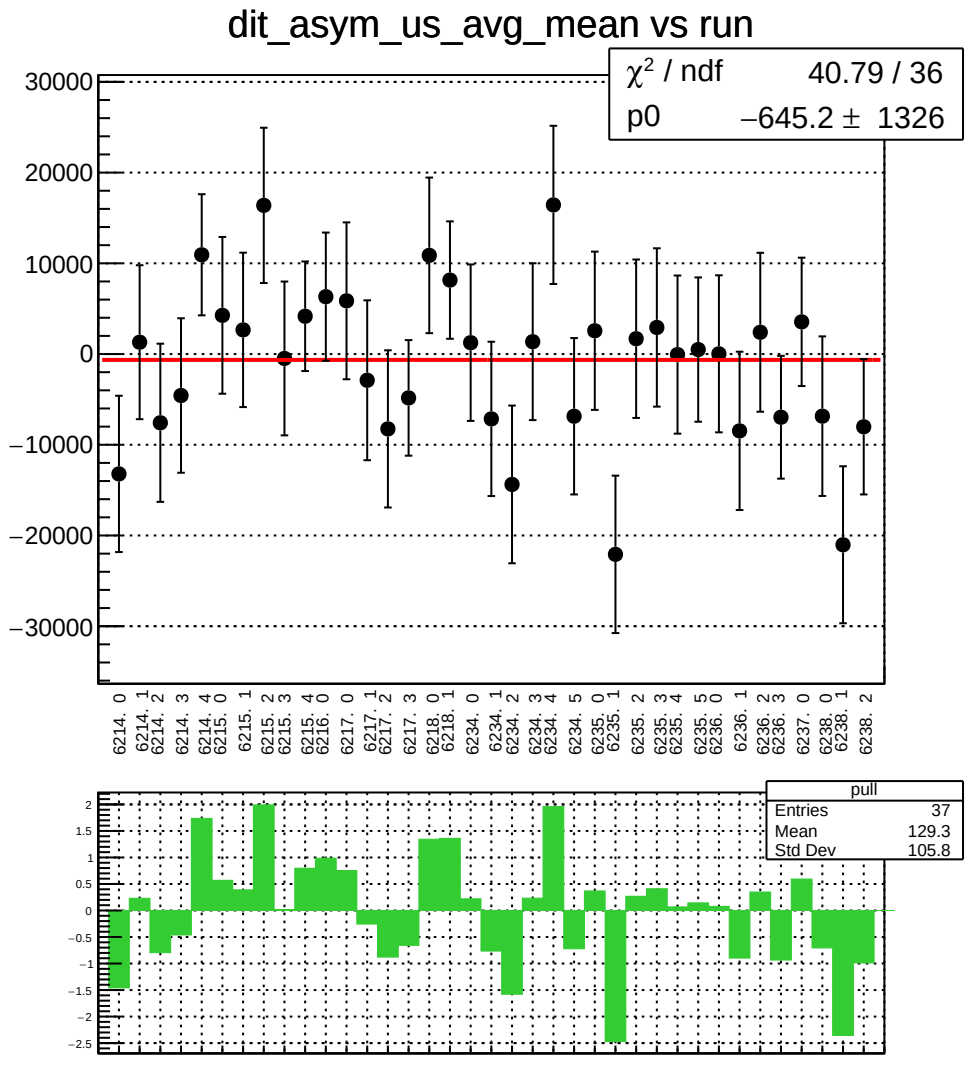
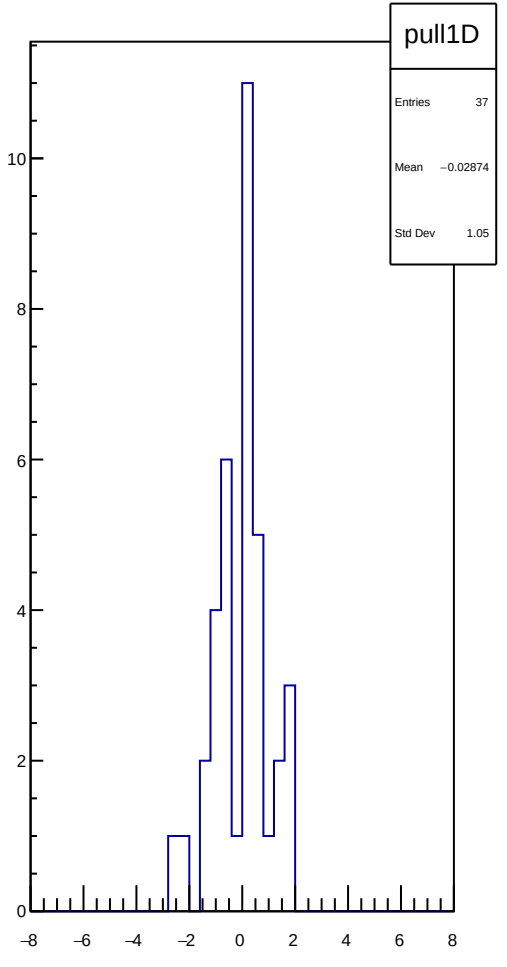
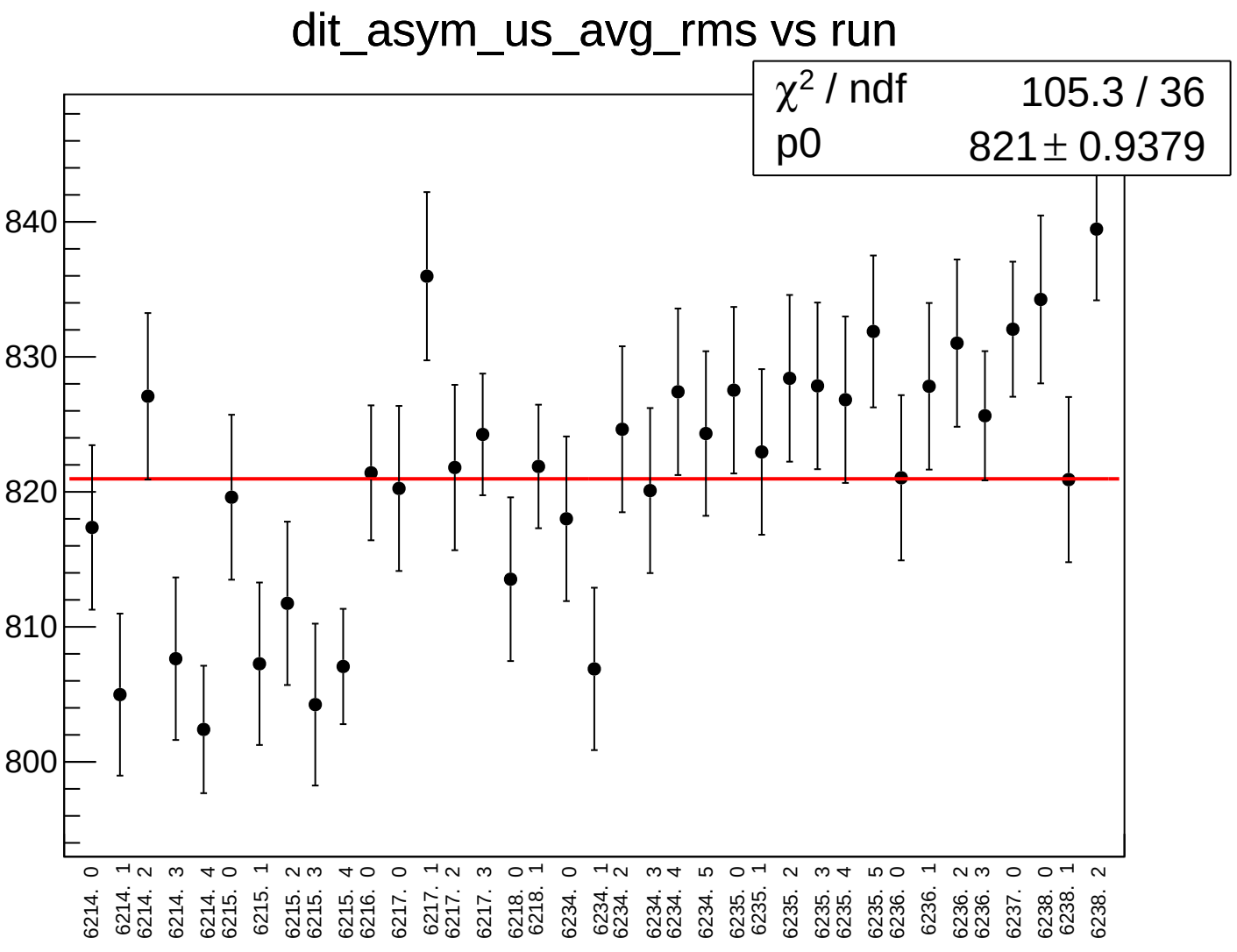
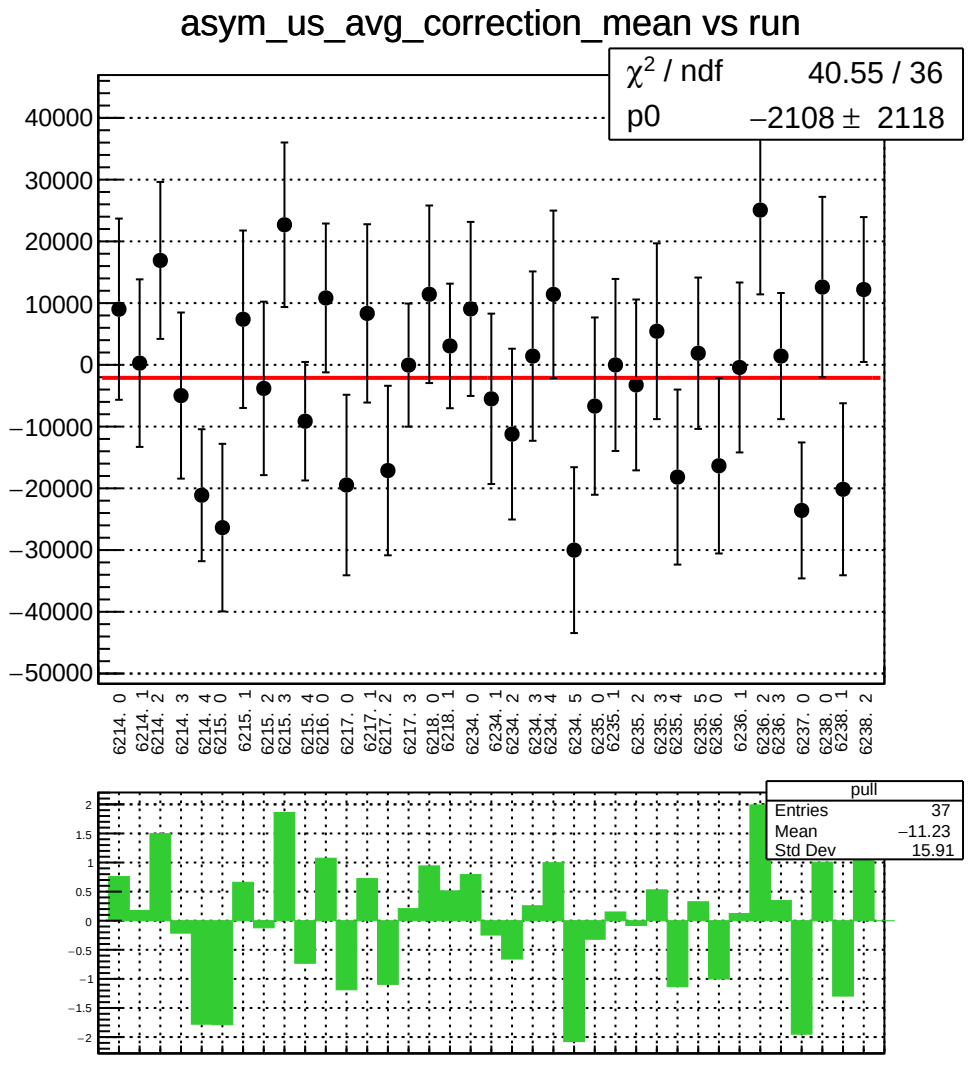
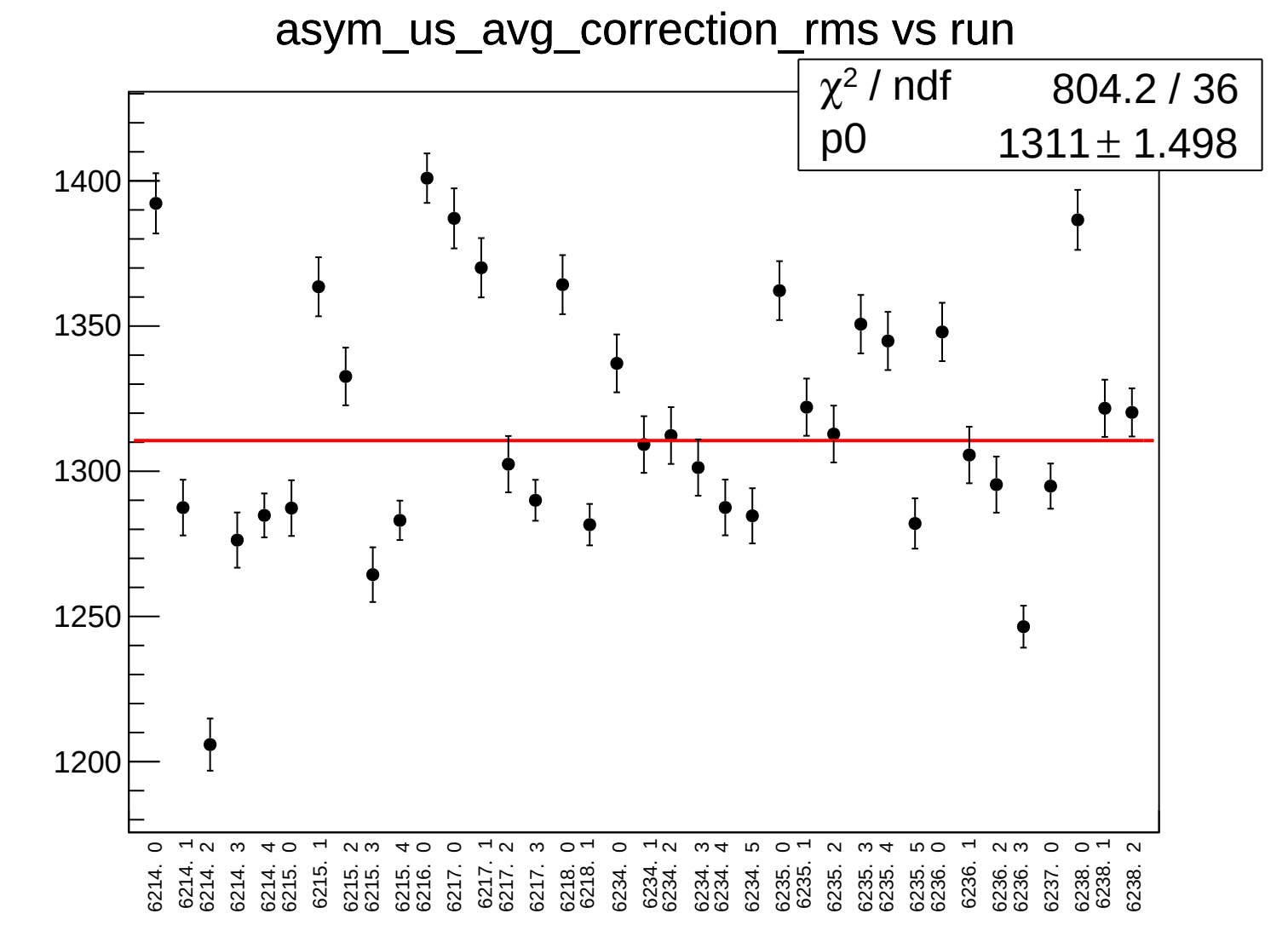
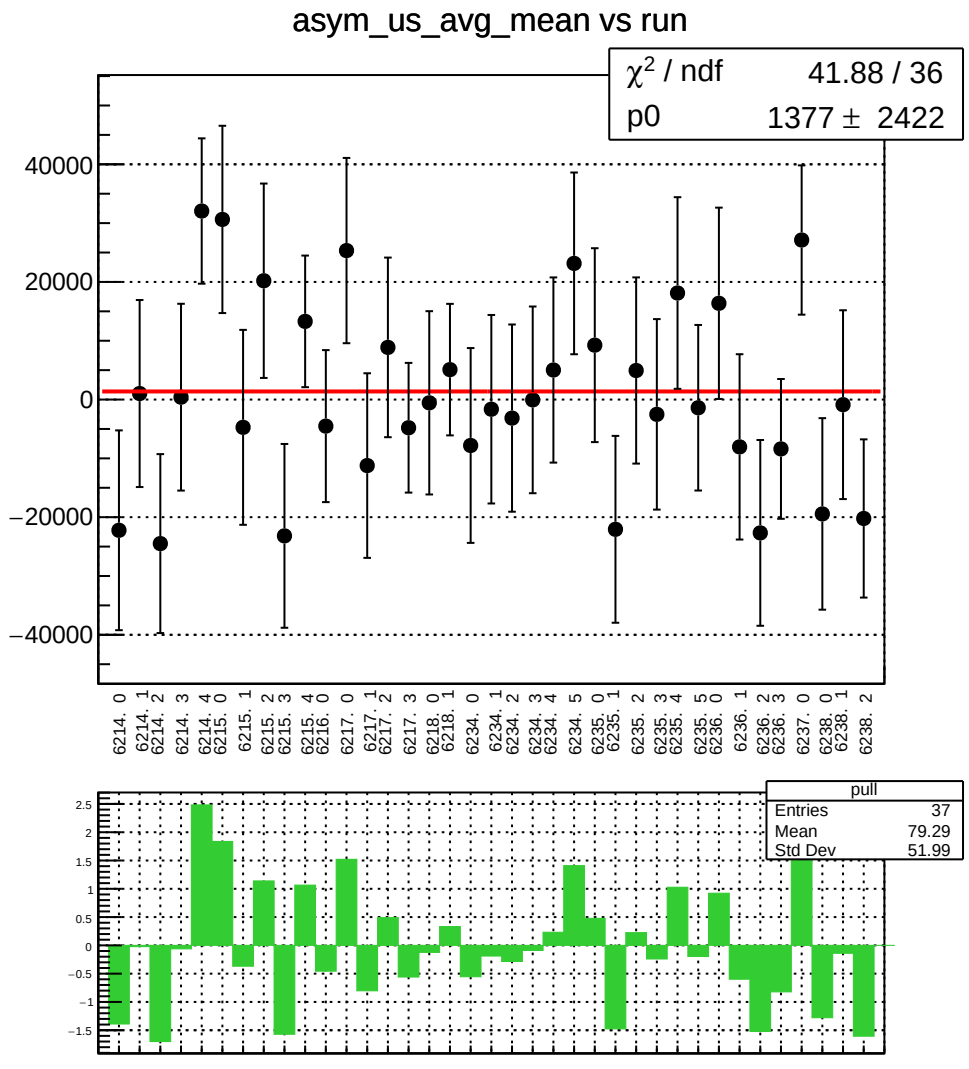

dit_asym_us_avg_mean vs run
χ² / ndf 40.79 / 36
p0 −645.2 ± 1326
30000
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 129.3
Std Dev 105.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

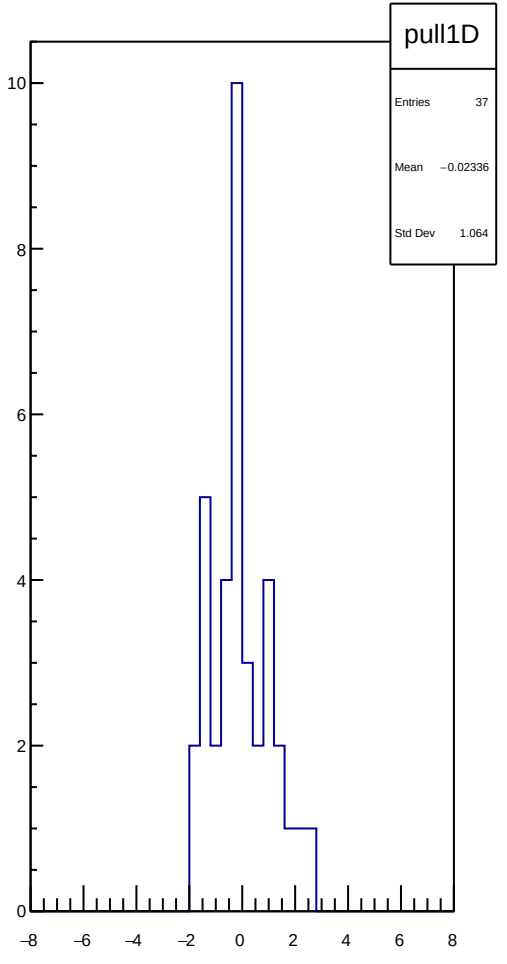

pull1D
Entries 37
Mean −0.02874
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

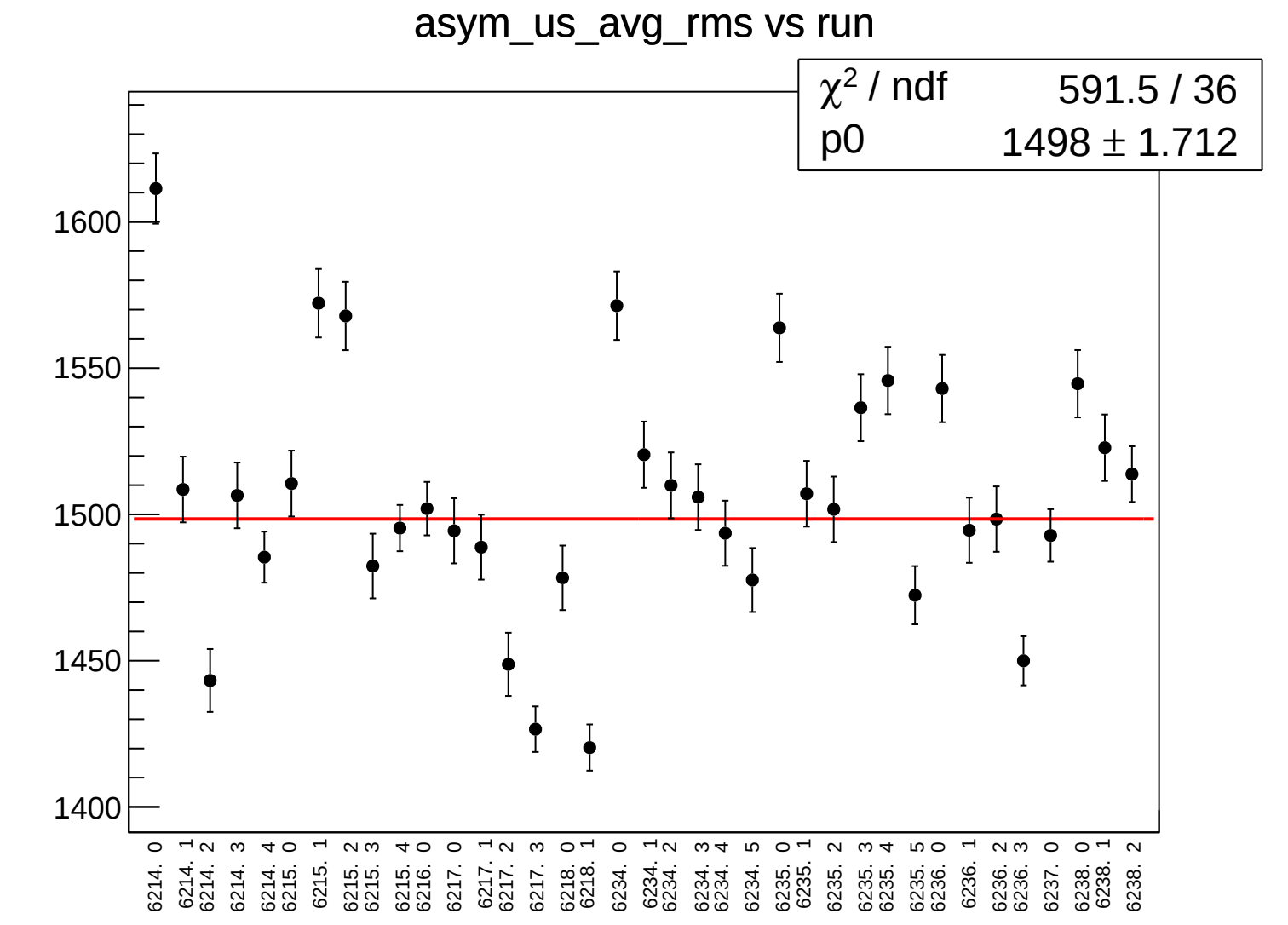

dit_asym_us_avg_rms vs run
χ² / ndf 105.3 / 36
p0 821 ± 0.9379
840
830
820
810
800
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

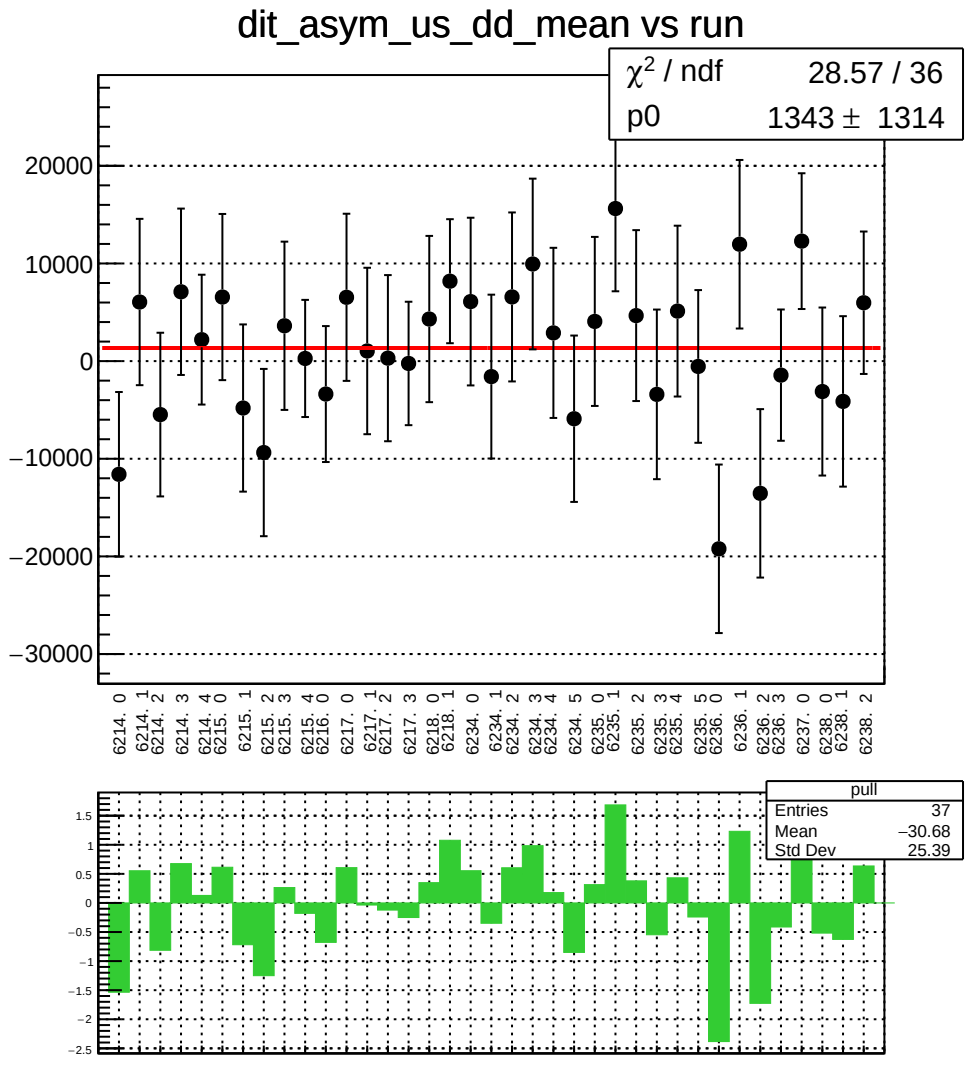

asym_us_avg_correction_mean vs run
χ² / ndf 40.55 / 36
p0 −2108 ± 2118
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.23
Std Dev 15.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01271
Std Dev 1.047
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

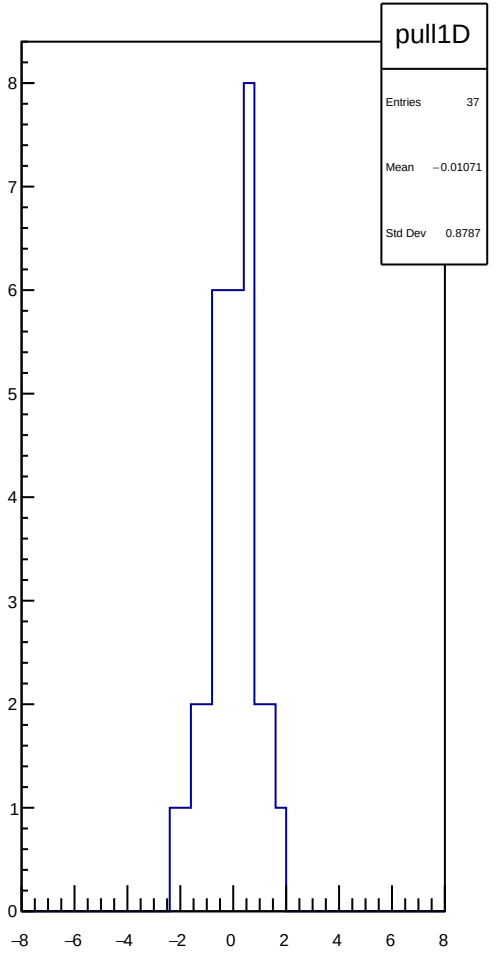

asym_us_avg_correction_rms vs run
χ² / ndf 804.2 / 36
p0 1311 ± 1.498
1400
1350
1300
1250
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

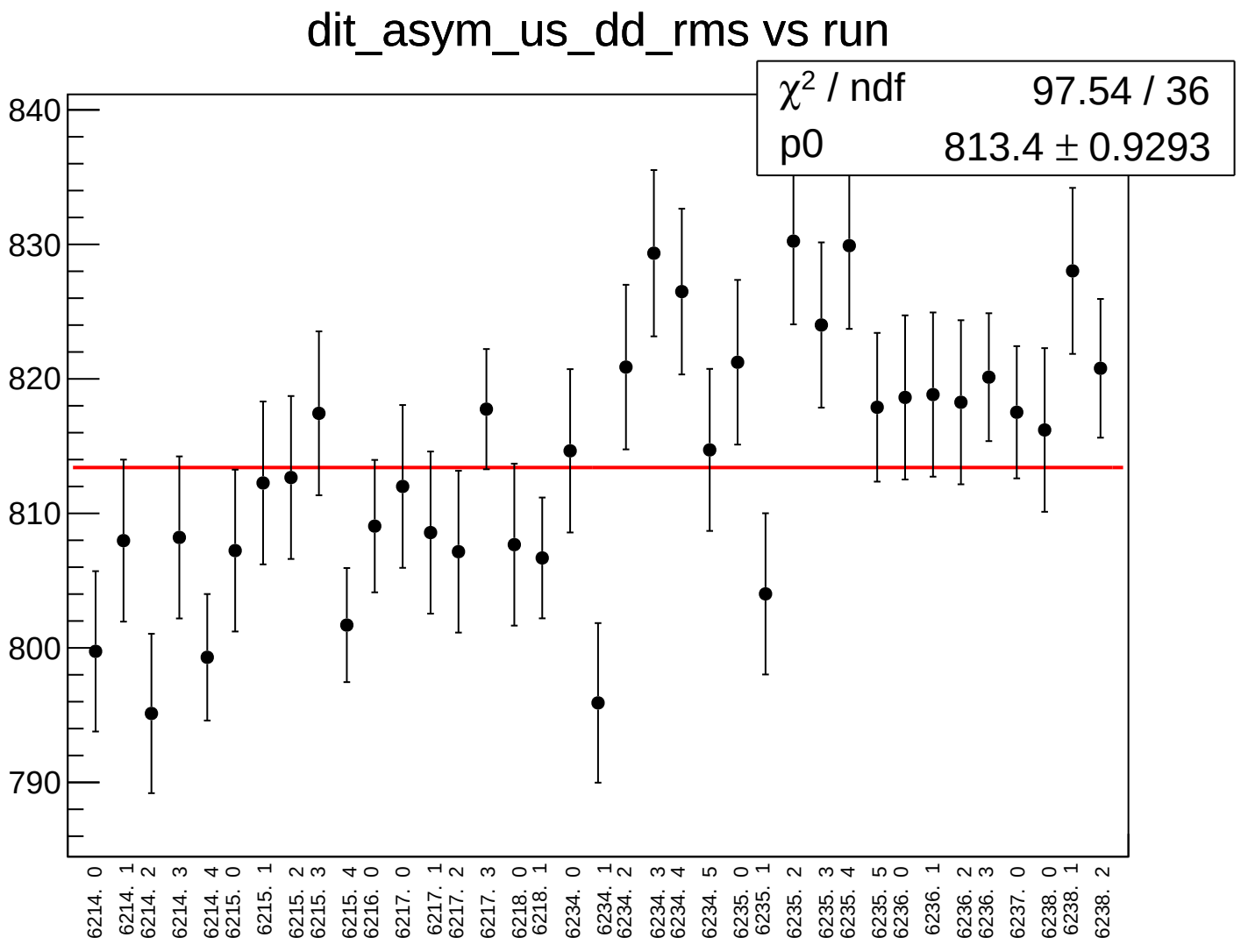

asym_us_avg_mean vs run
χ² / ndf 41.88 / 36
p0 1377 ± 2422
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 79.29
Std Dev 51.99
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

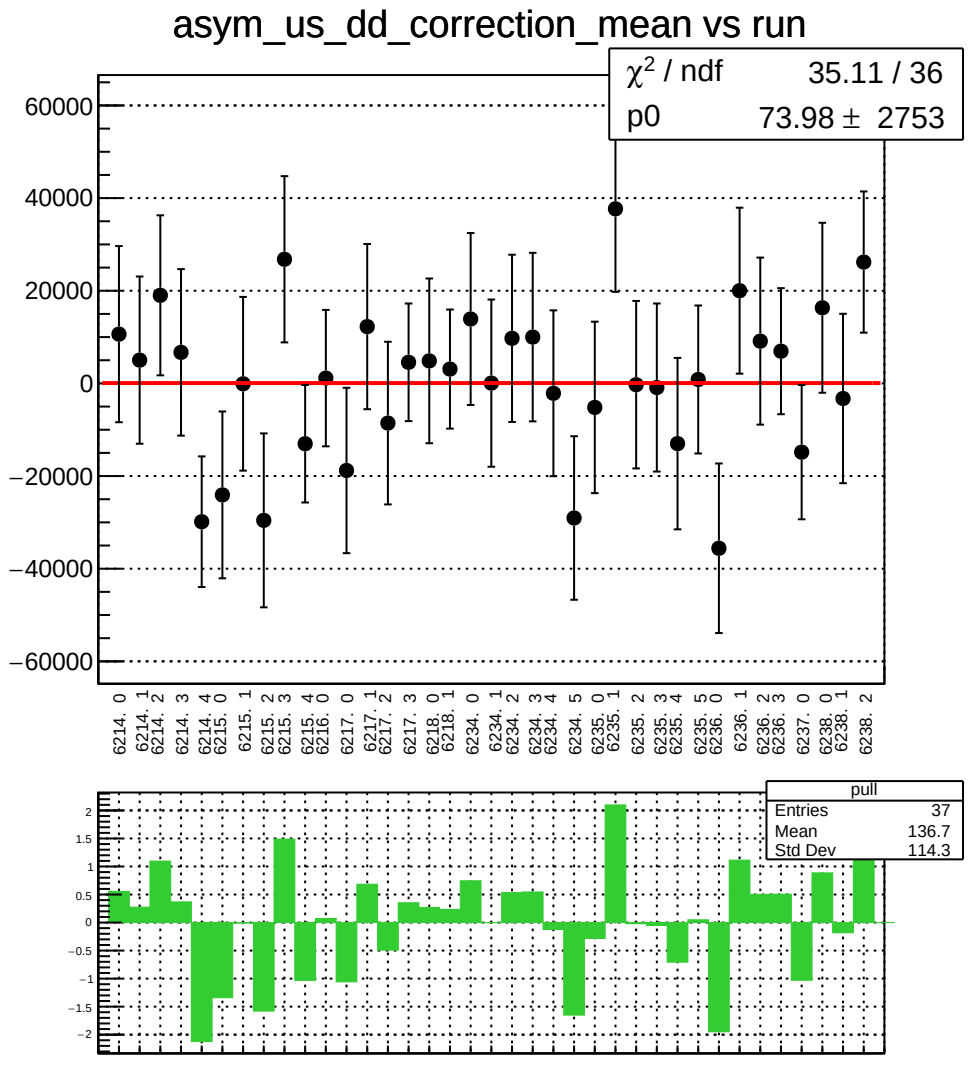

pull1D
Entries 37
Mean −0.02336
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

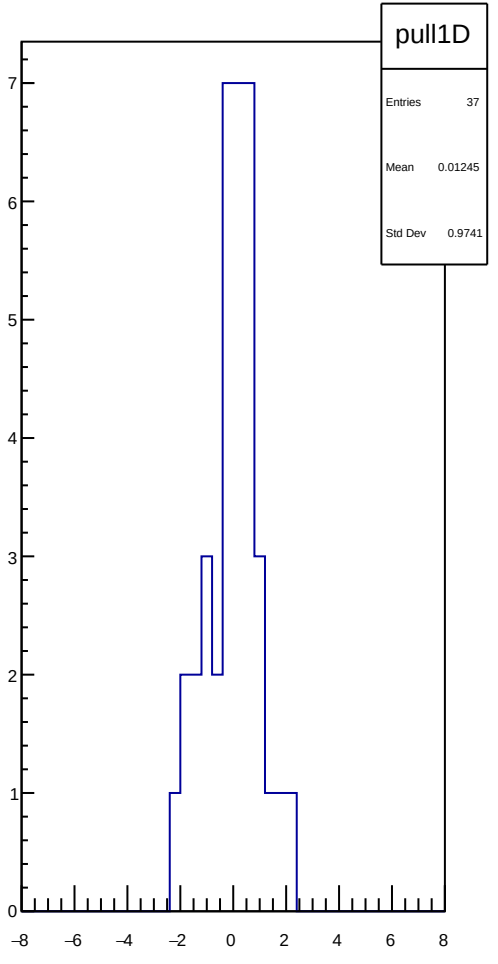

asym_us_avg_rms vs run
χ^2 / ndf 591.5 / 36
p0 1498 ± 1.712
1600
1550
1500
1450
1400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

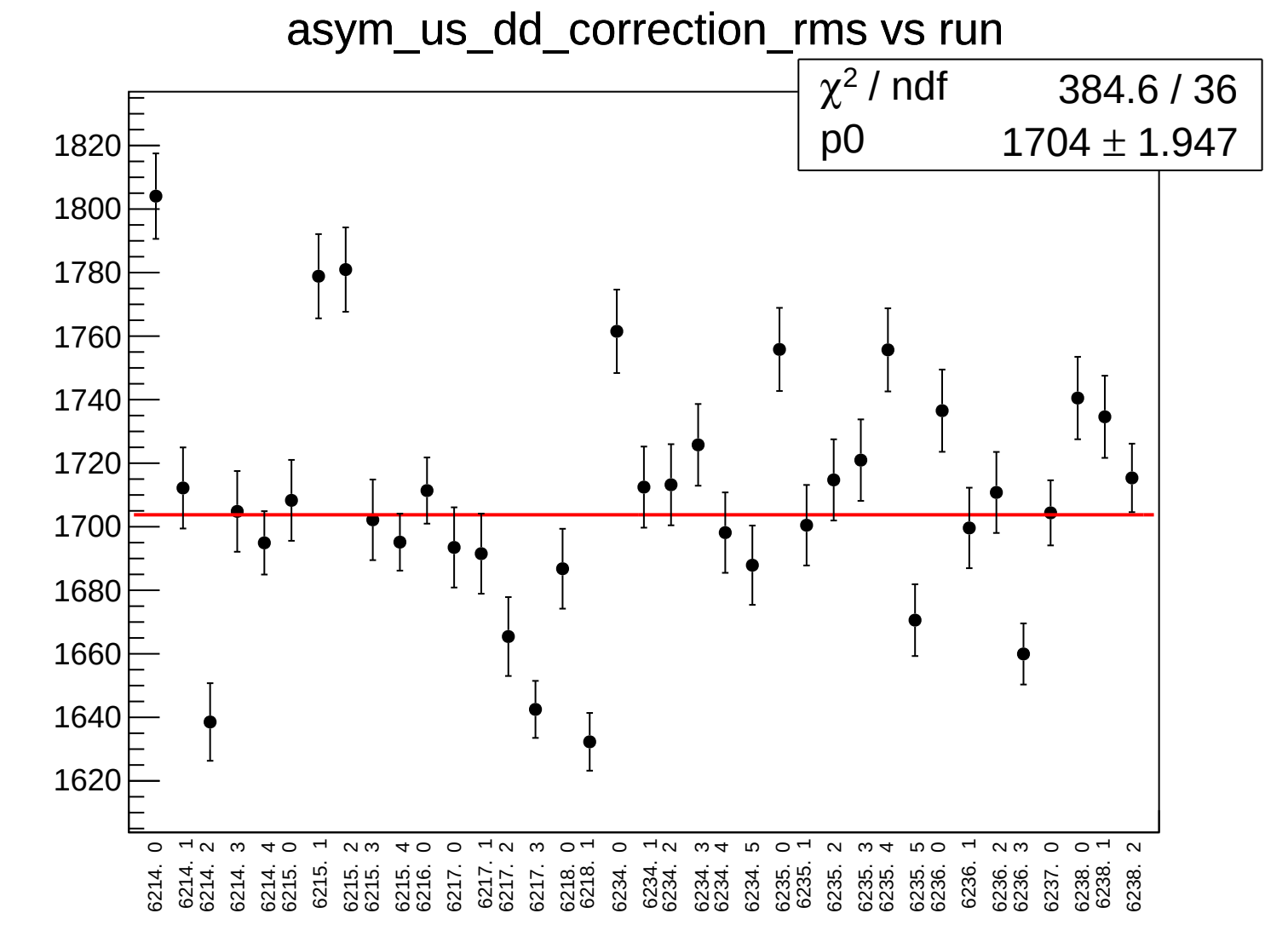

dit_asym_us_dd_mean vs run
χ² / ndf 28.57 / 36
p0 1343 ± 1314
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −30.68
Std Dev 25.39
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

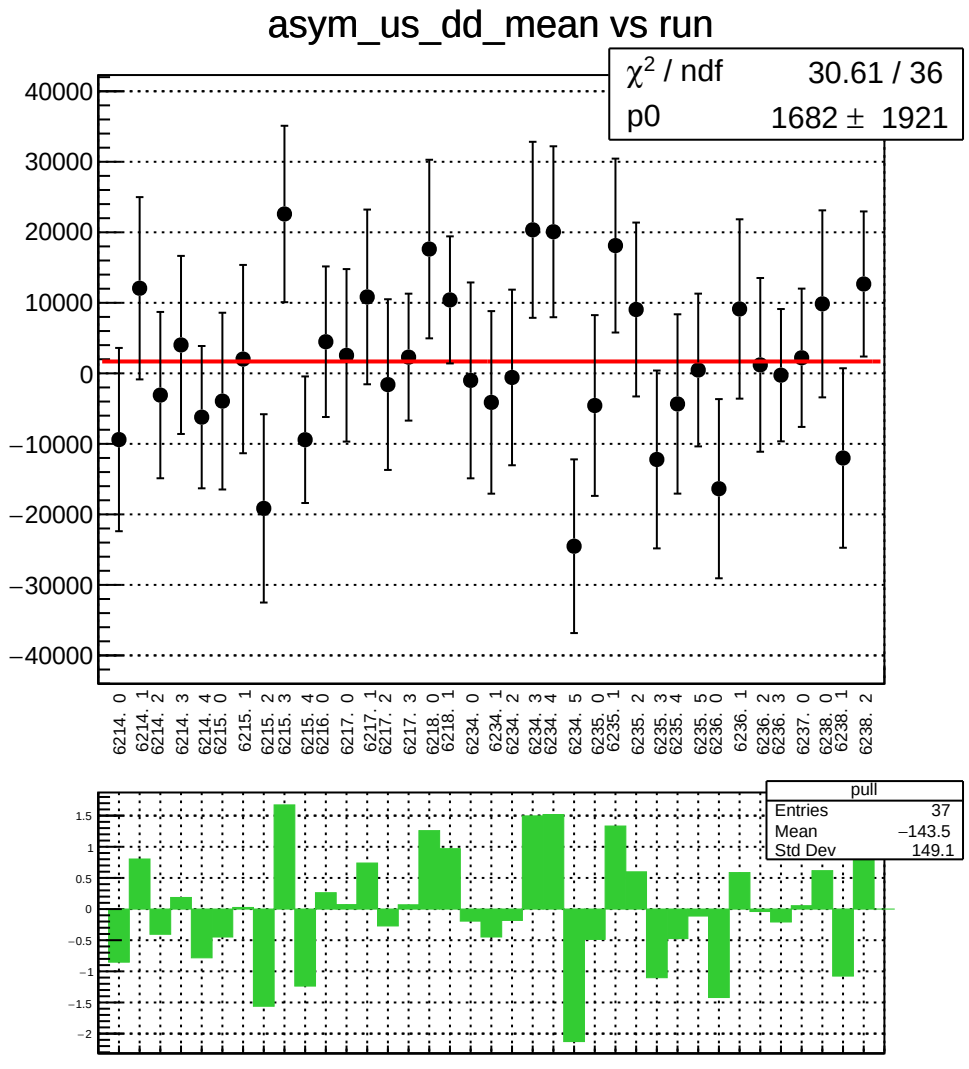

pull1D
Entries 37
Mean −0.01071
Std Dev 0.8787
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

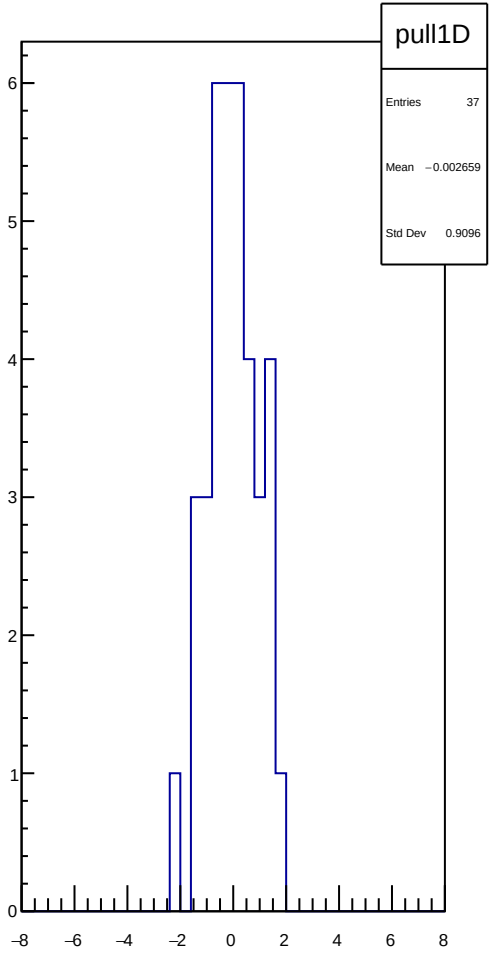

dit_asym_us_dd_rms vs run
χ² / ndf 97.54 / 36
p0 813.4 ± 0.9293
840
830
820
810
800
790
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

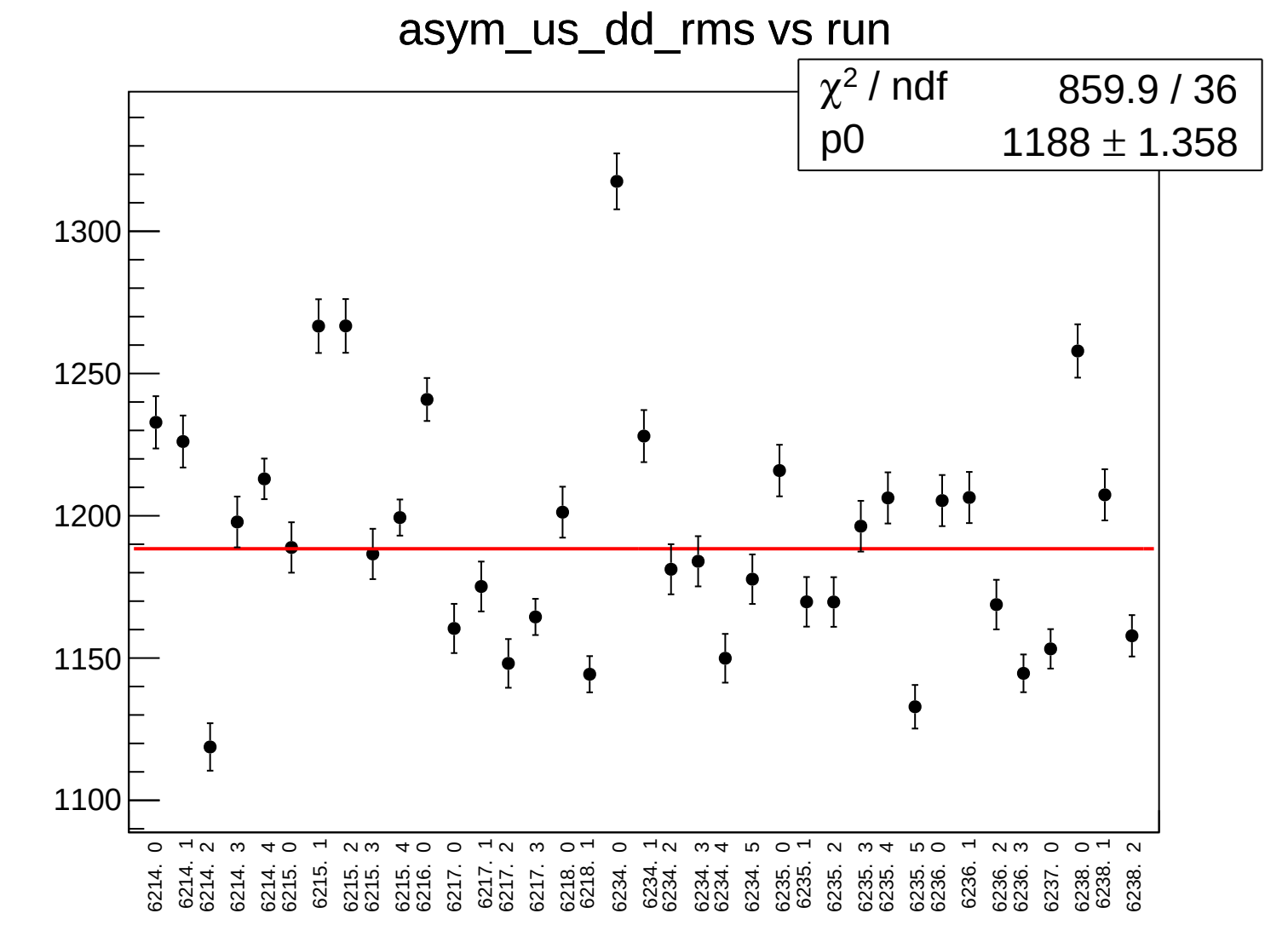

asym_us_dd_correction_mean vs run
χ² / ndf 35.11 / 36
p0 73.98 ± 2753
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 136.7
Std Dev 114.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

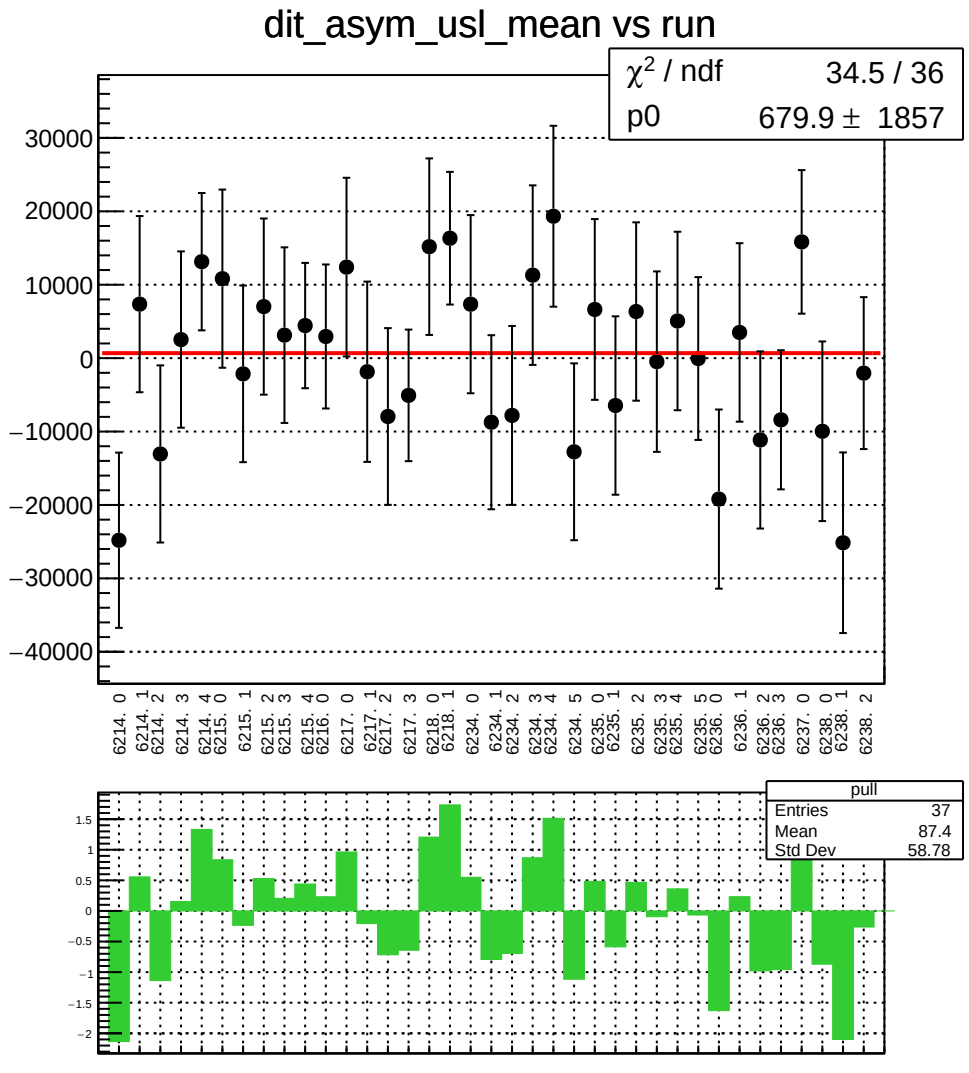

pull1D
Entries 37
Mean 0.01245
Std Dev 0.9741
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

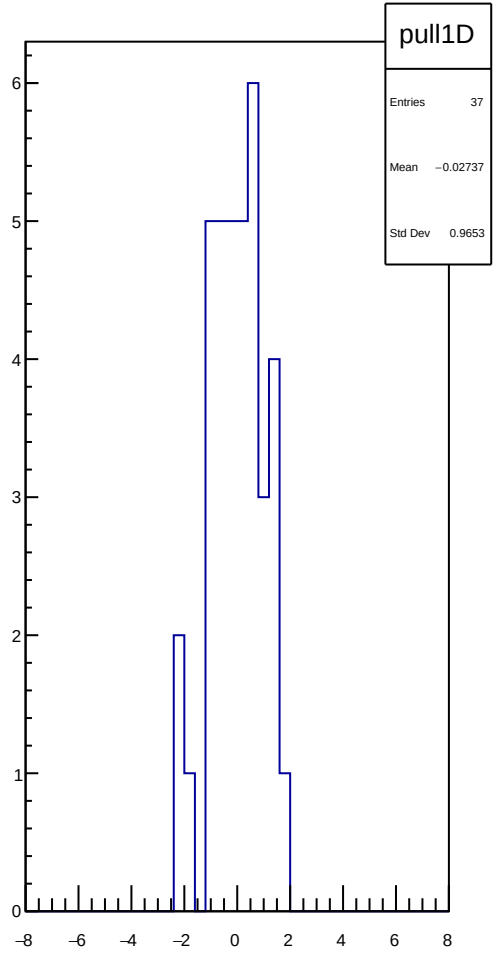

asym_us_dd_correction_rms vs run
χ² / ndf 384.6 / 36
p0 1704 ± 1.947
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640
1620
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

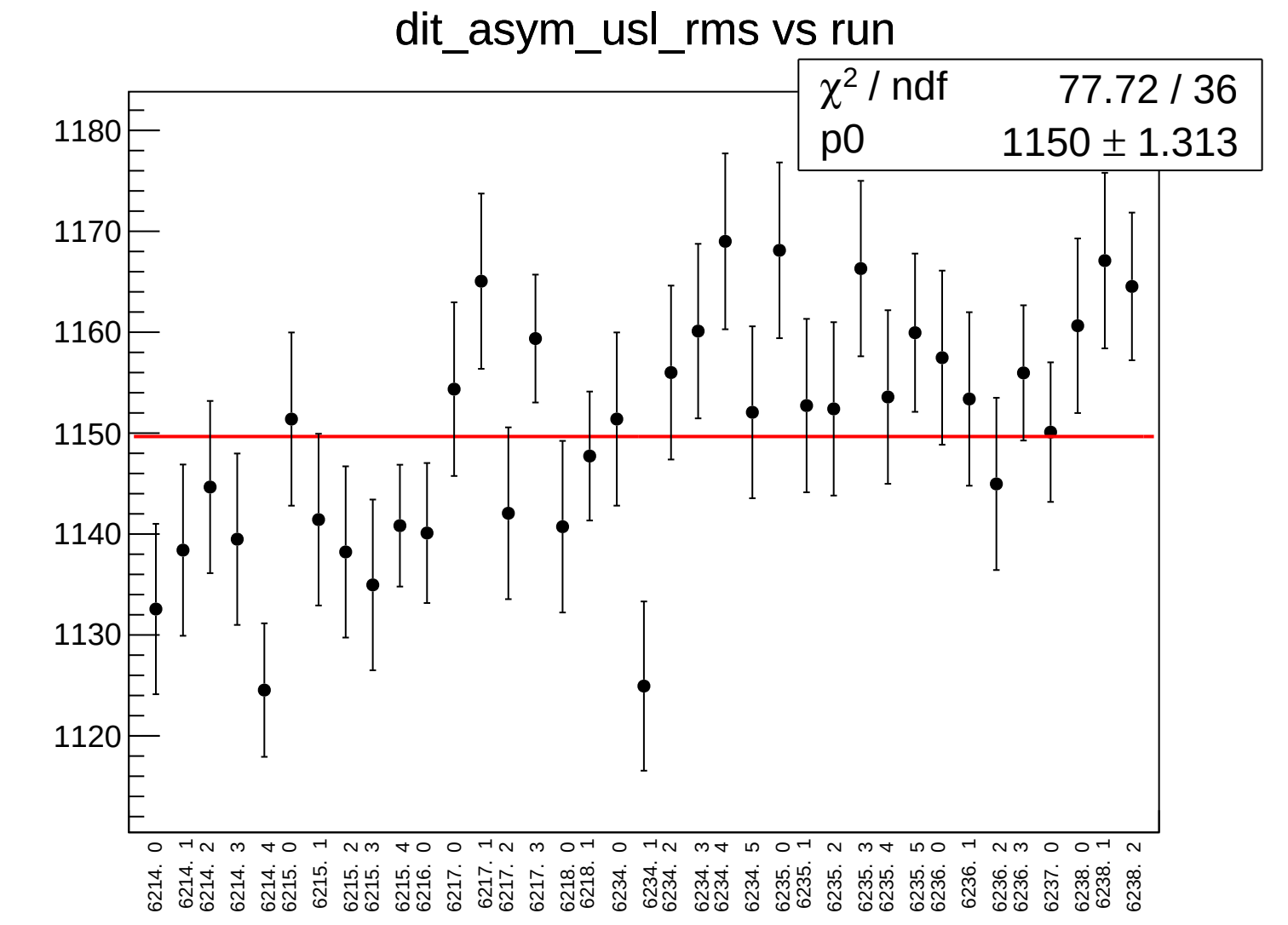

asym_us_dd_mean vs run
χ² / ndf 30.61 / 36
p0 1682 ± 1921
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −143.5
Std Dev 149.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

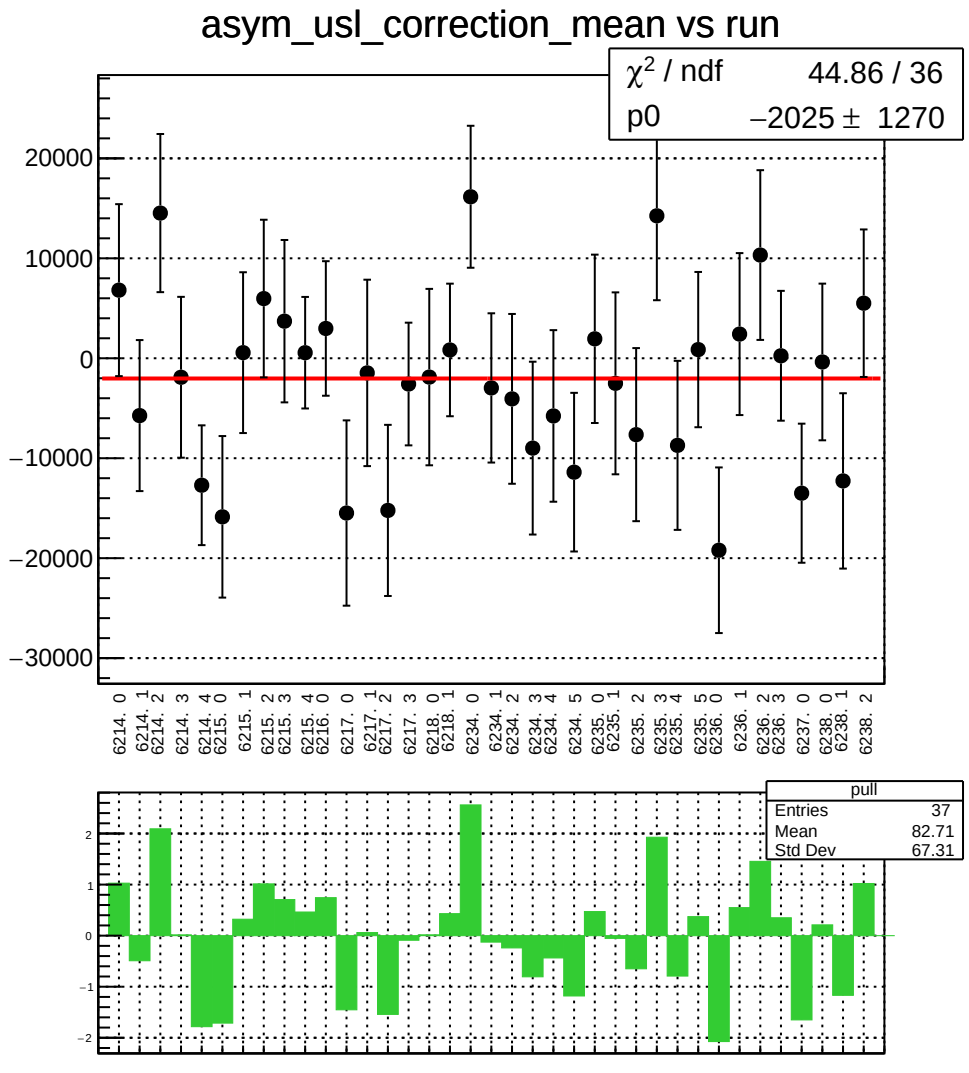

pull1D
Entries 37
Mean −0.002659
Std Dev 0.9096
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

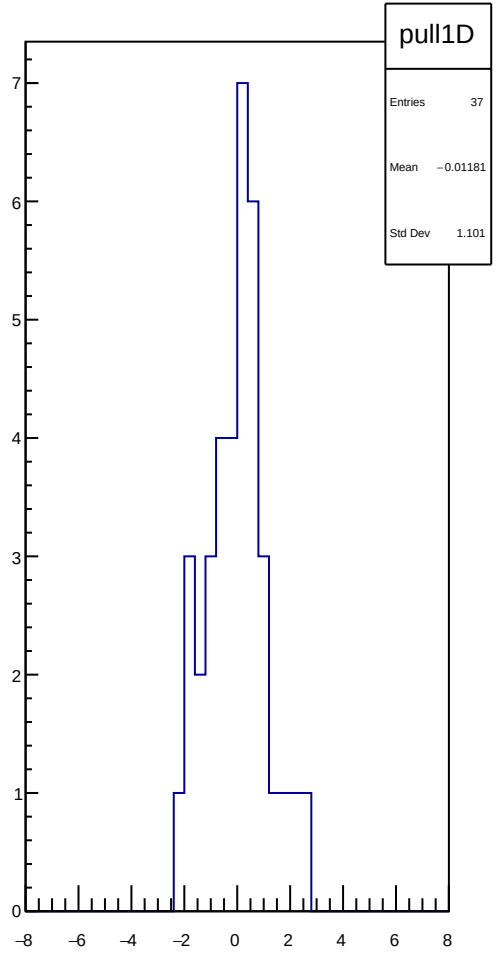

asym_us_dd_rms vs run
χ^2 / ndf 859.9 / 36
p0 1188 ± 1.358
1300
1250
1200
1150
1100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

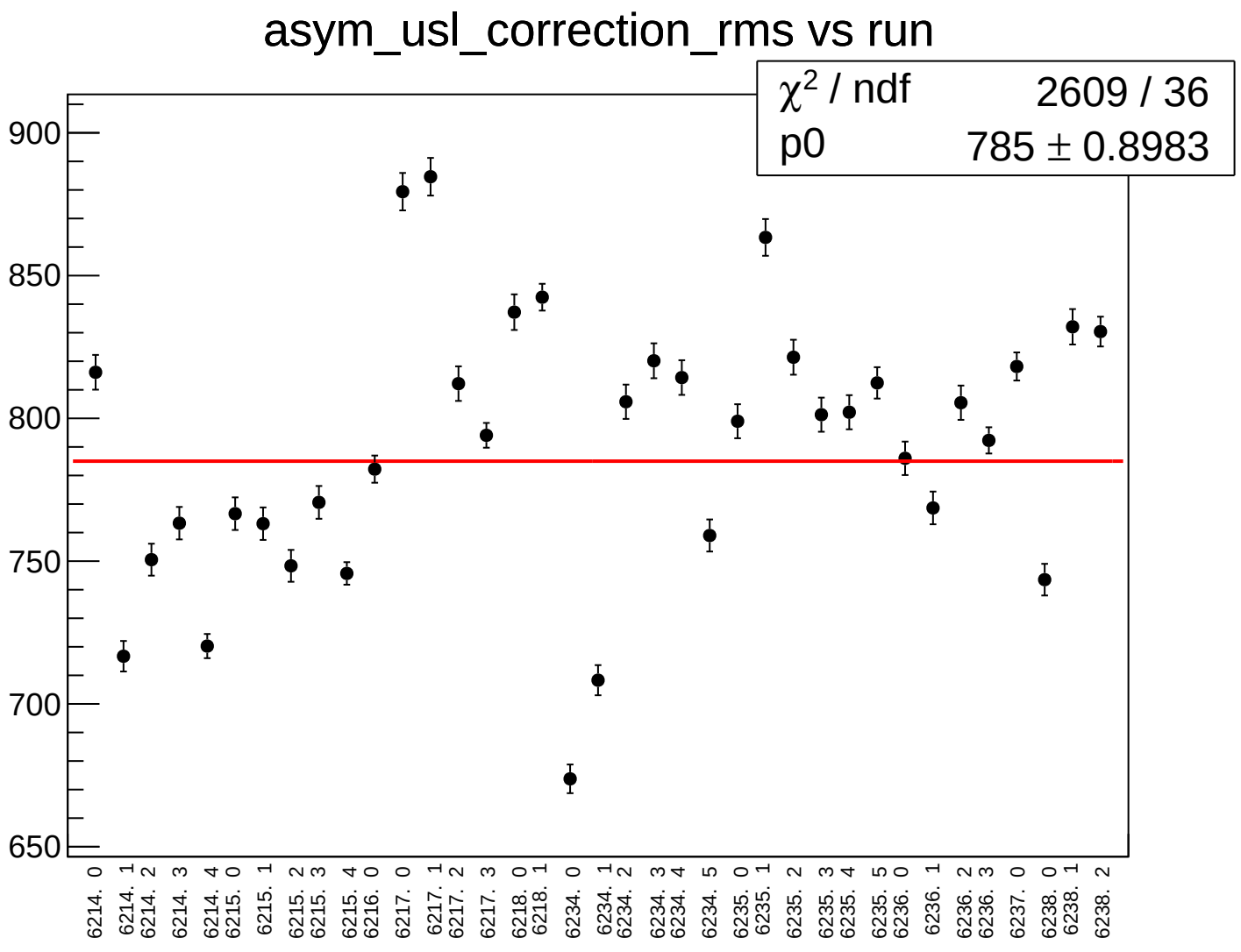

dit_asym_usl_mean vs run
χ² / ndf 34.5 / 36
p0 679.9 ± 1857
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 87.4
Std Dev 58.78
1.5
1
0.5
0
−0.5
−1
−1.5
−2

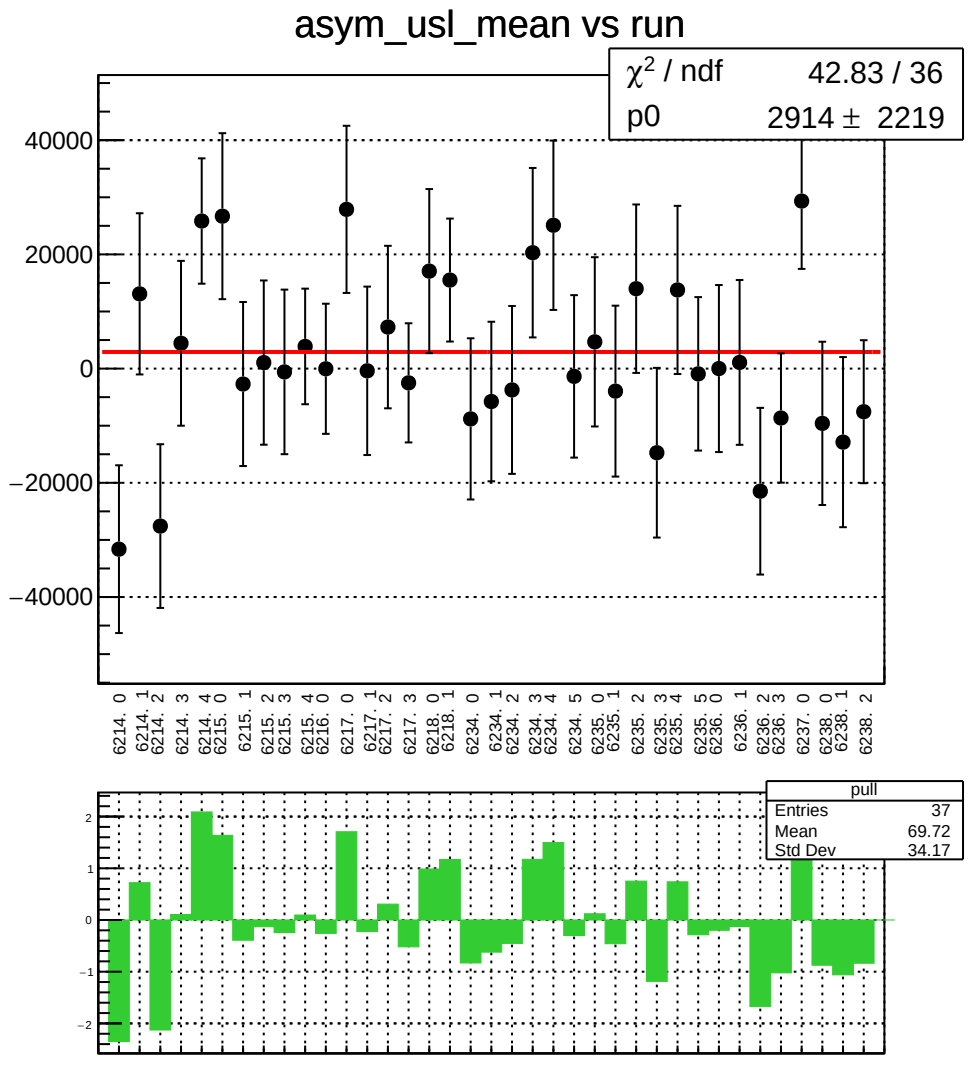

pull1D
Entries 37
Mean −0.02737
Std Dev 0.9653
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

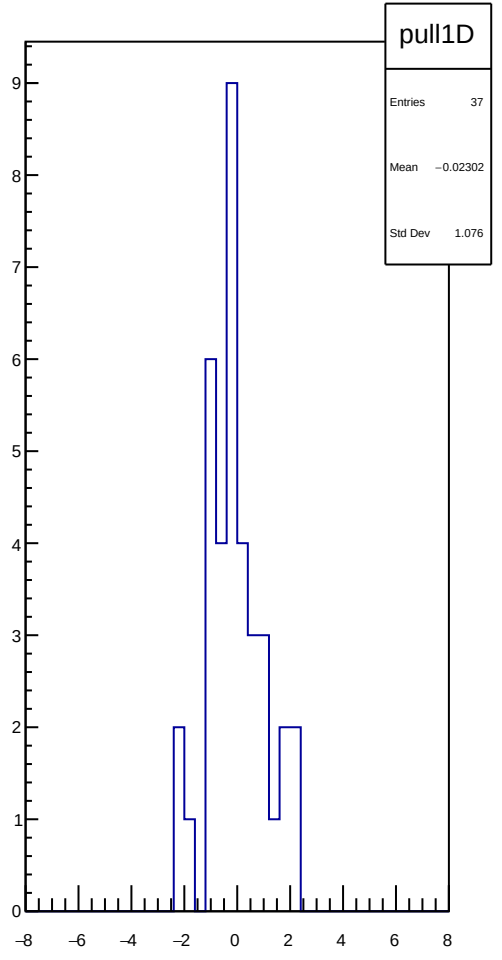

dit_asym_usl_rms vs run
χ² / ndf 77.72 / 36
p0 1150 ± 1.313
1180
1170
1160
1150
1140
1130
1120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

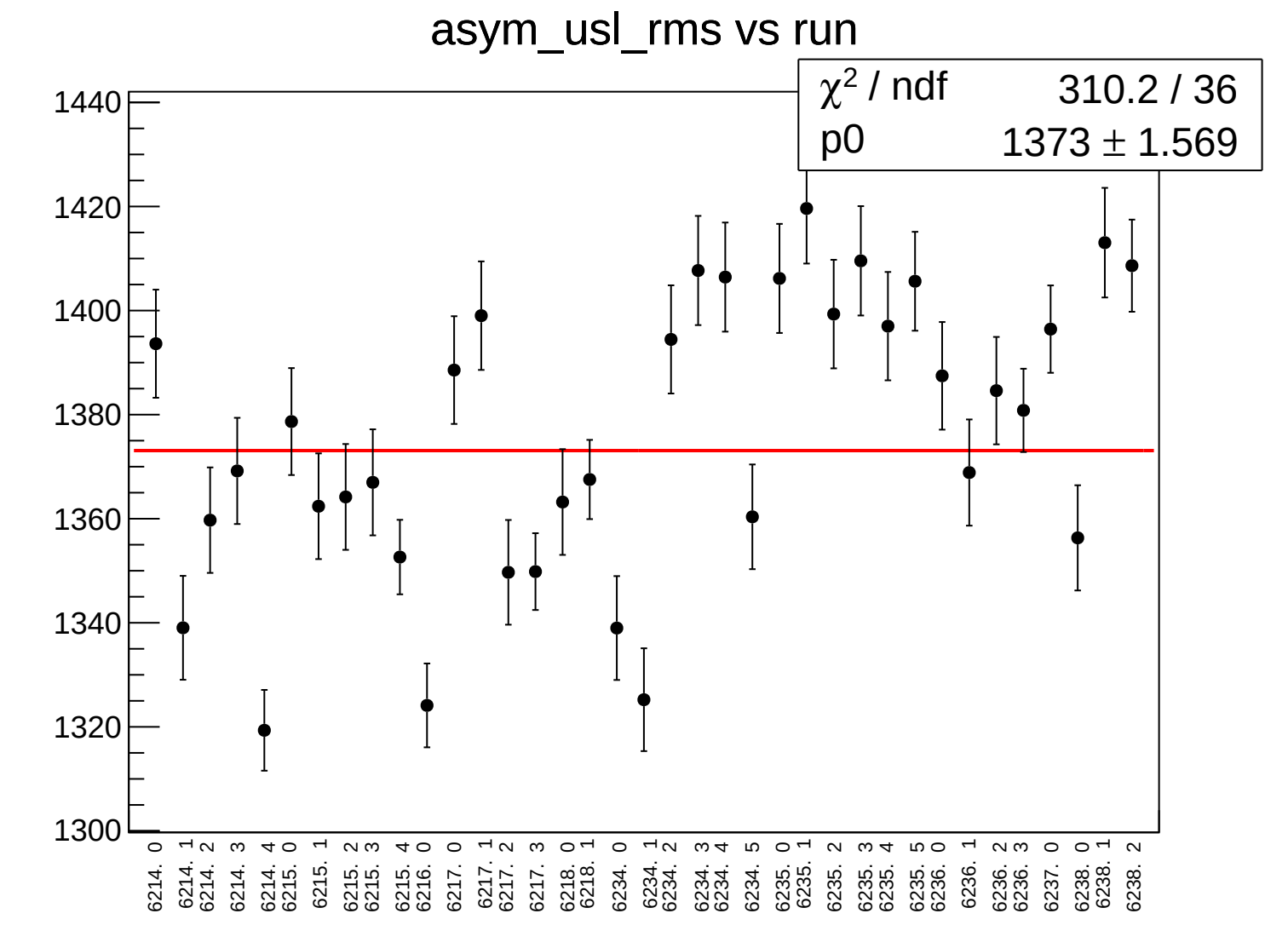

asym_usl_correction_mean vs run
χ² / ndf 44.86 / 36
p0 −2025 ± 1270
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 82.71
Std Dev 67.31
2
1
0
−1
−2

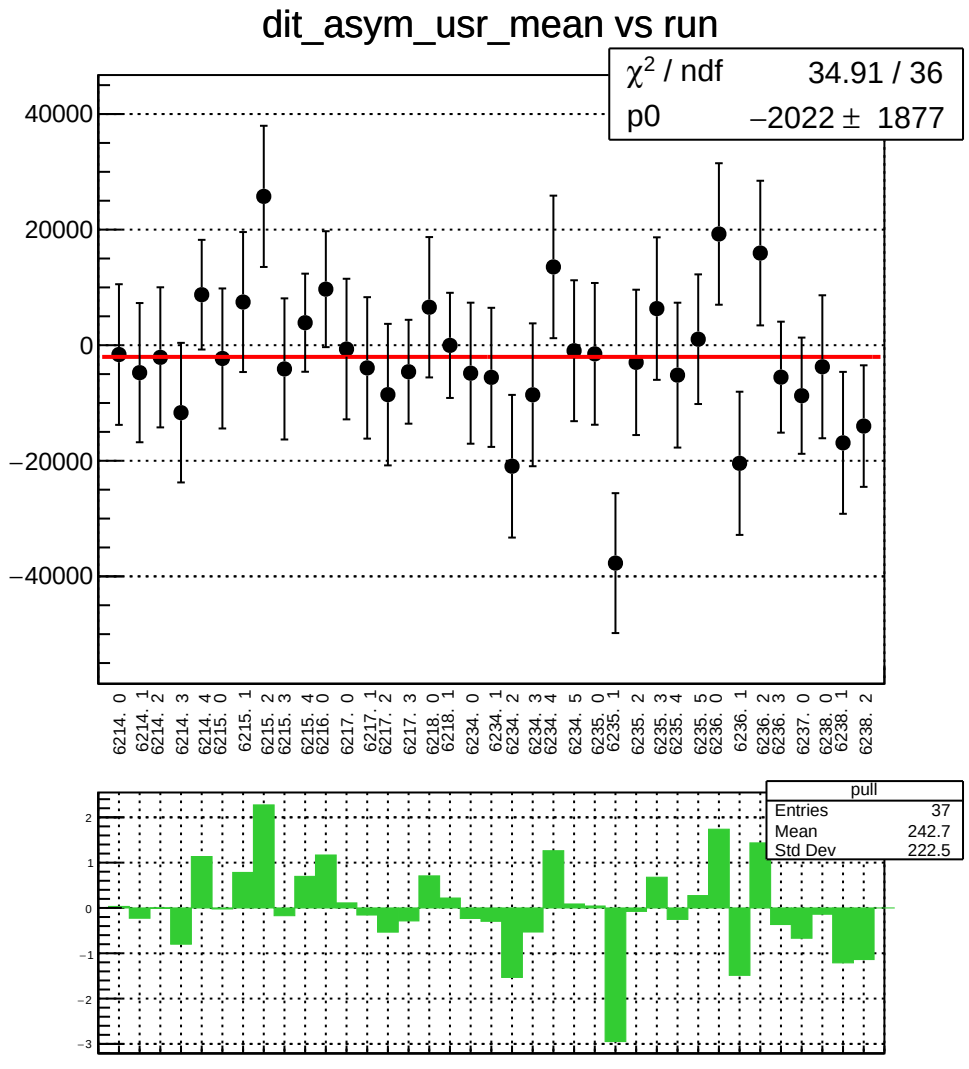

pull1D
Entries 37
Mean −0.01181
Std Dev 1.101
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

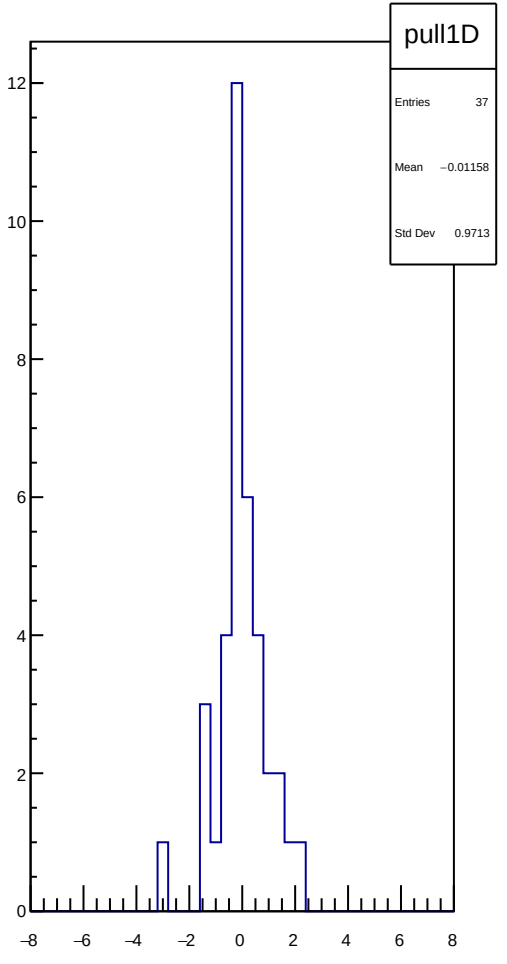

asym_usl_correction_rms vs run
χ² / ndf 2609 / 36
p0 785 ± 0.8983
900
850
800
750
700
650
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

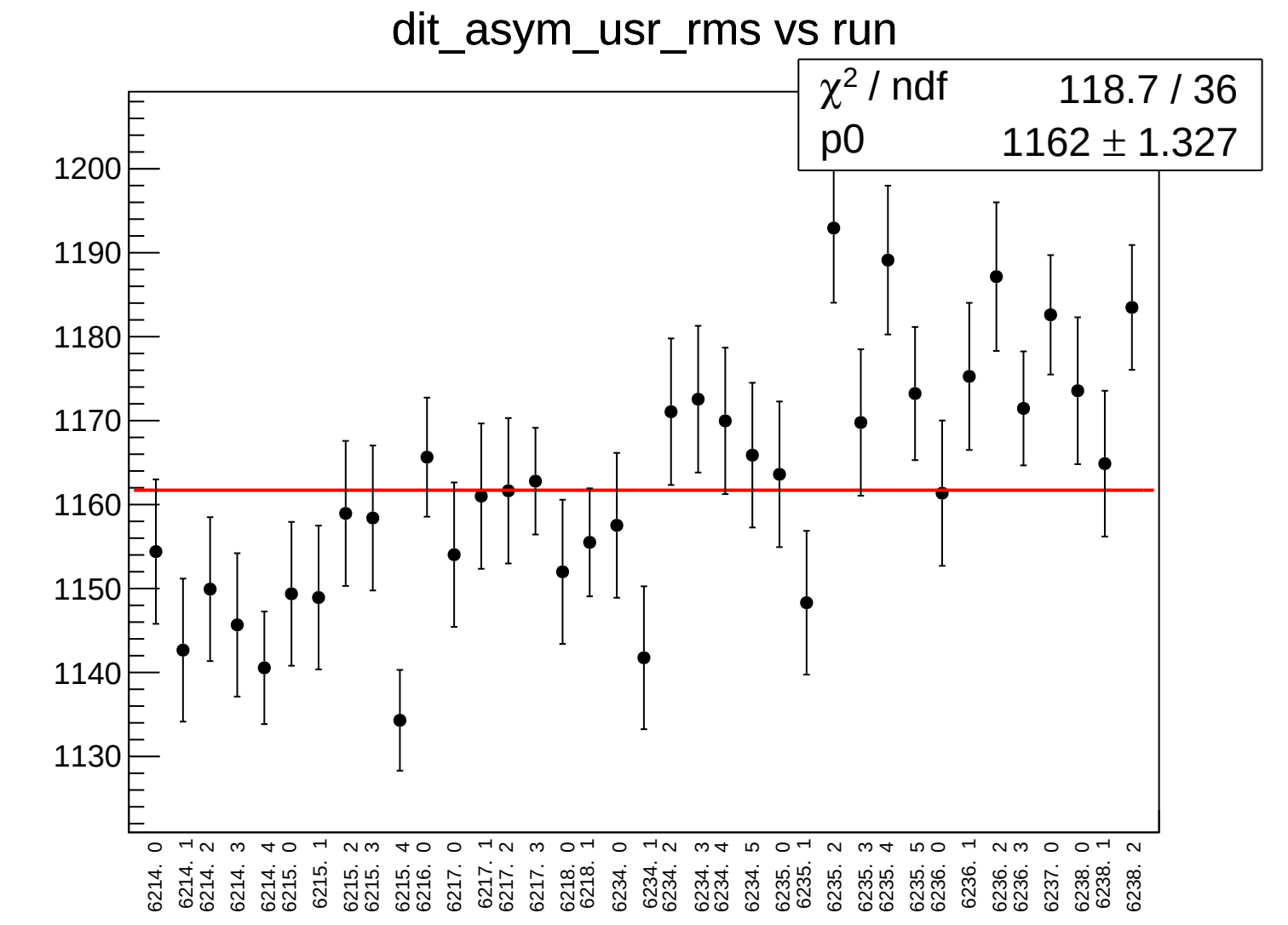

asym_usl_mean vs run
χ² / ndf 42.83 / 36
p0 2914 ± 2219
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 69.72
Std Dev 34.17
2
1
0
−1
−2

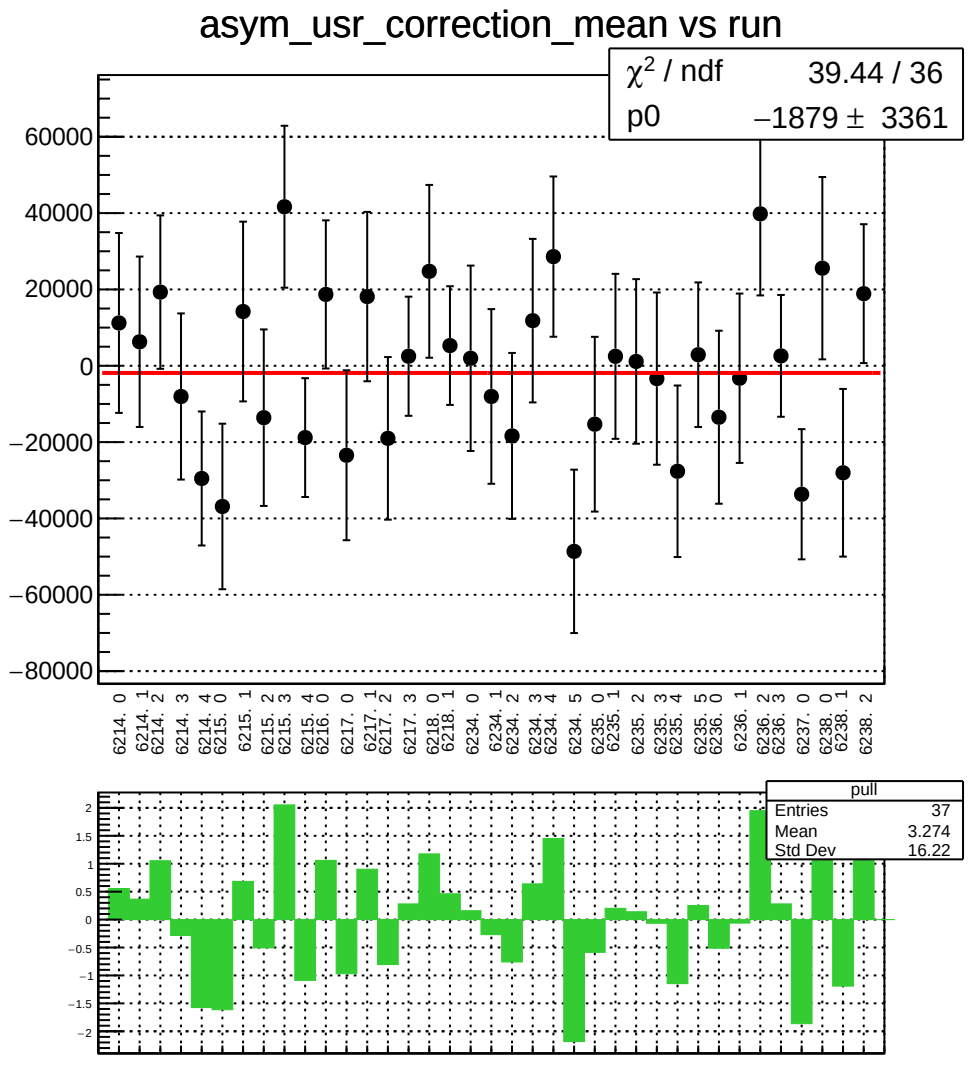

pull1D
Entries 37
Mean −0.02302
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

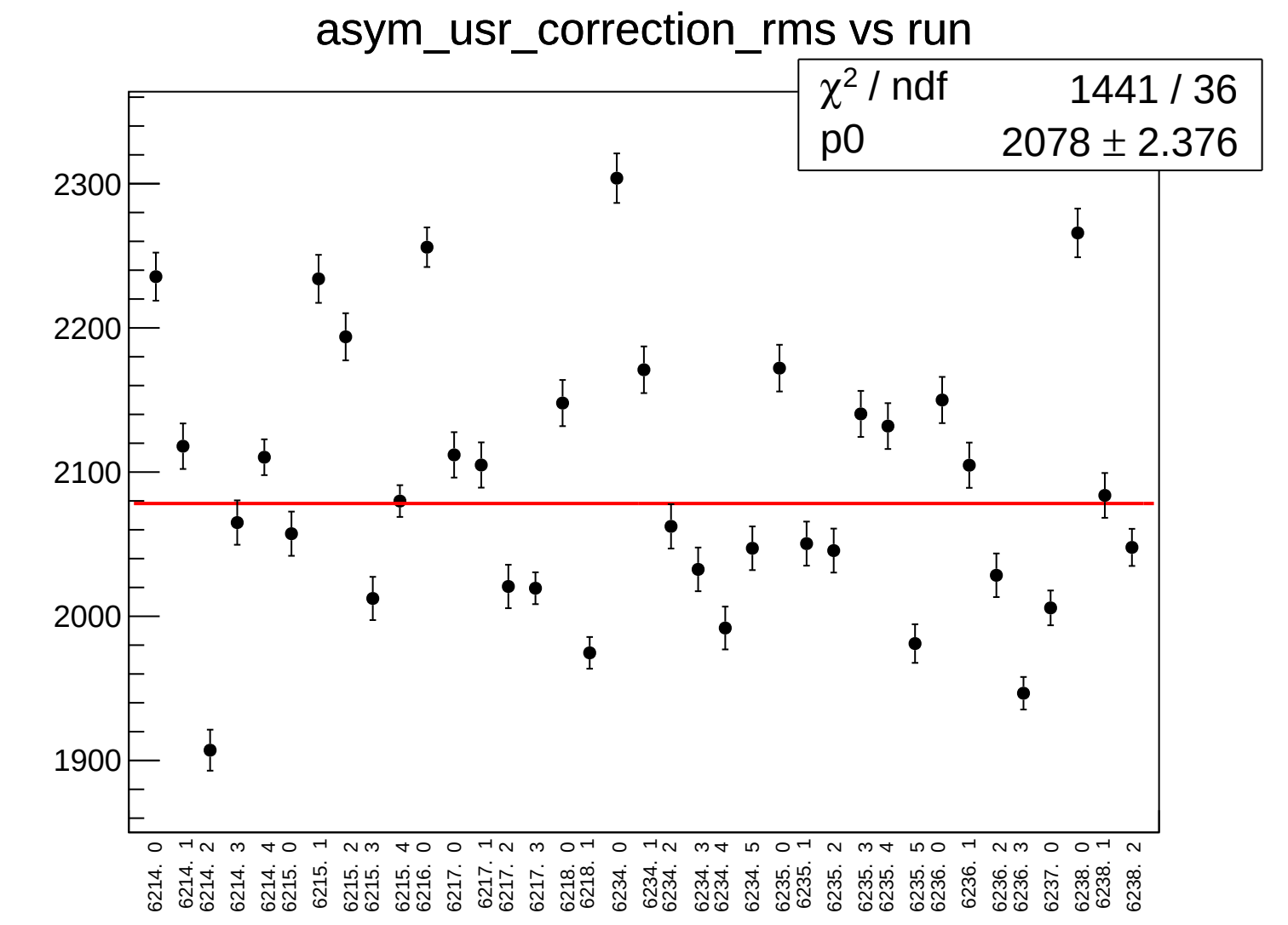

asym_usl_rms vs run
χ² / ndf 310.2 / 36
p0 1373 ± 1.569
1440
1420
1400
1380
1360
1340
1320
1300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

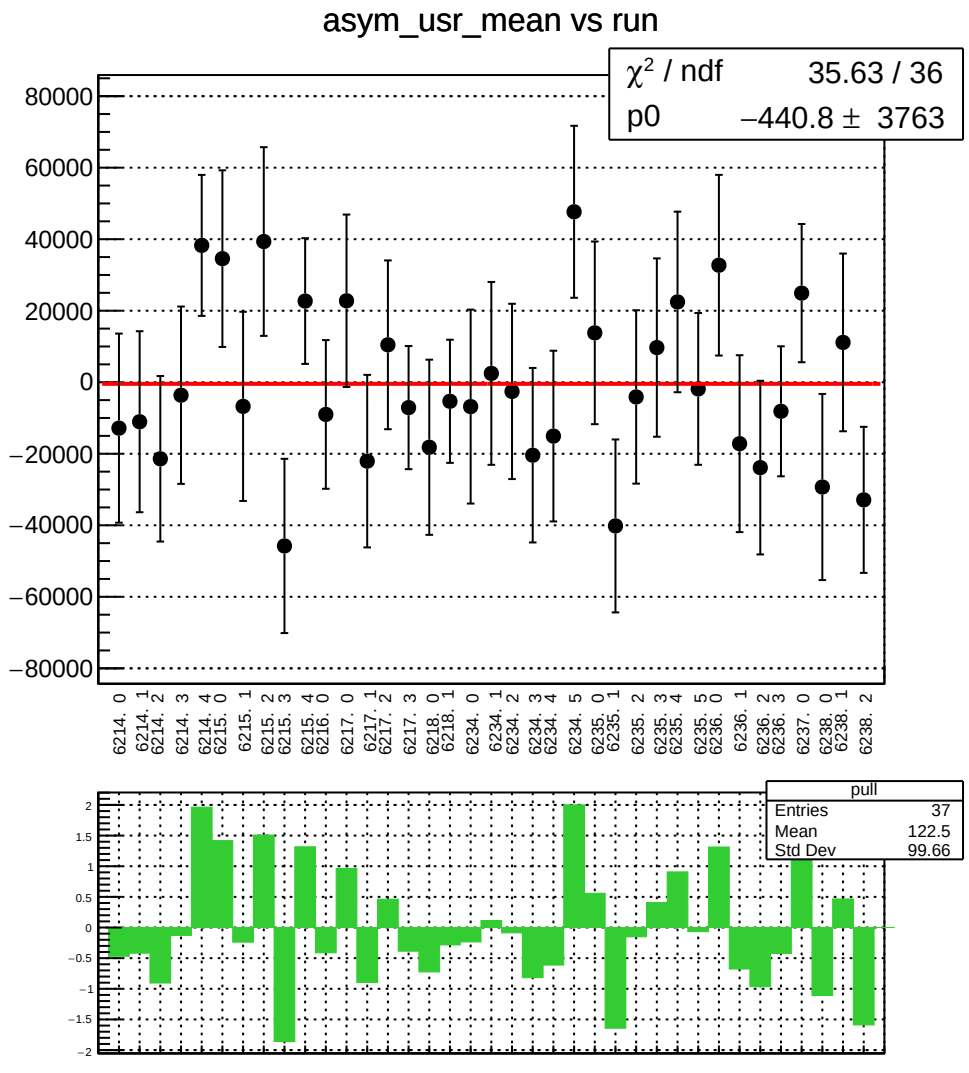

dit_asym_usr_mean vs run
χ² / ndf 34.91 / 36
p0 −2022 ± 1877
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 242.7
Std Dev 222.5
2
1
0
−1
−2
−3

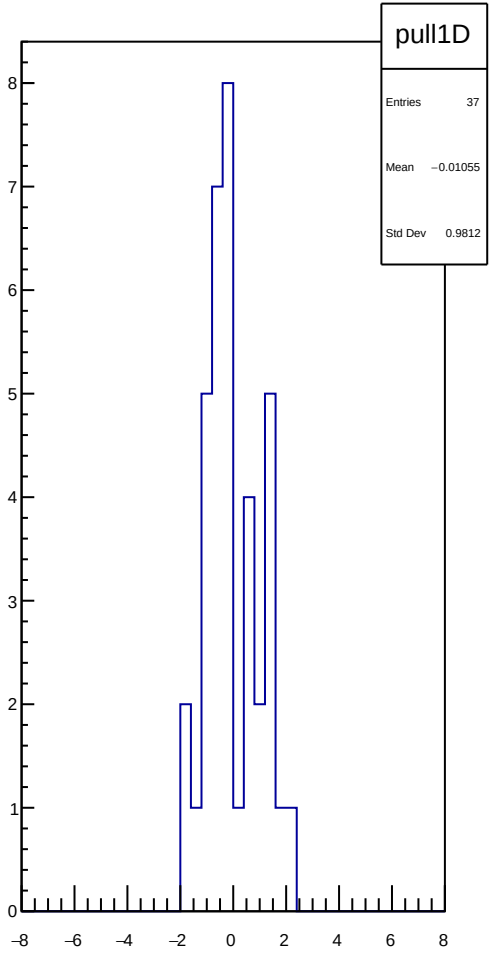

pull1D
Entries 37
Mean −0.01158
Std Dev 0.9713
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

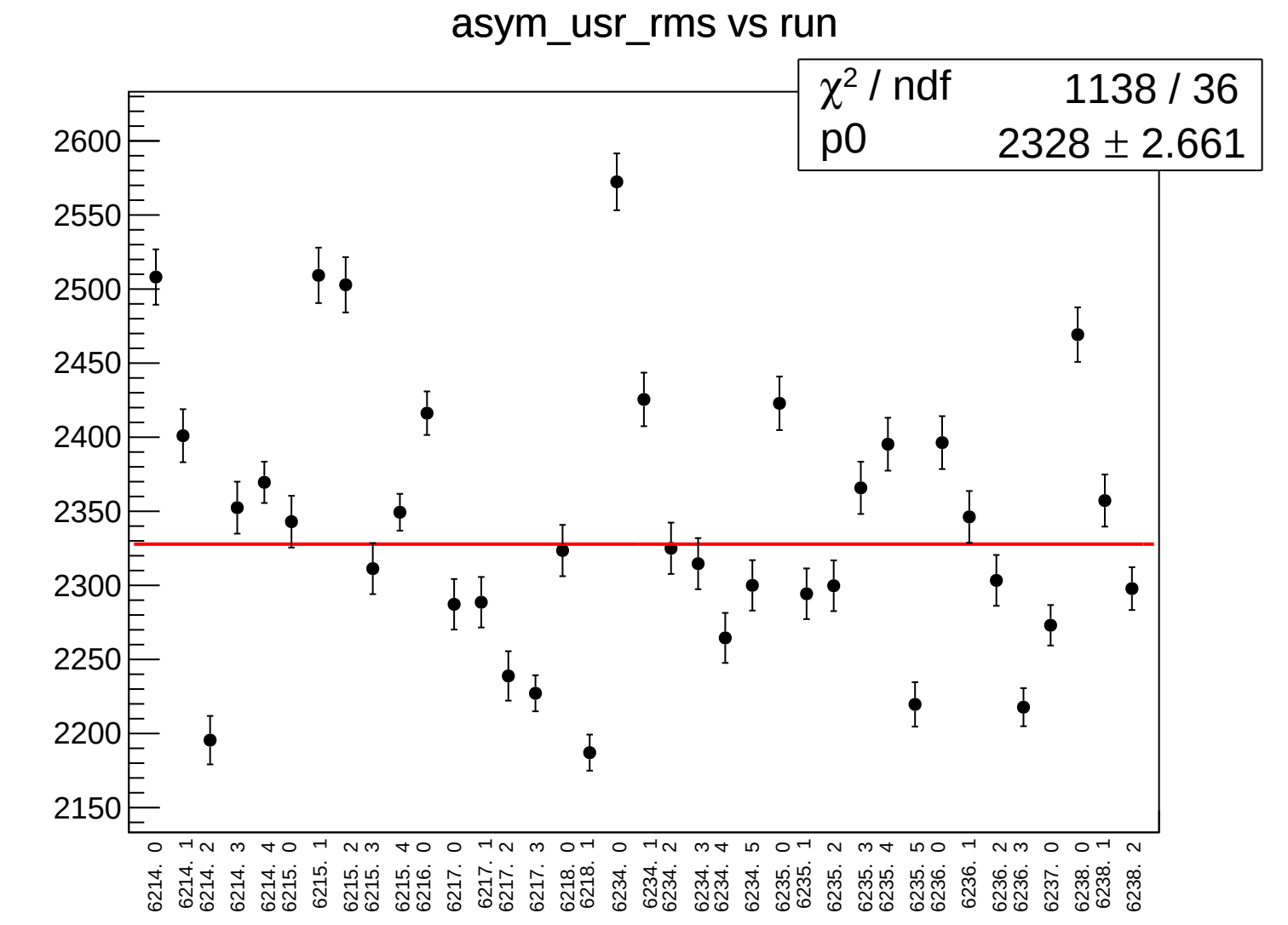

dit_asym_usr_rms vs run
χ² / ndf 118.7 / 36
p0 1162 ± 1.327
1200
1190
1180
1170
1160
1150
1140
1130
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

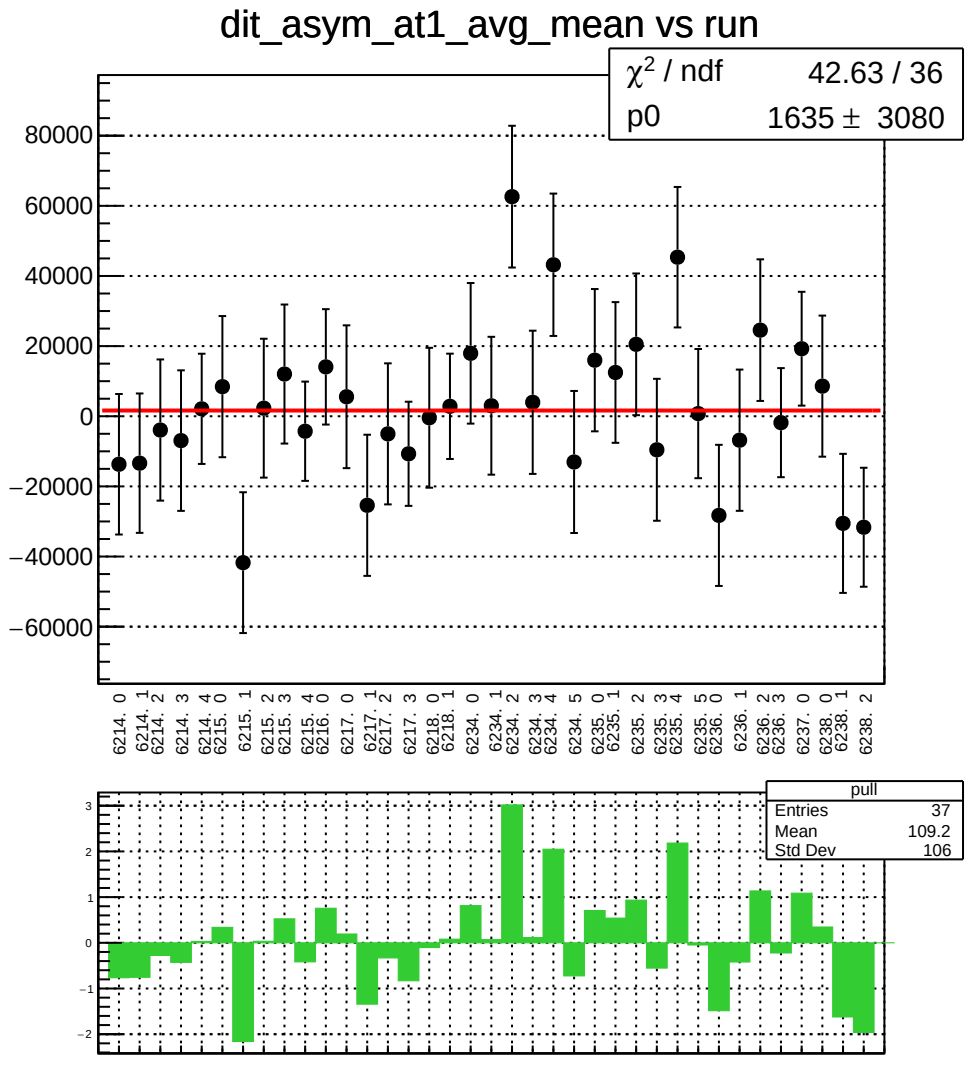

asym_usr_correction_mean vs run
χ² / ndf 39.44 / 36
p0 −1879 ± 3361
60000
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 3.274
Std Dev 16.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01291
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

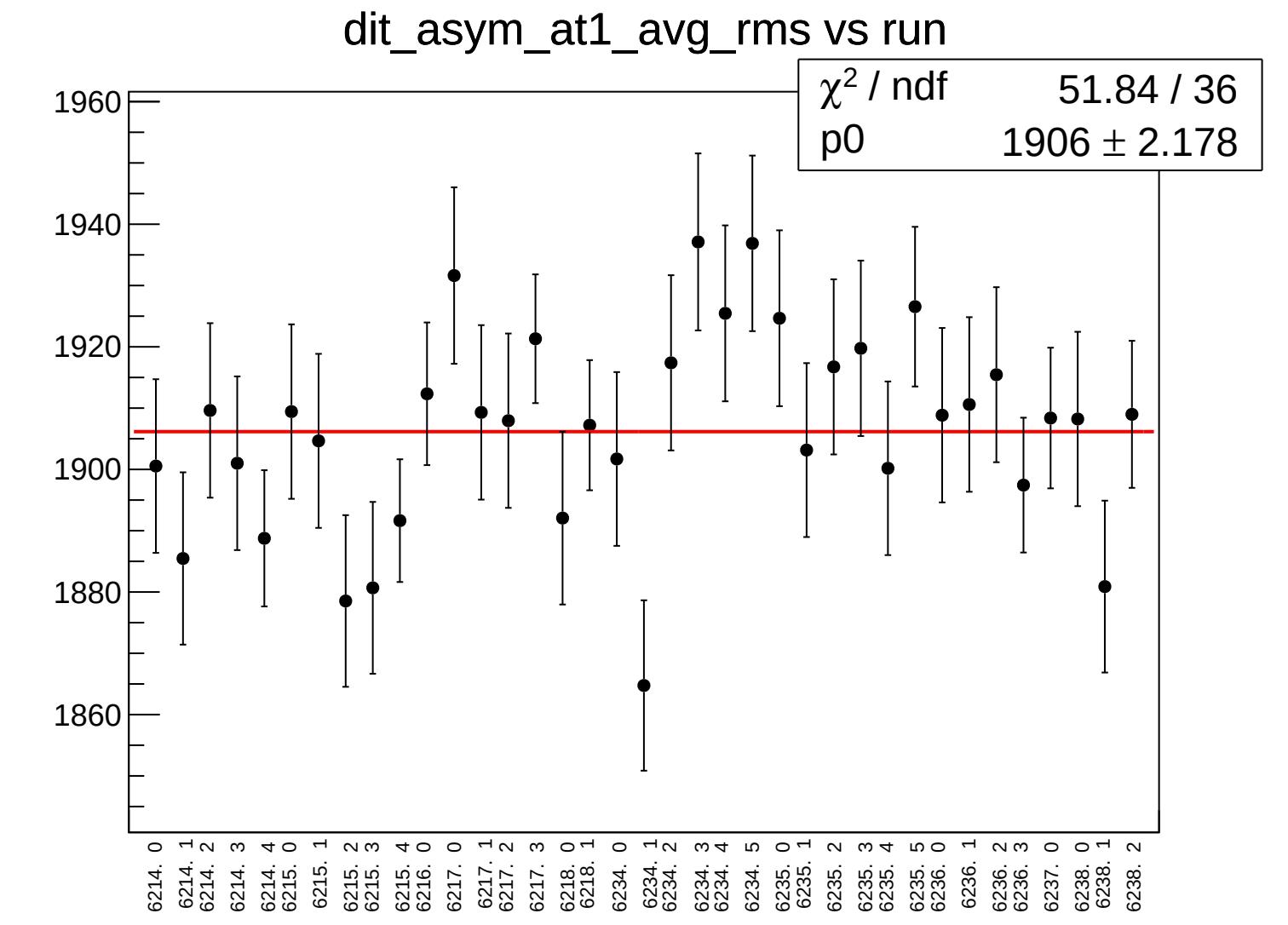

asym_usr_correction_rms vs run
χ² / ndf 1441 / 36
p0 2078 ± 2.376
2300
2200
2100
2000
1900
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

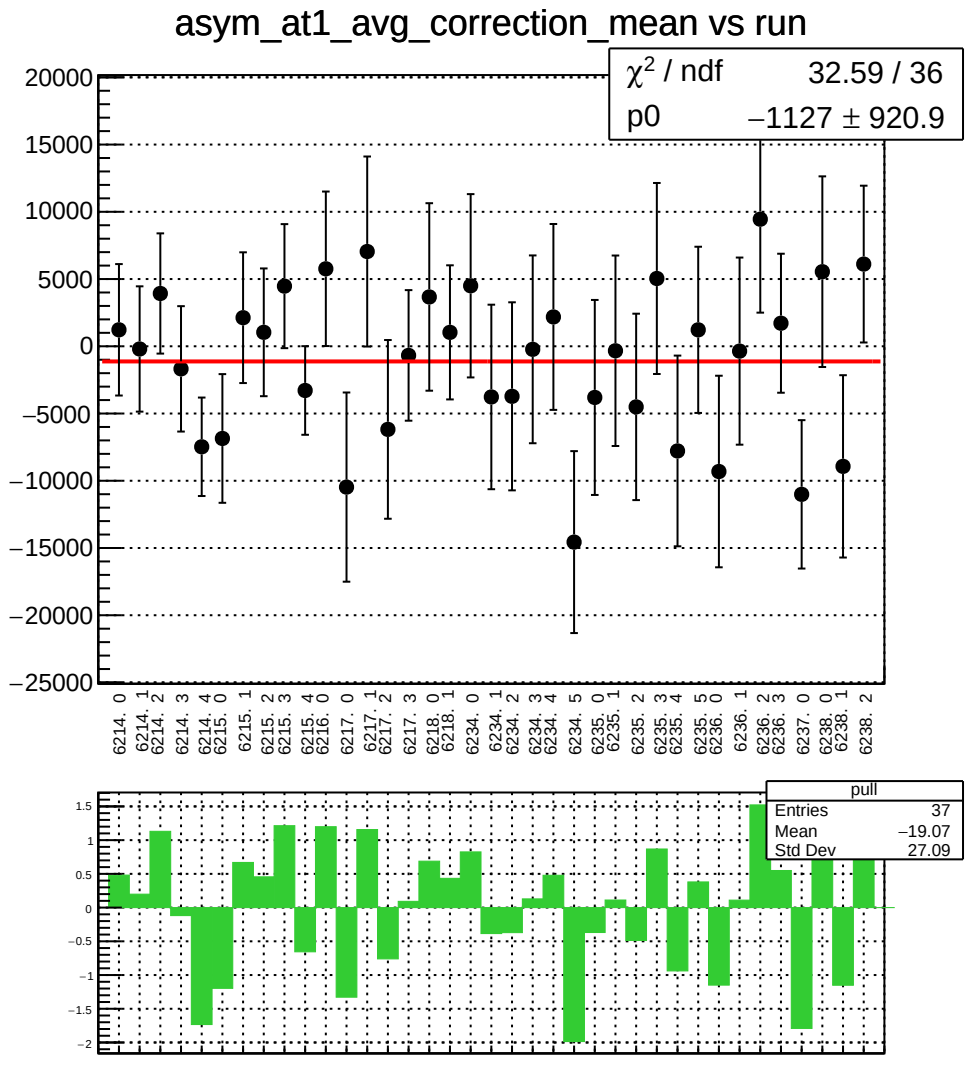

asym_usr_mean vs run
χ² / ndf 35.63 / 36
p0 −440.8 ± 3763
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 122.5
Std Dev 99.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

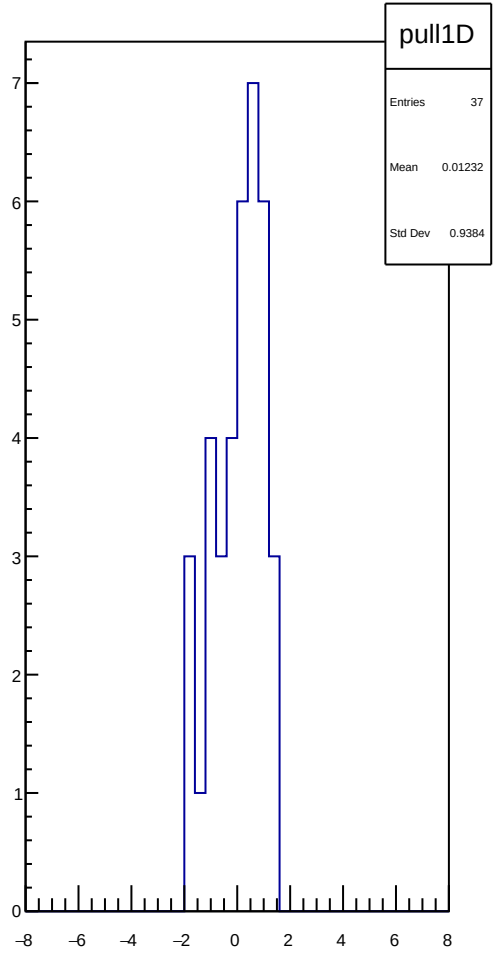

pull1D
Entries 37
Mean −0.01055
Std Dev 0.9812
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

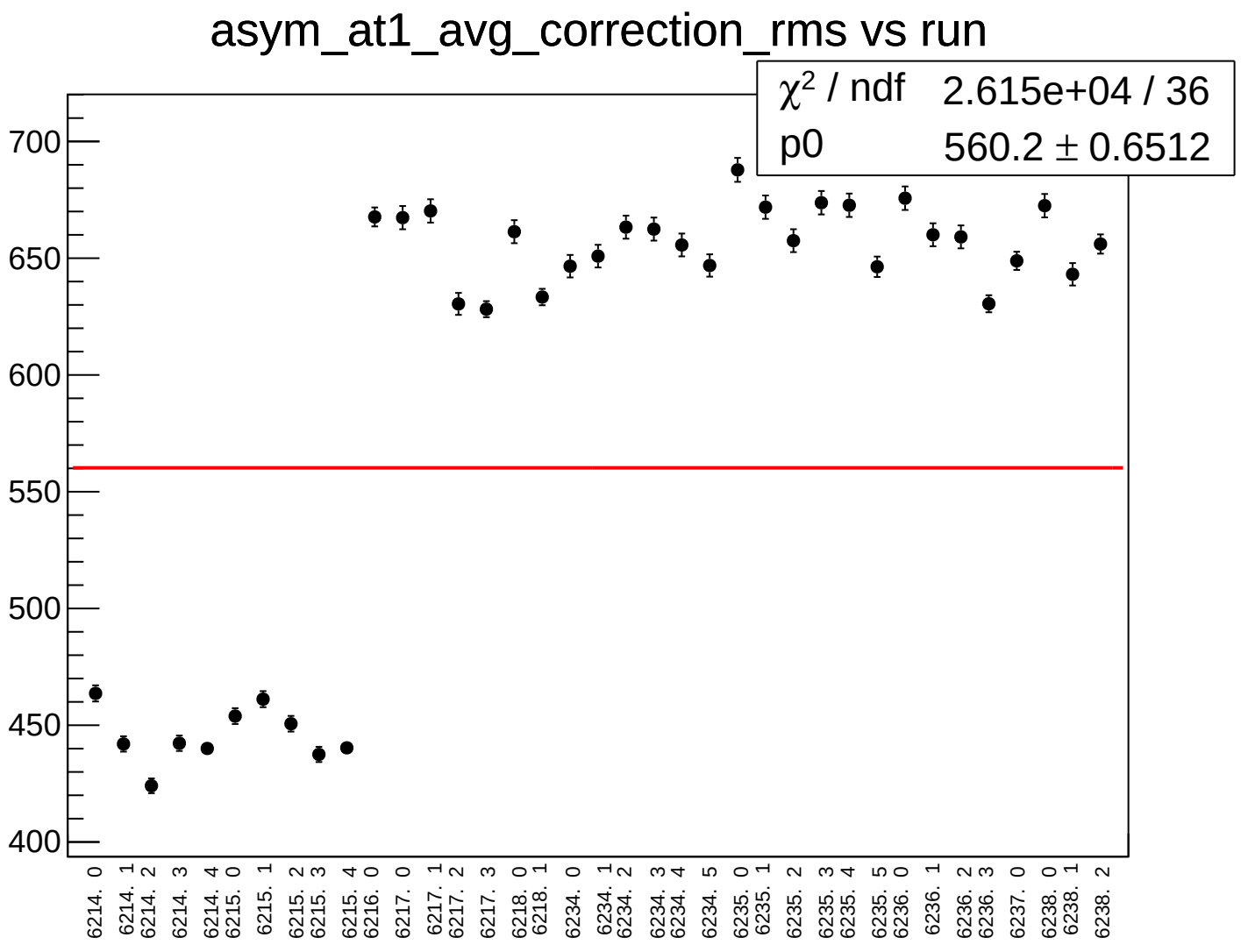

asym_usr_rms vs run
χ² / ndf 1138 / 36
p0 2328 ± 2.661
2600
2550
2500
2450
2400
2350
2300
2250
2200
2150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

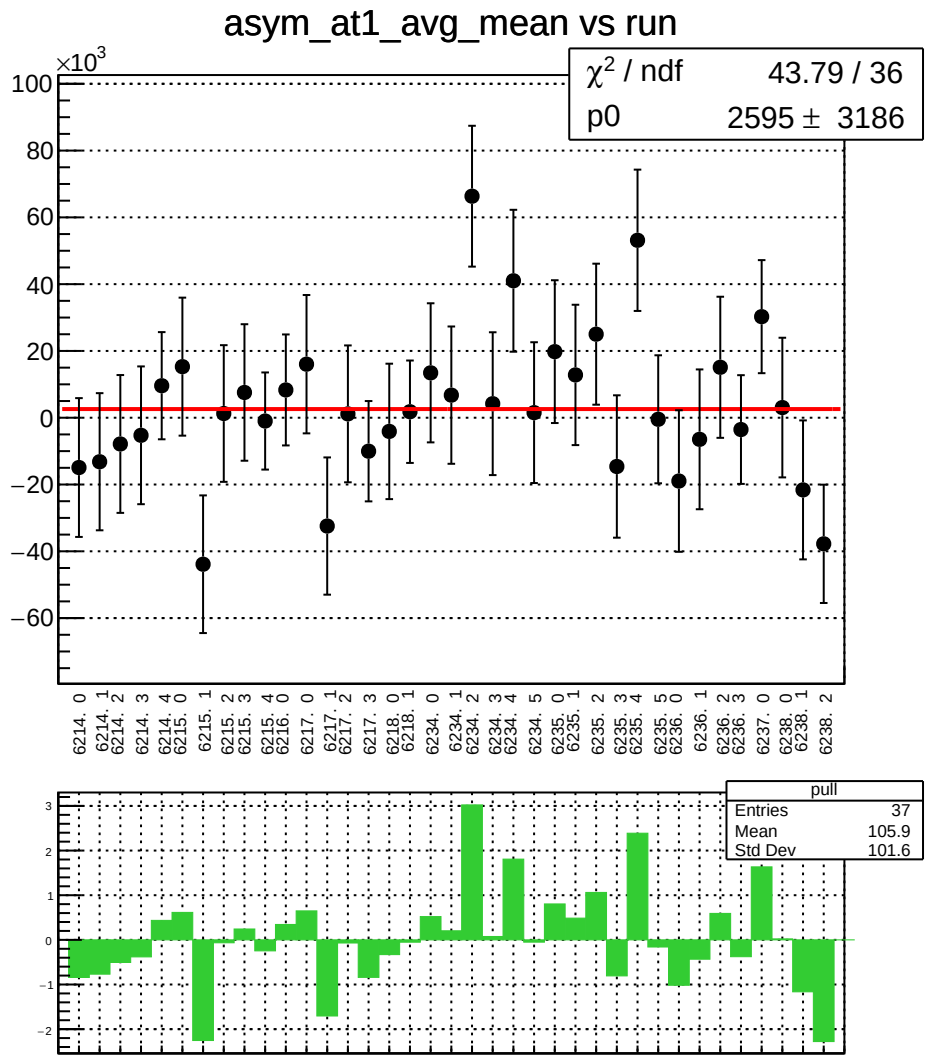

dit_asym_at1_avg_mean vs run
χ² / ndf 42.63 / 36
p0 1635 ± 3080
80000
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 109.2
Std Dev 106
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01353
Std Dev 1.073
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

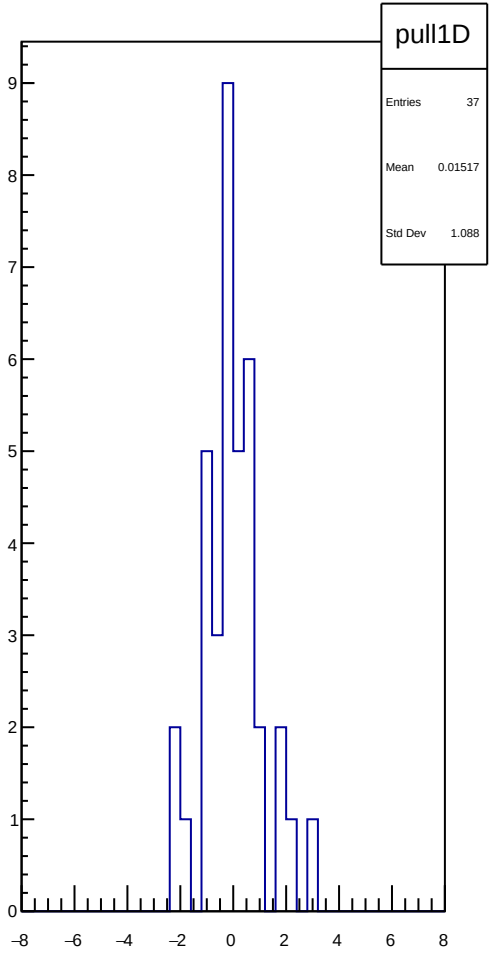

dit_asym_at1_avg_rms vs run
χ² / ndf 51.84 / 36
p0 1906 ± 2.178
1960
1940
1920
1900
1880
1860
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

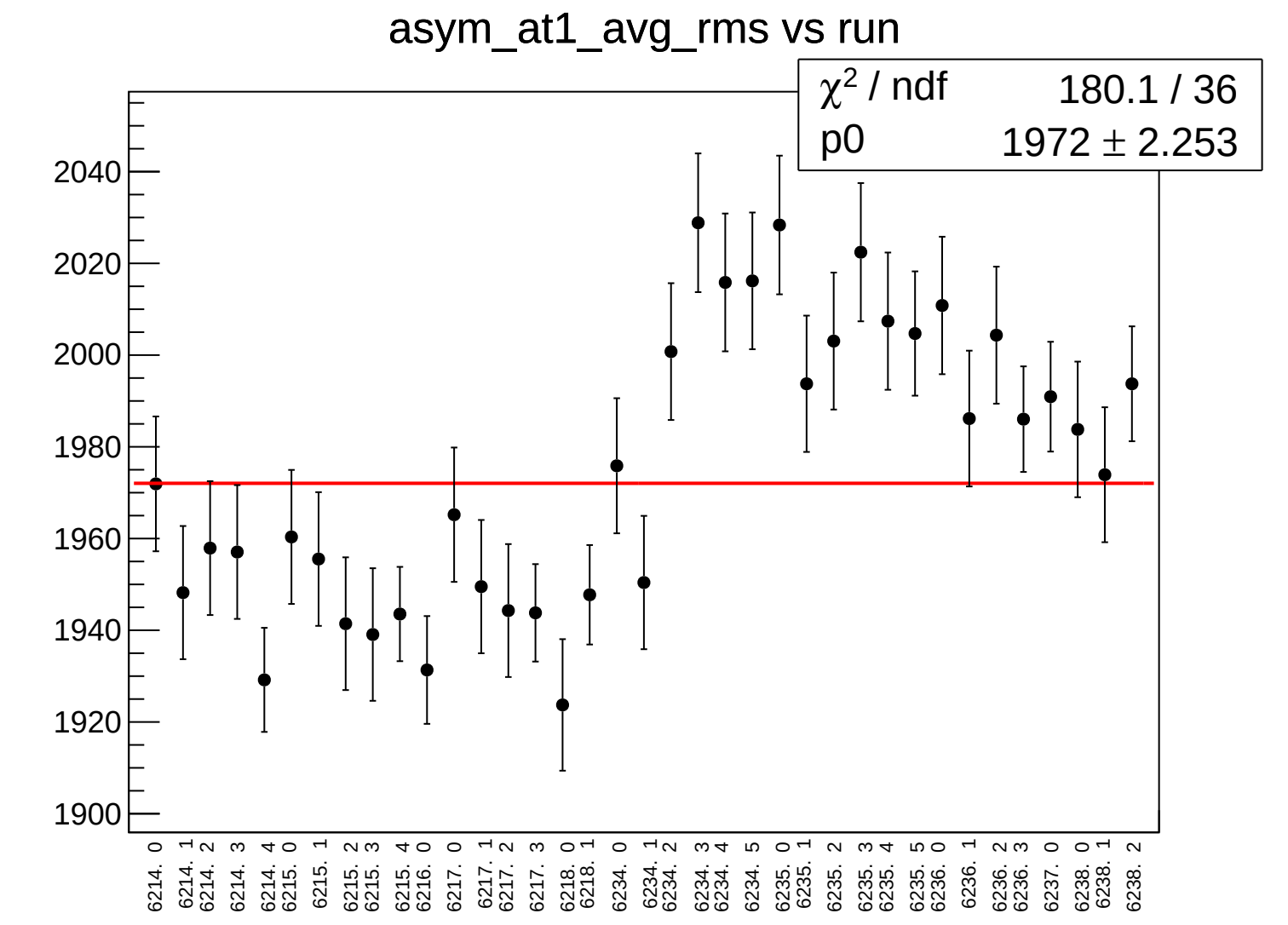

asym_at1_avg_correction_mean vs run
χ² / ndf 32.59 / 36
p0 −1127 ± 920.9
pull
Entries 37
Mean −19.07
Std Dev 27.09

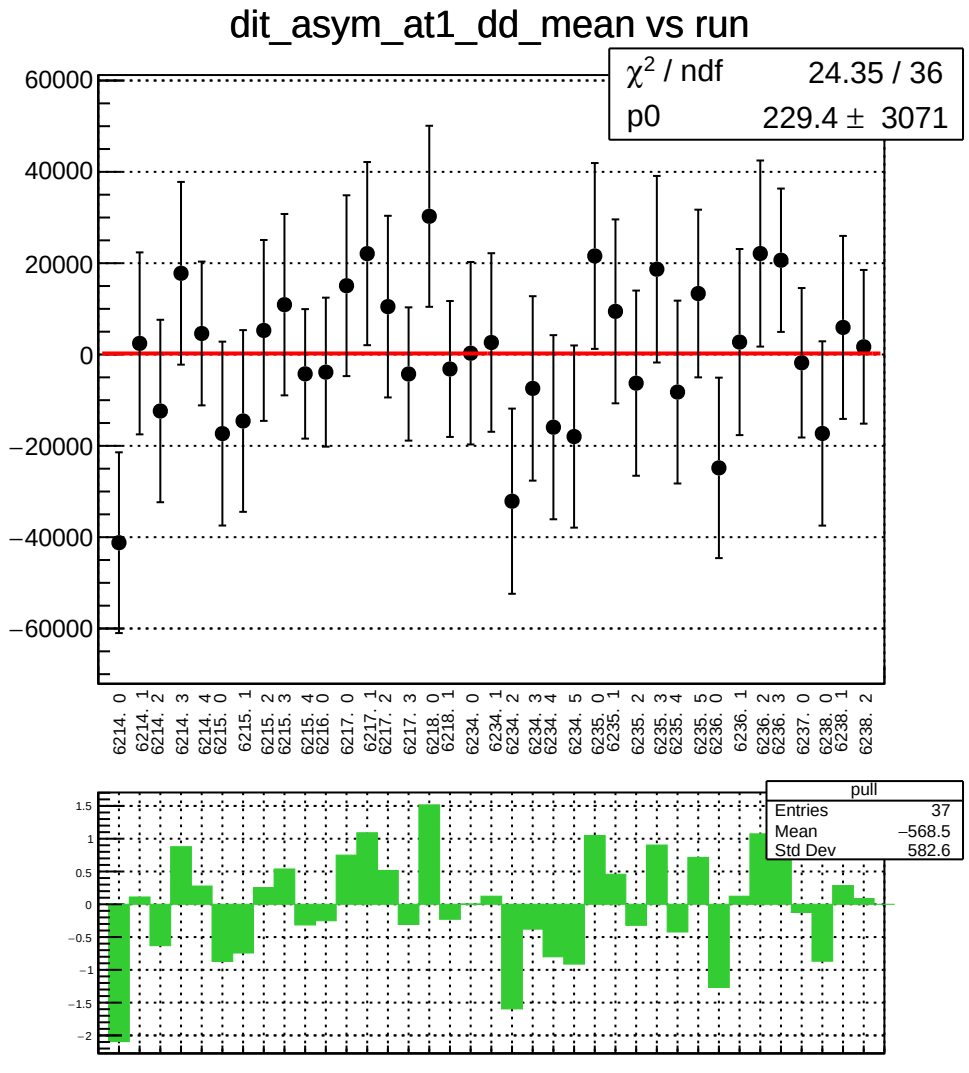

pull1D
Entries 37
Mean 0.01232
Std Dev 0.9384

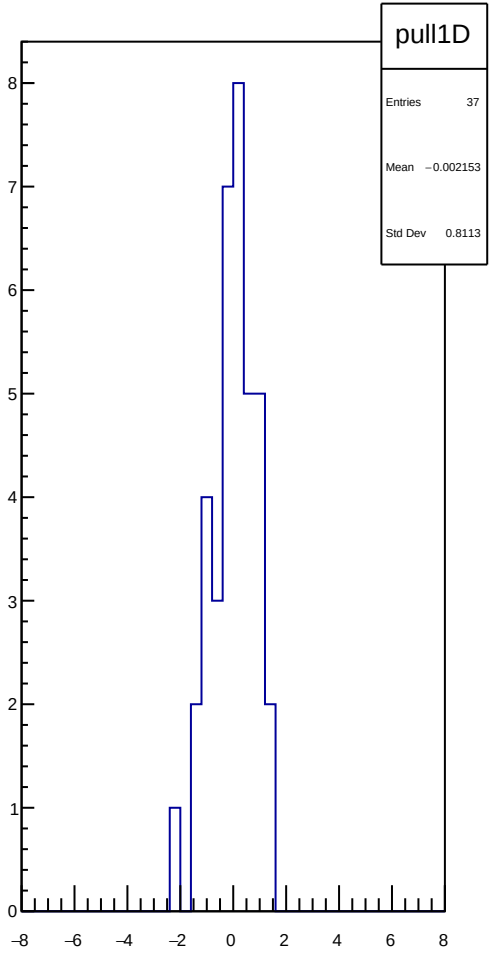

asym_at1_avg_correction_rms vs run
χ² / ndf 2.615e+04 / 36
p0 560.2 ± 0.6512
700
650
600
550
500
450
400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

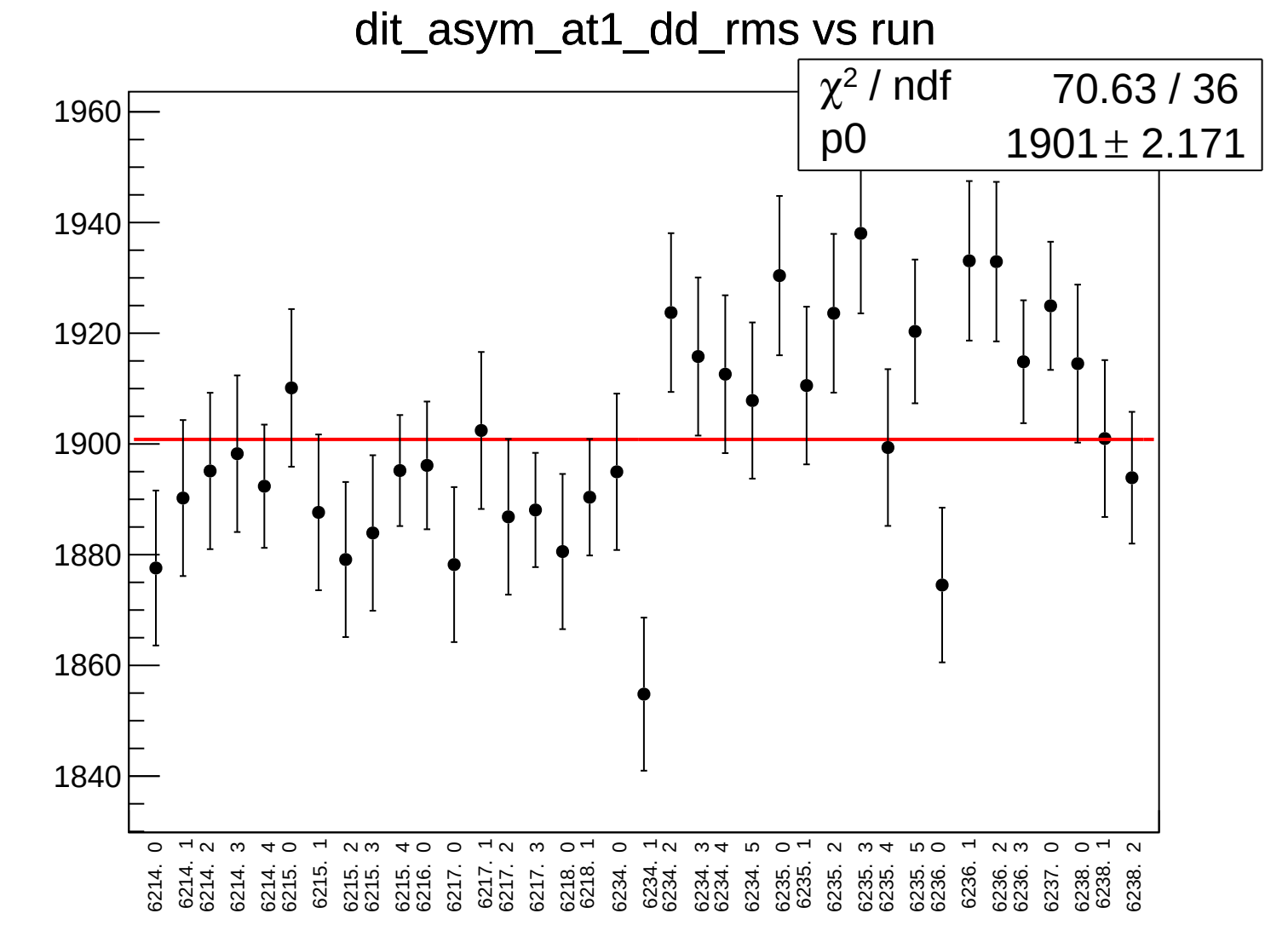

asym_at1_avg_mean vs run
×10^3
χ² / ndf 43.79 / 36
p0 2595 ± 3186
100
80
60
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 105.9
Std Dev 101.6
3
2
1
0
−1
−2

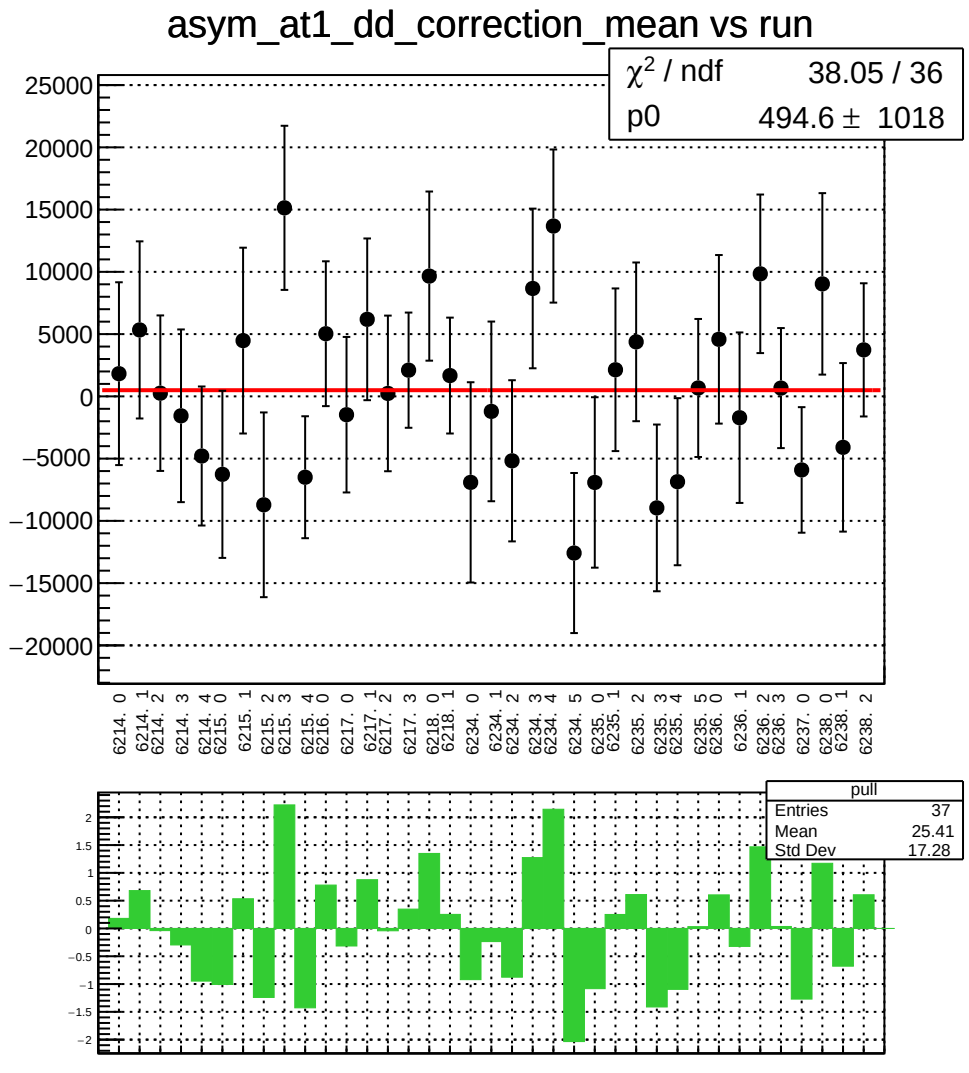

pull1D
Entries 37
Mean 0.01517
Std Dev 1.088
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

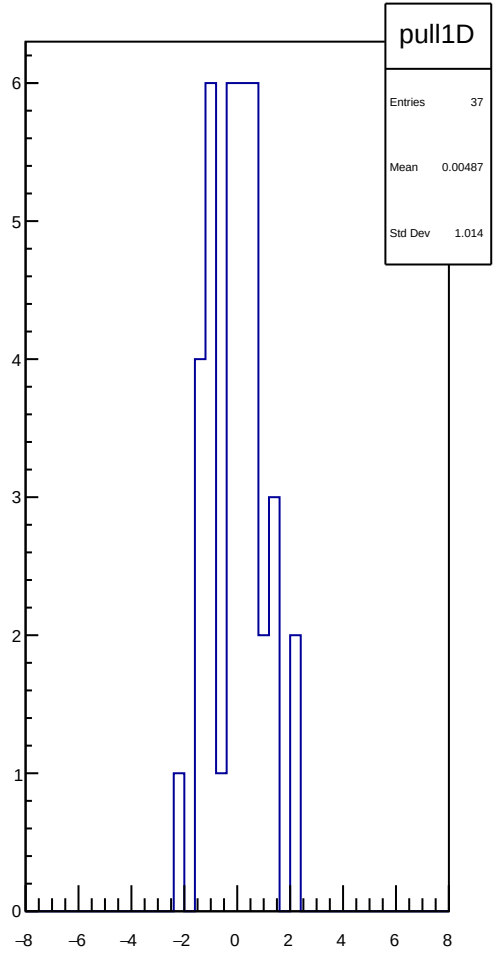

asym_at1_avg_rms vs run
χ² / ndf 180.1 / 36
p0 1972 ± 2.253
2040
2020
2000
1980
1960
1940
1920
1900
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

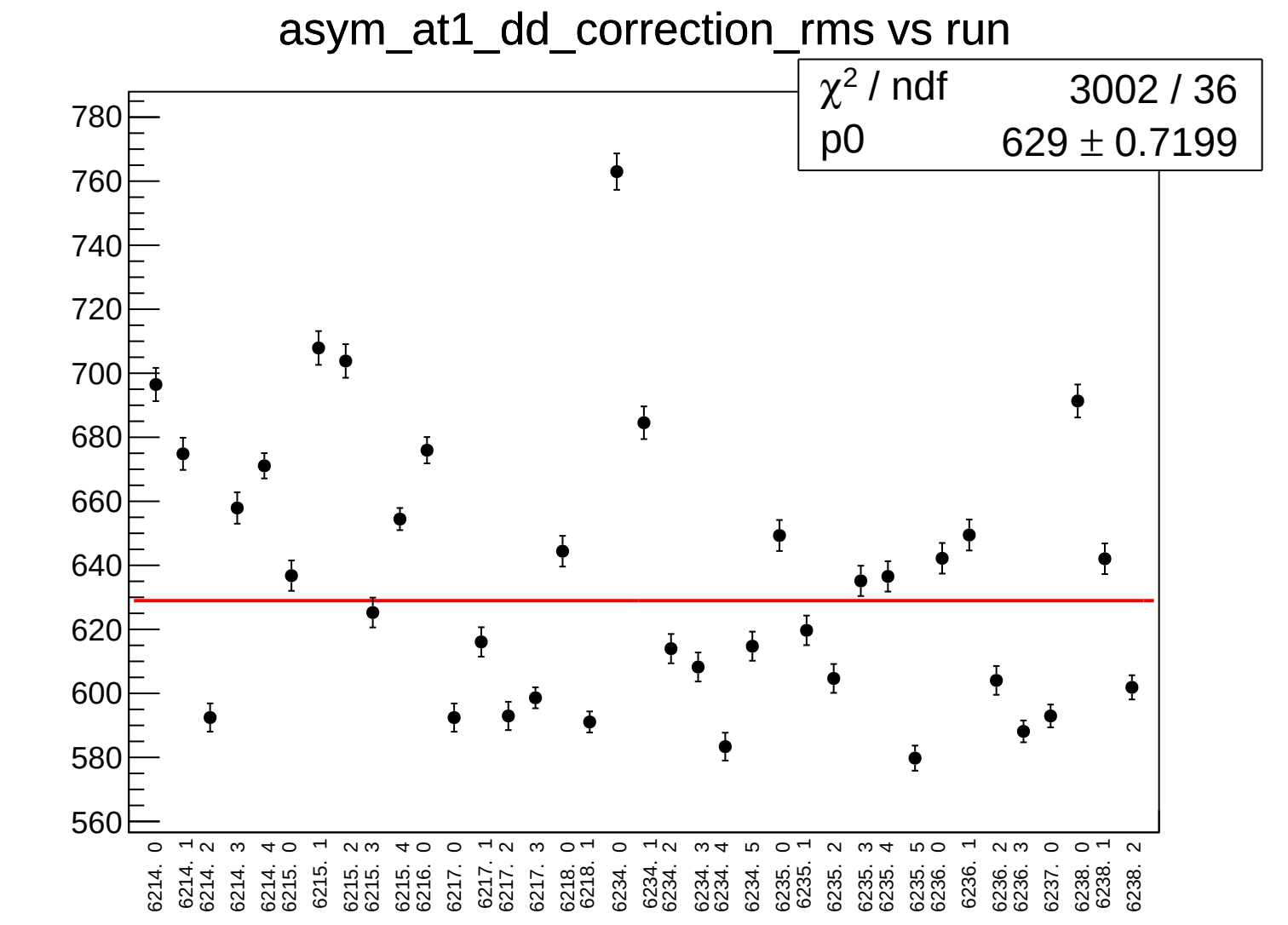

dit_asym_at1_dd_mean vs run
χ² / ndf 24.35 / 36
p0 229.4 ± 3071
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −568.5
Std Dev 582.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

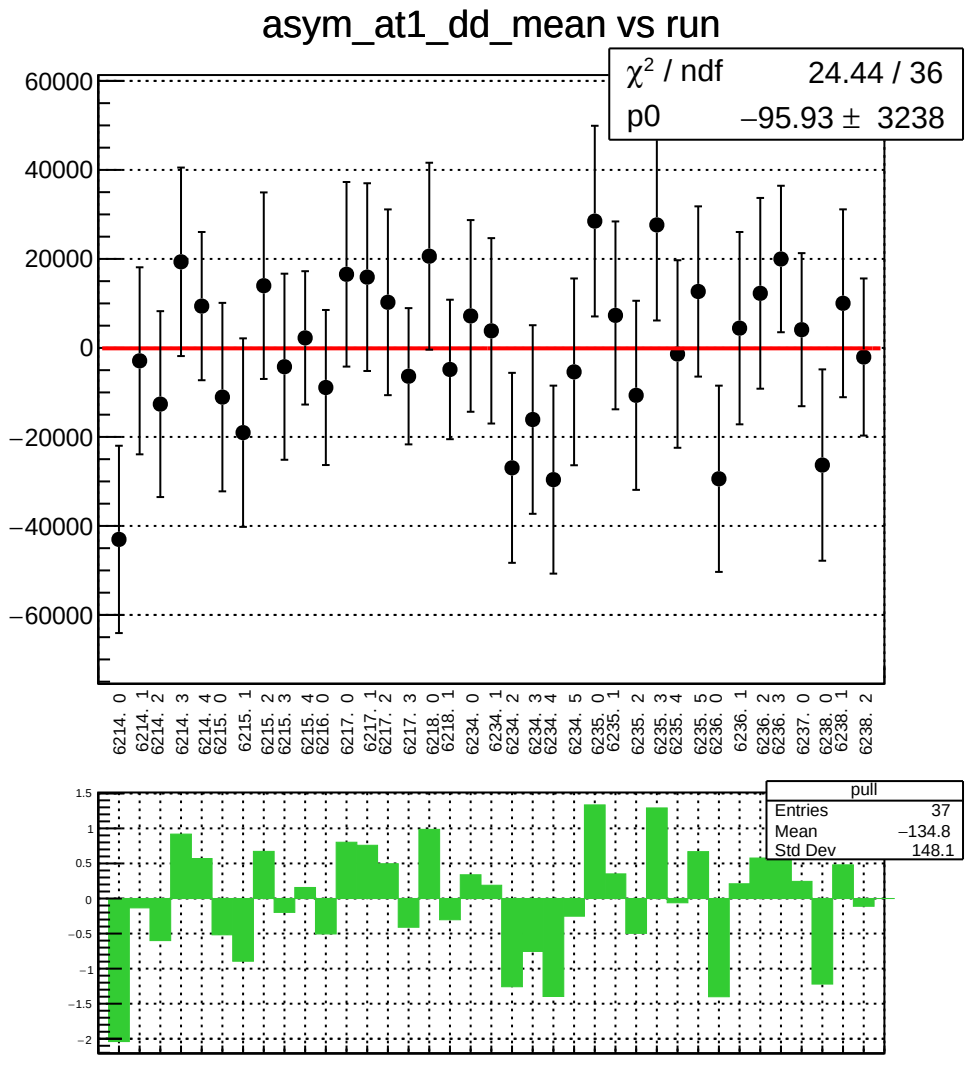

pull1D
Entries 37
Mean −0.002153
Std Dev 0.8113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

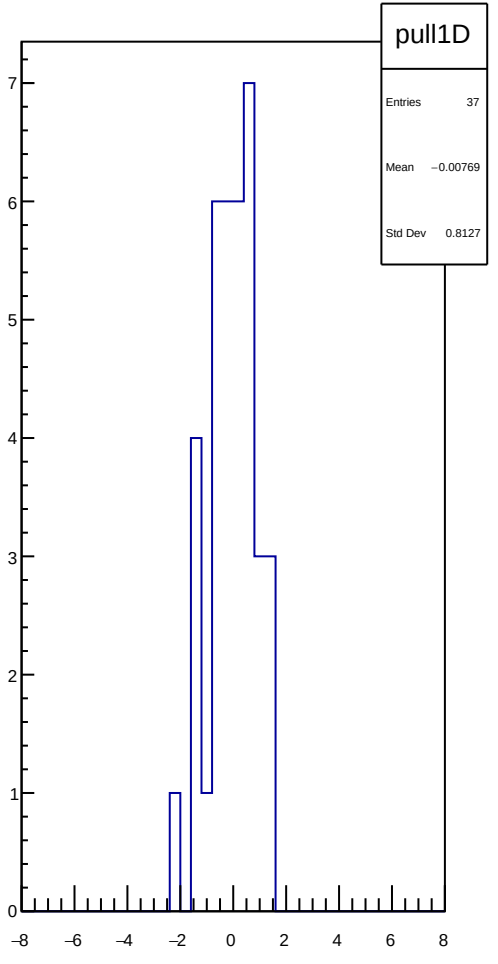

dit_asym_at1_dd_rms vs run
χ² / ndf 70.63 / 36
p0 1901 ± 2.171
1960
1940
1920
1900
1880
1860
1840
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

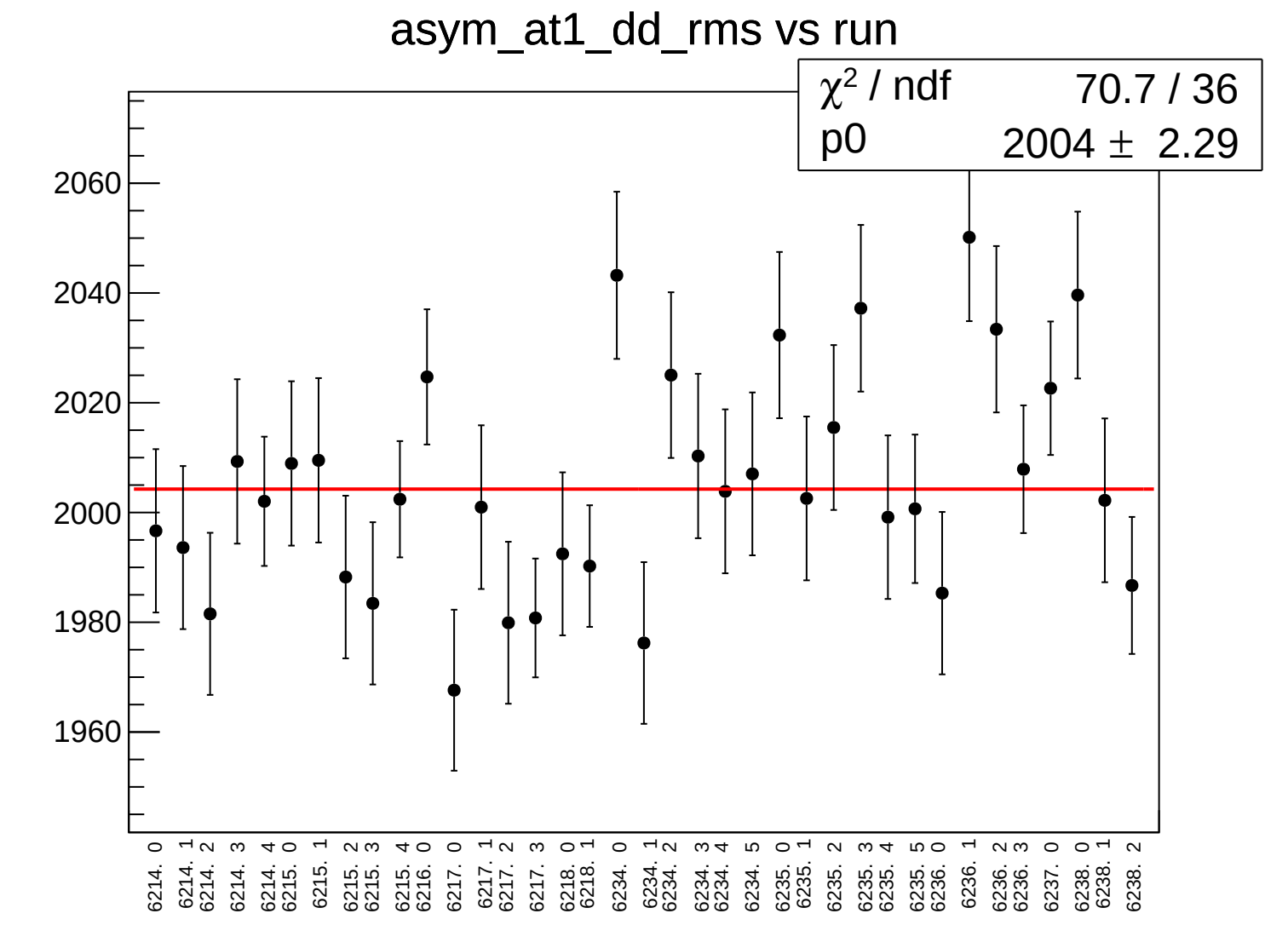

asym_at1_dd_correction_mean vs run
χ² / ndf 38.05 / 36
p0 494.6 ± 1018
pull
Entries 37
Mean 25.41
Std Dev 17.28

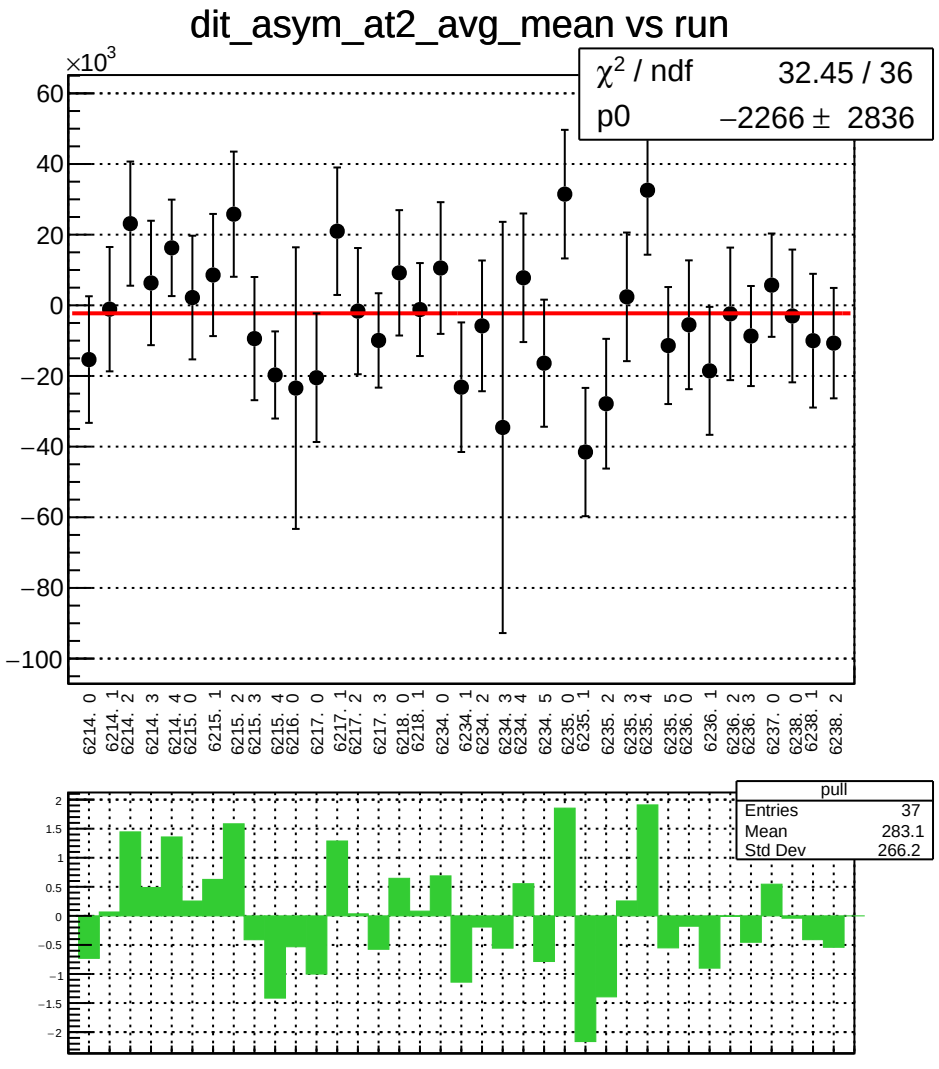

pull1D
Entries 37
Mean 0.00487
Std Dev 1.014

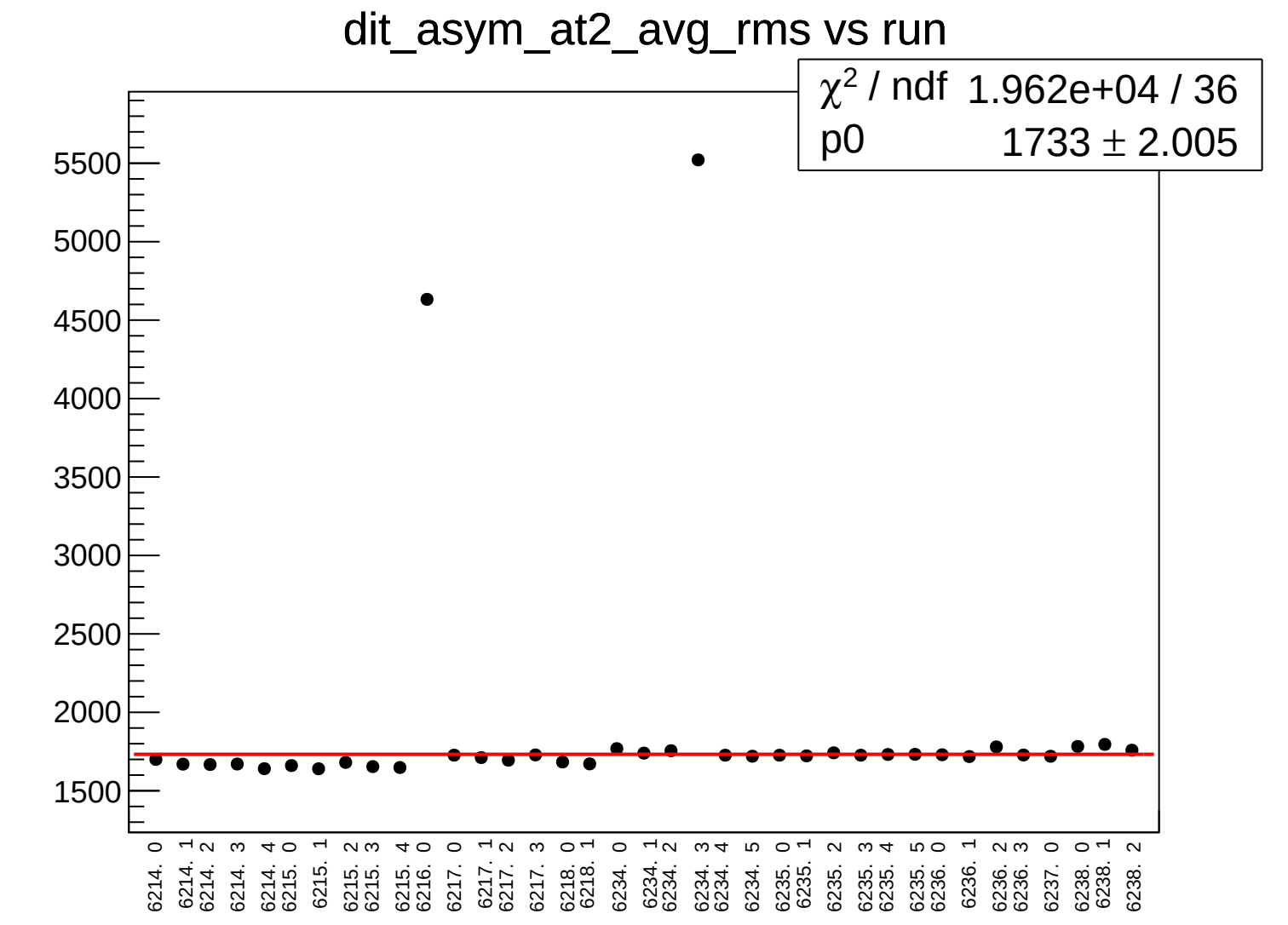

asym_at1_dd_correction_rms vs run
χ² / ndf 3002 / 36
p0 629 ± 0.7199
780
760
740
720
700
680
660
640
620
600
580
560
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

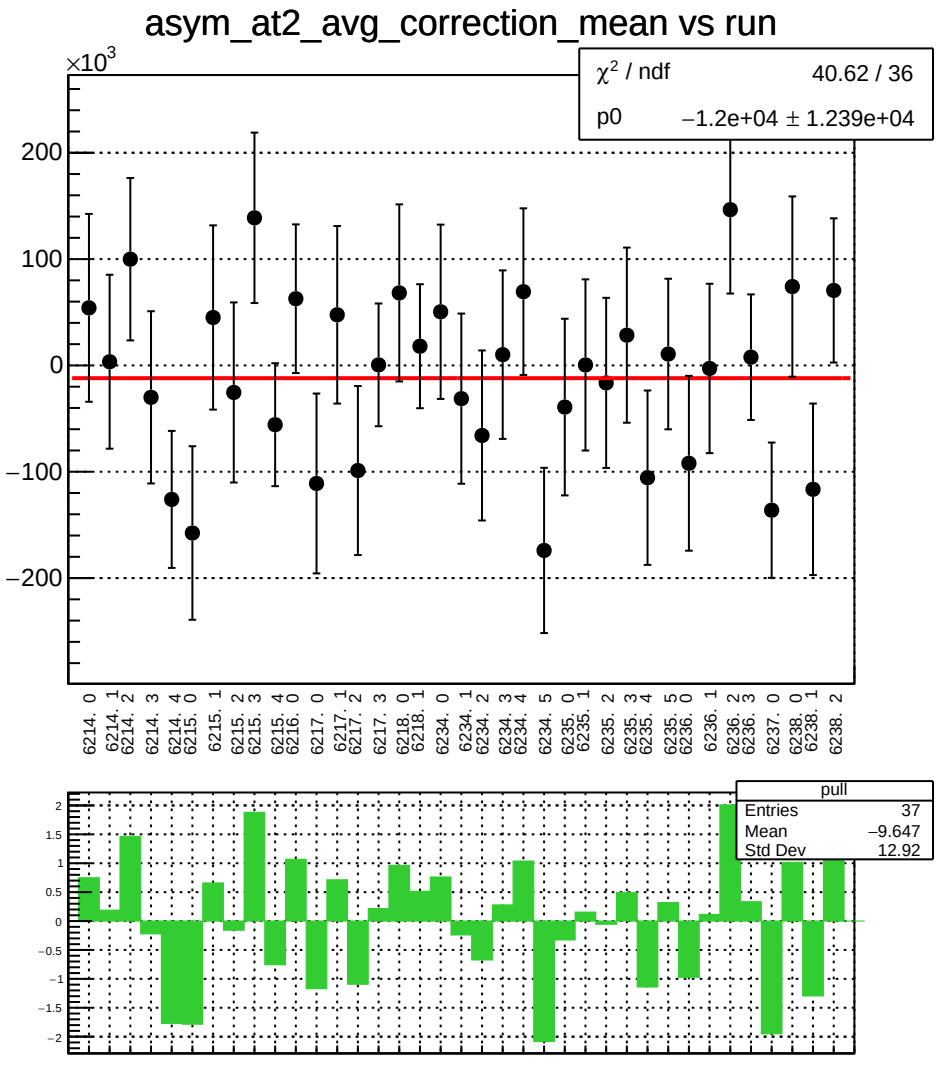

asym_at1_dd_mean vs run
χ² / ndf 24.44 / 36
p0 −95.93 ± 3238
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −134.8
Std Dev 148.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

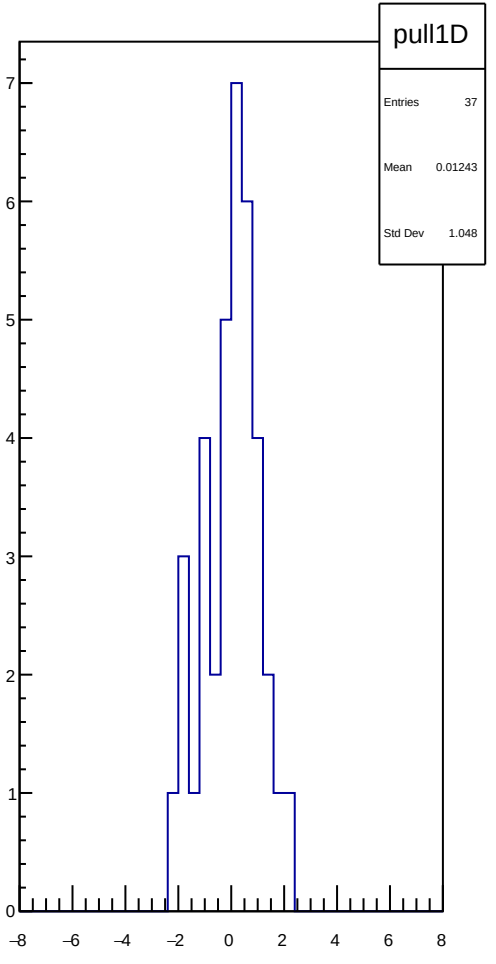

pull1D
Entries 37
Mean −0.00769
Std Dev 0.8127
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

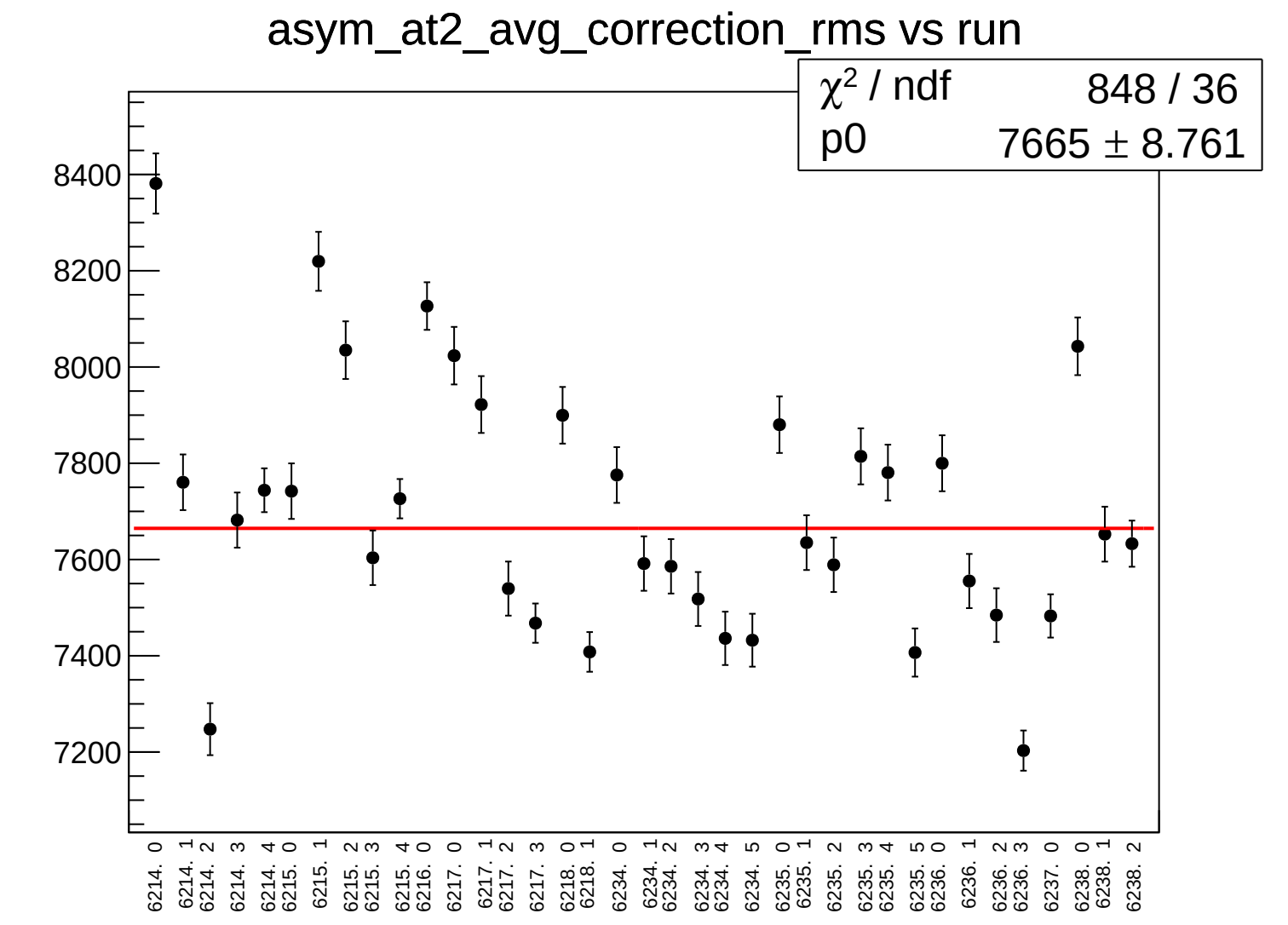

asym_at1_dd_rms vs run
χ² / ndf 70.7 / 36
p0 2004 ± 2.29
2060
2040
2020
2000
1980
1960
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

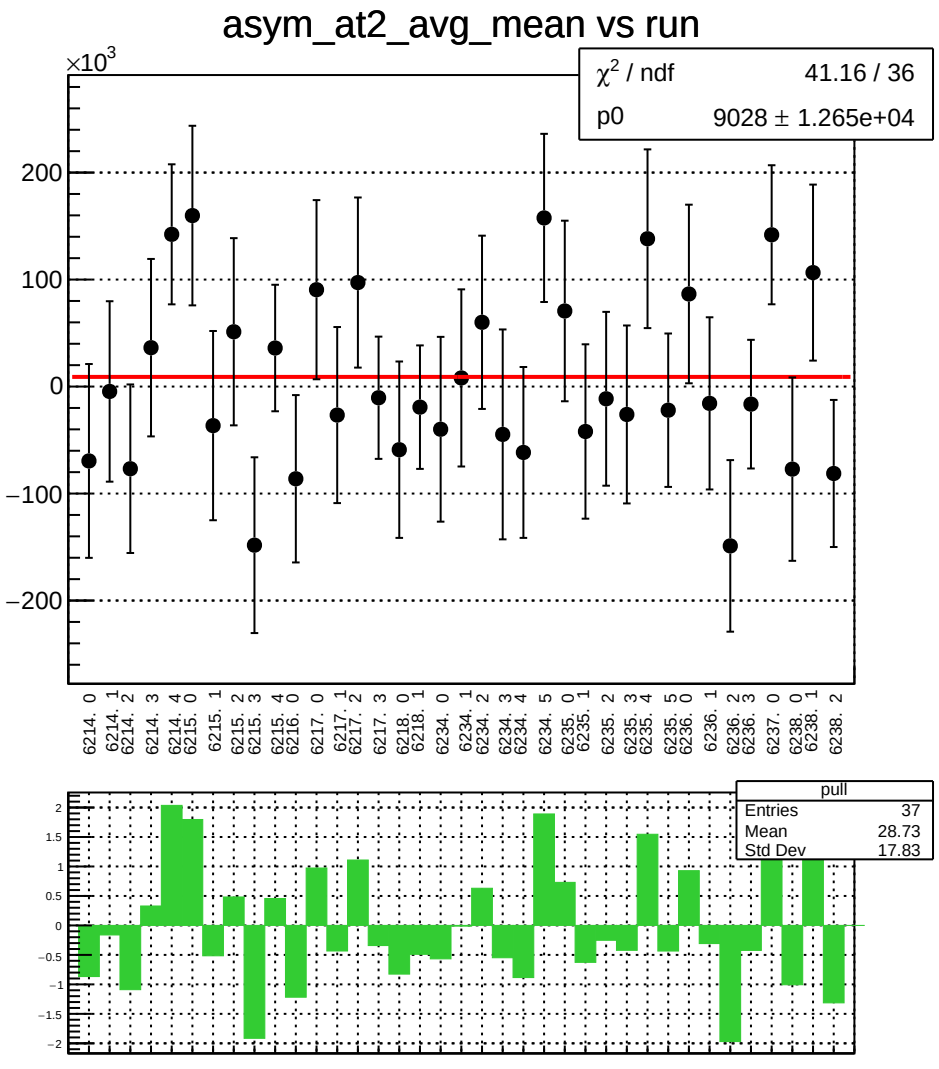

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 32.45 / 36
p0 −2266 ± 2836
60
40
20
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 283.1
Std Dev 266.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.007849
Std Dev 0.9365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

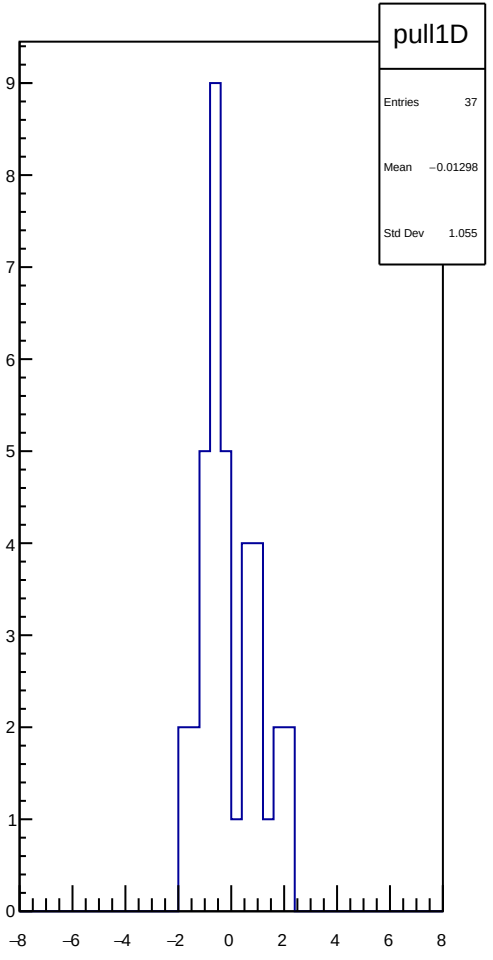

dit_asym_at2_avg_rms vs run
χ^2 / ndf 1.962e+04 / 36
p0 1733 ± 2.005
5500
5000
4500
4000
3500
3000
2500
2000
1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

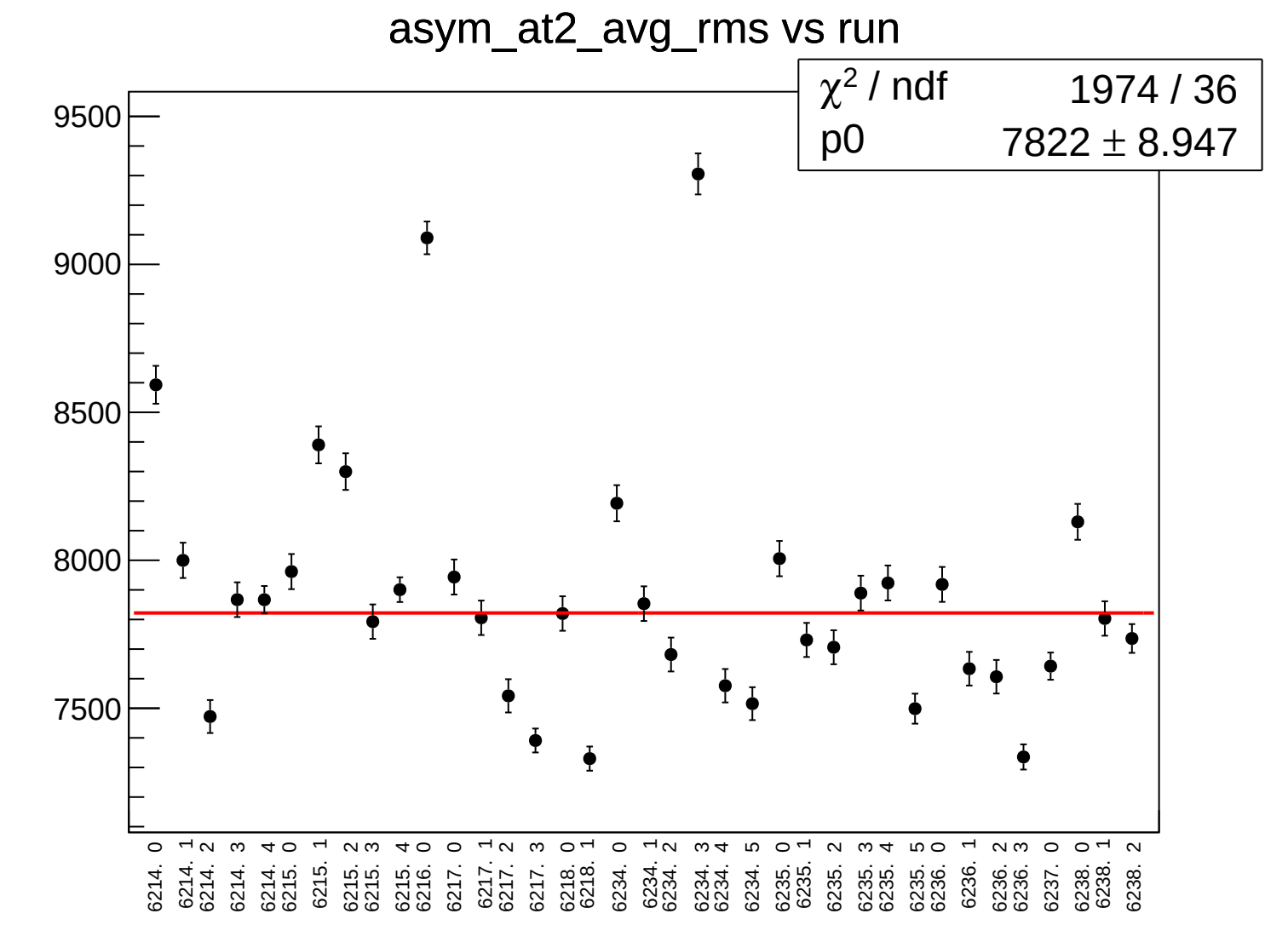

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 40.62 / 36
p0 −1.2e+04 ± 1.239e+04
200
100
0
−100
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.647
Std Dev 12.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

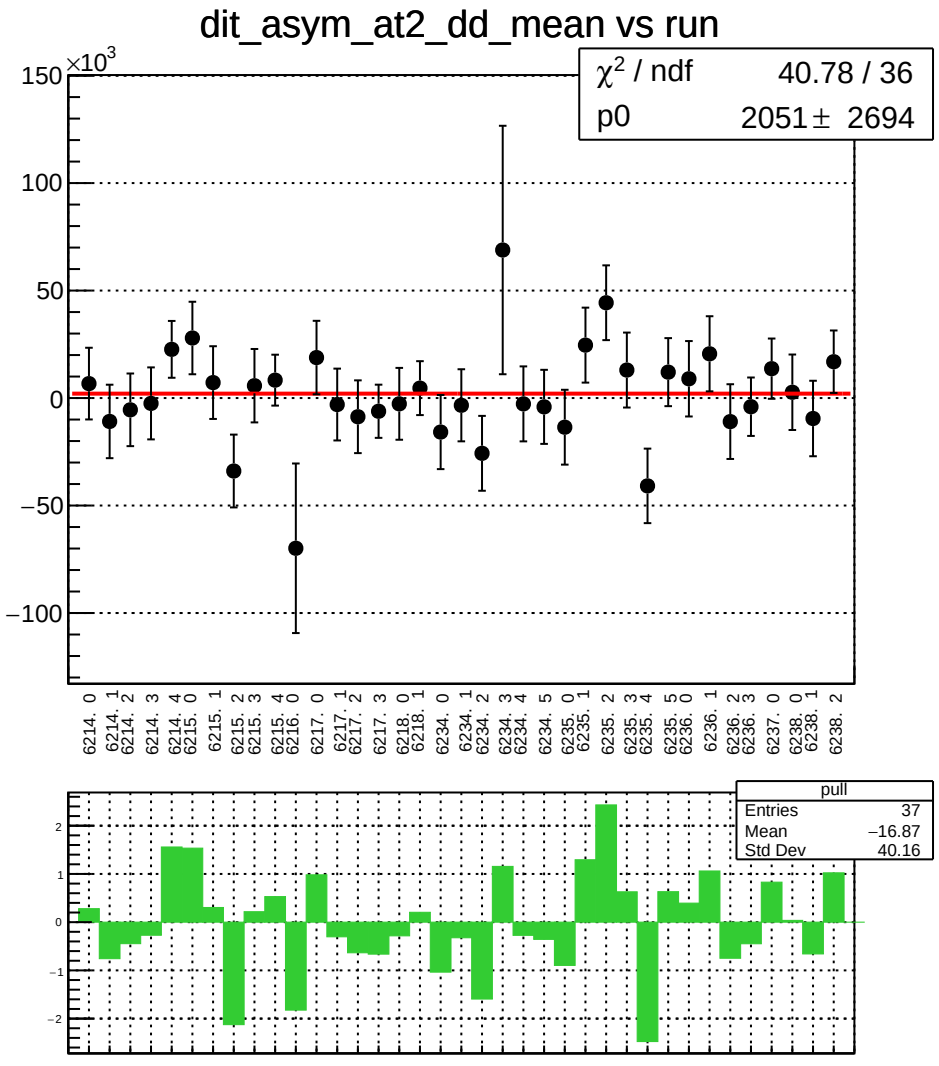

pull1D
Entries 37
Mean 0.01243
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

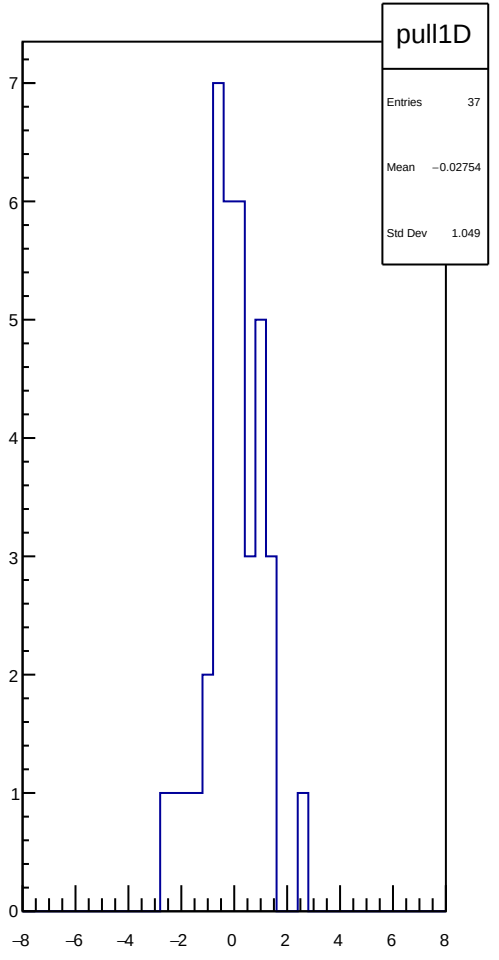

asym_at2_avg_correction_rms vs run
χ² / ndf 848 / 36
p0 7665 ± 8.761
8400
8200
8000
7800
7600
7400
7200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

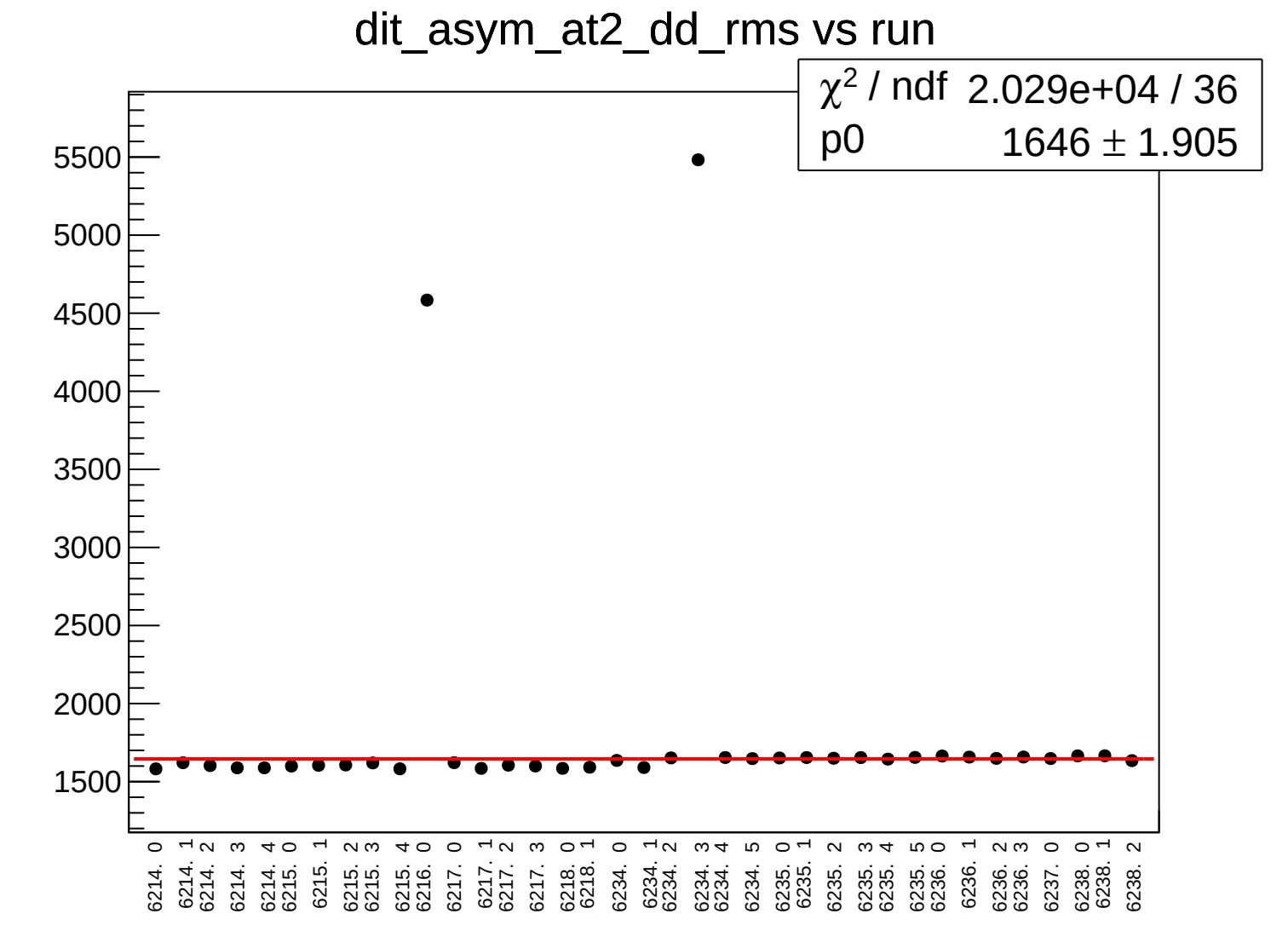

asym_at2_avg_mean vs run
×10^3
χ² / ndf 41.16 / 36
p0 9028 ± 1.265e+04
200
100
0
−100
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 28.73
Std Dev 17.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

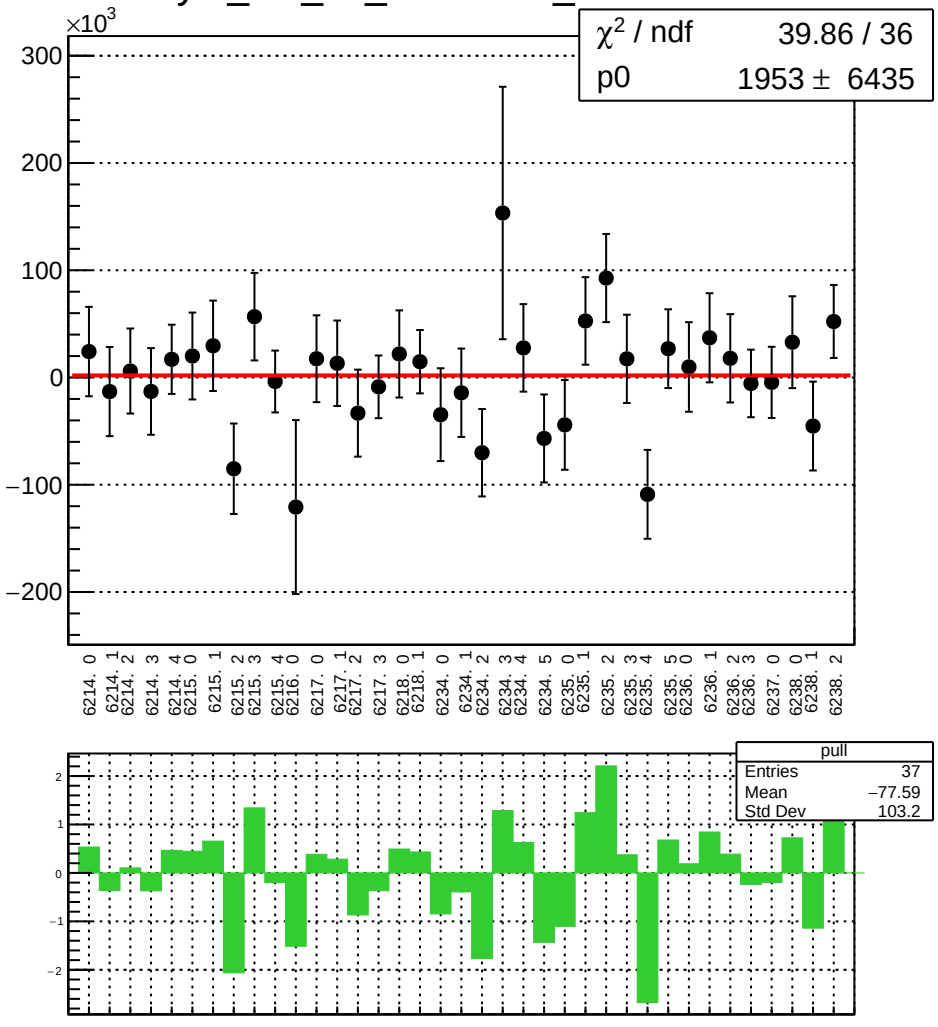

pull1D
Entries 37
Mean −0.01298
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

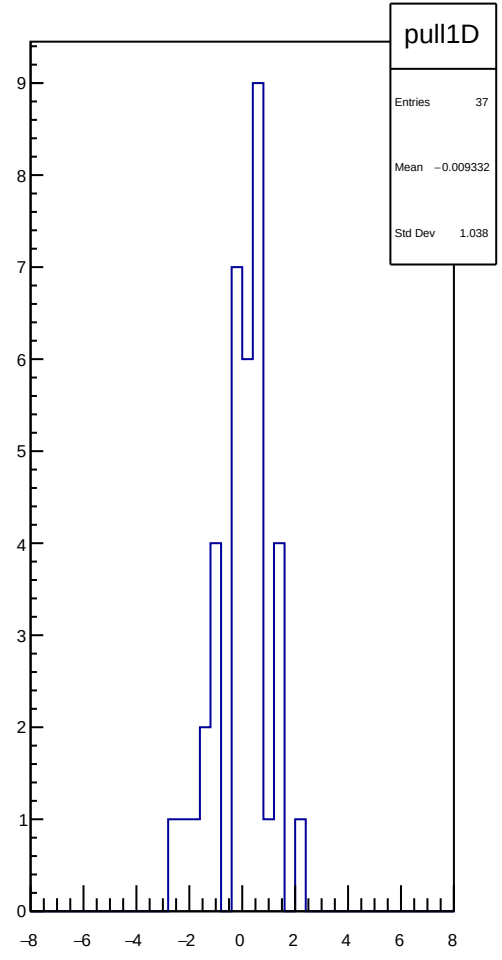

asym_at2_avg_rms vs run
χ^2 / ndf 1974 / 36
p0 7822 ± 8.947
9500
9000
8500
8000
7500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

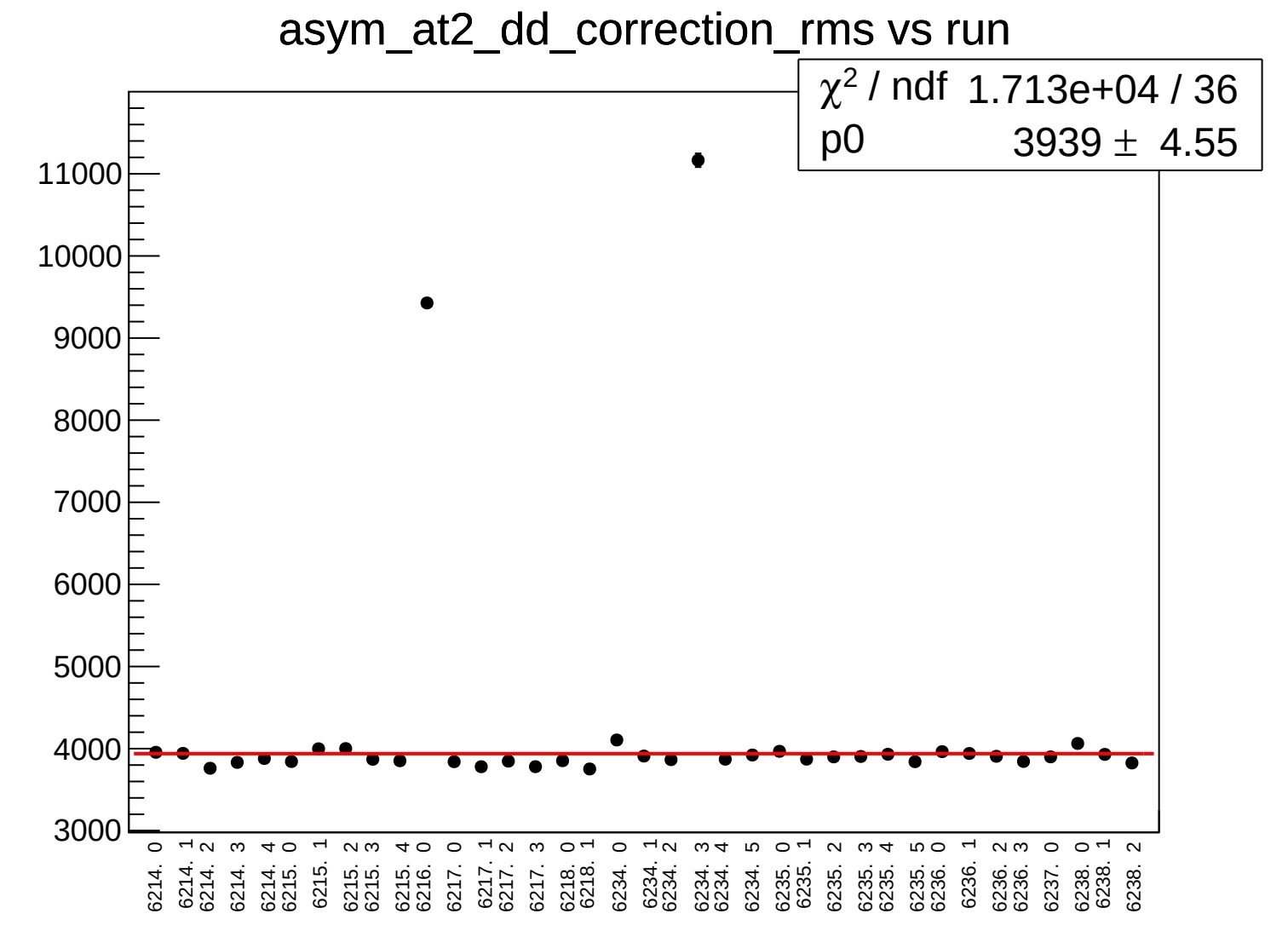

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 40.78 / 36
p0 2051 ± 2694
150
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −16.87
Std Dev 40.16
2
1
0
−1
−2

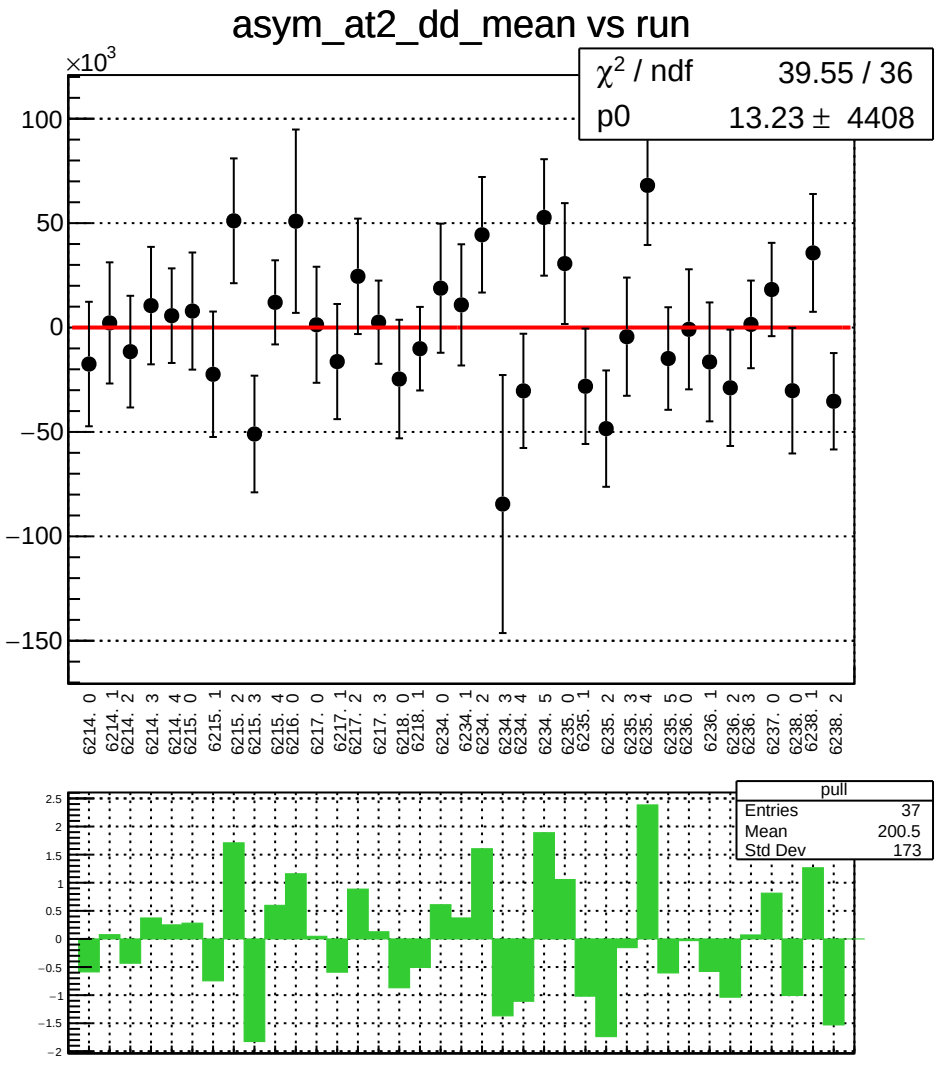

pull1D
Entries 37
Mean −0.02754
Std Dev 1.049
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

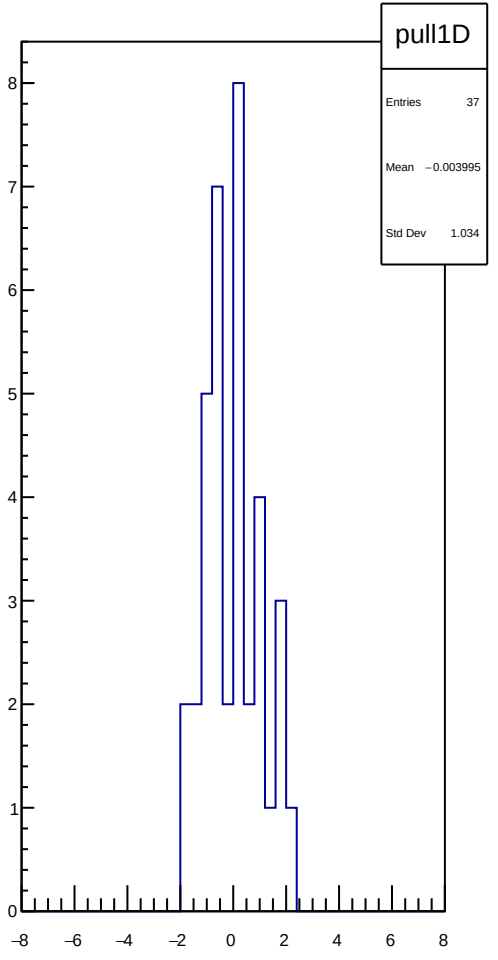

dit_asym_at2_dd_rms vs run
χ² / ndf 2.029e+04 / 36
p0 1646 ± 1.905
5500
5000
4500
4000
3500
3000
2500
2000
1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

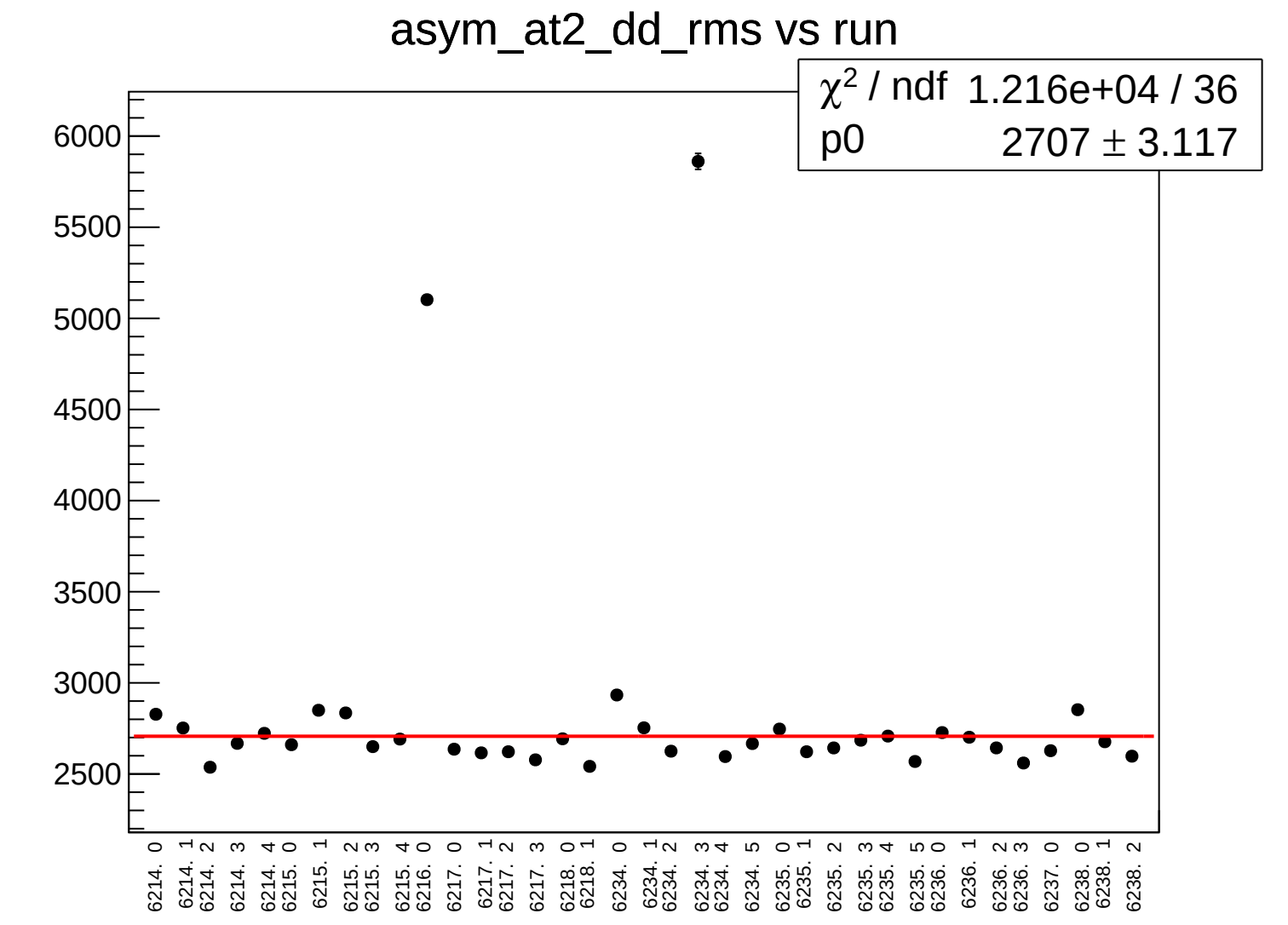

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 39.86 / 36
p0 1953 ± 6435
300
200
100
0
−100
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −77.59
Std Dev 103.2
2
1
0
−1
−2

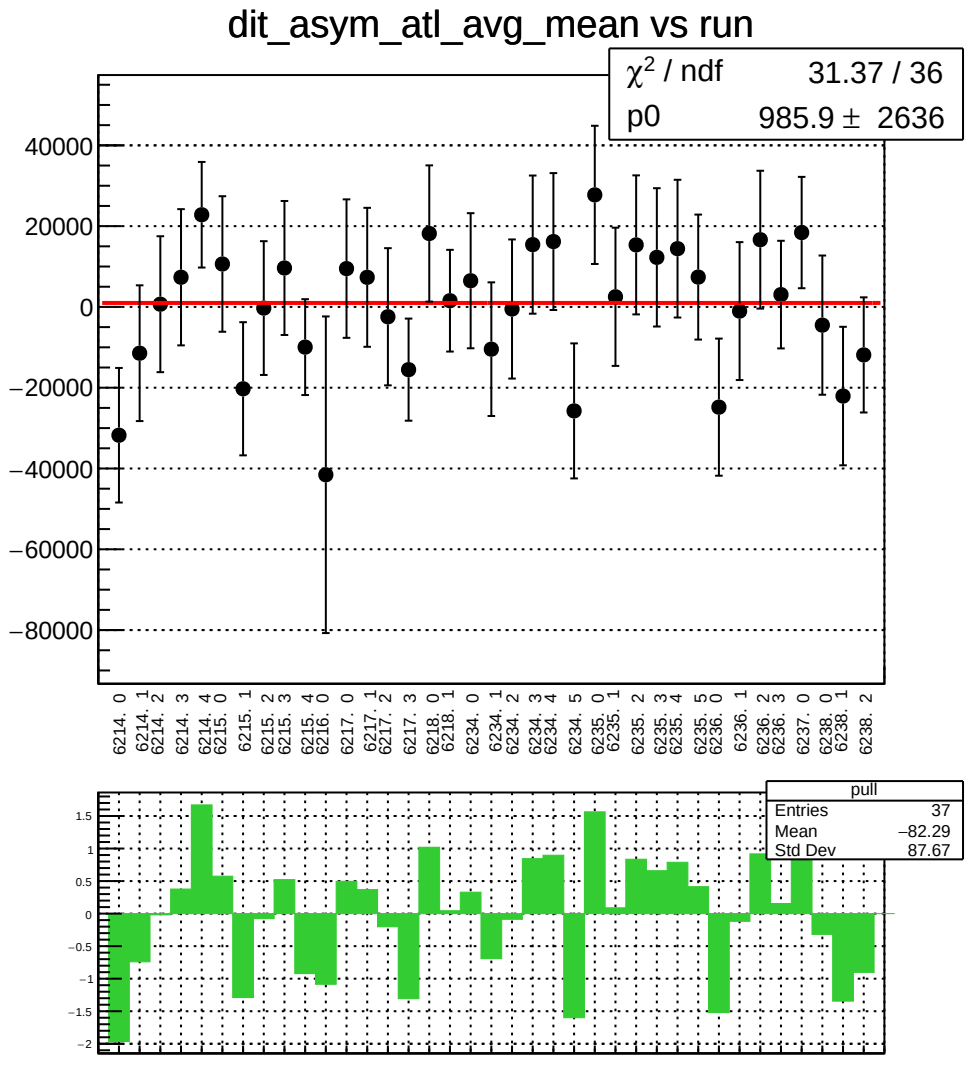

pull1D
Entries 37
Mean −0.009332
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

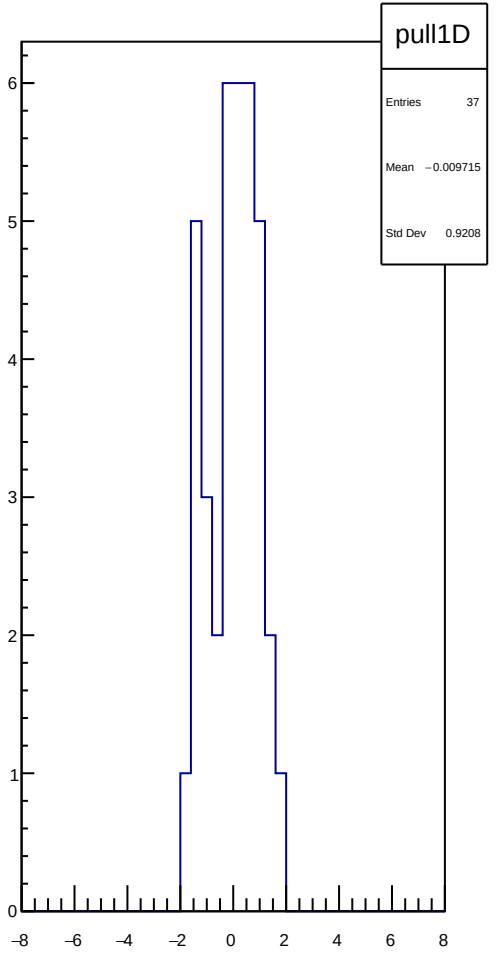

asym_at2_dd_correction_rms vs run
χ² / ndf 1.713e+04 / 36
p0 3939 ± 4.55
11000
10000
9000
8000
7000
6000
5000
4000
3000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

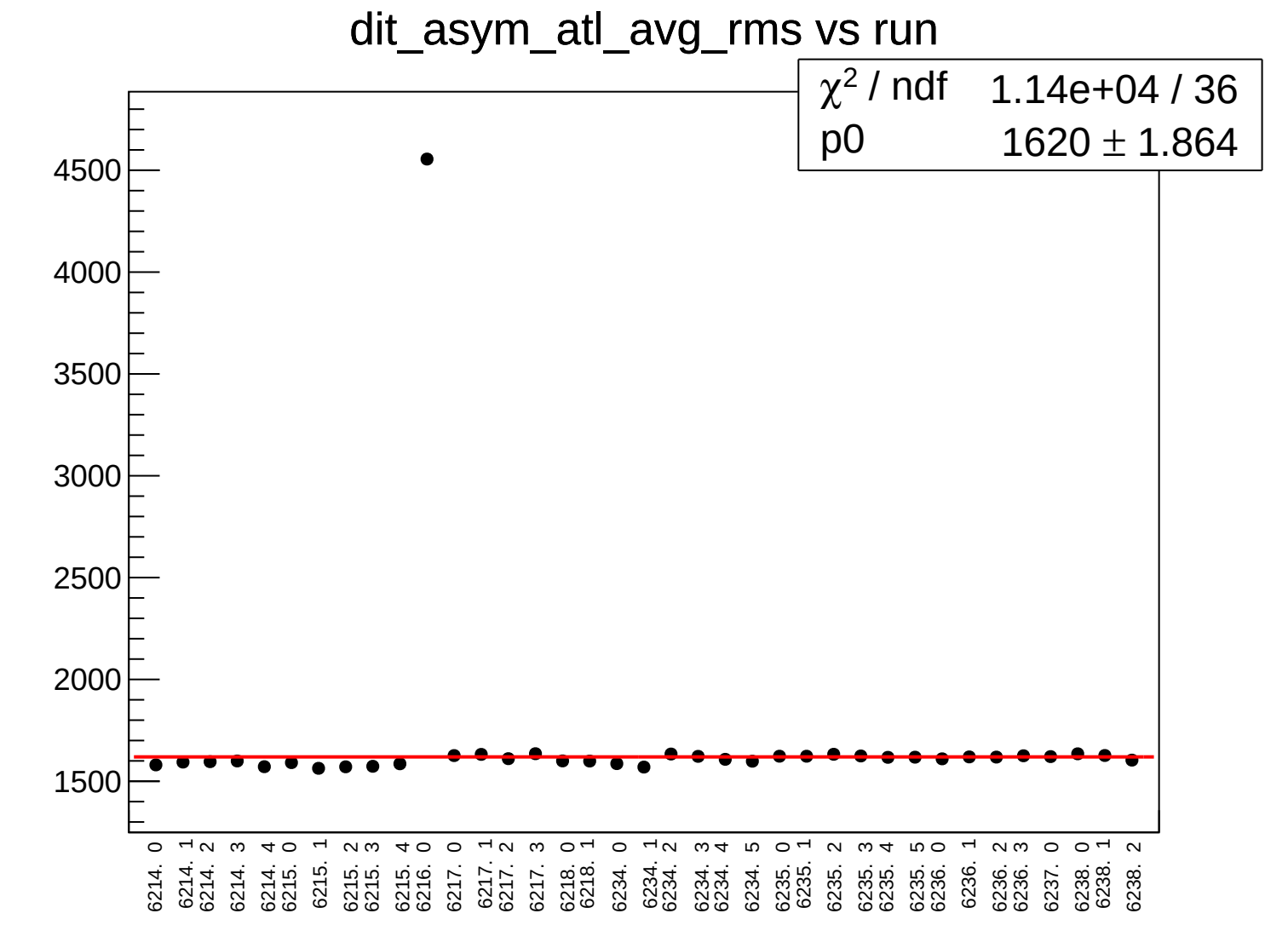

asym_at2_dd_mean vs run
×10^3
χ² / ndf 39.55 / 36
p0 13.23 ± 4408
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 200.5
Std Dev 173
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

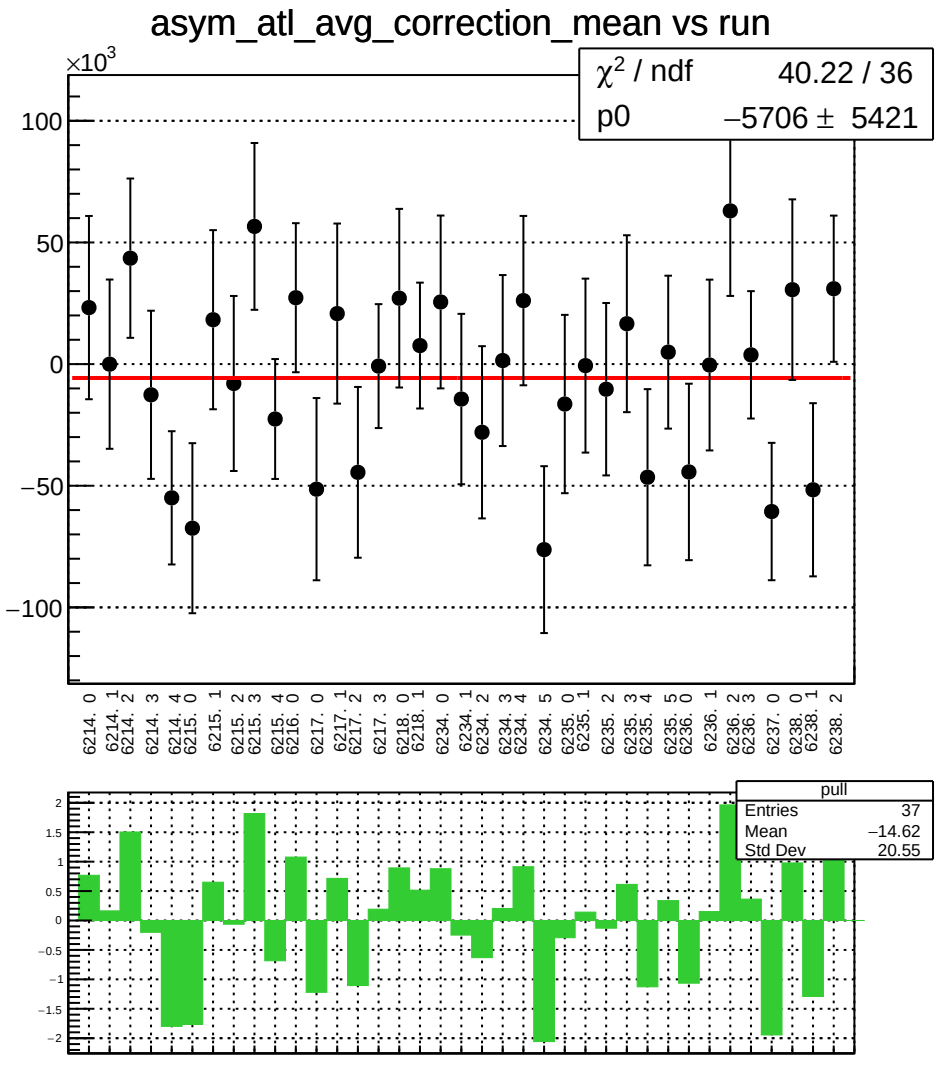

pull1D
Entries 37
Mean −0.003995
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

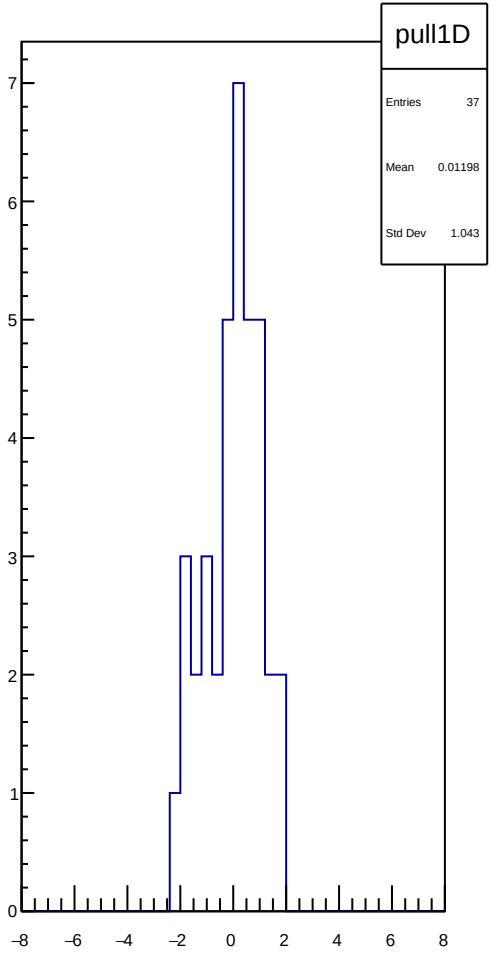

asym_at2_dd_rms vs run
χ² / ndf 1.216e+04 / 36
p0 2707 ± 3.117
6000
5500
5000
4500
4000
3500
3000
2500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

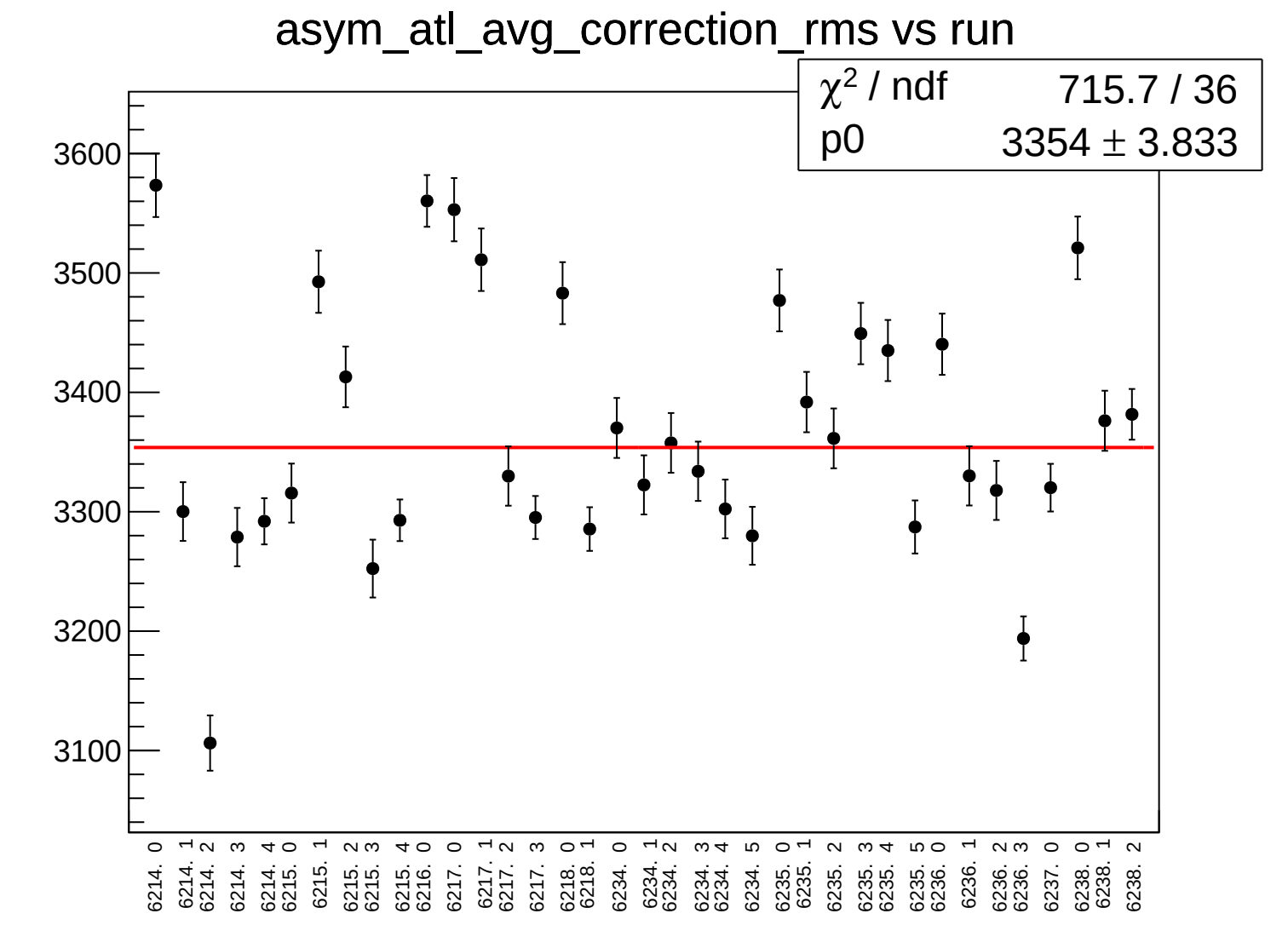

dit_asym_atl_avg_mean vs run
χ² / ndf 31.37 / 36
p0 985.9 ± 2636
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −82.29
Std Dev 87.67
1.5
1
0.5
0
−0.5
−1
−1.5
−2

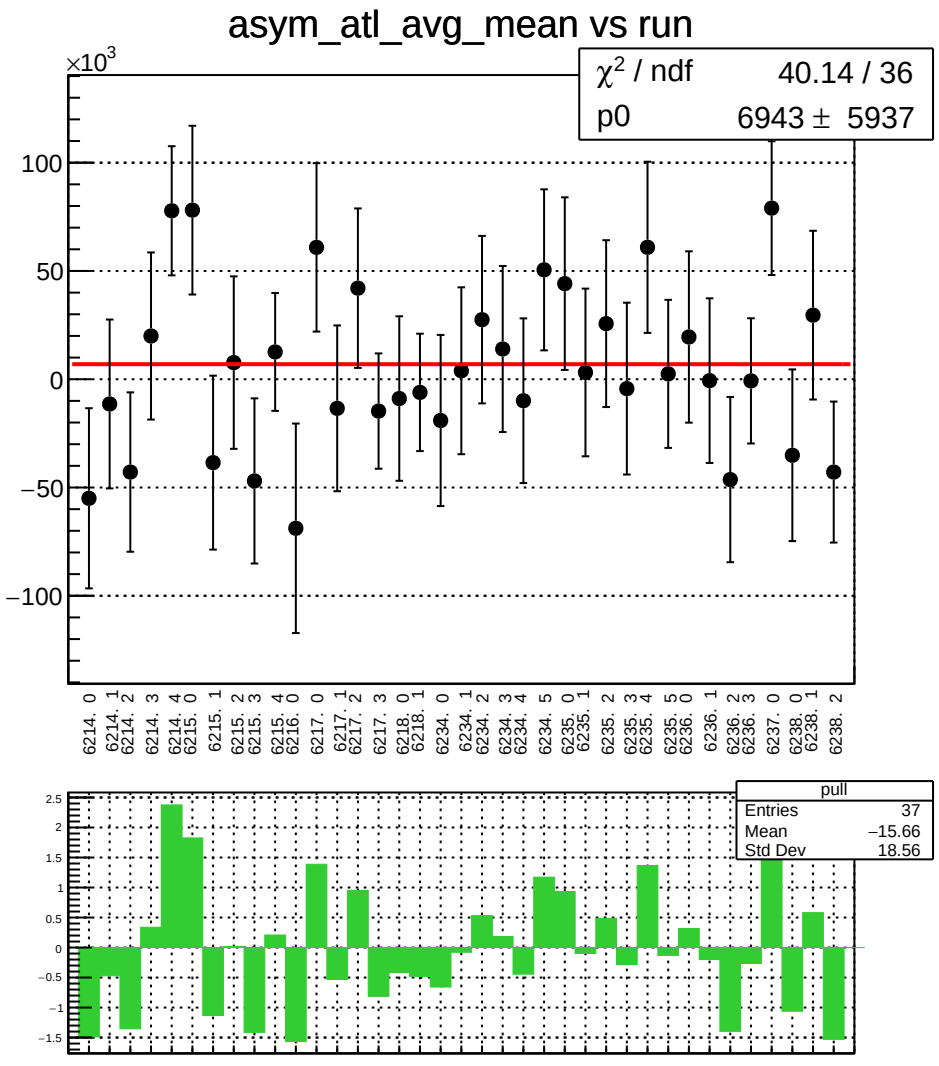

pull1D
Entries 37
Mean −0.009715
Std Dev 0.9208
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

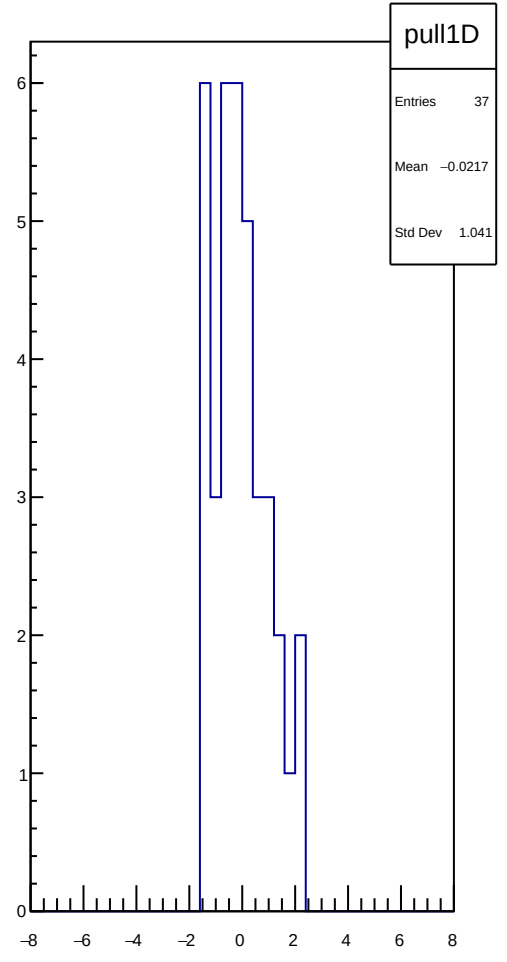

dit_asym_atl_avg_rms vs run
χ² / ndf 1.14e+04 / 36
p0 1620 ± 1.864
4500
4000
3500
3000
2500
2000
1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

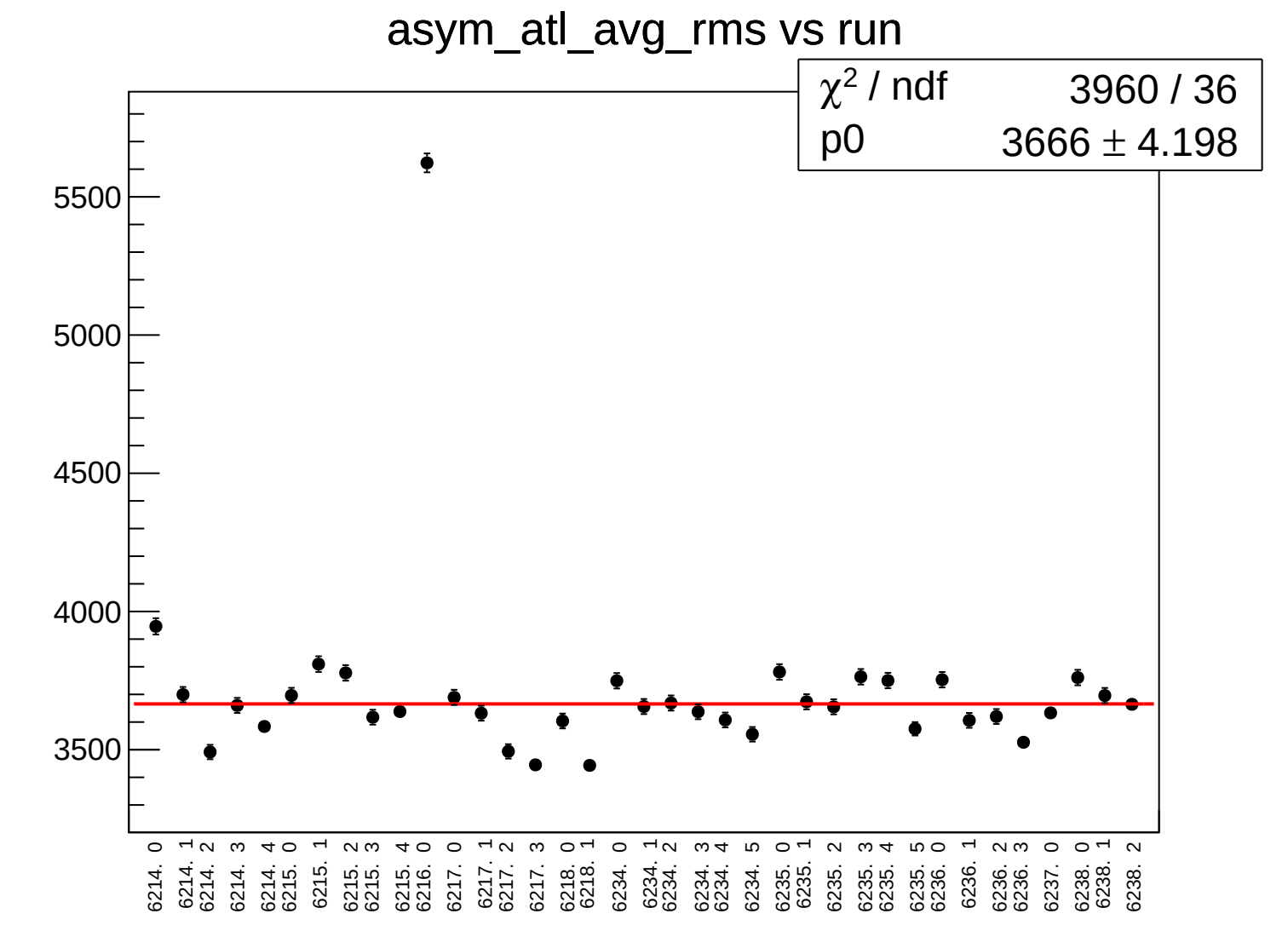

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 40.22 / 36
p0 −5706 ± 5421
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −14.62
Std Dev 20.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

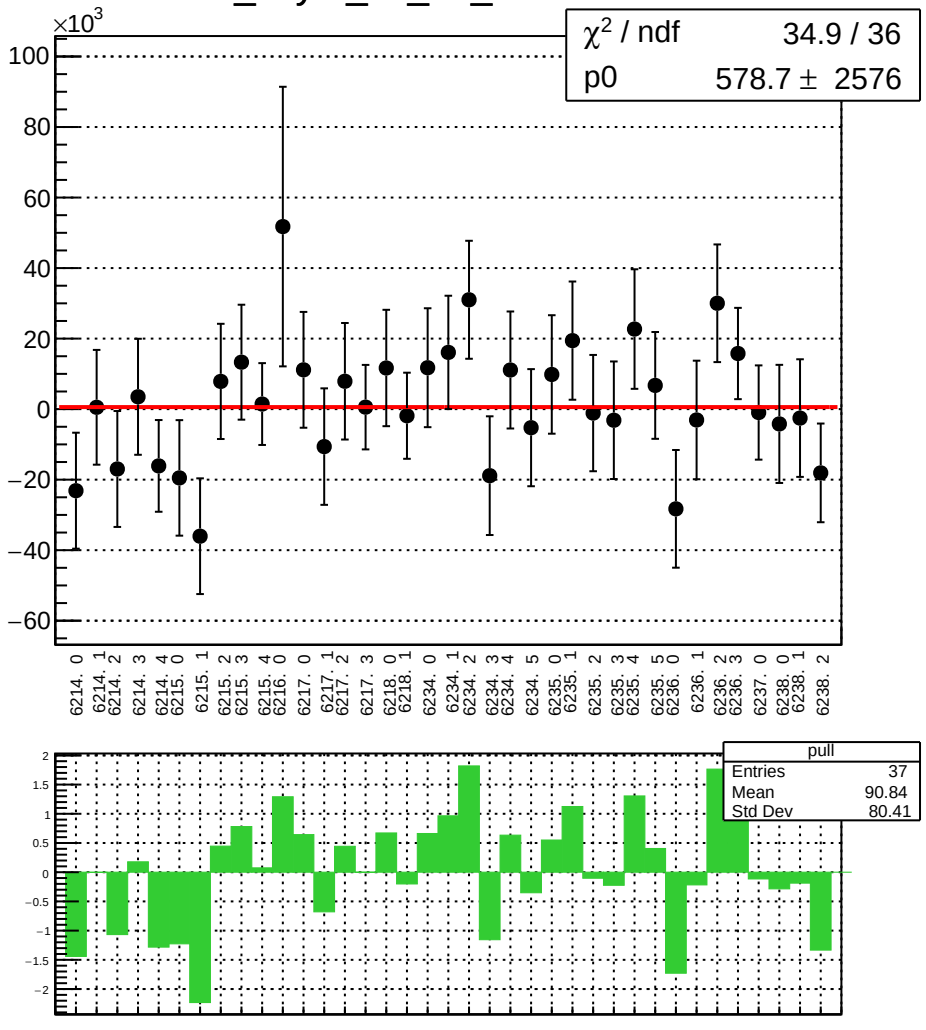

pull1D
Entries 37
Mean 0.01198
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

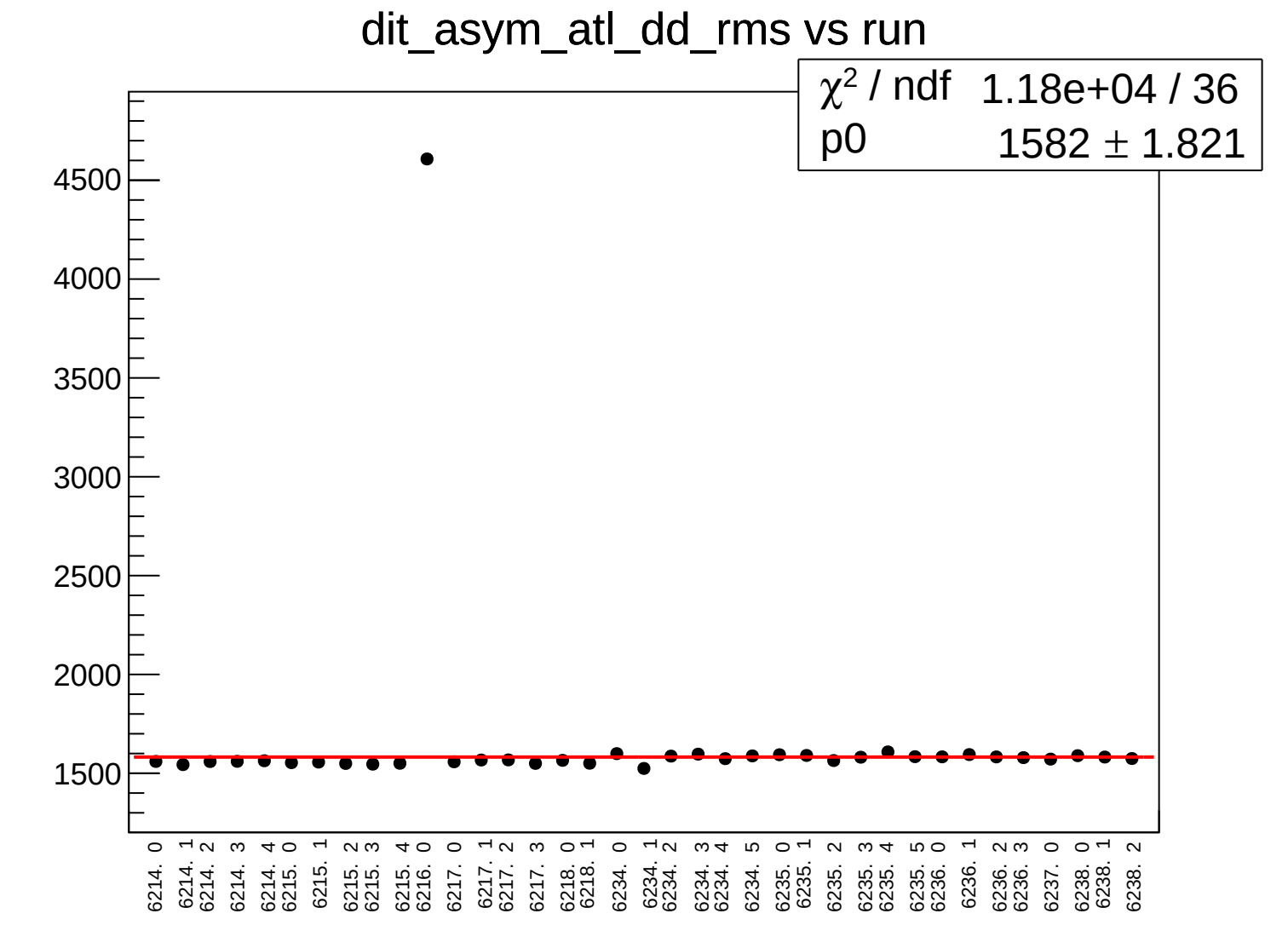

asym_atl_avg_correction_rms vs run
χ² / ndf 715.7 / 36
p0 3354 ± 3.833
3600
3500
3400
3300
3200
3100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

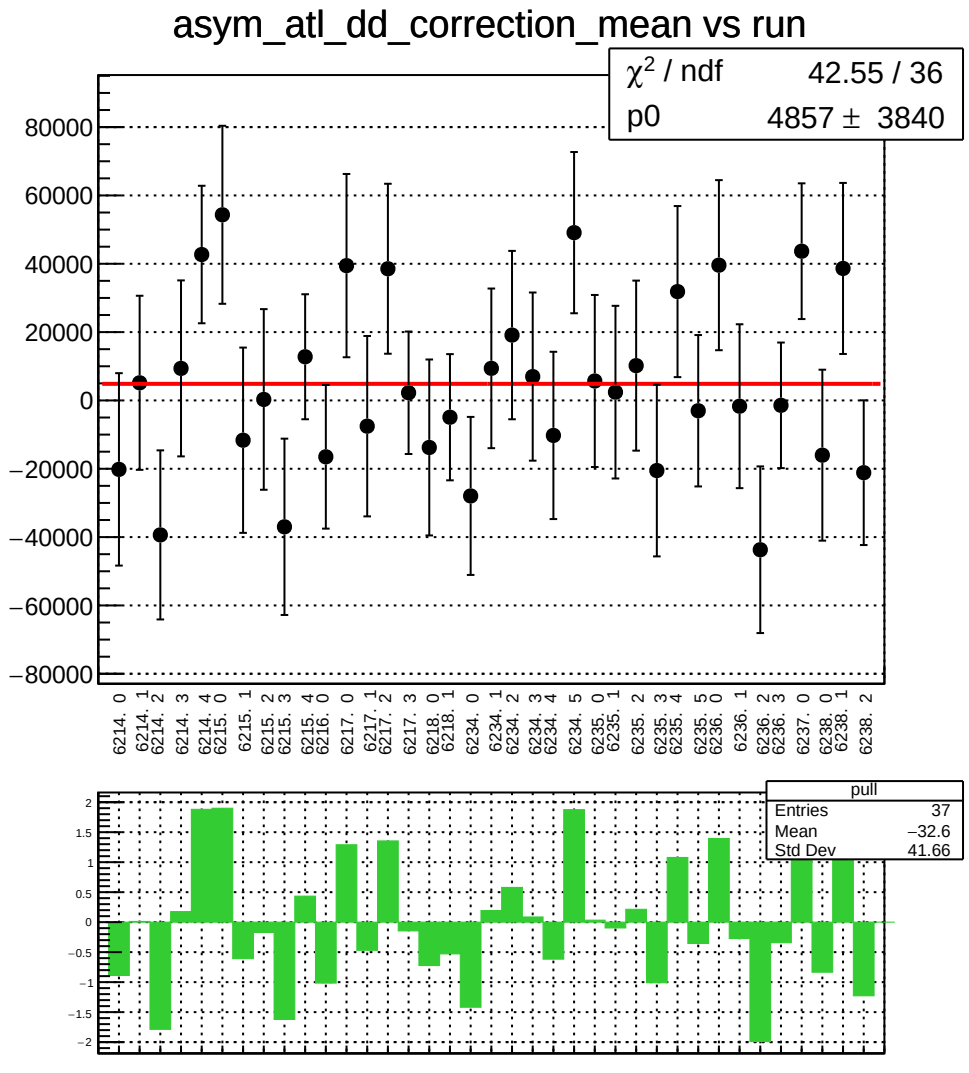

asym_atl_avg_mean vs run
×10^3
χ² / ndf 40.14 / 36
p0 6943 ± 5937
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −15.66
Std Dev 18.56
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

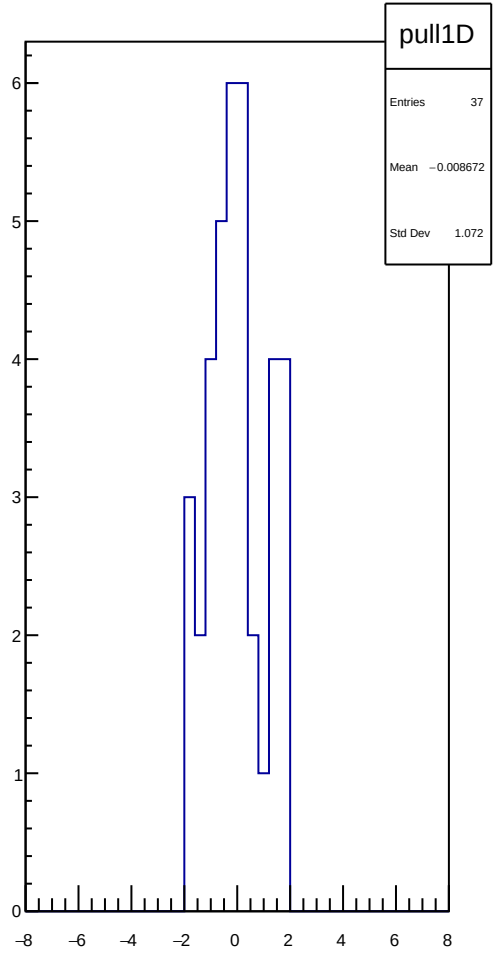

pull1D
Entries 37
Mean −0.0217
Std Dev 1.041
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

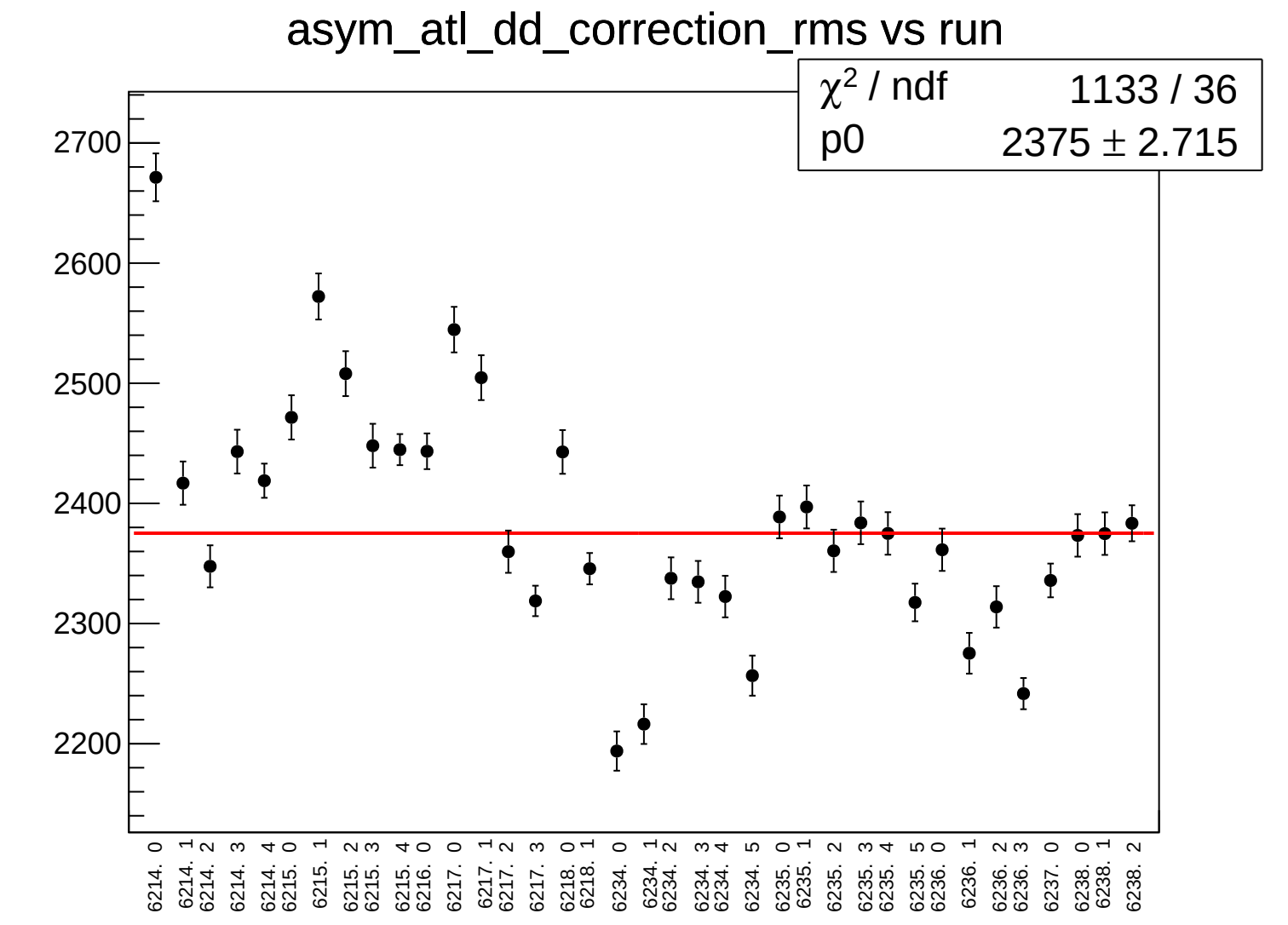

asym_atl_avg_rms vs run
χ² / ndf 3960 / 36
p0 3666 ± 4.198
5500
5000
4500
4000
3500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

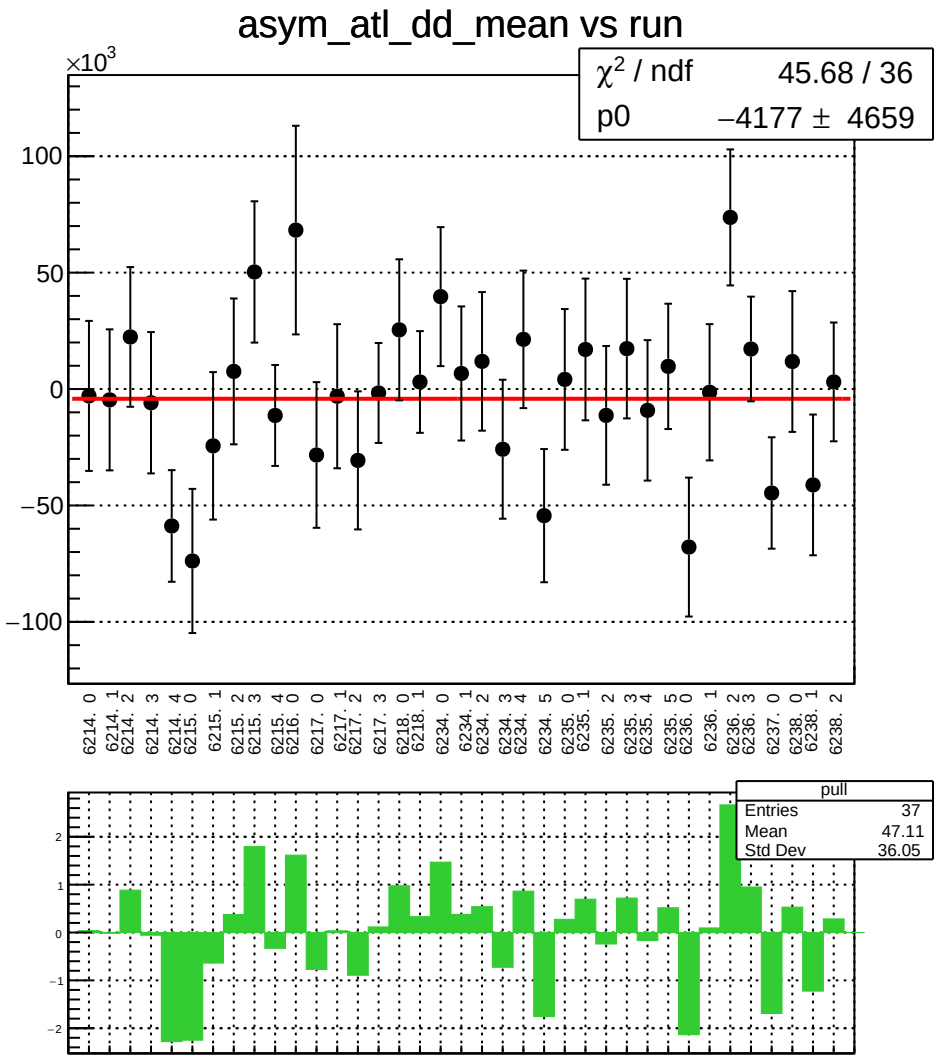

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 34.9 / 36
p0 578.7 ± 2576
100
80
60
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 90.84
Std Dev 80.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.02972
Std Dev 0.9707
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

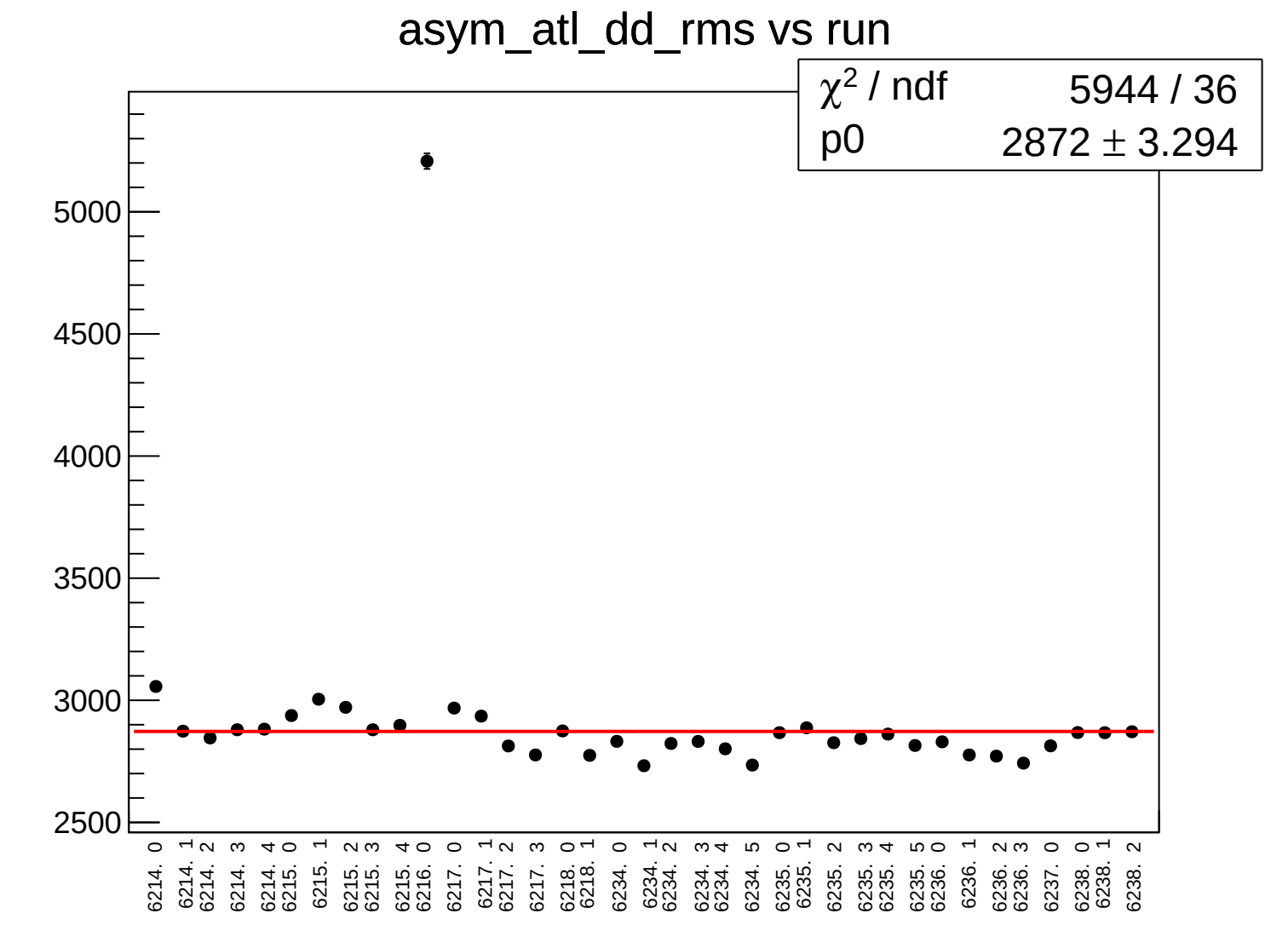

dit_asym_atl_dd_rms vs run
χ² / ndf 1.18e+04 / 36
p0 1582 ± 1.821
4500
4000
3500
3000
2500
2000
1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

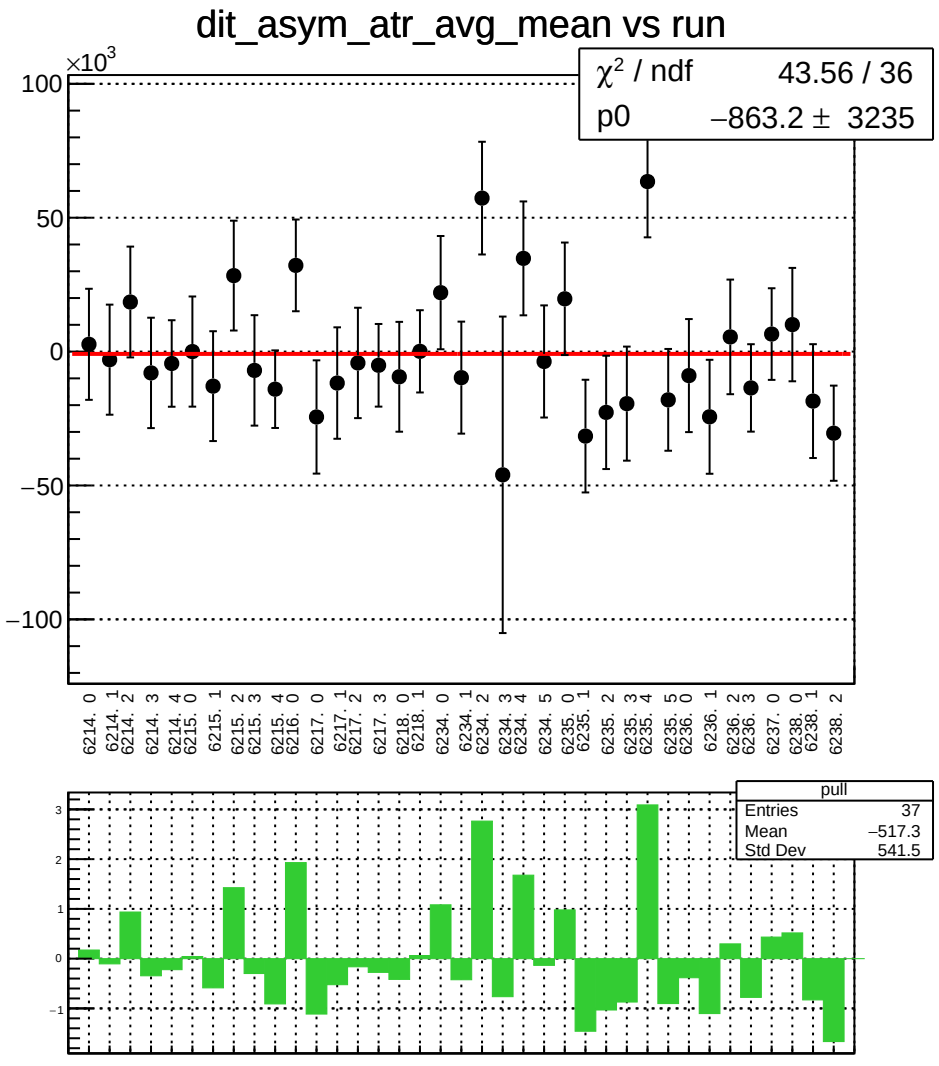

asym_atl_dd_correction_mean vs run
χ² / ndf 42.55 / 36
p0 4857 ± 3840
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −32.6
Std Dev 41.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

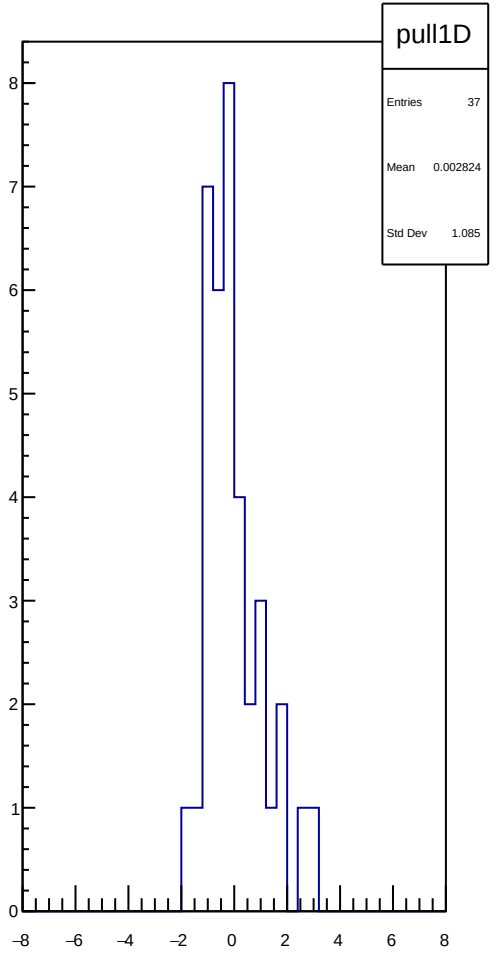

pull1D
Entries 37
Mean −0.008672
Std Dev 1.072
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

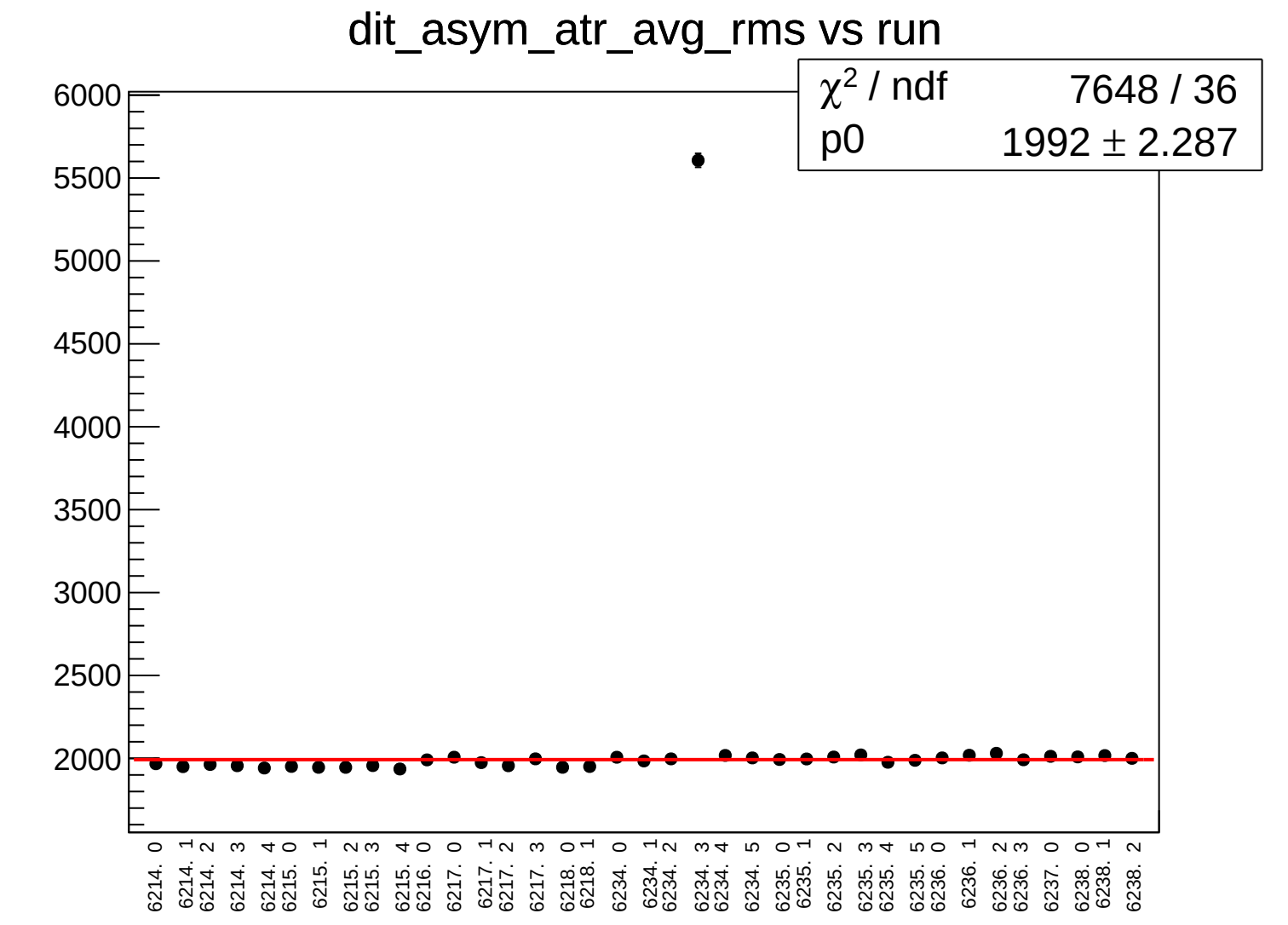

asym_atl_dd_correction_rms vs run
χ² / ndf 1133 / 36
p0 2375 ± 2.715
2700
2600
2500
2400
2300
2200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

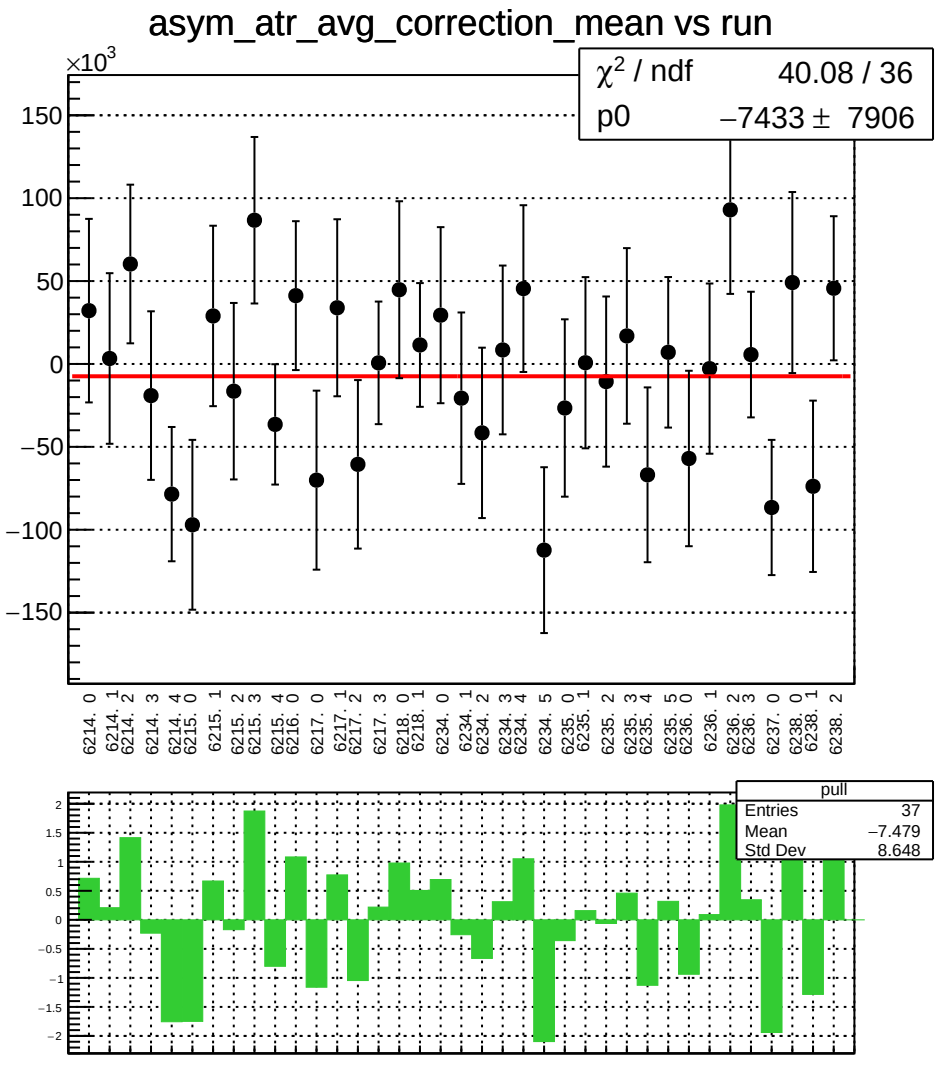

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 45.68 / 36
p0 −4177 ± 4659
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 47.11
Std Dev 36.05
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.0266
Std Dev 1.111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

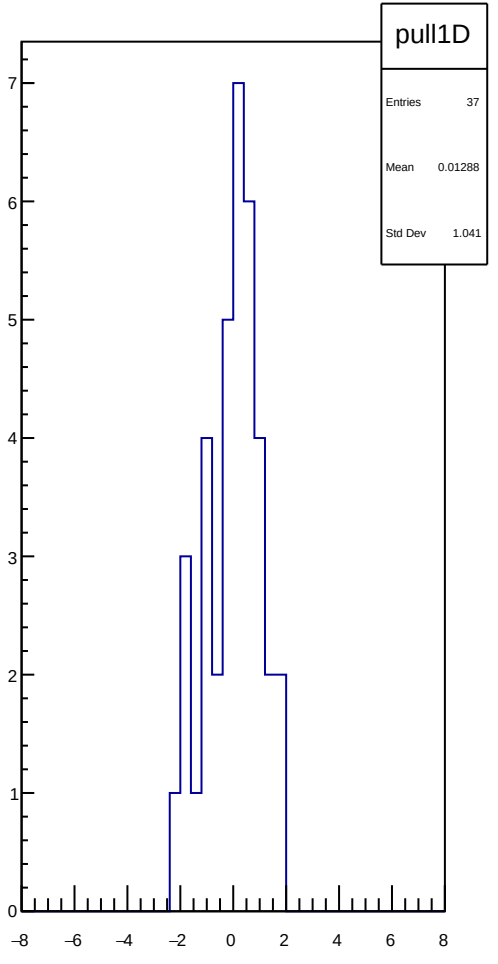

asym_atl_dd_rms vs run
χ² / ndf 5944 / 36
p0 2872 ± 3.294
5000
4500
4000
3500
3000
2500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

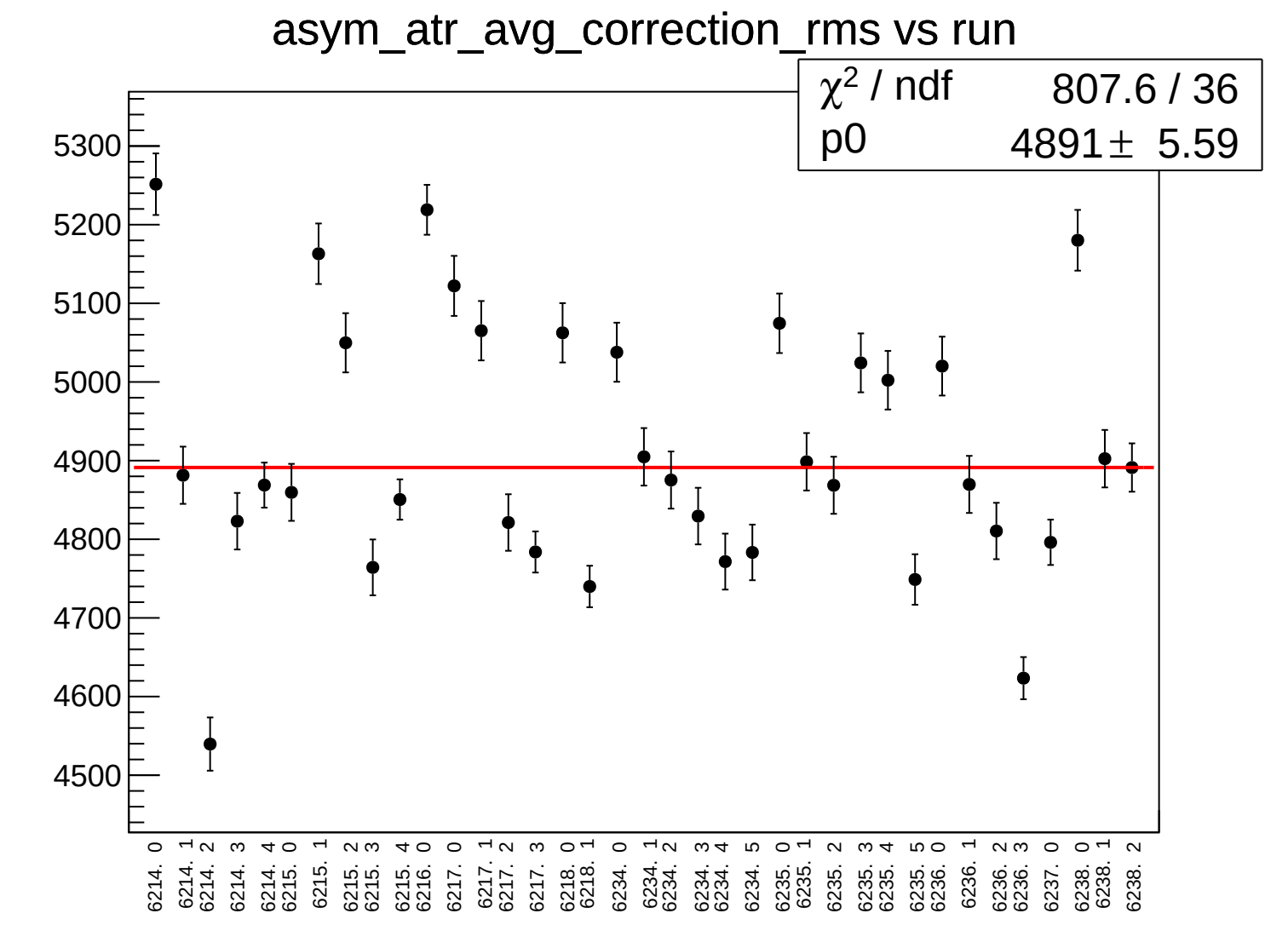

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 43.56 / 36
p0 −863.2 ± 3235
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −517.3
Std Dev 541.5
3
2
1
0
−1

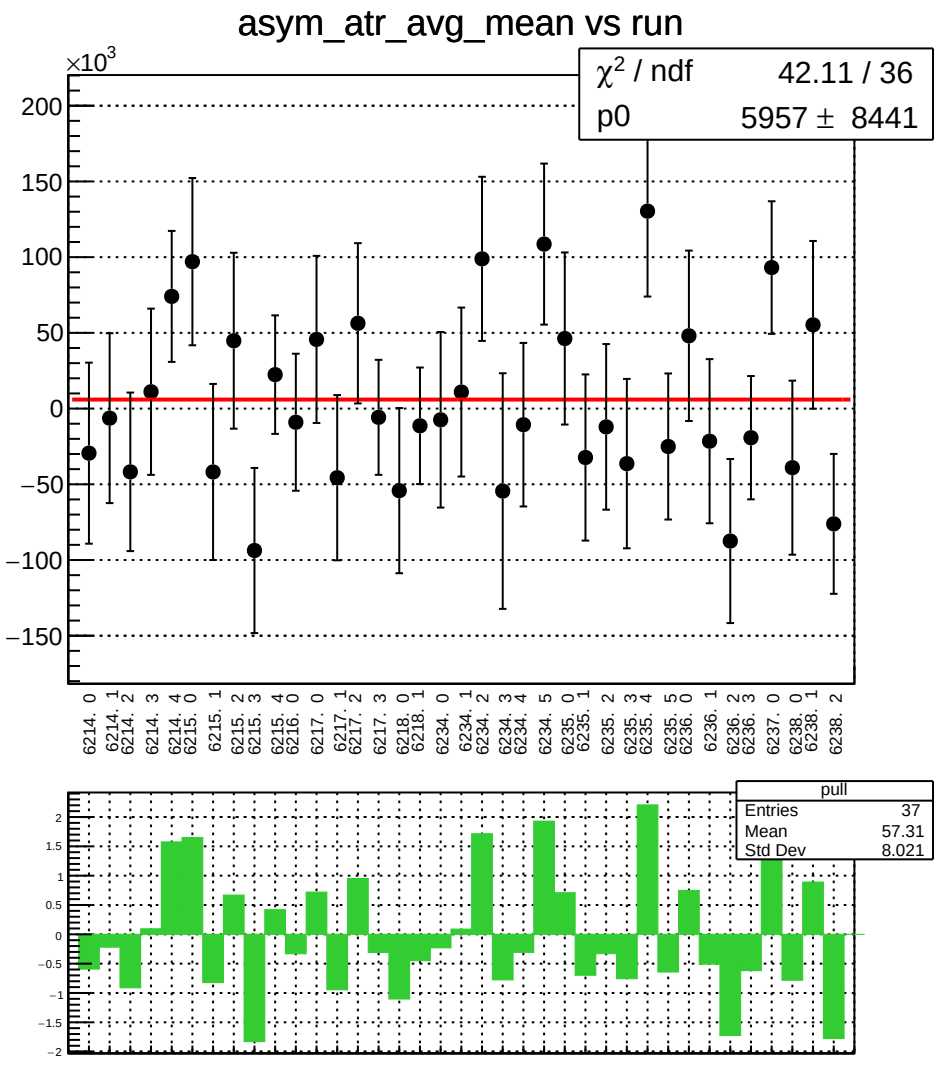

pull1D
Entries 37
Mean 0.002824
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

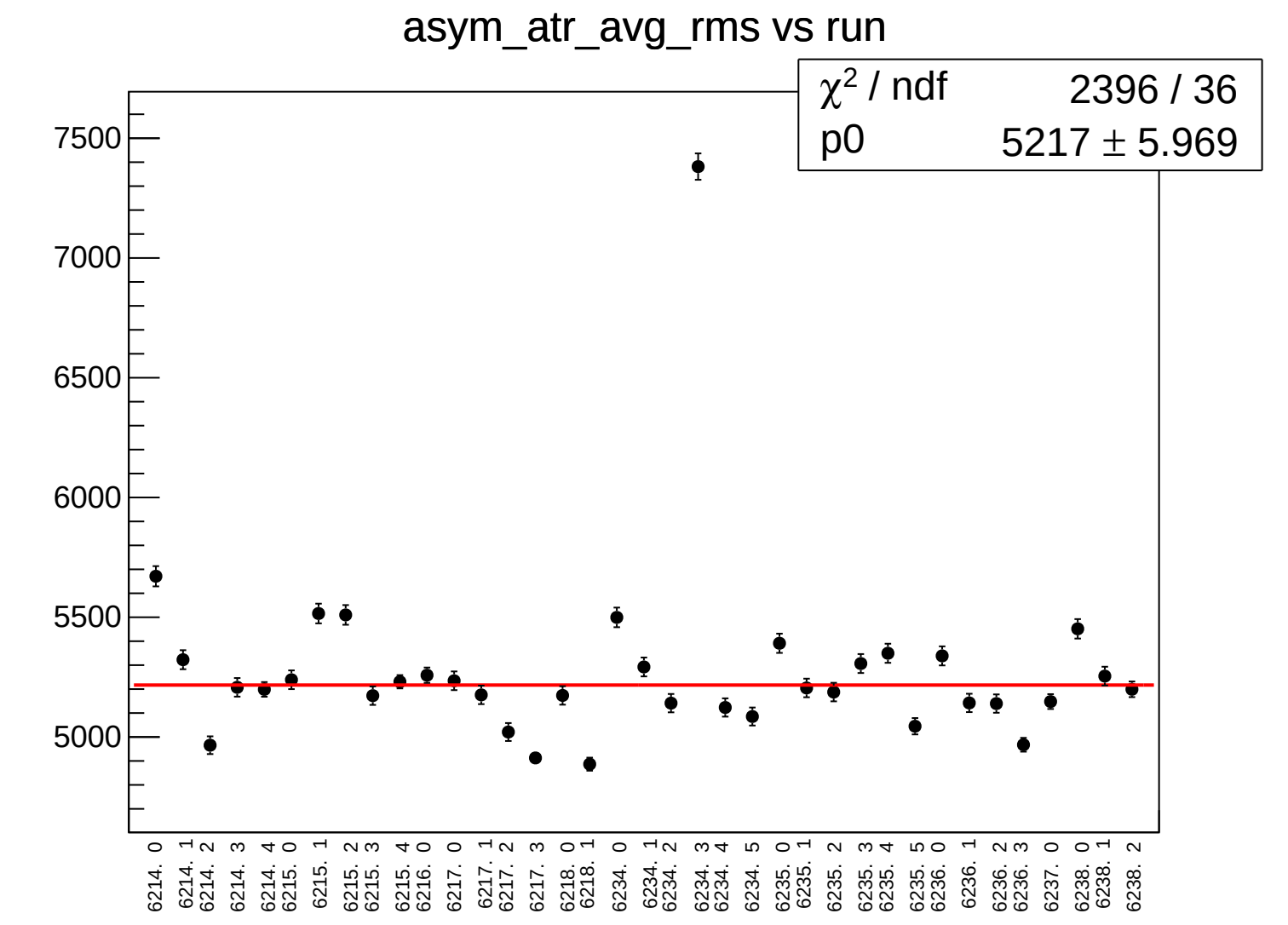

dit_asym_atr_avg_rms vs run
χ^2 / ndf 7648 / 36
p0 1992 ± 2.287
6000
5500
5000
4500
4000
3500
3000
2500
2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

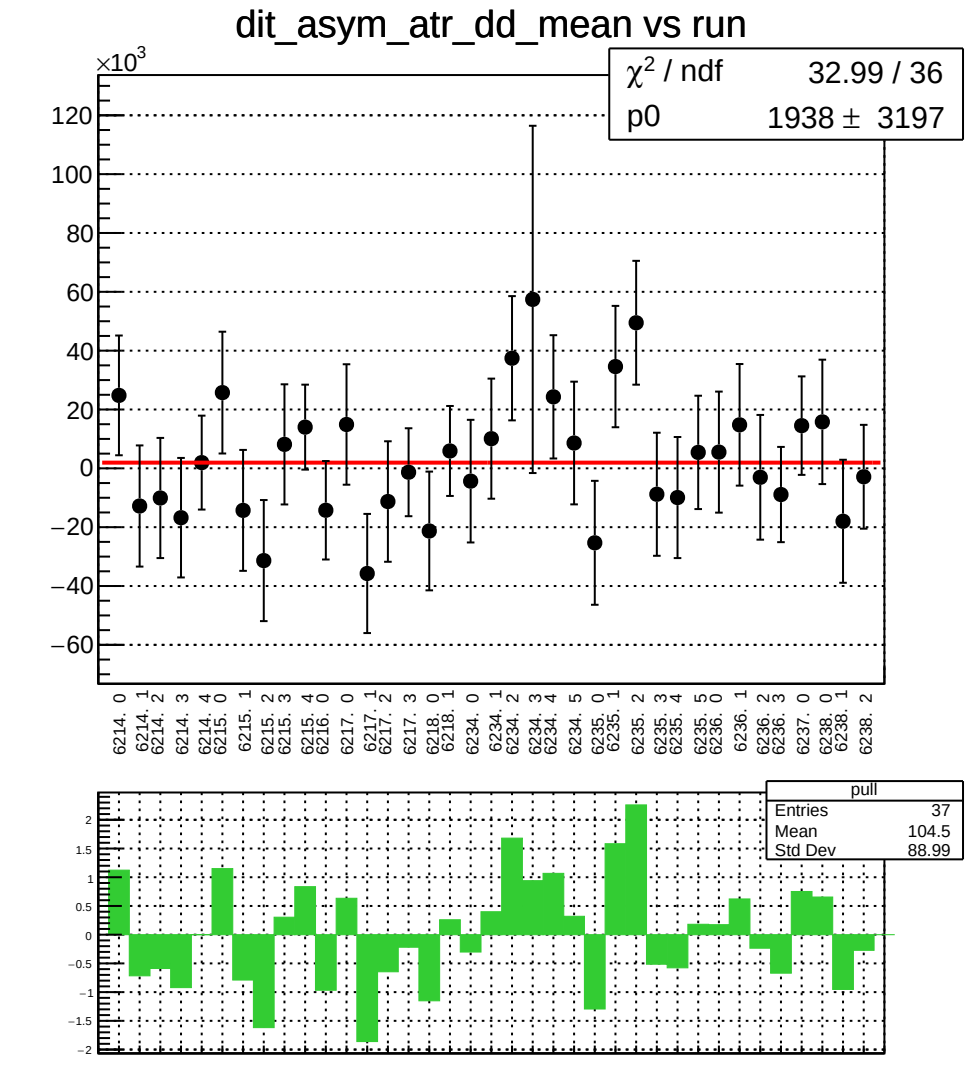

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 40.08 / 36
p0 −7433 ± 7906
150
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.479
Std Dev 8.648
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

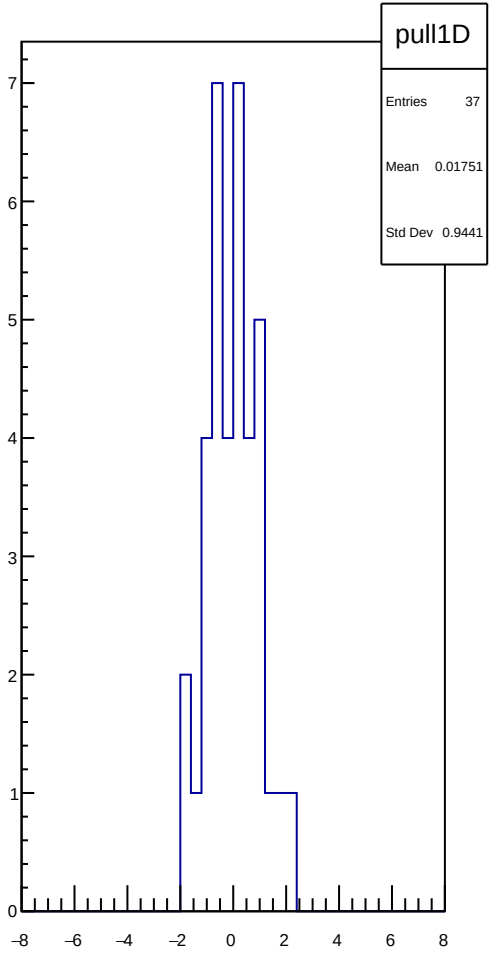

pull1D
Entries 37
Mean 0.01288
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

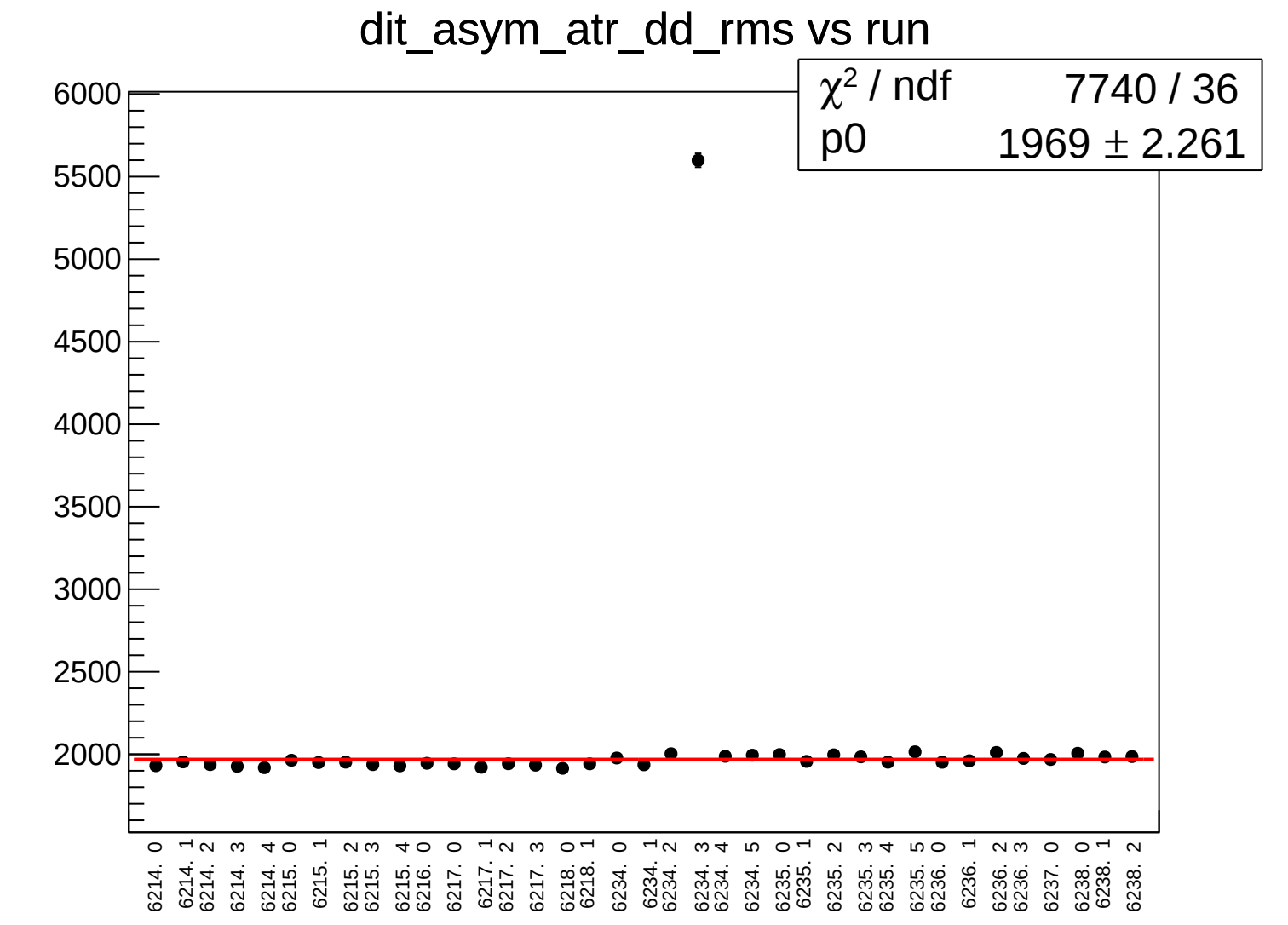

asym_atr_avg_correction_rms vs run
χ² / ndf 807.6 / 36
p0 4891 ± 5.59
5300
5200
5100
5000
4900
4800
4700
4600
4500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

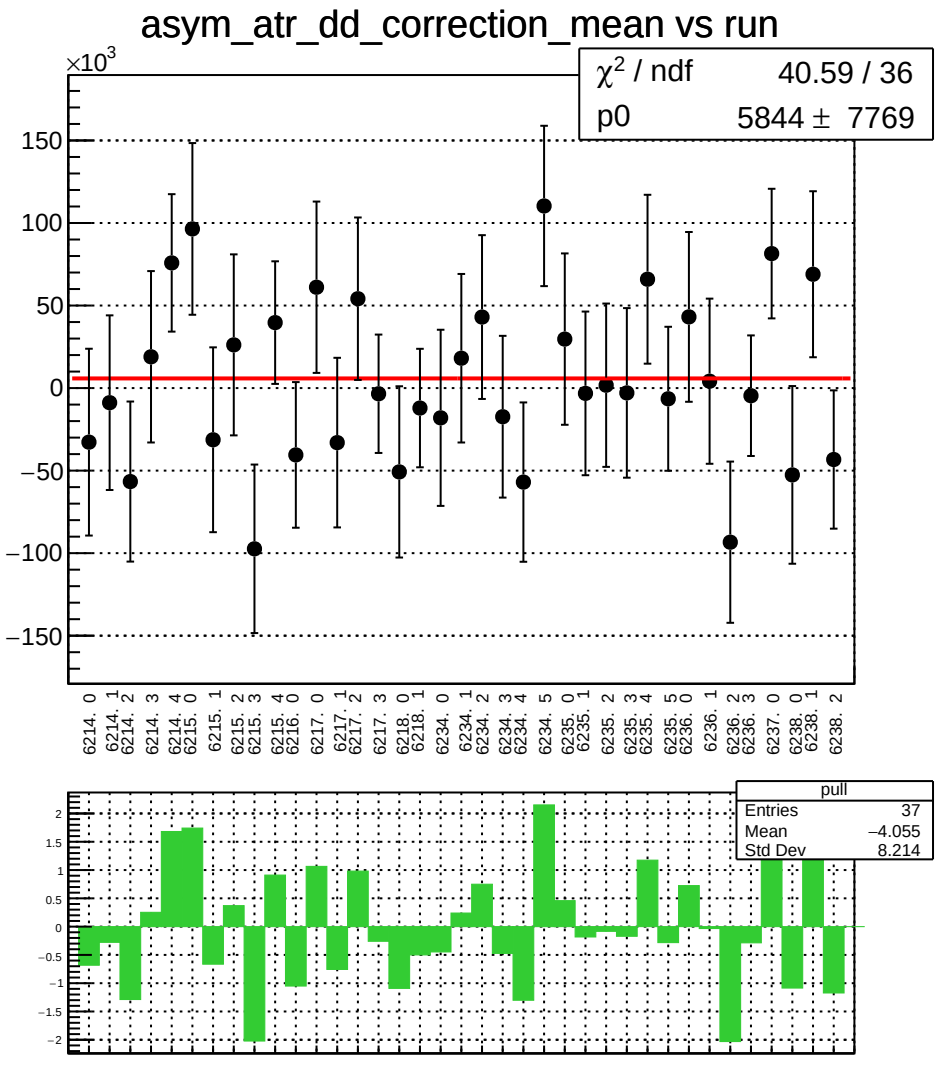

asym_atr_avg_mean vs run
×10^3
χ² / ndf 42.11 / 36
p0 5957 ± 8441
200
150
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 57.31
Std Dev 8.021
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.008183
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

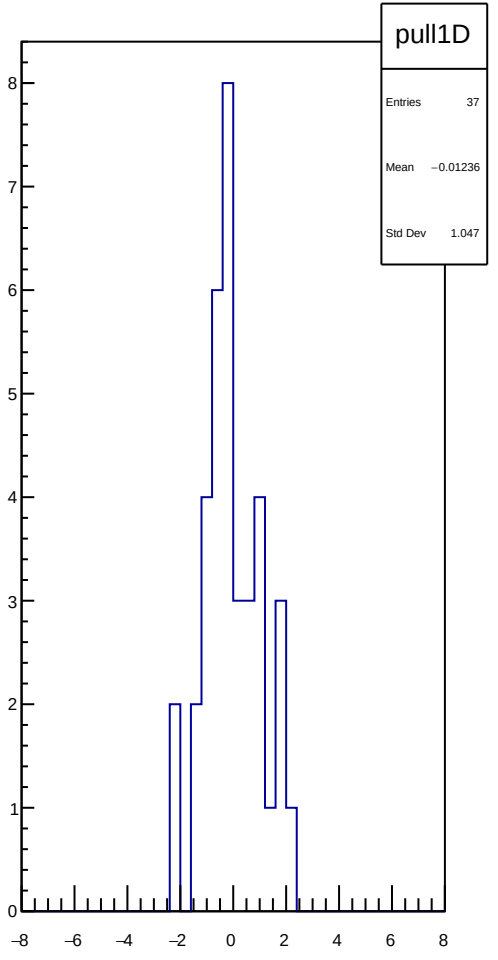

asym_atr_avg_rms vs run
χ² / ndf 2396 / 36
p0 5217 ± 5.969
7500
7000
6500
6000
5500
5000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

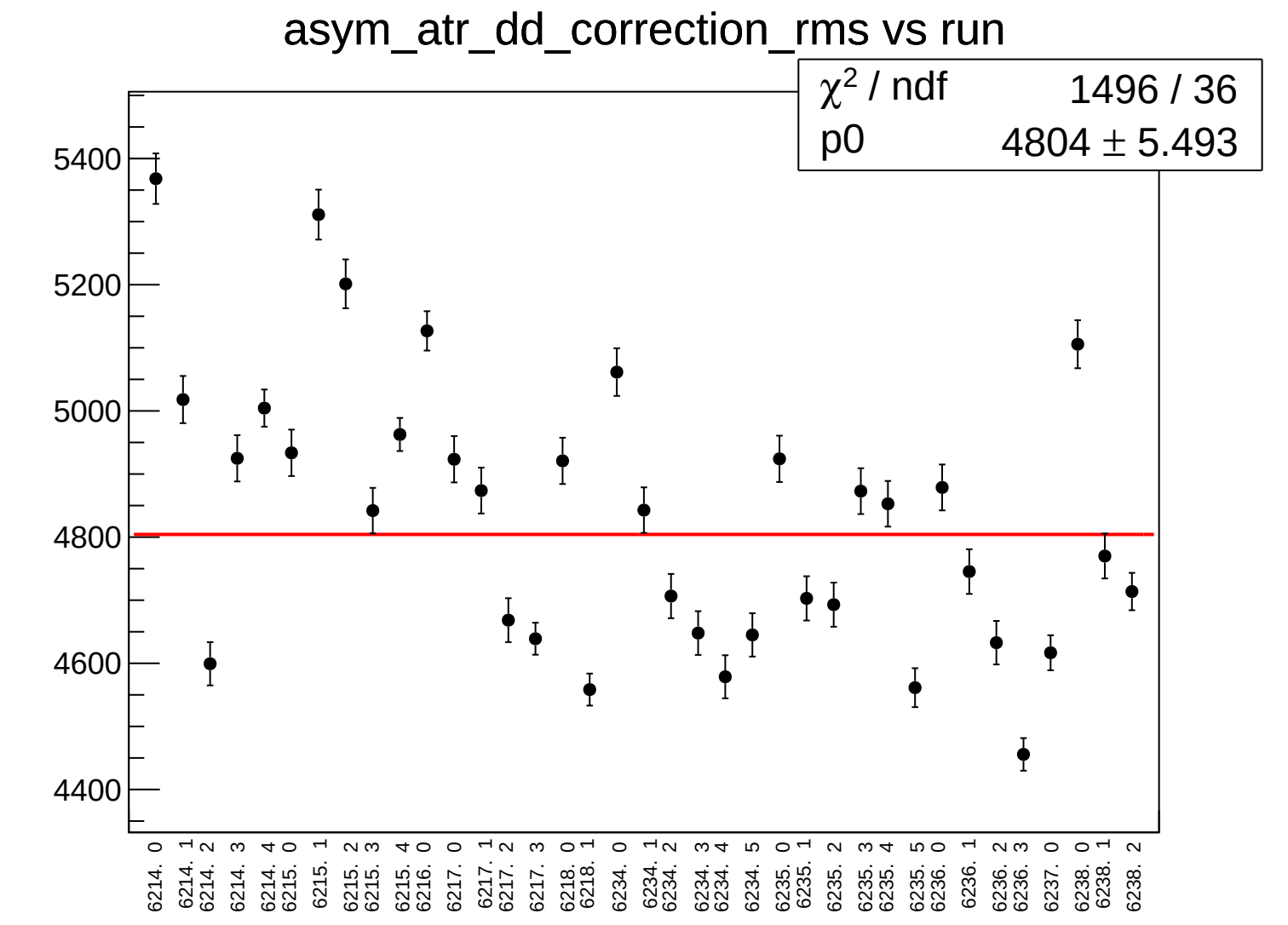

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 32.99 / 36
p0 1938 ± 3197
120
100
80
60
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 104.5
Std Dev 88.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

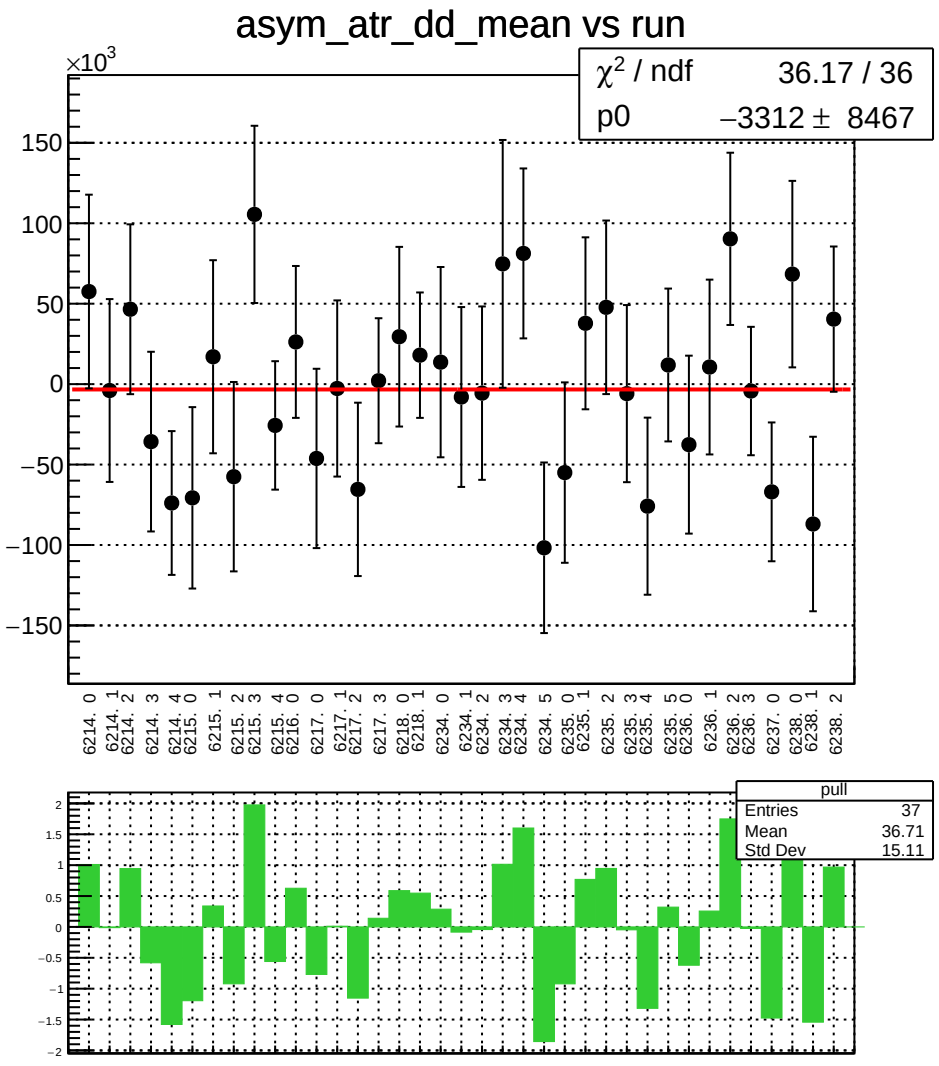

pull1D
Entries 37
Mean 0.01751
Std Dev 0.9441
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

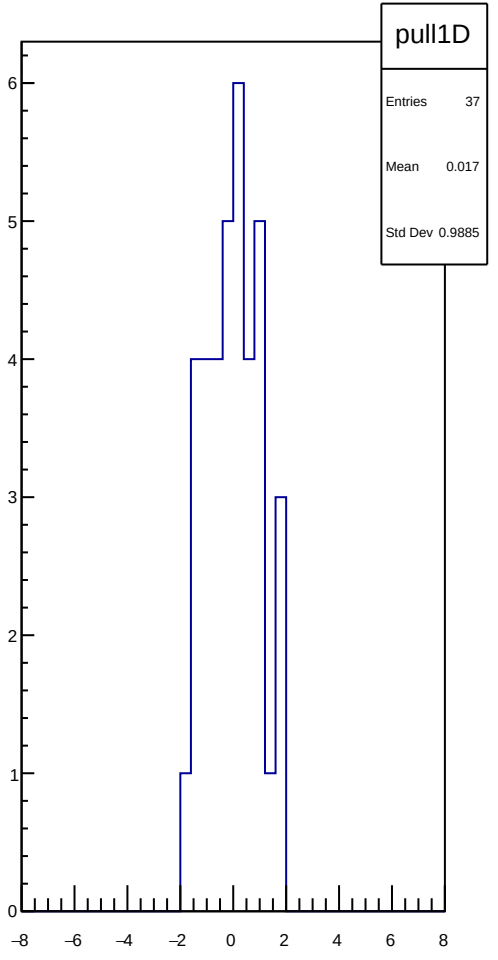

dit_asym_atr_dd_rms vs run
χ² / ndf 7740 / 36
p0 1969 ± 2.261
6000
5500
5000
4500
4000
3500
3000
2500
2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

