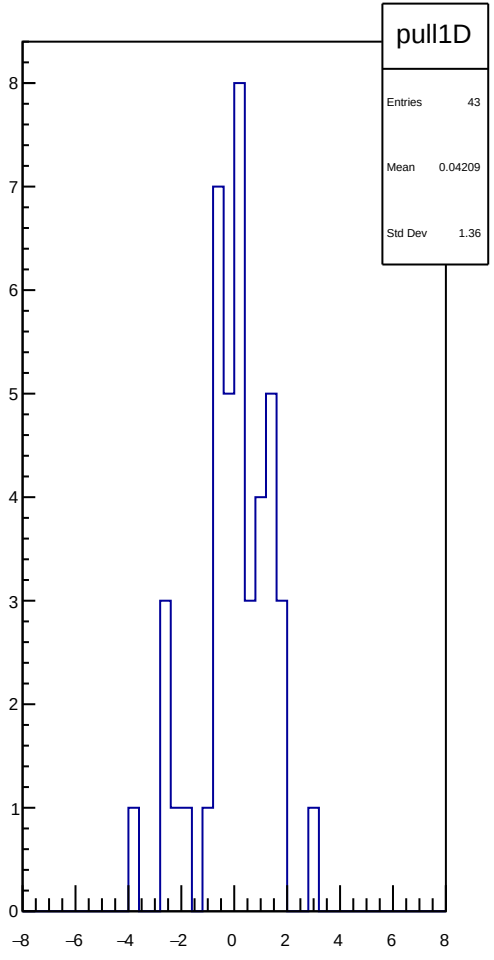

pull1D
Entries 43
Mean 0.05006
Std Dev 0.725
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

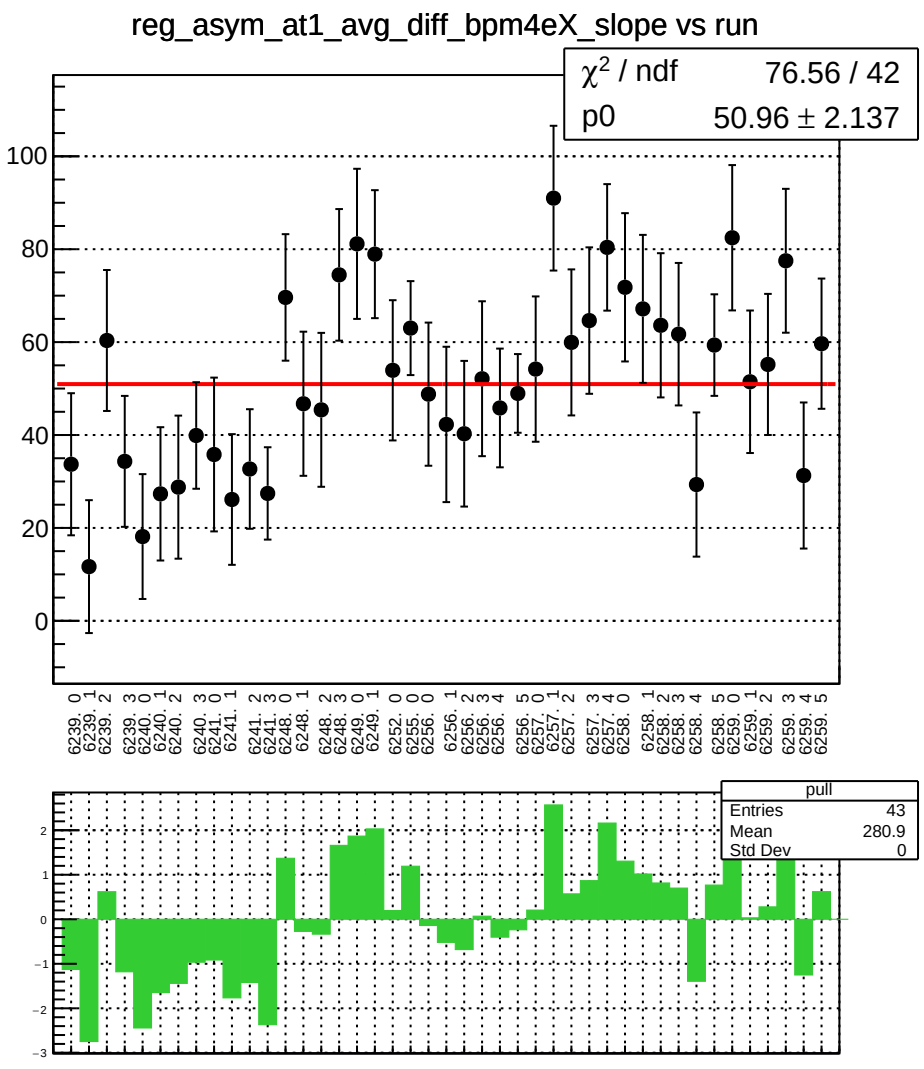

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 14.59 / 42
p0 111.7 ± 0.4723
118
116
114
112
110
108
106
104
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 435.6
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean 0.005219
Std Dev 0.5824
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

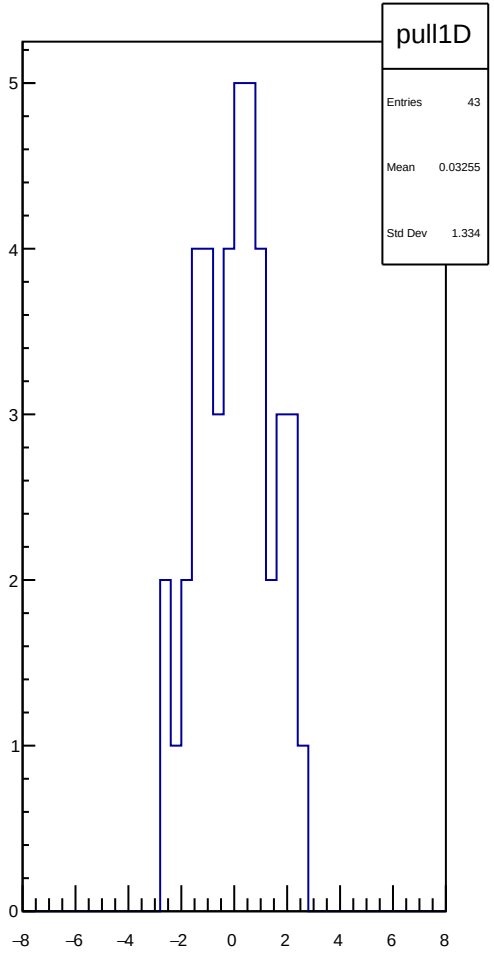

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 68.15 / 42
p0 −45.23 ± 1.777
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 368.9
Std Dev 0
2
1
0
−1
−2

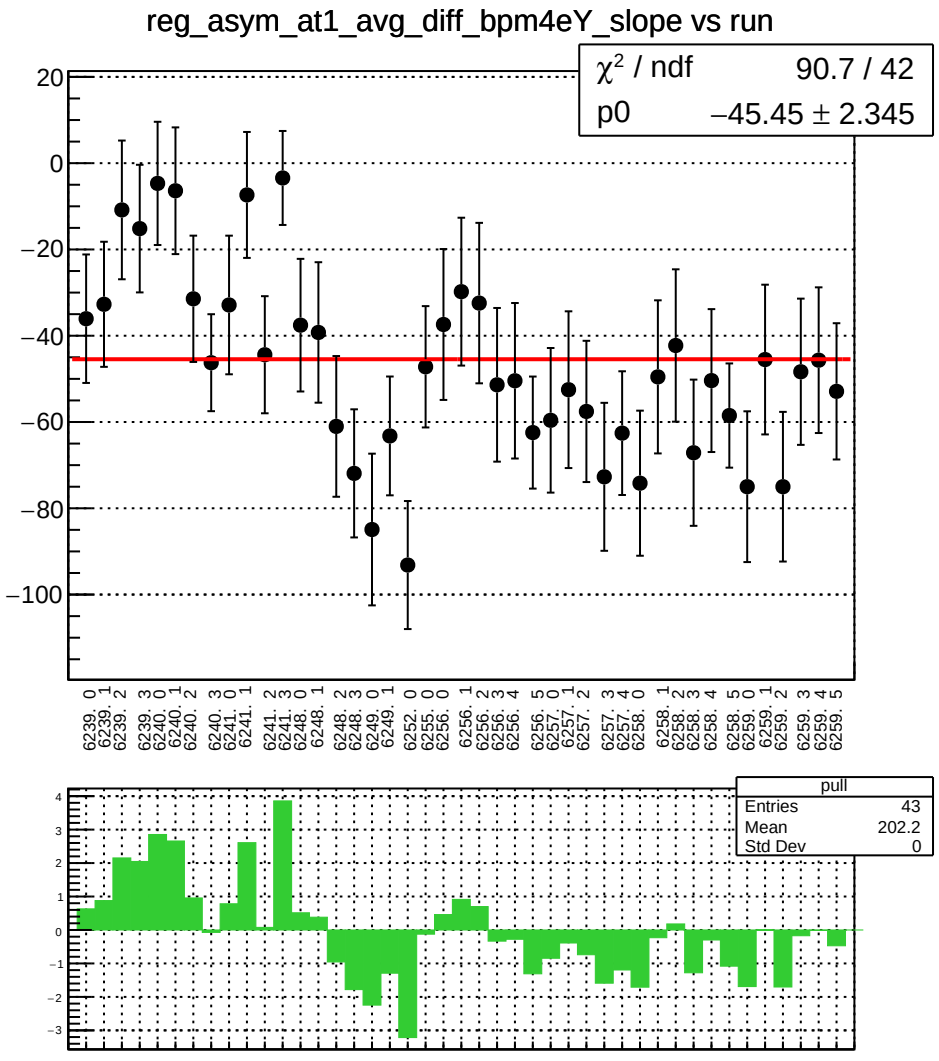

pull1D
Entries 43
Mean −0.02124
Std Dev 1.259
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

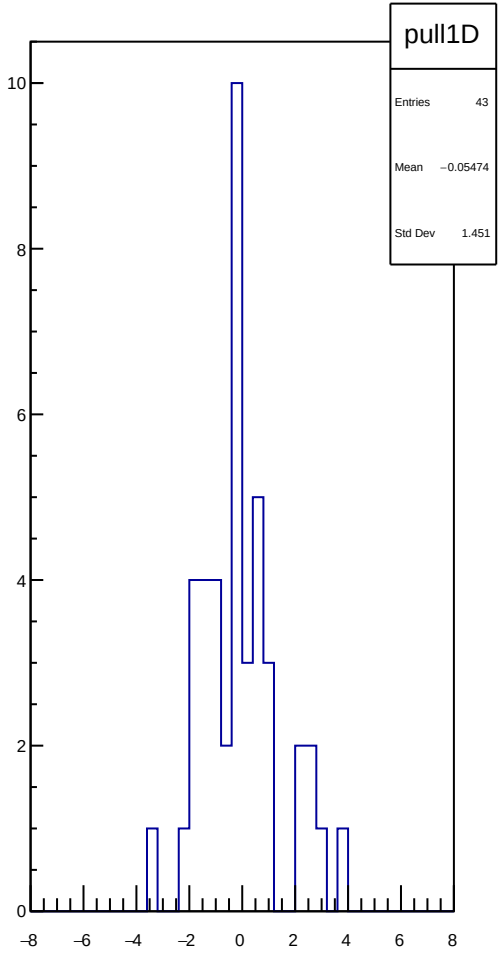

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.66 / 42
p0 30.83 ± 2.146
80
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 231.2
Std Dev 0
3
2
1
0
−1
−2
−3
−4

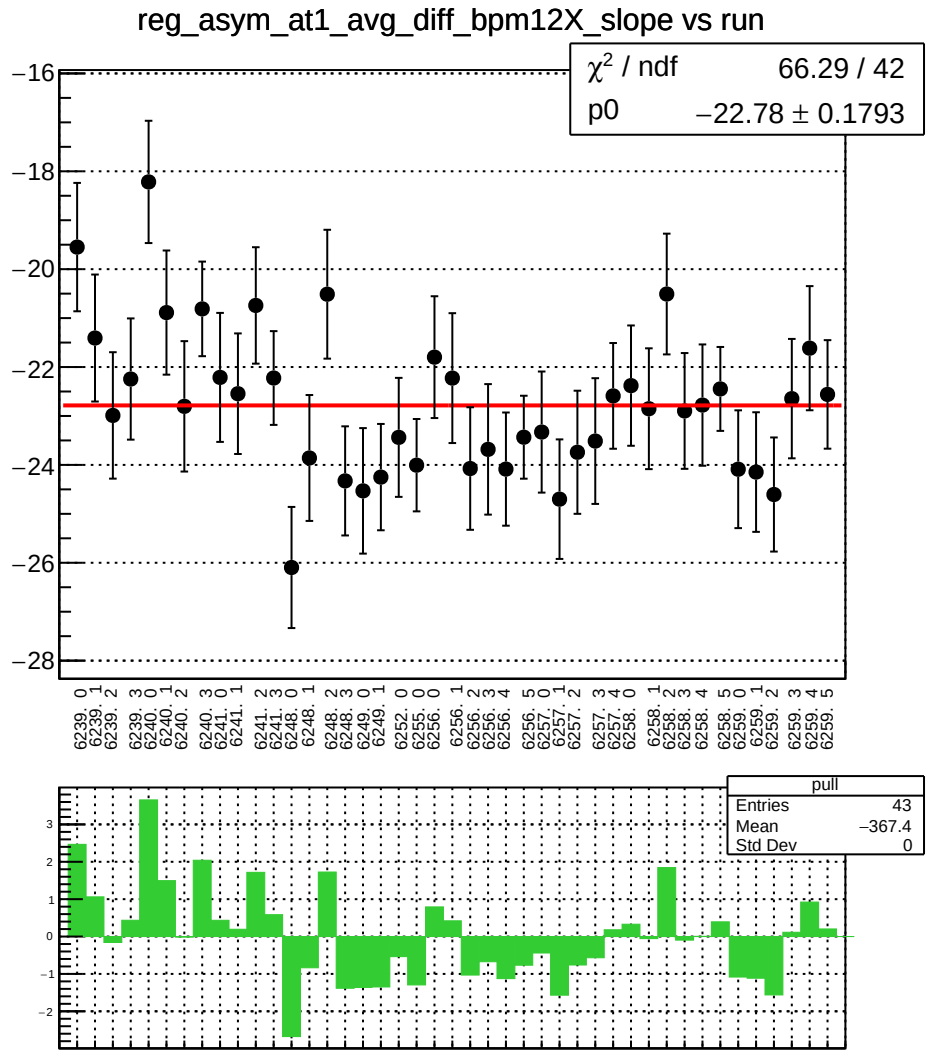

pull1D
Entries 43
Mean 0.04209
Std Dev 1.36
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

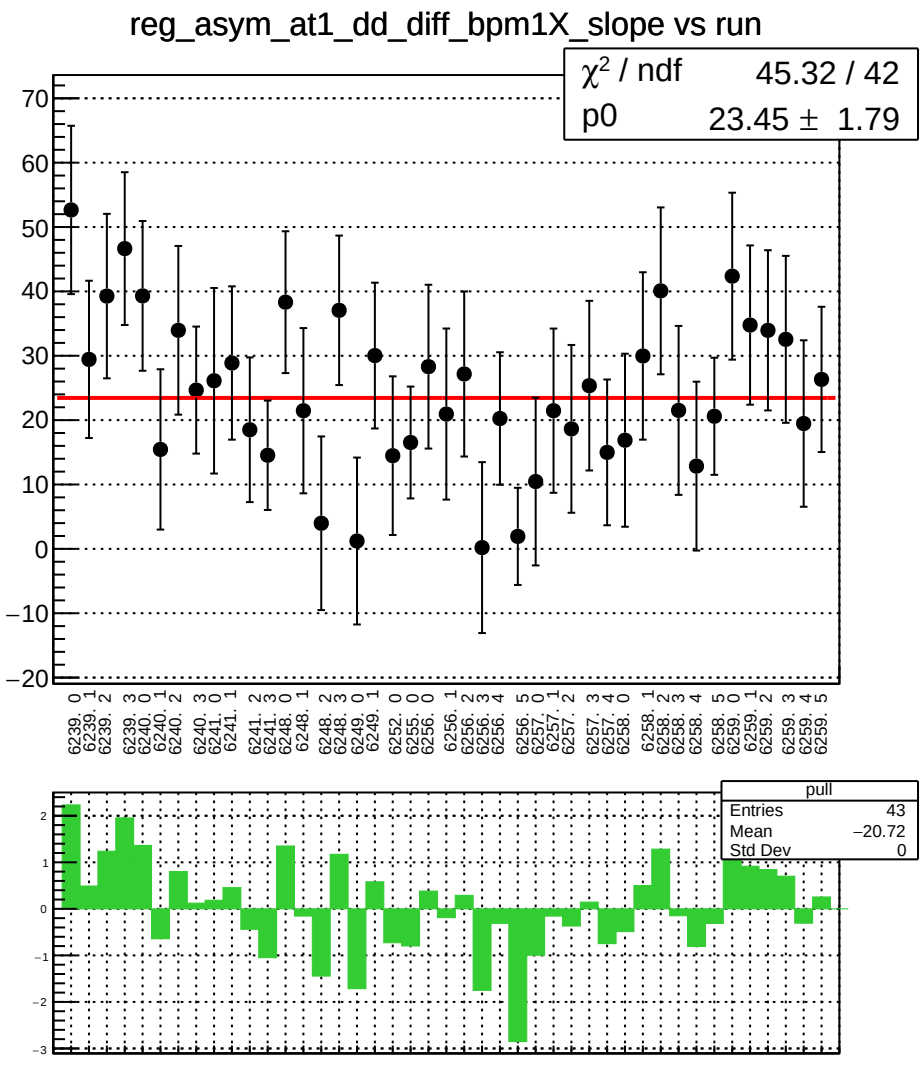

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.56 / 42
p0 50.96 ± 2.137
100
80
60
40
20
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 280.9
Std Dev 0
2
1
0
−1
−2
−3

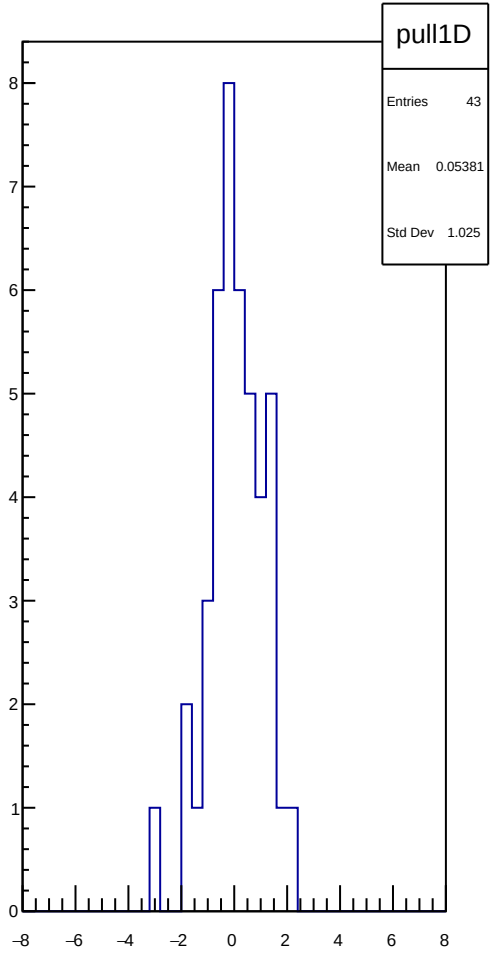

pull1D
Entries 43
Mean 0.03255
Std Dev 1.334
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

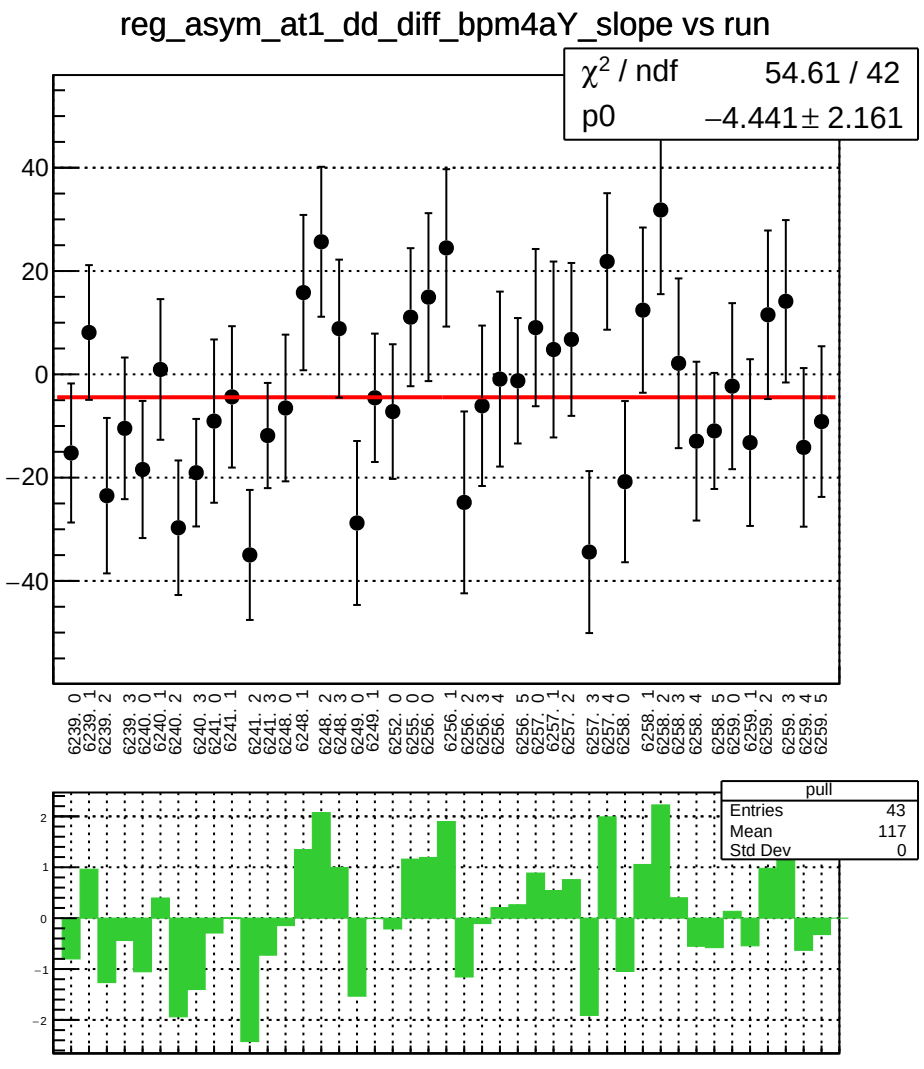

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.7 / 42
p0 −45.45 ± 2.345
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 202.2
Std Dev 0
4
3
2
1
0
−1
−2
−3

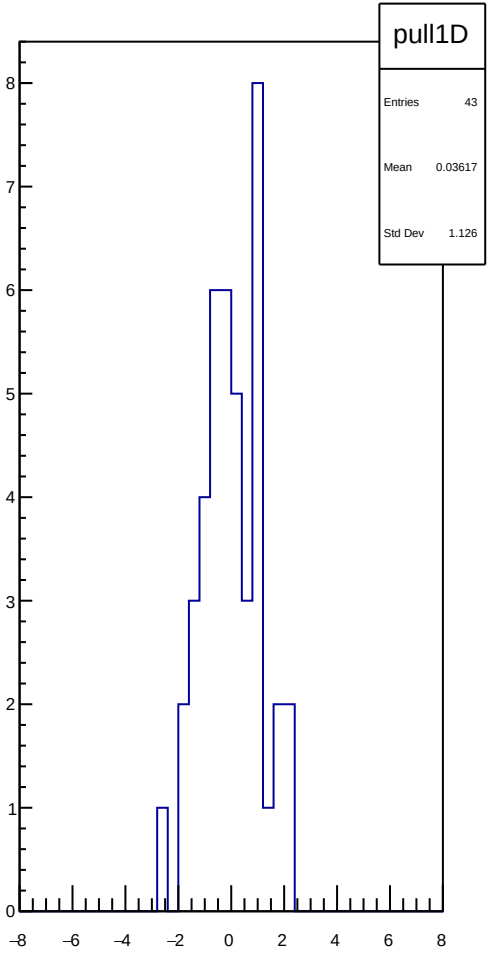

pull1D
Entries 43
Mean −0.05474
Std Dev 1.451
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

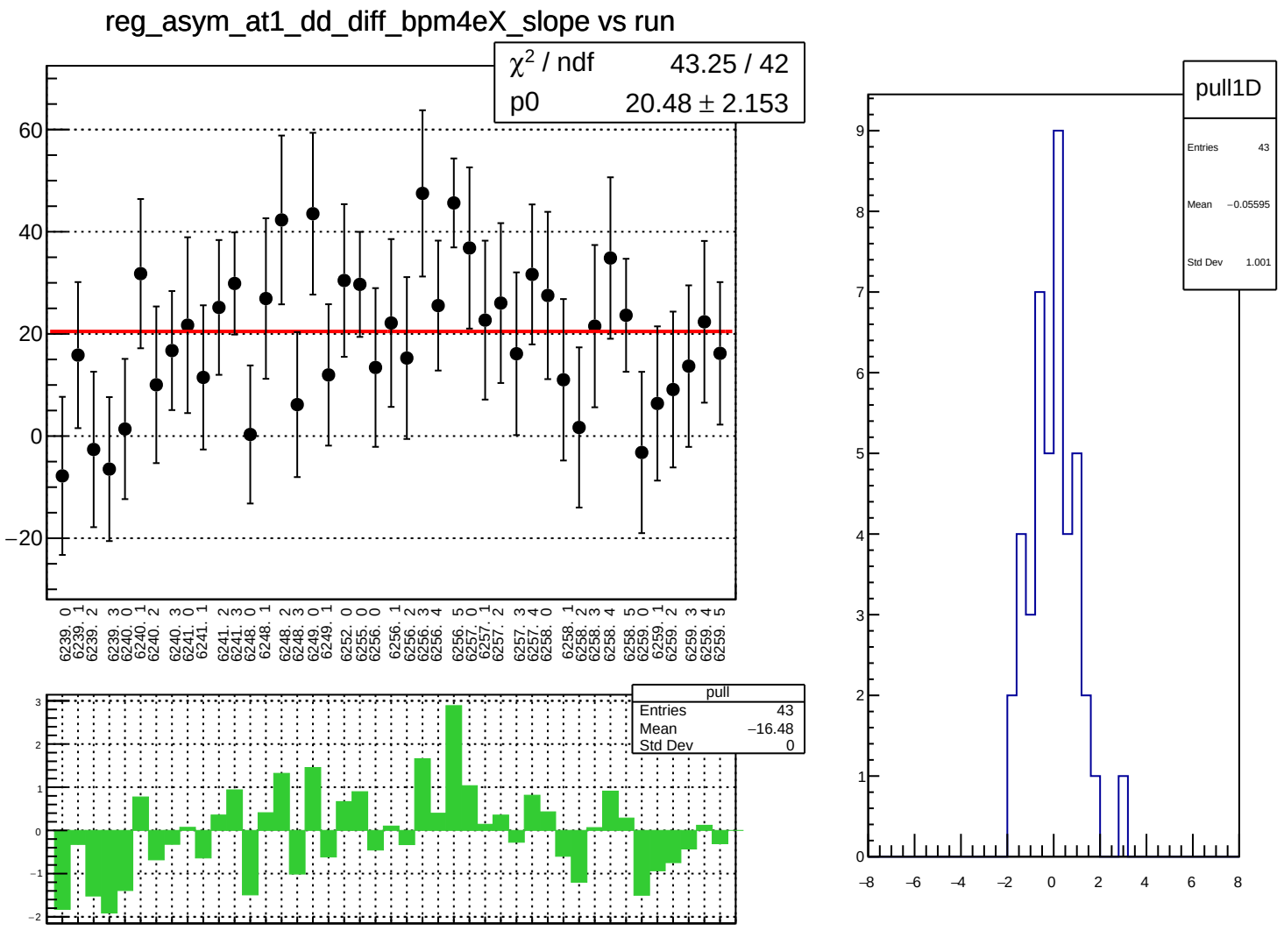

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 66.29 / 42
p0 −22.78 ± 0.1793
pull
Entries 43
Mean −367.4
Std Dev 0
pull1D
Entries 43
Mean 0.01322
Std Dev 1.242

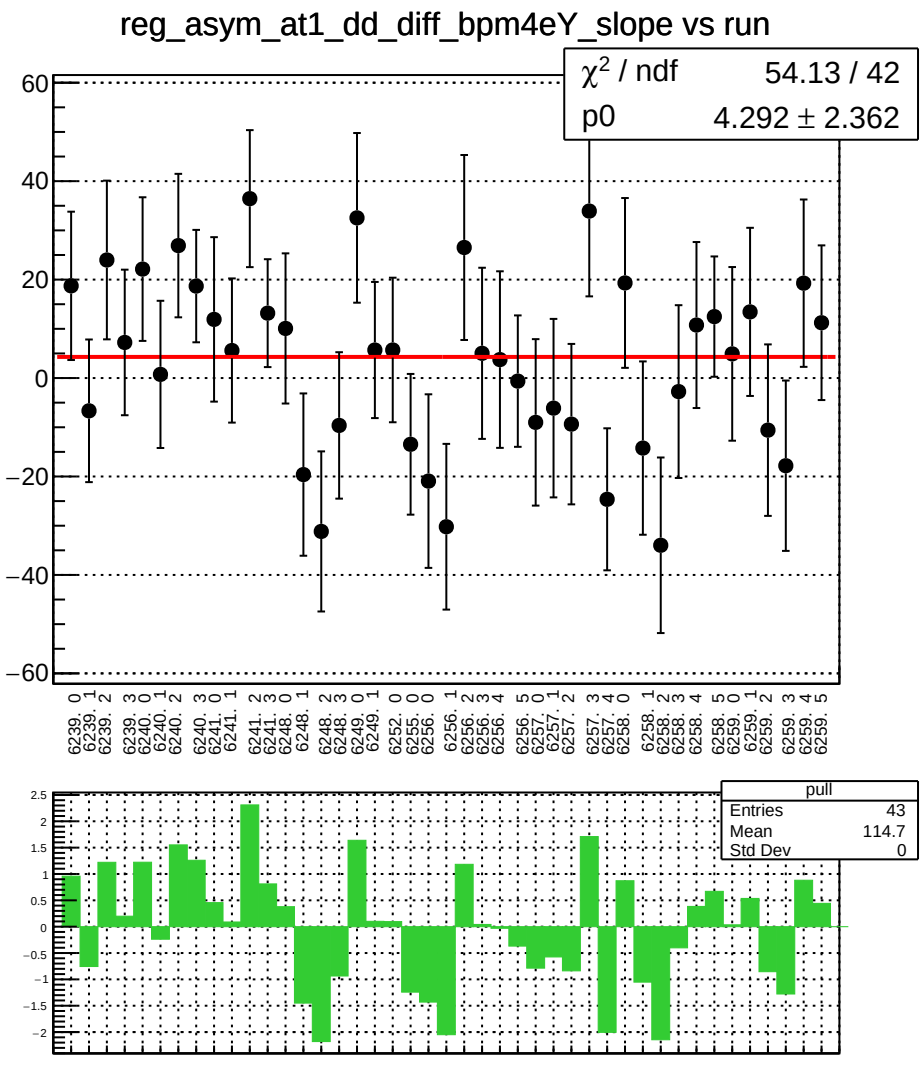

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 45.32 / 42
p0 23.45 ± 1.79
pull
Entries 43
Mean −20.72
Std Dev 0

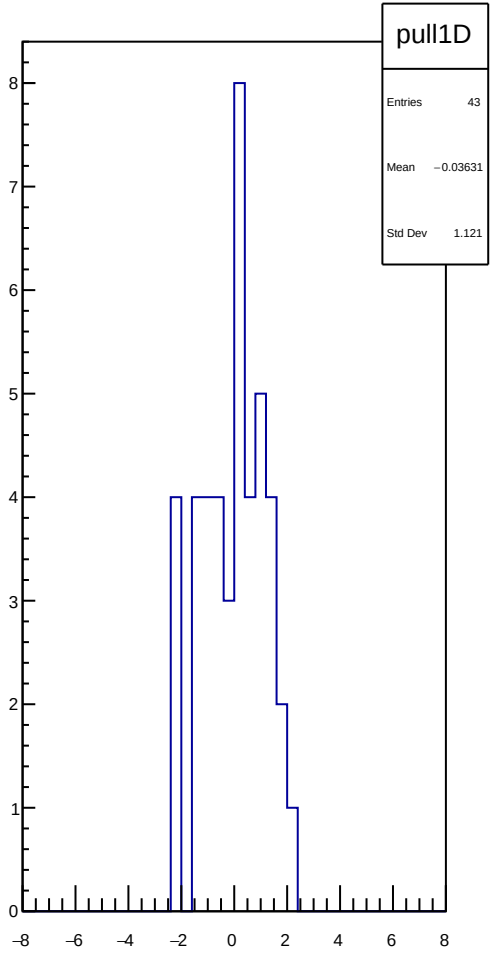

pull1D
Entries 43
Mean 0.05381
Std Dev 1.025

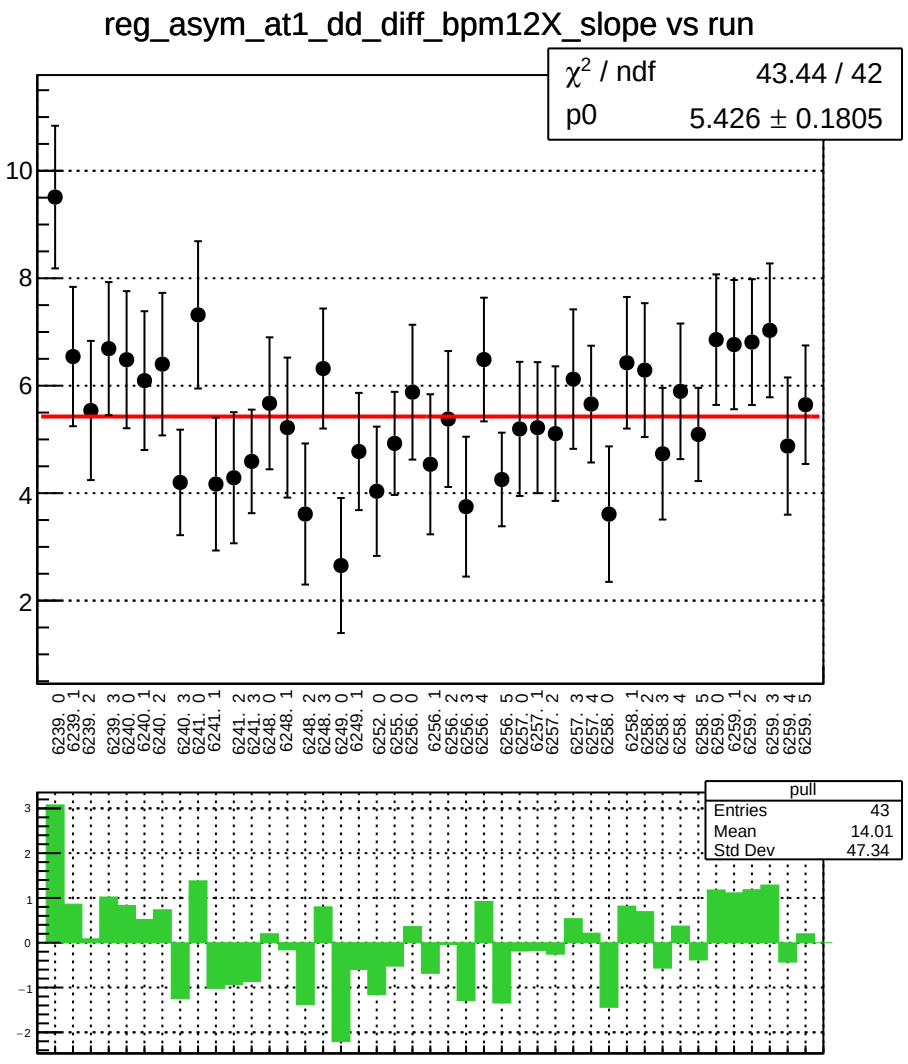

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.61 / 42
p0 −4.441 ± 2.161
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 117
Std Dev 0
2
1
0
−1
−2

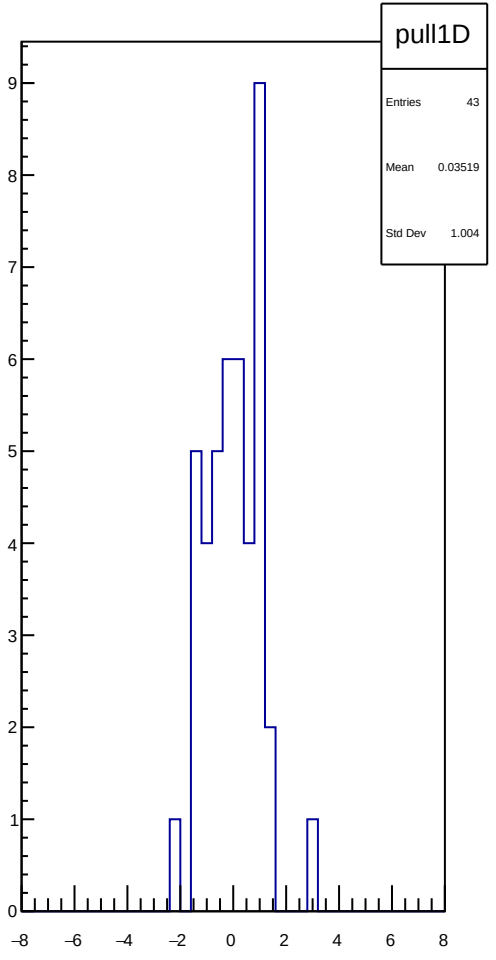

pull1D
Entries 43
Mean 0.03617
Std Dev 1.126
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

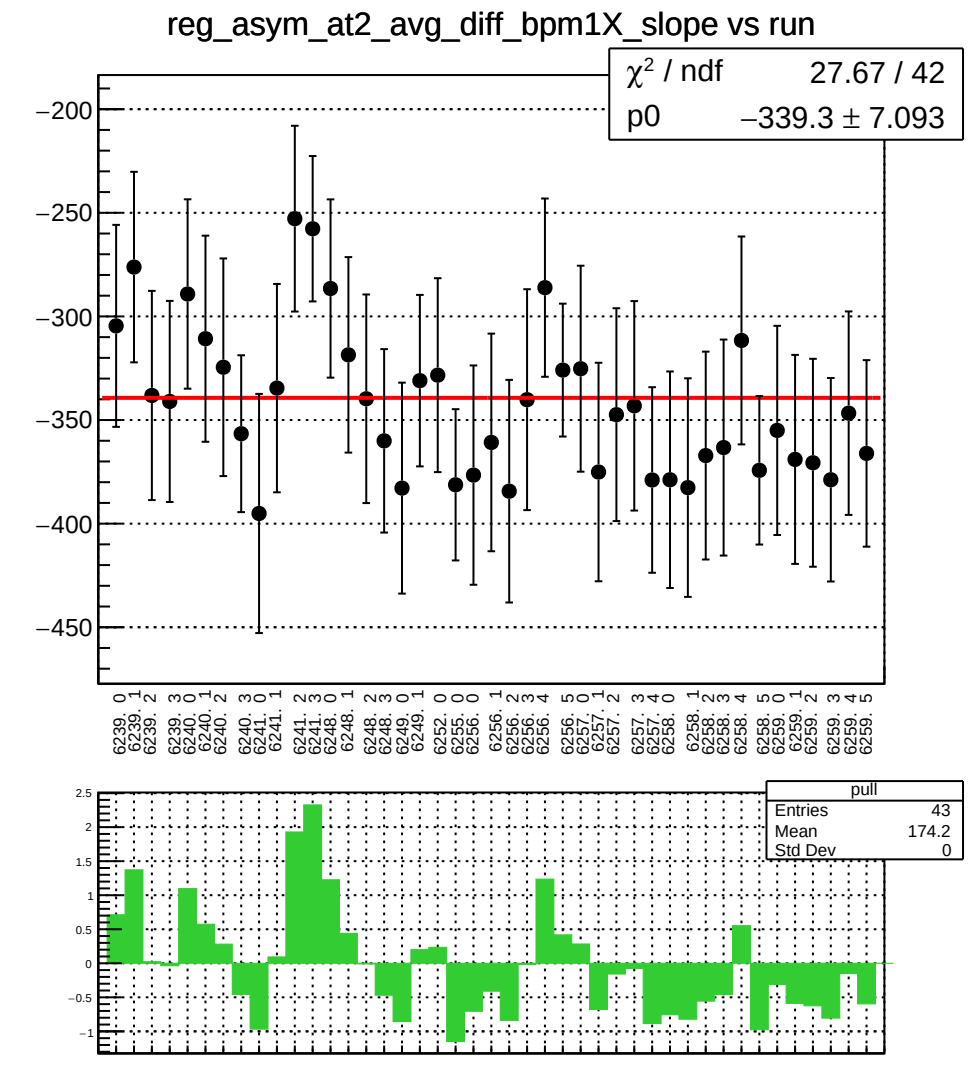

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.25 / 42
p0 20.48 ± 2.153
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −16.48
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05595
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

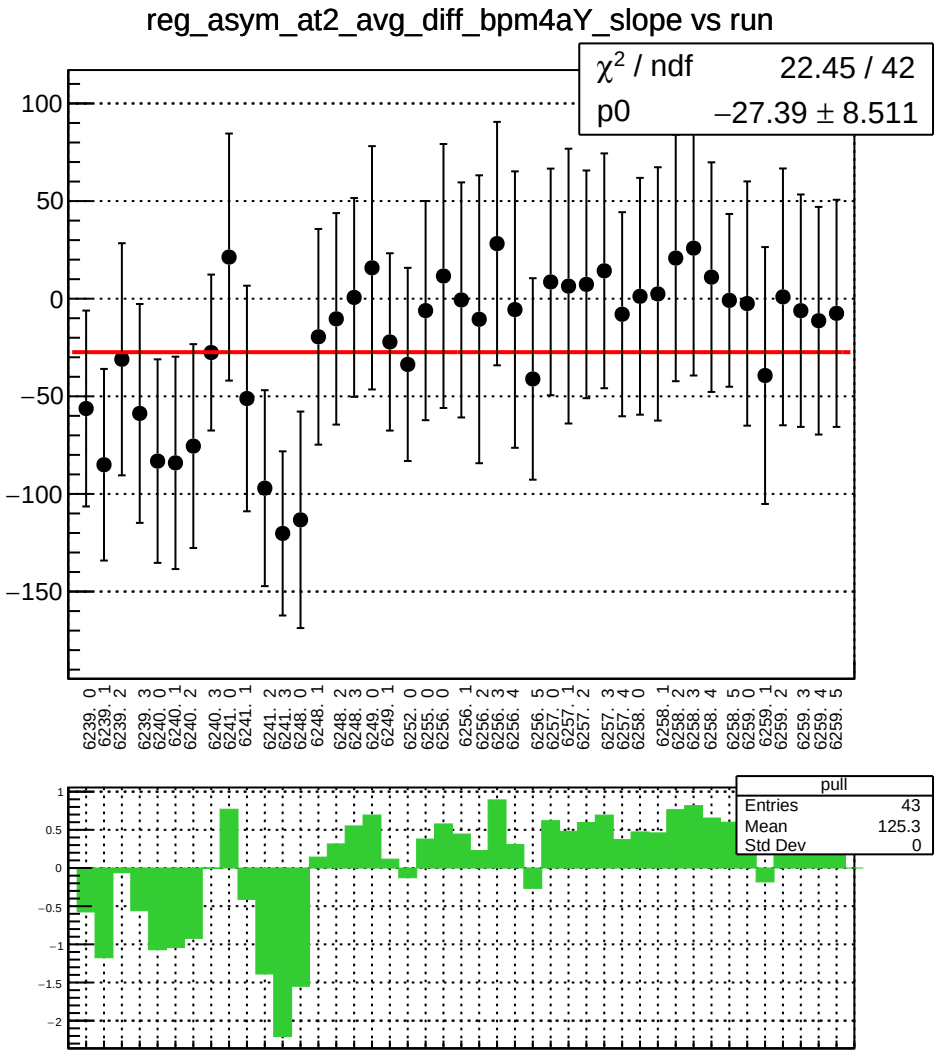

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.13 / 42
p0 4.292 ± 2.362
pull
Entries 43
Mean 114.7
Std Dev 0

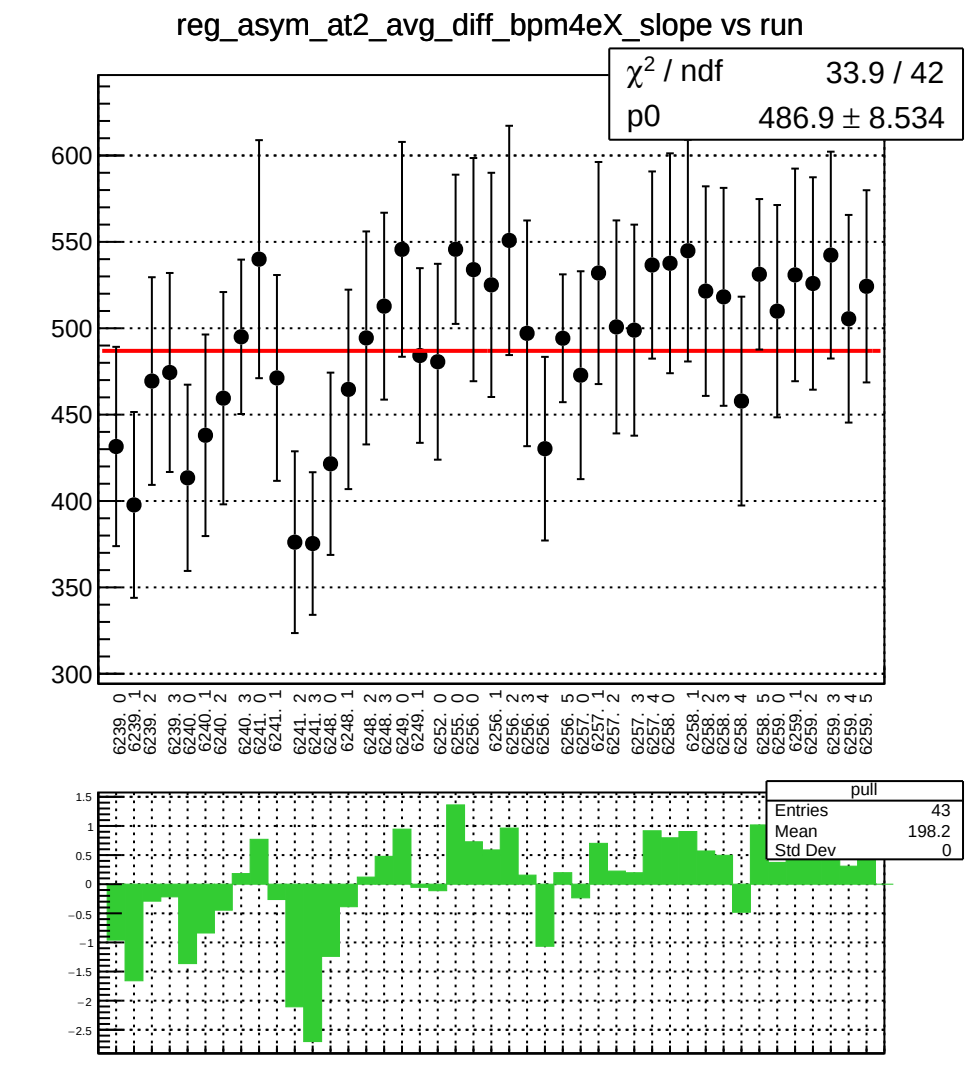

pull1D
Entries 43
Mean −0.03631
Std Dev 1.121

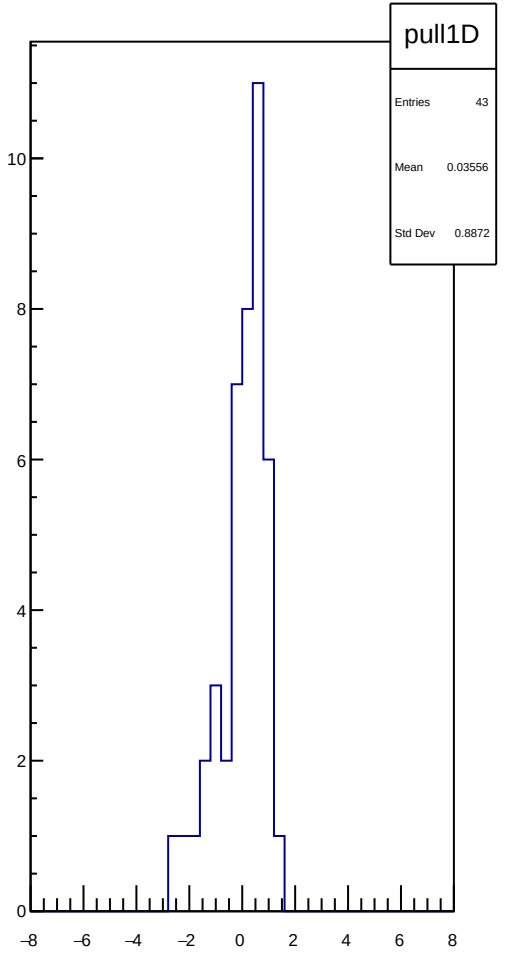

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 43.44 / 42
p0 5.426 ± 0.1805
pull
Entries 43
Mean 14.01
Std Dev 47.34

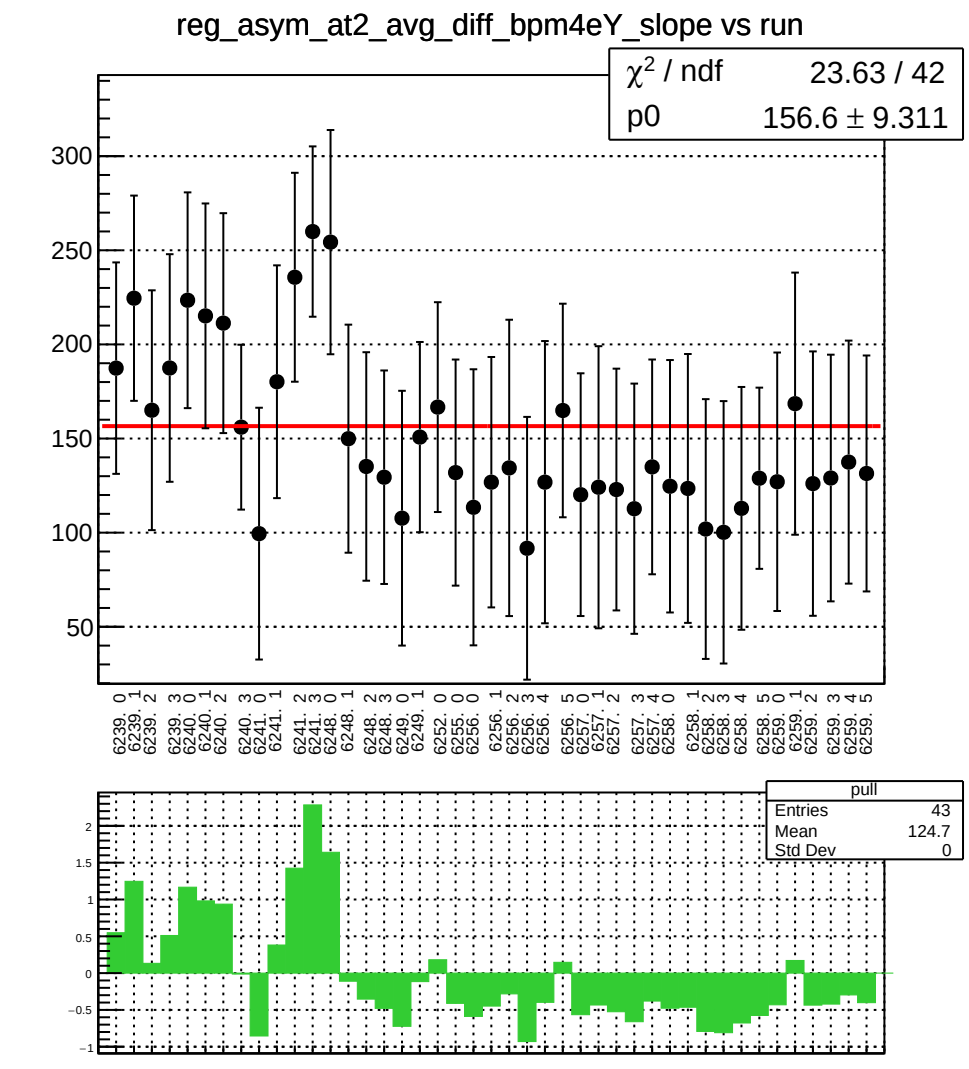

pull1D
Entries 43
Mean 0.03519
Std Dev 1.004

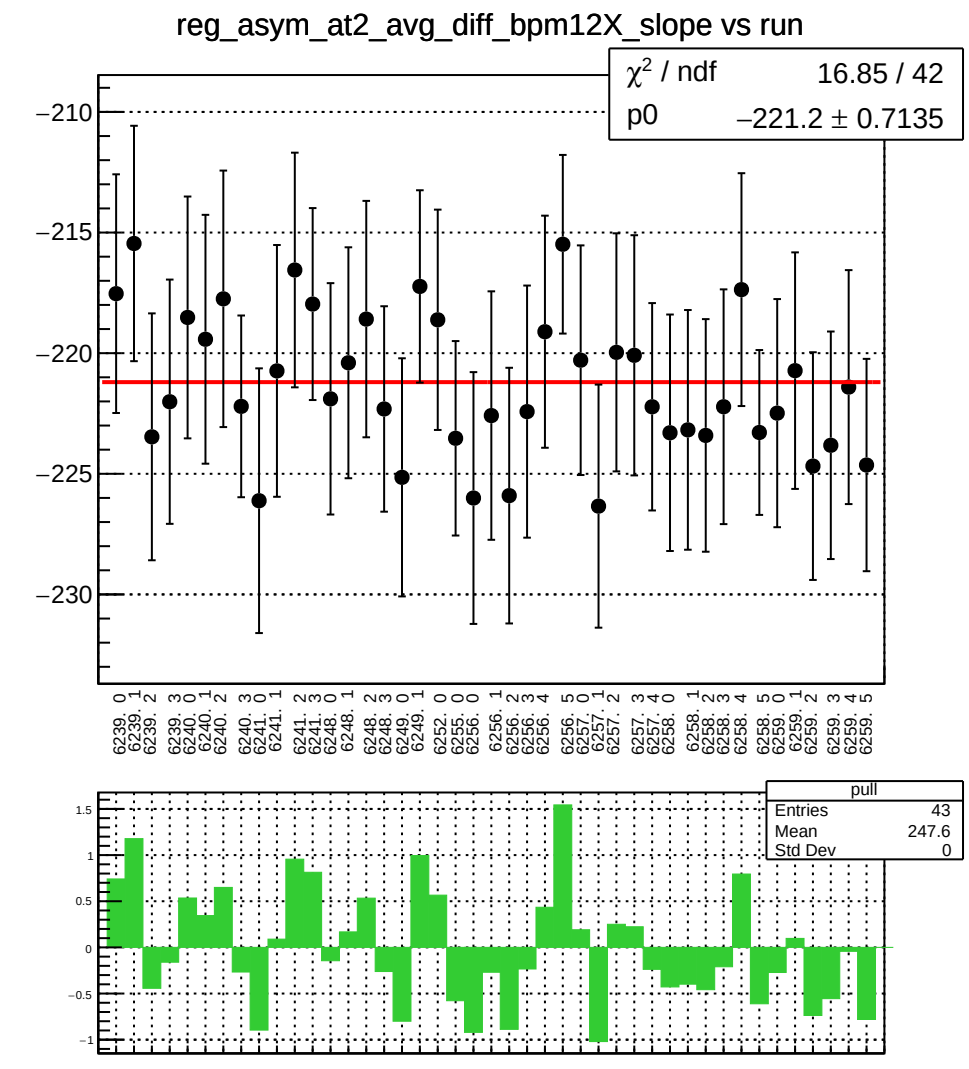

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 27.67 / 42
p0 −339.3 ± 7.093
−200
−250
−300
−350
−400
−450
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 174.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.03165
Std Dev 0.8015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

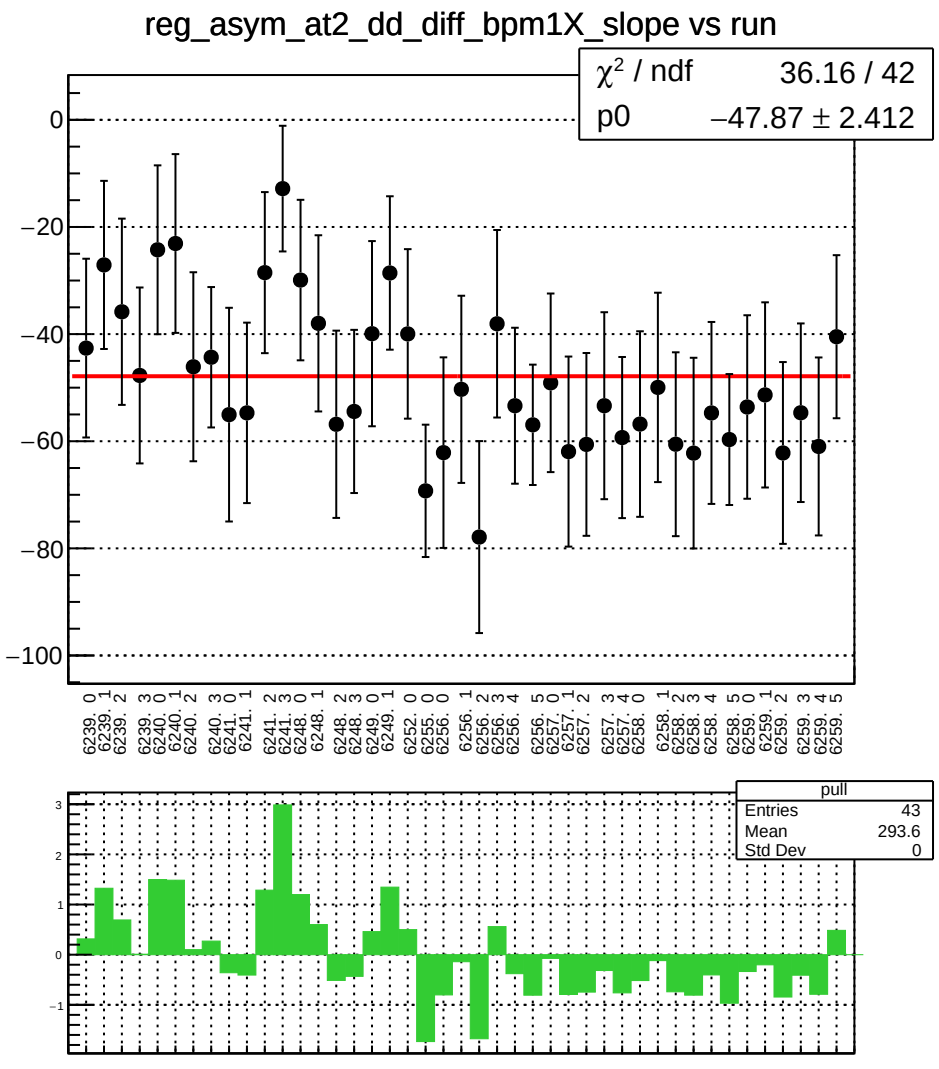

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.45 / 42
p0 −27.39 ± 8.511
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 125.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.05138
Std Dev 0.7207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

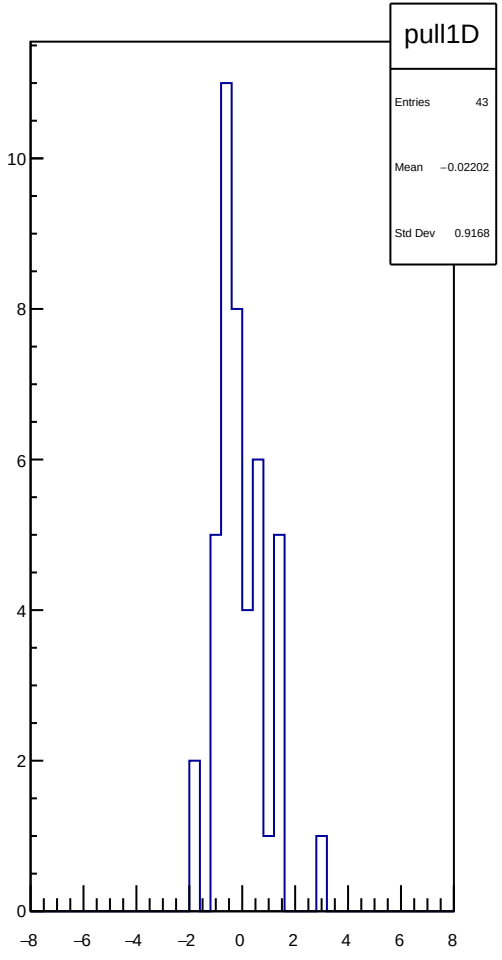

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.9 / 42
p0 486.9 ± 8.534
600
550
500
450
400
350
300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 198.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

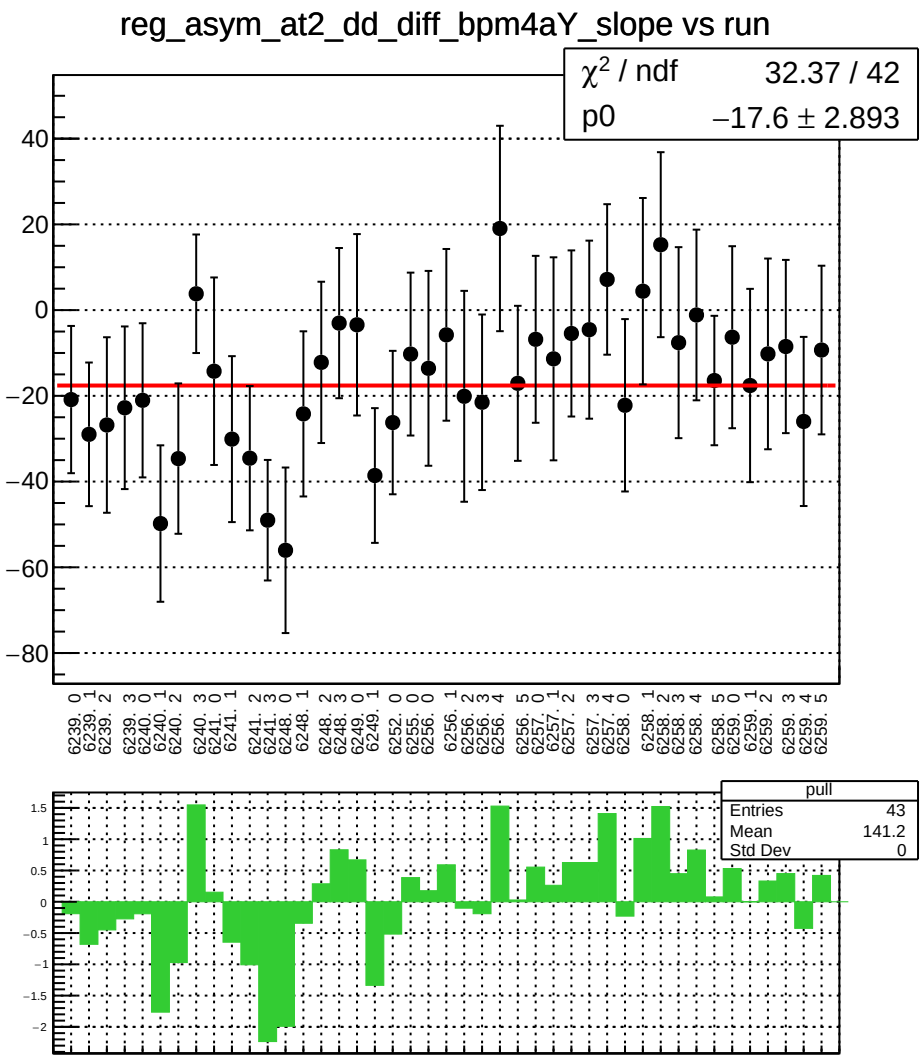

pull1D
Entries 43
Mean 0.03556
Std Dev 0.8872
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

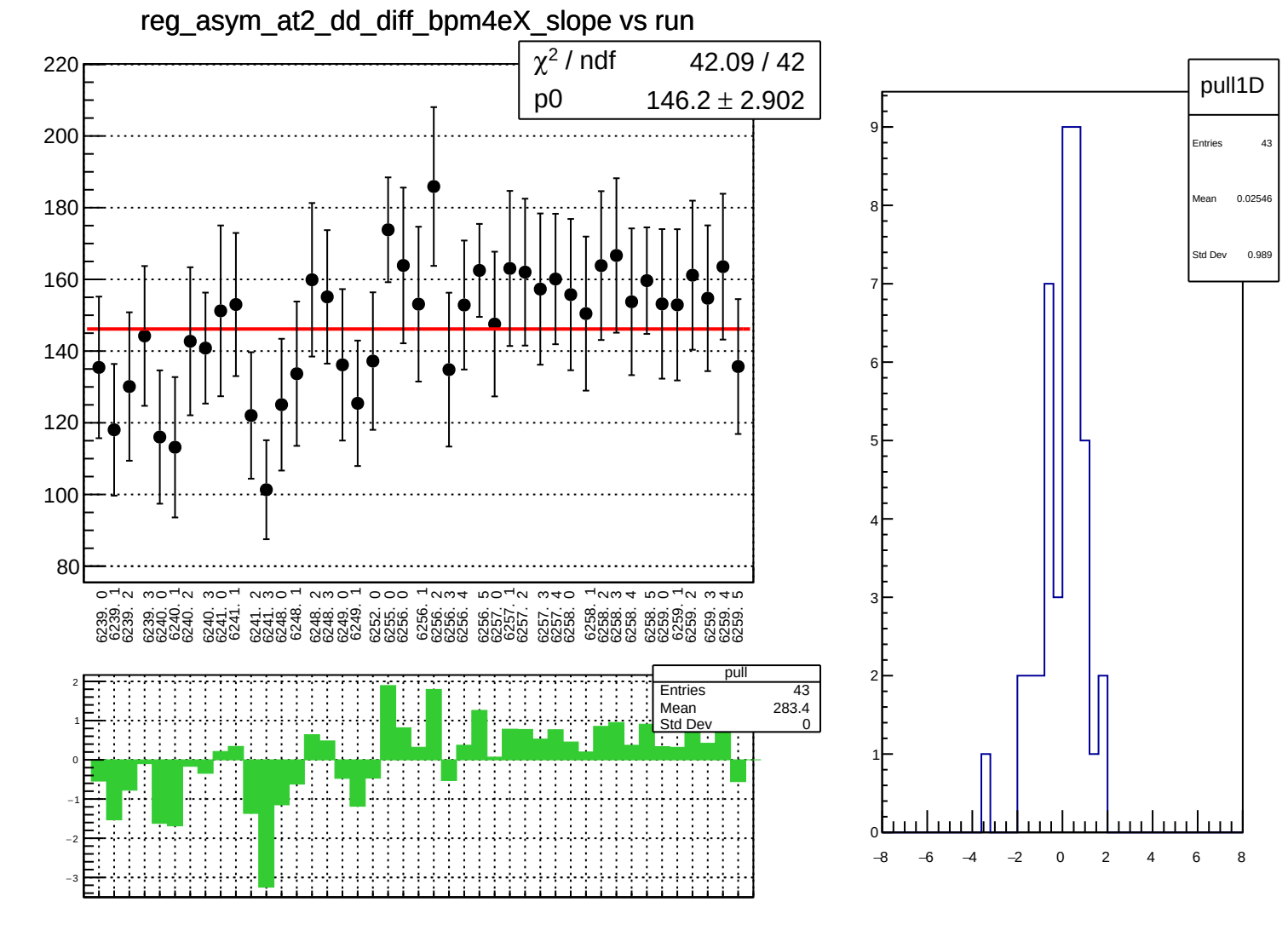

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.63 / 42
p0 156.6 ± 9.311
300
250
200
150
100
50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 124.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.05317
Std Dev 0.7394
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

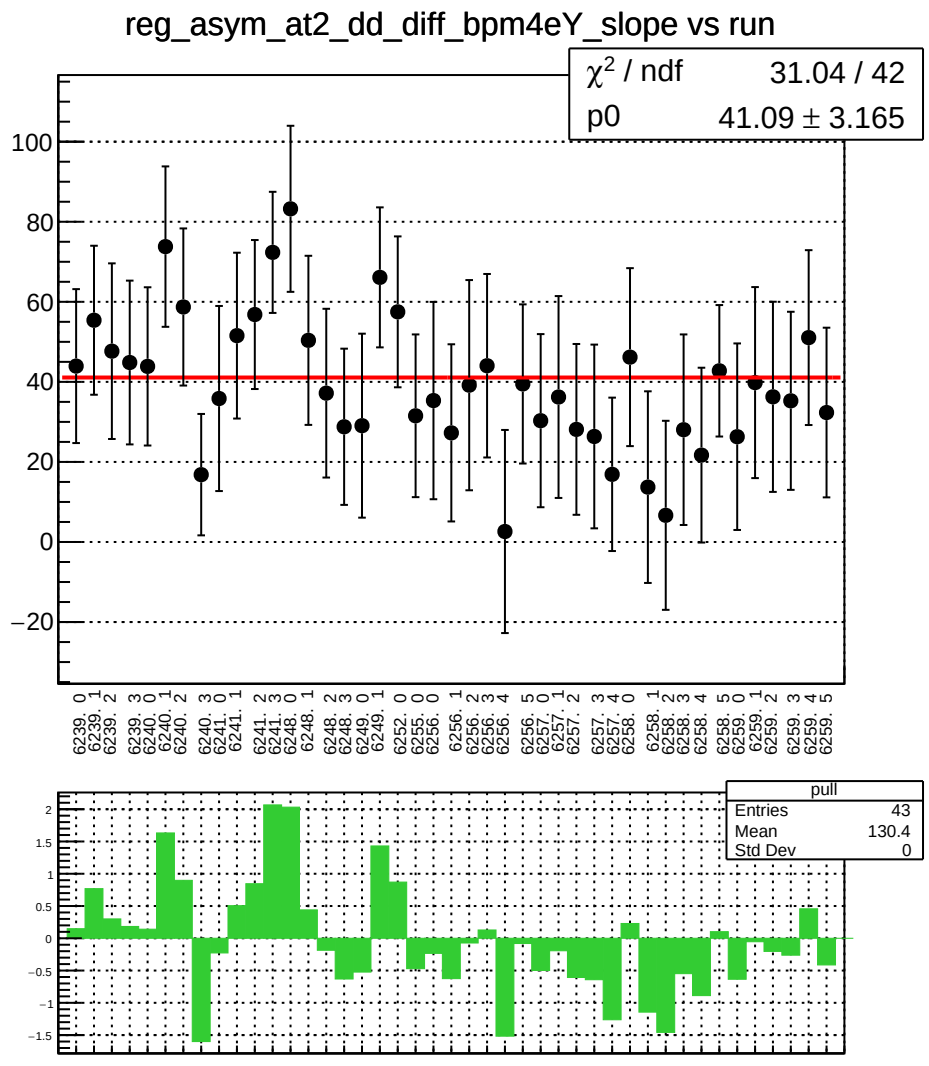

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.85 / 42
p0 −221.2 ± 0.7135
−210
−215
−220
−225
−230
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 247.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.01179
Std Dev 0.626
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

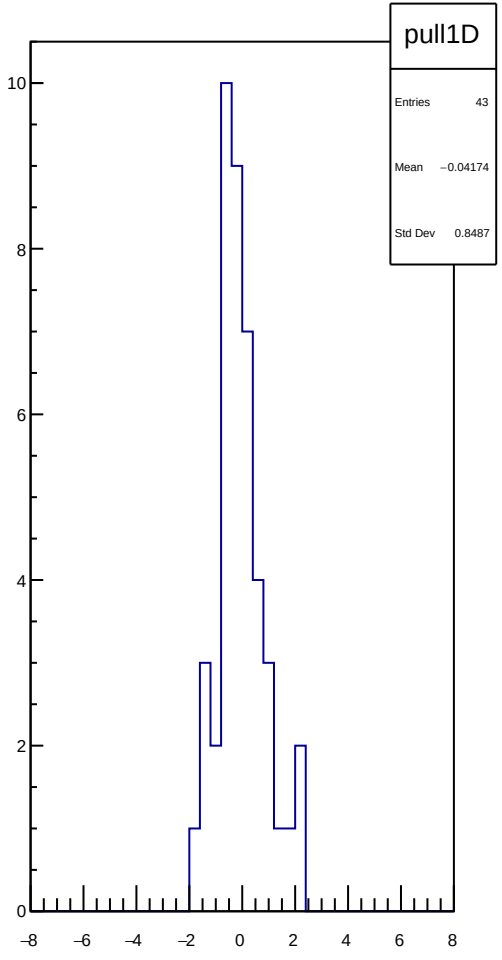

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 36.16 / 42
p0 −47.87 ± 2.412
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 293.6
Std Dev 0
3
2
1
0
−1

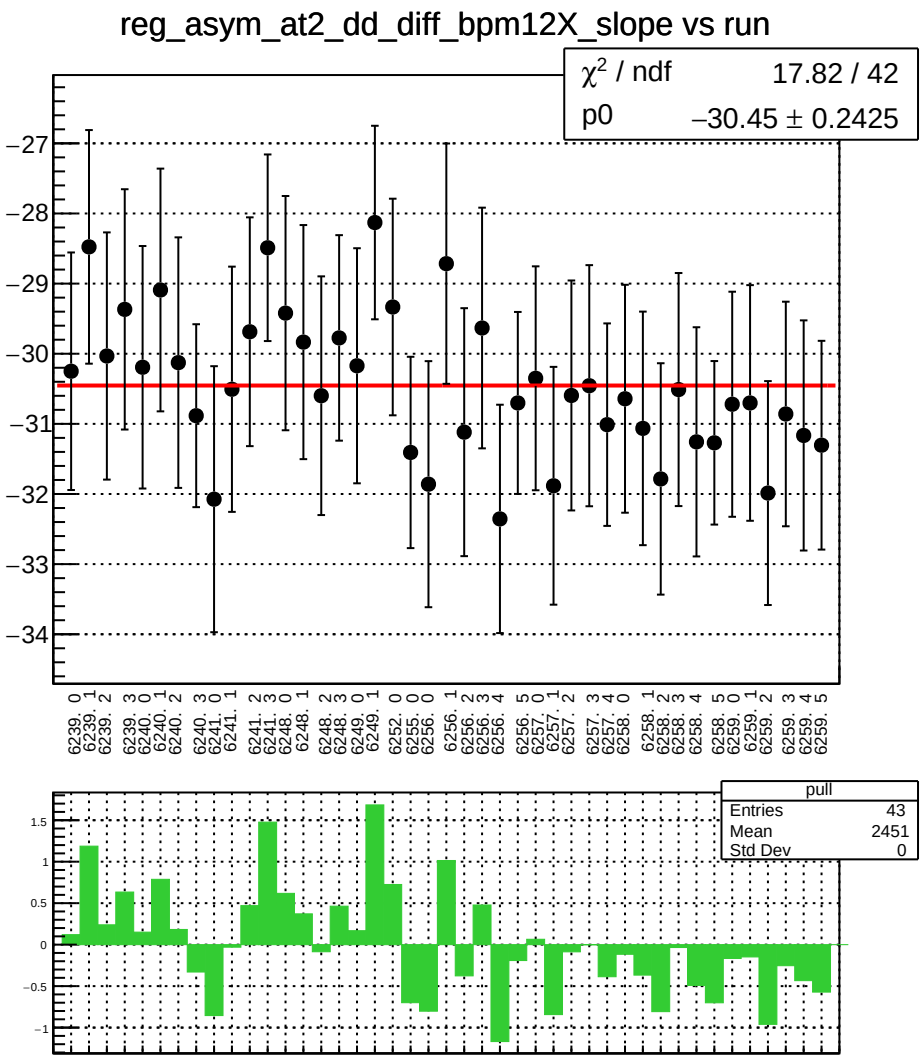

pull1D
Entries 43
Mean −0.02202
Std Dev 0.9168
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

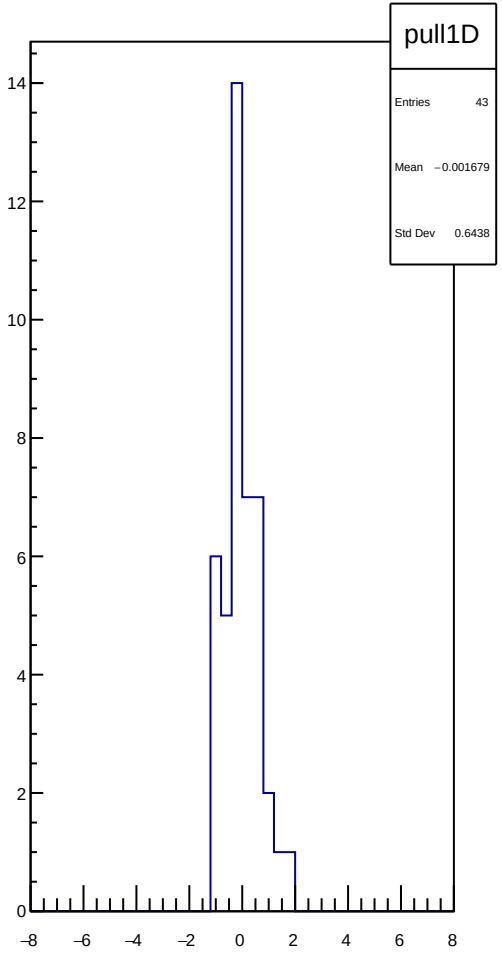

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.37 / 42
p0 −17.6 ± 2.893
40
20
0
−20
−40
−60
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 141.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.04091
Std Dev 0.8667
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

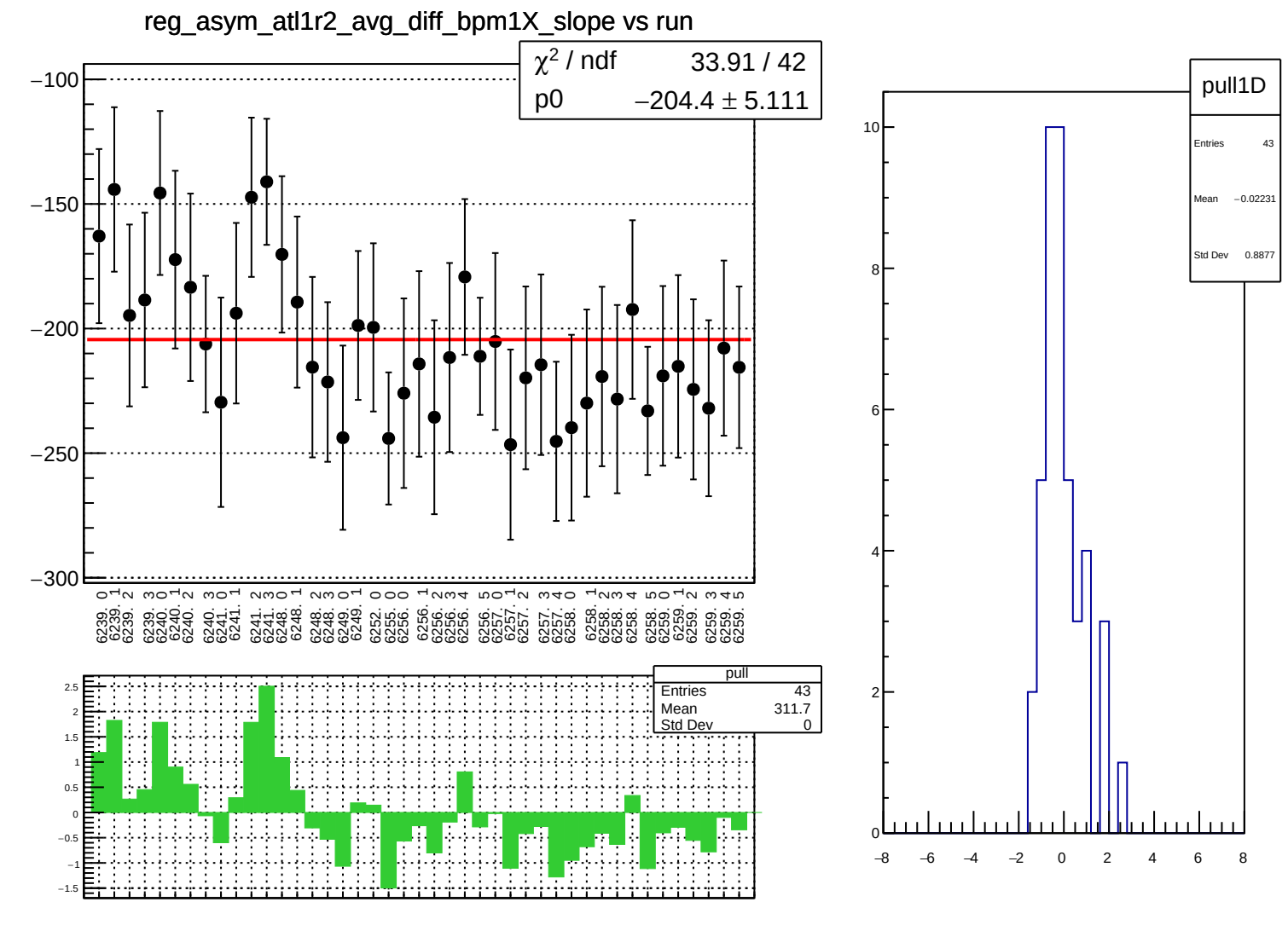

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.09 / 42
p0 146.2 ± 2.902
220
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 283.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.02546
Std Dev 0.989
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

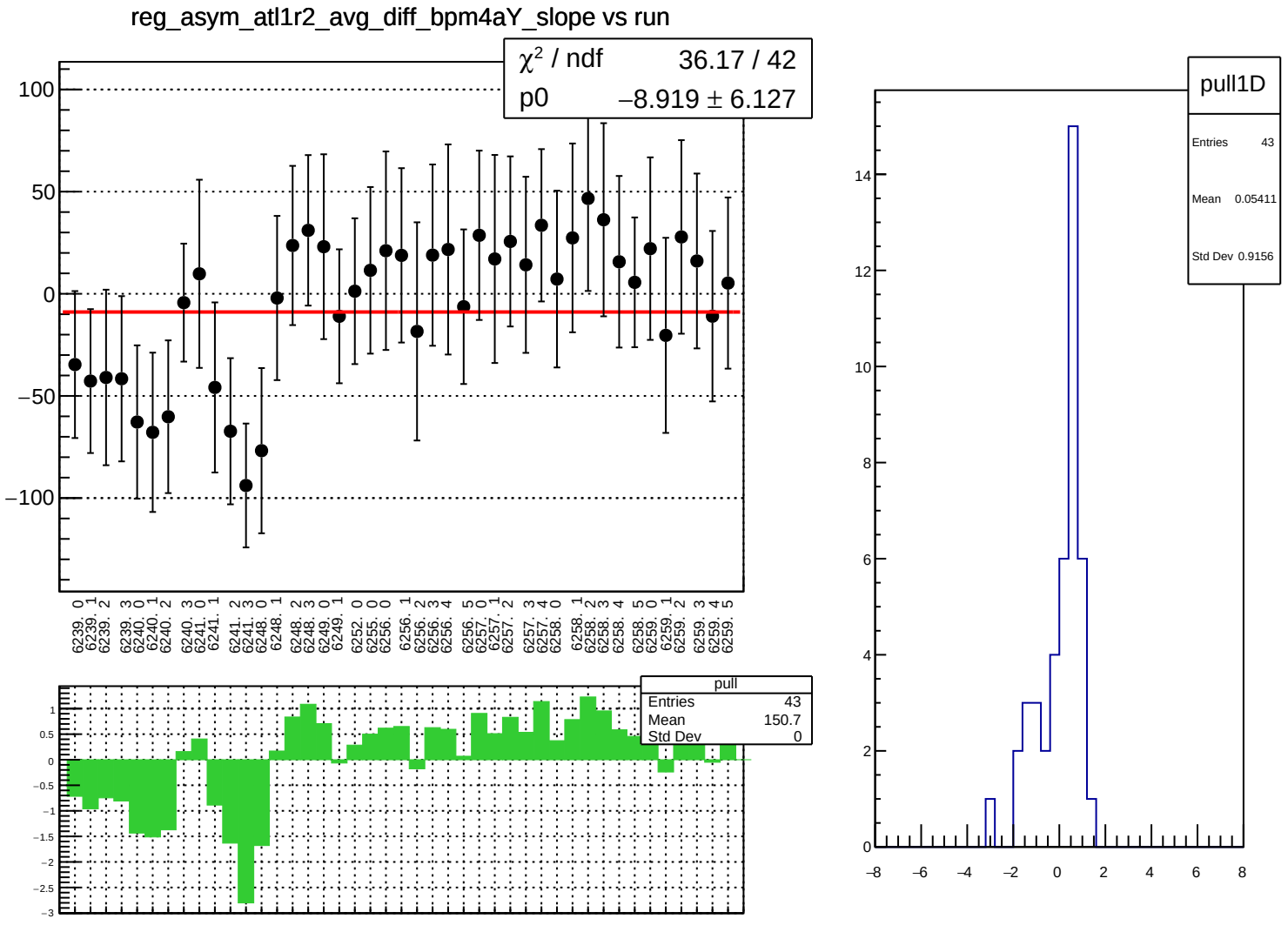

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.04 / 42
p0 41.09 ± 3.165
pull
Entries 43
Mean 130.4
Std Dev 0

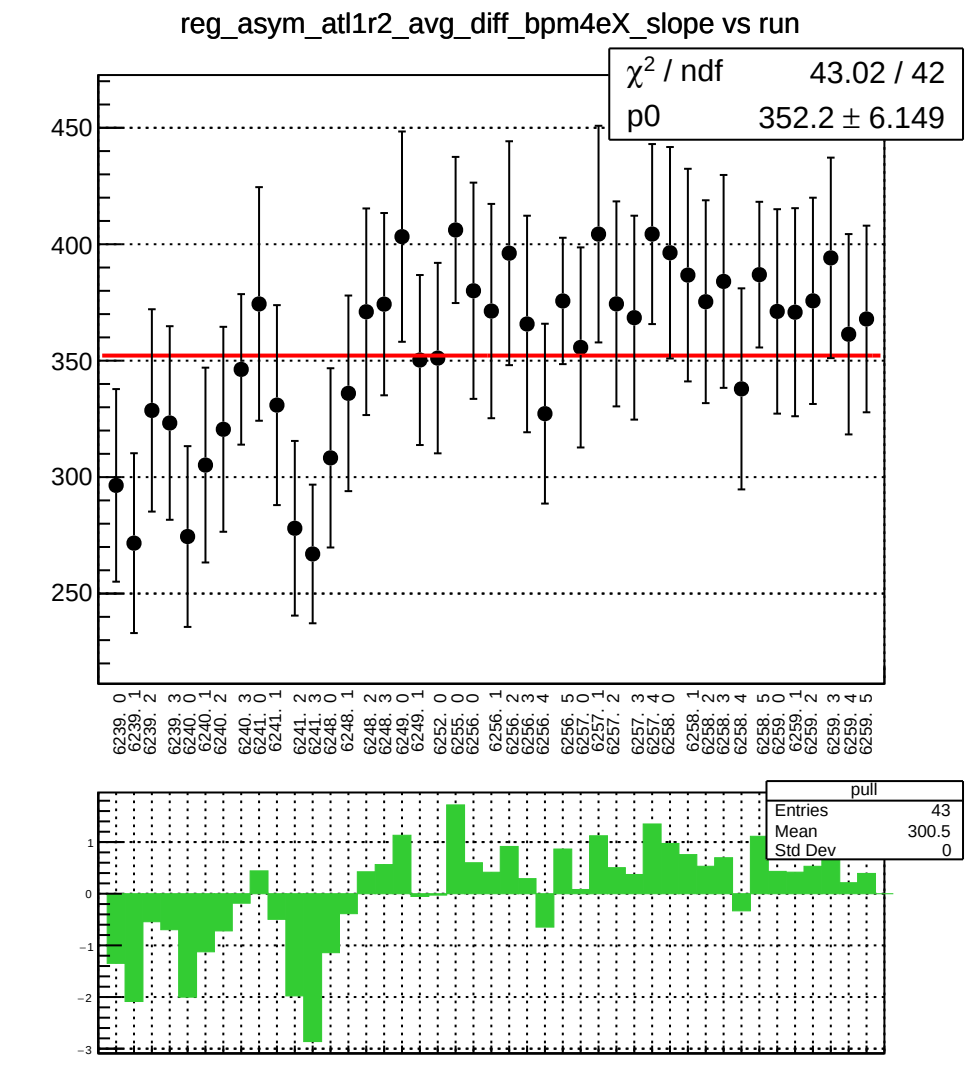

pull1D
Entries 43
Mean −0.04174
Std Dev 0.8487

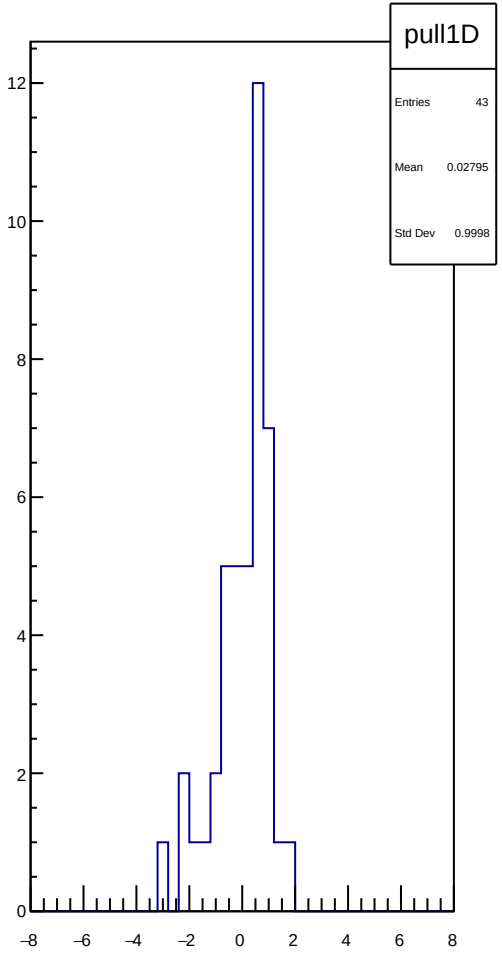

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 17.82 / 42
p0 −30.45 ± 0.2425
pull
Entries 43
Mean 2451
Std Dev 0

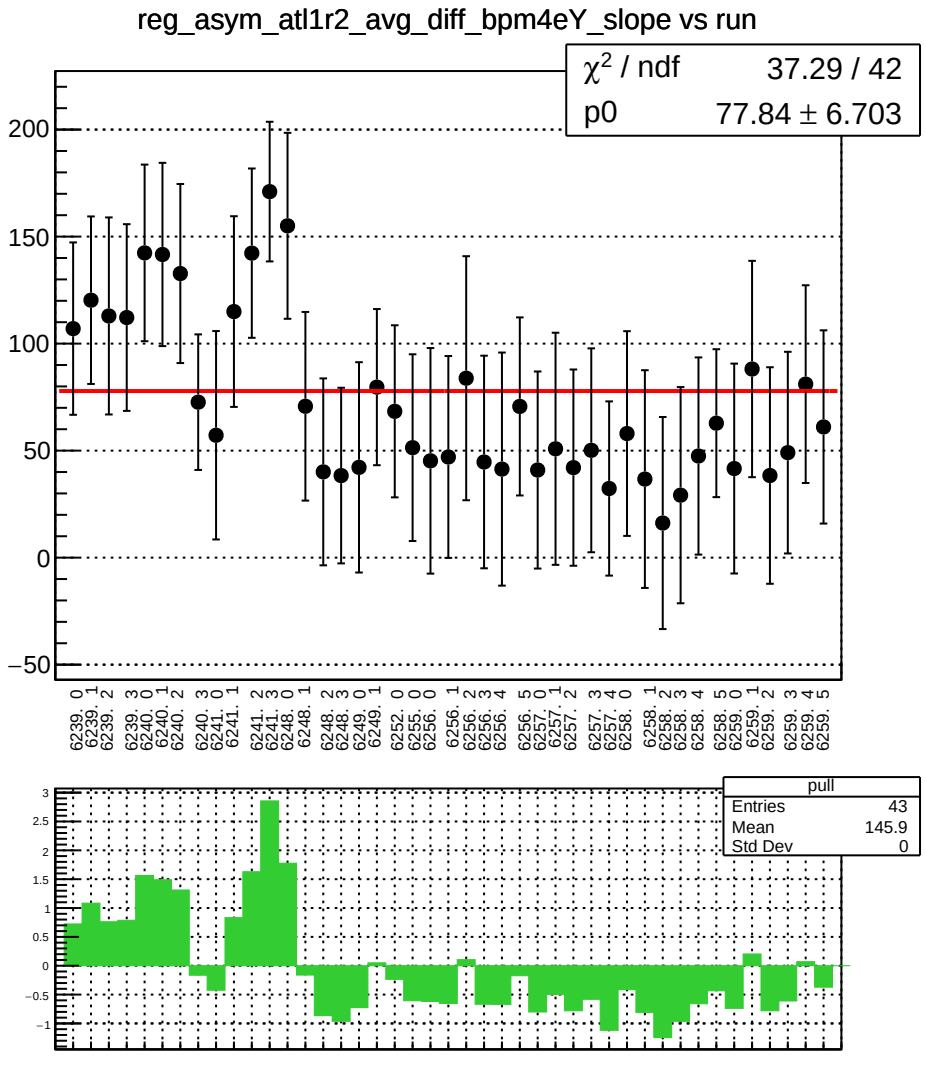

pull1D
Entries 43
Mean −0.001679
Std Dev 0.6438

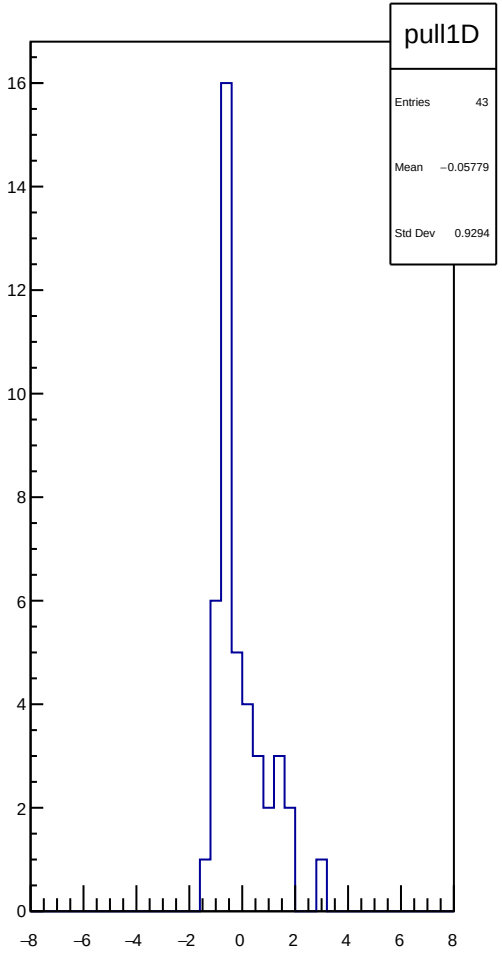

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 33.91 / 42
p0 −204.4 ± 5.111
−100
−150
−200
−250
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 311.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.02231
Std Dev 0.8877
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.17 / 42
p0 −8.919 ± 6.127
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 150.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 43
Mean 0.05411
Std Dev 0.9156
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

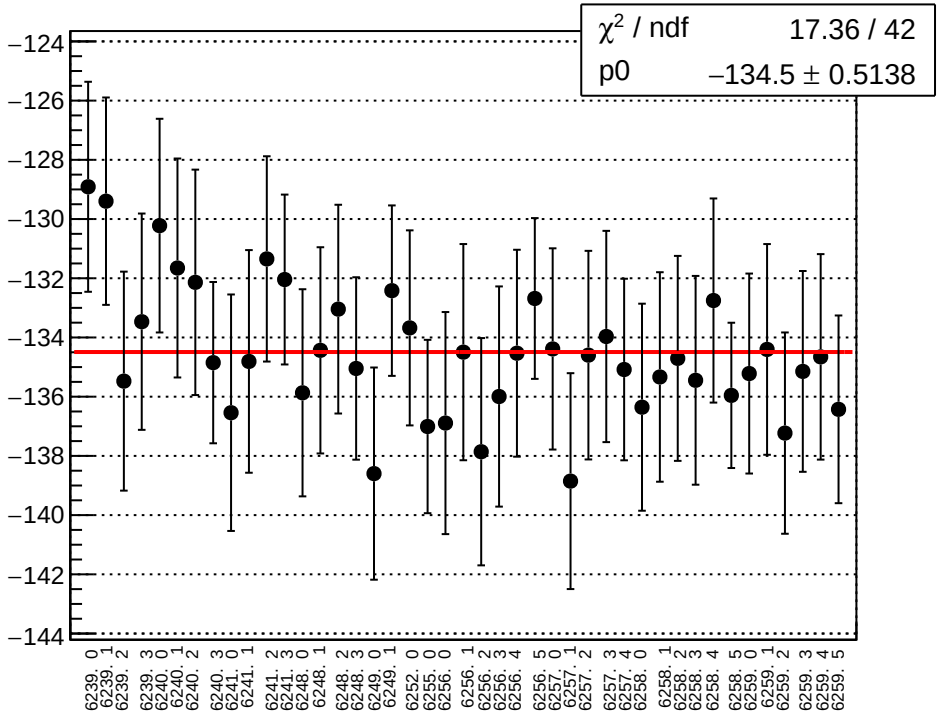

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.02 / 42
p0 352.2 ± 6.149
450
400
350
300
250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 300.5
Std Dev 0
1
0
−1
−2
−3

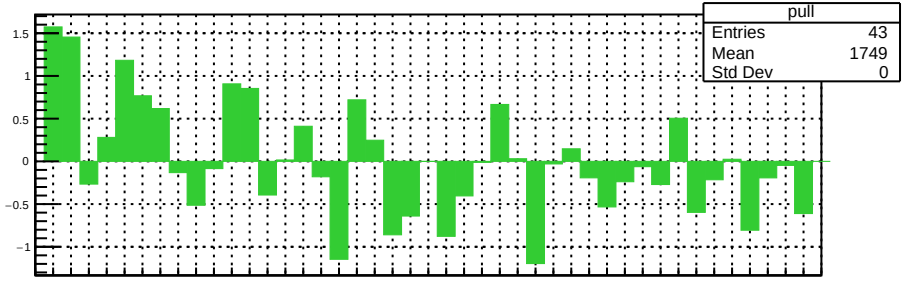

pull1D
Entries 43
Mean 0.02795
Std Dev 0.9998
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

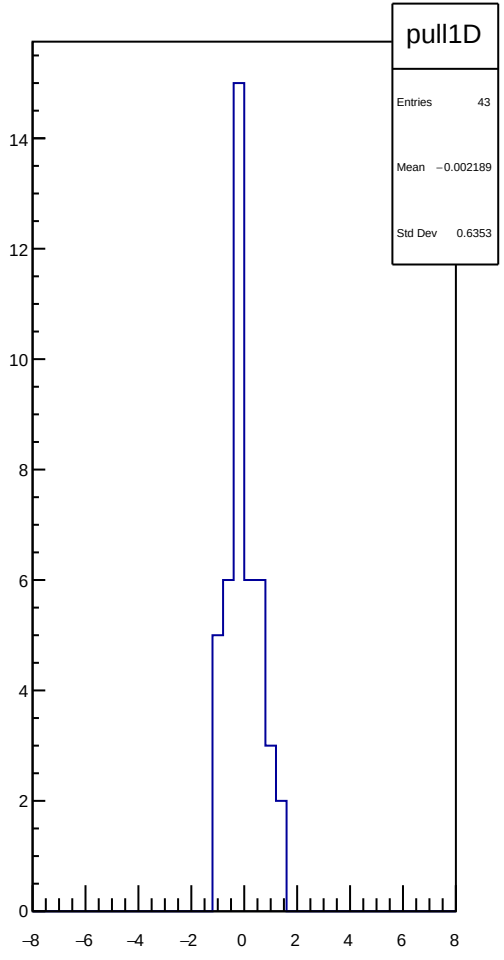

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.29 / 42
p0 77.84 ± 6.703
200
150
100
50
0
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 145.9
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1

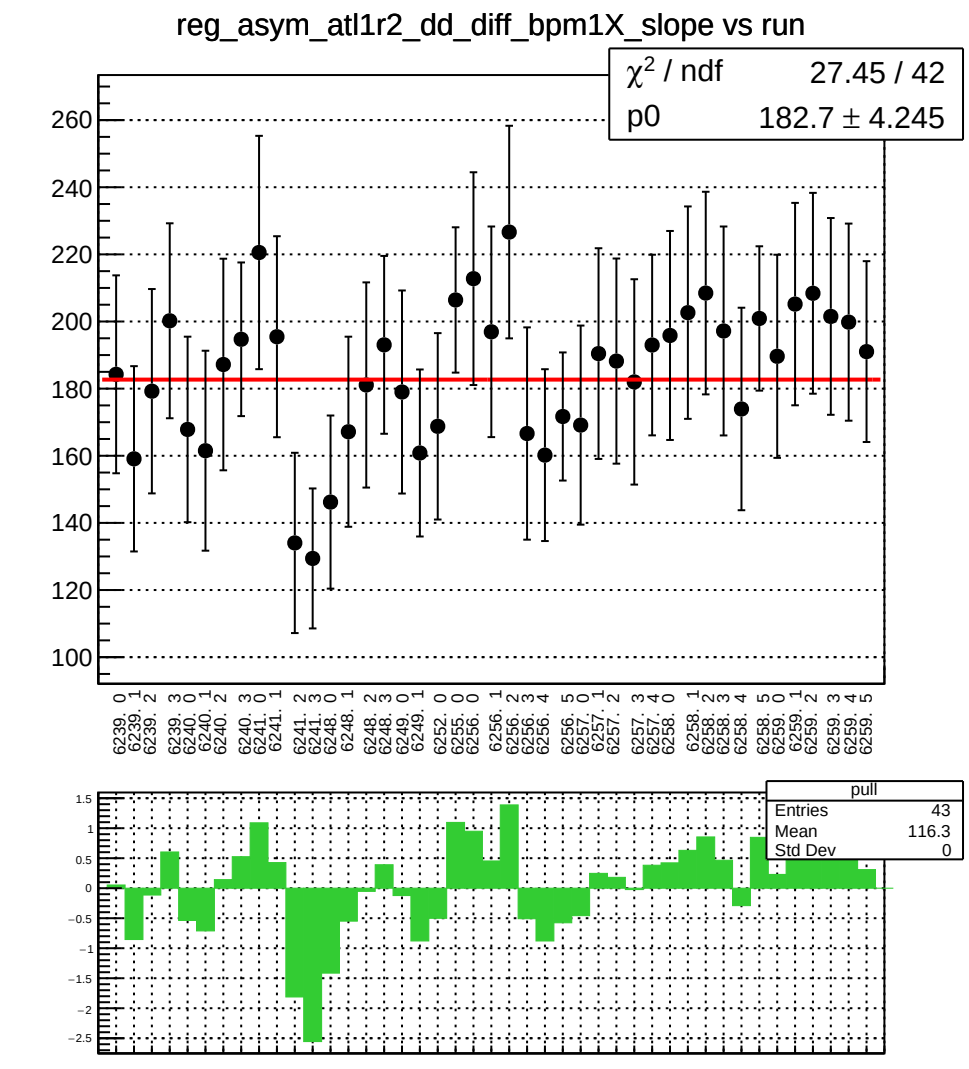

pull1D
Entries 43
Mean −0.05779
Std Dev 0.9294
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

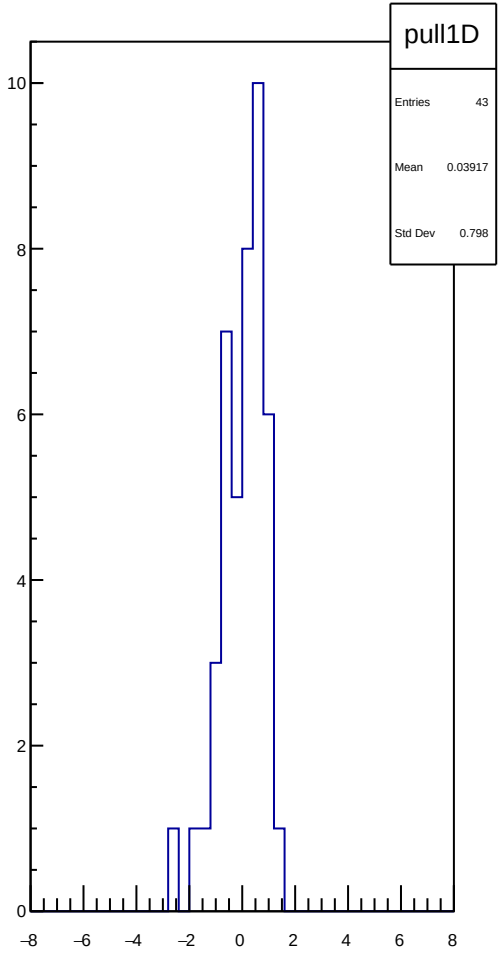
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run

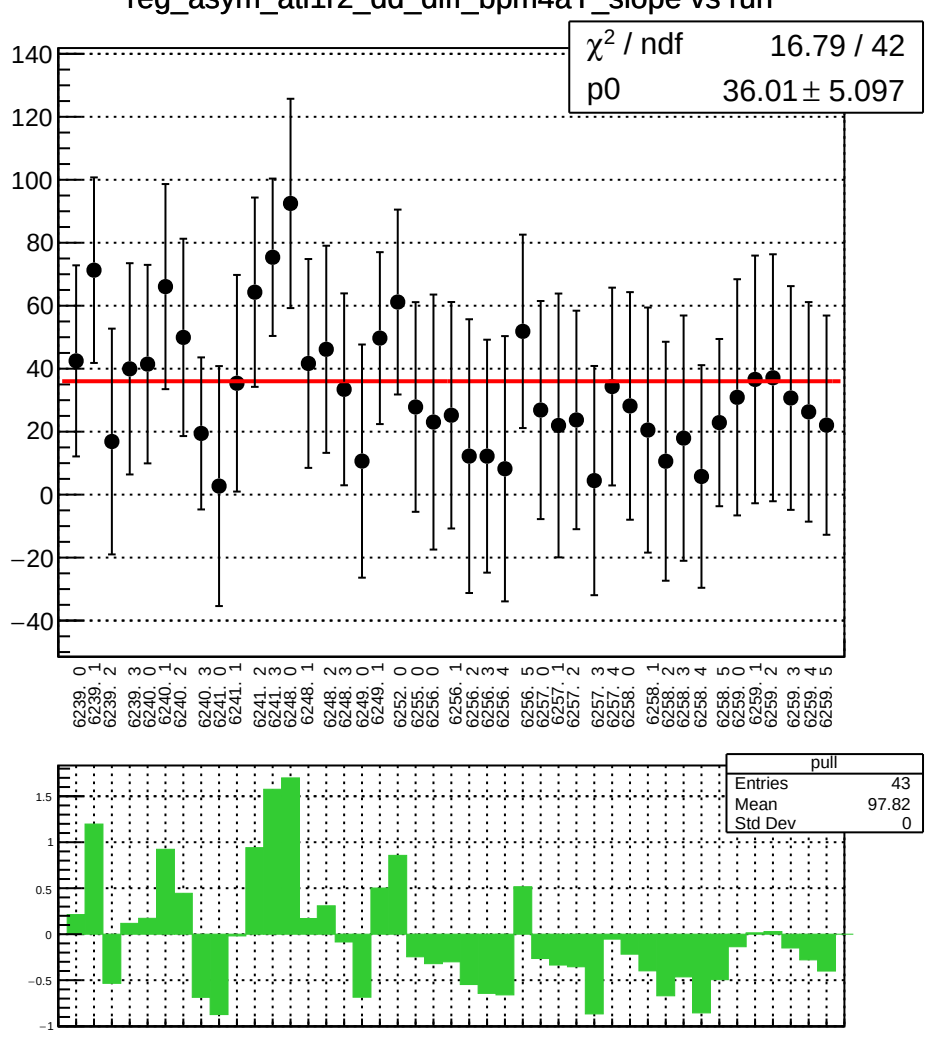


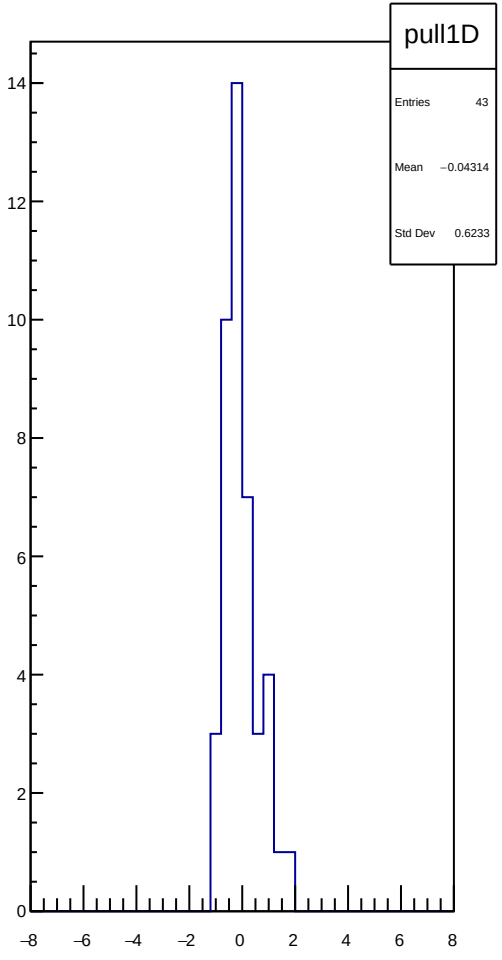



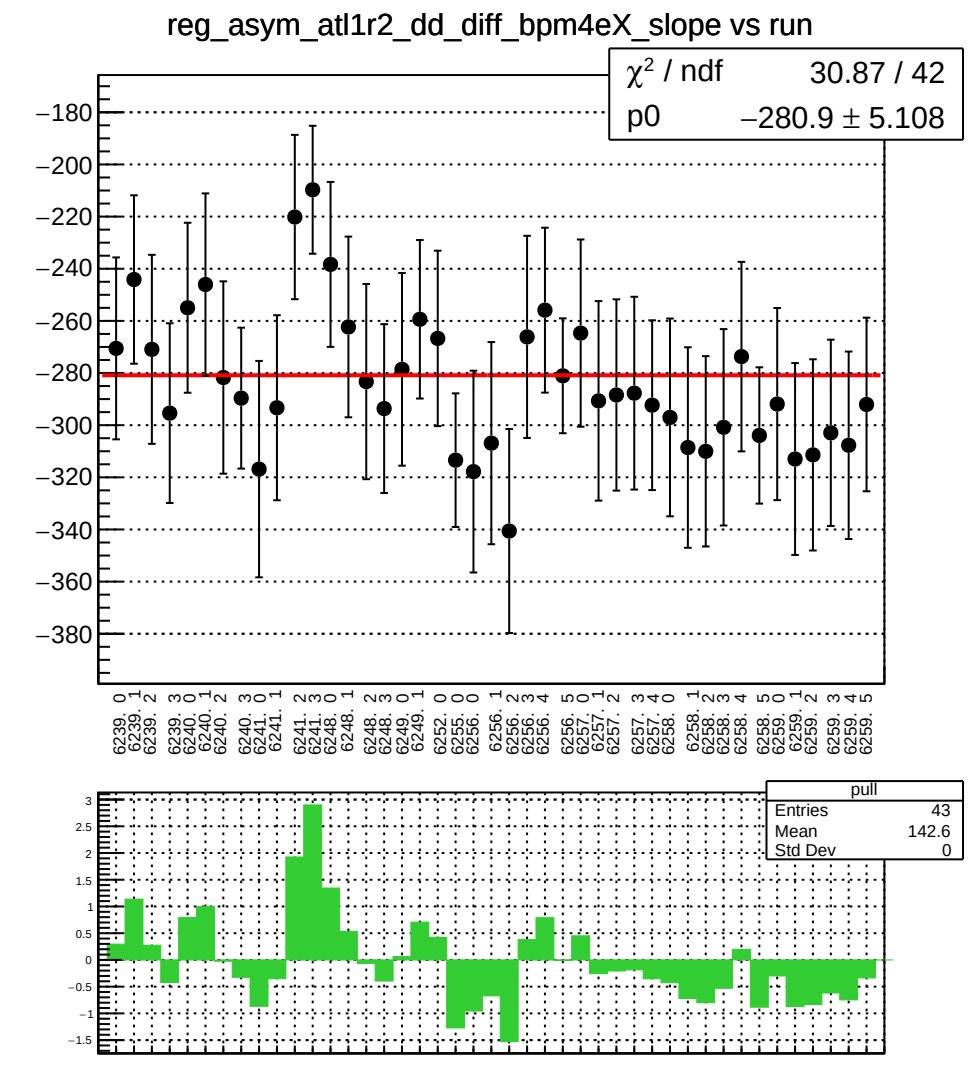



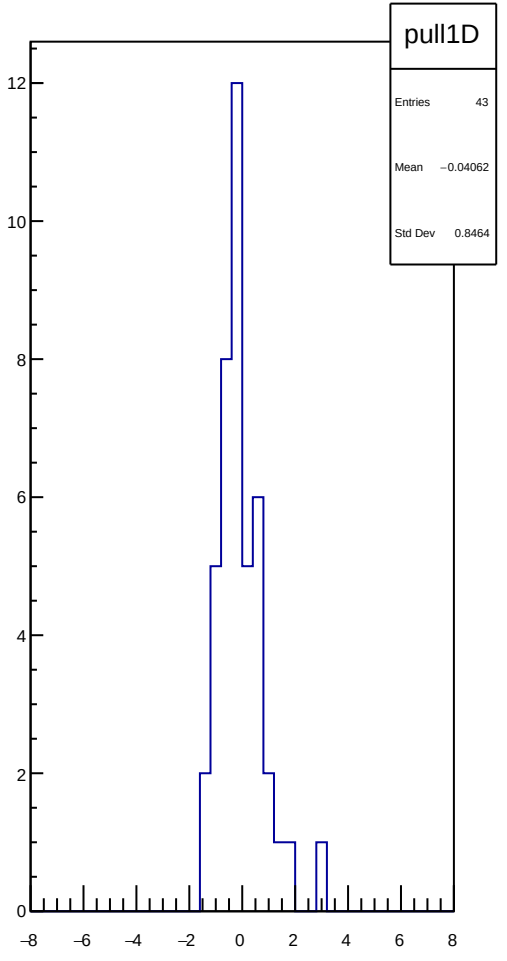

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.45 / 42
p0 182.7 ± 4.245
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 116.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

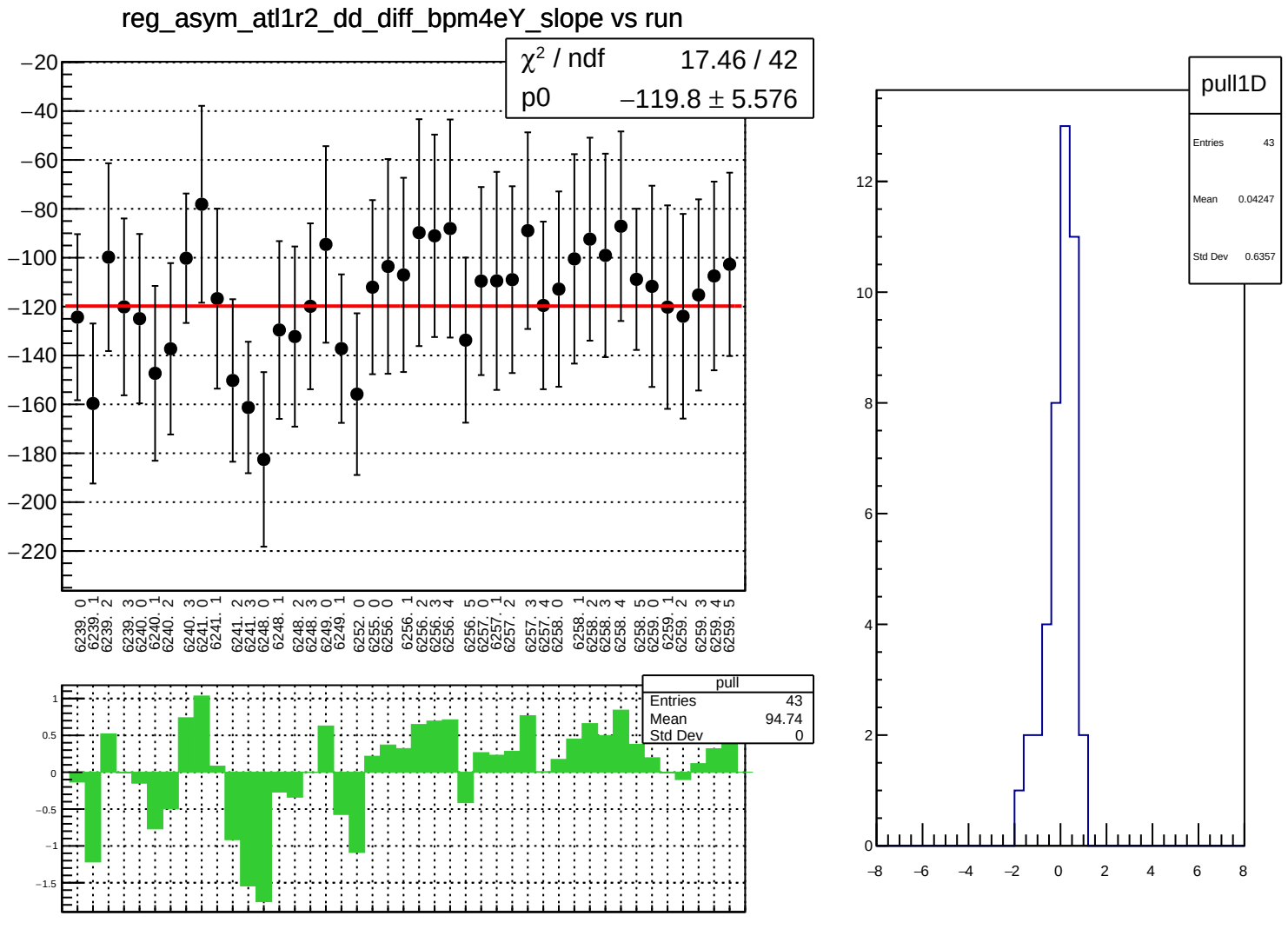

pull1D
Entries 43
Mean 0.03917
Std Dev 0.798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

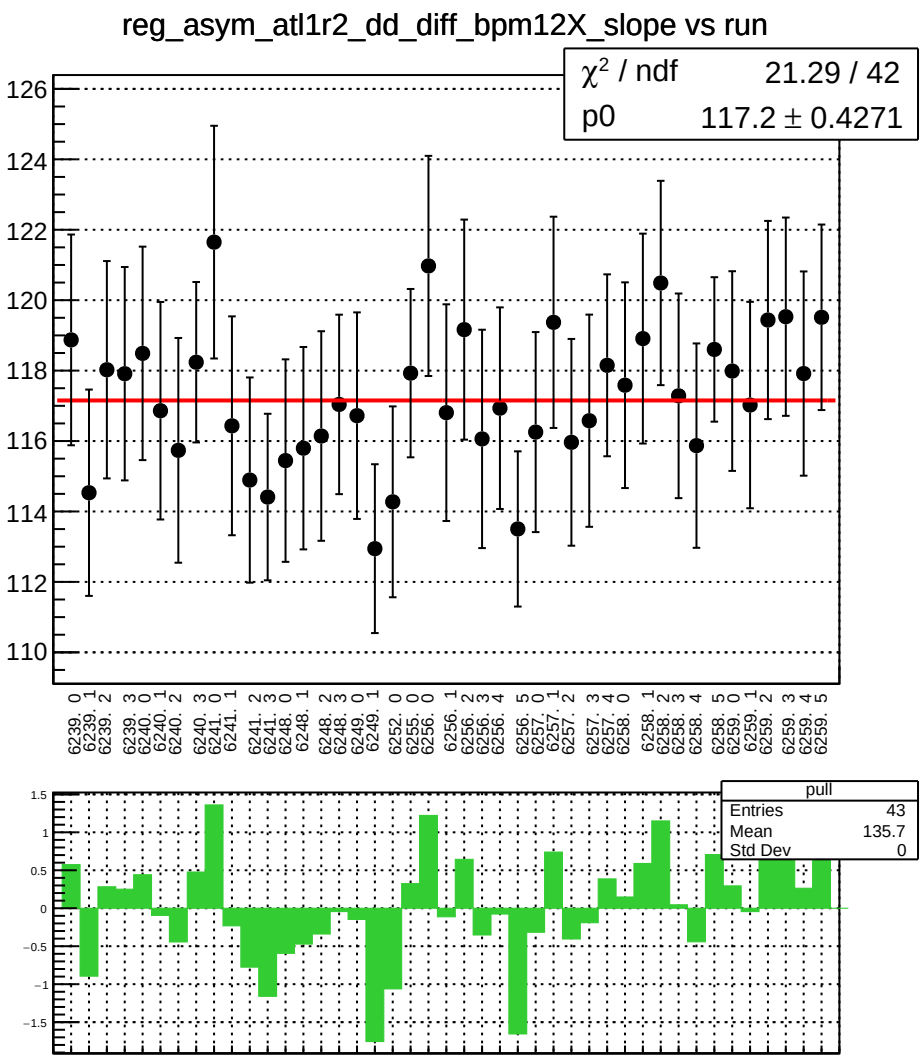

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.79 / 42
p0 36.01 ± 5.097
pull
Entries 43
Mean 97.82
Std Dev 0

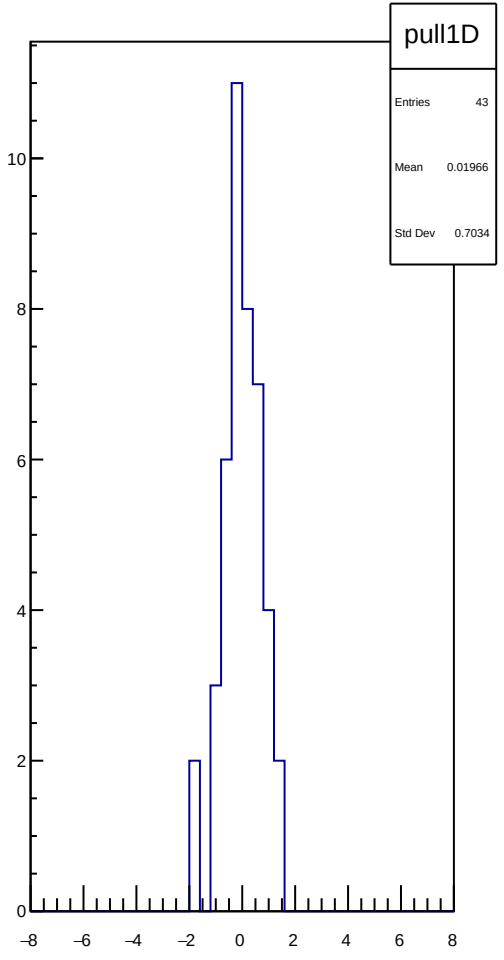

pull1D
Entries 43
Mean −0.04314
Std Dev 0.6233

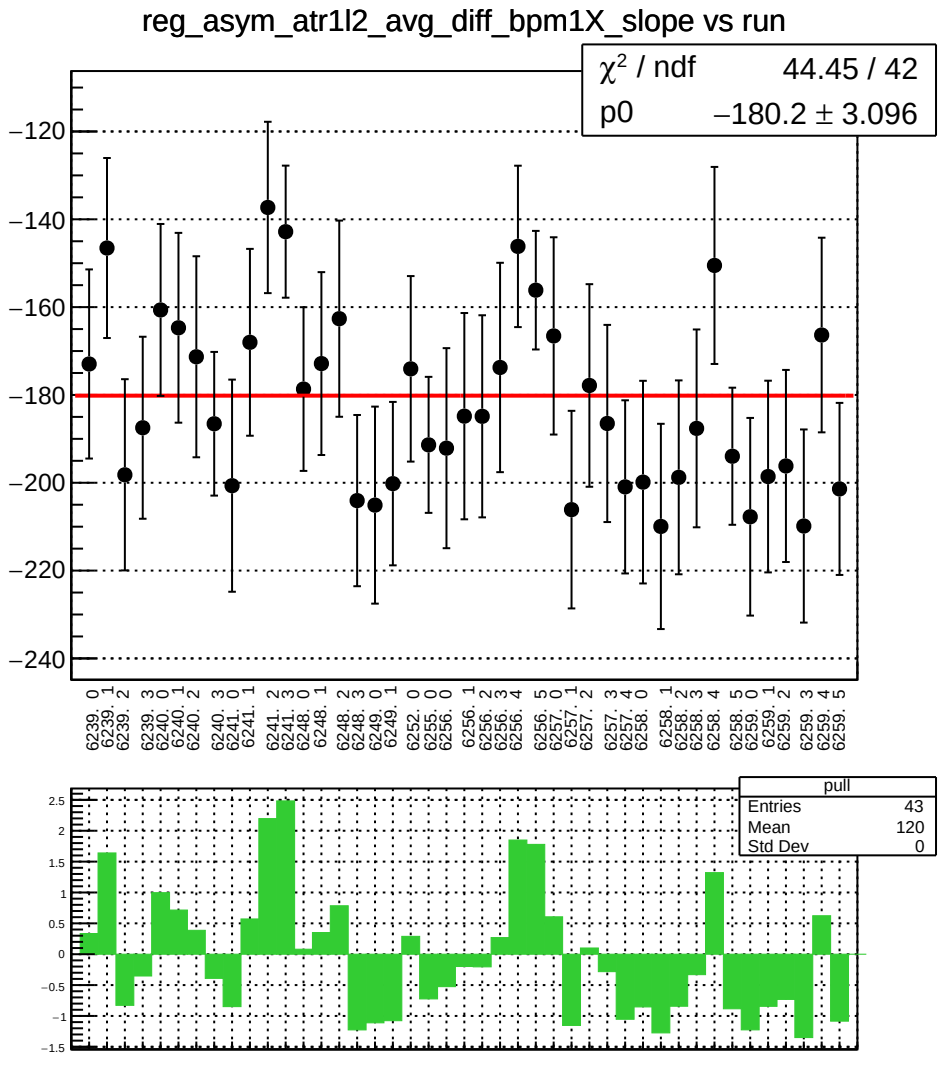

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.87 / 42
p0 −280.9 ± 5.108
−180
−200
−220
−240
−260
−280
−300
−320
−340
−360
−380
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 142.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

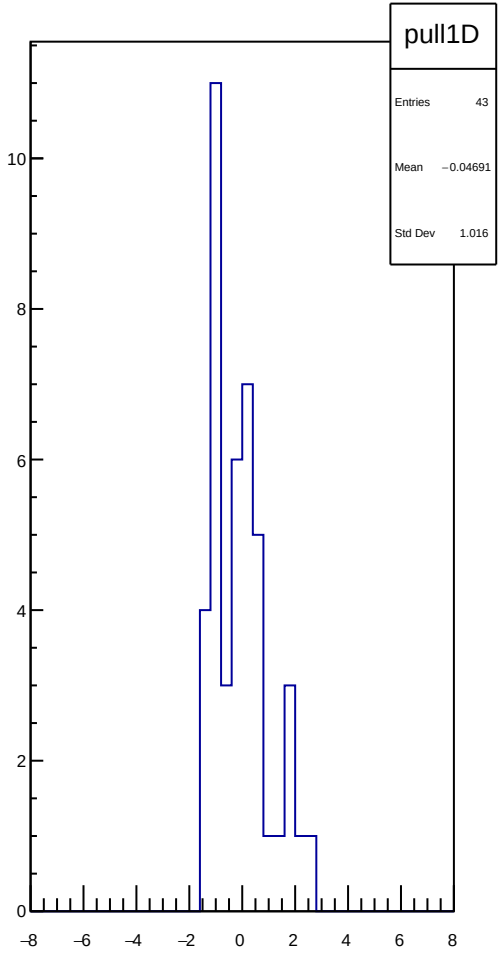

pull1D
Entries 43
Mean −0.04062
Std Dev 0.8464
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

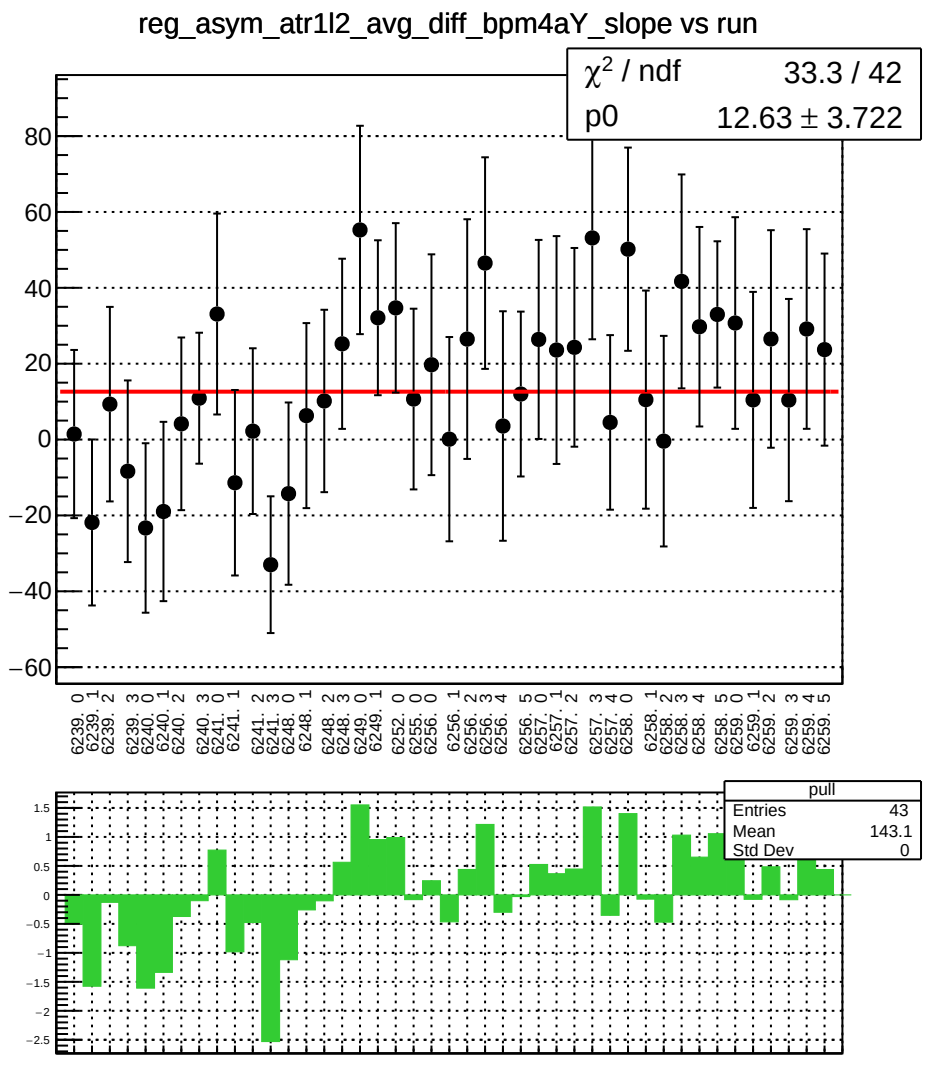

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.46 / 42
p0 −119.8 ± 5.576
pull
Entries 43
Mean 94.74
Std Dev 0
pull1D
Entries 43
Mean 0.04247
Std Dev 0.6357

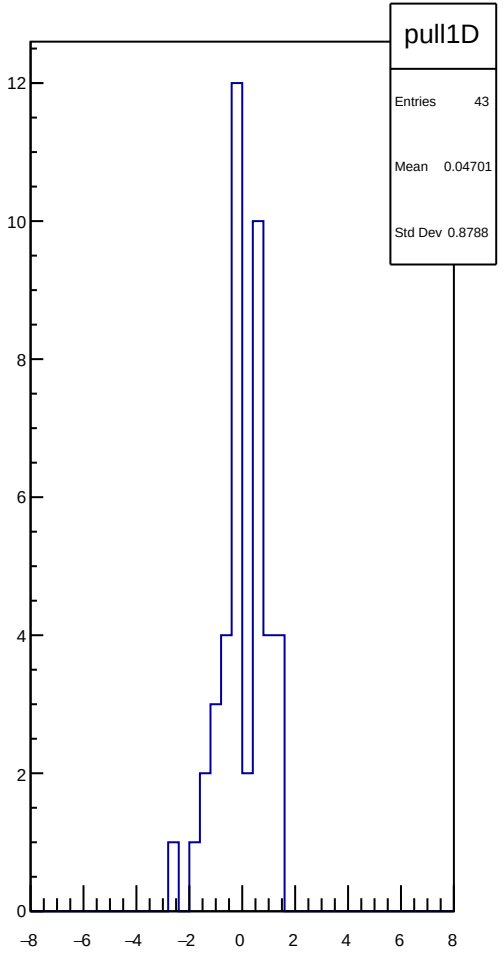

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.29 / 42
p0 117.2 ± 0.4271
126
124
122
120
118
116
114
112
110
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 135.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