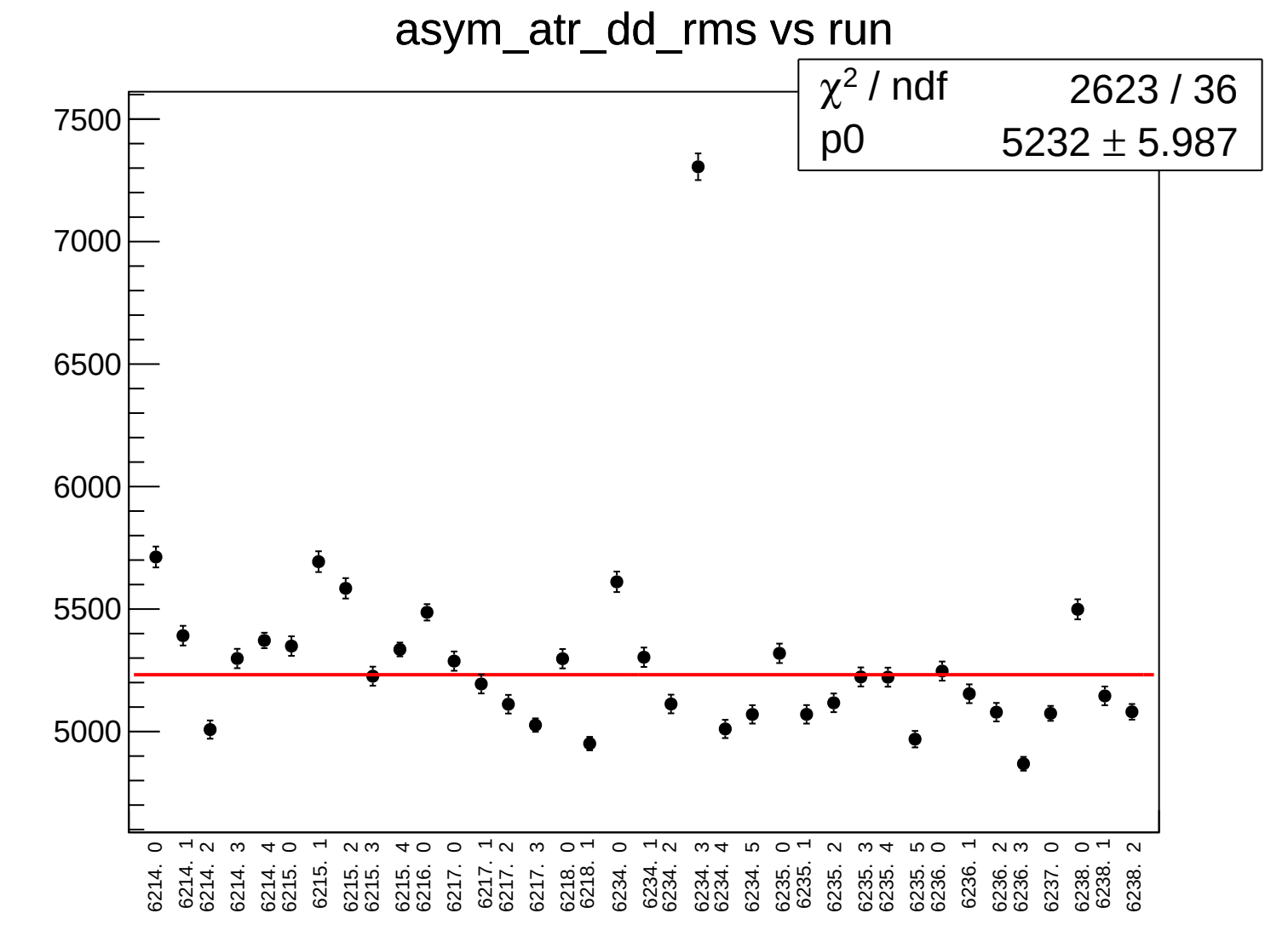

asym_atr_dd_correction_mean vs run
χ² / ndf 40.59 / 36
p0 5844 ± 7769
×10³
150
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −4.055
Std Dev 8.214
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

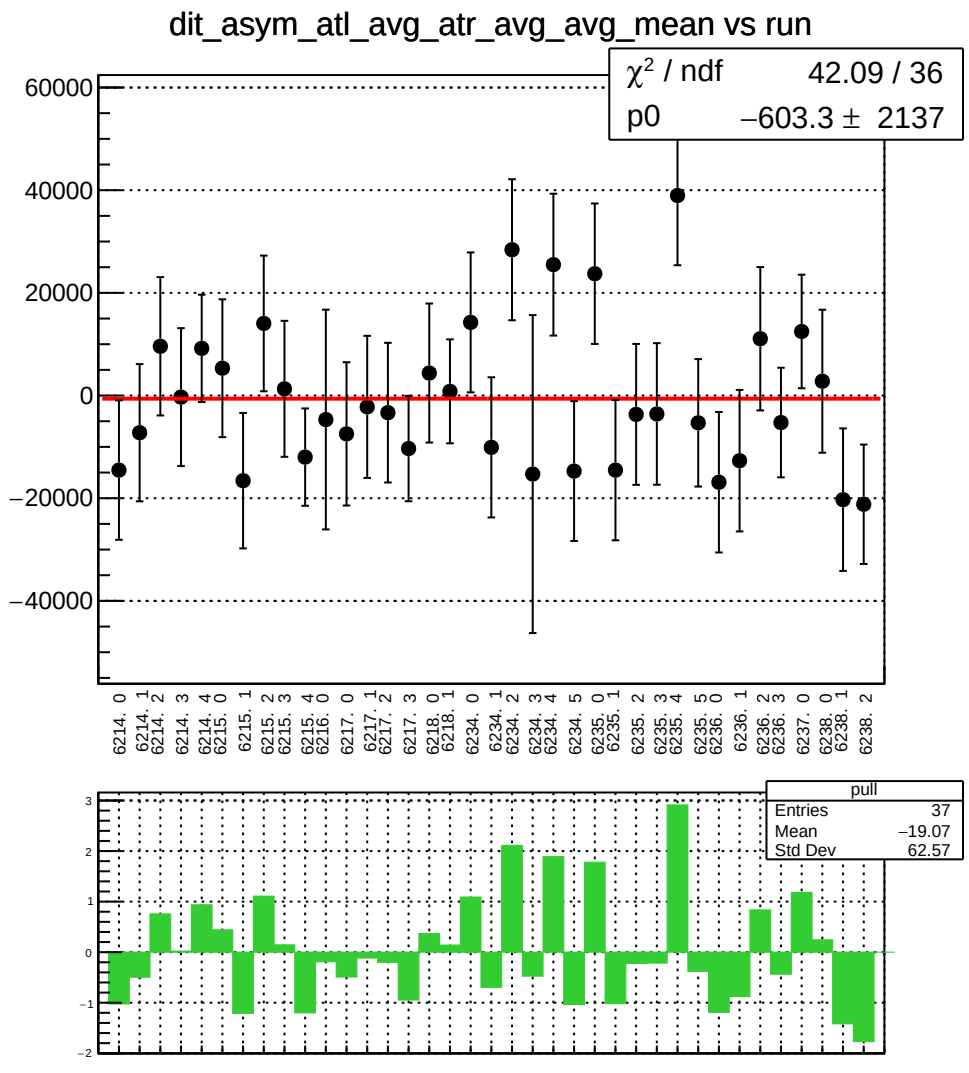

pull1D
Entries 37
Mean −0.01236
Std Dev 1.047
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

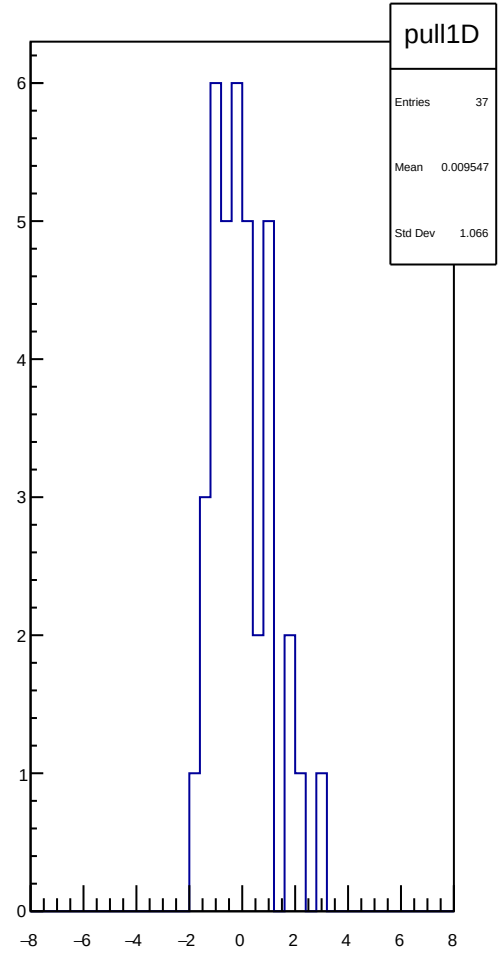

asym_atr_dd_correction_rms vs run
χ² / ndf 1496 / 36
p0 4804 ± 5.493
5400
5200
5000
4800
4600
4400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

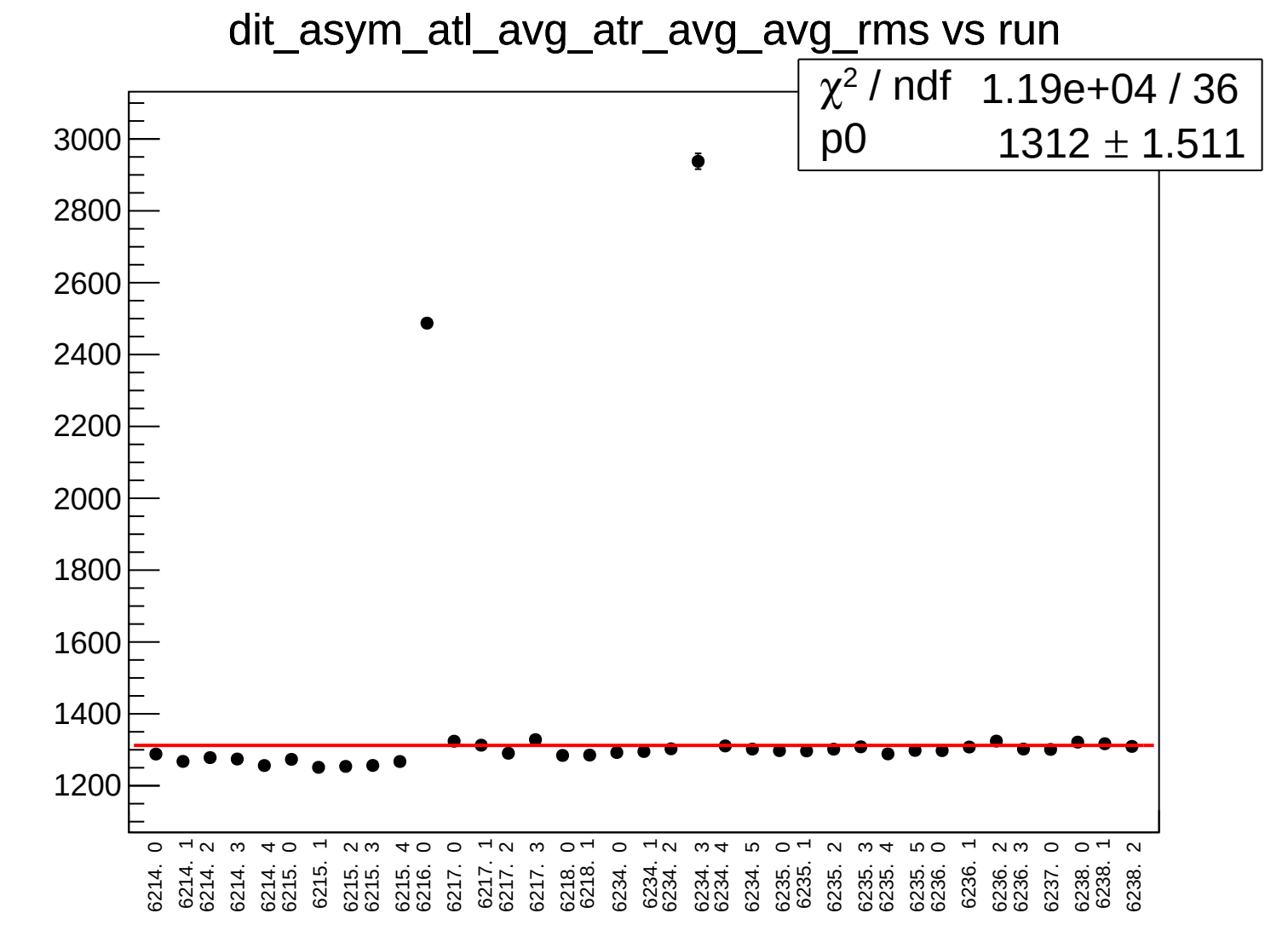

asym_atr_dd_mean vs run
×10^3
χ² / ndf 36.17 / 36
p0 −3312 ± 8467
150
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 36.71
Std Dev 15.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

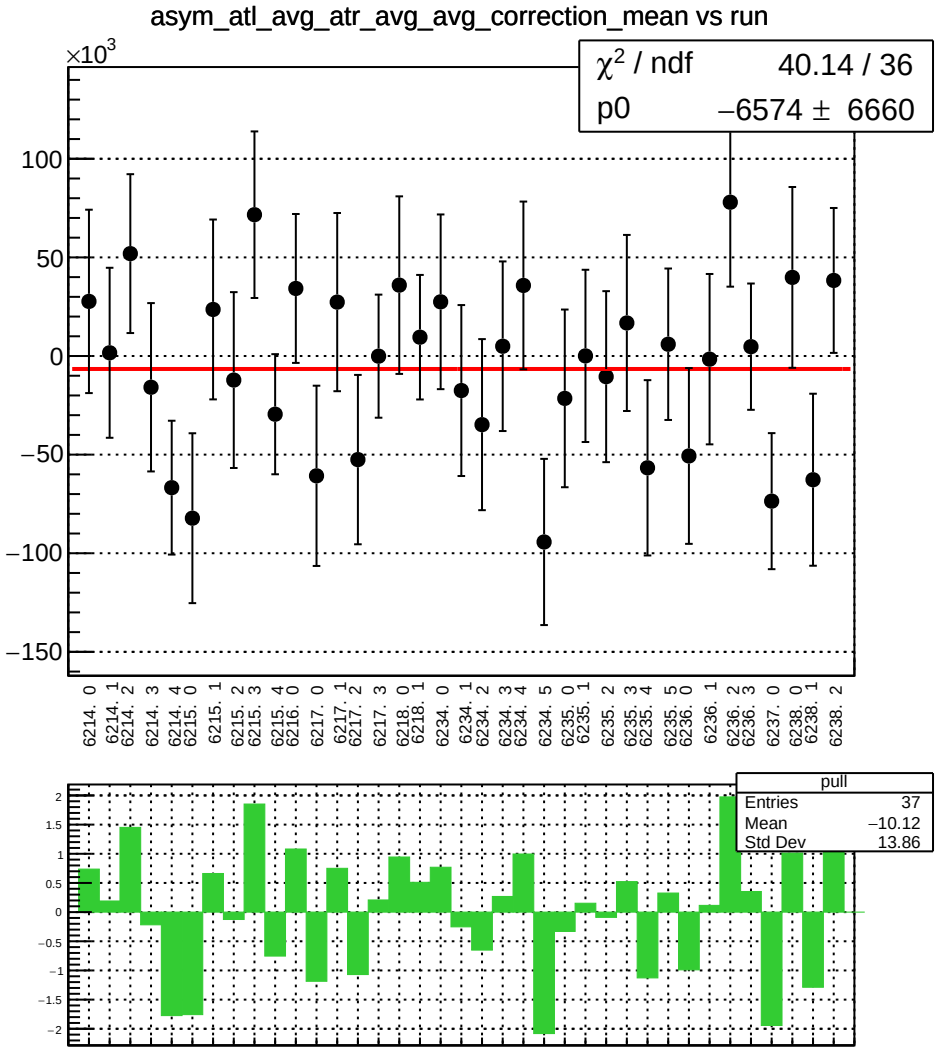

pull1D
Entries 37
Mean 0.017
Std Dev 0.9885
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

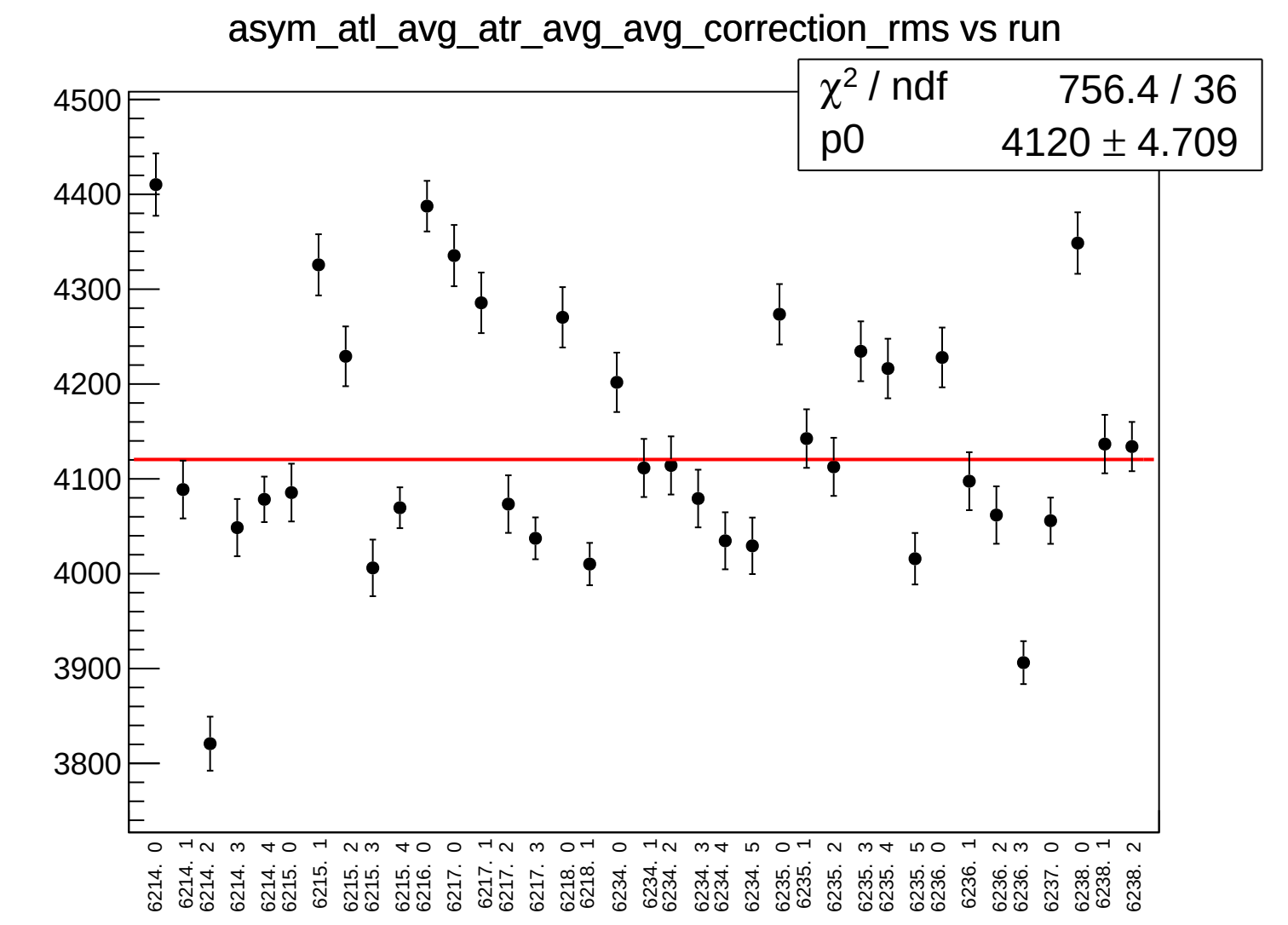

asym_atr_dd_rms vs run
χ² / ndf 2623 / 36
p0 5232 ± 5.987
7500
7000
6500
6000
5500
5000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

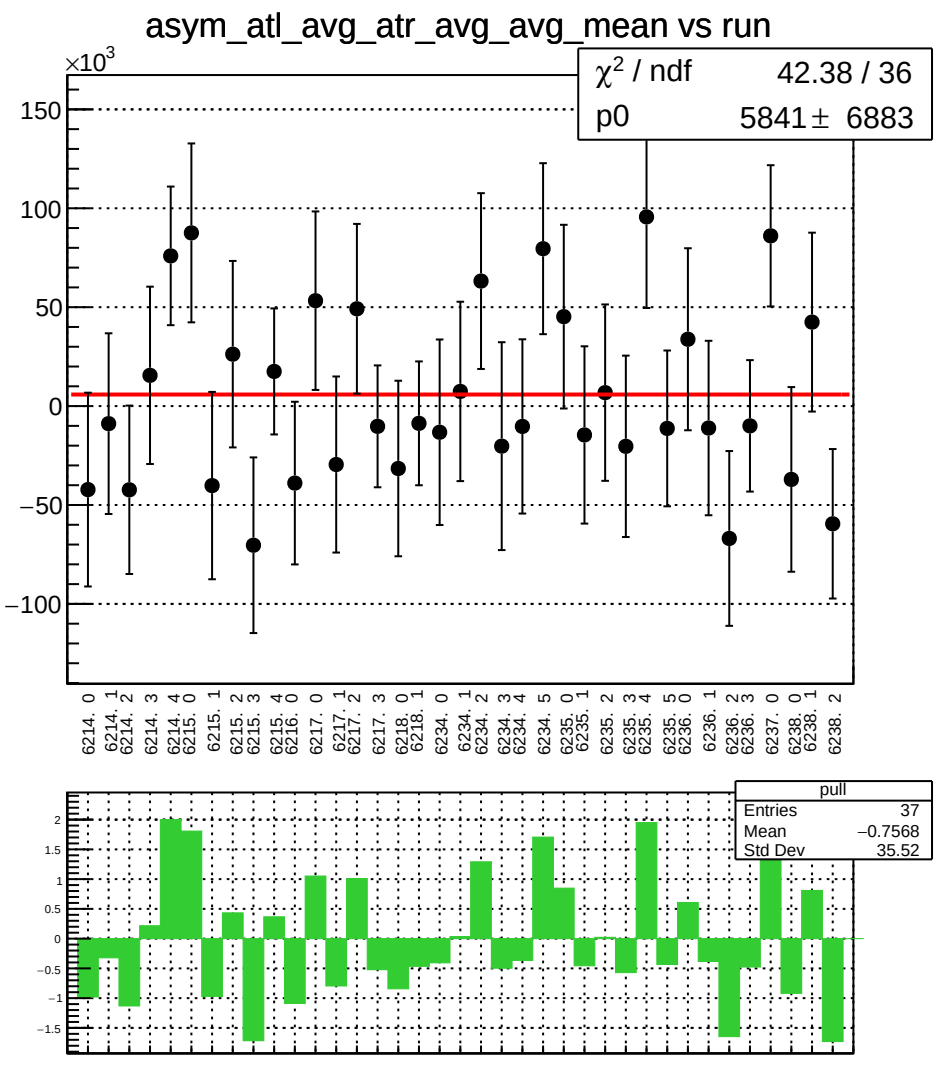

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 42.09 / 36
p0 −603.3 ± 2137
60000
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −19.07
Std Dev 62.57
3
2
1
0
−1
−2

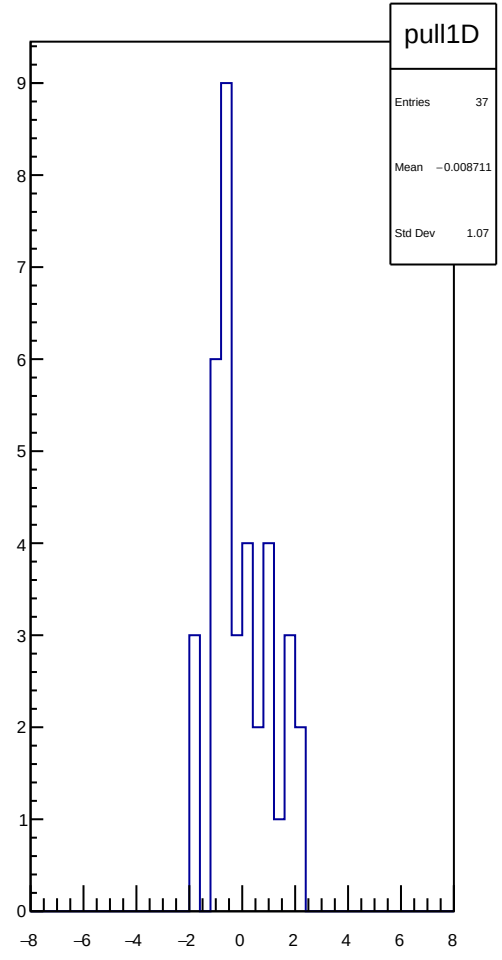

pull1D
Entries 37
Mean 0.009547
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

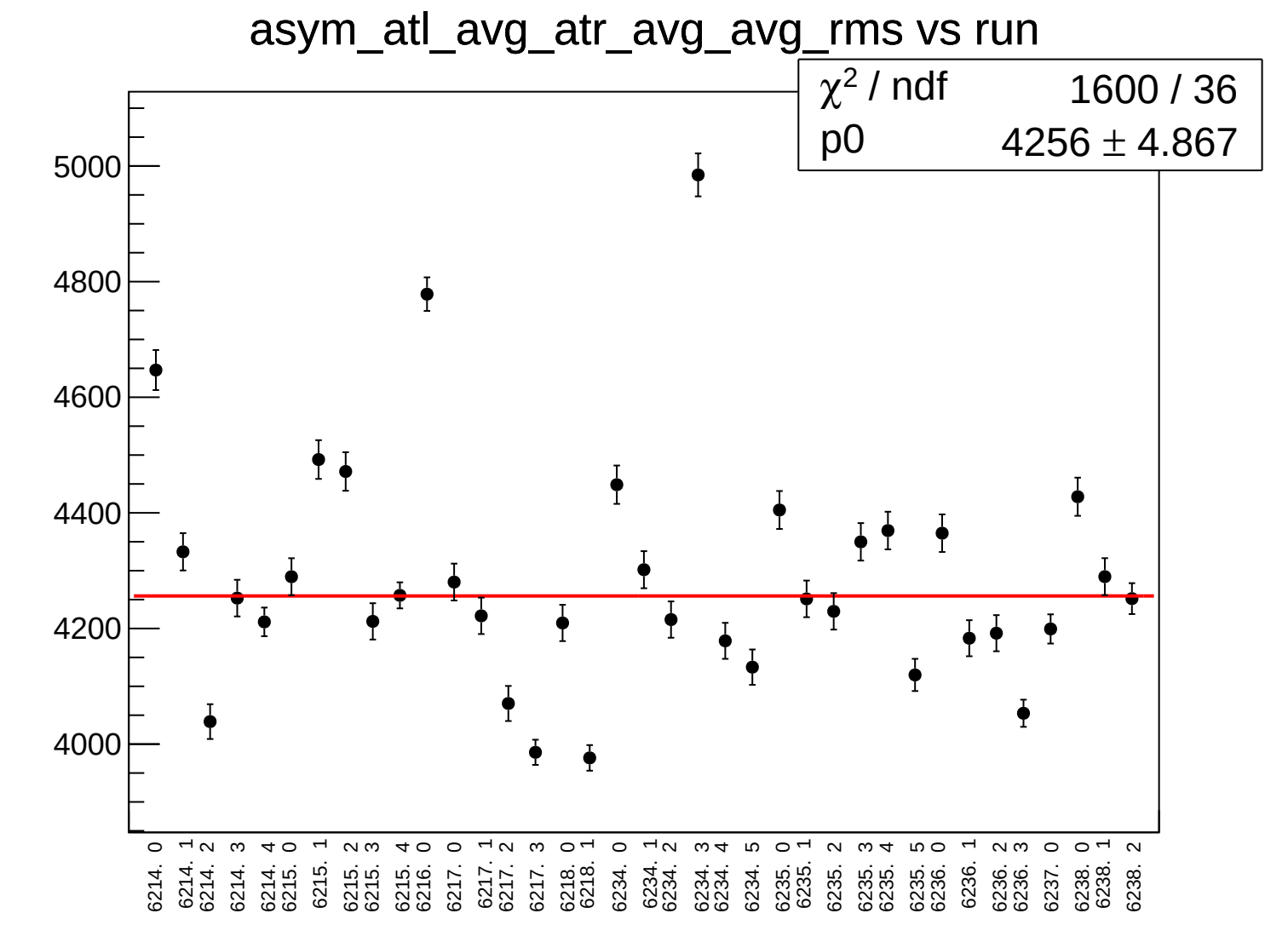

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.19e+04 / 36
p0 1312 ± 1.511
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

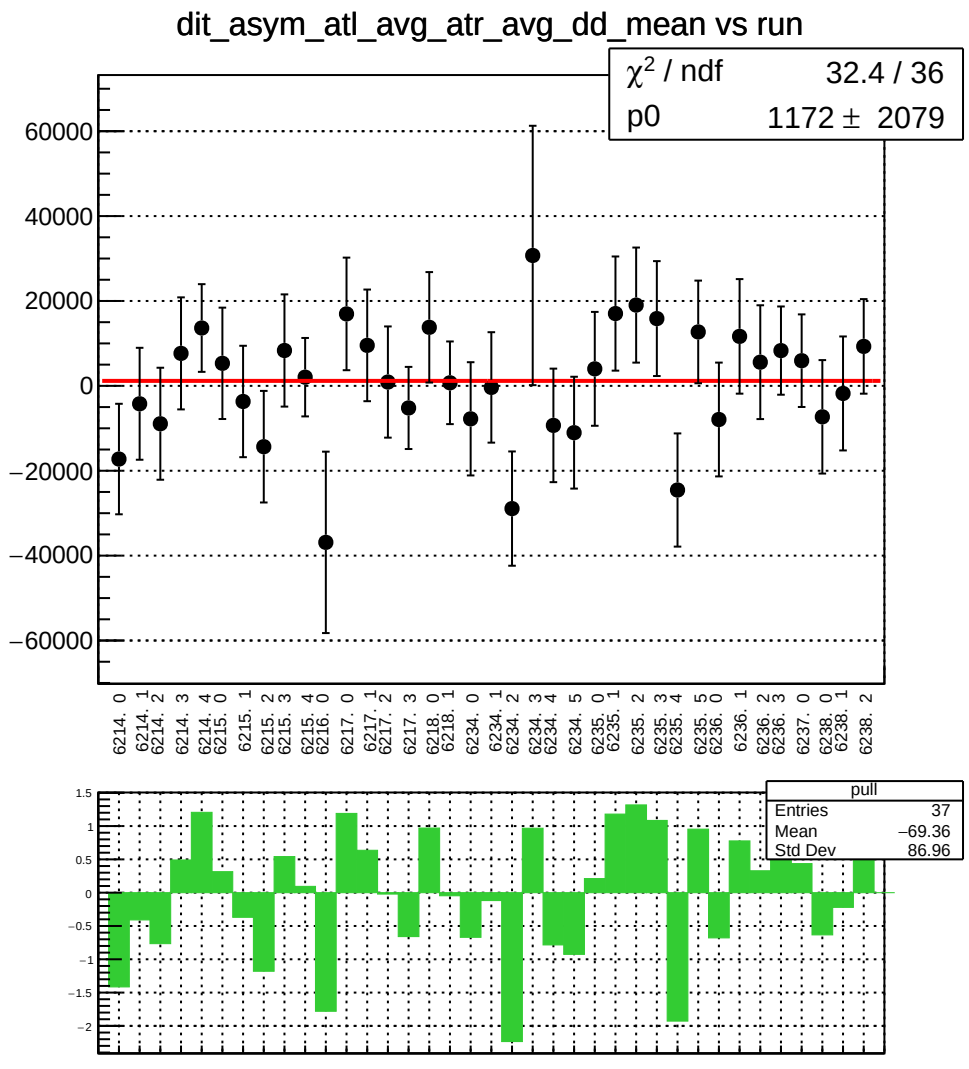

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 40.14 / 36
p0 −6574 ± 6660
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −10.12
Std Dev 13.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01258
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

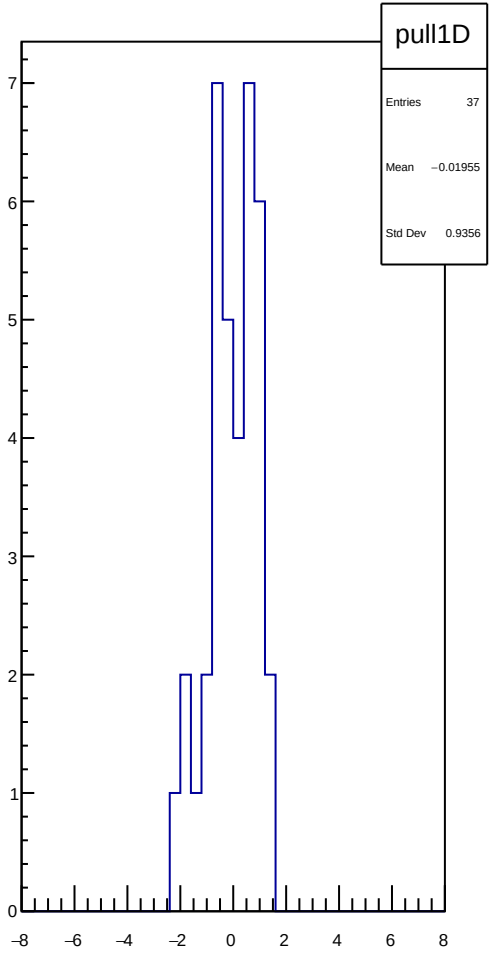

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 756.4 / 36
p0 4120 ± 4.709
4500
4400
4300
4200
4100
4000
3900
3800
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

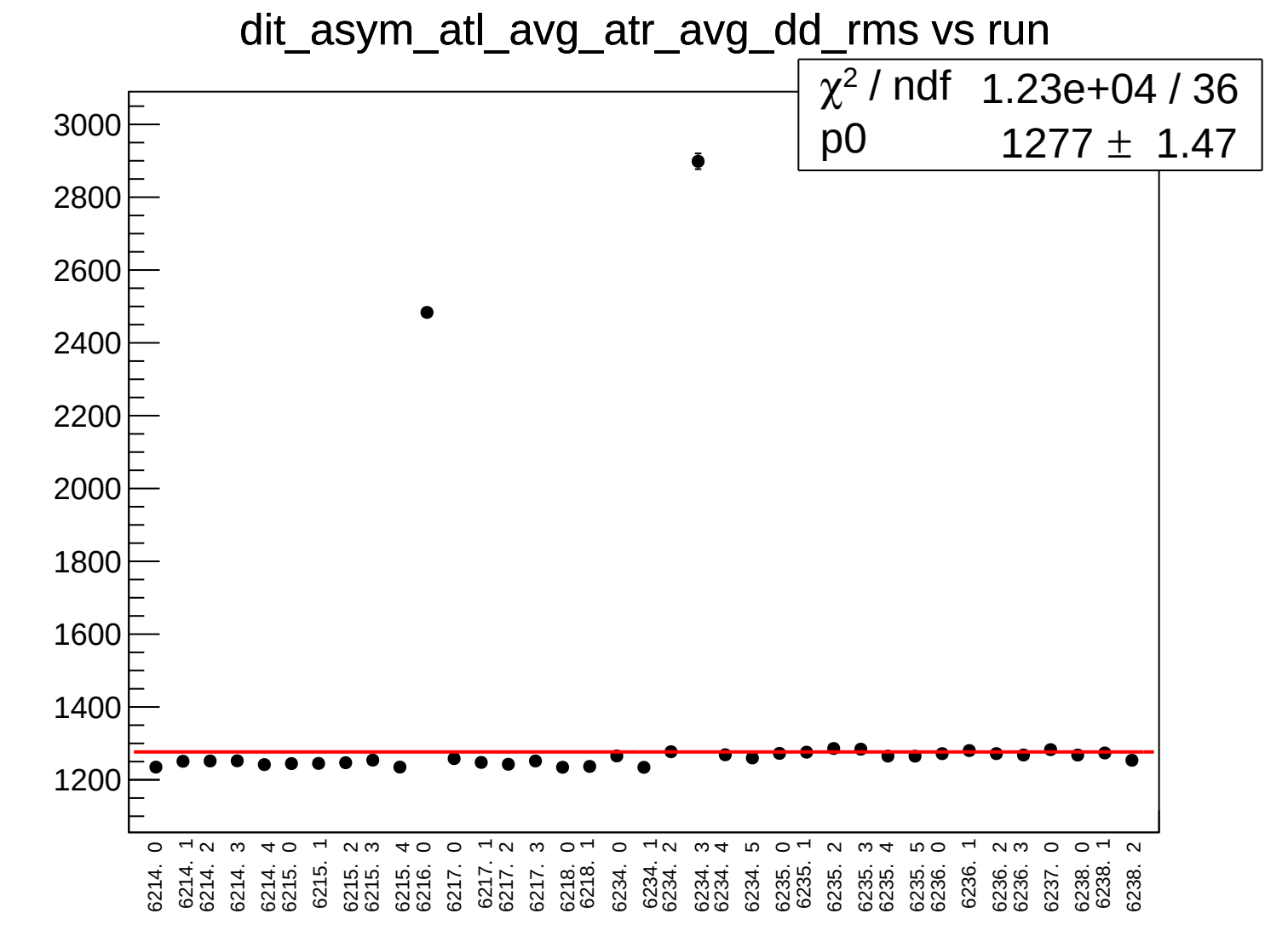

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 42.38 / 36
p0 5841 ± 6883
150
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −0.7568
Std Dev 35.52
2
1.5
1
0.5
0
−0.5
−1
−1.5

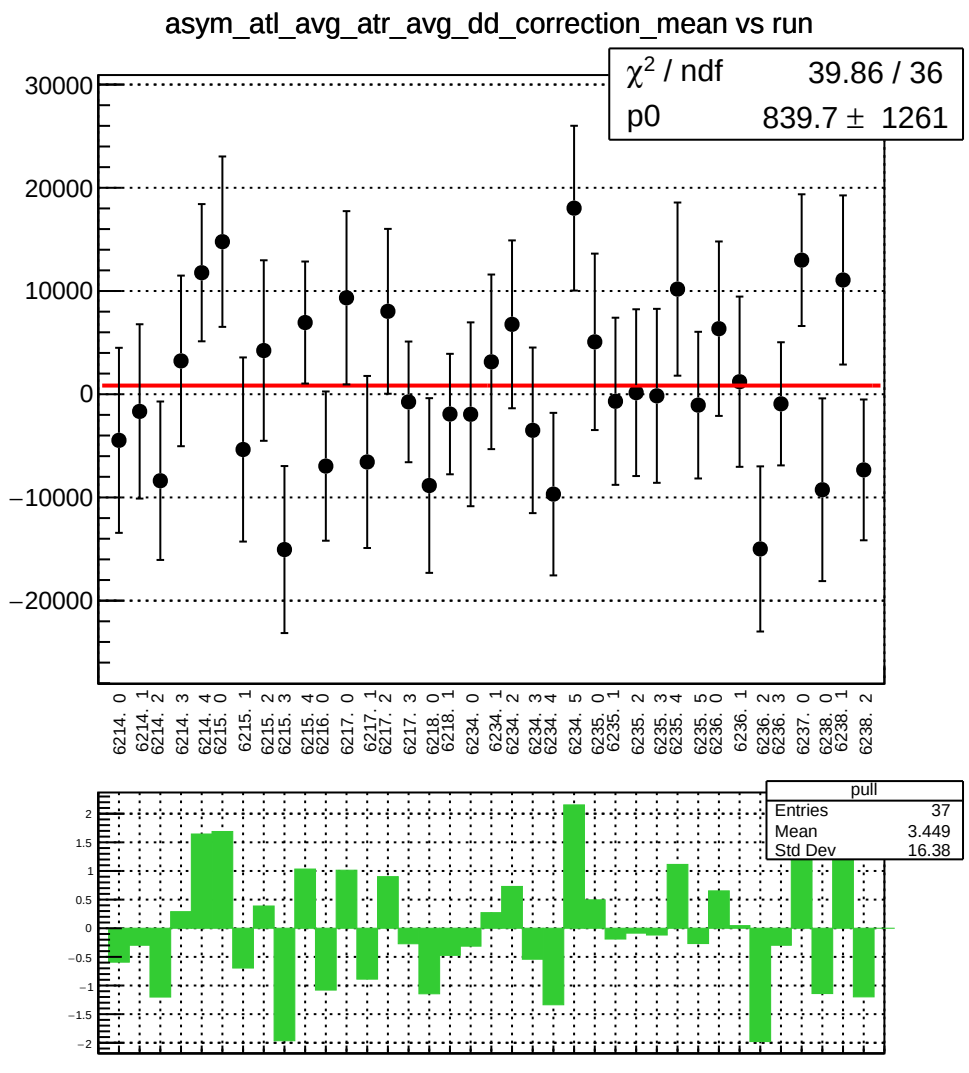

pull1D
Entries 37
Mean −0.008711
Std Dev 1.07
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

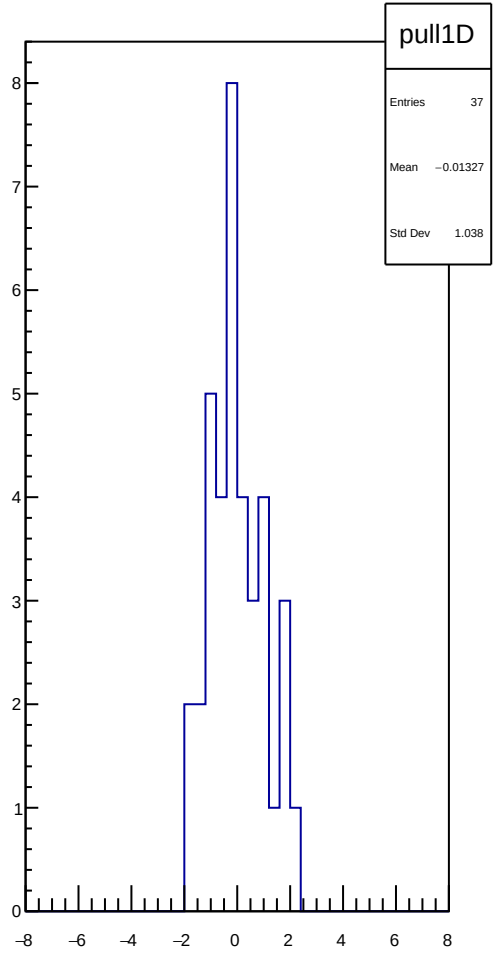

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1600 / 36
p0 4256 ± 4.867
5000
4800
4600
4400
4200
4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

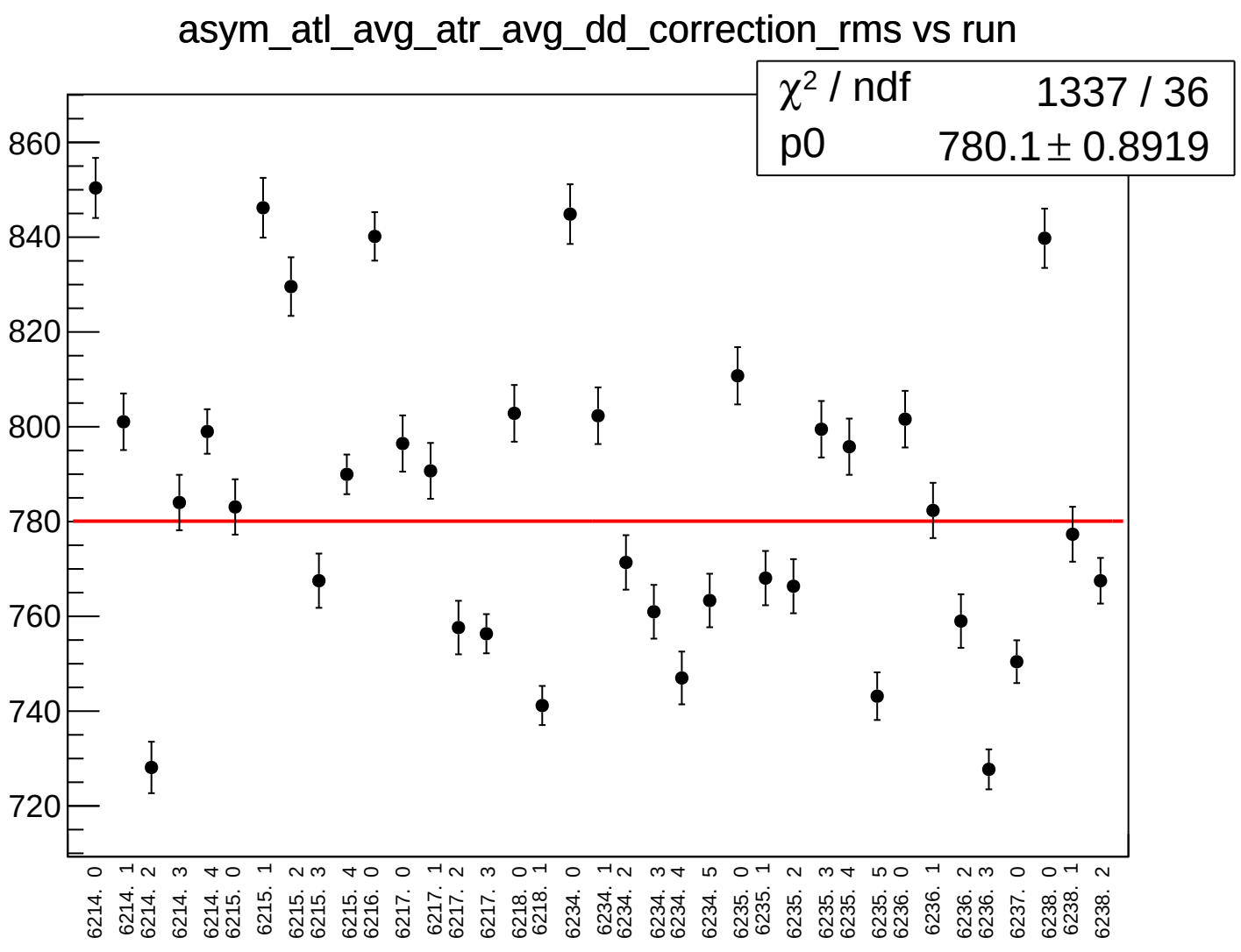

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 32.4 / 36
p0 1172 ± 2079
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −69.36
Std Dev 86.96
1.5
1
0.5
0
−0.5
−1
−1.5
−2

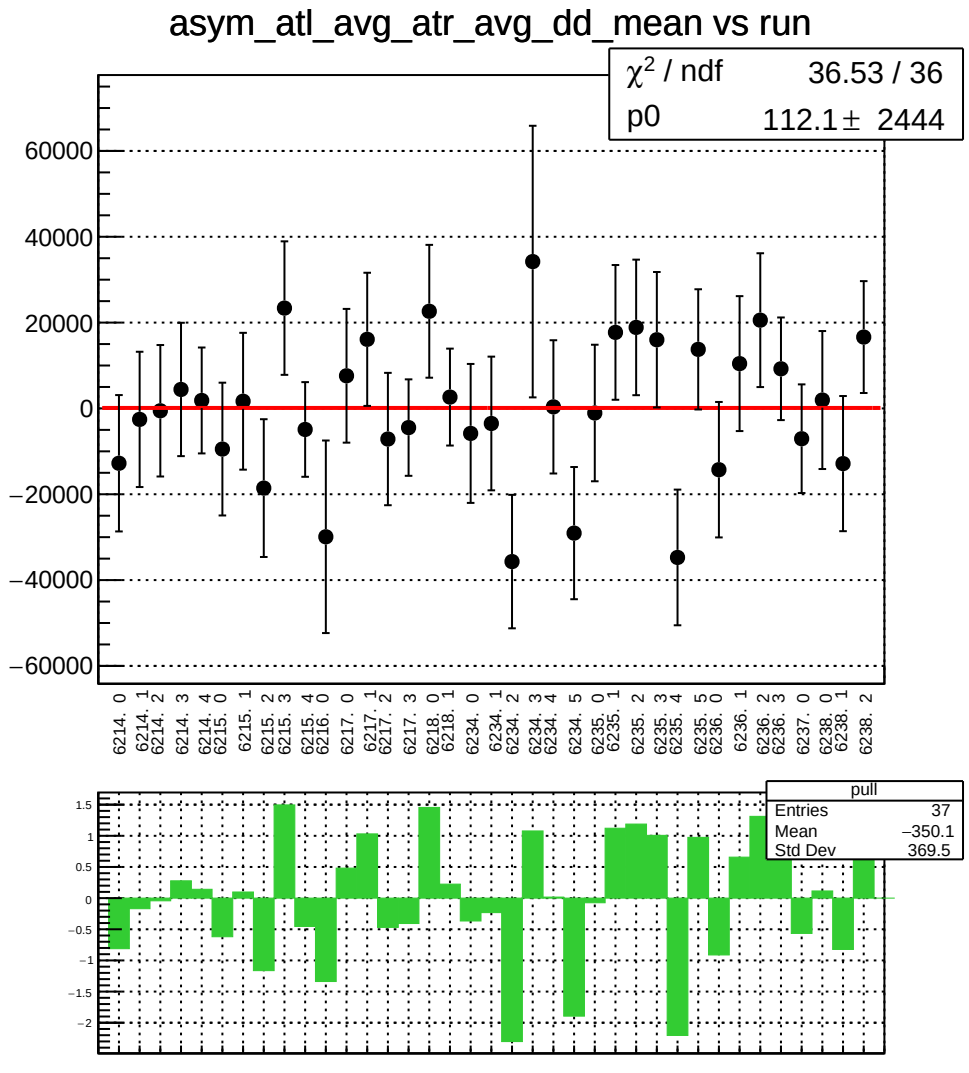

pull1D
Entries 37
Mean −0.01955
Std Dev 0.9356
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

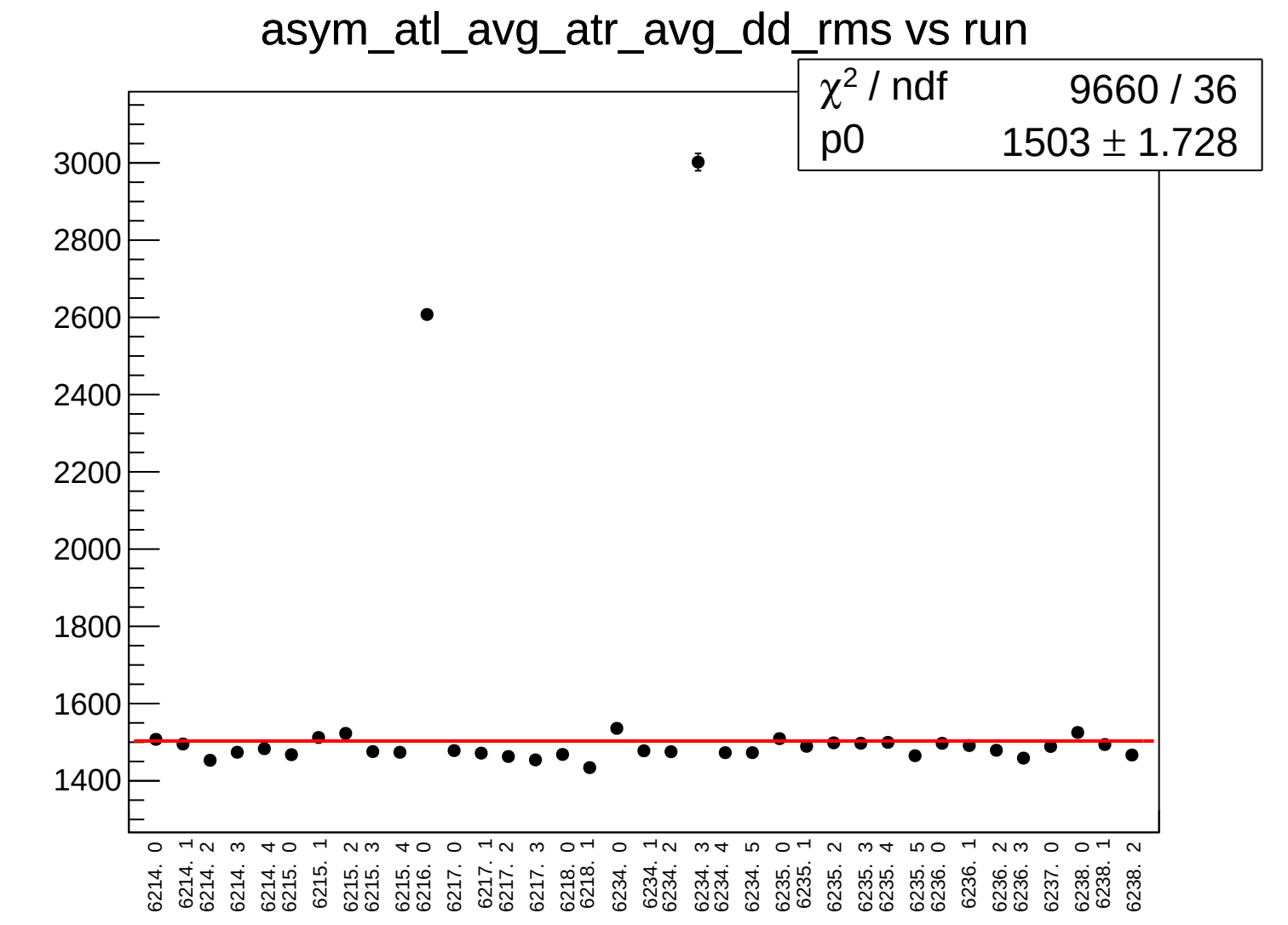

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.23e+04 / 36
p0 1277 ± 1.47
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

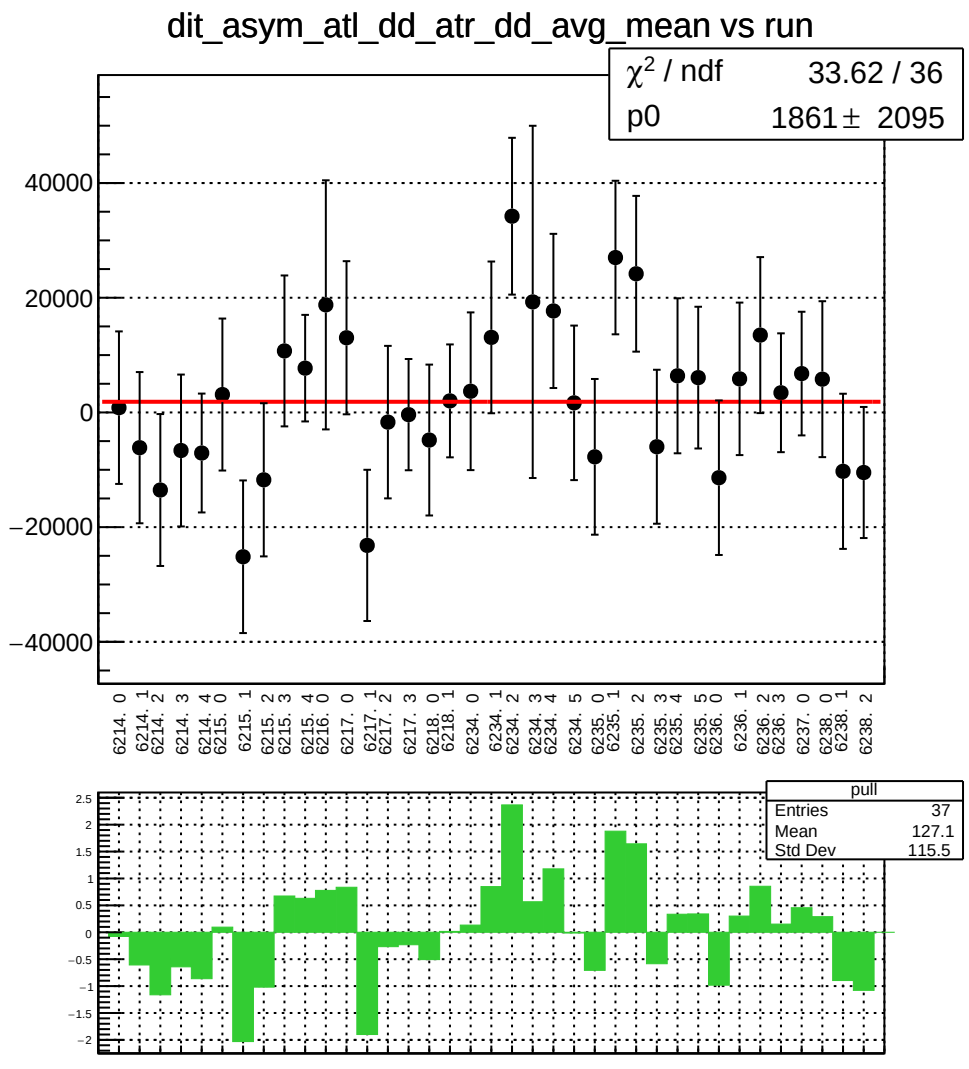

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 39.86 / 36
p0 839.7 ± 1261
30000
20000
10000
0
−10000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 3.449
Std Dev 16.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

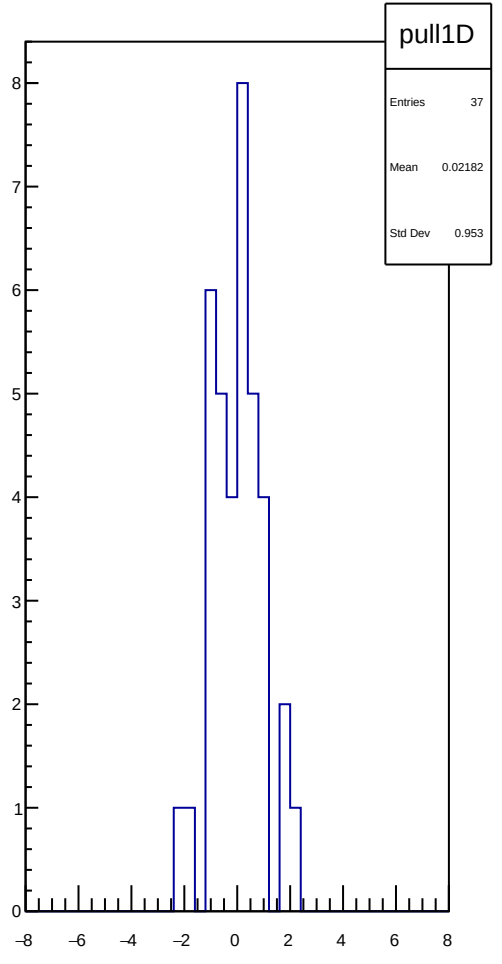

pull1D
Entries 37
Mean −0.01327
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

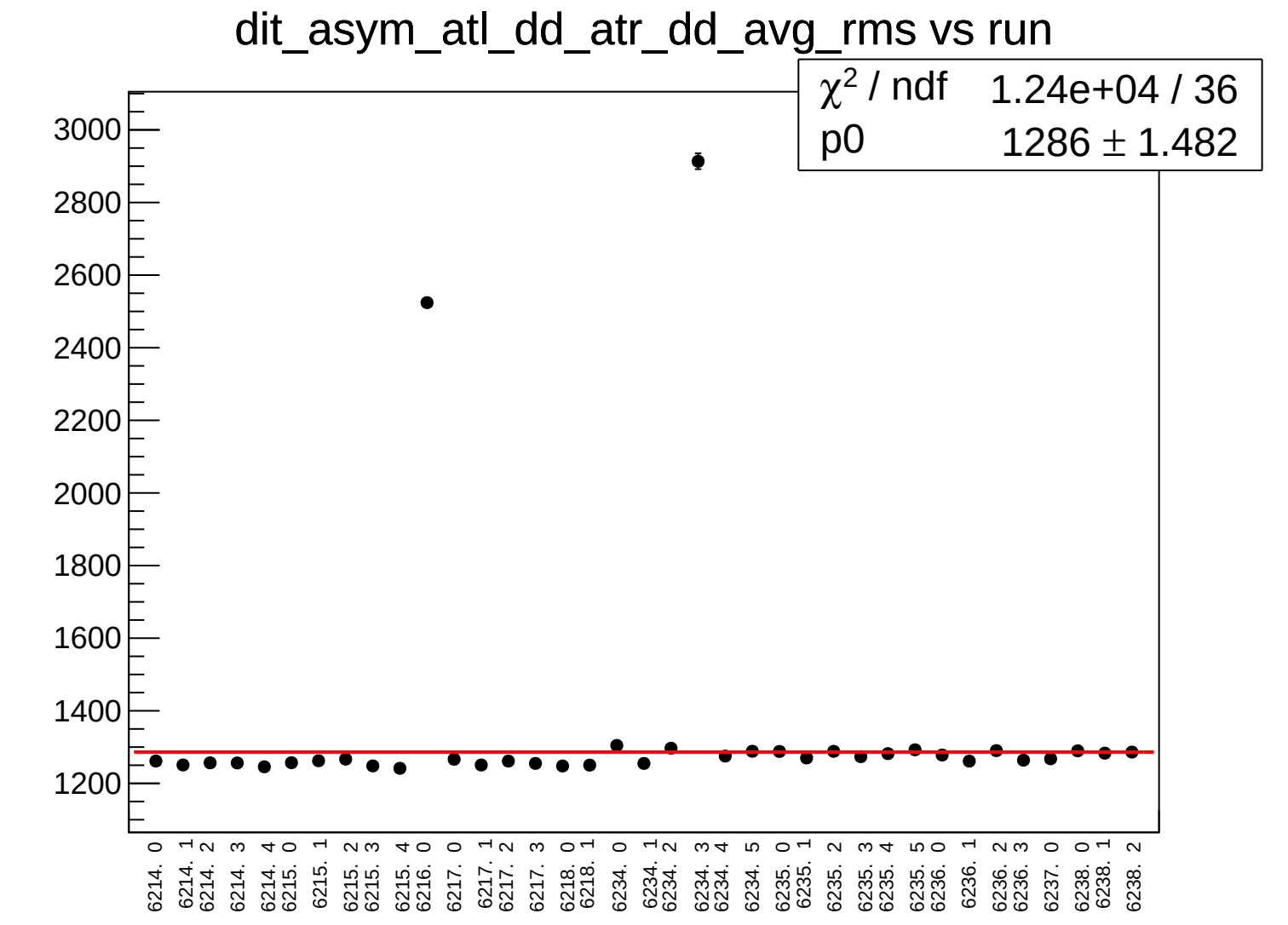

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1337 / 36
p0 780.1 ± 0.8919
860
840
820
800
780
760
740
720
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

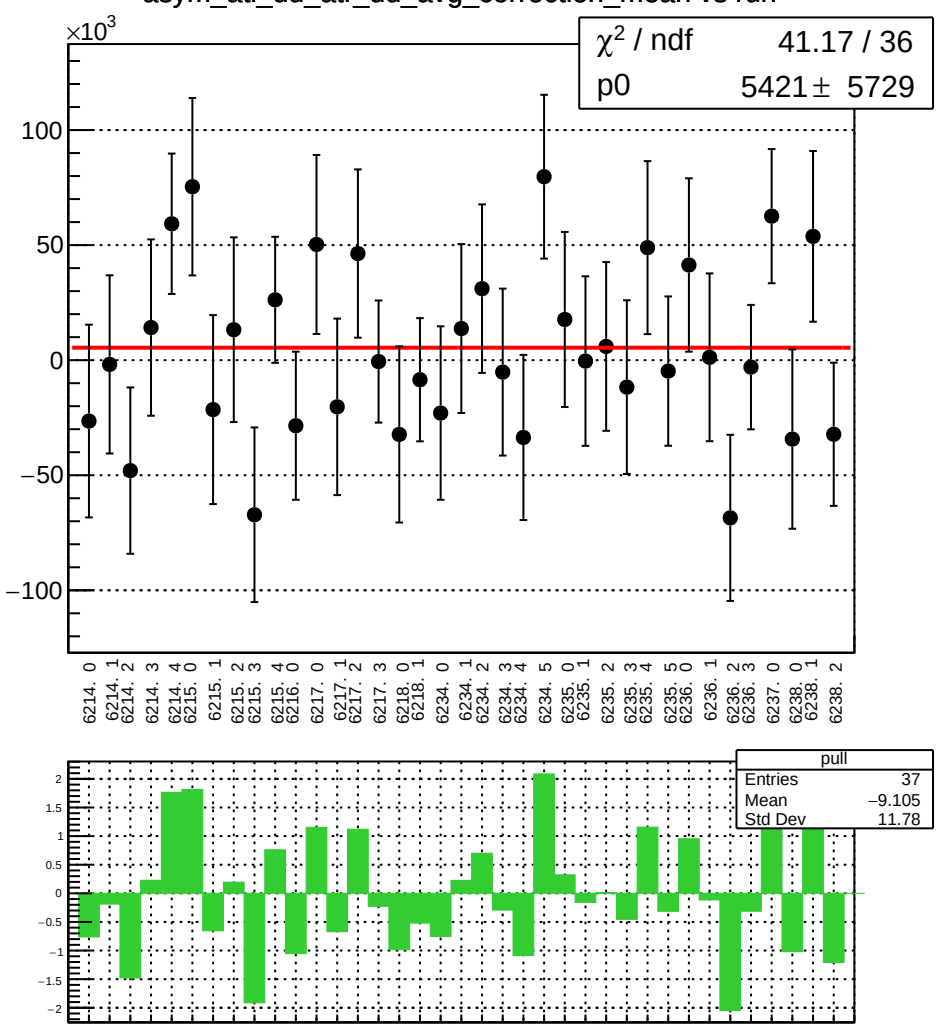

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 36.53 / 36
p0 112.1± 2444
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −350.1
Std Dev 369.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.003977
Std Dev 0.9936
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

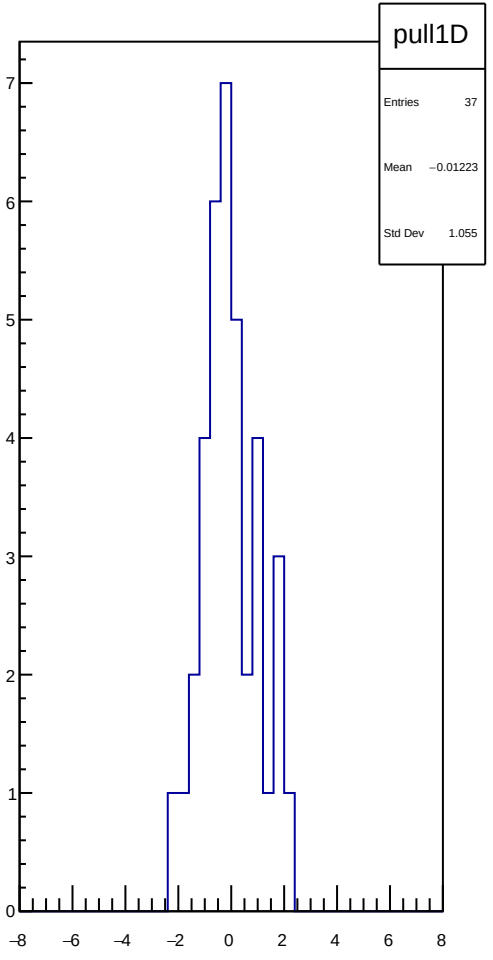

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 9660 / 36
p0 1503 ± 1.728
3000
2800
2600
2400
2200
2000
1800
1600
1400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

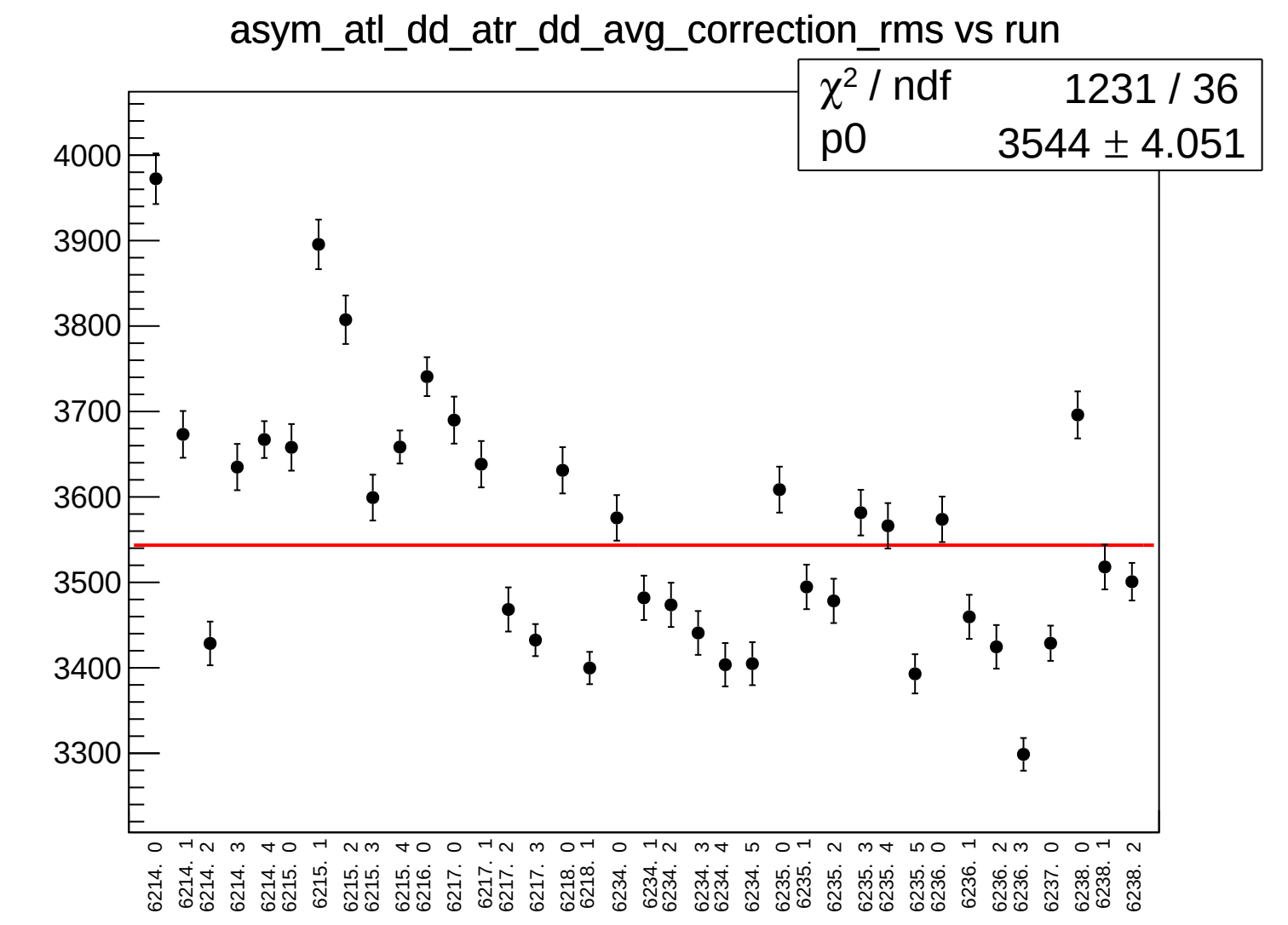

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 33.62 / 36
p0 1861 ± 2095
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 127.1
Std Dev 115.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

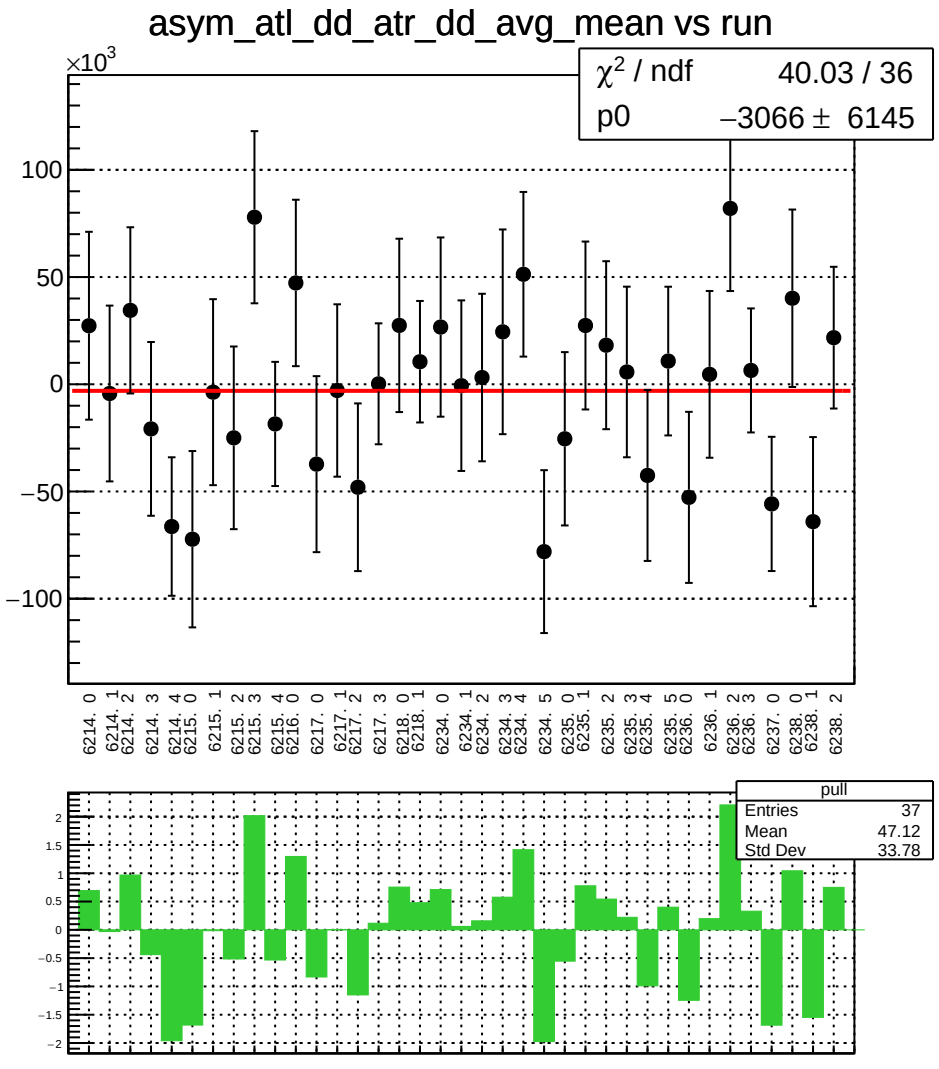

pull1D
Entries 37
Mean 0.02182
Std Dev 0.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

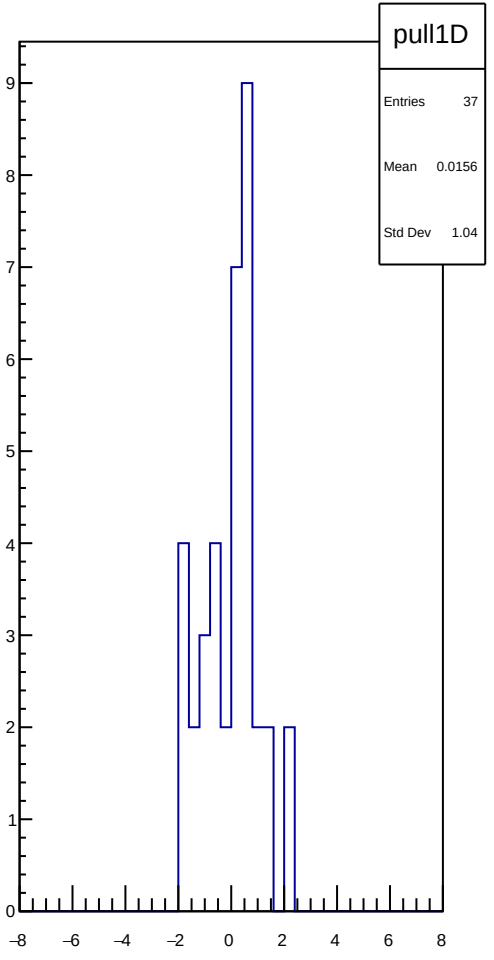

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.24e+04 / 36
p0 1286 ± 1.482
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

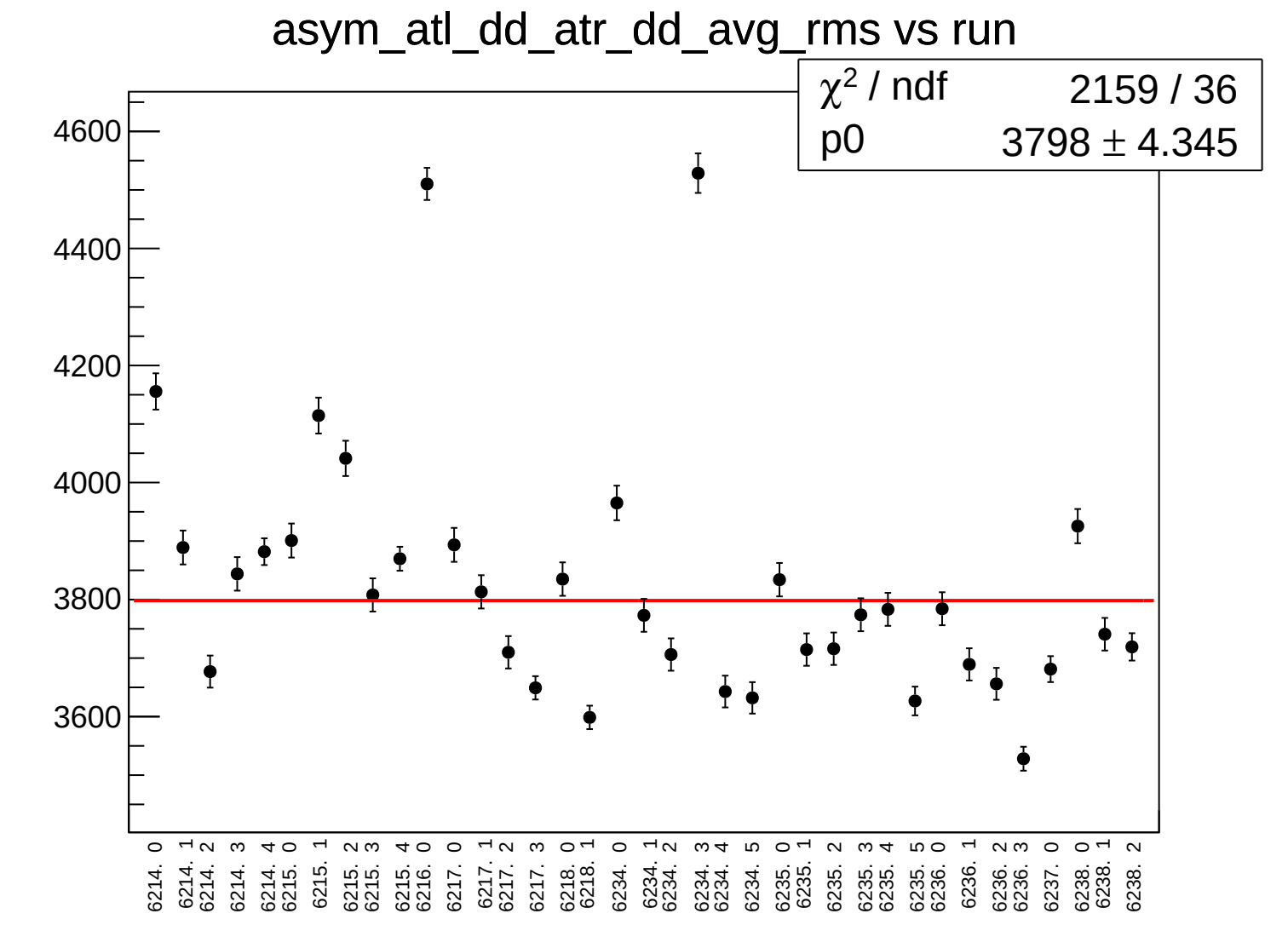

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 41.17 / 36
p0 5421 ± 5729
×10³
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.105
Std Dev 11.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

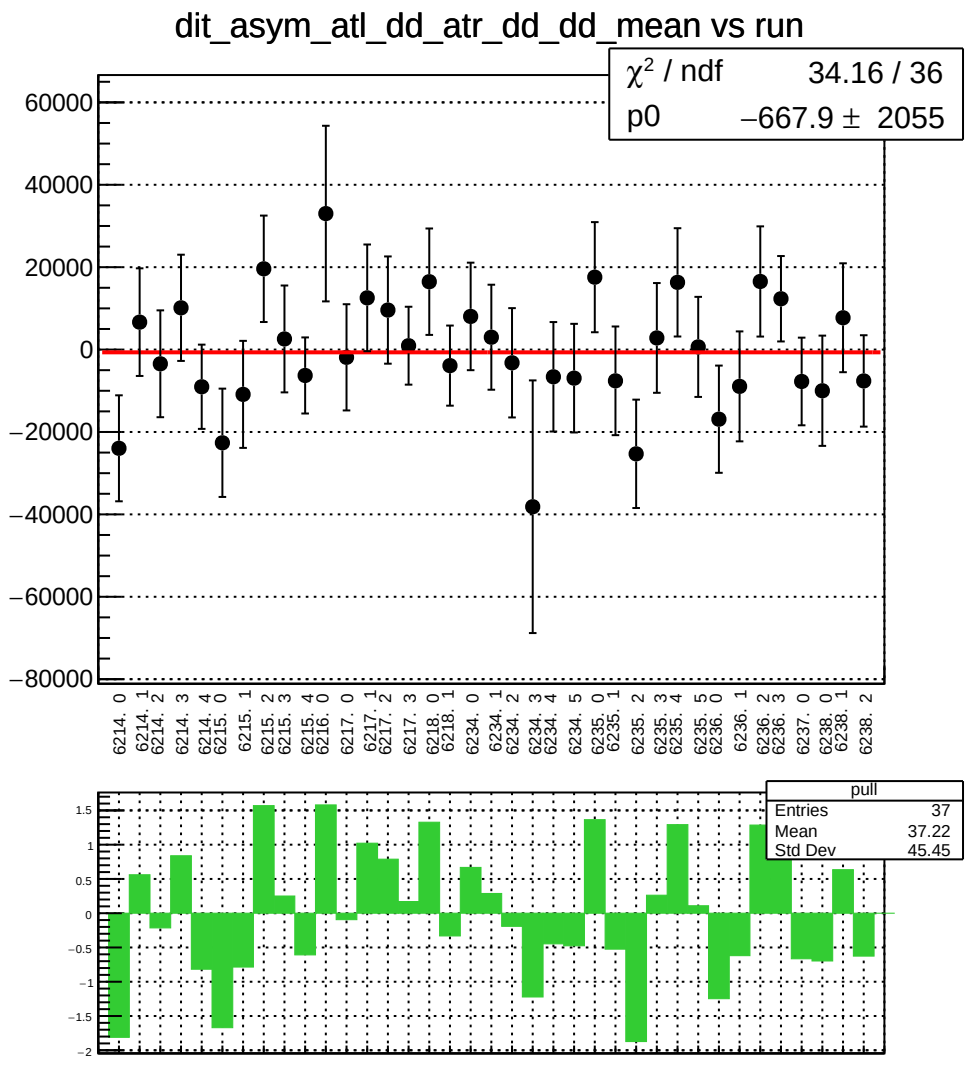

pull1D
Entries 37
Mean −0.01223
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

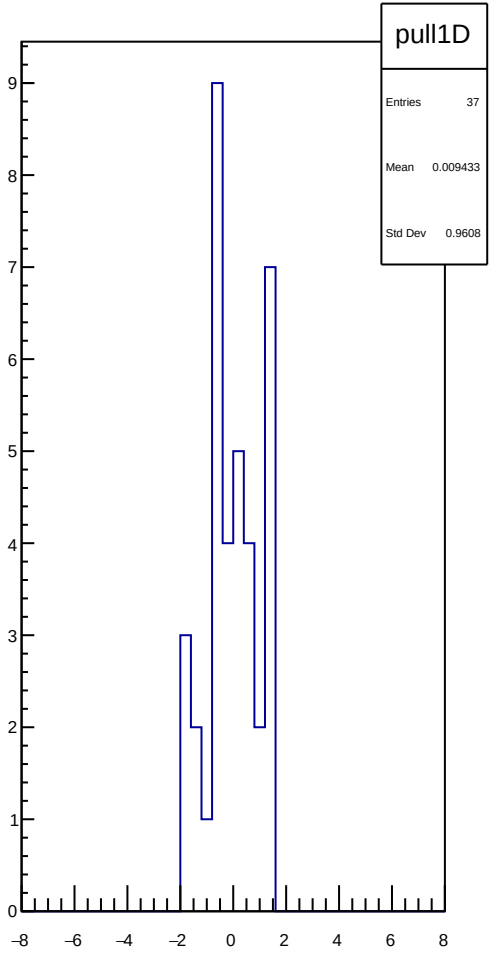

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1231 / 36
p0 3544 ± 4.051
4000
3900
3800
3700
3600
3500
3400
3300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

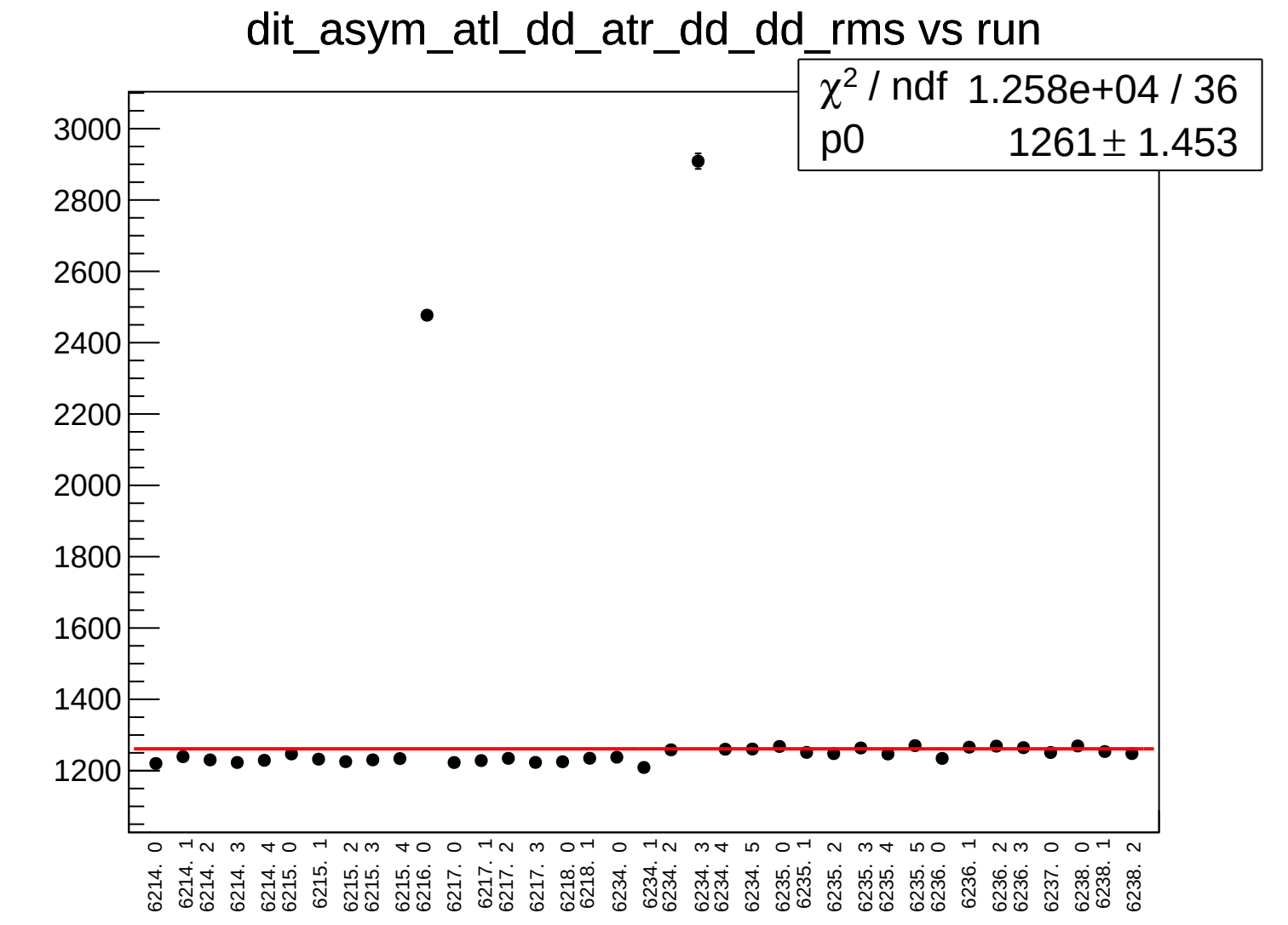

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.03 / 36
p0 −3066 ± 6145
×10³
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 47.12
Std Dev 33.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

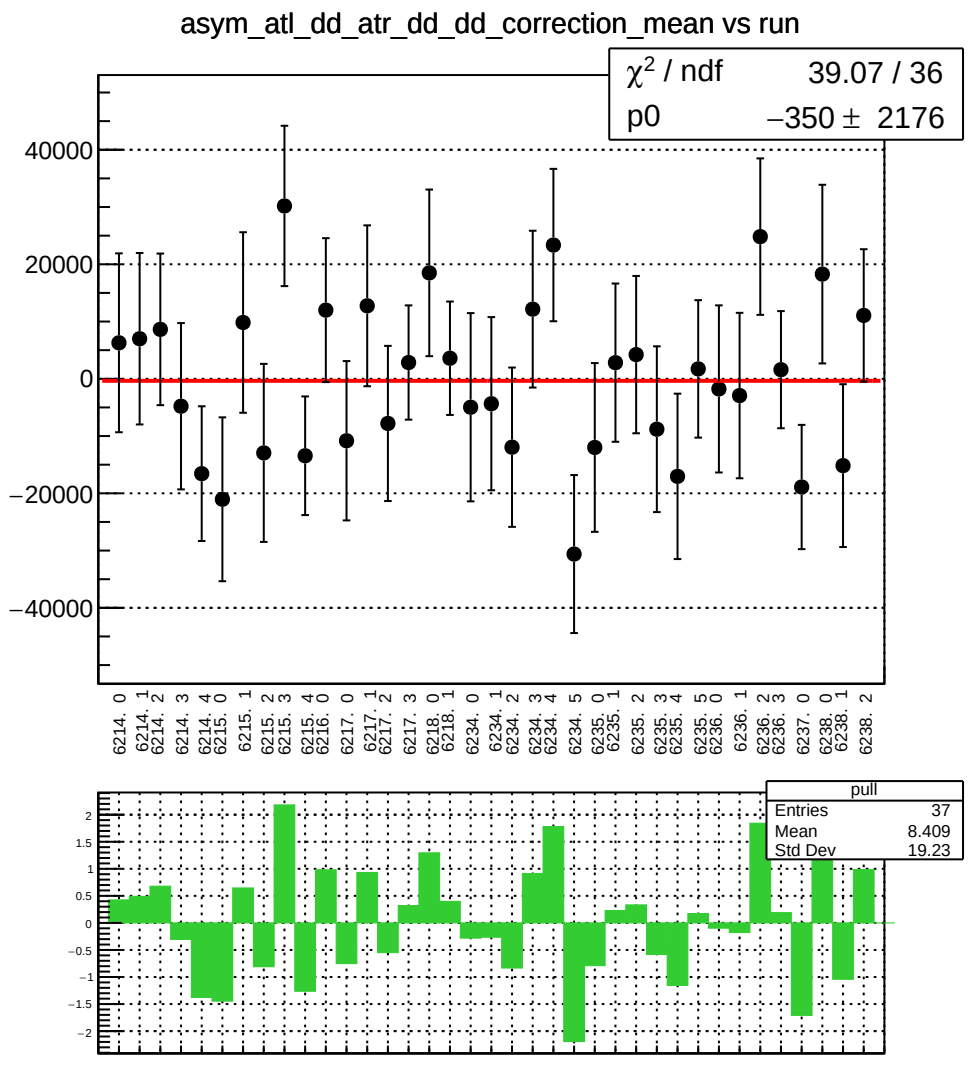

pull1D
Entries 37
Mean 0.0156
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

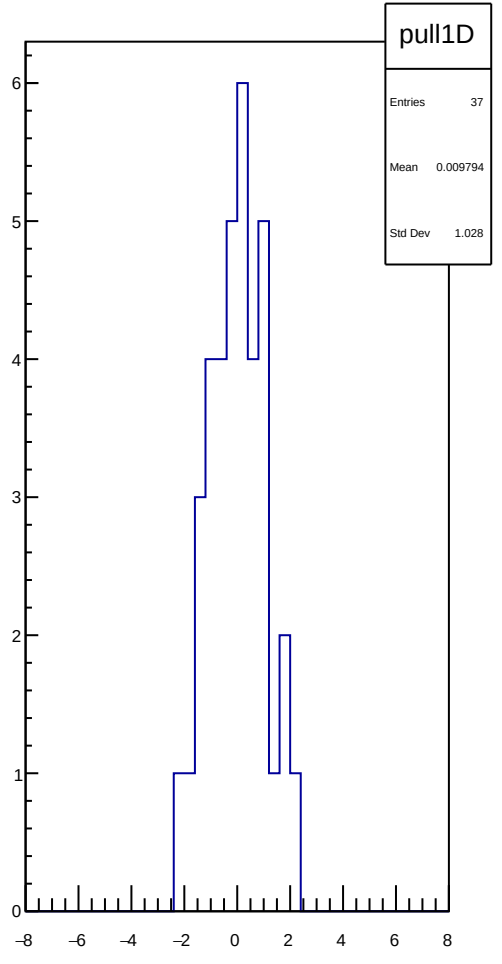

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2159 / 36
p0 3798 ± 4.345
4600
4400
4200
4000
3800
3600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

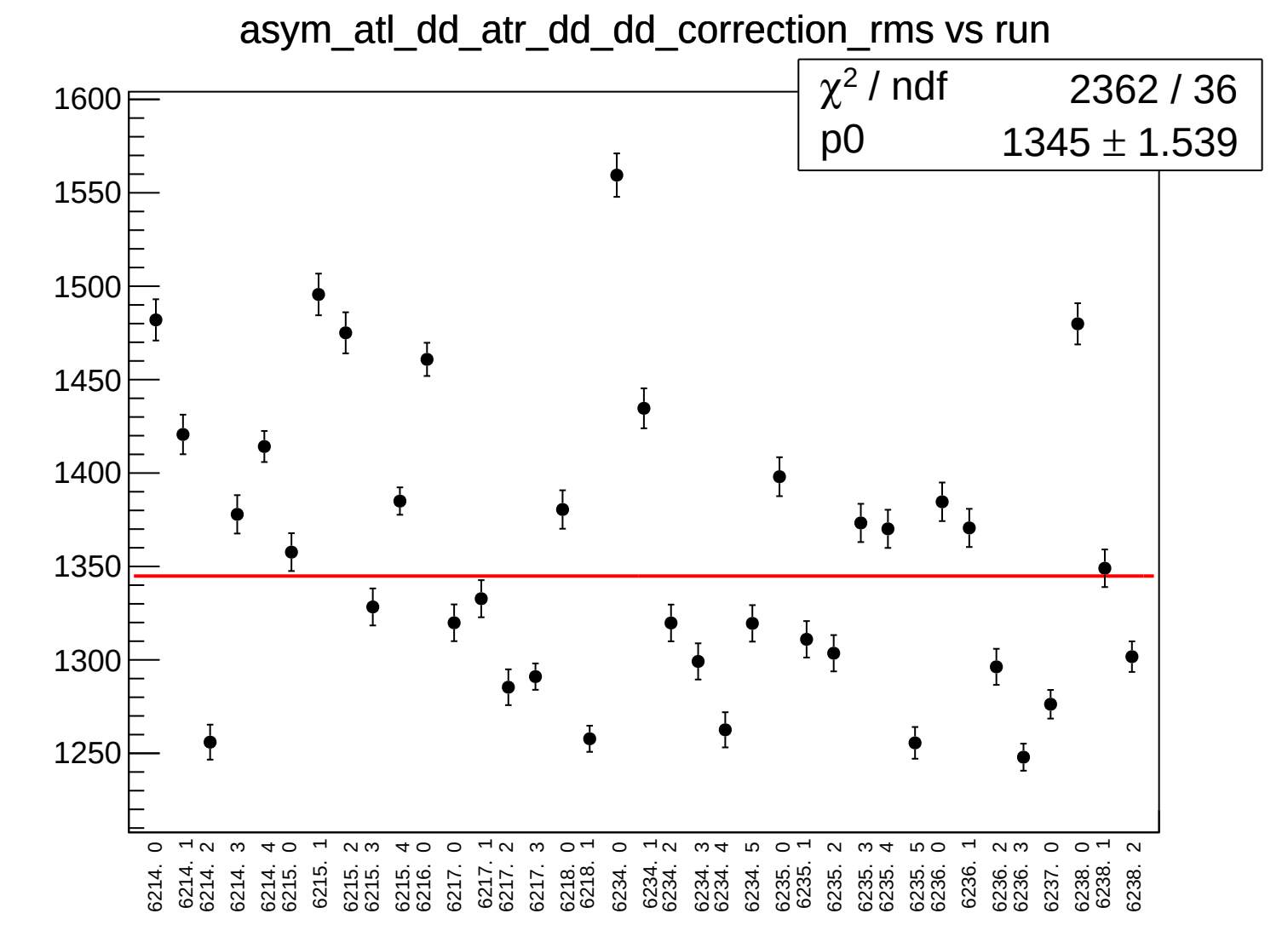

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.16 / 36
p0 −667.9 ± 2055
60000
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 37.22
Std Dev 45.45
1.5
1
0.5
0
−0.5
−1
−1.5
−2

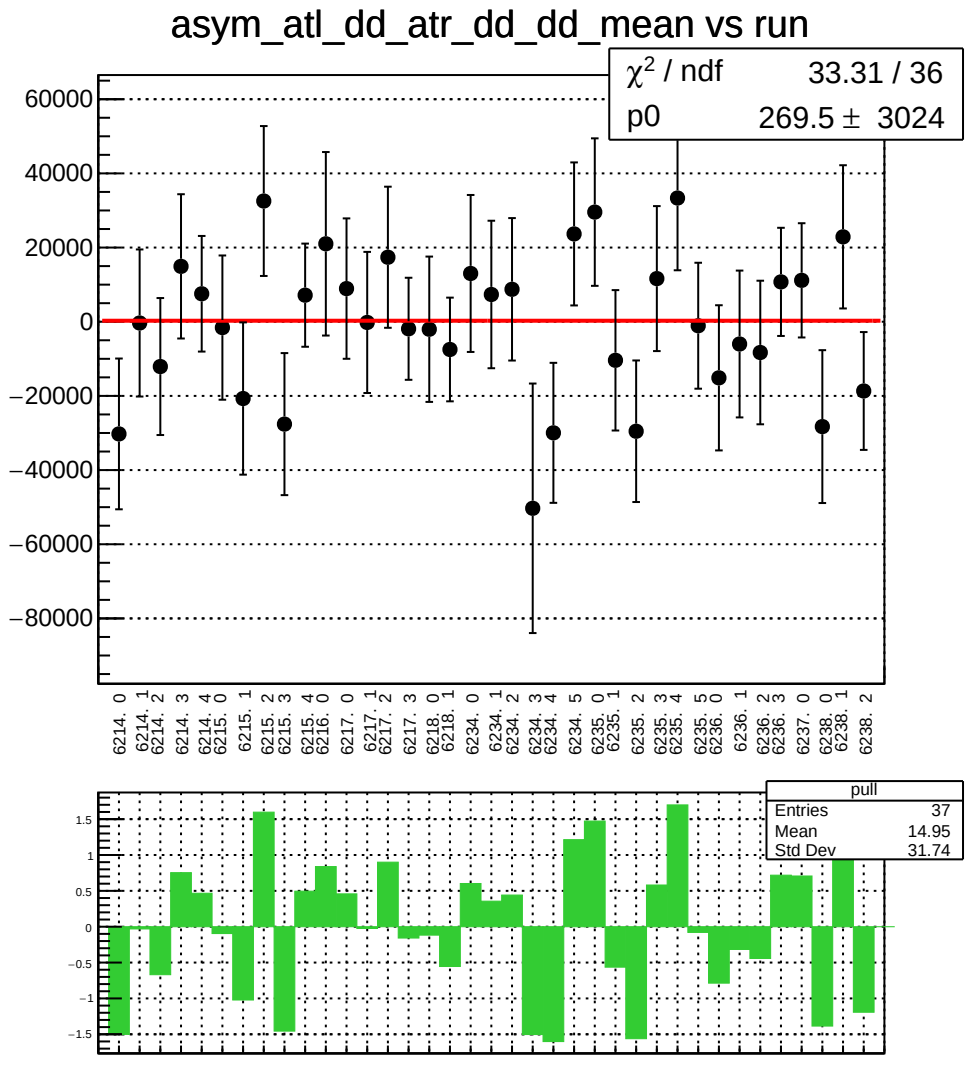

pull1D
Entries 37
Mean 0.009433
Std Dev 0.9608
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

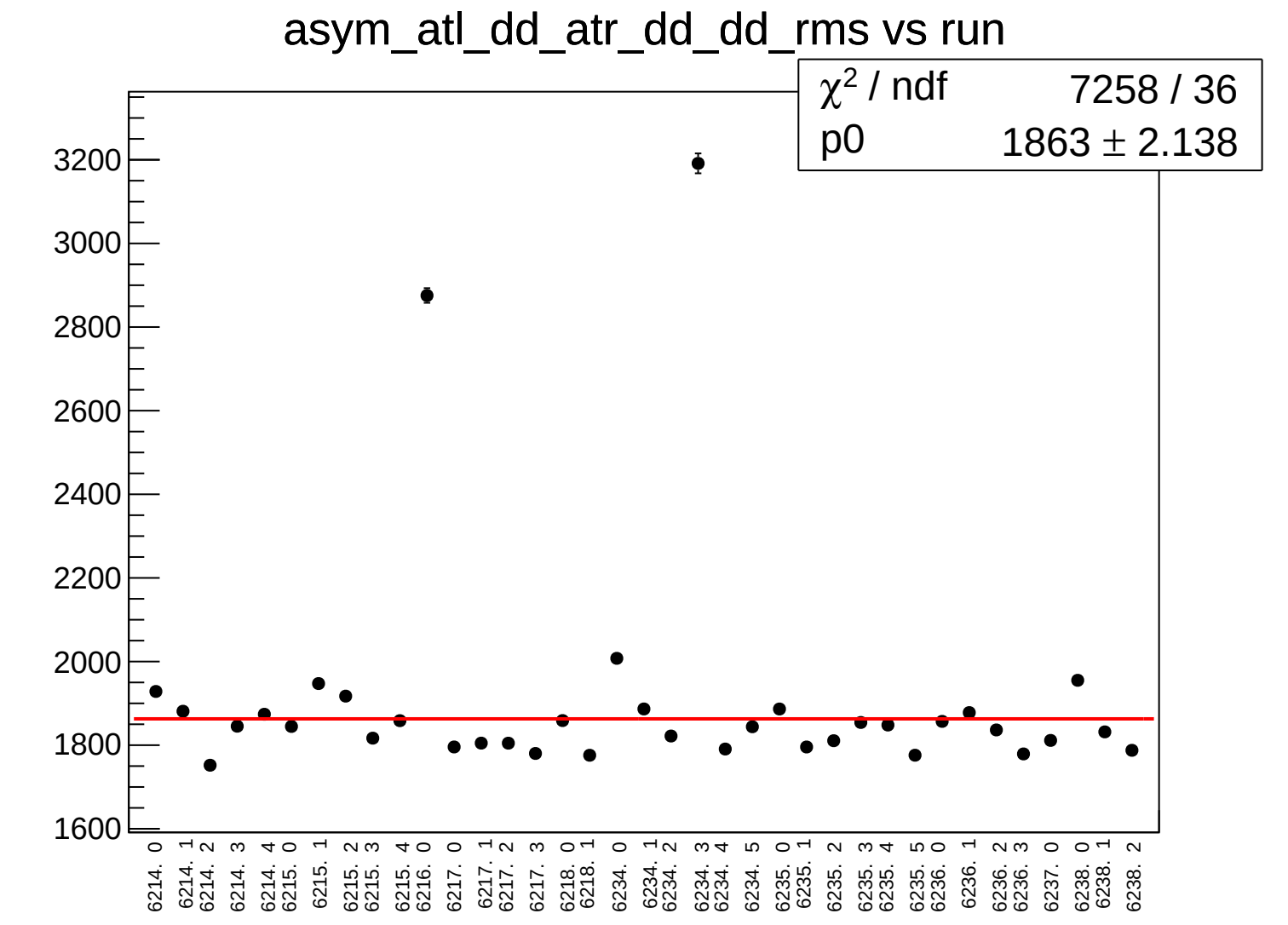

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.258e+04 / 36
p0 1261 ± 1.453
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

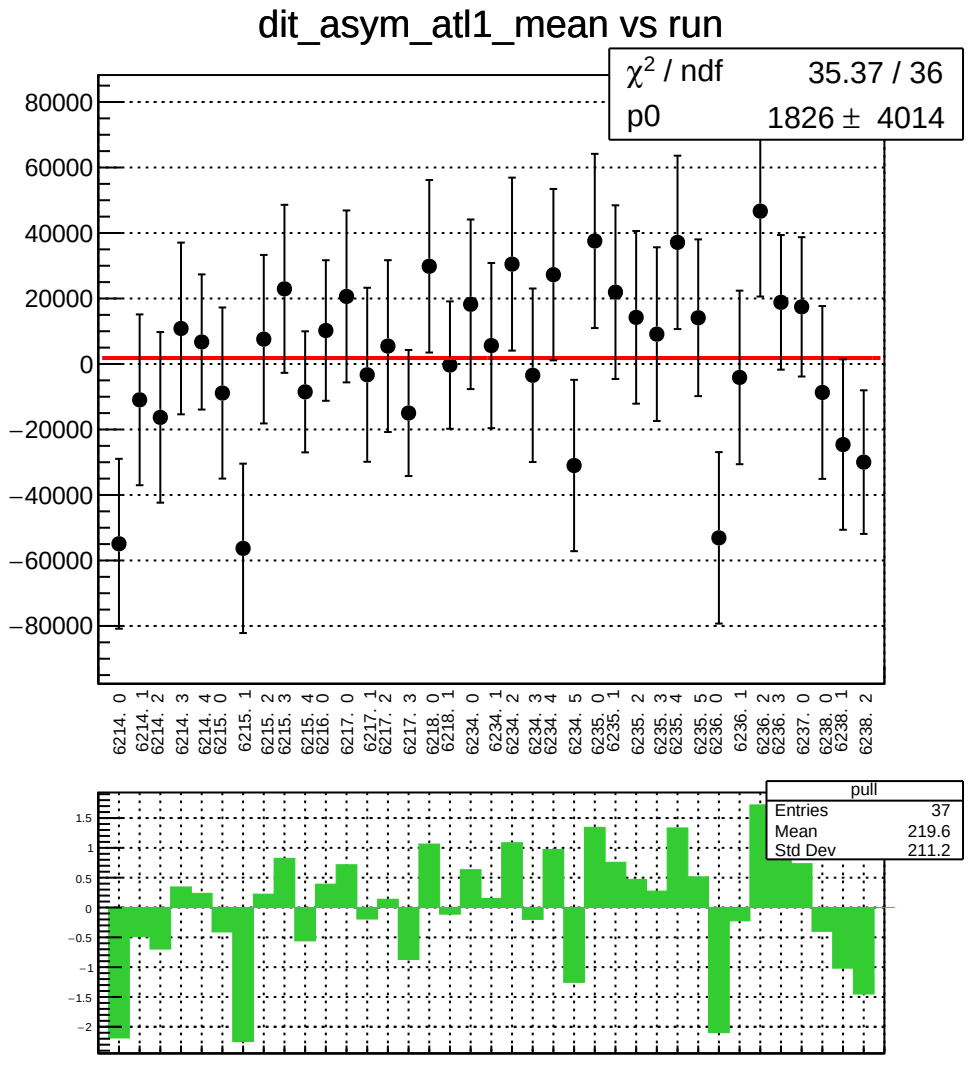

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 39.07 / 36
p0 −350 ± 2176
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 8.409
Std Dev 19.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

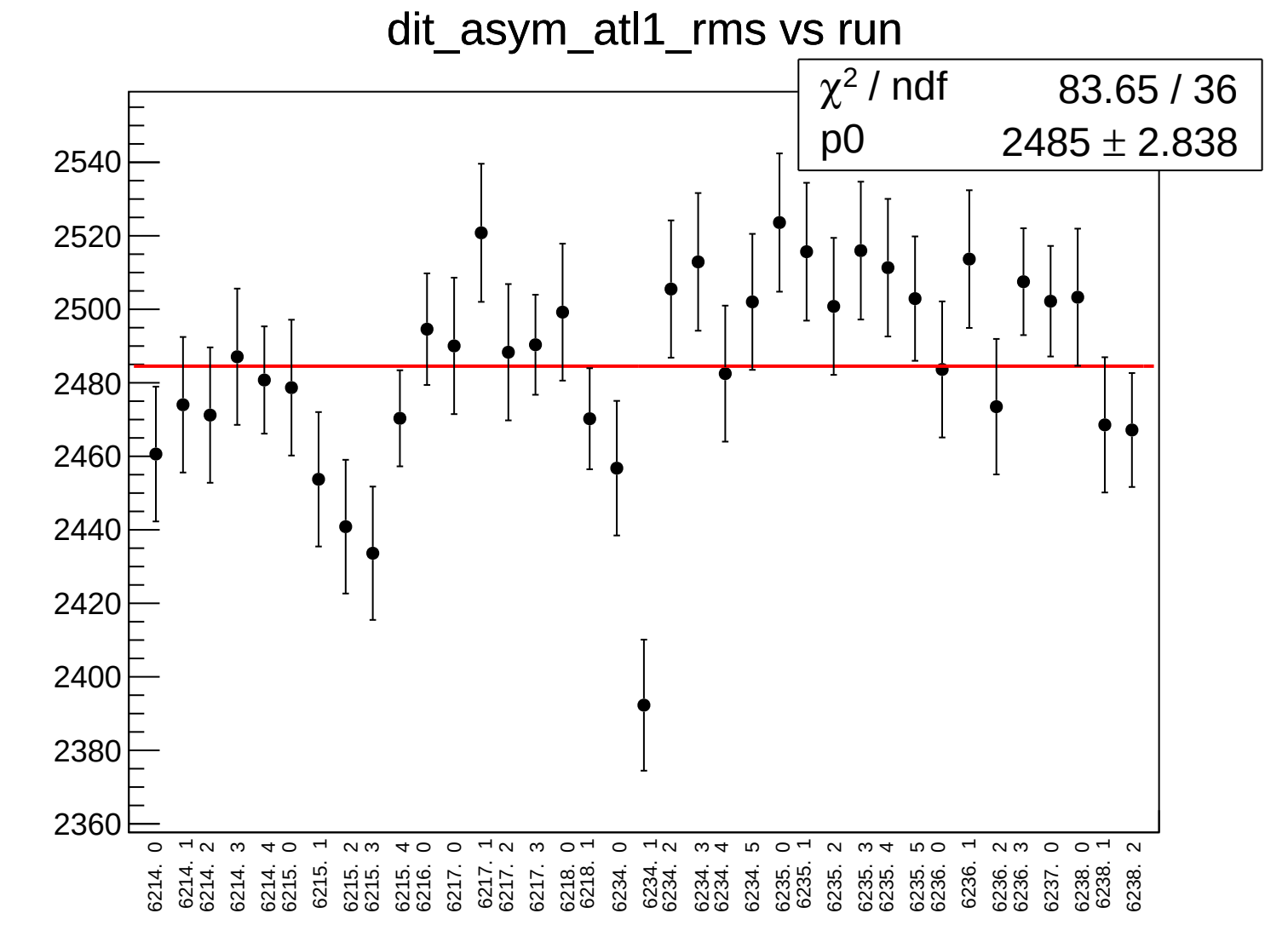

pull1D
Entries 37
Mean 0.009794
Std Dev 1.028
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

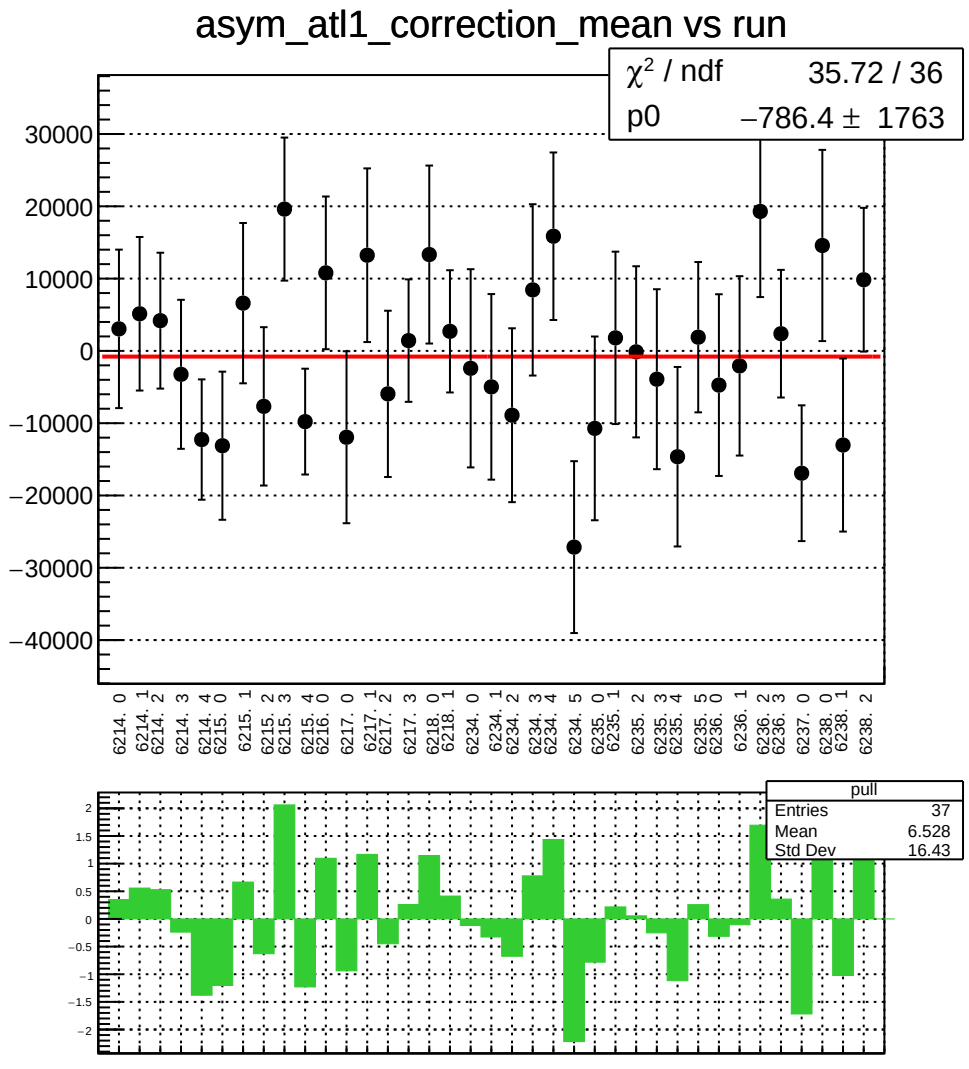

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2362 / 36
p0 1345 ± 1.539
1600
1550
1500
1450
1400
1350
1300
1250
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

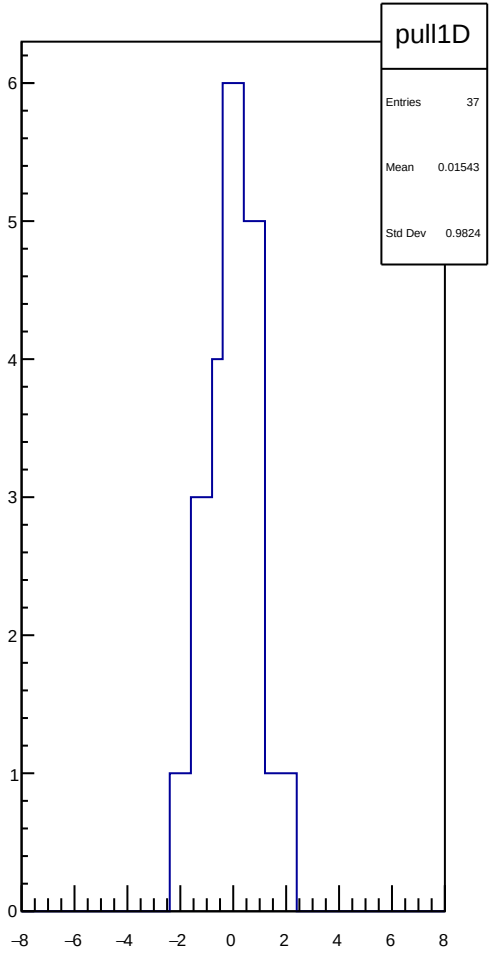

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.31 / 36
p0 269.5 ± 3024
60000
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 14.95
Std Dev 31.74
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.01591
Std Dev 0.9486
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

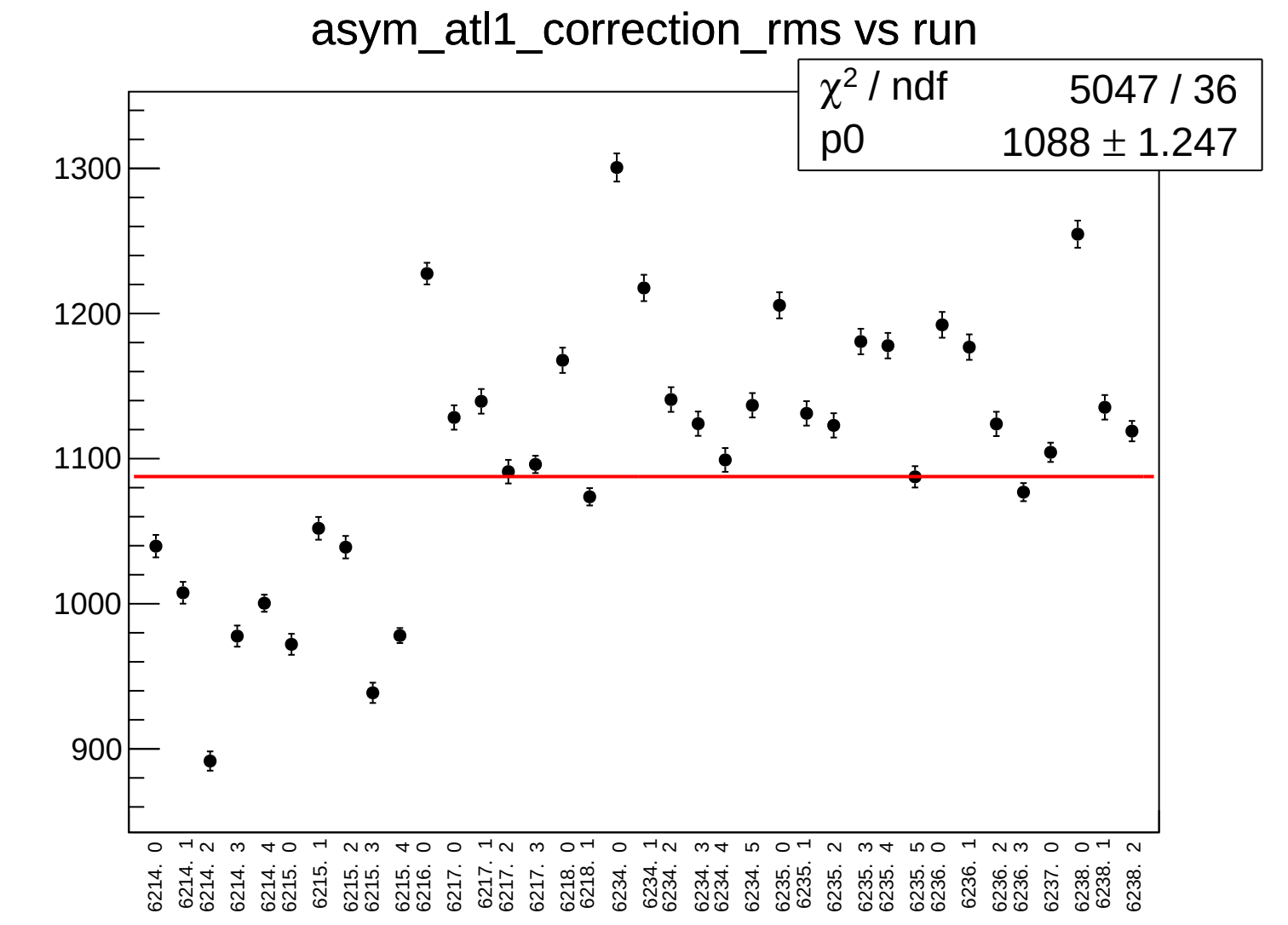

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 7258 / 36
p0 1863 ± 2.138
3200
3000
2800
2600
2400
2200
2000
1800
1600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

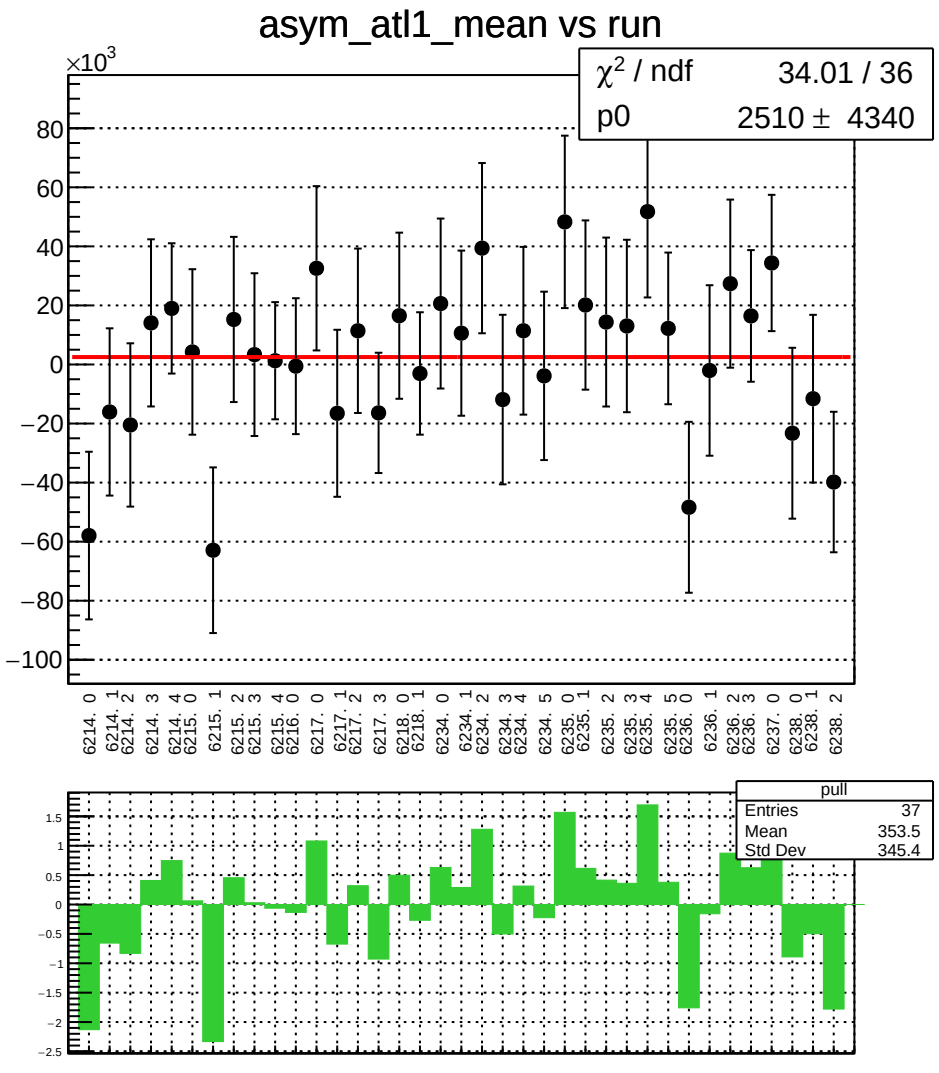

dit_asym_atl1_mean vs run
χ² / ndf 35.37 / 36
p0 1826 ± 4014
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 219.6
Std Dev 211.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.009554
Std Dev 0.9777
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

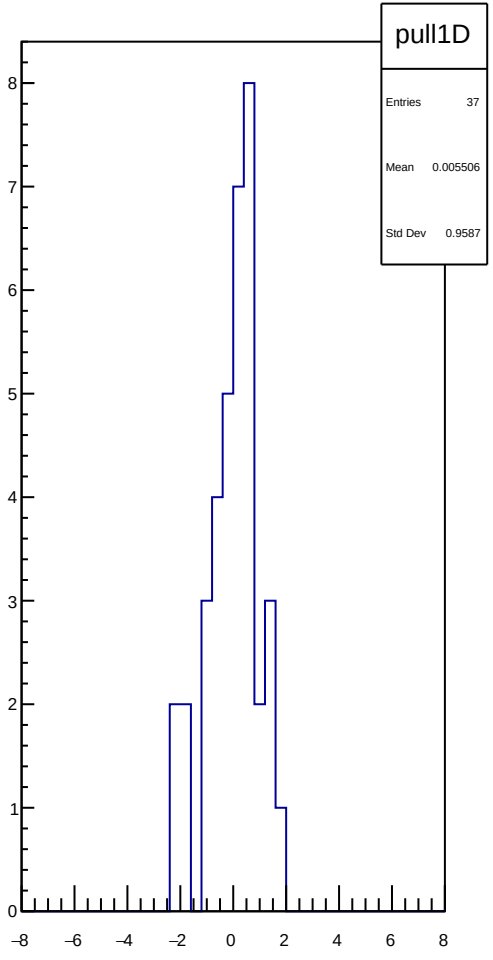

dit_asym_atl1_rms vs run
χ² / ndf 83.65 / 36
p0 2485 ± 2.838
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

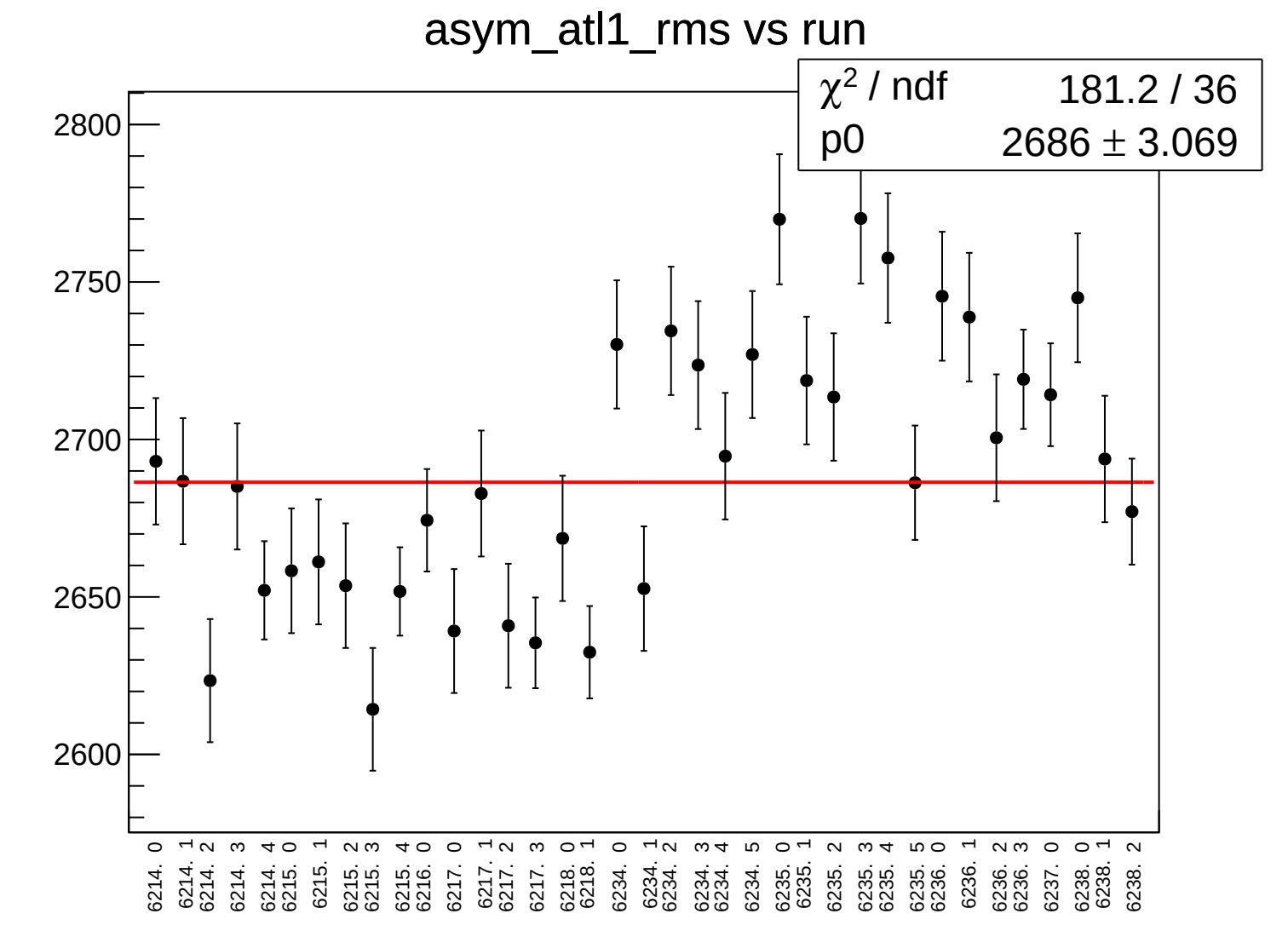

asym_atl1_correction_mean vs run
χ² / ndf 35.72 / 36
p0 −786.4 ± 1763
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 6.528
Std Dev 16.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

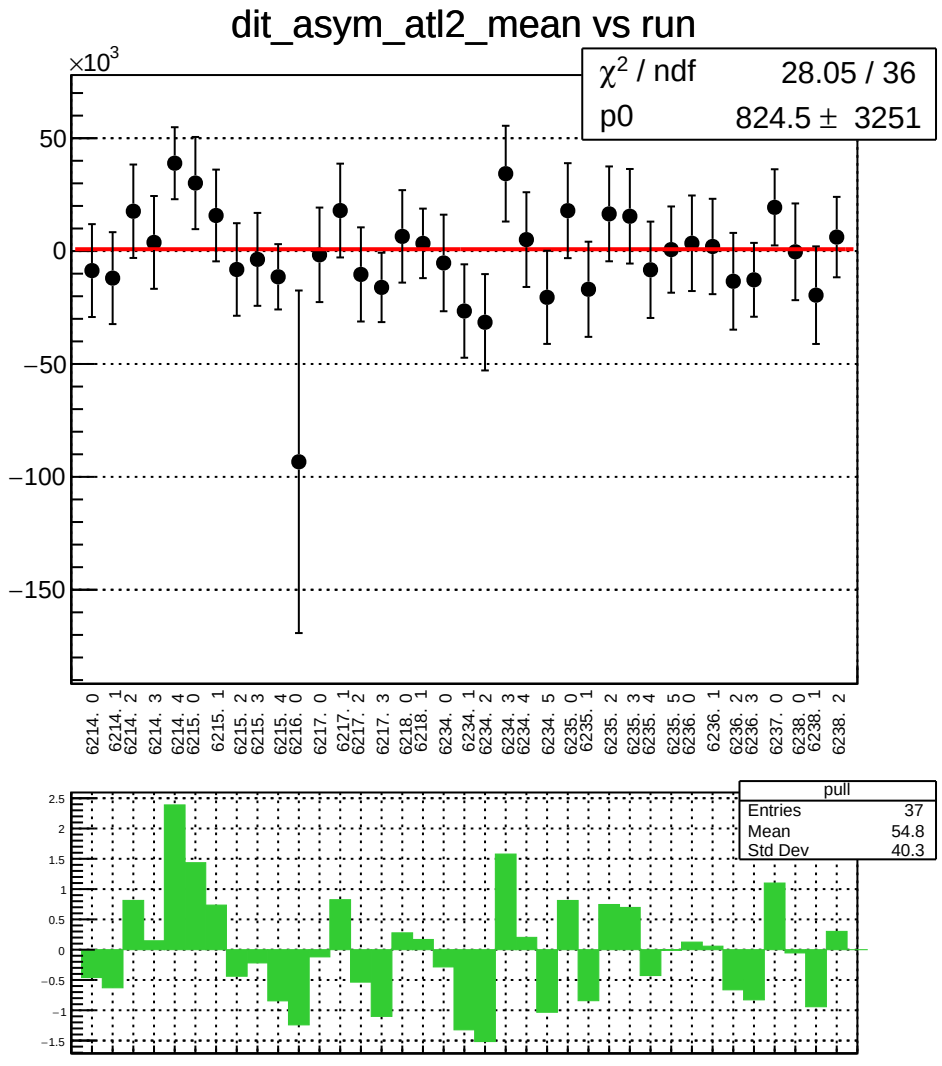

pull1D
Entries 37
Mean 0.01543
Std Dev 0.9824
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

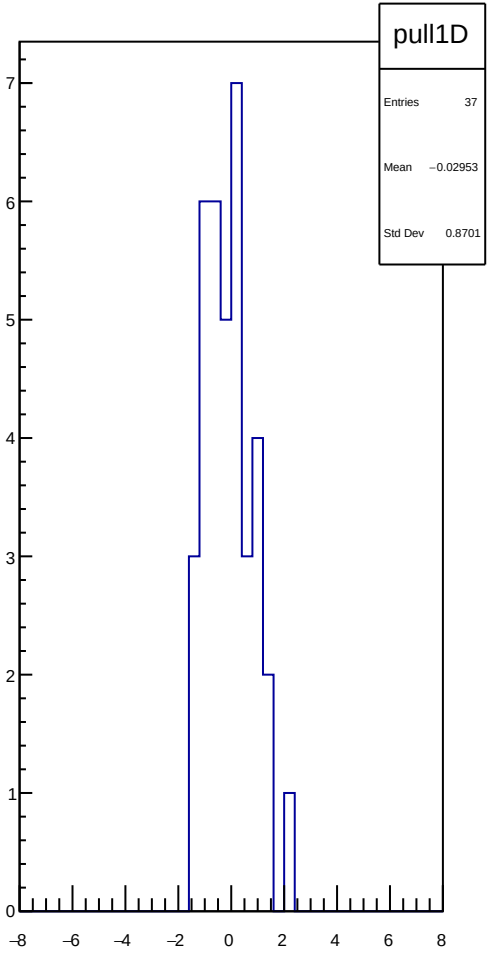

asym_atl1_correction_rms vs run
χ² / ndf 5047 / 36
p0 1088 ± 1.247
1300
1200
1100
1000
900
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

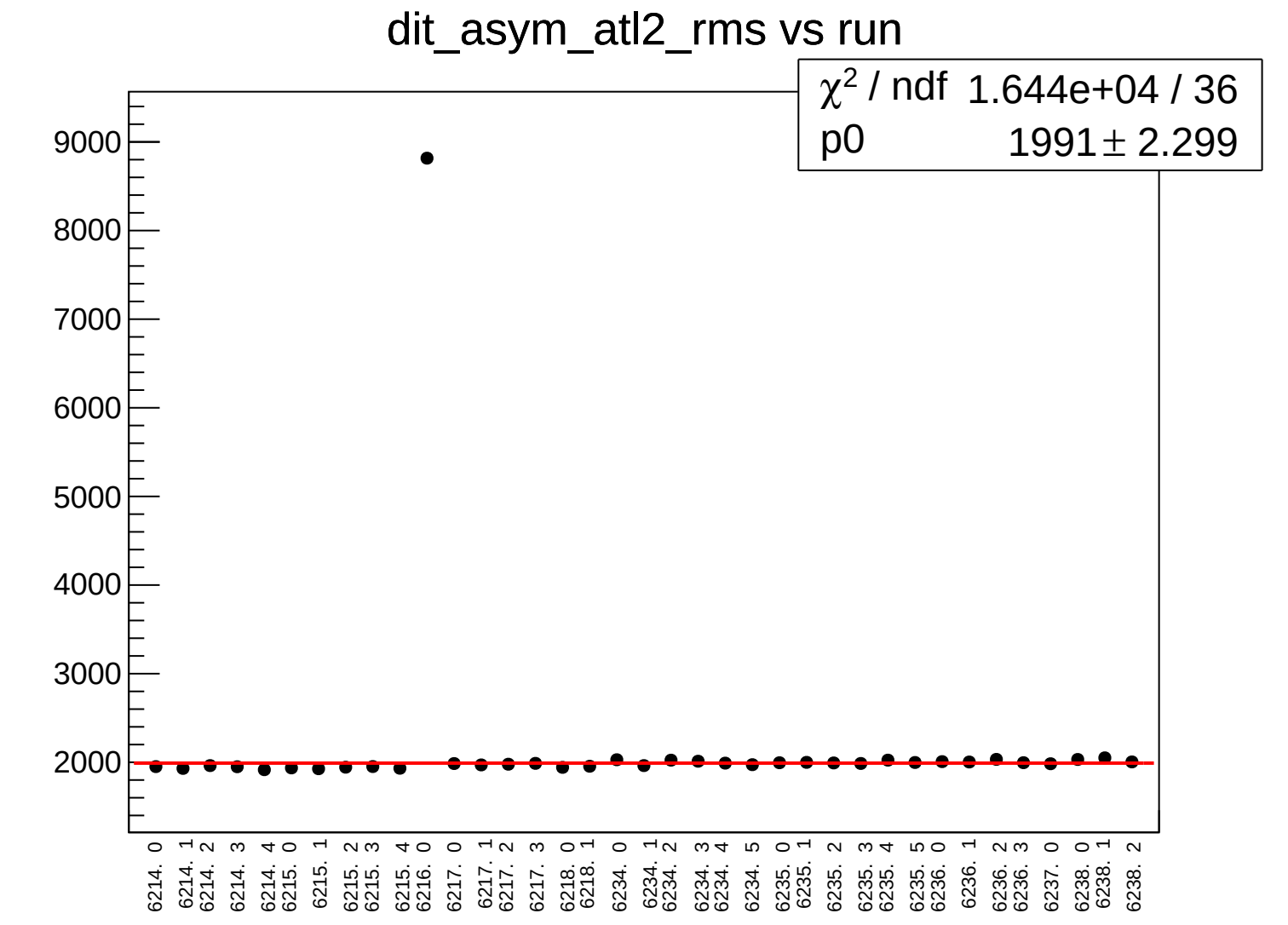

asym_atl1_mean vs run
×10^3
χ^2 / ndf 34.01 / 36
p0 2510 ± 4340
80
60
40
20
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 353.5
Std Dev 345.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

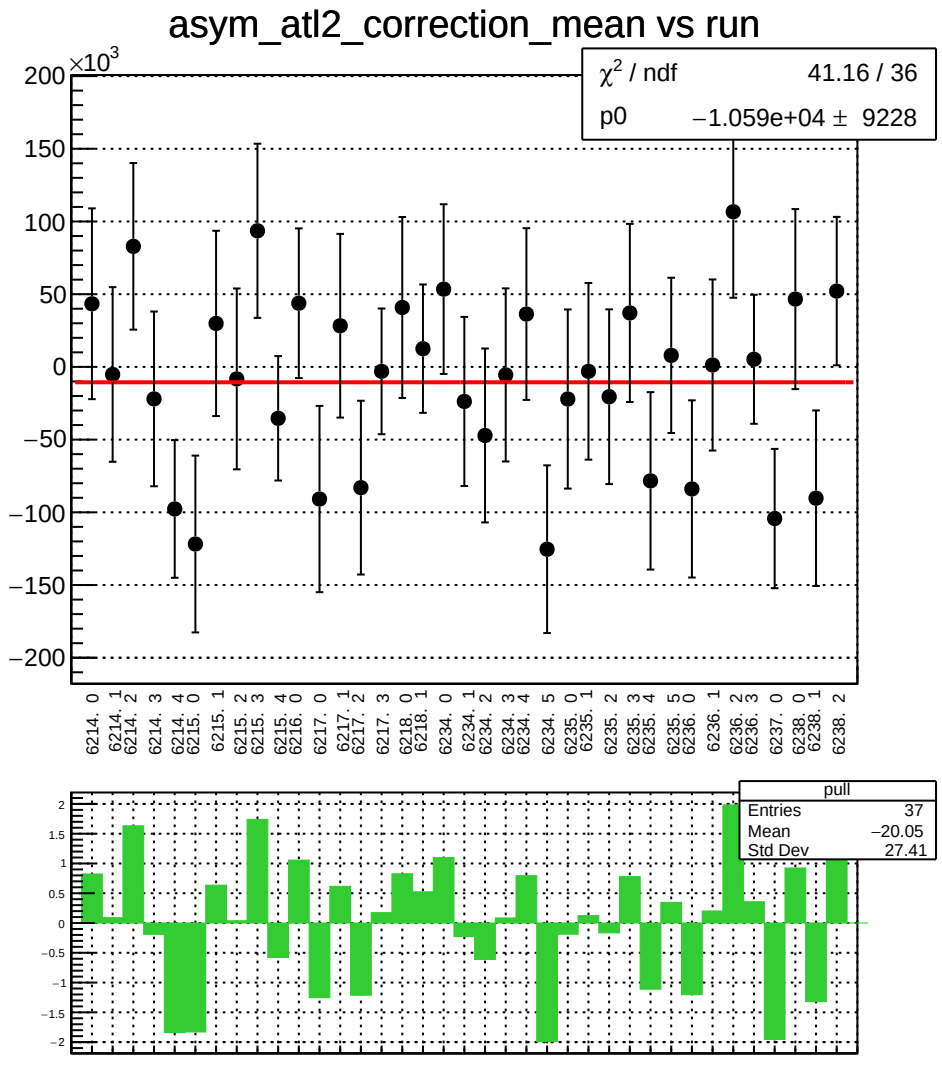

pull1D
Entries 37
Mean 0.005506
Std Dev 0.9587
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

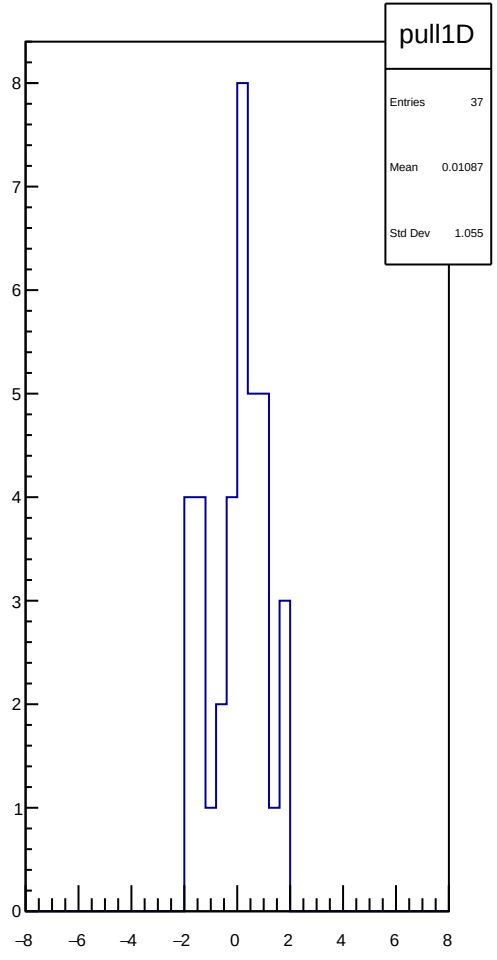

asym_atl1_rms vs run
χ² / ndf 181.2 / 36
p0 2686 ± 3.069
2800
2750
2700
2650
2600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

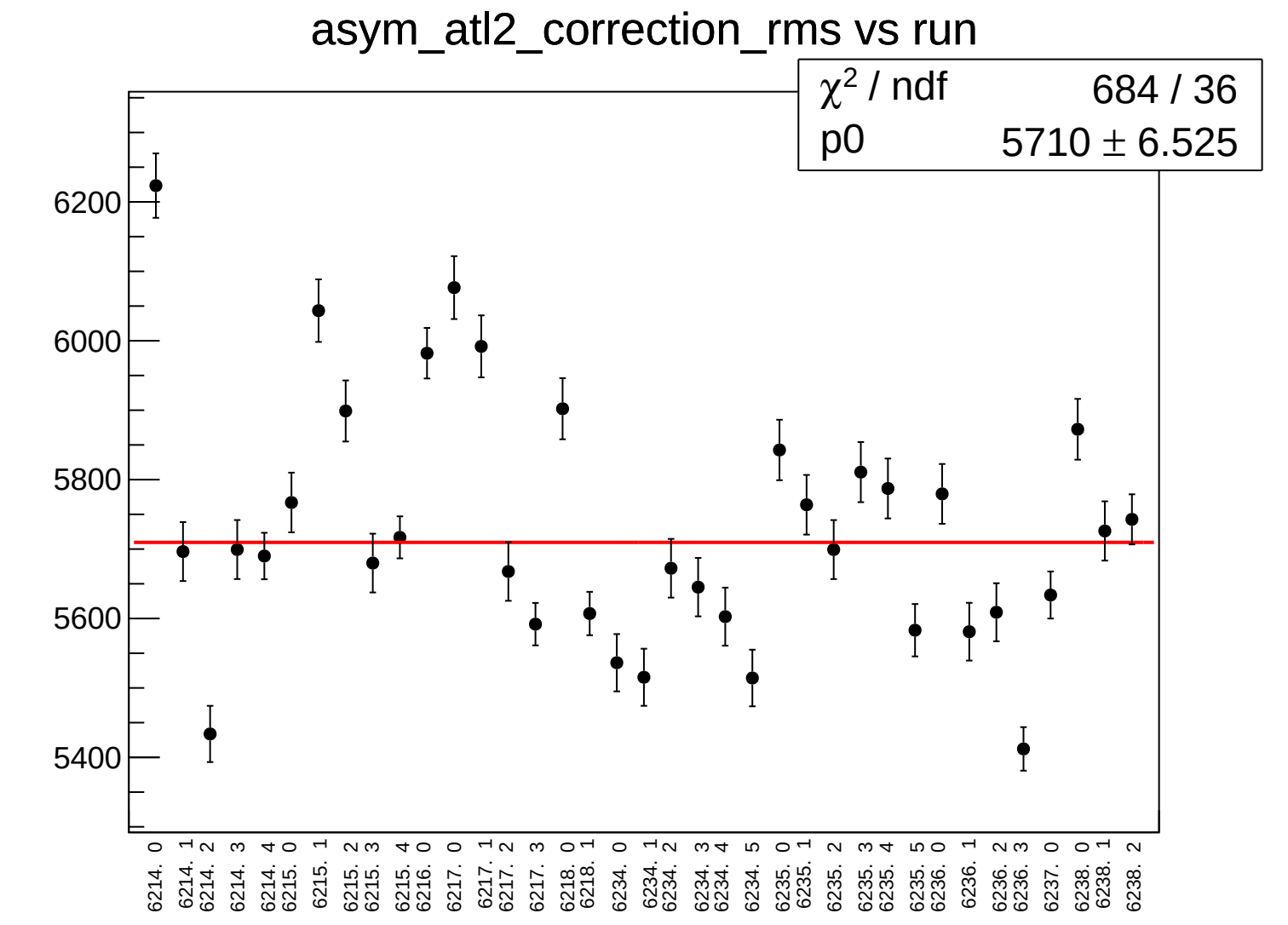

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 28.05 / 36
p0 824.5 ± 3251
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 54.8
Std Dev 40.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

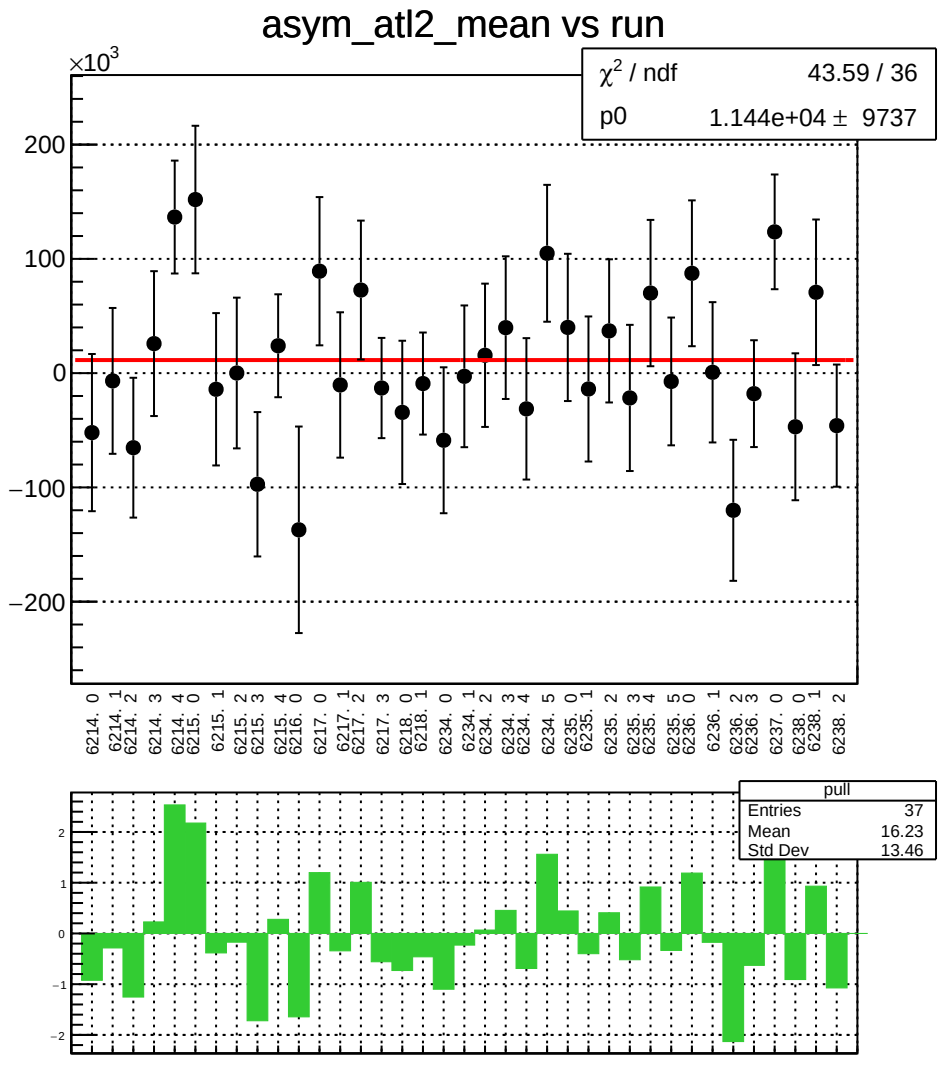

pull1D
Entries 37
Mean −0.02953
Std Dev 0.8701
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

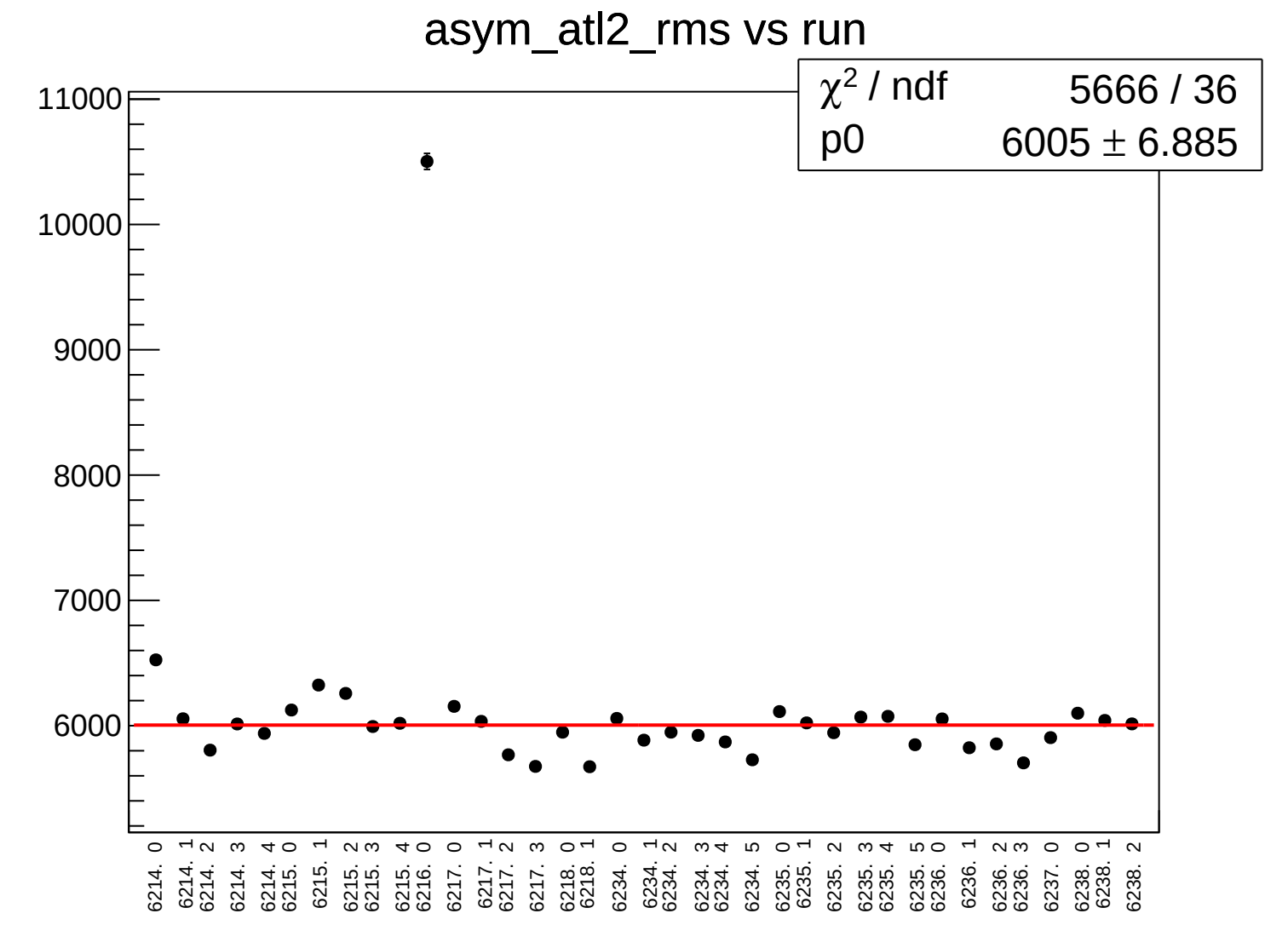

dit_asym_atl2_rms vs run
χ^2 / ndf 1.644e+04 / 36
p0 1991 ± 2.299
9000
8000
7000
6000
5000
4000
3000
2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

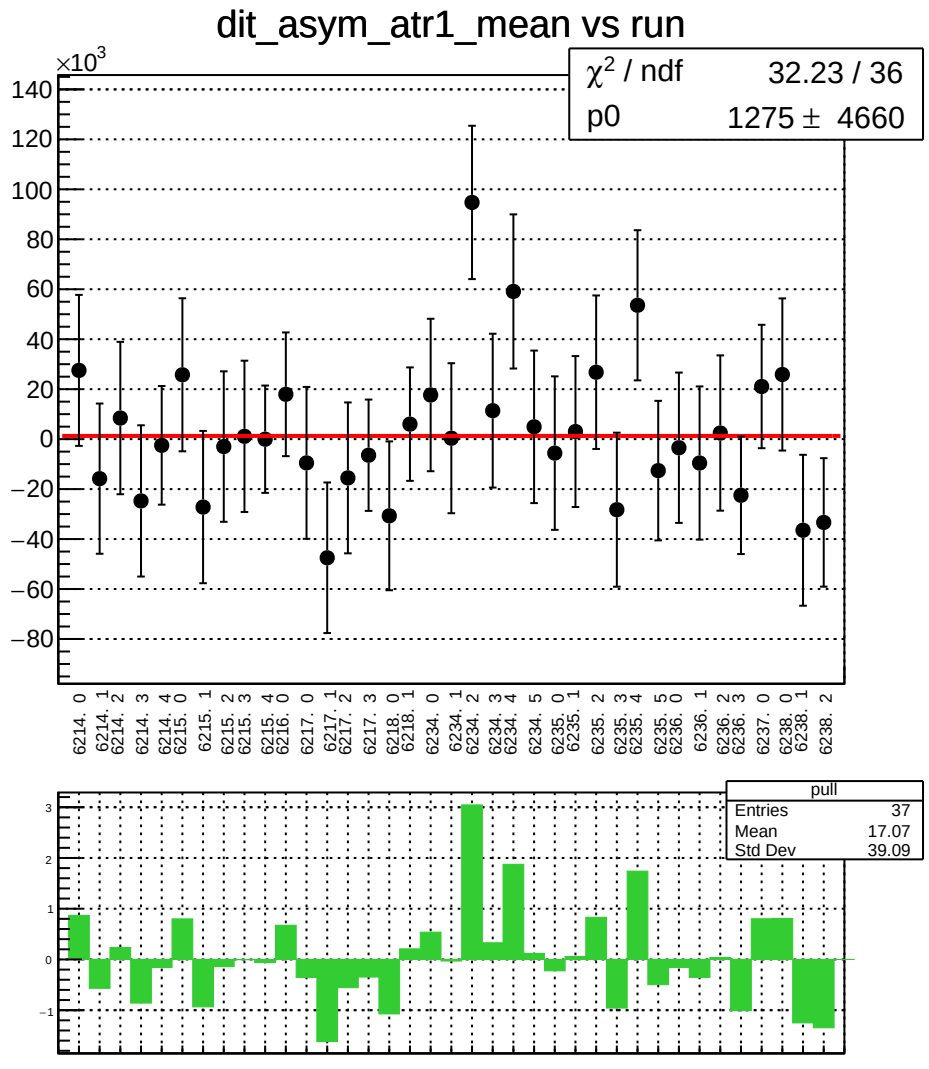

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 41.16 / 36
p0 −1.059e+04 ± 9228
200
150
100
50
0
−50
−100
−150
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −20.05
Std Dev 27.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

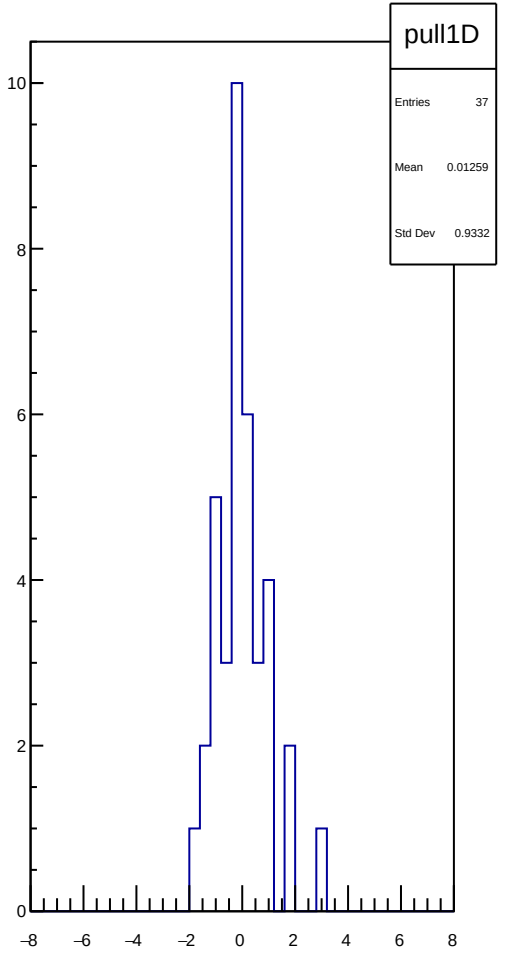

pull1D
Entries 37
Mean 0.01087
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

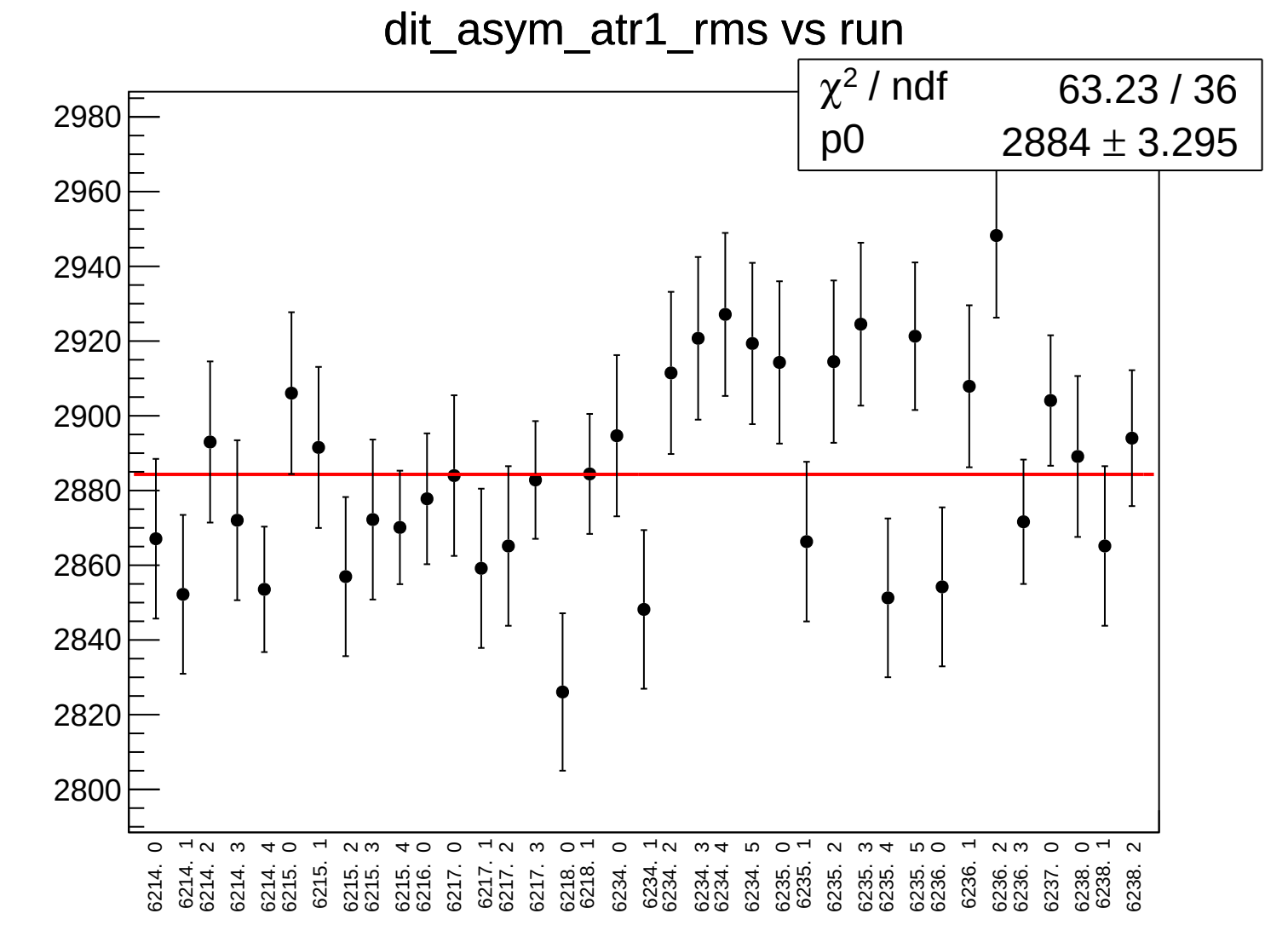

asym_atl2_correction_rms vs run
χ² / ndf 684 / 36
p0 5710 ± 6.525
6200
6000
5800
5600
5400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

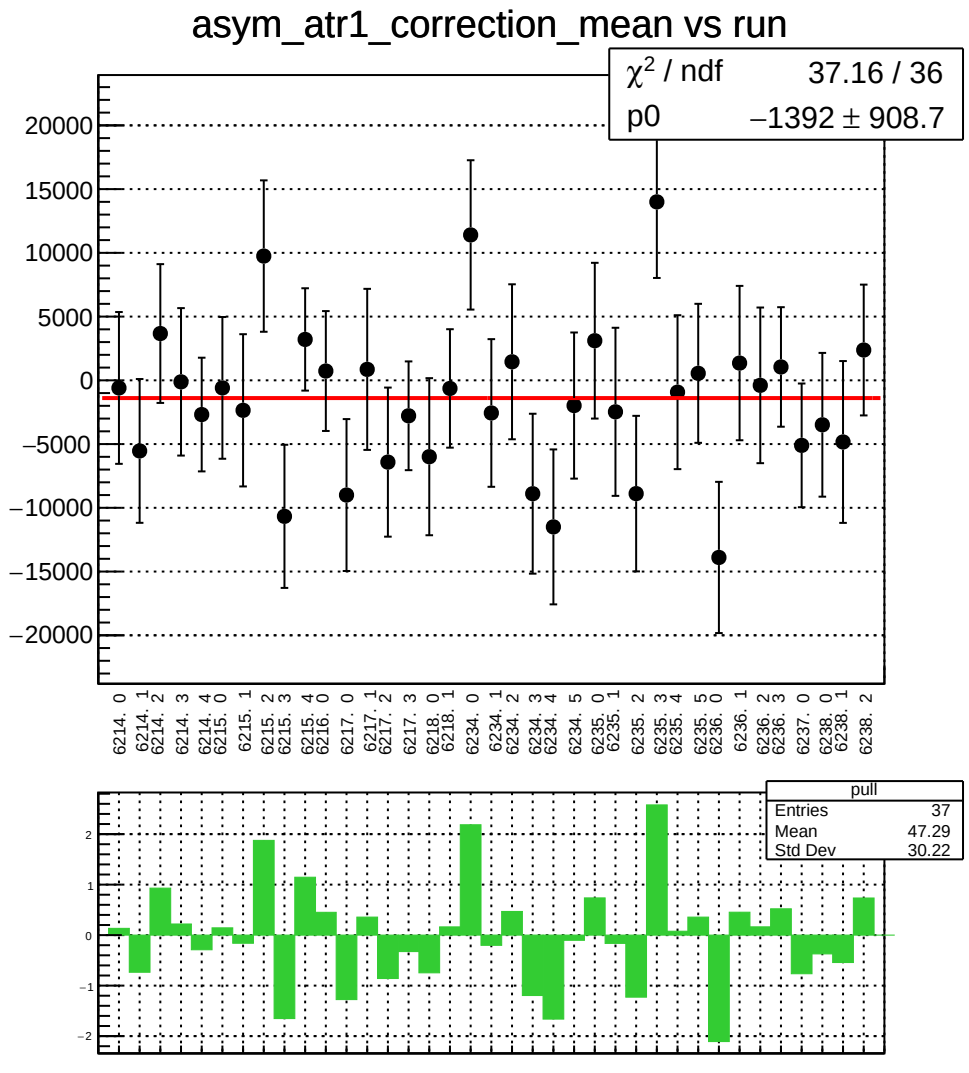

asym_atl2_mean vs run
×10^3
χ² / ndf 43.59 / 36
p0 1.144e+04 ± 9737
200
100
0
−100
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 16.23
Std Dev 13.46
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0279
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

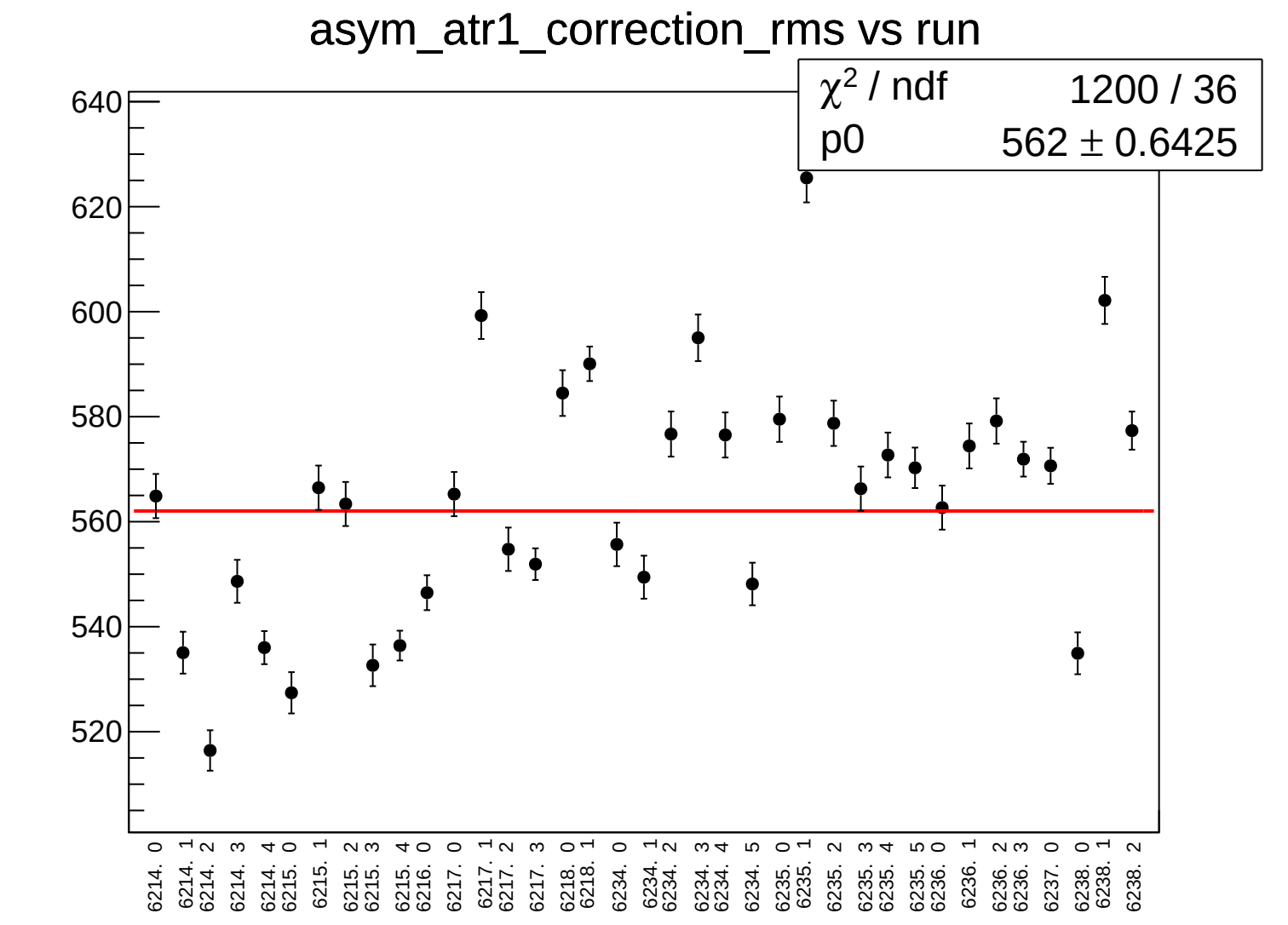

asym_atl2_rms vs run
χ^2 / ndf 5666 / 36
p0 6005 ± 6.885
11000
10000
9000
8000
7000
6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

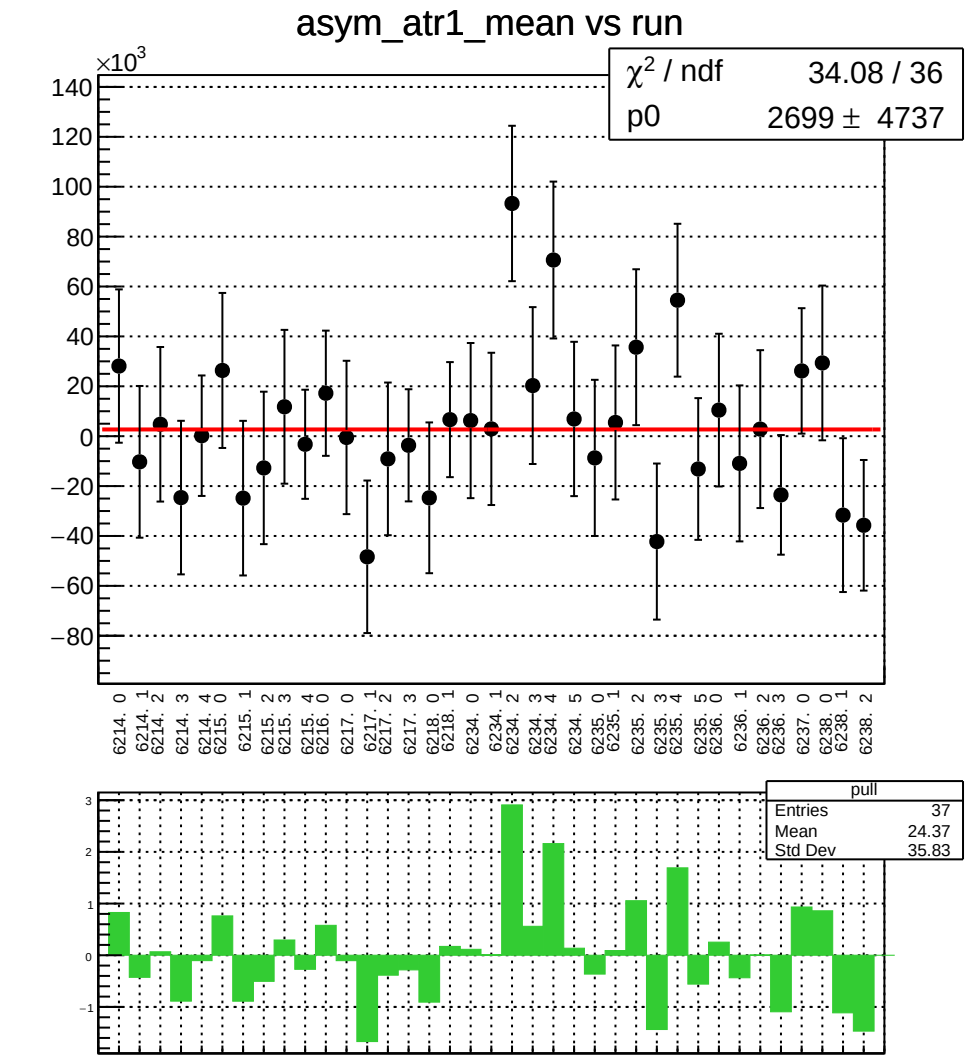

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 32.23 / 36
p0 1275 ± 4660
140
120
100
80
60
40
20
0
−20
−40
−60
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 17.07
Std Dev 39.09
3
2
1
0
−1

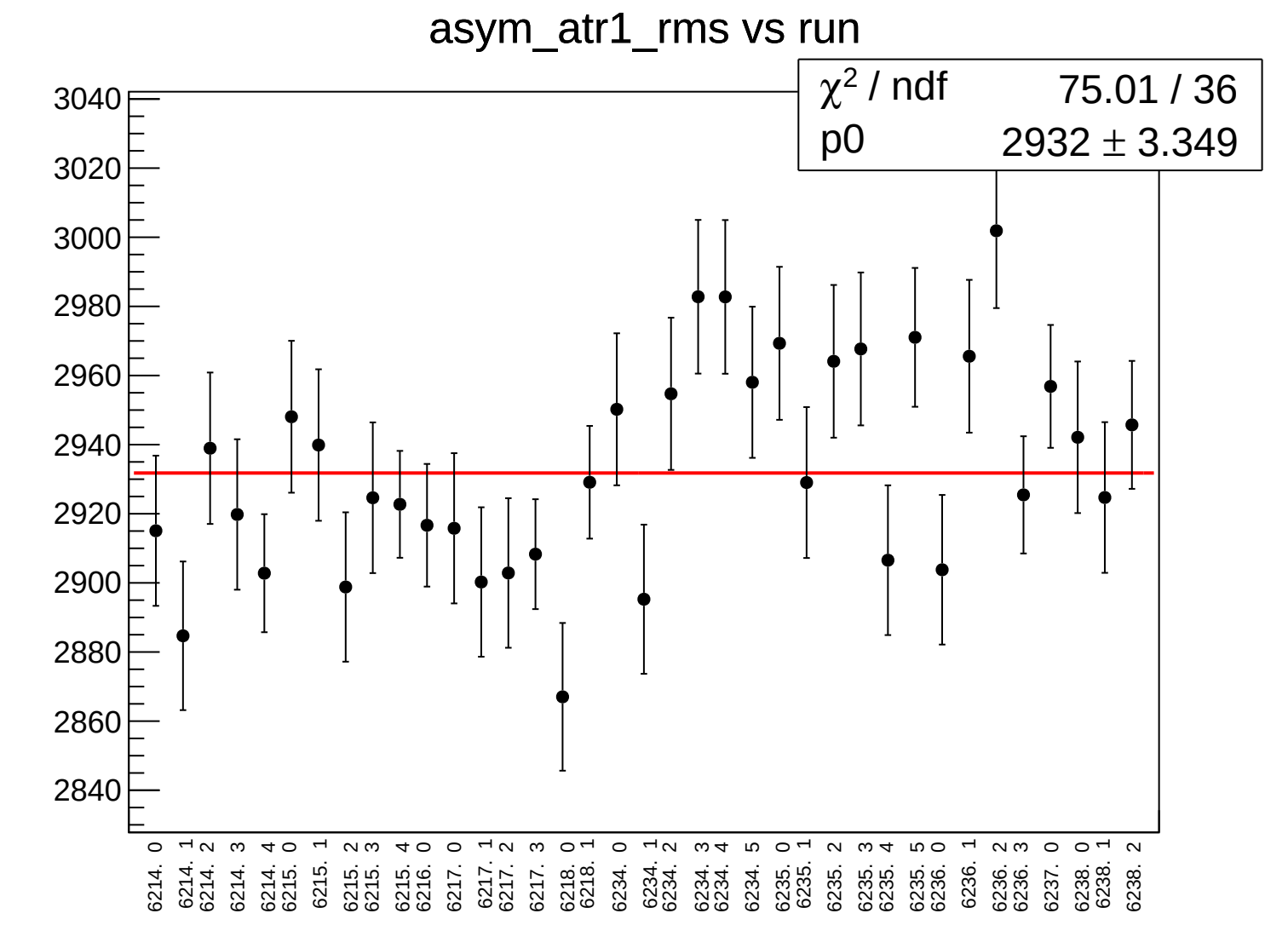

pull1D
Entries 37
Mean 0.01259
Std Dev 0.9332
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

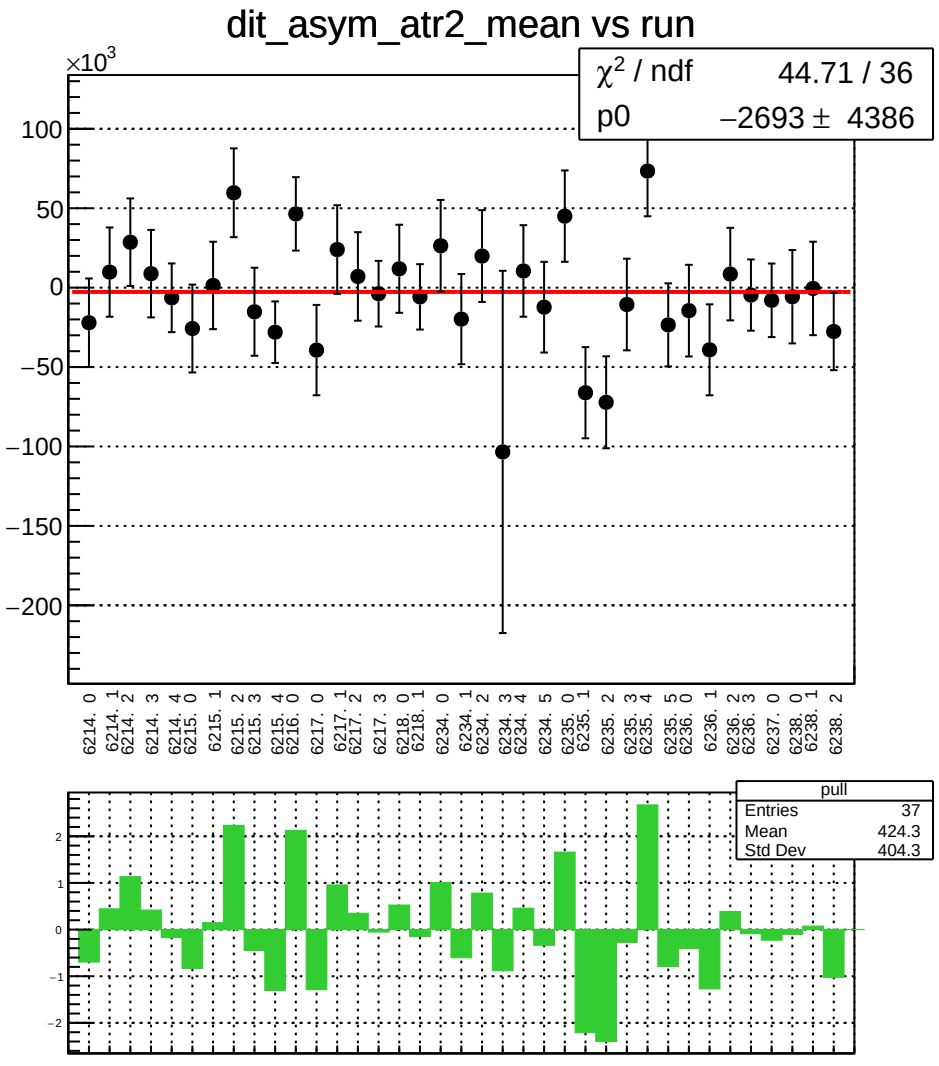

dit_asym_atr1_rms vs run
χ² / ndf 63.23 / 36
p0 2884 ± 3.295
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

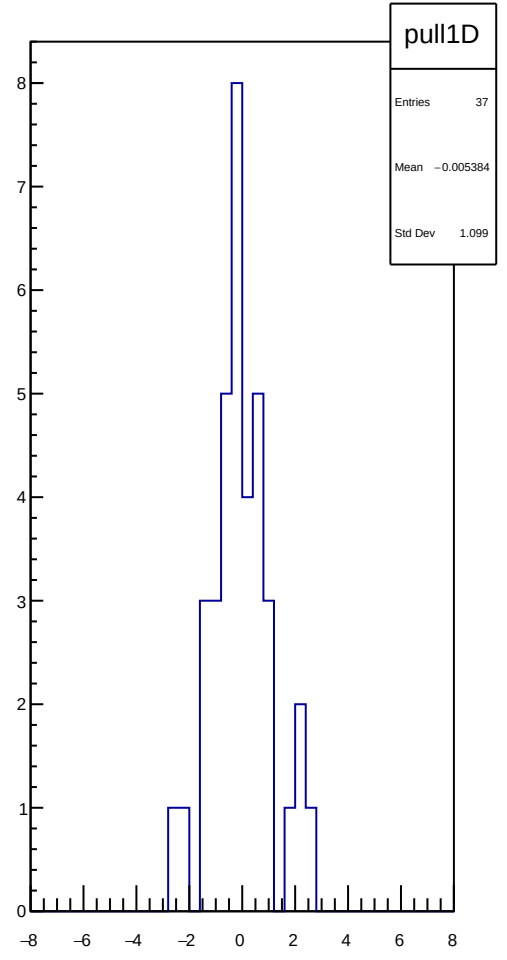

asym_atr1_correction_mean vs run
χ² / ndf 37.16 / 36
p0 −1392 ± 908.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 47.29
Std Dev 30.22
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01874
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

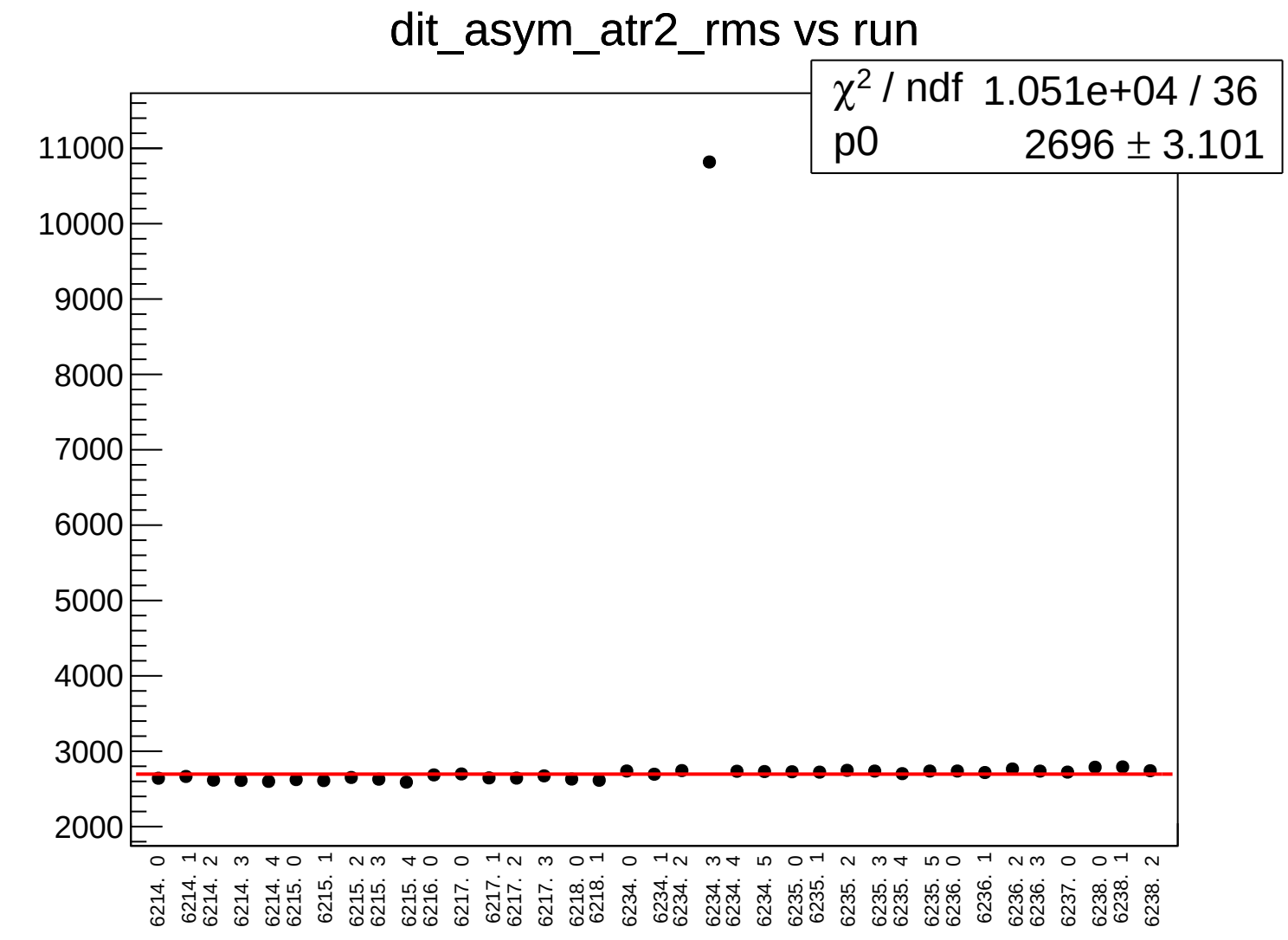

asym_atr1_correction_rms vs run
χ² / ndf 1200 / 36
p0 562 ± 0.6425
640
620
600
580
560
540
520
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

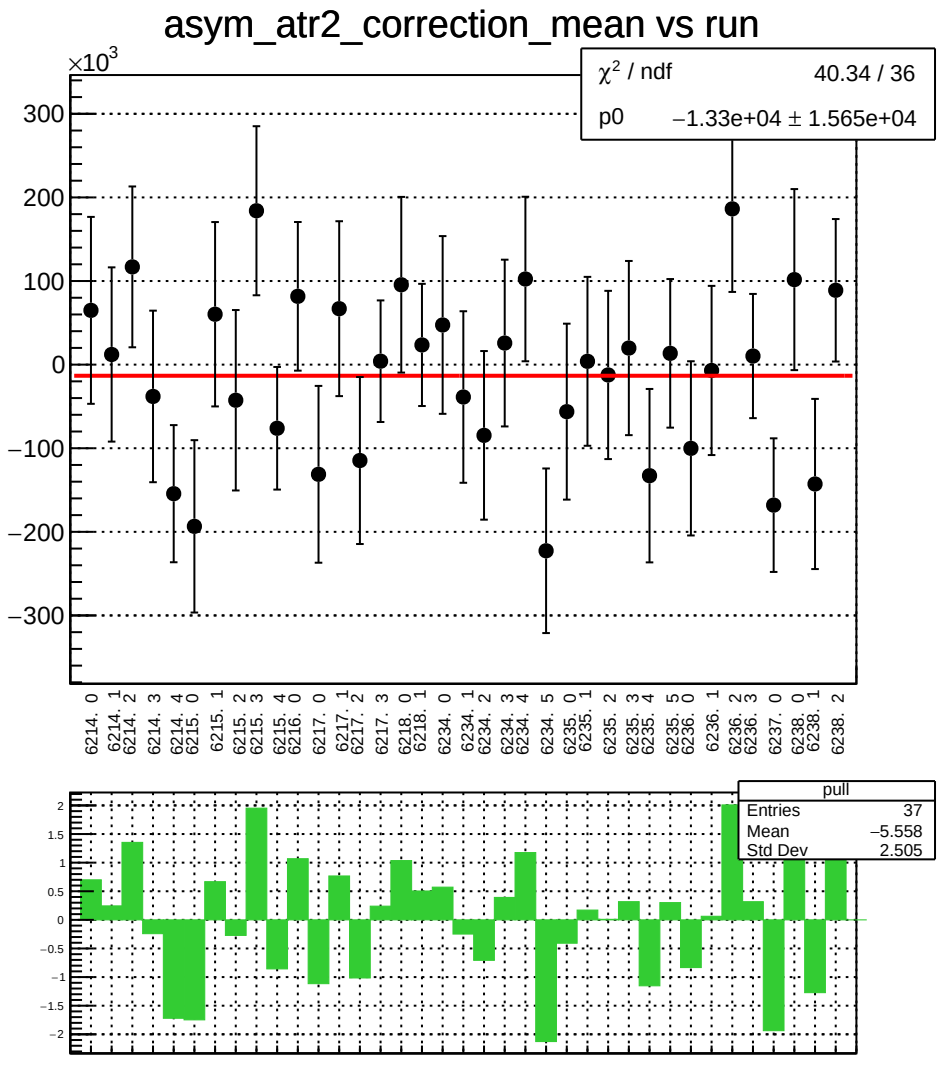

asym_atr1_mean vs run
×10^3
χ² / ndf 34.08 / 36
p0 2699 ± 4737
140
120
100
80
60
40
20
0
−20
−40
−60
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 24.37
Std Dev 35.83
3
2
1
0
−1
pull1D
Entries 37
Mean 0.01541
Std Dev 0.9596
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

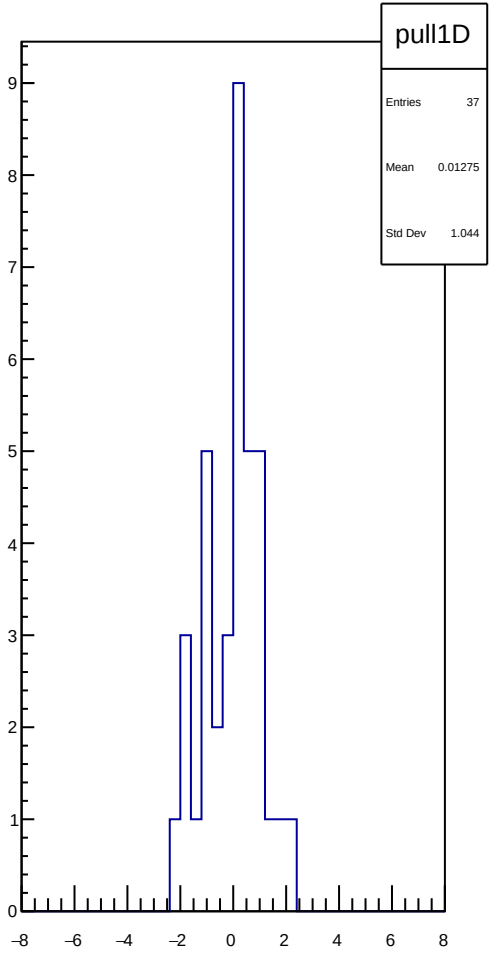

asym_atr1_rms vs run
χ² / ndf 75.01 / 36
p0 2932 ± 3.349
3040
3020
3000
2980
2960
2940
2920
2900
2880
2860
2840
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

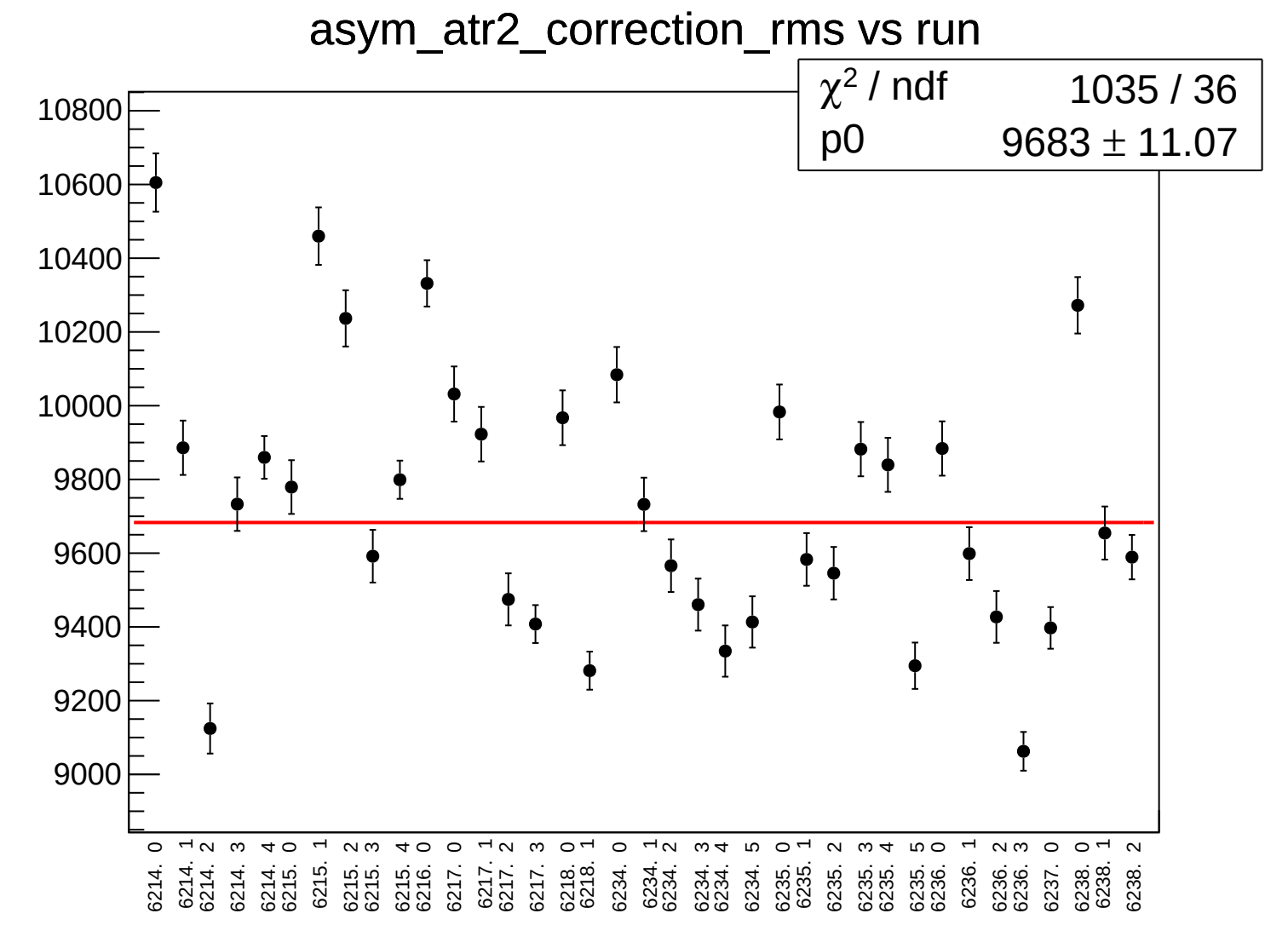

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 44.71 / 36
p0 −2693 ± 4386
100
50
0
−50
−100
−150
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 424.3
Std Dev 404.3
2
1
0
−1
−2

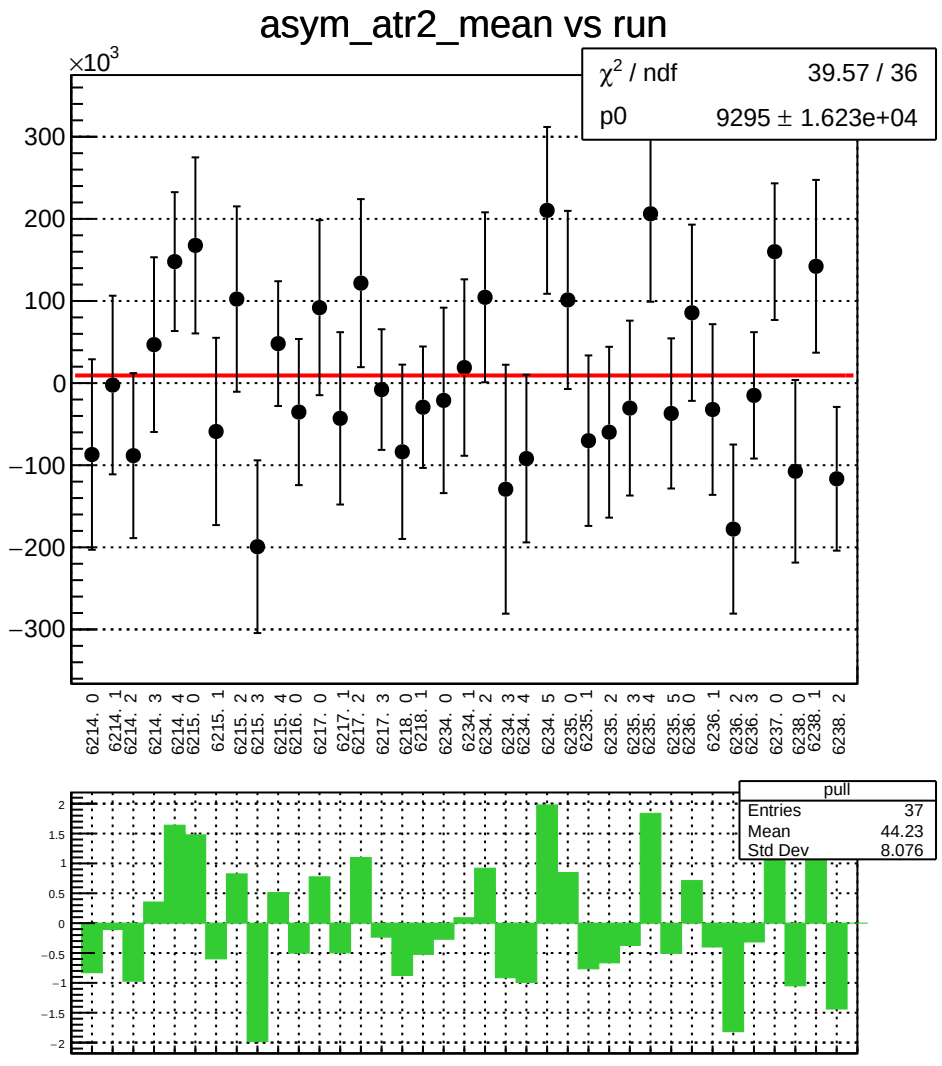

pull1D
Entries 37
Mean −0.005384
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

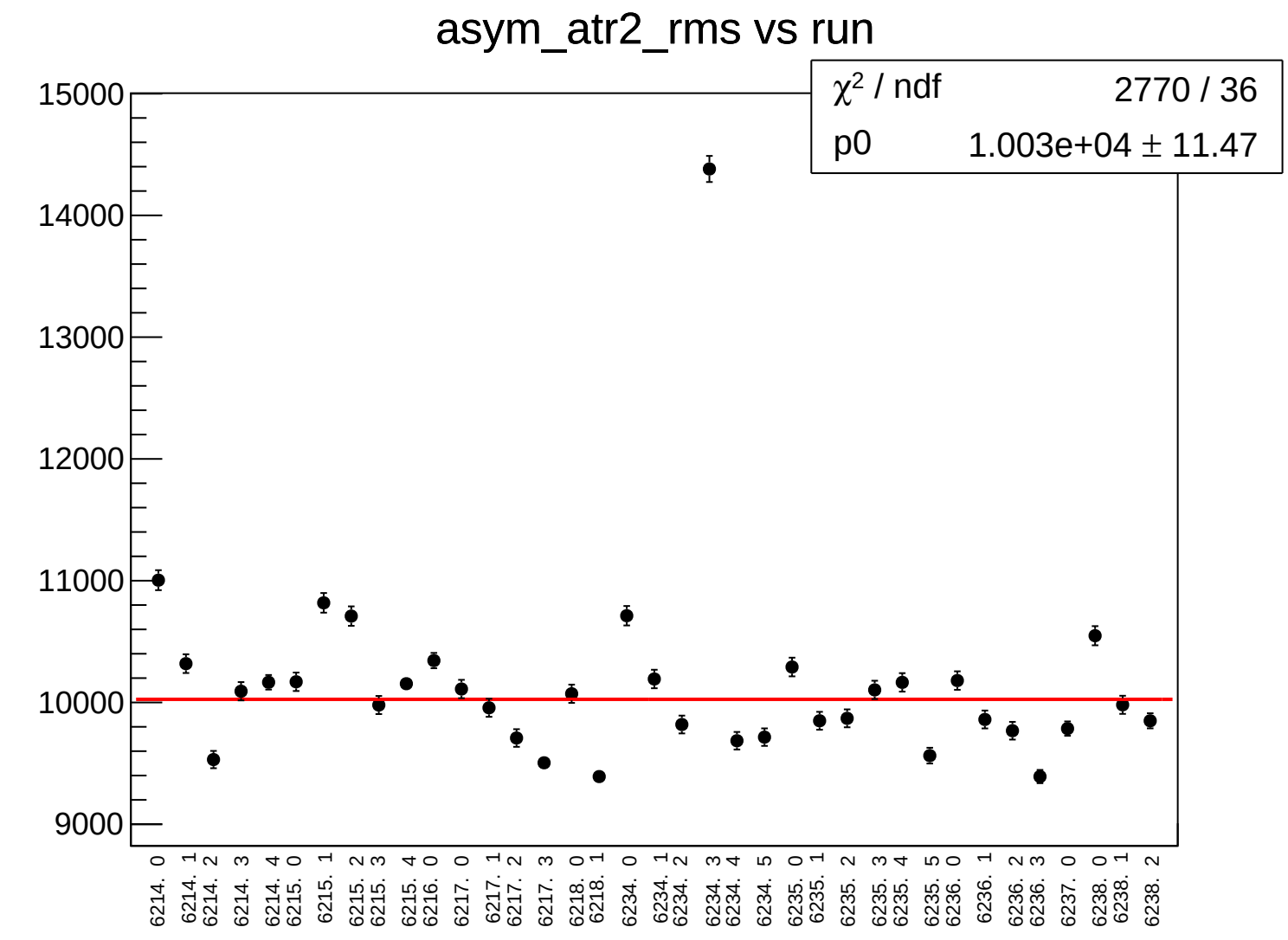

dit_asym_atr2_rms vs run
χ² / ndf 1.051e+04 / 36
p0 2696 ± 3.101
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

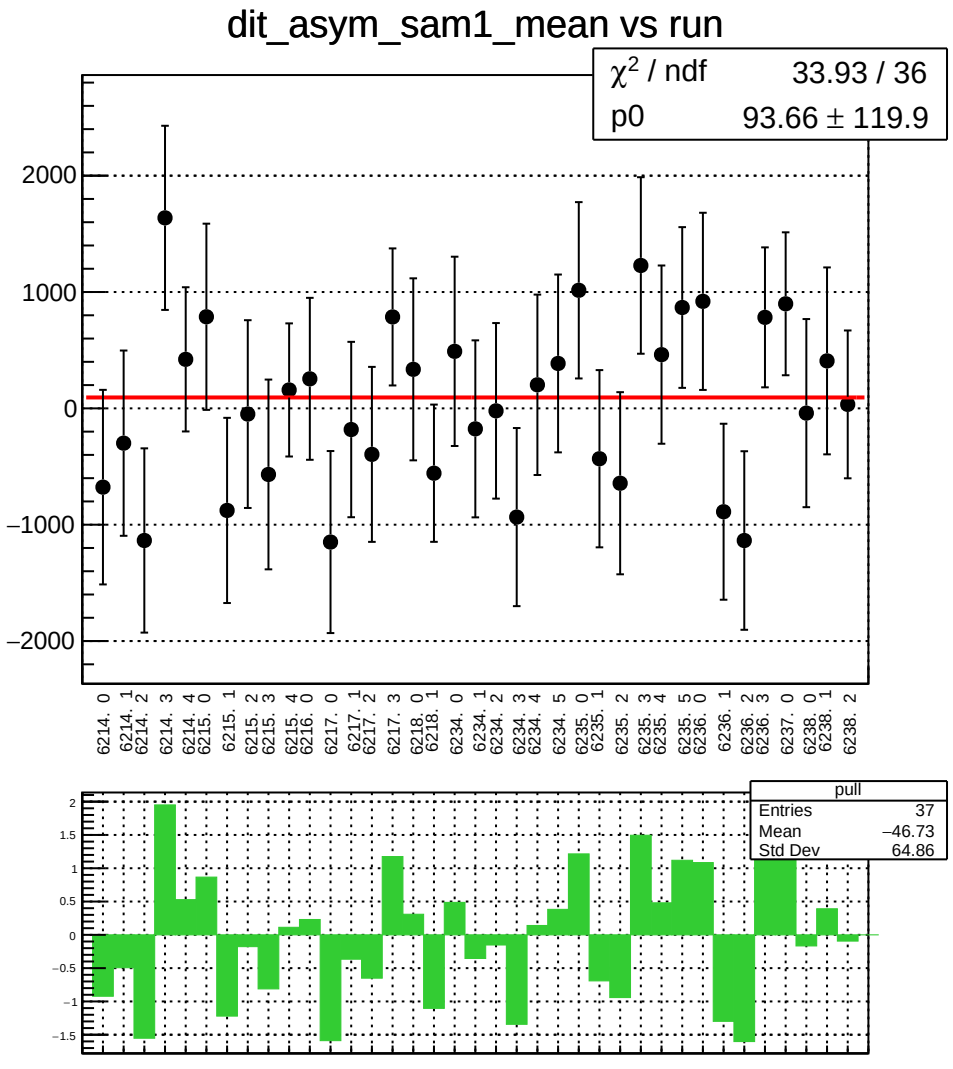

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 40.34 / 36
p0 −1.33e+04 ± 1.565e+04
300
200
100
0
−100
−200
−300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −5.558
Std Dev 2.505
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

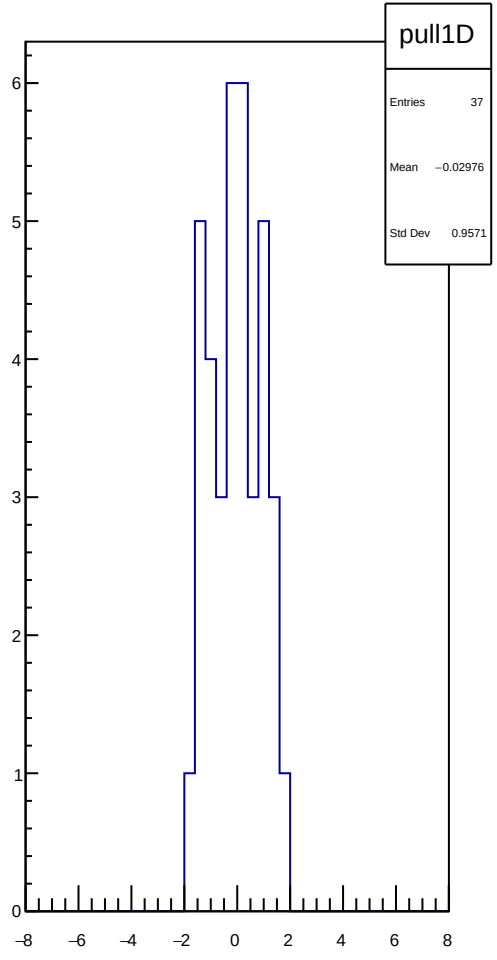

pull1D
Entries 37
Mean 0.01275
Std Dev 1.044
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

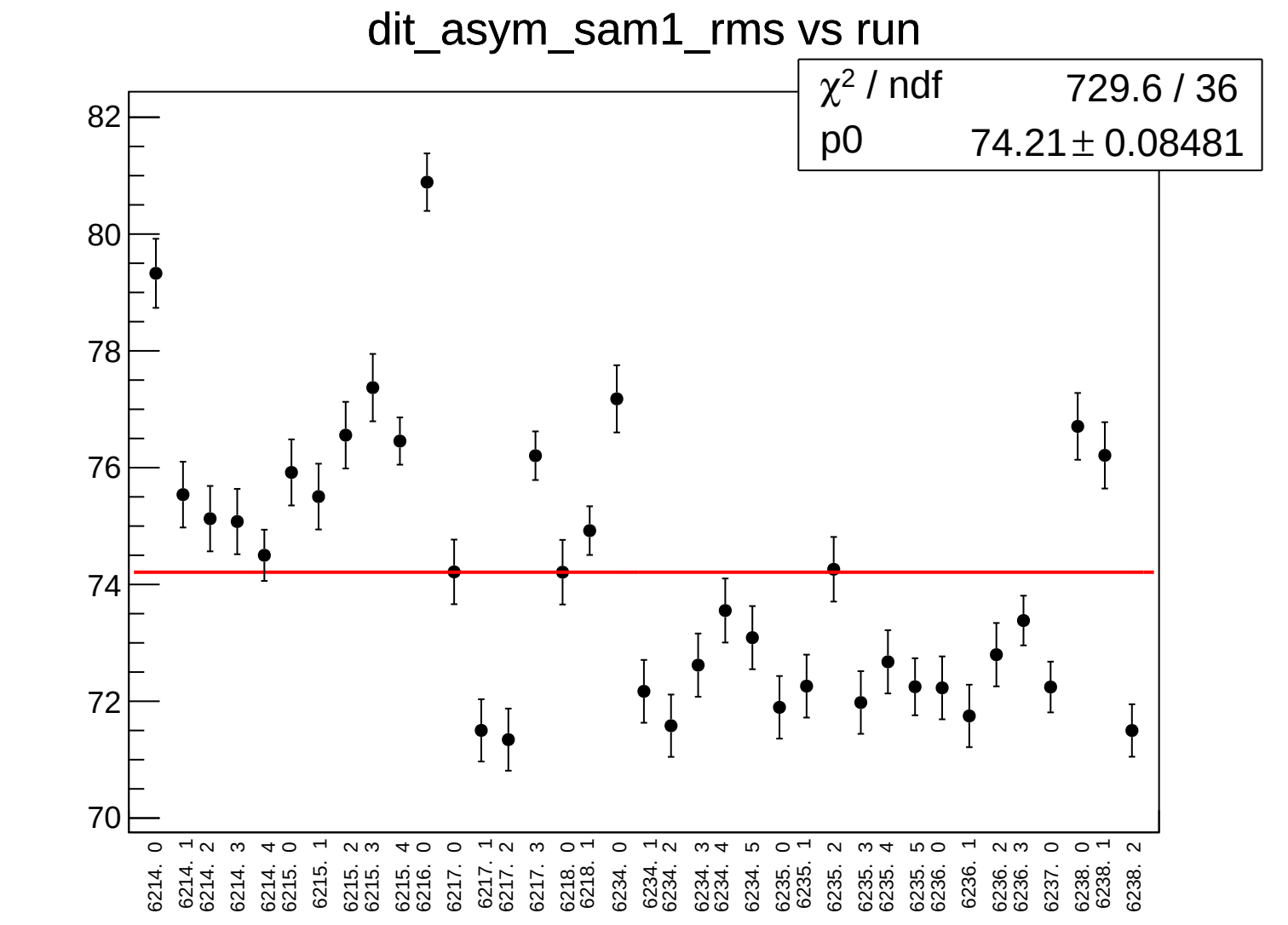

asym_atr2_correction_rms vs run
χ² / ndf 1035 / 36
p0 9683 ± 11.07
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

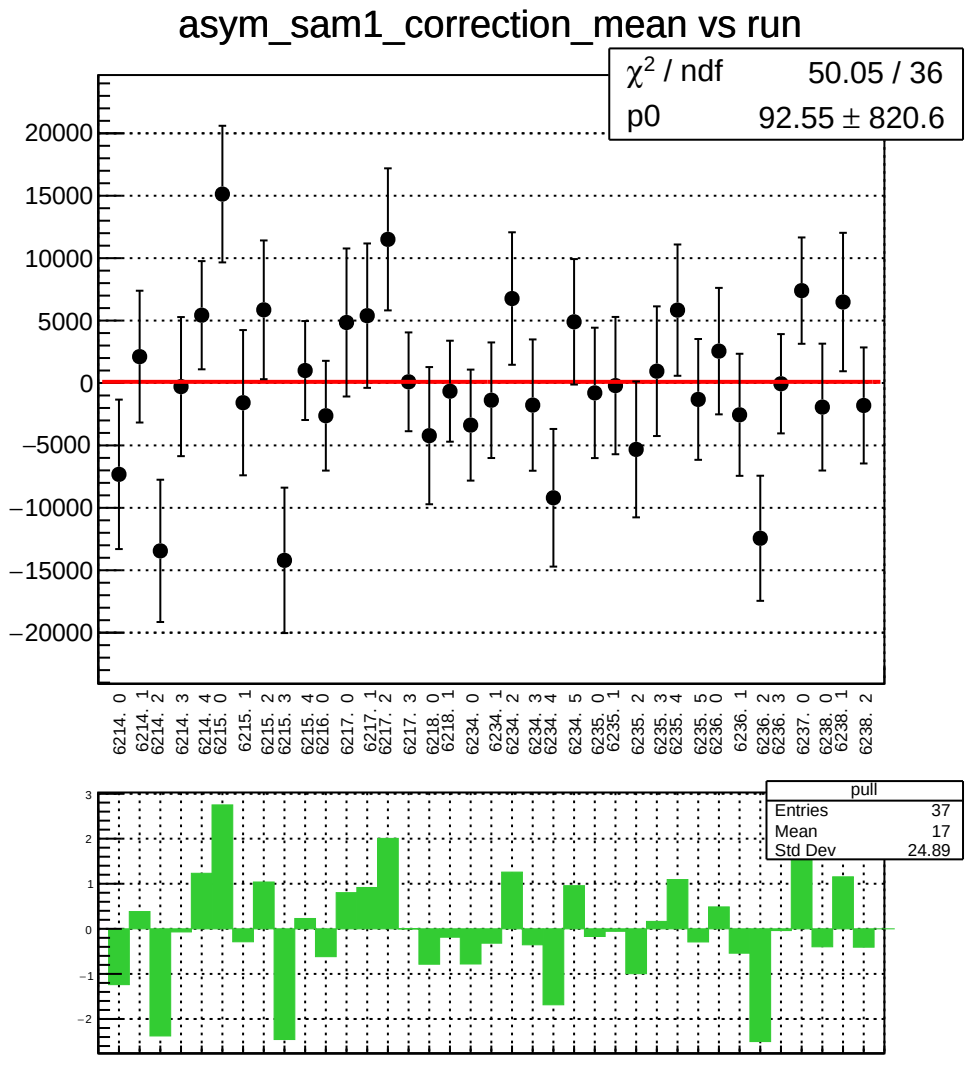

asym_atr2_mean vs run
×10^3
χ² / ndf 39.57 / 36
p0 9295 ± 1.623e+04
300
200
100
0
−100
−200
−300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 44.23
Std Dev 8.076
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01294
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

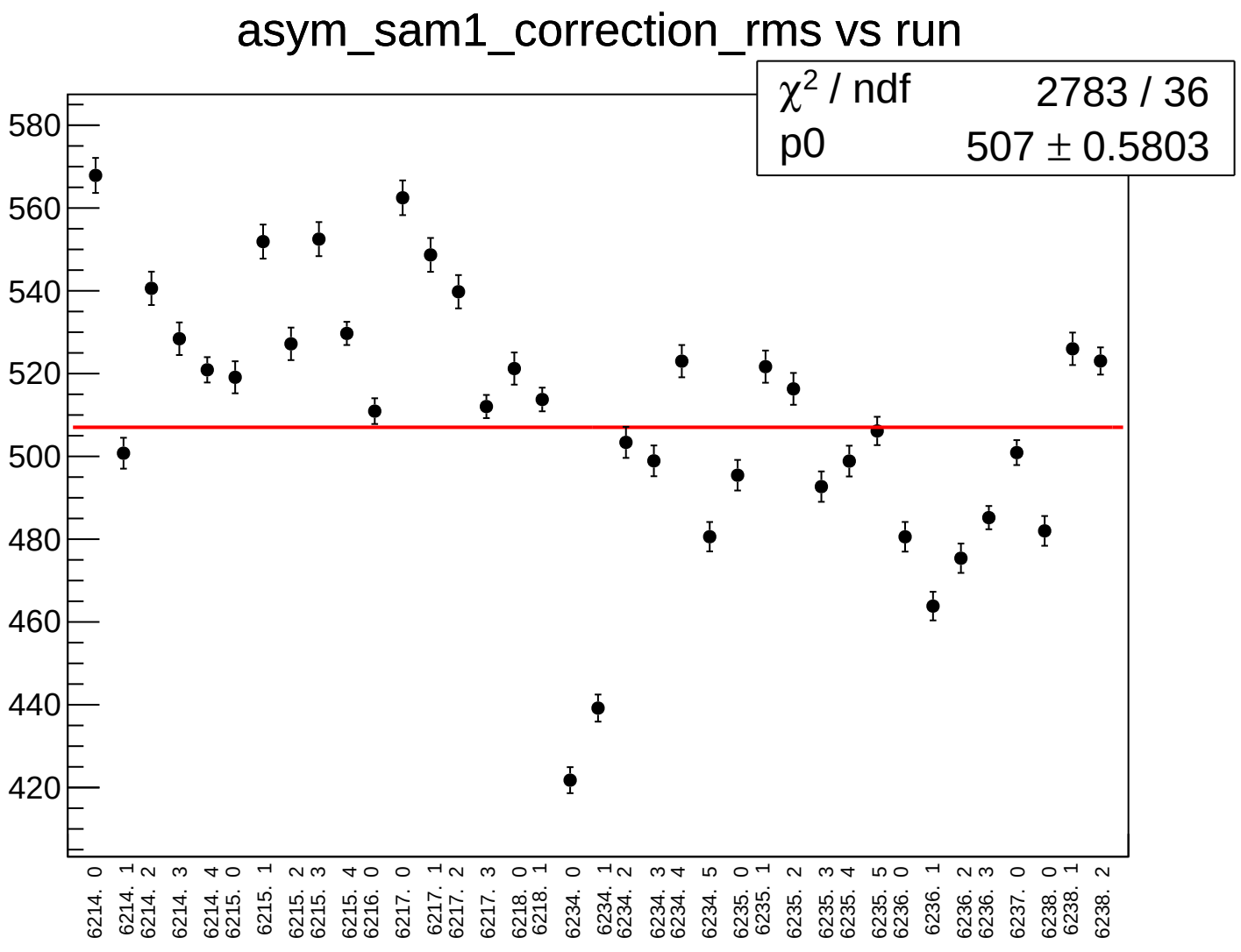

asym_atr2_rms vs run
χ² / ndf 2770 / 36
p0 1.003e+04 ± 11.47
15000
14000
13000
12000
11000
10000
9000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

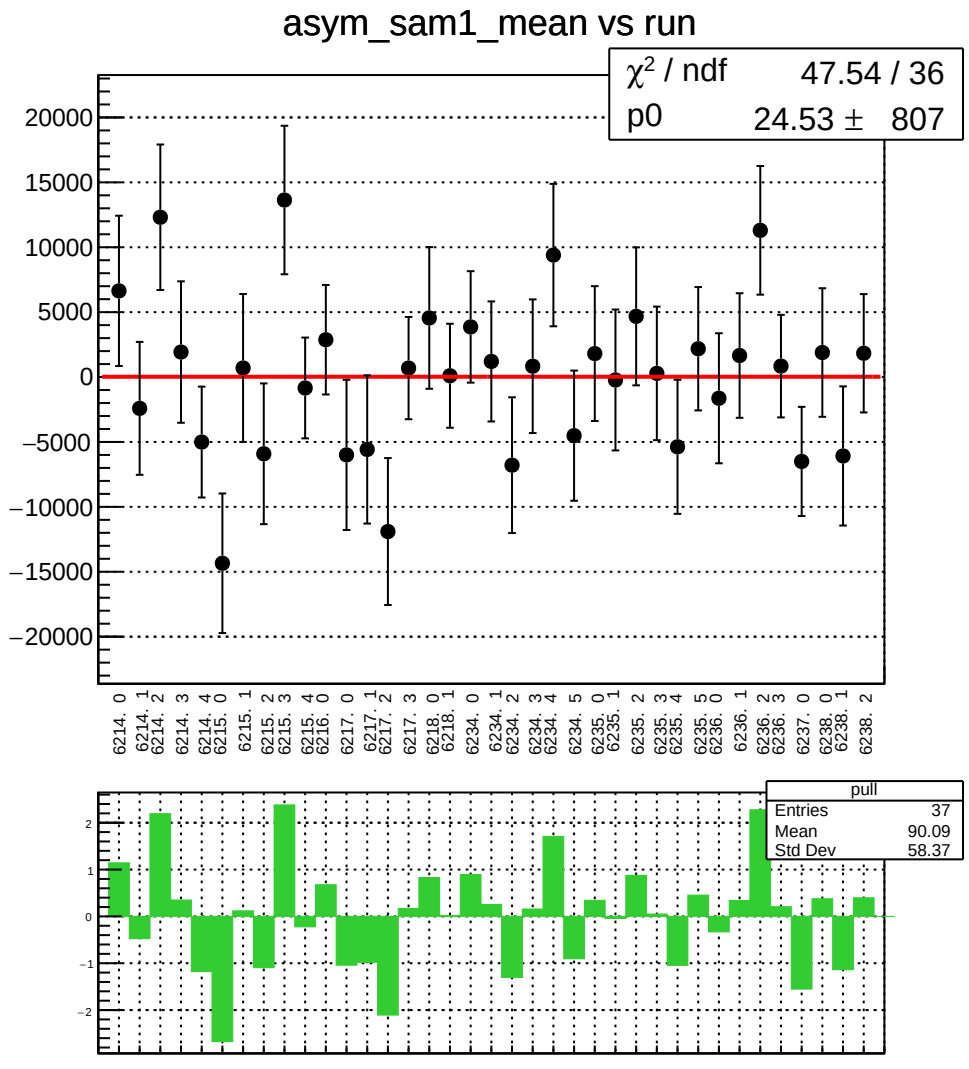

dit_asym_sam1_mean vs run
χ² / ndf 33.93 / 36
p0 93.66 ± 119.9
2000
1000
0
−1000
−2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −46.73
Std Dev 64.86
2
1.5
1
0.5
0
−0.5
−1
−1.5

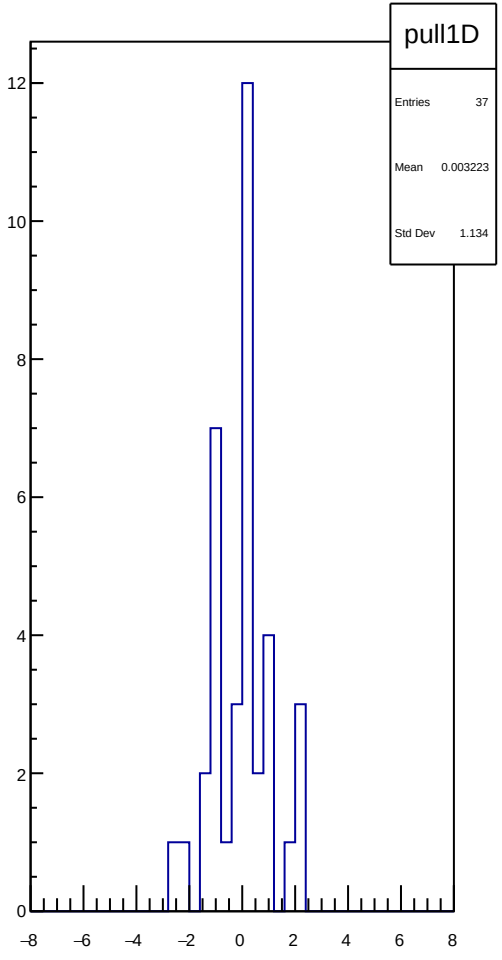

pull1D
Entries 37
Mean −0.02976
Std Dev 0.9571
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

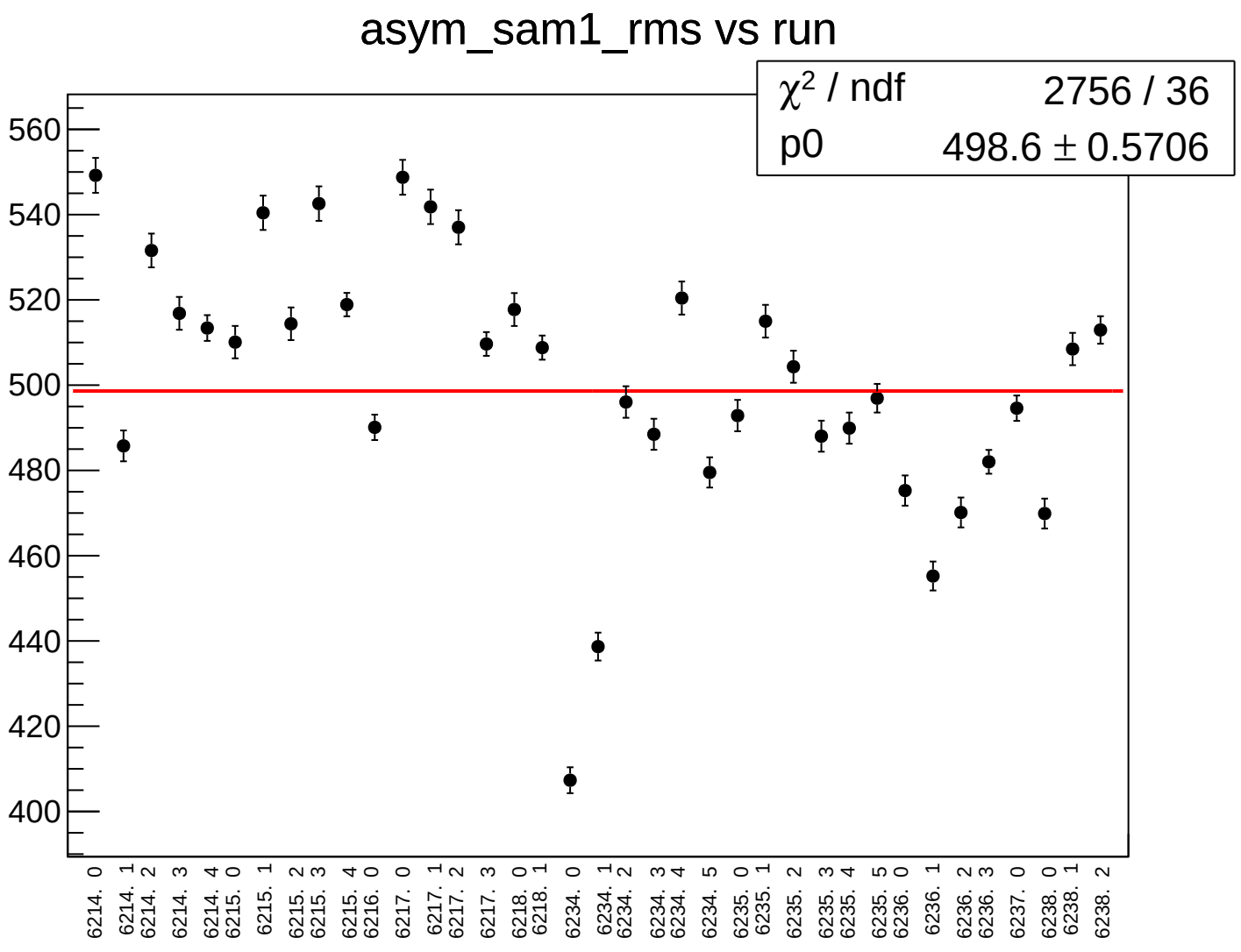

dit_asym_sam1_rms vs run
χ² / ndf 729.6 / 36
p0 74.21 ± 0.08481
82
80
78
76
74
72
70
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

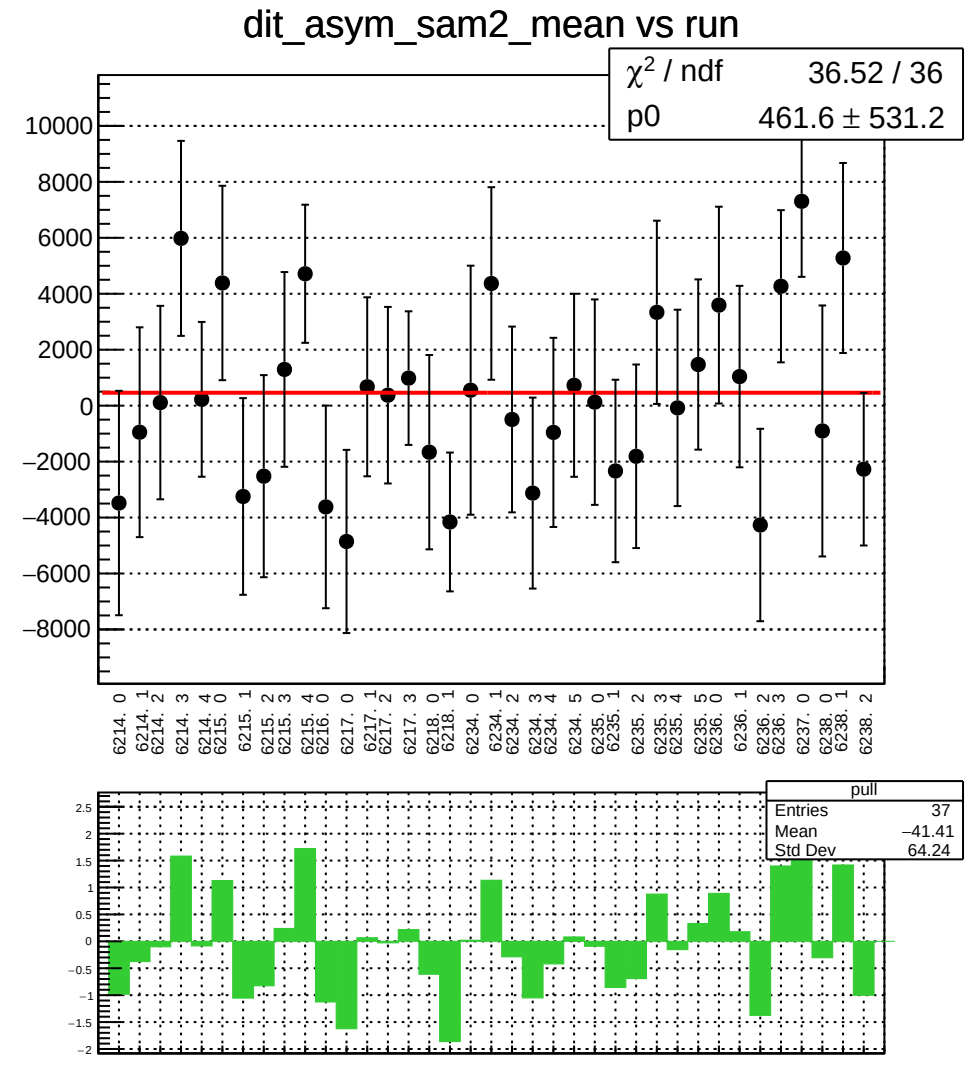

asym_sam1_correction_mean vs run
χ² / ndf 50.05 / 36
p0 92.55 ± 820.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 17
Std Dev 24.89
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.009793
Std Dev 1.163
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

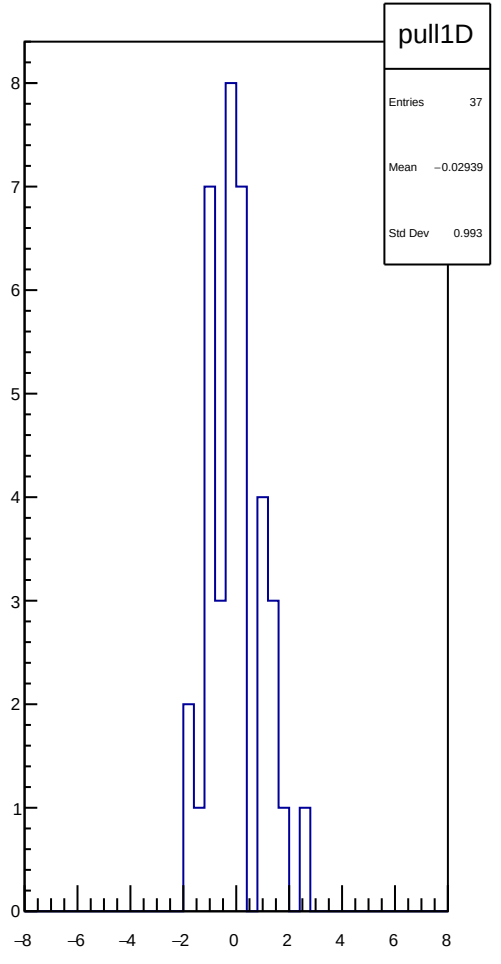

asym_sam1_correction_rms vs run
χ² / ndf 2783 / 36
p0 507 ± 0.5803
580
560
540
520
500
480
460
440
420
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

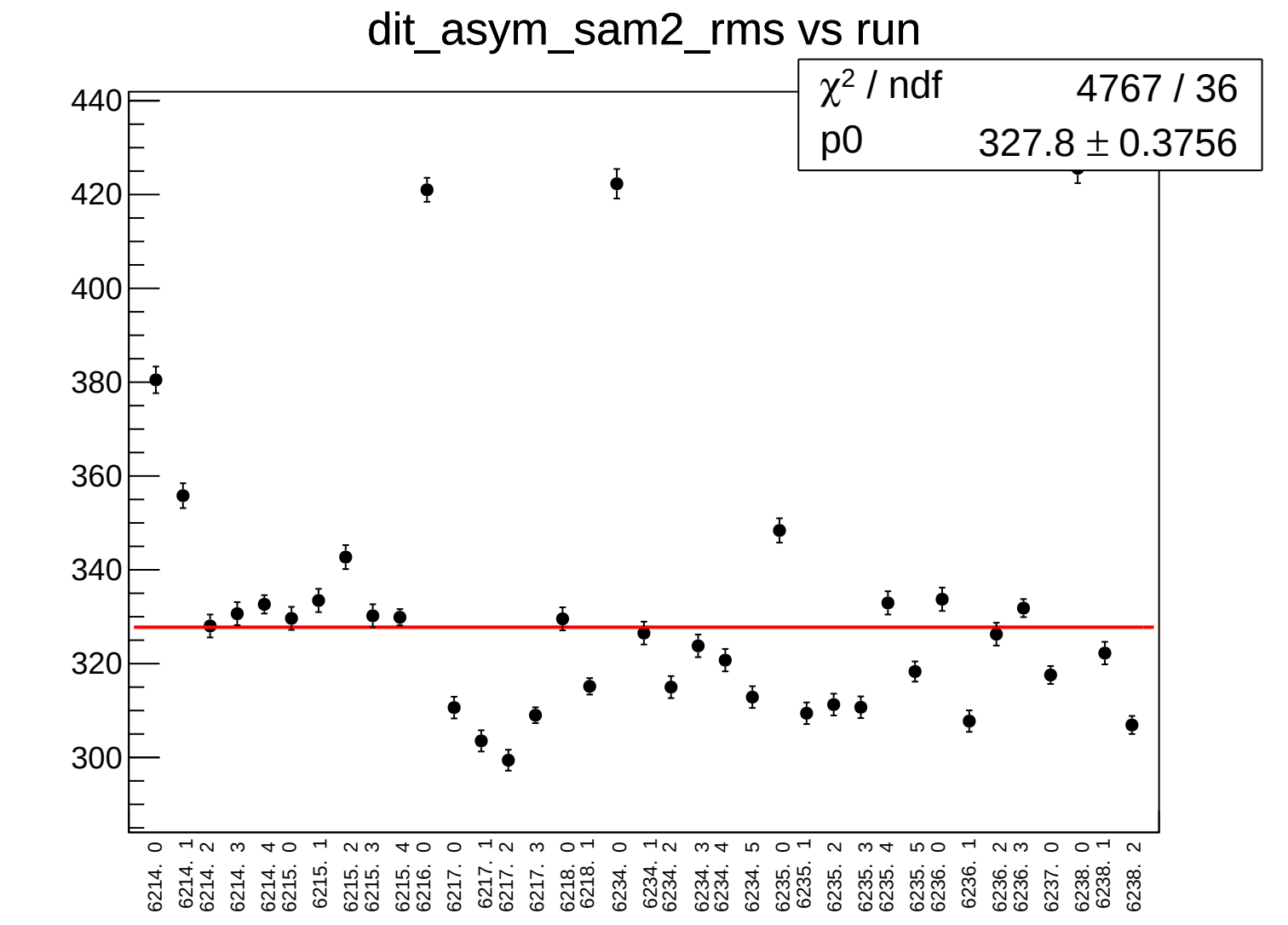

asym_sam1_mean vs run
χ² / ndf 47.54 / 36
p0 24.53 ± 807
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 90.09
Std Dev 58.37
2
1
0
−1
−2

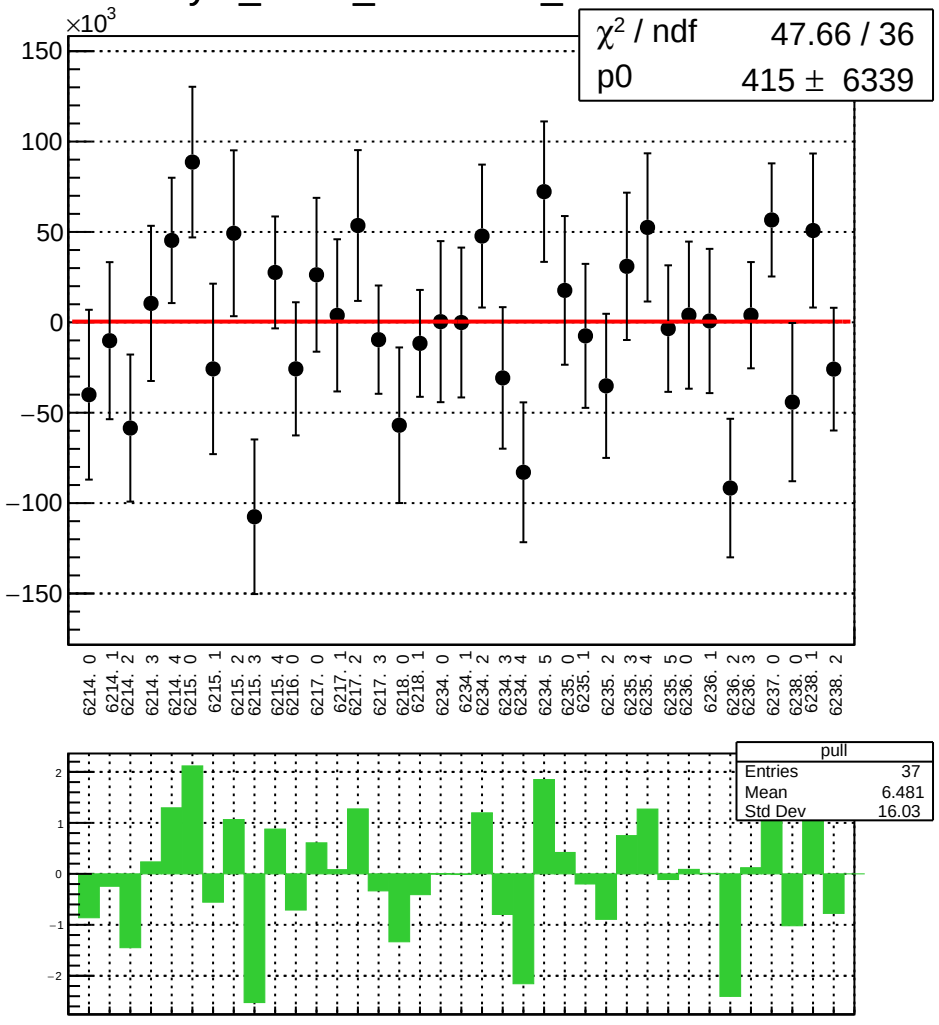

pull1D
Entries 37
Mean 0.003223
Std Dev 1.134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

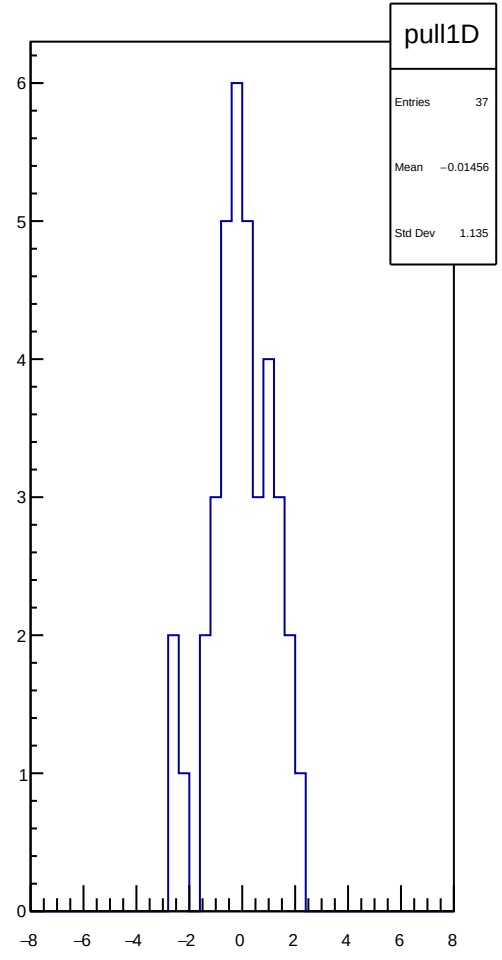

asym_sam1_rms vs run
χ² / ndf 2756 / 36
p0 498.6 ± 0.5706
560
540
520
500
480
460
440
420
400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

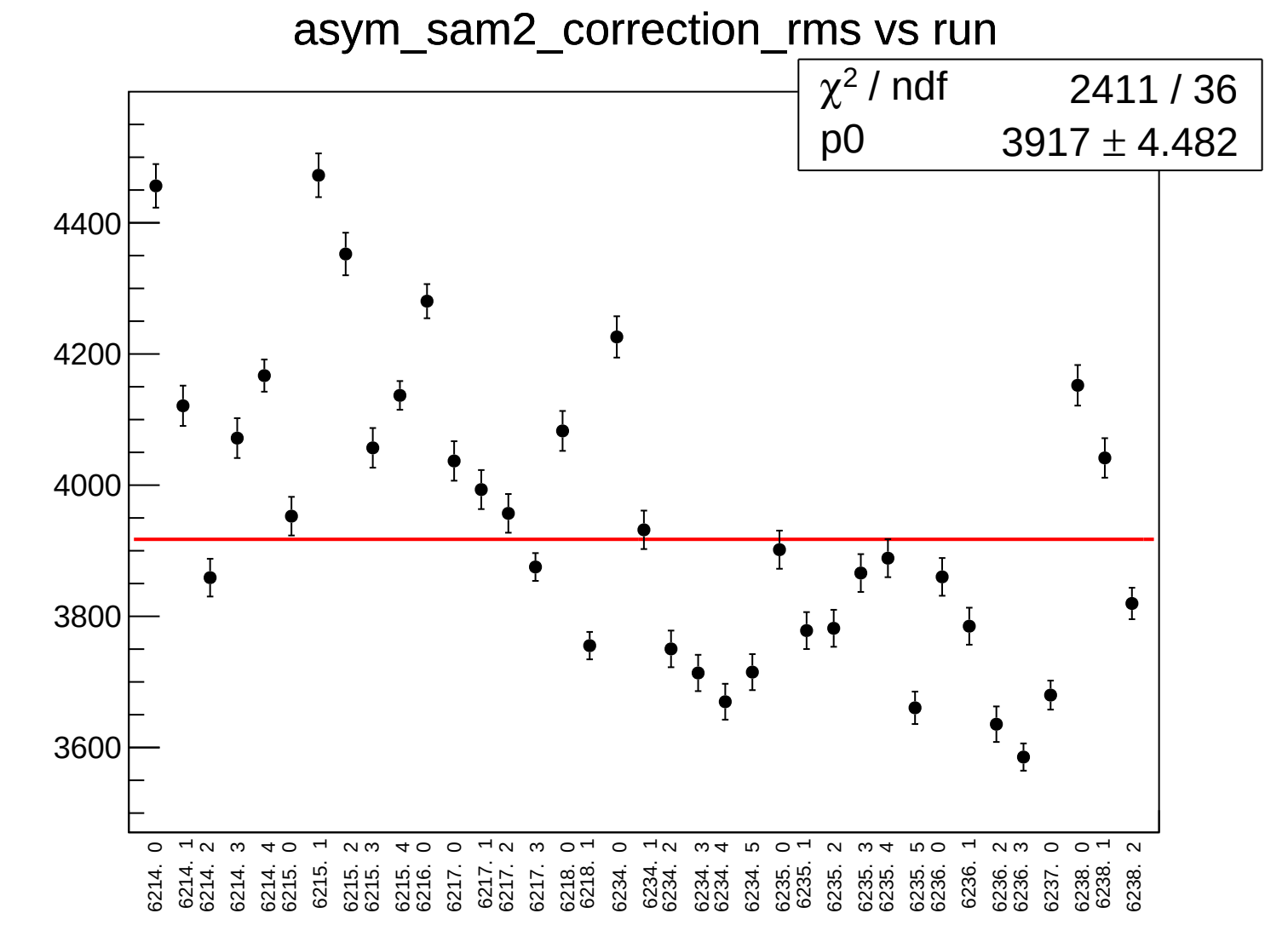

dit_asym_sam2_mean vs run
χ² / ndf 36.52 / 36
p0 461.6 ± 531.2
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −41.41
Std Dev 64.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

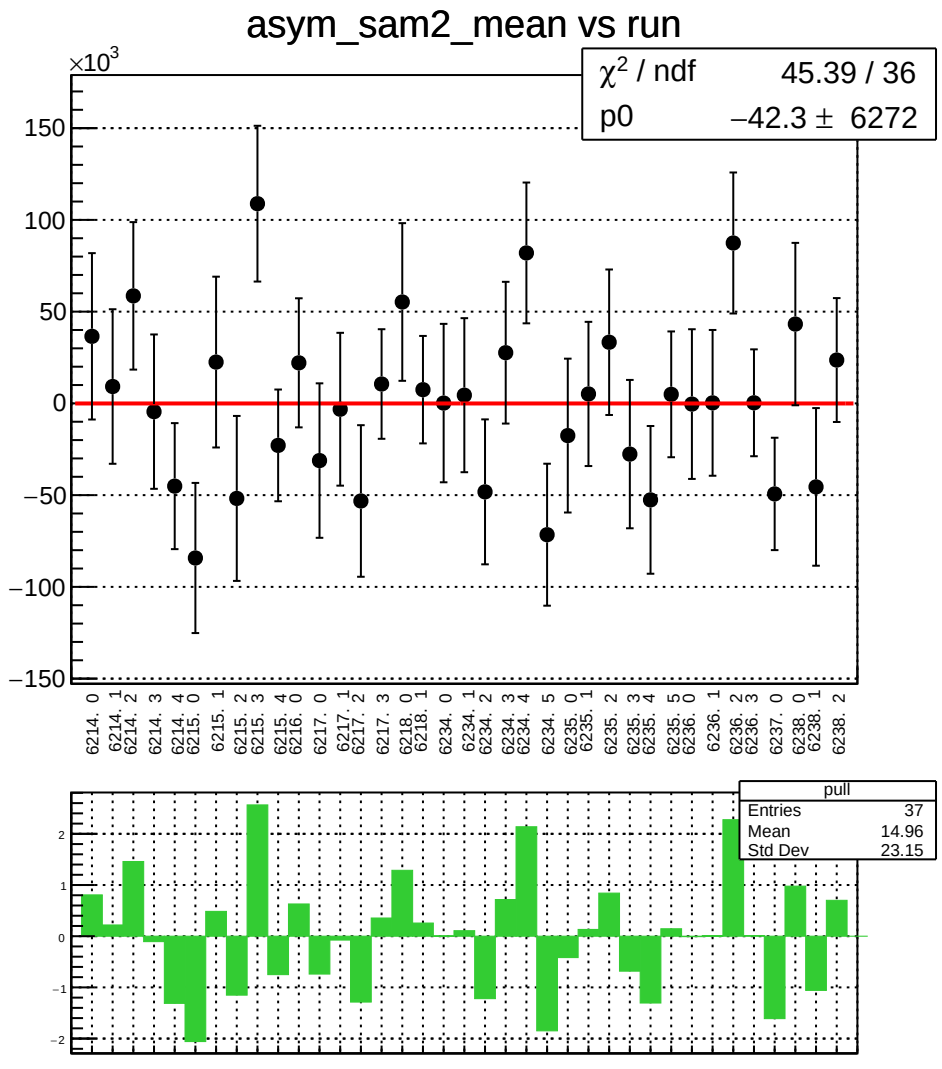

pull1D
Entries 37
Mean −0.02939
Std Dev 0.993
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

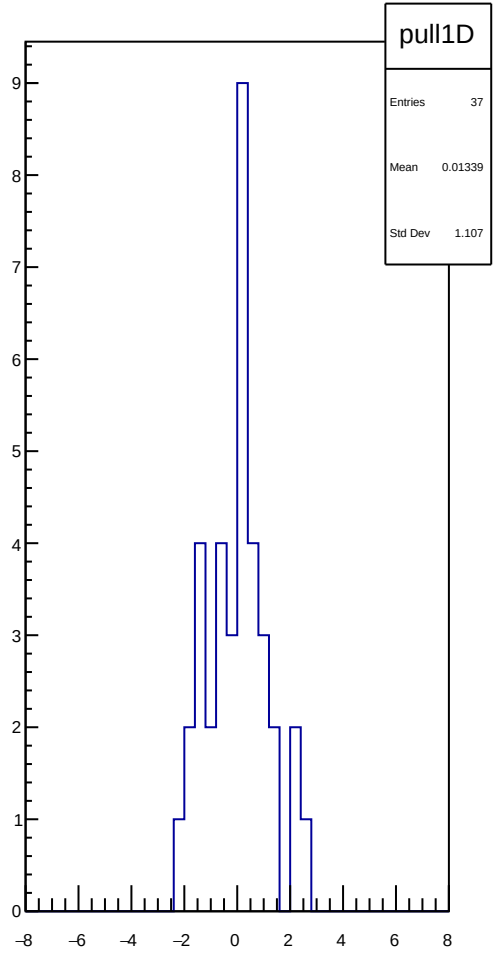

dit_asym_sam2_rms vs run
χ² / ndf 4767 / 36
p0 327.8 ± 0.3756
440
420
400
380
360
340
320
300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

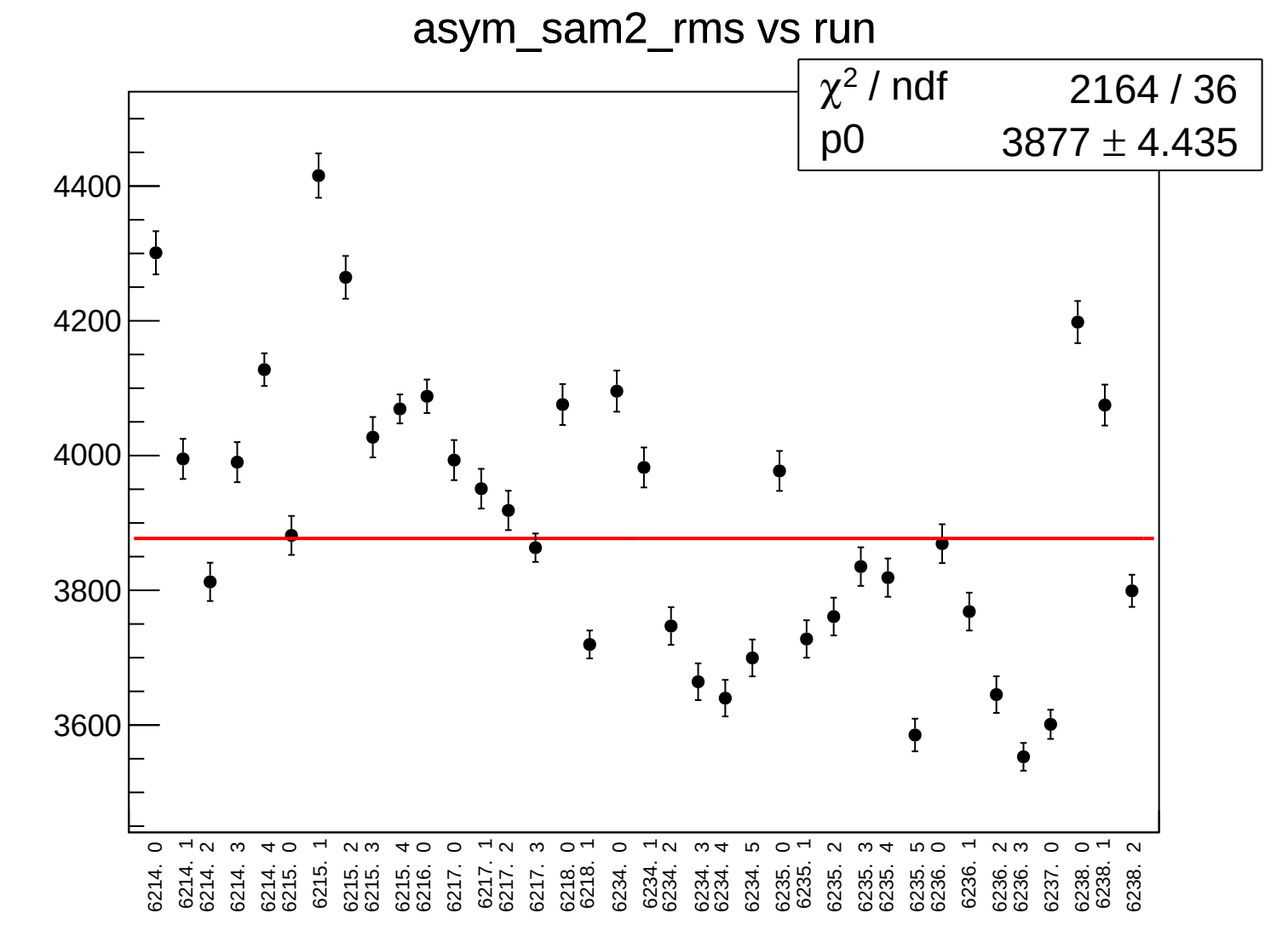

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 47.66 / 36
p0 415 ± 6339
150
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 6.481
Std Dev 16.03
2
1
0
−1
−2

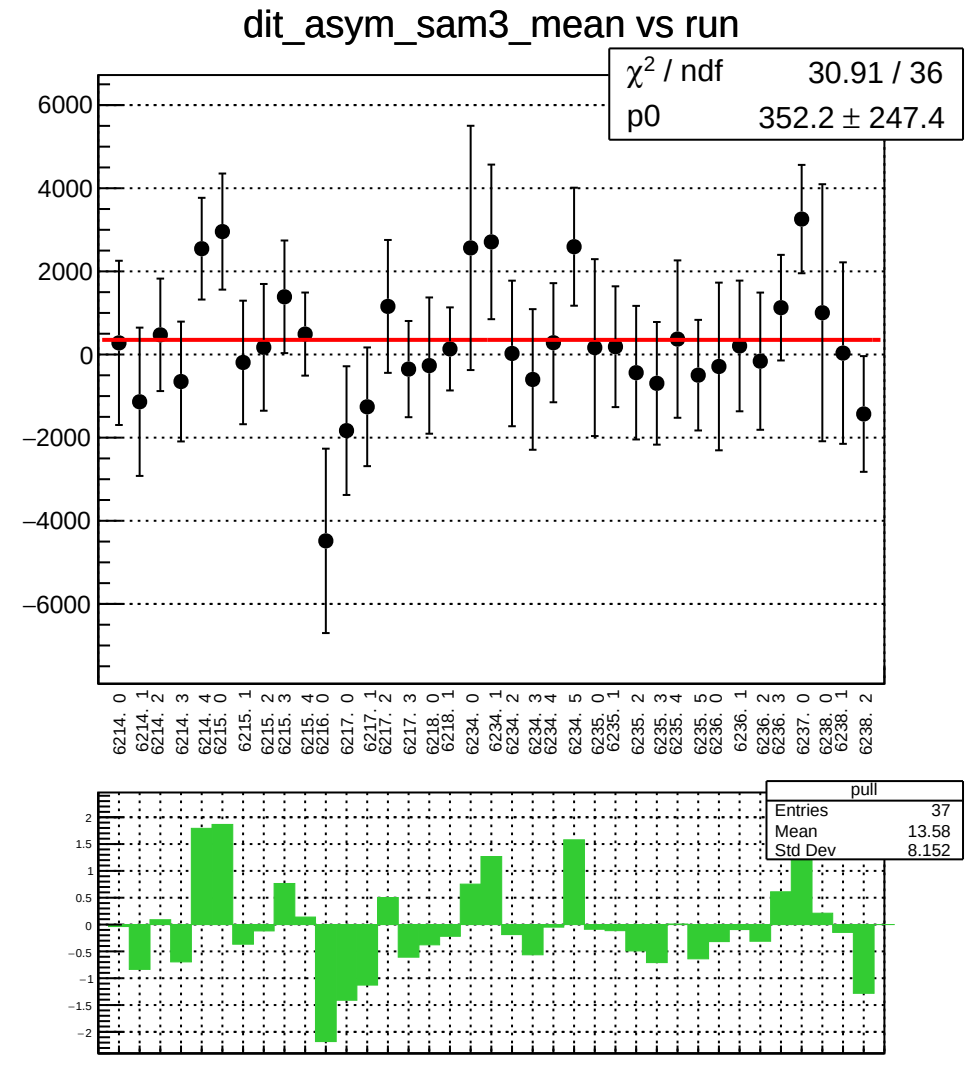

pull1D
Entries 37
Mean −0.01456
Std Dev 1.135
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

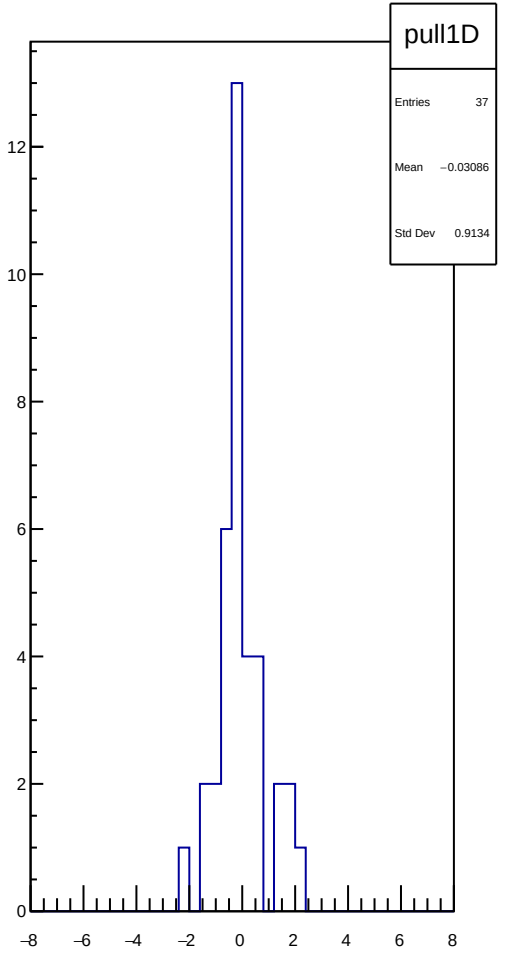

asym_sam2_correction_rms vs run
χ² / ndf 2411 / 36
p0 3917 ± 4.482
4400
4200
4000
3800
3600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

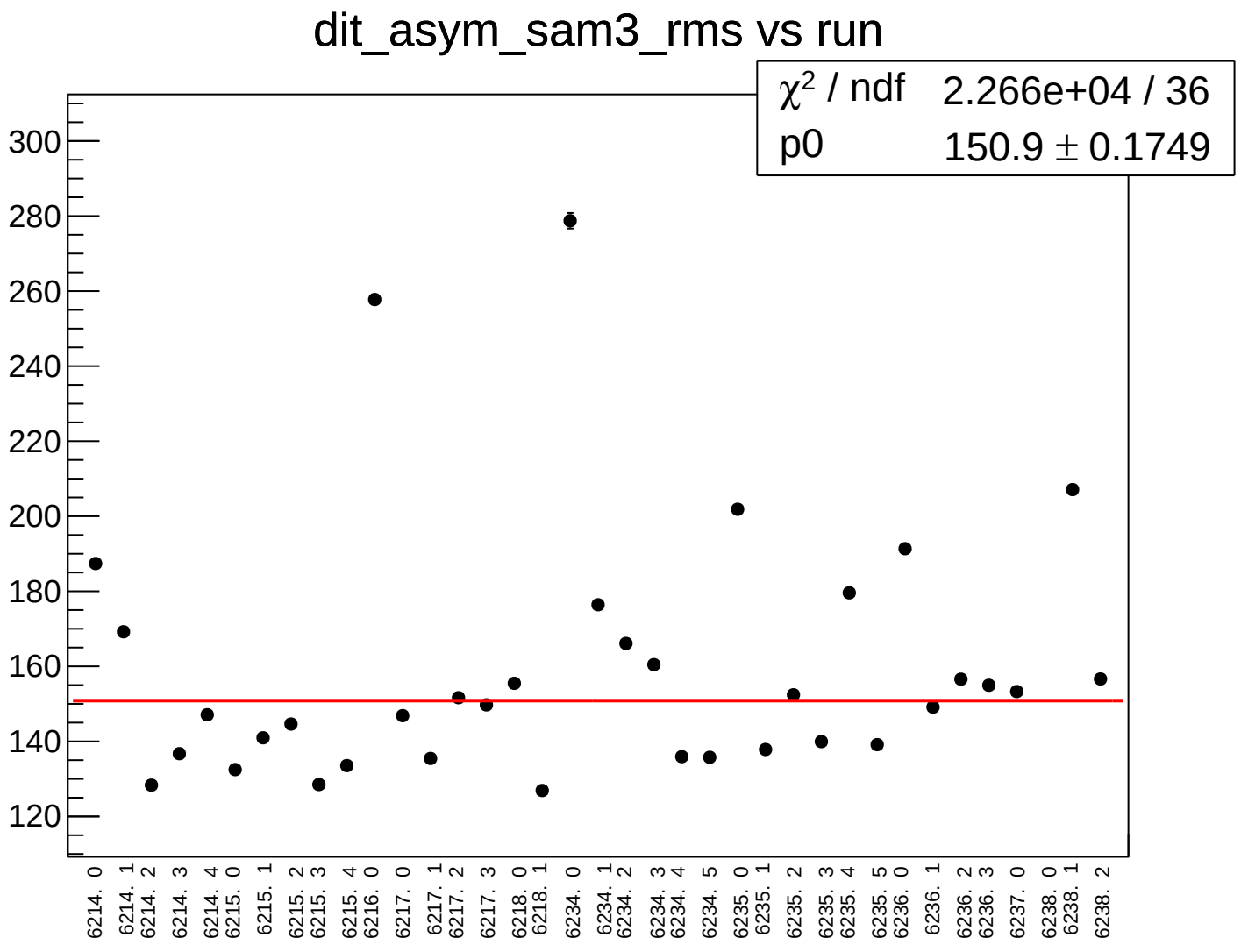

asym_sam2_mean vs run
×10^3
χ² / ndf 45.39 / 36
p0 −42.3 ± 6272
150
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 14.96
Std Dev 23.15
2
1
0
−1
−2

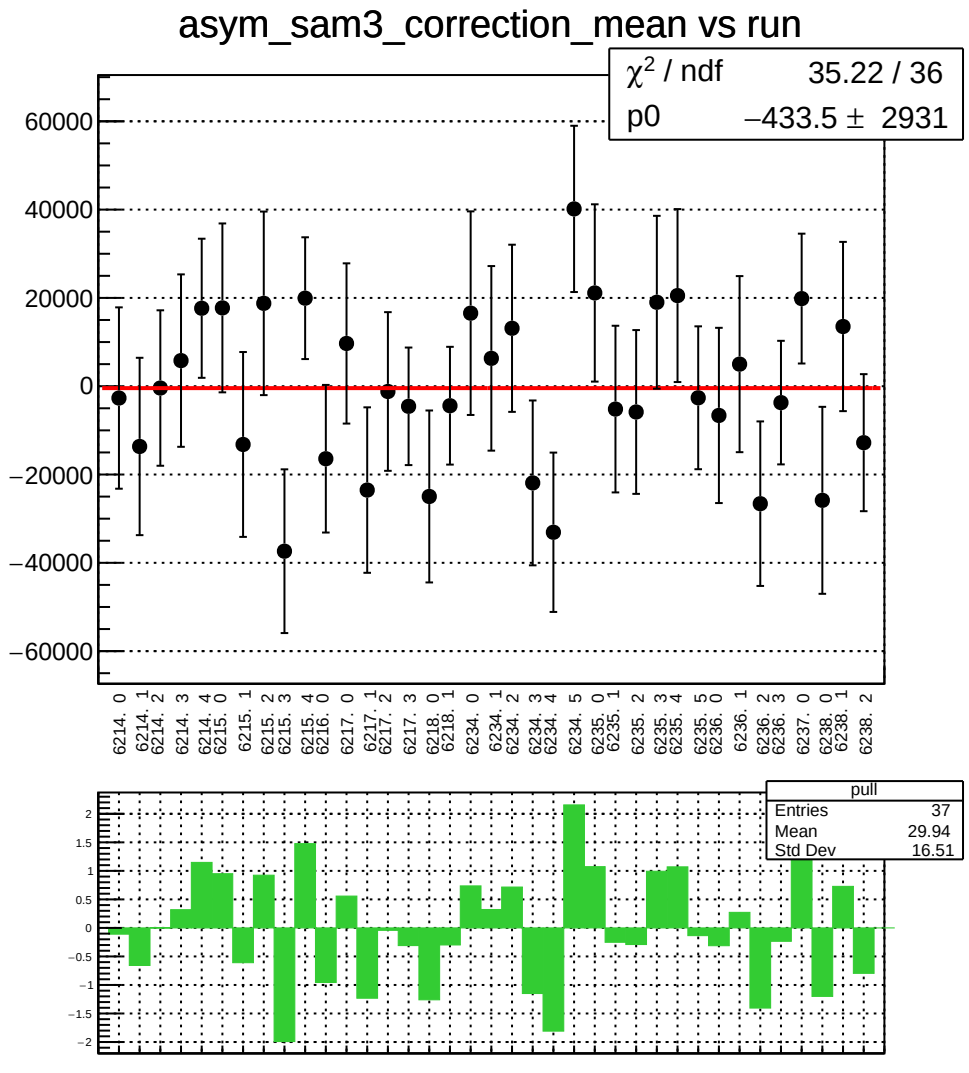

pull1D
Entries 37
Mean 0.01339
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

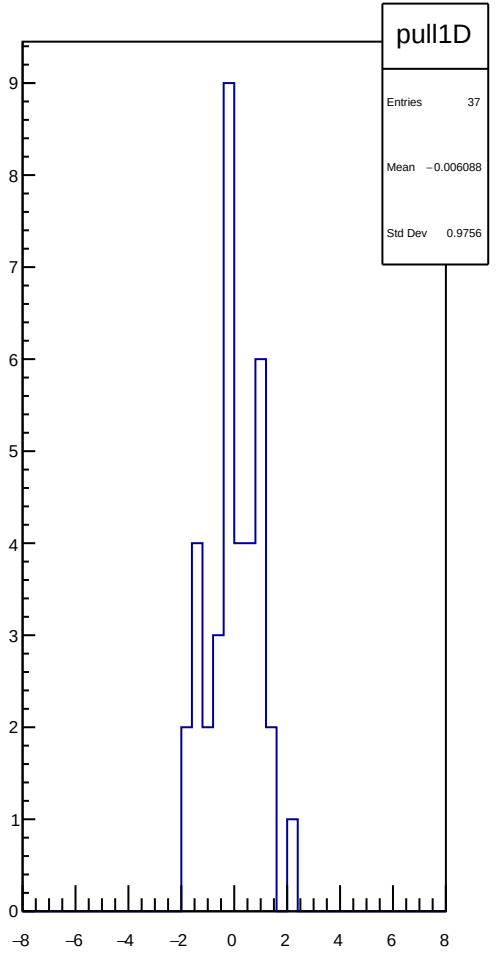

asym_sam2_rms vs run
χ² / ndf 2164 / 36
p0 3877 ± 4.435
4400
4200
4000
3800
3600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

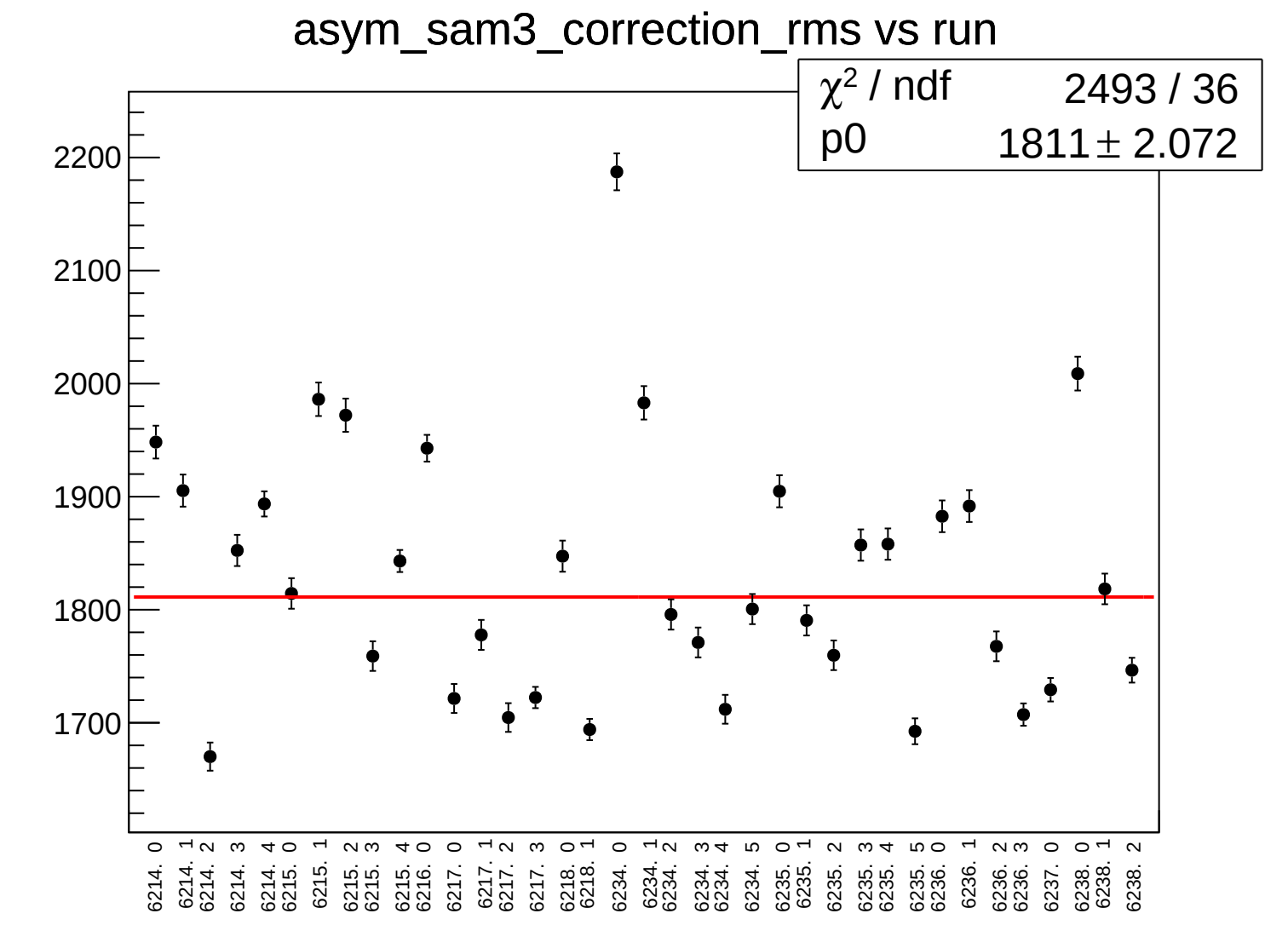

dit_asym_sam3_mean vs run
χ² / ndf 30.91 / 36
p0 352.2 ± 247.4
6000
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 13.58
Std Dev 8.152
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

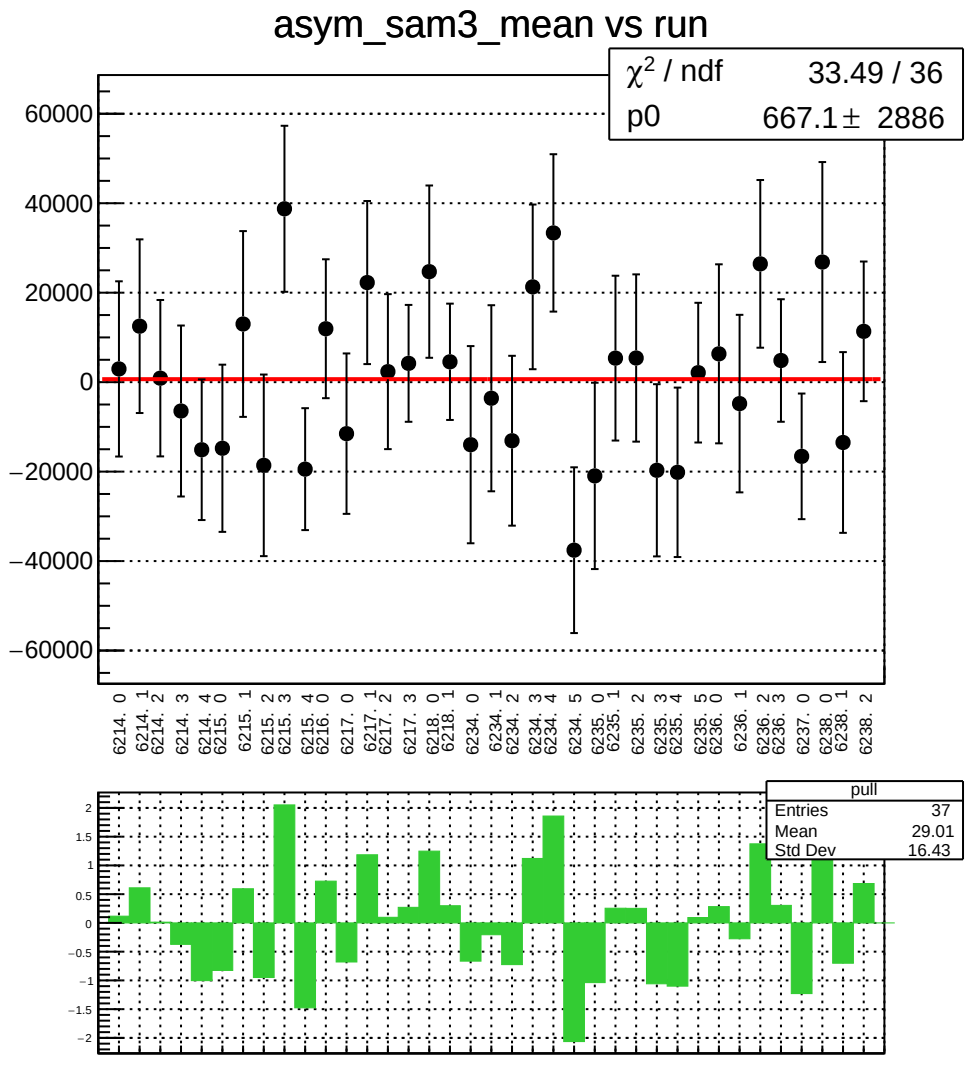

pull1D
Entries 37
Mean −0.03086
Std Dev 0.9134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

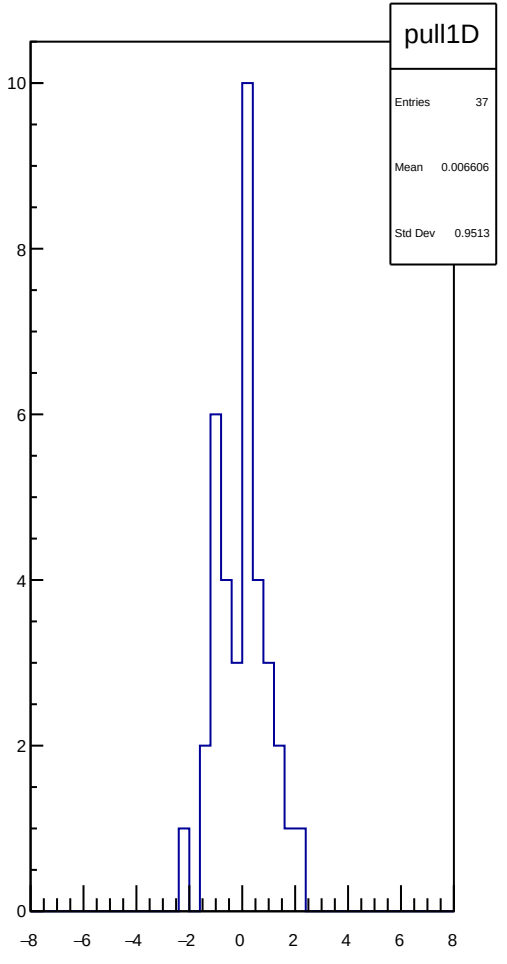

dit_asym_sam3_rms vs run
χ² / ndf 2.266e+04 / 36
p0 150.9 ± 0.1749
300
280
260
240
220
200
180
160
140
120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

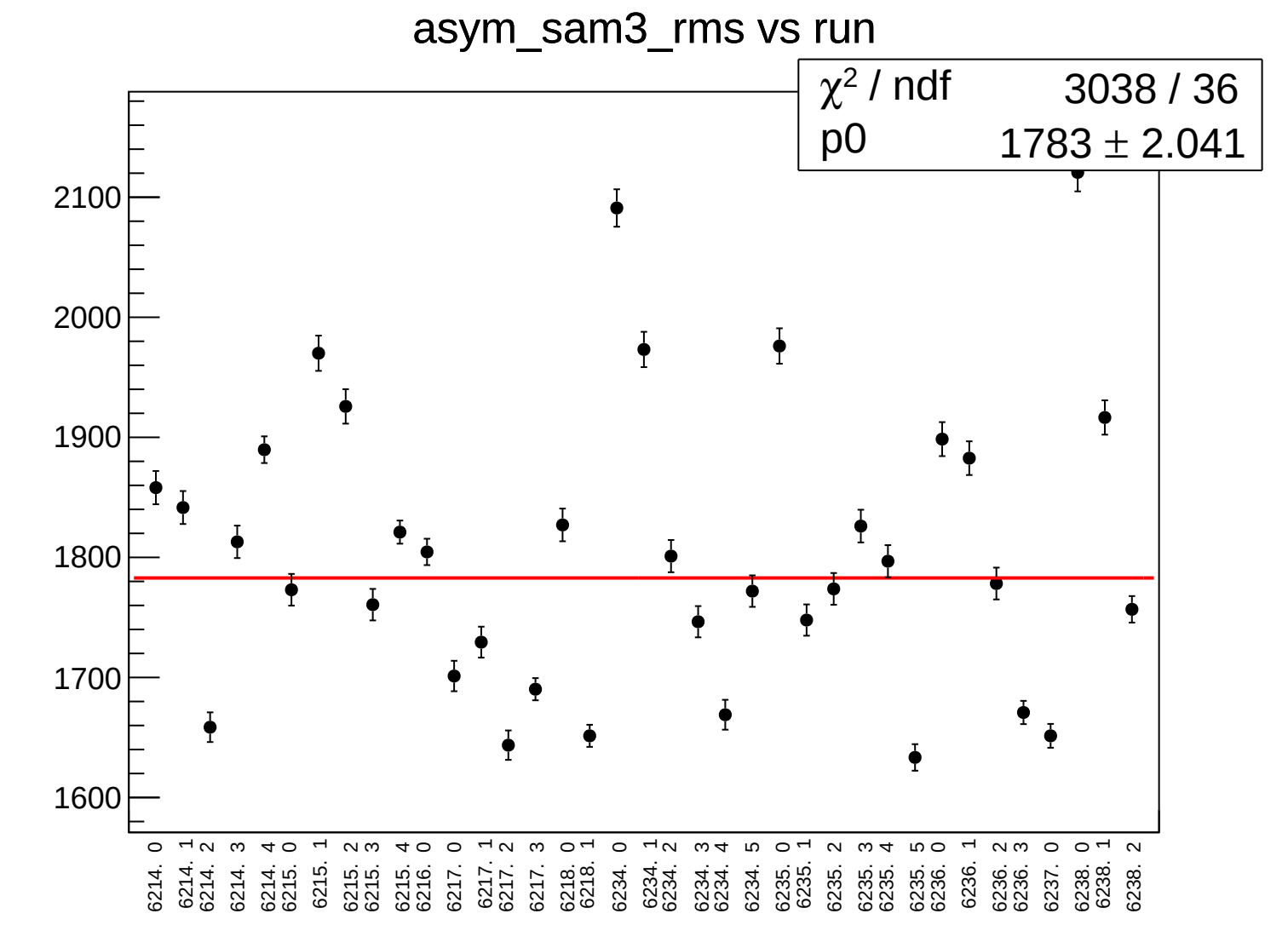

asym_sam3_correction_mean vs run
χ² / ndf 35.22 / 36
p0 −433.5 ± 2931
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 29.94
Std Dev 16.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

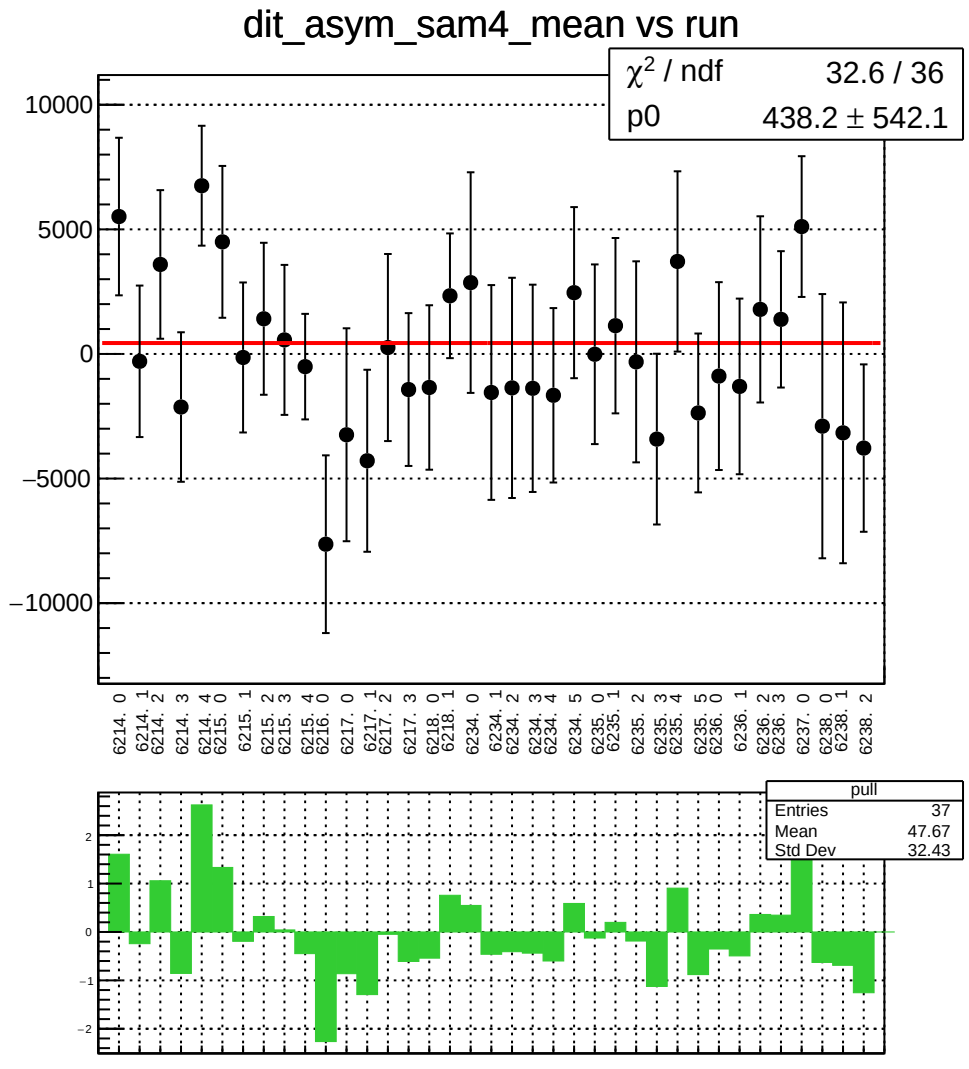

pull1D
Entries 37
Mean −0.006088
Std Dev 0.9756
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

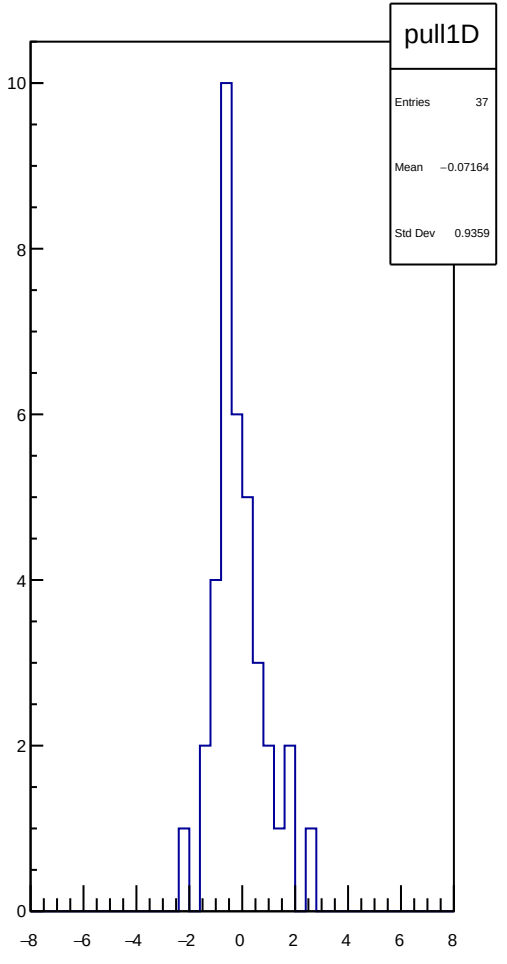

asym_sam3_correction_rms vs run
χ² / ndf 2493 / 36
p0 1811 ± 2.072
2200
2100
2000
1900
1800
1700
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

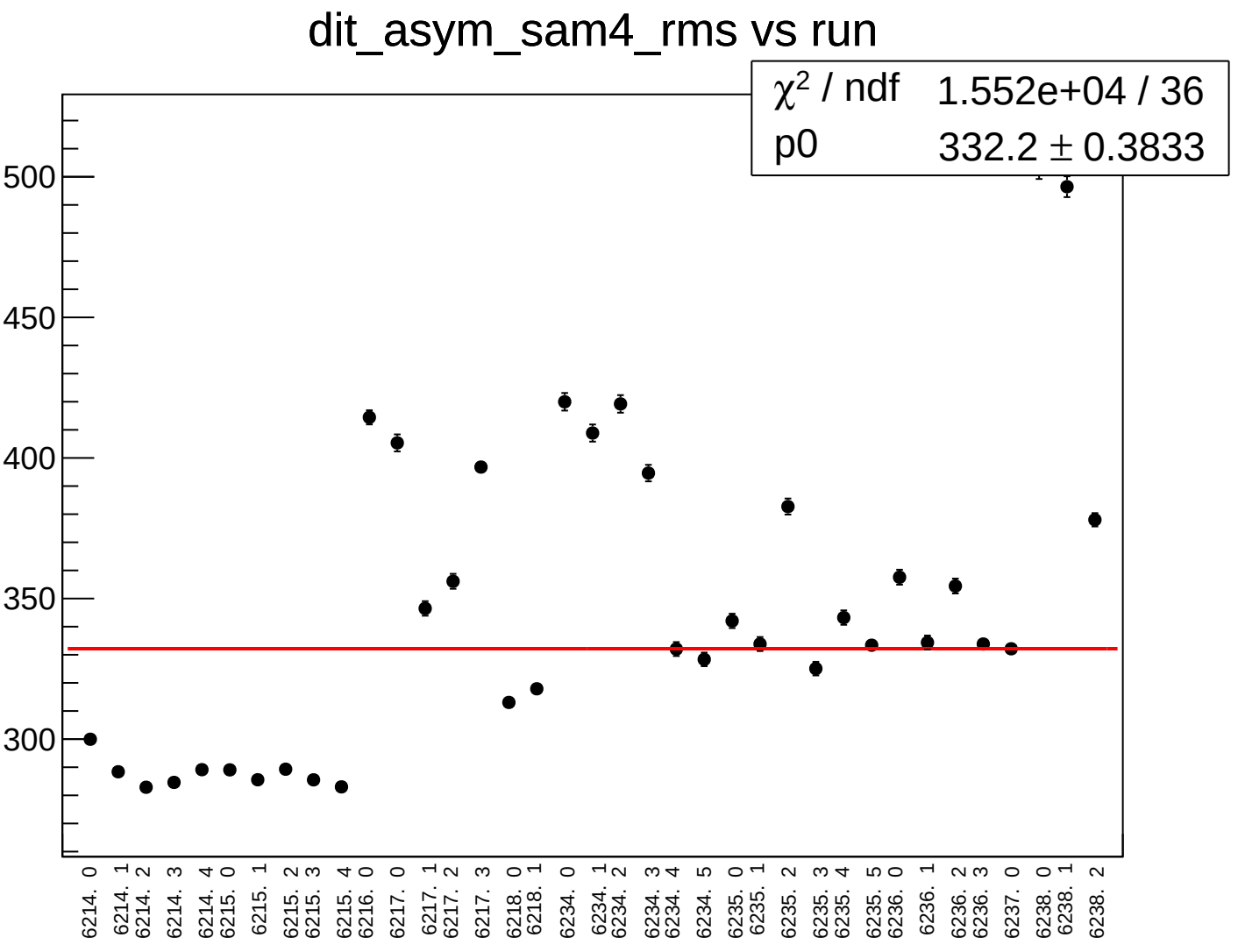

asym_sam3_mean vs run
χ² / ndf 33.49 / 36
p0 667.1 ± 2886
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 29.01
Std Dev 16.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

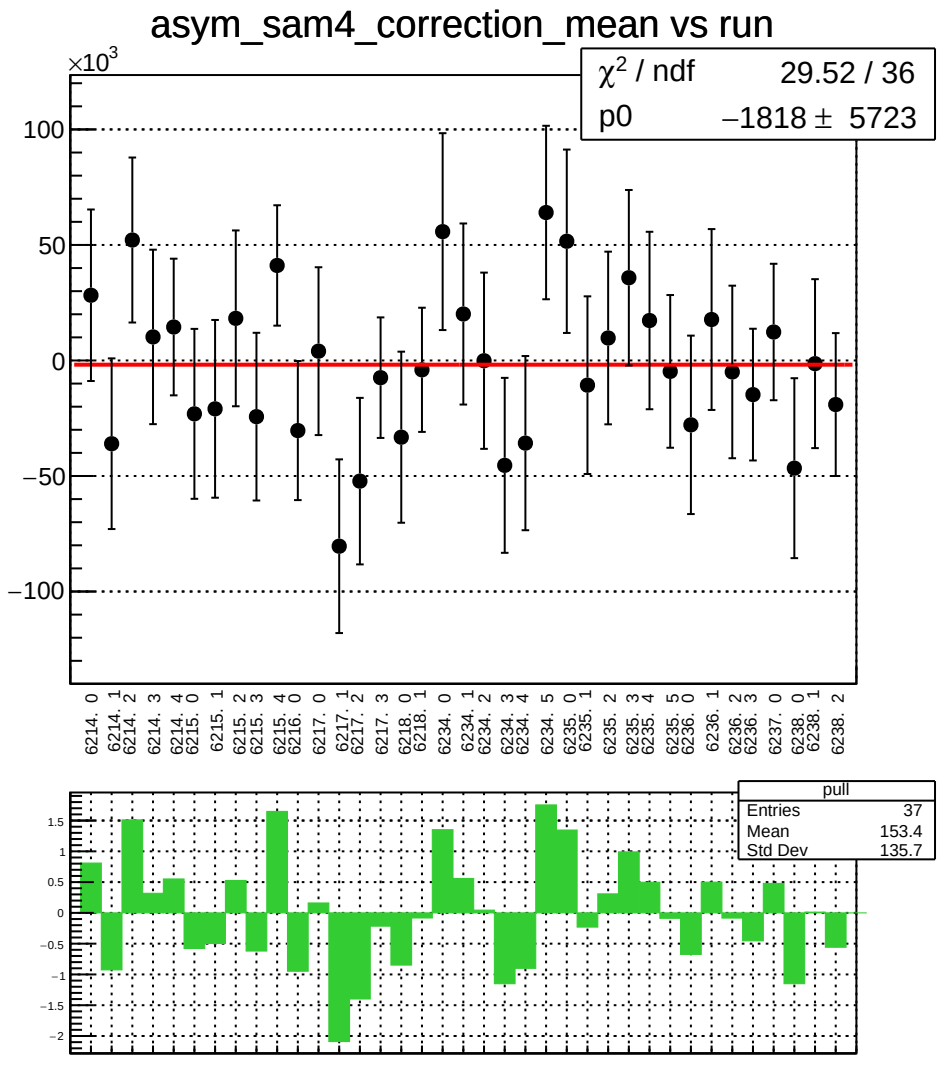

pull1D
Entries 37
Mean 0.006606
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

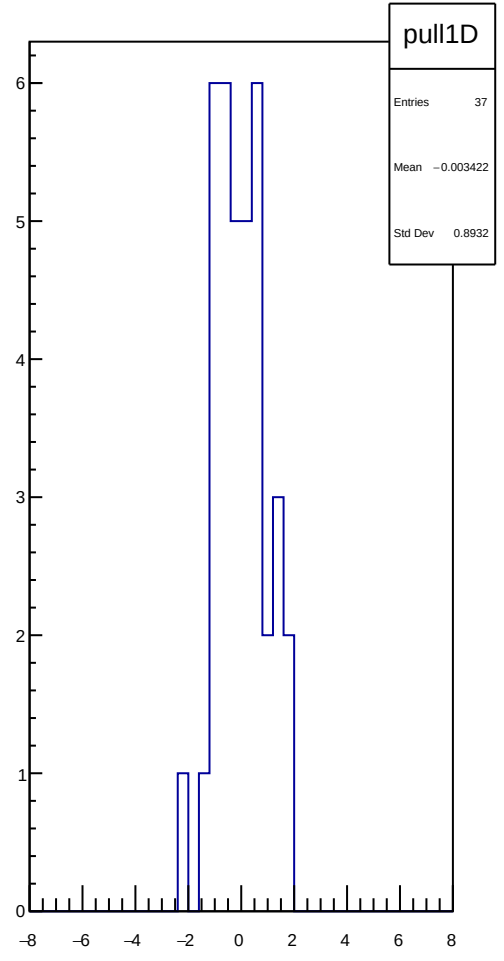

asym_sam3_rms vs run
χ² / ndf 3038 / 36
p0 1783 ± 2.041
2100
2000
1900
1800
1700
1600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

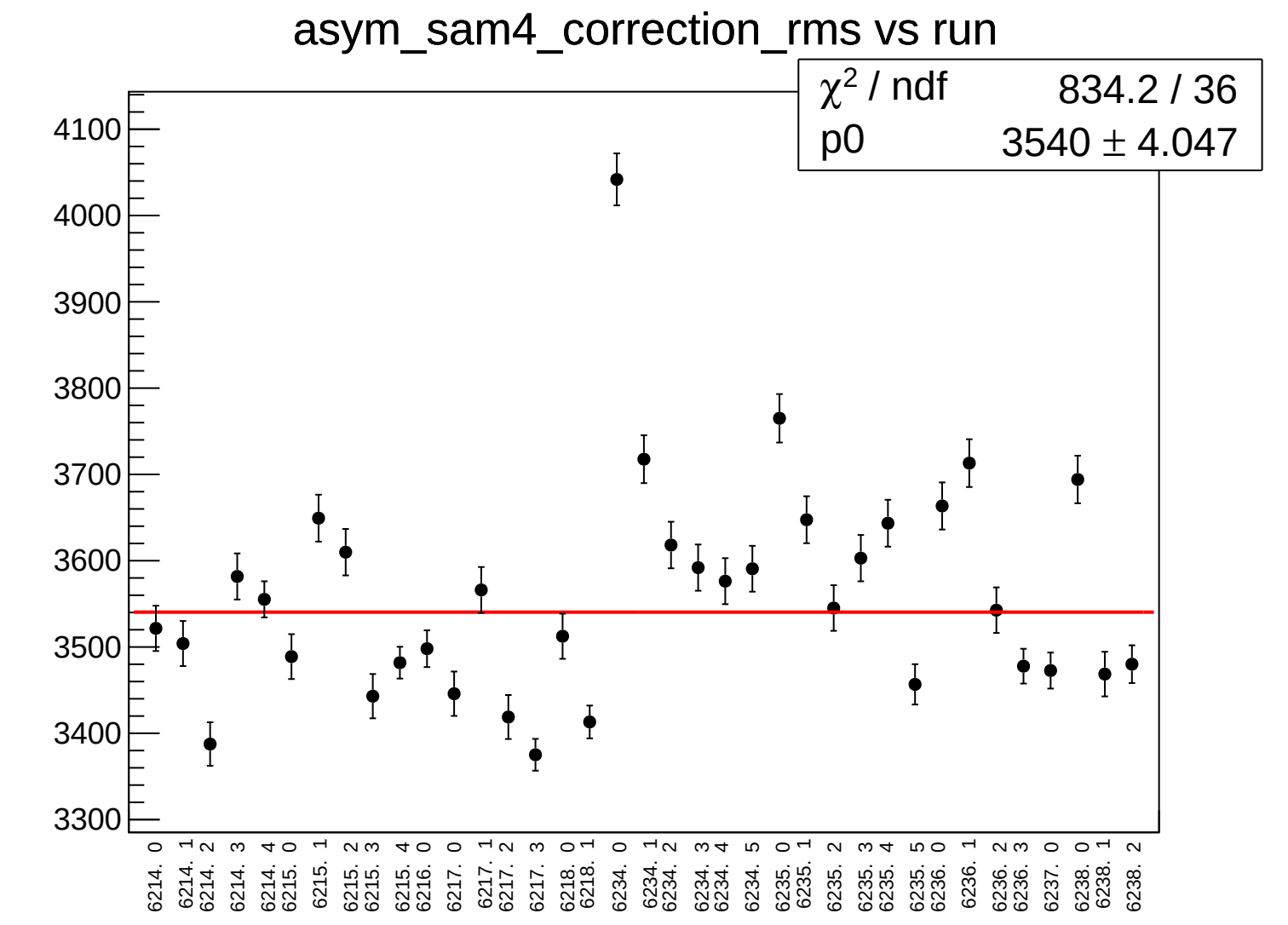

dit_asym_sam4_mean vs run
χ² / ndf 32.6 / 36
p0 438.2 ± 542.1
10000
5000
0
−5000
−10000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 47.67
Std Dev 32.43
2
1
0
−1
−2

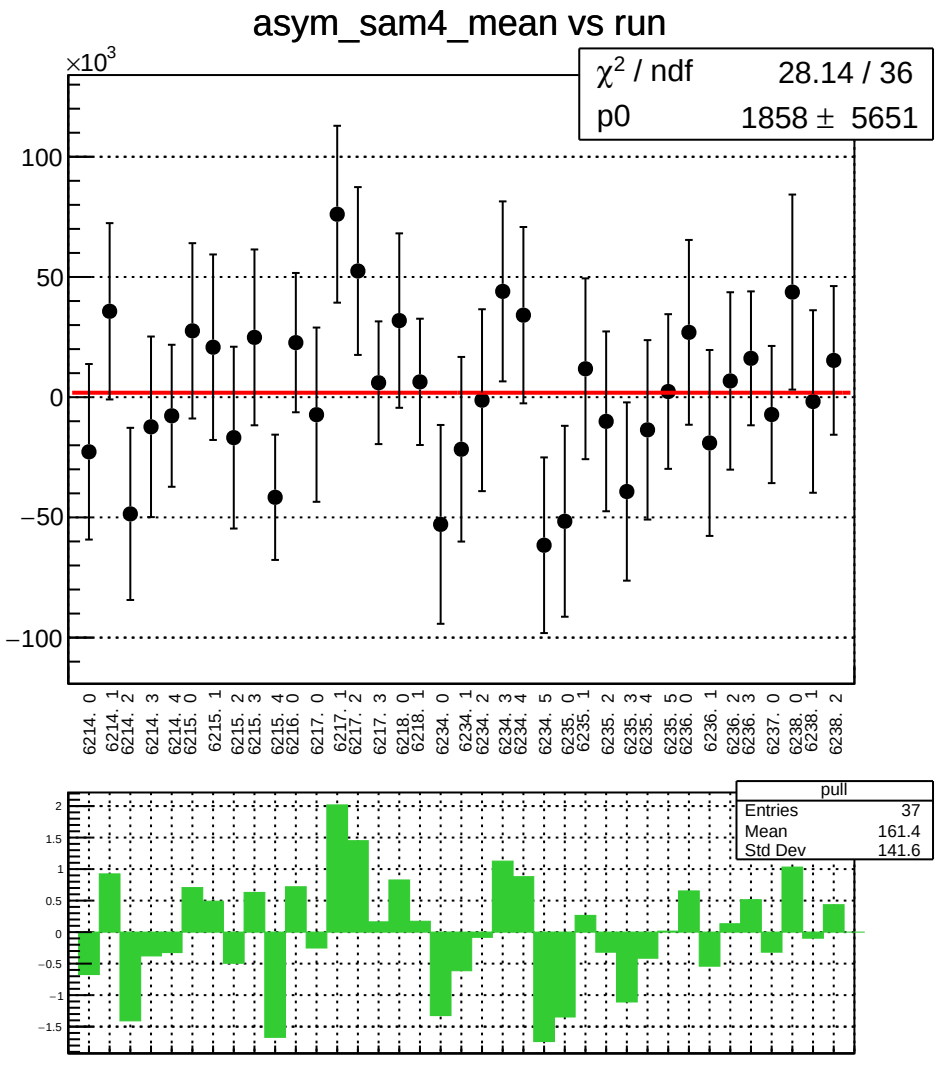

pull1D
Entries 37
Mean −0.07164
Std Dev 0.9359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

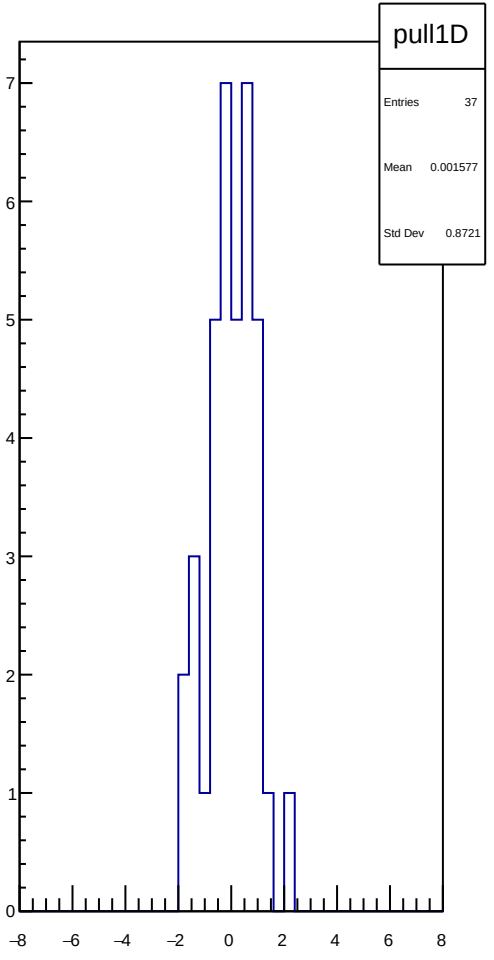

dit_asym_sam4_rms vs run
χ² / ndf 1.552e+04 / 36
p0 332.2 ± 0.3833
500
450
400
350
300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