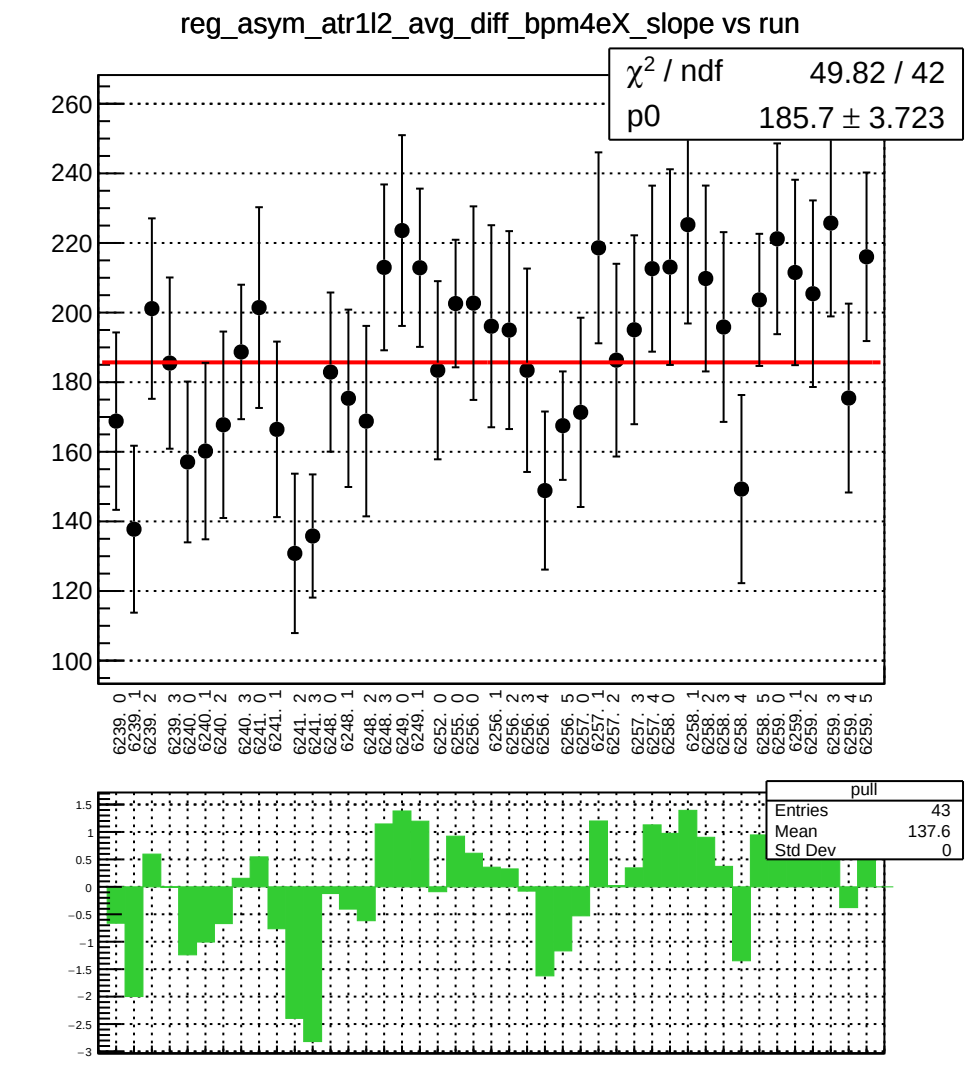

pull1D
Entries 43
Mean 0.01966
Std Dev 0.7034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

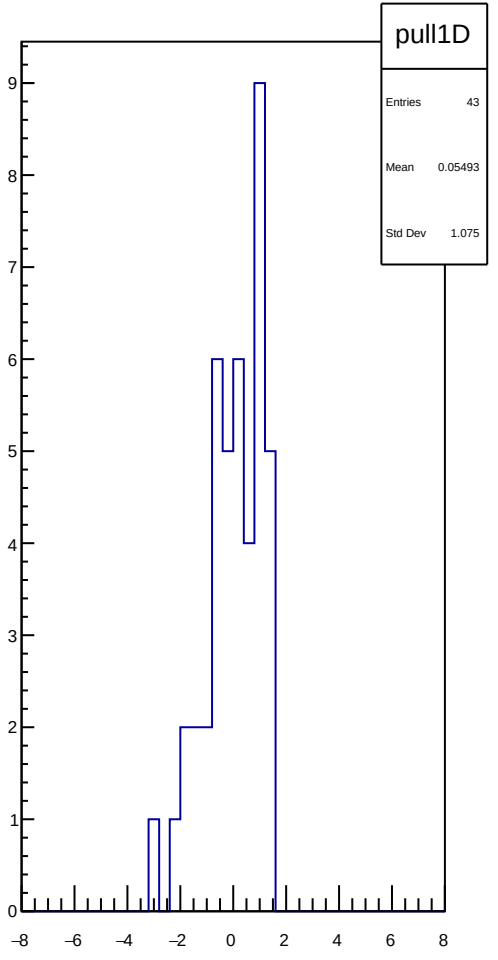

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 44.45 / 42
p0 −180.2 ± 3.096
pull
Entries 43
Mean 120
Std Dev 0

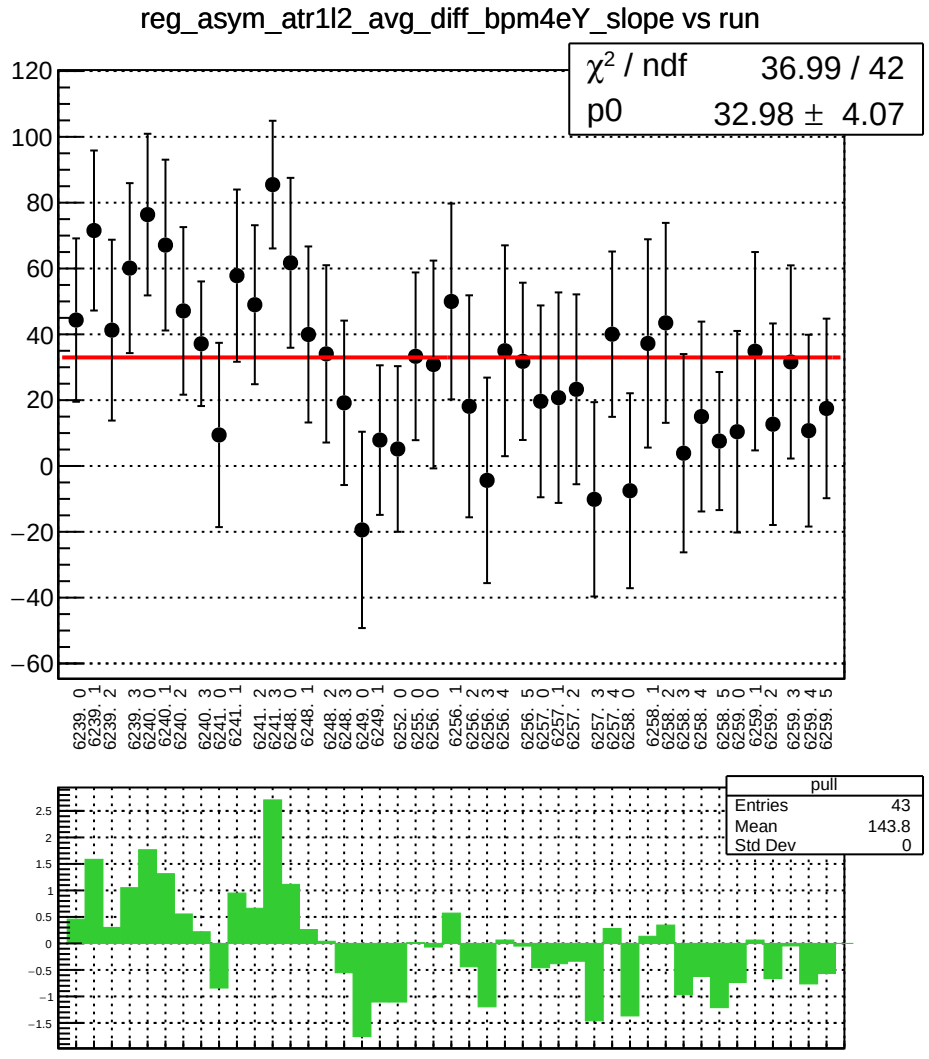

pull1D
Entries 43
Mean −0.04691
Std Dev 1.016

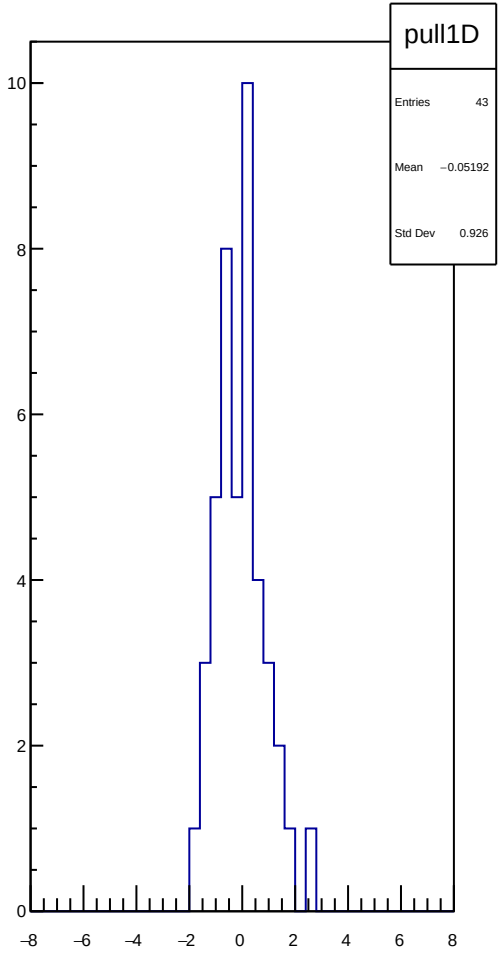

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.3 / 42
p0 12.63 ± 3.722
pull
Entries 43
Mean 143.1
Std Dev 0

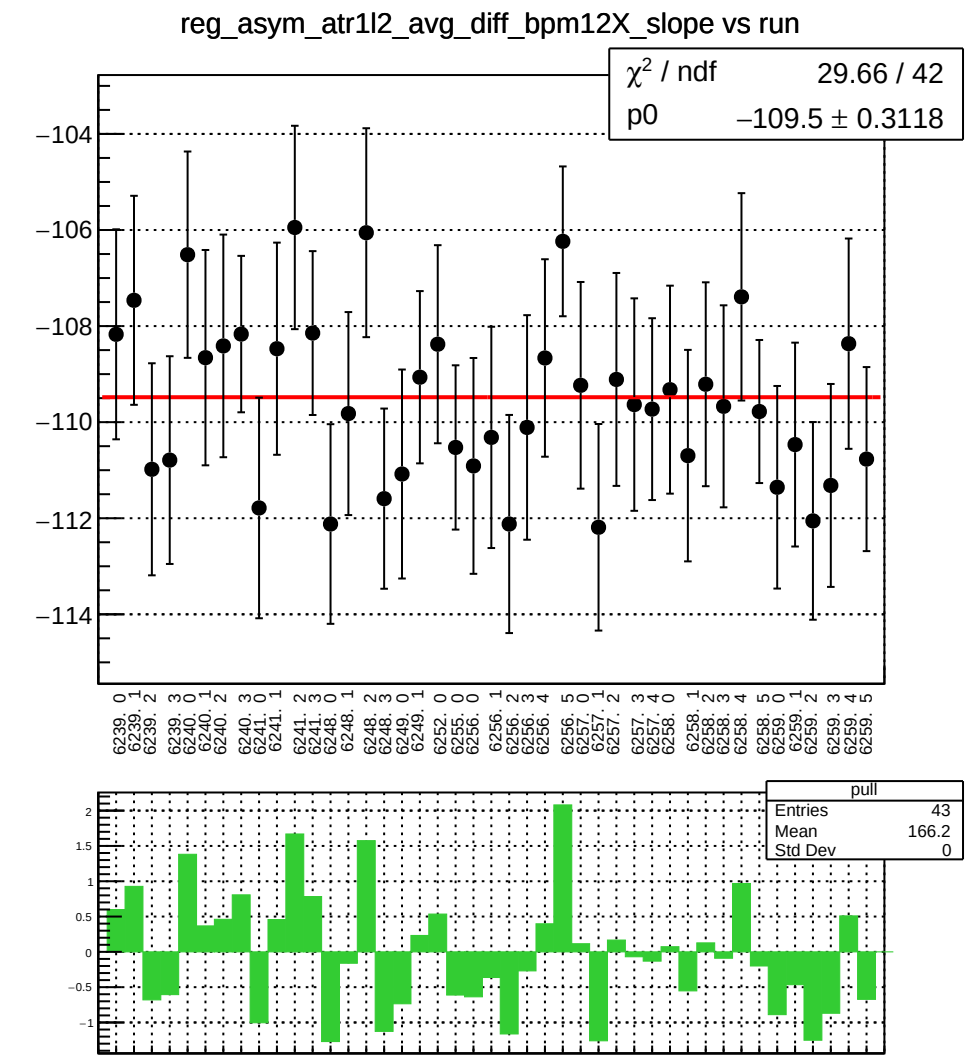

pull1D
Entries 43
Mean 0.04701
Std Dev 0.8788

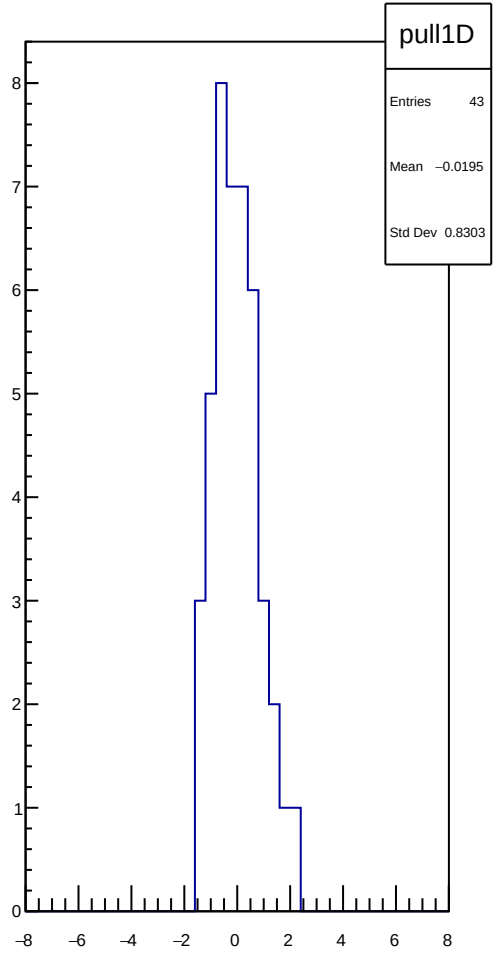

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.82 / 42
p0 185.7 ± 3.723
260
240
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 137.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

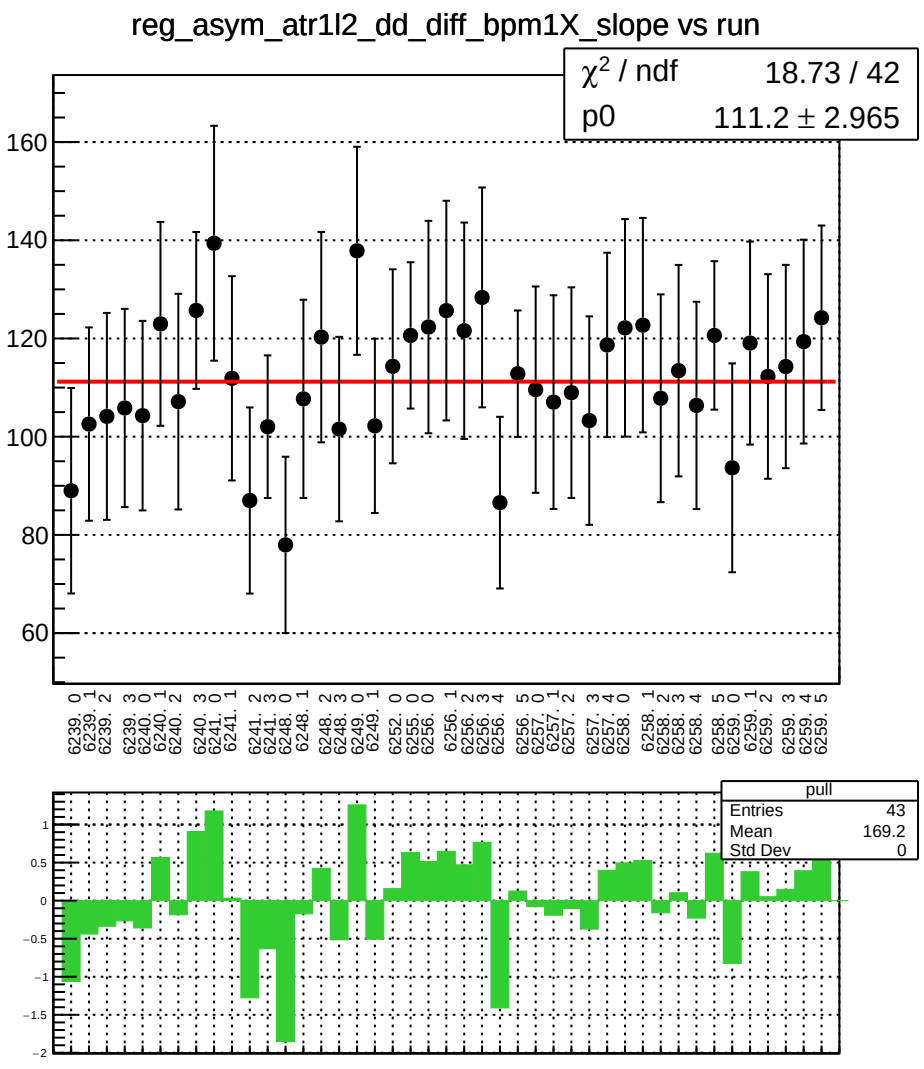

pull1D
Entries 43
Mean 0.05493
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

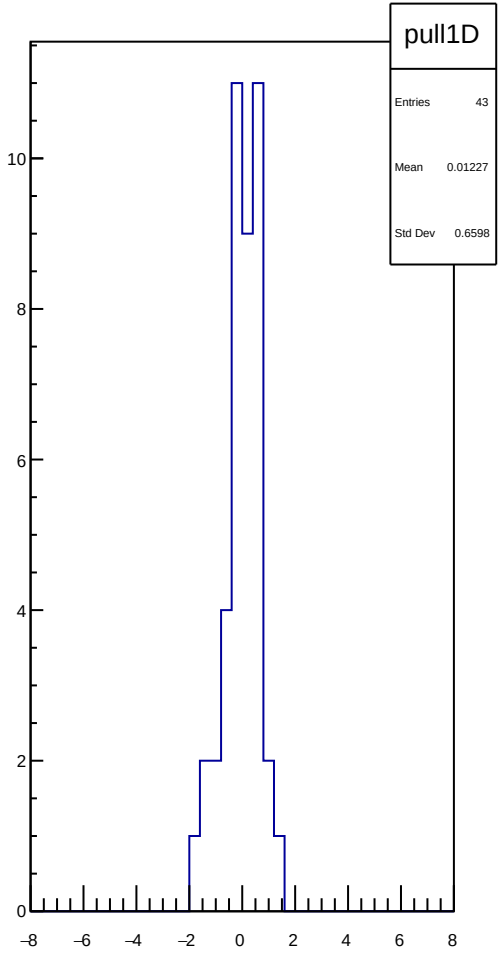

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.99 / 42
p0 32.98 ± 4.07
pull
Entries 43
Mean 143.8
Std Dev 0

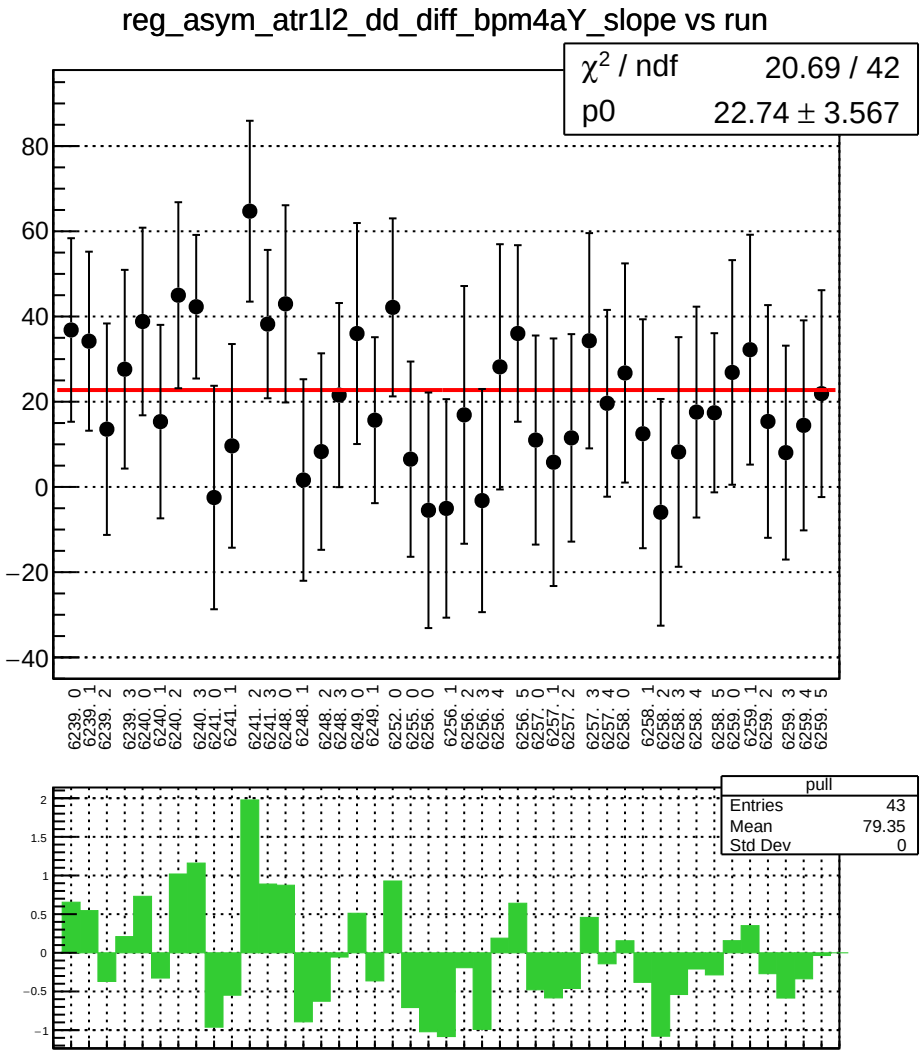

pull1D
Entries 43
Mean −0.05192
Std Dev 0.926

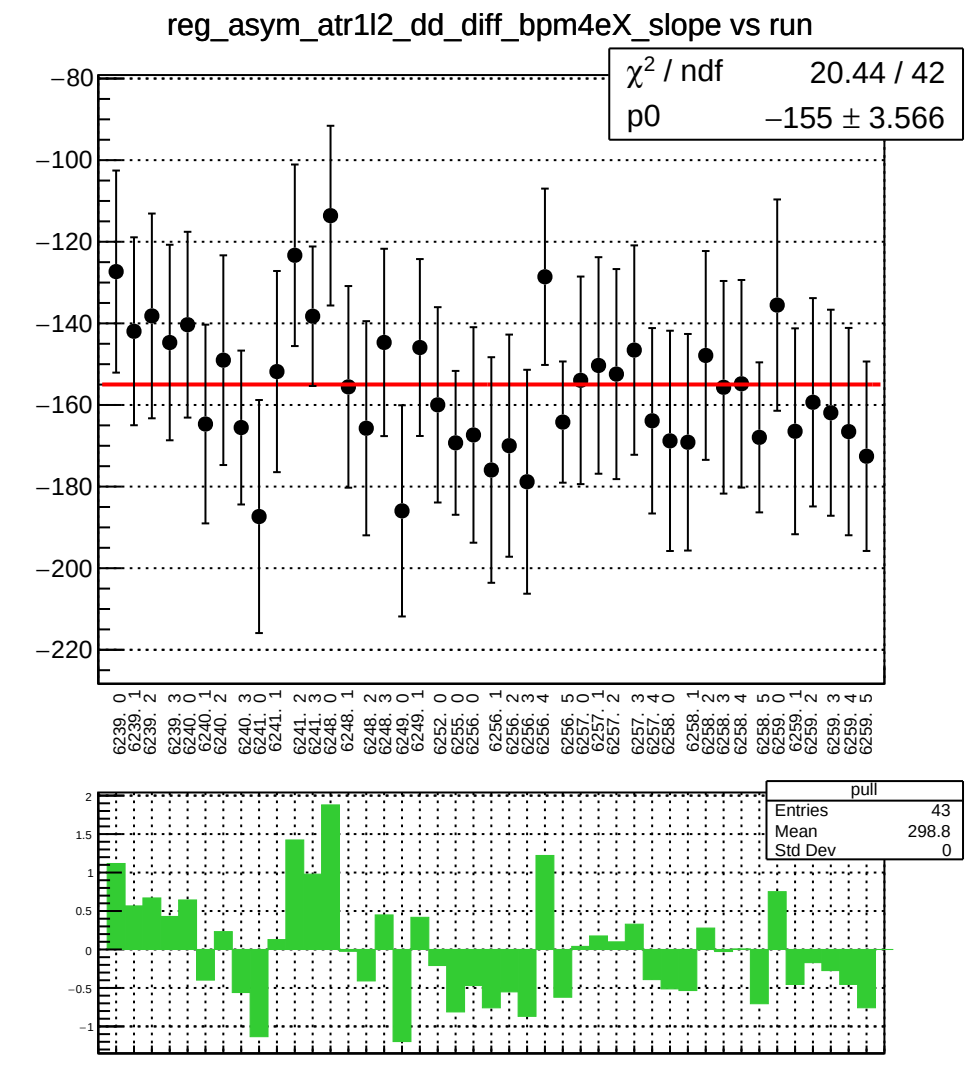

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 29.66 / 42
p0 −109.5 ± 0.3118
−104
−106
−108
−110
−112
−114
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 166.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

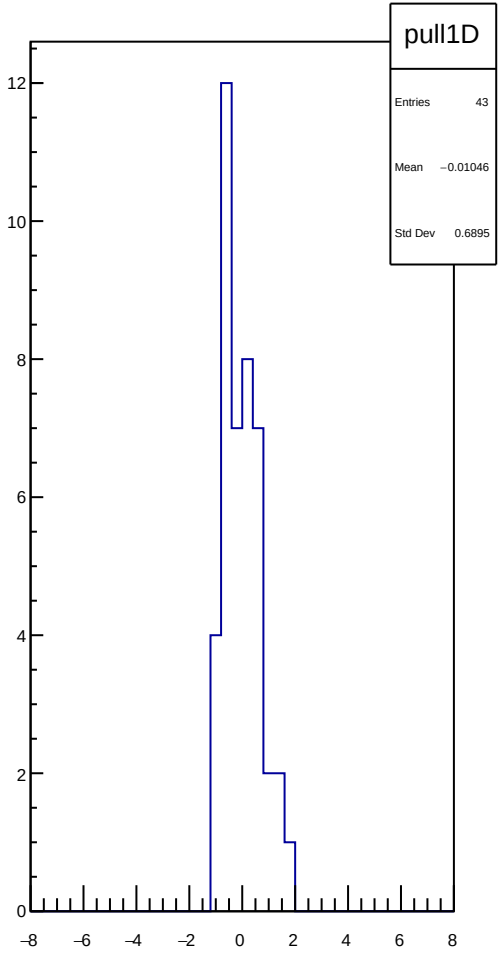

pull1D
Entries 43
Mean −0.0195
Std Dev 0.8303
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

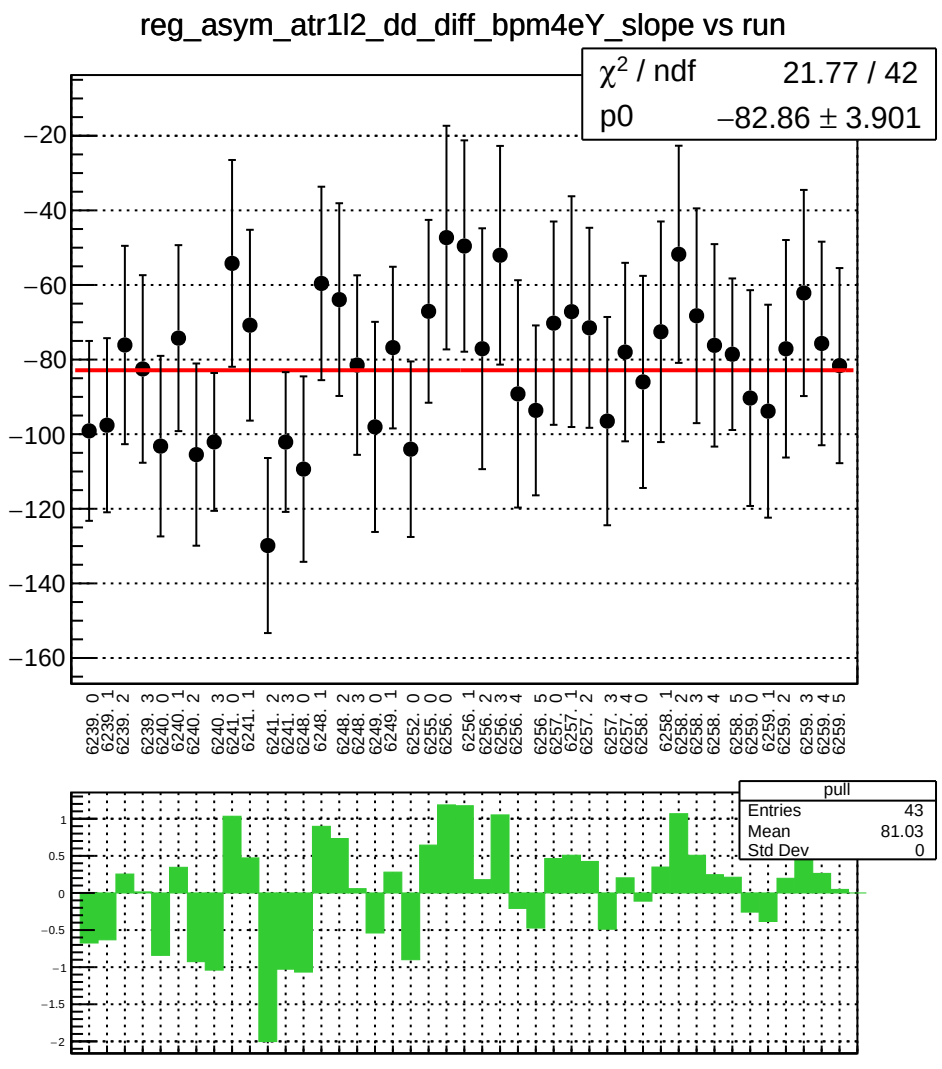

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.73 / 42
p0 111.2 ± 2.965
160
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 169.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

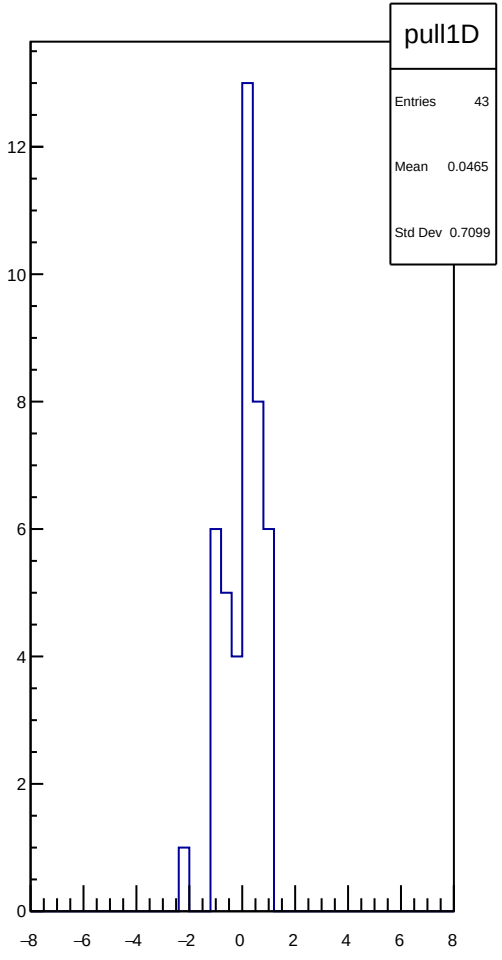

pull1D
Entries 43
Mean 0.01227
Std Dev 0.6598
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

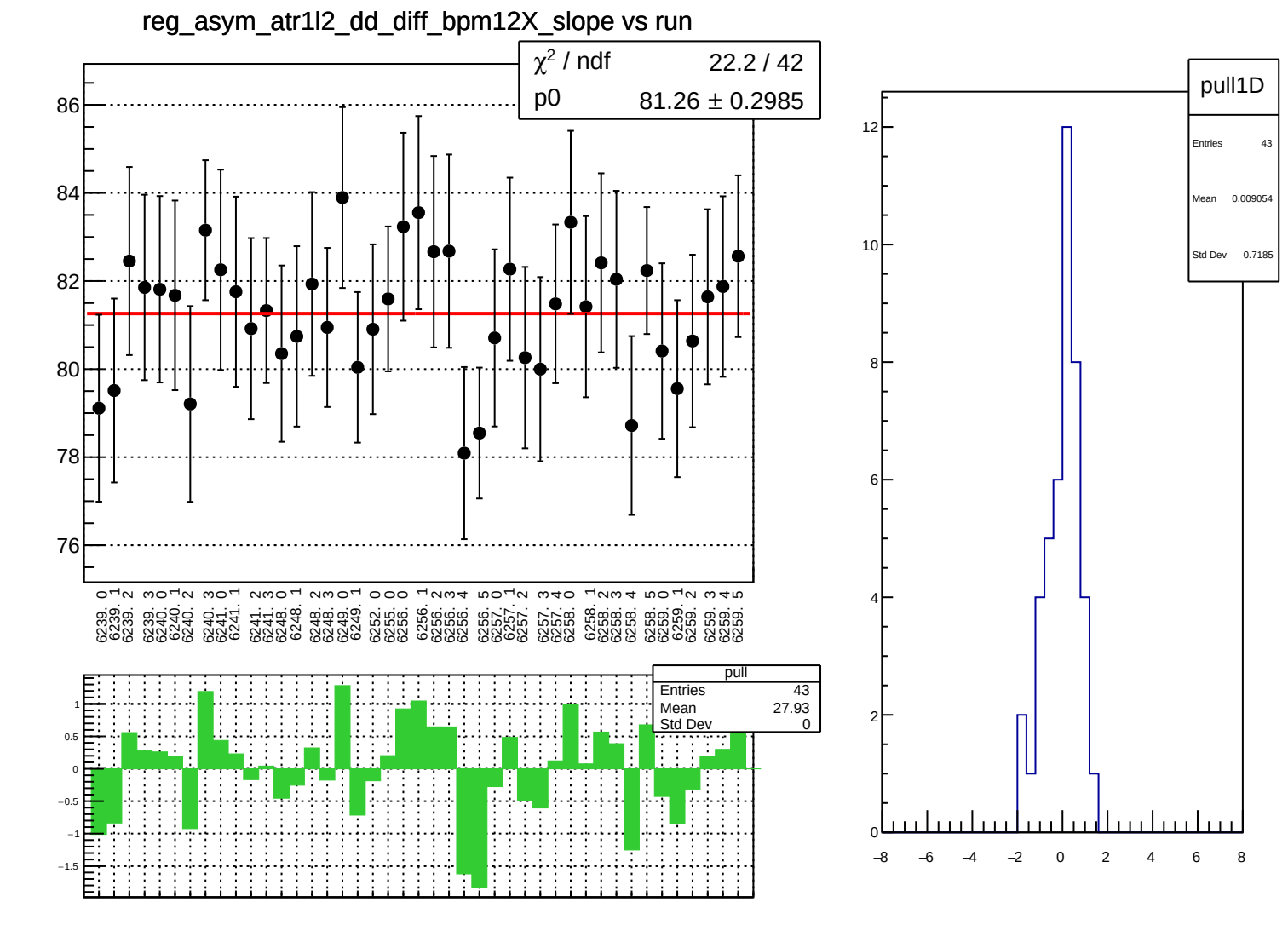

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.69 / 42
p0 22.74 ± 3.567
pull
Entries 43
Mean 79.35
Std Dev 0
pull1D
Entries 43
Mean −0.04812
Std Dev 0.6921

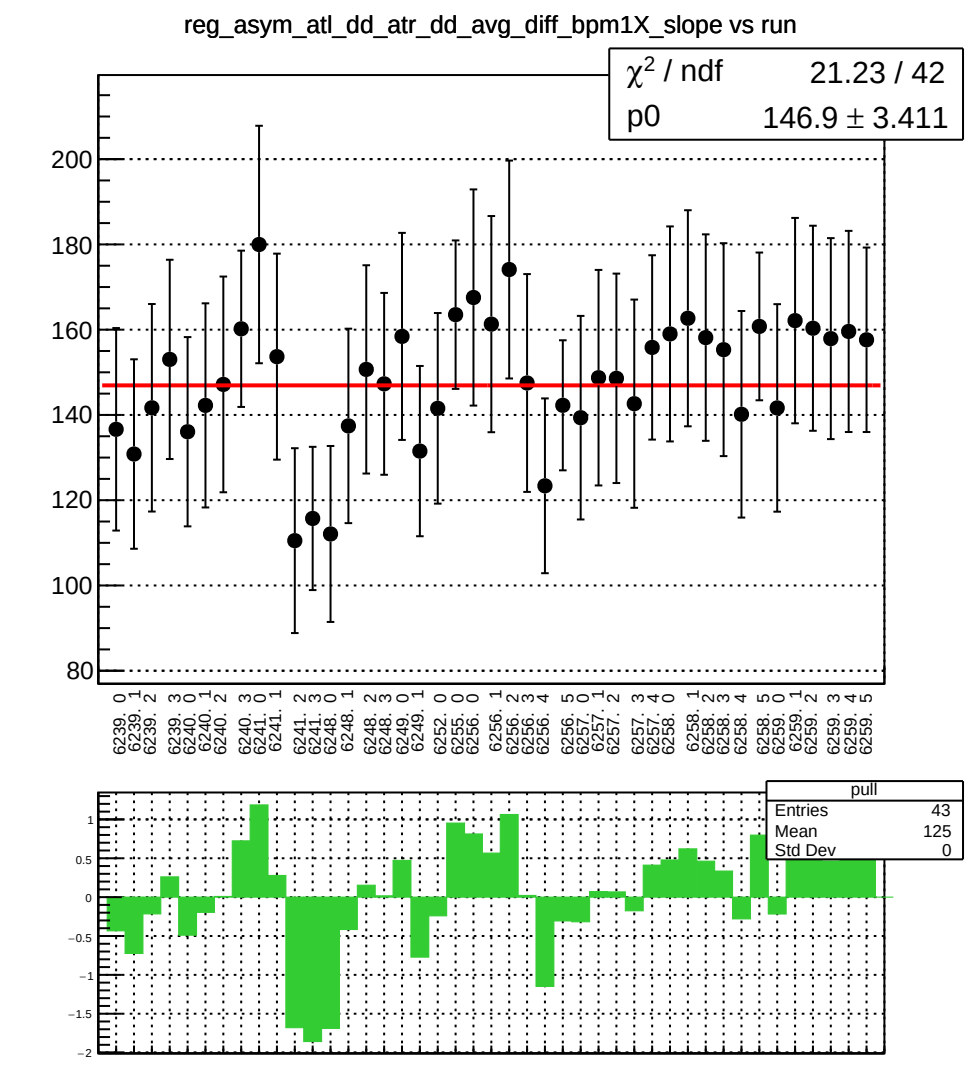

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.44 / 42
p0 −155 ± 3.566
−80
−100
−120
−140
−160
−180
−200
−220
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 298.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

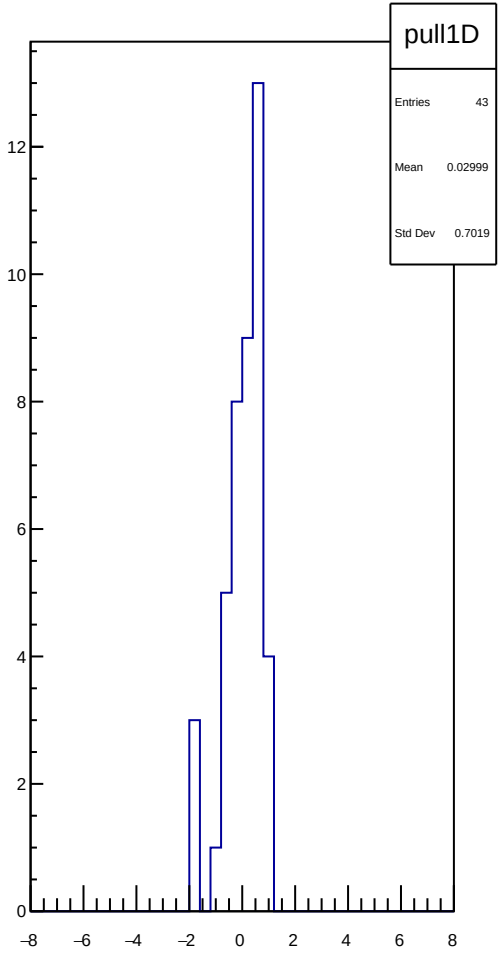

pull1D
Entries 43
Mean −0.01046
Std Dev 0.6895
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

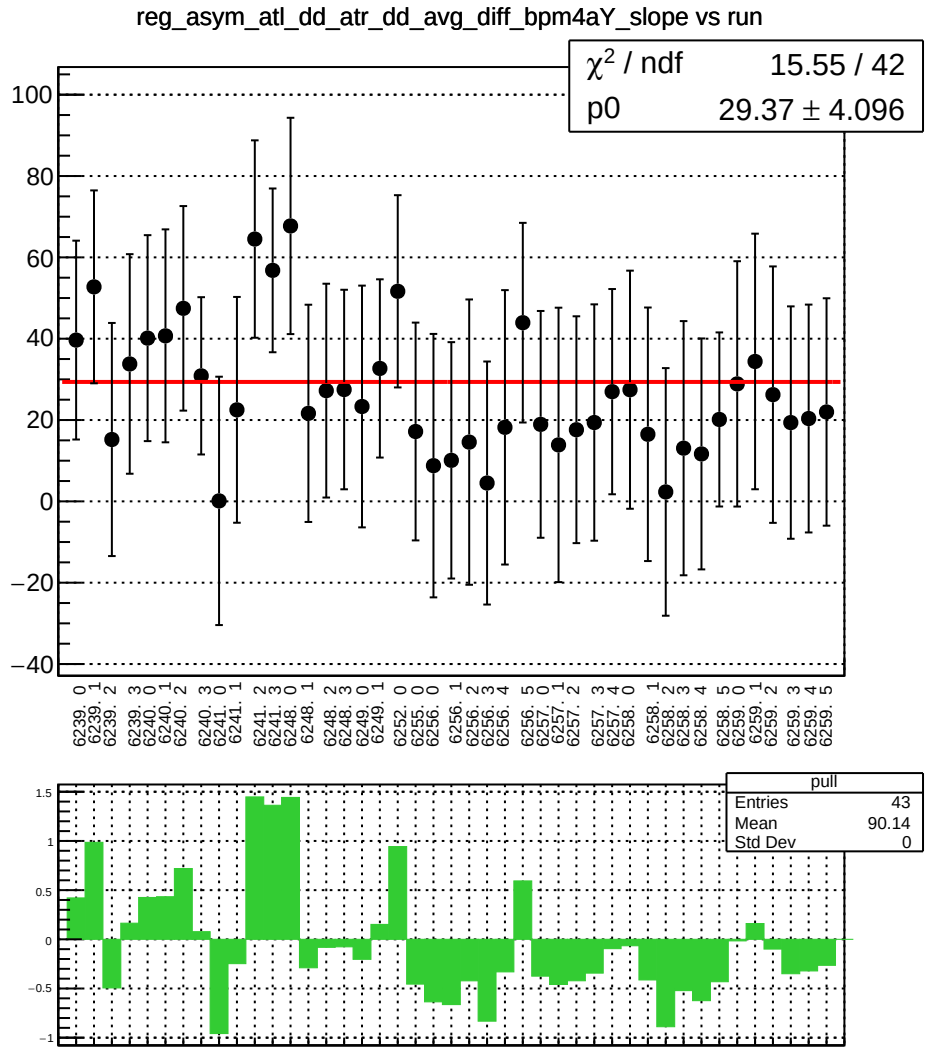

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.77 / 42
p0 −82.86 ± 3.901
−20
−40
−60
−80
−100
−120
−140
−160
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 81.03
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

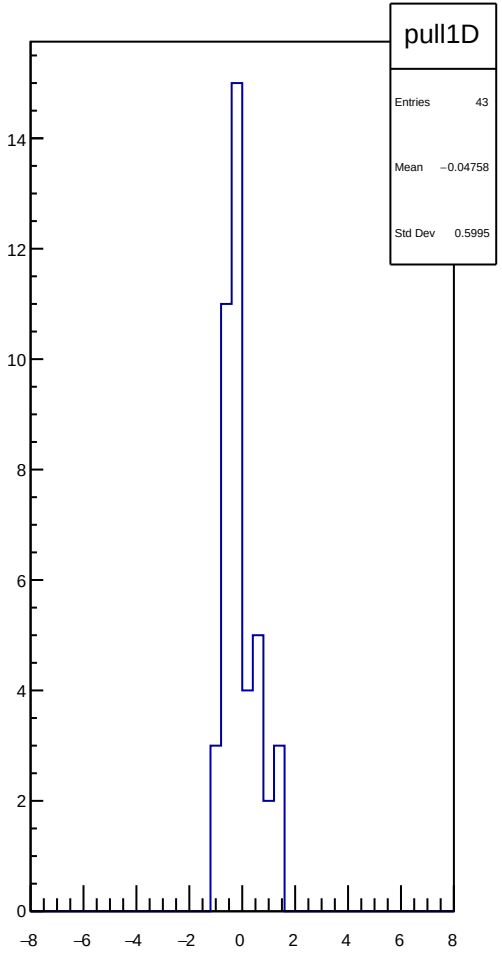

pull1D
Entries 43
Mean 0.0465
Std Dev 0.7099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

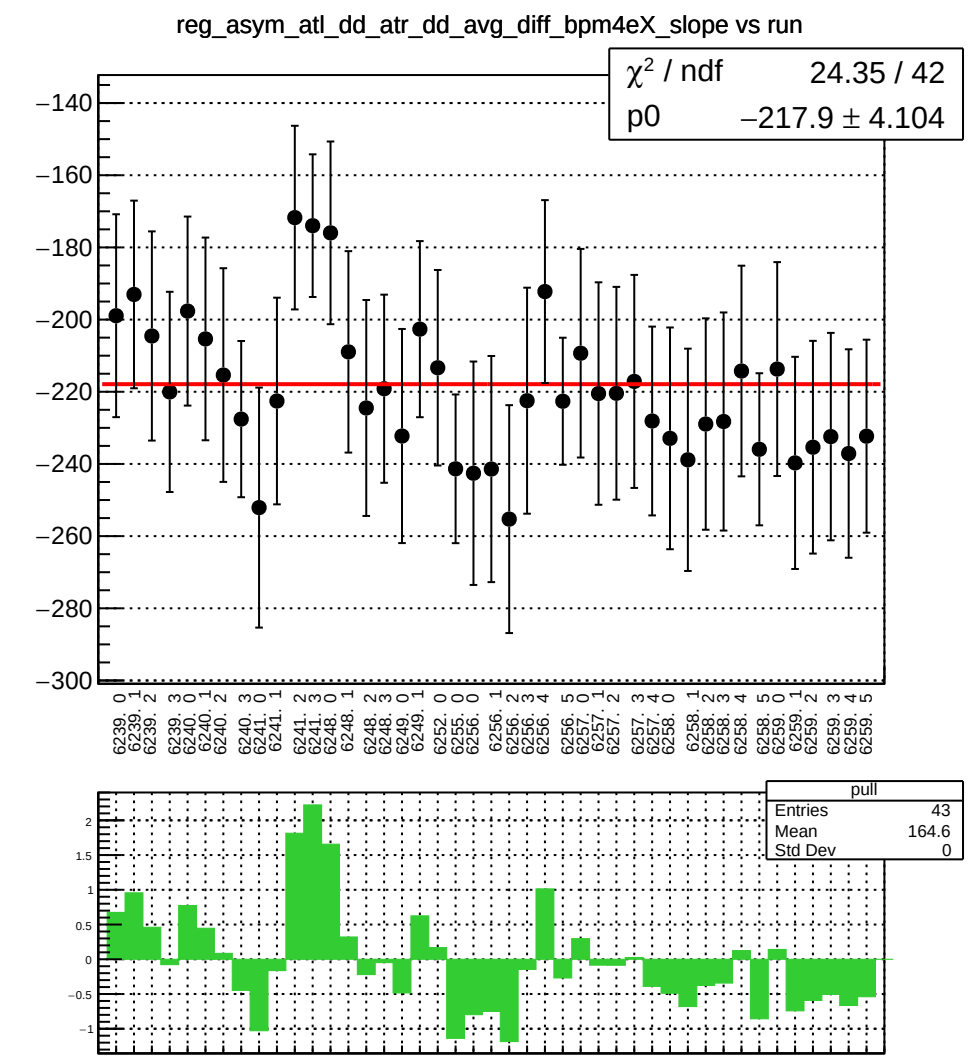

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.2 / 42
p0 81.26 ± 0.2985
86
84
82
80
78
76
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 27.93
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.009054
Std Dev 0.7185
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

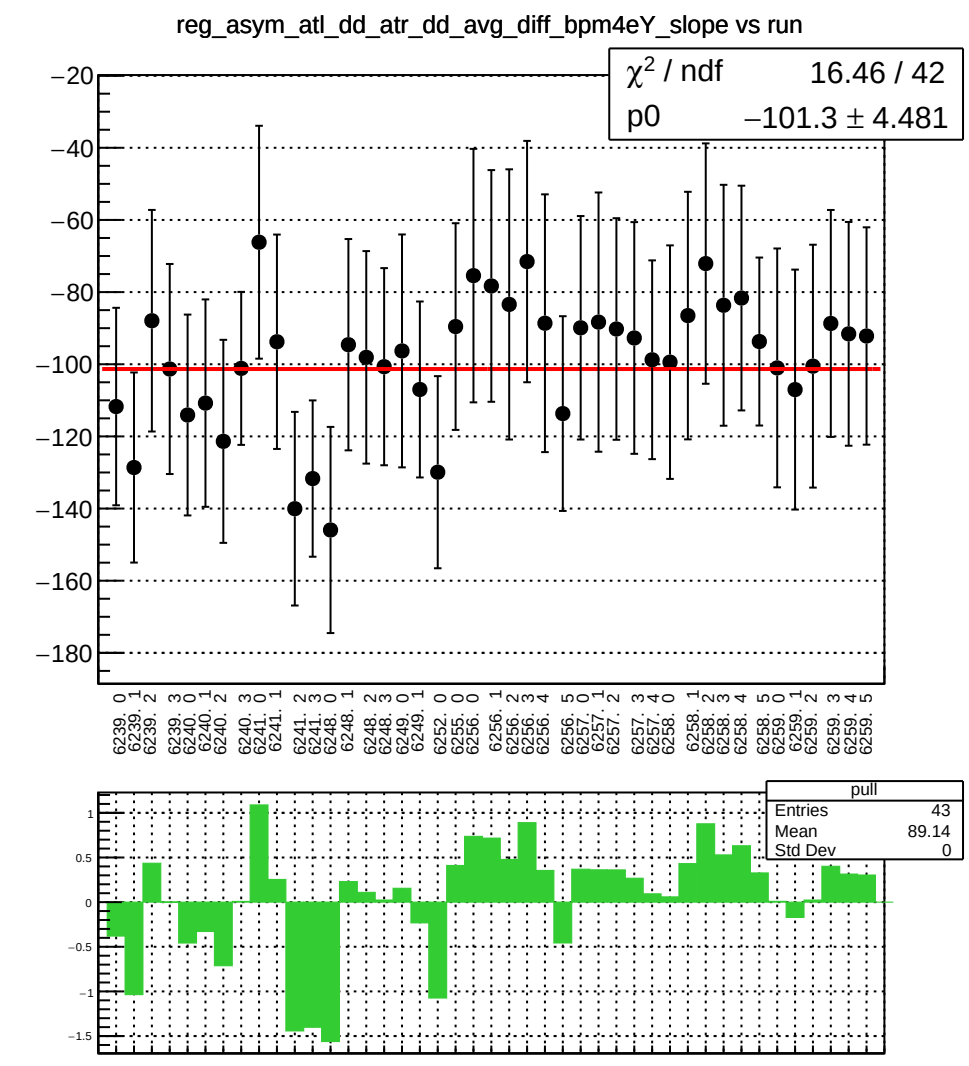

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 21.23 / 42
p0 146.9 ± 3.411
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 125
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

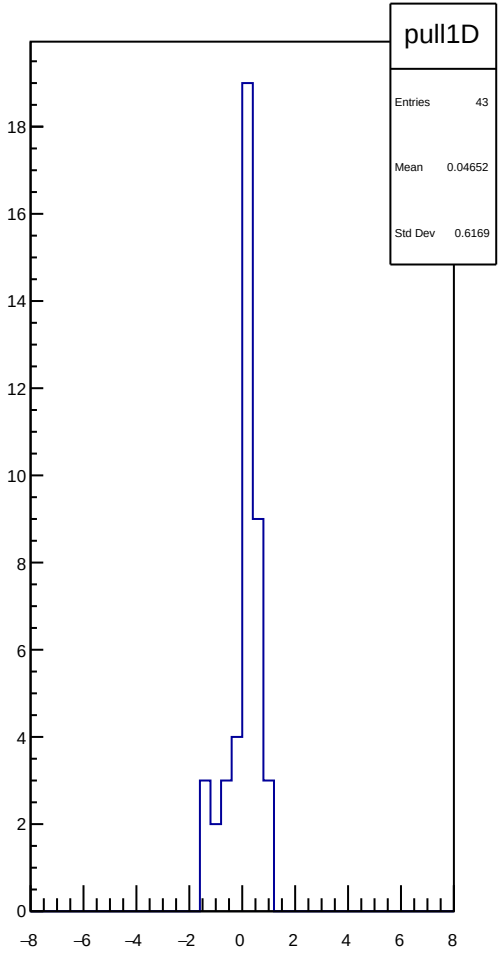

pull1D
Entries 43
Mean 0.02999
Std Dev 0.7019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

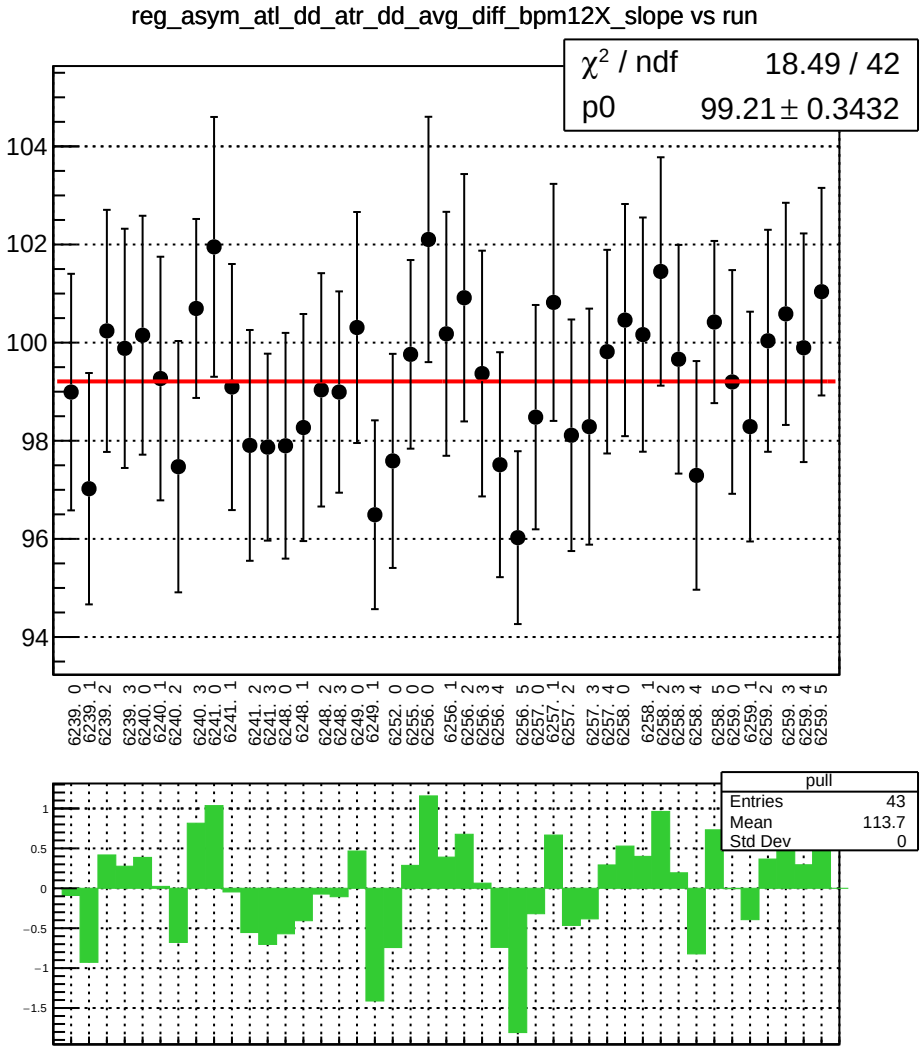

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.55 / 42
p0 29.37 ± 4.096
pull
Entries 43
Mean 90.14
Std Dev 0

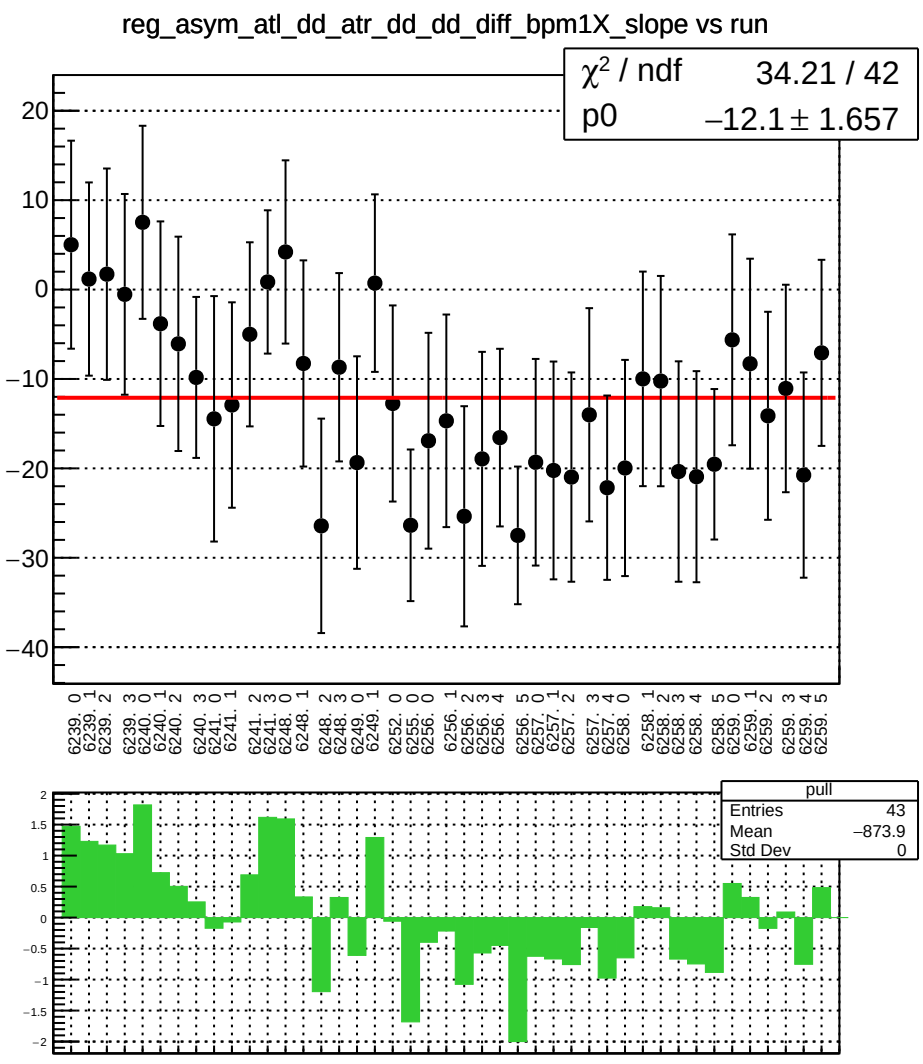

pull1D
Entries 43
Mean −0.04758
Std Dev 0.5995

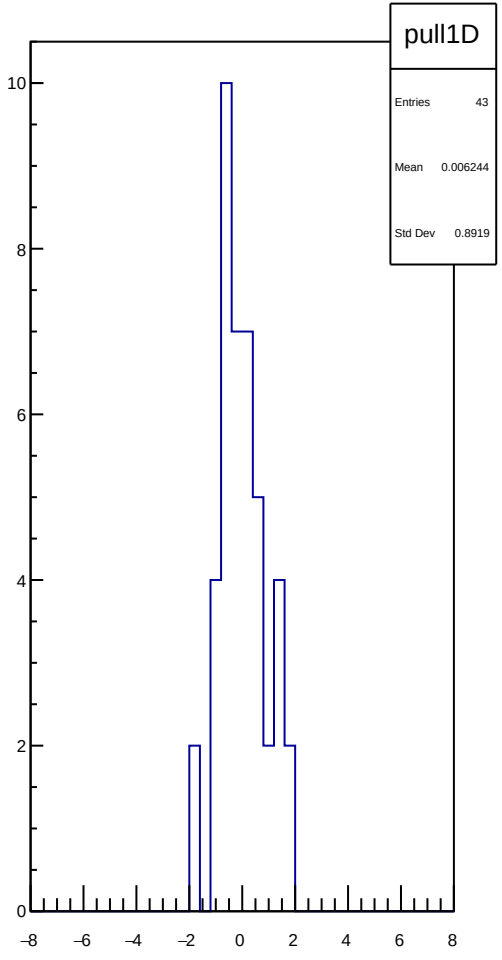

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.35 / 42
p0 −217.9 ± 4.104
−140
−160
−180
−200
−220
−240
−260
−280
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 164.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.03024
Std Dev 0.7519
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

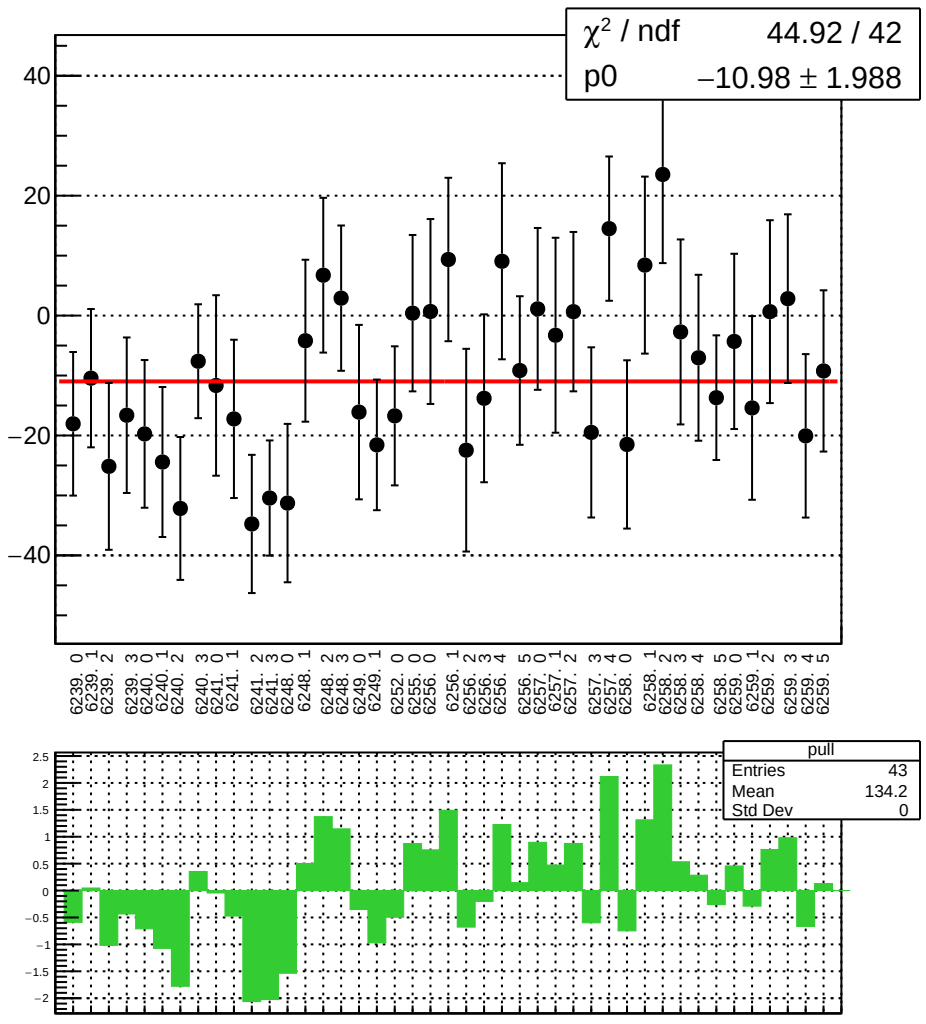

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.46 / 42
p0 −101.3 ± 4.481
pull
Entries 43
Mean 89.14
Std Dev 0

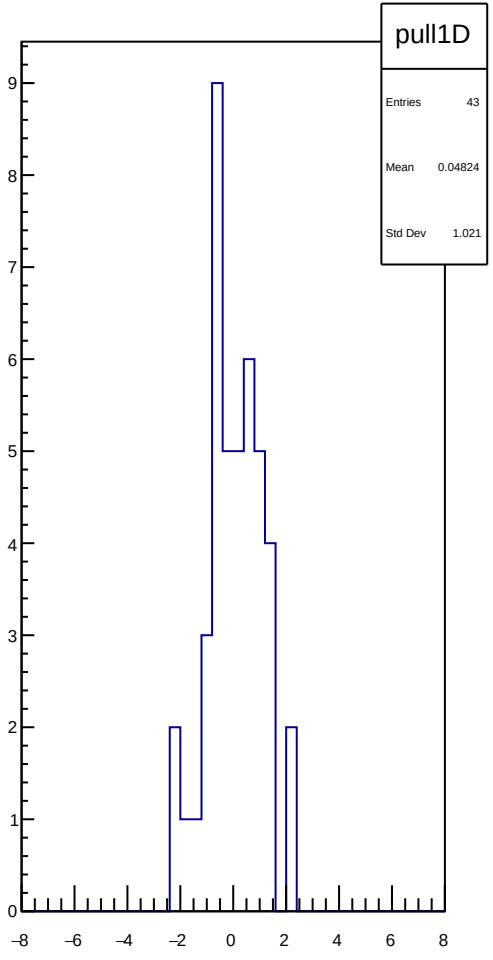

pull1D
Entries 43
Mean 0.04652
Std Dev 0.6169

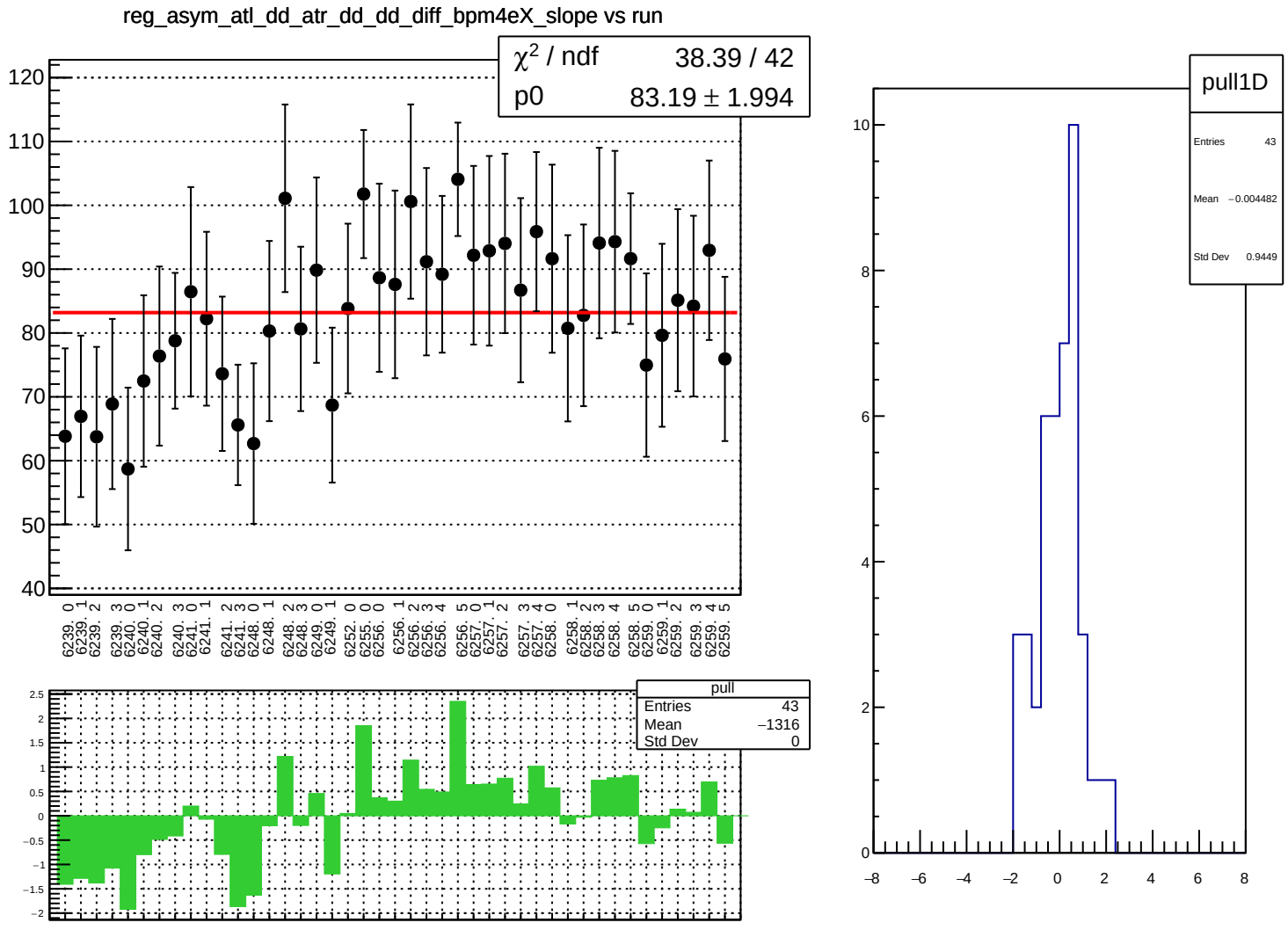

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 18.49 / 42
p0 99.21 ± 0.3432
104
102
100
98
96
94
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01555
Std Dev 0.6556
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

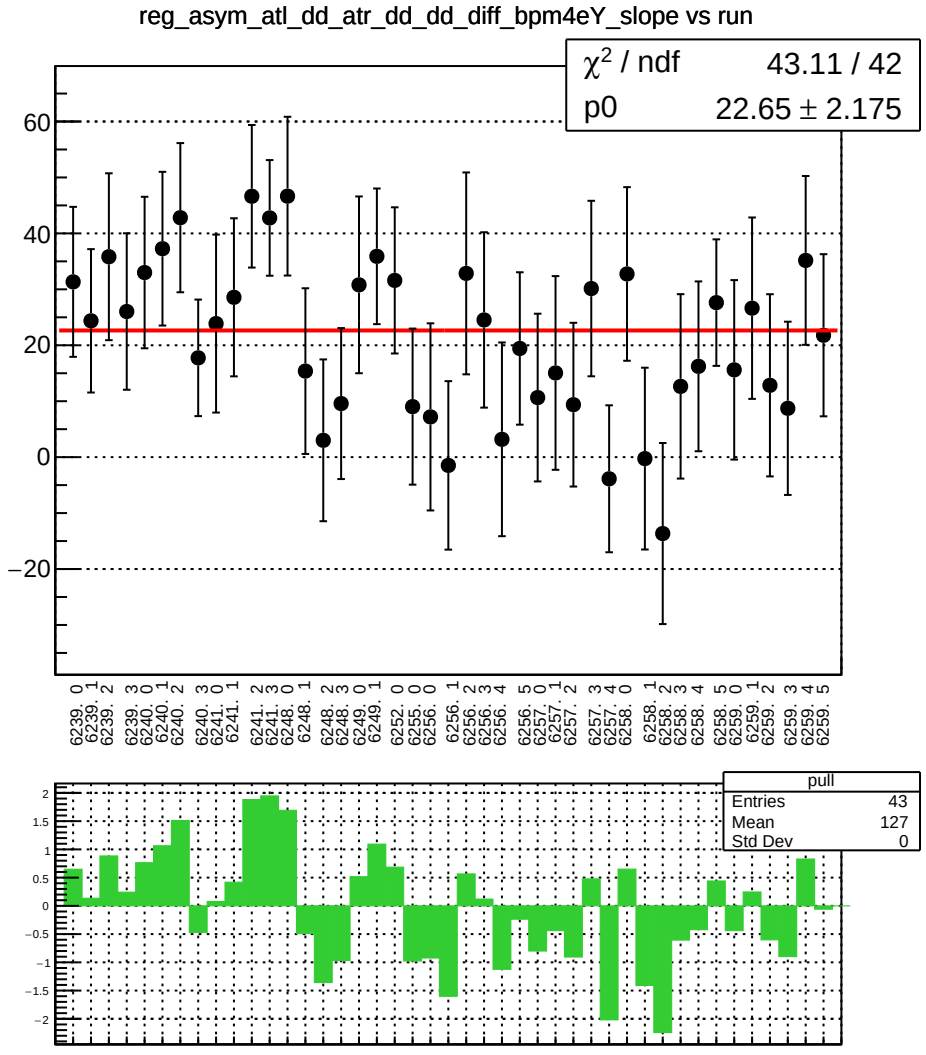

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 34.21 / 42
p0 −12.1 ± 1.657
pull
Entries 43
Mean −873.9
Std Dev 0

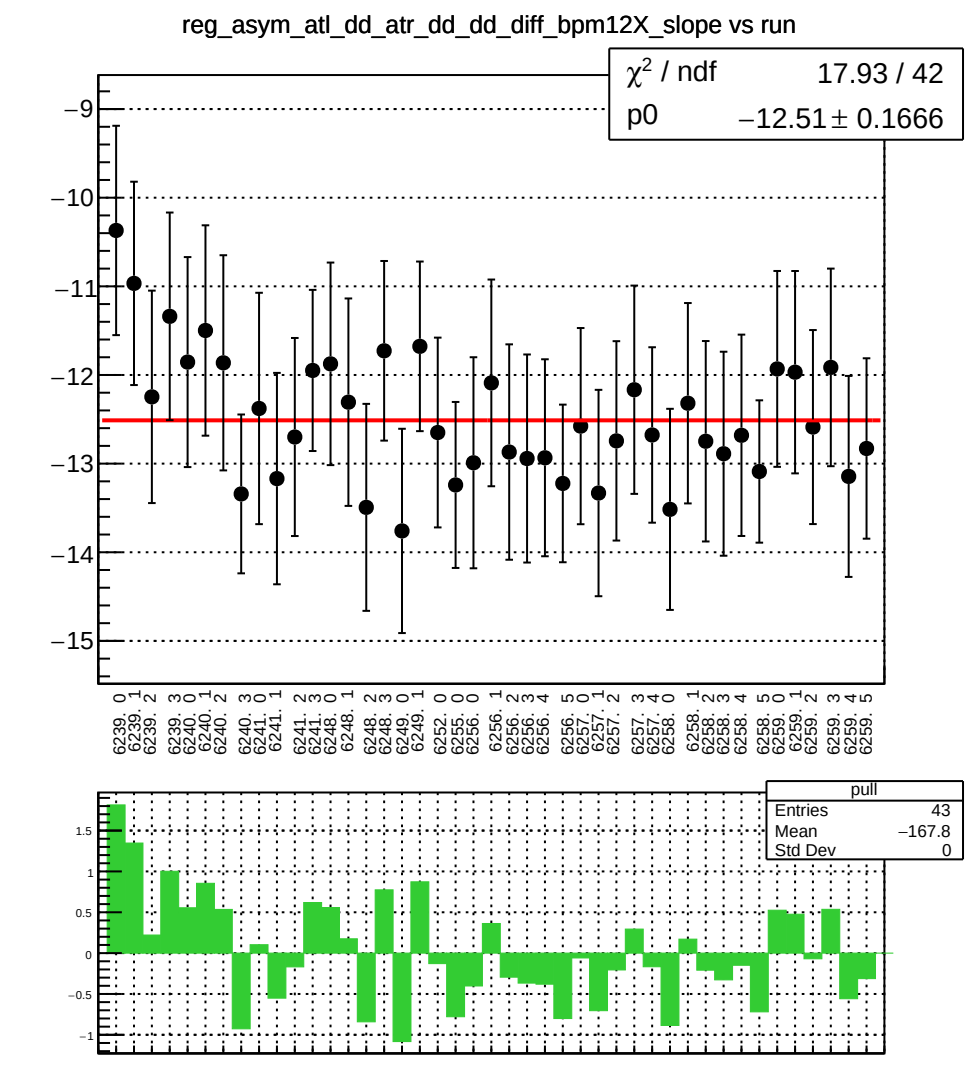

pull1D
Entries 43
Mean 0.006244
Std Dev 0.8919

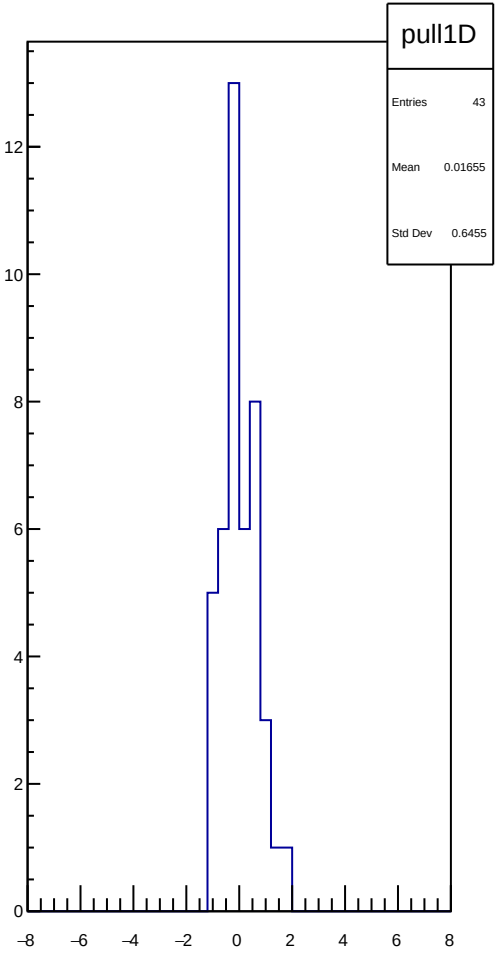

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.92 / 42
p0 −10.98 ± 1.988
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 134.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

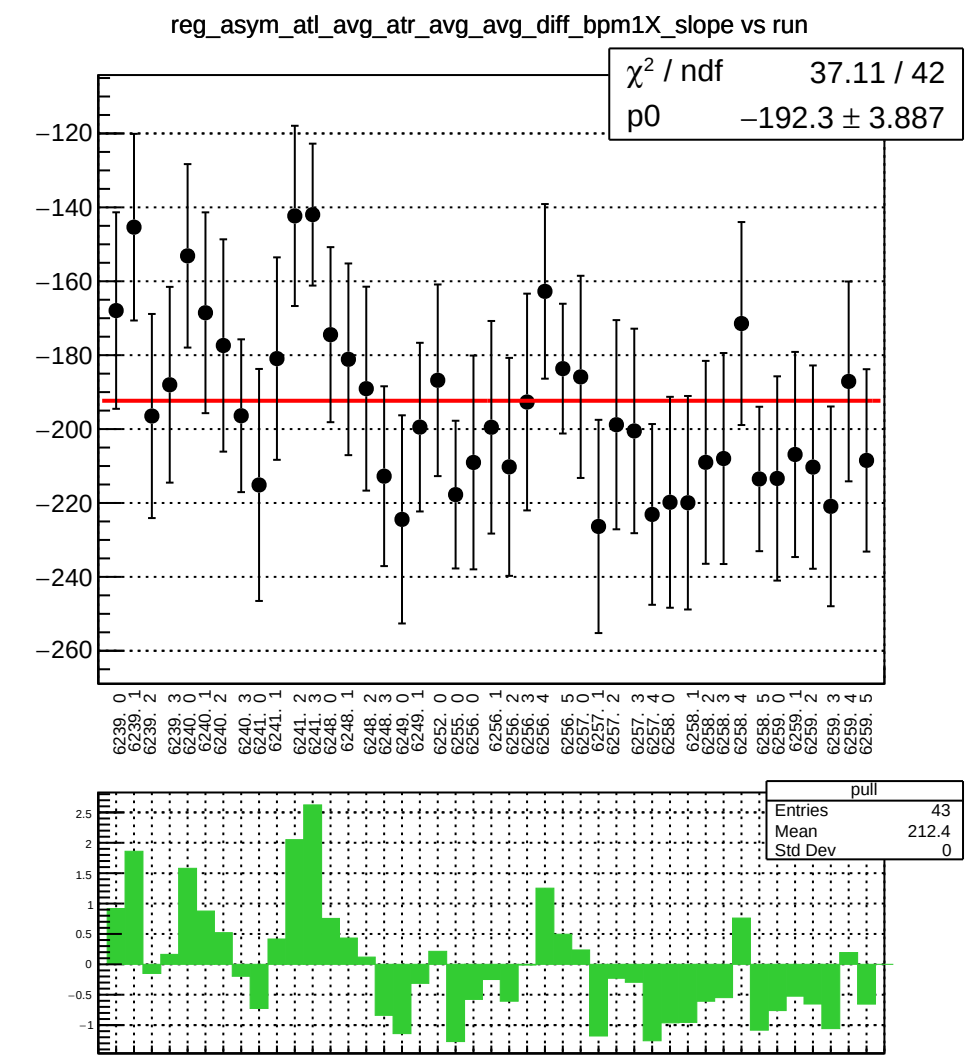

pull1D
Entries 43
Mean 0.04824
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

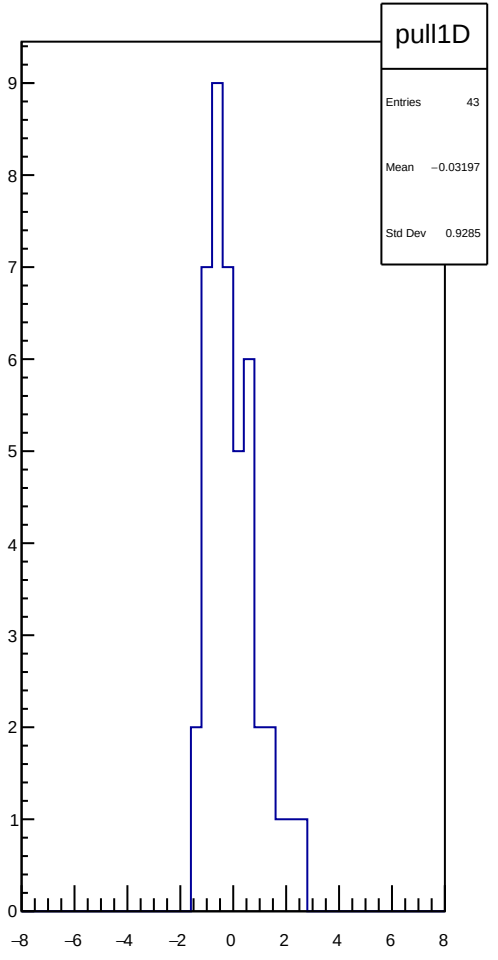

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.39 / 42
p0 83.19 ± 1.994
120
110
100
90
80
70
60
50
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −1316
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.004482
Std Dev 0.9449
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

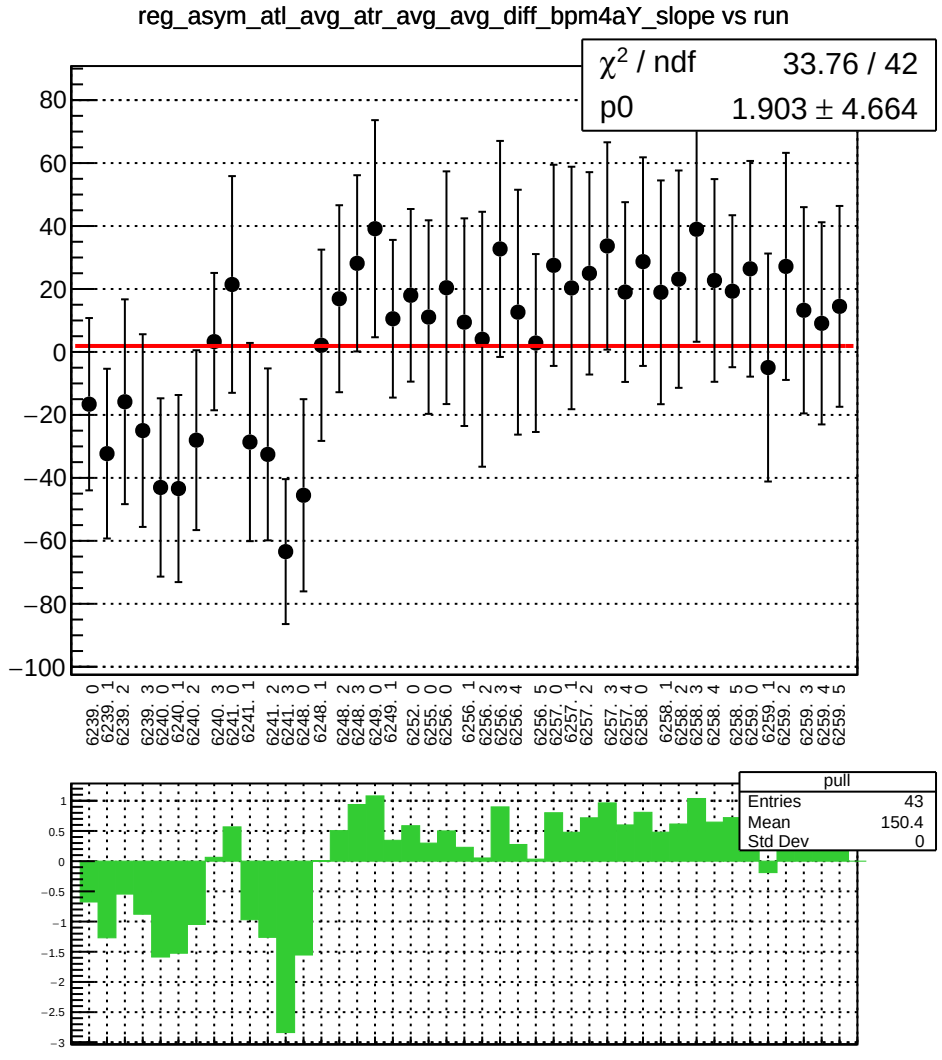

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.11 / 42
p0 22.65 ± 2.175
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 127
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04879
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

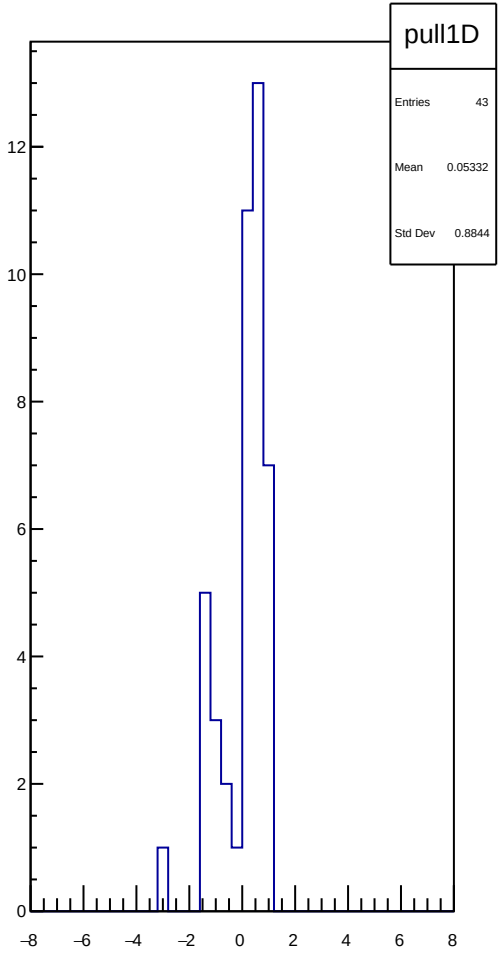

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 17.93 / 42
p0 −12.51 ± 0.1666
pull
Entries 43
Mean −167.8
Std Dev 0

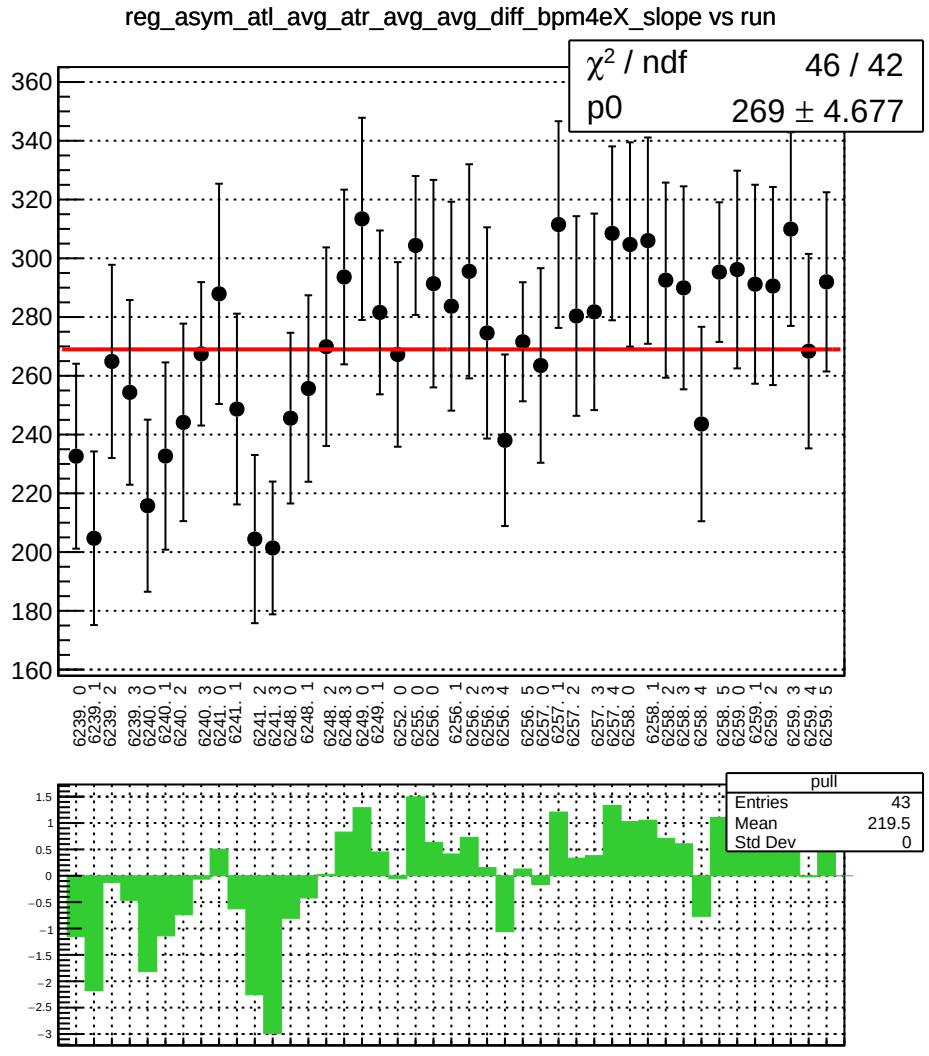

pull1D
Entries 43
Mean 0.01655
Std Dev 0.6455

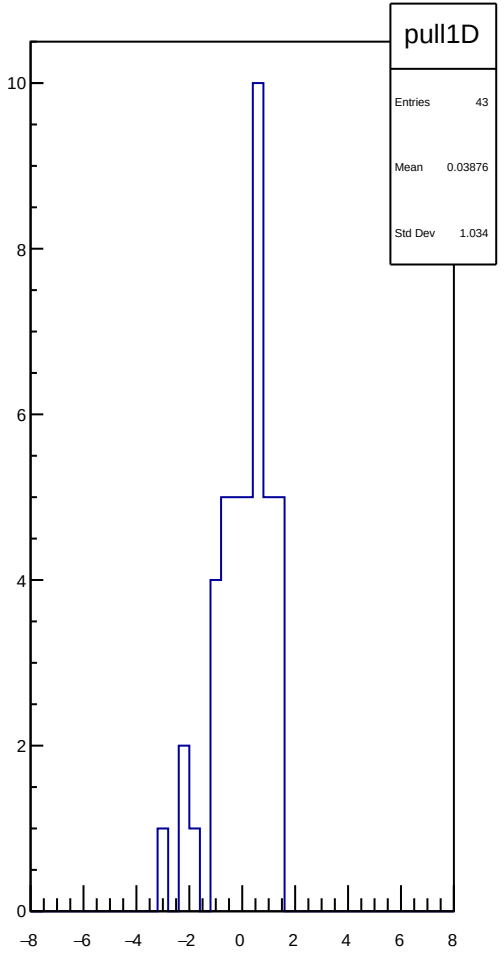

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 37.11 / 42
p0 −192.3 ± 3.887
pull
Entries 43
Mean 212.4
Std Dev 0

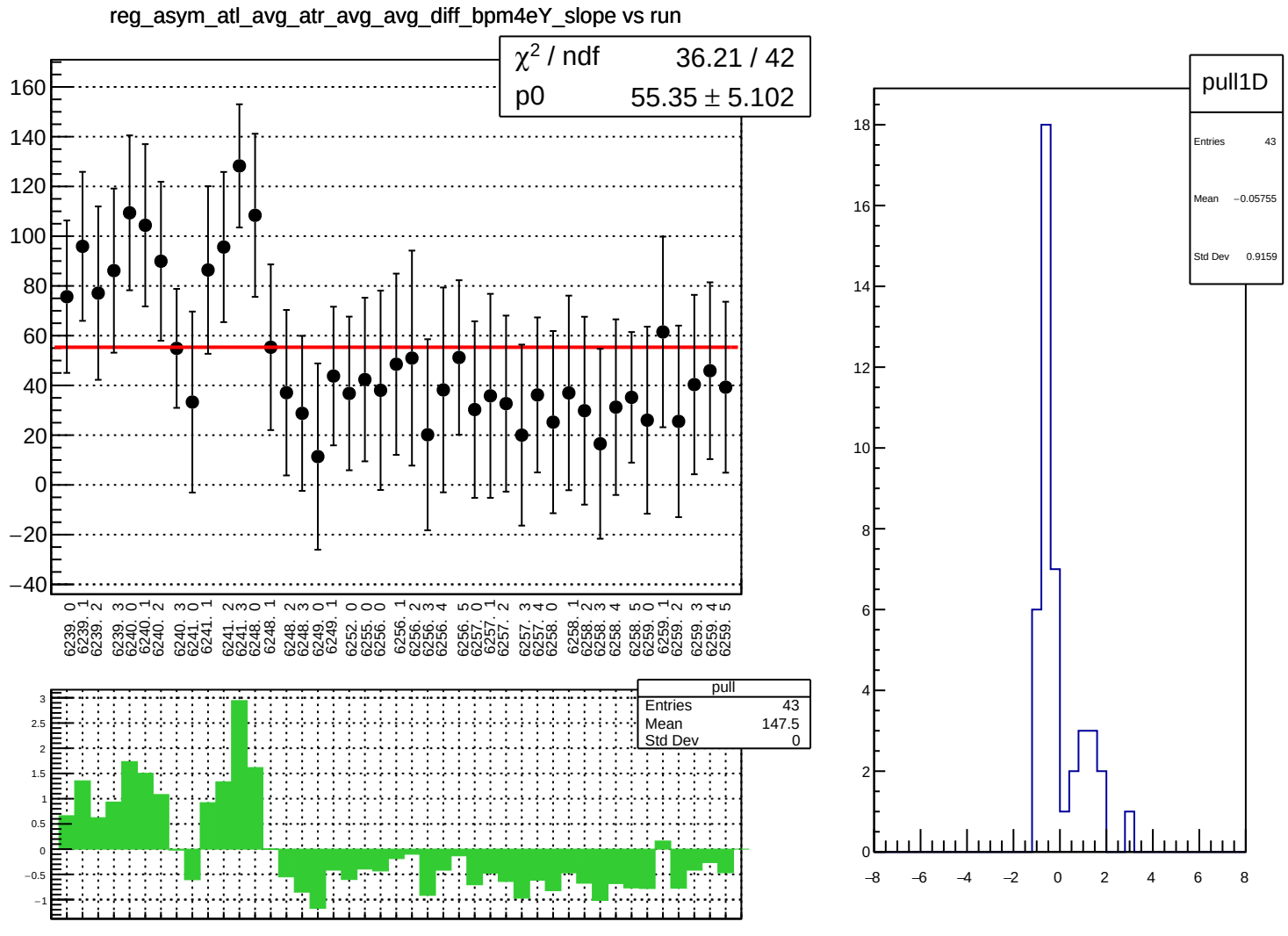

pull1D
Entries 43
Mean −0.03197
Std Dev 0.9285

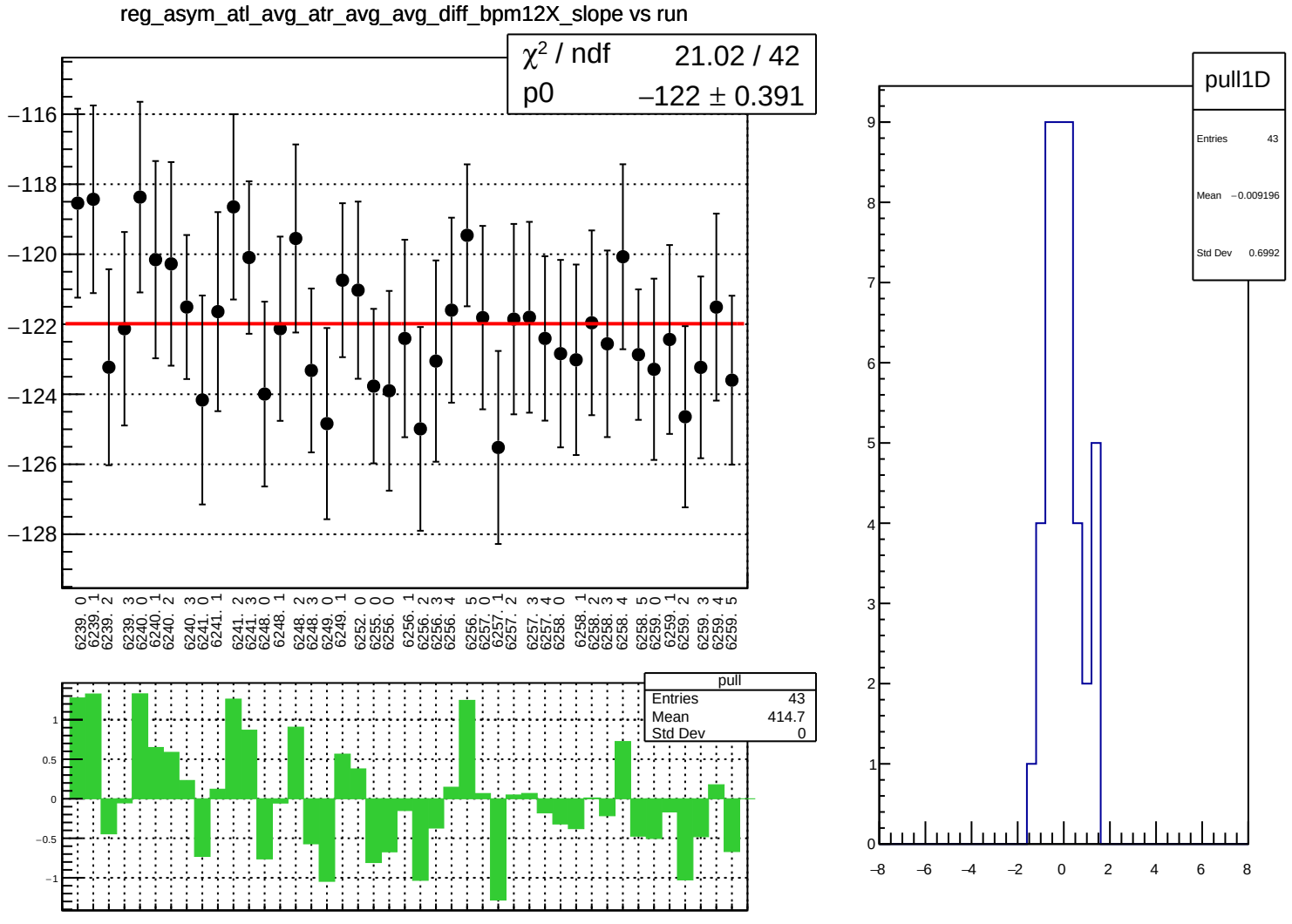

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.76 / 42
p0 1.903 ± 4.664
pull
Entries 43
Mean 150.4
Std Dev 0

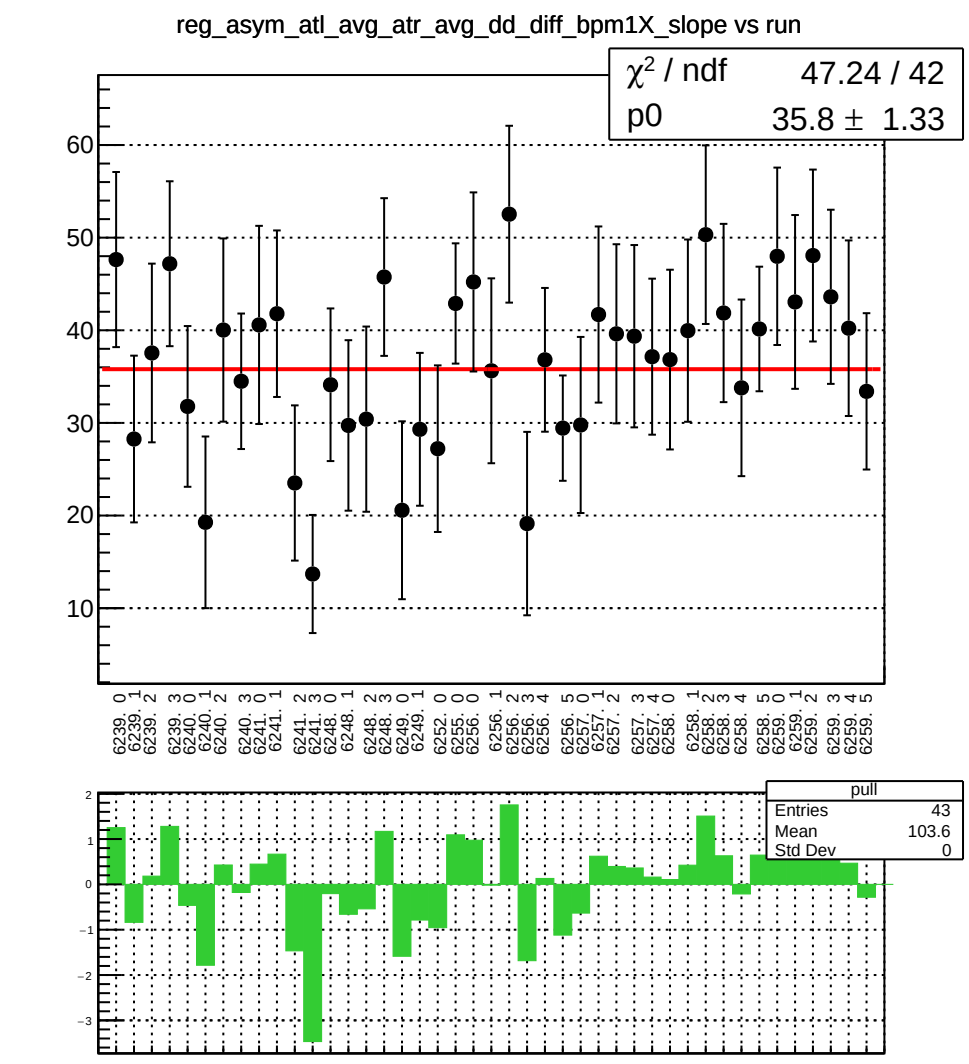

pull1D
Entries 43
Mean 0.05332
Std Dev 0.8844

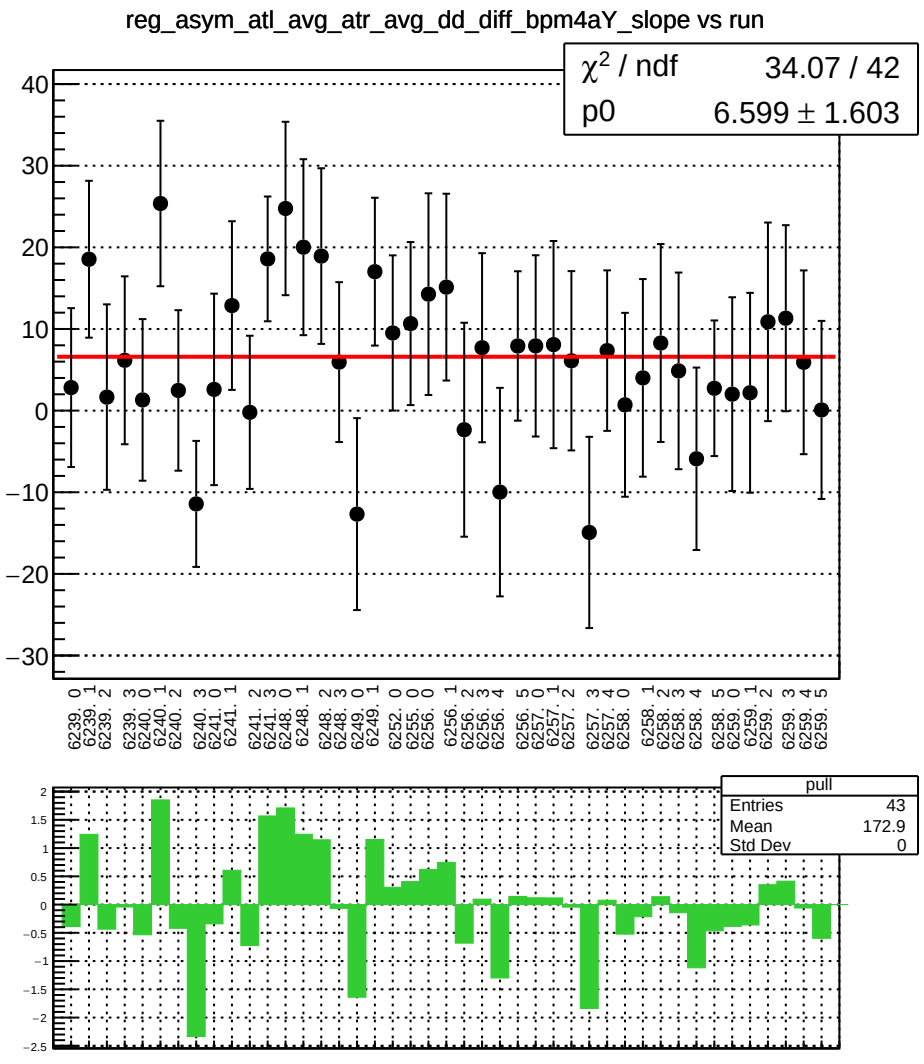

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 46 / 42
p0 269 ± 4.677
pull
Entries 43
Mean 219.5
Std Dev 0

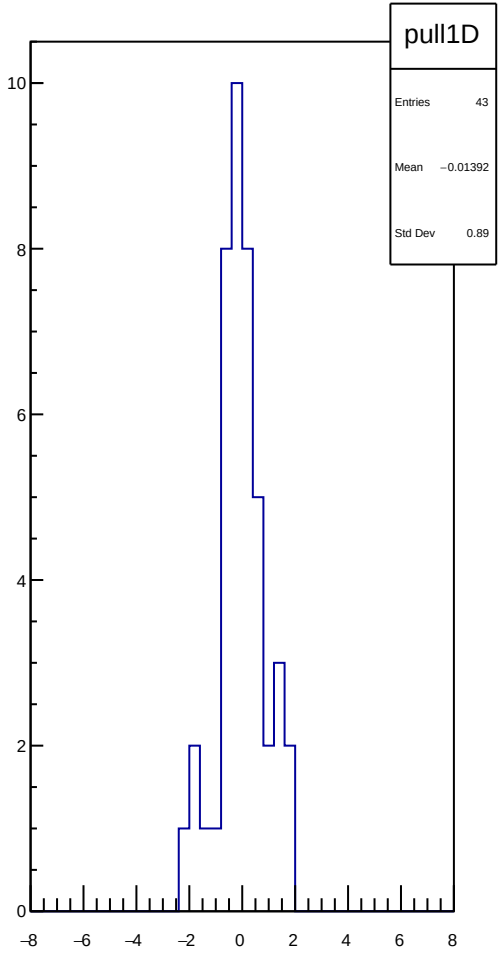

pull1D
Entries 43
Mean 0.03876
Std Dev 1.034

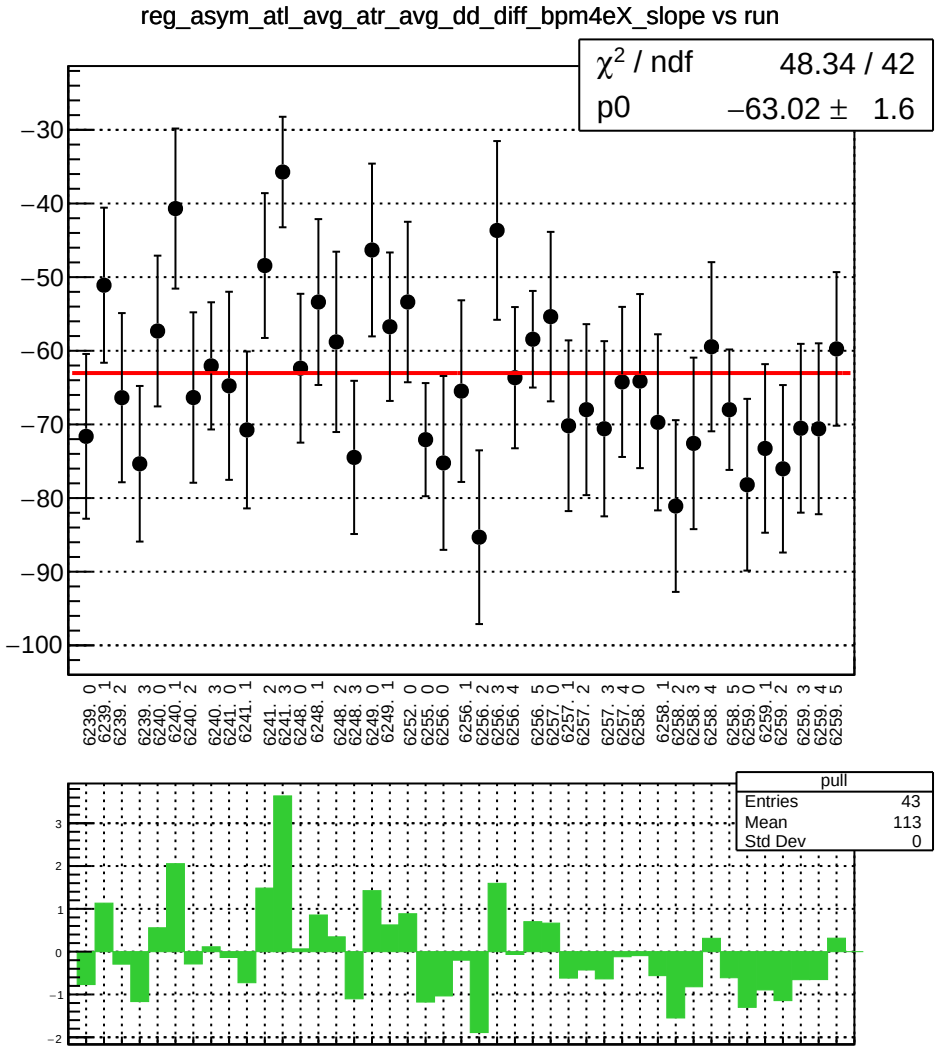

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.21 / 42
p0 55.35 ± 5.102
160
140
120
100
80
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 147.5
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.05755
Std Dev 0.9159
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

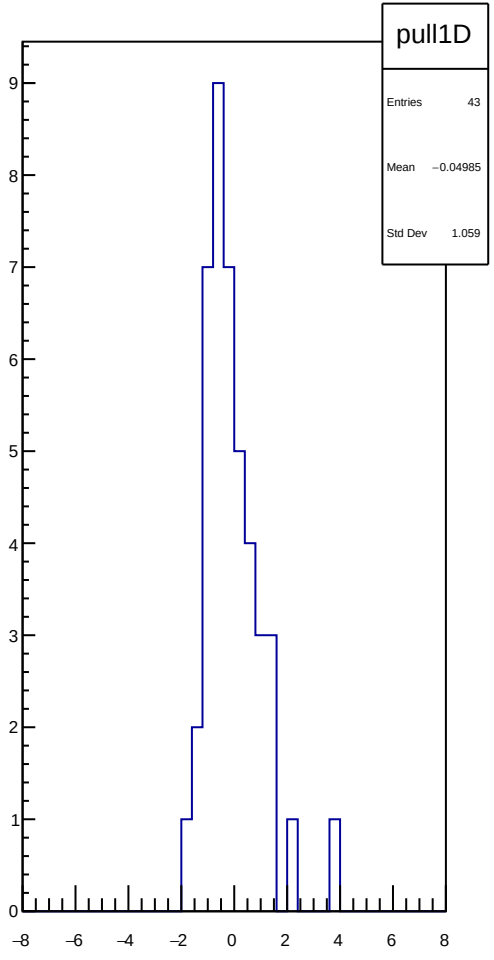

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 21.02 / 42
p0 −122 ± 0.391
−116
−118
−120
−122
−124
−126
−128
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 414.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.009196
Std Dev 0.6992
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

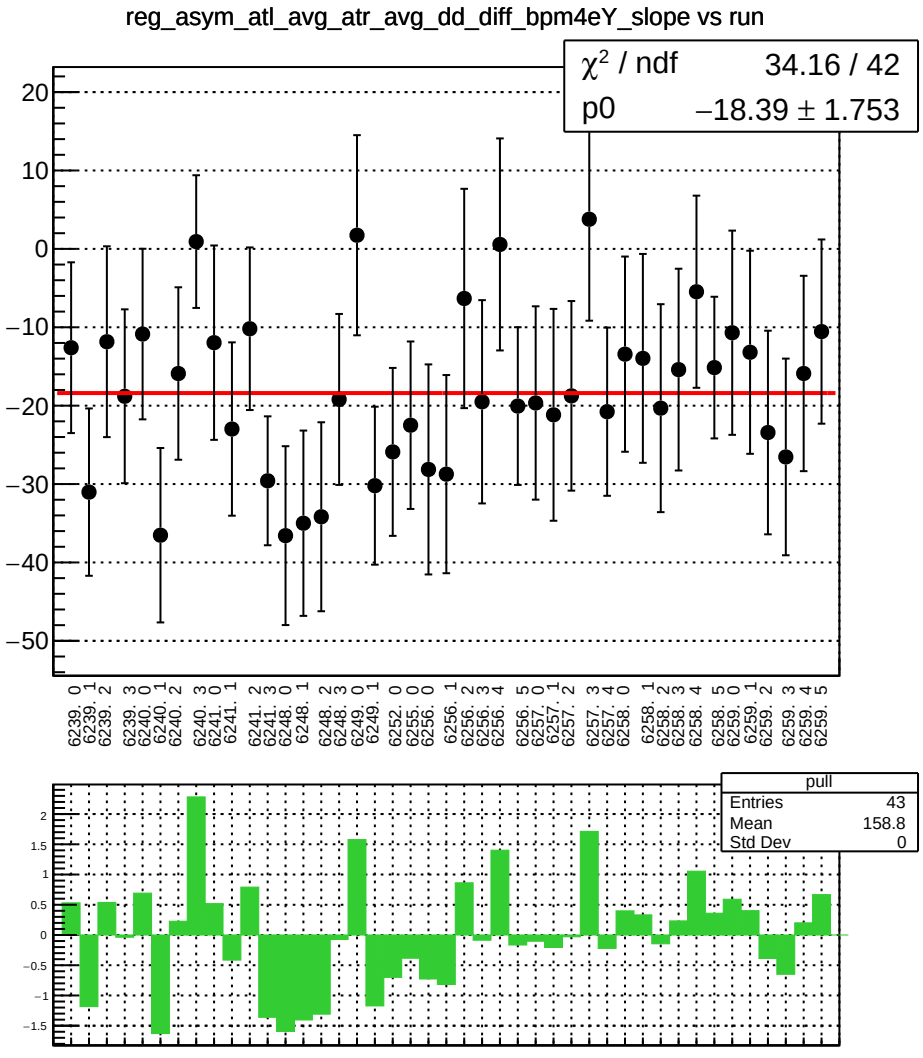

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 47.24 / 42
p0 35.8 ± 1.33
60
50
40
30
20
10
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 103.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04686
Std Dev 1.047
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

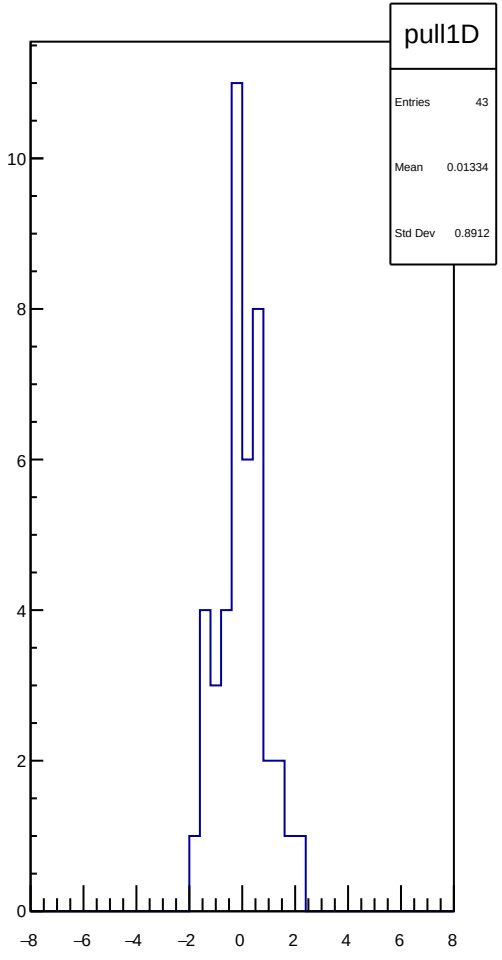

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.07 / 42
p0 6.599 ± 1.603
pull
Entries 43
Mean 172.9
Std Dev 0

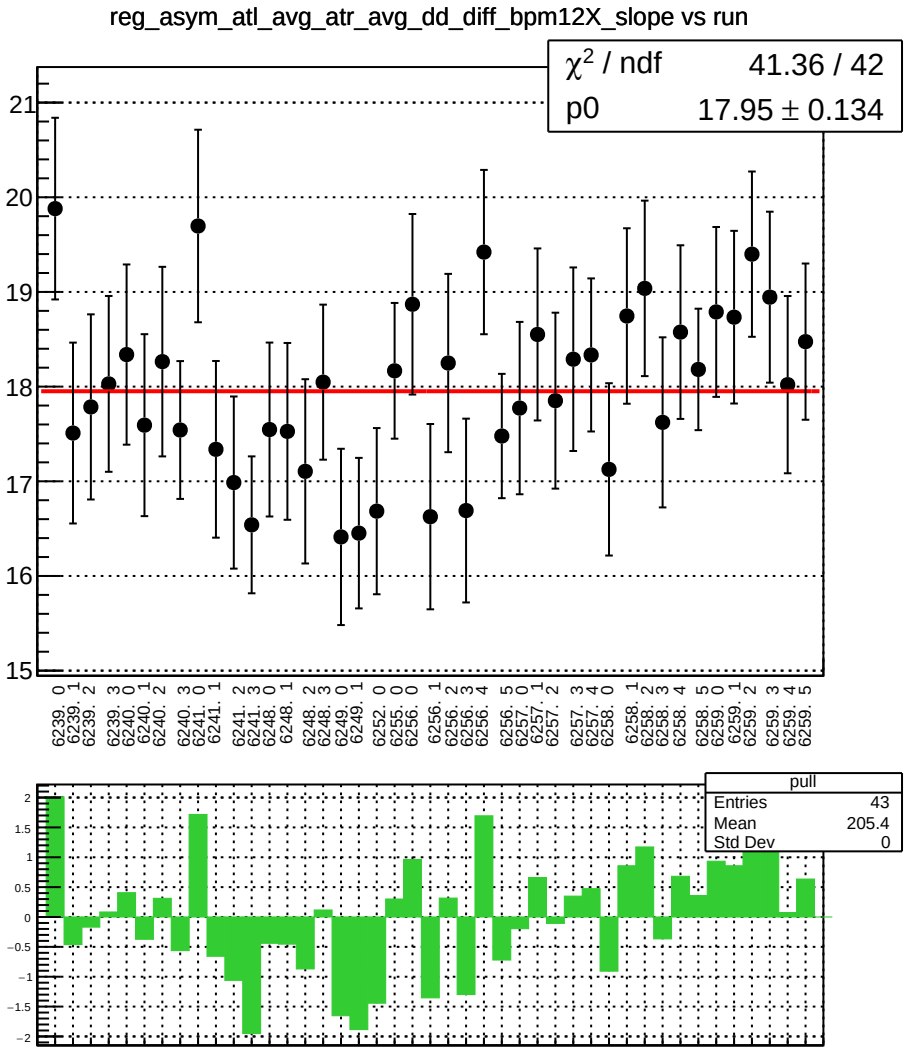

pull1D
Entries 43
Mean −0.01392
Std Dev 0.89

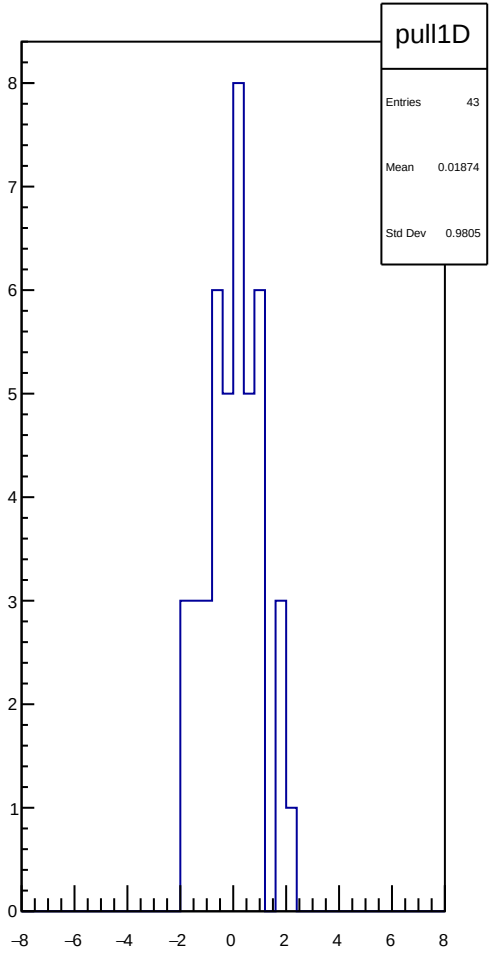

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.34 / 42
p0 −63.02 ± 1.6
pull
Entries 43
Mean 113
Std Dev 0

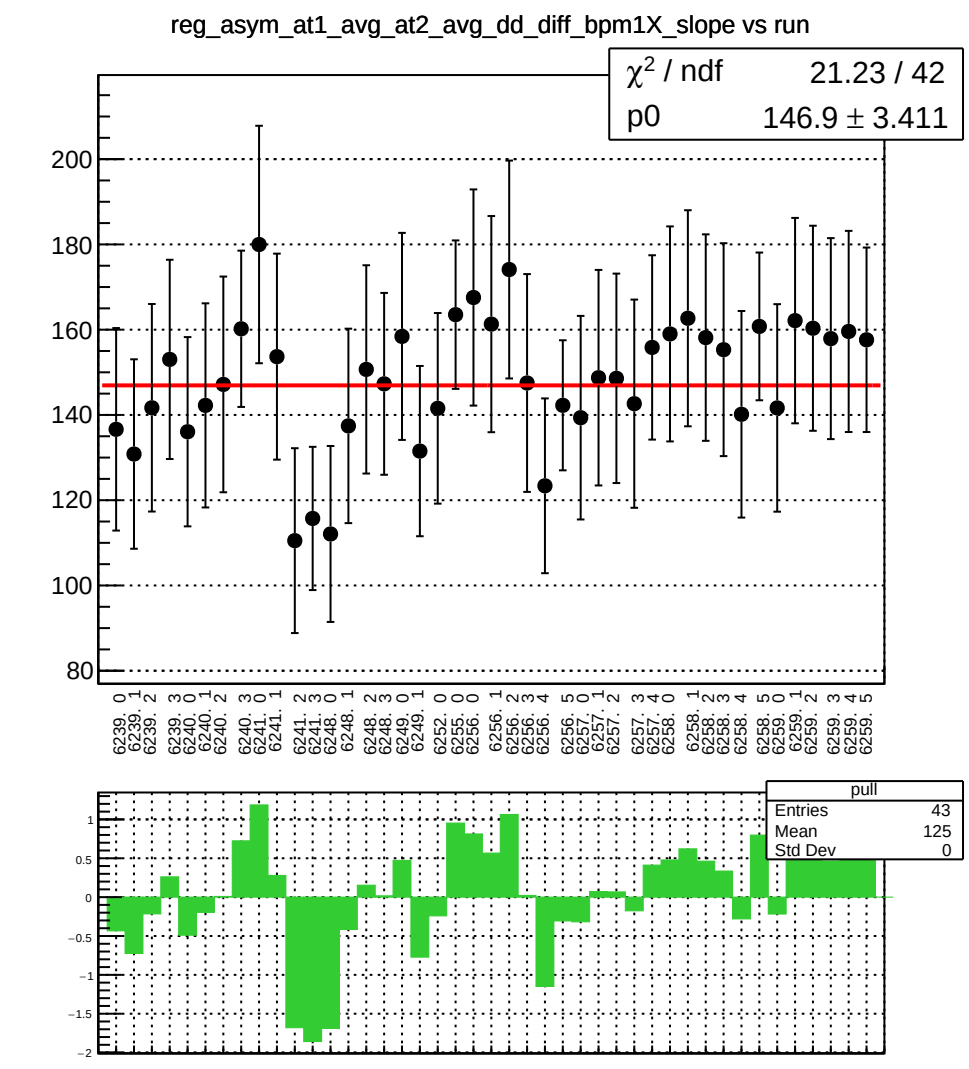

pull1D
Entries 43
Mean −0.04985
Std Dev 1.059

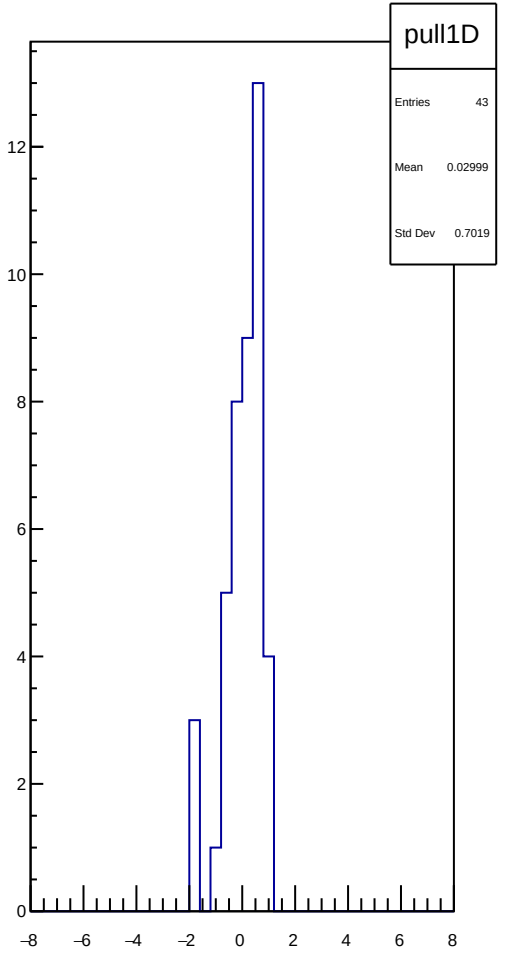

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.16 / 42
p0 −18.39 ± 1.753
pull
Entries 43
Mean 158.8
Std Dev 0

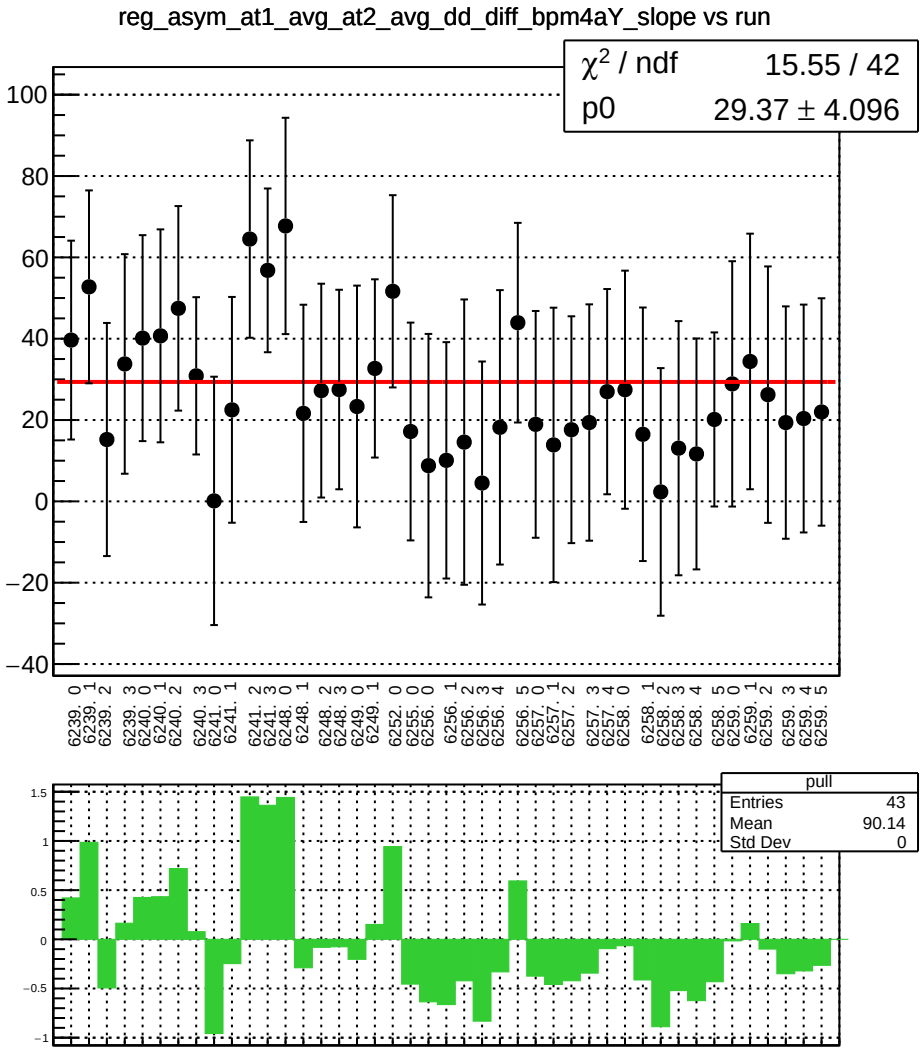

pull1D
Entries 43
Mean 0.01334
Std Dev 0.8912

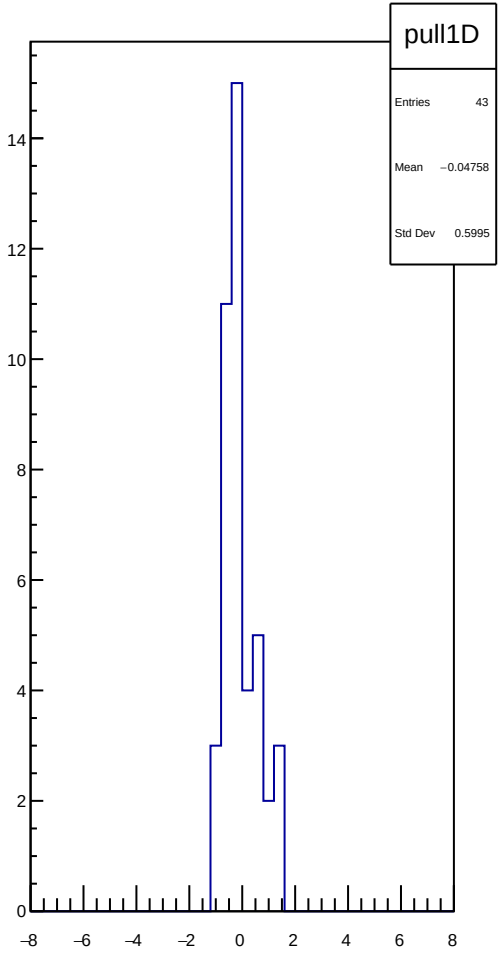

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 41.36 / 42
p0 17.95 ± 0.134
pull
Entries 43
Mean 205.4
Std Dev 0