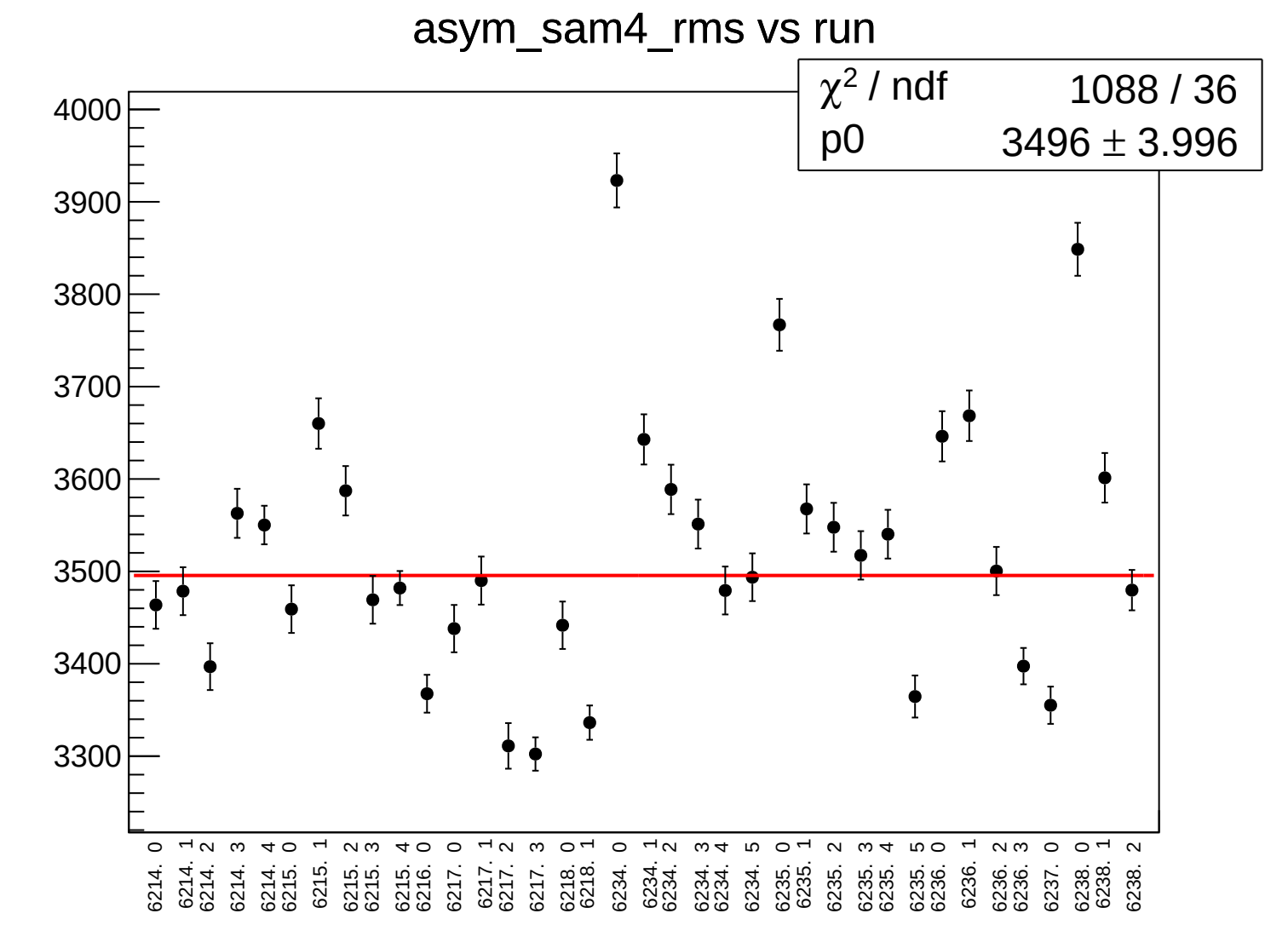

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 29.52 / 36
p0 −1818 ± 5723
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 153.4
Std Dev 135.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

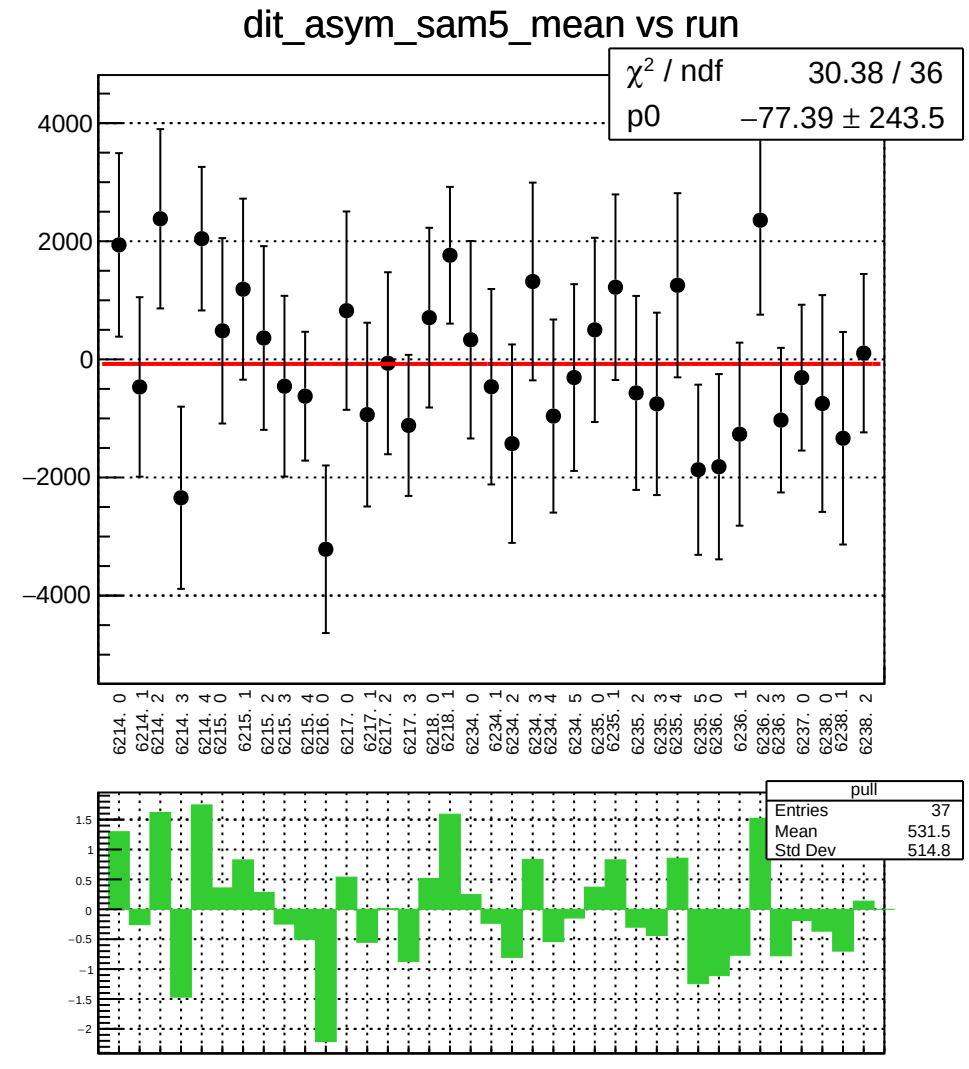

pull1D
Entries 37
Mean −0.003422
Std Dev 0.8932
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

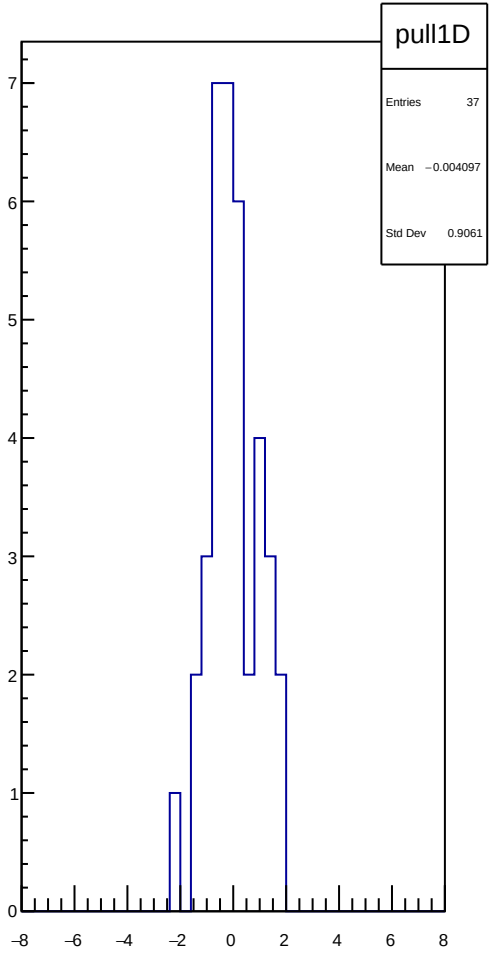

asym_sam4_correction_rms vs run
χ² / ndf 834.2 / 36
p0 3540 ± 4.047
4100
4000
3900
3800
3700
3600
3500
3400
3300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

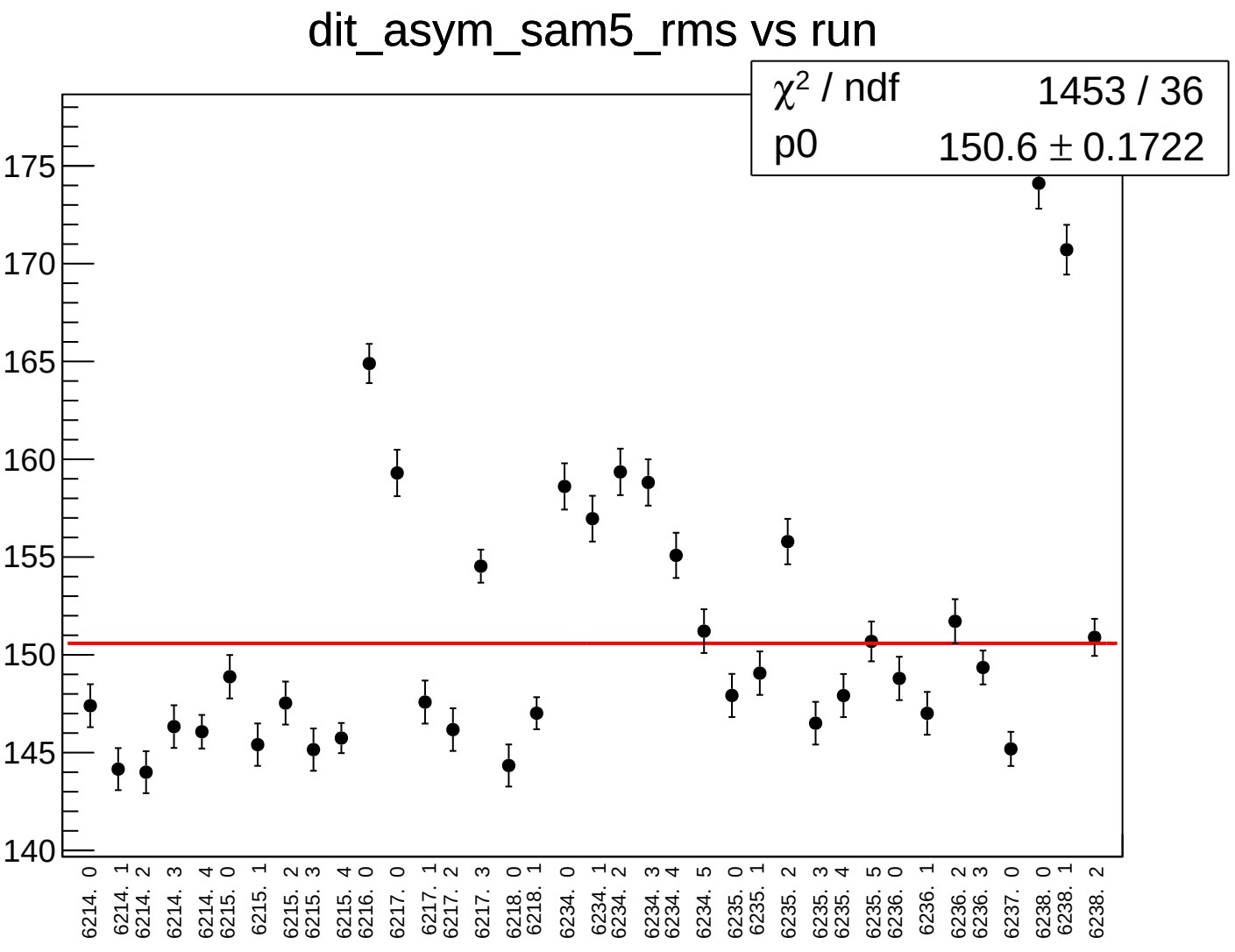

asym_sam4_mean vs run
×10^3
χ^2 / ndf 28.14 / 36
p0 1858 ± 5651
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 161.4
Std Dev 141.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

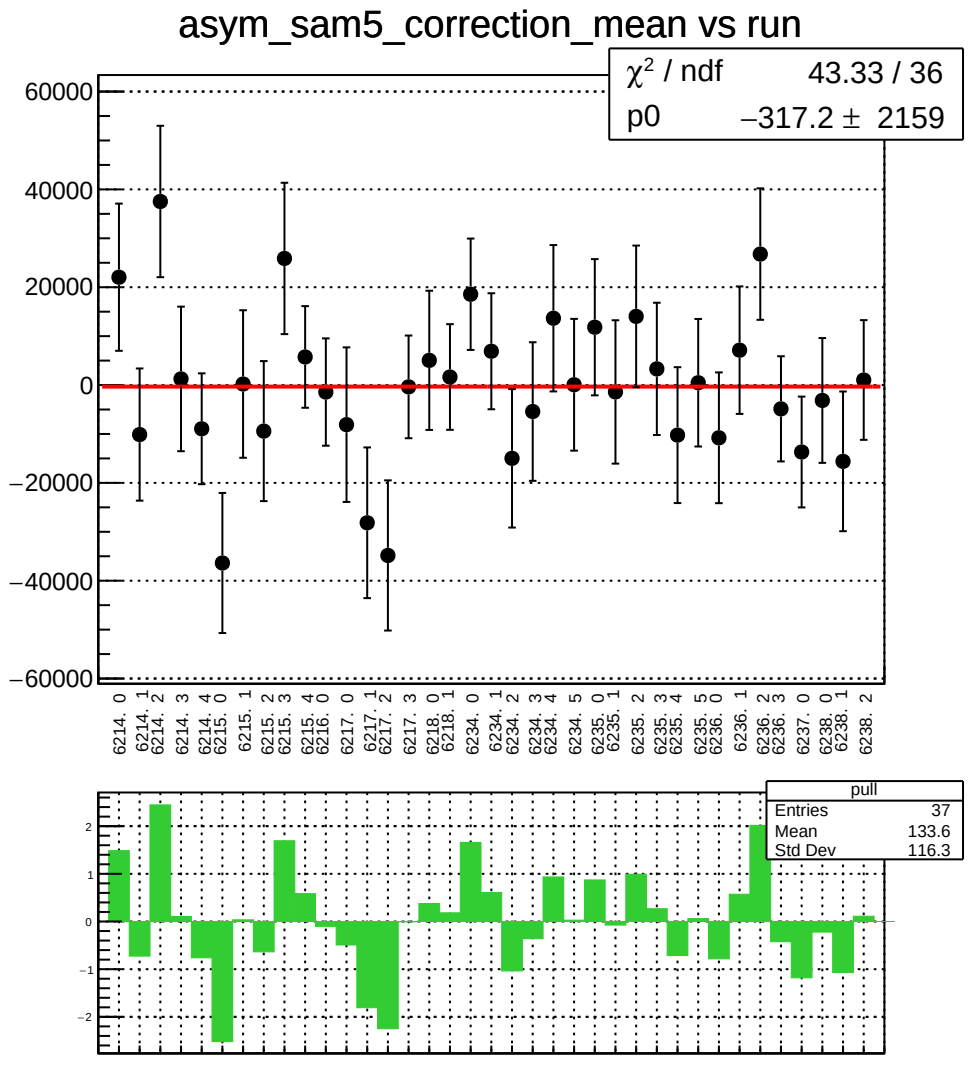

pull1D
Entries 37
Mean 0.001577
Std Dev 0.8721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

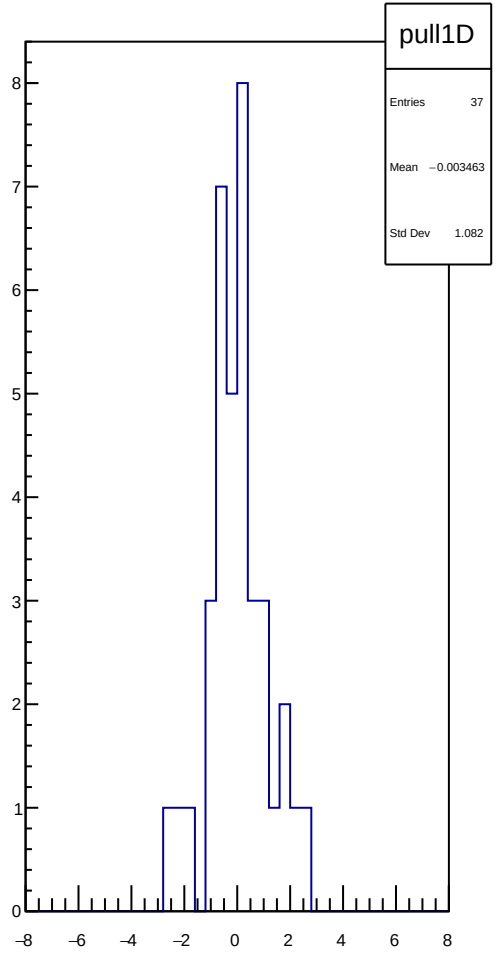

asym_sam4_rms vs run
χ² / ndf 1088 / 36
p0 3496 ± 3.996
4000
3900
3800
3700
3600
3500
3400
3300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

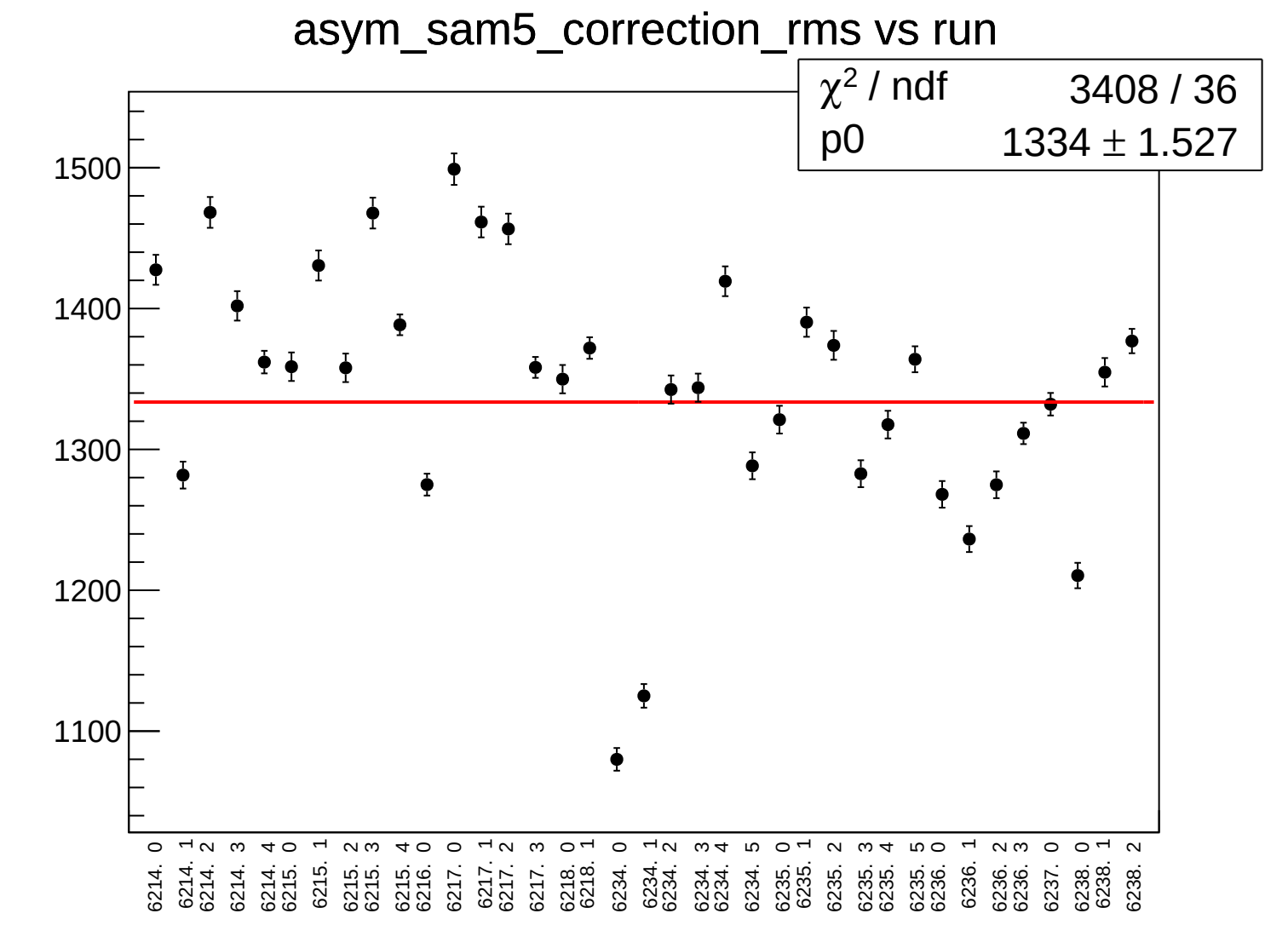

dit_asym_sam5_mean vs run
χ² / ndf 30.38 / 36
p0 −77.39 ± 243.5
4000
2000
0
−2000
−4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 531.5
Std Dev 514.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

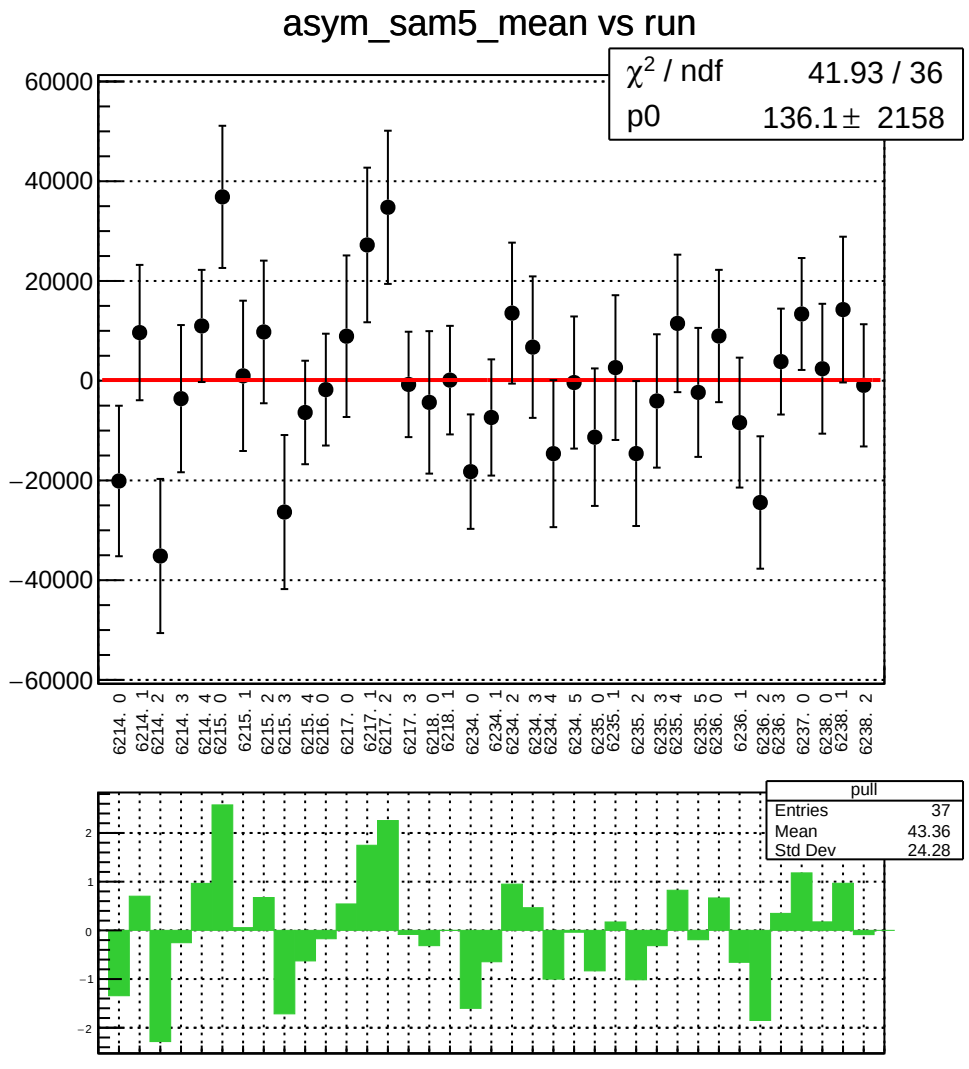

pull1D
Entries 37
Mean −0.004097
Std Dev 0.9061
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

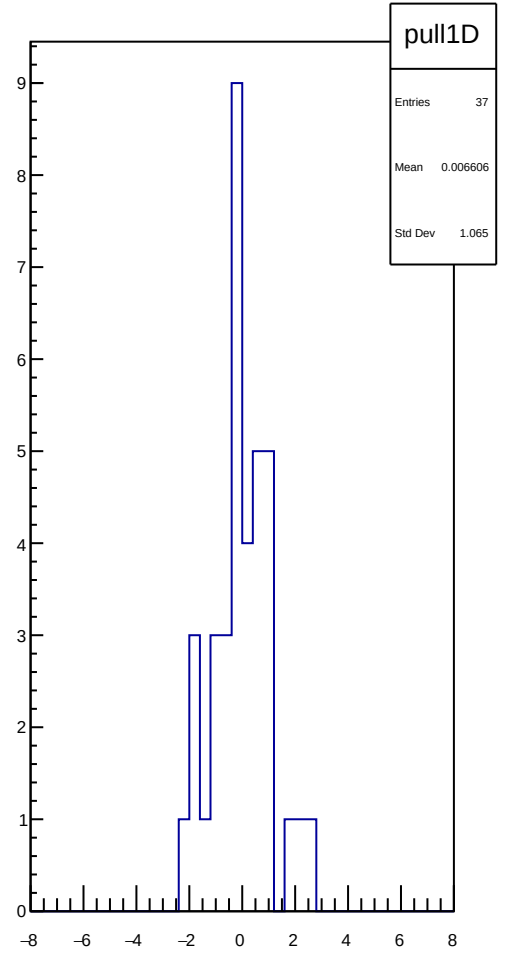

dit_asym_sam5_rms vs run
χ² / ndf 1453 / 36
p0 150.6 ± 0.1722
175
170
165
160
155
150
145
140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

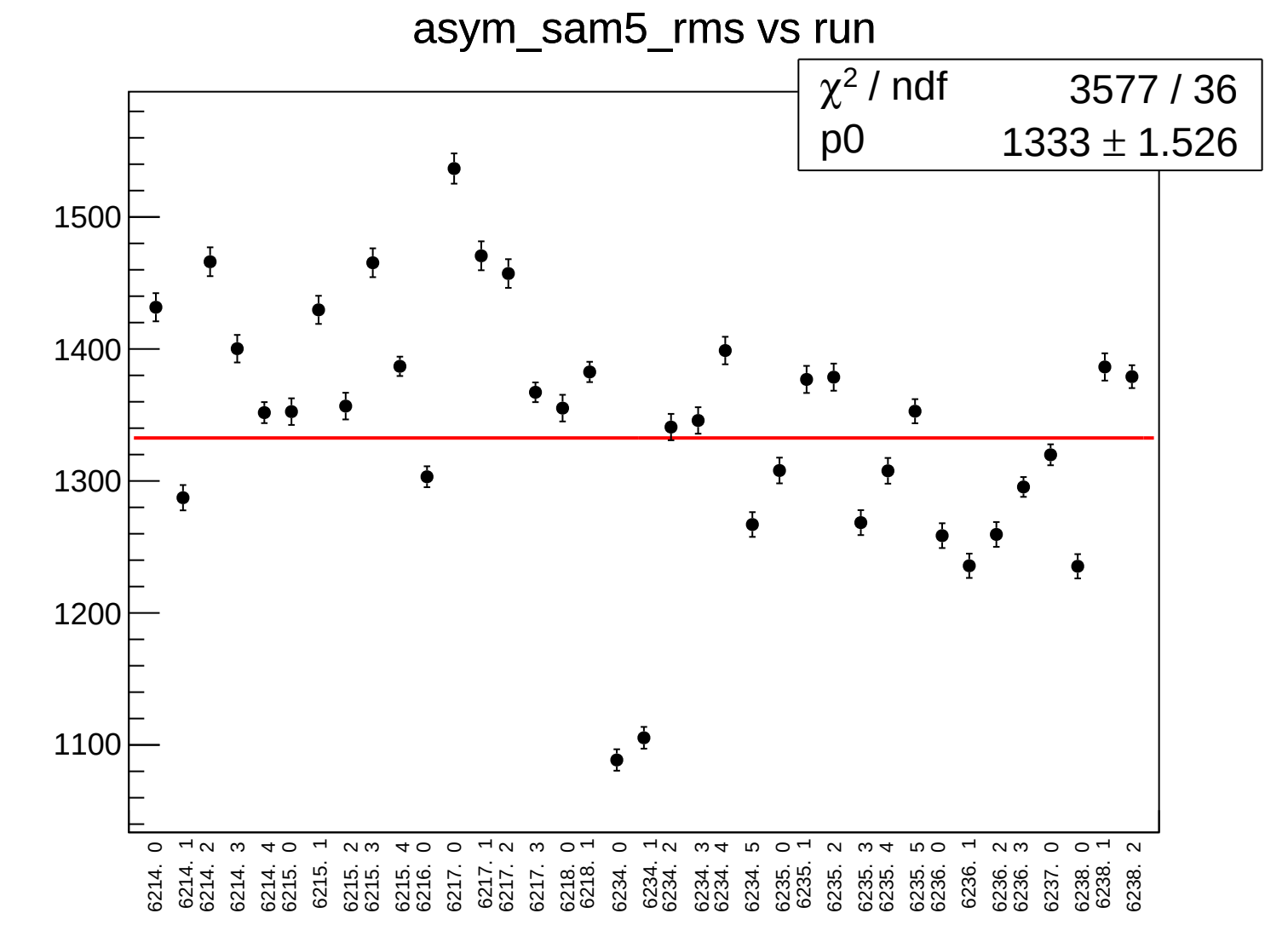

asym_sam5_correction_mean vs run
χ² / ndf 43.33 / 36
p0 −317.2 ± 2159
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 133.6
Std Dev 116.3
2
1
0
−1
−2

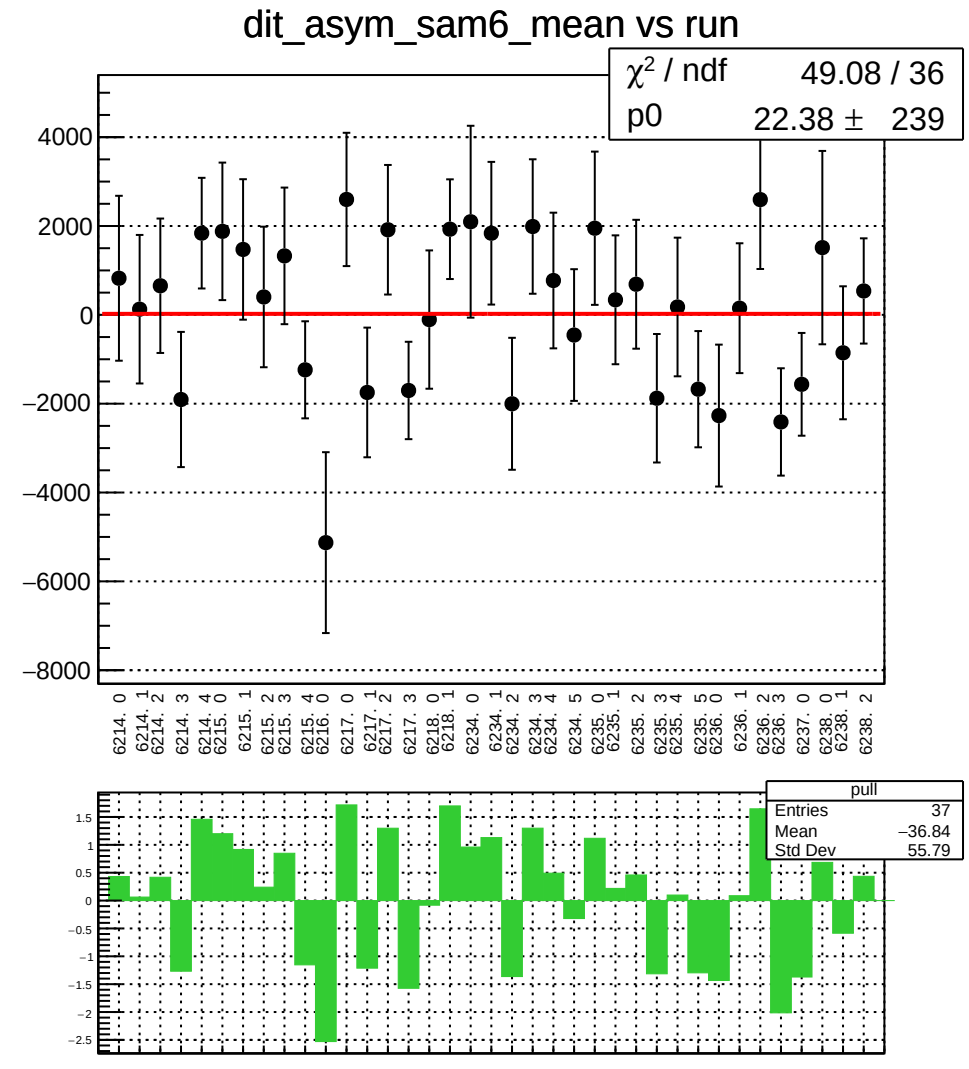

pull1D
Entries 37
Mean −0.003463
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

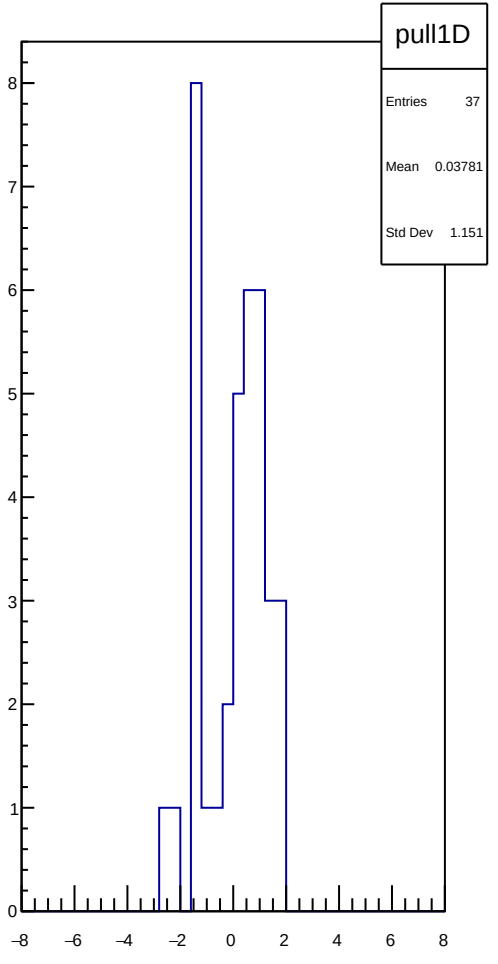

asym_sam5_correction_rms vs run
χ² / ndf 3408 / 36
p0 1334 ± 1.527
1500
1400
1300
1200
1100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

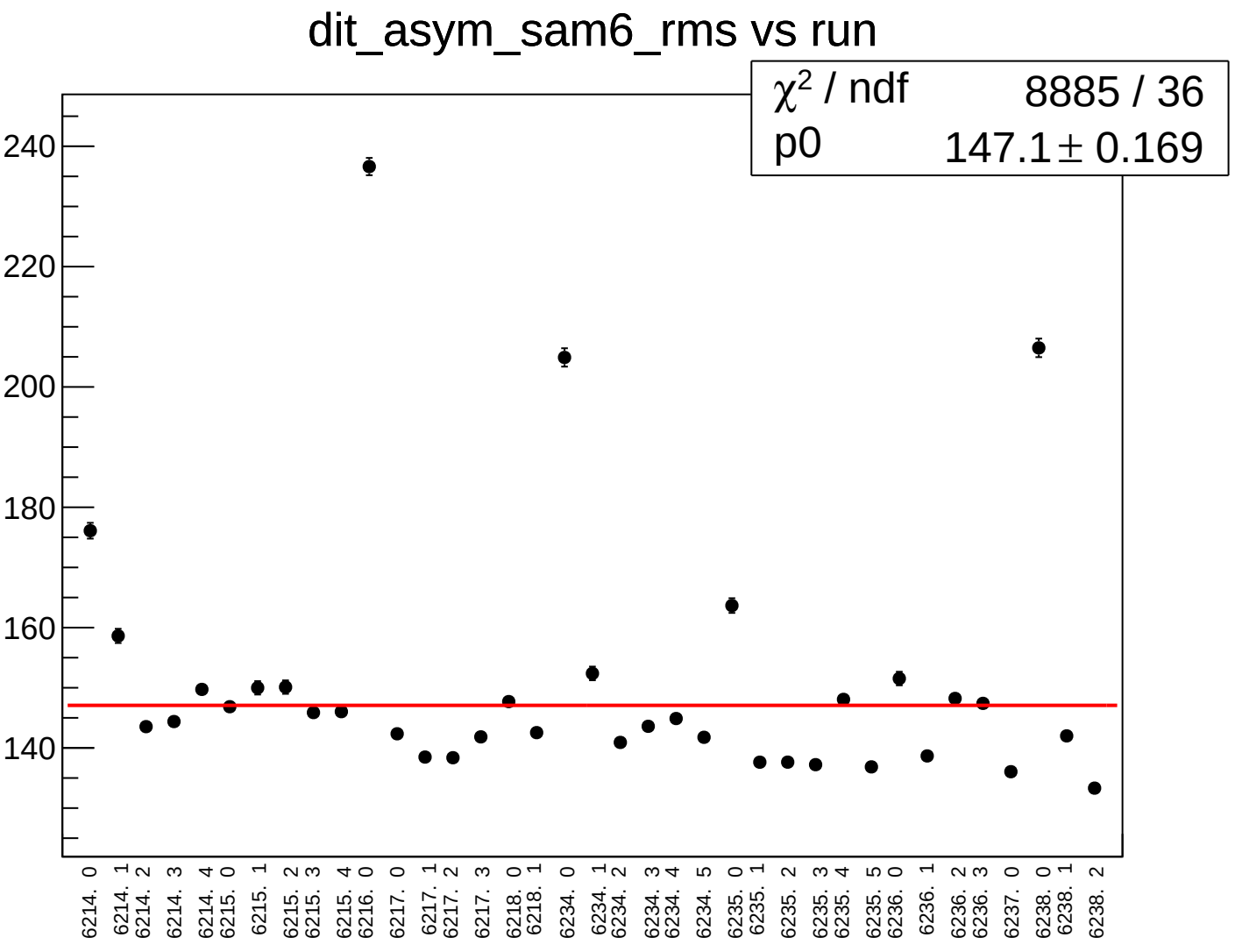

asym_sam5_mean vs run
χ² / ndf 41.93 / 36
p0 136.1 ± 2158
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 43.36
Std Dev 24.28
2
1
0
−1
−2

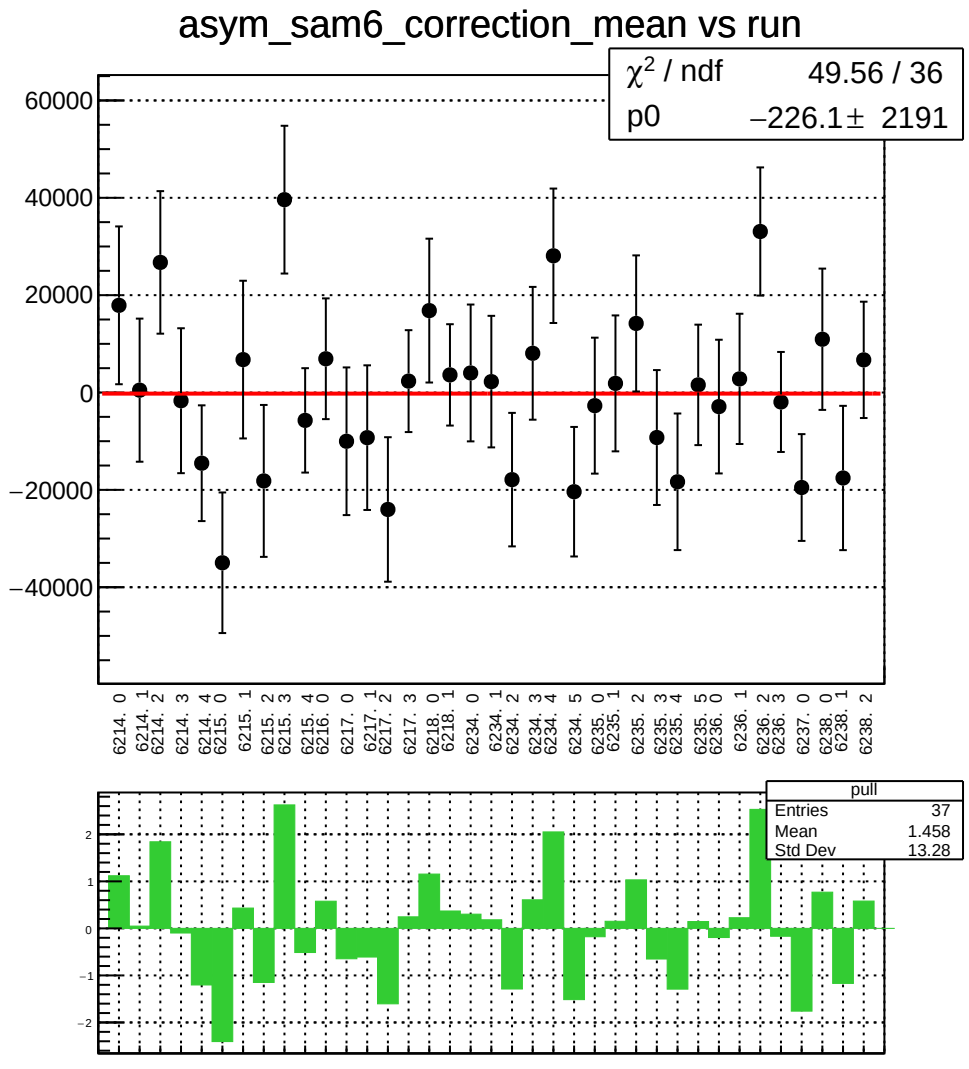

pull1D
Entries 37
Mean 0.006606
Std Dev 1.065
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

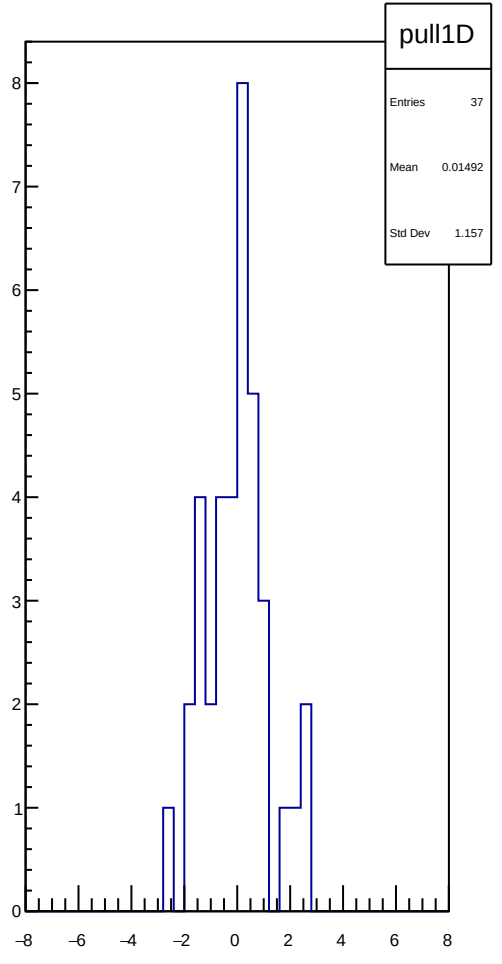

asym_sam5_rms vs run
χ² / ndf 3577 / 36
p0 1333 ± 1.526
1500
1400
1300
1200
1100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

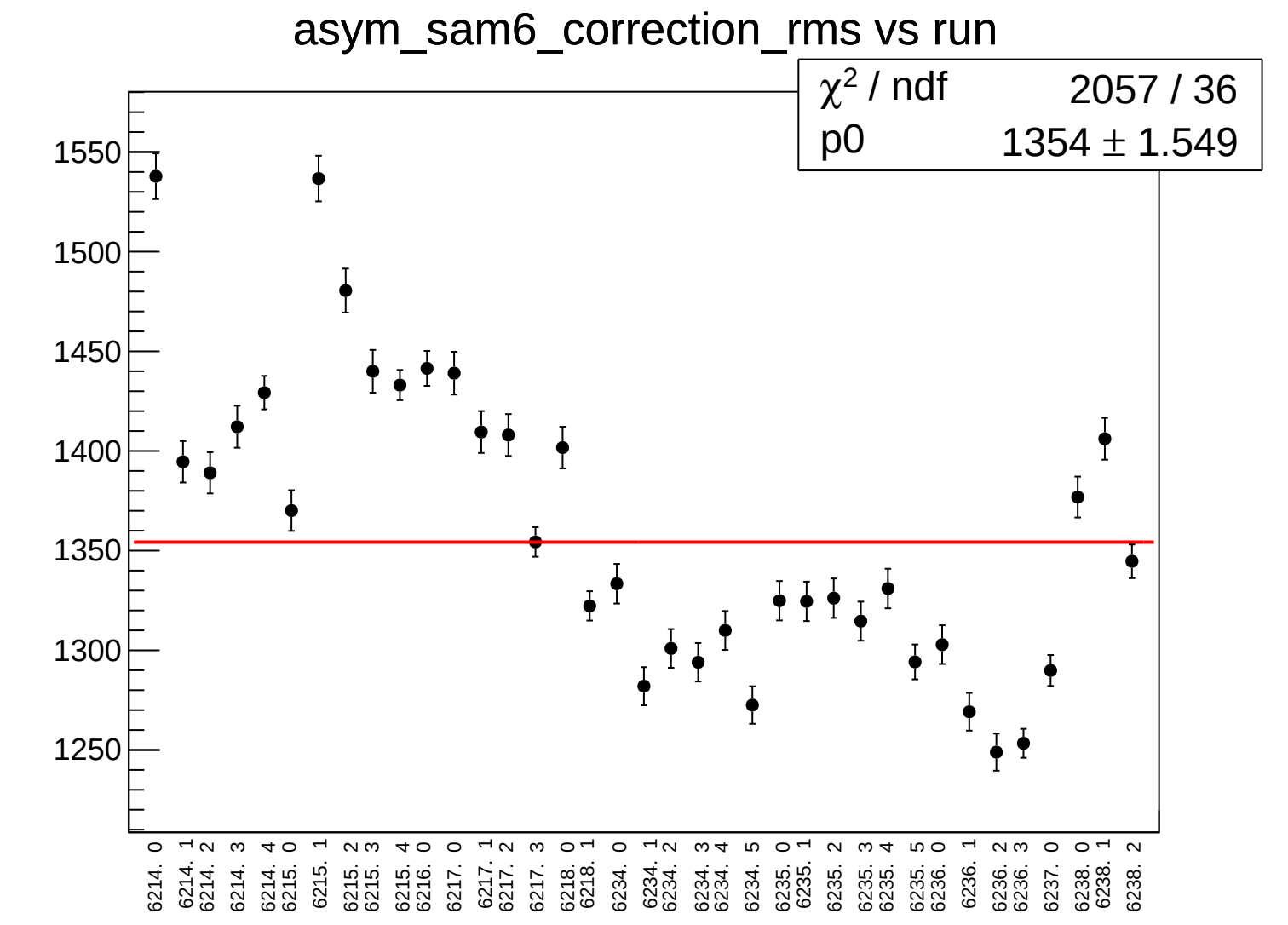

dit_asym_sam6_mean vs run
χ² / ndf 49.08 / 36
p0 22.38 ± 239
4000
2000
0
−2000
−4000
−6000
−8000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −36.84
Std Dev 55.79
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

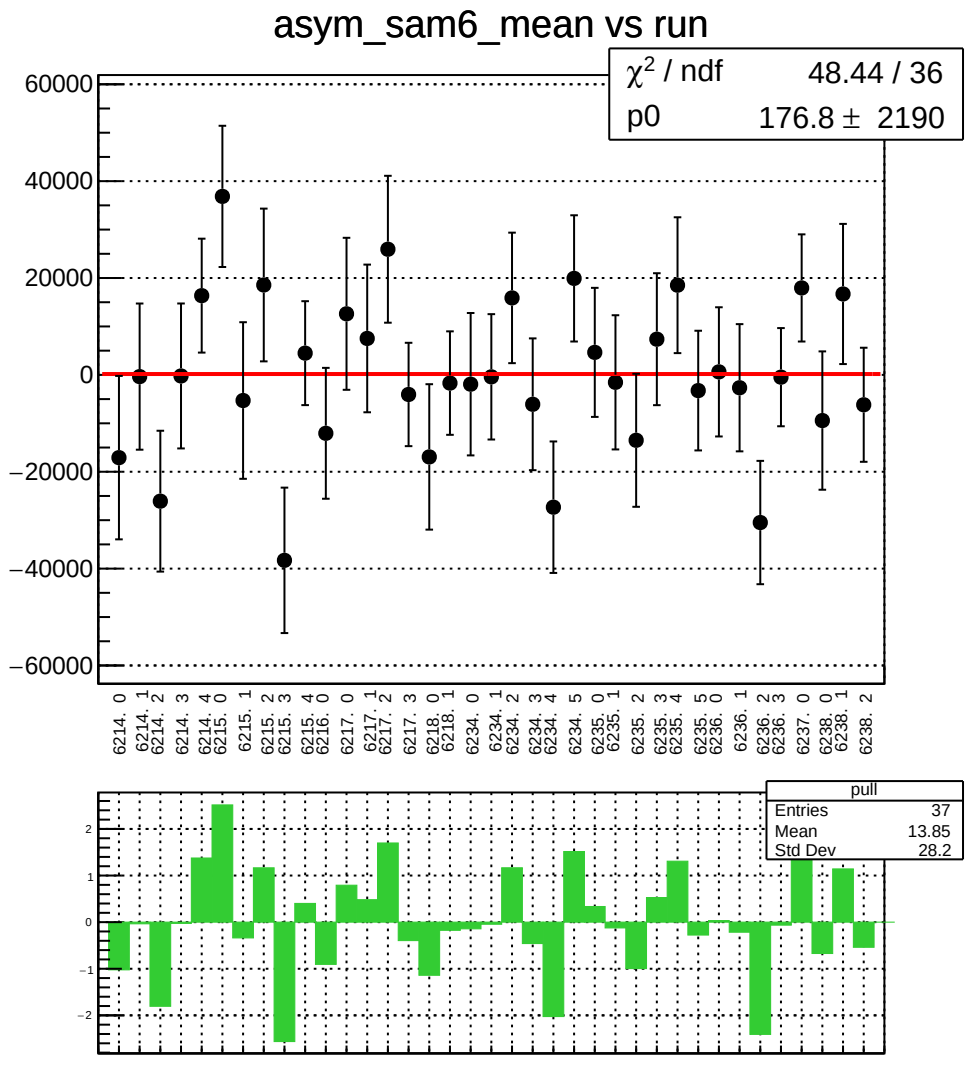

pull1D
Entries 37
Mean 0.03781
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

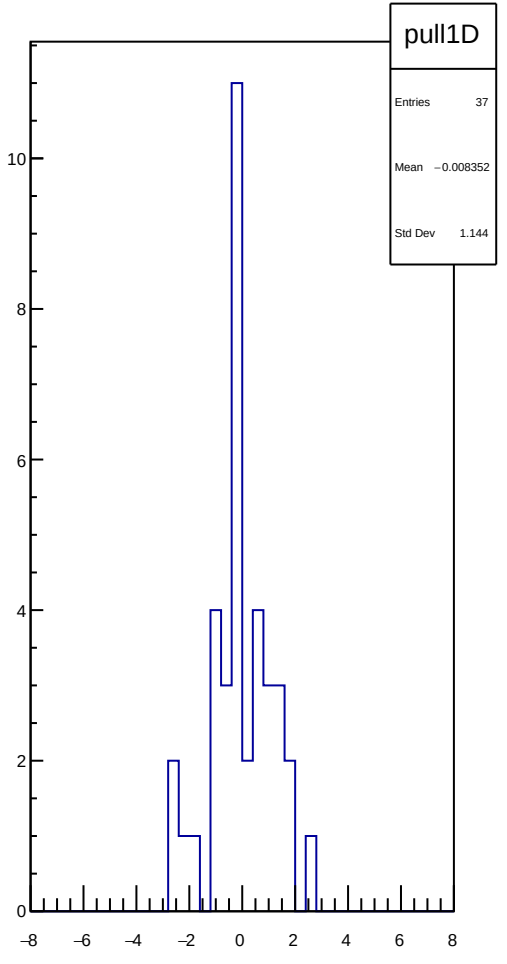

dit_asym_sam6_rms vs run
χ² / ndf 8885 / 36
p0 147.1 ± 0.169
240
220
200
180
160
140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

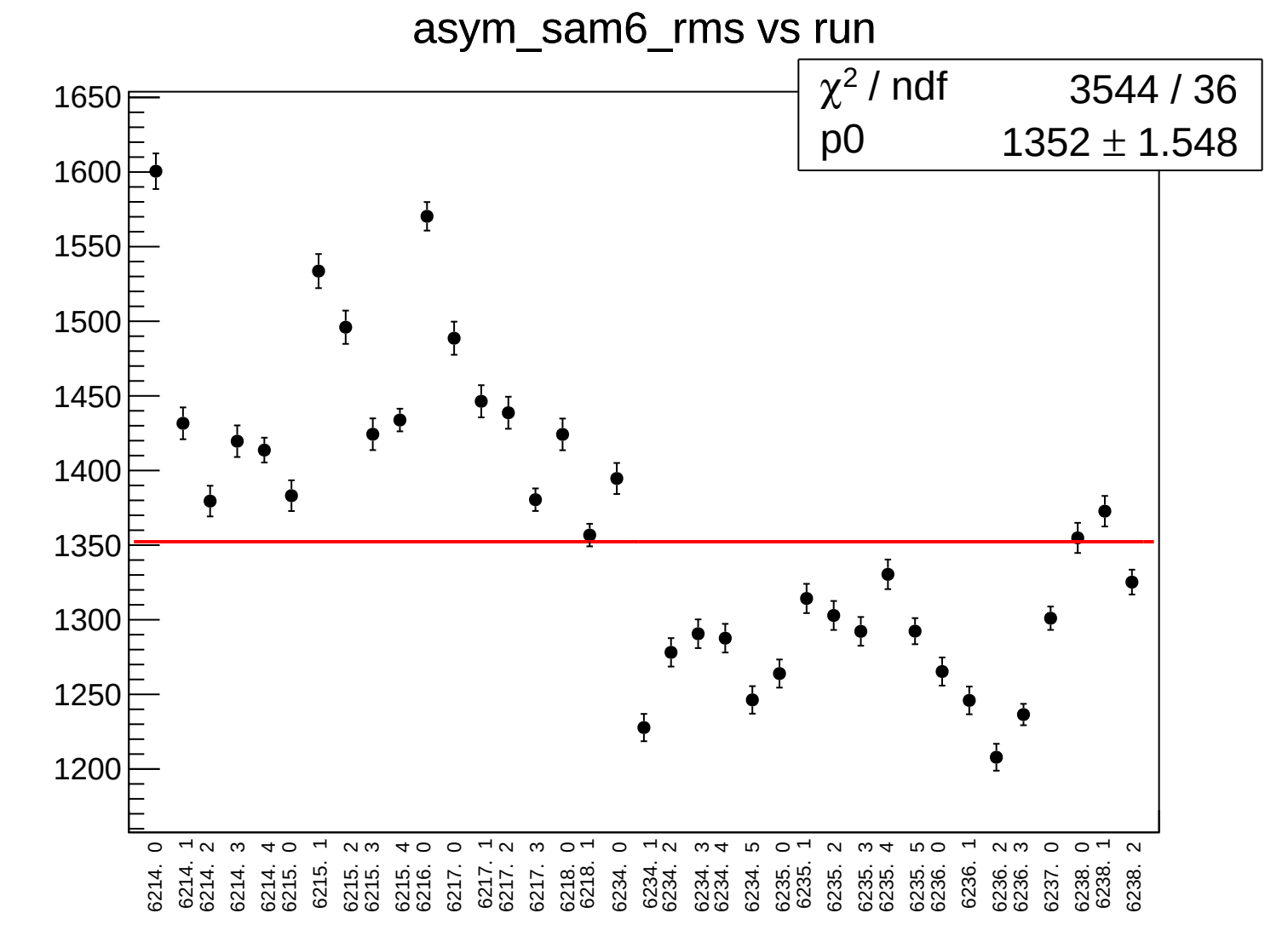

asym_sam6_correction_mean vs run
χ² / ndf 49.56 / 36
p0 −226.1± 2191
60000
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 1.458
Std Dev 13.28
2
1
0
−1
−2

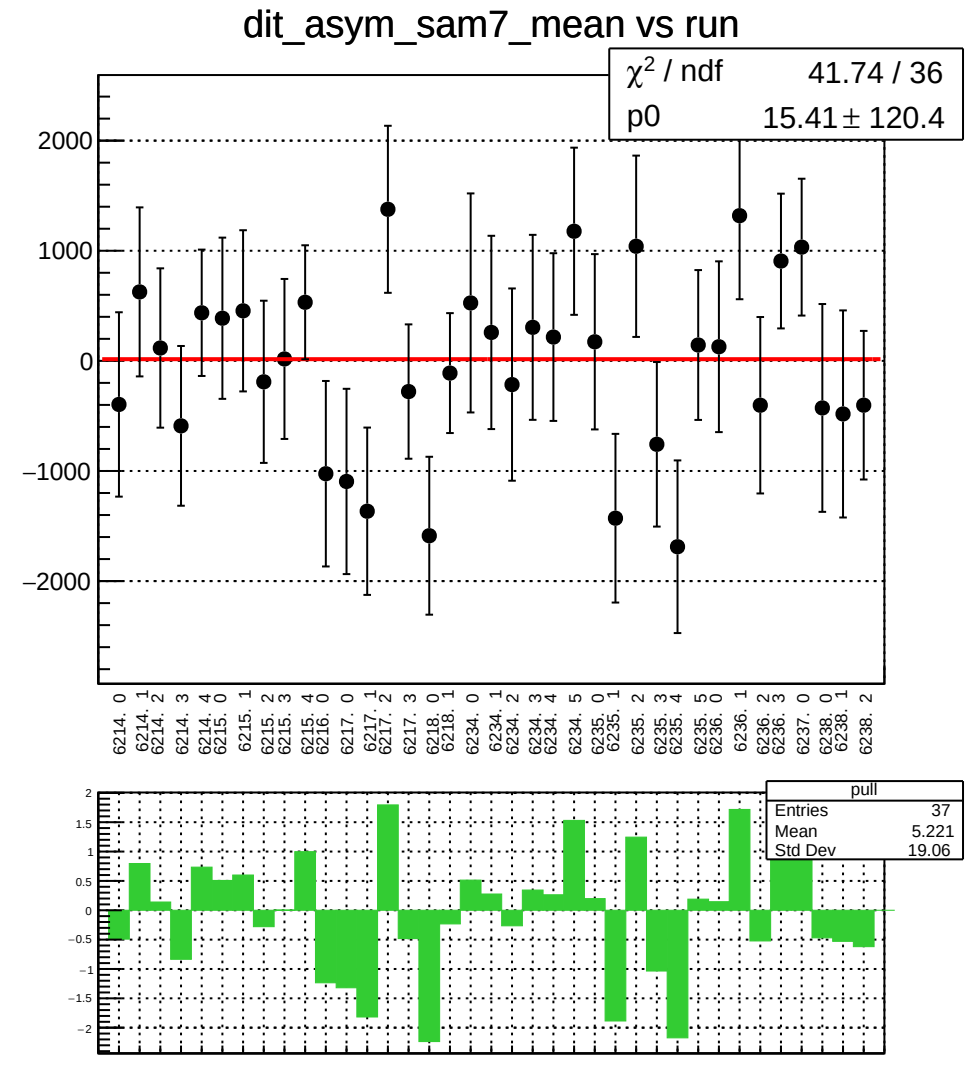

pull1D
Entries 37
Mean 0.01492
Std Dev 1.157
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

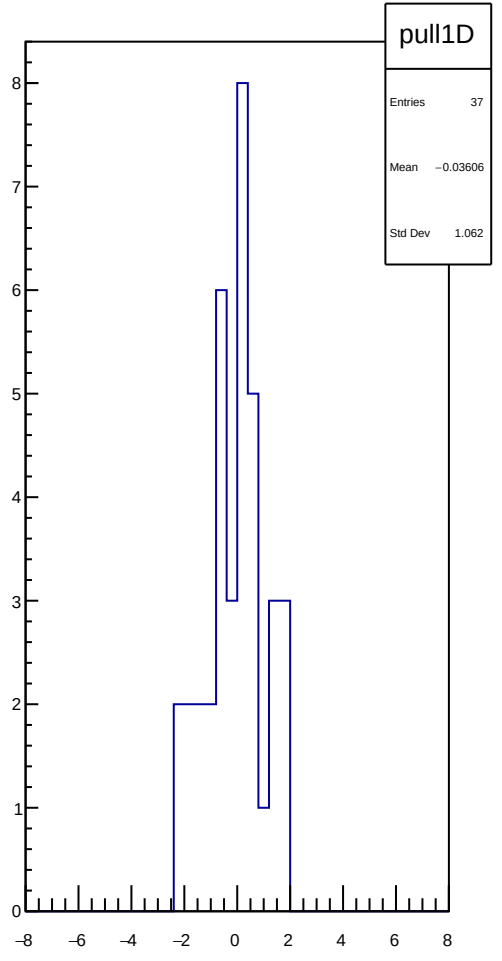

asym_sam6_correction_rms vs run
χ² / ndf 2057 / 36
p0 1354 ± 1.549
1550
1500
1450
1400
1350
1300
1250
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

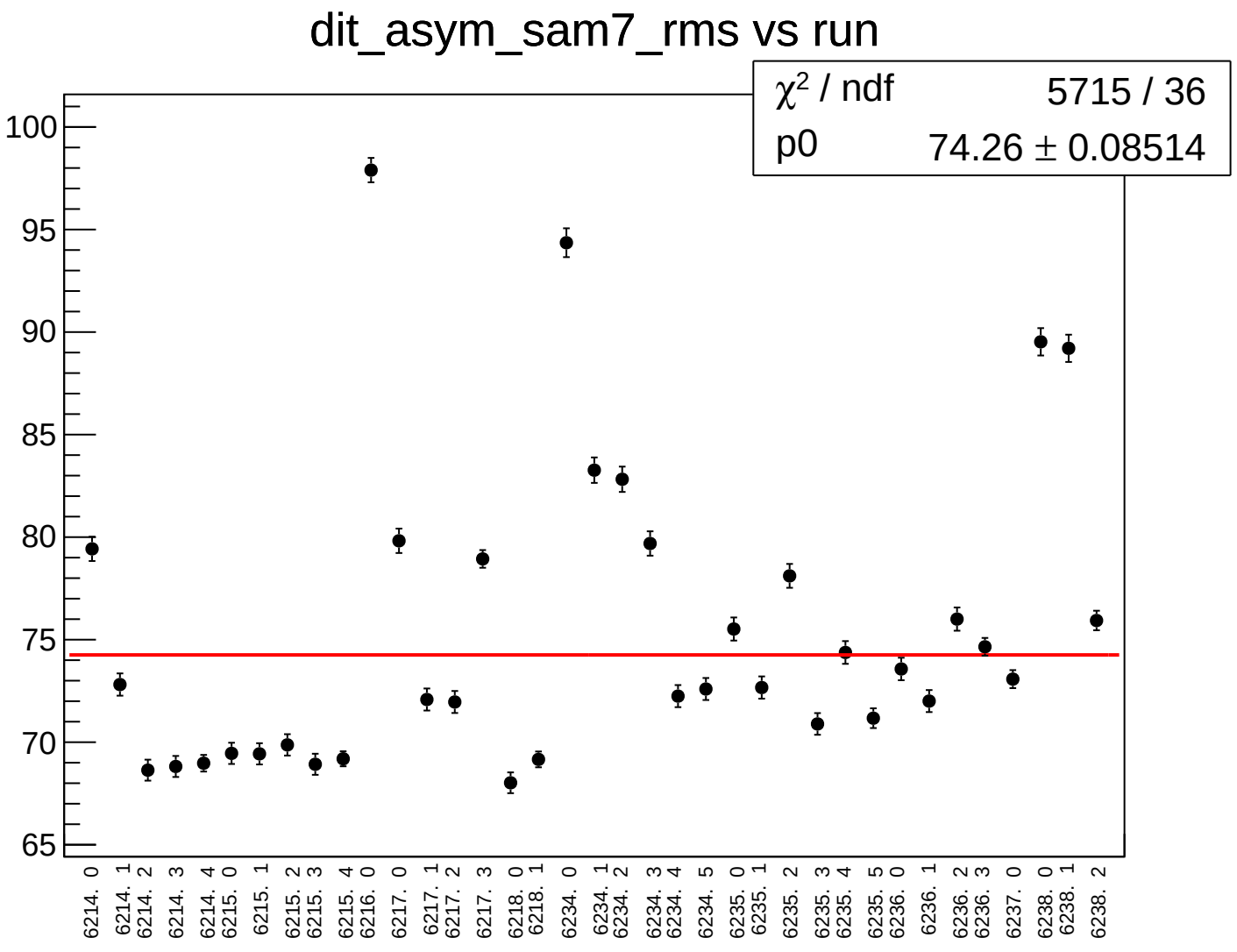

asym_sam6_mean vs run
χ² / ndf 48.44 / 36
p0 176.8 ± 2190
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 13.85
Std Dev 28.2
2
1
0
−1
−2

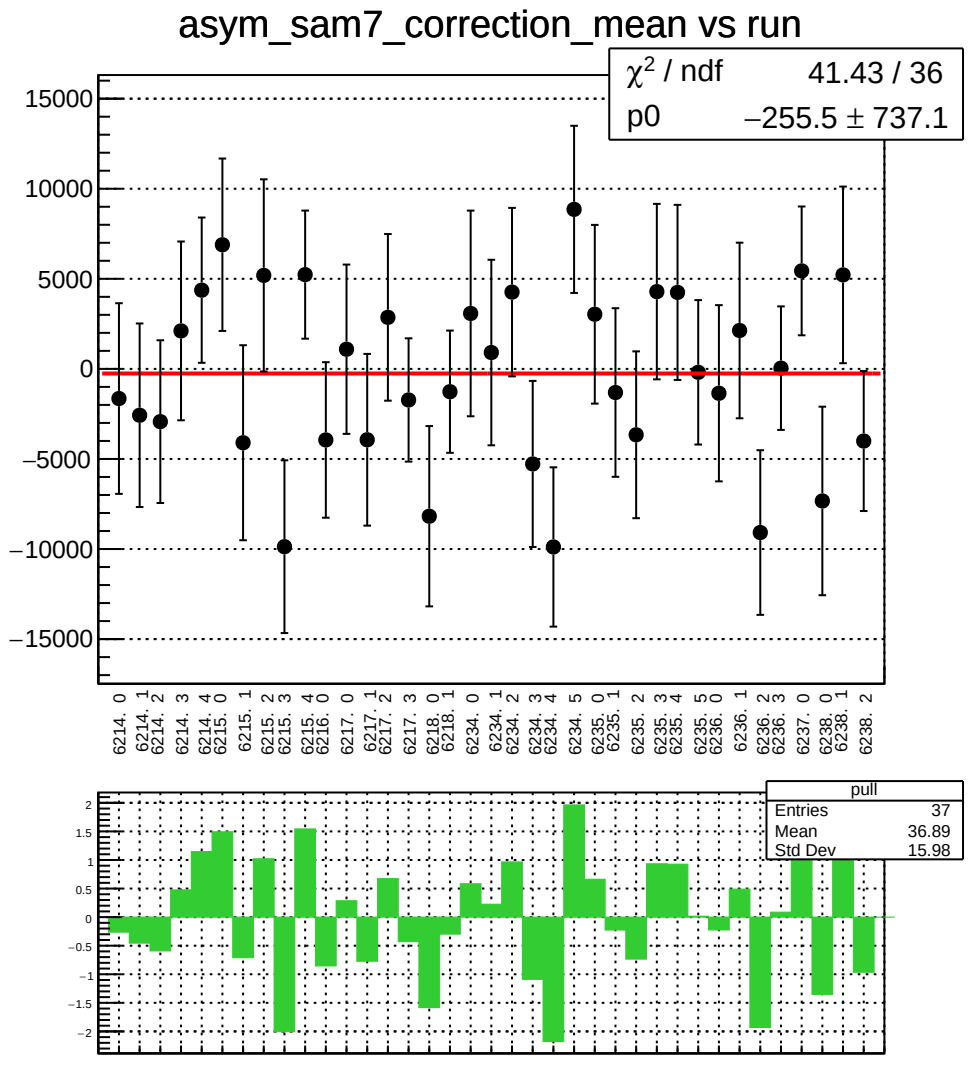

pull1D
Entries 37
Mean −0.008352
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

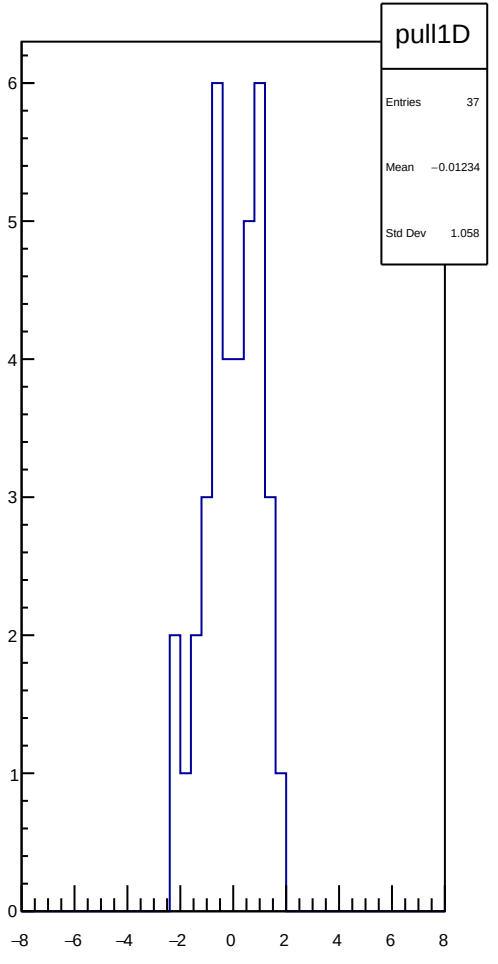

asym_sam6_rms vs run
χ² / ndf 3544 / 36
p0 1352 ± 1.548
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

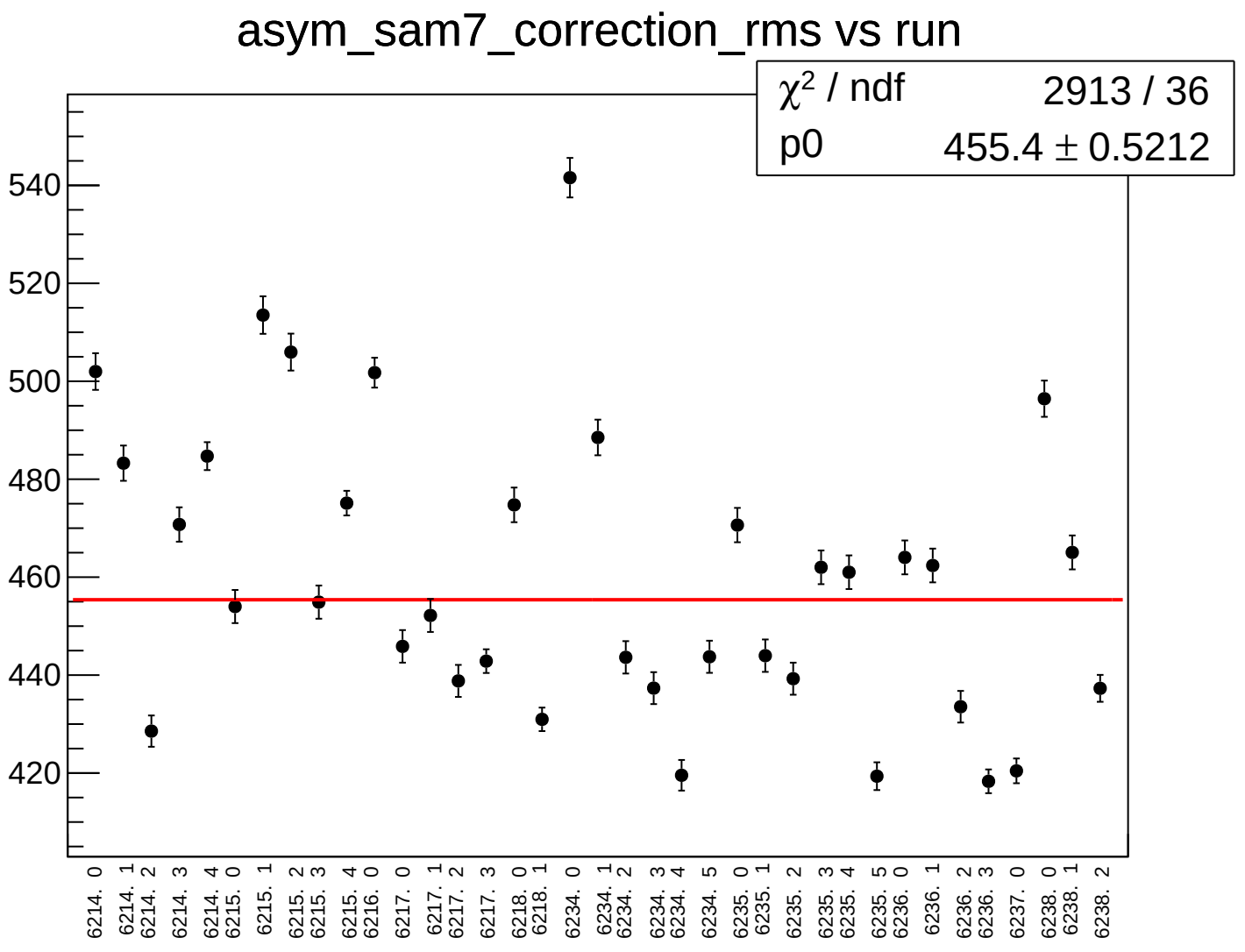

dit_asym_sam7_mean vs run
χ² / ndf 41.74 / 36
p0 15.41 ± 120.4
2000
1000
0
−1000
−2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 5.221
Std Dev 19.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

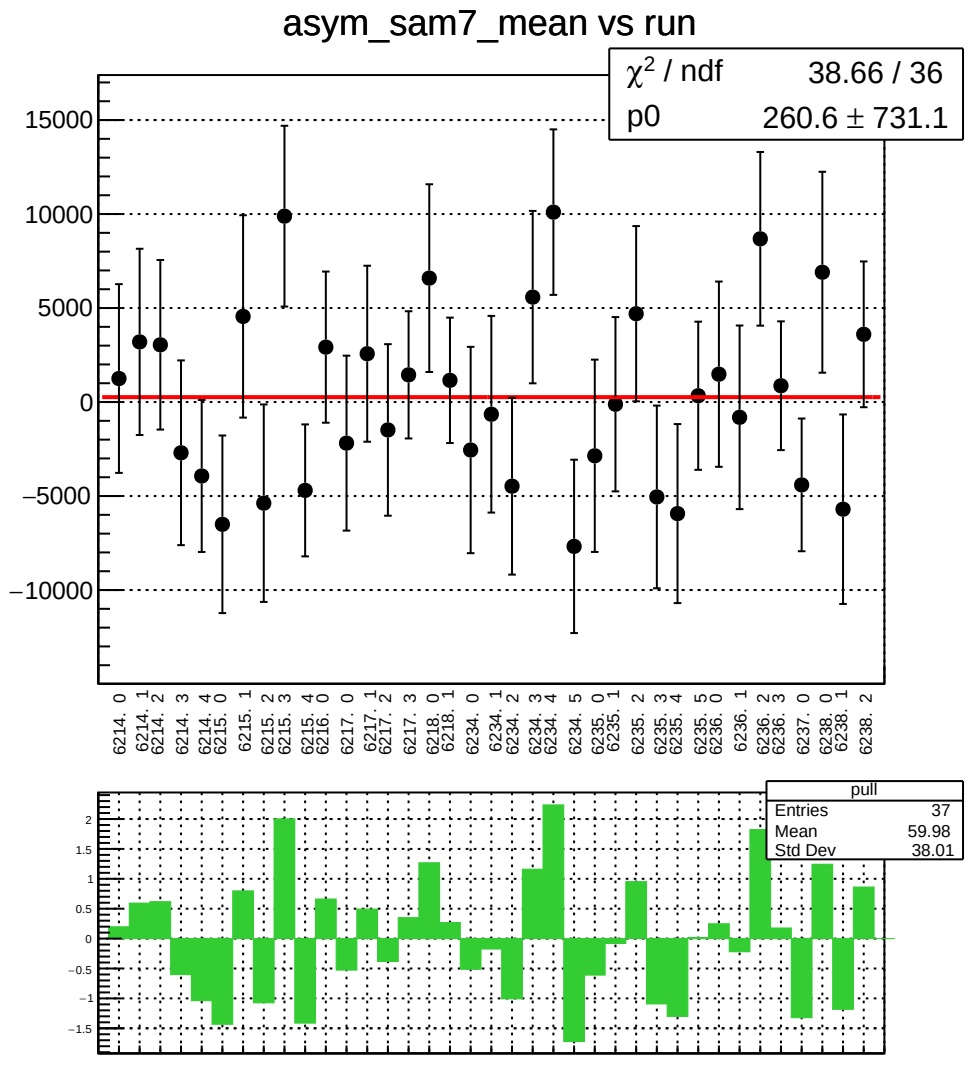

pull1D
Entries 37
Mean −0.03606
Std Dev 1.062
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

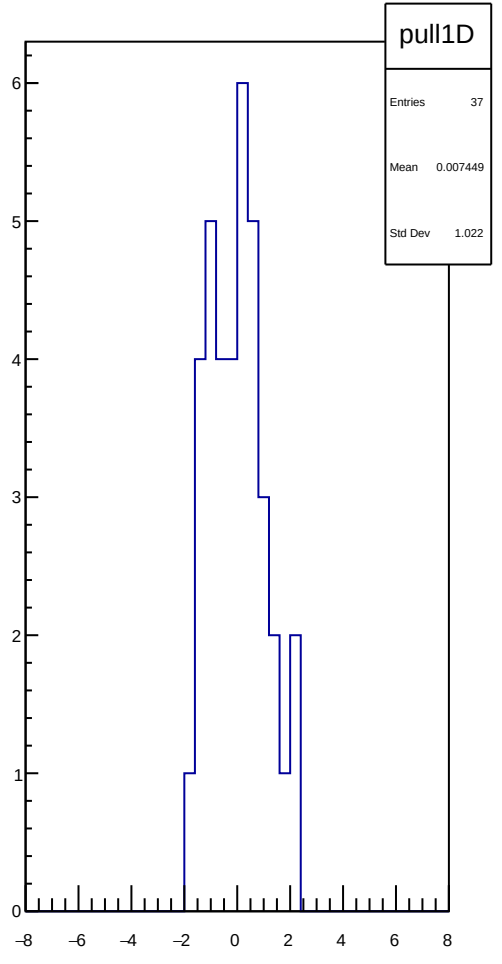

dit_asym_sam7_rms vs run
χ² / ndf 5715 / 36
p0 74.26 ± 0.08514
100
95
90
85
80
75
70
65
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

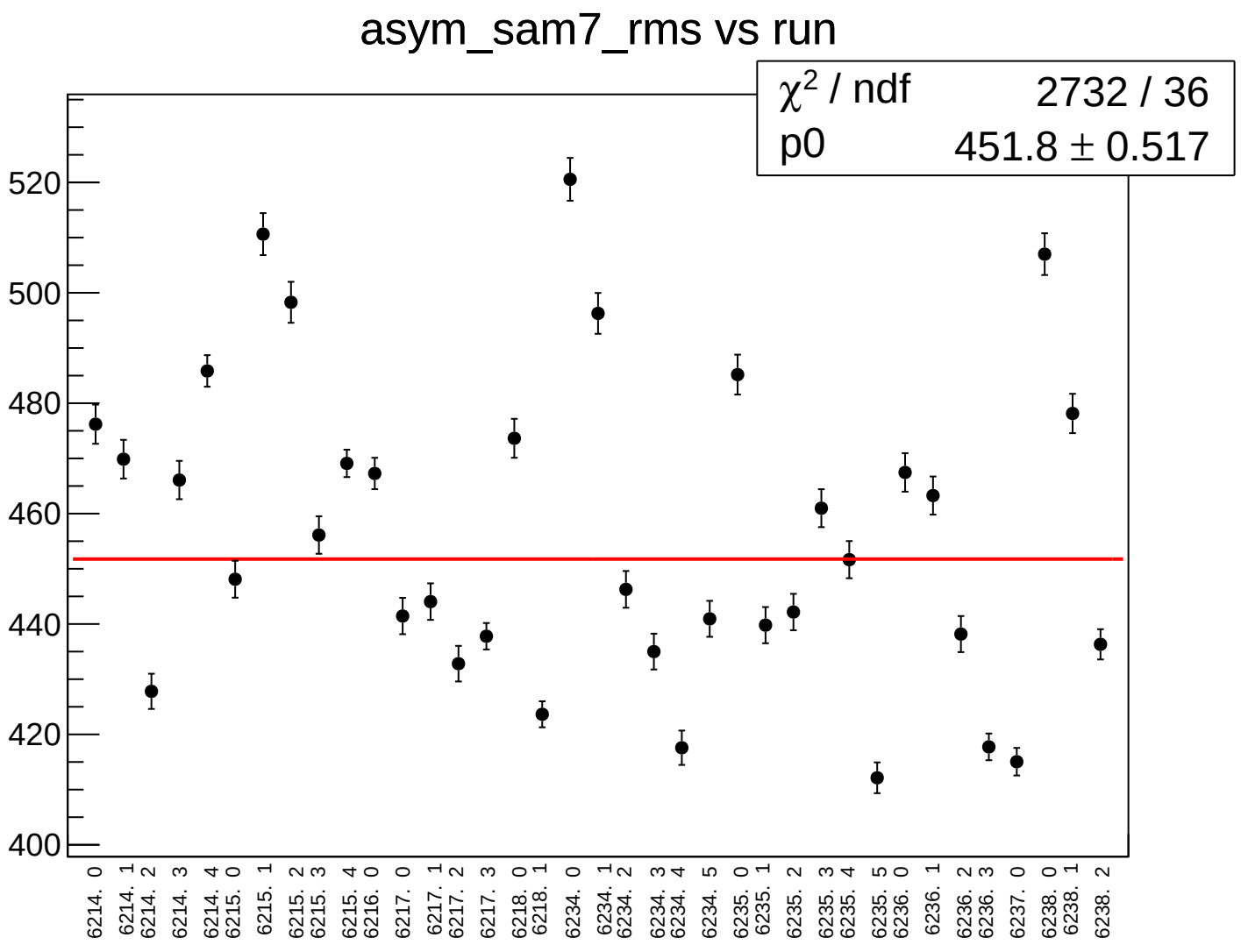

asym_sam7_correction_mean vs run
χ² / ndf 41.43 / 36
p0 −255.5 ± 737.1
15000
10000
5000
0
−5000
−10000
−15000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 36.89
Std Dev 15.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

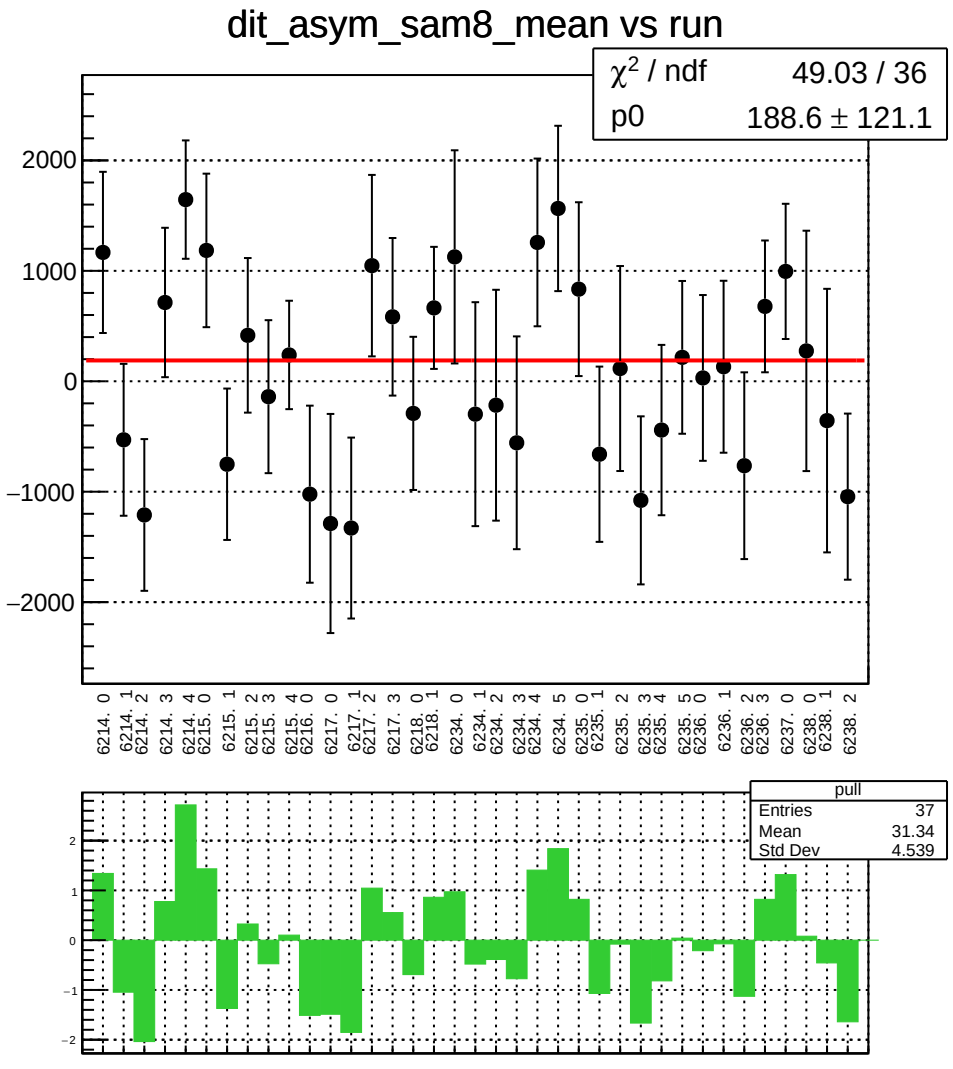

pull1D
Entries 37
Mean −0.01234
Std Dev 1.058
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

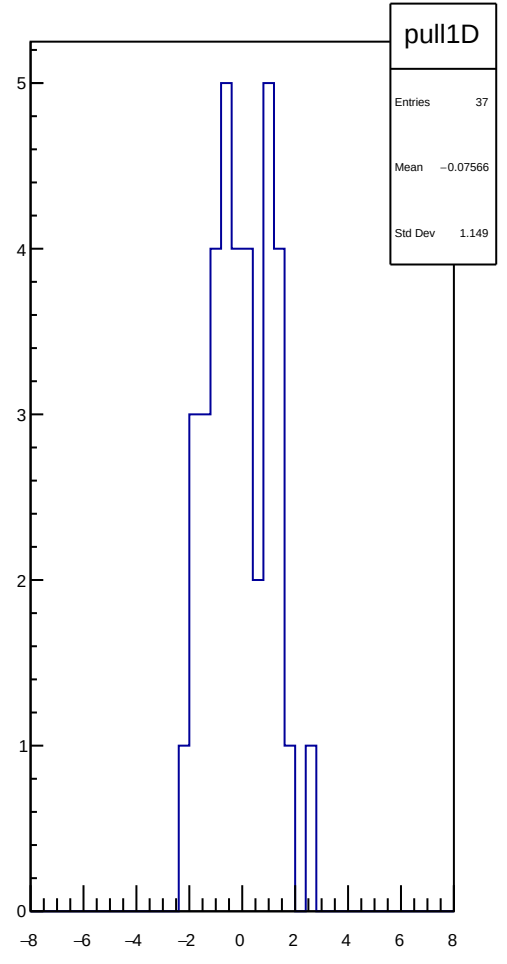

asym_sam7_correction_rms vs run
χ² / ndf 2913 / 36
p0 455.4 ± 0.5212
540
520
500
480
460
440
420
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

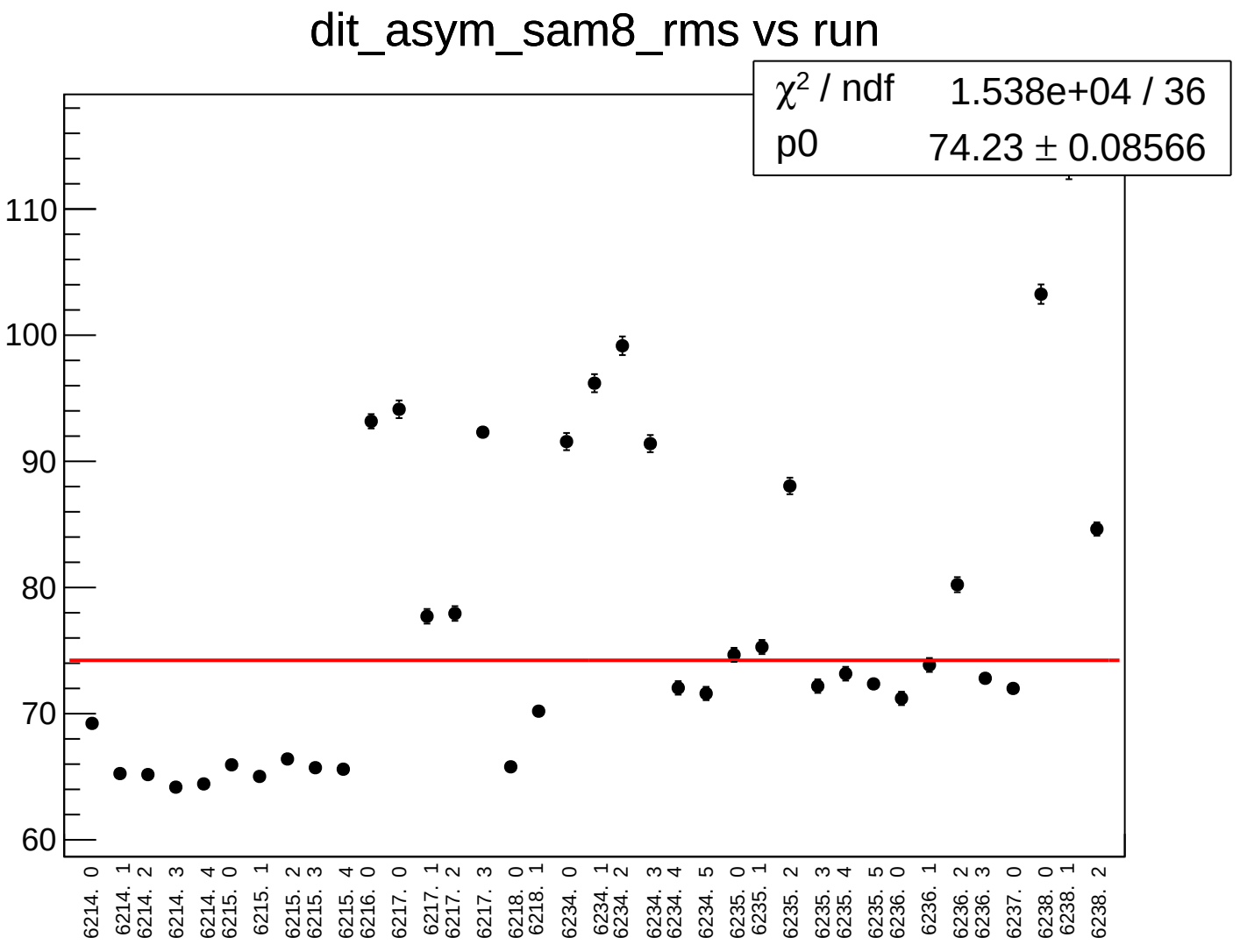

asym_sam7_mean vs run
χ² / ndf 38.66 / 36
p0 260.6 ± 731.1
15000
10000
5000
0
−5000
−10000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 59.98
Std Dev 38.01
2
1.5
1
0.5
0
−0.5
−1
−1.5

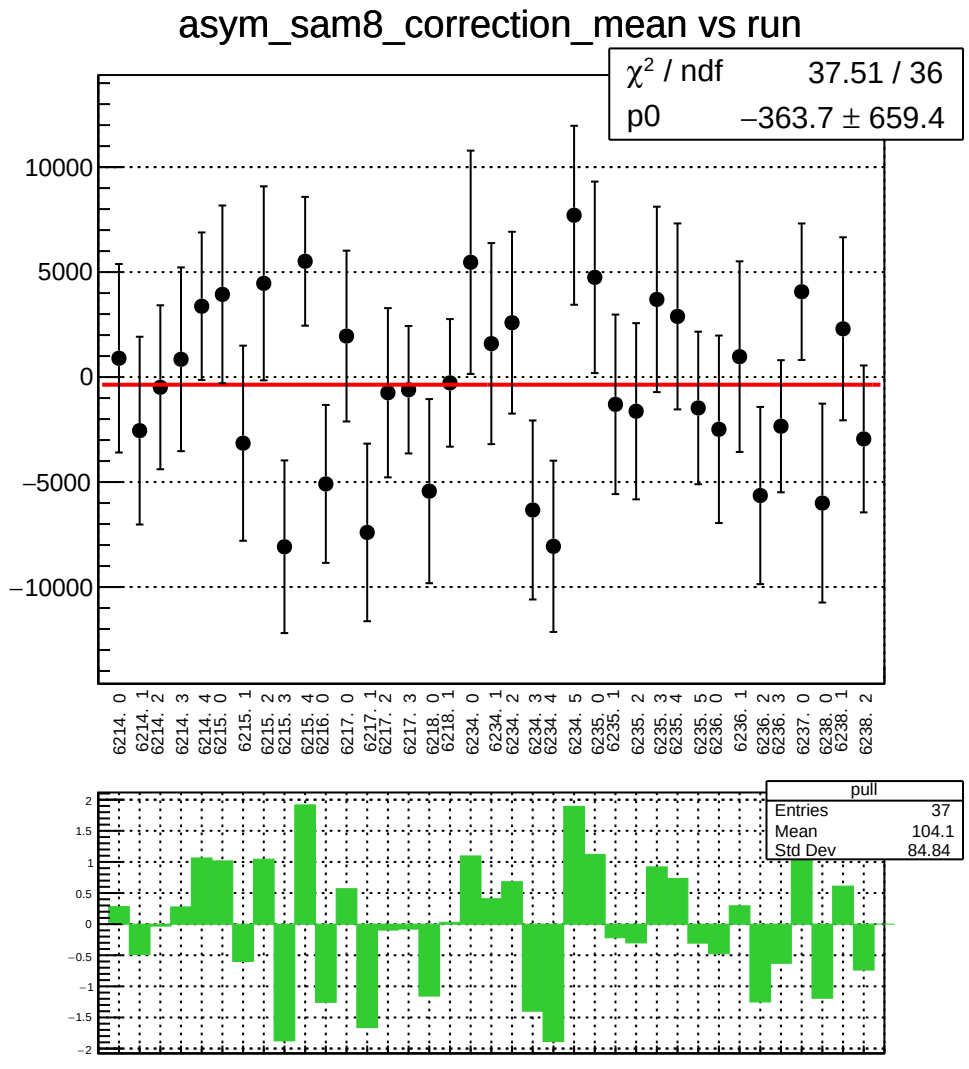

pull1D
Entries 37
Mean 0.007449
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

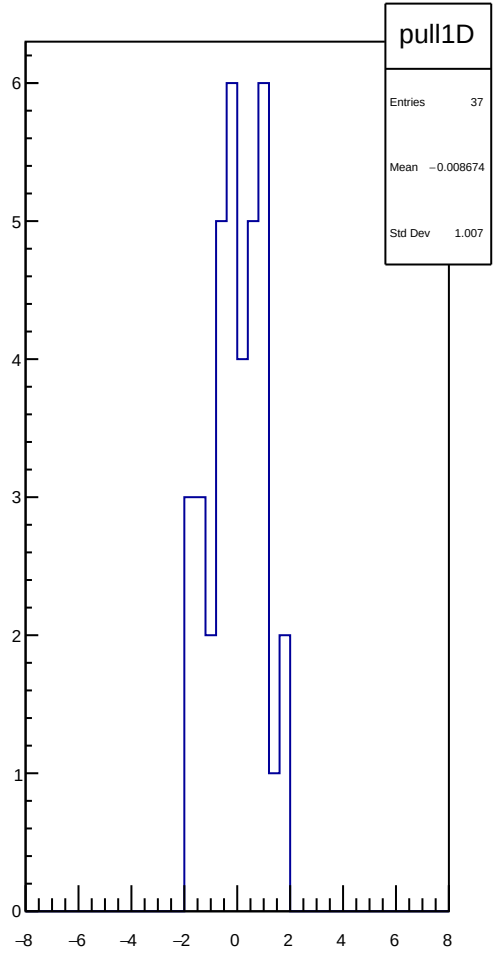

asym_sam7_rms vs run
χ² / ndf 2732 / 36
p0 451.8 ± 0.517
520
500
480
460
440
420
400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

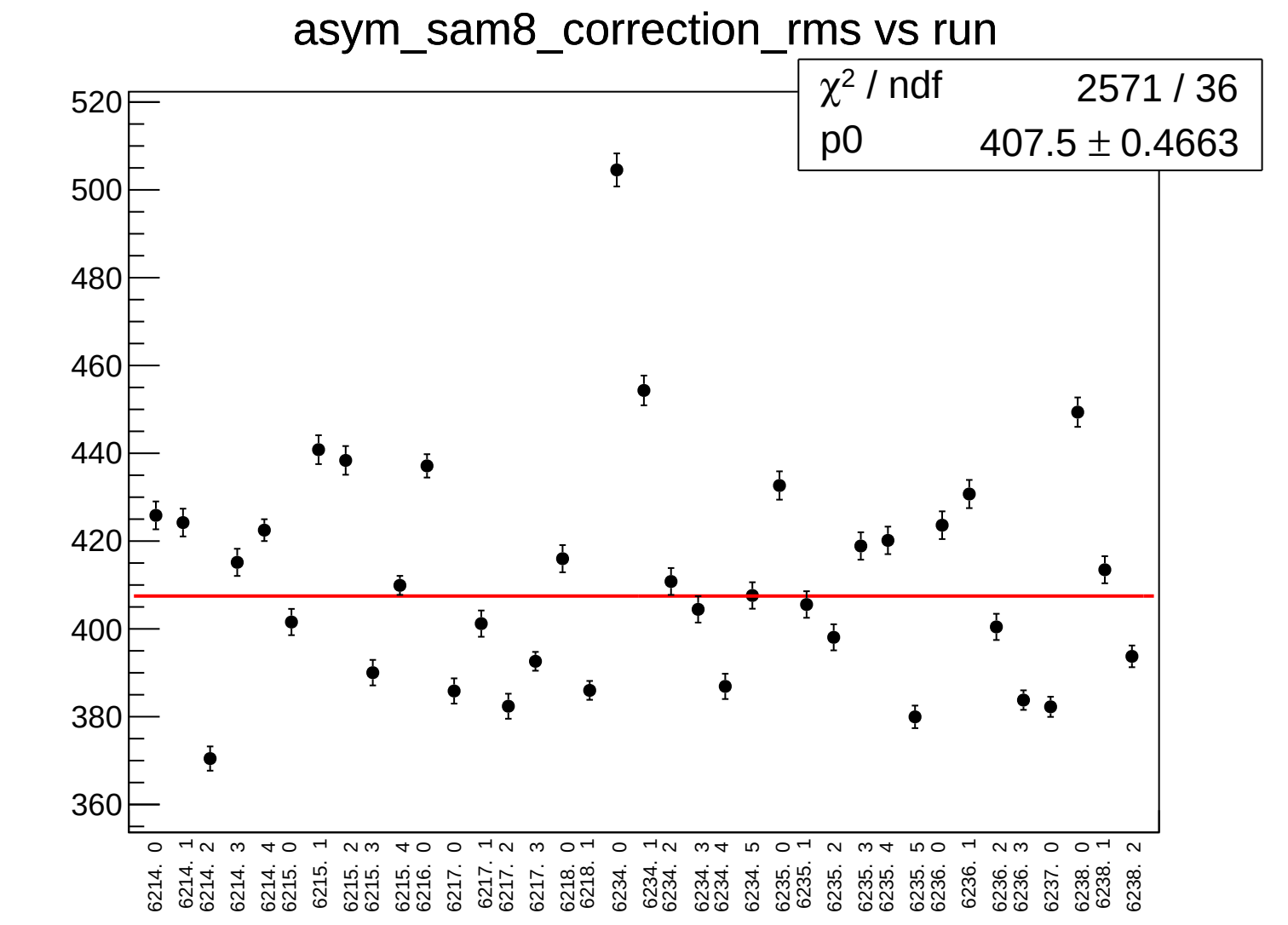

dit_asym_sam8_mean vs run
χ² / ndf 49.03 / 36
p0 188.6 ± 121.1
2000
1000
0
−1000
−2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 31.34
Std Dev 4.539
2
1
0
−1
−2

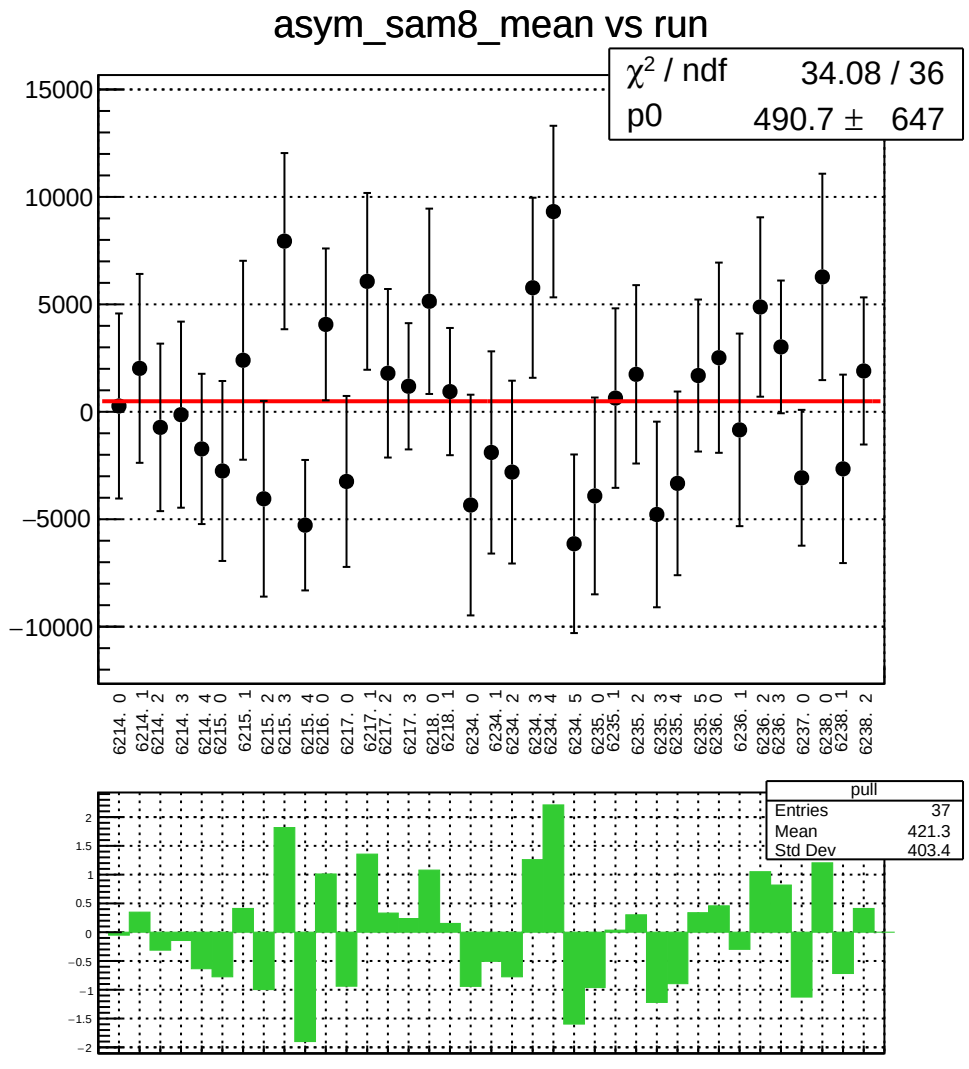

pull1D
Entries 37
Mean −0.07566
Std Dev 1.149
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

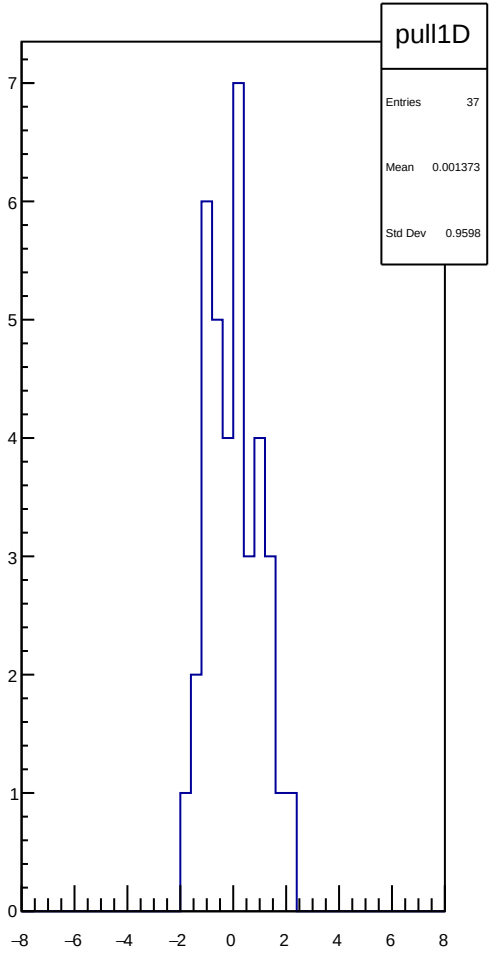

dit_asym_sam8_rms vs run
χ² / ndf 1.538e+04 / 36
p0 74.23 ± 0.08566
110
100
90
80
70
60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

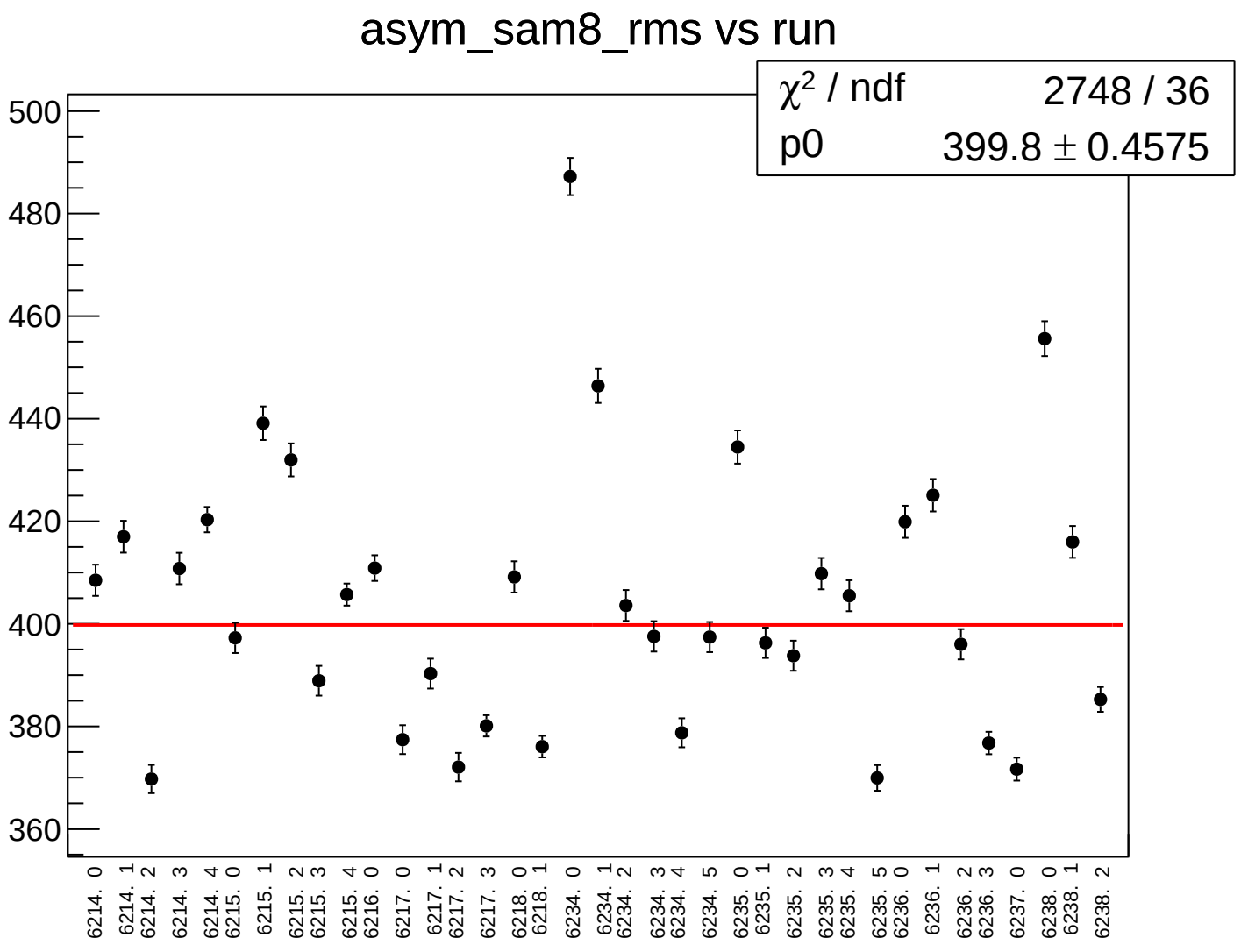

asym_sam8_correction_mean vs run
χ² / ndf 37.51 / 36
p0 −363.7 ± 659.4
10000
5000
0
−5000
−10000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 104.1
Std Dev 84.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

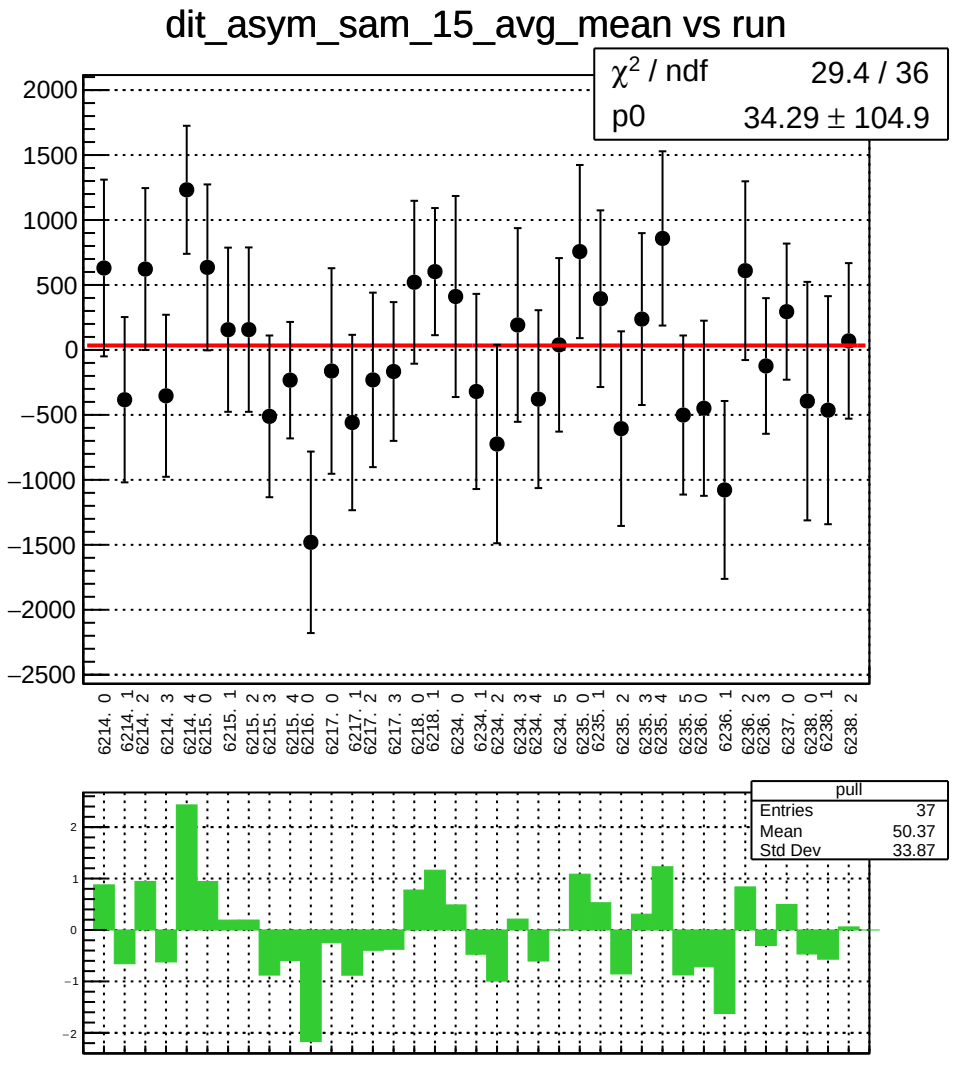

pull1D
Entries 37
Mean −0.008674
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

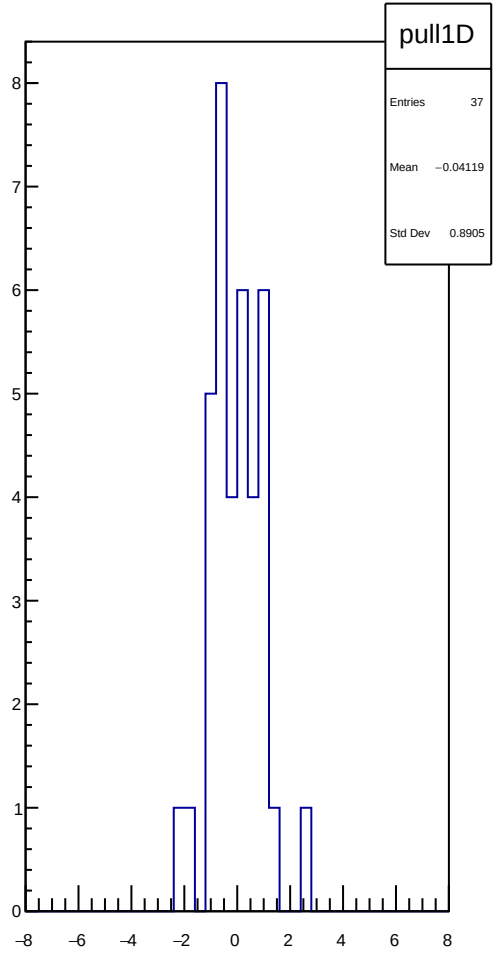

asym_sam8_correction_rms vs run
χ² / ndf 2571 / 36
p0 407.5 ± 0.4663
520
500
480
460
440
420
400
380
360
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

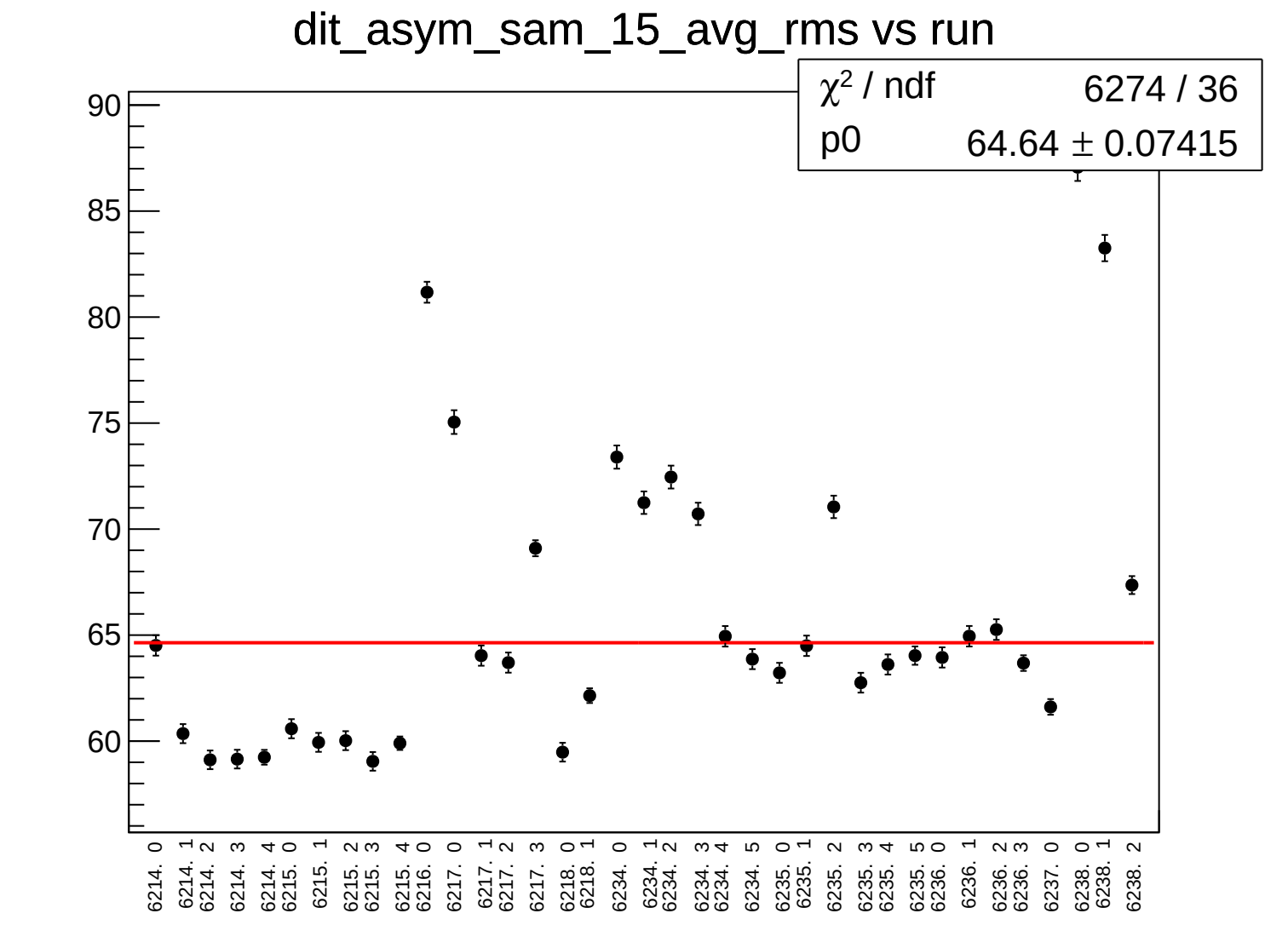

asym_sam8_mean vs run
χ² / ndf 34.08 / 36
p0 490.7 ± 647
15000
10000
5000
0
−5000
−10000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 421.3
Std Dev 403.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

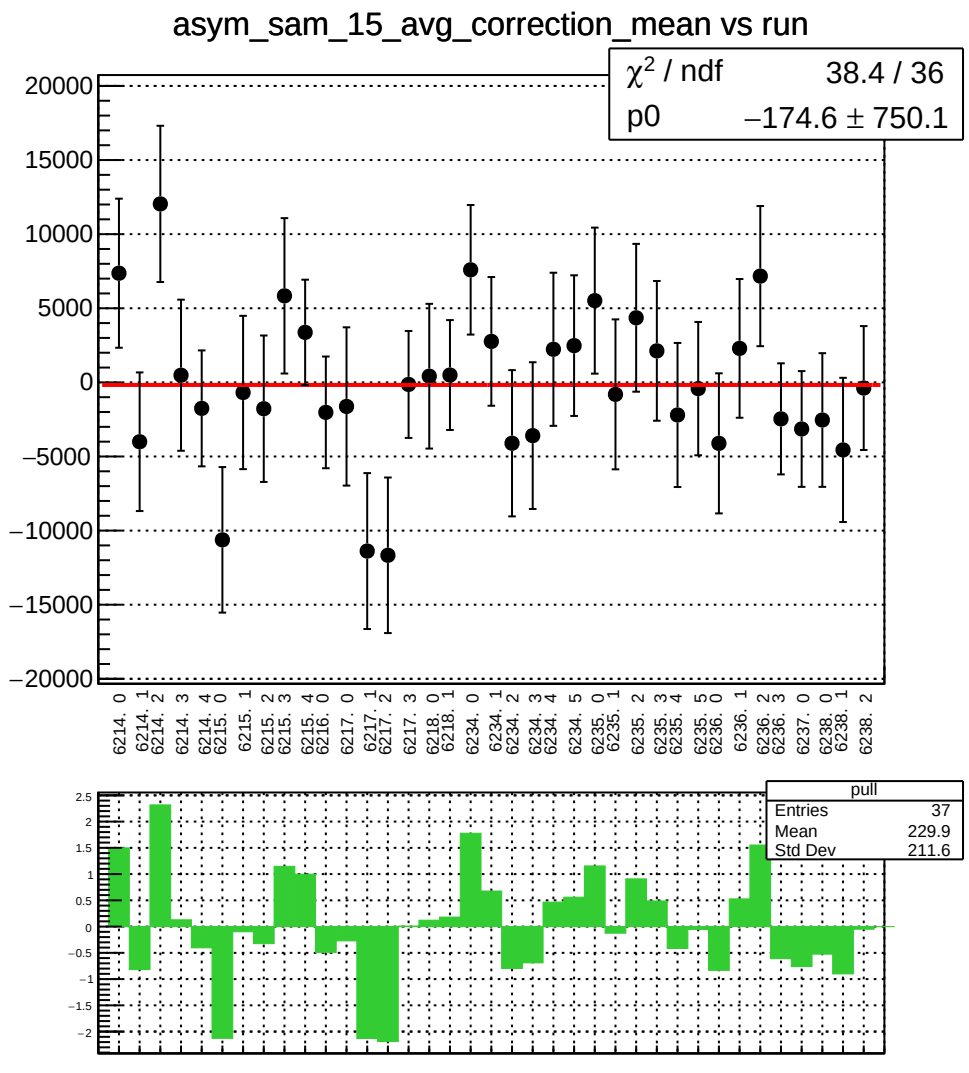

pull1D
Entries 37
Mean 0.001373
Std Dev 0.9598
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

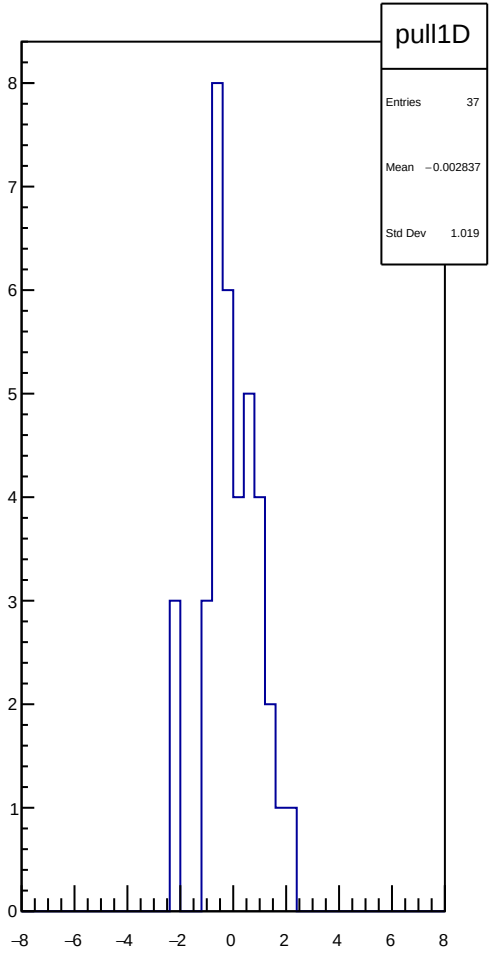

asym_sam8_rms vs run
χ² / ndf 2748 / 36
p0 399.8 ± 0.4575
500
480
460
440
420
400
380
360
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

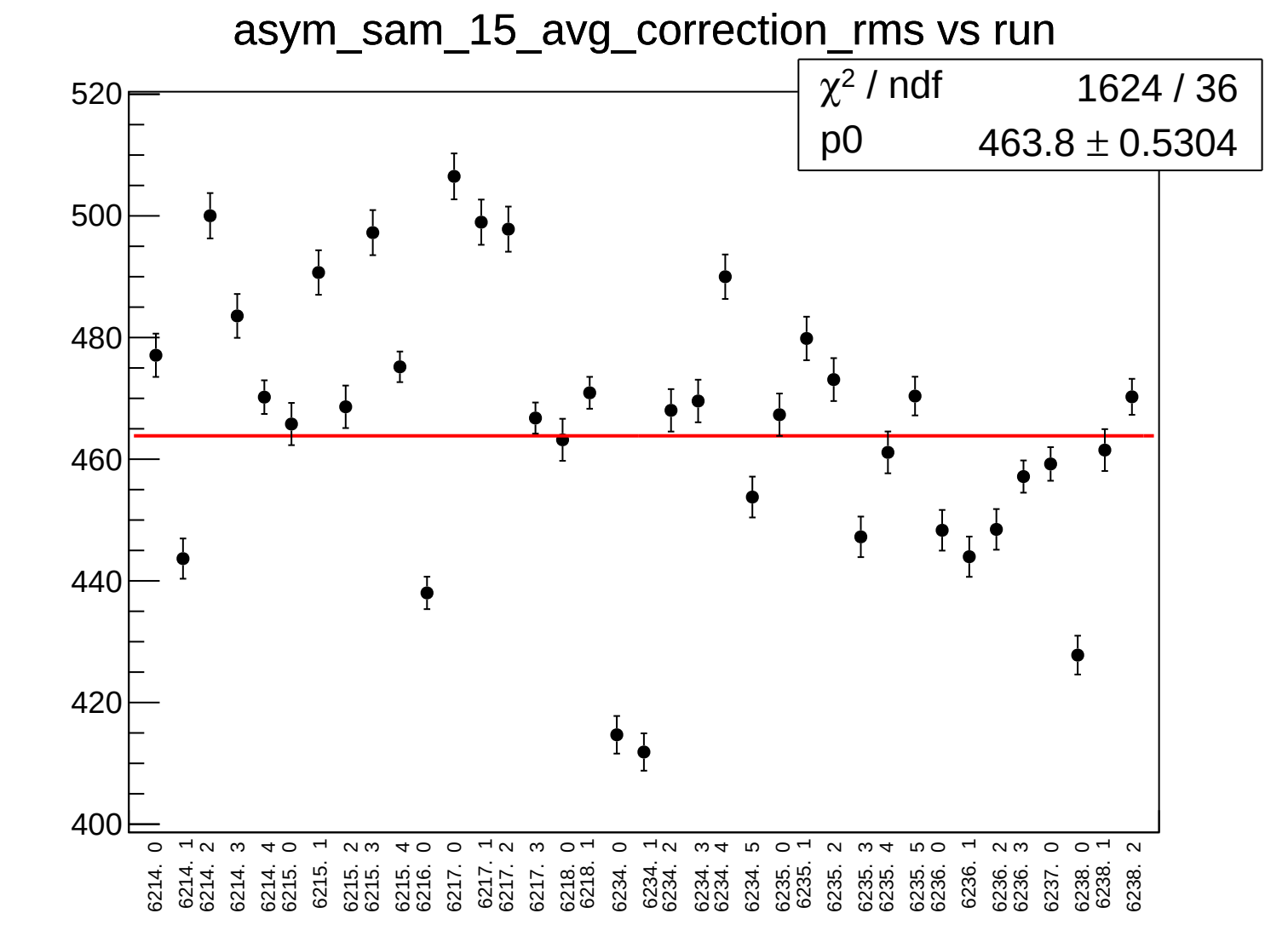

dit_asym_sam_15_avg_mean vs run
χ² / ndf 29.4 / 36
p0 34.29 ± 104.9
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 50.37
Std Dev 33.87
2
1
0
−1
−2

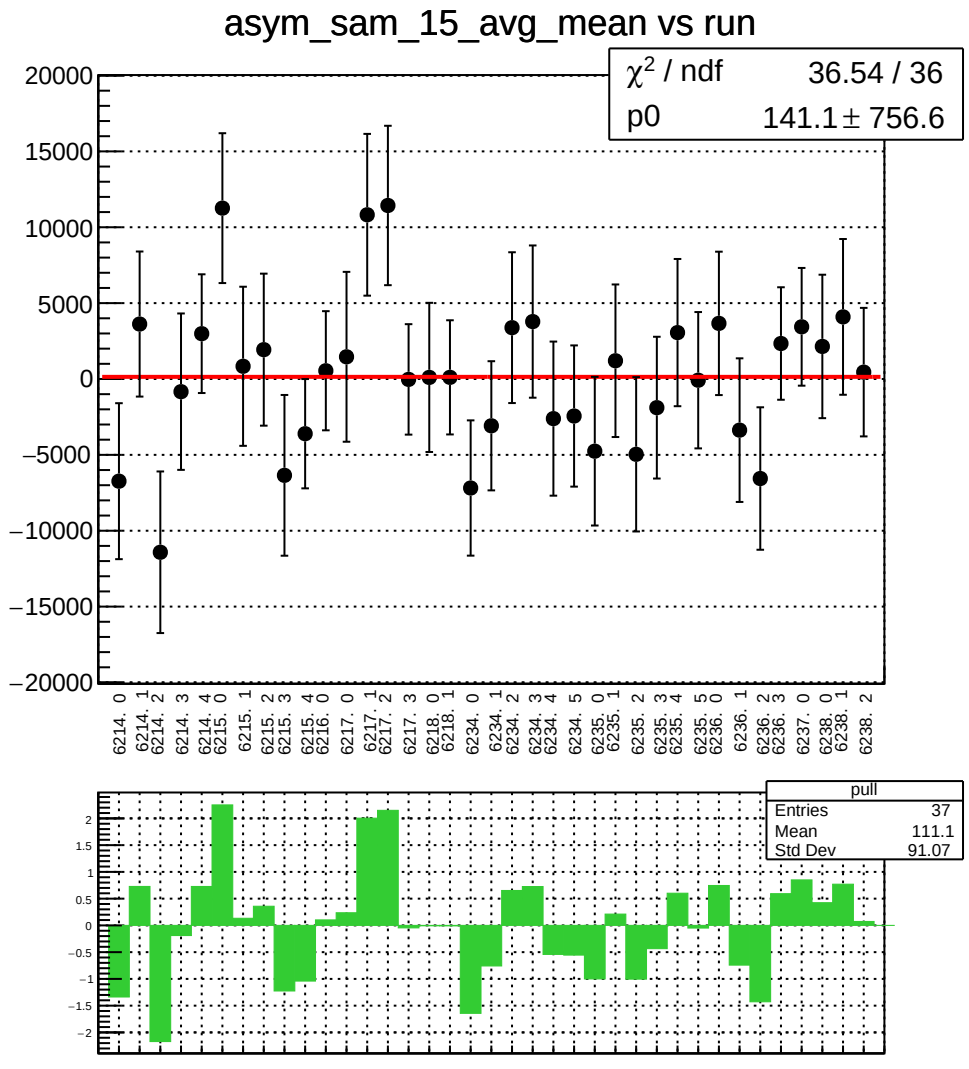

pull1D
Entries 37
Mean −0.04119
Std Dev 0.8905
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

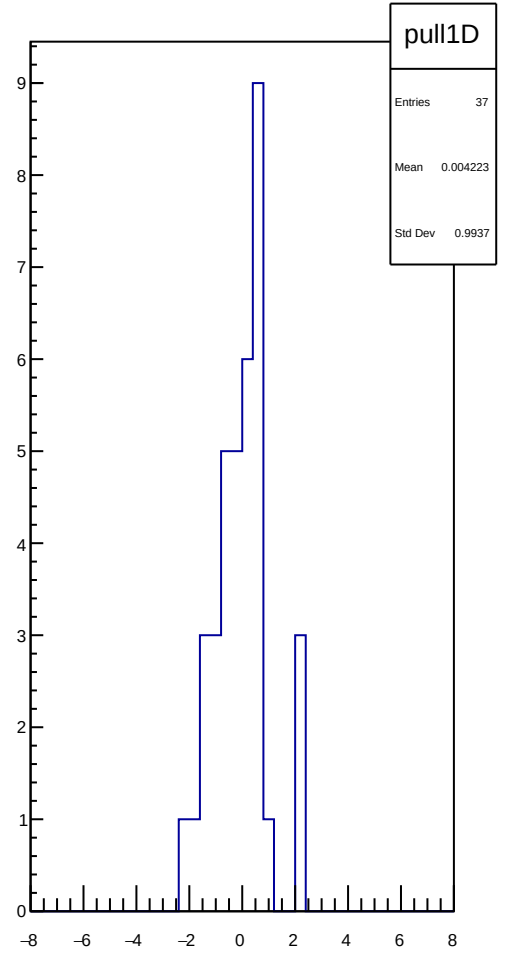

dit_asym_sam_15_avg_rms vs run
χ² / ndf 6274 / 36
p0 64.64 ± 0.07415
90
85
80
75
70
65
60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

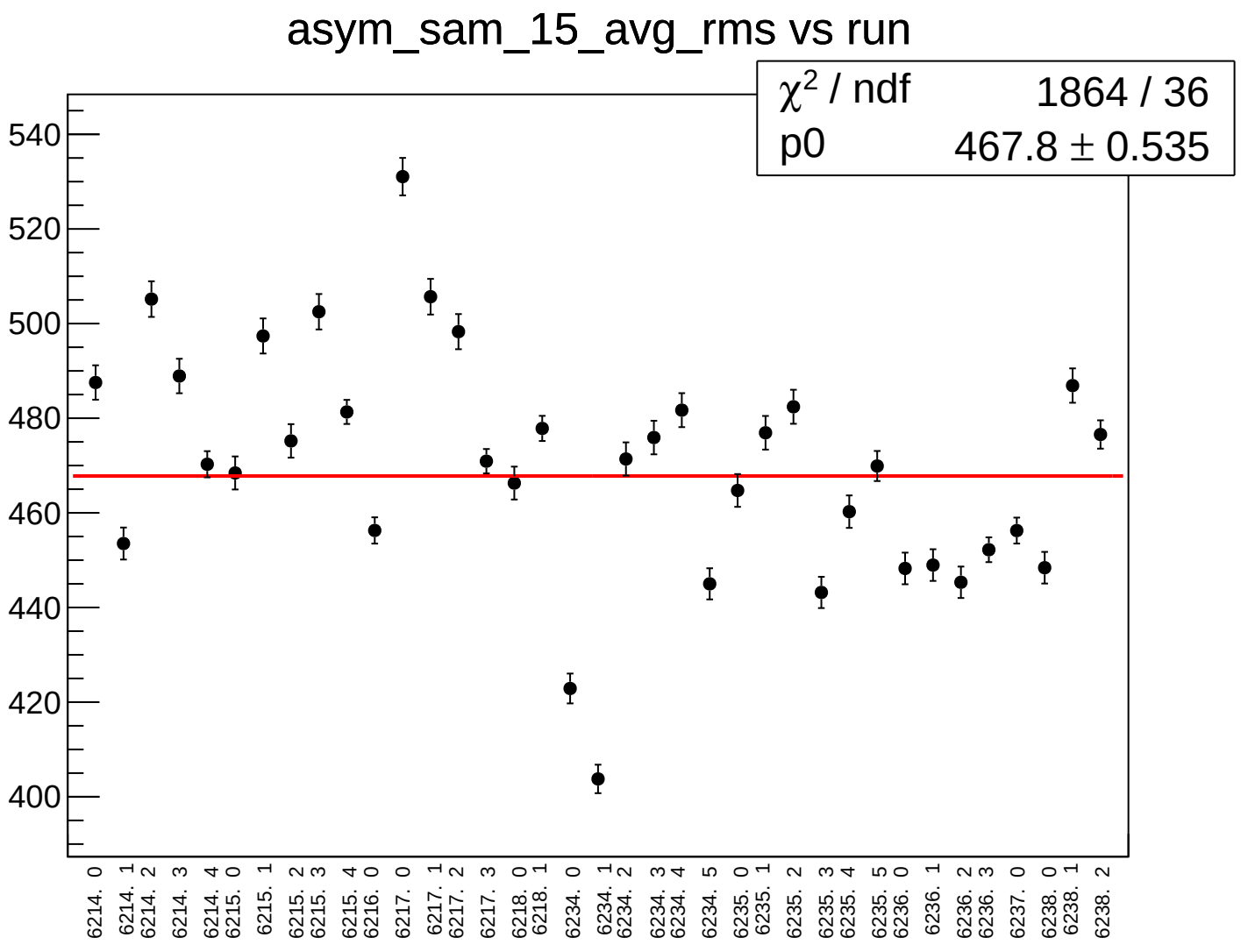

asym_sam_15_avg_correction_mean vs run
χ² / ndf 38.4 / 36
p0 −174.6 ± 750.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 229.9
Std Dev 211.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

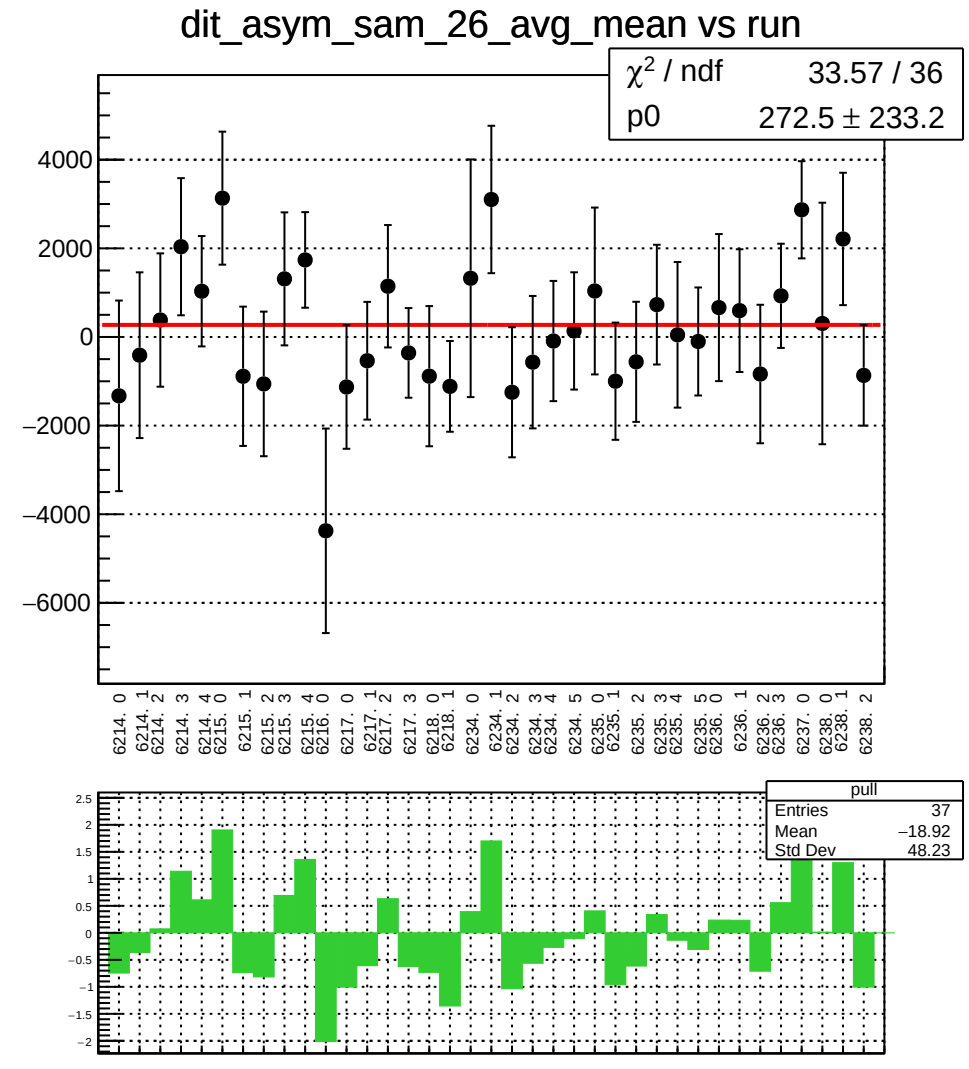

pull1D
Entries 37
Mean −0.002837
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

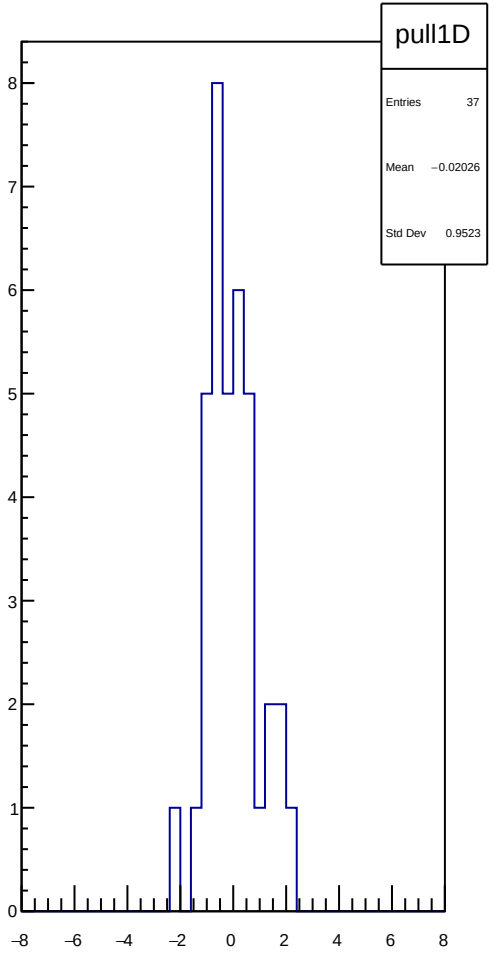

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1624 / 36
p0 463.8 ± 0.5304
520
500
480
460
440
420
400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

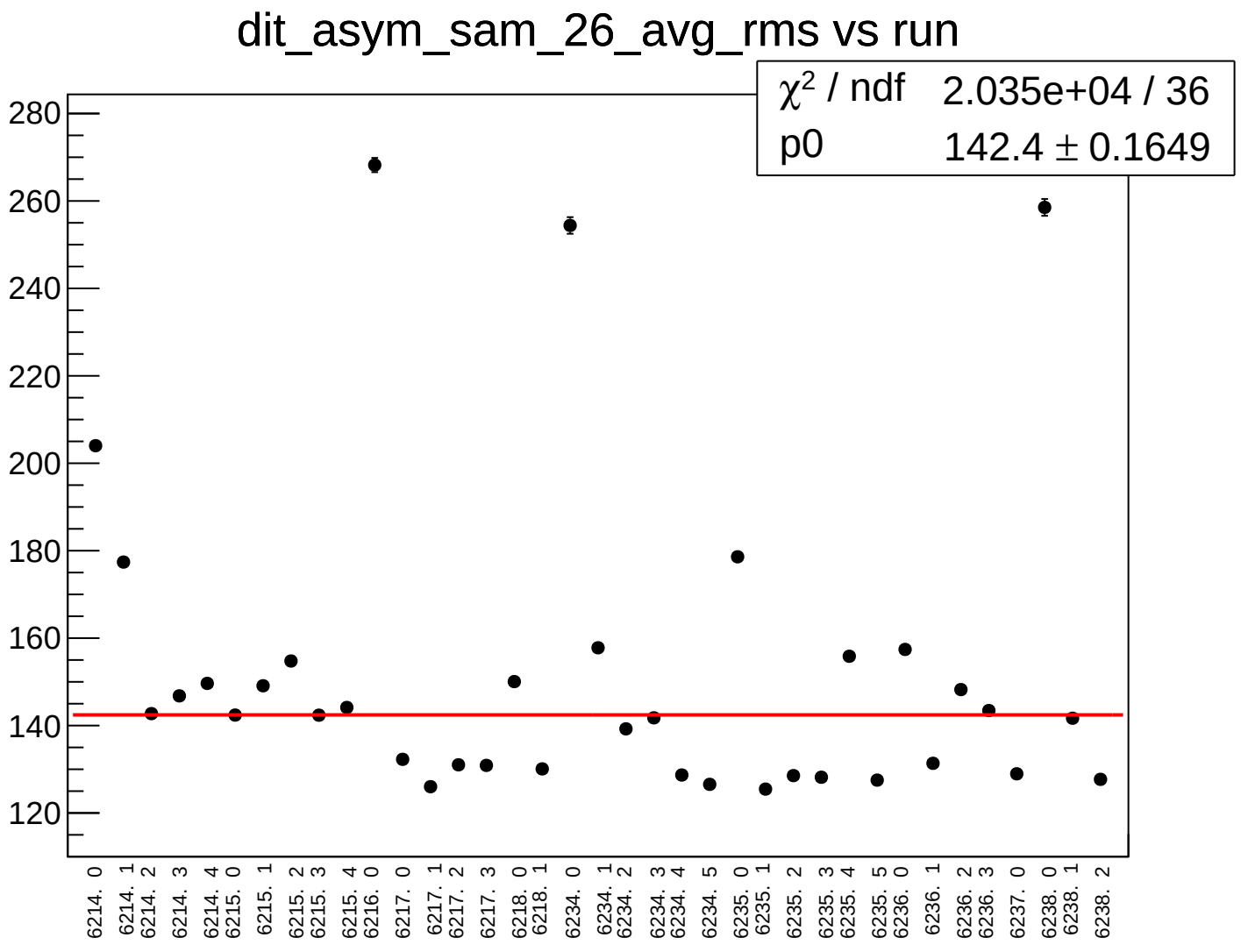

asym_sam_15_avg_mean vs run
χ² / ndf 36.54 / 36
p0 141.1 ± 756.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 111.1
Std Dev 91.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

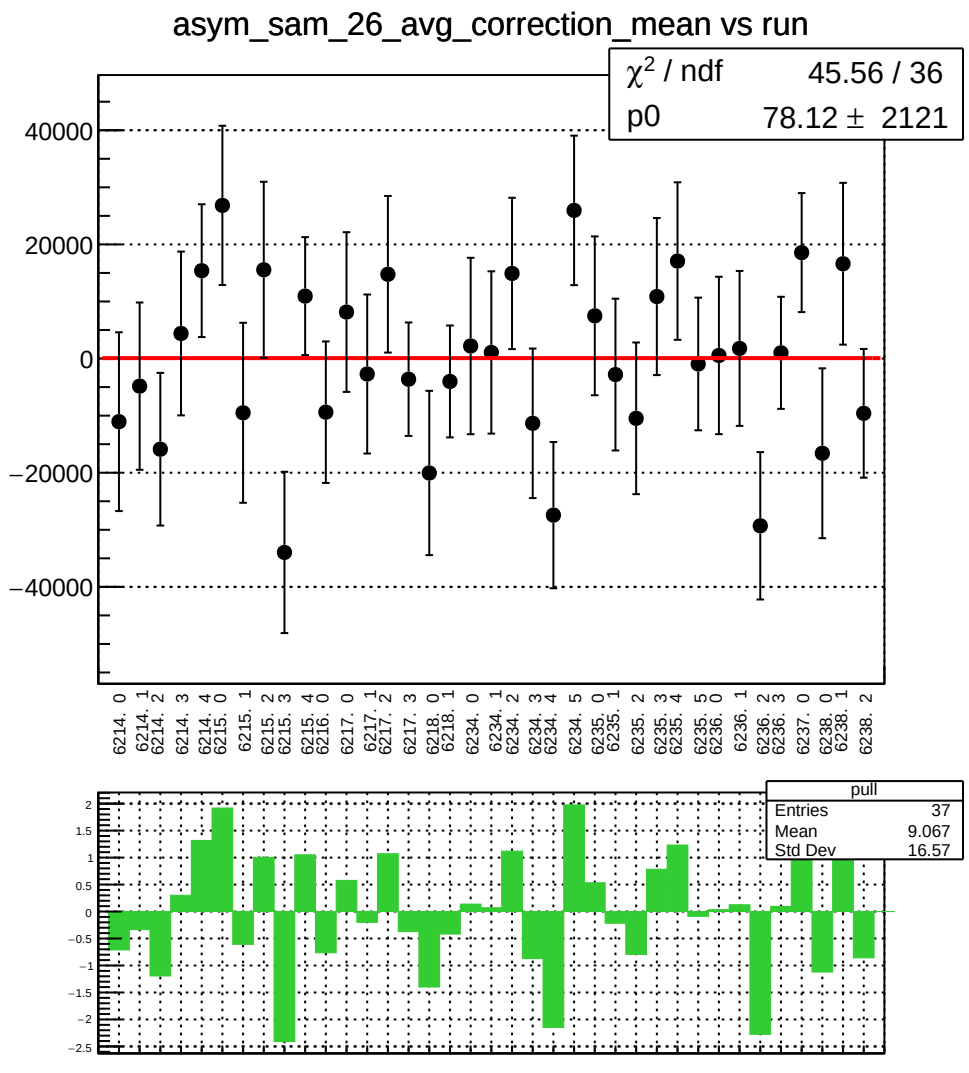

pull1D
Entries 37
Mean 0.004223
Std Dev 0.9937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

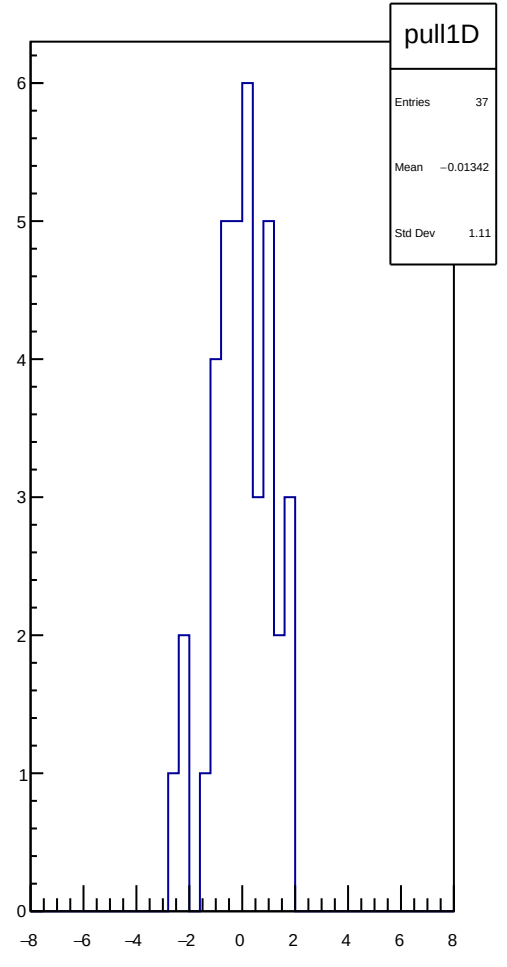

asym_sam_15_avg_rms vs run
χ² / ndf 1864 / 36
p0 467.8 ± 0.535
540
520
500
480
460
440
420
400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

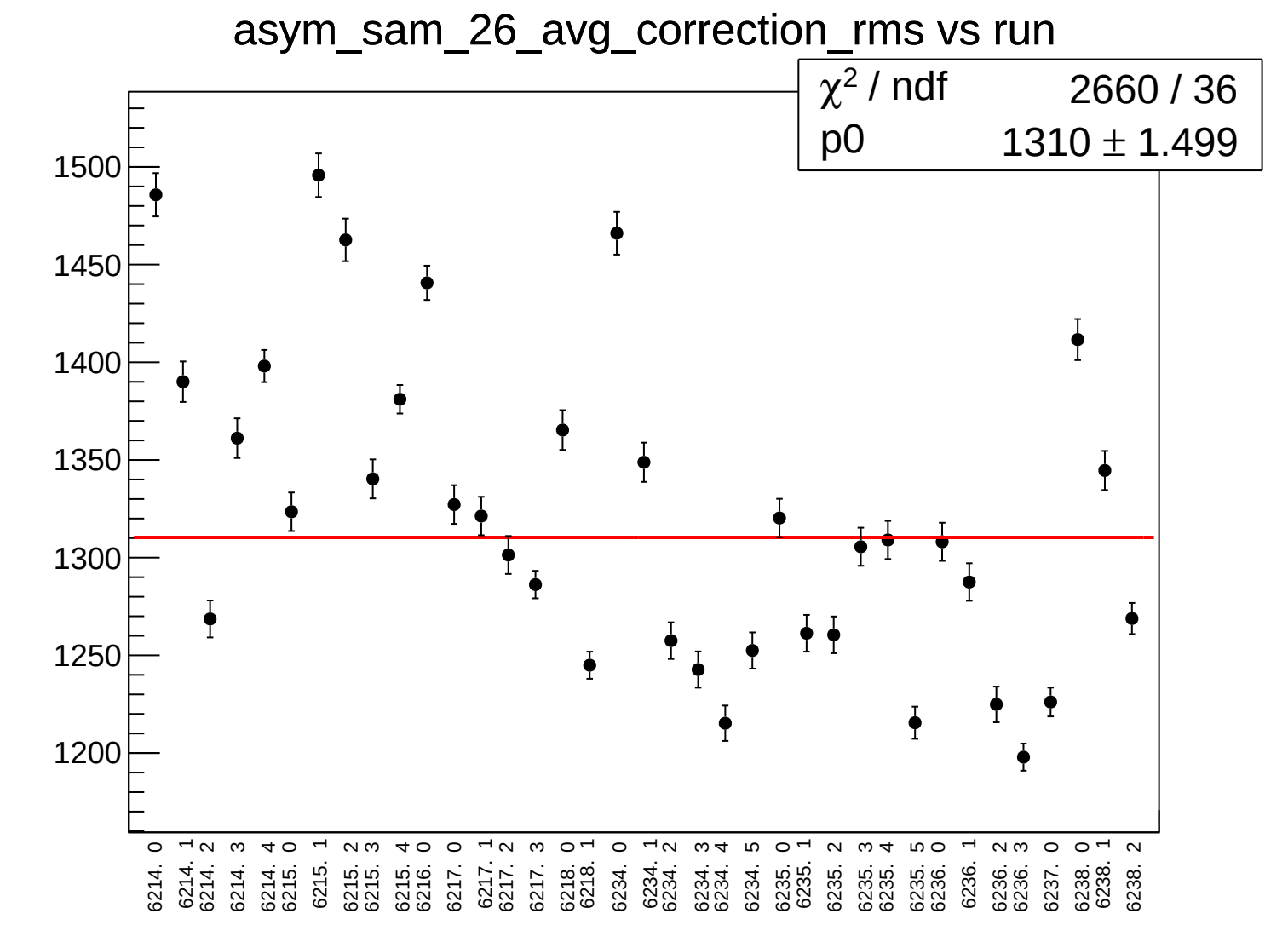

dit_asym_sam_26_avg_mean vs run
χ² / ndf 33.57 / 36
p0 272.5 ± 233.2
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −18.92
Std Dev 48.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

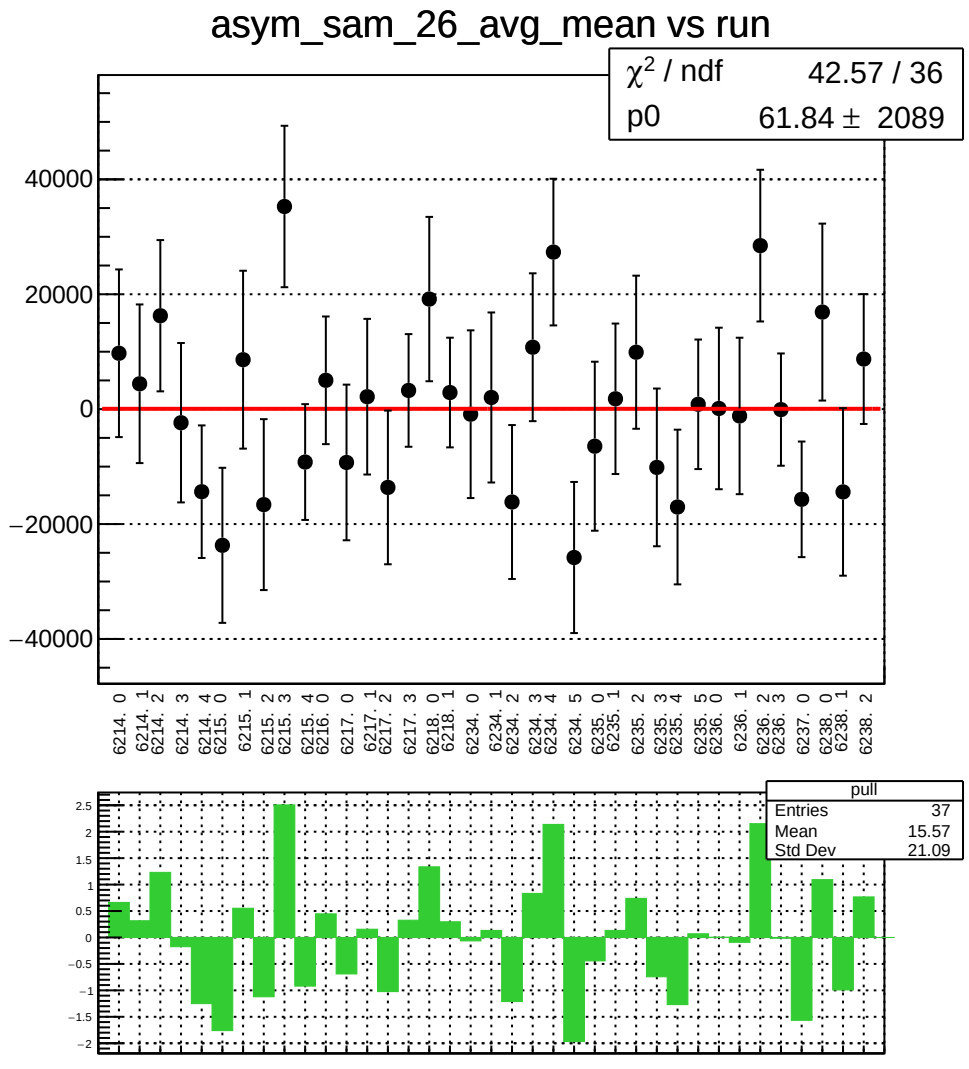

pull1D
Entries 37
Mean −0.02026
Std Dev 0.9523
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

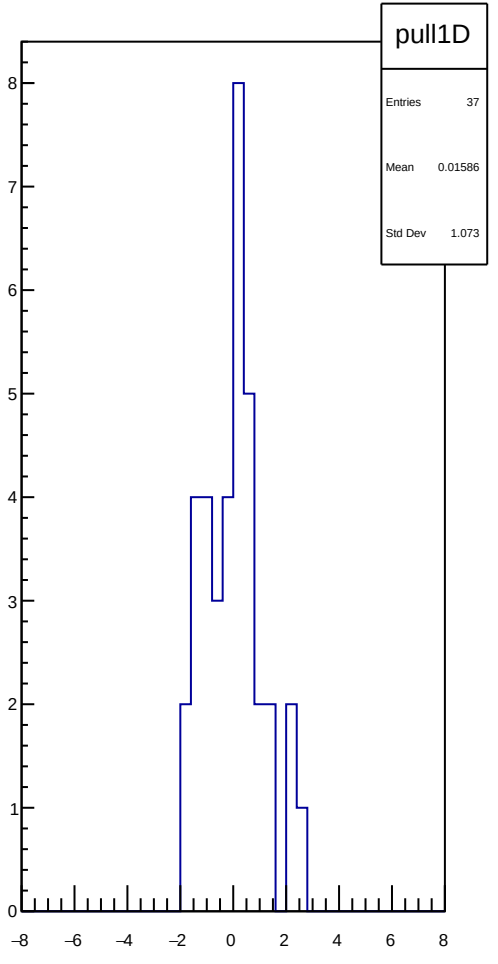

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.035e+04 / 36
p0 142.4 ± 0.1649
280
260
240
220
200
180
160
140
120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

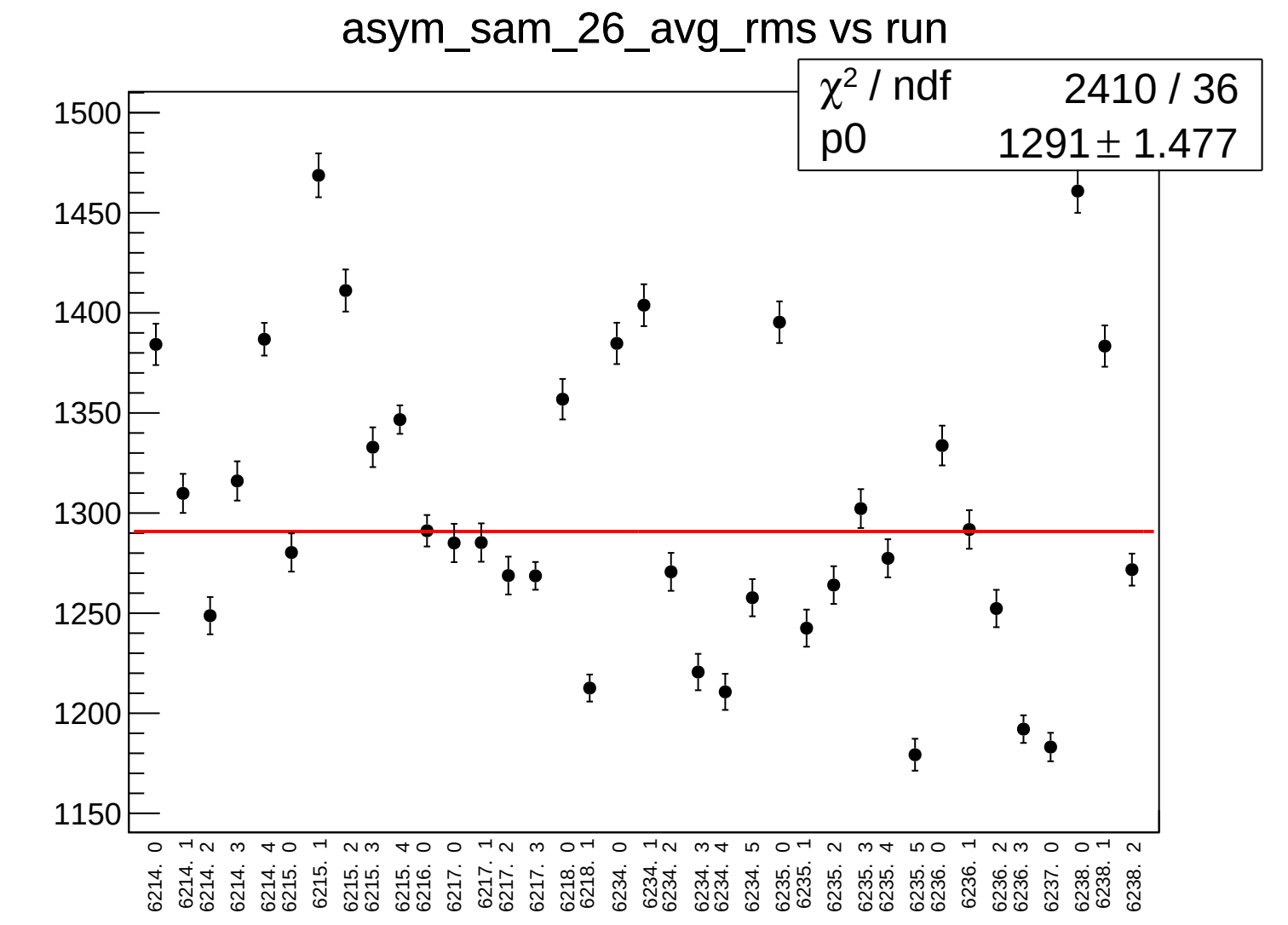

asym_sam_26_avg_correction_mean vs run
χ² / ndf 45.56 / 36
p0 78.12 ± 2121
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 9.067
Std Dev 16.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

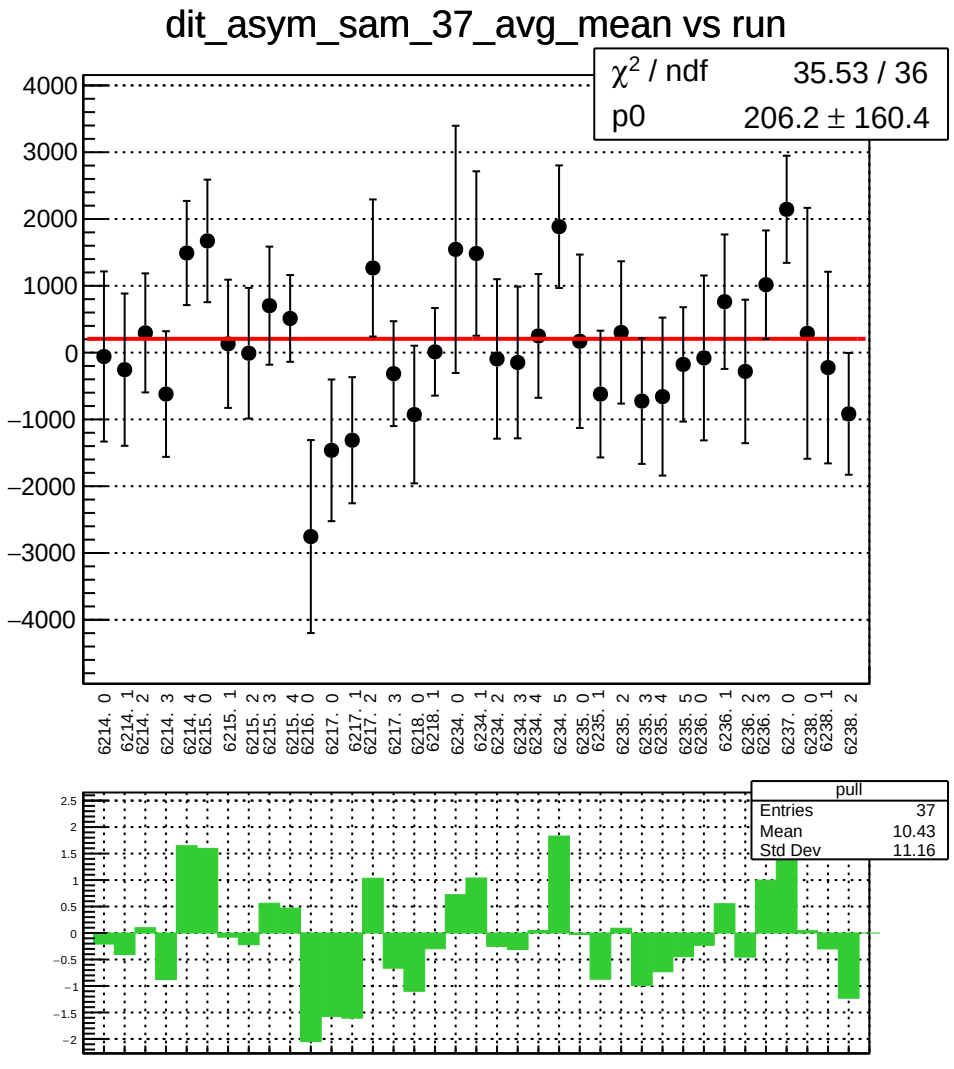

pull1D
Entries 37
Mean −0.01342
Std Dev 1.11
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

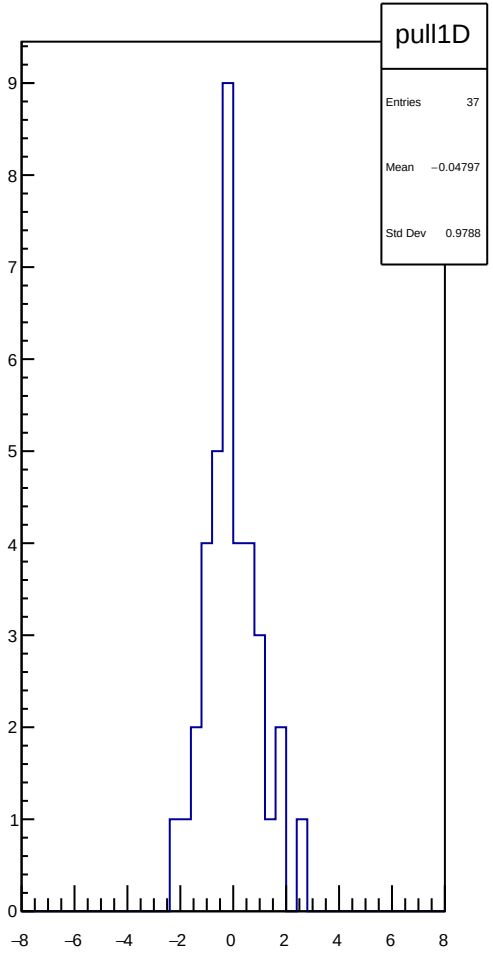

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2660 / 36
p0 1310 ± 1.499
1500
1450
1400
1350
1300
1250
1200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

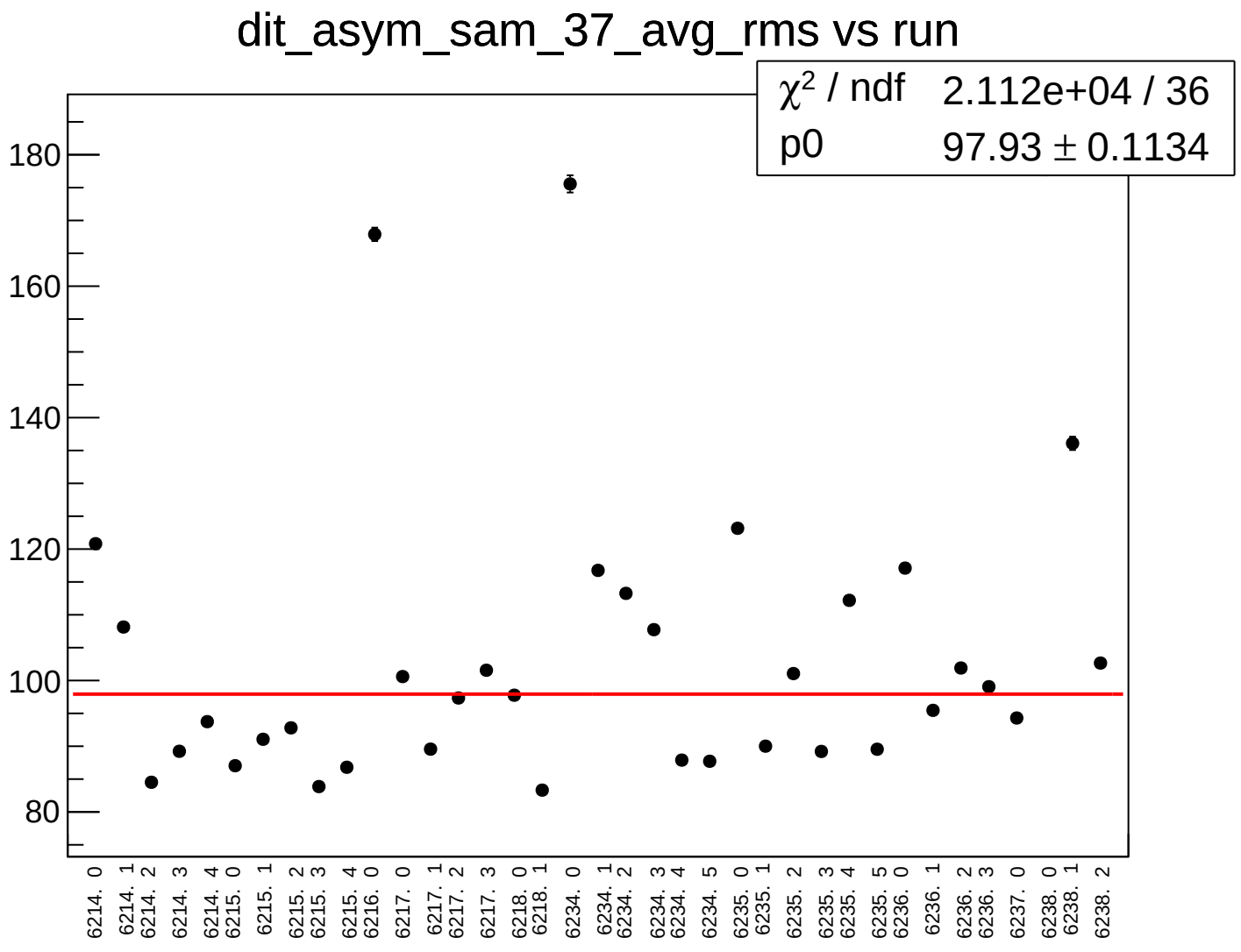

asym_sam_26_avg_mean vs run
χ² / ndf 42.57 / 36
p0 61.84 ± 2089
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 15.57
Std Dev 21.09
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

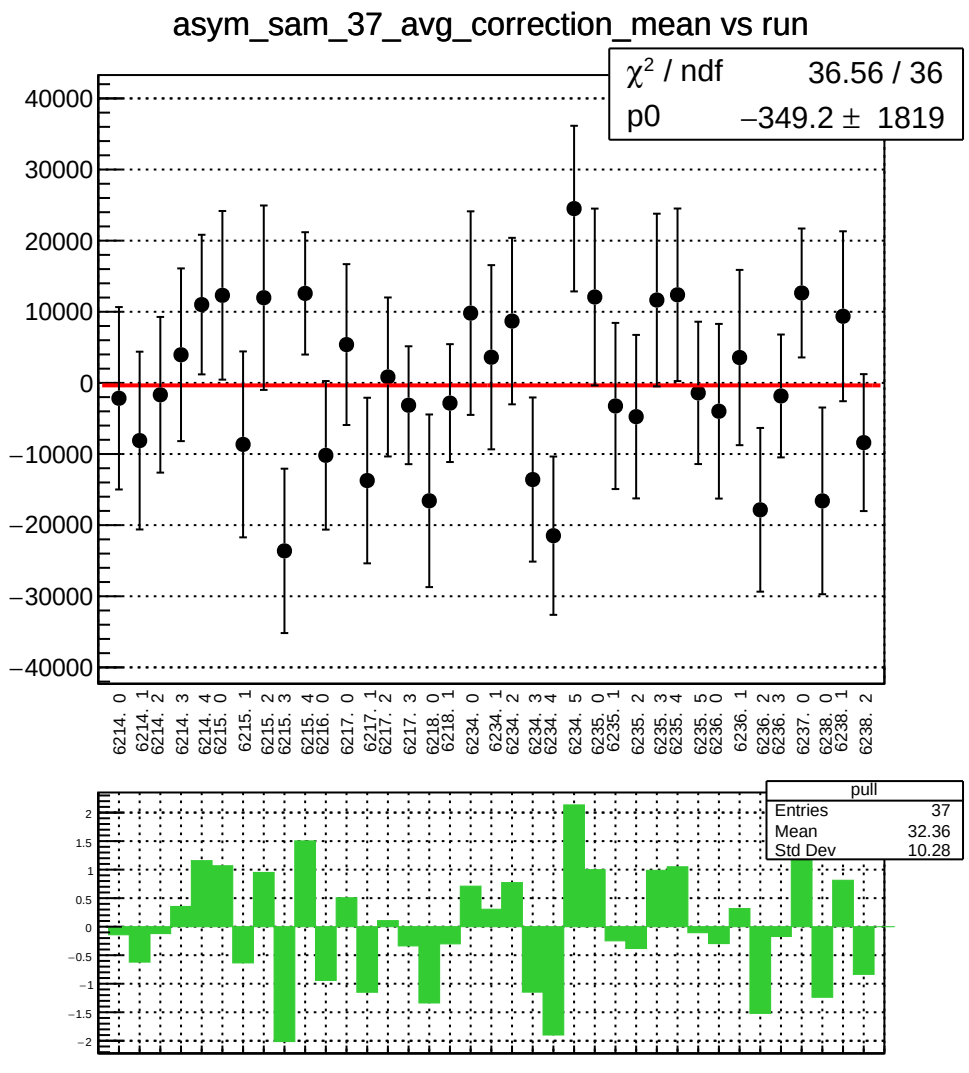

pull1D
Entries 37
Mean 0.01586
Std Dev 1.073
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

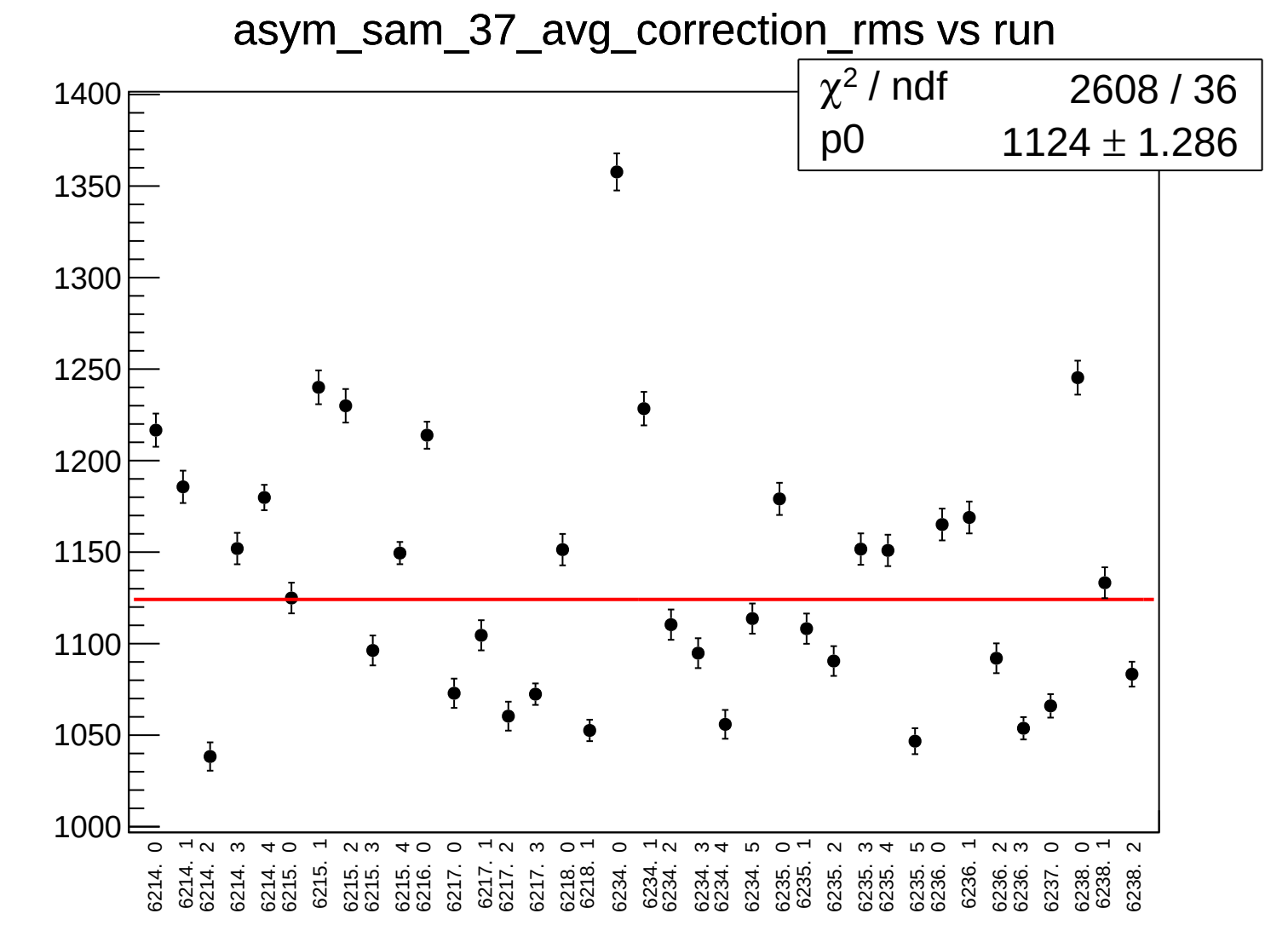

asym_sam_26_avg_rms vs run
χ² / ndf 2410 / 36
p0 1291 ± 1.477
1500
1450
1400
1350
1300
1250
1200
1150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

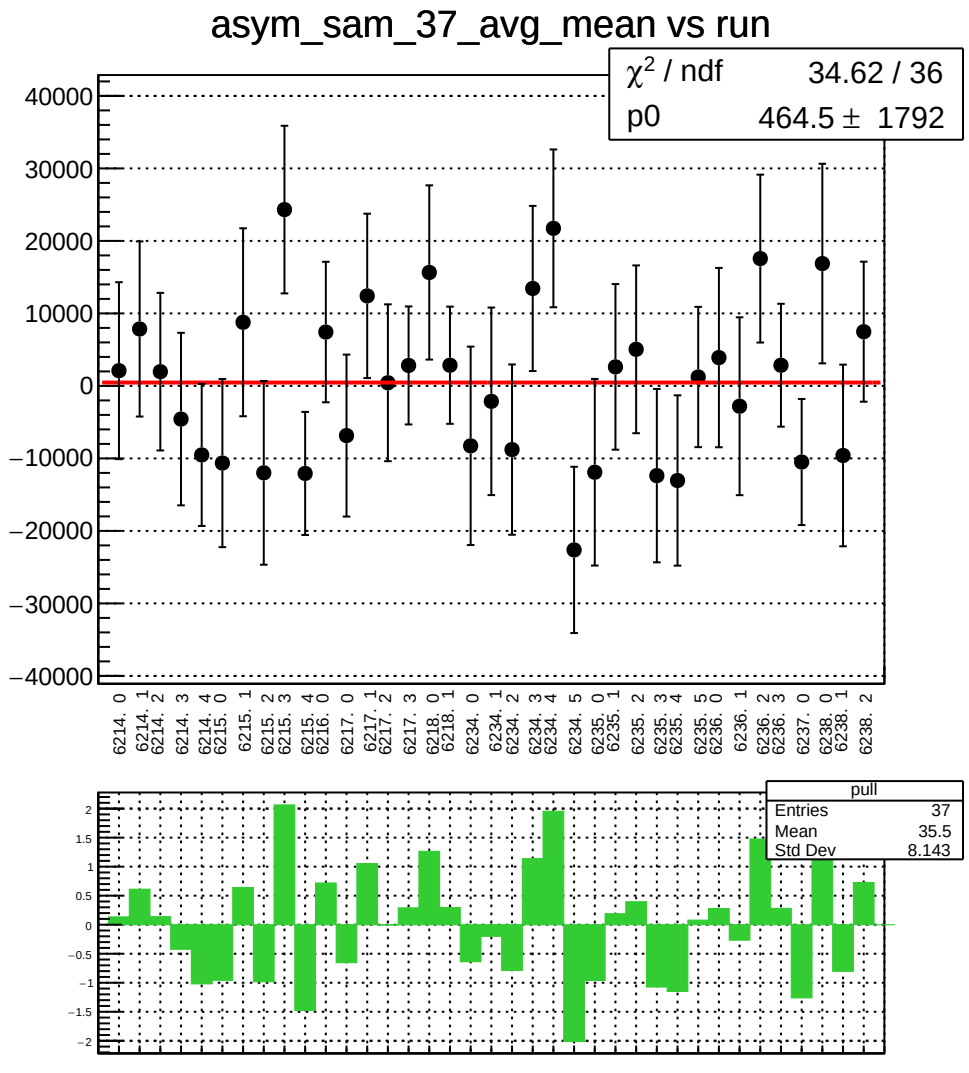

dit_asym_sam_37_avg_mean vs run
χ² / ndf 35.53 / 36
p0 206.2 ± 160.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 10.43
Std Dev 11.16
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

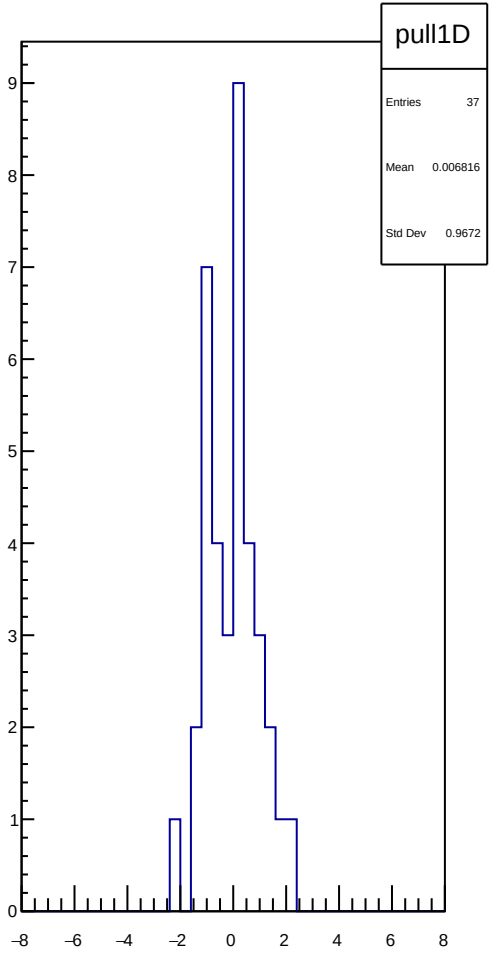

pull1D
Entries 37
Mean −0.04797
Std Dev 0.9788
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

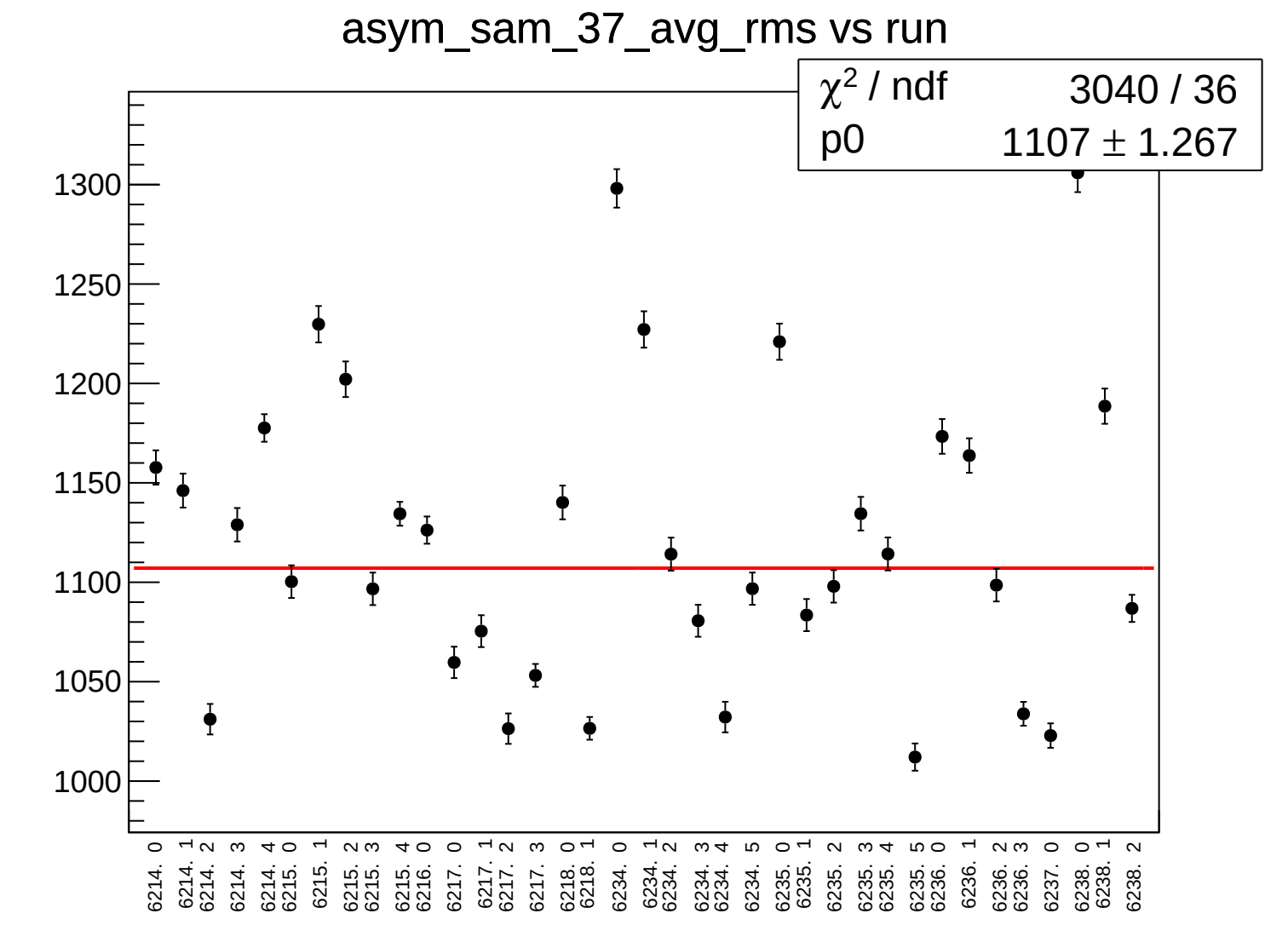

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.112e+04 / 36
p0 97.93 ± 0.1134
180
160
140
120
100
80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

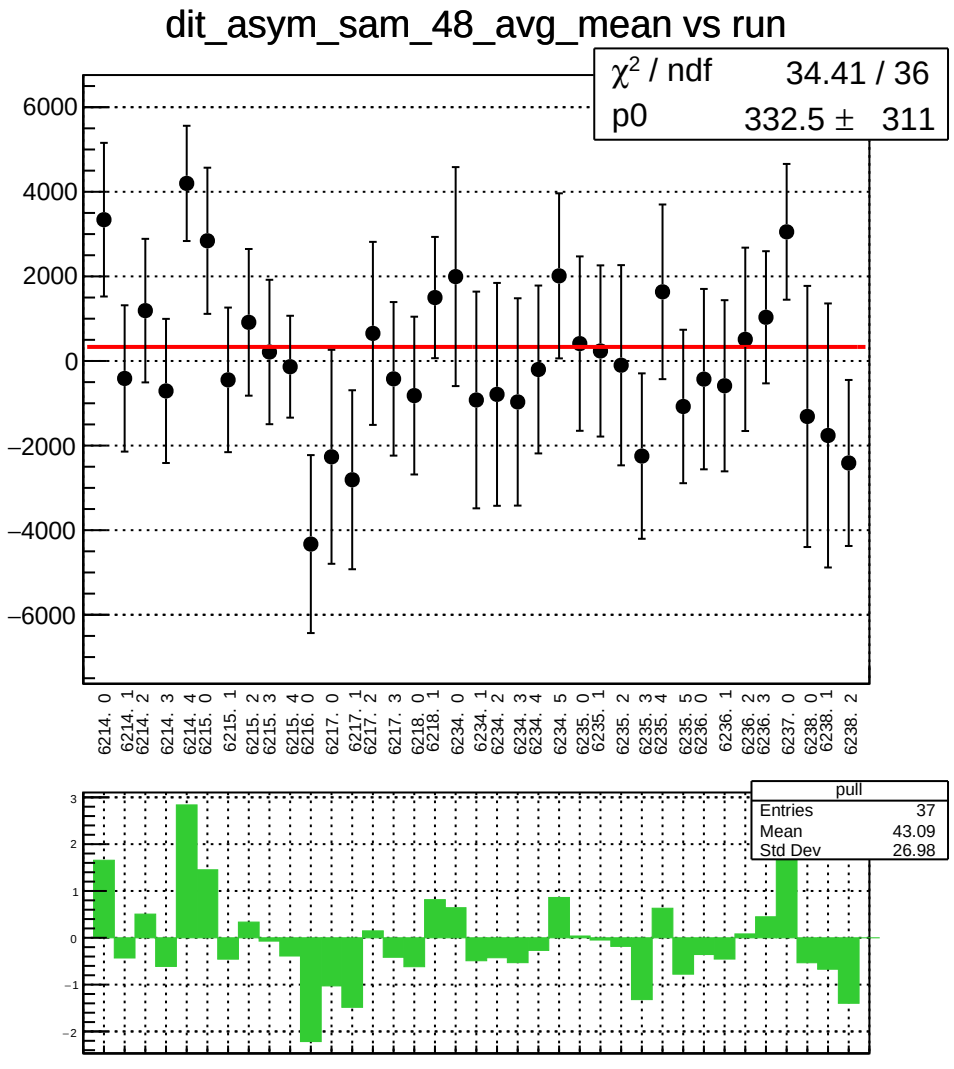

asym_sam_37_avg_correction_mean vs run
χ² / ndf 36.56 / 36
p0 −349.2 ± 1819
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 32.36
Std Dev 10.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.007189
Std Dev 0.994
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

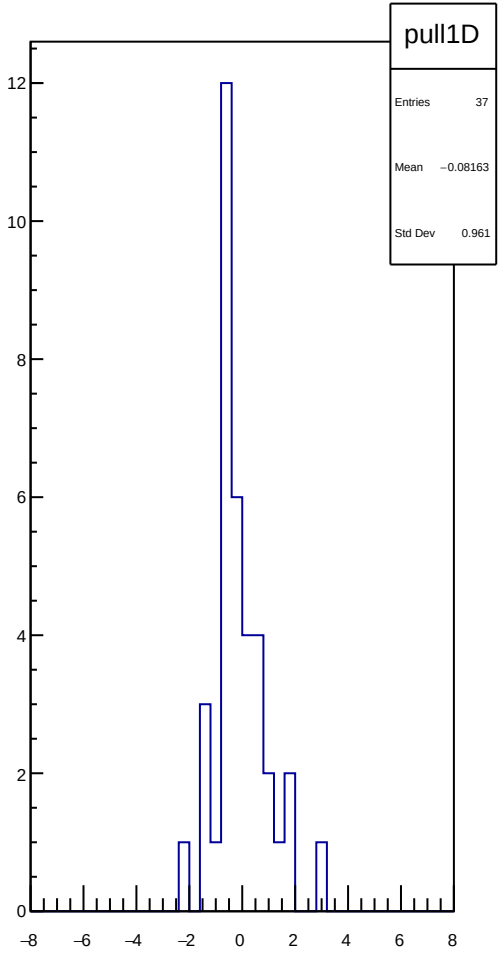

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2608 / 36
p0 1124 ± 1.286
1400
1350
1300
1250
1200
1150
1100
1050
1000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

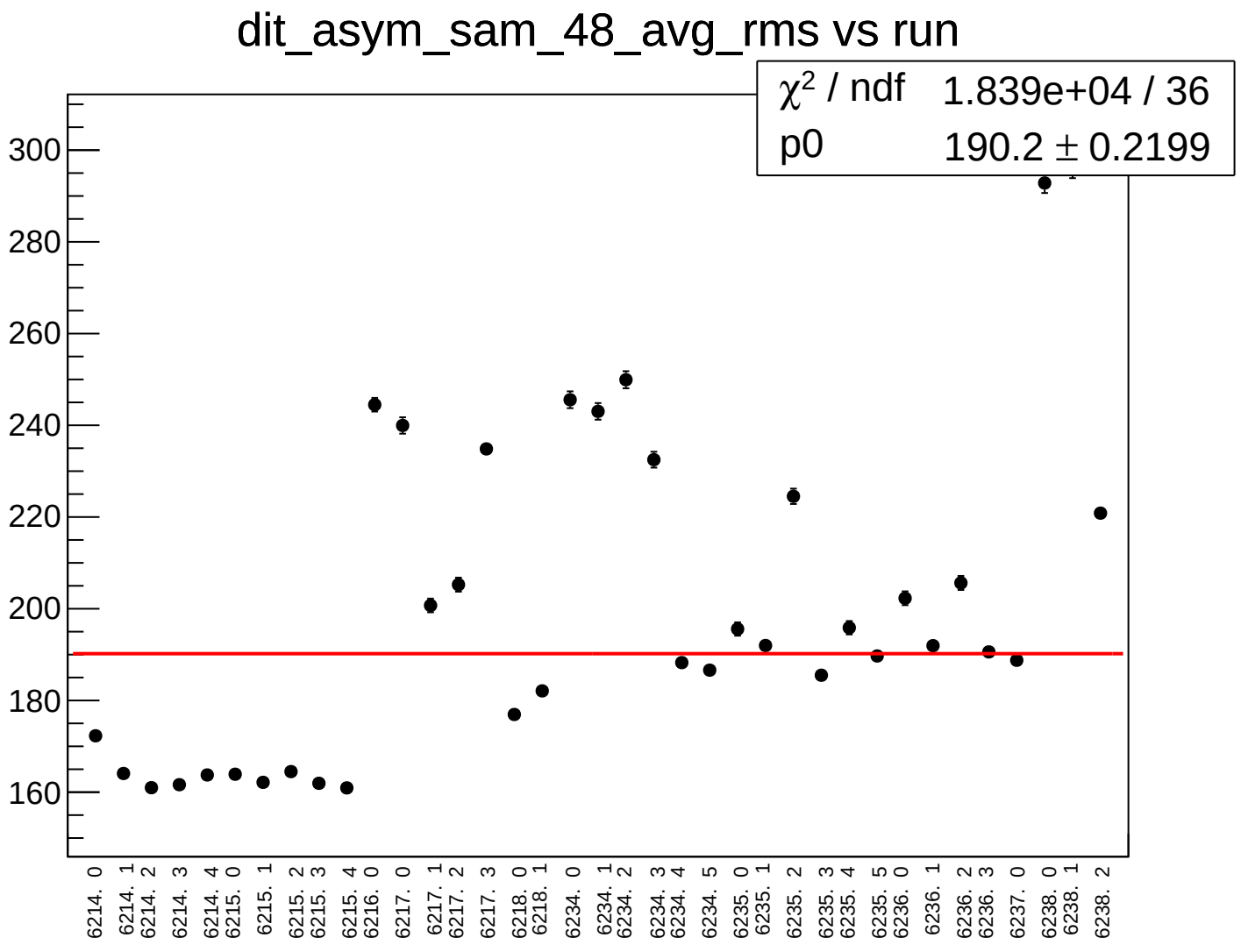

asym_sam_37_avg_mean vs run
χ² / ndf 34.62 / 36
p0 464.5 ± 1792
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 35.5
Std Dev 8.143
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

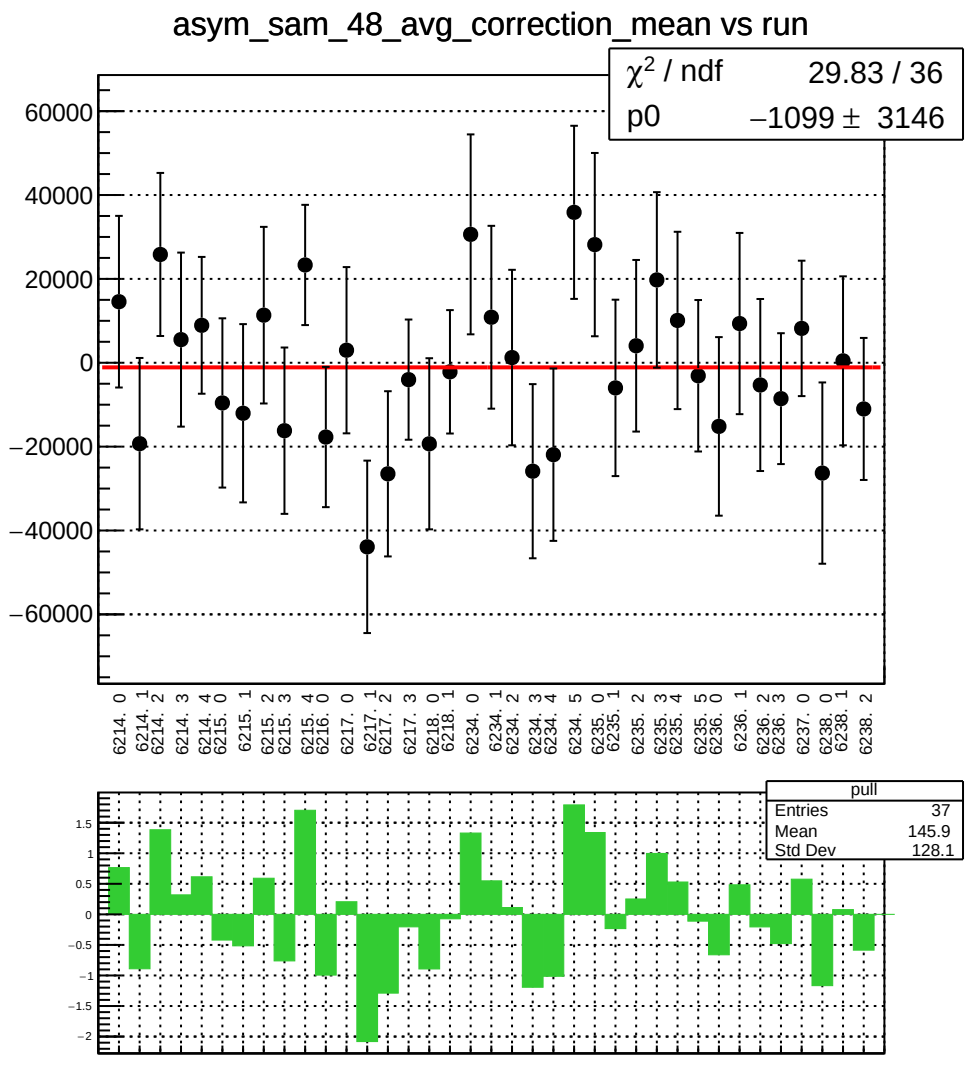

pull1D
Entries 37
Mean 0.006816
Std Dev 0.9672
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

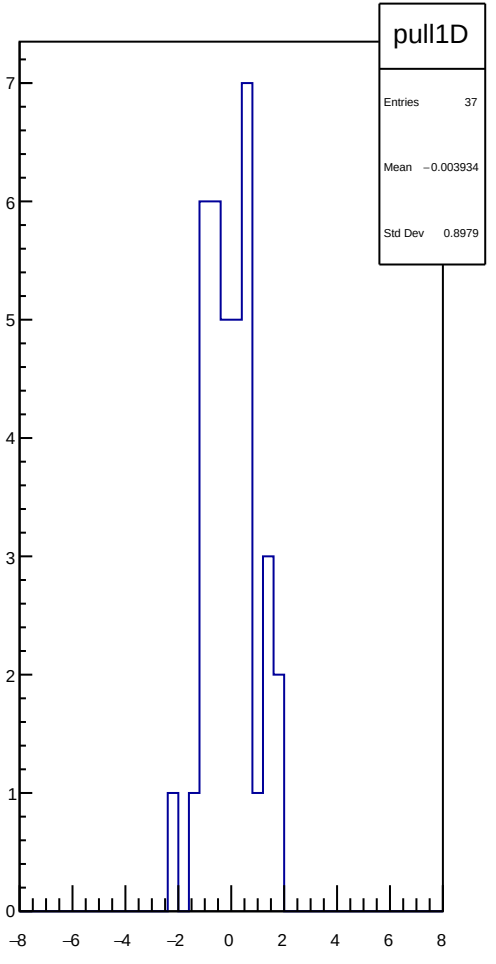

asym_sam_37_avg_rms vs run
χ² / ndf 3040 / 36
p0 1107 ± 1.267
1300
1250
1200
1150
1100
1050
1000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

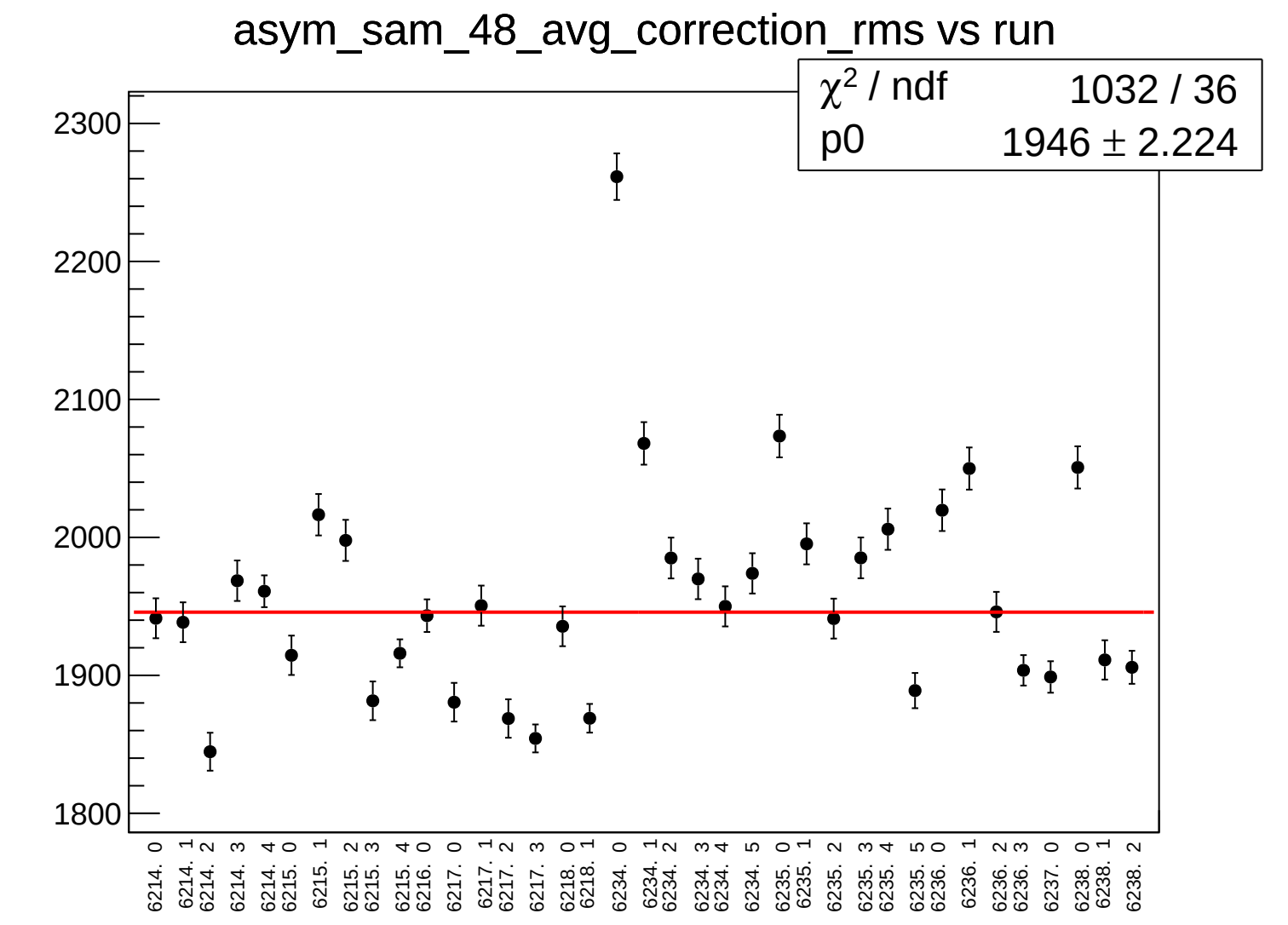

dit_asym_sam_48_avg_mean vs run
χ² / ndf 34.41 / 36
p0 332.5 ± 311
6000
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 43.09
Std Dev 26.98
3
2
1
0
−1
−2

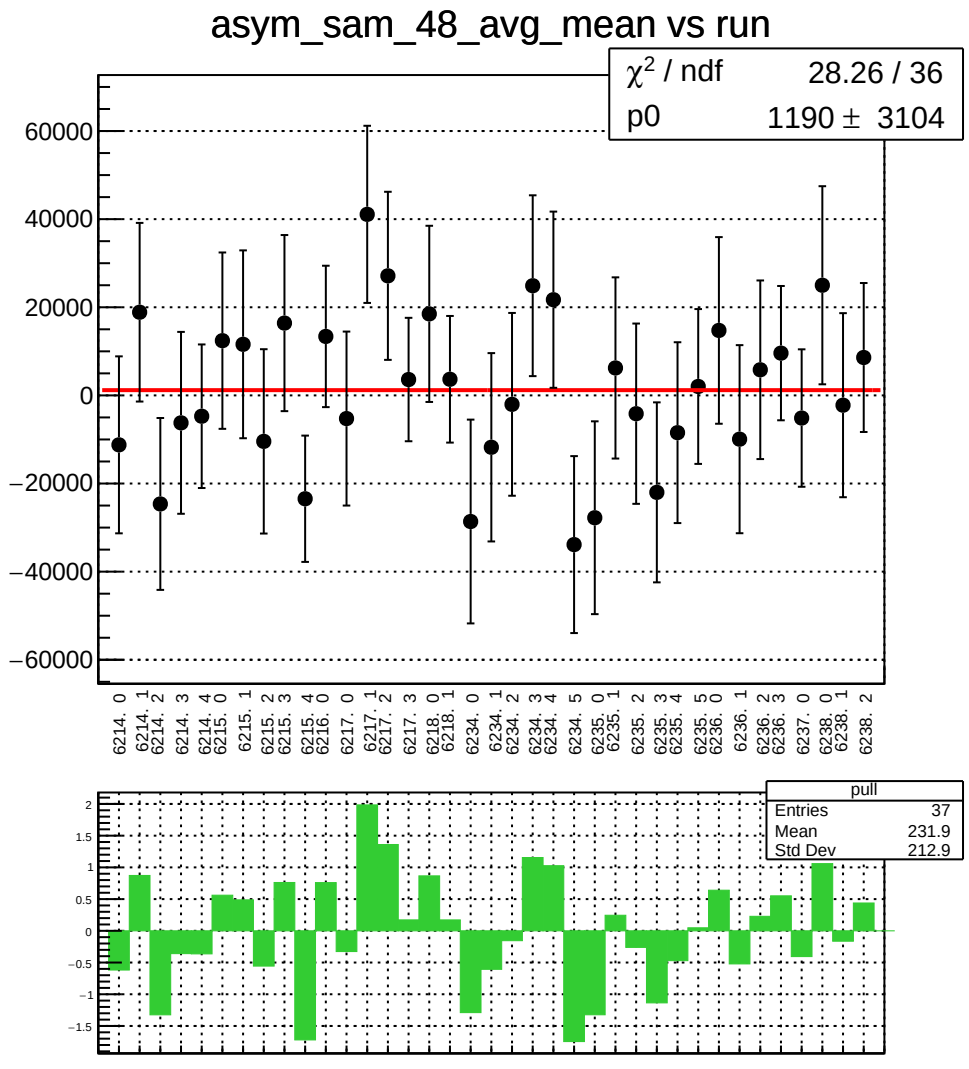

pull1D
Entries 37
Mean −0.08163
Std Dev 0.961
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

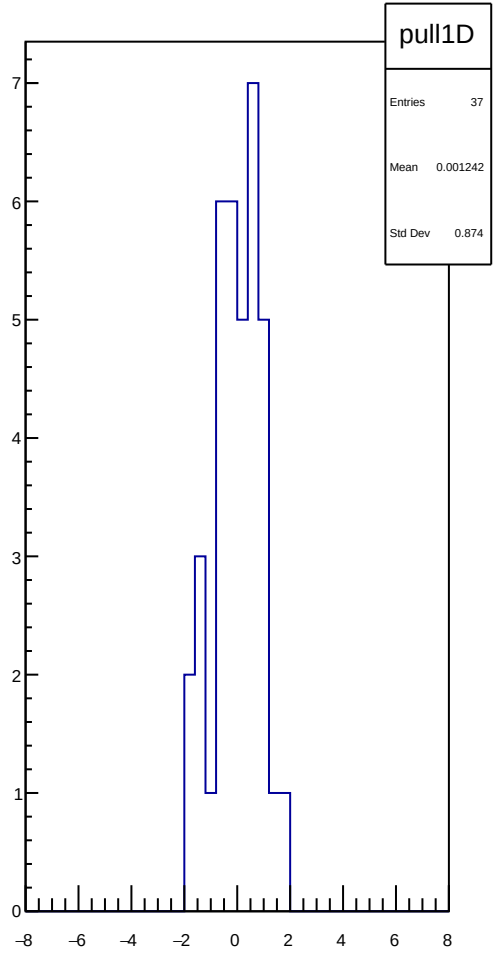

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.839e+04 / 36
p0 190.2 ± 0.2199
300
280
260
240
220
200
180
160
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

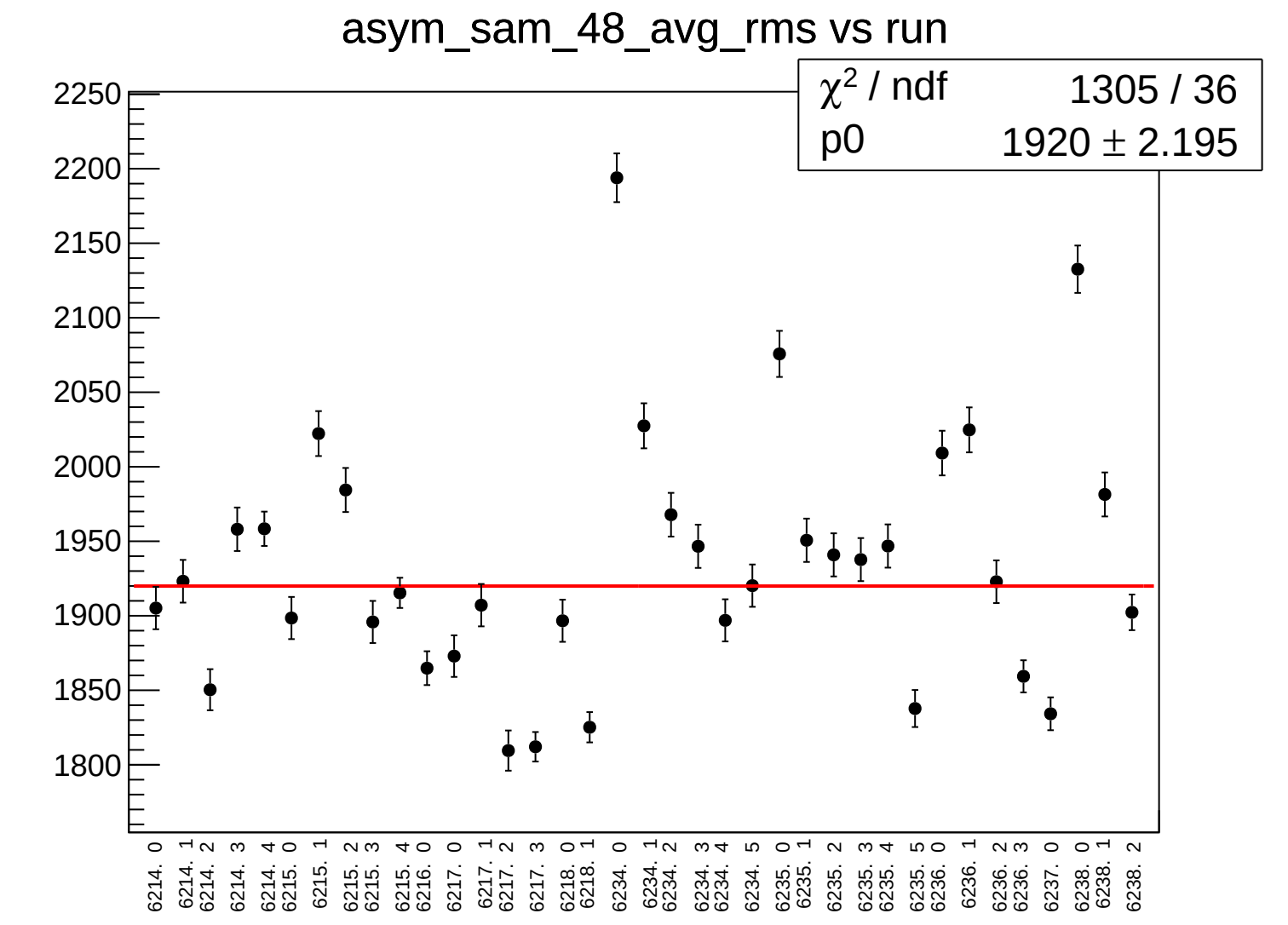

asym_sam_48_avg_correction_mean vs run
χ² / ndf 29.83 / 36
p0 −1099 ± 3146
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 145.9
Std Dev 128.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

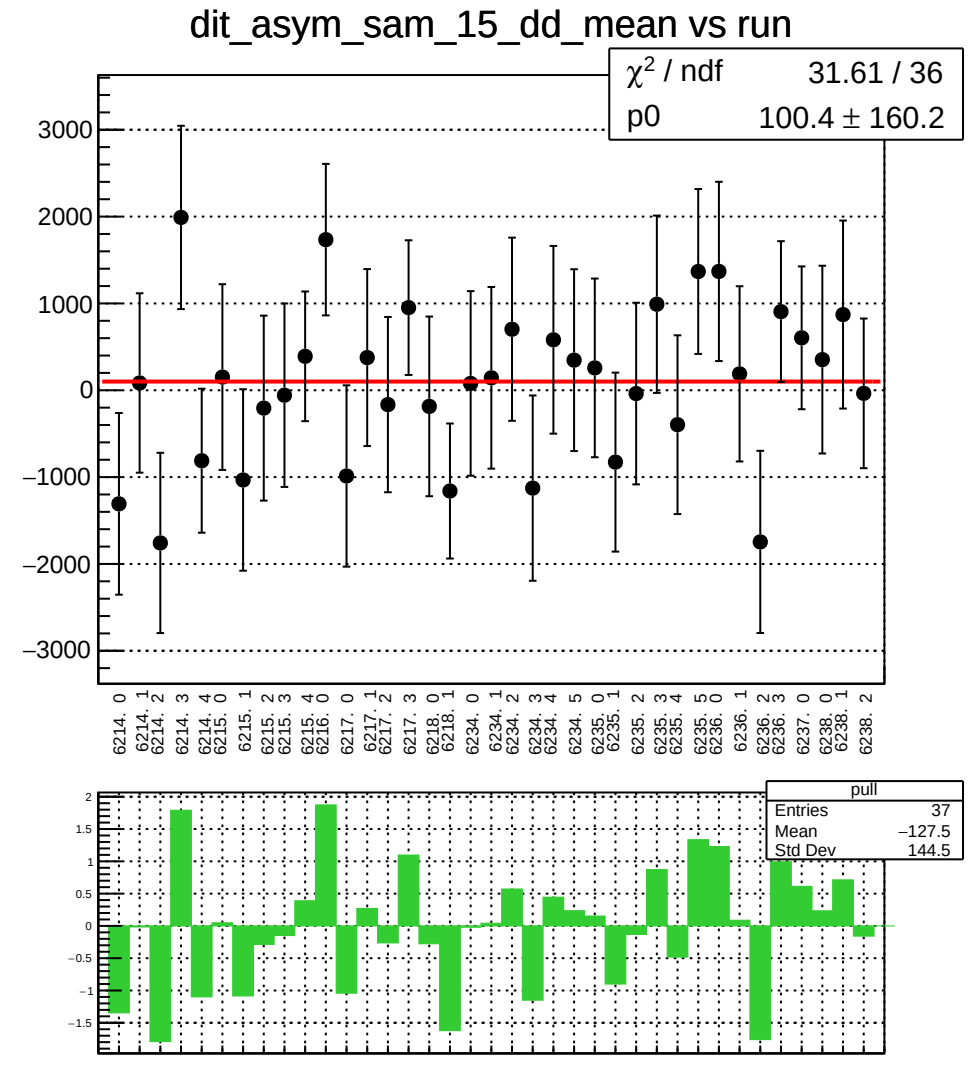

pull1D
Entries 37
Mean −0.003934
Std Dev 0.8979
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

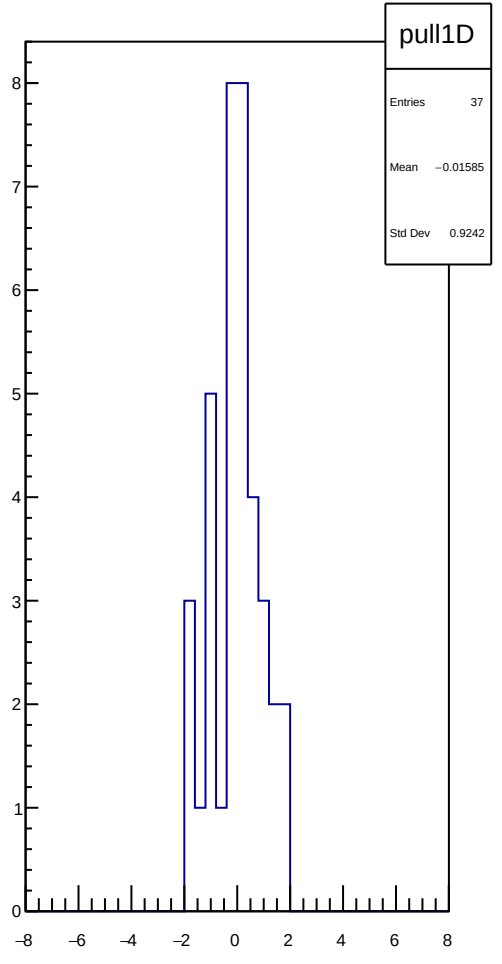

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1032 / 36
p0 1946 ± 2.224
2300
2200
2100
2000
1900
1800
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

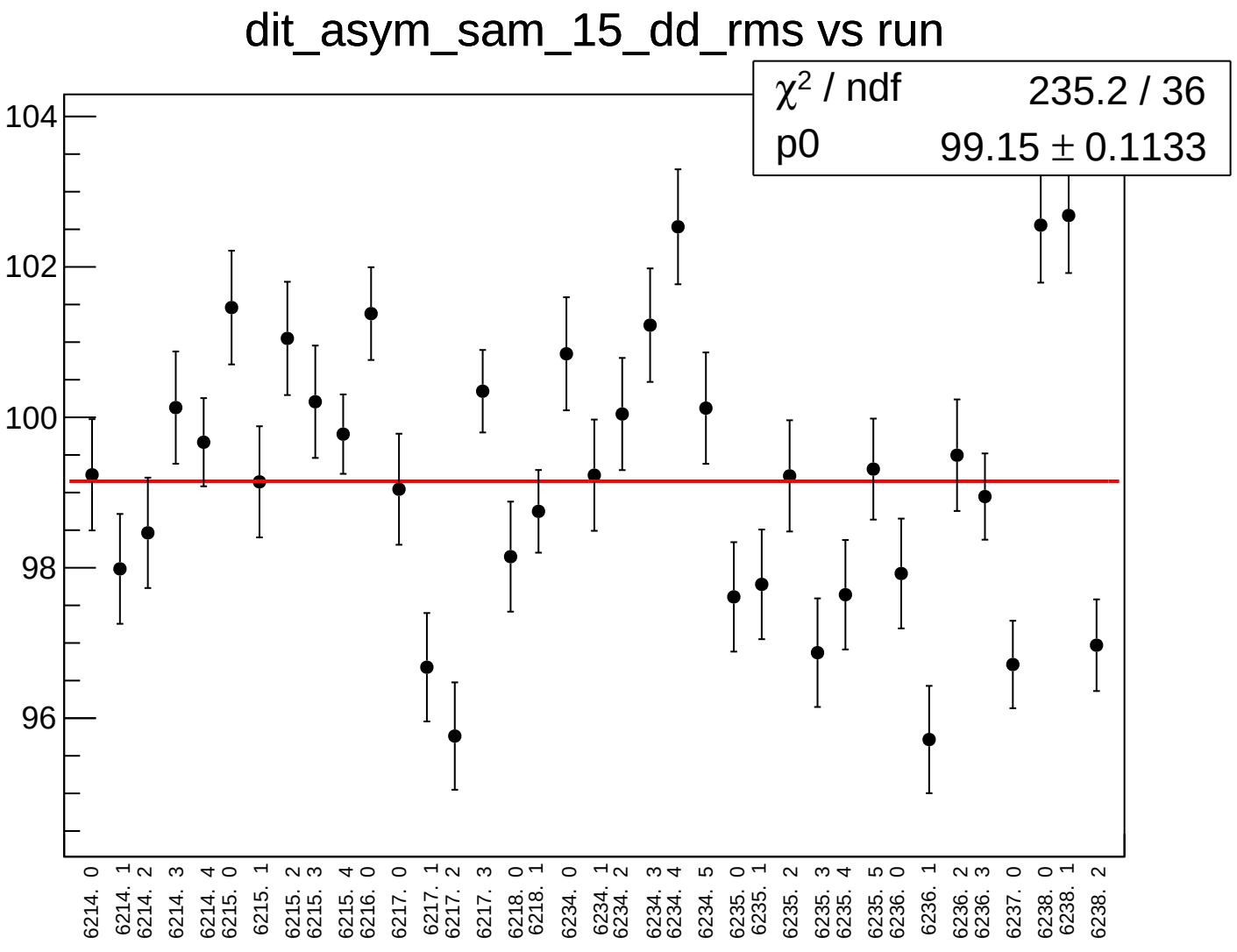

asym_sam_48_avg_mean vs run
χ² / ndf 28.26 / 36
p0 1190 ± 3104
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 231.9
Std Dev 212.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

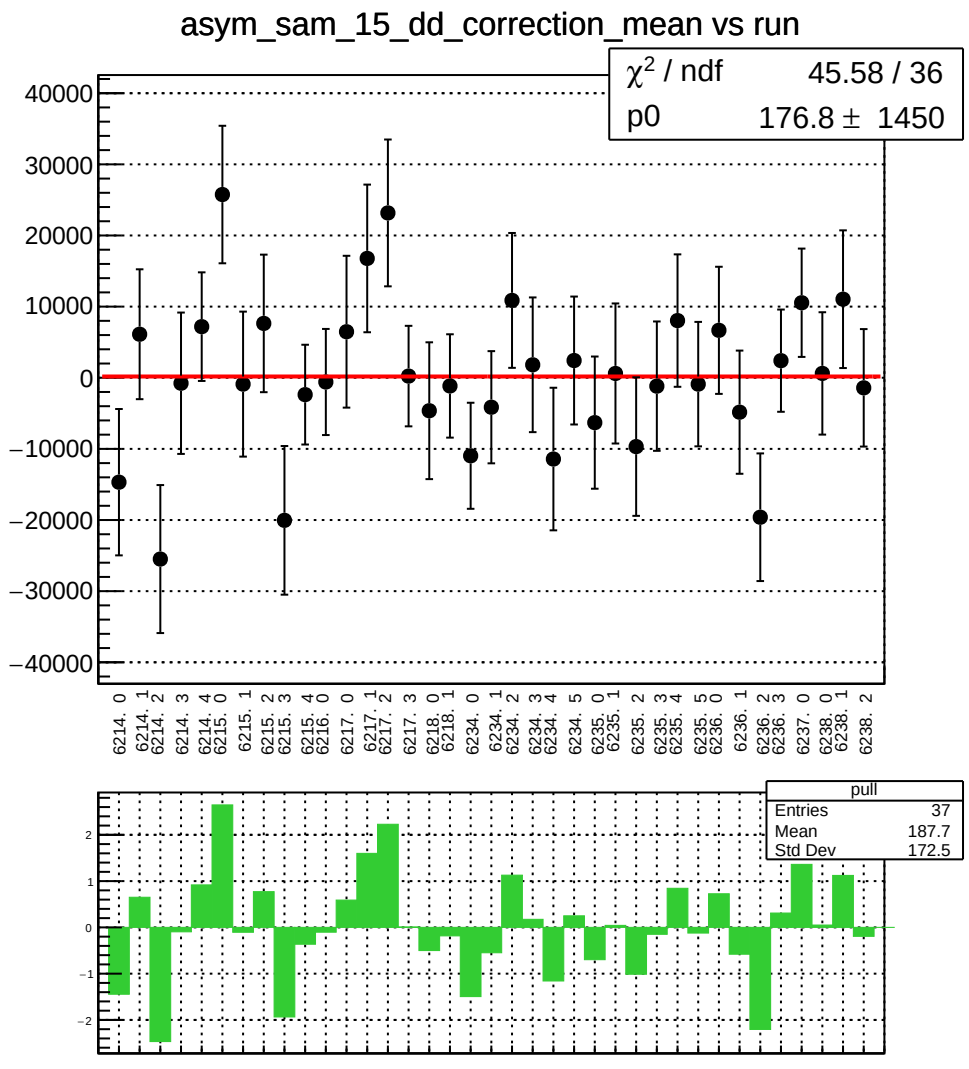

pull1D
Entries 37
Mean 0.001242
Std Dev 0.874
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

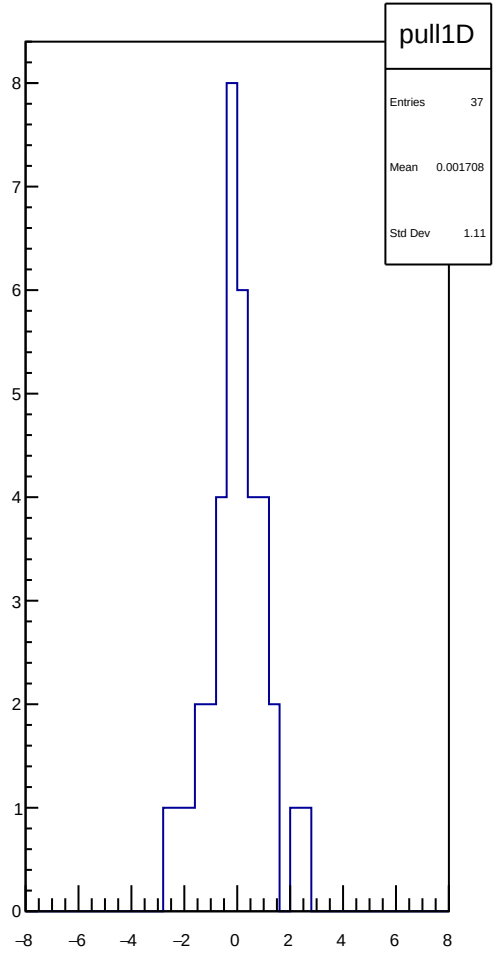

asym_sam_48_avg_rms vs run
χ² / ndf 1305 / 36
p0 1920 ± 2.195
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

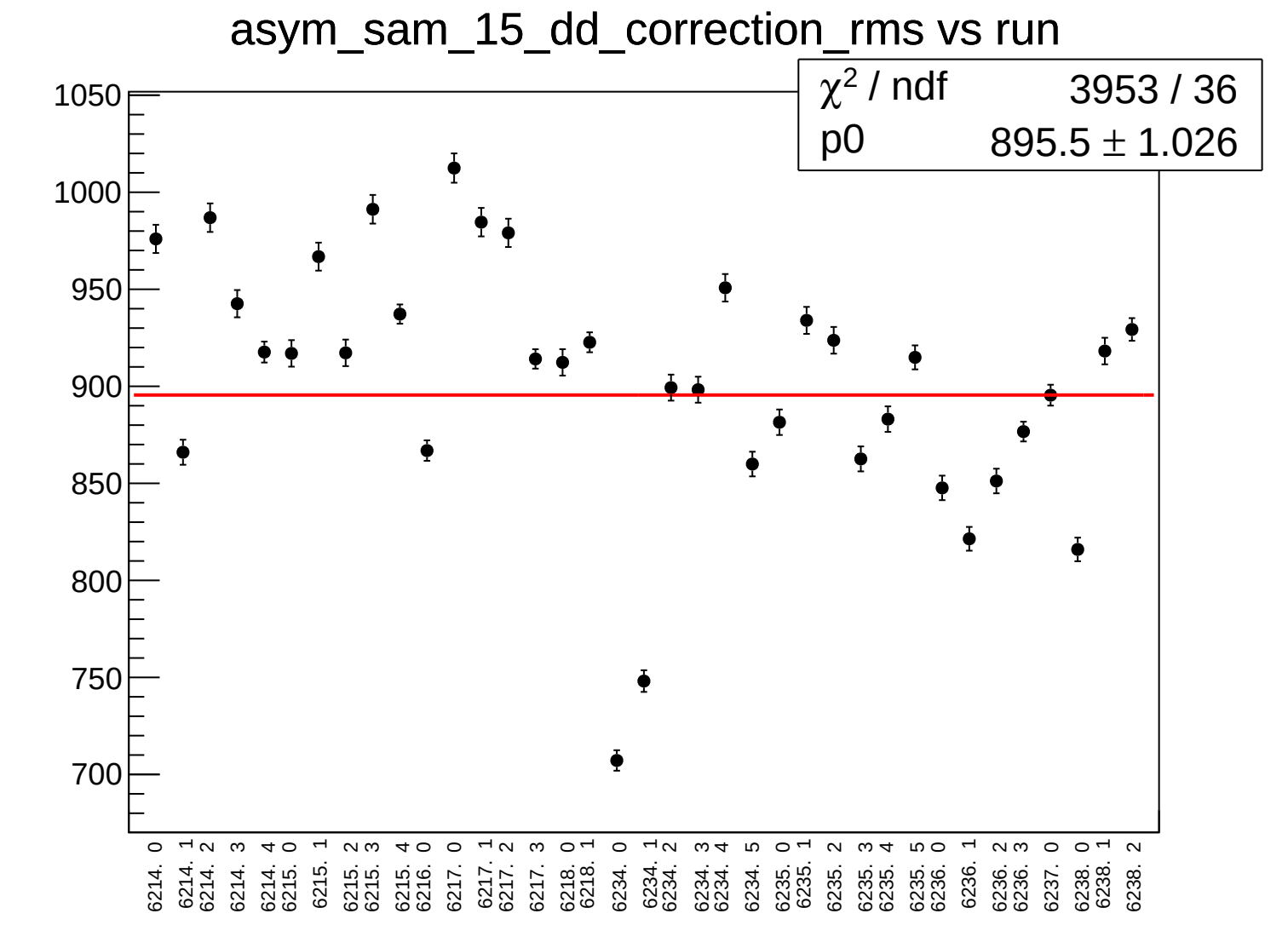

dit_asym_sam_15_dd_mean vs run
χ² / ndf 31.61 / 36
p0 100.4 ± 160.2
3000
2000
1000
0
−1000
−2000
−3000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −127.5
Std Dev 144.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

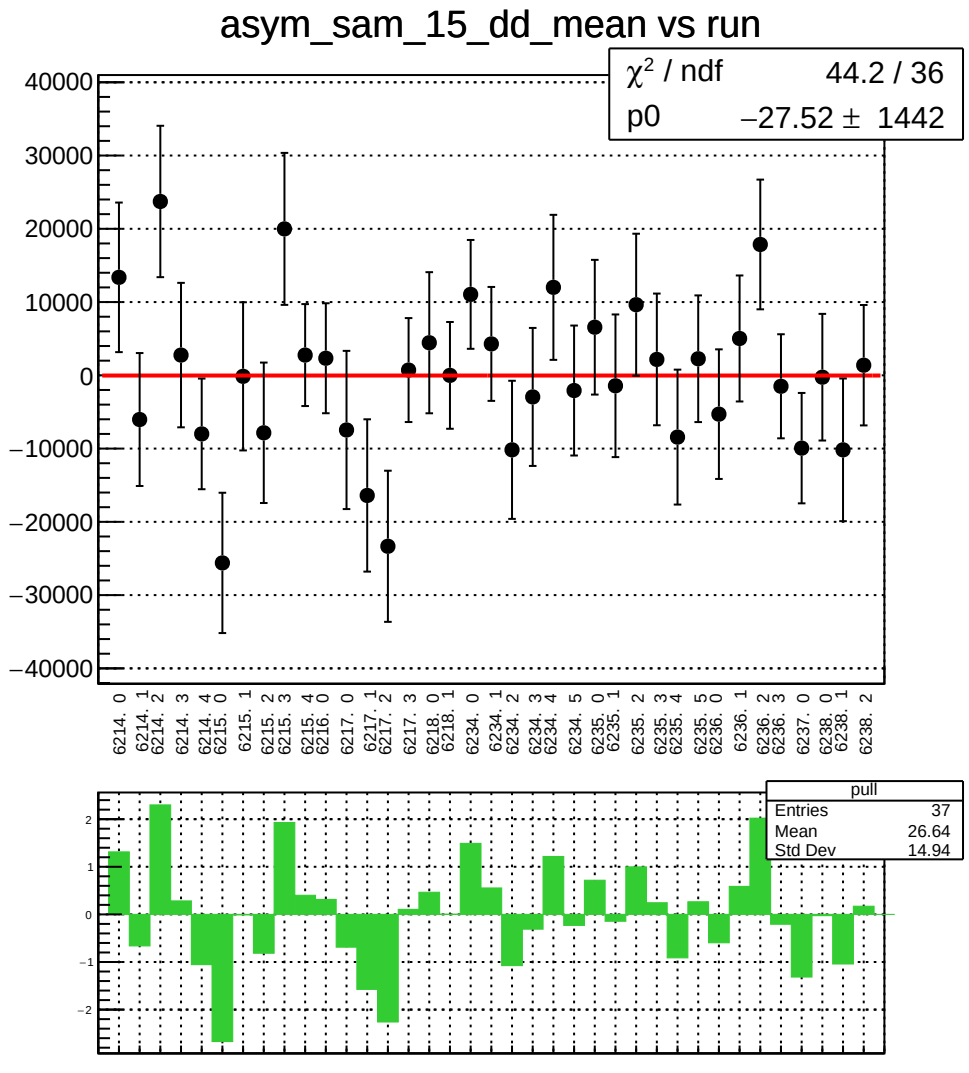

pull1D
Entries 37
Mean −0.01585
Std Dev 0.9242
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

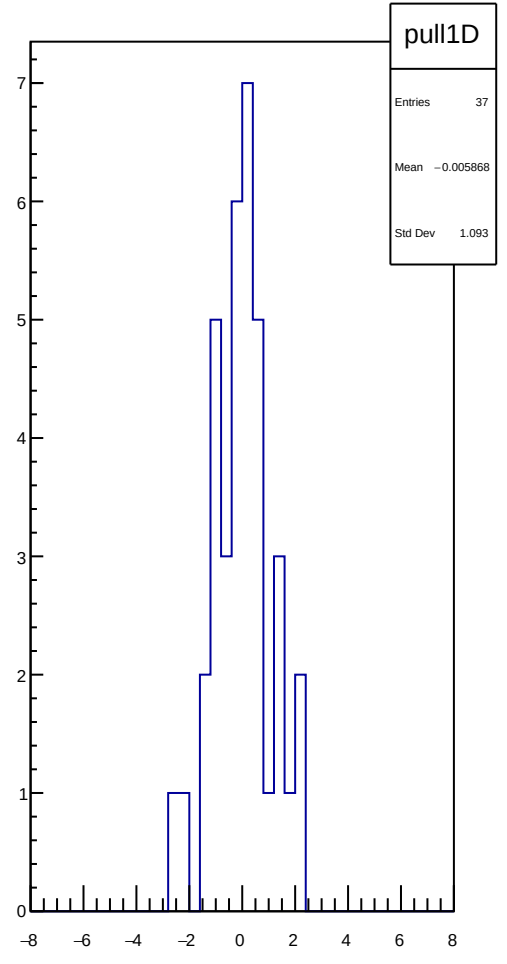

dit_asym_sam_15_dd_rms vs run
χ² / ndf 235.2 / 36
p0 99.15 ± 0.1133
104
102
100
98
96
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

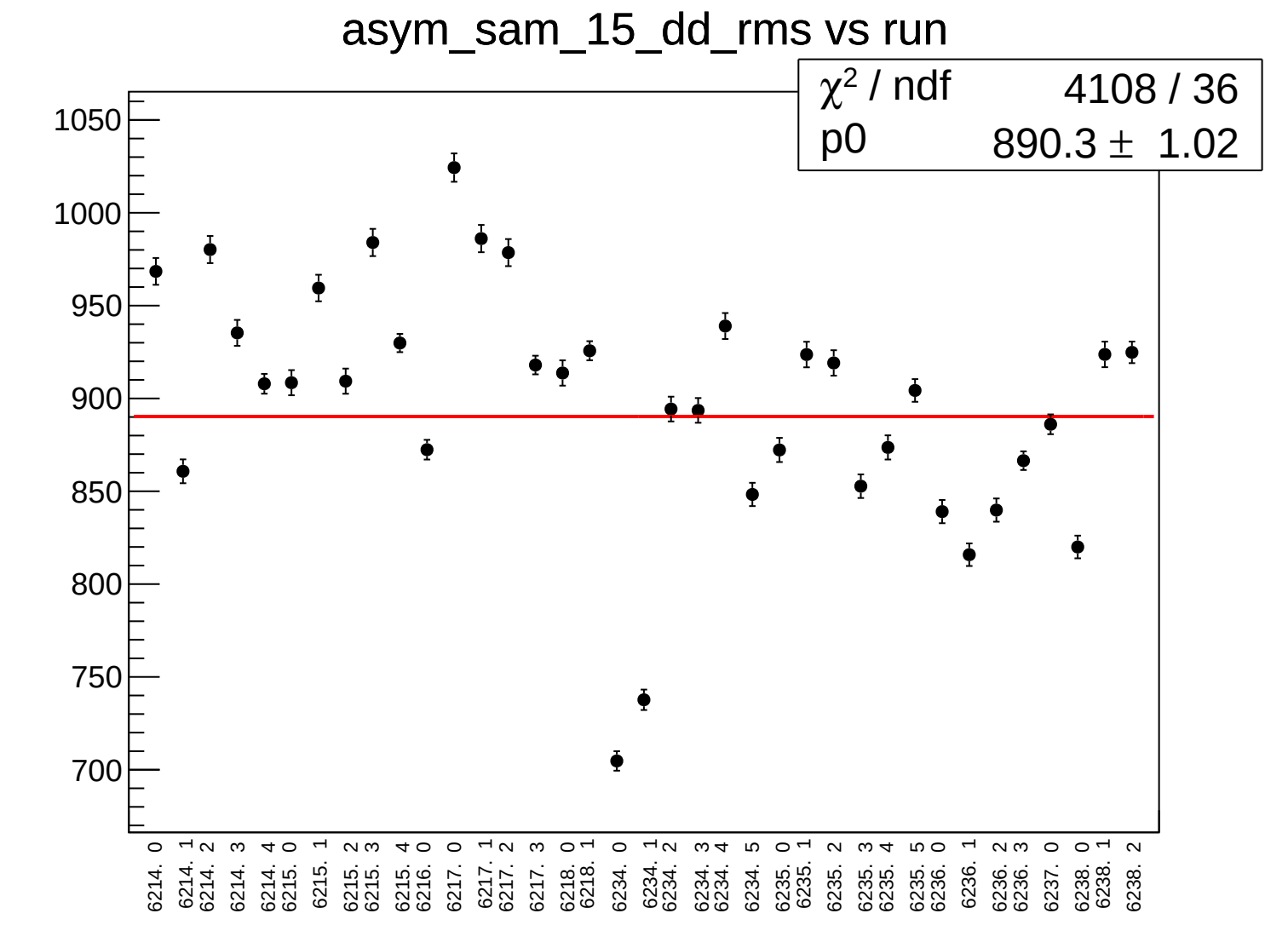

asym_sam_15_dd_correction_mean vs run
χ² / ndf 45.58 / 36
p0 176.8 ± 1450
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 187.7
Std Dev 172.5
2
1
0
−1
−2

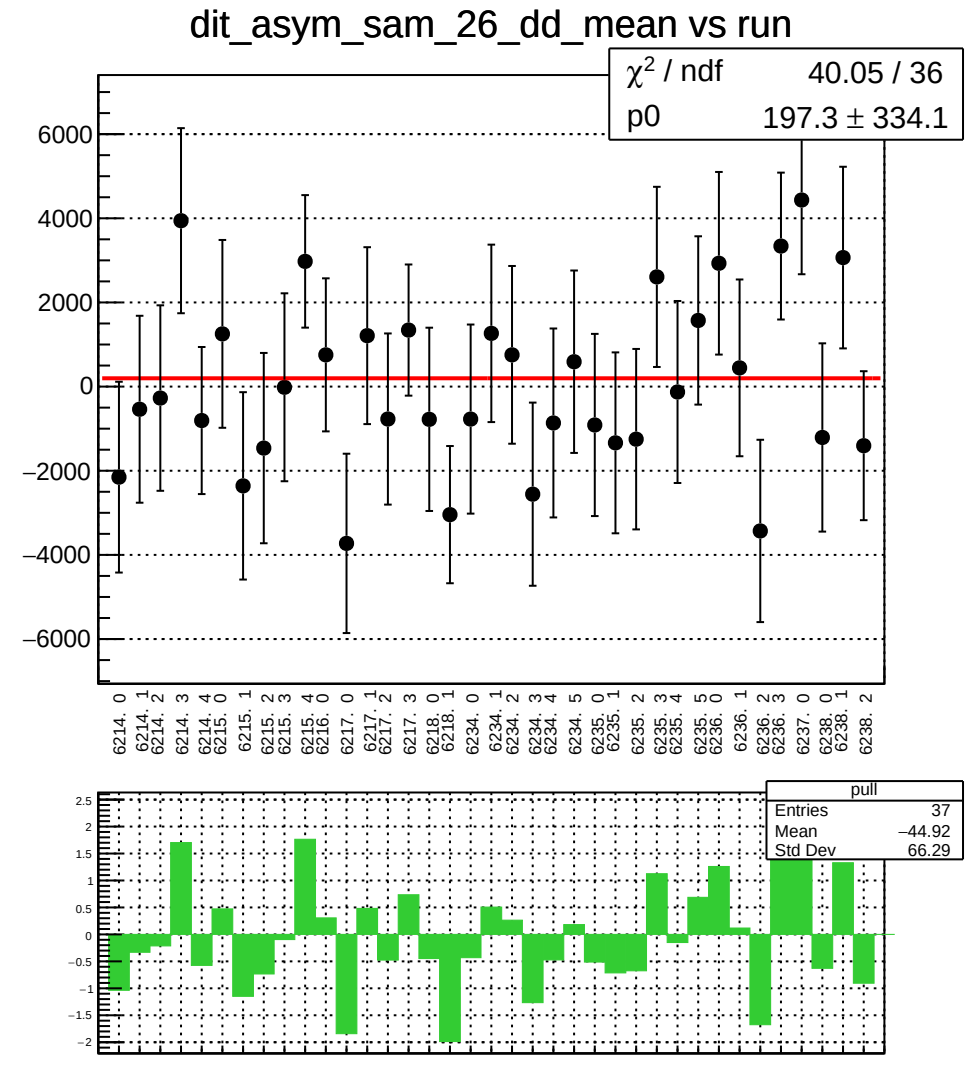

pull1D
Entries 37
Mean 0.001708
Std Dev 1.11
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

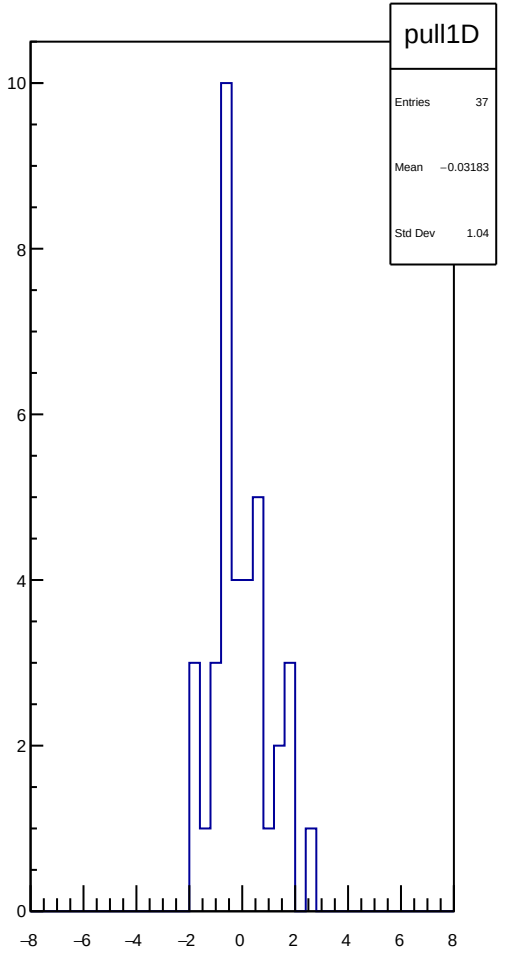

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3953 / 36
p0 895.5 ± 1.026
1050
1000
950
900
850
800
750
700
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

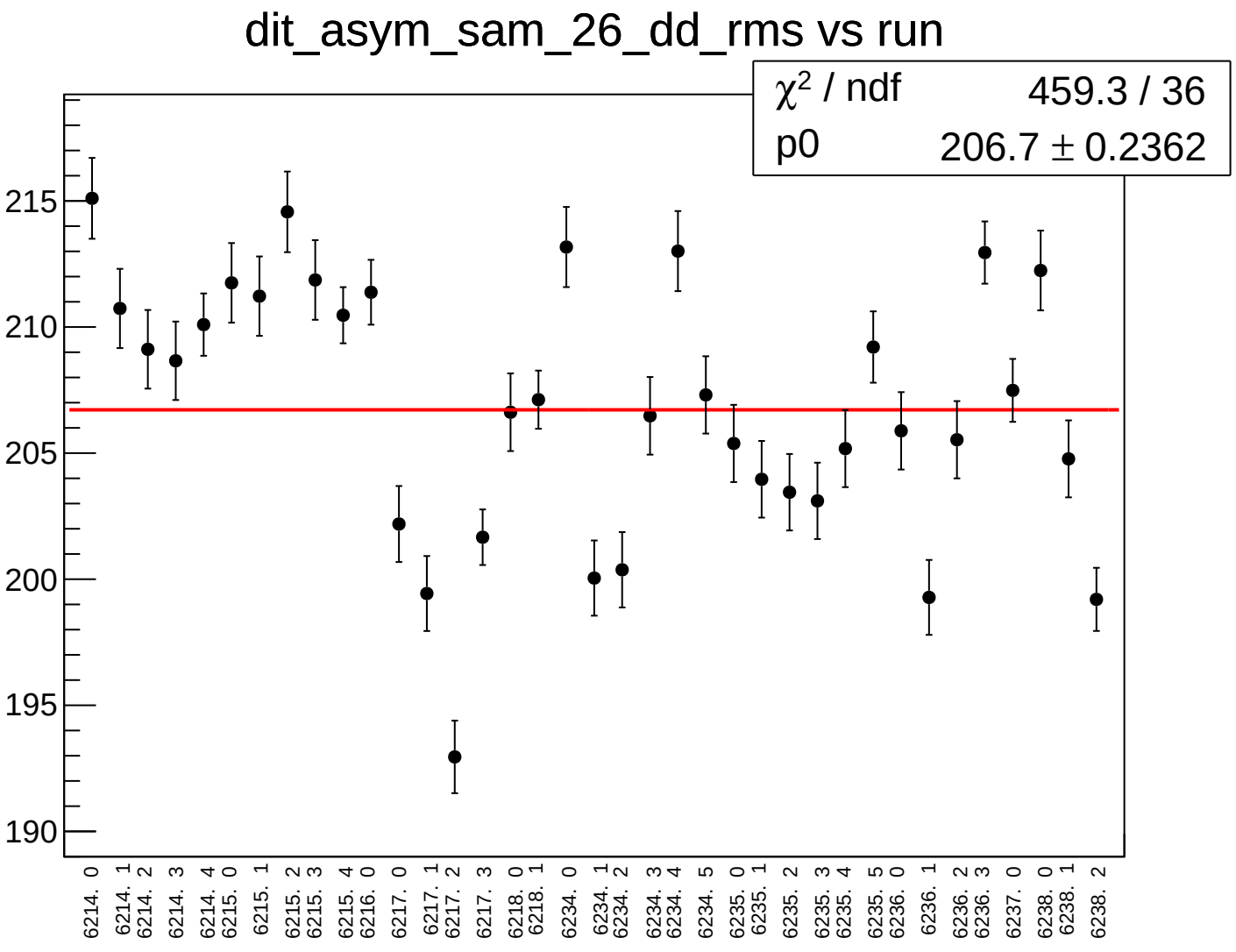

asym_sam_15_dd_mean vs run
χ² / ndf 44.2 / 36
p0 −27.52 ± 1442
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 26.64
Std Dev 14.94
2
1
0
−1
−2

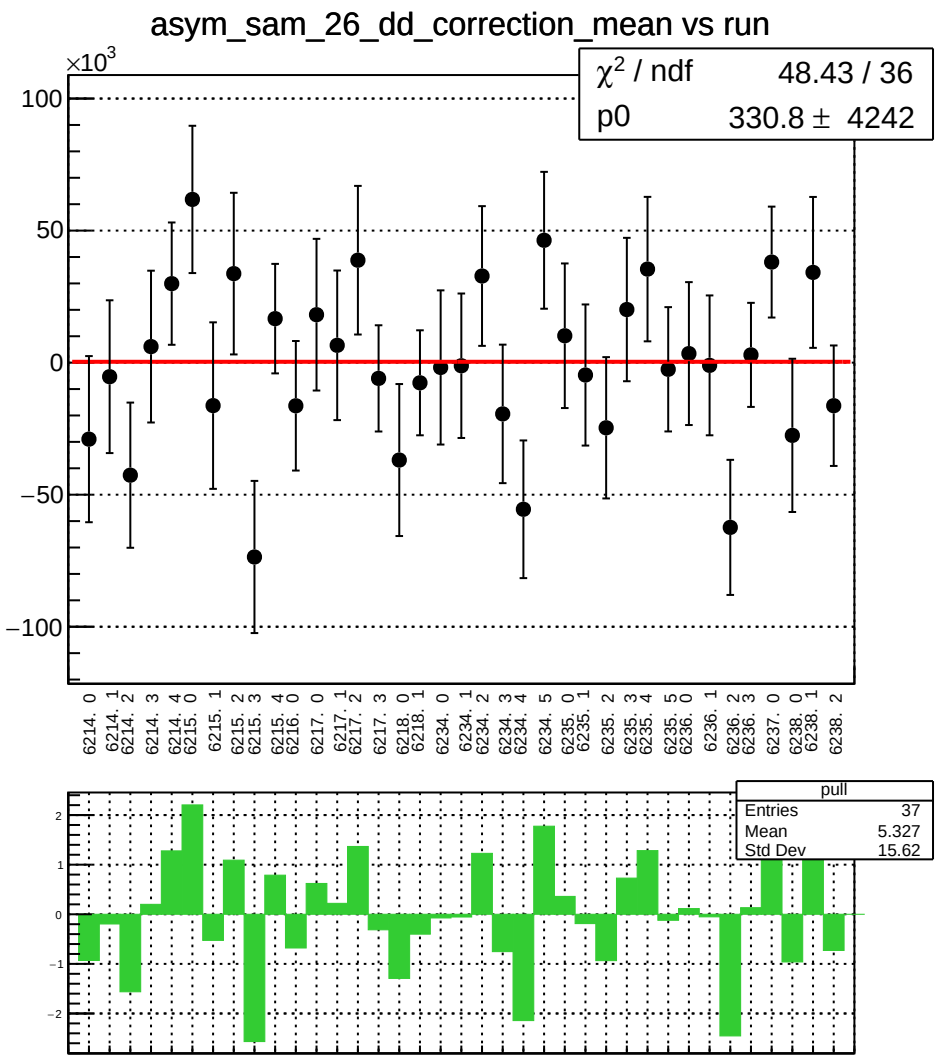

pull1D
Entries 37
Mean −0.005868
Std Dev 1.093
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

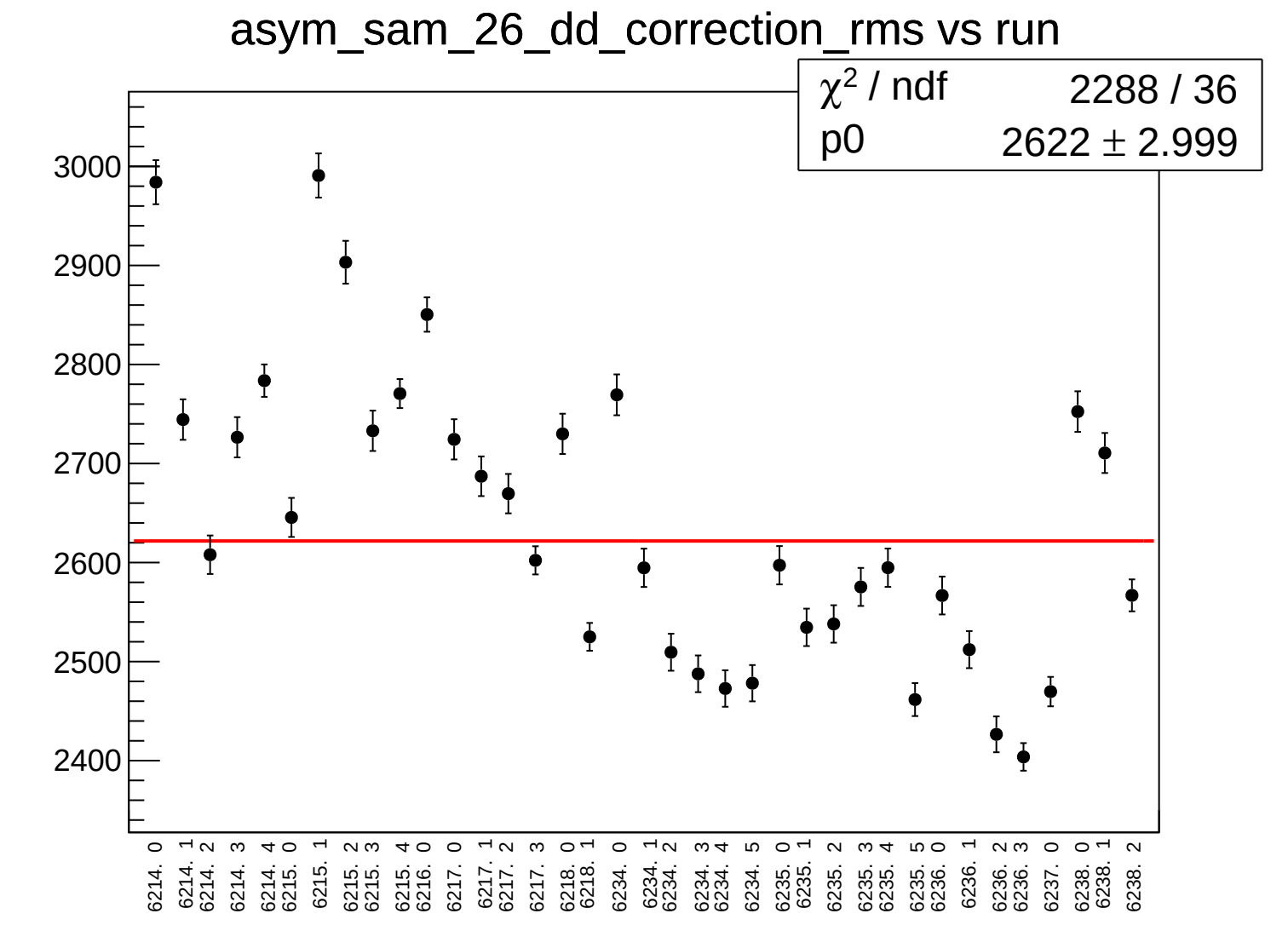

asym_sam_15_dd_rms vs run
χ² / ndf 4108 / 36
p0 890.3 ± 1.02
1050
1000
950
900
850
800
750
700
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

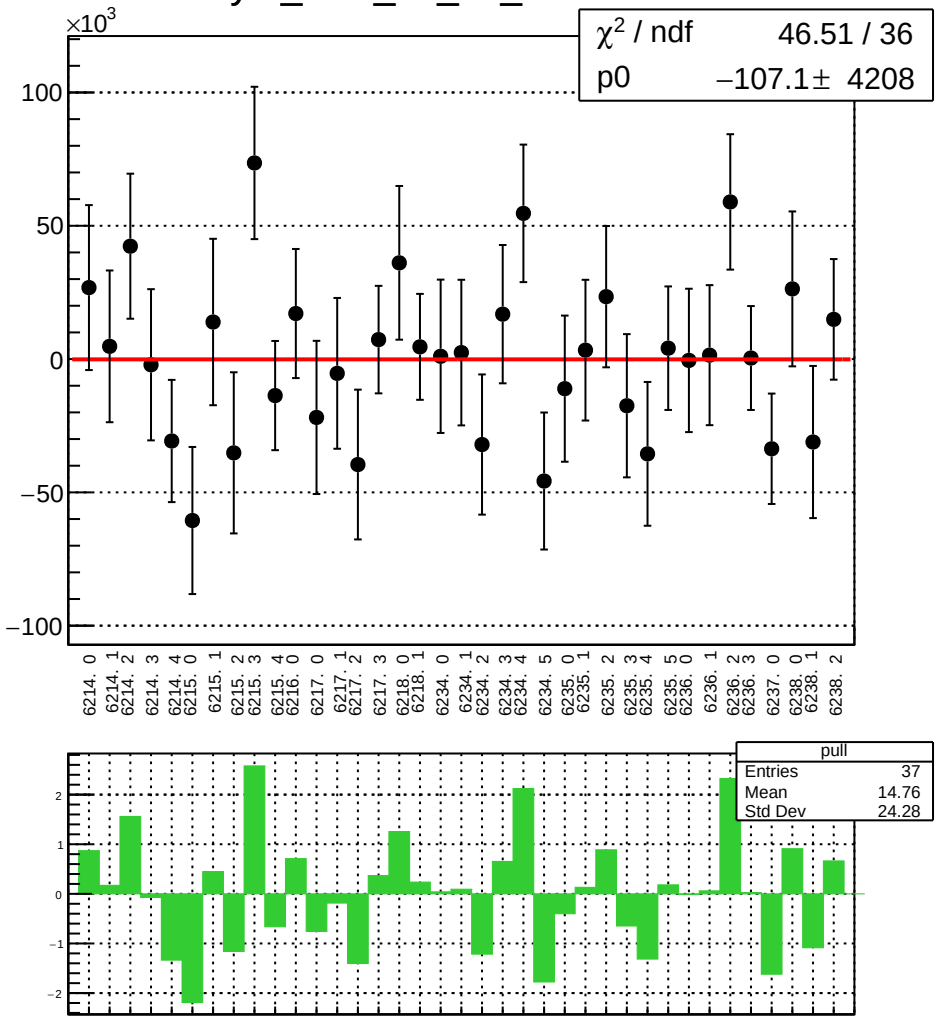

dit_asym_sam_26_dd_mean vs run
χ² / ndf 40.05 / 36
p0 197.3 ± 334.1
6000
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −44.92
Std Dev 66.29
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

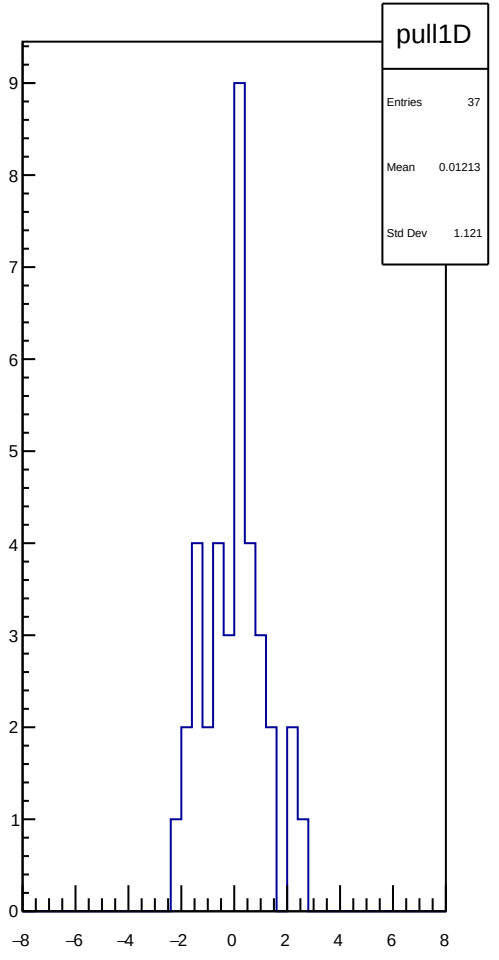

pull1D
Entries 37
Mean −0.03183
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

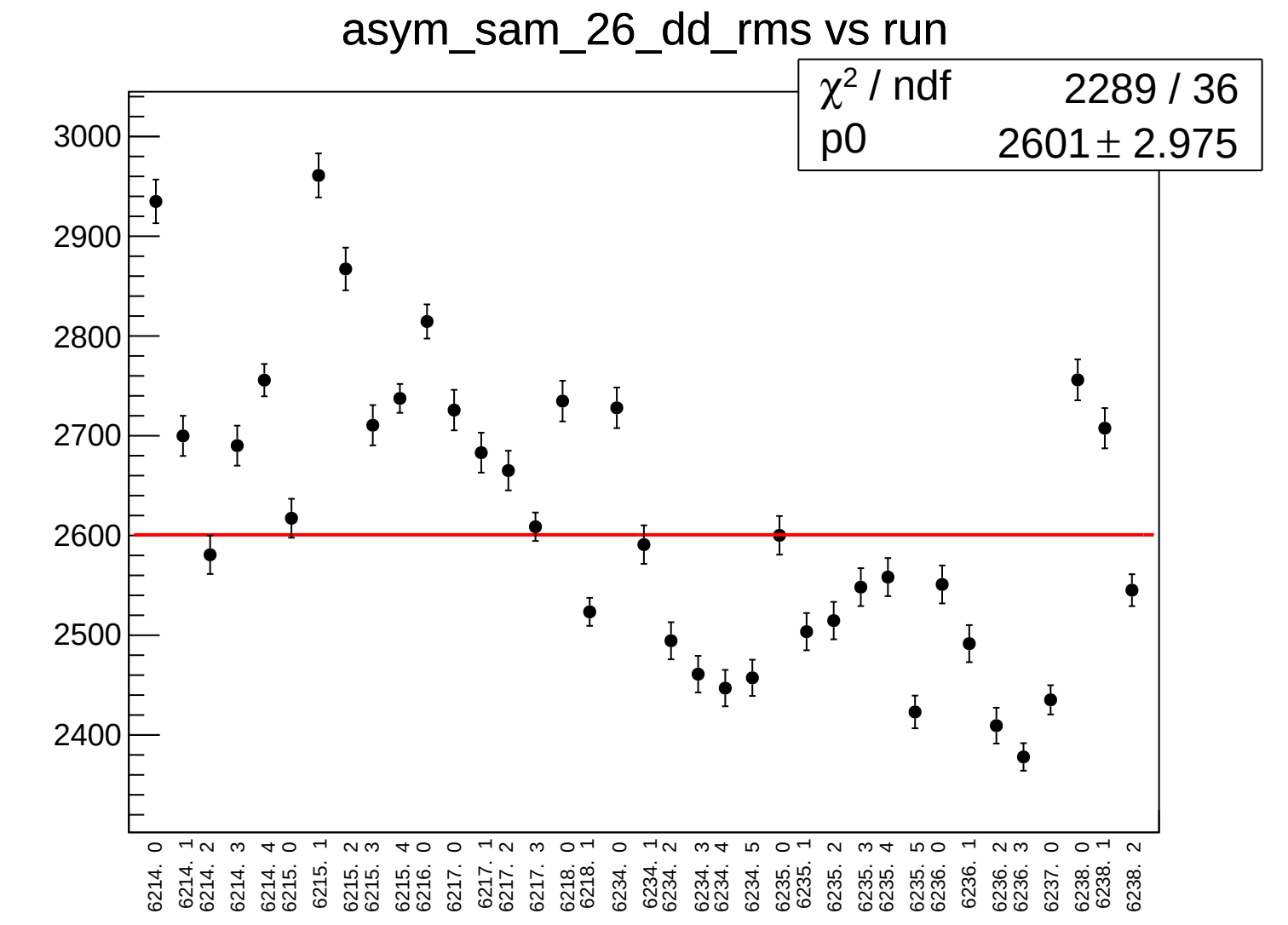

dit_asym_sam_26_dd_rms vs run
χ² / ndf 459.3 / 36
p0 206.7 ± 0.2362
215
210
205
200
195
190
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

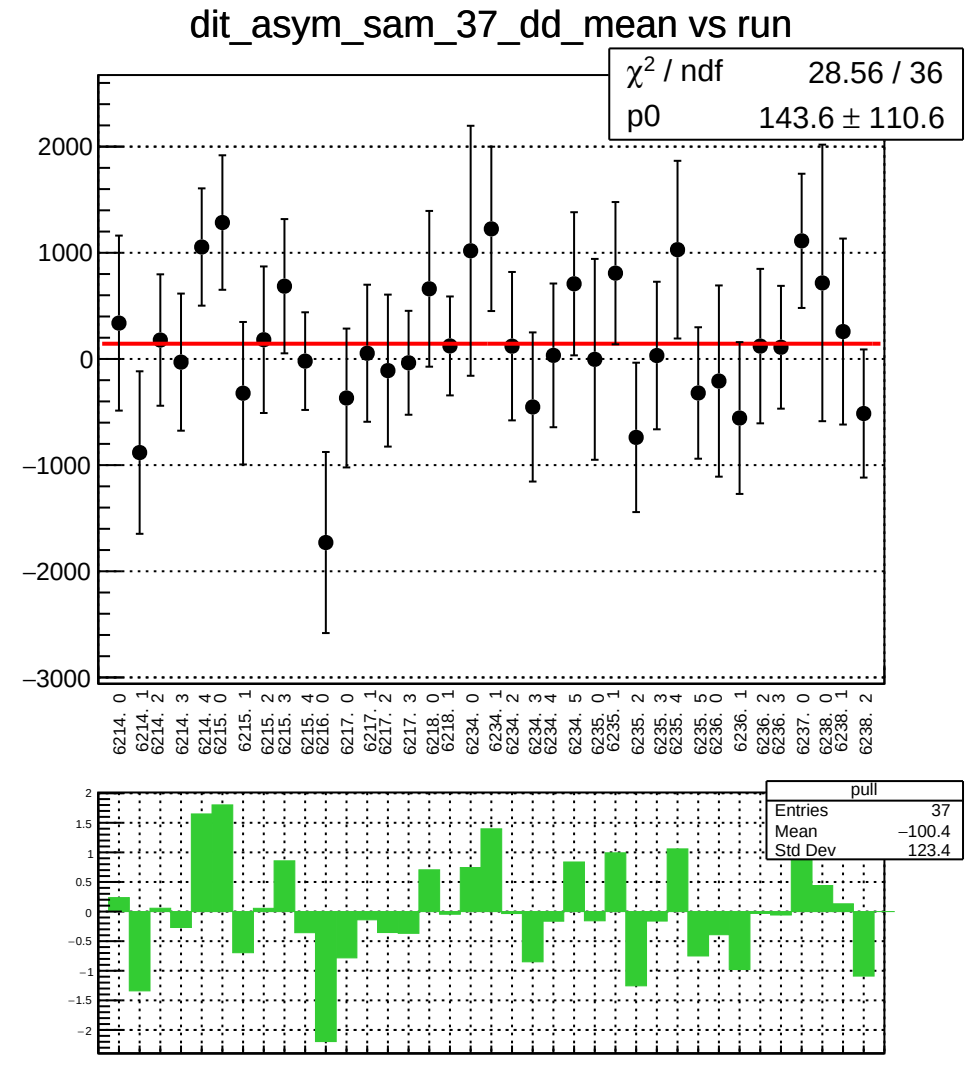

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 48.43 / 36
p0 330.8 ± 4242
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 5.327
Std Dev 15.62
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01494
Std Dev 1.144
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

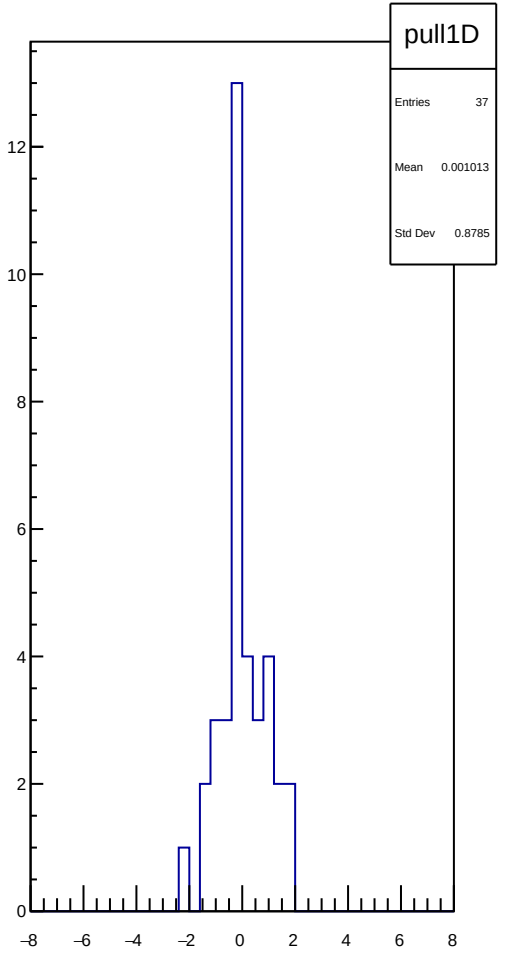

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2288 / 36
p0 2622 ± 2.999
3000
2900
2800
2700
2600
2500
2400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

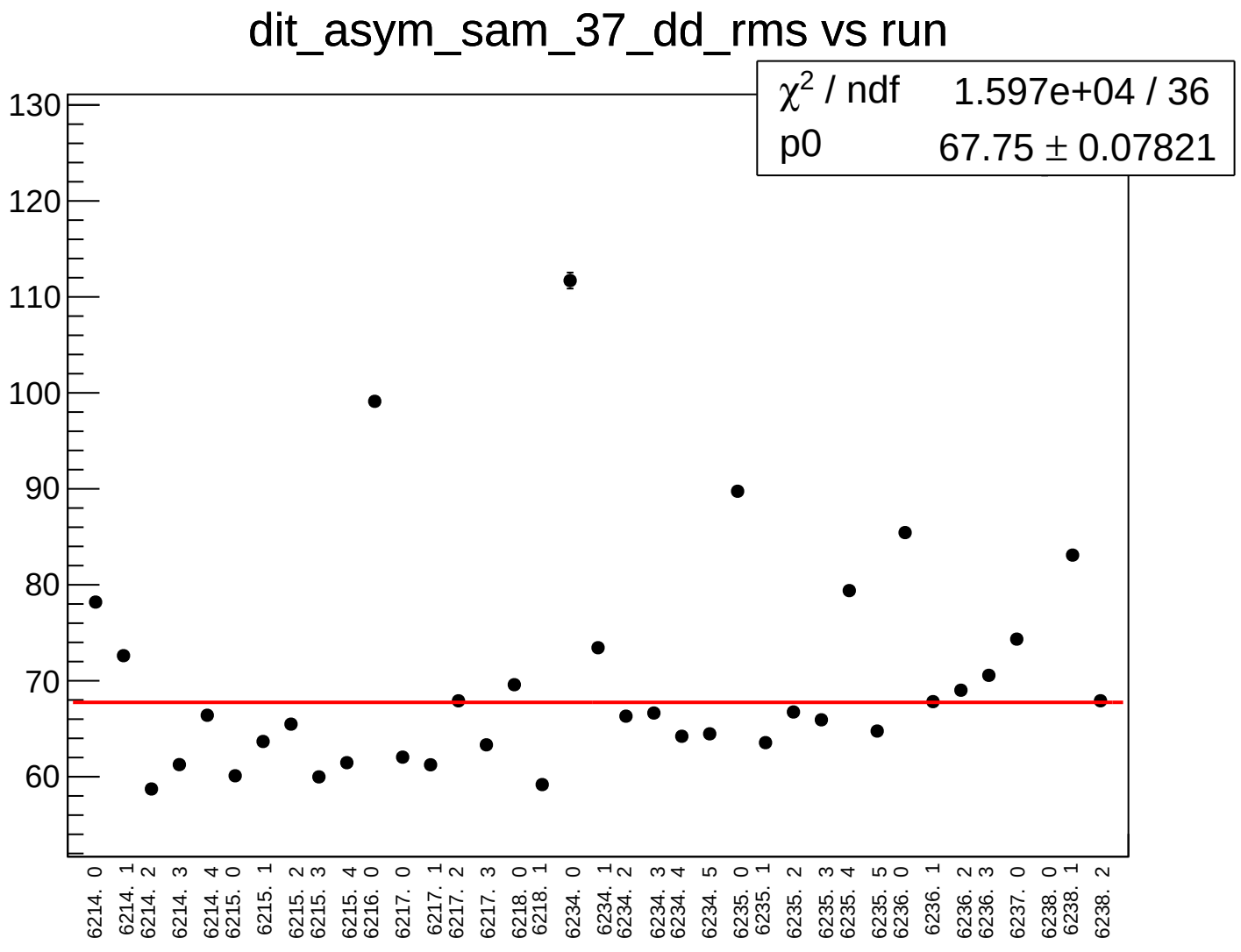

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 46.51 / 36
p0 −107.1± 4208
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 14.76
Std Dev 24.28
2
1
0
−1
−2

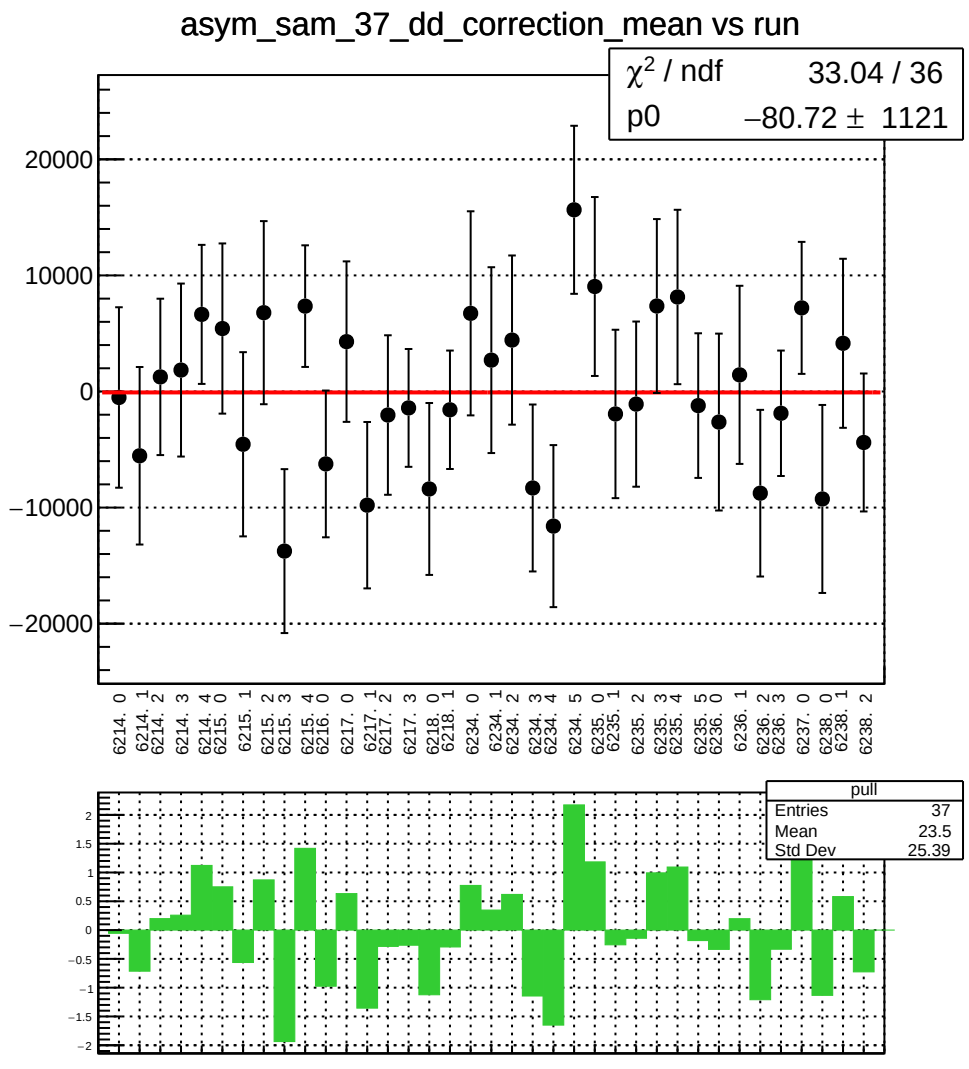

pull1D
Entries 37
Mean 0.01213
Std Dev 1.121
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

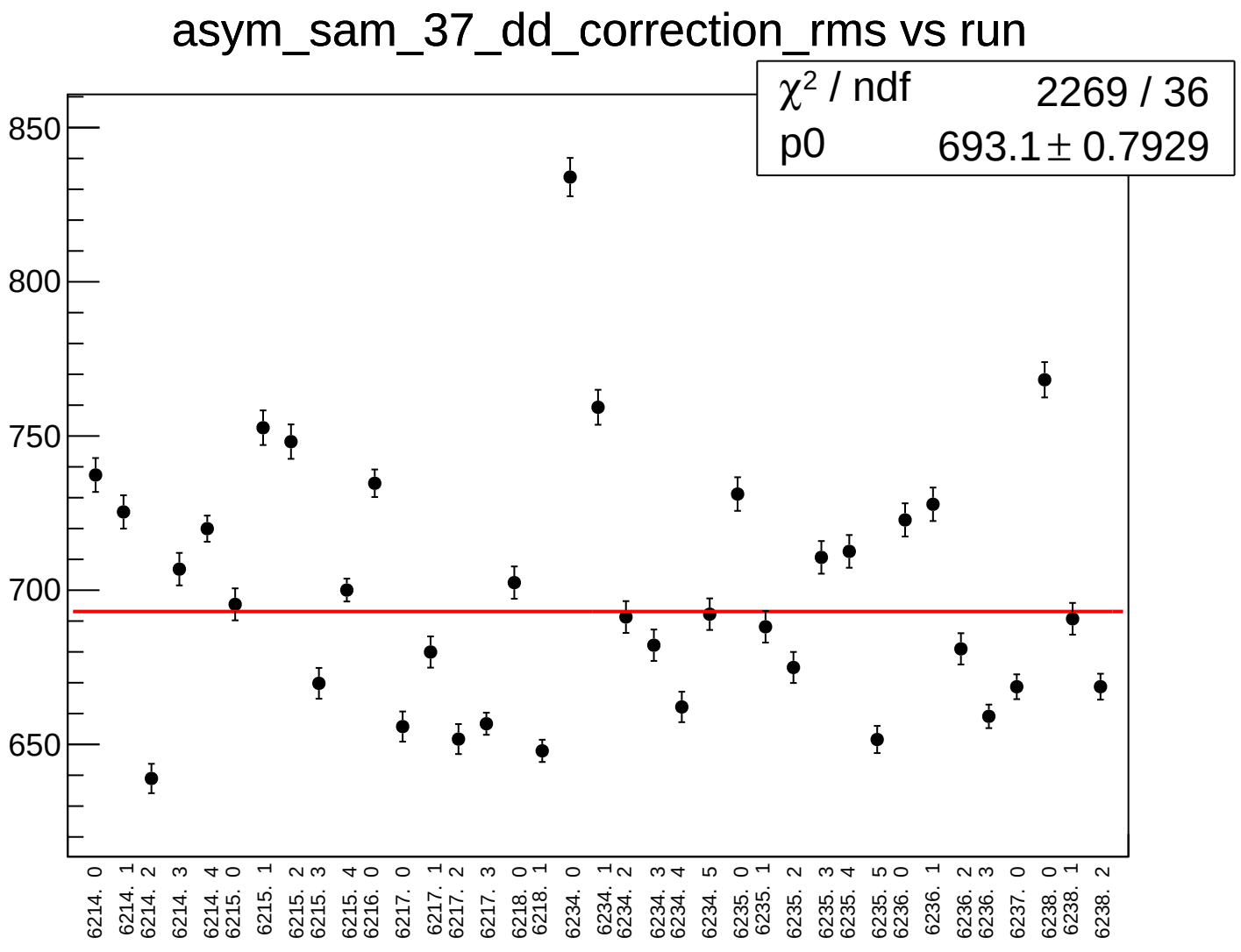

asym_sam_26_dd_rms vs run
χ² / ndf 2289 / 36
p0 2601 ± 2.975
3000
2900
2800
2700
2600
2500
2400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

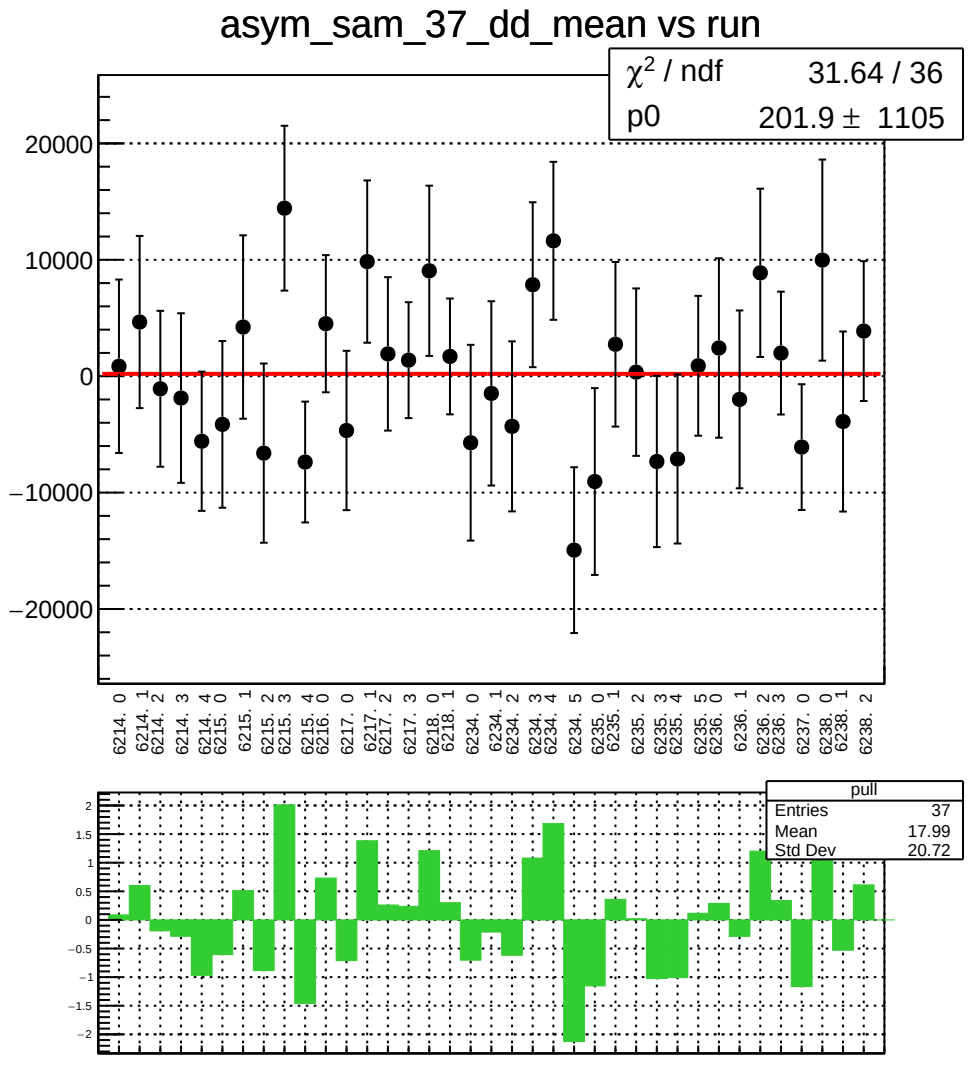

dit_asym_sam_37_dd_mean vs run
χ² / ndf 28.56 / 36
p0 143.6 ± 110.6
2000
1000
0
−1000
−2000
−3000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −100.4
Std Dev 123.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

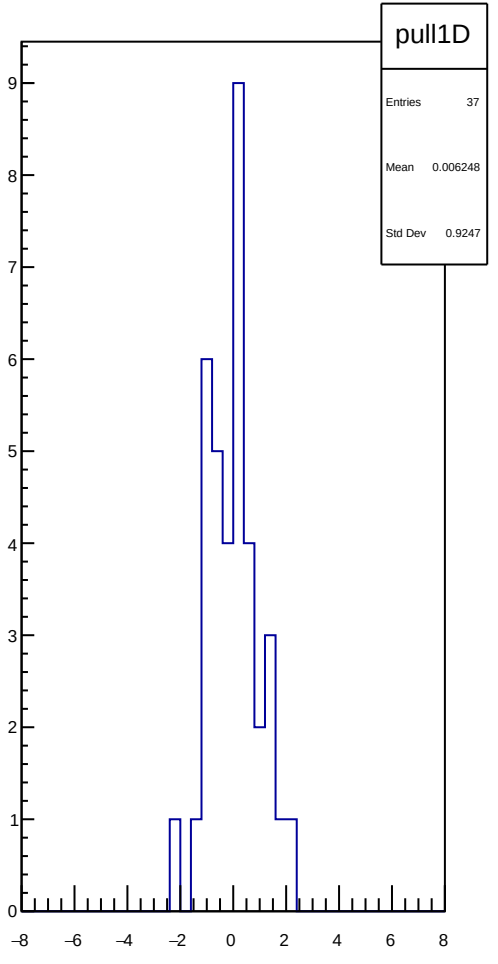

pull1D
Entries 37
Mean 0.001013
Std Dev 0.8785
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

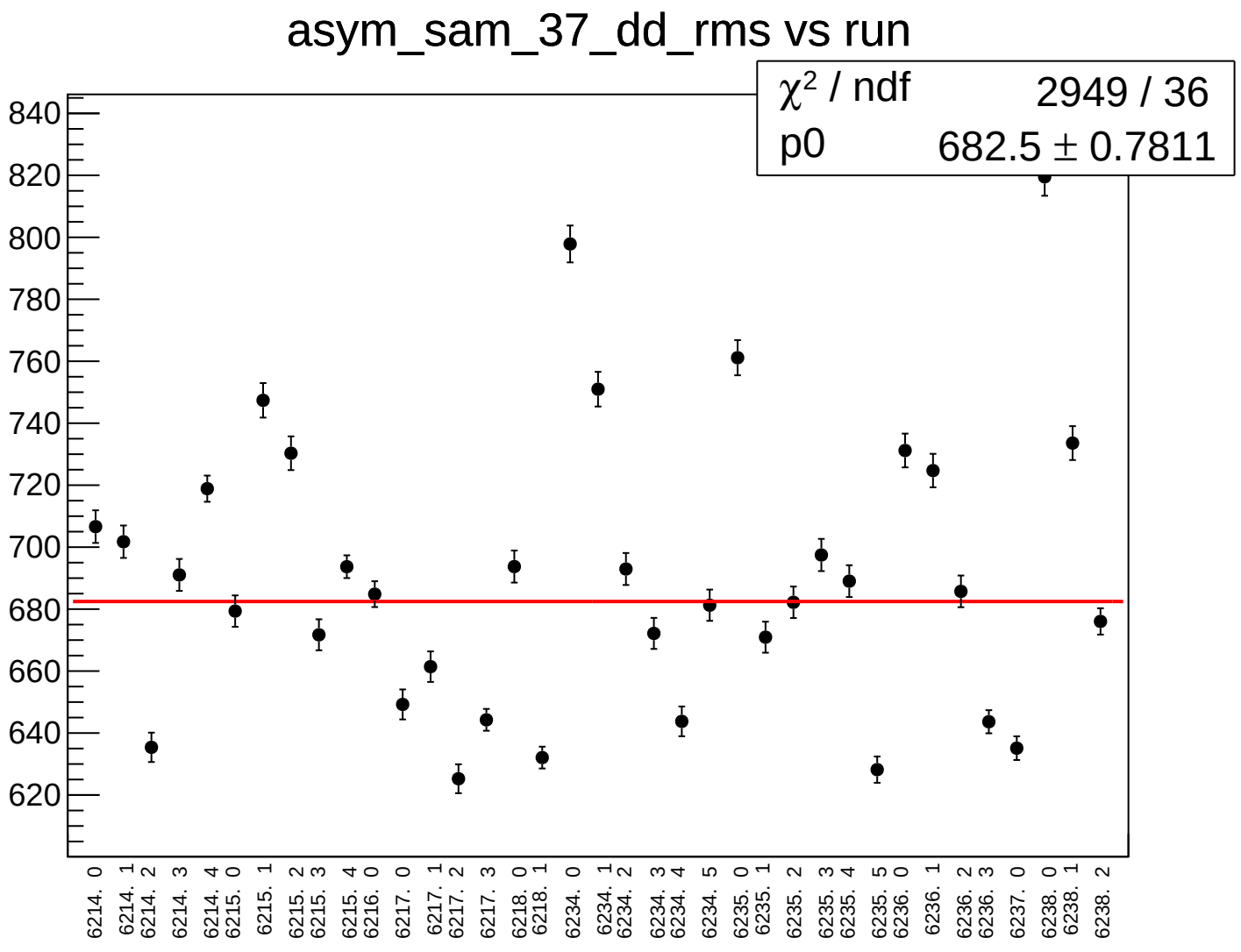

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.597e+04 / 36
p0 67.75 ± 0.07821
130
120
110
100
90
80
70
60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

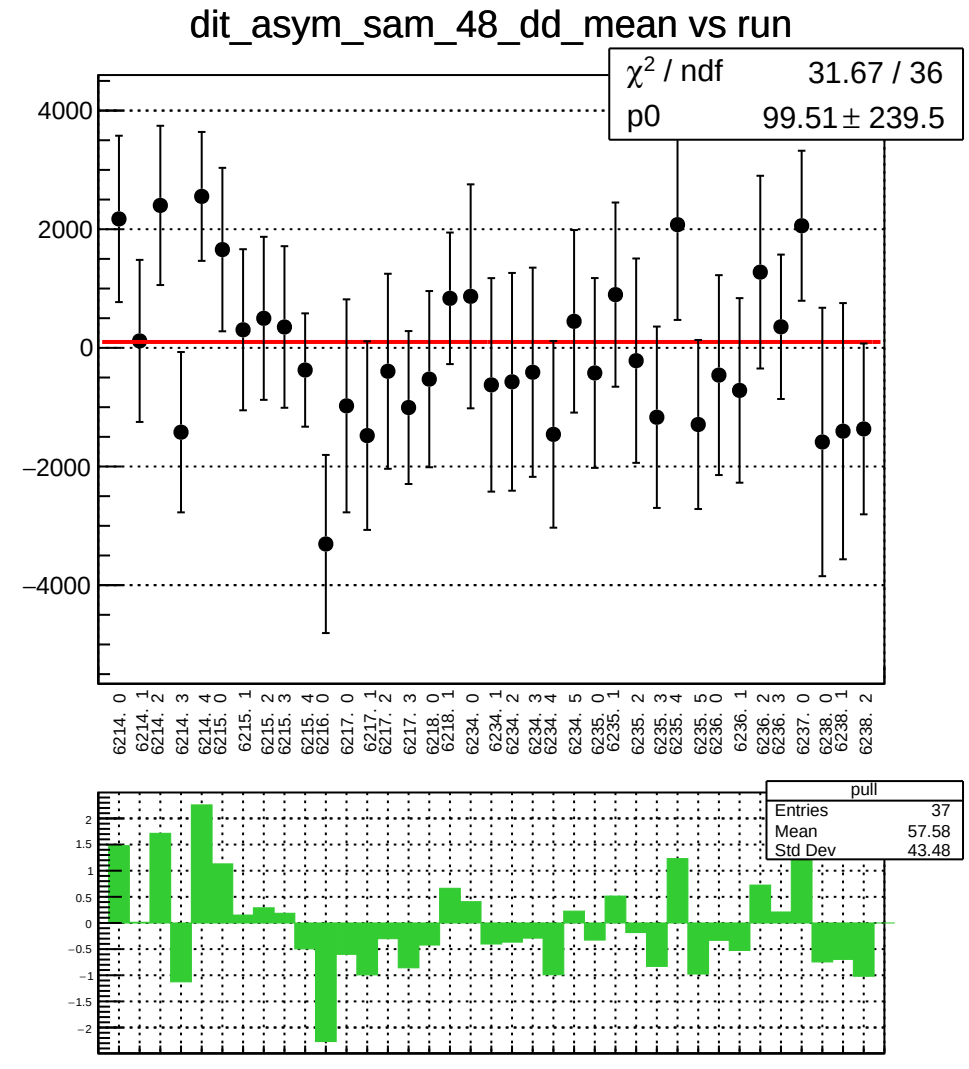

asym_sam_37_dd_correction_mean vs run
χ² / ndf 33.04 / 36
p0 −80.72 ± 1121
20000
10000
0
−10000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 23.5
Std Dev 25.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.004501
Std Dev 0.945
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

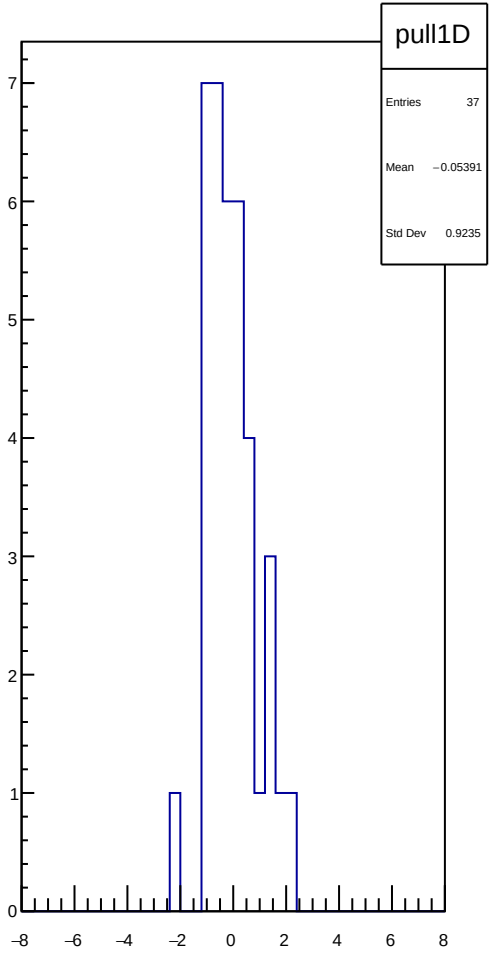

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2269 / 36
p0 693.1 ± 0.7929
850
800
750
700
650
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

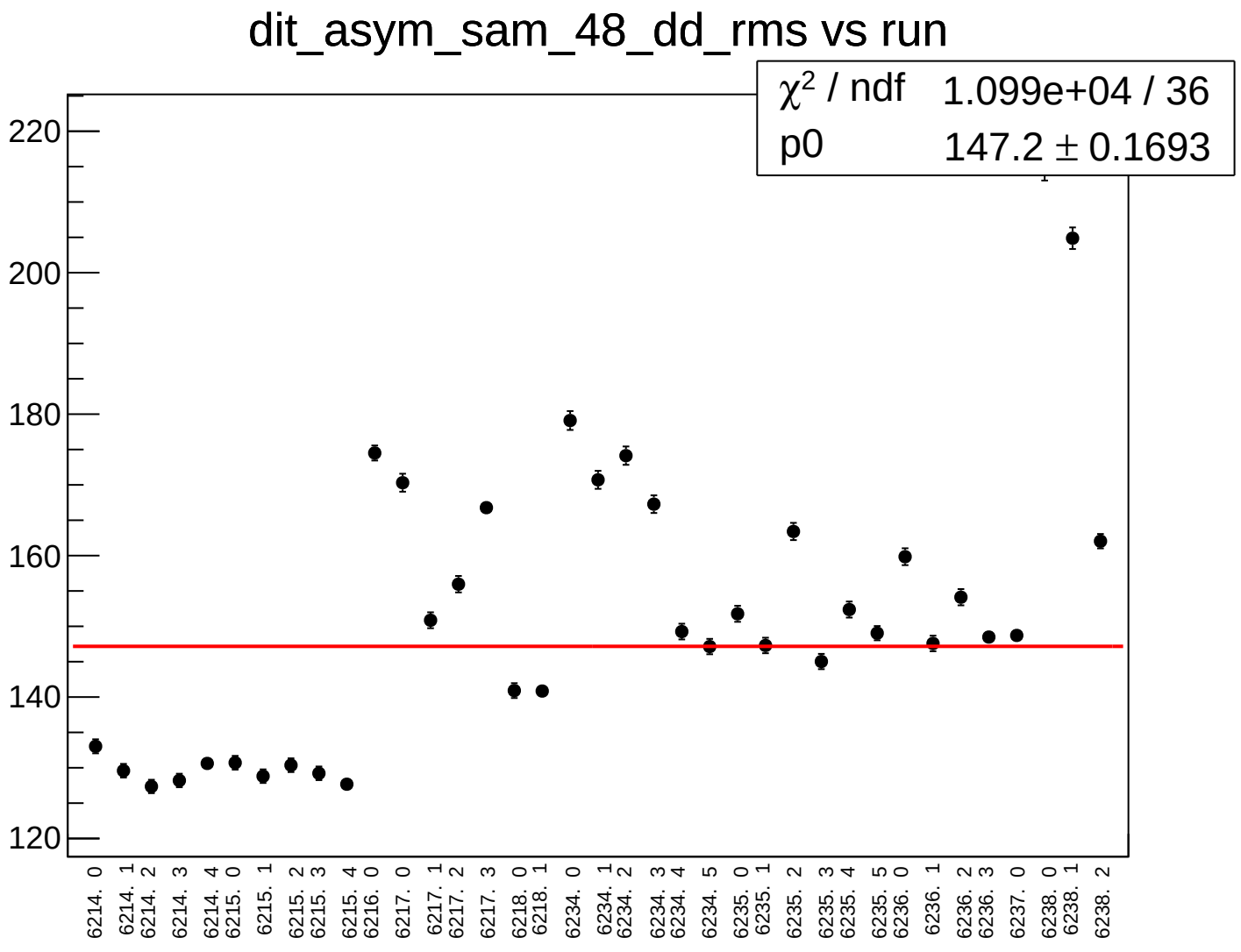

asym_sam_37_dd_mean vs run
χ² / ndf 31.64 / 36
p0 201.9 ± 1105
20000
10000
0
−10000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 17.99
Std Dev 20.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

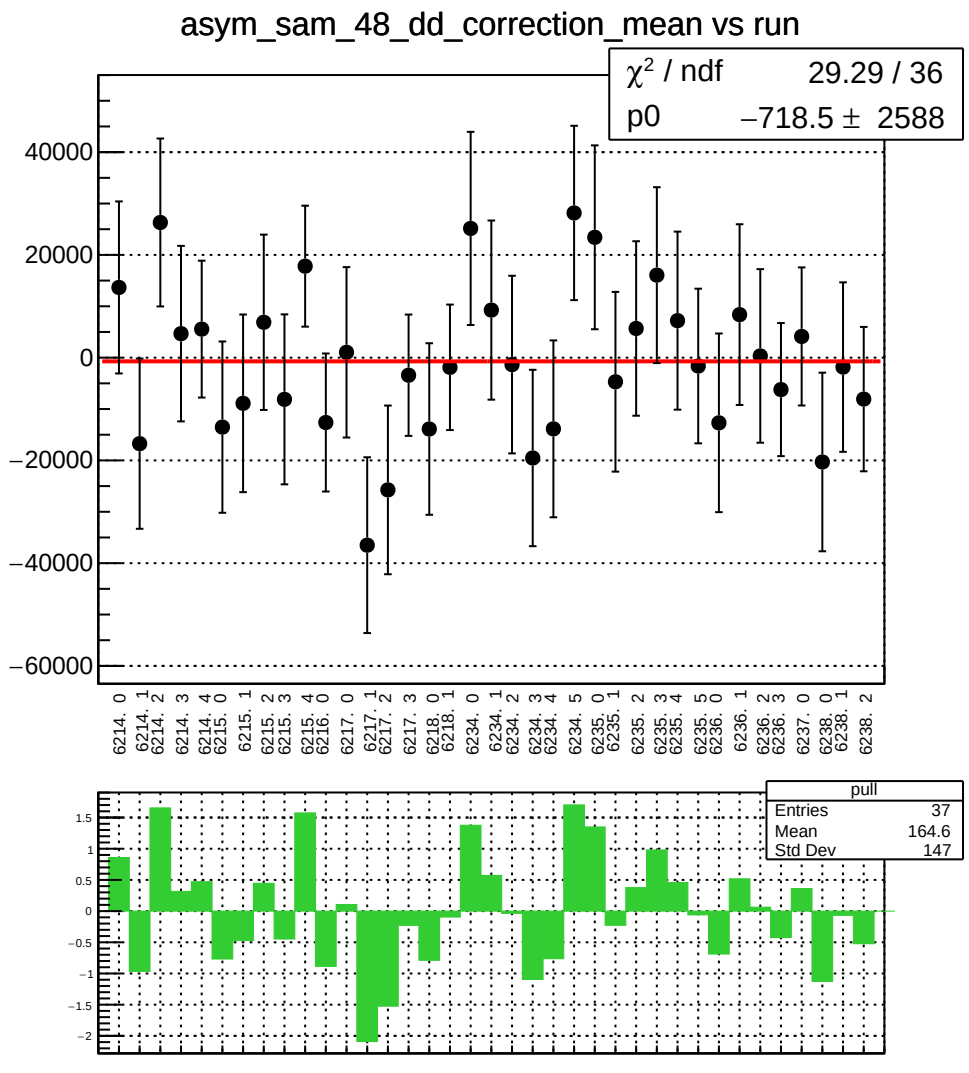

pull1D
Entries 37
Mean 0.006248
Std Dev 0.9247
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