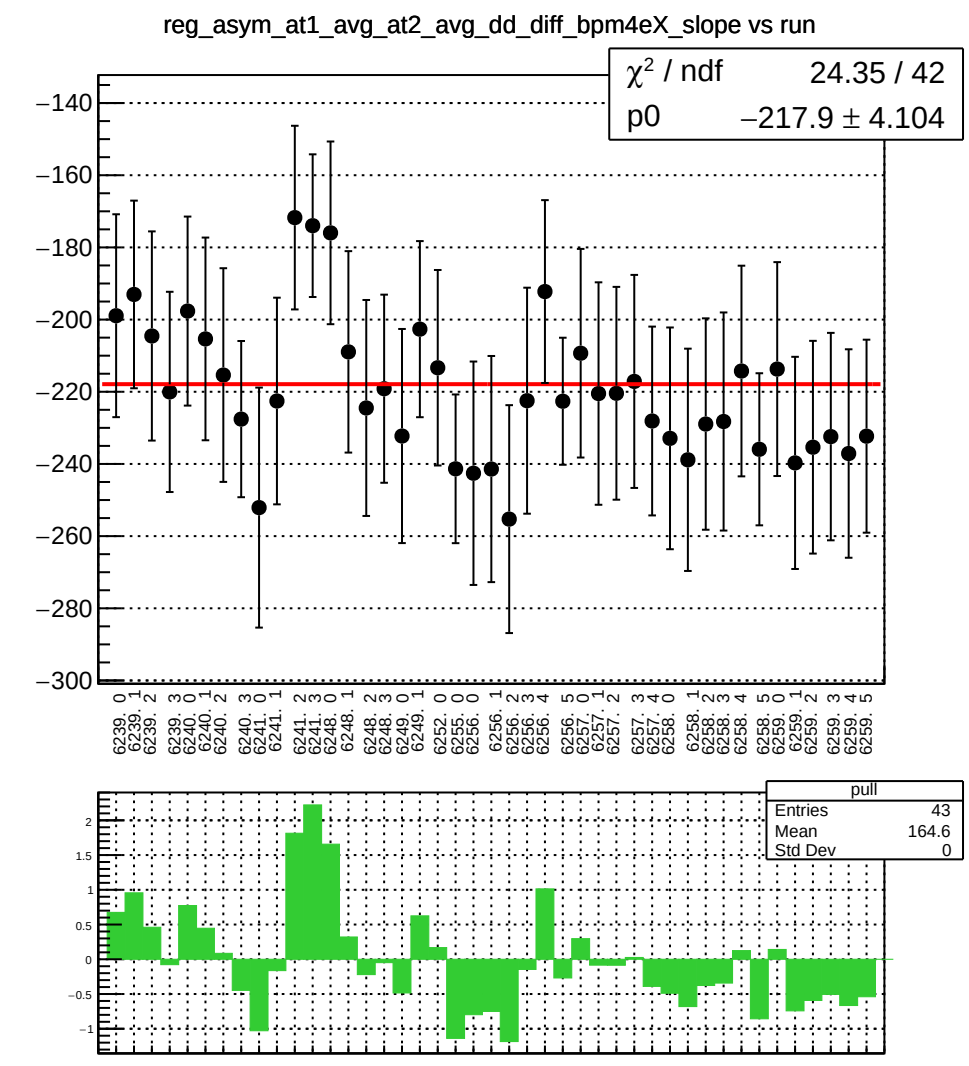

pull1D
Entries 43
Mean 0.01874
Std Dev 0.9805

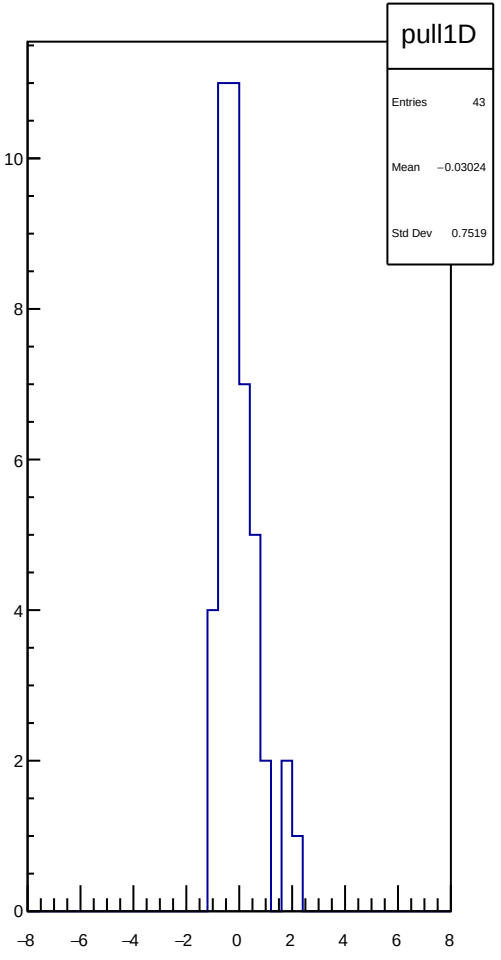

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 21.23 / 42
p0 146.9 ± 3.411
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 125
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

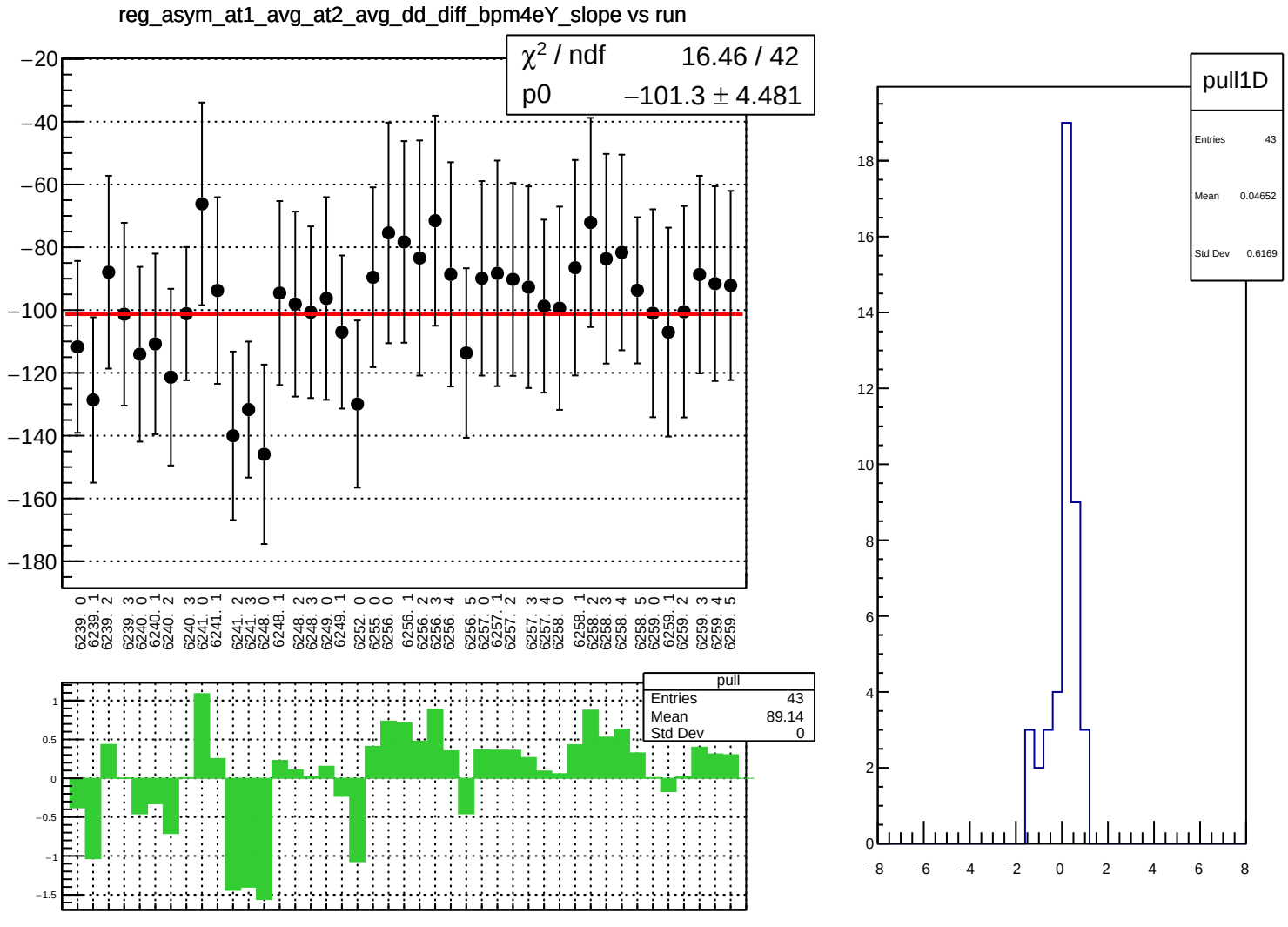

pull1D
Entries 43
Mean 0.02999
Std Dev 0.7019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

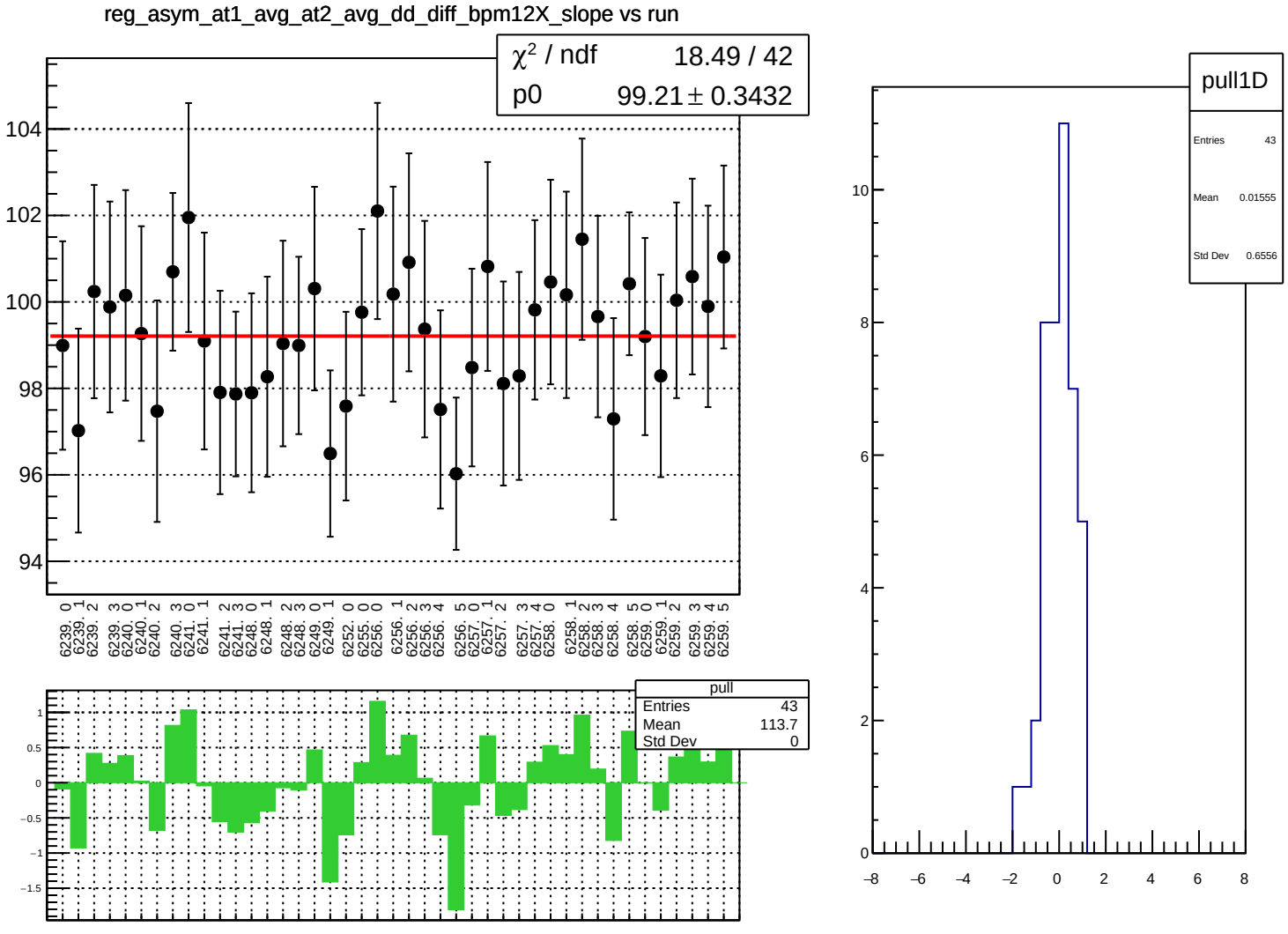

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.55 / 42
p0 29.37 ± 4.096
pull
Entries 43
Mean 90.14
Std Dev 0

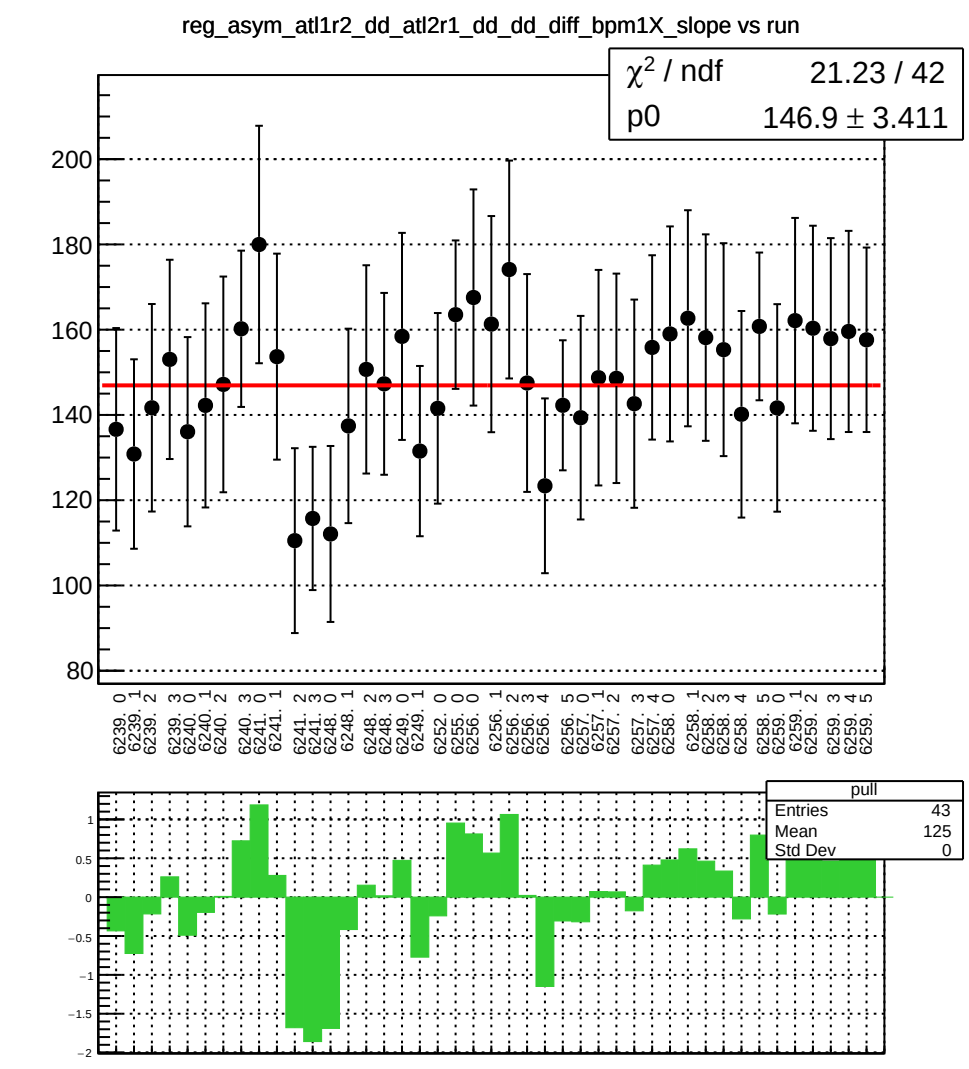

pull1D
Entries 43
Mean −0.04758
Std Dev 0.5995

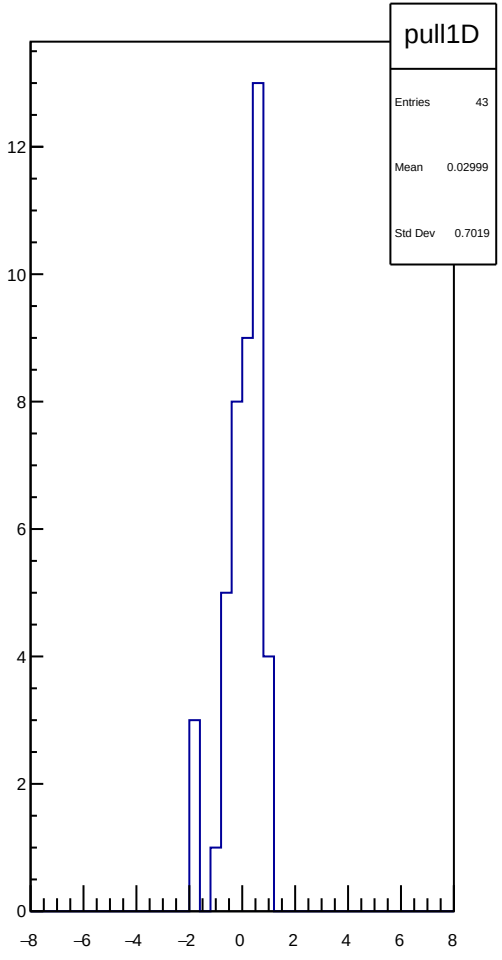

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.35 / 42
p0 −217.9 ± 4.104
pull
Entries 43
Mean 164.6
Std Dev 0

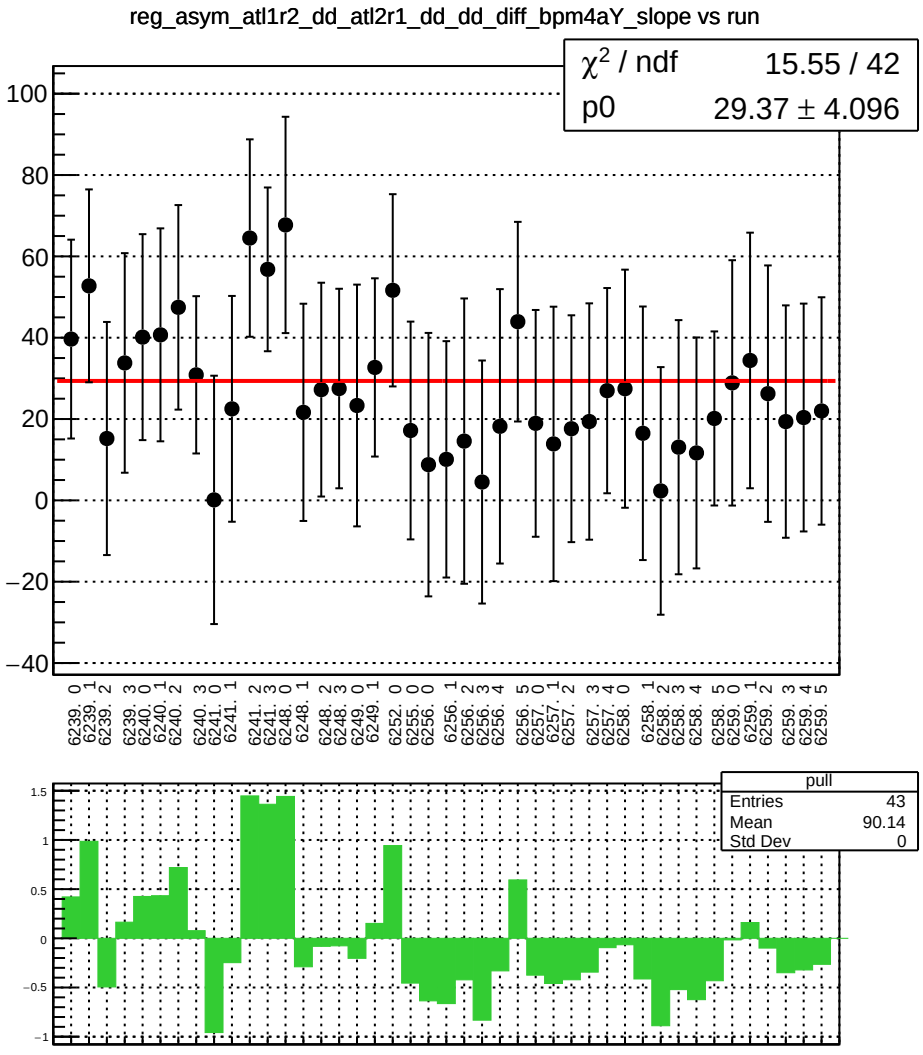

pull1D
Entries 43
Mean −0.03024
Std Dev 0.7519

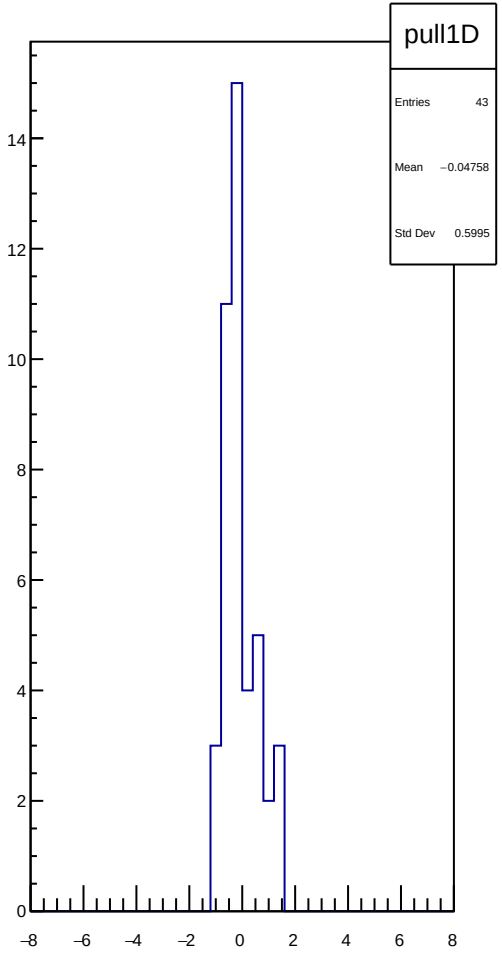

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.46 / 42
p0 −101.3 ± 4.481
pull
Entries 43
Mean 89.14
Std Dev 0
pull1D
Entries 43
Mean 0.04652
Std Dev 0.6169

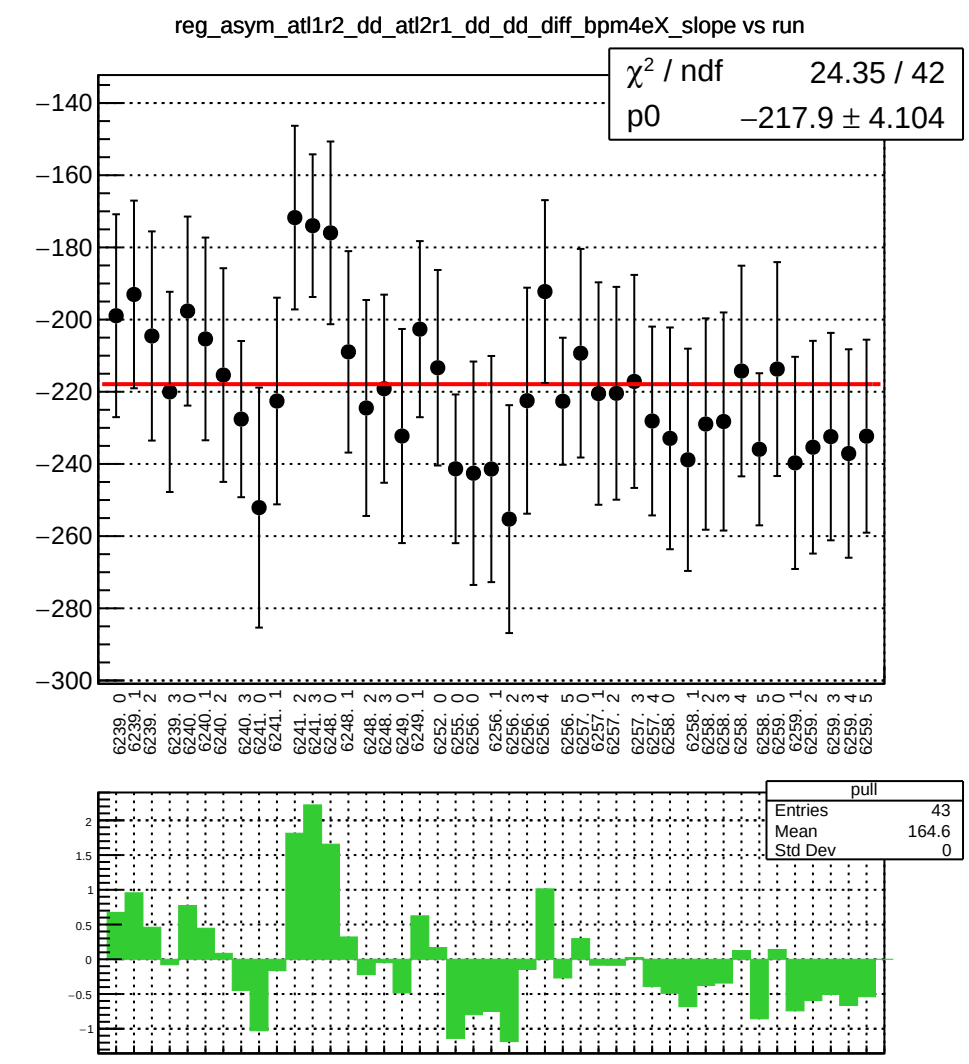

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 18.49 / 42
p0 99.21 ± 0.3432
104
102
100
98
96
94
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01555
Std Dev 0.6556
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

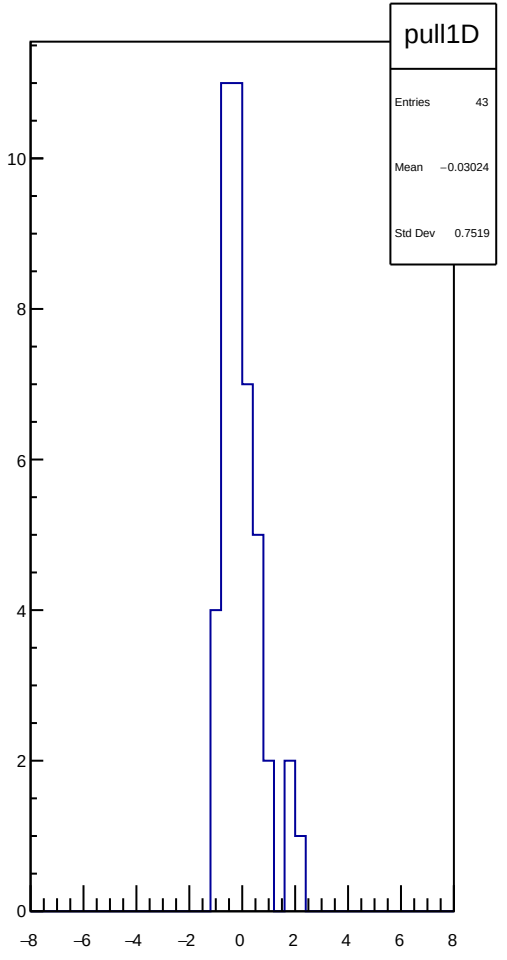

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 21.23 / 42
p0 146.9 ± 3.411
200
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 125
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

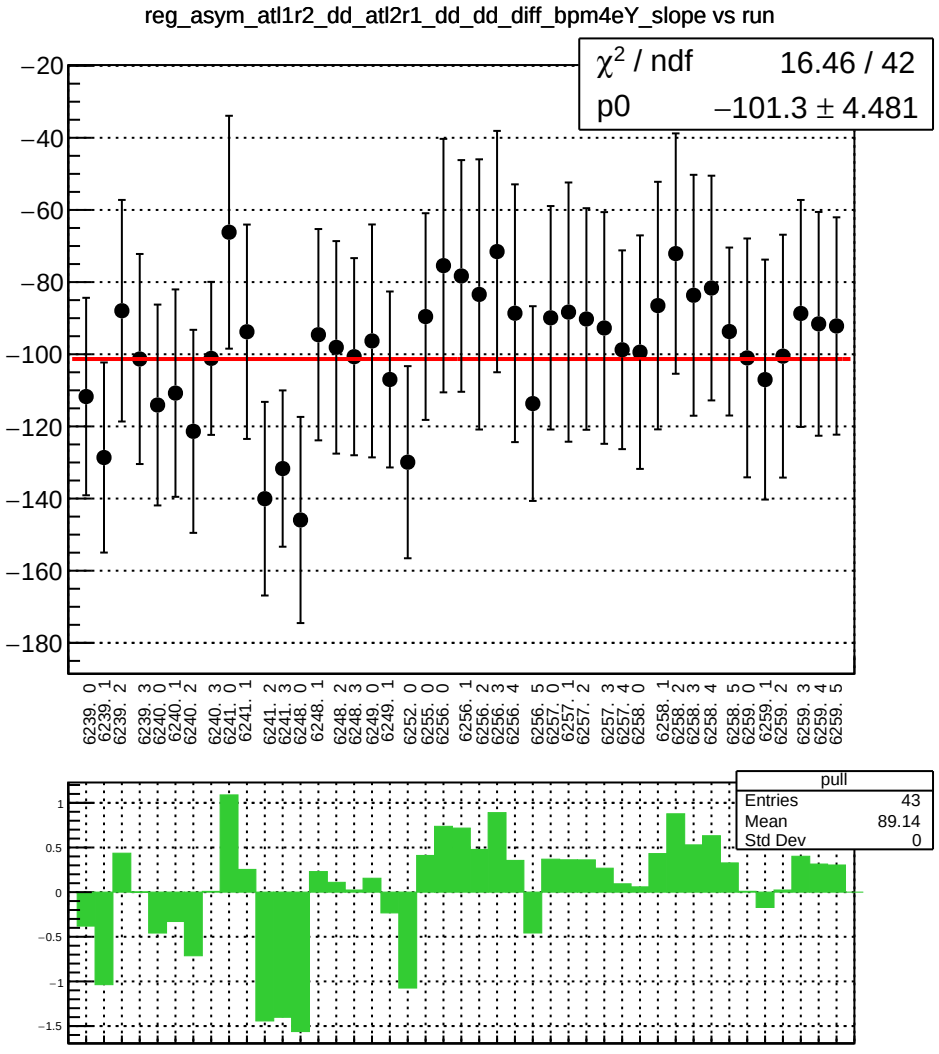

pull1D
Entries 43
Mean 0.02999
Std Dev 0.7019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

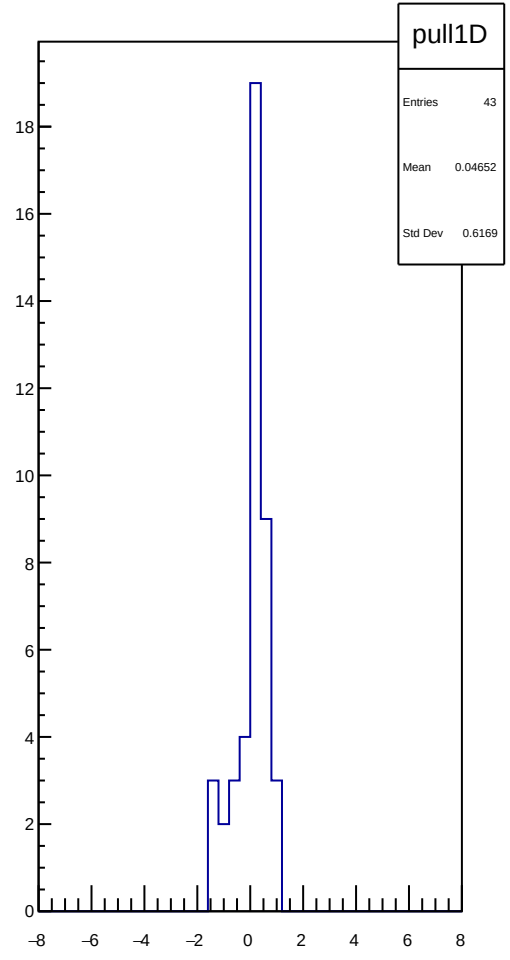

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.55 / 42
p0 29.37 ± 4.096
pull
Entries 43
Mean 90.14
Std Dev 0

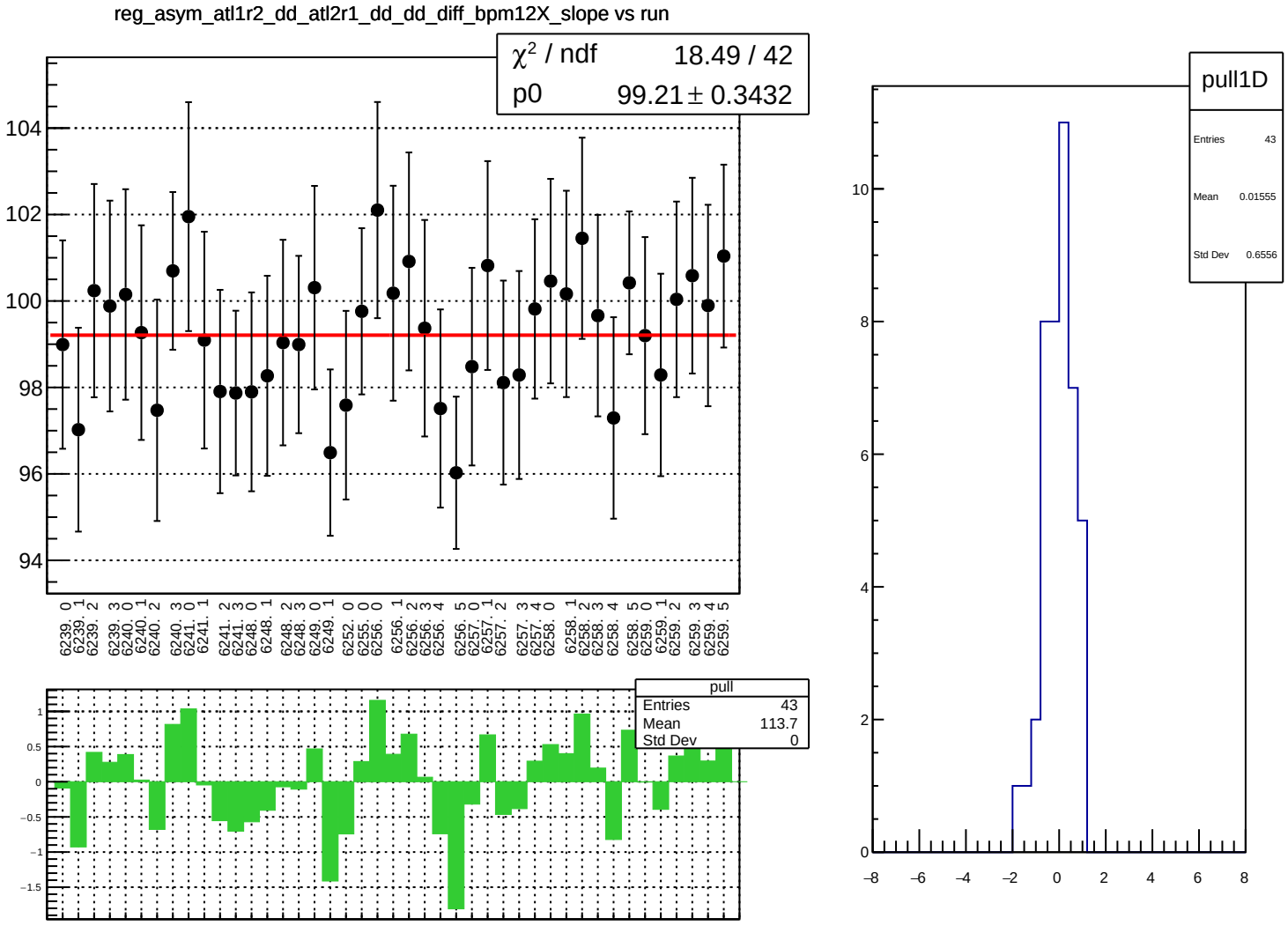

pull1D
Entries 43
Mean −0.04758
Std Dev 0.5995

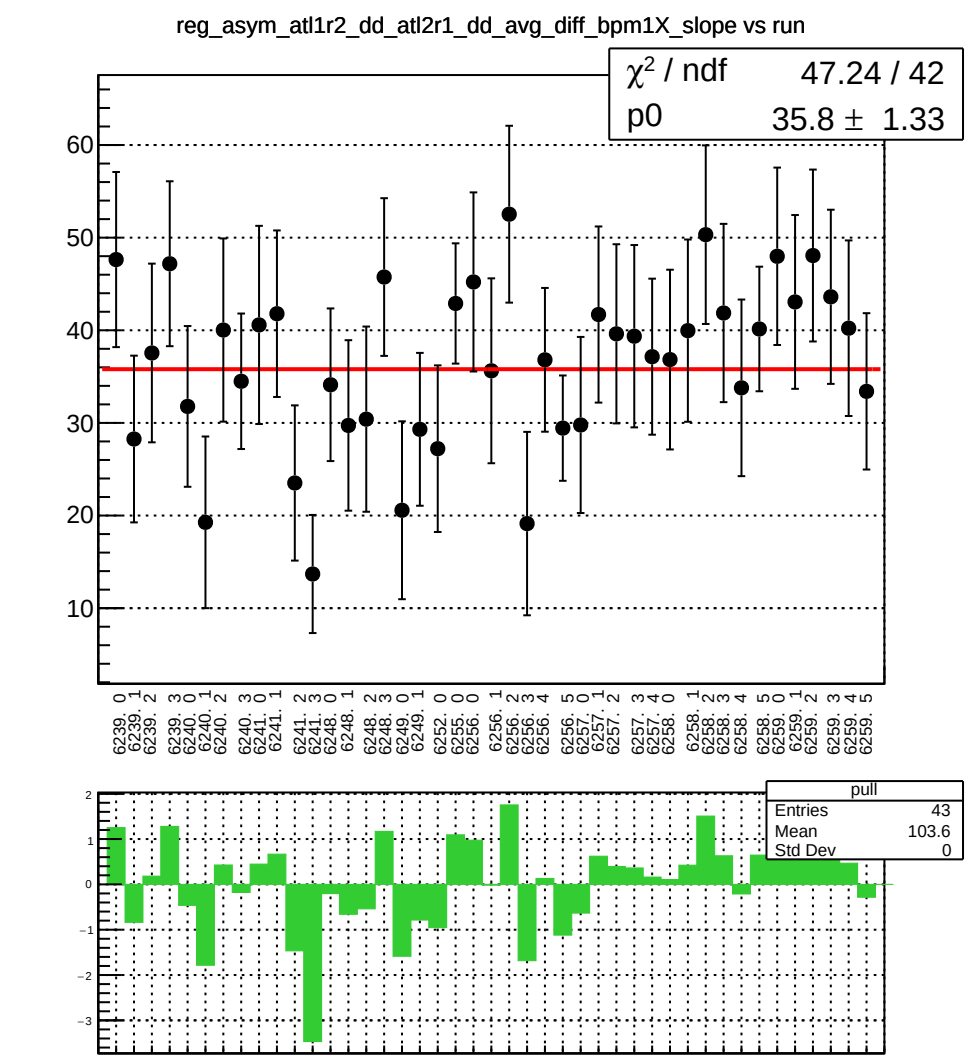

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.35 / 42
p0 −217.9 ± 4.104
pull
Entries 43
Mean 164.6
Std Dev 0

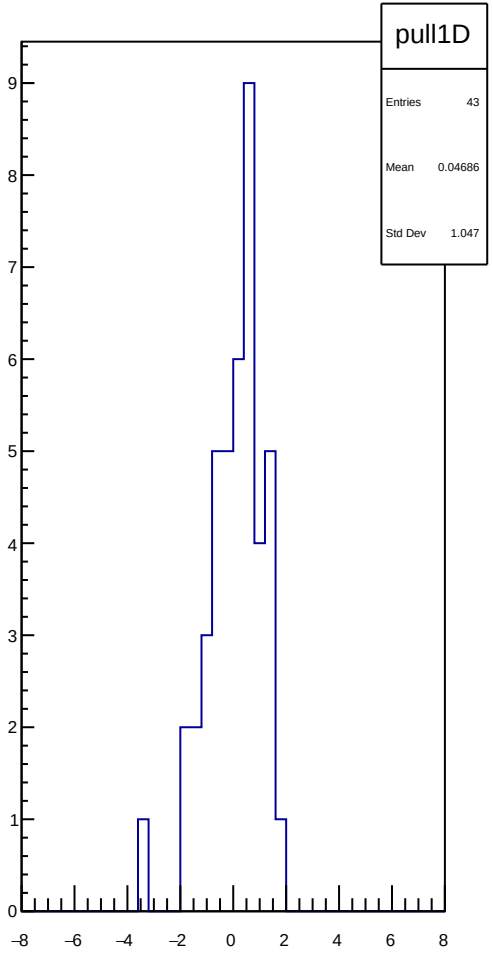

pull1D
Entries 43
Mean −0.03024
Std Dev 0.7519

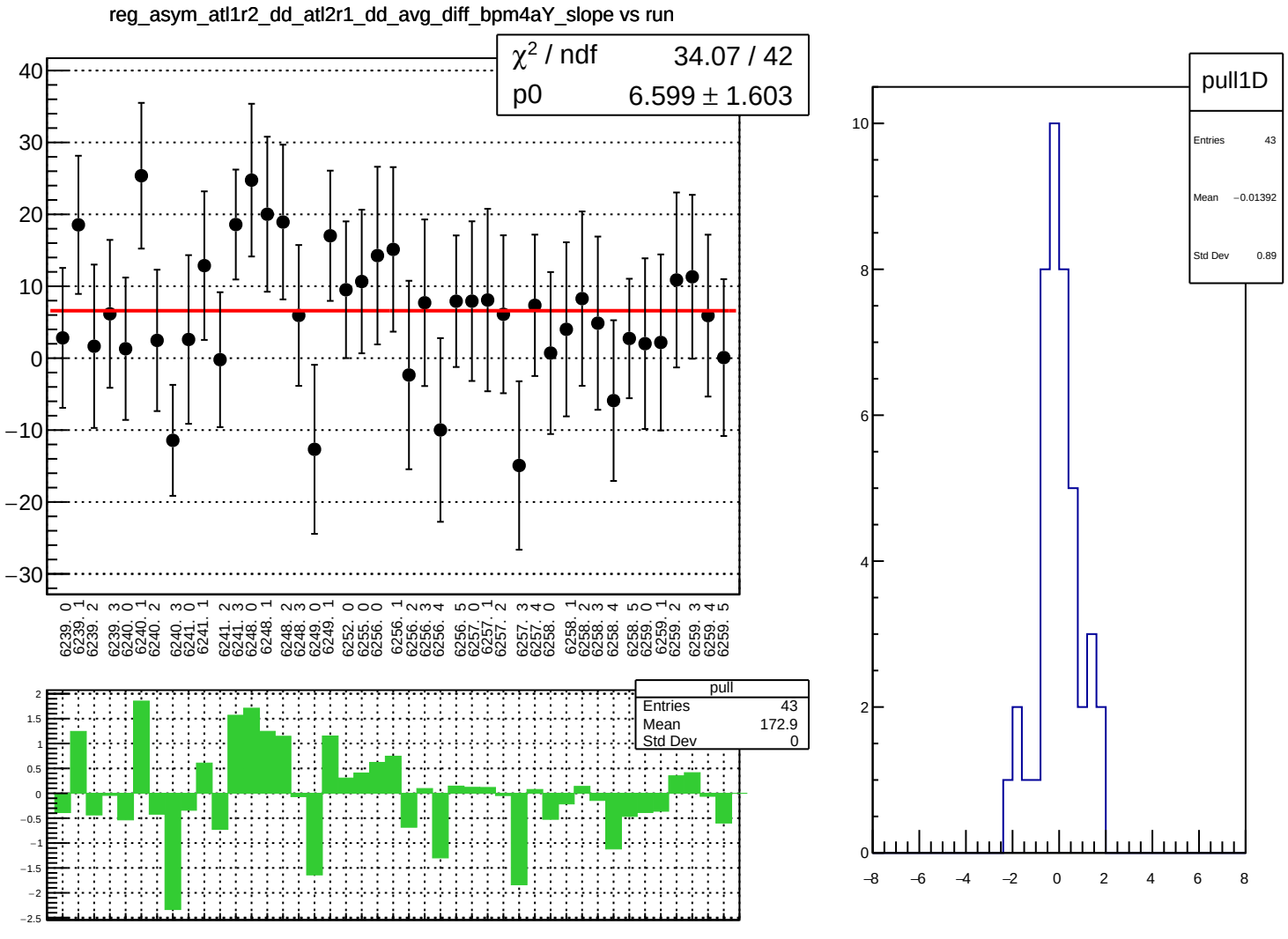

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.46 / 42
p0 −101.3 ± 4.481
pull
Entries 43
Mean 89.14
Std Dev 0

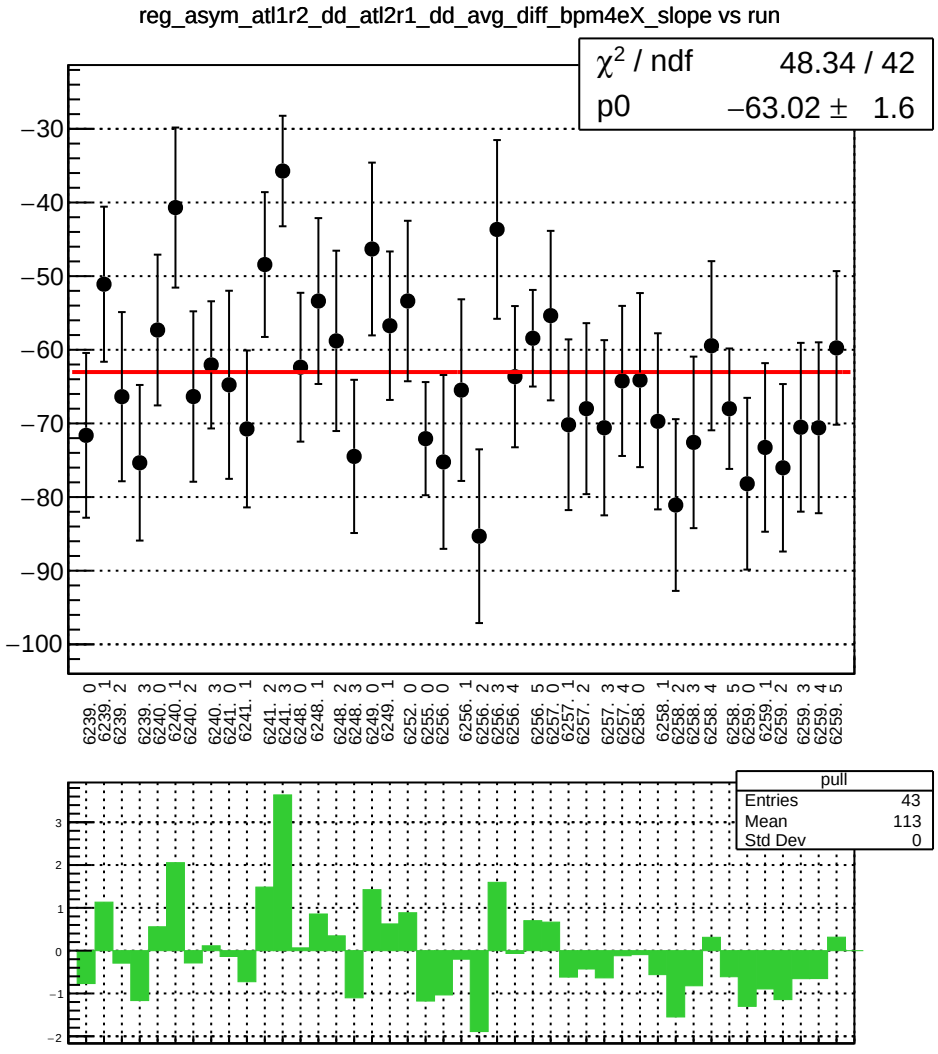

pull1D
Entries 43
Mean 0.04652
Std Dev 0.6169

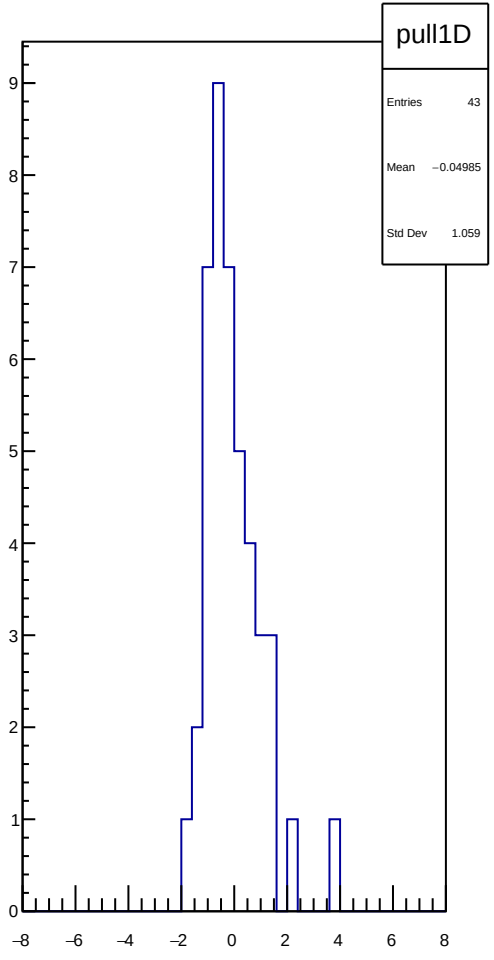

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 18.49 / 42
p0 99.21 ± 0.3432
104
102
100
98
96
94
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01555
Std Dev 0.6556
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

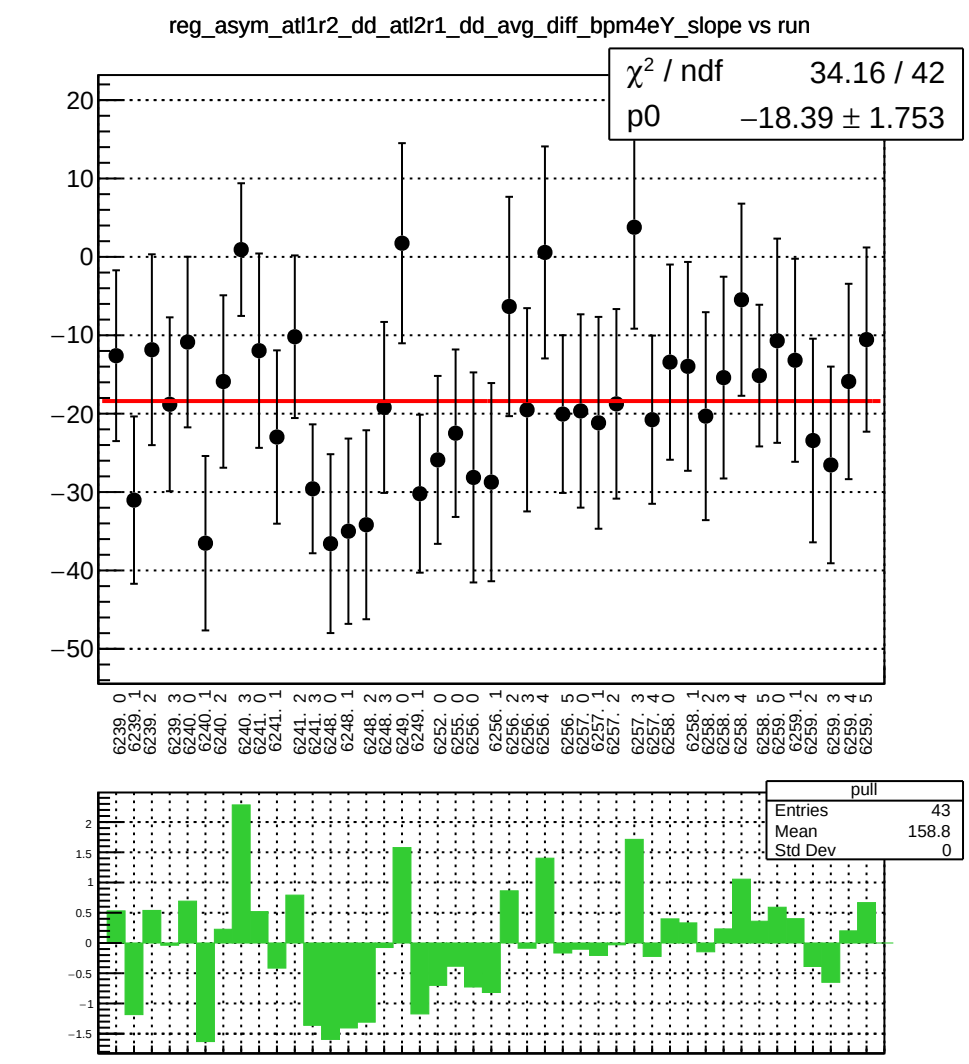

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 47.24 / 42
p0 35.8 ± 1.33
pull
Entries 43
Mean 103.6
Std Dev 0

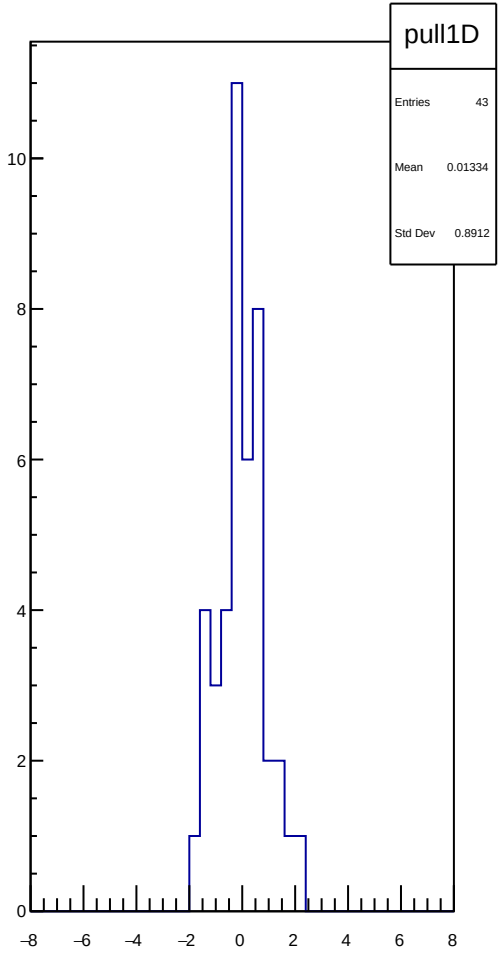

pull1D
Entries 43
Mean 0.04686
Std Dev 1.047

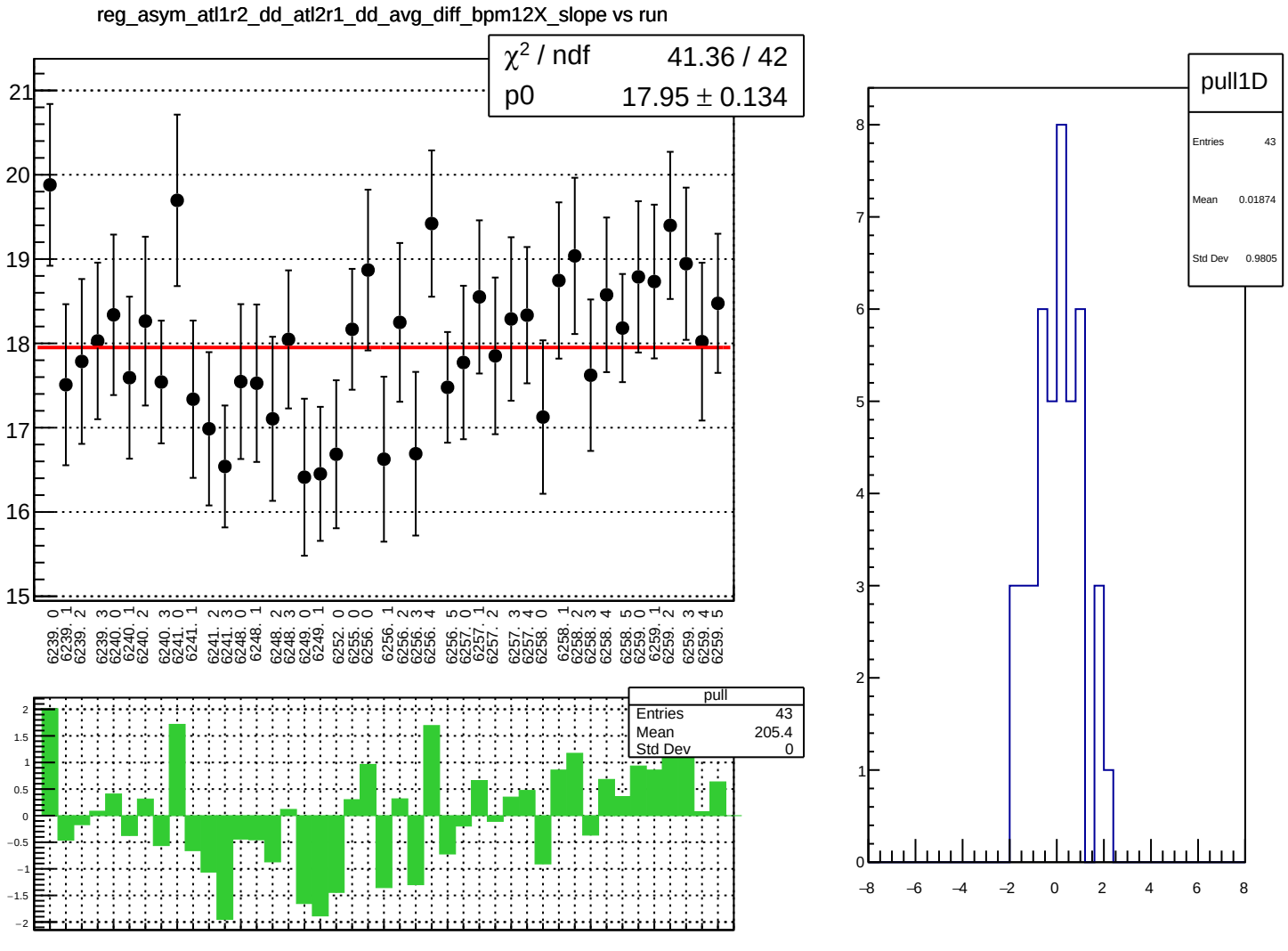

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.07 / 42
p0 6.599 ± 1.603
pull
Entries 43
Mean 172.9
Std Dev 0
pull1D
Entries 43
Mean −0.01392
Std Dev 0.89

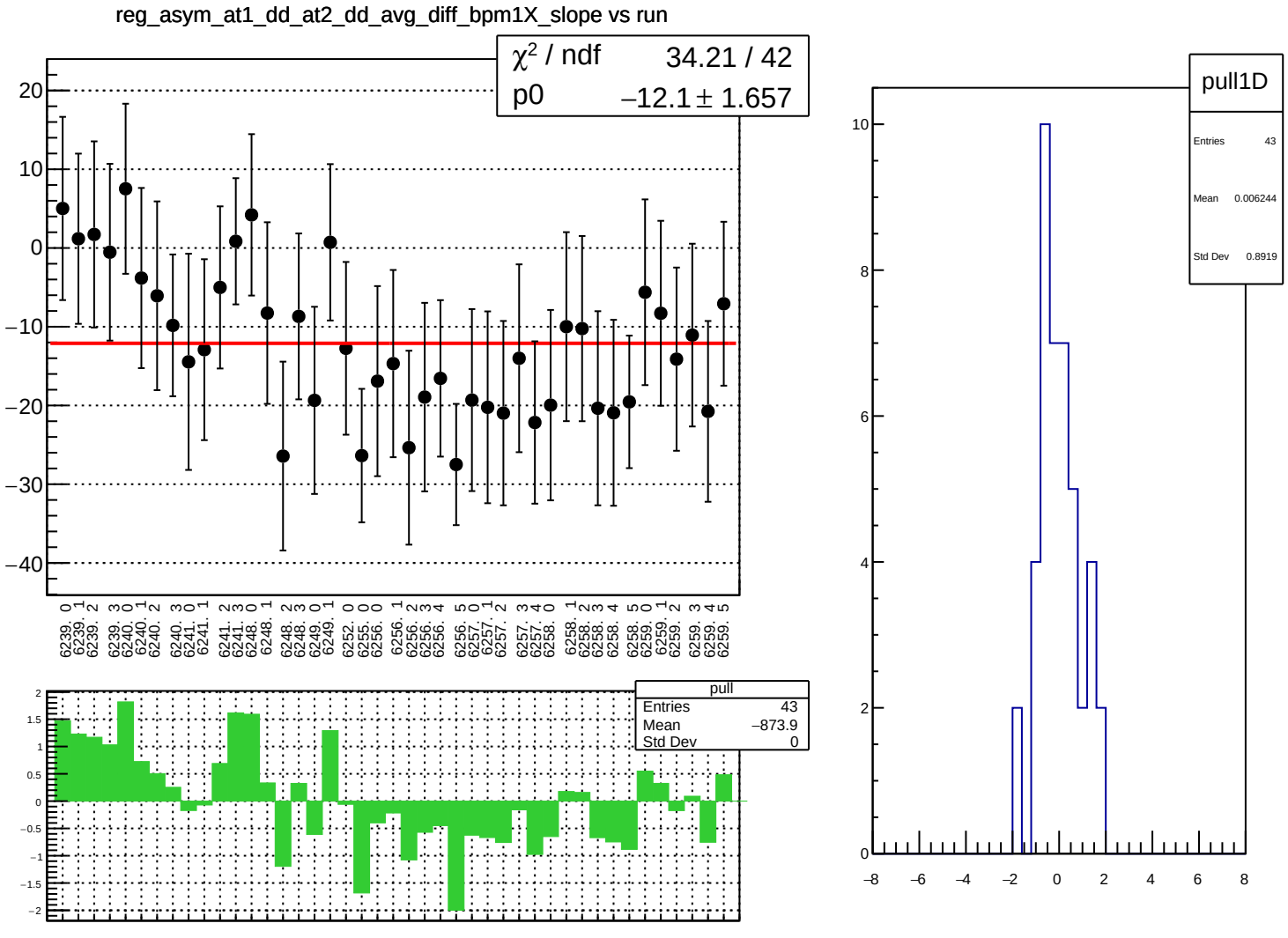

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.34 / 42
p0 −63.02 ± 1.6
pull
Entries 43
Mean 113
Std Dev 0

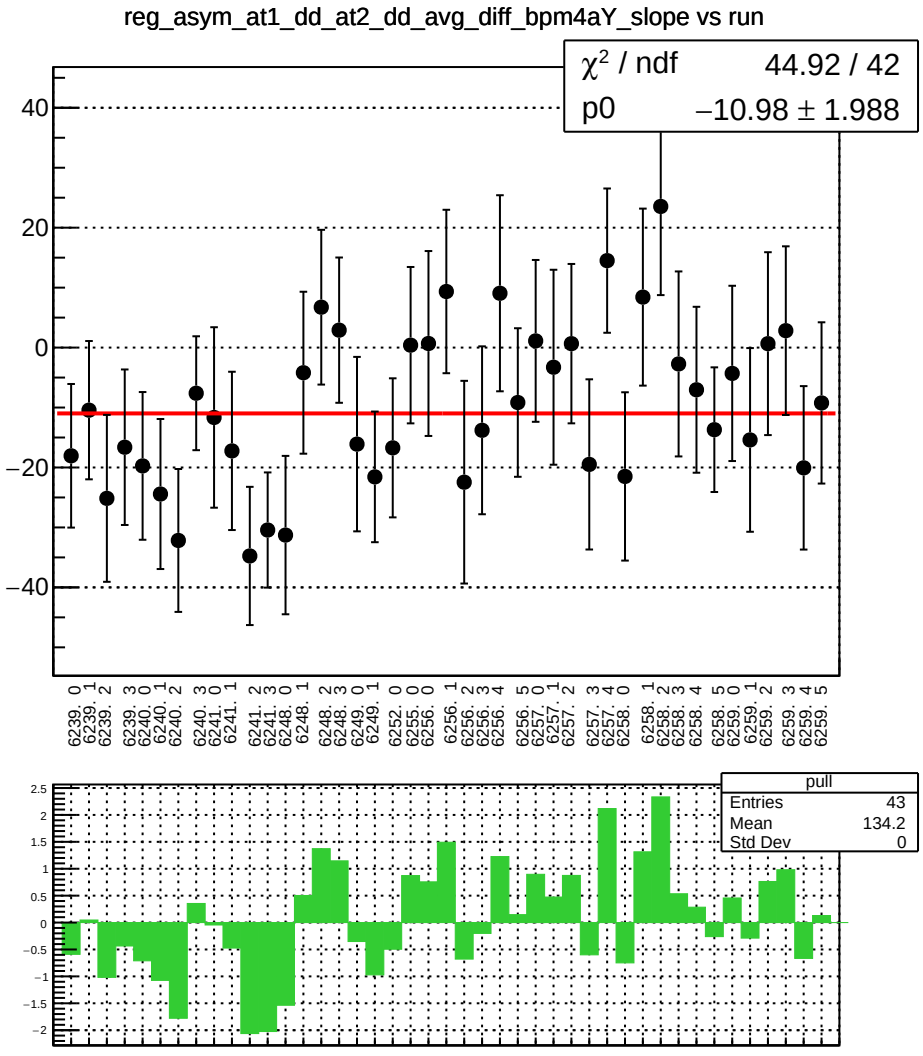

pull1D
Entries 43
Mean −0.04985
Std Dev 1.059

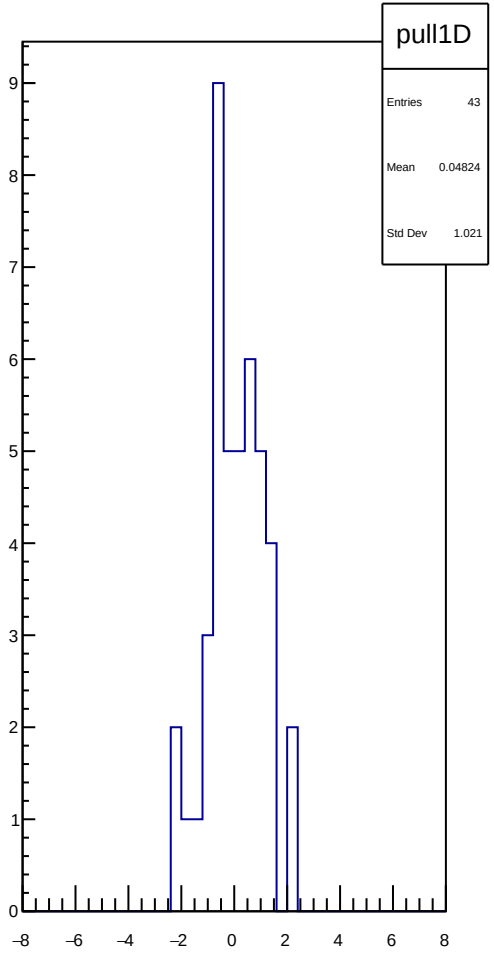

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.16 / 42
p0 −18.39 ± 1.753
pull
Entries 43
Mean 158.8
Std Dev 0

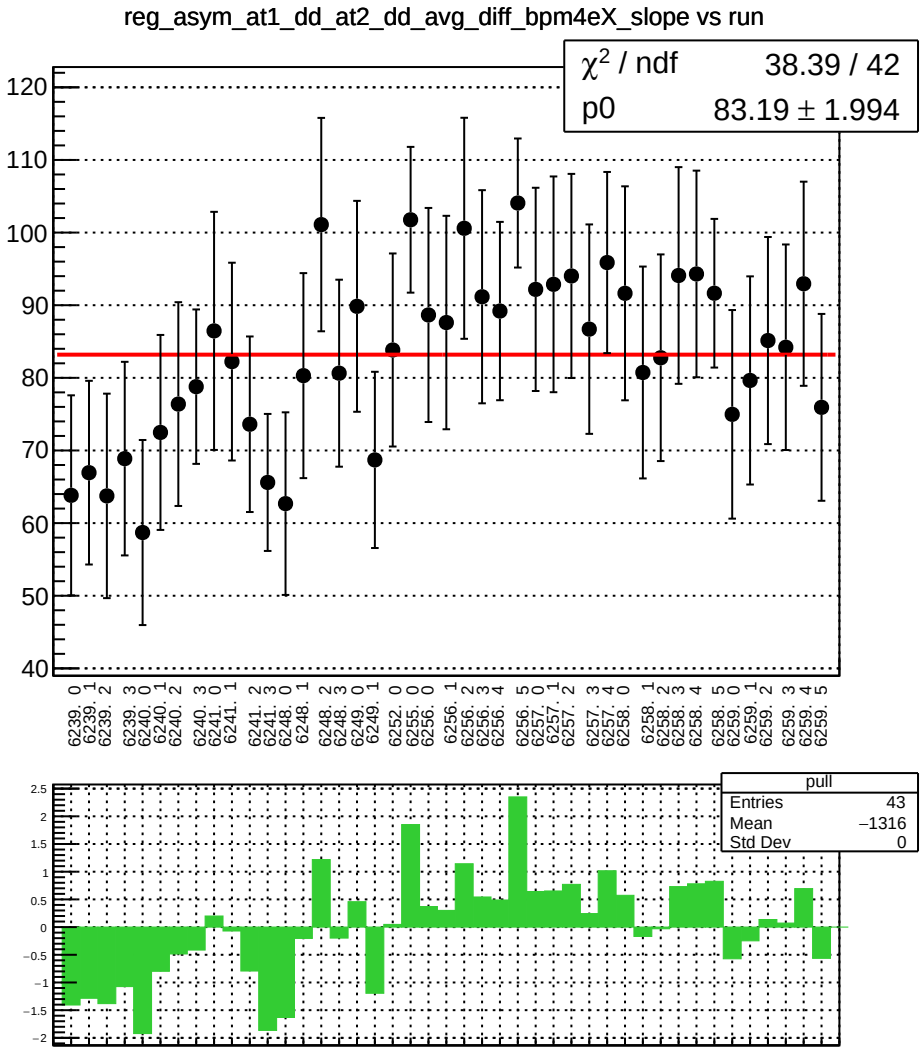

pull1D
Entries 43
Mean 0.01334
Std Dev 0.8912

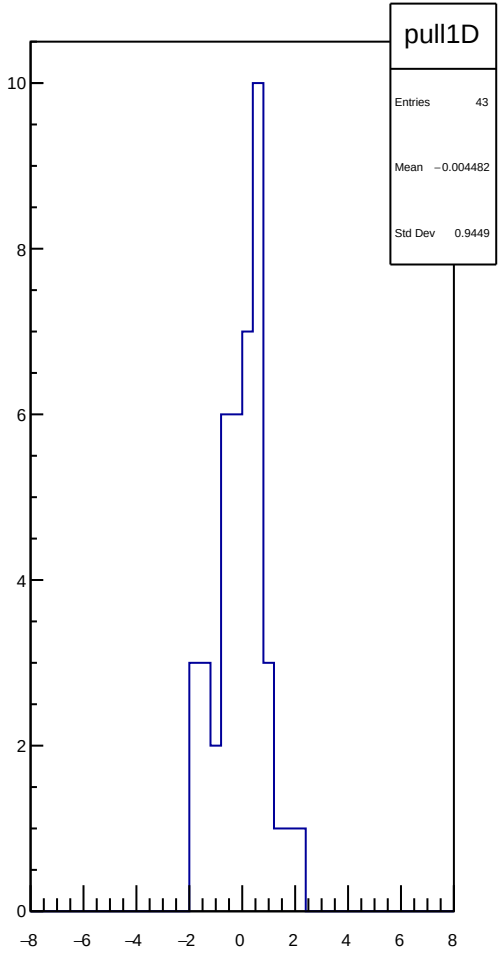

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 41.36 / 42
p0 17.95 ± 0.134
pull
Entries 43
Mean 205.4
Std Dev 0
pull1D
Entries 43
Mean 0.01874
Std Dev 0.9805

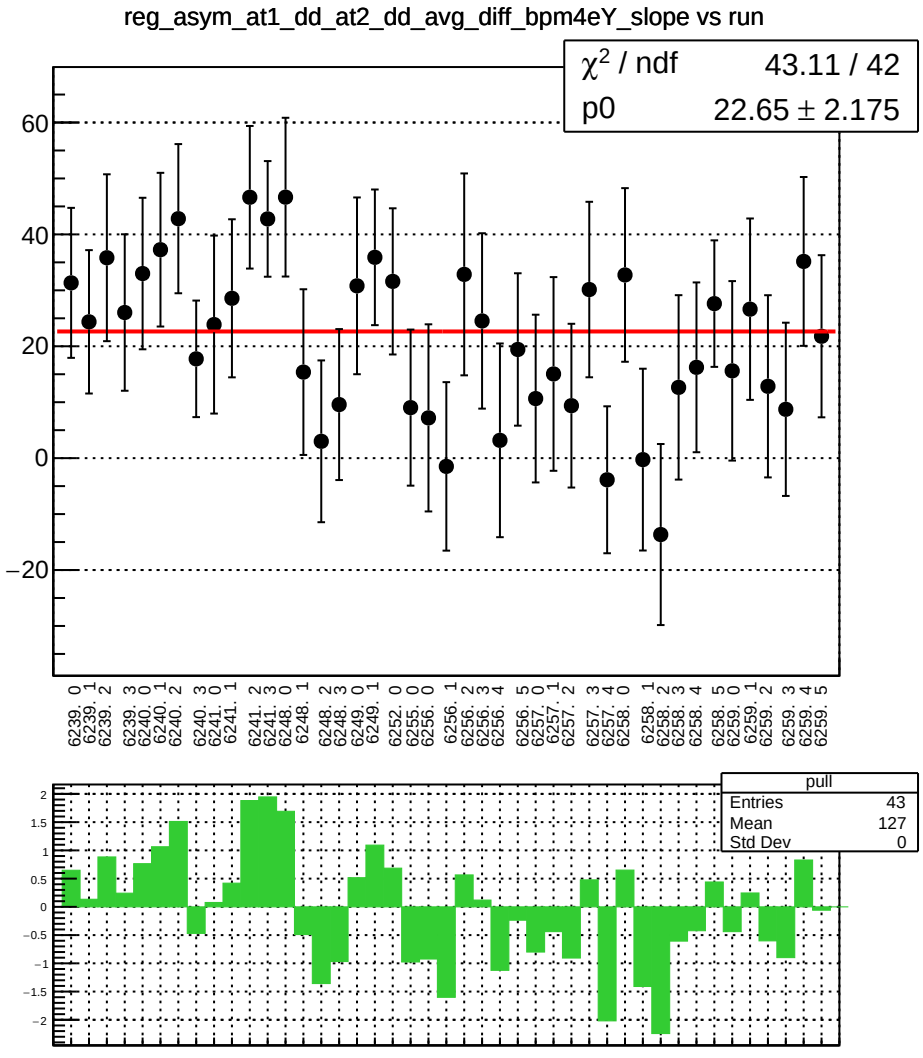

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 34.21 / 42
p0 −12.1 ± 1.657
pull
Entries 43
Mean −873.9
Std Dev 0
pull1D
Entries 43
Mean 0.006244
Std Dev 0.8919

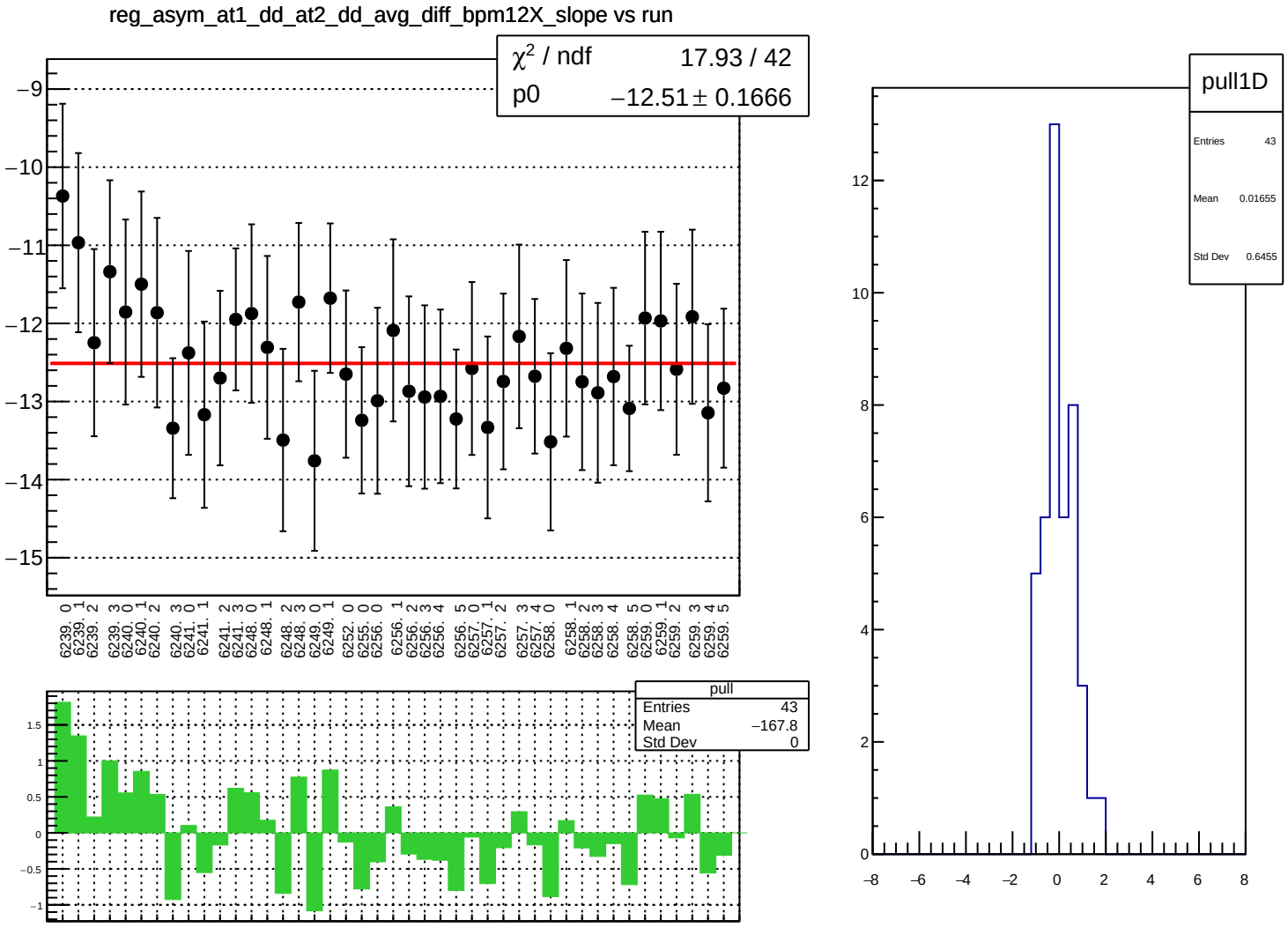

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.92 / 42
p0 −10.98 ± 1.988
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 134.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

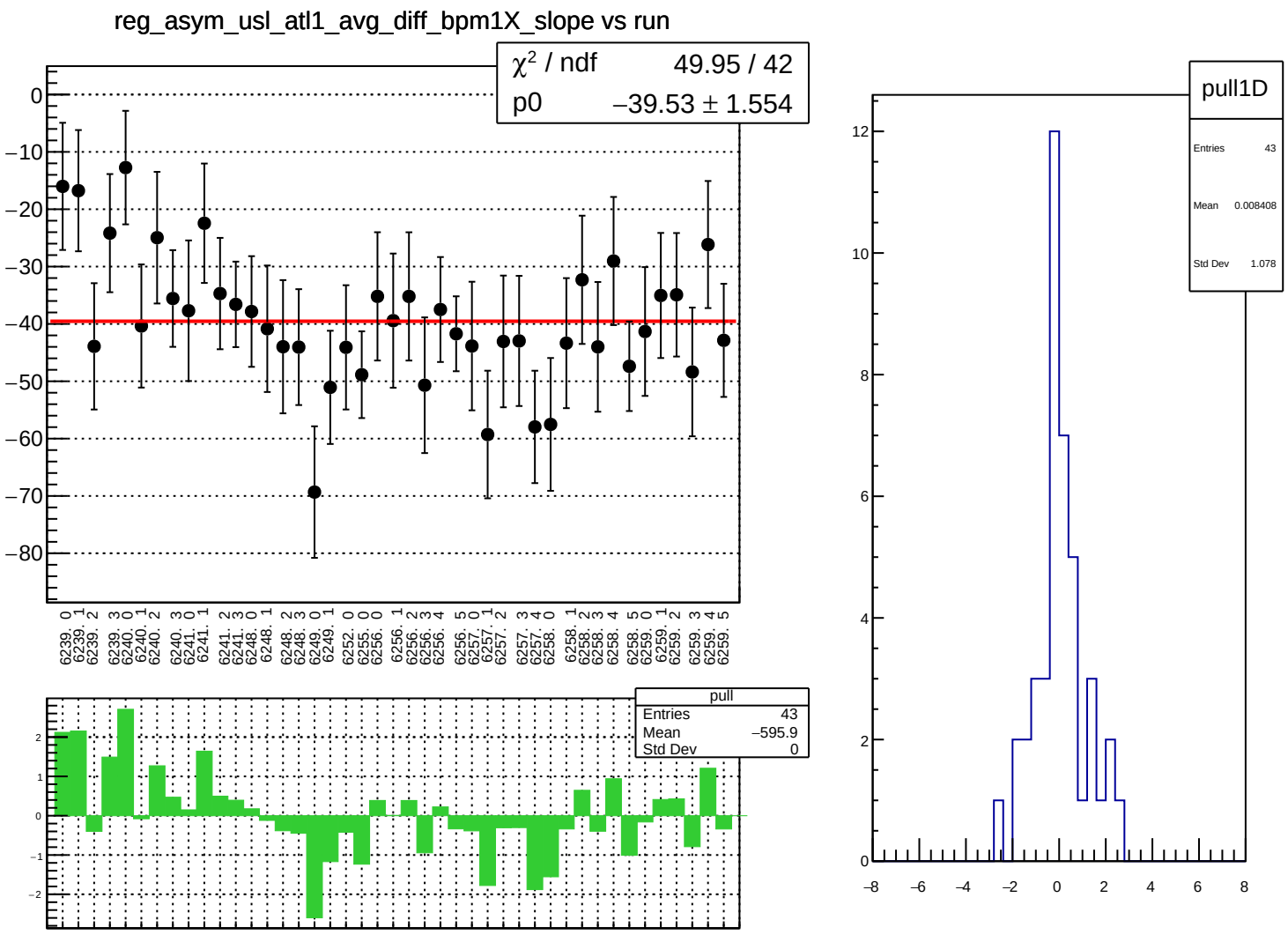

pull1D
Entries 43
Mean 0.04824
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

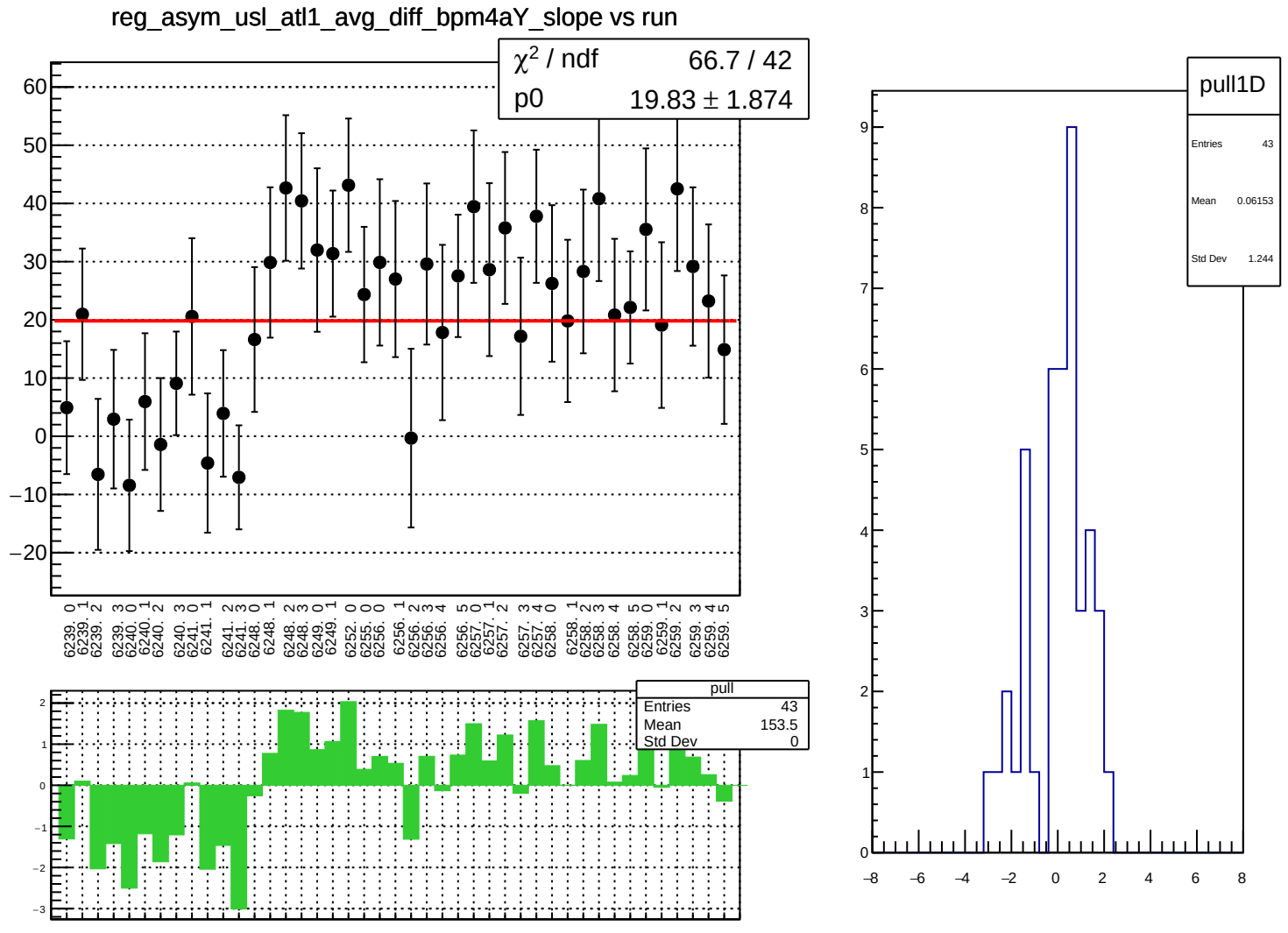

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.39 / 42
p0 83.19 ± 1.994
pull
Entries 43
Mean −1316
Std Dev 0

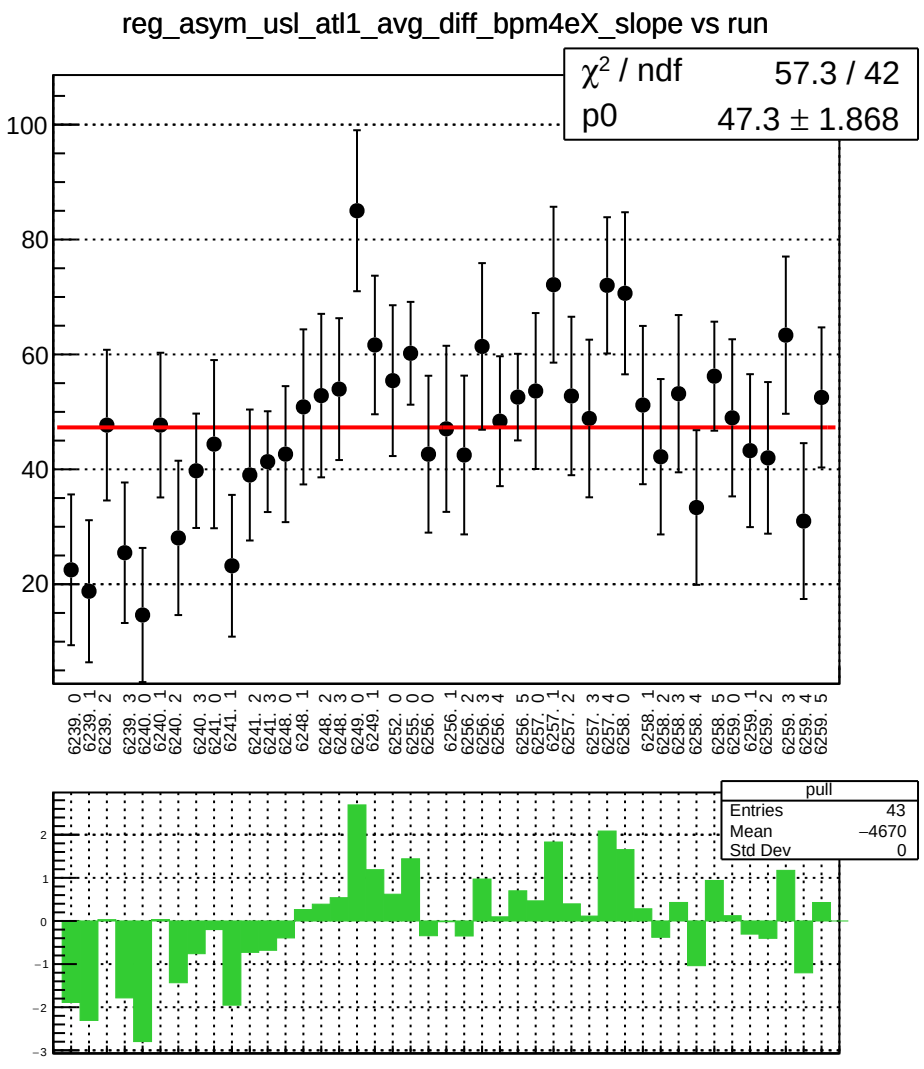

pull1D
Entries 43
Mean −0.004482
Std Dev 0.9449

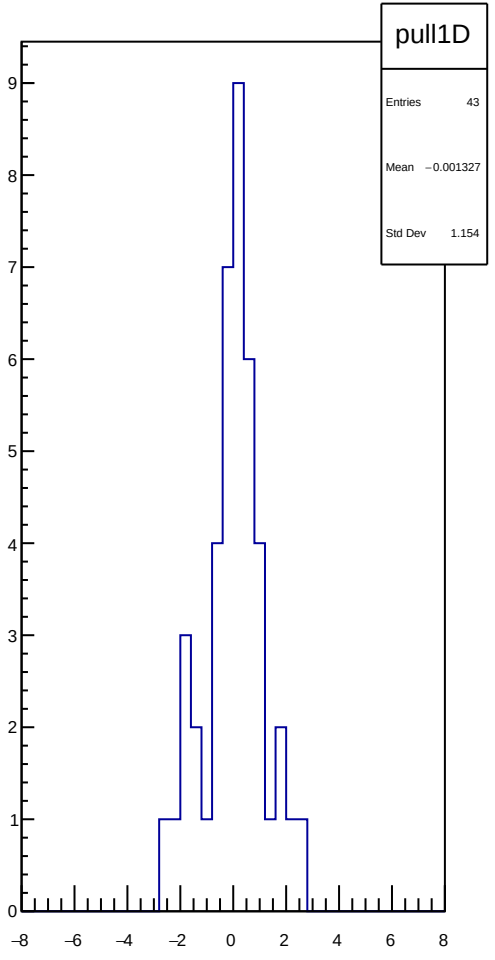

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.11 / 42
p0 22.65 ± 2.175
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 127
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean −0.04879
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

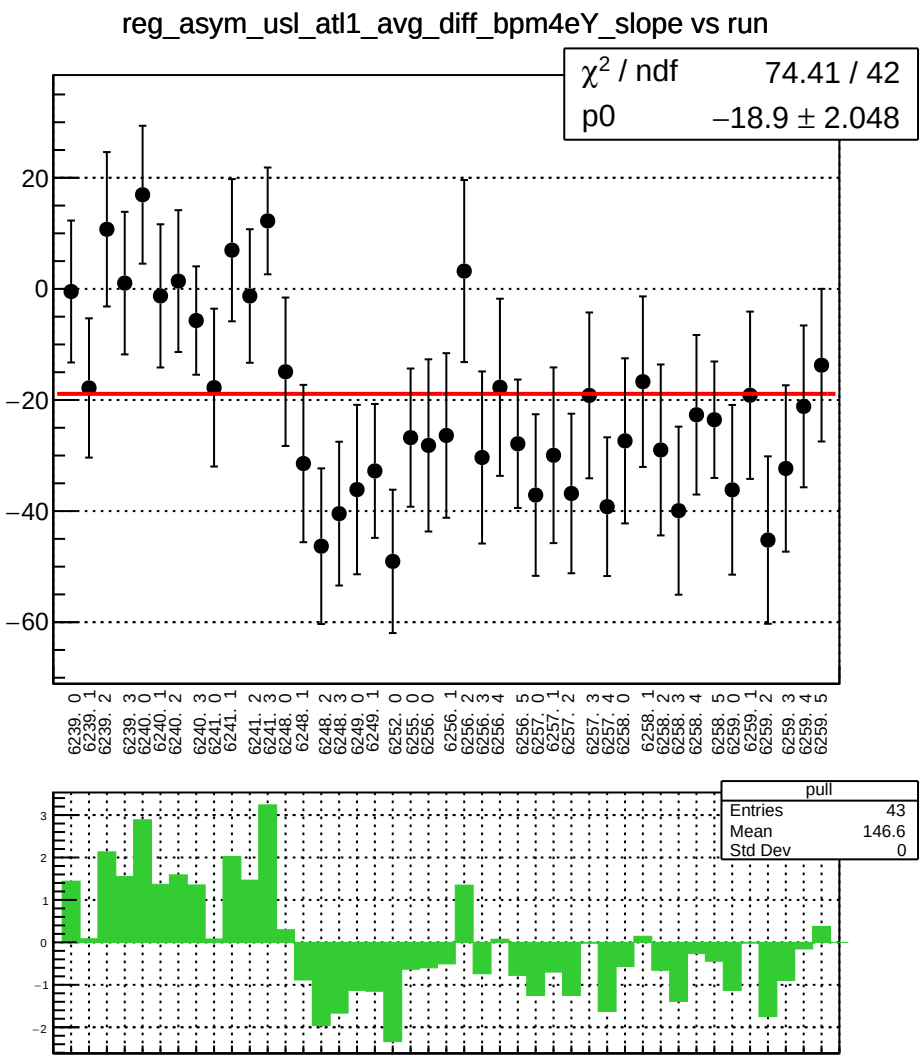

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 17.93 / 42
p0 −12.51 ± 0.1666
pull
Entries 43
Mean −167.8
Std Dev 0
pull1D
Entries 43
Mean 0.01655
Std Dev 0.6455

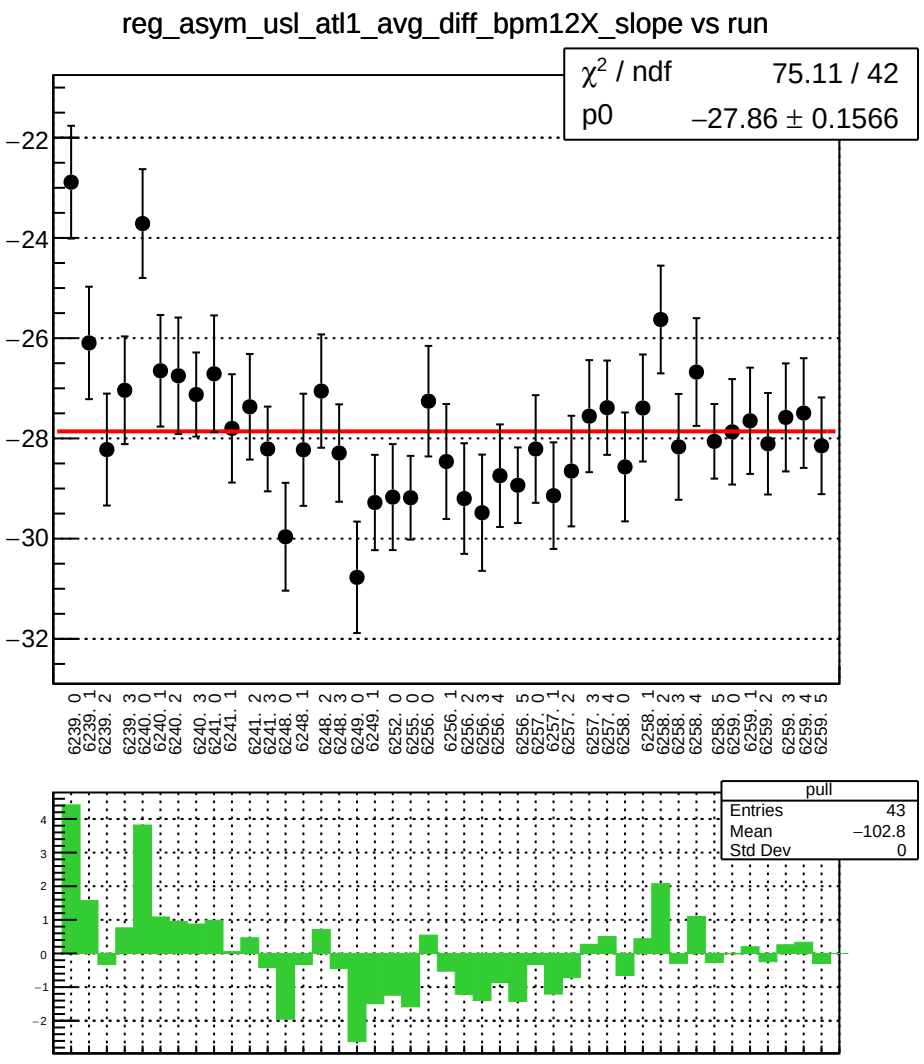

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 49.95 / 42
p0 −39.53 ± 1.554
0
−10
−20
−30
−40
−50
−60
−70
−80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −595.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 43
Mean 0.008408
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

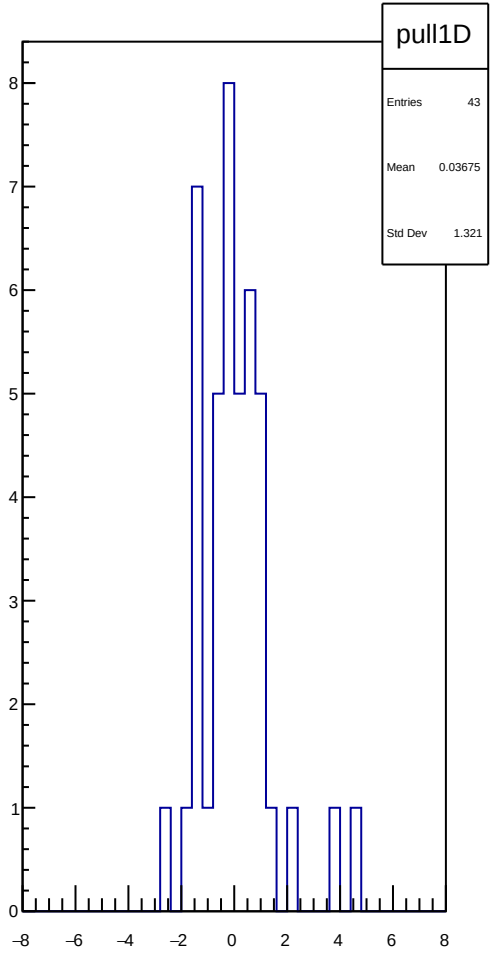

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.7 / 42
p0 19.83 ± 1.874
pull
Entries 43
Mean 153.5
Std Dev 0
pull1D
Entries 43
Mean 0.06153
Std Dev 1.244

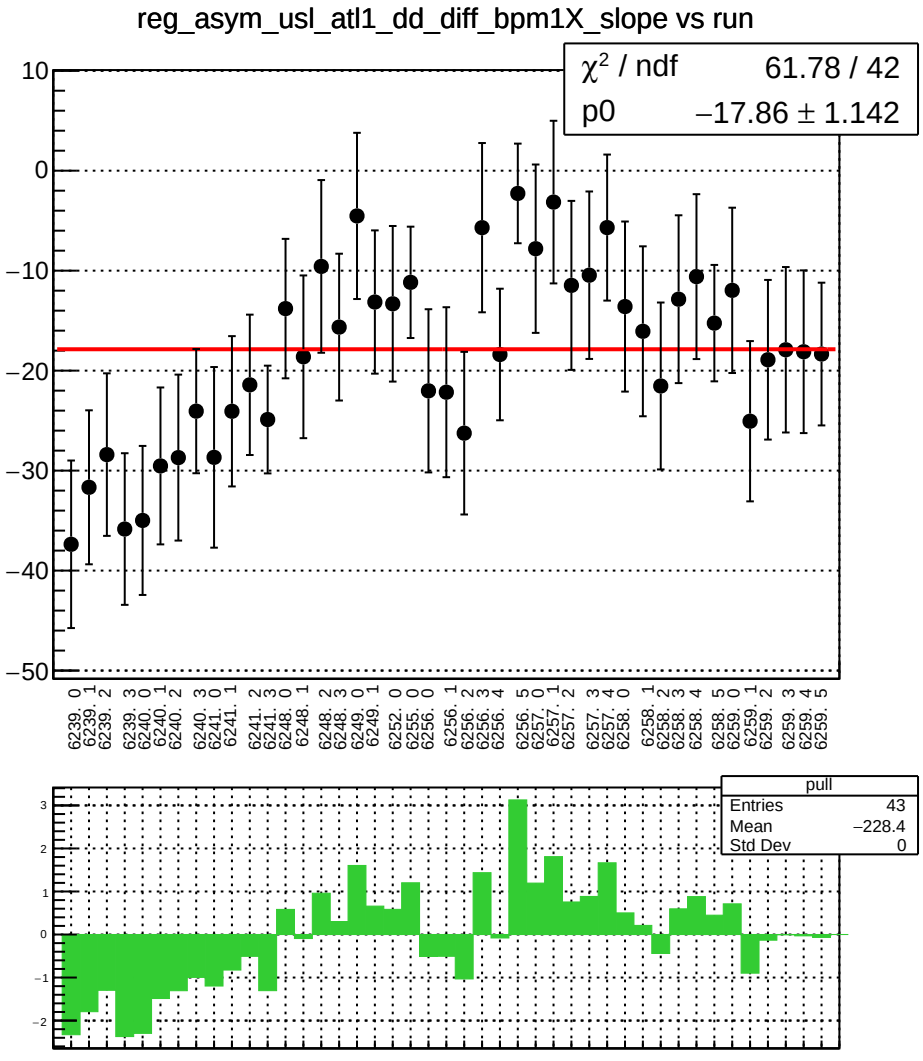

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.3 / 42
p0 47.3 ± 1.868
100
80
60
40
20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −4670
Std Dev 0
2
1
0
−1
−2
−3

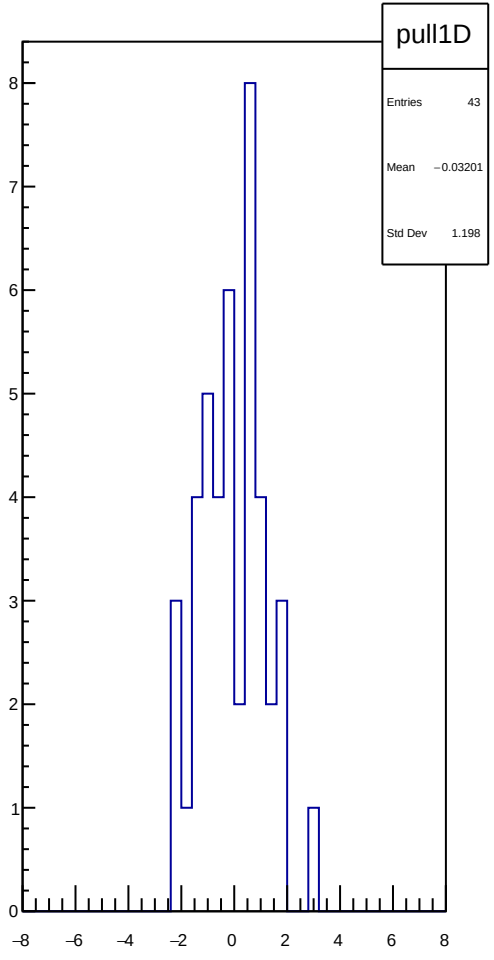

pull1D
Entries 43
Mean −0.001327
Std Dev 1.154
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

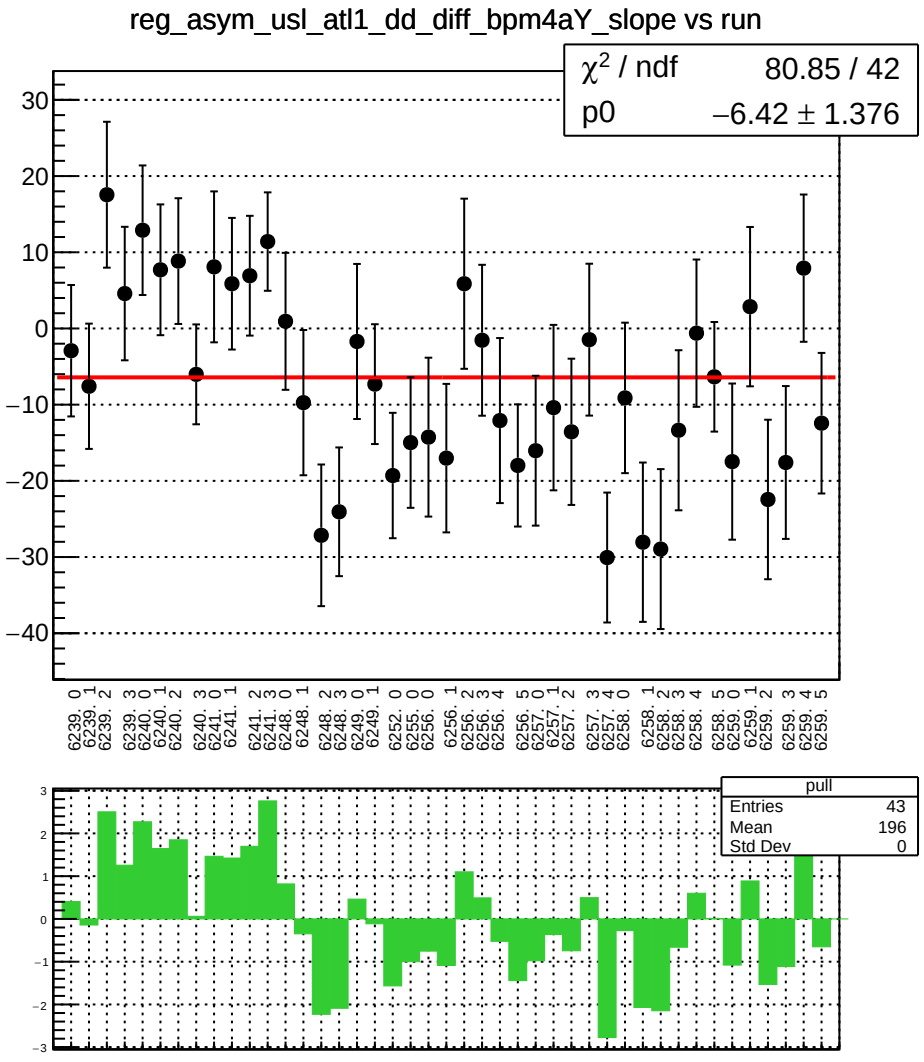

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.41 / 42
p0 −18.9 ± 2.048
20
0
−20
−40
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 146.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.07071
Std Dev 1.314
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

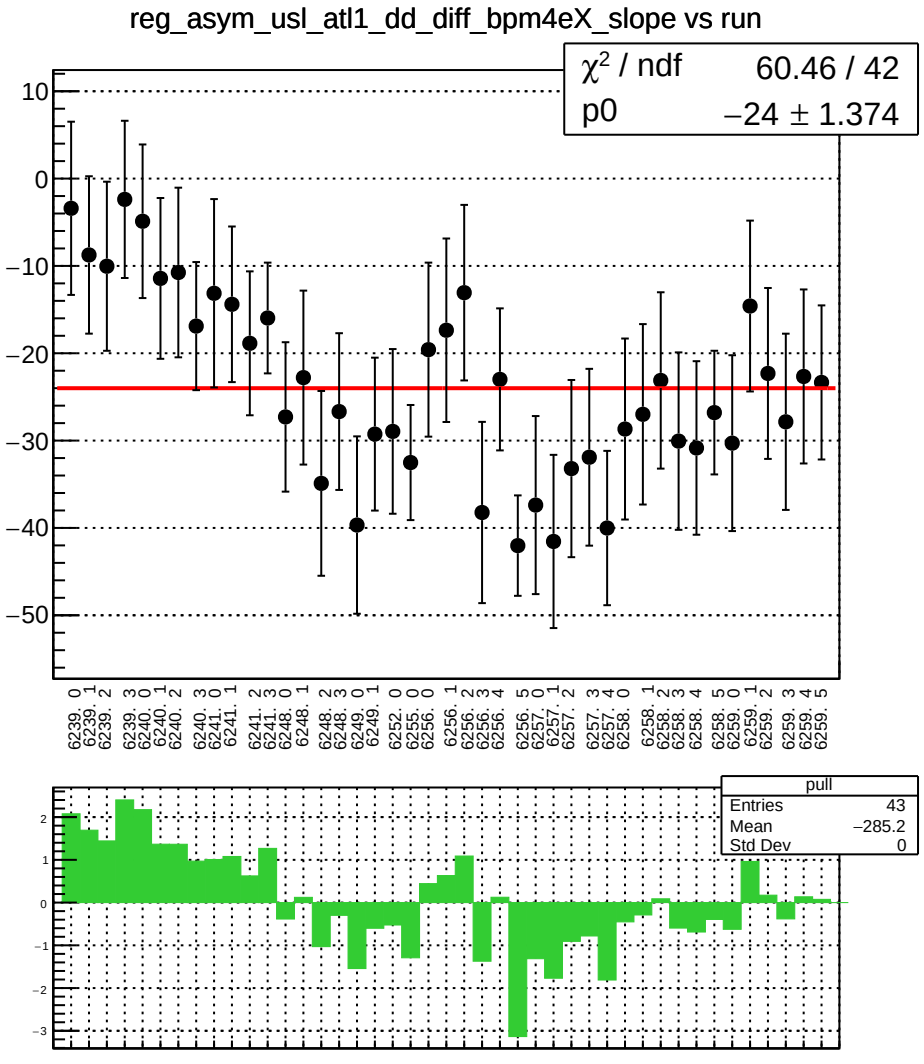

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 75.11 / 42
p0 −27.86 ± 0.1566
−22
−24
−26
−28
−30
−32
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −102.8
Std Dev 0
4
3
2
1
0
−1
−2

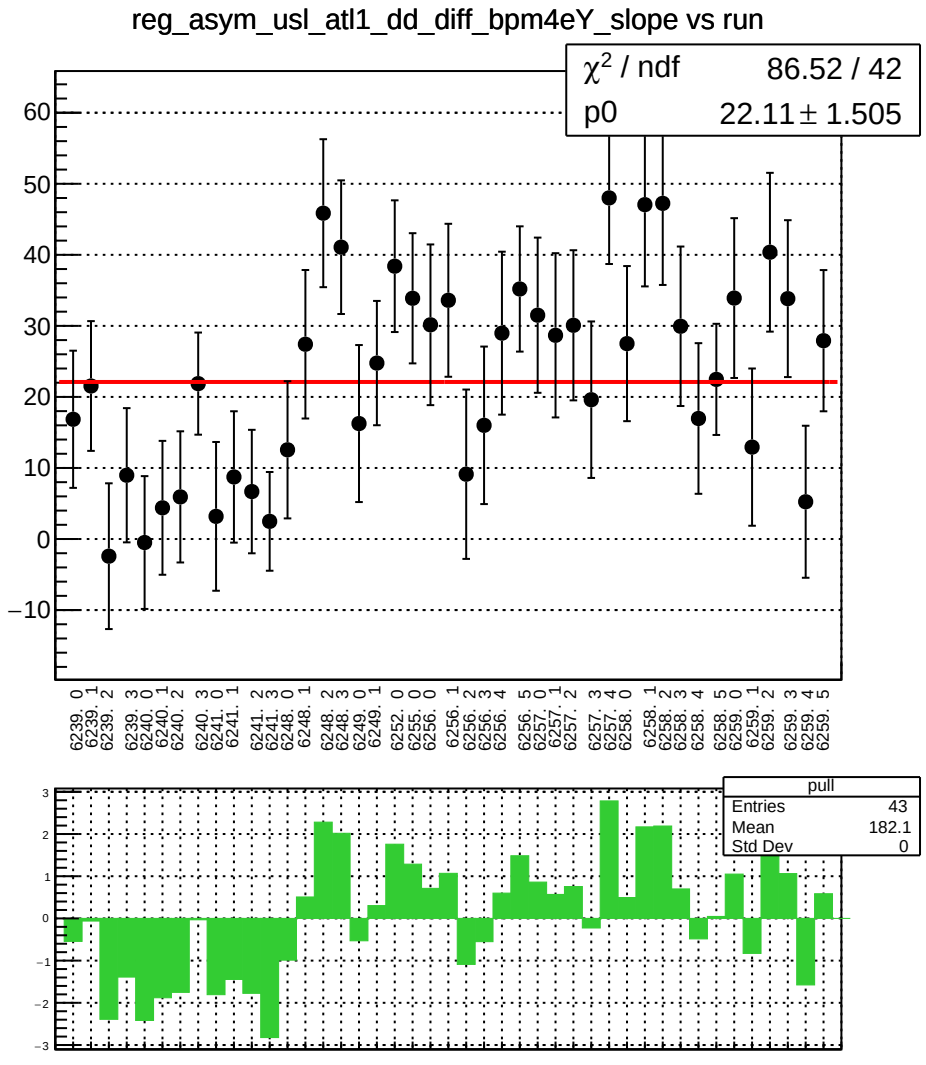

pull1D
Entries 43
Mean 0.03675
Std Dev 1.321
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

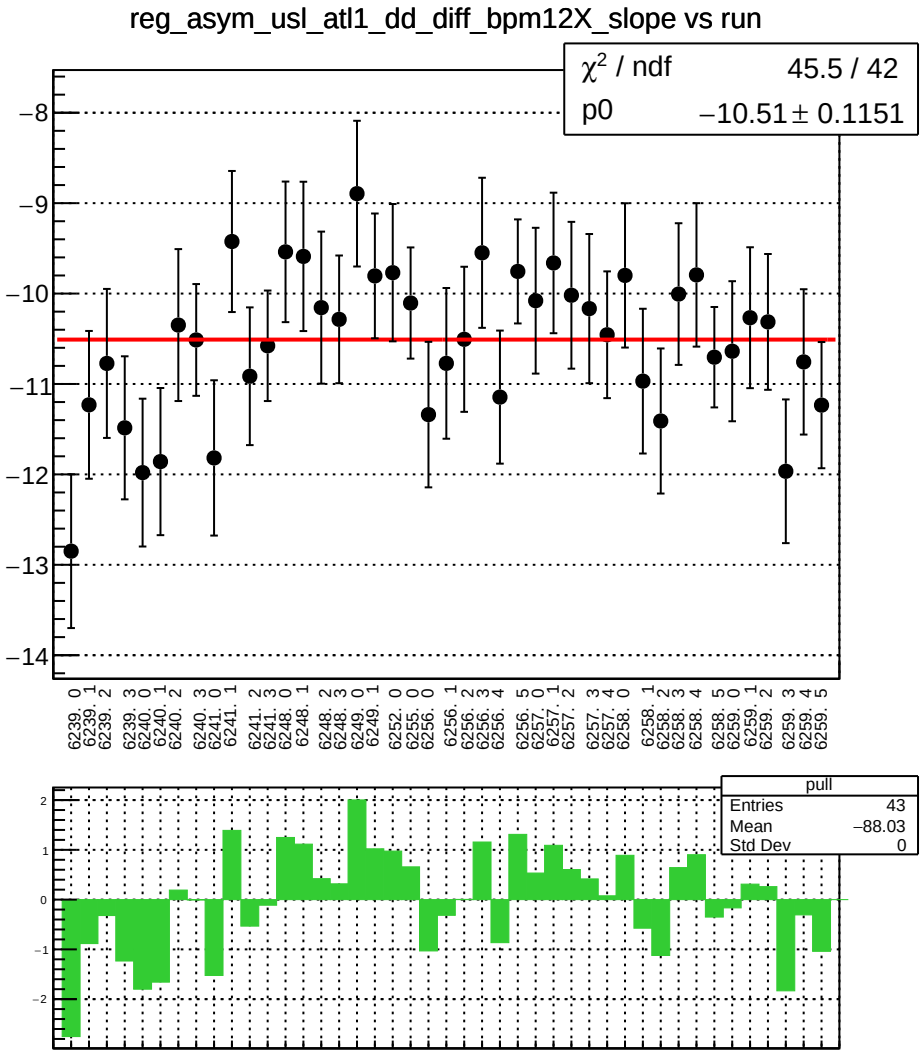

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 61.78 / 42
p0 −17.86 ± 1.142
pull
Entries 43
Mean −228.4
Std Dev 0

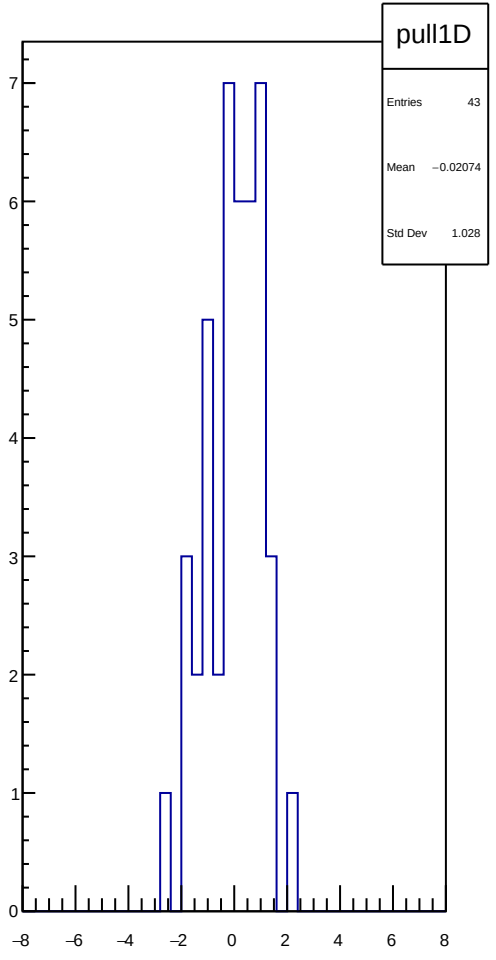

pull1D
Entries 43
Mean −0.03201
Std Dev 1.198

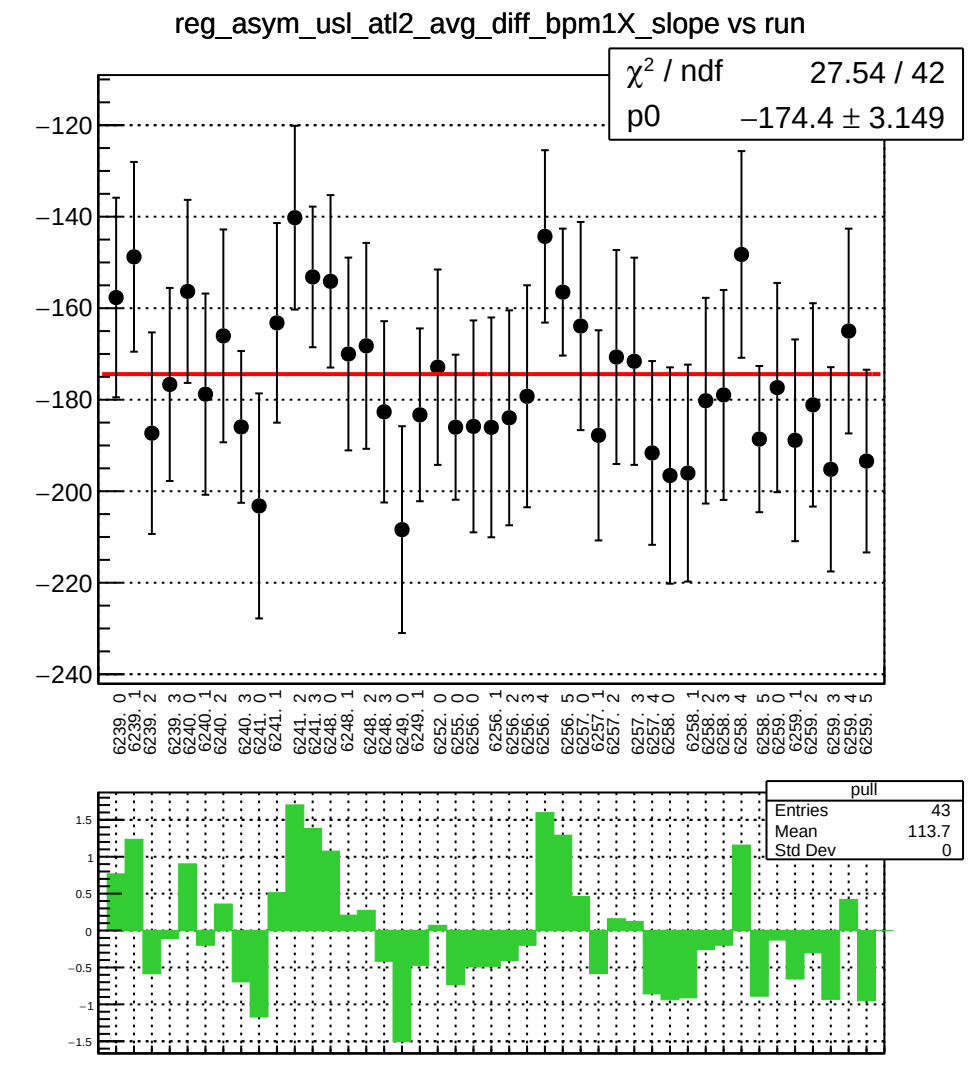

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.85 / 42
p0 −6.42 ± 1.376
pull
Entries 43
Mean 196
Std Dev 0
pull1D
Entries 43
Mean −0.04628
Std Dev 1.37

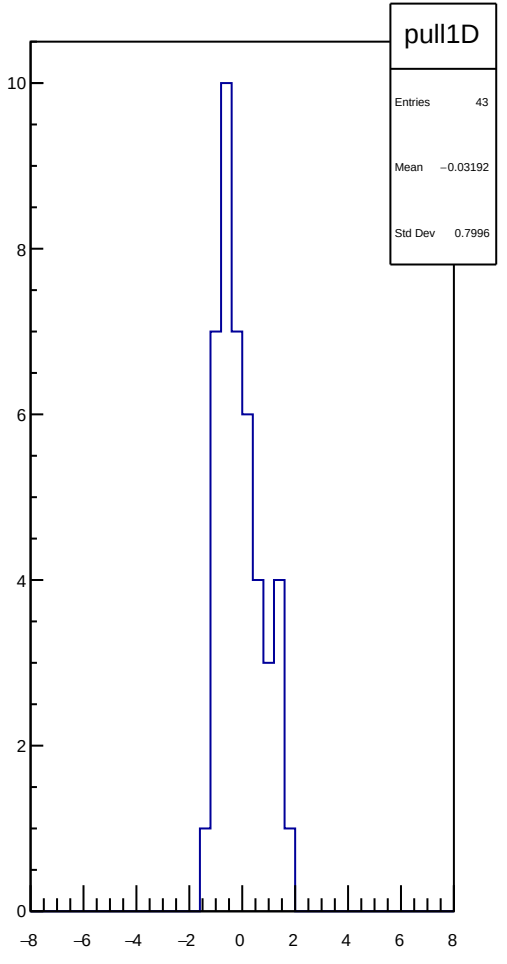

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.46 / 42
p0 −24 ± 1.374
pull
Entries 43
Mean −285.2
Std Dev 0
pull1D
Entries 43
Mean 0.02613
Std Dev 1.185

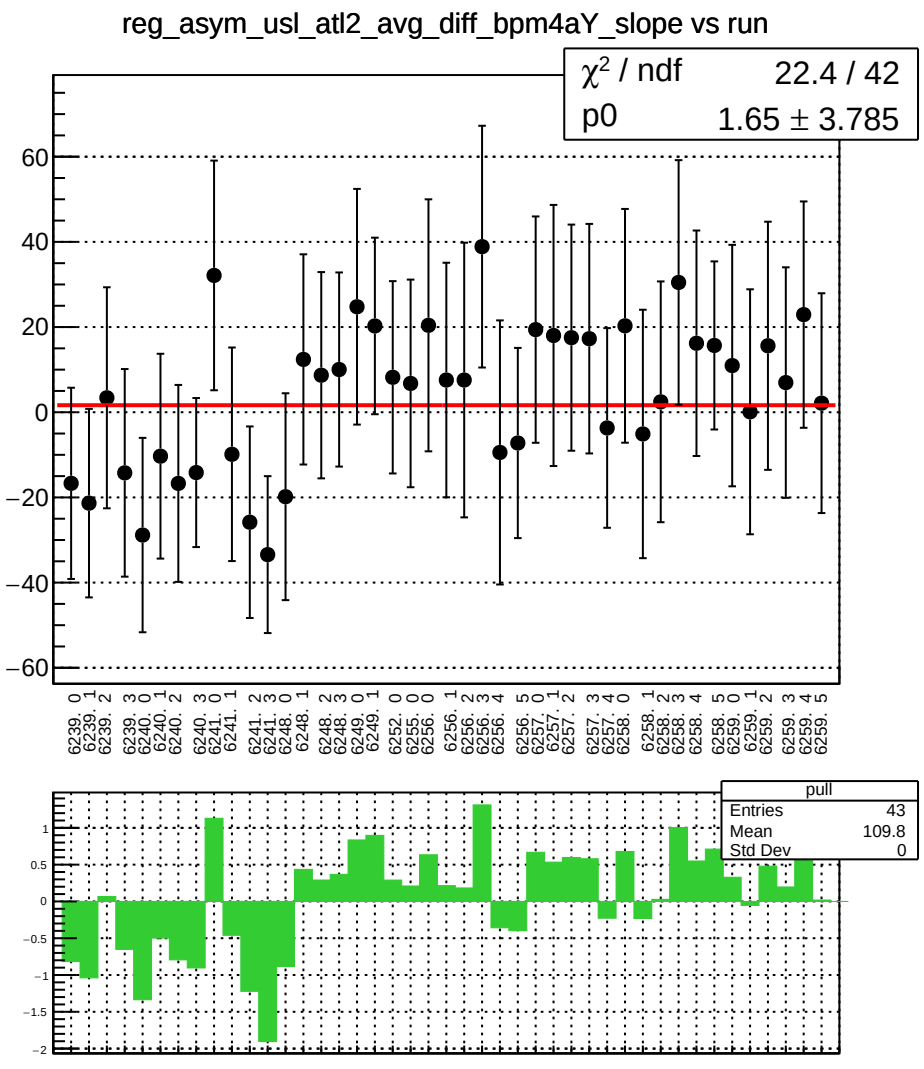

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.52 / 42
p0 22.11 ± 1.505
pull
Entries 43
Mean 182.1
Std Dev 0
pull1D
Entries 43
Mean 0.0539
Std Dev 1.417

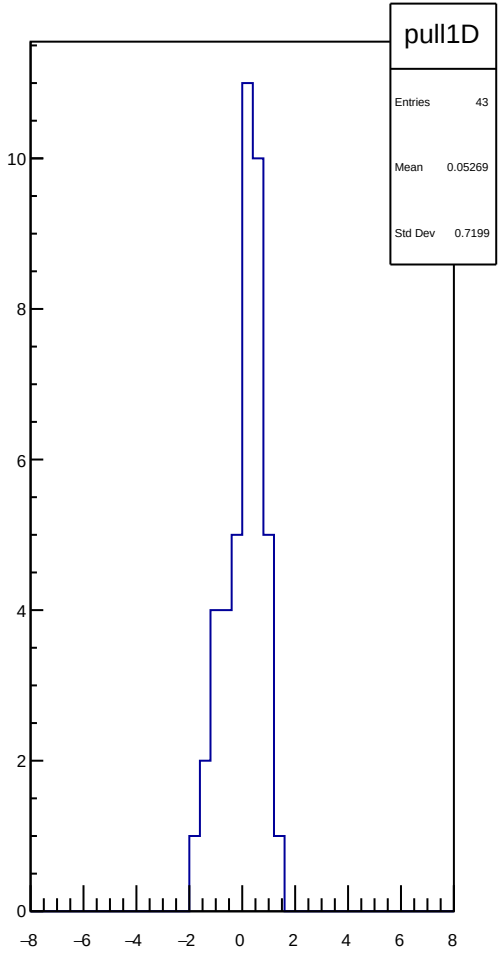

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 45.5 / 42
p0 −10.51 ± 0.1151
−8
−9
−10
−11
−12
−13
−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −88.03
Std Dev 0
2
1
0
−1
−2

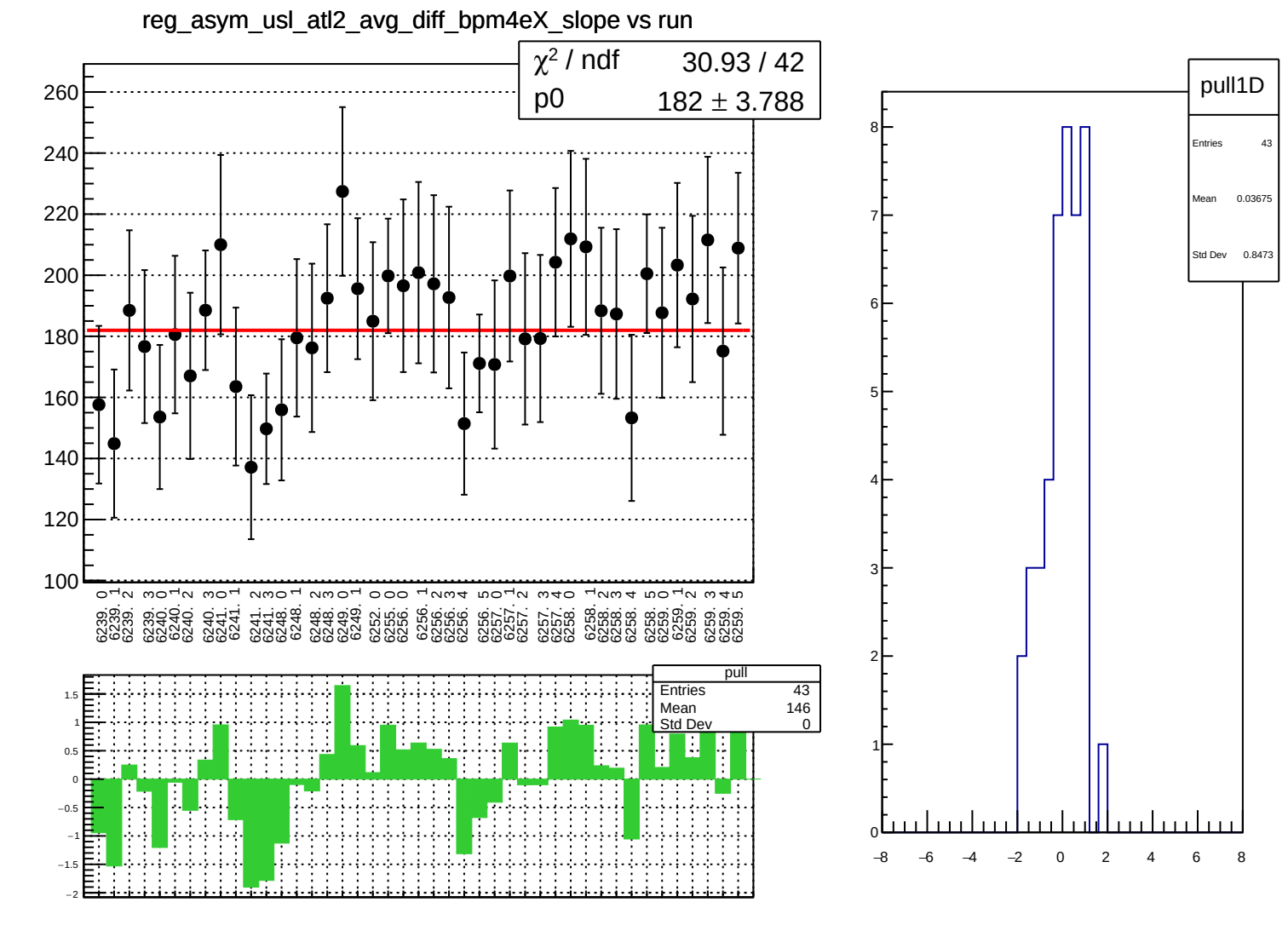

pull1D
Entries 43
Mean −0.02074
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

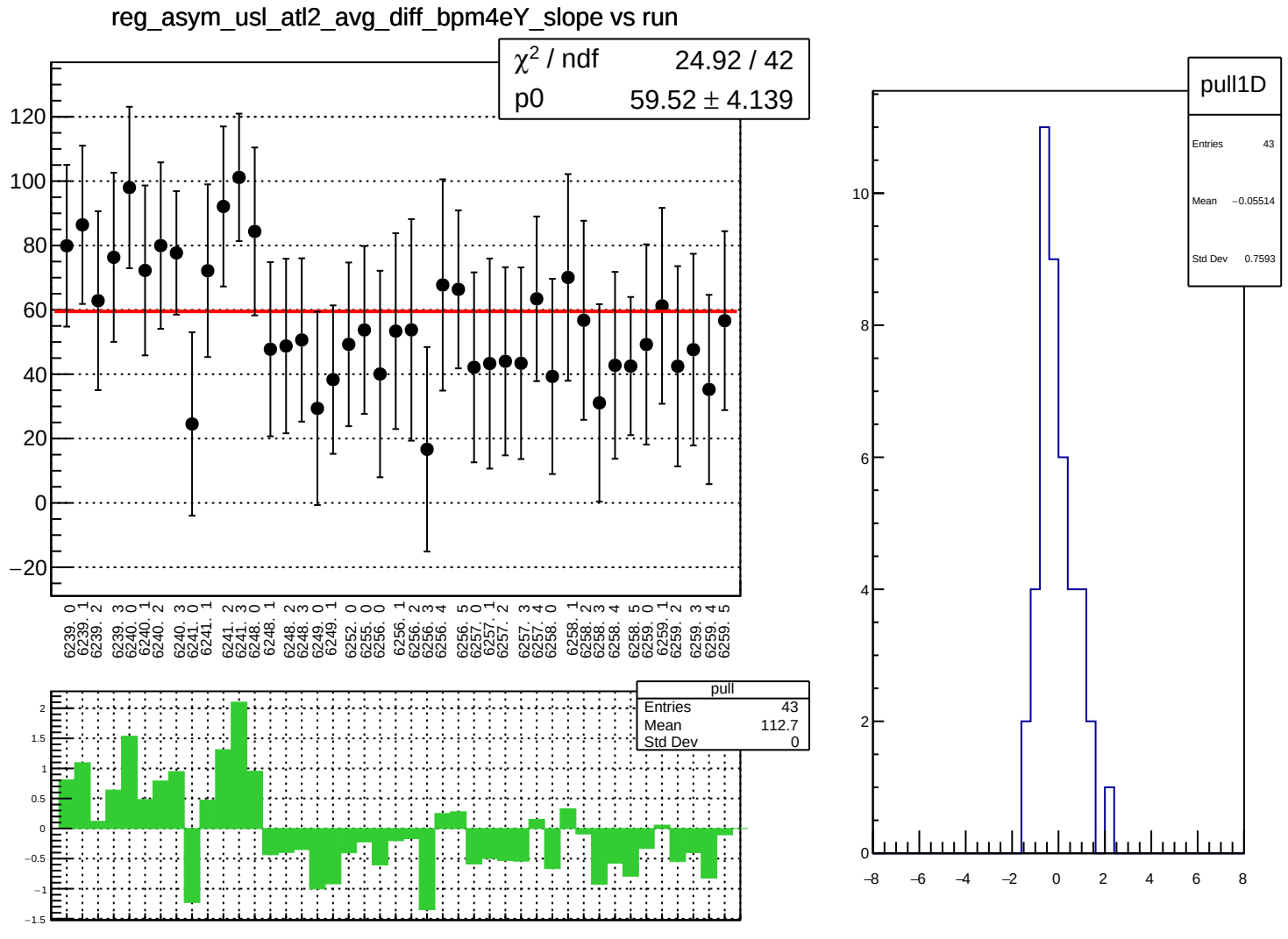

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 27.54 / 42
p0 −174.4 ± 3.149
−120
−140
−160
−180
−200
−220
−240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 113.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

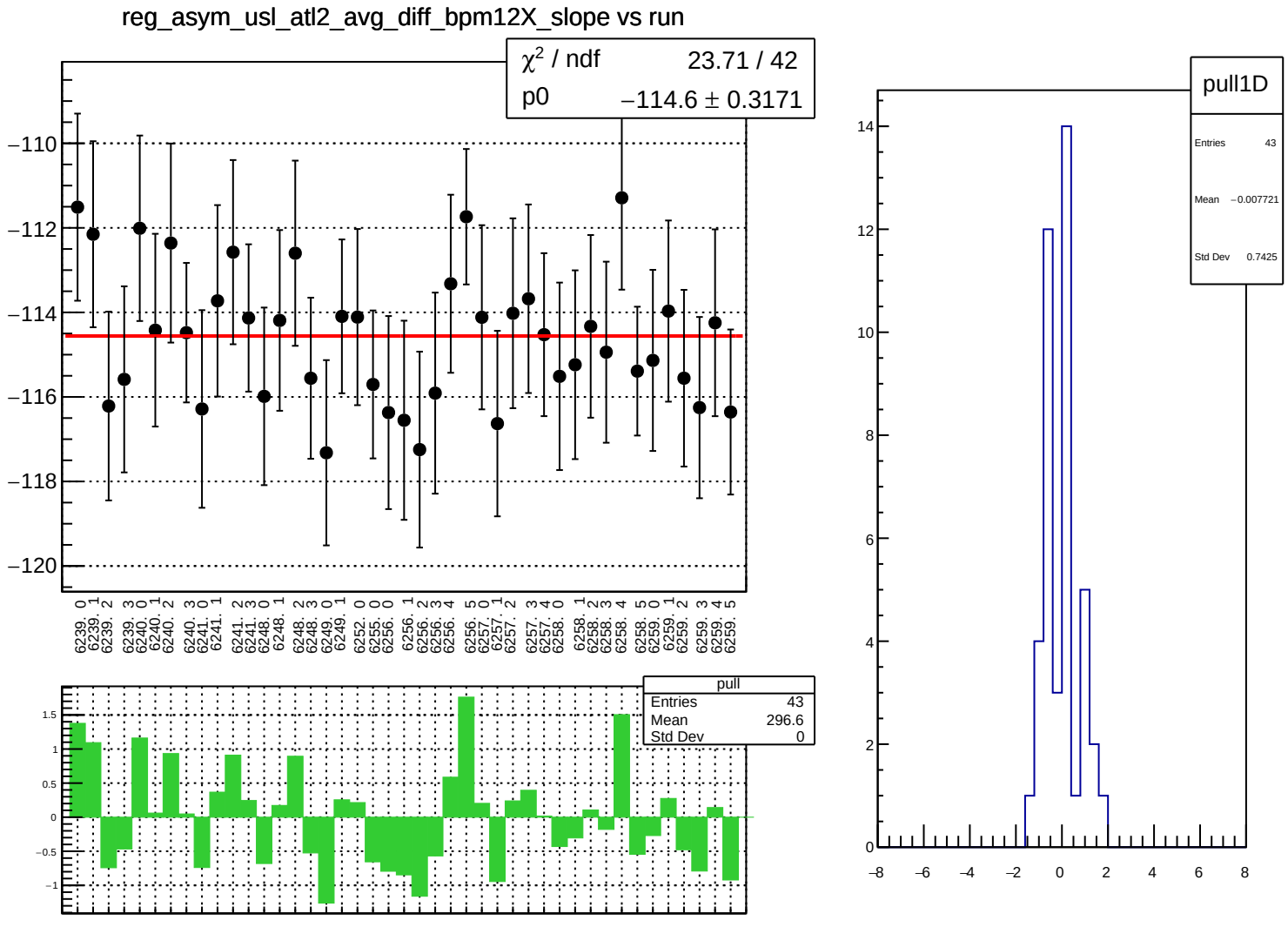

pull1D
Entries 43
Mean −0.03192
Std Dev 0.7996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

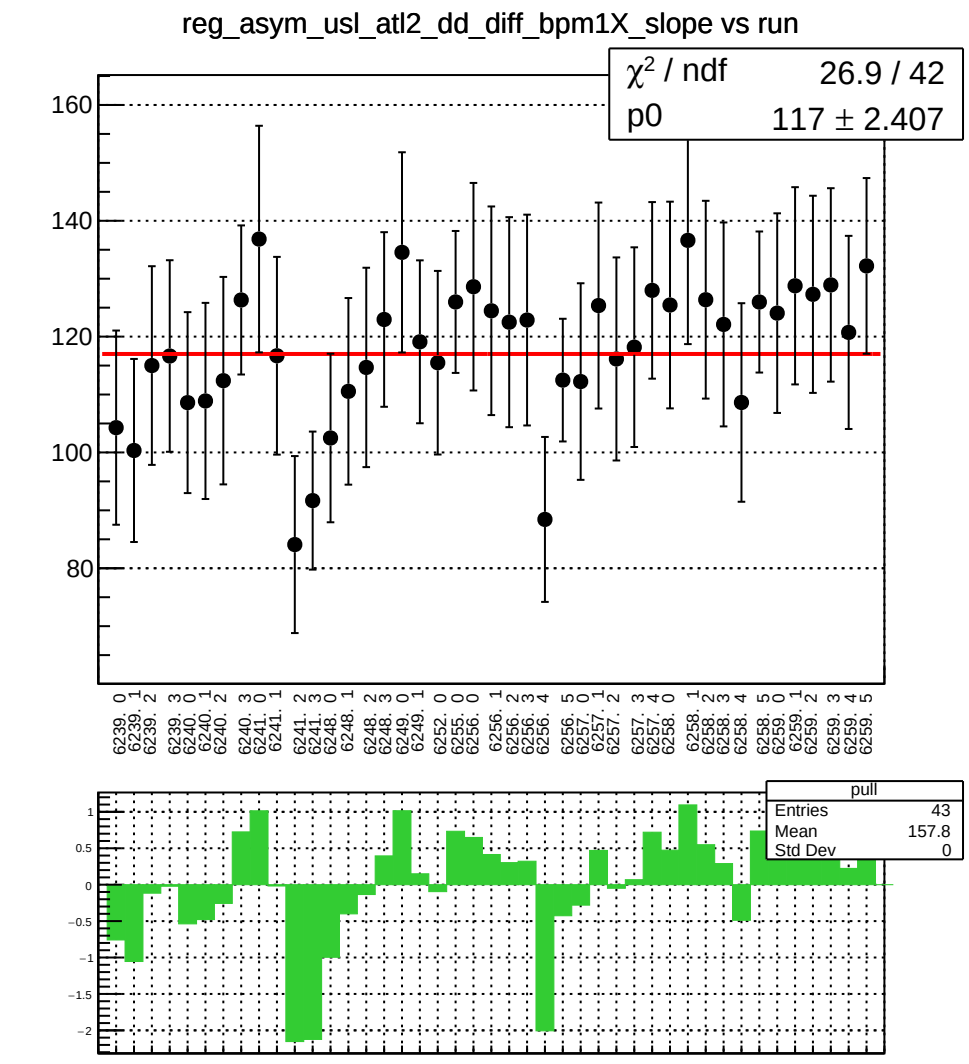

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.4 / 42
p0 1.65 ± 3.785
pull
Entries 43
Mean 109.8
Std Dev 0

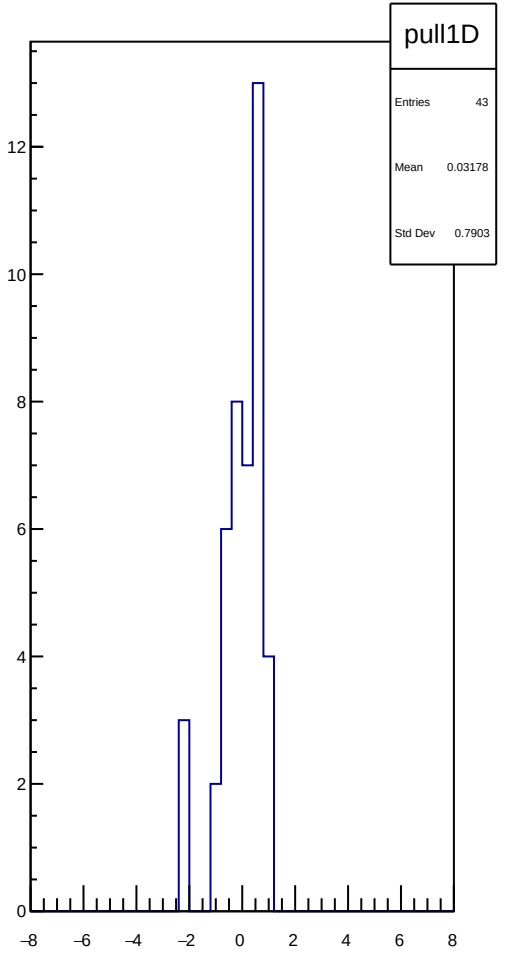

pull1D
Entries 43
Mean 0.05269
Std Dev 0.7199

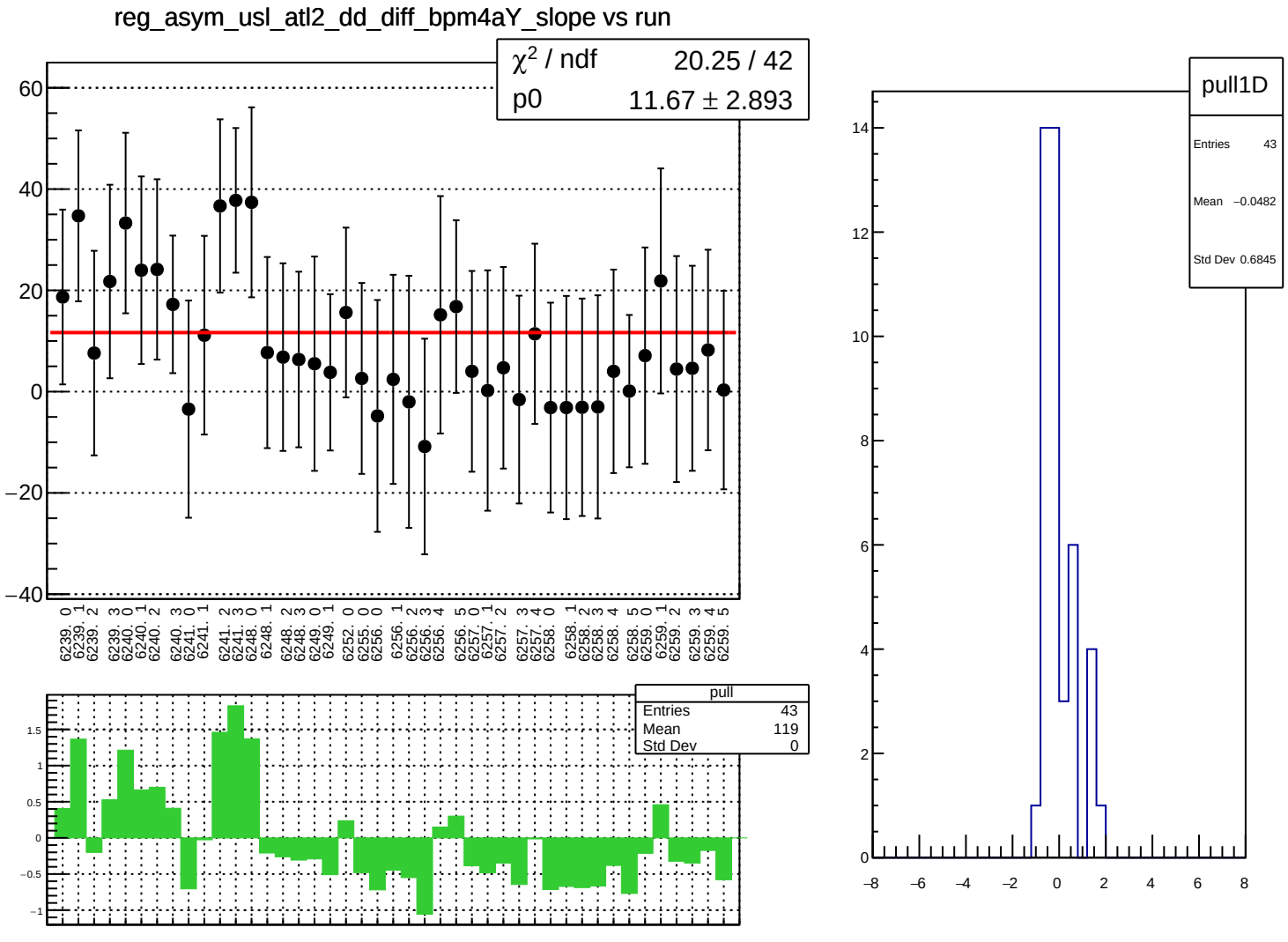

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.93 / 42
p0 182 ± 3.788
pull
Entries 43
Mean 146
Std Dev 0
pull1D
Entries 43
Mean 0.03675
Std Dev 0.8473

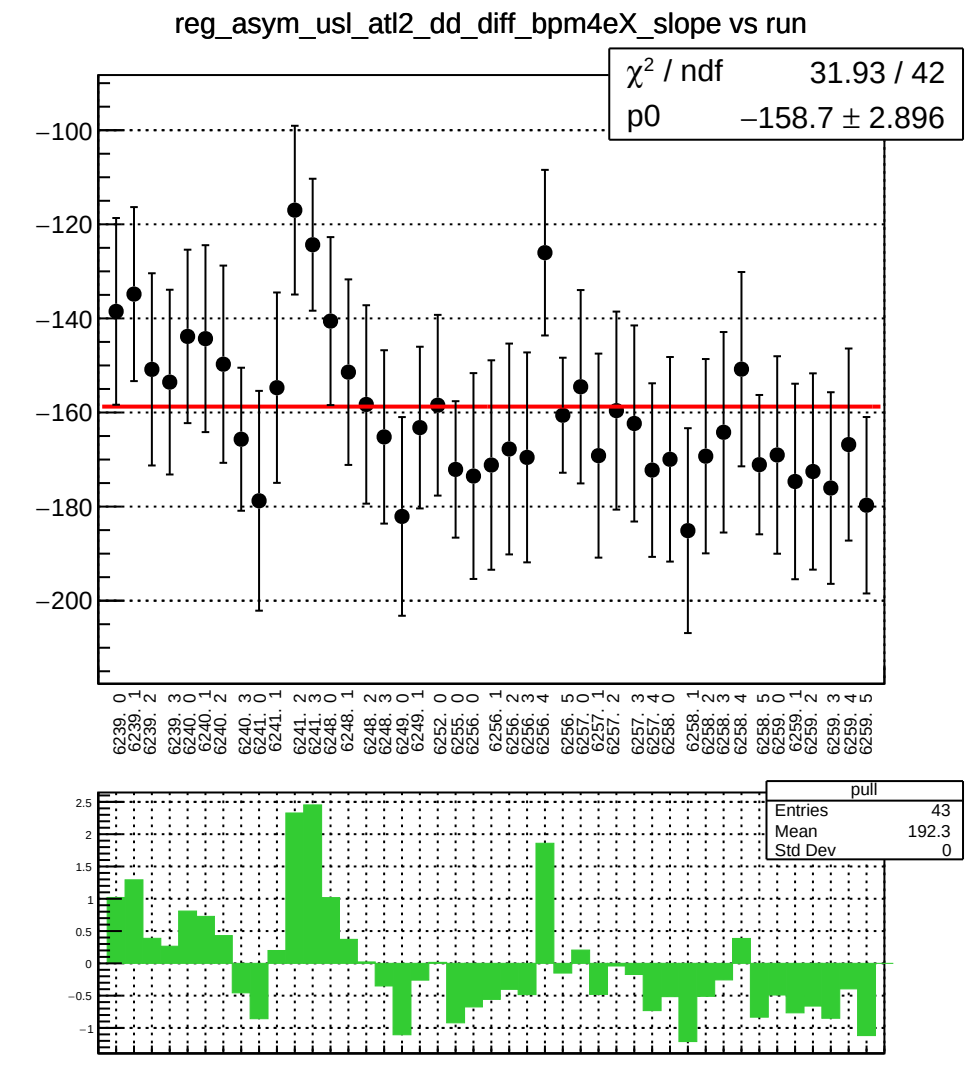

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.92 / 42
p0 59.52 ± 4.139
120
100
80
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 112.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.05514
Std Dev 0.7593
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

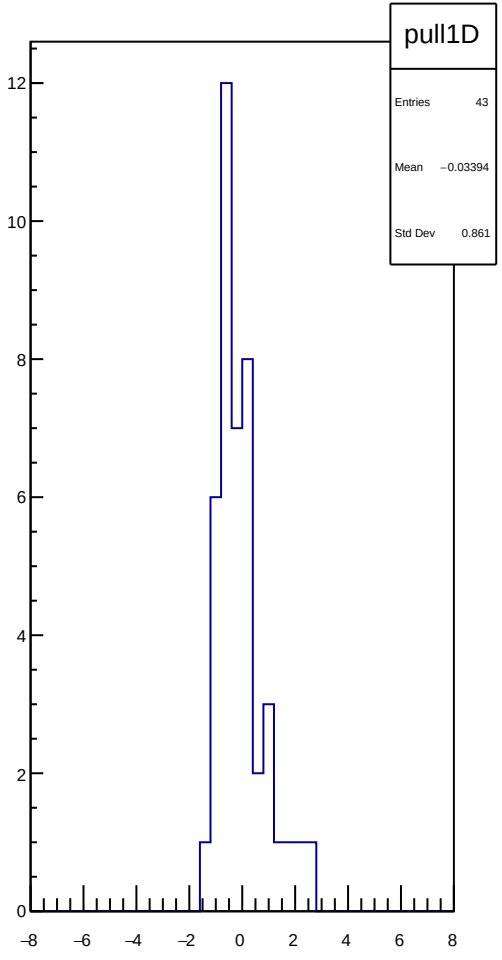

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.71 / 42
p0 −114.6 ± 0.3171
−110
−112
−114
−116
−118
−120
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 296.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.007721
Std Dev 0.7425
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

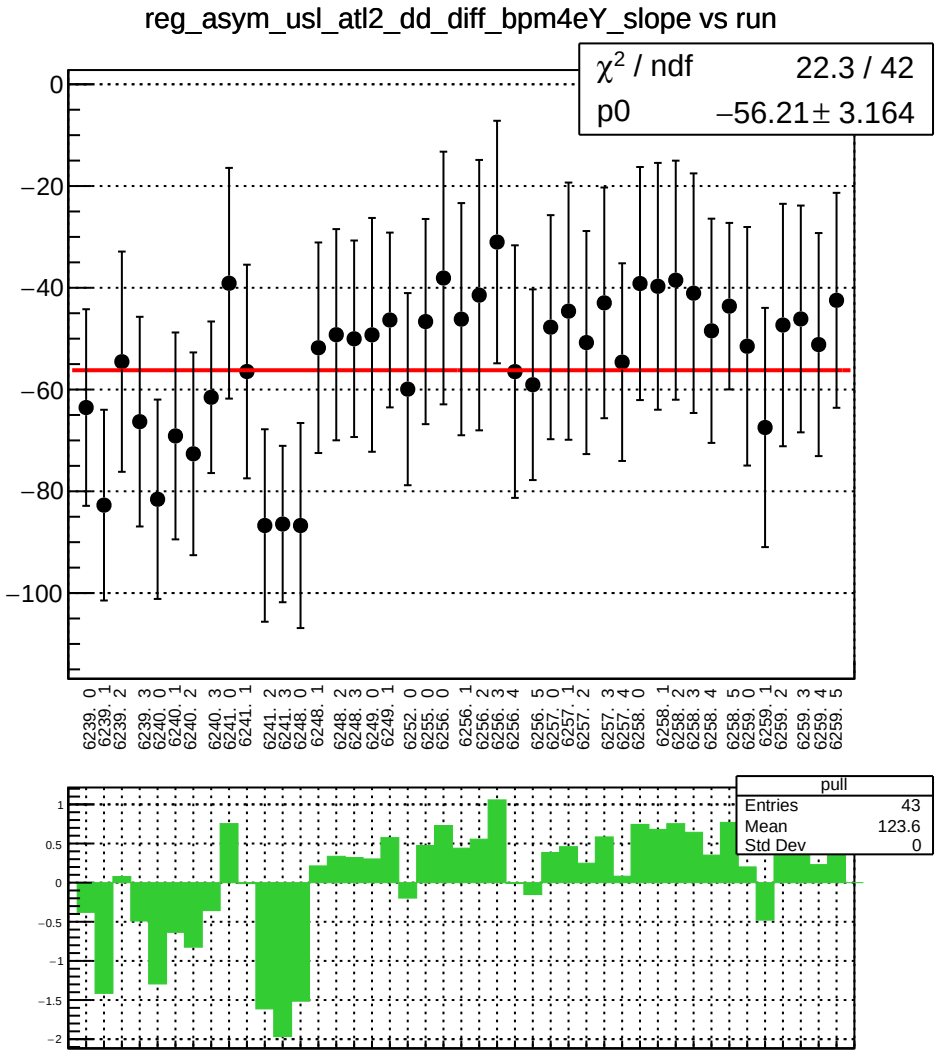

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.9 / 42
p0 117 ± 2.407
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 157.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

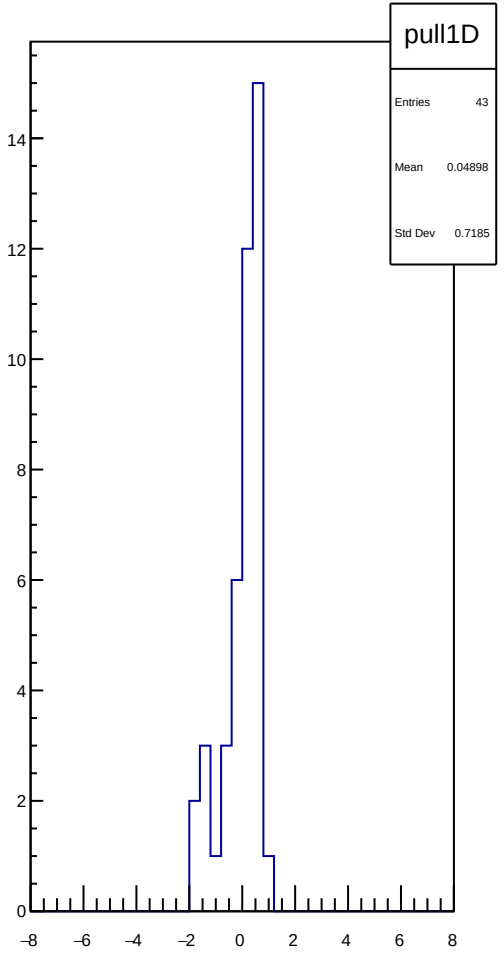

pull1D
Entries 43
Mean 0.03178
Std Dev 0.7903
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

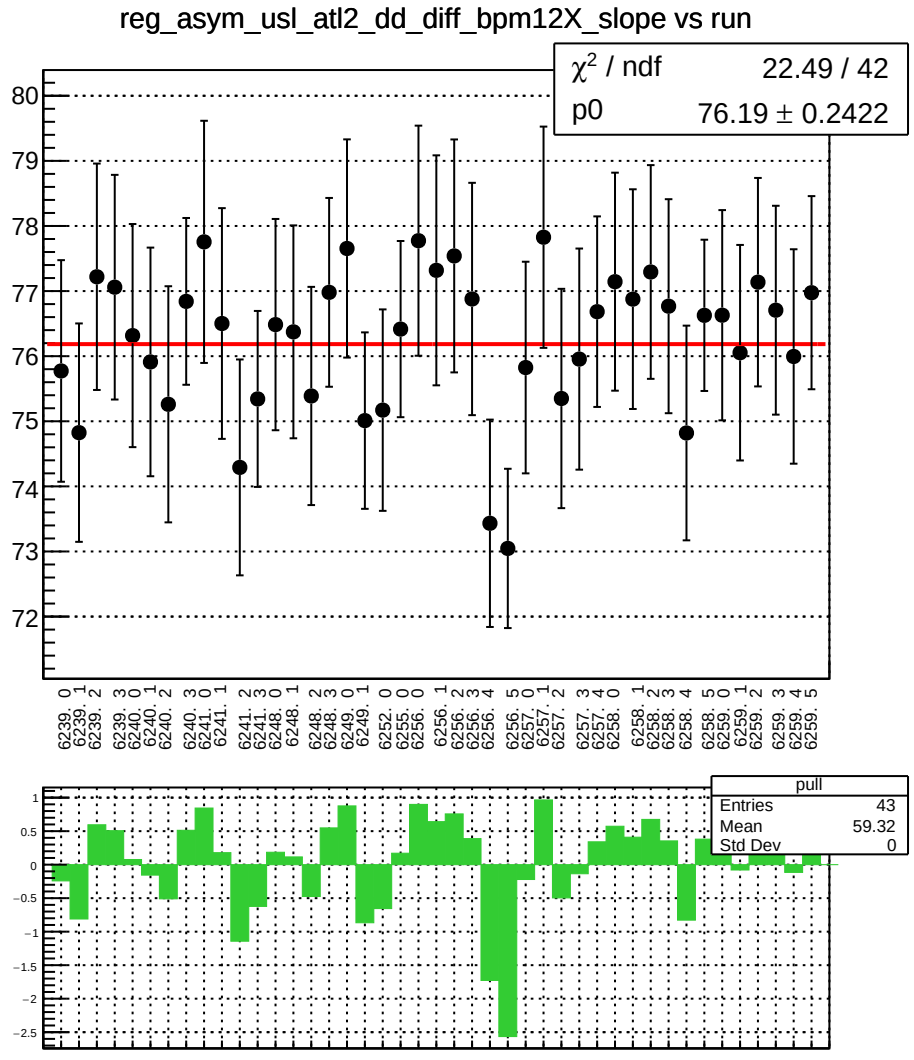

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.25 / 42
p0 11.67 ± 2.893
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 119
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.0482
Std Dev 0.6845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

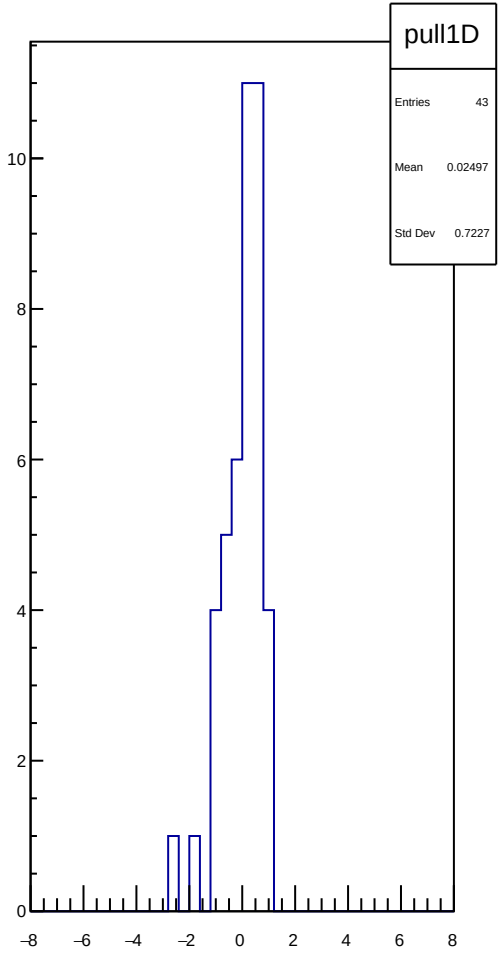

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.93 / 42
p0 −158.7 ± 2.896
−100
−120
−140
−160
−180
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 192.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

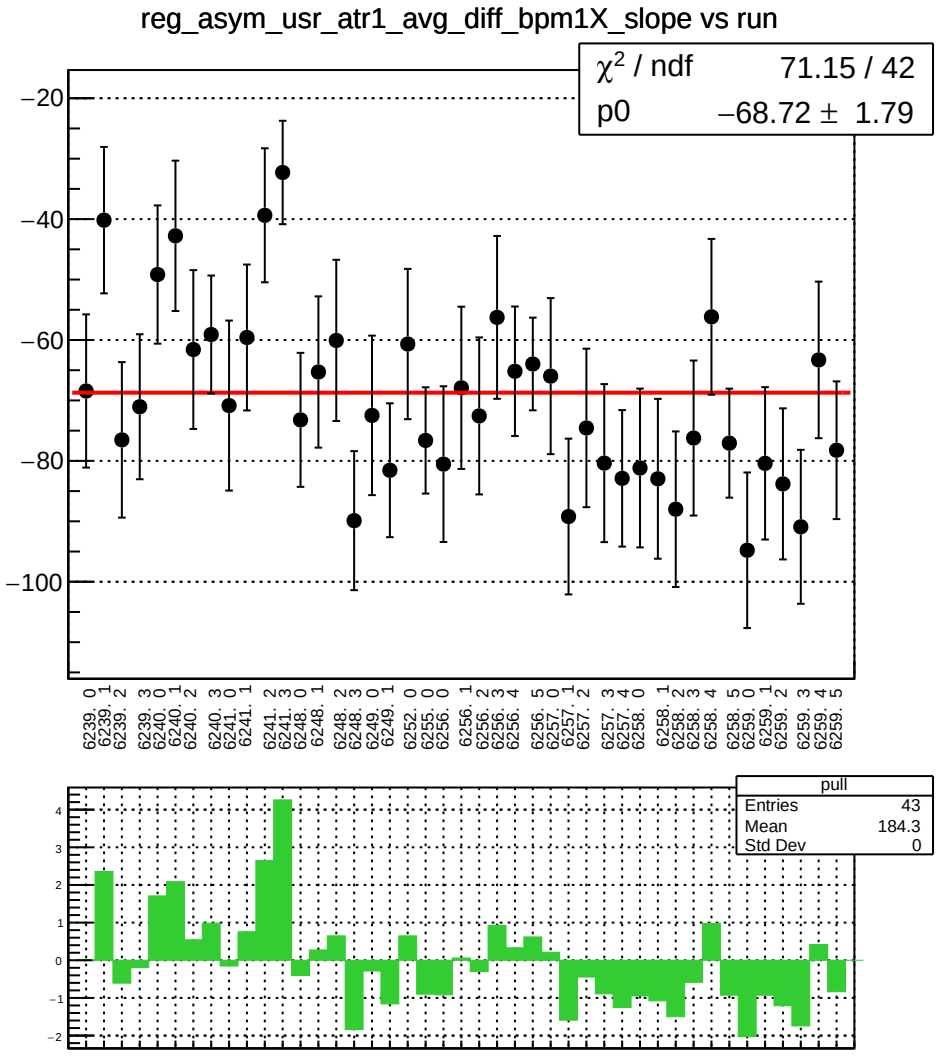

pull1D
Entries 43
Mean −0.03394
Std Dev 0.861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

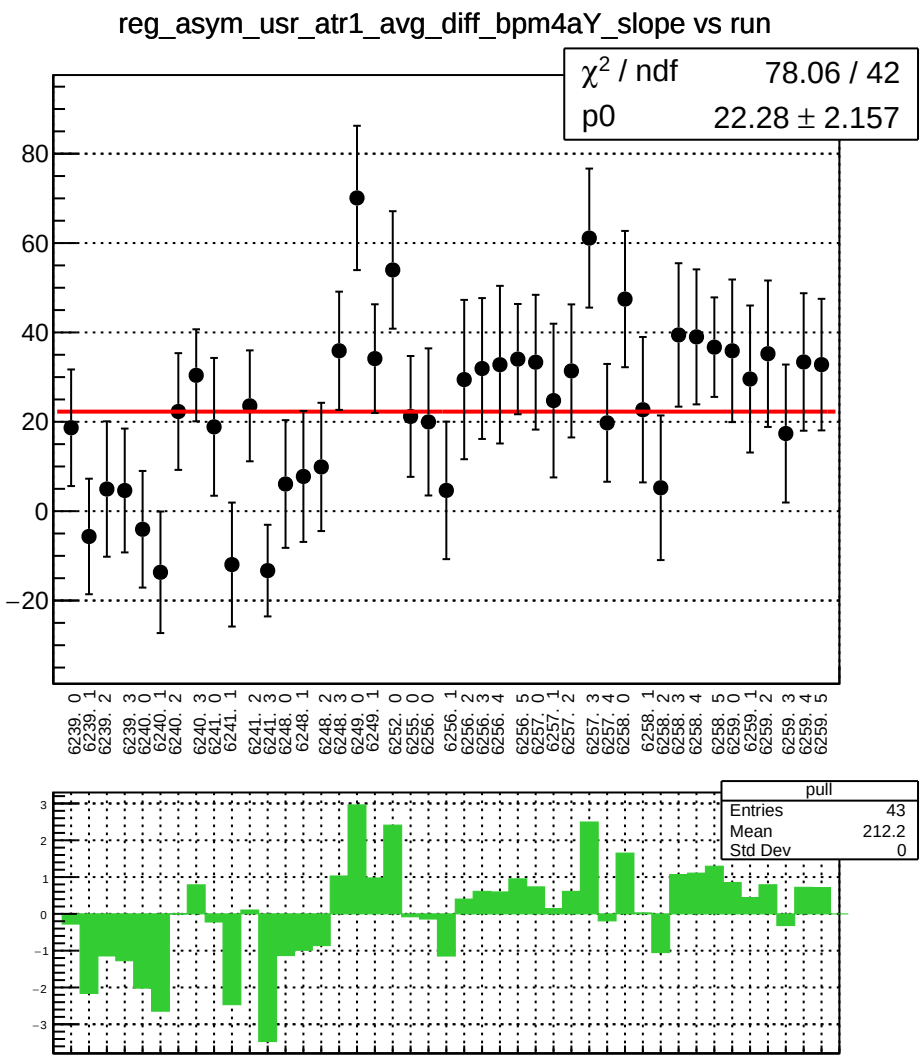

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.3 / 42
p0 −56.21 ± 3.164
pull
Entries 43
Mean 123.6
Std Dev 0

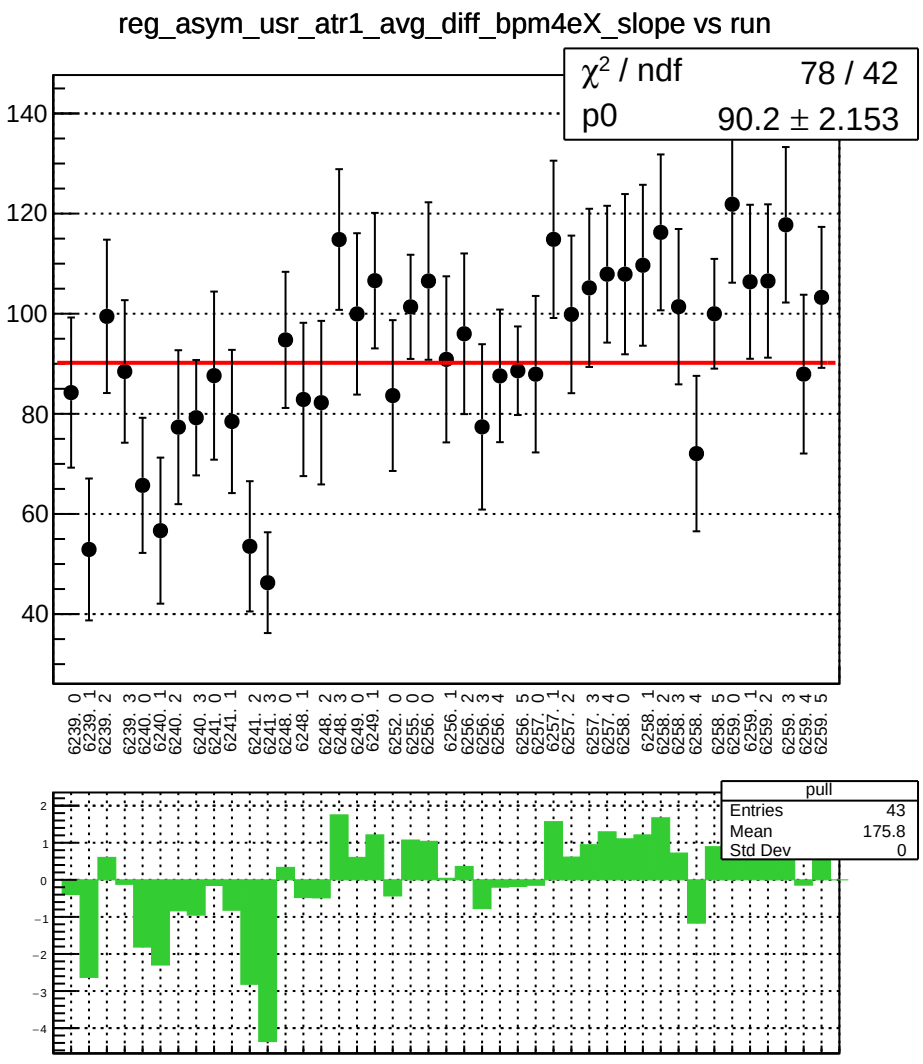

pull1D
Entries 43
Mean 0.04898
Std Dev 0.7185

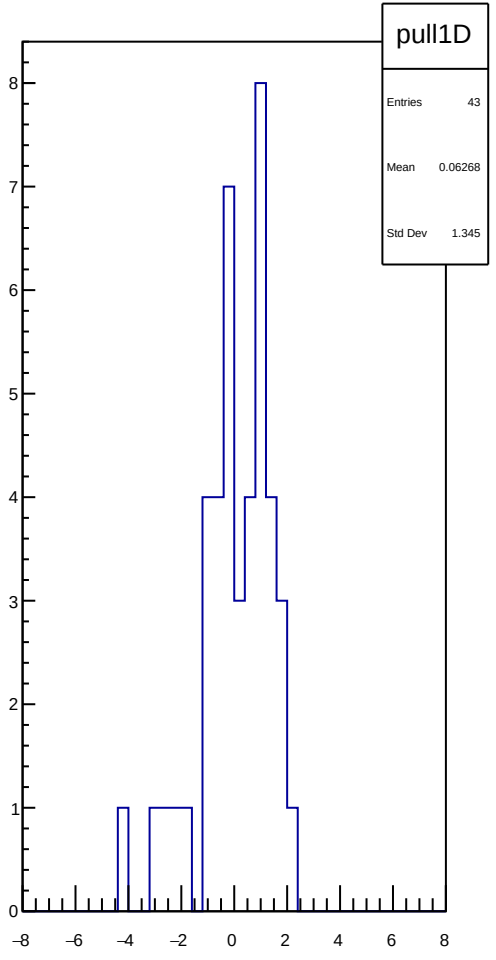

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.49 / 42
p0 76.19 ± 0.2422
80
79
78
77
76
75
74
73
72
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 59.32
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

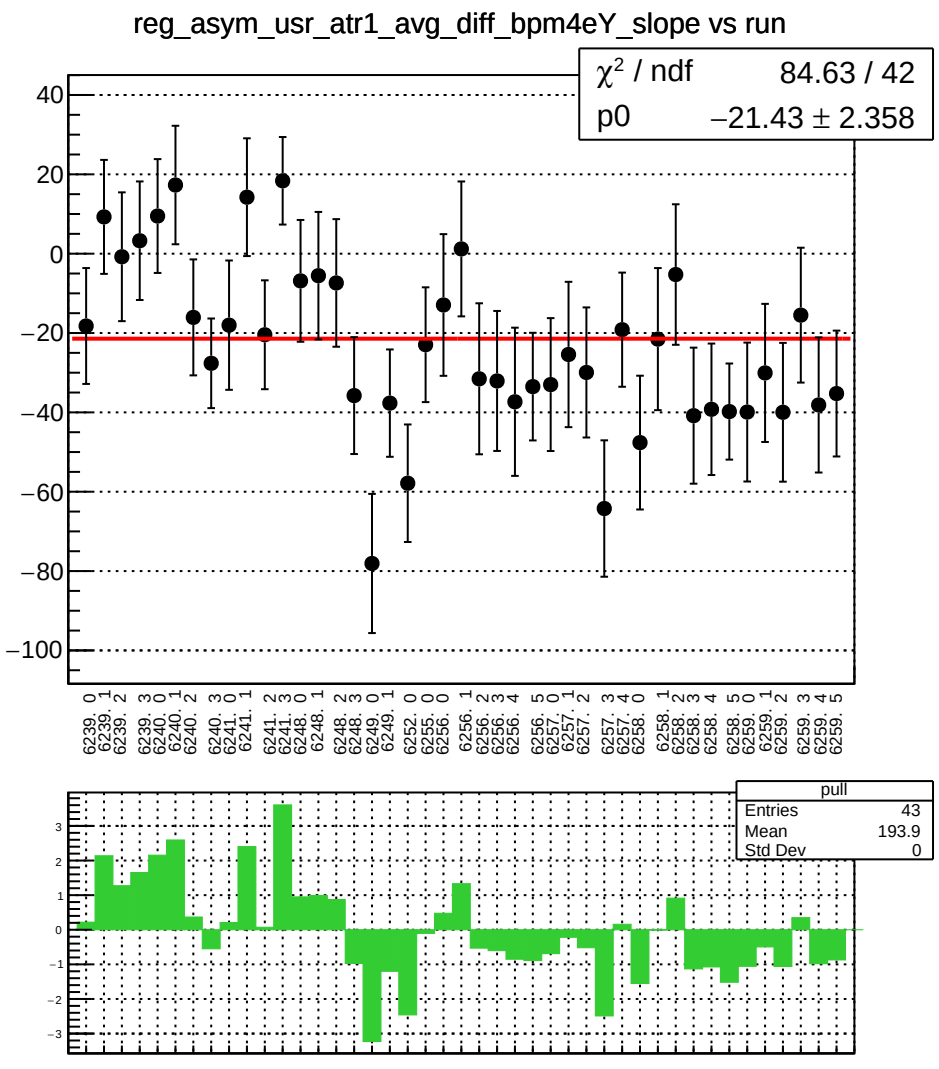

pull1D
Entries 43
Mean 0.02497
Std Dev 0.7227
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

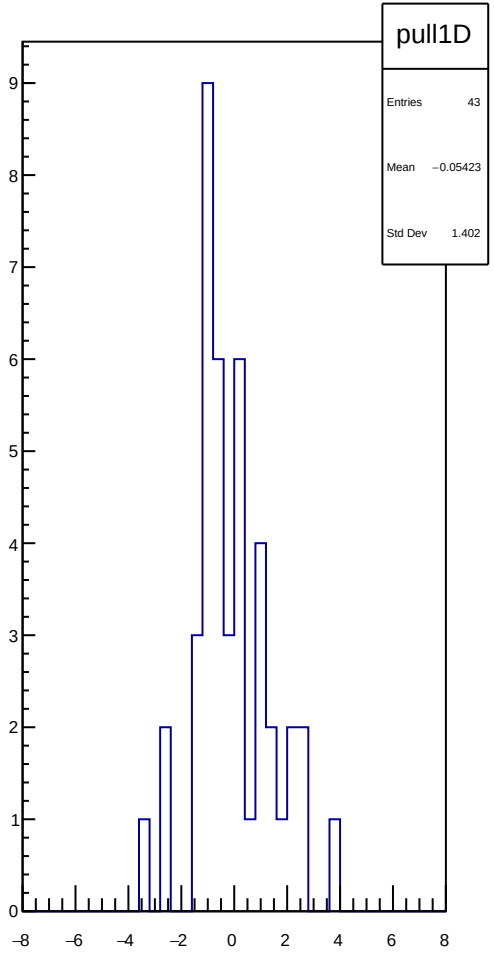

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 71.15 / 42
p0 −68.72 ± 1.79
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 184.3
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05218
Std Dev 1.285
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

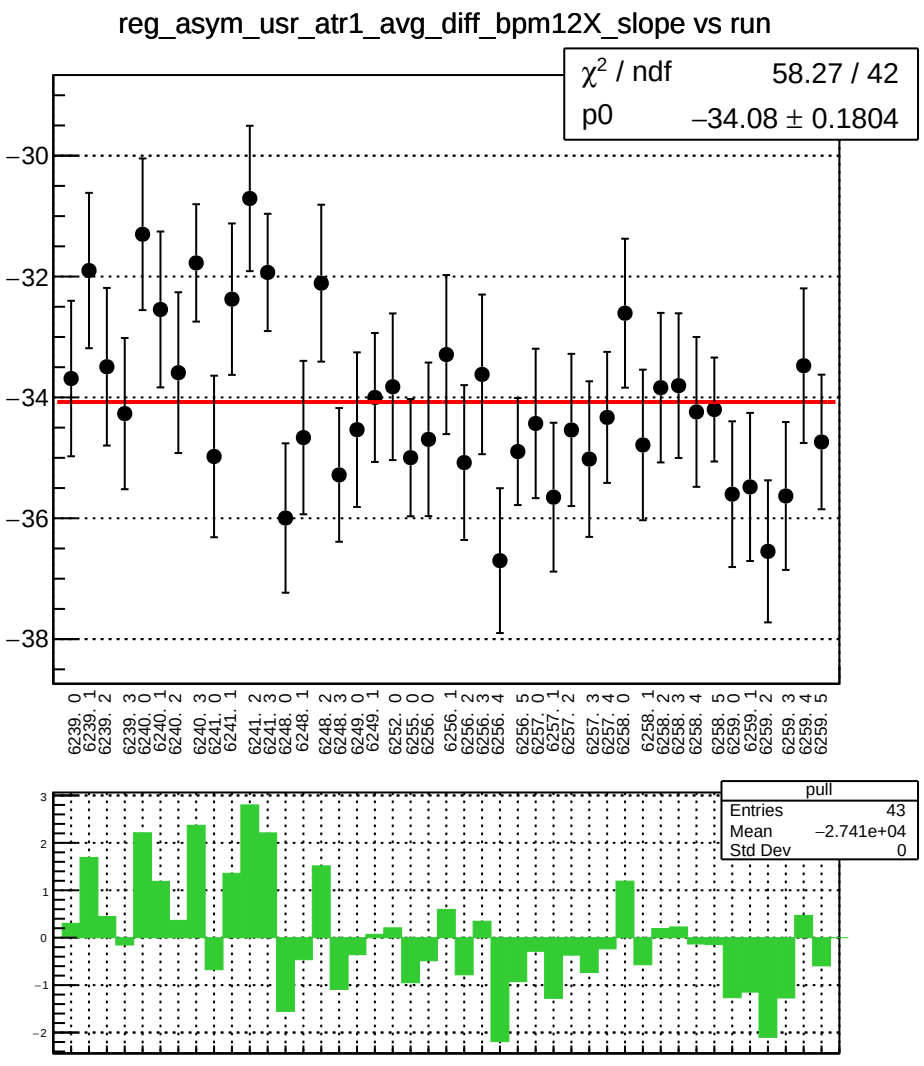

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.06 / 42
p0 22.28 ± 2.157
80
60
40
20
0
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 212.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04436
Std Dev 1.347
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

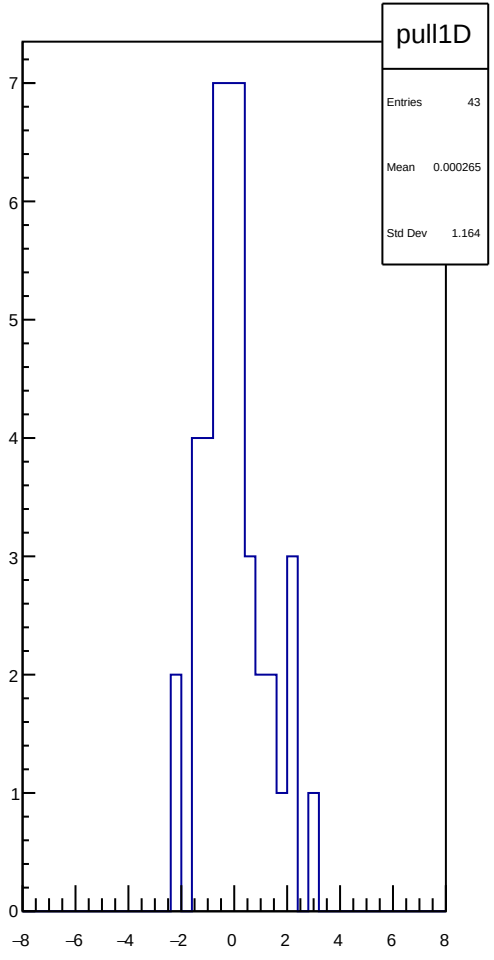

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 78 / 42
p0 90.2 ± 2.153
140
120
100
80
60
40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 175.8
Std Dev 0
2
1
0
−1
−2
−3
−4

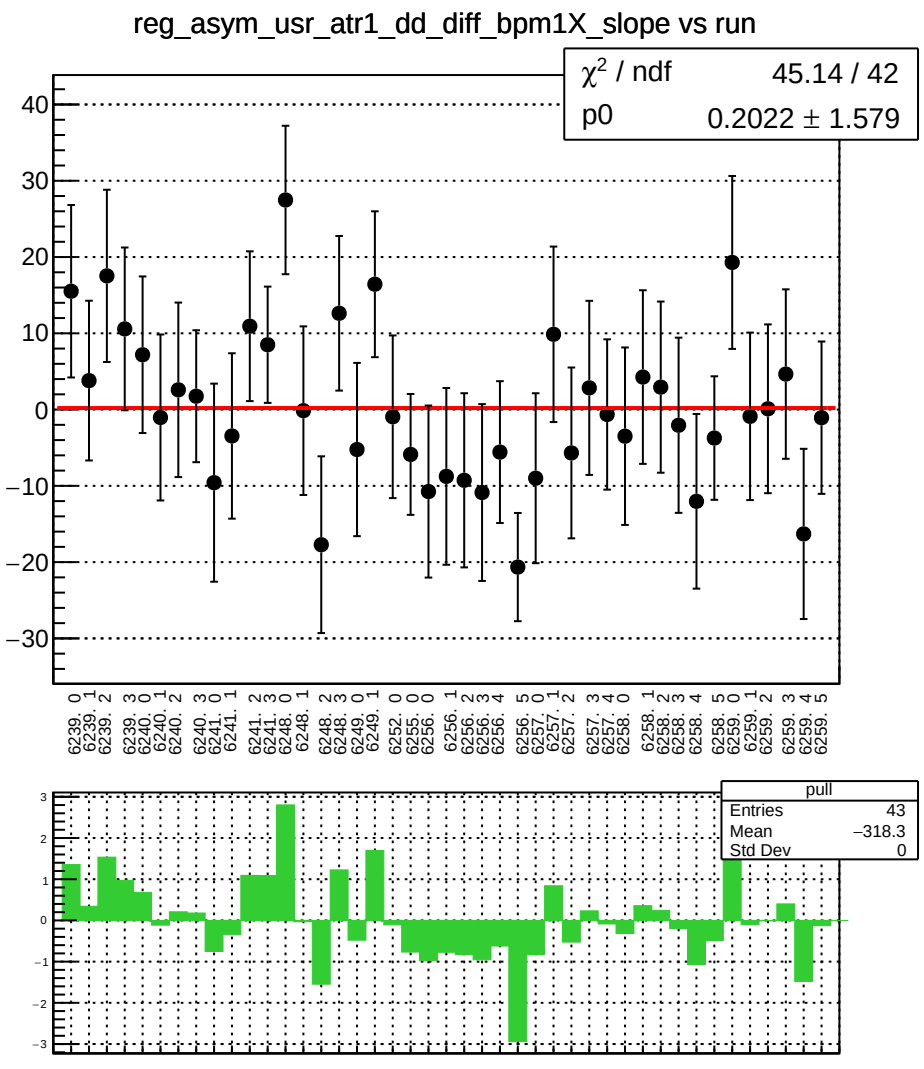

pull1D
Entries 43
Mean 0.06268
Std Dev 1.345
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

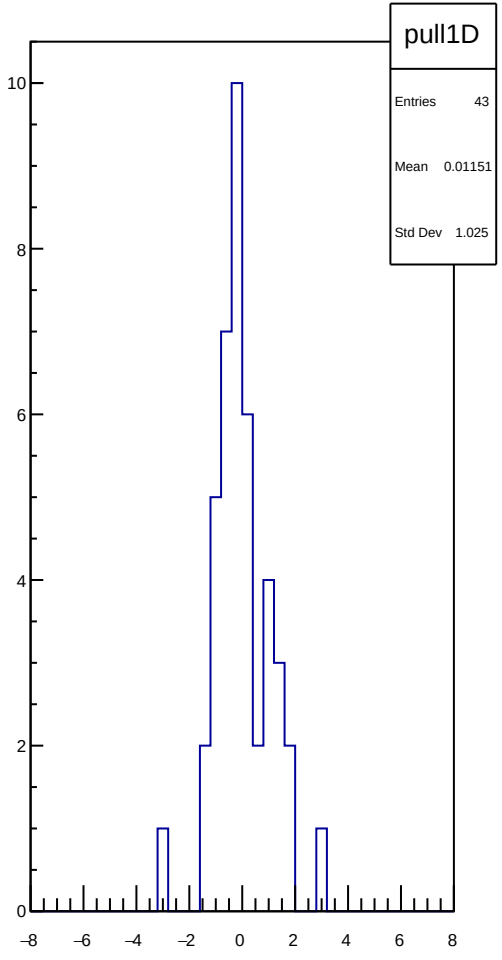

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.63 / 42
p0 −21.43 ± 2.358
40
20
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 193.9
Std Dev 0
3
2
1
0
−1
−2
−3

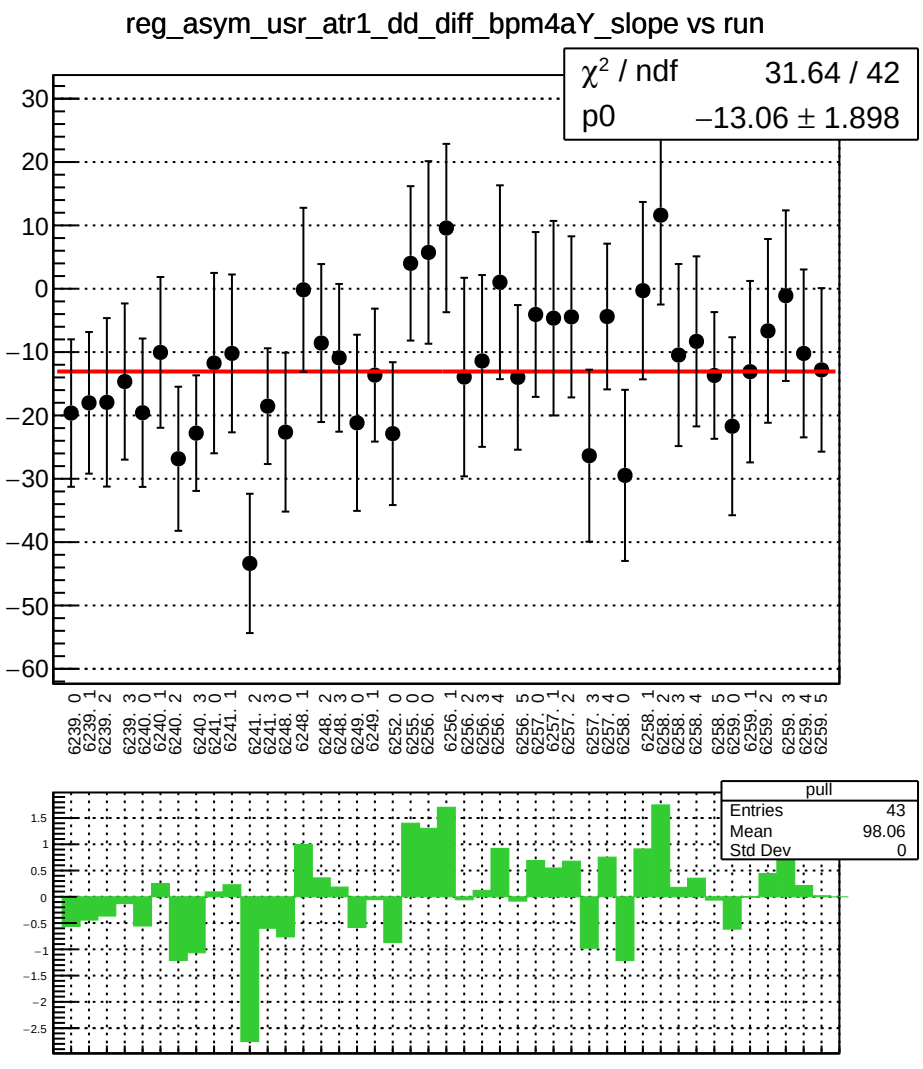

pull1D
Entries 43
Mean −0.05423
Std Dev 1.402
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

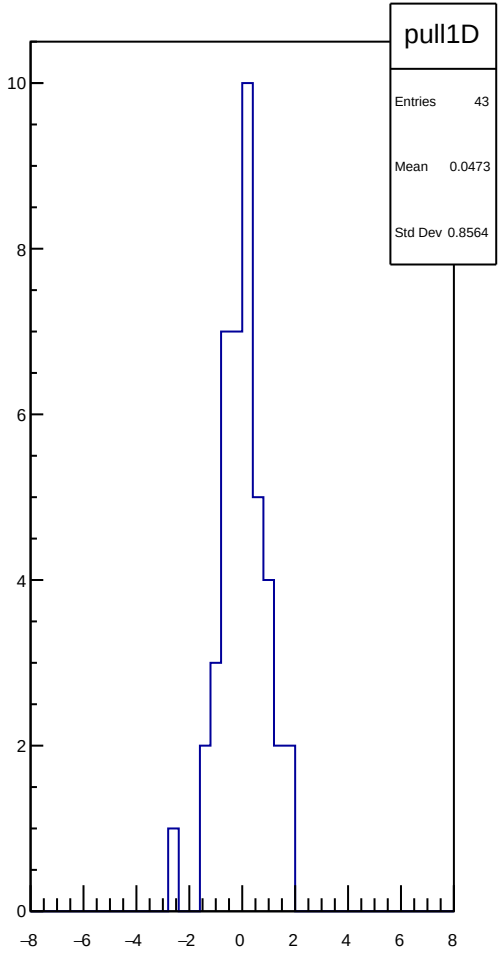

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 58.27 / 42
p0 −34.08 ± 0.1804
−30
−32
−34
−36
−38
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −2.741e+04
Std Dev 0
3
2
1
0
−1
−2

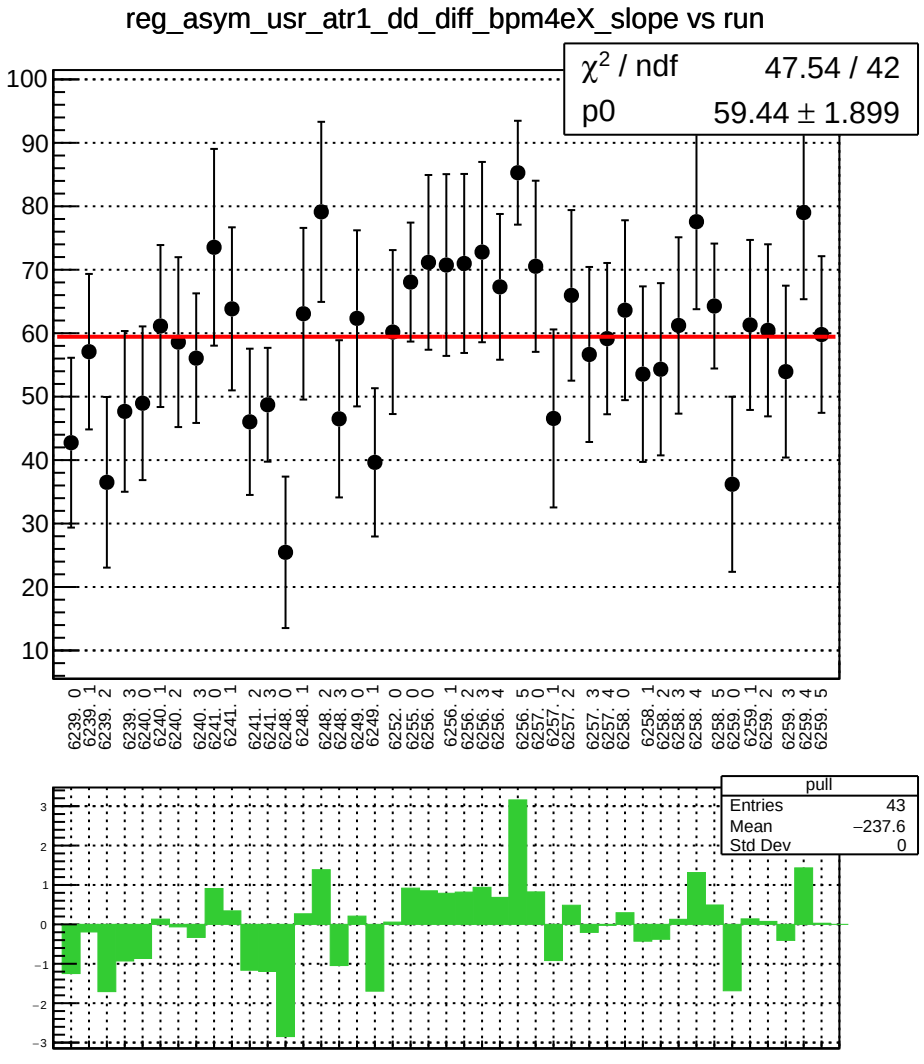

pull1D
Entries 43
Mean 0.000265
Std Dev 1.164
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

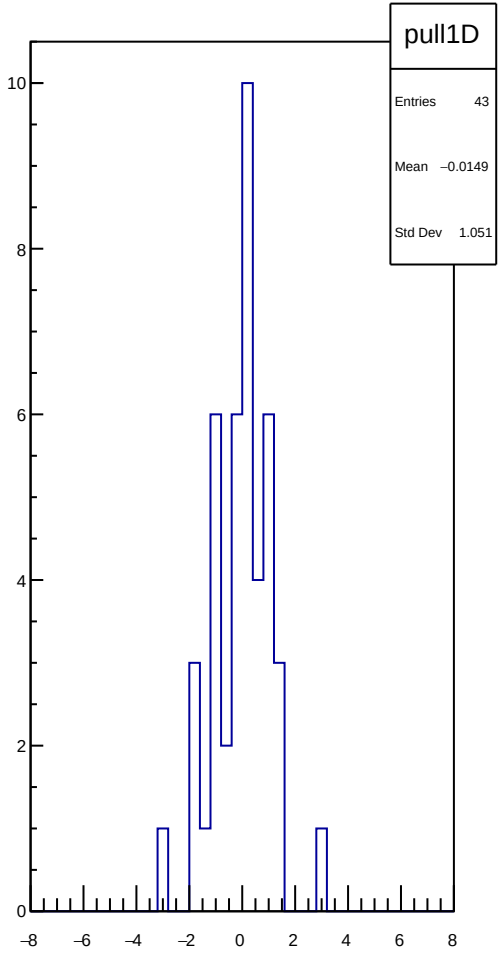

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 45.14 / 42
p0 0.2022 ± 1.579
40
30
20
10
0
−10
−20
−30
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −318.3
Std Dev 0
3
2
1
0
−1
−2
−3

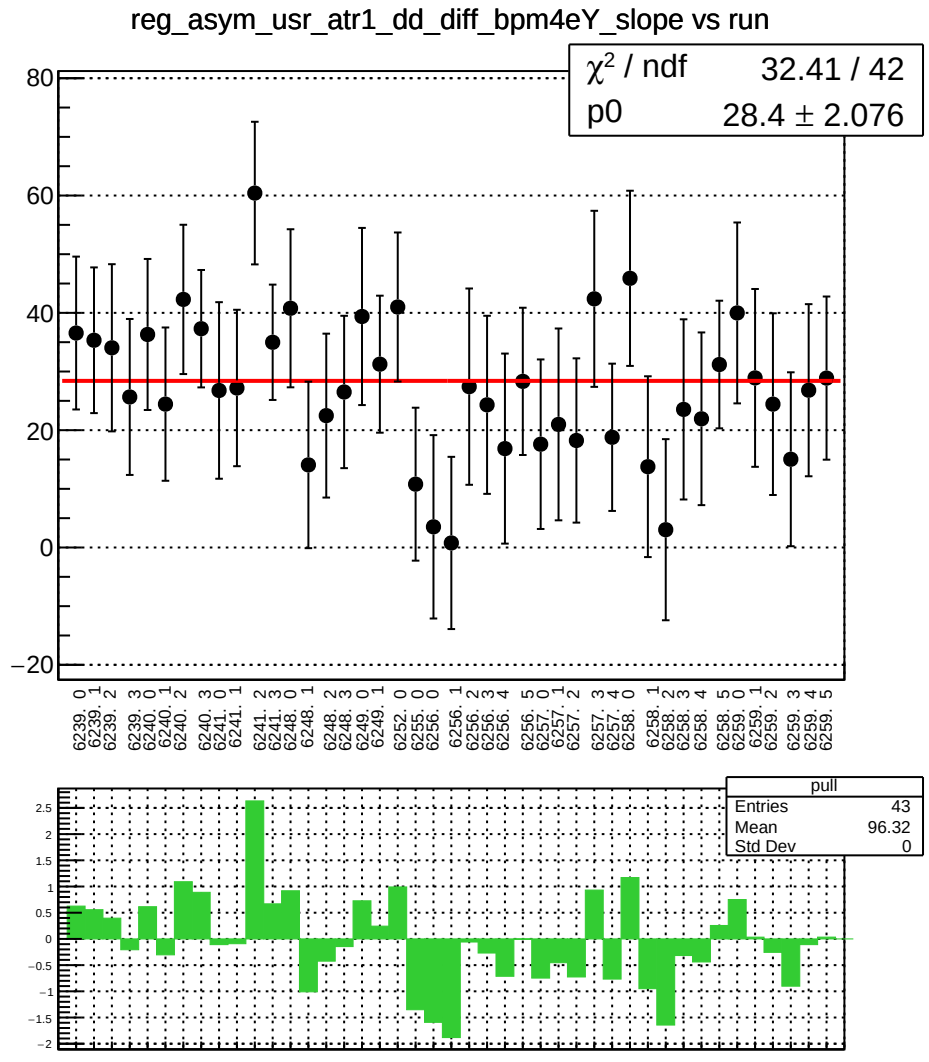

pull1D
Entries 43
Mean 0.01151
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

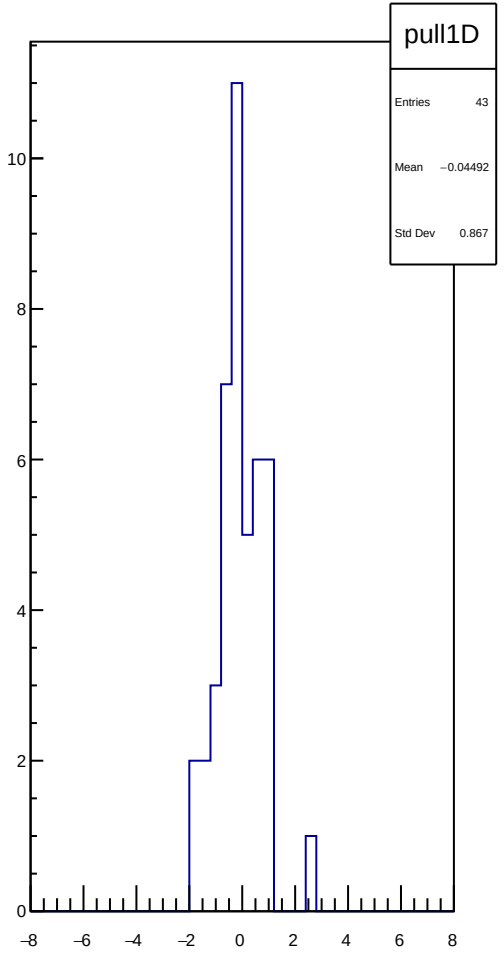

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.64 / 42
p0 −13.06 ± 1.898
pull
Entries 43
Mean 98.06
Std Dev 0

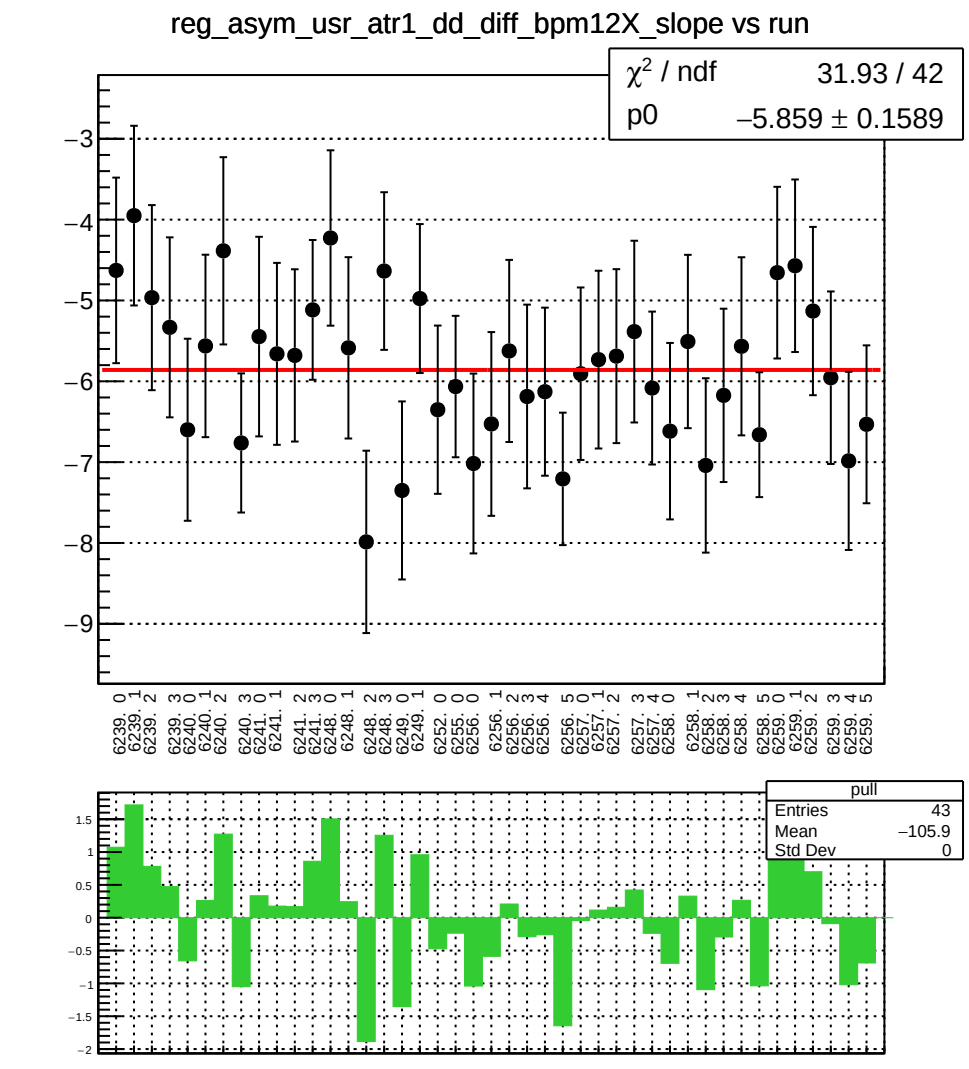

pull1D
Entries 43
Mean 0.0473
Std Dev 0.8564

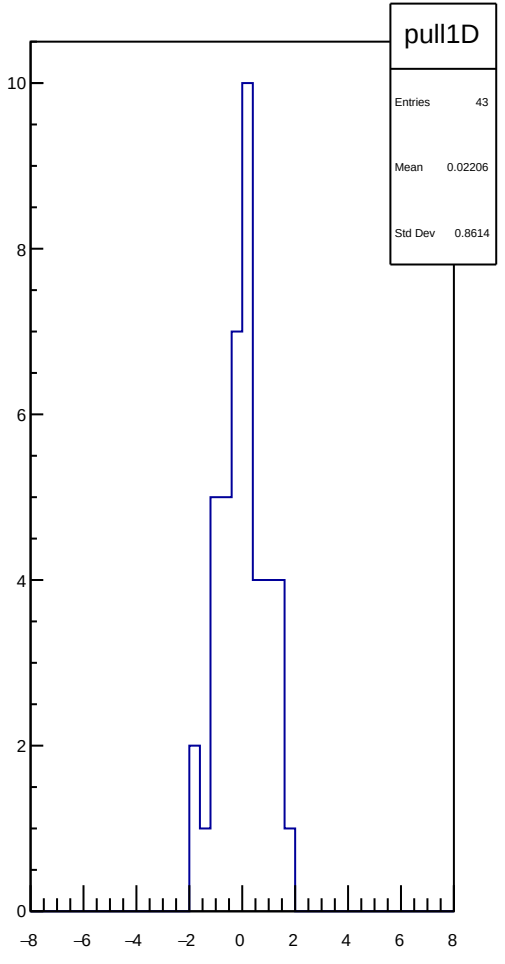

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.54 / 42
p0 59.44 ± 1.899
pull
Entries 43
Mean −237.6
Std Dev 0

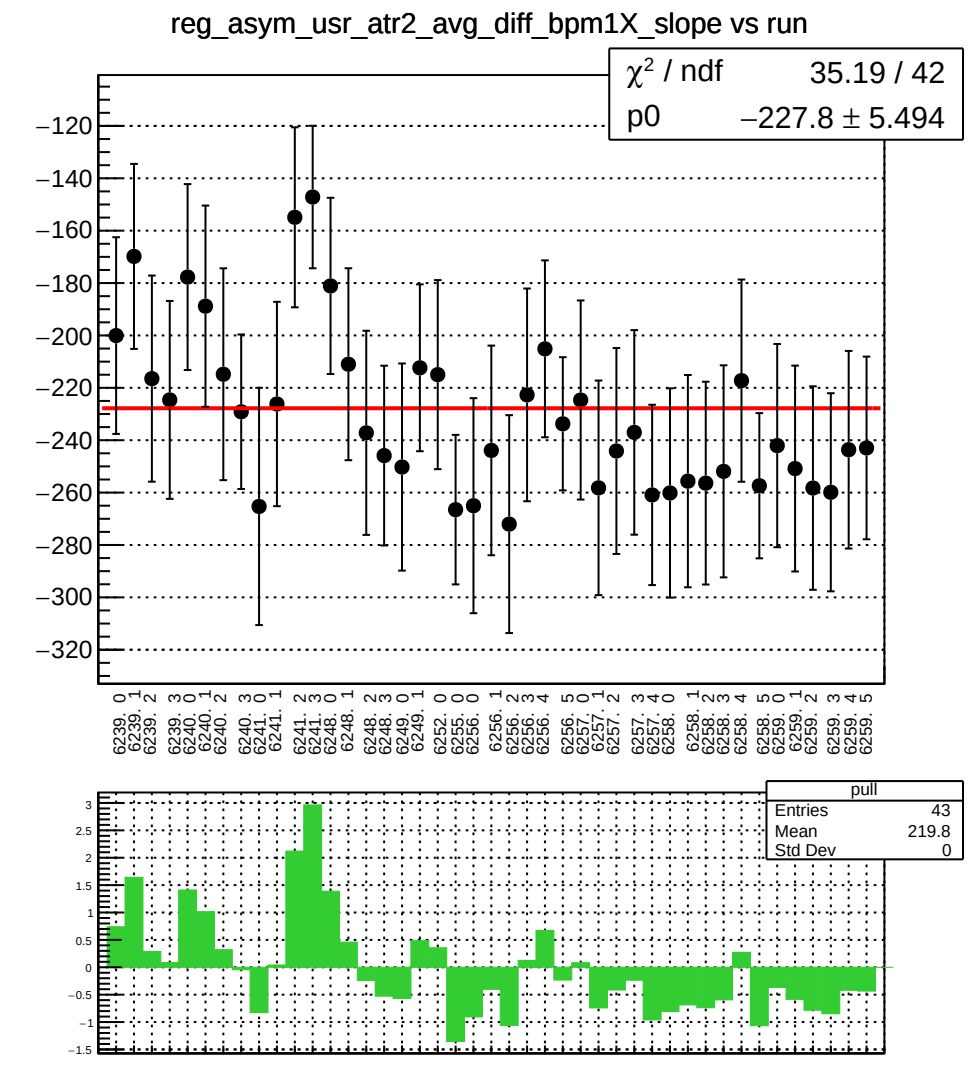

pull1D
Entries 43
Mean −0.0149
Std Dev 1.051

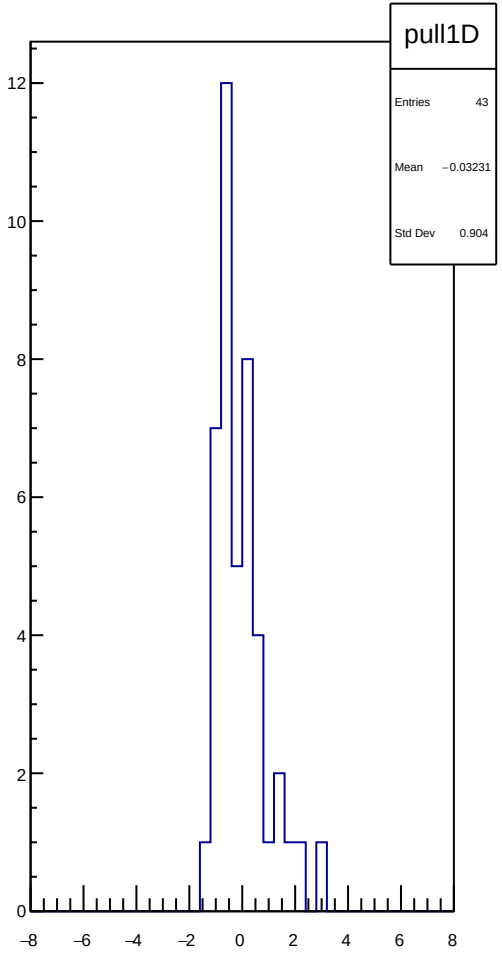

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.41 / 42
p0 28.4 ± 2.076
pull
Entries 43
Mean 96.32
Std Dev 0

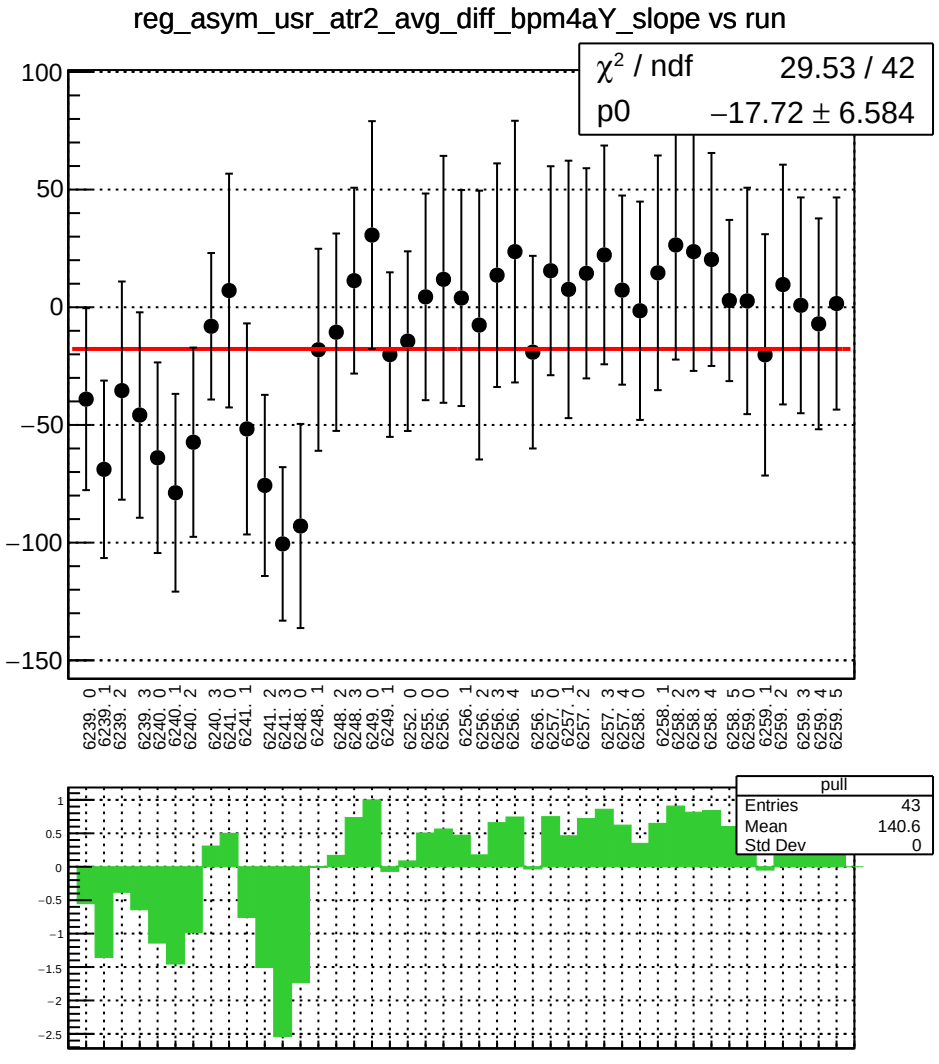

pull1D
Entries 43
Mean −0.04492
Std Dev 0.867

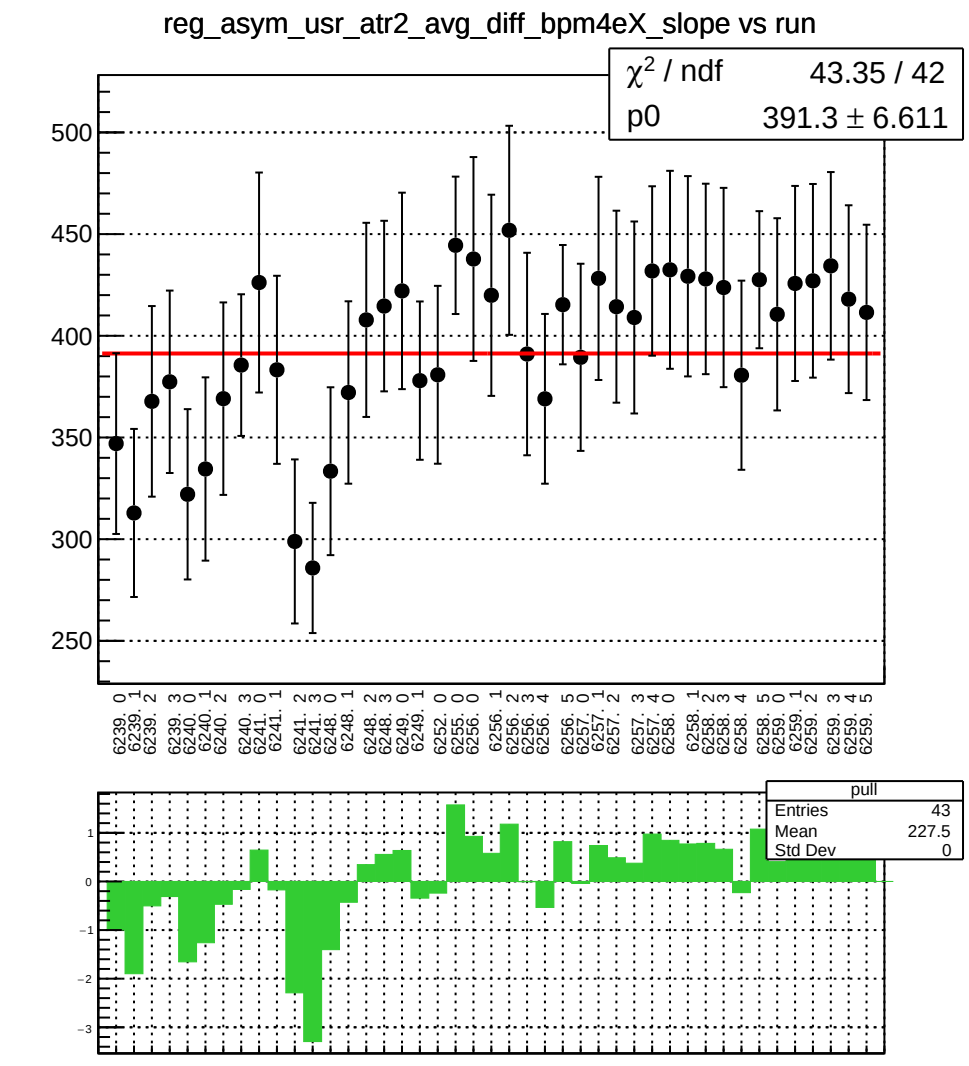

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 31.93 / 42
p0 −5.859 ± 0.1589
pull
Entries 43
Mean −105.9
Std Dev 0

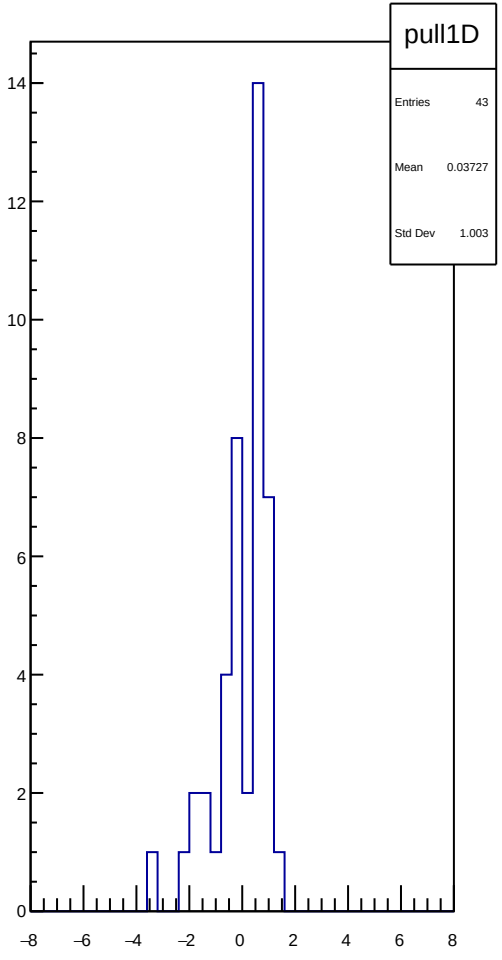

pull1D
Entries 43
Mean 0.02206
Std Dev 0.8614

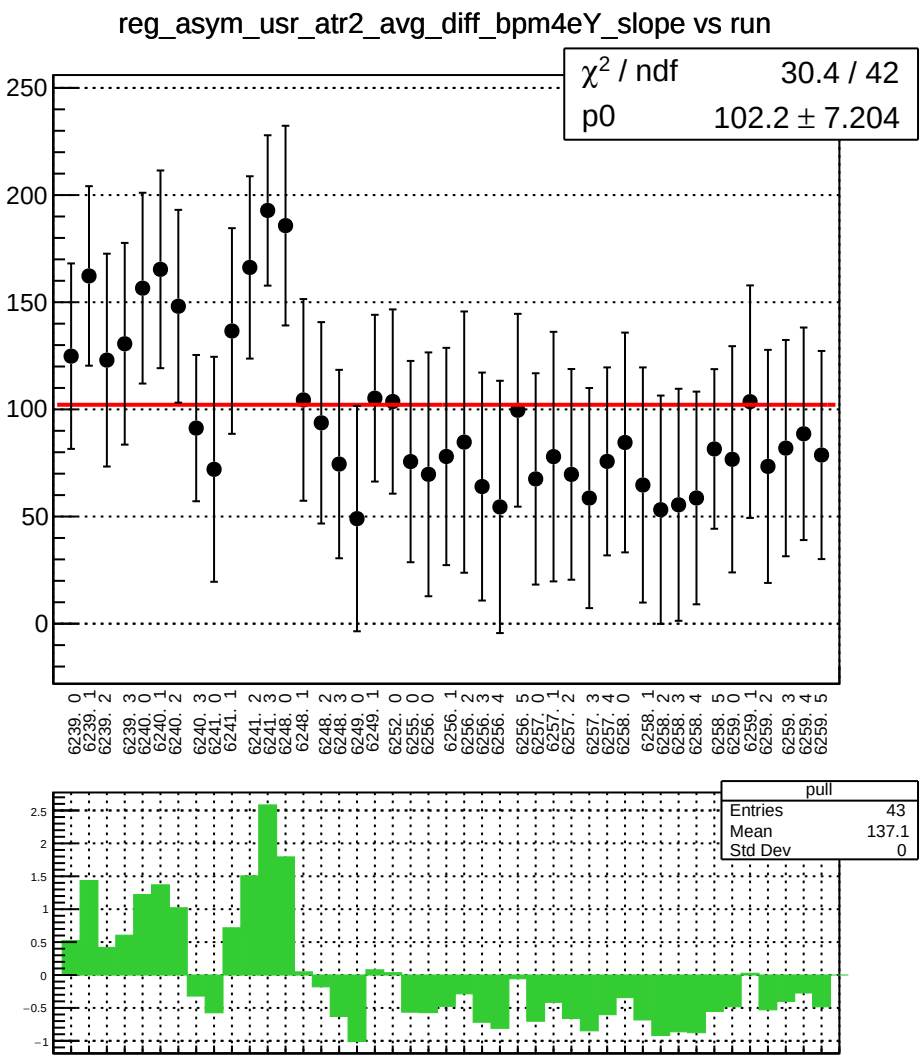

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.19 / 42
p0 −227.8 ± 5.494
pull
Entries 43
Mean 219.8
Std Dev 0

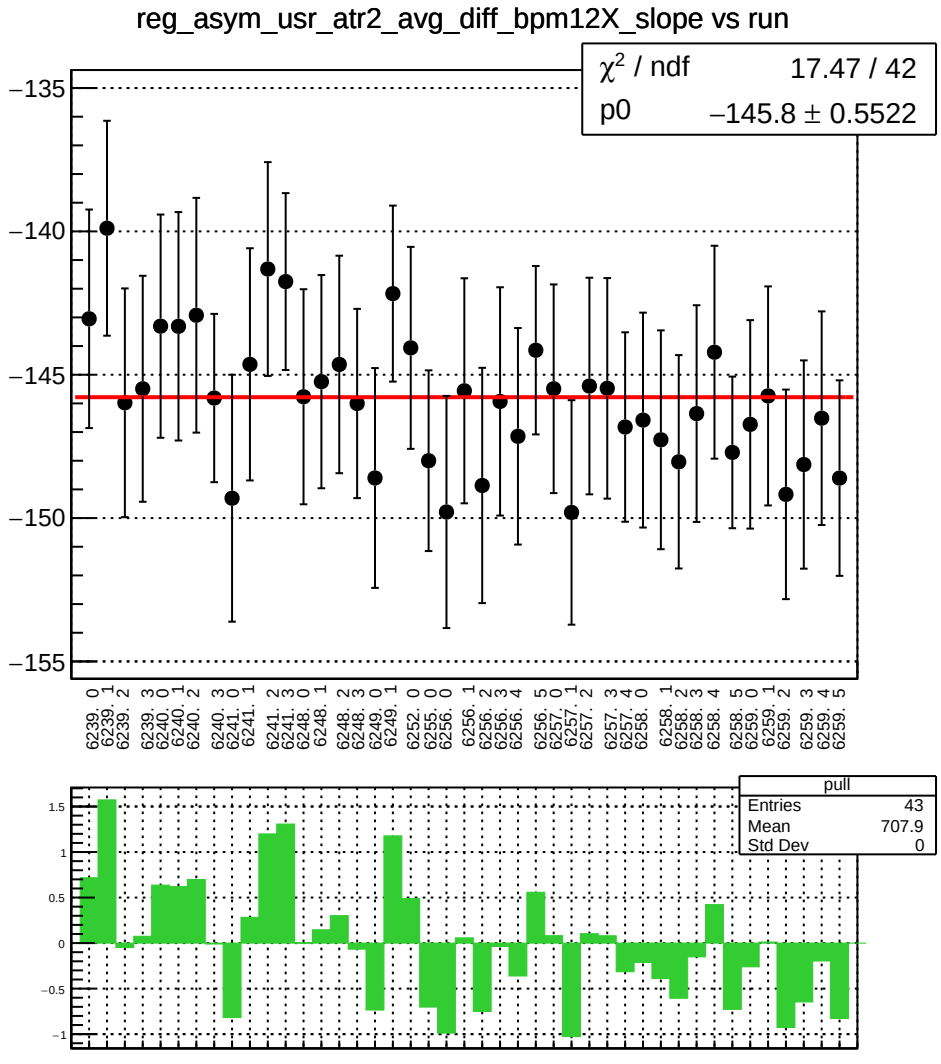

pull1D
Entries 43
Mean −0.03231
Std Dev 0.904

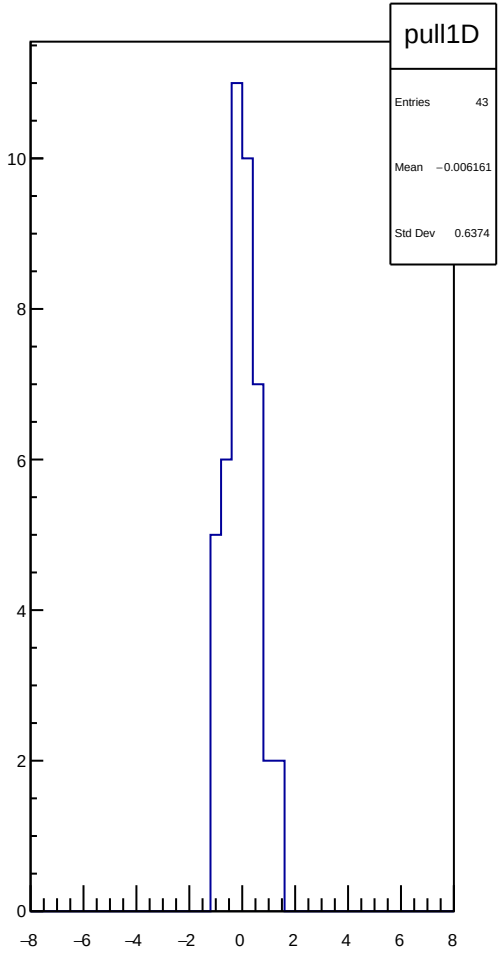

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.53 / 42
p0 −17.72 ± 6.584
100
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 140.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.05395
Std Dev 0.827
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

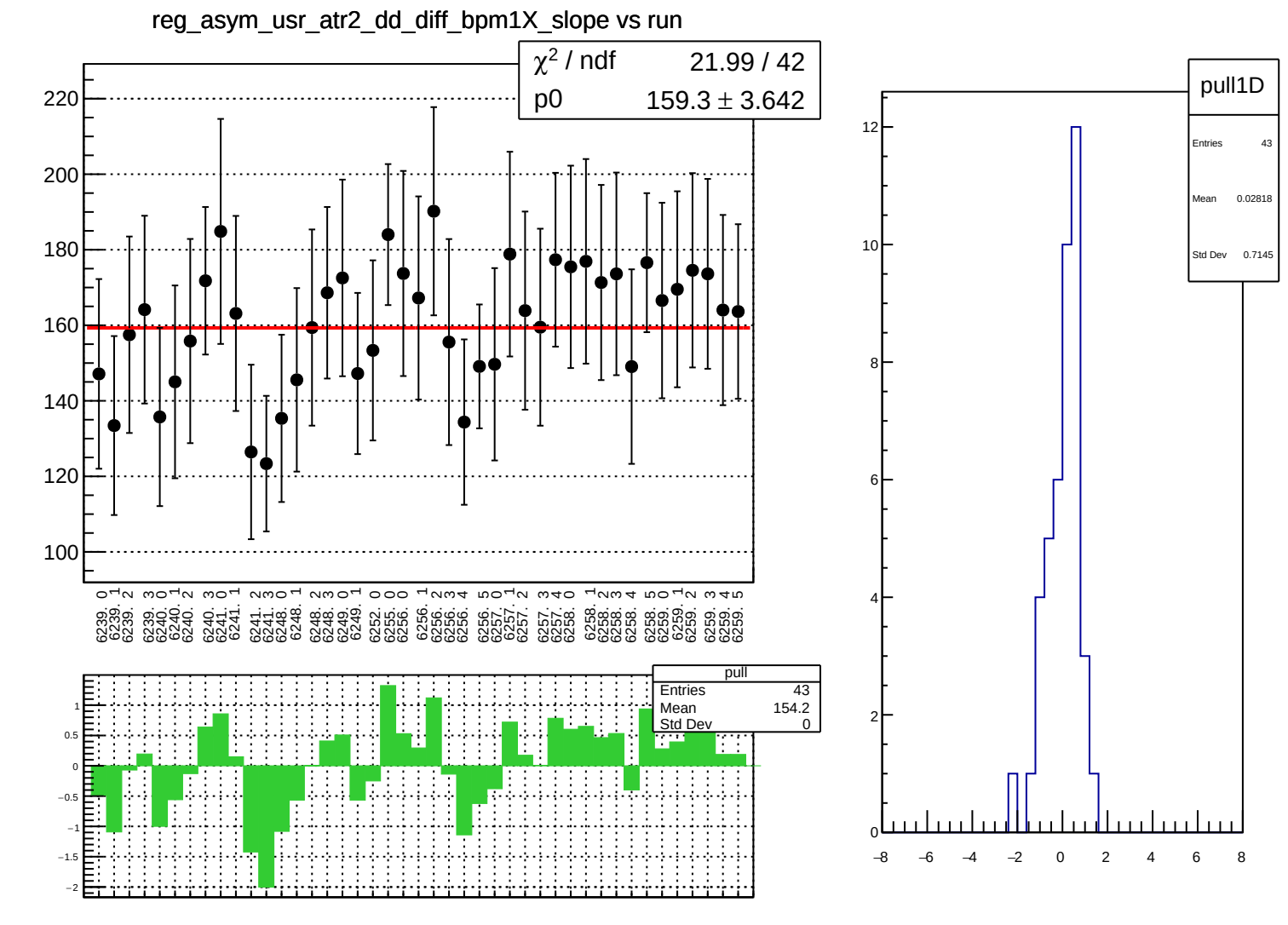

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.35 / 42
p0 391.3 ± 6.611
500
450
400
350
300
250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 227.5
Std Dev 0
1
0
−1
−2
−3

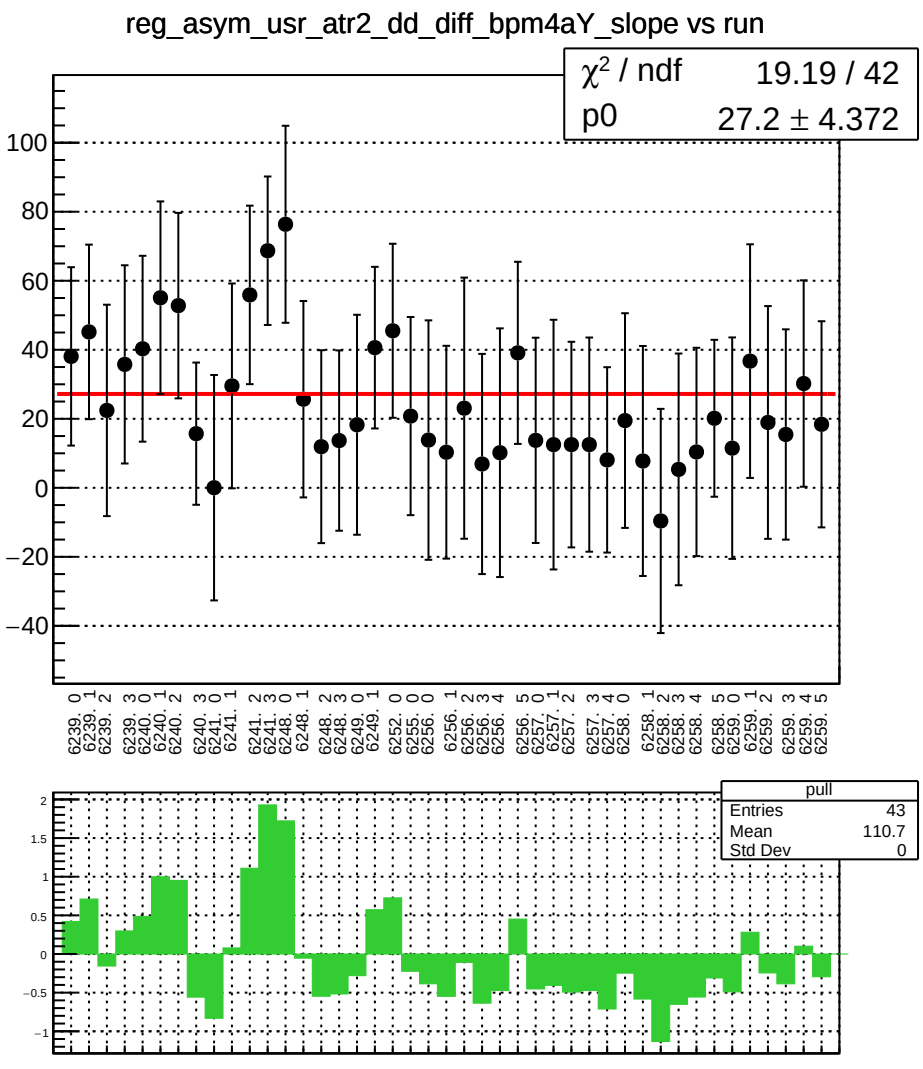

pull1D
Entries 43
Mean 0.03727
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

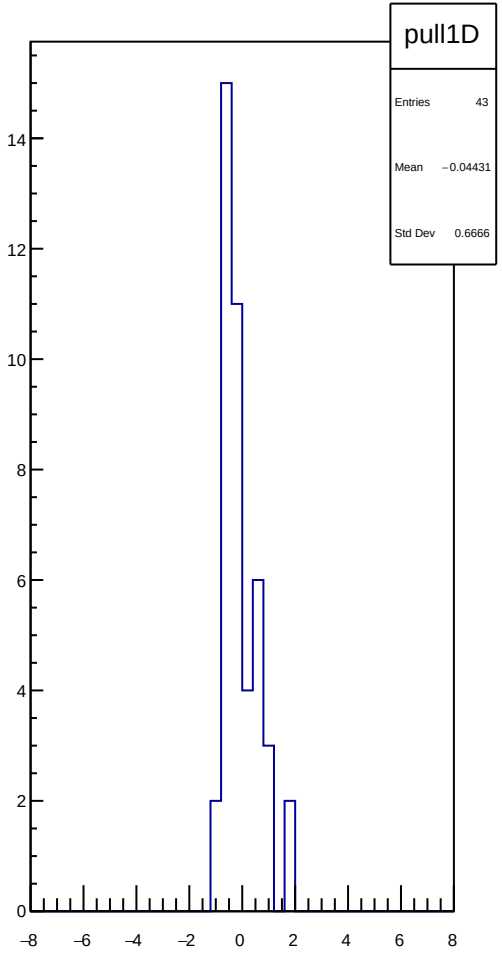

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.4 / 42
p0 102.2 ± 7.204
250
200
150
100
50
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 137.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.05671
Std Dev 0.839
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

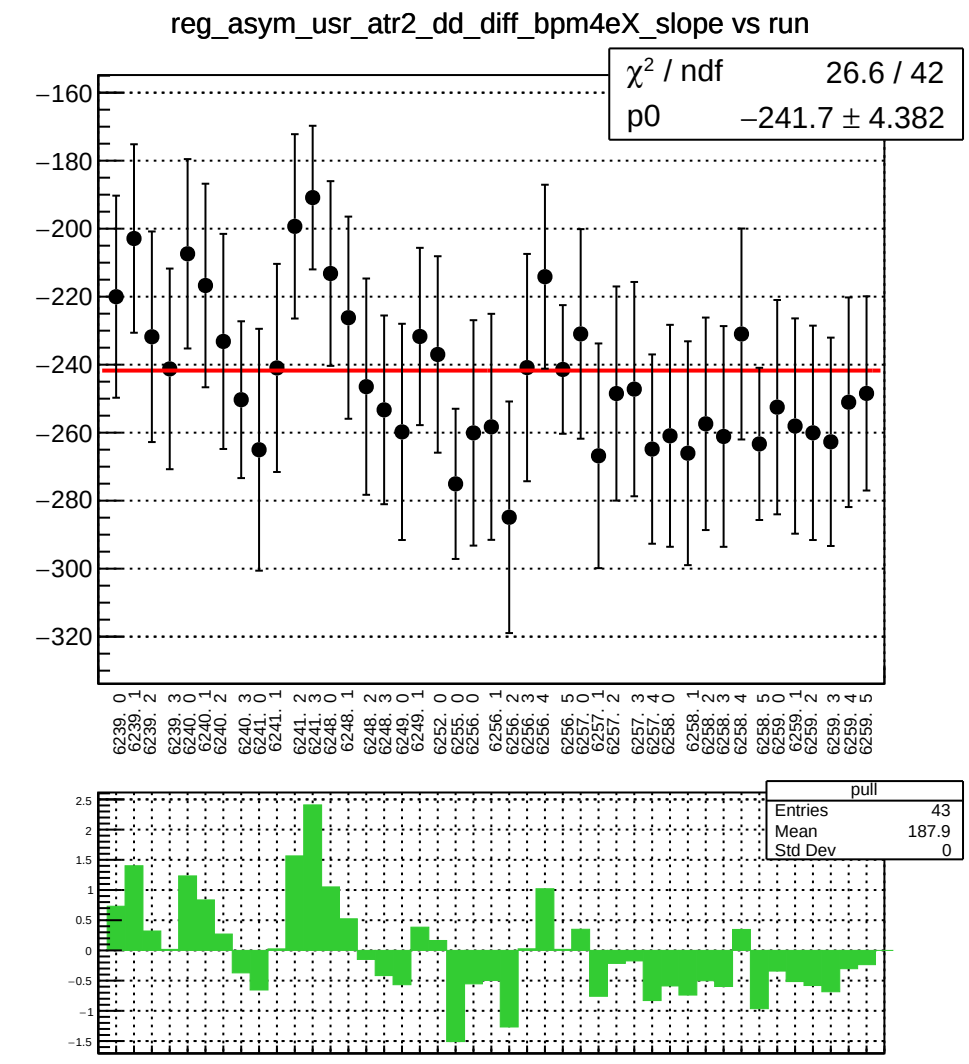

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 17.47 / 42
p0 −145.8 ± 0.5522
−135
−140
−145
−150
−155
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 707.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1

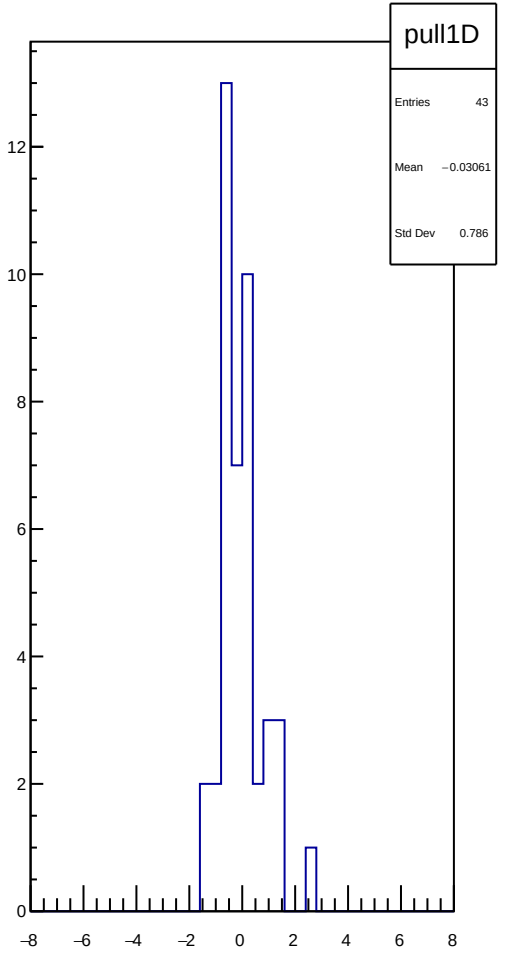

pull1D
Entries 43
Mean −0.006161
Std Dev 0.6374
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

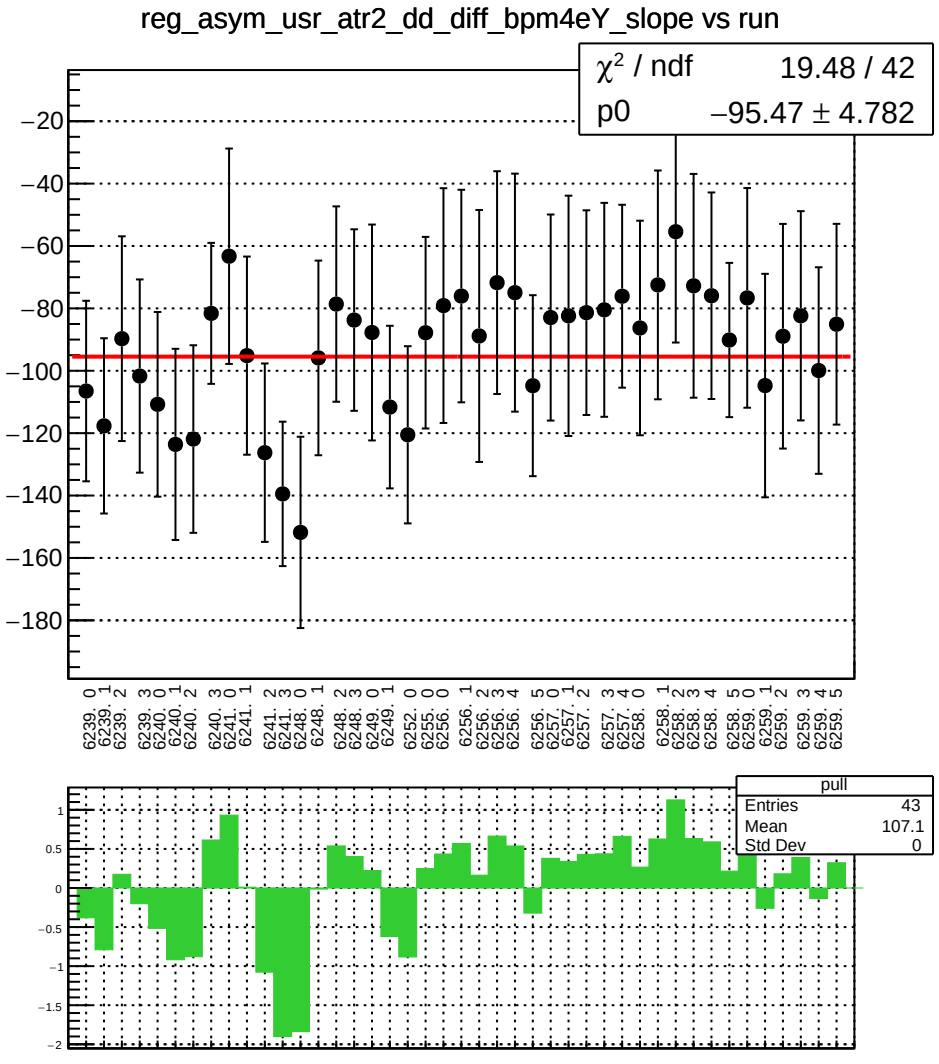

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.99 / 42
p0 159.3 ± 3.642
220
200
180
160
140
120
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 154.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.02818
Std Dev 0.7145
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

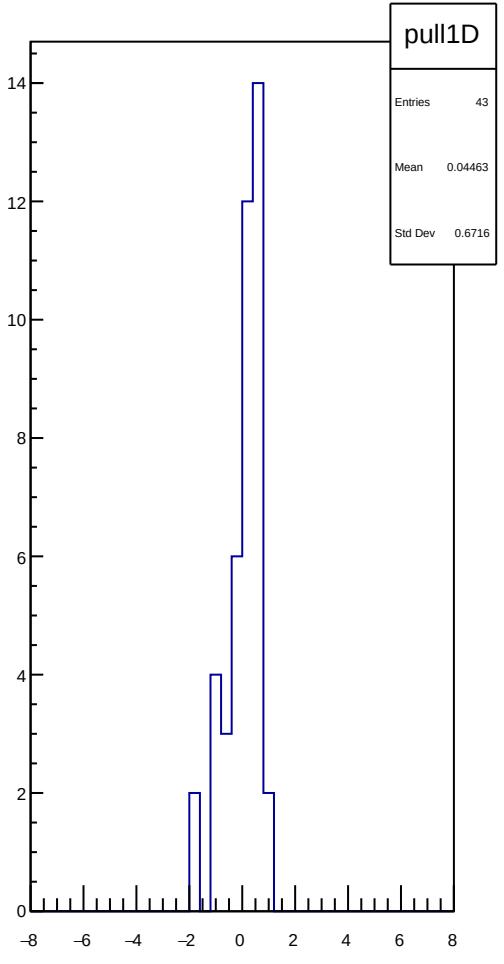

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.19 / 42
p0 27.2 ± 4.372
pull
Entries 43
Mean 110.7
Std Dev 0

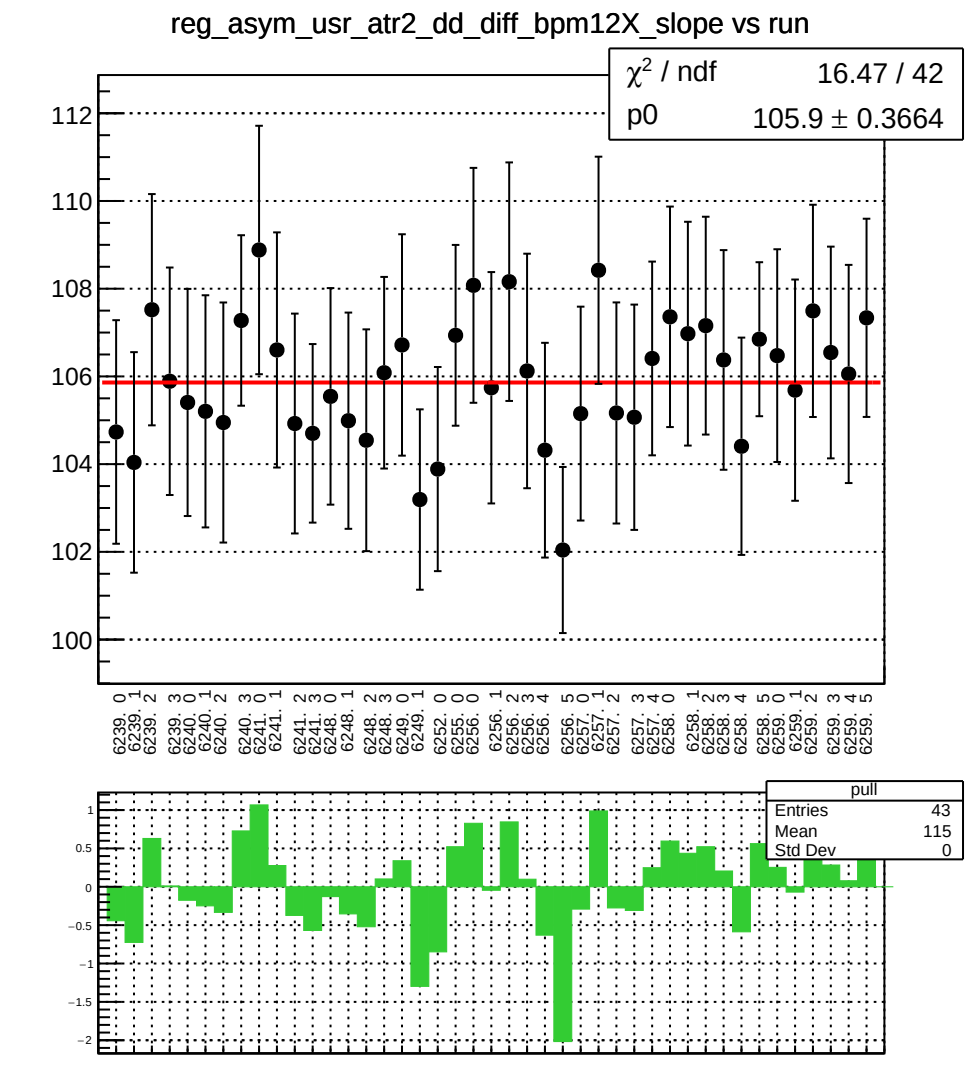

pull1D
Entries 43
Mean −0.04431
Std Dev 0.6666

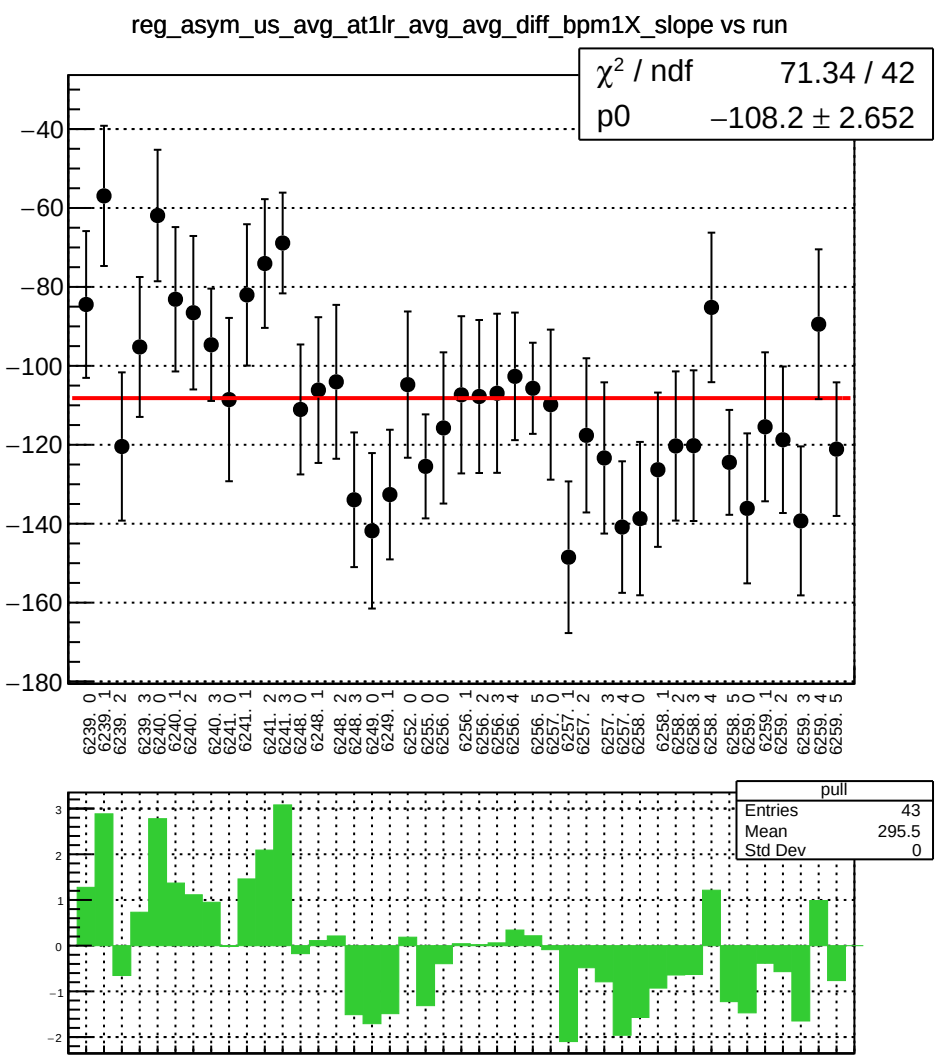

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.6 / 42
p0 −241.7 ± 4.382
−160
−180
−200
−220
−240
−260
−280
−300
−320
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 187.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

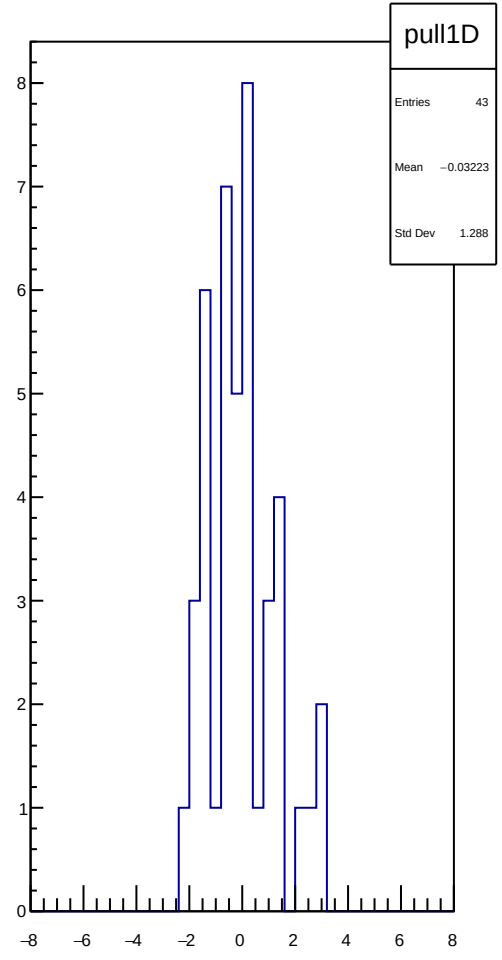

pull1D
Entries 43
Mean −0.03061
Std Dev 0.786
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

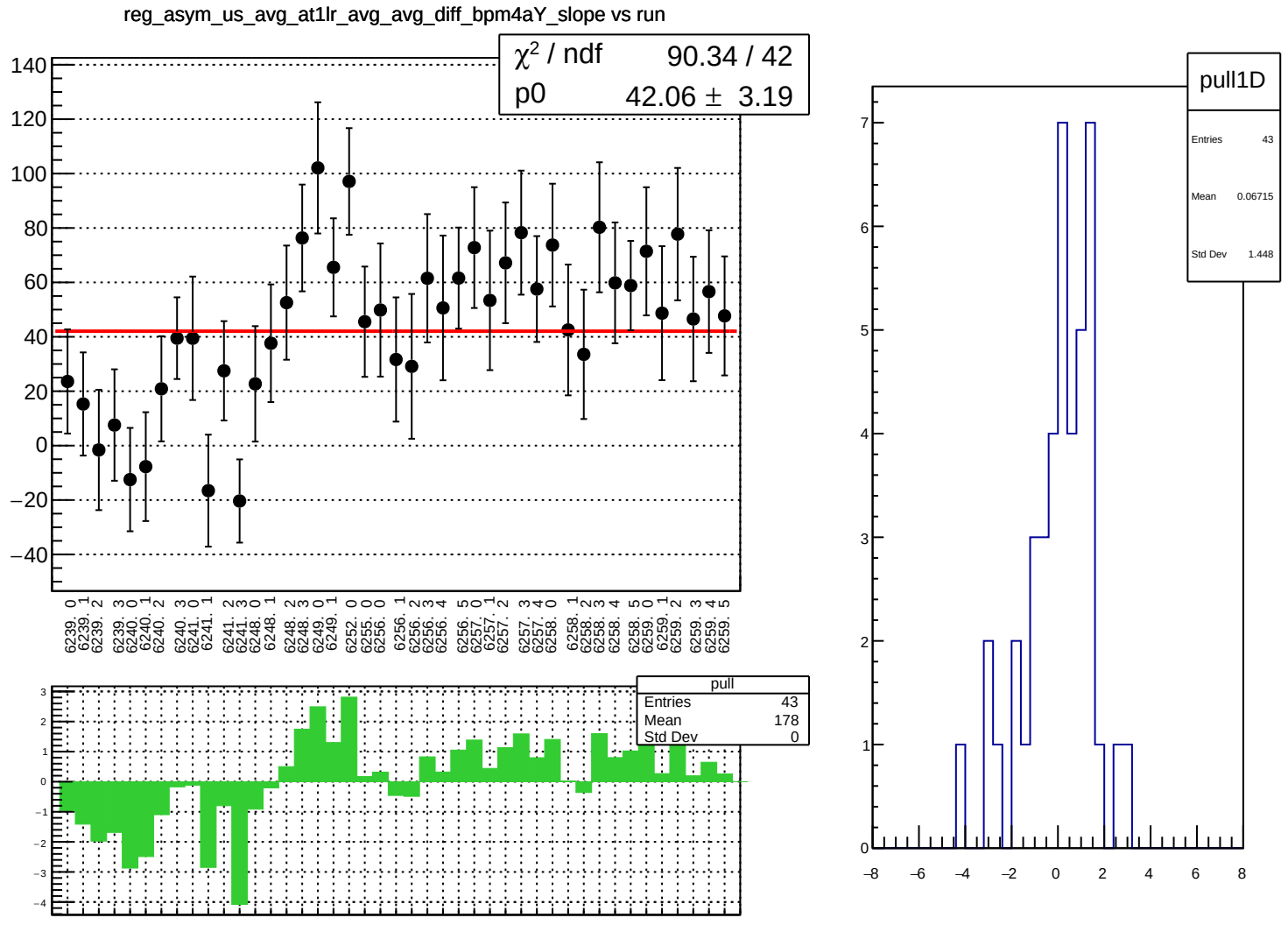

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.48 / 42
p0 −95.47 ± 4.782
pull
Entries 43
Mean 107.1
Std Dev 0

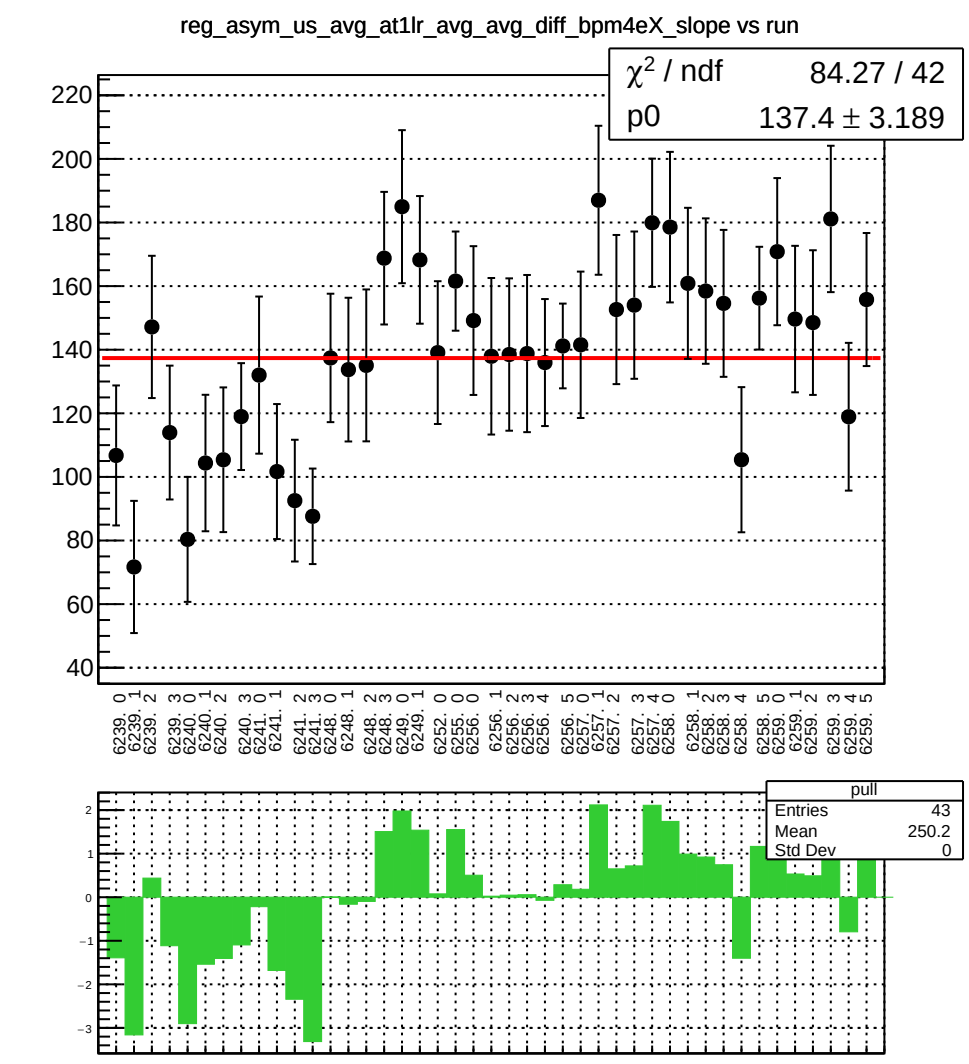

pull1D
Entries 43
Mean 0.04463
Std Dev 0.6716

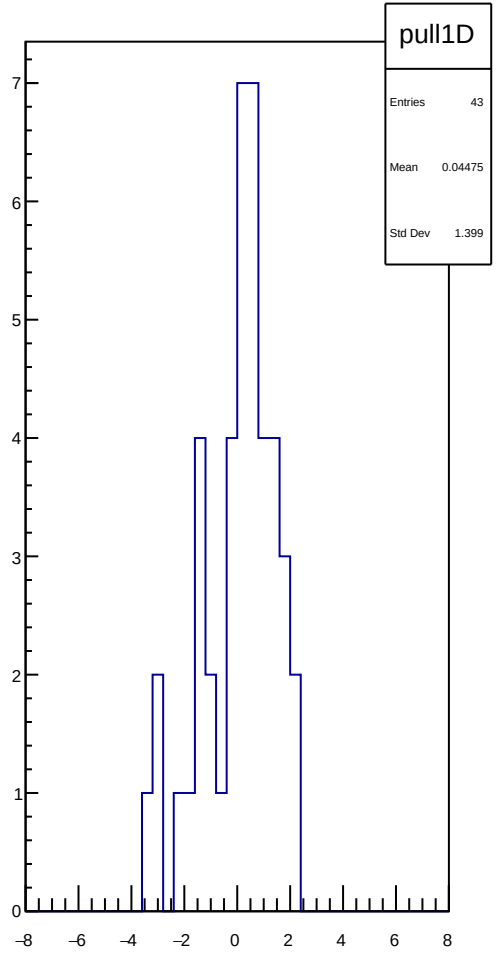

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 16.47 / 42
p0 105.9 ± 0.3664
112
110
108
106
104
102
100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 115
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 43
Mean 0.01646
Std Dev 0.6187
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

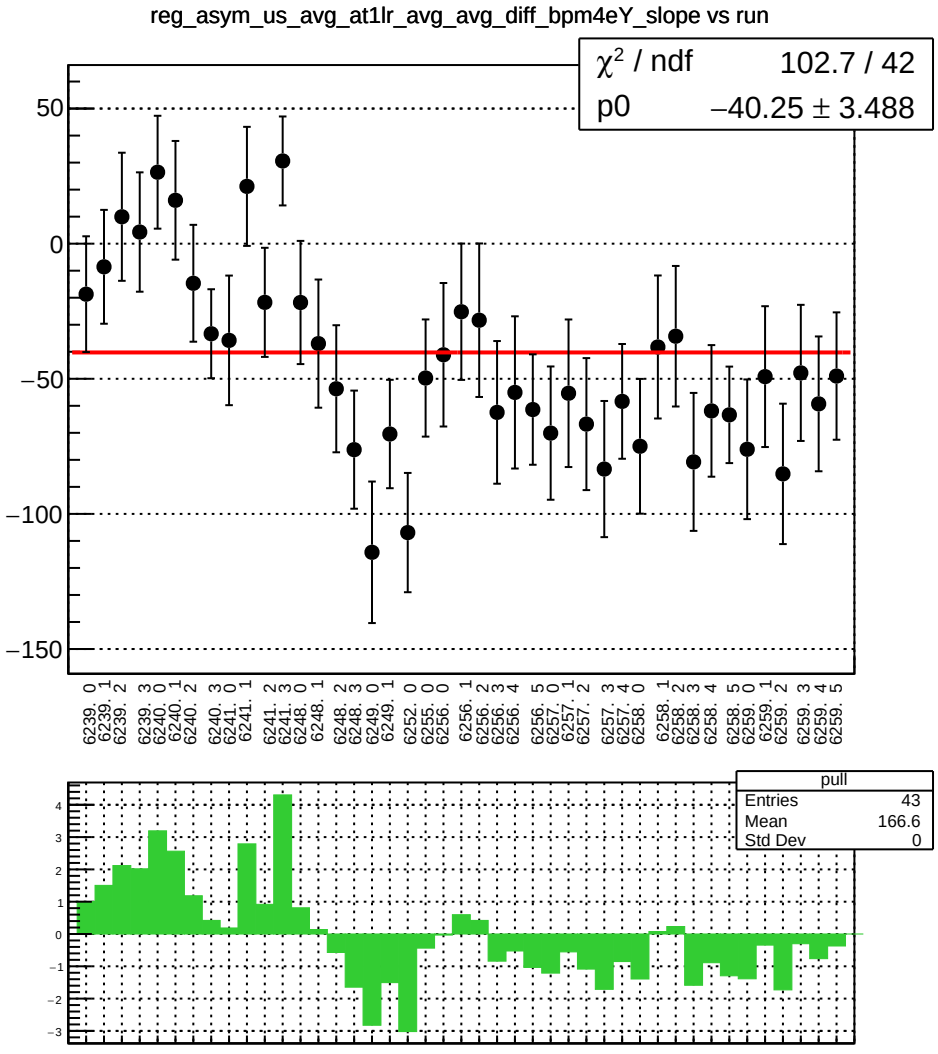

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 71.34 / 42
p0 −108.2 ± 2.652
−40
−60
−80
−100
−120
−140
−160
−180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 295.5
Std Dev 0
3
2
1
0
−1
−2