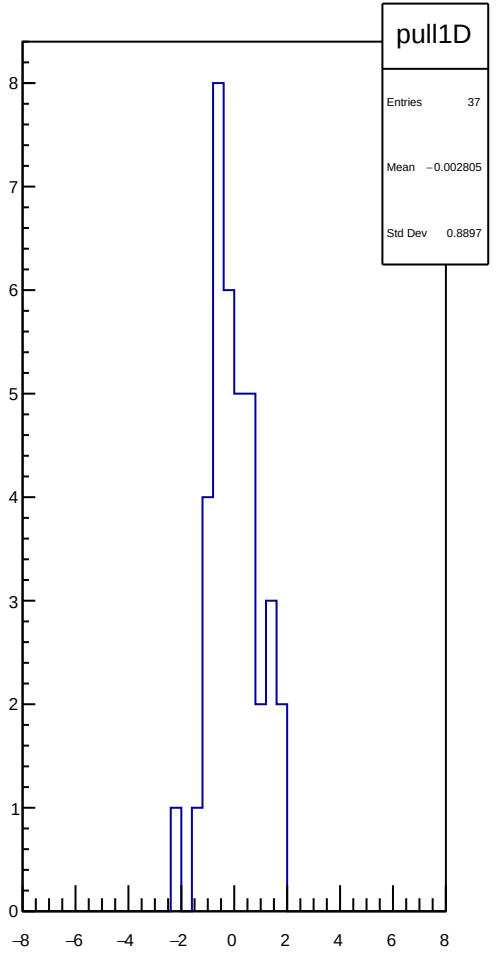

asym_sam_37_dd_rms vs run
χ² / ndf 2949 / 36
p0 682.5 ± 0.7811
840
820
800
780
760
740
720
700
680
660
640
620
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

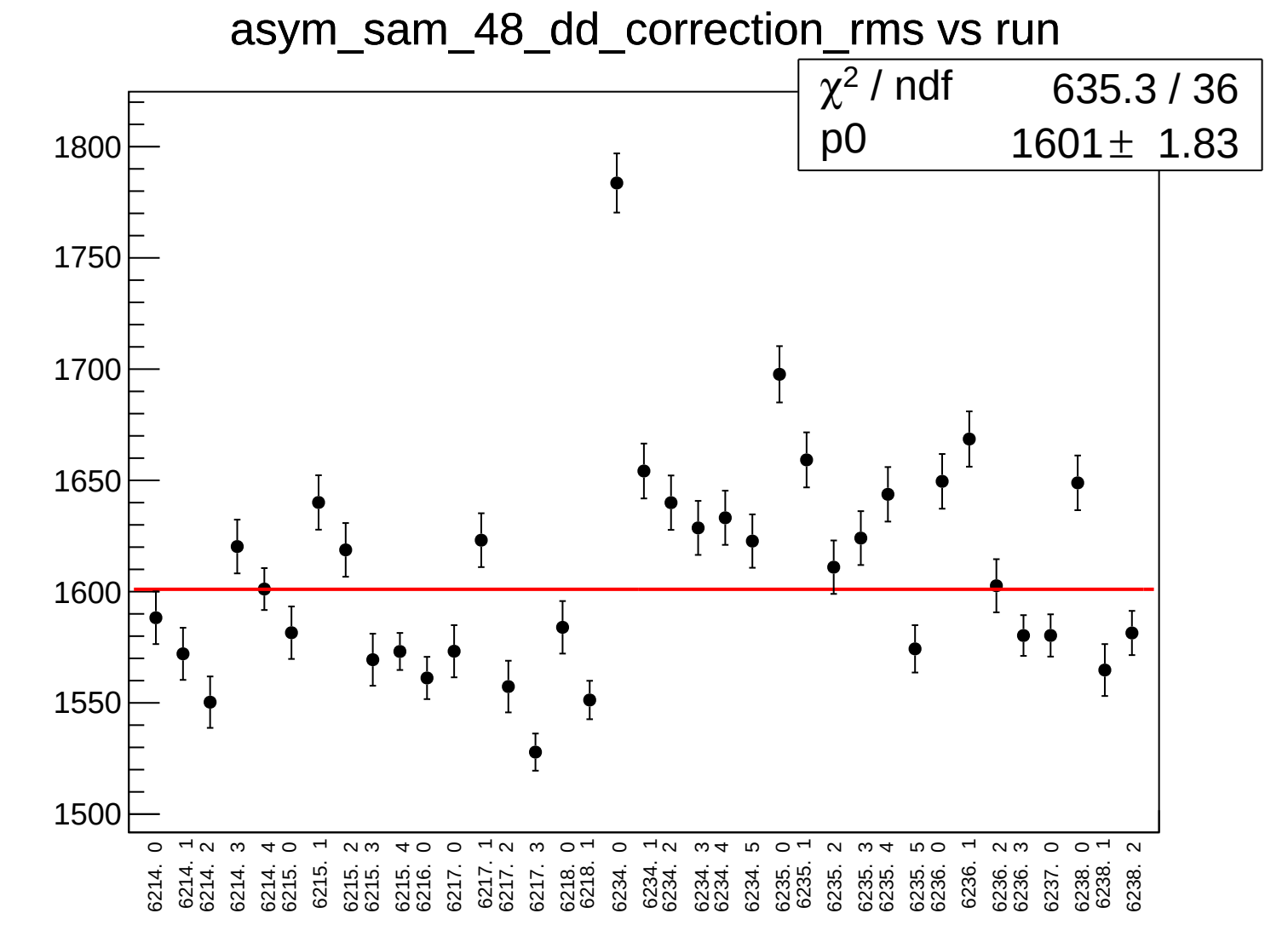

dit_asym_sam_48_dd_mean vs run
χ² / ndf 31.67 / 36
p0 99.51 ± 239.5
4000
2000
0
−2000
−4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 57.58
Std Dev 43.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

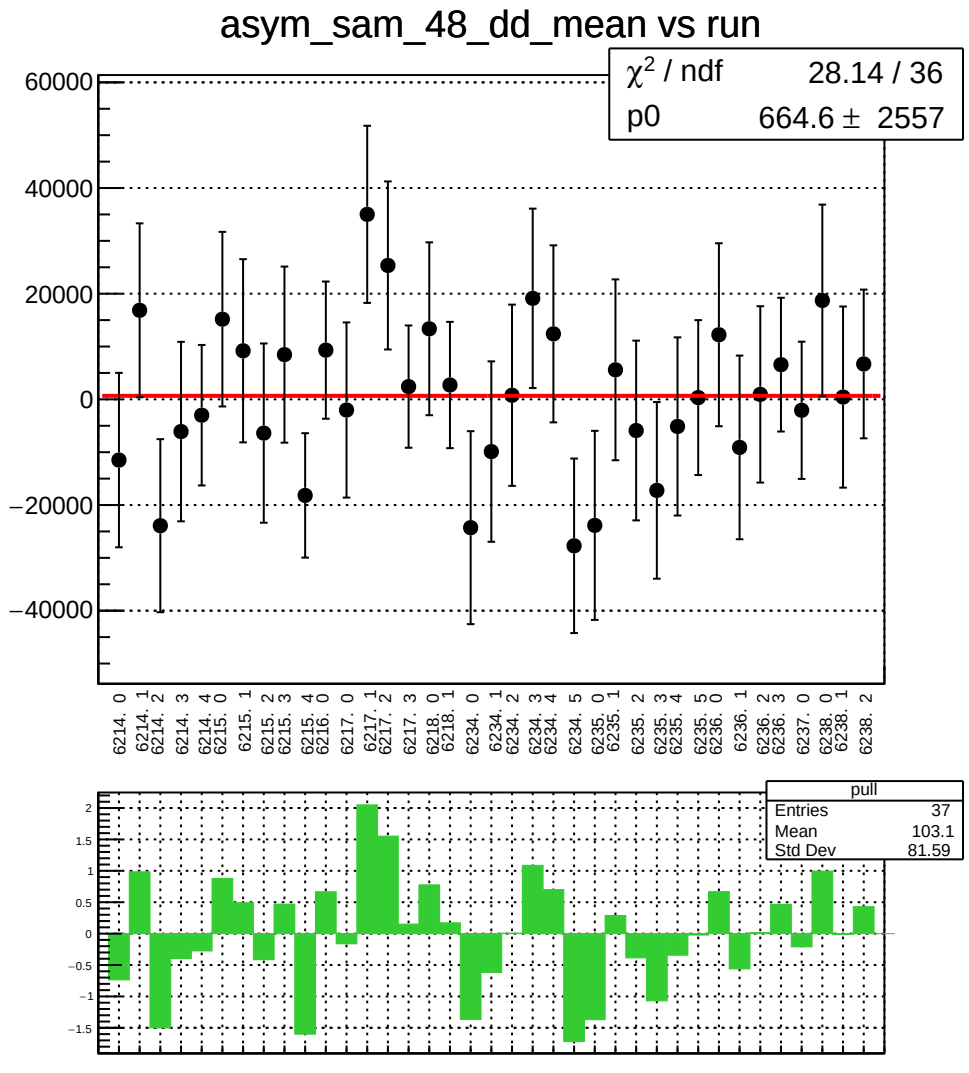

pull1D
Entries 37
Mean −0.05391
Std Dev 0.9235
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

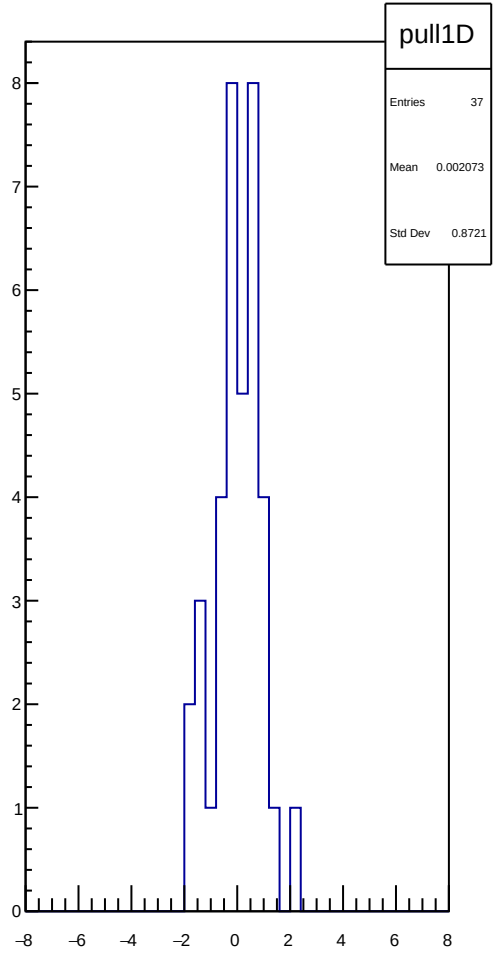

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.099e+04 / 36
p0 147.2 ± 0.1693
220
200
180
160
140
120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

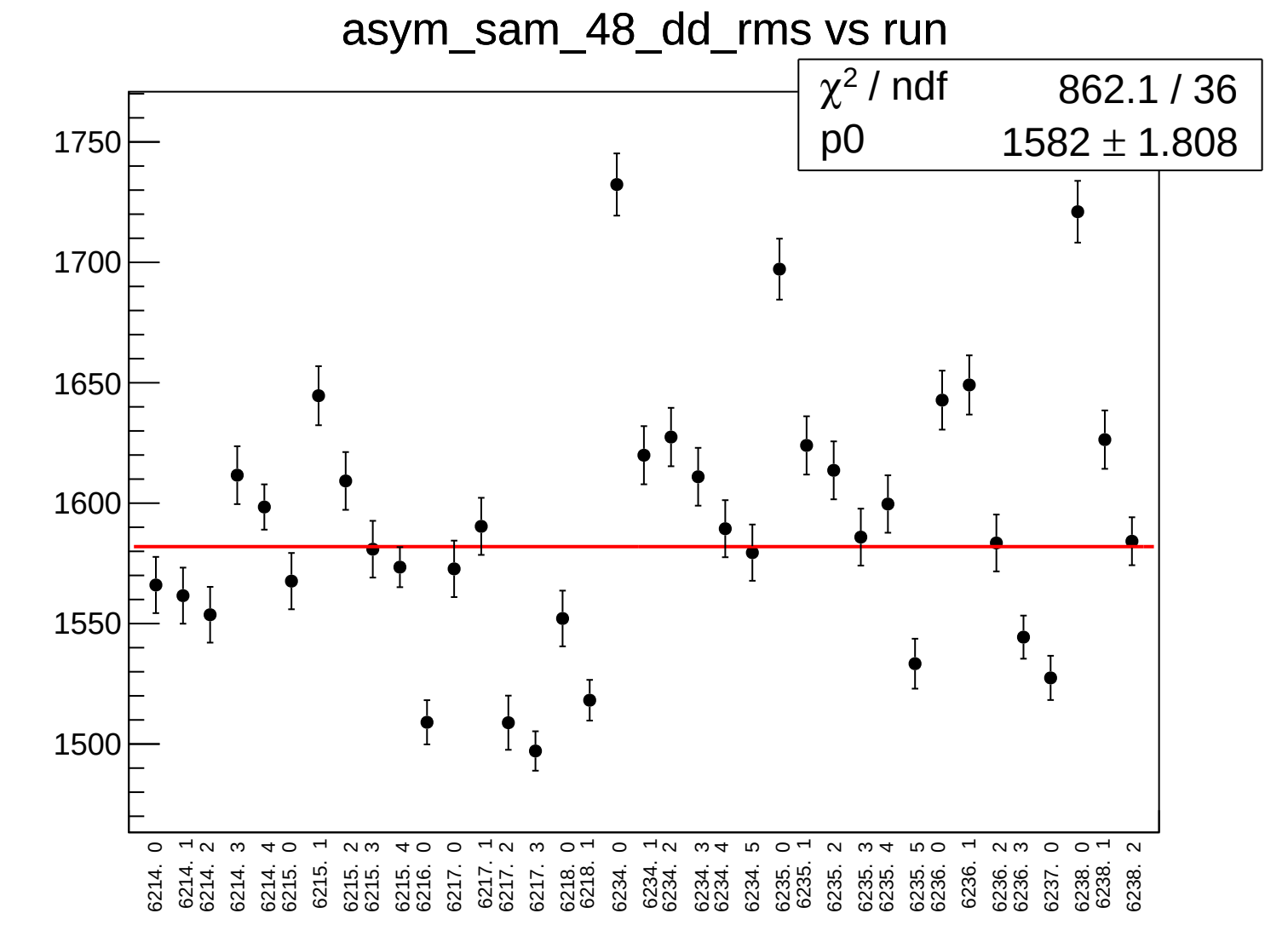

asym_sam_48_dd_correction_mean vs run
χ² / ndf 29.29 / 36
p0 −718.5 ± 2588
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 164.6
Std Dev 147
1.5
1
0.5
0
−0.5
−1
−1.5
−2

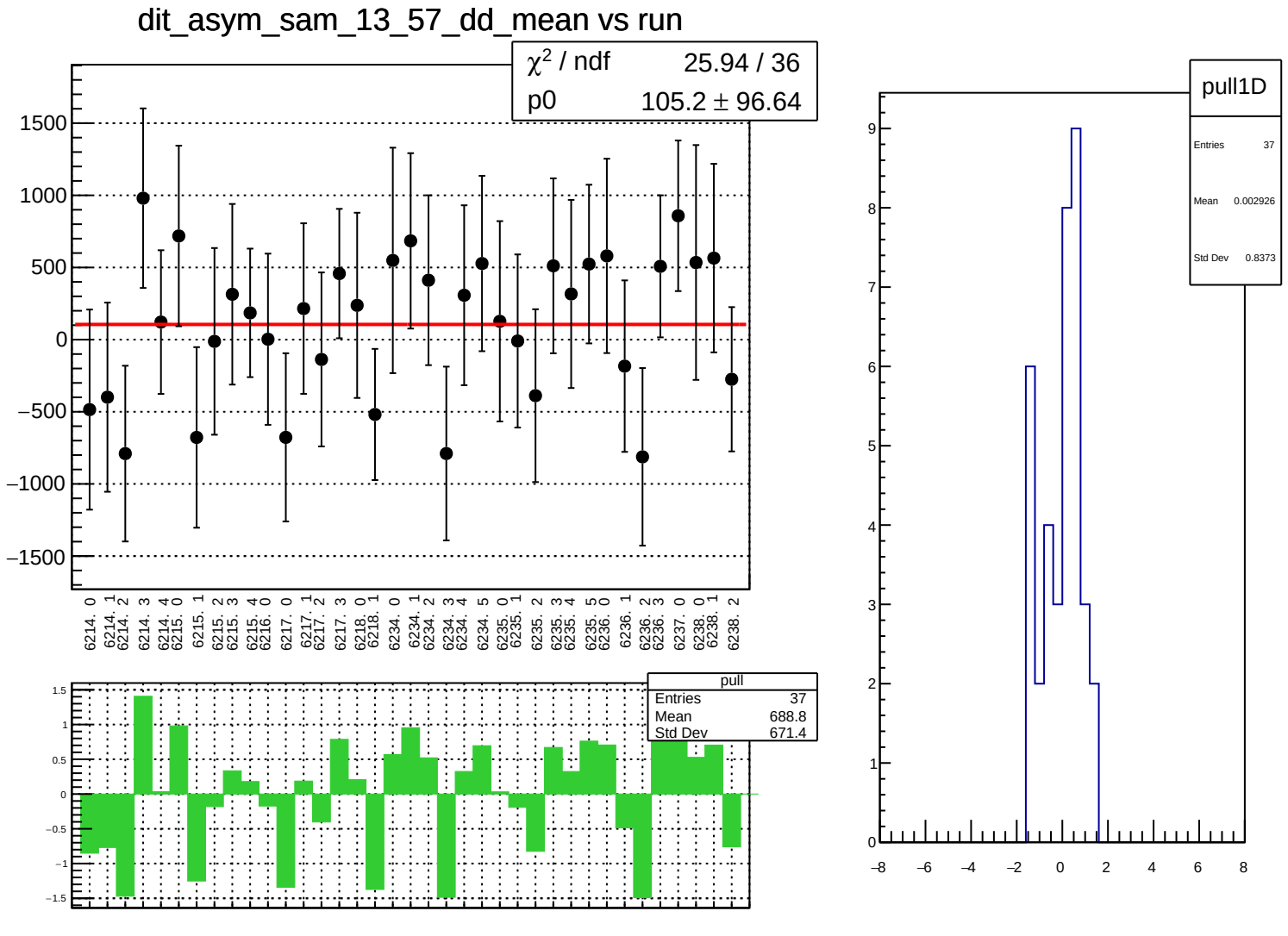

pull1D
Entries 37
Mean −0.002805
Std Dev 0.8897
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

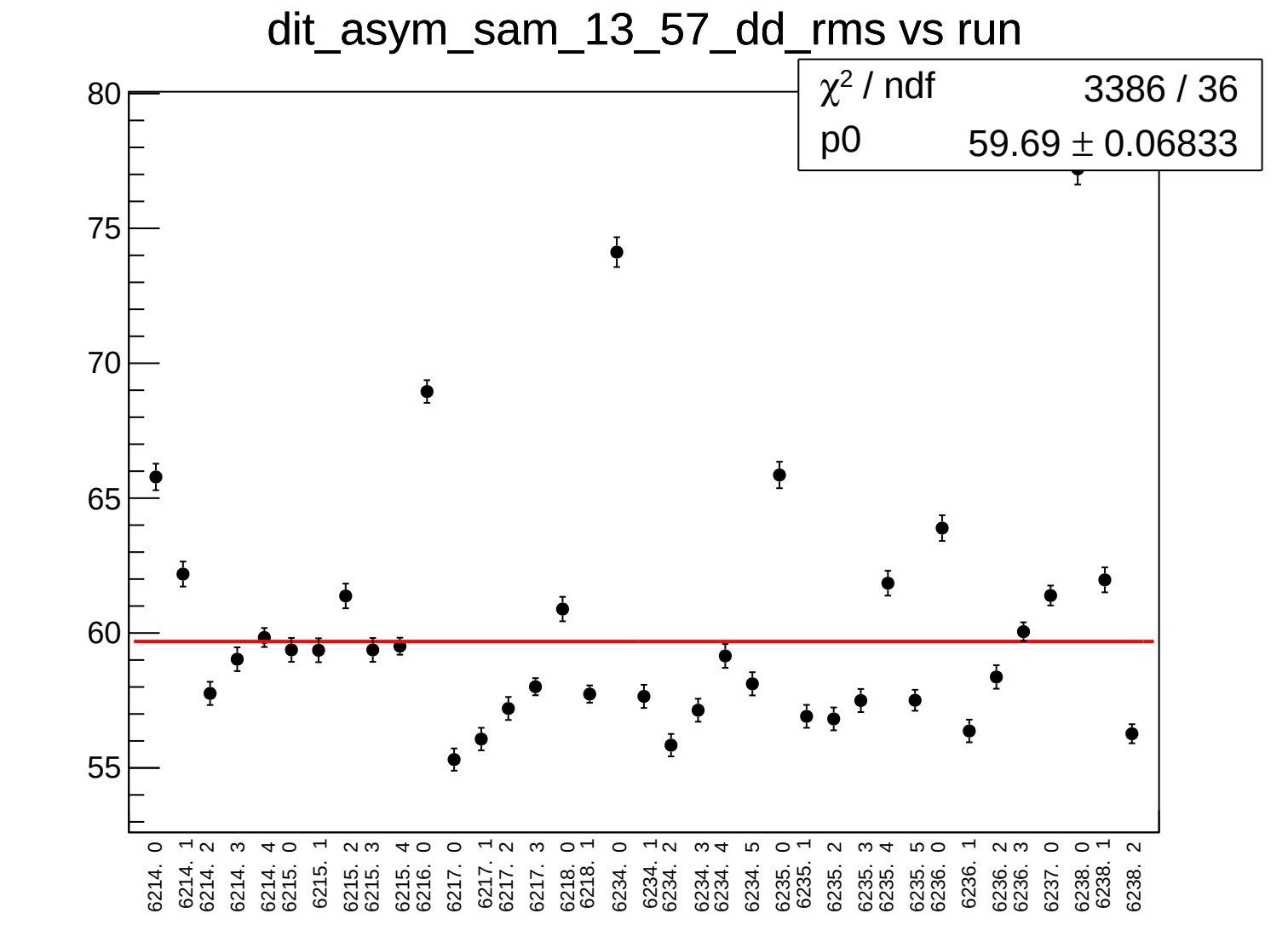

asym_sam_48_dd_correction_rms vs run
χ² / ndf 635.3 / 36
p0 1601 ± 1.83
1800
1750
1700
1650
1600
1550
1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

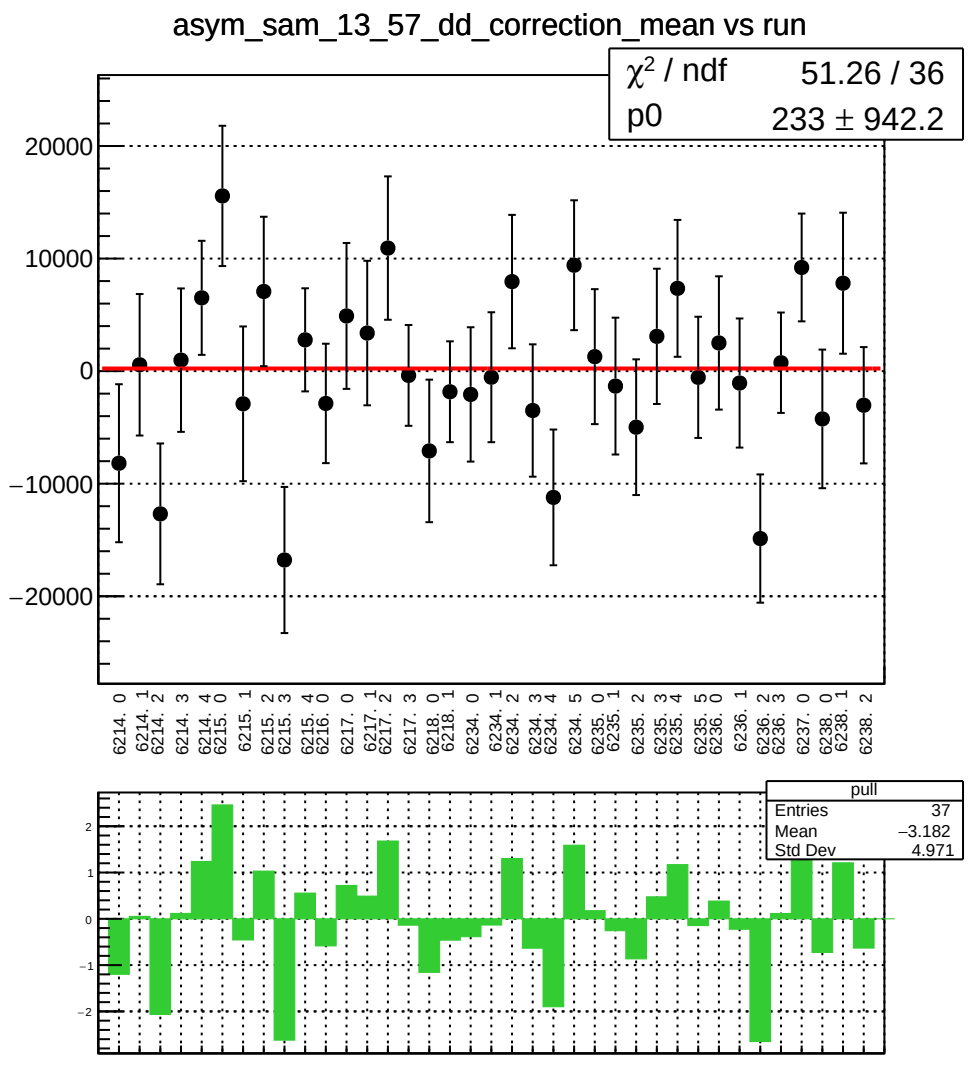

asym_sam_48_dd_mean vs run
χ² / ndf 28.14 / 36
p0 664.6 ± 2557
60000
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 103.1
Std Dev 81.59
2
1.5
1
0.5
0
−0.5
−1
−1.5

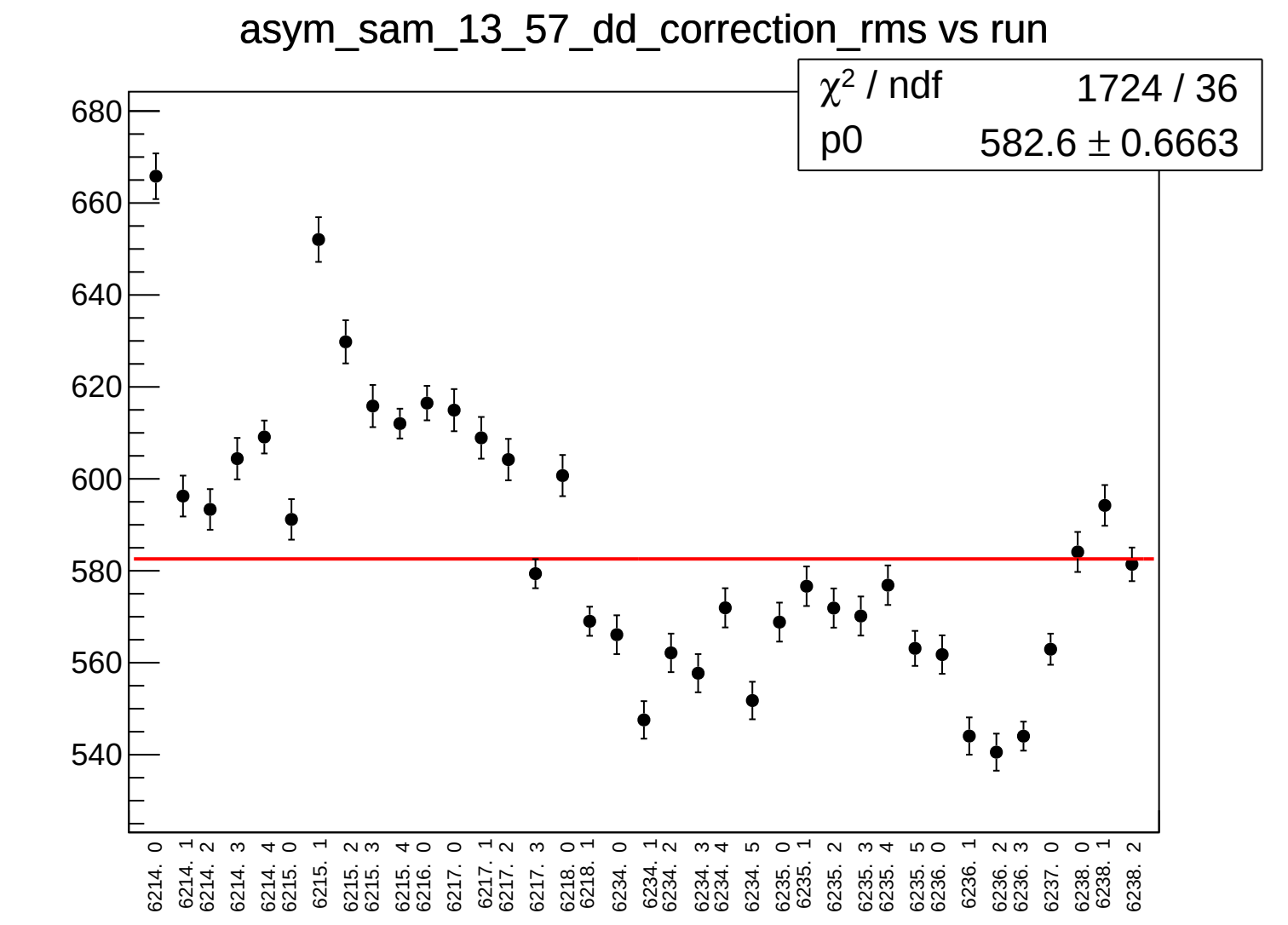

pull1D
Entries 37
Mean 0.002073
Std Dev 0.8721
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

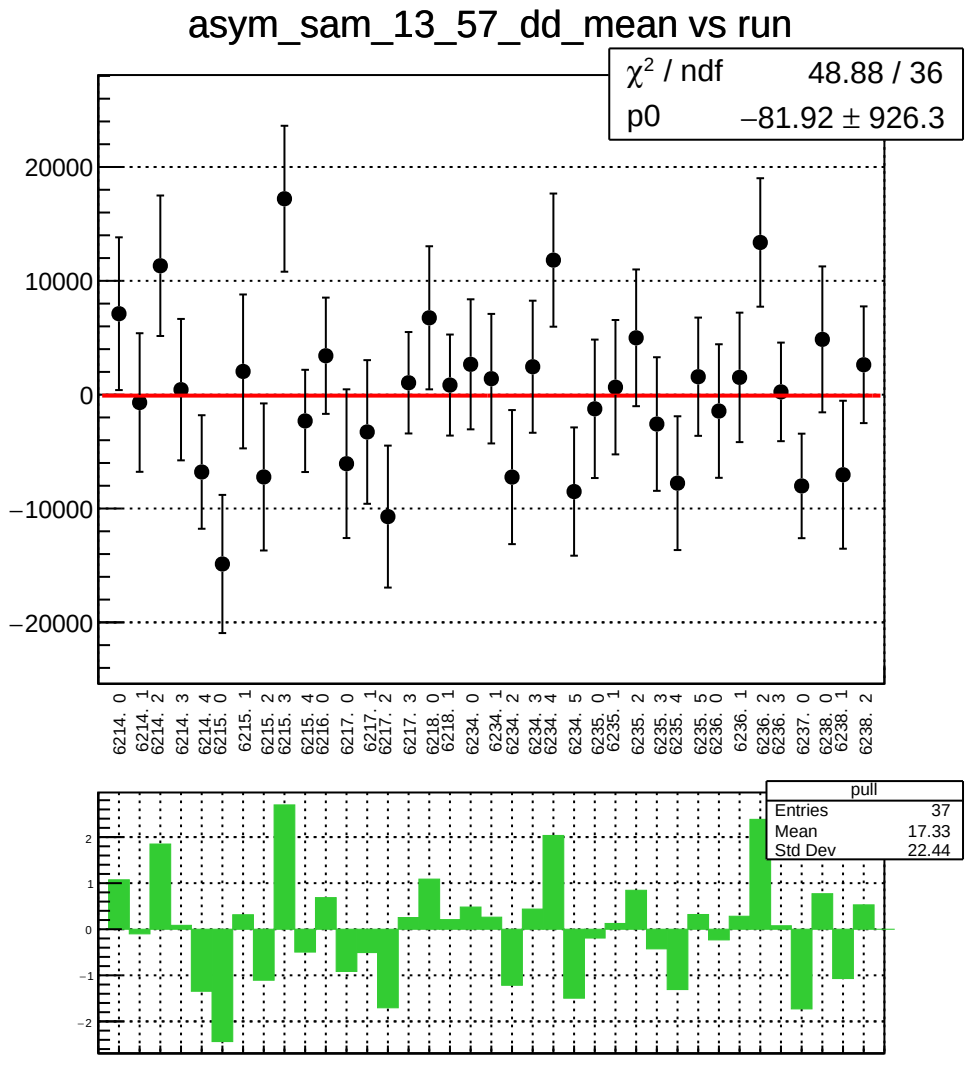

asym_sam_48_dd_rms vs run
χ² / ndf 862.1 / 36
p0 1582 ± 1.808
1750
1700
1650
1600
1550
1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

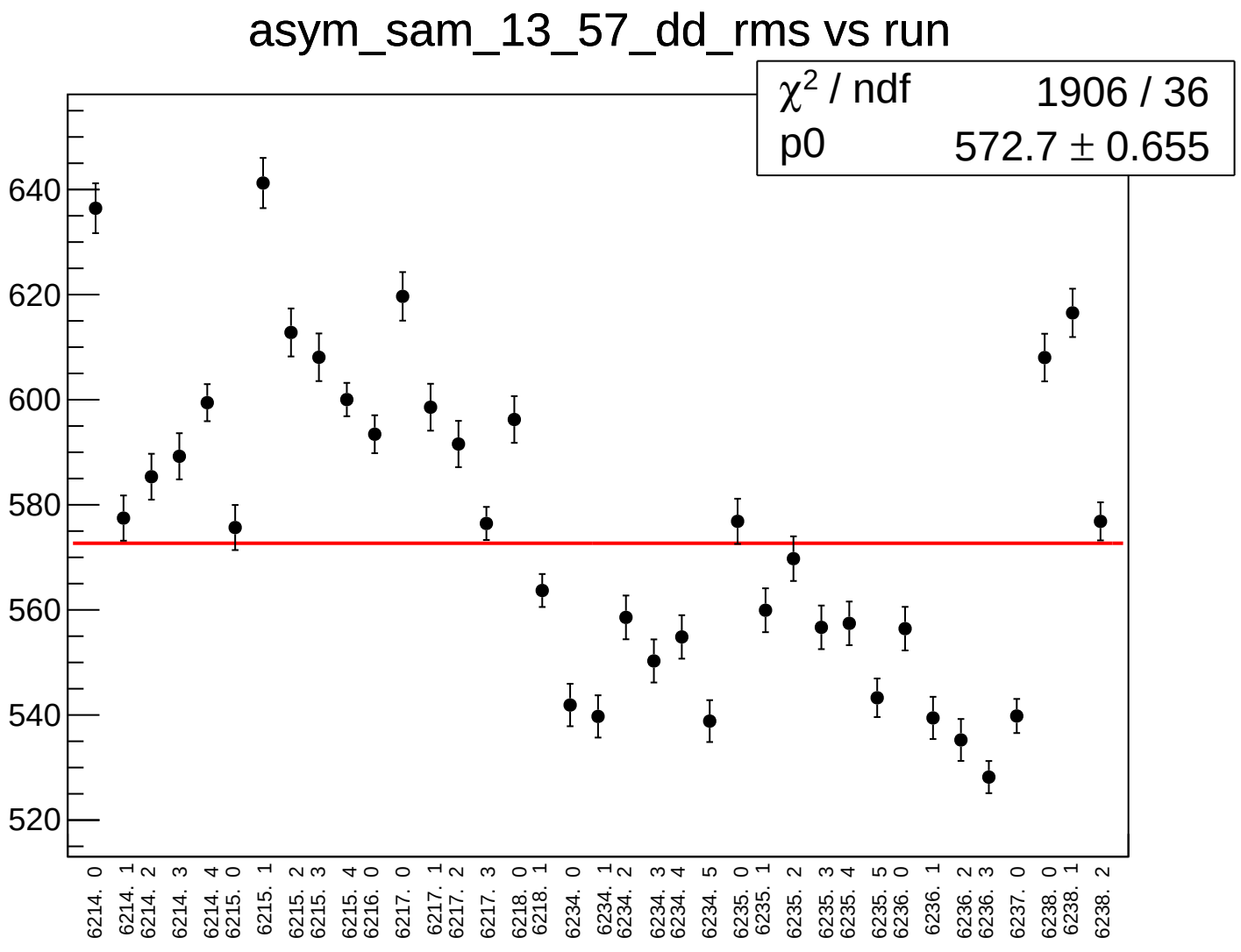

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 25.94 / 36
p0 105.2 ± 96.64
1500
1000
500
0
−500
−1000
−1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 688.8
Std Dev 671.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.002926
Std Dev 0.8373
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

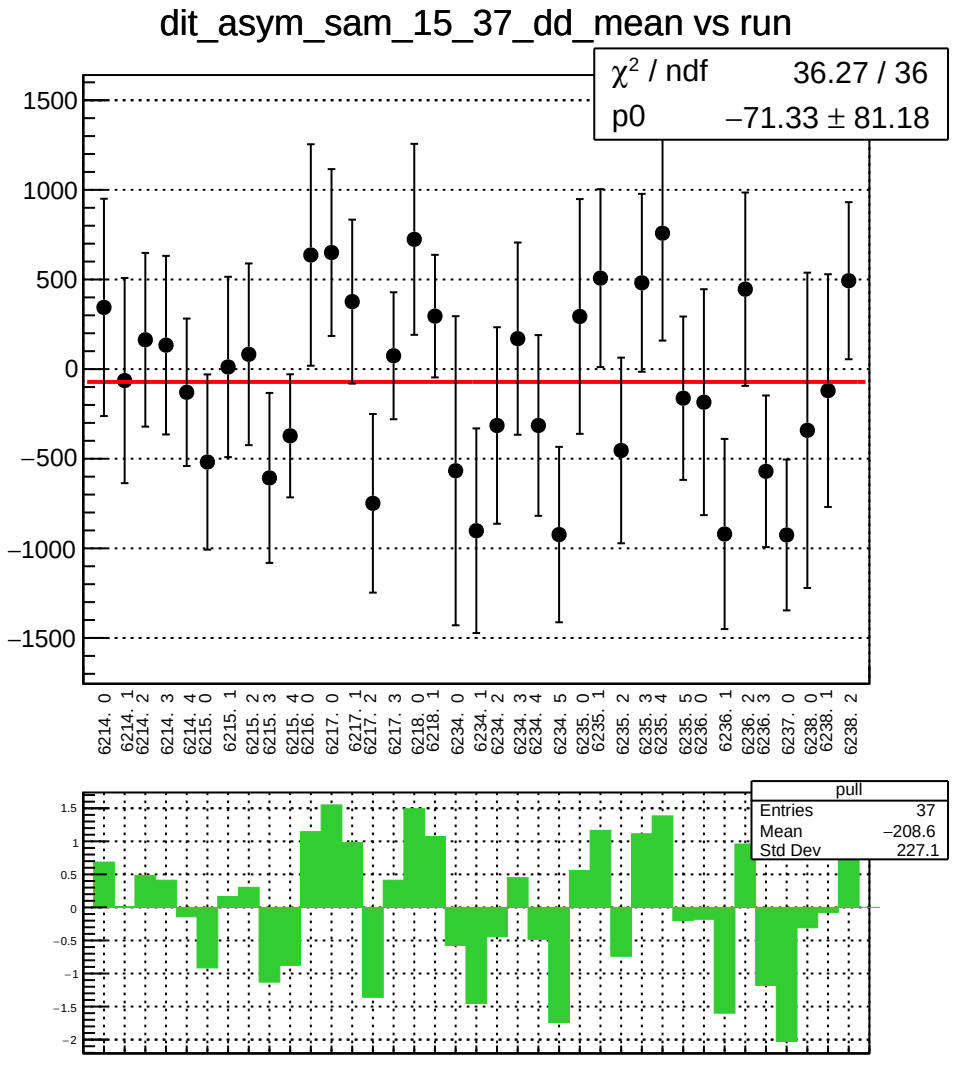

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 3386 / 36
p0 59.69 ± 0.06833
80
75
70
65
60
55
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

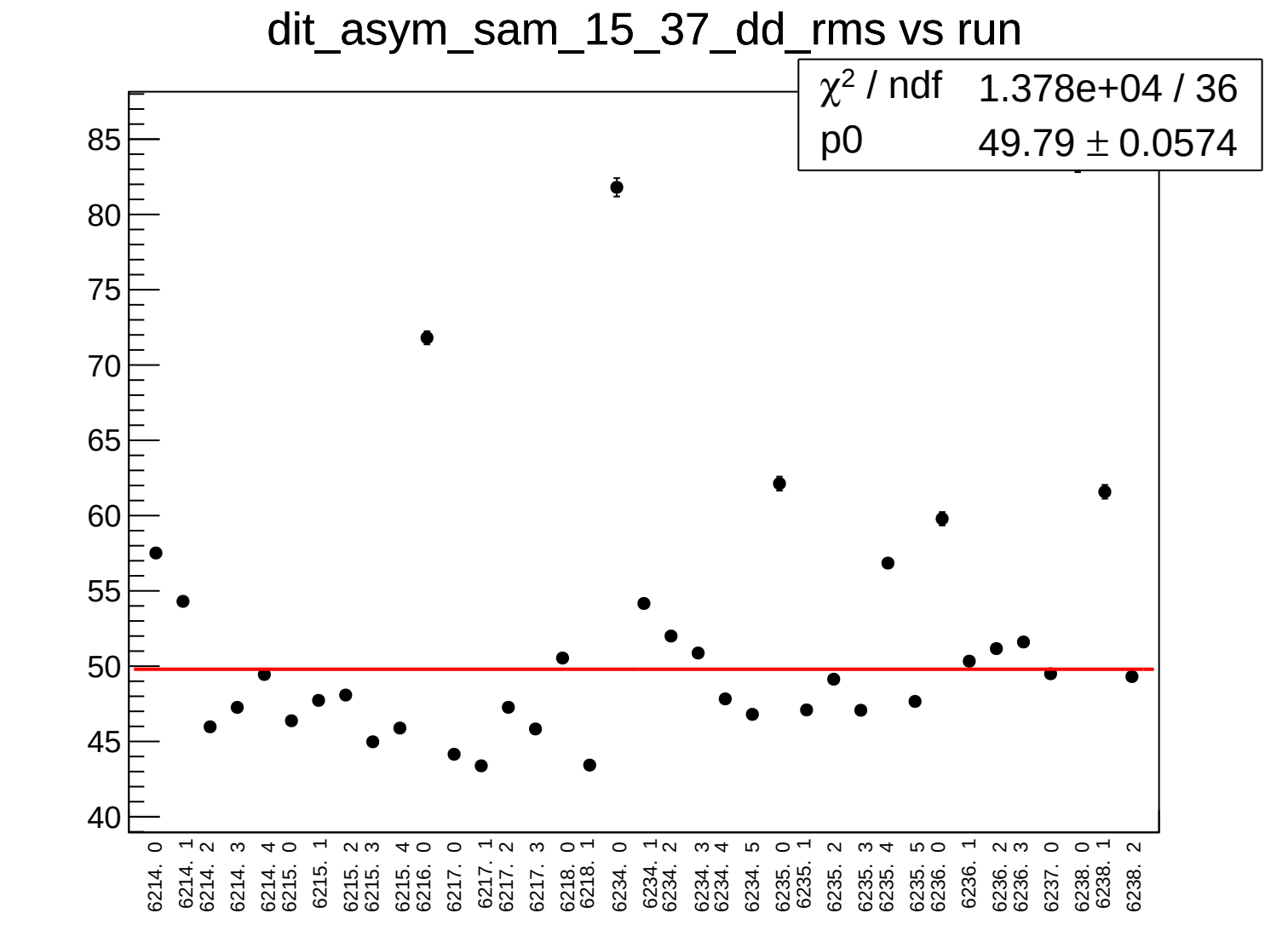

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 51.26 / 36
p0 233 ± 942.2
20000
10000
0
−10000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −3.182
Std Dev 4.971
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01598
Std Dev 1.177
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

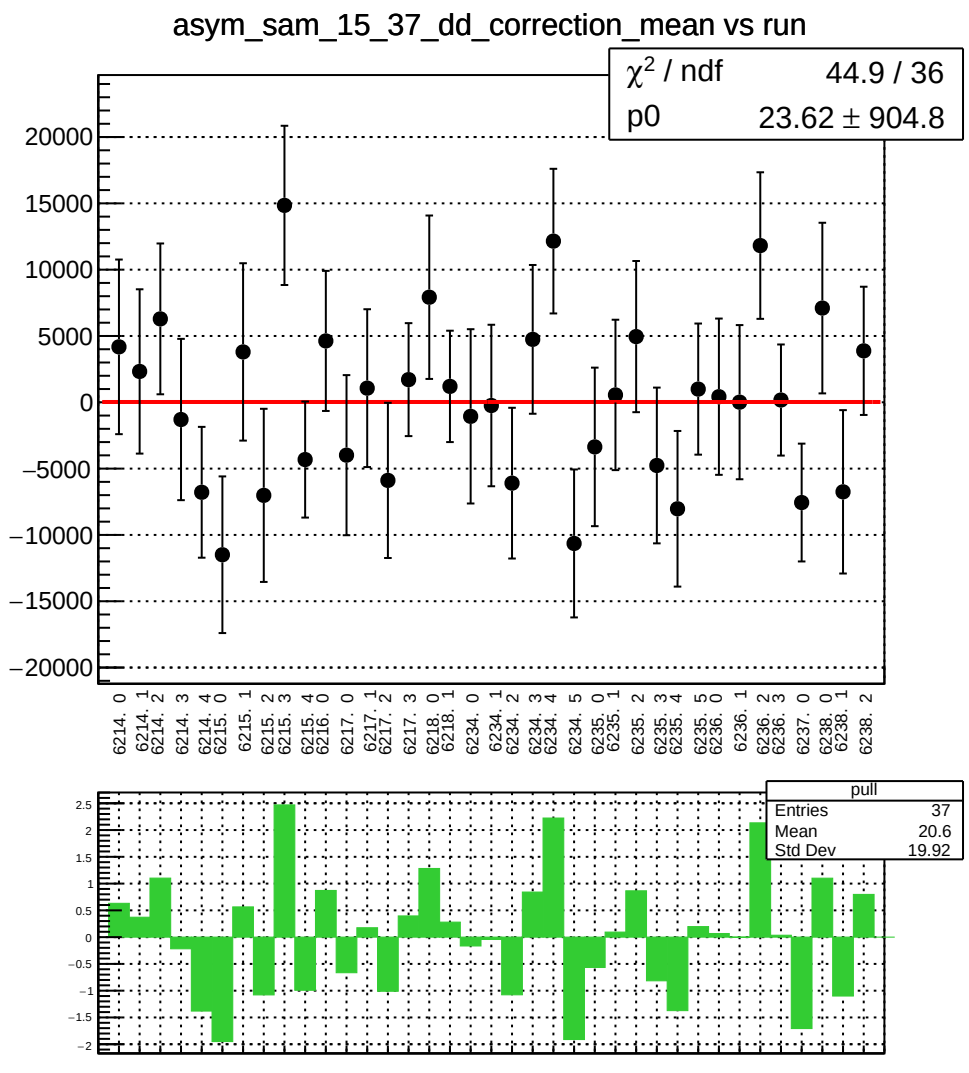

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1724 / 36
p0 582.6 ± 0.6663
680
660
640
620
600
580
560
540
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

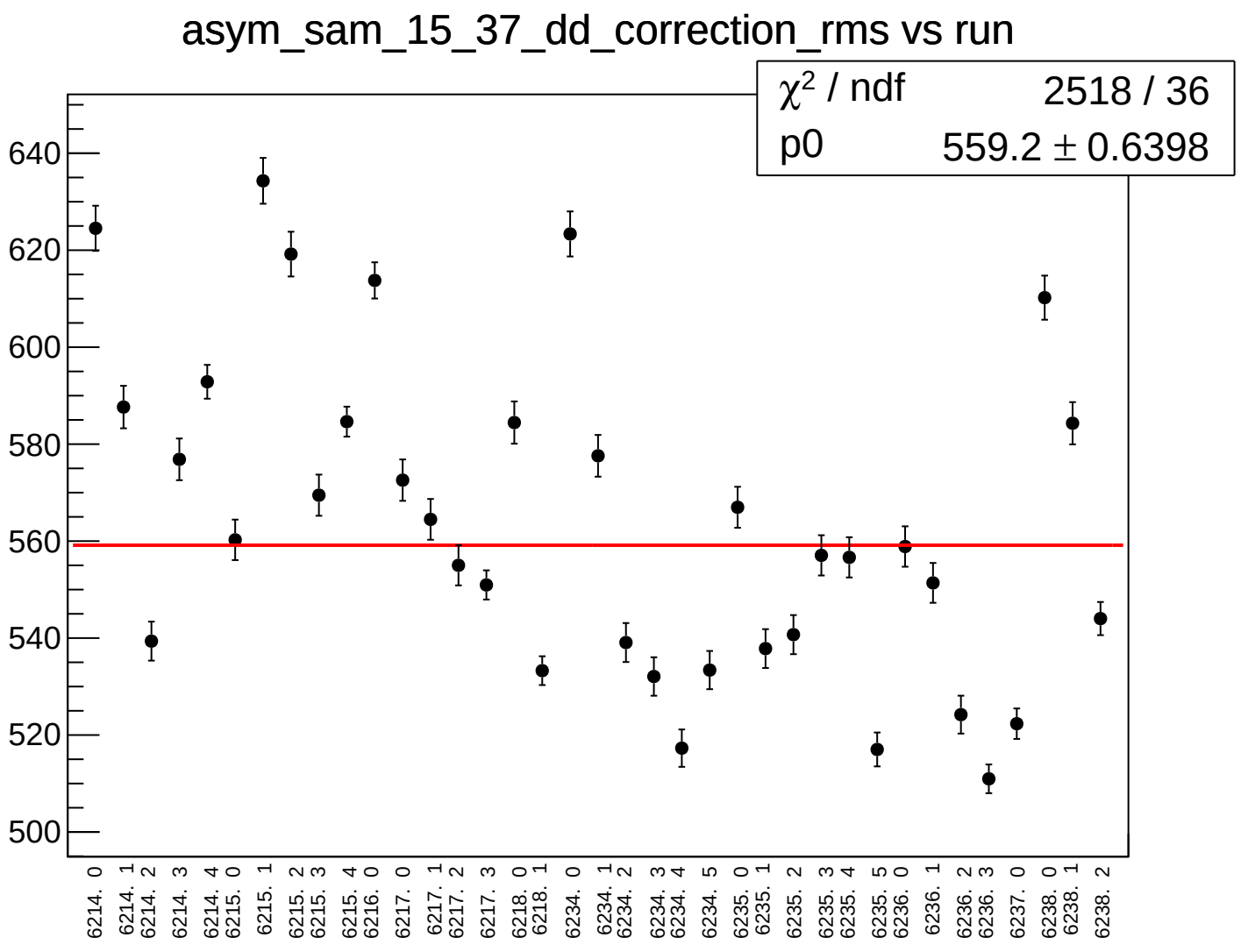

asym_sam_13_57_dd_mean vs run
χ² / ndf 48.88 / 36
p0 −81.92 ± 926.3
20000
10000
0
−10000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 17.33
Std Dev 22.44
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01422
Std Dev 1.149
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

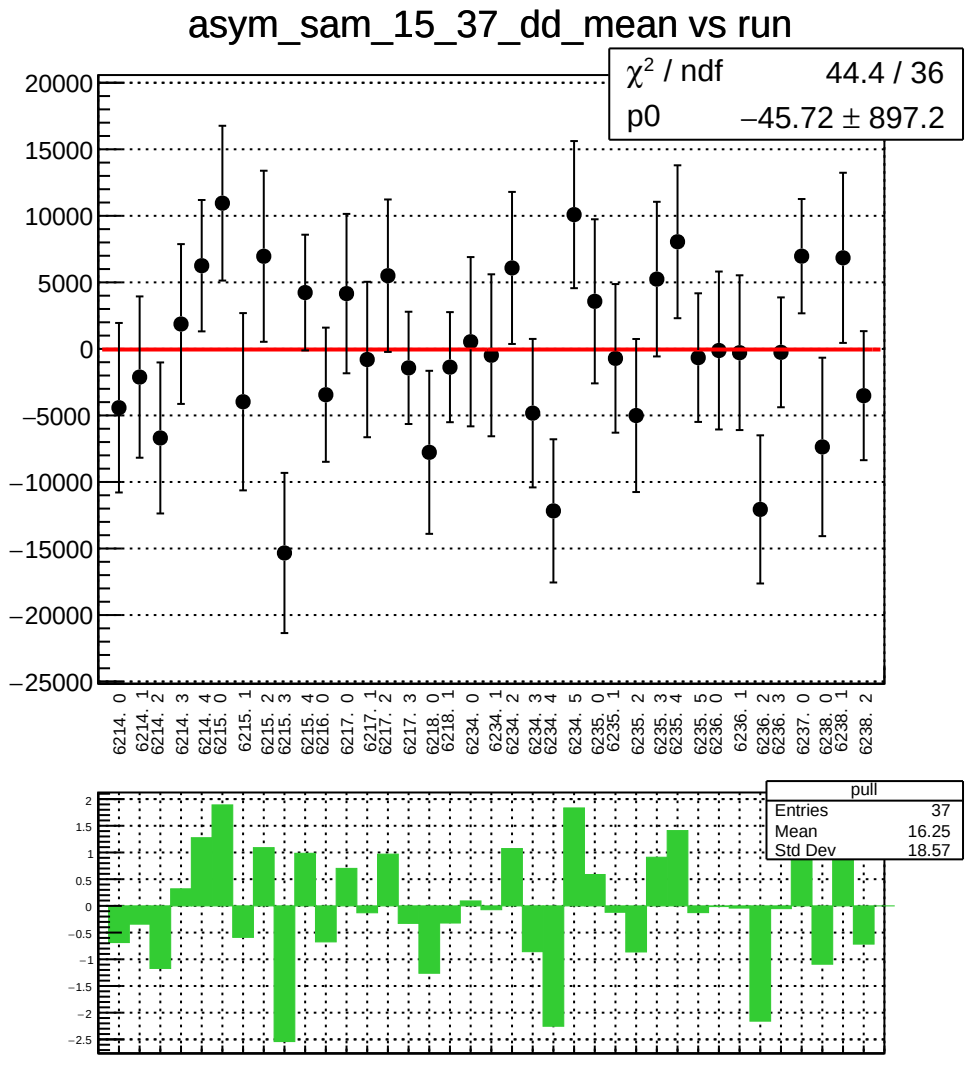

asym_sam_13_57_dd_rms vs run
χ² / ndf 1906 / 36
p0 572.7 ± 0.655
640
620
600
580
560
540
520
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

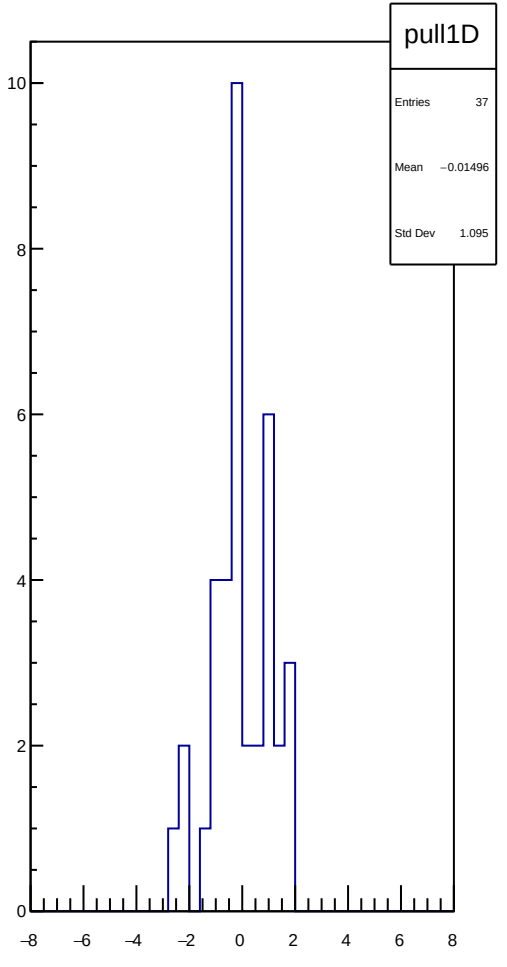

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 36.27 / 36
p0 −71.33 ± 81.18
1500
1000
500
0
−500
−1000
−1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −208.6
Std Dev 227.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.005732
Std Dev 0.9901
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

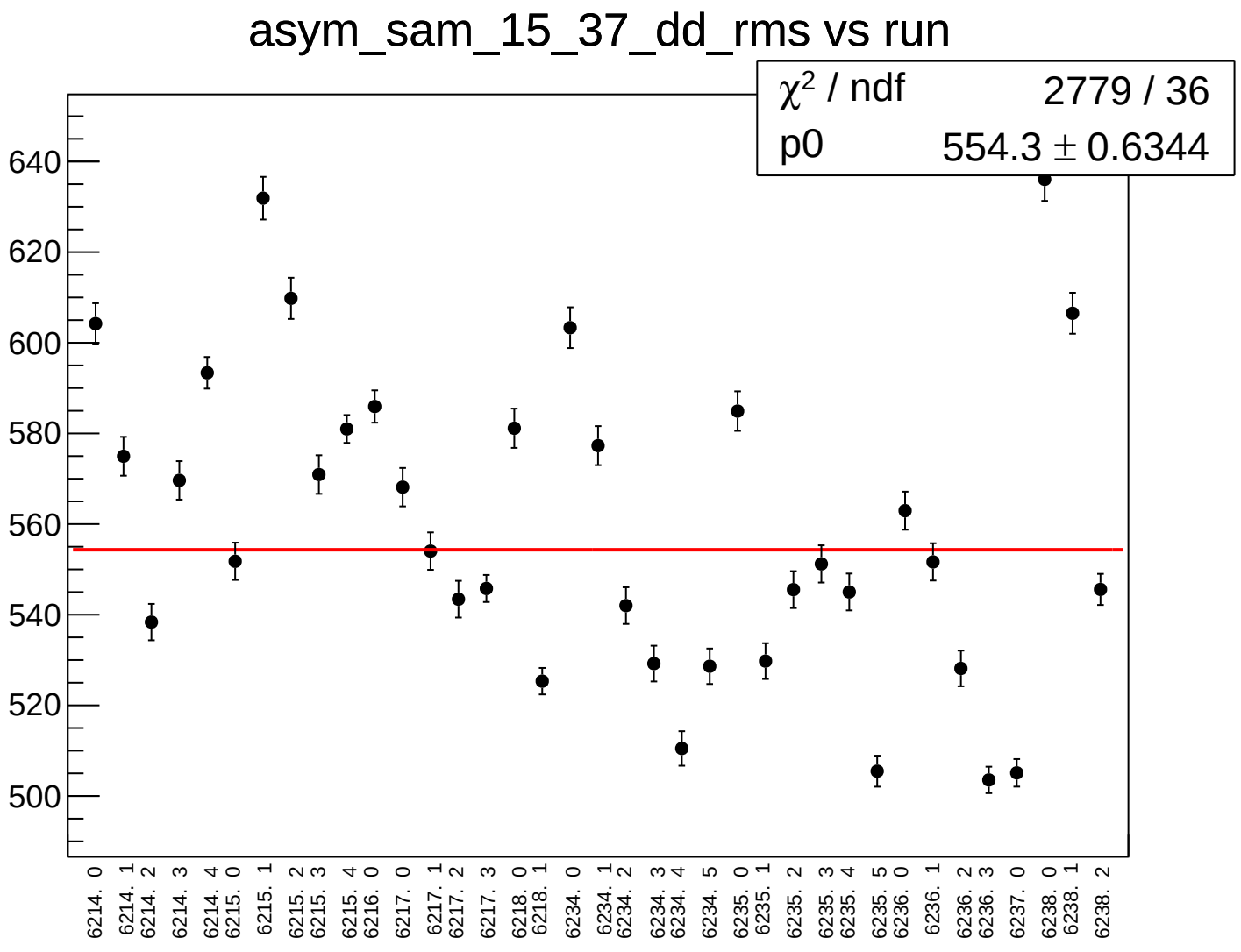

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.378e+04 / 36
p0 49.79 ± 0.0574
85
80
75
70
65
60
55
50
45
40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

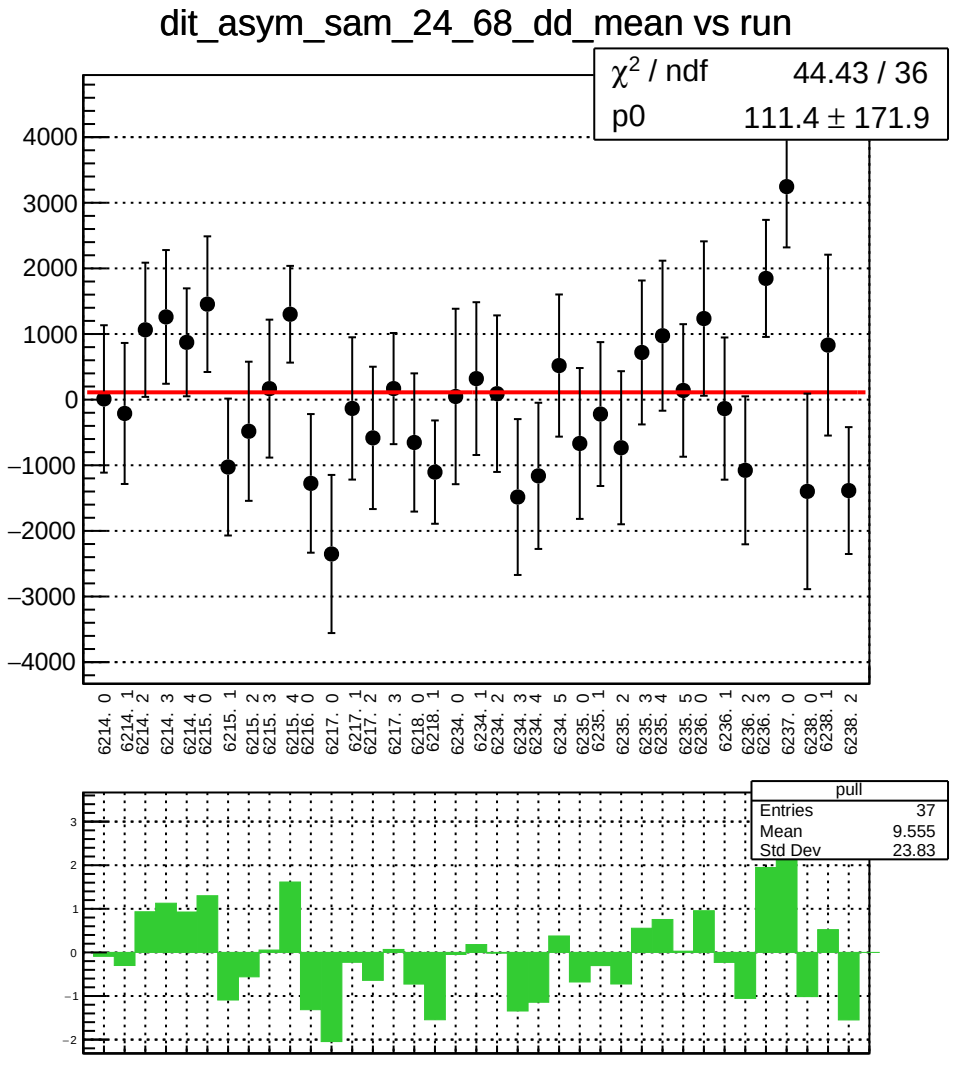

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 44.9 / 36
p0 23.62 ± 904.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 20.6
Std Dev 19.92
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01206
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

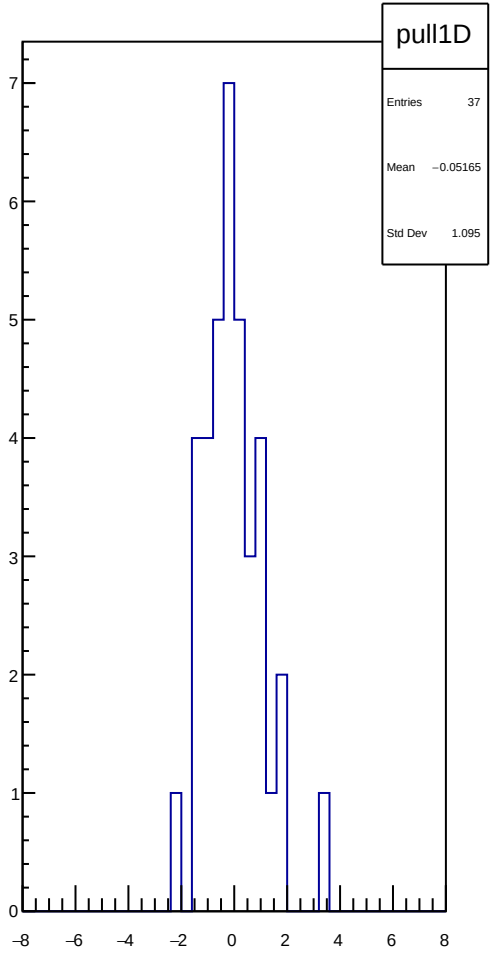

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2518 / 36
p0 559.2 ± 0.6398
640
620
600
580
560
540
520
500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

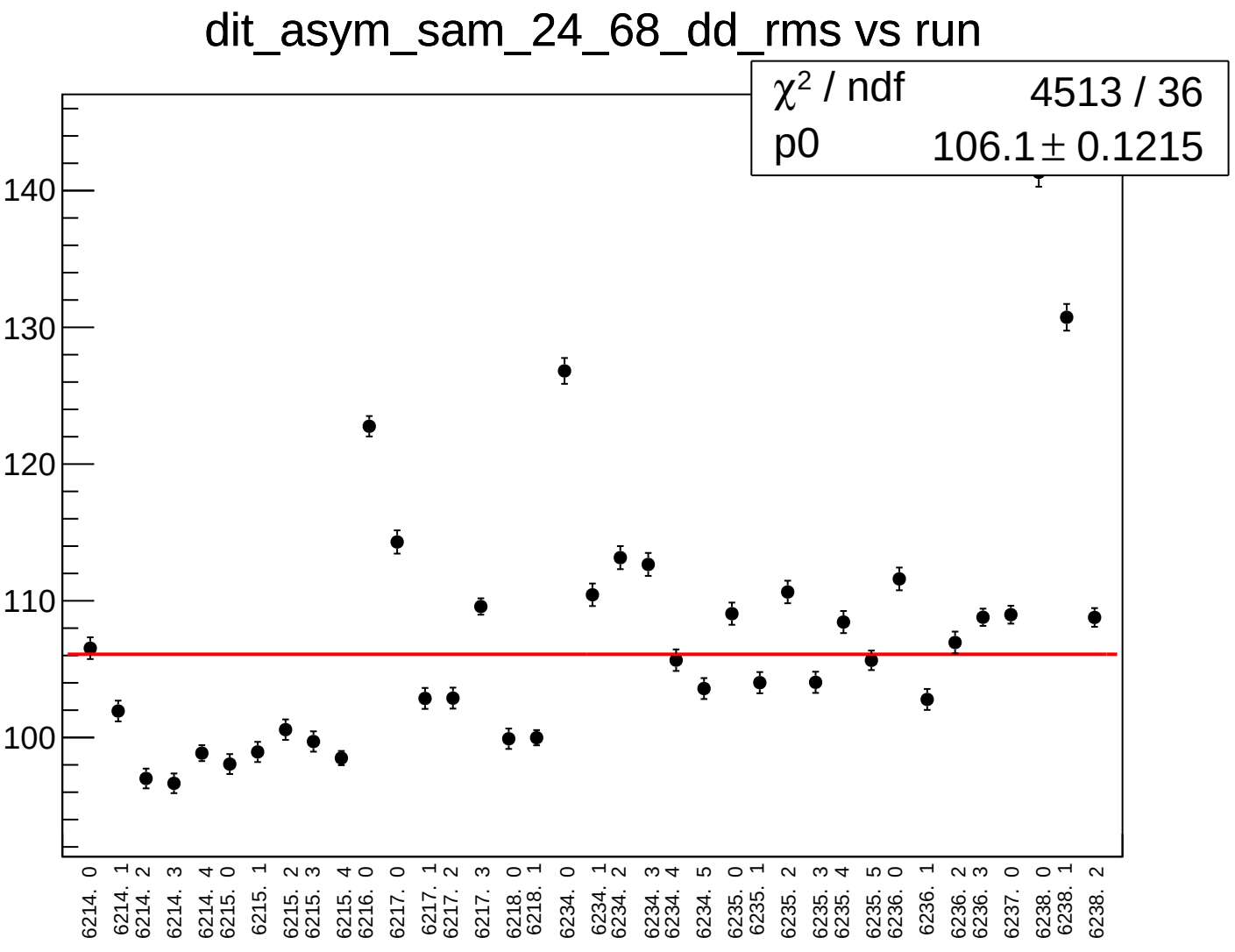

asym_sam_15_37_dd_mean vs run
χ² / ndf 44.4 / 36
p0 −45.72 ± 897.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 16.25
Std Dev 18.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

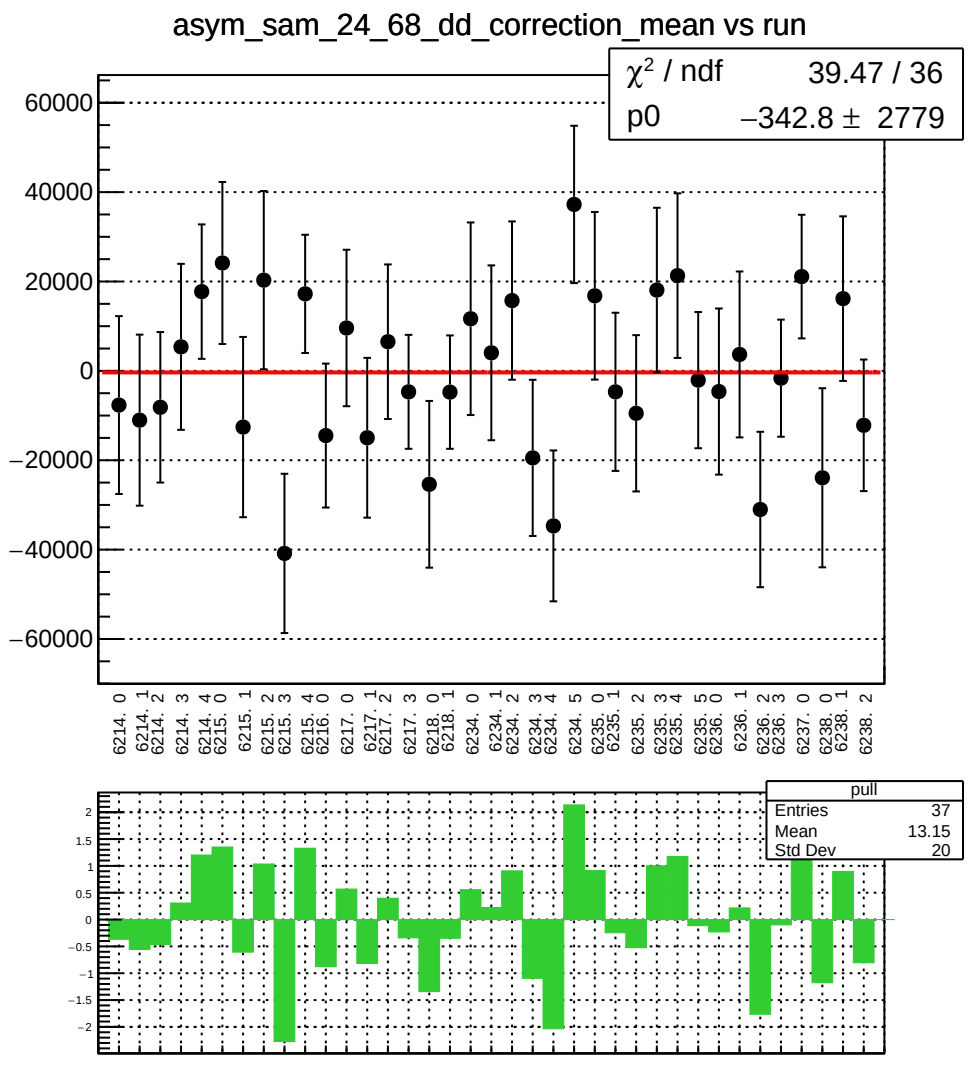

pull1D
Entries 37
Mean −0.01496
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

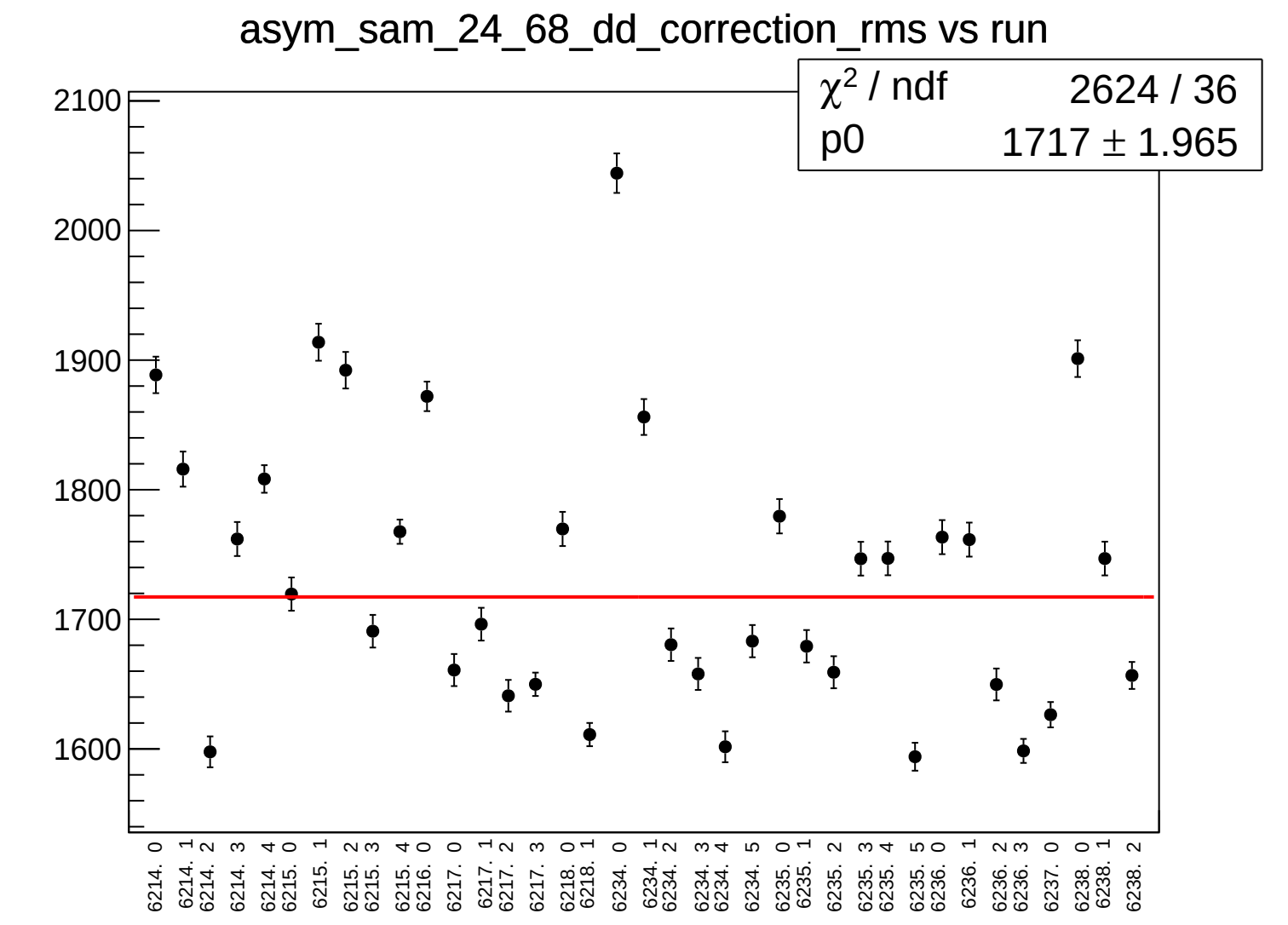

asym_sam_15_37_dd_rms vs run
χ² / ndf 2779 / 36
p0 554.3 ± 0.6344
640
620
600
580
560
540
520
500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

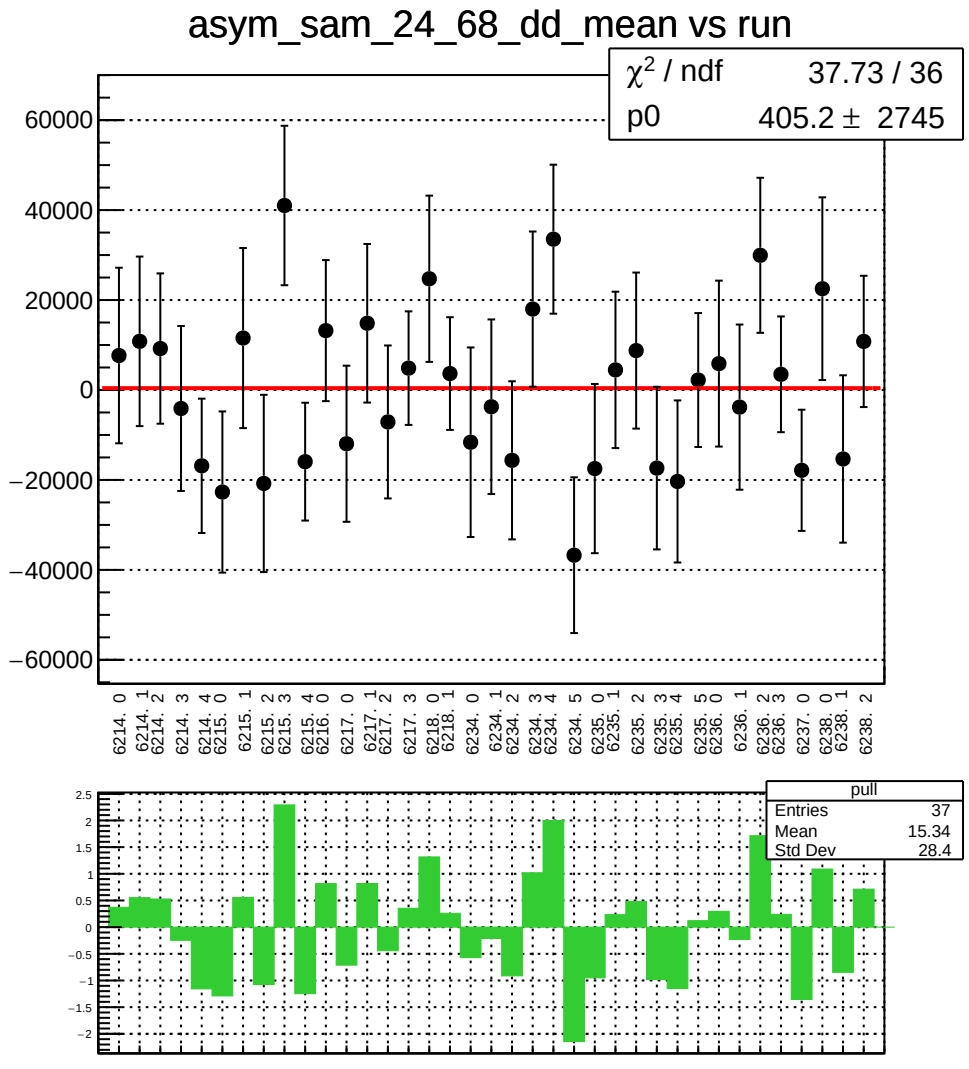

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 44.43 / 36
p0 111.4 ± 171.9
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 9.555
Std Dev 23.83
3
2
1
0
−1
−2

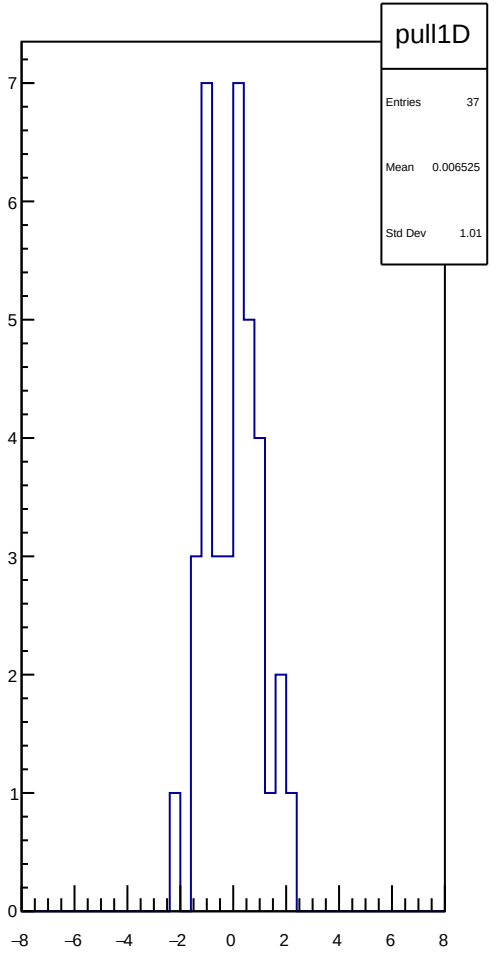

pull1D
Entries 37
Mean −0.05165
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

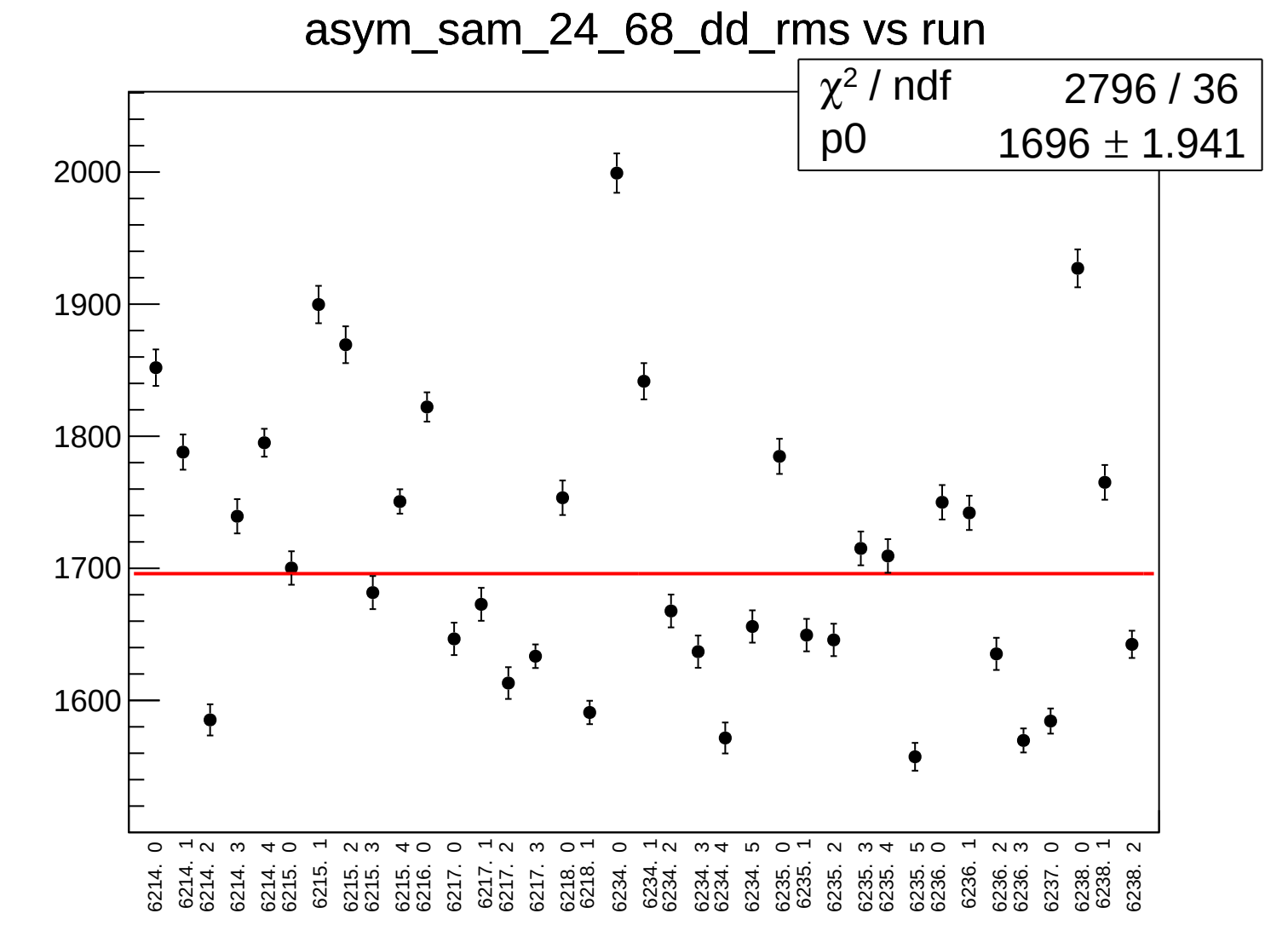

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4513 / 36
p0 106.1 ± 0.1215
140
130
120
110
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

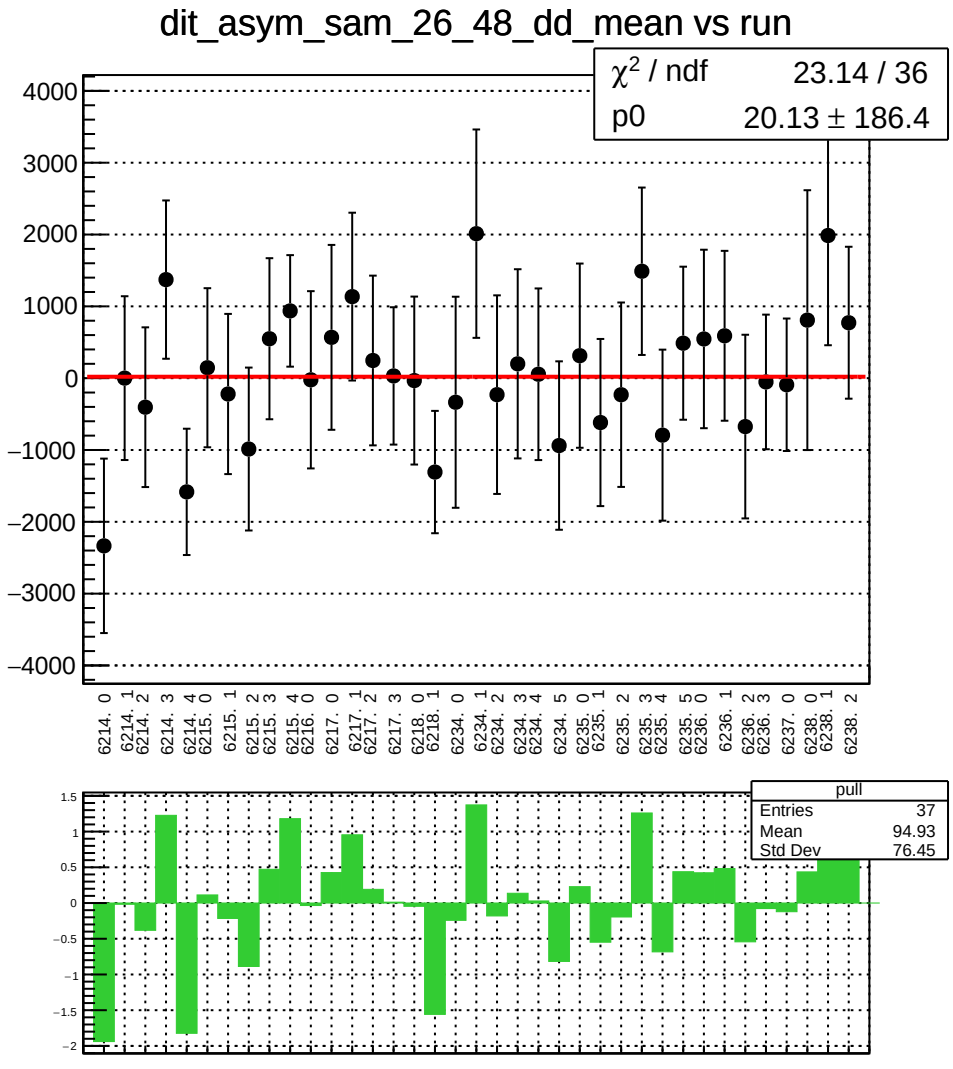

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 39.47 / 36
p0 −342.8 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 13.15
Std Dev 20
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.008385
Std Dev 1.033
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

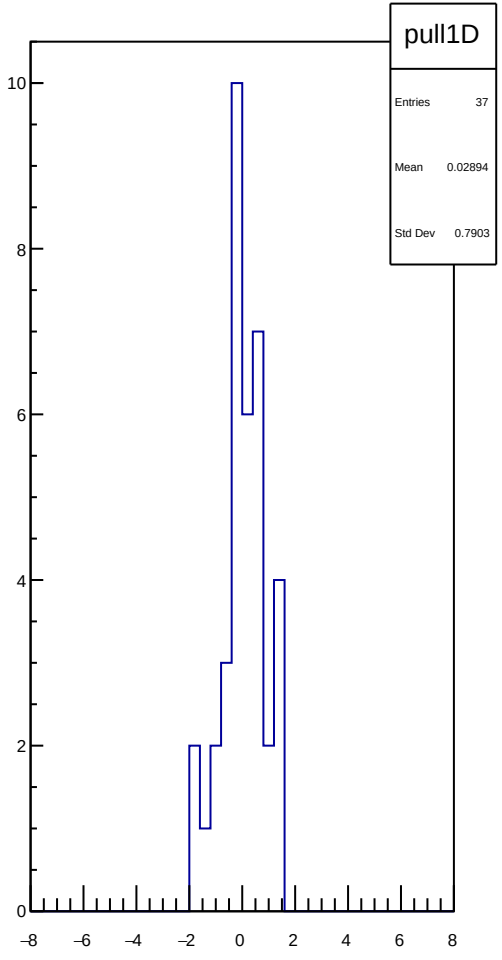

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2624 / 36
p0 1717 ± 1.965
2100
2000
1900
1800
1700
1600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

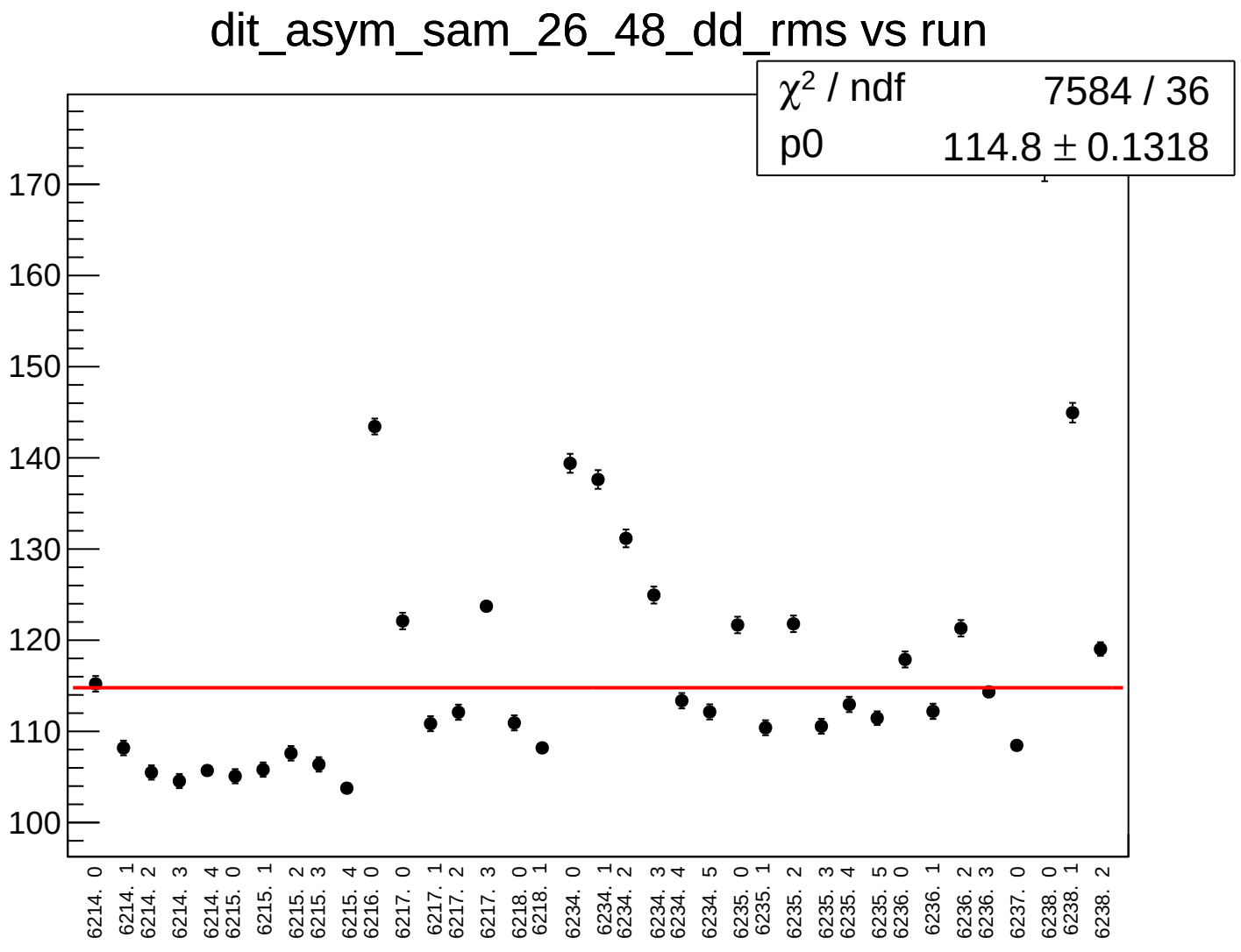

asym_sam_24_68_dd_mean vs run
χ² / ndf 37.73 / 36
p0 405.2 ± 2745
60000
40000
20000
0
−20000
−40000
−60000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 15.34
Std Dev 28.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

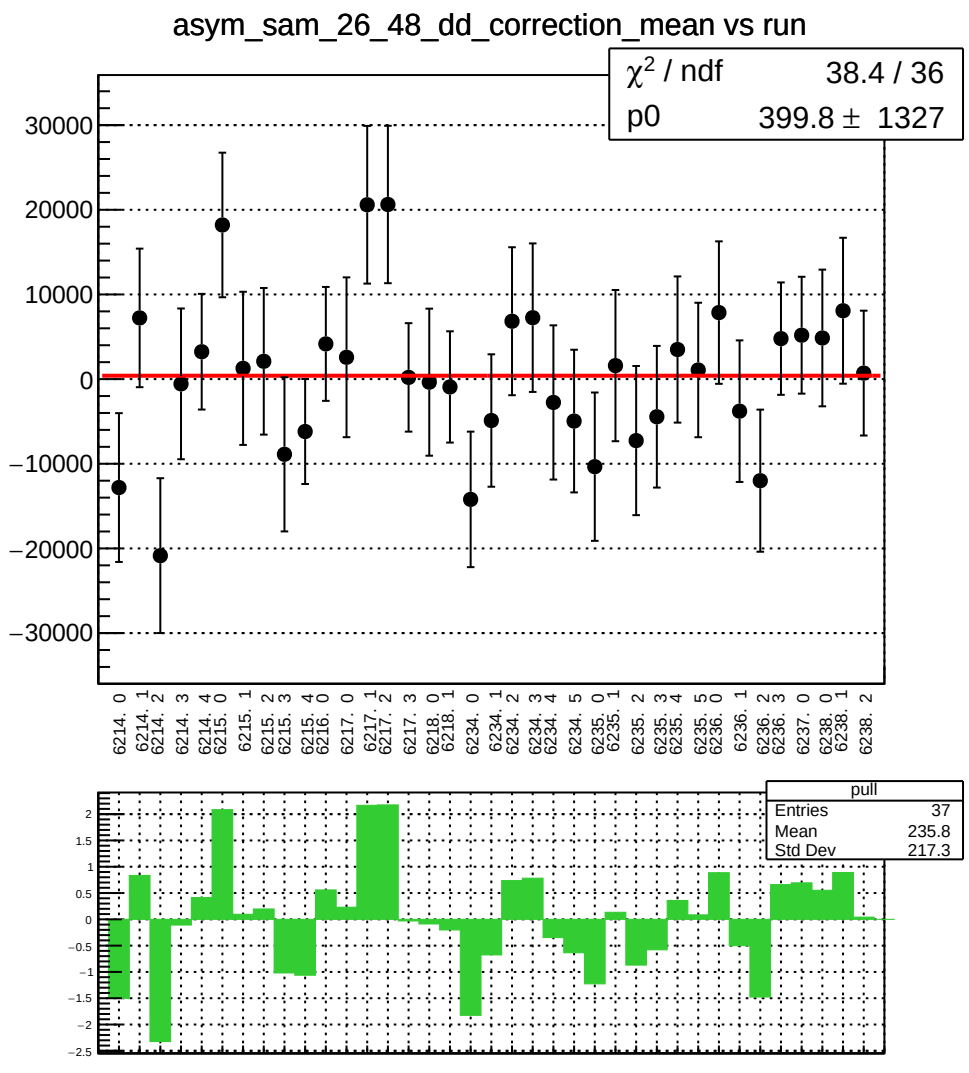

pull1D
Entries 37
Mean 0.006525
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

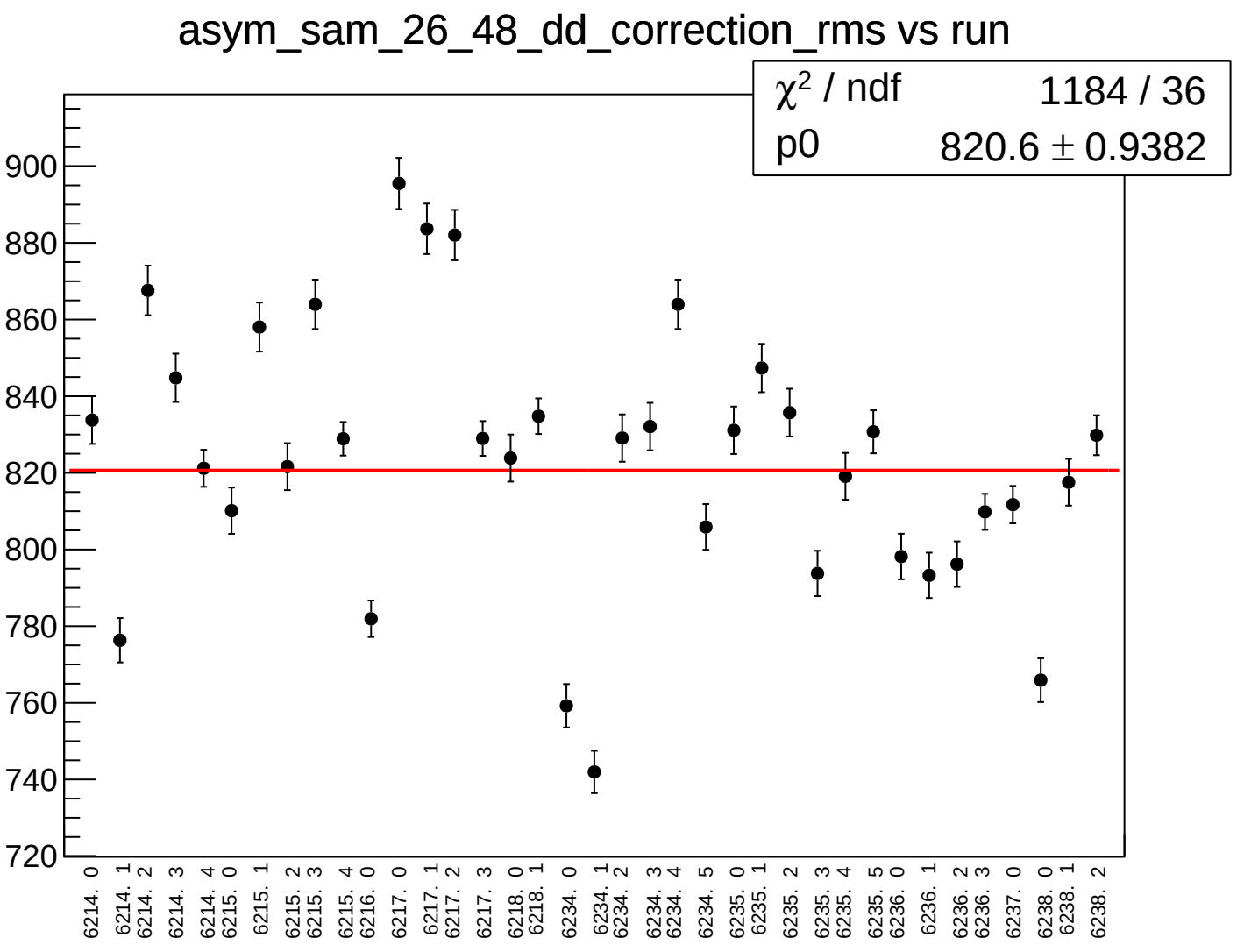

asym_sam_24_68_dd_rms vs run
χ² / ndf 2796 / 36
p0 1696 ± 1.941
2000
1900
1800
1700
1600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

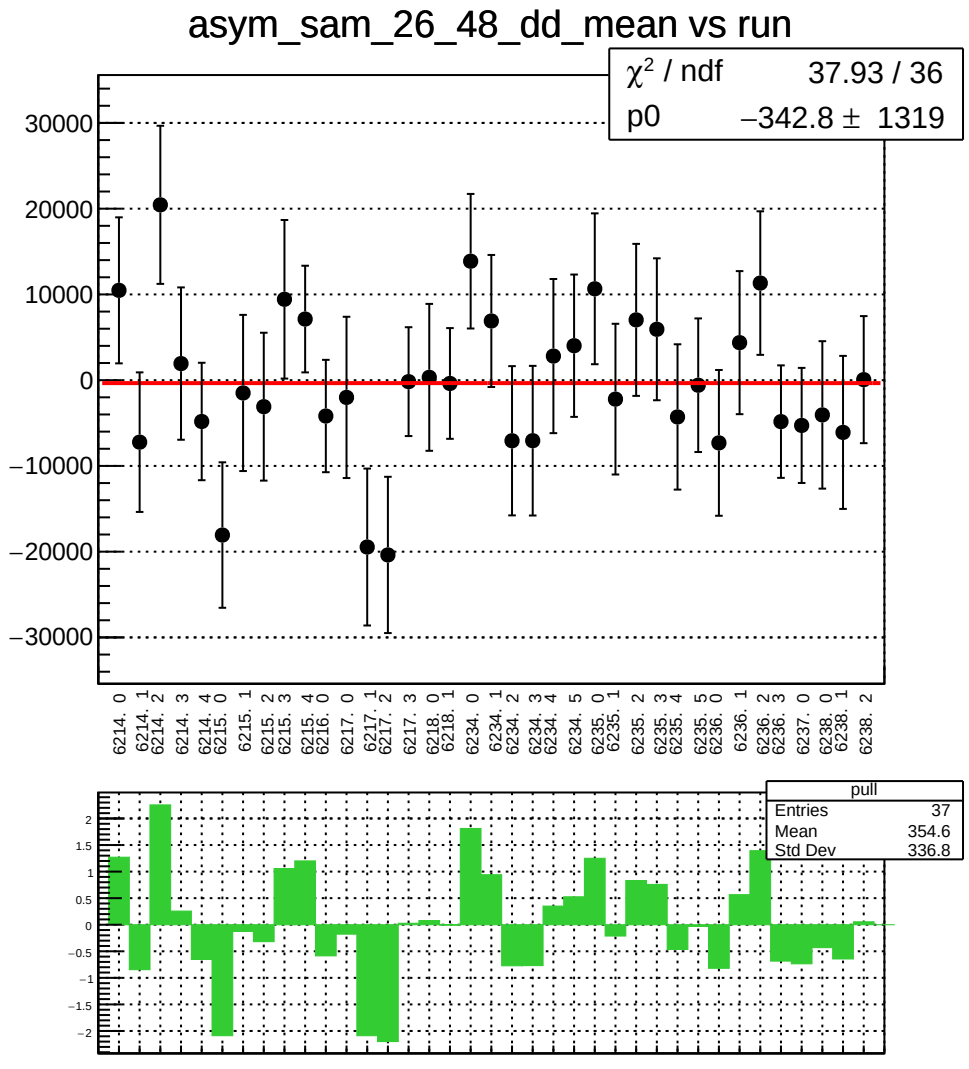

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 23.14 / 36
p0 20.13 ± 186.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 94.93
Std Dev 76.45
1.5
1
0.5
0
−0.5
−1
−1.5
−2

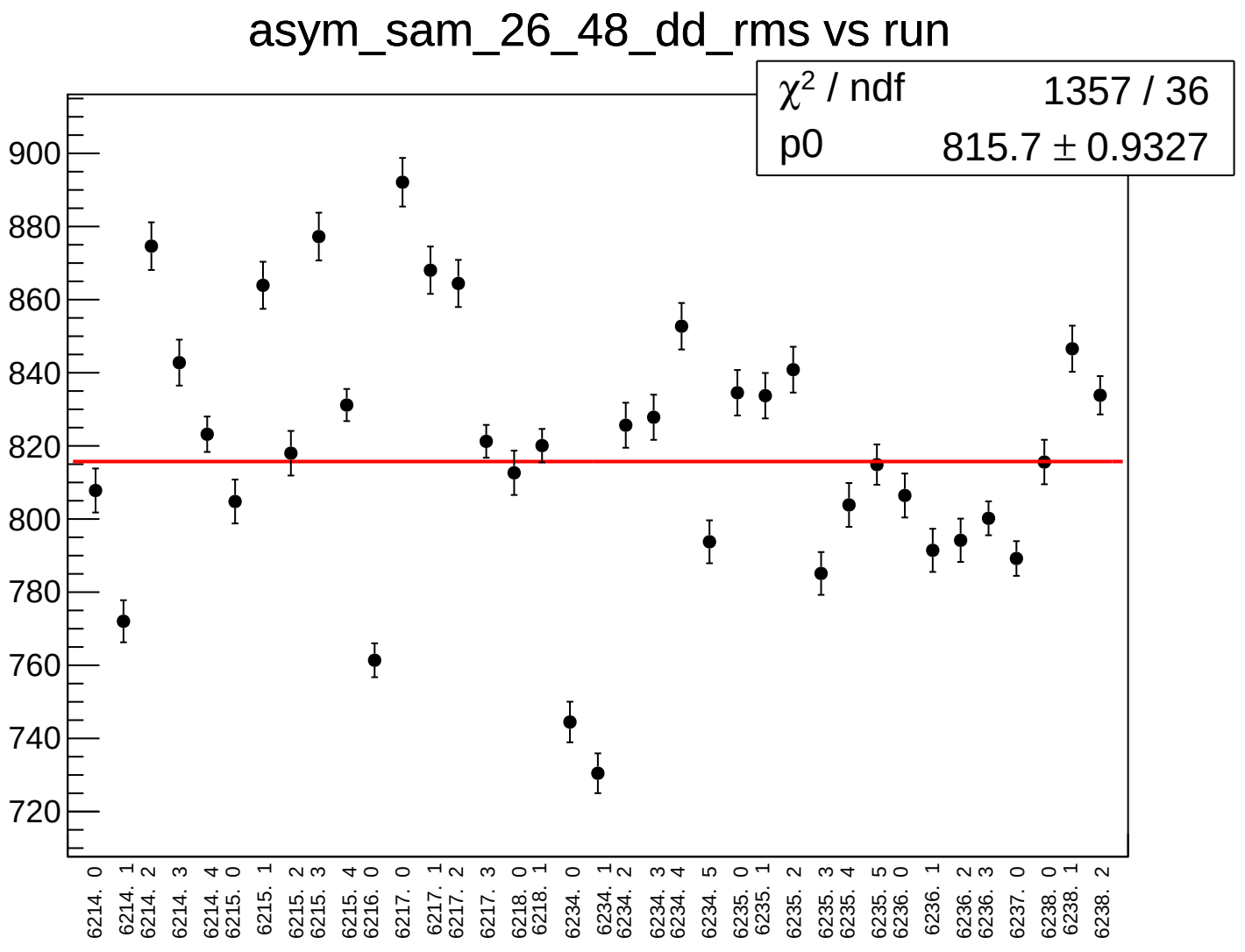

pull1D
Entries 37
Mean 0.02894
Std Dev 0.7903
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

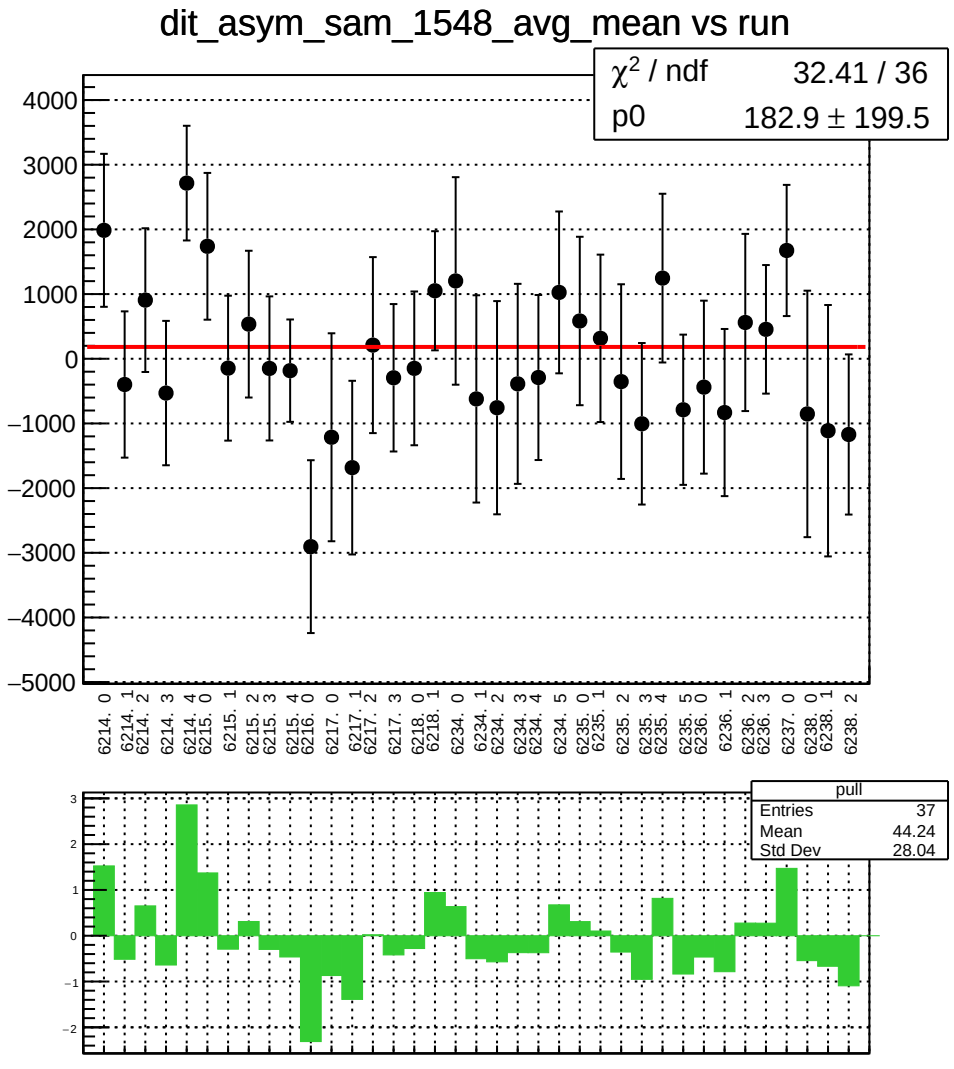

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7584 / 36
p0 114.8 ± 0.1318
170
160
150
140
130
120
110
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

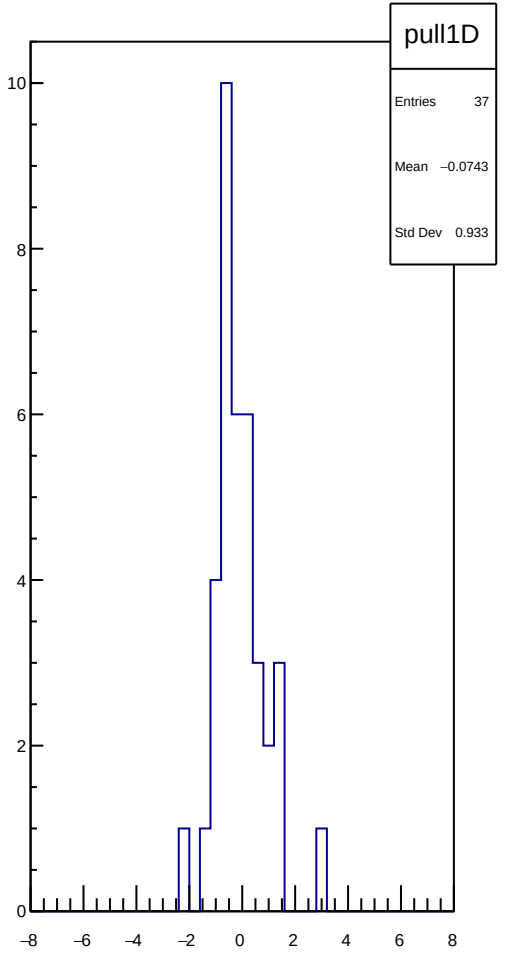

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 38.4 / 36
p0 399.8 ± 1327
30000
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 235.8
Std Dev 217.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.002922
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

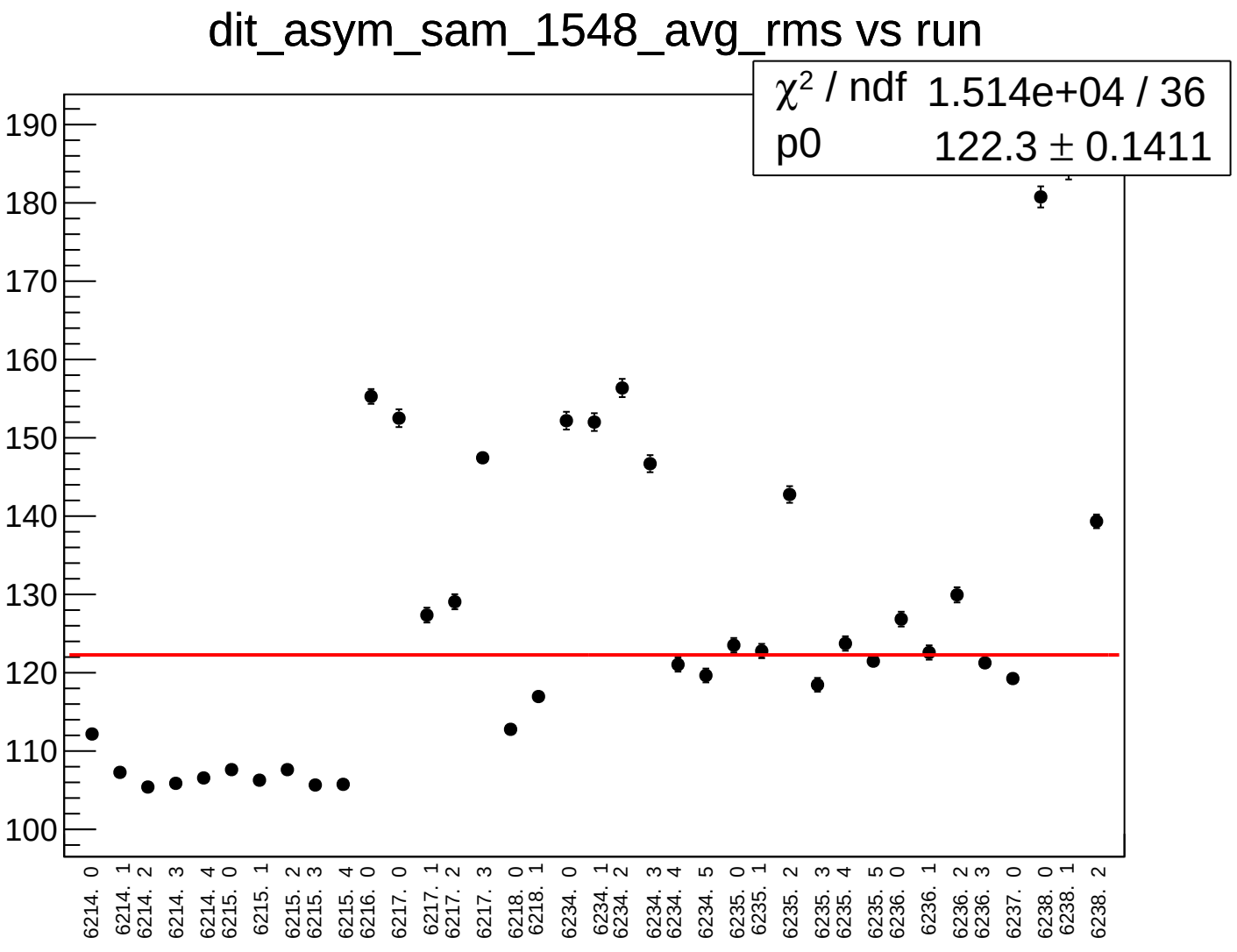

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1184 / 36
p0 820.6 ± 0.9382
900
880
860
840
820
800
780
760
740
720
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

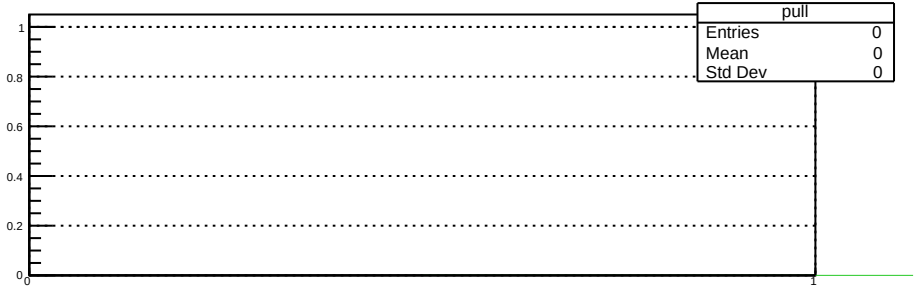

asym_sam_26_48_dd_mean vs run
χ² / ndf 37.93 / 36
p0 −342.8 ± 1319
30000
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 354.6
Std Dev 336.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.0007674
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

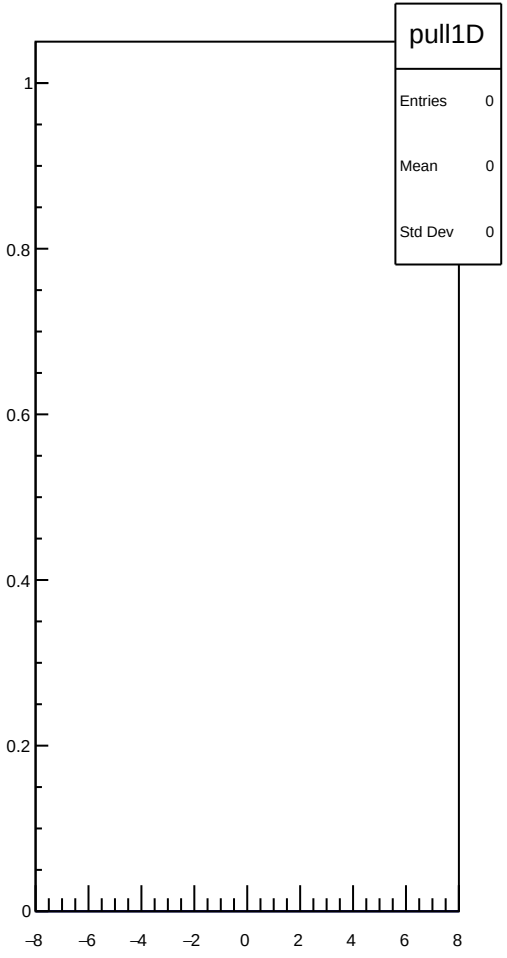

asym_sam_26_48_dd_rms vs run
χ² / ndf 1357 / 36
p0 815.7 ± 0.9327
900
880
860
840
820
800
780
760
740
720
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

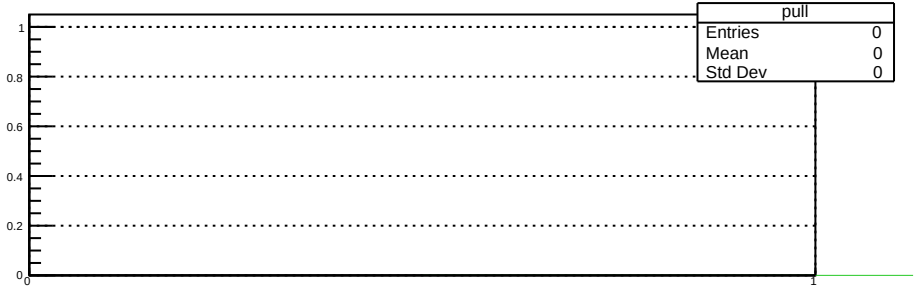

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 32.41 / 36
p0 182.9 ± 199.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 44.24
Std Dev 28.04
3
2
1
0
−1
−2

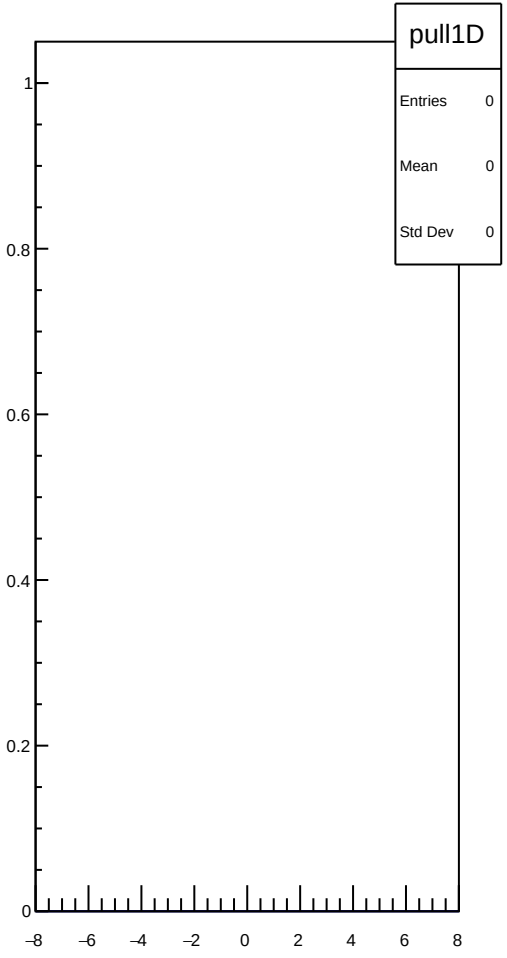

pull1D
Entries 37
Mean −0.0743
Std Dev 0.933
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

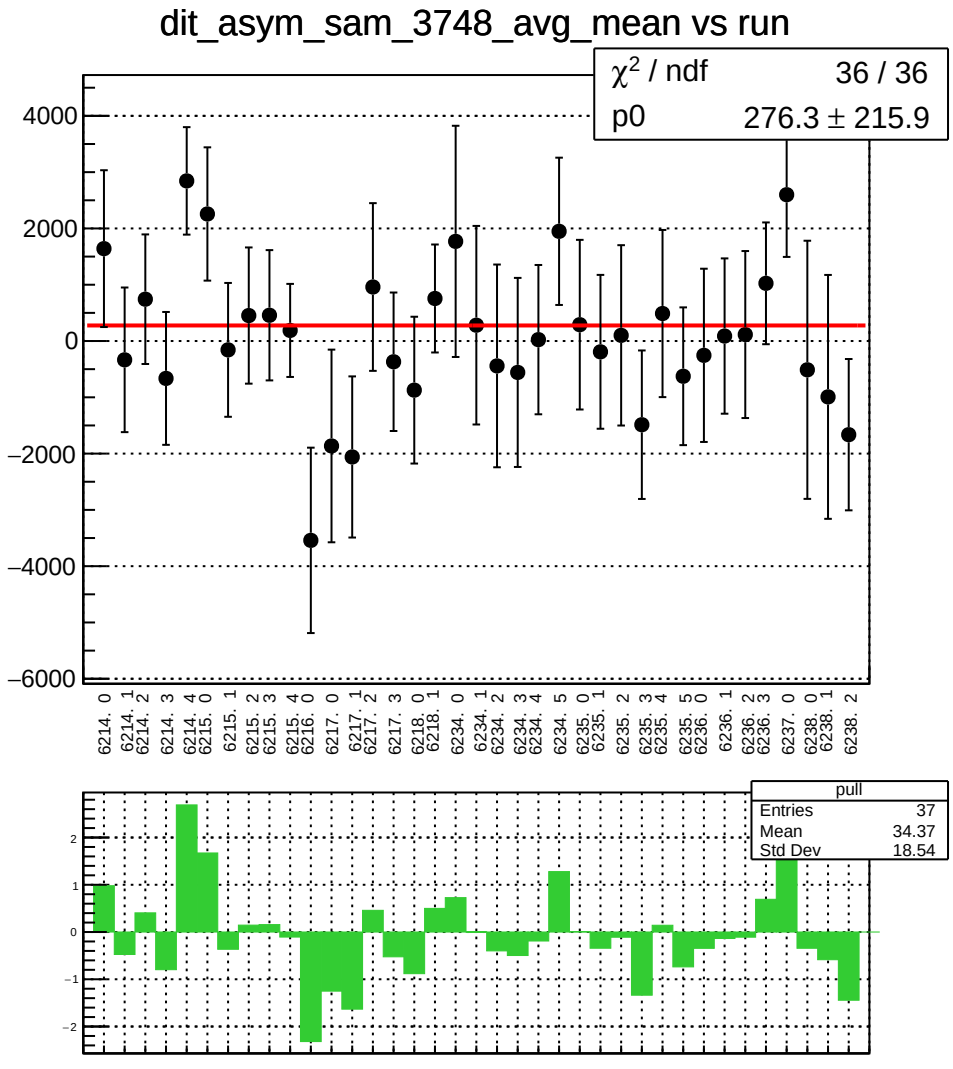

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.514e+04 / 36
p0 122.3 ± 0.1411
190
180
170
160
150
140
130
120
110
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

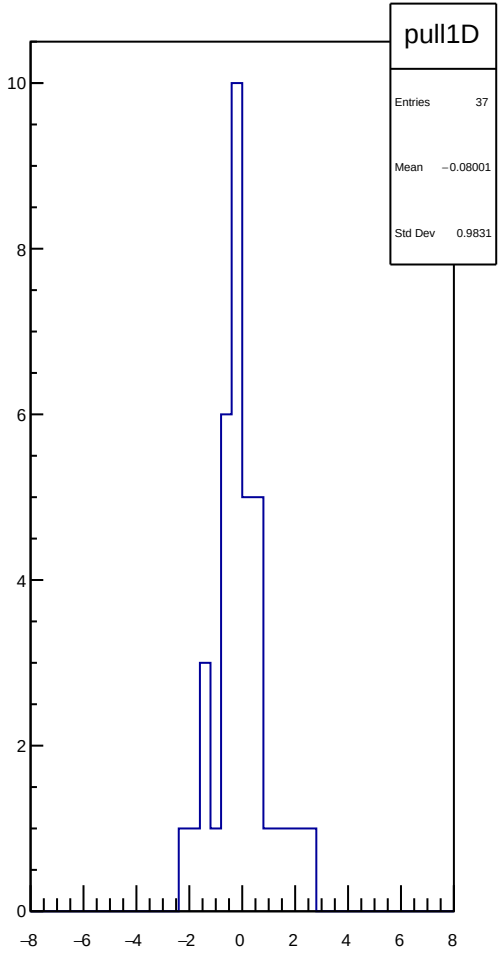

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

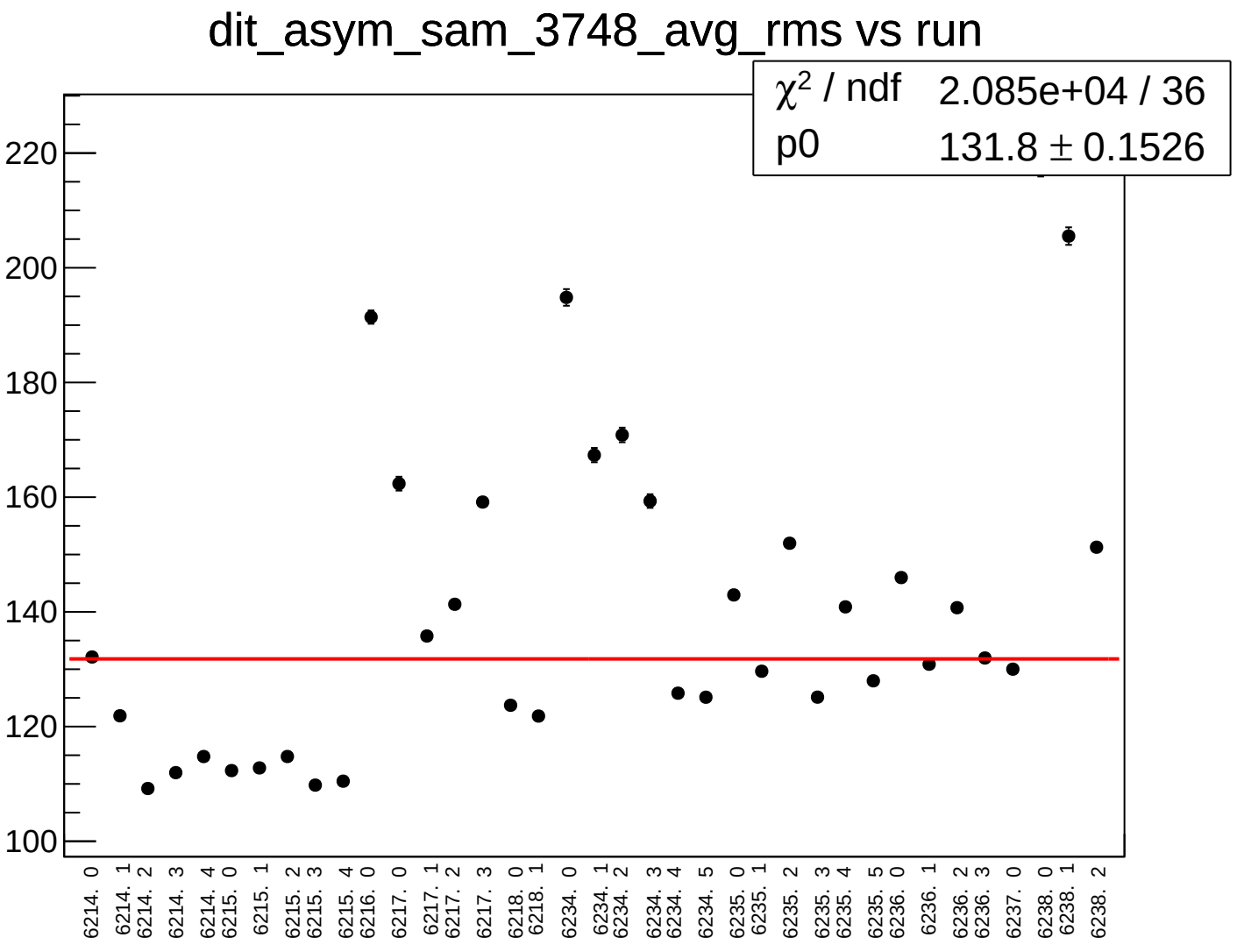

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

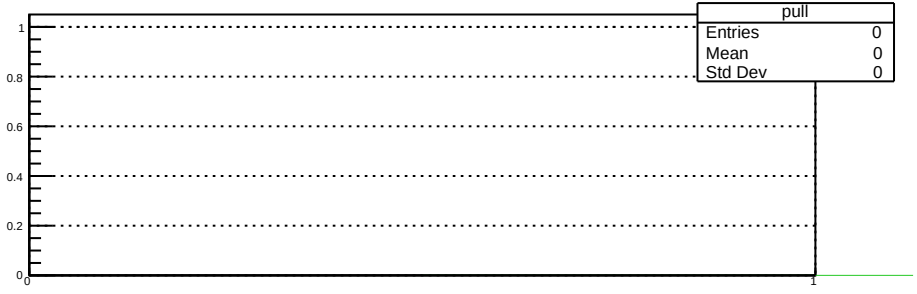

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

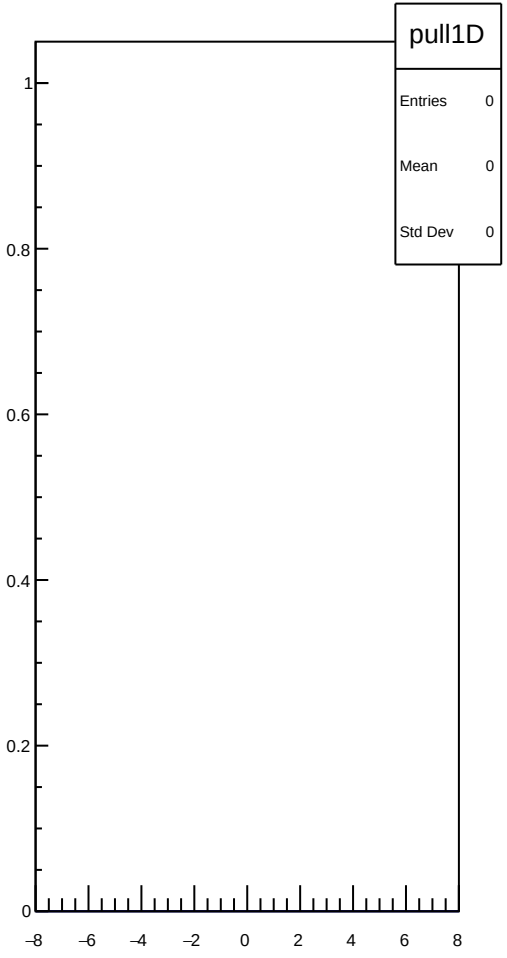

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

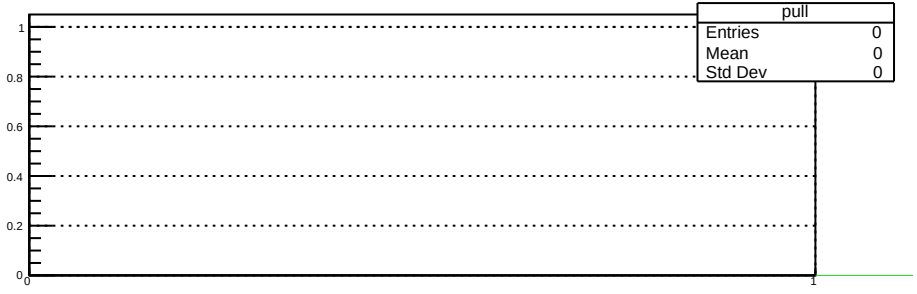

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 36 / 36
p0 276.3 ± 215.9
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 34.37
Std Dev 18.54
2
1
0
−1
−2

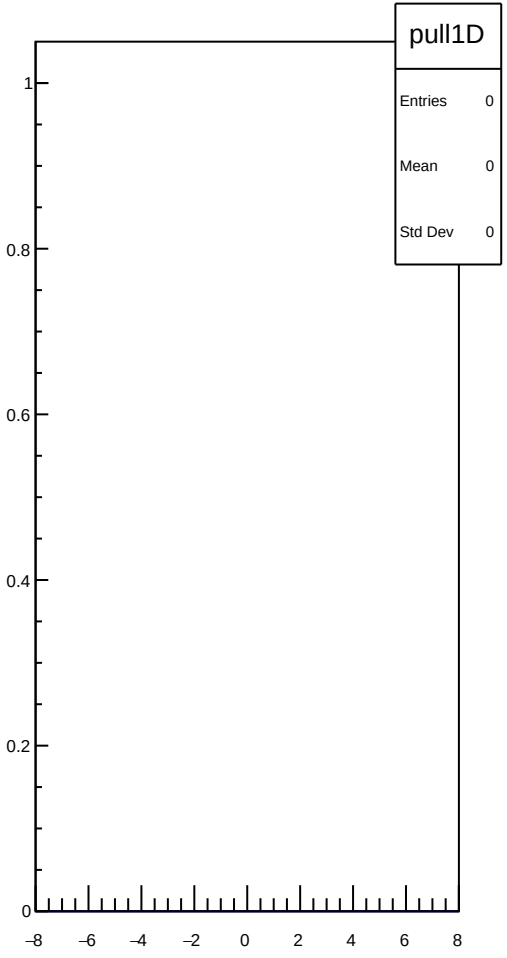

pull1D
Entries 37
Mean −0.08001
Std Dev 0.9831
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

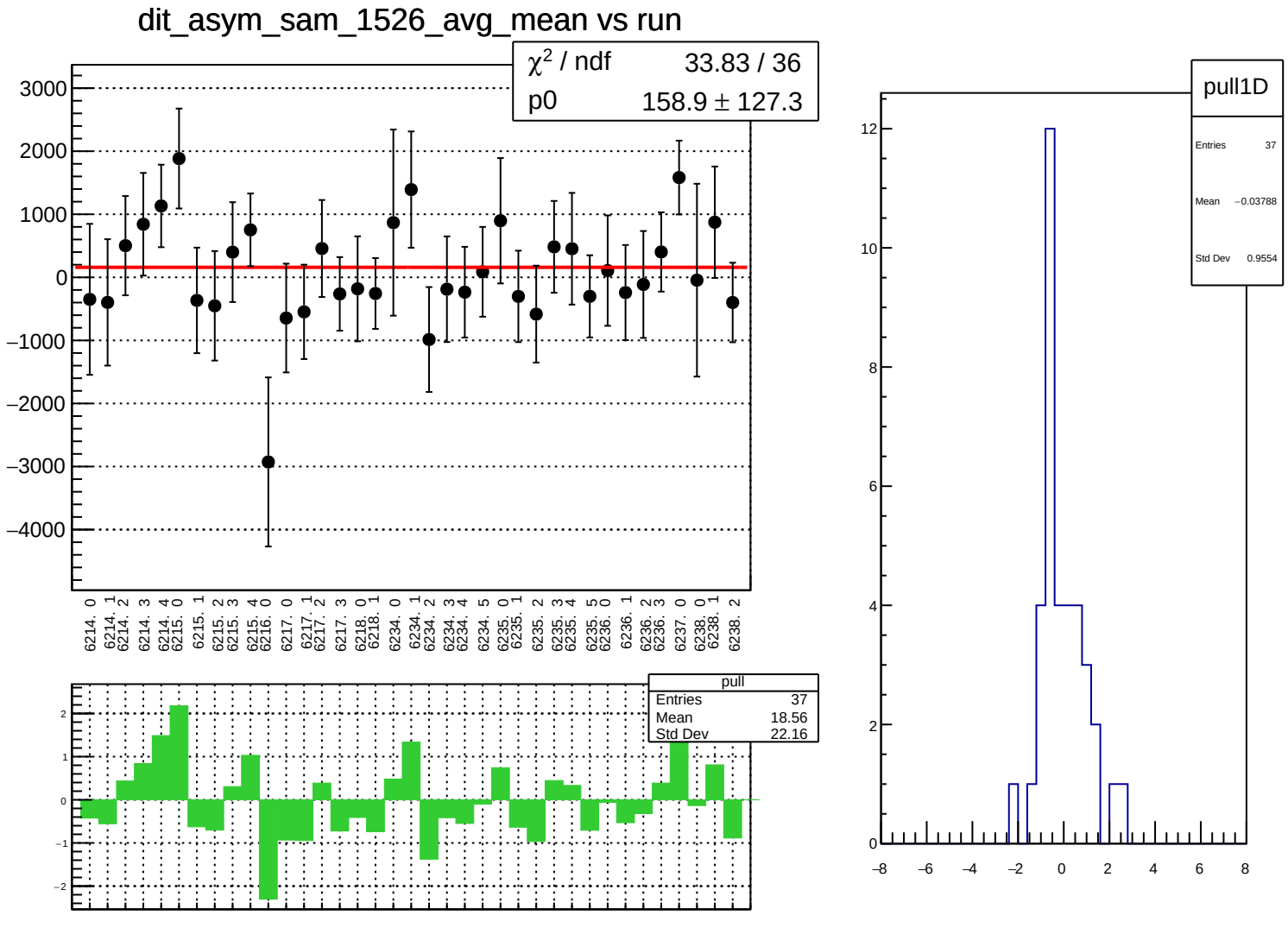

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.085e+04 / 36
p0 131.8 ± 0.1526
220
200
180
160
140
120
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

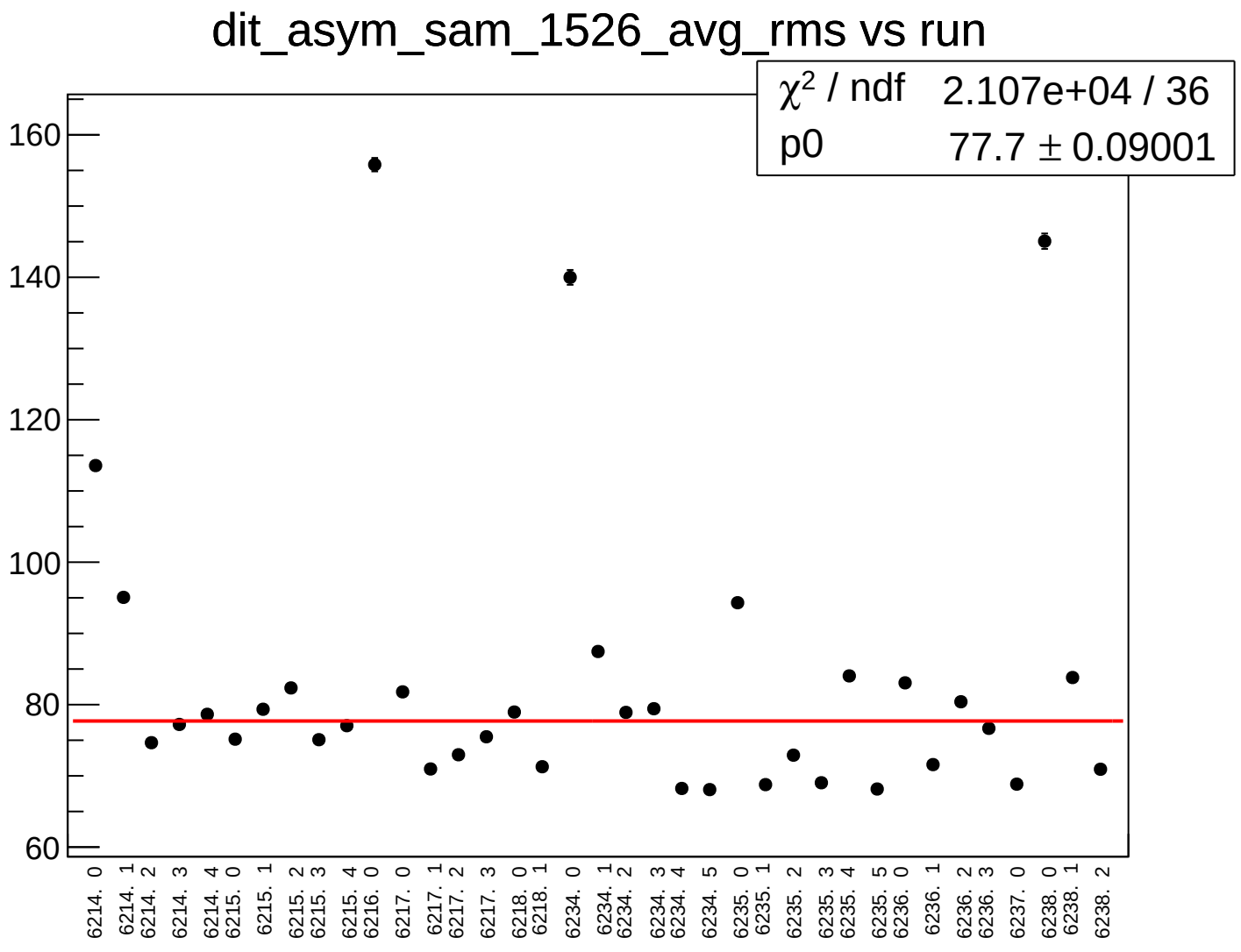

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

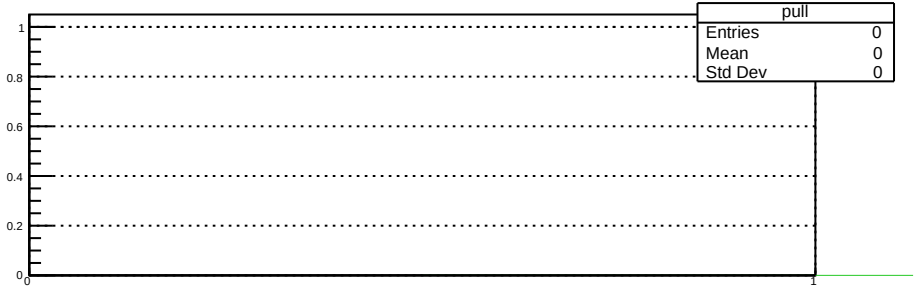

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

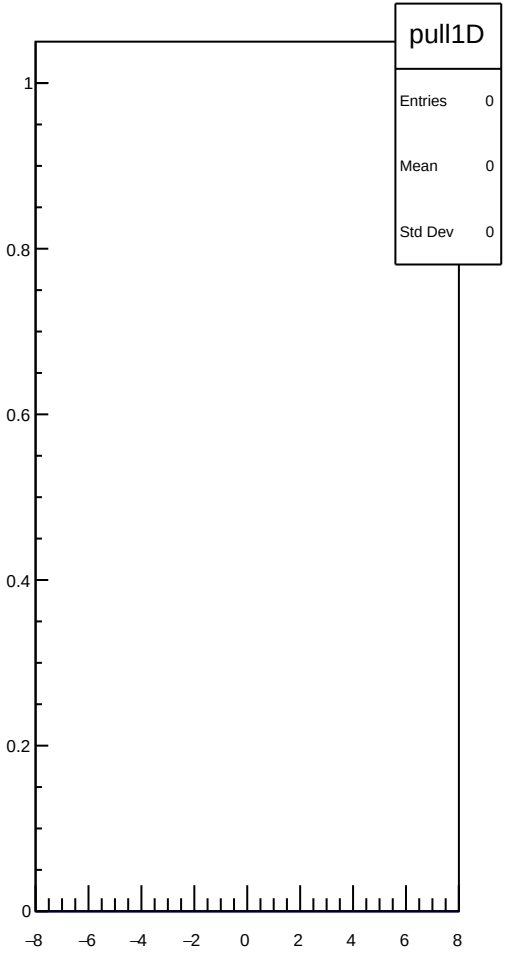

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

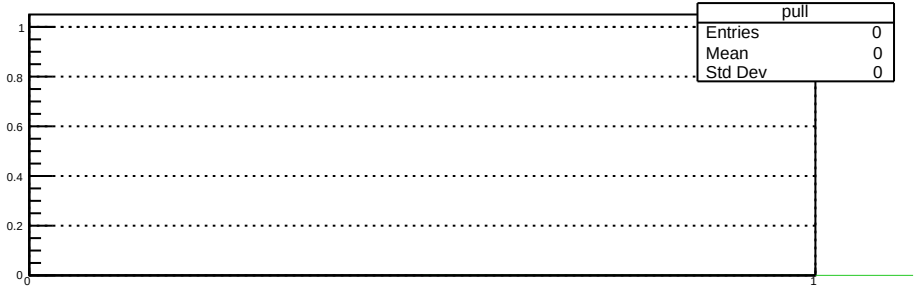

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

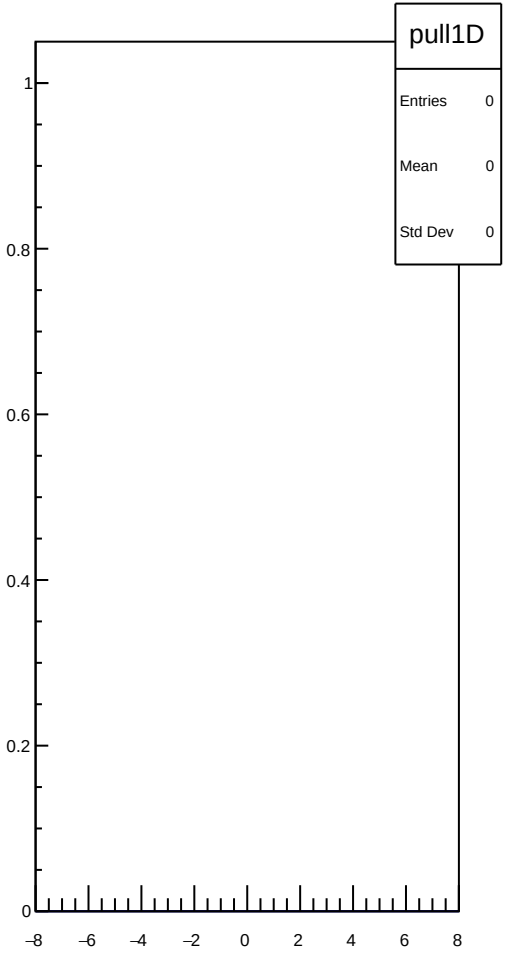

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 33.83 / 36
p0 158.9 ± 127.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 18.56
Std Dev 22.16
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.03788
Std Dev 0.9554
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

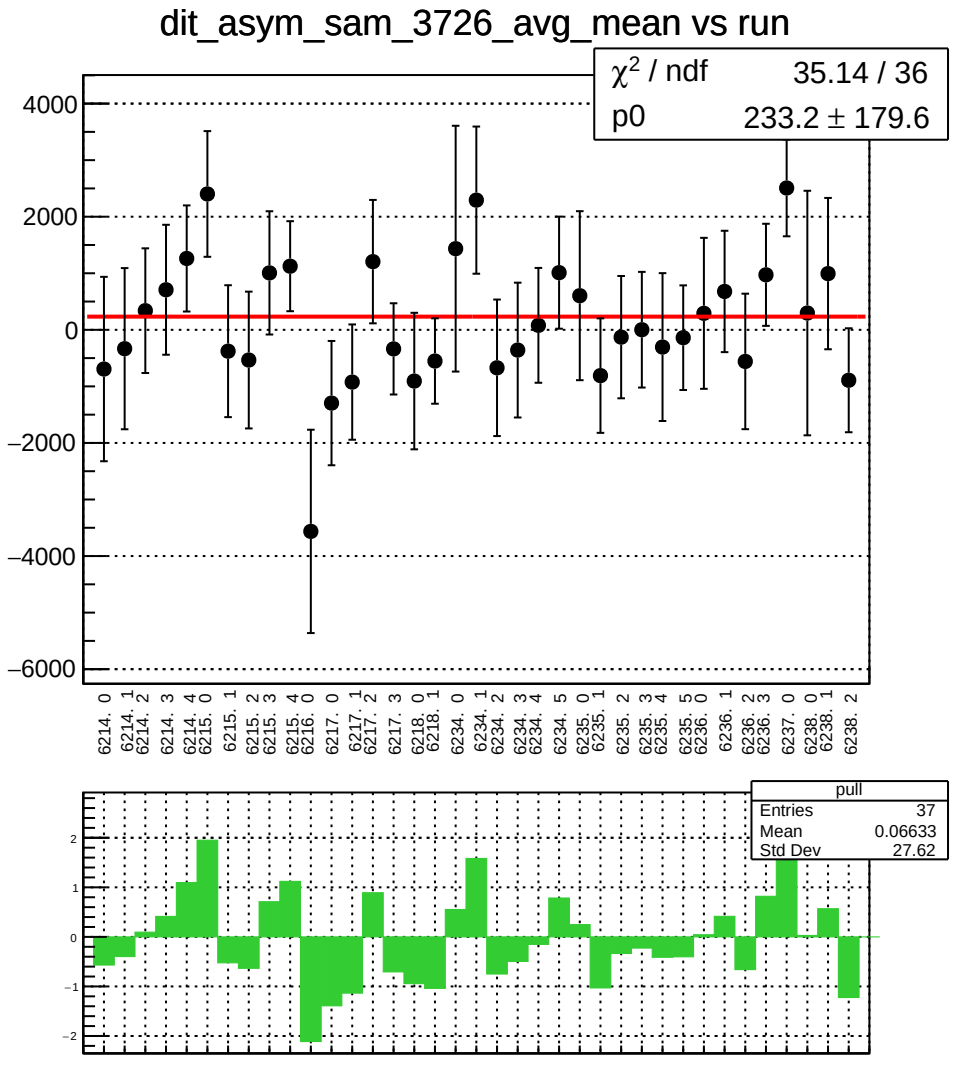

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.107e+04 / 36
p0 77.7 ± 0.09001
160
140
120
100
80
60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

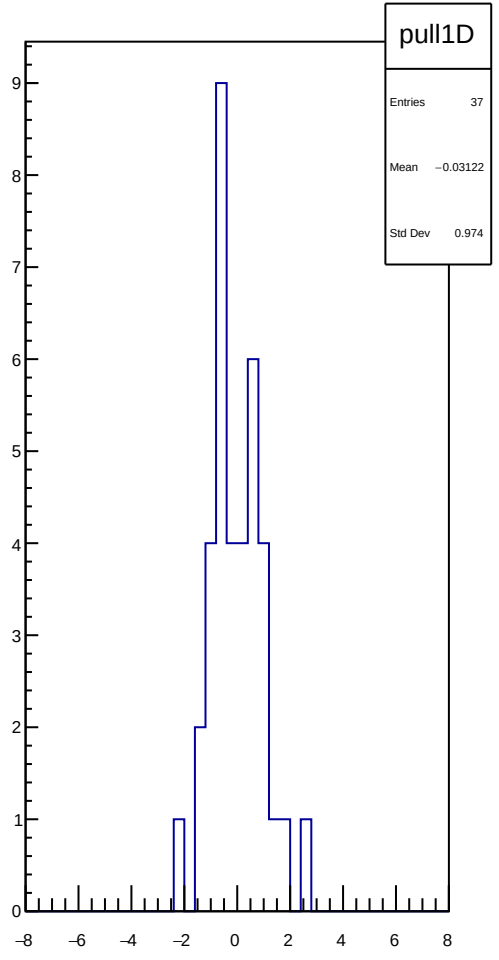

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

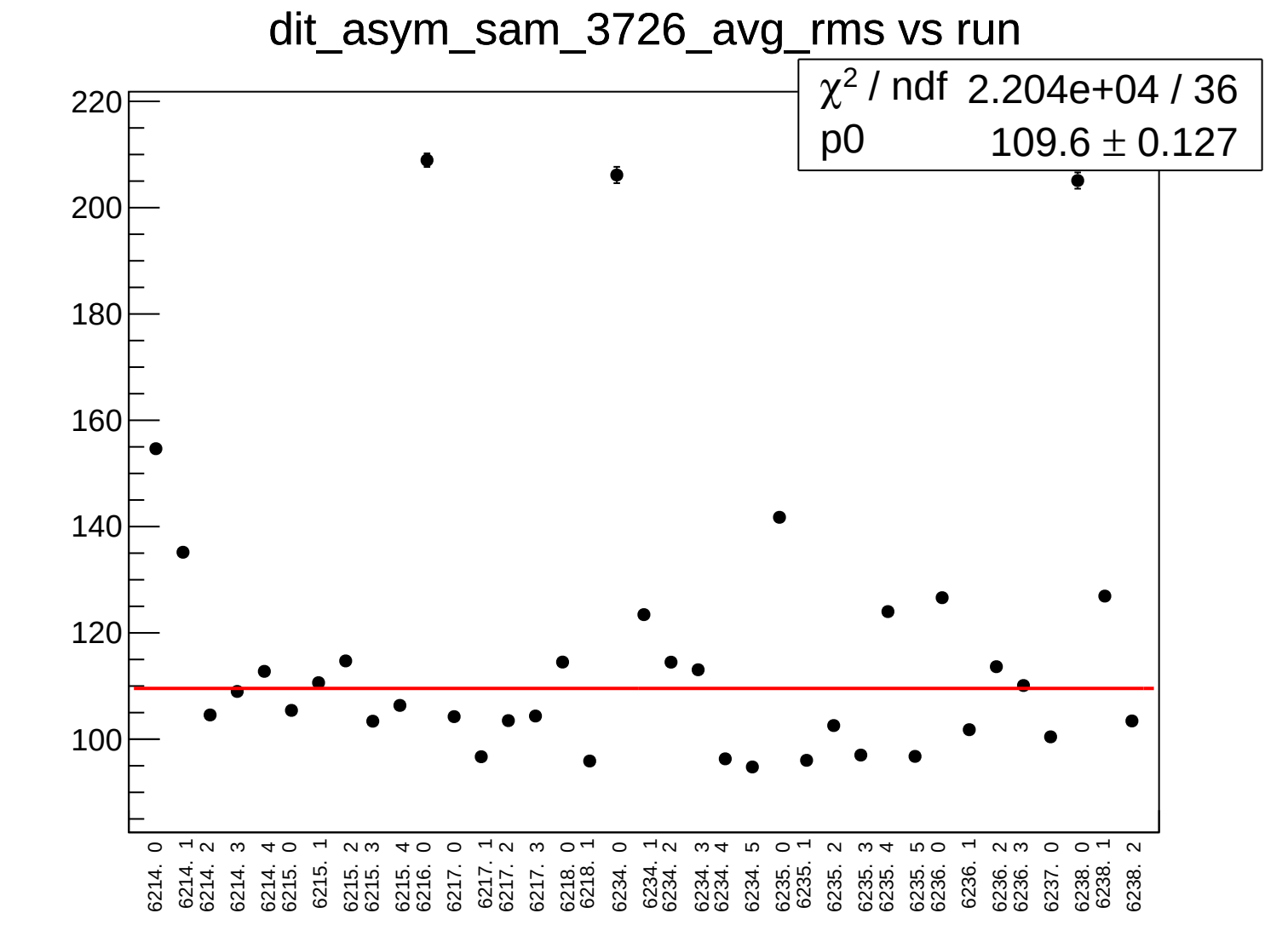

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

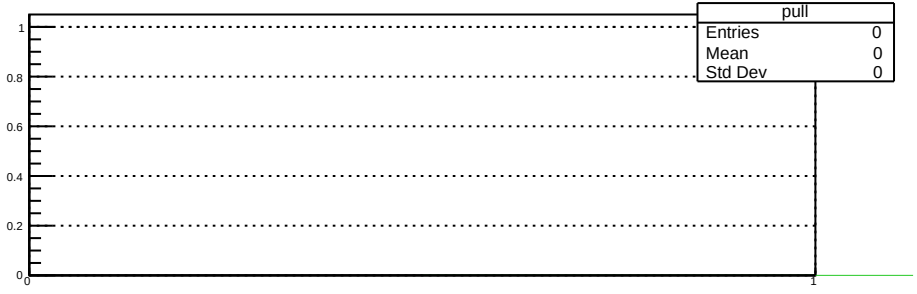

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

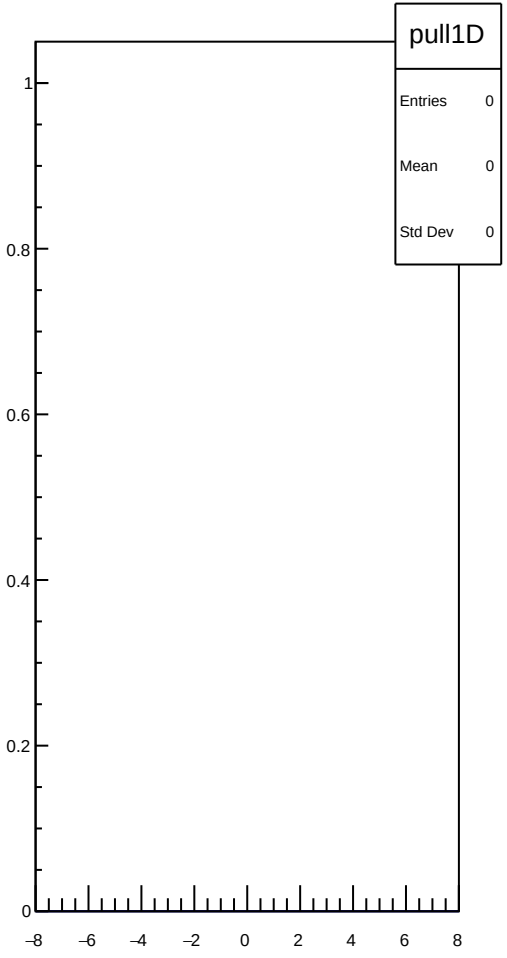

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

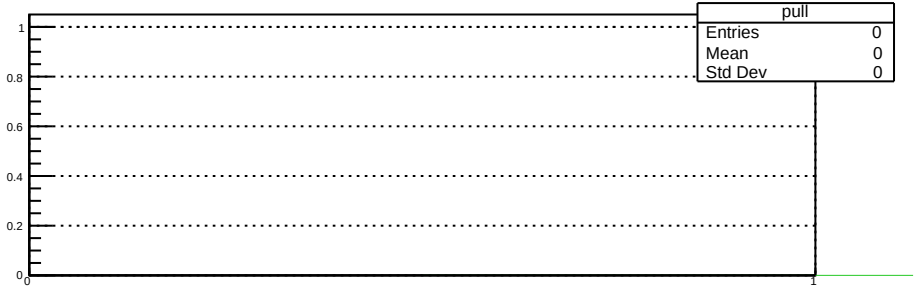

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 35.14 / 36
p0 233.2 ± 179.6
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0.06633
Std Dev 27.62
2
1
0
−1
−2

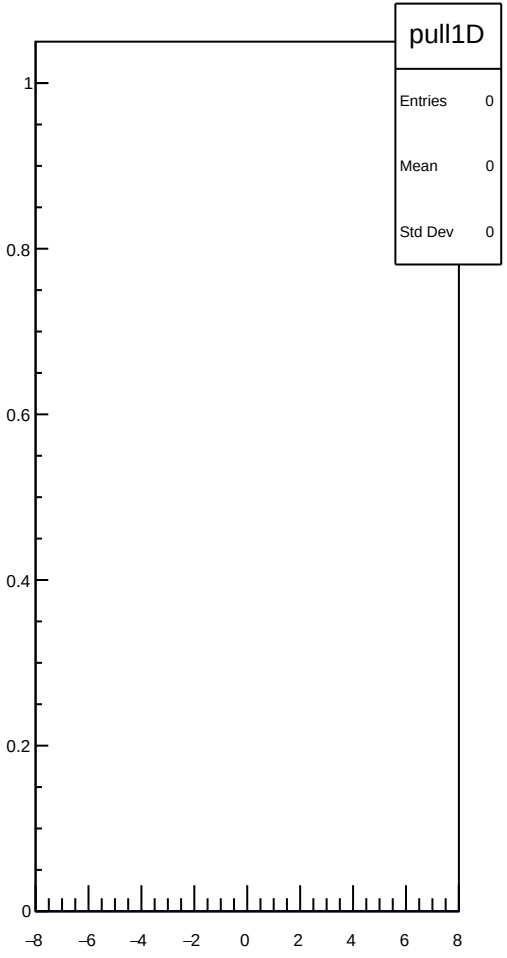

pull1D
Entries 37
Mean −0.03122
Std Dev 0.974
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

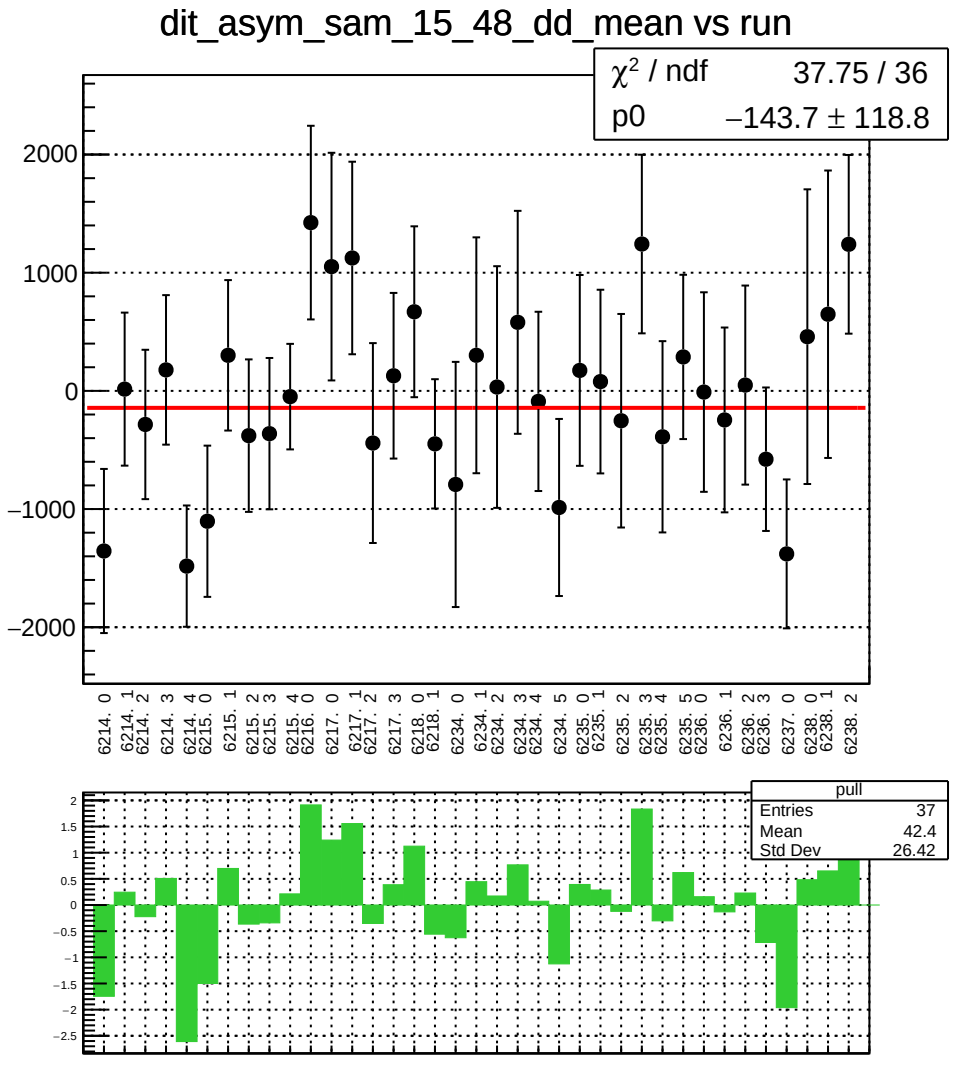

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.204e+04 / 36
p0 109.6 ± 0.127
220
200
180
160
140
120
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

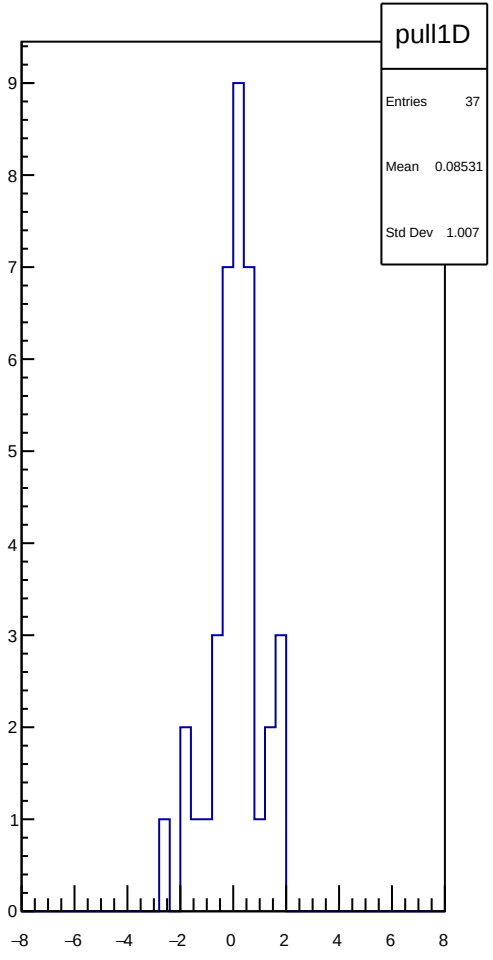

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

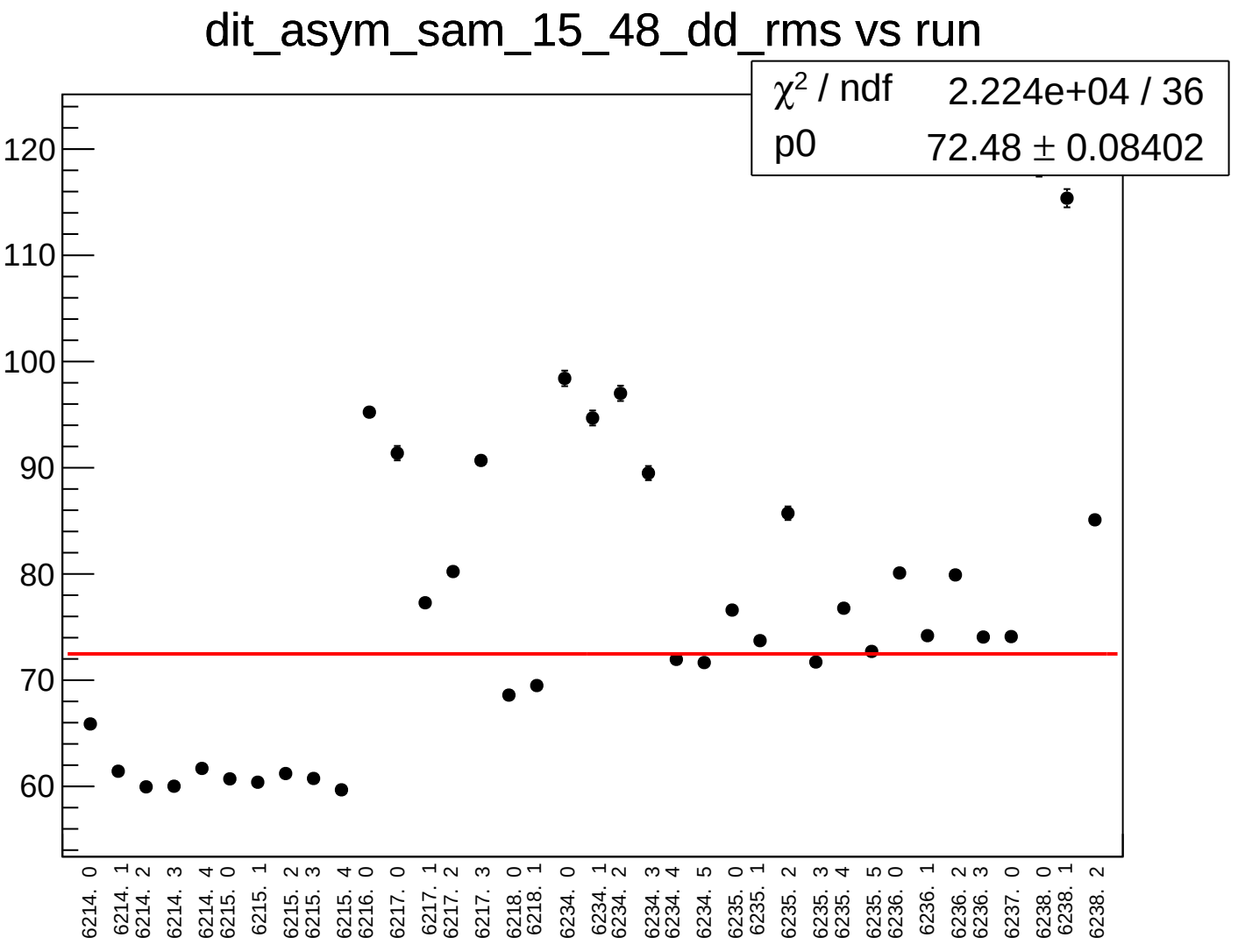

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

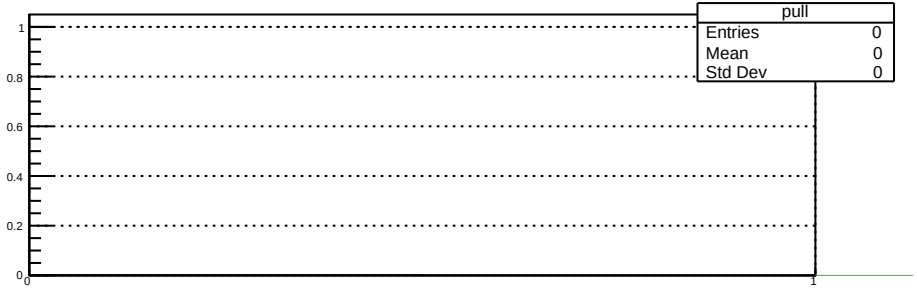

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

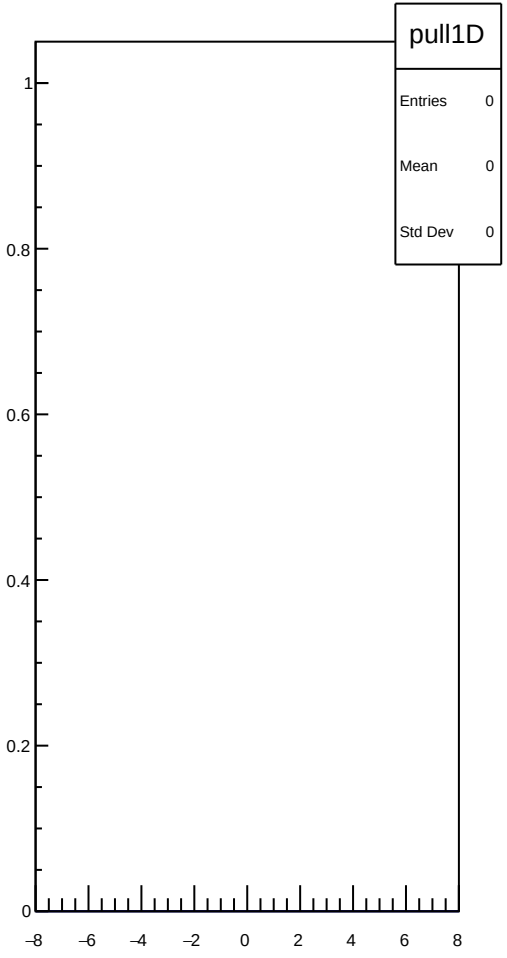

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

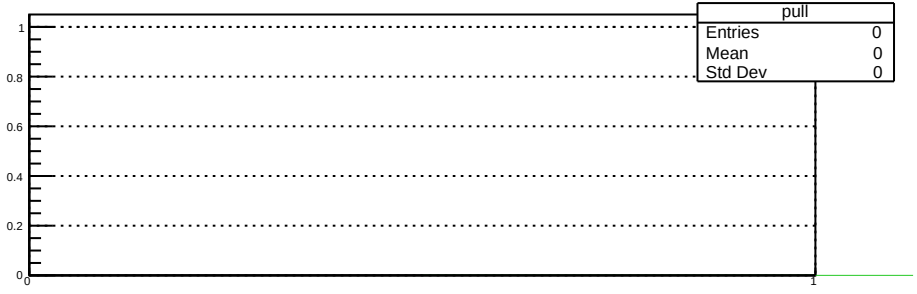

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 37.75 / 36
p0 −143.7 ± 118.8
2000
1000
0
−1000
−2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 42.4
Std Dev 26.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

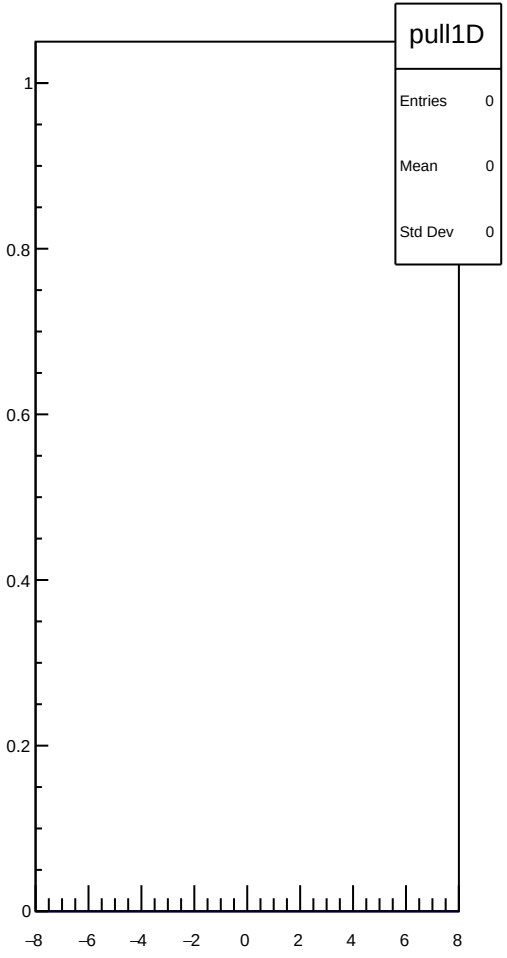

pull1D
Entries 37
Mean 0.08531
Std Dev 1.007
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

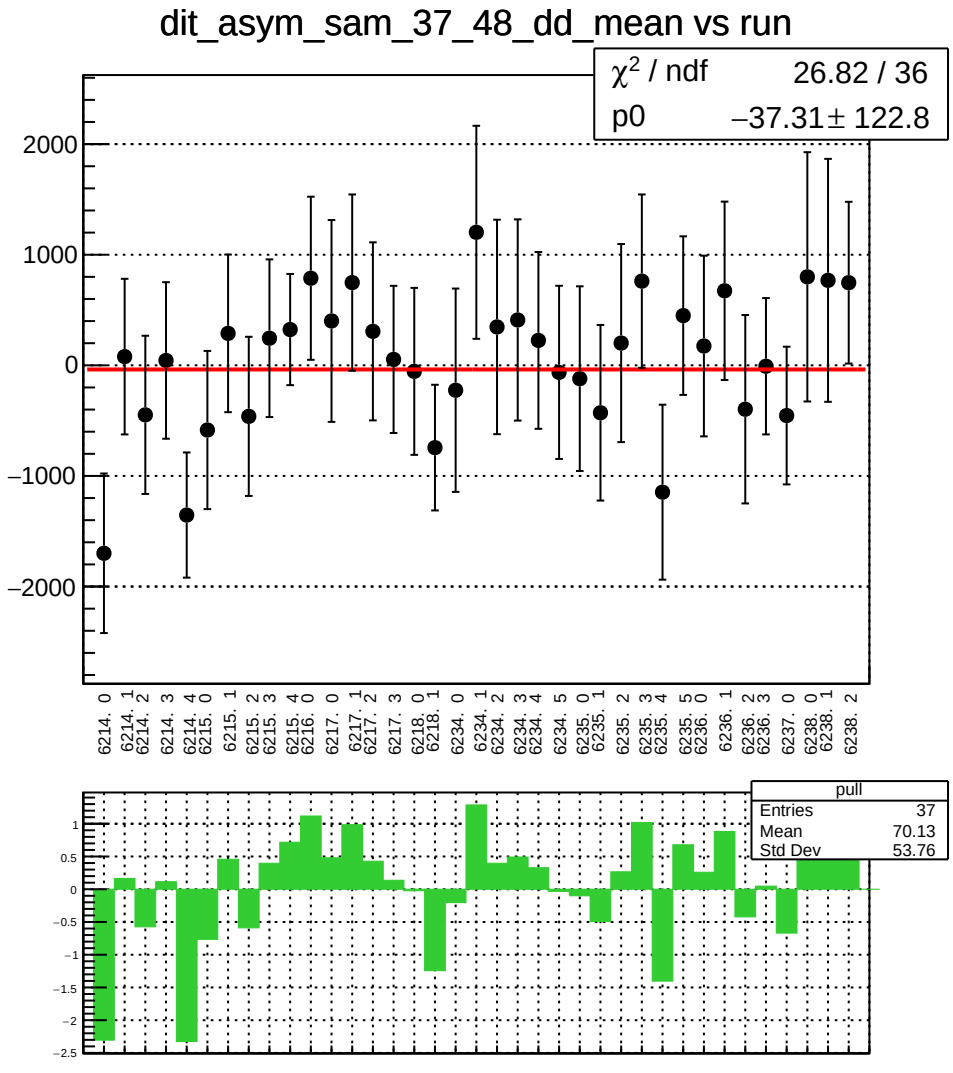

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.224e+04 / 36
p0 72.48 ± 0.08402
120
110
100
90
80
70
60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

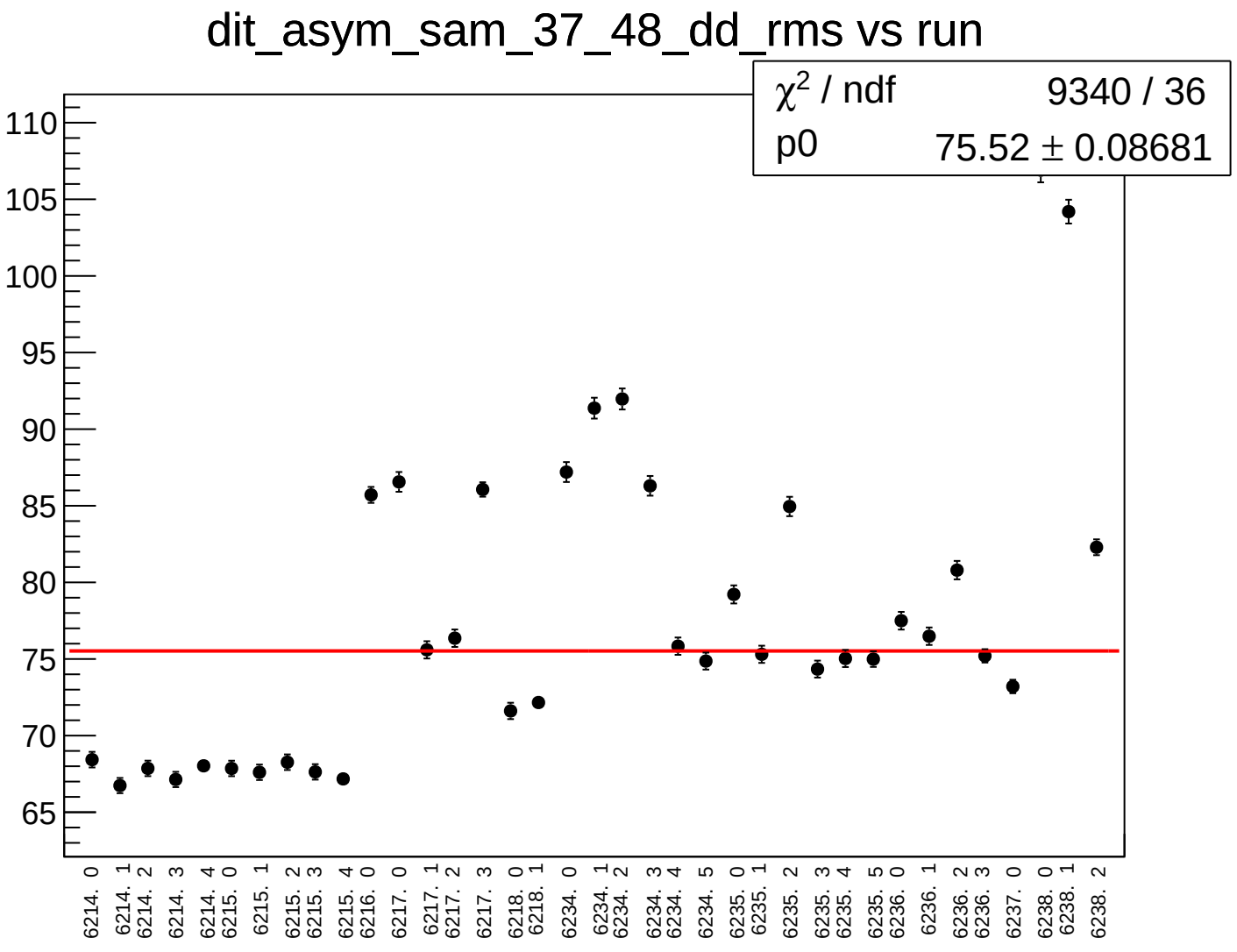

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

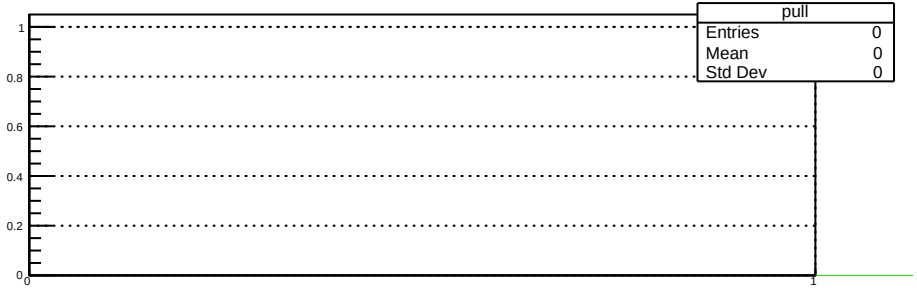

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

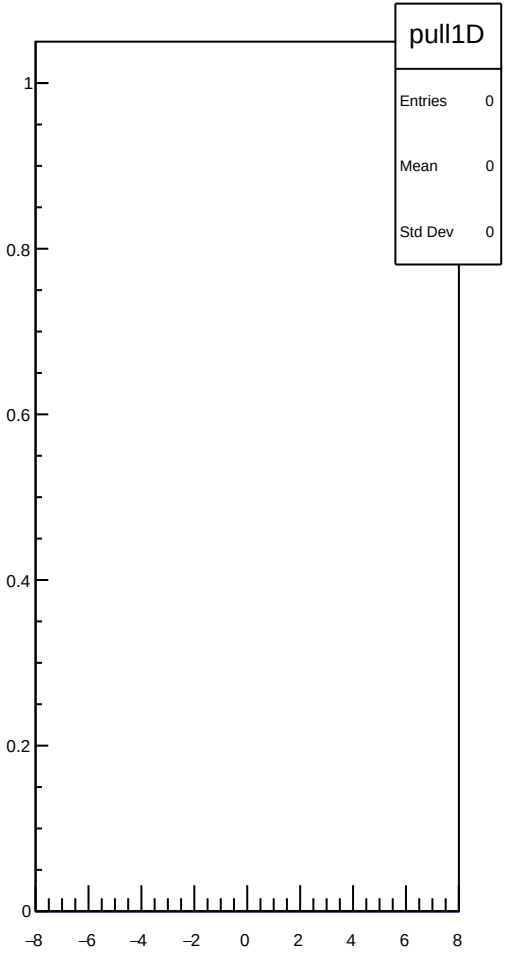

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

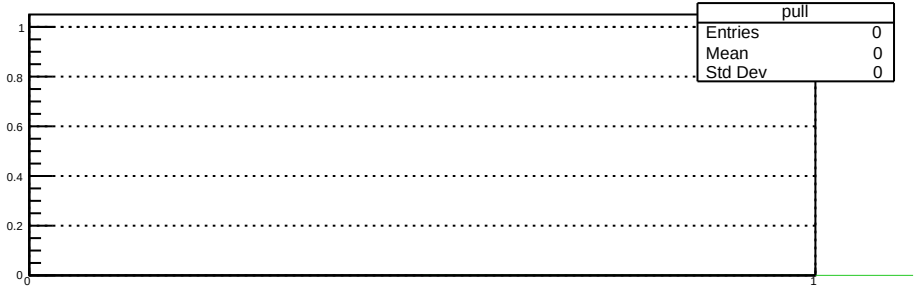

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

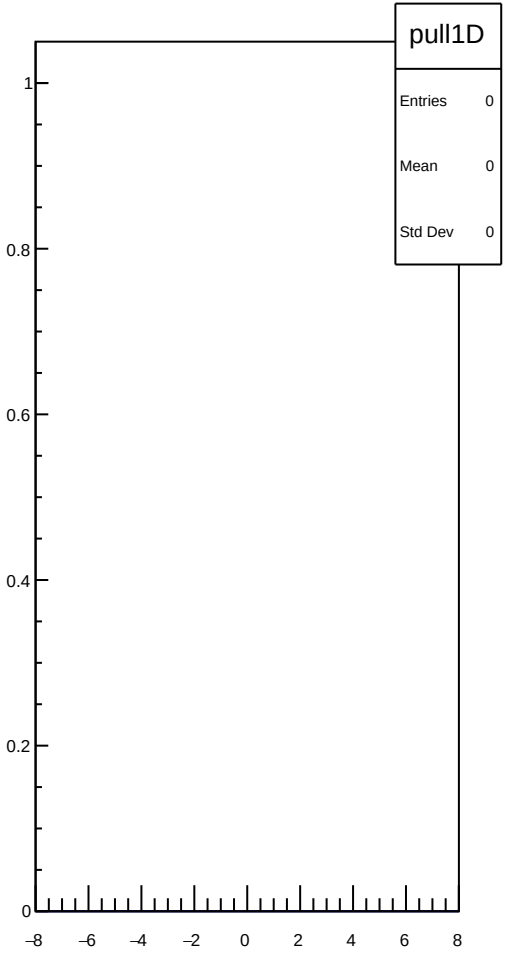

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 26.82 / 36
p0 −37.31± 122.8
2000
1000
0
−1000
−2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 70.13
Std Dev 53.76
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.05562
Std Dev 0.8496
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

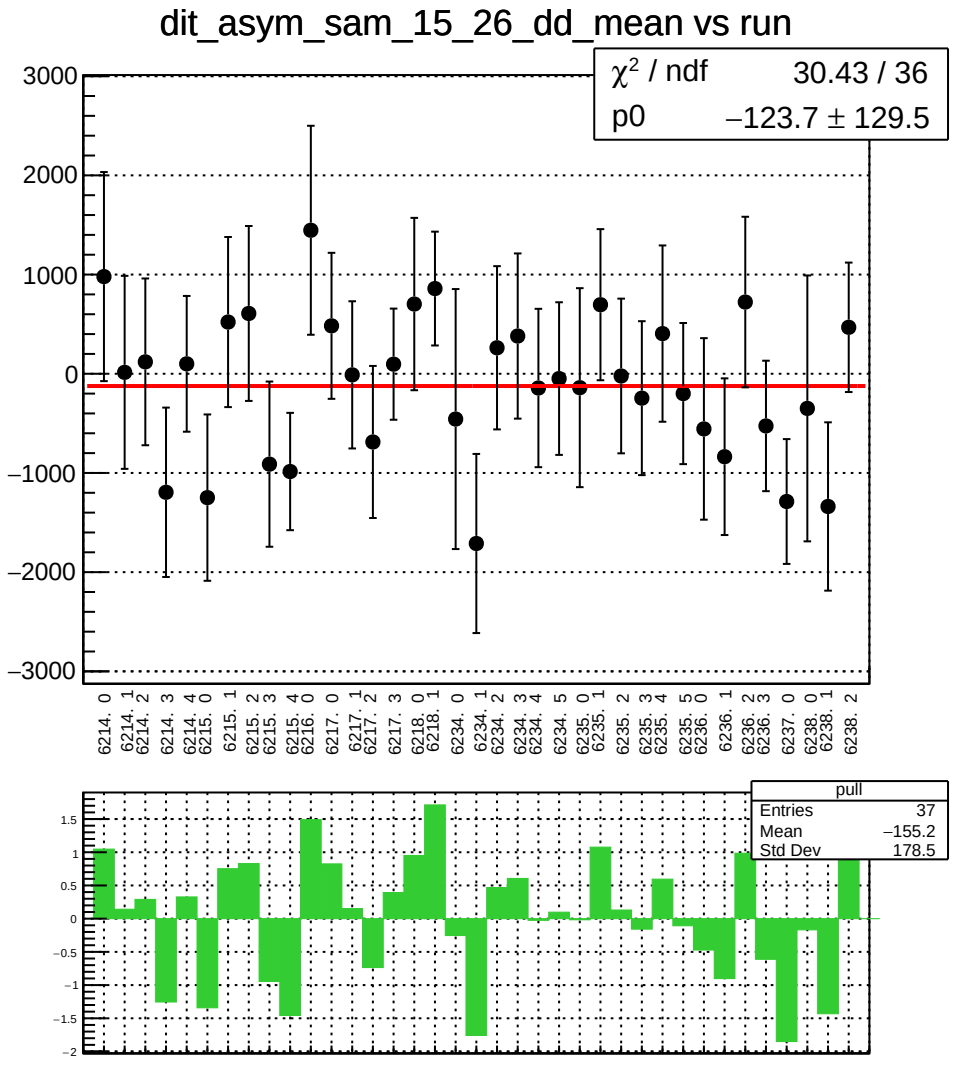

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 9340 / 36
p0 75.52 ± 0.08681
110
105
100
95
90
85
80
75
70
65
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

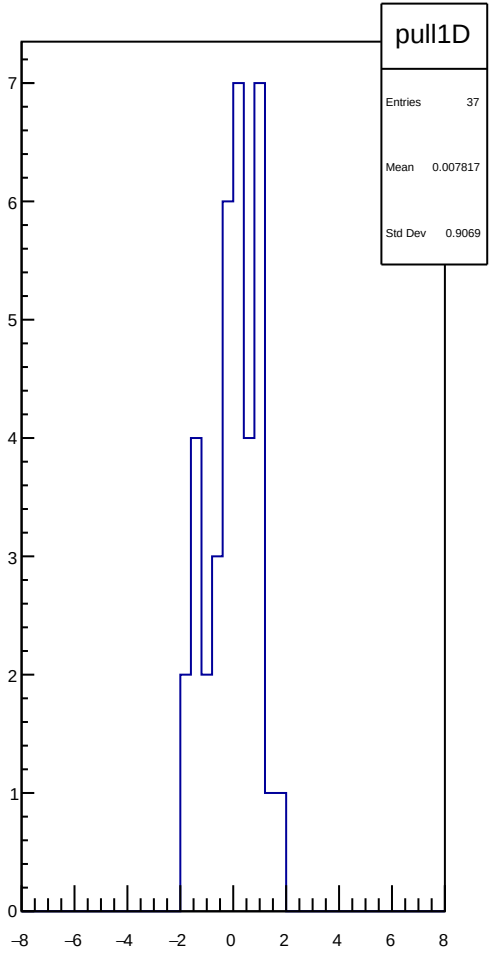

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

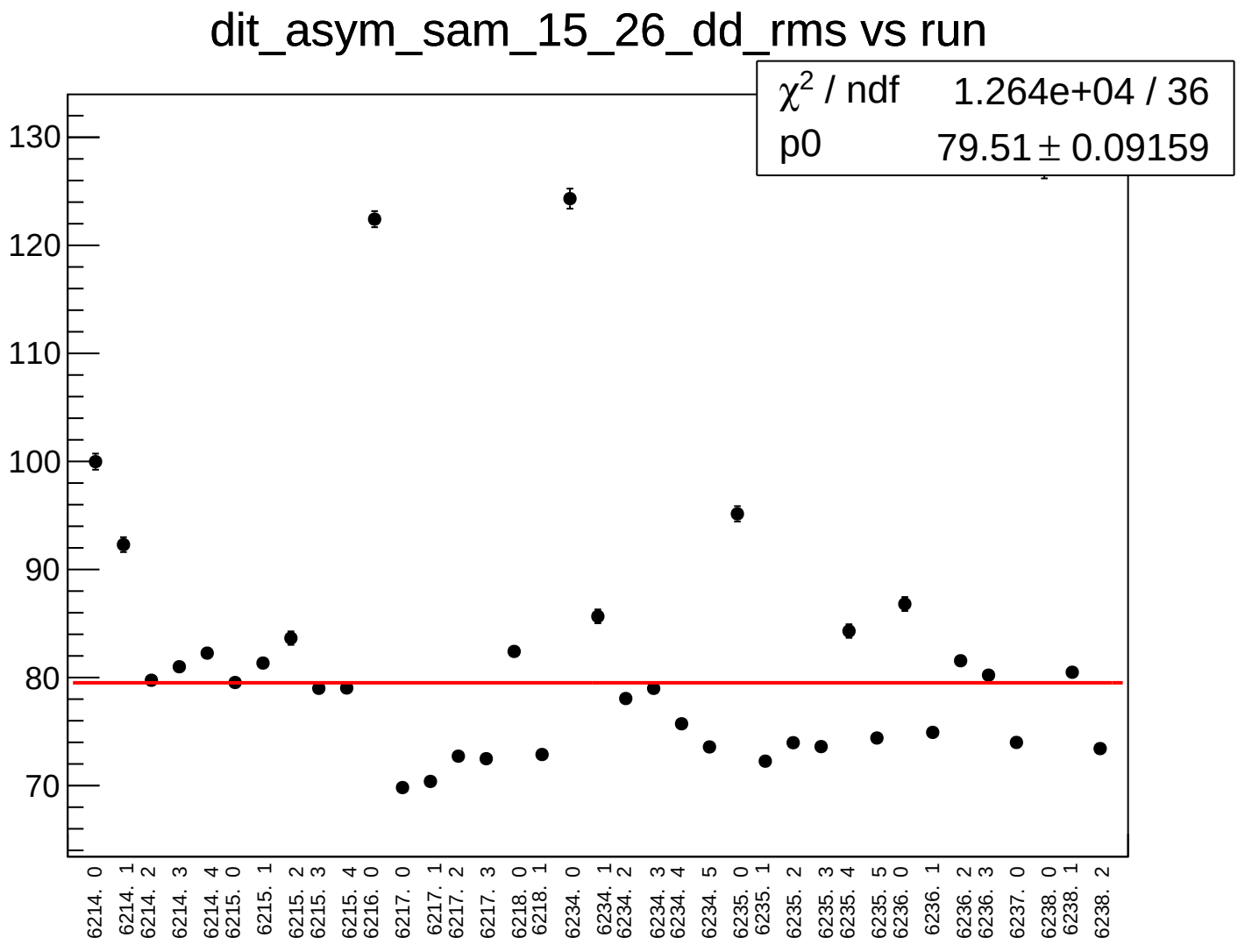

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

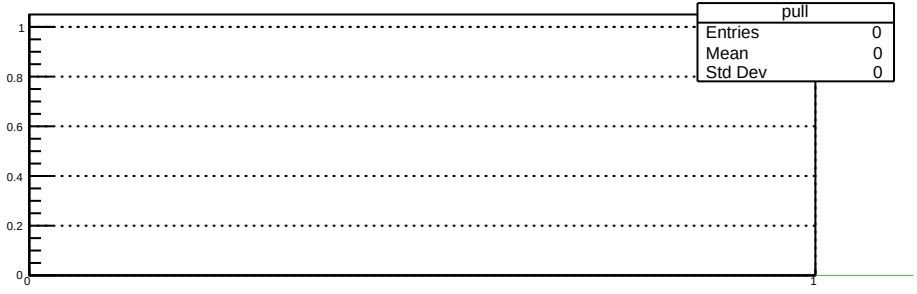

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

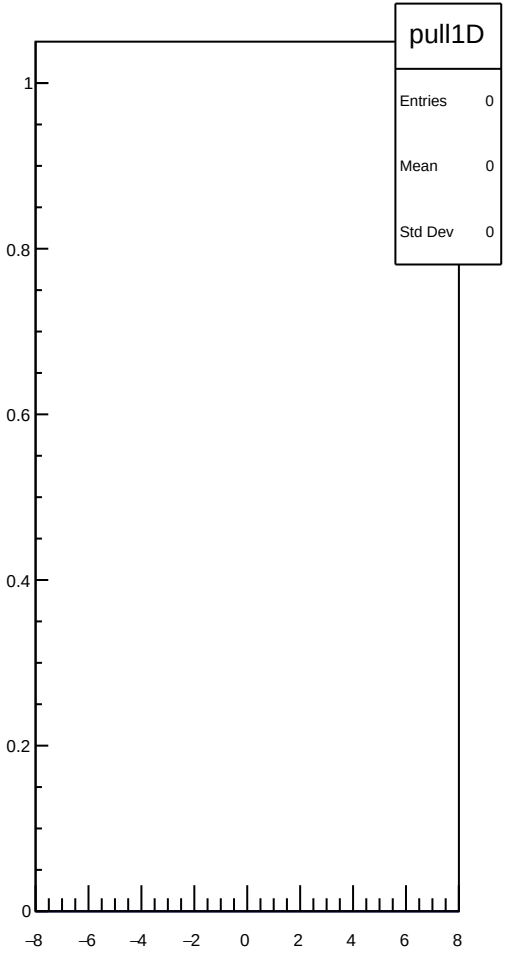

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

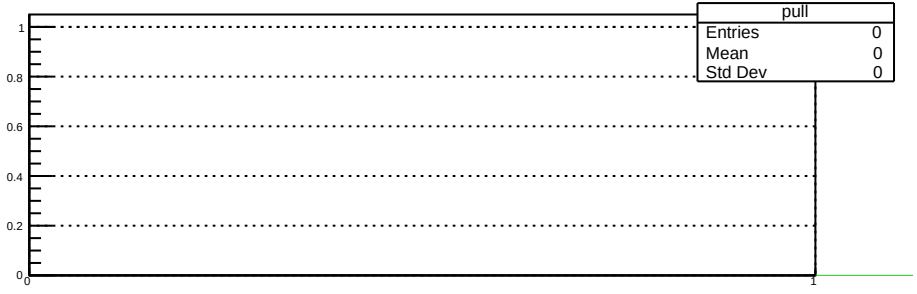

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 30.43 / 36
p0 −123.7 ± 129.5
3000
2000
1000
0
−1000
−2000
−3000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −155.2
Std Dev 178.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

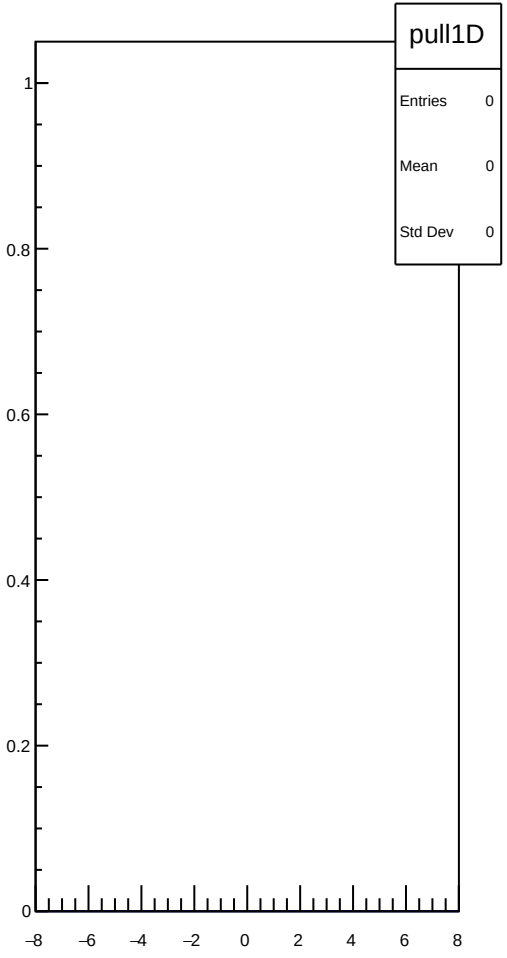

pull1D
Entries 37
Mean 0.007817
Std Dev 0.9069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

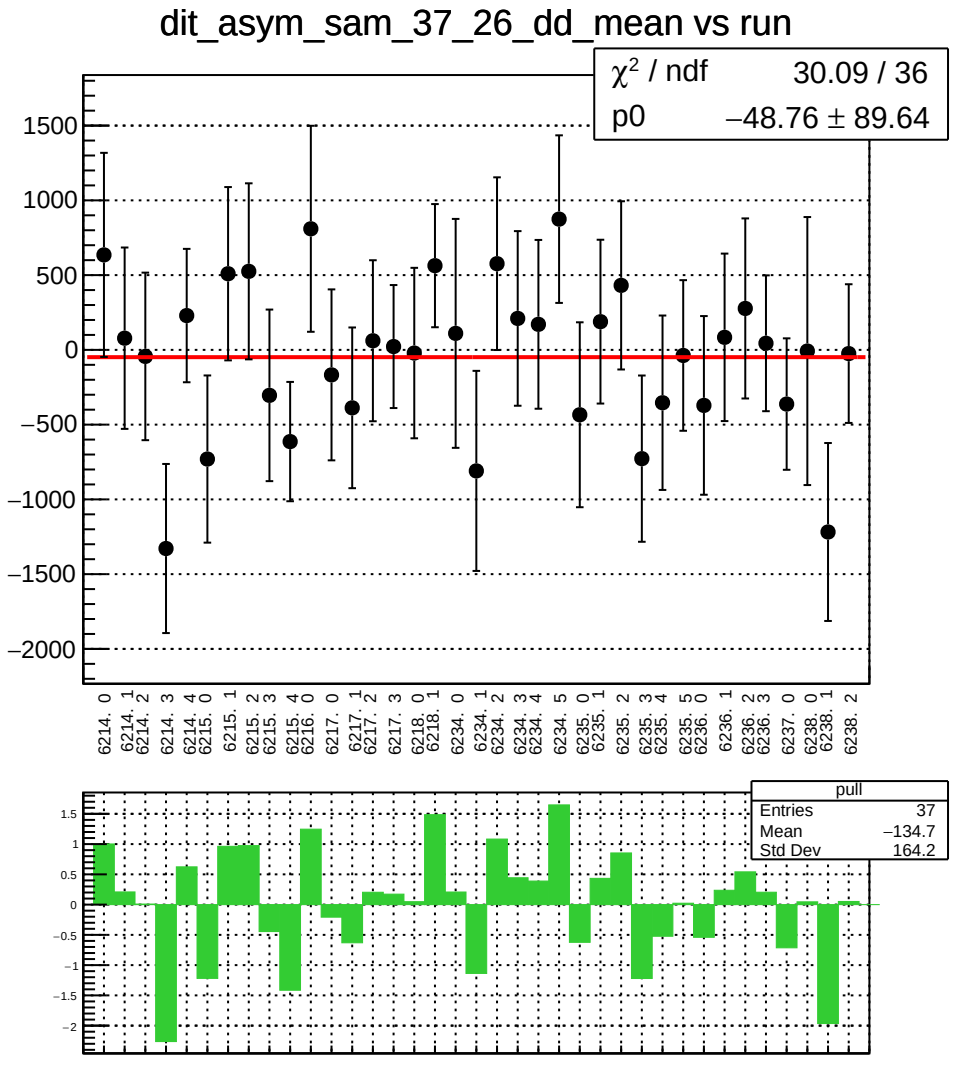

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.264e+04 / 36
p0 79.51 ± 0.09159
130
120
110
100
90
80
70
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

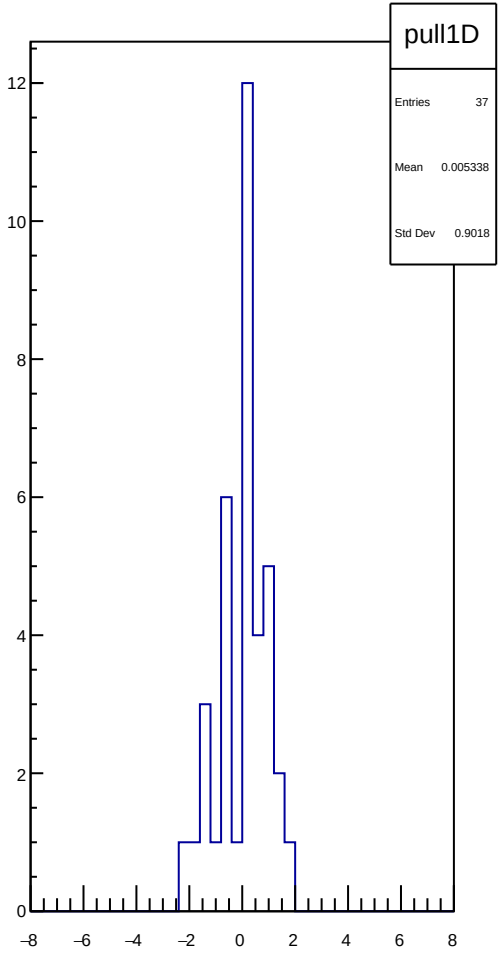

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

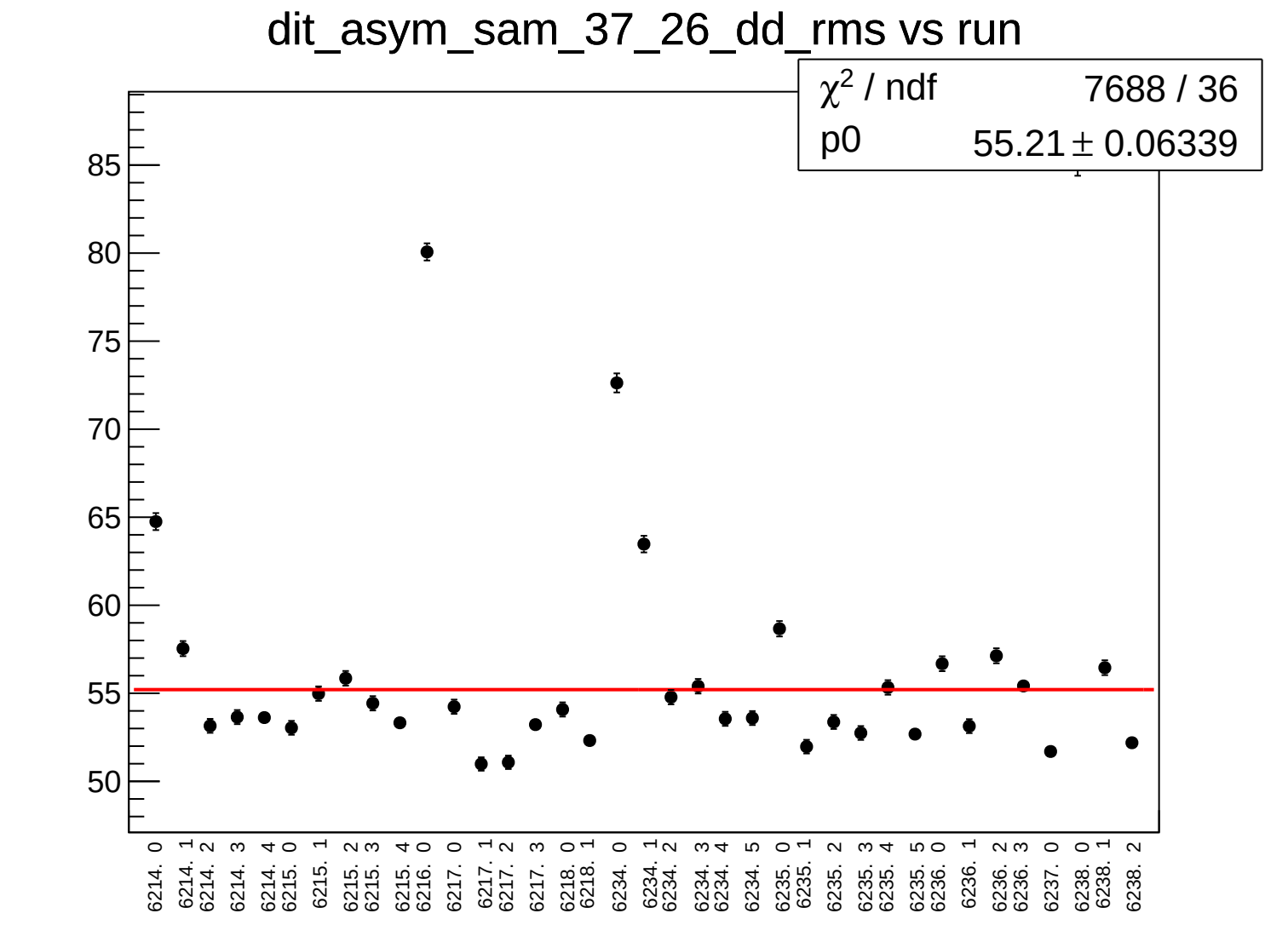

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

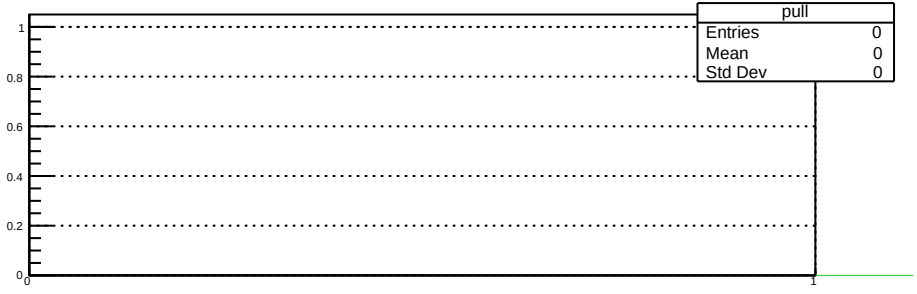

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

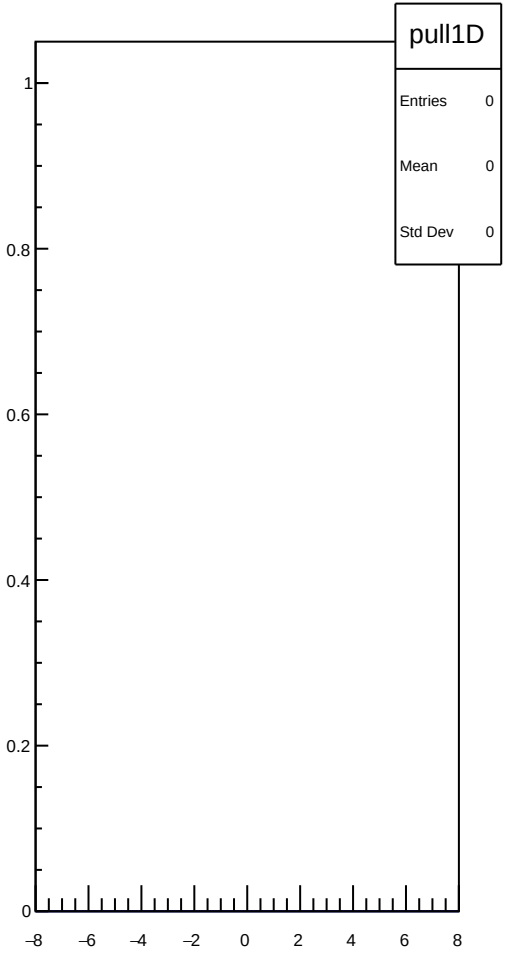

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

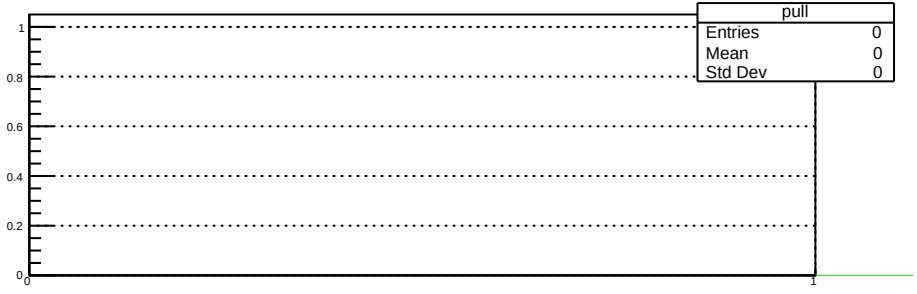

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 30.09 / 36
p0 −48.76 ± 89.64
1500
1000
500
0
−500
−1000
−1500
−2000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −134.7
Std Dev 164.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

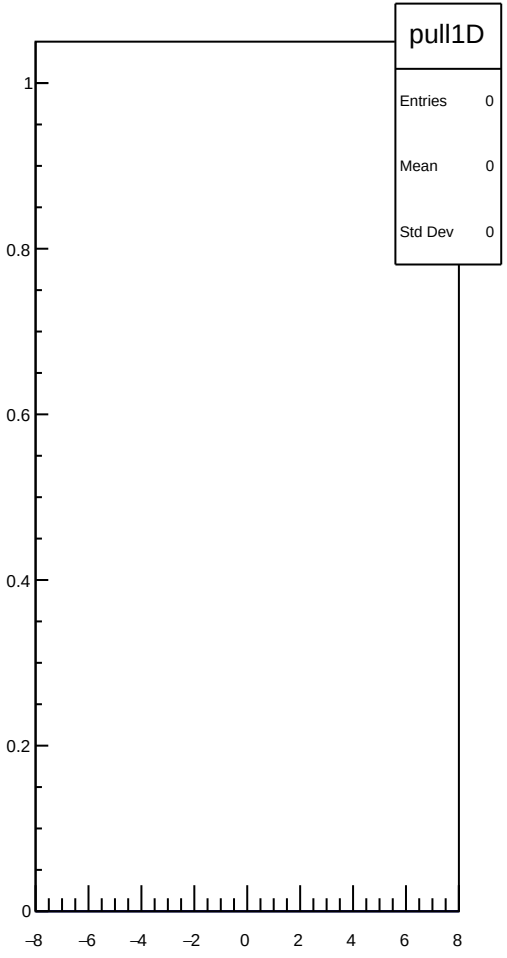

pull1D
Entries 37
Mean 0.005338
Std Dev 0.9018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

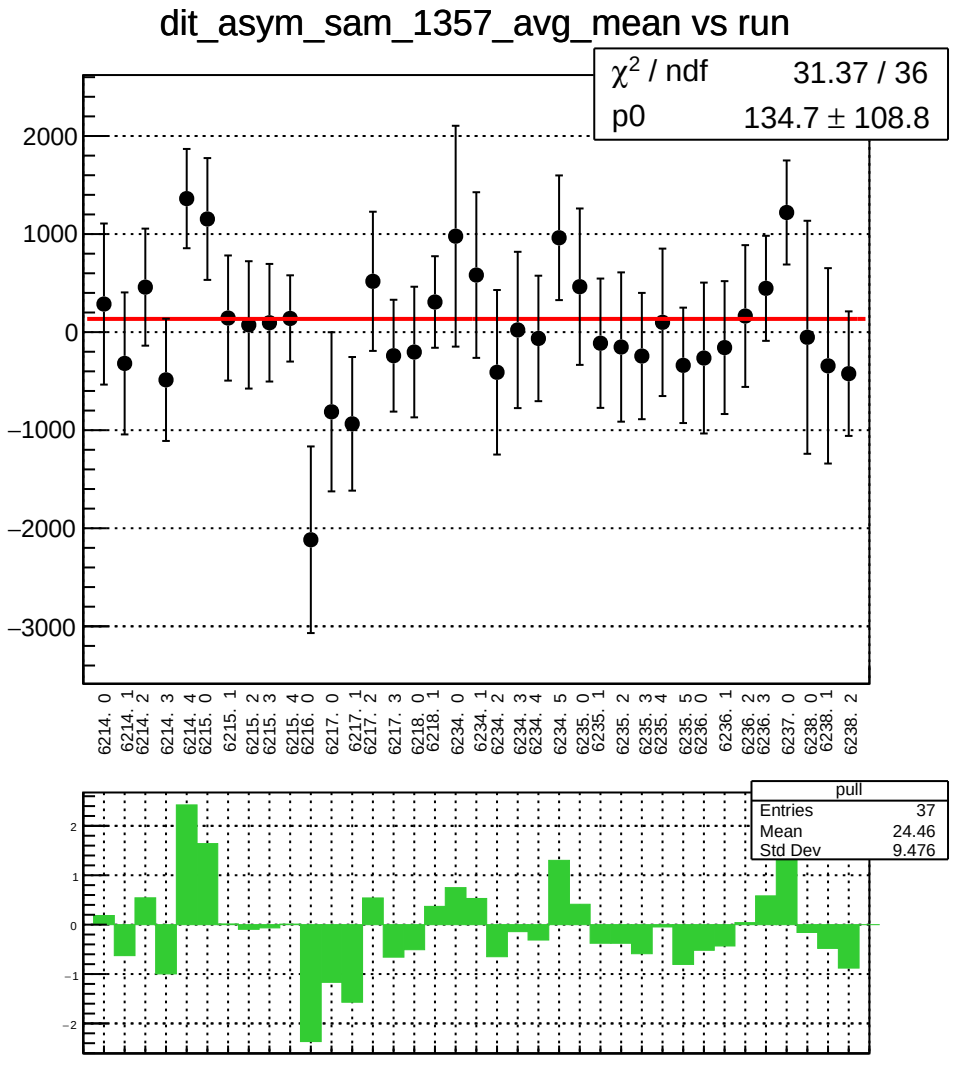

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 7688 / 36
p0 55.21 ± 0.06339
85
80
75
70
65
60
55
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

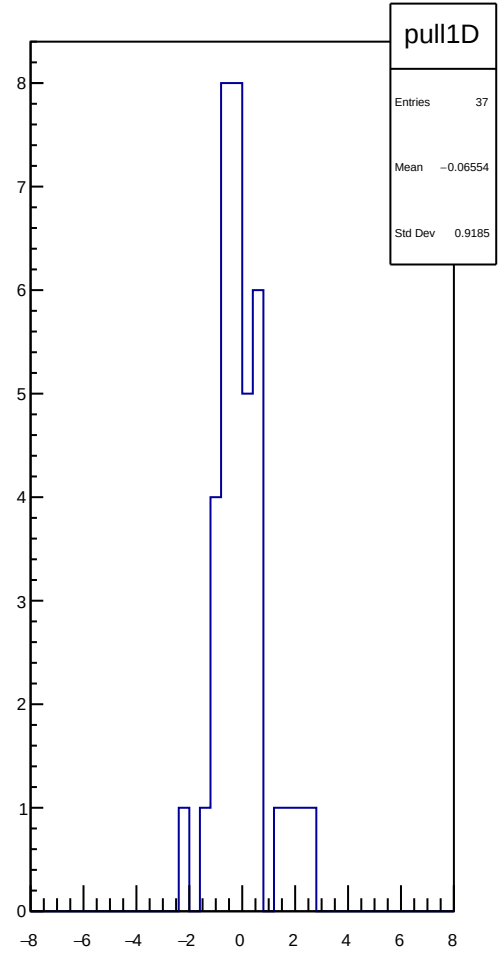

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

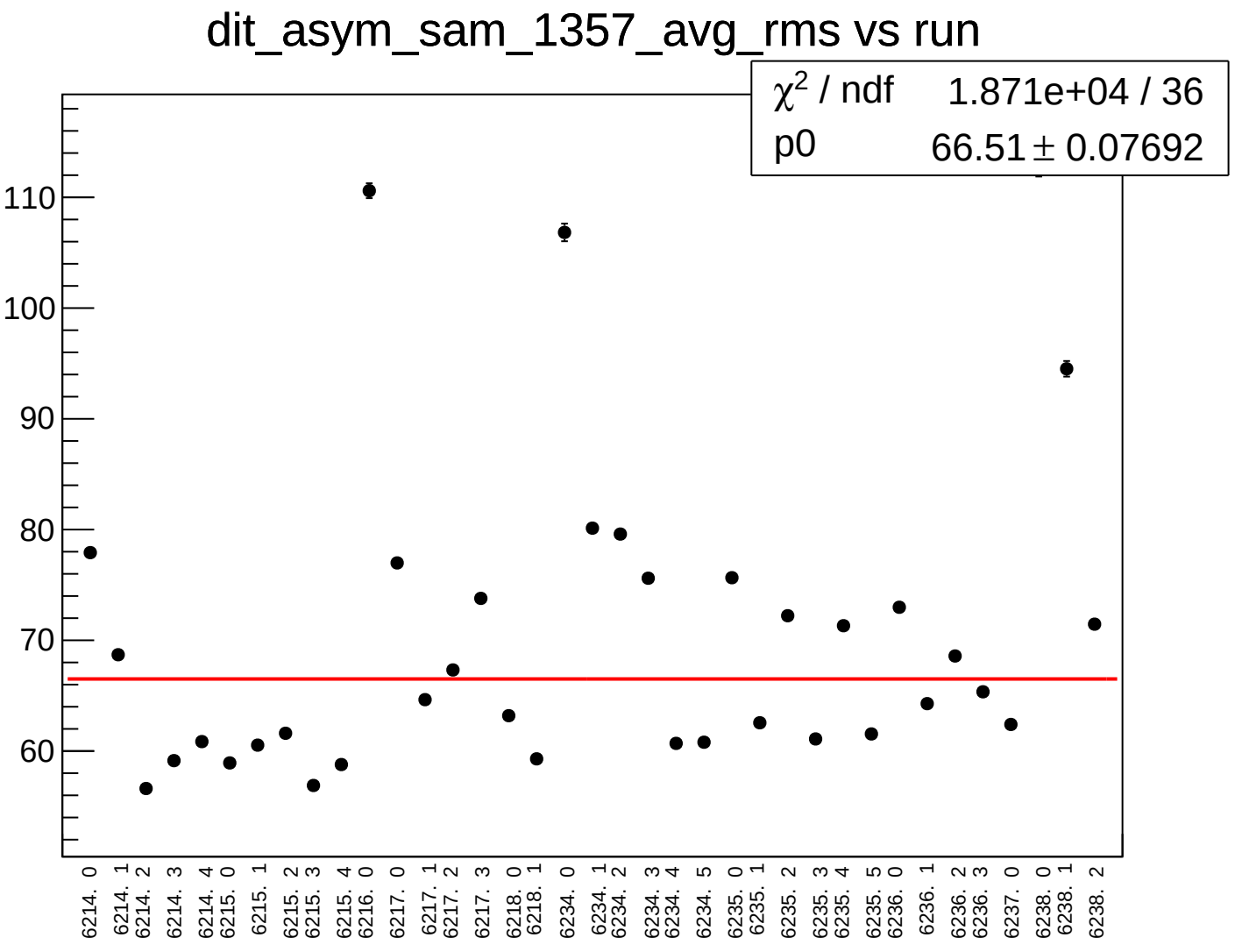

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

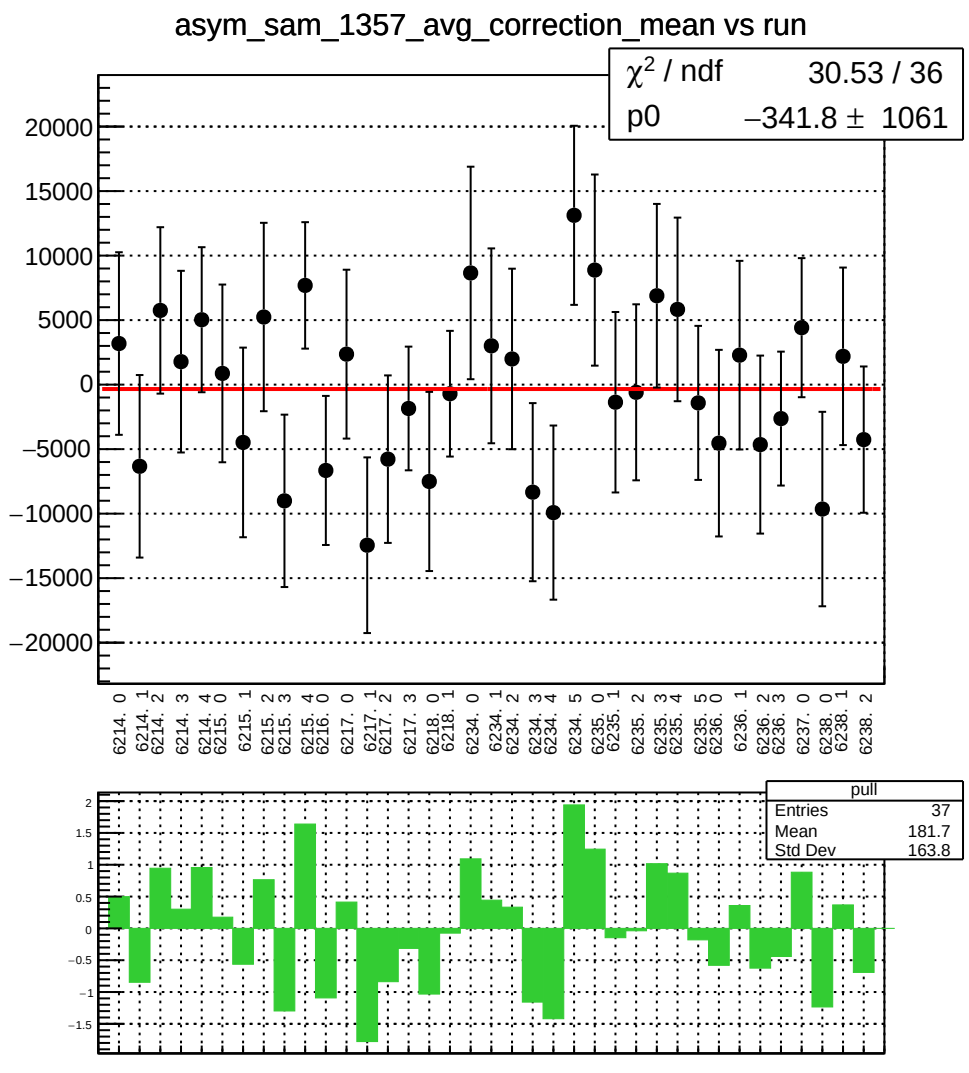

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

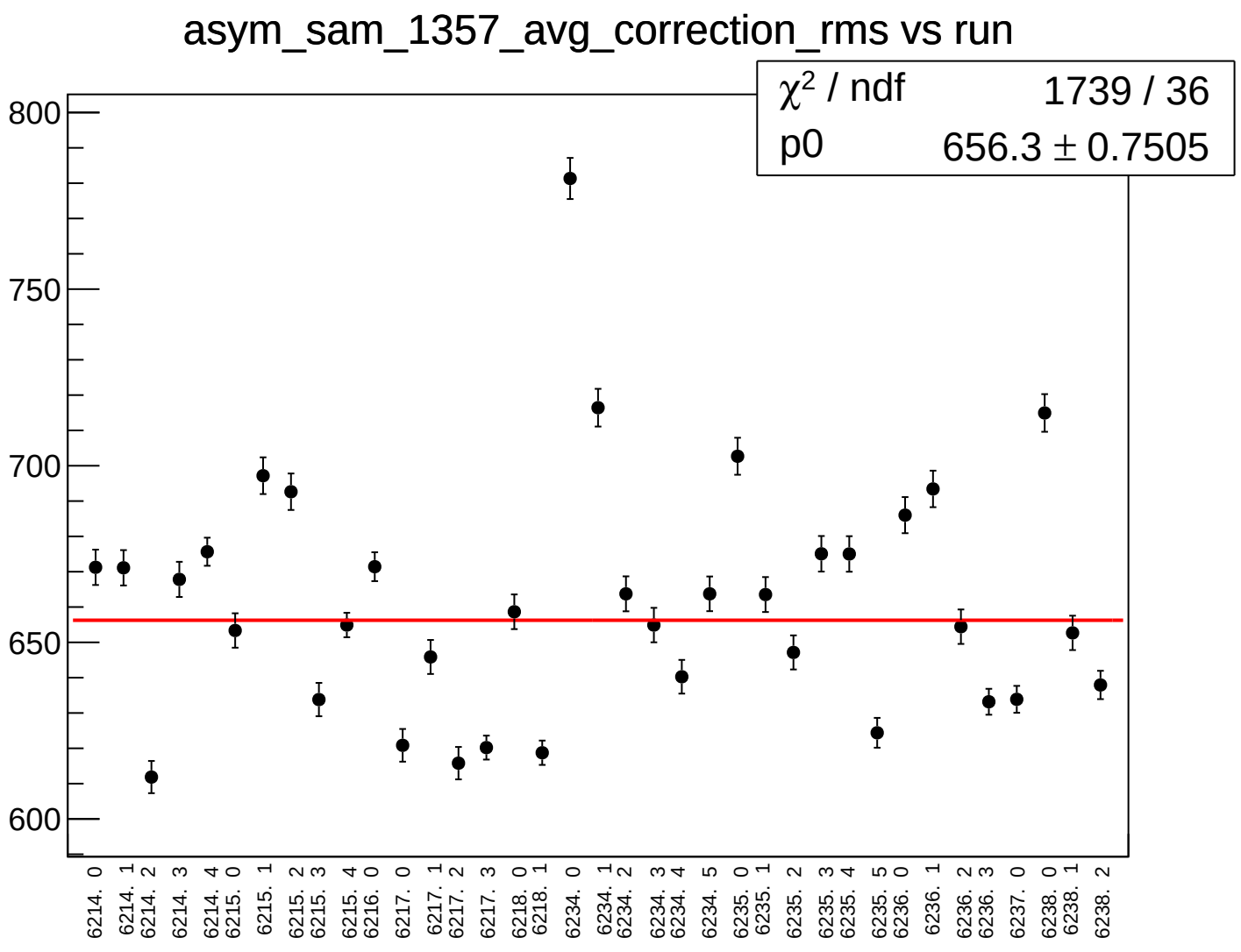

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

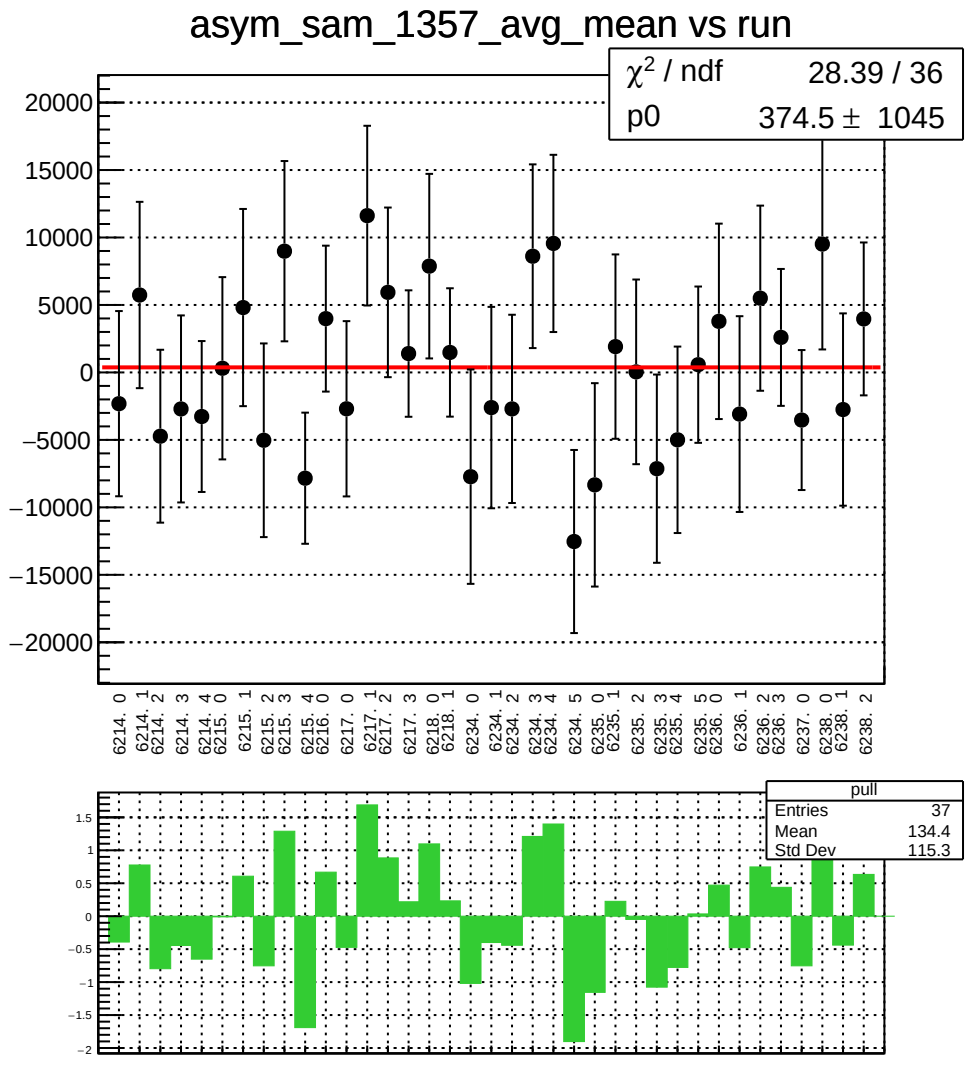

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 31.37 / 36
p0 134.7 ± 108.8
2000
1000
0
−1000
−2000
−3000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 24.46
Std Dev 9.476
2
1
0
−1
−2

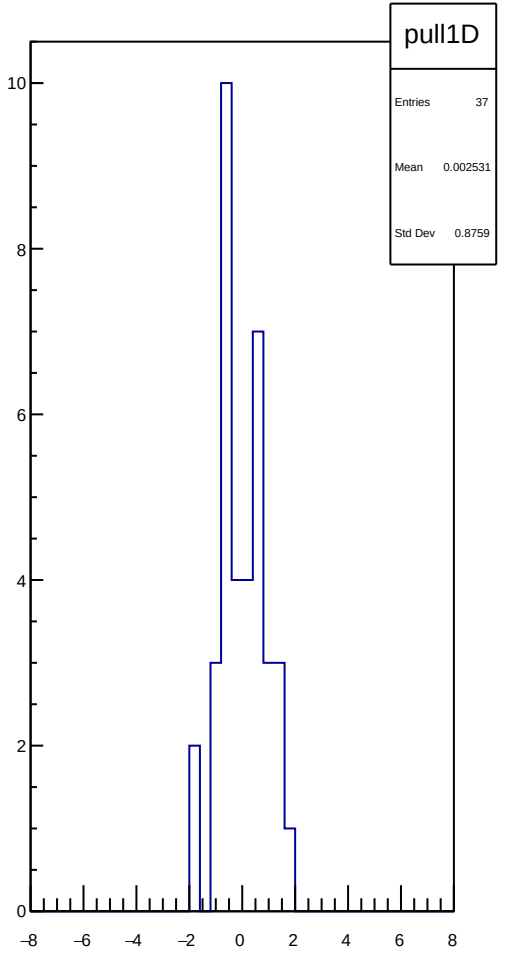

pull1D
Entries 37
Mean −0.06554
Std Dev 0.9185
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

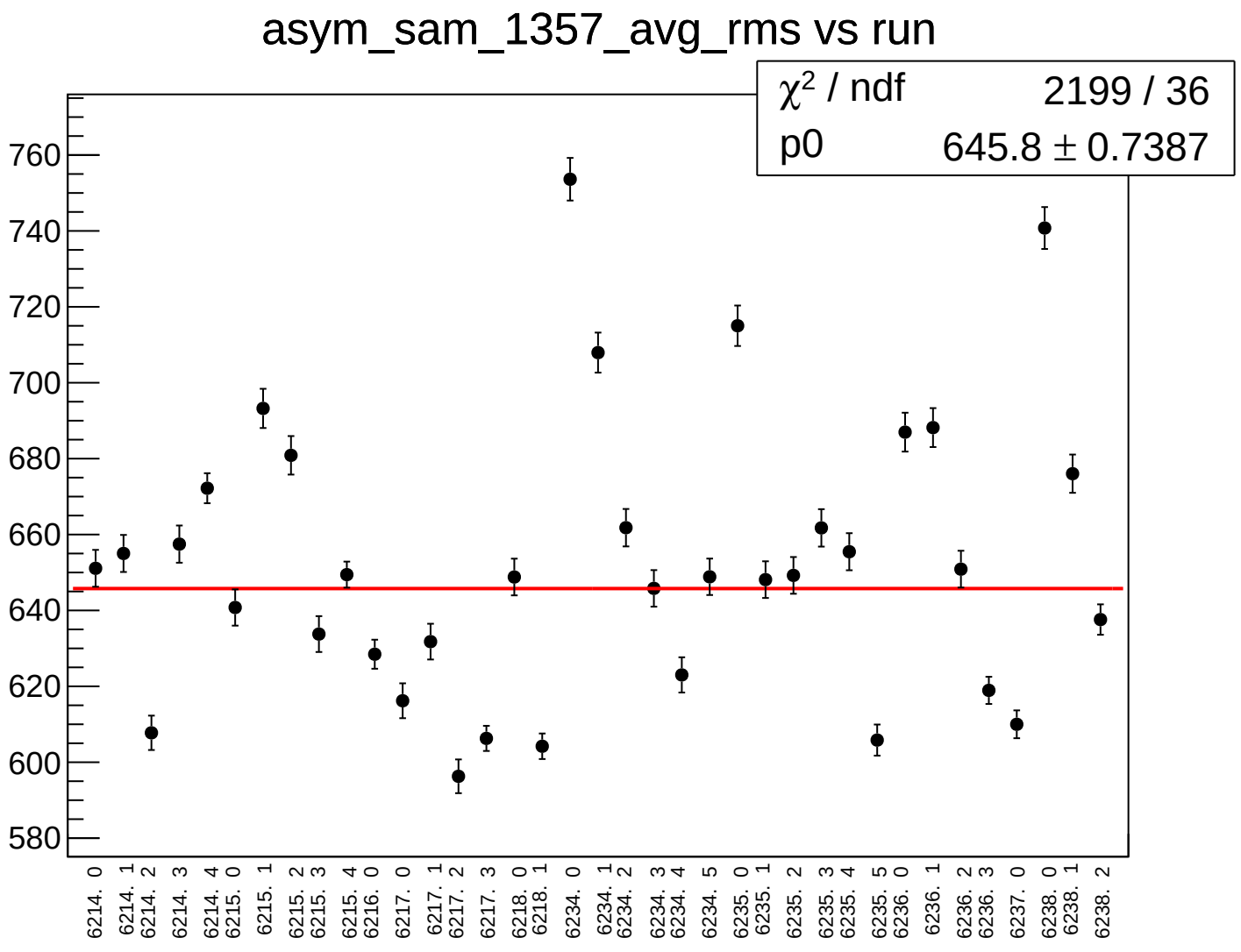

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.871e+04 / 36
p0 66.51 ± 0.07692
110
100
90
80
70
60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

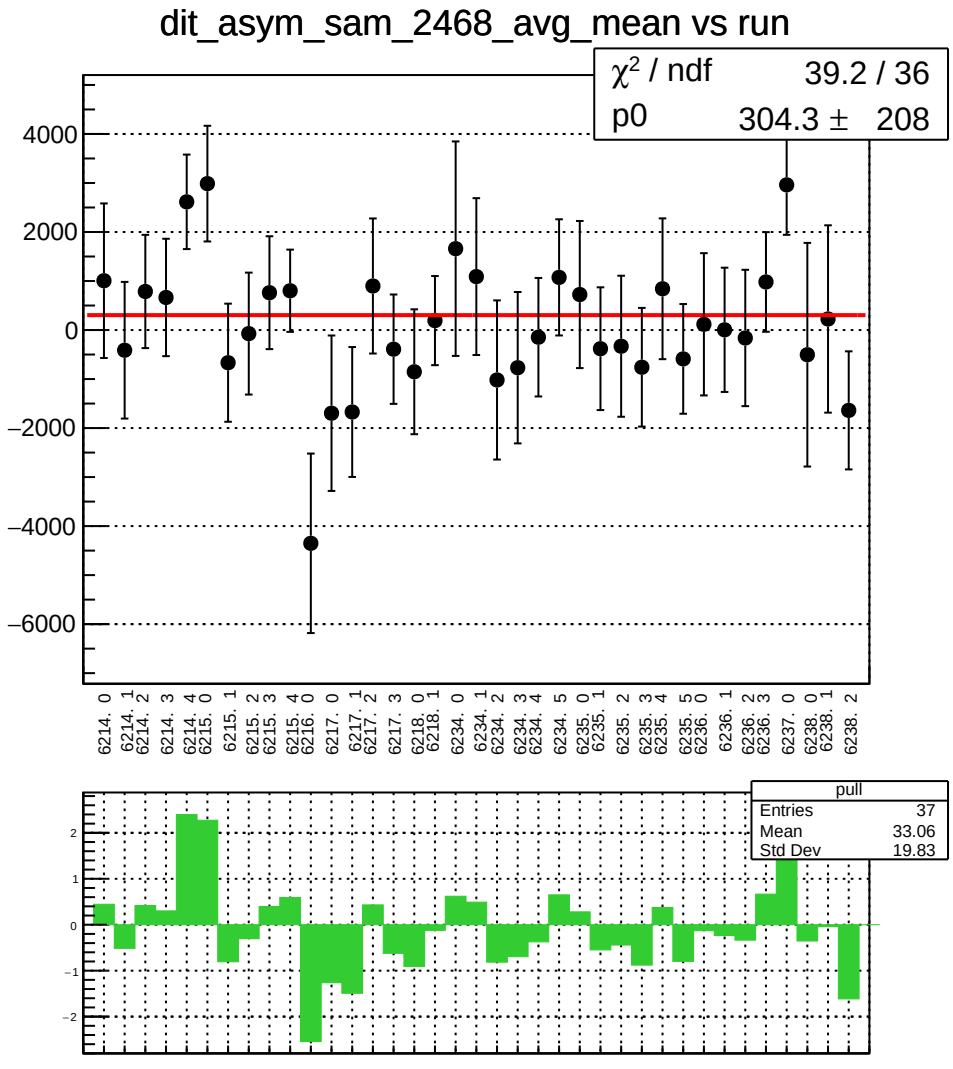

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 30.53 / 36
p0 −341.8 ± 1061
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 181.7
Std Dev 163.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.002902
Std Dev 0.9084
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

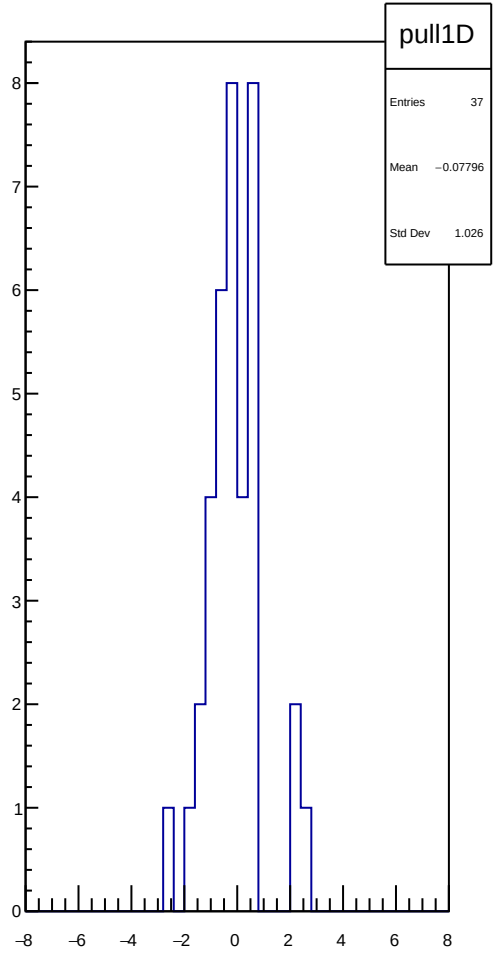

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1739 / 36
p0 656.3 ± 0.7505
800
750
700
650
600
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

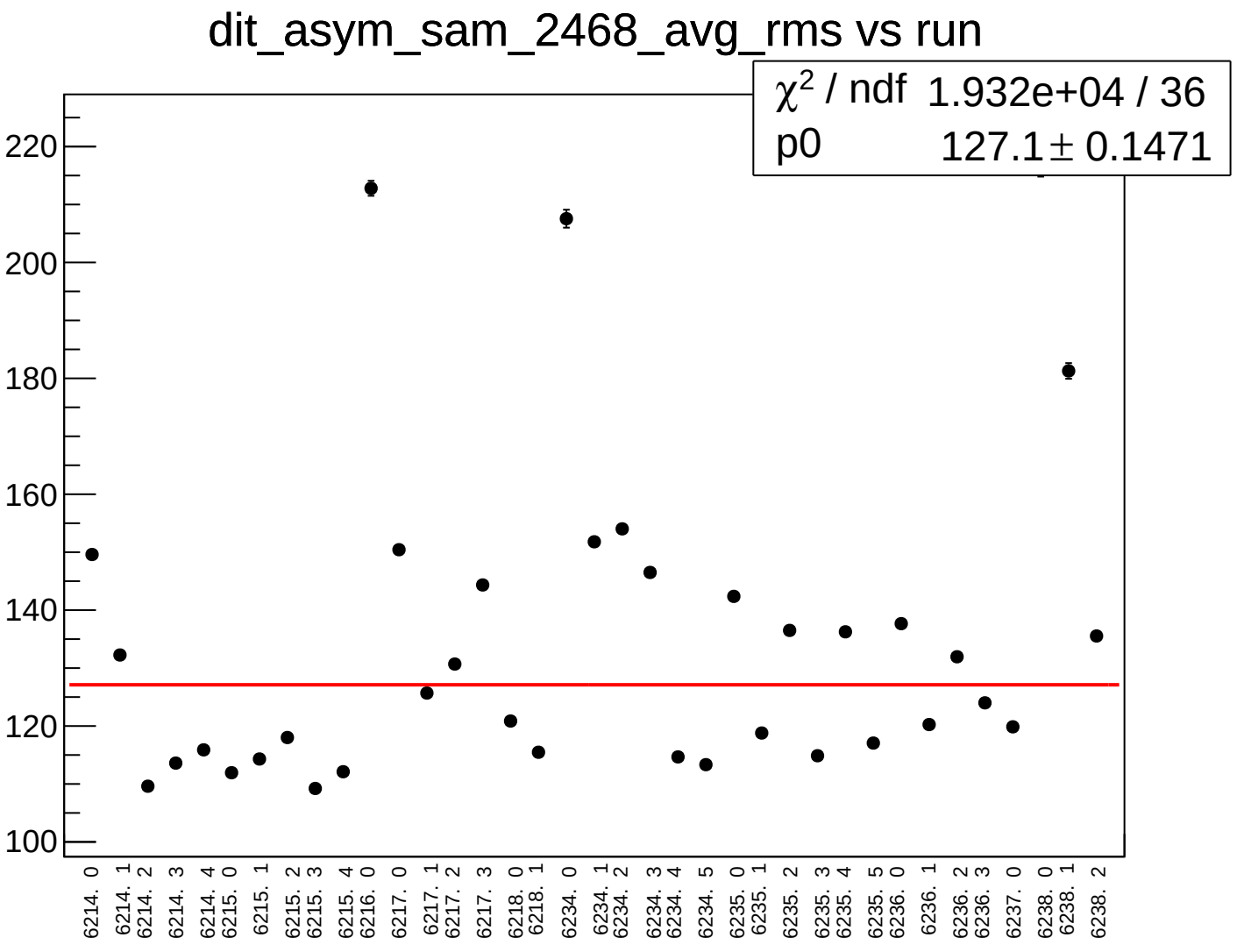

asym_sam_1357_avg_mean vs run
χ² / ndf 28.39 / 36
p0 374.5 ± 1045
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 134.4
Std Dev 115.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

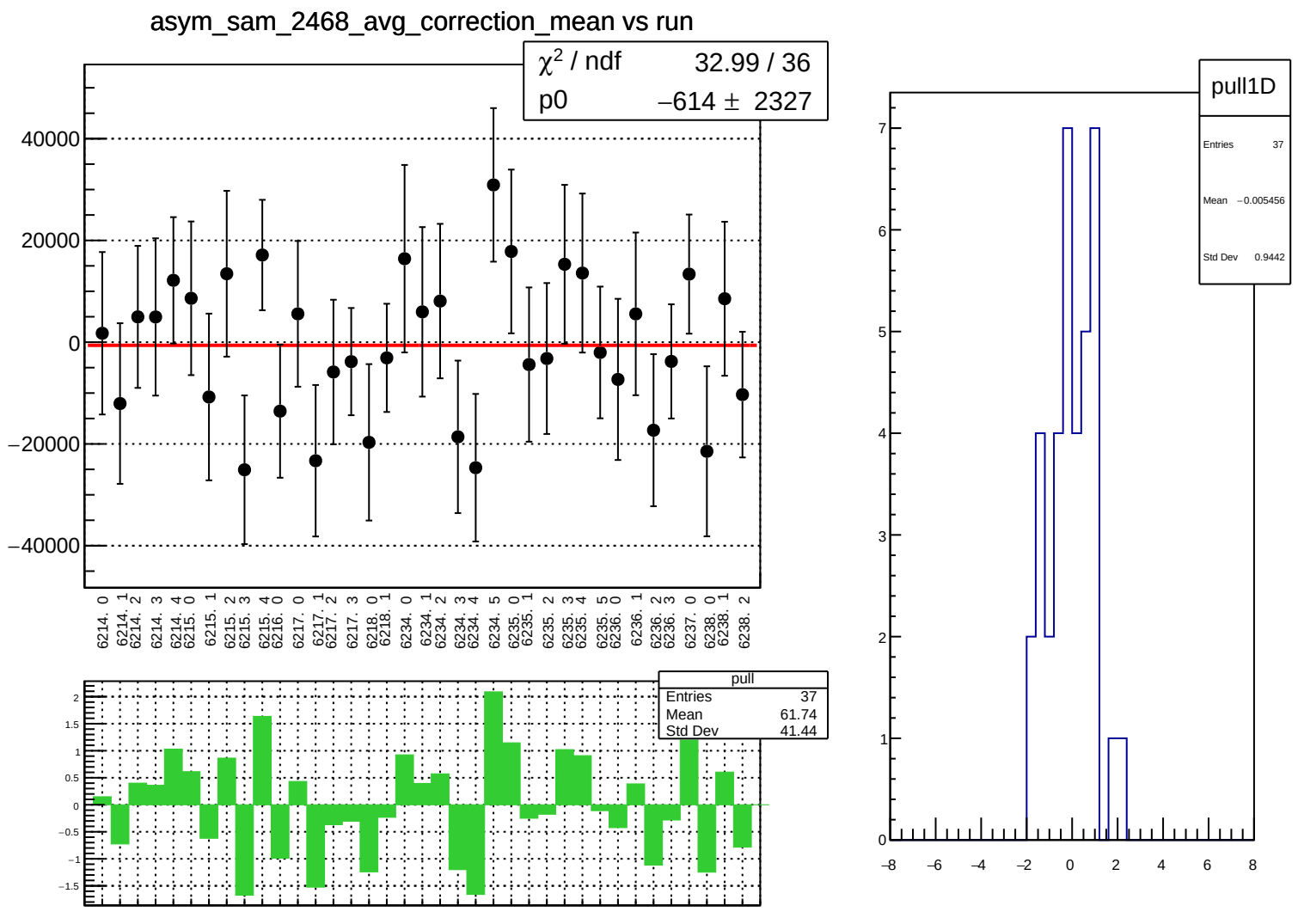

pull1D
Entries 37
Mean 0.002531
Std Dev 0.8759
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

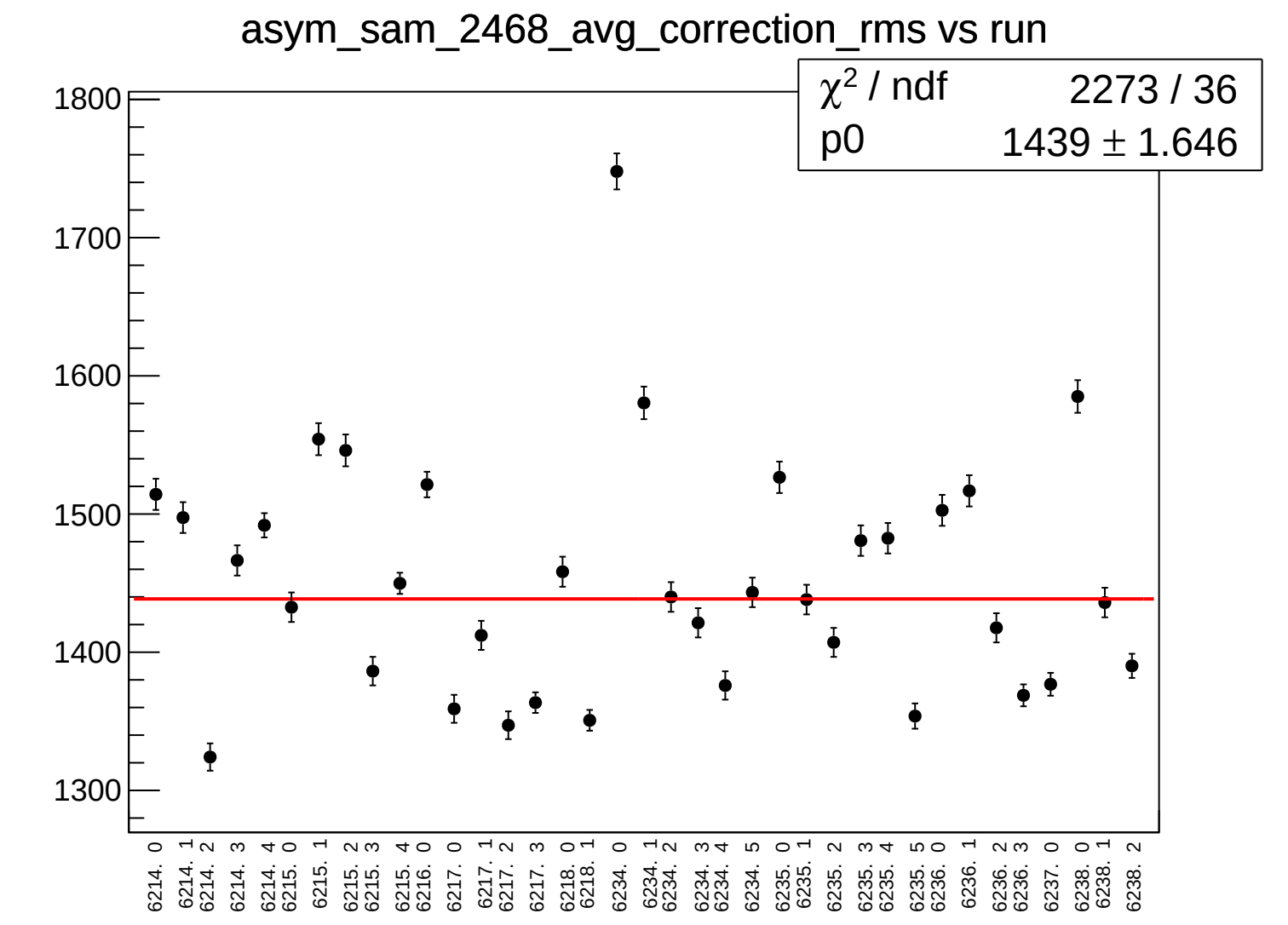

asym_sam_1357_avg_rms vs run
χ² / ndf 2199 / 36
p0 645.8 ± 0.7387
760
740
720
700
680
660
640
620
600
580
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

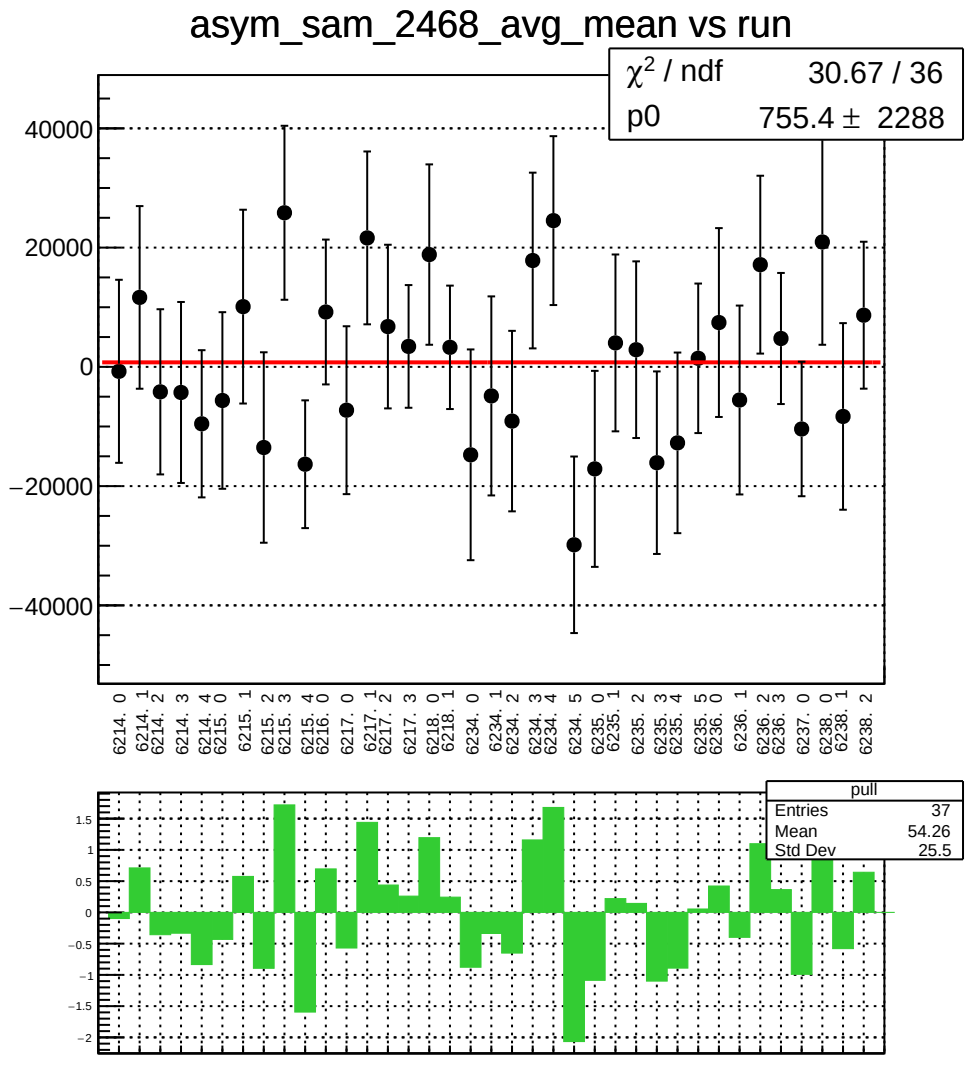

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 39.2 / 36
p0 304.3 ± 208
4000
2000
0
−2000
−4000
−6000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 33.06
Std Dev 19.83
2
1
0
−1
−2

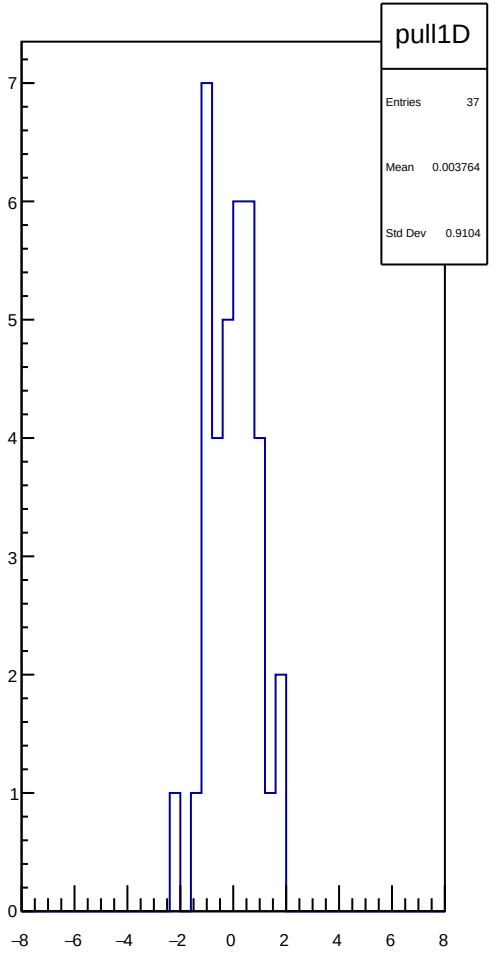

pull1D
Entries 37
Mean −0.07796
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

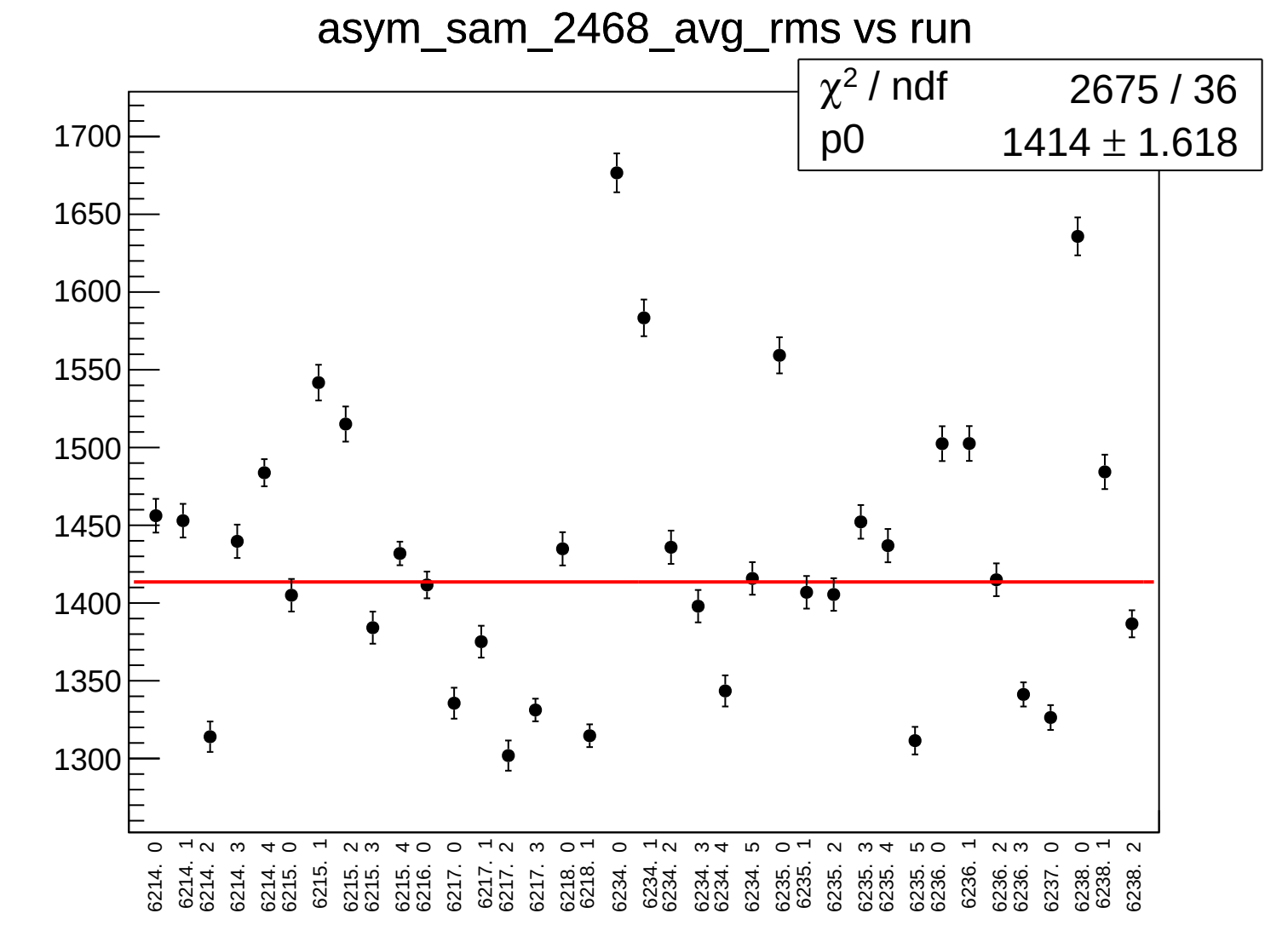

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.932e+04 / 36
p0 127.1 ± 0.1471
220
200
180
160
140
120
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

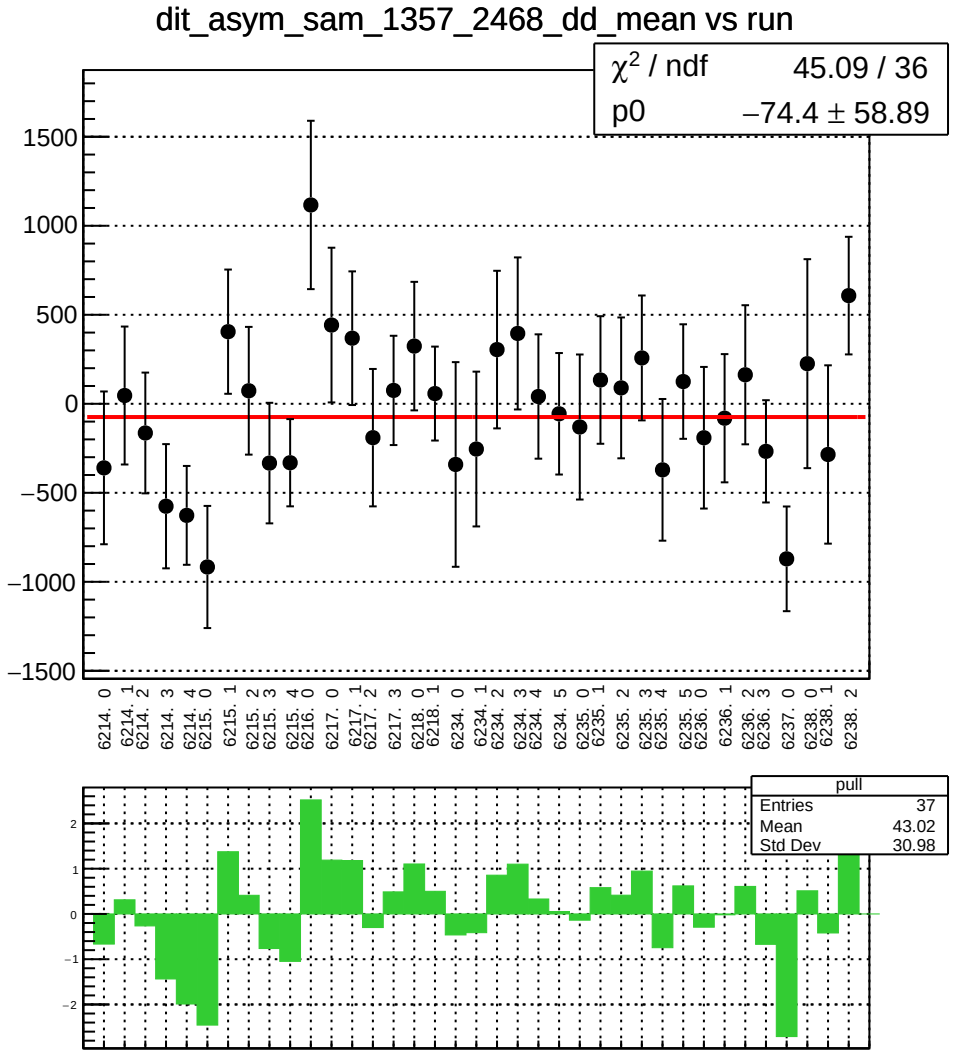

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 32.99 / 36
p0 −614 ± 2327
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 61.74
Std Dev 41.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.005456
Std Dev 0.9442
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

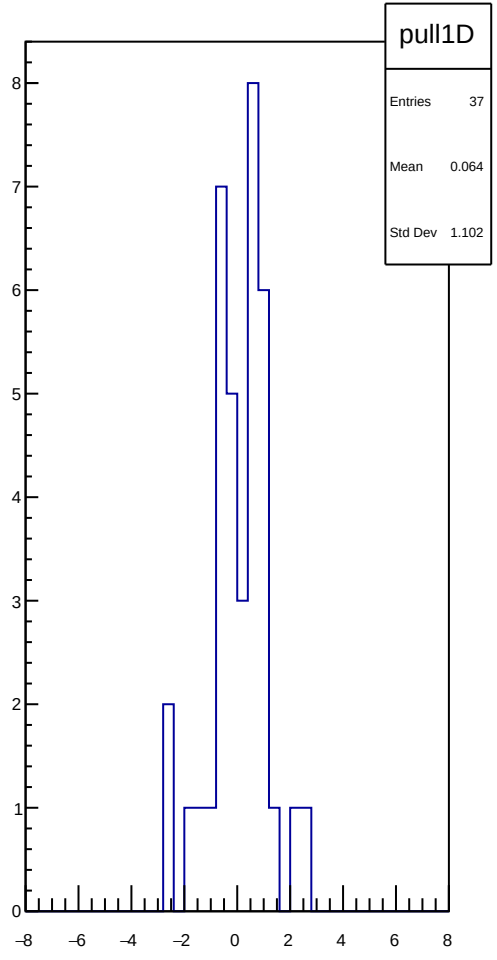

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2273 / 36
p0 1439 ± 1.646
1800
1700
1600
1500
1400
1300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

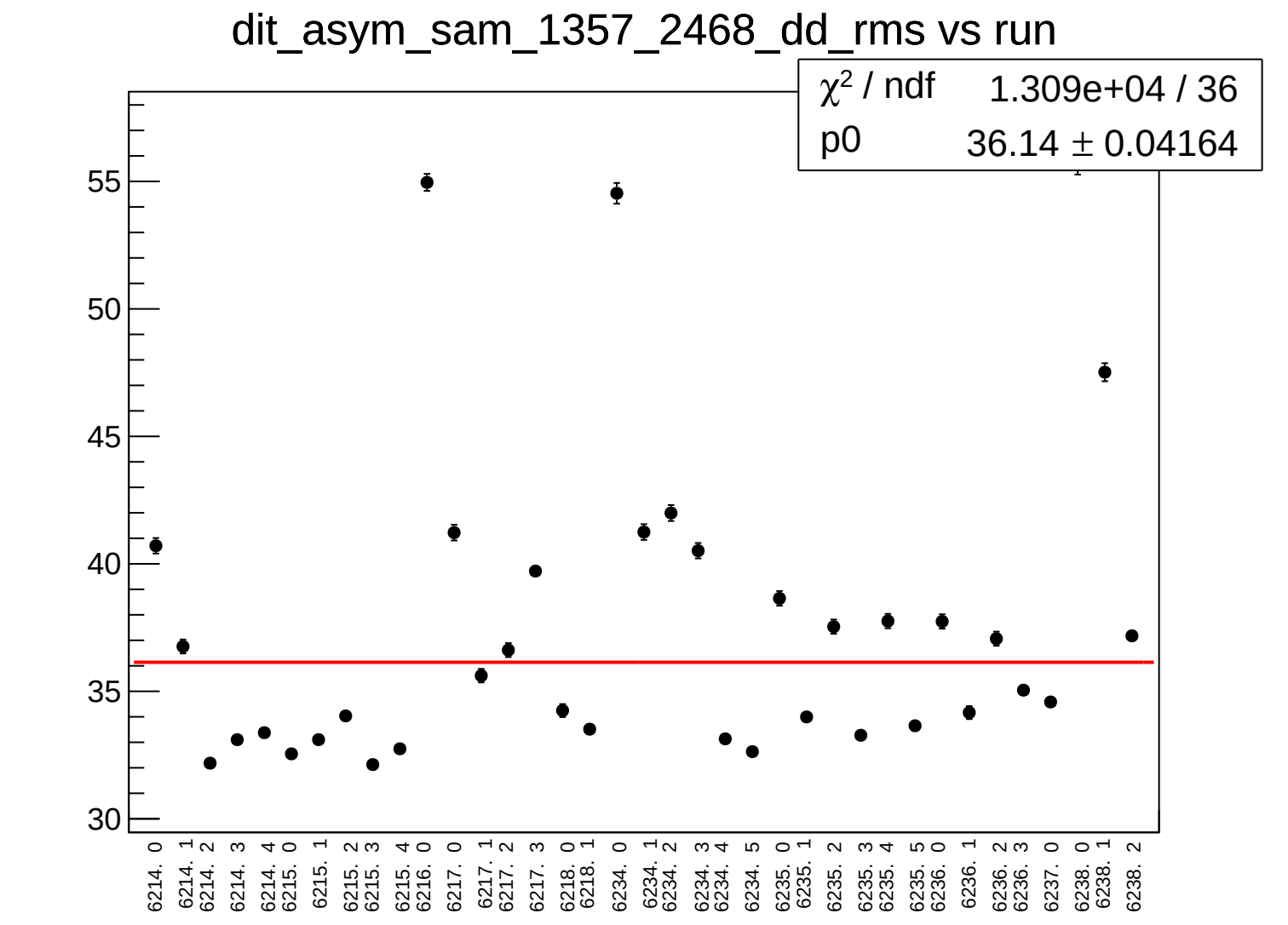

asym_sam_2468_avg_mean vs run
χ² / ndf 30.67 / 36
p0 755.4 ± 2288
40000
20000
0
−20000
−40000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 54.26
Std Dev 25.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

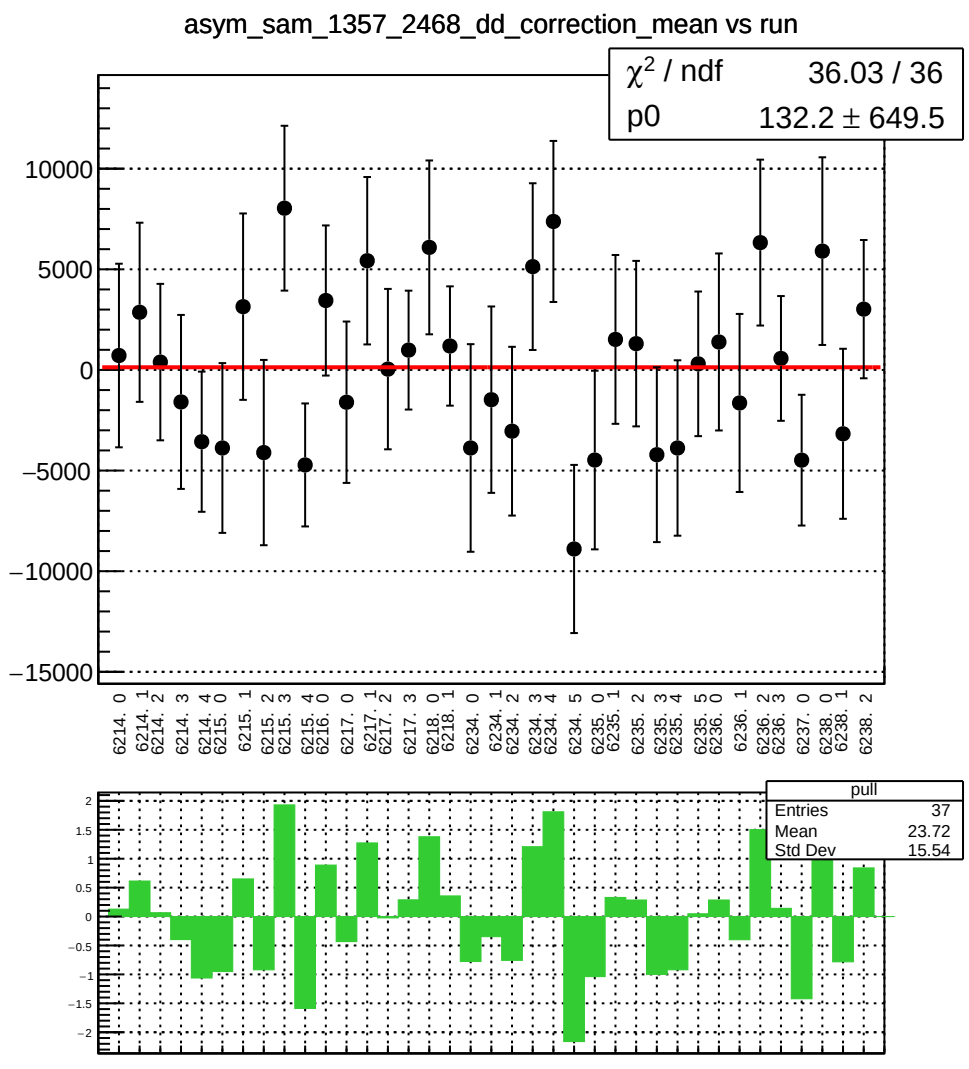

pull1D
Entries 37
Mean 0.003764
Std Dev 0.9104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

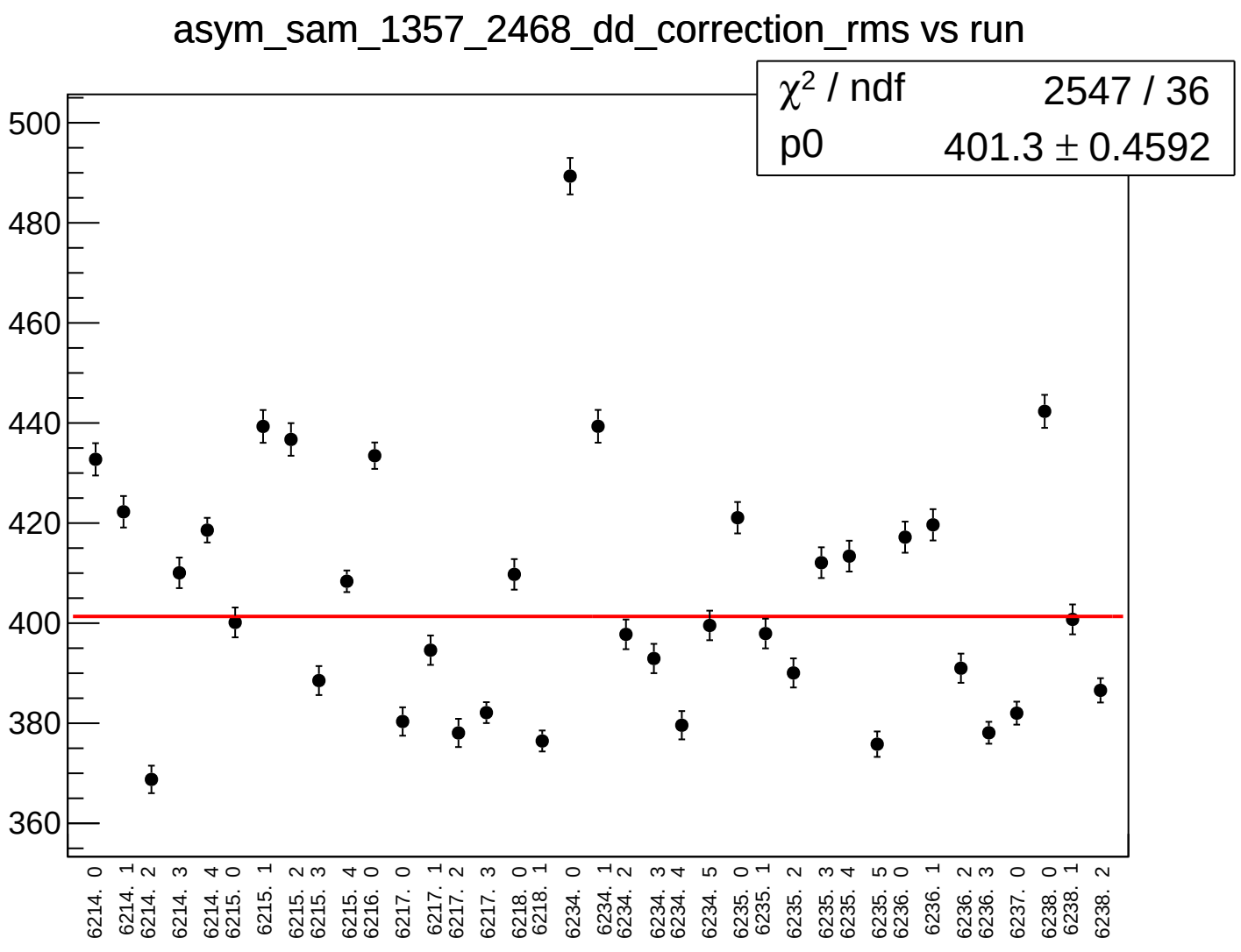

asym_sam_2468_avg_rms vs run
χ² / ndf 2675 / 36
p0 1414 ± 1.618
1700
1650
1600
1550
1500
1450
1400
1350
1300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

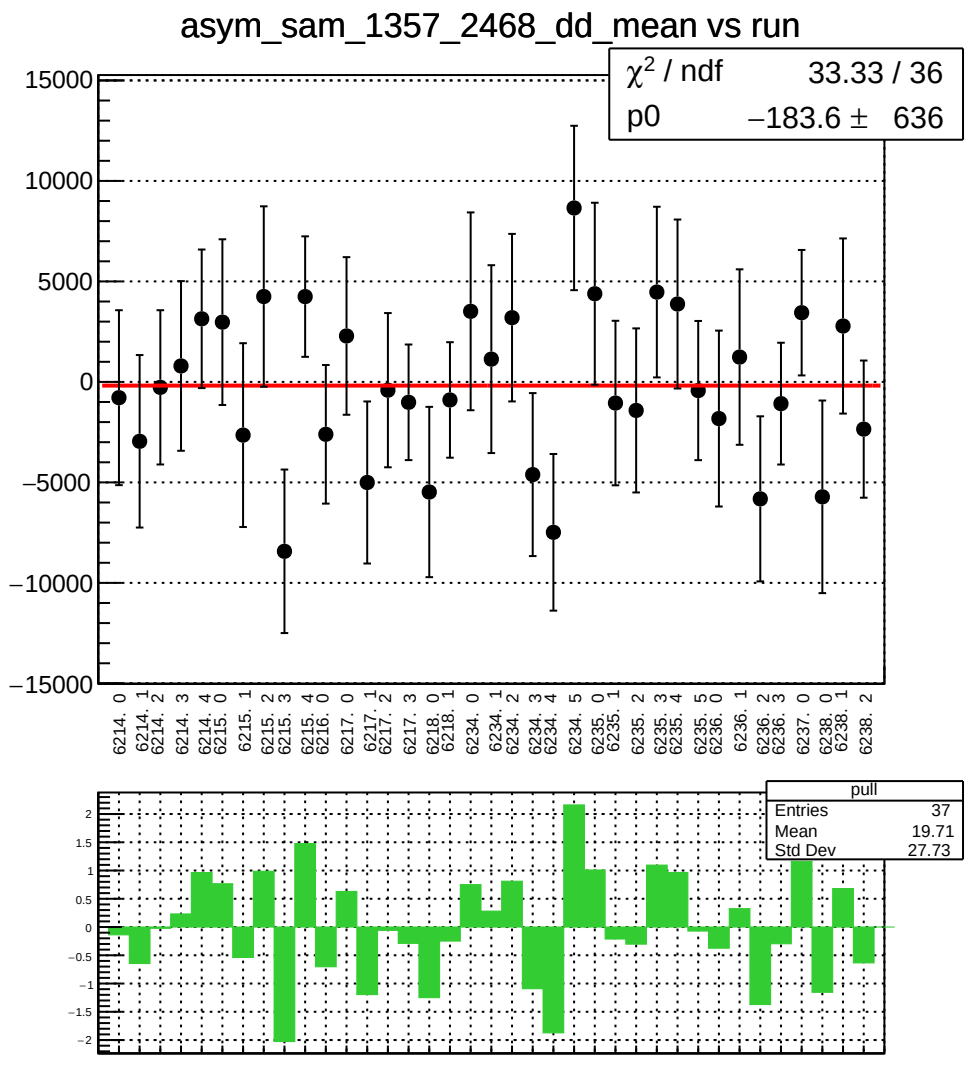

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 45.09 / 36
p0 −74.4 ± 58.89
1500
1000
500
0
−500
−1000
−1500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 43.02
Std Dev 30.98
2
1
0
−1
−2

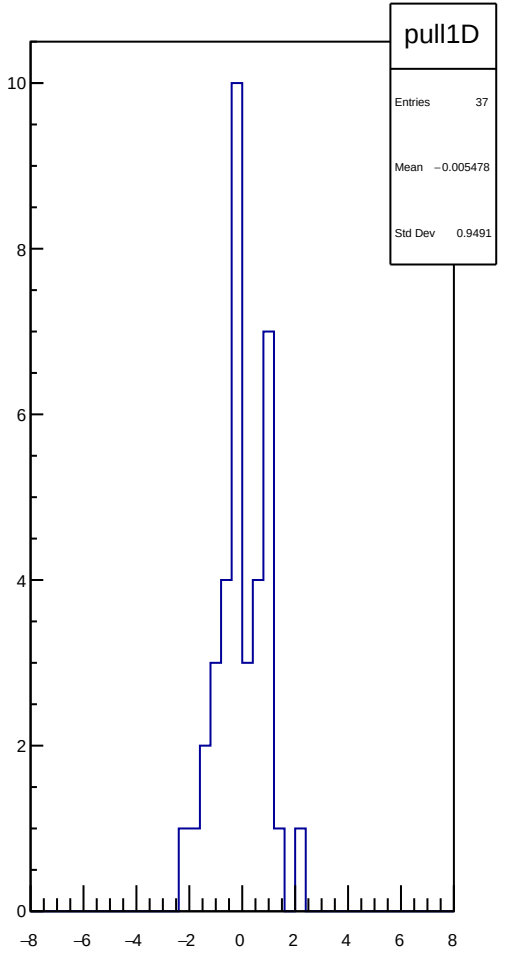

pull1D
Entries 37
Mean 0.064
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

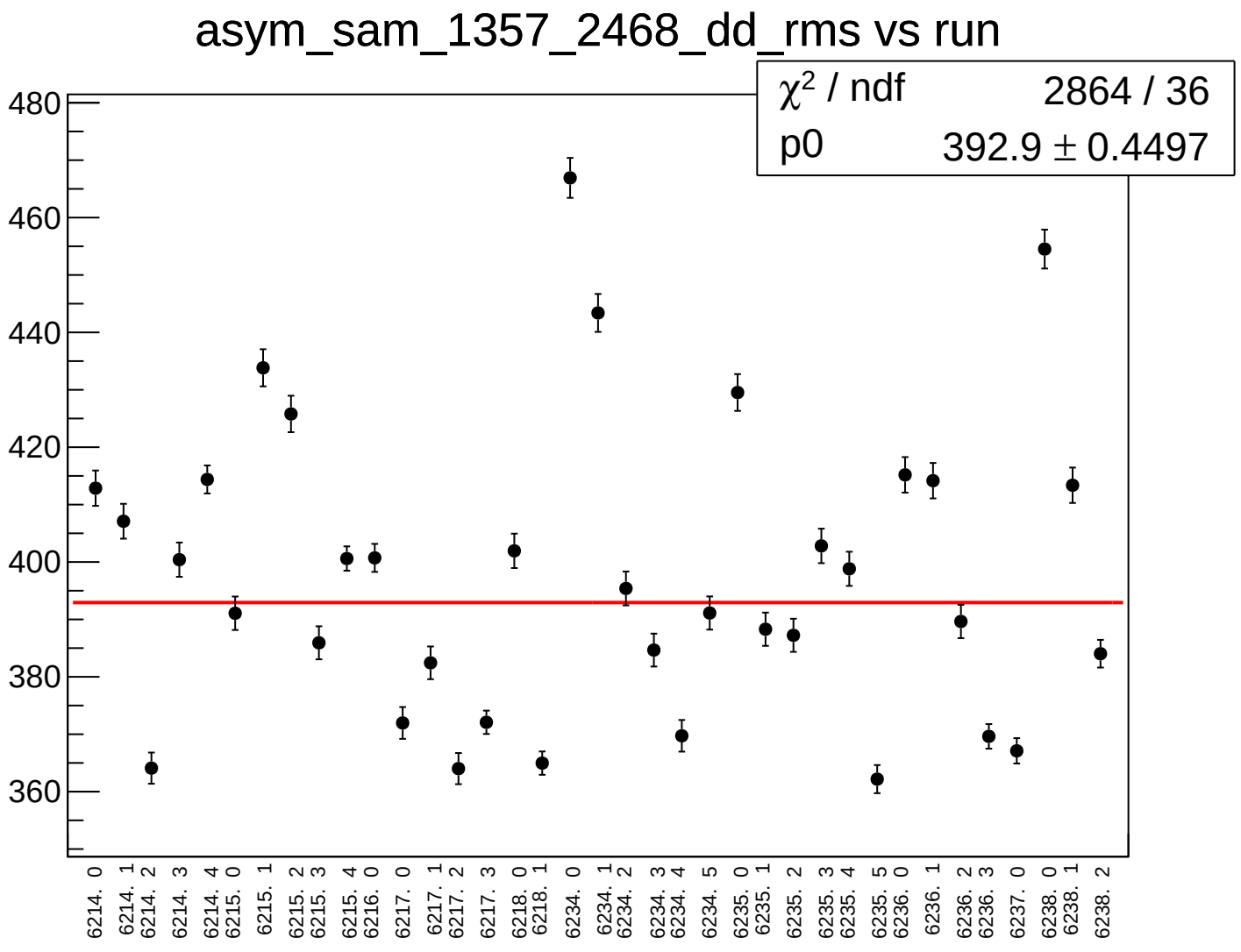

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.309e+04 / 36
p0 36.14 ± 0.04164
55
50
45
40
35
30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

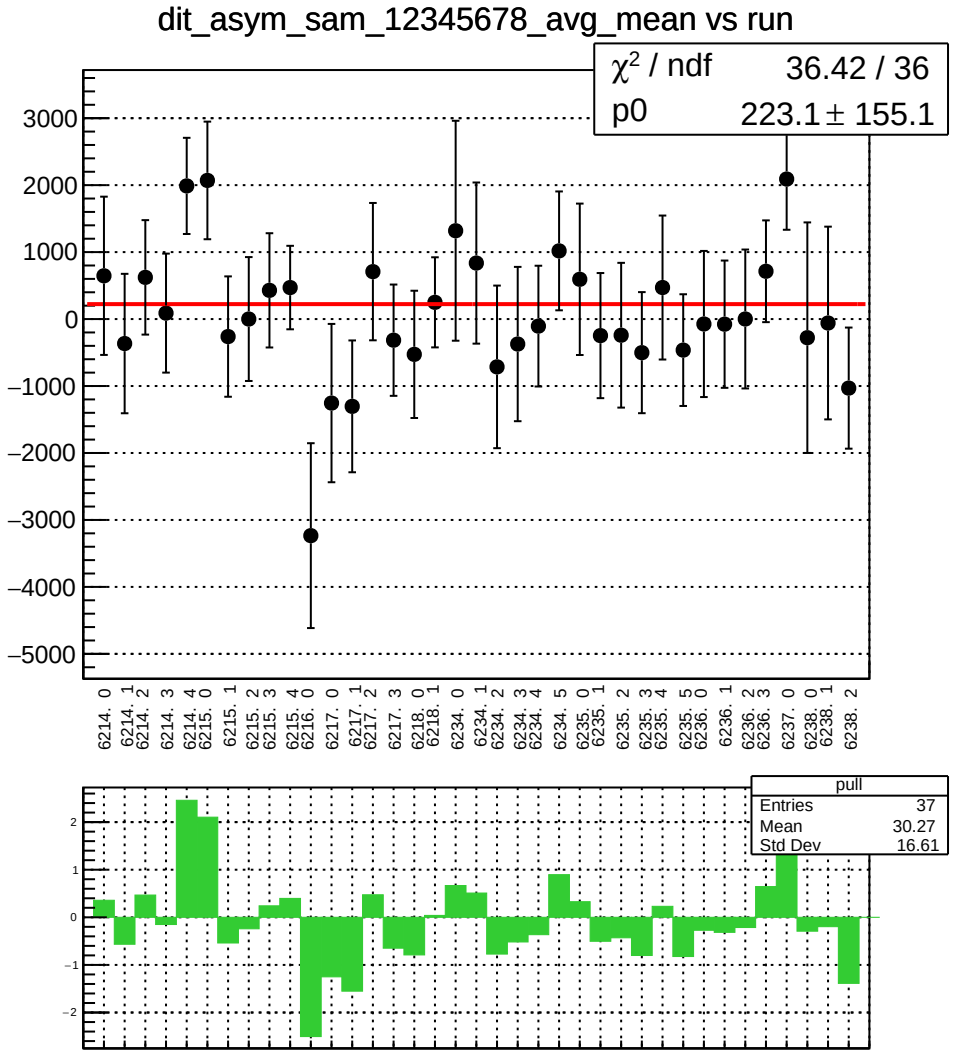

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 36.03 / 36
p0 132.2 ± 649.5
10000
5000
0
−5000
−10000
−15000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 23.72
Std Dev 15.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.007735
Std Dev 0.9868
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

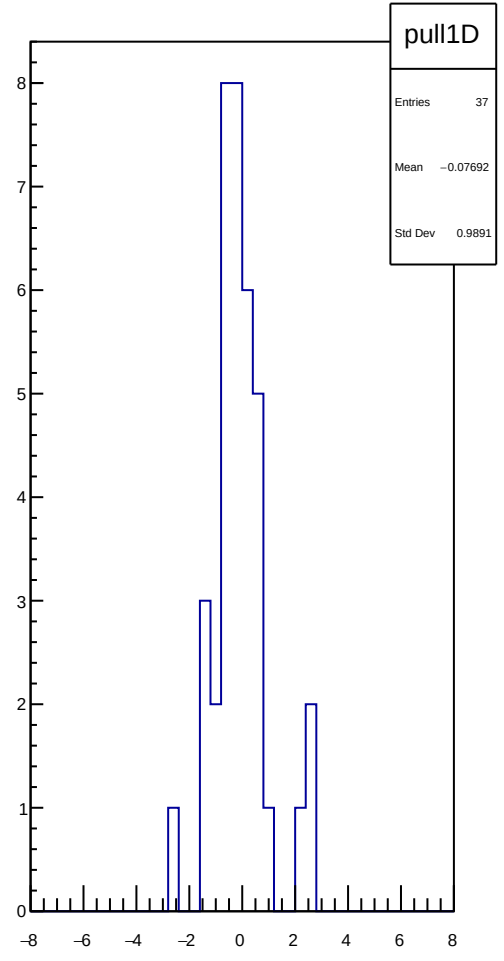

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2547 / 36
p0 401.3 ± 0.4592
500
480
460
440
420
400
380
360
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

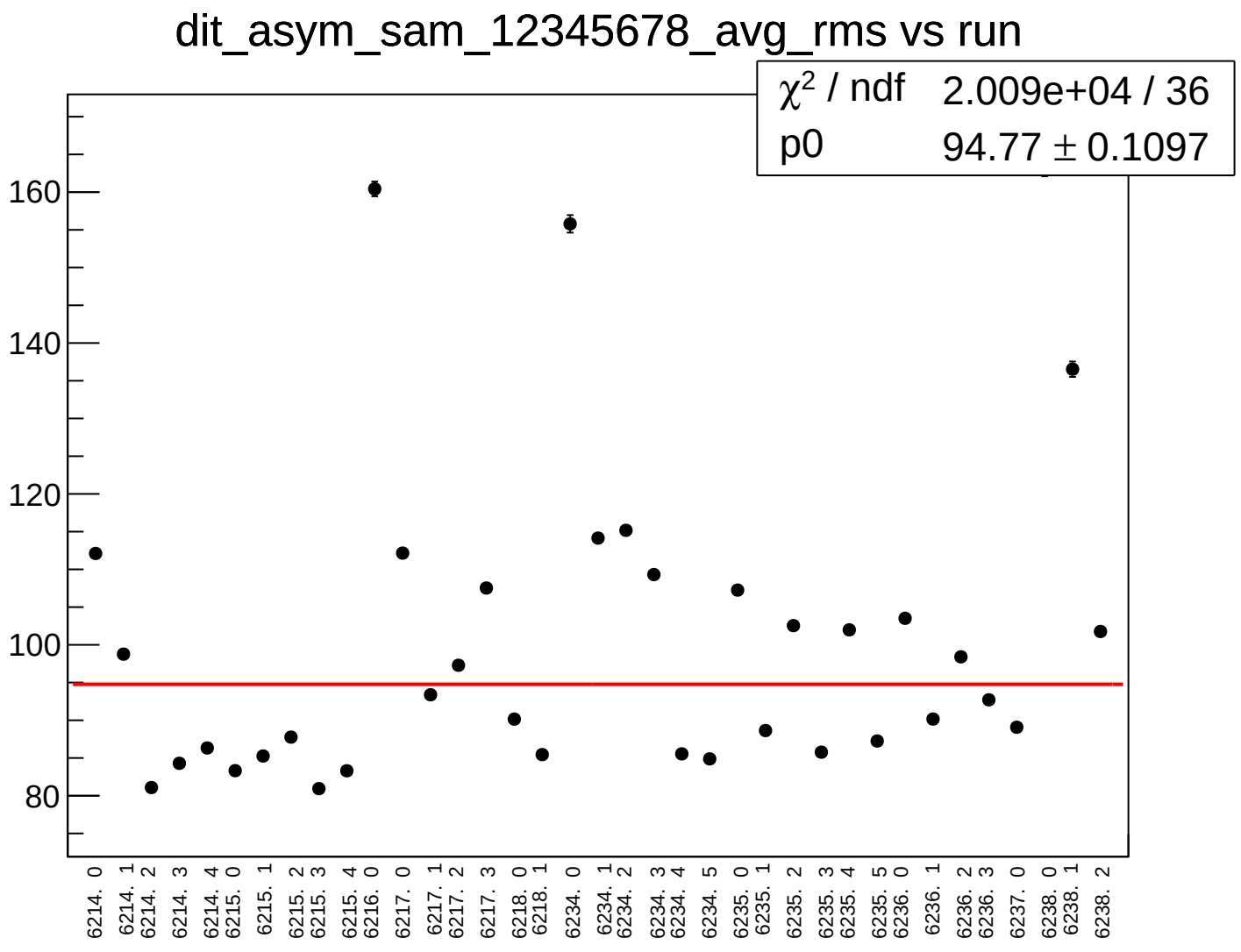

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 33.33 / 36
p0 −183.6 ± 636
15000
10000
5000
0
−5000
−10000
−15000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 19.71
Std Dev 27.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

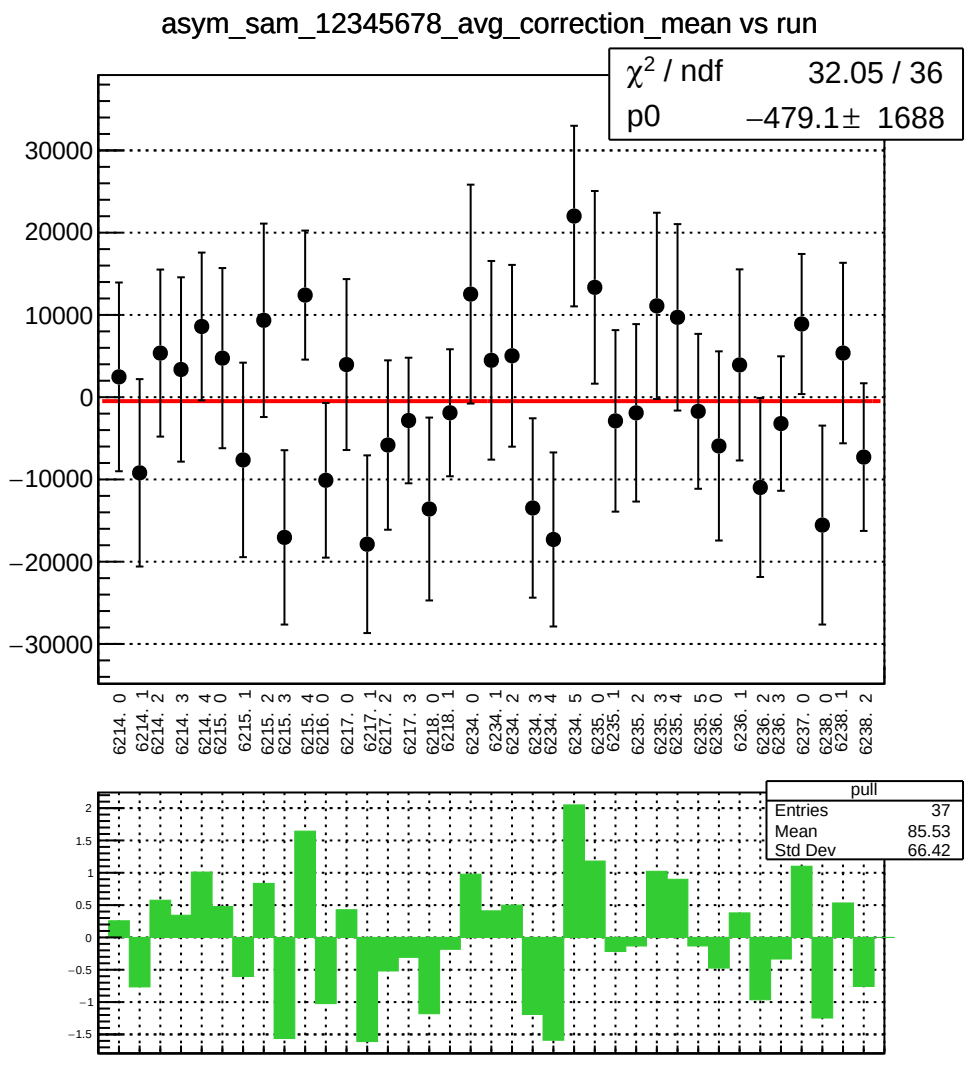

pull1D
Entries 37
Mean −0.005478
Std Dev 0.9491
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

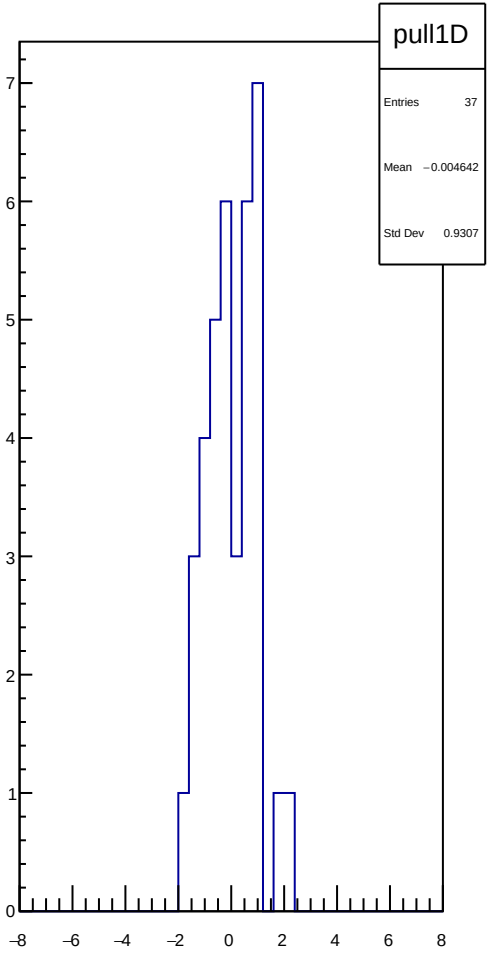

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2864 / 36
p0 392.9 ± 0.4497
480
460
440
420
400
380
360
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

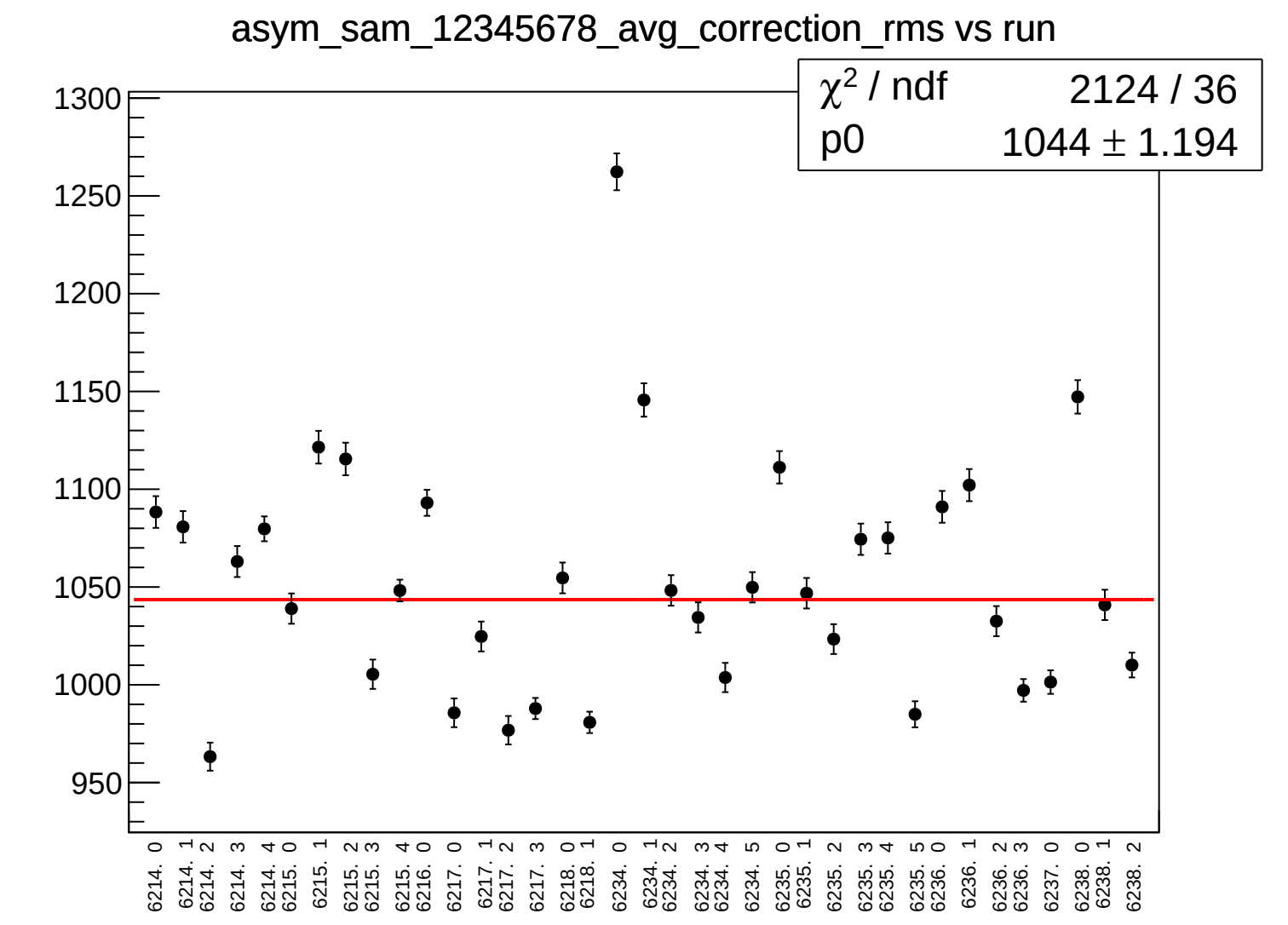

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 36.42 / 36
p0 223.1 ± 155.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 30.27
Std Dev 16.61
2
1
0
−1
−2

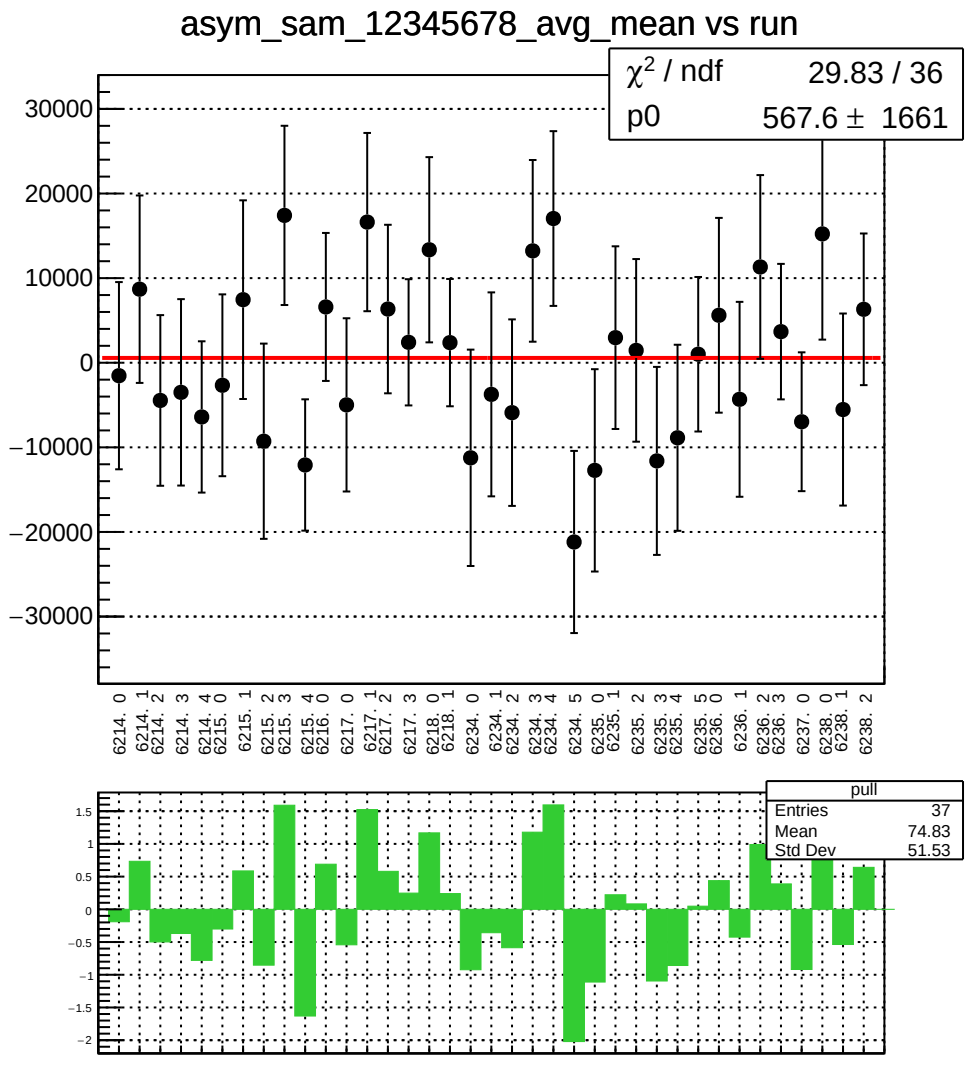

pull1D
Entries 37
Mean −0.07692
Std Dev 0.9891
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

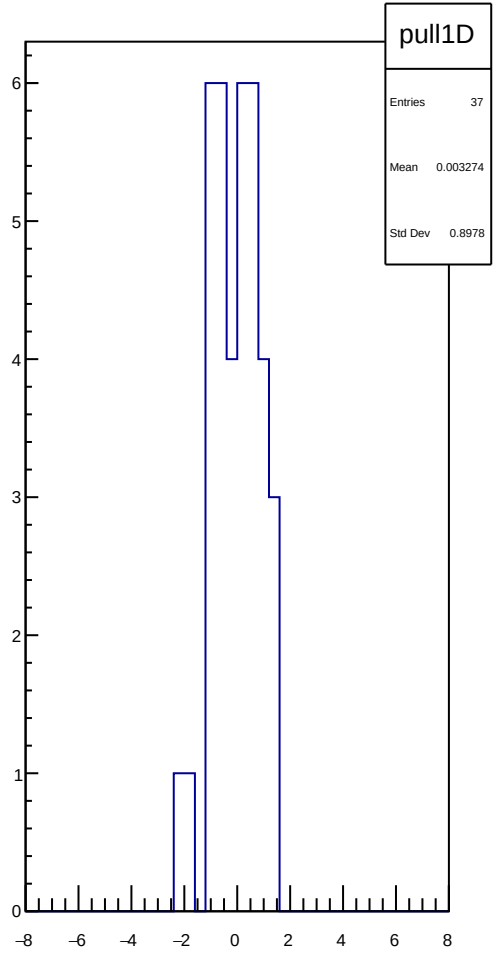

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.009e+04 / 36
p0 94.77 ± 0.1097
160
140
120
100
80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

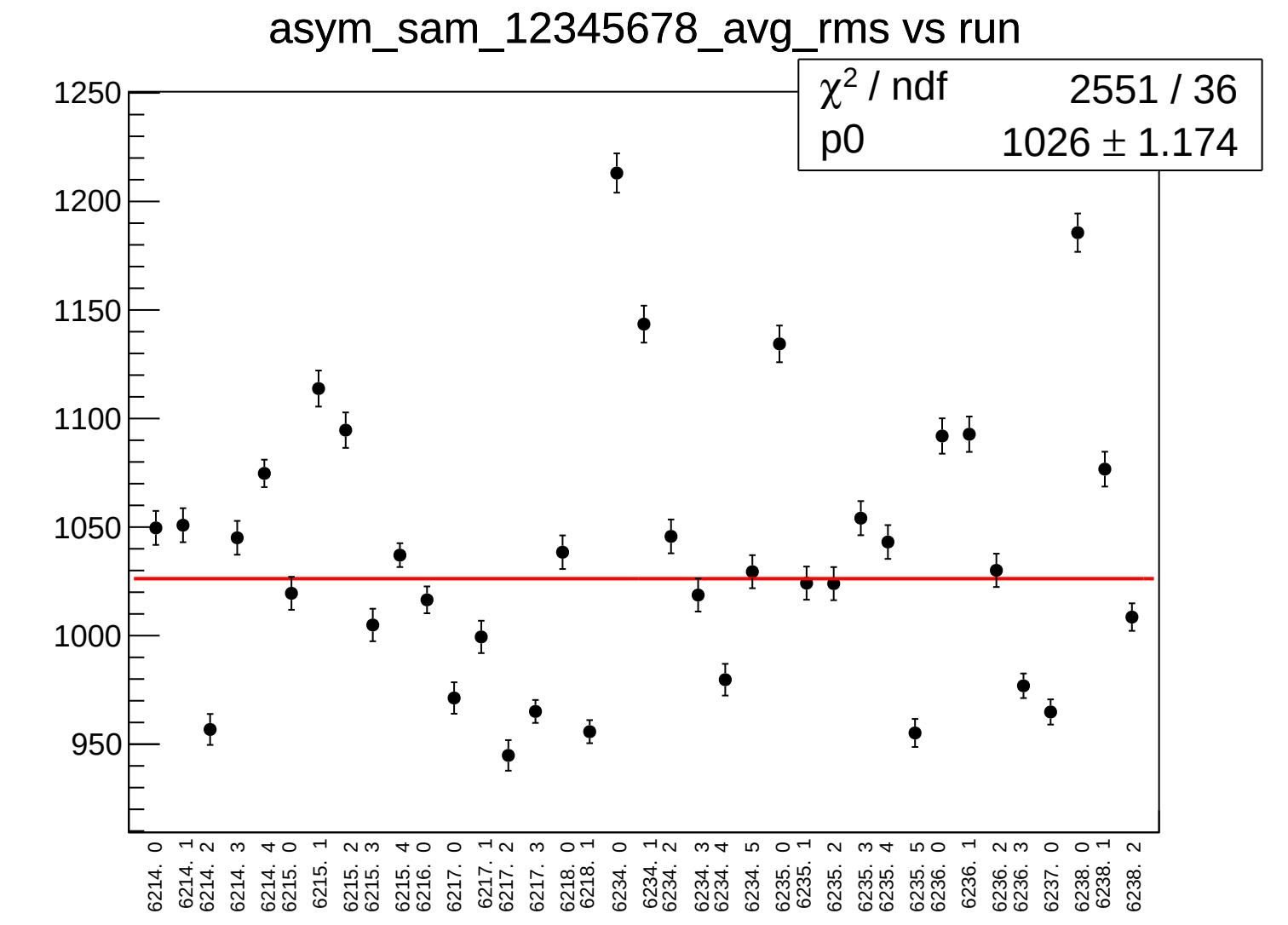

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 32.05 / 36
p0 −479.1± 1688
30000
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 85.53
Std Dev 66.42
2
1.5
1
0.5
0
−0.5
−1
−1.5

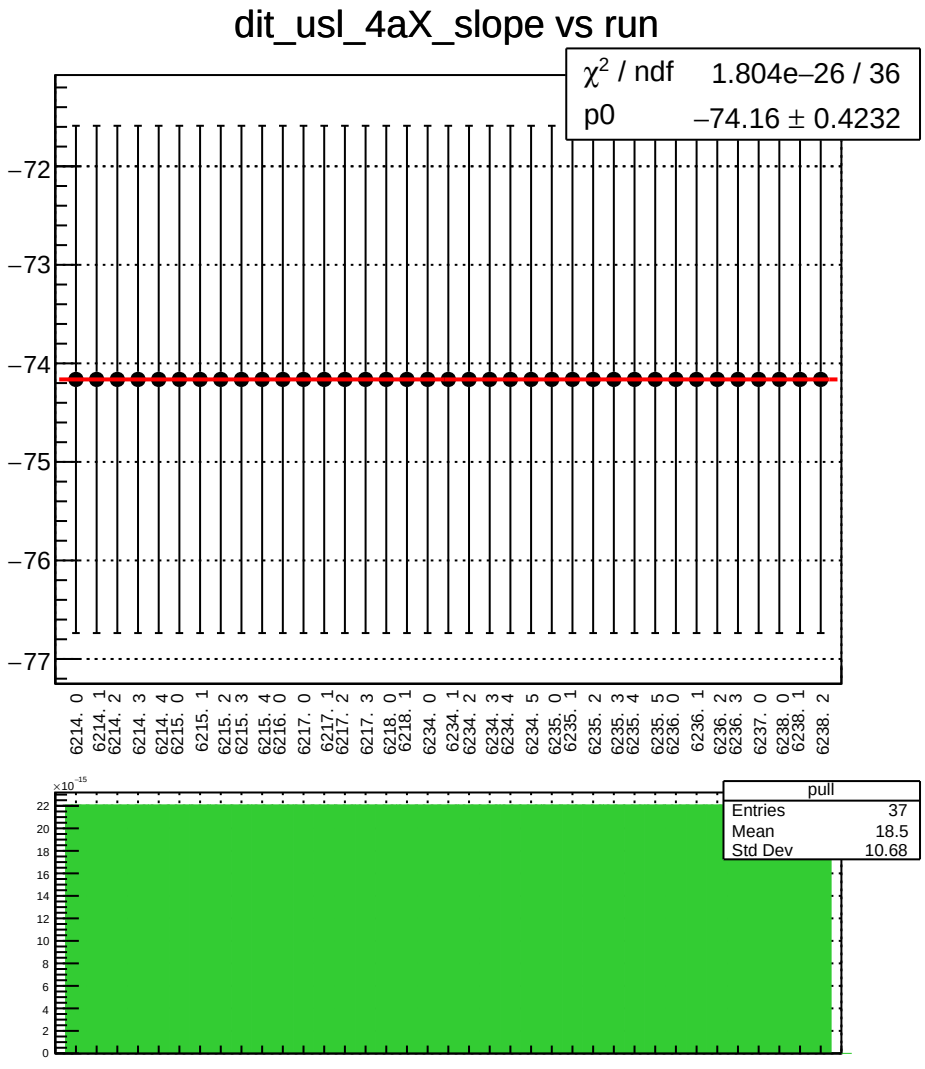

pull1D
Entries 37
Mean −0.004642
Std Dev 0.9307
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

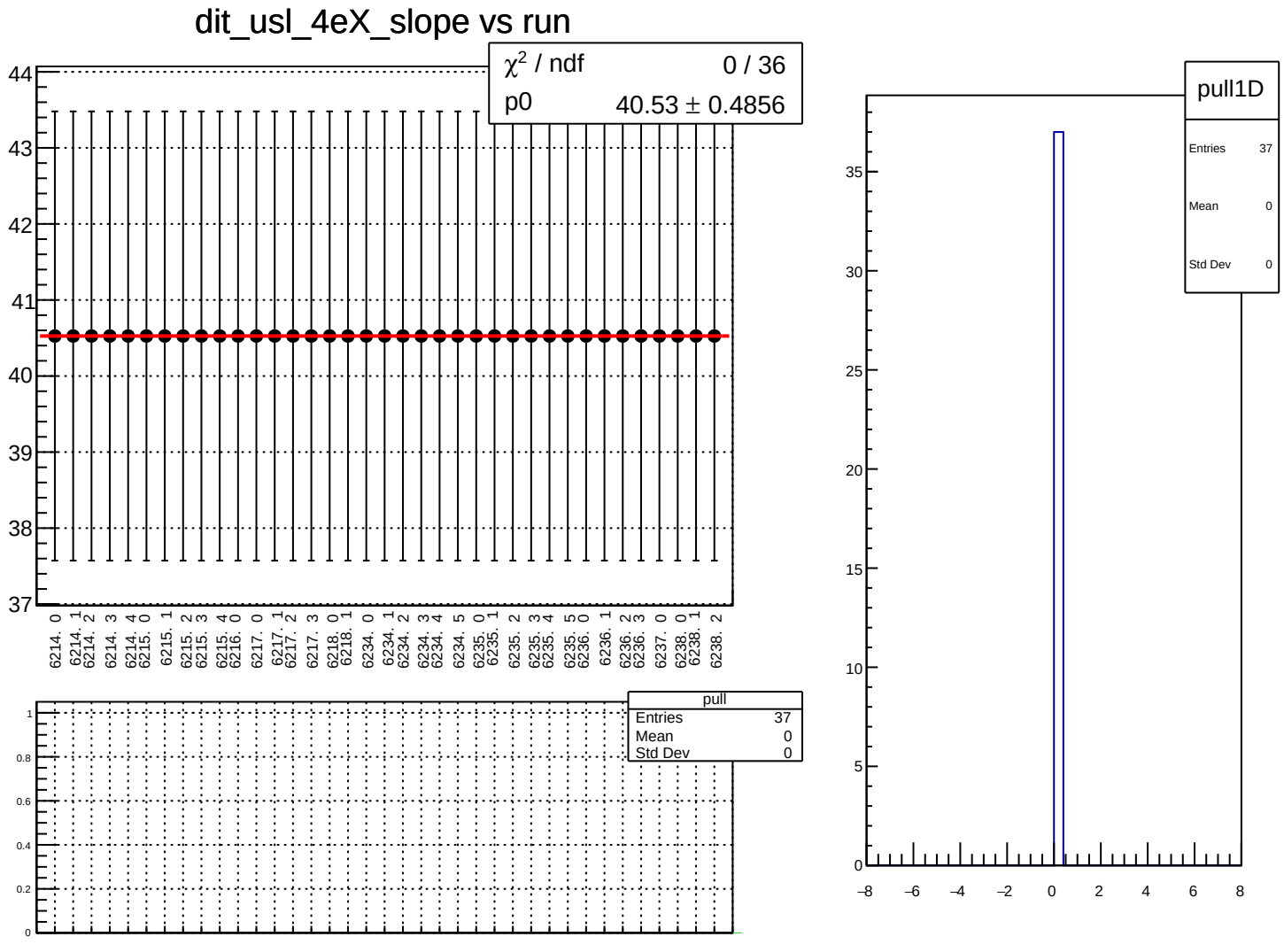

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2124 / 36
p0 1044 ± 1.194
1300
1250
1200
1150
1100
1050
1000
950
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

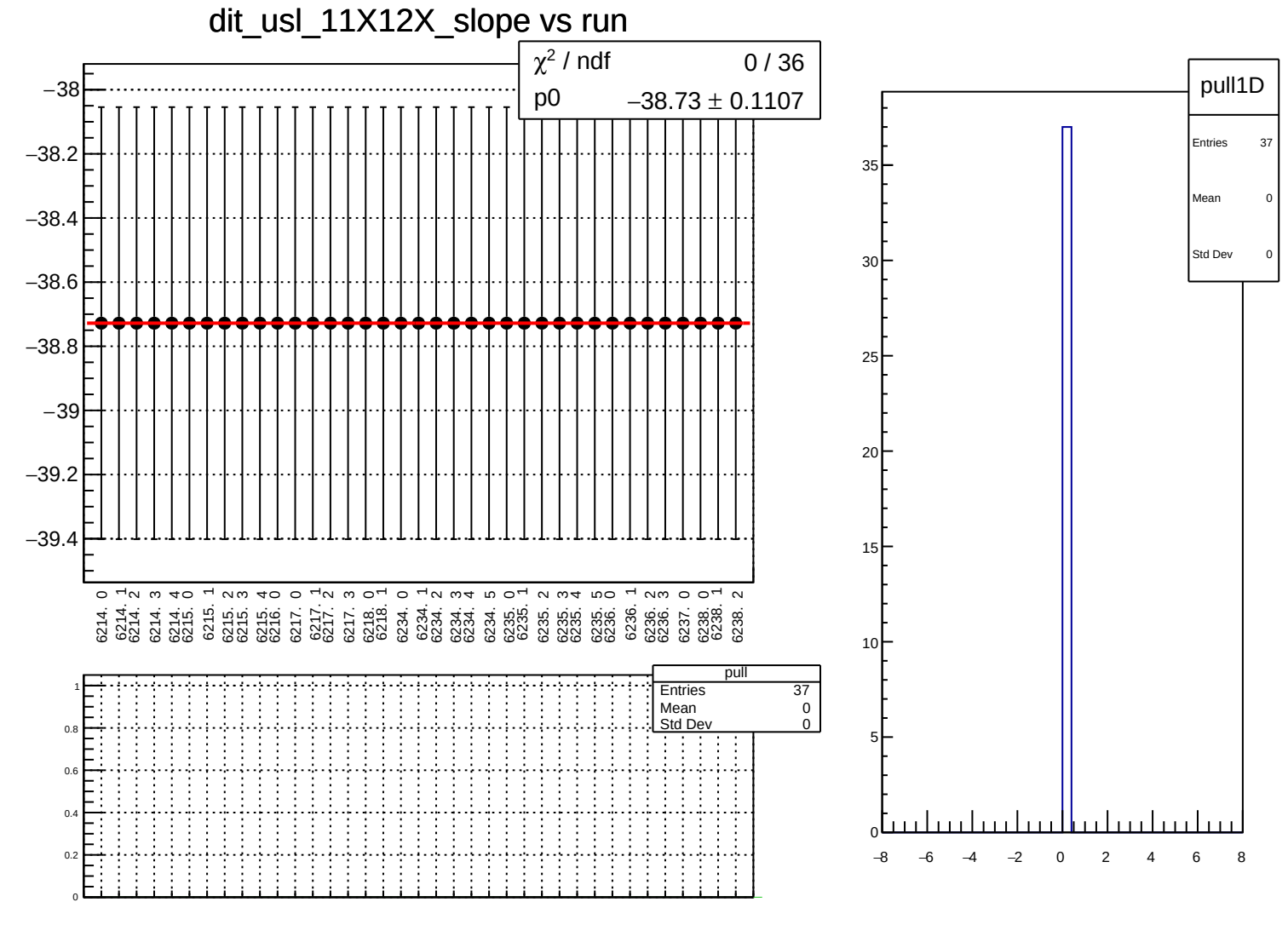

asym_sam_12345678_avg_mean vs run
χ² / ndf 29.83 / 36
p0 567.6 ± 1661
30000
20000
10000
0
−10000
−20000
−30000
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 74.83
Std Dev 51.53
1.5
1
0.5
0
−0.5
−1
−1.5
−2

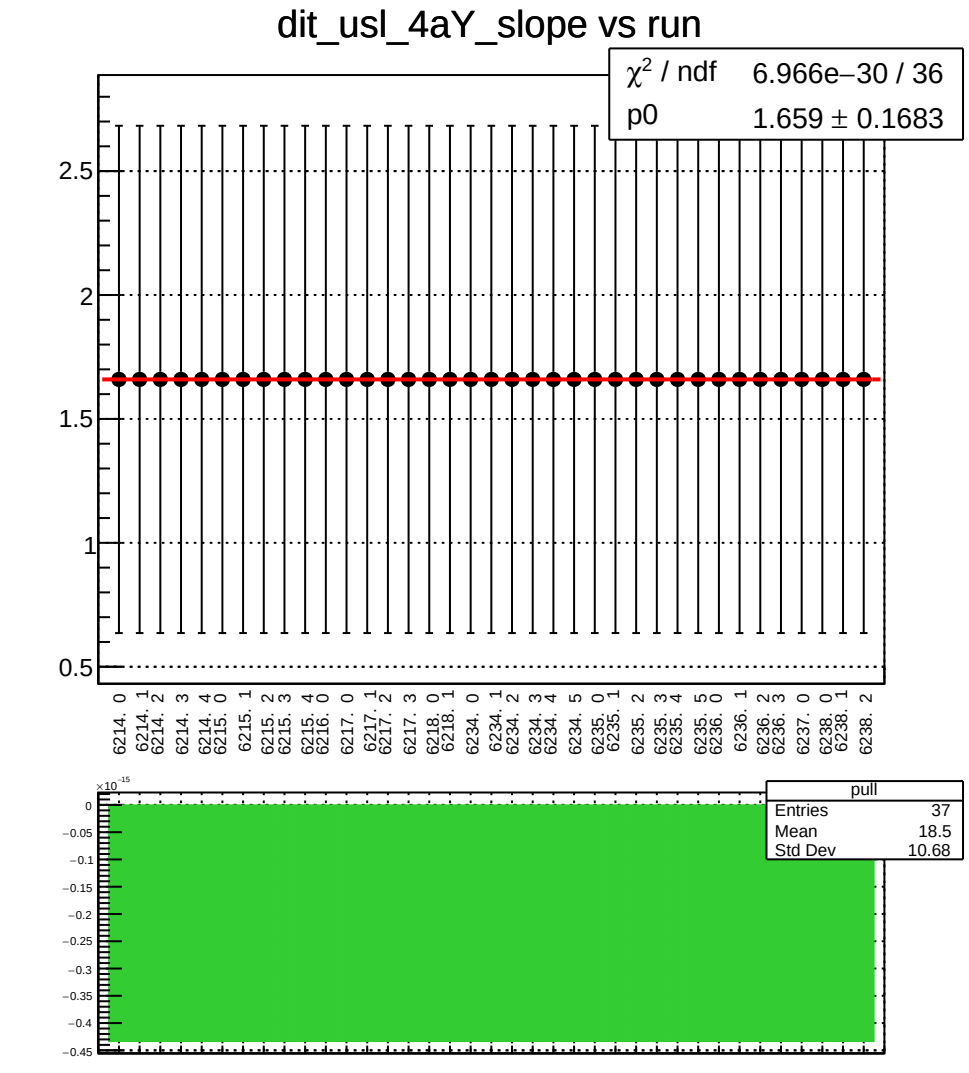

pull1D
Entries 37
Mean 0.003274
Std Dev 0.8978
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

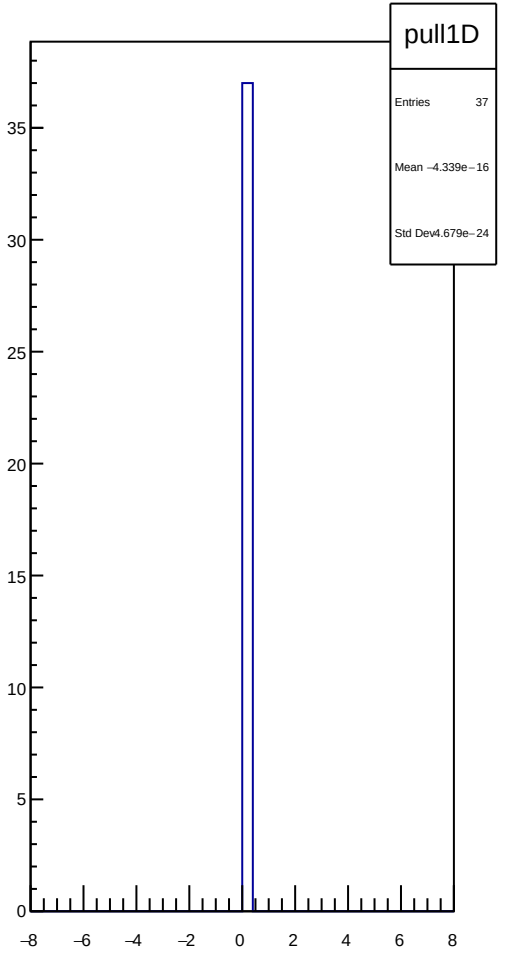

asym_sam_12345678_avg_rms vs run
χ² / ndf 2551 / 36
p0 1026 ± 1.174
1250
1200
1150
1100
1050
1000
950
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

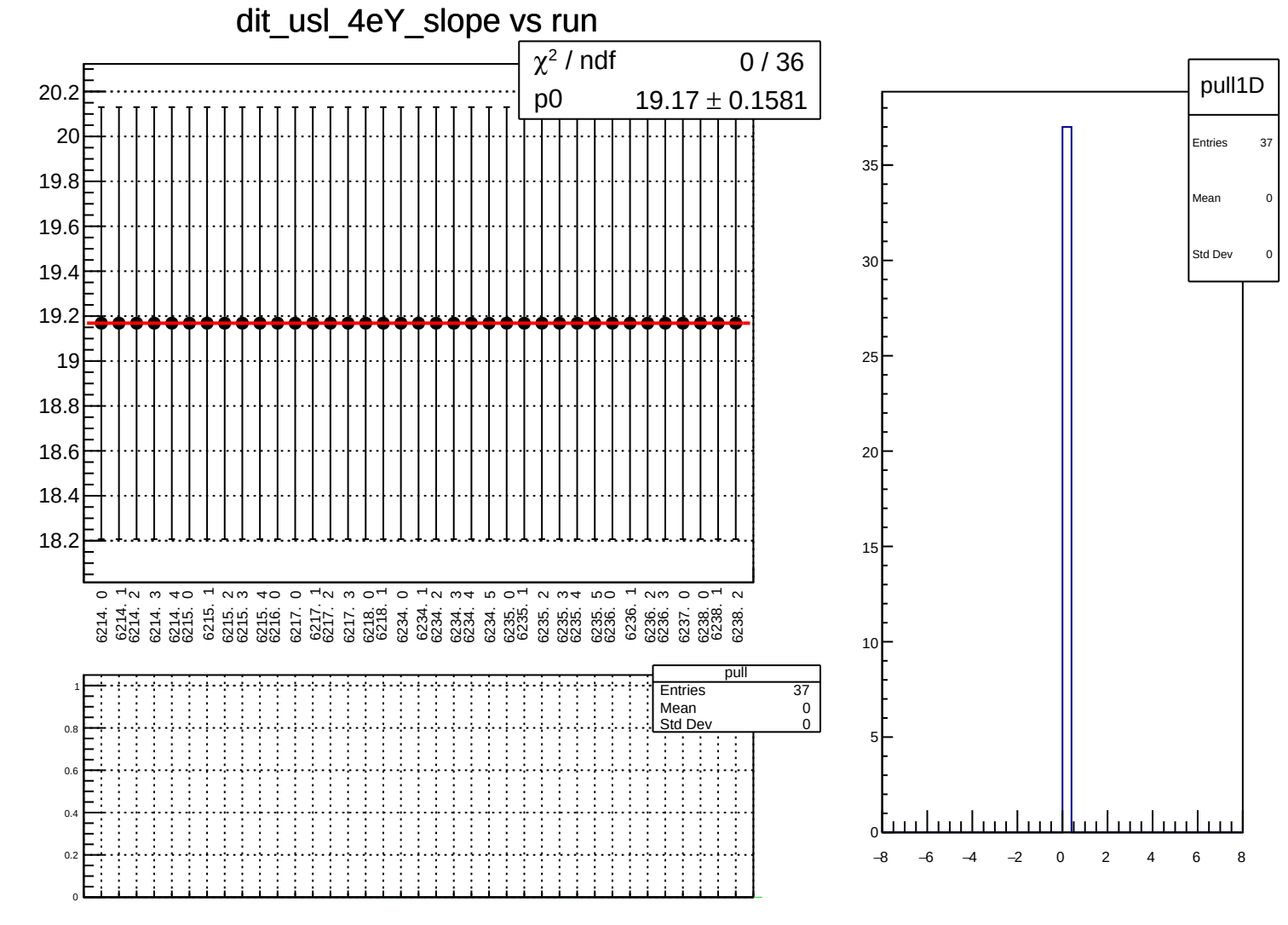

dit_usl_4aX_slope vs run
χ² / ndf 1.804e−26 / 36
p0 −74.16 ± 0.4232
−72
−73
−74
−75
−76
−77
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 2.208e−14
Std Dev 6.696e−22

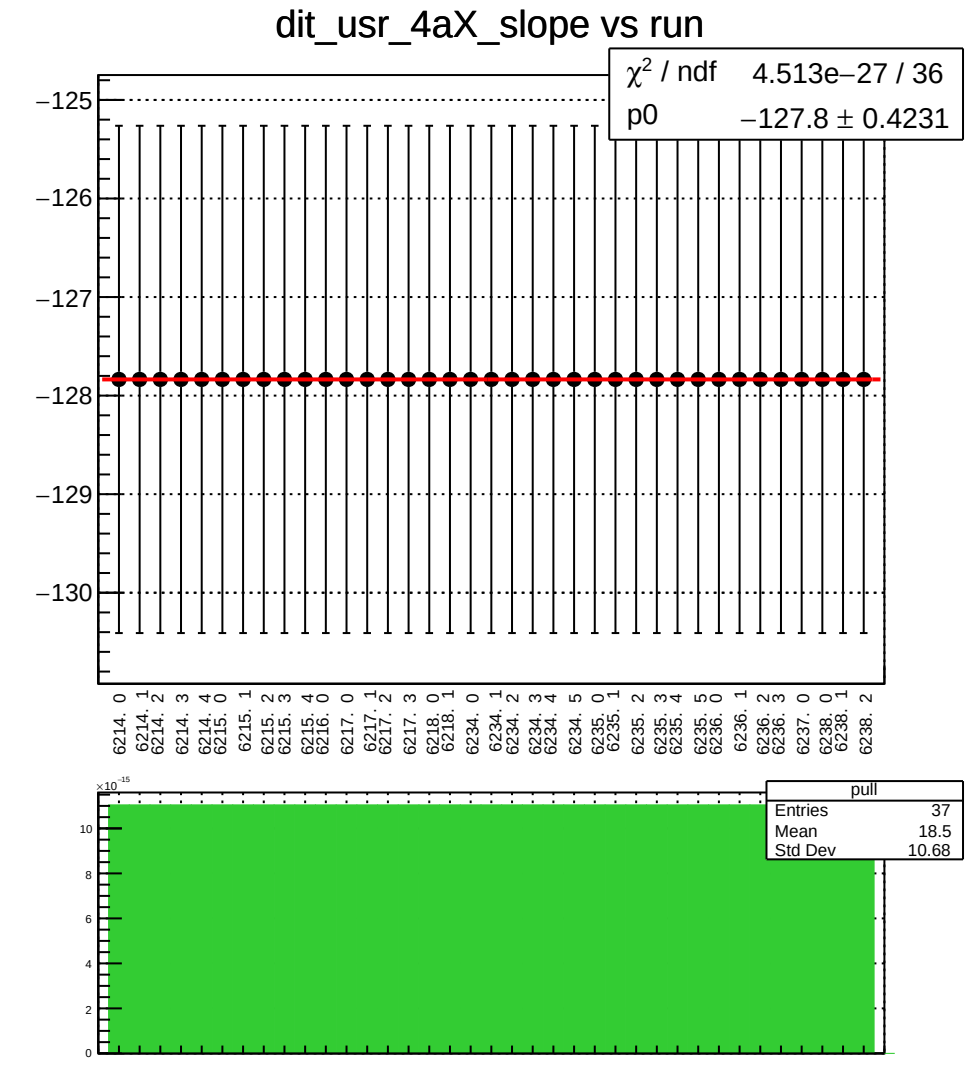

dit_usl_4eX_slope vs run
χ² / ndf 0 / 36
p0 40.53 ± 0.4856
pull
Entries 37
Mean 0
Std Dev 0
pull1D
Entries 37
Mean 0
Std Dev 0

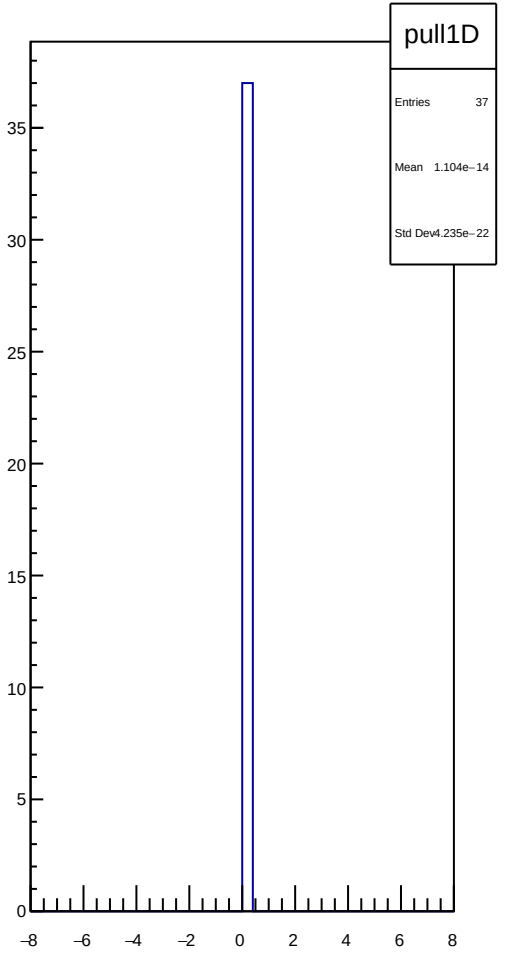

dit_usl_11X12X_slope vs run
χ² / ndf 0 / 36
p0 −38.73 ± 0.1107
−38
−38.2
−38.4
−38.6
−38.8
−39
−39.2
−39.4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

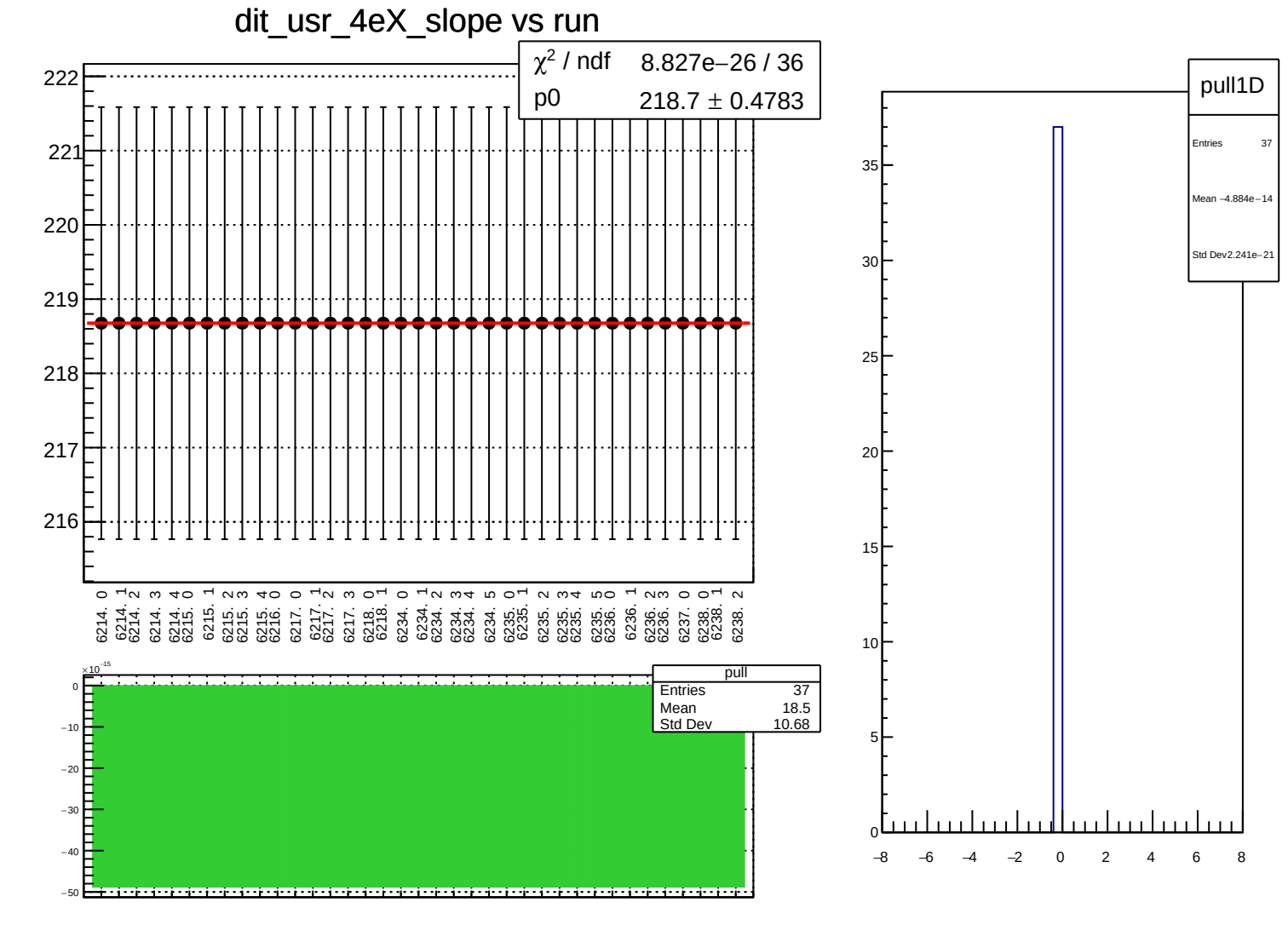

dit_usl_4aY_slope vs run
χ² / ndf 6.966e−30 / 36
p0 1.659 ± 0.1683
2.5
2
1.5
1
0.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 37
Mean 18.5
Std Dev 10.68

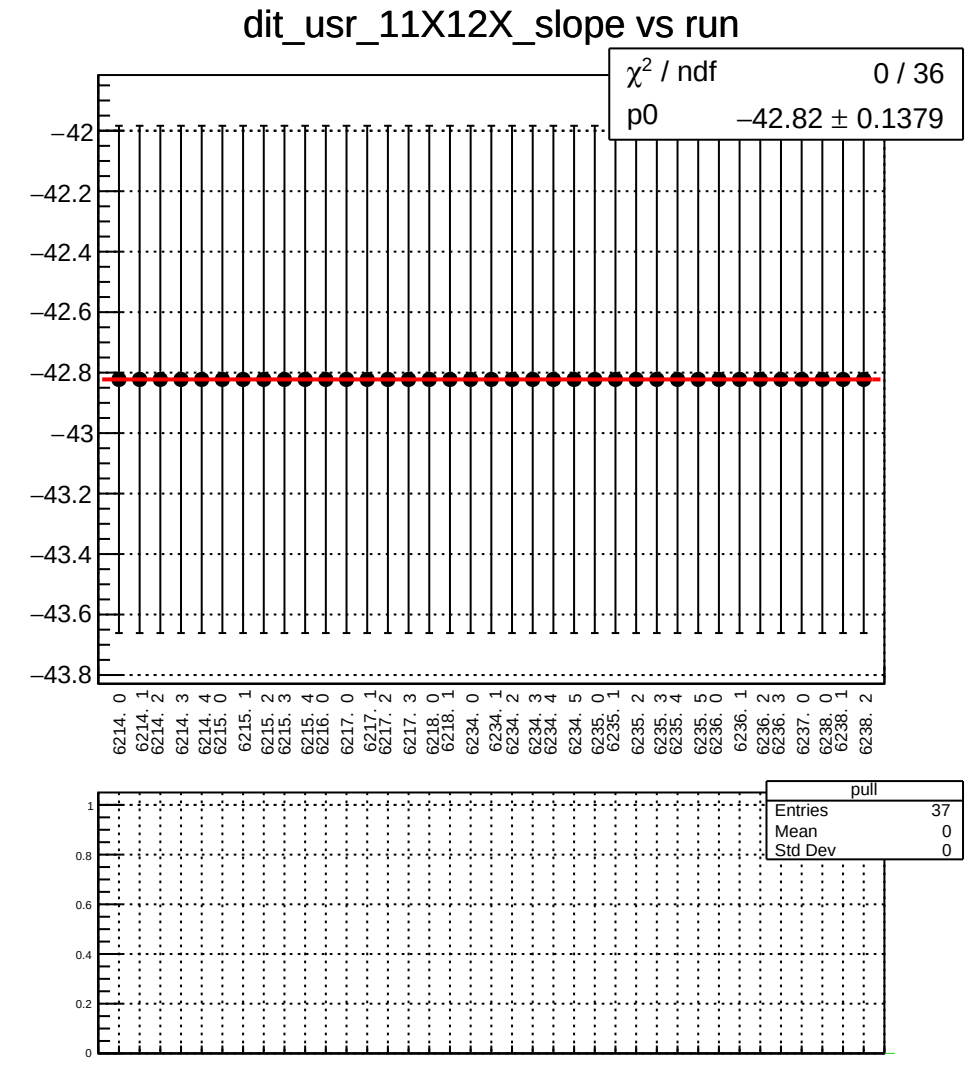

pull1D
Entries 37
Mean −4.339e−16
Std Dev4.679e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

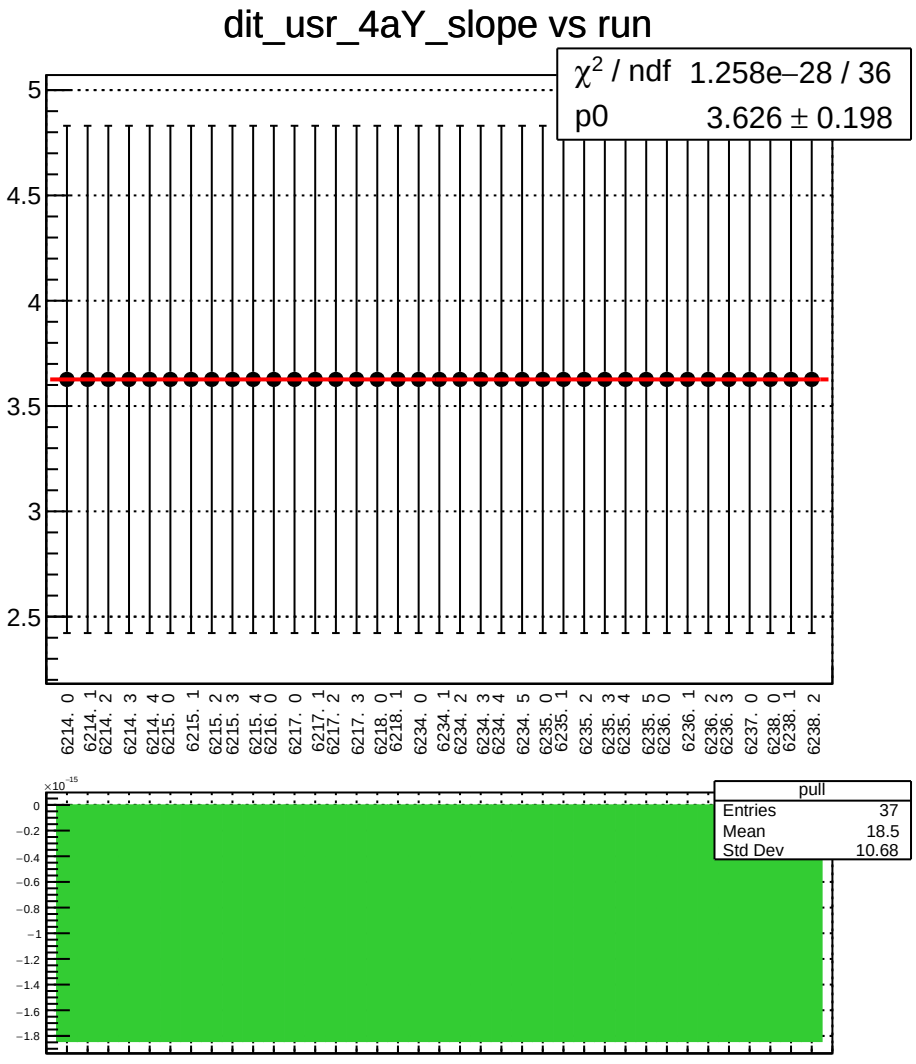

dit_usl_4eY_slope vs run
χ² / ndf 0 / 36
p0 19.17 ± 0.1581
20.2
20
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
18.2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

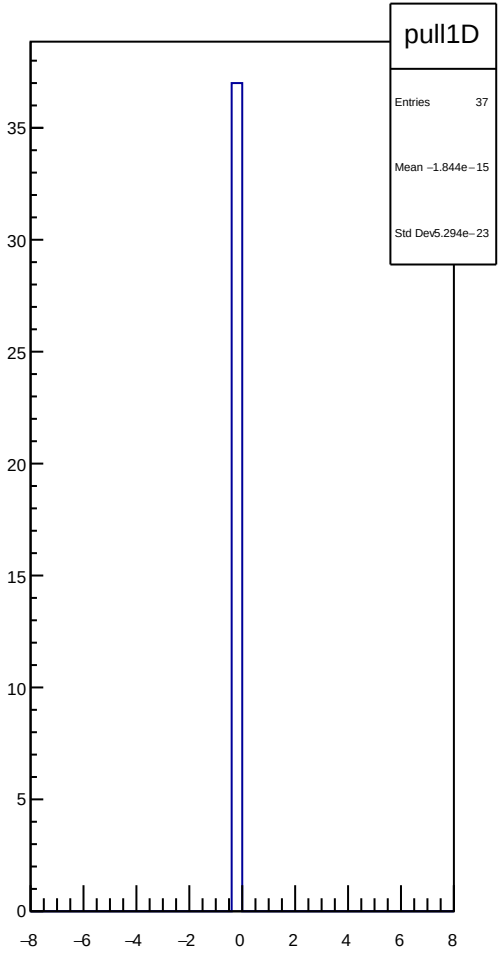

dit_usr_4aX_slope vs run
χ² / ndf 4.513e−27 / 36
p0 −127.8 ± 0.4231
−125
−126
−127
−128
−129
−130
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

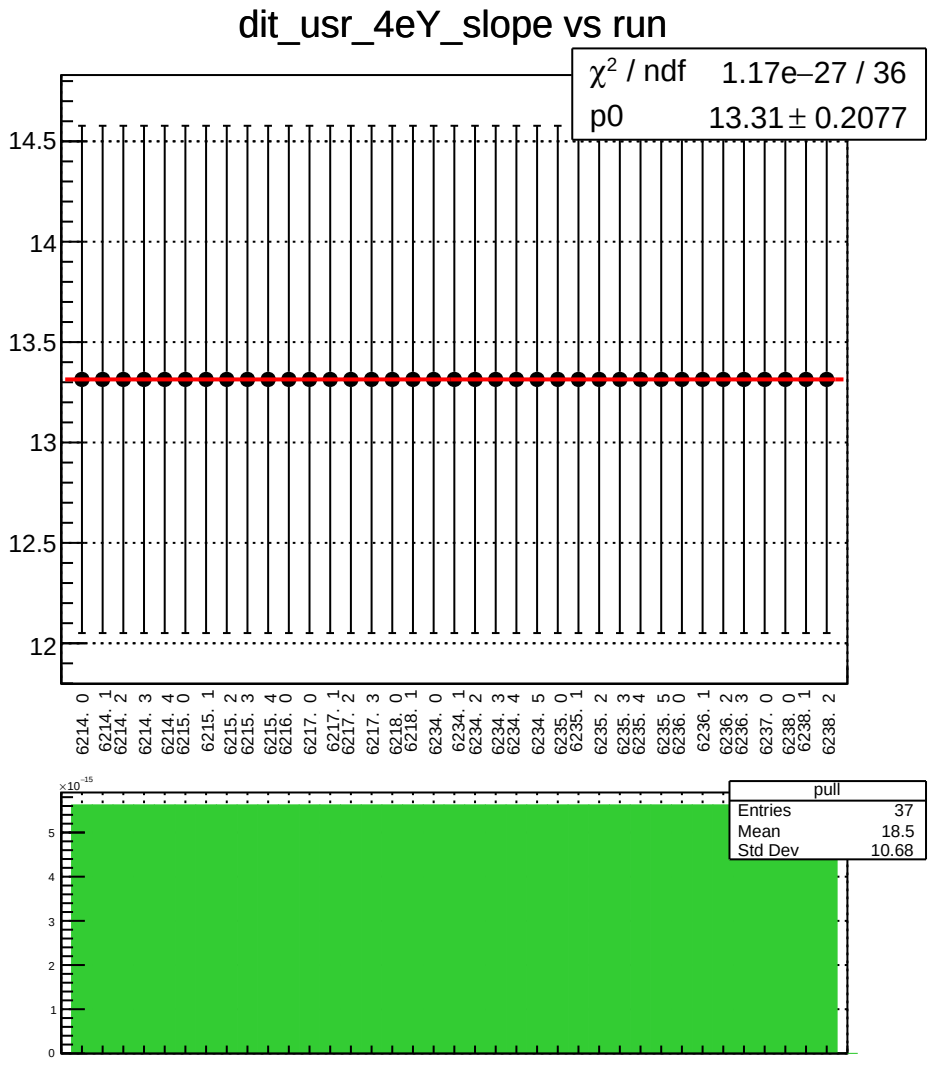

pull1D
Entries 37
Mean 1.104e−14
Std Dev4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

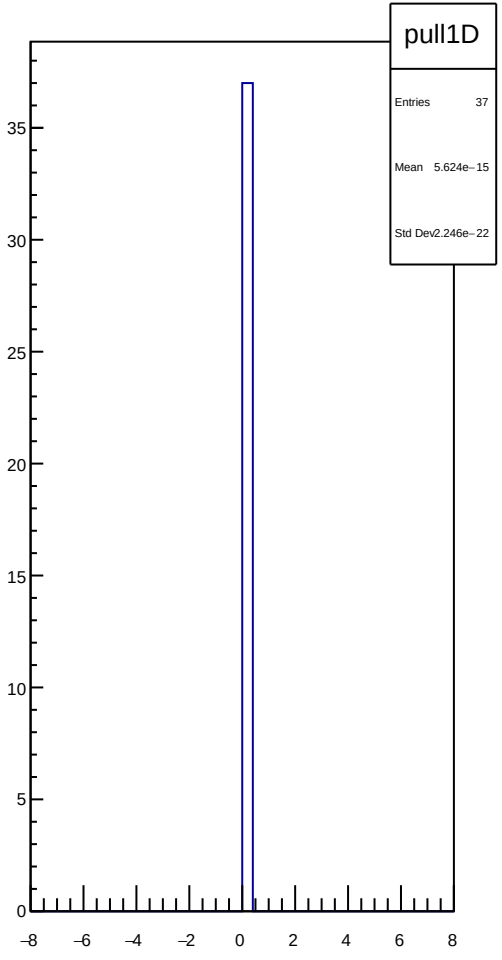

dit_usr_4eX_slope vs run
χ² / ndf 8.827e−26 / 36
p0 218.7 ± 0.4783
222
221
220
219
218
217
216
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −4.884e−14
Std Dev2.241e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

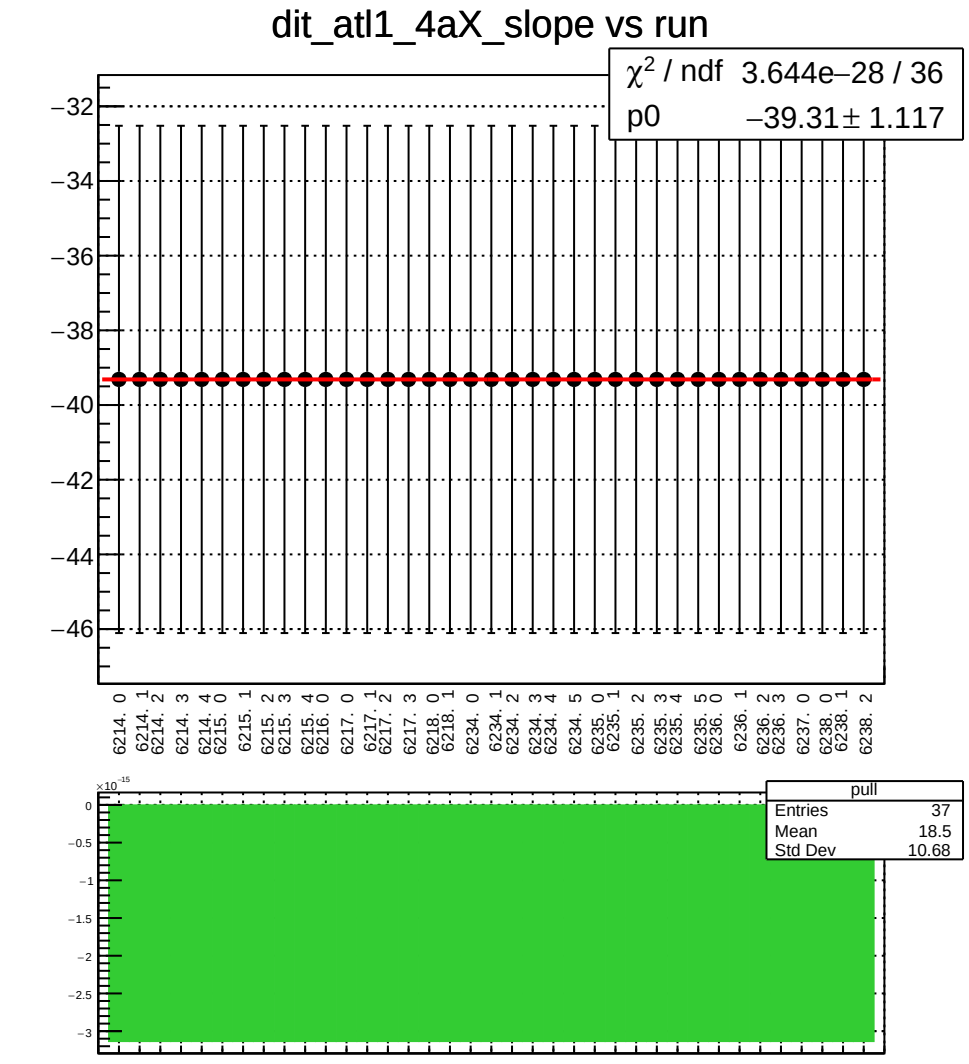

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 36
p0 −42.82 ± 0.1379
−42
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
−43.8
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

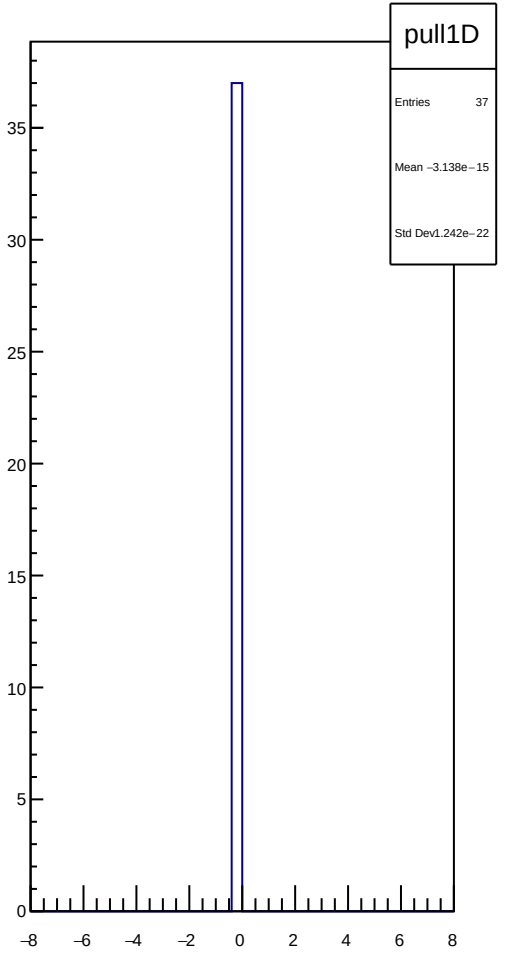

dit_usr_4aY_slope vs run
χ² / ndf 1.258e−28 / 36
p0 3.626 ± 0.198
5
4.5
4
3.5
3
2.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 37
Mean 18.5
Std Dev 10.68

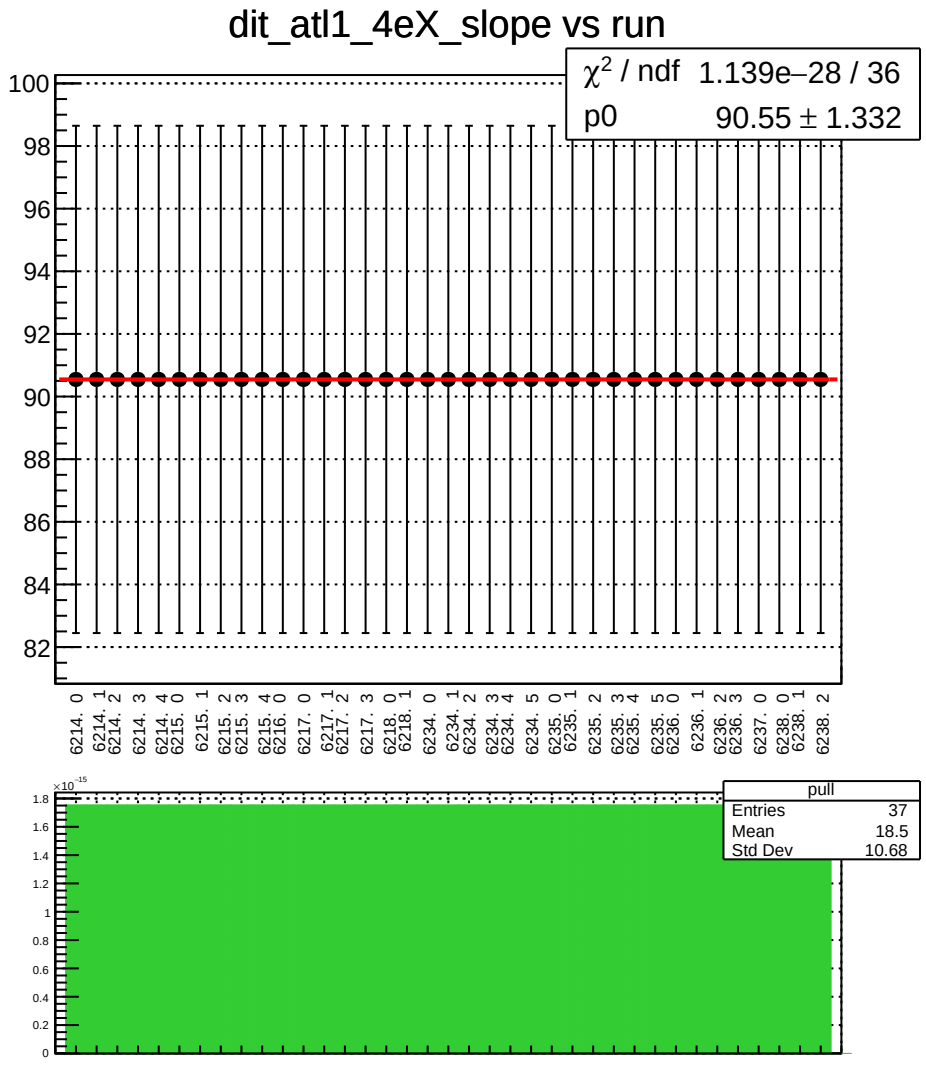

pull1D
Entries 37
Mean −1.844e−15
Std Dev5.294e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

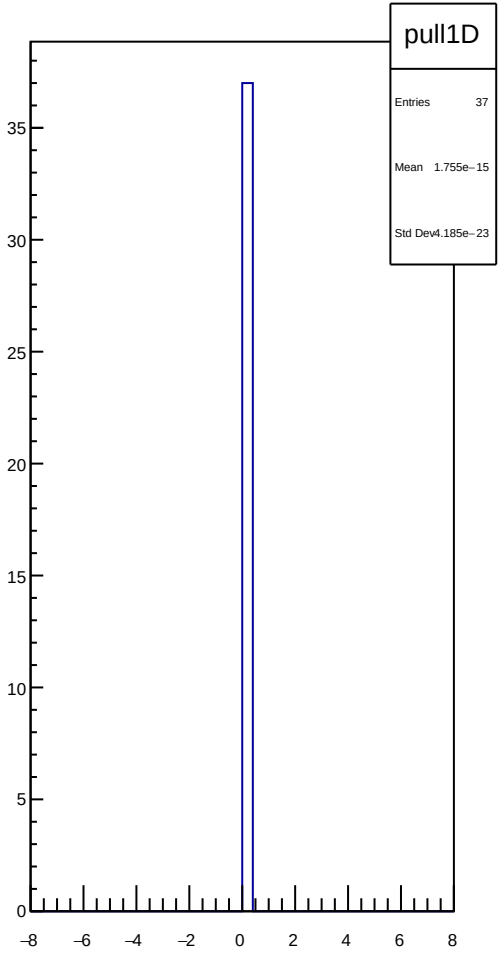

dit_usr_4eY_slope vs run
χ² / ndf 1.17e−27 / 36
p0 13.31 ± 0.2077
14.5
14
13.5
13
12.5
12
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

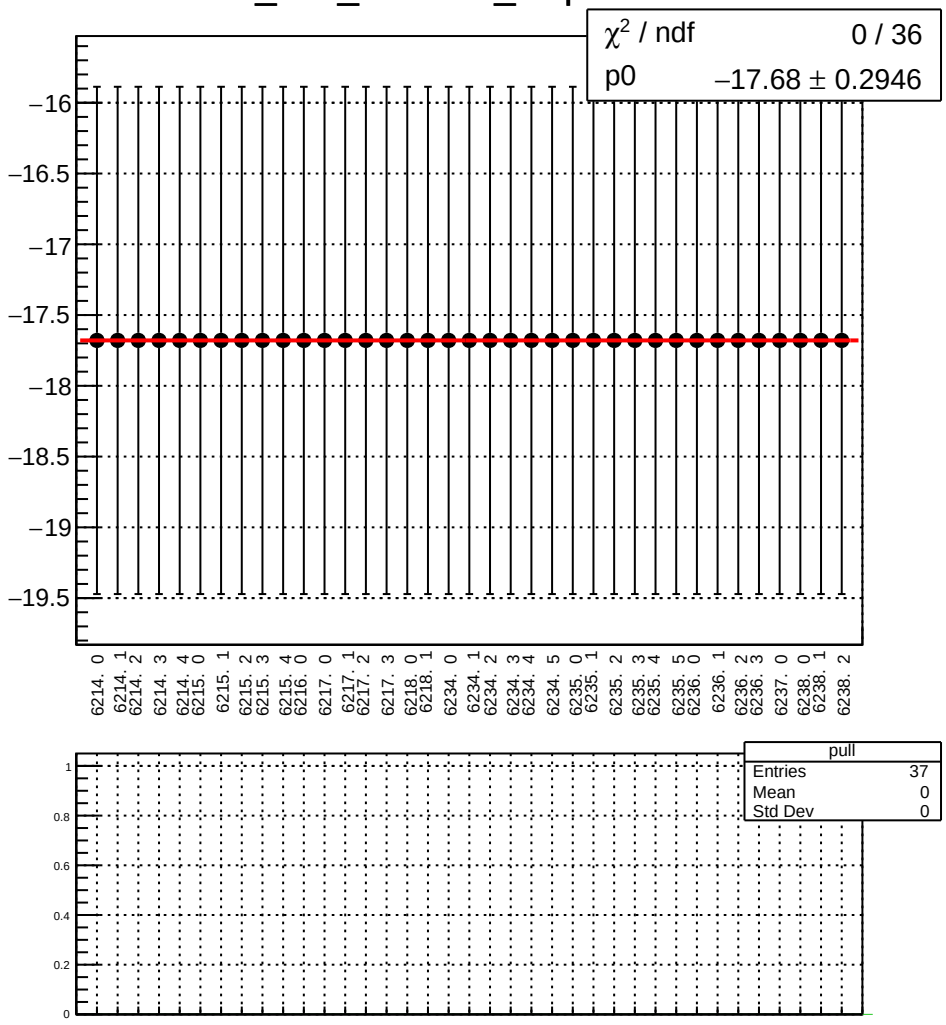

pull1D
Entries 37
Mean 5.624e−15
Std Dev 2.246e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

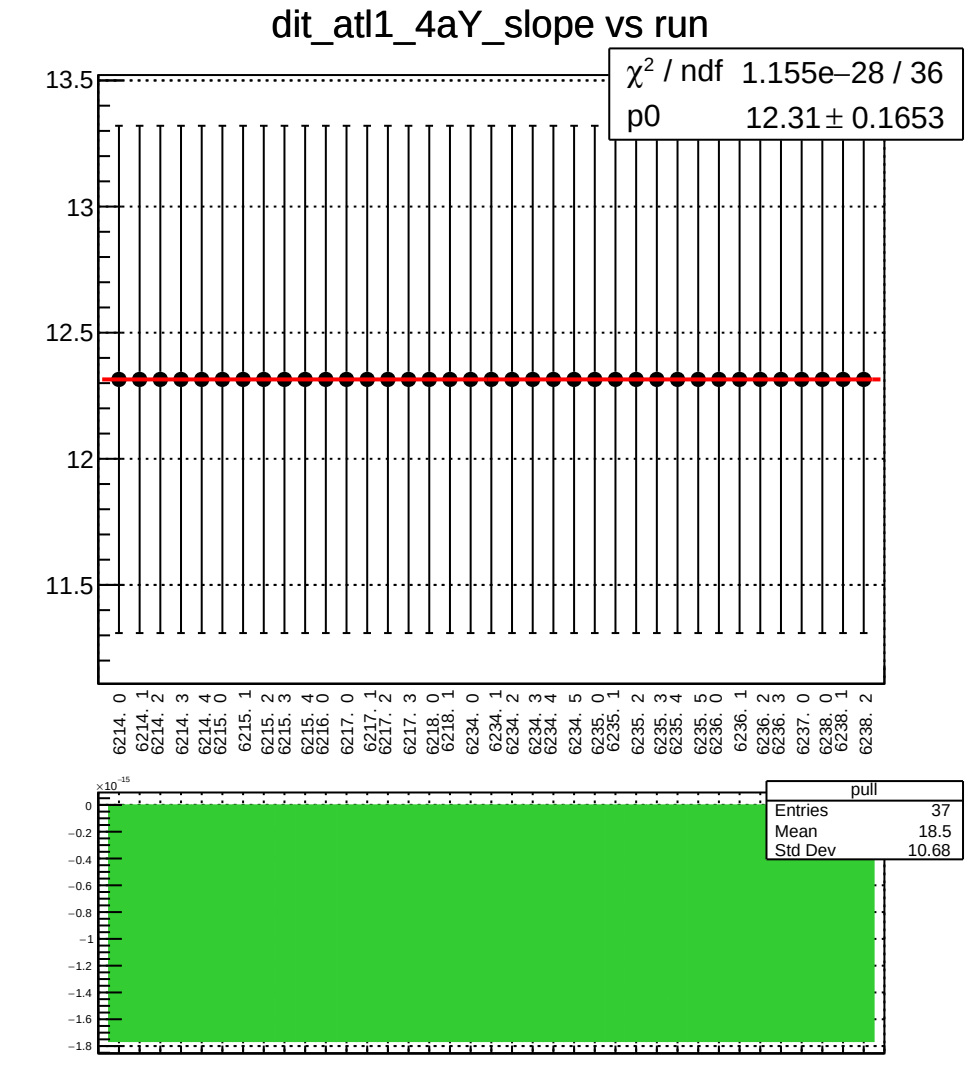

dit_atl1_4aX_slope vs run
χ² / ndf 3.644e−28 / 36
p0 −39.31 ± 1.117
−32
−34
−36
−38
−40
−42
−44
−46
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 37
Mean 18.5
Std Dev 10.68

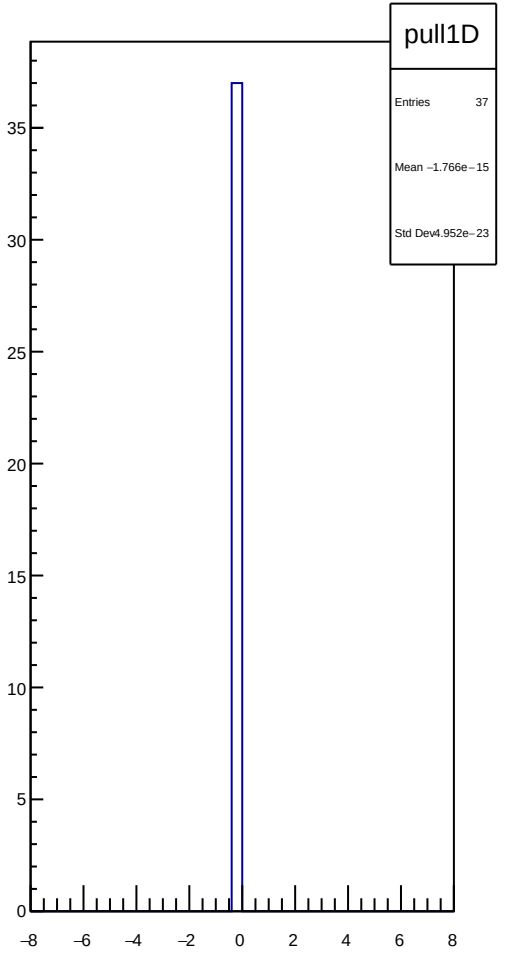

pull1D
Entries 37
Mean −3.138e−15
Std Dev1.242e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

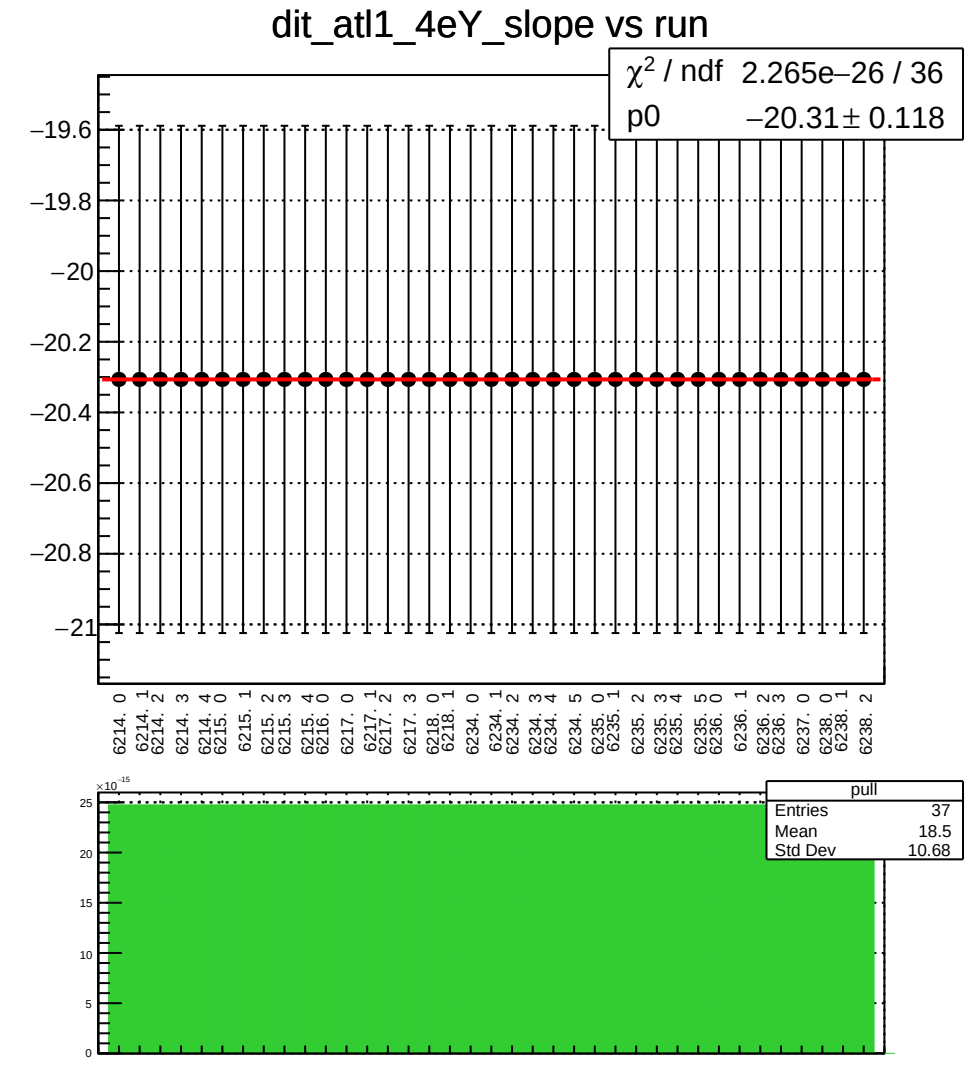

dit_atl1_4eX_slope vs run
χ² / ndf 1.139e−28 / 36
p0 90.55 ± 1.332
100
98
96
94
92
90
88
86
84
82
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

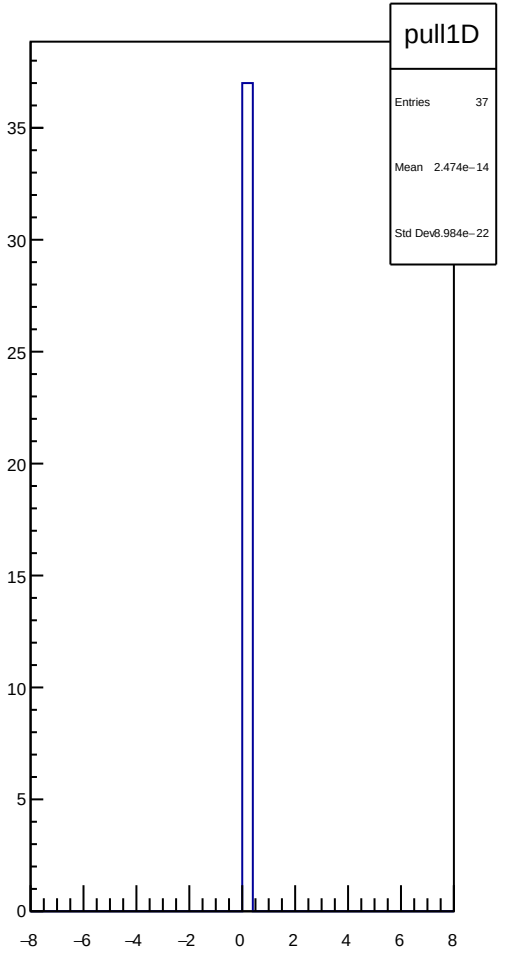

pull1D
Entries 37
Mean 1.755e−15
Std Dev4.185e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

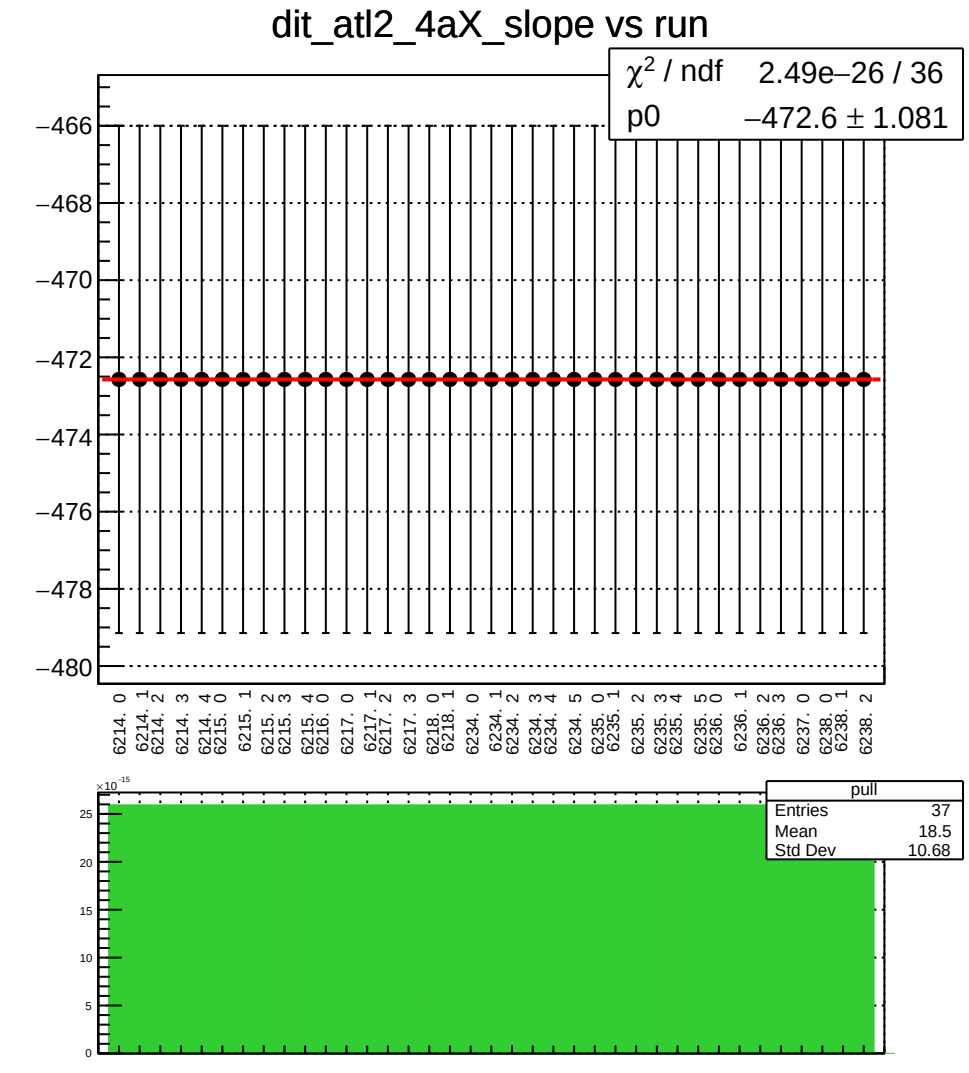

dit_atl1_11X12X_slope vs run
χ² / ndf 0 / 36
p0 −17.68 ± 0.2946
−16
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

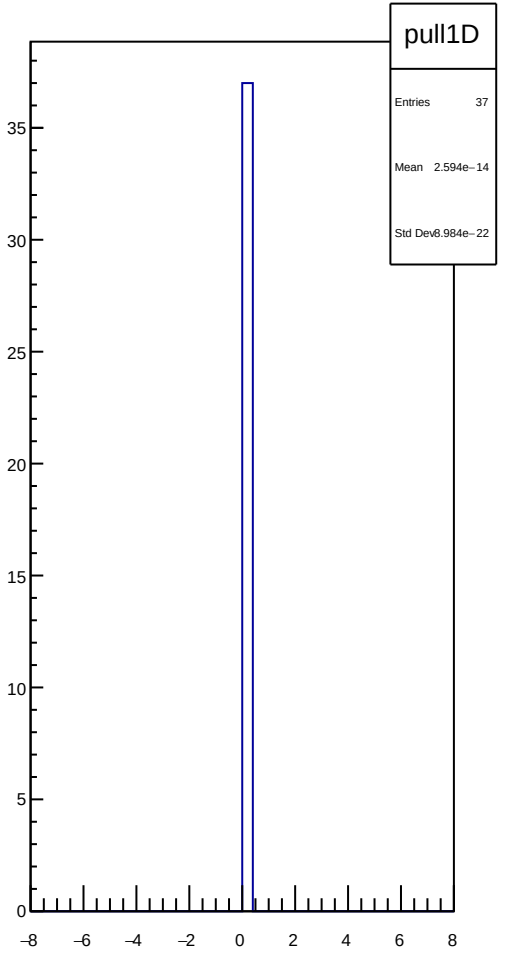

dit_atl1_4aY_slope vs run
χ² / ndf 1.155e−28 / 36
p0 12.31 ± 0.1653
13.5
13
12.5
12
11.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 37
Mean 18.5
Std Dev 10.68

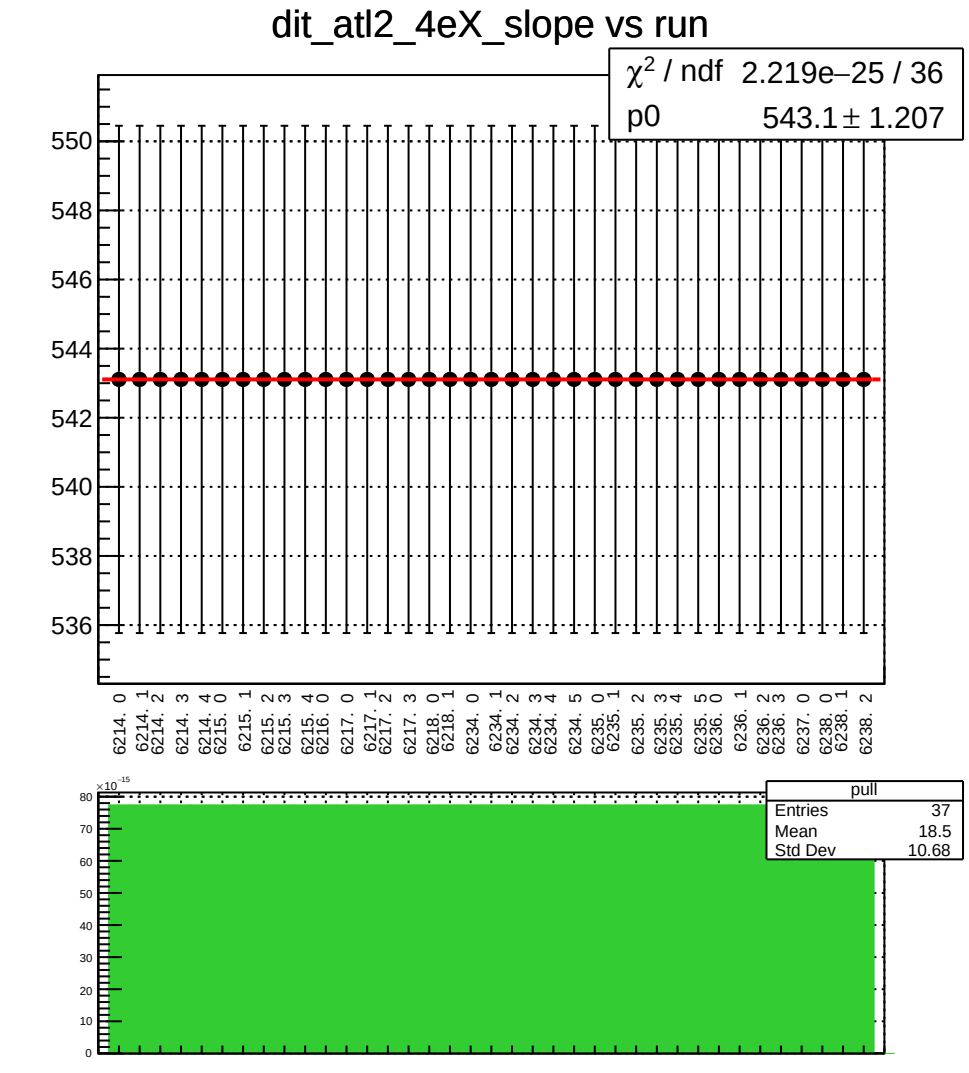

pull1D
Entries 37
Mean −1.766e−15
Std Dev 4.952e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

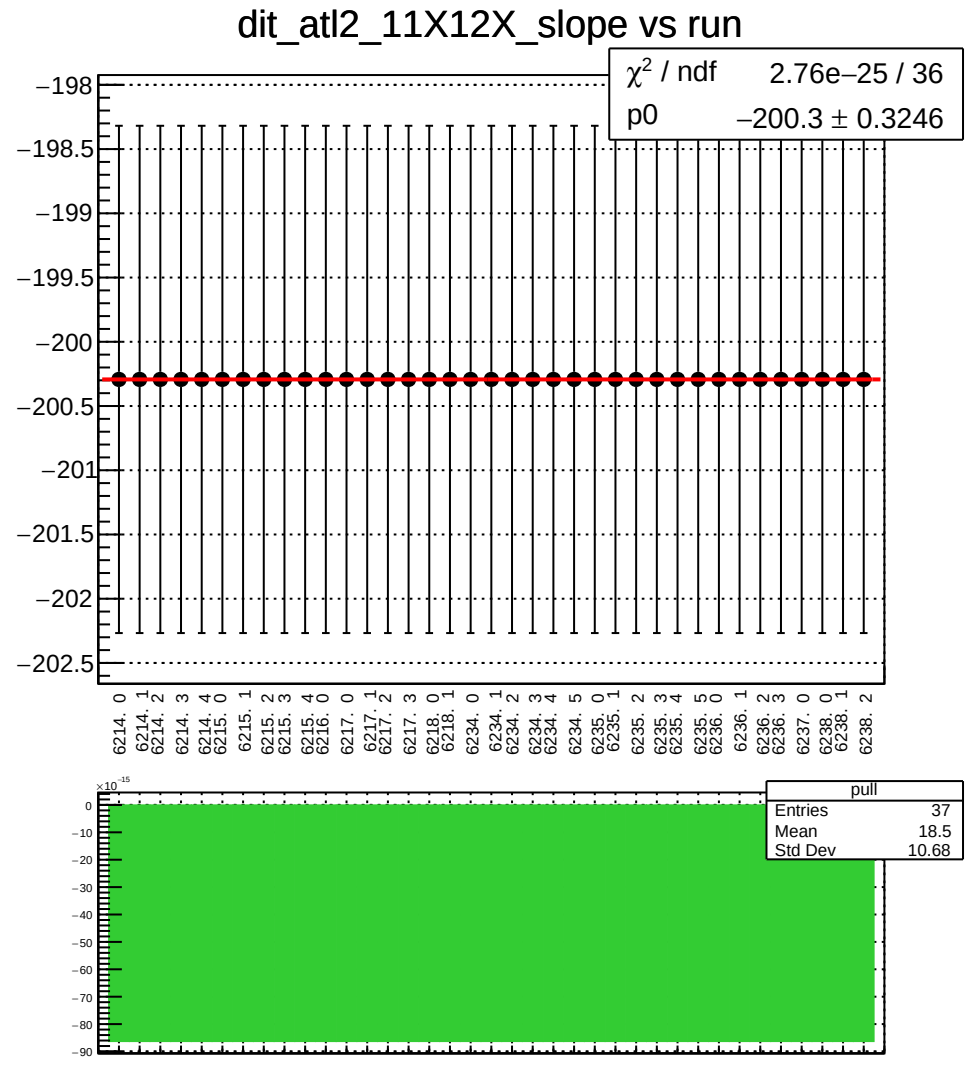

dit_atl1_4eY_slope vs run
χ² / ndf 2.265e−26 / 36
p0 −20.31 ± 0.118
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

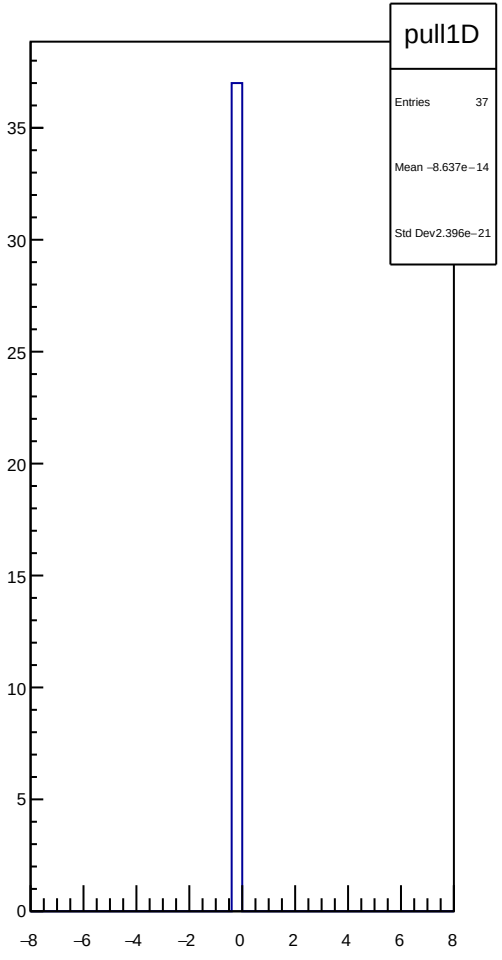

pull1D
Entries 37
Mean 2.474e−14
Std Dev 8.984e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

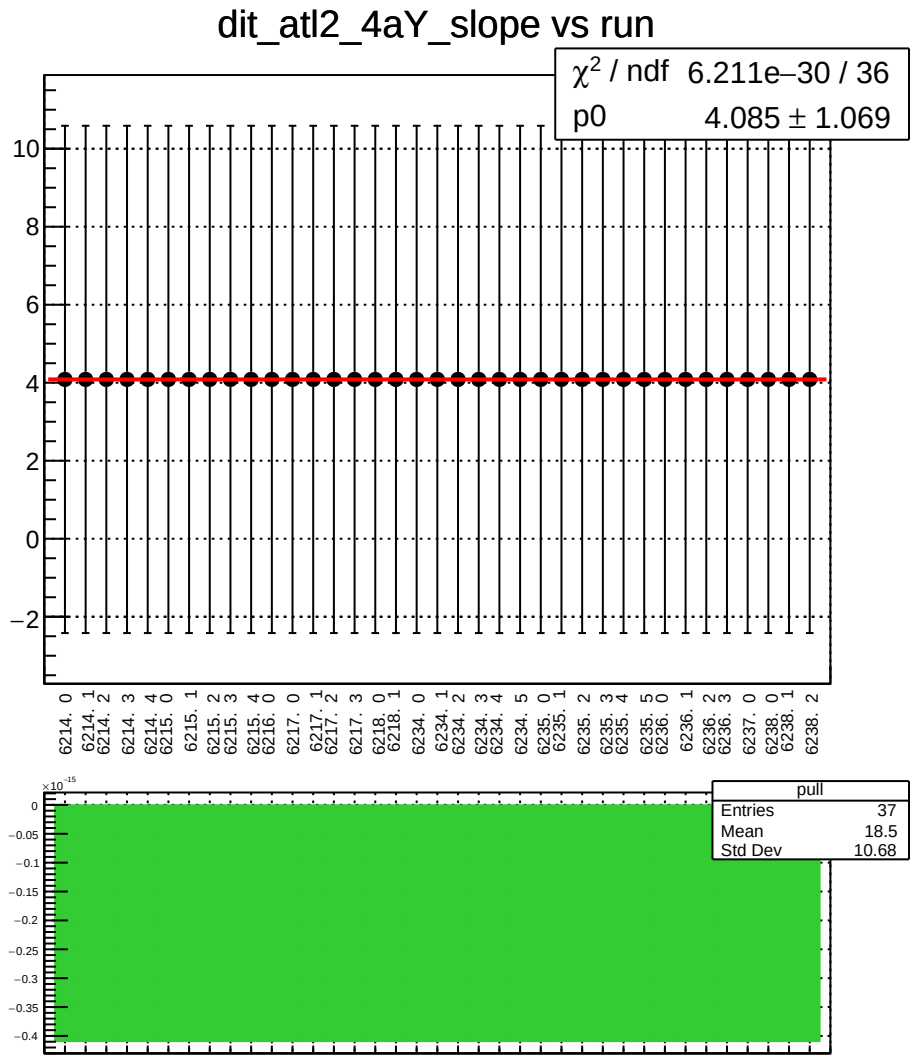

dit_atl2_4aX_slope vs run
χ² / ndf 2.49e−26 / 36
p0 −472.6 ± 1.081
−466
−468
−470
−472
−474
−476
−478
−480
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

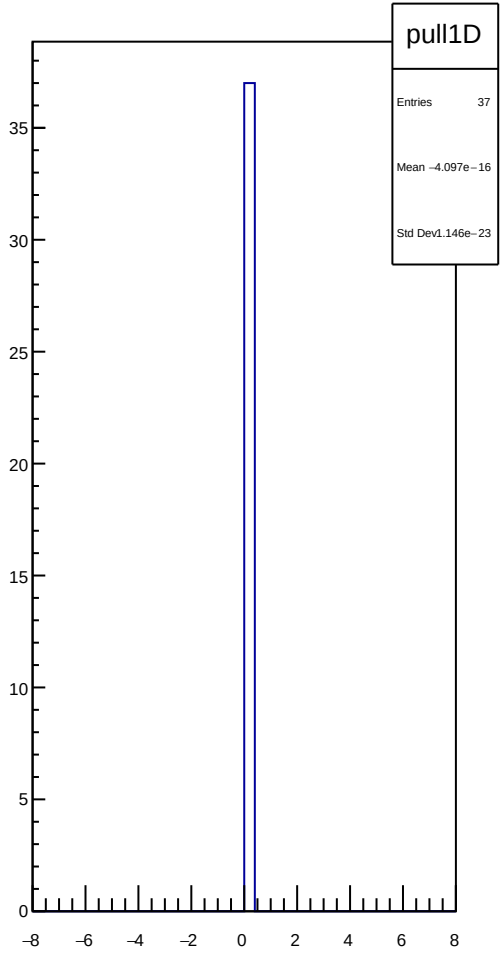

pull1D
Entries 37
Mean 2.594e−14
Std Dev 8.984e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

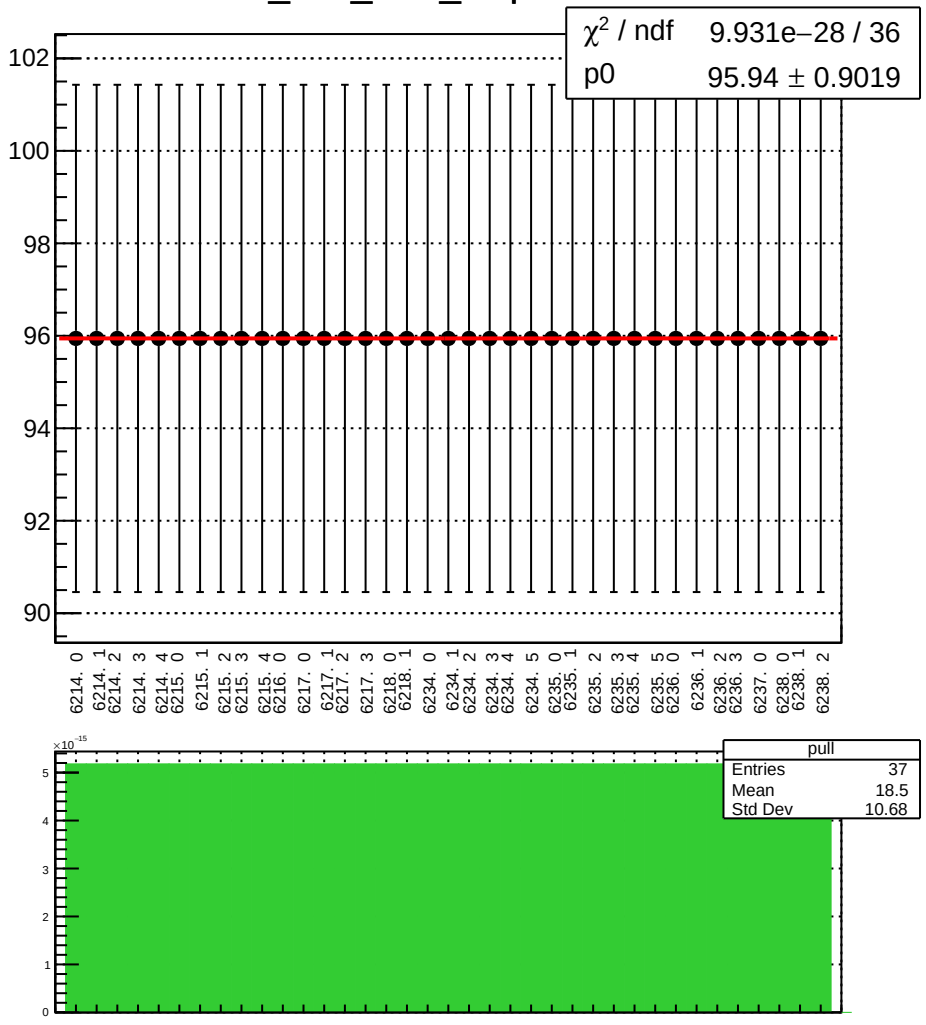

dit_atl2_4eX_slope vs run
χ² / ndf 2.219e−25 / 36
p0 543.1 ± 1.207
550
548
546
544
542
540
538
536
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 7.744e−14
Std Dev3.492e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

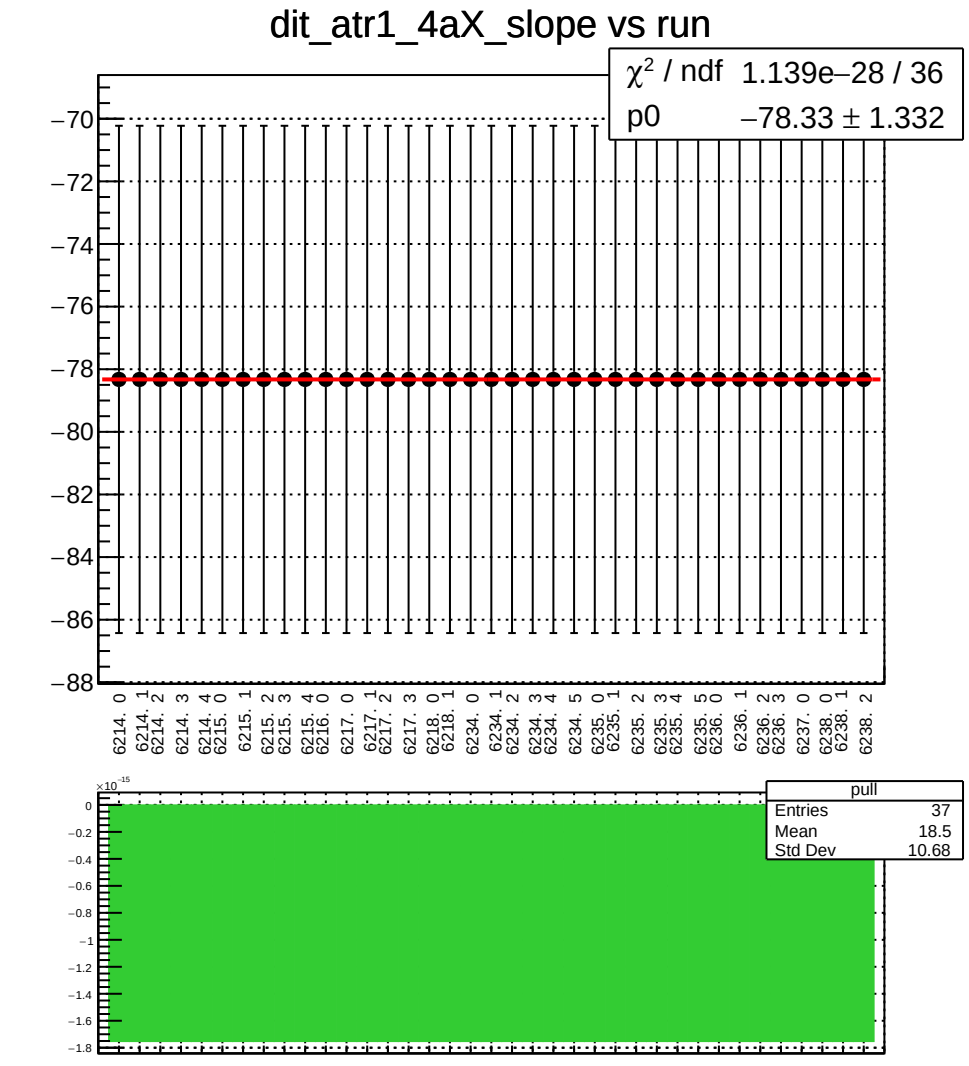

dit_atl2_11X12X_slope vs run
χ² / ndf 2.76e−25 / 36
p0 −200.3 ± 0.3246
−198
−198.5
−199
−199.5
−200
−200.5
−201
−201.5
−202
−202.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull
Entries 37
Mean 18.5
Std Dev 10.68

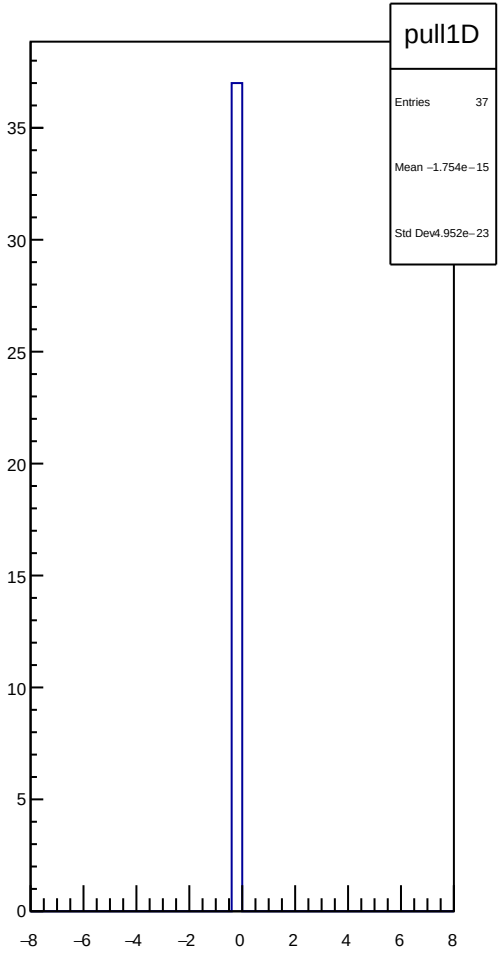

pull1D
Entries 37
Mean −8.637e−14
Std Dev2.396e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

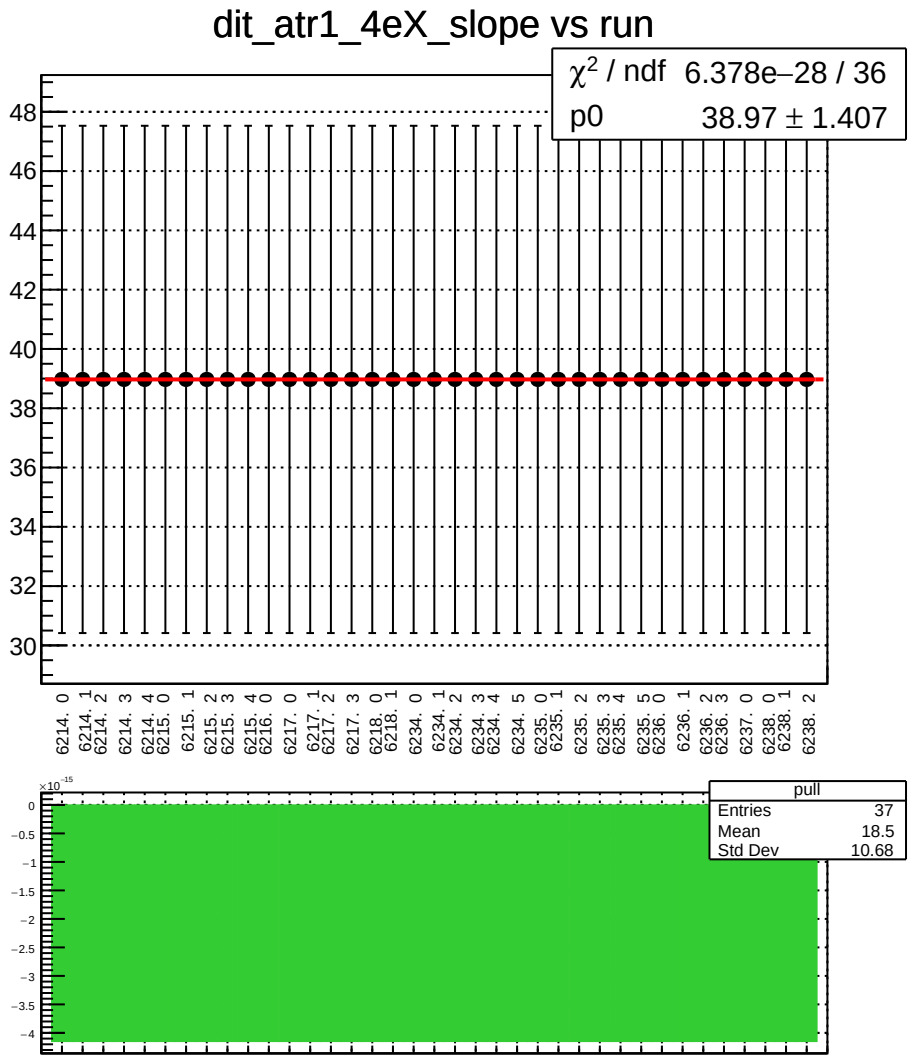

dit_atl2_4aY_slope vs run
χ² / ndf 6.211e−30 / 36
p0 4.085 ± 1.069
10
8
6
4
2
0
−2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 37
Mean 18.5
Std Dev 10.68

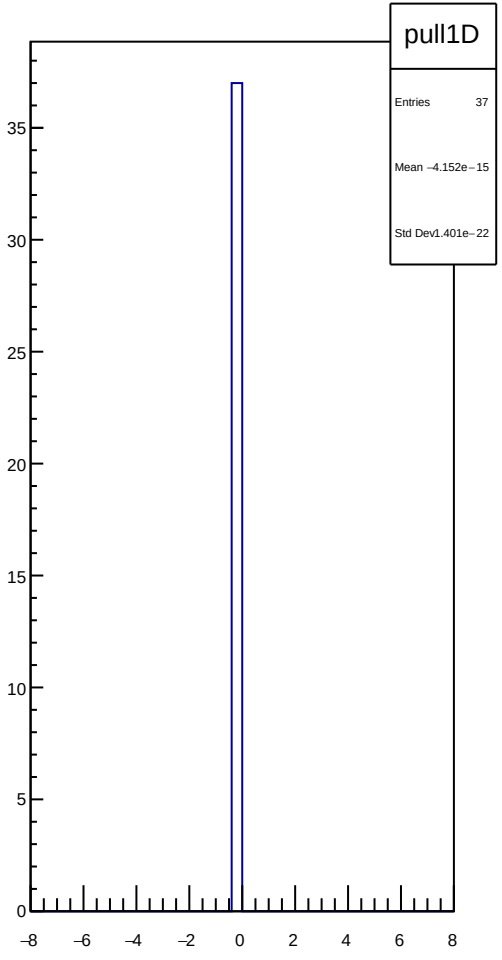

pull1D
Entries 37
Mean −4.097e−16
Std Dev1.146e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

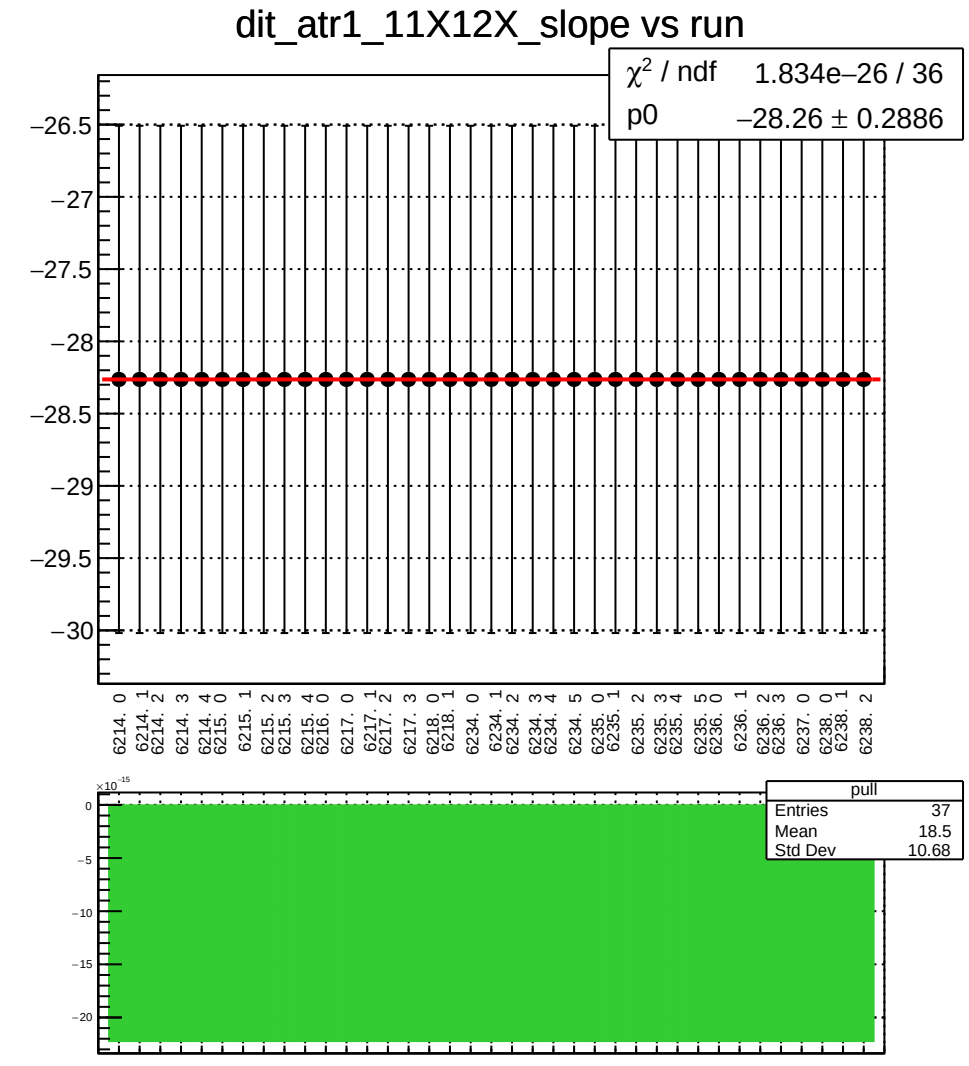

dit_atl2_4eY_slope vs run
χ² / ndf 9.931e−28 / 36
p0 95.94 ± 0.9019
102
100
98
96
94
92
90
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 5.181e−15
Std Dev1.497e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

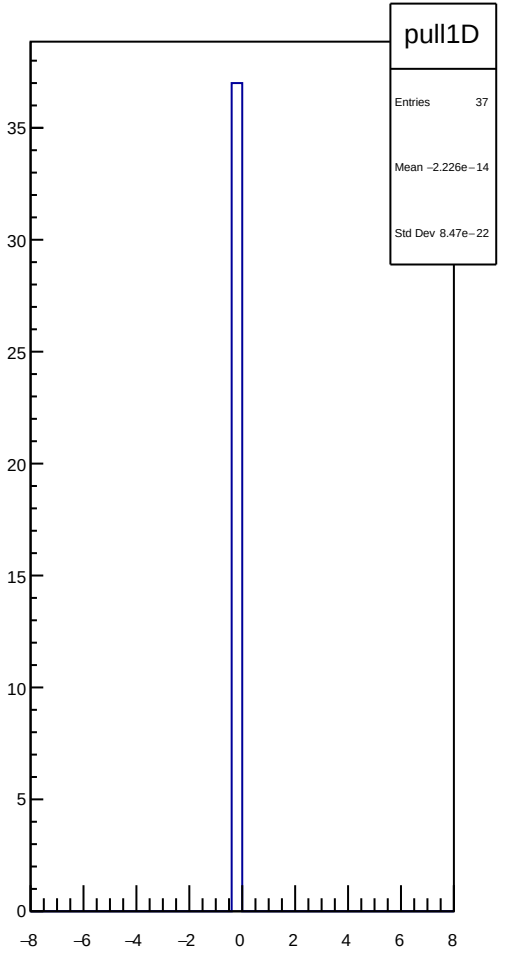

dit_atr1_4aX_slope vs run
χ² / ndf 1.139e−28 / 36
p0 −78.33 ± 1.332
−70
−72
−74
−76
−78
−80
−82
−84
−86
−88
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 37
Mean 18.5
Std Dev 10.68

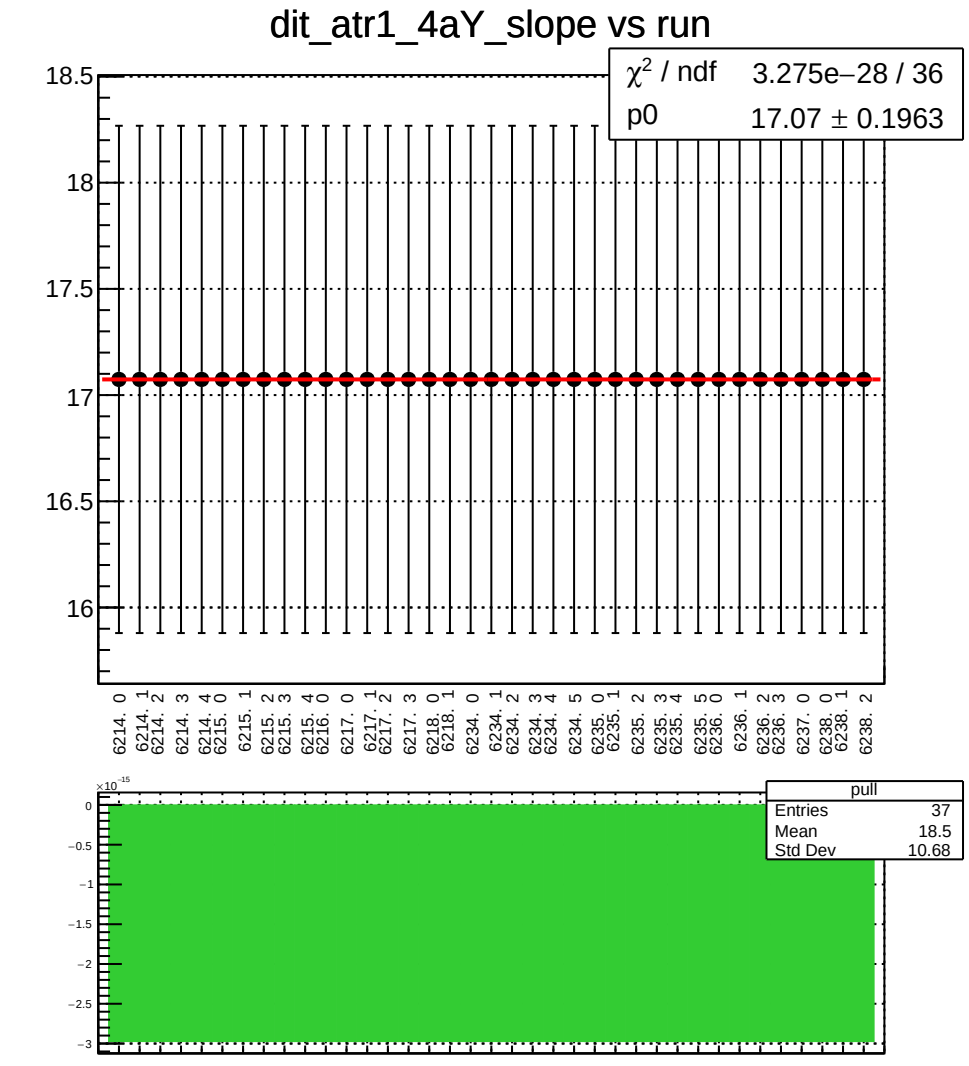

pull1D
Entries 37
Mean −1.754e−15
Std Dev4.952e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

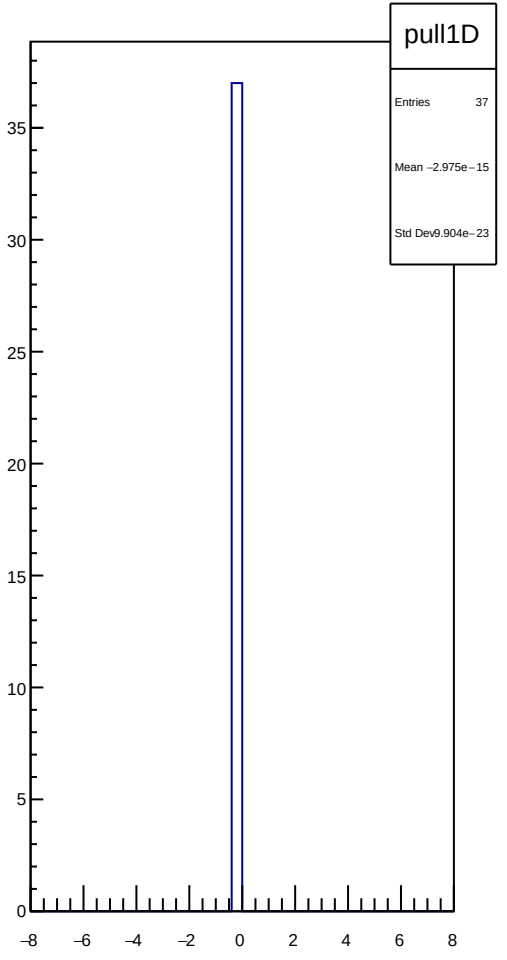

dit_atr1_4eX_slope vs run
χ² / ndf 6.378e−28 / 36
p0 38.97 ± 1.407
48
46
44
42
40
38
36
34
32
30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 37
Mean 18.5
Std Dev 10.68

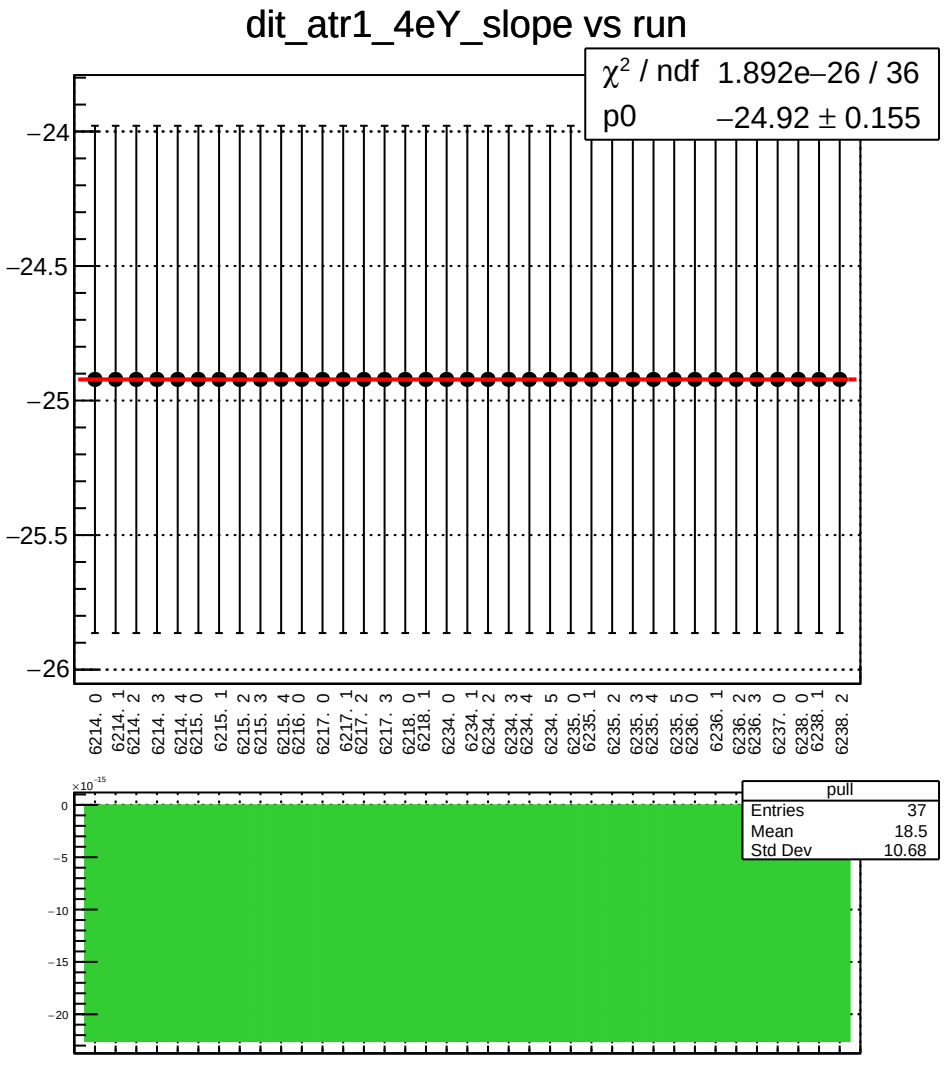

pull1D
Entries 37
Mean −4.152e−15
Std Dev1.401e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

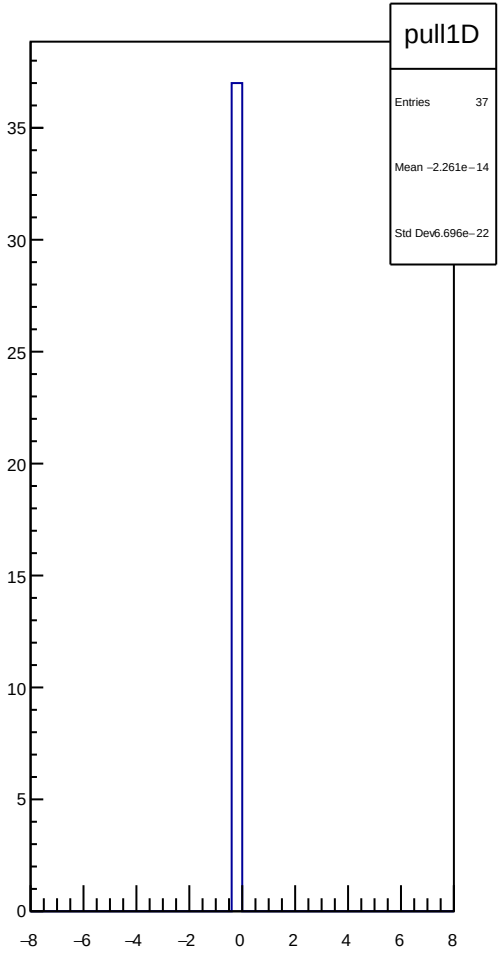

dit_atr1_11X12X_slope vs run
χ² / ndf 1.834e−26 / 36
p0 −28.26 ± 0.2886
−26.5
−27
−27.5
−28
−28.5
−29
−29.5
−30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 37
Mean 18.5
Std Dev 10.68

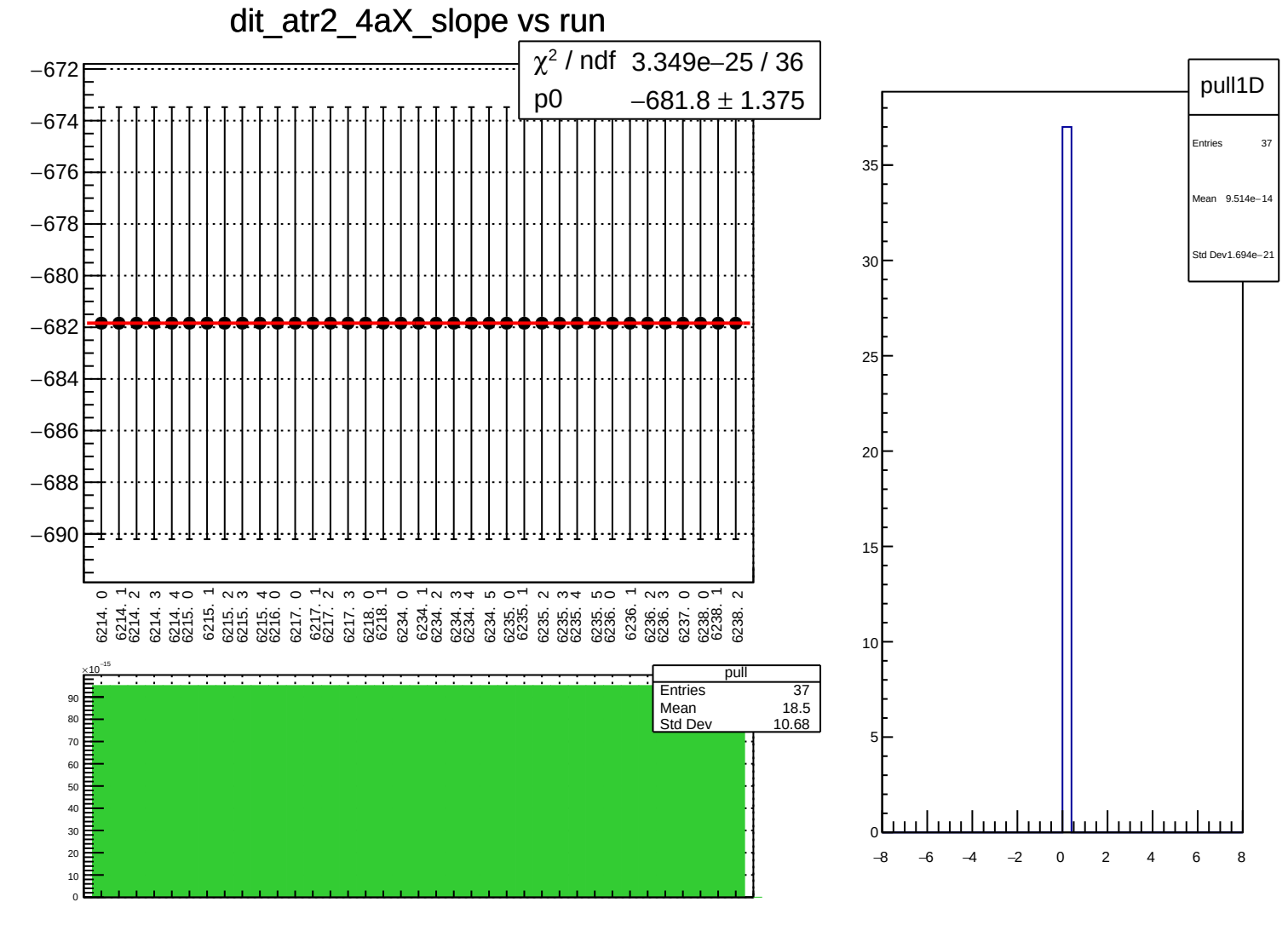

pull1D
Entries 37
Mean −2.226e−14
Std Dev 8.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

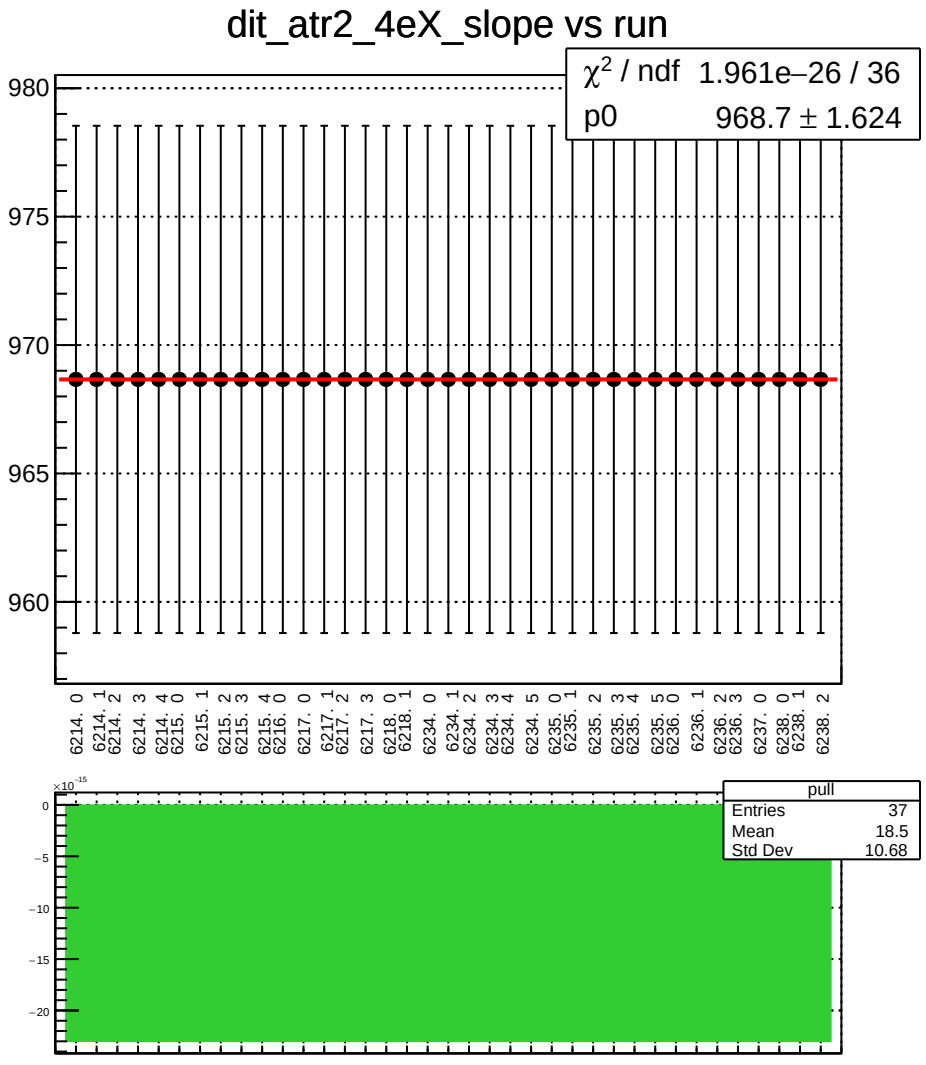

dit_atr1_4aY_slope vs run
χ² / ndf 3.275e−28 / 36
p0 17.07 ± 0.1963
18.5
18
17.5
17
16.5
16
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 37
Mean 18.5
Std Dev 10.68

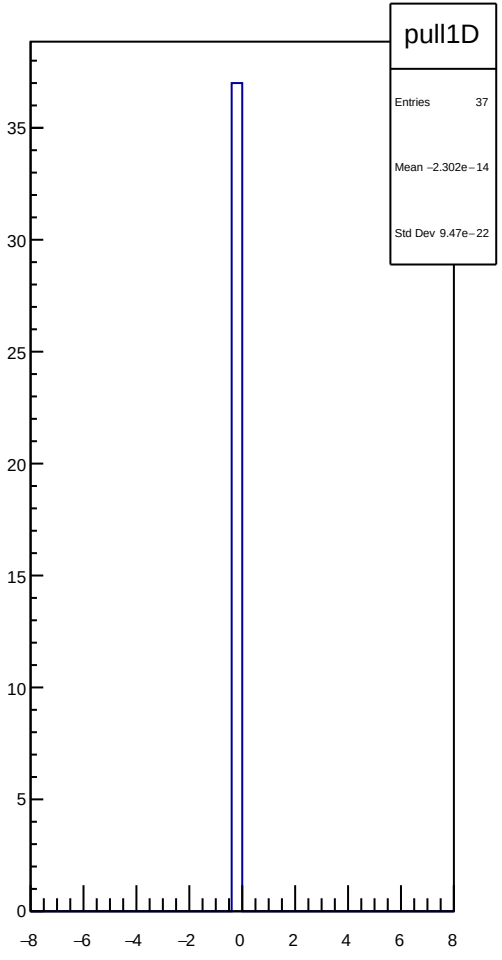

pull1D
Entries 37
Mean −2.975e−15
Std Dev 9.904e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

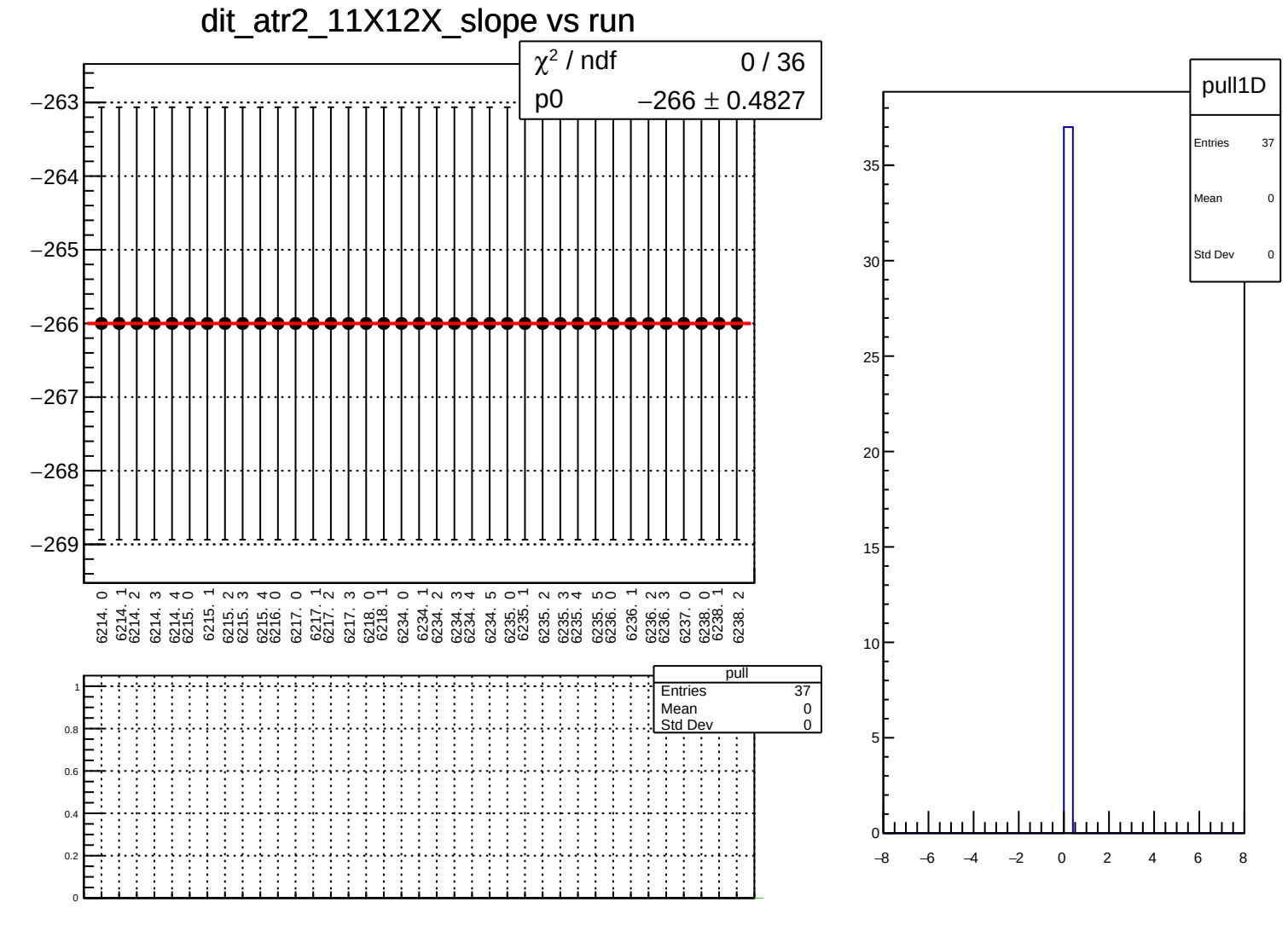

dit_atr1_4eY_slope vs run
χ² / ndf 1.892e−26 / 36
p0 −24.92 ± 0.155
−24
−24.5
−25
−25.5
−26
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻�15
0
−5
−10
−15
−20
pull
Entries 37
Mean 18.5
Std Dev 10.68

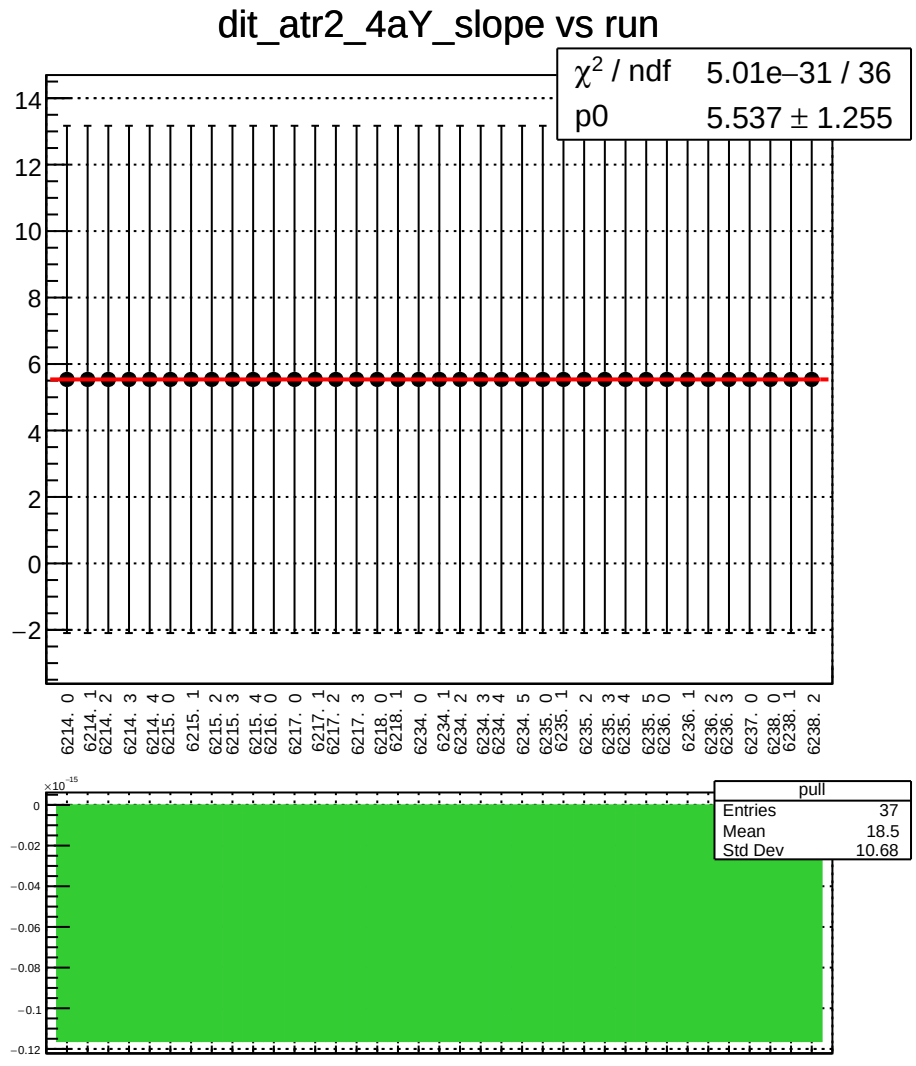

pull1D
Entries 37
Mean −2.261e−14
Std Dev 6.696e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

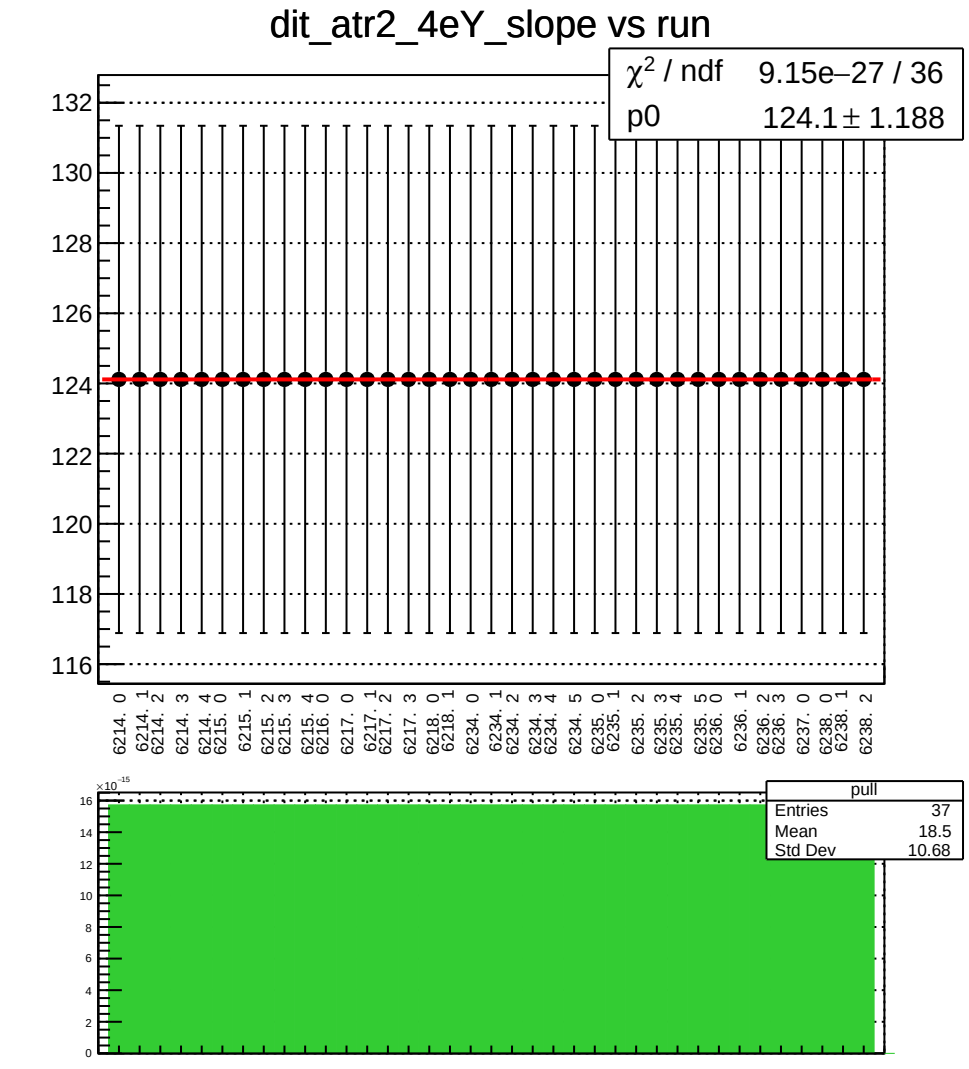

dit_atr2_4aX_slope vs run
χ² / ndf 3.349e−25 / 36
p0 −681.8 ± 1.375
−672
−674
−676
−678
−680
−682
−684
−686
−688
−690
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 9.514e−14
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

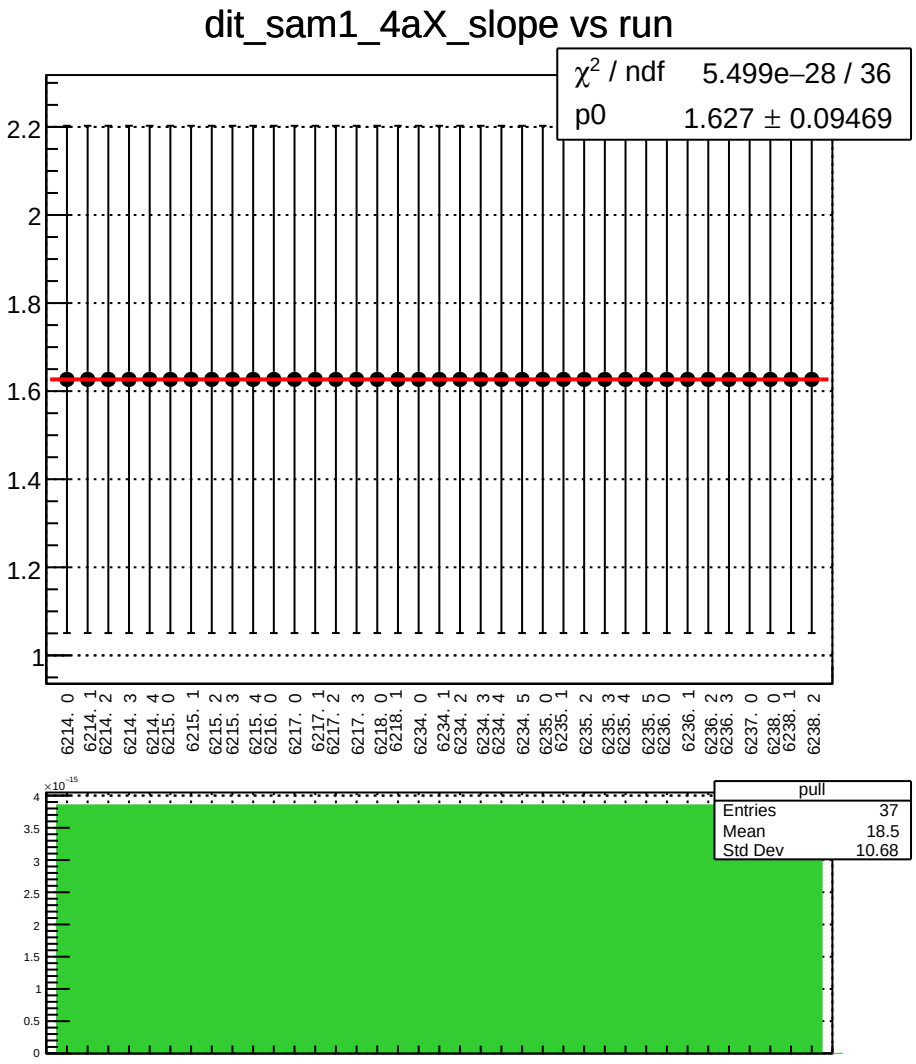

dit_atr2_4eX_slope vs run
χ² / ndf 1.961e−26 / 36
p0 968.7 ± 1.624
980
975
970
965
960
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 37
Mean 18.5
Std Dev 10.68

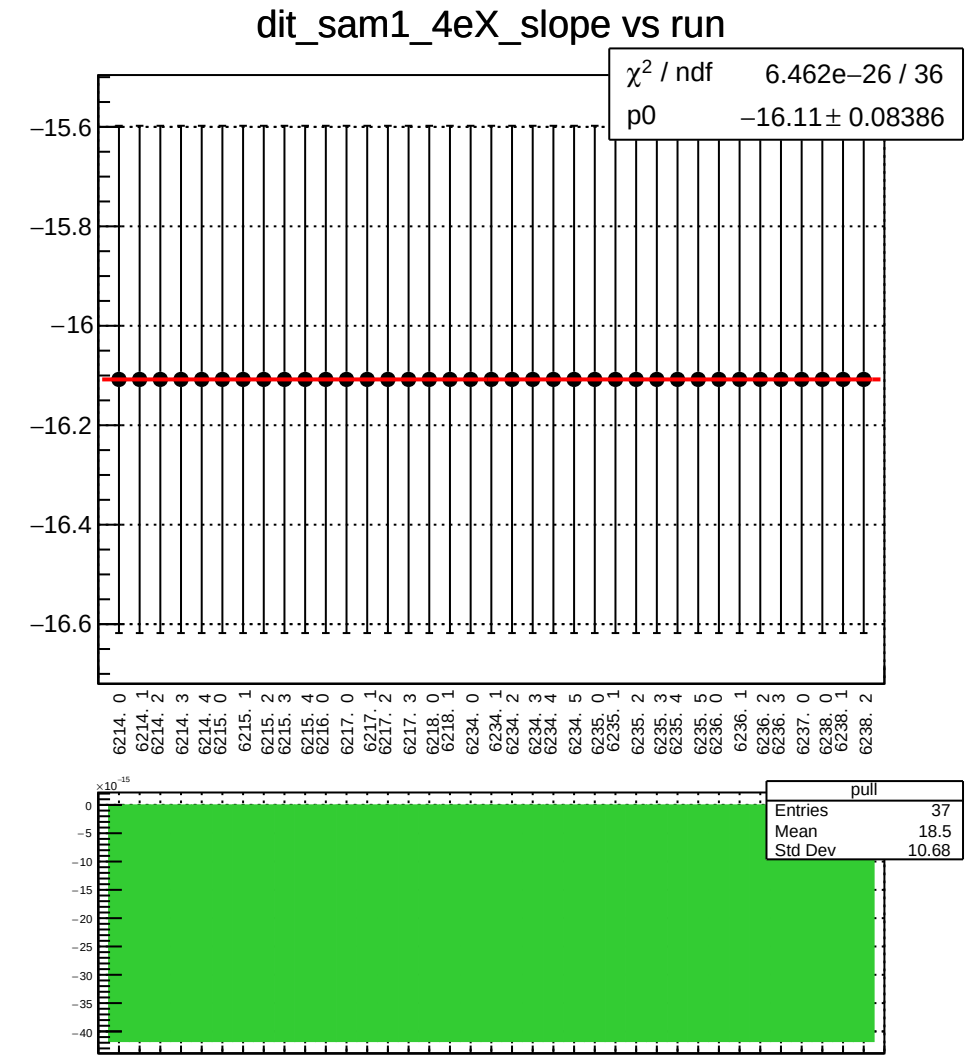

pull1D
Entries 37
Mean −2.302e−14
Std Dev 9.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

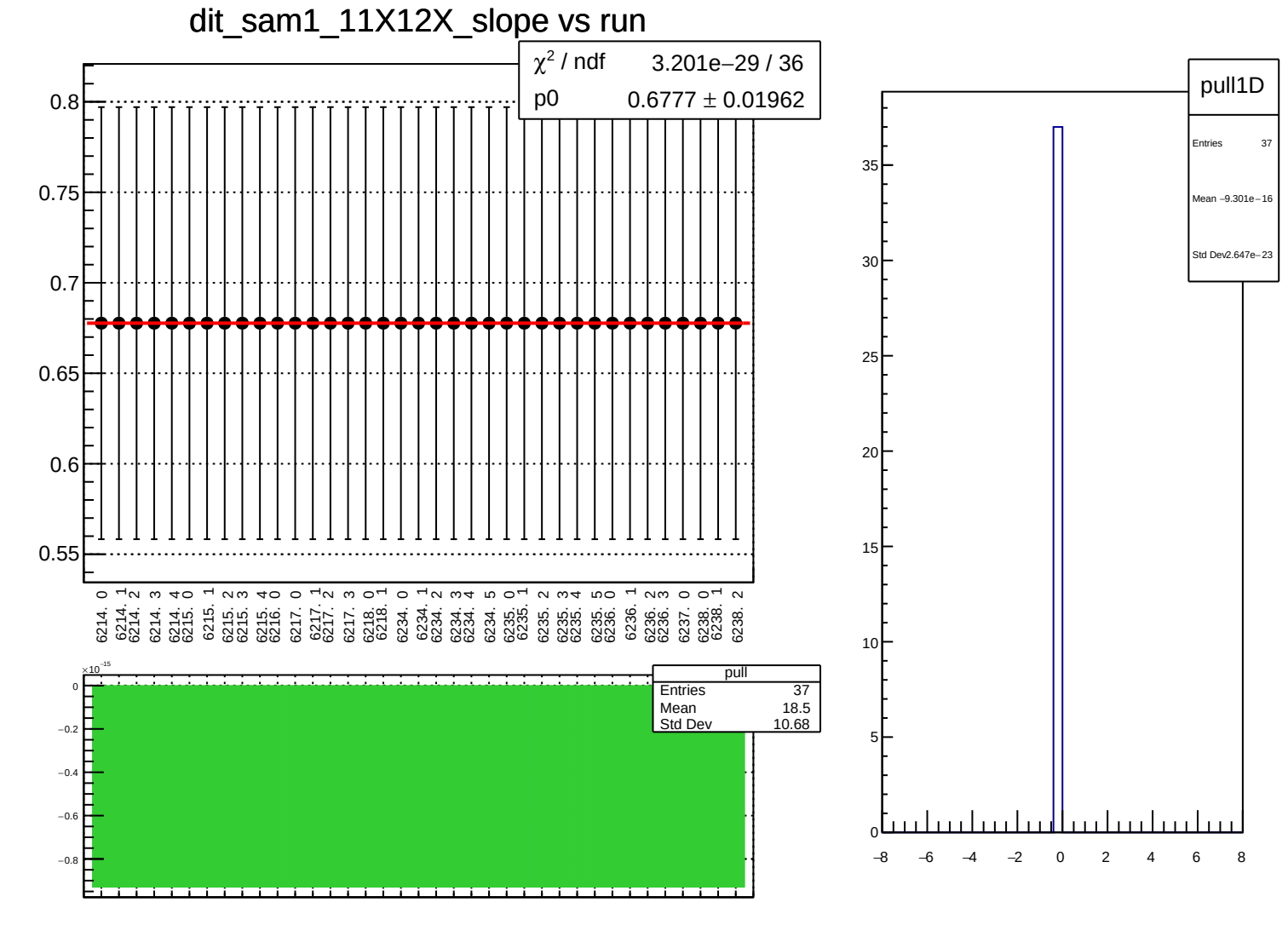

dit_atr2_11X12X_slope vs run
χ² / ndf 0 / 36
p0 −266 ± 0.4827
−263
−264
−265
−266
−267
−268
−269
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

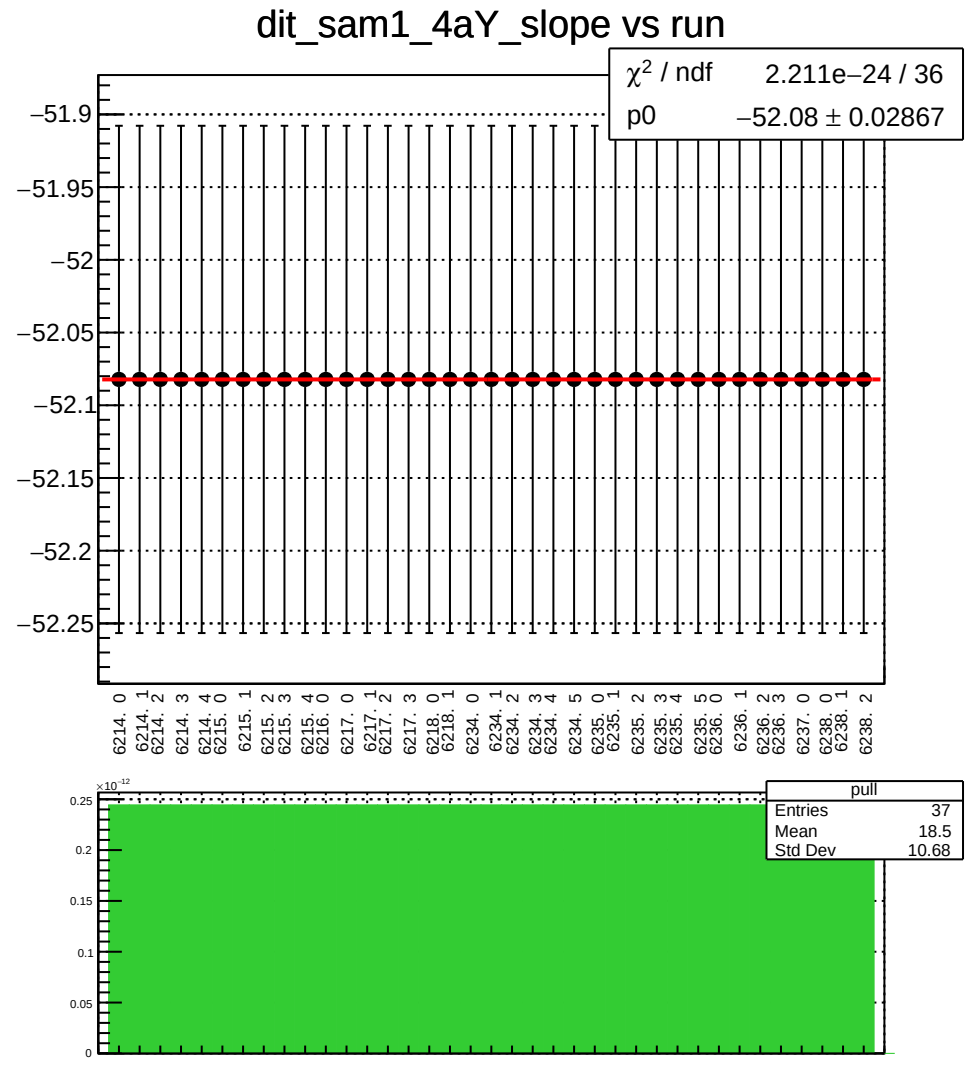

dit_atr2_4aY_slope vs run
χ² / ndf 5.01e−31 / 36
p0 5.537 ± 1.255
14
12
10
8
6
4
2
0
−2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −1.164e−16
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

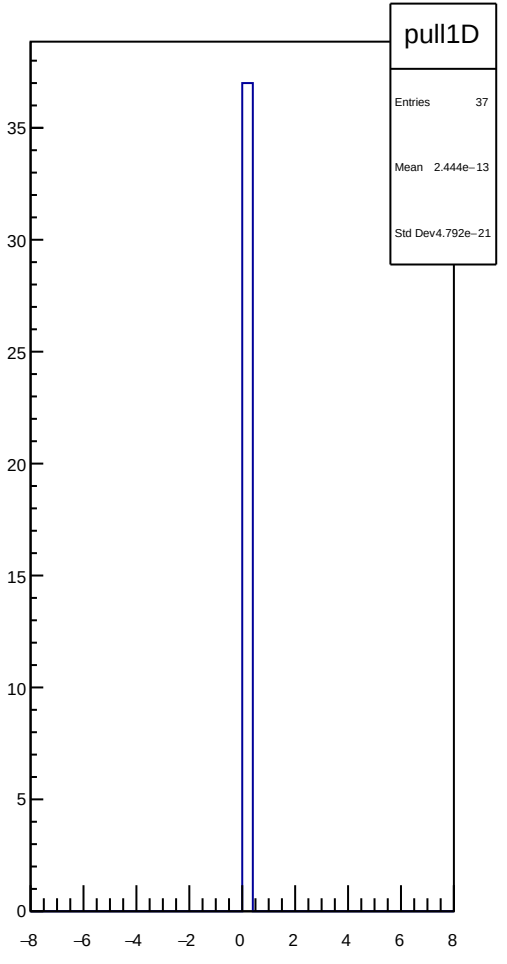

dit_atr2_4eY_slope vs run
χ² / ndf 9.15e−27 / 36
p0 124.1 ± 1.188
132
130
128
126
124
122
120
118
116
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 1.573e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

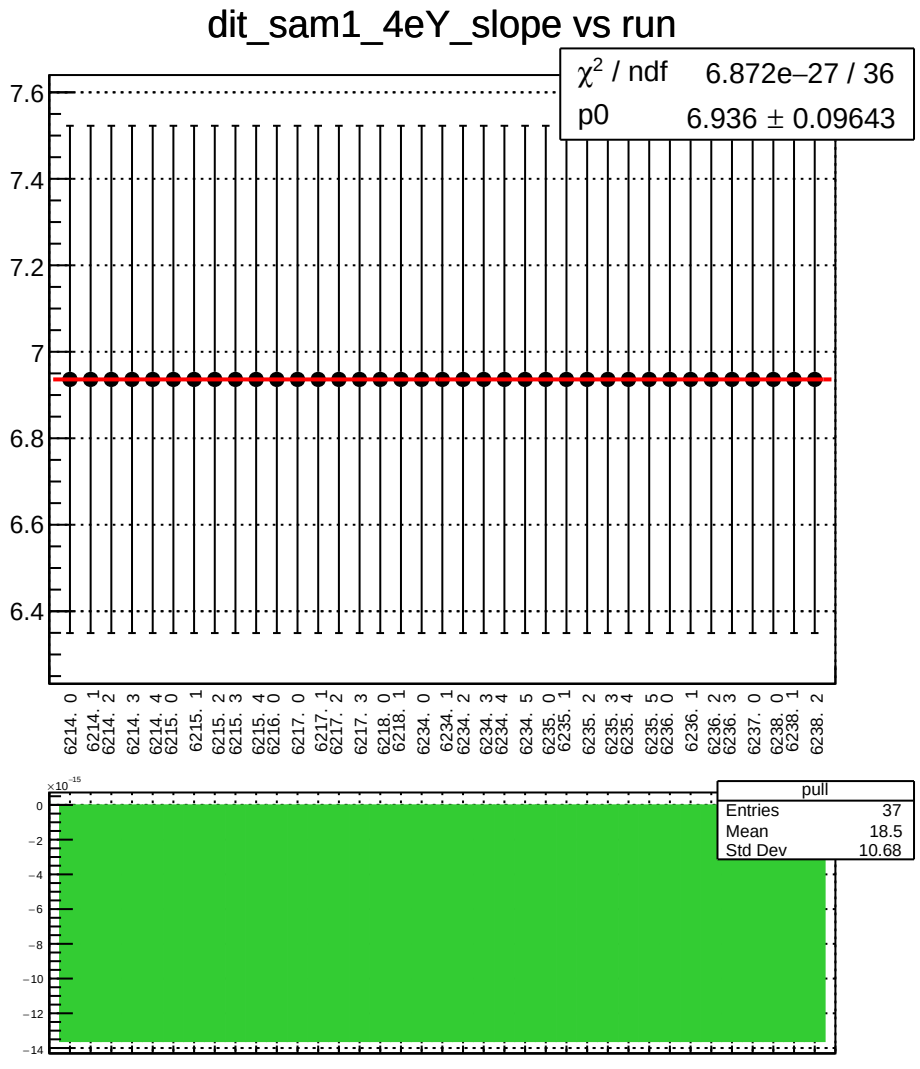

dit_sam1_4aX_slope vs run
χ² / ndf 5.499e−28 / 36
p0 1.627 ± 0.09469
2.2
2
1.8
1.6
1.4
1.2
1
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 3.855e−15
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

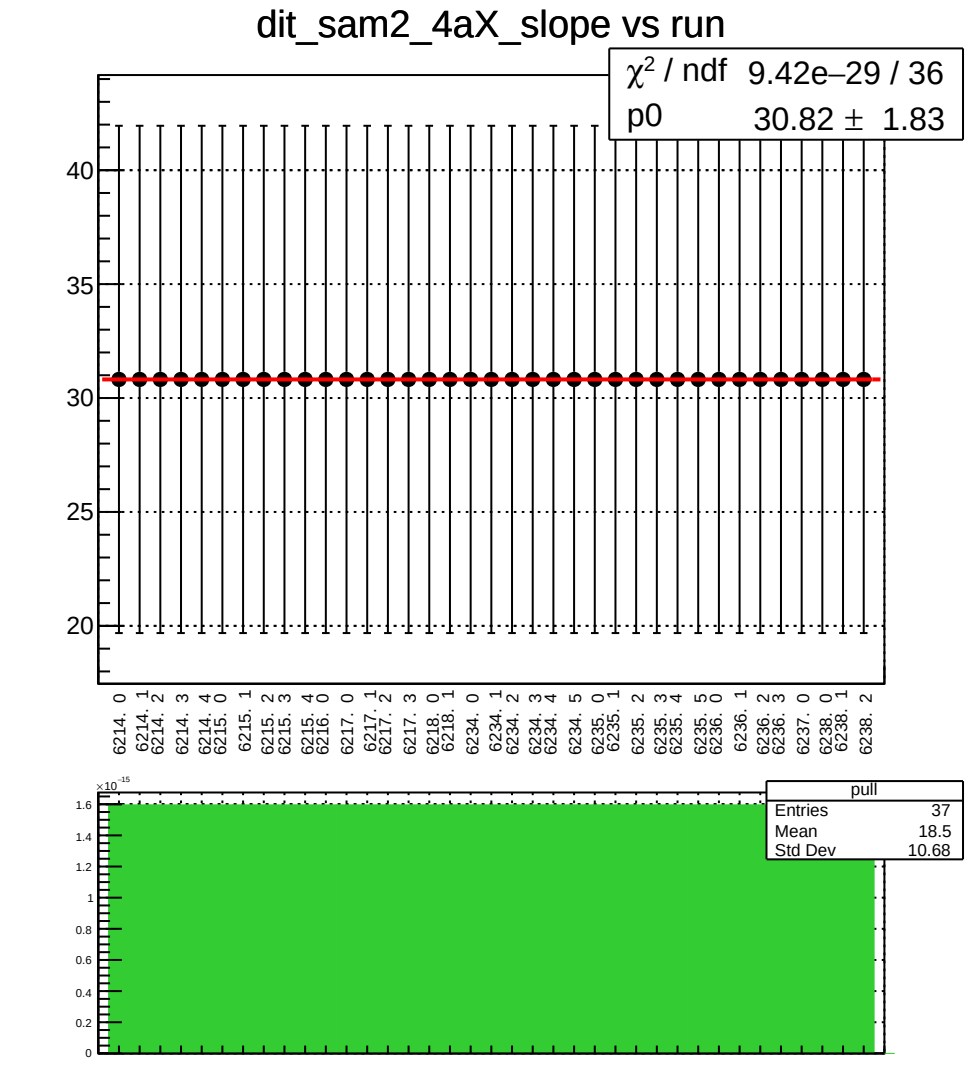

dit_sam1_4eX_slope vs run
χ² / ndf 6.462e−26 / 36
p0 −16.11 ± 0.08386
−15.6
−15.8
−16
−16.2
−16.4
−16.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −4.179e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

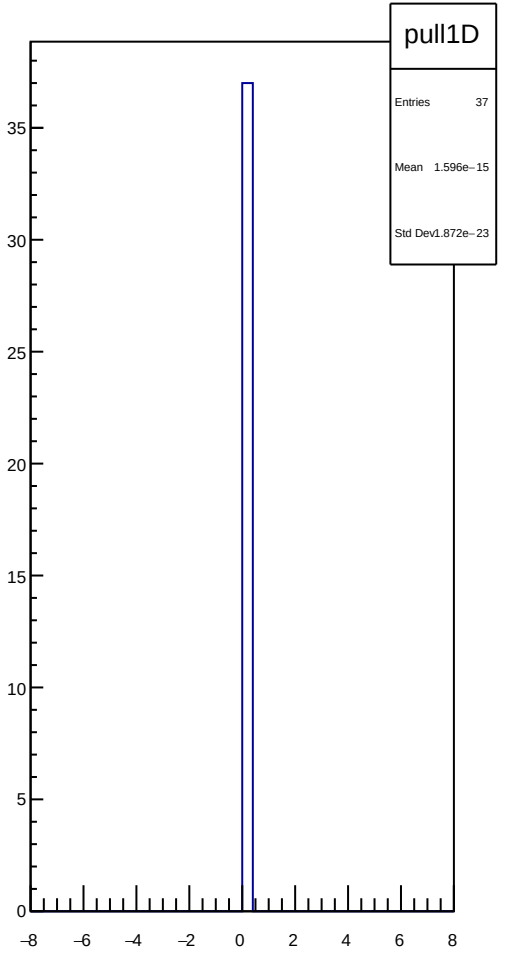

dit_sam1_11X12X_slope vs run
χ² / ndf 3.201e−29 / 36
p0 0.6777 ± 0.01962
0.8
0.75
0.7
0.65
0.6
0.55
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −9.301e−16
Std Dev 2.647e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

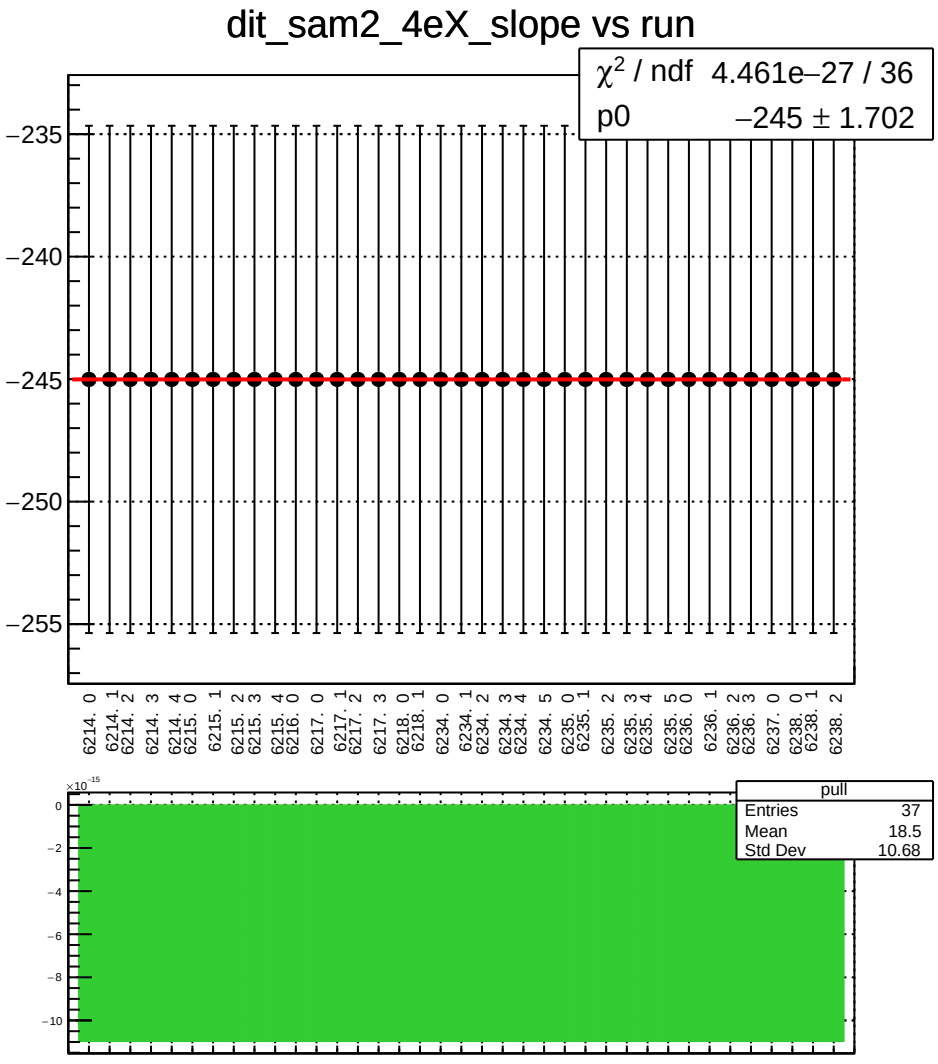

dit_sam1_4aY_slope vs run
χ² / ndf 2.211e−24 / 36
p0 −52.08 ± 0.02867
−51.9
−51.95
−52
−52.05
−52.1
−52.15
−52.2
−52.25
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

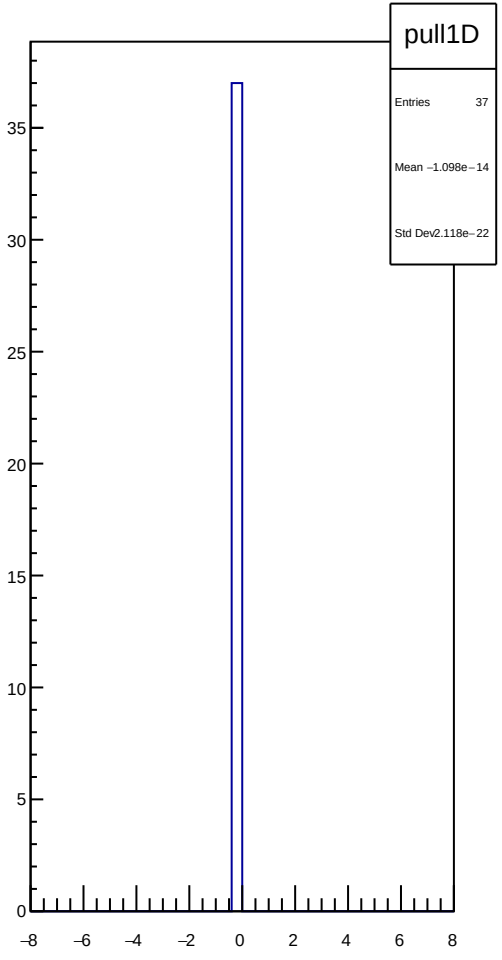

pull1D
Entries 37
Mean 2.444e−13
Std Dev4.792e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

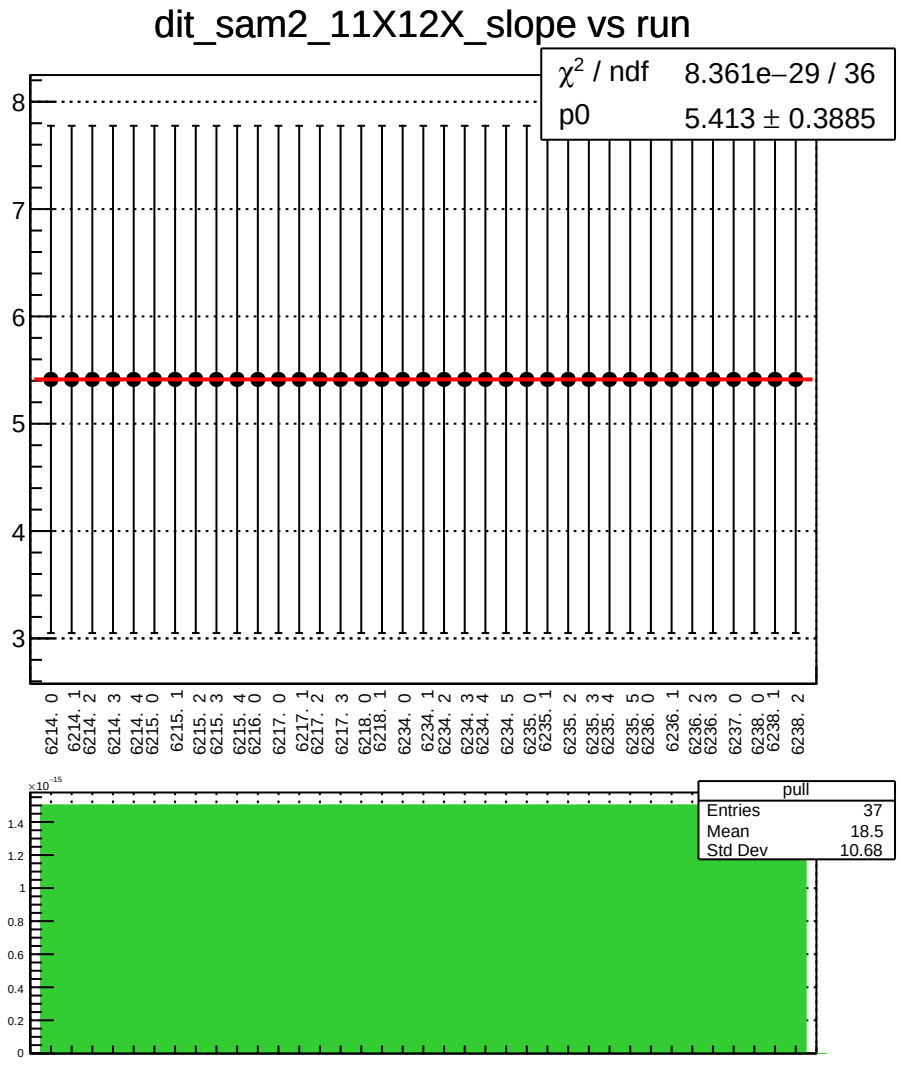

dit_sam1_4eY_slope vs run
χ² / ndf 6.872e−27 / 36
p0 6.936 ± 0.09643
7.6
7.4
7.2
7
6.8
6.6
6.4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −1.363e−14
Std Dev3.668e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

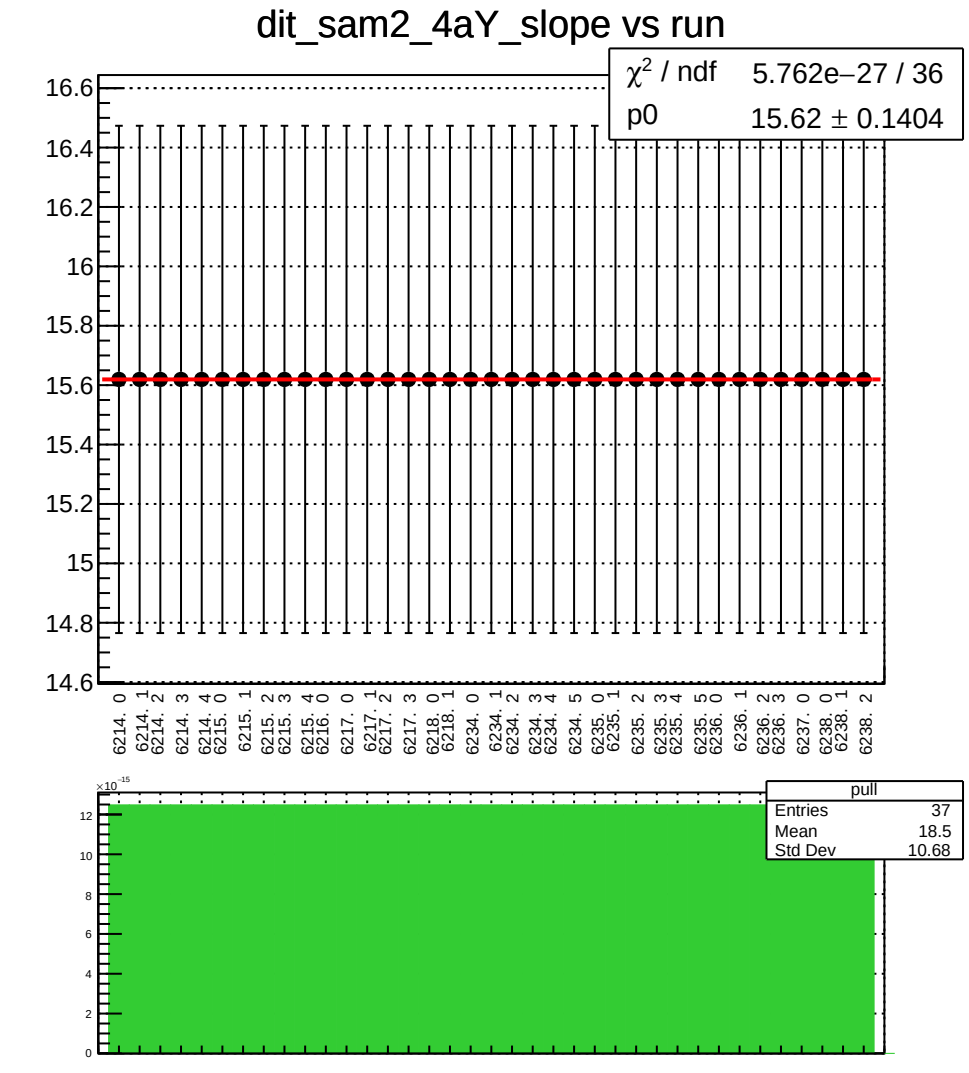

dit_sam2_4aX_slope vs run
χ² / ndf 9.42e−29 / 36
p0 30.82 ± 1.83
40
35
30
25
20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

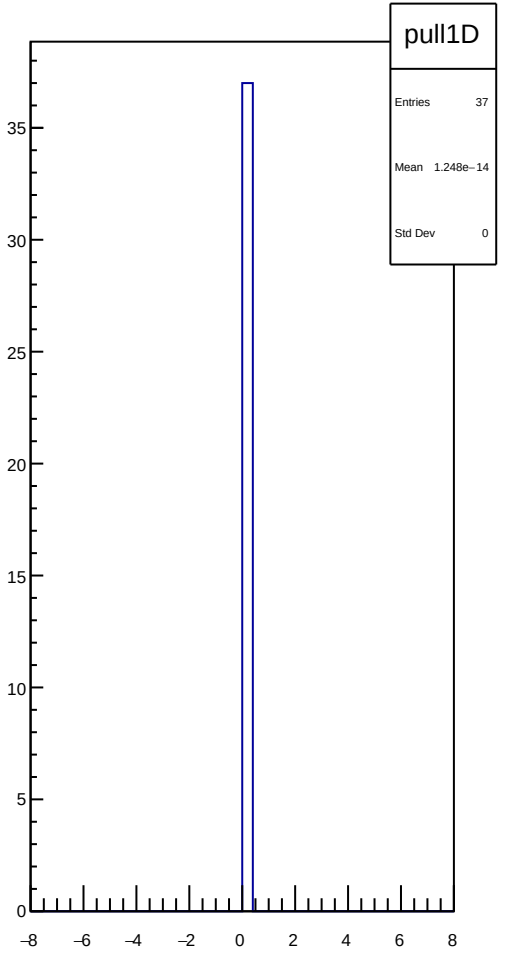

pull1D
Entries 37
Mean 1.596e−15
Std Dev1.872e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

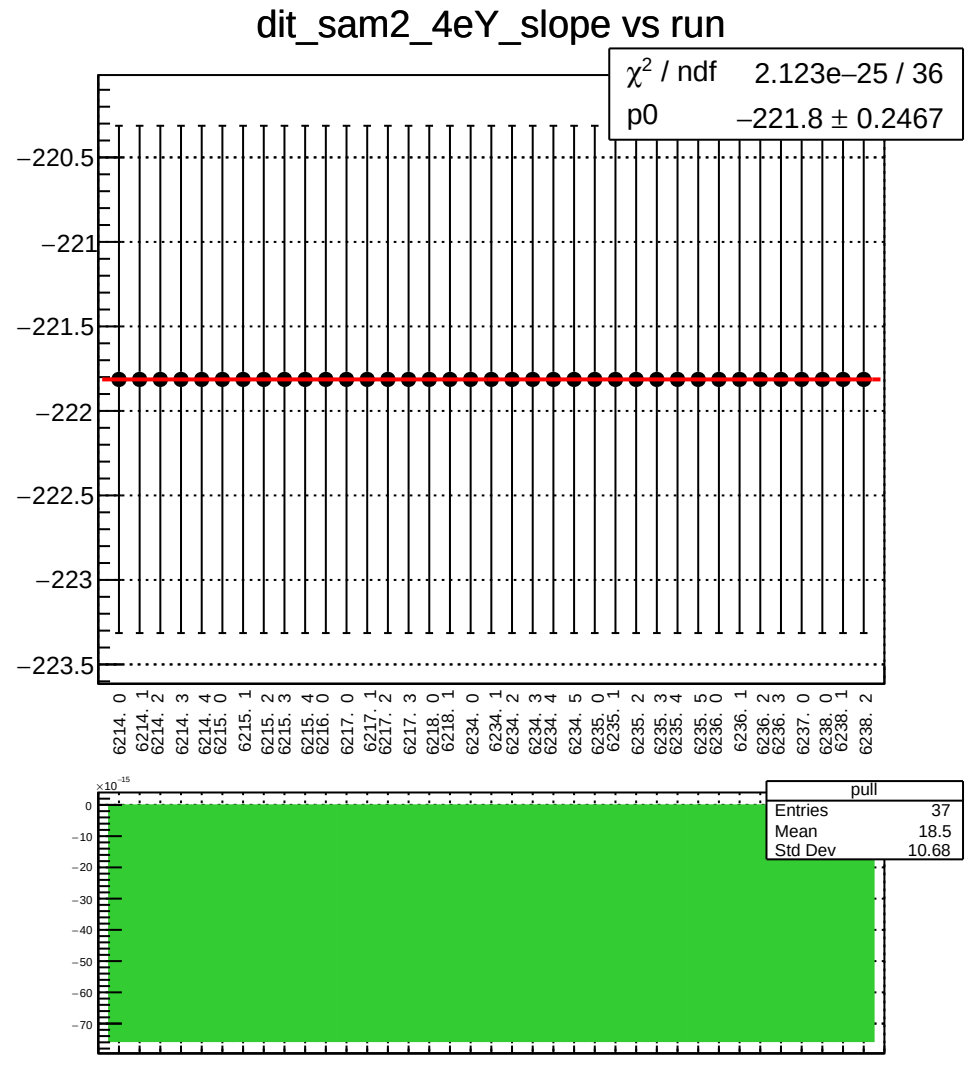

dit_sam2_4eX_slope vs run
χ² / ndf 4.461e−27 / 36
p0 −245 ± 1.702
−235
−240
−245
−250
−255
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 37
Mean 18.5
Std Dev 10.68

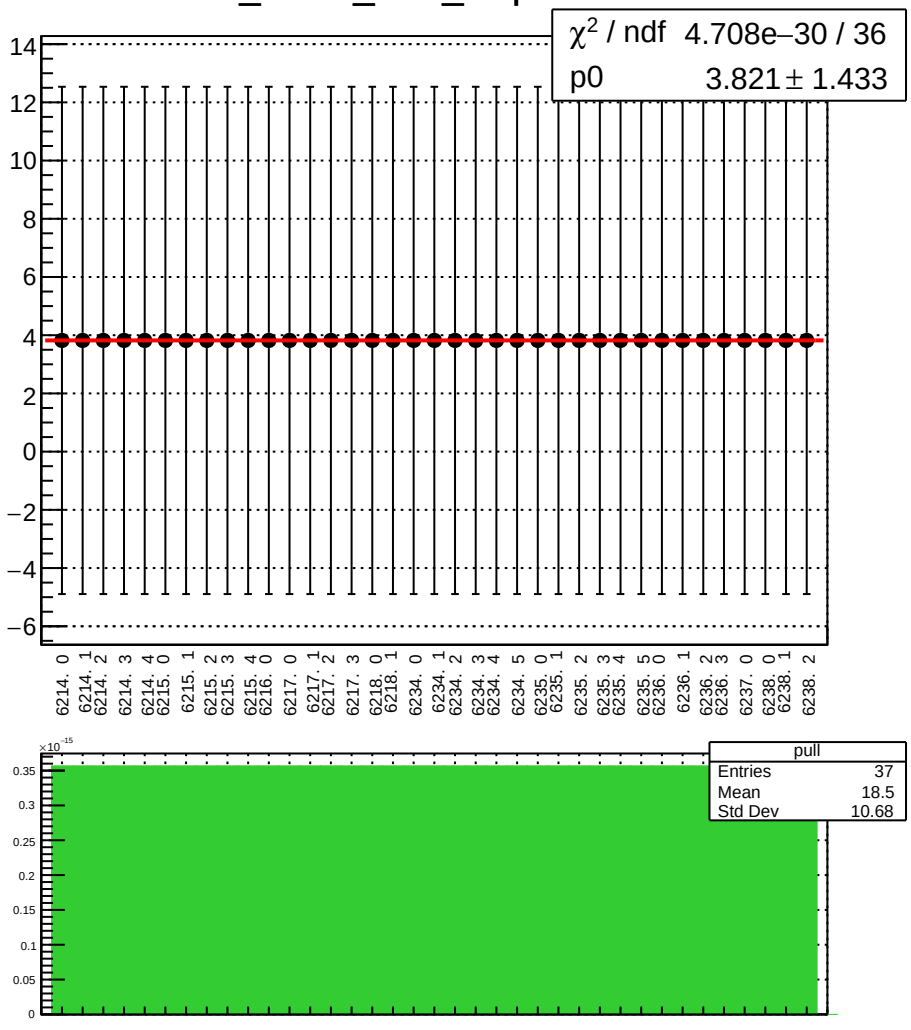

pull1D
Entries 37
Mean −1.098e−14
Std Dev2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

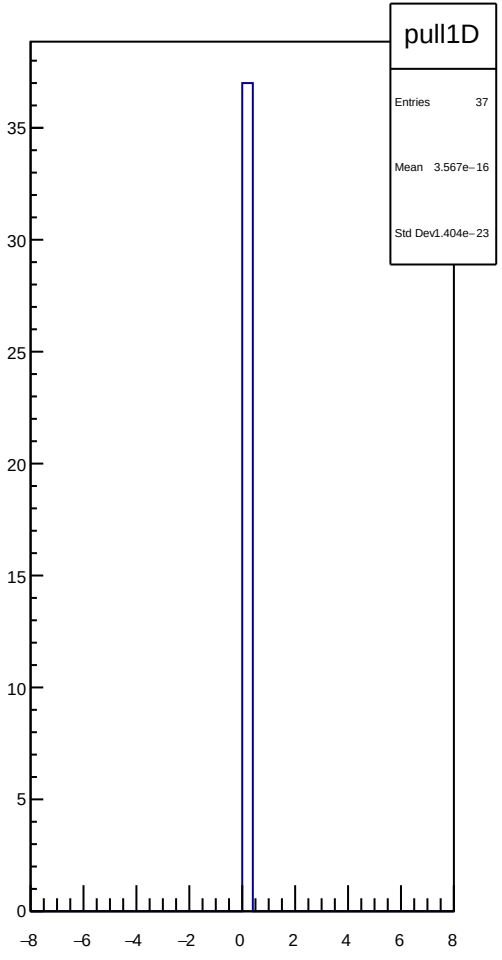

dit_sam2_11X12X_slope vs run
χ² / ndf 8.361e−29 / 36
p0 5.413 ± 0.3885
8
7
6
5
4
3
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 1.503e−15
Std Dev 5.294e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

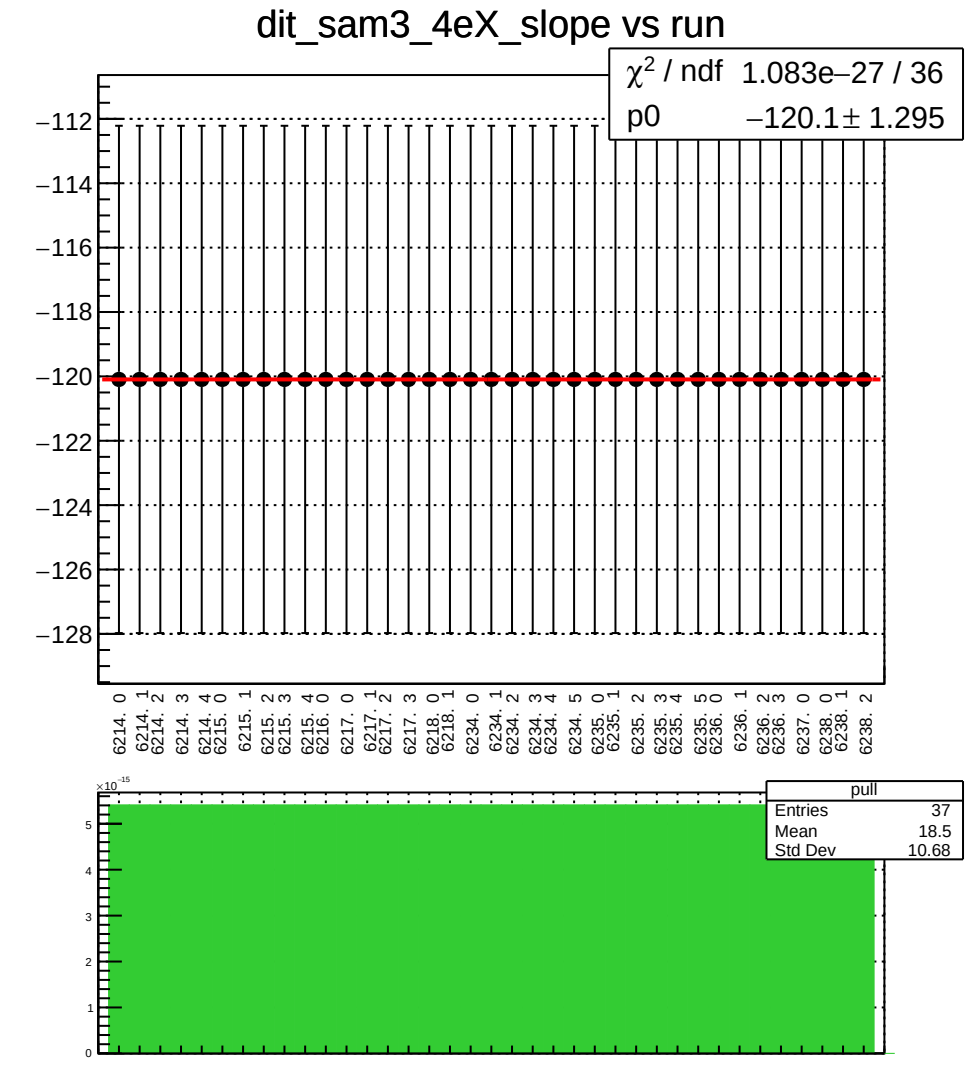

dit_sam2_4aY_slope vs run
χ² / ndf 5.762e−27 / 36
p0 15.62 ± 0.1404
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

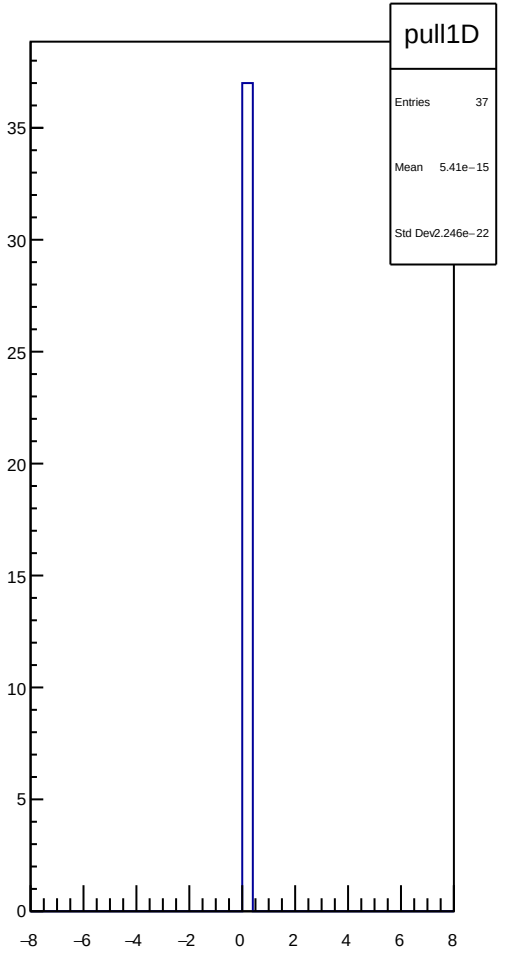

pull1D
Entries 37
Mean 1.248e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

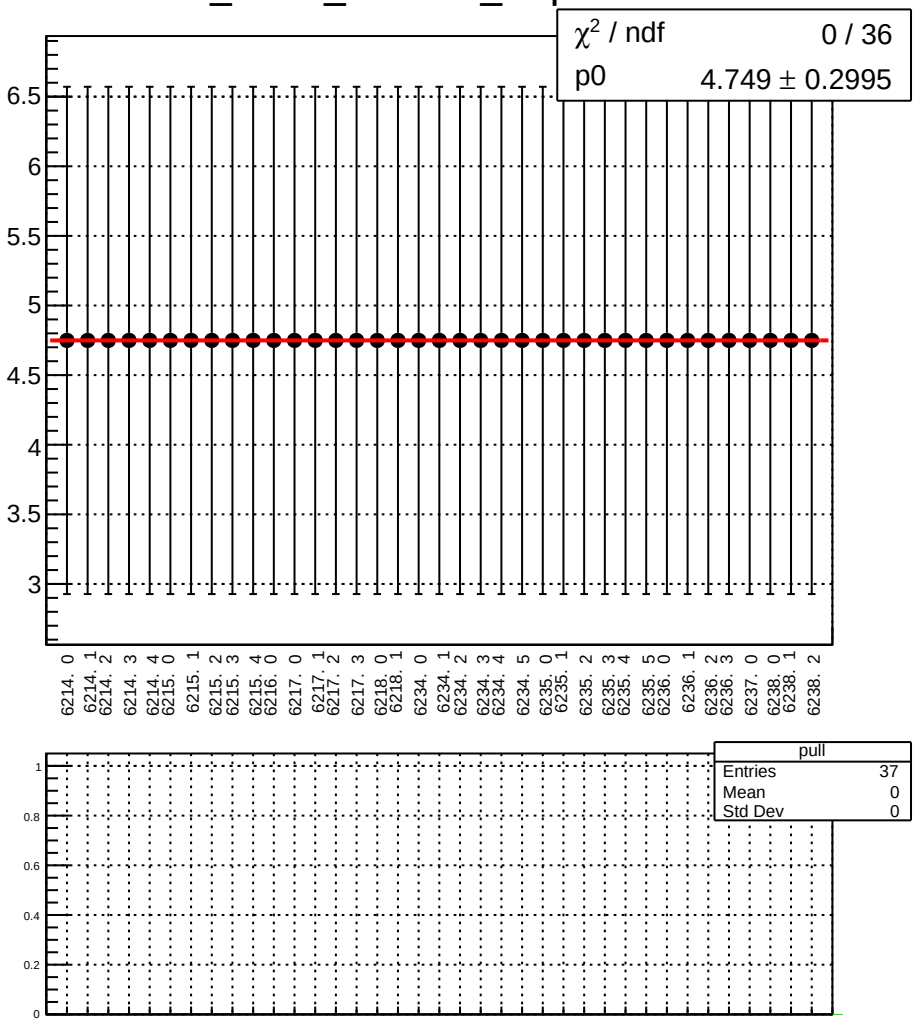

dit_sam2_4eY_slope vs run
χ² / ndf 2.123e−25 / 36
p0 −221.8 ± 0.2467
−220.5
−221
−221.5
−222
−222.5
−223
−223.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −7.575e−14
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

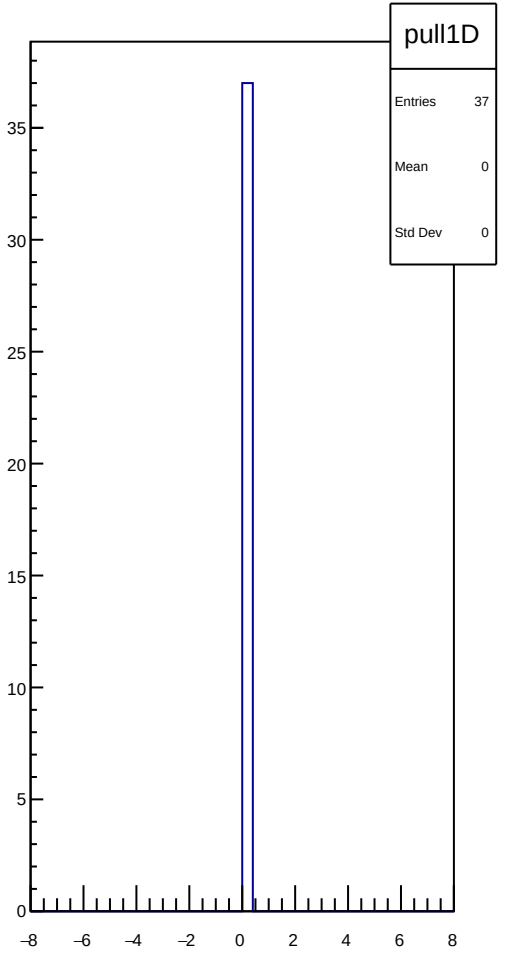

dit_sam3_4aX_slope vs run
χ² / ndf 4.708e−30 / 36
p0 3.821 ± 1.433
pull
Entries 37
Mean 18.5
Std Dev 10.68

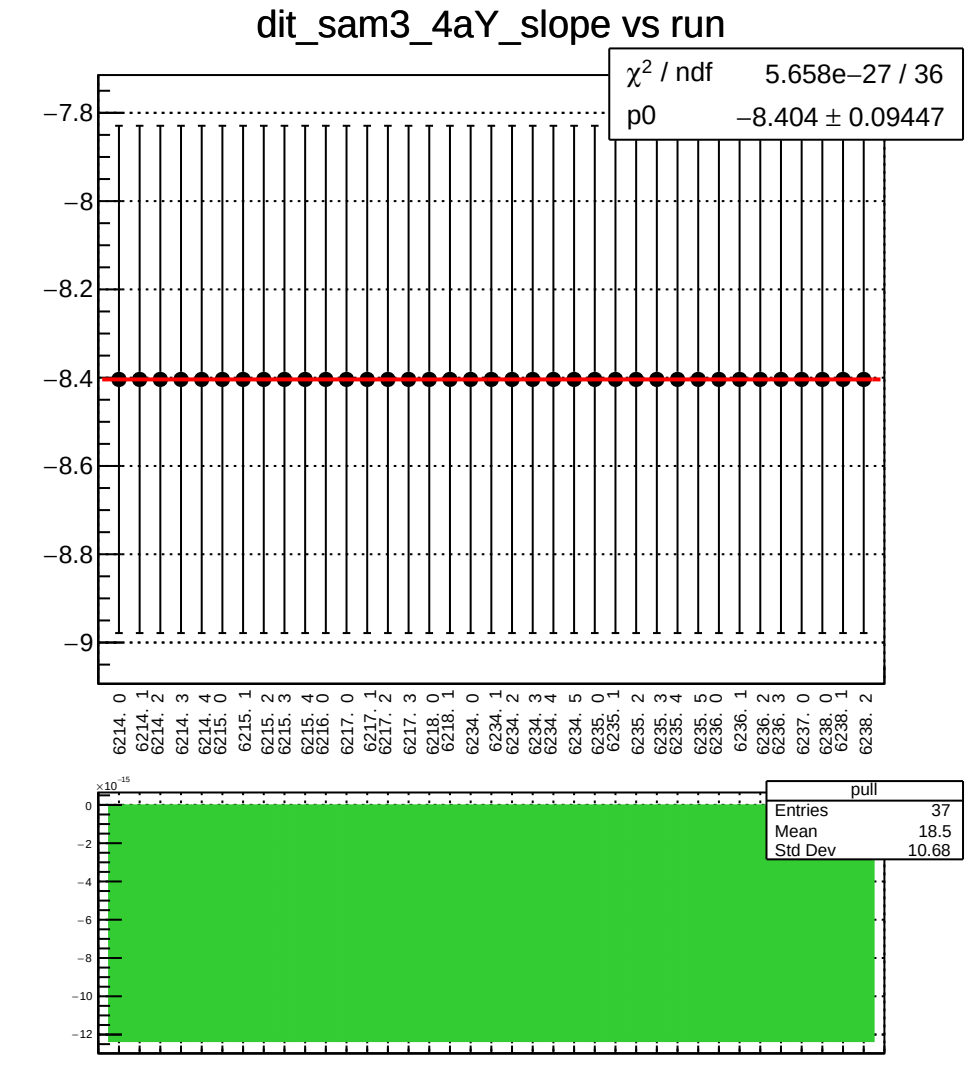

pull1D
Entries 37
Mean 3.567e−16
Std Dev1.404e−23

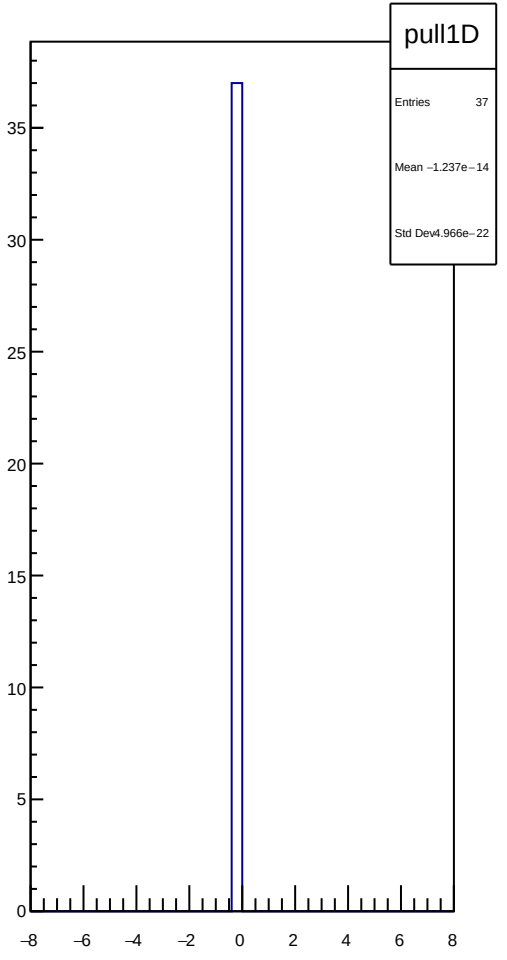

dit_sam3_4eX_slope vs run
χ² / ndf 1.083e−27 / 36
p0 −120.1± 1.295
−112
−114
−116
−118
−120
−122
−124
−126
−128
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
pull
Entries 37
Mean 18.5
Std Dev 10.68

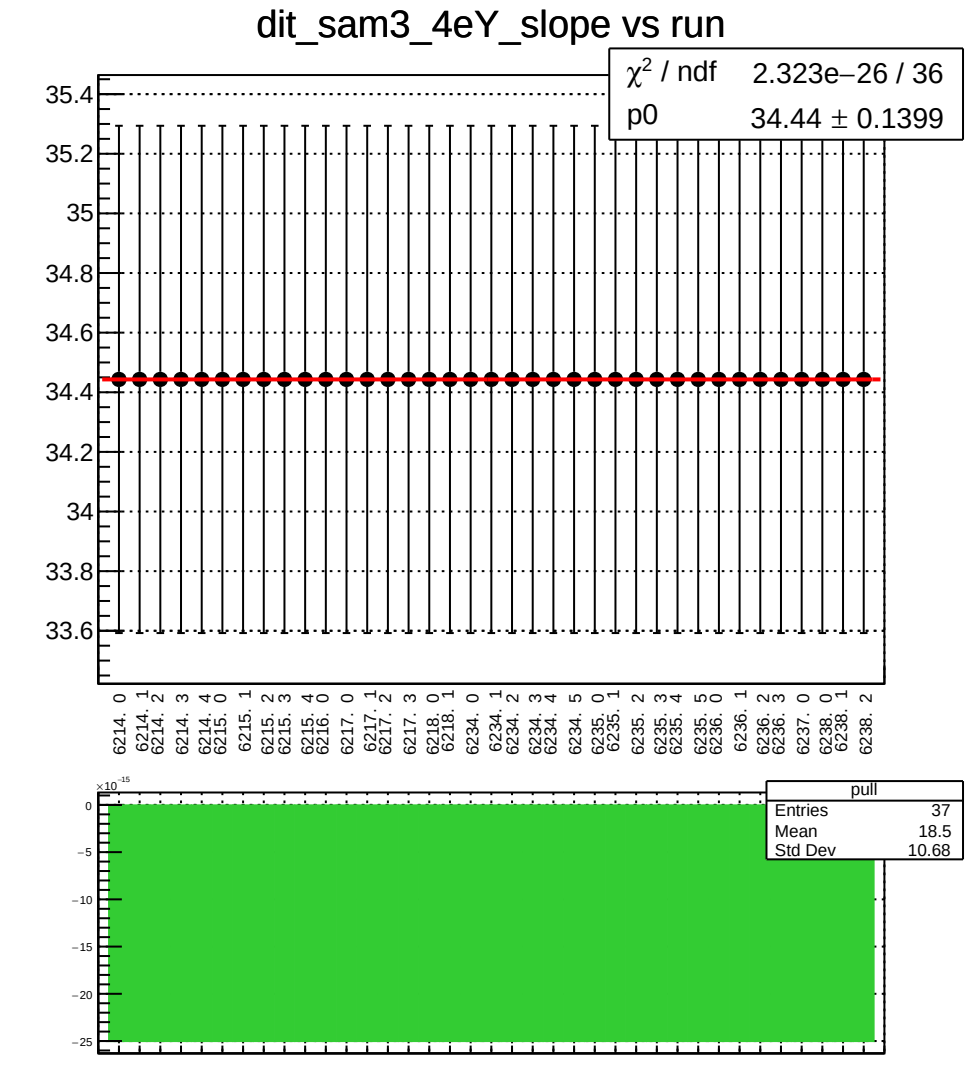

pull1D
Entries 37
Mean 5.41e−15
Std Dev2.246e−22

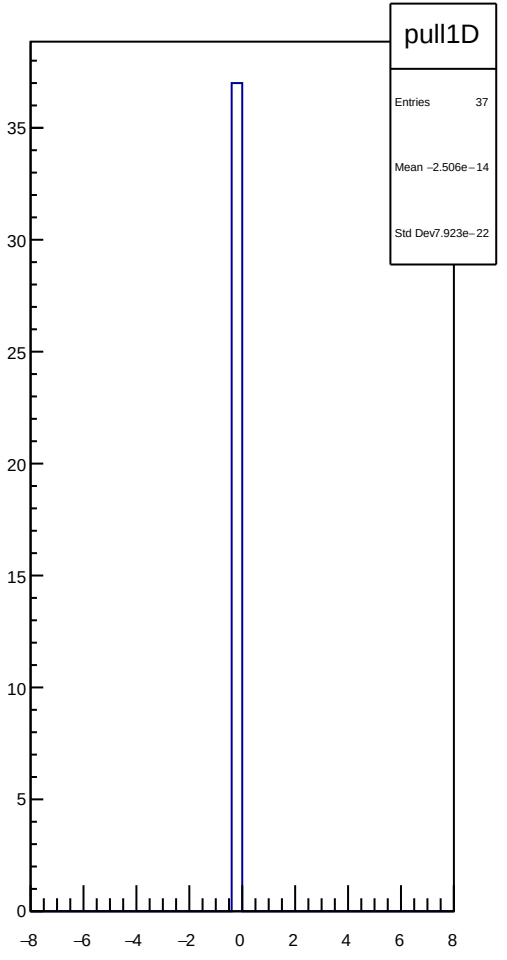

dit_sam3_11X12X_slope vs run
χ^2 / ndf 0 / 36
p0 4.749 ± 0.2995
6.5
6
5.5
5
4.5
4
3.5
3
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

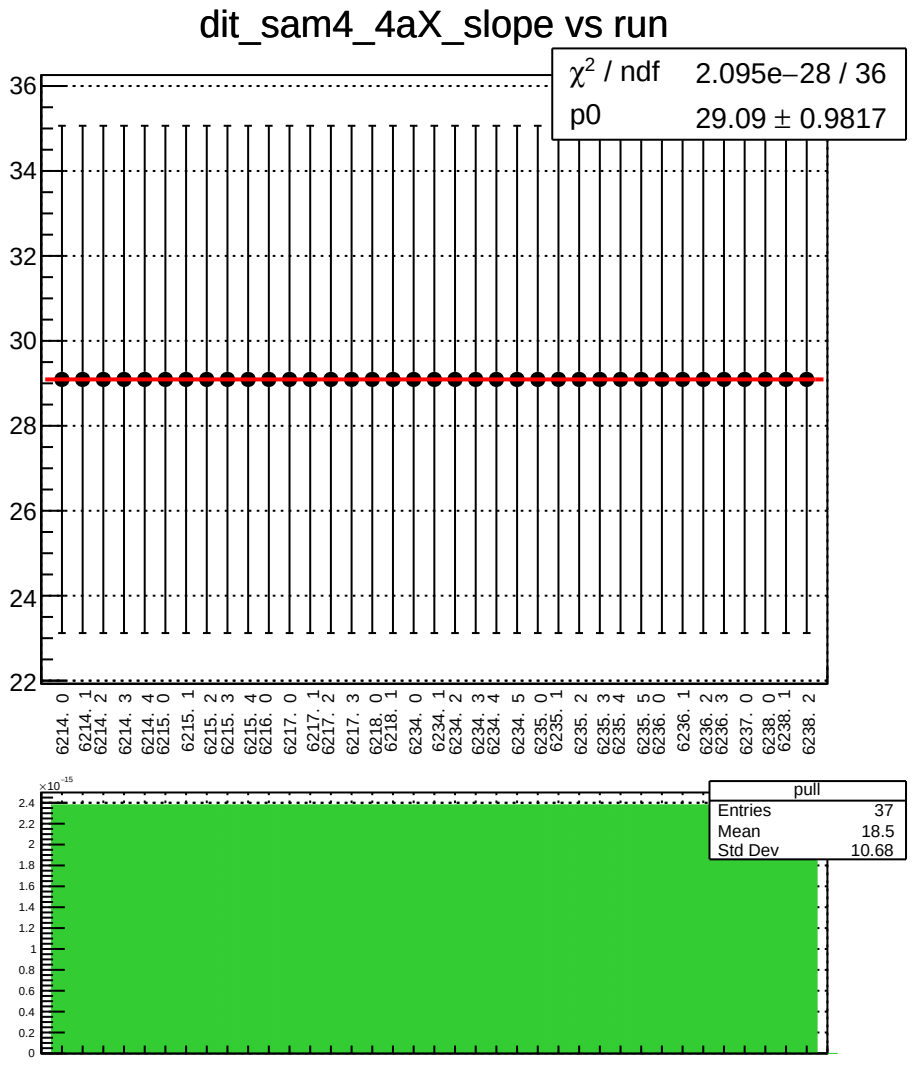

pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

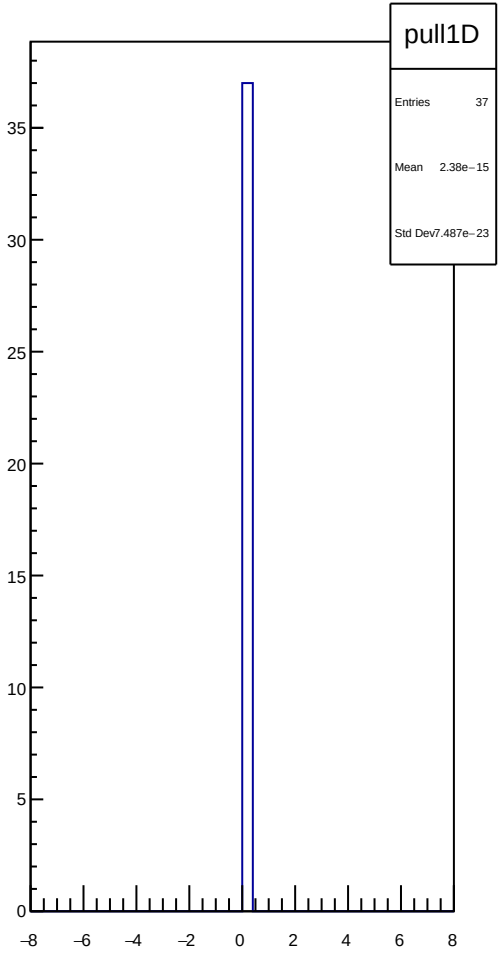

dit_sam3_4aY_slope vs run
χ² / ndf 5.658e−27 / 36
p0 −8.404 ± 0.09447
−7.8
−8
−8.2
−8.4
−8.6
−8.8
−9
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 37
Mean 18.5
Std Dev 10.68

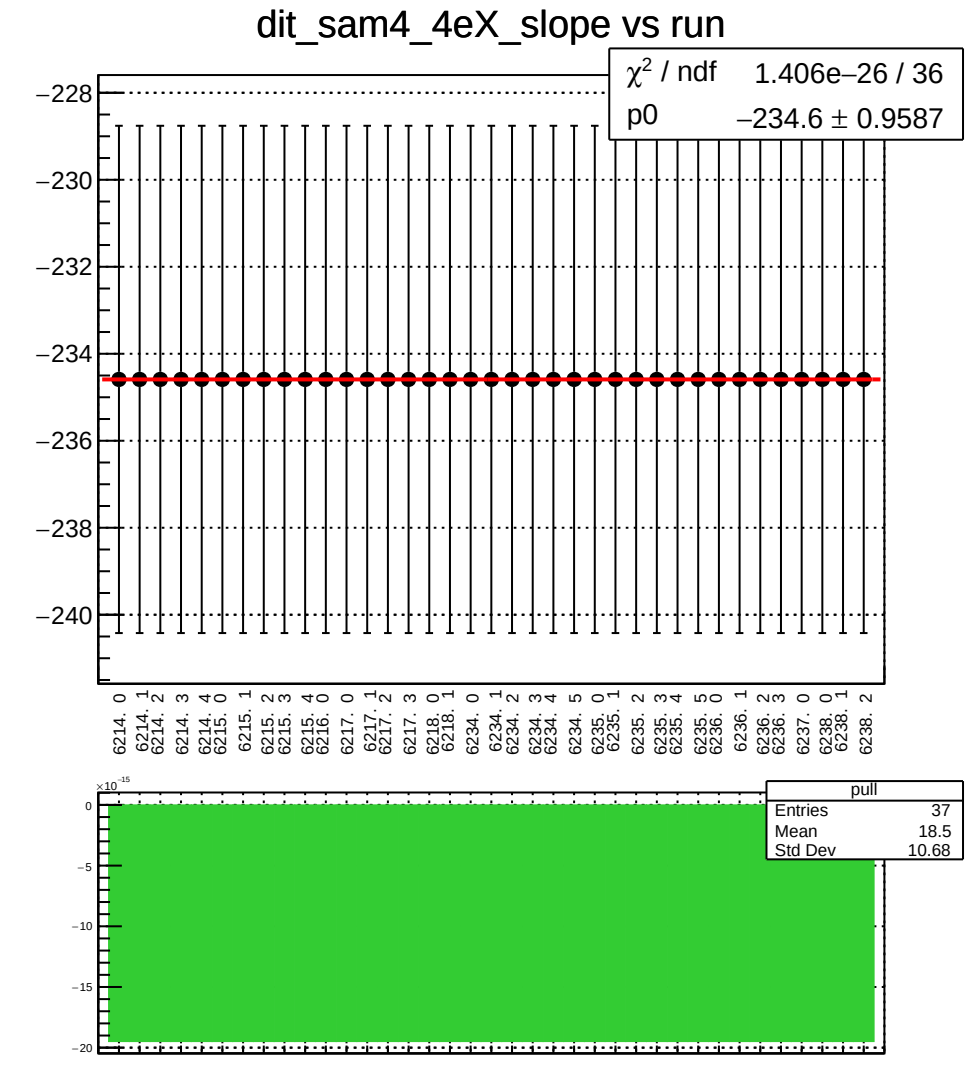

pull1D
Entries 37
Mean −1.237e−14
Std Dev4.966e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

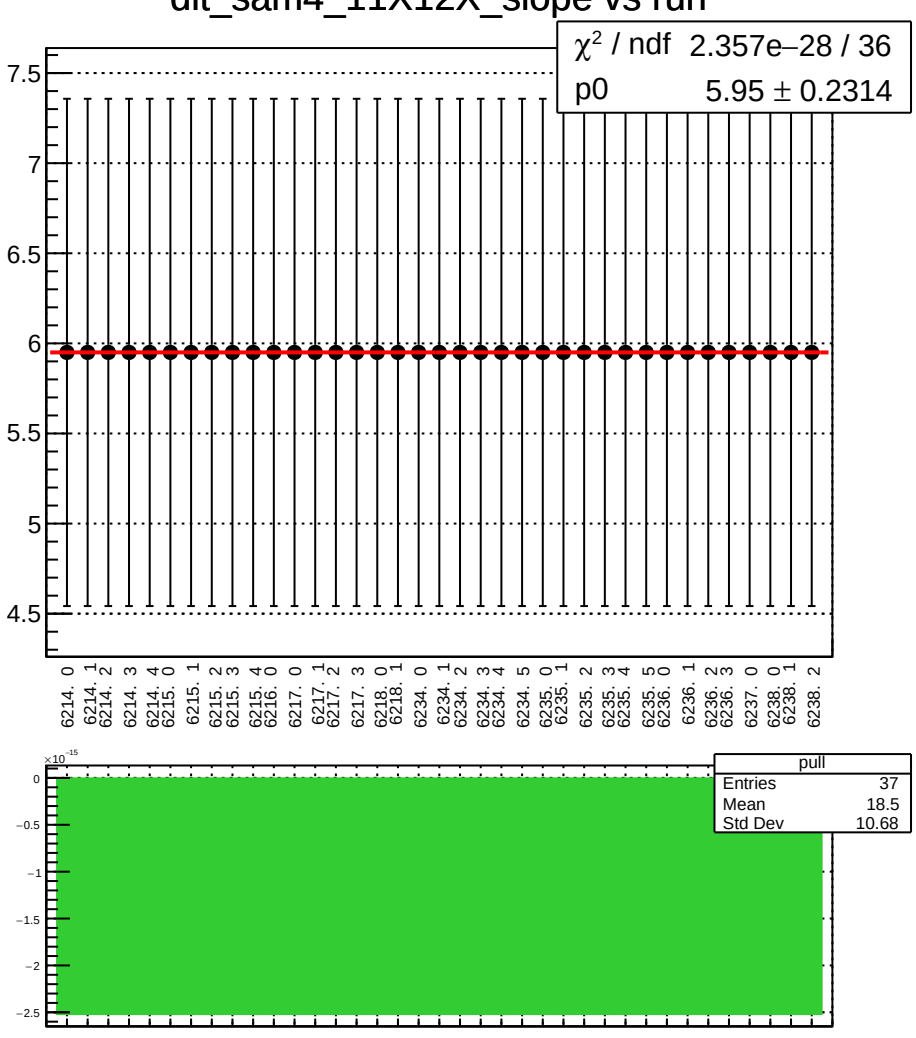

dit_sam3_4eY_slope vs run
χ² / ndf 2.323e−26 / 36
p0 34.44 ± 0.1399
35.4
35.2
35
34.8
34.6
34.4
34.2
34
33.8
33.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 37
Mean 18.5
Std Dev 10.68

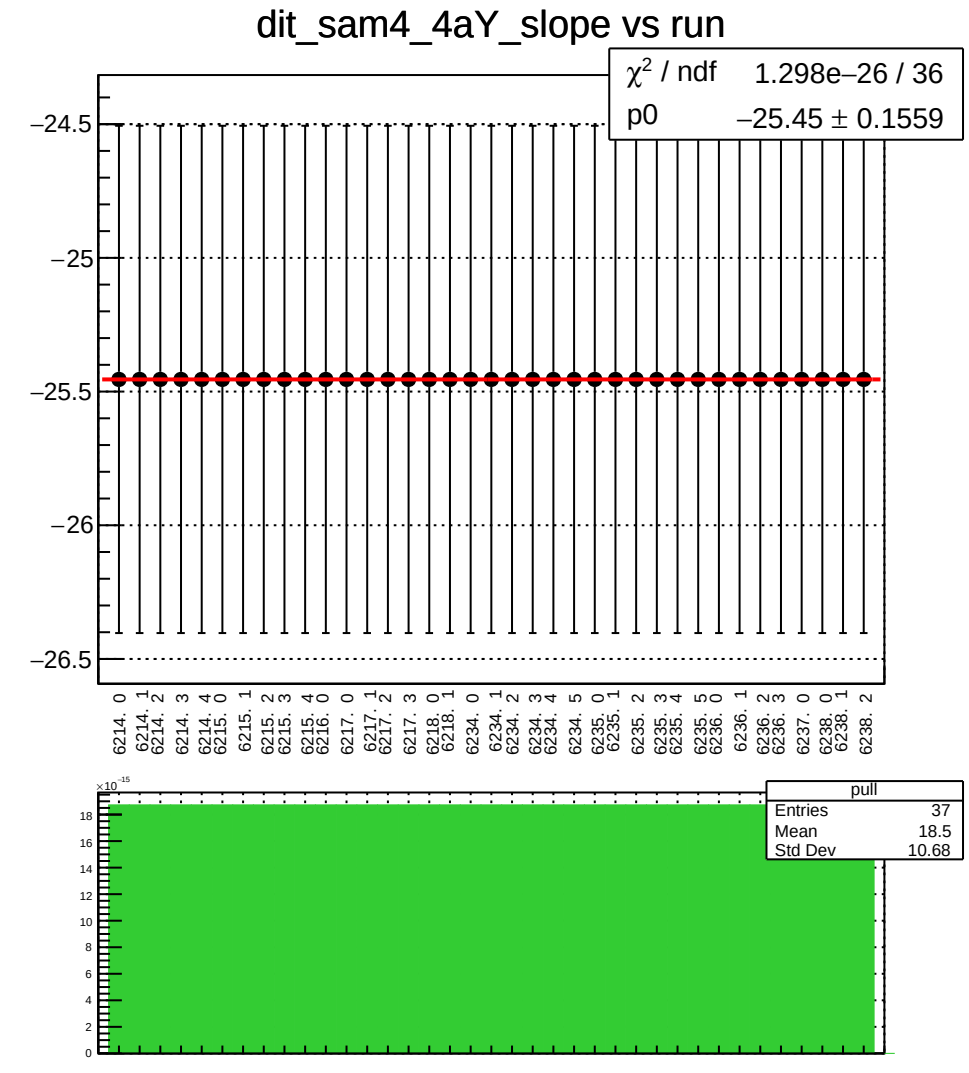

pull1D
Entries 37
Mean −2.506e−14
Std Dev7.923e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

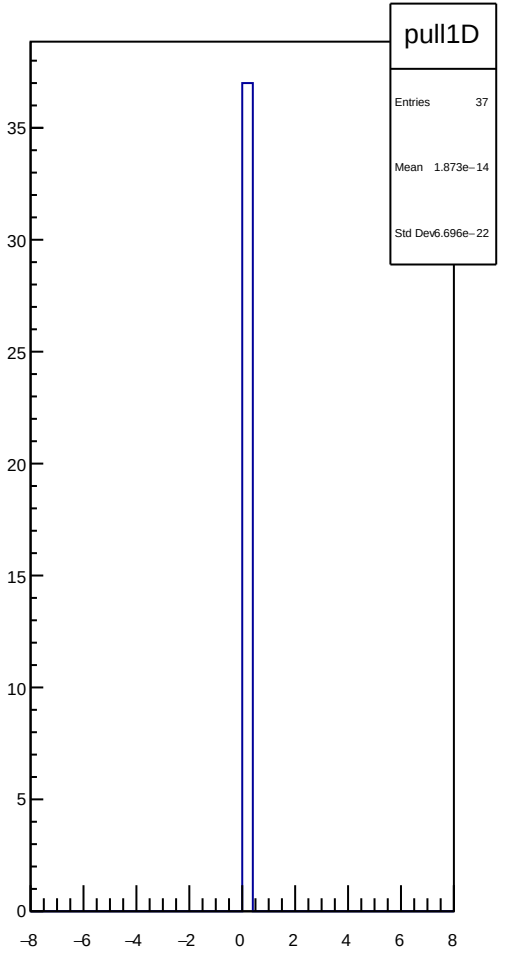

dit_sam4_4aX_slope vs run
χ² / ndf 2.095e−28 / 36
p0 29.09 ± 0.9817
36
34
32
30
28
26
24
22
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

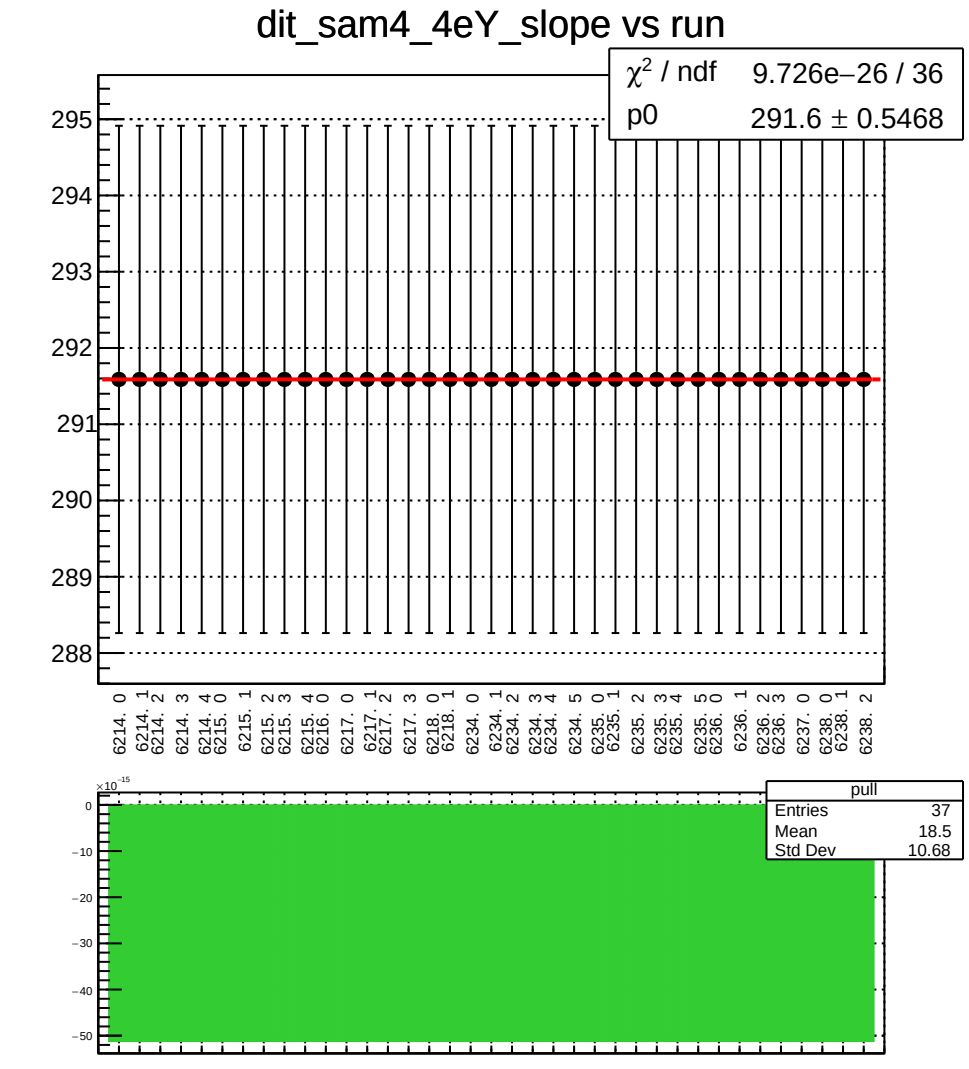

pull1D
Entries 37
Mean 2.38e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

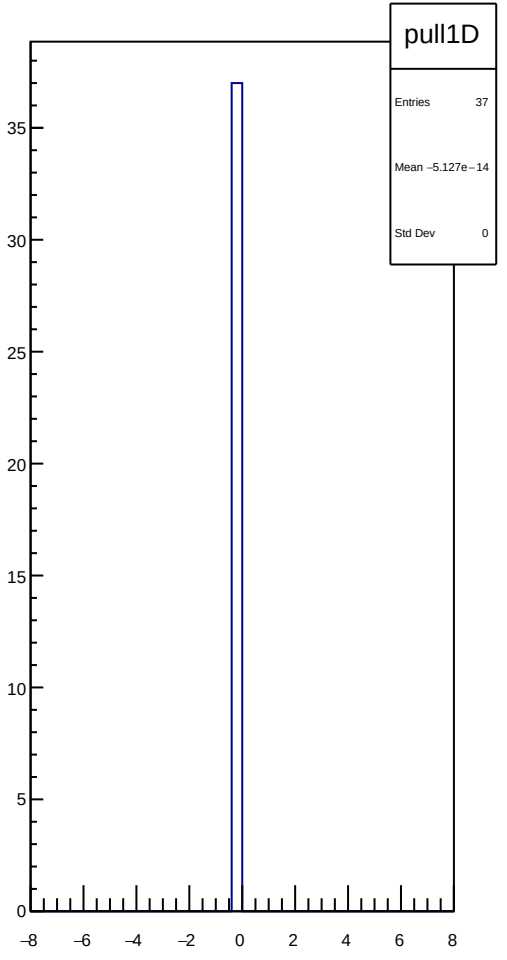

dit_sam4_4eX_slope vs run
χ² / ndf 1.406e−26 / 36
p0 −234.6 ± 0.9587
−228
−230
−232
−234
−236
−238
−240
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −1.95e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

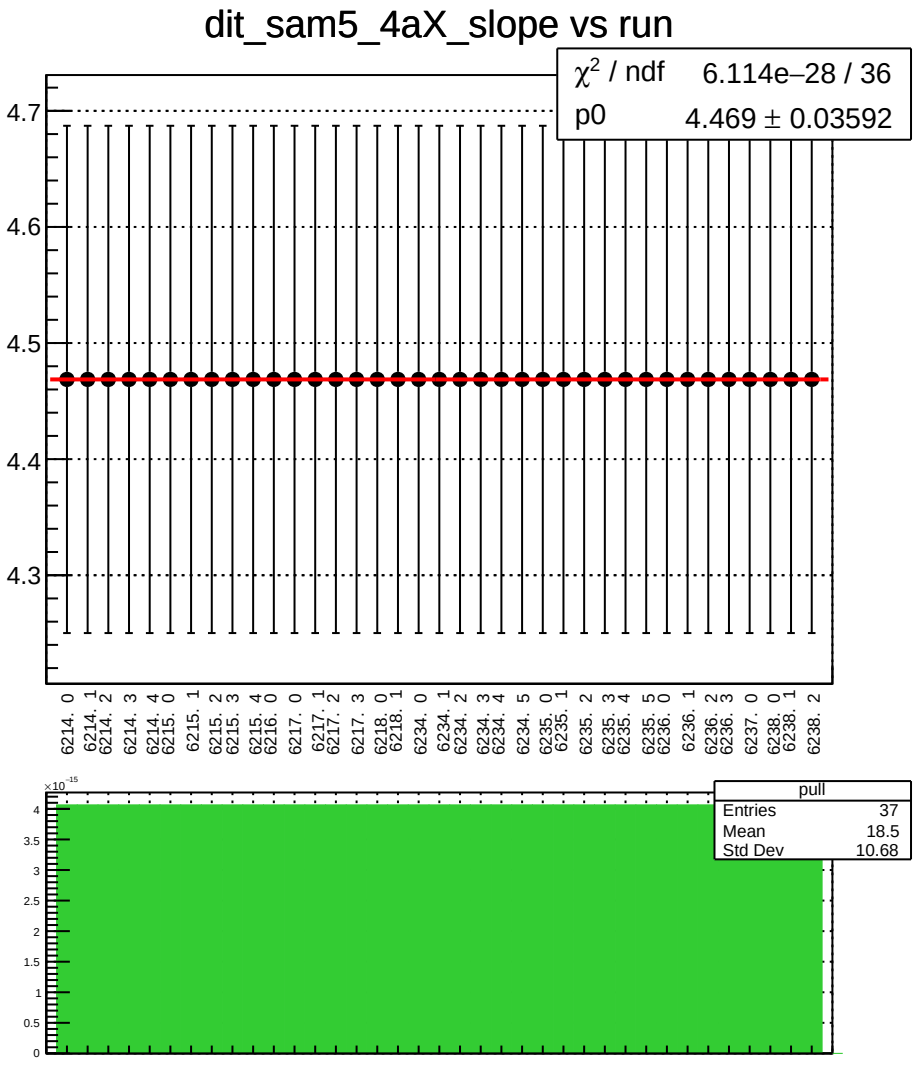

dit_sam4_11X12X_slope vs run
χ² / ndf 2.357e−28 / 36
p0 5.95 ± 0.2314
7.5
7
6.5
6
5.5
5
4.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −2.524e−15
Std Dev 8.37e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

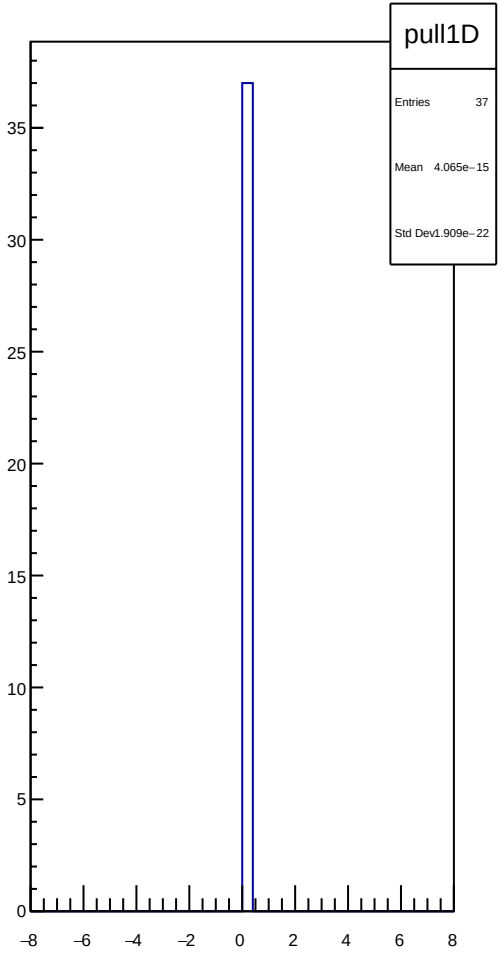

dit_sam4_4aY_slope vs run
χ² / ndf 1.298e−26 / 36
p0 −25.45 ± 0.1559
−24.5
−25
−25.5
−26
−26.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

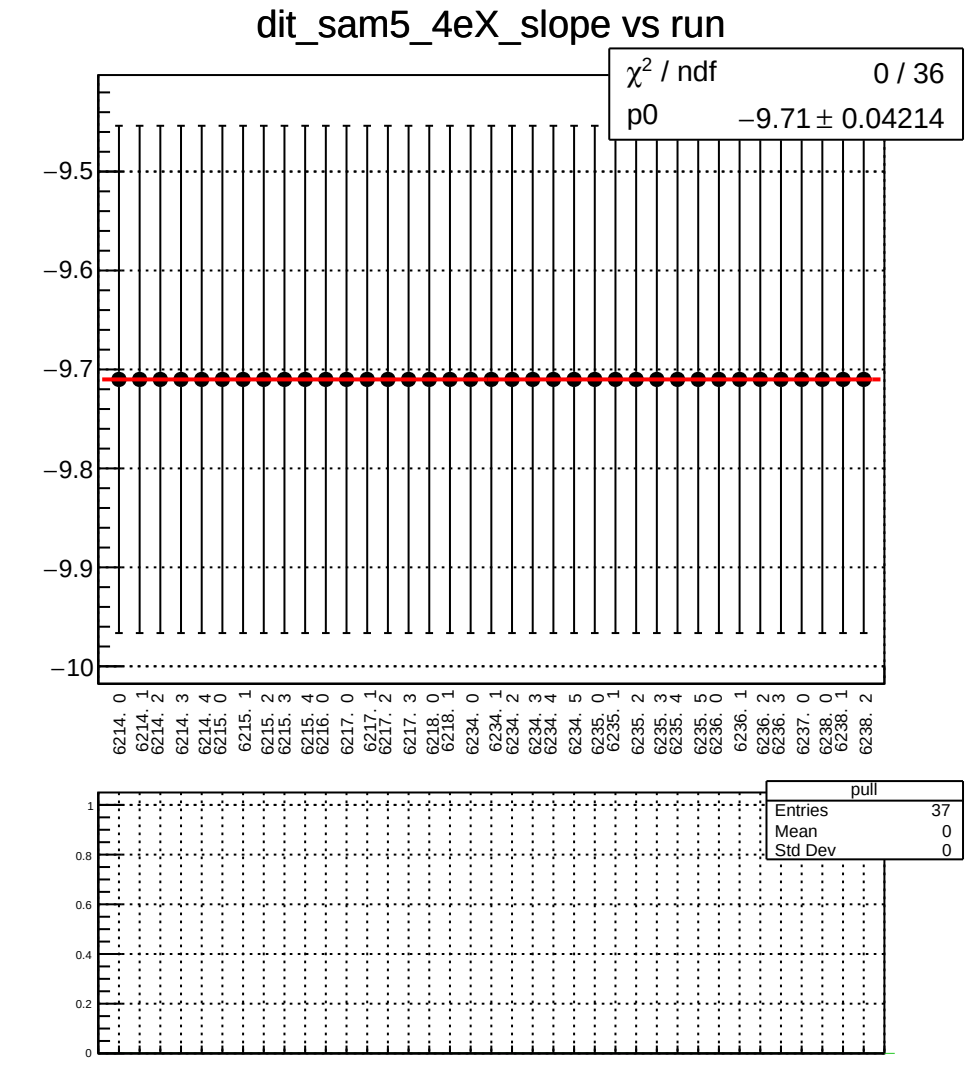

pull1D
Entries 37
Mean 1.873e−14
Std Dev 6.696e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

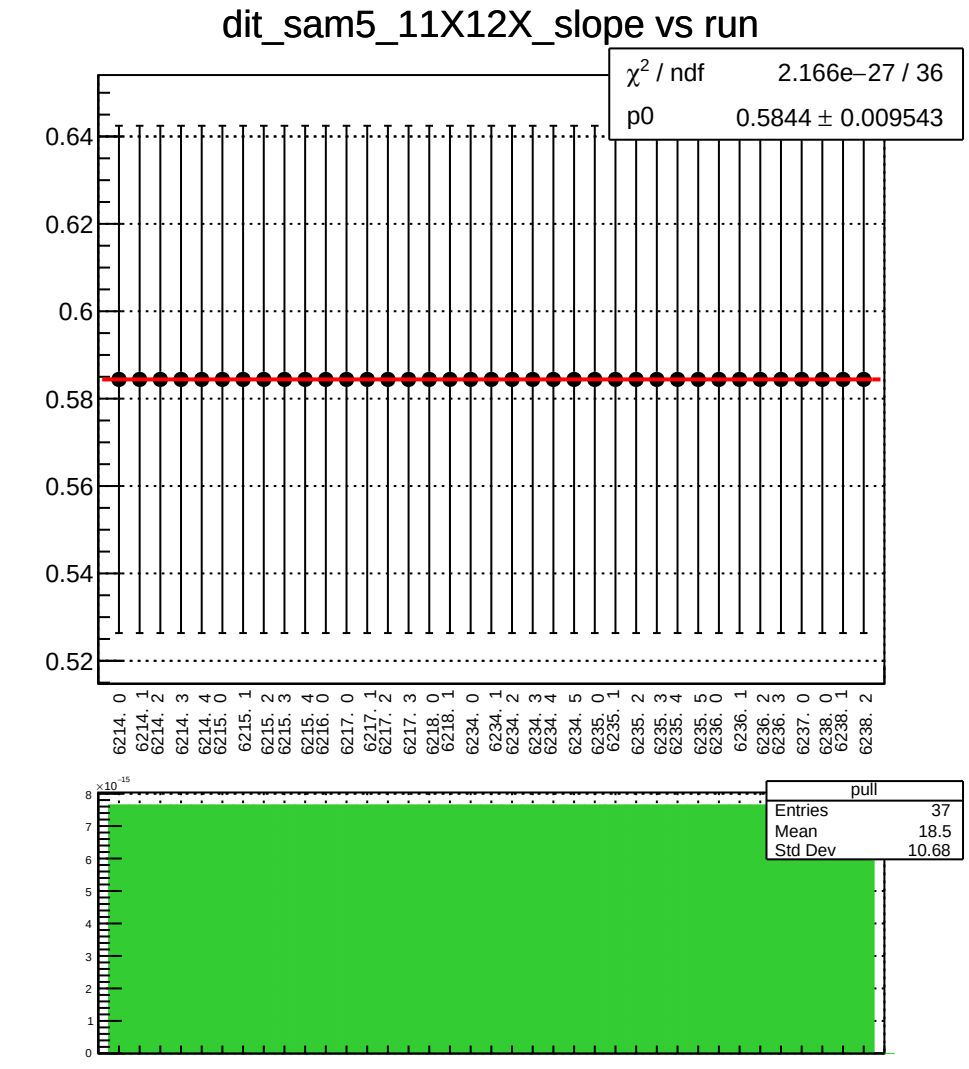

dit_sam4_4eY_slope vs run
χ² / ndf 9.726e−26 / 36
p0 291.6 ± 0.5468
295
294
293
292
291
290
289
288
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 37
Mean 18.5
Std Dev 10.68

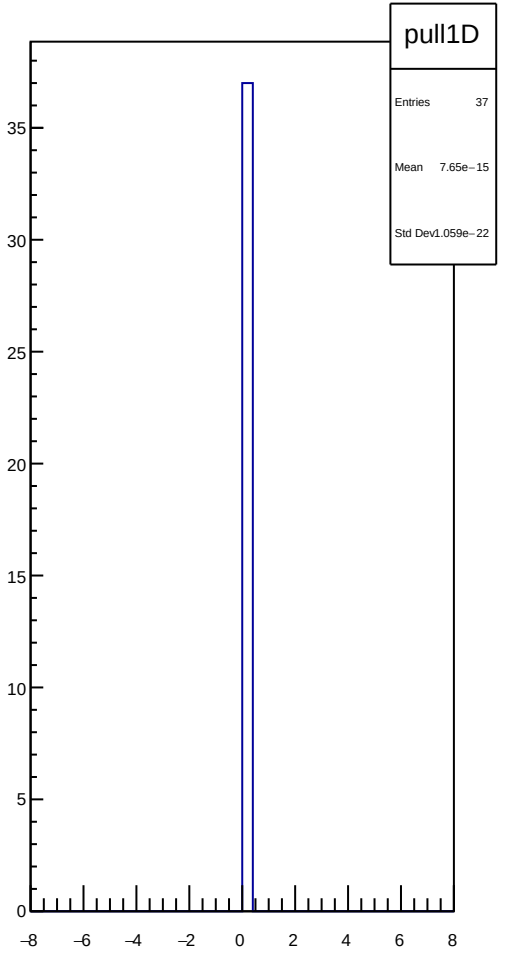

pull1D
Entries 37
Mean −5.127e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

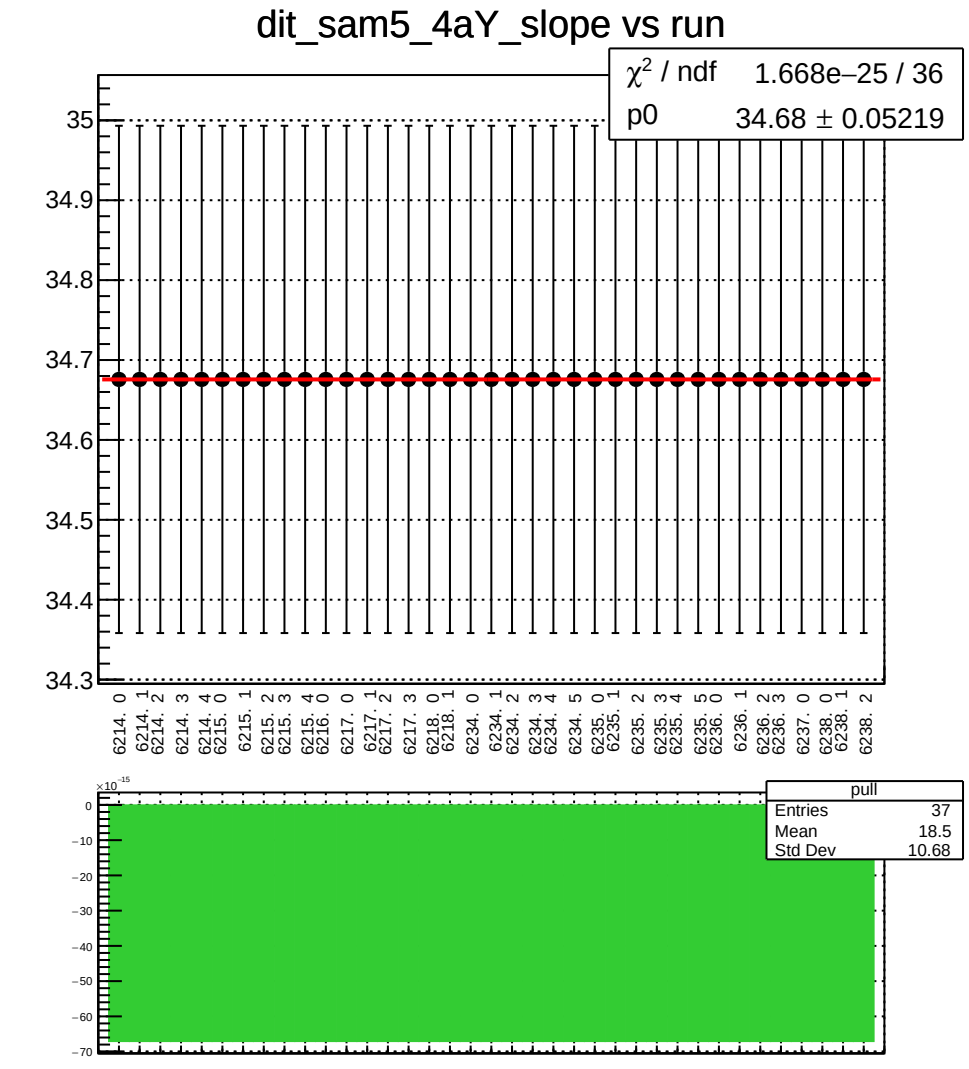

dit_sam5_4aX_slope vs run
χ² / ndf 6.114e−28 / 36
p0 4.469 ± 0.03592
4.7
4.6
4.5
4.4
4.3
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

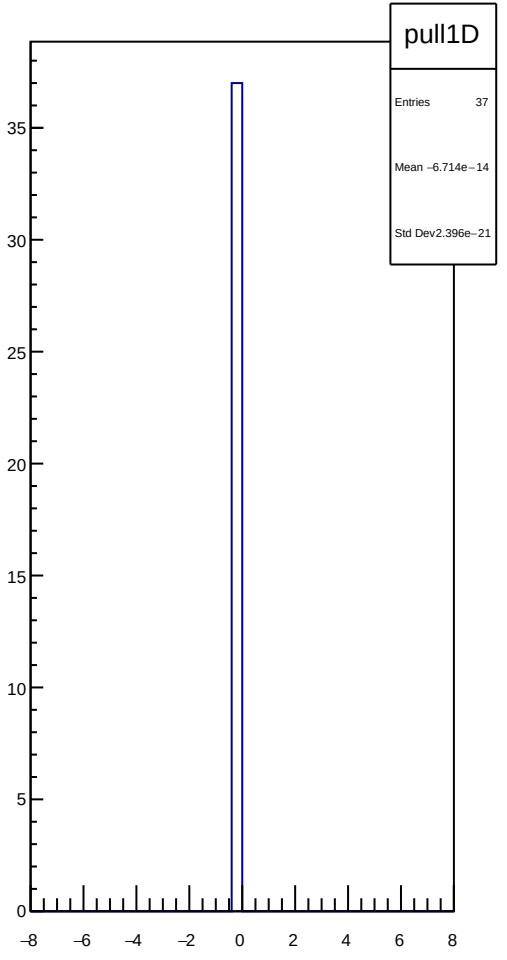

pull1D
Entries 37
Mean 4.065e−15
Std Dev1.909e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

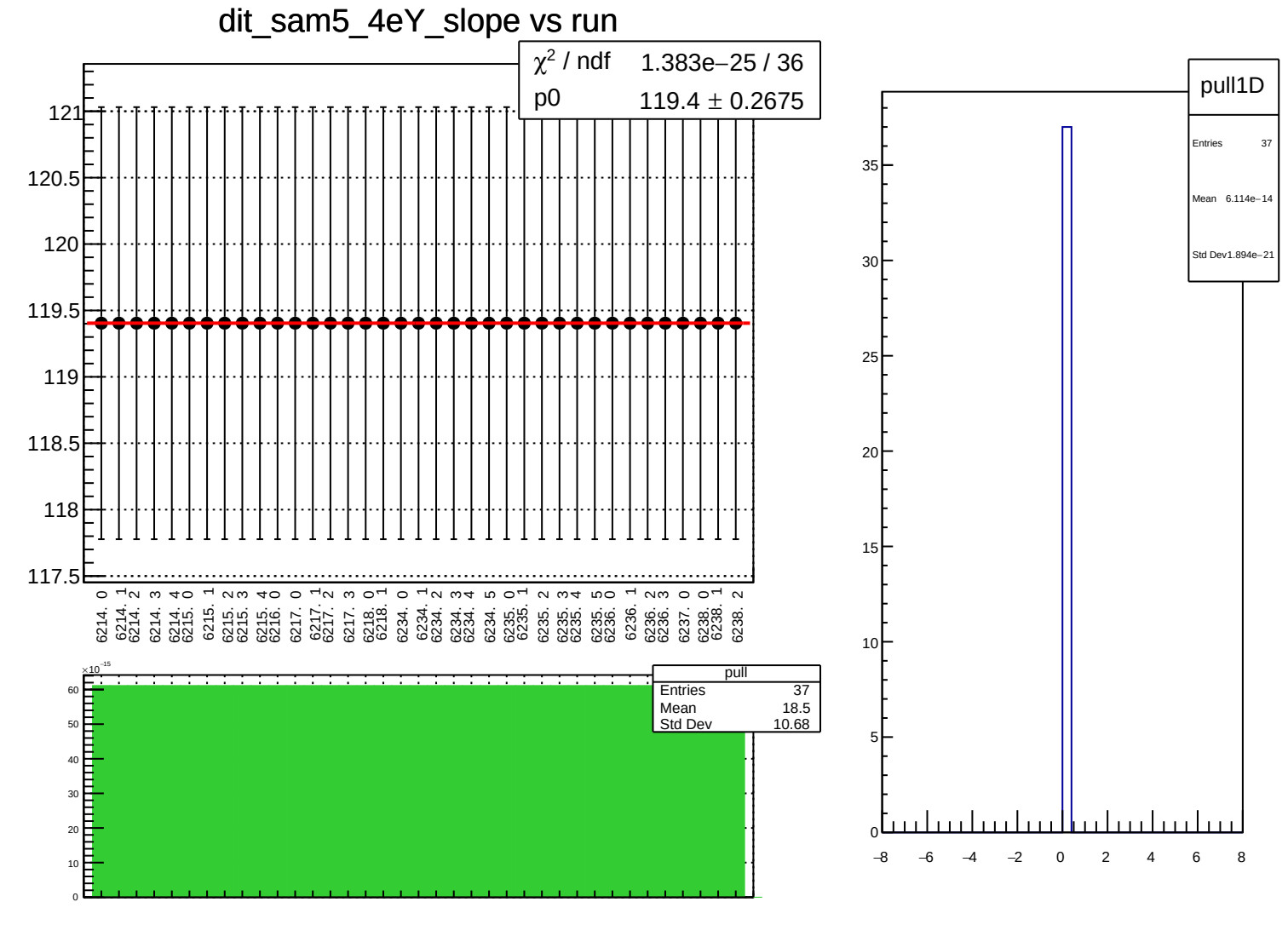

dit_sam5_4eX_slope vs run
χ^2 / ndf 0 / 36
p0 -9.71 ± 0.04214
−9.5
−9.6
−9.7
−9.8
−9.9
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 37
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

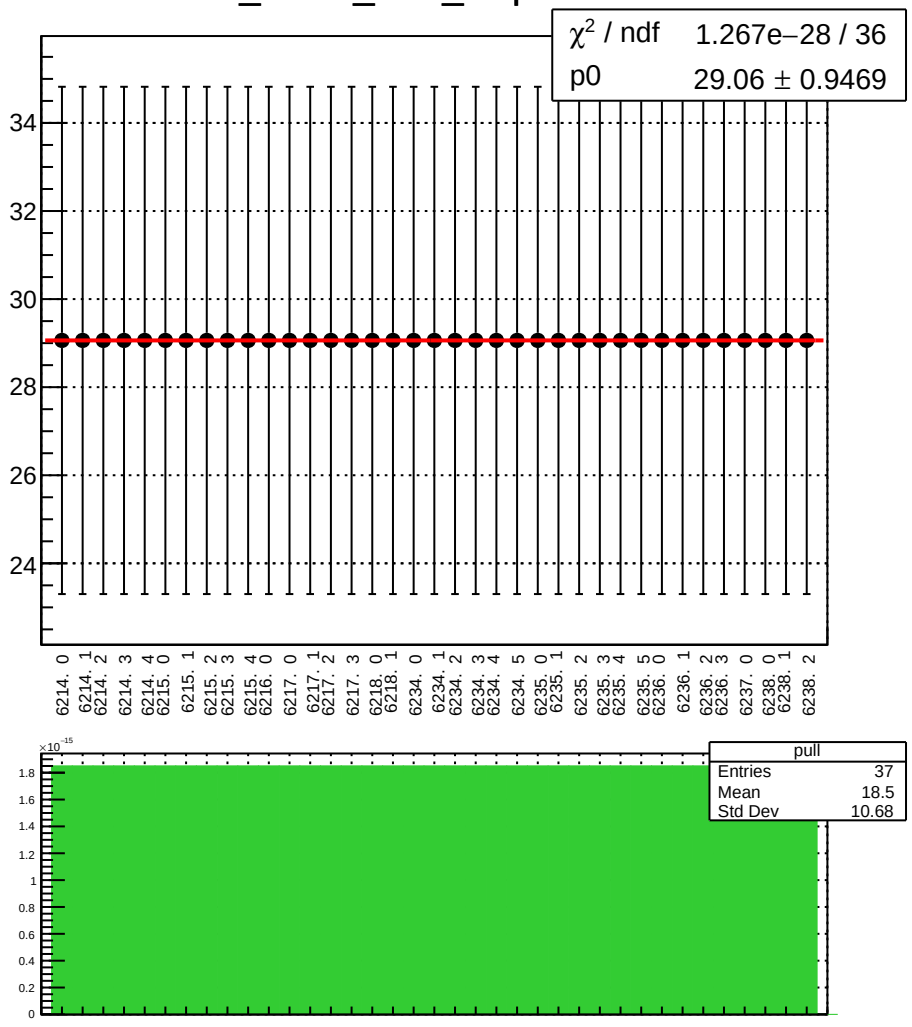

dit_sam5_11X12X_slope vs run
χ² / ndf 2.166e−27 / 36
p0 0.5844 ± 0.009543
0.64
0.62
0.6
0.58
0.56
0.54
0.52
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
8
7
6
5
4
3
2
1
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

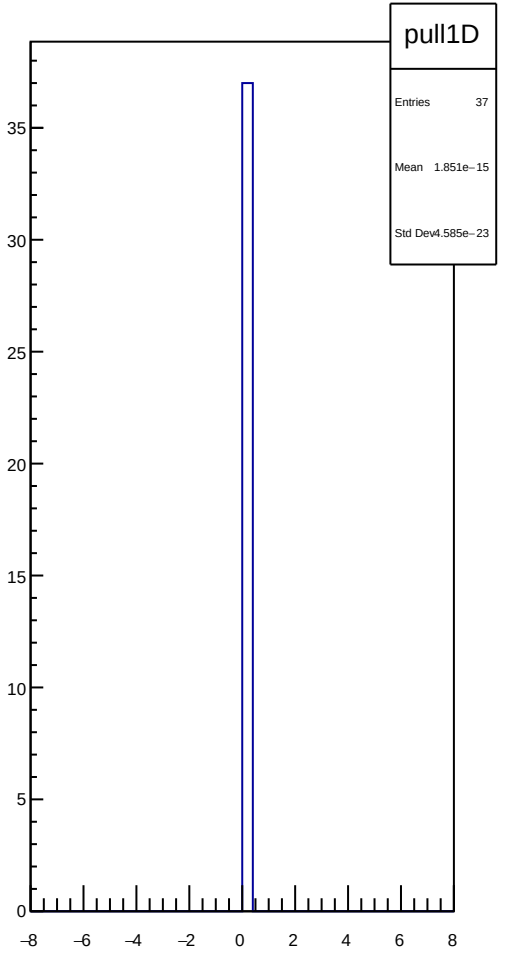

pull1D
Entries 37
Mean 7.65e−15
Std Dev1.059e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

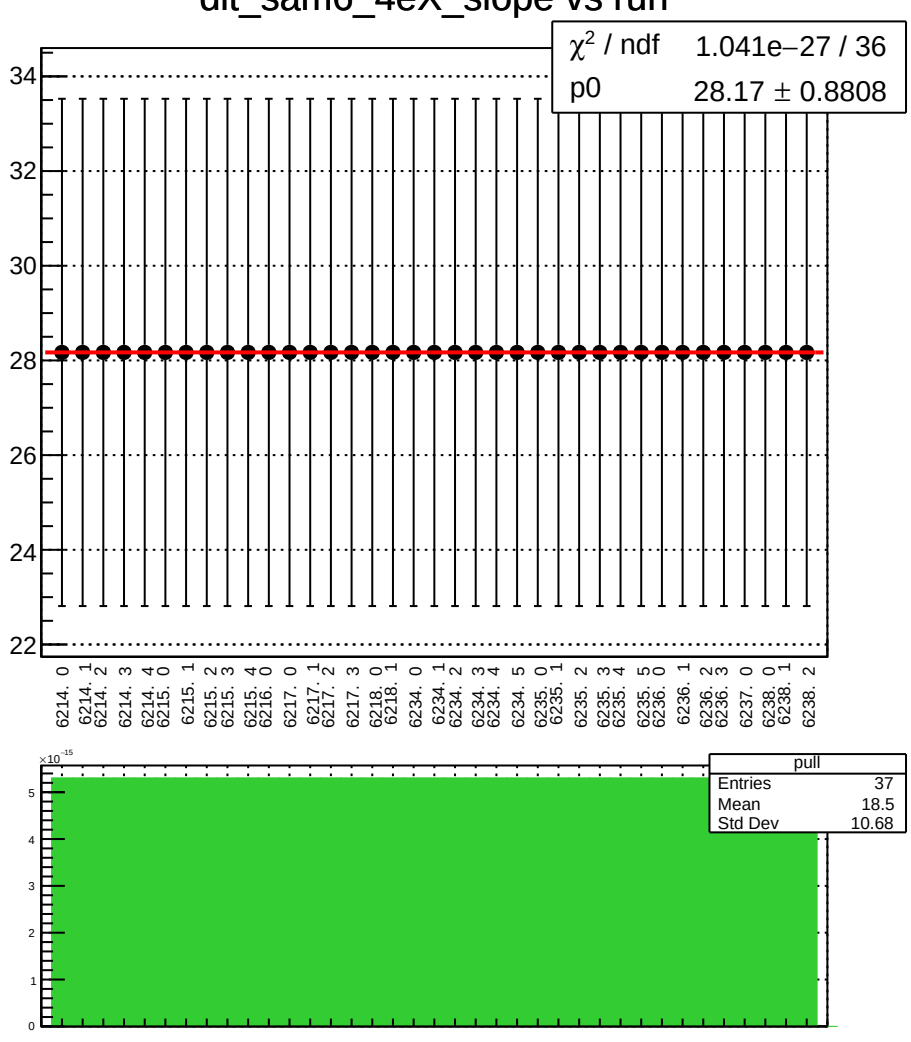

dit_sam5_4aY_slope vs run
χ² / ndf 1.668e−25 / 36
p0 34.68 ± 0.05219
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 37
Mean 18.5
Std Dev 10.68

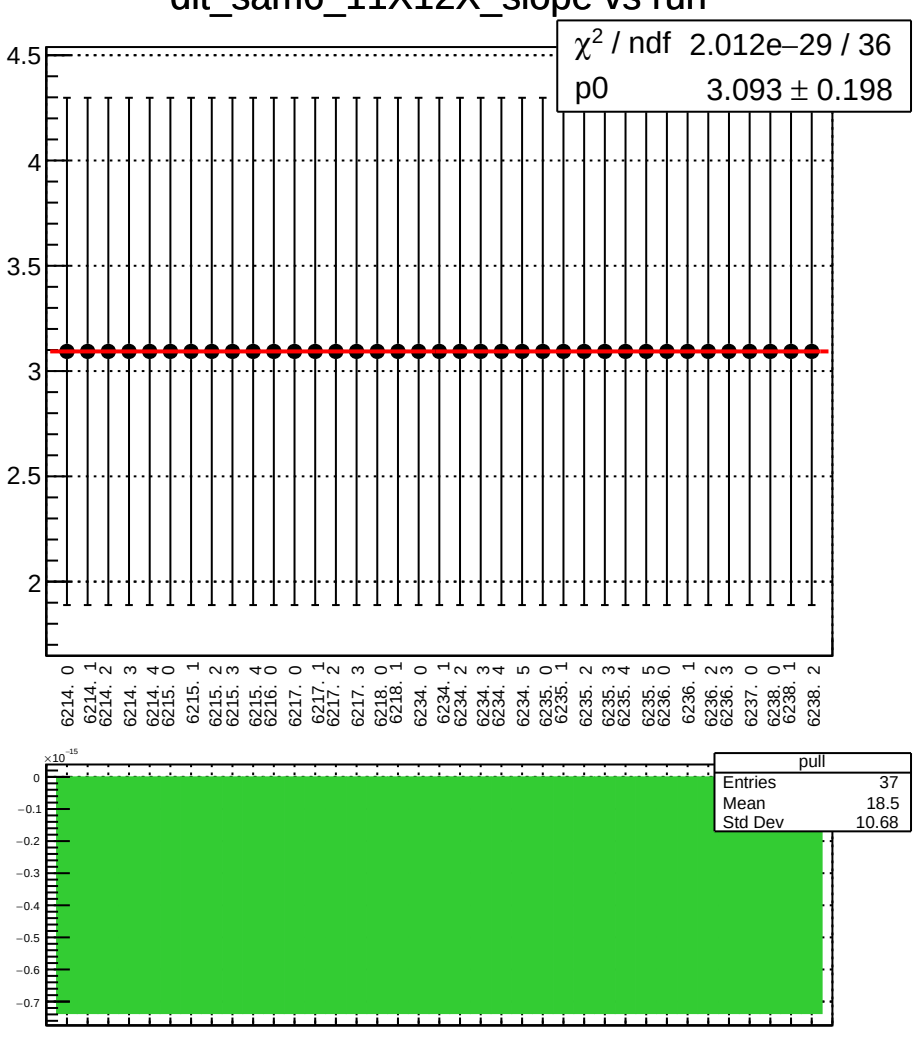

pull1D
Entries 37
Mean −6.714e−14
Std Dev2.396e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

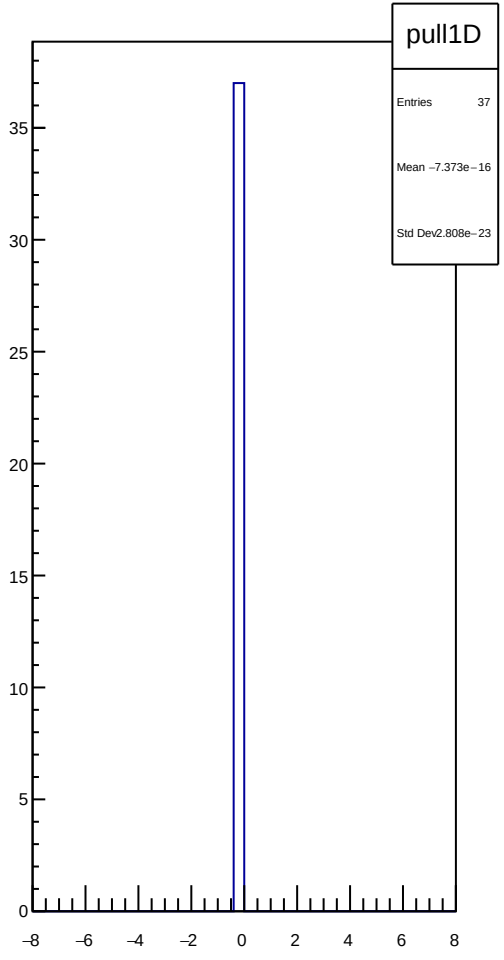

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.383e−25 / 36
p0 119.4 ± 0.2675
121
120.5
120
119.5
119
118.5
118
117.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 6.114e−14
Std Dev1.894e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

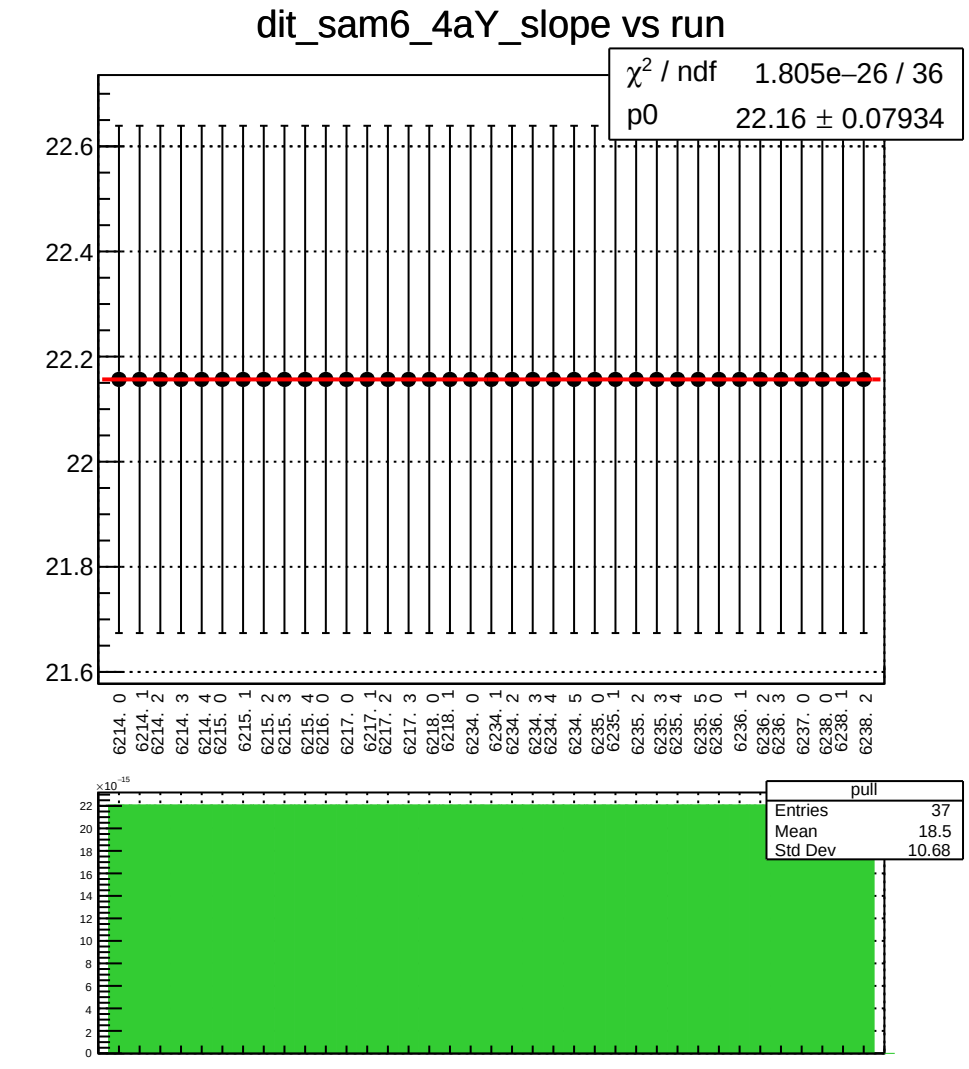

dit_sam6_4aX_slope vs run
χ² / ndf 1.267e−28 / 36
p0 29.06 ± 0.9469
34
32
30
28
26
24
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

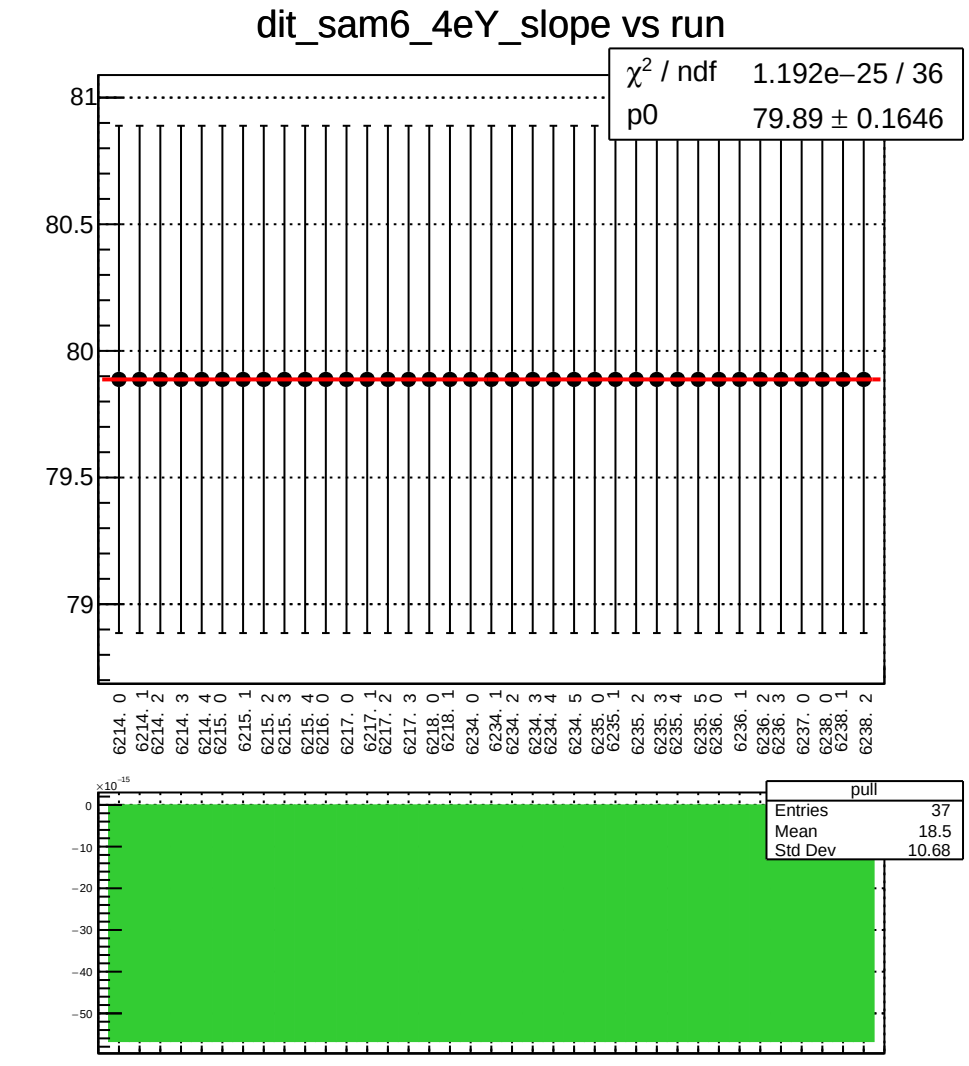

pull1D
Entries 37
Mean 1.851e−15
Std Dev4.585e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

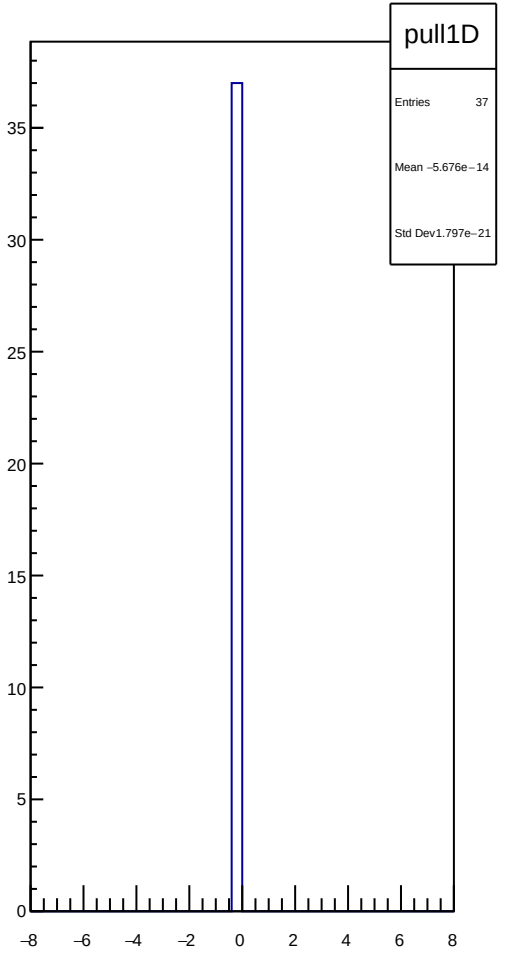

dit_sam6_4eX_slope vs run
χ² / ndf 1.041e−27 / 36
p0 28.17 ± 0.8808
34
32
30
28
26
24
22
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 5.305e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

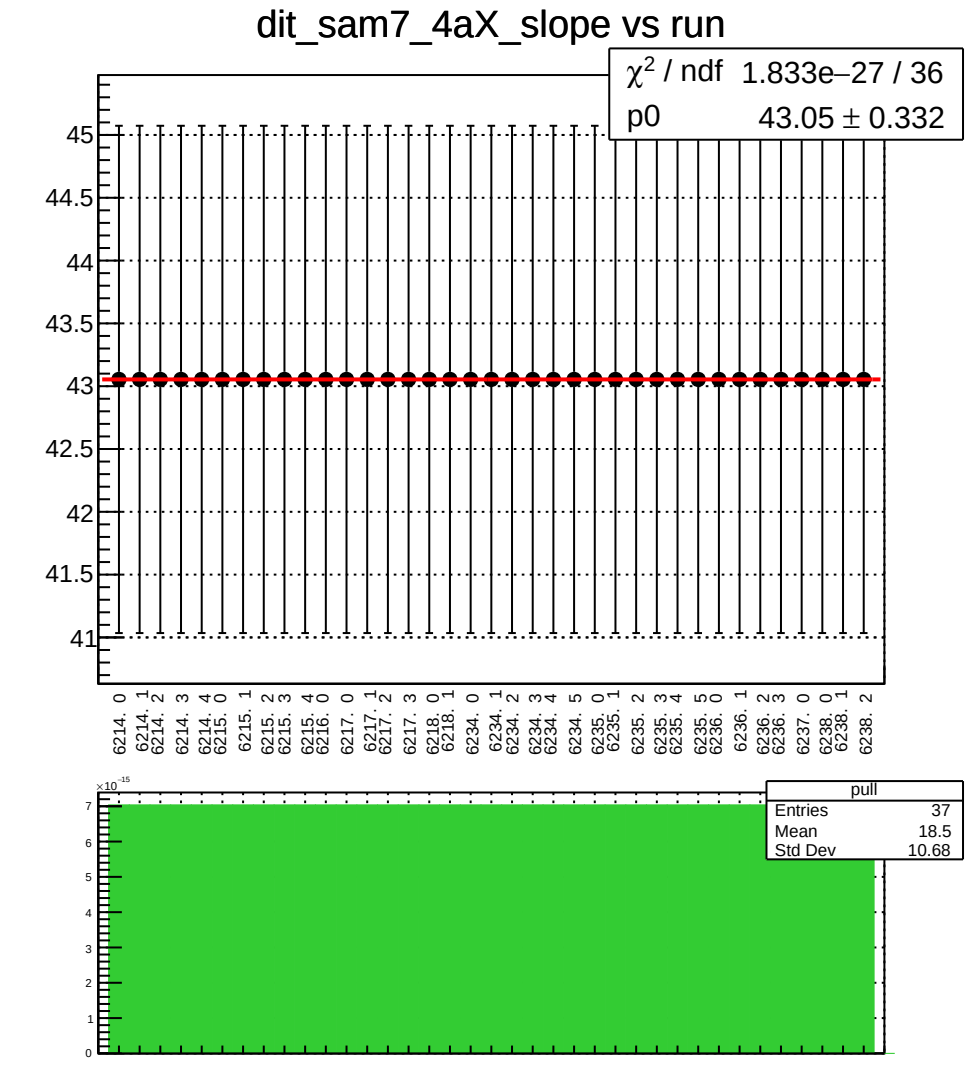

dit_sam6_11X12X_slope vs run
χ² / ndf 2.012e−29 / 36
p0 3.093 ± 0.198
4.5
4
3.5
3
2.5
2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull
Entries 37
Mean 18.5
Std Dev 10.68

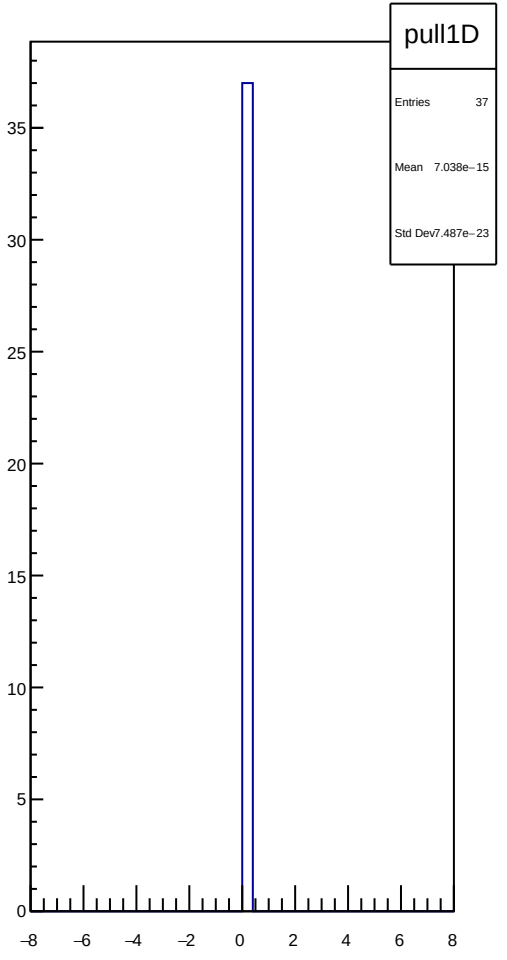

pull1D
Entries 37
Mean −7.373e−16
Std Dev2.808e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

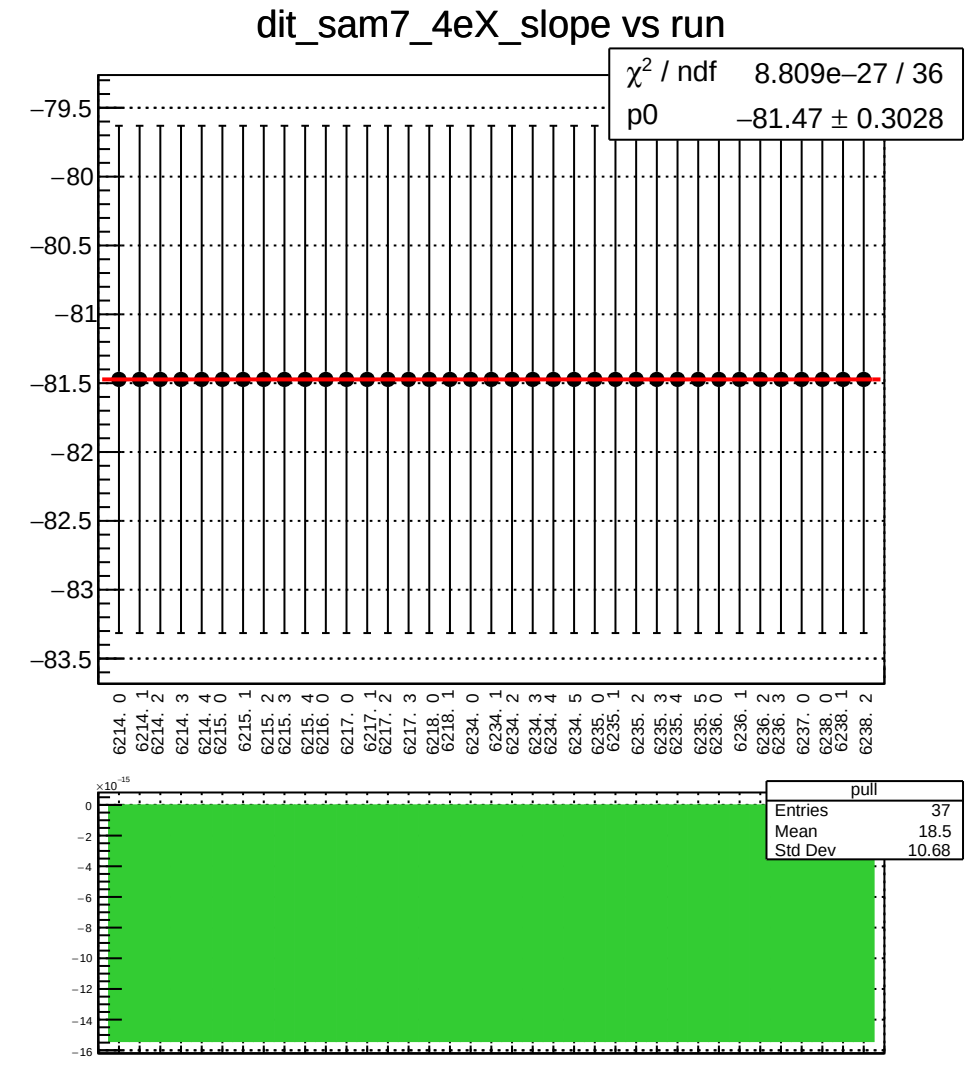

dit_sam6_4aY_slope vs run
χ² / ndf 1.805e−26 / 36
p0 22.16 ± 0.07934
22.6
22.4
22.2
22
21.8
21.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean 2.209e−14
Std Dev 8.47e−22

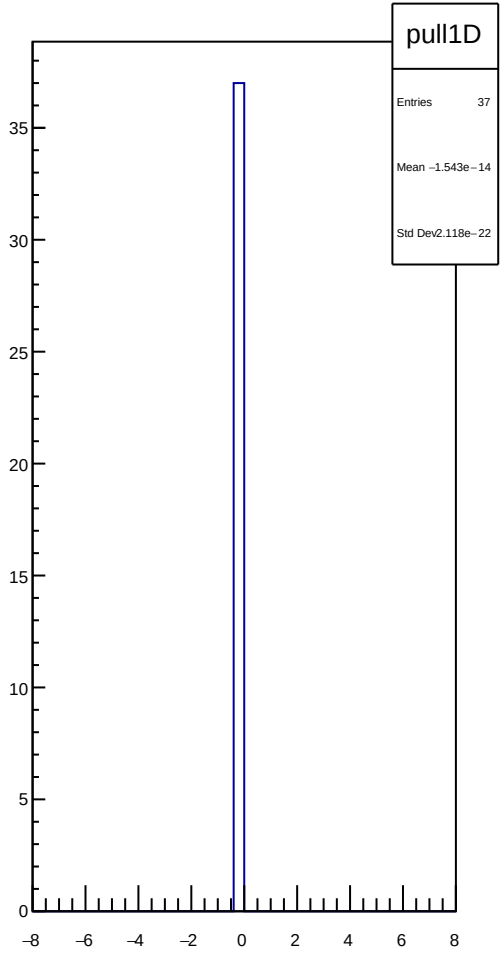

dit_sam6_4eY_slope vs run
χ² / ndf 1.192e−25 / 36
p0 79.89 ± 0.1646
81
80.5
80
79.5
79
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 37
Mean 18.5
Std Dev 10.68

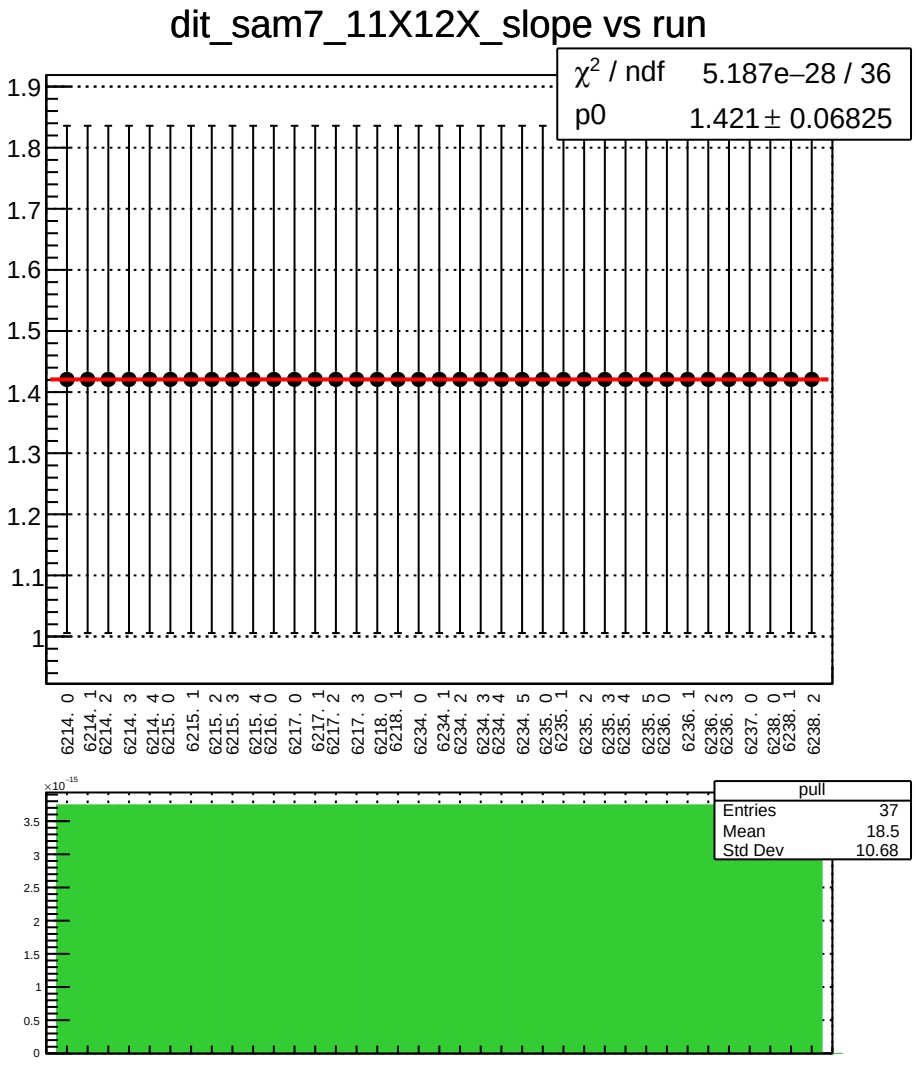

pull1D
Entries 37
Mean −5.676e−14
Std Dev1.797e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

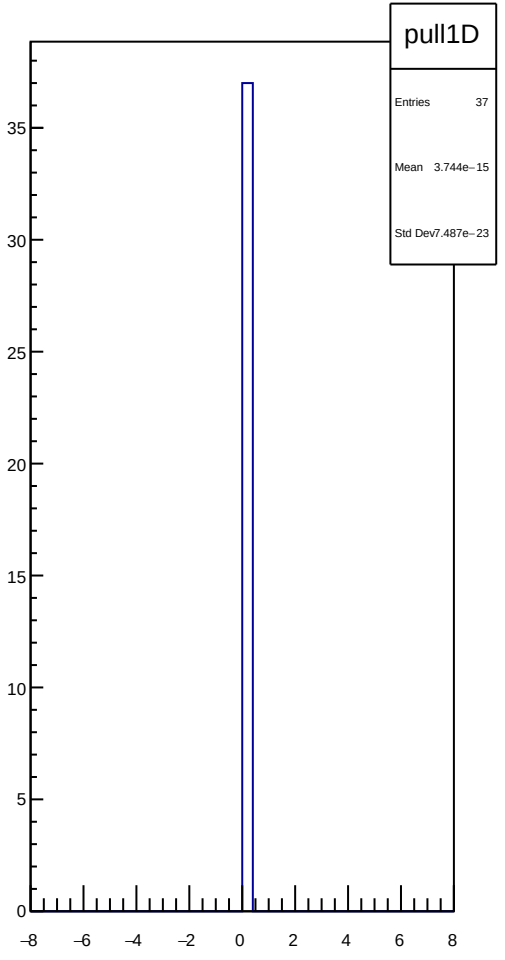

dit_sam7_4aX_slope vs run
χ² / ndf 1.833e−27 / 36
p0 43.05 ± 0.332
45
44.5
44
43.5
43
42.5
42
41.5
41
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

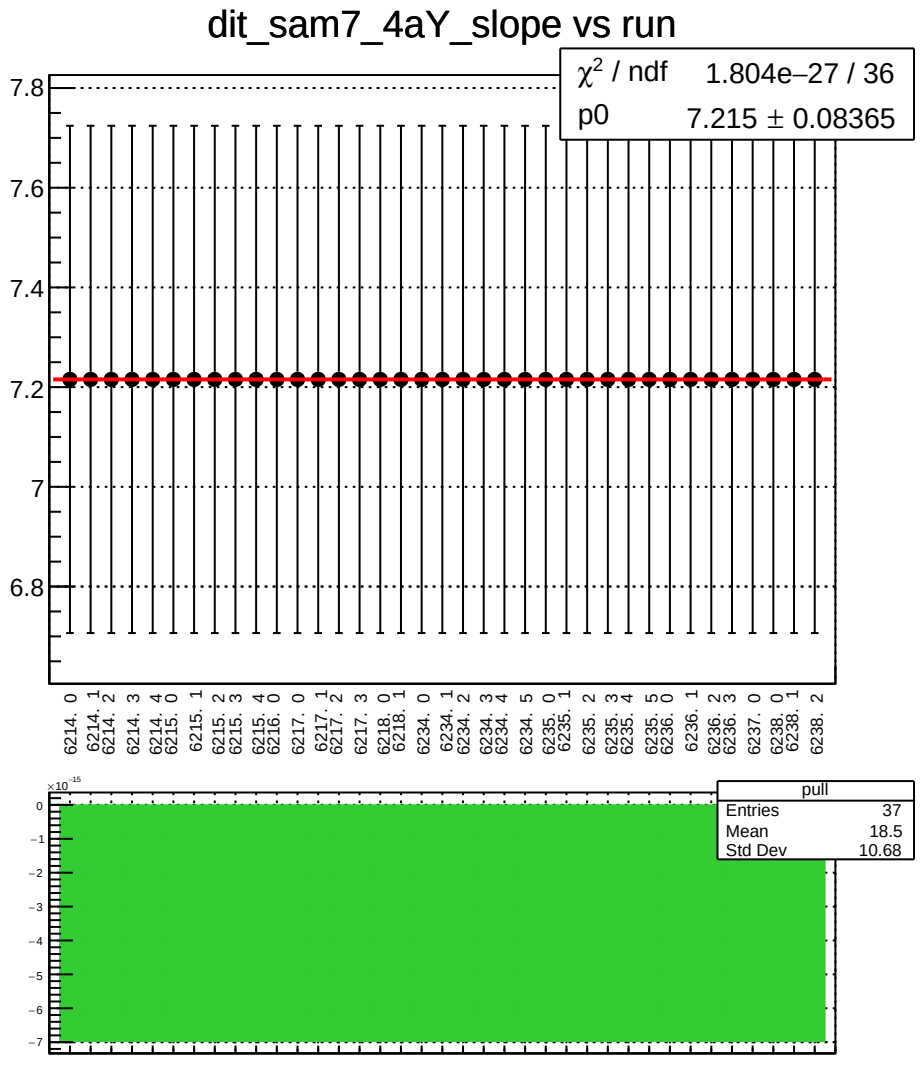

pull1D
Entries 37
Mean 7.038e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

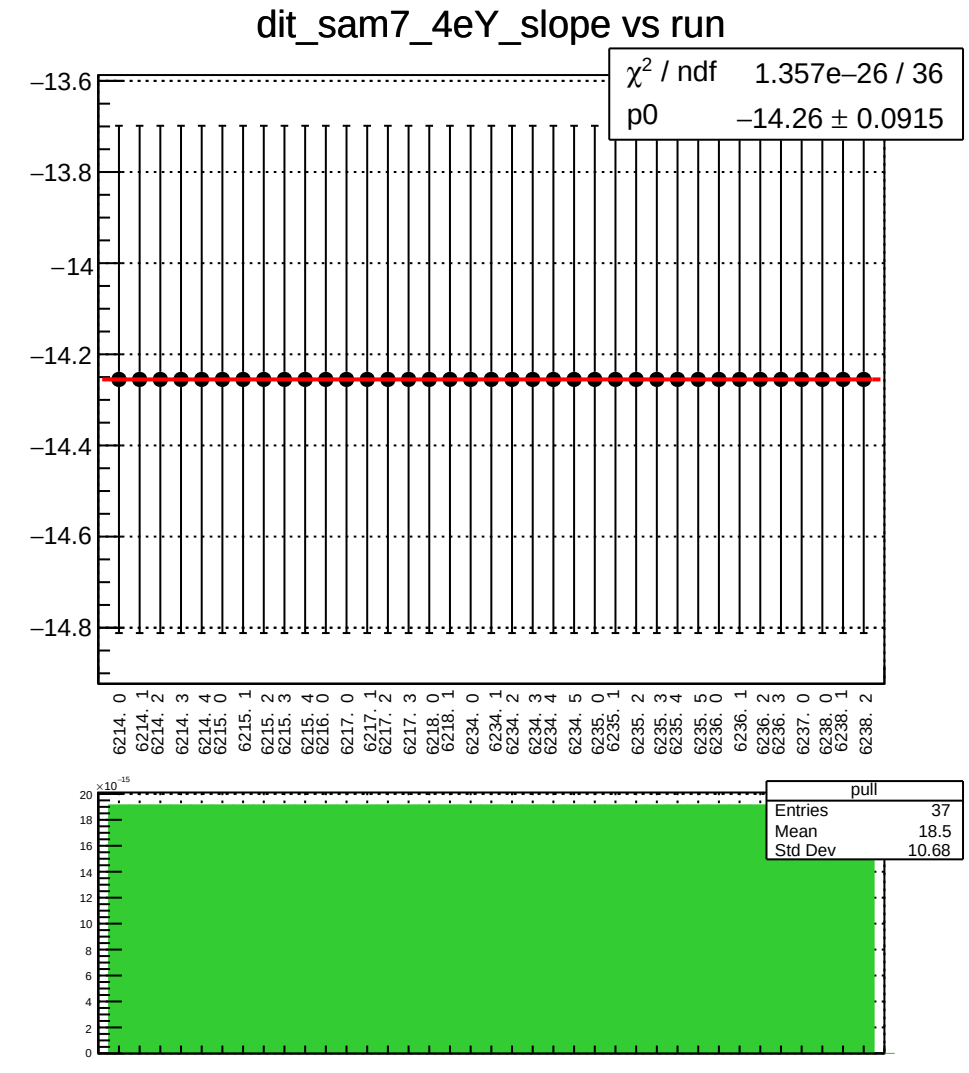

dit_sam7_4eX_slope vs run
χ² / ndf 8.809e−27 / 36
p0 −81.47 ± 0.3028
−79.5
−80
−80.5
−81
−81.5
−82
−82.5
−83
−83.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 37
Mean 18.5
Std Dev 10.68

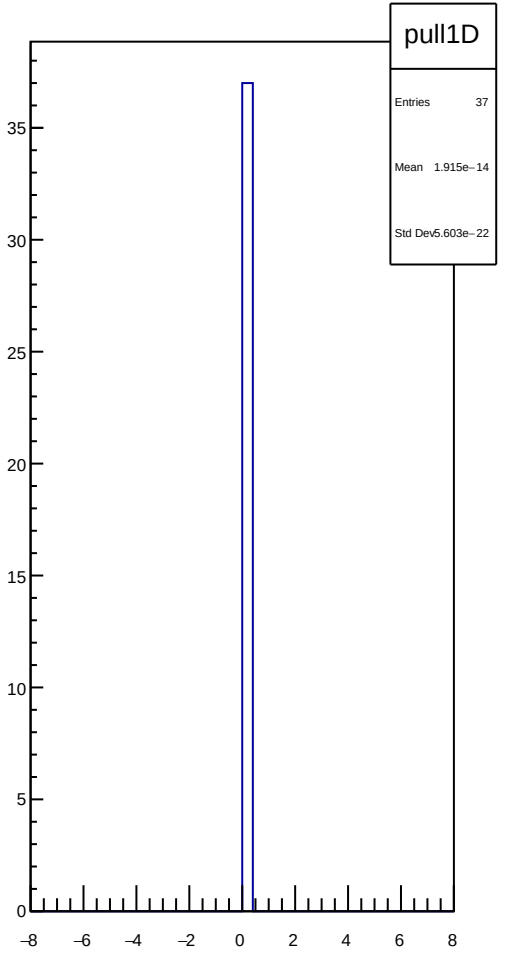

pull1D
Entries 37
Mean −1.543e−14
Std Dev2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

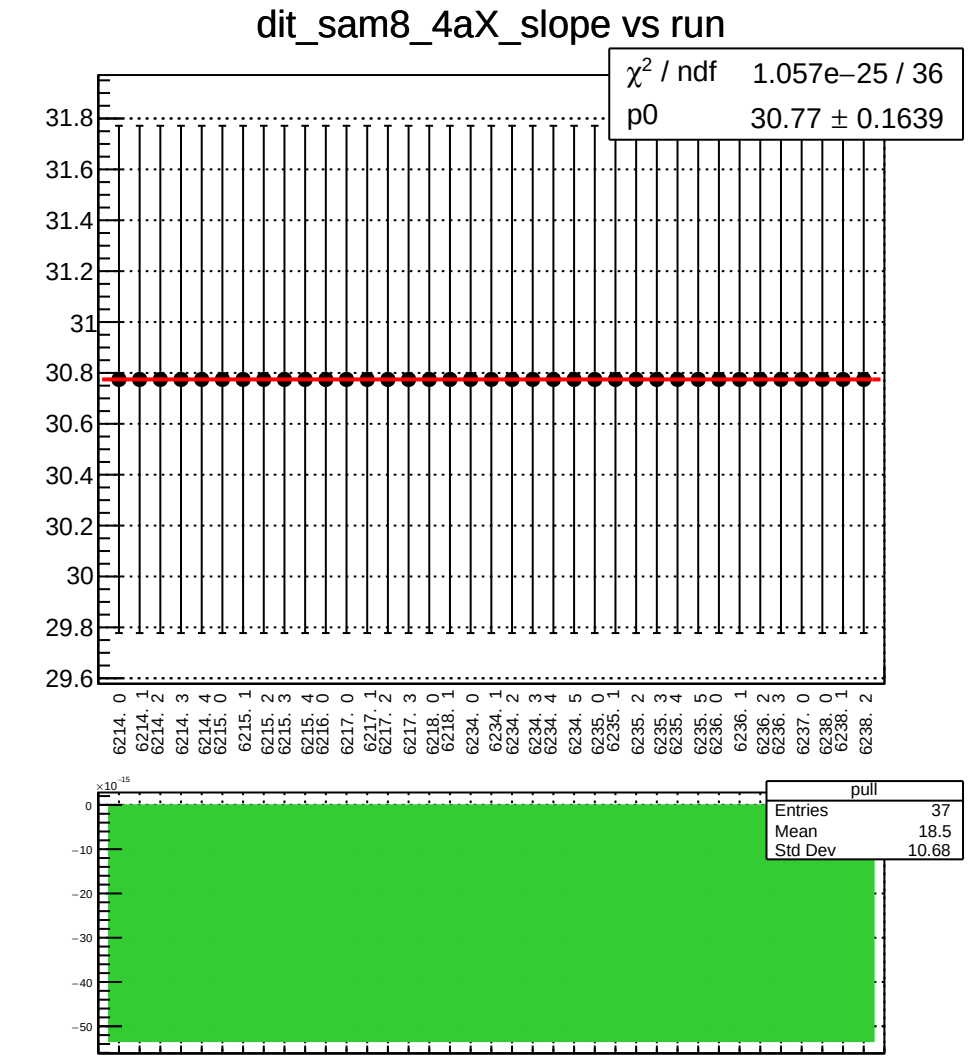

dit_sam7_11X12X_slope vs run
χ² / ndf 5.187e−28 / 36
p0 1.421 ± 0.06825
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