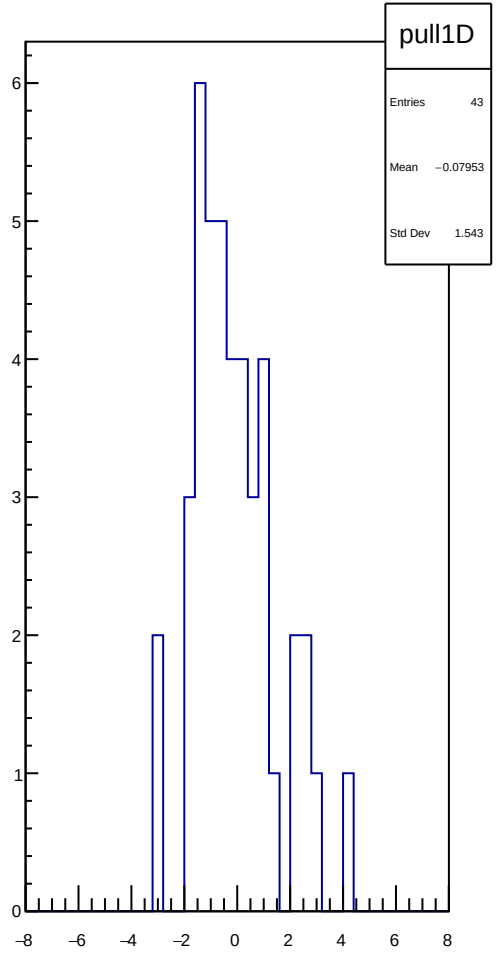

pull1D
Entries 43
Mean −0.03223
Std Dev 1.288
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

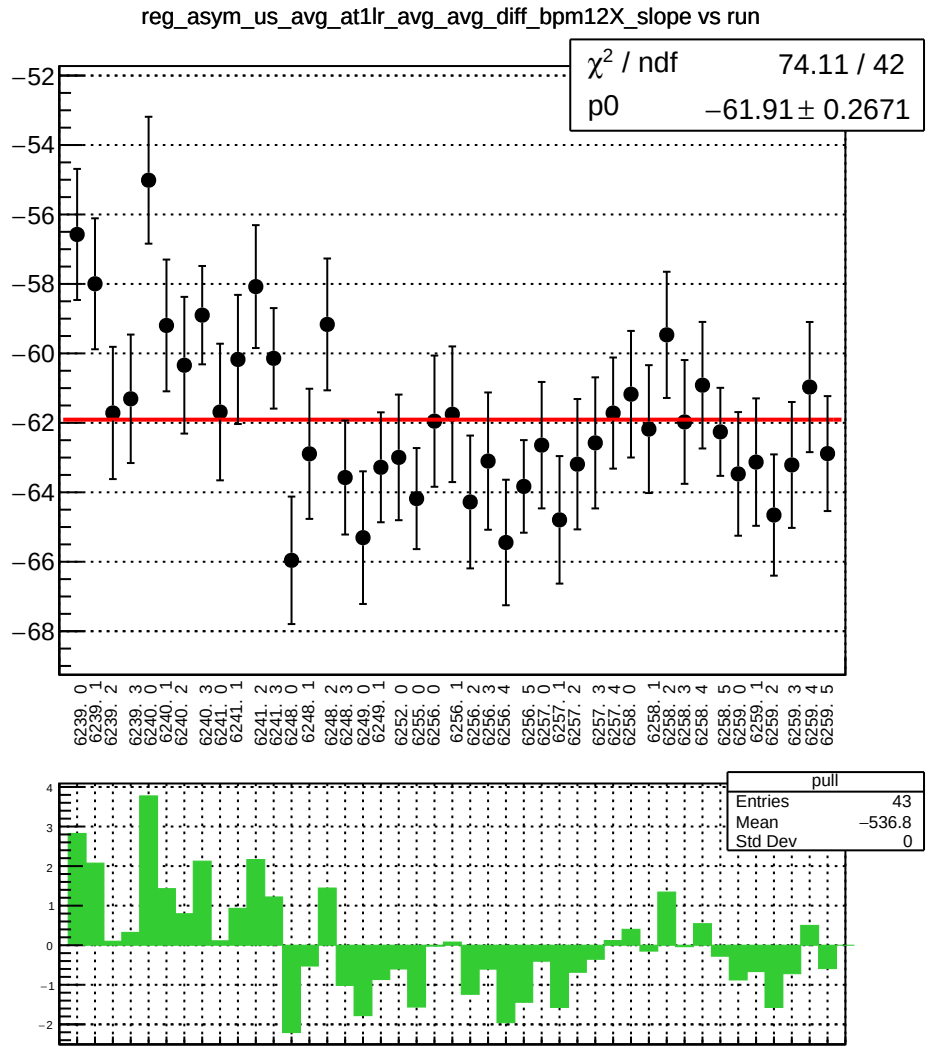

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.34 / 42
p0 42.06 ± 3.19
140
120
100
80
60
40
20
0
−20
−40
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 178
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean 0.06715
Std Dev 1.448
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

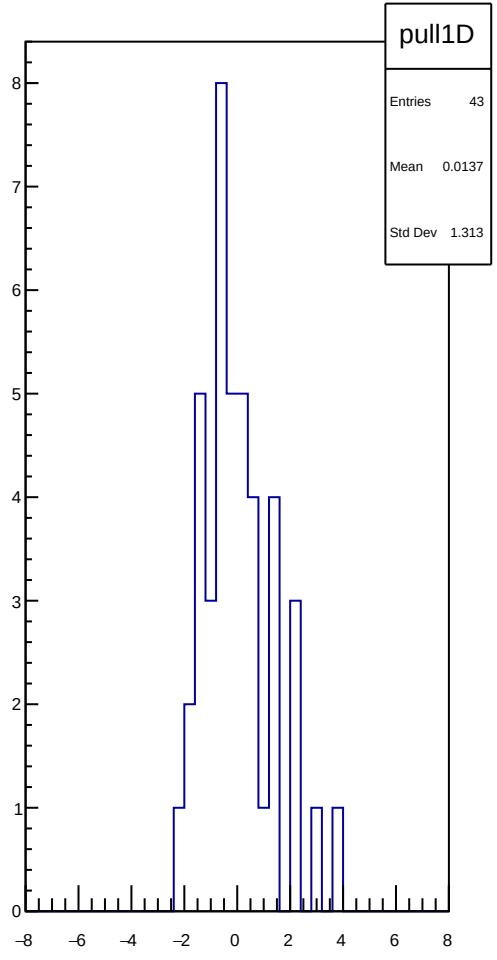

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.27 / 42
p0 137.4 ± 3.189
pull
Entries 43
Mean 250.2
Std Dev 0

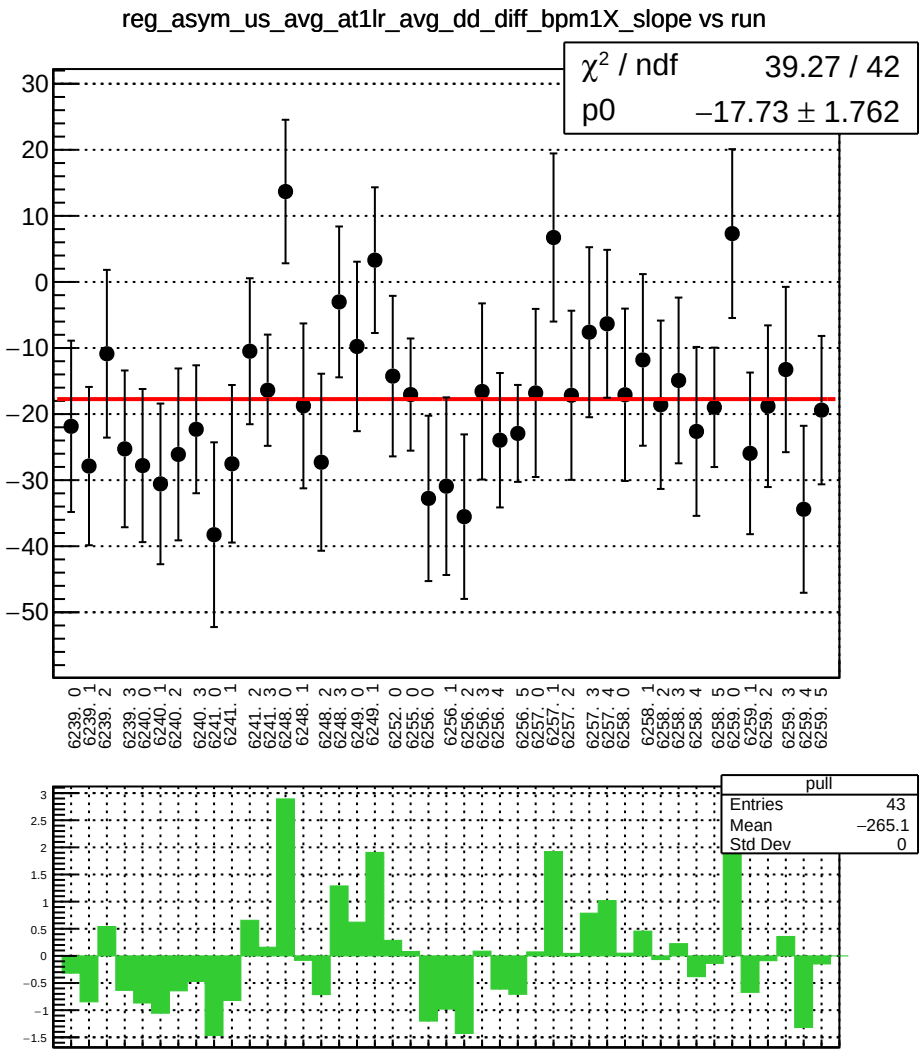

pull1D
Entries 43
Mean 0.04475
Std Dev 1.399

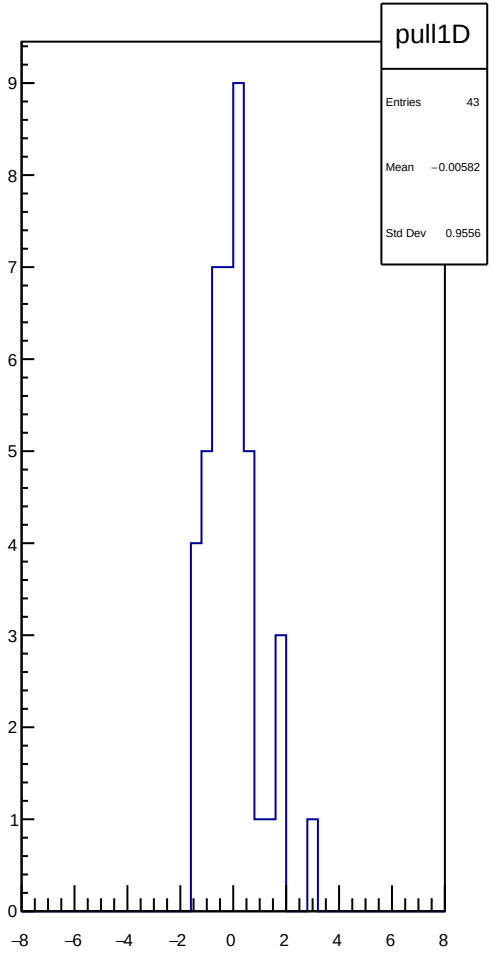

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 102.7 / 42
p0 −40.25 ± 3.488
50
0
−50
−100
−150
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 166.6
Std Dev 0
4
3
2
1
0
−1
−2
−3

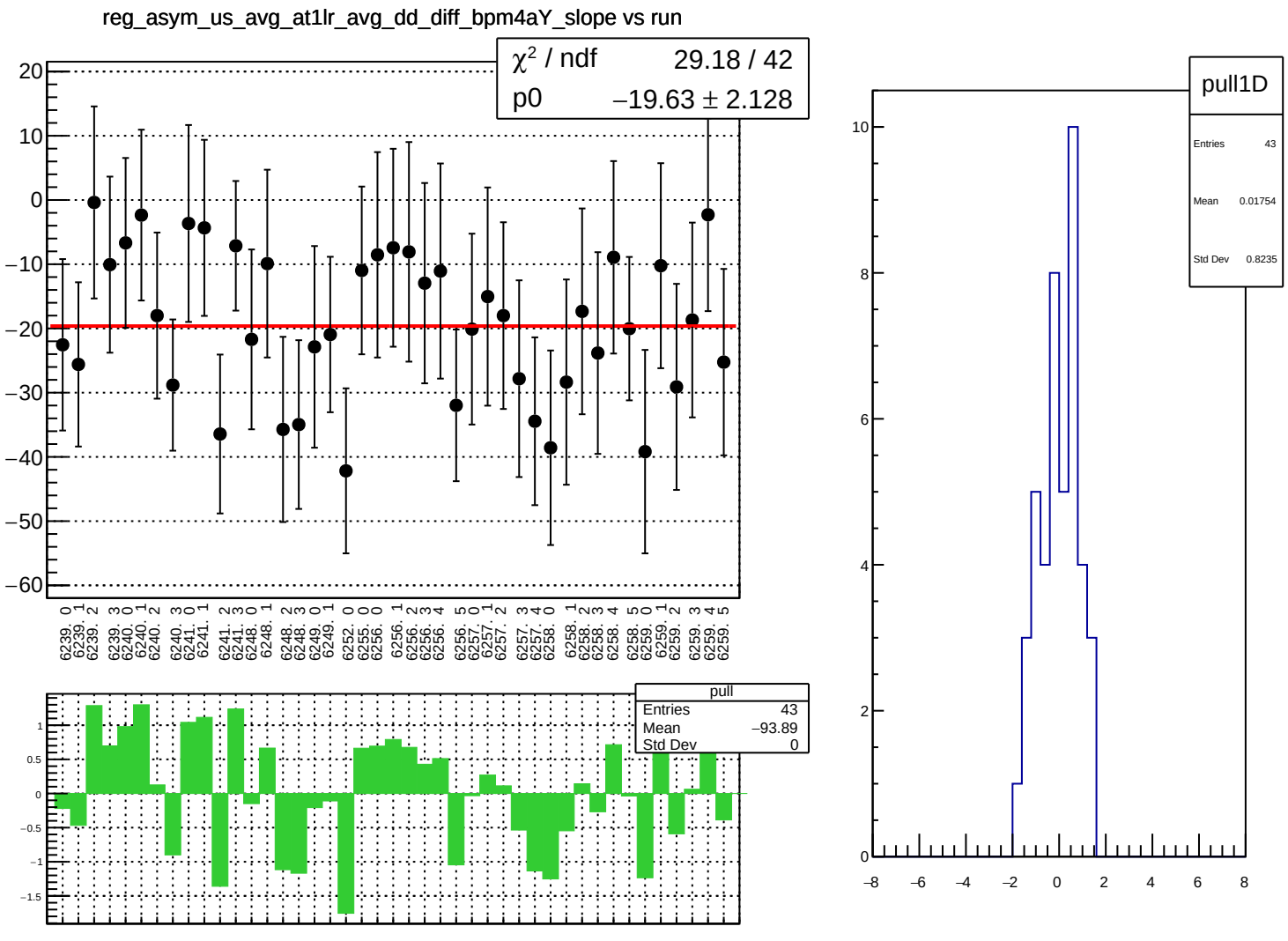

pull1D
Entries 43
Mean −0.07953
Std Dev 1.543
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

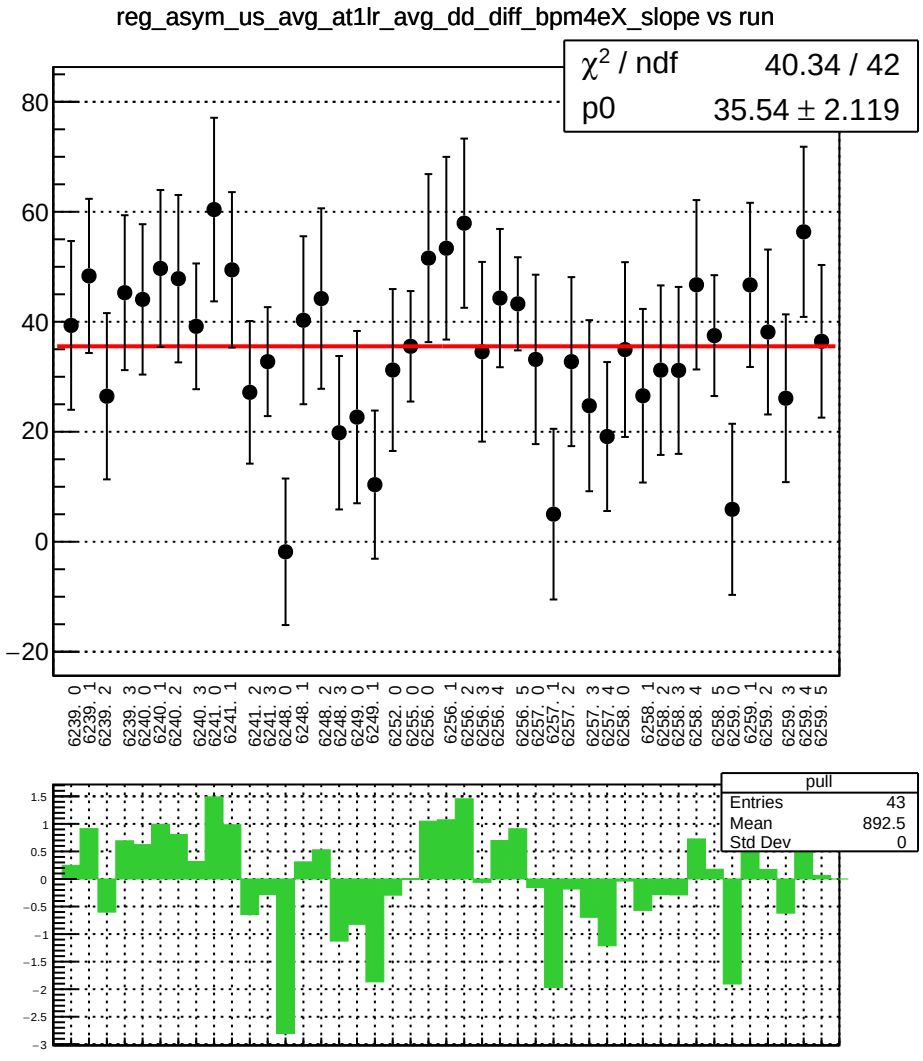

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 74.11 / 42
p0 −61.91 ± 0.2671
pull
Entries 43
Mean −536.8
Std Dev 0

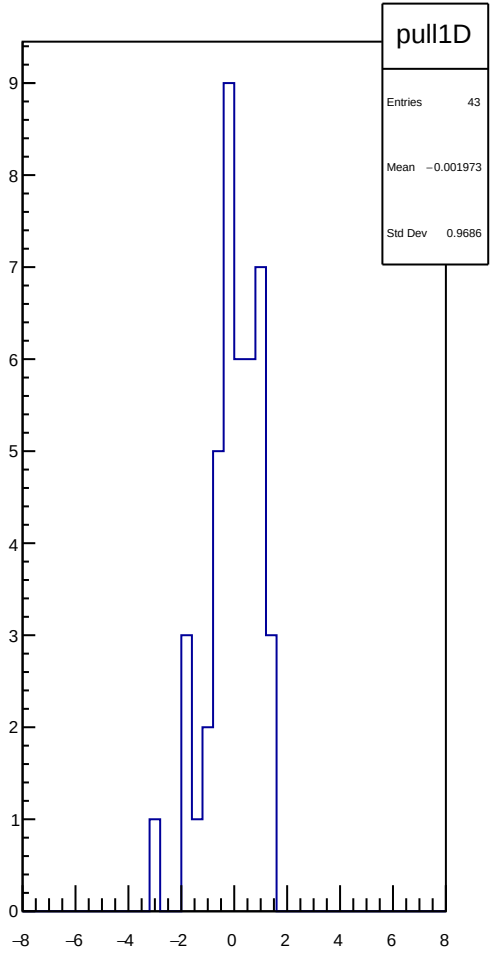

pull1D
Entries 43
Mean 0.0137
Std Dev 1.313

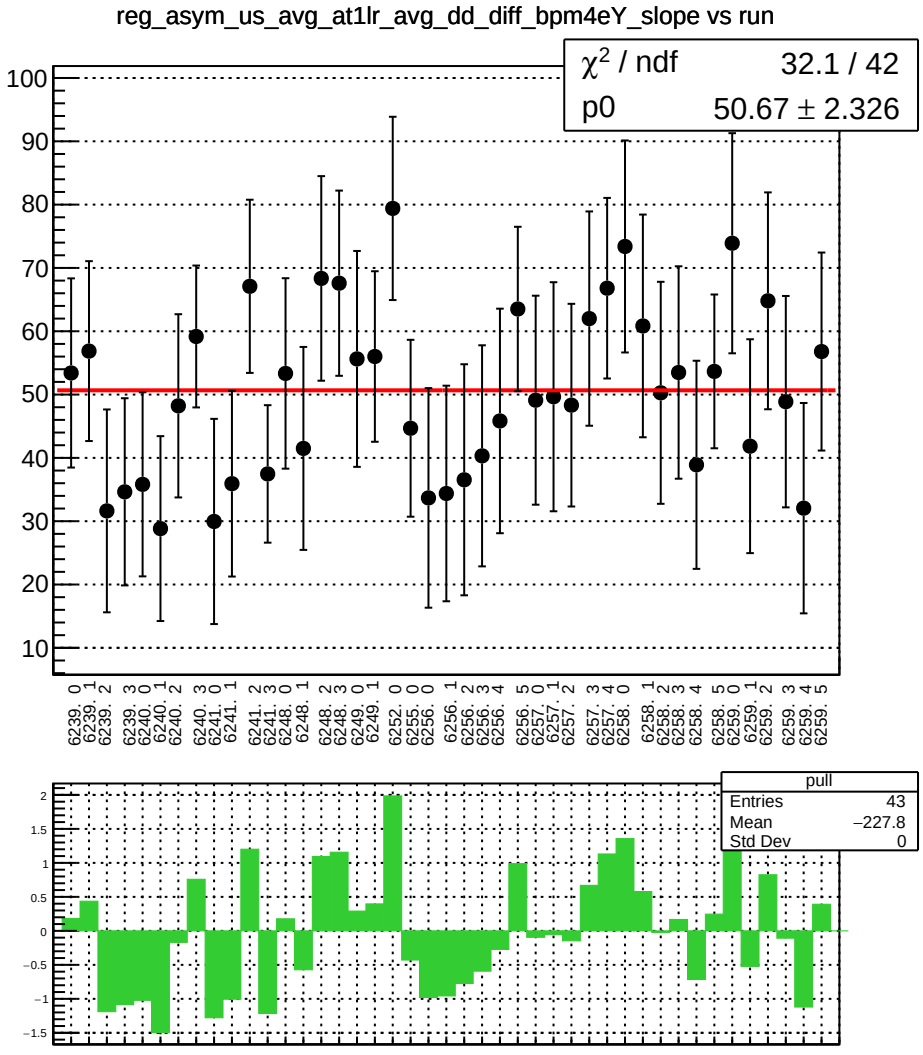

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 39.27 / 42
p0 −17.73 ± 1.762
pull
Entries 43
Mean −265.1
Std Dev 0

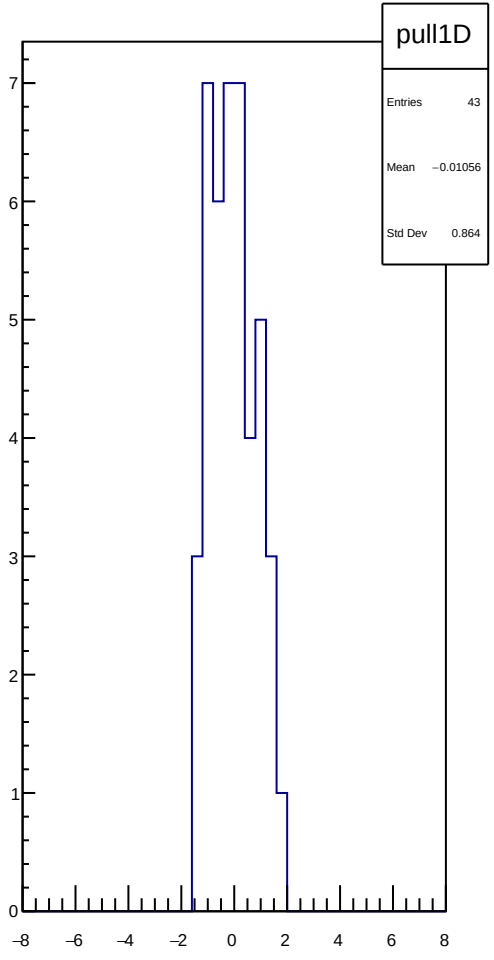

pull1D
Entries 43
Mean −0.00582
Std Dev 0.9556

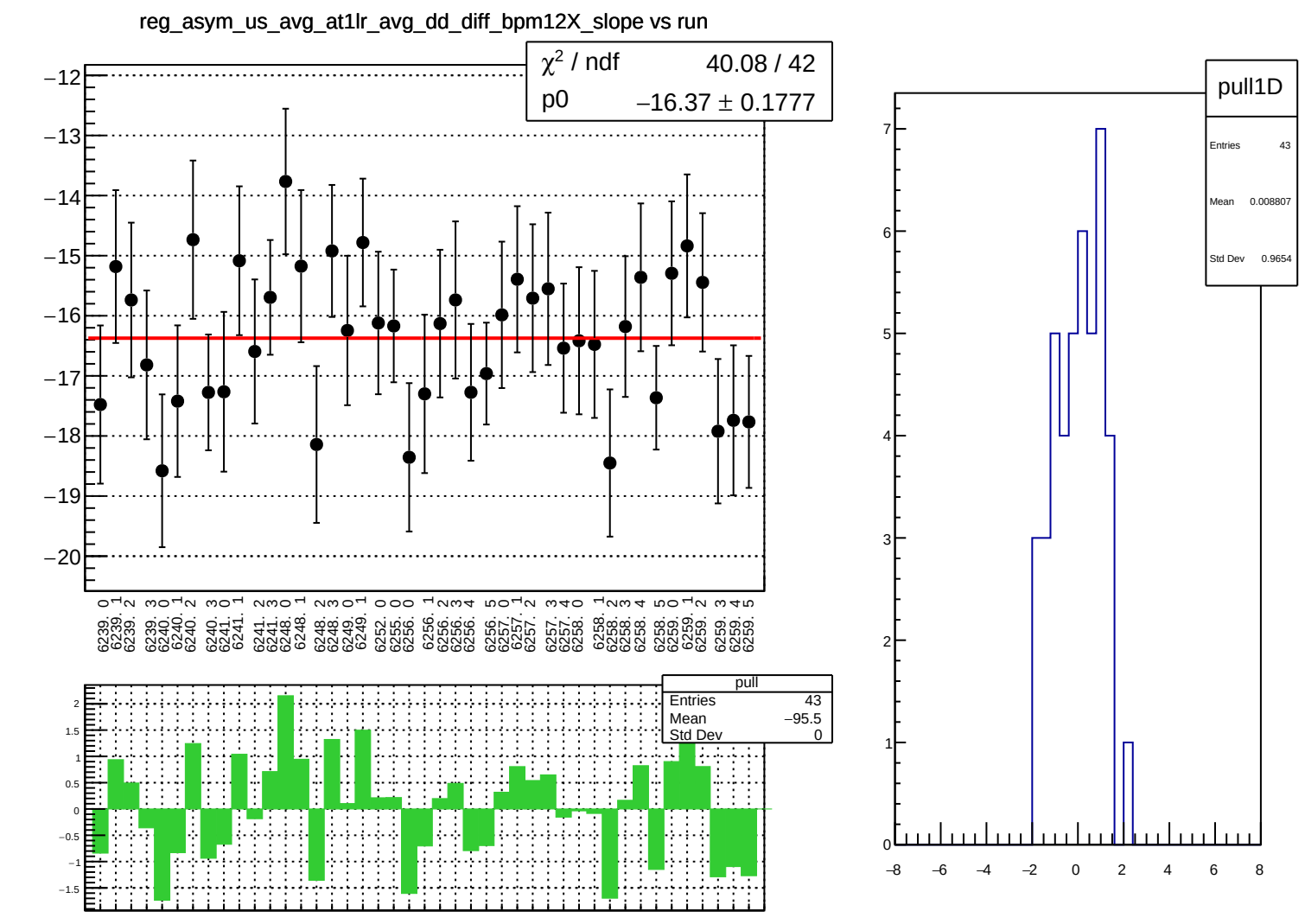

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.18 / 42
p0 −19.63 ± 2.128
pull
Entries 43
Mean −93.89
Std Dev 0
pull1D
Entries 43
Mean 0.01754
Std Dev 0.8235

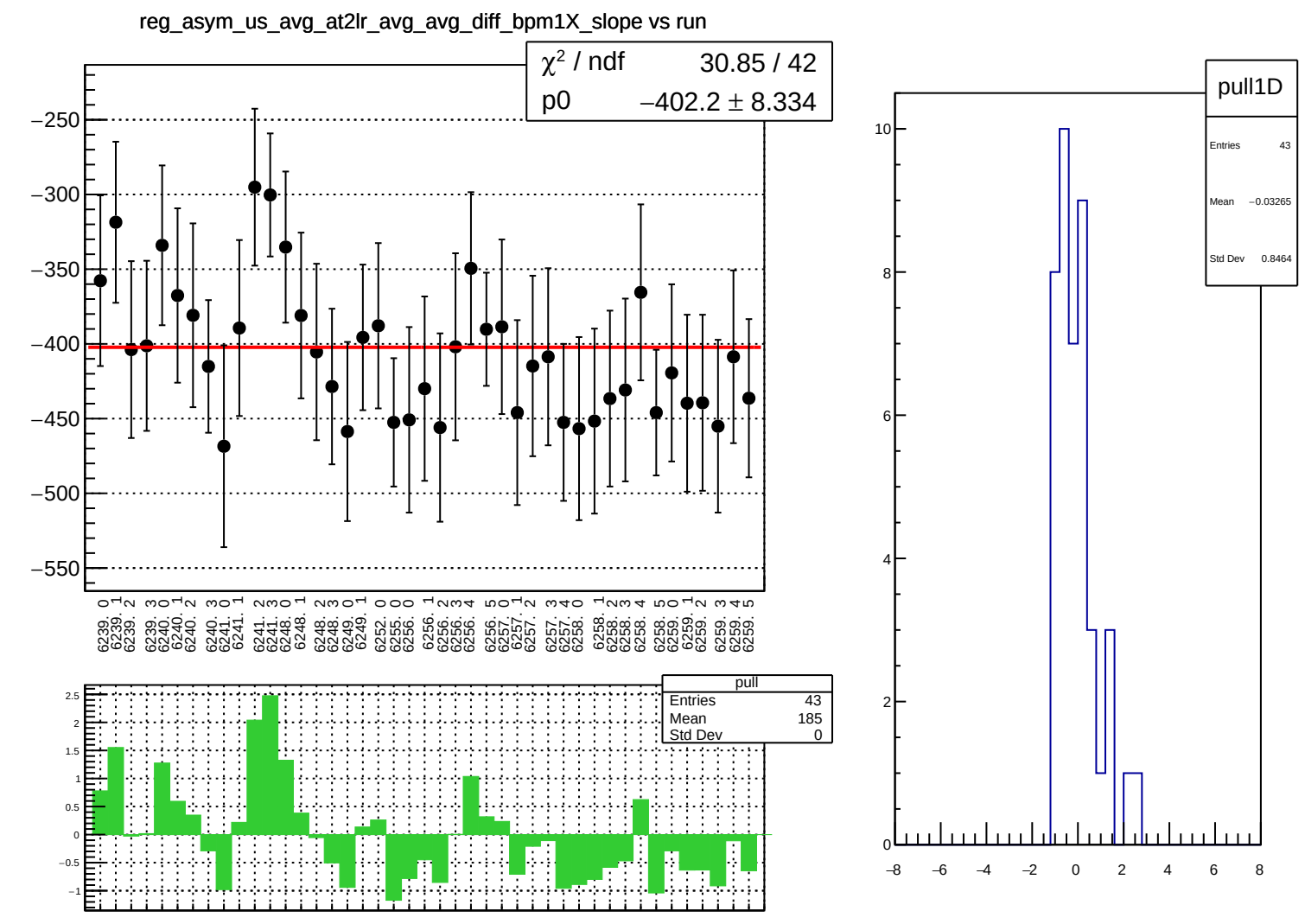

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.34 / 42
p0 35.54 ± 2.119
pull
Entries 43
Mean 892.5
Std Dev 0

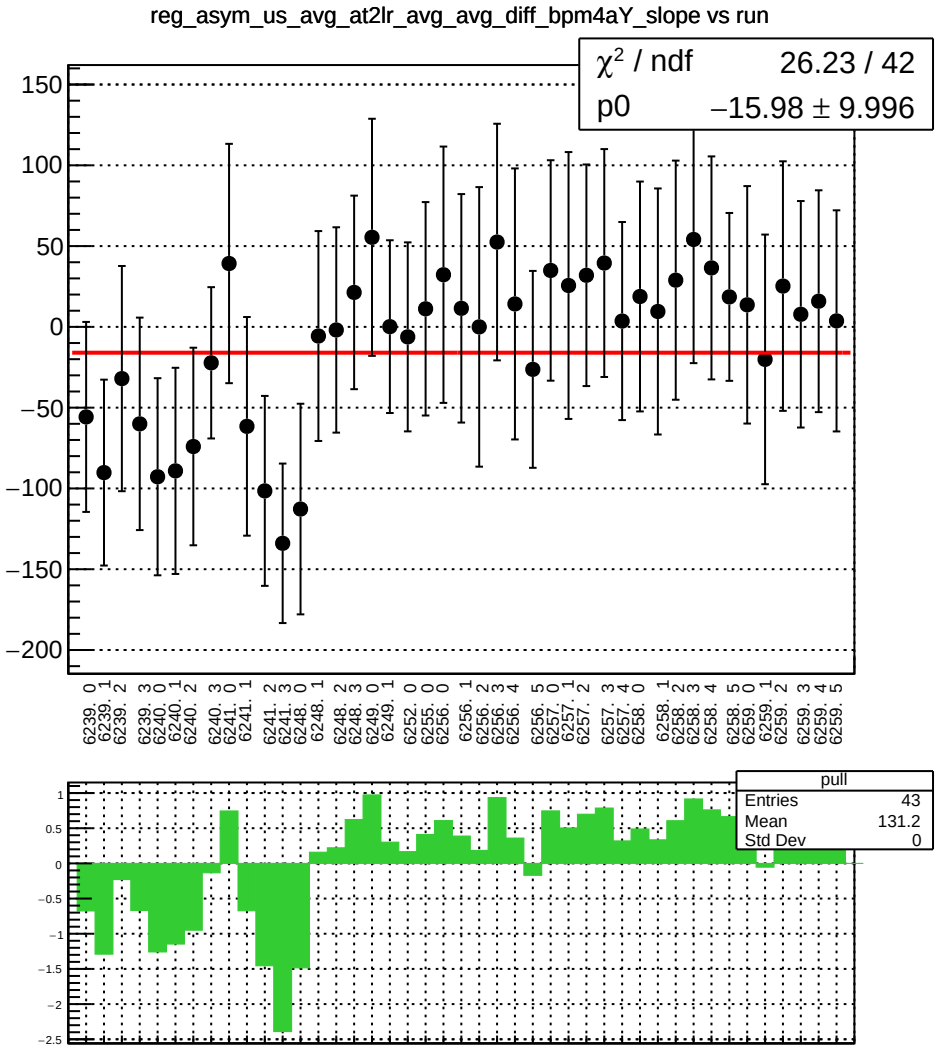

pull1D
Entries 43
Mean −0.001973
Std Dev 0.9686

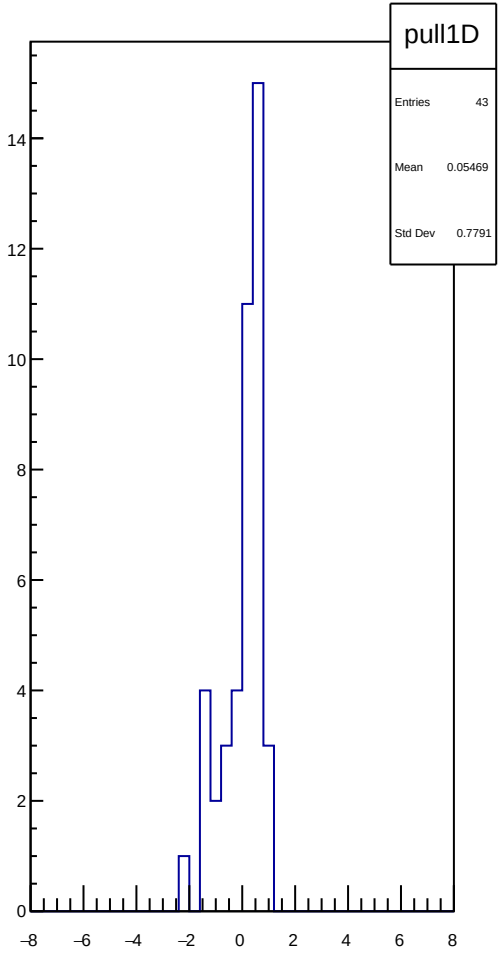

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.1 / 42
p0 50.67 ± 2.326
pull
Entries 43
Mean −227.8
Std Dev 0

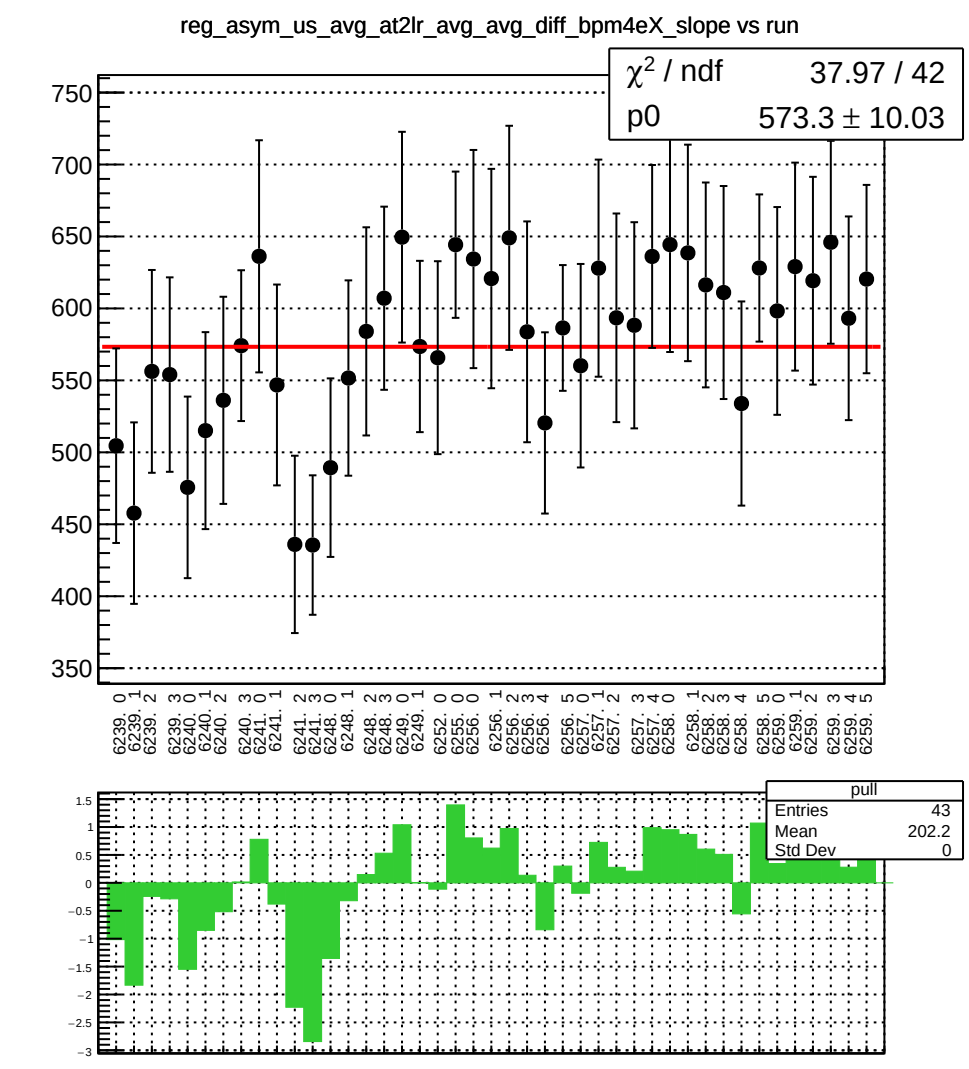

pull1D
Entries 43
Mean −0.01056
Std Dev 0.864

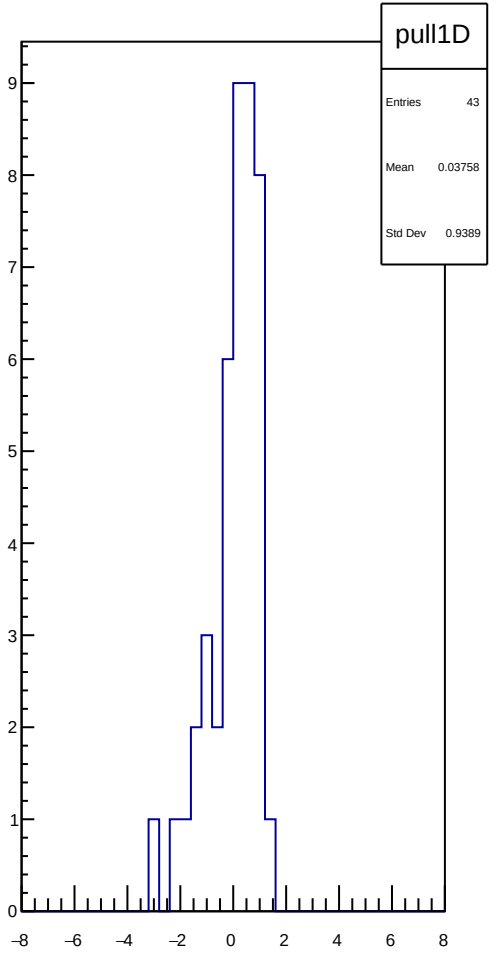

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 40.08 / 42
p0 −16.37 ± 0.1777
pull
Entries 43
Mean −95.5
Std Dev 0
pull1D
Entries 43
Mean 0.008807
Std Dev 0.9654

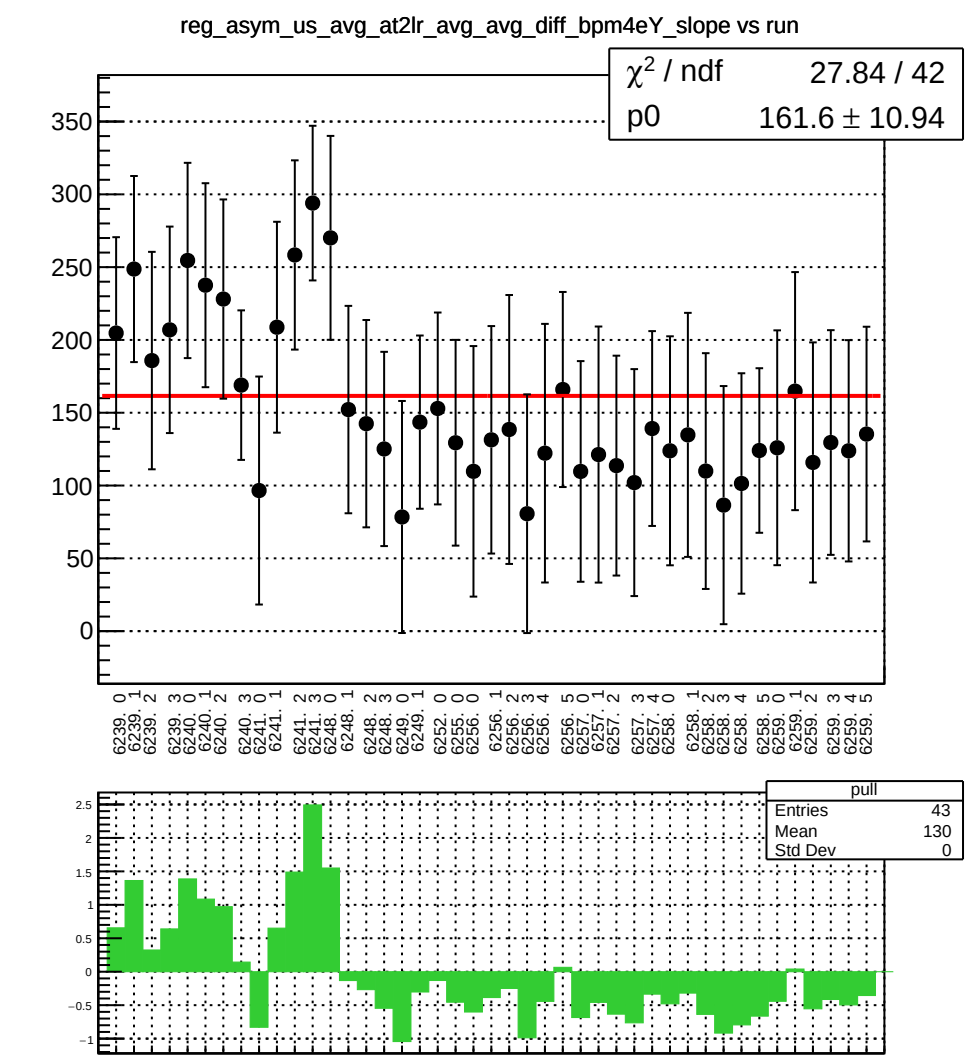

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 30.85 / 42
p0 −402.2 ± 8.334
−250
−300
−350
−400
−450
−500
−550
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 185
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.03265
Std Dev 0.8464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

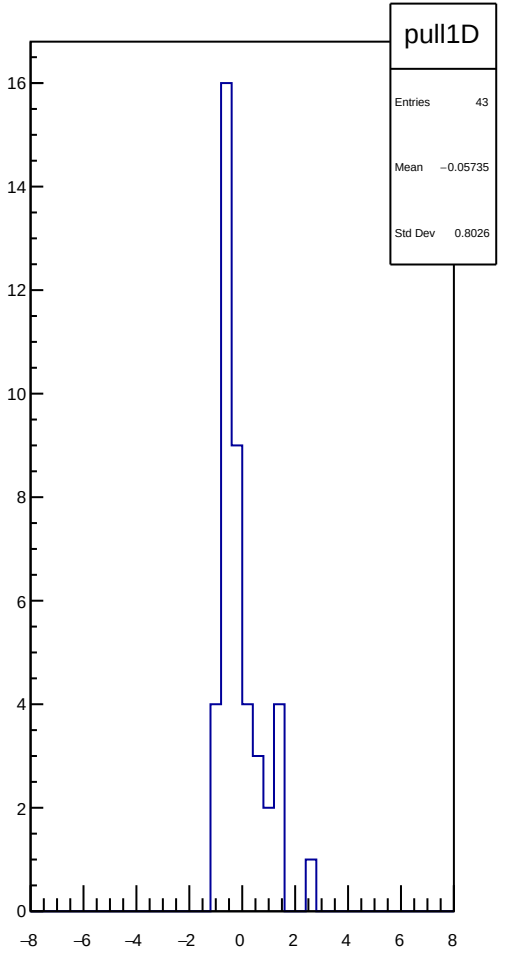

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.23 / 42
p0 −15.98 ± 9.996
150
100
50
0
−50
−100
−150
−200
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 131.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

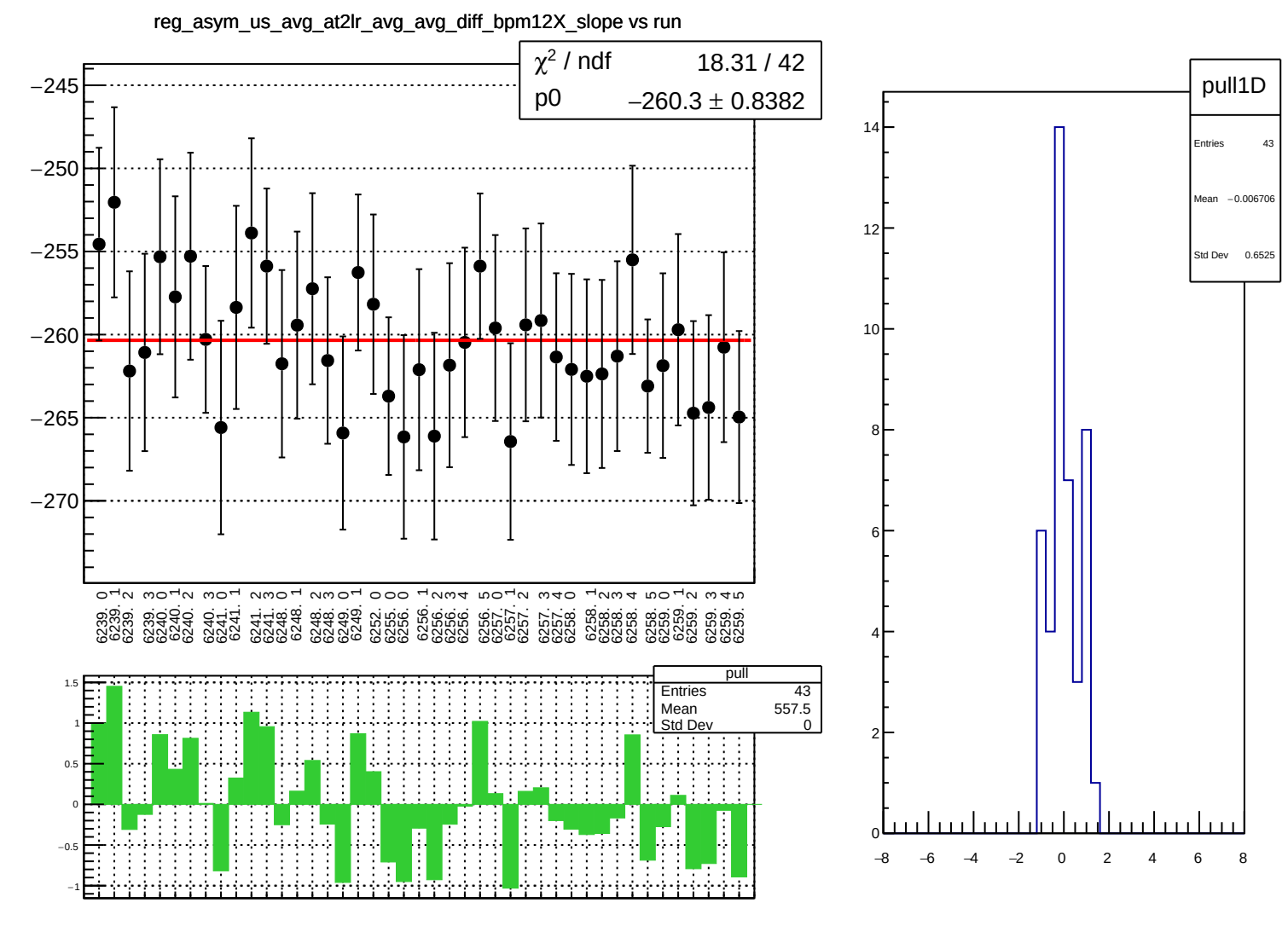

pull1D
Entries 43
Mean 0.05469
Std Dev 0.7791
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

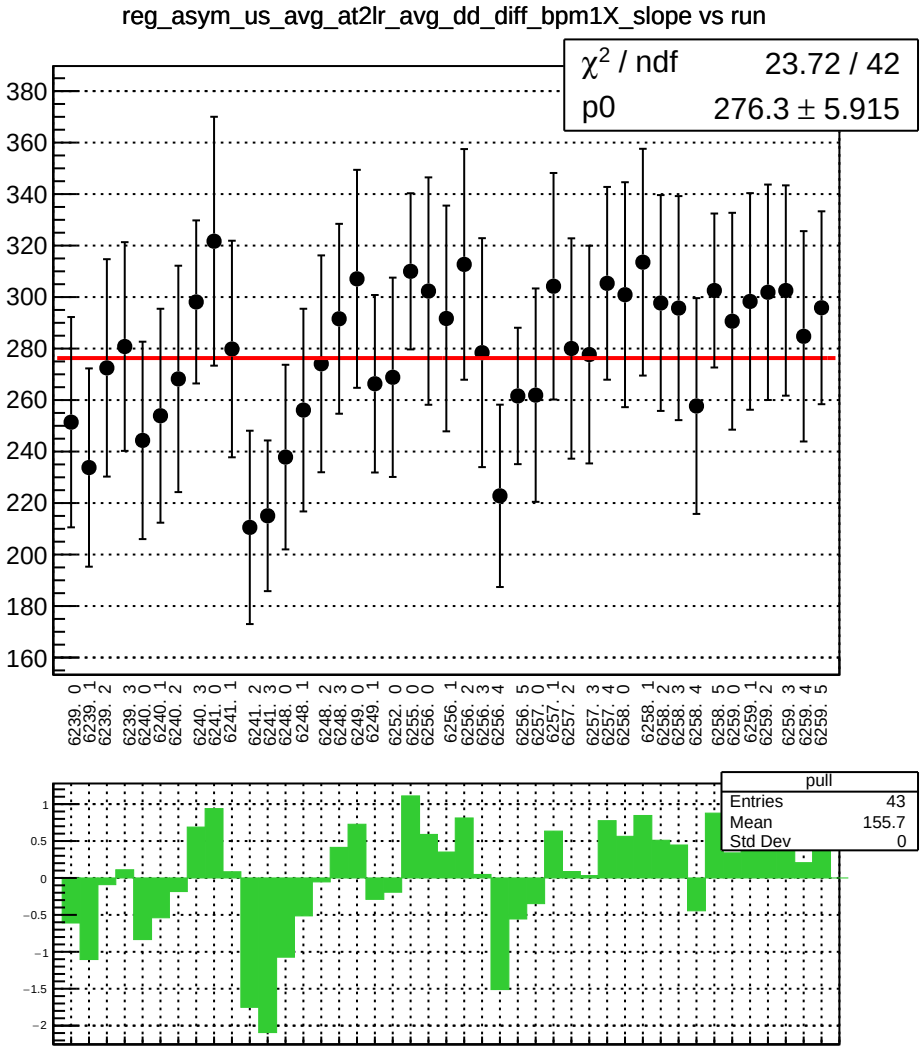

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.97 / 42
p0 573.3 ± 10.03
750
700
650
600
550
500
450
400
350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 202.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

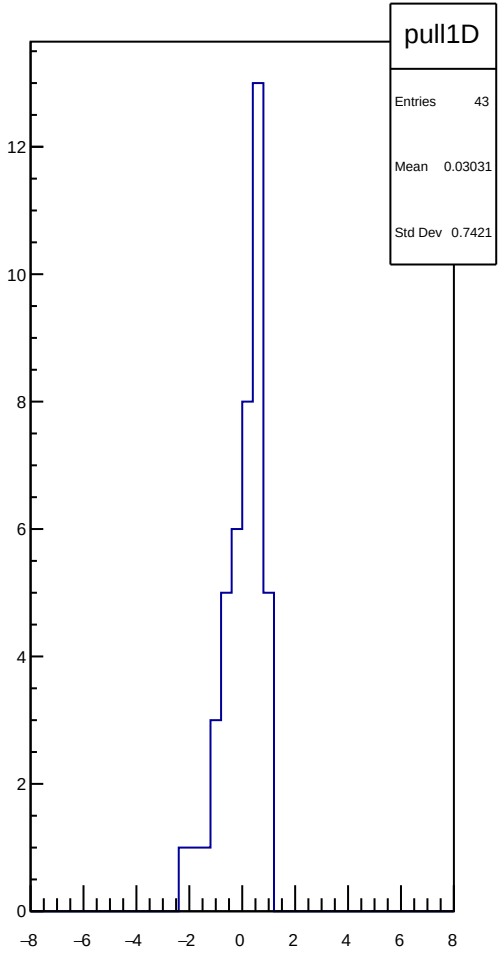

pull1D
Entries 43
Mean 0.03758
Std Dev 0.9389
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

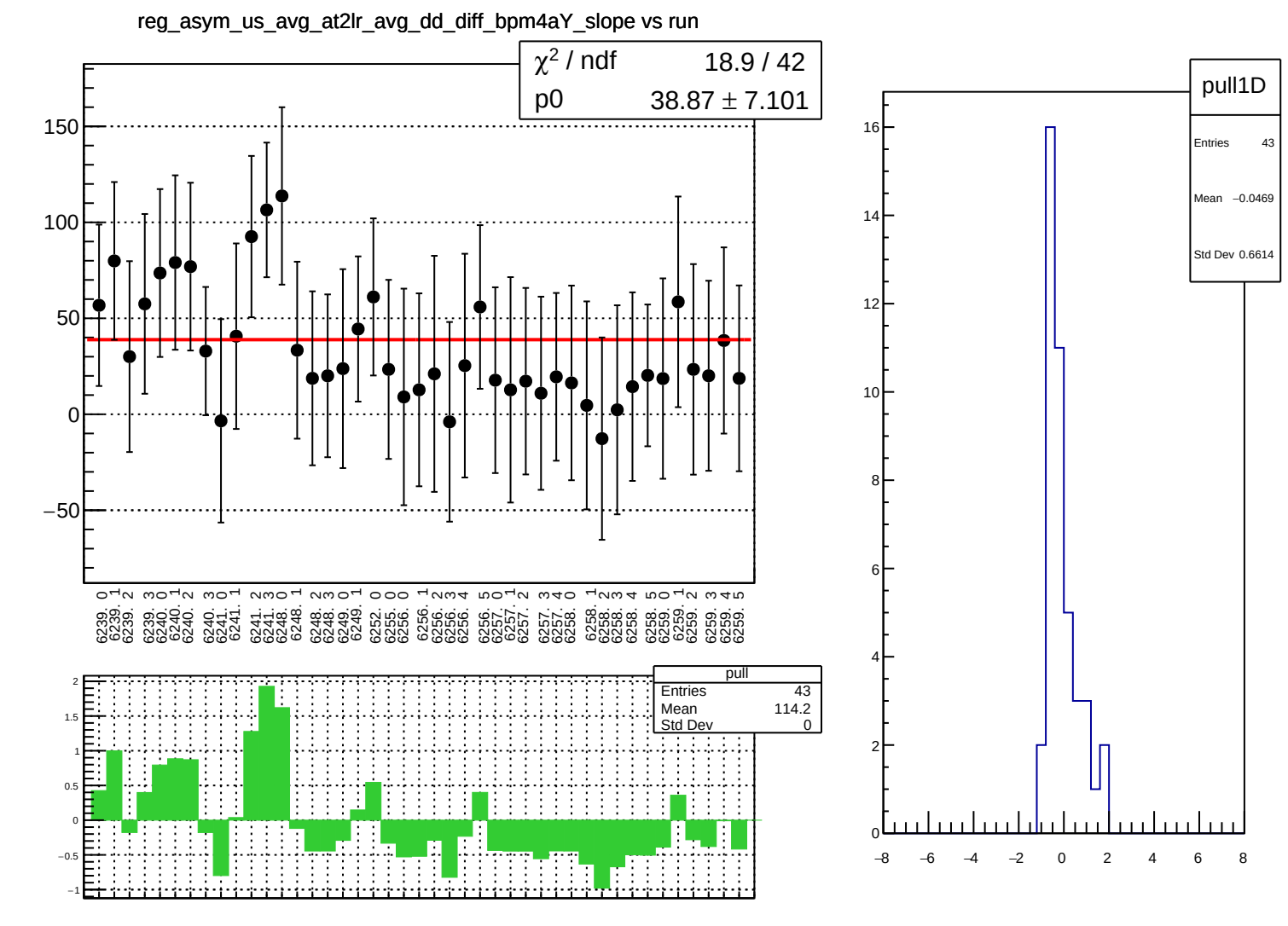

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.84 / 42
p0 161.6 ± 10.94
350
300
250
200
150
100
50
0
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 130
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

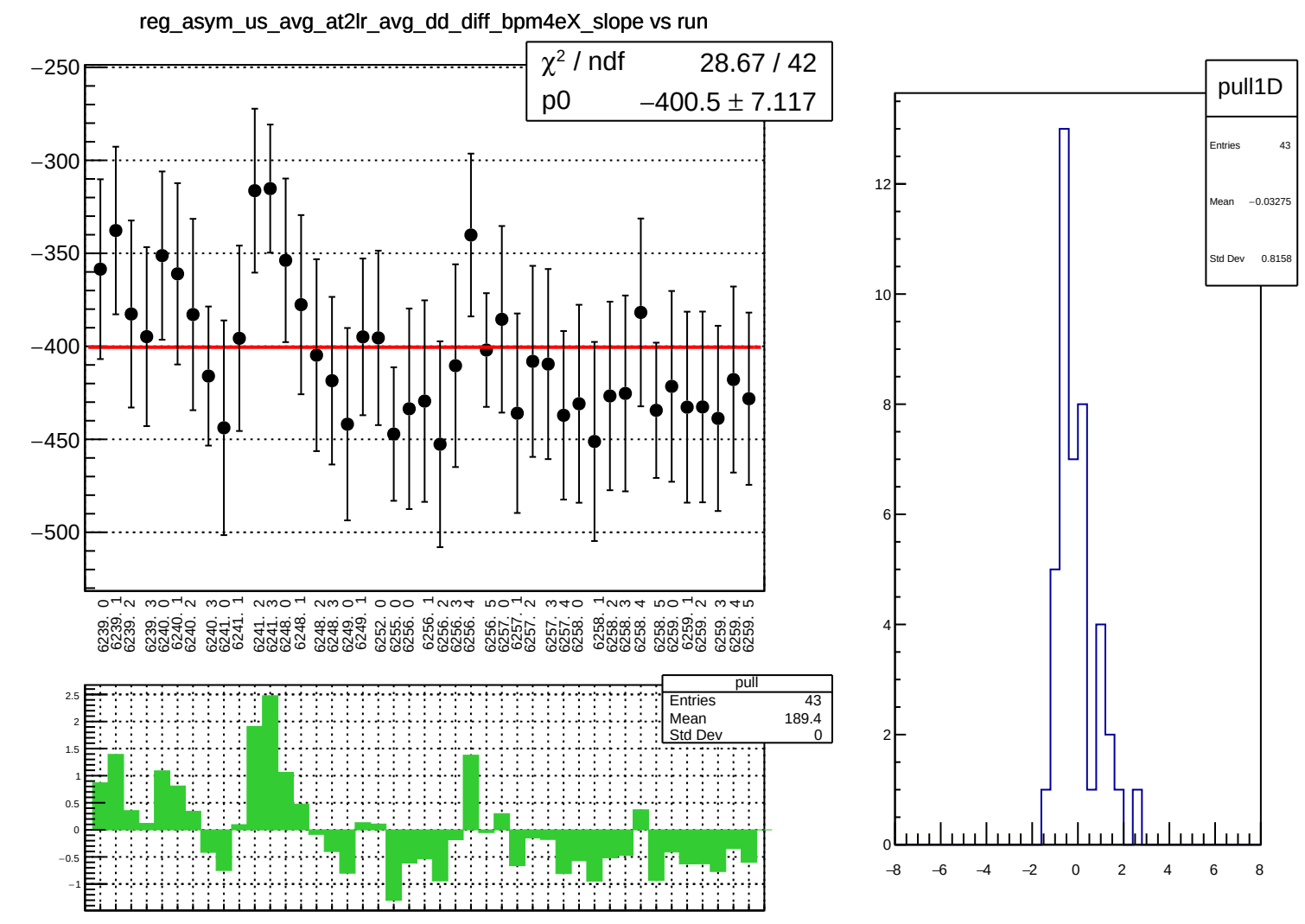

pull1D
Entries 43
Mean −0.05735
Std Dev 0.8026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

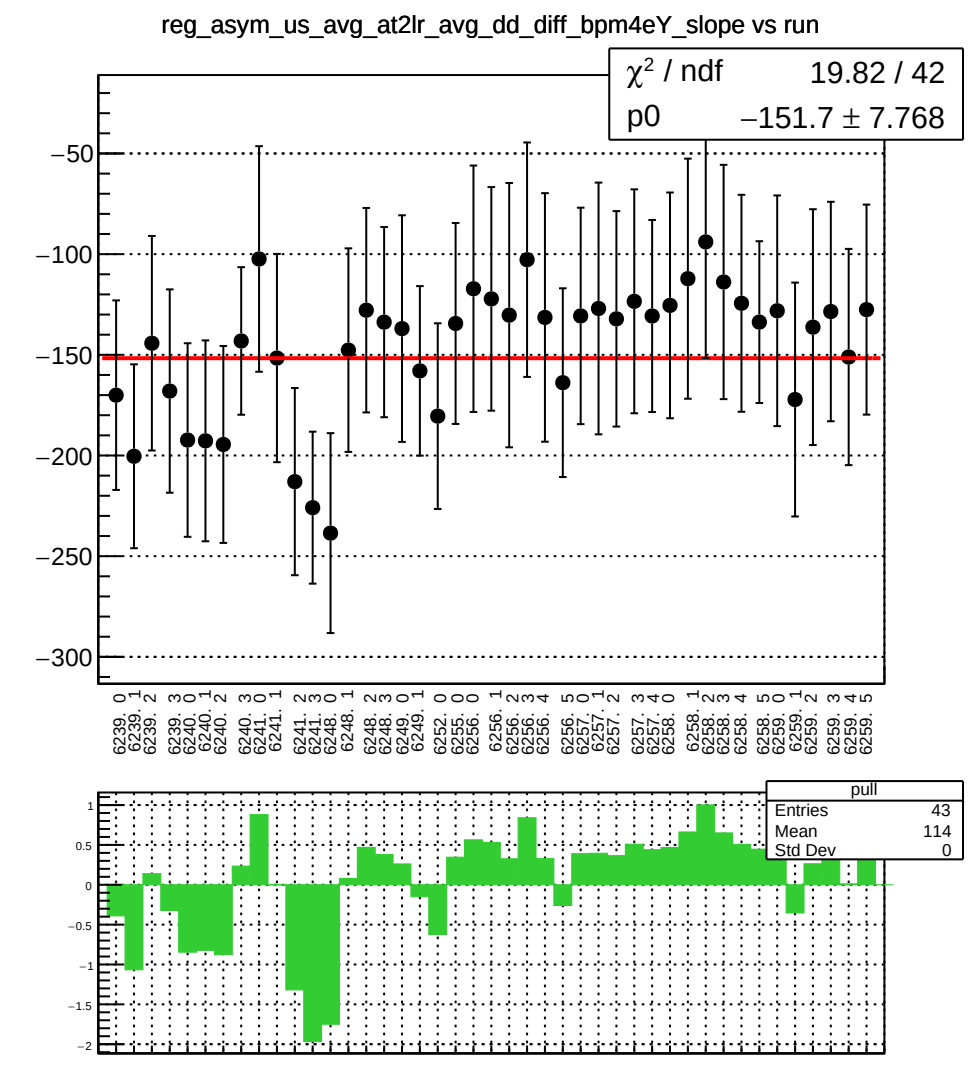

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.31 / 42
p0 −260.3 ± 0.8382
−245
−250
−255
−260
−265
−270
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 557.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.006706
Std Dev 0.6525
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

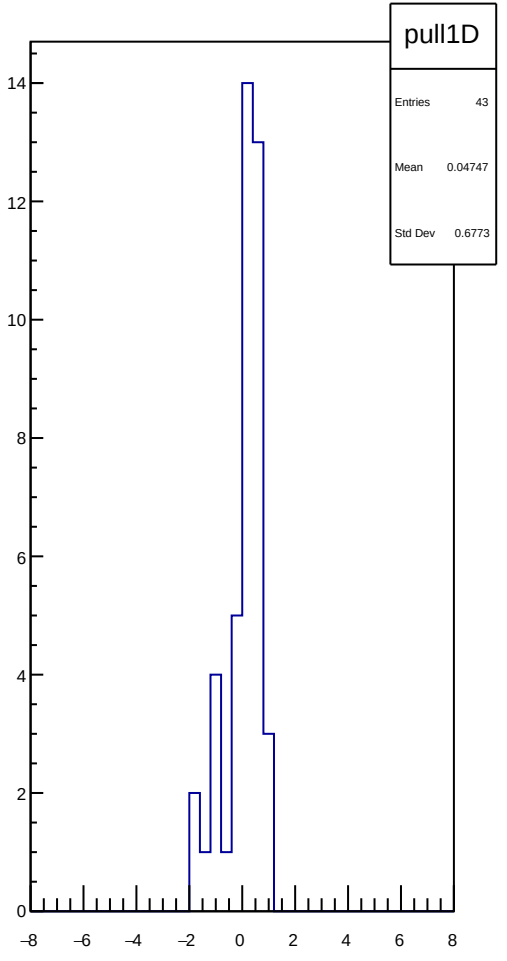

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 23.72 / 42
p0 276.3 ± 5.915
pull
Entries 43
Mean 155.7
Std Dev 0

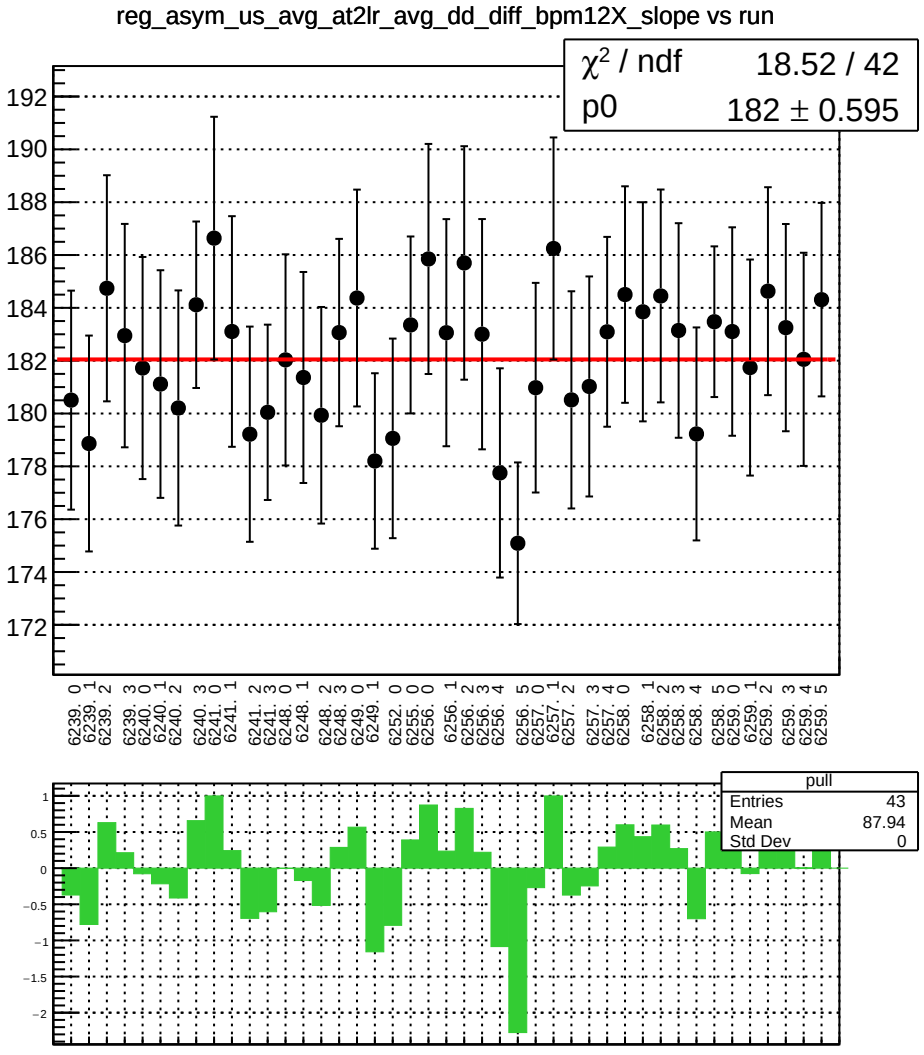

pull1D
Entries 43
Mean 0.03031
Std Dev 0.7421

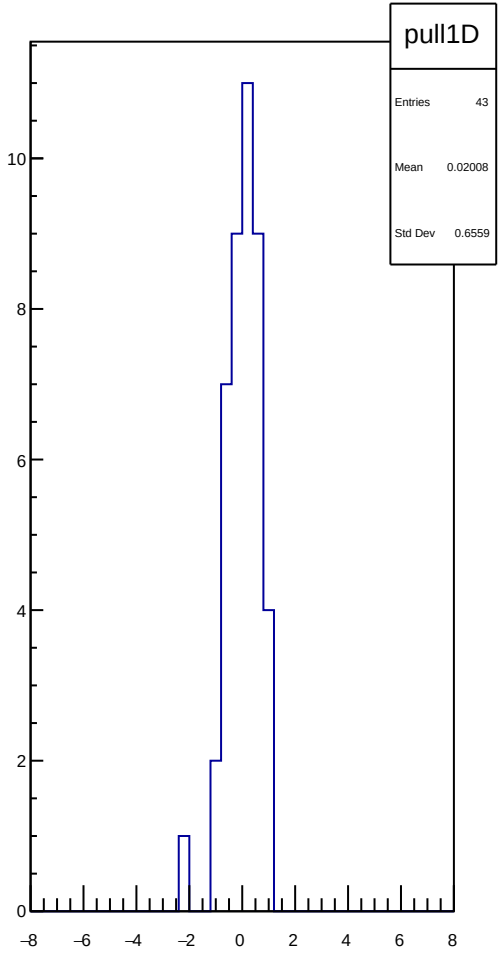

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.9 / 42
p0 38.87 ± 7.101
150
100
50
0
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.0469
Std Dev 0.6614
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

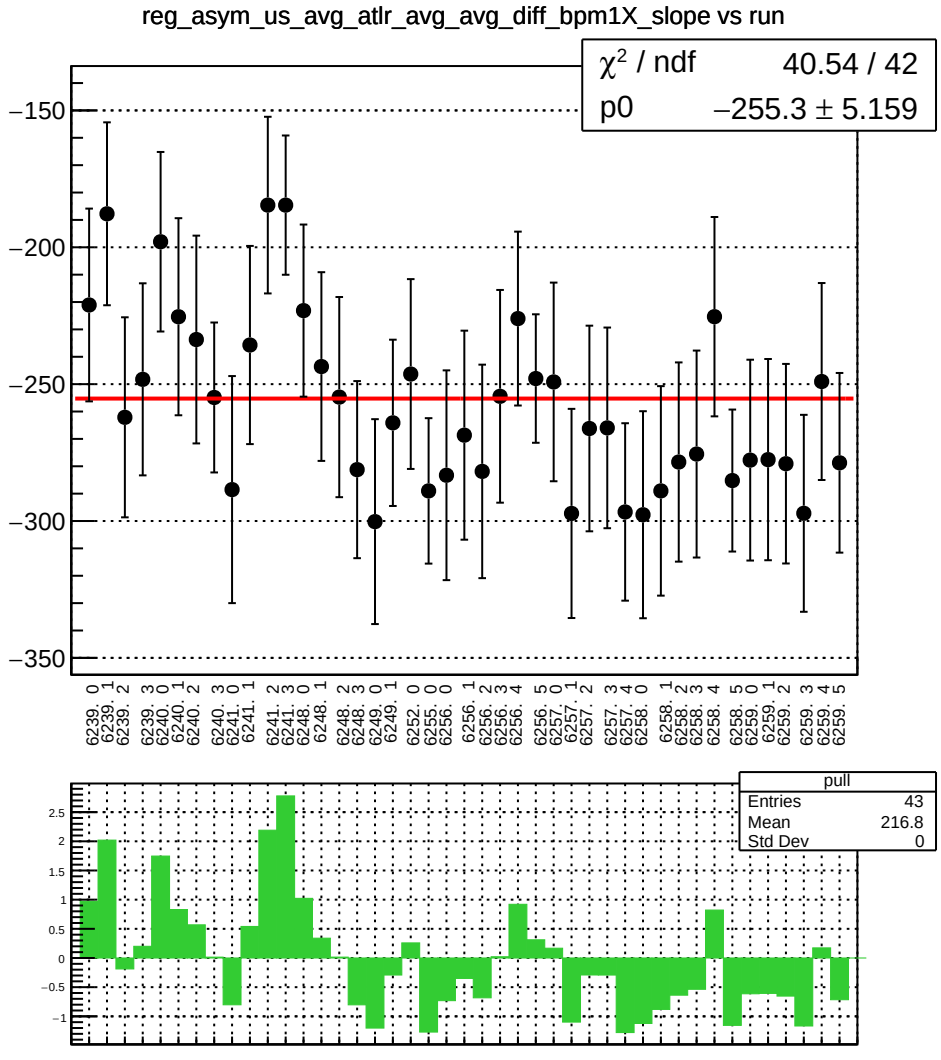

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.67 / 42
p0 −400.5 ± 7.117
−250
−300
−350
−400
−450
−500
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 189.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 43
Mean −0.03275
Std Dev 0.8158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

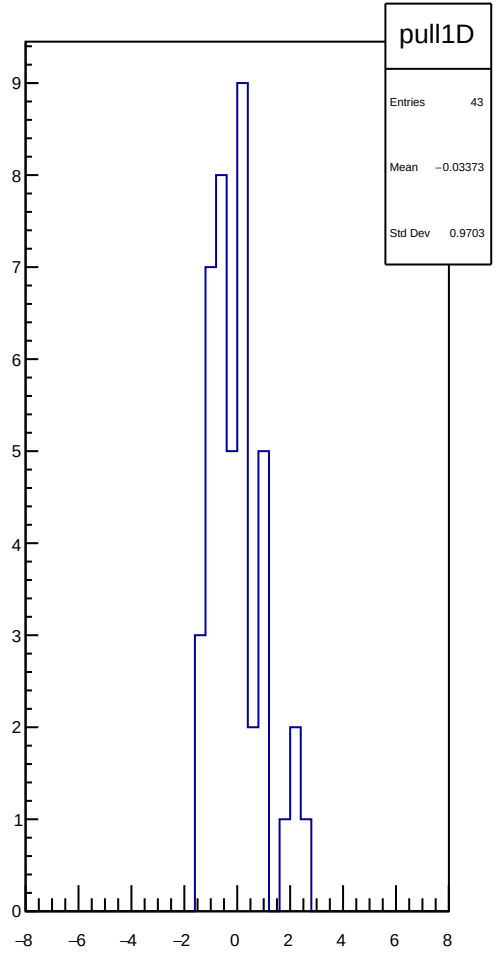

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.82 / 42
p0 −151.7 ± 7.768
−50
−100
−150
−200
−250
−300
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 114
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

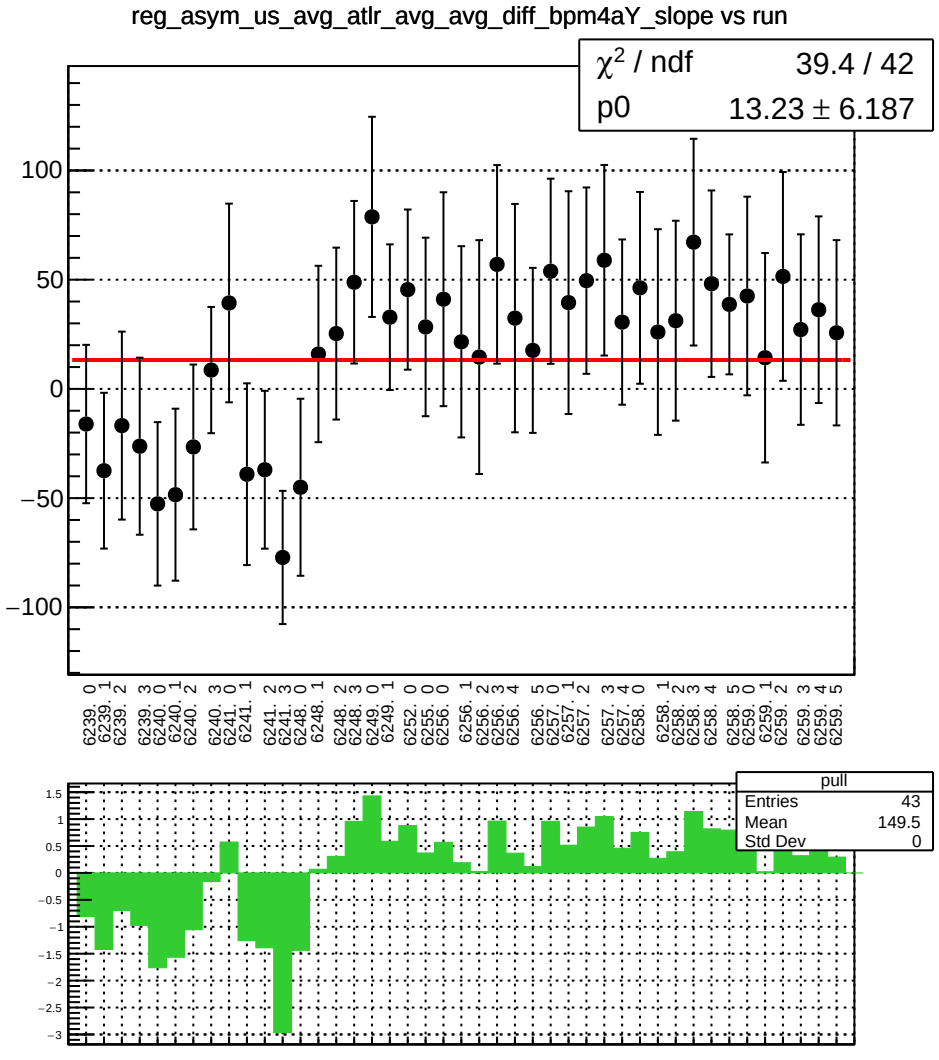

pull1D
Entries 43
Mean 0.04747
Std Dev 0.6773
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

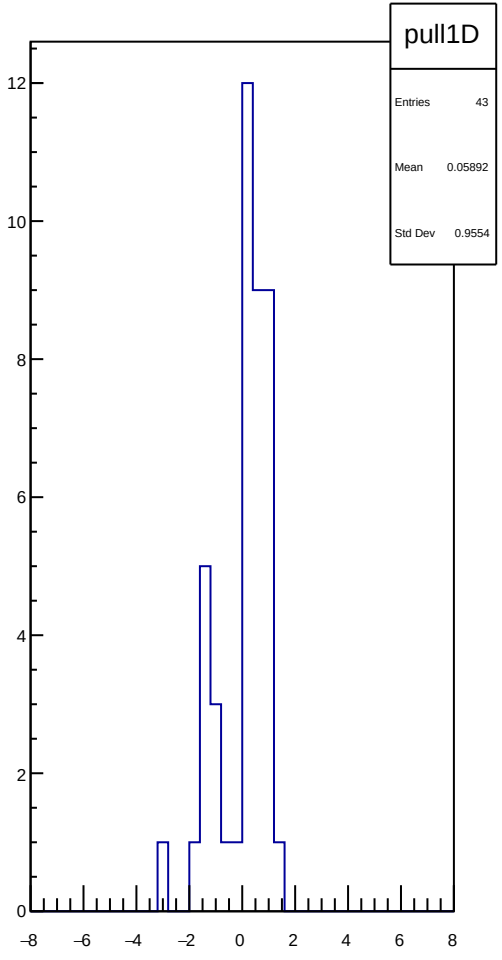

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 18.52 / 42
p0 182 ± 0.595
192
190
188
186
184
182
180
178
176
174
172
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 87.94
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

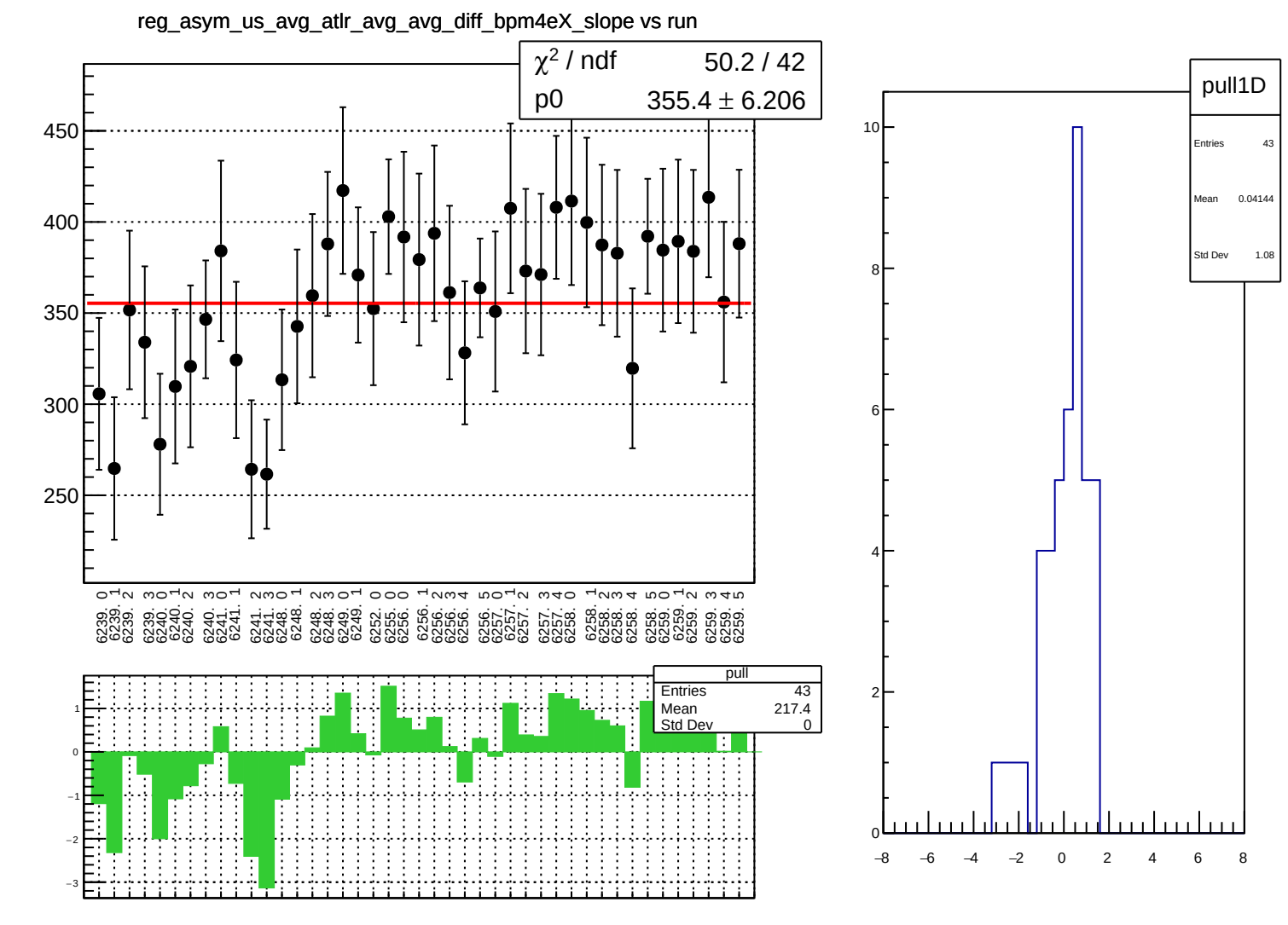

pull1D
Entries 43
Mean 0.02008
Std Dev 0.6559
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

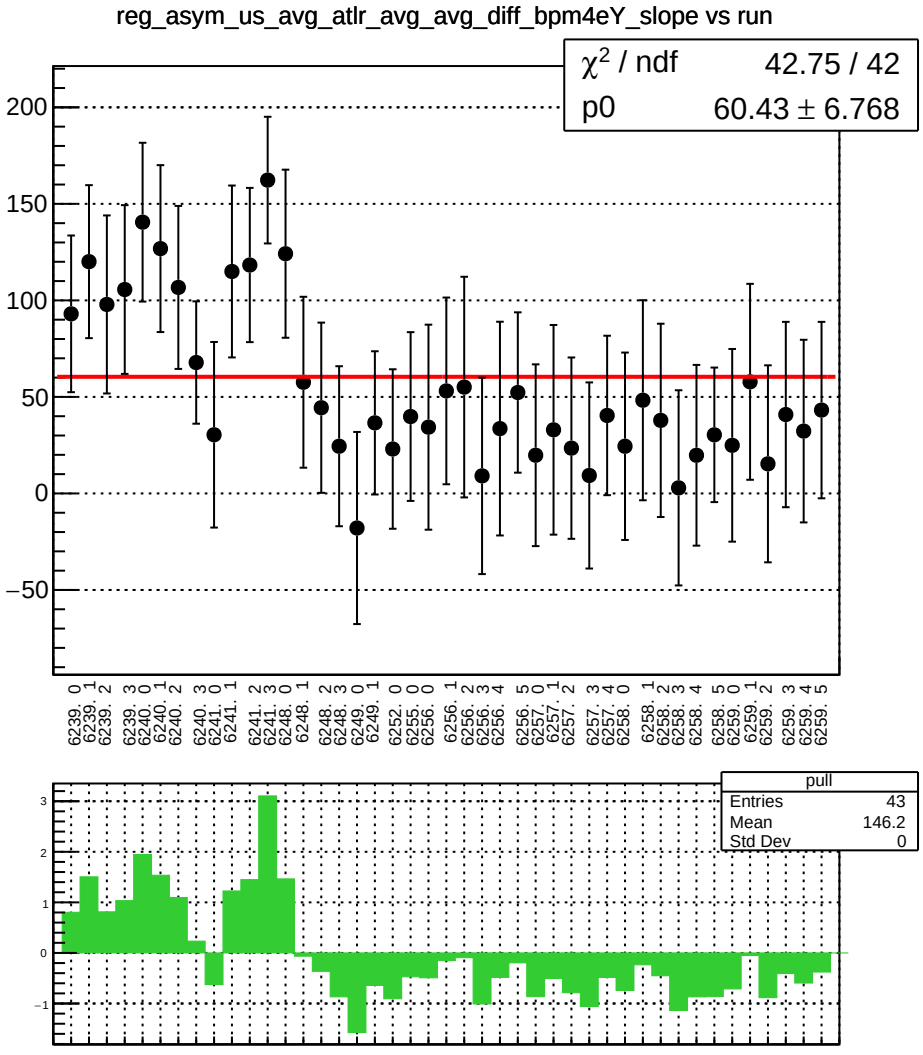

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 40.54 / 42
p0 −255.3 ± 5.159
−150
−200
−250
−300
−350
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 216.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

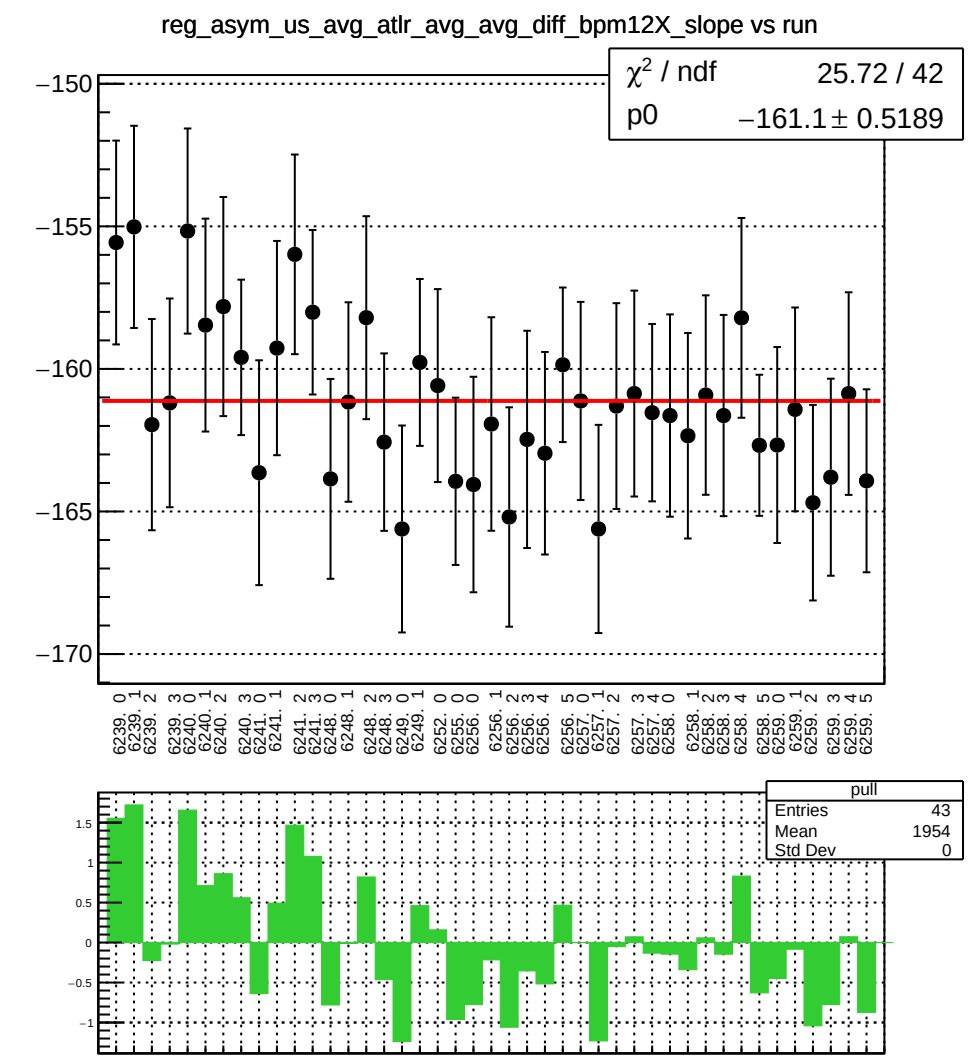

pull1D
Entries 43
Mean −0.03373
Std Dev 0.9703
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

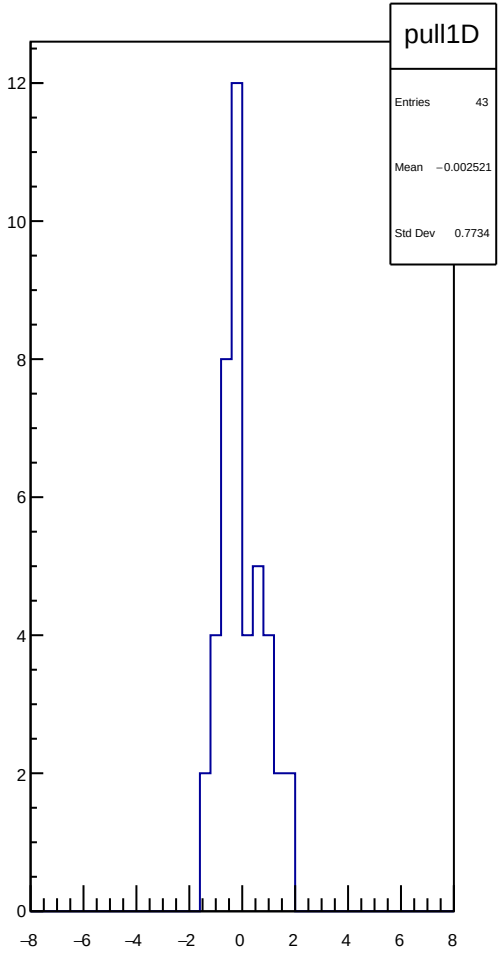

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.4 / 42
p0 13.23 ± 6.187
100
50
0
−50
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 149.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

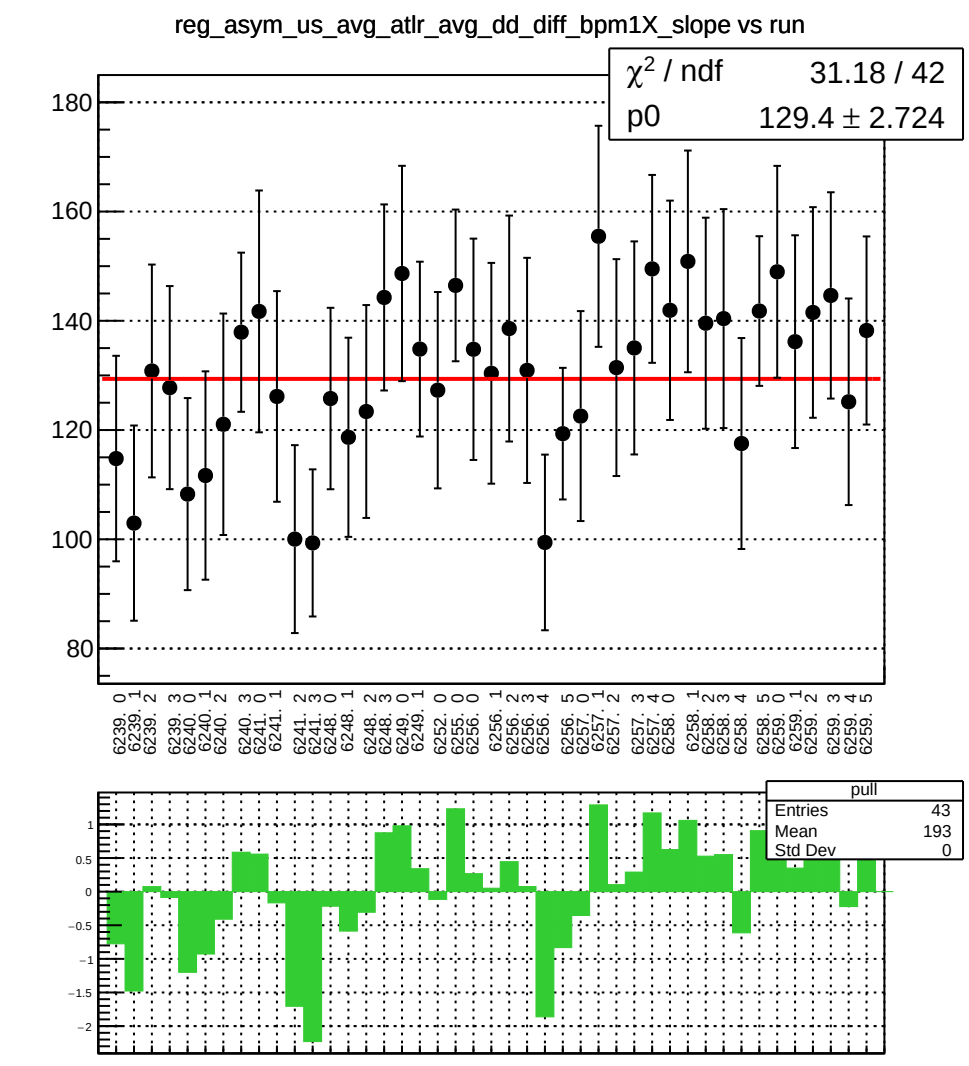

pull1D
Entries 43
Mean 0.05892
Std Dev 0.9554
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

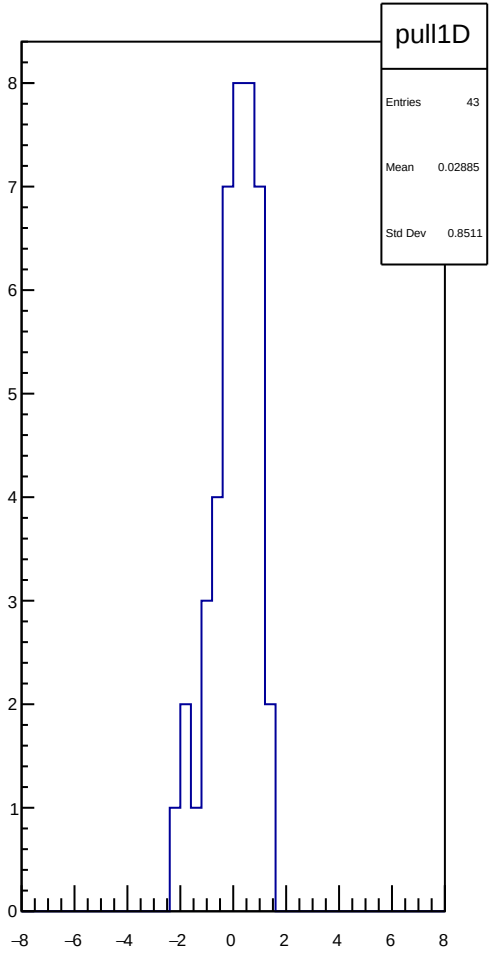

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.2 / 42
p0 355.4 ± 6.206
450
400
350
300
250
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 217.4
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 43
Mean 0.04144
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

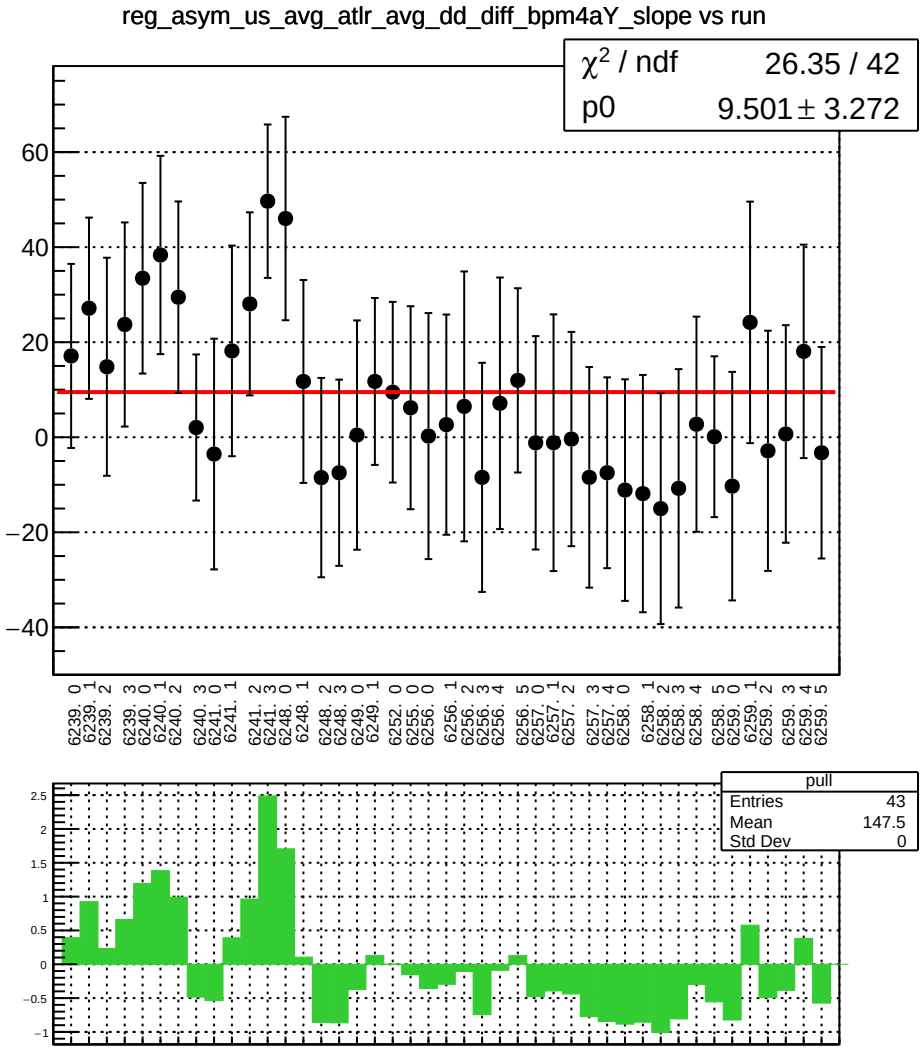

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.75 / 42
p0 60.43 ± 6.768
200
150
100
50
0
−50
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 146.2
Std Dev 0
3
2
1
0
−1
pull1D
Entries 43
Mean −0.06403
Std Dev 0.995
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

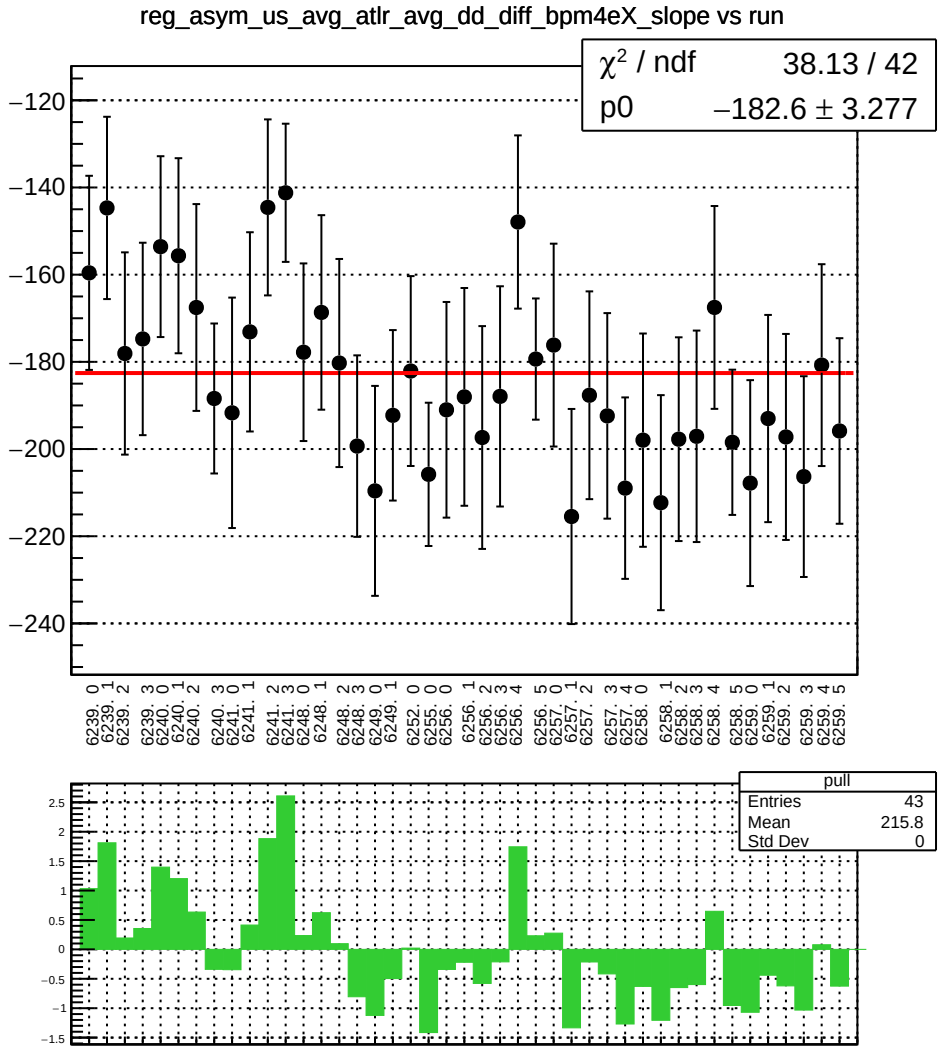

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 25.72 / 42
p0 −161.1 ± 0.5189
−150
−155
−160
−165
−170
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 1954
Std Dev 0
1.5
1
0.5
0
−0.5
−1

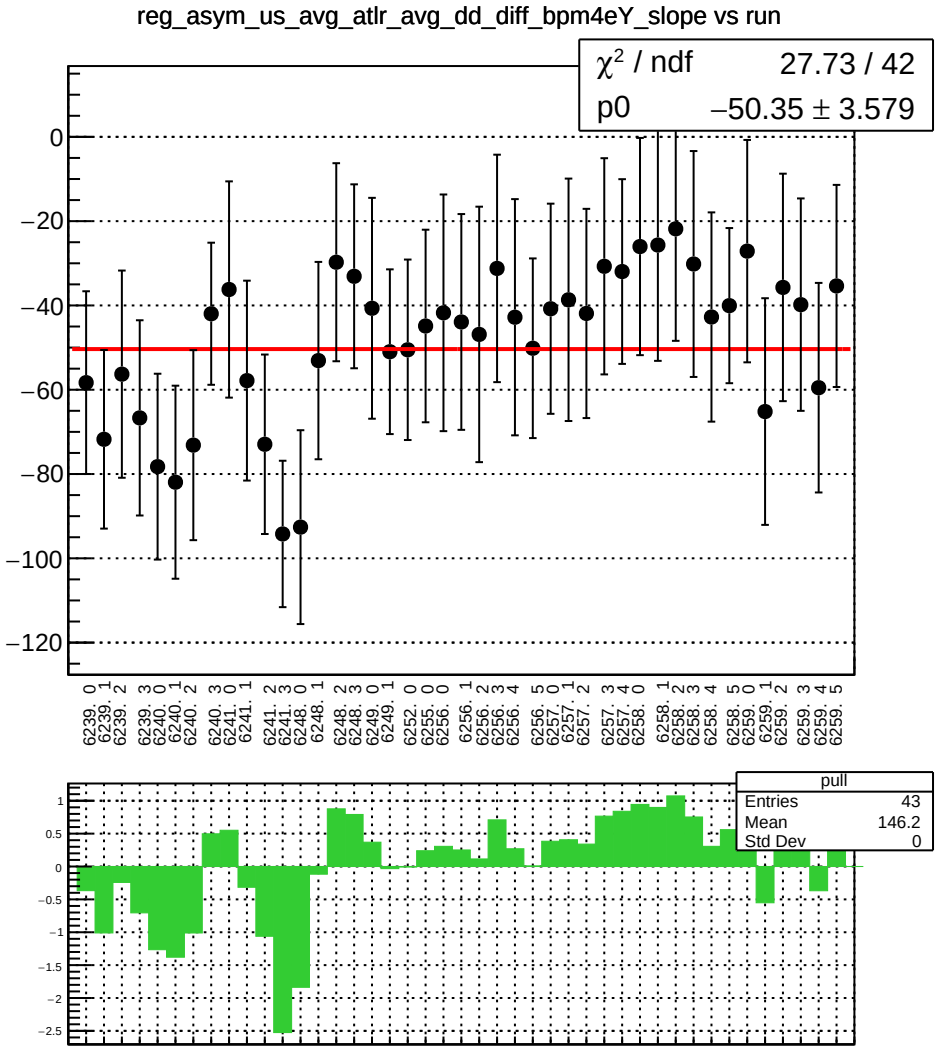

pull1D
Entries 43
Mean −0.002521
Std Dev 0.7734
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

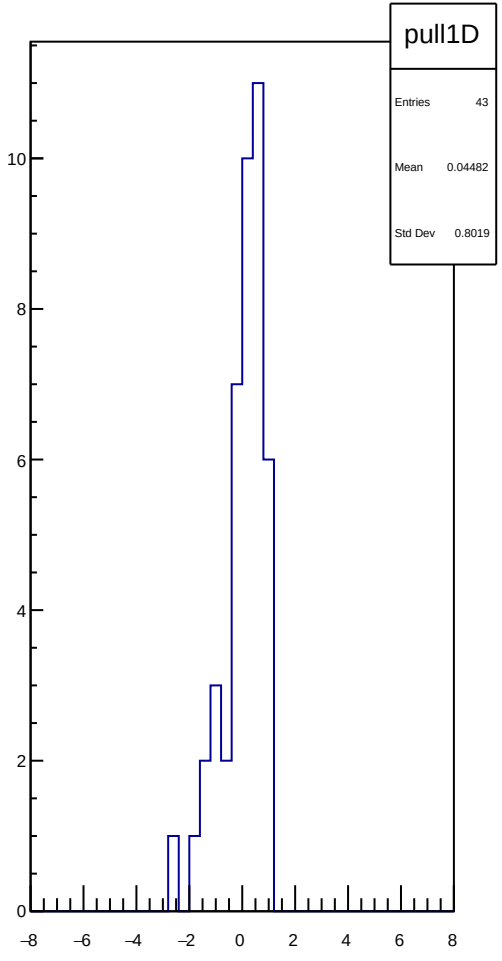

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 31.18 / 42
p0 129.4 ± 2.724
180
160
140
120
100
80
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 193
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

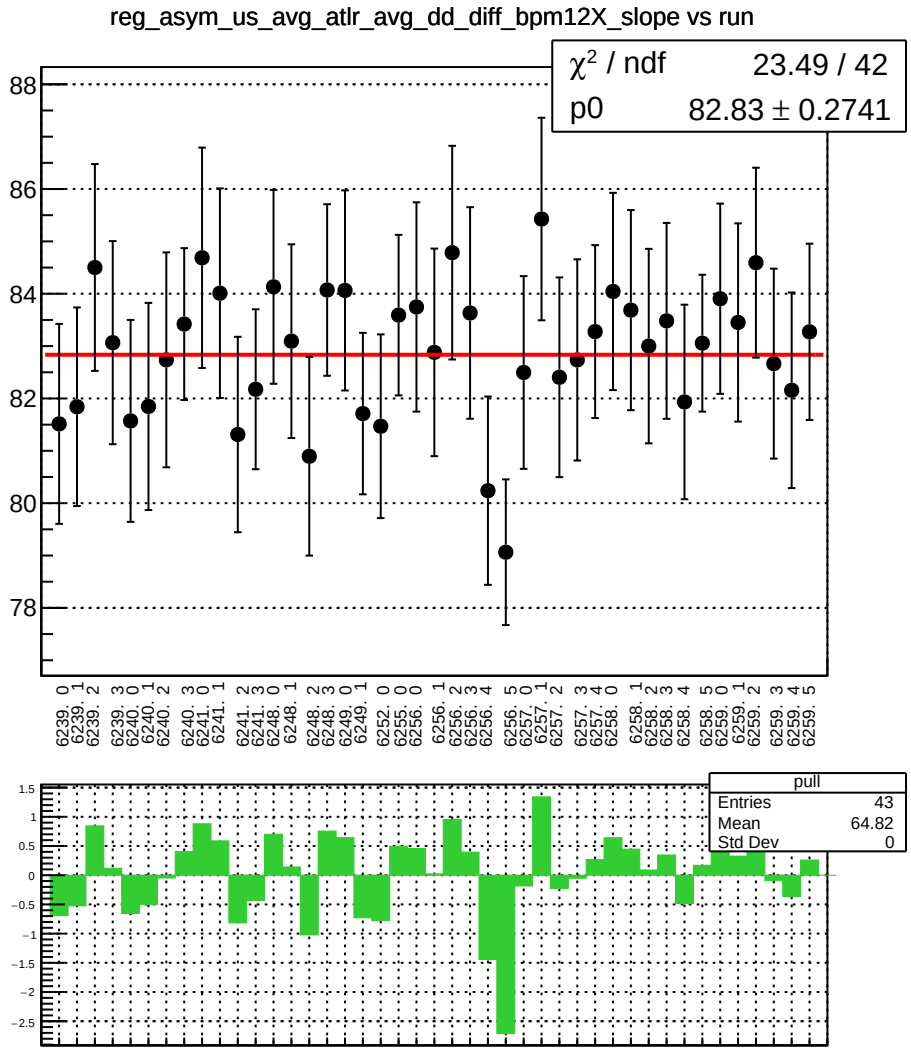

pull1D
Entries 43
Mean 0.02885
Std Dev 0.8511
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

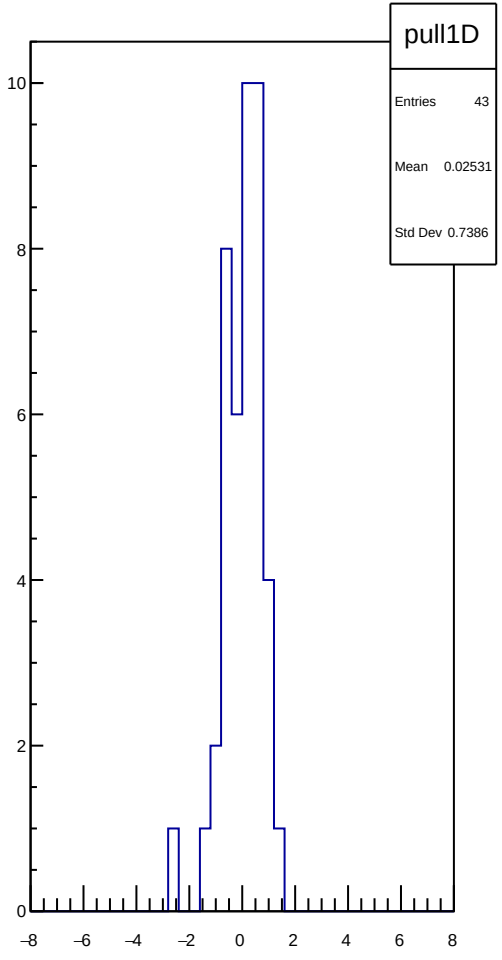

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.35 / 42
p0 9.501 ± 3.272
pull
Entries 43
Mean 147.5
Std Dev 0
pull1D
Entries 43
Mean −0.04244
Std Dev 0.7817

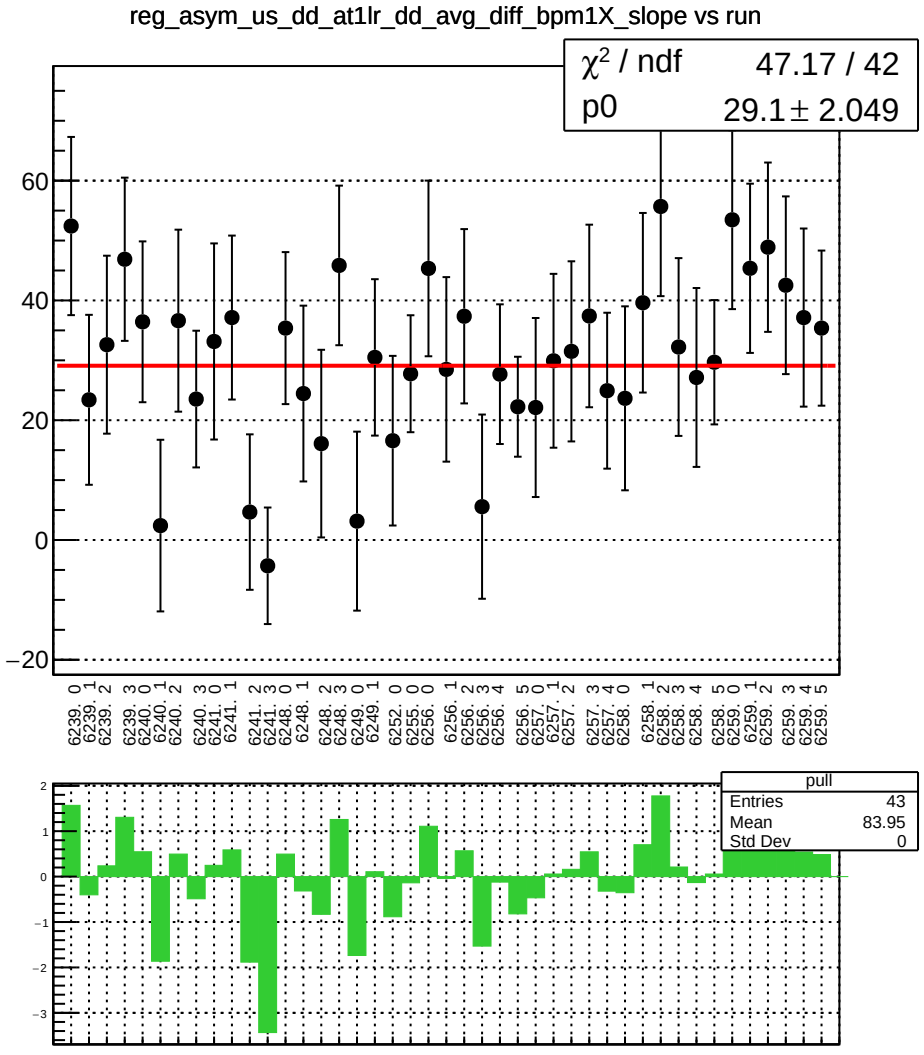

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 42
p0 −182.6 ± 3.277
−120
−140
−160
−180
−200
−220
−240
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 215.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.03354
Std Dev 0.9411
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

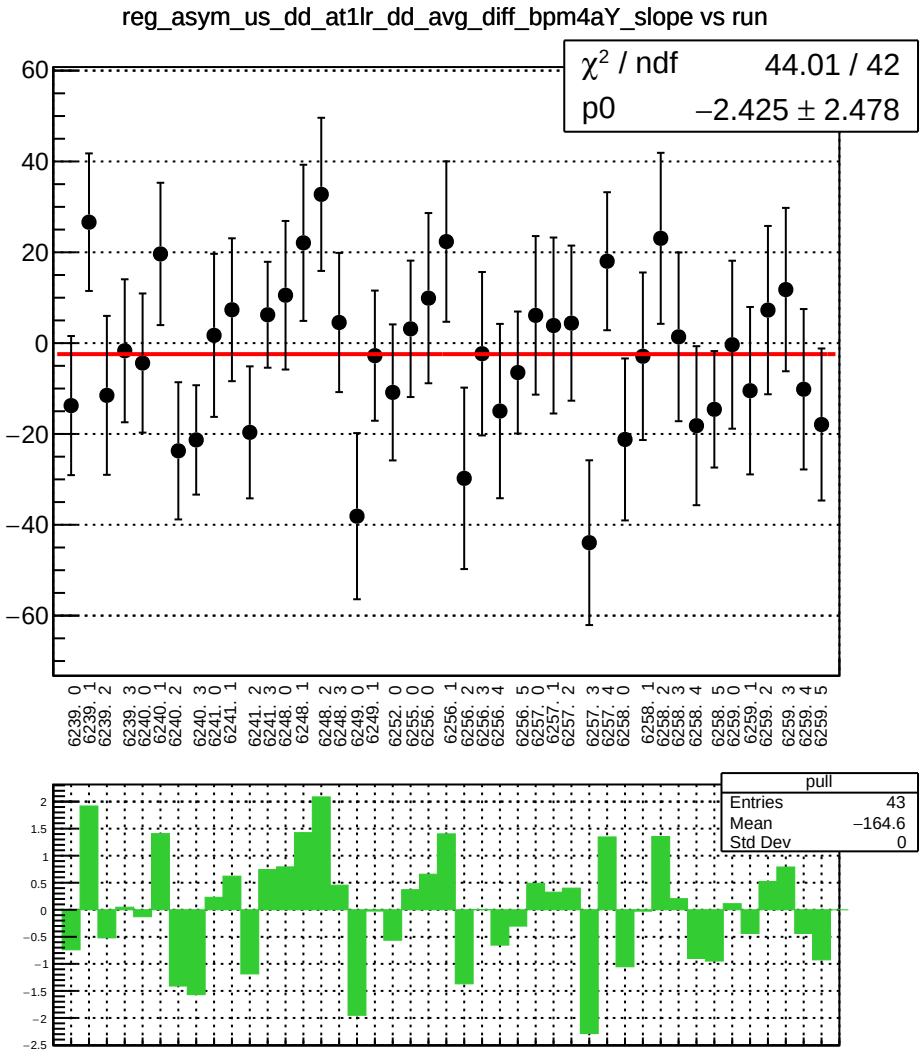

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.73 / 42
p0 −50.35 ± 3.579
pull
Entries 43
Mean 146.2
Std Dev 0

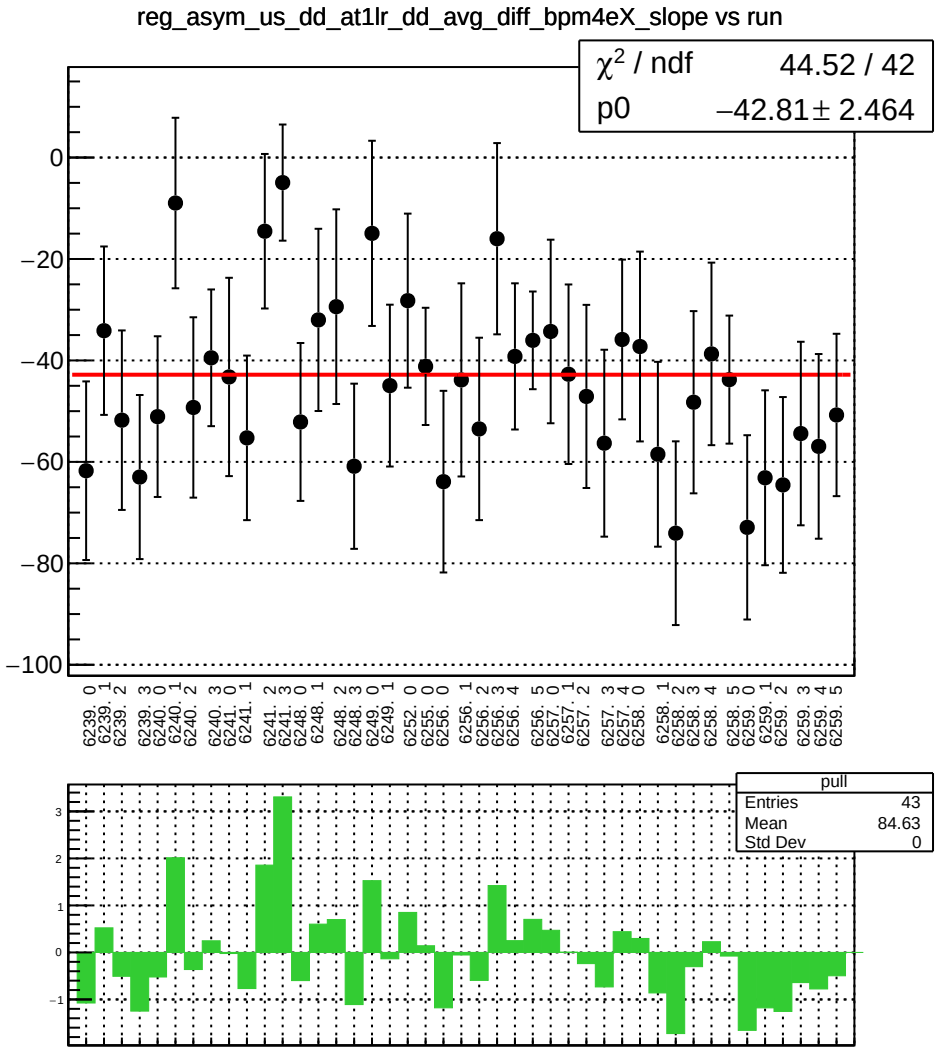

pull1D
Entries 43
Mean 0.04482
Std Dev 0.8019

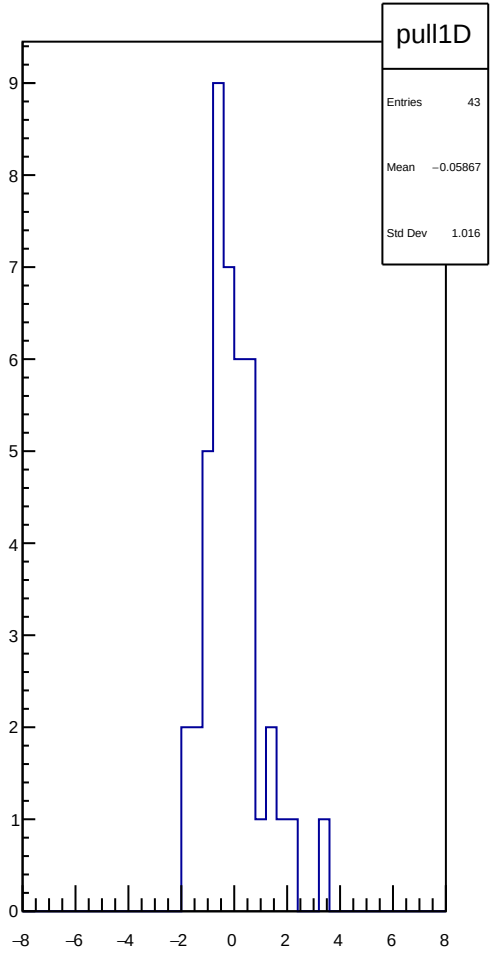

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 23.49 / 42
p0 82.83 ± 0.2741
88
86
84
82
80
78
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 64.82
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

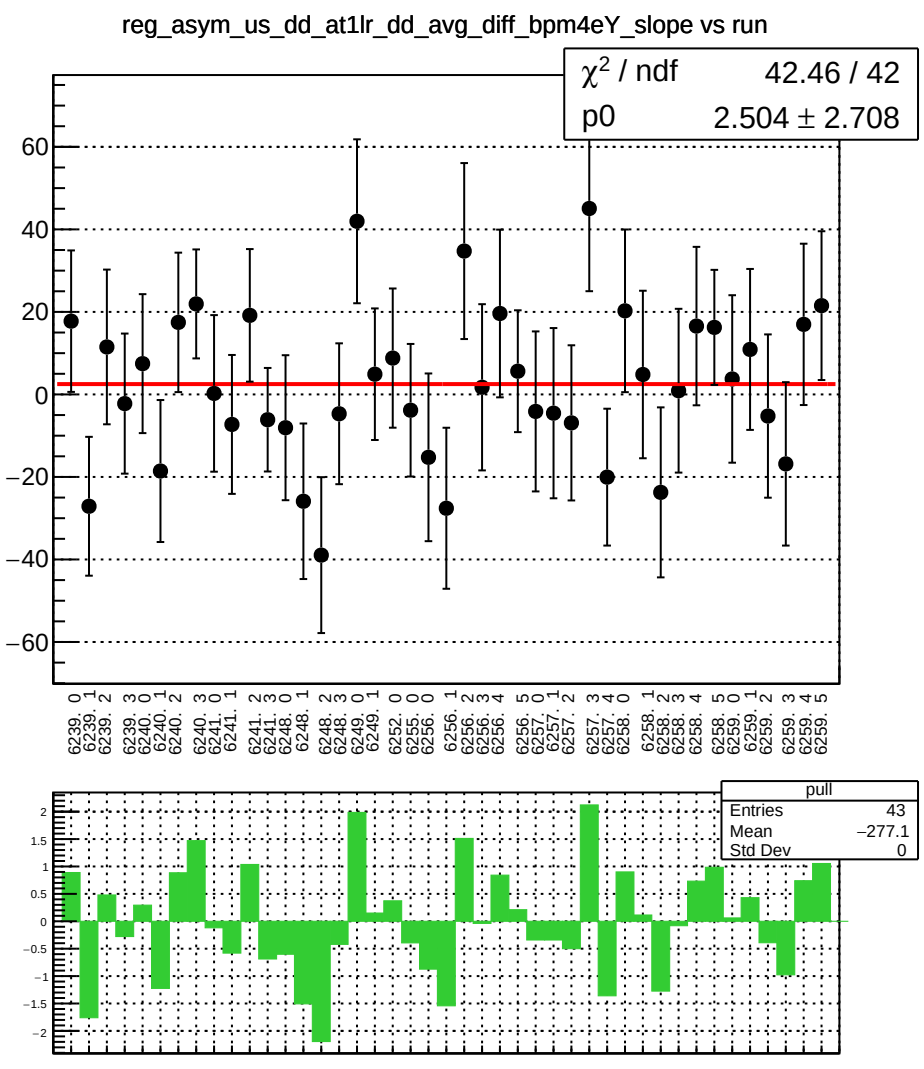

pull1D
Entries 43
Mean 0.02531
Std Dev 0.7386
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

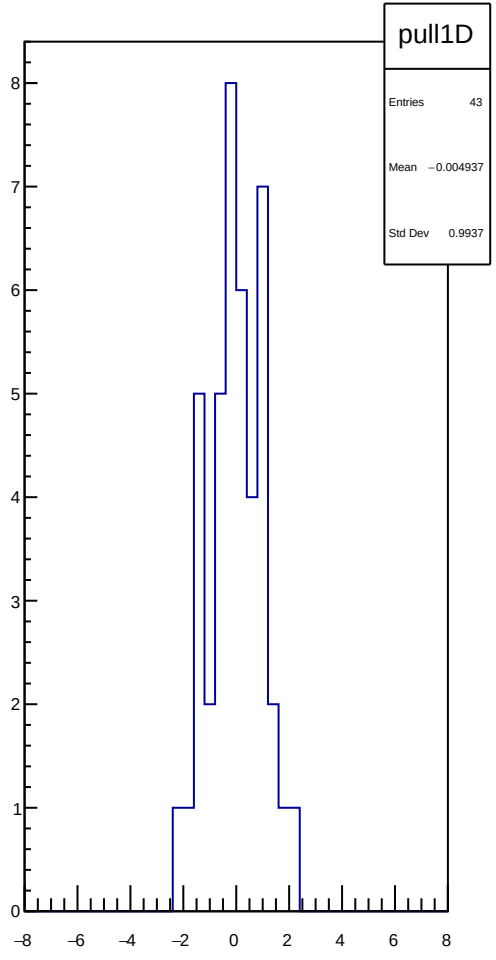

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 47.17 / 42
p0 29.1 ± 2.049
pull
Entries 43
Mean 83.95
Std Dev 0
pull1D
Entries 43
Mean 0.0555
Std Dev 1.046