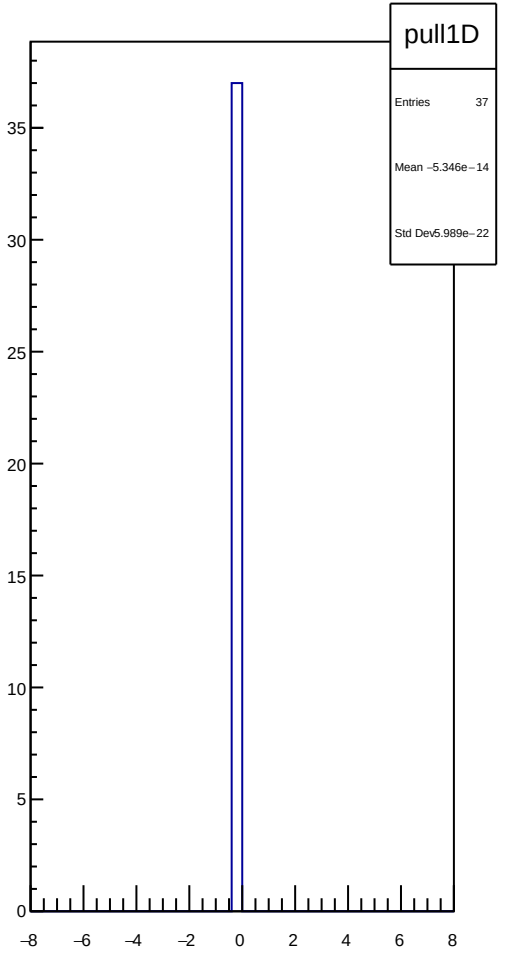

pull1D
Entries 37
Mean 3.744e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

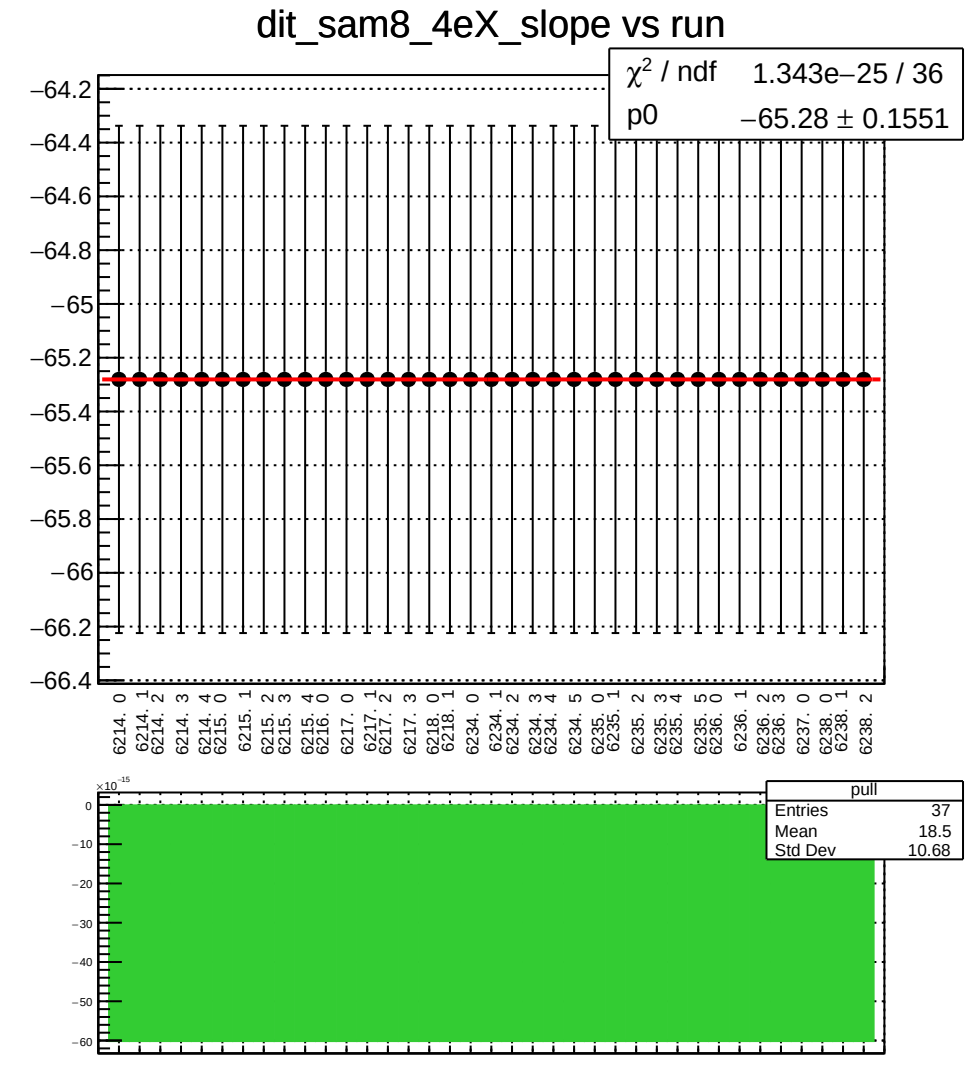

dit_sam7_4aY_slope vs run
χ² / ndf 1.804e−27 / 36
p0 7.215 ± 0.08365
7.8
7.6
7.4
7.2
7
6.8
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −6.982e−15
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

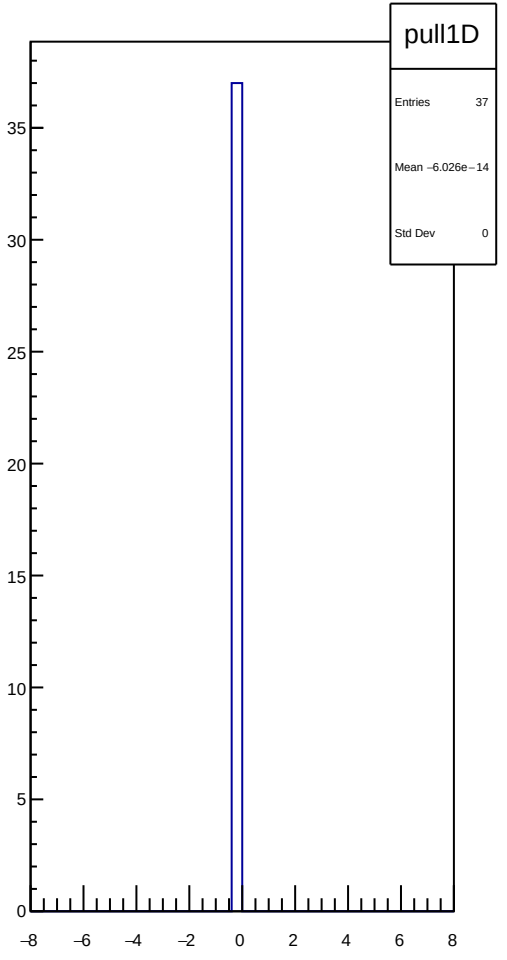

dit_sam7_4eY_slope vs run
χ² / ndf 1.357e−26 / 36
p0 −14.26 ± 0.0915
−13.6
−13.8
−14
−14.2
−14.4
−14.6
−14.8
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 37
Mean 18.5
Std Dev 10.68

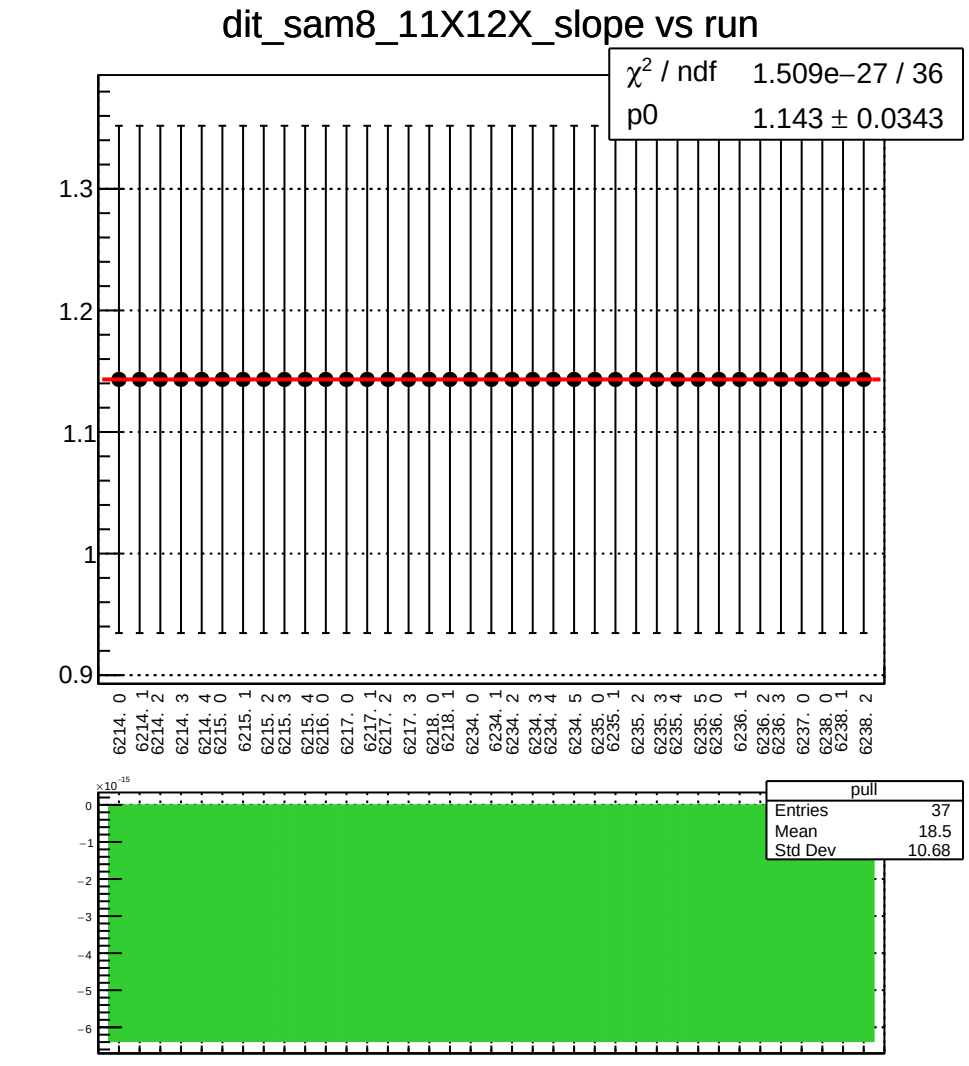

pull1D
Entries 37
Mean 1.915e−14
Std Dev5.603e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

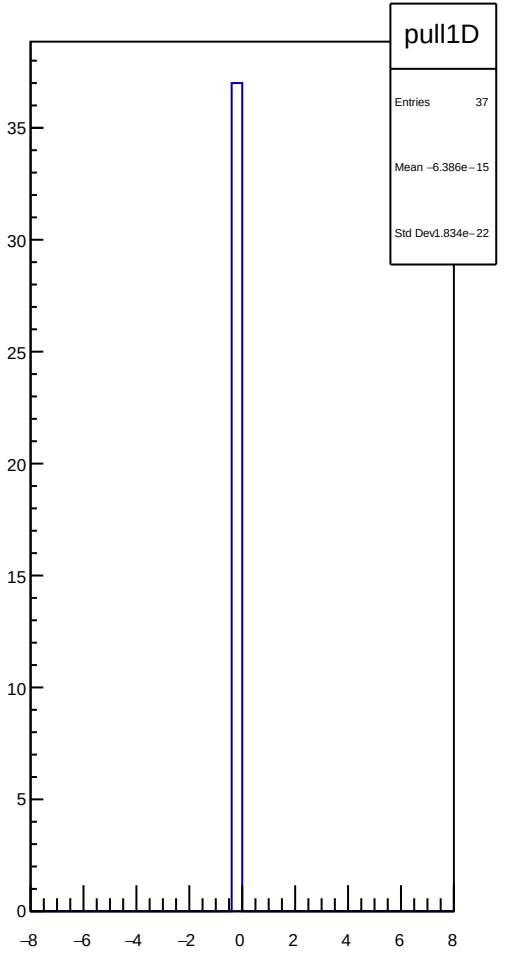

dit_sam8_4aX_slope vs run
χ² / ndf 1.057e−25 / 36
p0 30.77 ± 0.1639
31.8
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
30
29.8
29.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 37
Mean 18.5
Std Dev 10.68

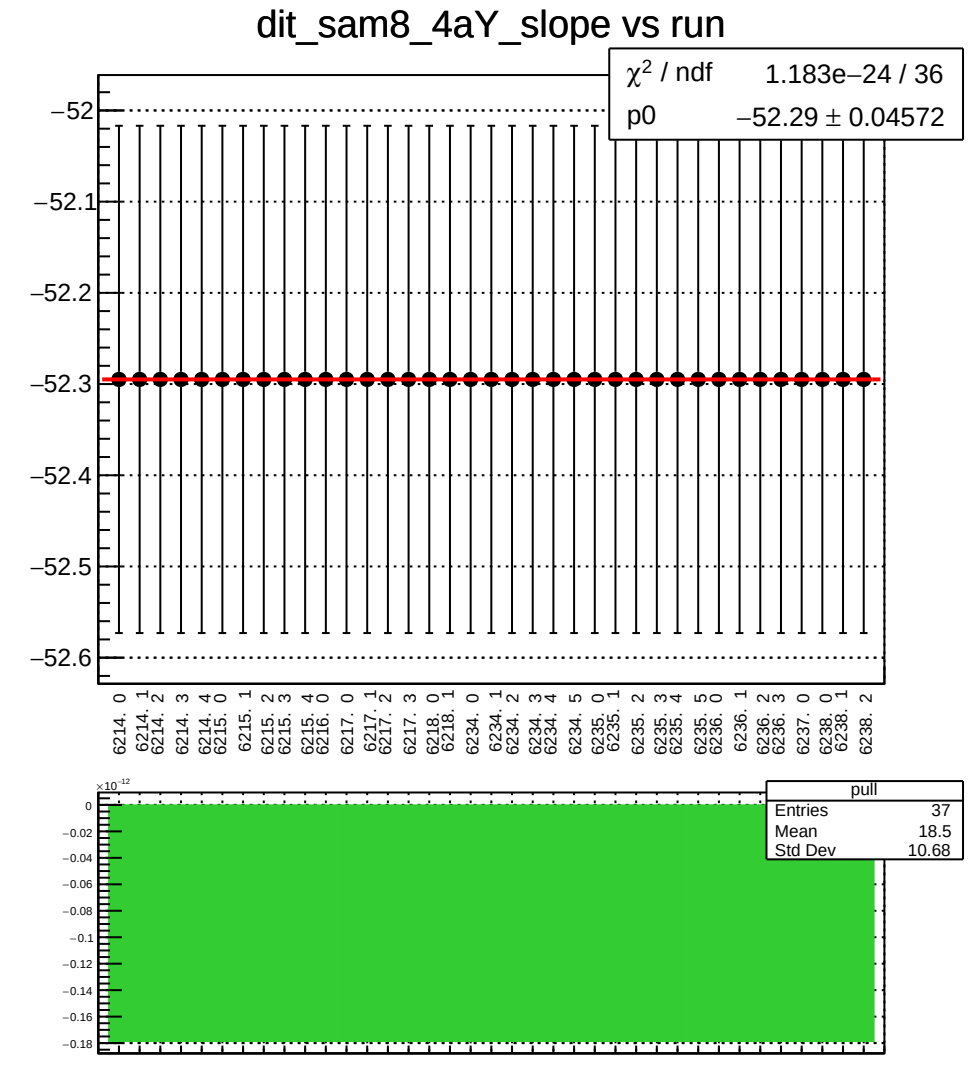

pull1D
Entries 37
Mean −5.346e−14
Std Dev5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

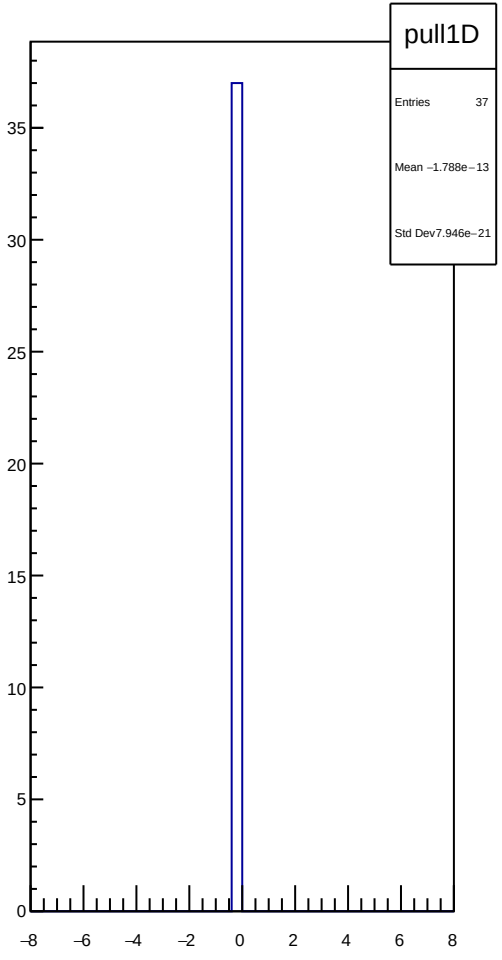

dit_sam8_4eX_slope vs run
χ² / ndf 1.343e−25 / 36
p0 −65.28 ± 0.1551
−64.2
−64.4
−64.6
−64.8
−65
−65.2
−65.4
−65.6
−65.8
−66
−66.2
−66.4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 37
Mean 18.5
Std Dev 10.68

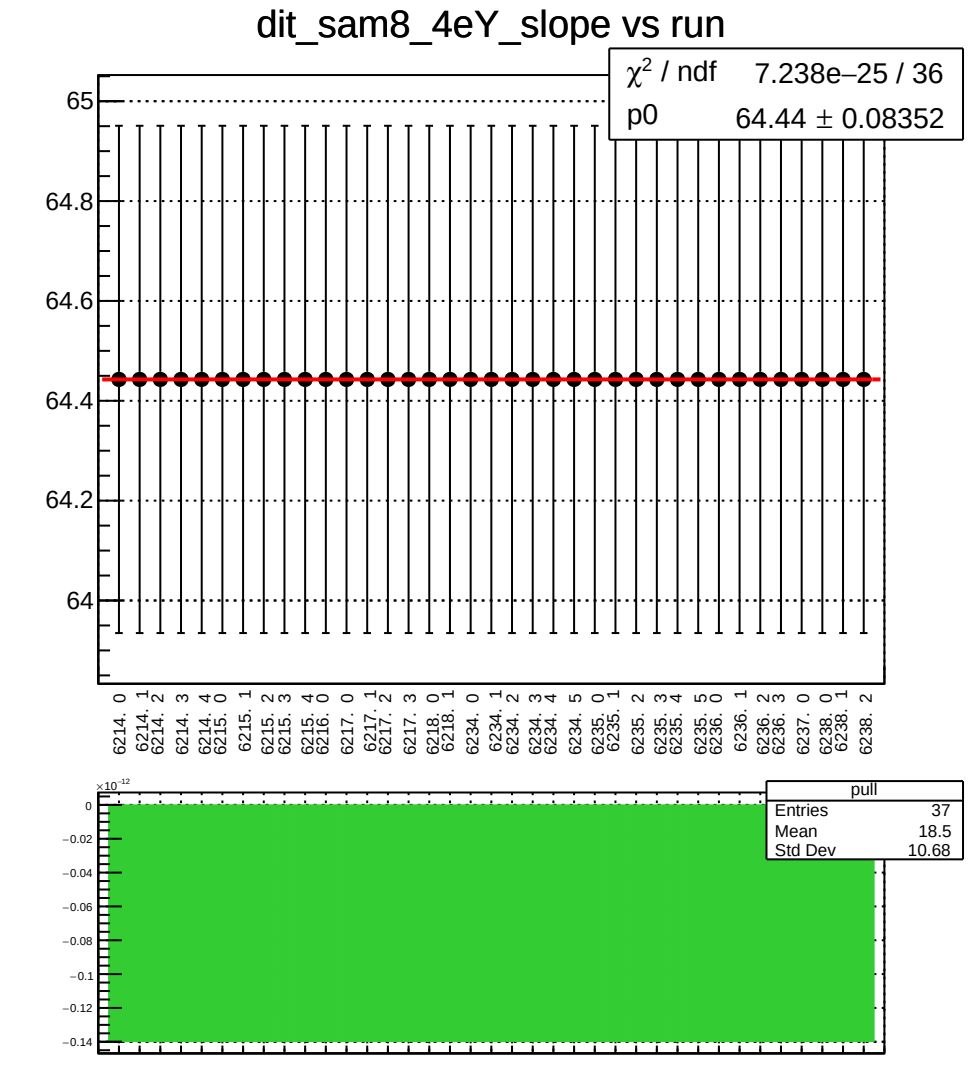

pull1D
Entries 37
Mean −6.026e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

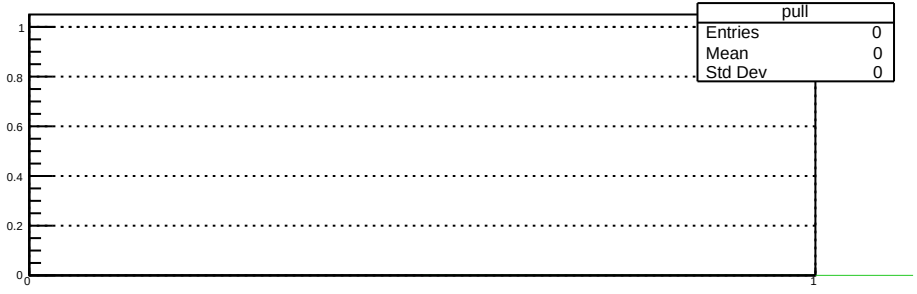

dit_sam8_11X12X_slope vs run
χ² / ndf 1.509e−27 / 36
p0 1.143 ± 0.0343
1.3
1.2
1.1
1
0.9
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 37
Mean 18.5
Std Dev 10.68

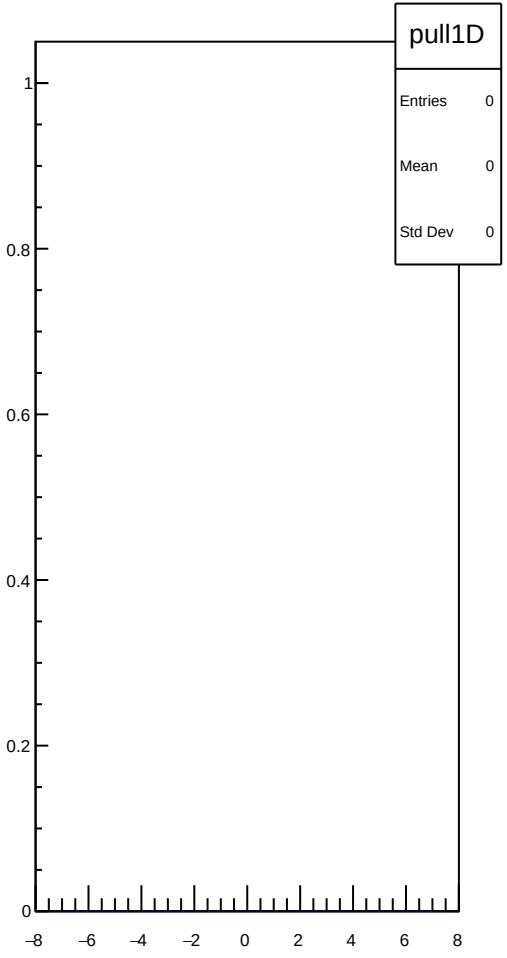

pull1D
Entries 37
Mean −6.386e−15
Std Dev1.834e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

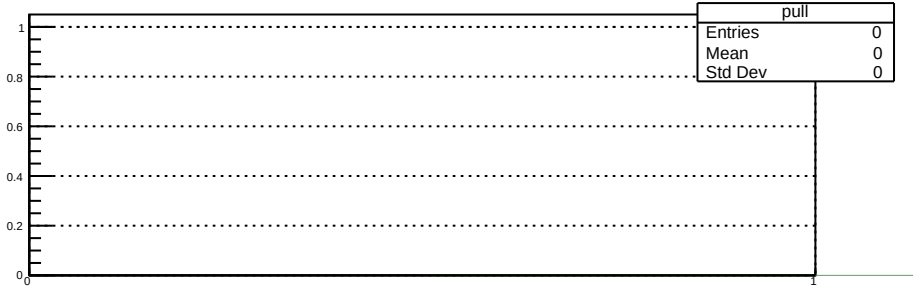

dit_sam8_4aY_slope vs run
χ² / ndf 1.183e−24 / 36
p0 −52.29 ± 0.04572
−52
−52.1
−52.2
−52.3
−52.4
−52.5
−52.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 37
Mean 18.5
Std Dev 10.68

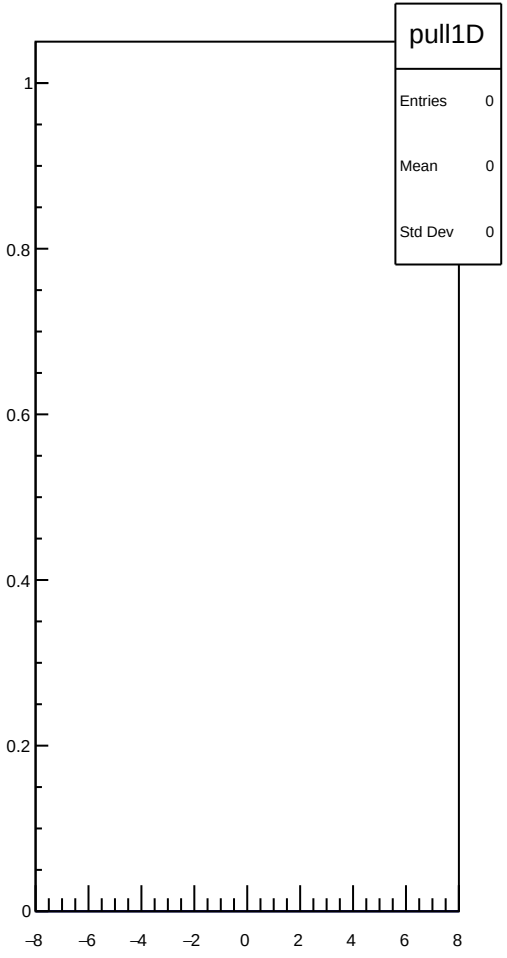

pull1D
Entries 37
Mean −1.788e−13
Std Dev7.946e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

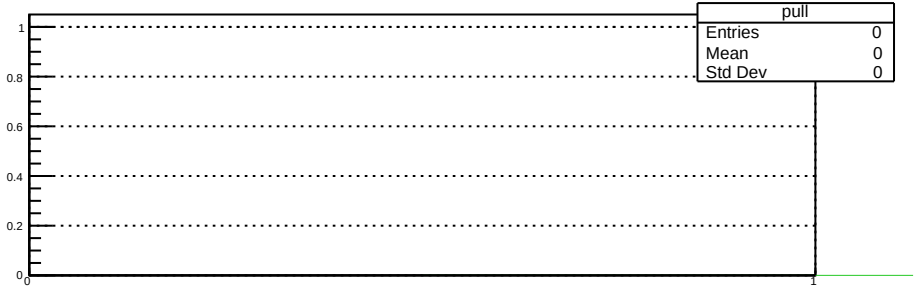

dit_sam8_4eY_slope vs run
χ² / ndf 7.238e−25 / 36
p0 64.44 ± 0.08352
65
64.8
64.6
64.4
64.2
64
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
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6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
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pull
Entries 37
Mean 18.5
Std Dev 10.68
pull1D
Entries 37
Mean −1.399e−13
Std Dev1.694e−21
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20
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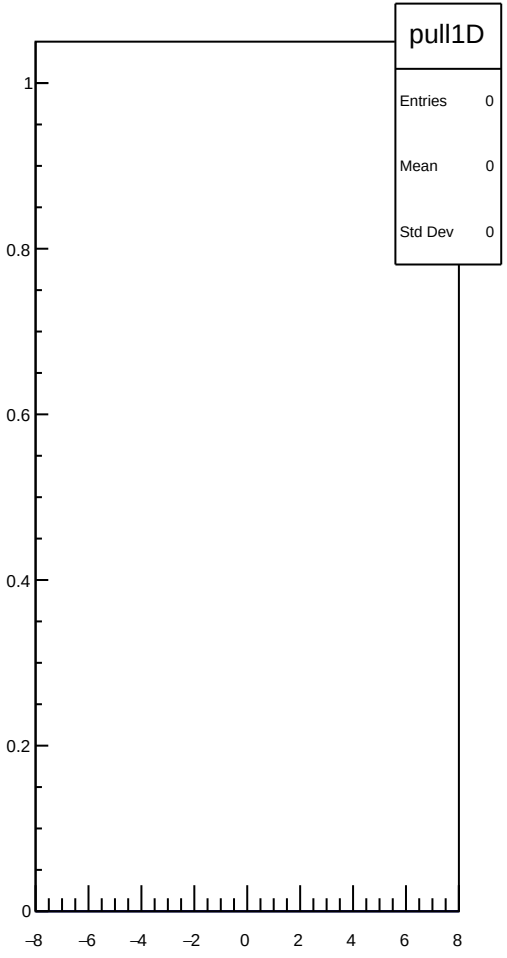

pull
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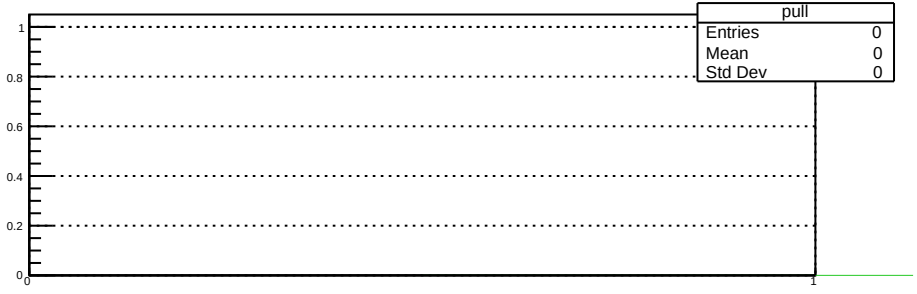

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Std Dev 0
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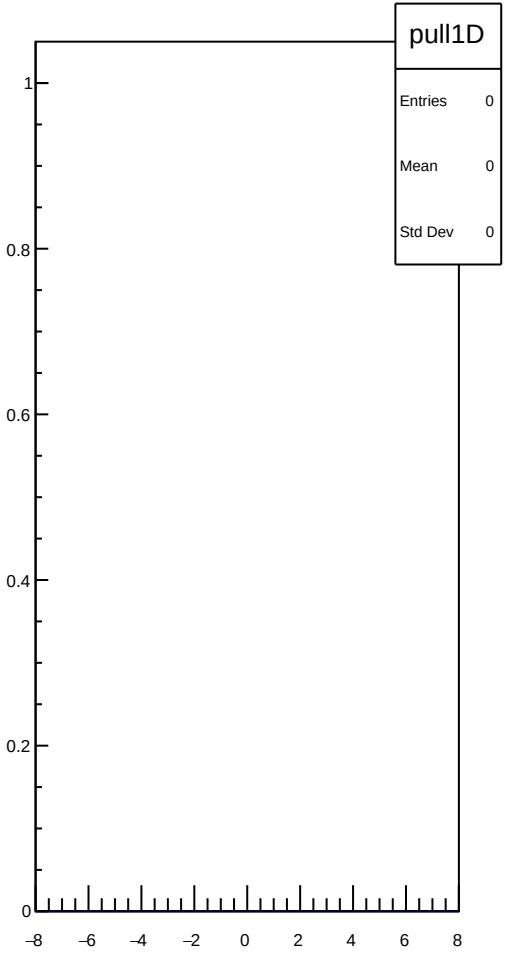

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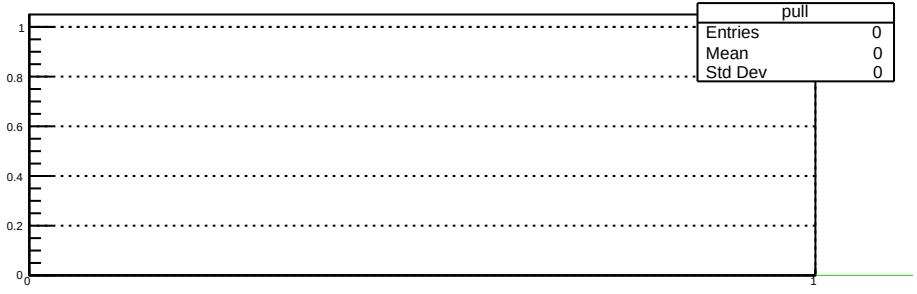

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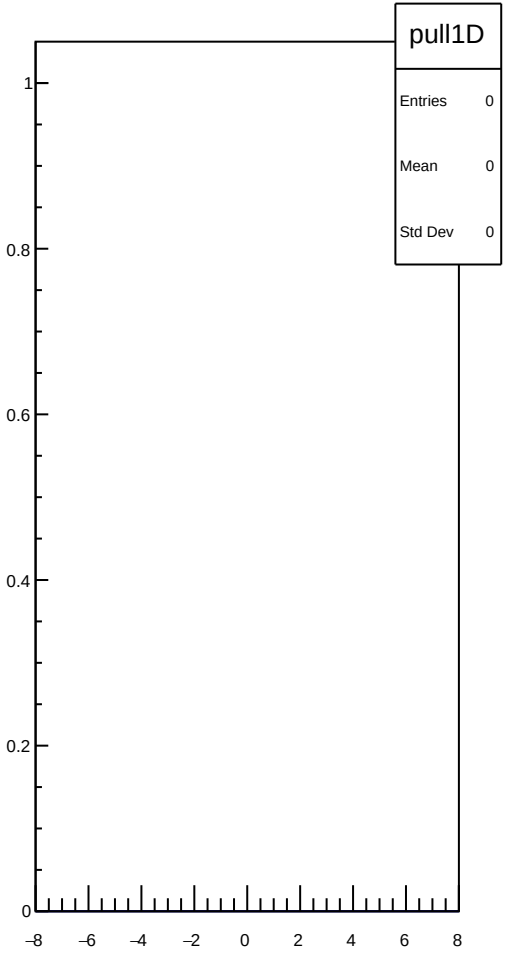

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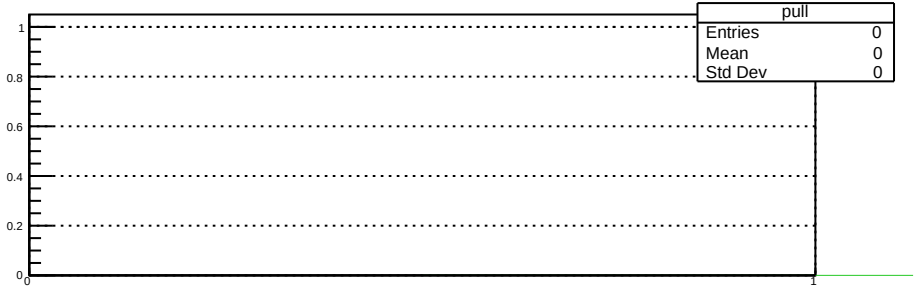

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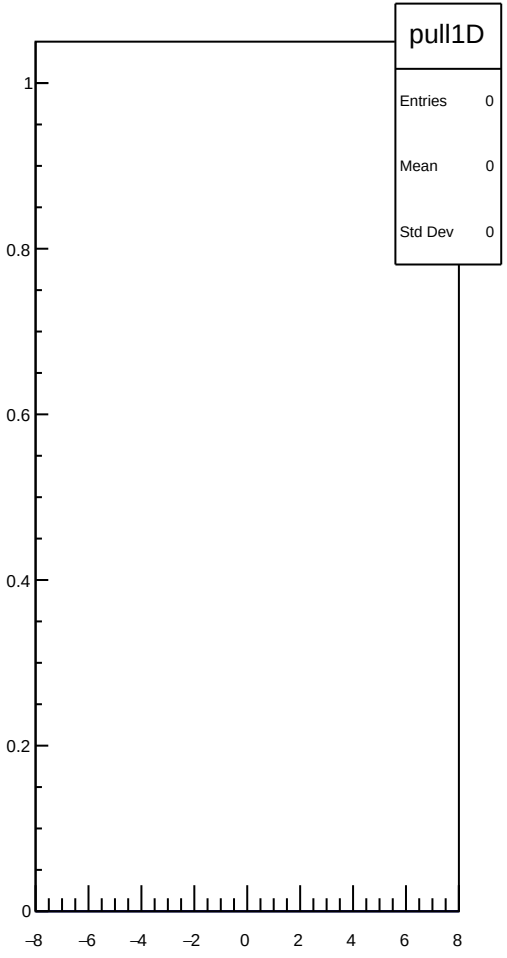

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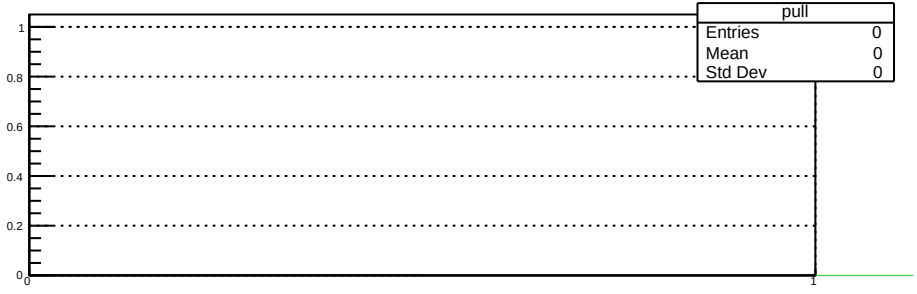

pull1D
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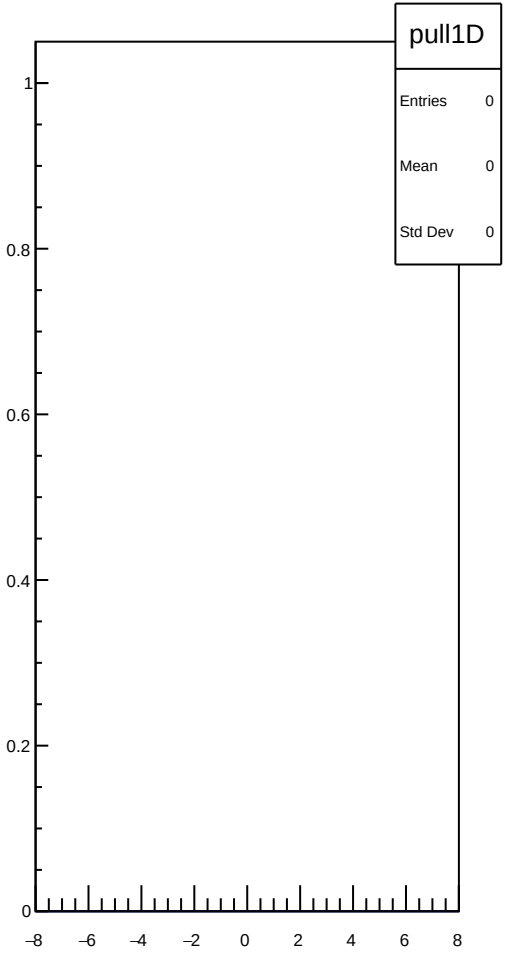

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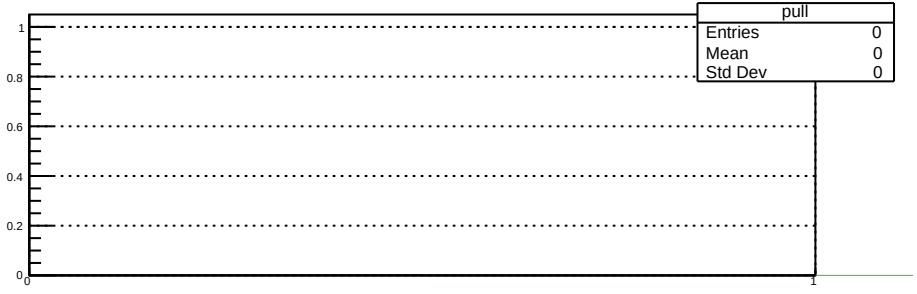

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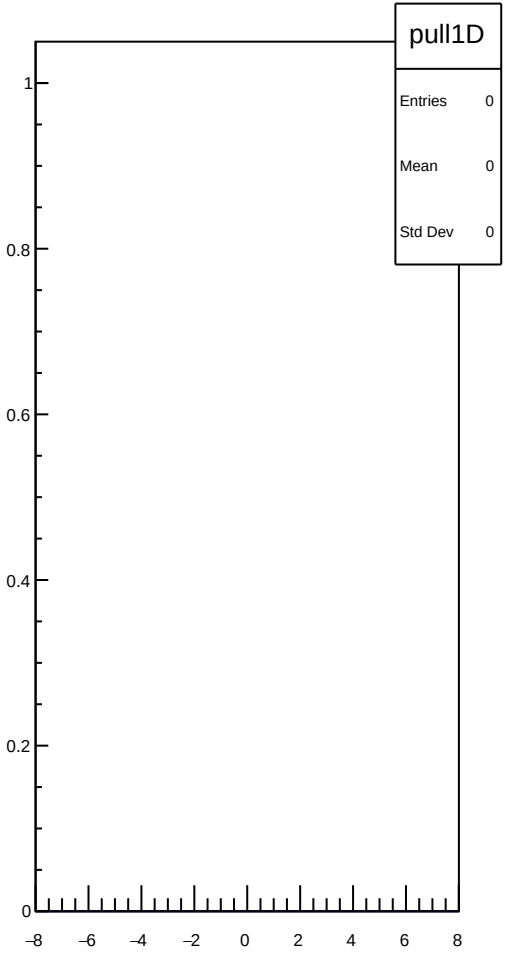

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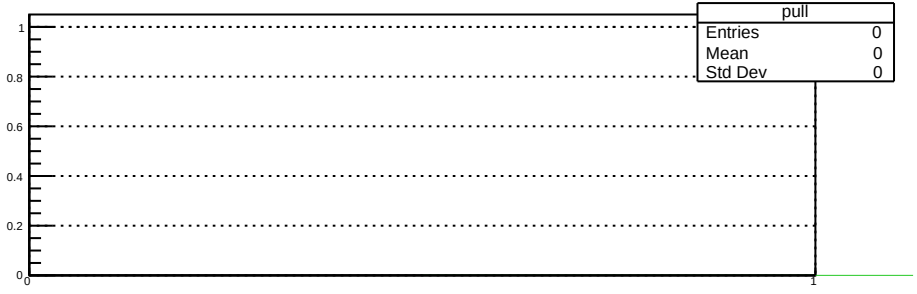

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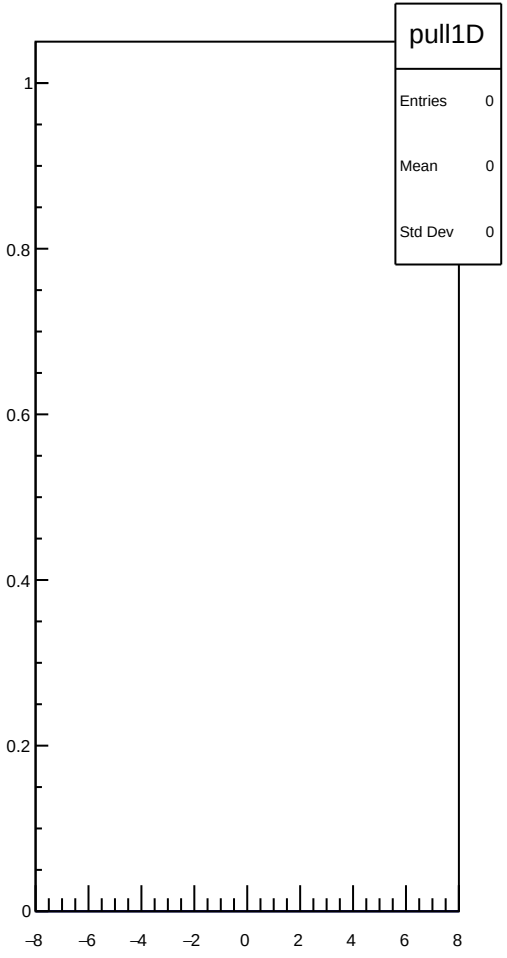

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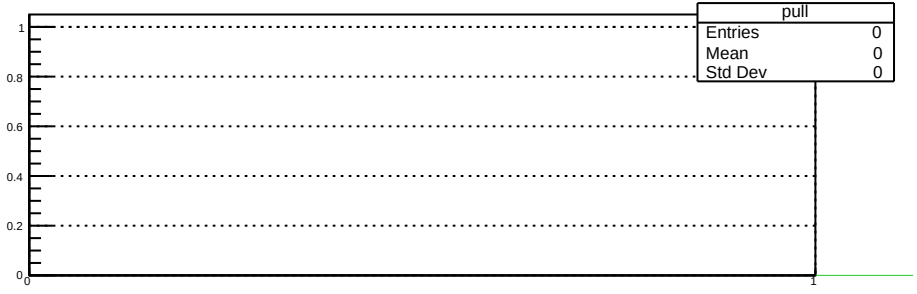

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Mean 0
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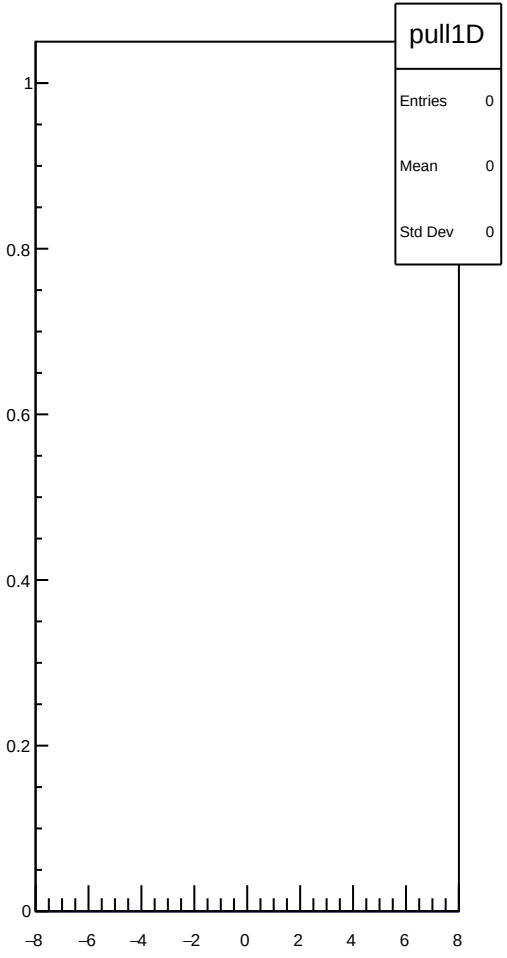

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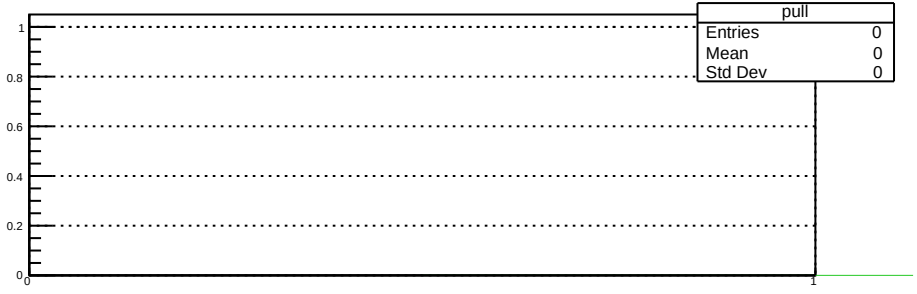

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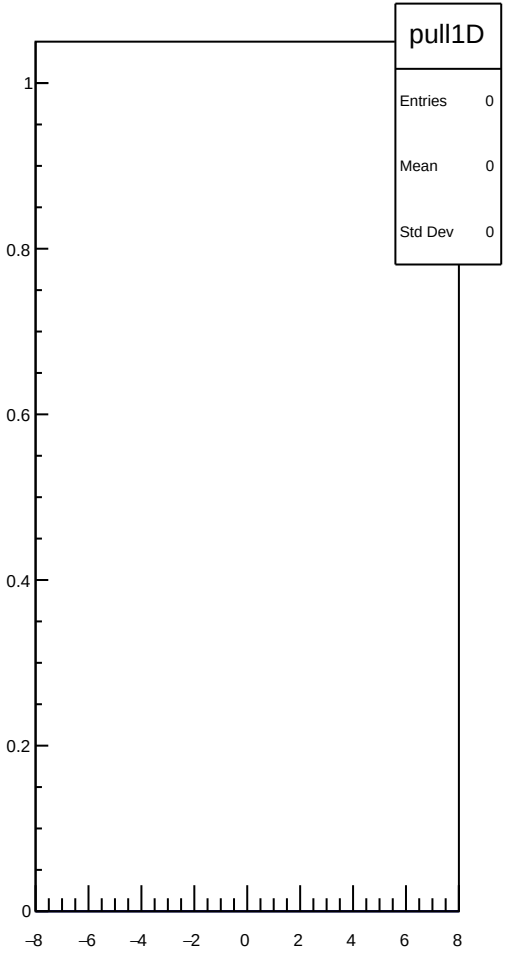

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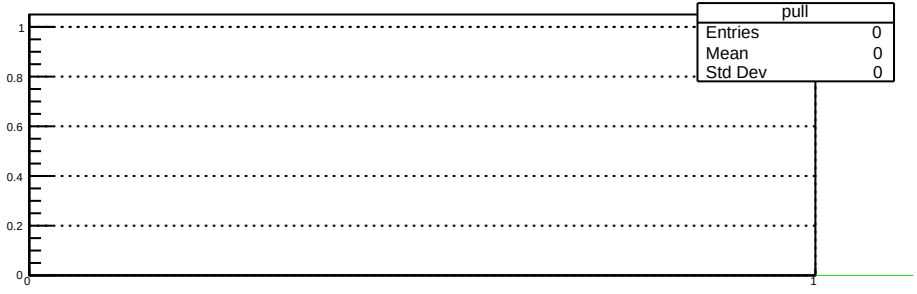

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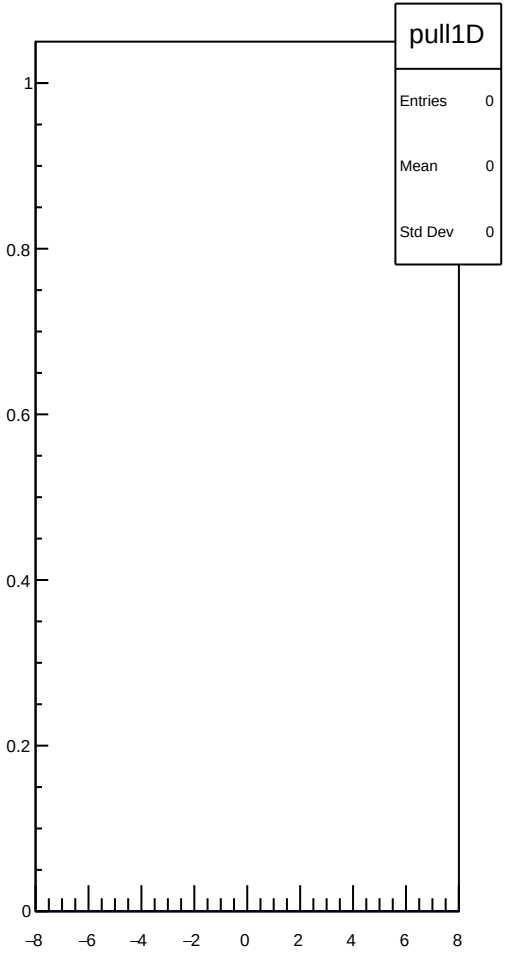

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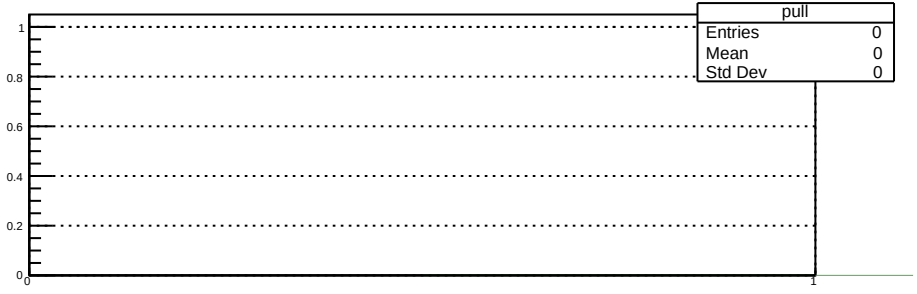

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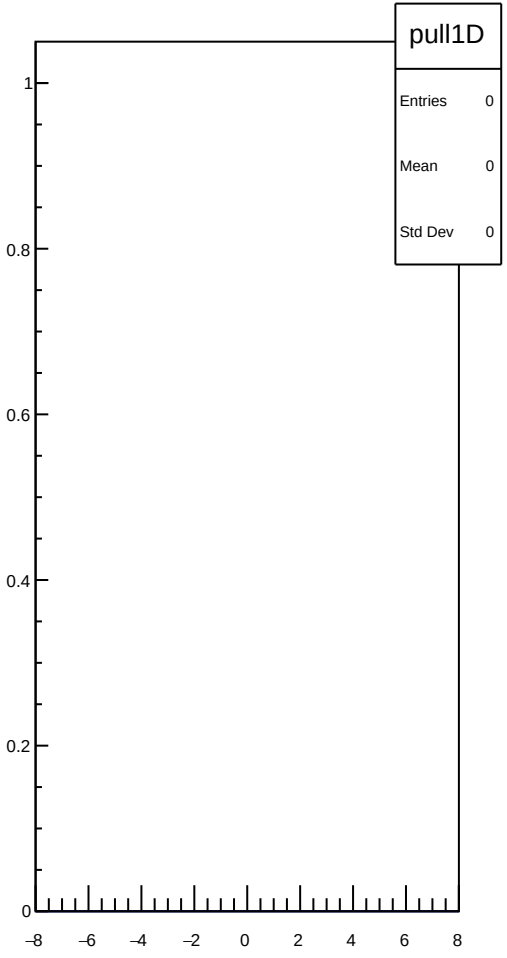

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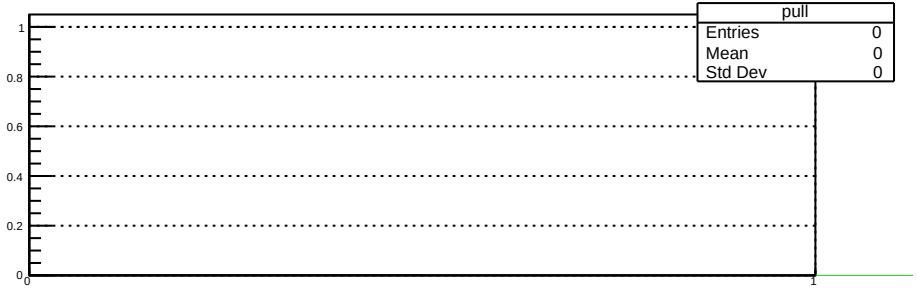

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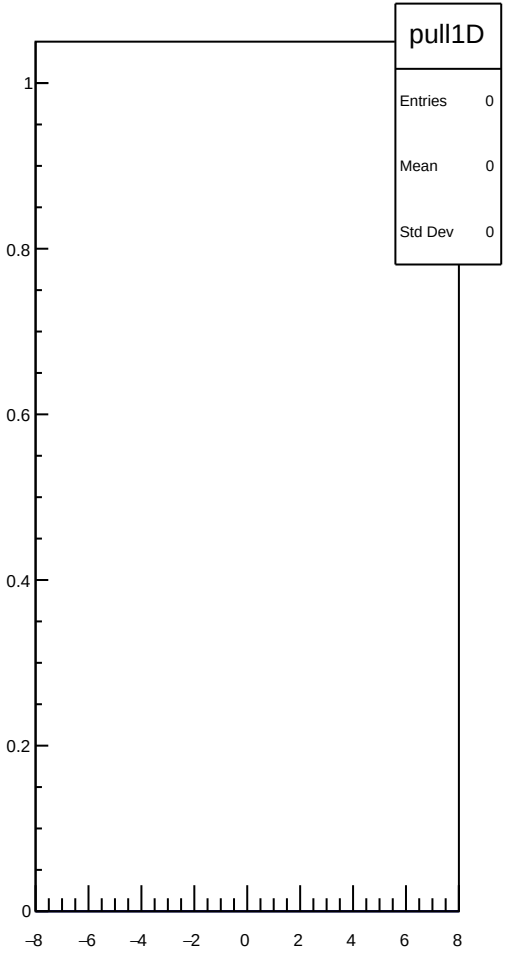

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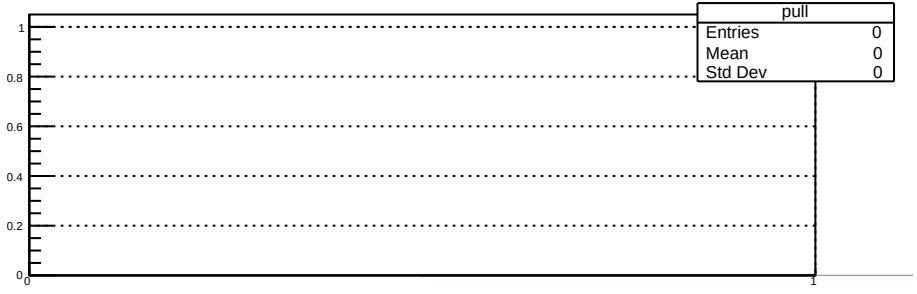

pull1D
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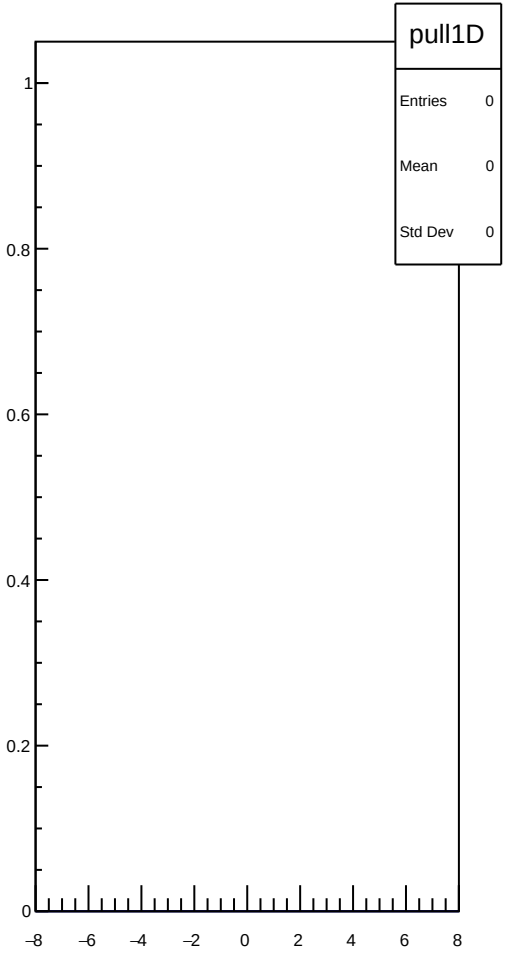

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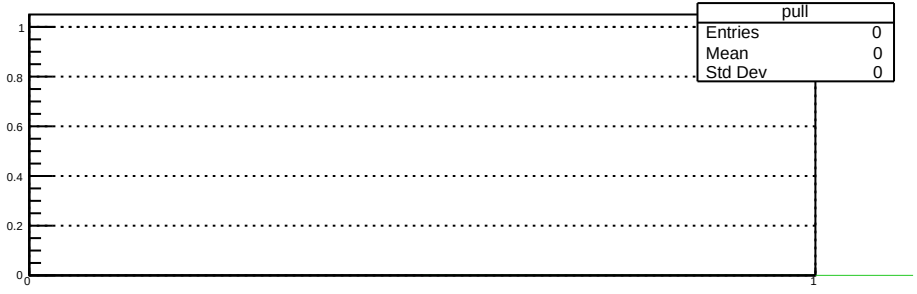

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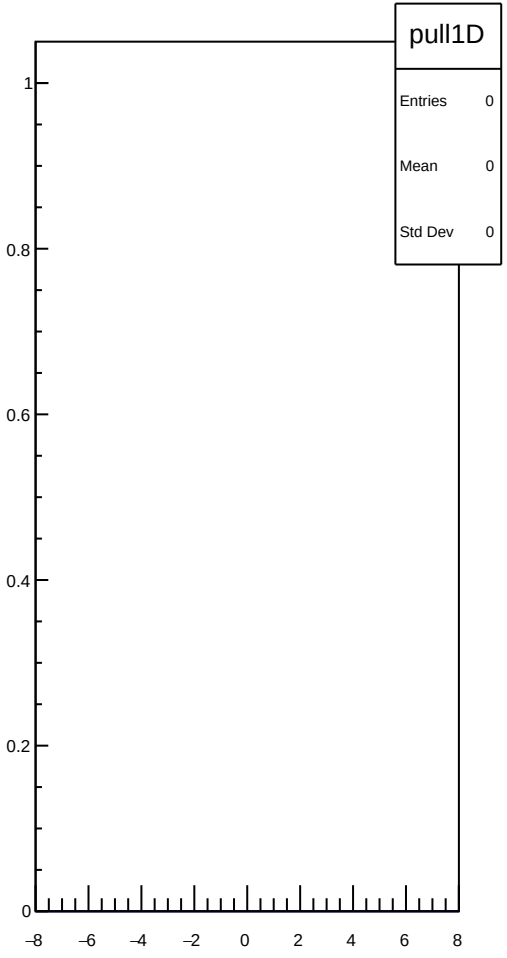

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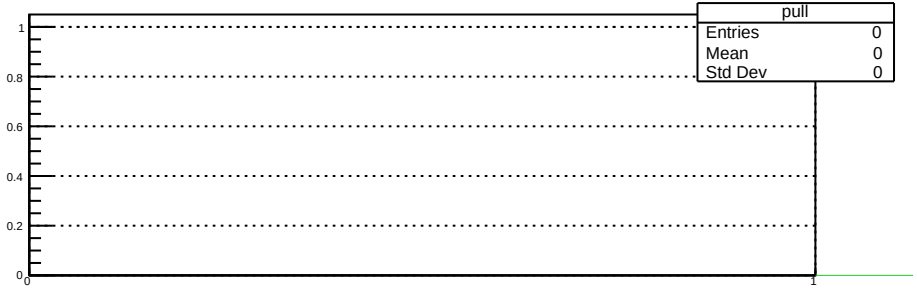

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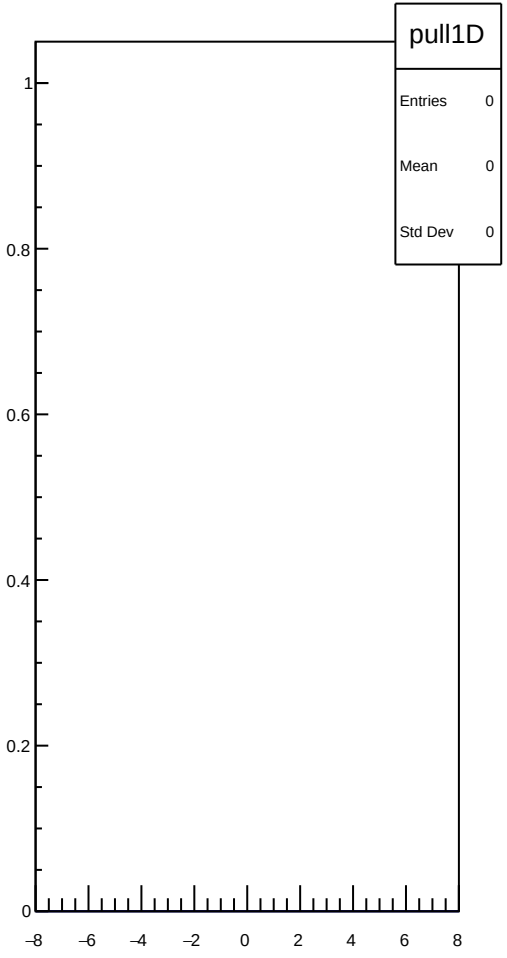

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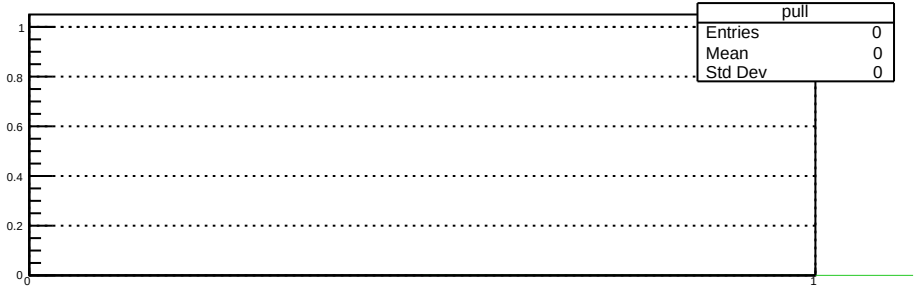

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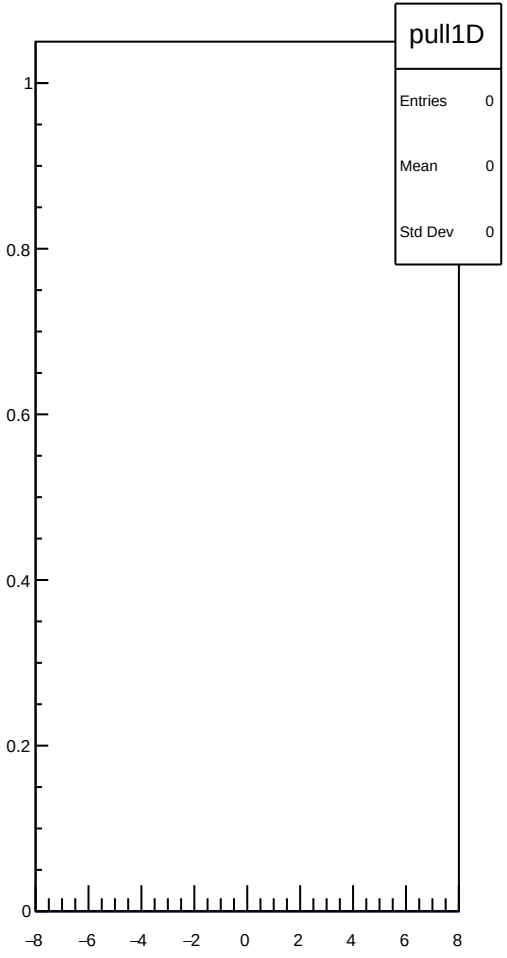

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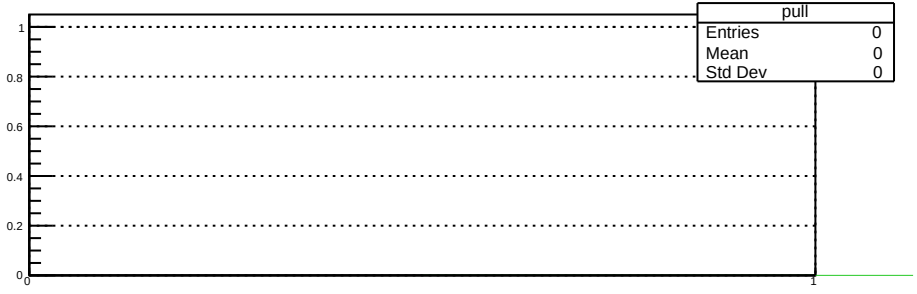

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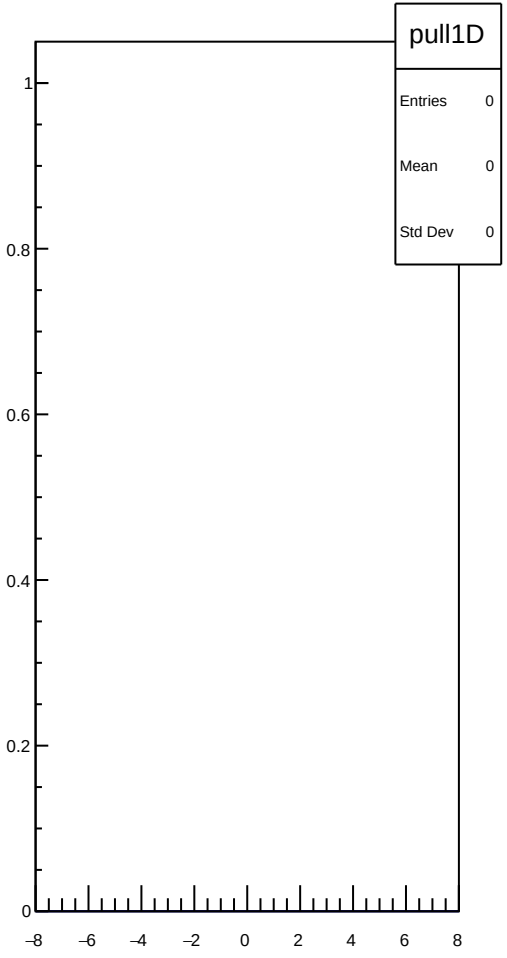

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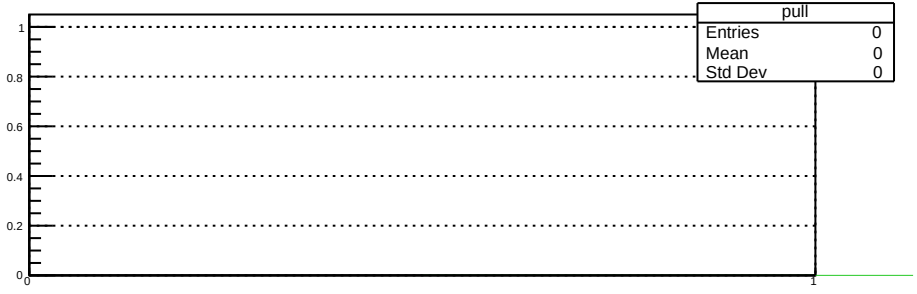

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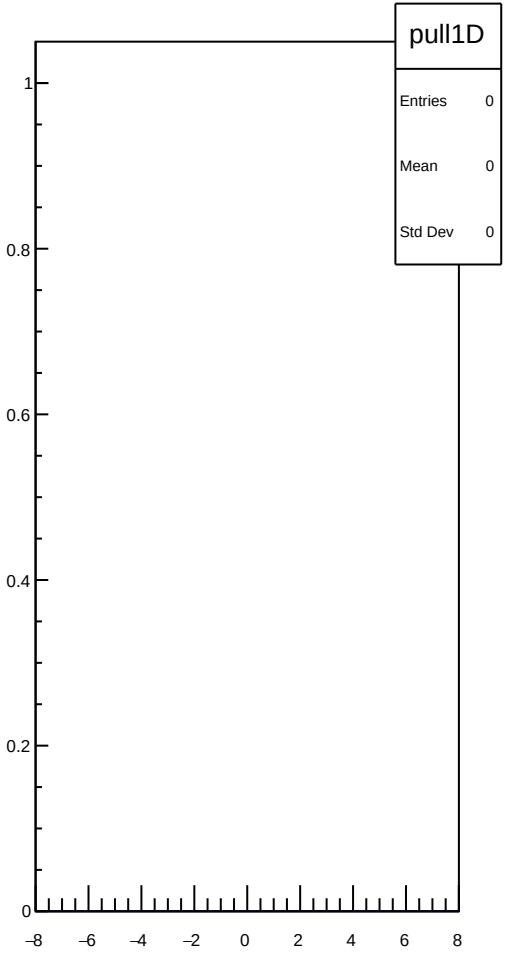

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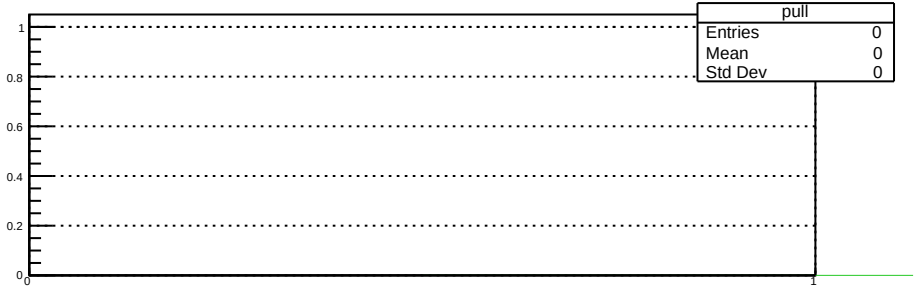

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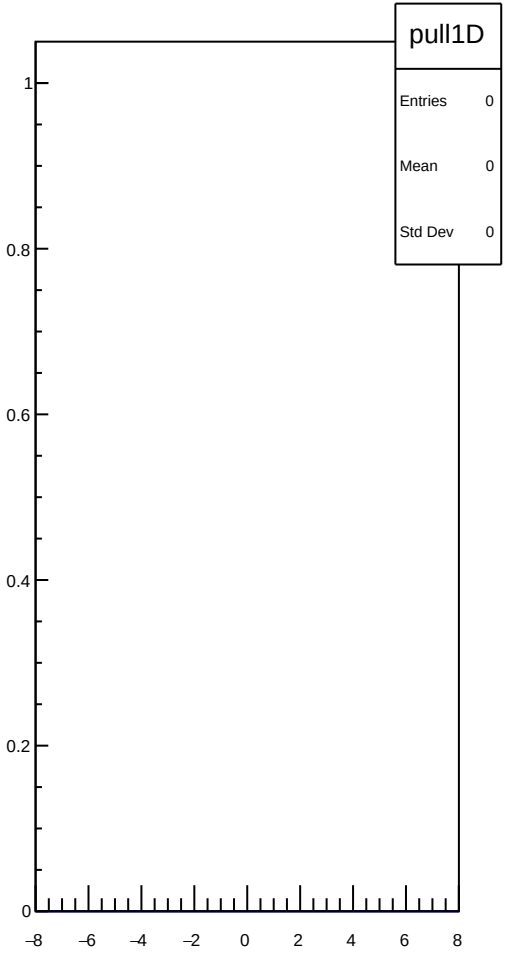

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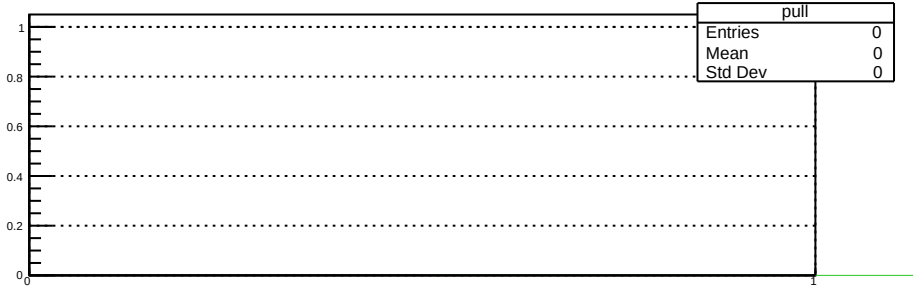

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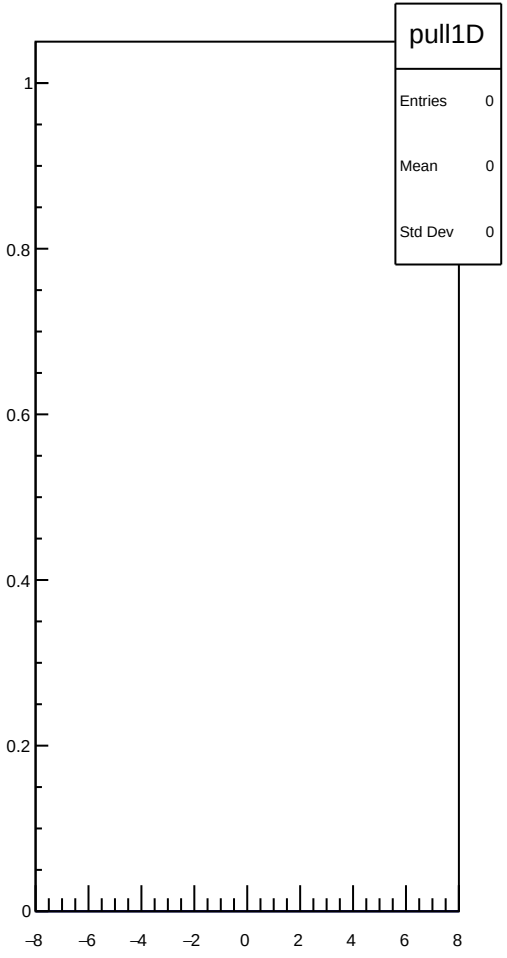

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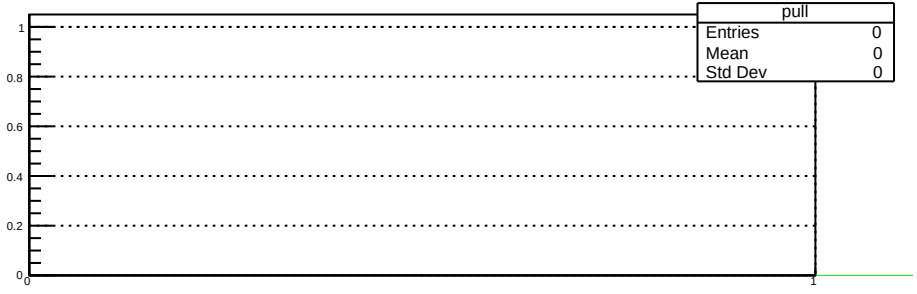

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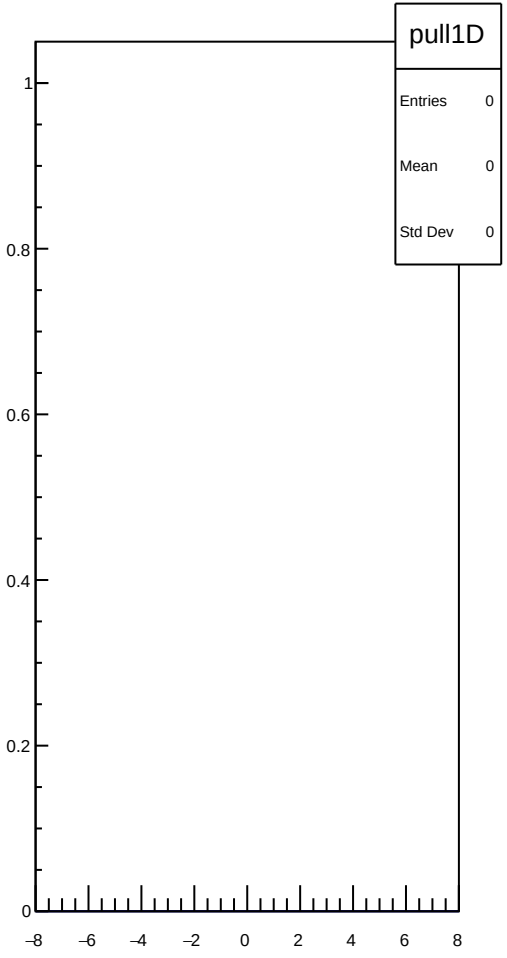

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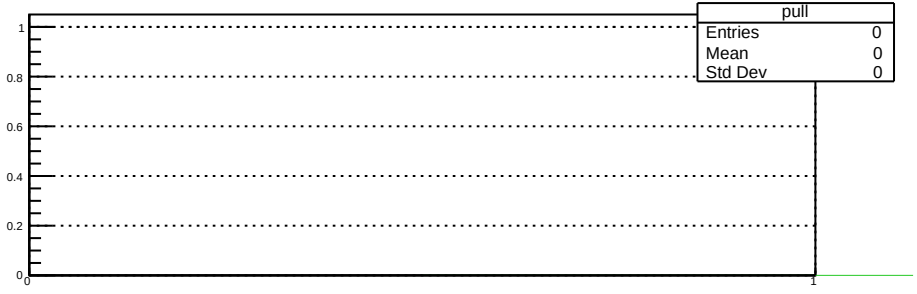

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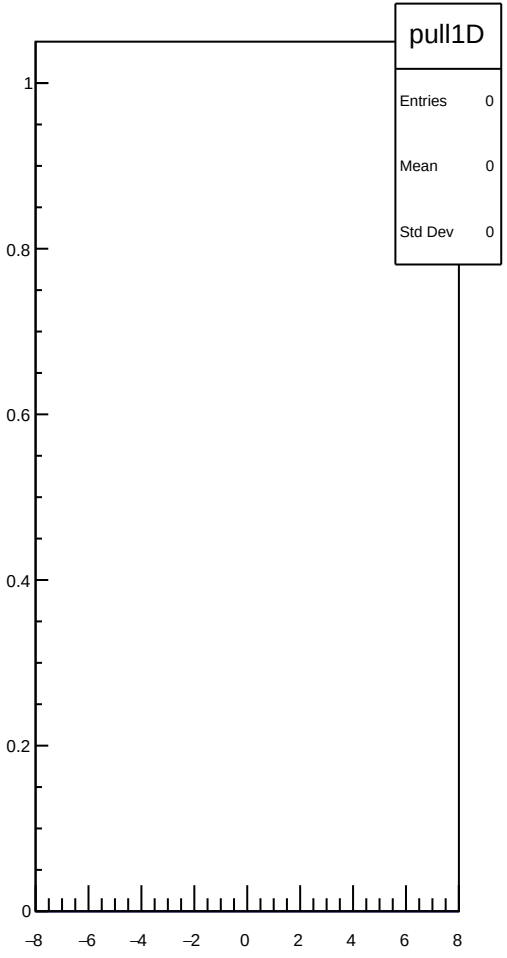

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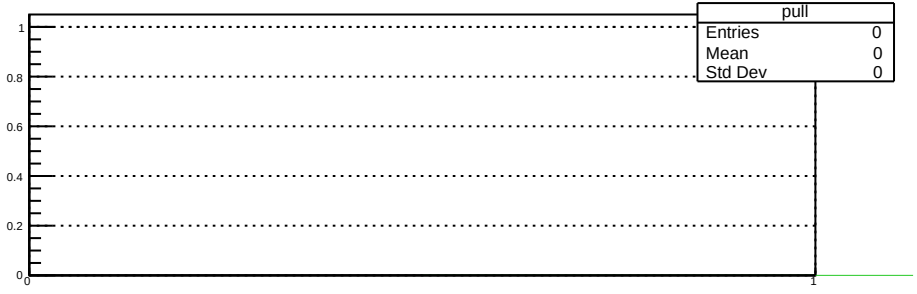

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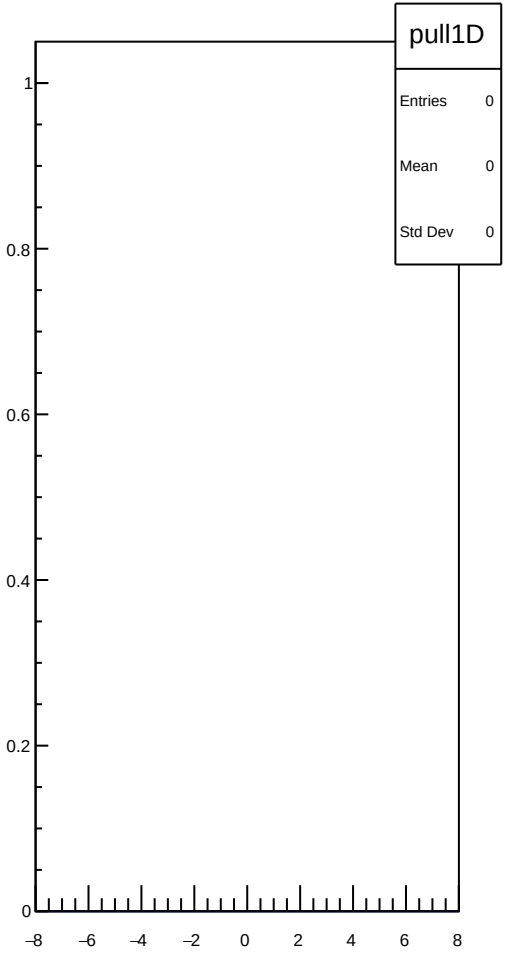

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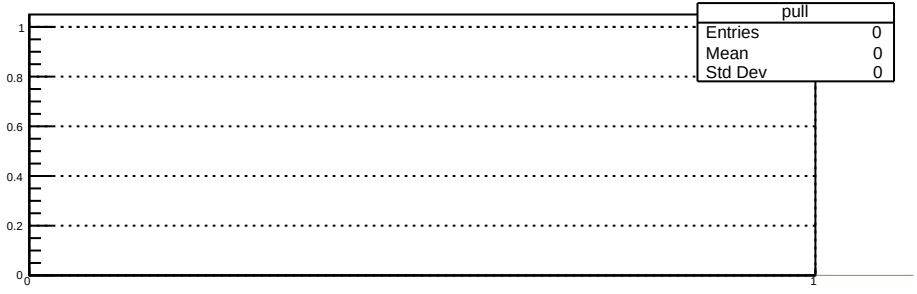

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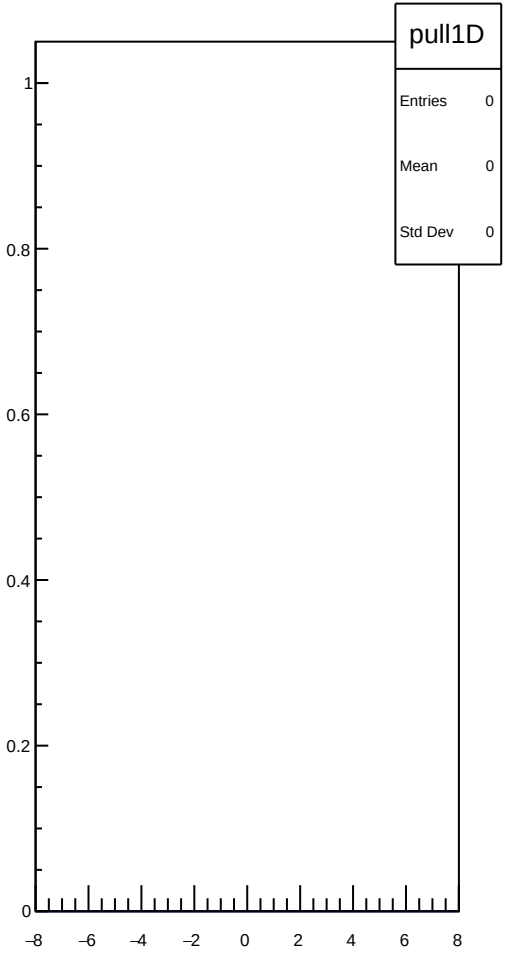

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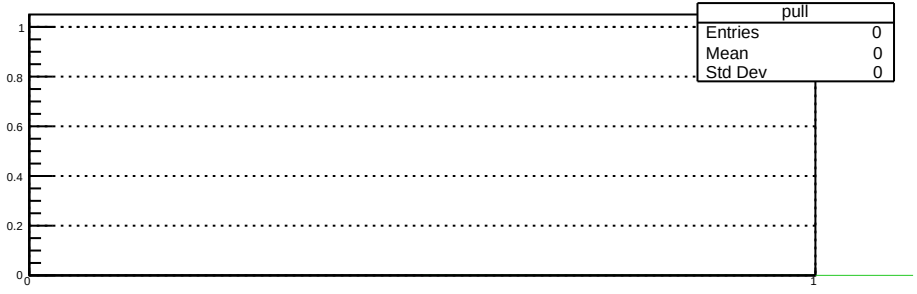

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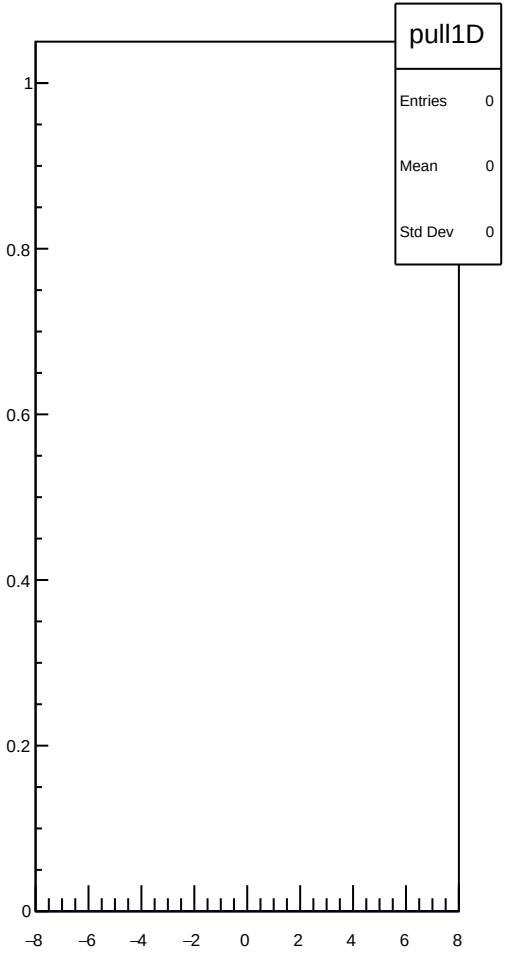

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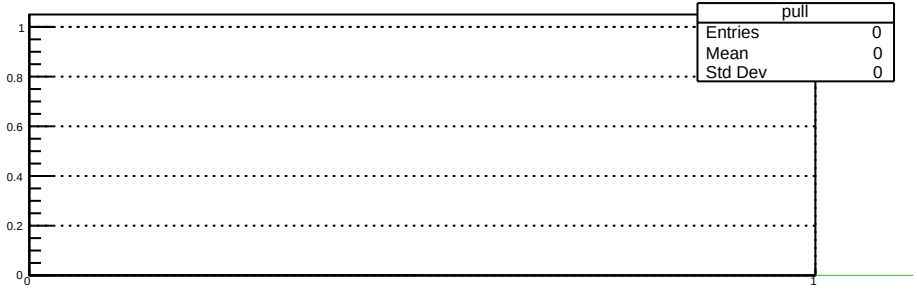

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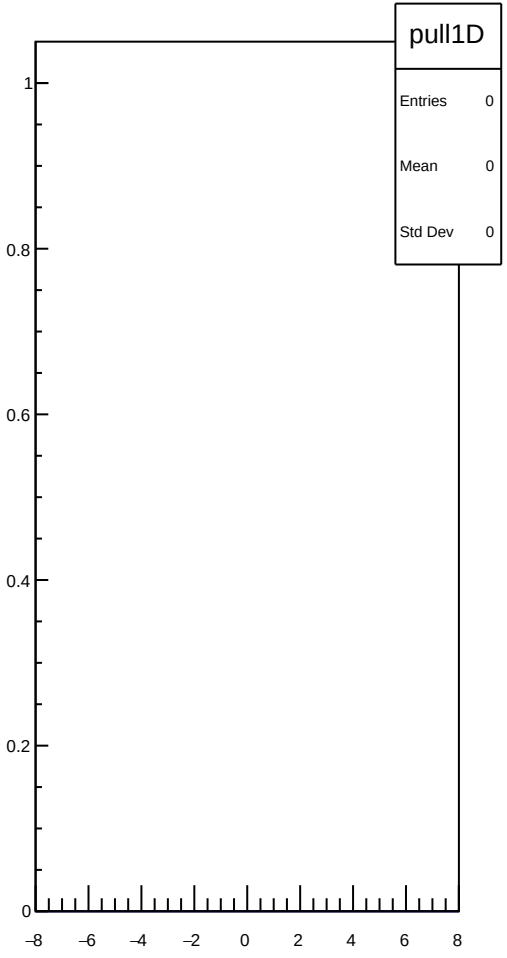

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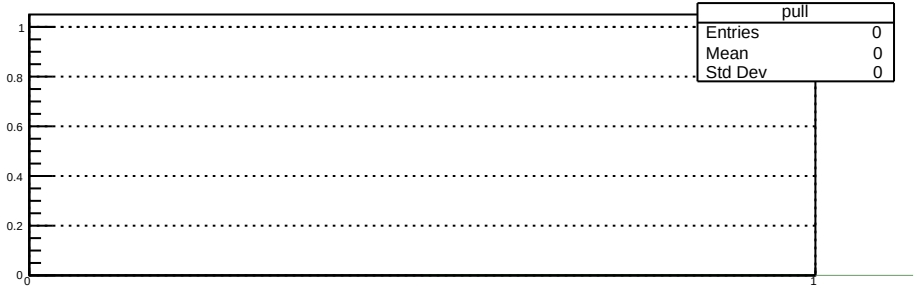

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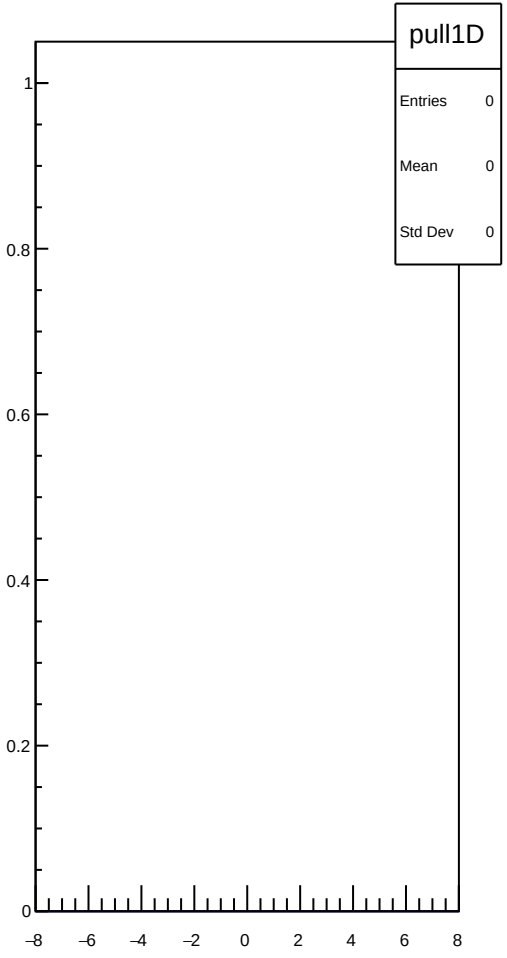

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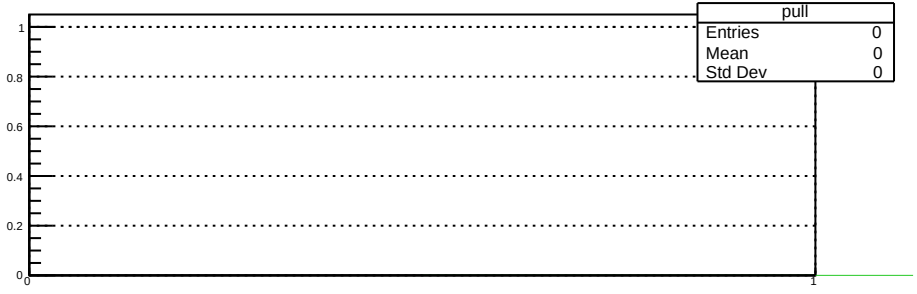

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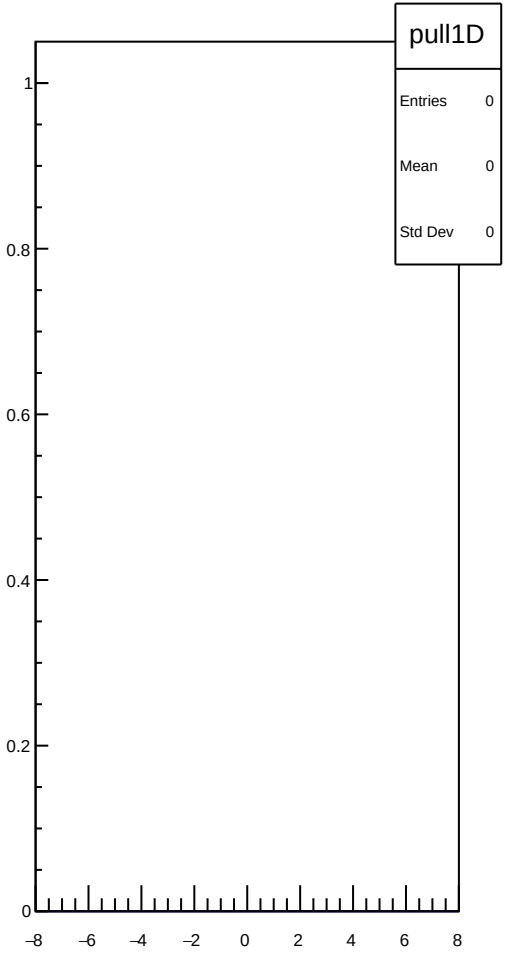

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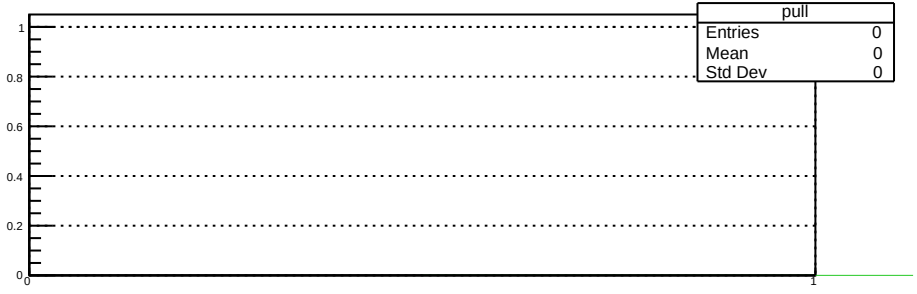

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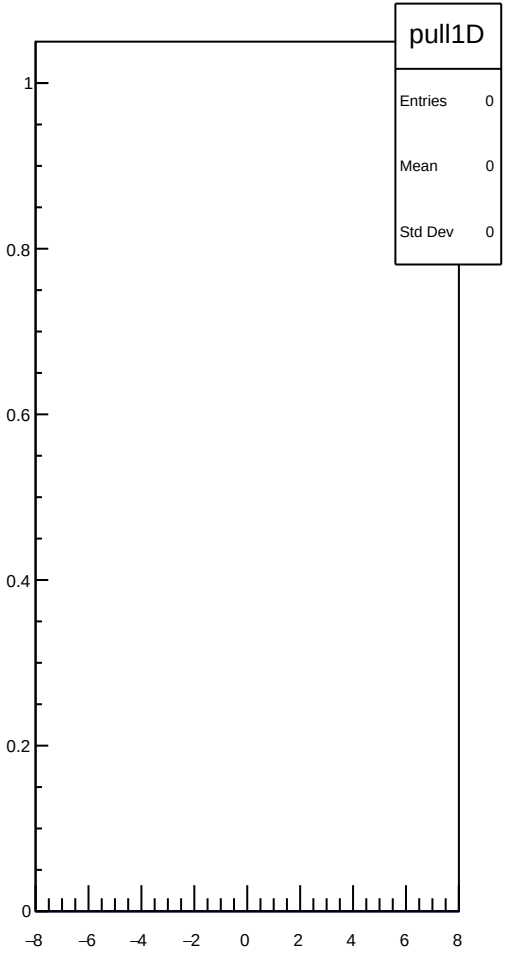

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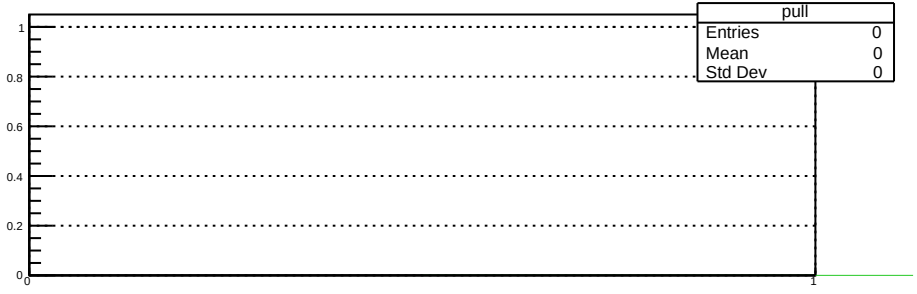

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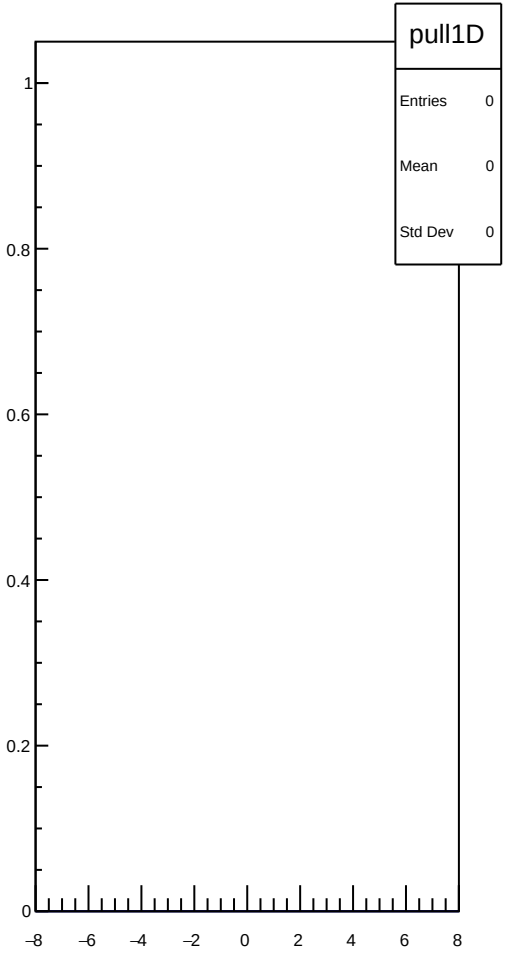

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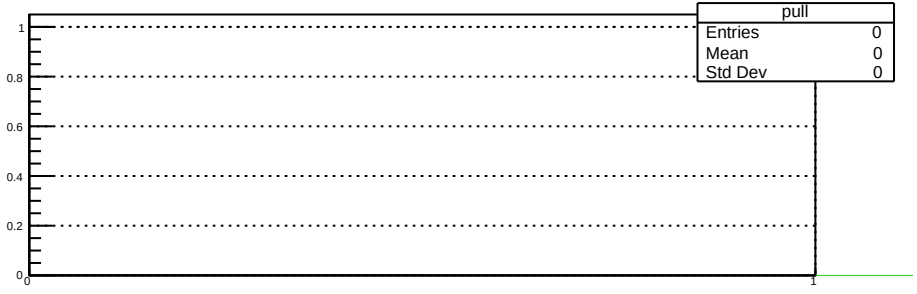

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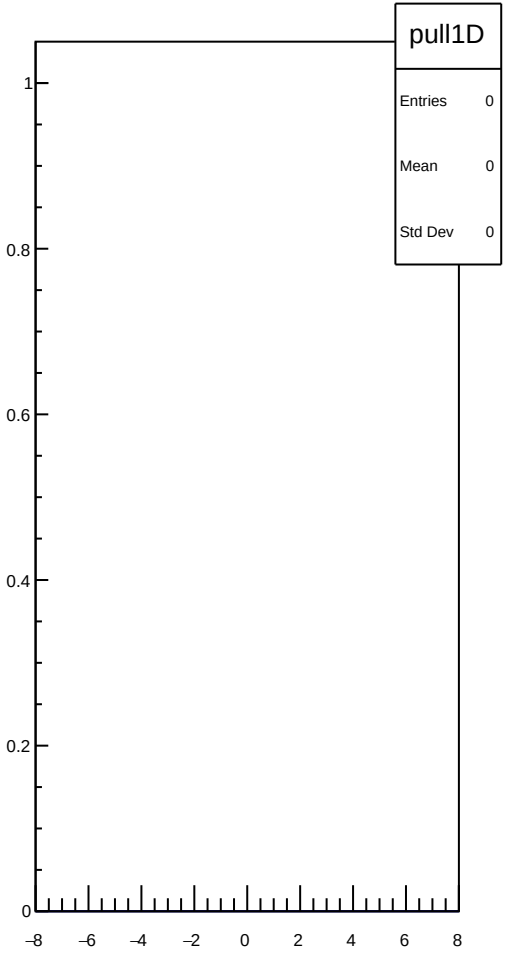

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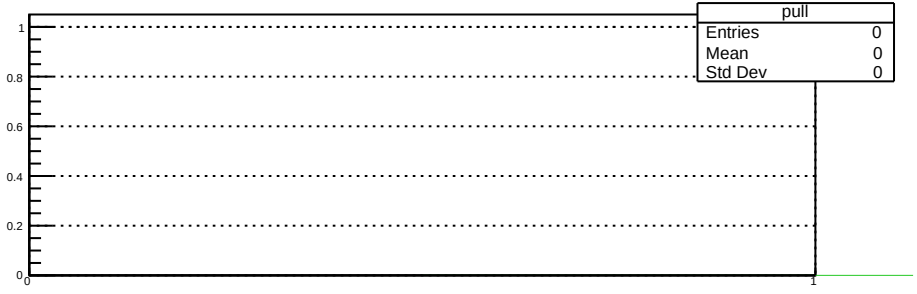

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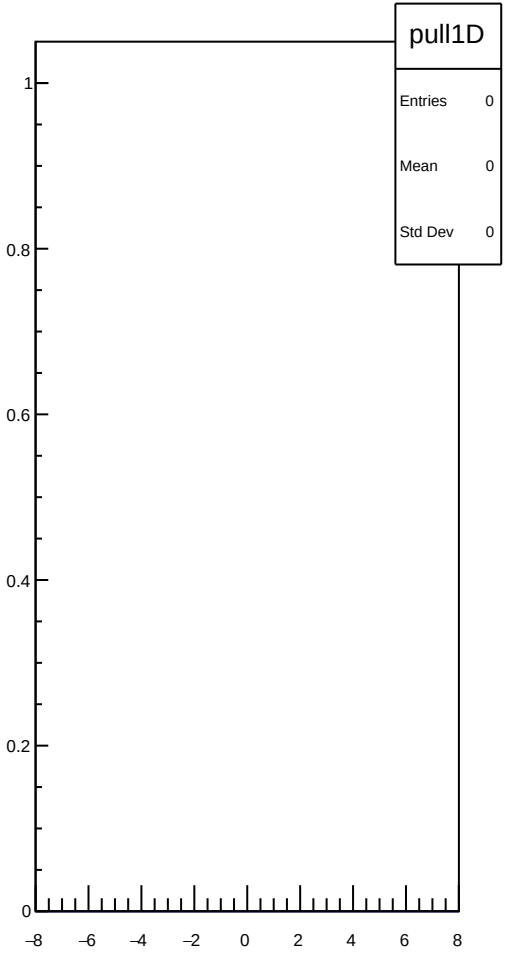

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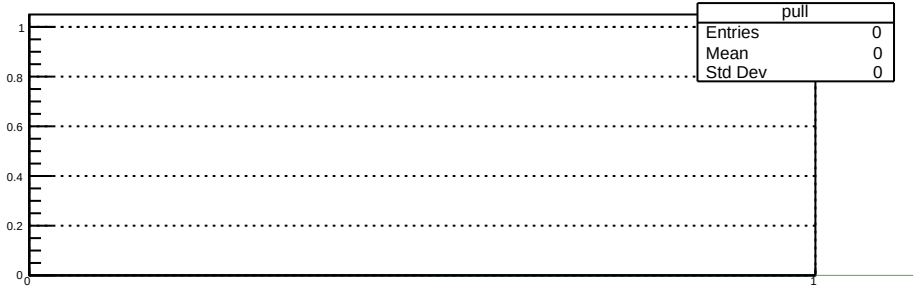

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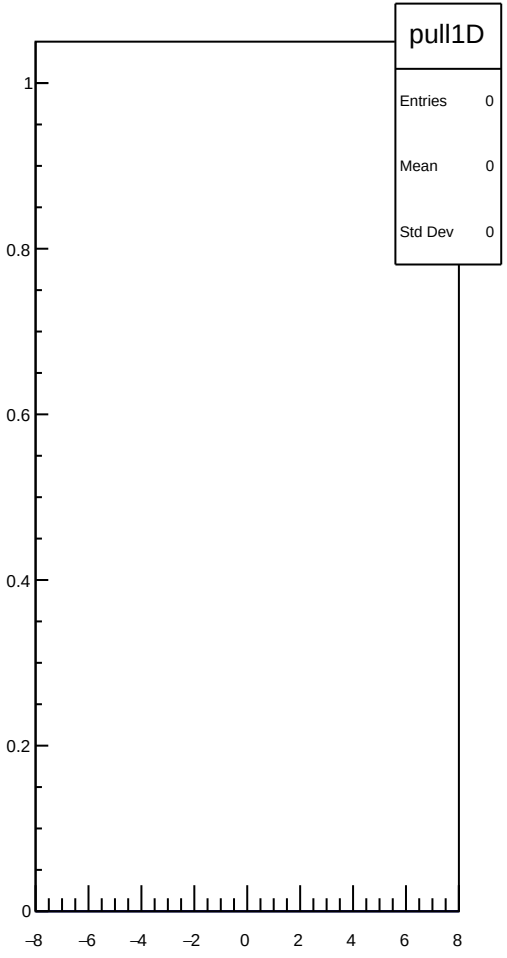

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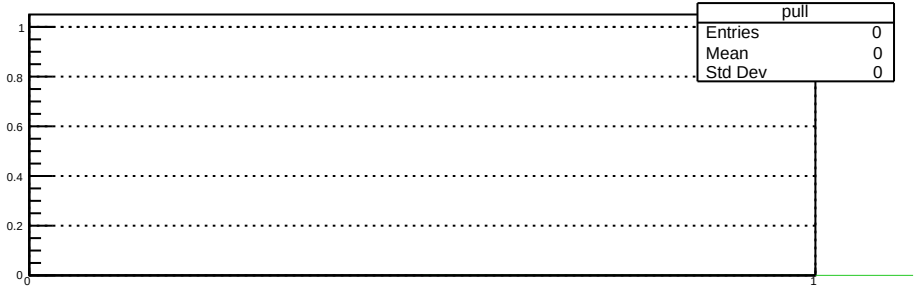

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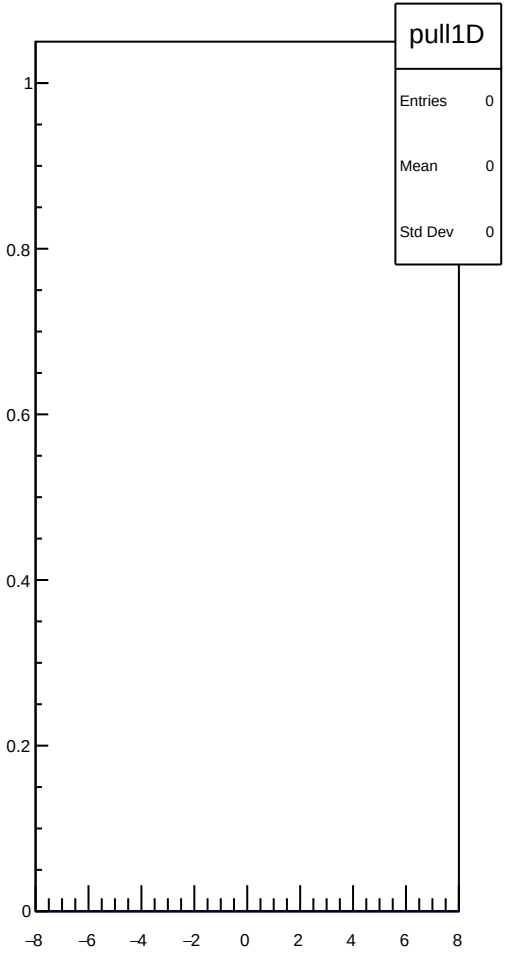

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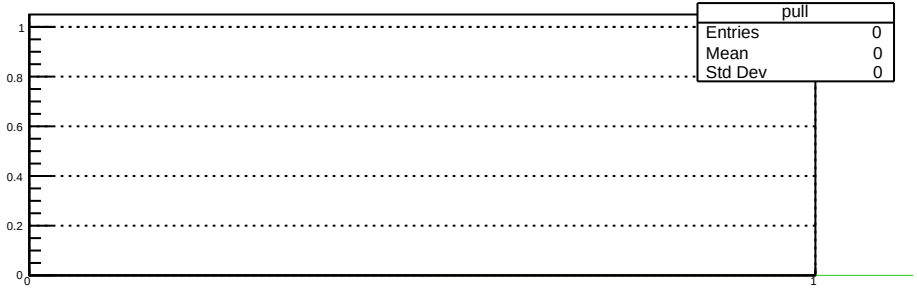

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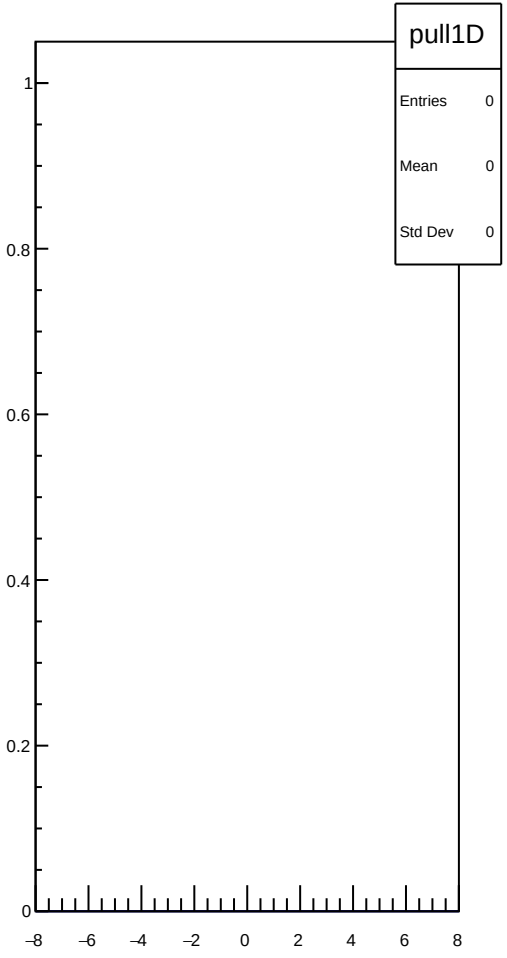

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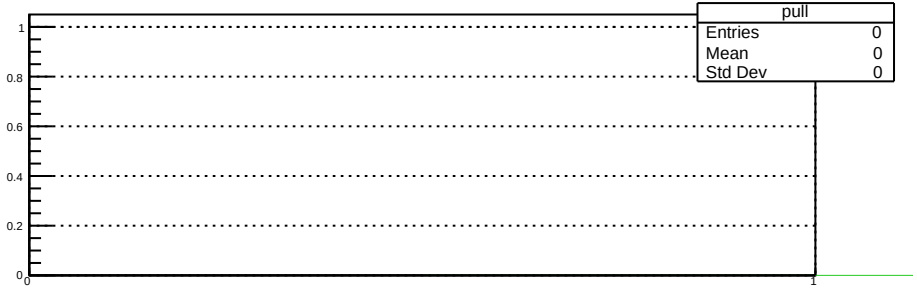

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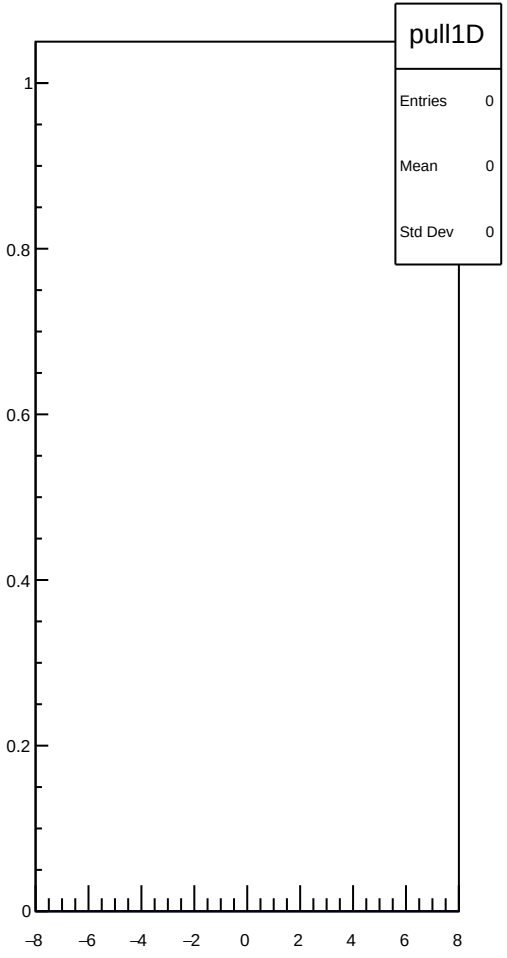

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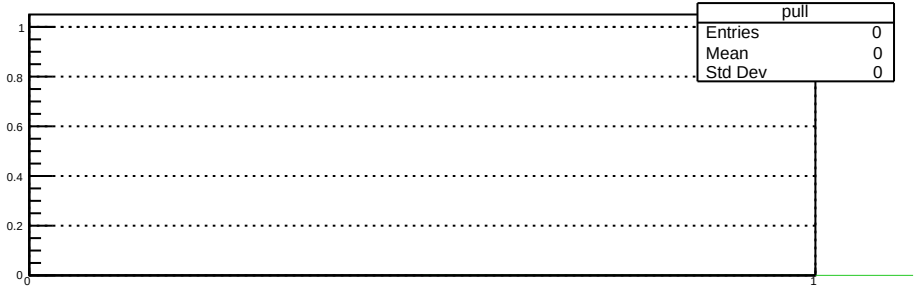

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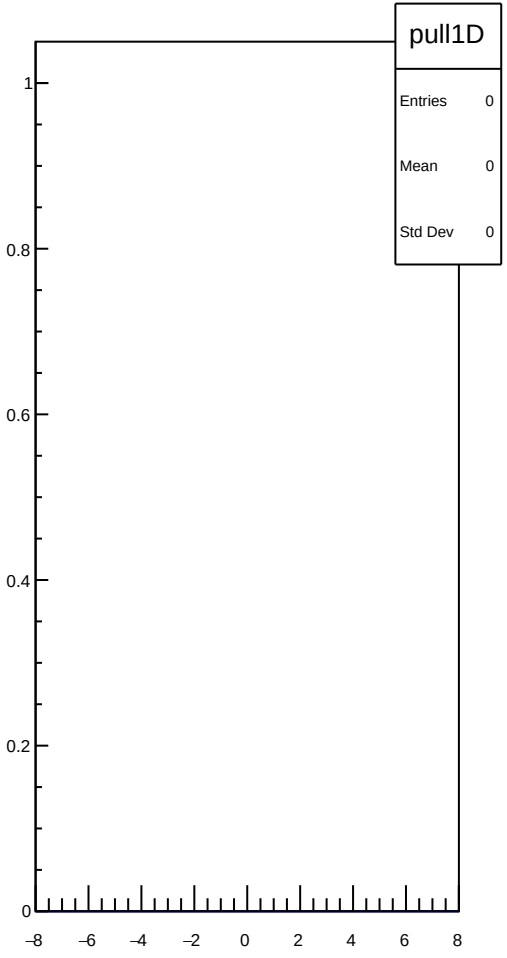

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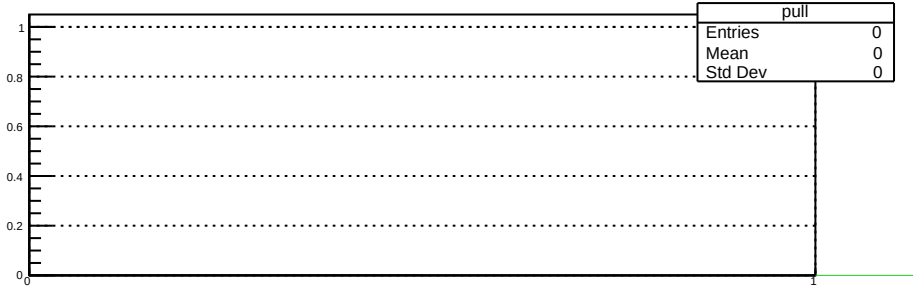

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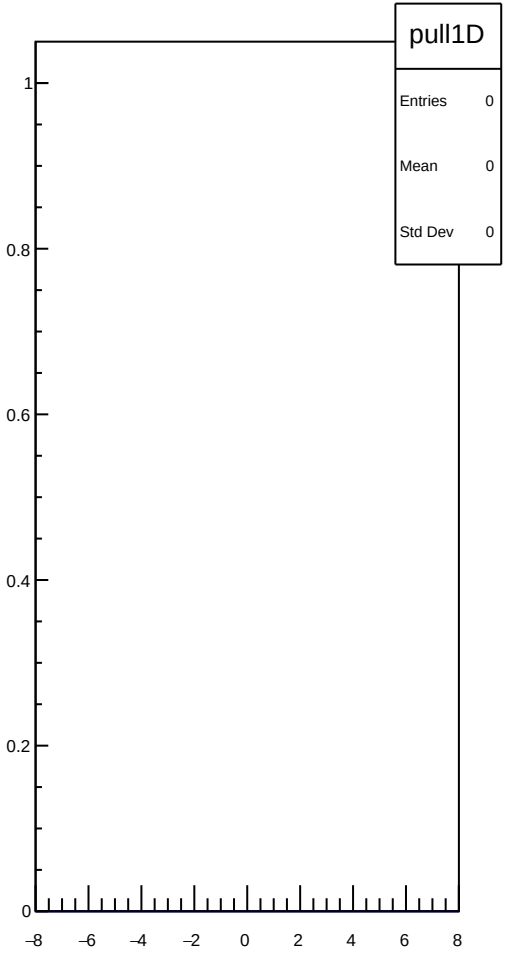

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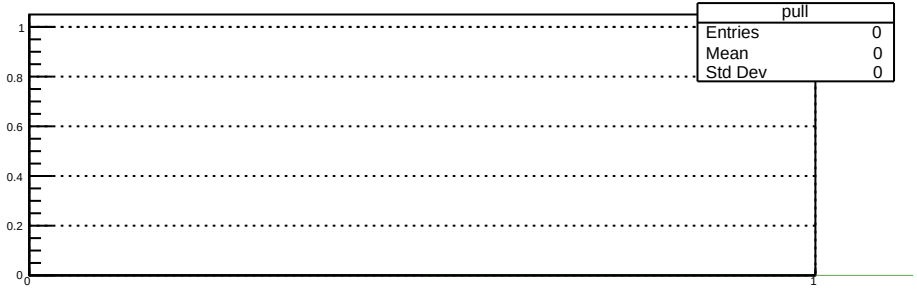

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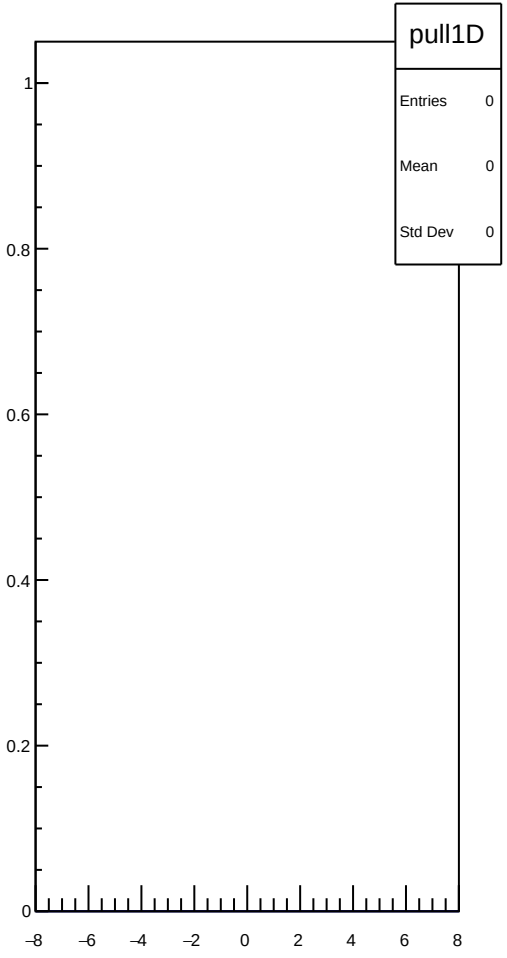

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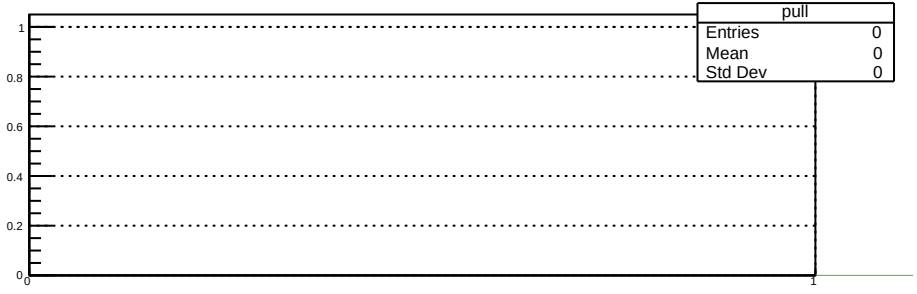

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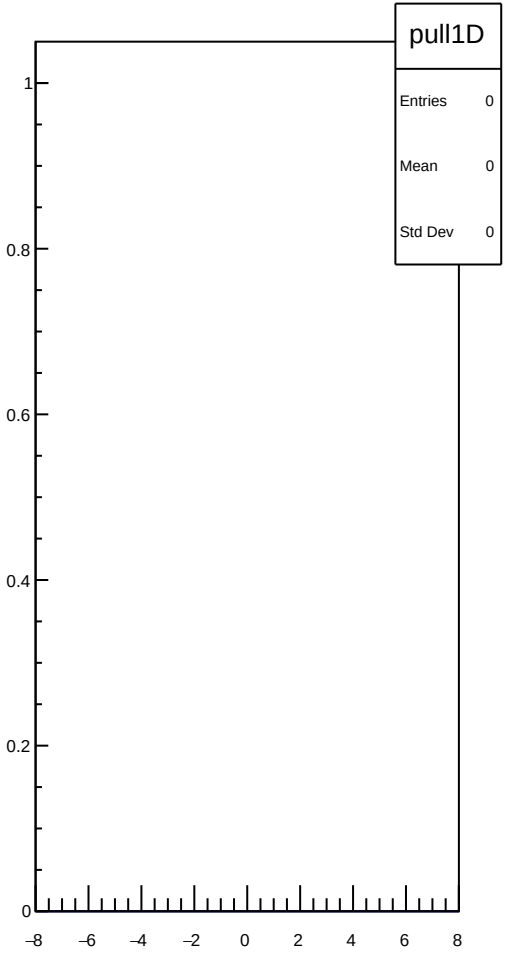

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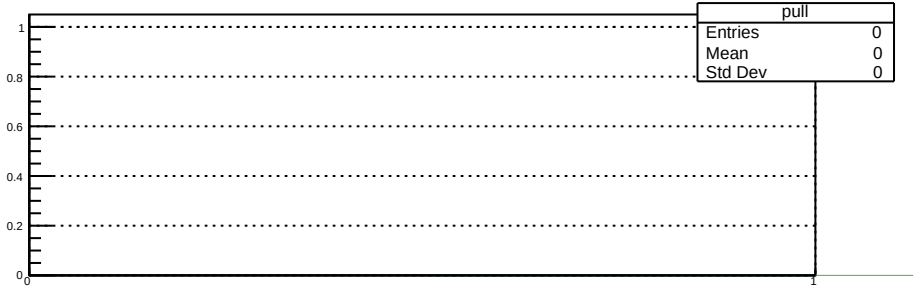

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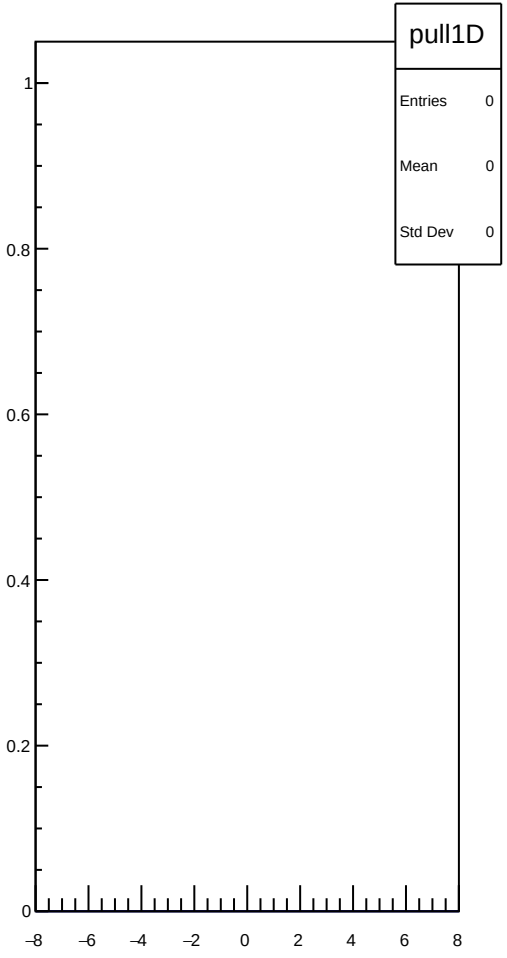

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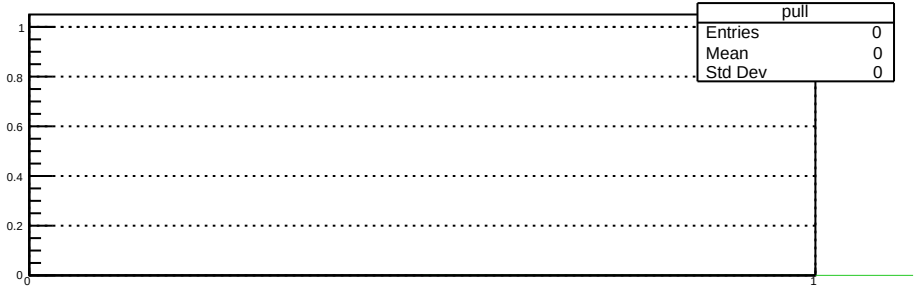

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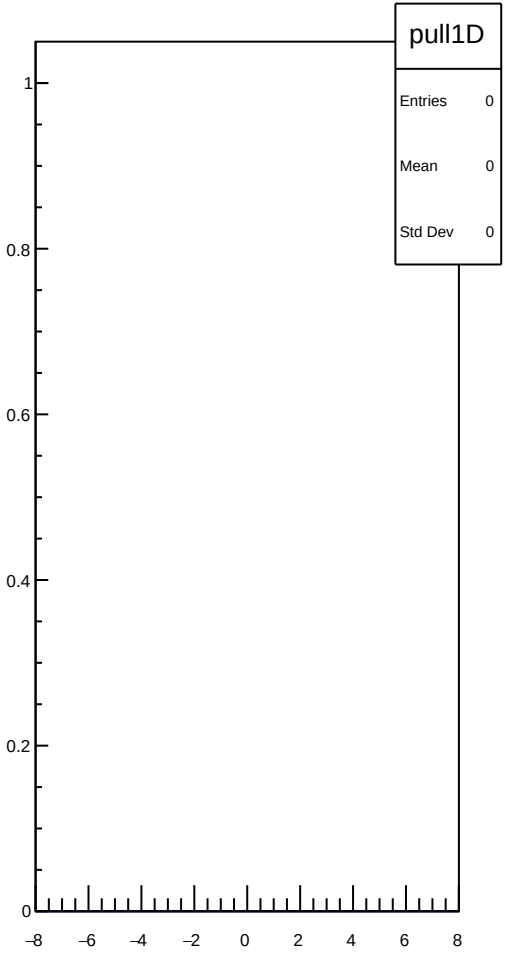

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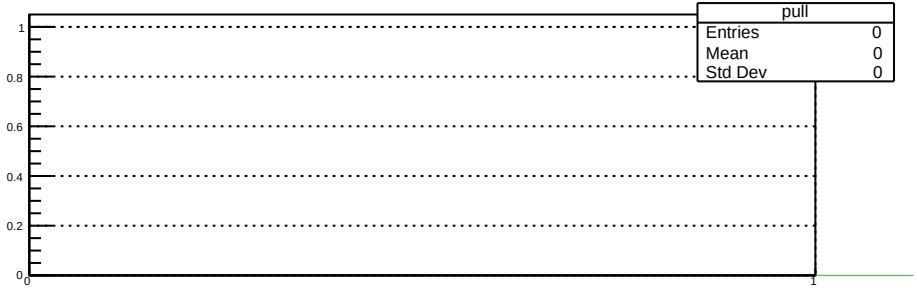

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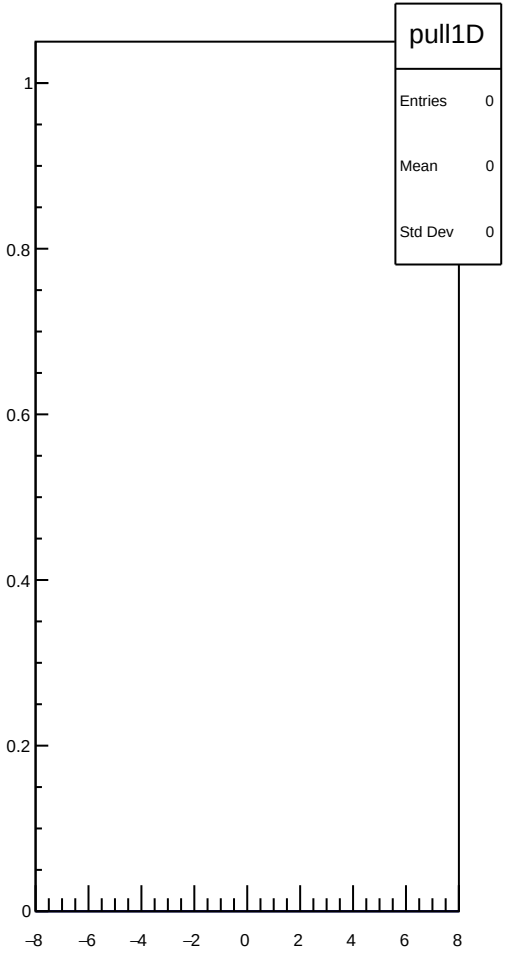

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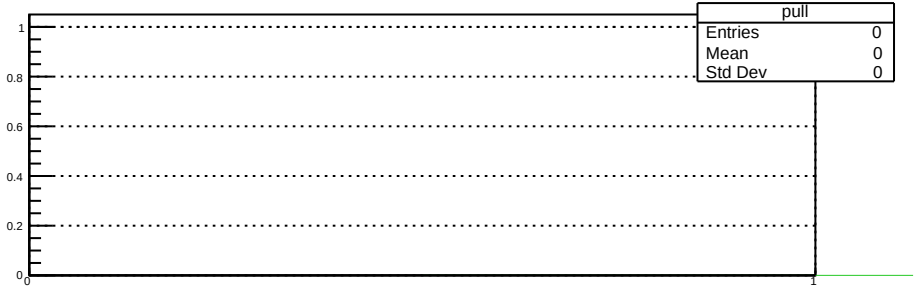

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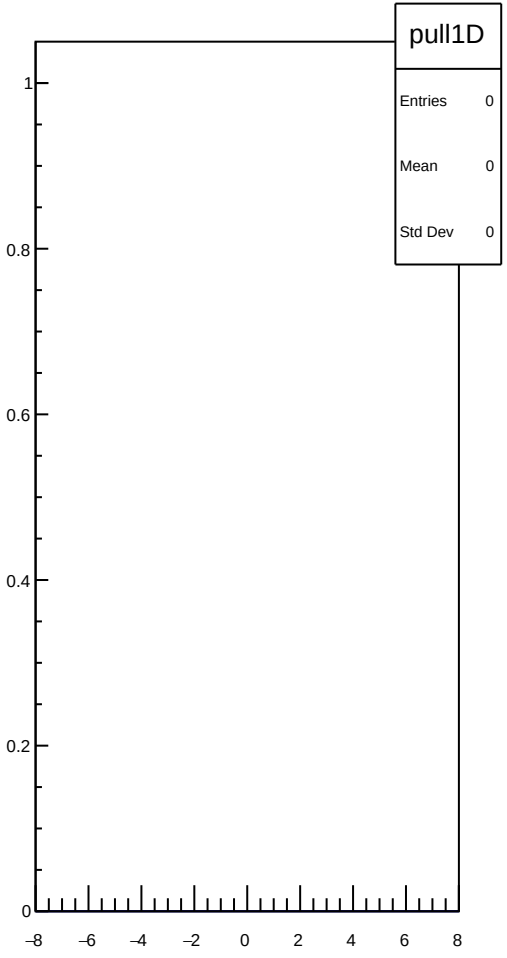

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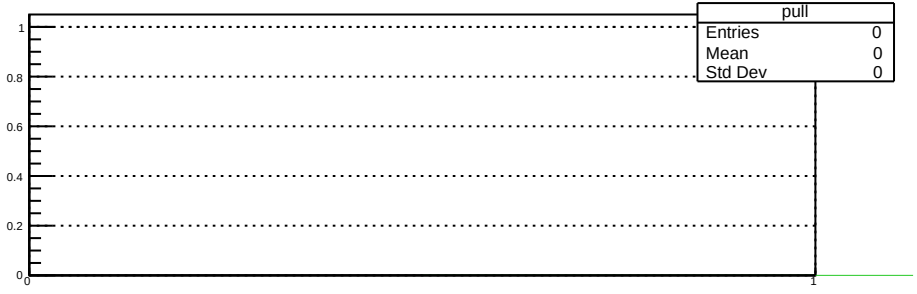

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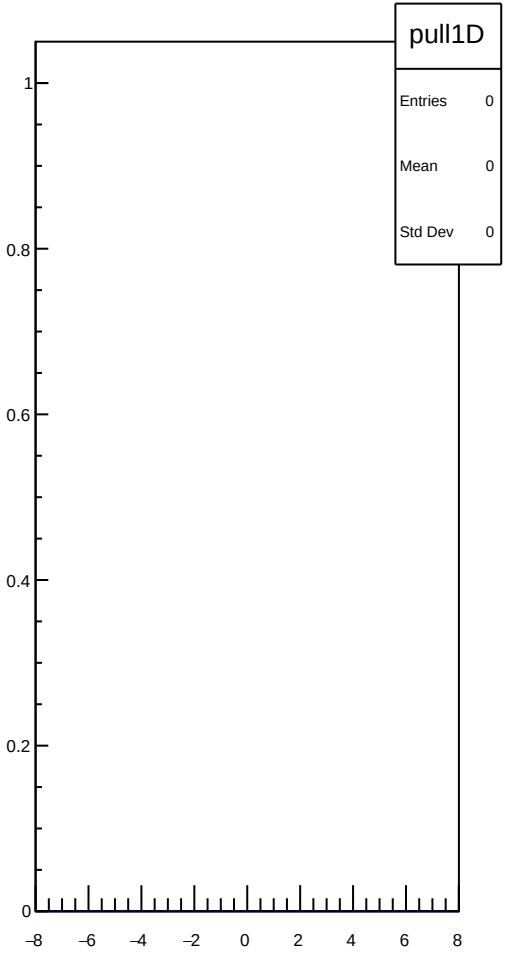

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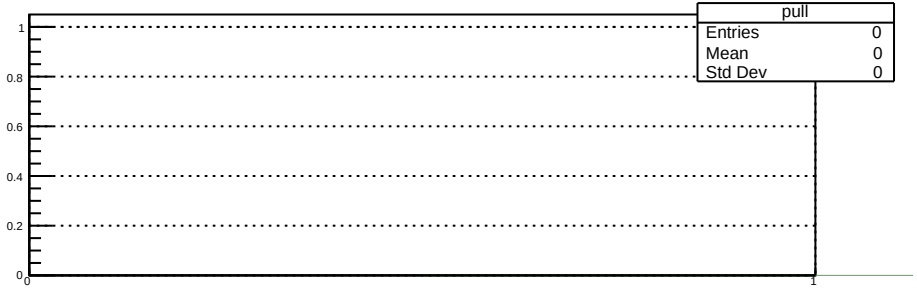

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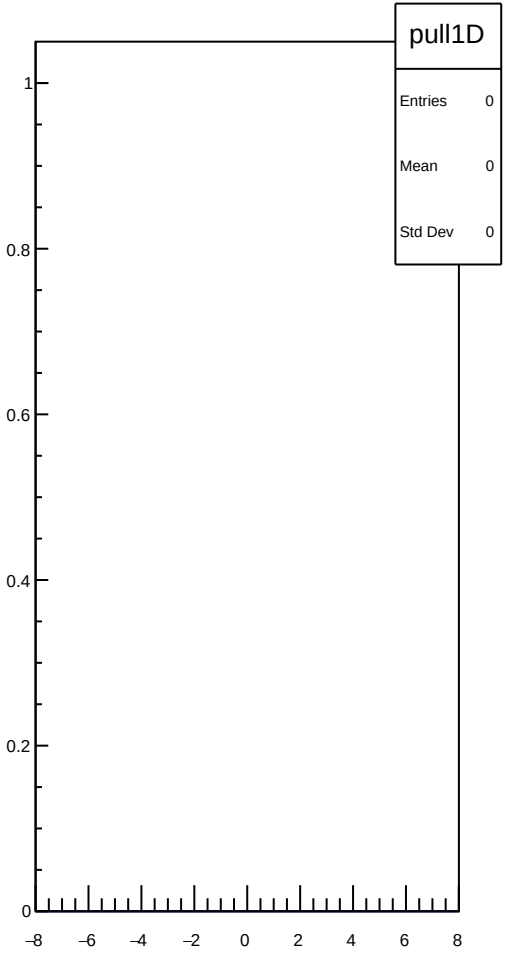

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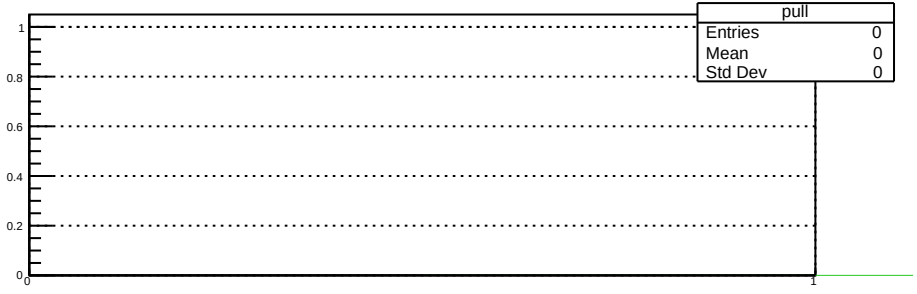

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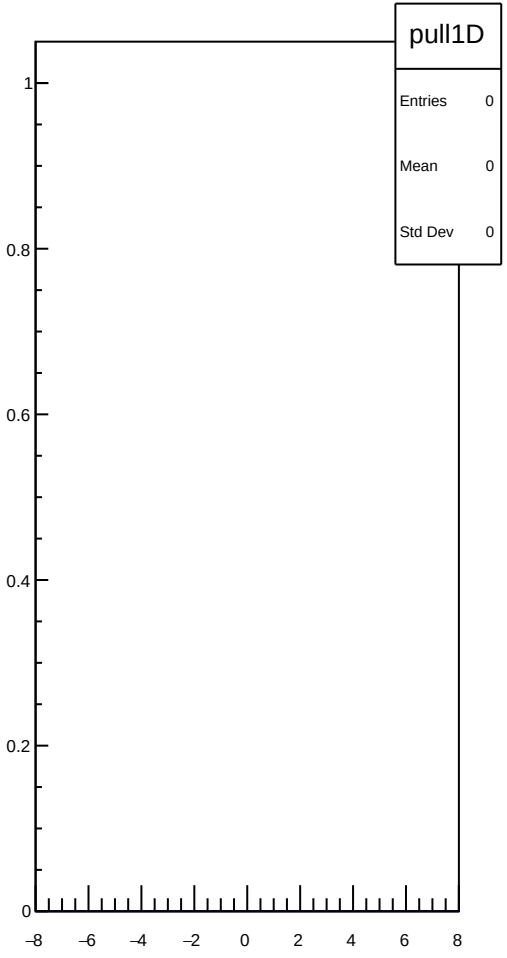

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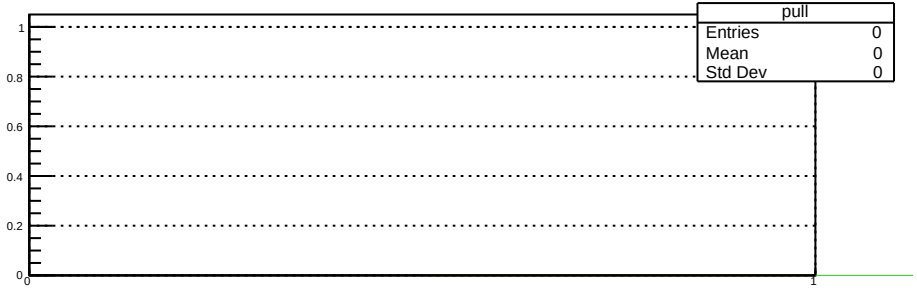

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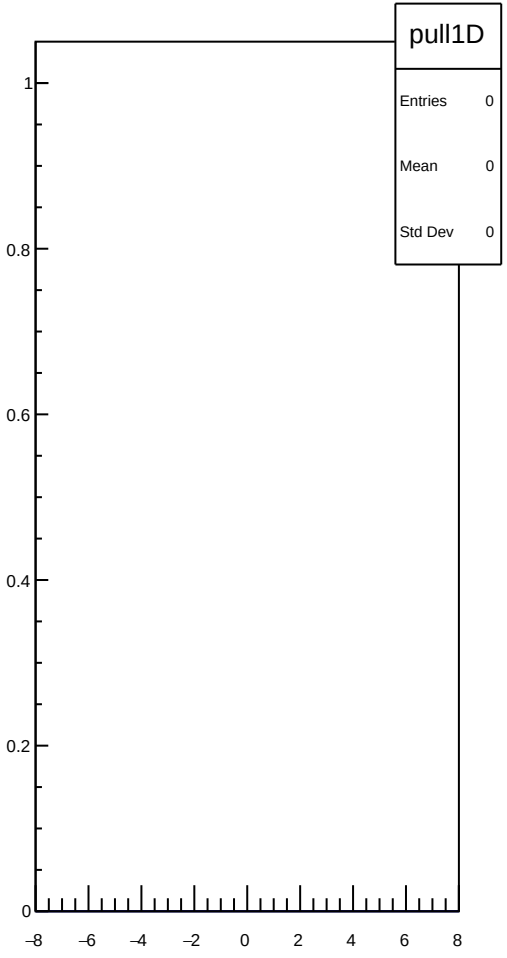

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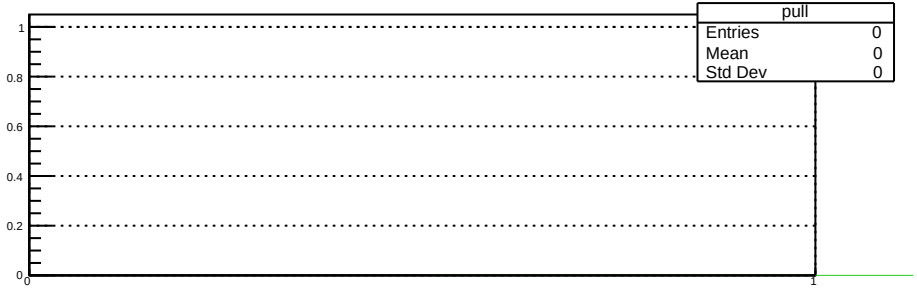

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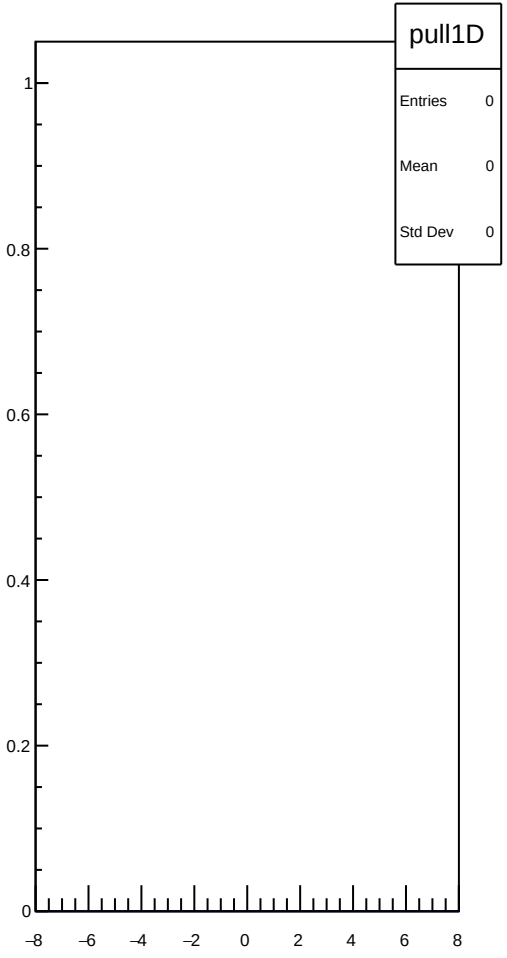

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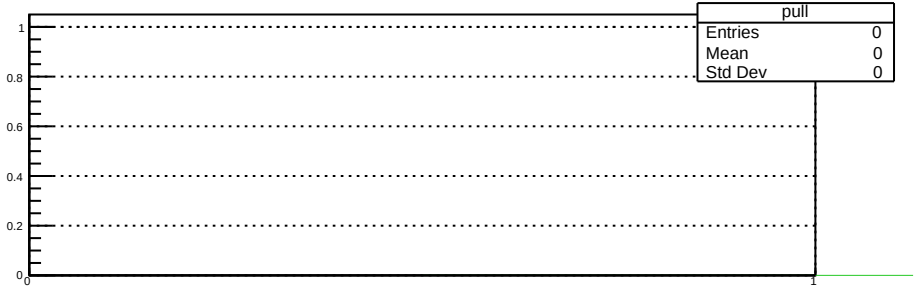

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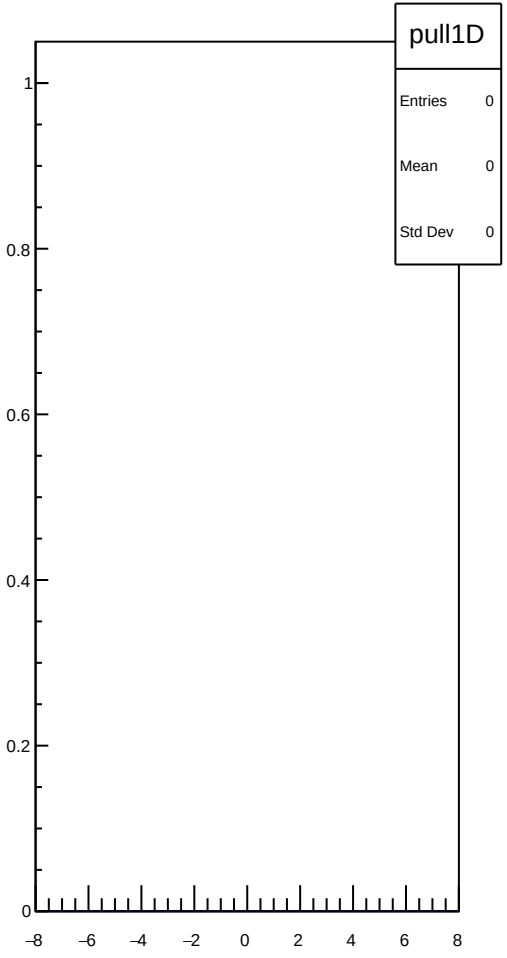

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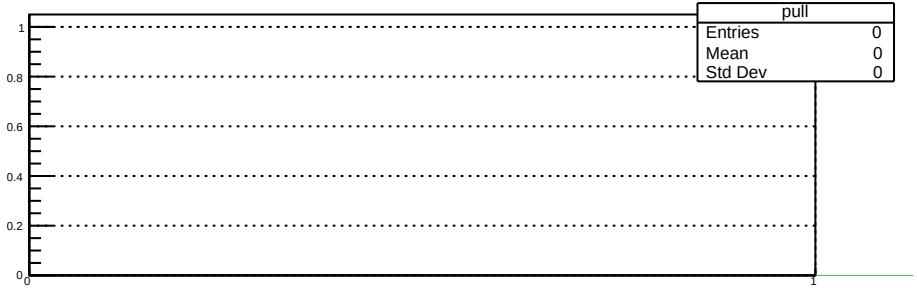

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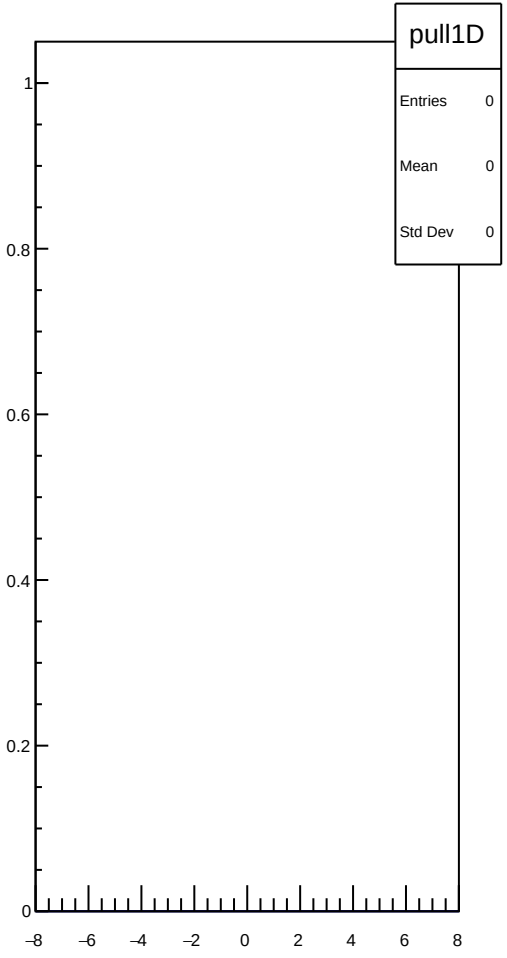

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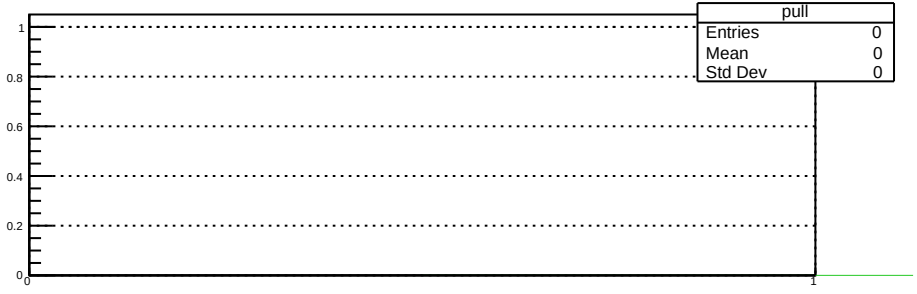

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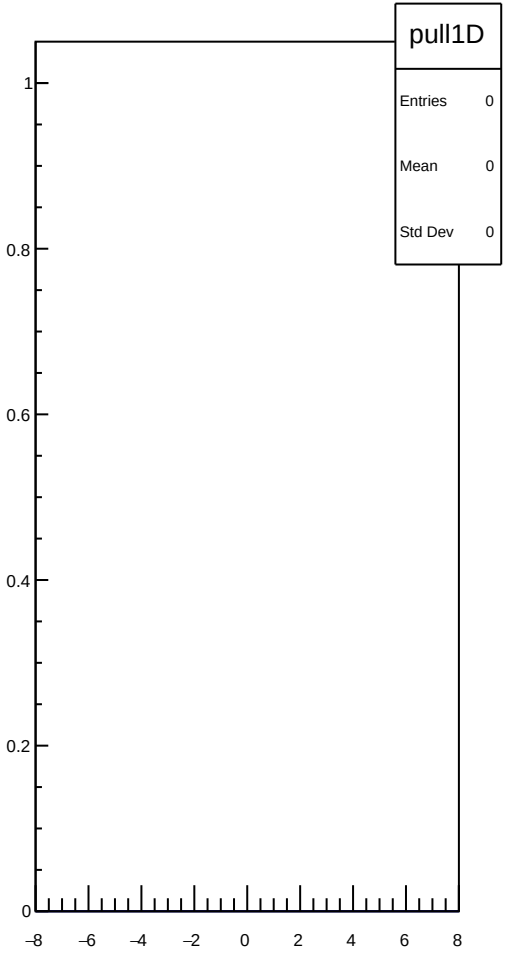

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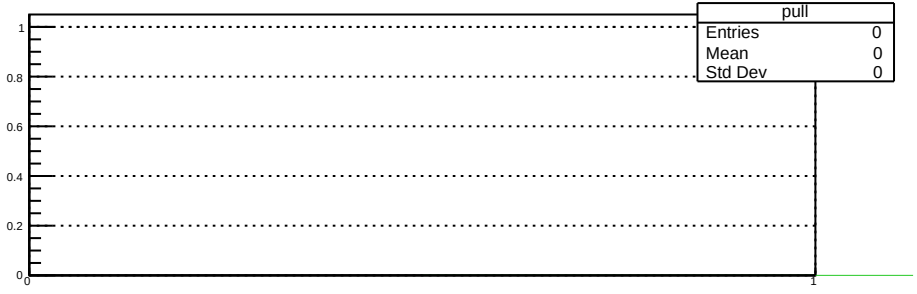

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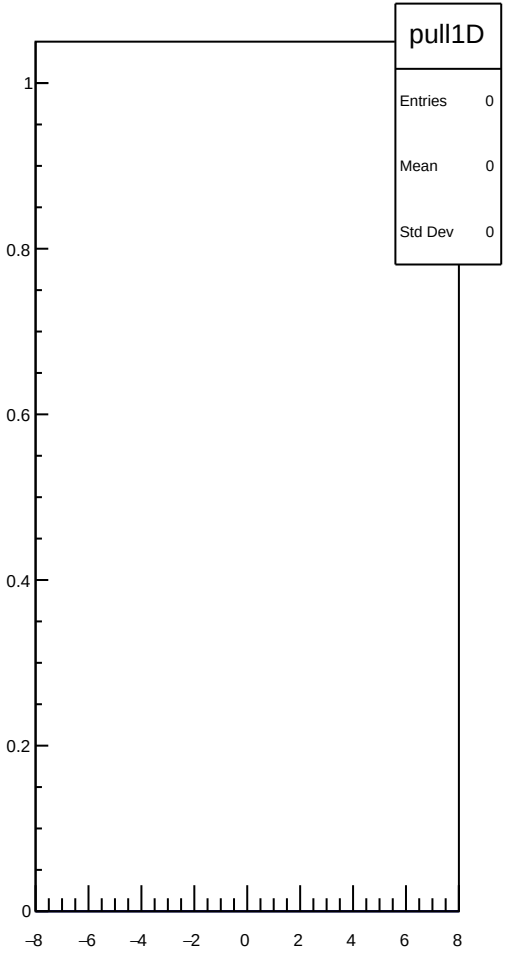

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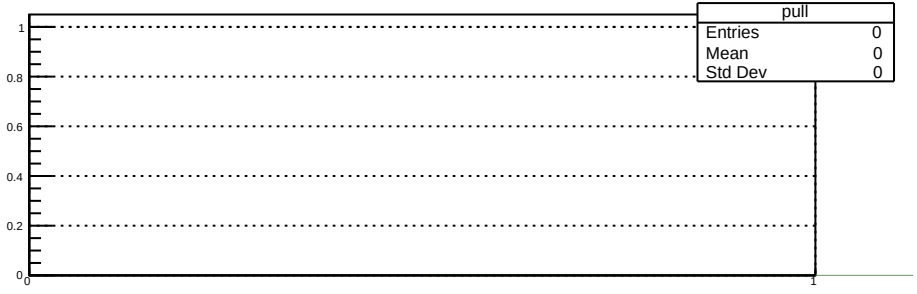

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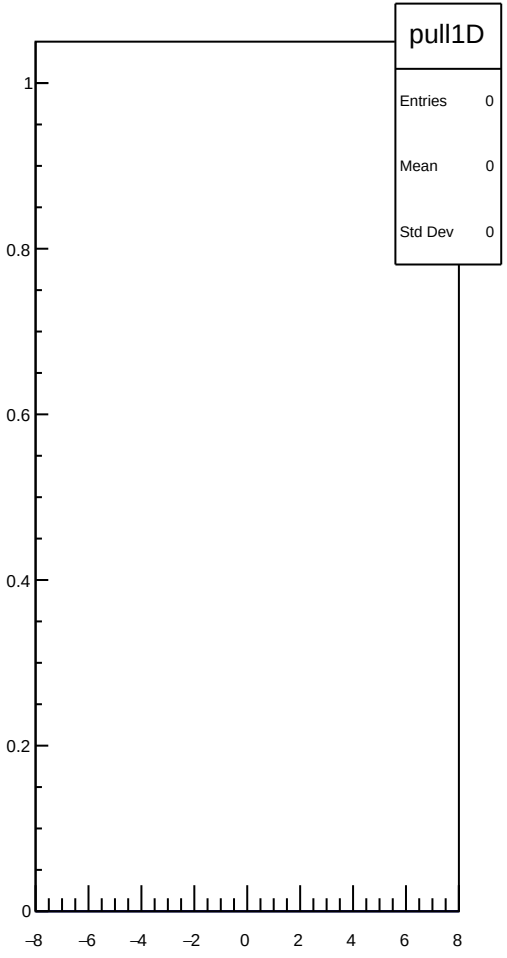

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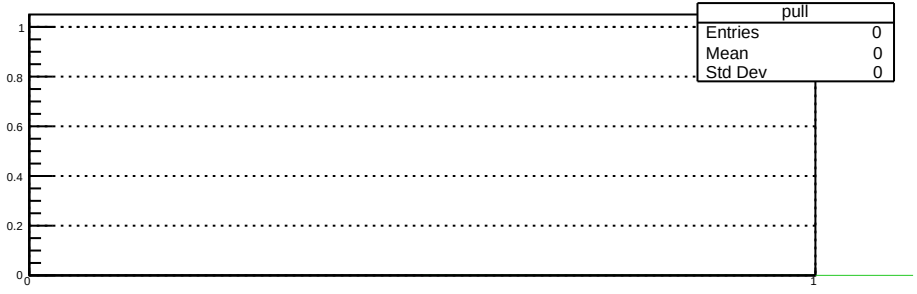

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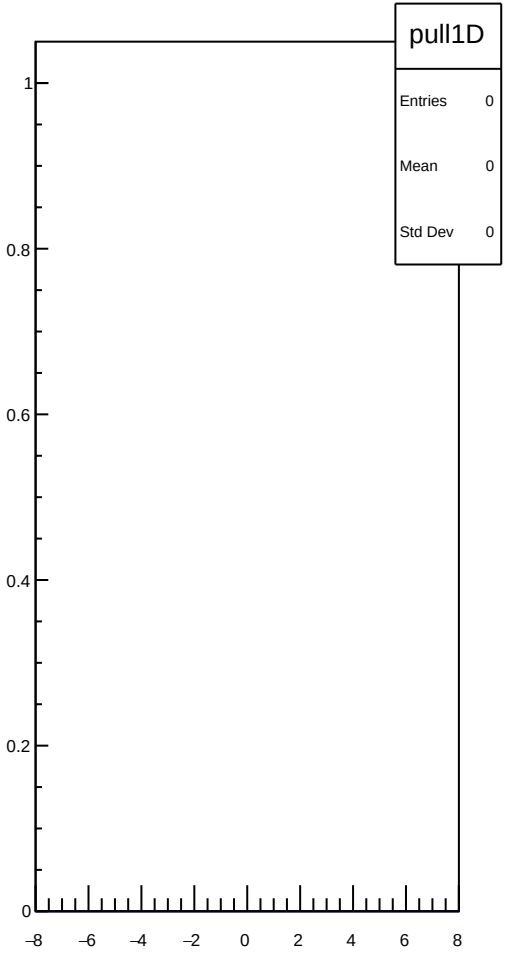

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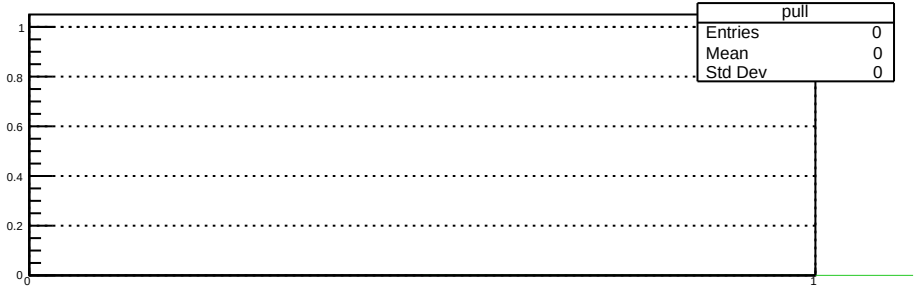

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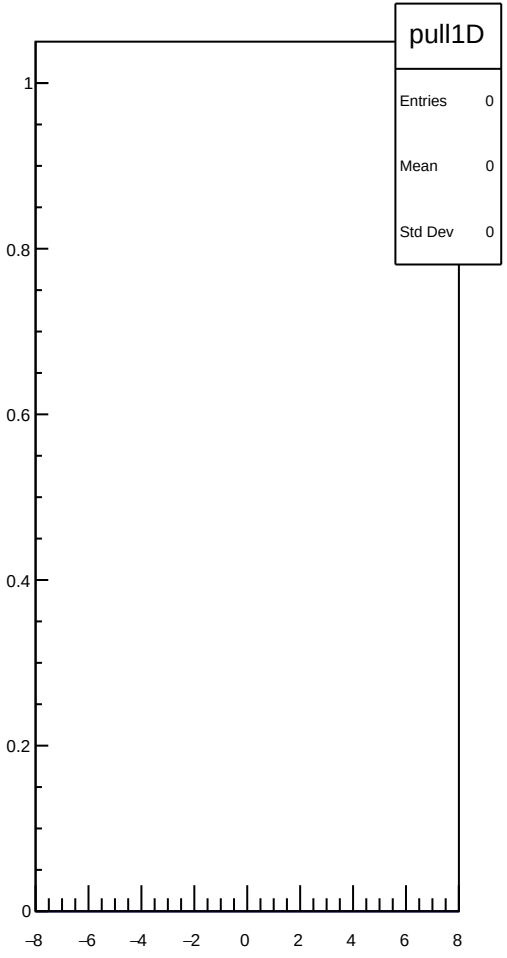

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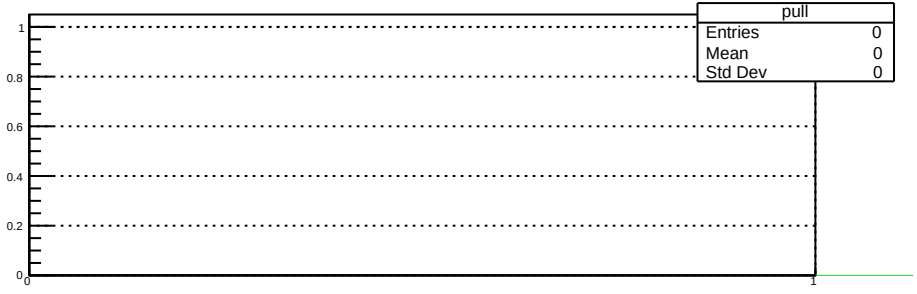

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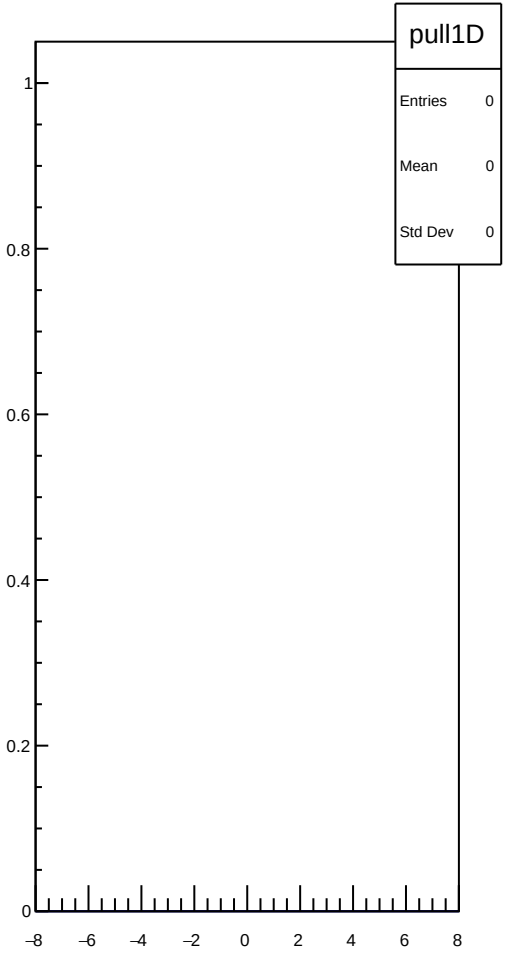

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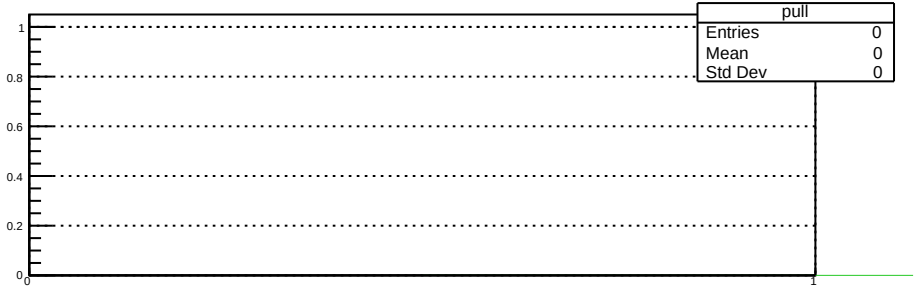

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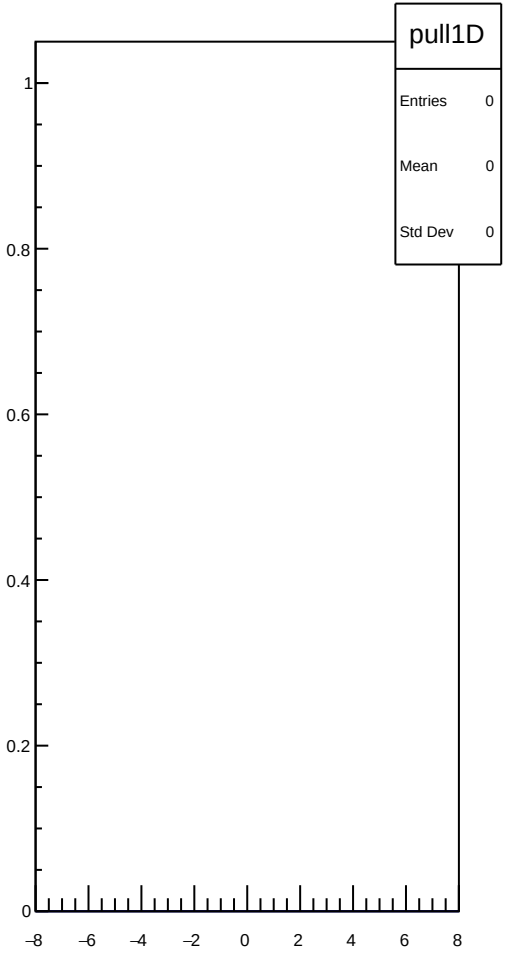

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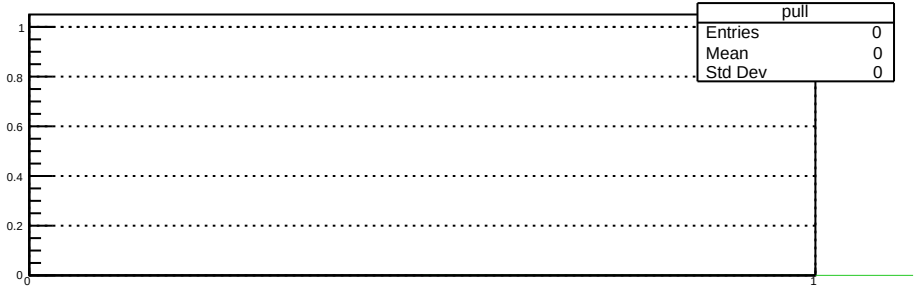

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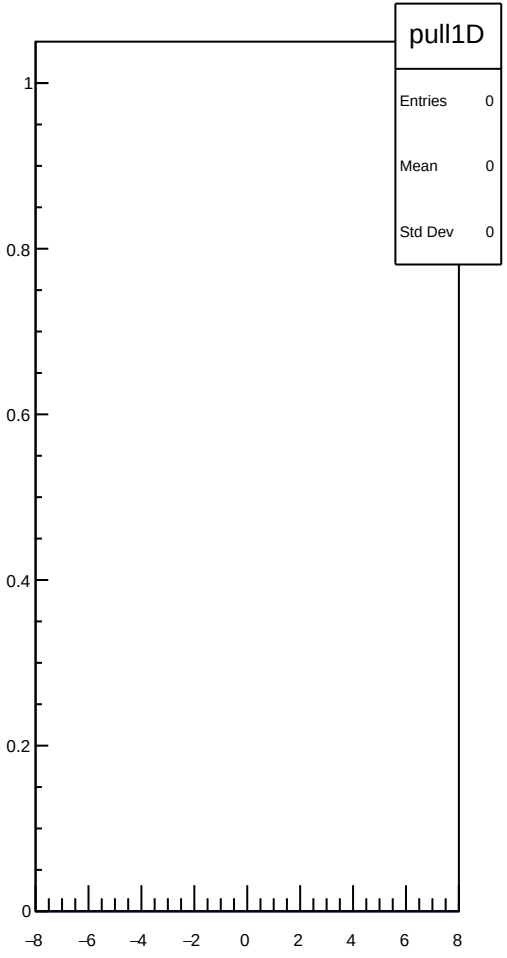

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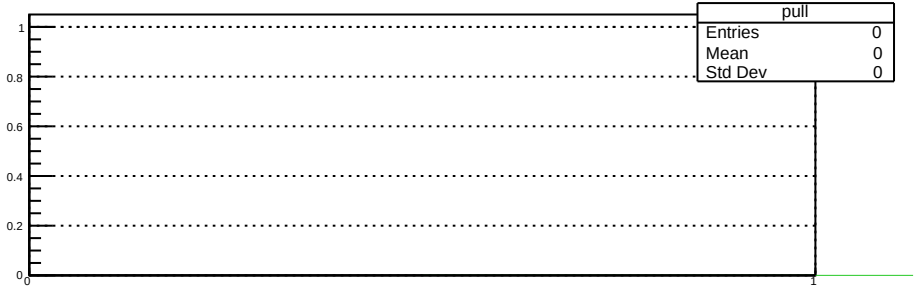

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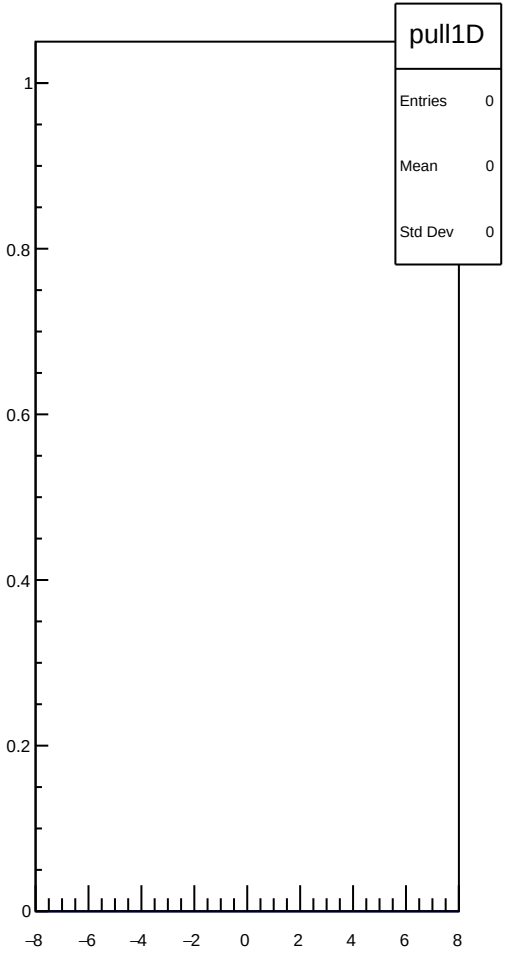

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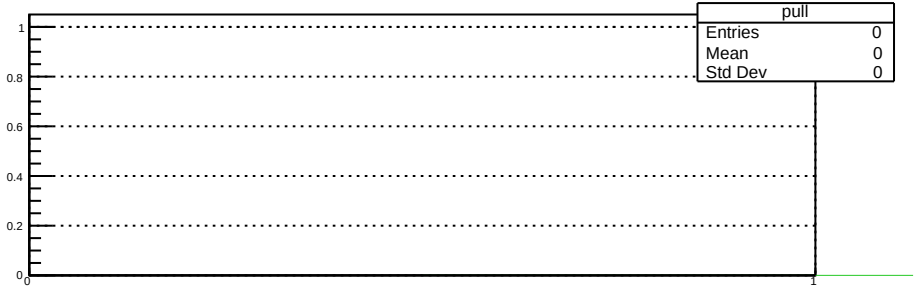

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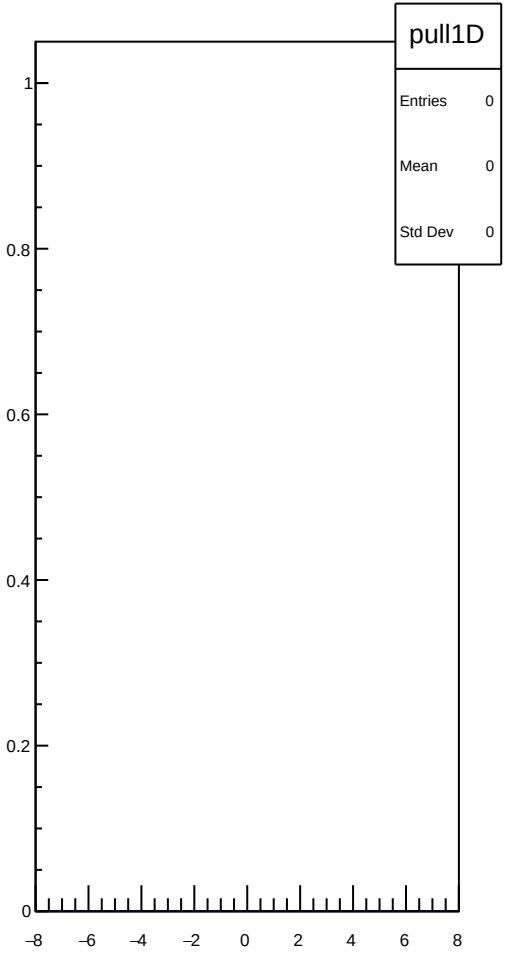

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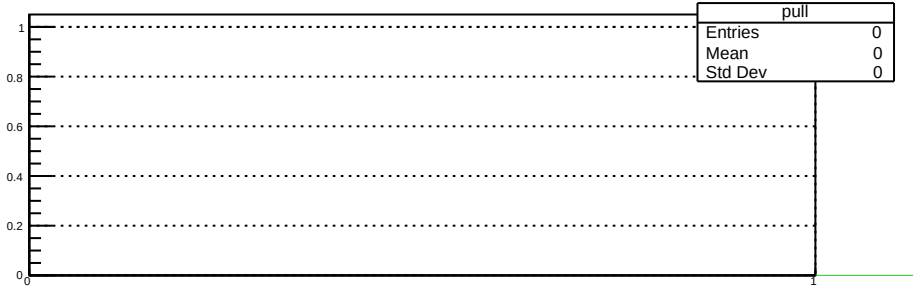

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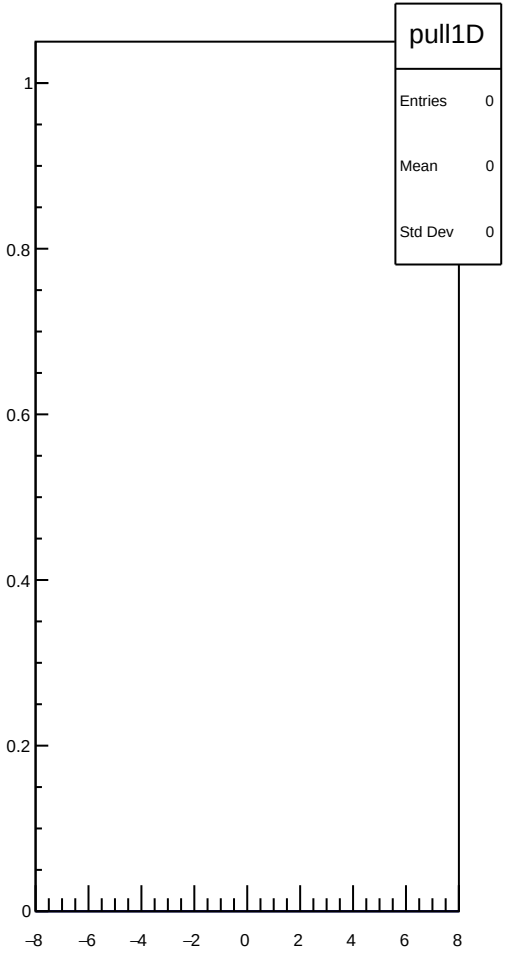

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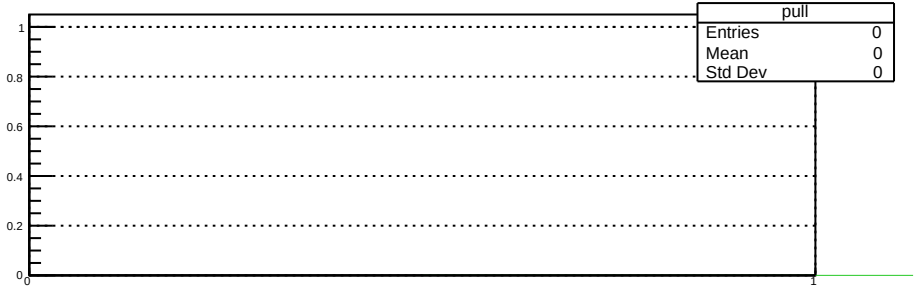

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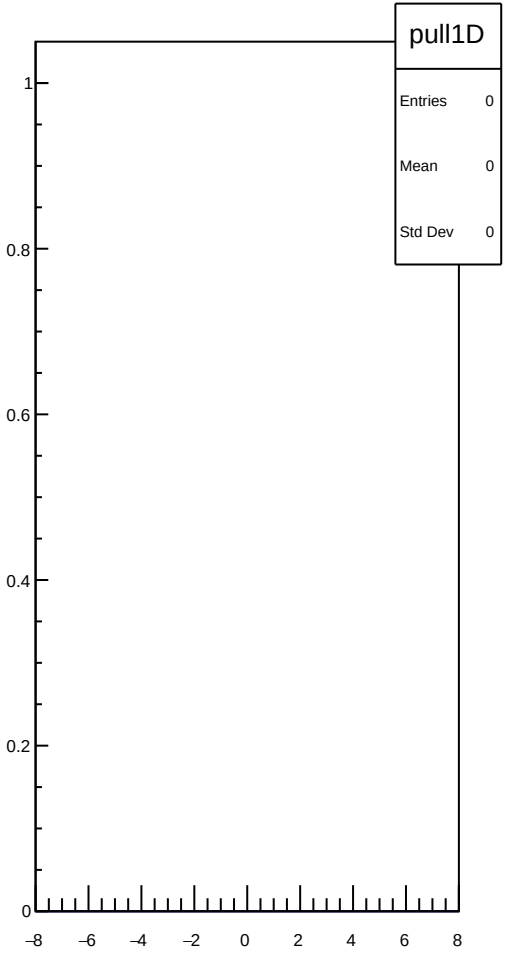

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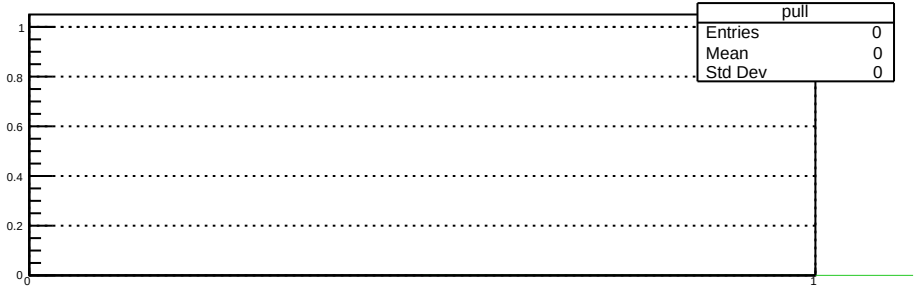

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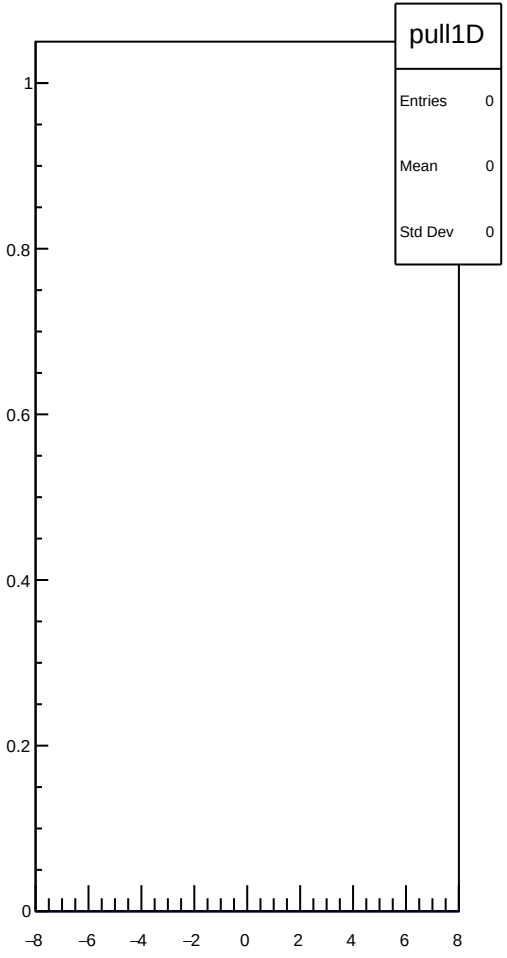

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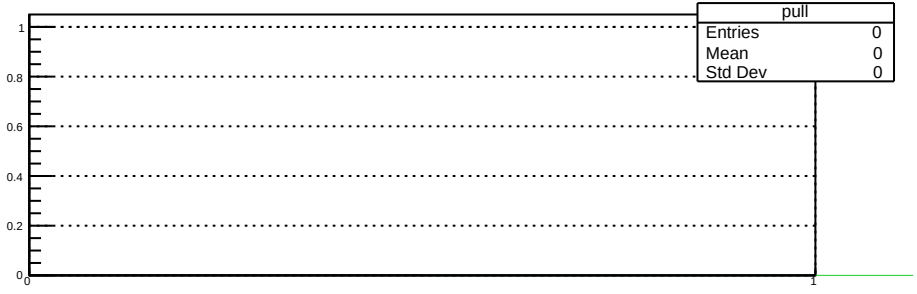

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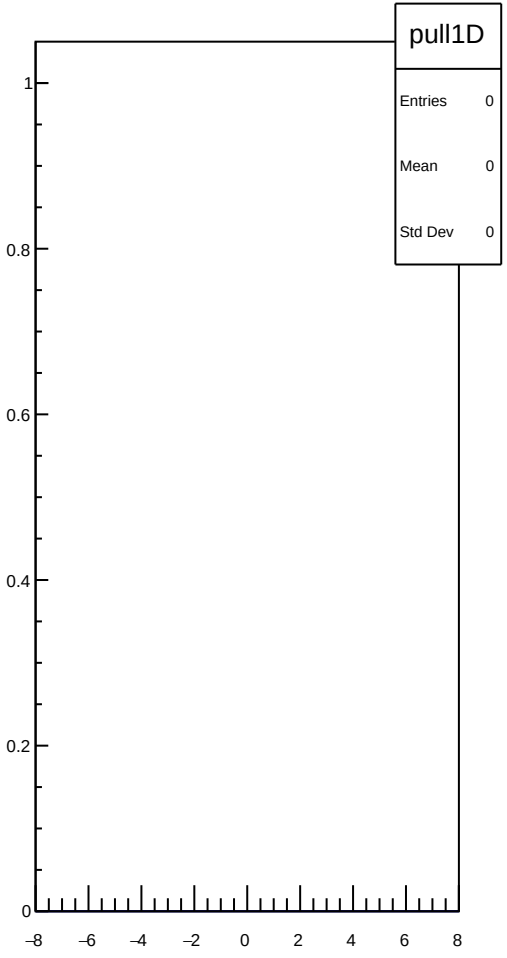

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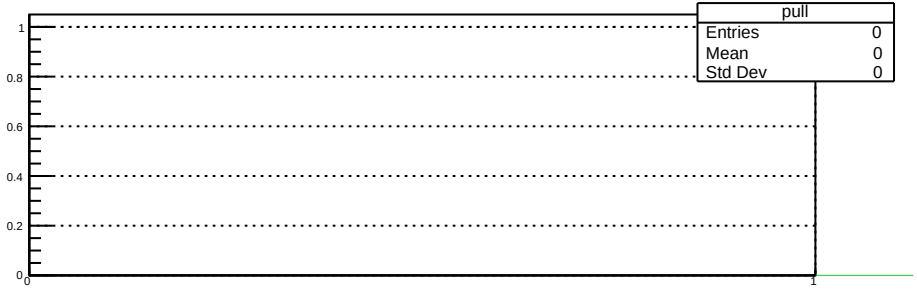

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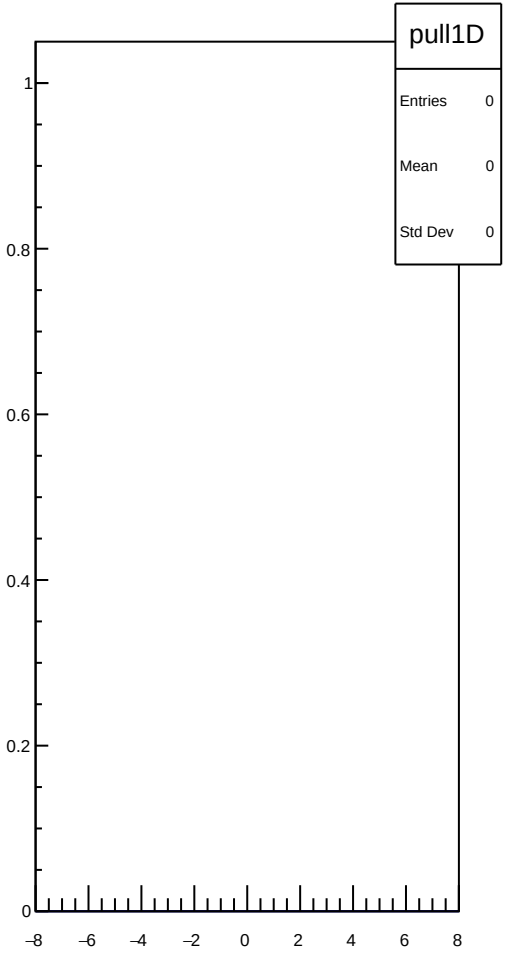

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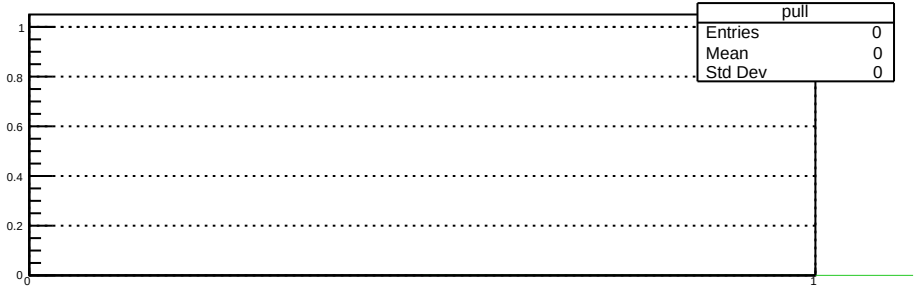

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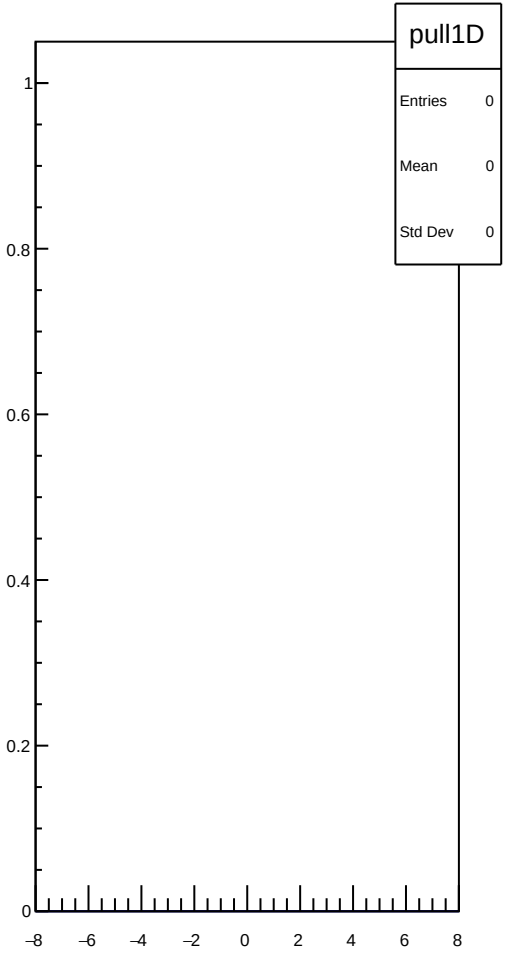

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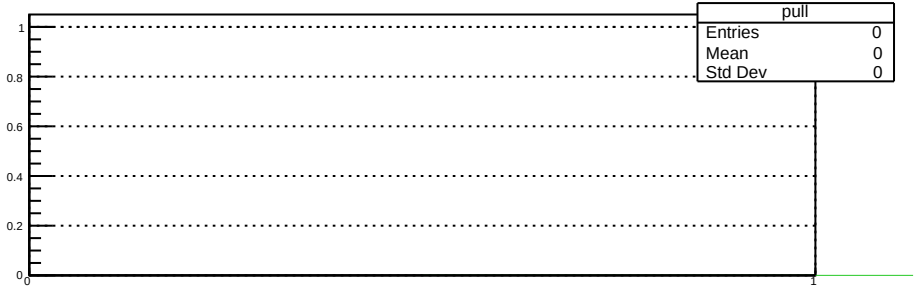

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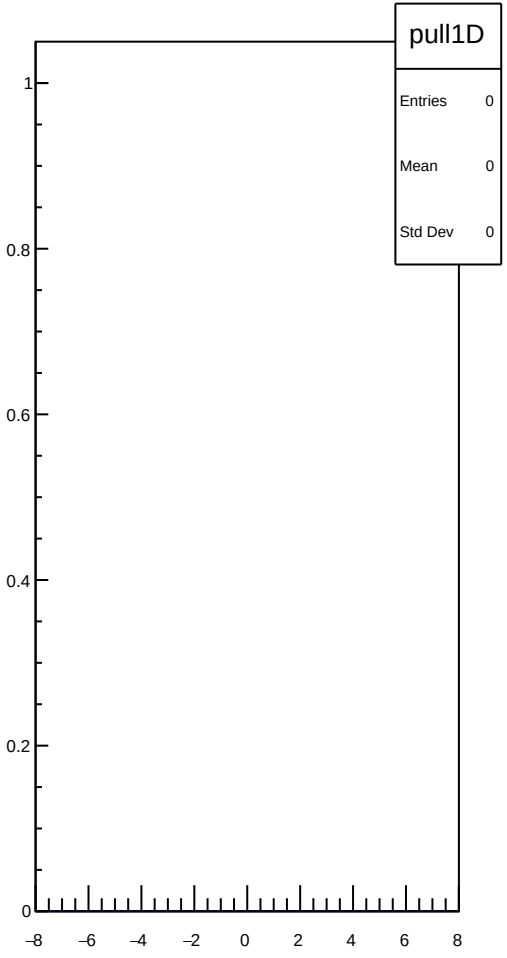

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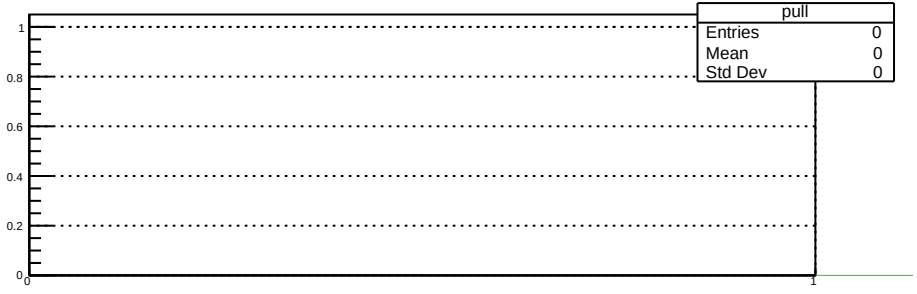

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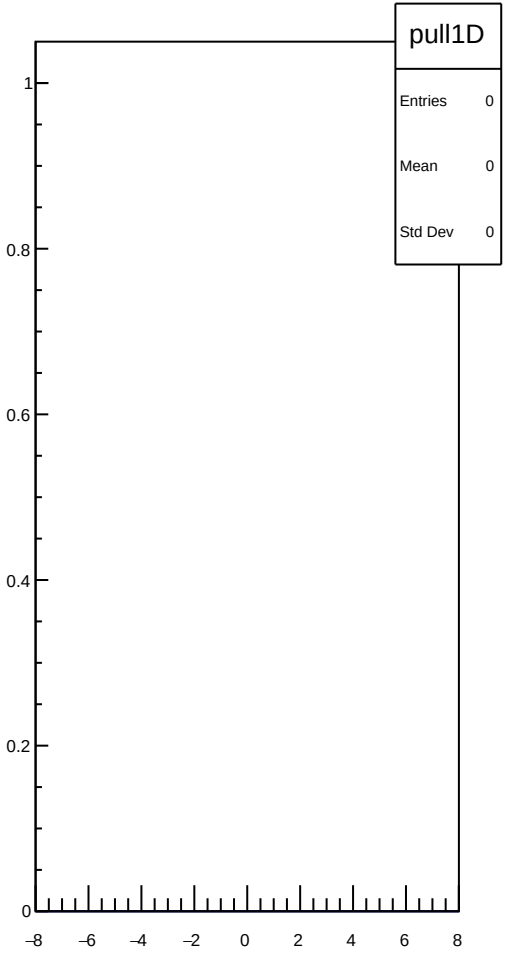

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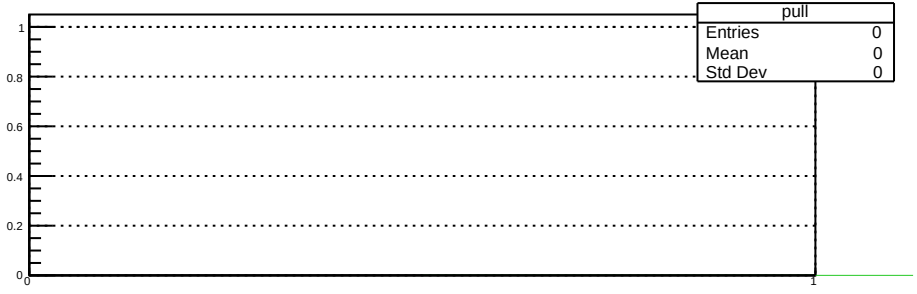

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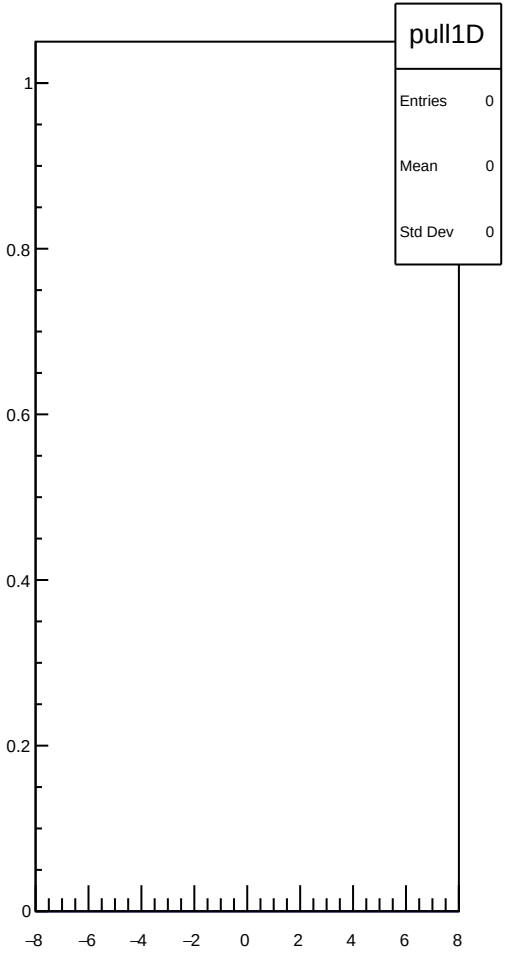

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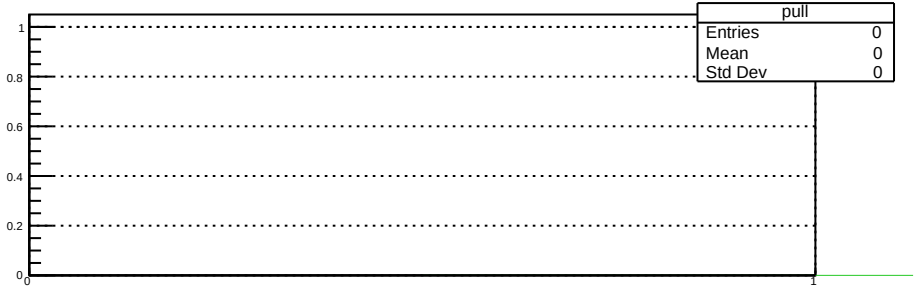

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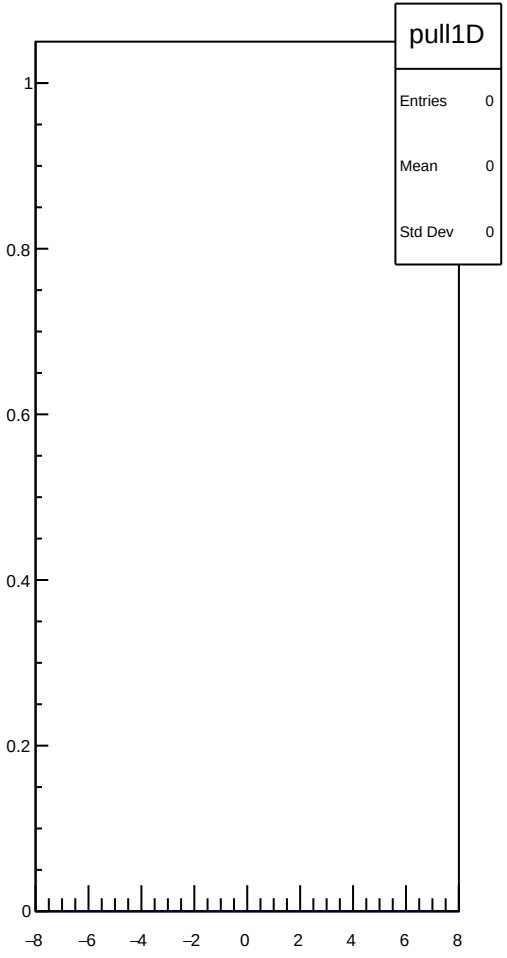

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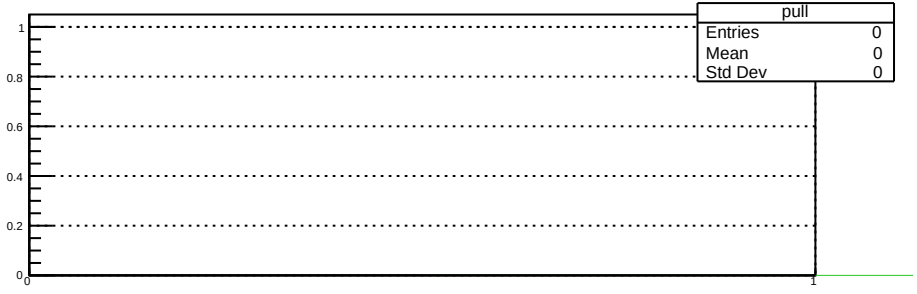

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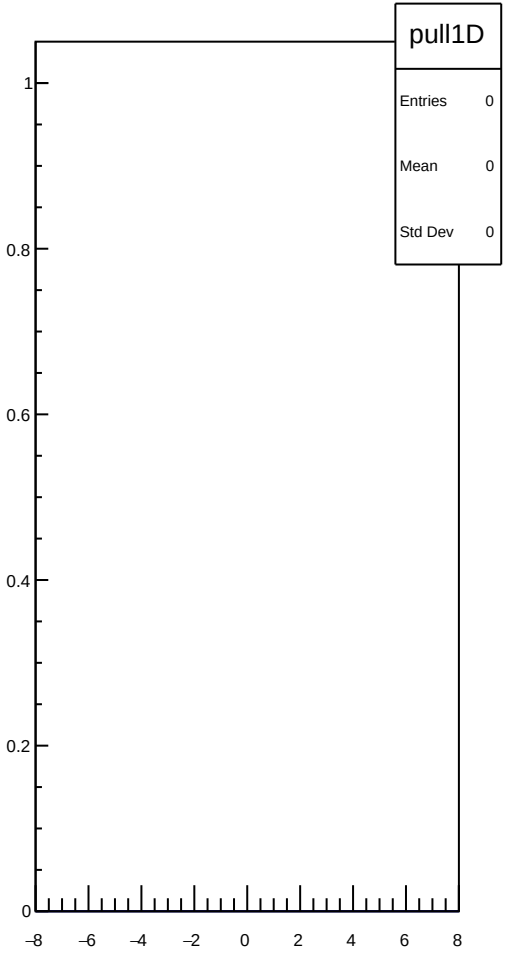

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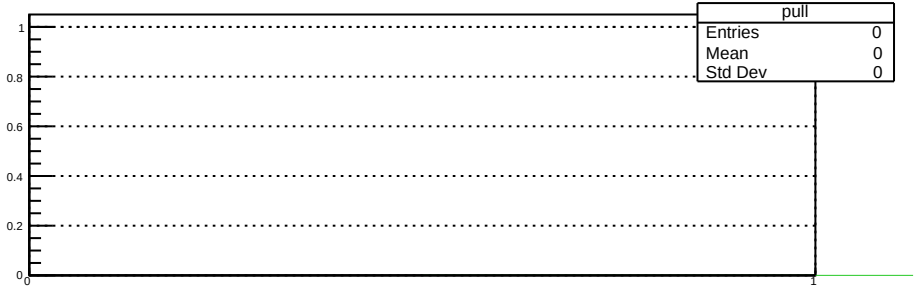

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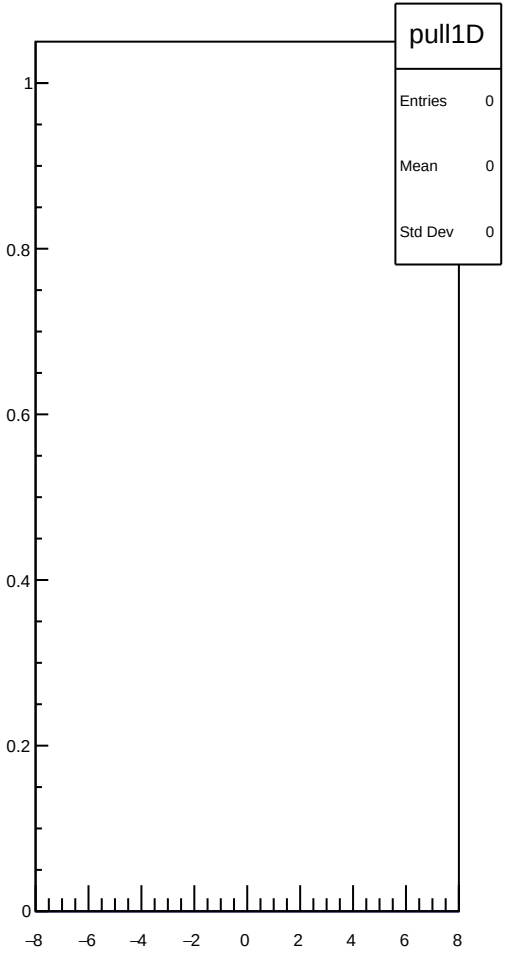

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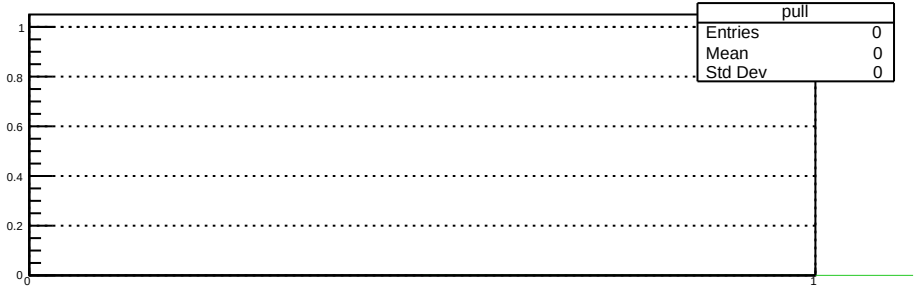

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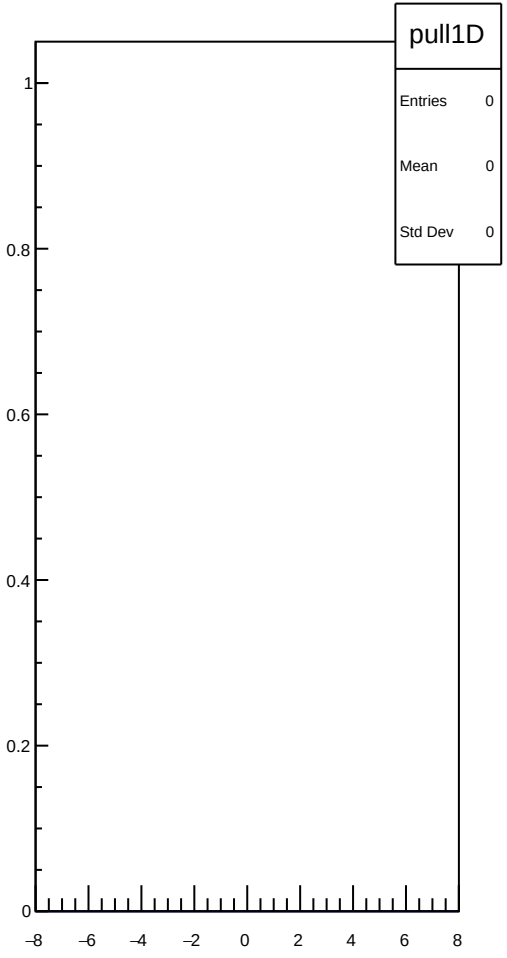

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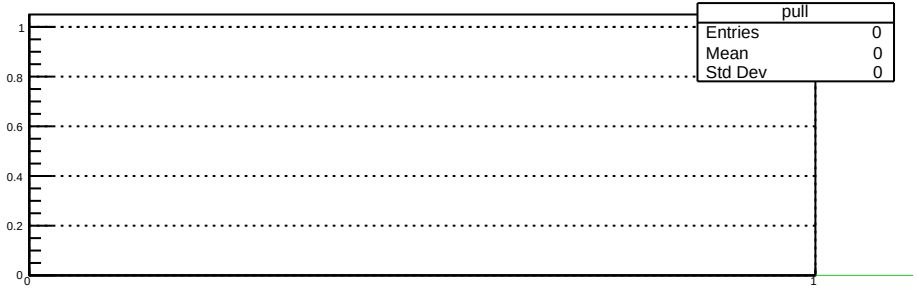

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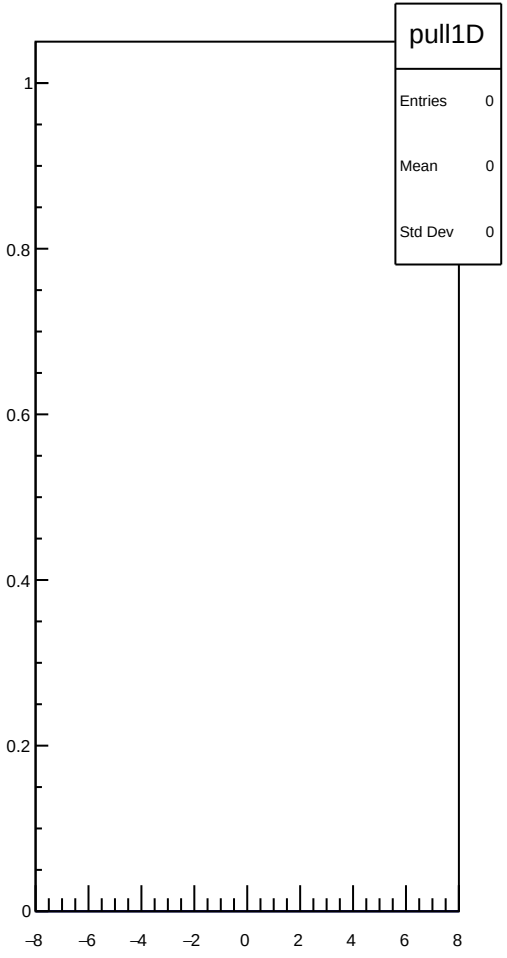

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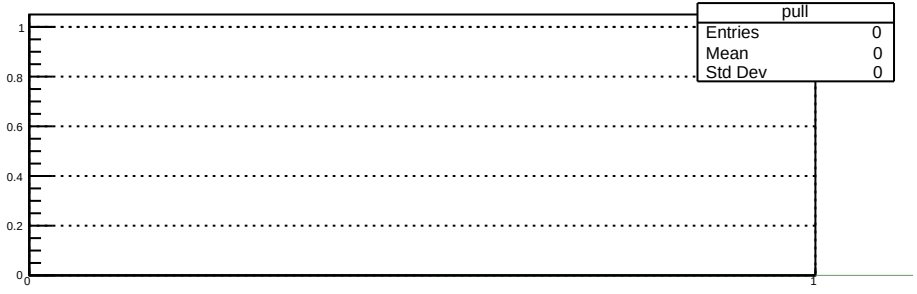

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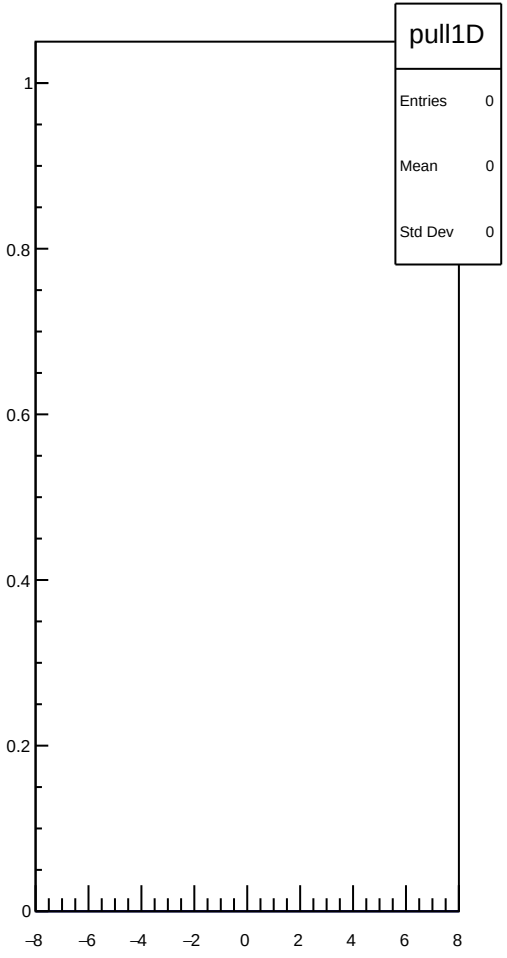

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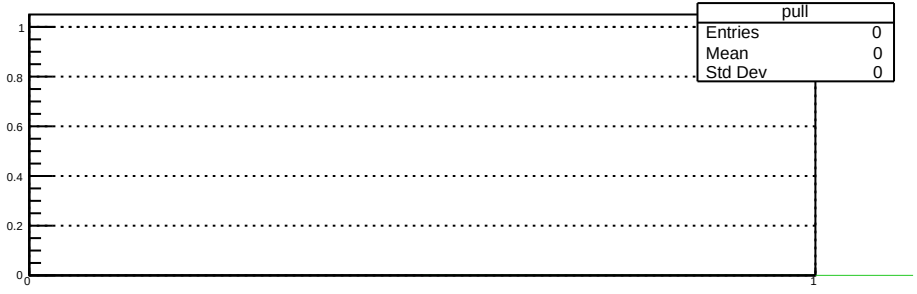

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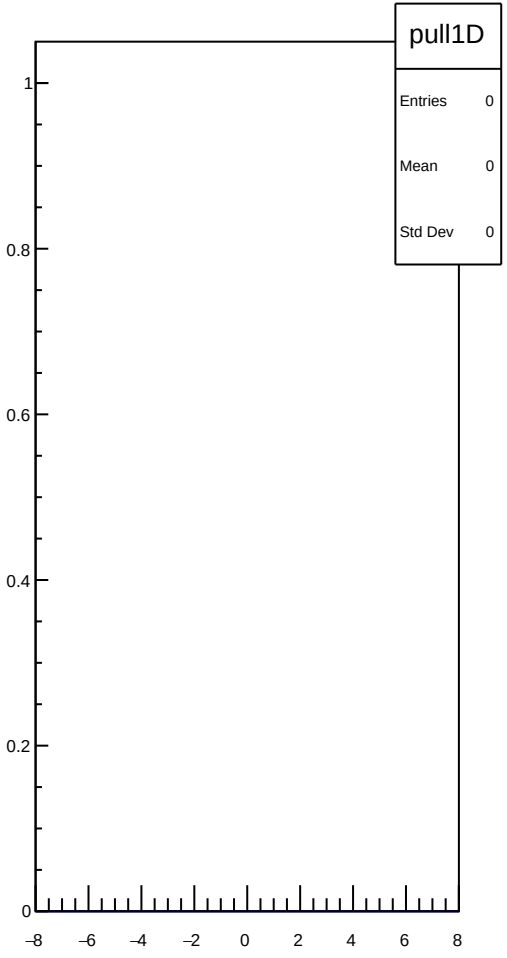

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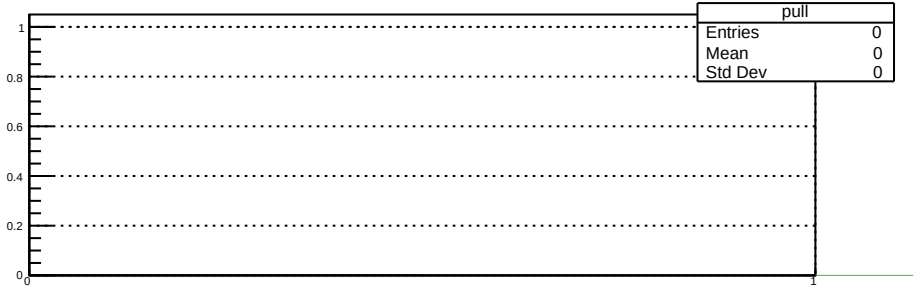

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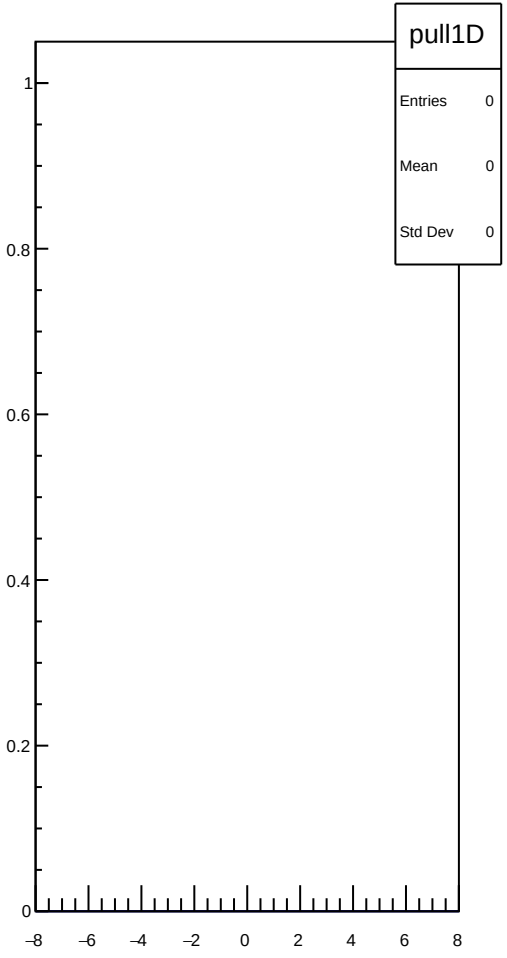

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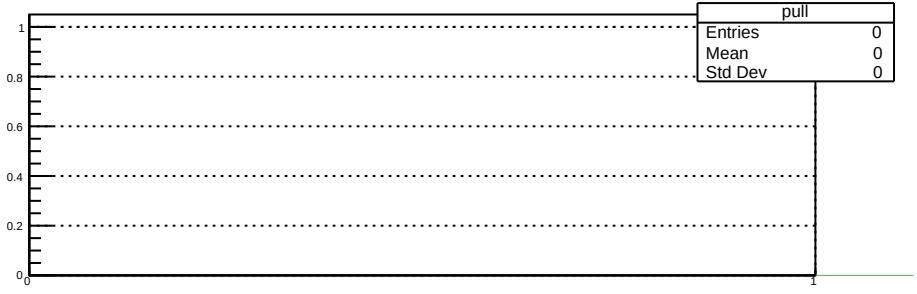

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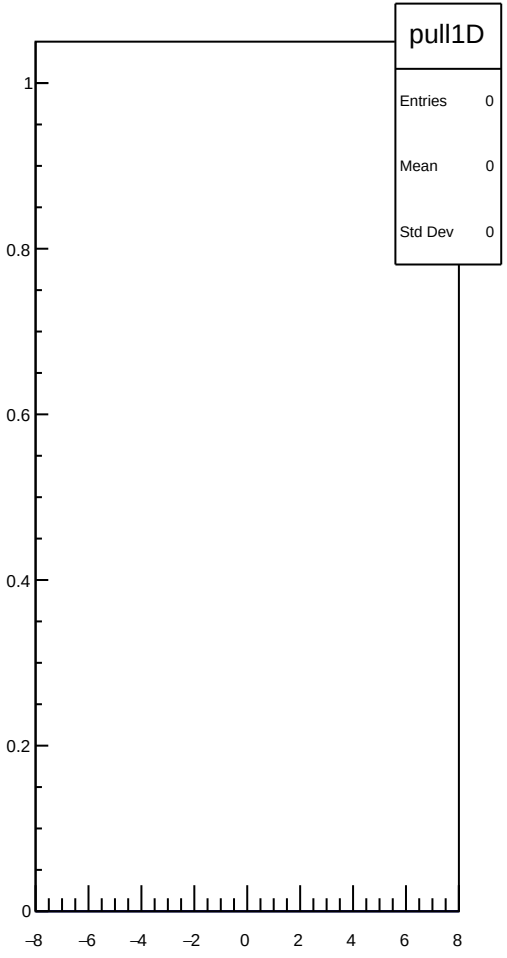

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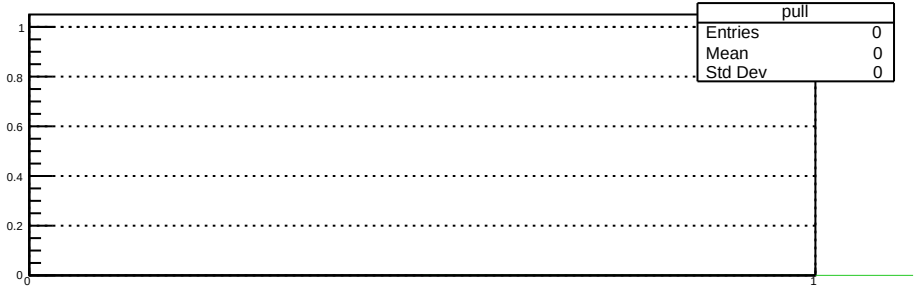

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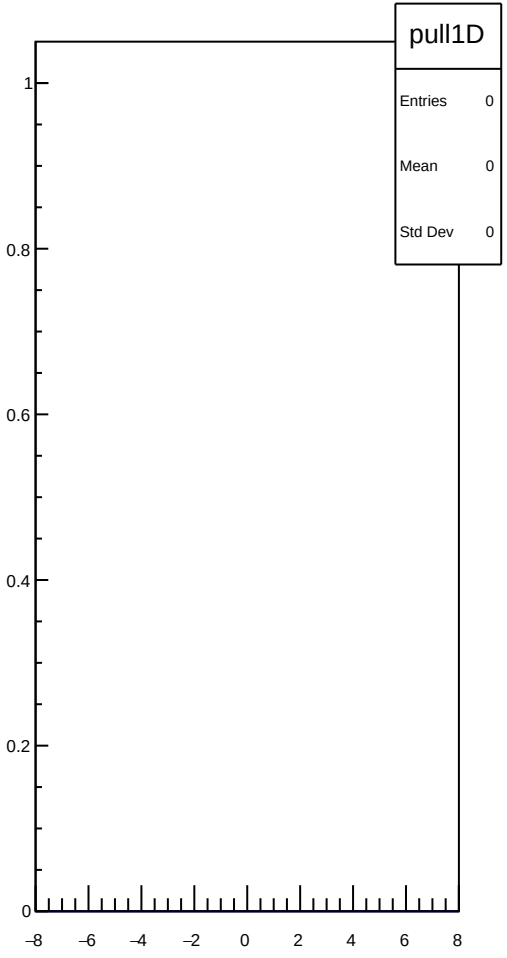

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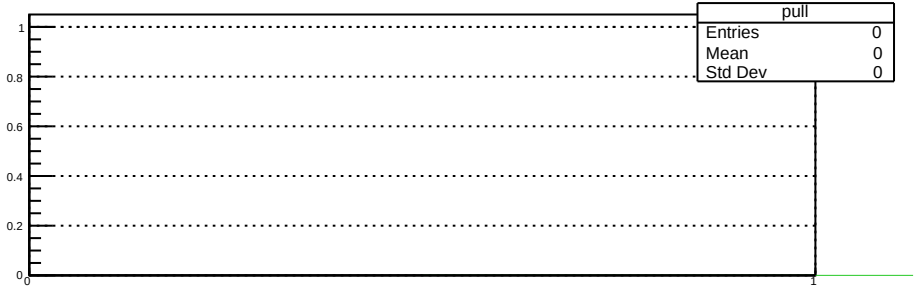

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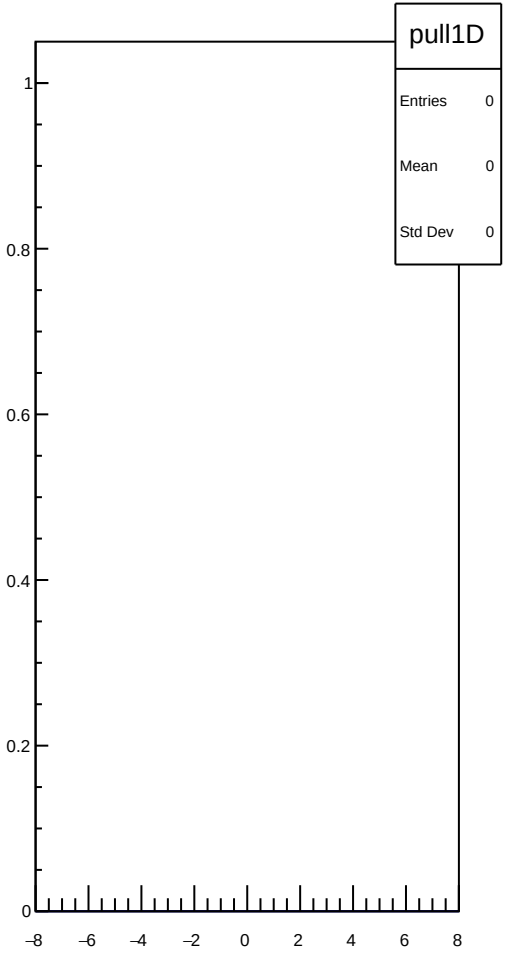

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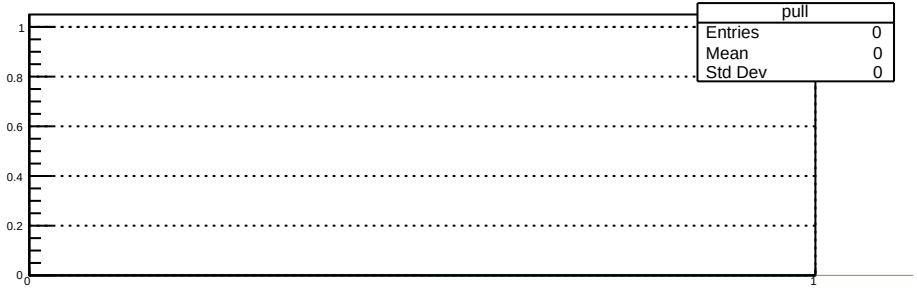

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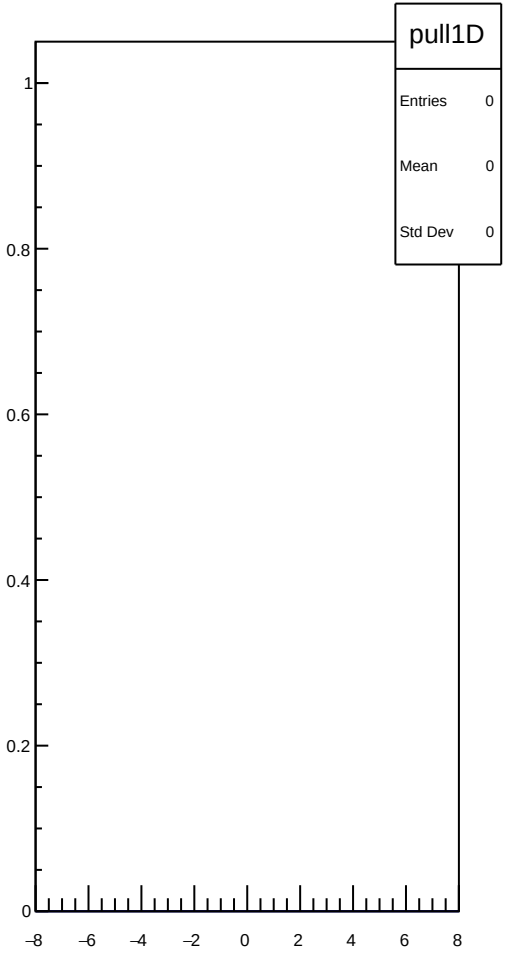

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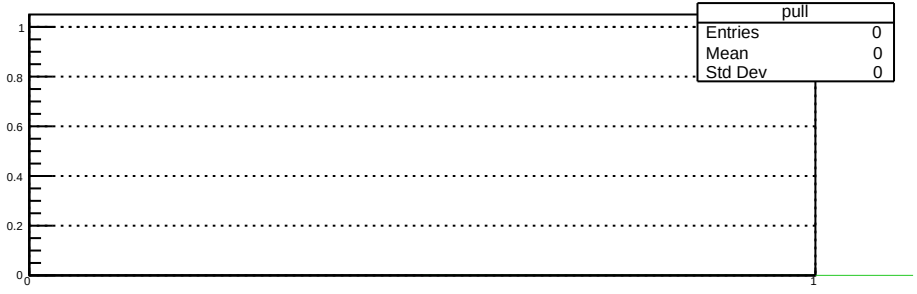

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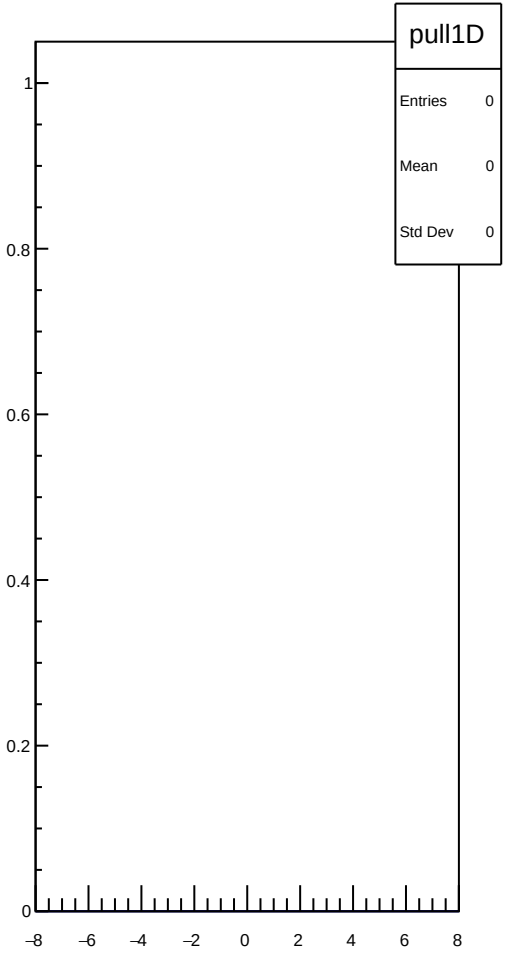

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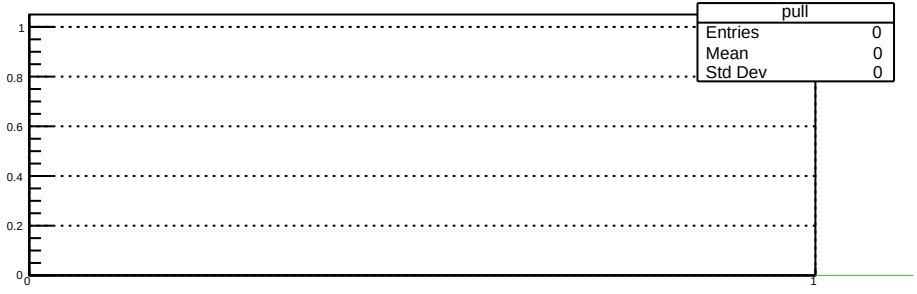

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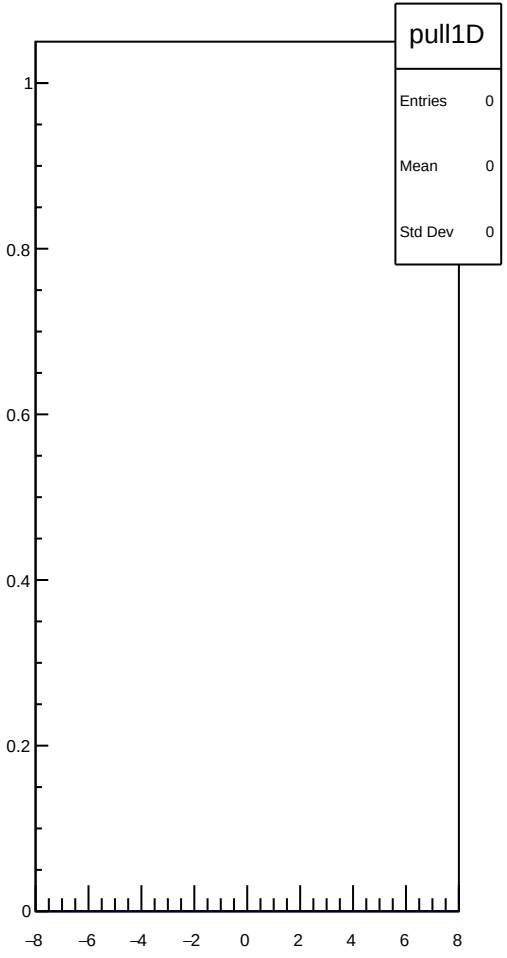

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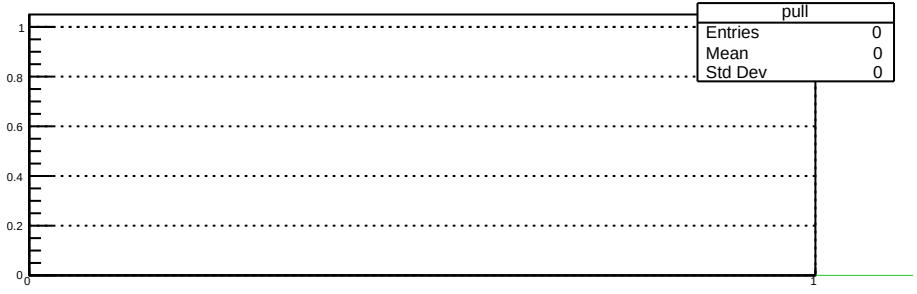

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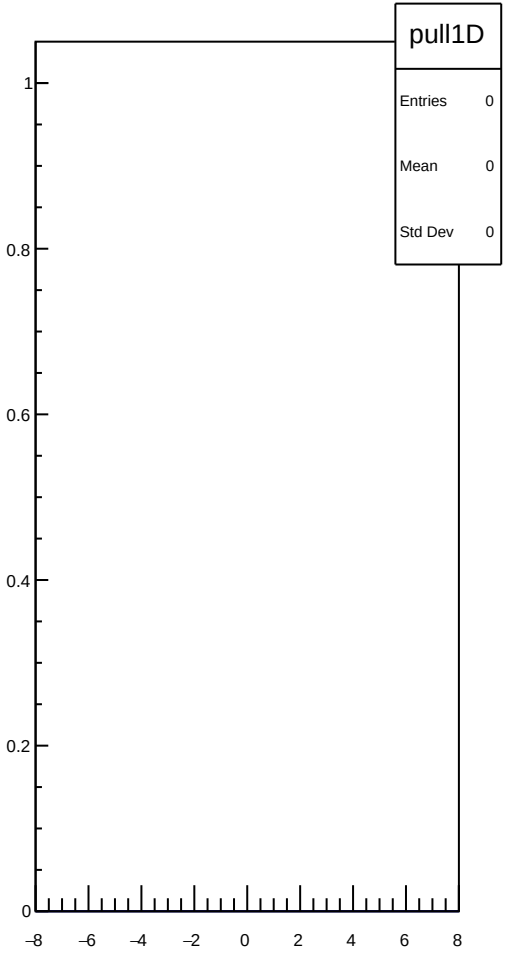

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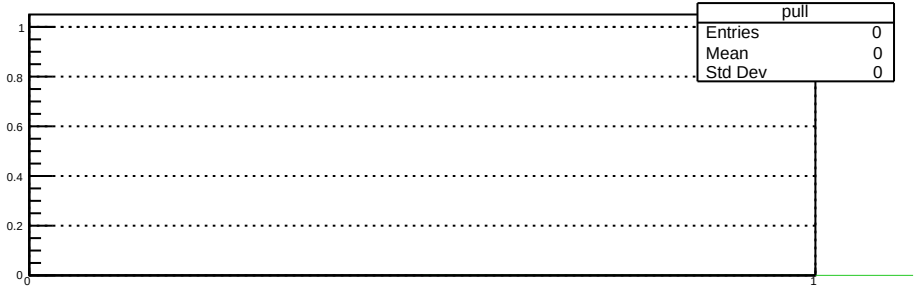

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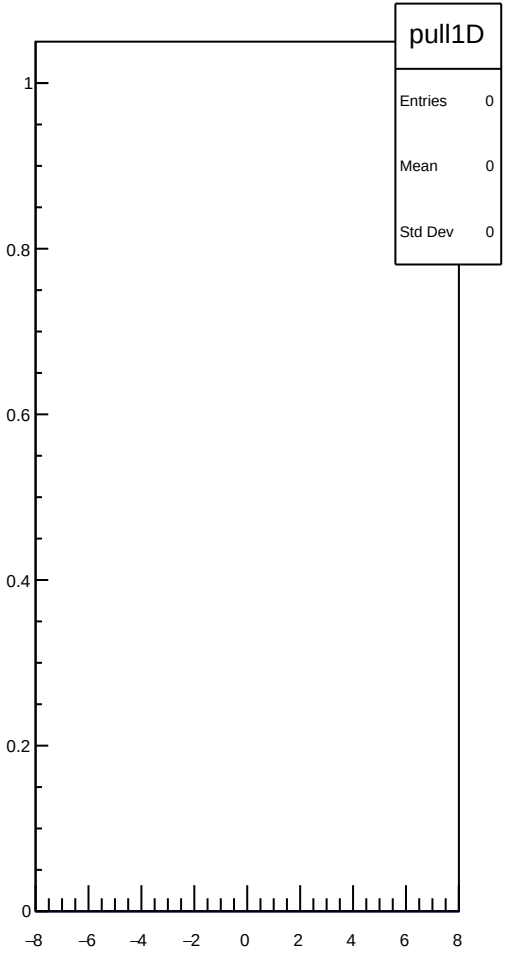

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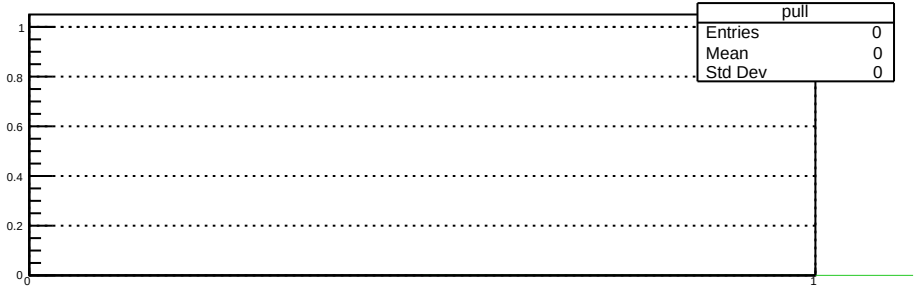

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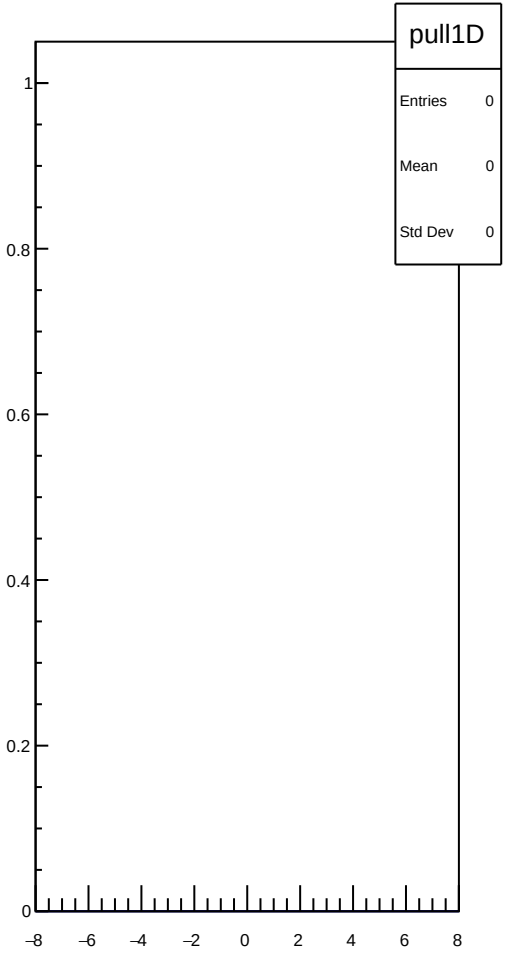

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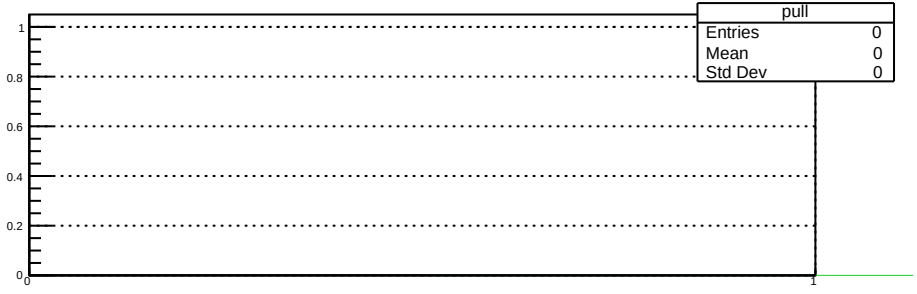

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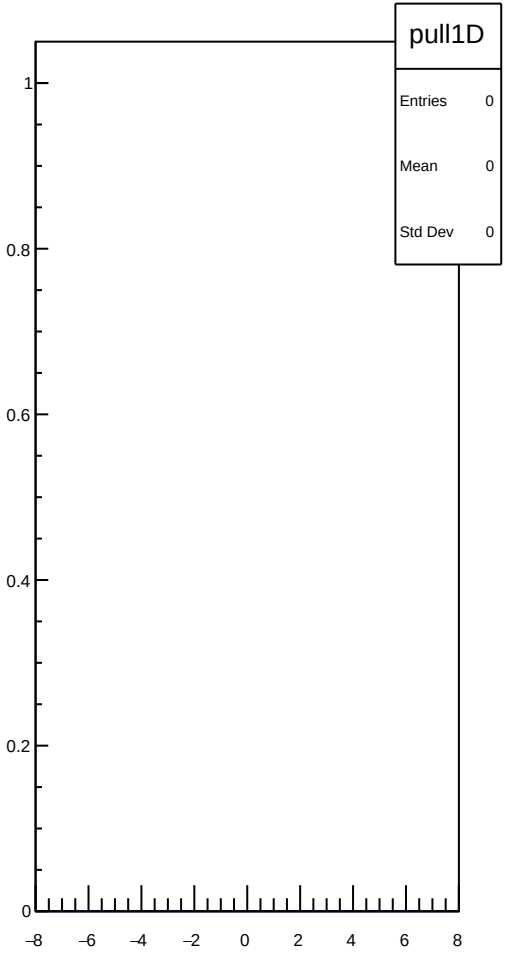

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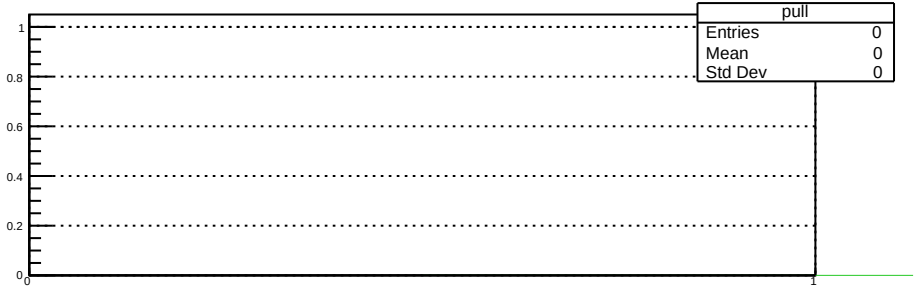

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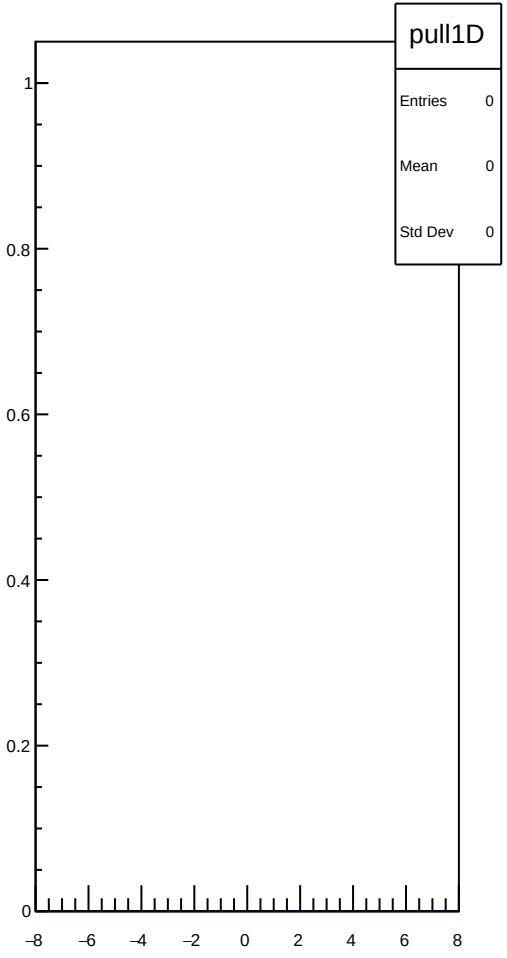

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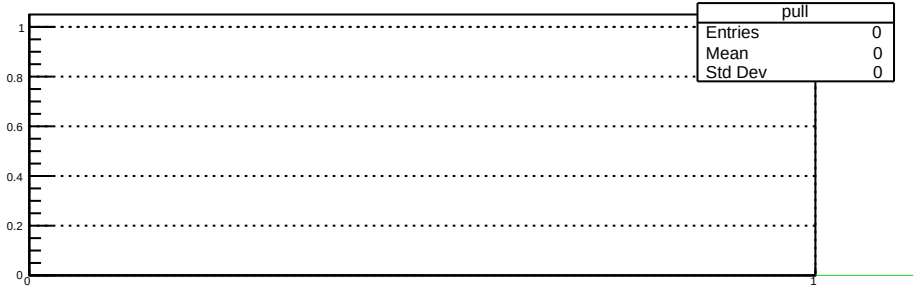

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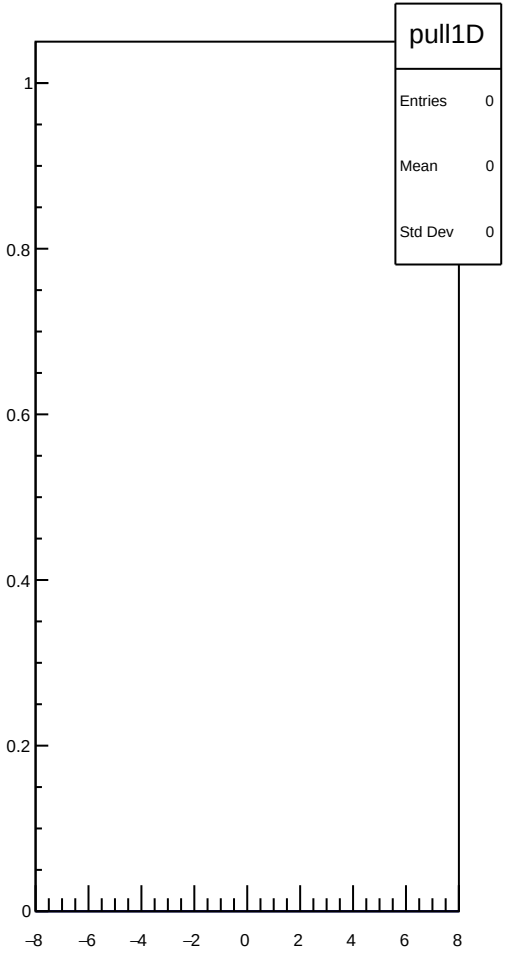

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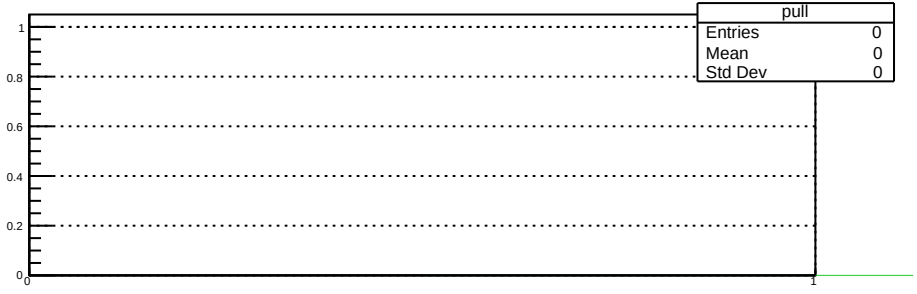

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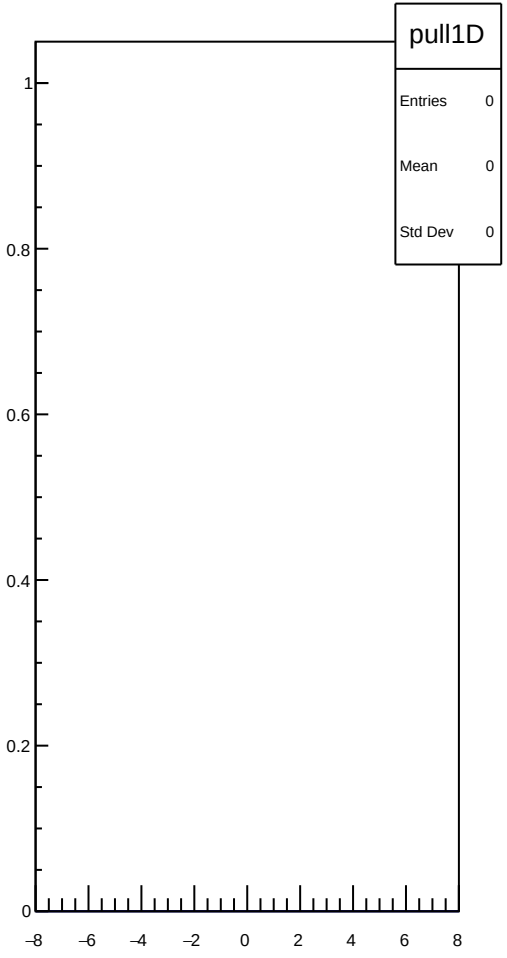

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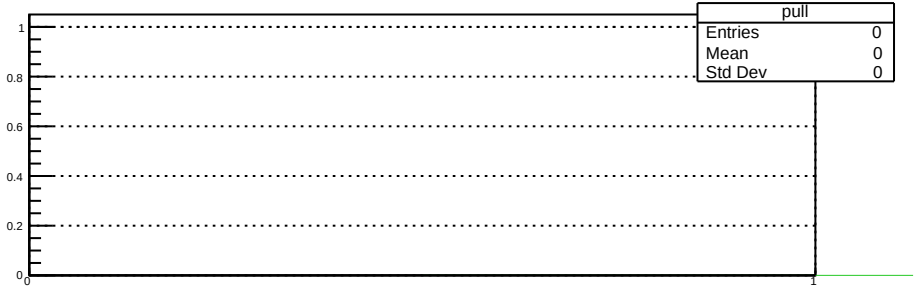

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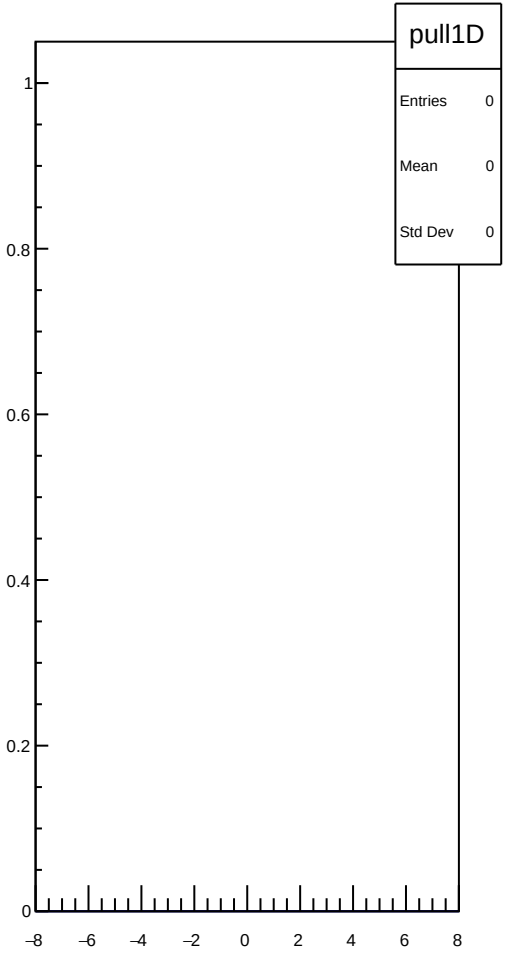

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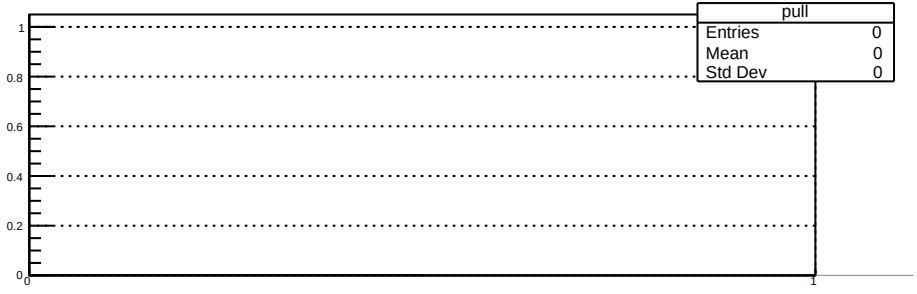

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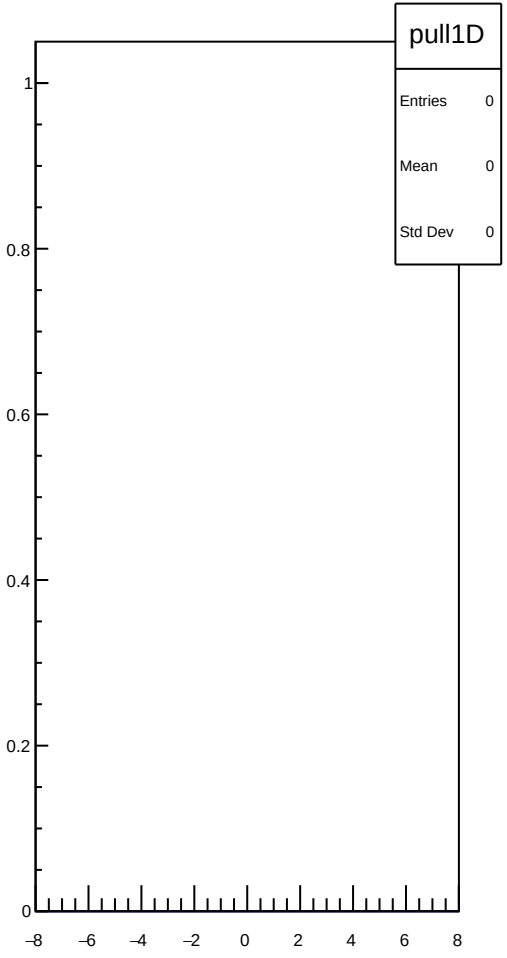

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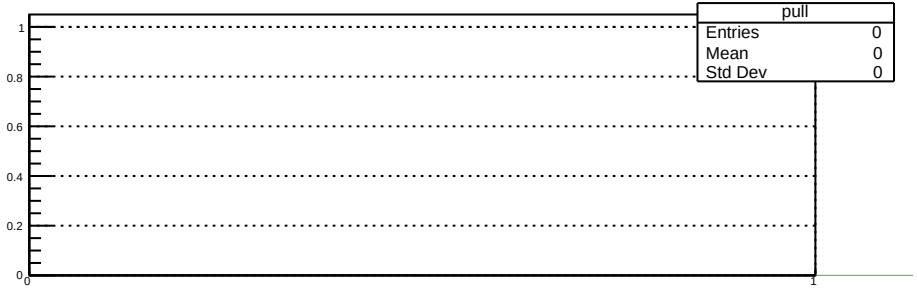

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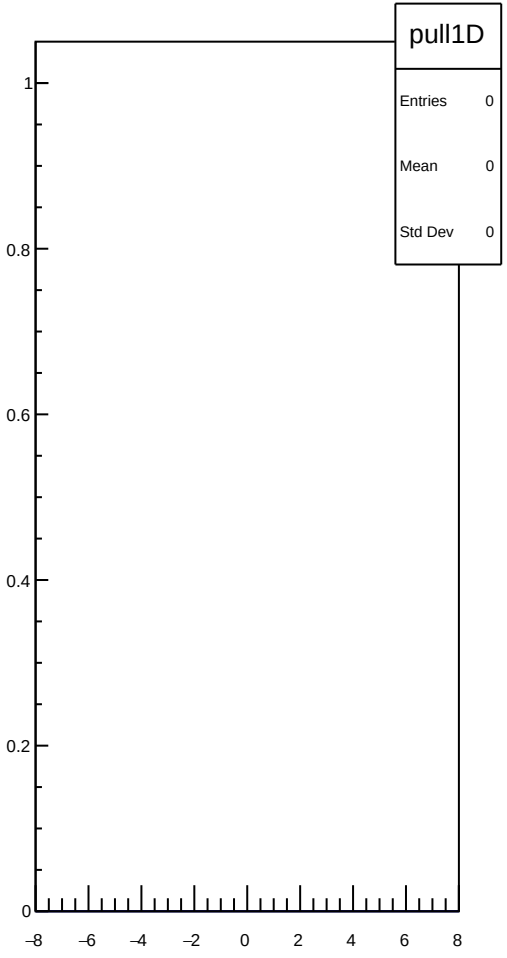

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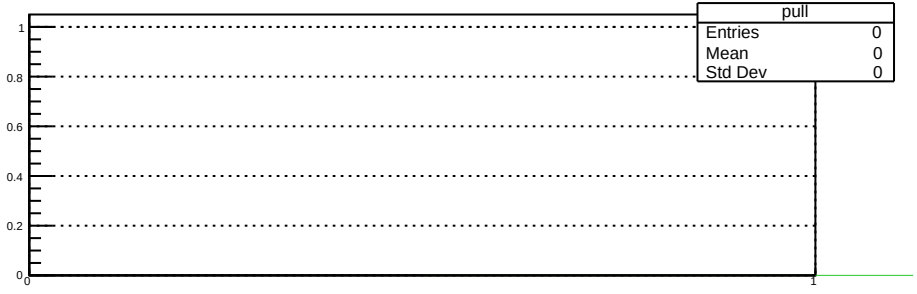

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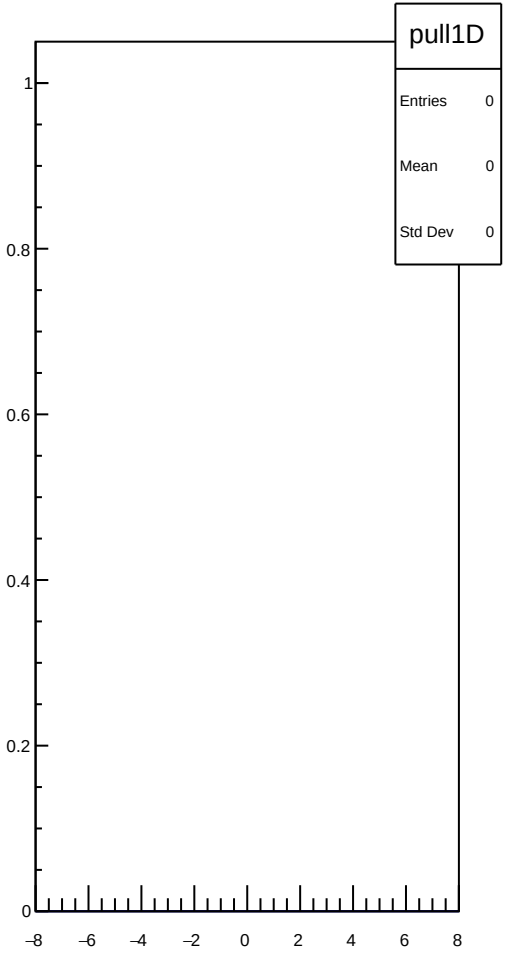

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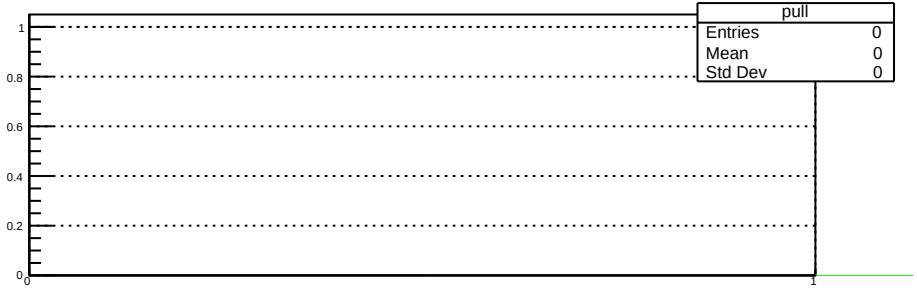

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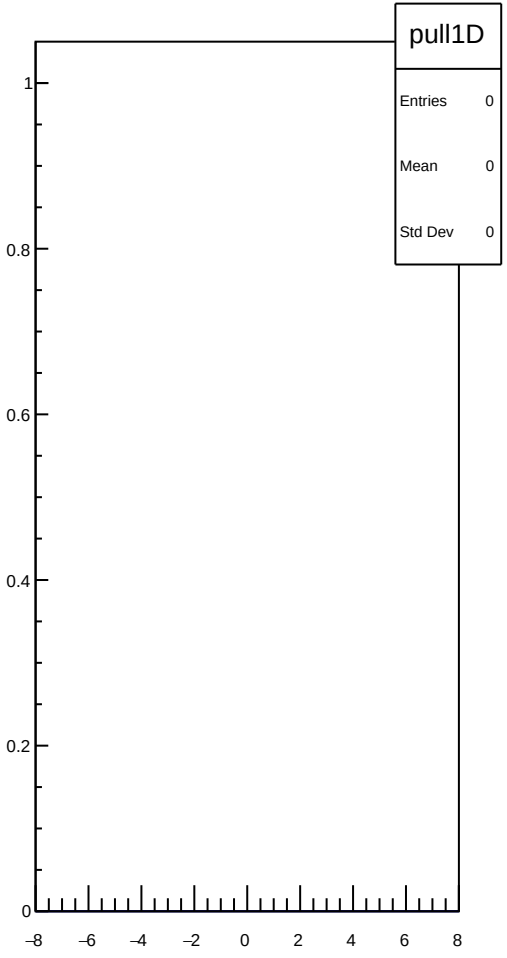

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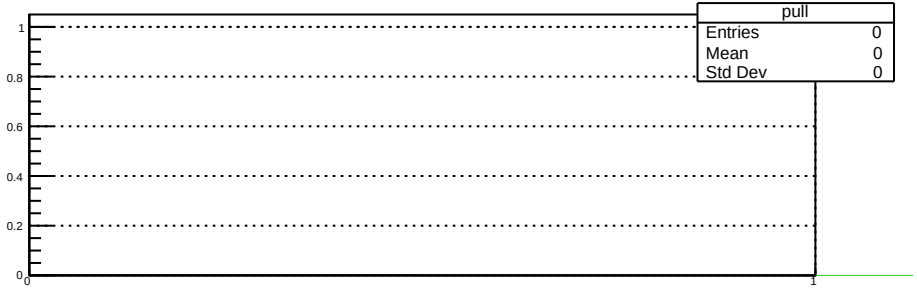

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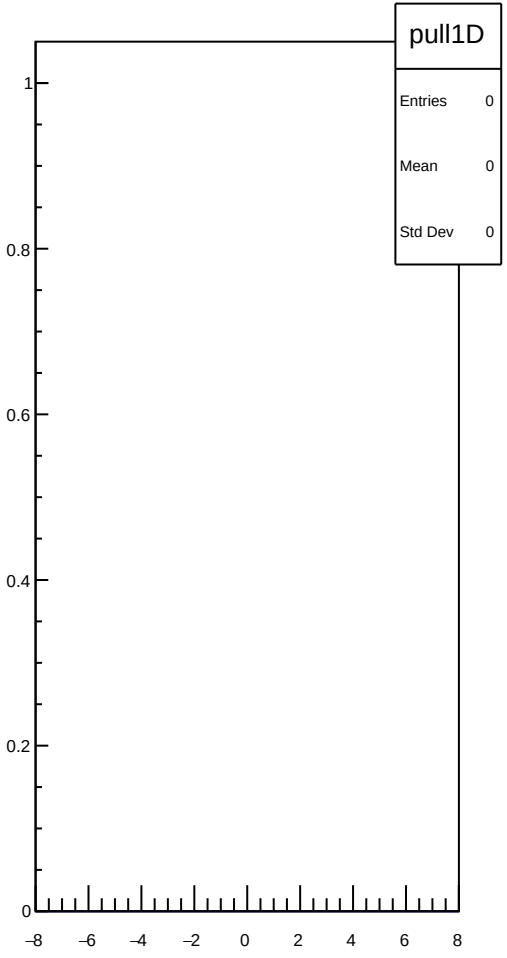

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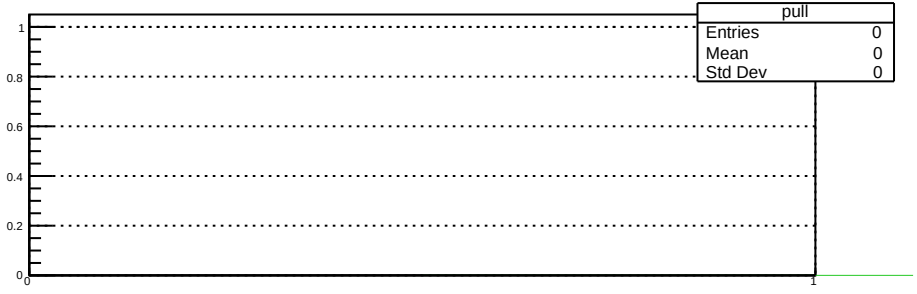

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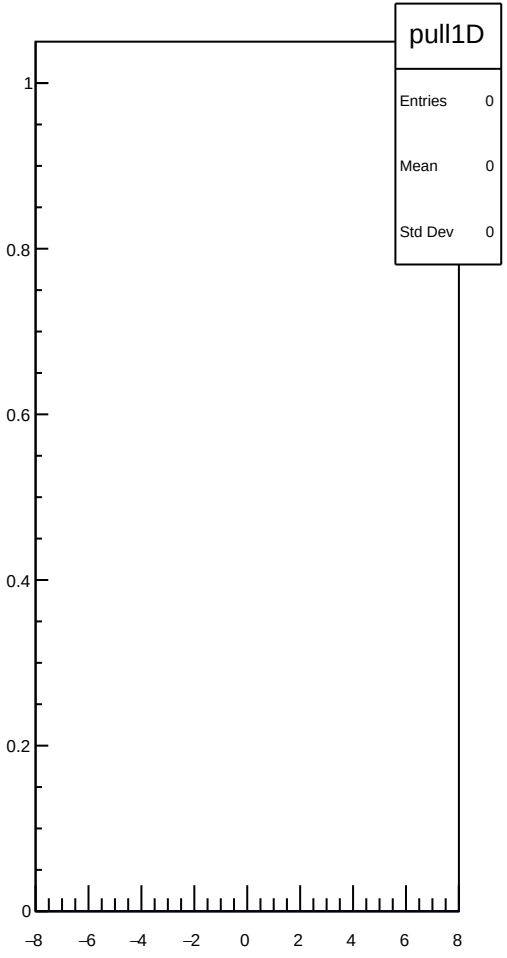

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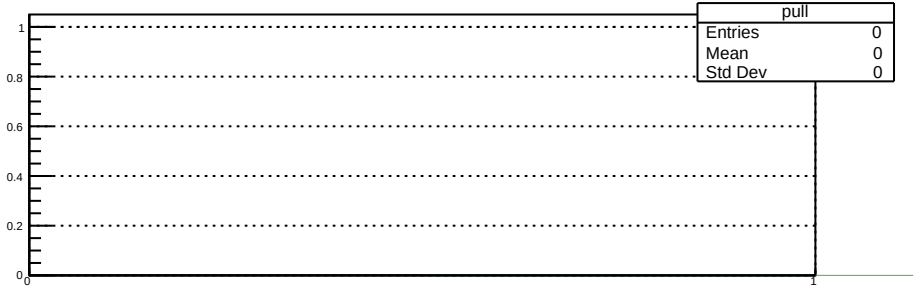

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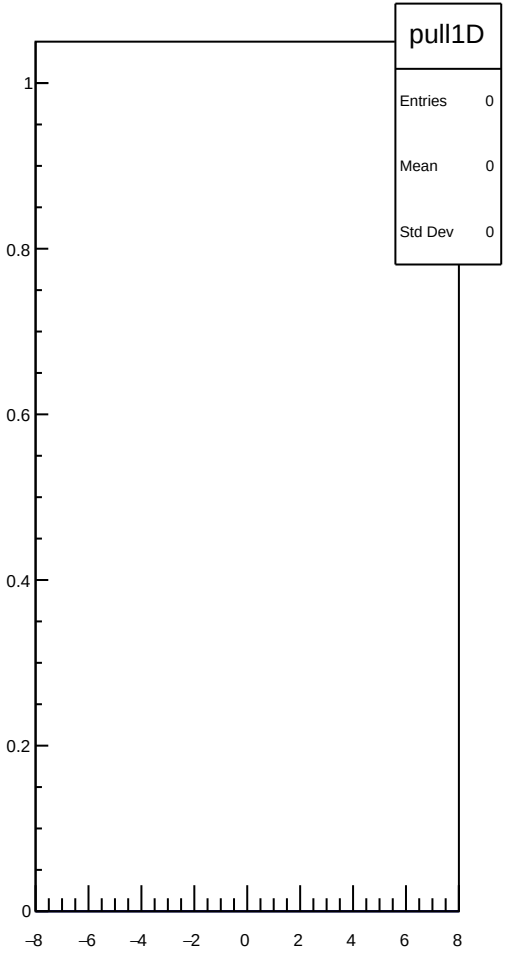

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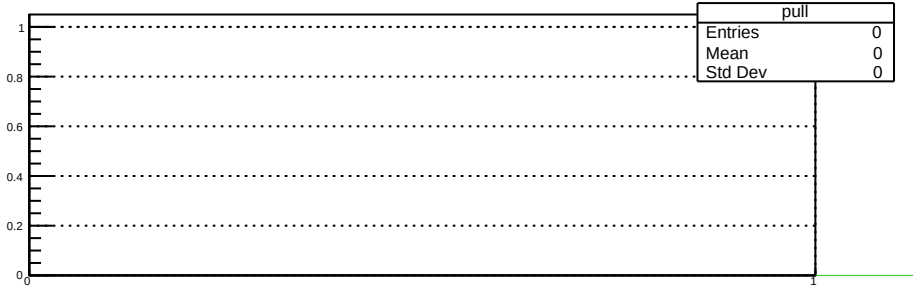

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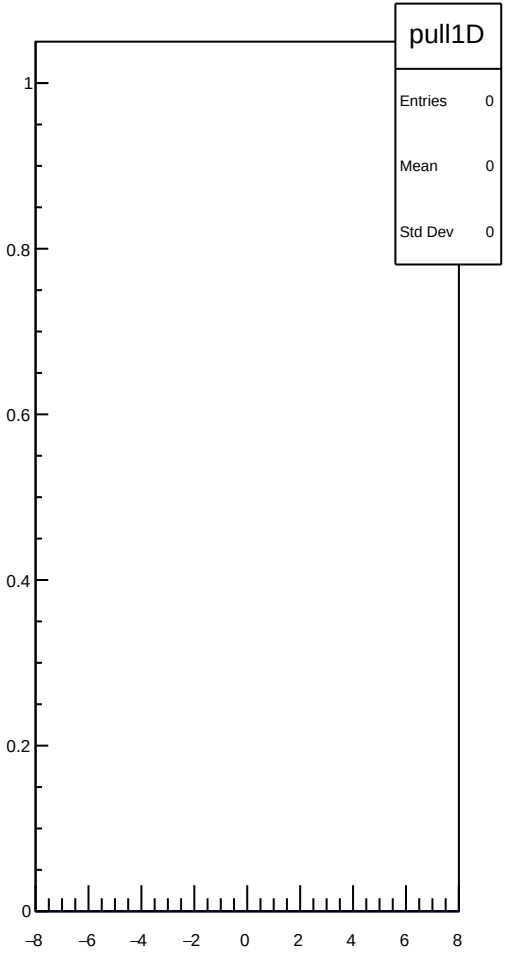

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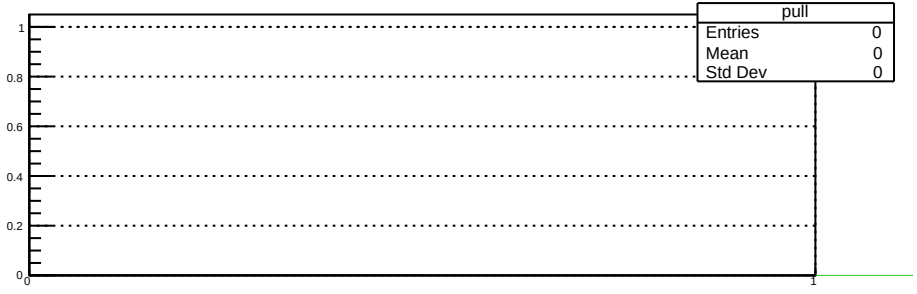

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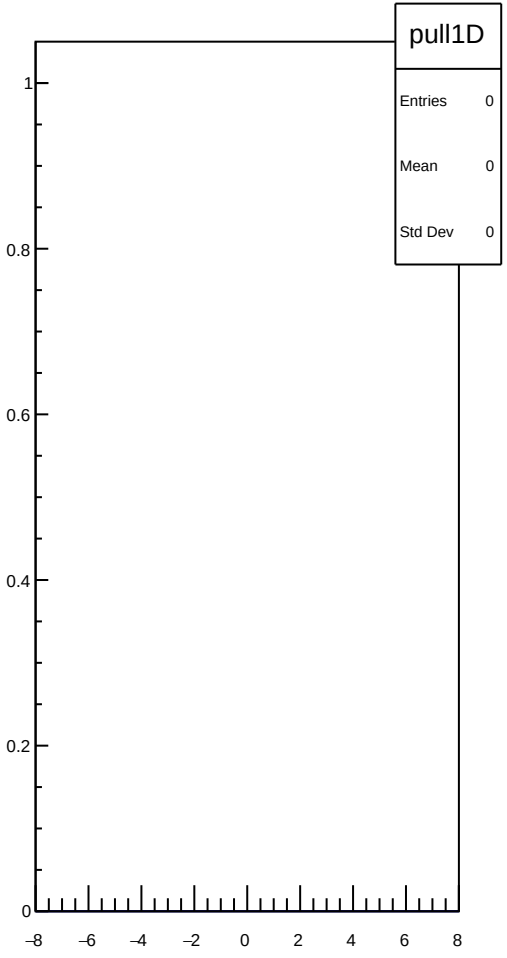

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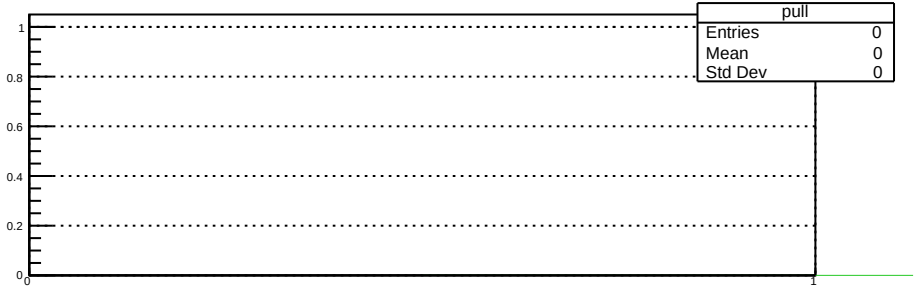

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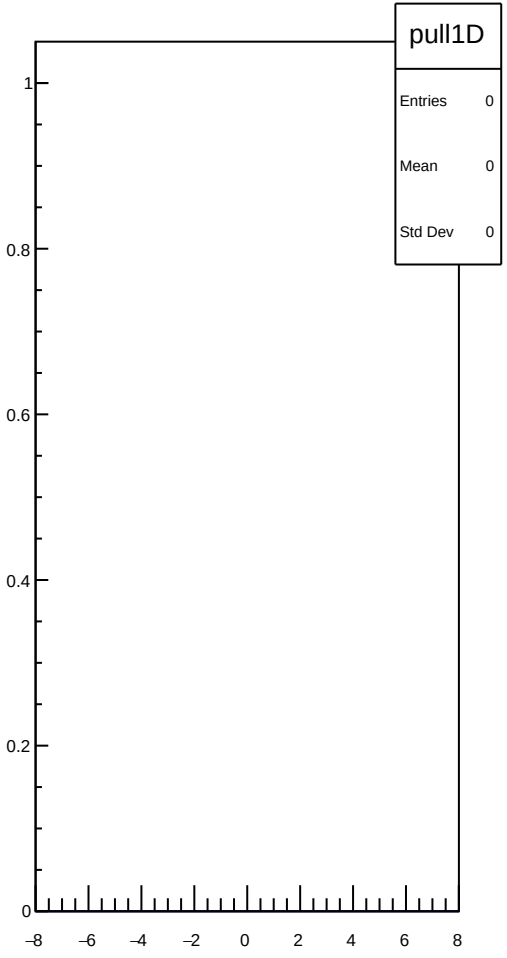

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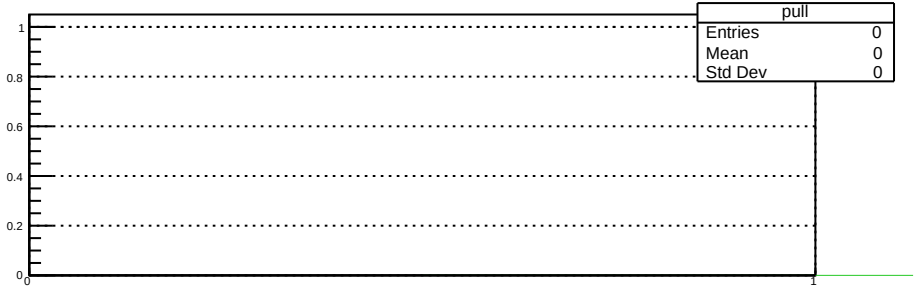

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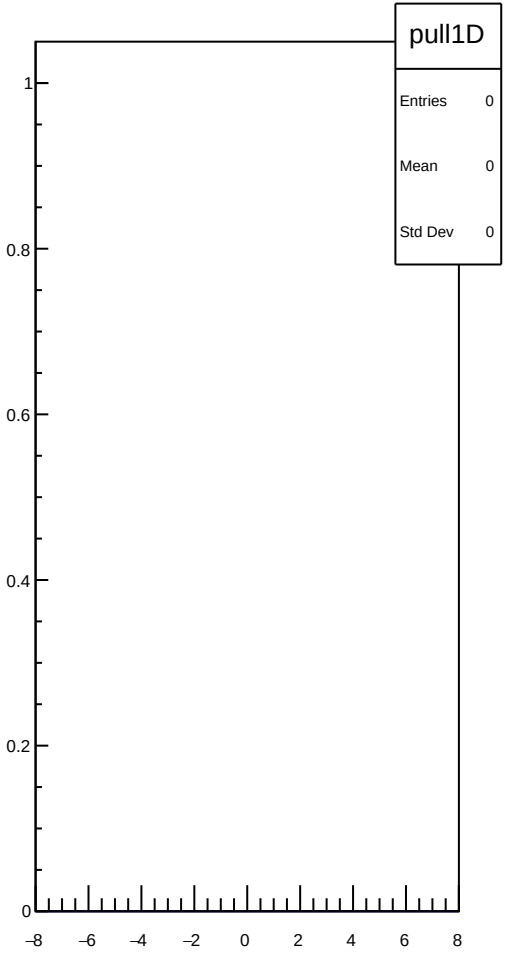

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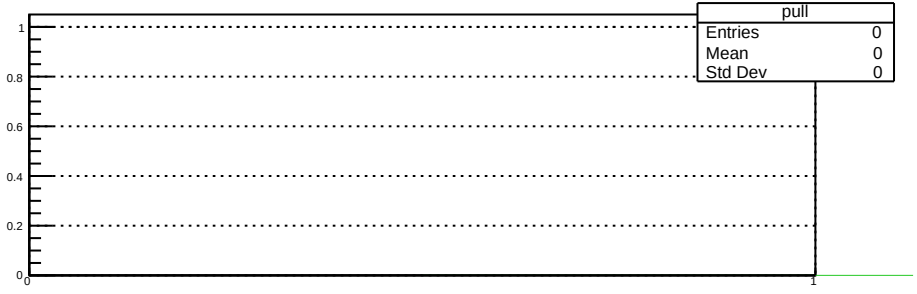

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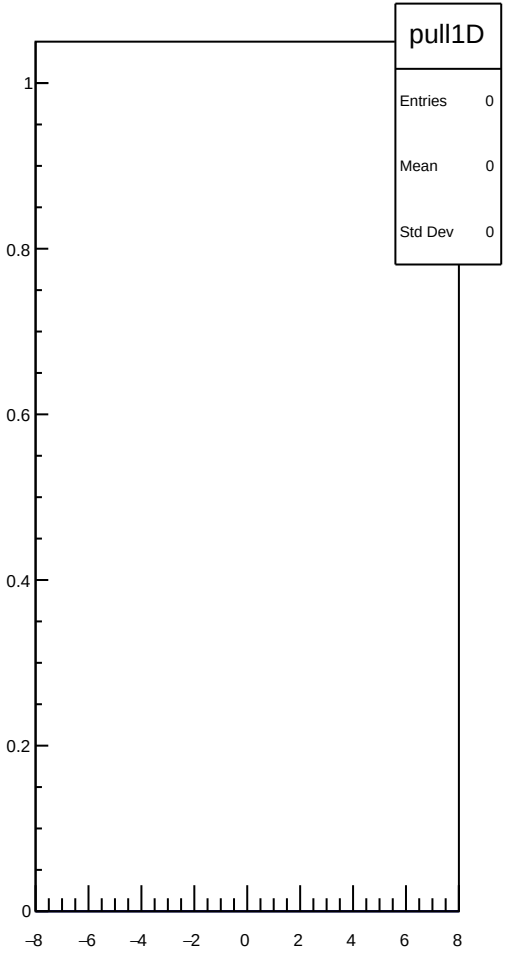

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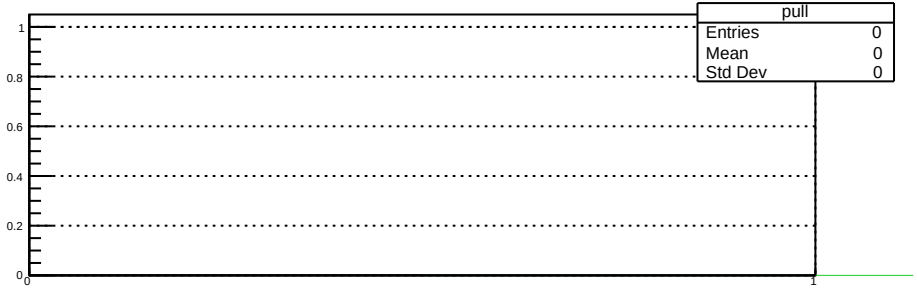

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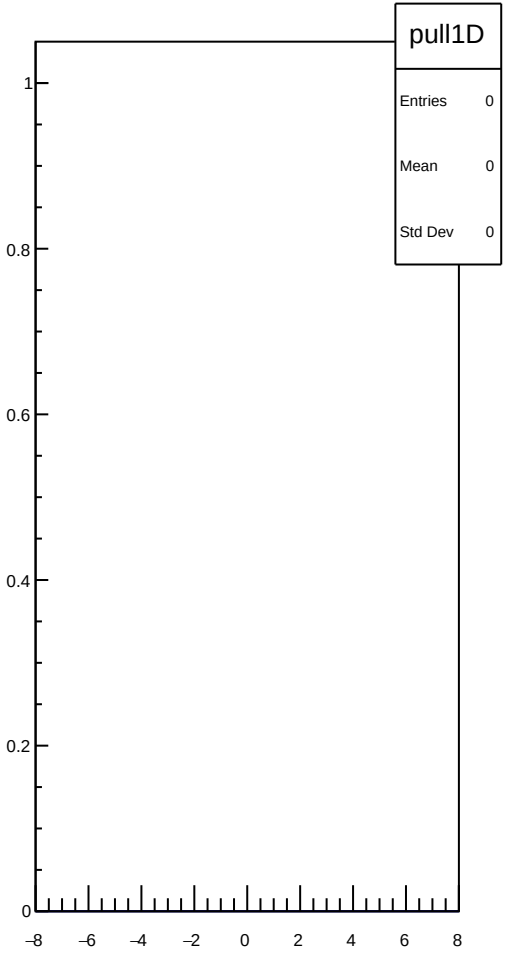

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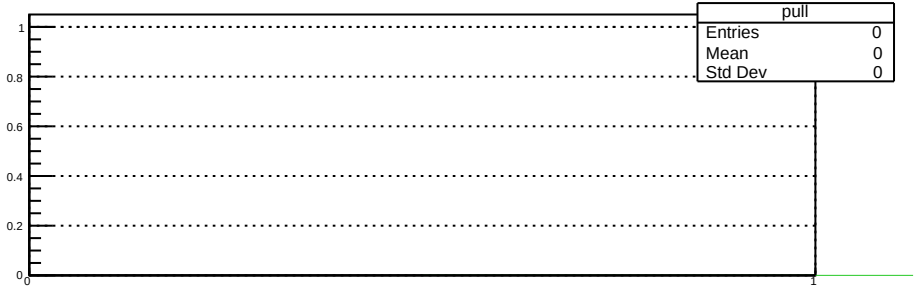

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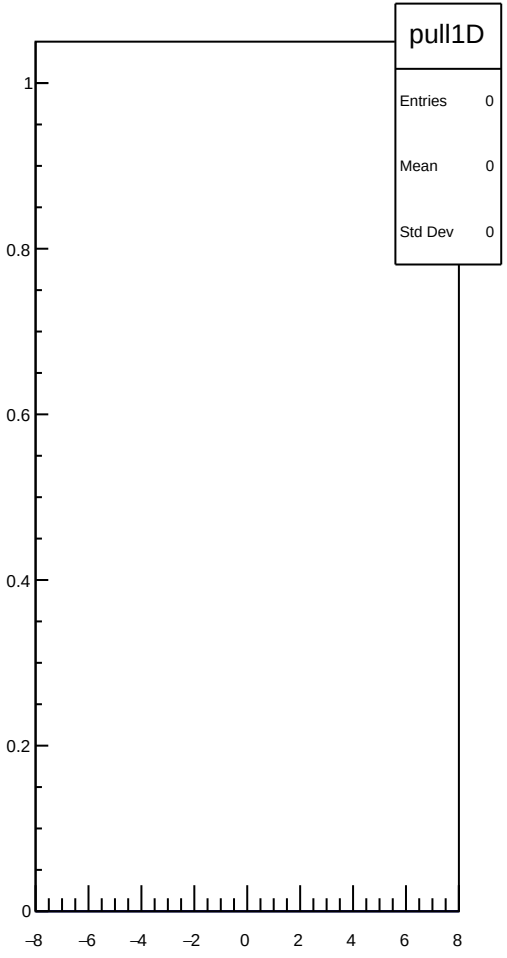

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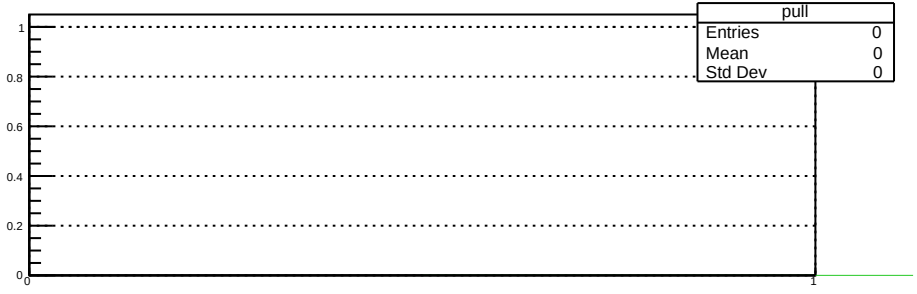

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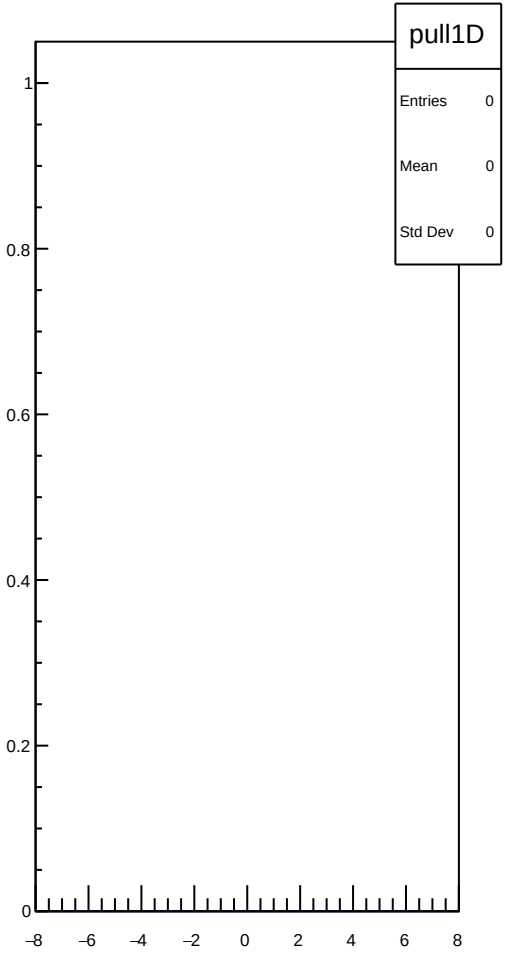

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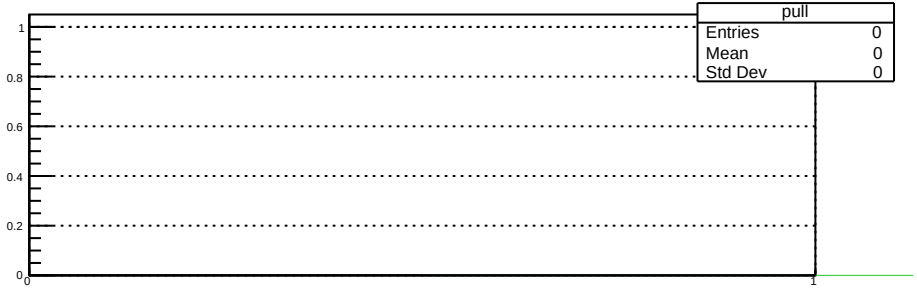

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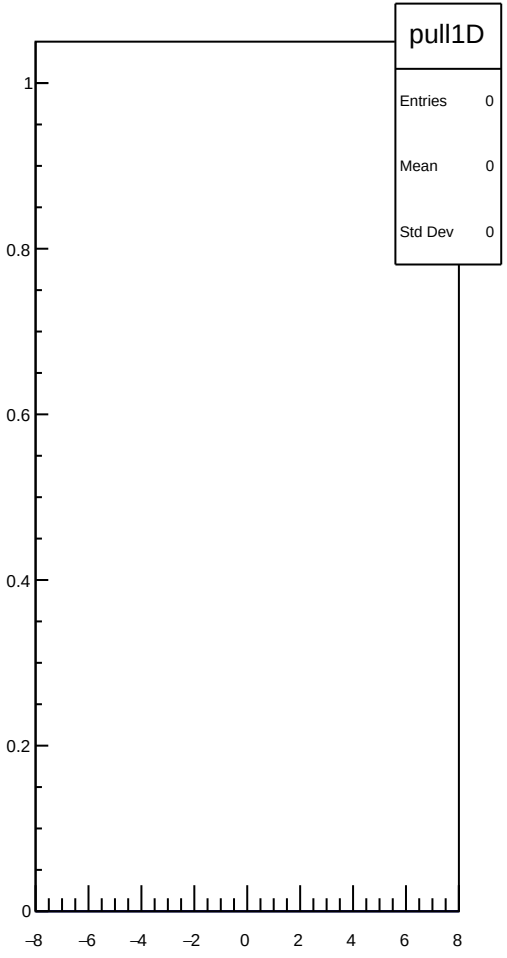

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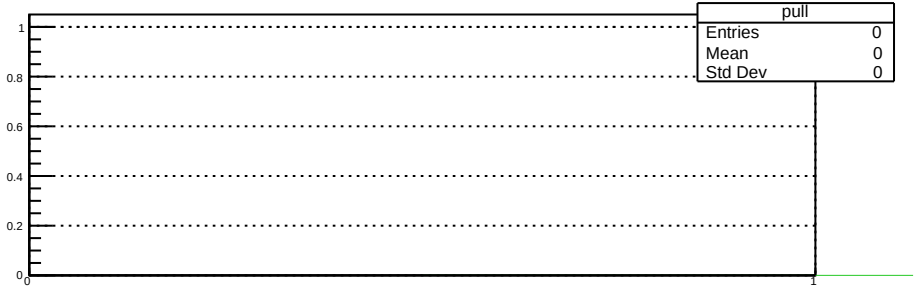

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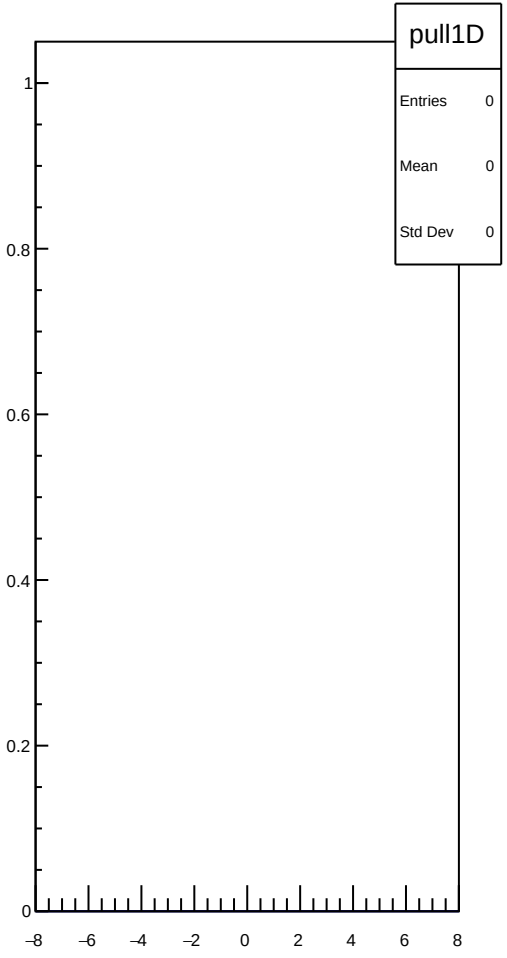

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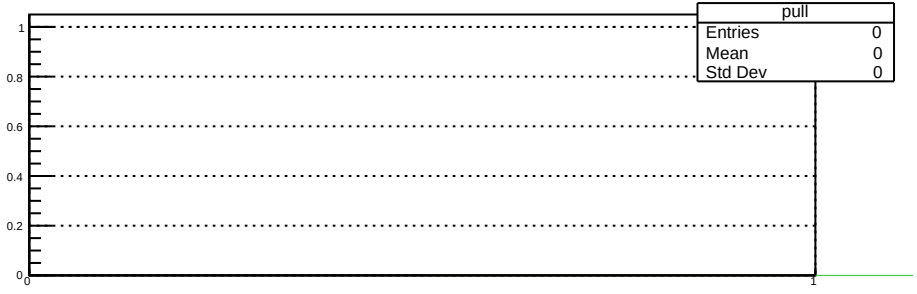

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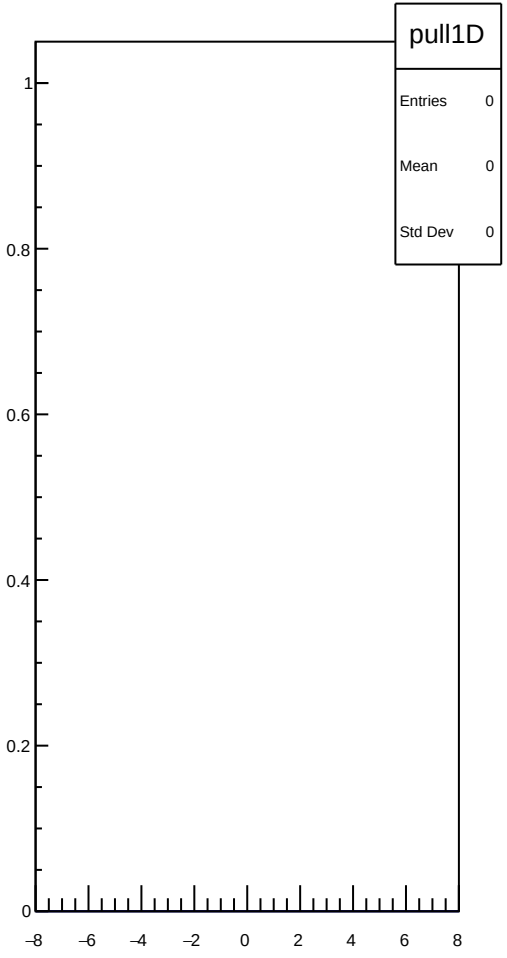

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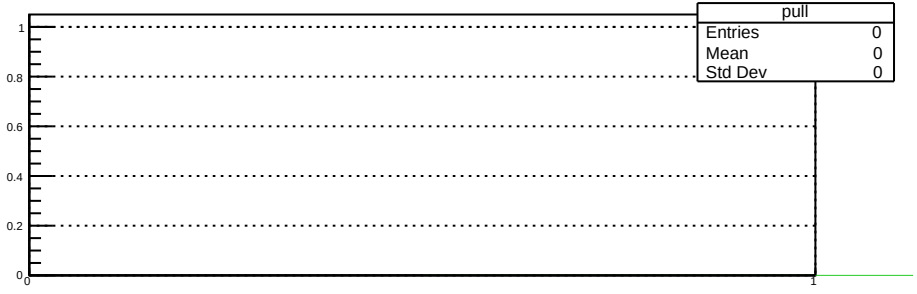

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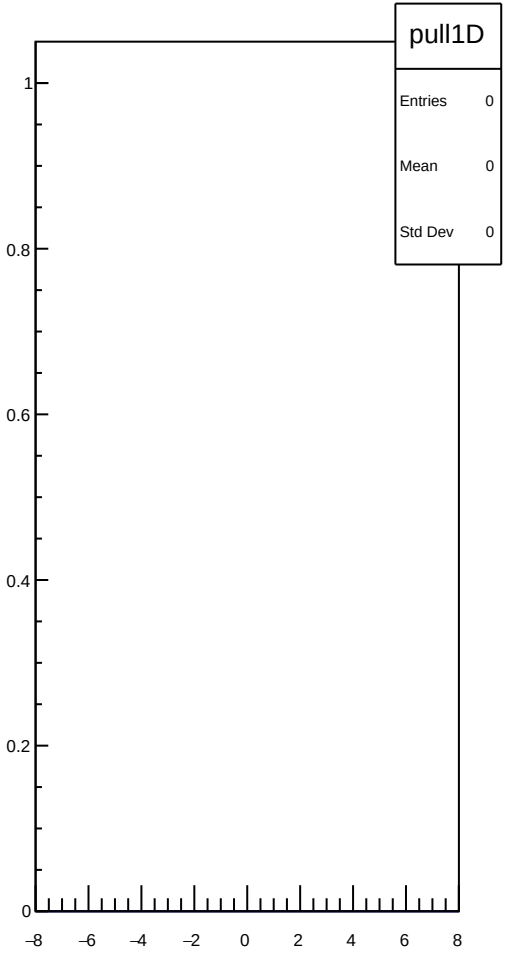

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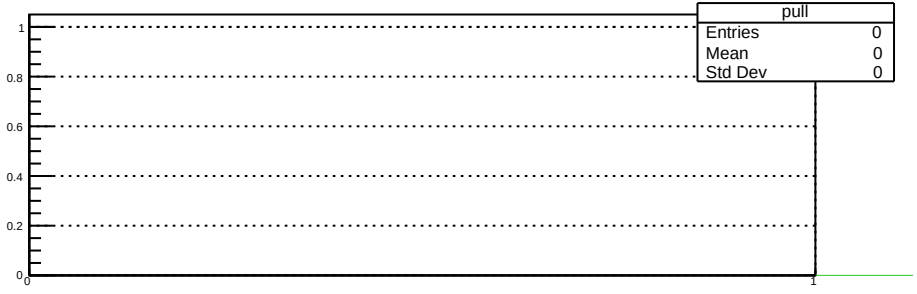

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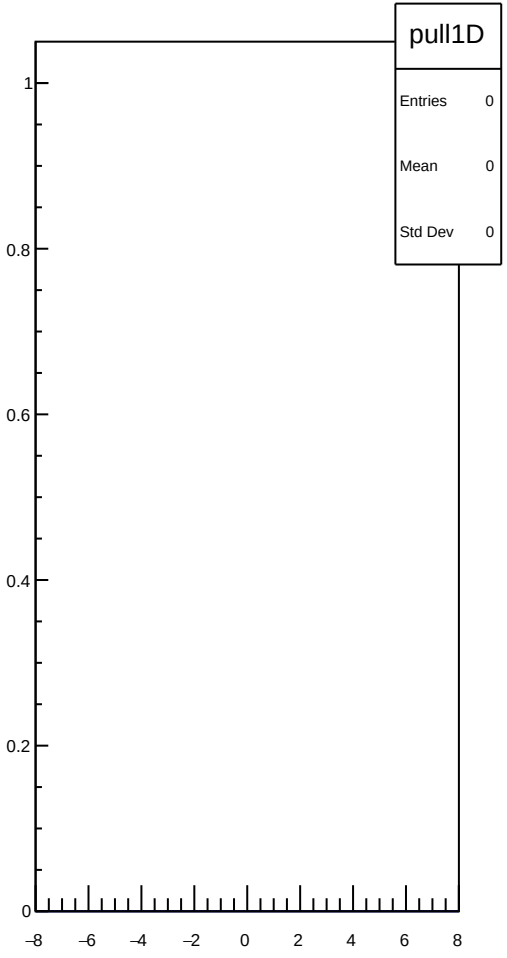

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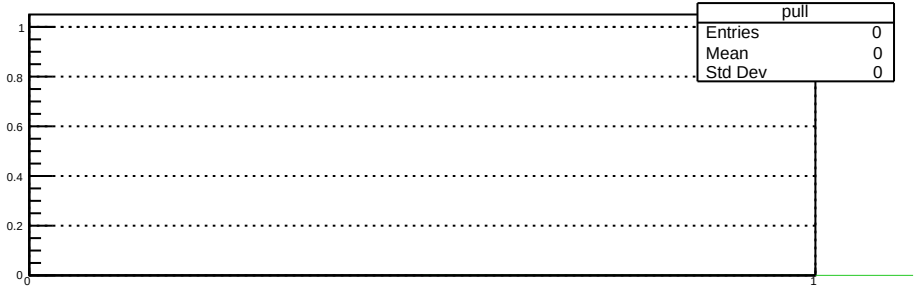

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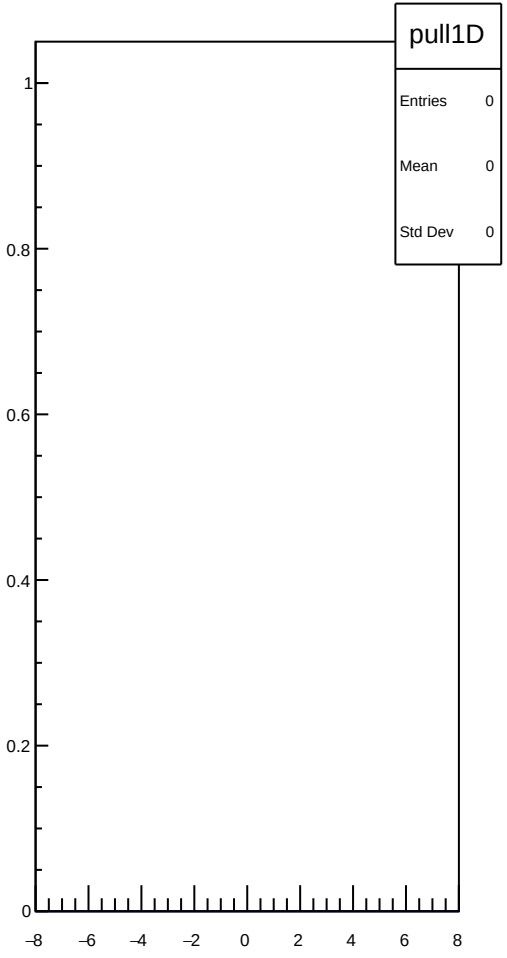

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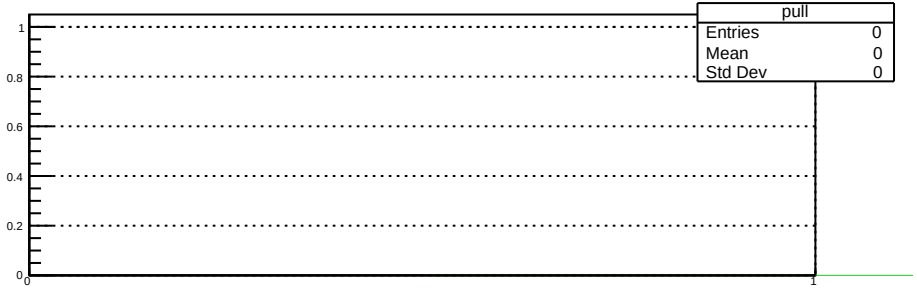

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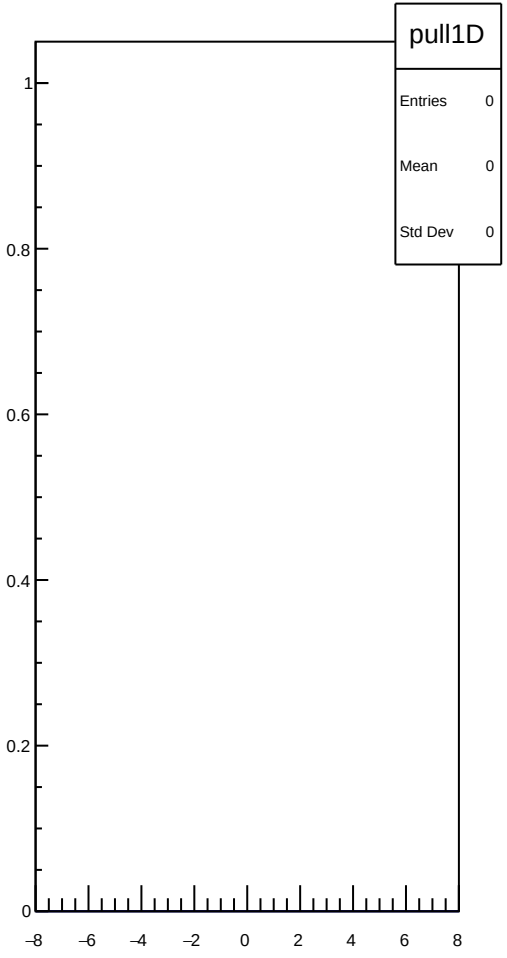

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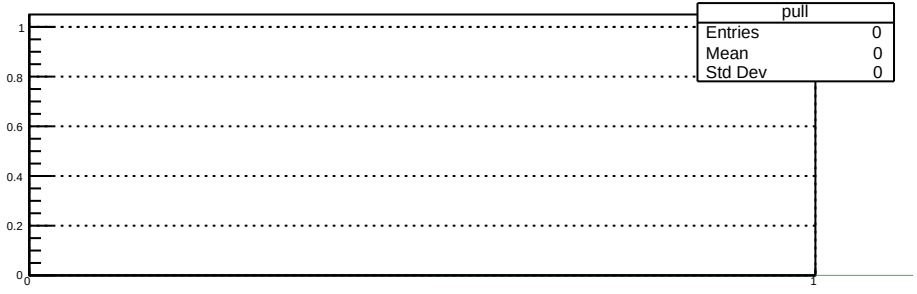

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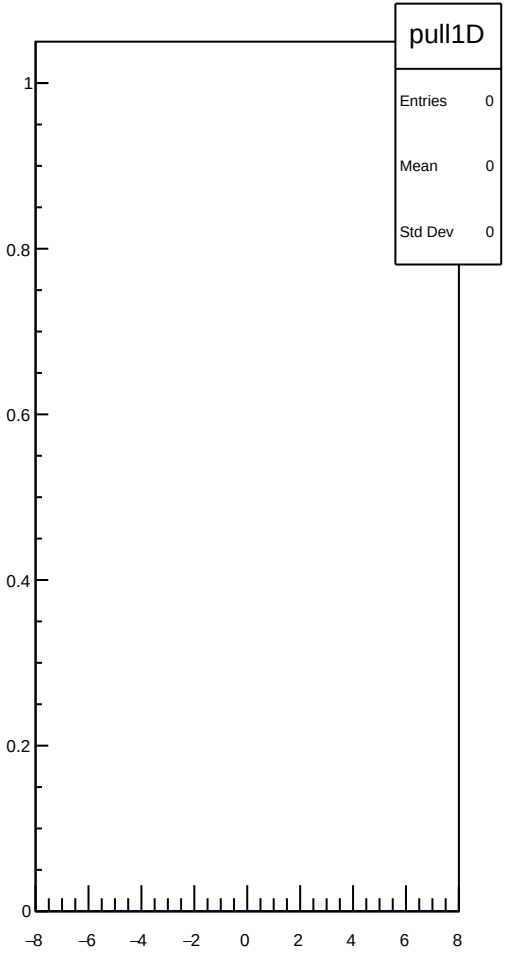

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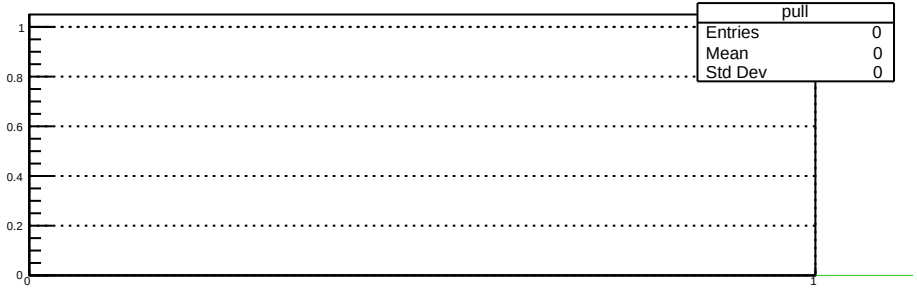

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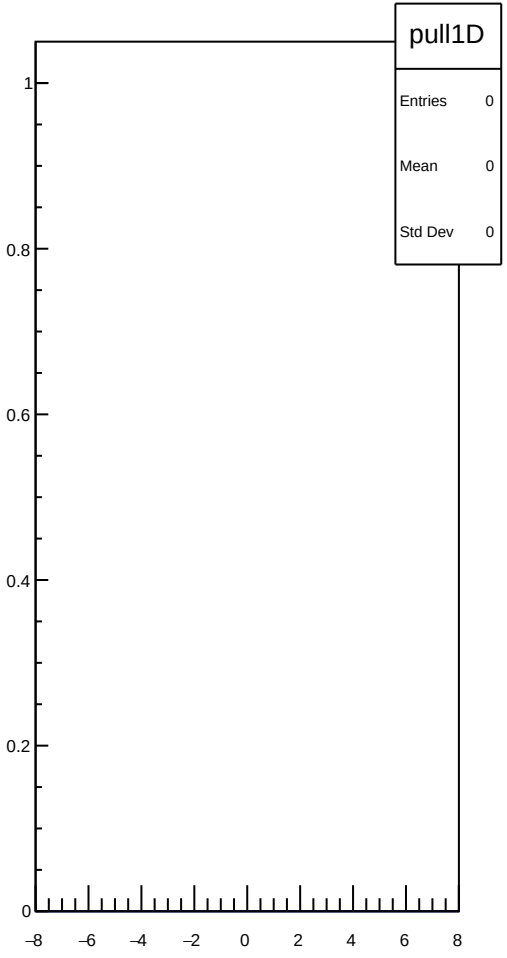

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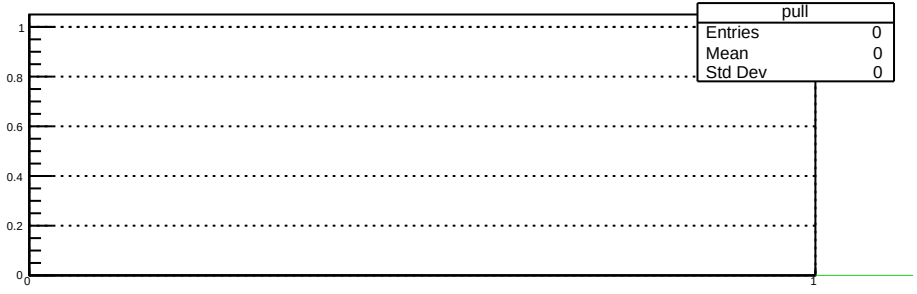

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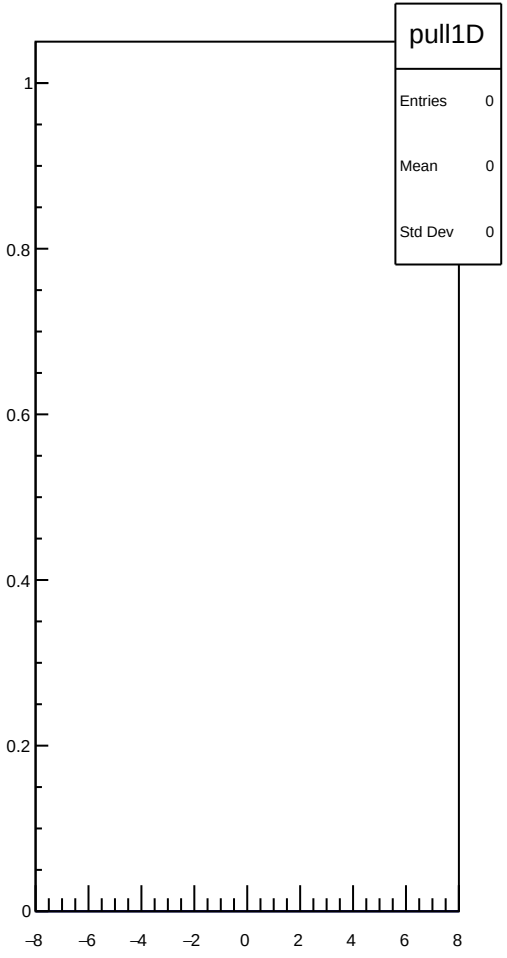

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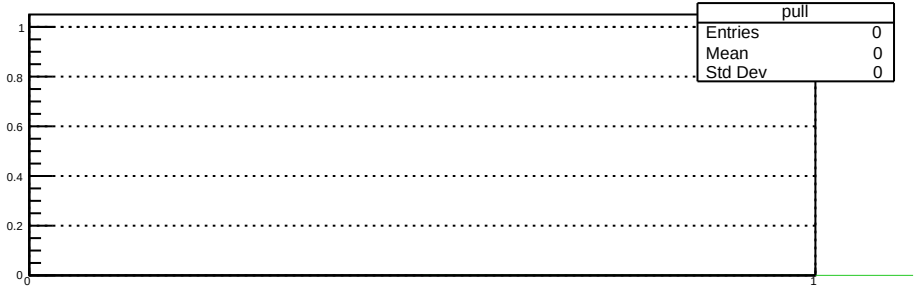

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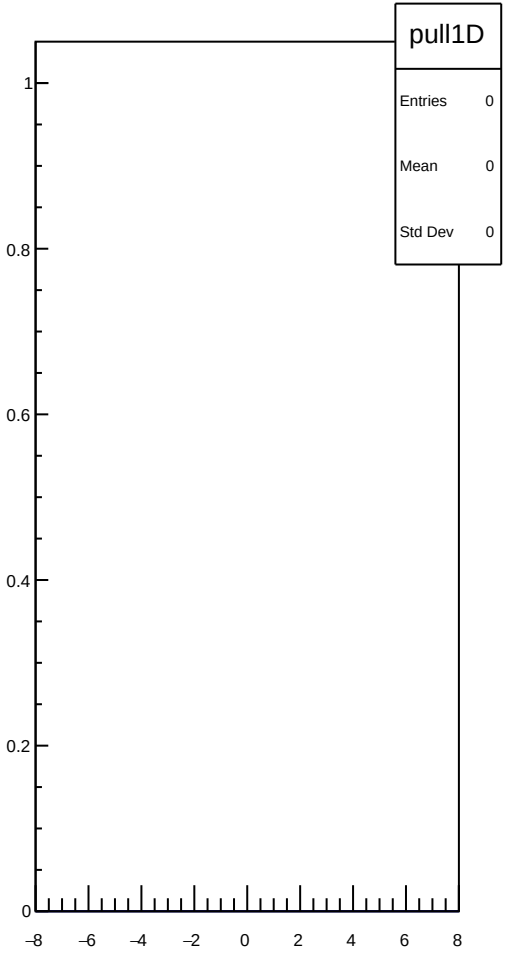

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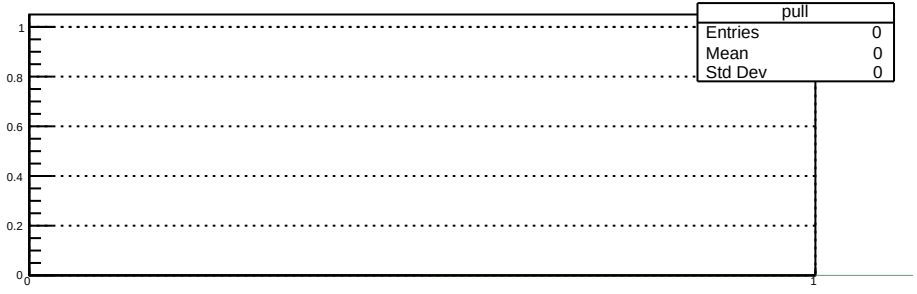

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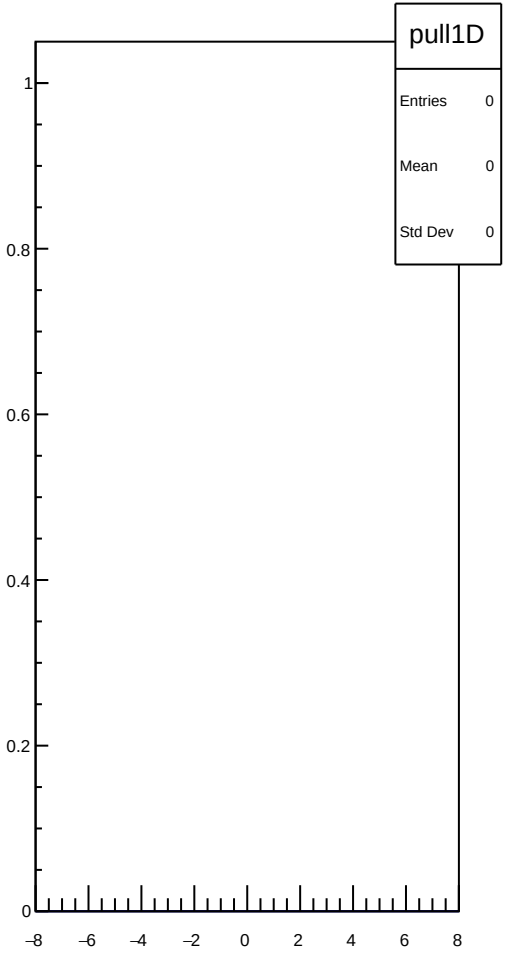

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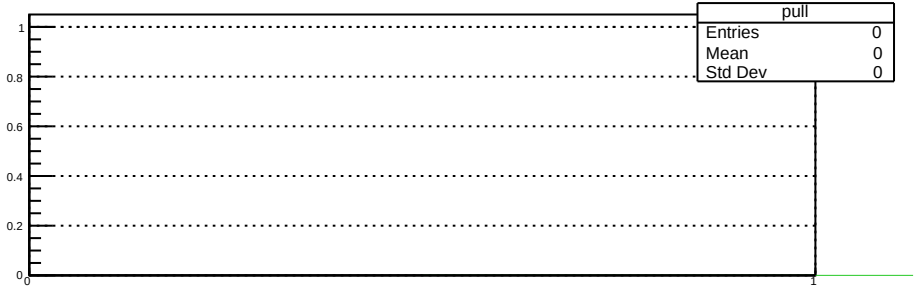

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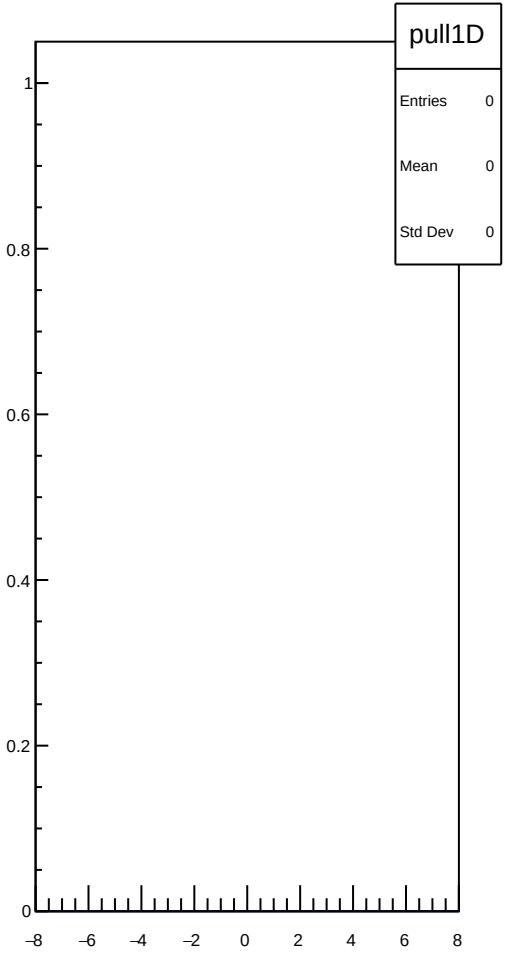

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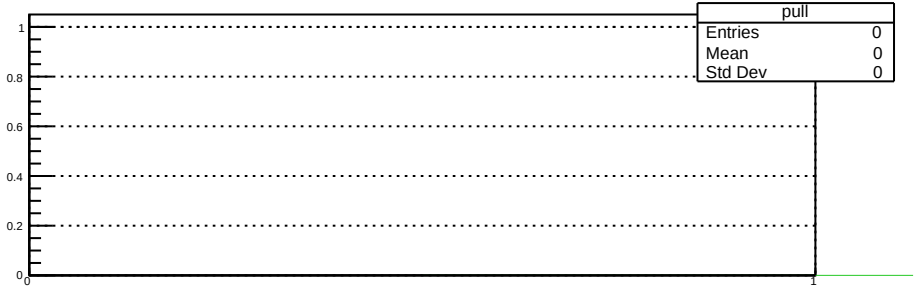

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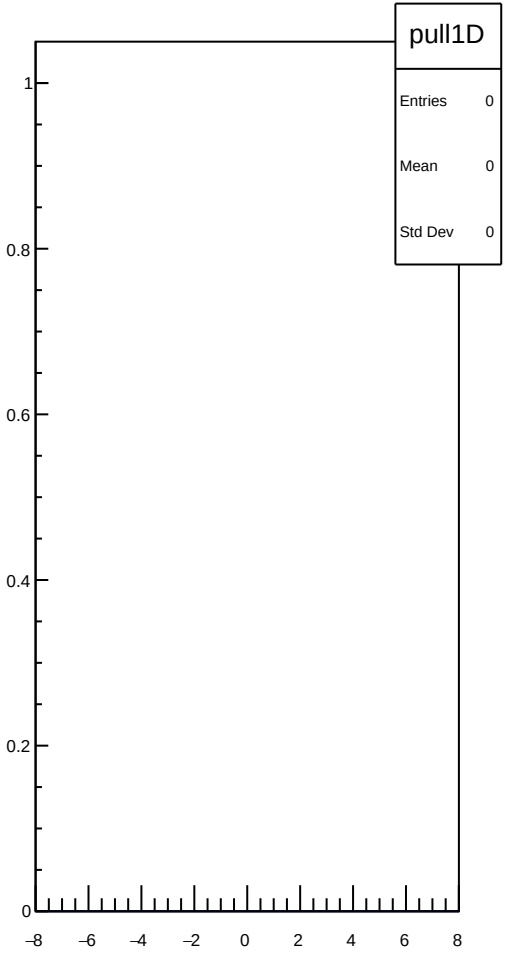

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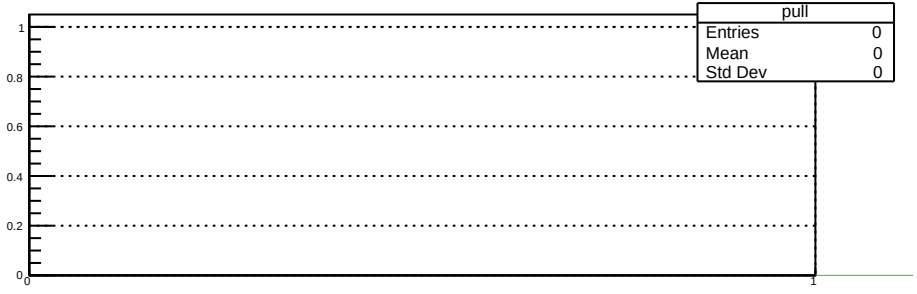

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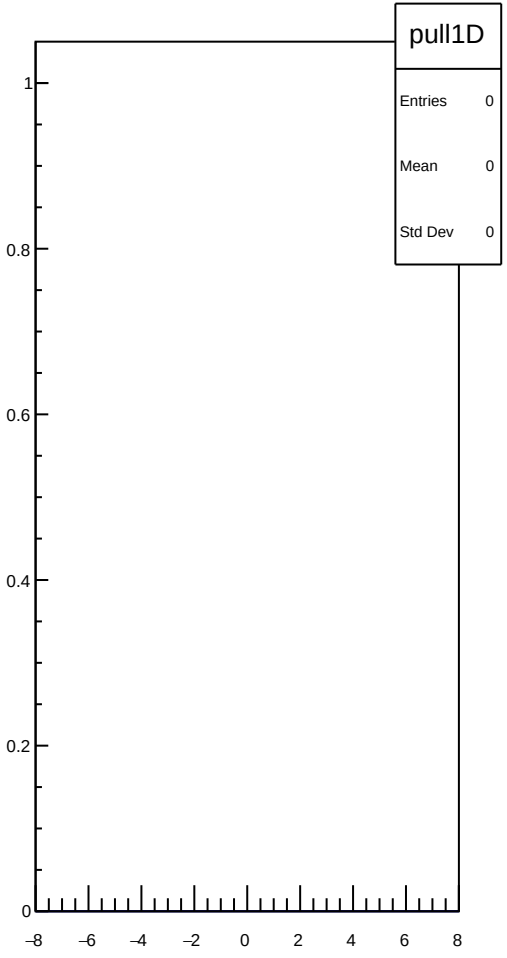

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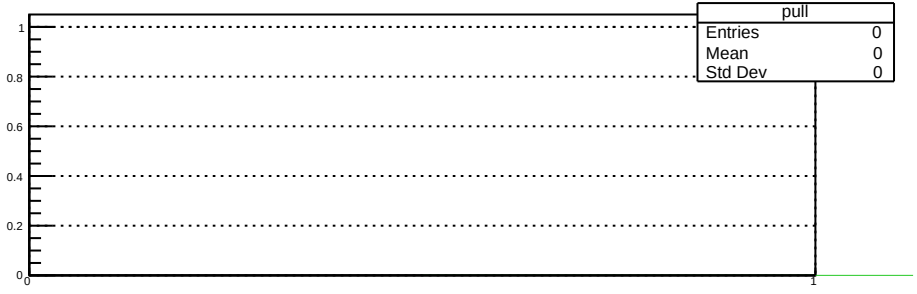

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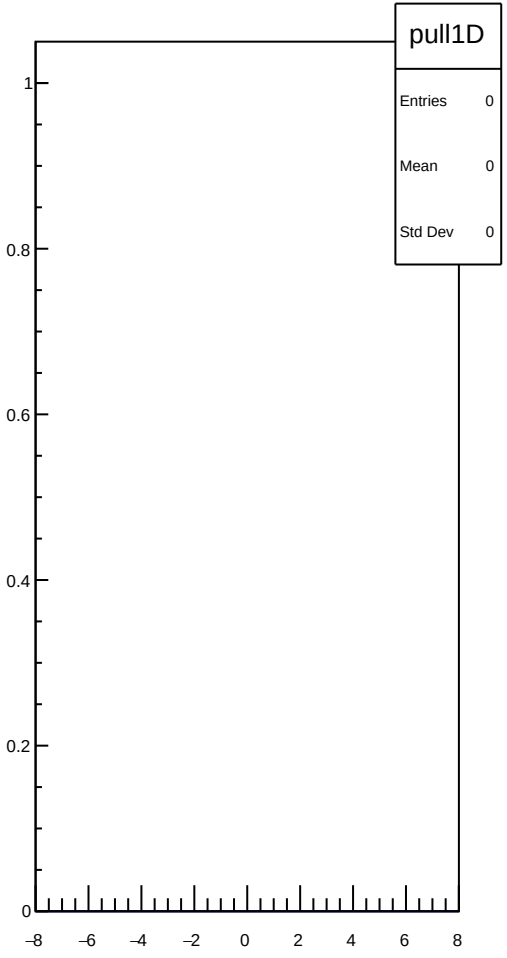

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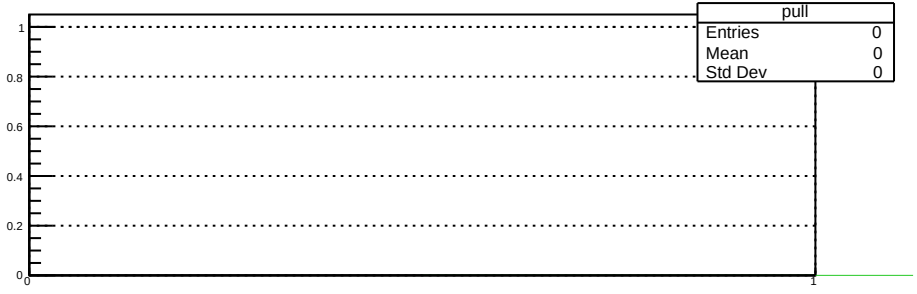

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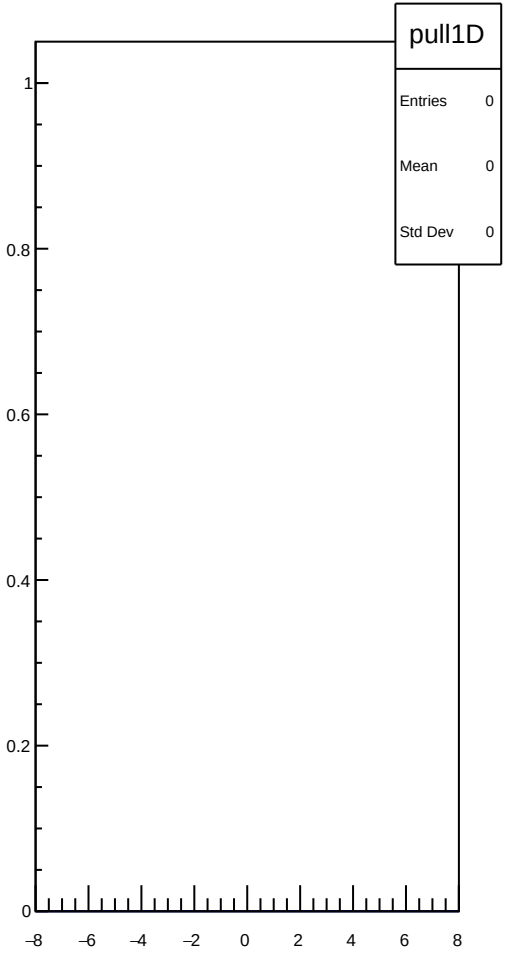

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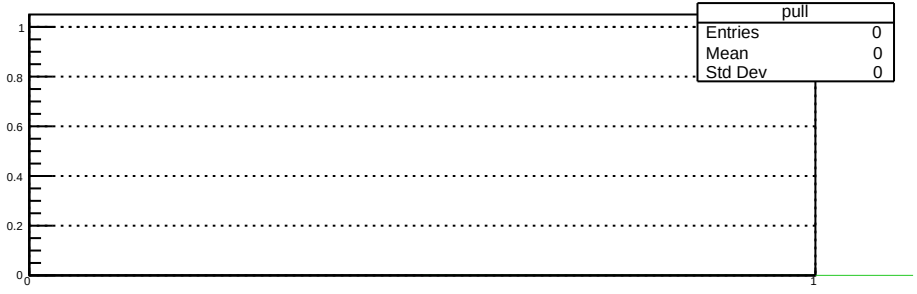

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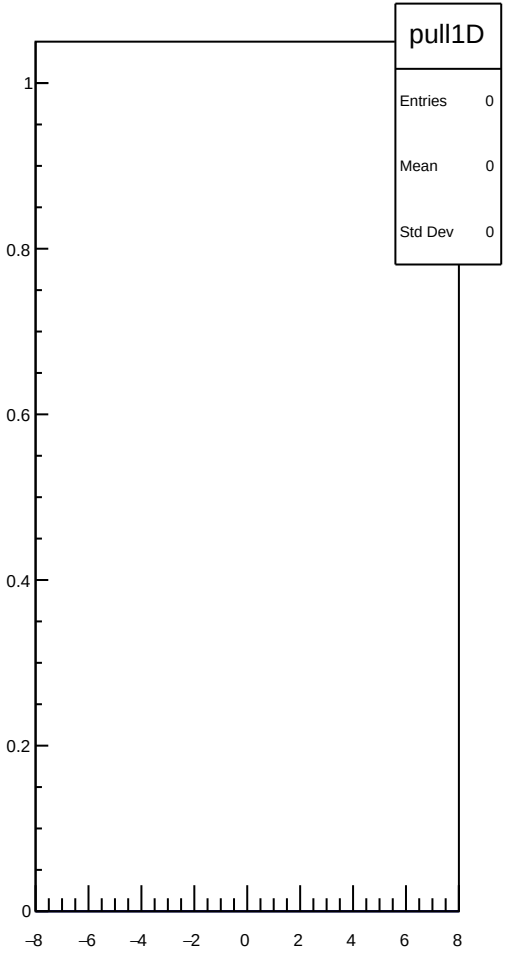

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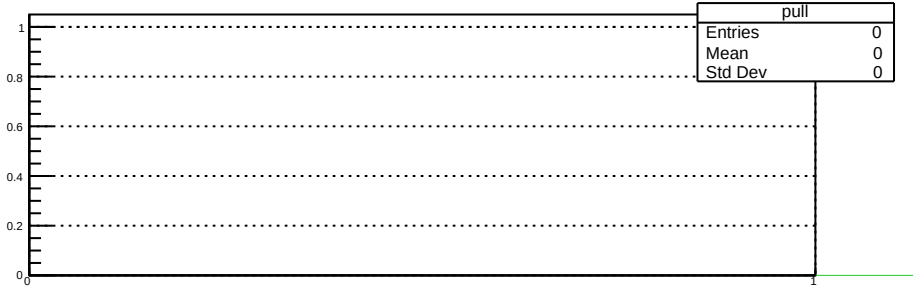

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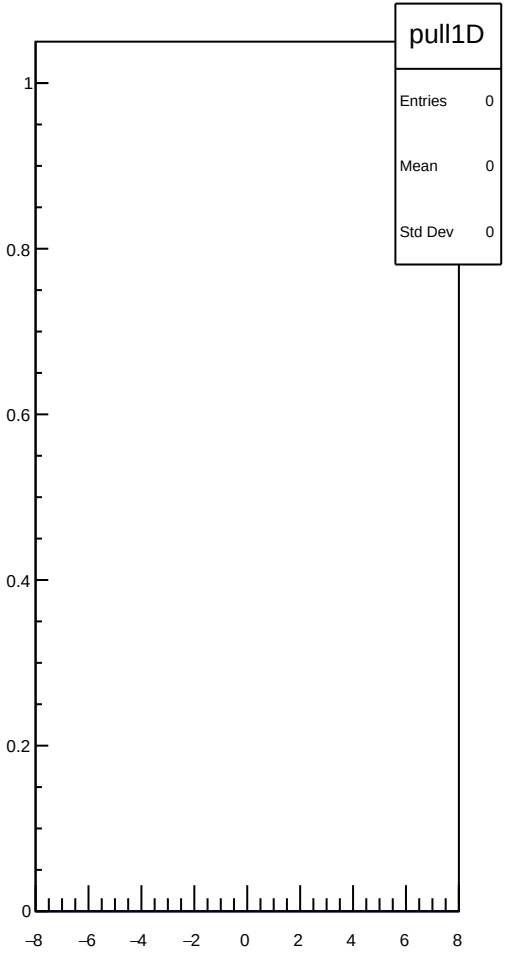

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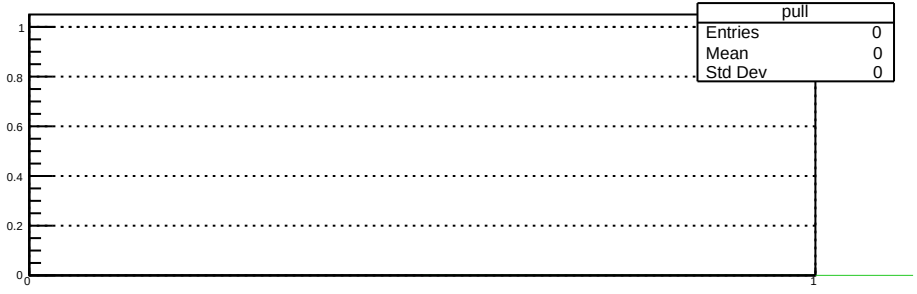

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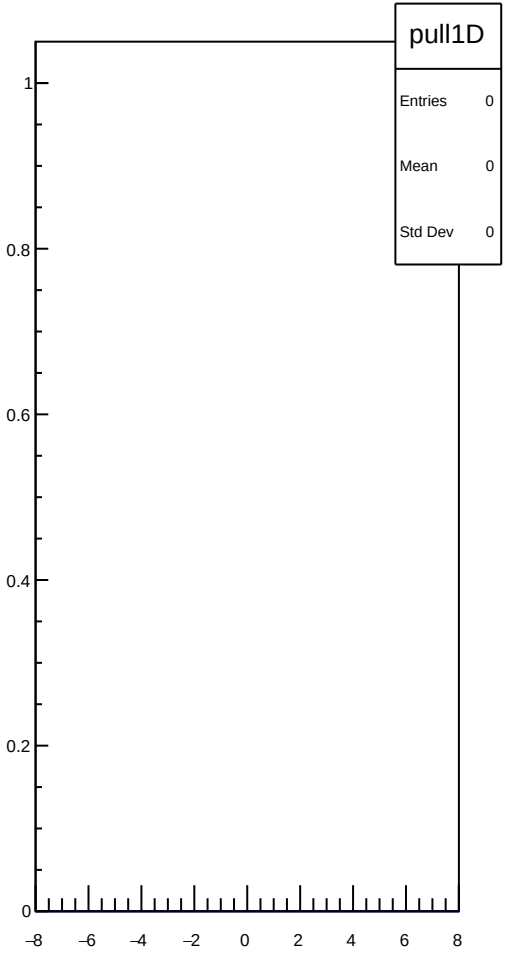

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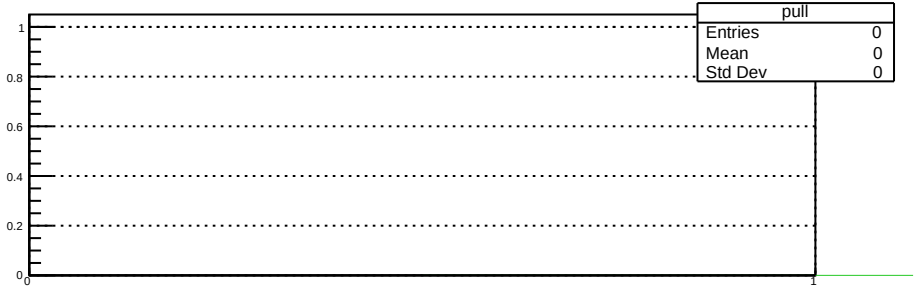

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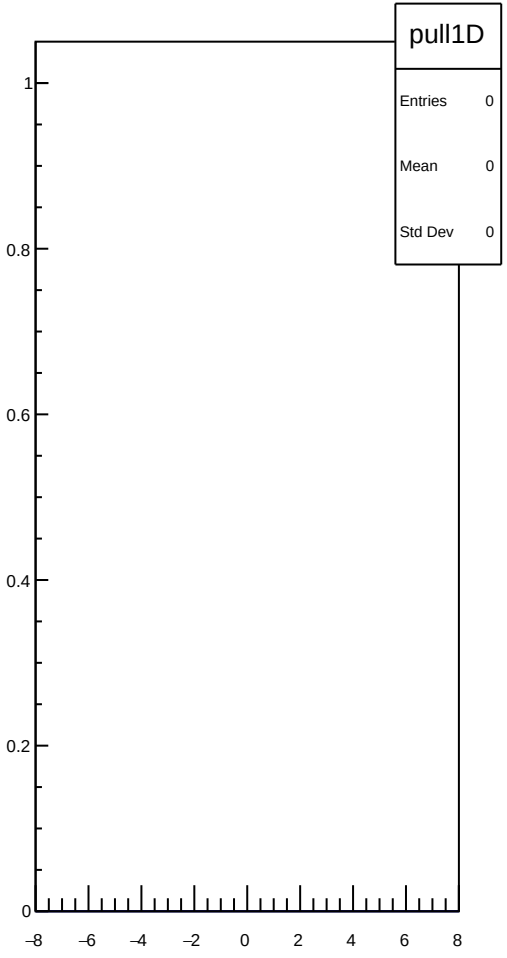

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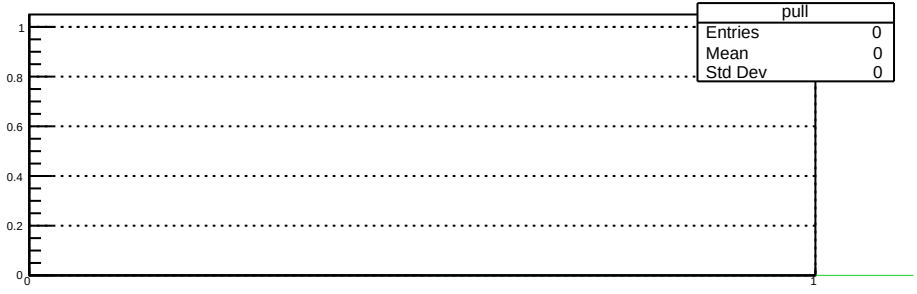

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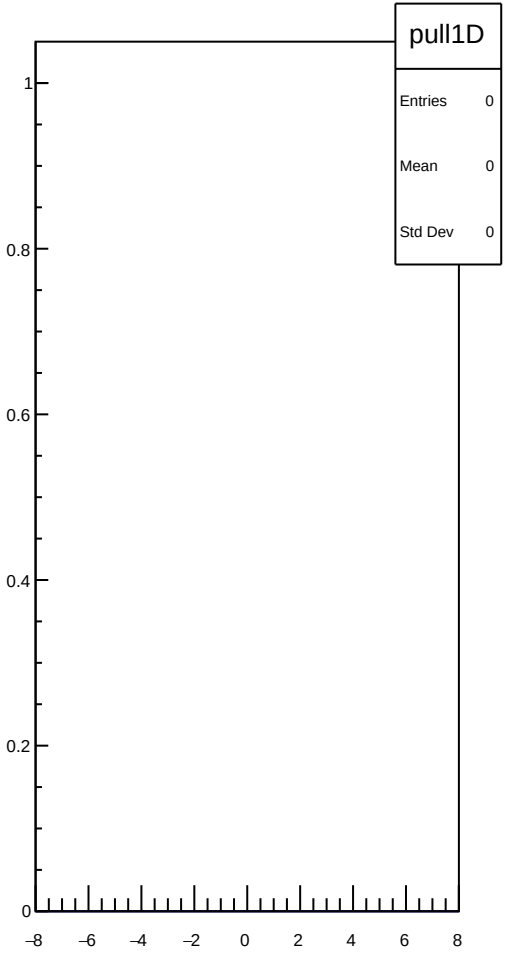

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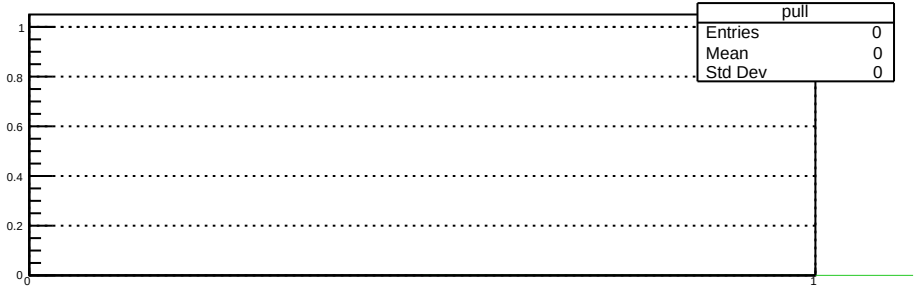

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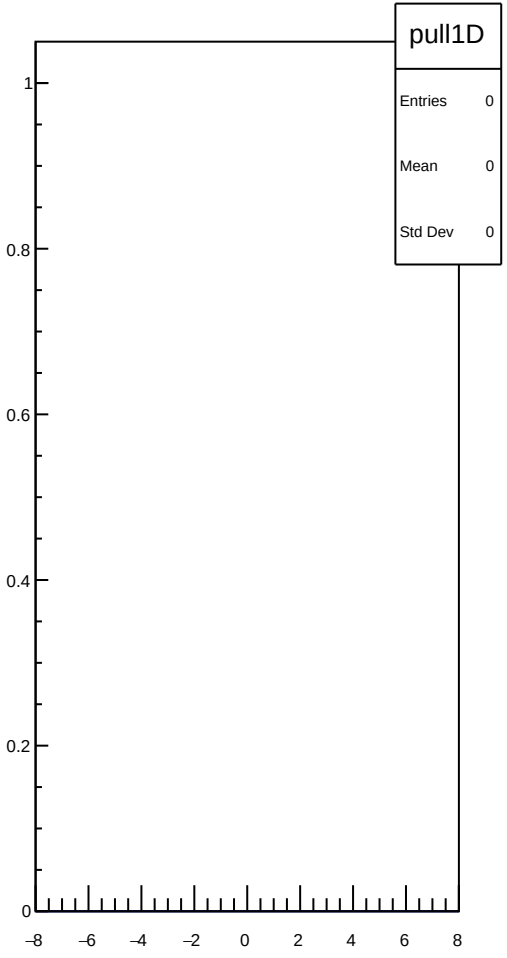

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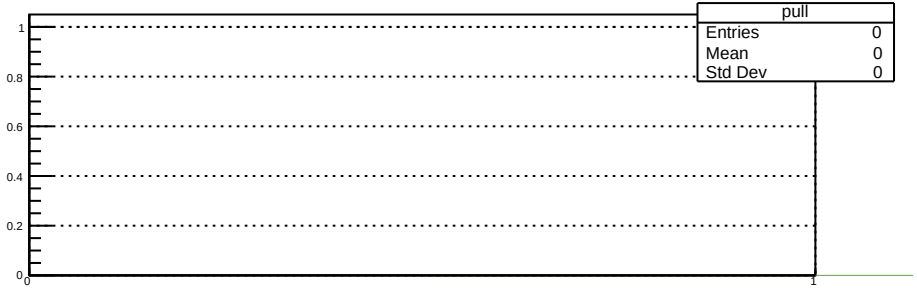

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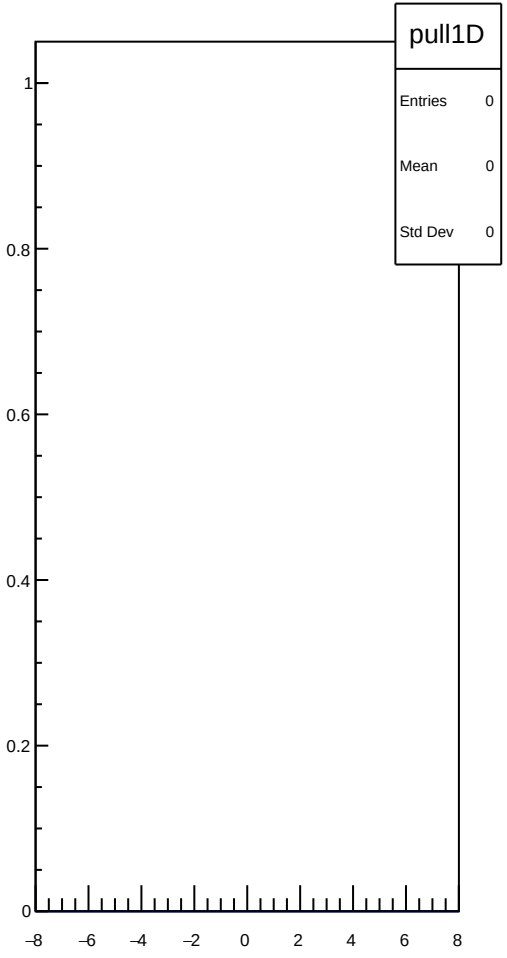

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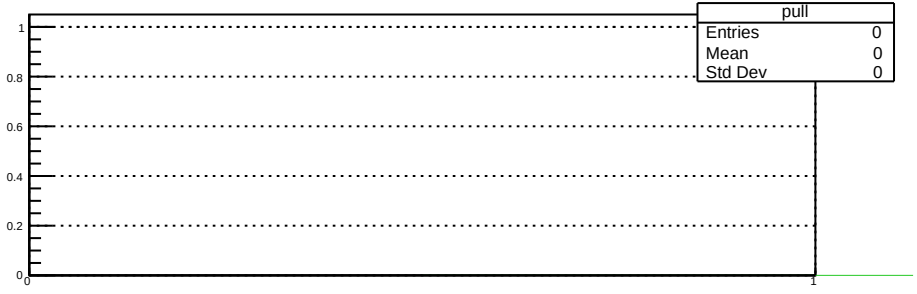

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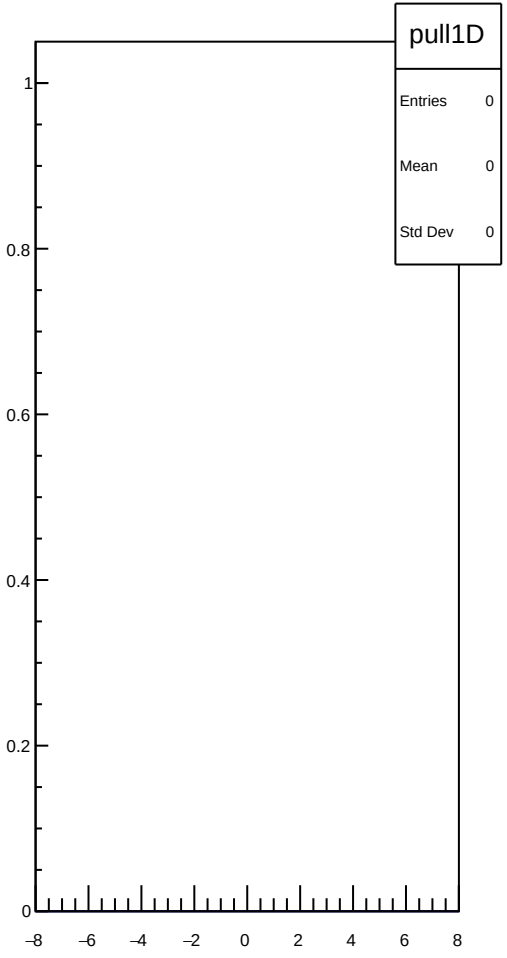

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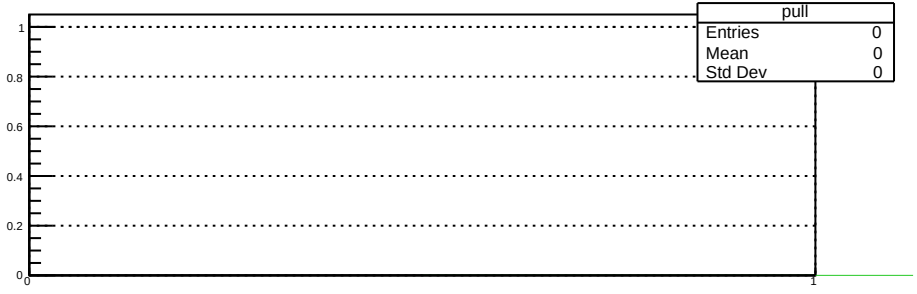

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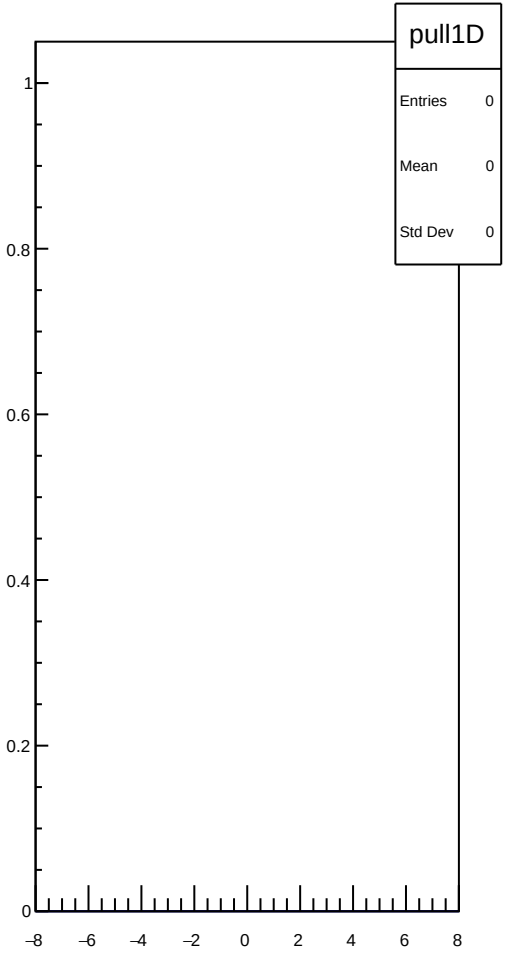

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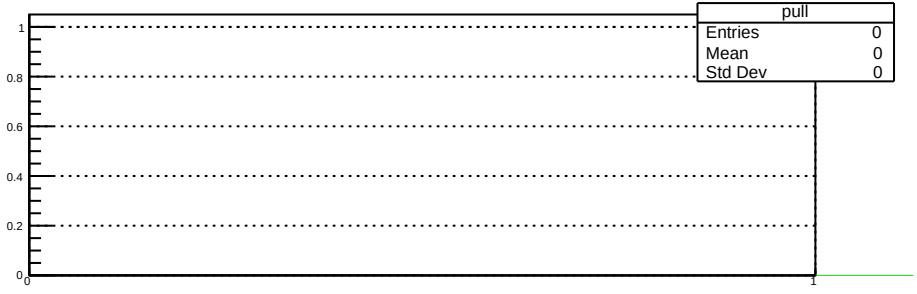

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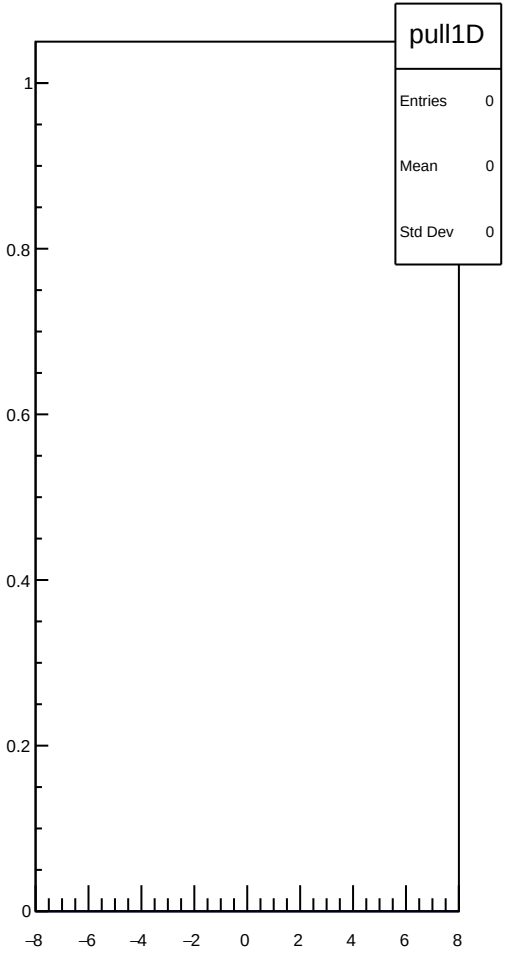

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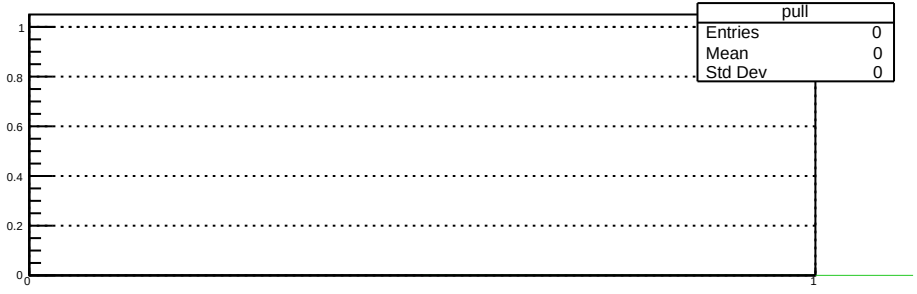

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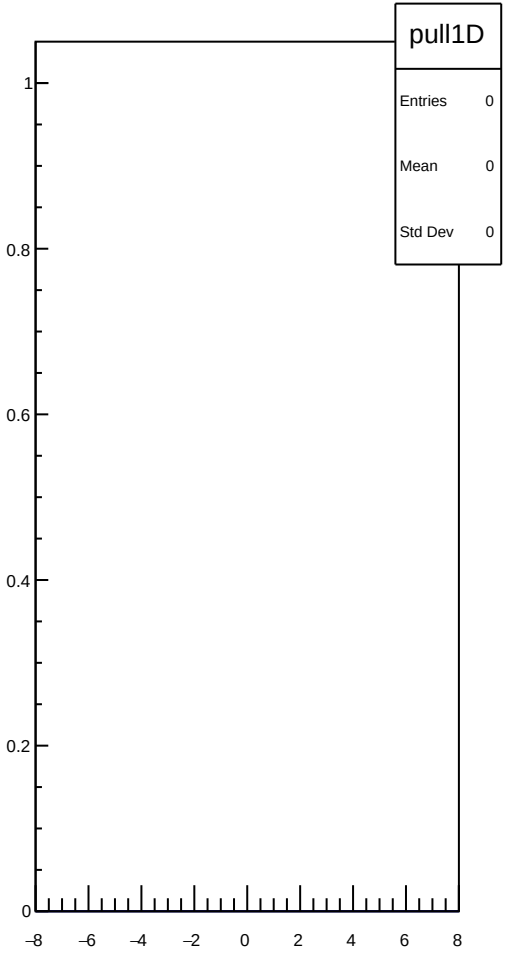

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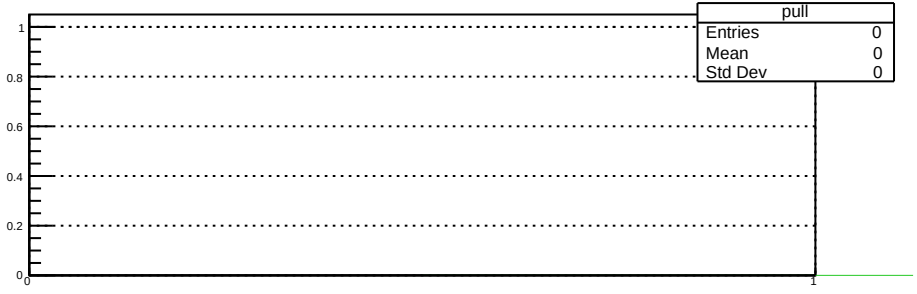

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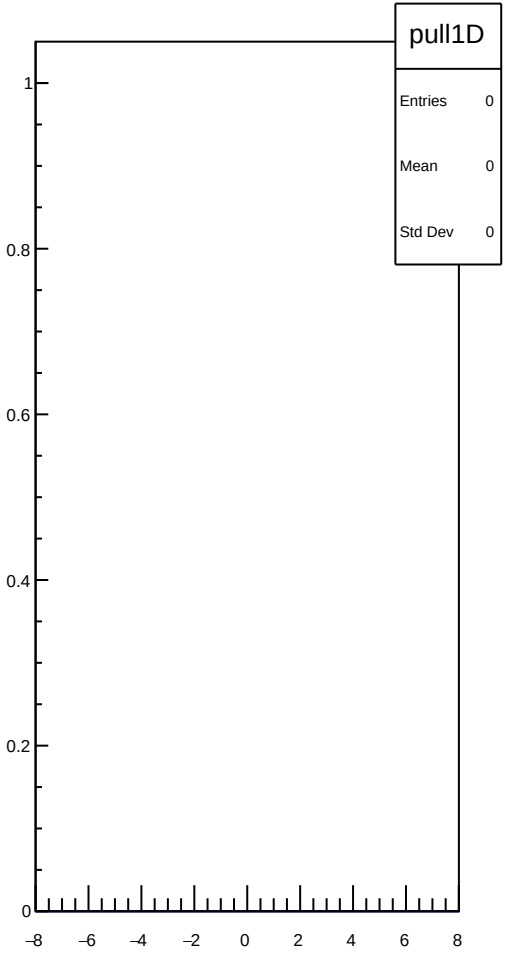

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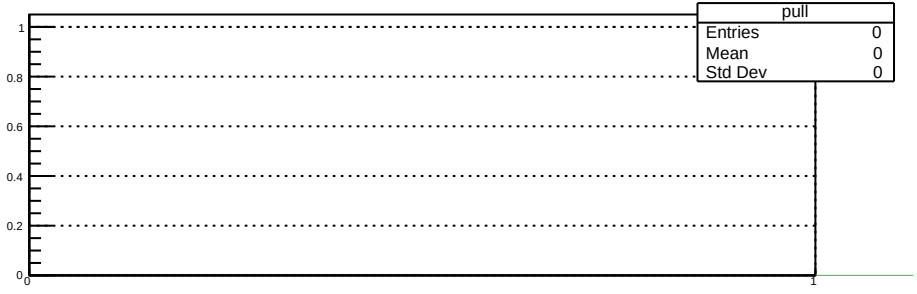

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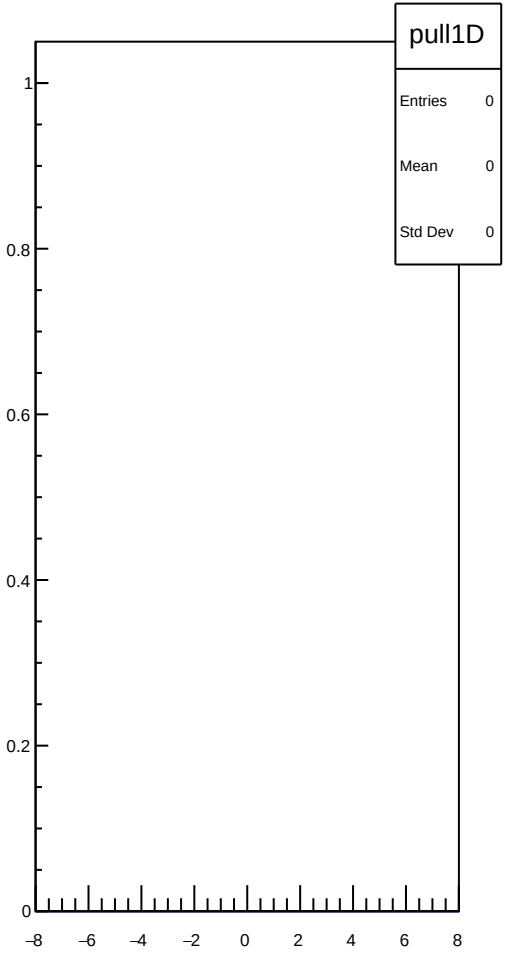

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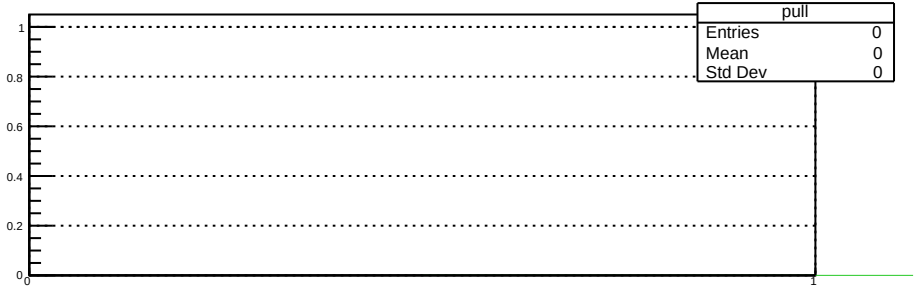

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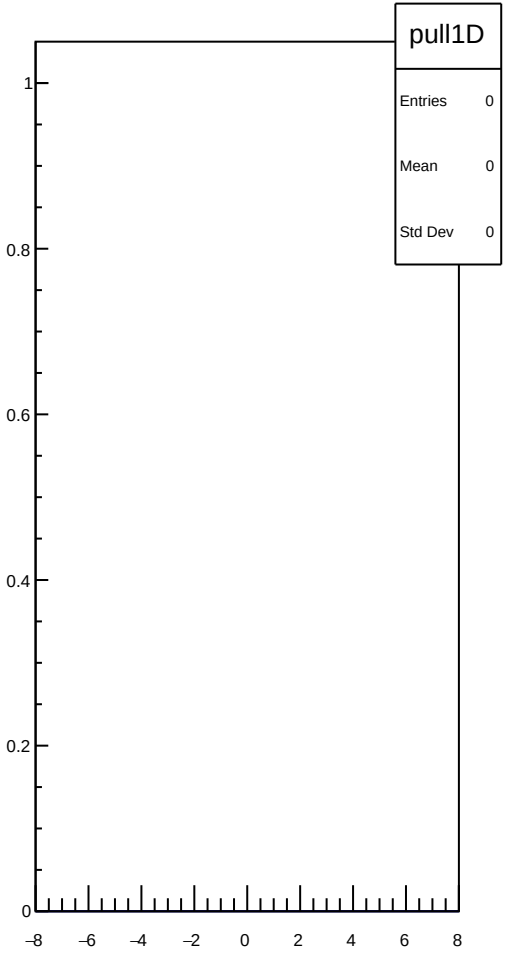

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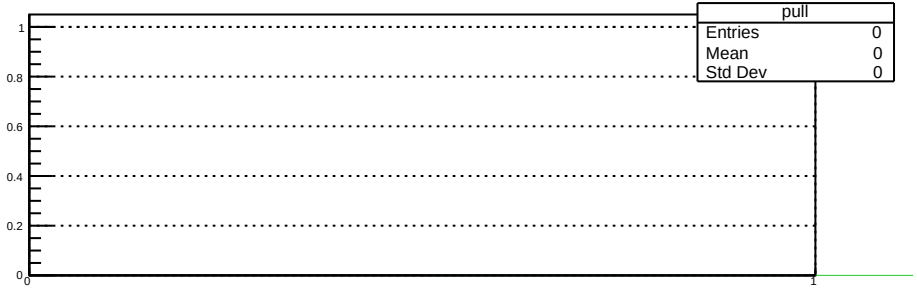

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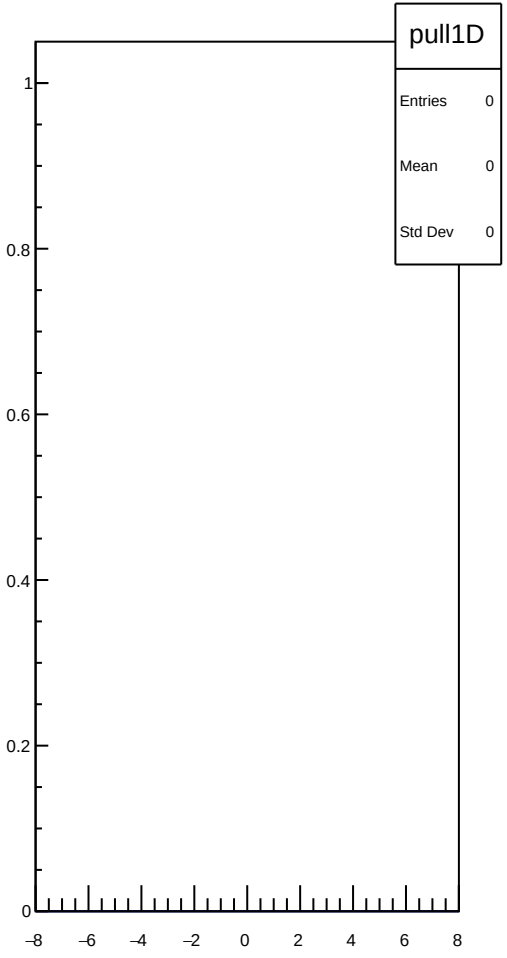

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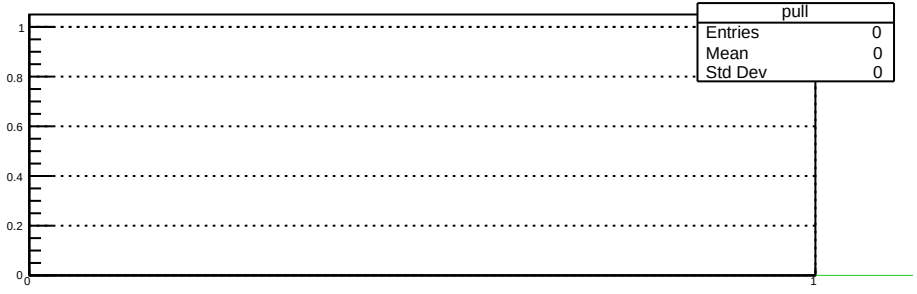

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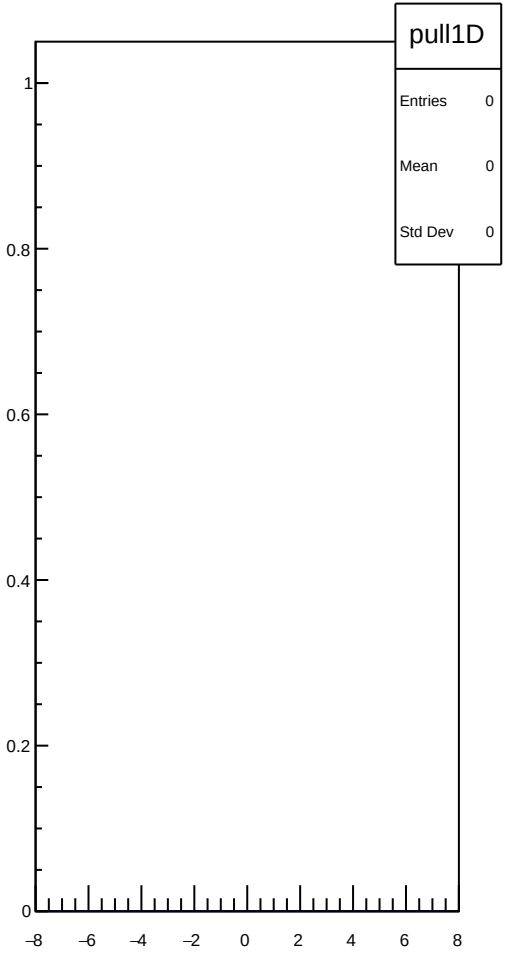

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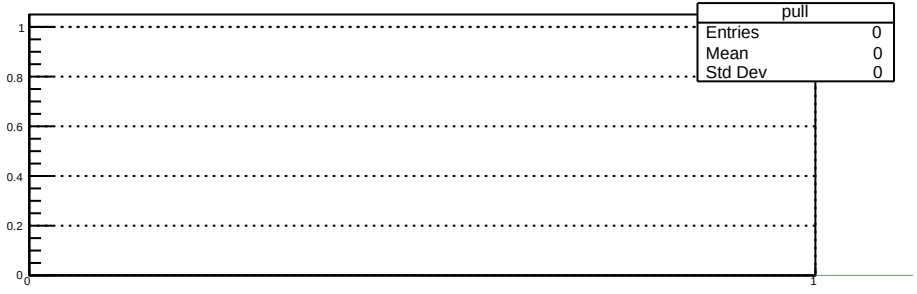

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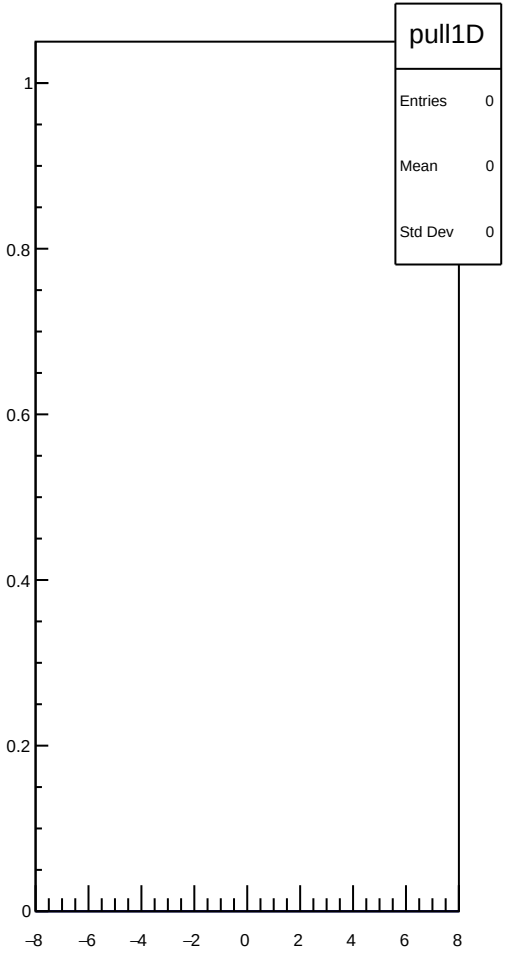

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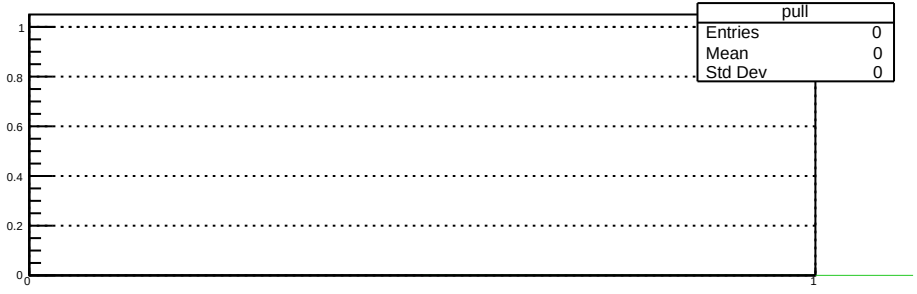

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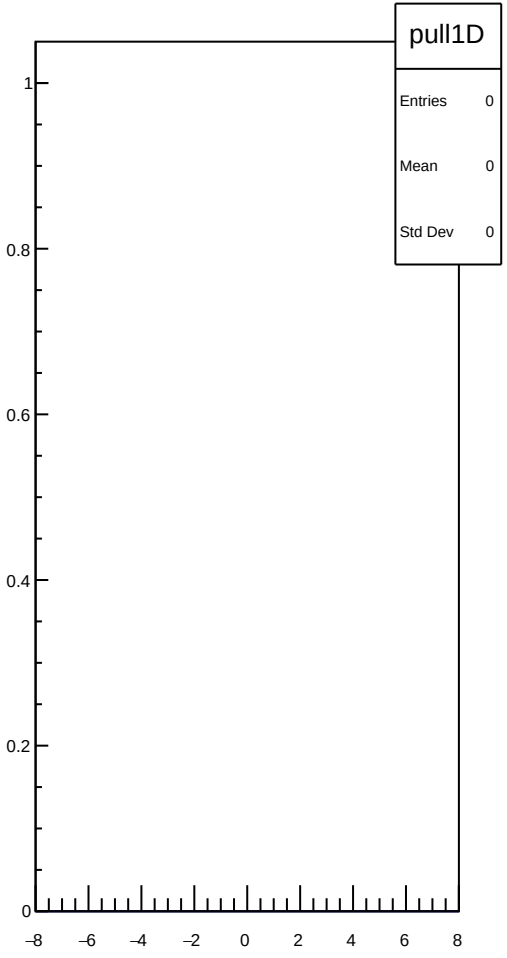

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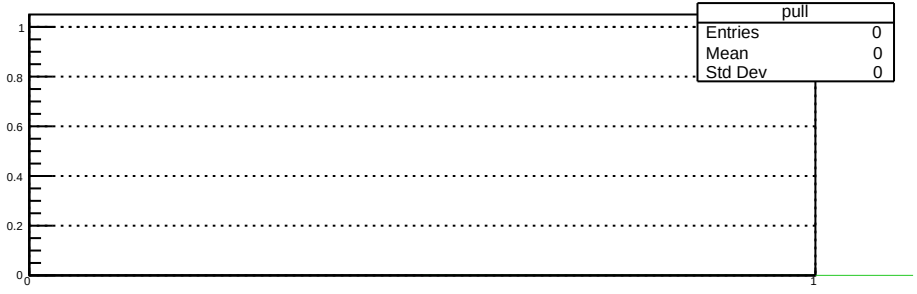

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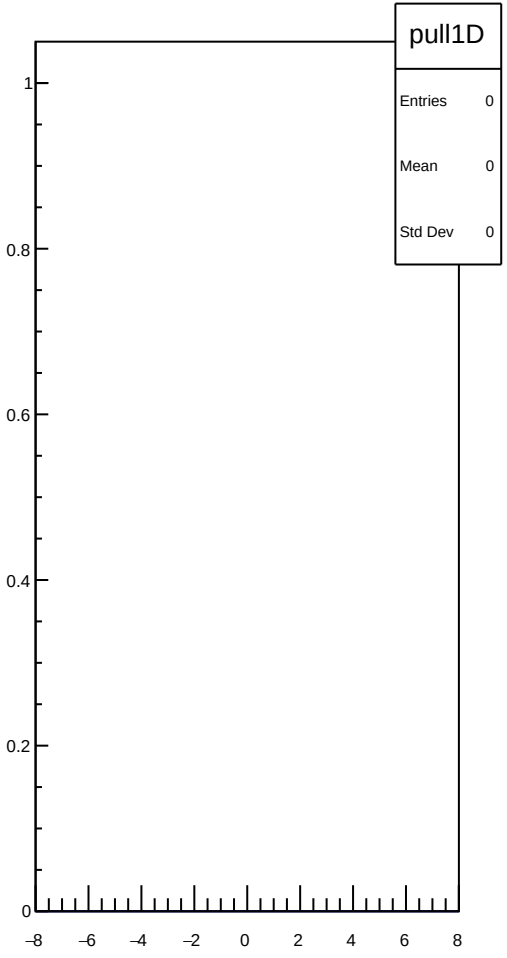

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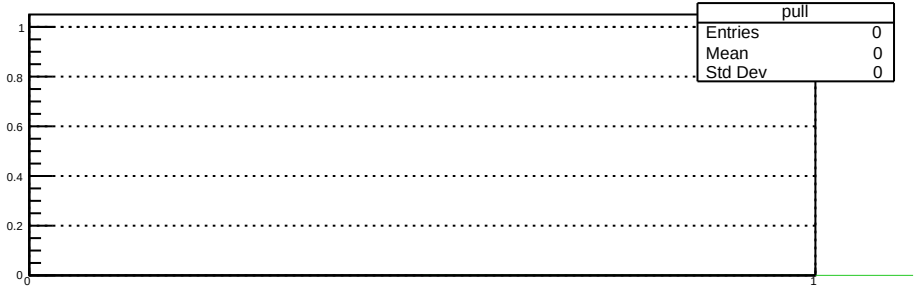

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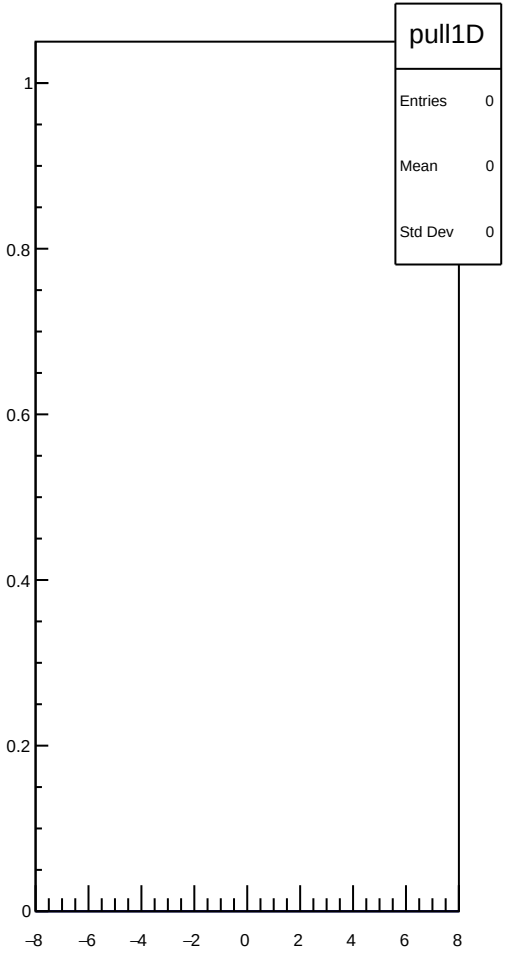

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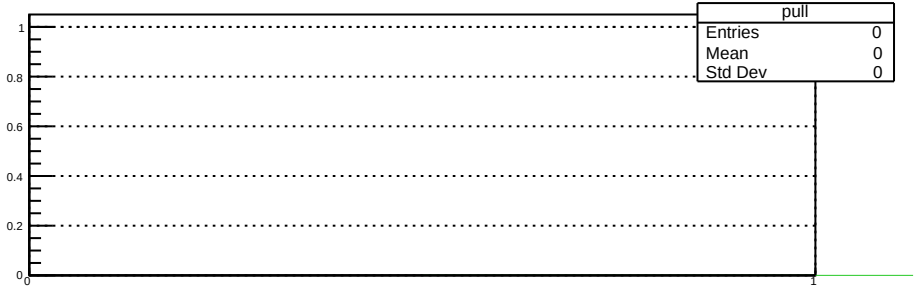

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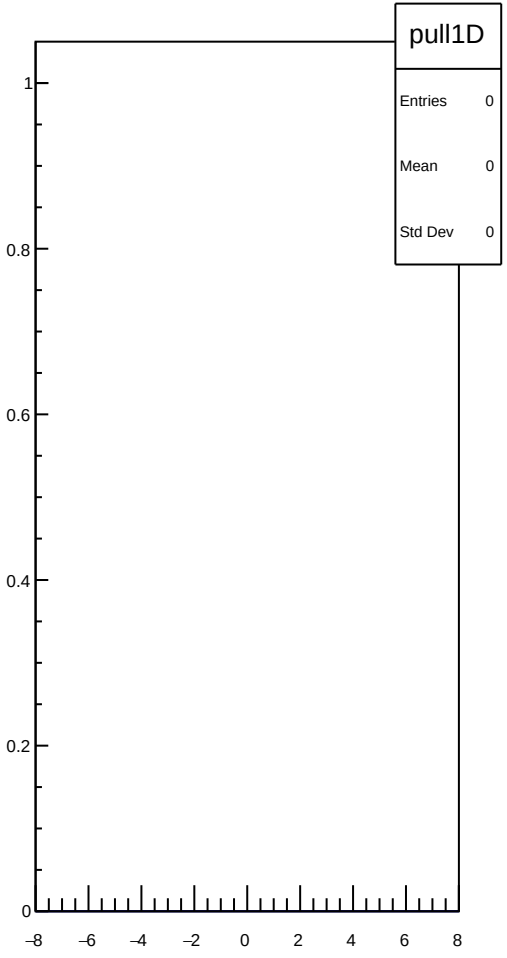

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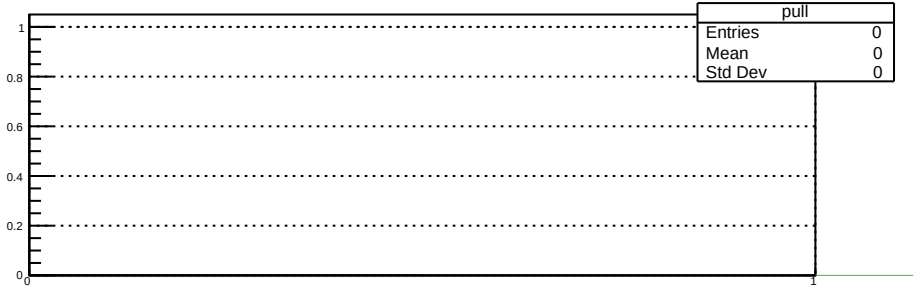

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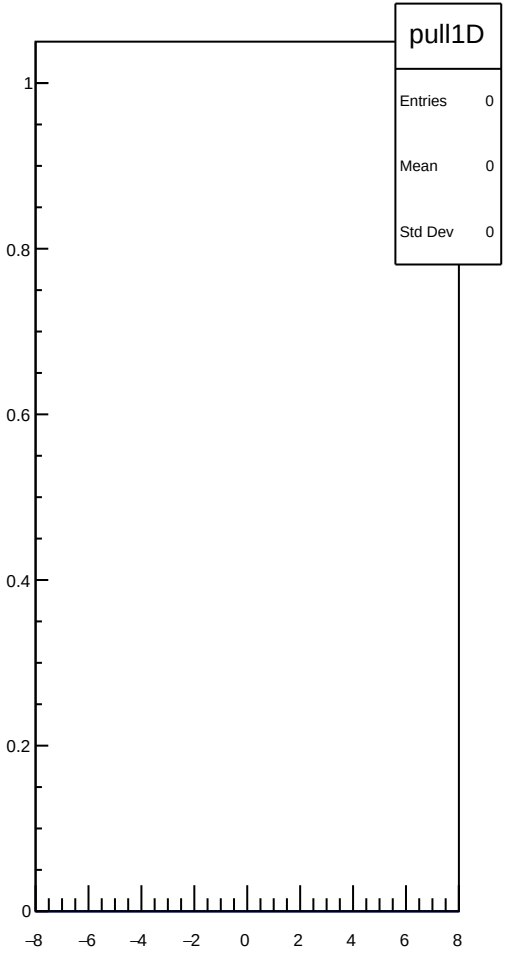

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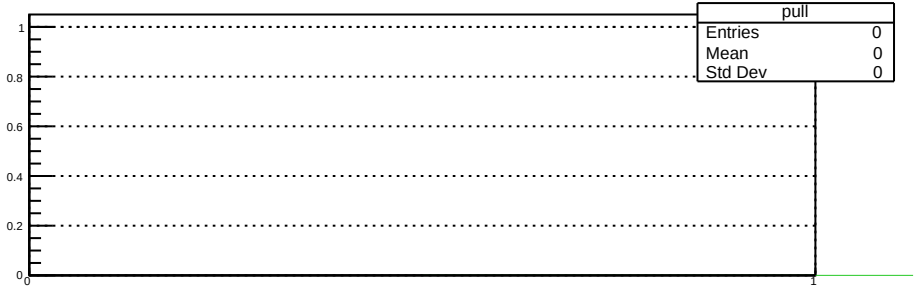

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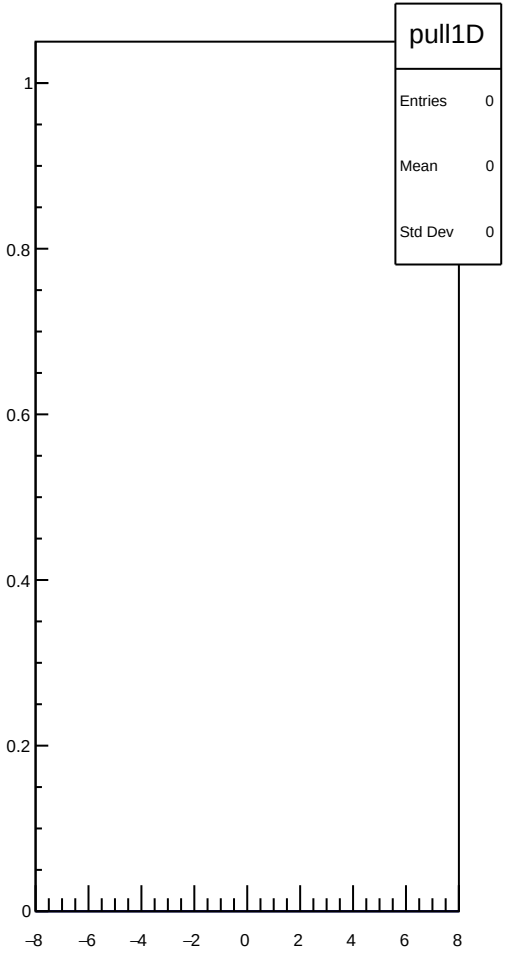

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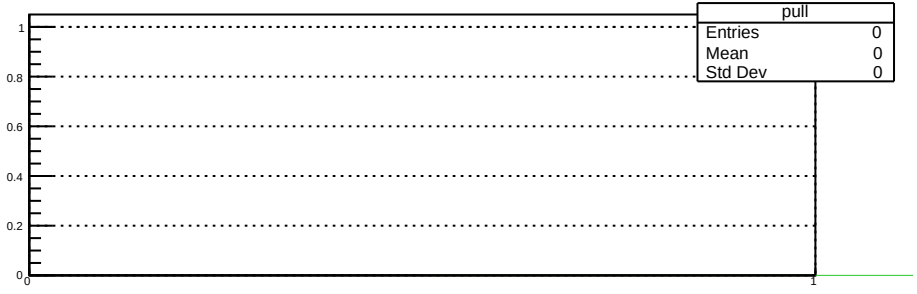

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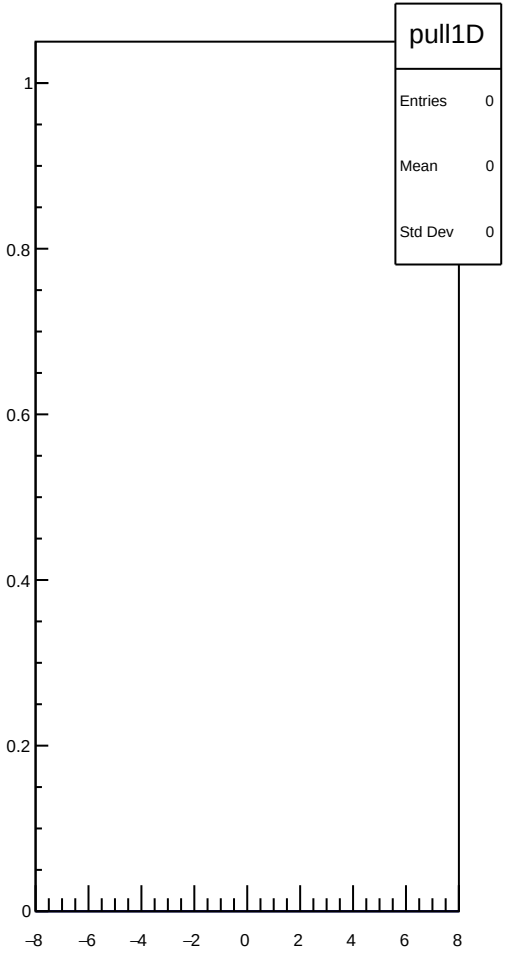

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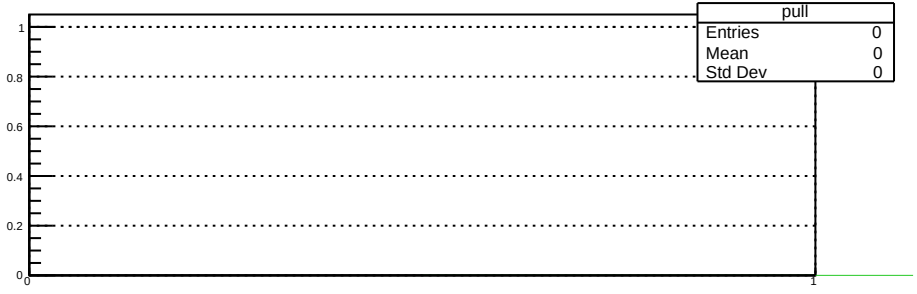

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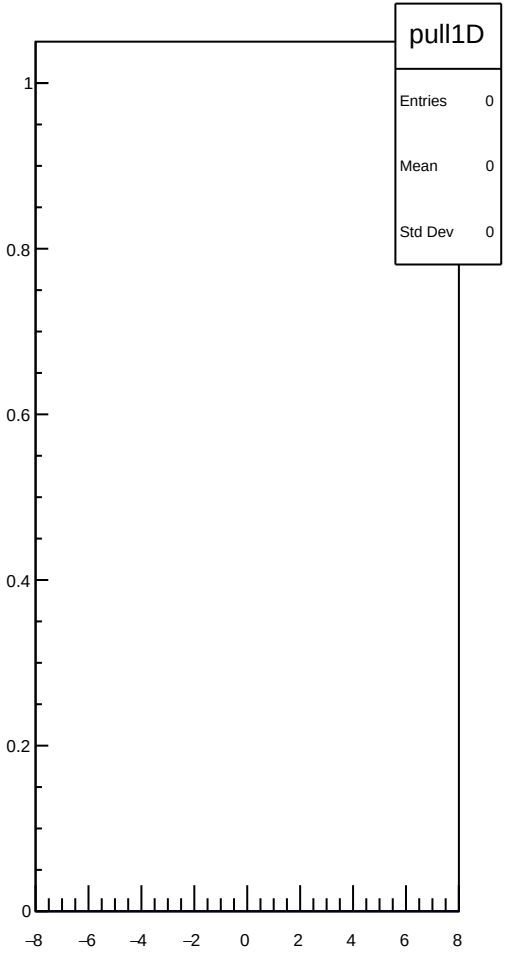

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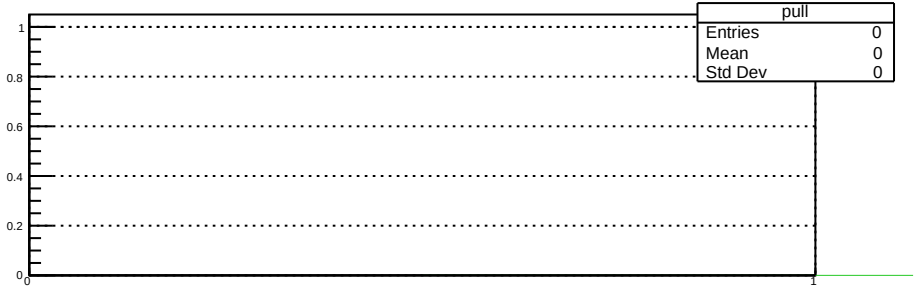

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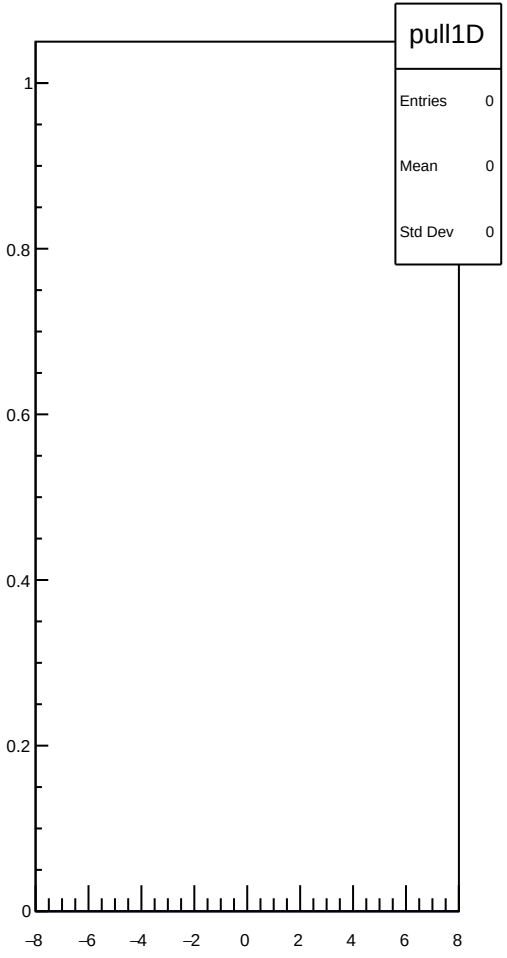

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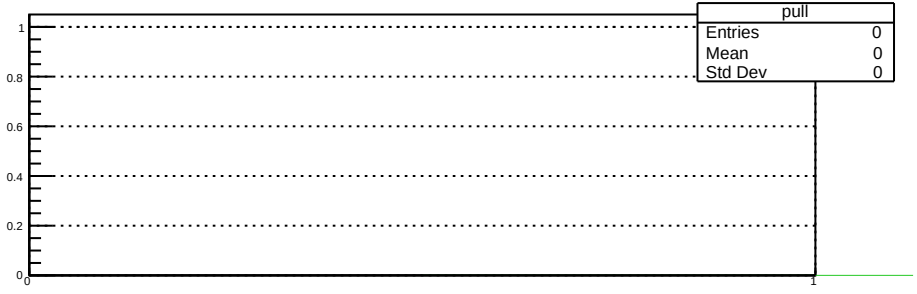

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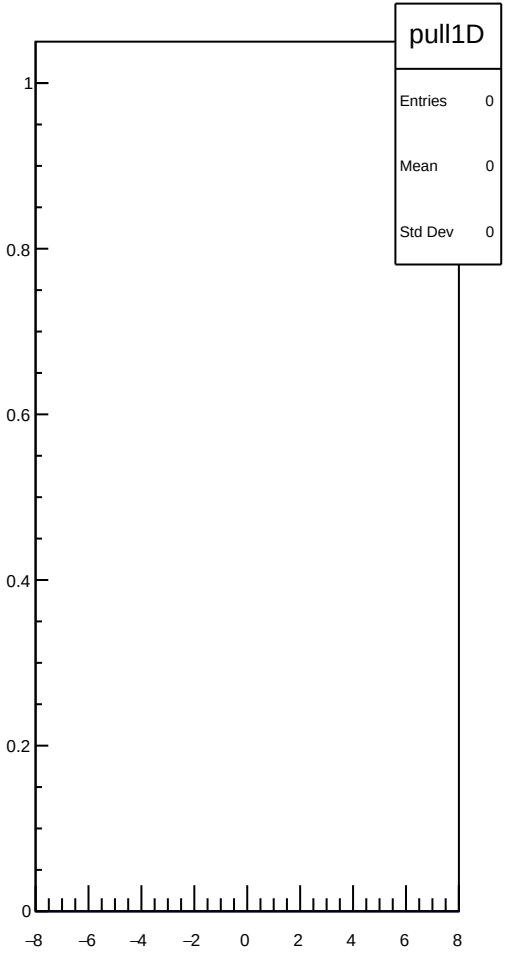

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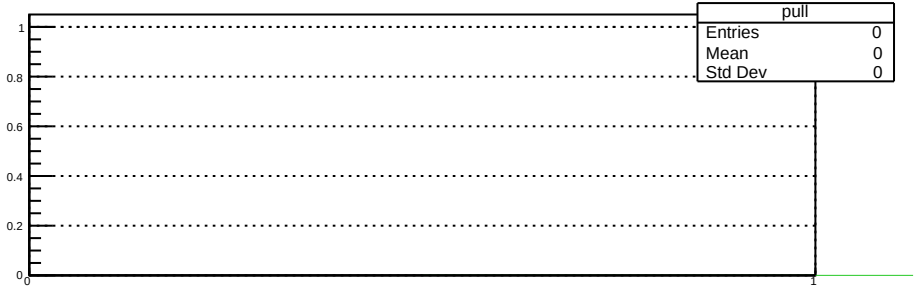

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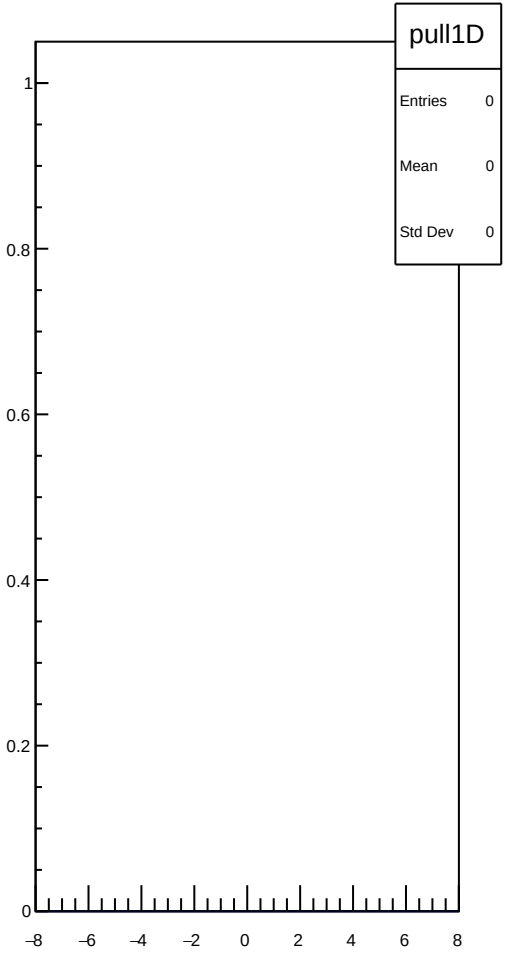

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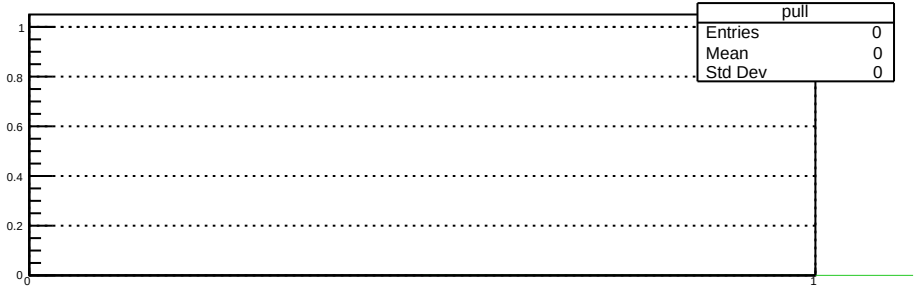

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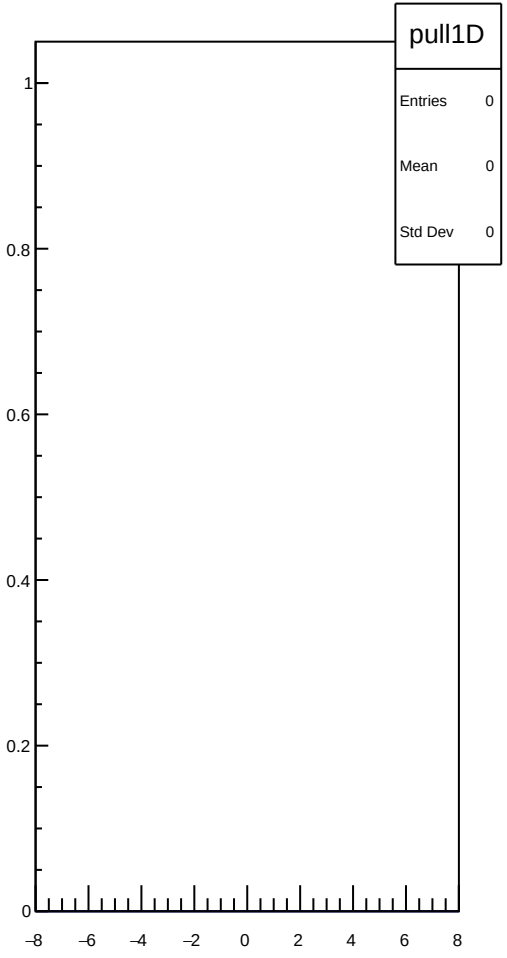

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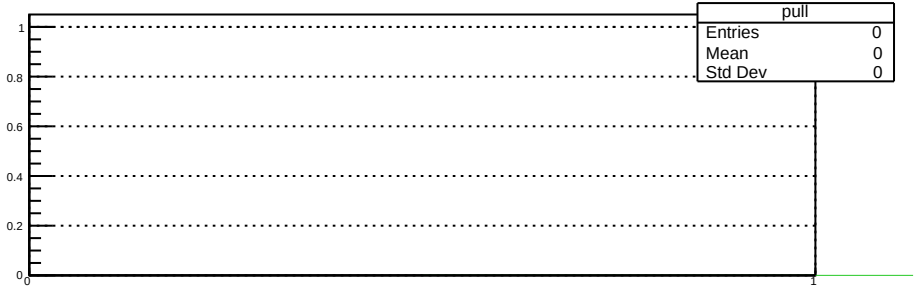

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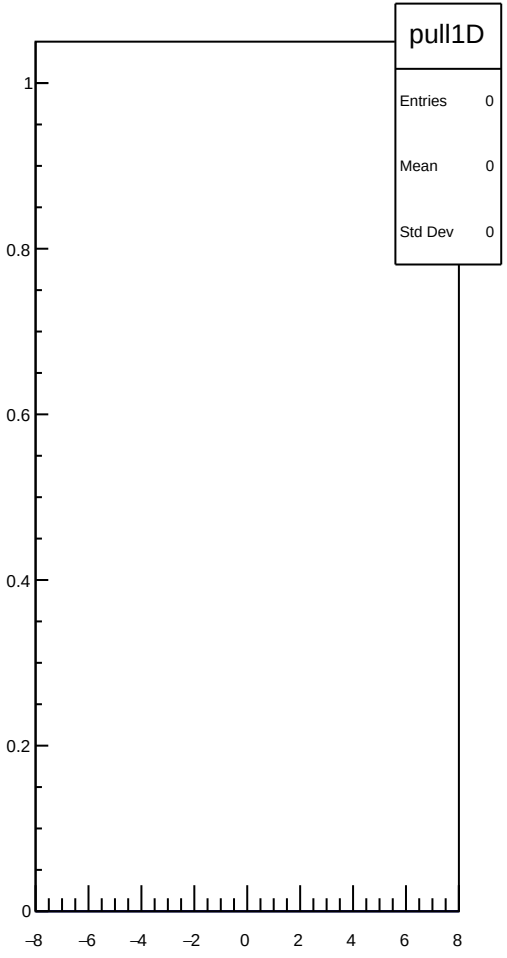

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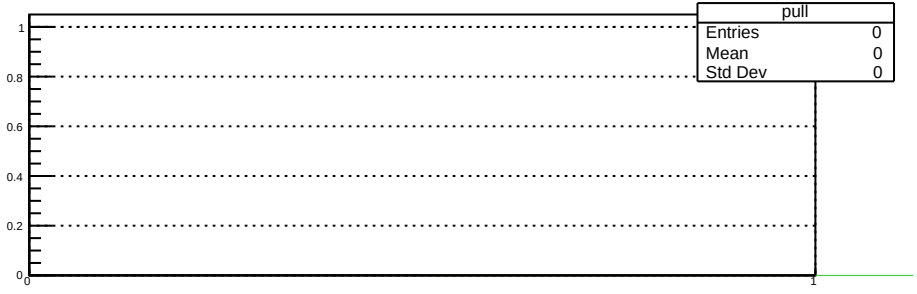

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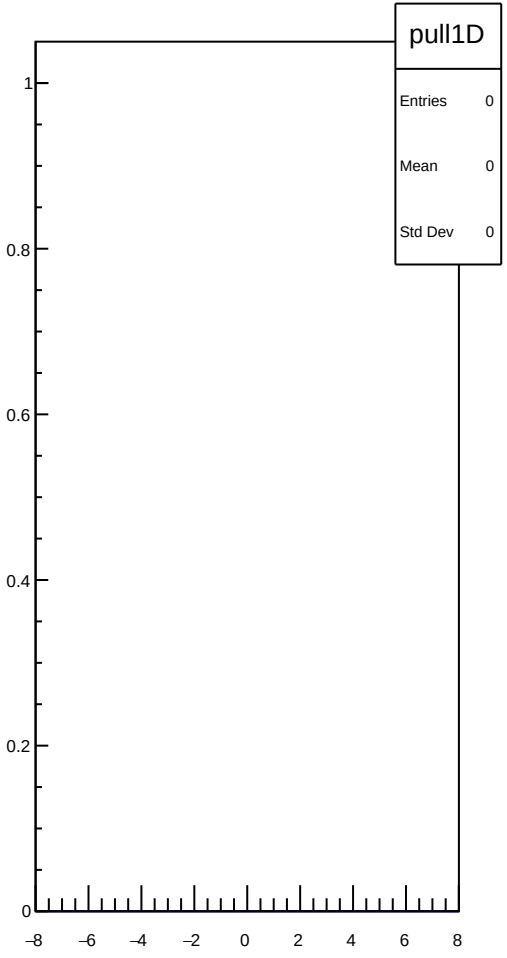

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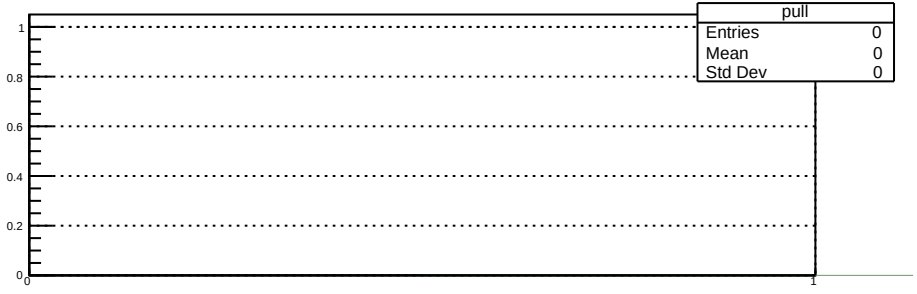

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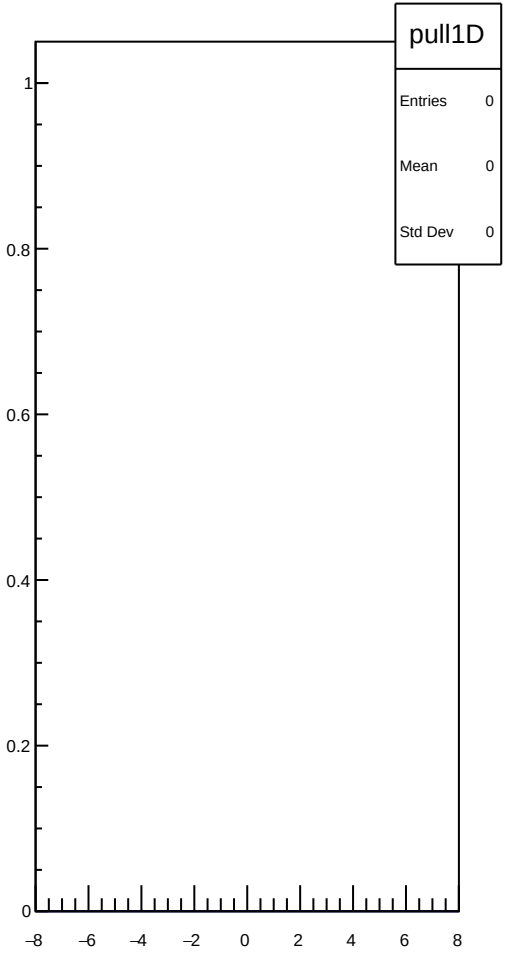

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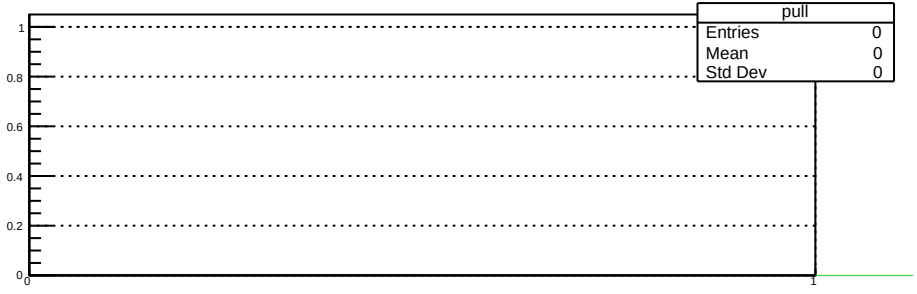

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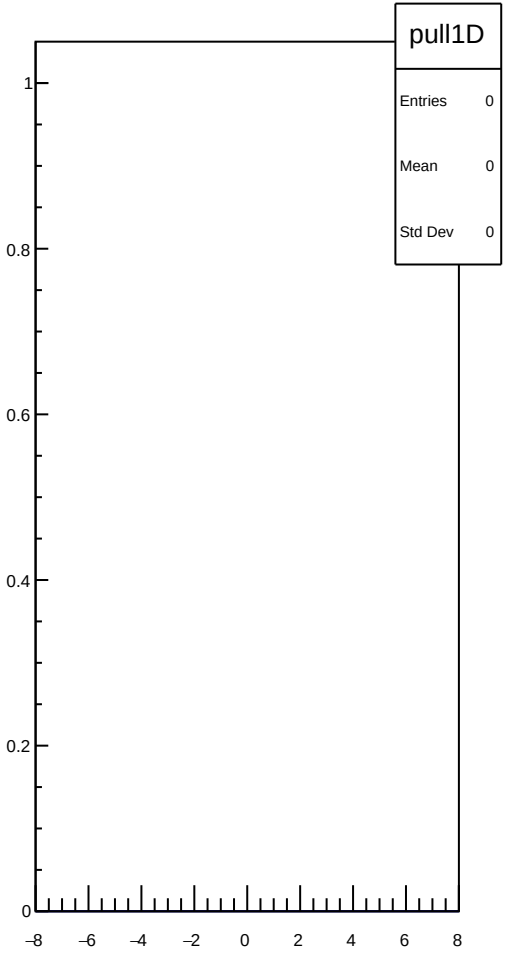

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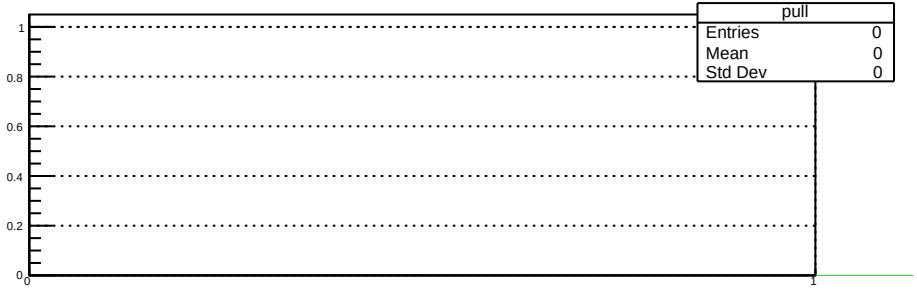

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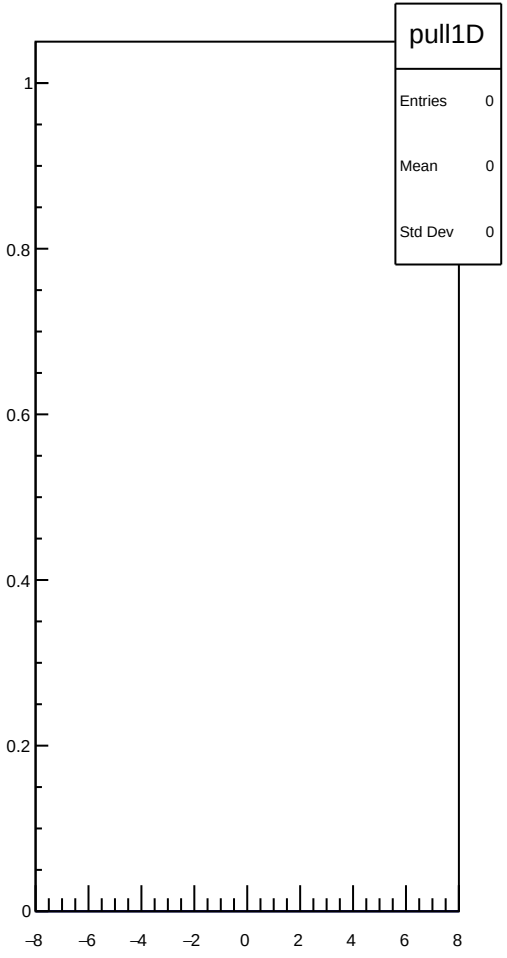

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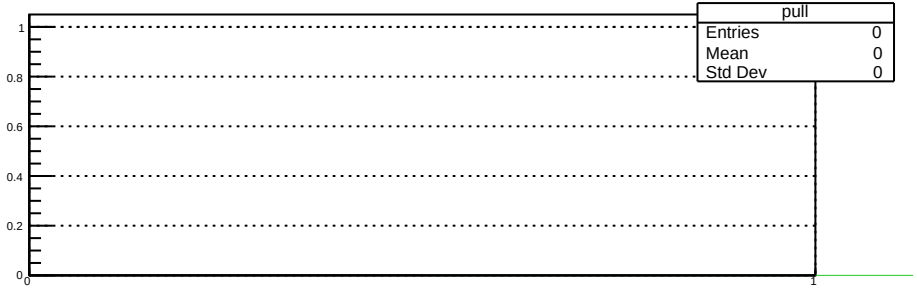

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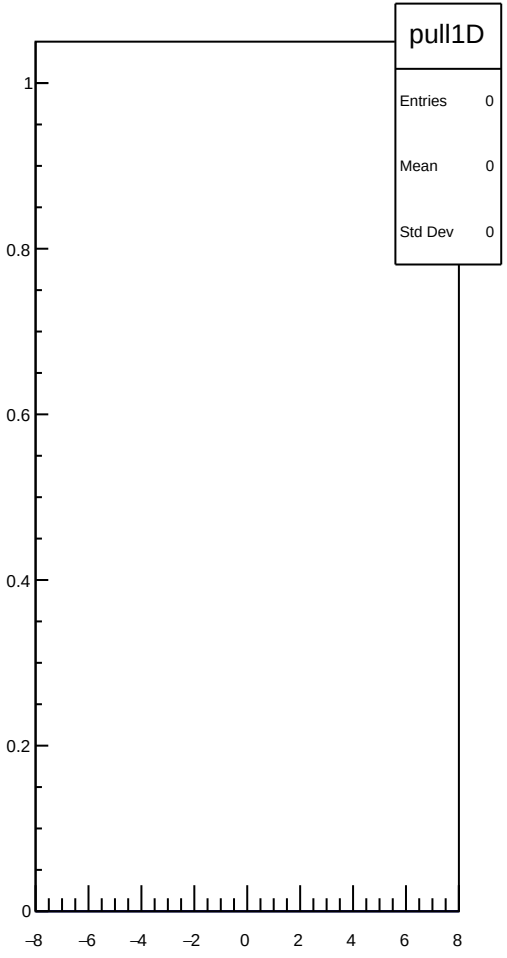

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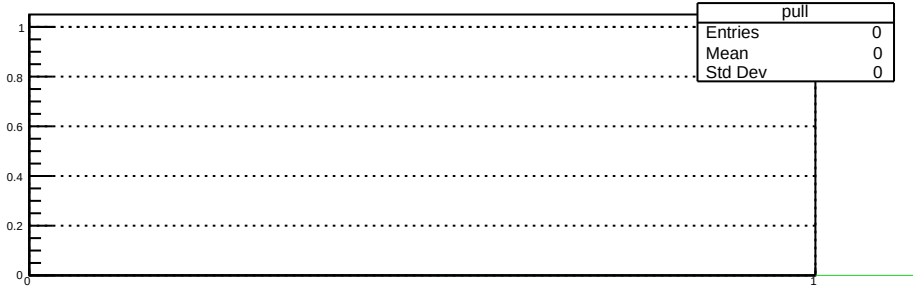

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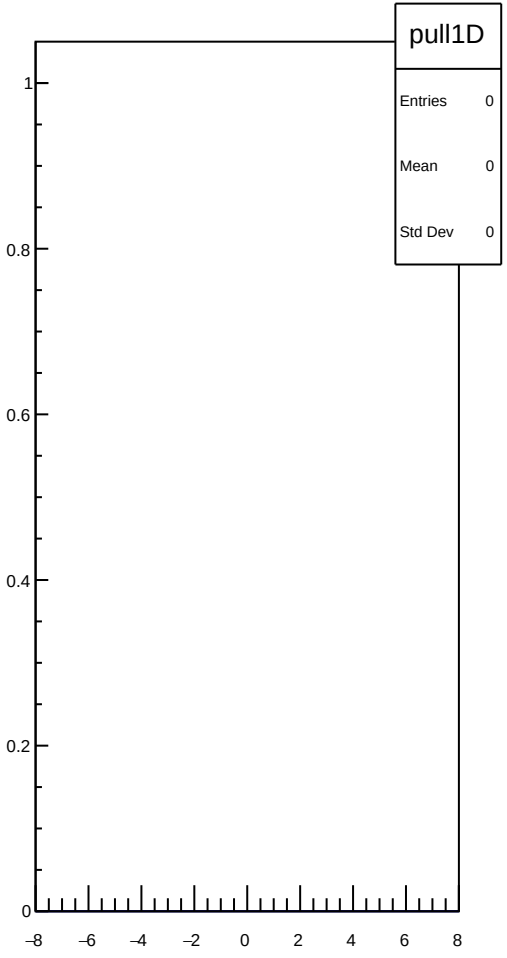

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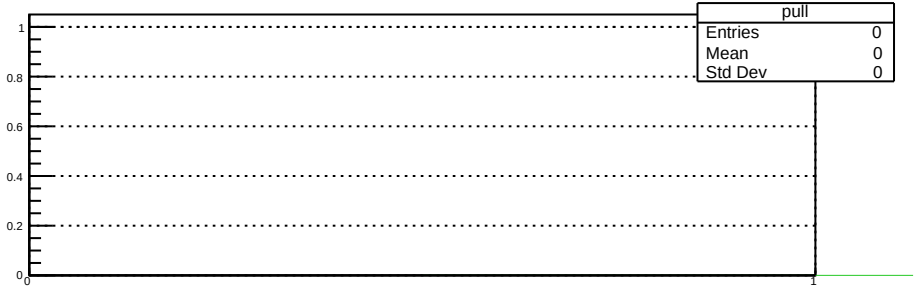

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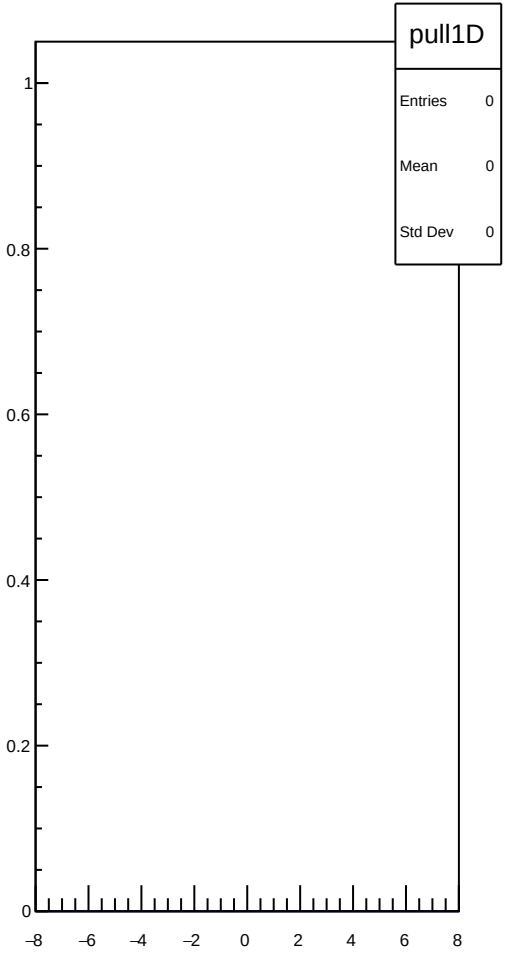

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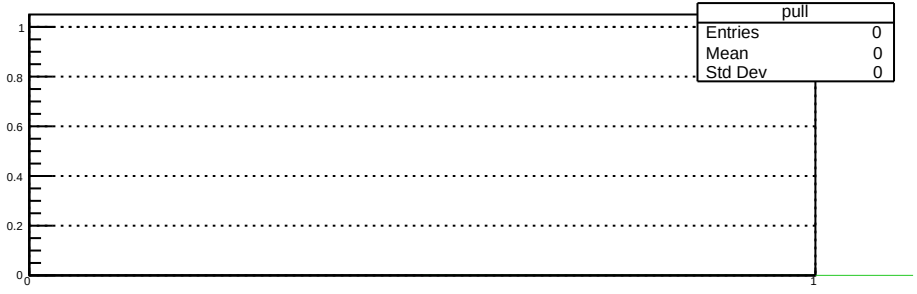

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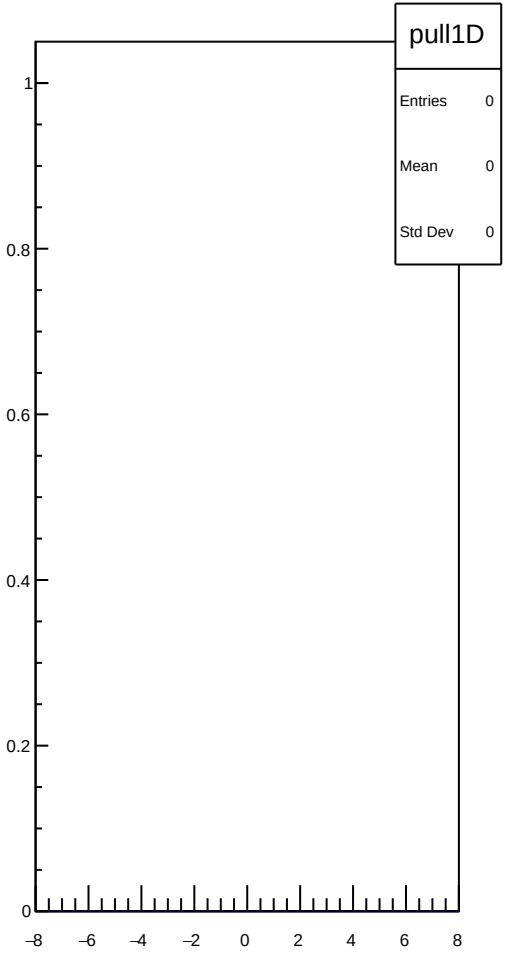

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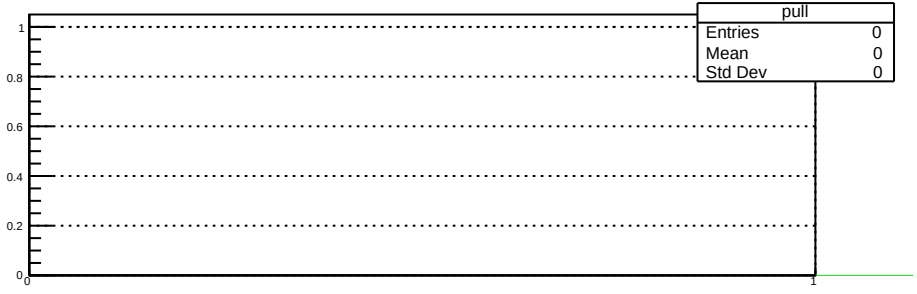

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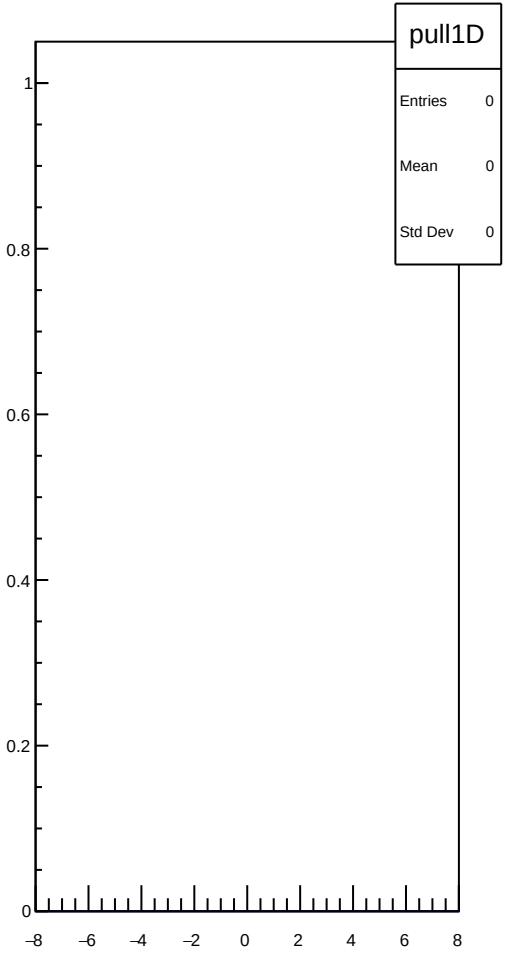

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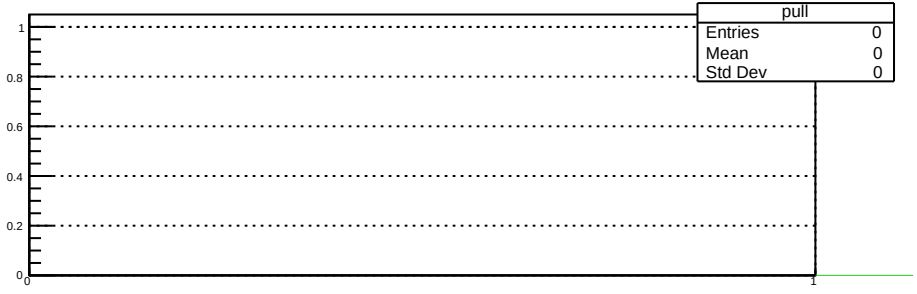

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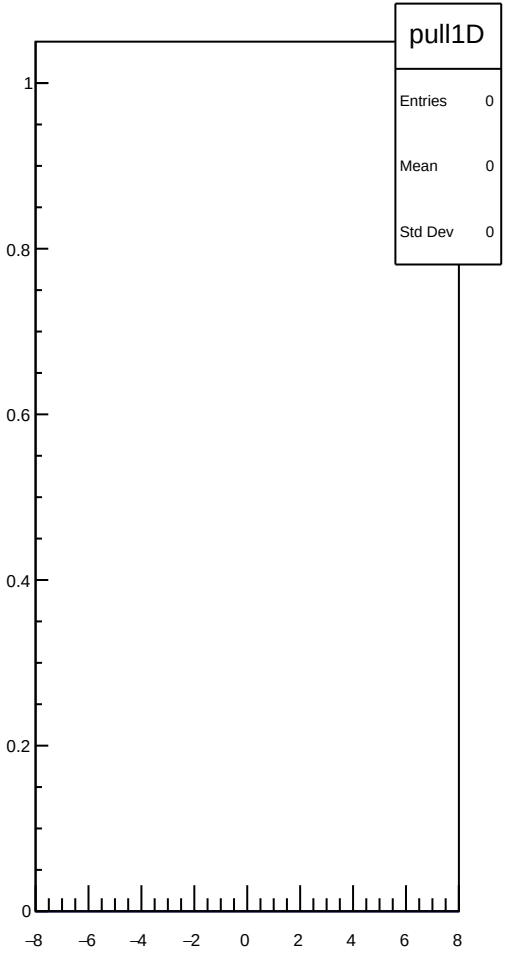

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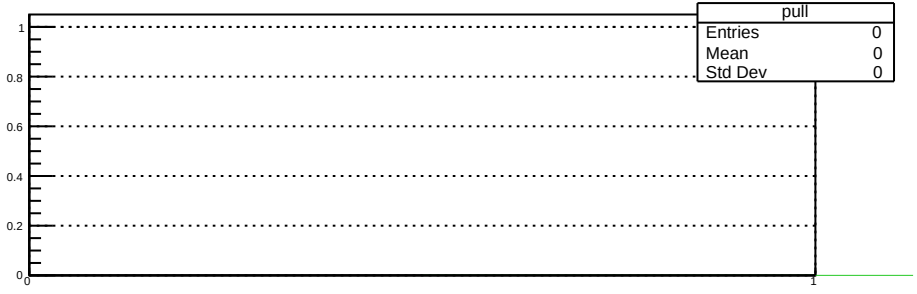

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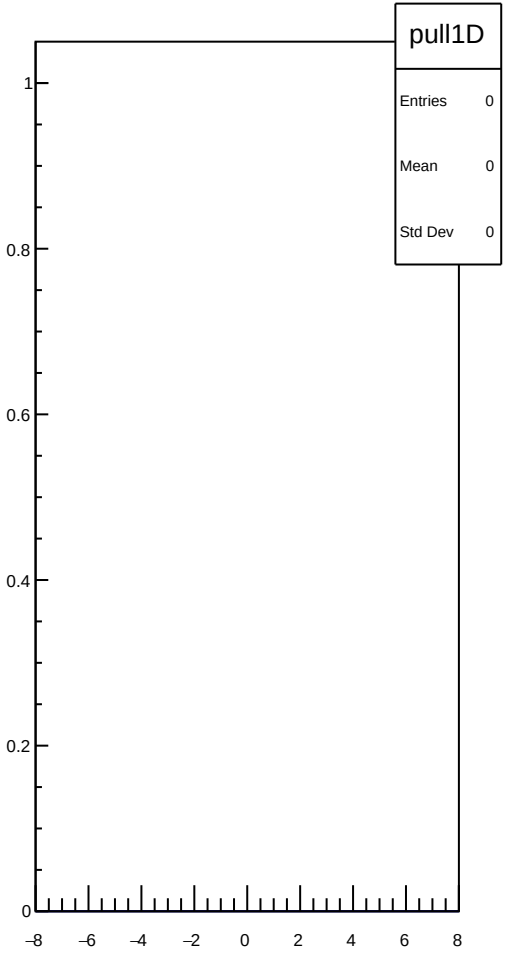

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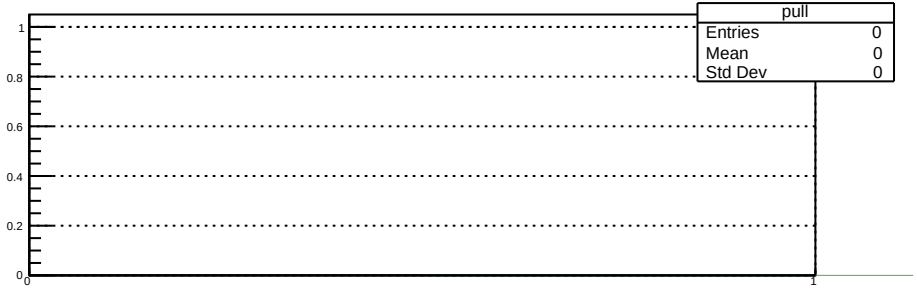

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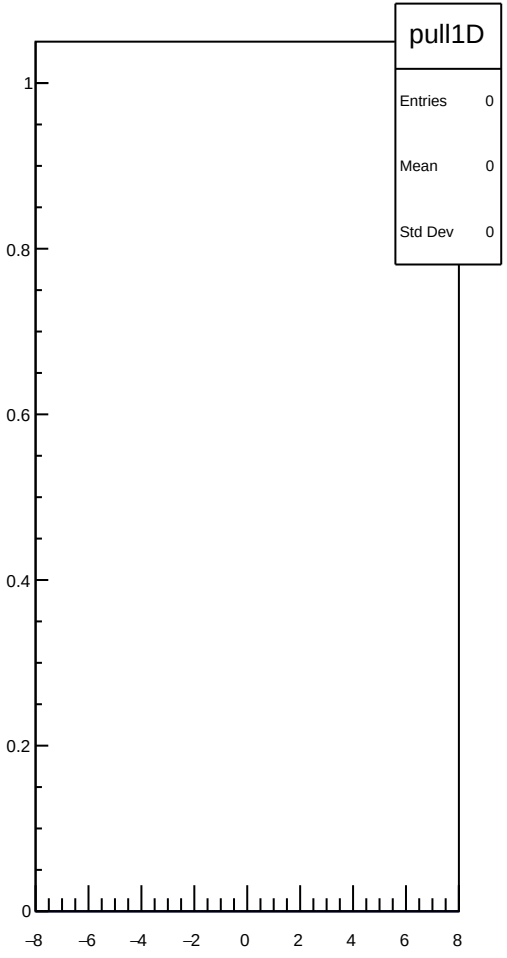

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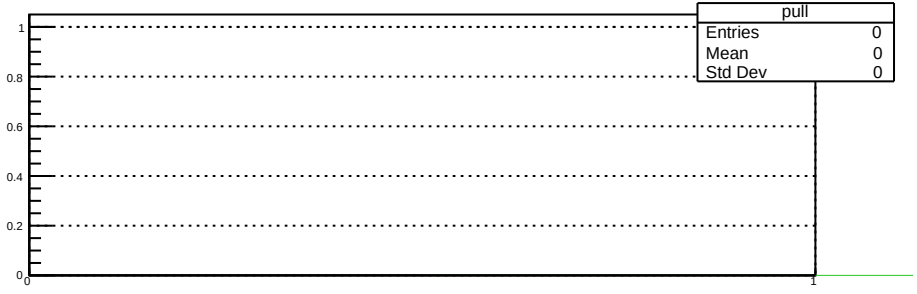

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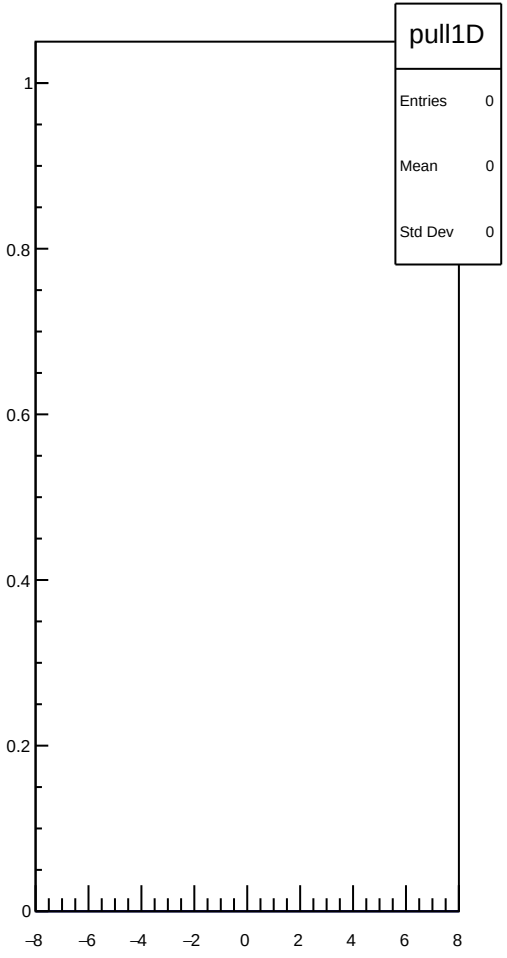

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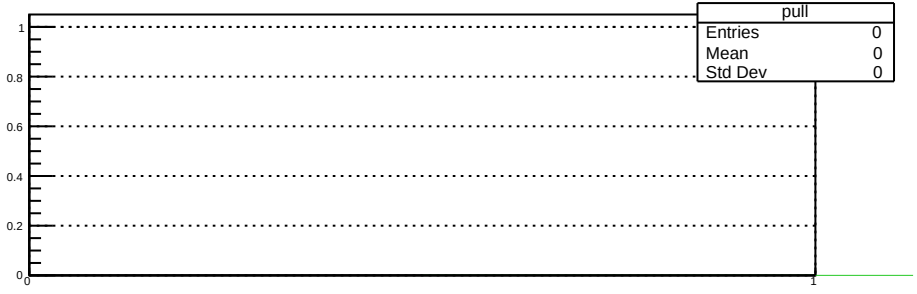

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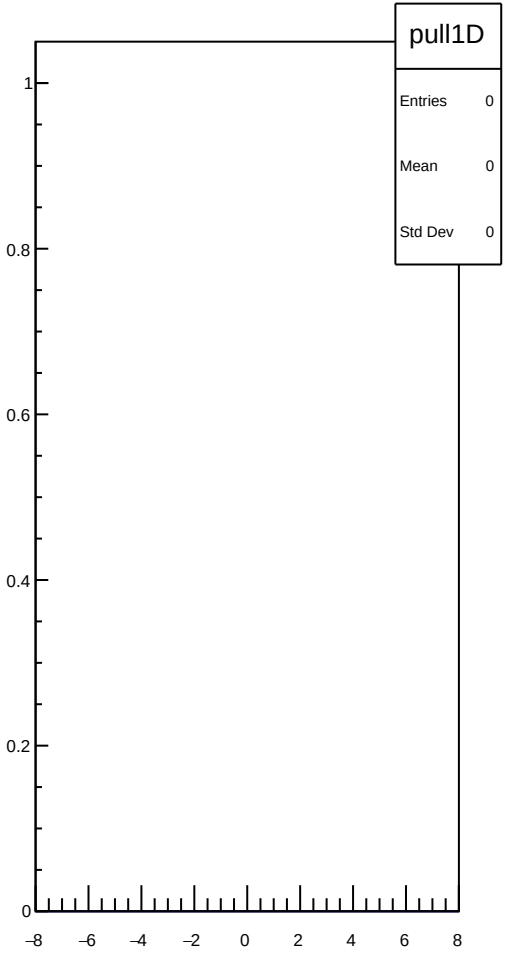

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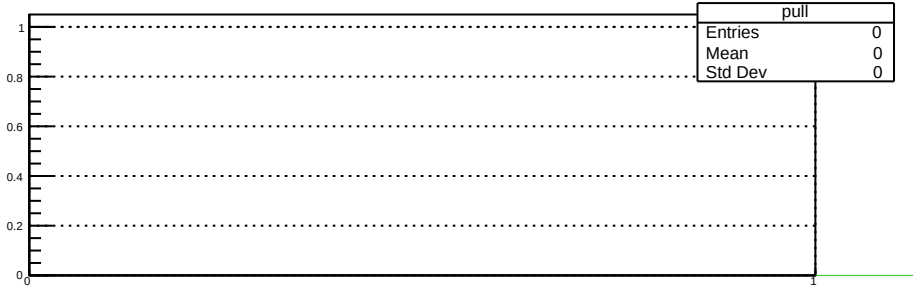

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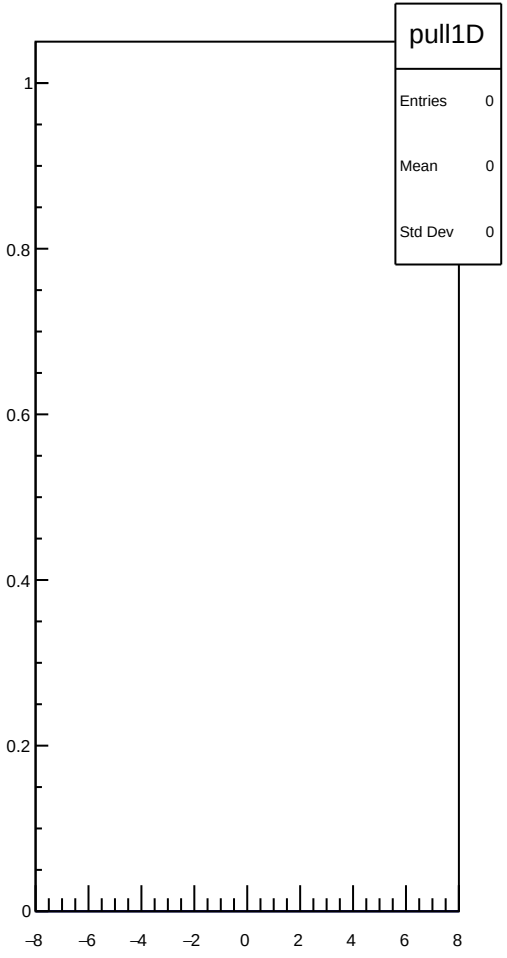

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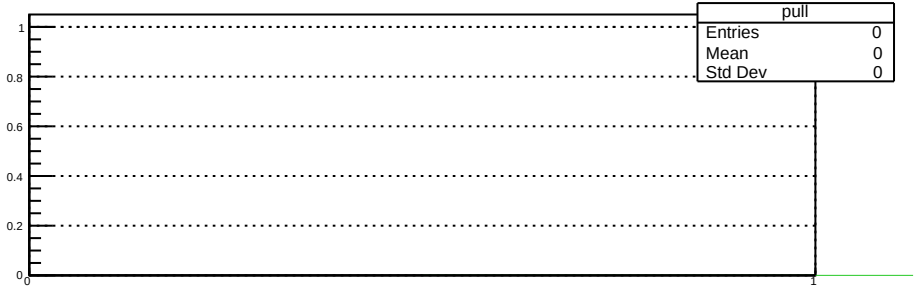

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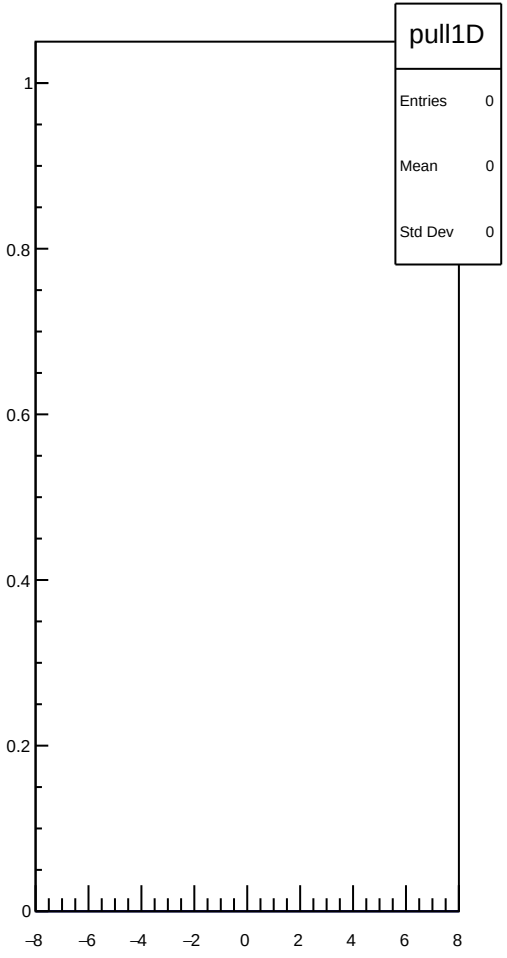

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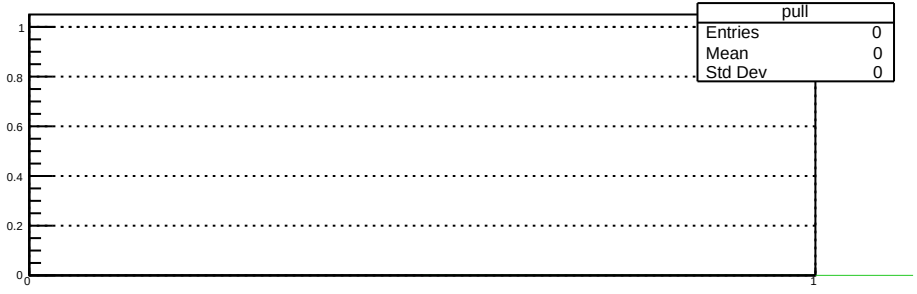

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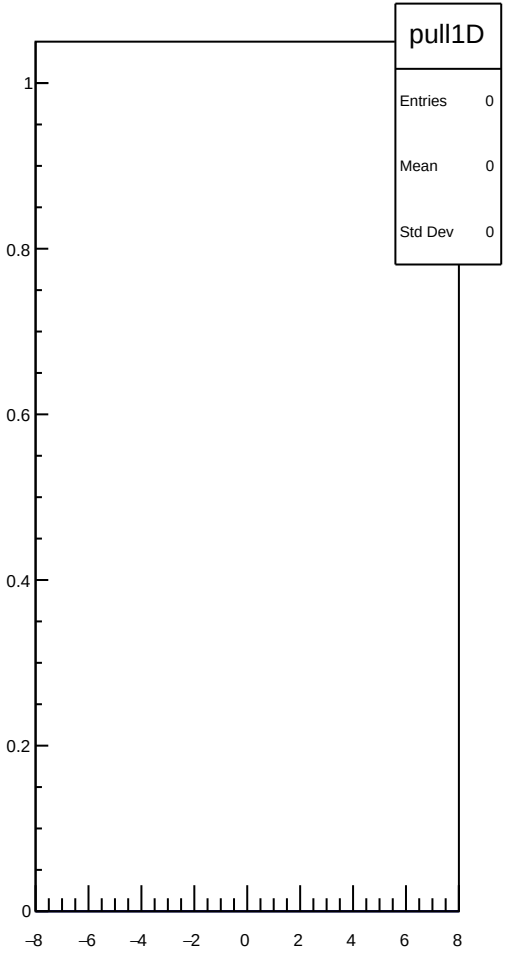

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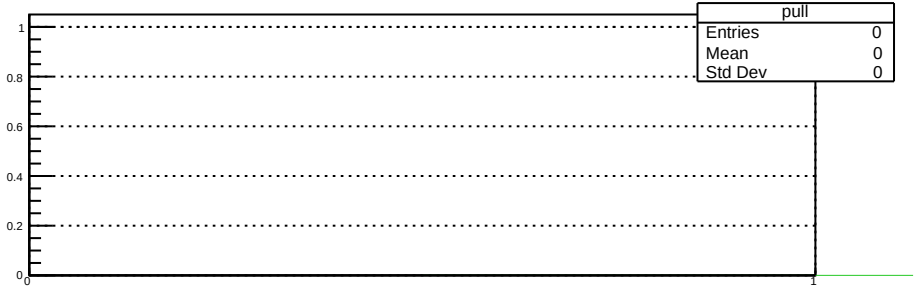

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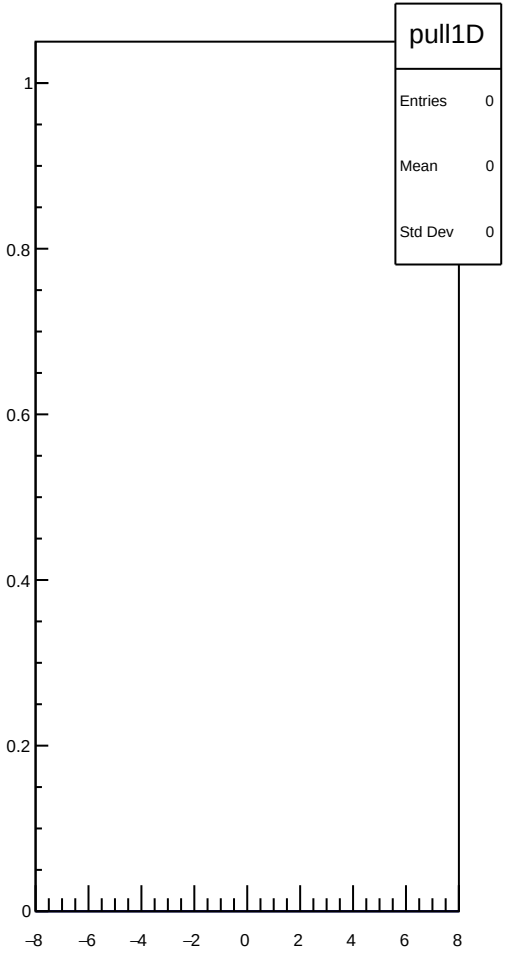

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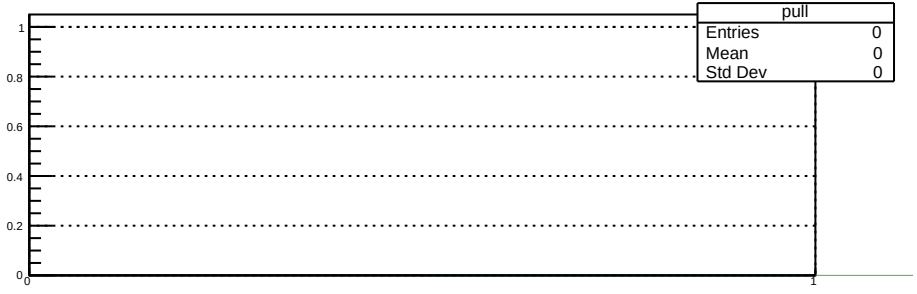

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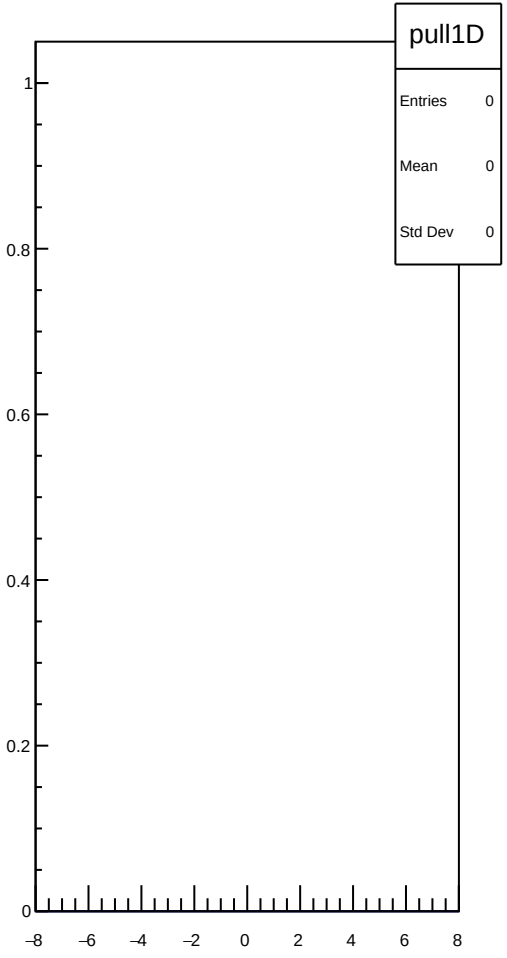

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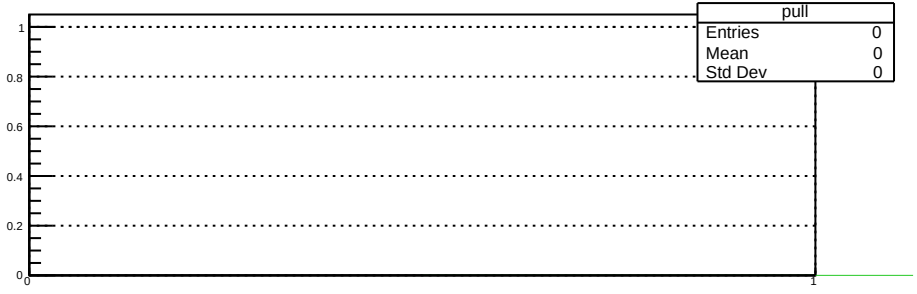

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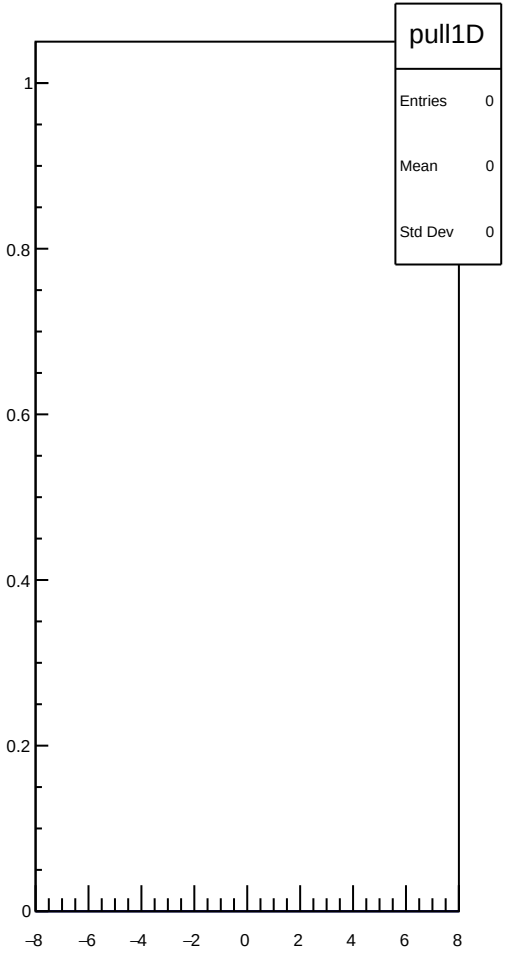

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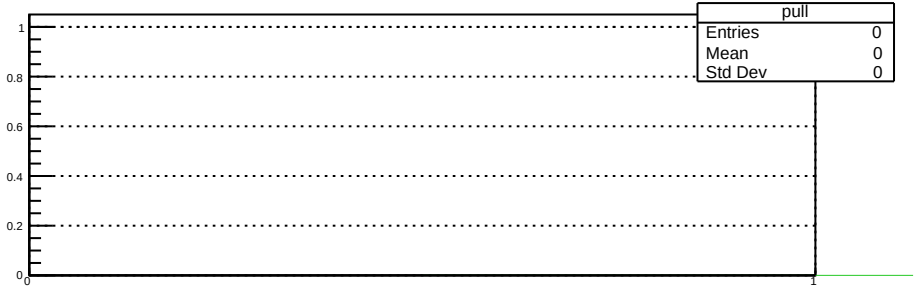

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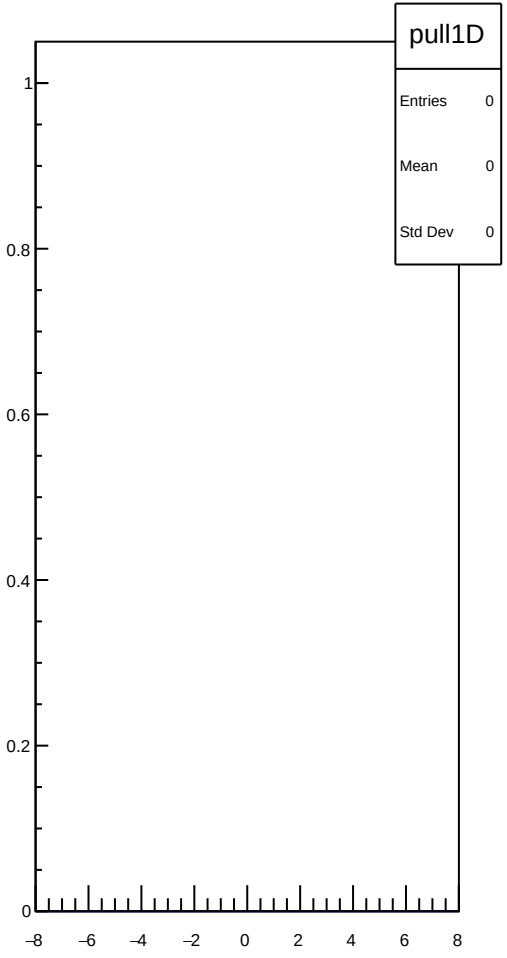

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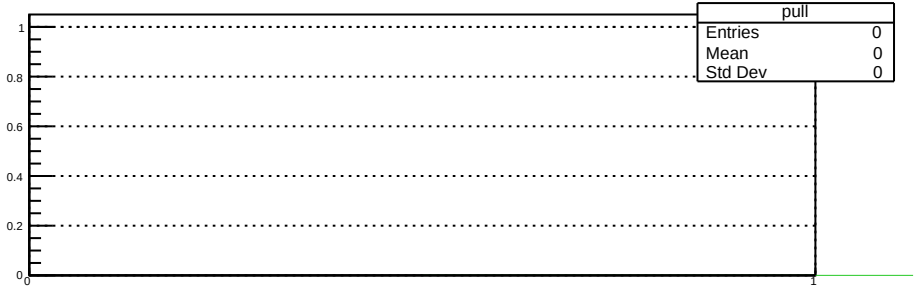

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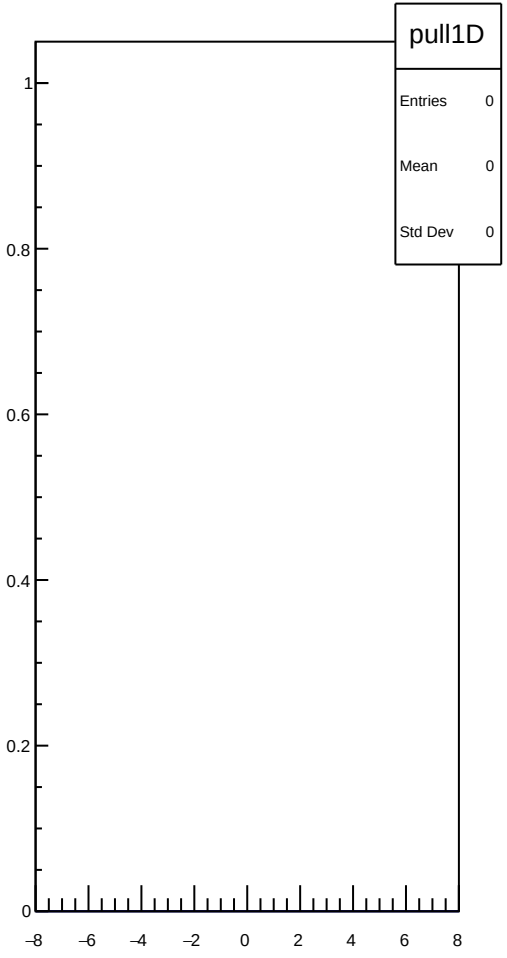

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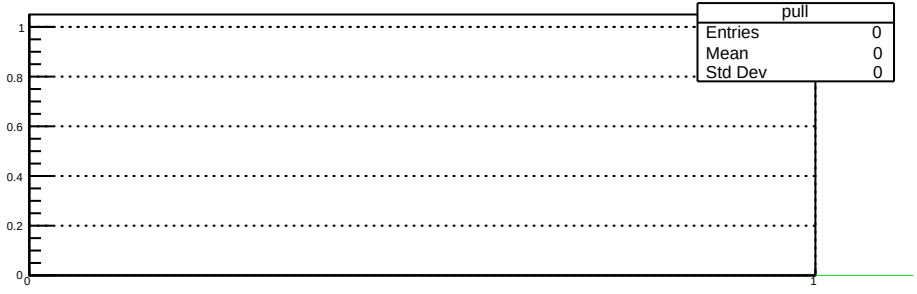

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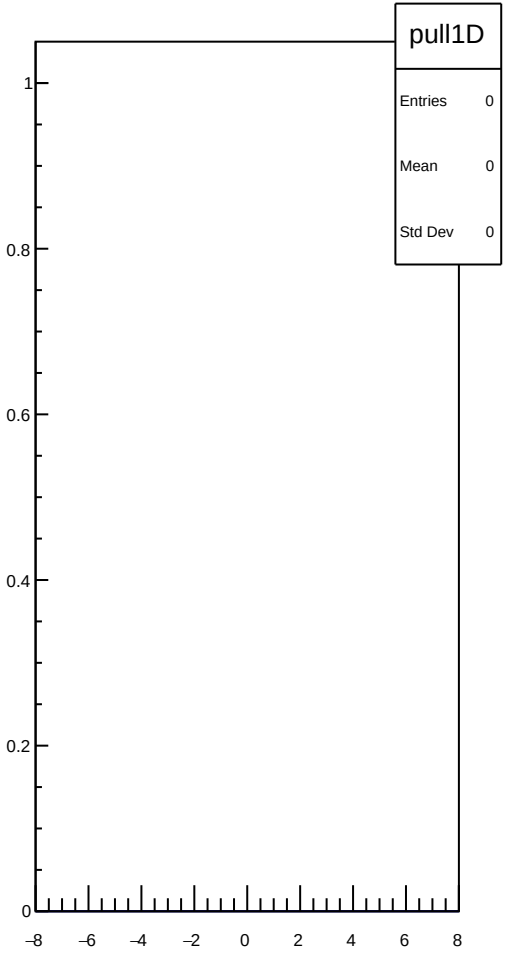

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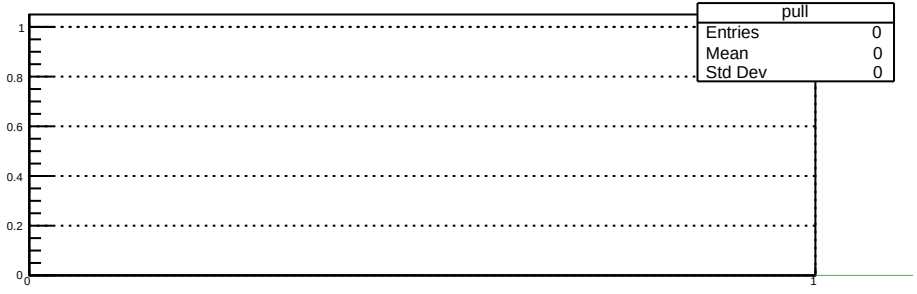

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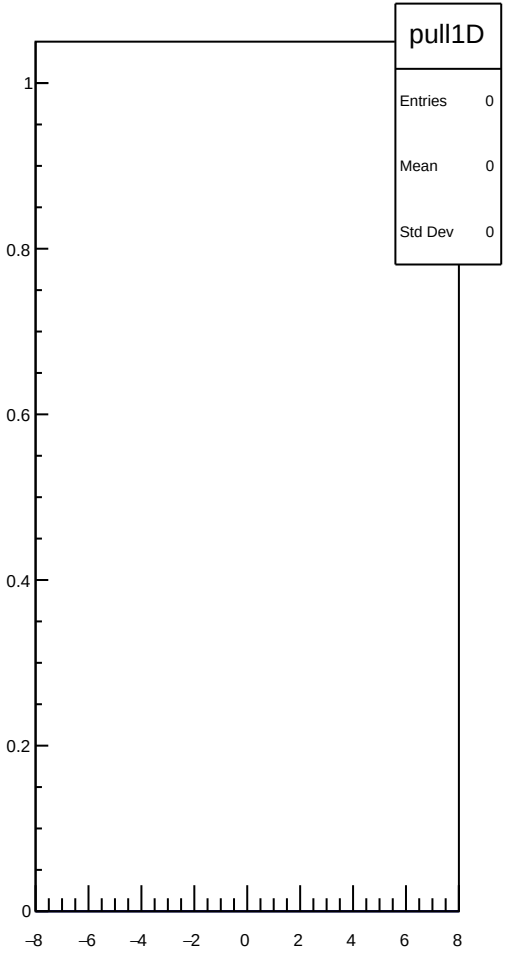

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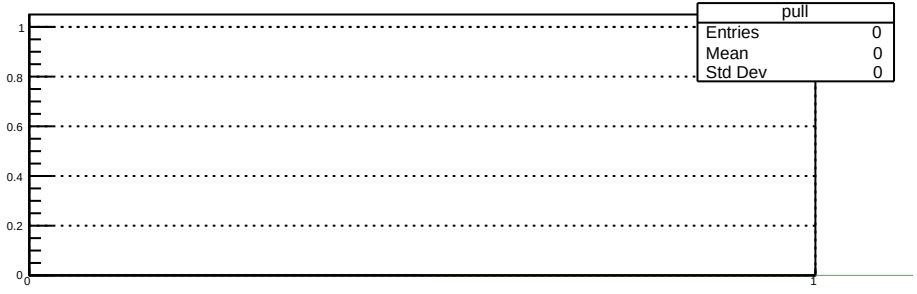

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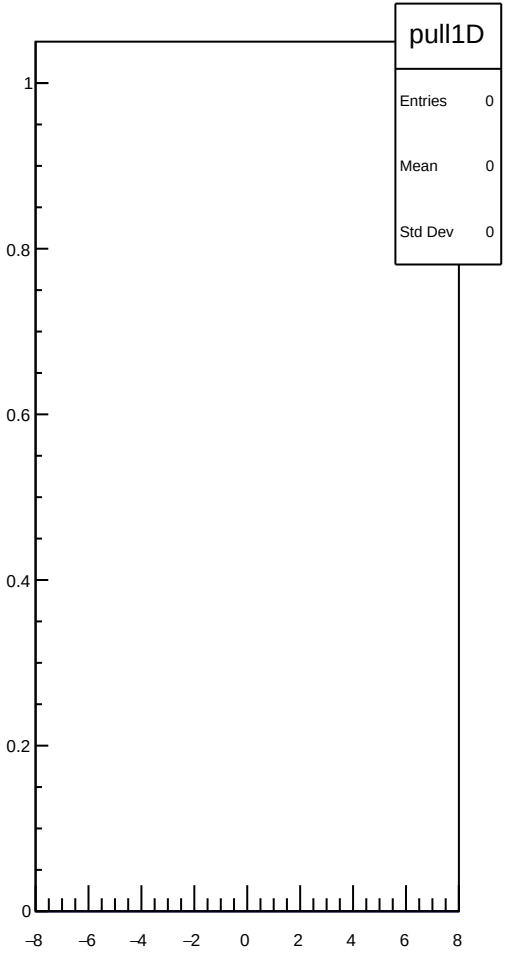

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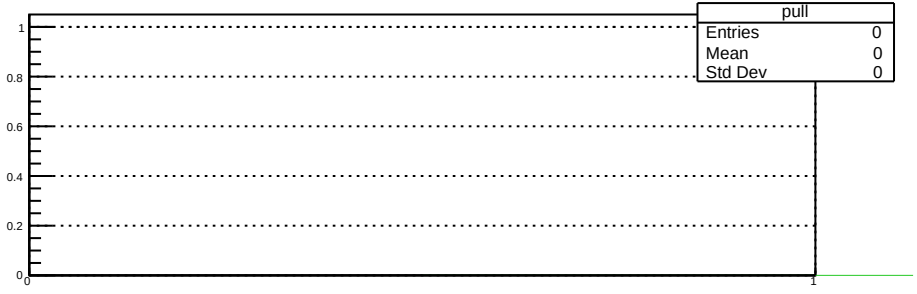

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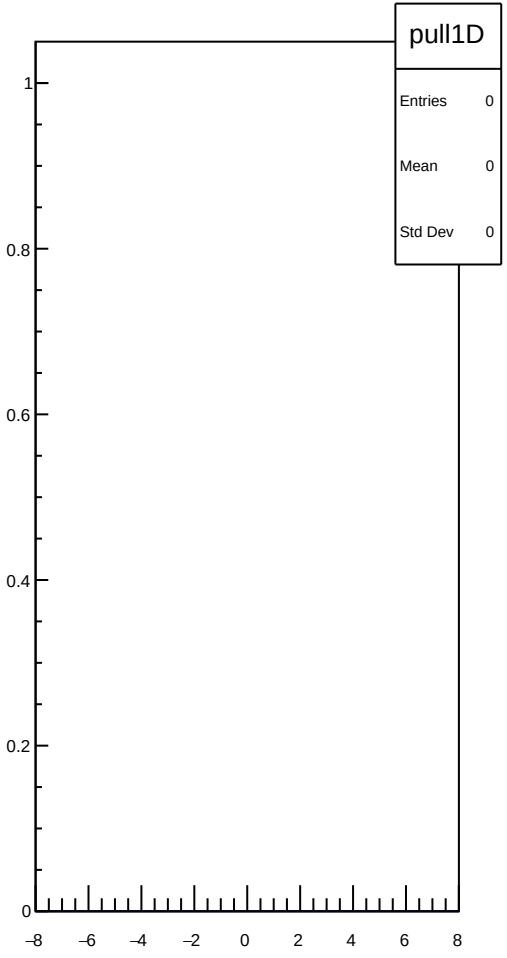

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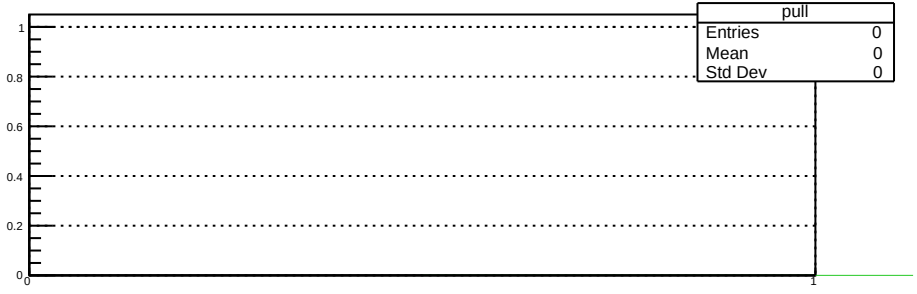

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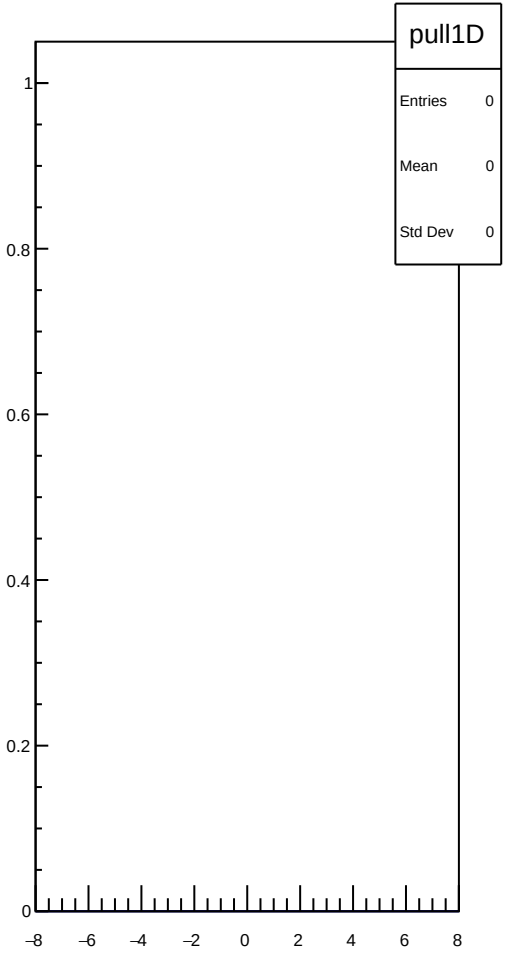

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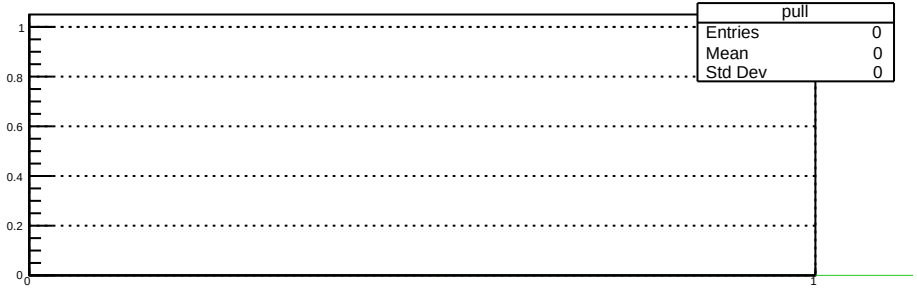

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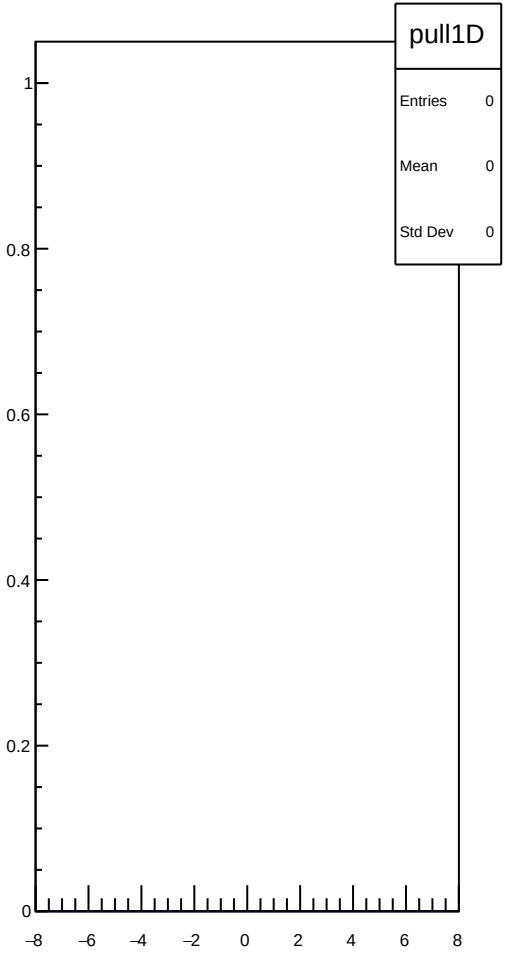

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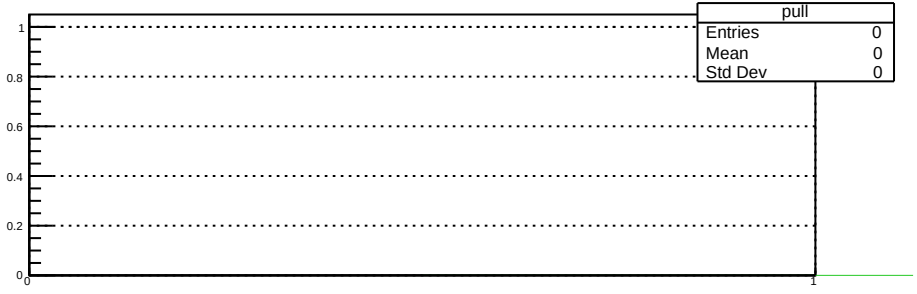

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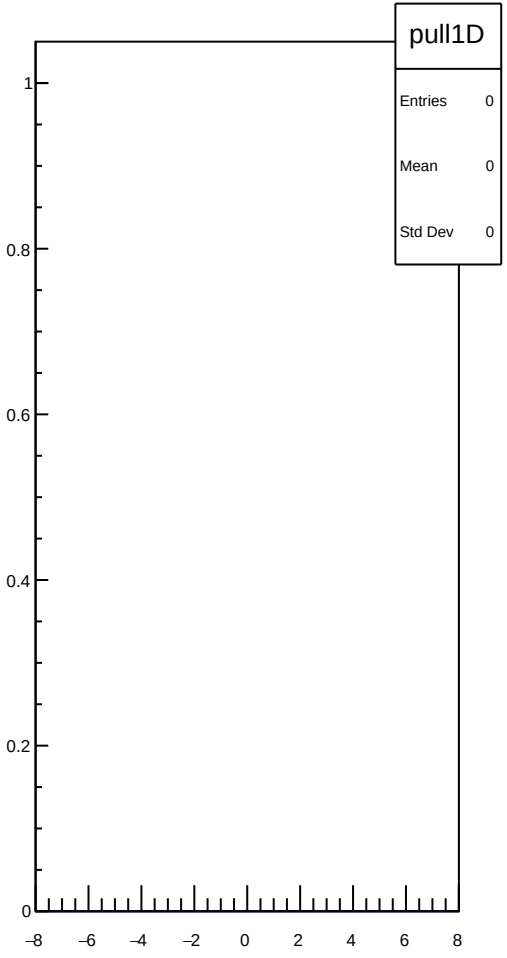

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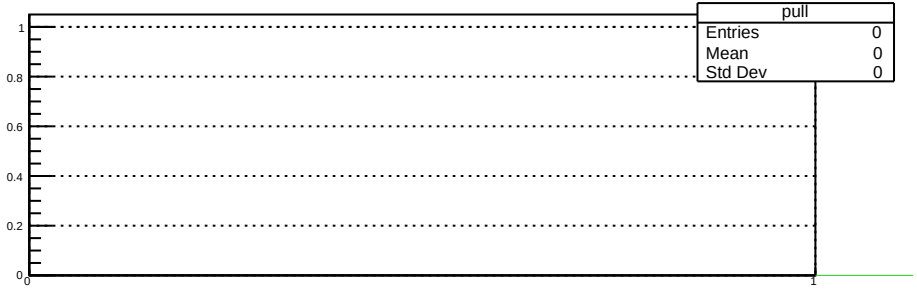

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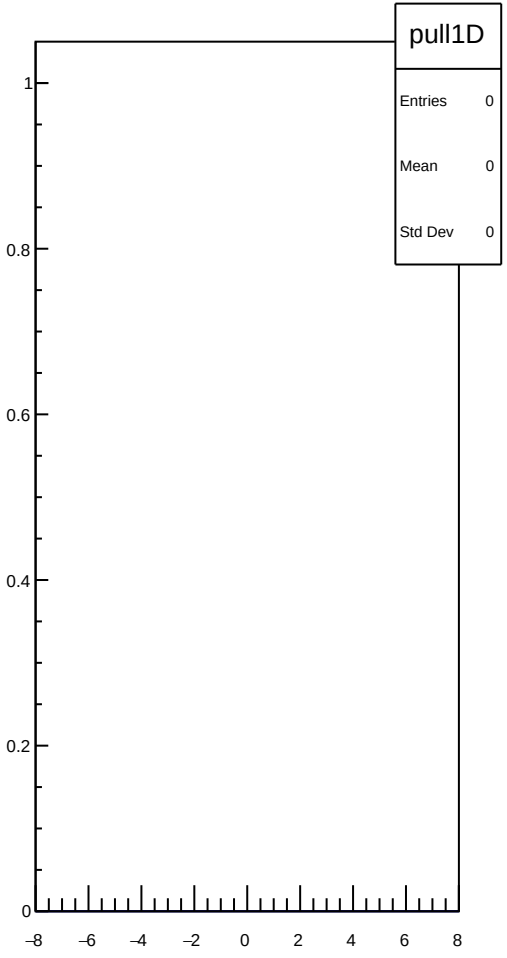

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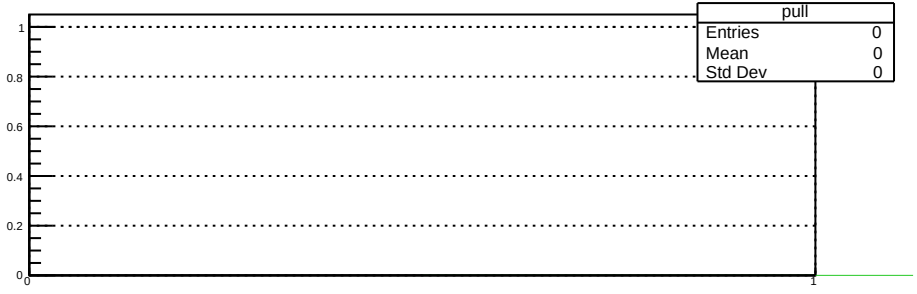

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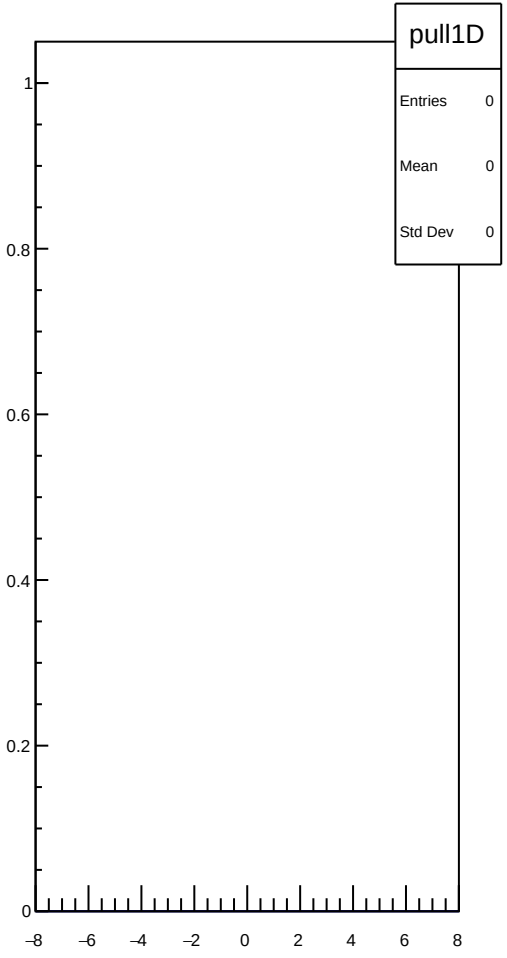

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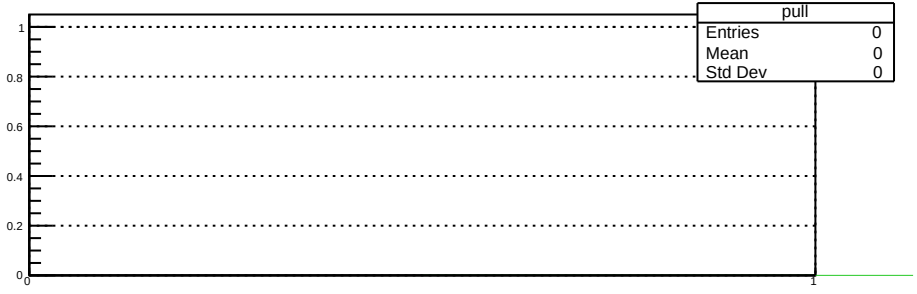

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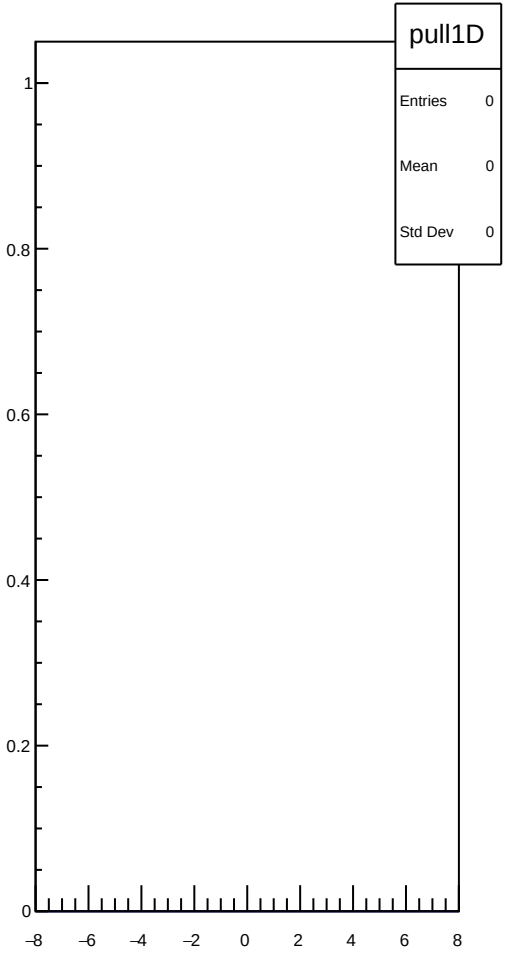

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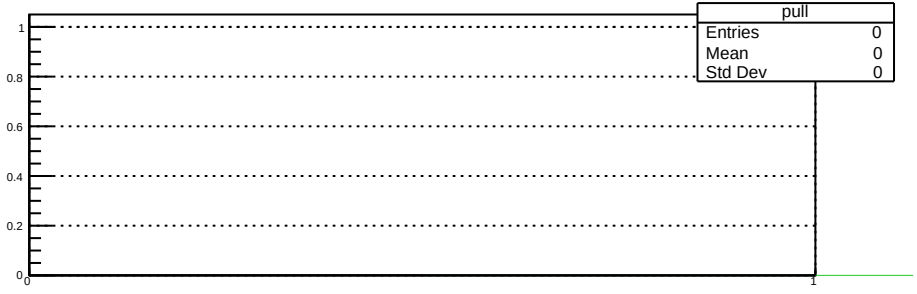

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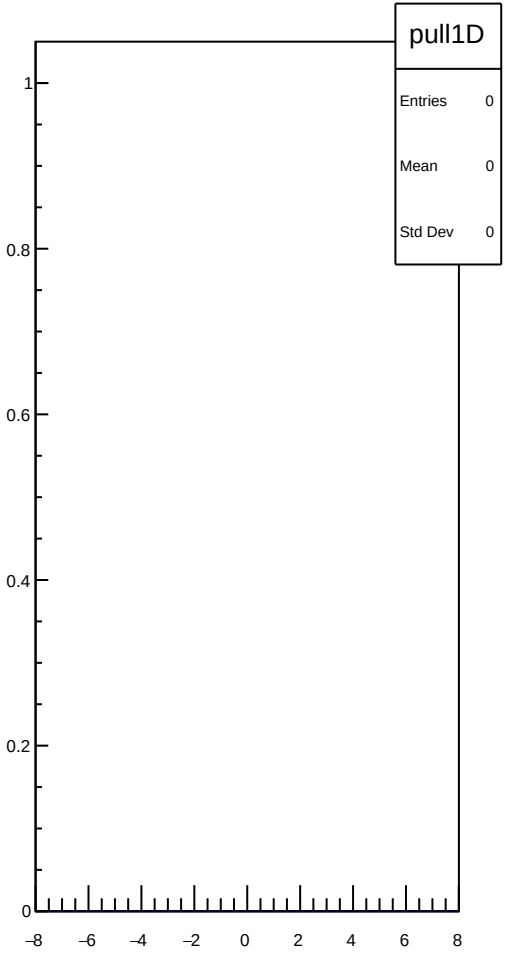

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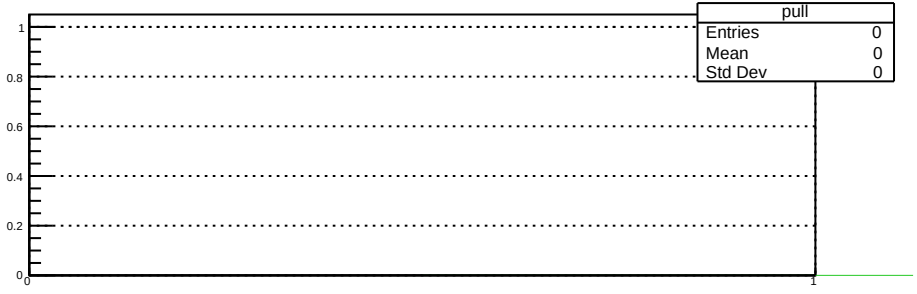

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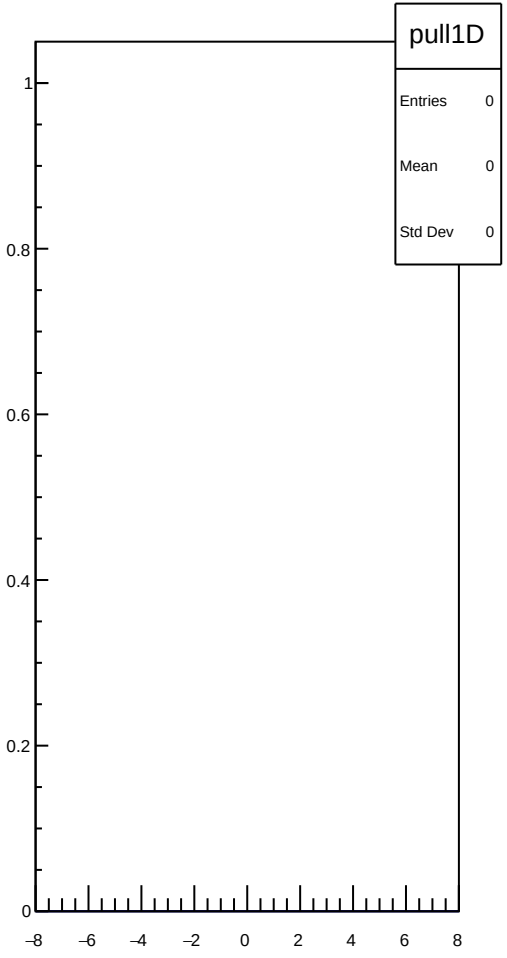

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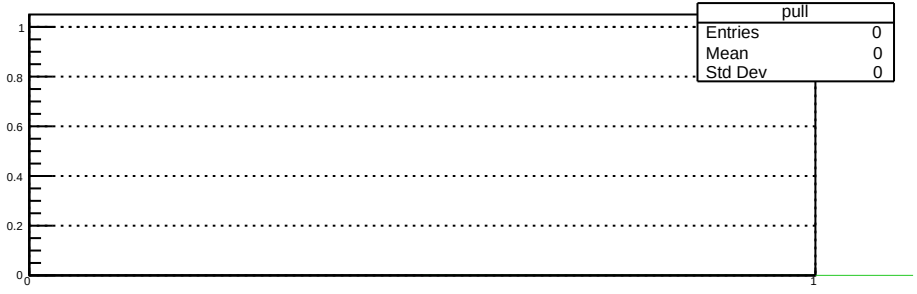

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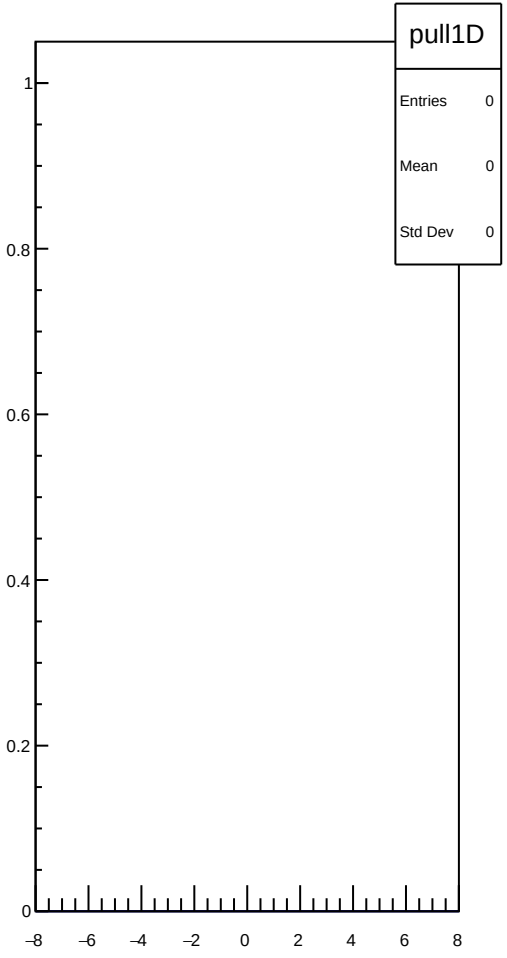

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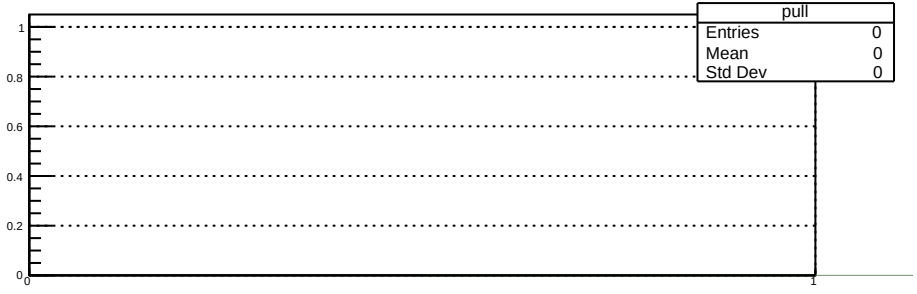

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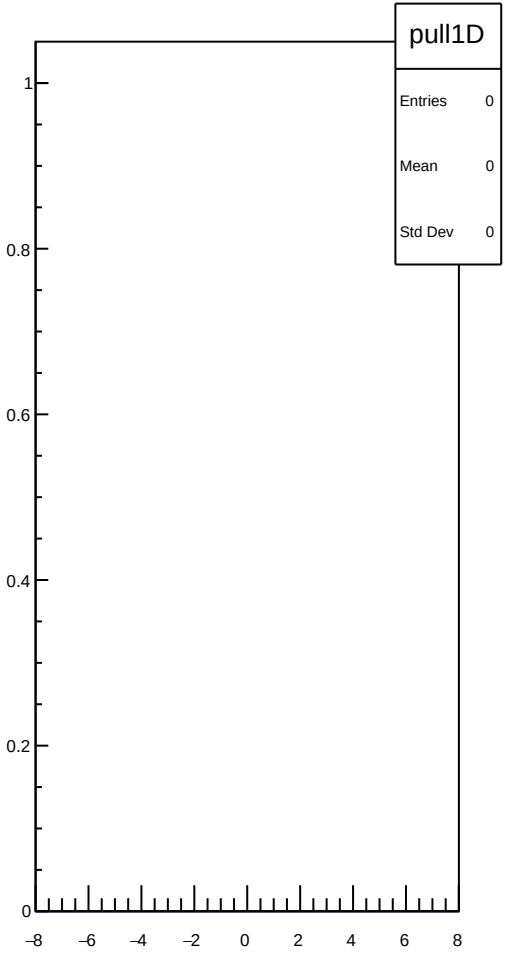

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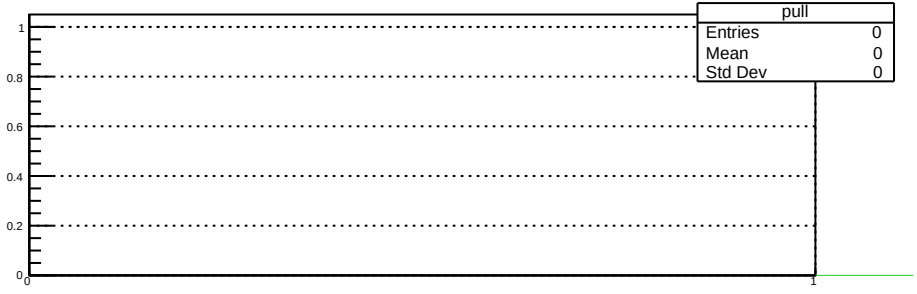

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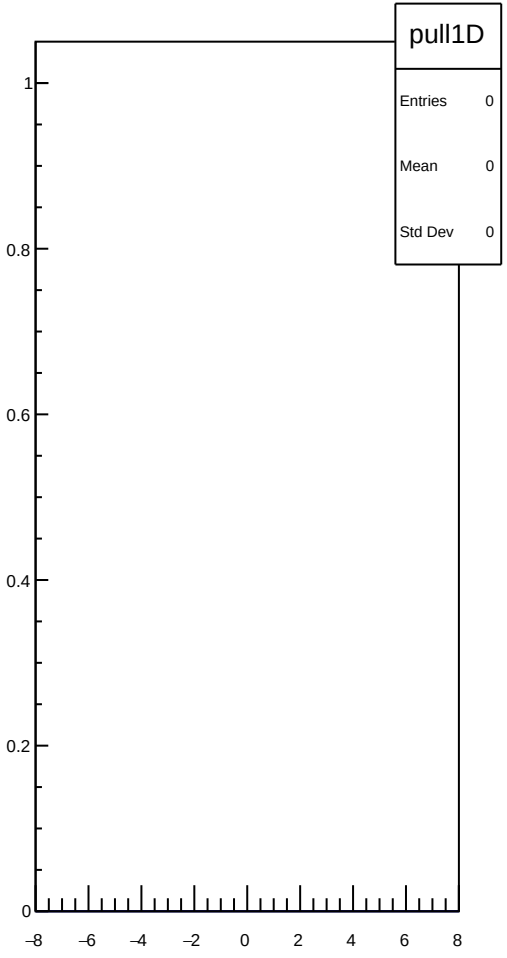

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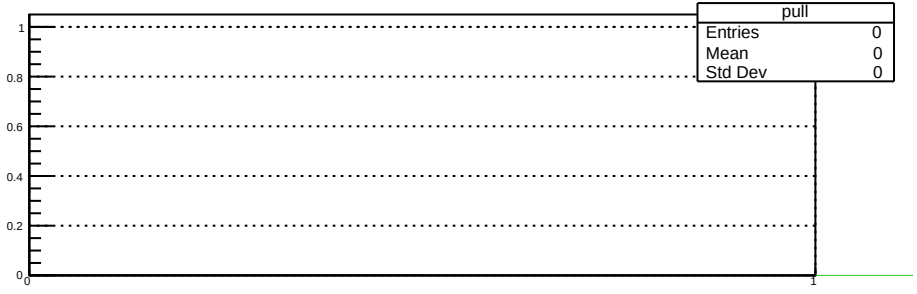

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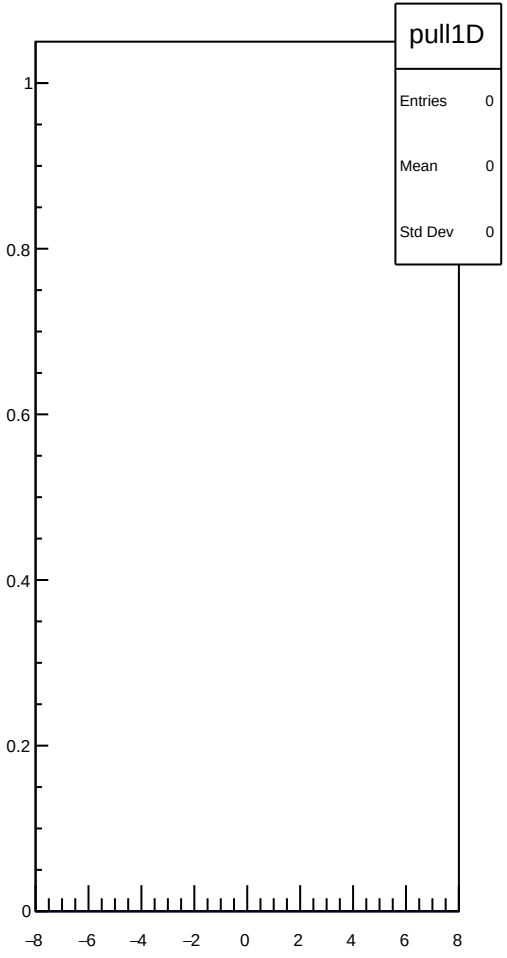

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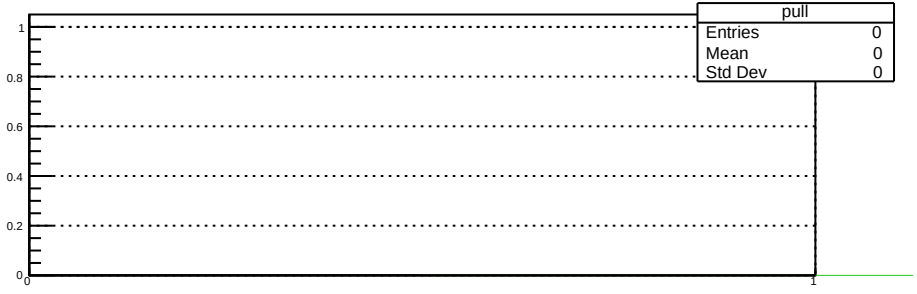

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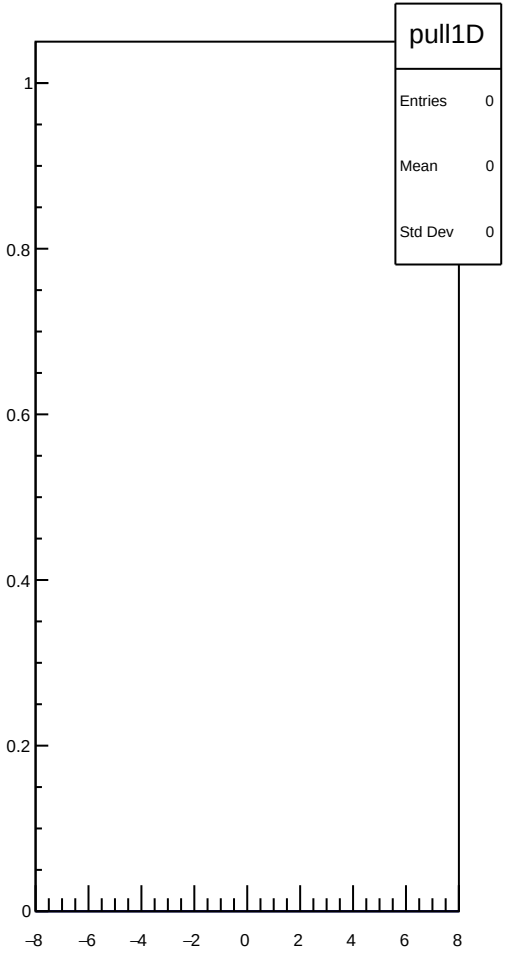

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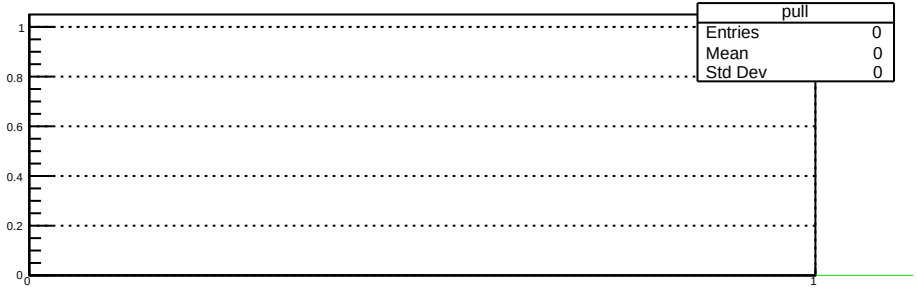

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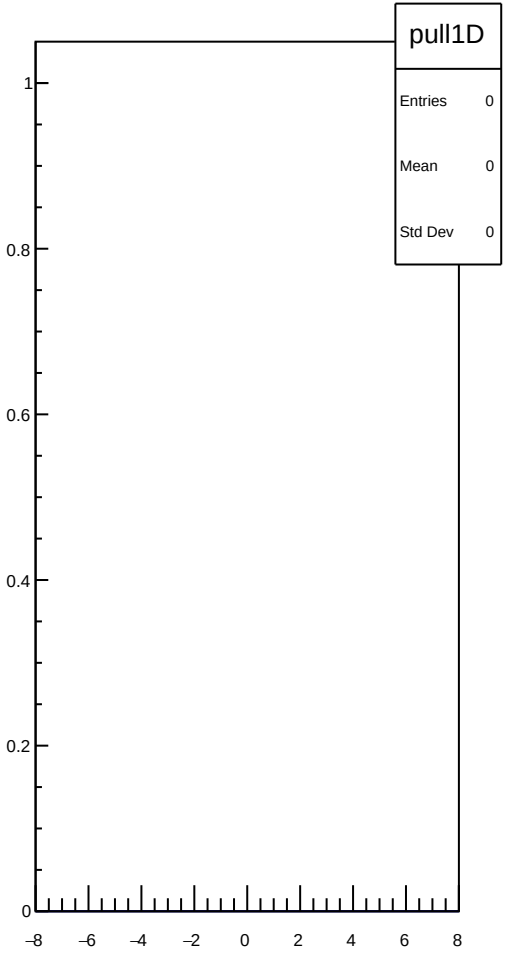

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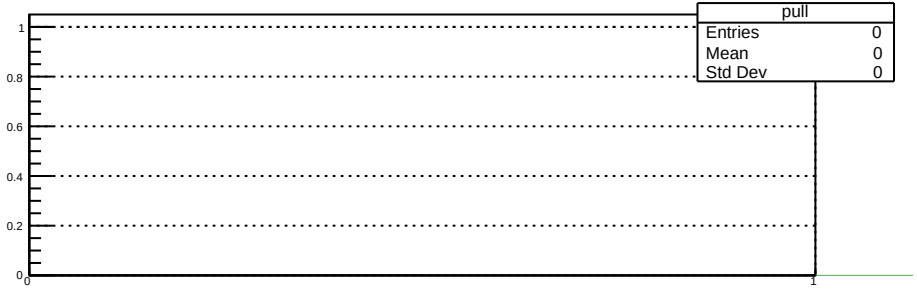

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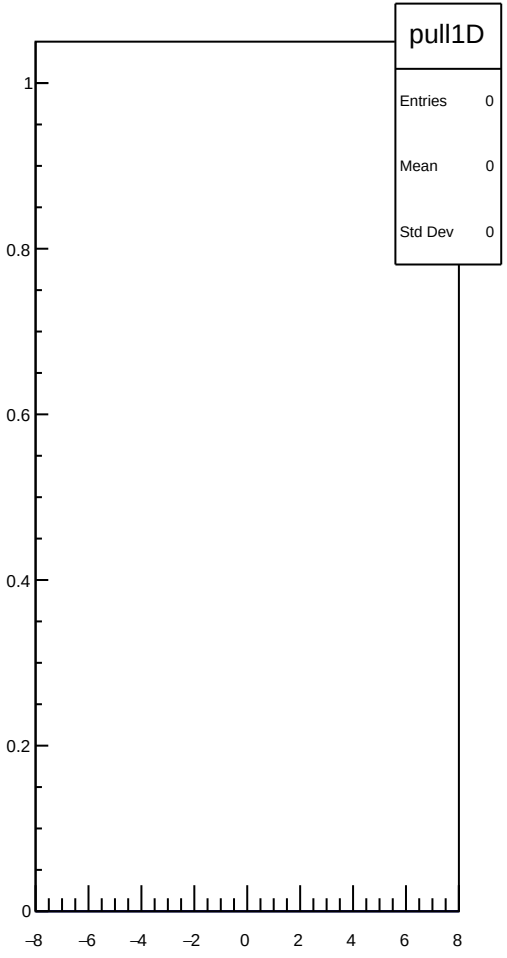

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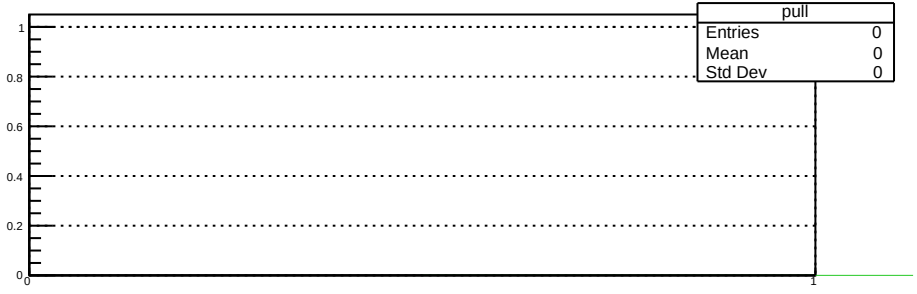

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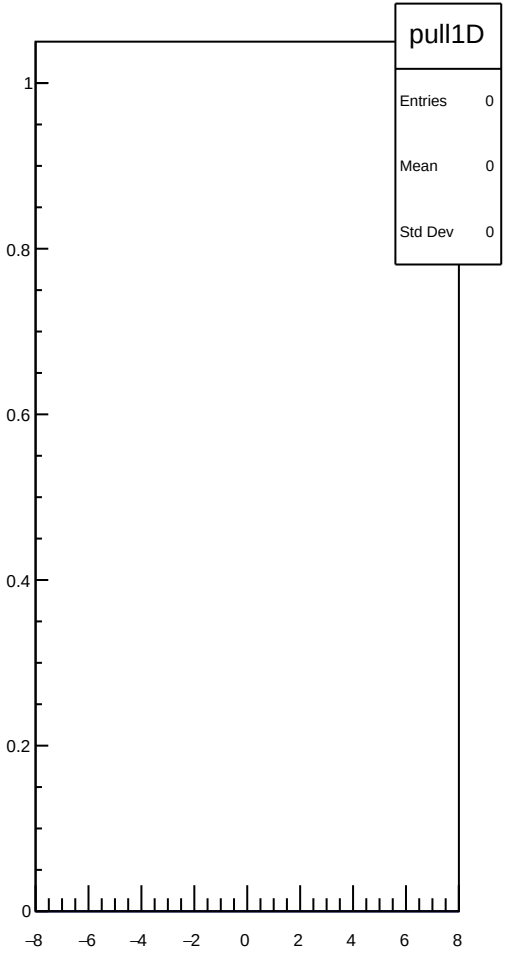

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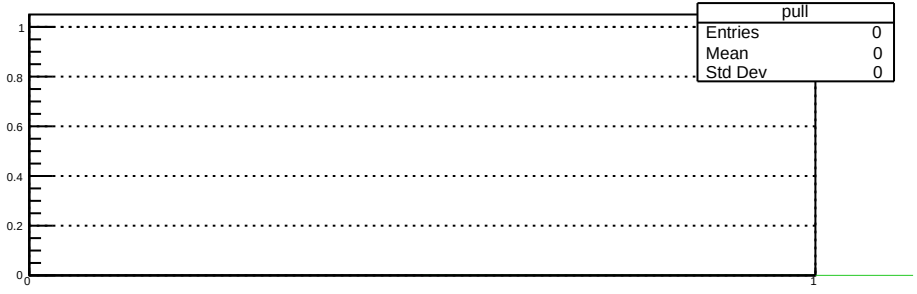

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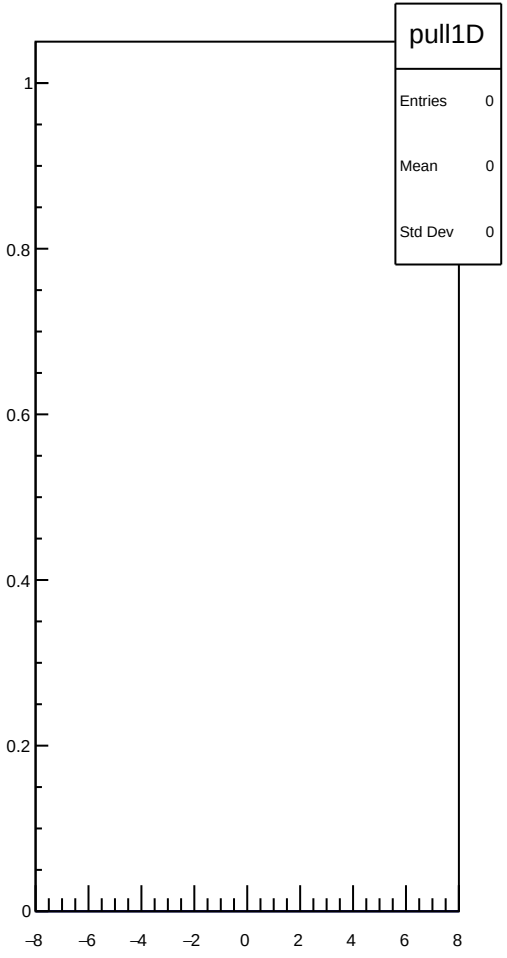

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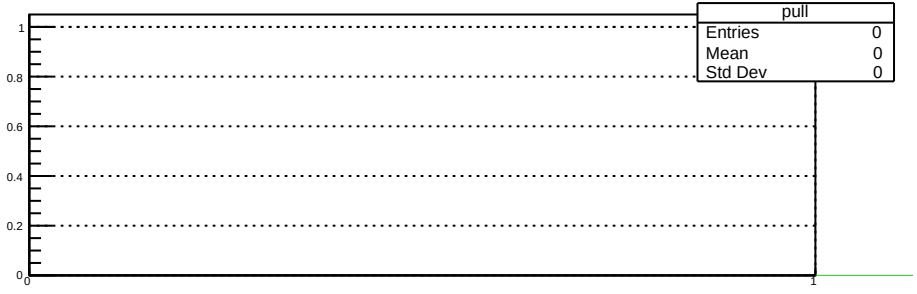

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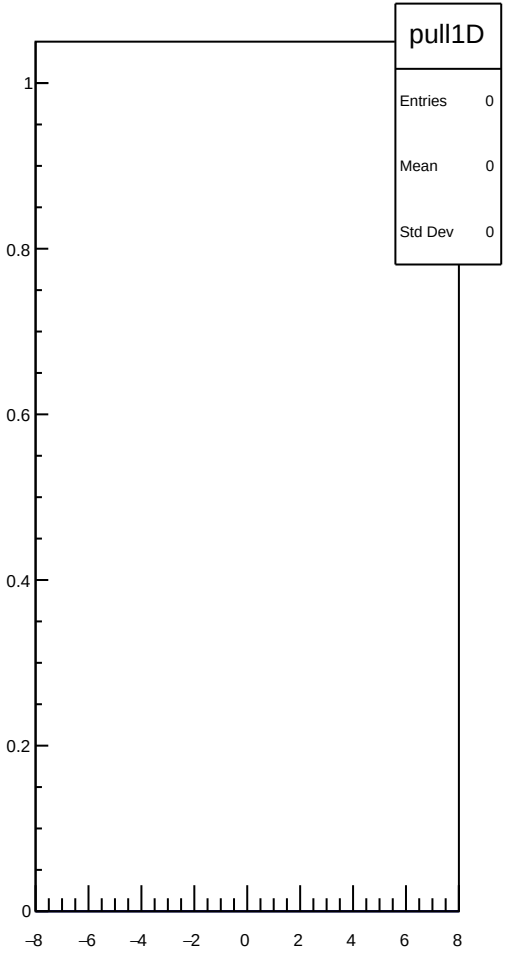

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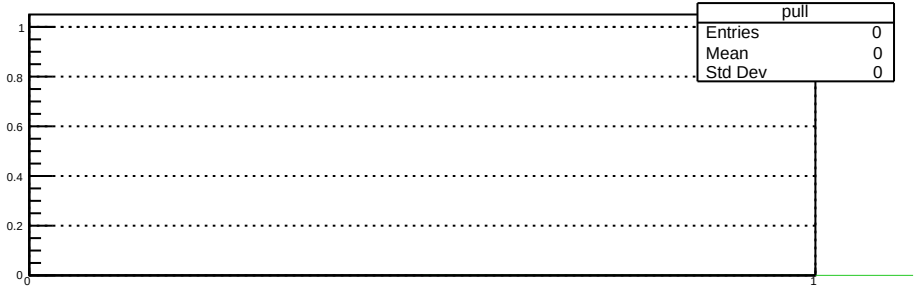

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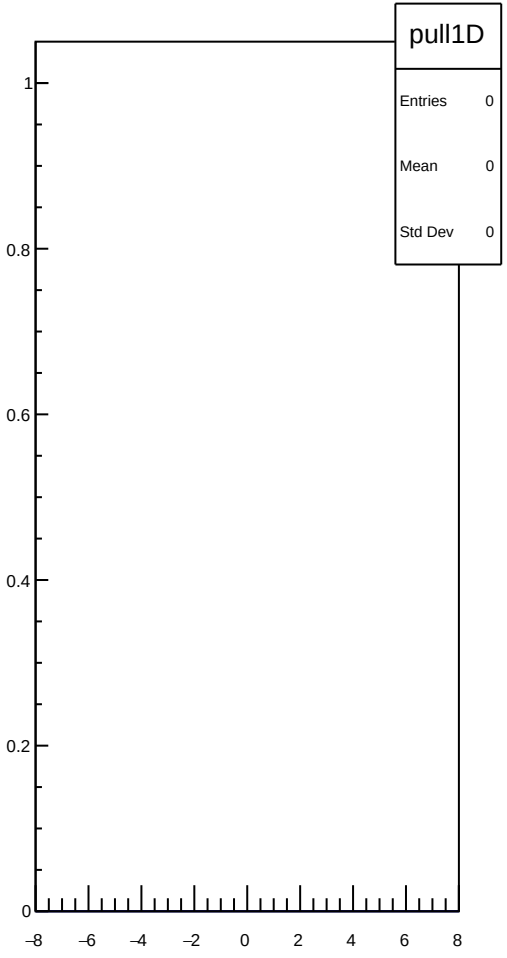

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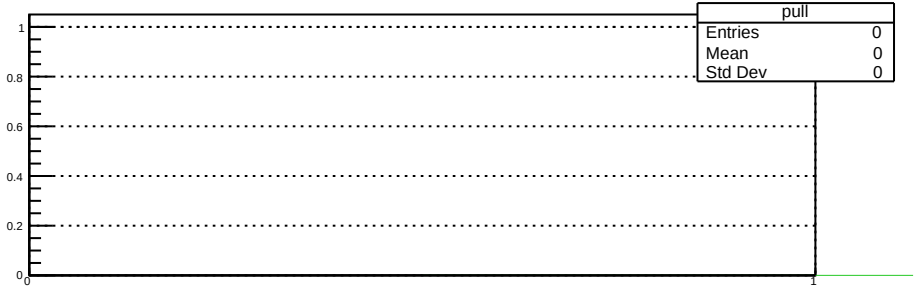

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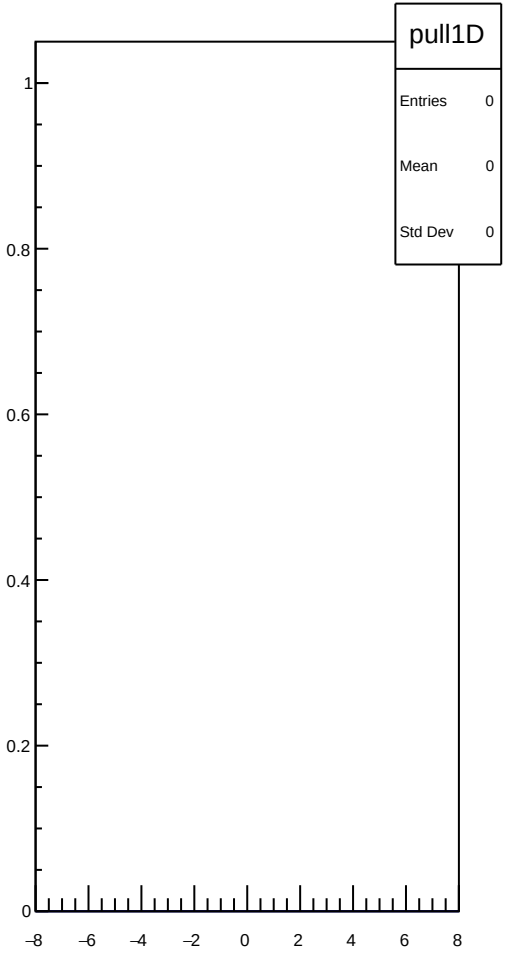

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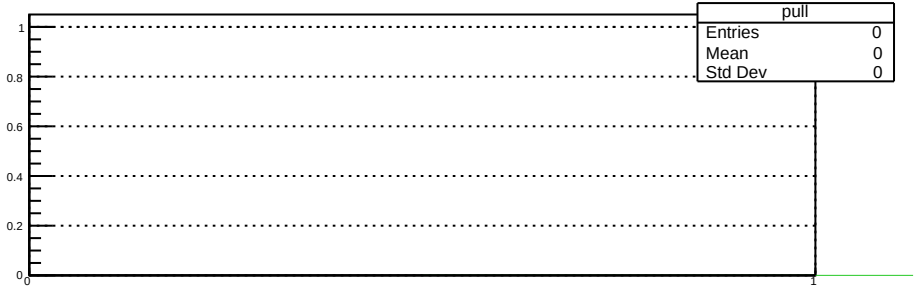

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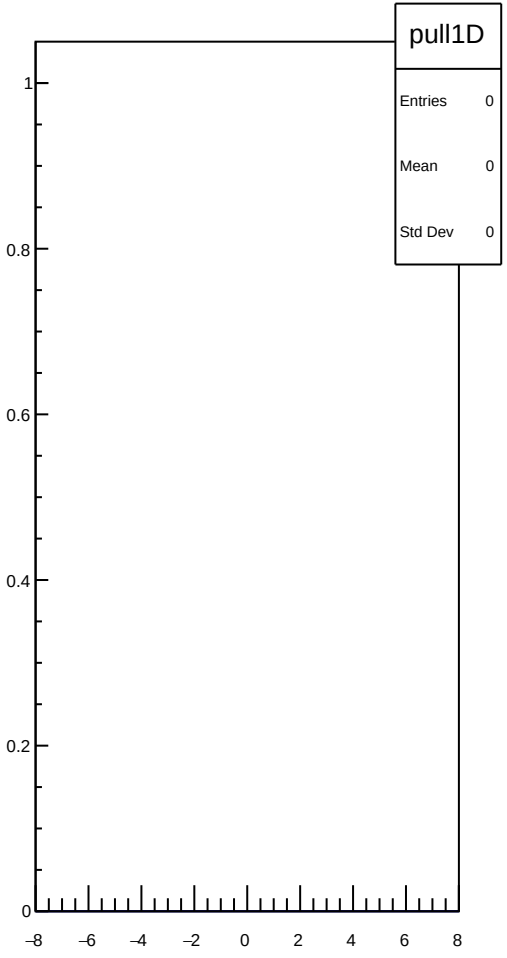

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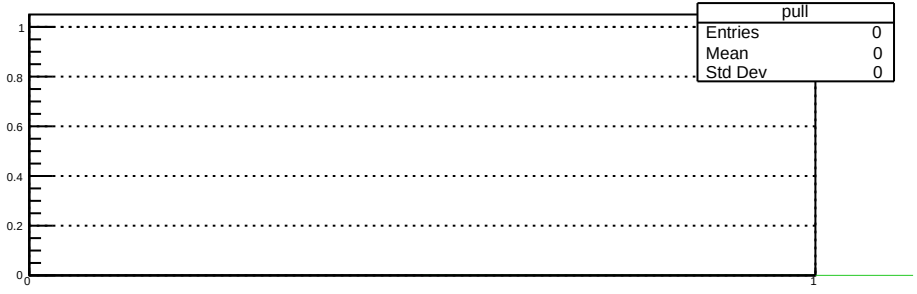

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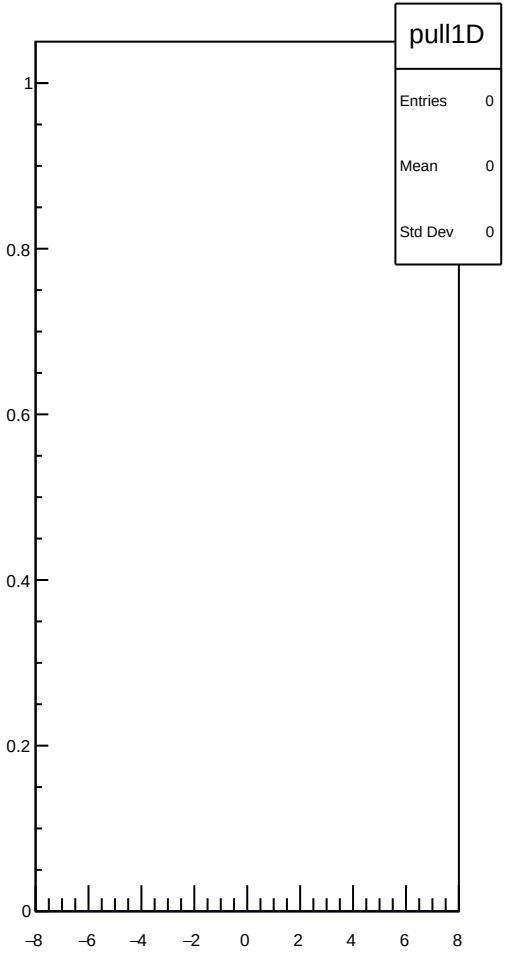

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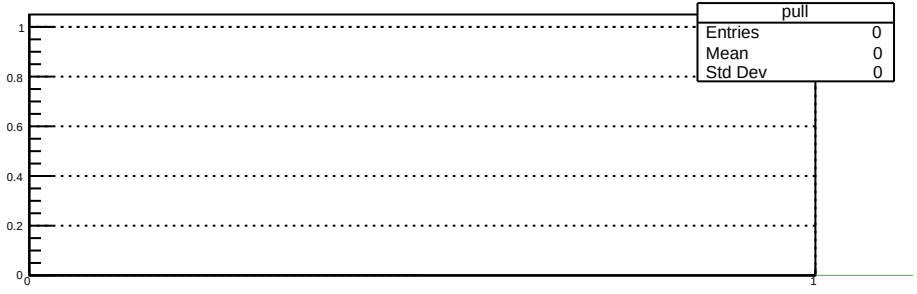

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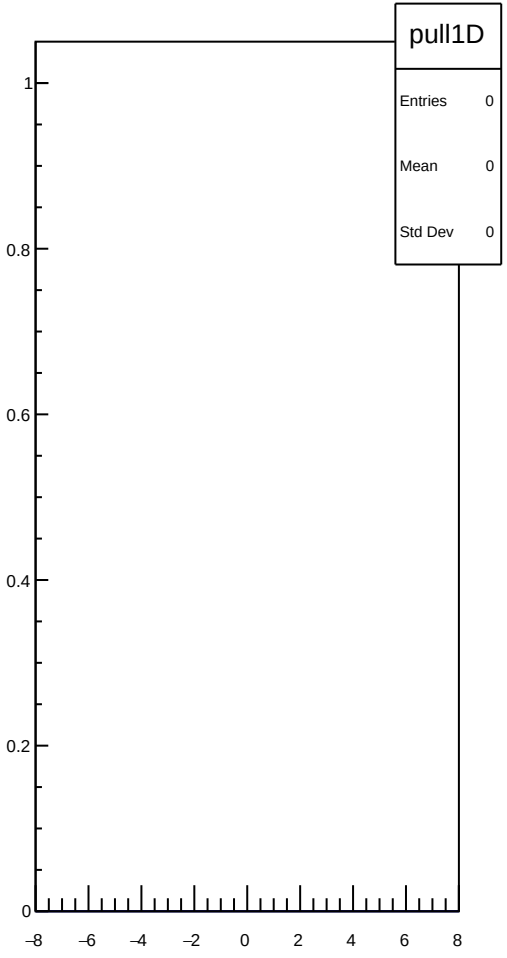

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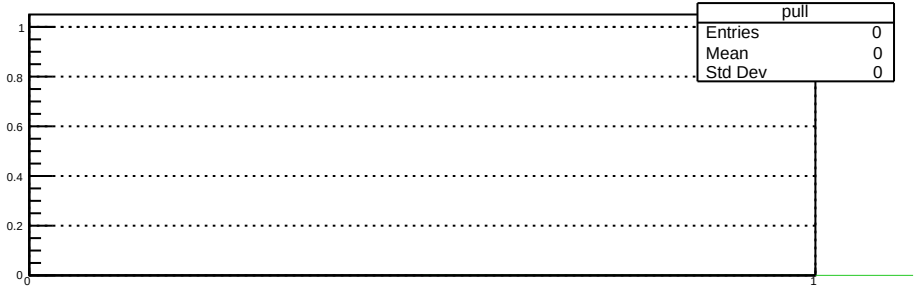

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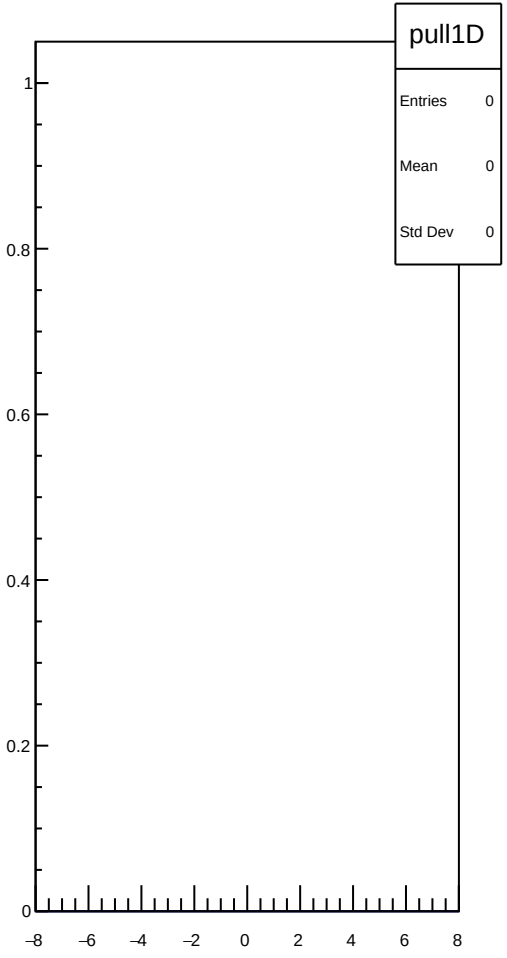

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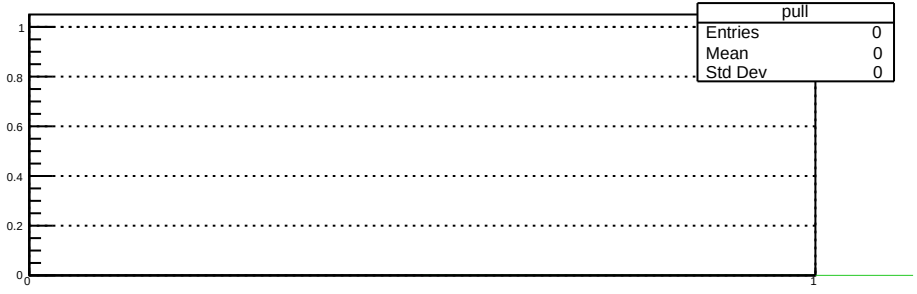

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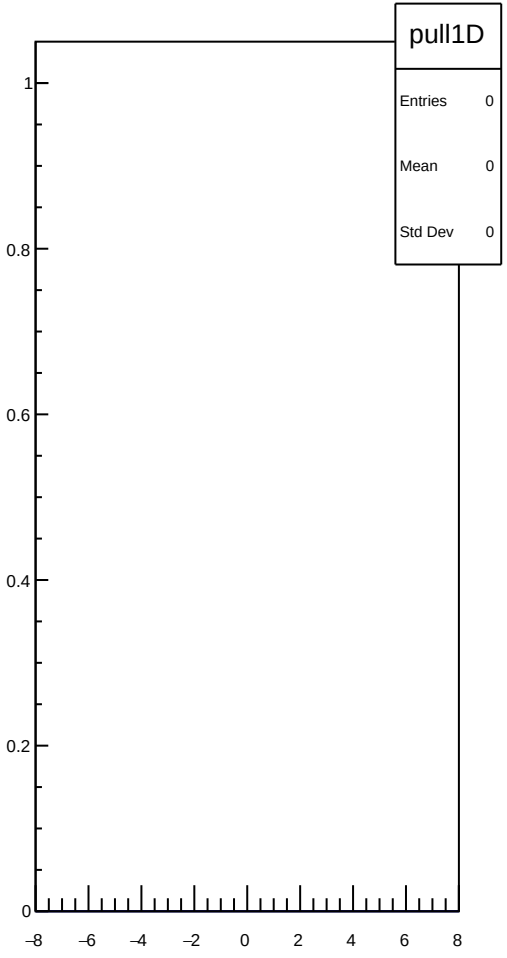

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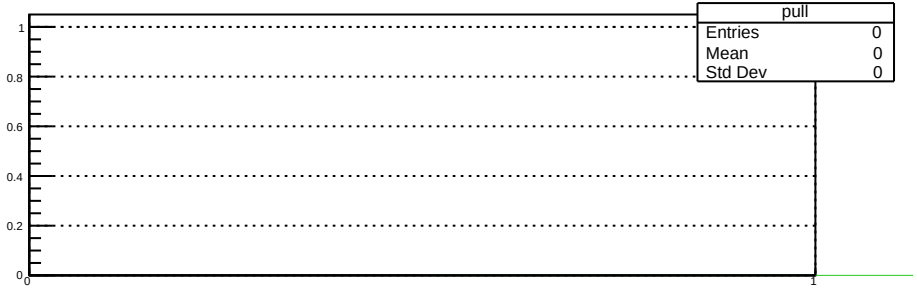

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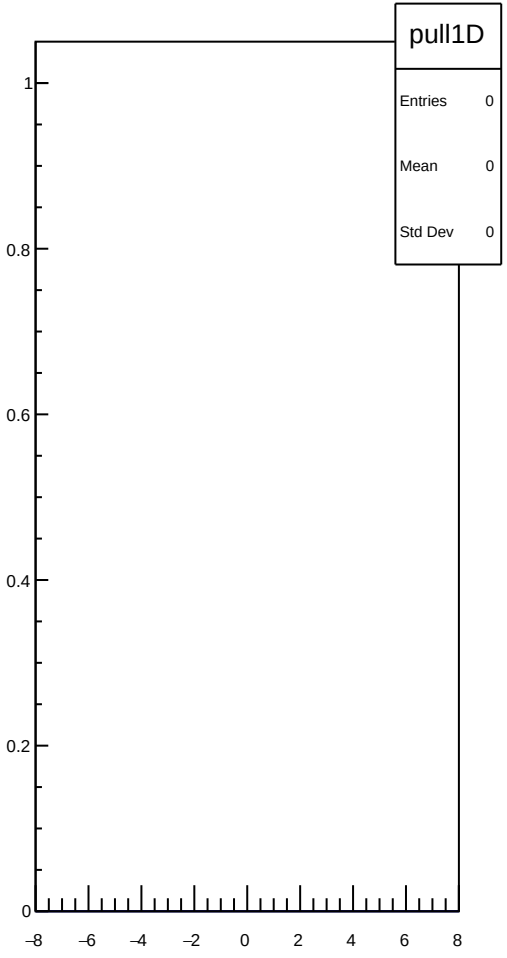

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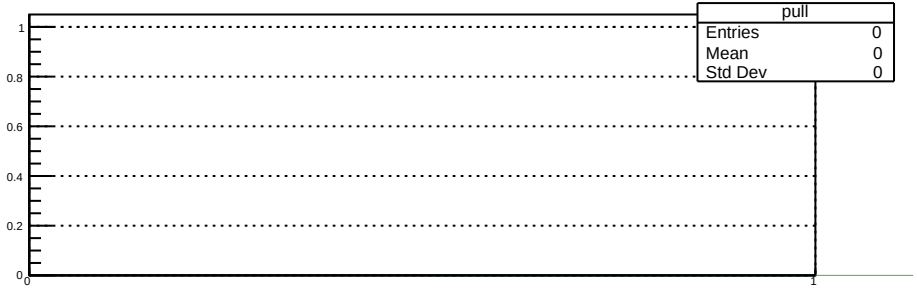

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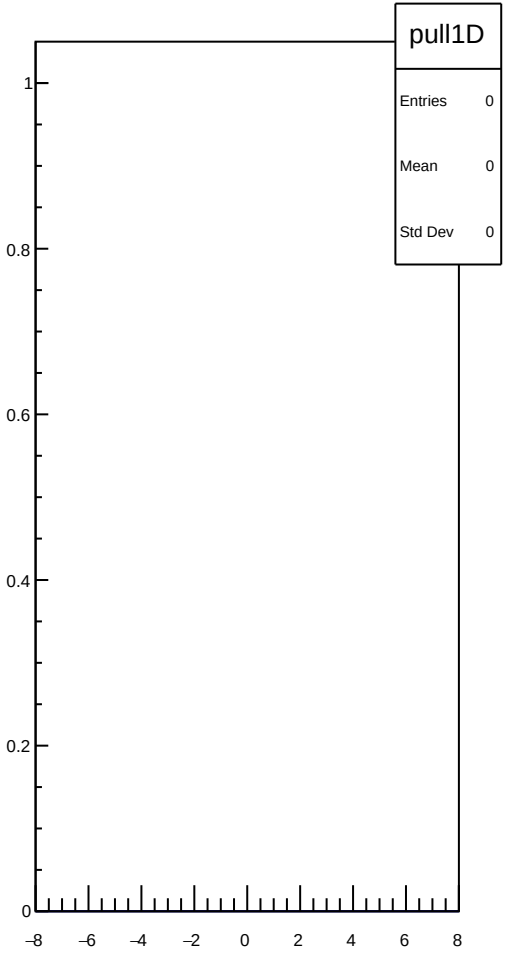

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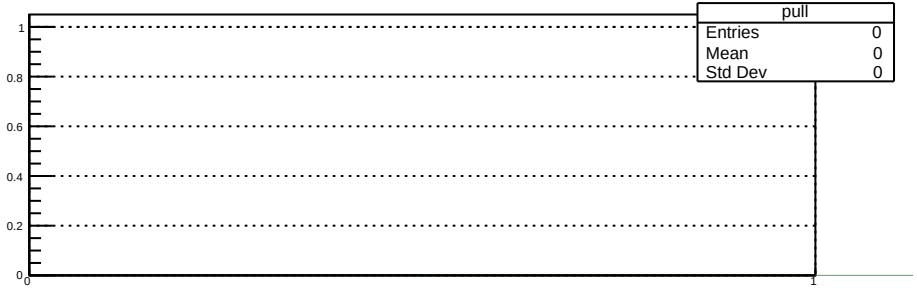

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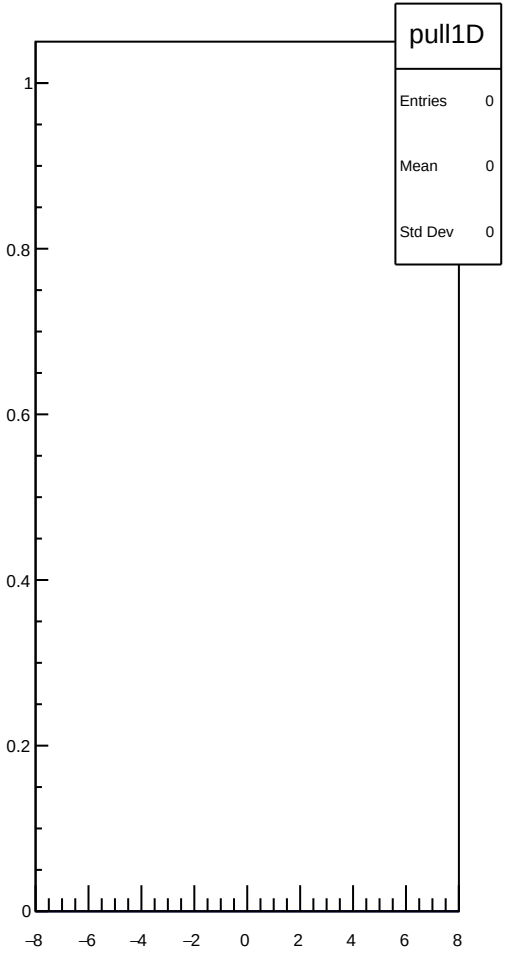

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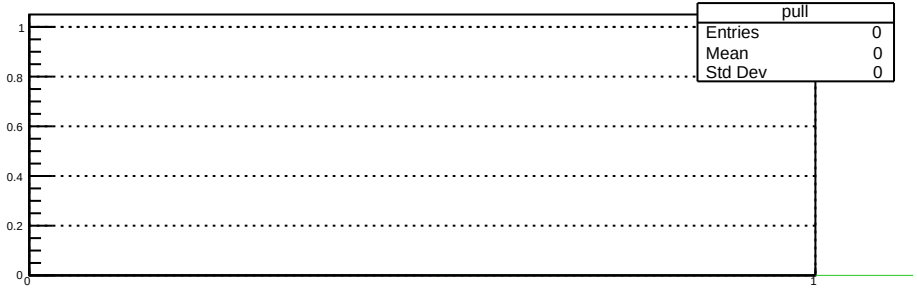

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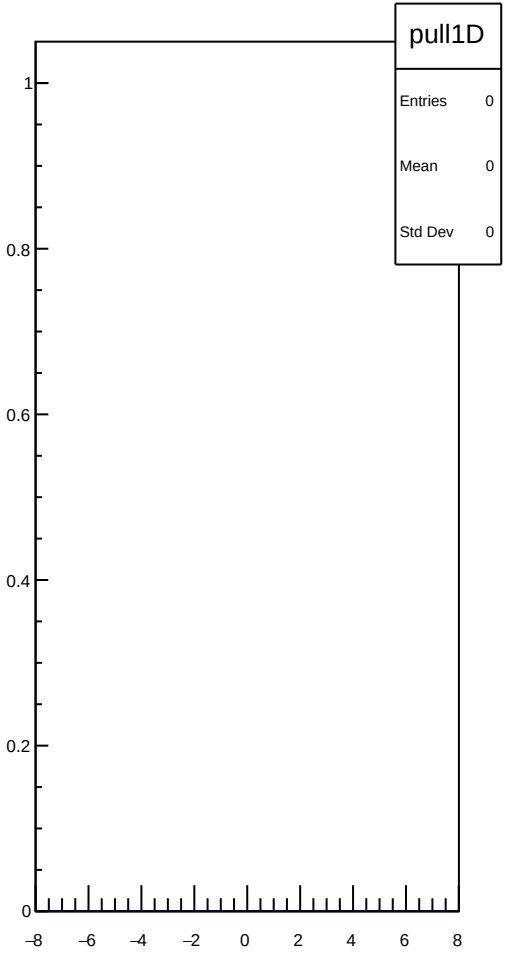

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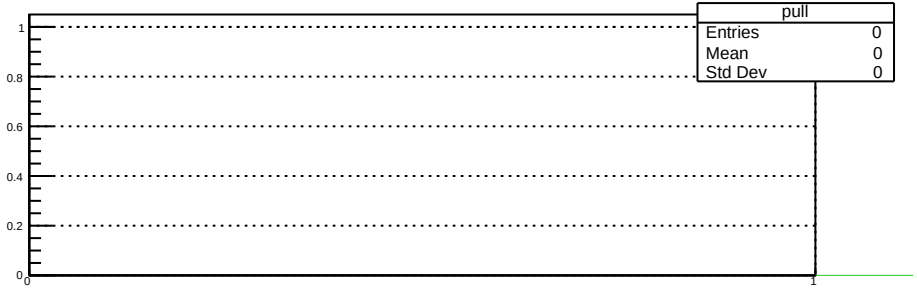

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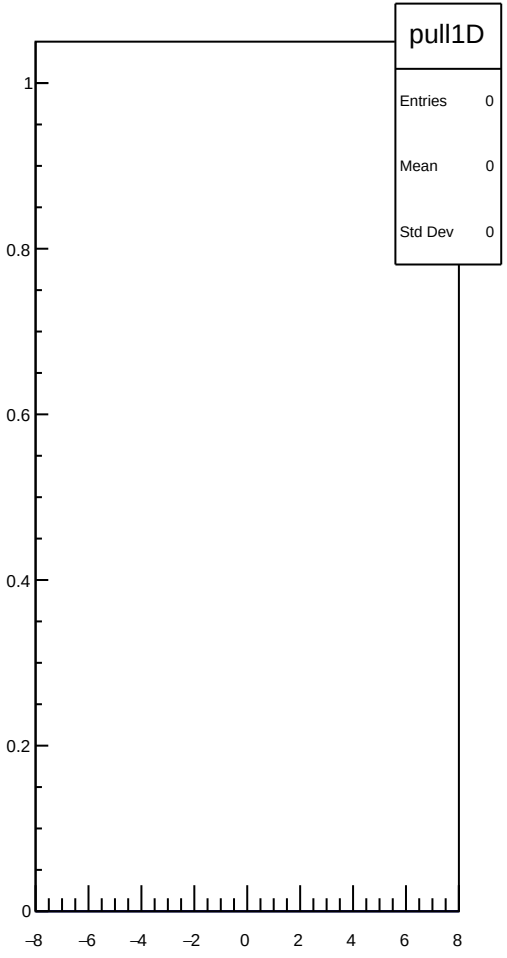

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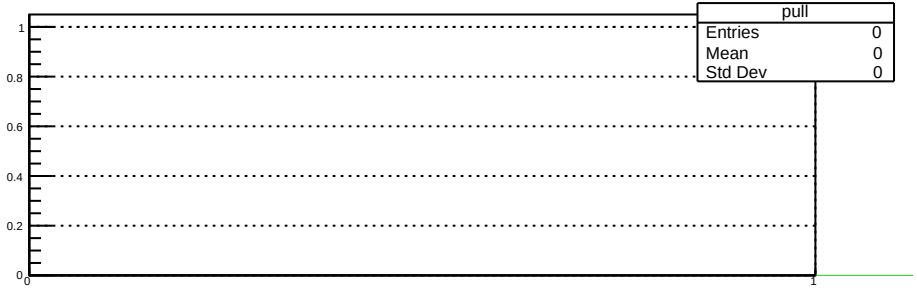

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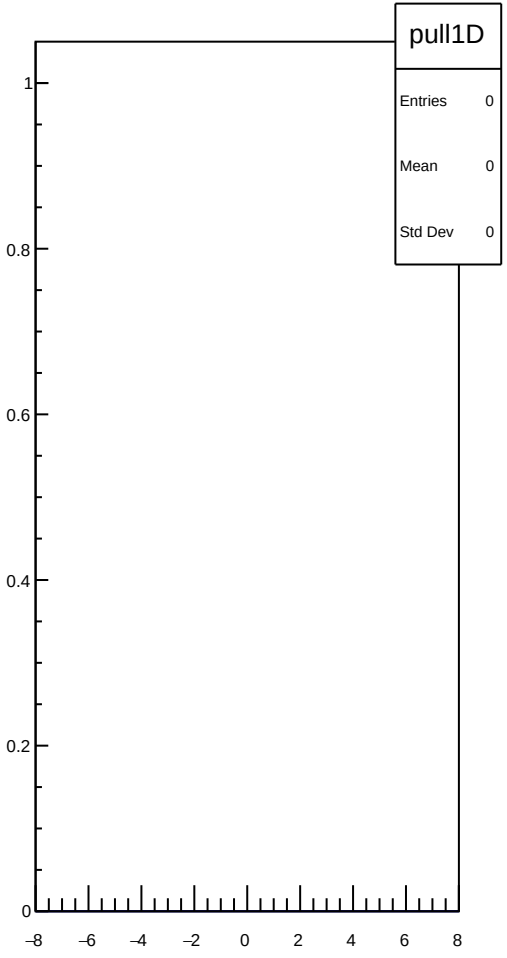

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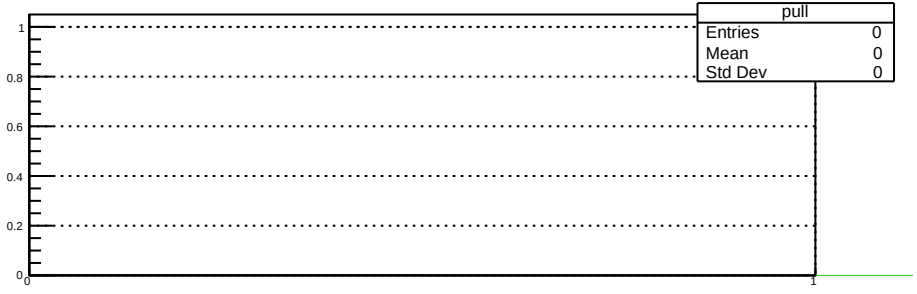

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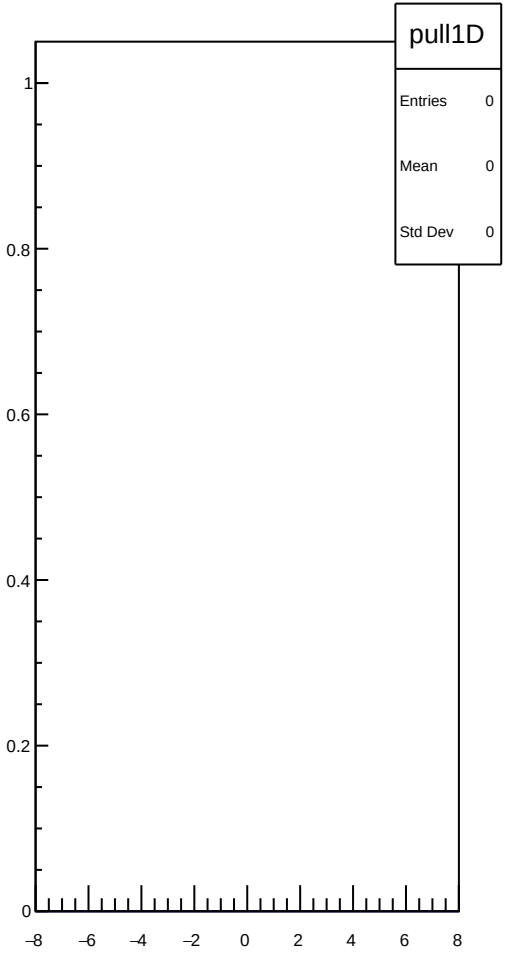

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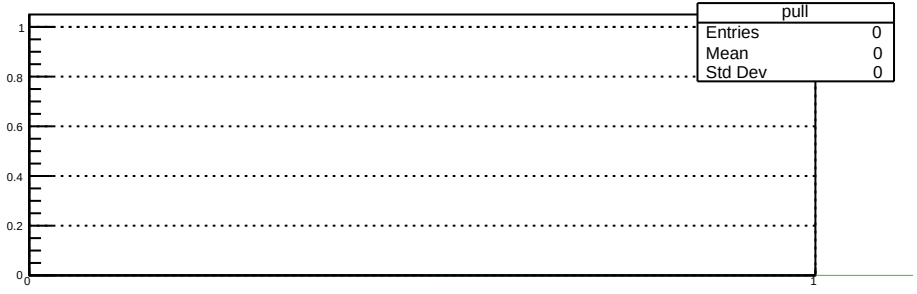

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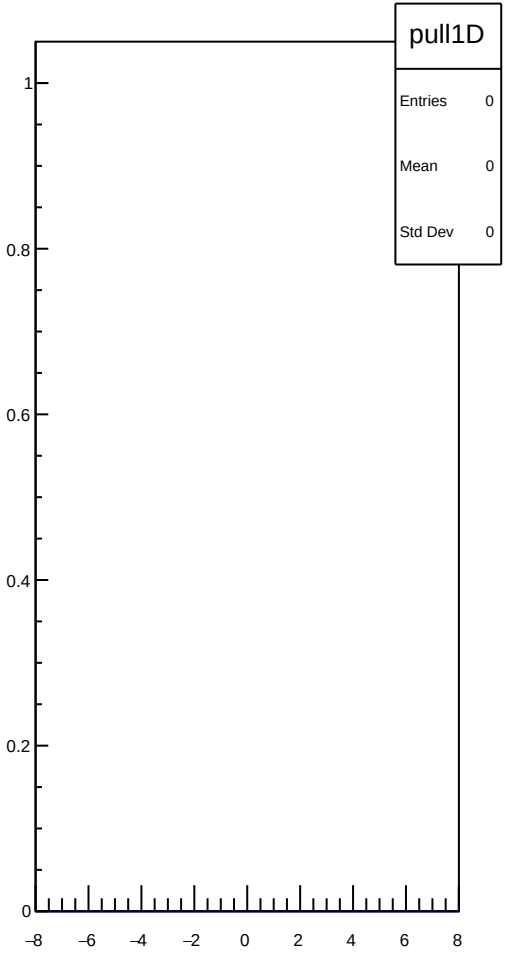

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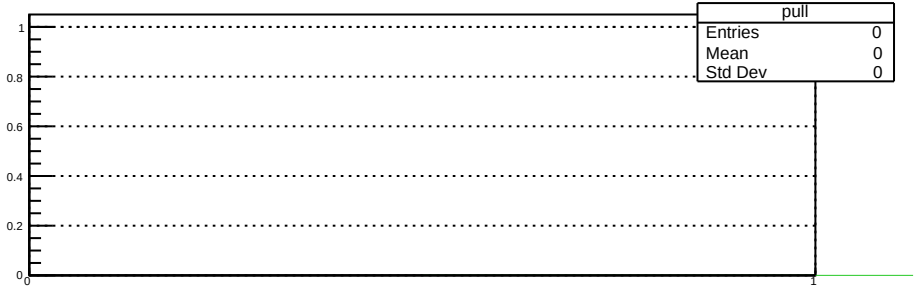

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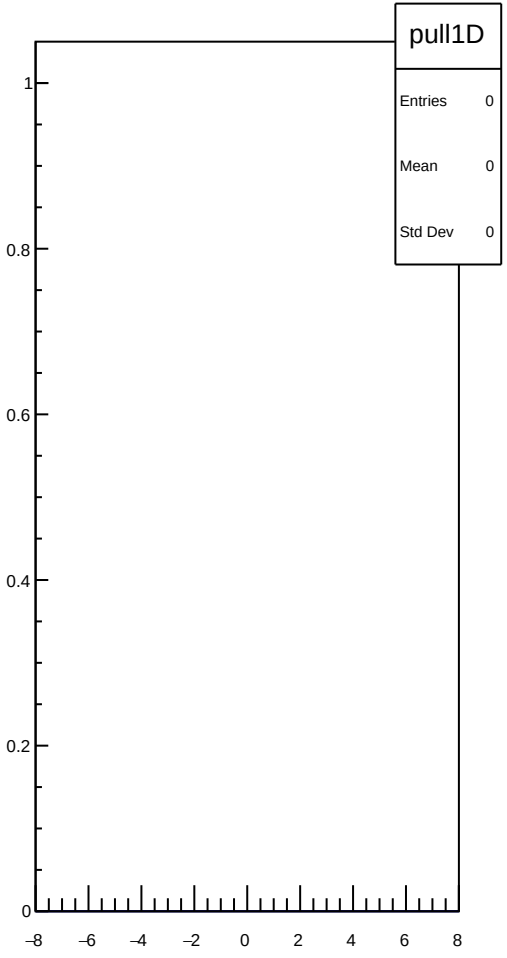

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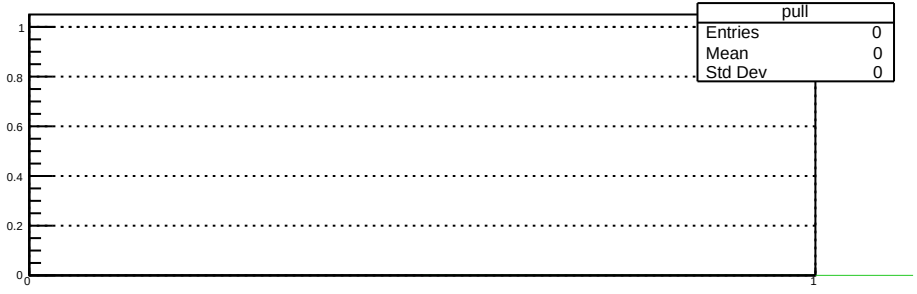

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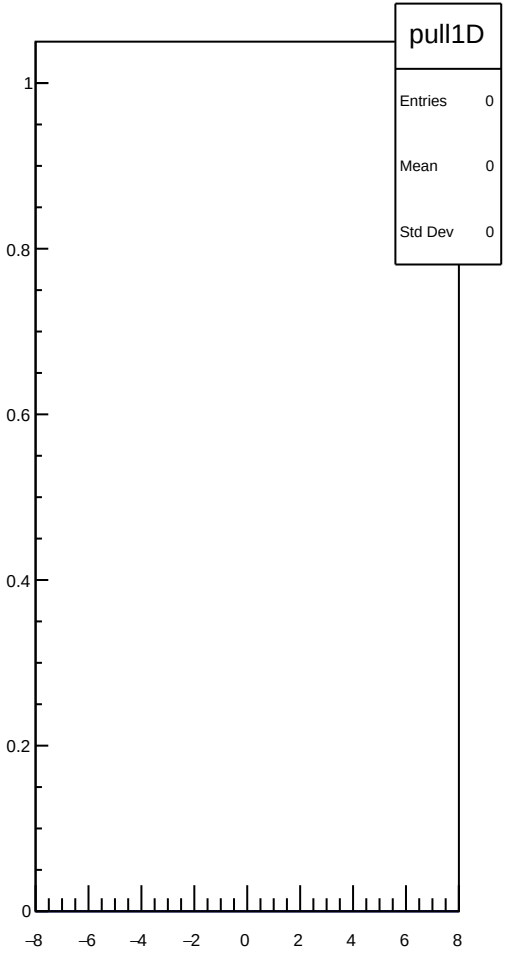

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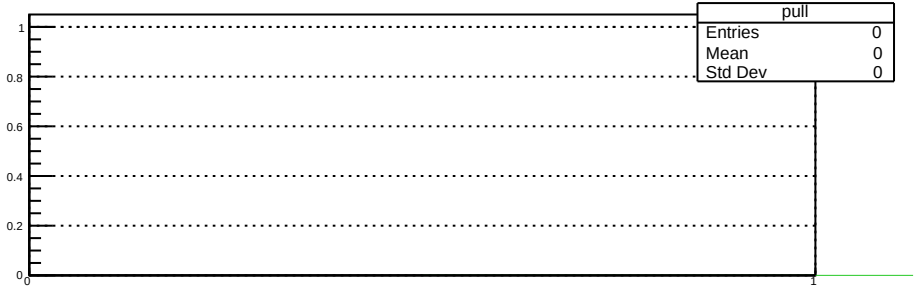

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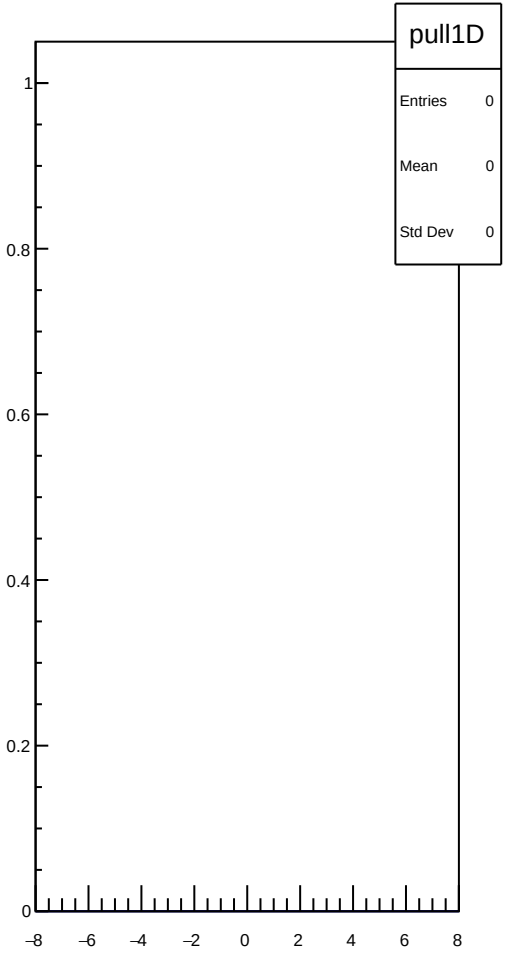

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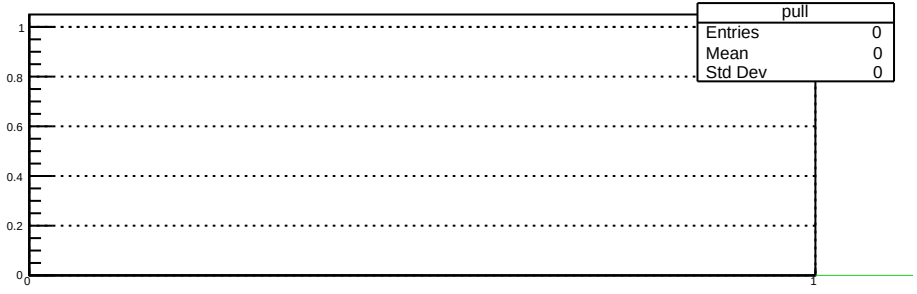

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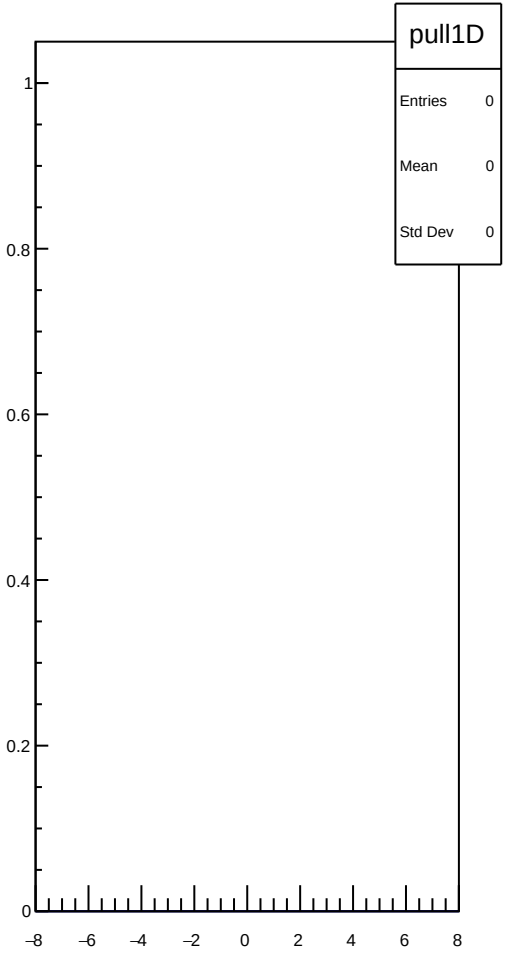

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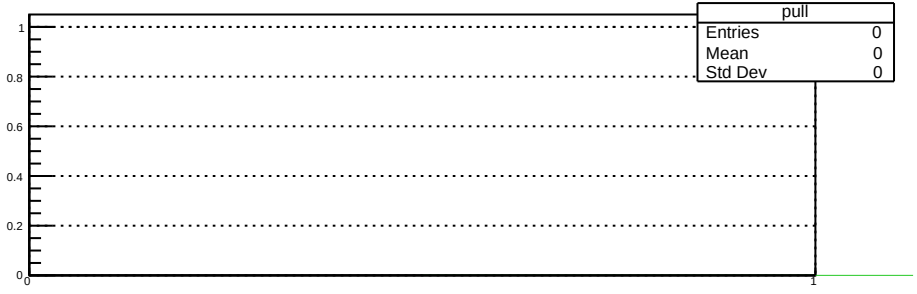

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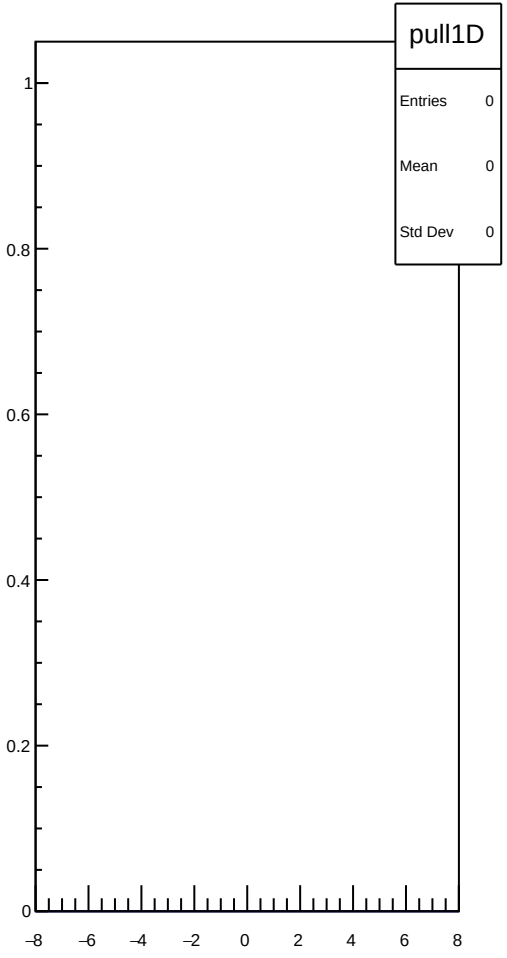

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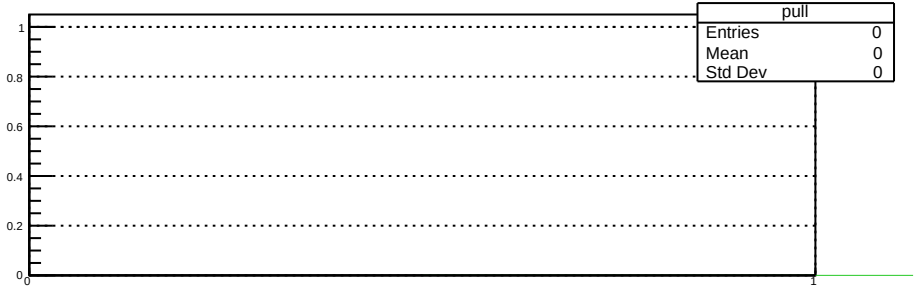

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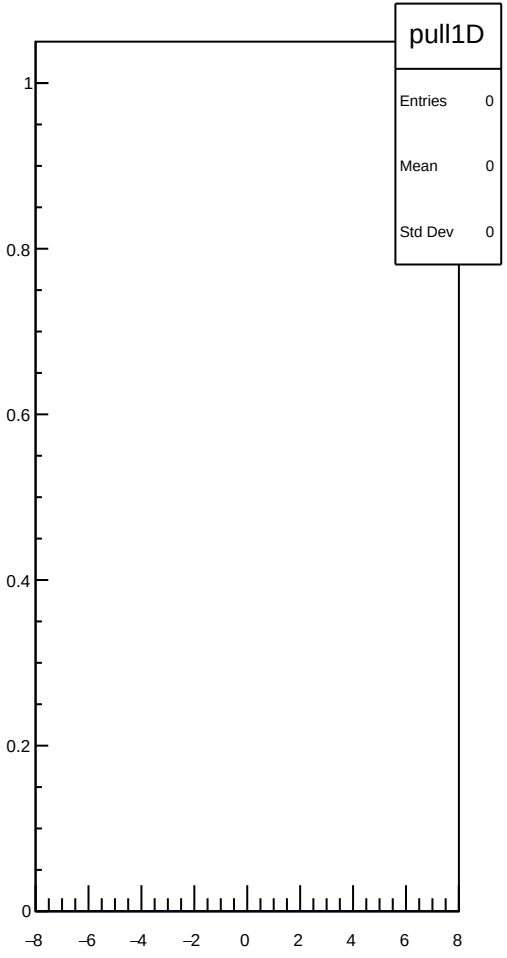

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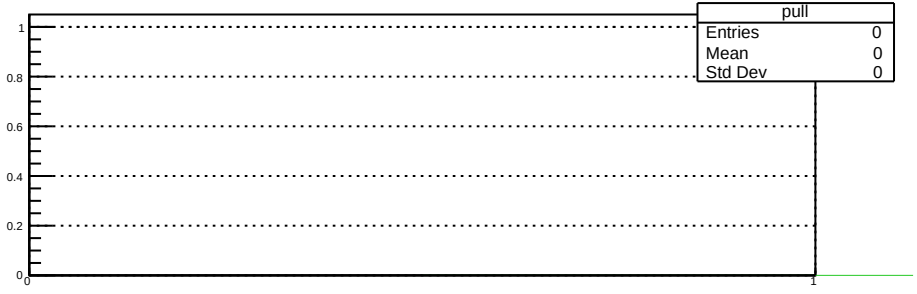

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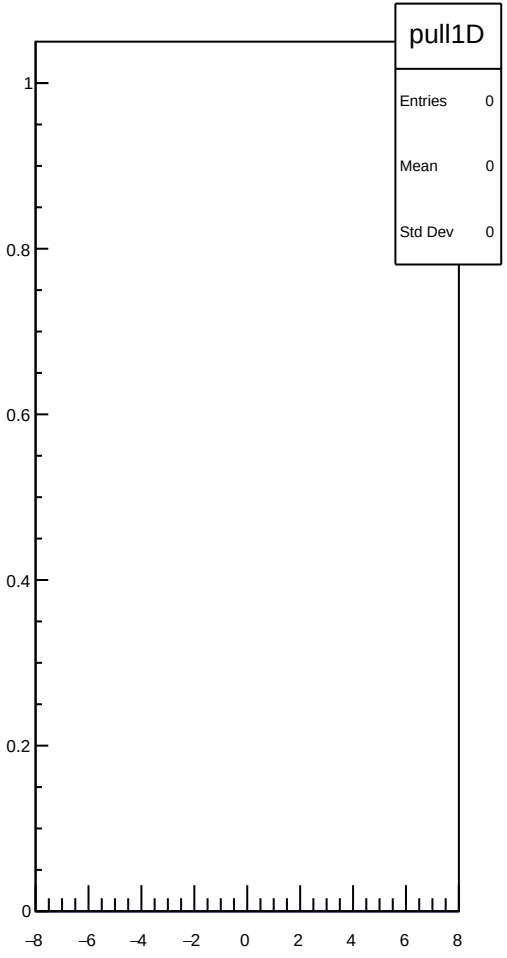

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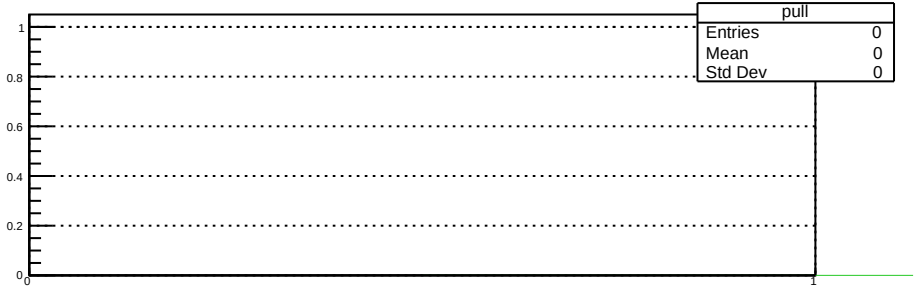

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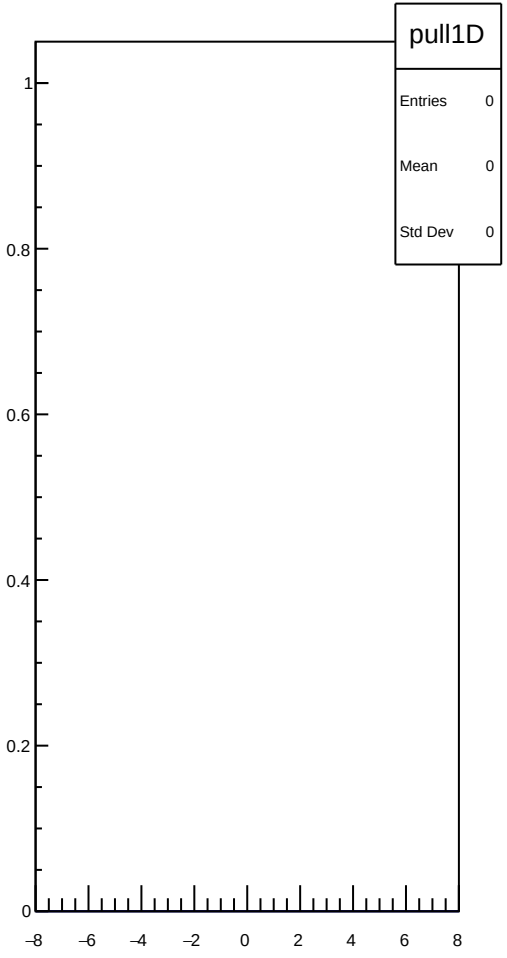

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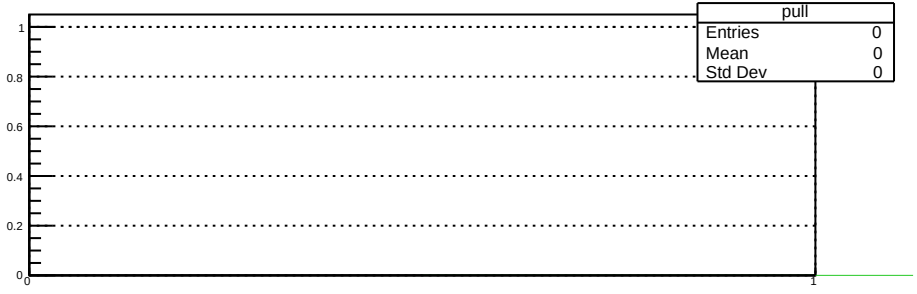

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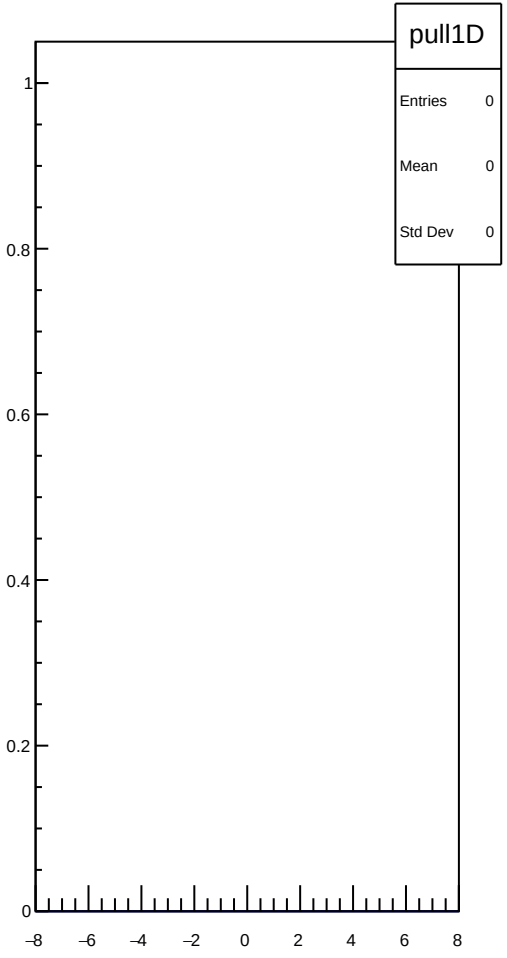

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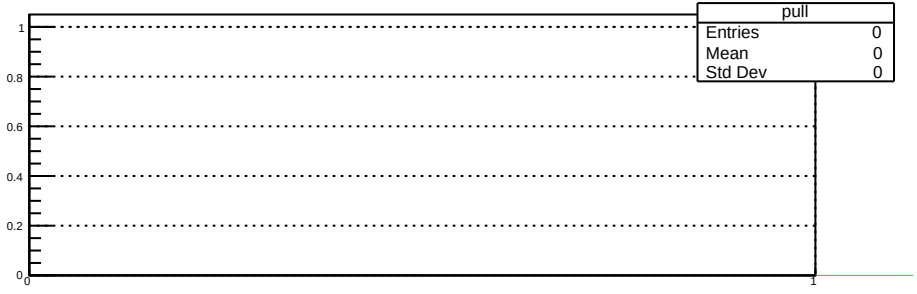

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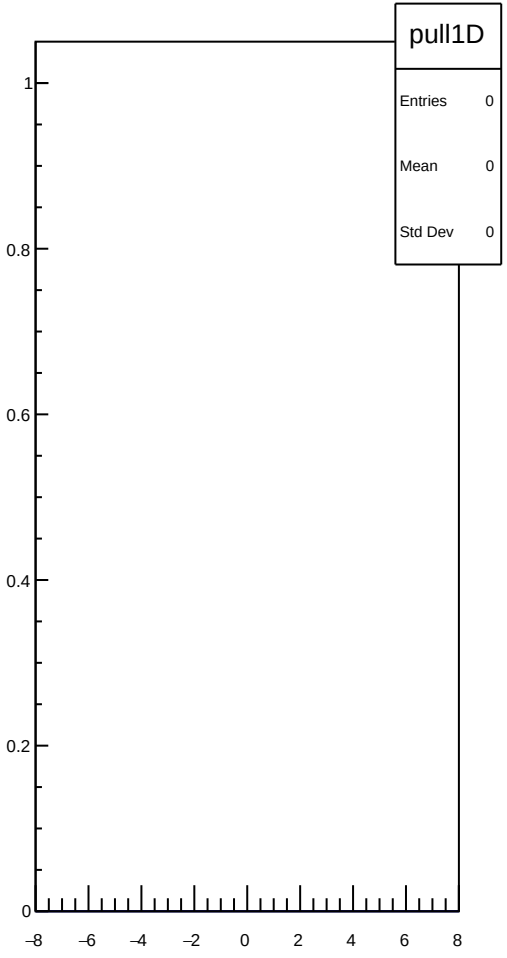

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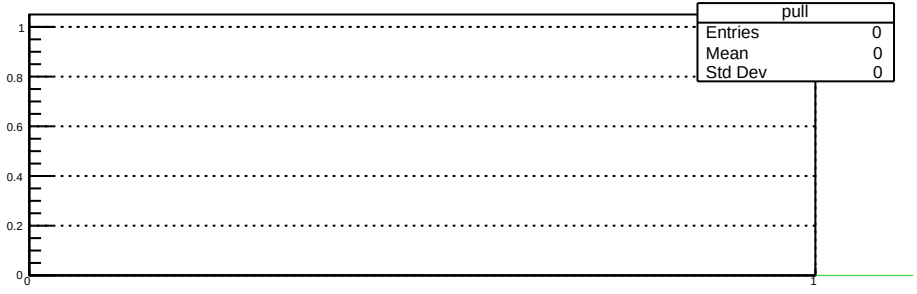

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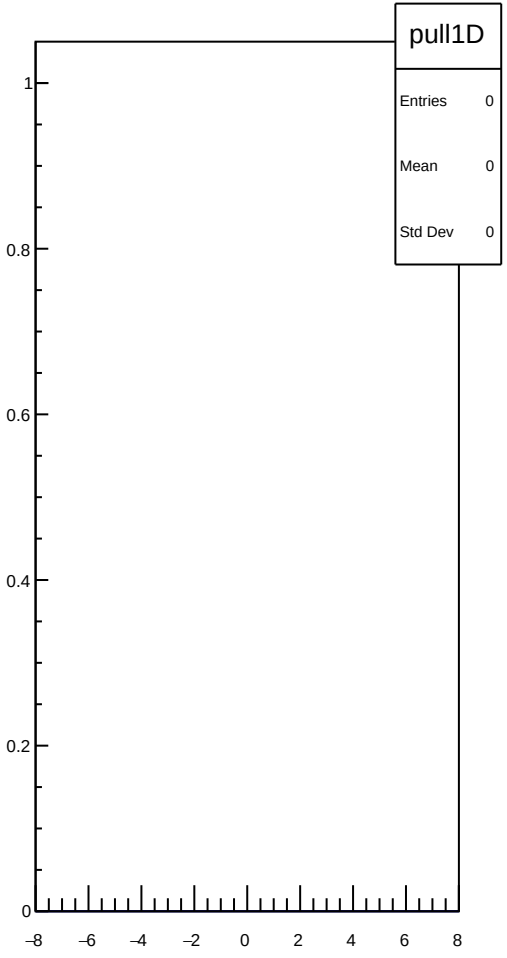

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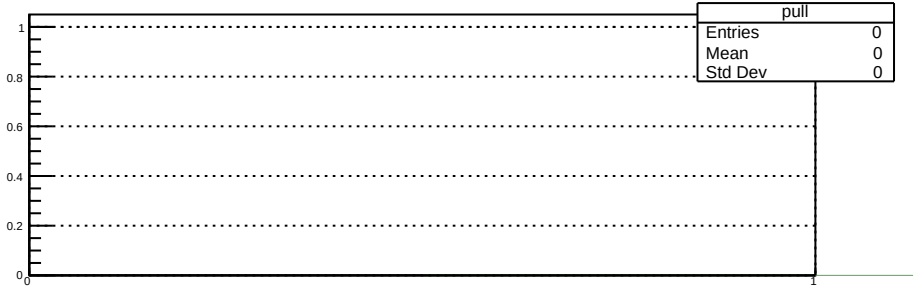

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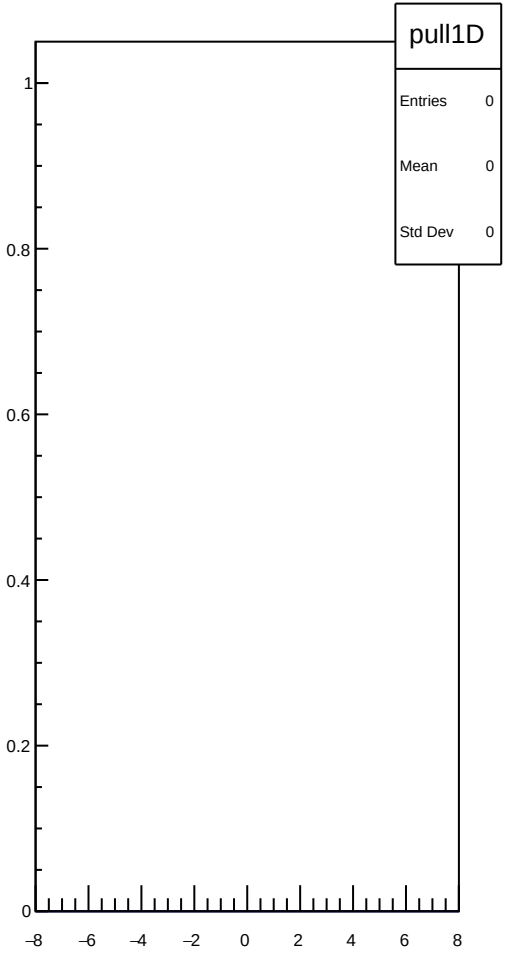

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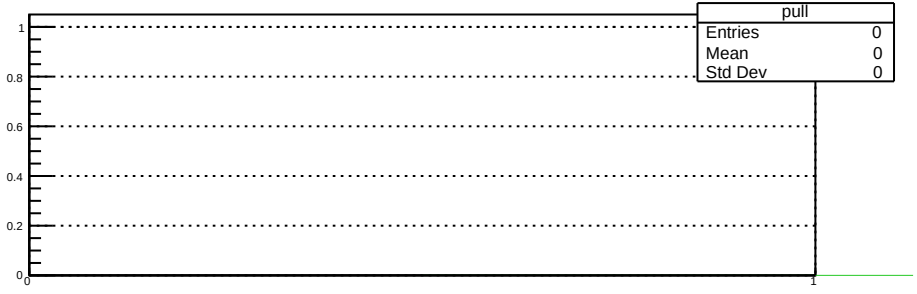

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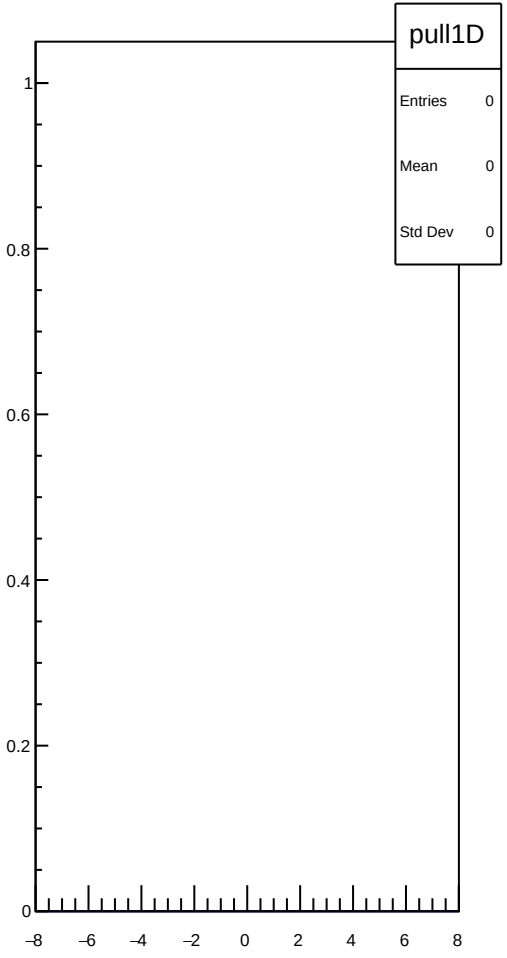

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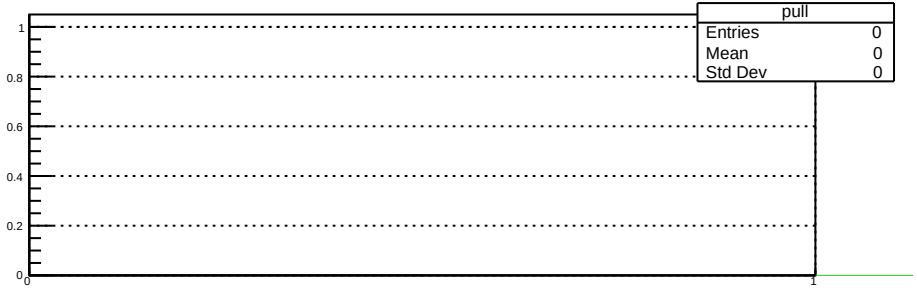

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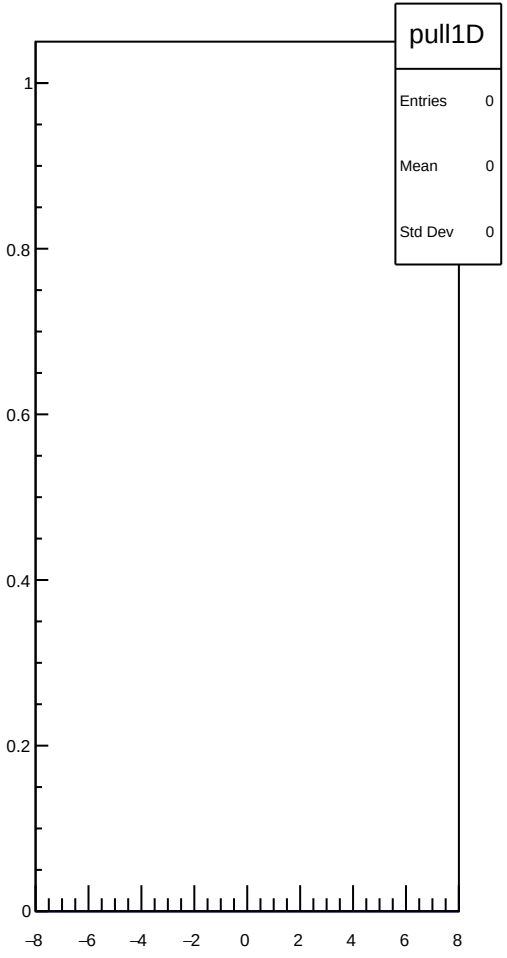

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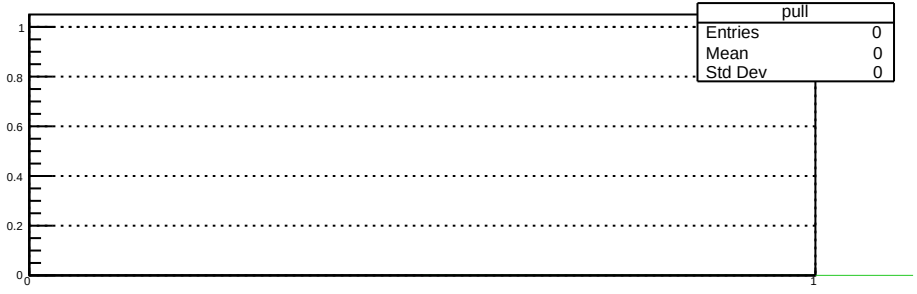

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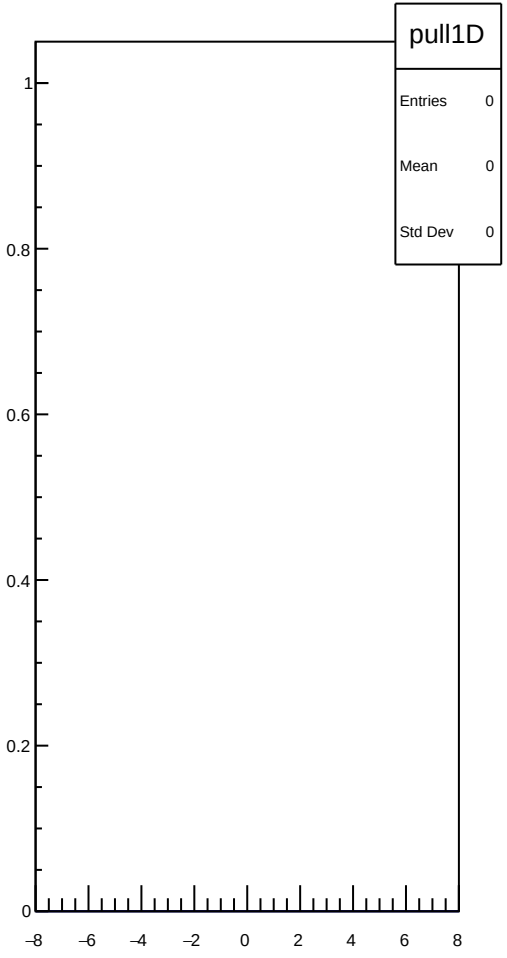

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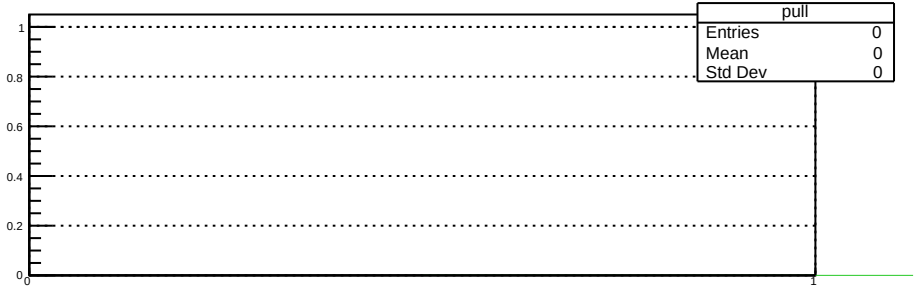

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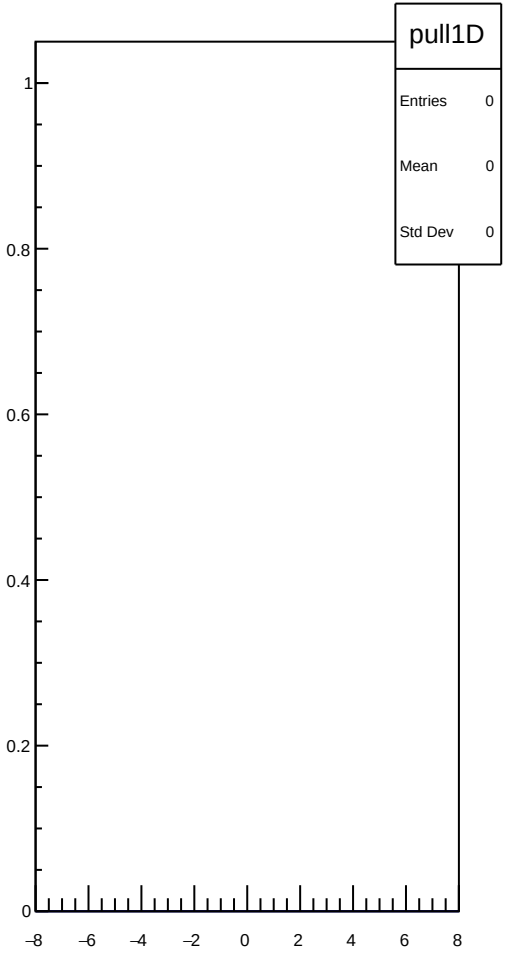

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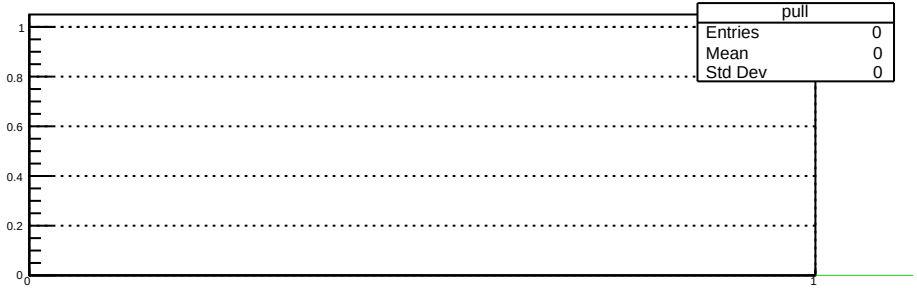

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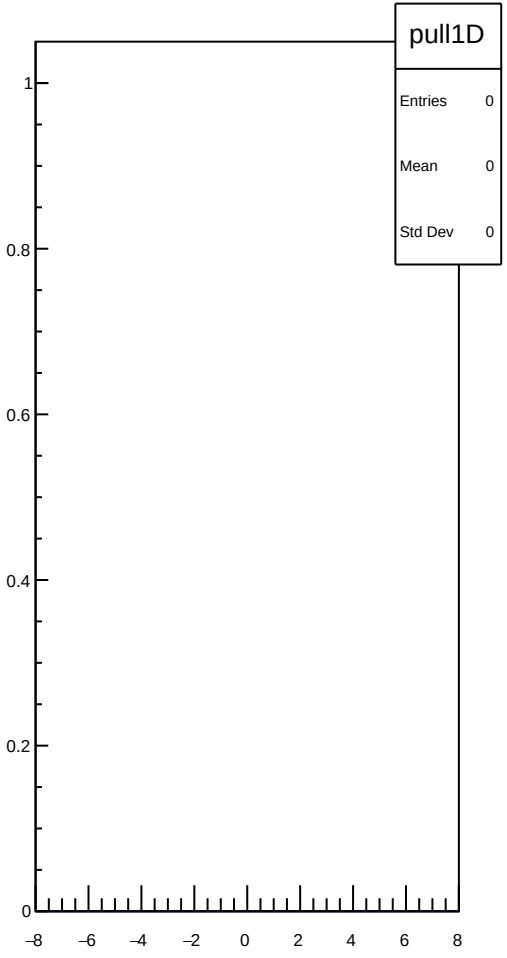

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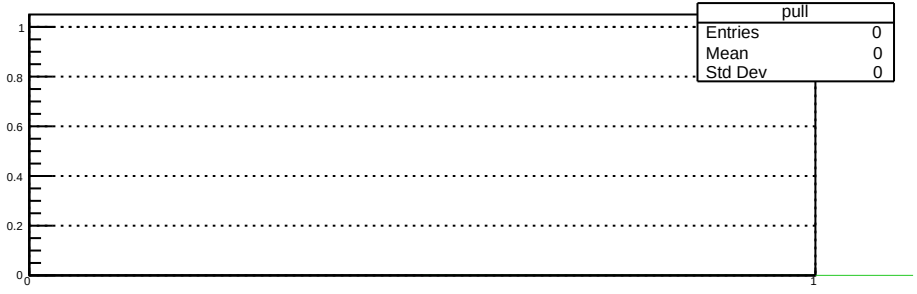

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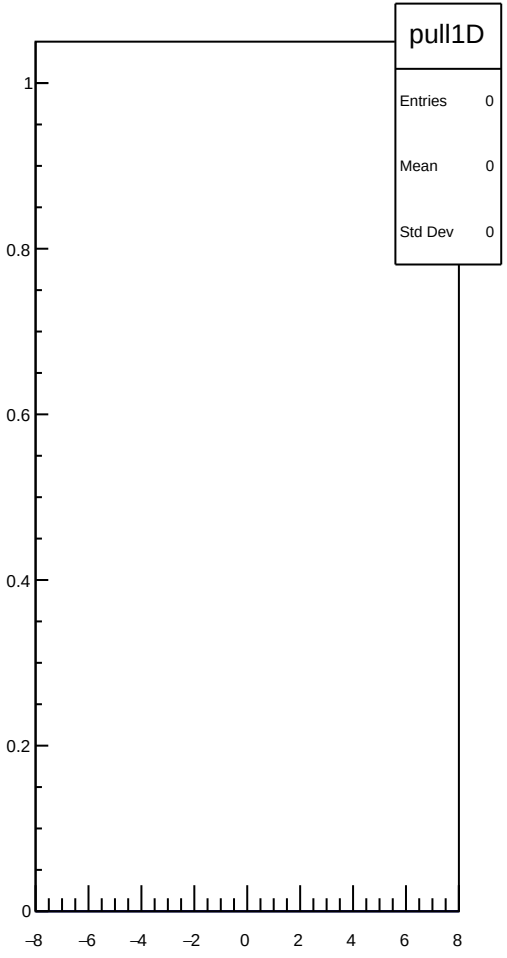

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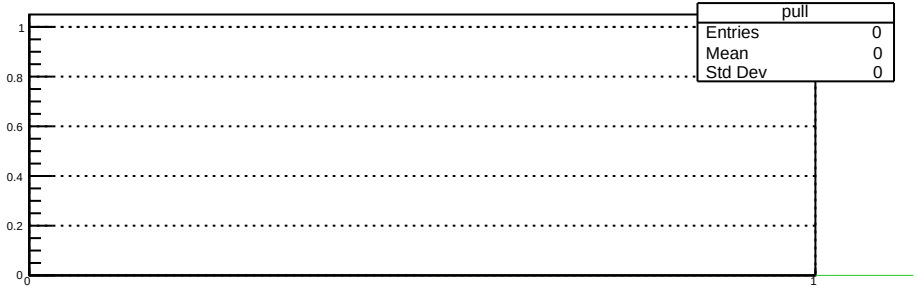

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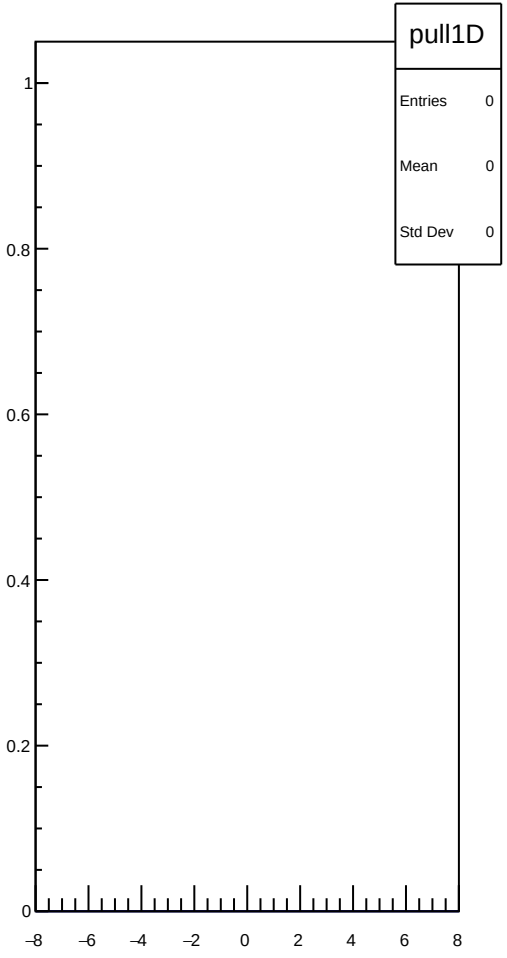

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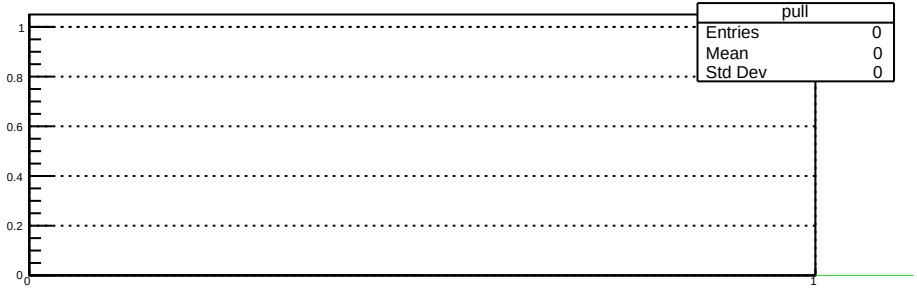

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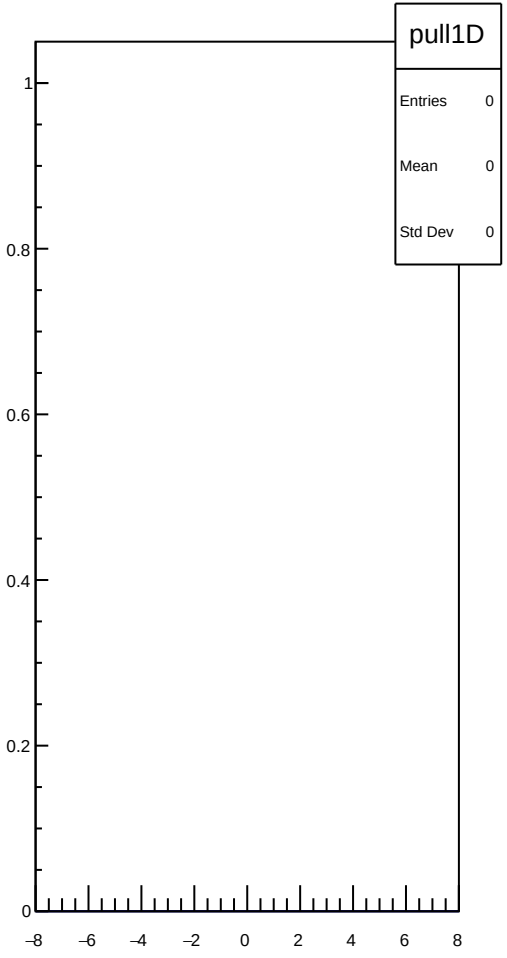

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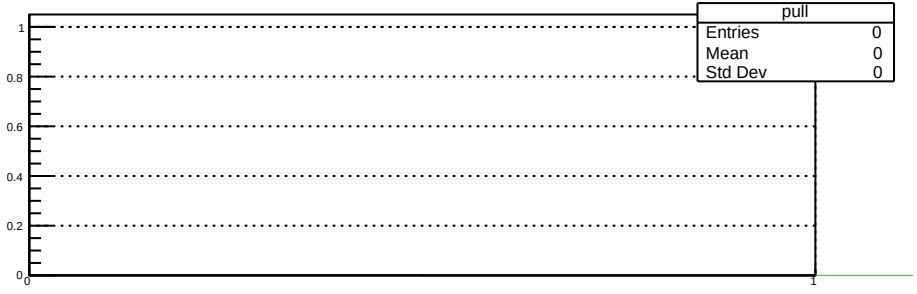

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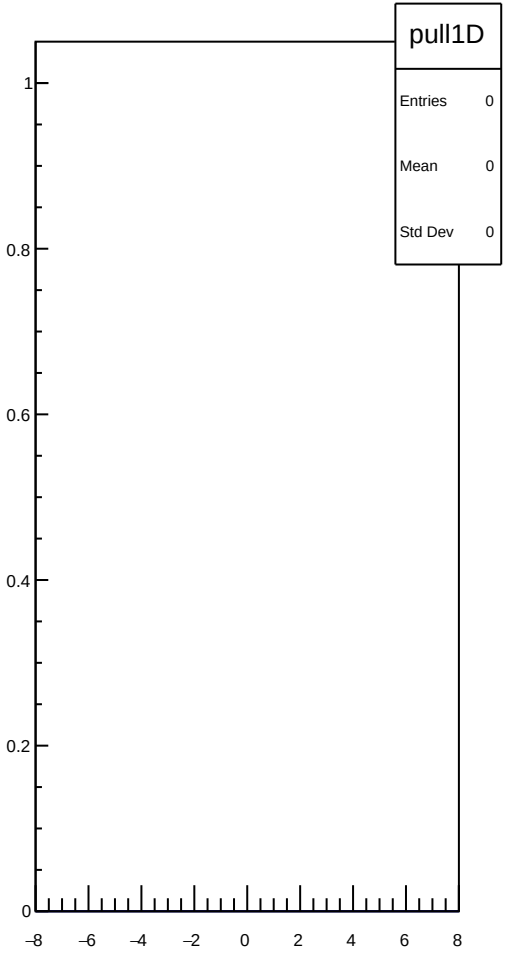

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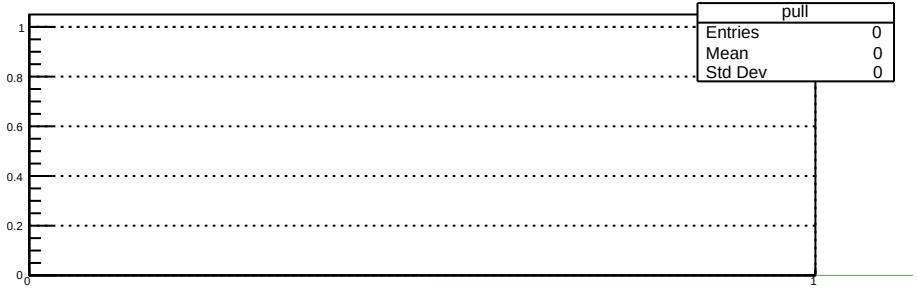