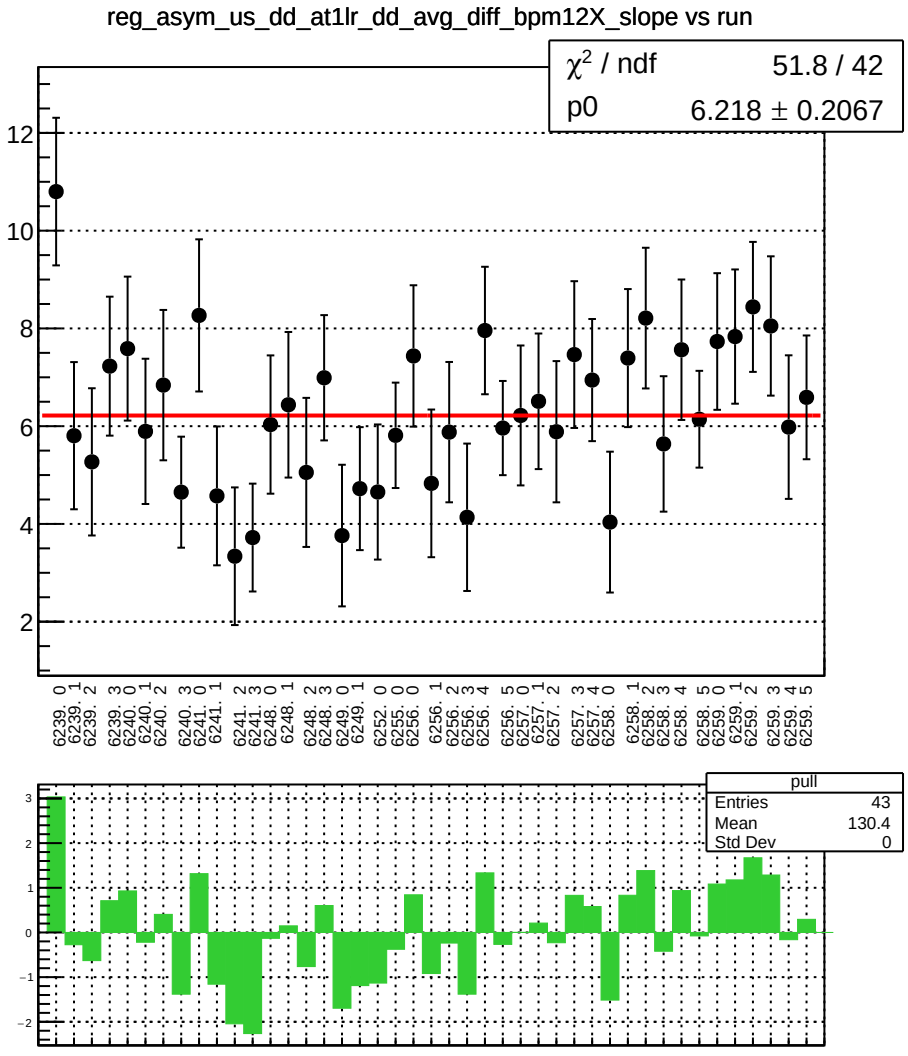

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.01 / 42
p0 −2.425 ± 2.478
pull
Entries 43
Mean −164.6
Std Dev 0
pull1D
Entries 43
Mean 0.006657
Std Dev 1.012

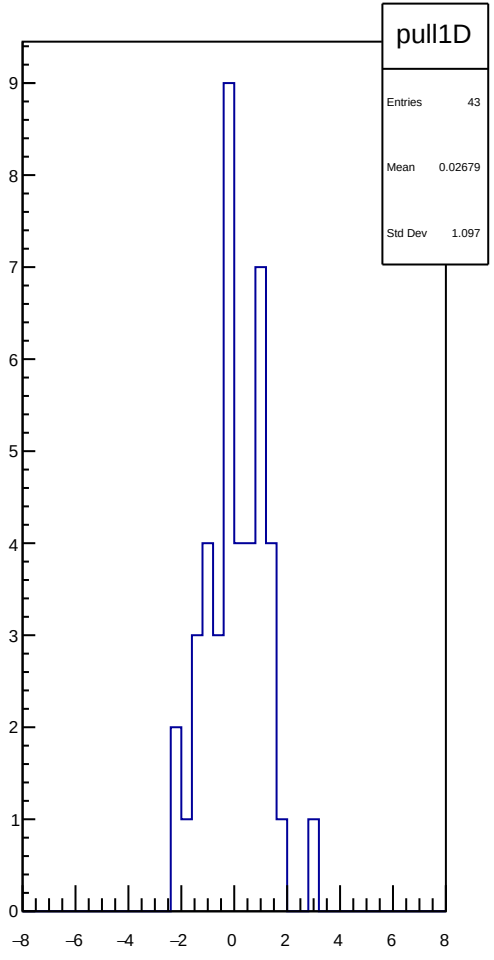

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.52 / 42
p0 −42.81 ± 2.464
0
−20
−40
−60
−80
−100
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 84.63
Std Dev 0
3
2
1
0
−1

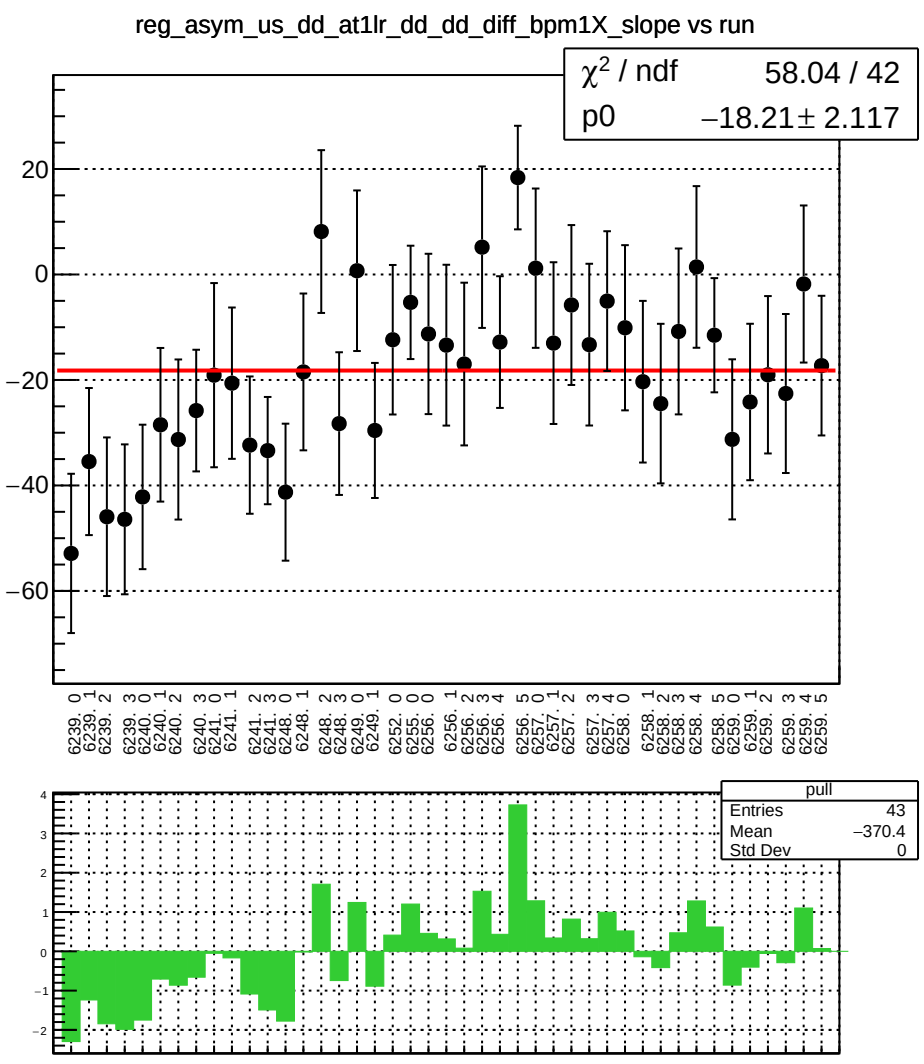

pull1D
Entries 43
Mean −0.05867
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

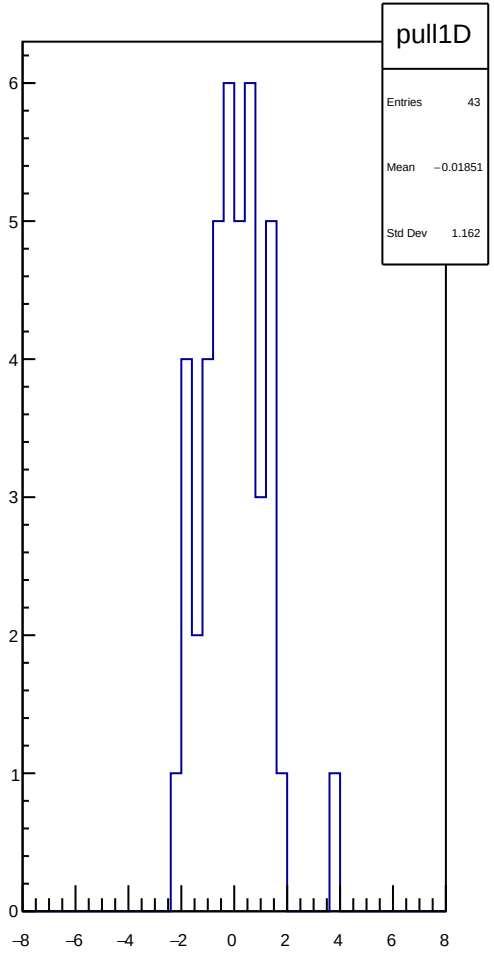

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.46 / 42
p0 2.504 ± 2.708
pull
Entries 43
Mean −277.1
Std Dev 0

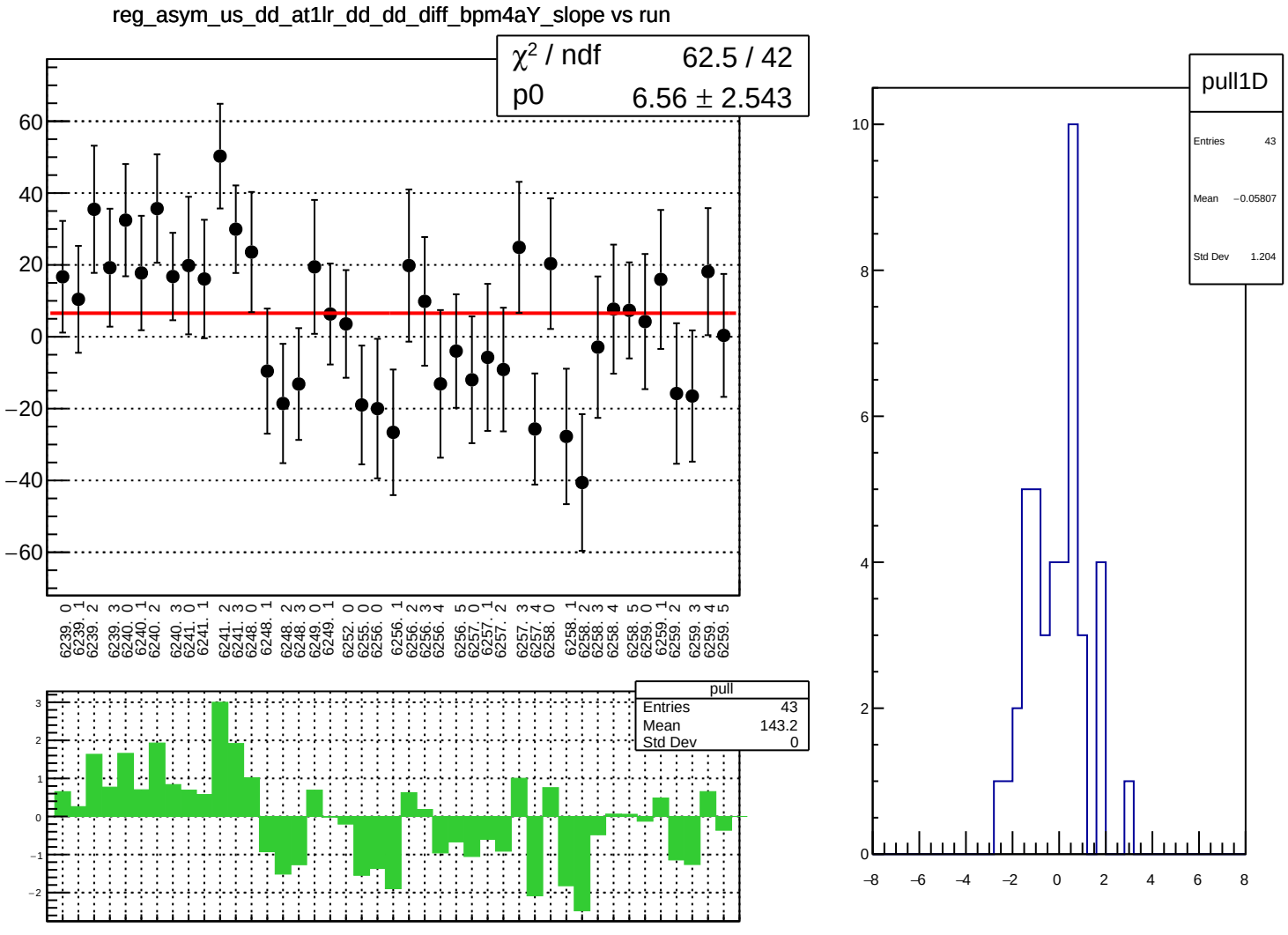

pull1D
Entries 43
Mean −0.004937
Std Dev 0.9937

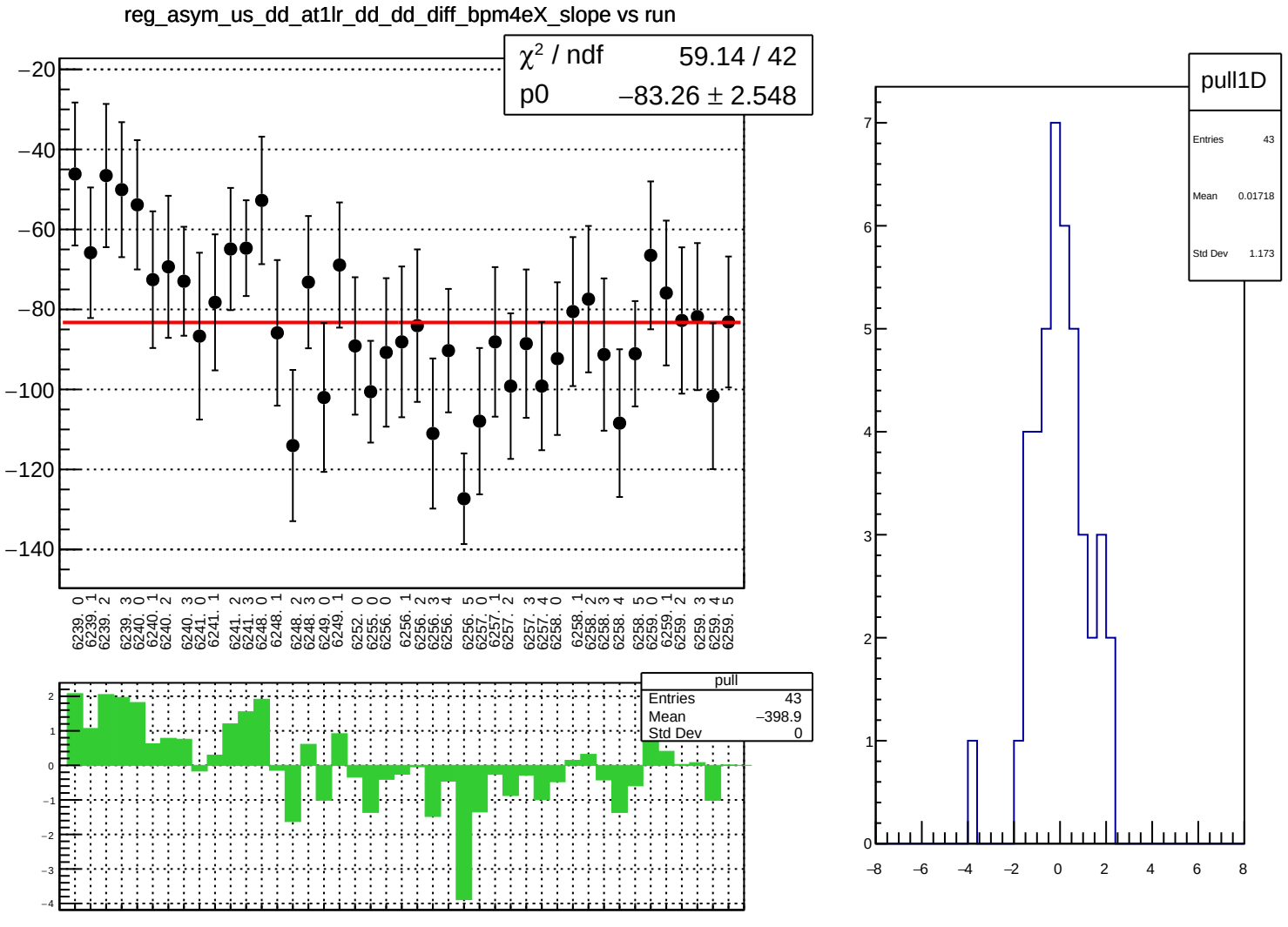

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 51.8 / 42
p0 6.218 ± 0.2067
pull
Entries 43
Mean 130.4
Std Dev 0

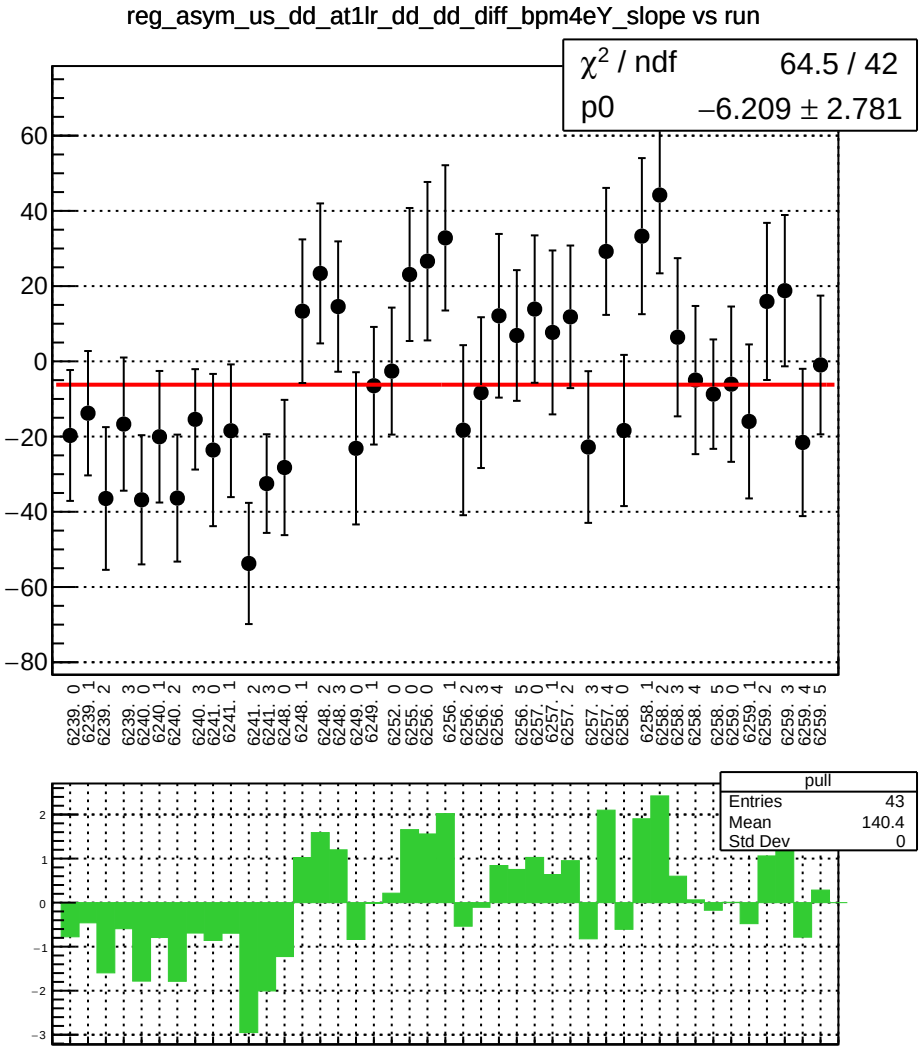

pull1D
Entries 43
Mean 0.02679
Std Dev 1.097

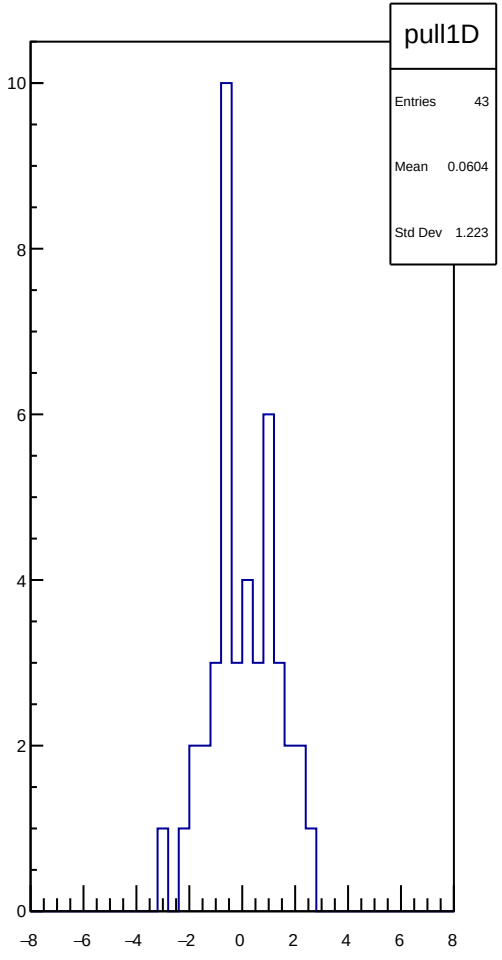

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 58.04 / 42
p0 −18.21± 2.117
20
0
−20
−40
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −370.4
Std Dev 0
4
3
2
1
0
−1
−2

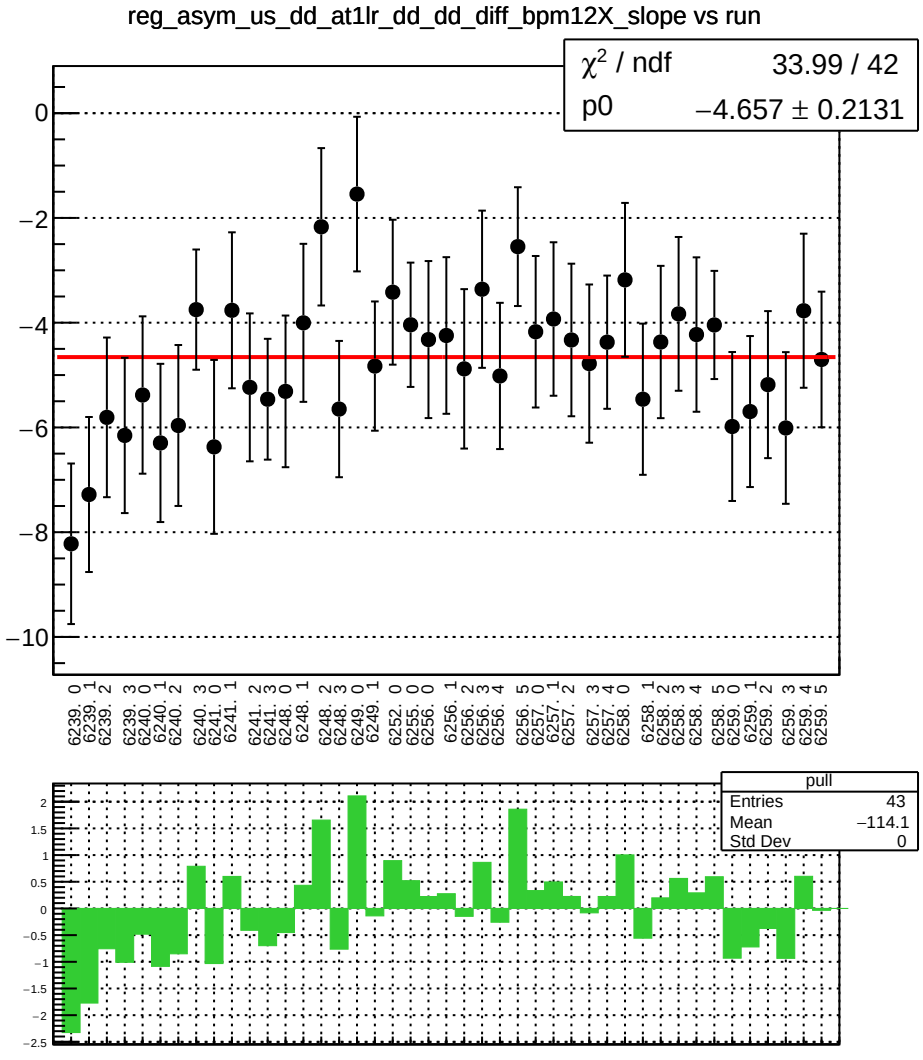

pull1D
Entries 43
Mean −0.01851
Std Dev 1.162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

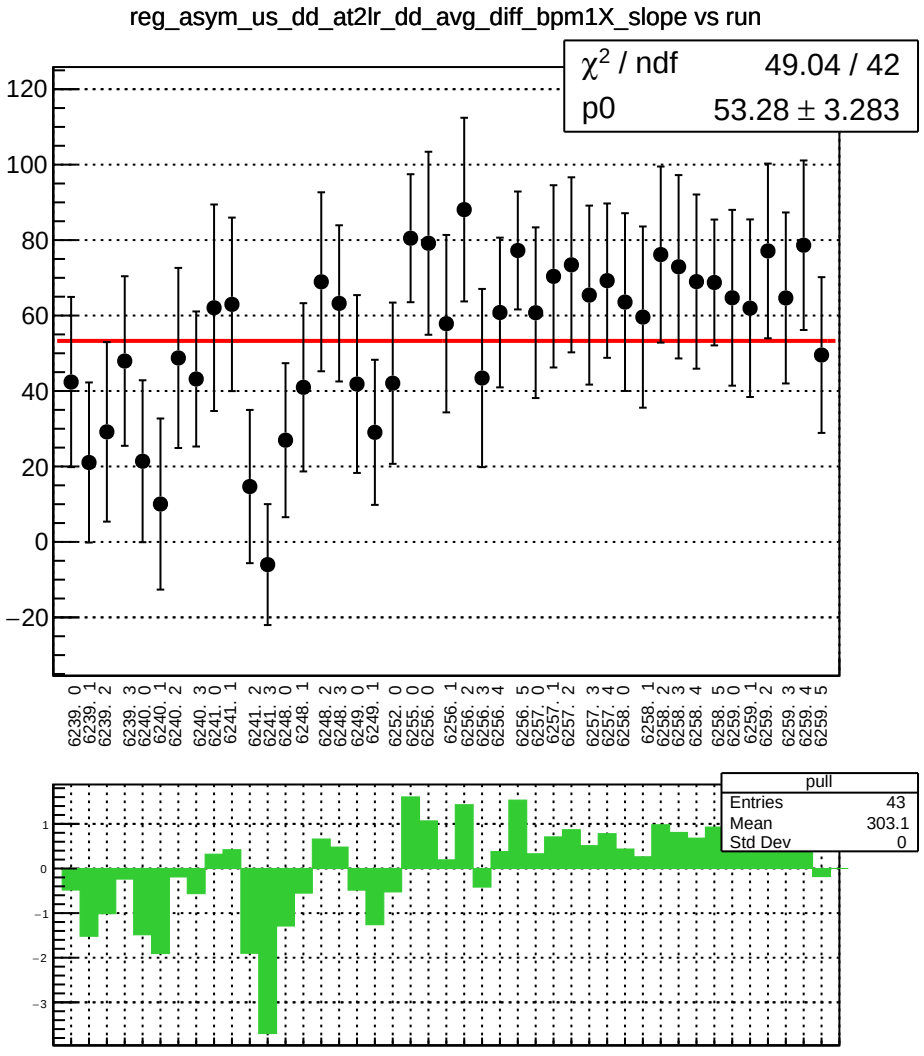

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.5 / 42
p0 6.56 ± 2.543
60
40
20
0
−20
−40
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 143.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.05807
Std Dev 1.204
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

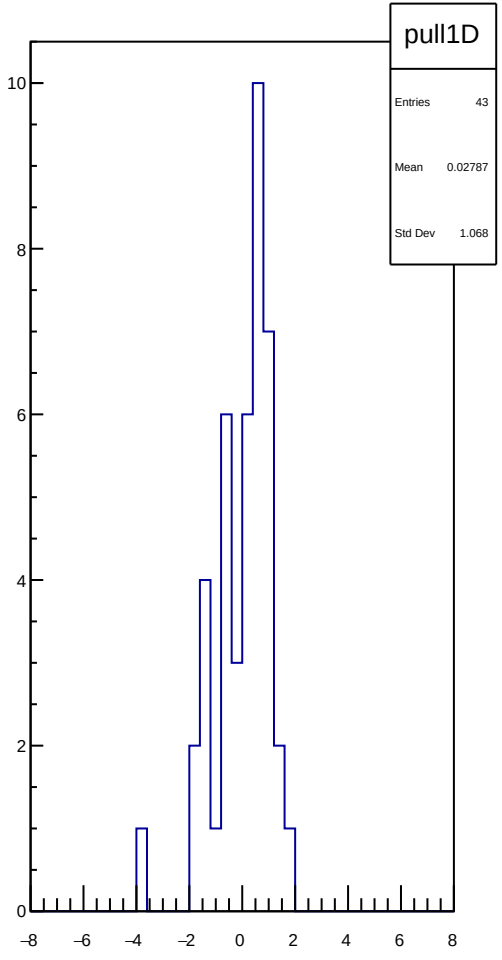

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.14 / 42
p0 −83.26 ± 2.548
−20
−40
−60
−80
−100
−120
−140
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −398.9
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 43
Mean 0.01718
Std Dev 1.173
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

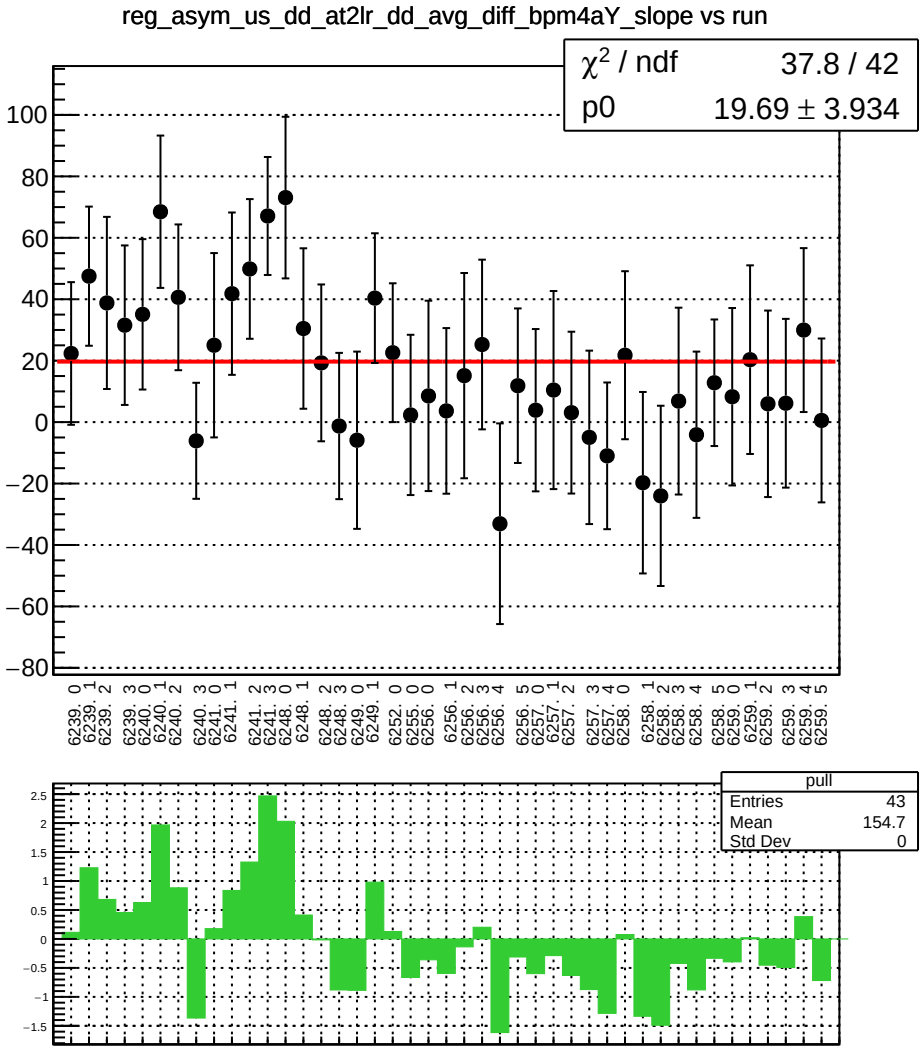

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.5 / 42
p0 −6.209 ± 2.781
pull
Entries 43
Mean 140.4
Std Dev 0

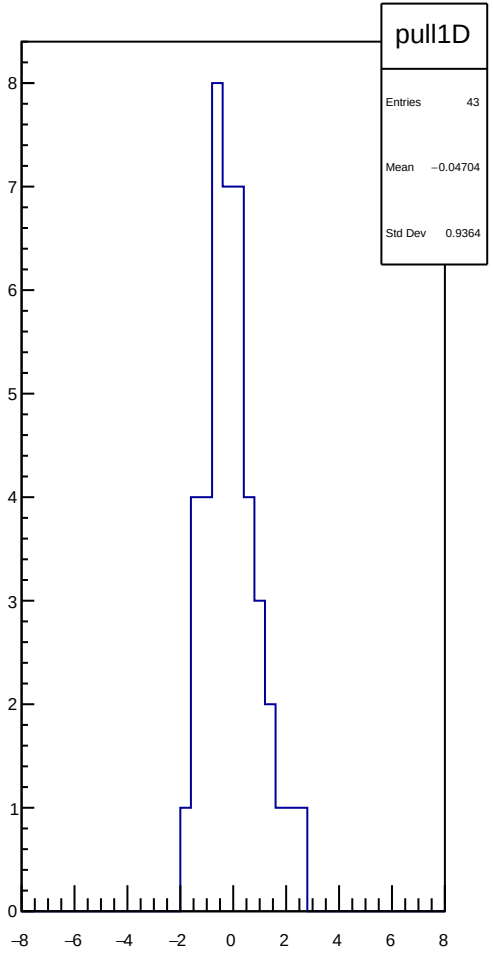

pull1D
Entries 43
Mean 0.0604
Std Dev 1.223

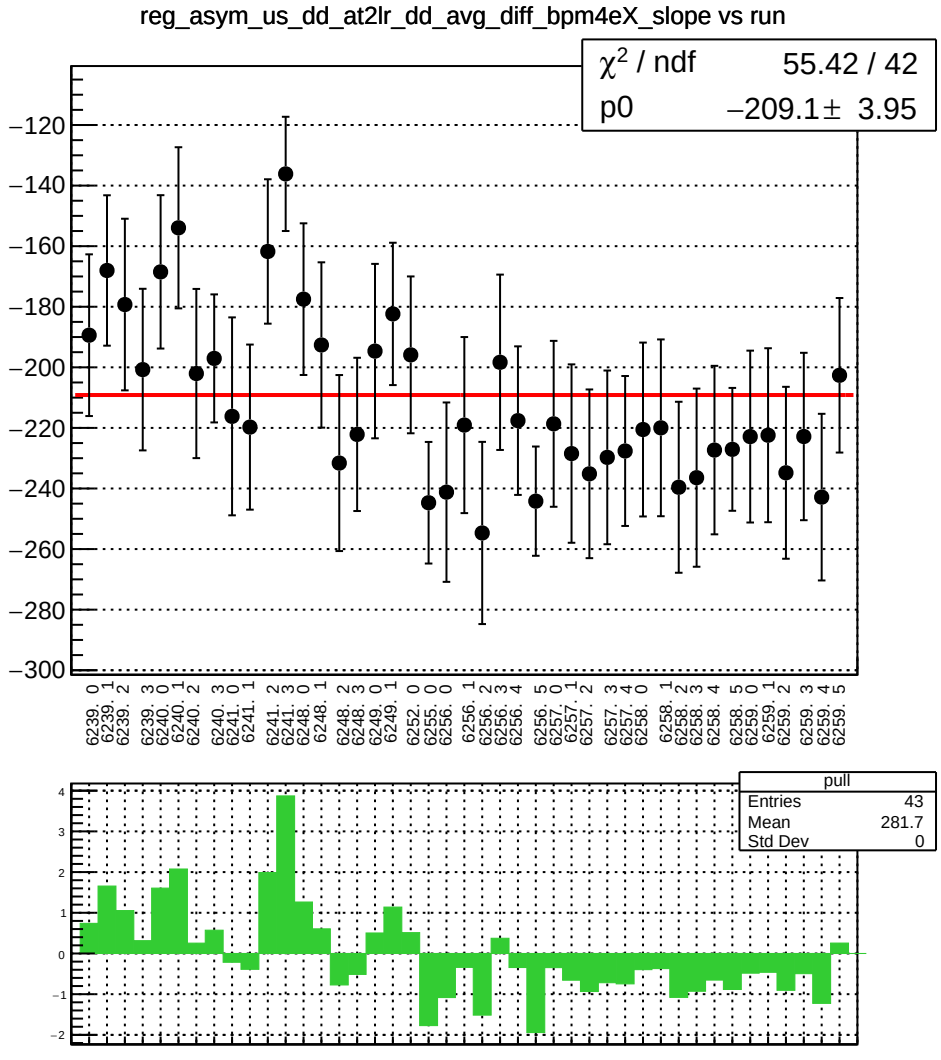

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 33.99 / 42
p0 −4.657 ± 0.2131
pull
Entries 43
Mean −114.1
Std Dev 0
pull1D
Entries 43
Mean −0.0246
Std Dev 0.8887

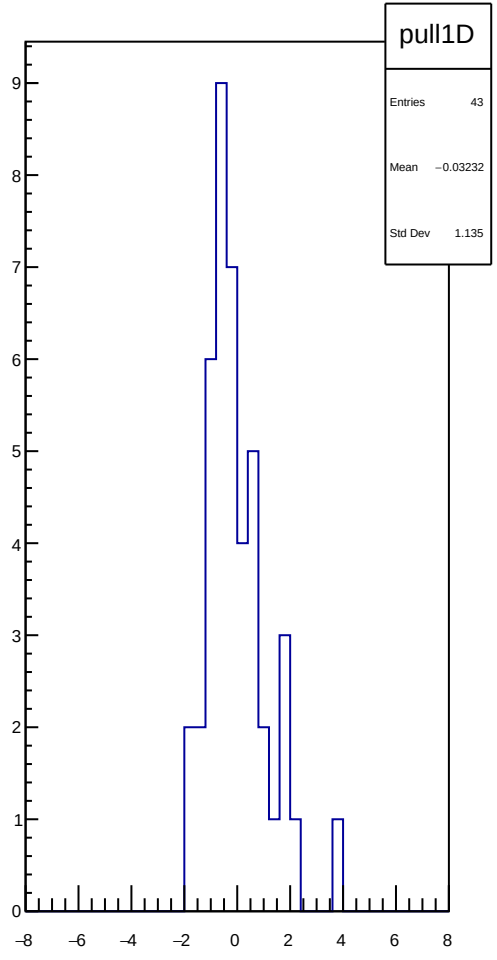

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 49.04 / 42
p0 53.28 ± 3.283
pull
Entries 43
Mean 303.1
Std Dev 0

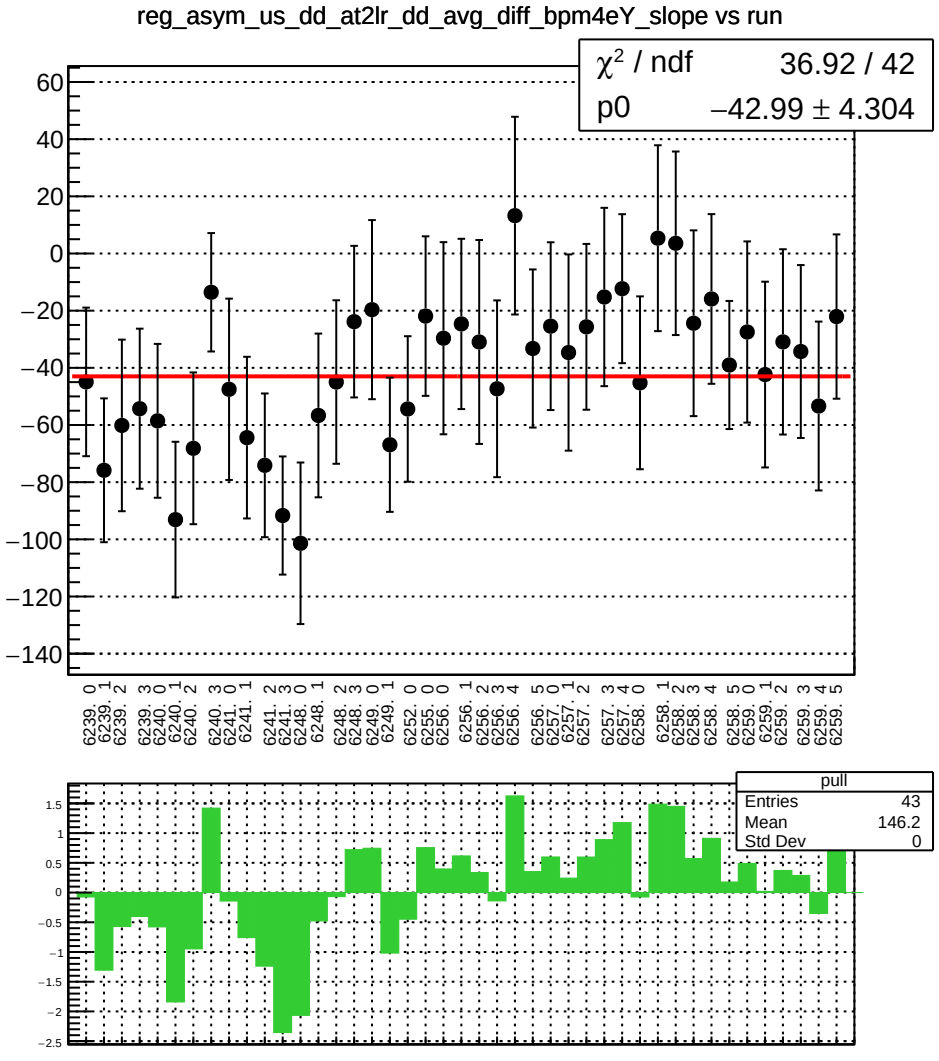

pull1D
Entries 43
Mean 0.02787
Std Dev 1.068

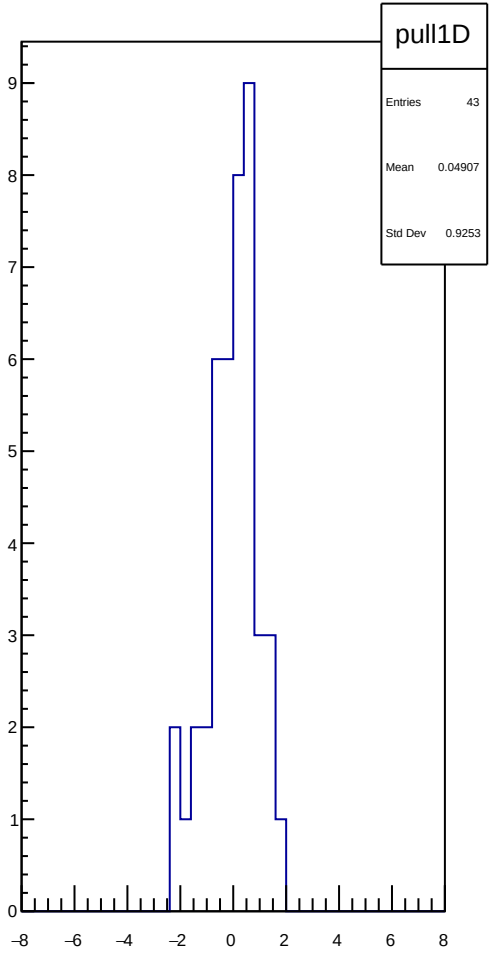

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.8 / 42
p0 19.69 ± 3.934
pull
Entries 43
Mean 154.7
Std Dev 0

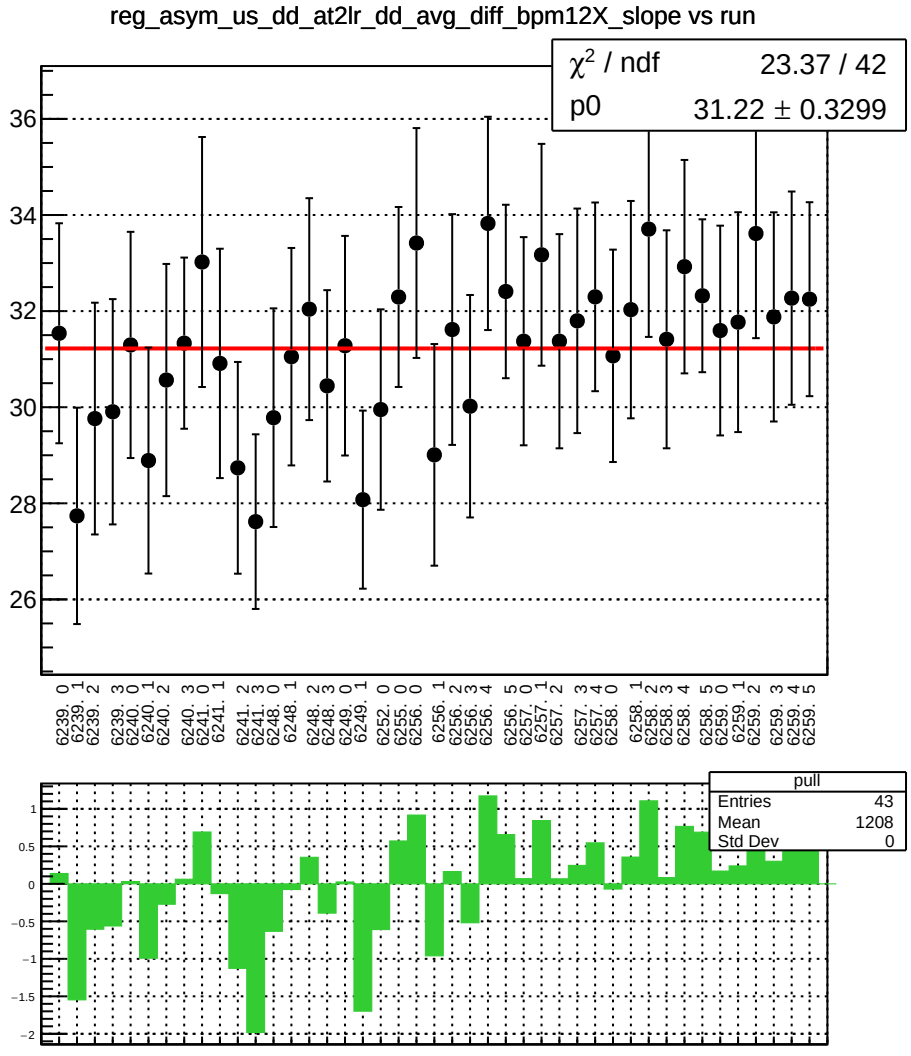

pull1D
Entries 43
Mean −0.04704
Std Dev 0.9364

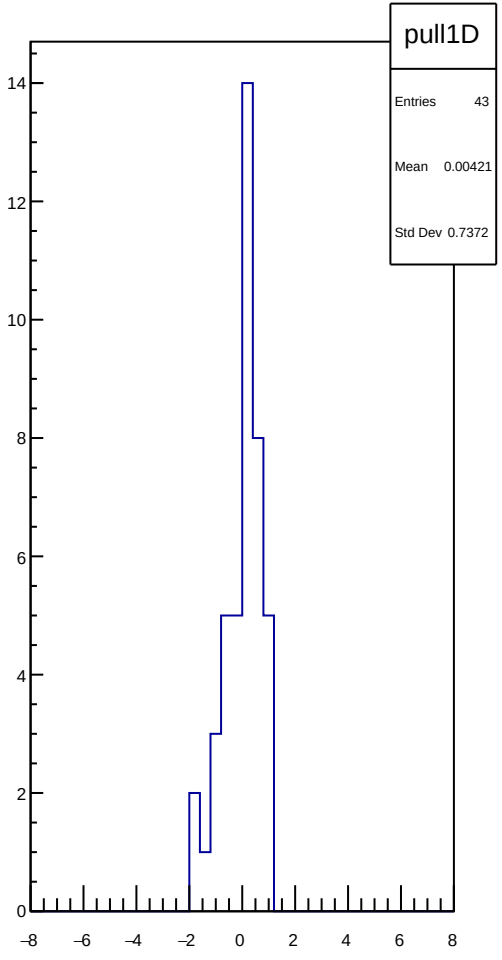

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.42 / 42
p0 −209.1± 3.95
pull
Entries 43
Mean 281.7
Std Dev 0

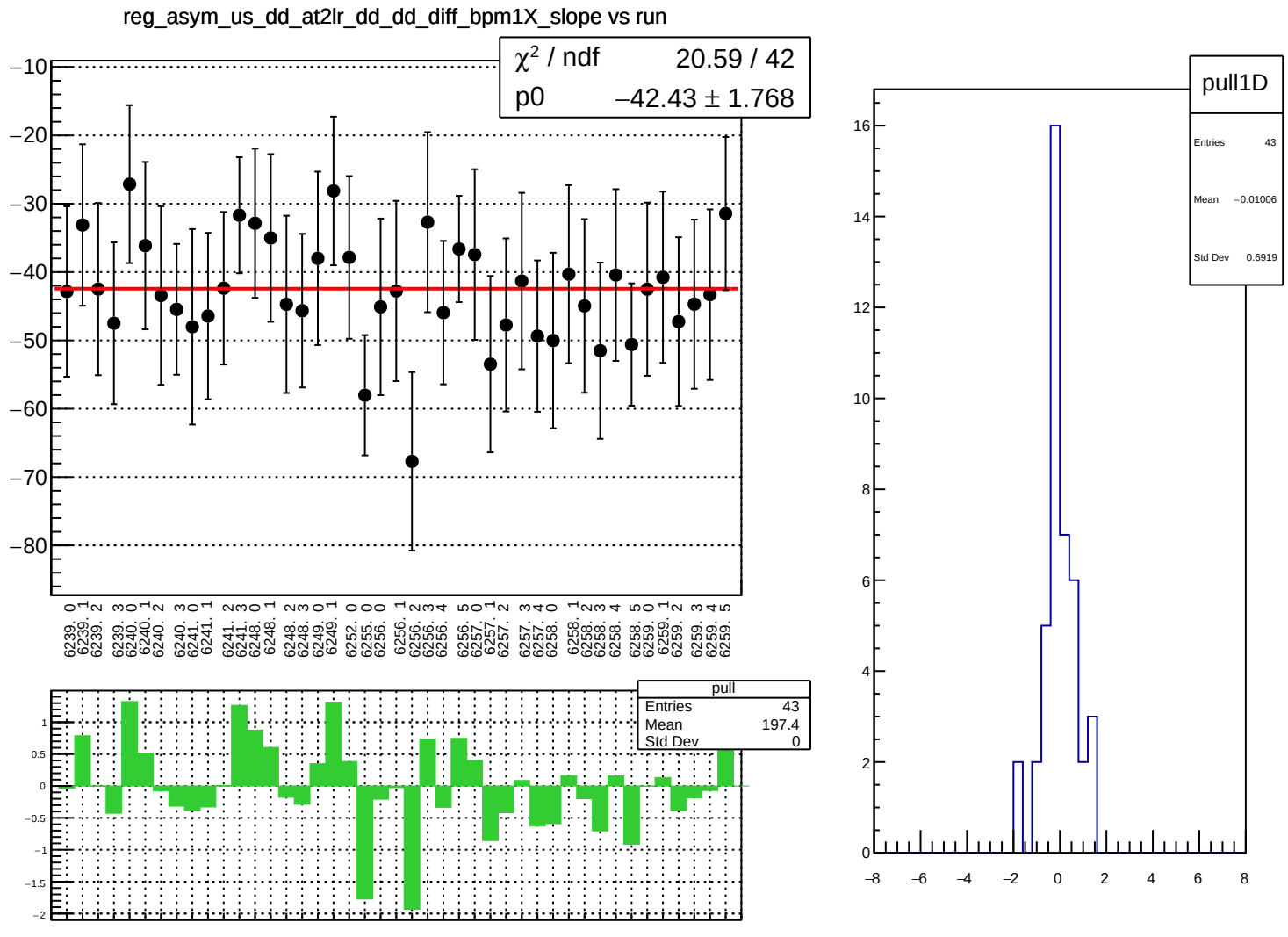

pull1D
Entries 43
Mean −0.03232
Std Dev 1.135

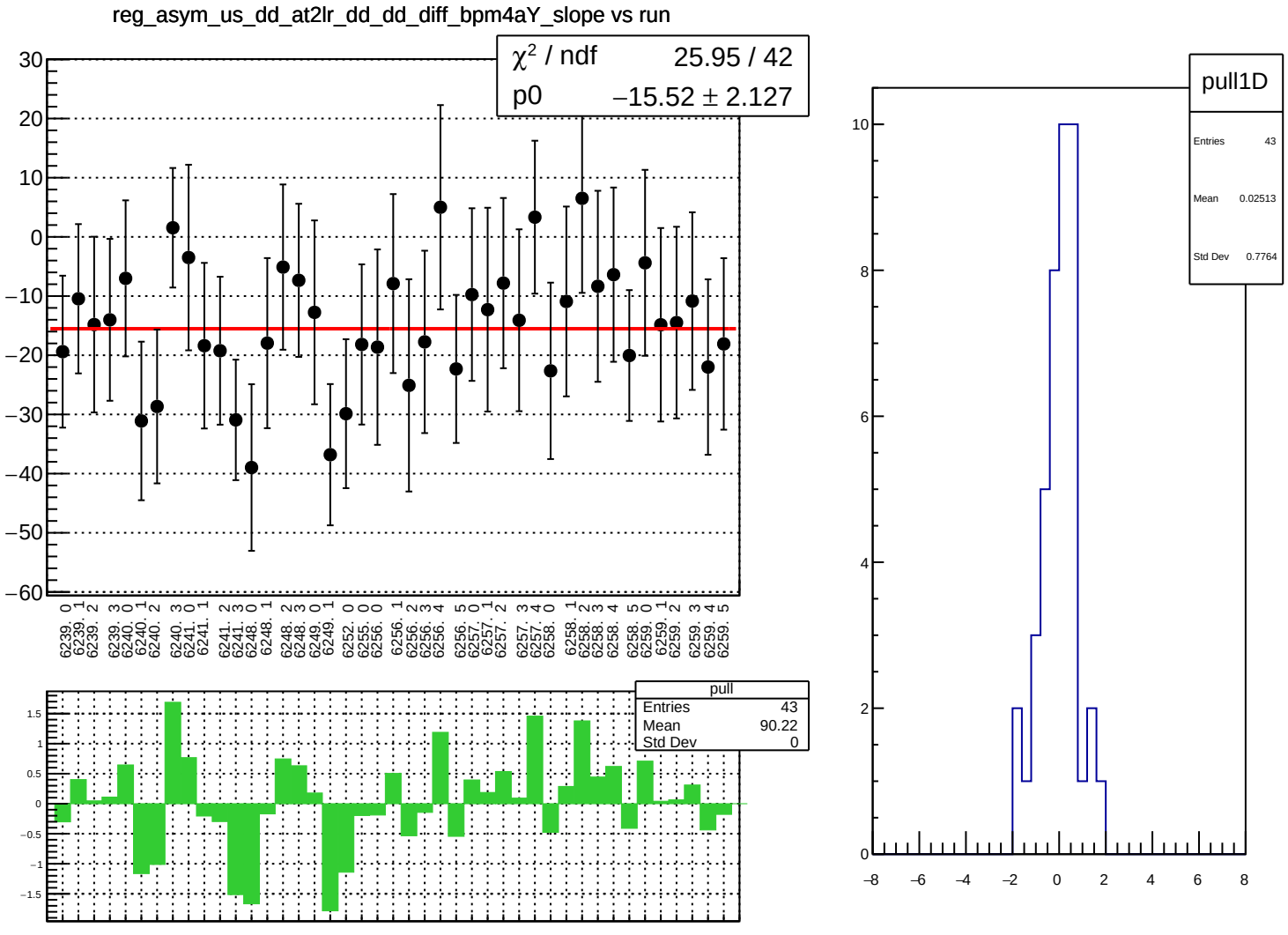

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.92 / 42
p0 −42.99 ± 4.304
pull
Entries 43
Mean 146.2
Std Dev 0

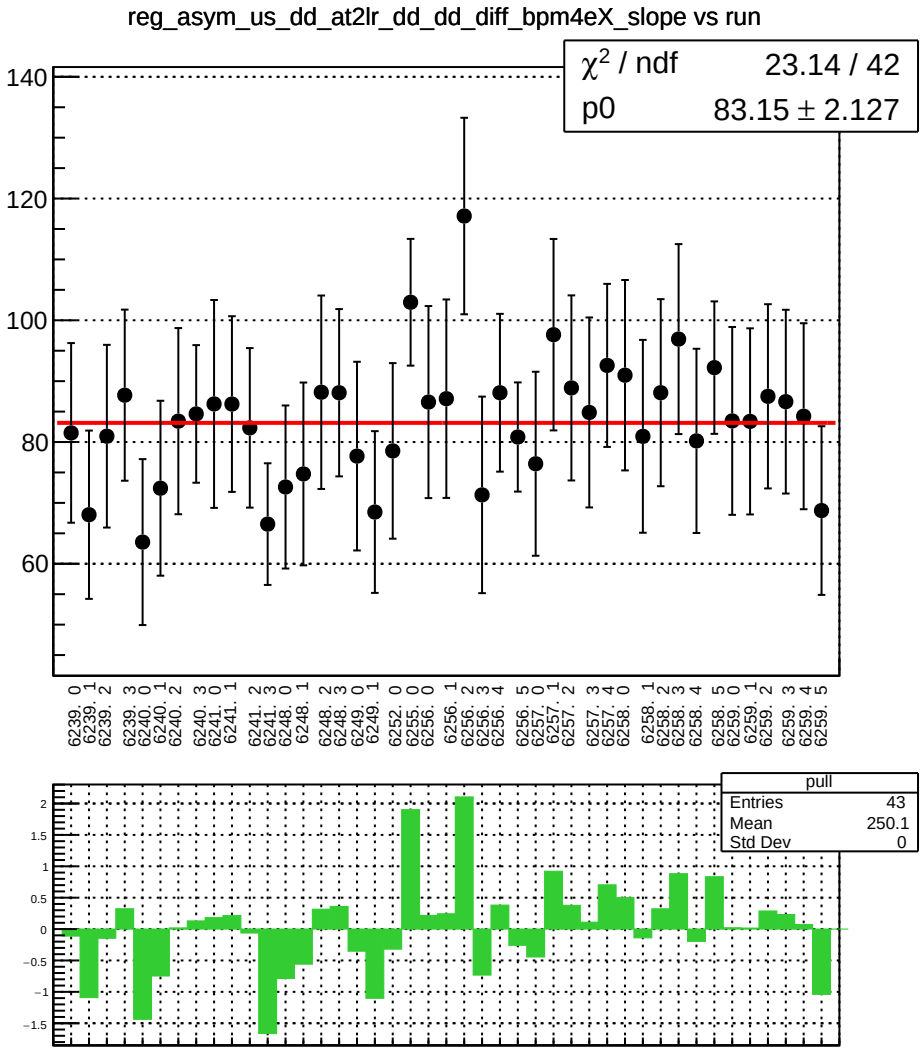

pull1D
Entries 43
Mean 0.04907
Std Dev 0.9253

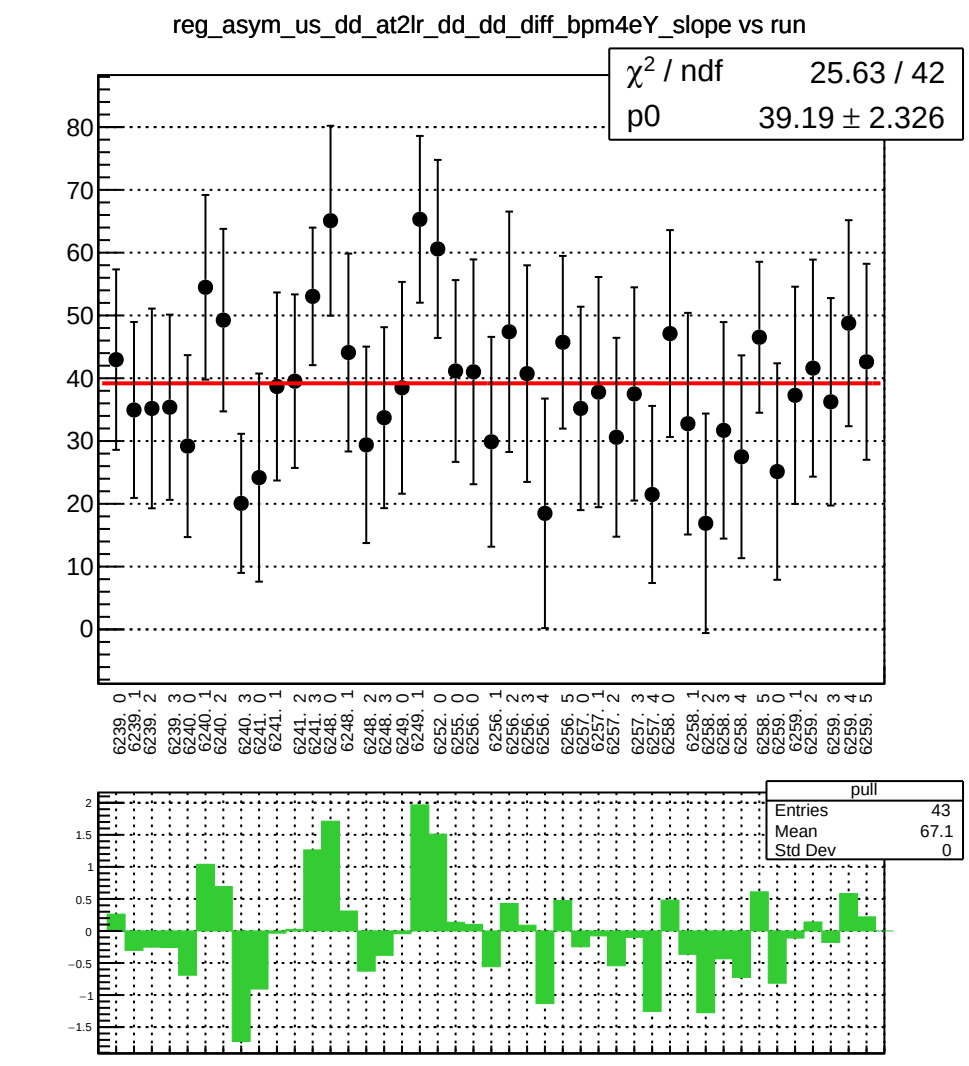

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.37 / 42
p0 31.22 ± 0.3299
pull
Entries 43
Mean 1208
Std Dev 0

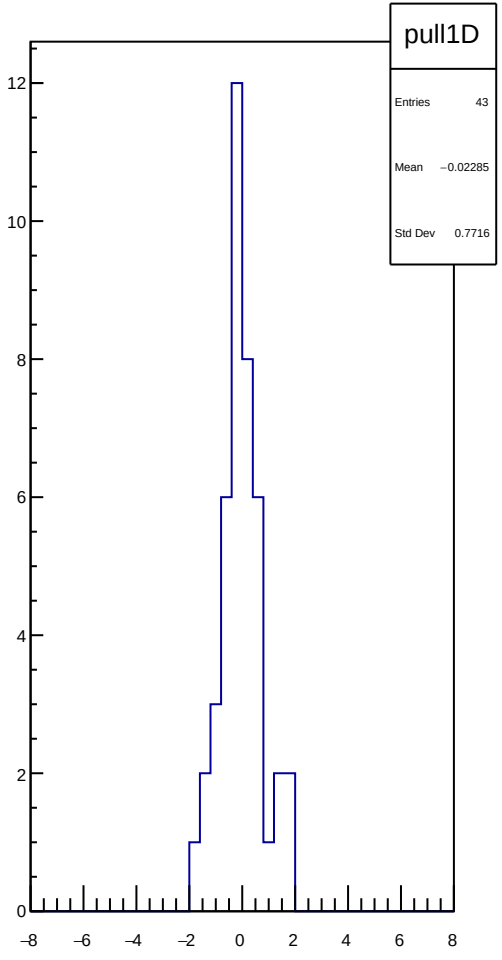

pull1D
Entries 43
Mean 0.00421
Std Dev 0.7372

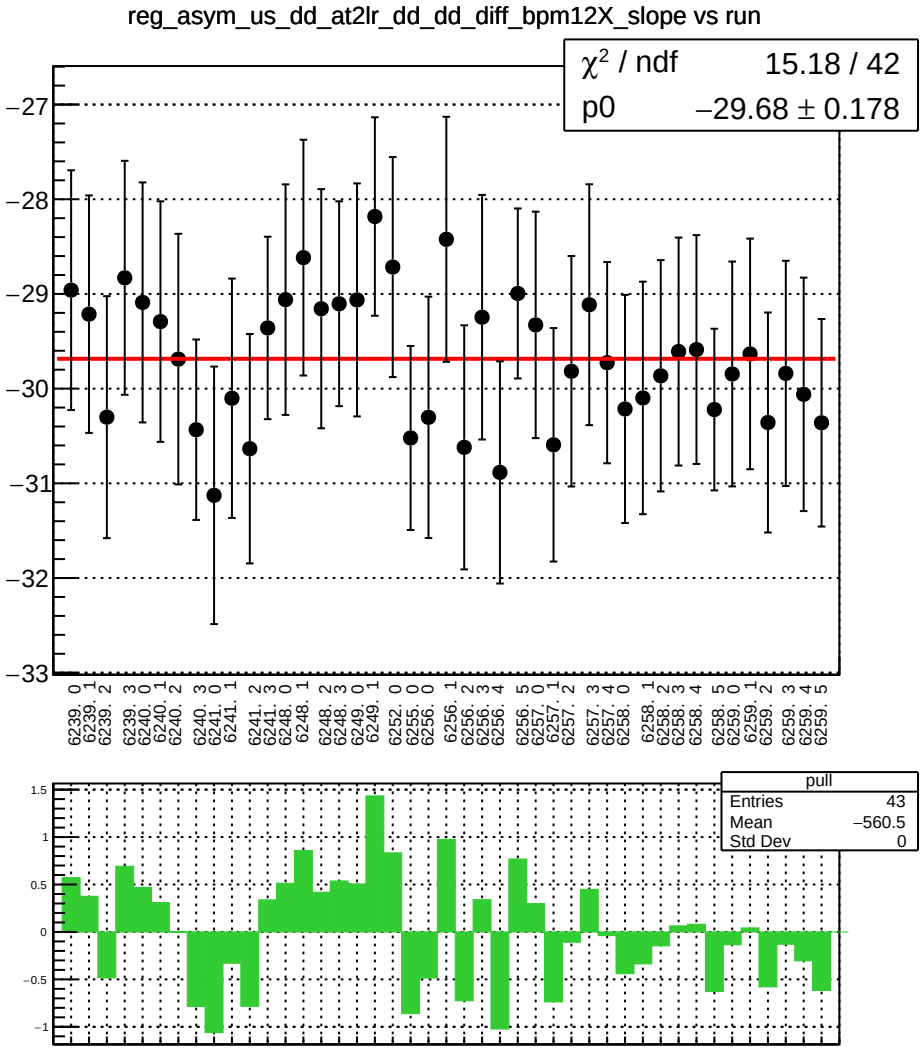

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 20.59 / 42
p0 −42.43 ± 1.768
pull
Entries 43
Mean 197.4
Std Dev 0
pull1D
Entries 43
Mean −0.01006
Std Dev 0.6919

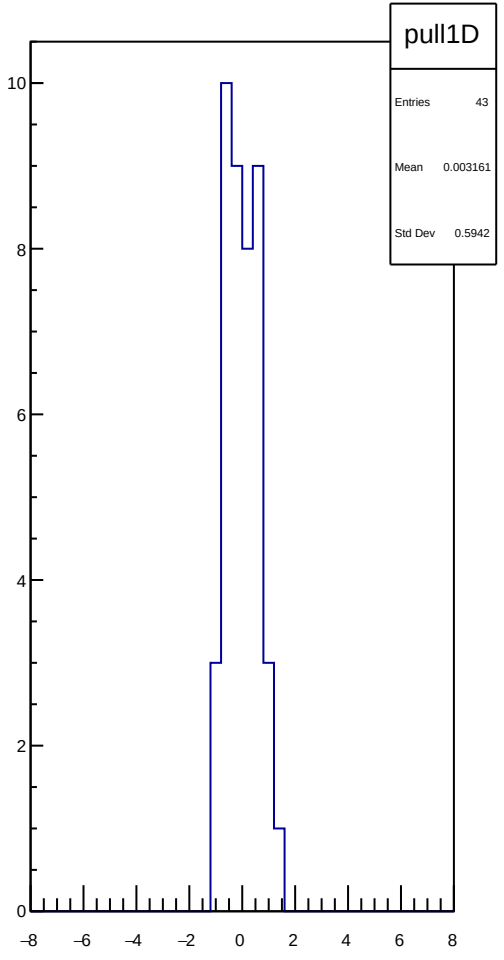

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.95 / 42
p0 −15.52 ± 2.127
pull
Entries 43
Mean 90.22
Std Dev 0
pull1D
Entries 43
Mean 0.02513
Std Dev 0.7764

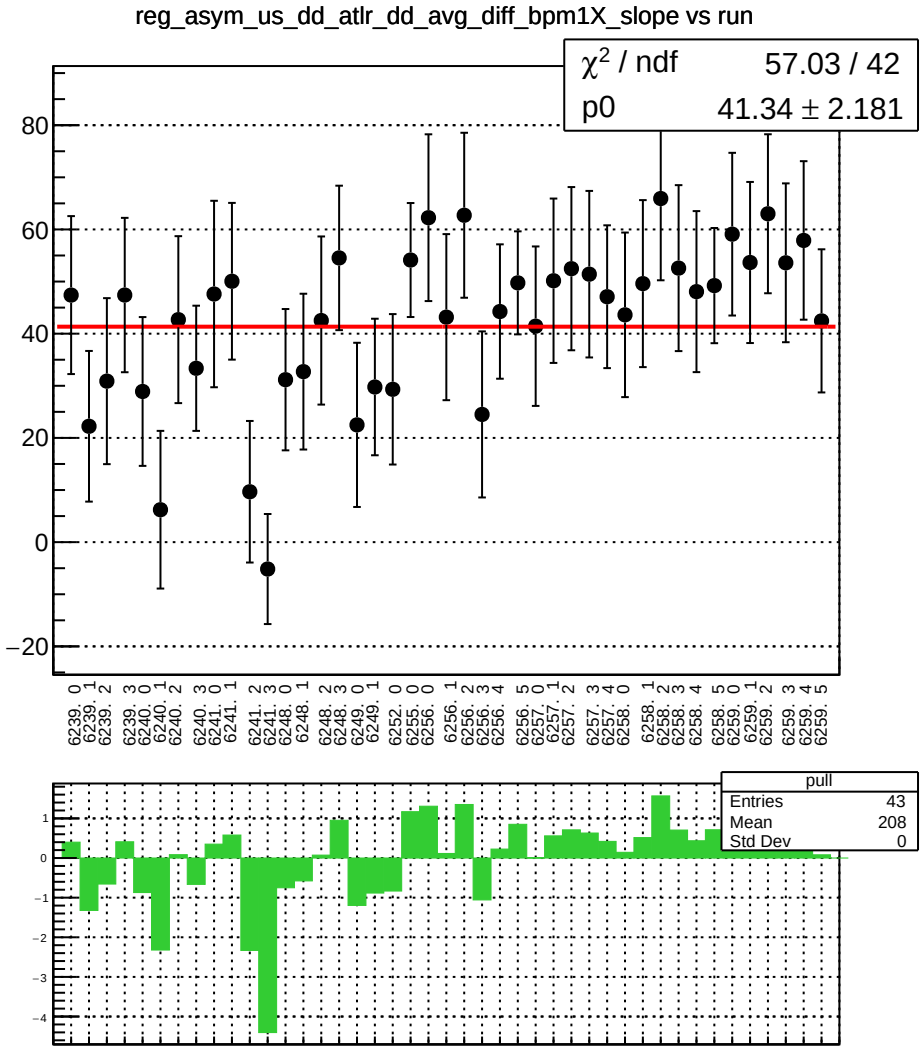

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.14 / 42
p0 83.15 ± 2.127
140
120
100
80
60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 250.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.01123
Std Dev 0.7335
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

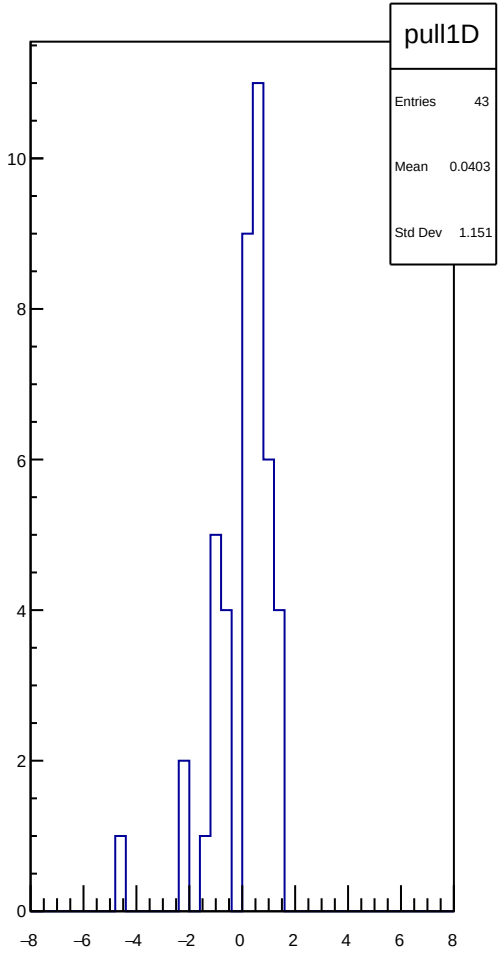

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.63 / 42
p0 39.19 ± 2.326
pull
Entries 43
Mean 67.1
Std Dev 0

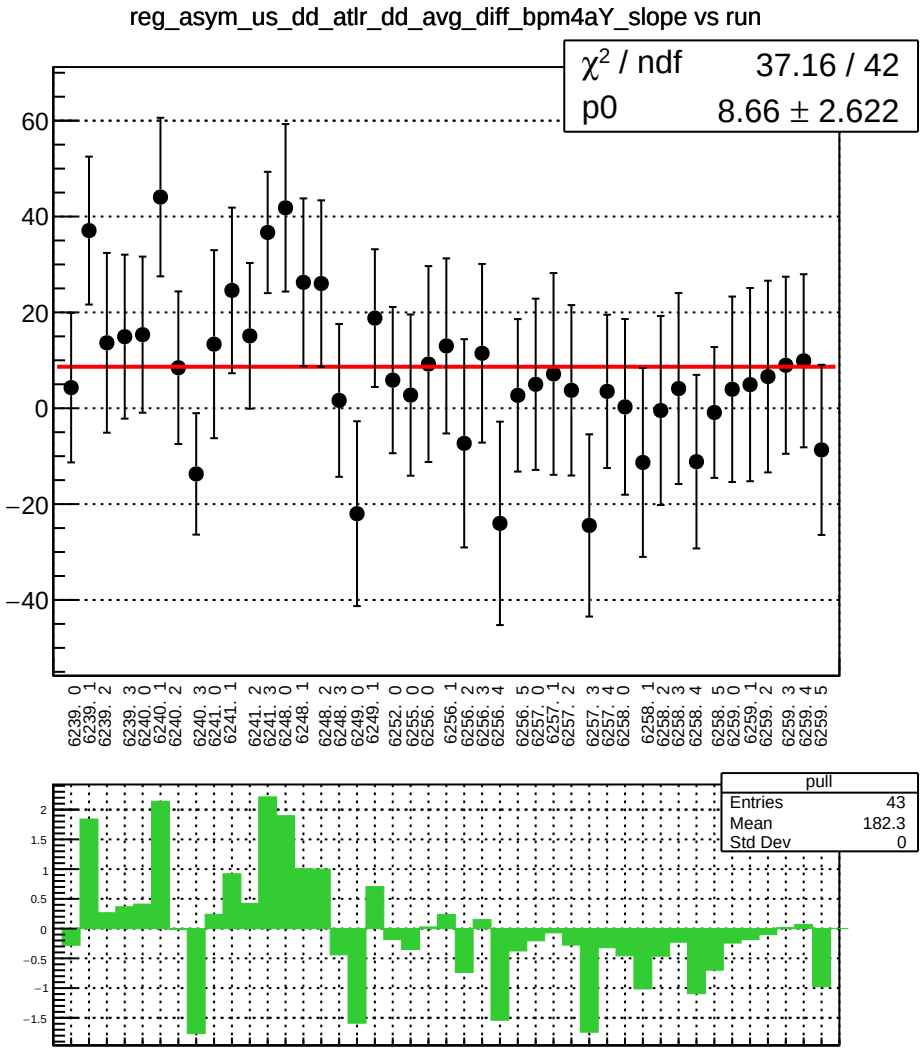

pull1D
Entries 43
Mean −0.02285
Std Dev 0.7716

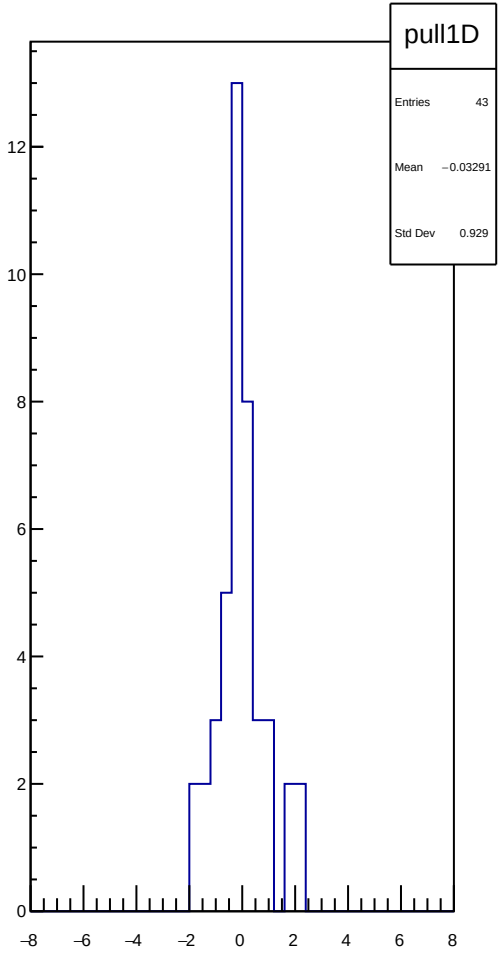

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 15.18 / 42
p0 −29.68 ± 0.178
−27
−28
−29
−30
−31
−32
−33
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −560.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1

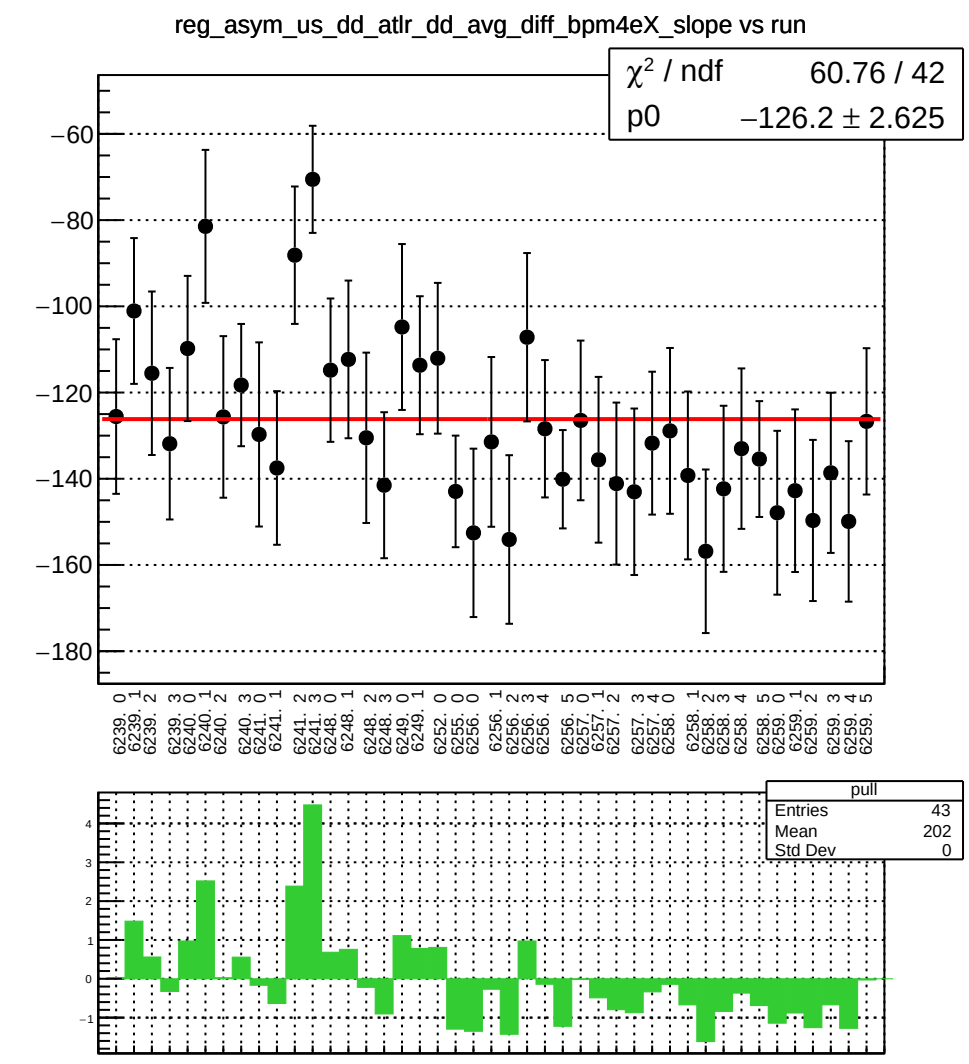

pull1D
Entries 43
Mean 0.003161
Std Dev 0.5942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

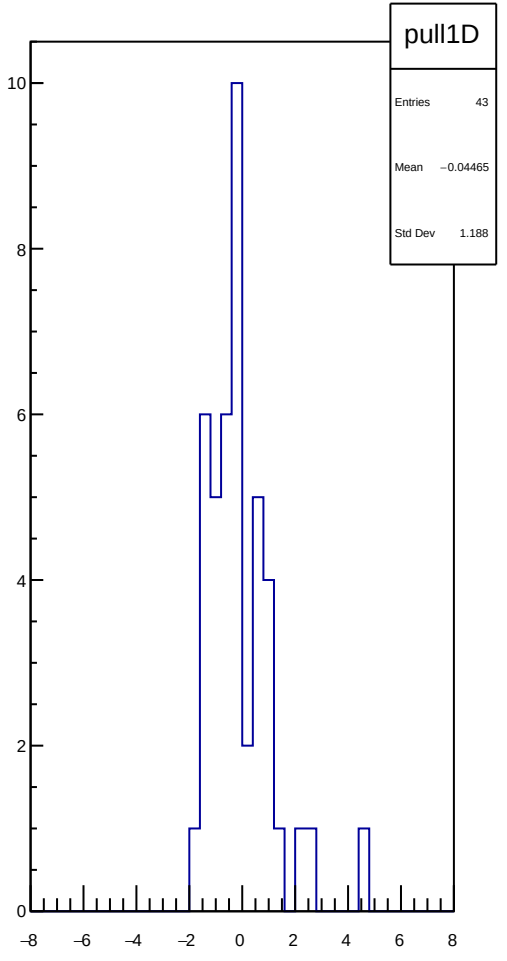

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 57.03 / 42
p0 41.34 ± 2.181
pull
Entries 43
Mean 208
Std Dev 0

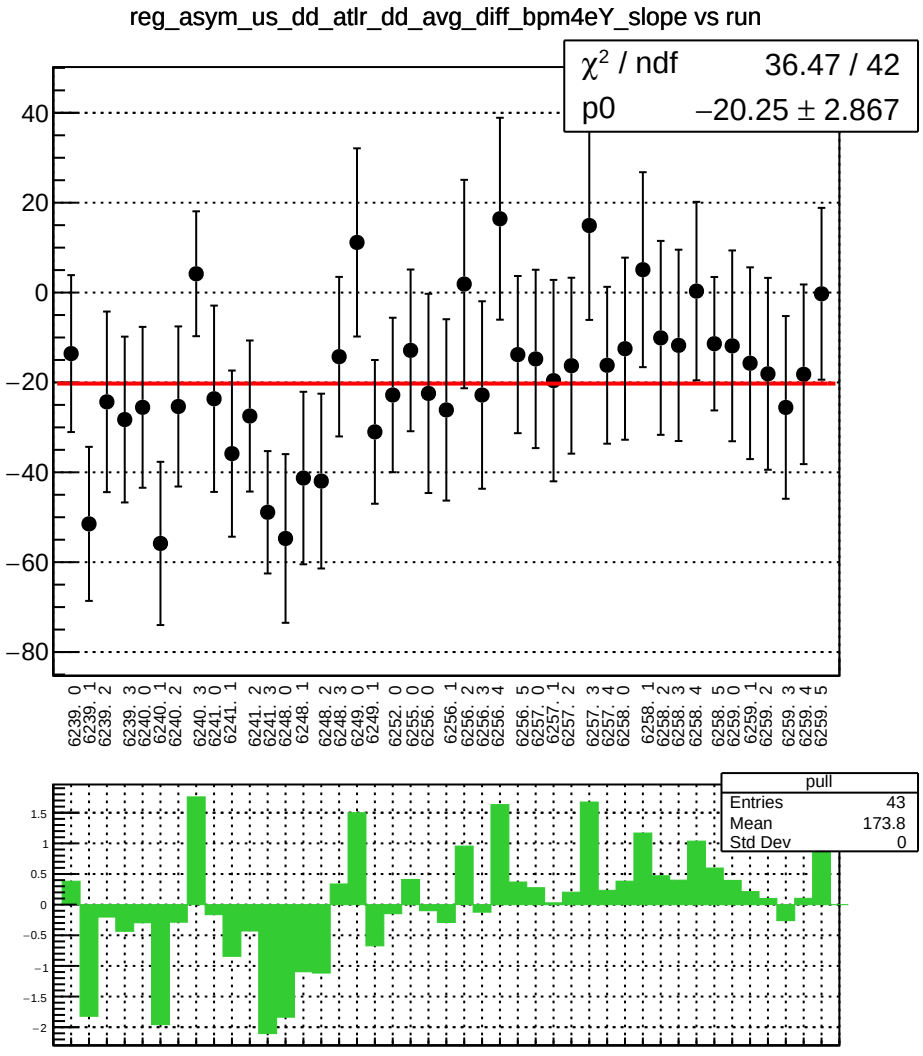

pull1D
Entries 43
Mean 0.0403
Std Dev 1.151

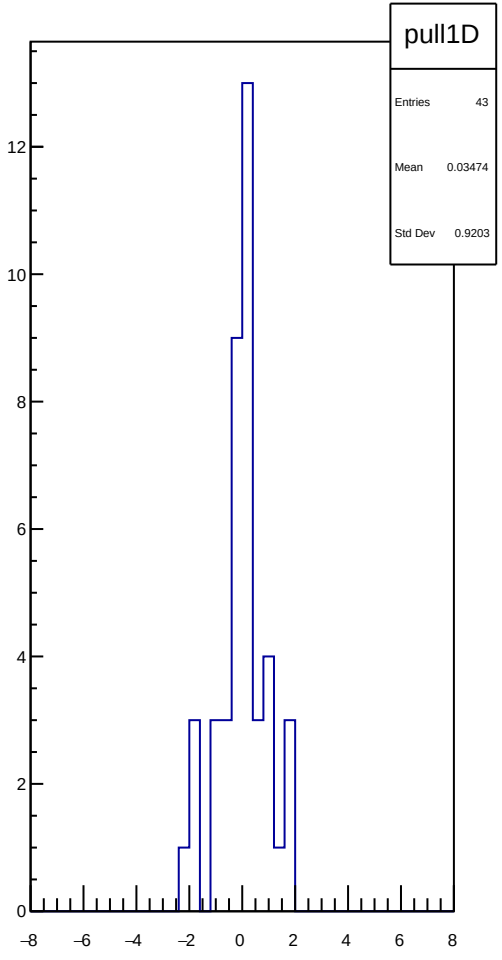

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.16 / 42
p0 8.66 ± 2.622
pull
Entries 43
Mean 182.3
Std Dev 0

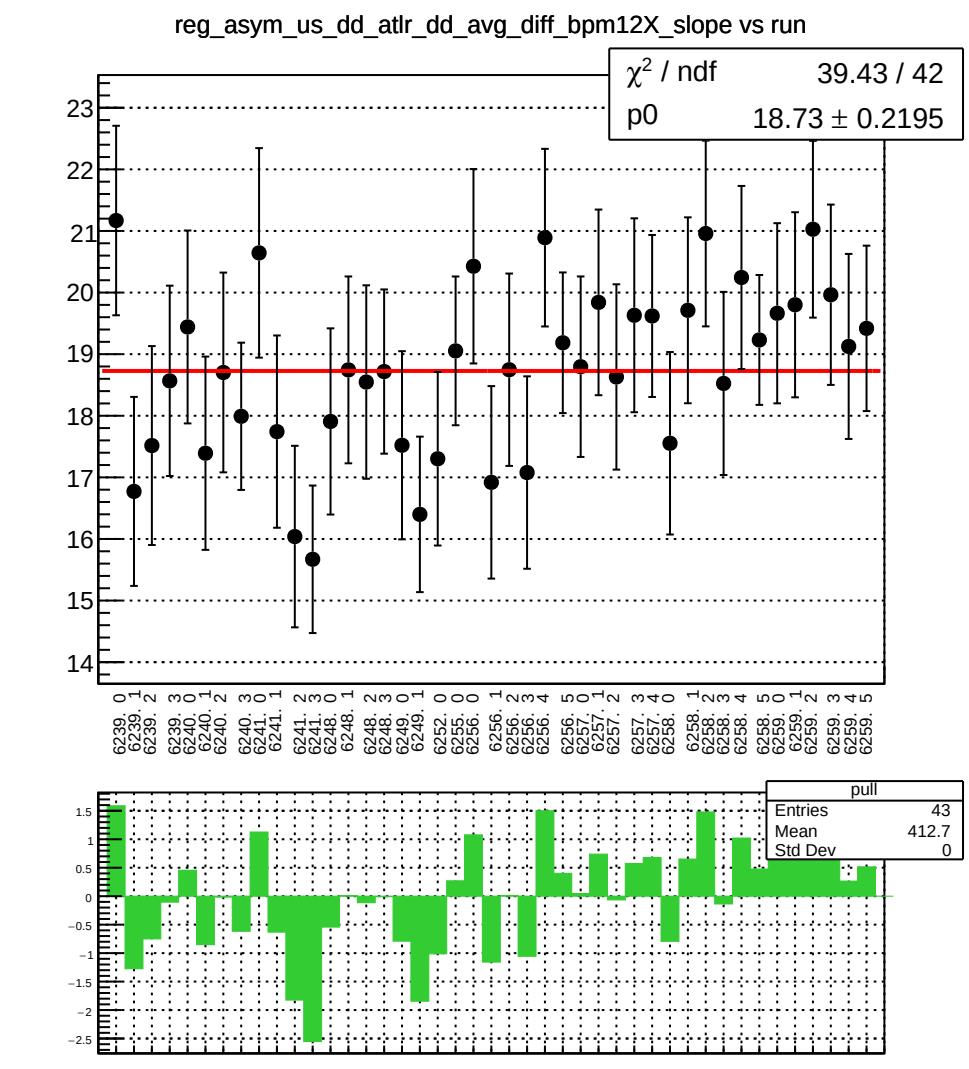

pull1D
Entries 43
Mean −0.03291
Std Dev 0.929

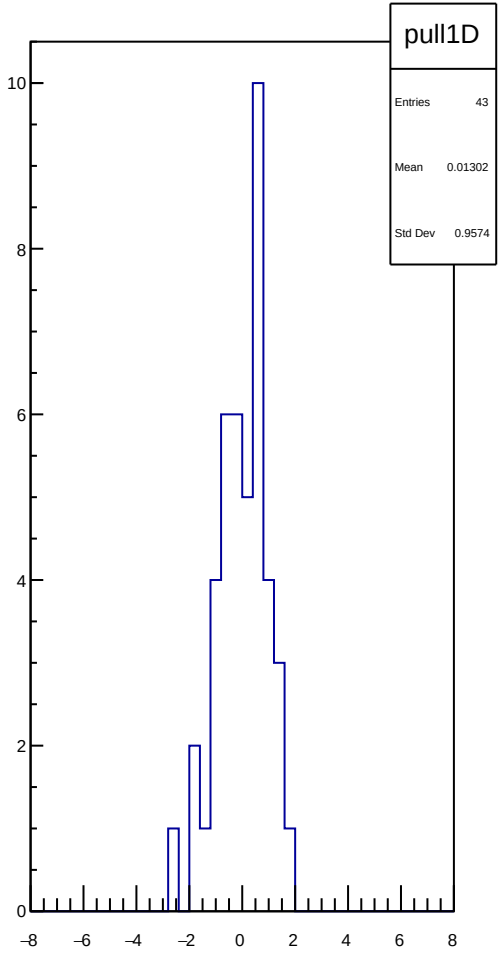

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.76 / 42
p0 −126.2 ± 2.625
−60
−80
−100
−120
−140
−160
−180
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 202
Std Dev 0
4
3
2
1
0
−1

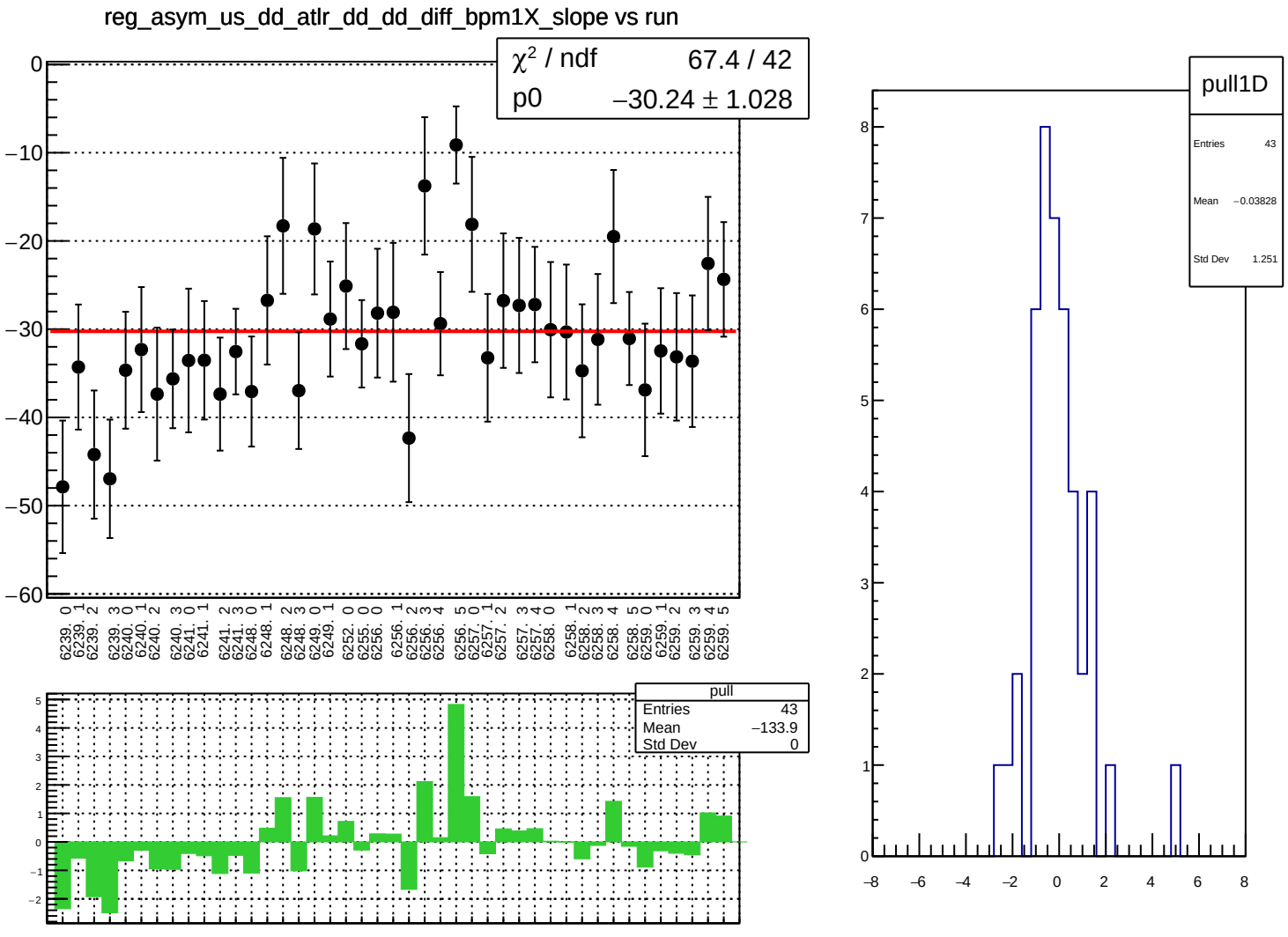

pull1D
Entries 43
Mean −0.04465
Std Dev 1.188
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

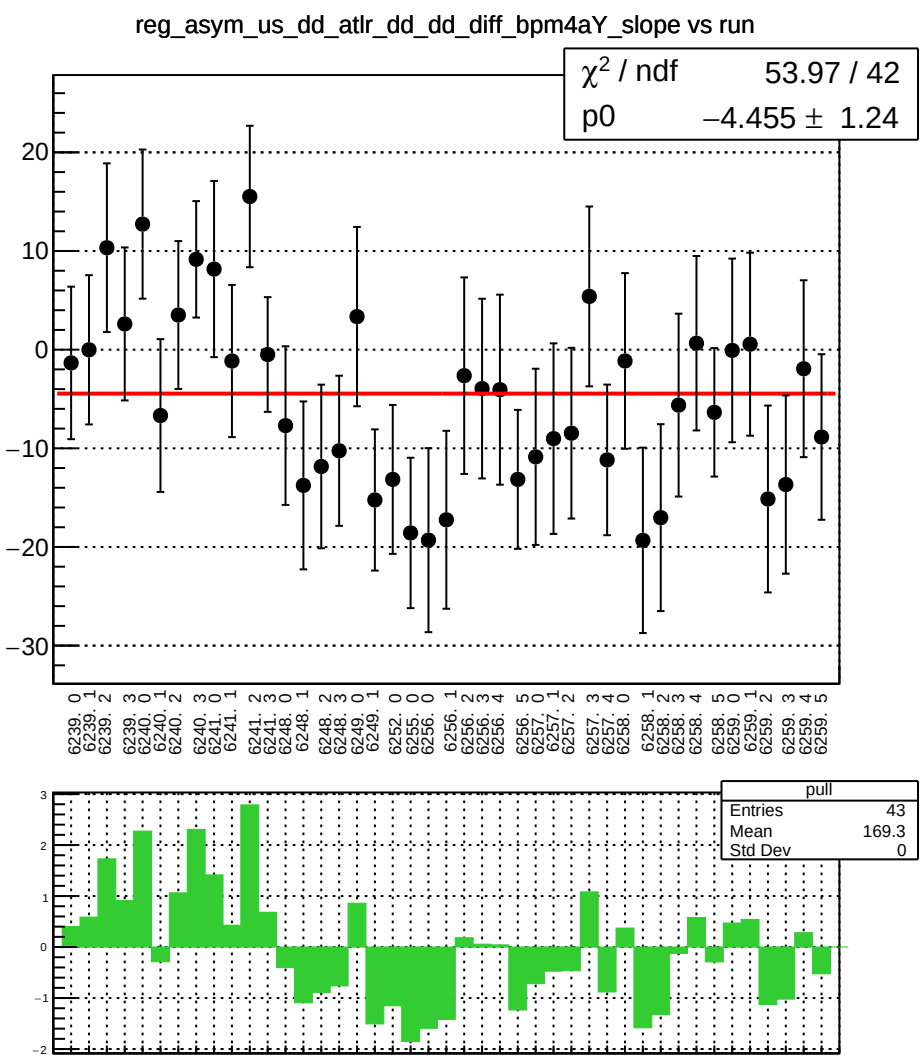

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.47 / 42
p0 −20.25 ± 2.867
pull
Entries 43
Mean 173.8
Std Dev 0

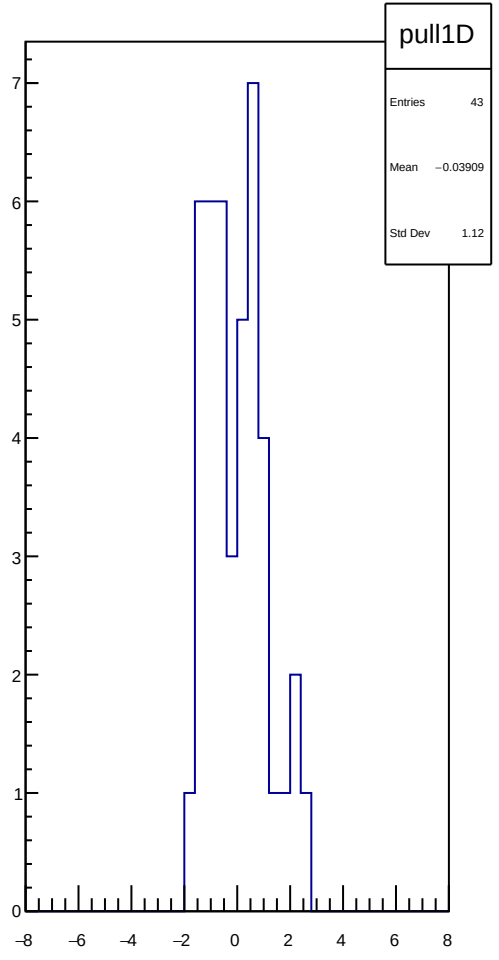

pull1D
Entries 43
Mean 0.03474
Std Dev 0.9203

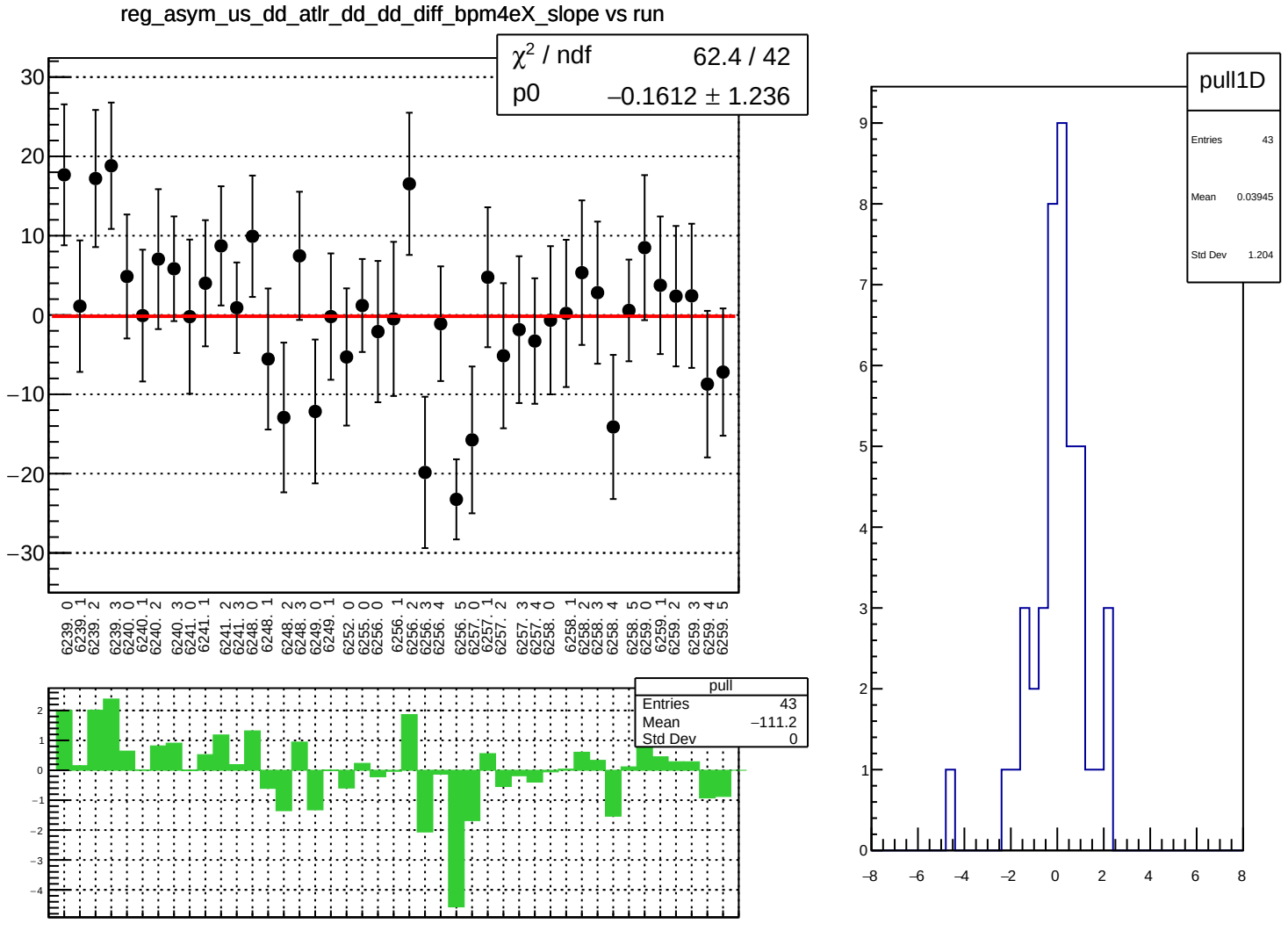

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 39.43 / 42
p0 18.73 ± 0.2195
pull
Entries 43
Mean 412.7
Std Dev 0

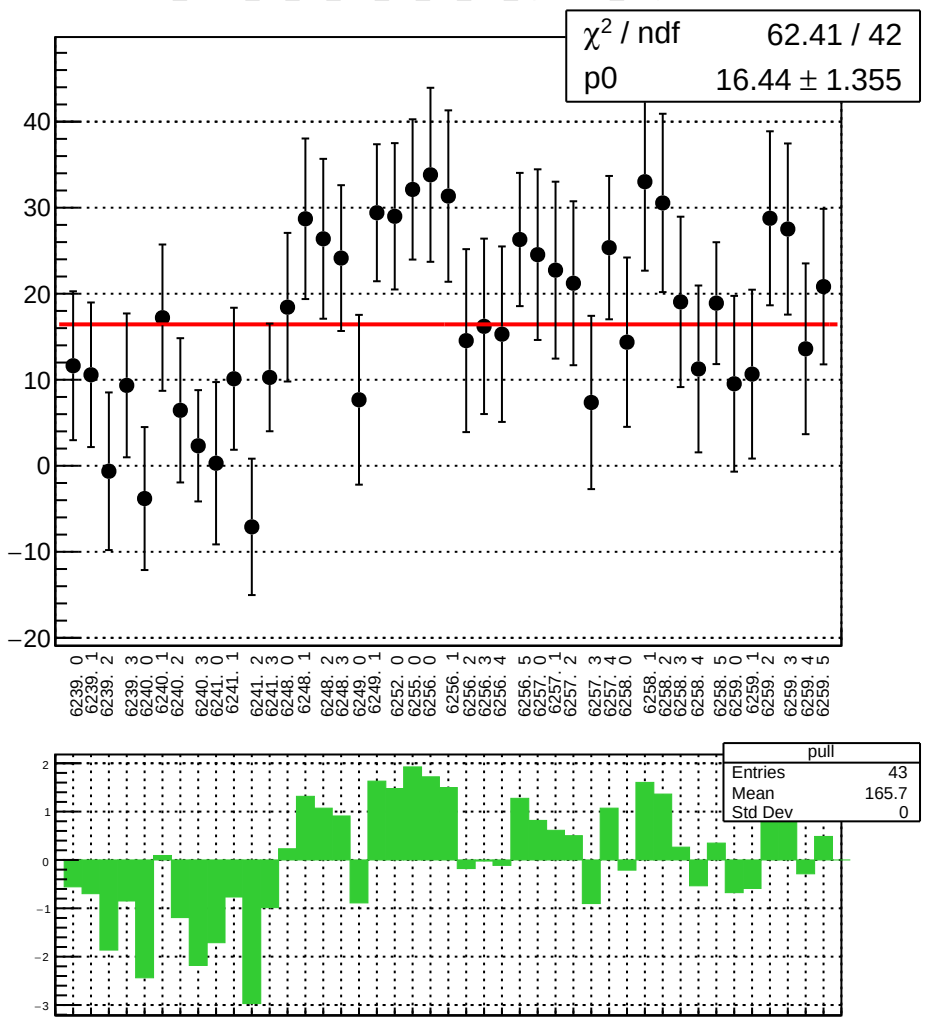

pull1D
Entries 43
Mean 0.01302
Std Dev 0.9574

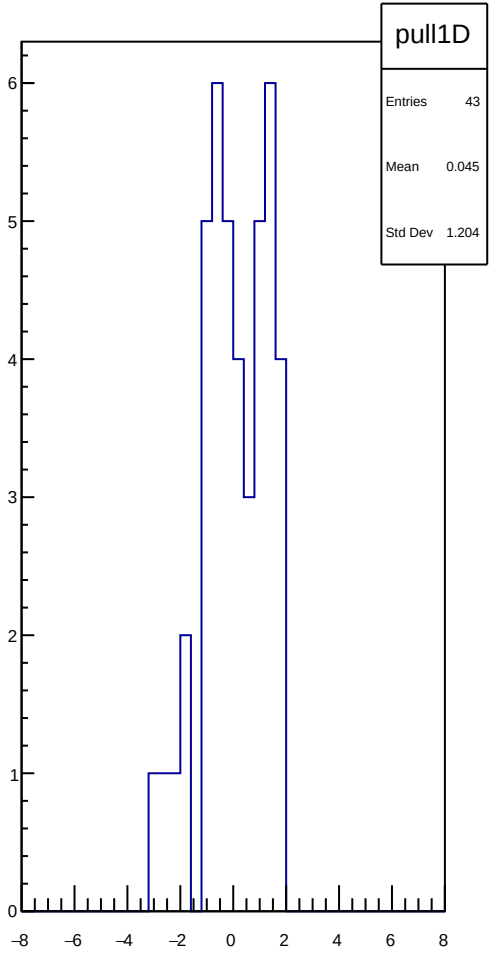

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 67.4 / 42
p0 −30.24 ± 1.028
pull
Entries 43
Mean −133.9
Std Dev 0
pull1D
Entries 43
Mean −0.03828
Std Dev 1.251

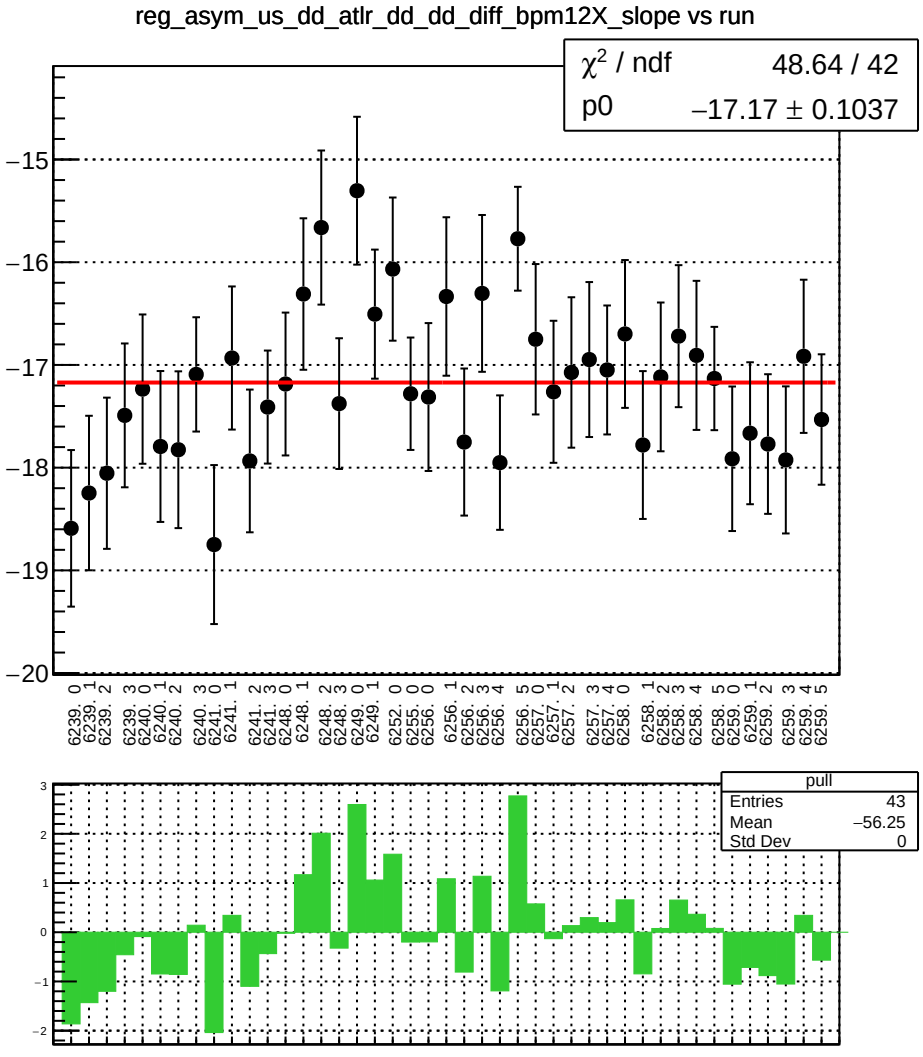

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.97 / 42
p0 −4.455 ± 1.24
pull
Entries 43
Mean 169.3
Std Dev 0

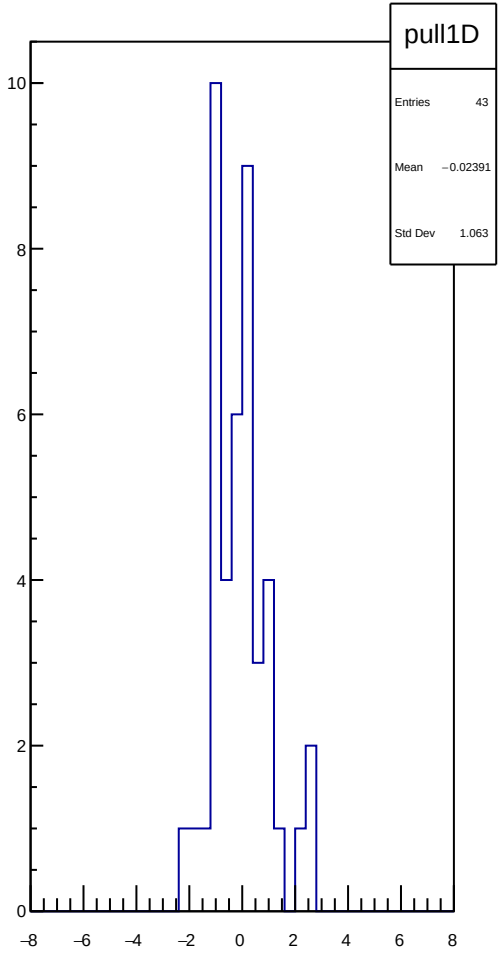

pull1D
Entries 43
Mean −0.03909
Std Dev 1.12

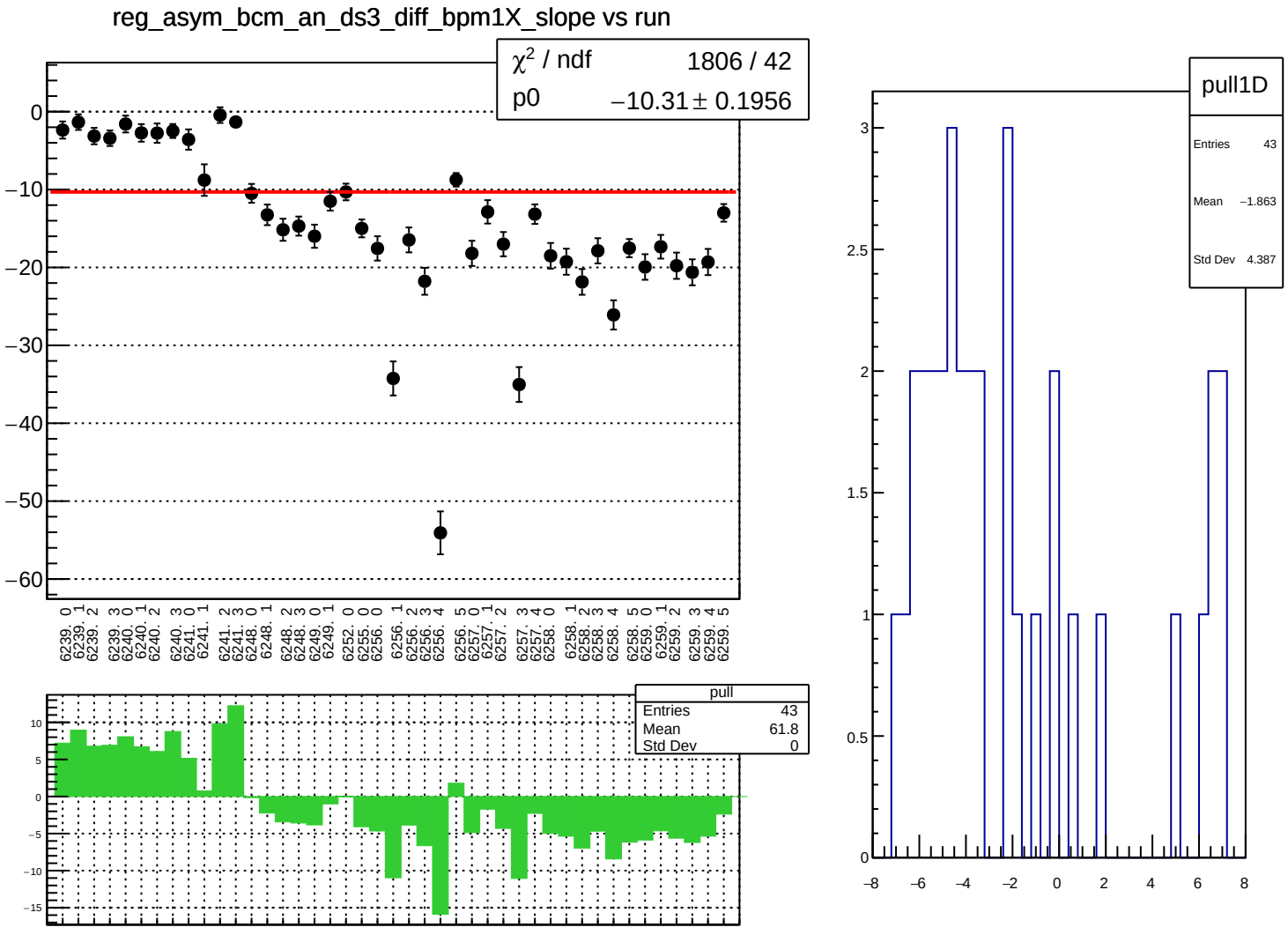

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.4 / 42
p0 −0.1612 ± 1.236
pull
Entries 43
Mean −111.2
Std Dev 0
pull1D
Entries 43
Mean 0.03945
Std Dev 1.204

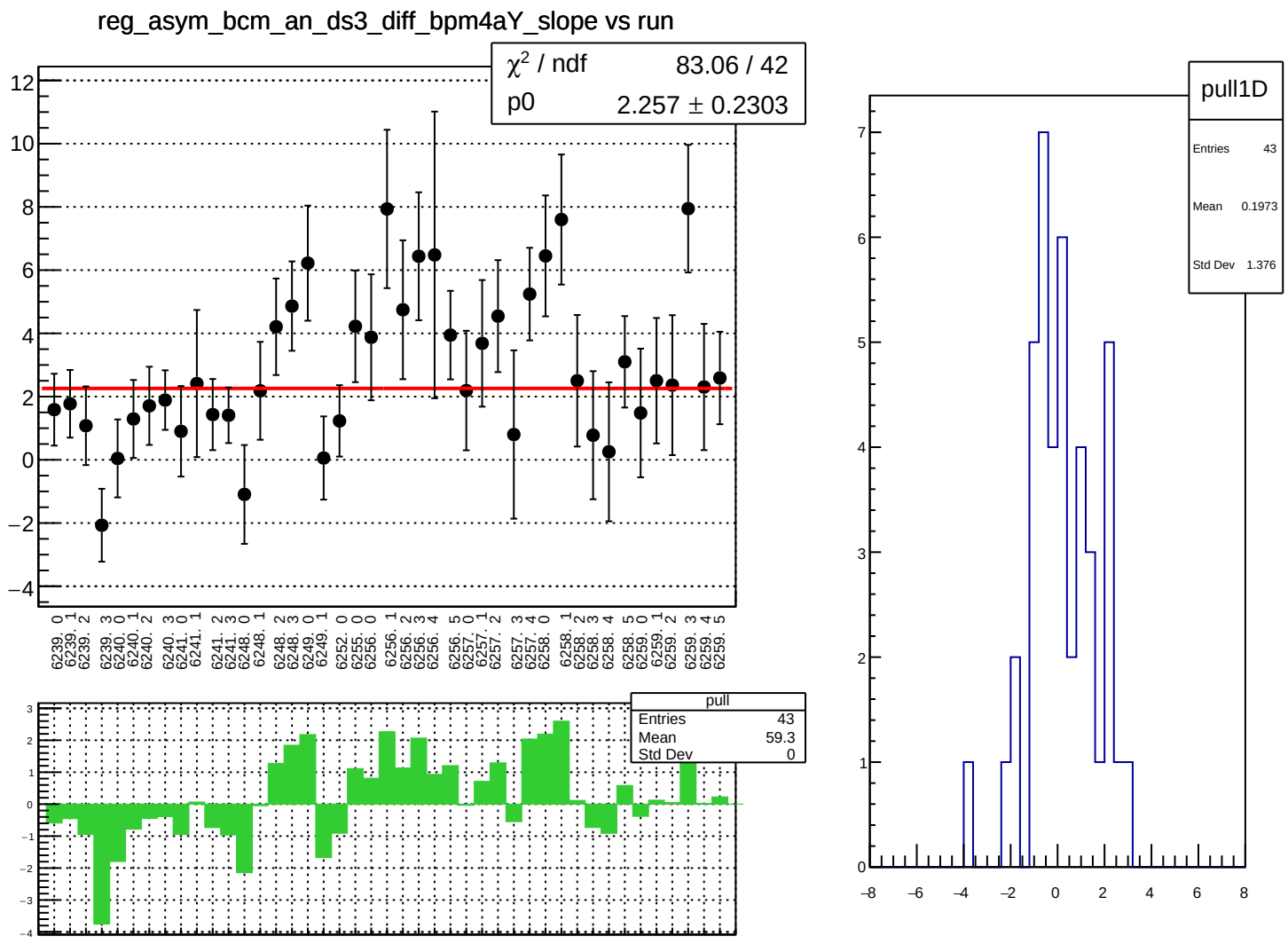

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.41 / 42
p0 16.44 ± 1.355
pull
Entries 43
Mean 165.7
Std Dev 0

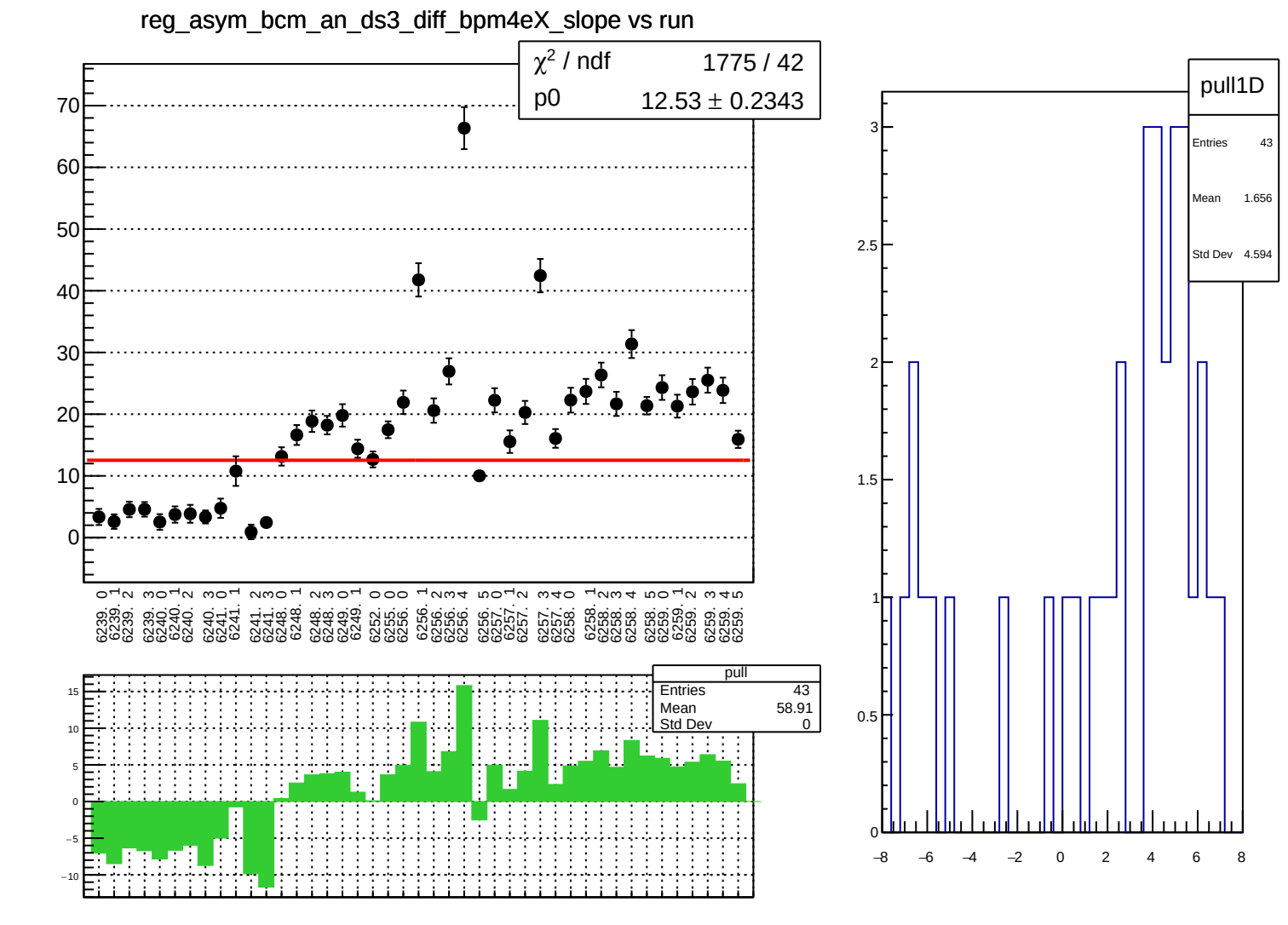

pull1D
Entries 43
Mean 0.045
Std Dev 1.204

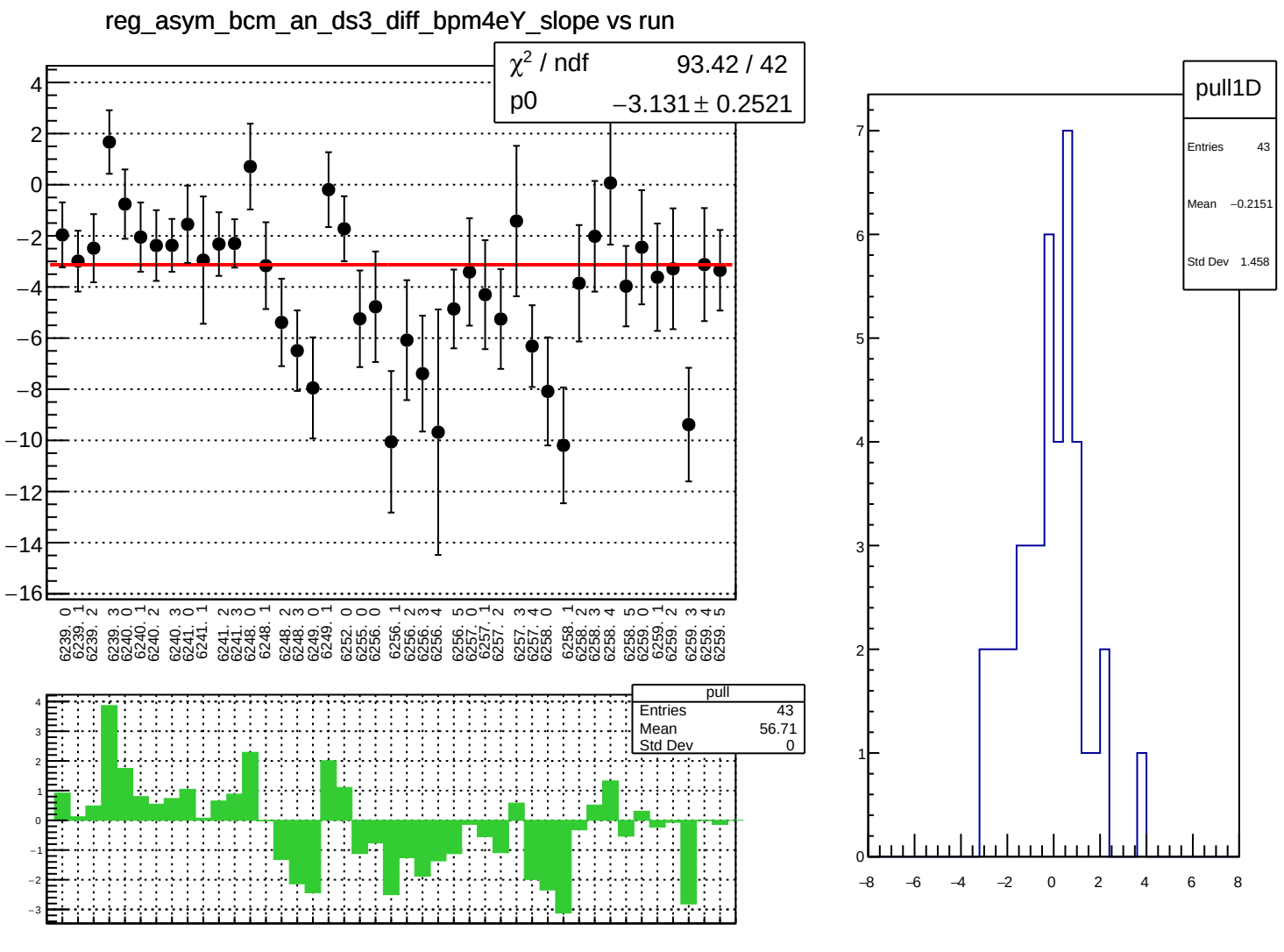

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 48.64 / 42
p0 −17.17 ± 0.1037
−15
−16
−17
−18
−19
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean −56.25
Std Dev 0
3
2
1
0
−1
−2

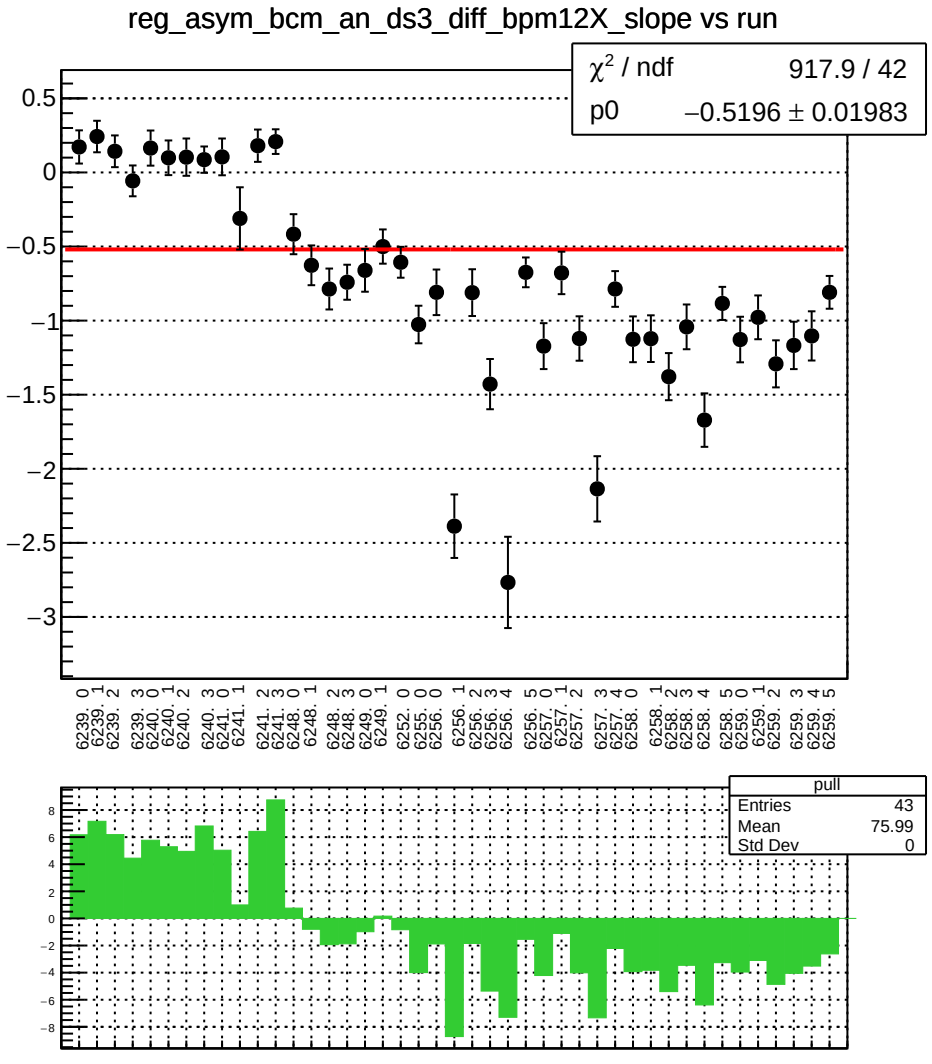

pull1D
Entries 43
Mean −0.02391
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

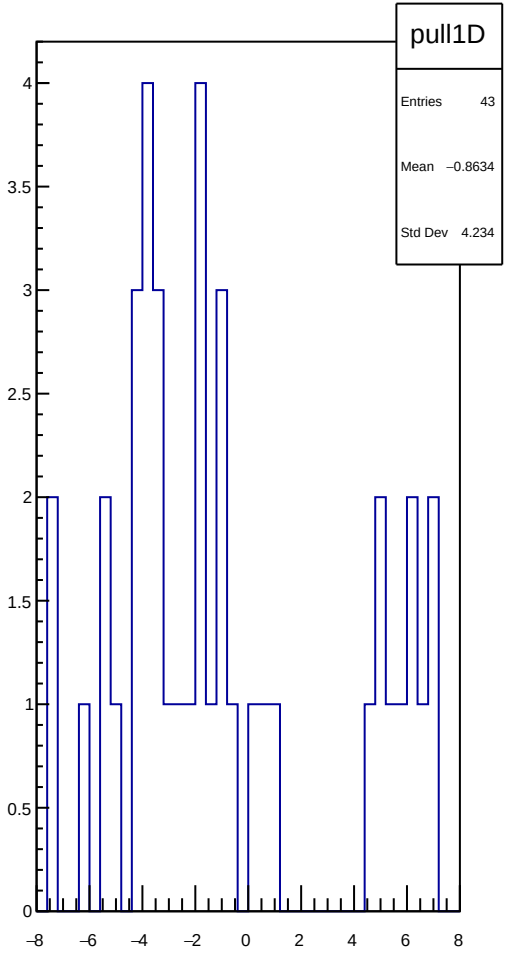

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1806 / 42
p0 −10.31 ± 0.1956
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 61.8
Std Dev 0
10
5
0
−5
−10
−15
pull1D
Entries 43
Mean −1.863
Std Dev 4.387
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

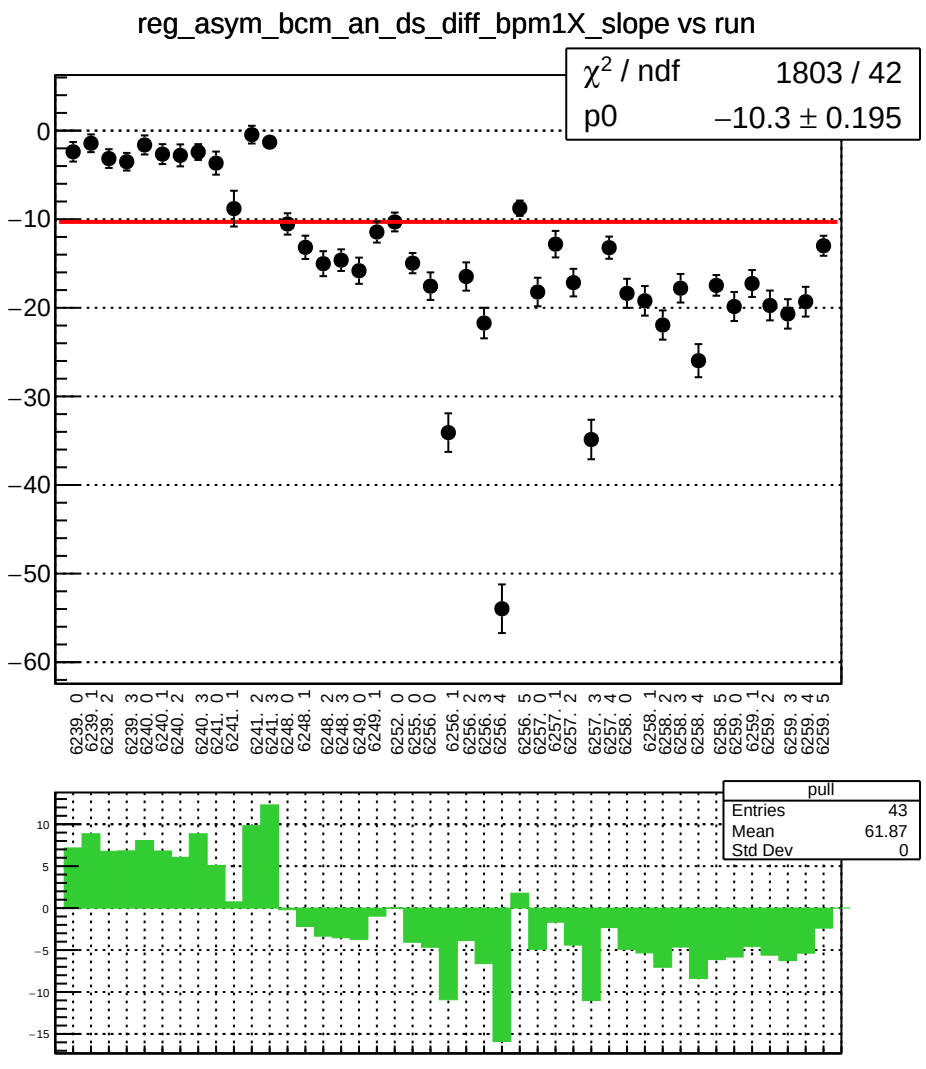

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 83.06 / 42
p0 2.257 ± 0.2303
pull
Entries 43
Mean 59.3
Std Dev 0
pull1D
Entries 43
Mean 0.1973
Std Dev 1.376

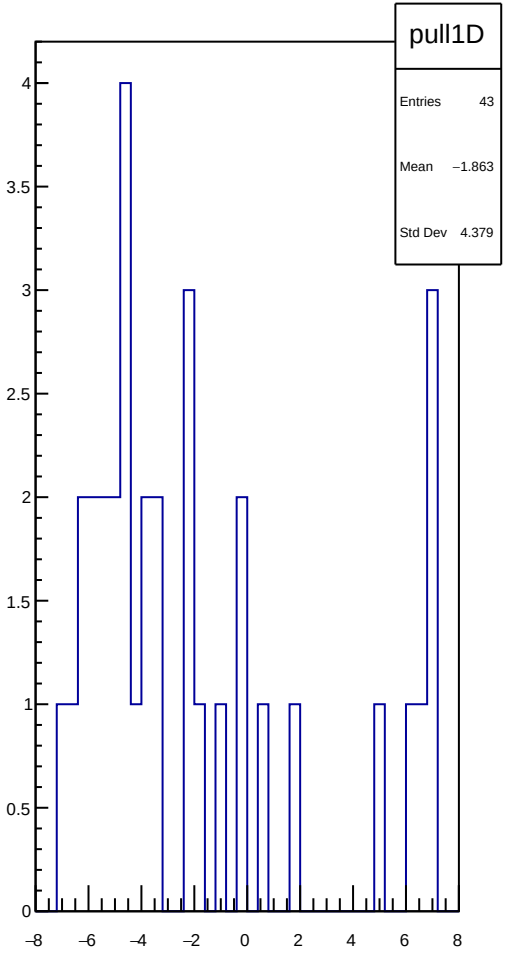

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1775 / 42
p0 12.53 ± 0.2343
pull
Entries 43
Mean 58.91
Std Dev 0
pull1D
Entries 43
Mean 1.656
Std Dev 4.594

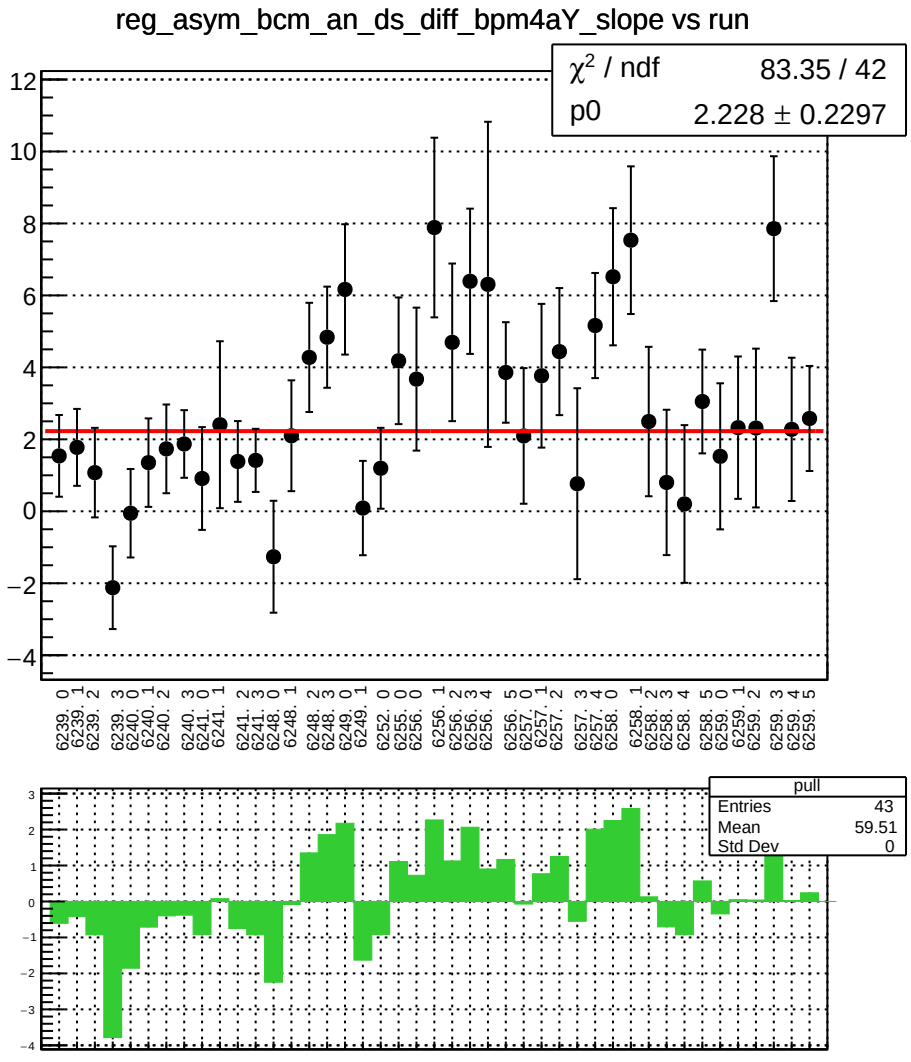

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 93.42 / 42
p0 −3.131 ± 0.2521
pull
Entries 43
Mean 56.71
Std Dev 0
pull1D
Entries 43
Mean −0.2151
Std Dev 1.458

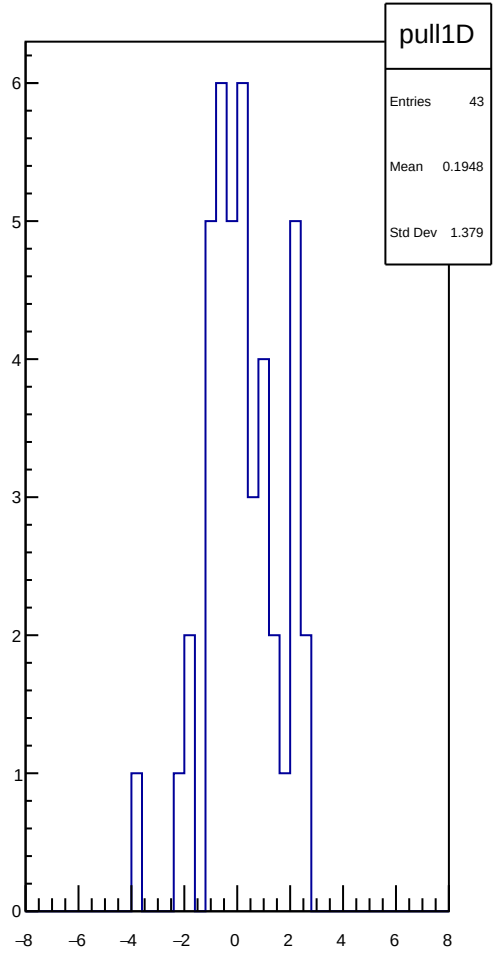

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 917.9 / 42
p0 −0.5196 ± 0.01983
pull
Entries 43
Mean 75.99
Std Dev 0

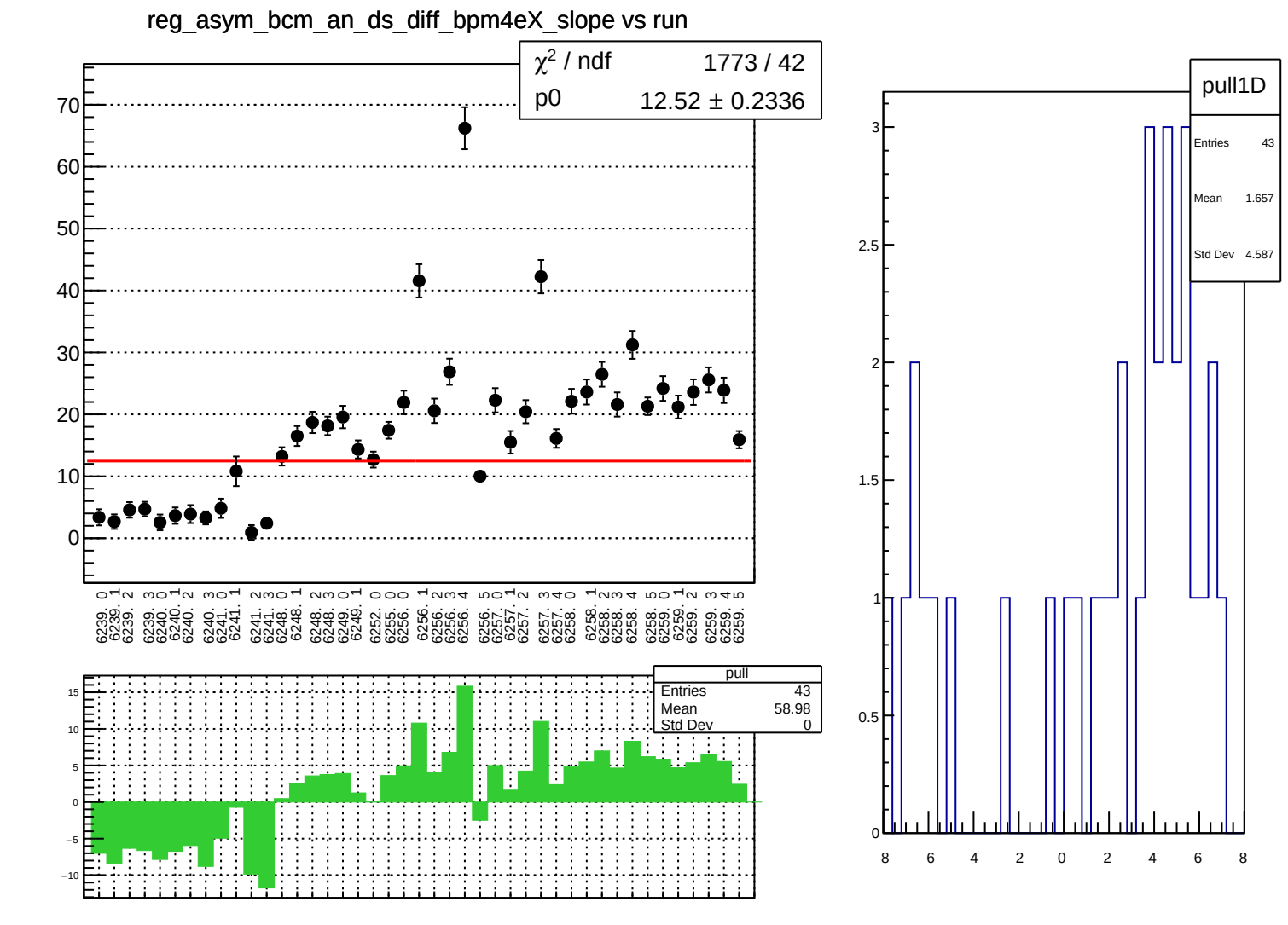

pull1D
Entries 43
Mean −0.8634
Std Dev 4.234

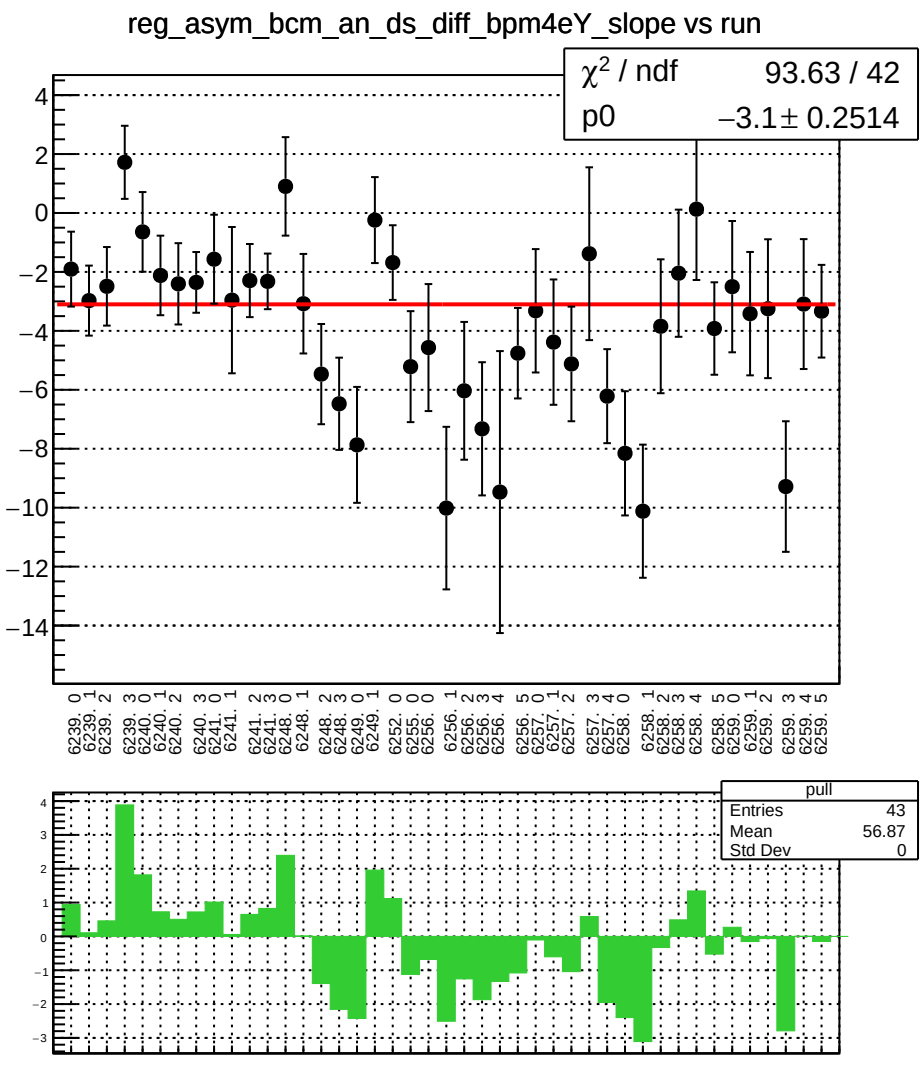

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1803 / 42
p0 −10.3 ± 0.195
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 61.87
Std Dev 0
10
5
0
−5
−10
−15

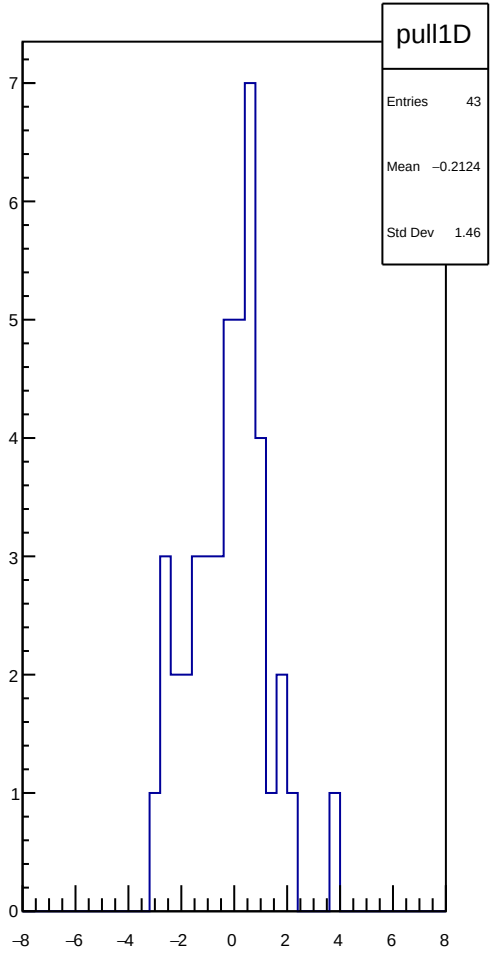

pull1D
Entries 43
Mean −1.863
Std Dev 4.379
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

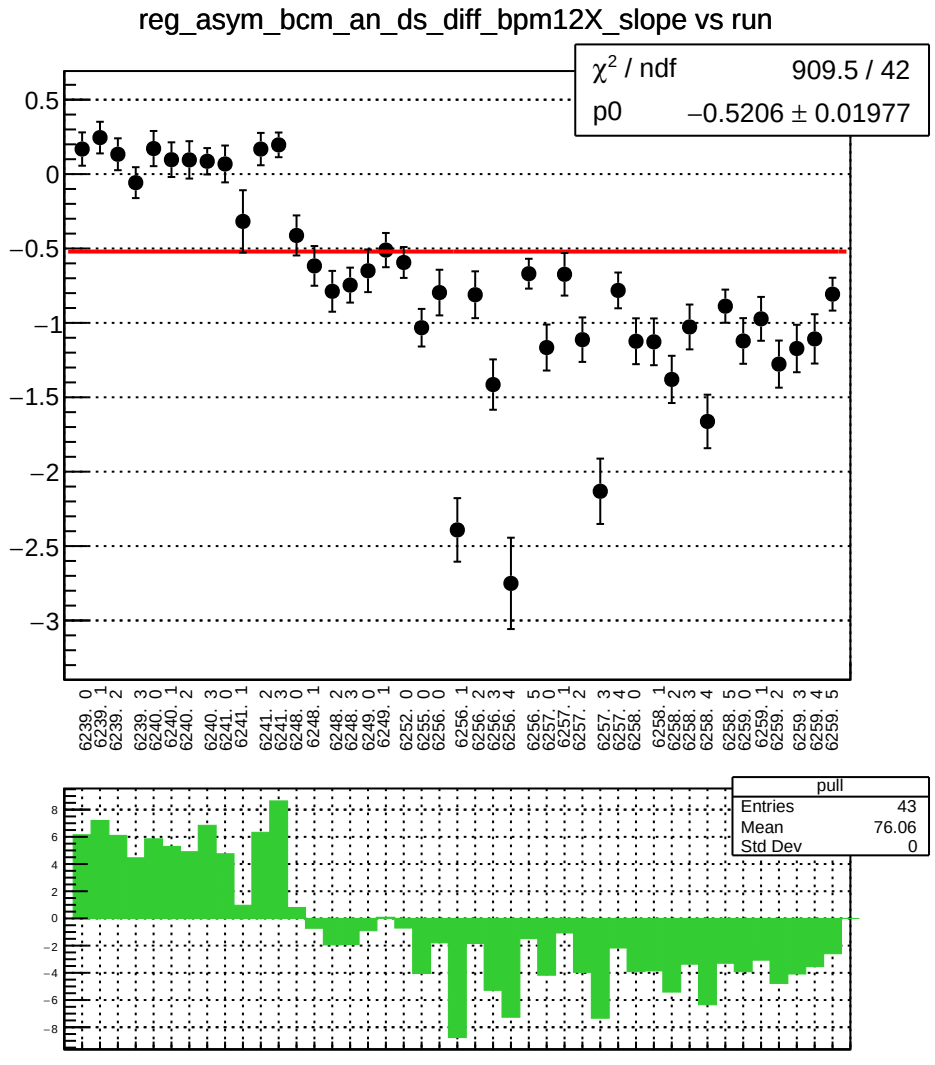

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 83.35 / 42
p0 2.228 ± 0.2297
pull
Entries 43
Mean 59.51
Std Dev 0

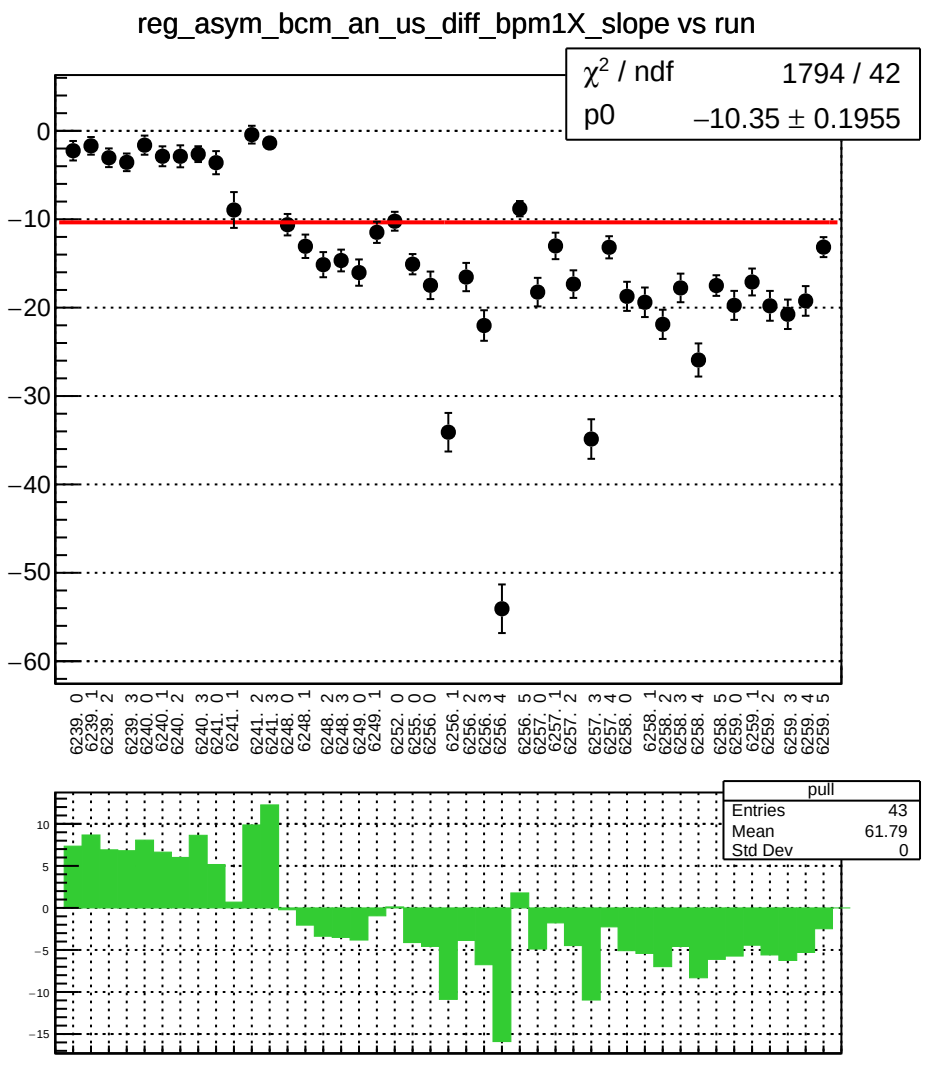

pull1D
Entries 43
Mean 0.1948
Std Dev 1.379

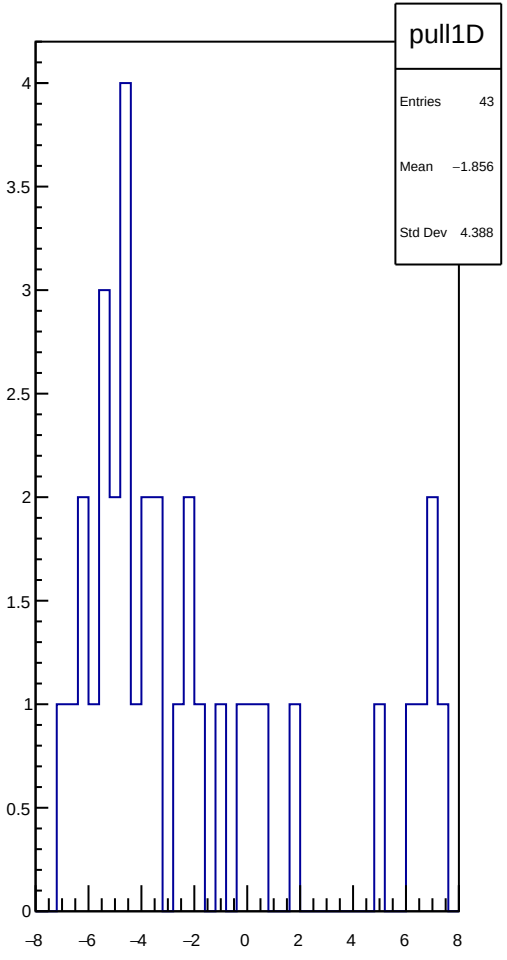

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1773 / 42
p0 12.52 ± 0.2336
pull
Entries 43
Mean 58.98
Std Dev 0
pull1D
Entries 43
Mean 1.657
Std Dev 4.587

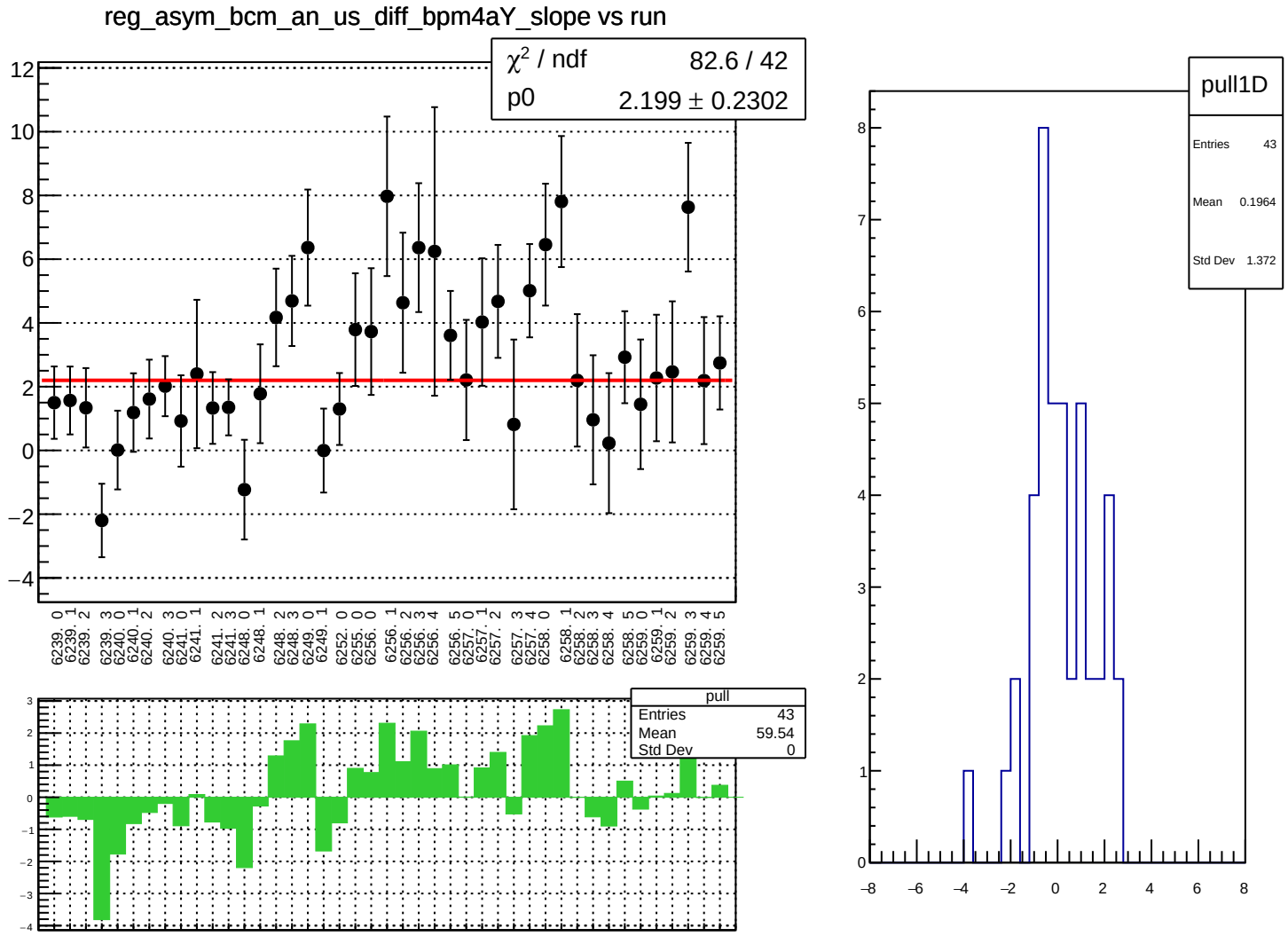

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 93.63 / 42
p0 −3.1 ± 0.2514
4
2
0
−2
−4
−6
−8
−10
−12
−14
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 56.87
Std Dev 0
4
3
2
1
0
−1
−2
−3

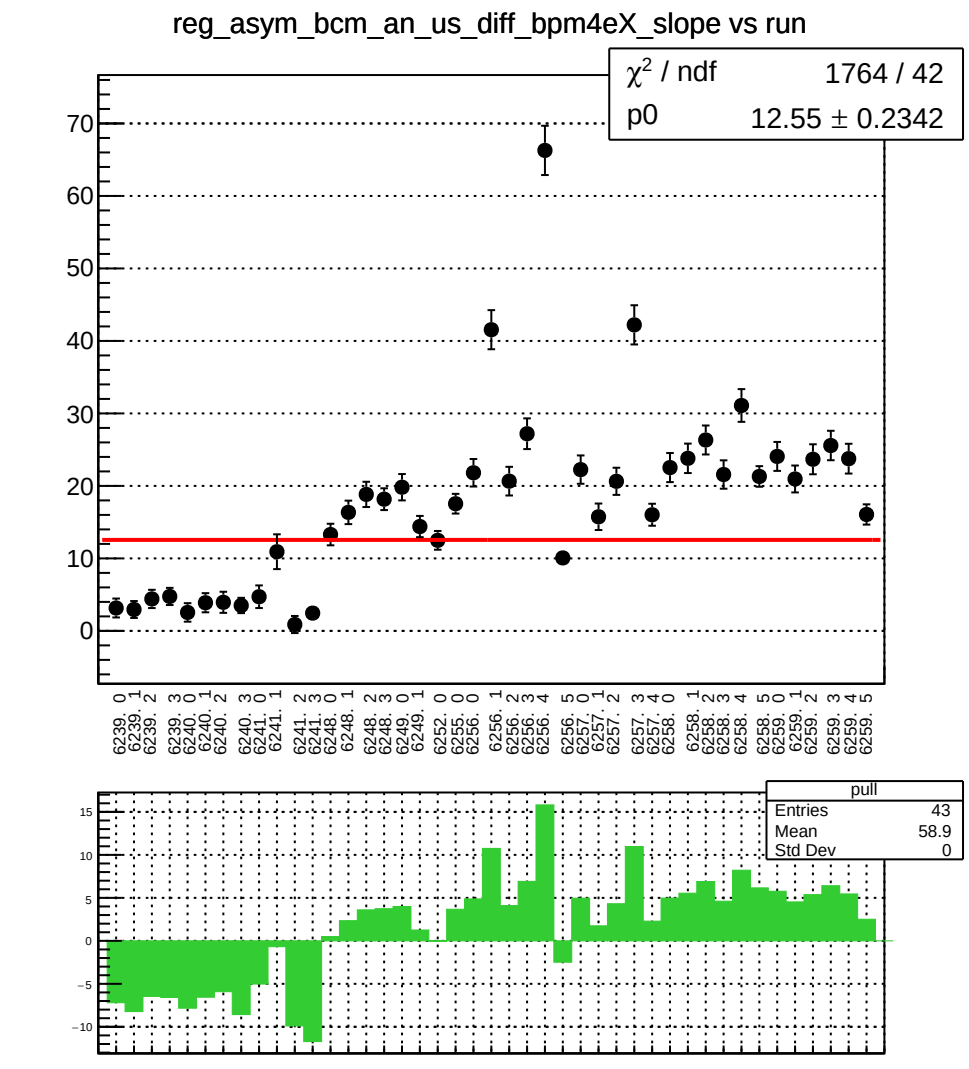

pull1D
Entries 43
Mean −0.2124
Std Dev 1.46
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

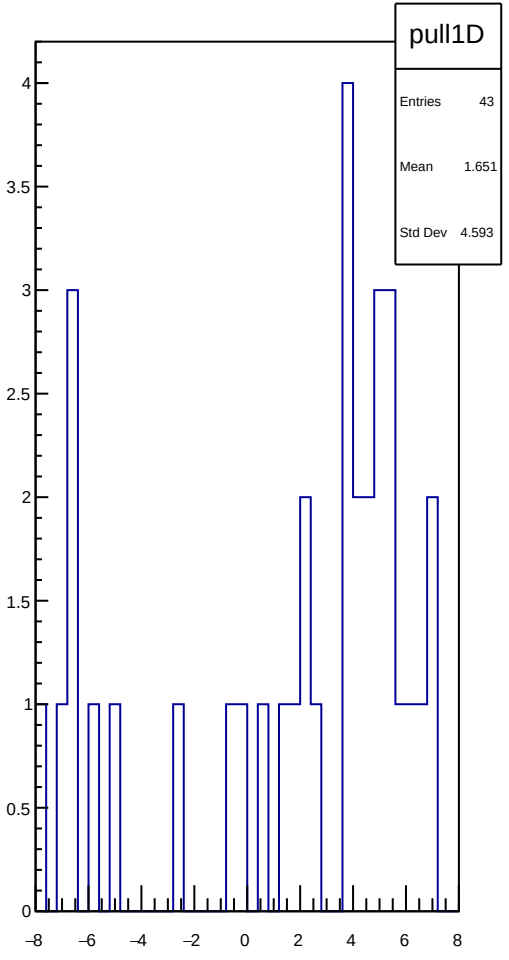

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 909.5 / 42
p0 −0.5206 ± 0.01977
pull
Entries 43
Mean 76.06
Std Dev 0
pull1D
Entries 43
Mean −0.8548
Std Dev 4.214

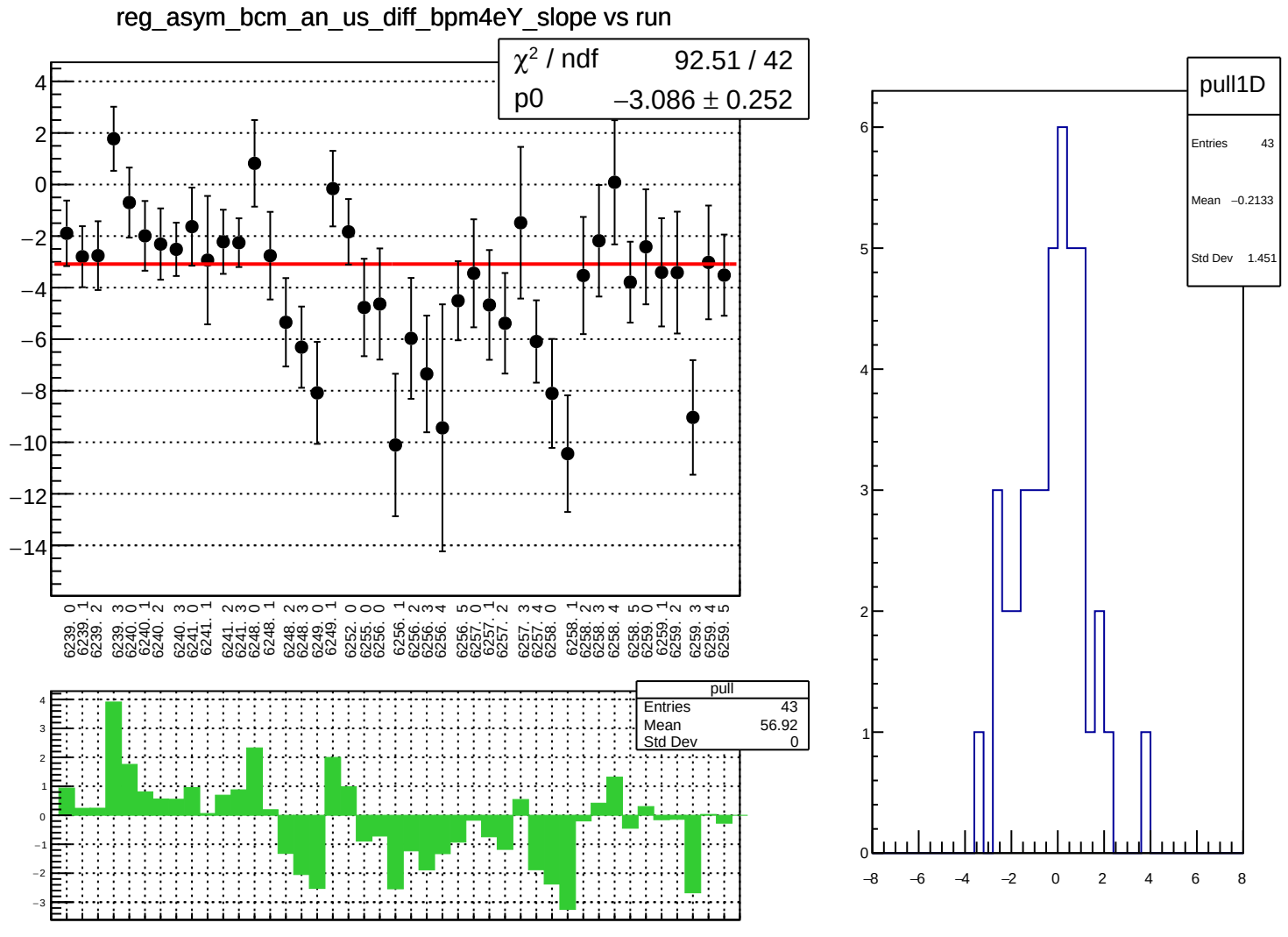

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1794 / 42
p0 −10.35 ± 0.1955
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 61.79
Std Dev 0
10
5
0
−5
−10
−15

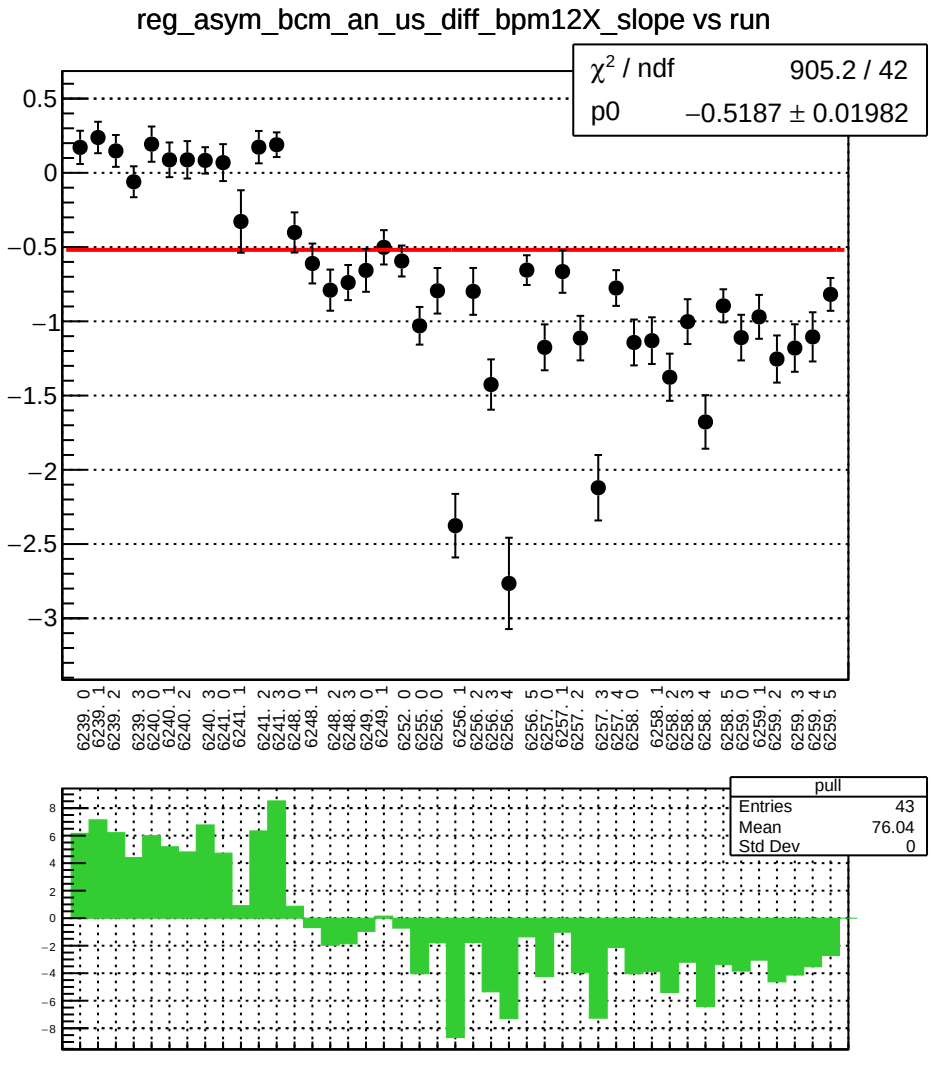

pull1D
Entries 43
Mean −1.856
Std Dev 4.388
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

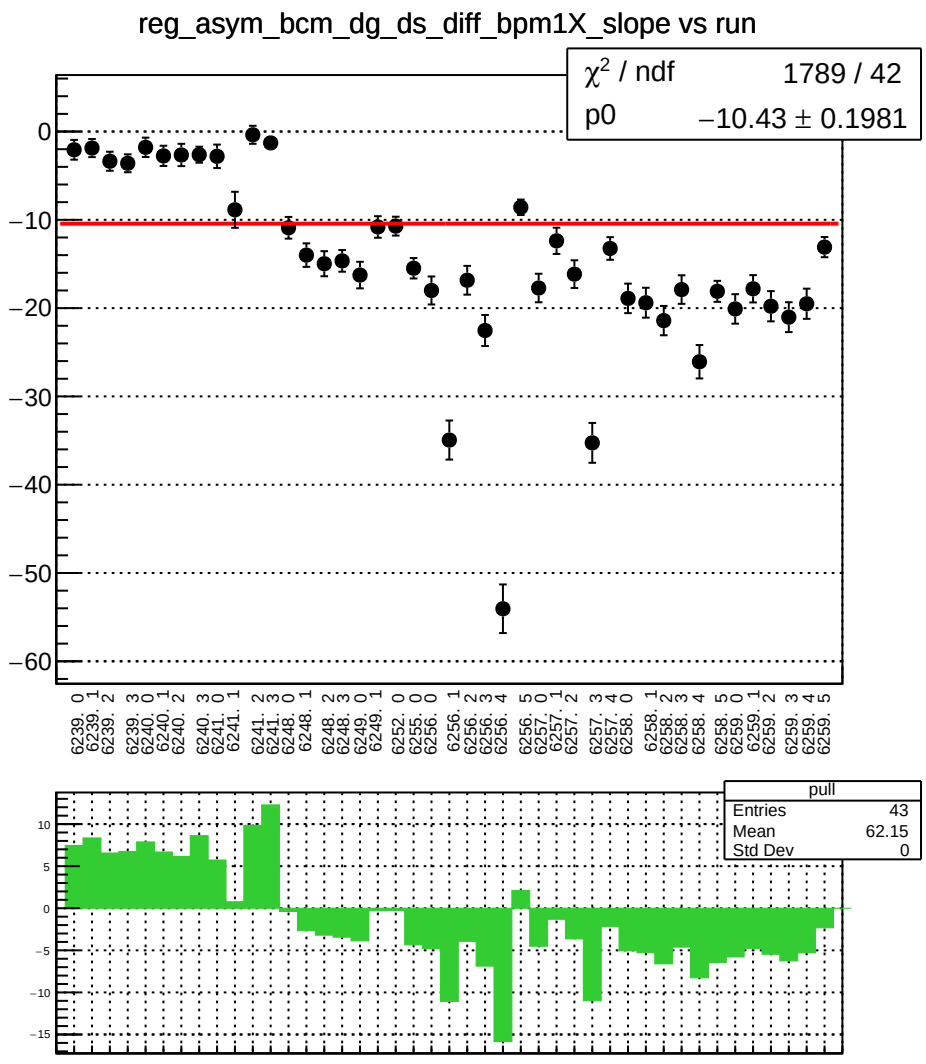

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 82.6 / 42
p0 2.199 ± 0.2302
pull
Entries 43
Mean 59.54
Std Dev 0
pull1D
Entries 43
Mean 0.1964
Std Dev 1.372

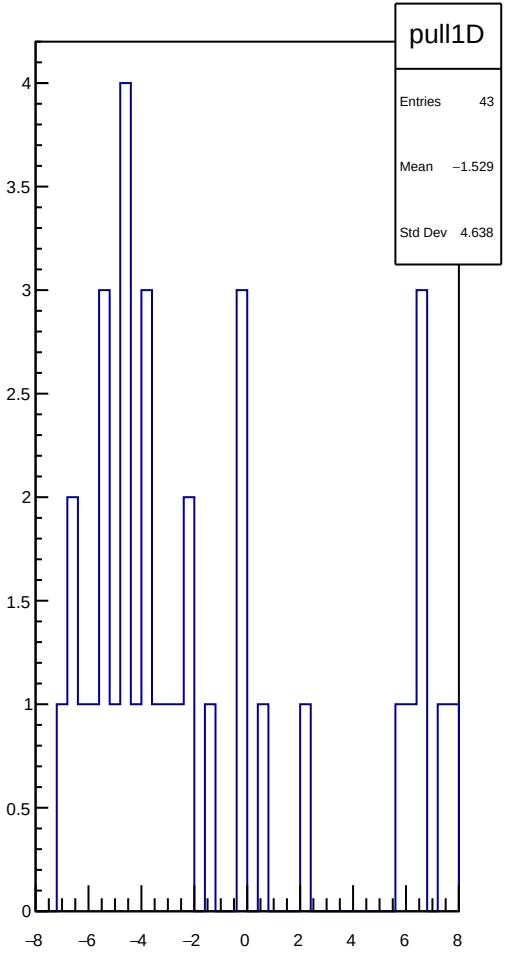

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1764 / 42
p0 12.55 ± 0.2342
pull
Entries 43
Mean 58.9
Std Dev 0

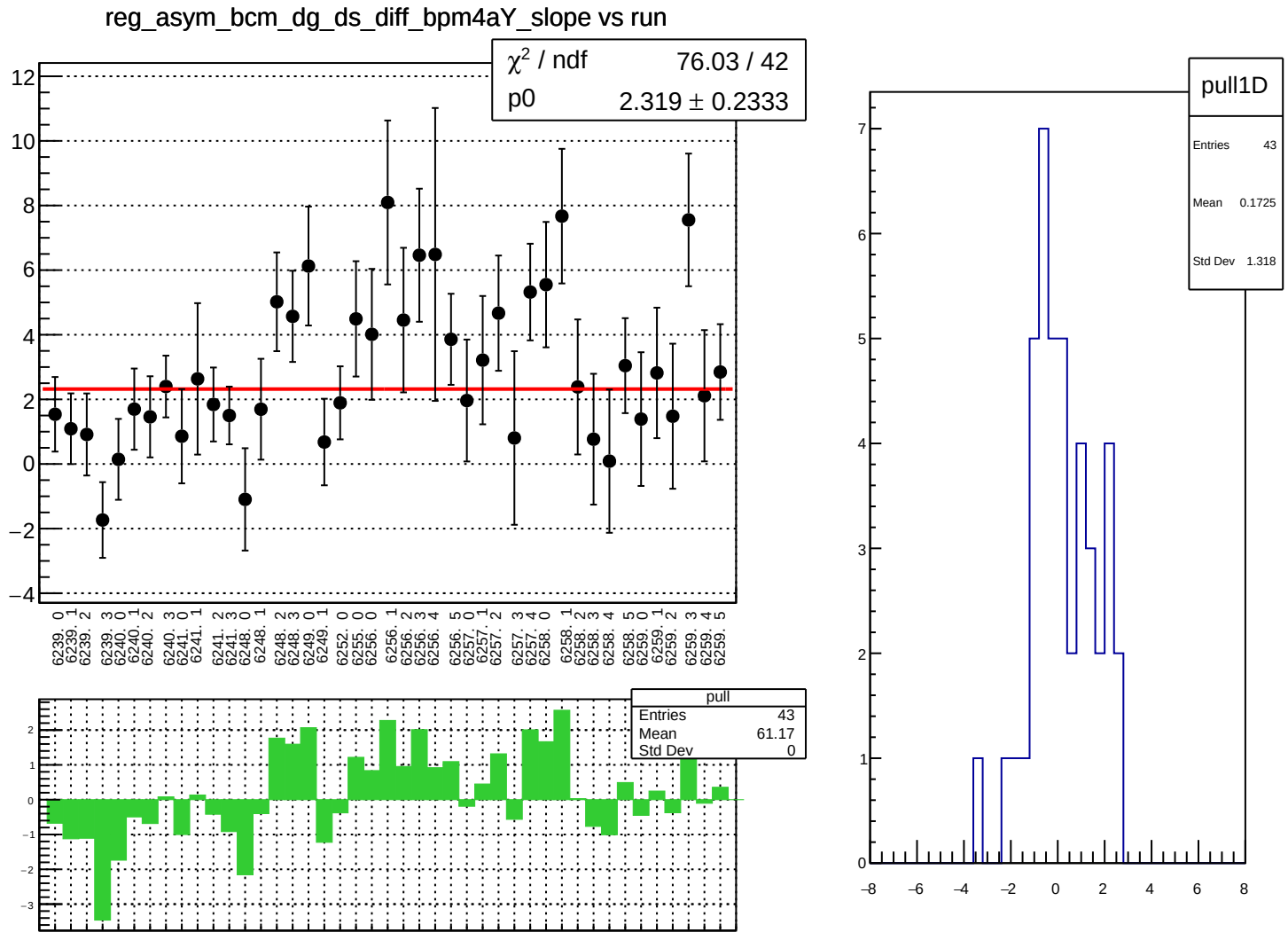

pull1D
Entries 43
Mean 1.651
Std Dev 4.593

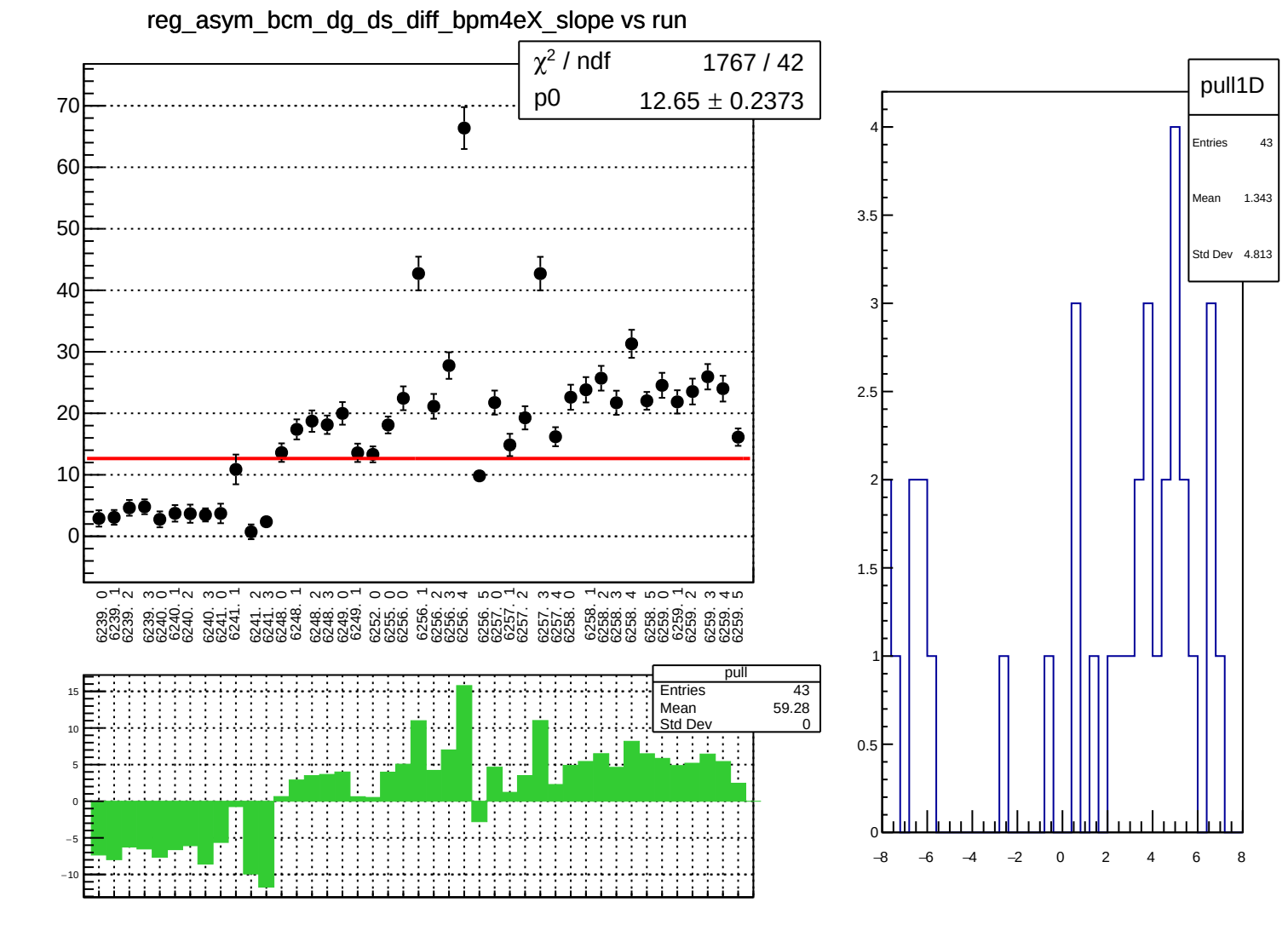

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 92.51 / 42
p0 −3.086 ± 0.252
pull
Entries 43
Mean 56.92
Std Dev 0
pull1D
Entries 43
Mean −0.2133
Std Dev 1.451

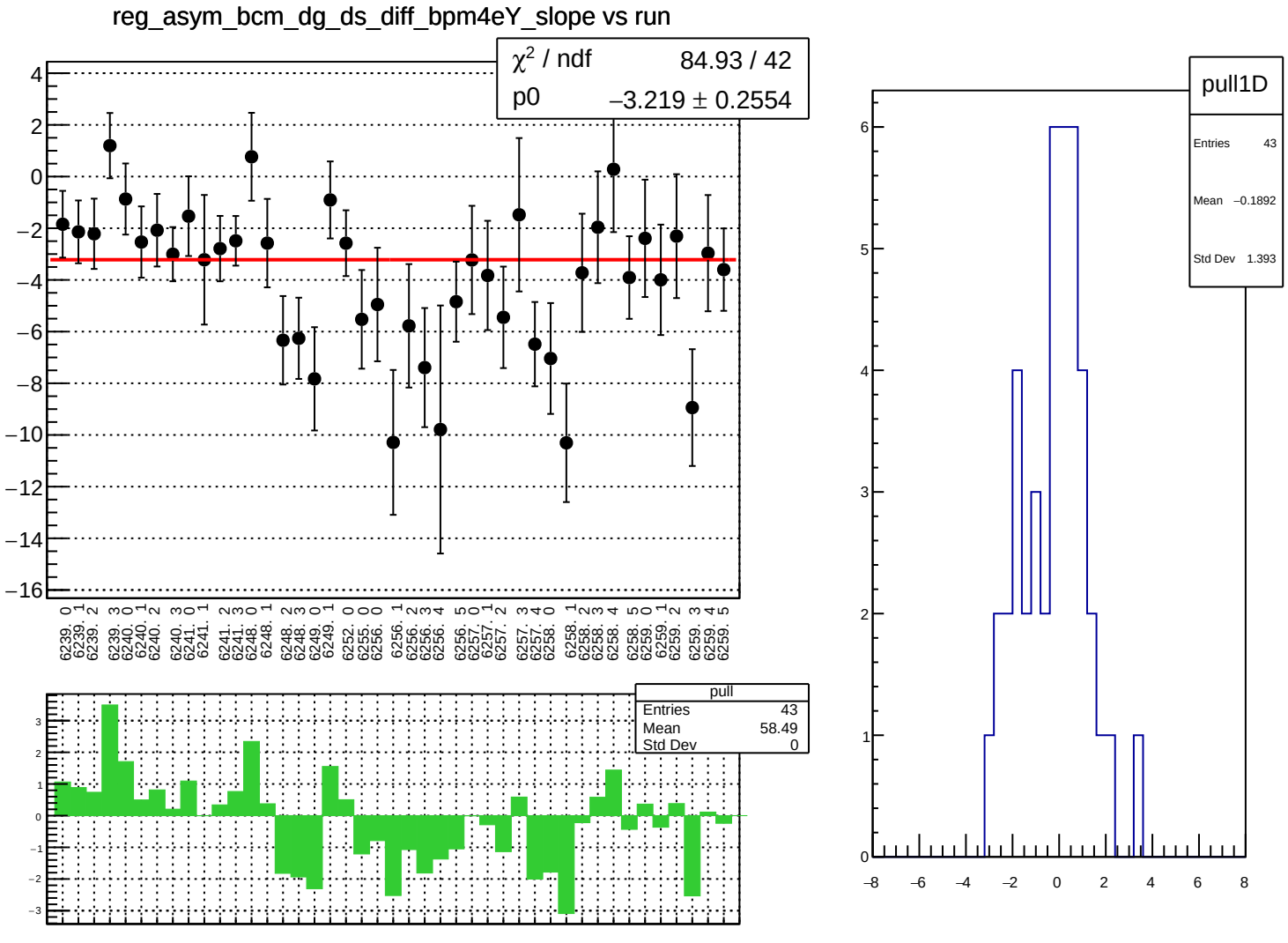

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 905.2 / 42
p0 −0.5187 ± 0.01982
pull
Entries 43
Mean 76.04
Std Dev 0
pull1D
Entries 43
Mean −0.853
Std Dev 4.212

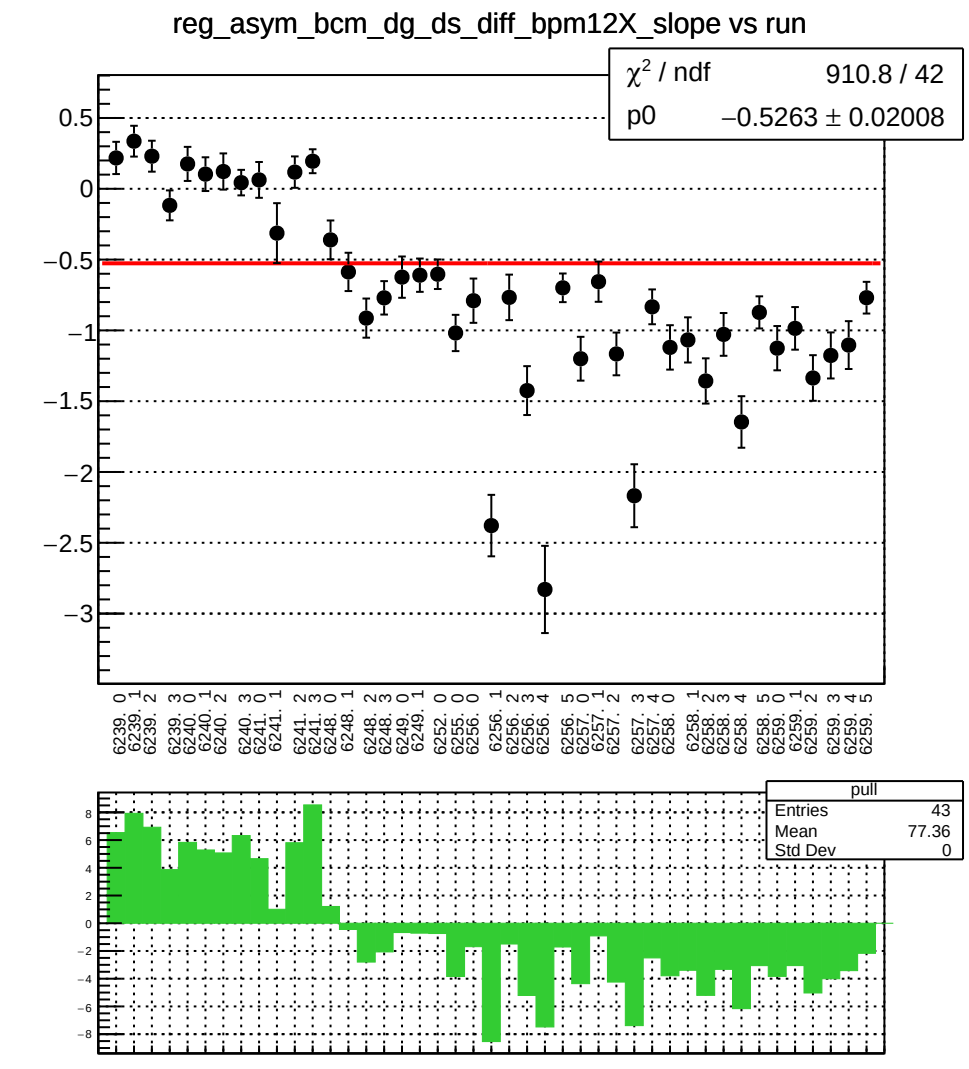

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1789 / 42
p0 −10.43 ± 0.1981
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.15
Std Dev 0
10
5
0
−5
−10
−15

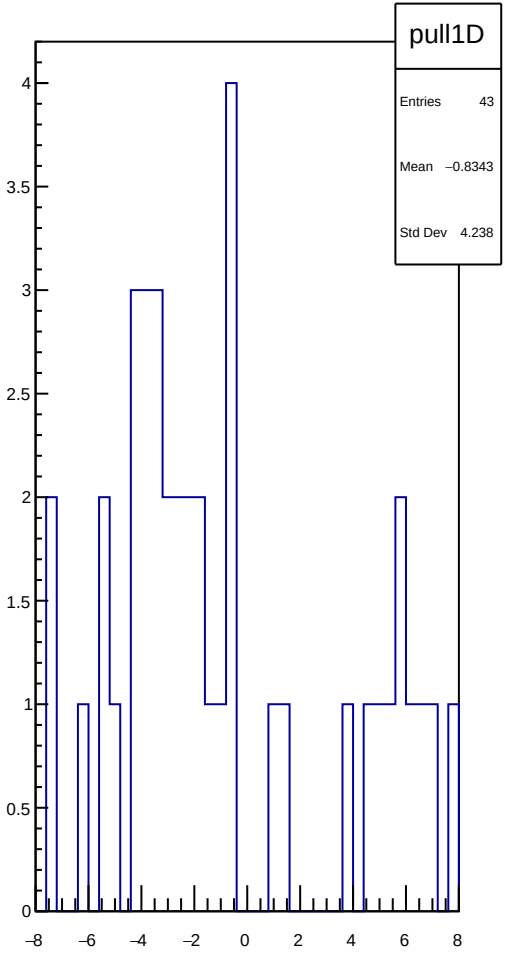

pull1D
Entries 43
Mean −1.529
Std Dev 4.638
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

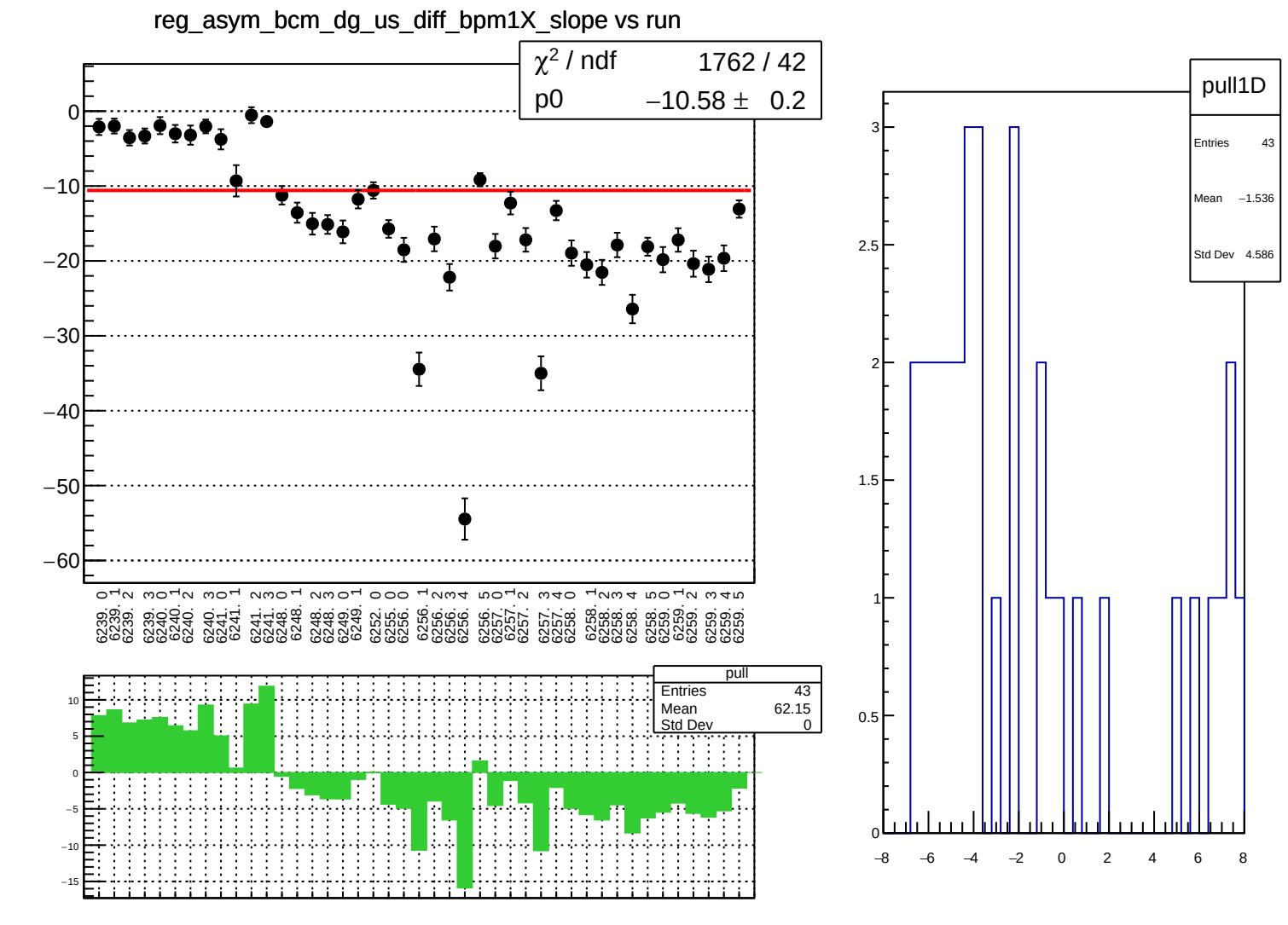

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 76.03 / 42
p0 2.319 ± 0.2333
pull
Entries 43
Mean 61.17
Std Dev 0
pull1D
Entries 43
Mean 0.1725
Std Dev 1.318

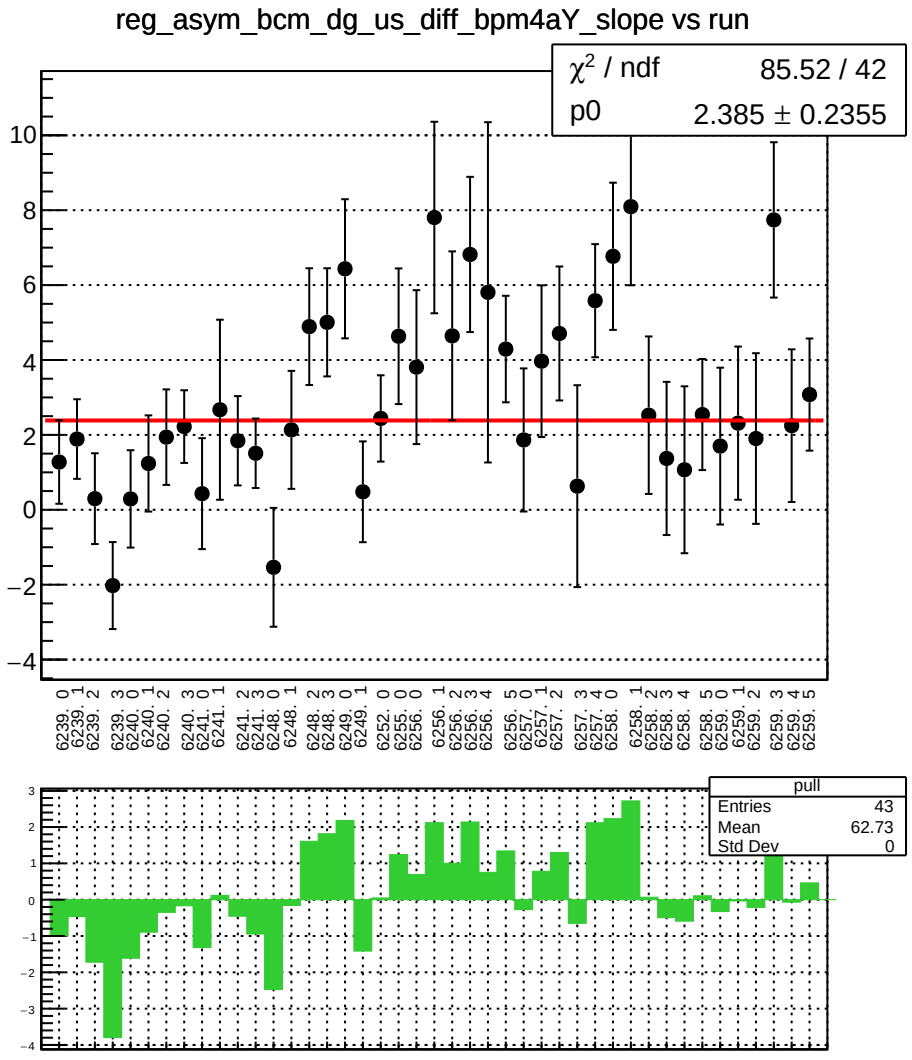

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1767 / 42
p0 12.65 ± 0.2373
pull
Entries 43
Mean 59.28
Std Dev 0
pull1D
Entries 43
Mean 1.343
Std Dev 4.813

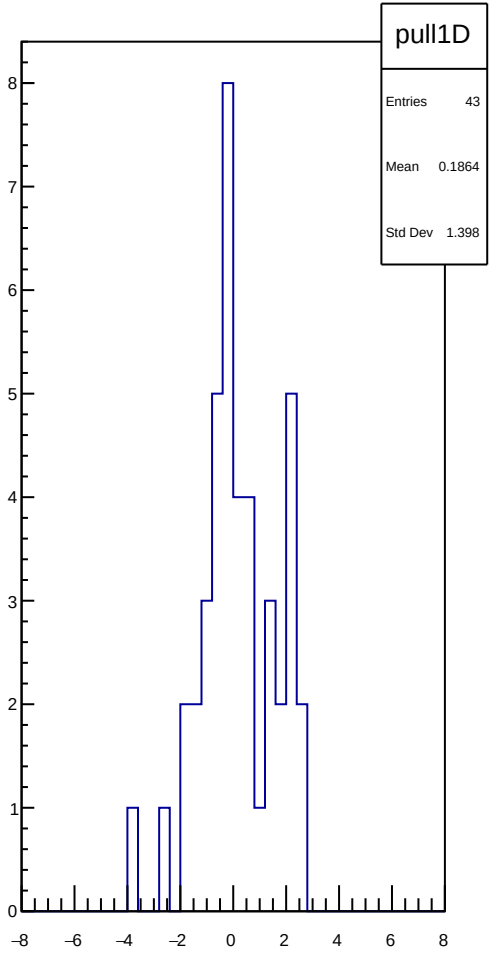

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 84.93 / 42
p0 −3.219 ± 0.2554
pull
Entries 43
Mean 58.49
Std Dev 0
pull1D
Entries 43
Mean −0.1892
Std Dev 1.393

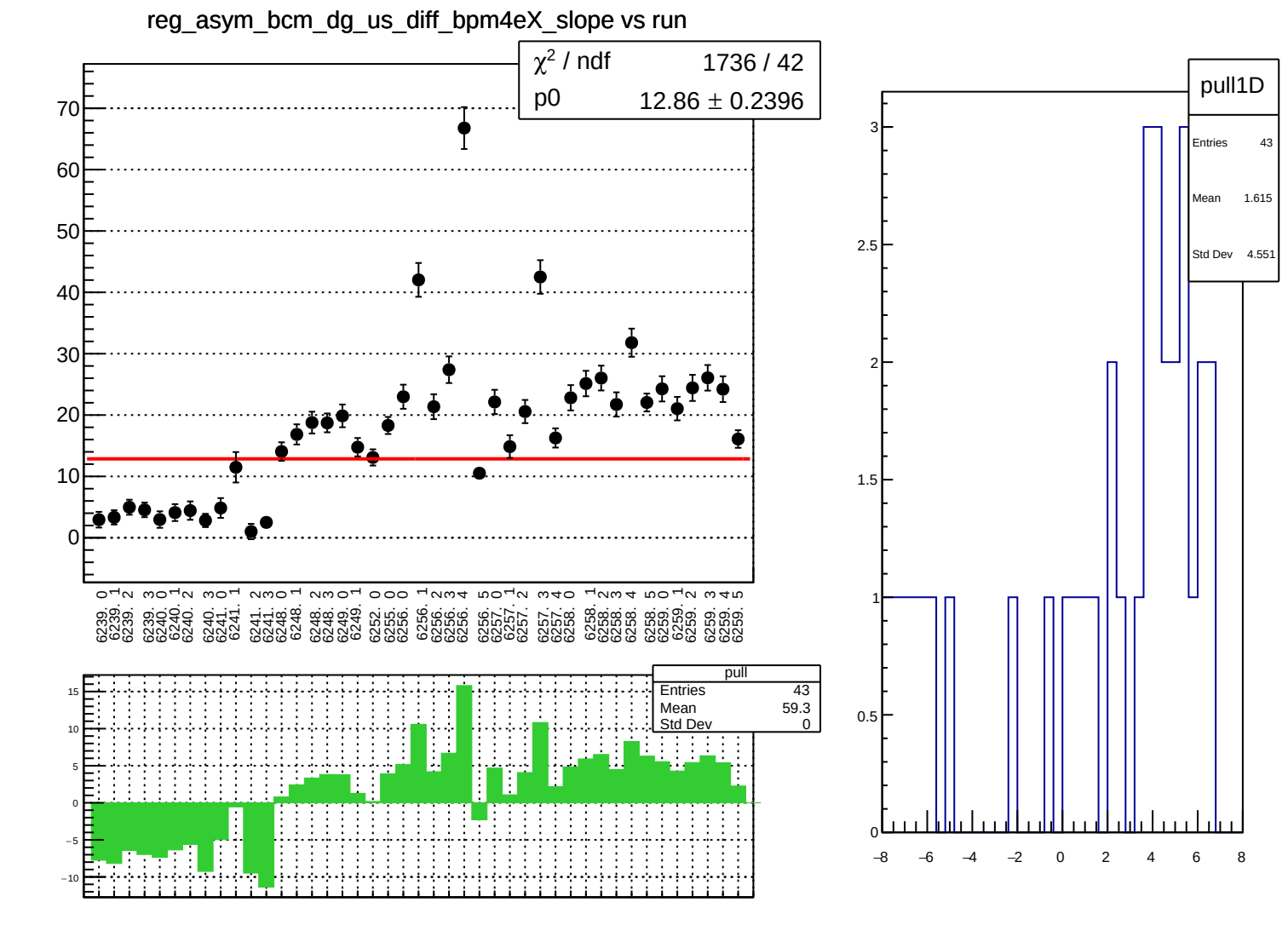

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 910.8 / 42
p0 −0.5263 ± 0.02008
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 77.36
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

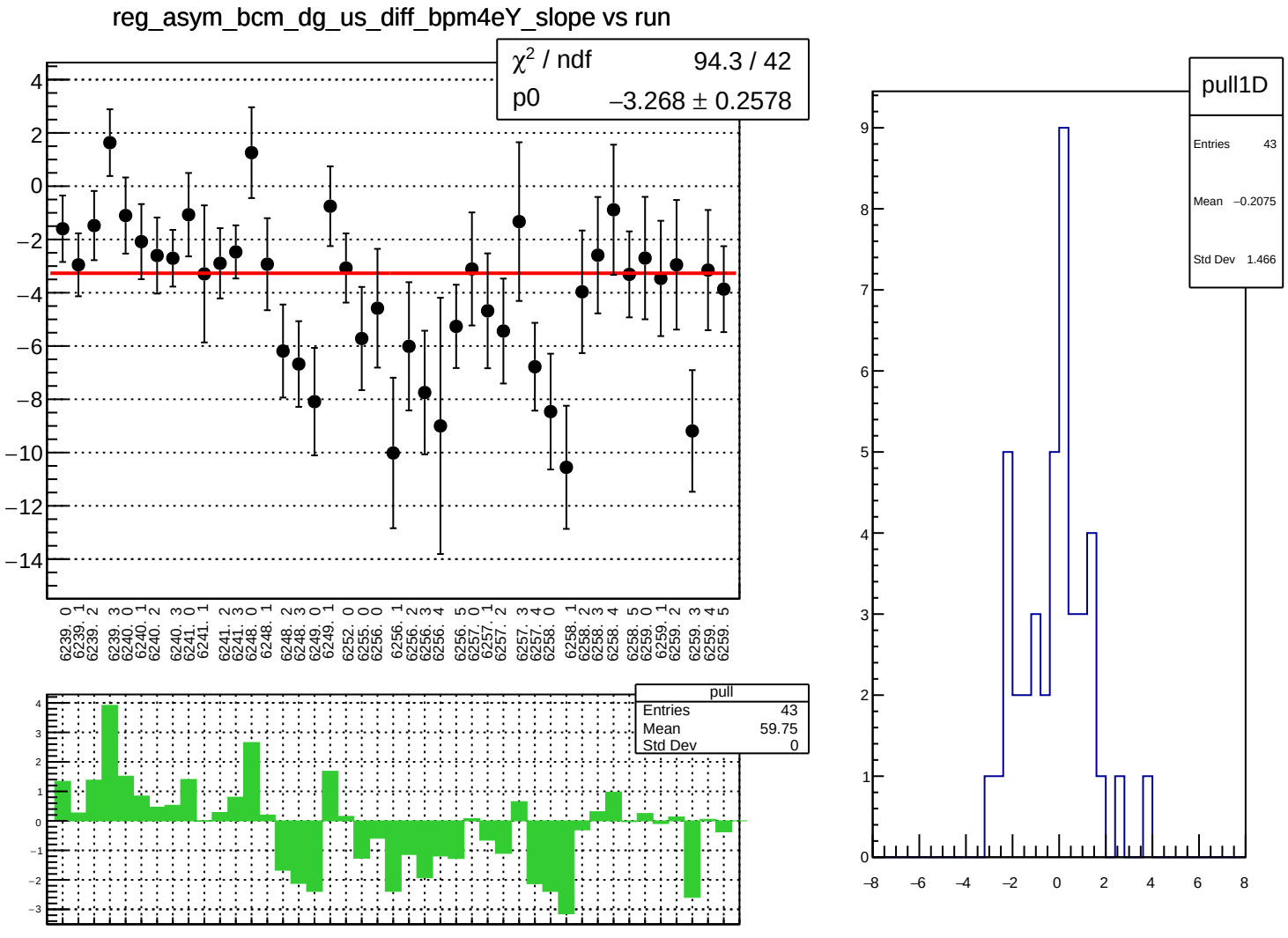

pull1D
Entries 43
Mean −0.8343
Std Dev 4.238
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

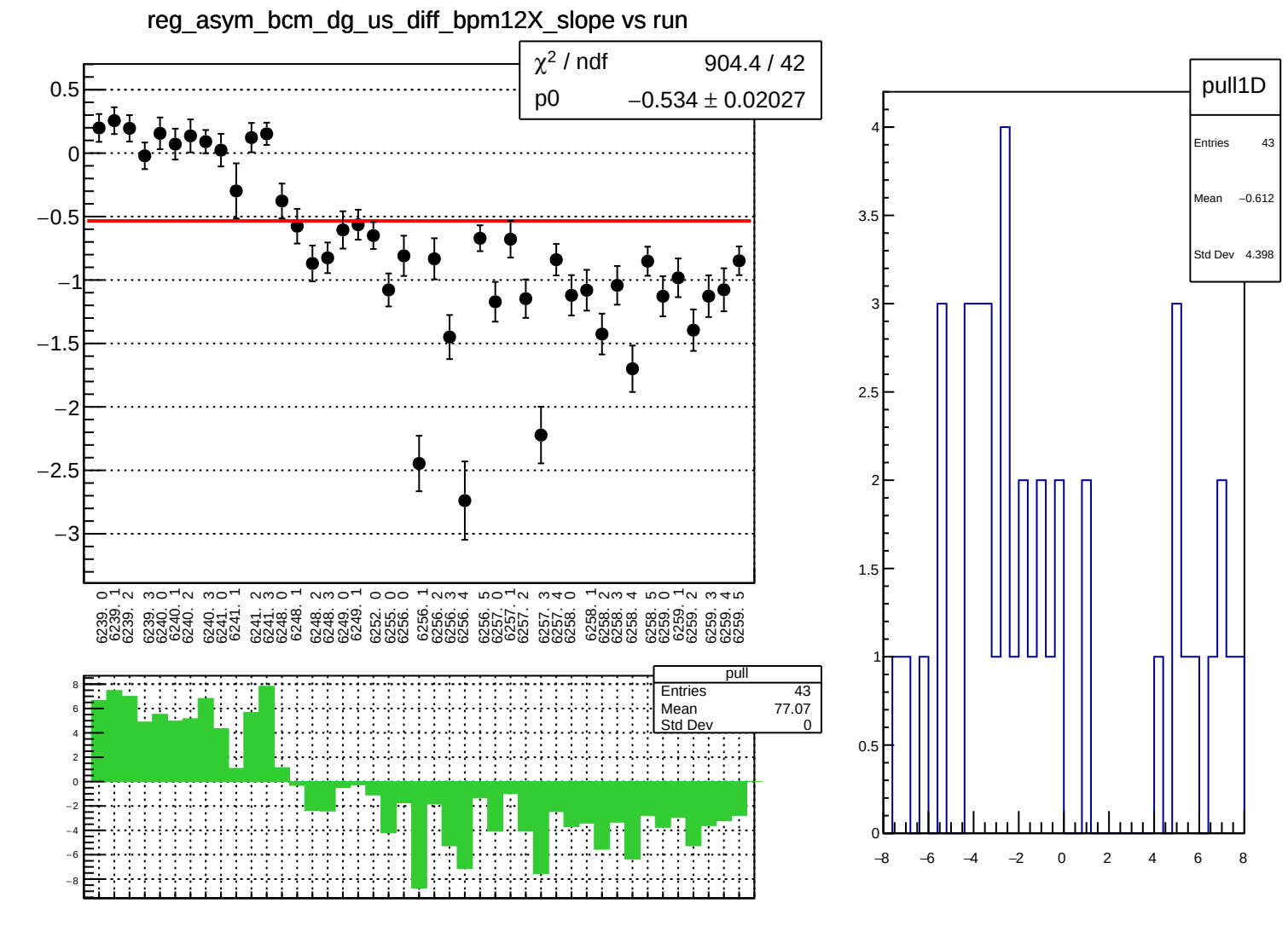

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1762 / 42
p0 −10.58 ± 0.2
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.15
Std Dev 0
10
5
0
−5
−10
−15
pull1D
Entries 43
Mean −1.536
Std Dev 4.586
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

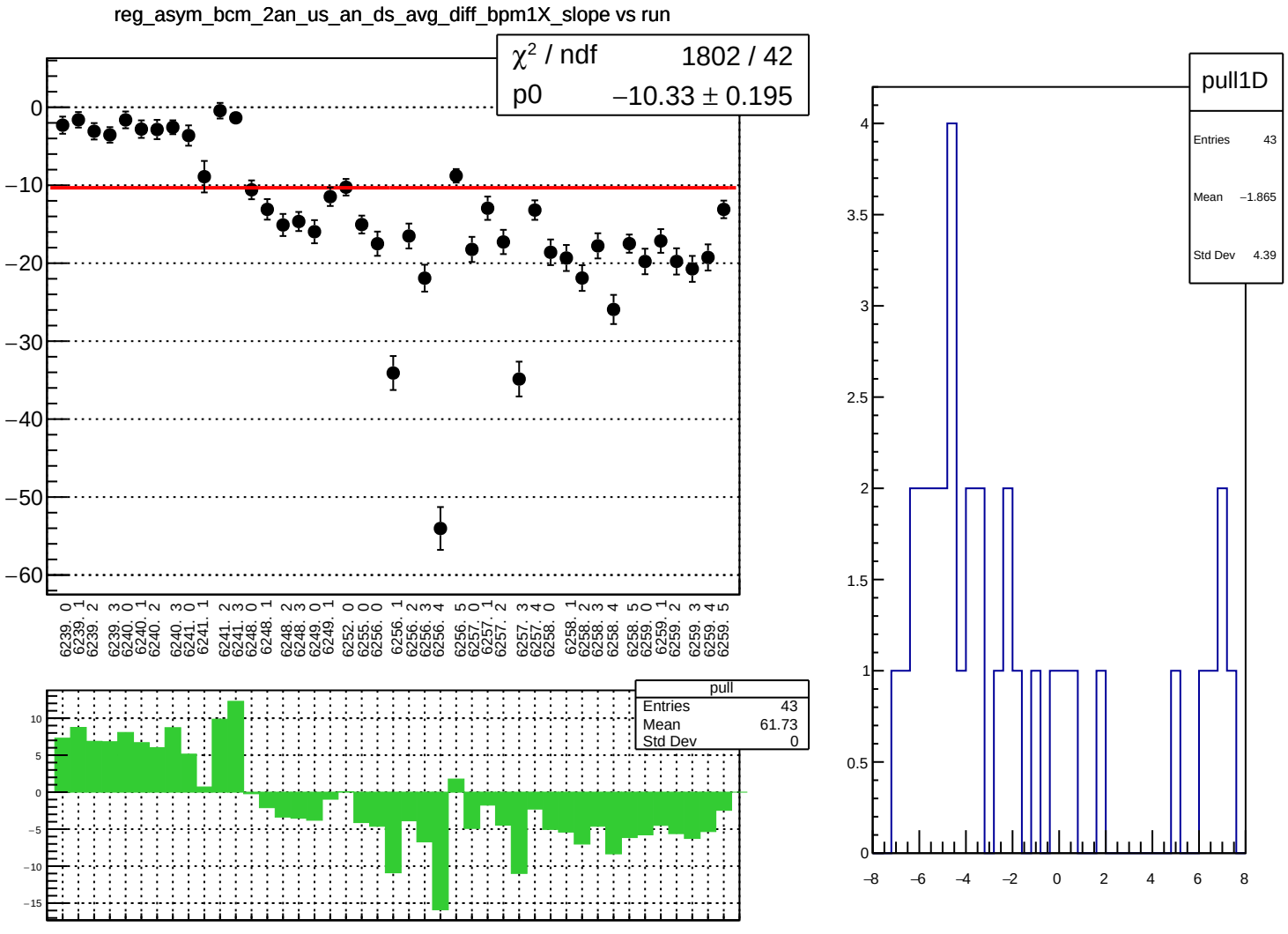

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 85.52 / 42
p0 2.385 ± 0.2355
pull
Entries 43
Mean 62.73
Std Dev 0

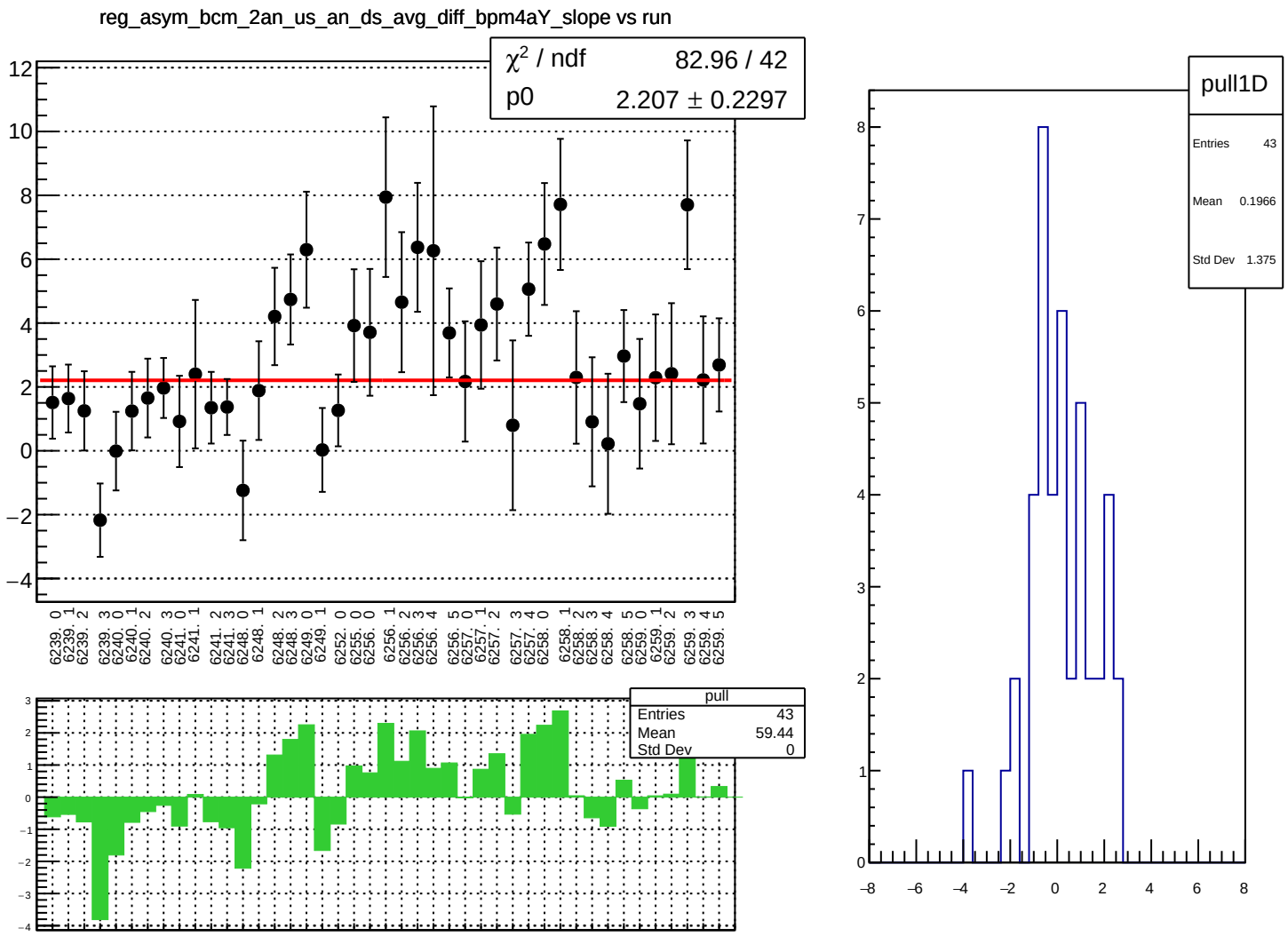

pull1D
Entries 43
Mean 0.1864
Std Dev 1.398

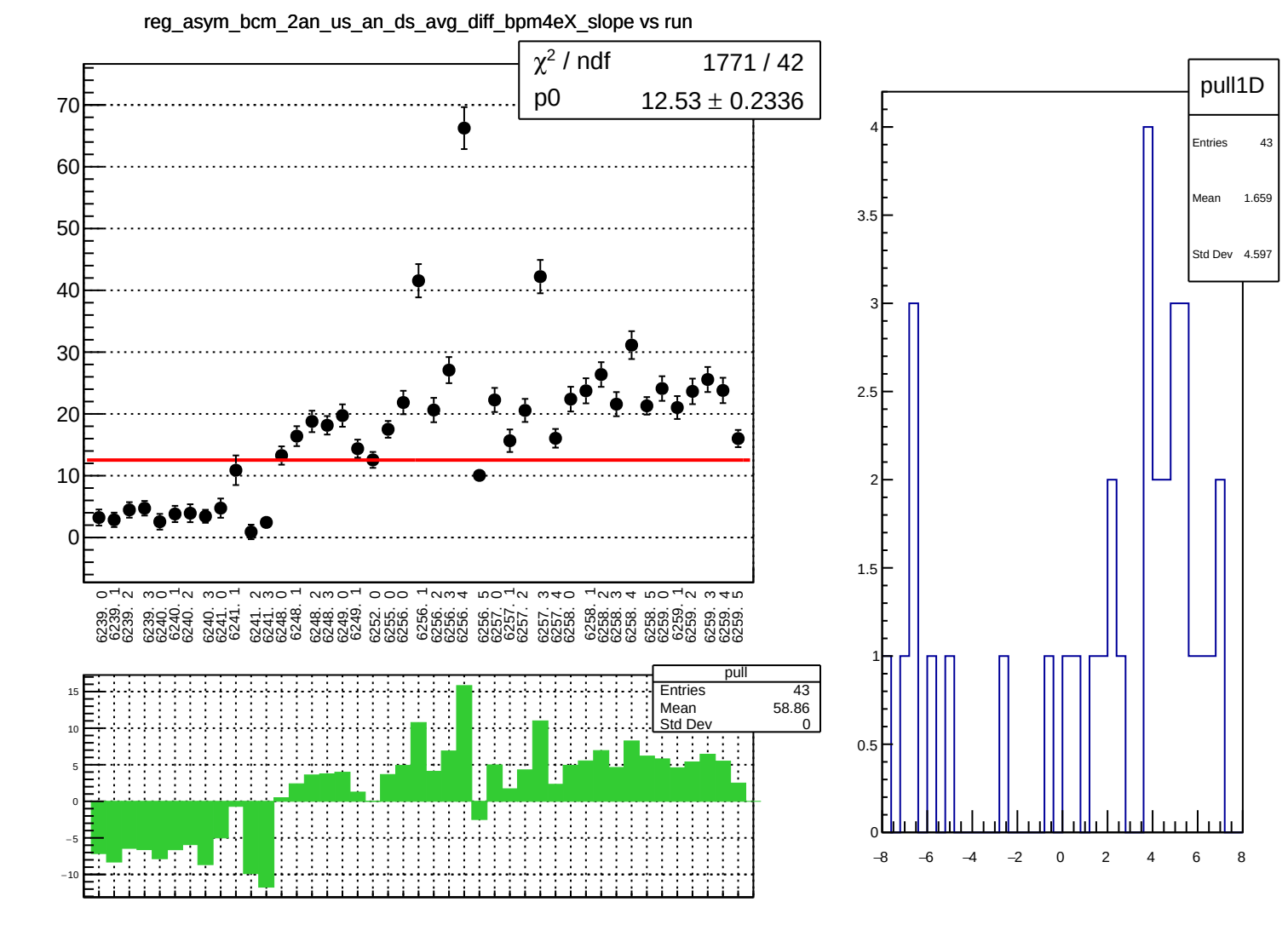

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1736 / 42
p0 12.86 ± 0.2396
pull
Entries 43
Mean 59.3
Std Dev 0
pull1D
Entries 43
Mean 1.615
Std Dev 4.551

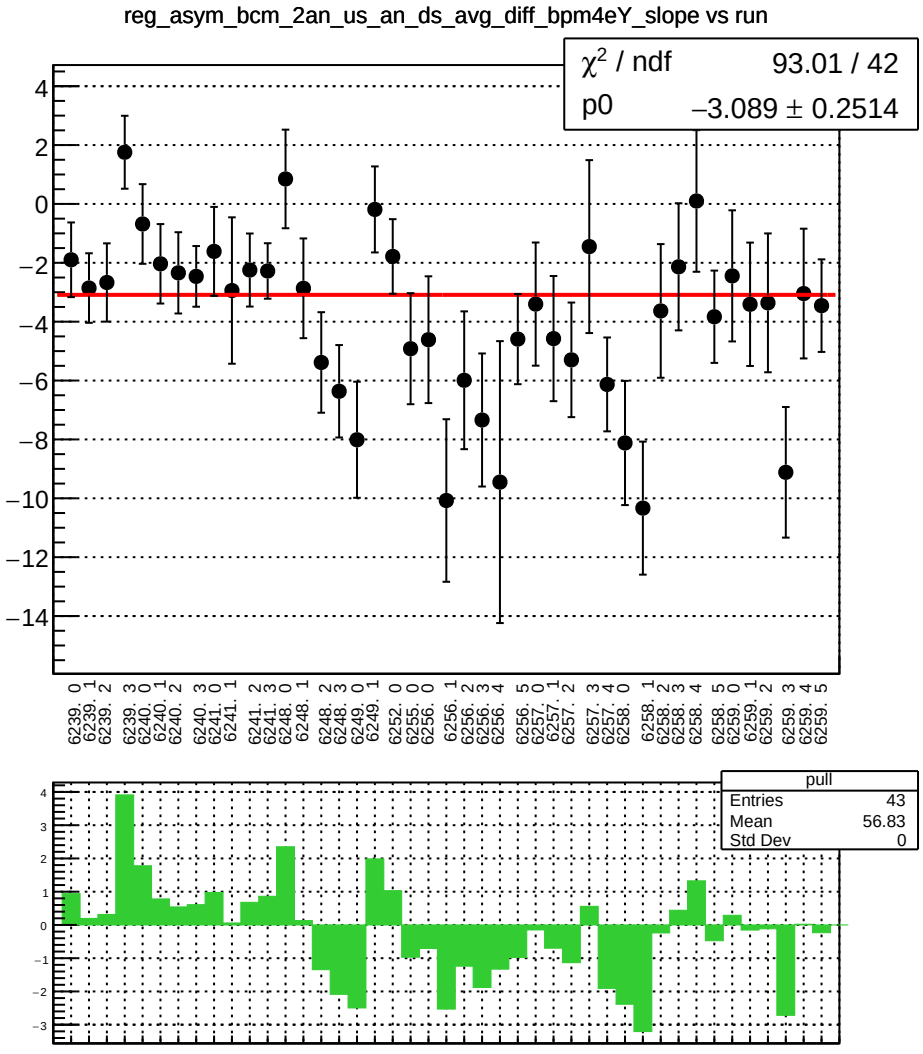

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 94.3 / 42
p0 −3.268 ± 0.2578
pull
Entries 43
Mean 59.75
Std Dev 0
pull1D
Entries 43
Mean −0.2075
Std Dev 1.466

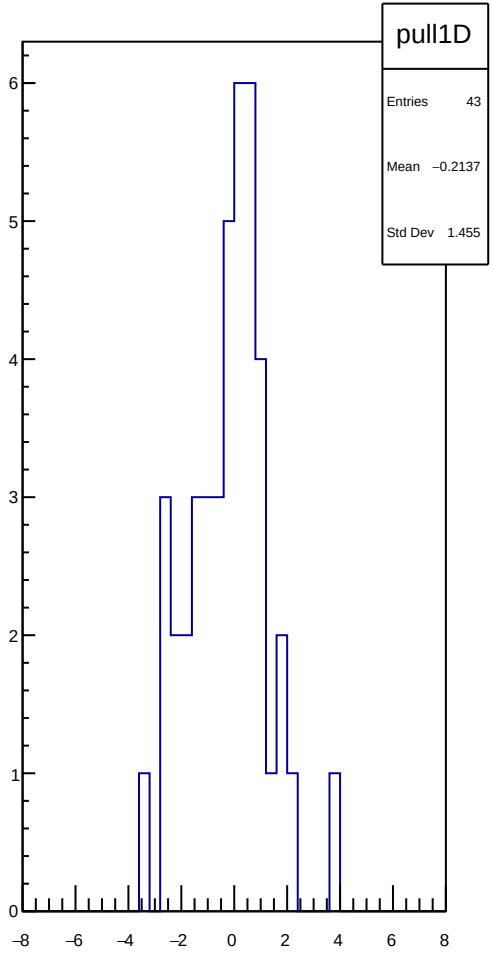

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 904.4 / 42
p0 −0.534 ± 0.02027
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 77.07
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 43
Mean −0.612
Std Dev 4.398
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

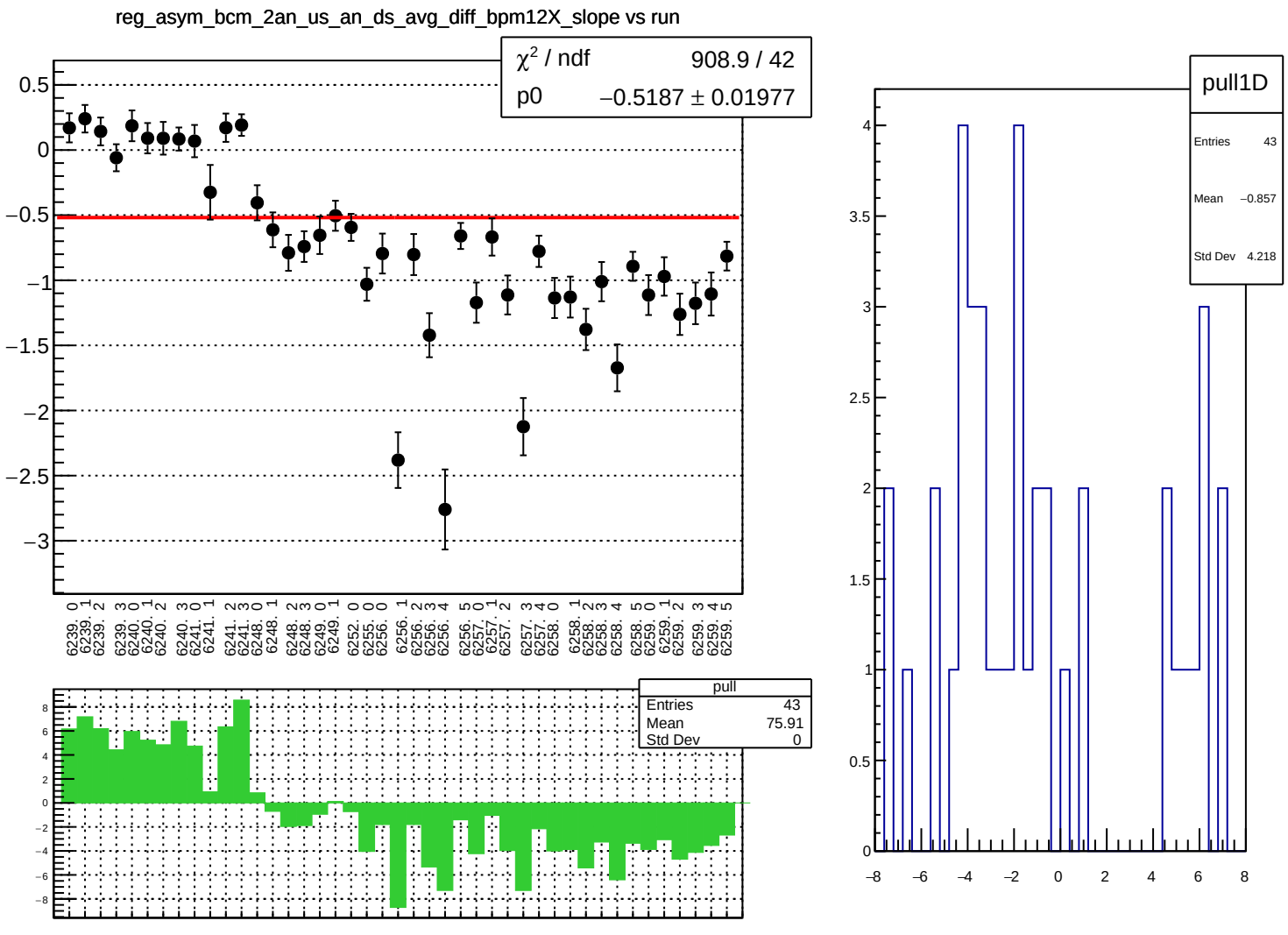

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 1802 / 42
p0 −10.33 ± 0.195
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 61.73
Std Dev 0
10
5
0
−5
−10
−15
pull1D
Entries 43
Mean −1.865
Std Dev 4.39
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

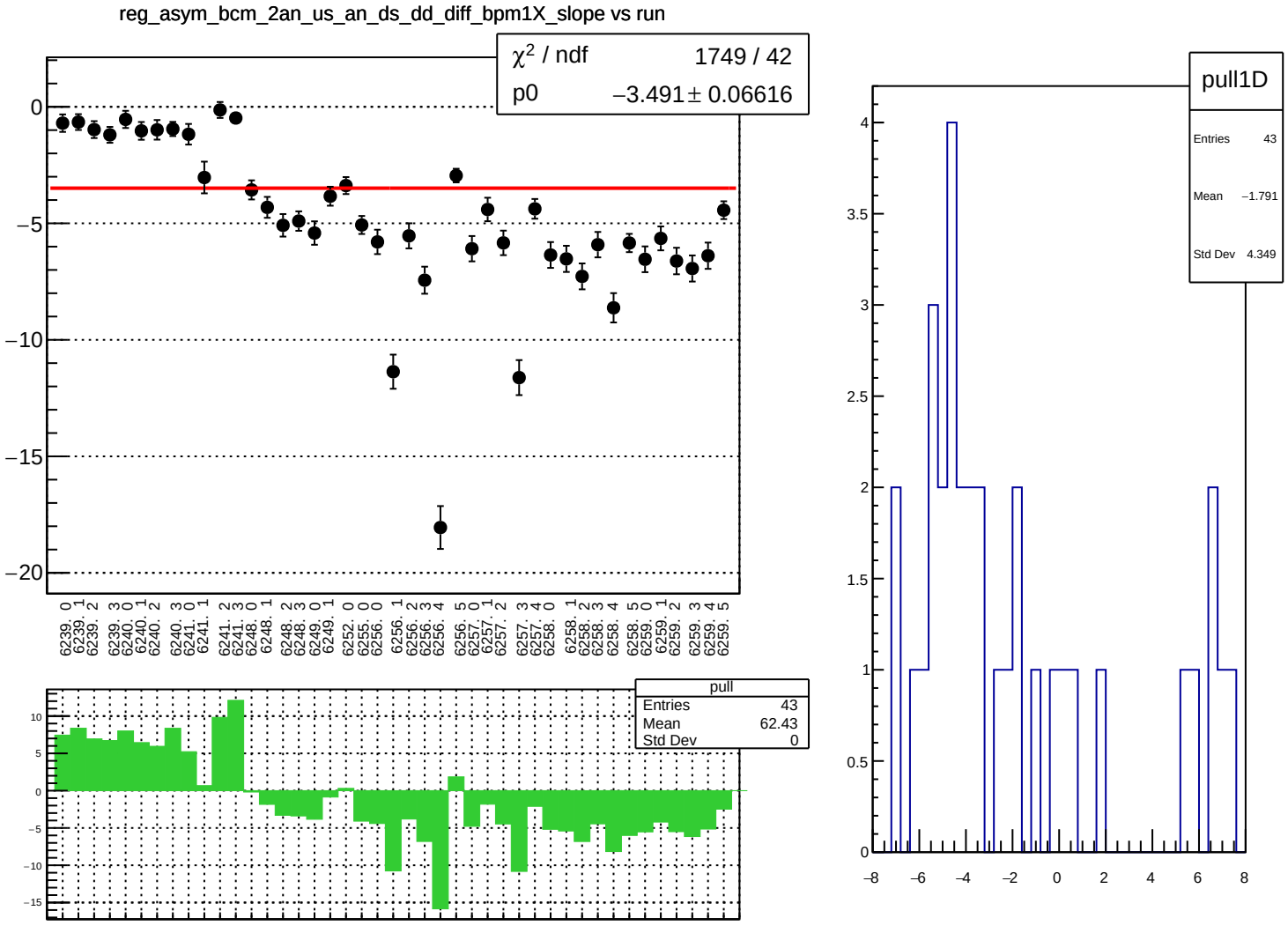

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.96 / 42
p0 2.207 ± 0.2297
pull
Entries 43
Mean 59.44
Std Dev 0
pull1D
Entries 43
Mean 0.1966
Std Dev 1.375

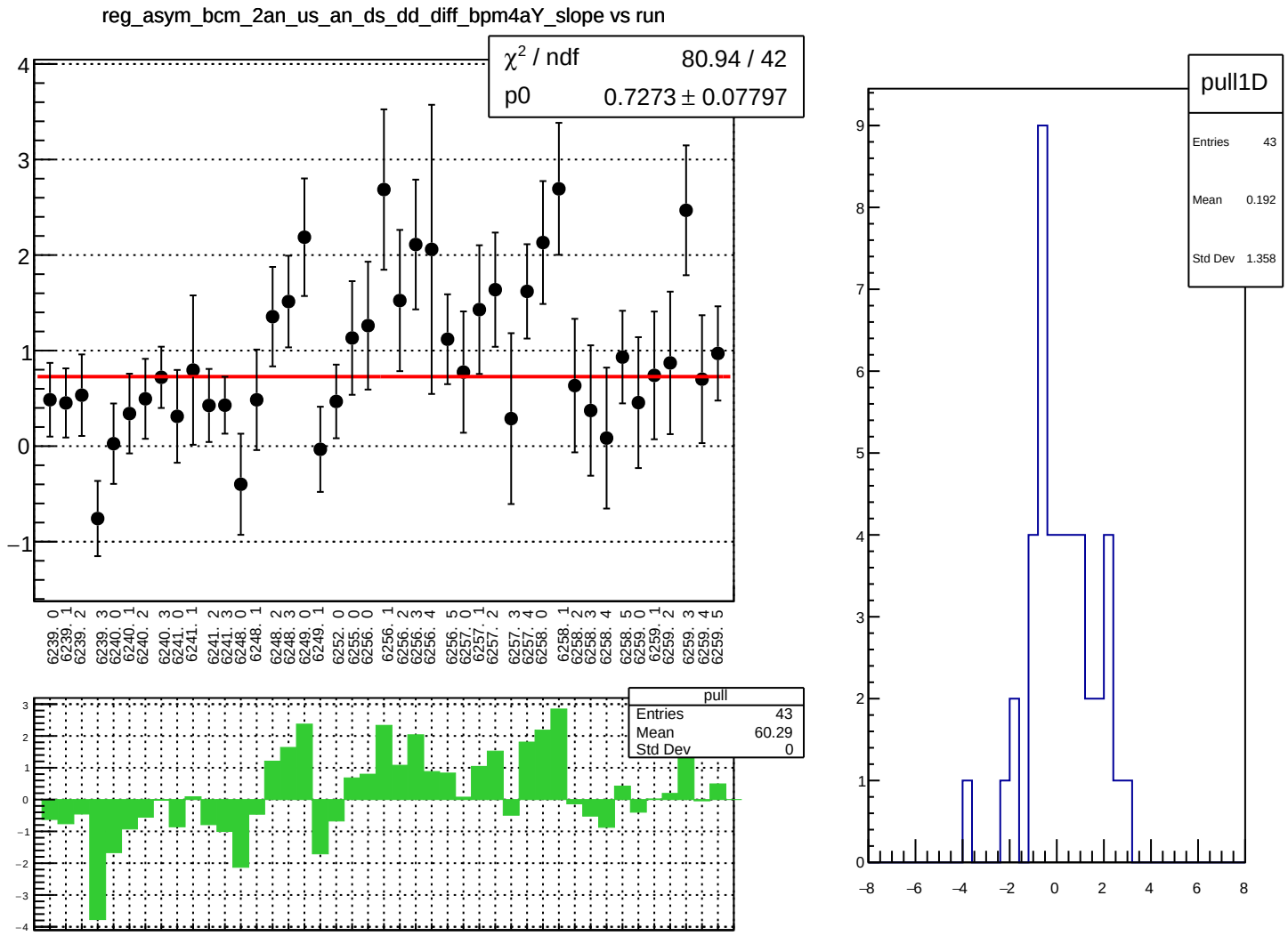

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 1771 / 42
p0 12.53 ± 0.2336
pull
Entries 43
Mean 58.86
Std Dev 0
pull1D
Entries 43
Mean 1.659
Std Dev 4.597

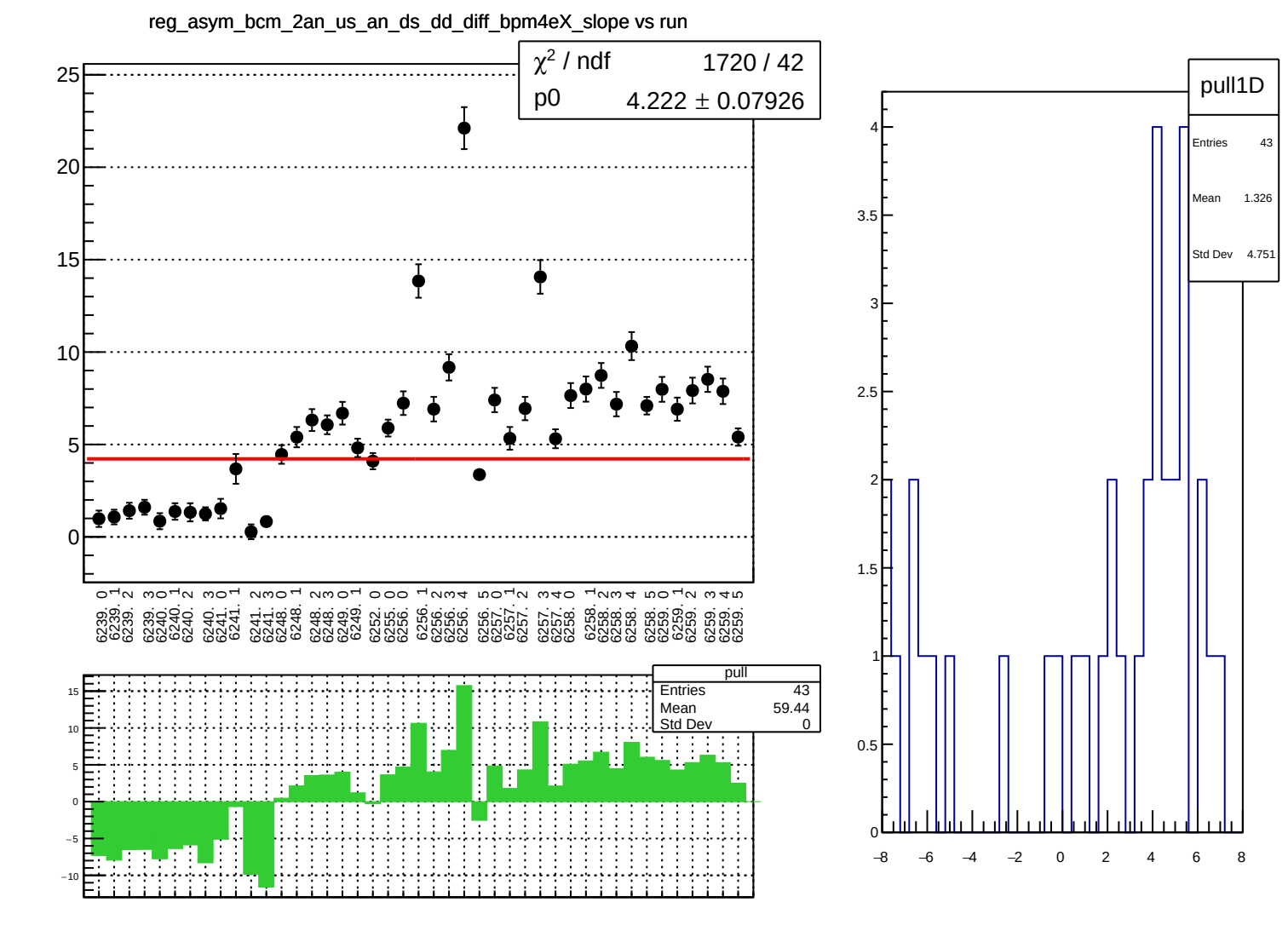

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 93.01 / 42
p0 −3.089 ± 0.2514
pull
Entries 43
Mean 56.83
Std Dev 0

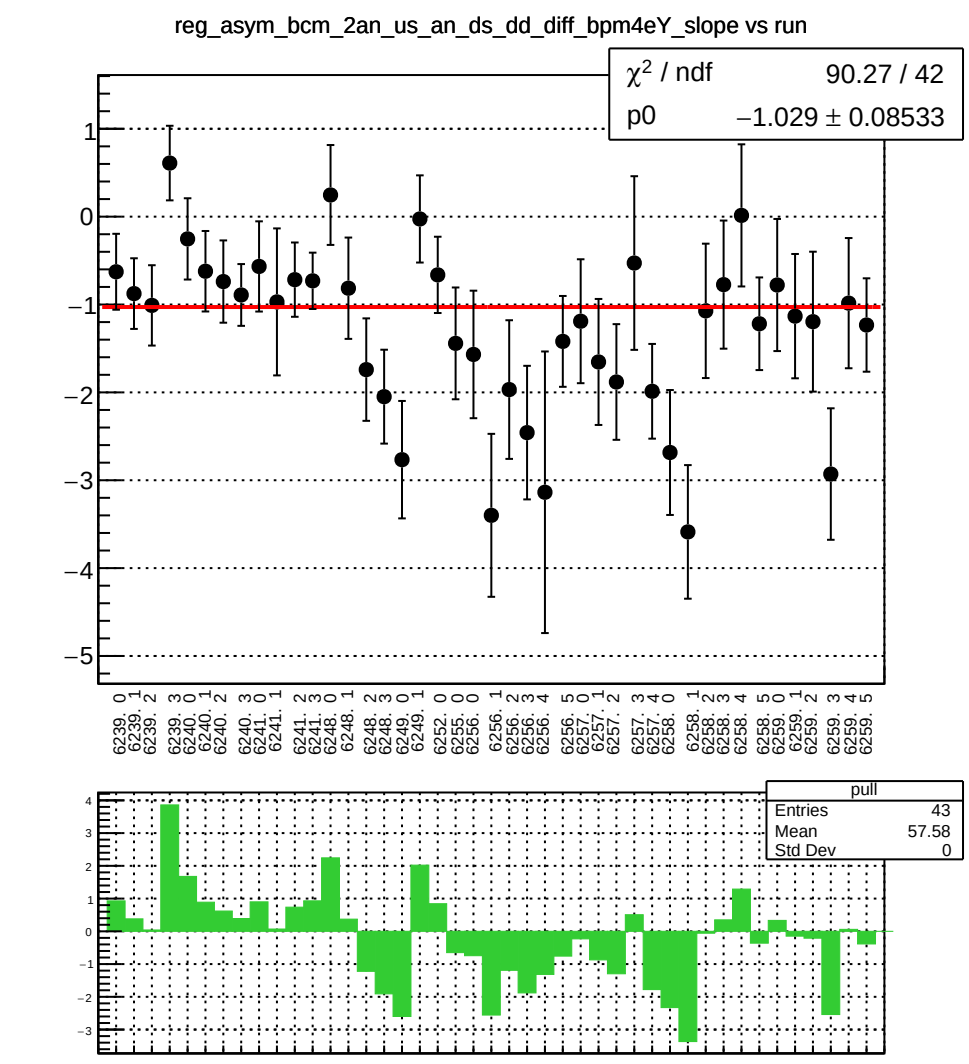

pull1D
Entries 43
Mean −0.2137
Std Dev 1.455

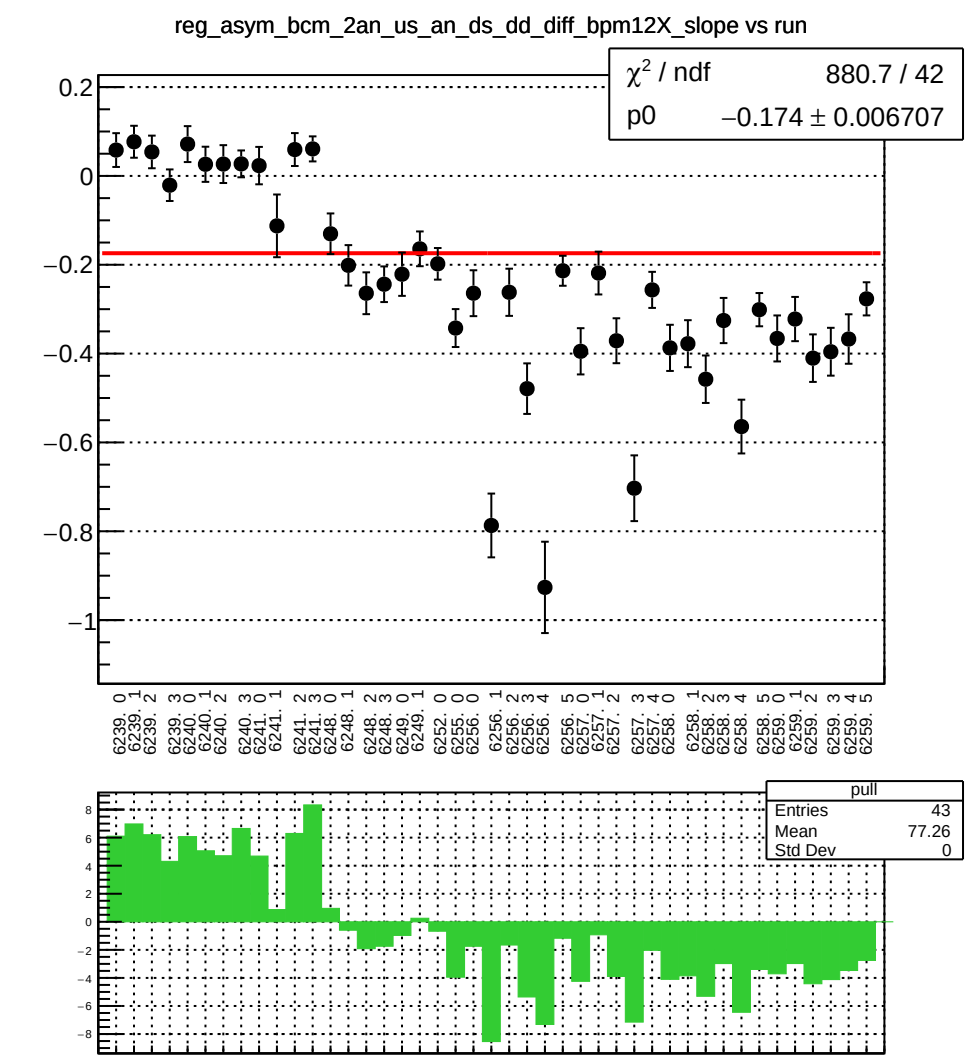

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 908.9 / 42
p0 −0.5187 ± 0.01977
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 75.91
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 43
Mean −0.857
Std Dev 4.218
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

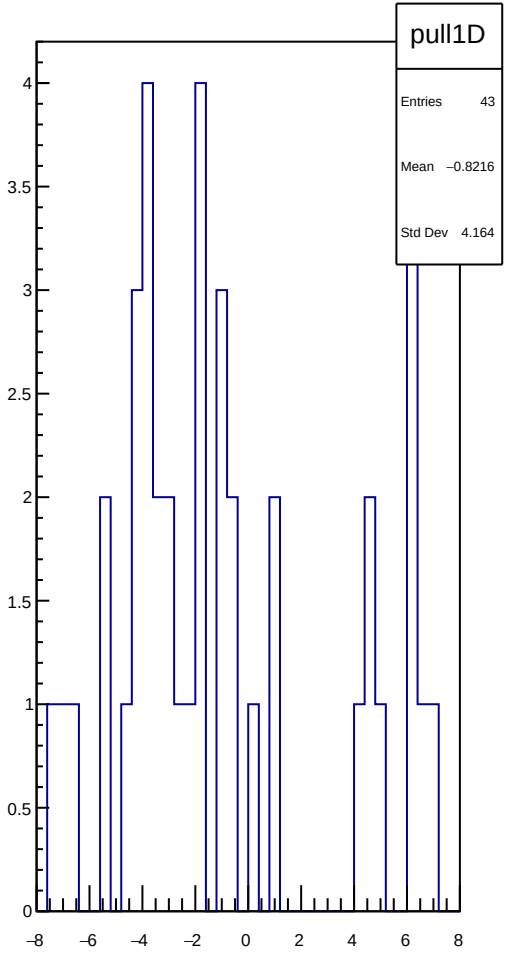

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 1749 / 42
p0 −3.491 ± 0.06616
0
−5
−10
−15
−20
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 62.43
Std Dev 0
10
5
0
−5
−10
−15
pull1D
Entries 43
Mean −1.791
Std Dev 4.349
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

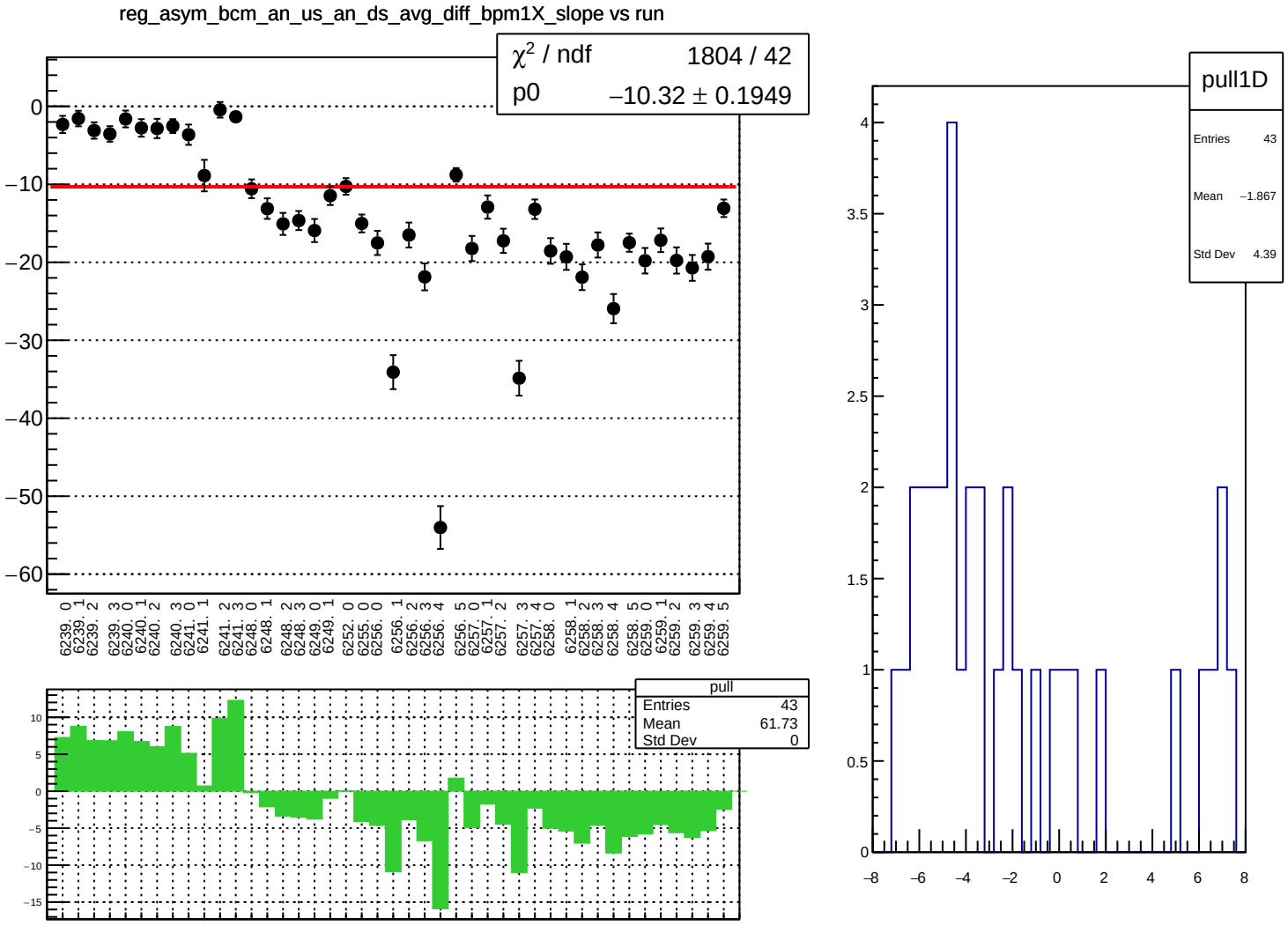

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.94 / 42
p0 0.7273 ± 0.07797
pull
Entries 43
Mean 60.29
Std Dev 0
pull1D
Entries 43
Mean 0.192
Std Dev 1.358

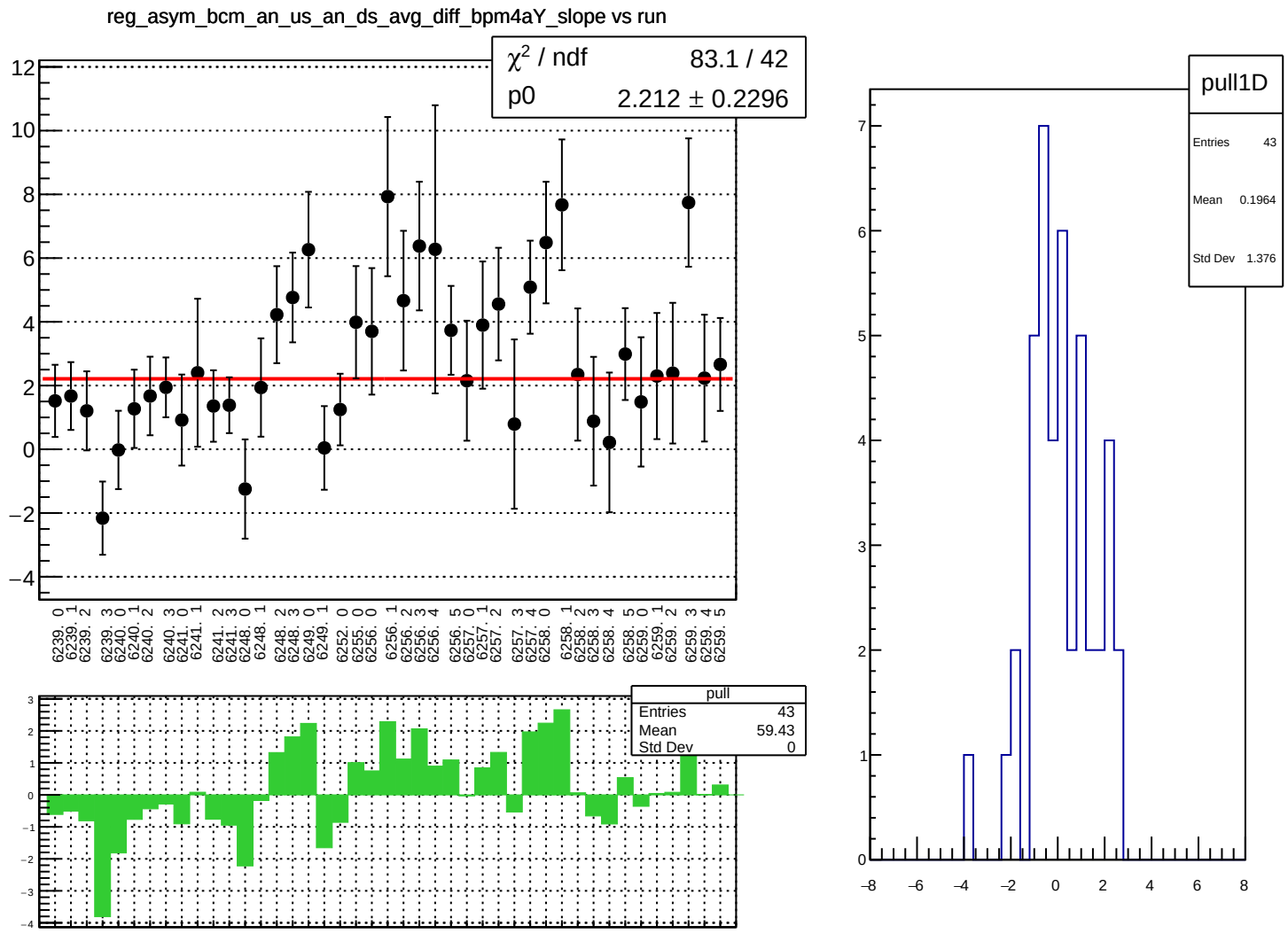

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 1720 / 42
p0 4.222 ± 0.07926
pull
Entries 43
Mean 59.44
Std Dev 0
pull1D
Entries 43
Mean 1.326
Std Dev 4.751

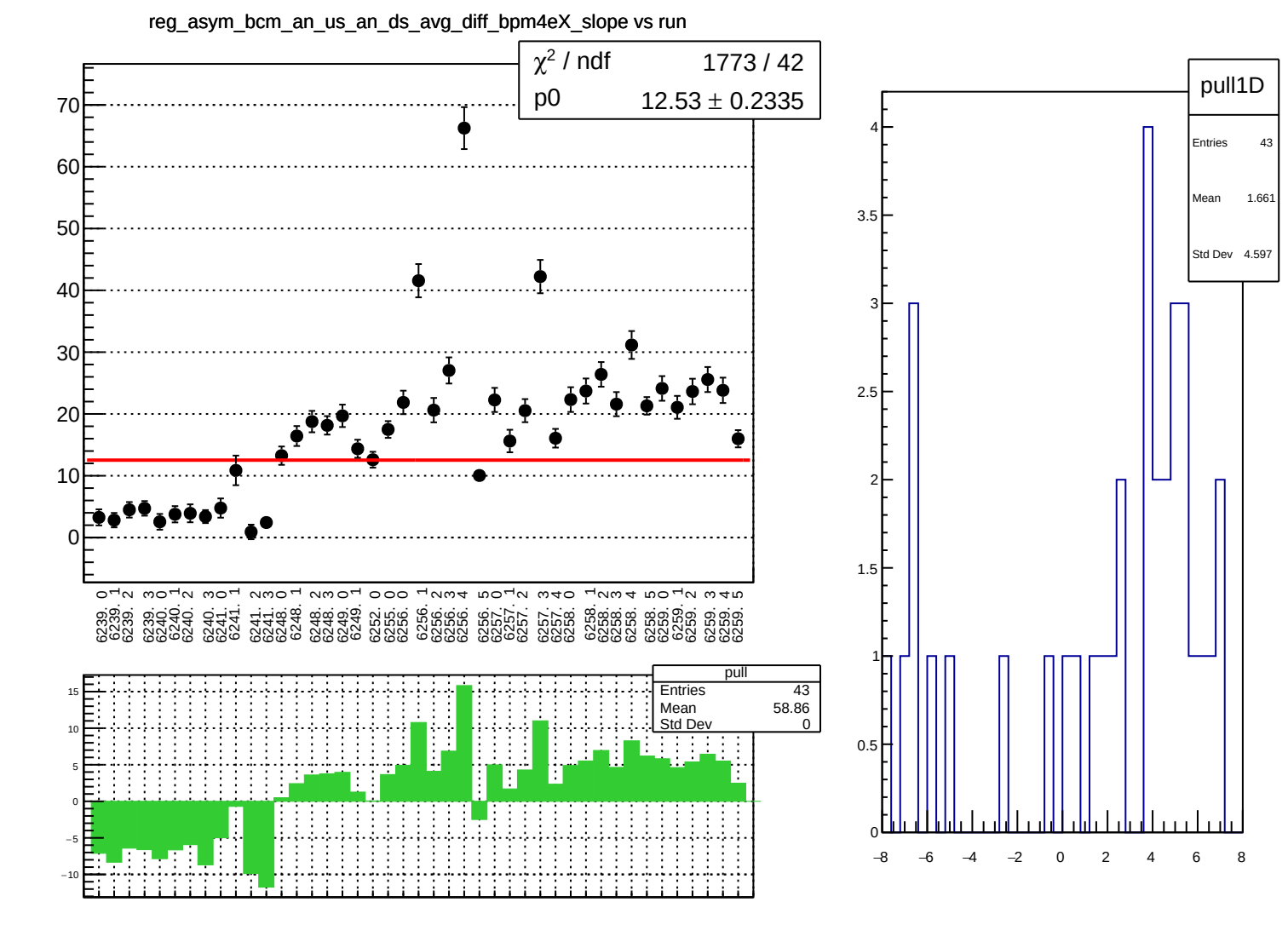

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.27 / 42
p0 −1.029 ± 0.08533
pull
Entries 43
Mean 57.58
Std Dev 0
pull1D
Entries 43
Mean −0.2081
Std Dev 1.434

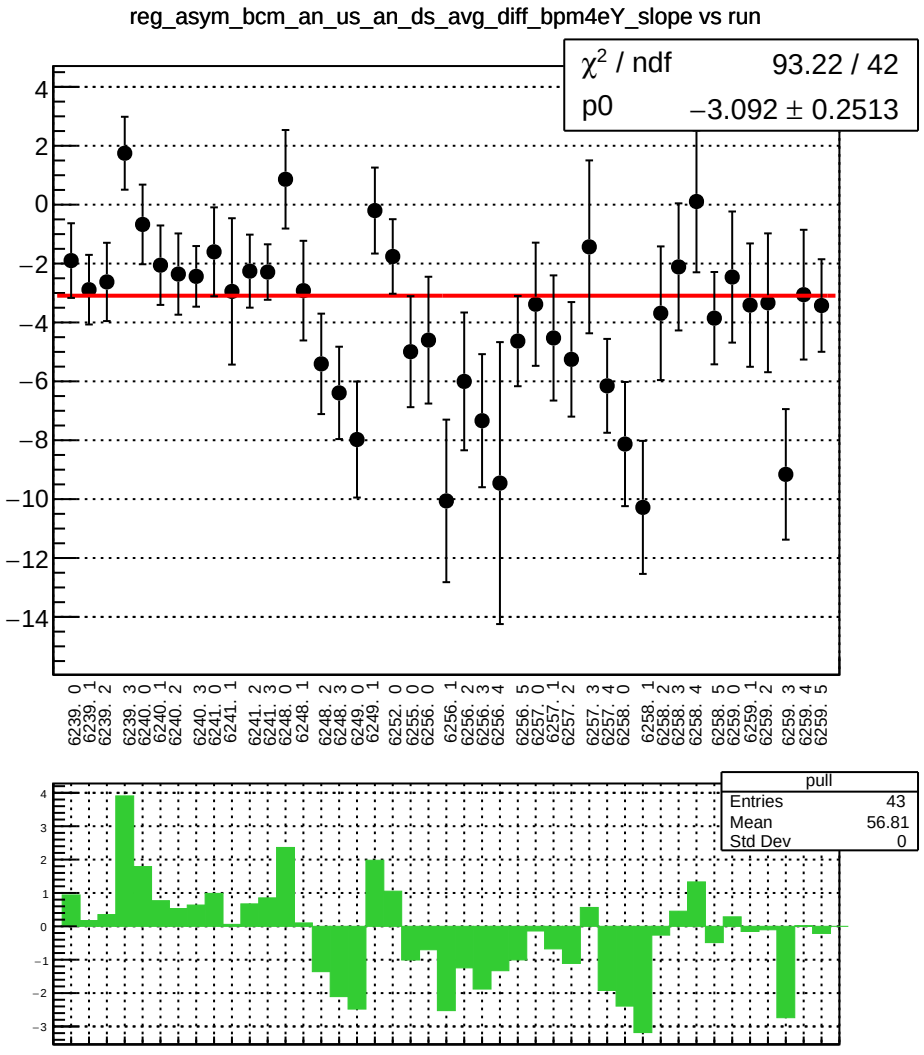

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 880.7 / 42
p0 −0.174 ± 0.006707
pull
Entries 43
Mean 77.26
Std Dev 0

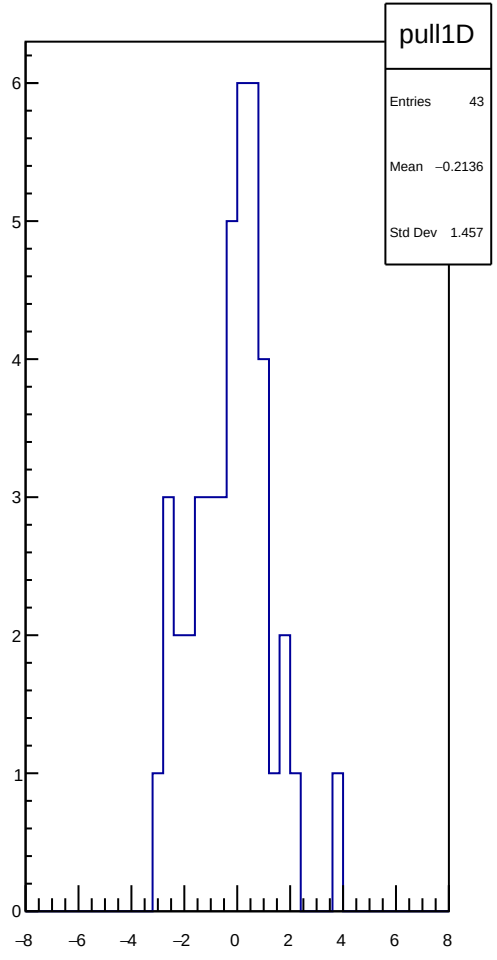

pull1D
Entries 43
Mean −0.8216
Std Dev 4.164

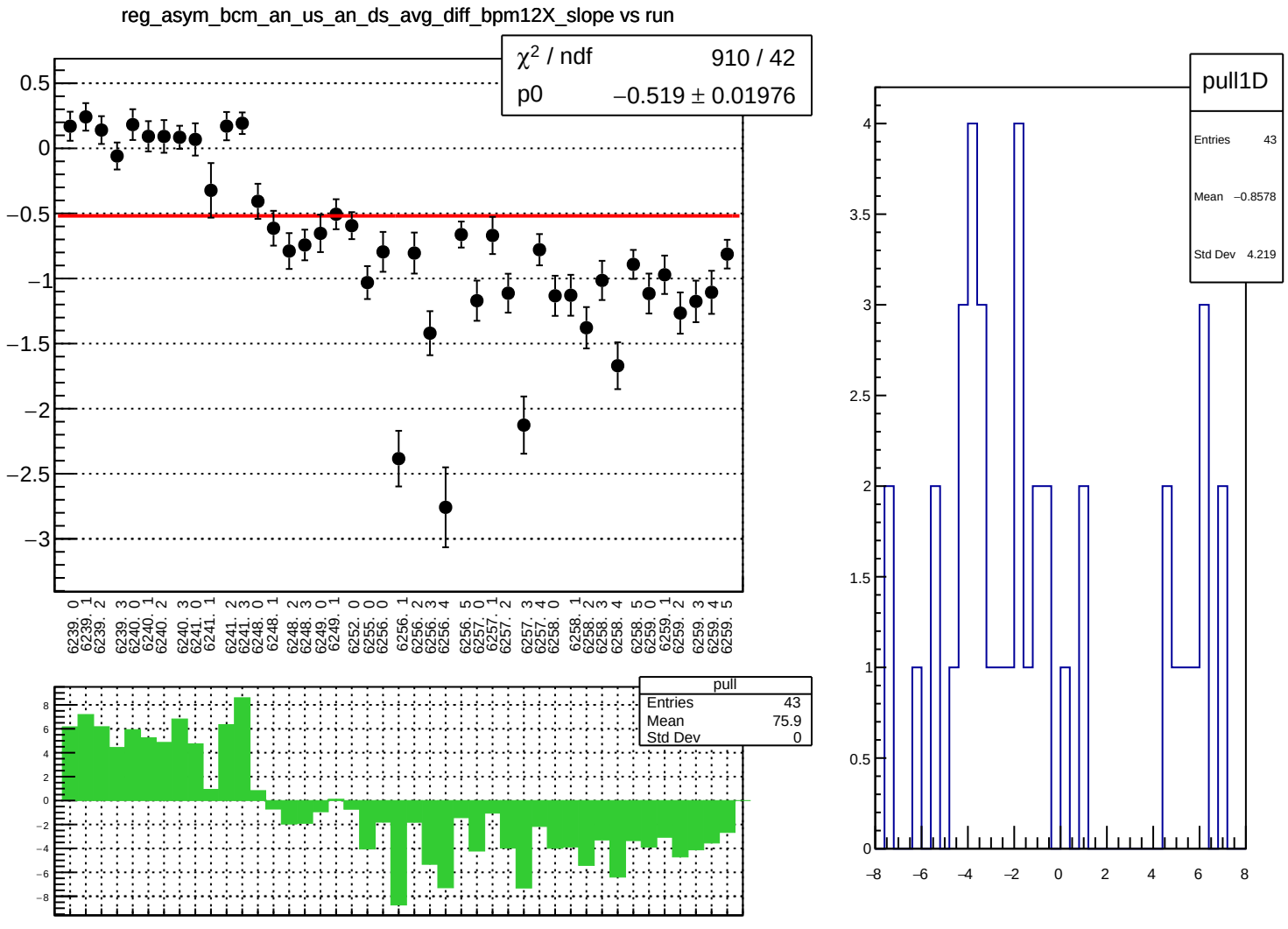

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 1804 / 42
p0 −10.32 ± 0.1949
0
−10
−20
−30
−40
−50
−60
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 61.73
Std Dev 0
10
5
0
−5
−10
−15
pull1D
Entries 43
Mean −1.867
Std Dev 4.39
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

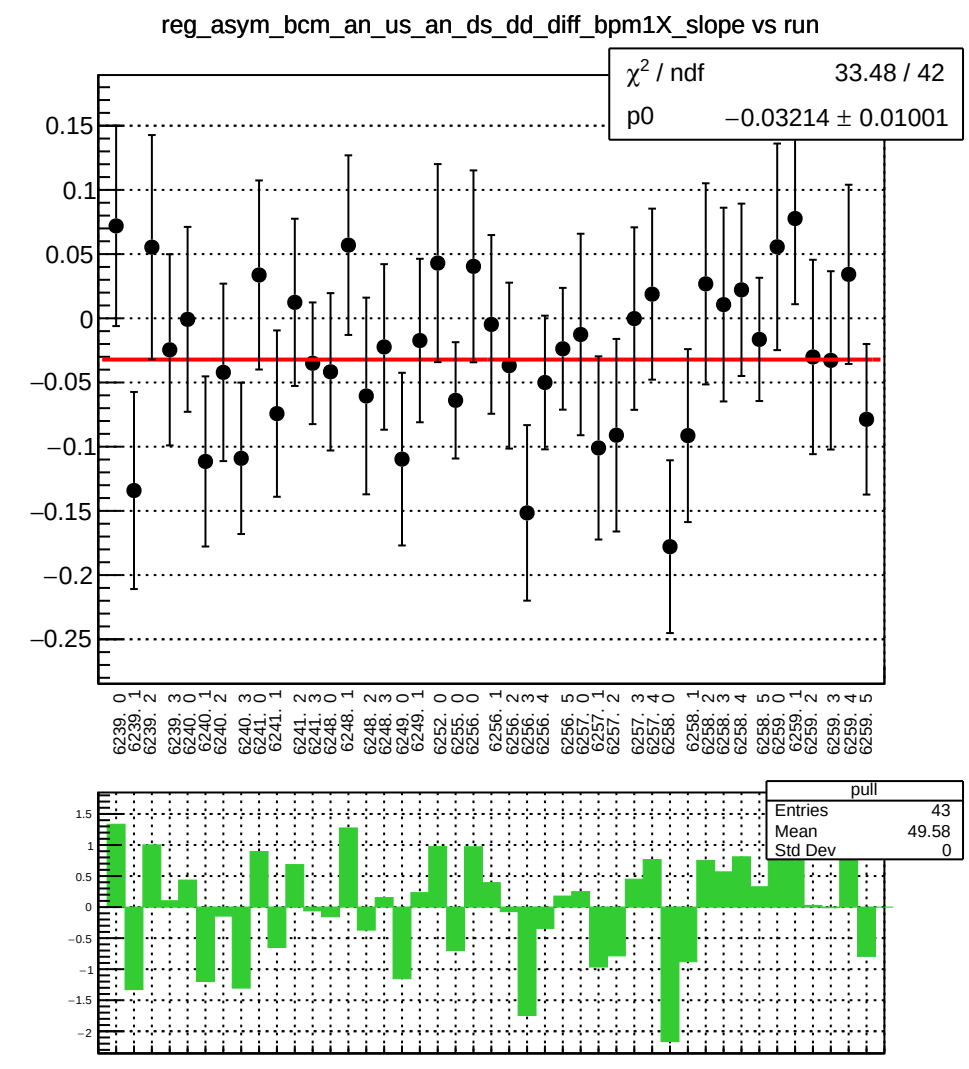

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 83.1 / 42
p0 2.212 ± 0.2296
pull
Entries 43
Mean 59.43
Std Dev 0
pull1D
Entries 43
Mean 0.1964
Std Dev 1.376

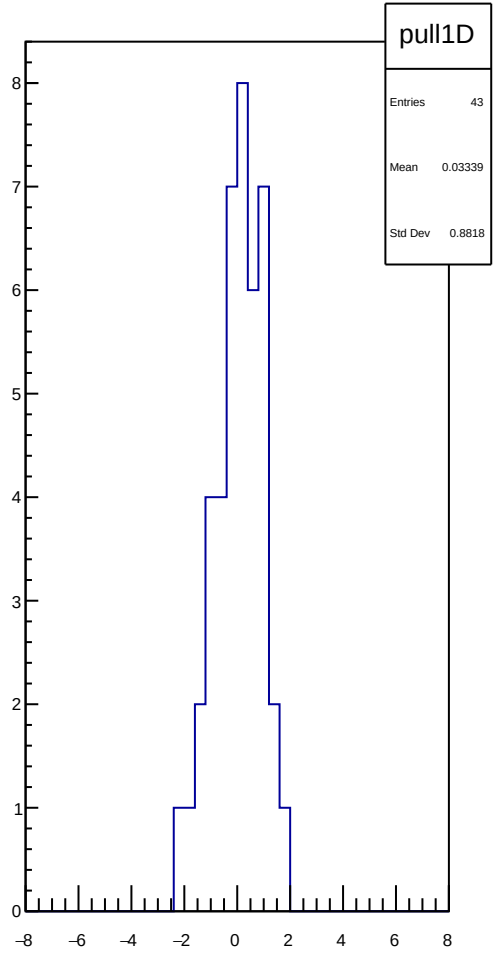

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 1773 / 42
p0 12.53 ± 0.2335
pull
Entries 43
Mean 58.86
Std Dev 0
pull1D
Entries 43
Mean 1.661
Std Dev 4.597

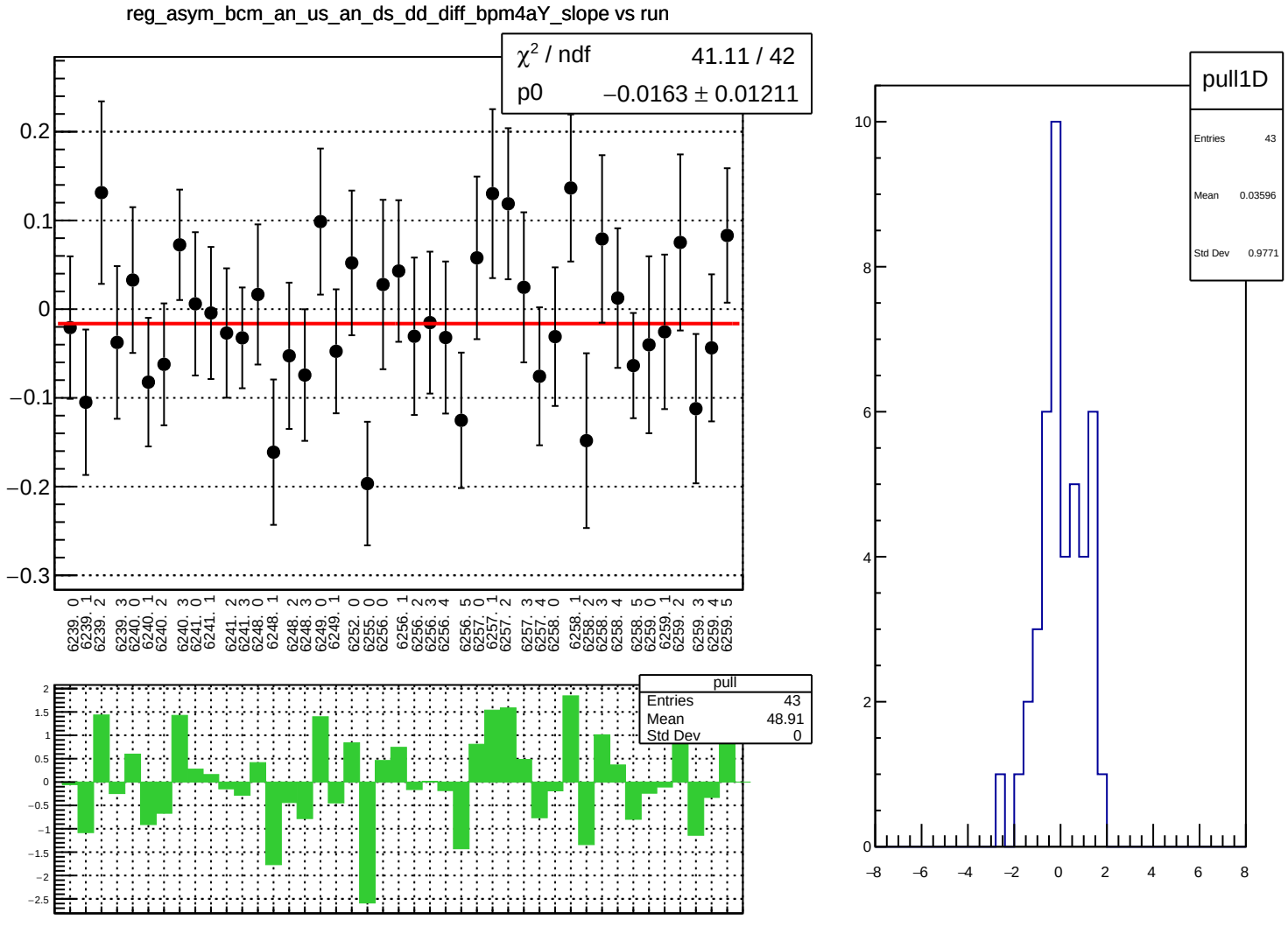

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 93.22 / 42
p0 −3.092 ± 0.2513
pull
Entries 43
Mean 56.81
Std Dev 0

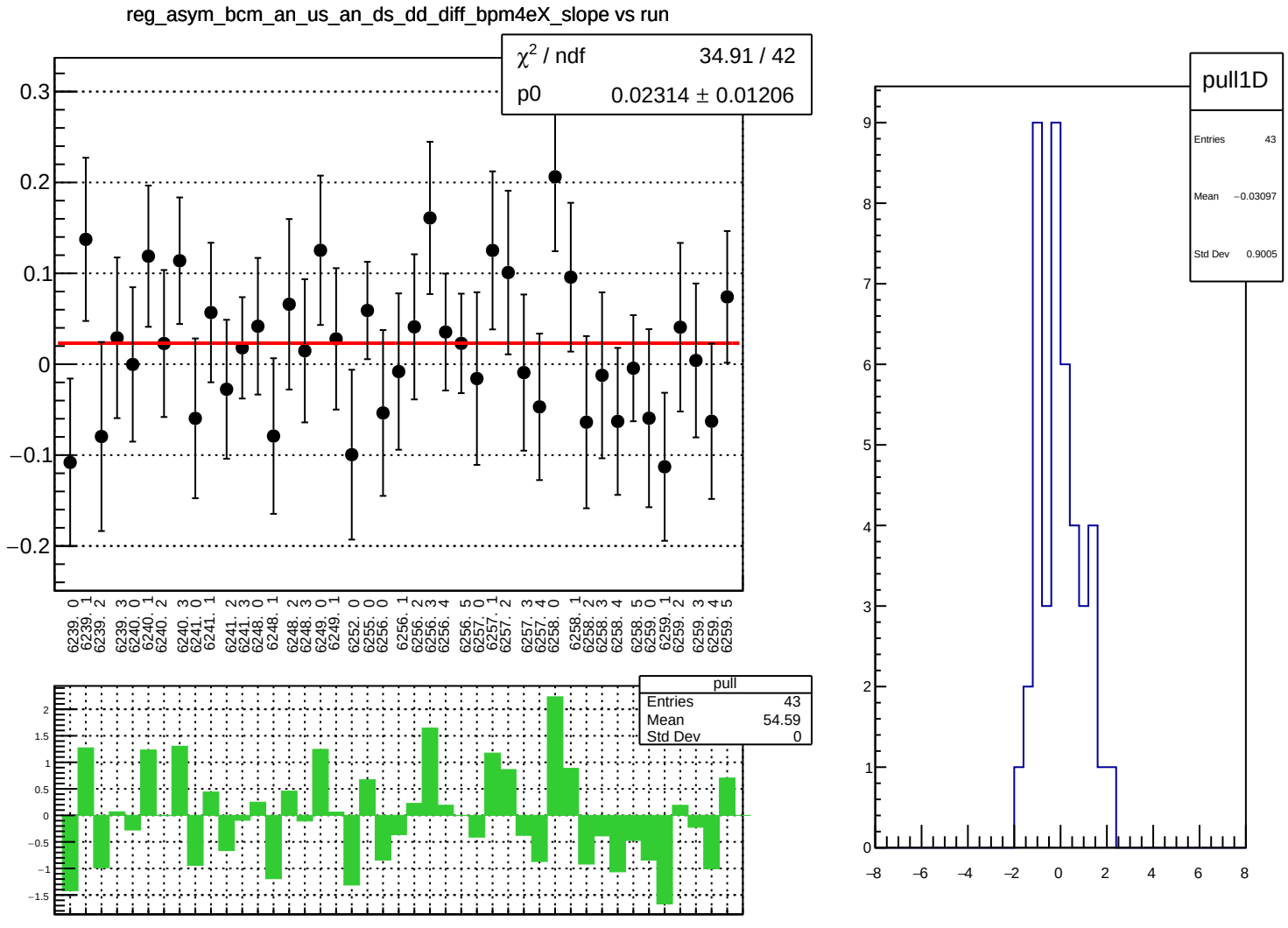

pull1D
Entries 43
Mean −0.2136
Std Dev 1.457

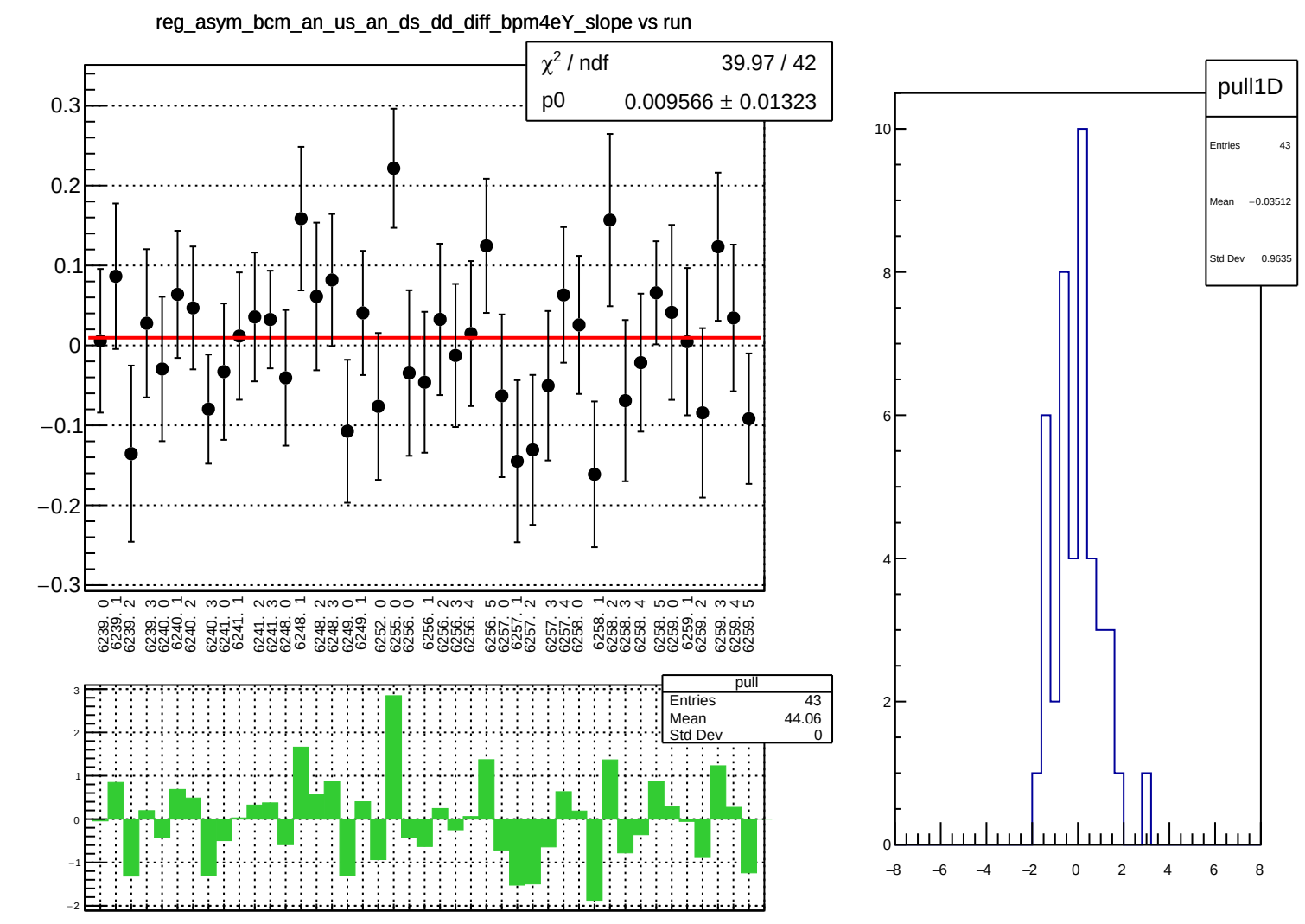

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 910 / 42
p0 −0.519 ± 0.01976
pull
Entries 43
Mean 75.9
Std Dev 0
pull1D
Entries 43
Mean −0.8578
Std Dev 4.219

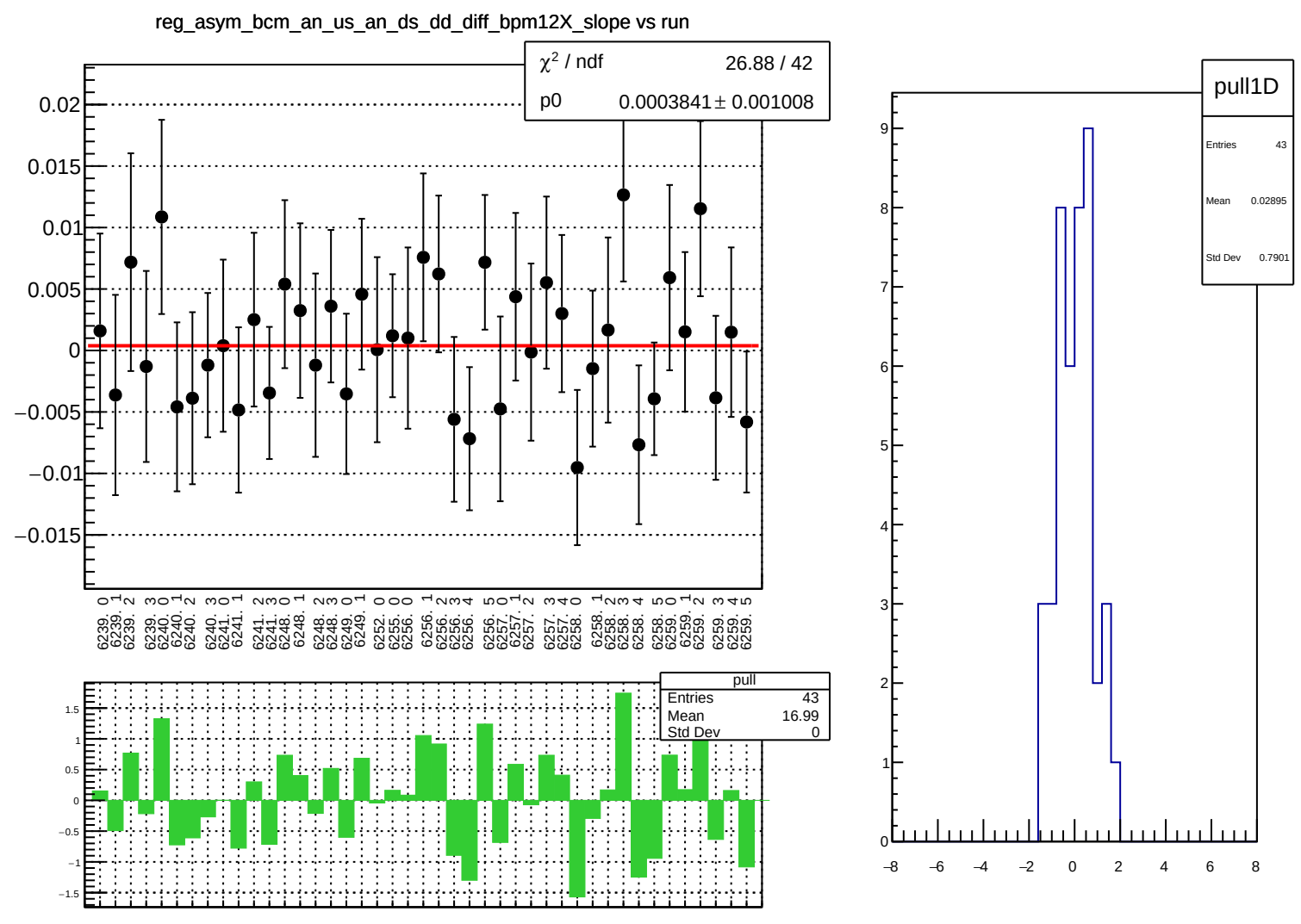

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 33.48 / 42
p0 −0.03214 ± 0.01001
pull
Entries 43
Mean 49.58
Std Dev 0

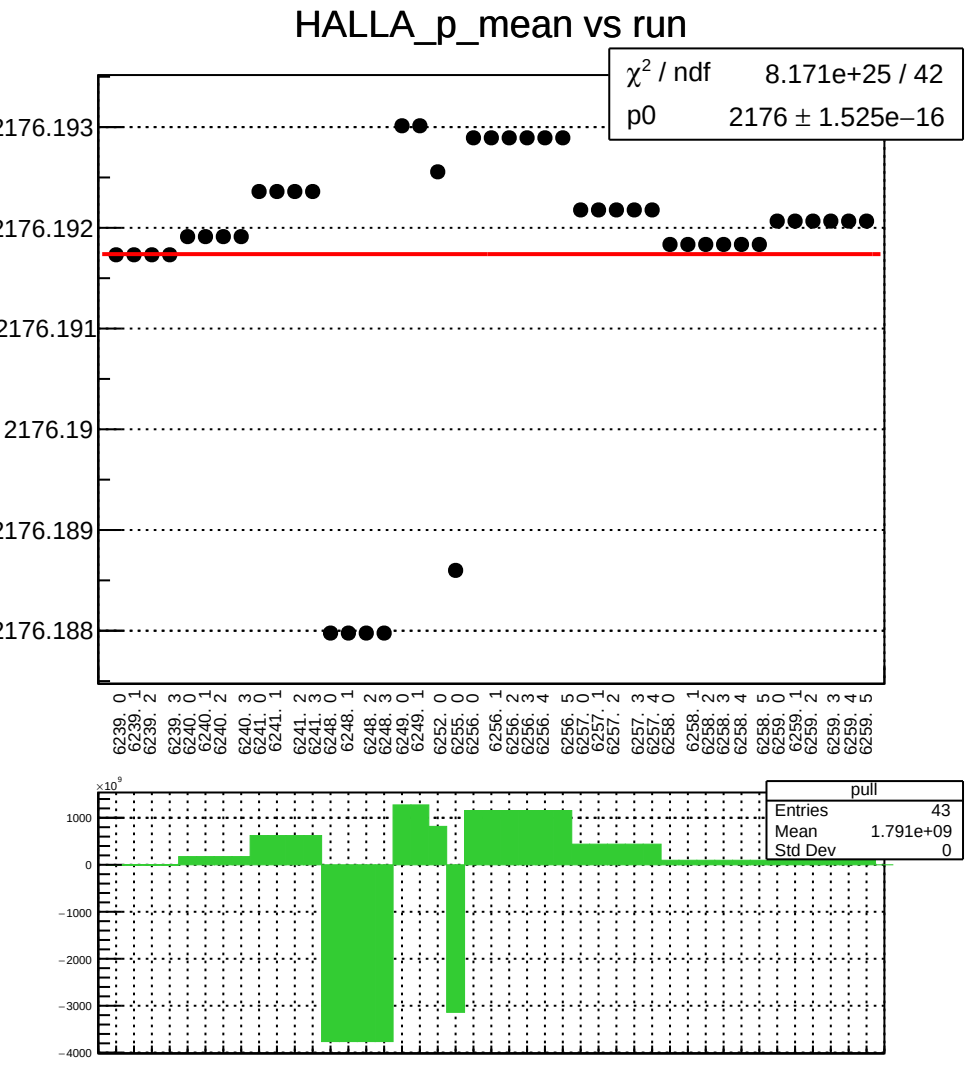

pull1D
Entries 43
Mean 0.03339
Std Dev 0.8818

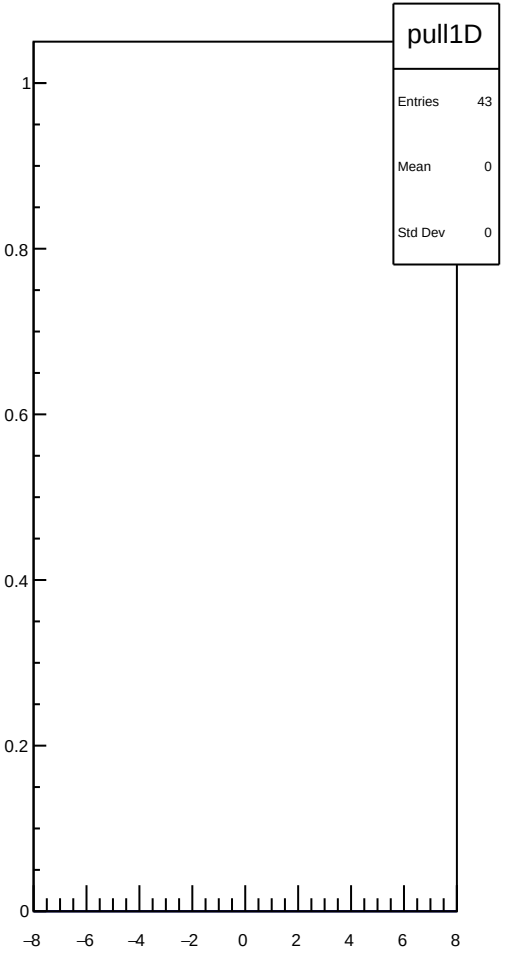

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.11 / 42
p0 −0.0163 ± 0.01211
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 48.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 43
Mean 0.03596
Std Dev 0.9771
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

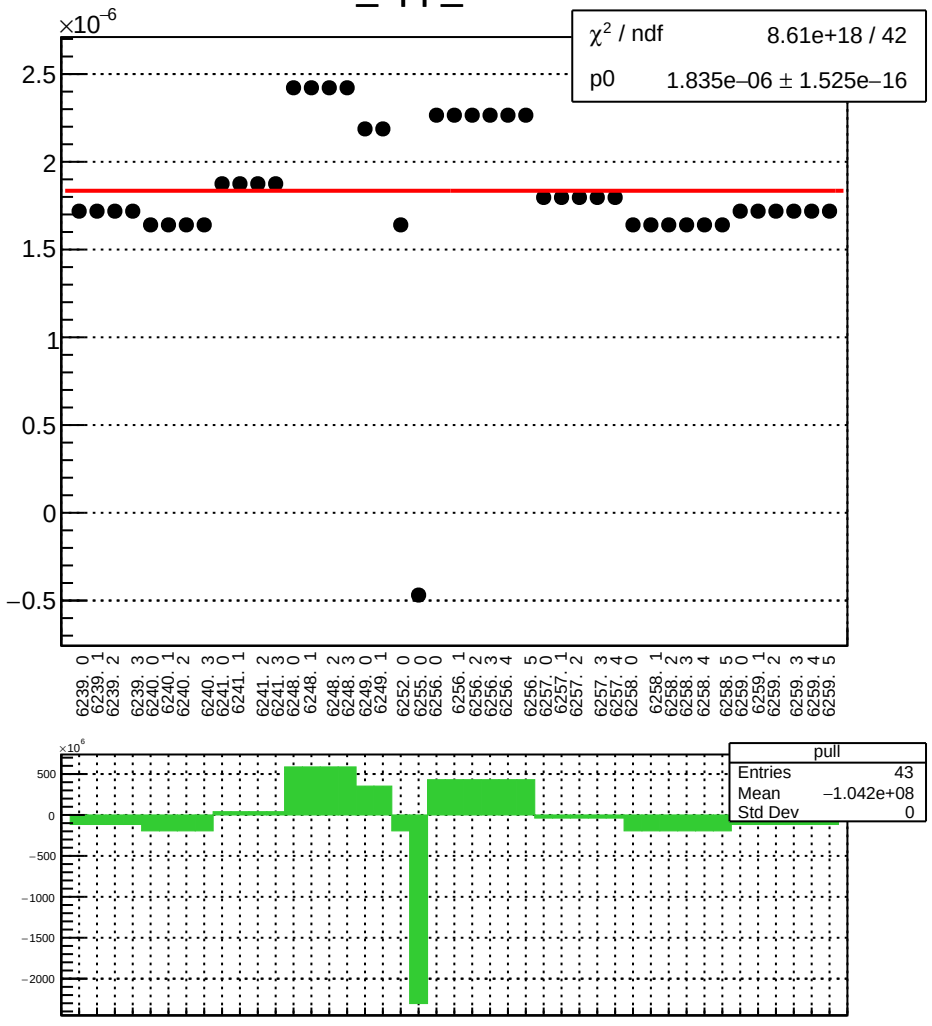

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.91 / 42
p0 0.02314 ± 0.01206
0.3
0.2
0.1
0
−0.1
−0.2
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 54.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean −0.03097
Std Dev 0.9005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

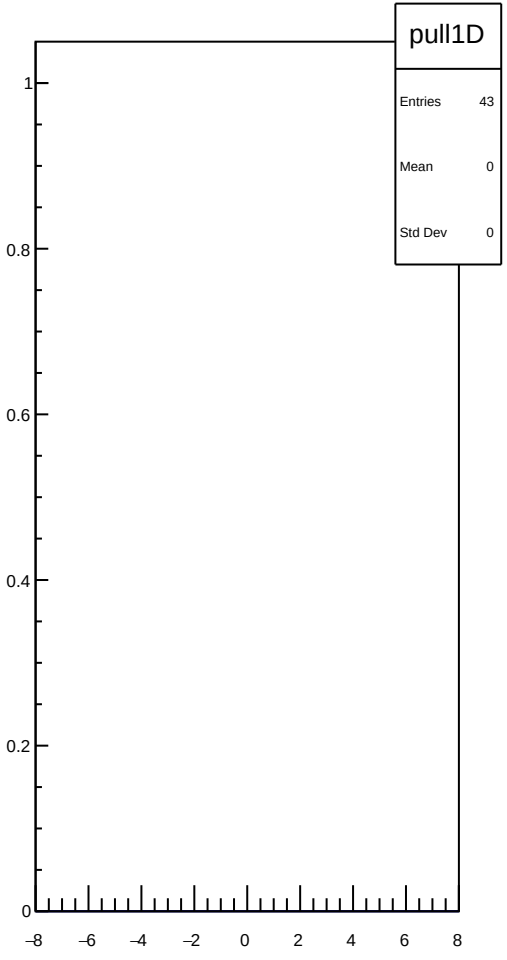

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.97 / 42
p0 0.009566 ± 0.01323
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 44.06
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 43
Mean −0.03512
Std Dev 0.9635
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

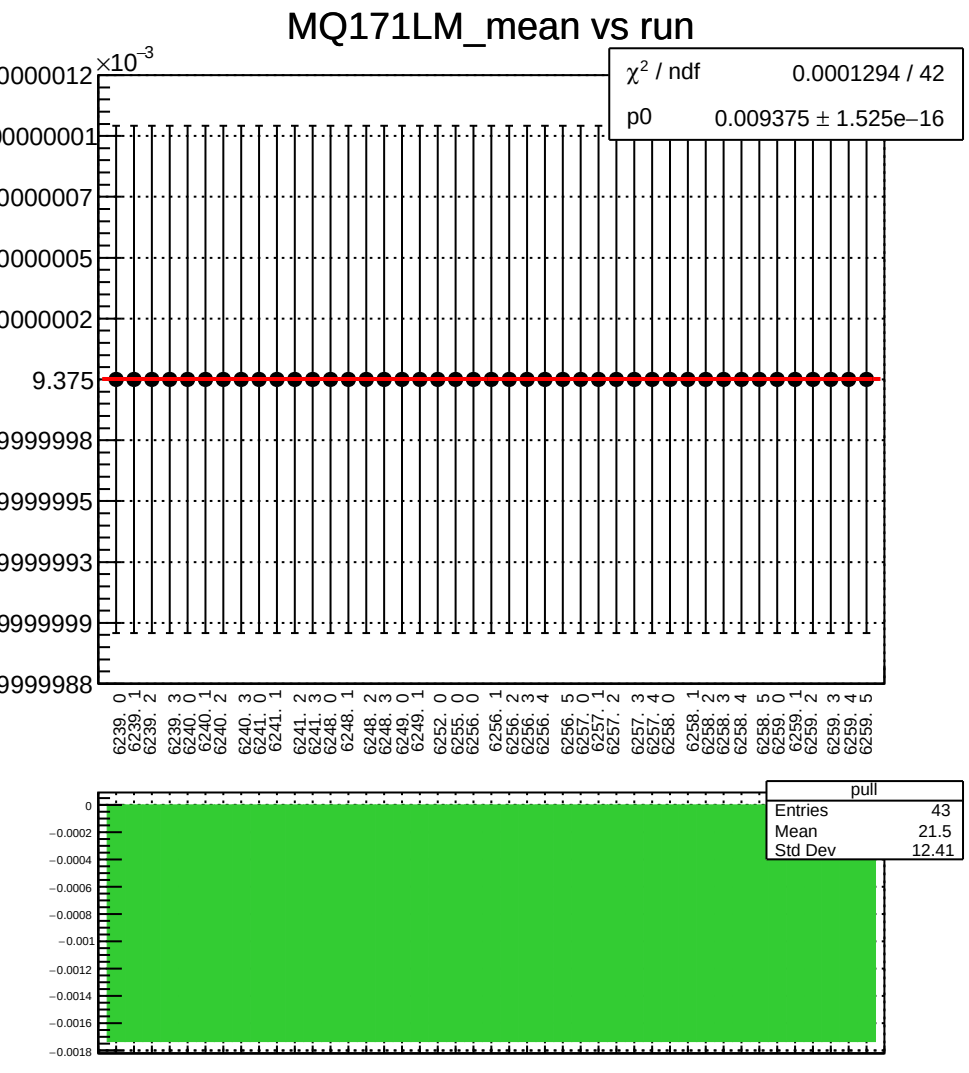

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 26.88 / 42
p0 0.0003841 ± 0.001008
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 16.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 43
Mean 0.02895
Std Dev 0.7901
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

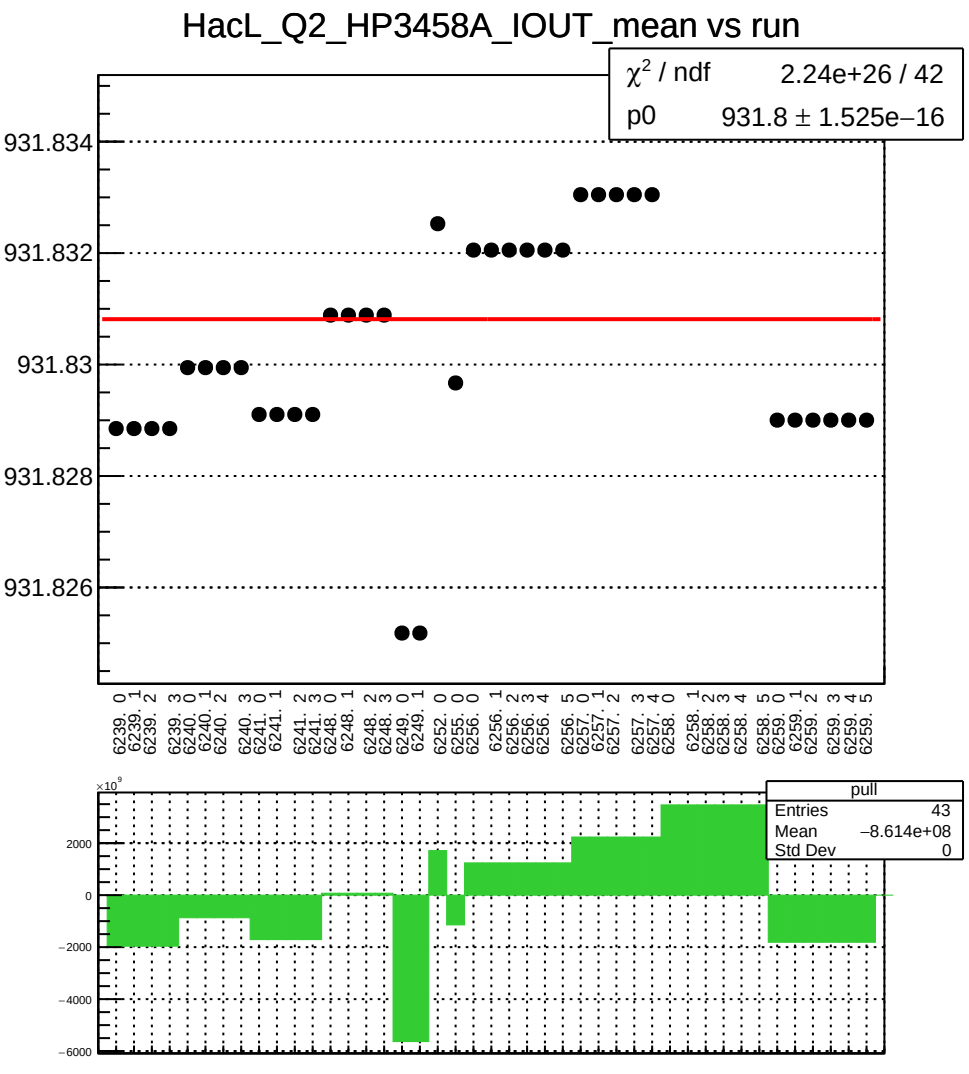

HALLA_p_mean vs run
χ² / ndf 8.171e+25 / 42
p0 2176 ± 1.525e−16
2176.193
2176.192
2176.191
2176.19
2176.189
2176.188
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10⁹
1000
0
−1000
−2000
−3000
−4000
pull
Entries 43
Mean 1.791e+09
Std Dev 0

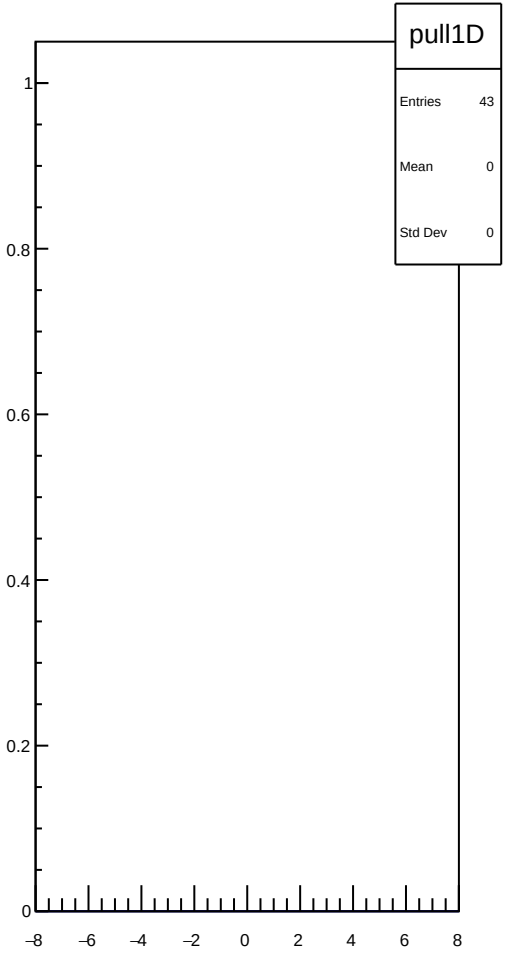

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

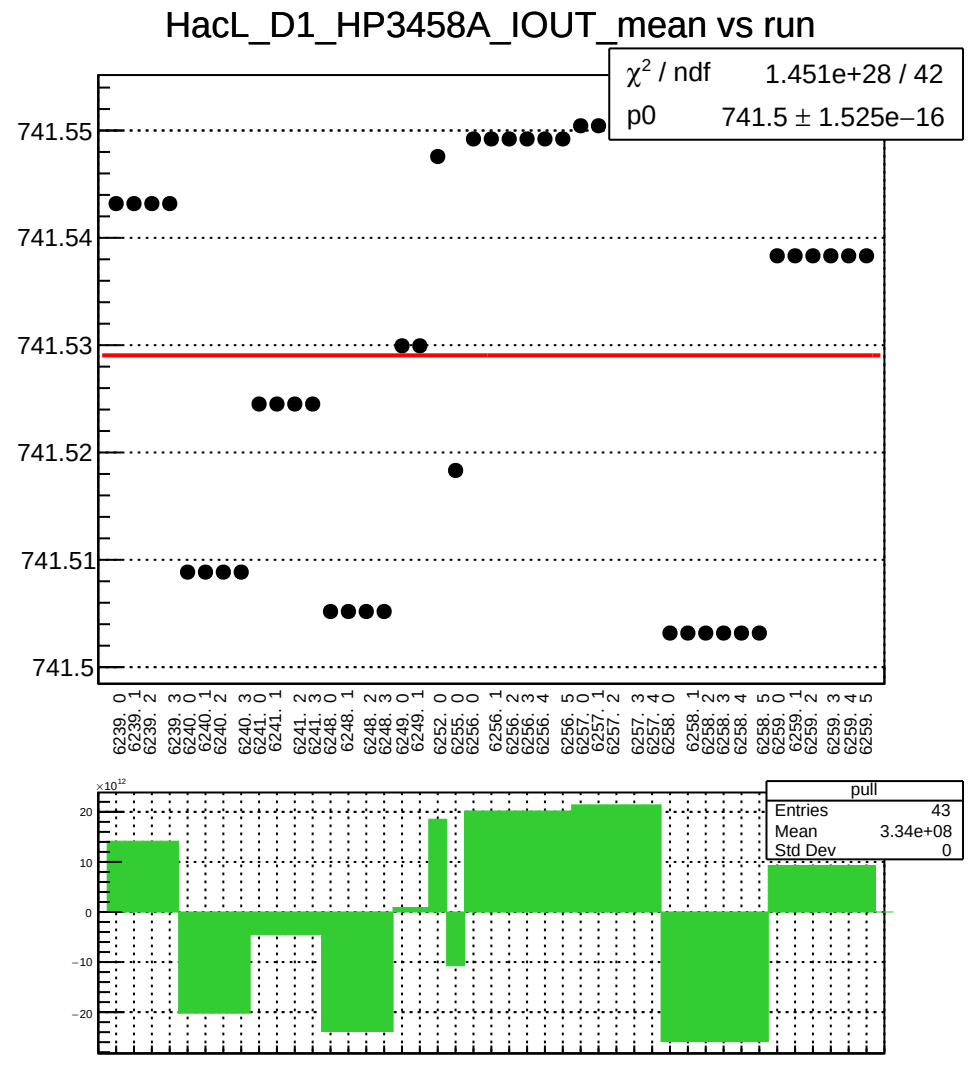

HALLA_dpp_mean vs run
χ² / ndf 8.61e+18 / 42
p0 1.835e−06 ± 1.525e−16
×10⁻⁶
2.5
2
1.5
1
0.5
0
−0.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10⁶
500
0
−500
−1000
−1500
−2000
pull
Entries 43
Mean −1.042e+08
Std Dev 0

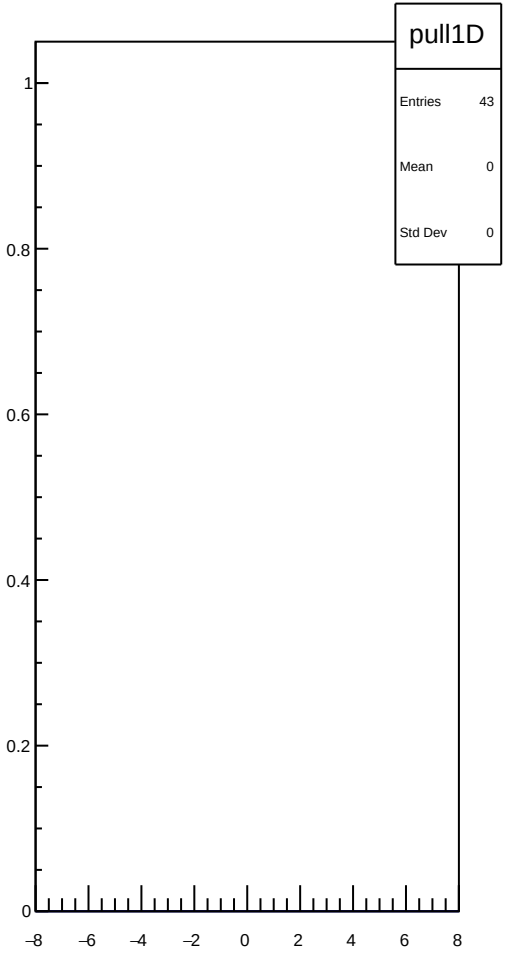

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

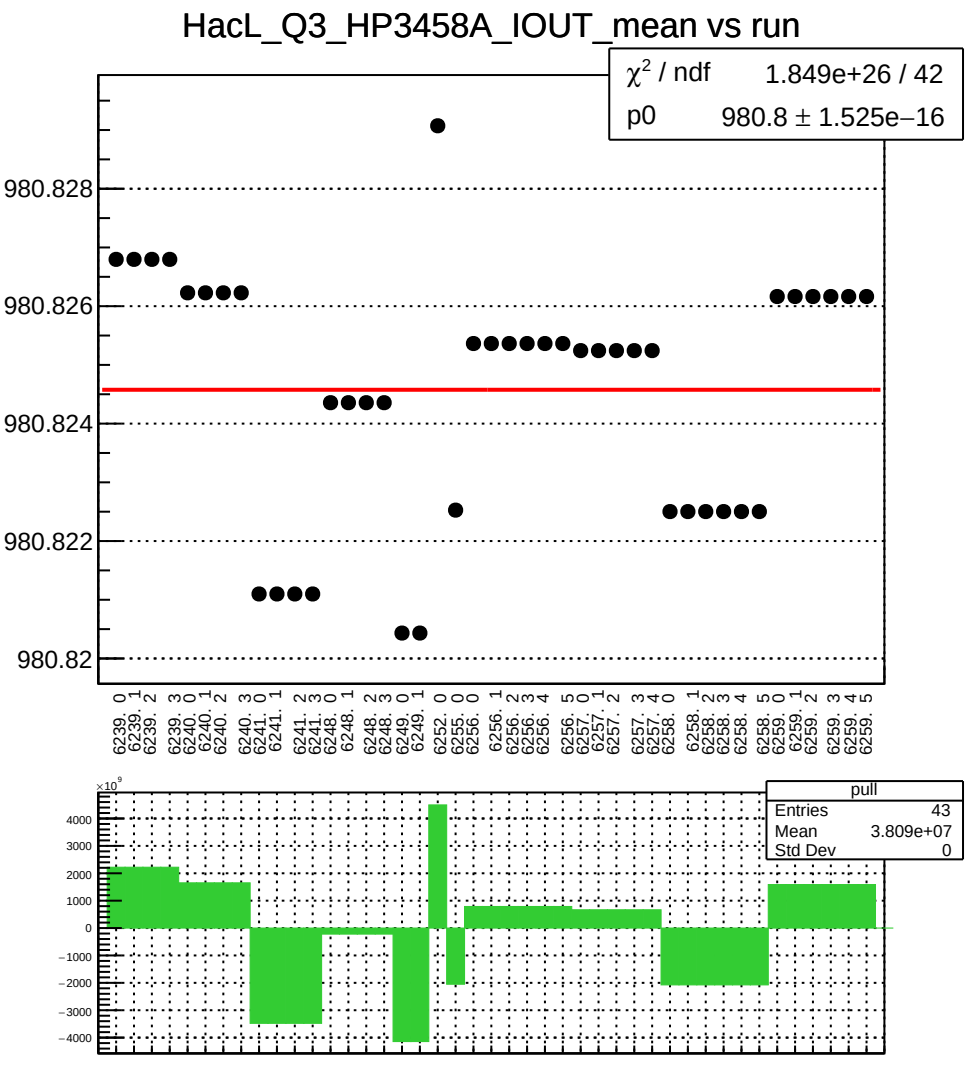

MQ171LM_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
−0.0016
−0.0018
pull1D
Entries 43
Mean −0.001735
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

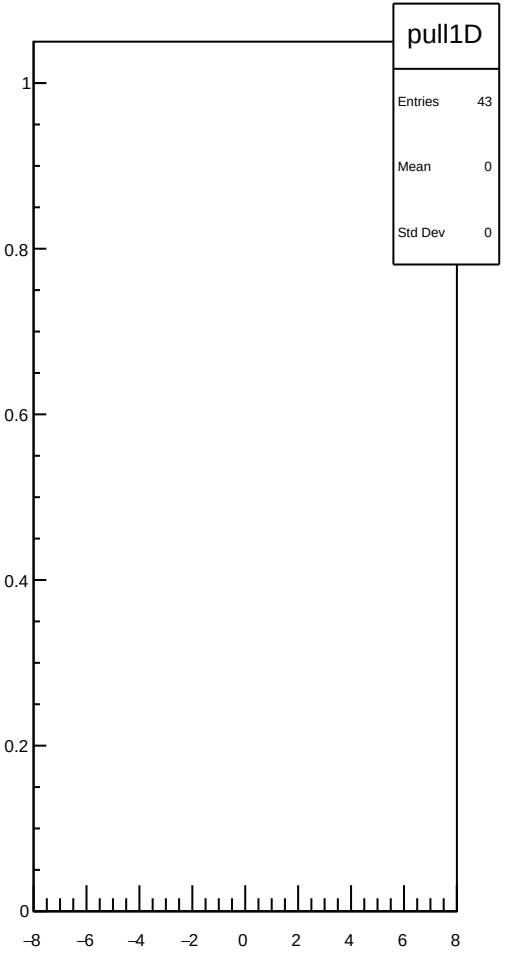

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.24e+26 / 42
p0 931.8 ± 1.525e−16
931.834
931.832
931.83
931.828
931.826
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10⁹
2000
0
−2000
−4000
−6000
pull
Entries 43
Mean −8.614e+08
Std Dev 0

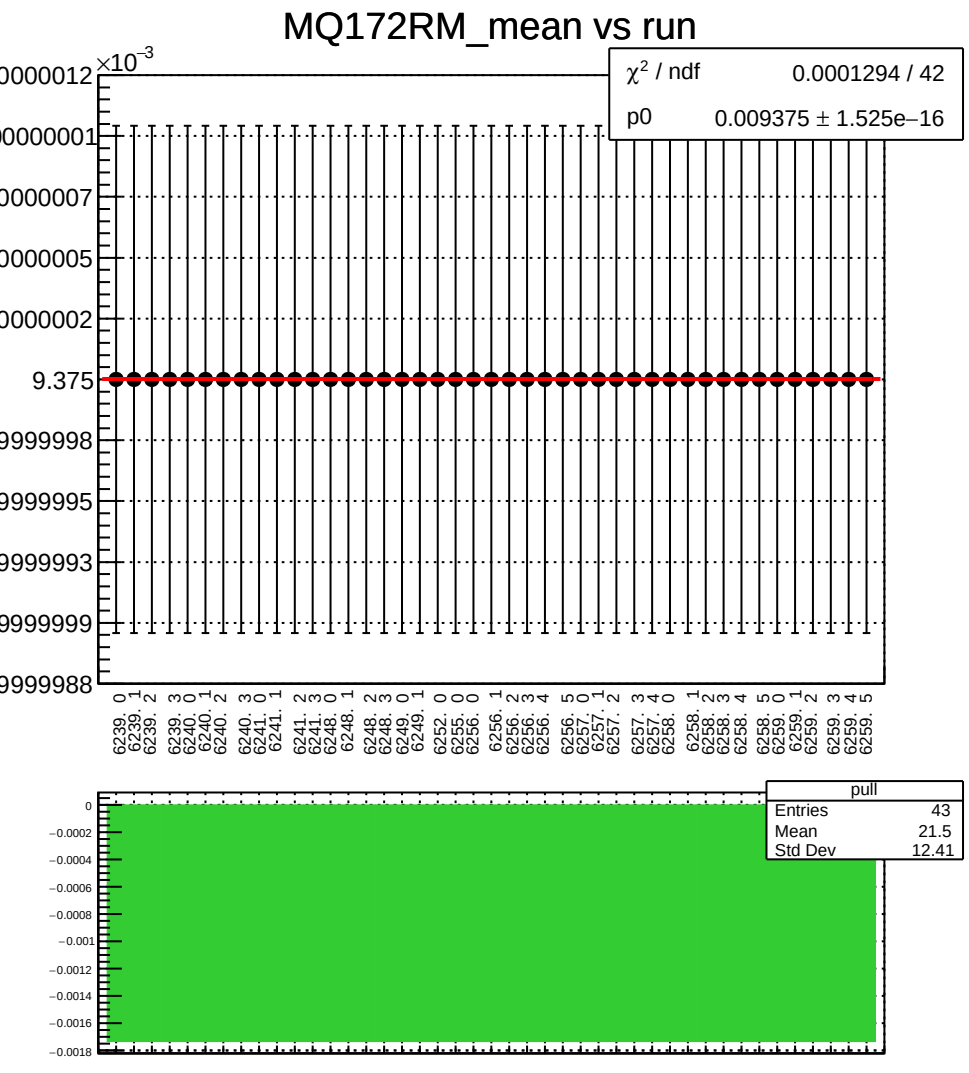

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

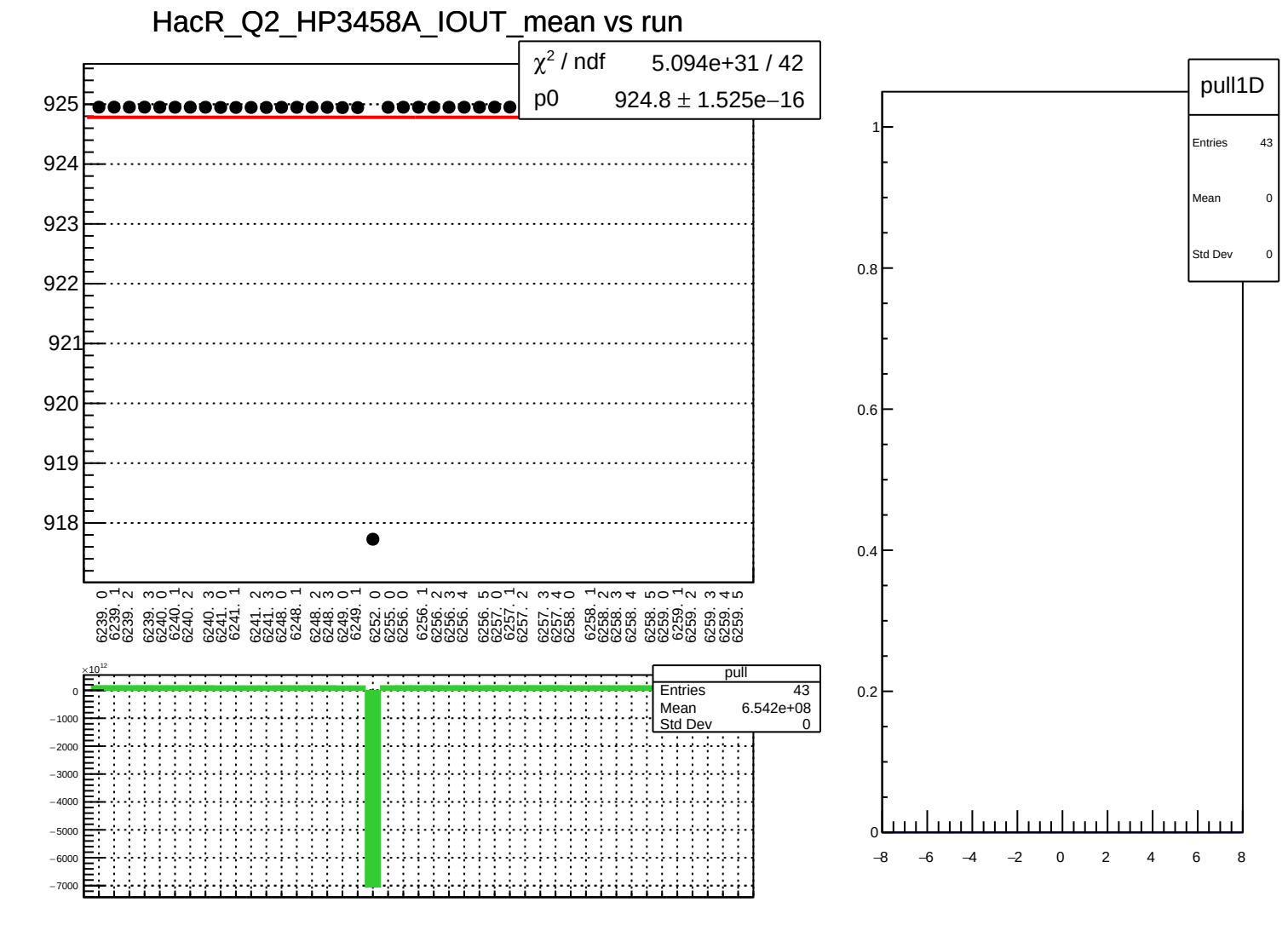

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.451e+28 / 42
p0 741.5 ± 1.525e−16
741.55
741.54
741.53
741.52
741.51
741.5
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10¹²
20
10
0
−10
−20
pull
Entries 43
Mean 3.34e+08
Std Dev 0

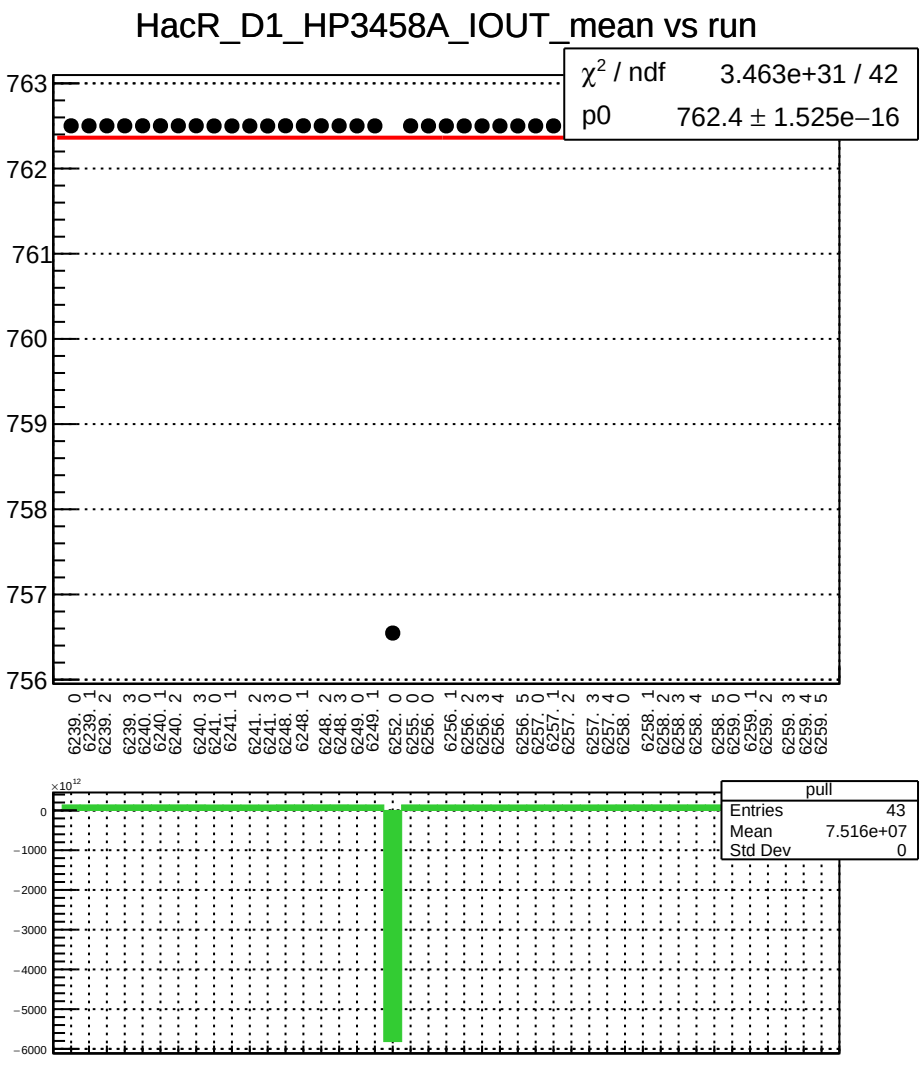

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

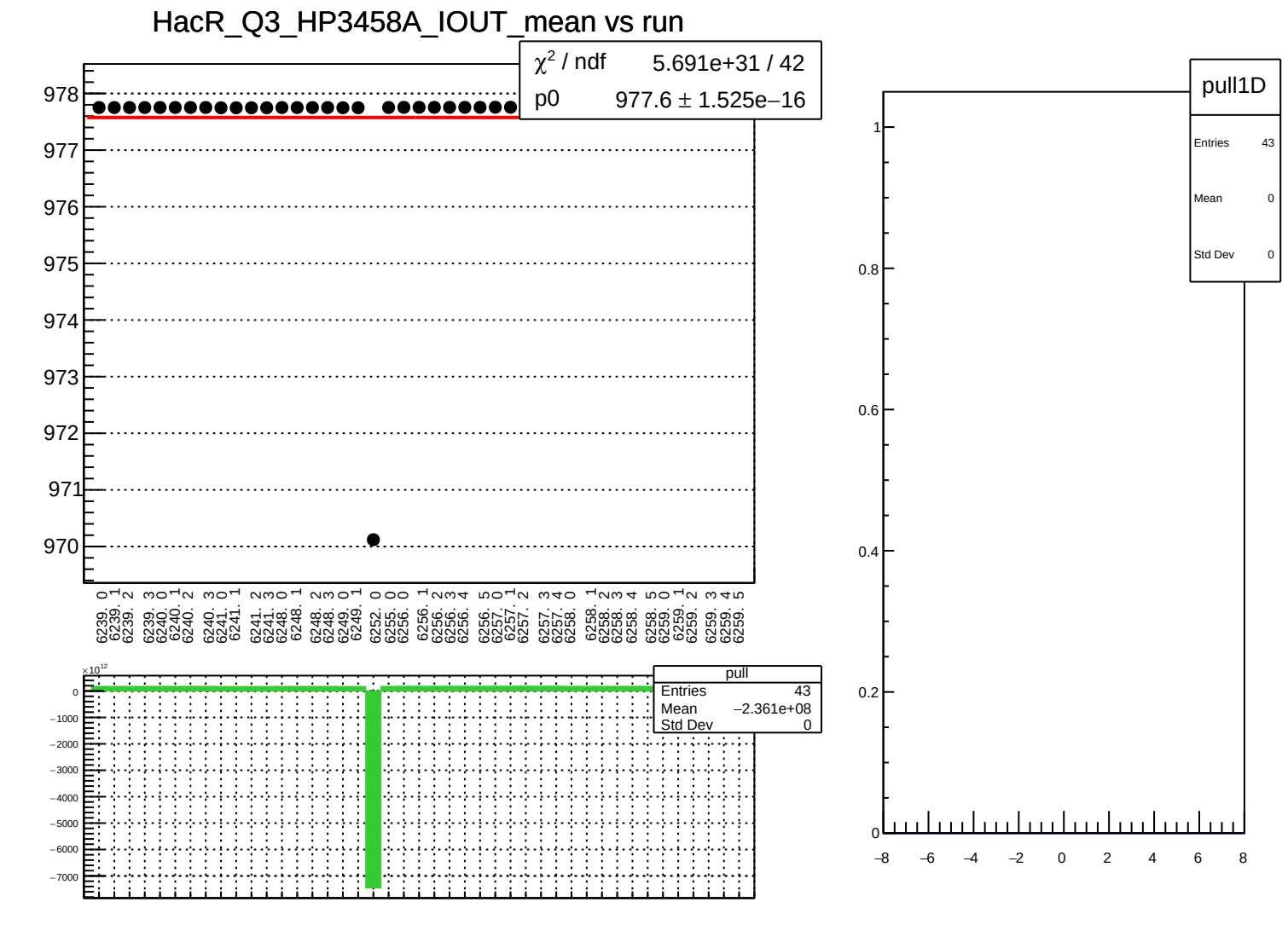

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.849e+26 / 42
p0 980.8 ± 1.525e−16
980.828
980.826
980.824
980.822
980.82
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 43
Mean 3.809e+07
Std Dev 0

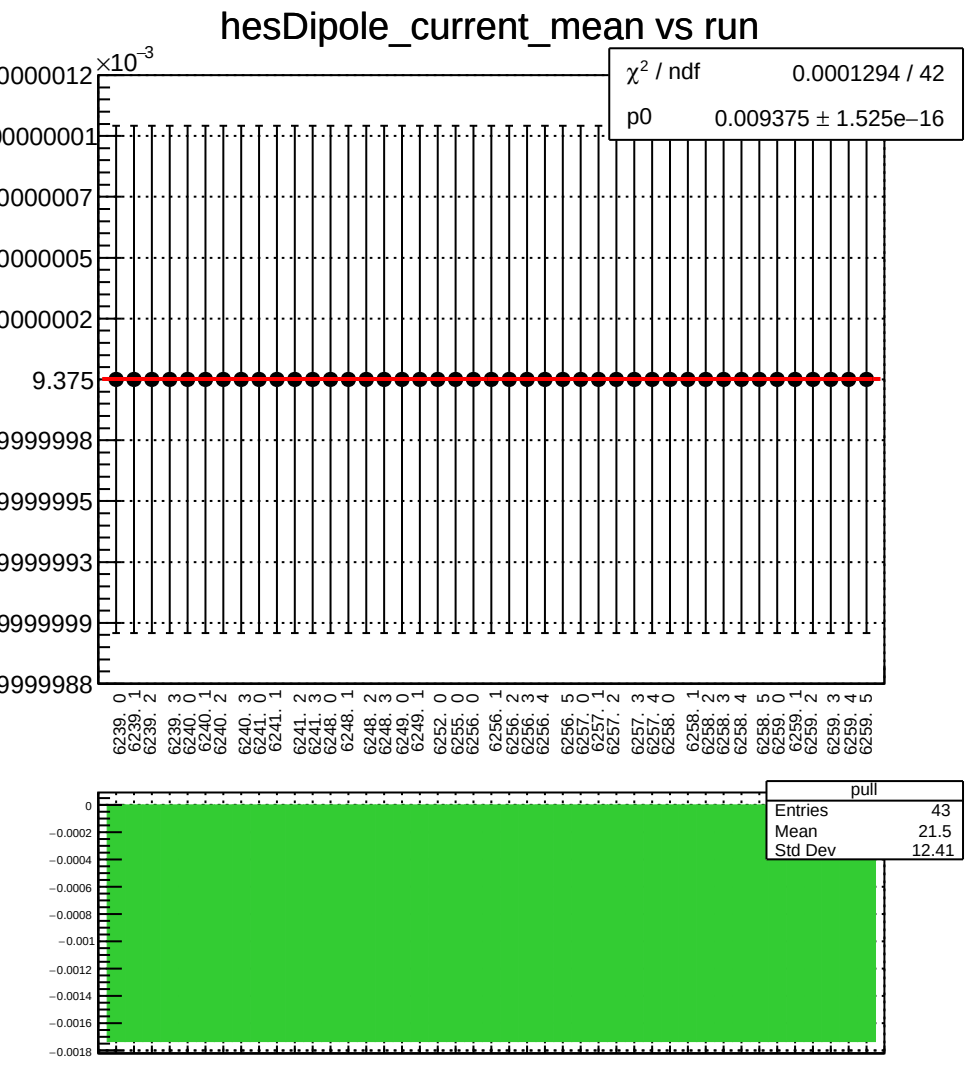

pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

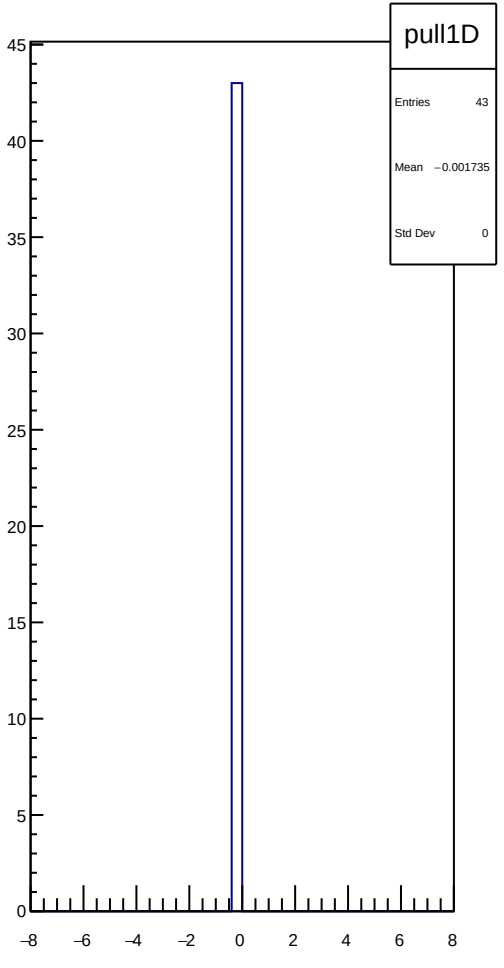

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
9.375
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
pull1D
Entries 43
Mean −0.001735
Std Dev 0

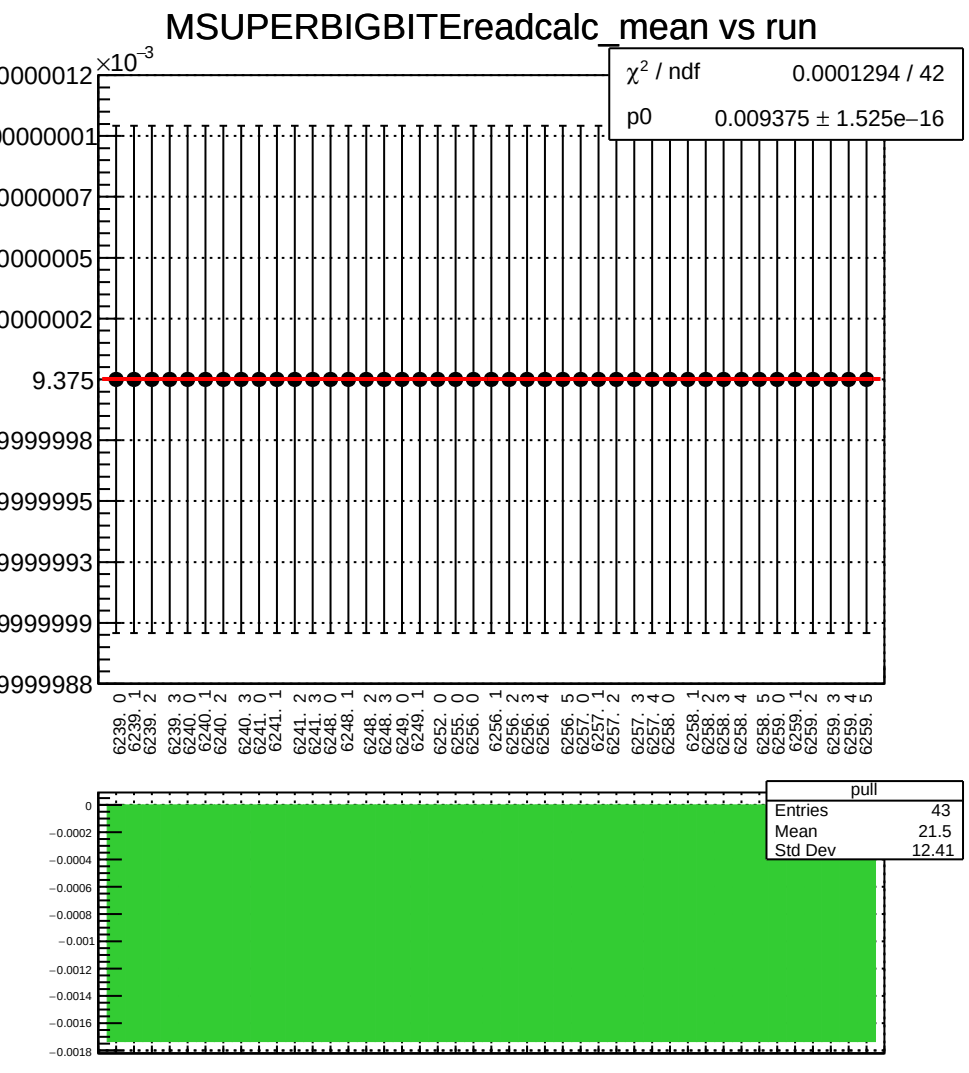

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.094e+31 / 42
p0 924.8 ± 1.525e−16
925
924
923
922
921
920
919
918
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10¹²
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 43
Mean 6.542e+08
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

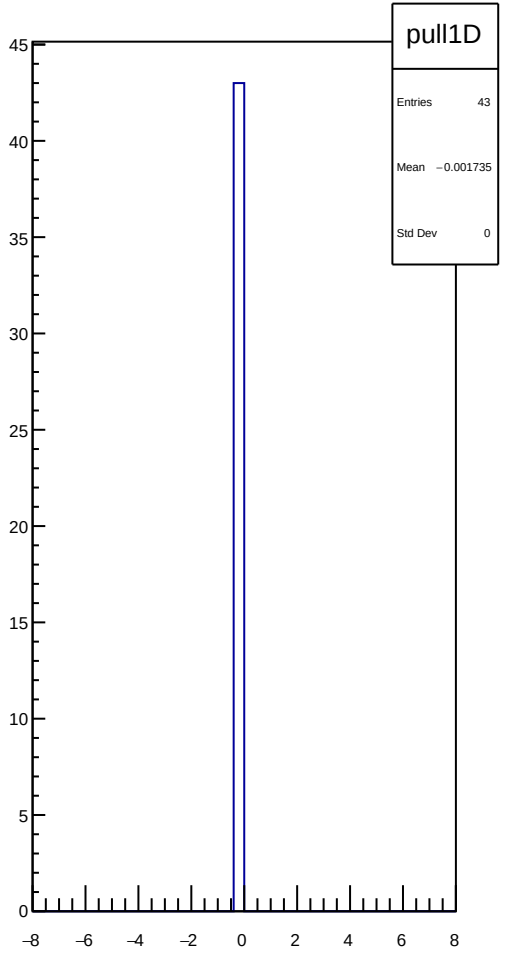

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 3.463e+31 / 42
p0 762.4 ± 1.525e−16
763
762
761
760
759
758
757
756
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10¹²
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 43
Mean 7.516e+07
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

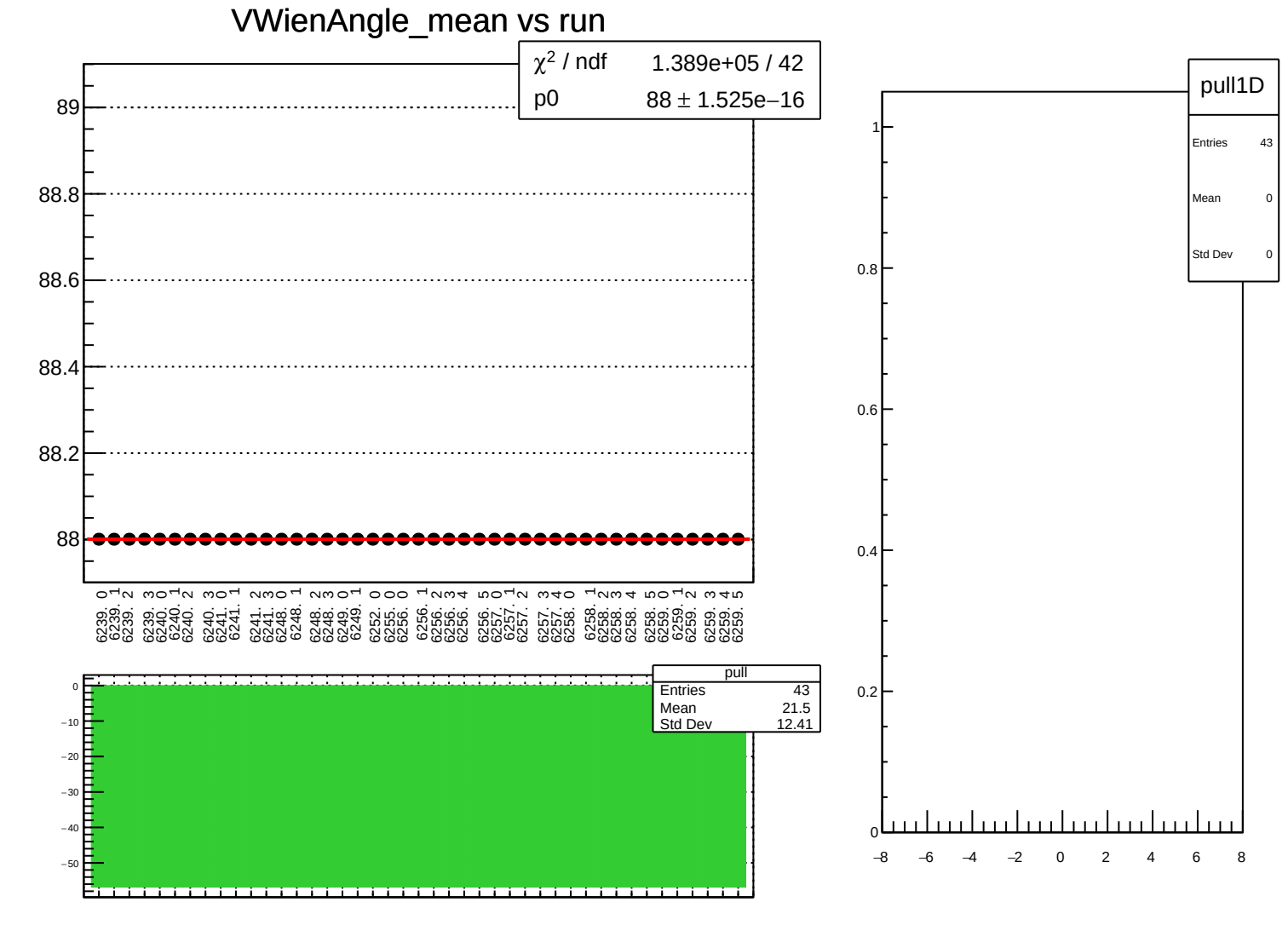

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 5.691e+31 / 42
p0 977.6 ± 1.525e−16
978
977
976
975
974
973
972
971
970
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10¹²
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 43
Mean −2.361e+08
Std Dev 0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

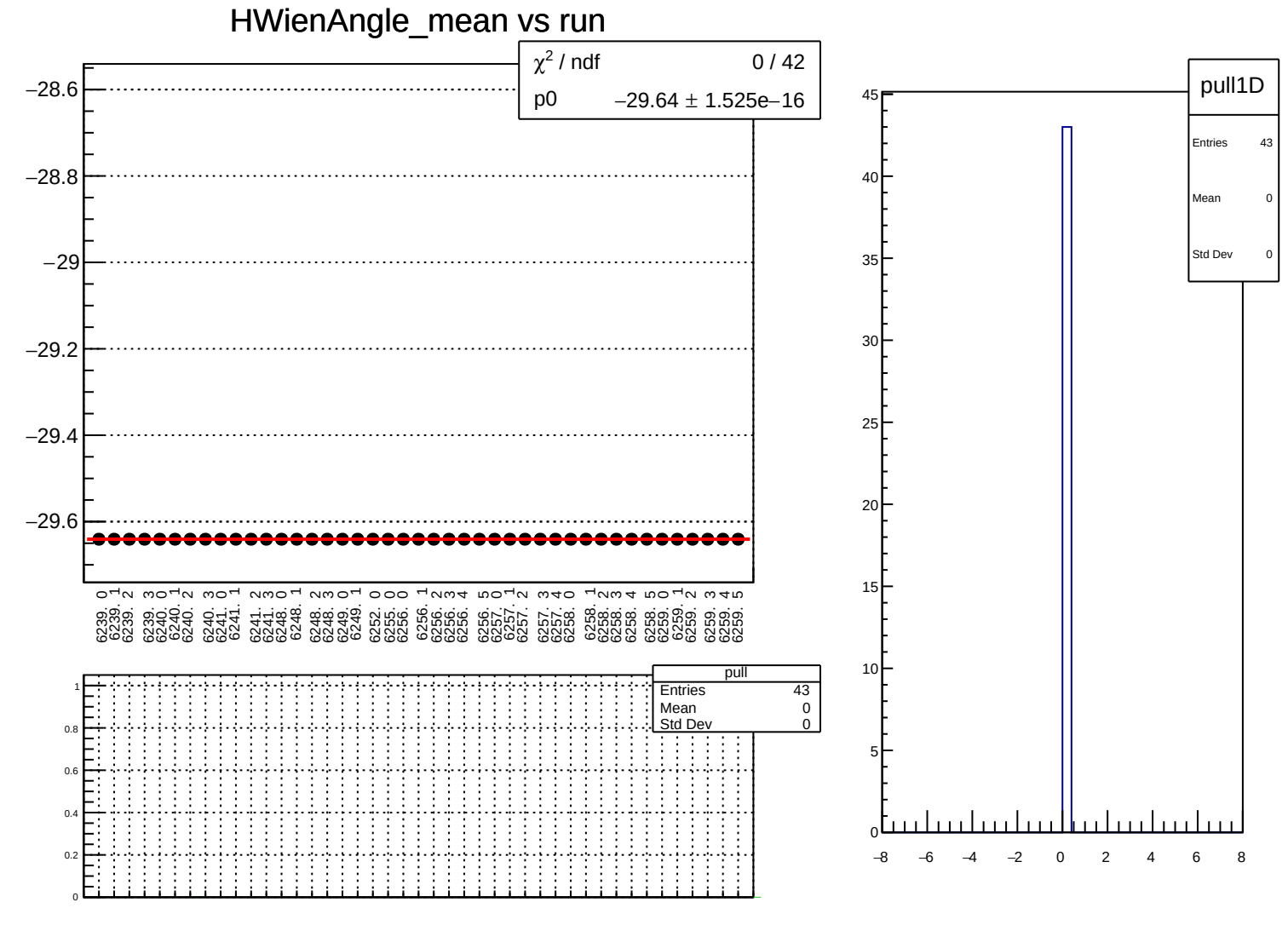

hesDipole_current_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41

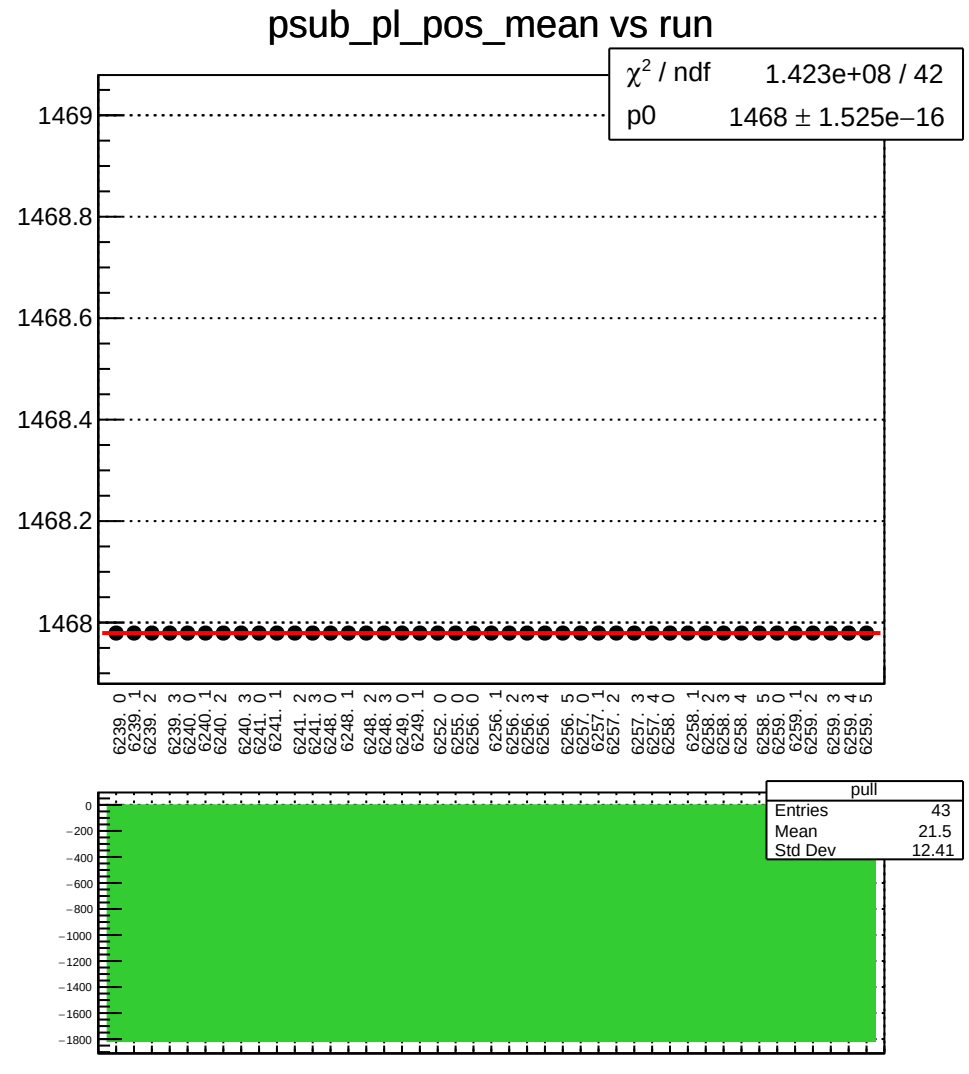

pull1D
Entries 43
Mean −0.001735
Std Dev 0

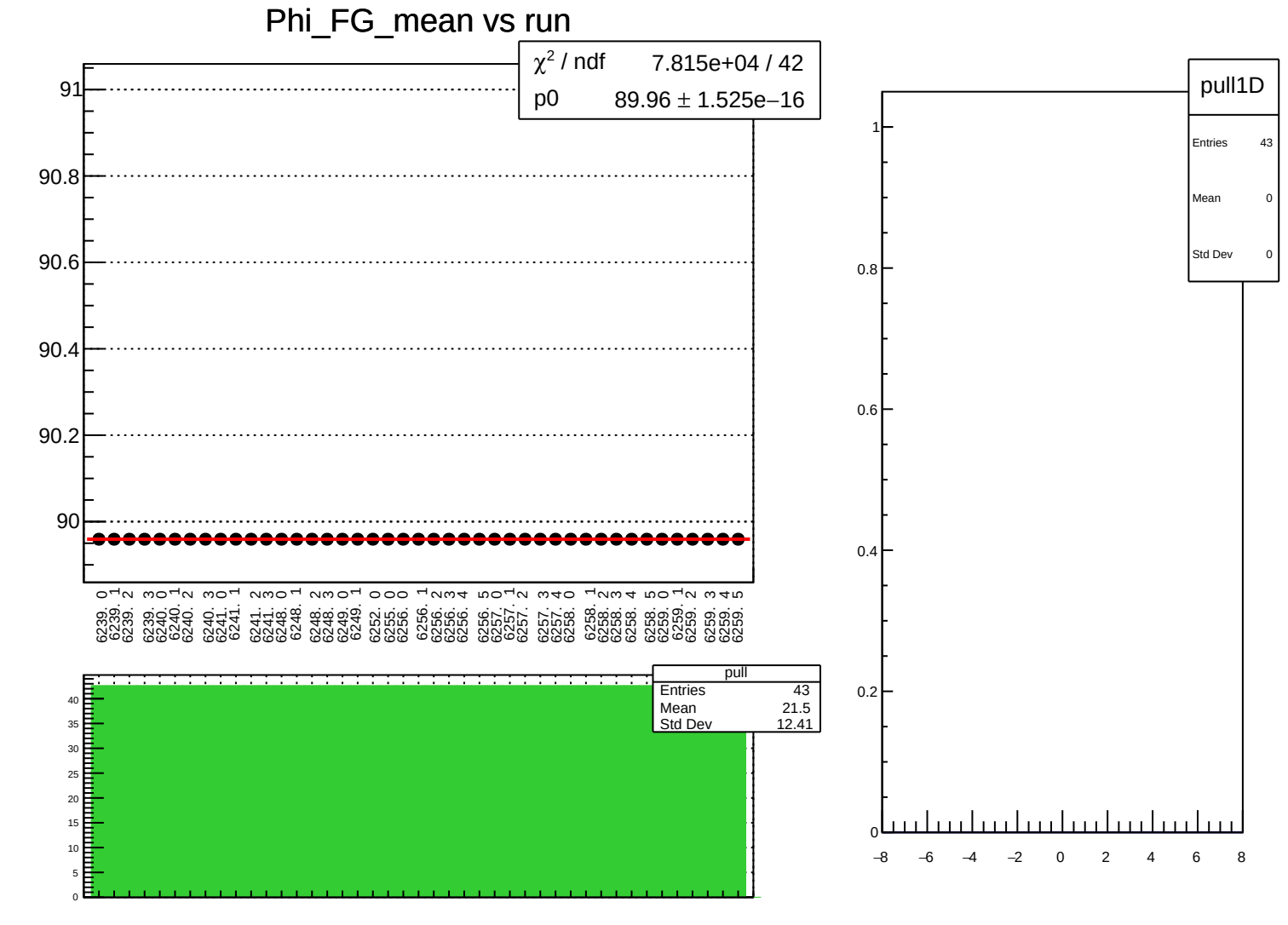

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
9.375
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
−0.0016
−0.0018

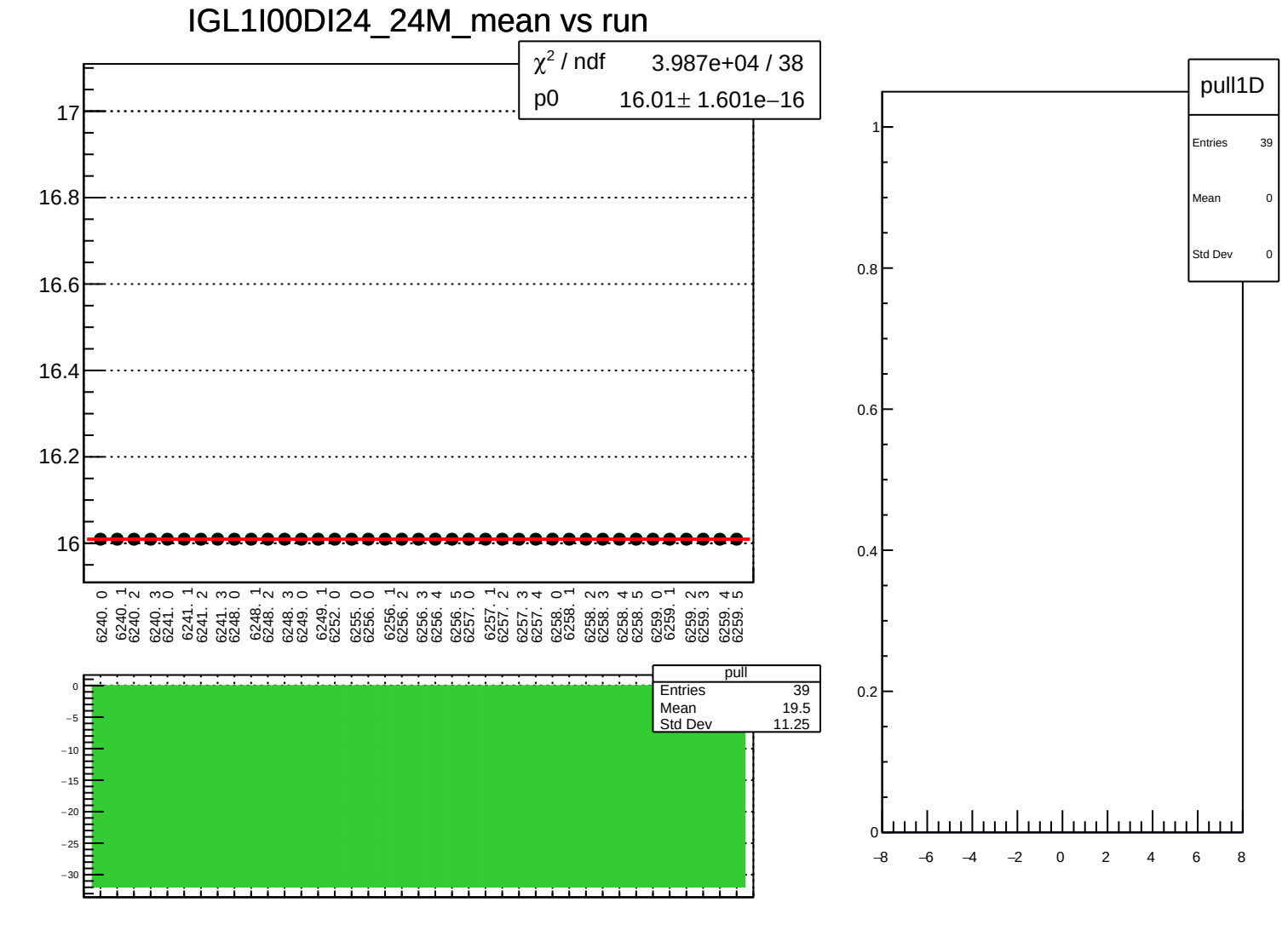

pull1D
Entries 43
Mean −0.001735
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

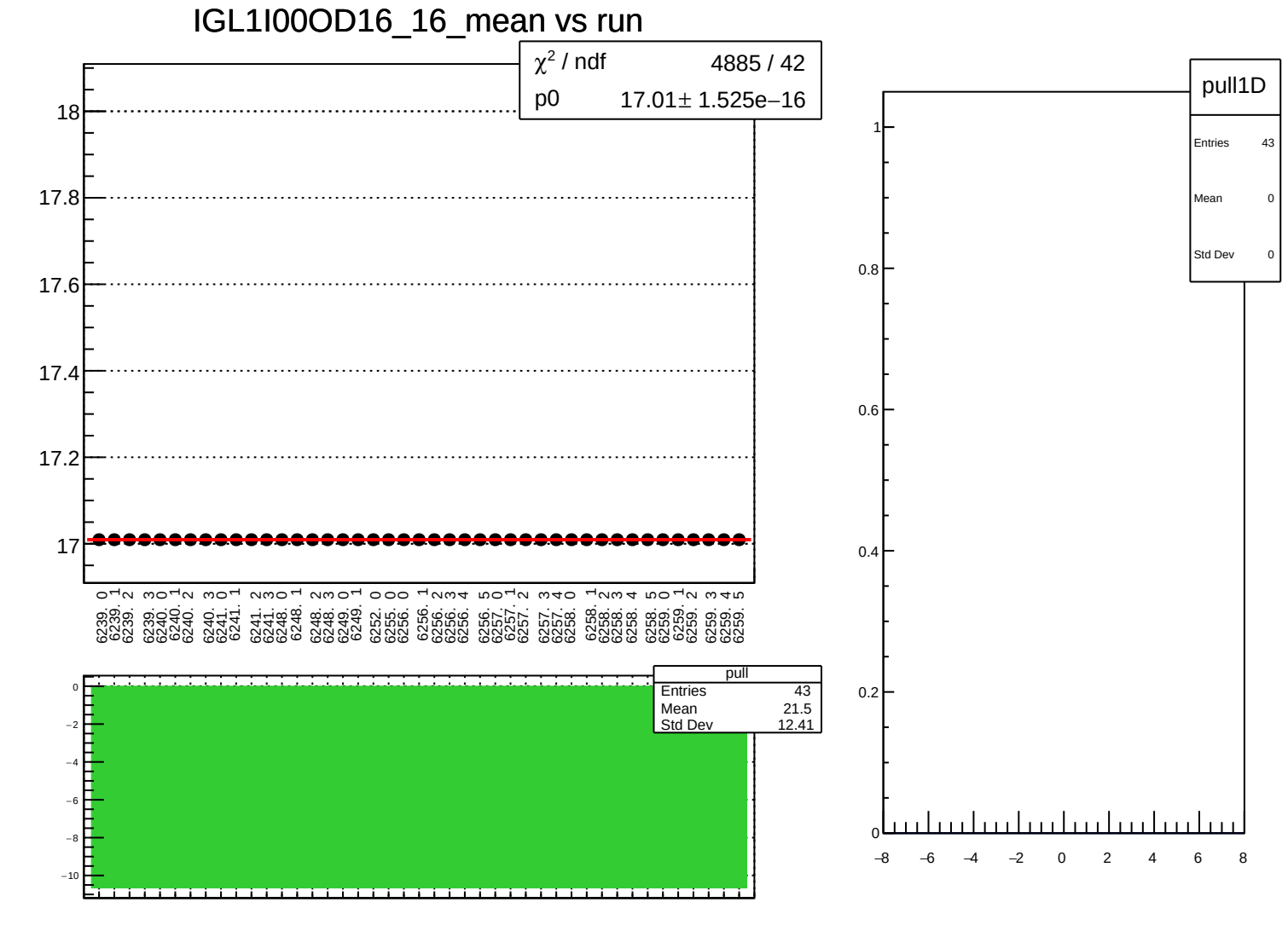

VWienAngle_mean vs run
χ² / ndf 1.389e+05 / 42
p0 88 ± 1.525e−16
89
88.8
88.6
88.4
88.2
88
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−10
−20
−30
−40
−50
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

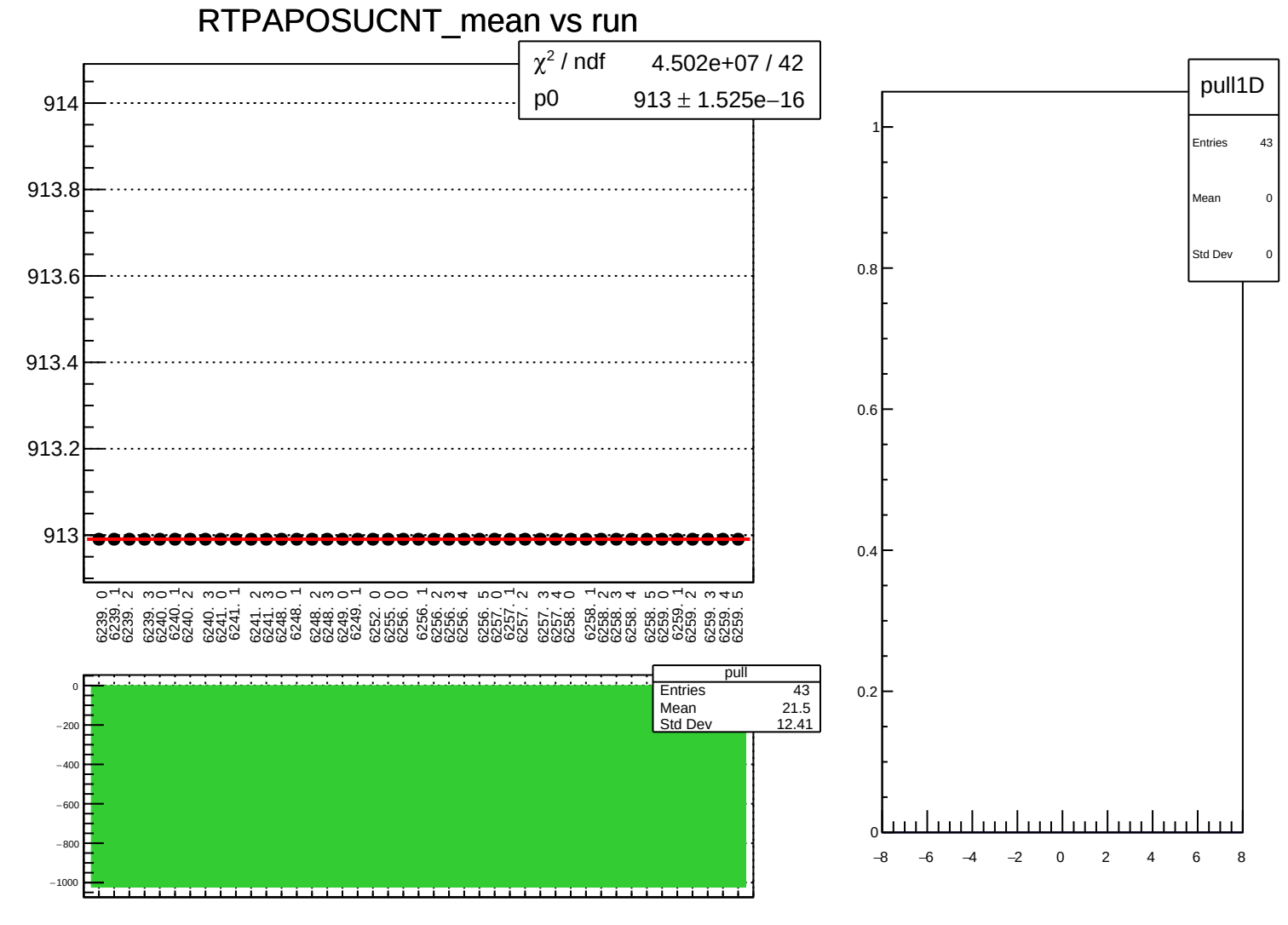

HWienAngle_mean vs run
χ² / ndf 0 / 42
p0 −29.64 ± 1.525e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 43
Mean 0
Std Dev 0
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

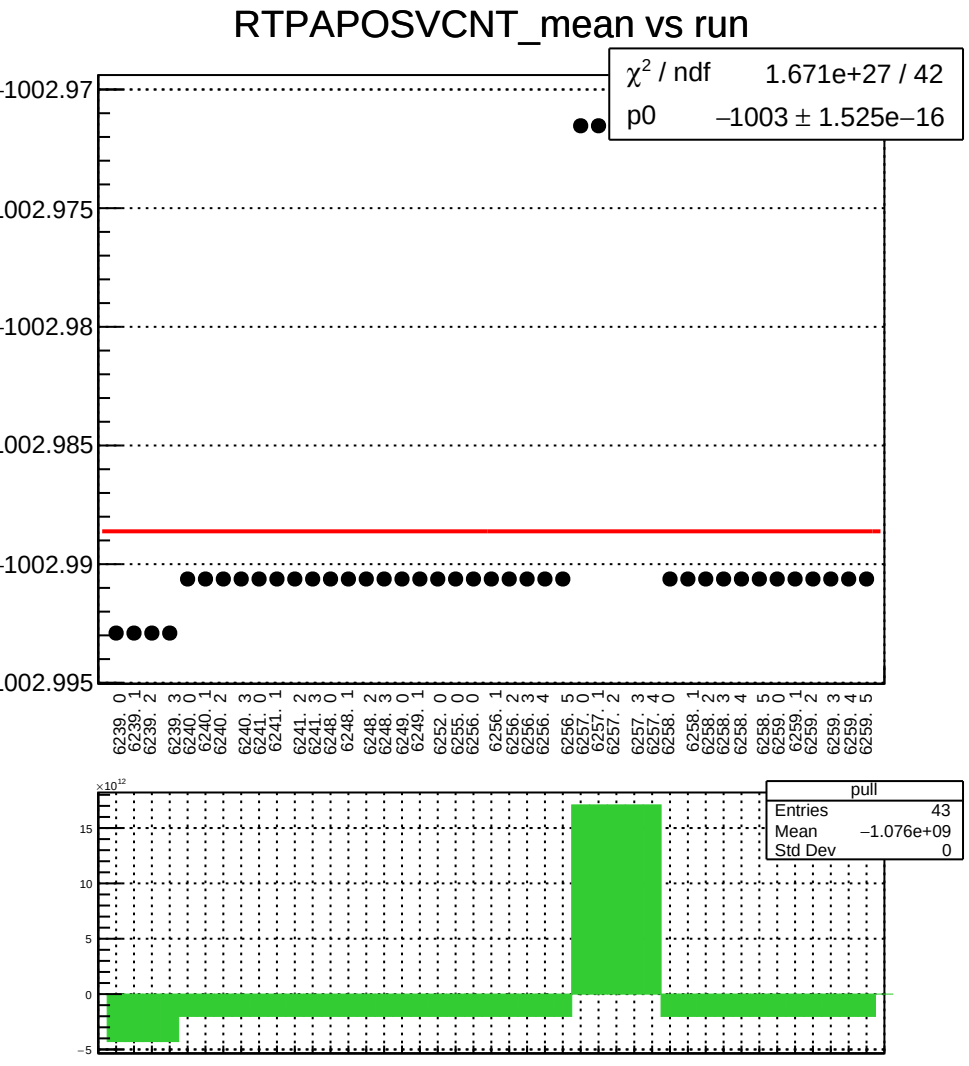

psub_pl_pos_mean vs run
χ² / ndf 1.423e+08 / 42
p0 1468 ± 1.525e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

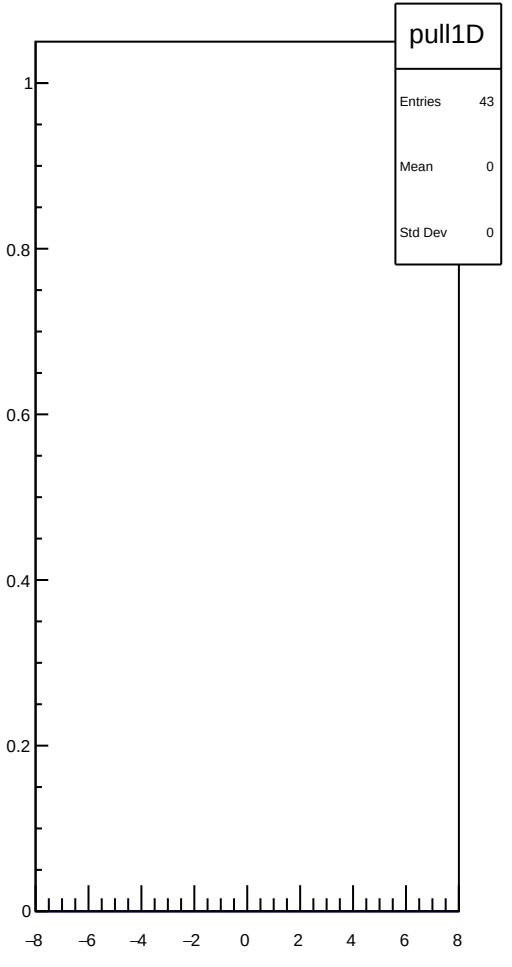

Phi_FG_mean vs run
χ² / ndf 7.815e+04 / 42
p0 89.96 ± 1.525e−16
91
90.8
90.6
90.4
90.2
90
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
40
35
30
25
20
15
10
5
0
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

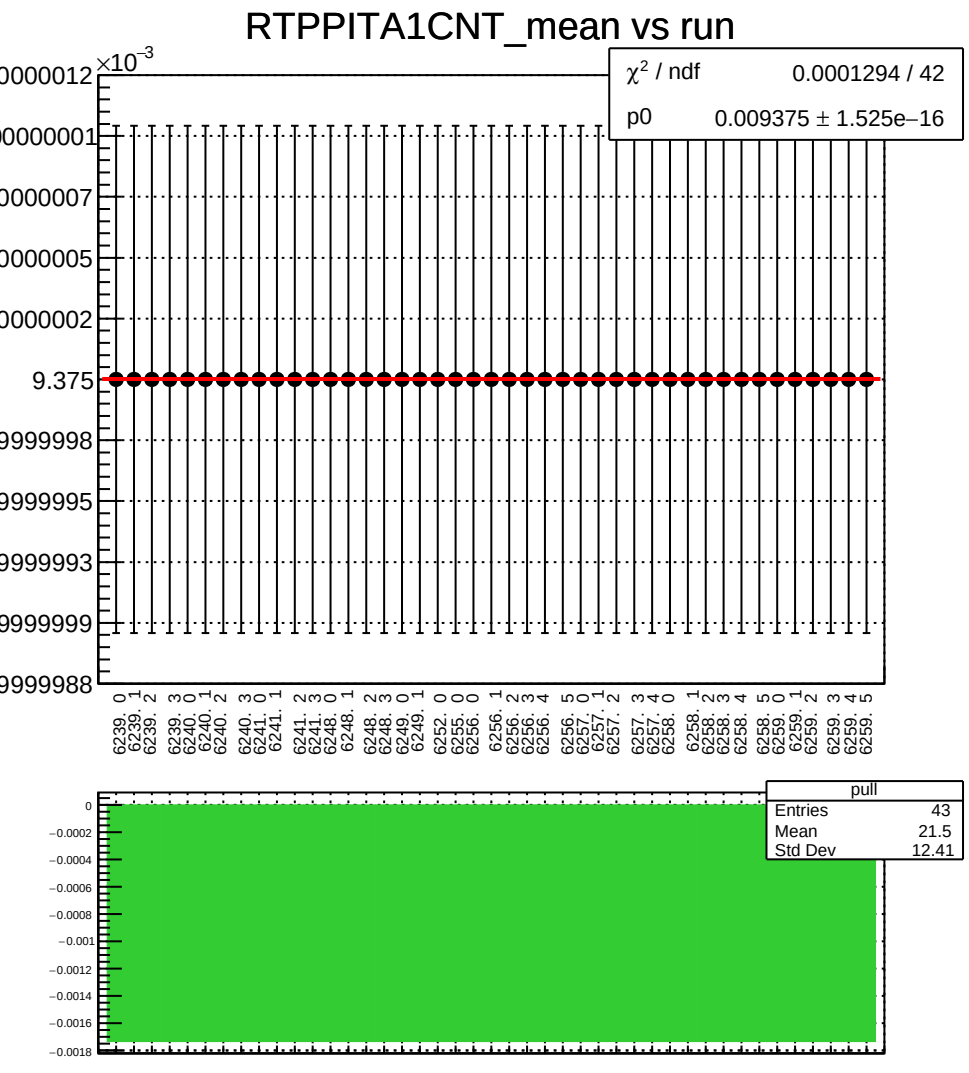

IGL1I00DI24_24M_mean vs run
χ² / ndf 3.987e+04 / 38
p0 16.01± 1.601e−16
17
16.8
16.6
16.4
16.2
16
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 39
Mean 19.5
Std Dev 11.25
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 39
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

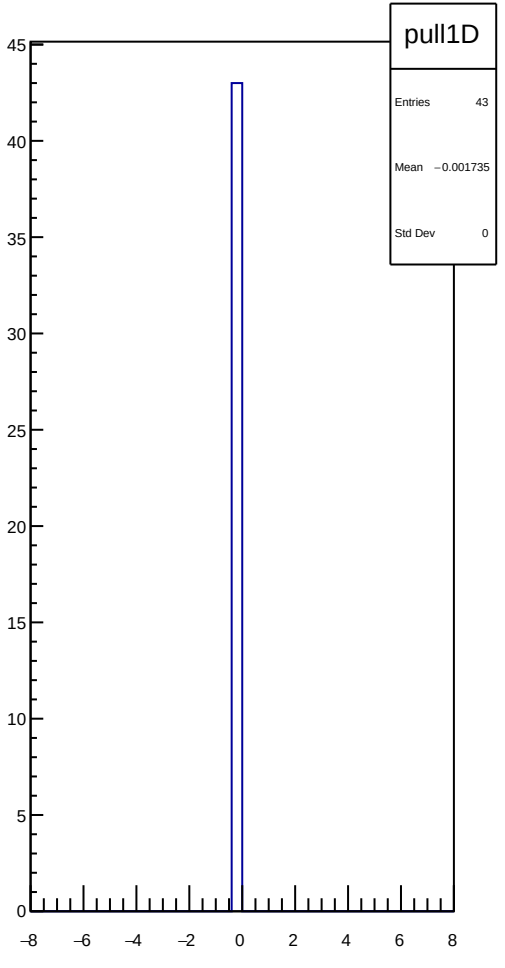

IGL1I00OD16_16_mean vs run
χ² / ndf 4885 / 42
p0 17.01± 1.525e−16
18
17.8
17.6
17.4
17.2
17
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−2
−4
−6
−8
−10
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

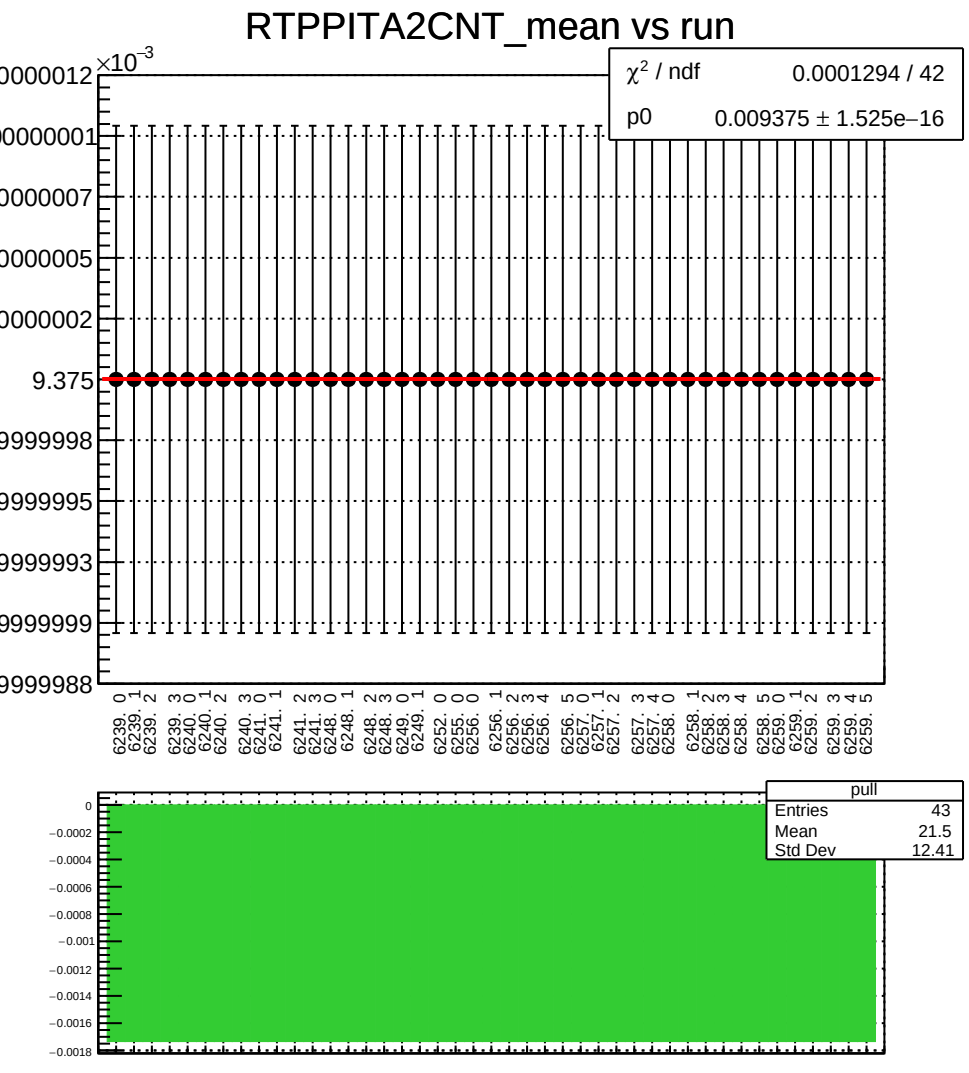

RTPAPOSUCNT_mean vs run
χ² / ndf 4.502e+07 / 42
p0 913 ± 1.525e−16
914
913.8
913.6
913.4
913.2
913
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
pull
Entries 43
Mean 21.5
Std Dev 12.41
0
−200
−400
−600
−800
−1000
pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

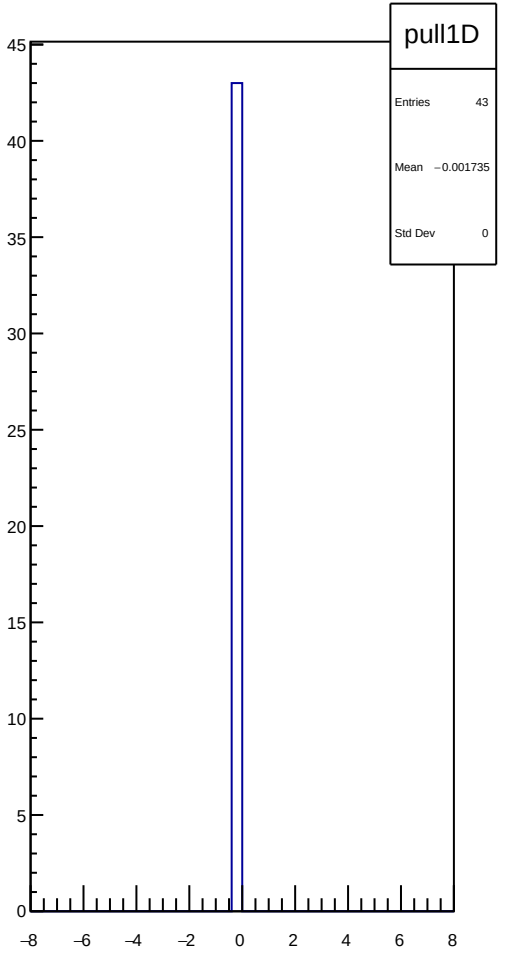

RTPAPOSVCNT_mean vs run
χ² / ndf 1.671e+27 / 42
p0 −1003 ± 1.525e−16
−1002.97
−1002.975
−1002.98
−1002.985
−1002.99
−1002.995
6239. 0
6239. 1
6239. 2
6239. 3
6240. 0
6240. 1
6240. 2
6240. 3
6241. 0
6241. 1
6241. 2
6241. 3
6248. 0
6248. 1
6248. 2
6248. 3
6249. 0
6249. 1
6252. 0
6255. 0
6256. 0
6256. 1
6256. 2
6256. 3
6256. 4
6256. 5
6257. 0
6257. 1
6257. 2
6257. 3
6257. 4
6258. 0
6258. 1
6258. 2
6258. 3
6258. 4
6258. 5
6259. 0
6259. 1
6259. 2
6259. 3
6259. 4
6259. 5
×10¹²
15
10
5
0
−5
pull
Entries 43
Mean −1.076e+09
Std Dev 0


pull1D
Entries 43
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41


pull1D
Entries 43
Mean −0.001735
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 0.0001294 / 42
p0 0.009375 ± 1.525e−16
×10⁻³
pull
Entries 43
Mean 21.5
Std Dev 12.41


pull1D
Entries 43
Mean −0.001735
Std Dev 0