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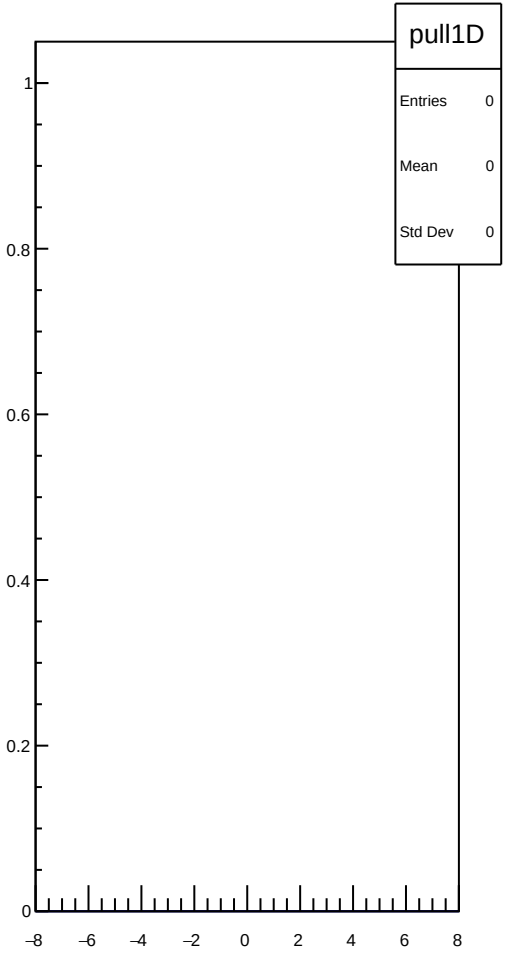

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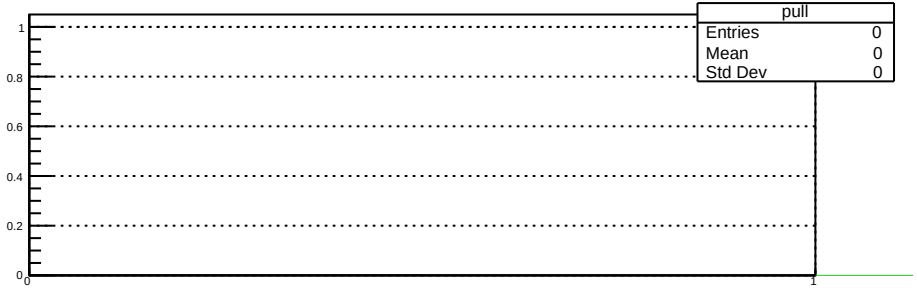

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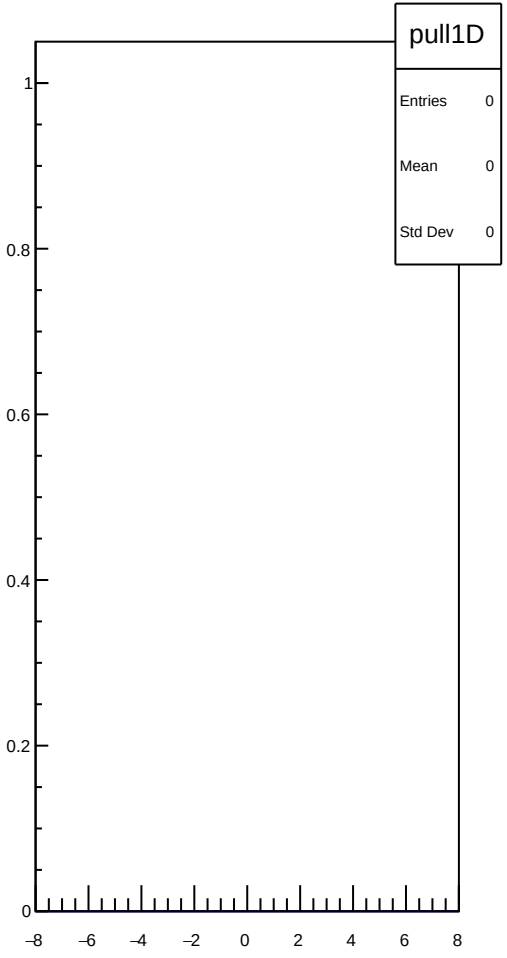

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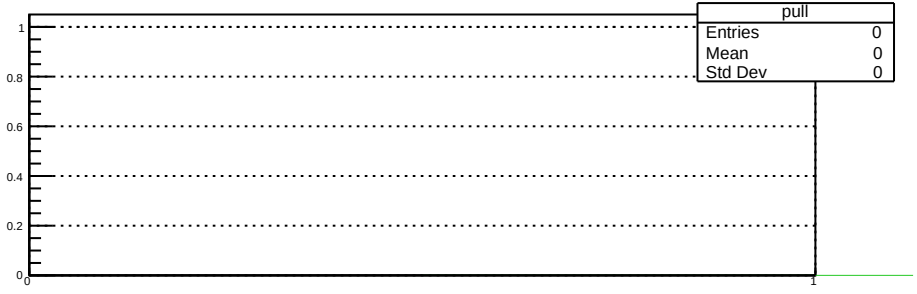

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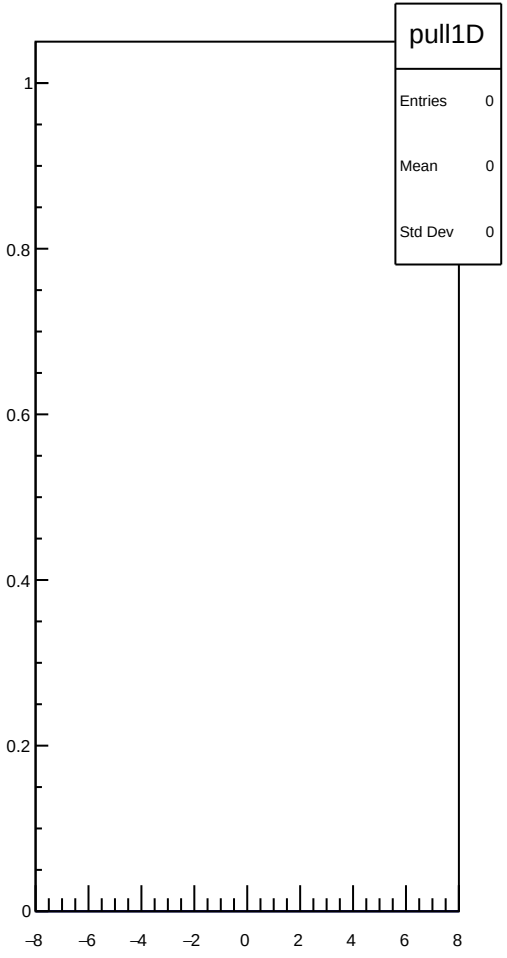

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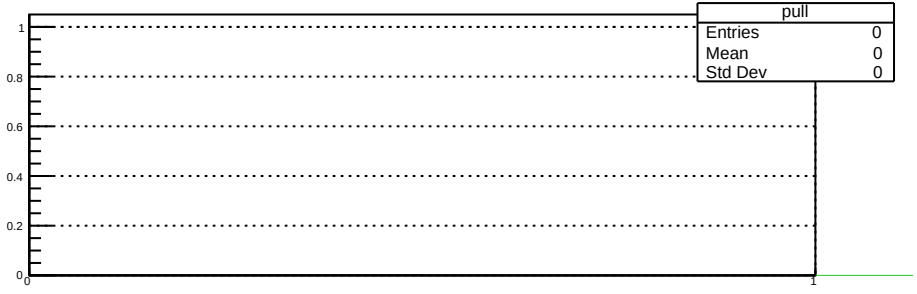

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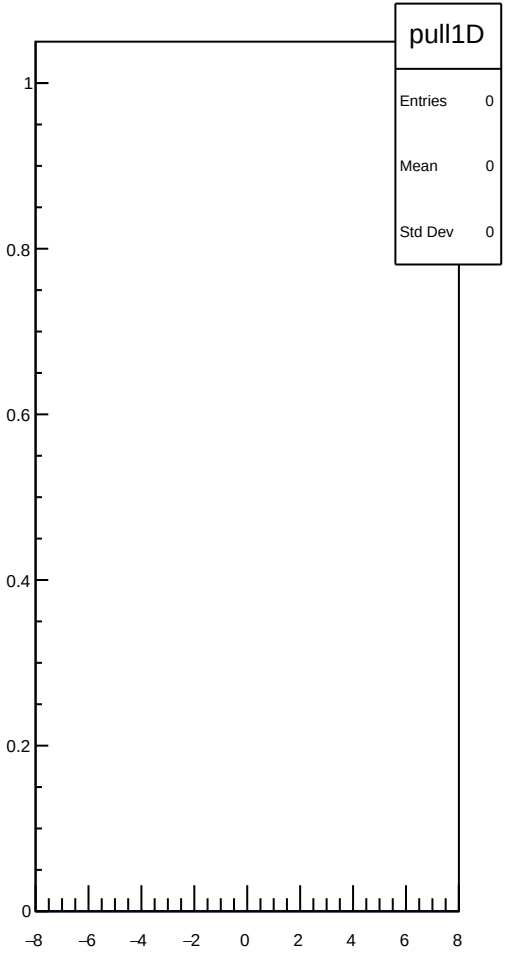

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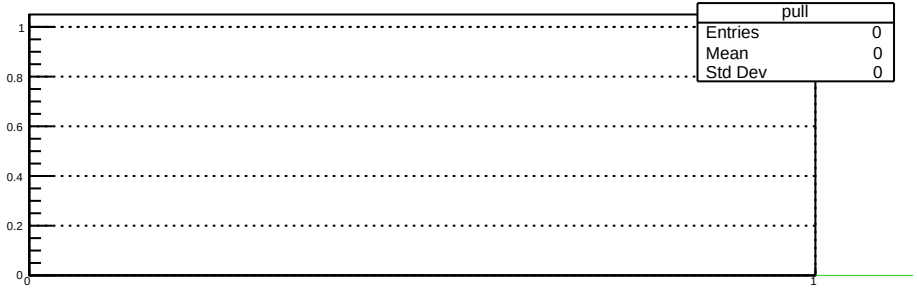

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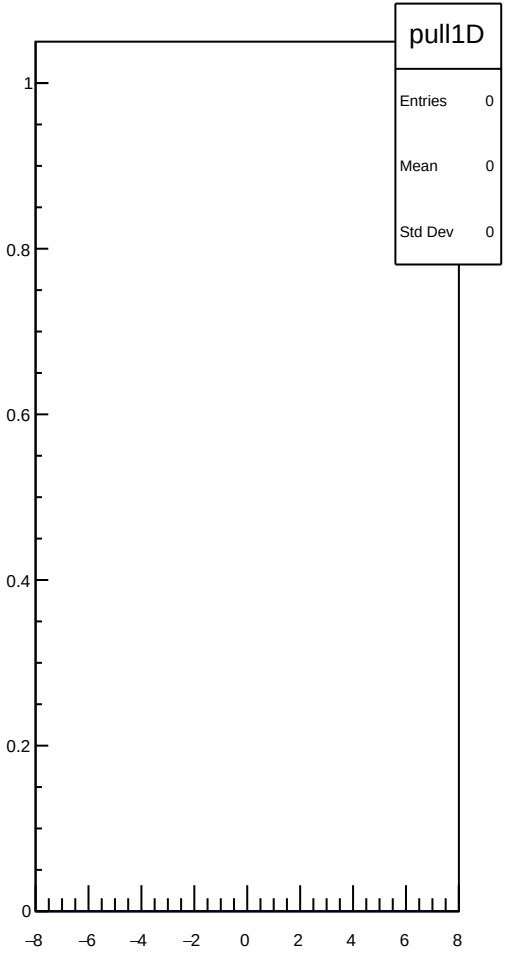

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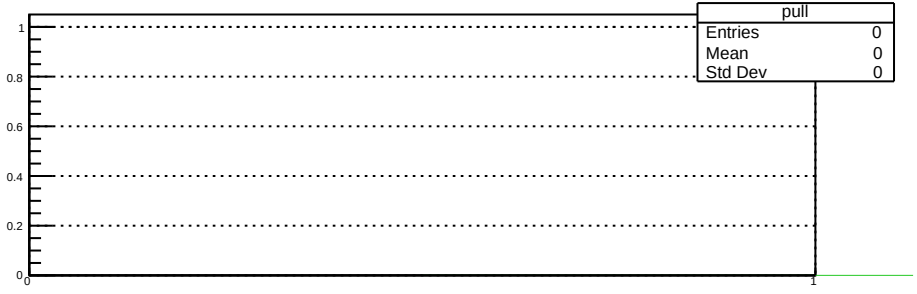

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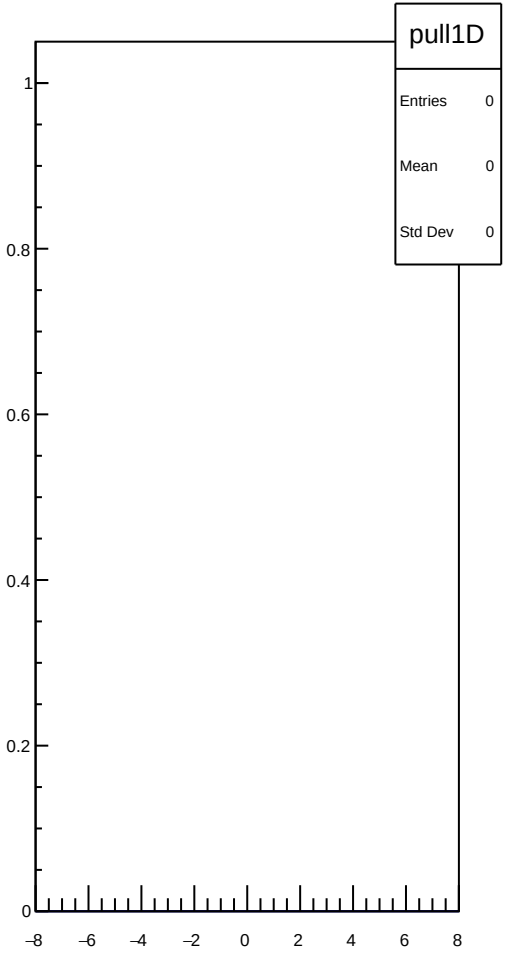

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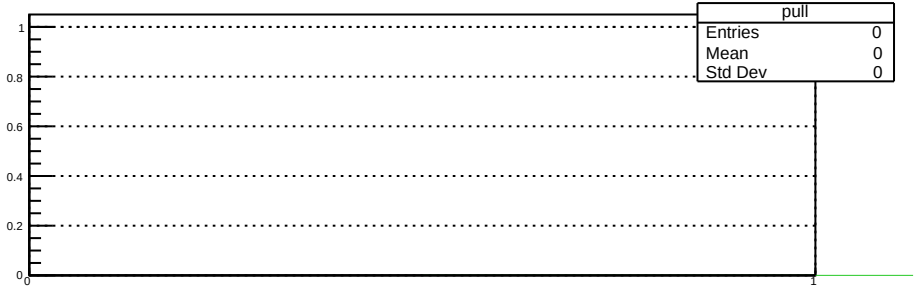

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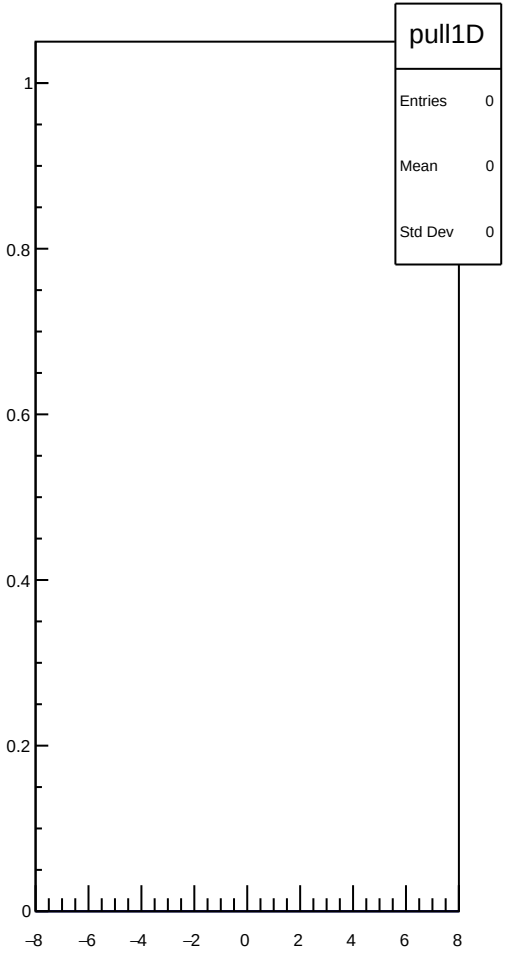

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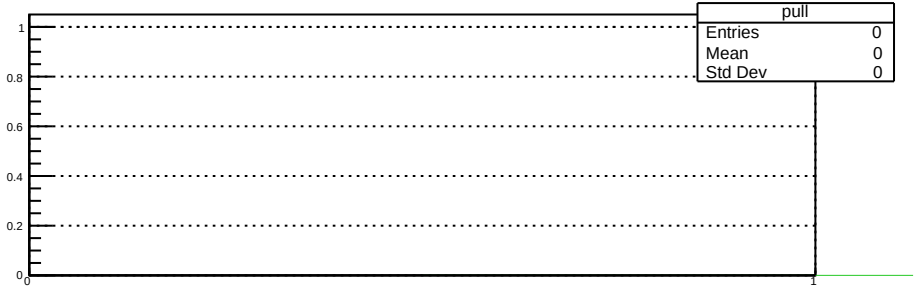

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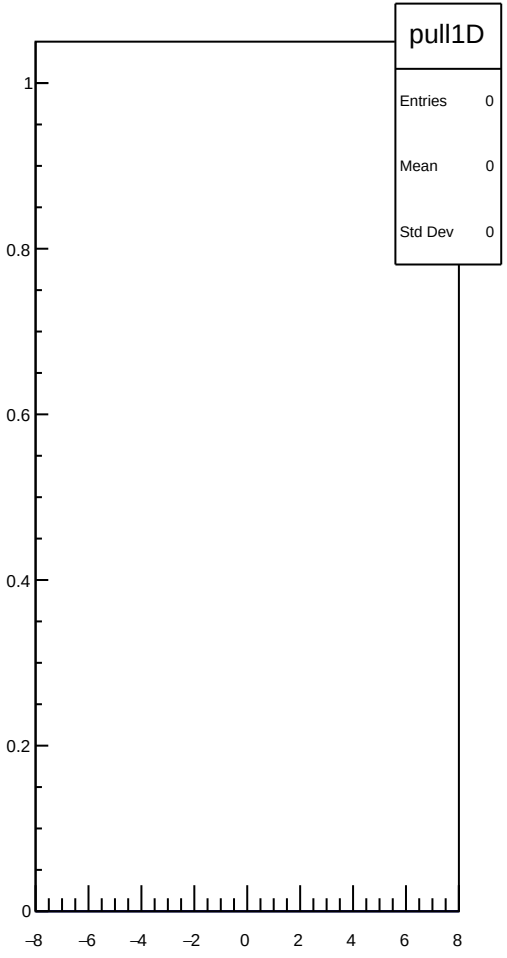

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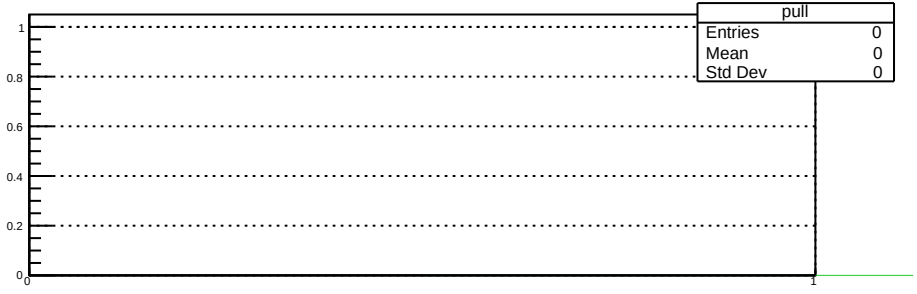

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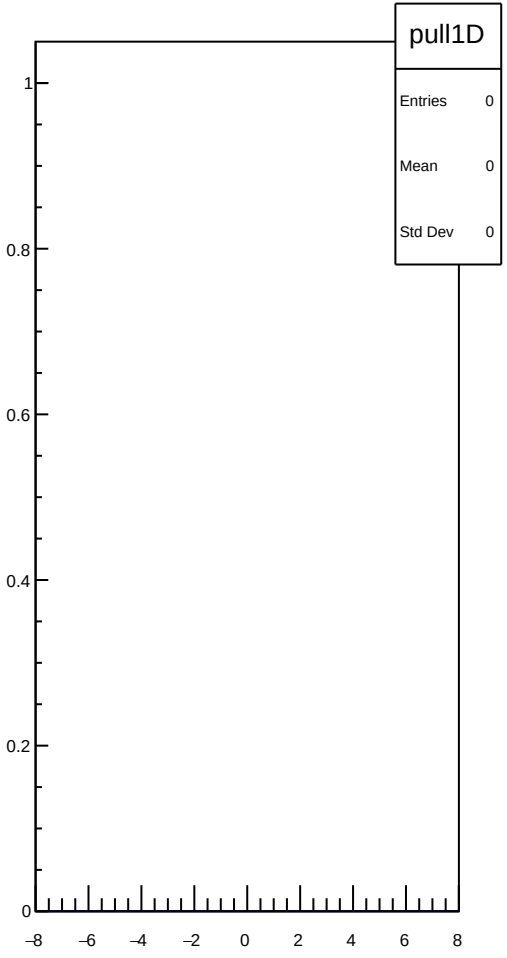

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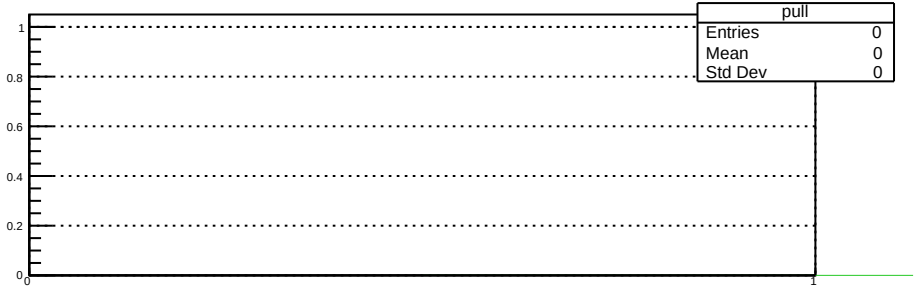

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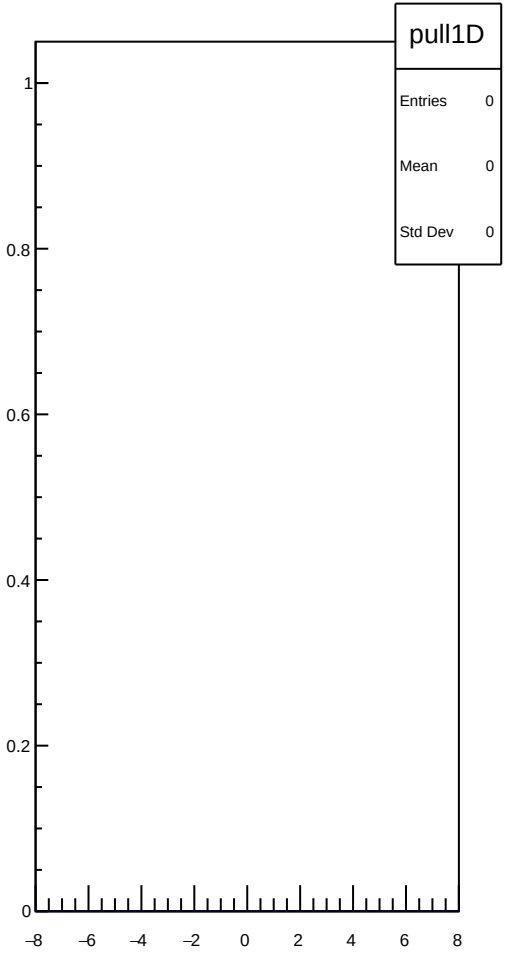

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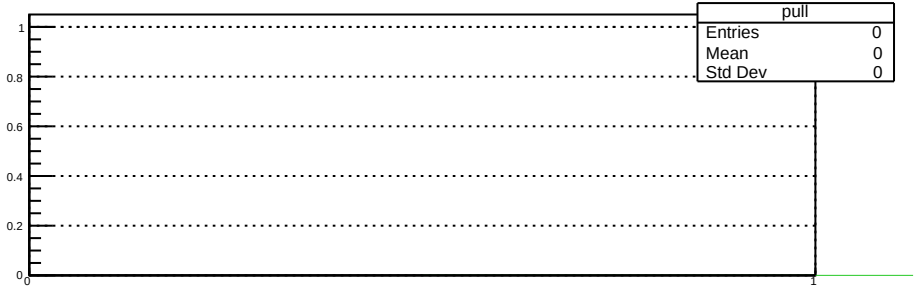

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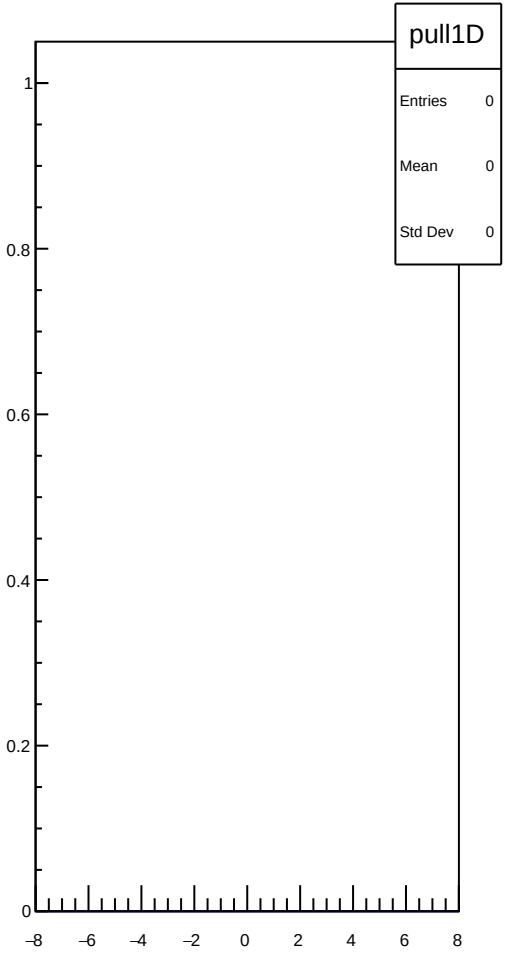

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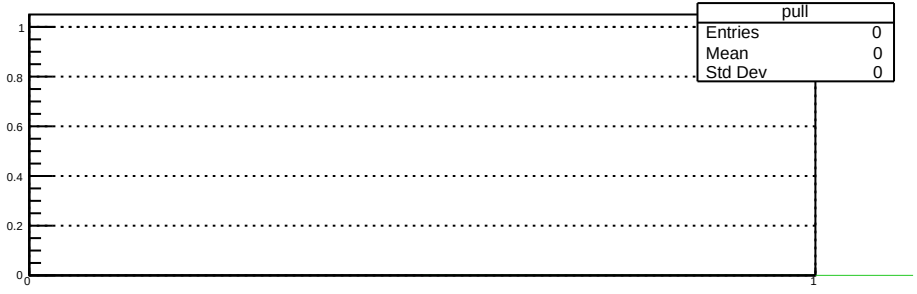

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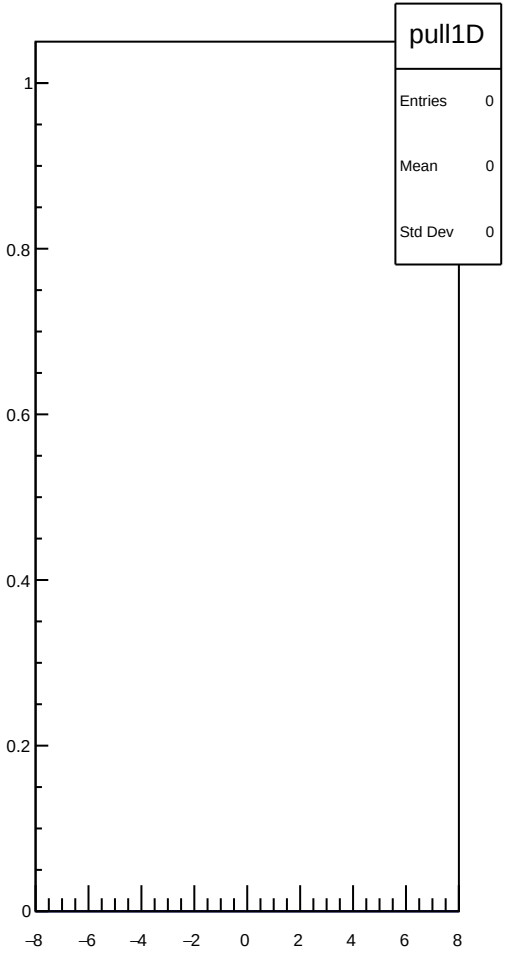

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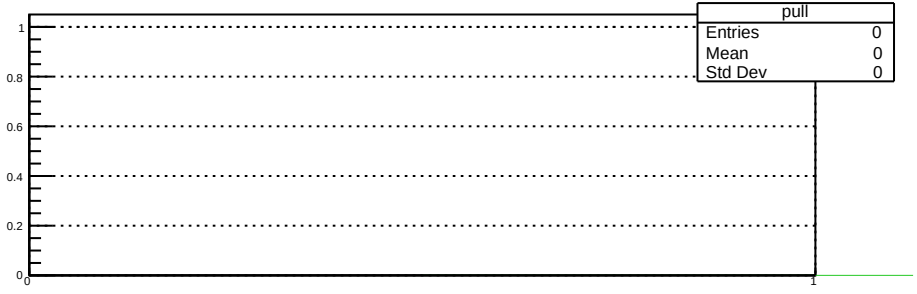

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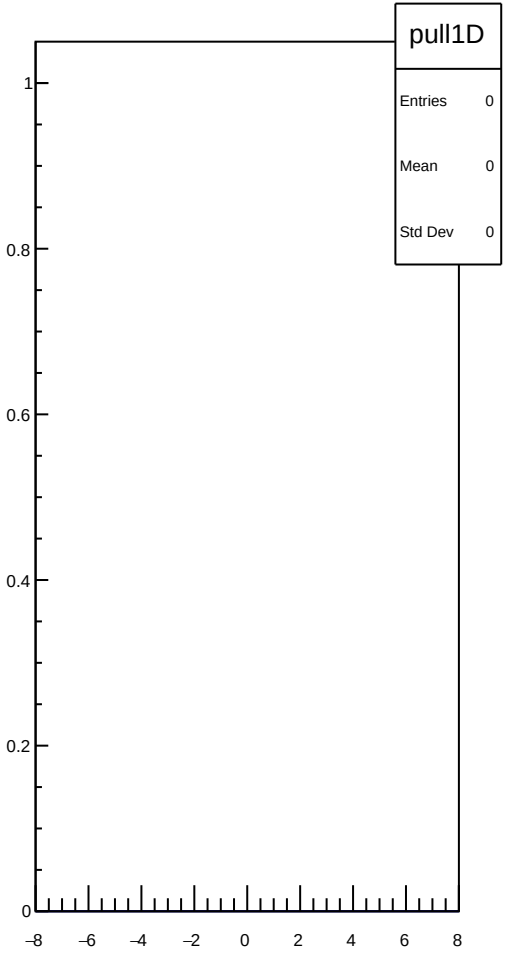

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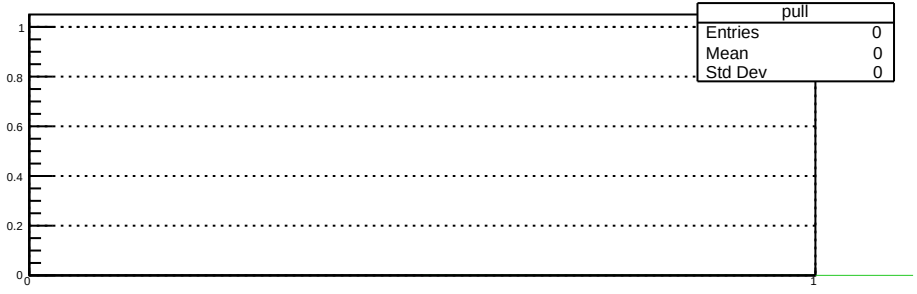

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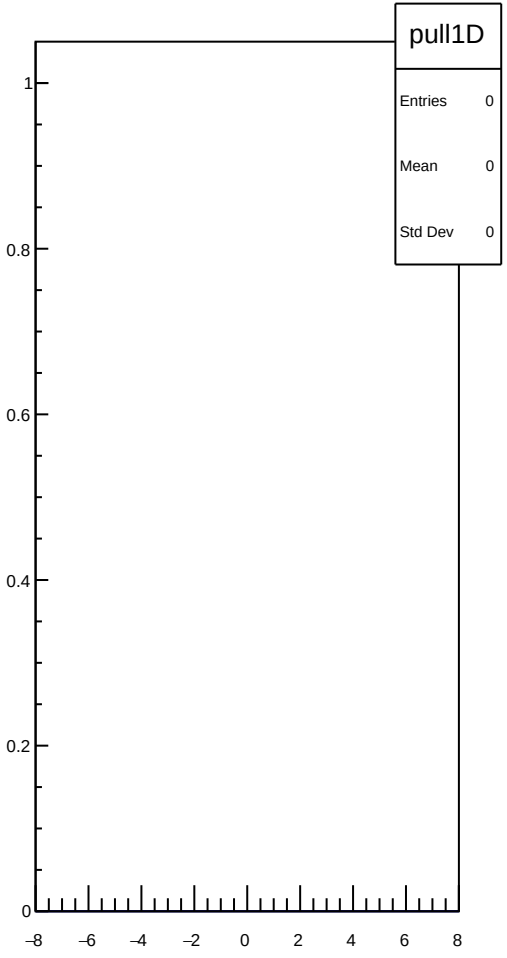

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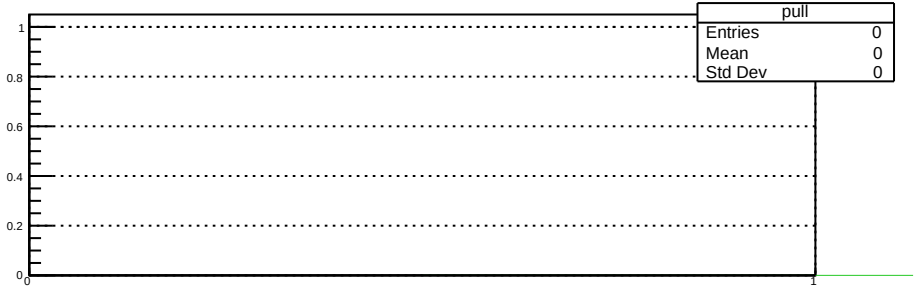

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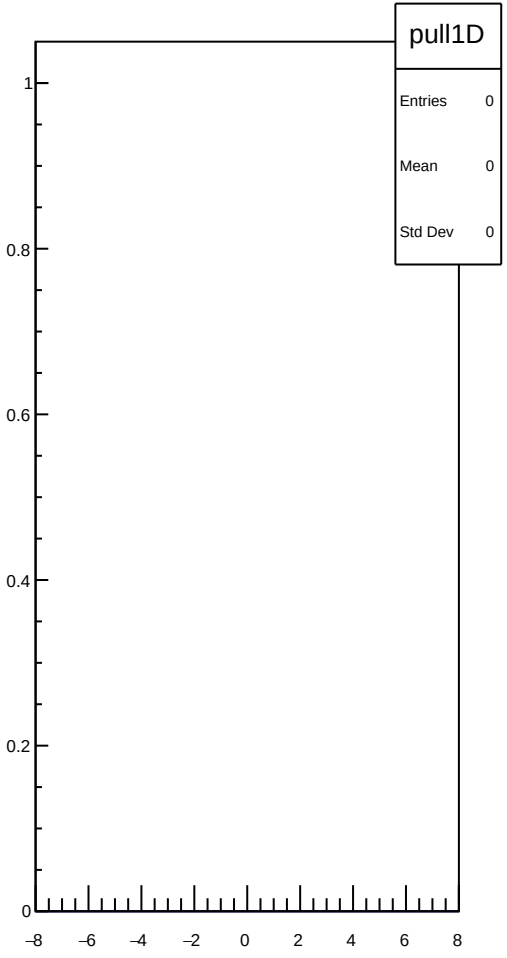

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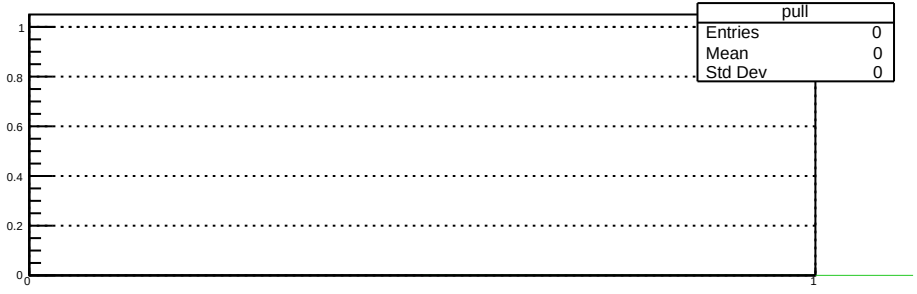

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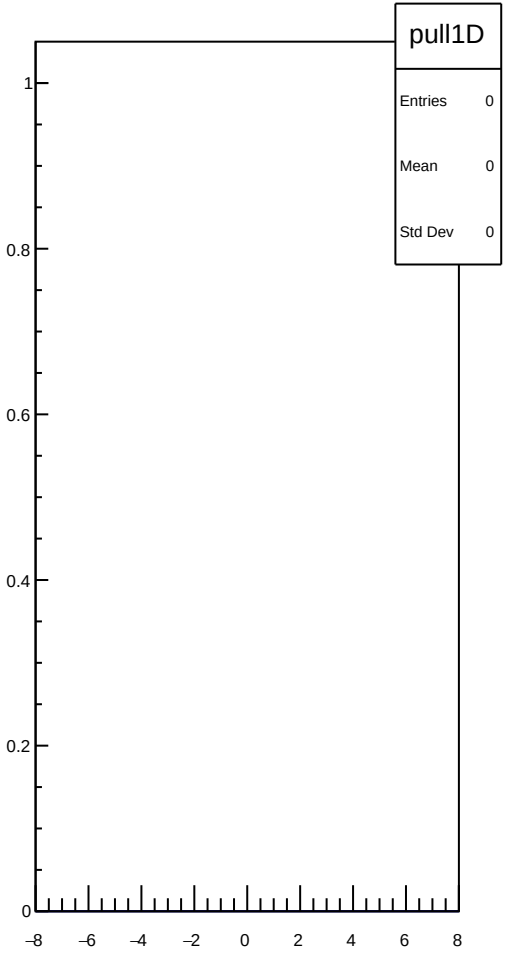

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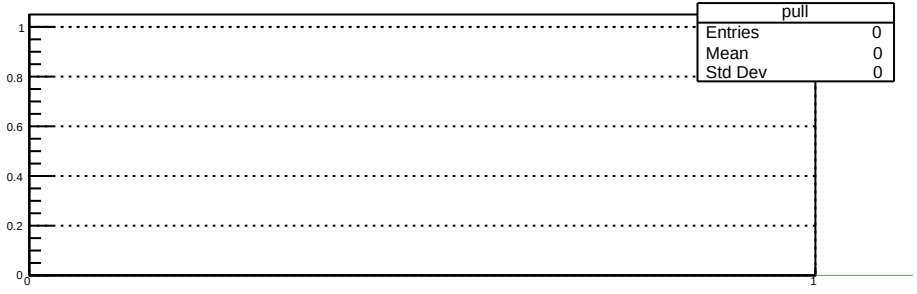

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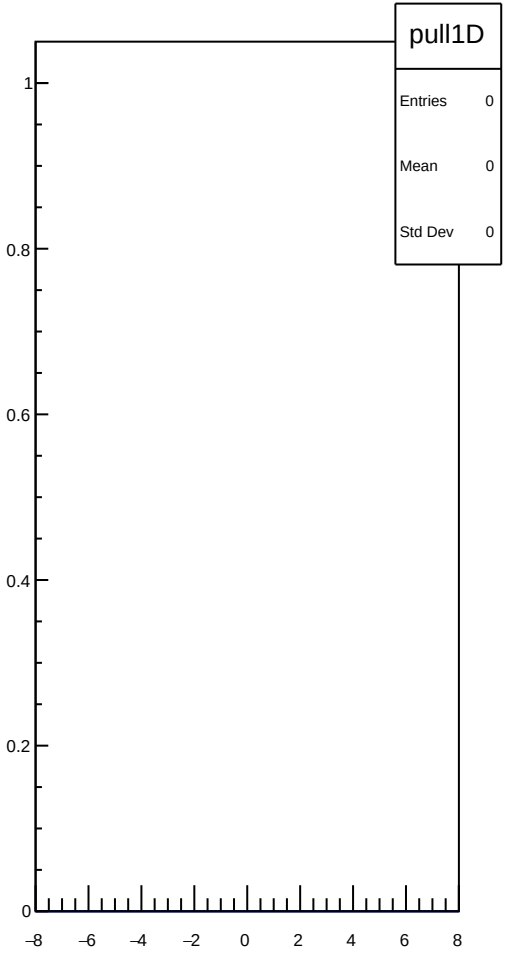

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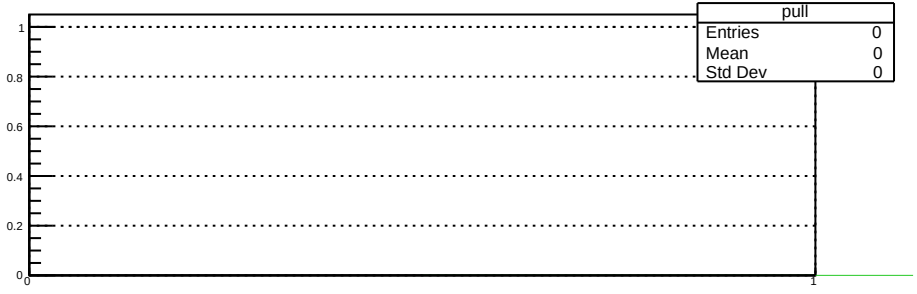

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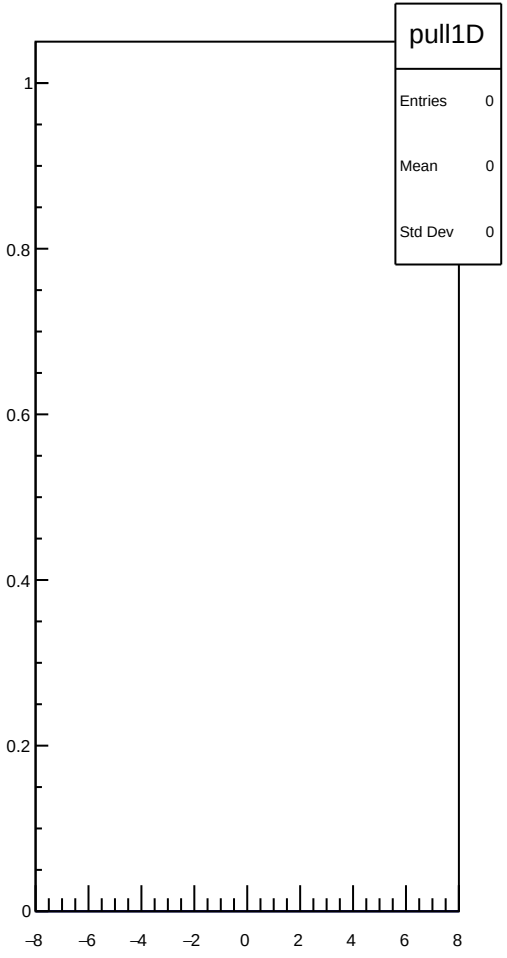

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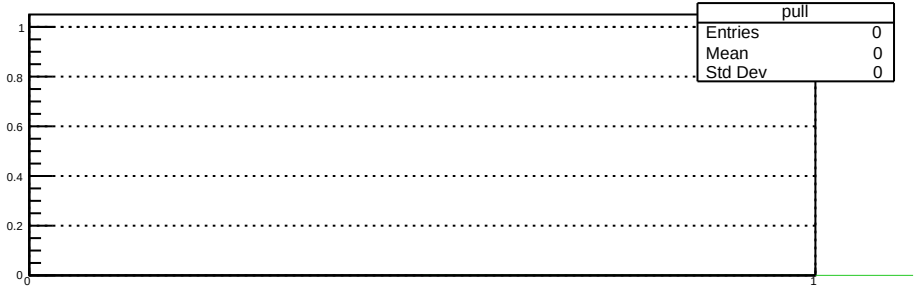

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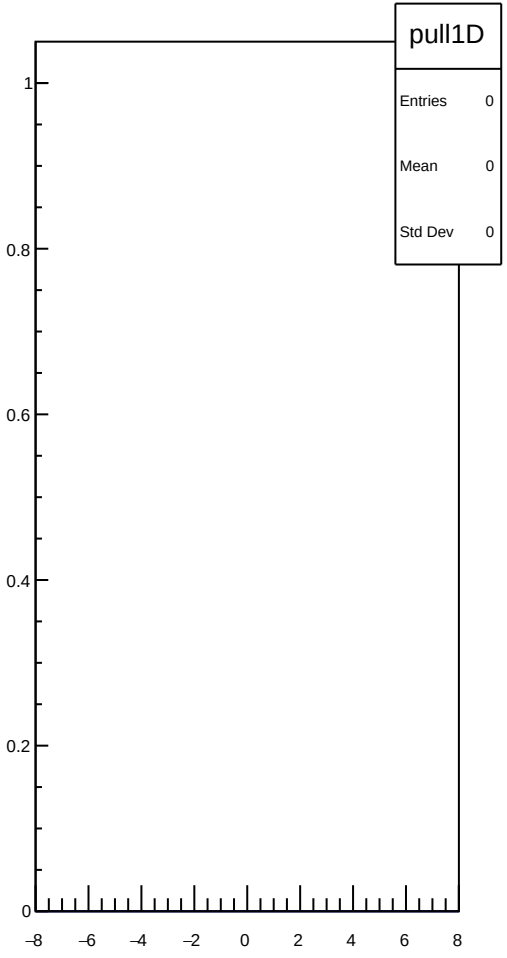

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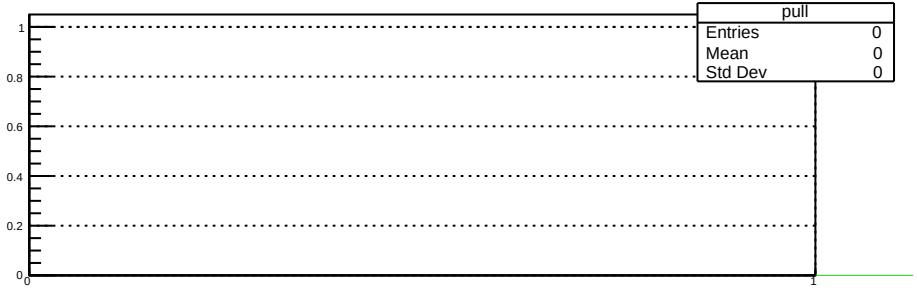

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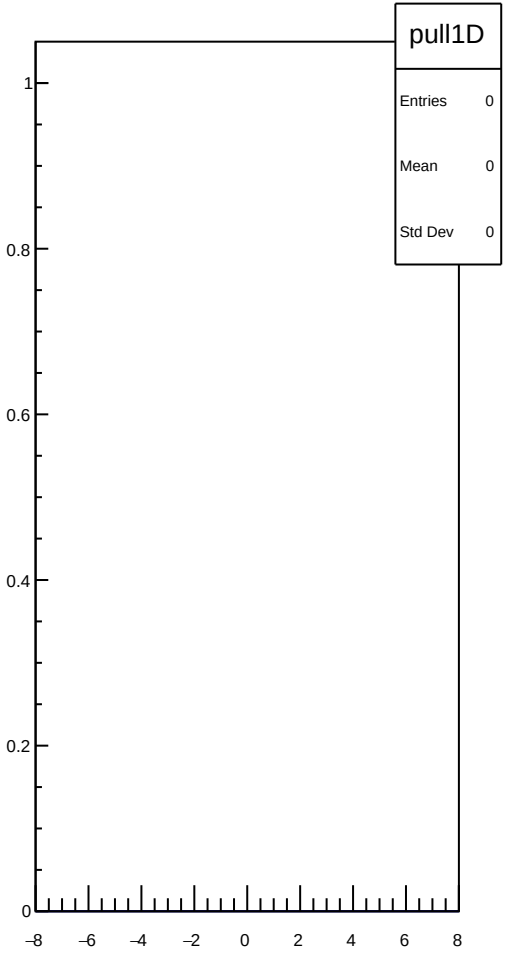

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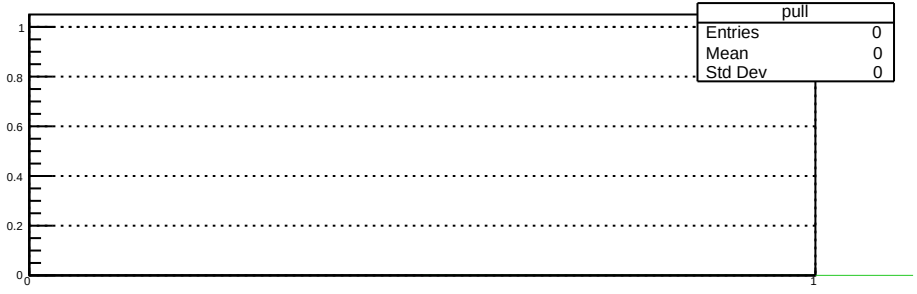

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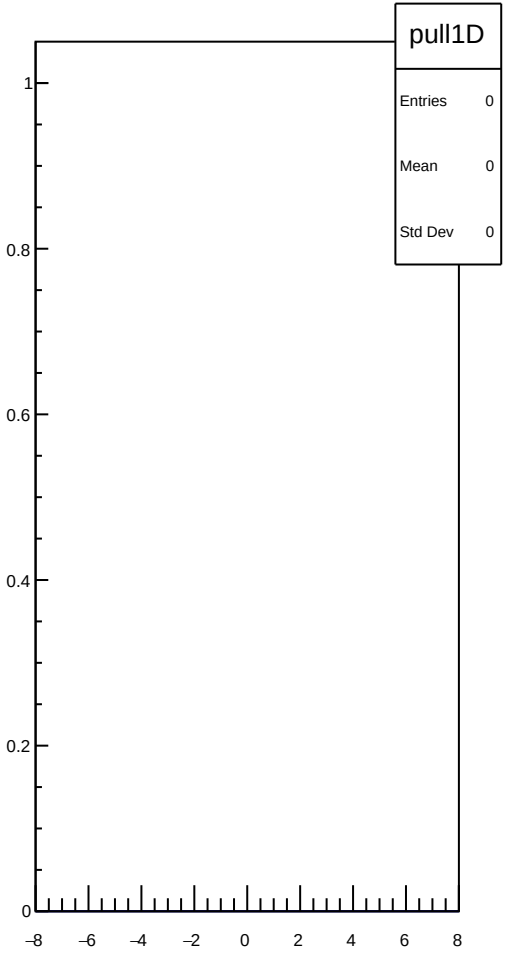

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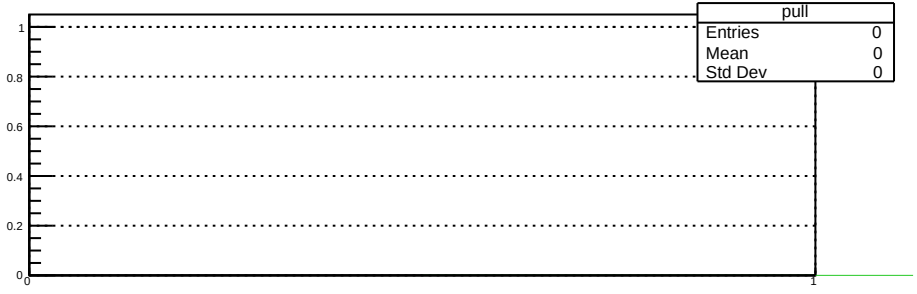

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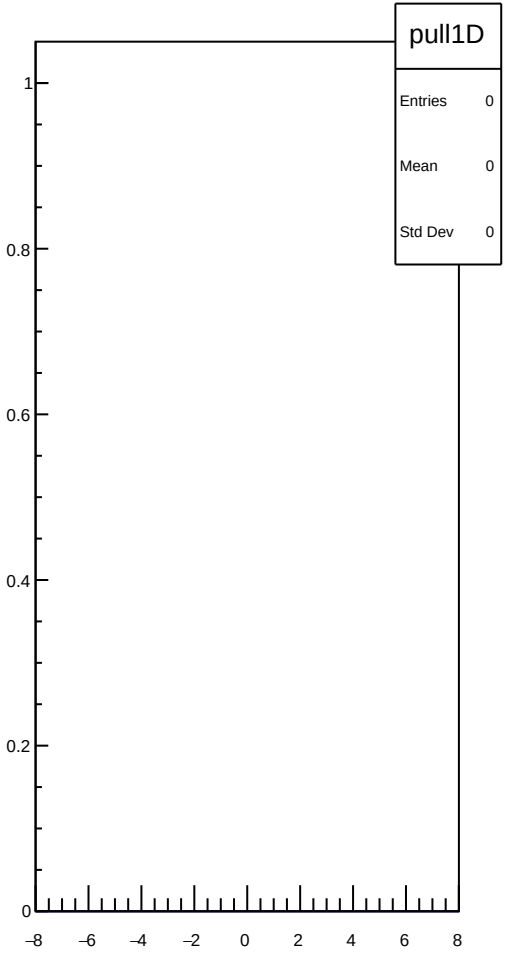

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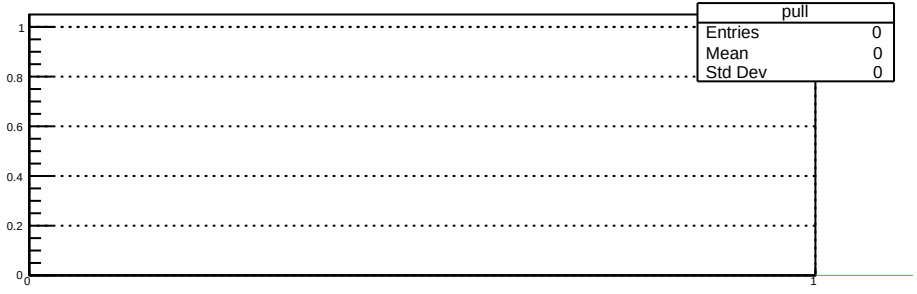

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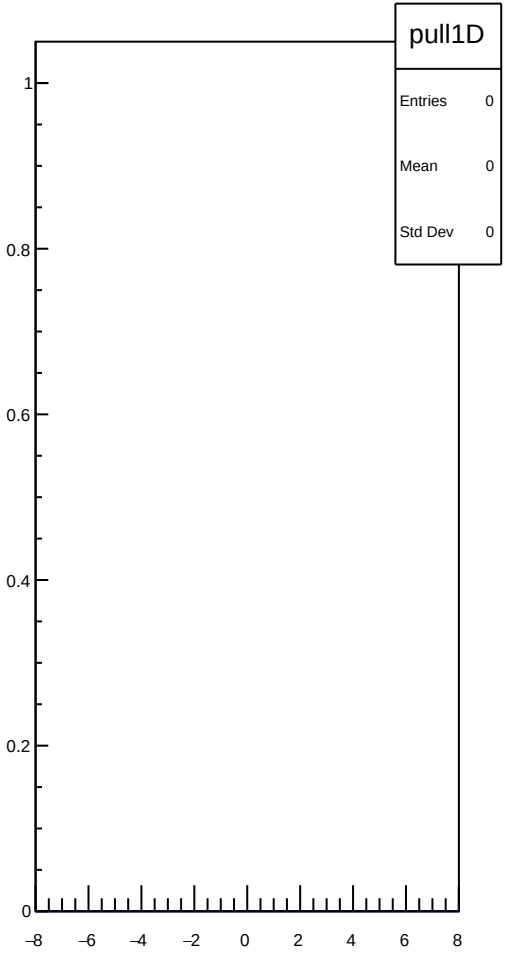

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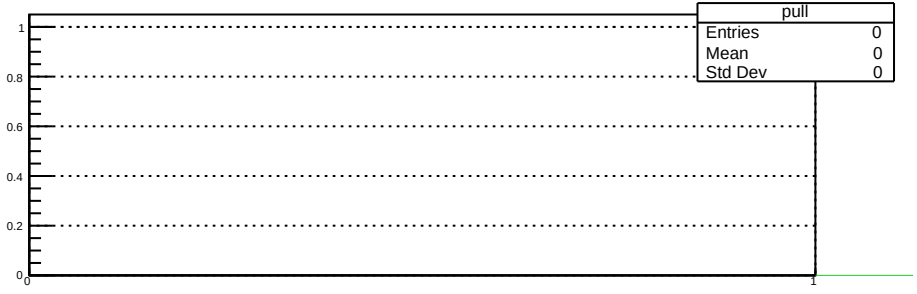

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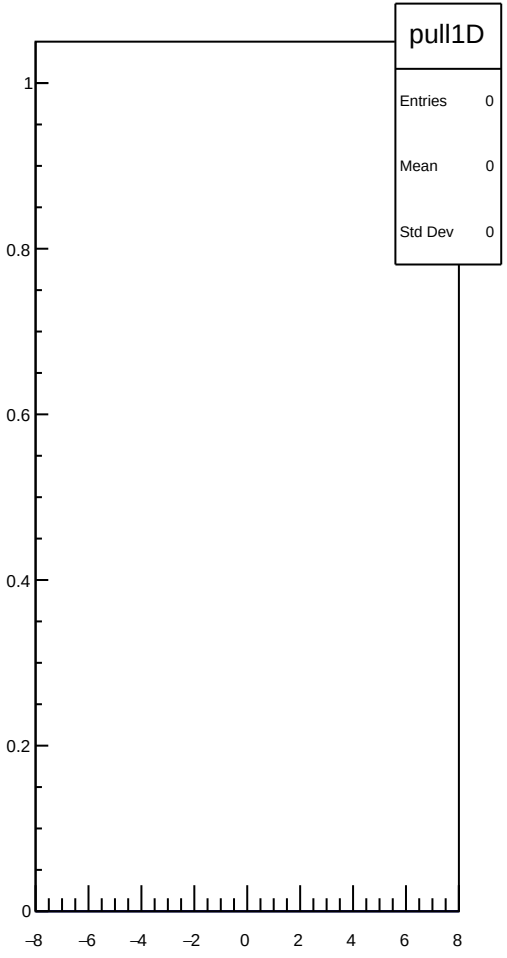

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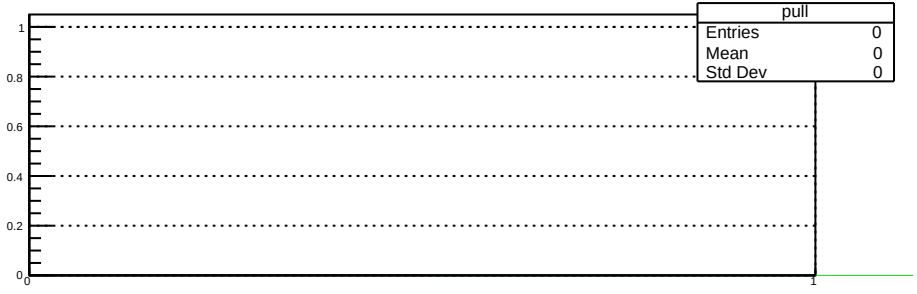

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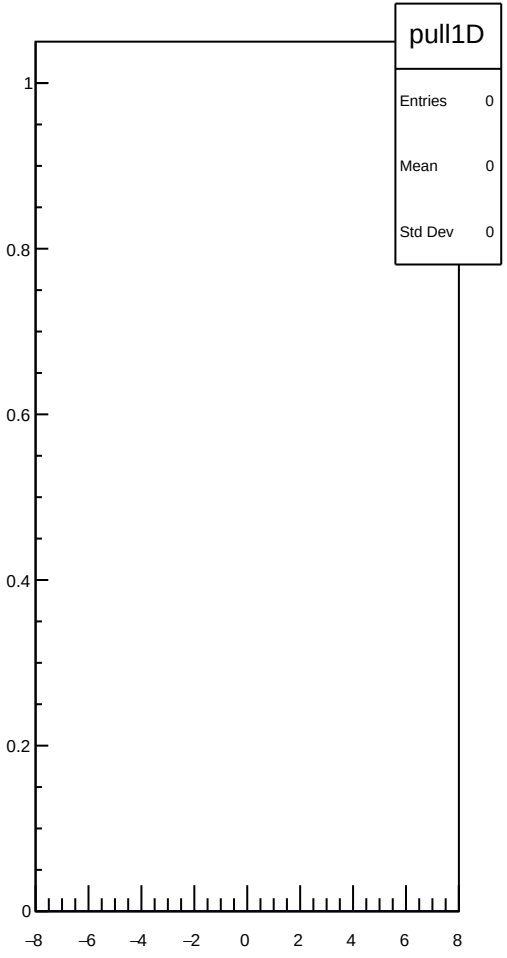

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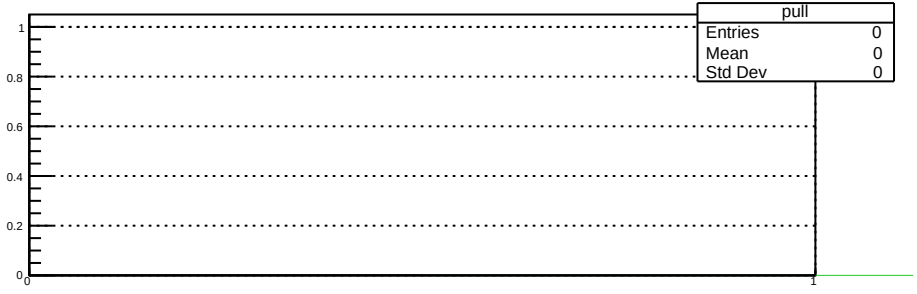

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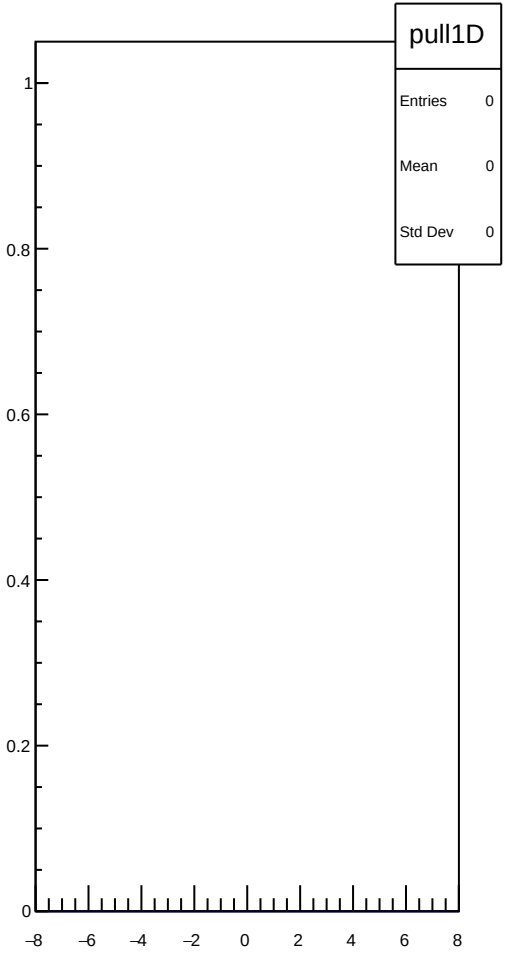

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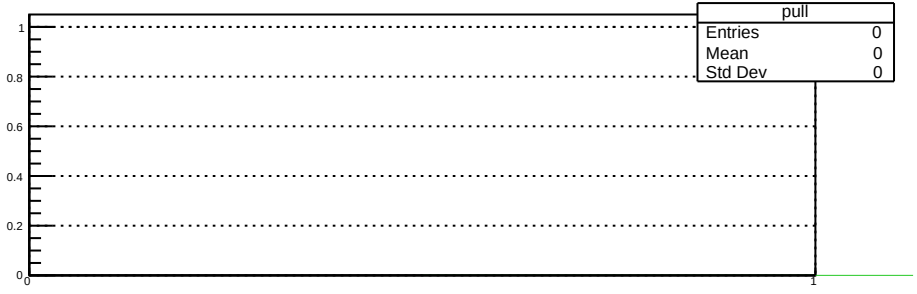

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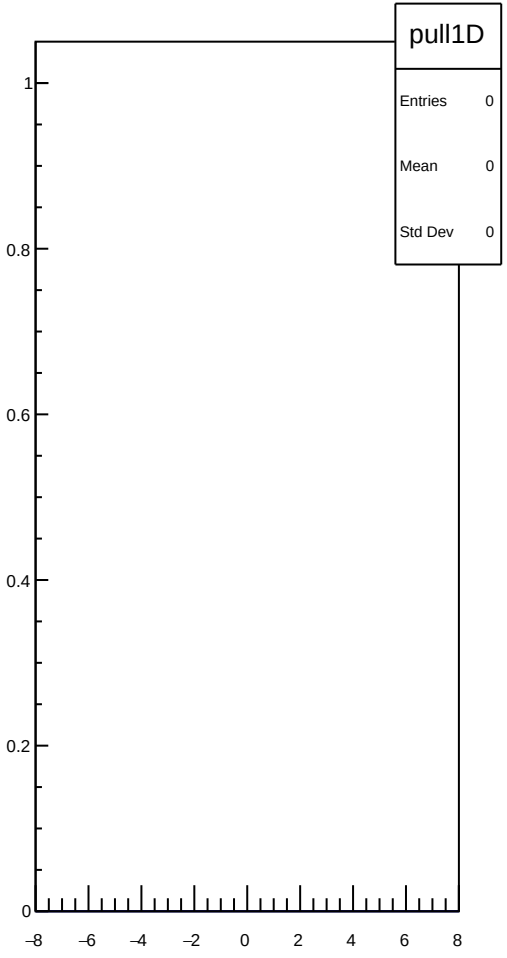

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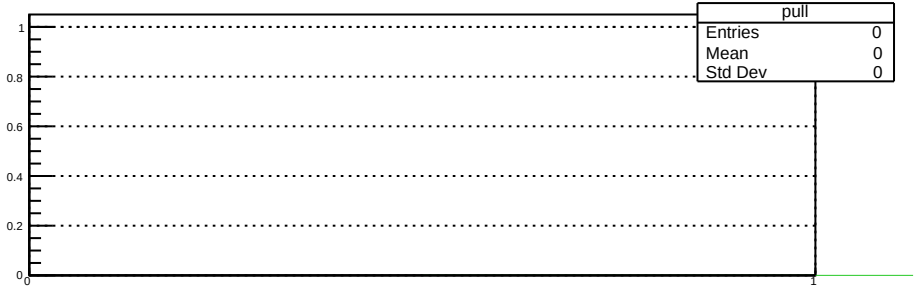

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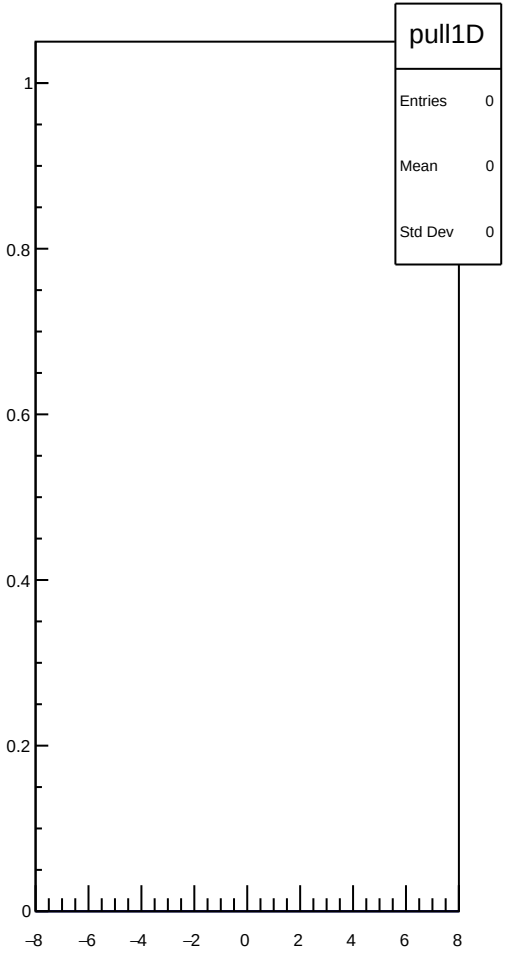

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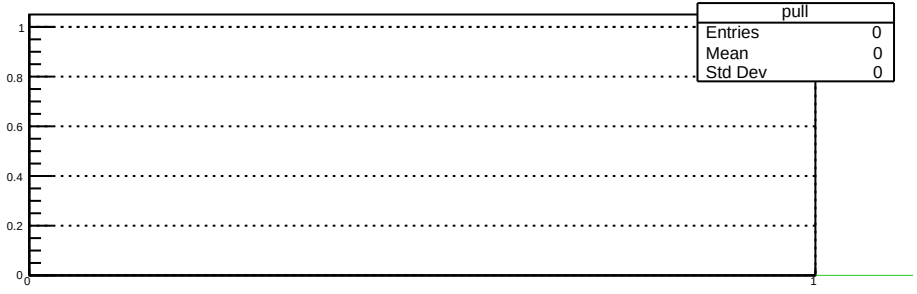

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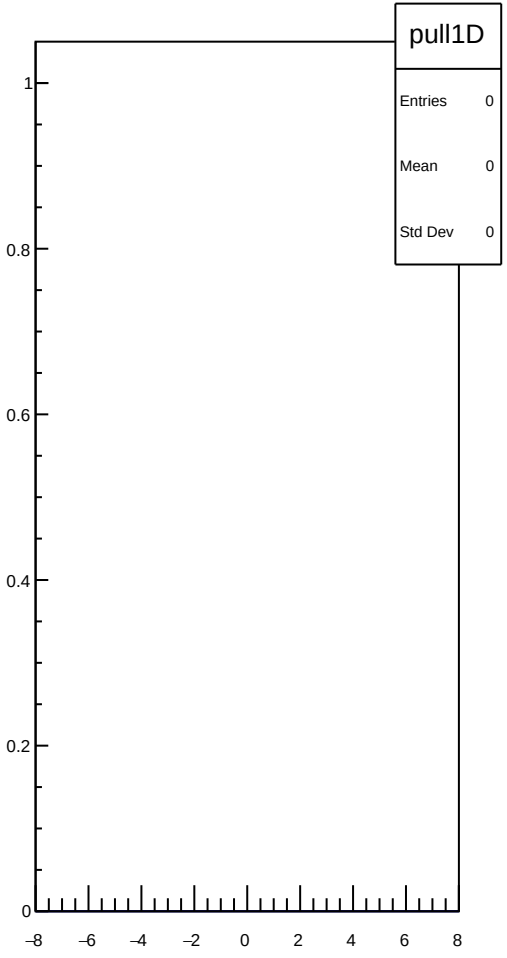

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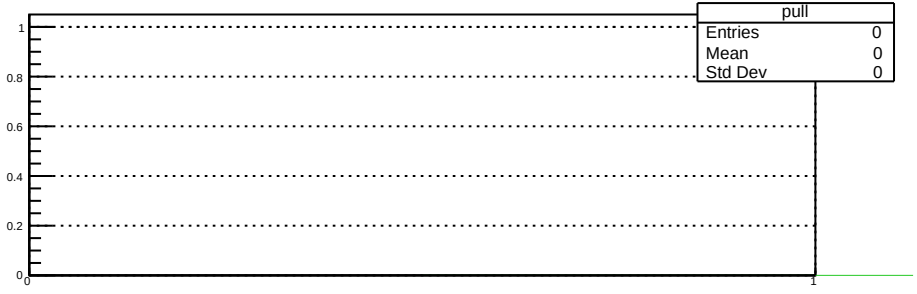

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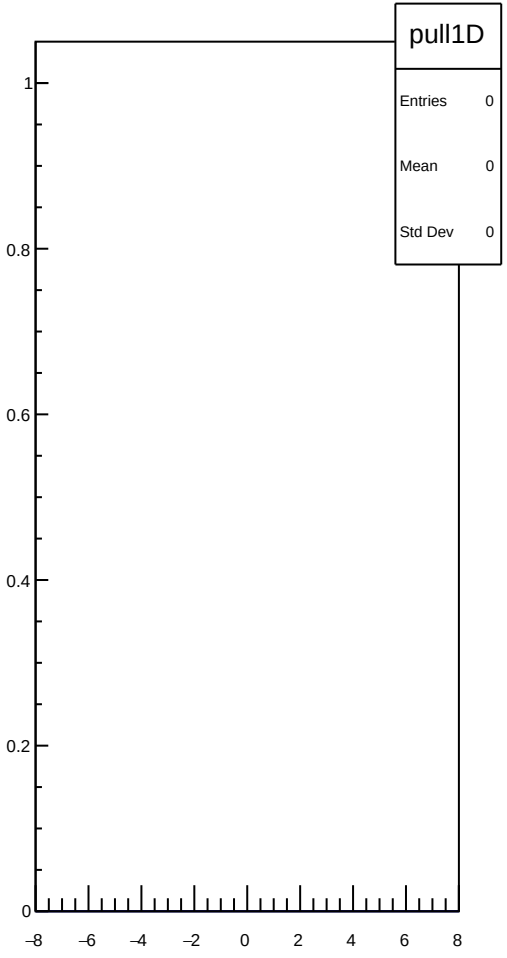

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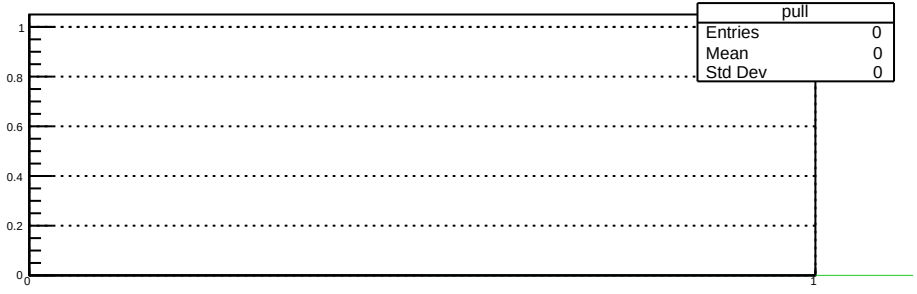

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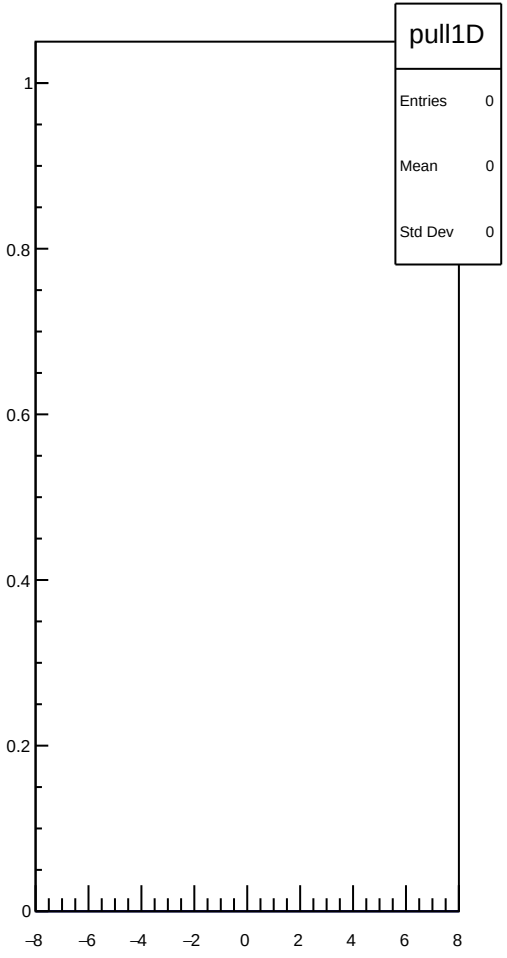

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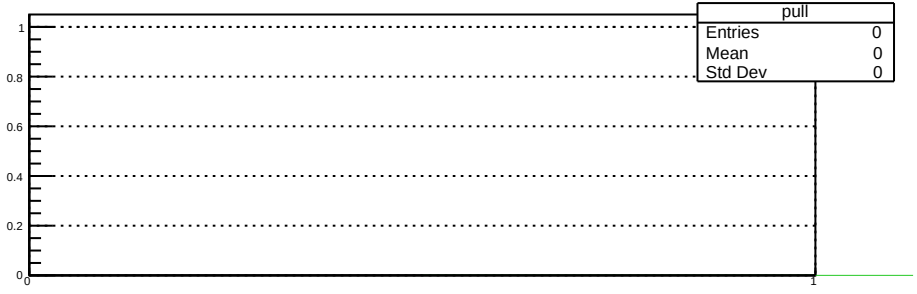

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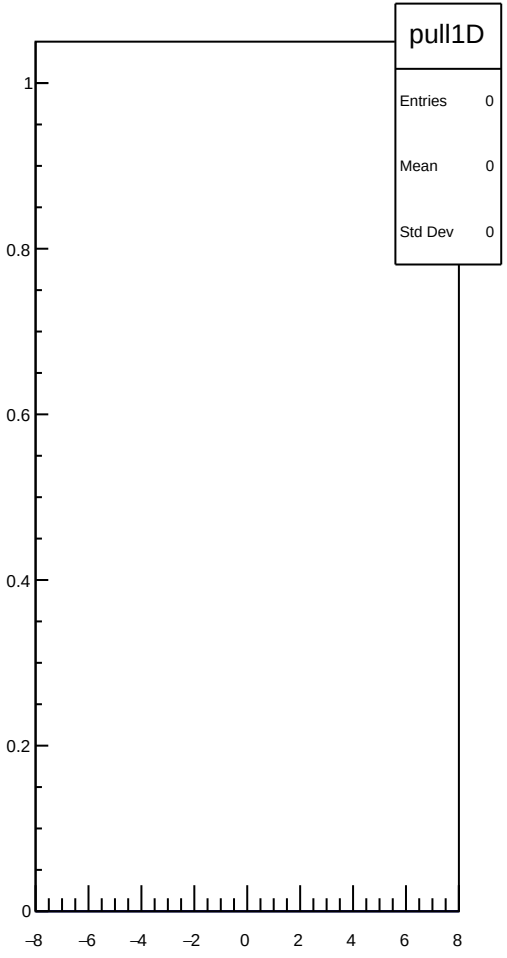

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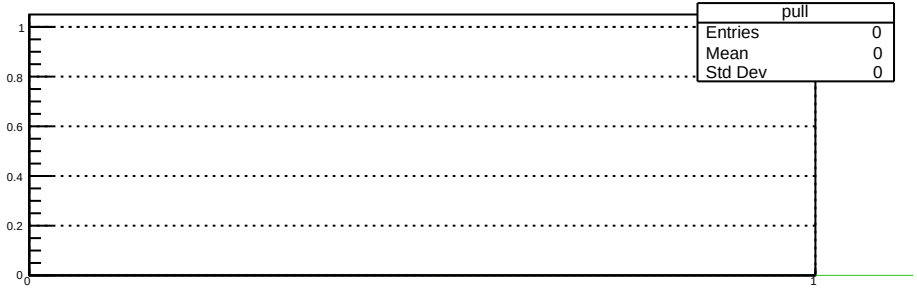

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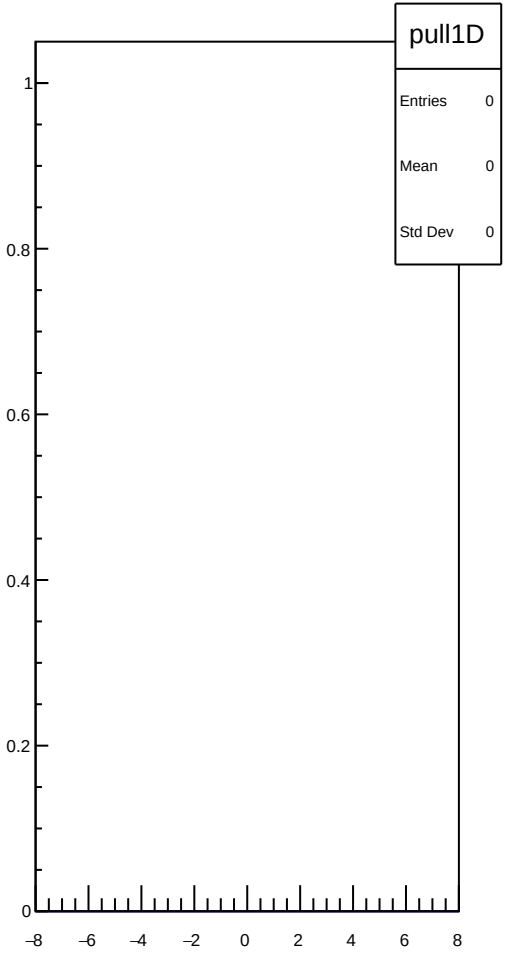

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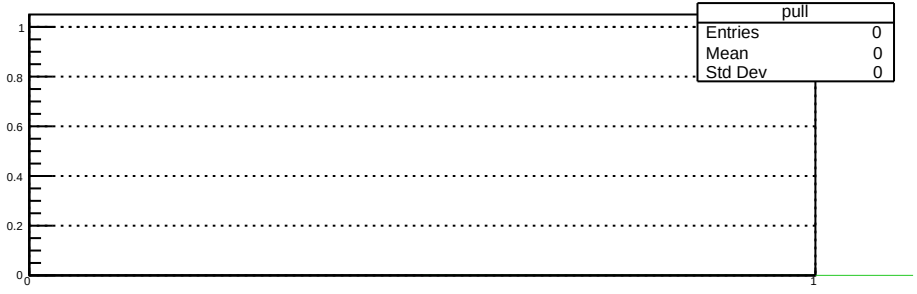

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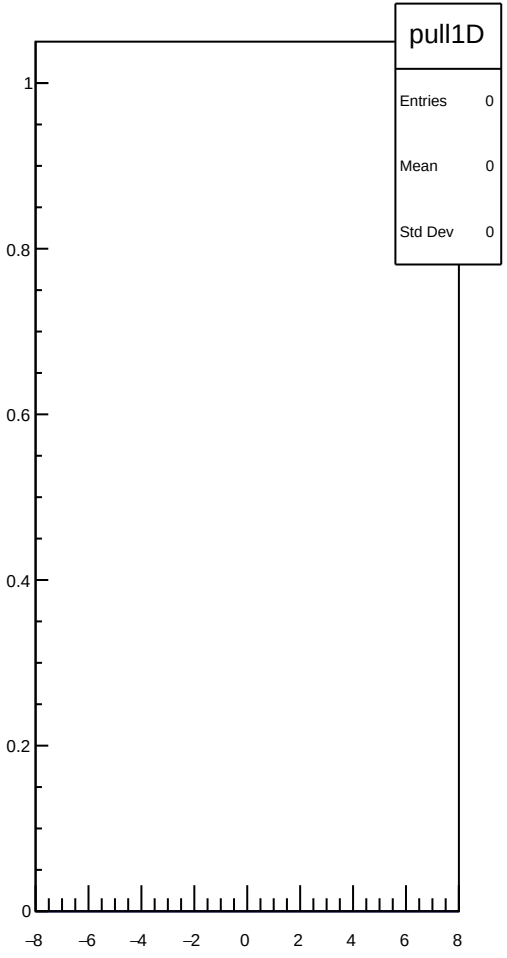

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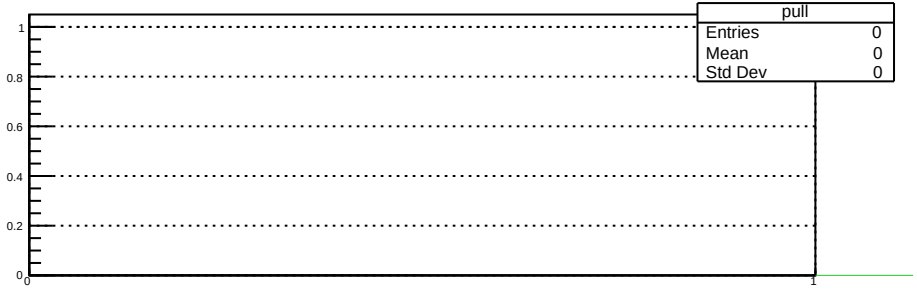

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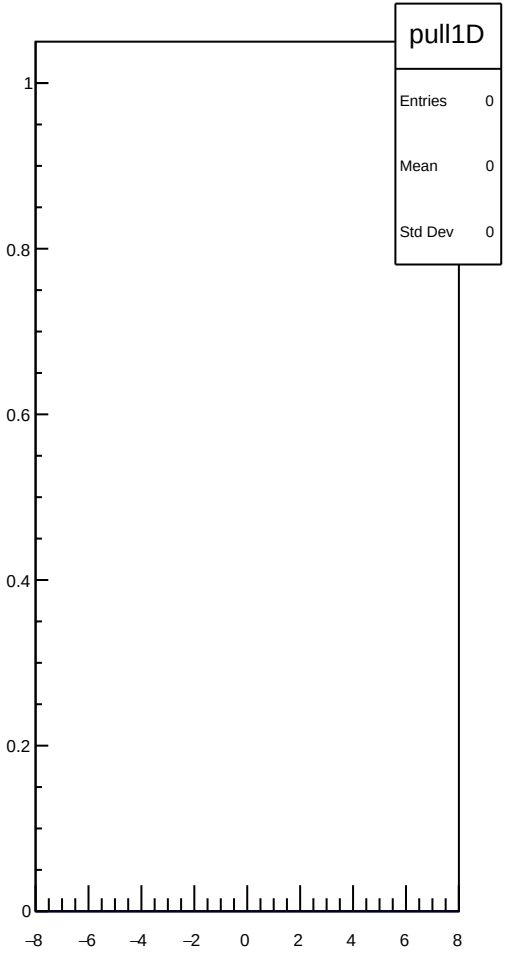

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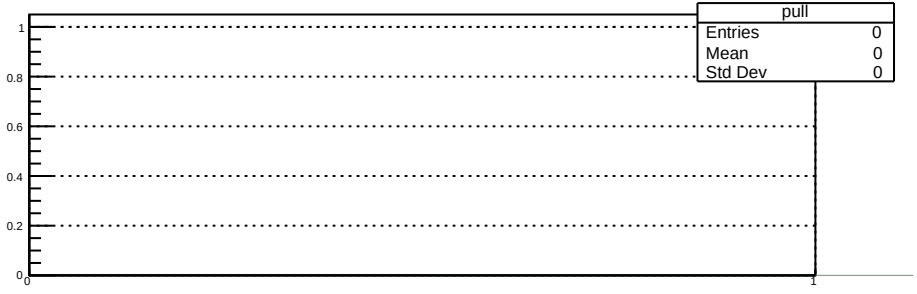

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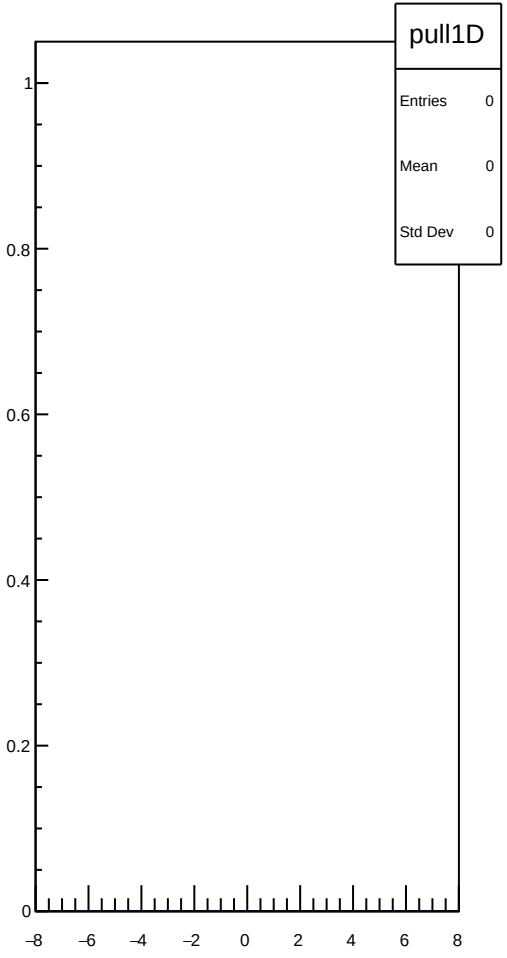

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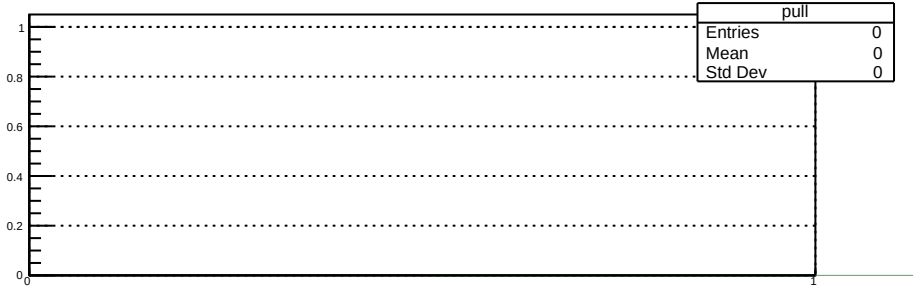

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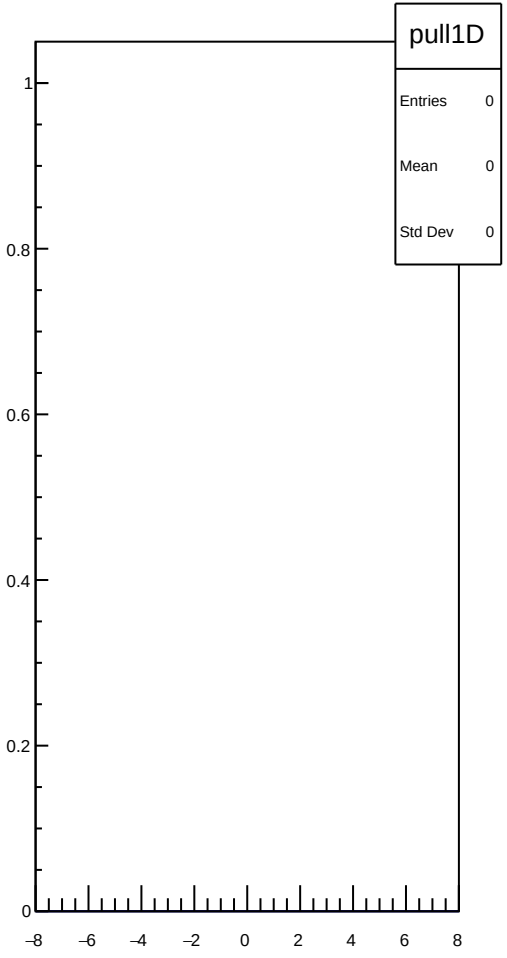

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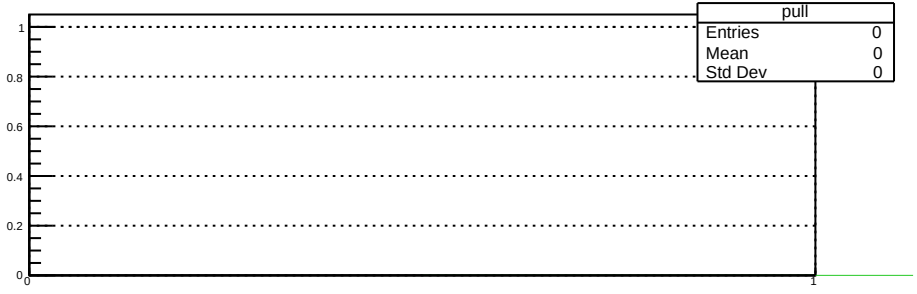

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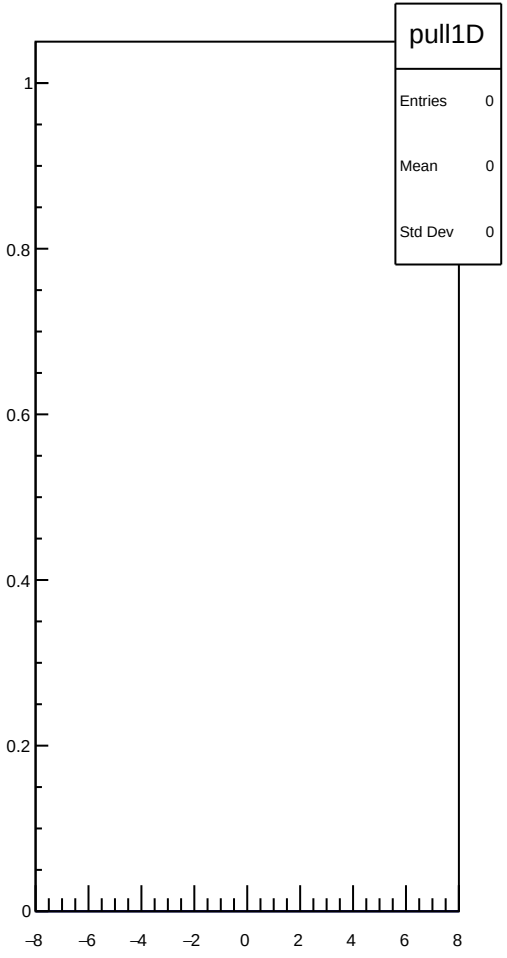

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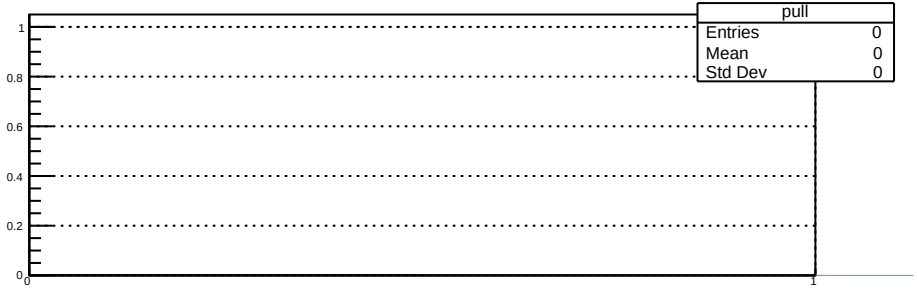

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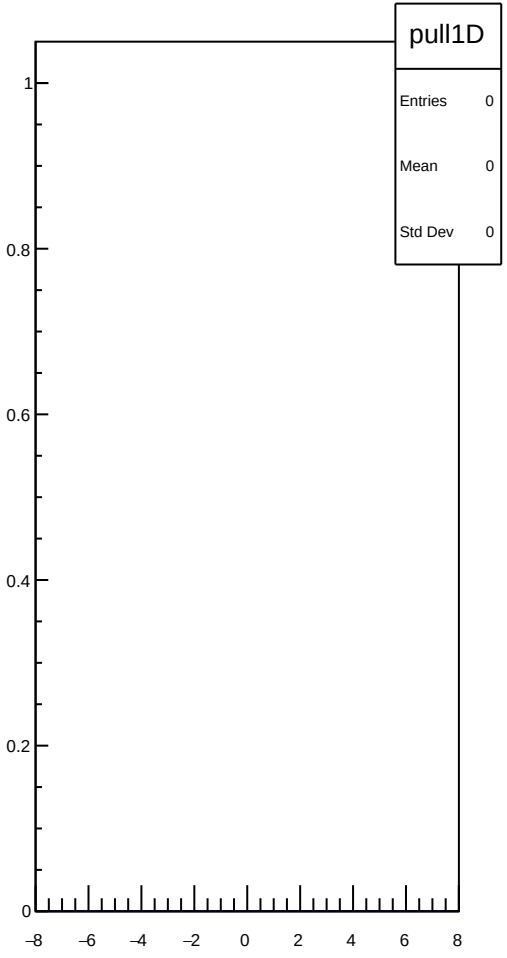

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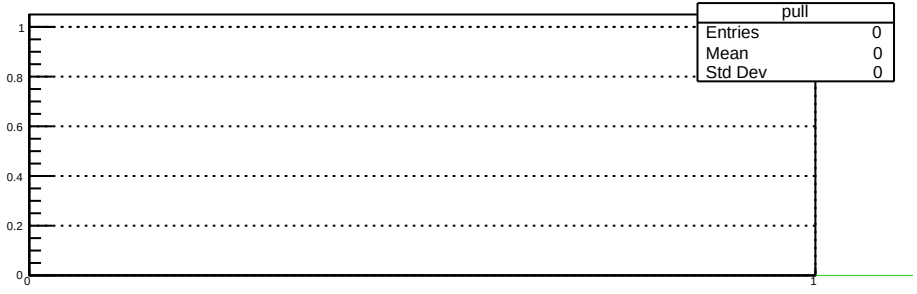

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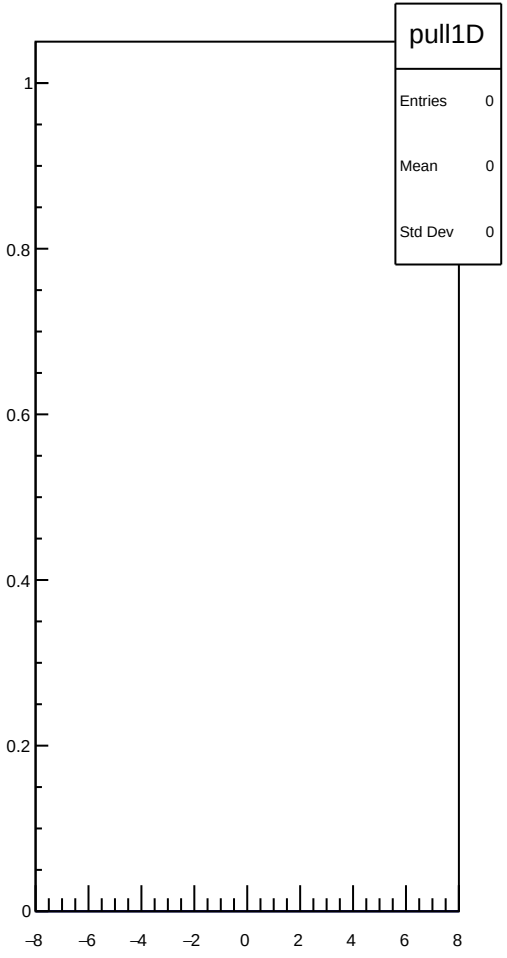

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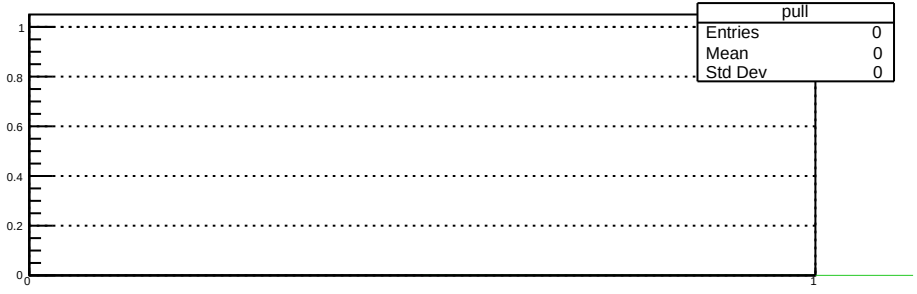

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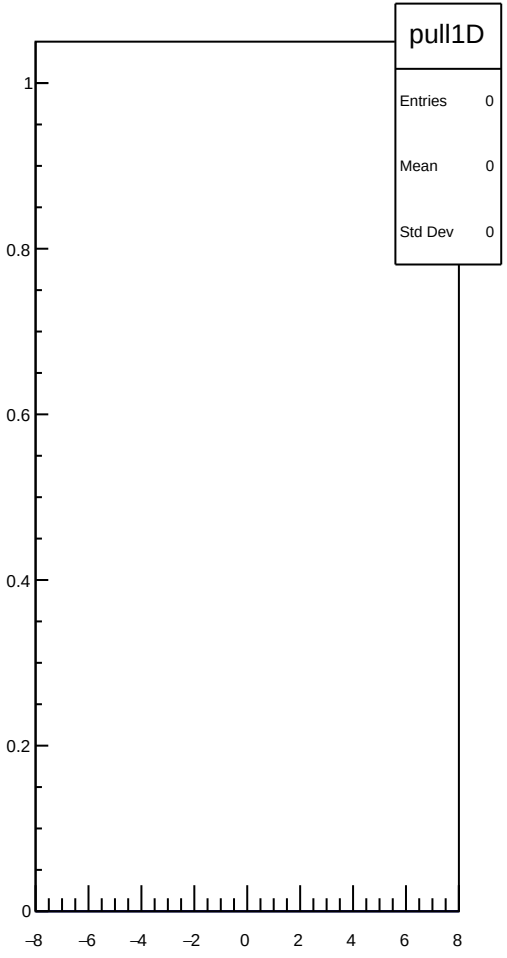

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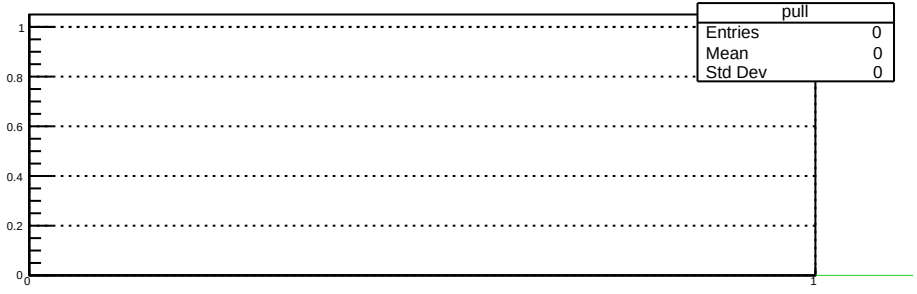

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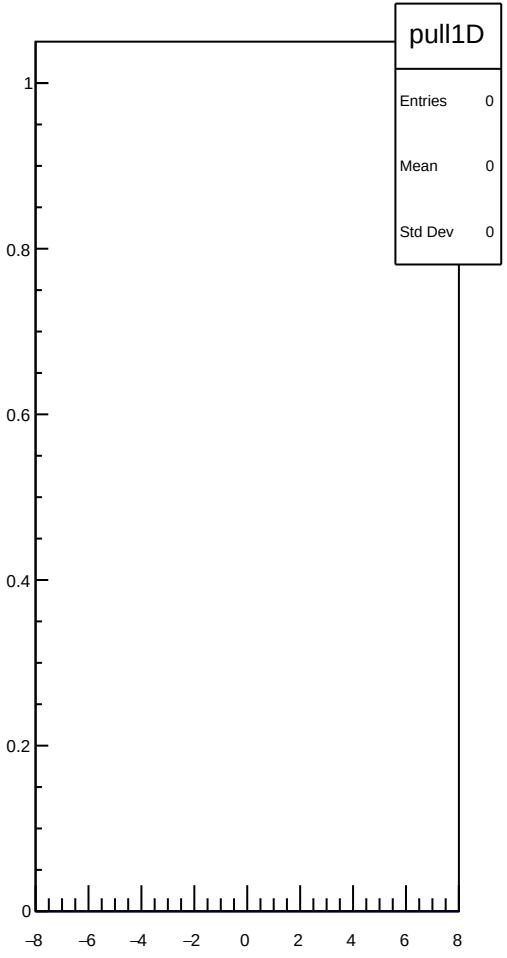

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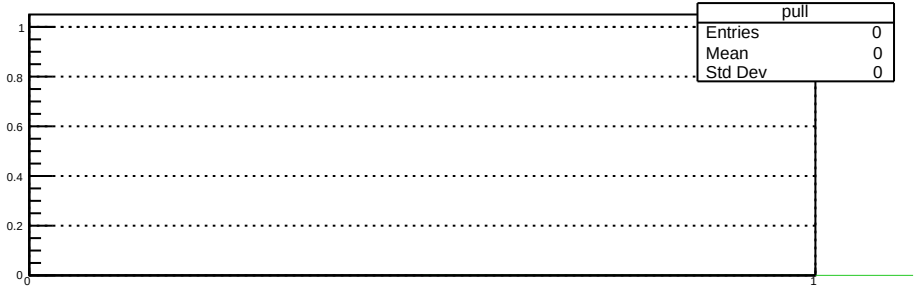

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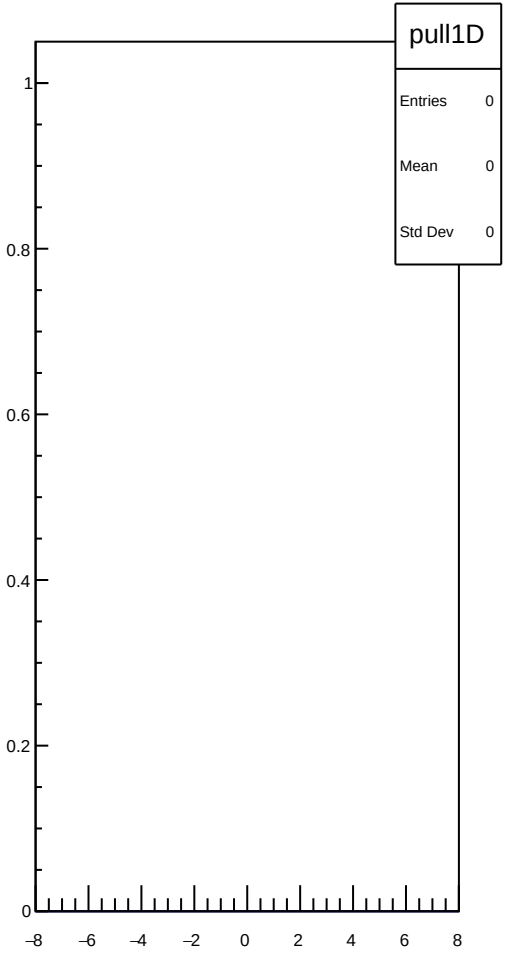

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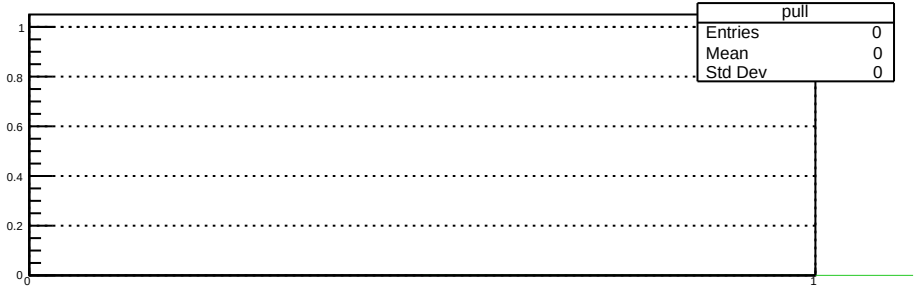

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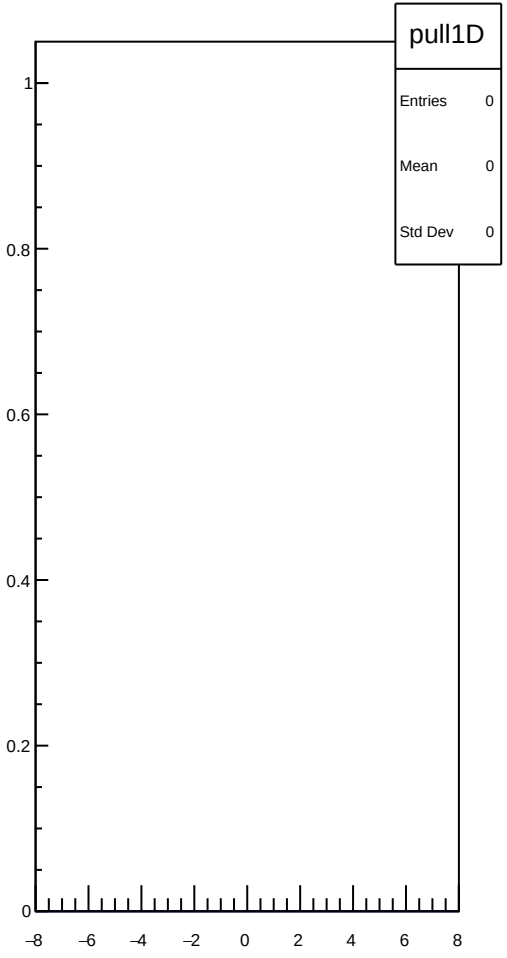

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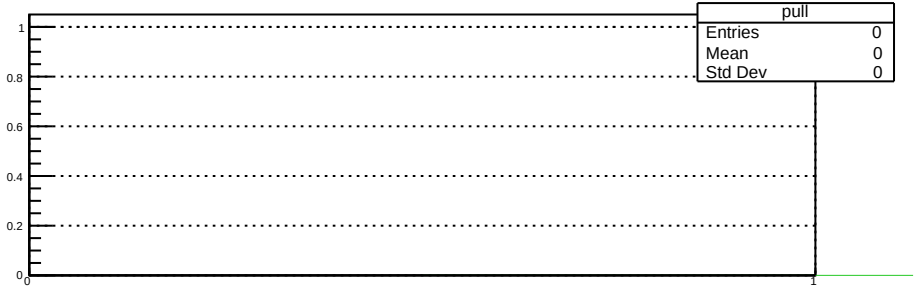

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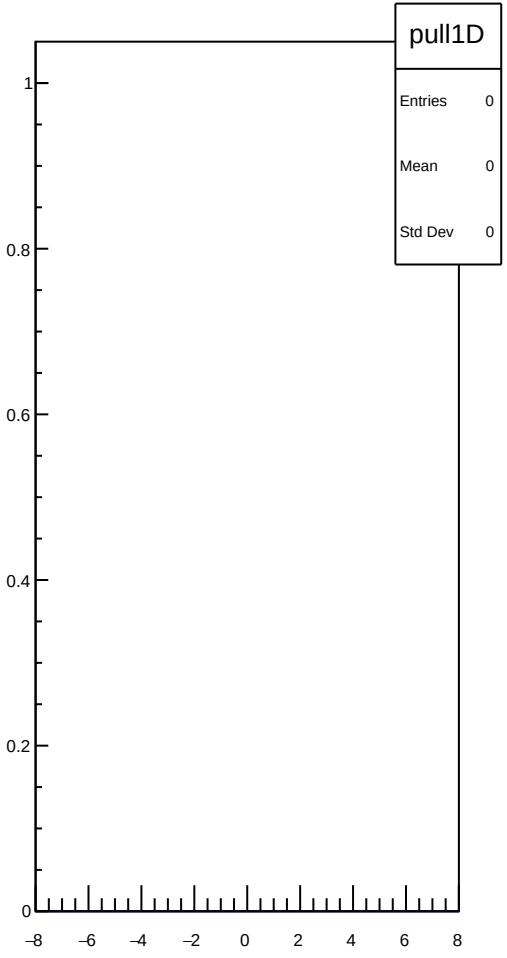

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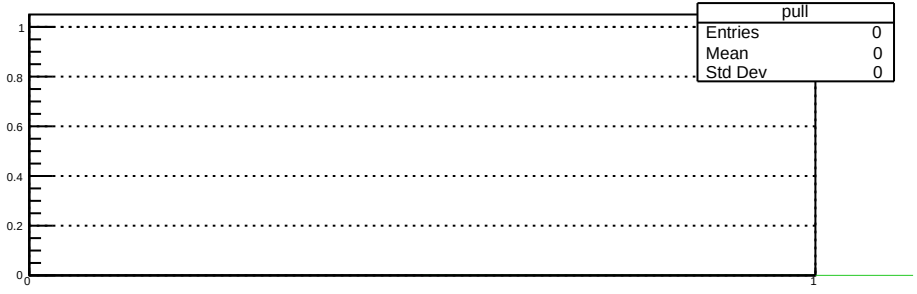

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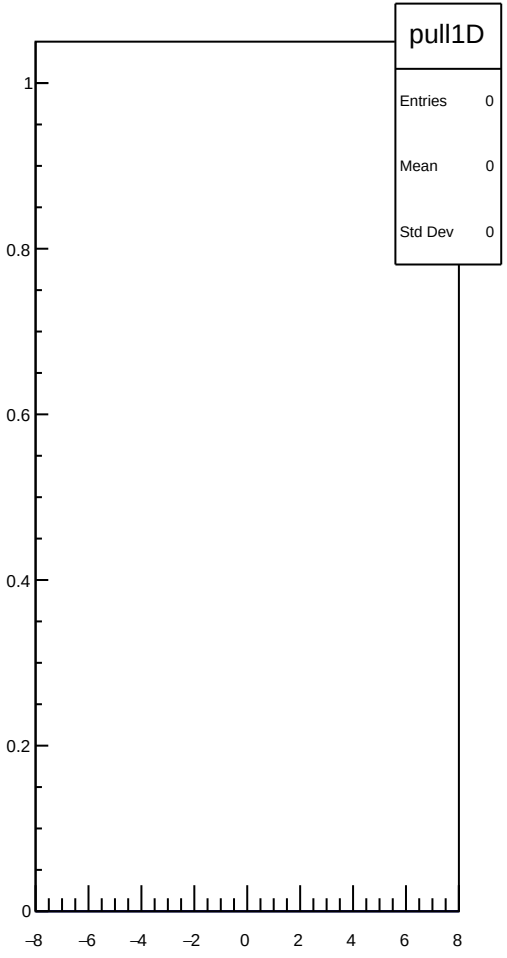

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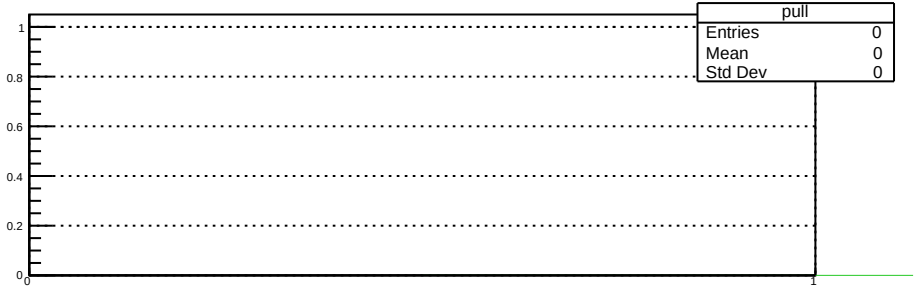

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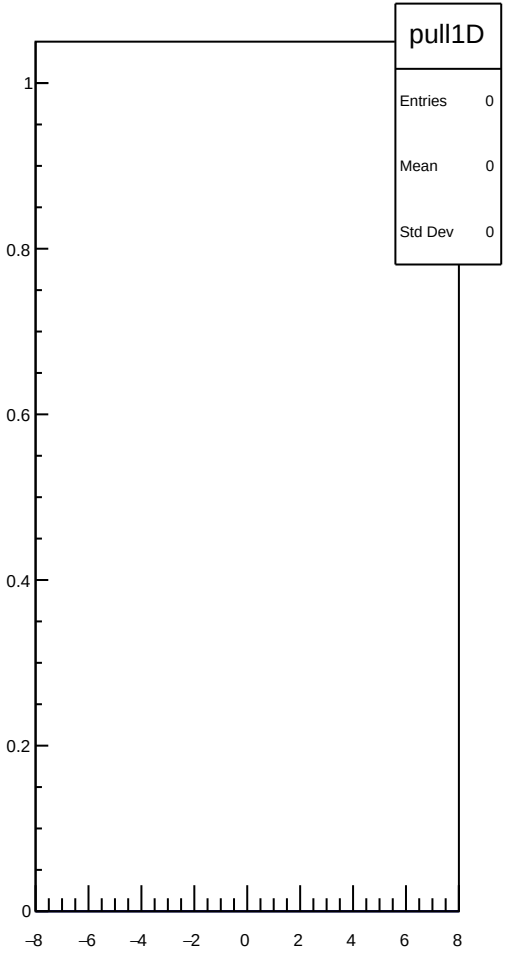

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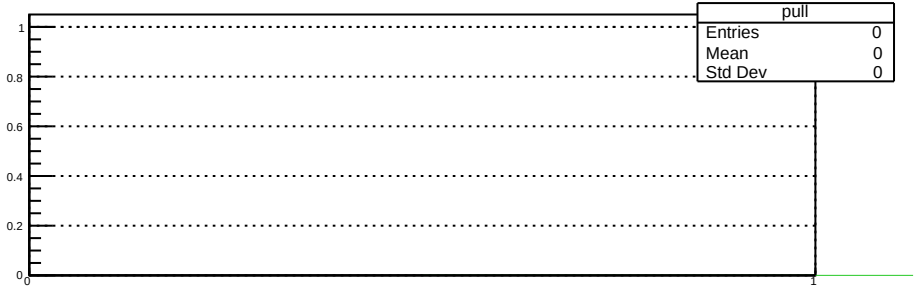

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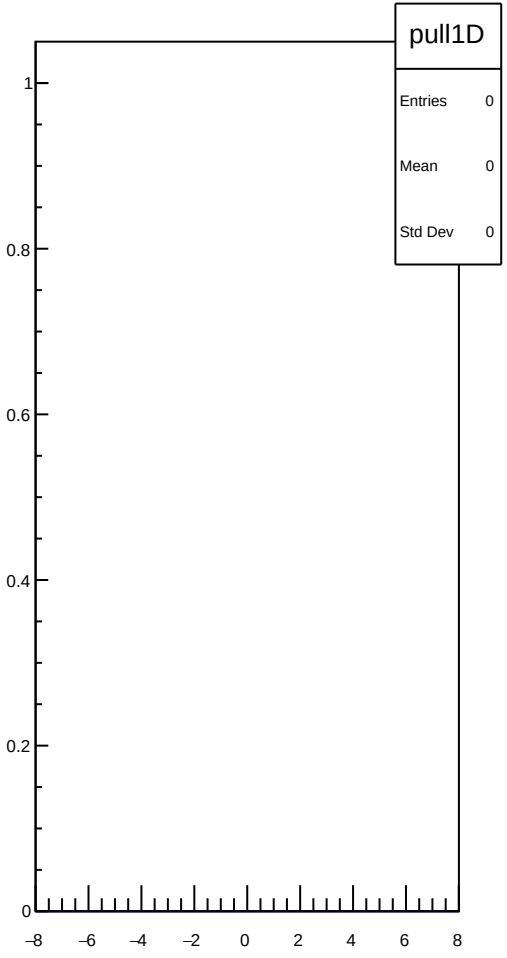

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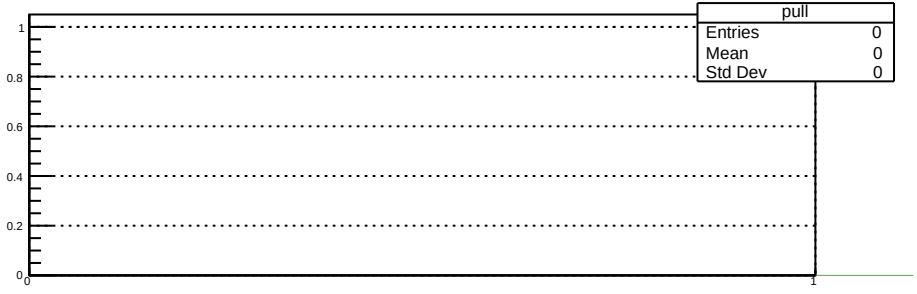

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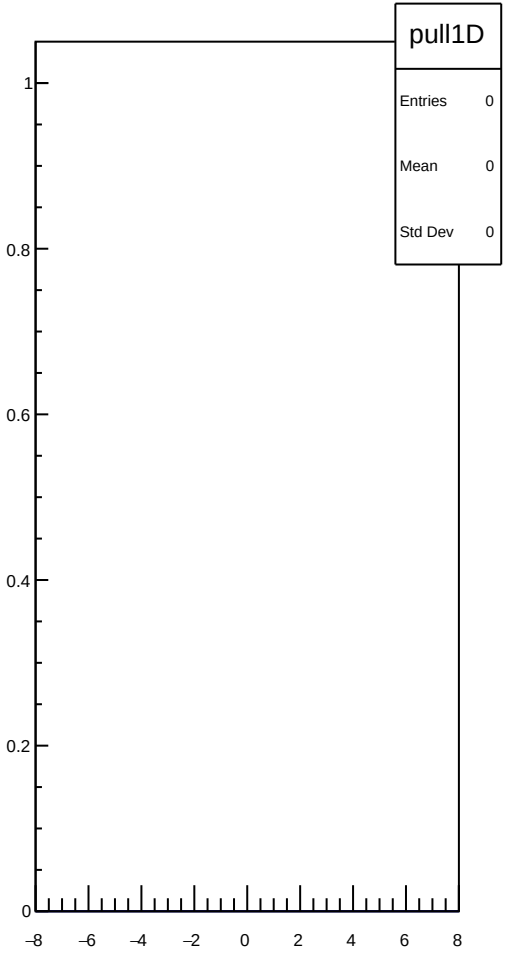

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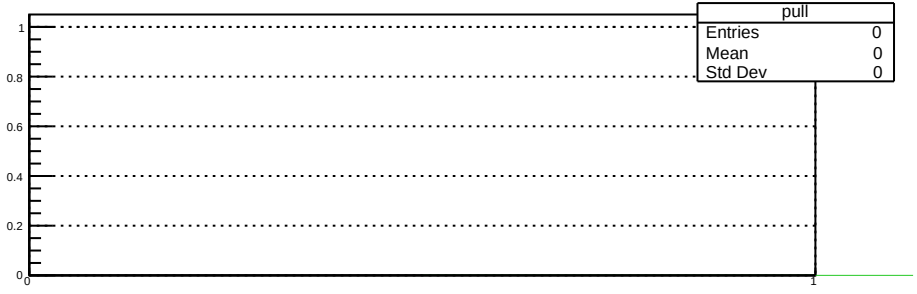

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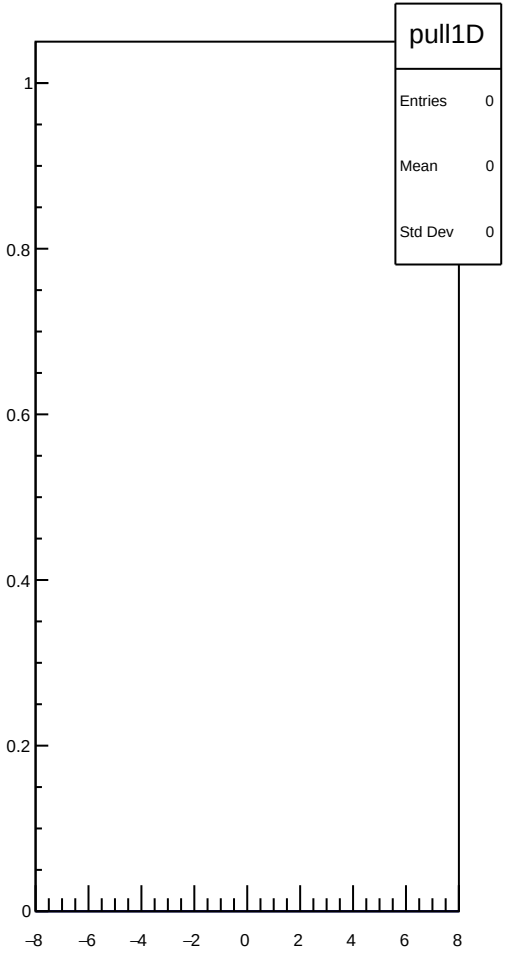

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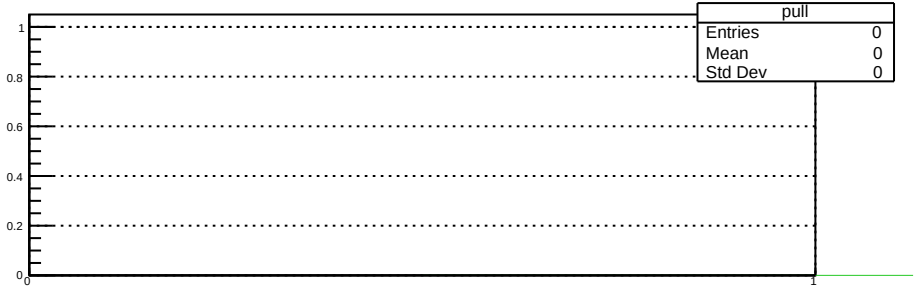

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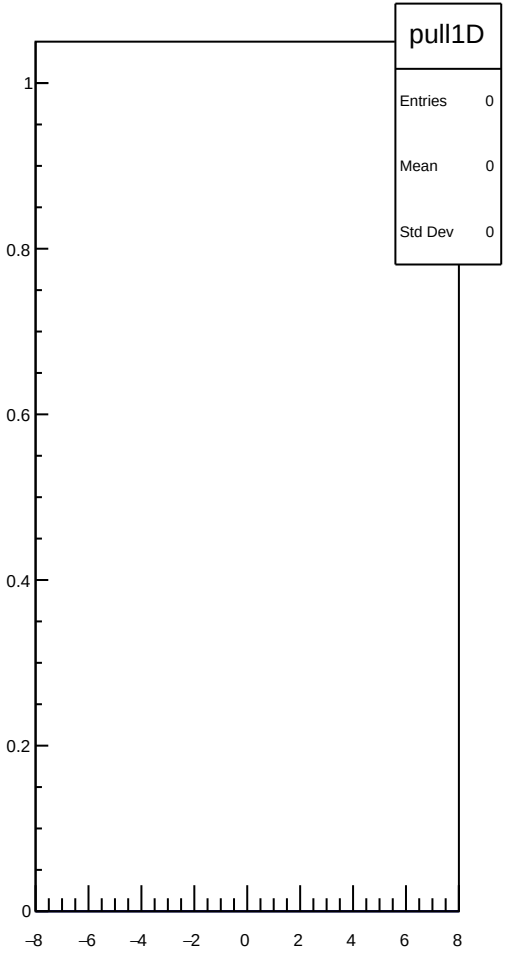

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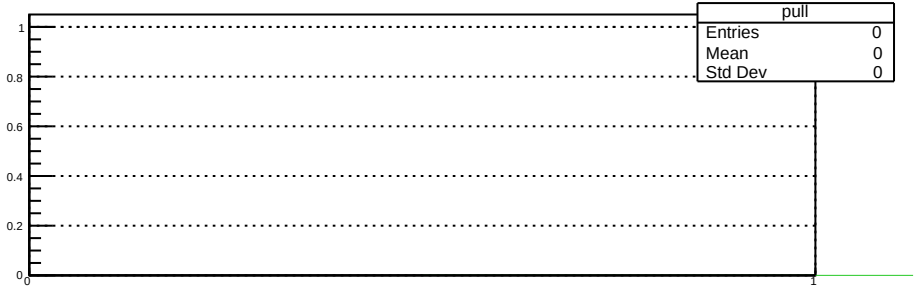

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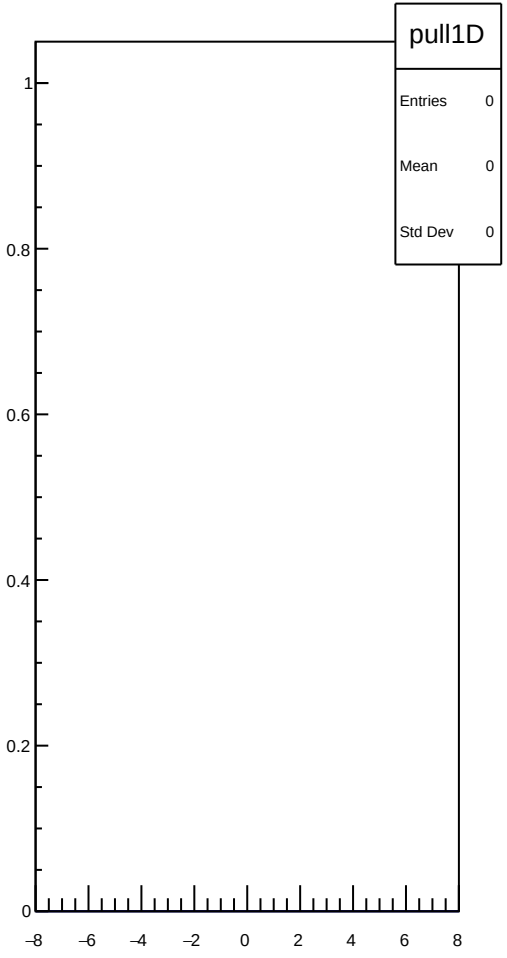

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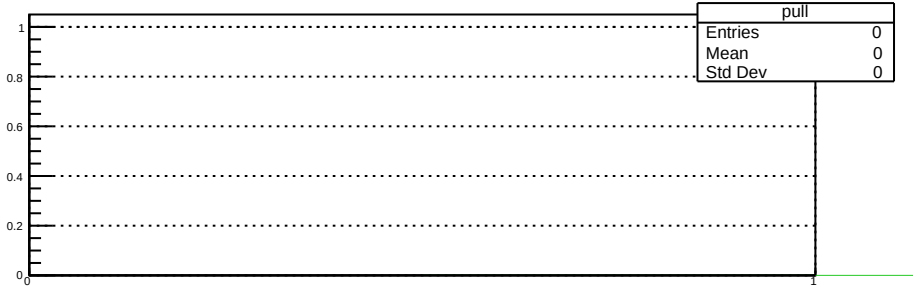

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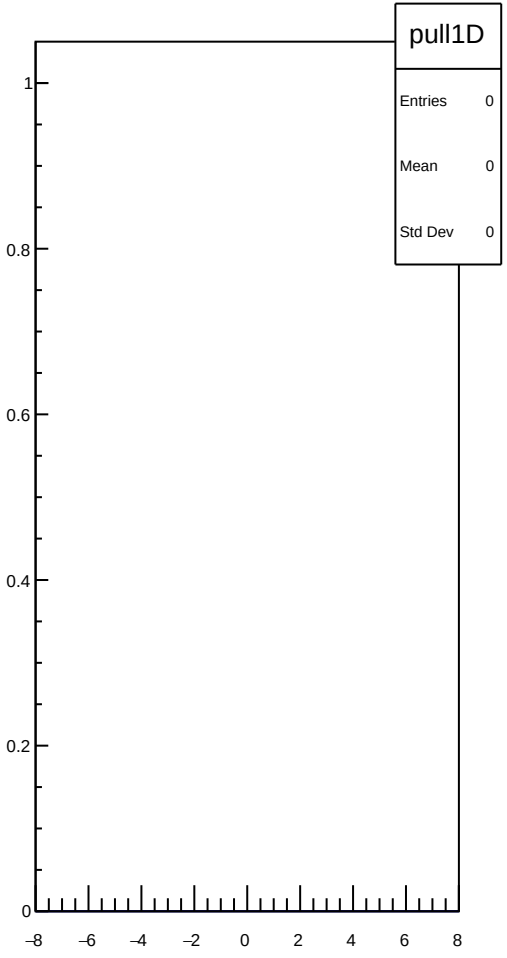

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0.8
0.6
0.4
0.2
0
0
1

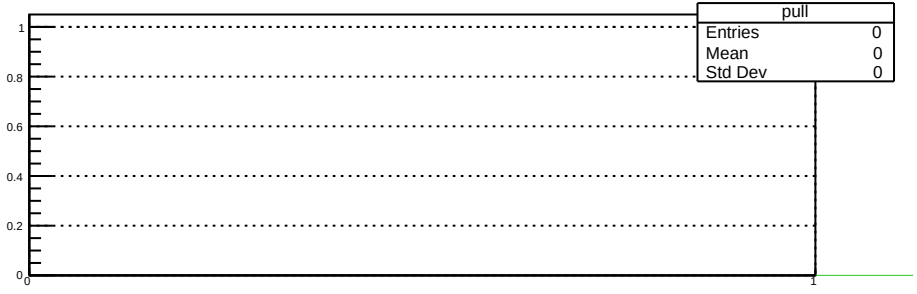

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

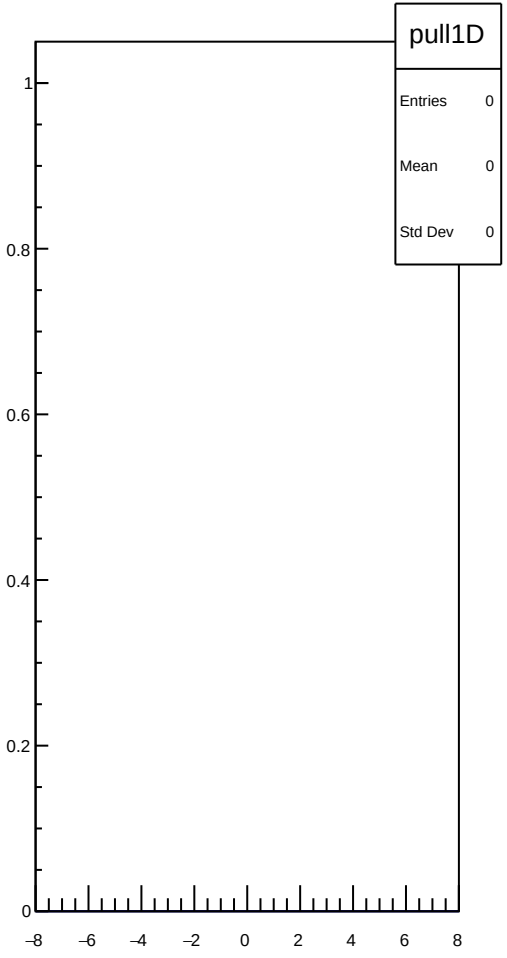

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

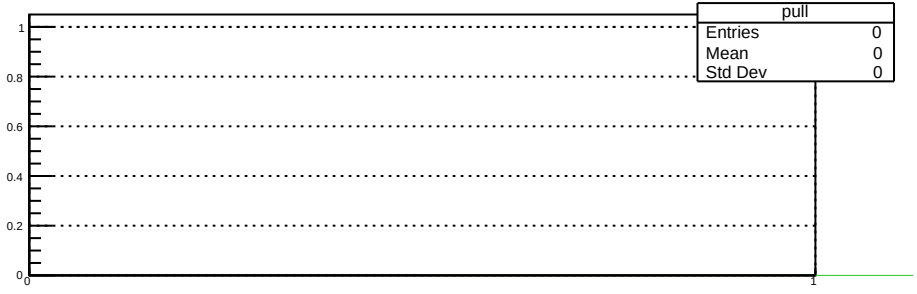

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

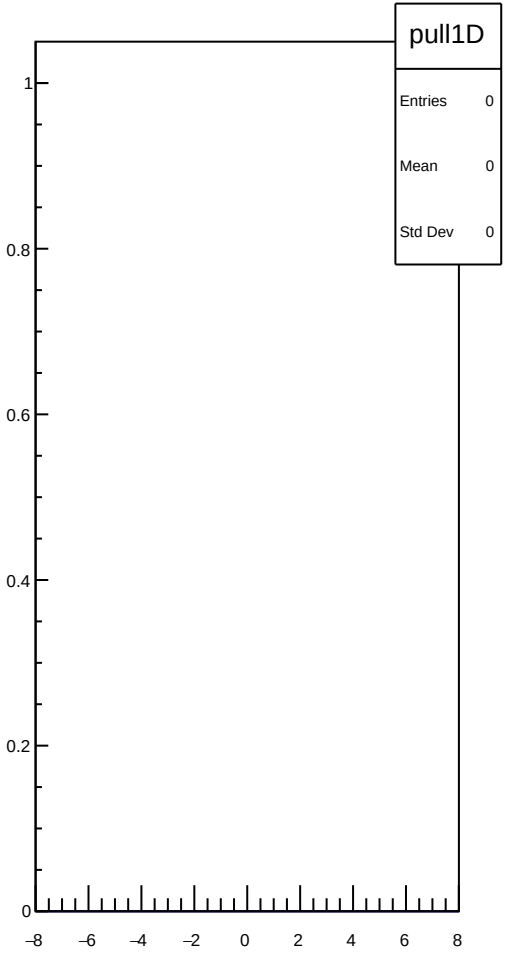

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

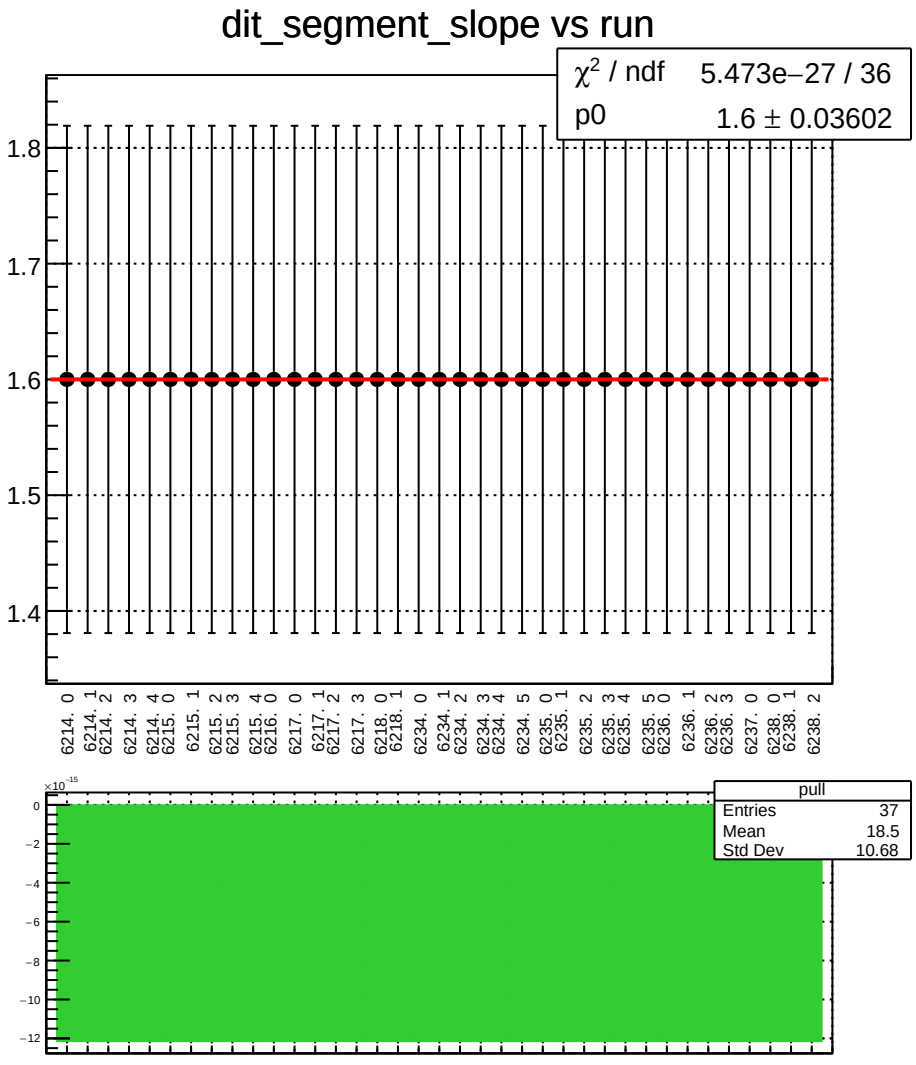

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

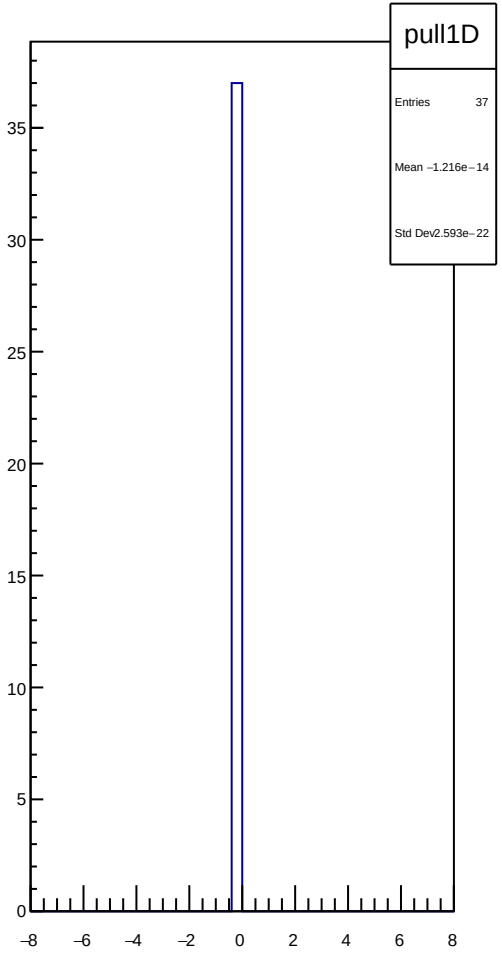

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

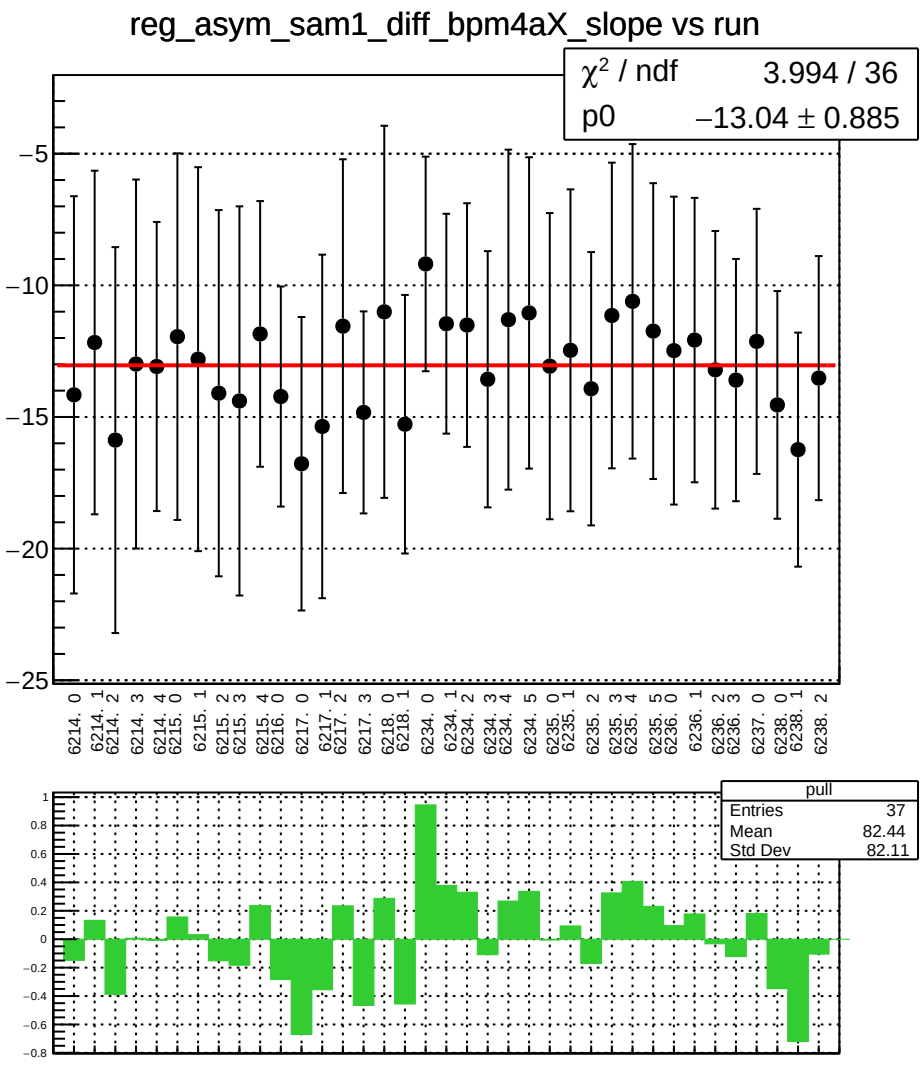

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

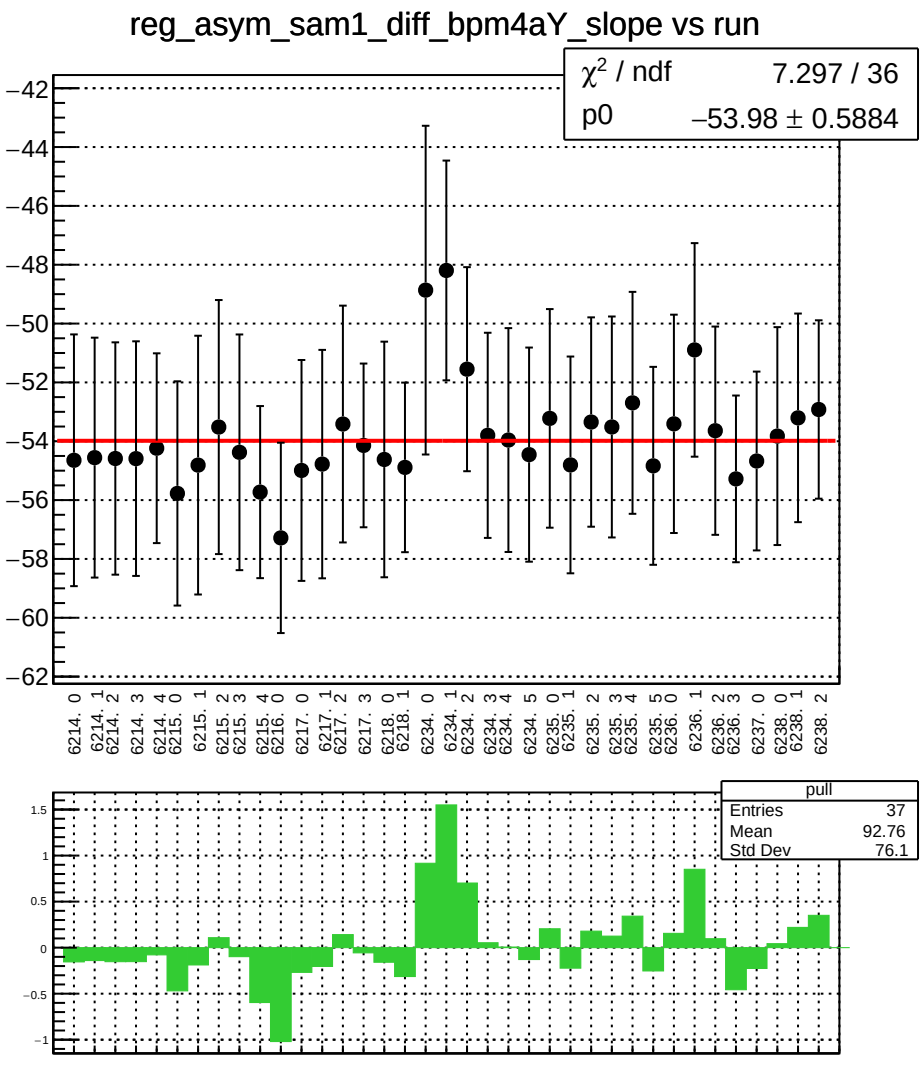

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

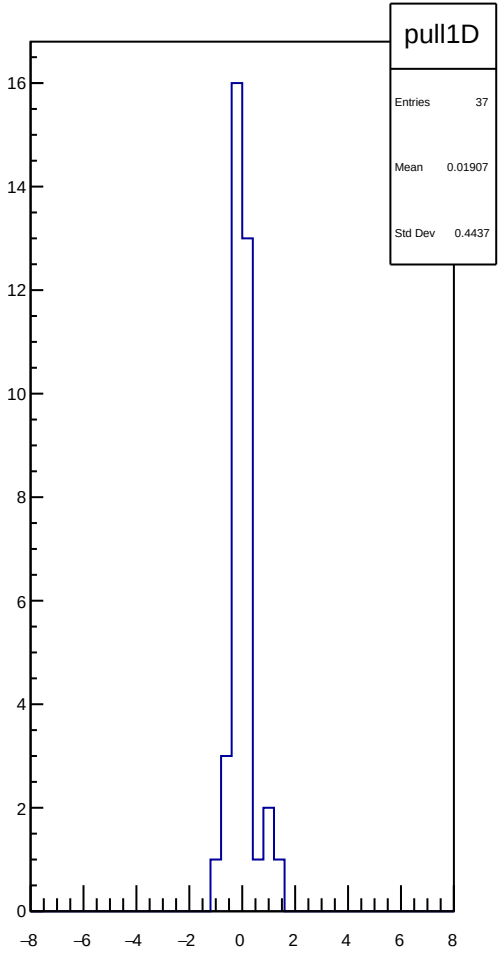

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

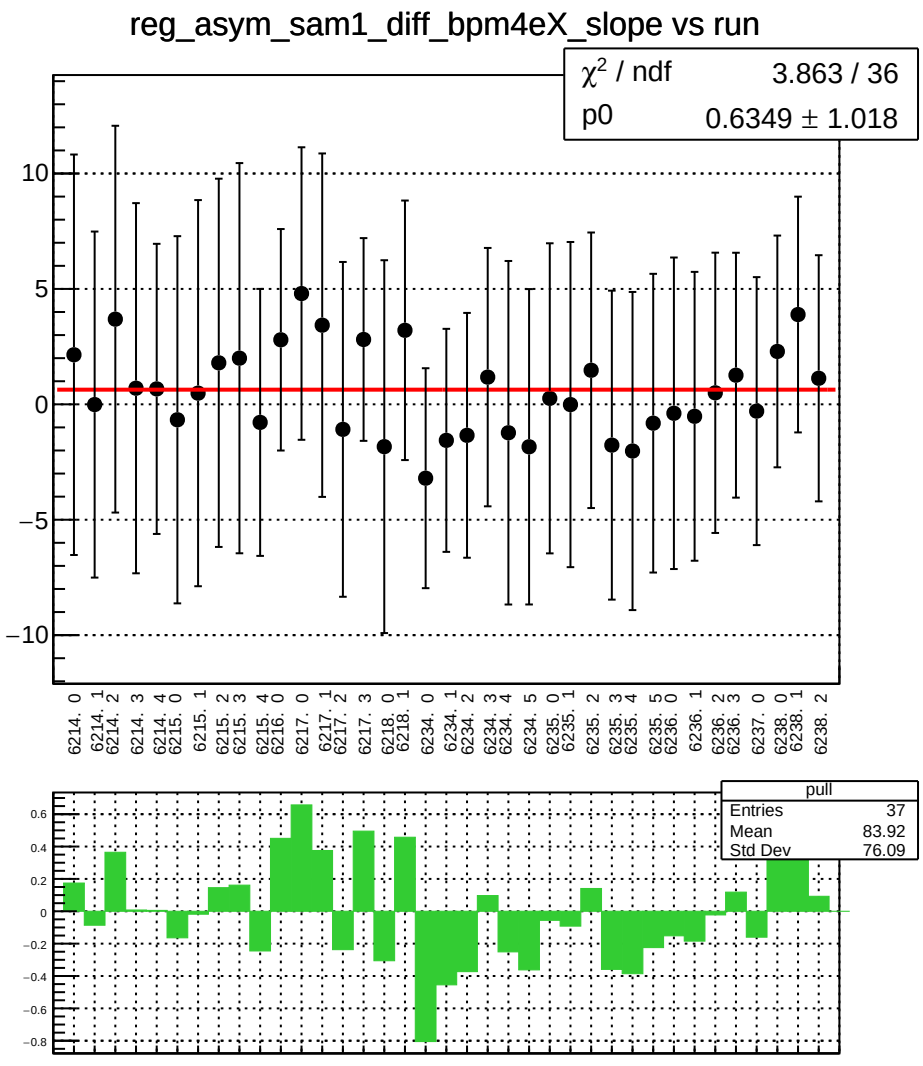

dit_segment_slope vs run
χ² / ndf 5.473e−27 / 36
p0 1.6 ± 0.03602
1.8
1.7
1.6
1.5
1.4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 37
Mean 18.5
Std Dev 10.68

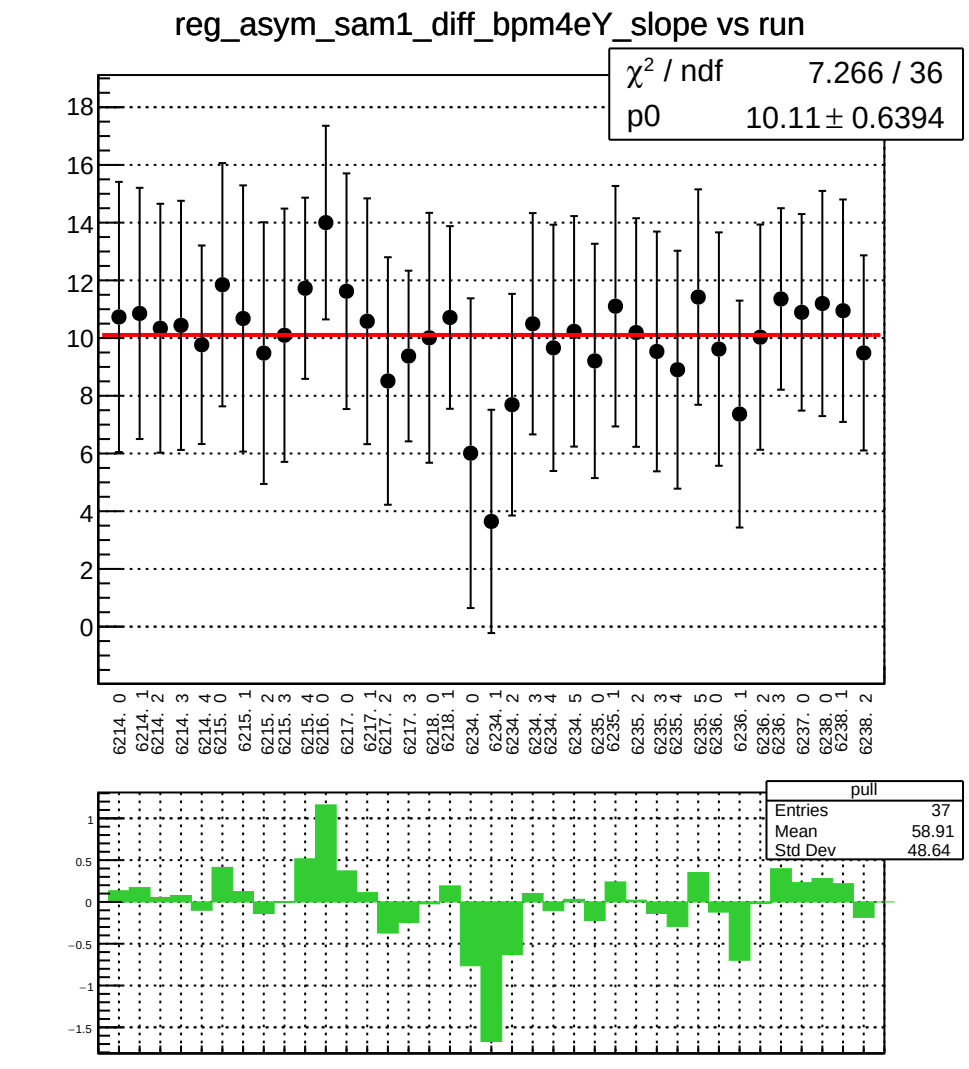

pull1D
Entries 37
Mean −1.216e−14
Std Dev 2.593e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

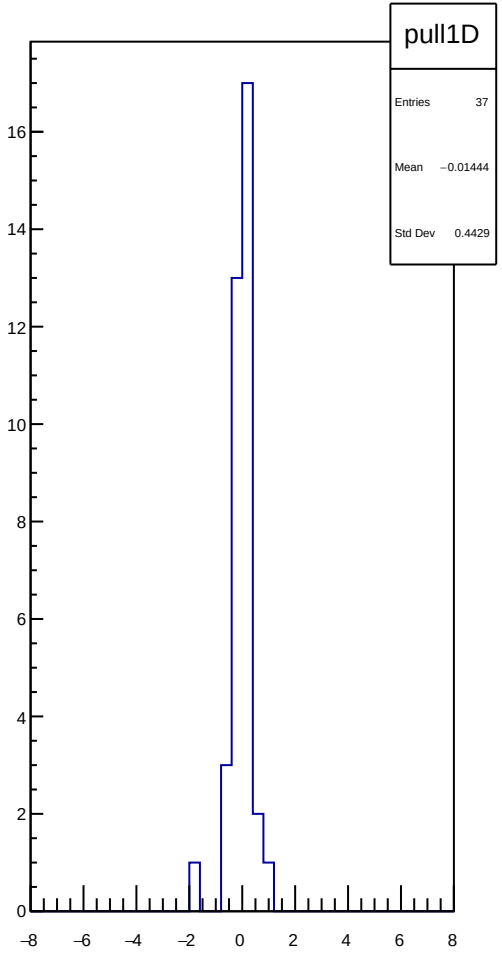

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 3.994 / 36
p0 −13.04 ± 0.885
−5
−10
−15
−20
−25
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 82.44
Std Dev 82.11
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean 0.003689
Std Dev 0.3285
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

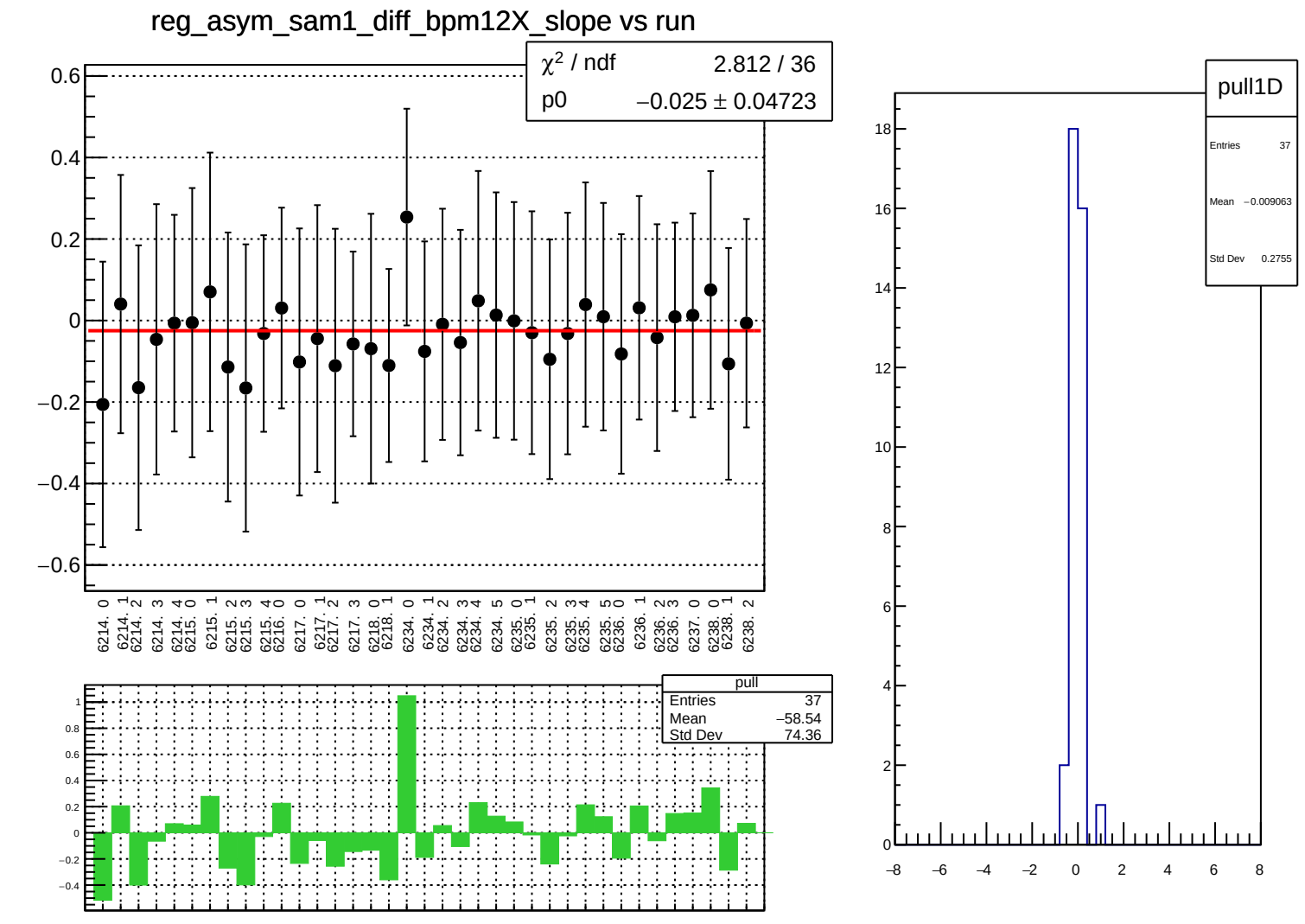

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 7.297 / 36
p0 −53.98 ± 0.5884
pull
Entries 37
Mean 92.76
Std Dev 76.1

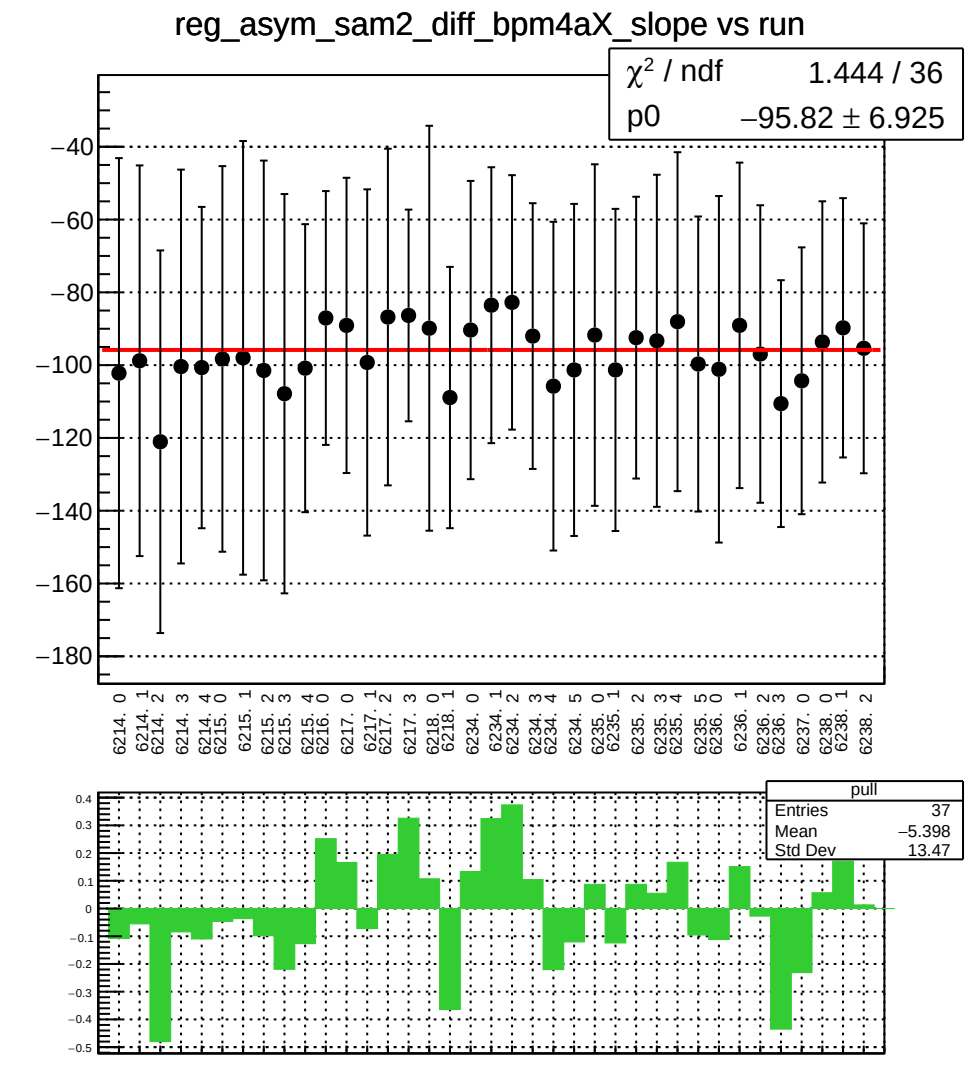

pull1D
Entries 37
Mean 0.01907
Std Dev 0.4437

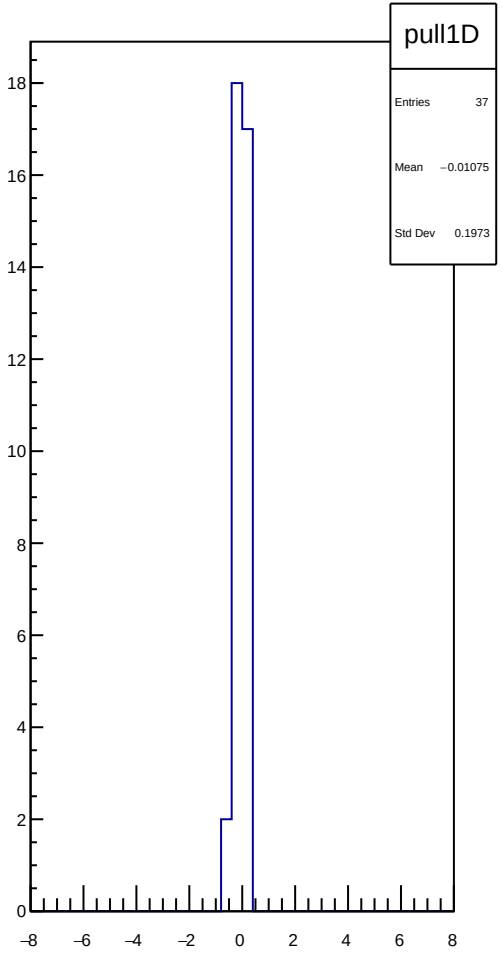

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 3.863 / 36
p0 0.6349 ± 1.018
10
5
0
−5
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 83.92
Std Dev 76.09
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.006098
Std Dev 0.323
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

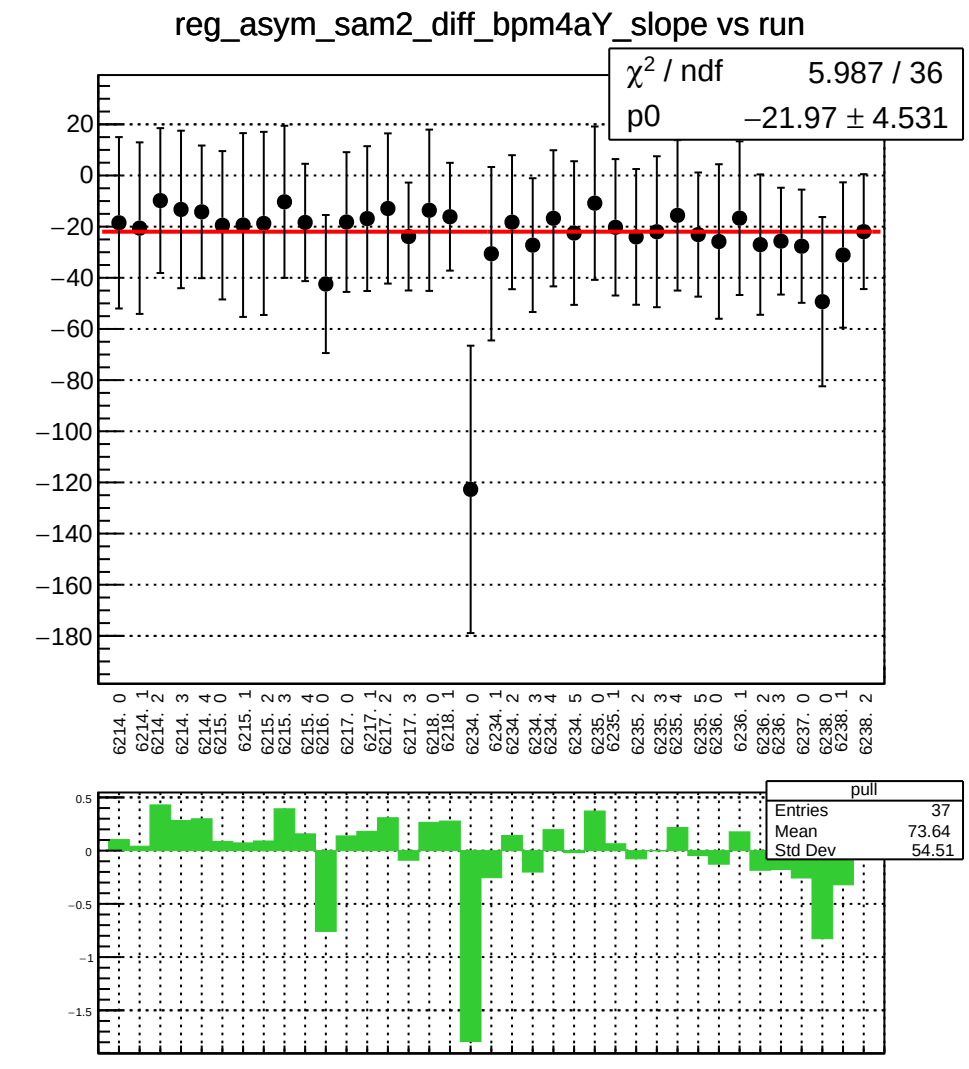

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 7.266 / 36
p0 10.11 ± 0.6394
pull
Entries 37
Mean 58.91
Std Dev 48.64

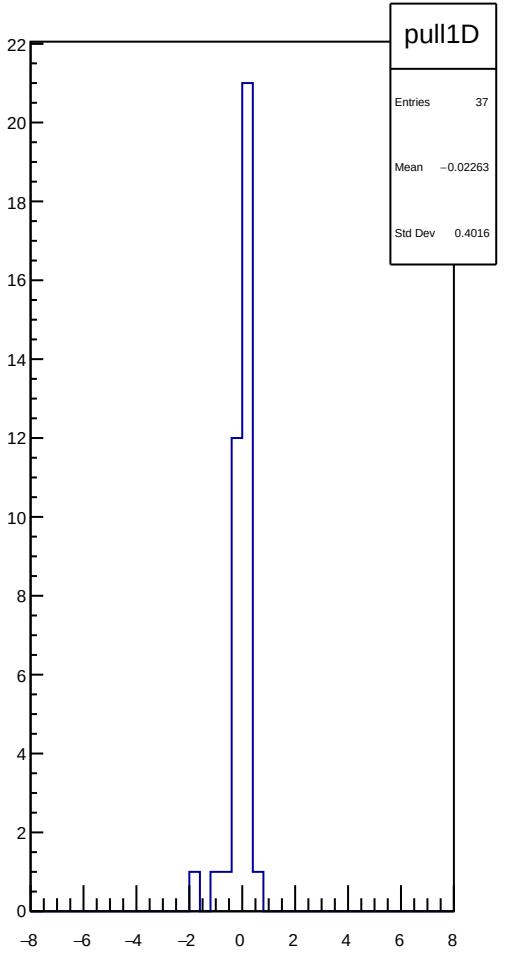

pull1D
Entries 37
Mean −0.01444
Std Dev 0.4429

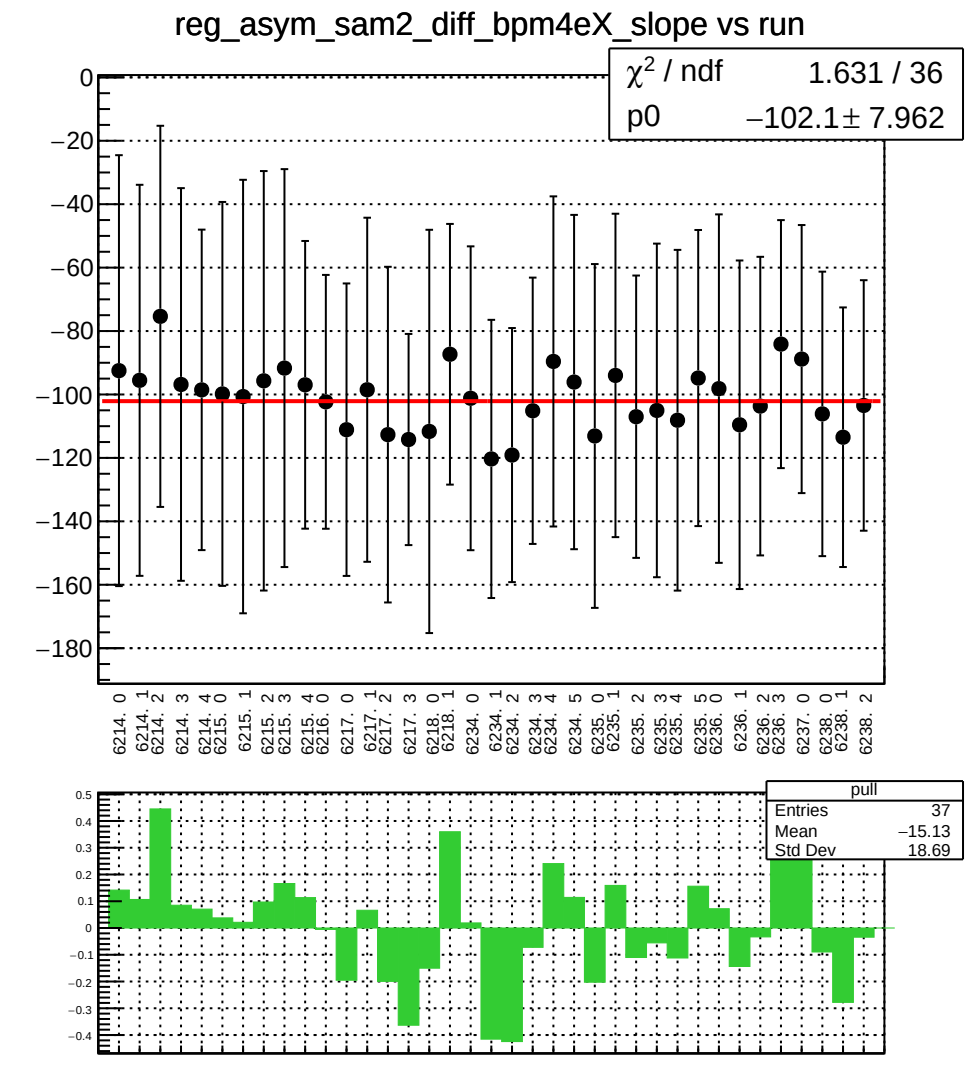

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.812 / 36
p0 −0.025 ± 0.04723
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −58.54
Std Dev 74.36
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.009063
Std Dev 0.2755
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

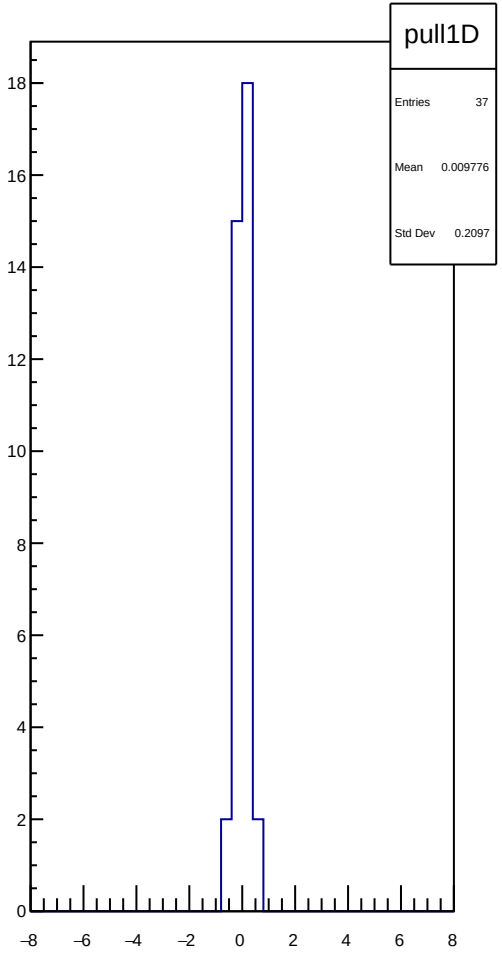

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 1.444 / 36
p0 −95.82 ± 6.925
−40
−60
−80
−100
−120
−140
−160
−180
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −5.398
Std Dev 13.47
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

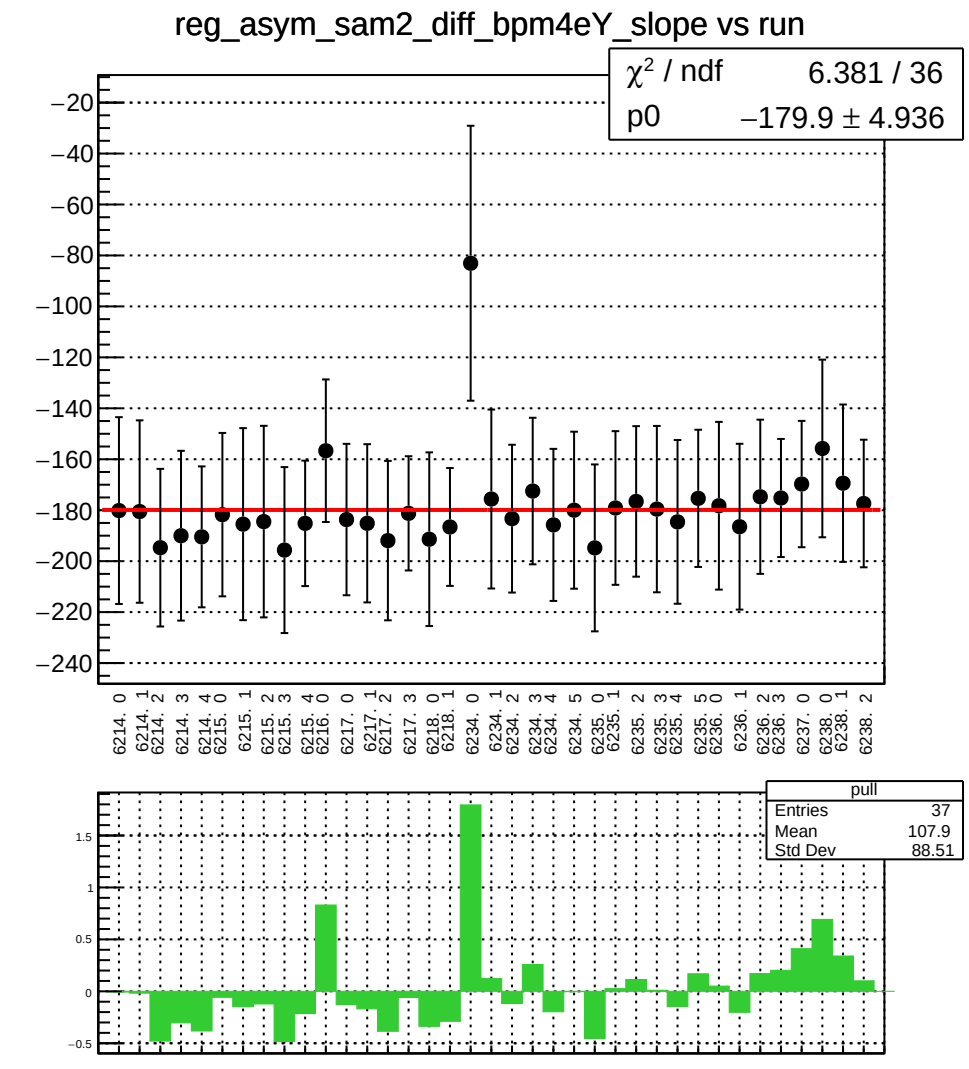

pull1D
Entries 37
Mean −0.01075
Std Dev 0.1973
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

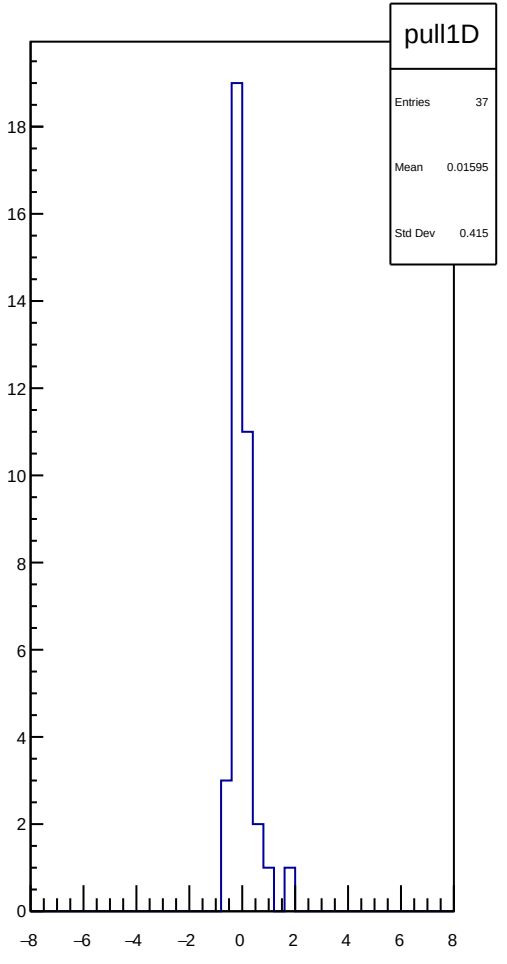

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 5.987 / 36
p0 −21.97 ± 4.531
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 73.64
Std Dev 54.51
0.5
0
−0.5
−1
−1.5

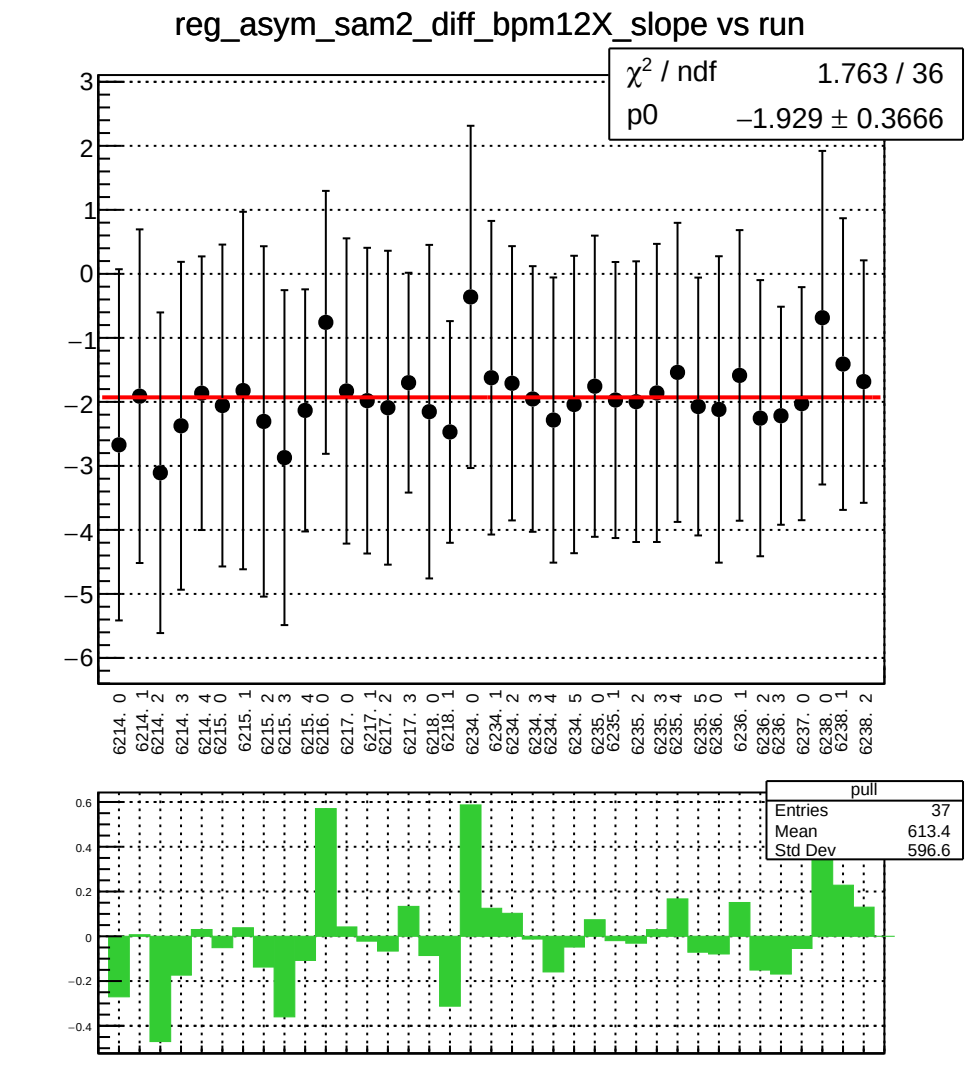

pull1D
Entries 37
Mean −0.02263
Std Dev 0.4016
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

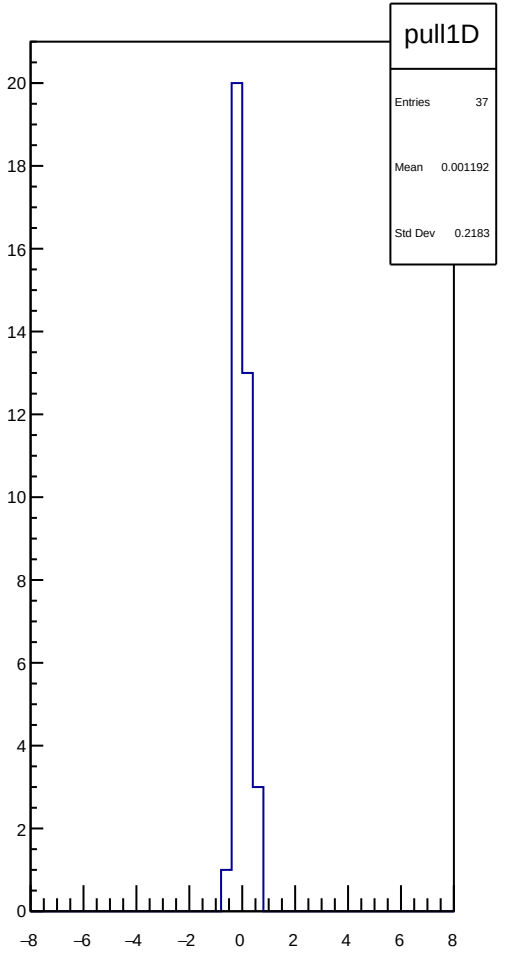

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.631 / 36
p0 −102.1± 7.962
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −15.13
Std Dev 18.69
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

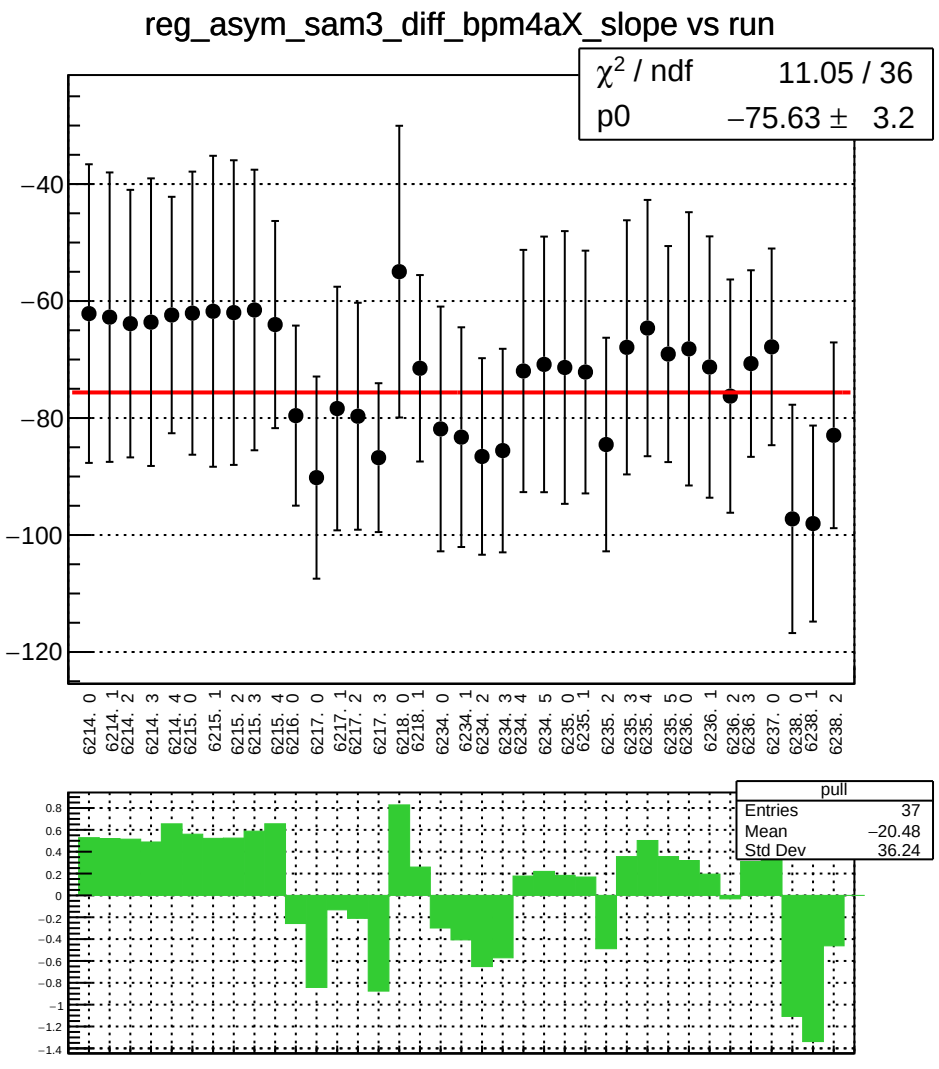

pull1D
Entries 37
Mean 0.009776
Std Dev 0.2097
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

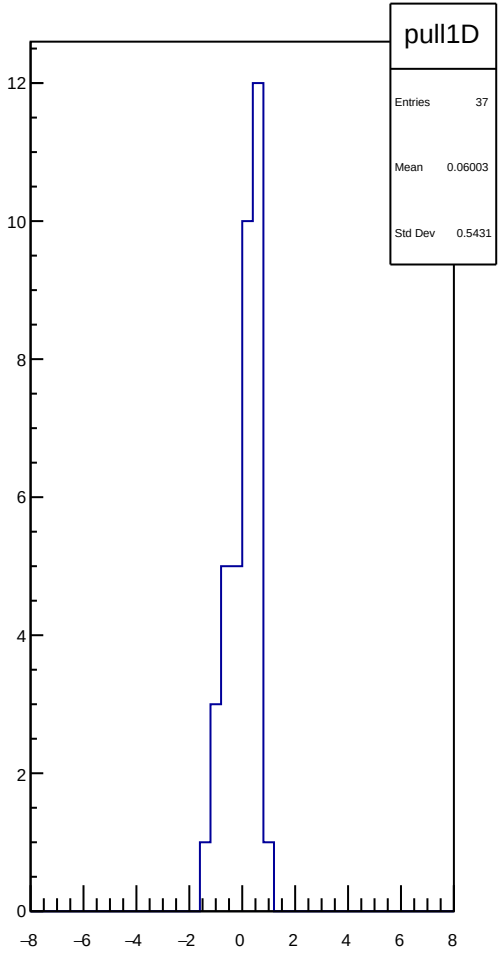

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 6.381 / 36
p0 −179.9 ± 4.936
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
−240
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 107.9
Std Dev 88.51
1.5
1
0.5
0
−0.5

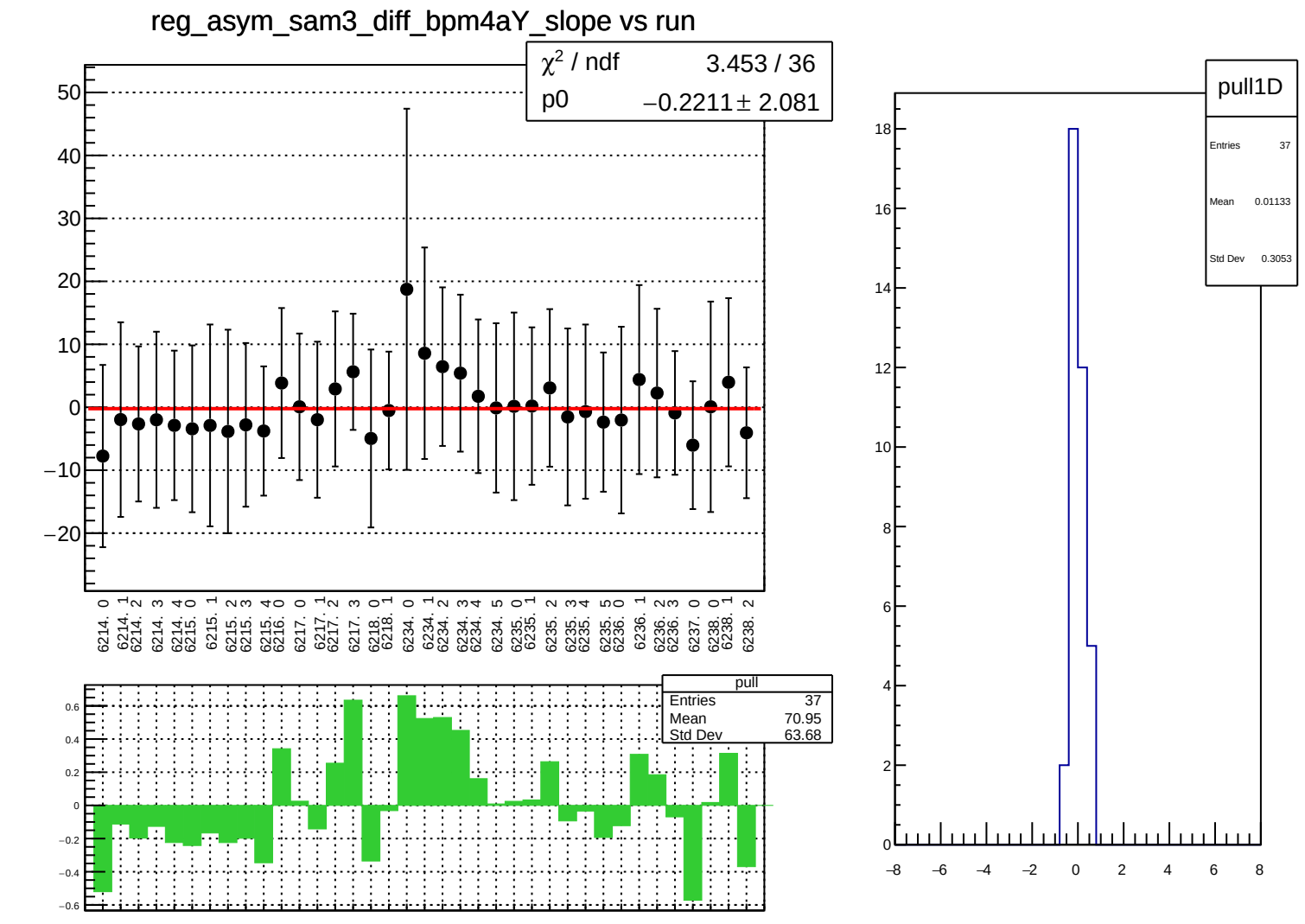

pull1D
Entries 37
Mean 0.01595
Std Dev 0.415
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

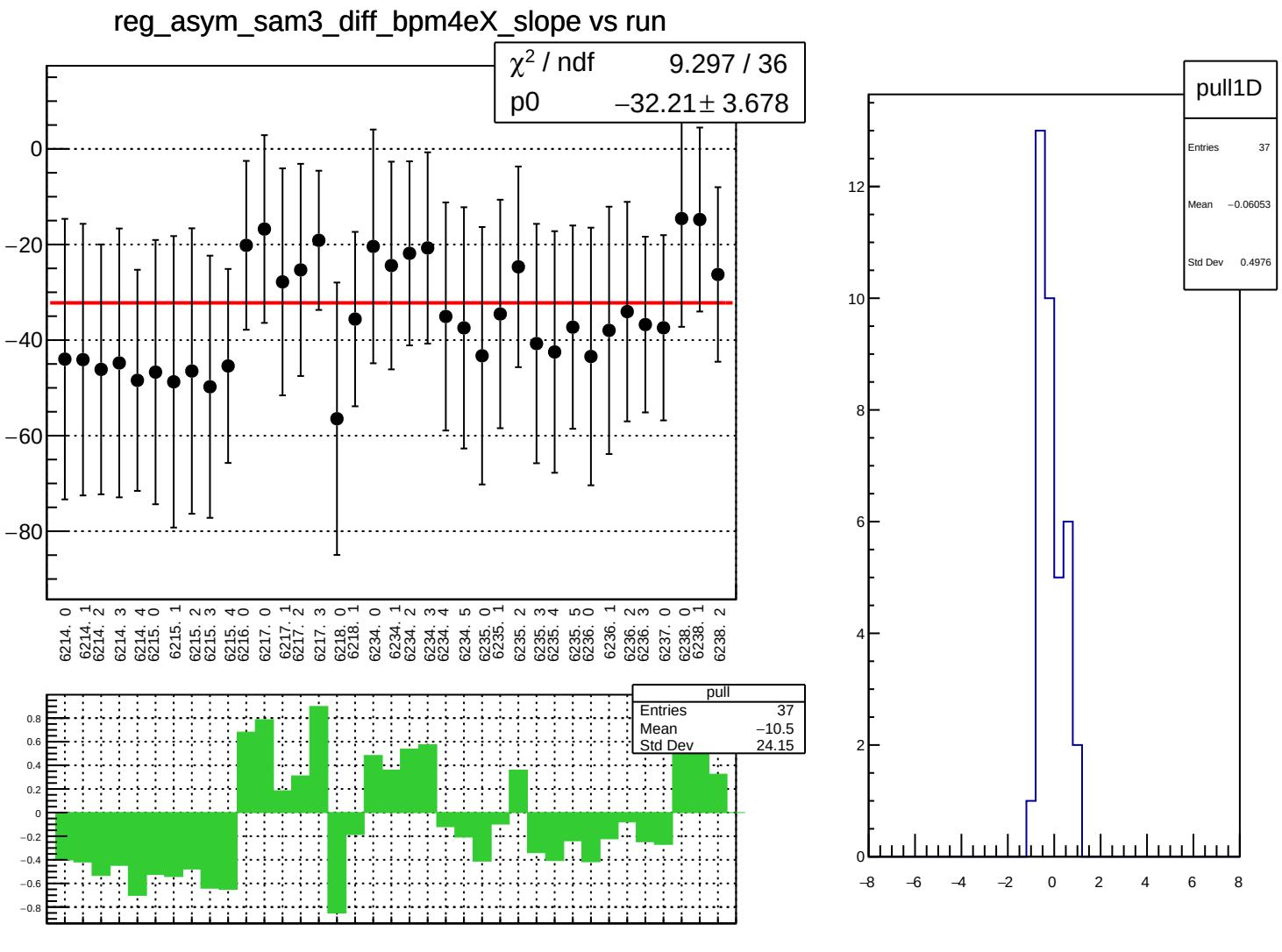

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.763 / 36
p0 −1.929 ± 0.3666
3
2
1
0
−1
−2
−3
−4
−5
−6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 613.4
Std Dev 596.6
0.6
0.4
0.2
0
−0.2
−0.4

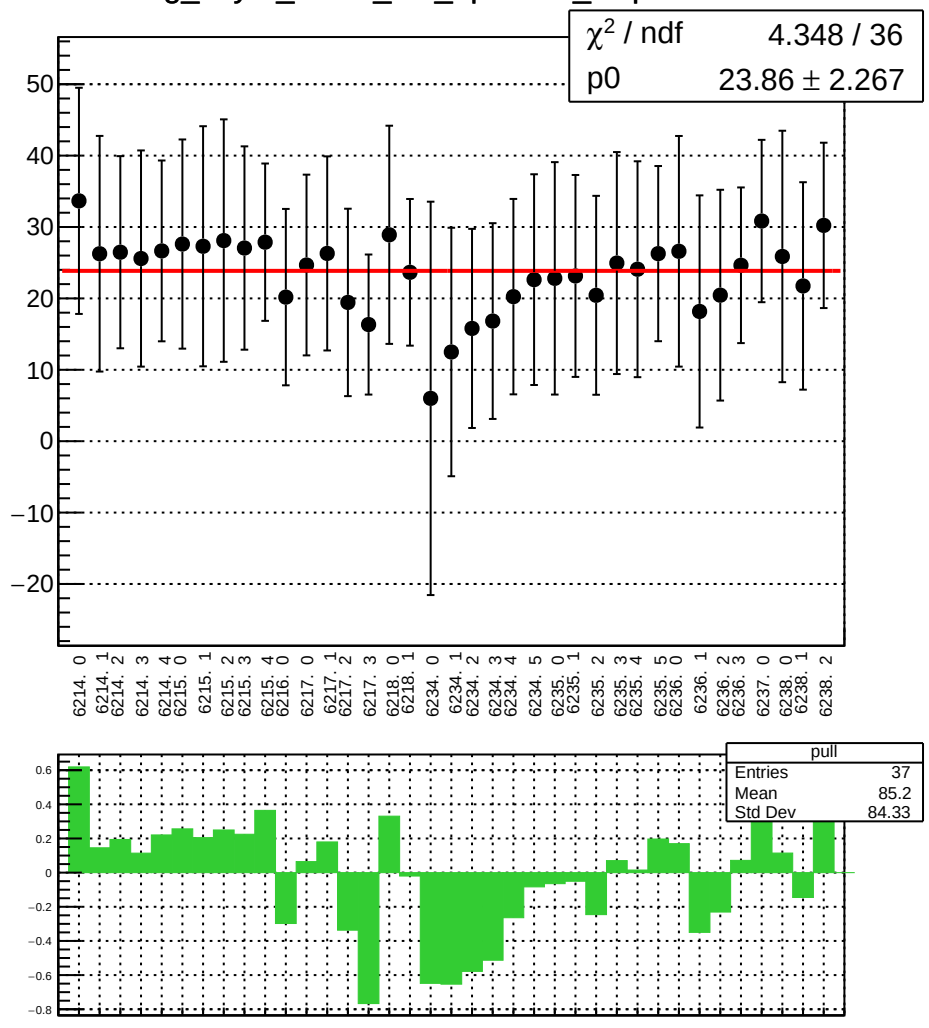

pull1D
Entries 37
Mean 0.001192
Std Dev 0.2183
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

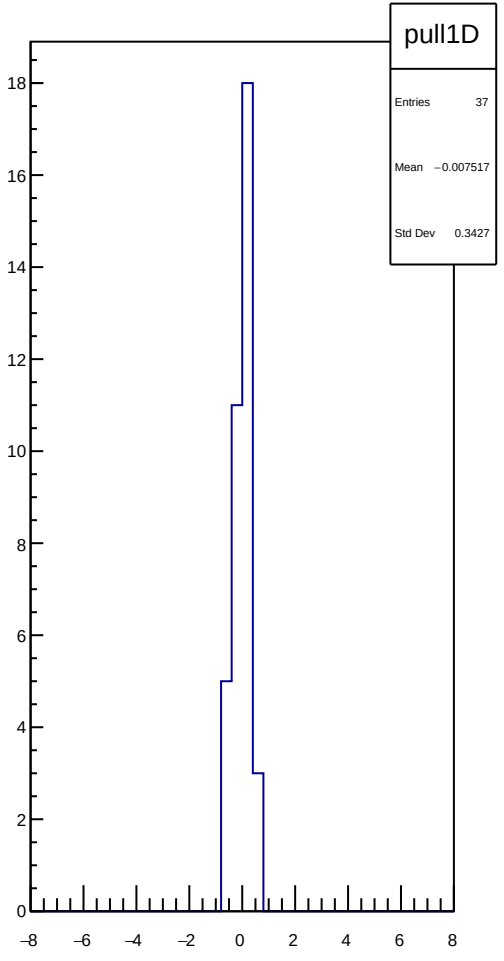

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 11.05 / 36
p0 −75.63 ± 3.2
−40
−60
−80
−100
−120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −20.48
Std Dev 36.24
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

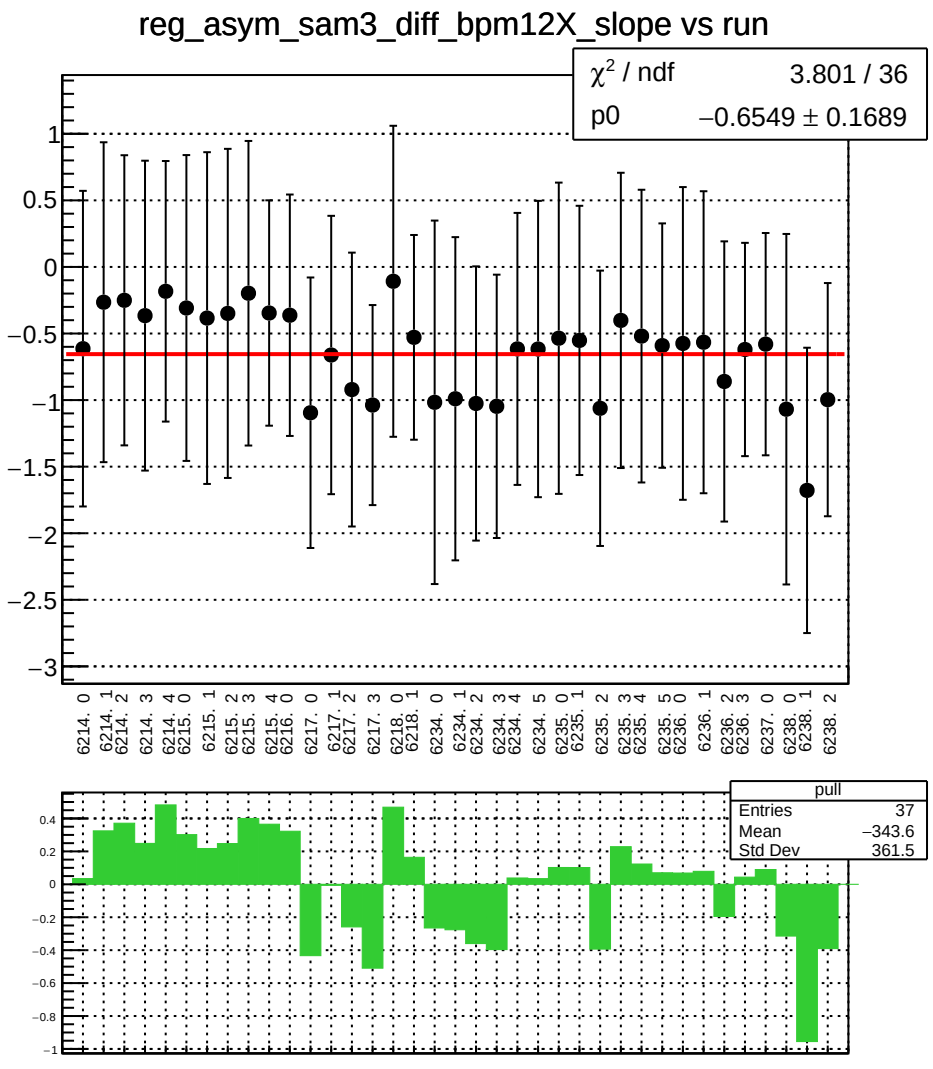

pull1D
Entries 37
Mean 0.06003
Std Dev 0.5431
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

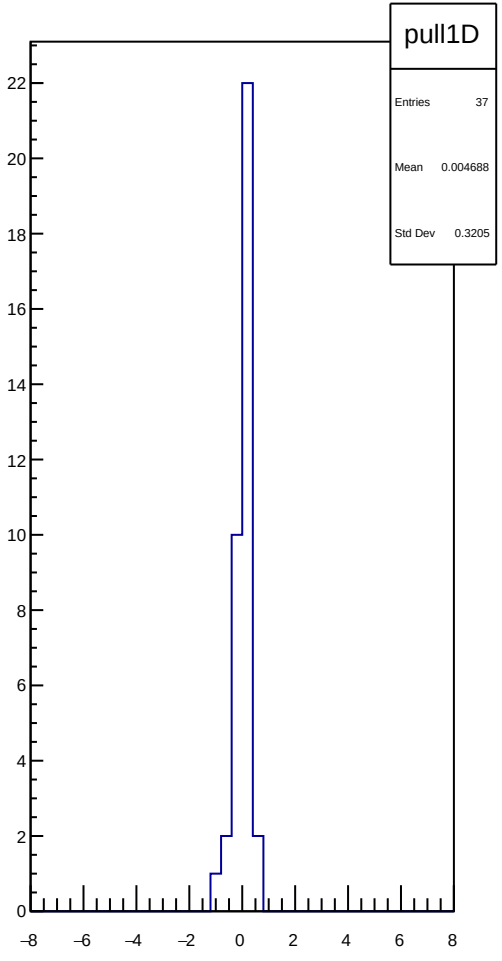

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.453 / 36
p0 −0.2211 ± 2.081
50
40
30
20
10
0
−10
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 70.95
Std Dev 63.68
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean 0.01133
Std Dev 0.3053
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

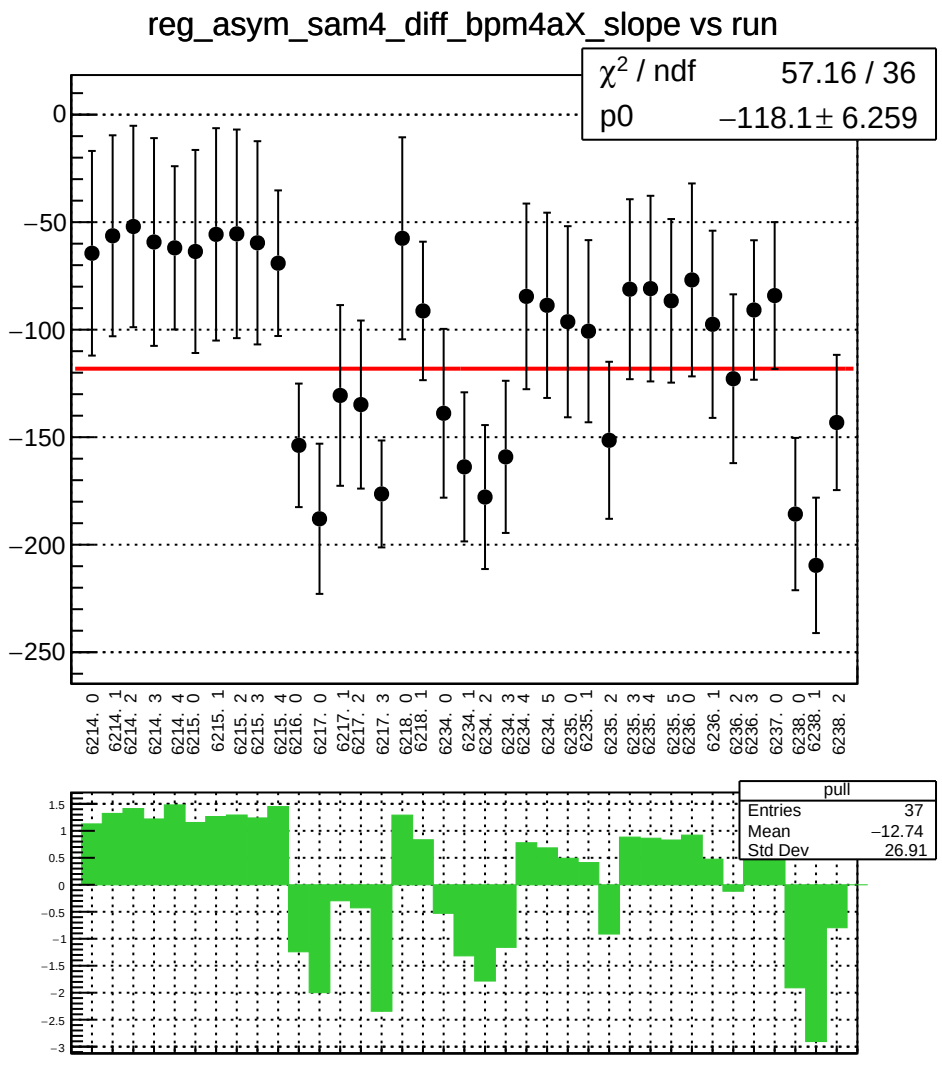

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 9.297 / 36
p0 −32.21± 3.678
0
−20
−40
−60
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −10.5
Std Dev 24.15
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.06053
Std Dev 0.4976
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

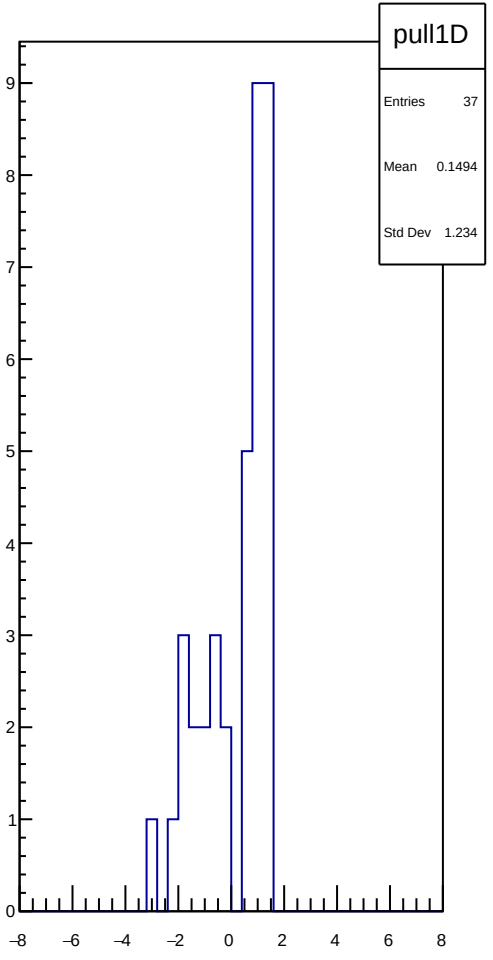

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.348 / 36
p0 23.86 ± 2.267
pull
Entries 37
Mean 85.2
Std Dev 84.33

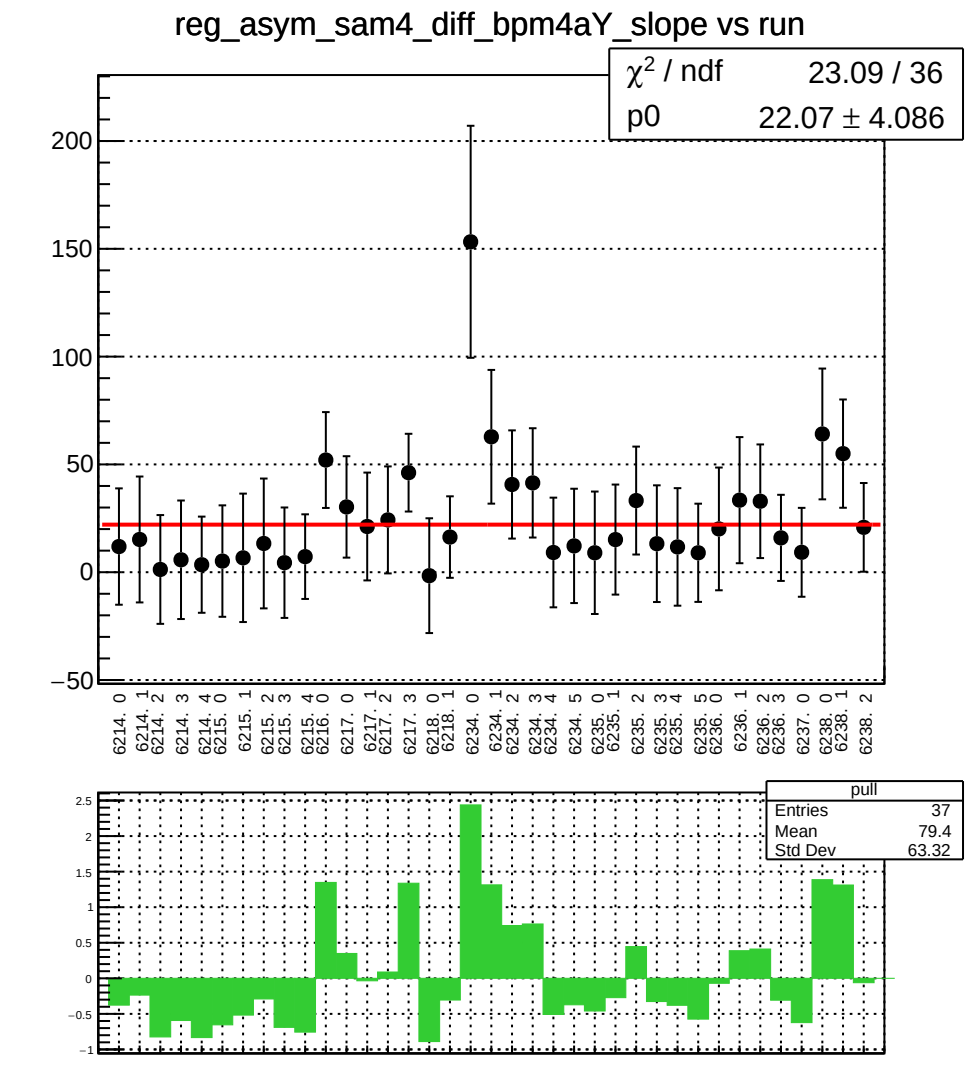

pull1D
Entries 37
Mean −0.007517
Std Dev 0.3427

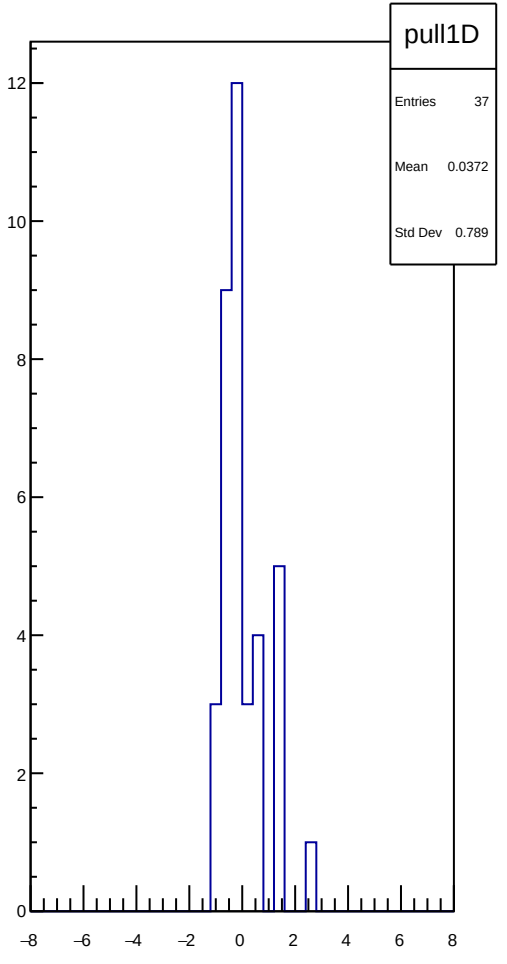

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 3.801 / 36
p0 −0.6549 ± 0.1689
pull
Entries 37
Mean −343.6
Std Dev 361.5

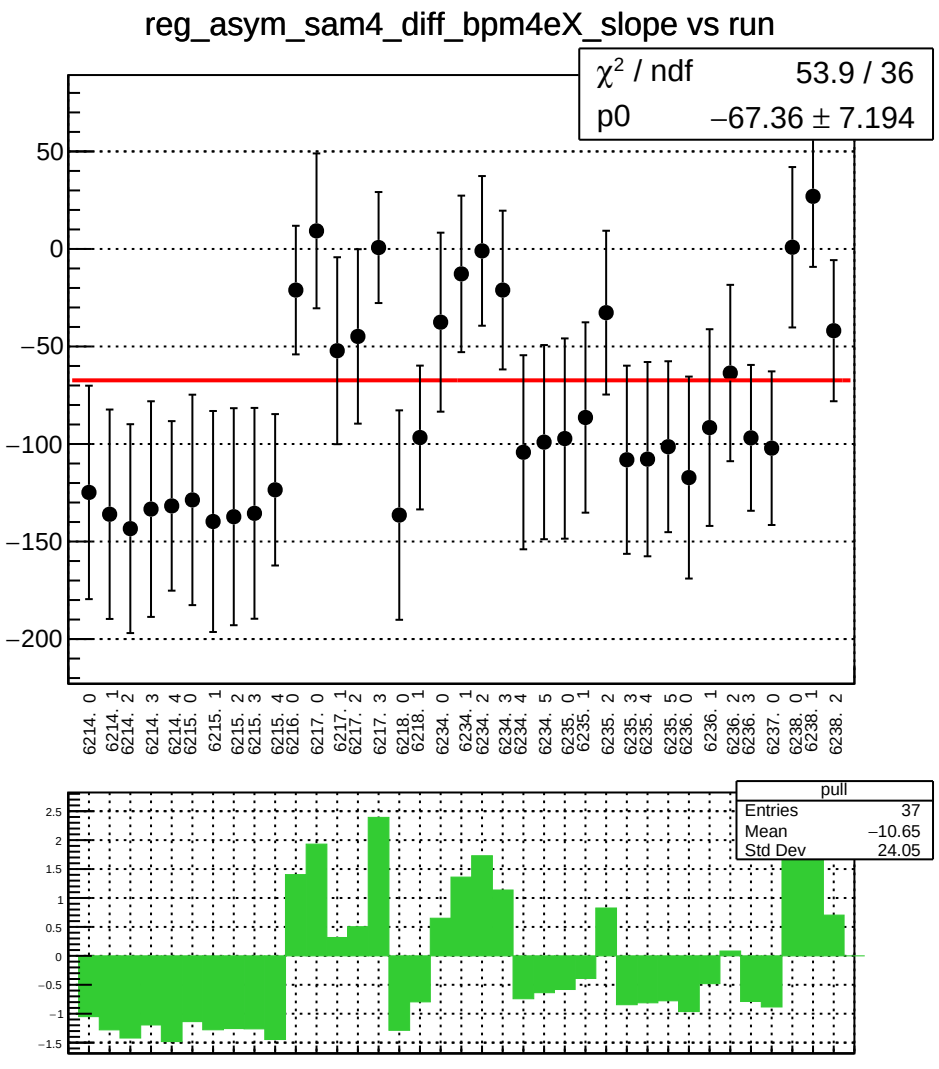

pull1D
Entries 37
Mean 0.004688
Std Dev 0.3205

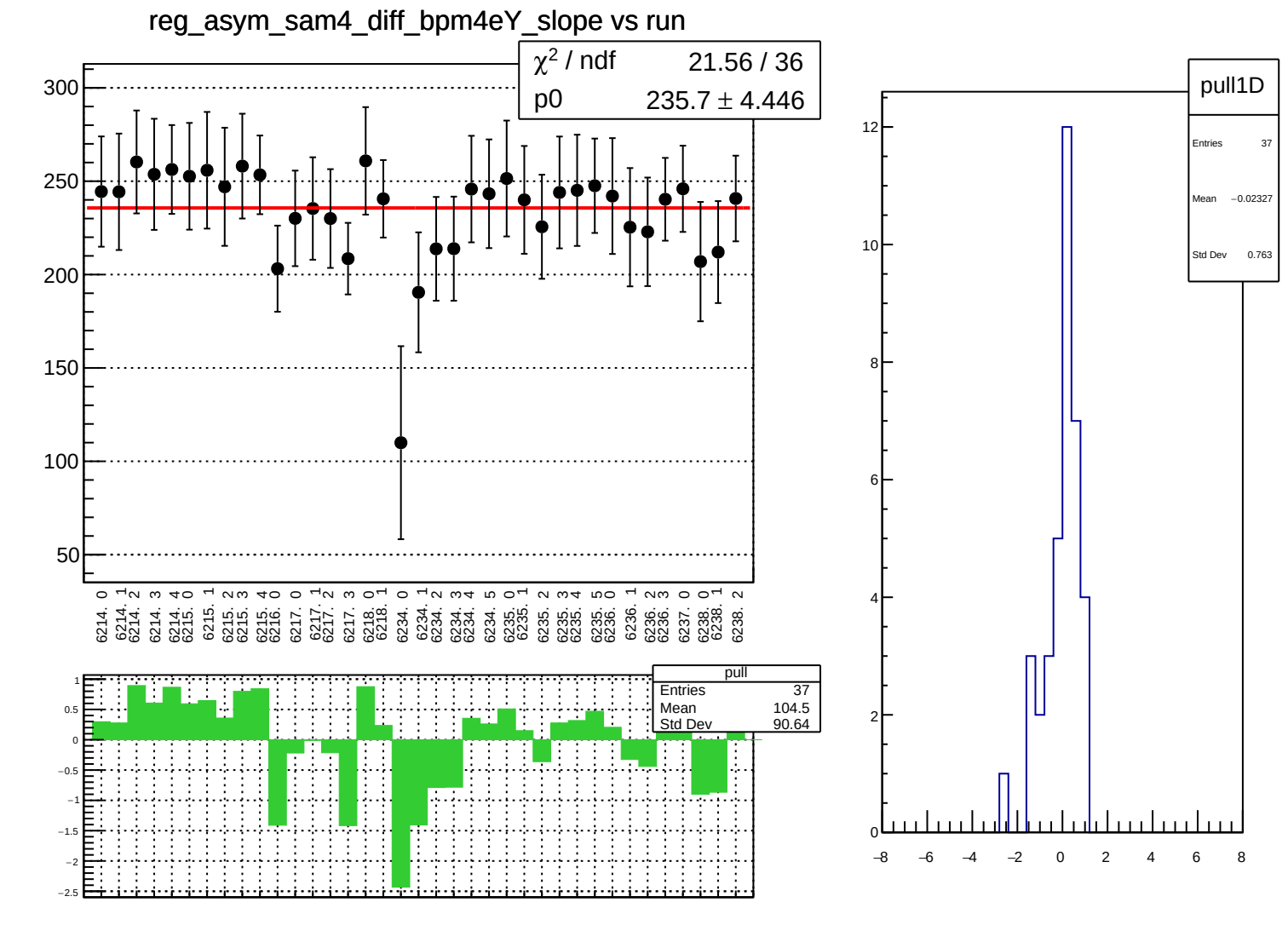

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 57.16 / 36
p0 −118.1± 6.259
0
−50
−100
−150
−200
−250
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −12.74
Std Dev 26.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

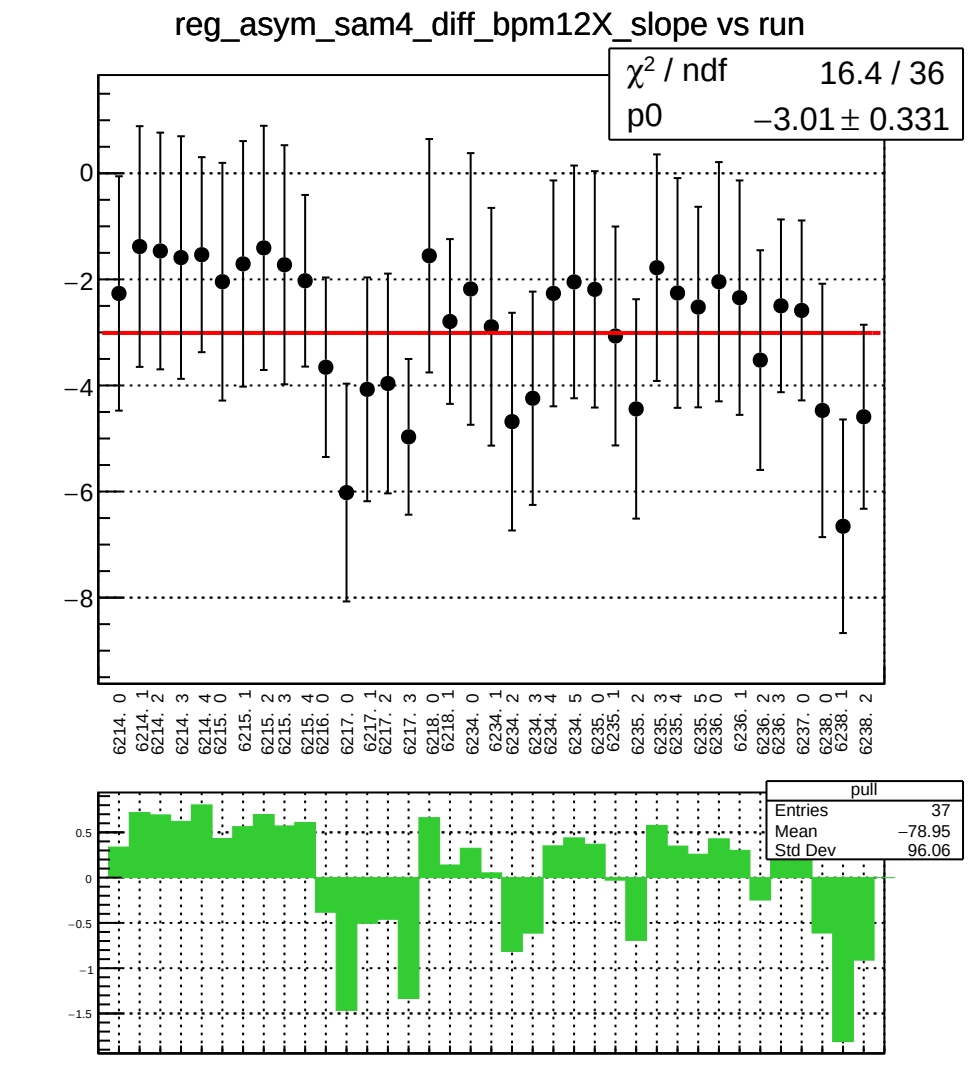

pull1D
Entries 37
Mean 0.1494
Std Dev 1.234
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

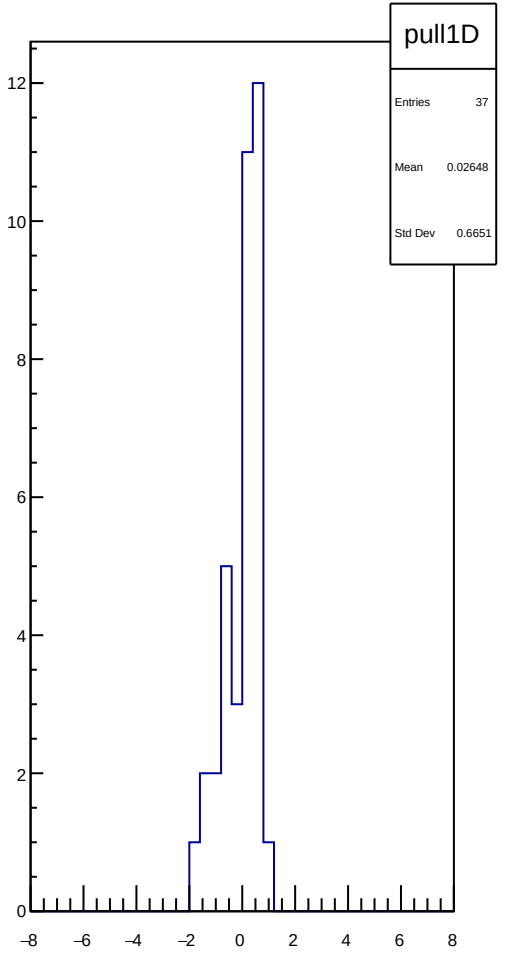

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 23.09 / 36
p0 22.07 ± 4.086
200
150
100
50
0
−50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 79.4
Std Dev 63.32
2.5
2
1.5
1
0.5
0
−0.5
−1

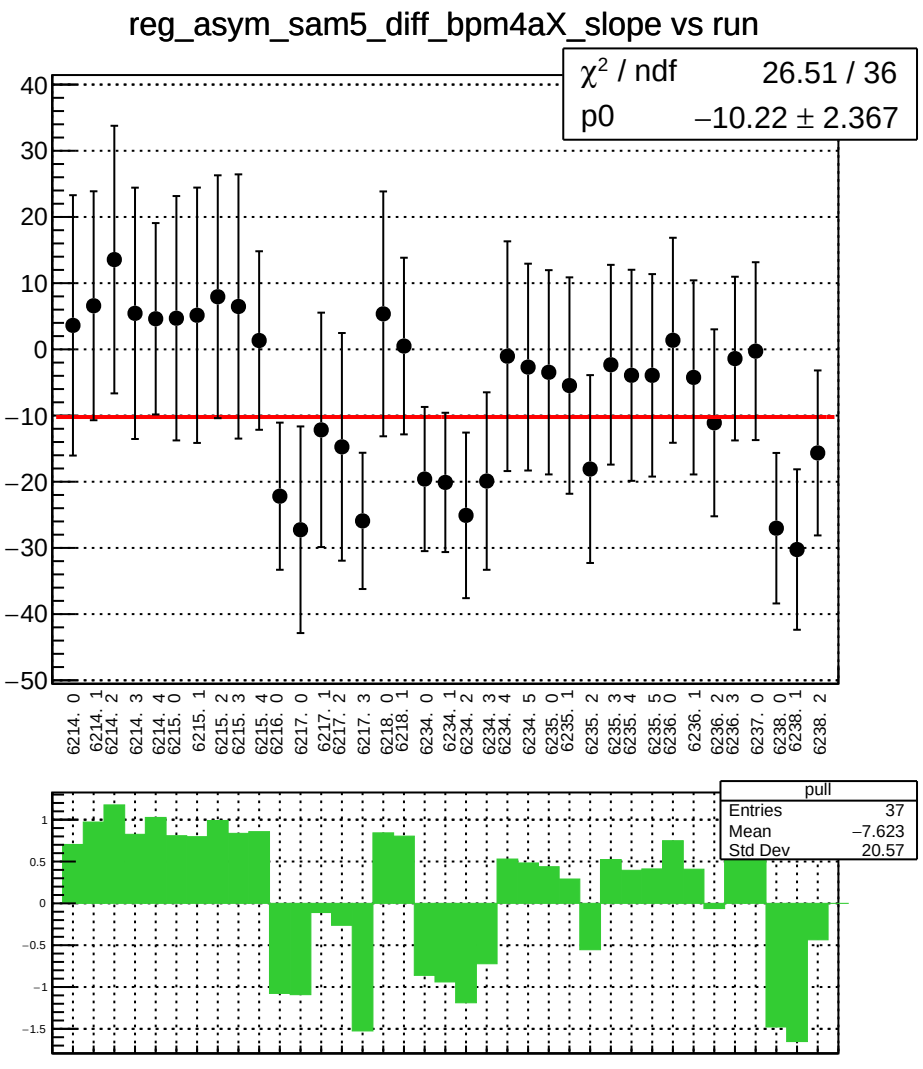

pull1D
Entries 37
Mean 0.0372
Std Dev 0.789
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

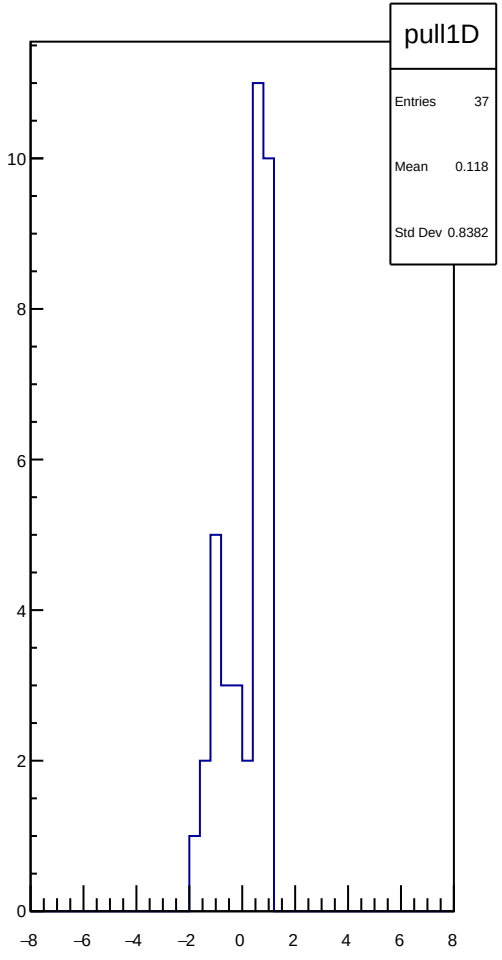

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 53.9 / 36
p0 −67.36 ± 7.194
50
0
−50
−100
−150
−200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −10.65
Std Dev 24.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1479
Std Dev 1.198
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

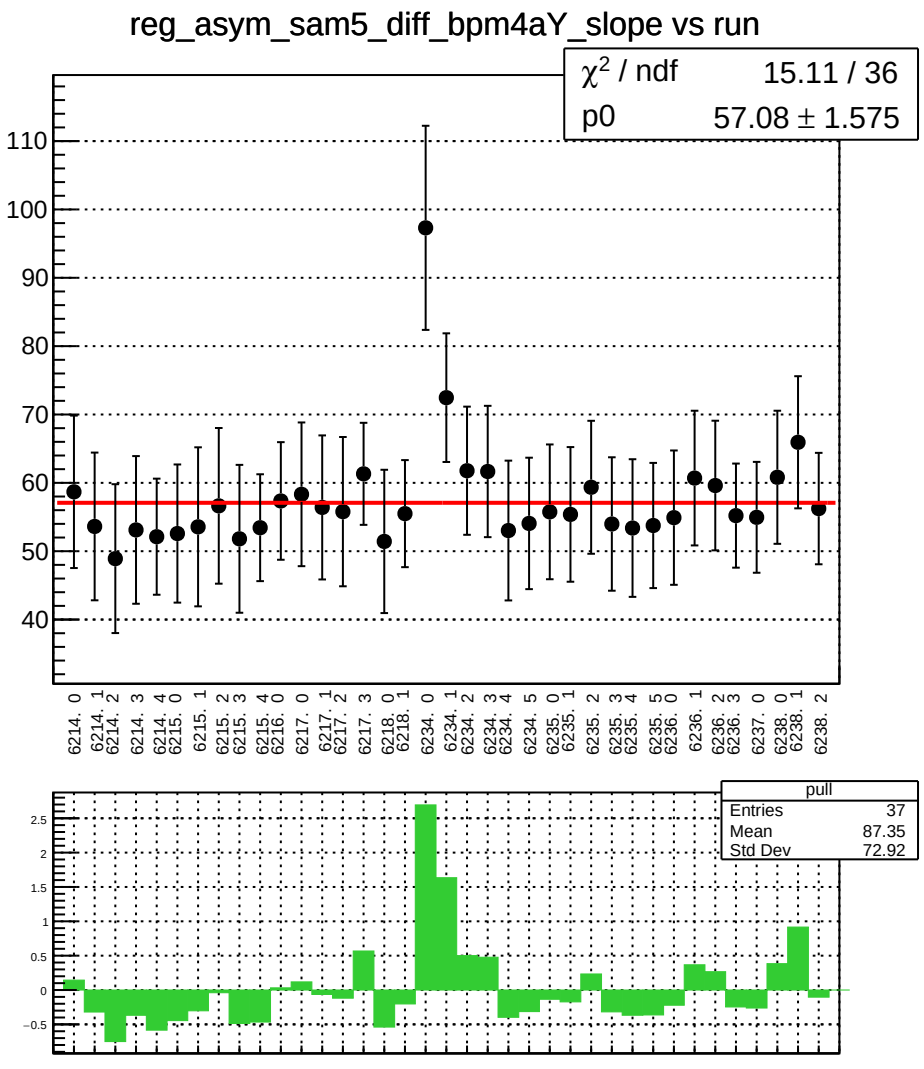

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 21.56 / 36
p0 235.7 ± 4.446
300
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 104.5
Std Dev 90.64
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.02327
Std Dev 0.763
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

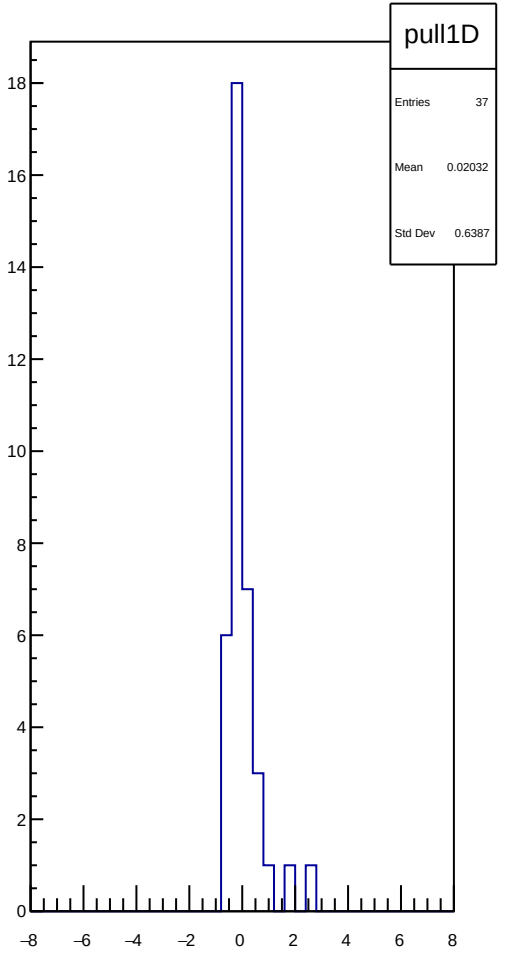

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 16.4 / 36
p0 −3.01 ± 0.331
0
−2
−4
−6
−8
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −78.95
Std Dev 96.06
0.5
0
−0.5
−1
−1.5

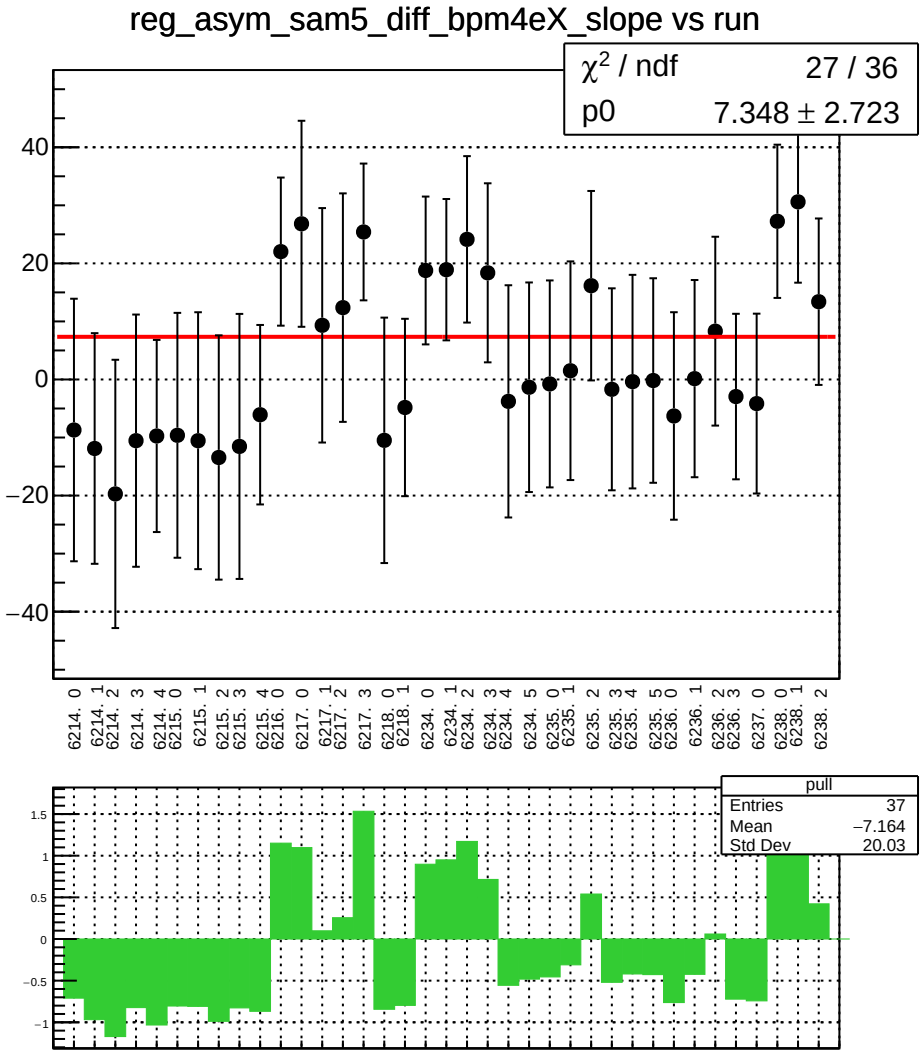

pull1D
Entries 37
Mean 0.02648
Std Dev 0.6651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

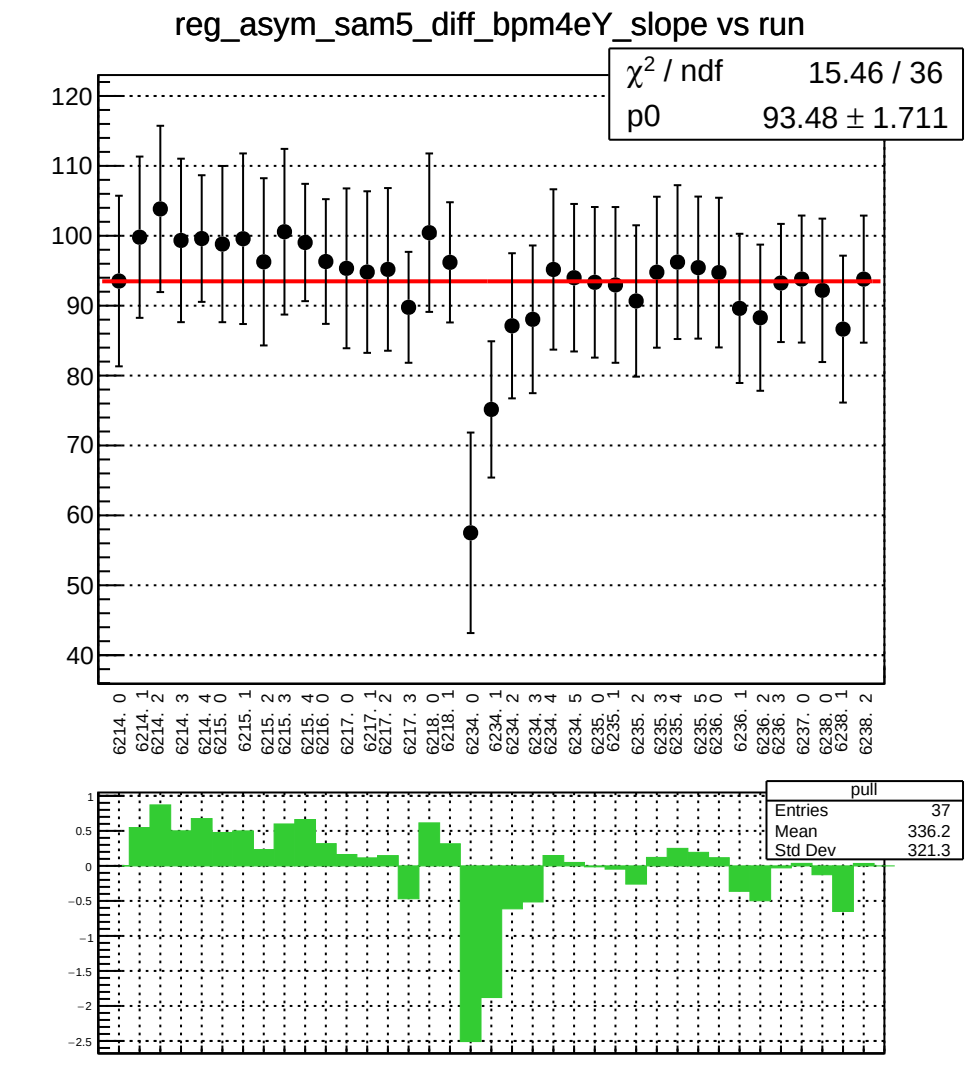

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 26.51 / 36
p0 −10.22 ± 2.367
40
30
20
10
0
−10
−20
−30
−40
−50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.623
Std Dev 20.57
1
0.5
0
−0.5
−1
−1.5

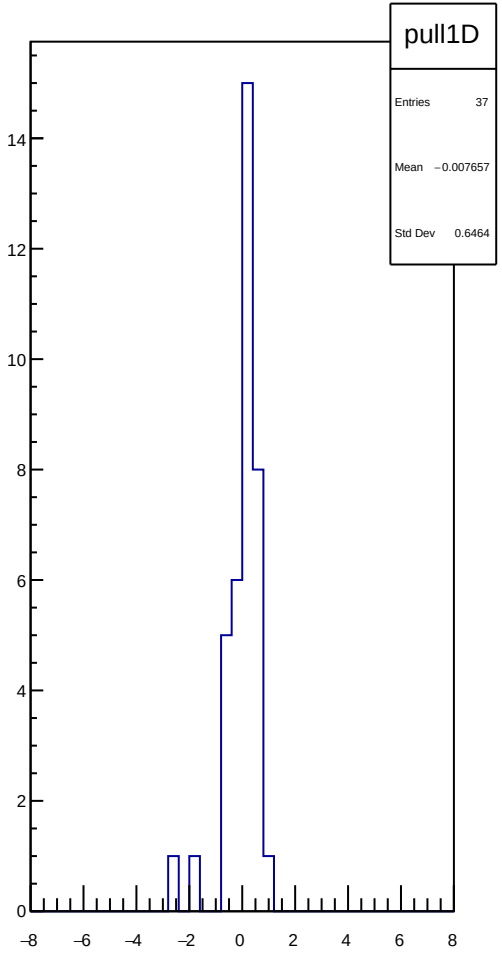

pull1D
Entries 37
Mean 0.118
Std Dev 0.8382
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

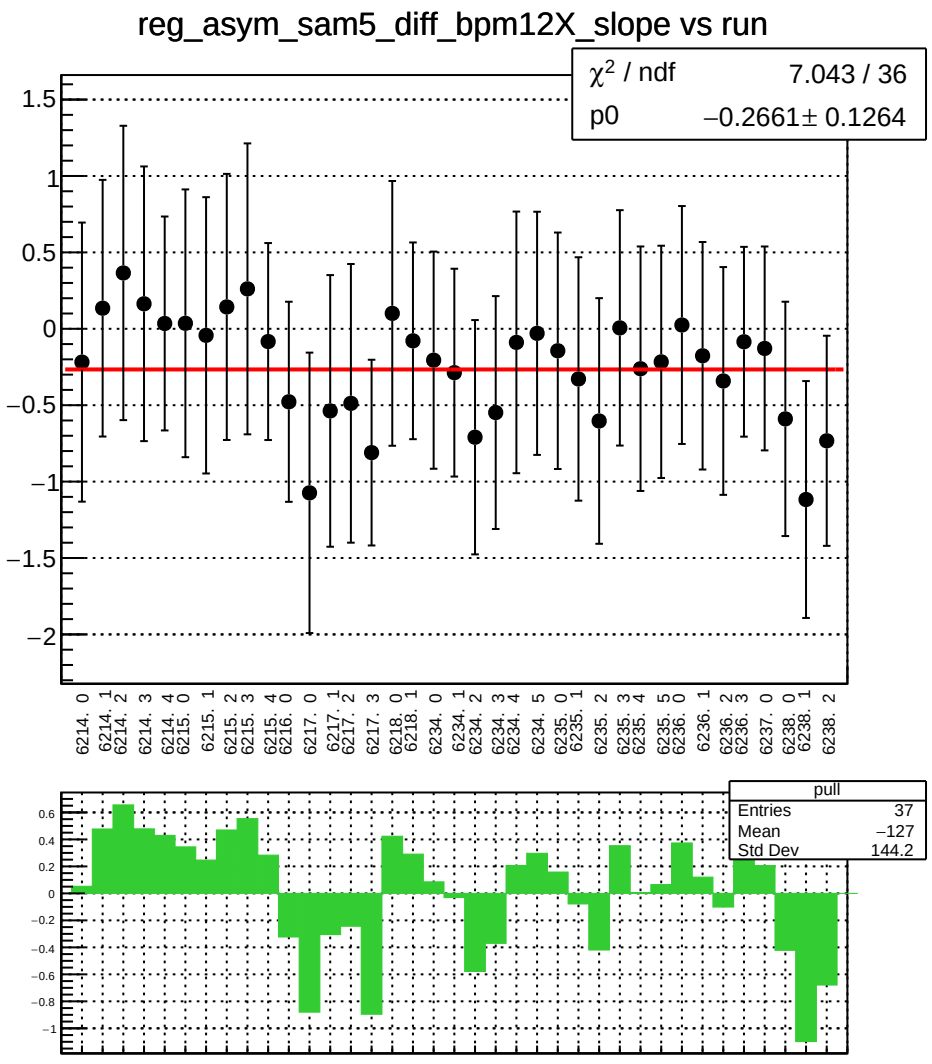

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 15.11 / 36
p0 57.08 ± 1.575
110
100
90
80
70
60
50
40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 87.35
Std Dev 72.92
2.5
2
1.5
1
0.5
0
−0.5

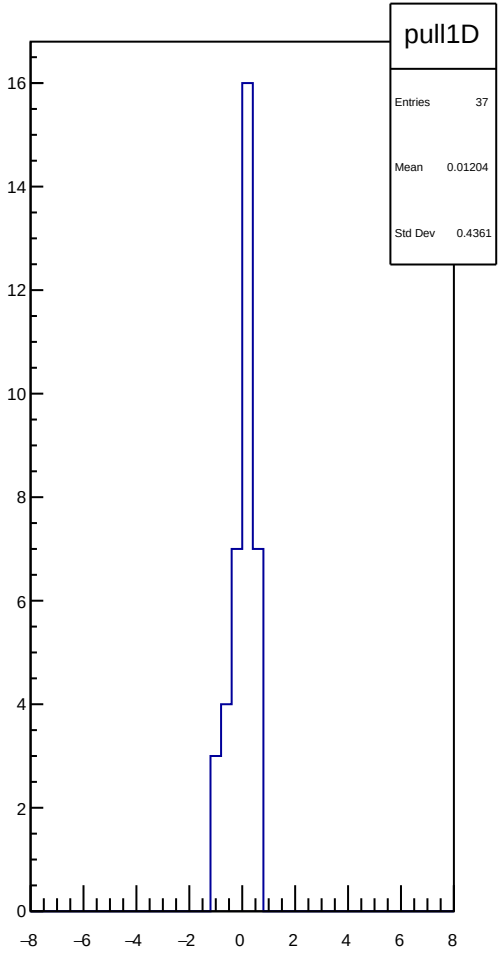

pull1D
Entries 37
Mean 0.02032
Std Dev 0.6387
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

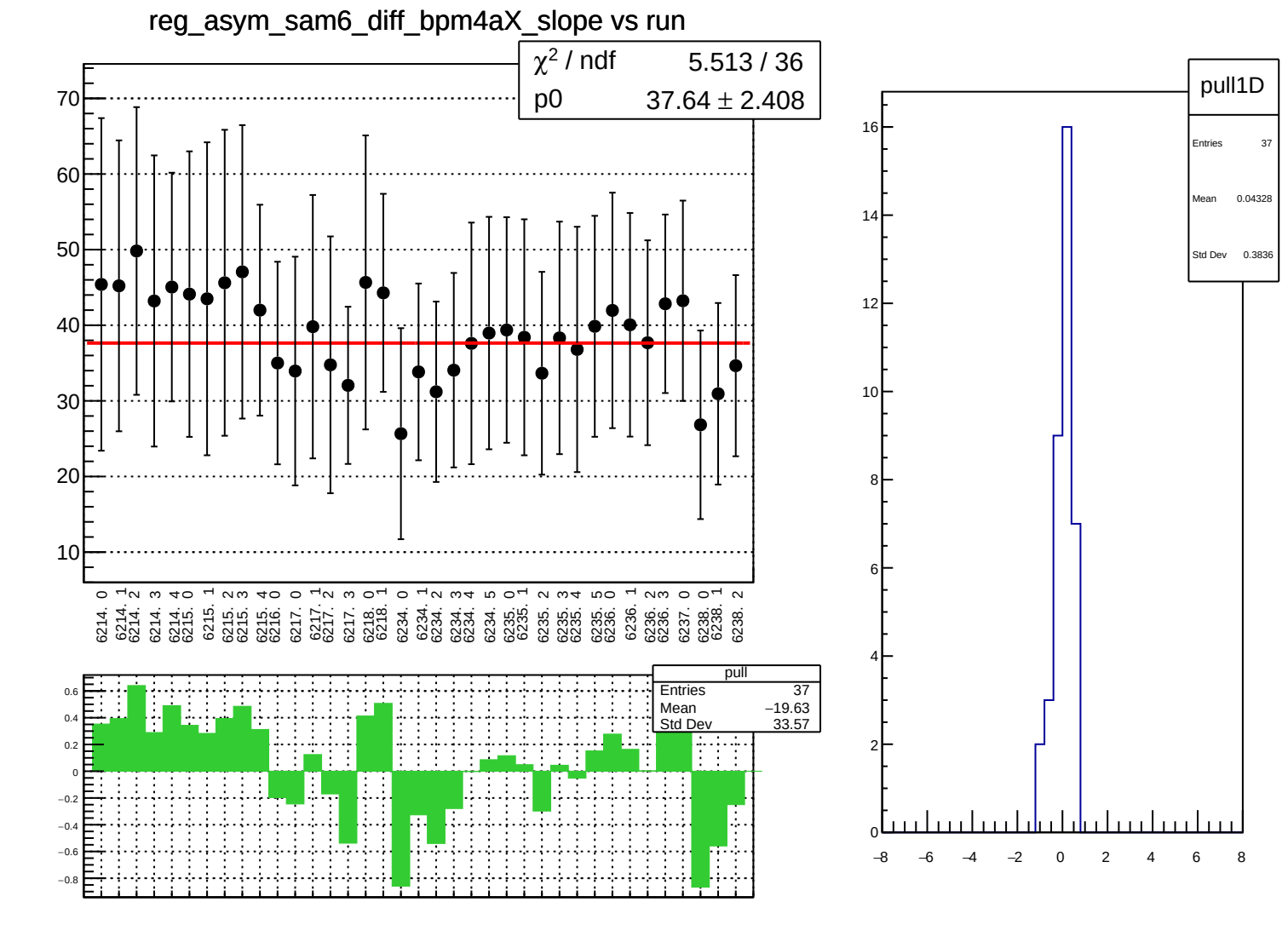

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 27 / 36
p0 7.348 ± 2.723
40
20
0
−20
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.164
Std Dev 20.03
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.1188
Std Dev 0.846
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

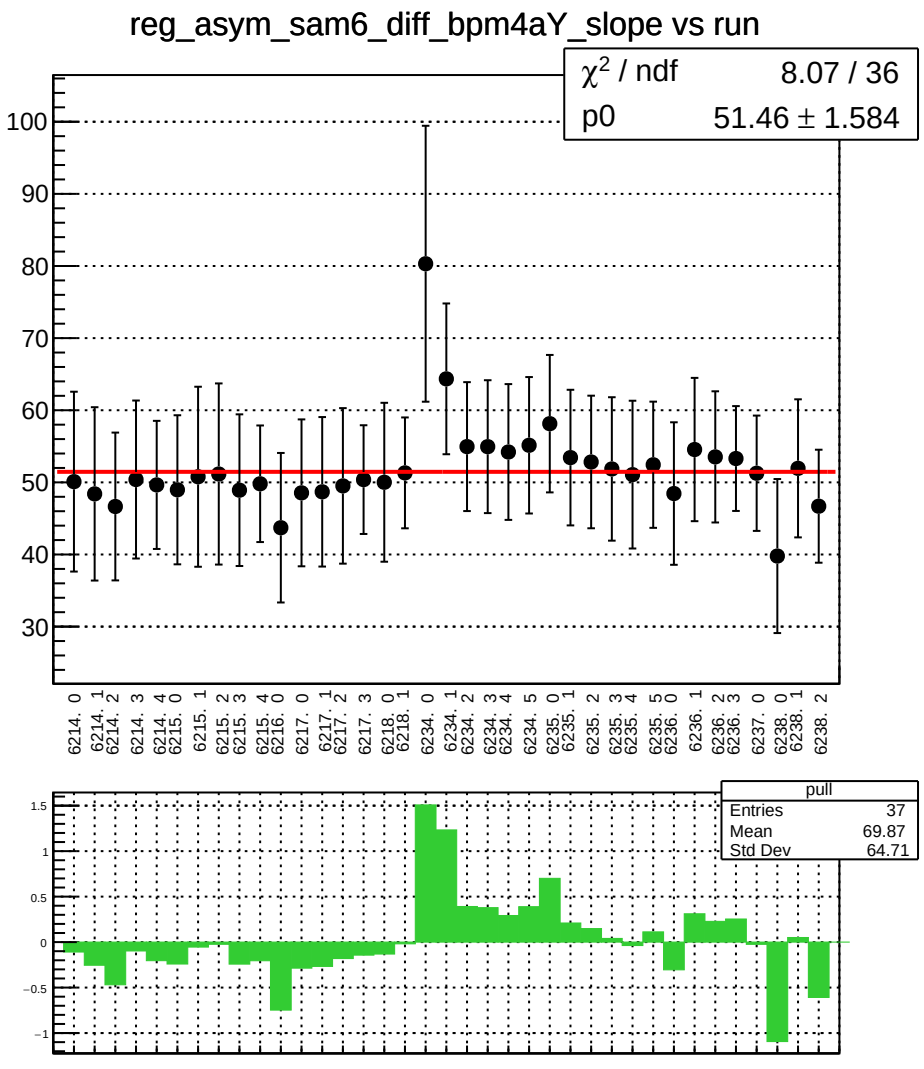

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 36
p0 93.48 ± 1.711
120
110
100
90
80
70
60
50
40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 336.2
Std Dev 321.3
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

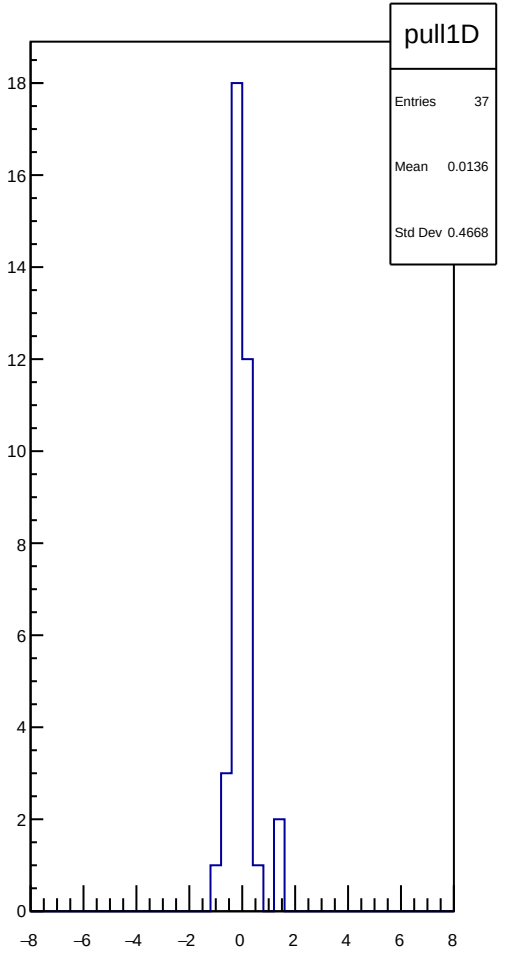

pull1D
Entries 37
Mean −0.007657
Std Dev 0.6464
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

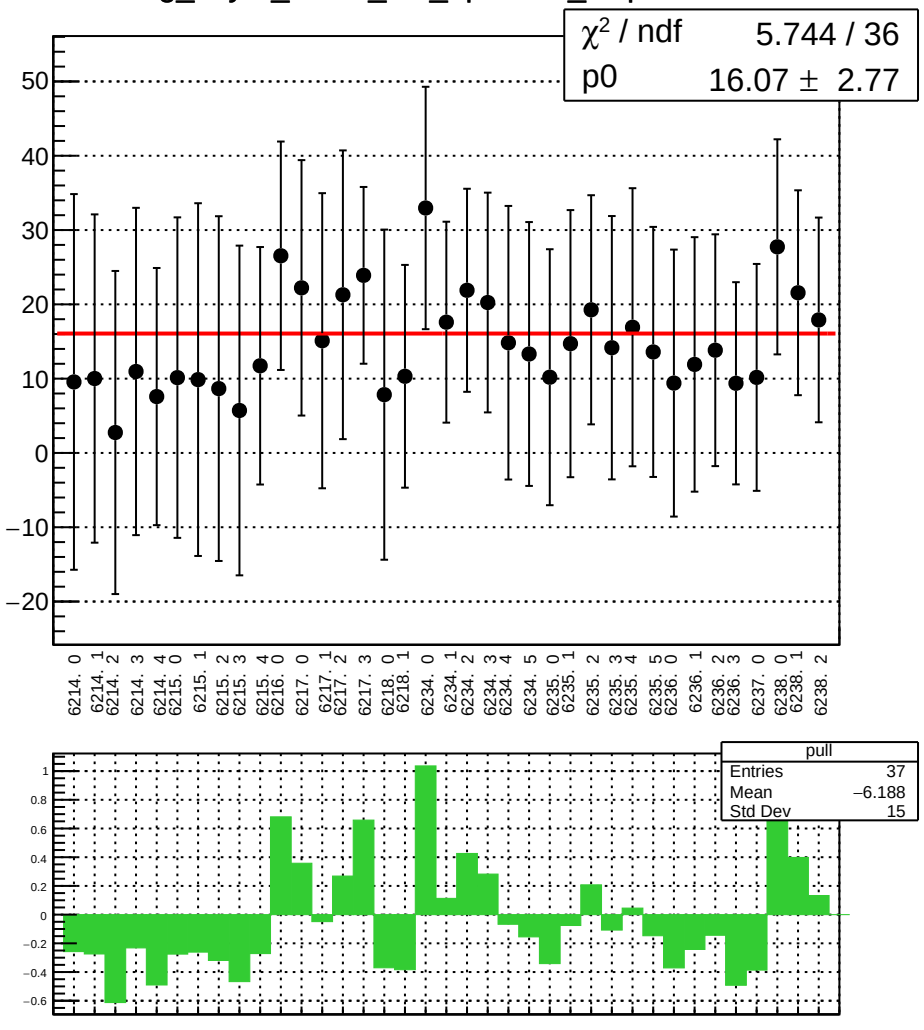

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 7.043 / 36
p0 −0.2661± 0.1264
1.5
1
0.5
0
−0.5
−1
−1.5
−2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −127
Std Dev 144.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

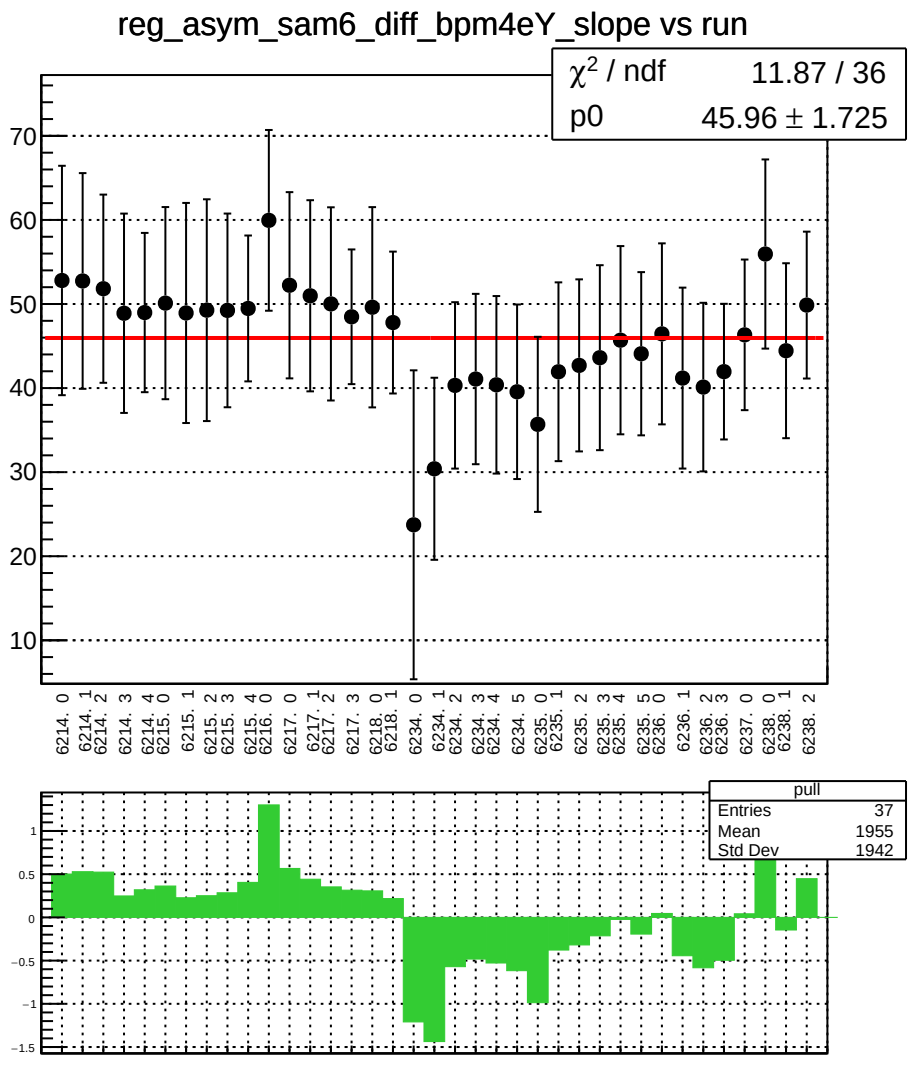

pull1D
Entries 37
Mean 0.01204
Std Dev 0.4361
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

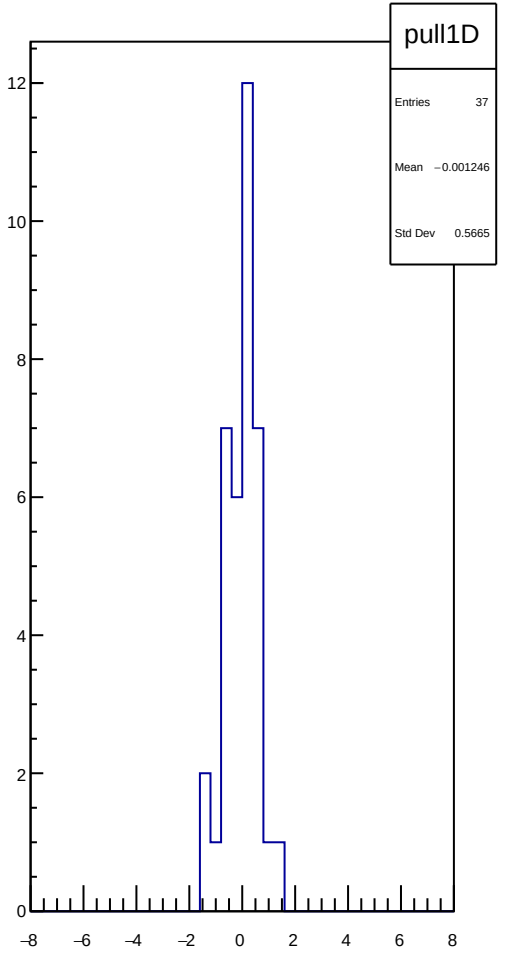

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 5.513 / 36
p0 37.64 ± 2.408
70
60
50
40
30
20
10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −19.63
Std Dev 33.57
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean 0.04328
Std Dev 0.3836
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

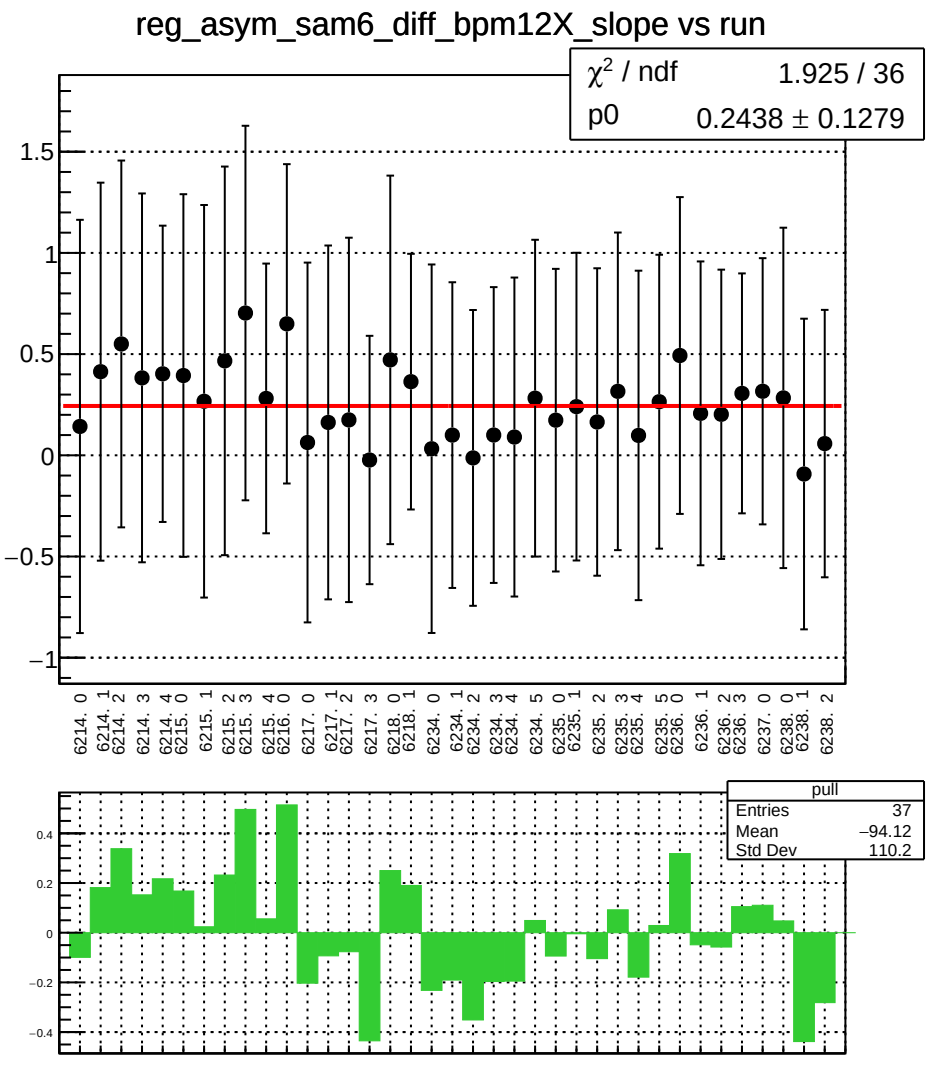

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 8.07 / 36
p0 51.46 ± 1.584
100
90
80
70
60
50
40
30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 69.87
Std Dev 64.71
1.5
1
0.5
0
−0.5
−1

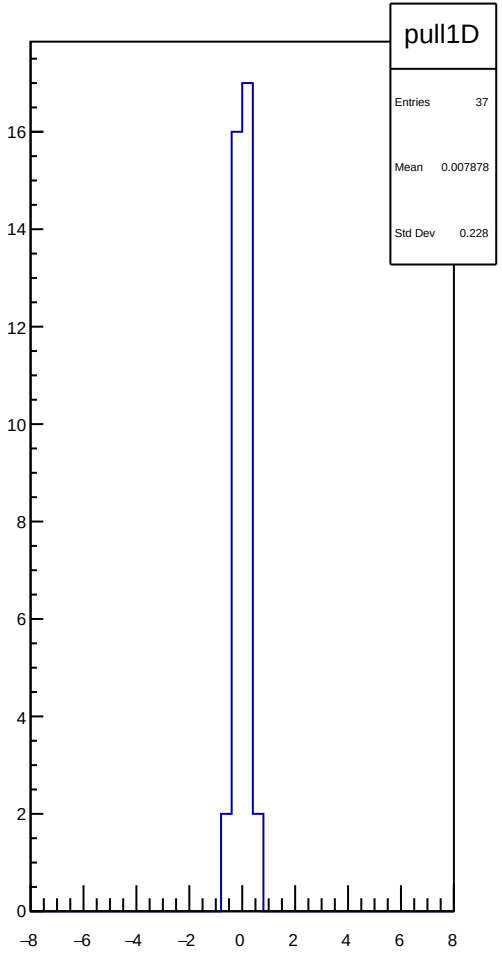

pull1D
Entries 37
Mean 0.0136
Std Dev 0.4668
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

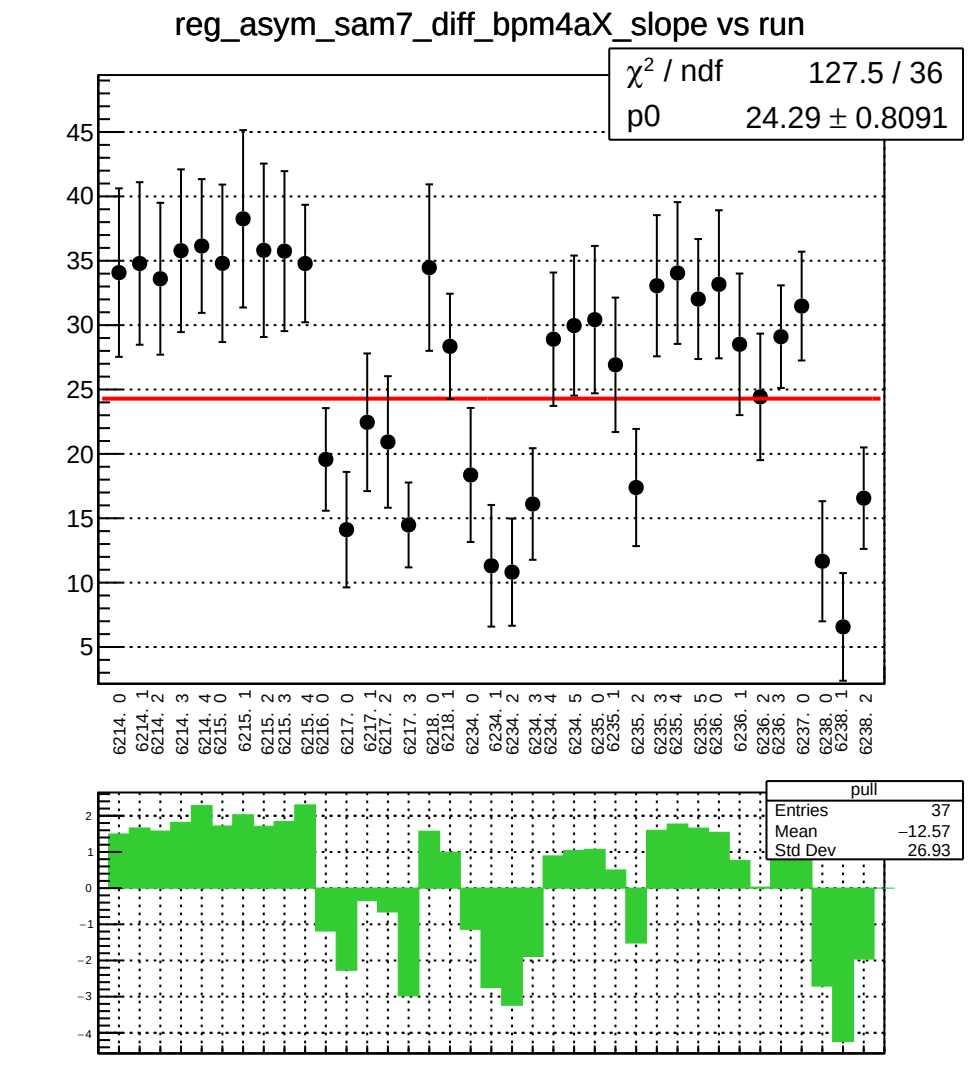

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.744 / 36
p0 16.07 ± 2.77
pull
Entries 37
Mean −6.188
Std Dev 15
pull1D
Entries 37
Mean −0.03725
Std Dev 0.3922

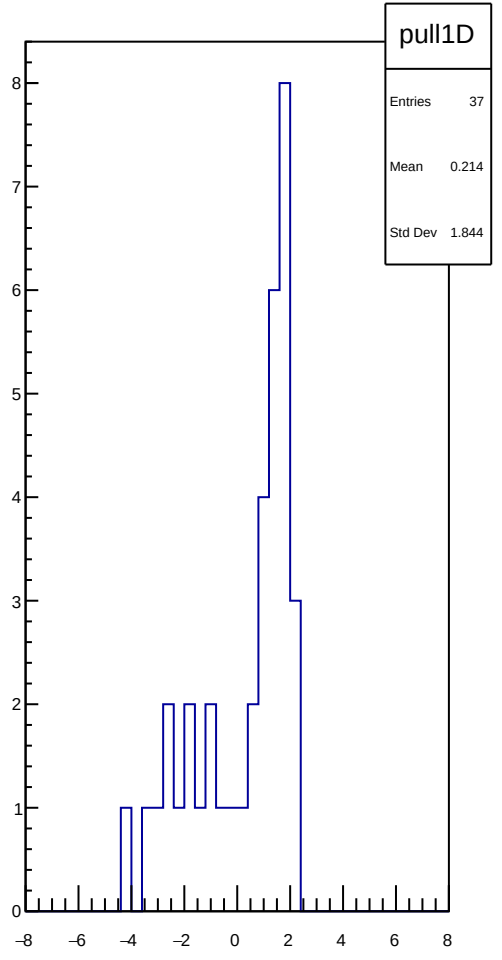

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 11.87 / 36
p0 45.96 ± 1.725
70
60
50
40
30
20
10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 1955
Std Dev 1942
1
0.5
0
−0.5
−1
−1.5

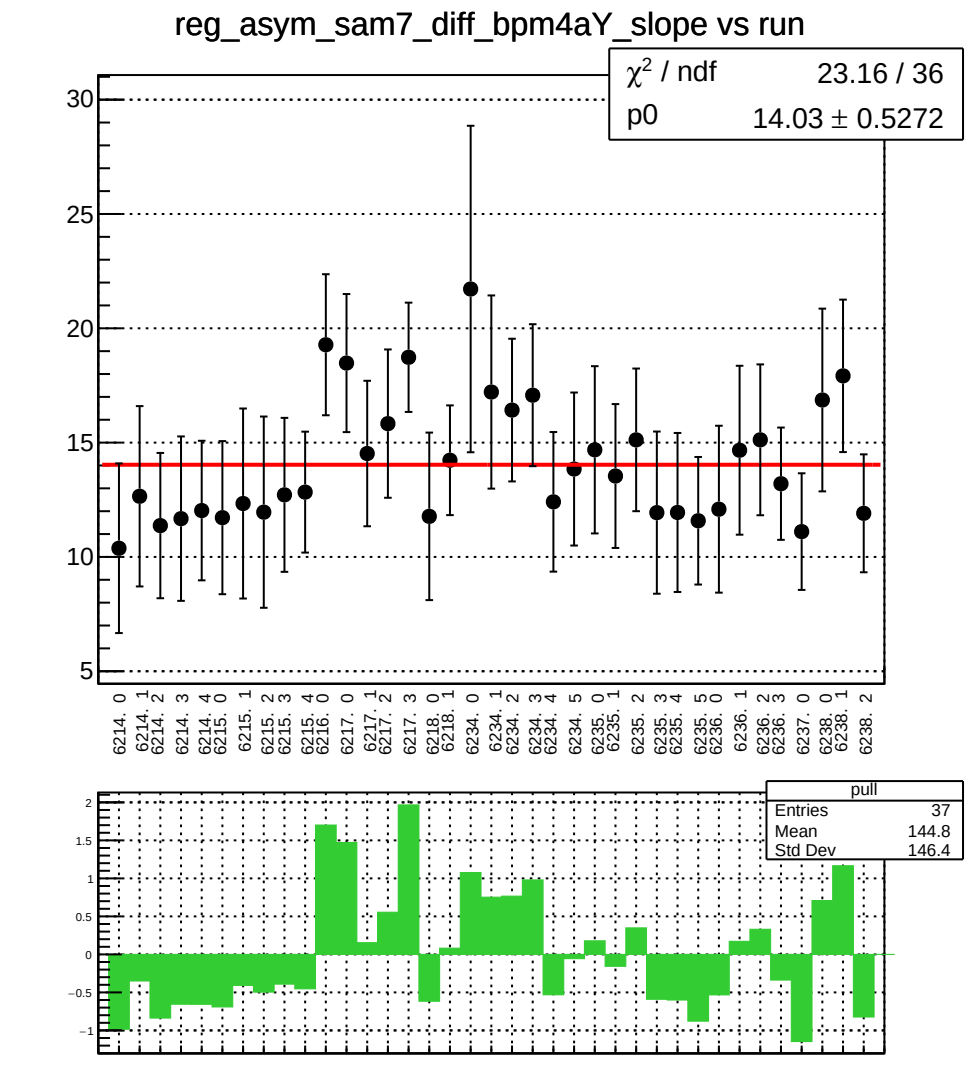

pull1D
Entries 37
Mean −0.001246
Std Dev 0.5665
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

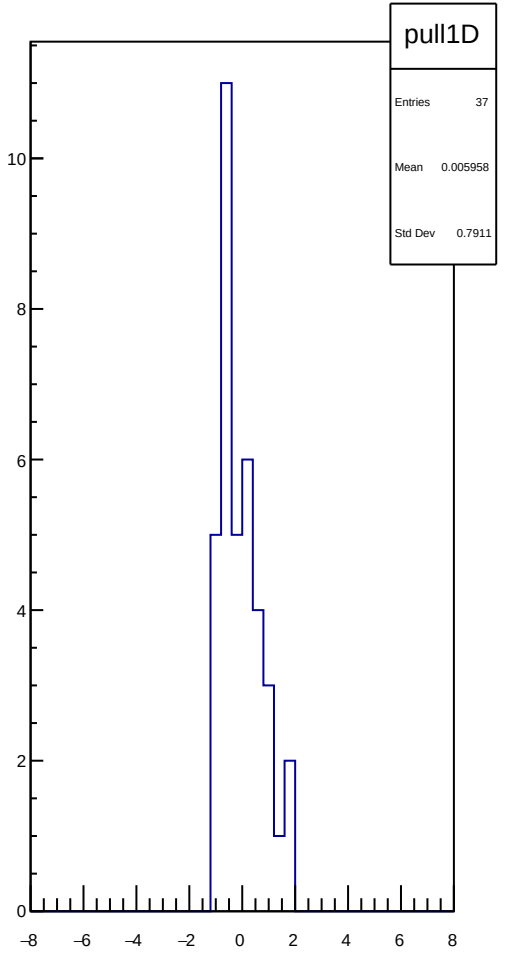

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.925 / 36
p0 0.2438 ± 0.1279
1.5
1
0.5
0
−0.5
−1
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −94.12
Std Dev 110.2
0.4
0.2
0
−0.2
−0.4

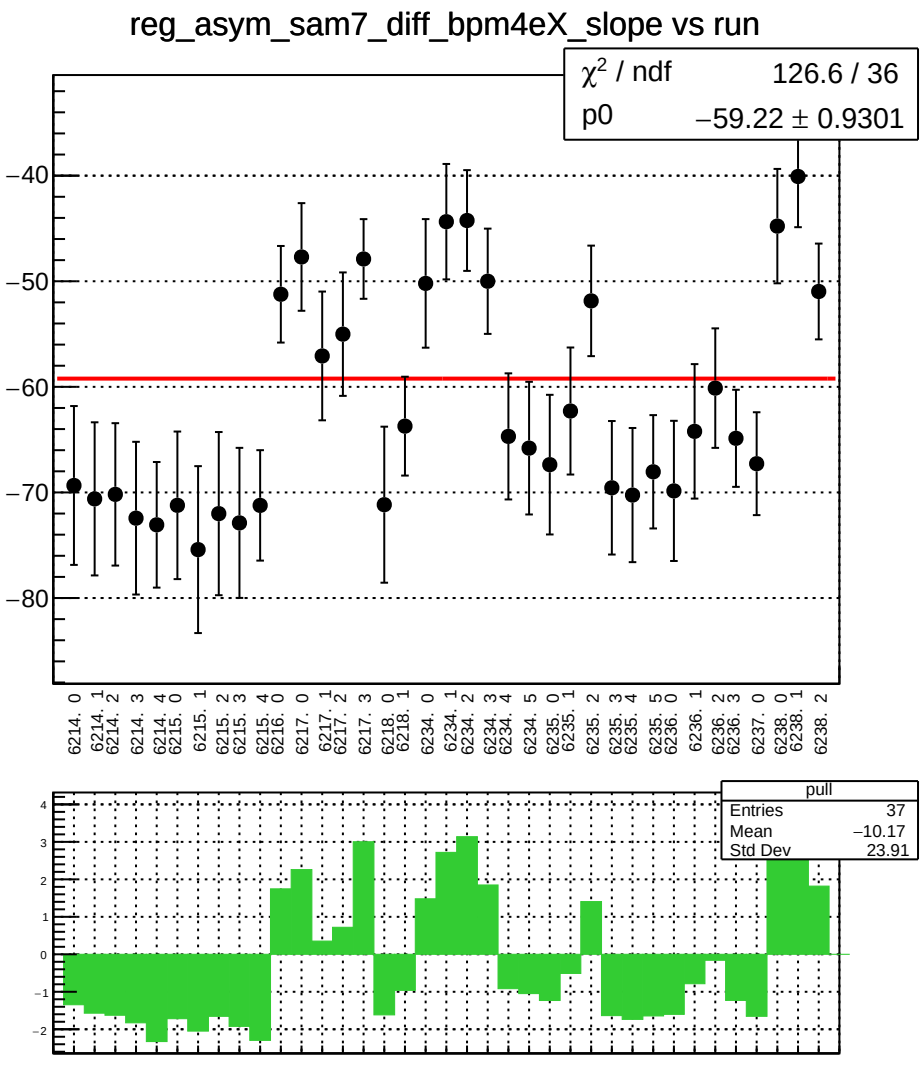

pull1D
Entries 37
Mean 0.007878
Std Dev 0.228
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

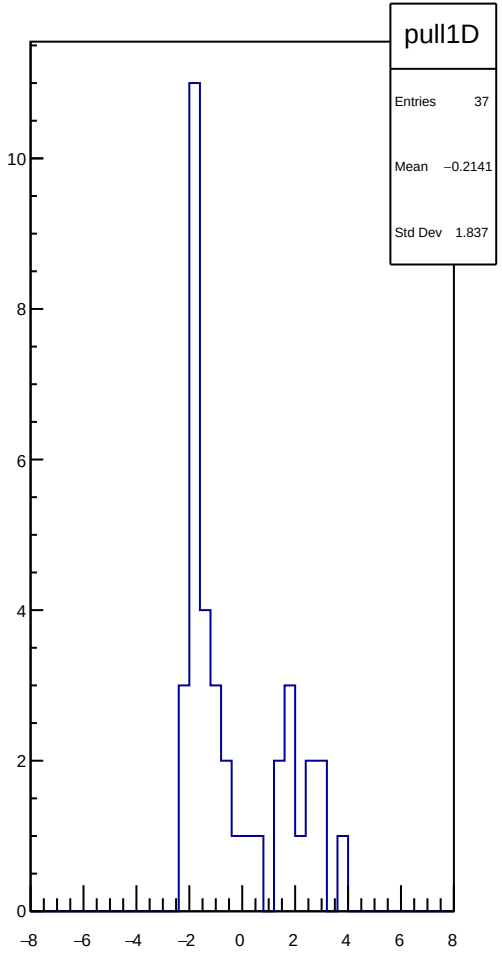

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 127.5 / 36
p0 24.29 ± 0.8091
45
40
35
30
25
20
15
10
5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −12.57
Std Dev 26.93
2
1
0
−1
−2
−3
−4

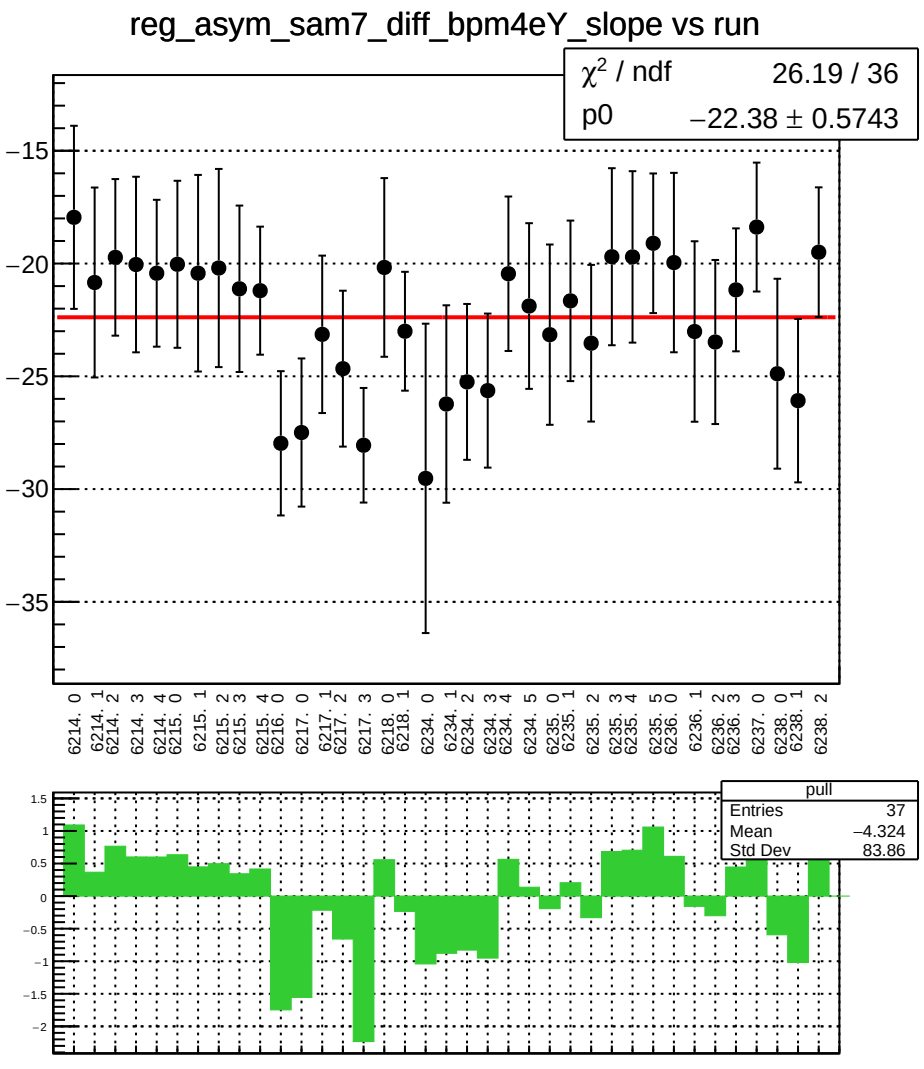

pull1D
Entries 37
Mean 0.214
Std Dev 1.844
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

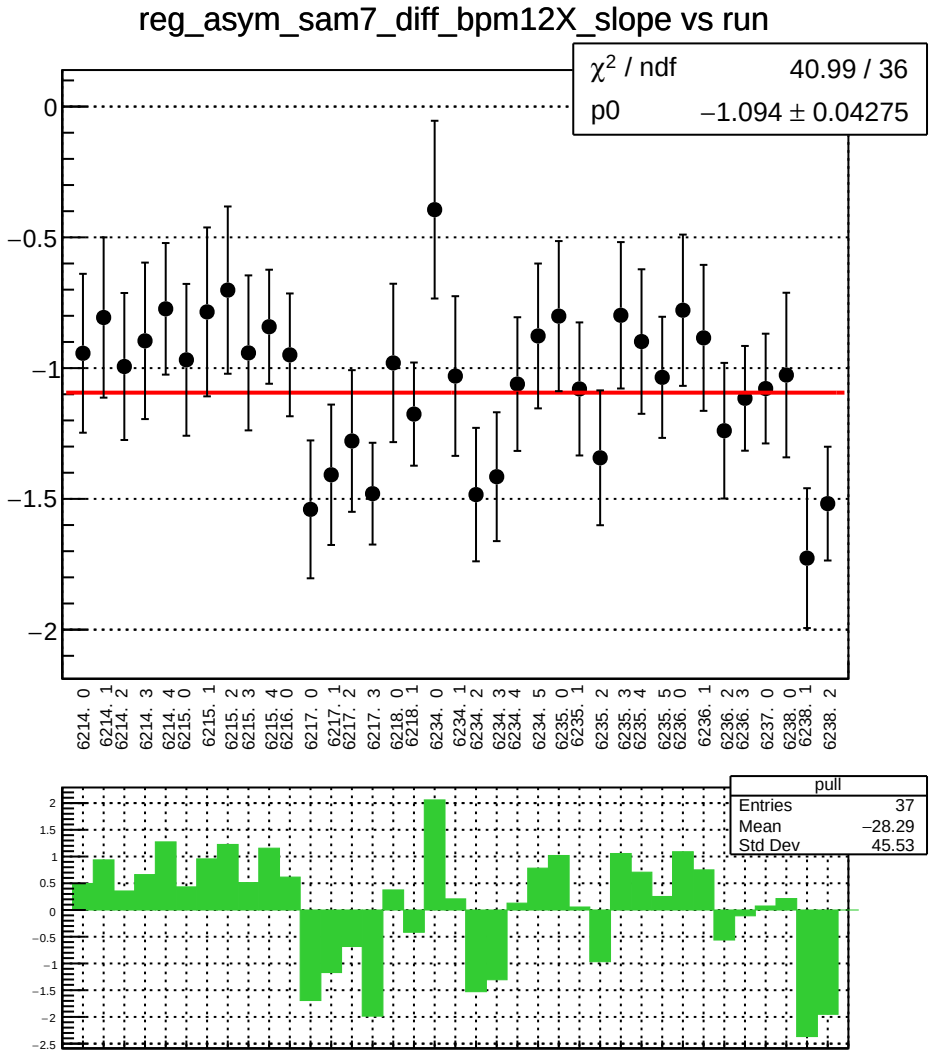

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 23.16 / 36
p0 14.03 ± 0.5272
30
25
20
15
10
5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 144.8
Std Dev 146.4
2
1.5
1
0.5
0
−0.5
−1

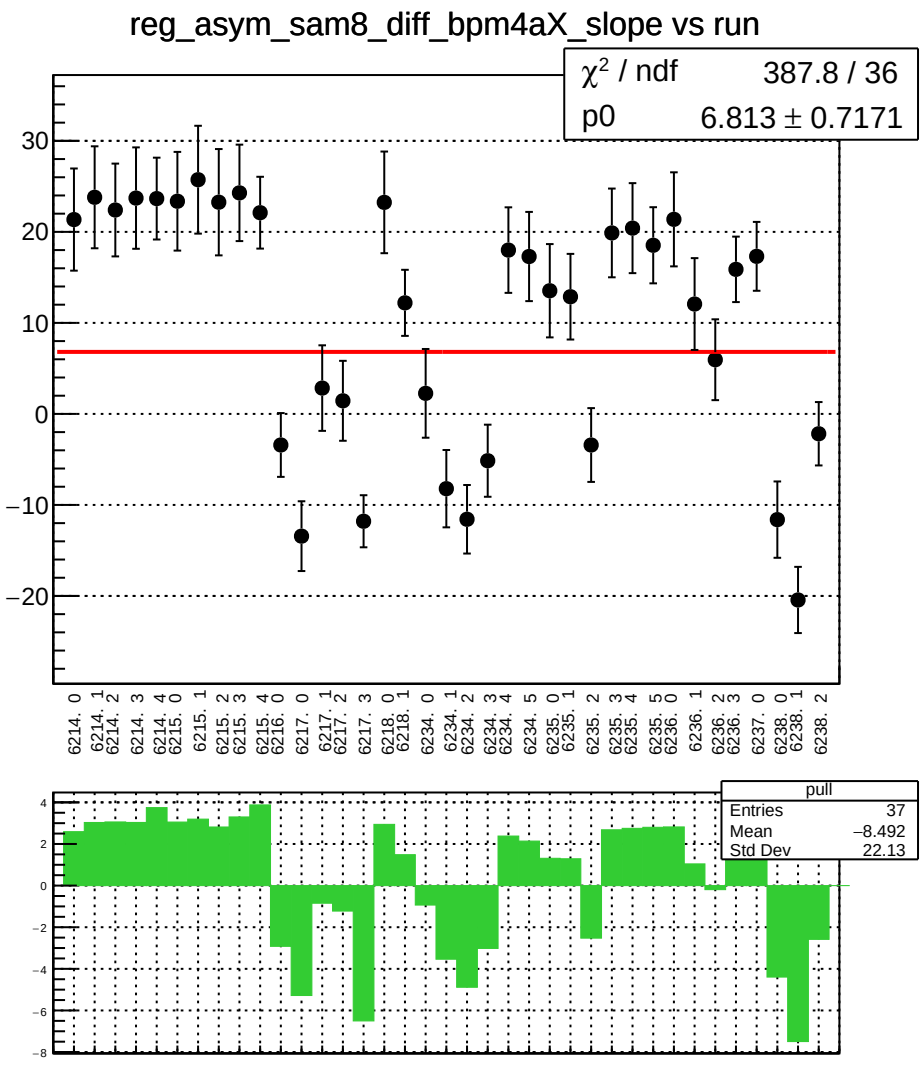

pull1D
Entries 37
Mean 0.005958
Std Dev 0.7911
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

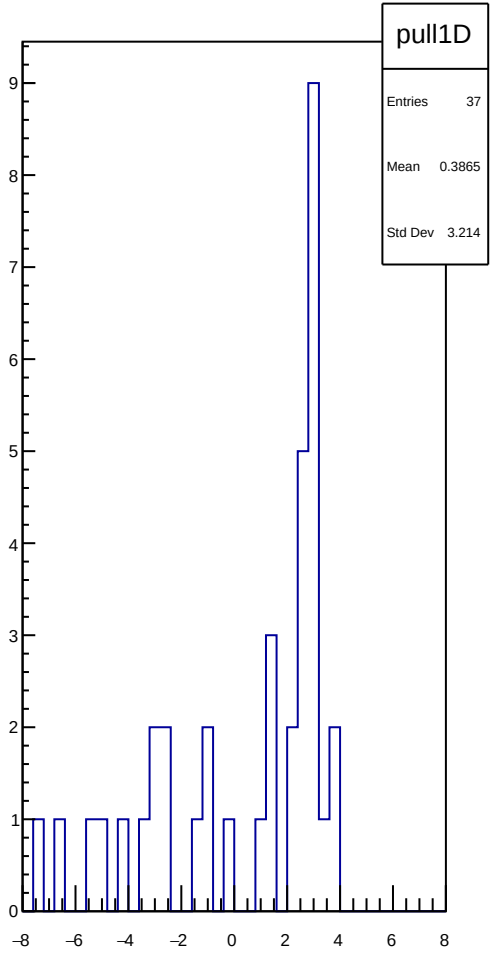

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 126.6 / 36
p0 −59.22 ± 0.9301
−40
−50
−60
−70
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −10.17
Std Dev 23.91
4
3
2
1
0
−1
−2

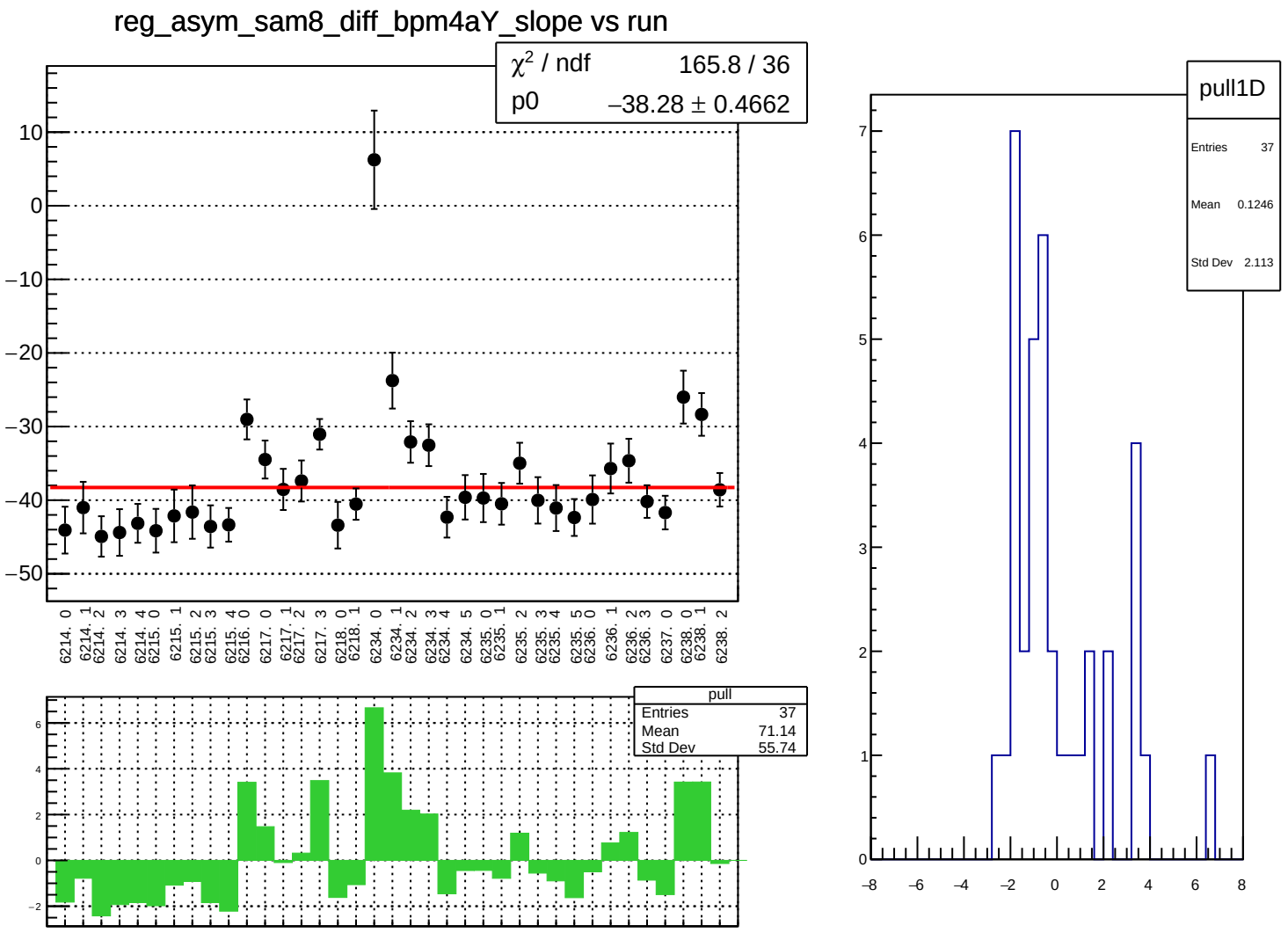

pull1D
Entries 37
Mean −0.2141
Std Dev 1.837
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

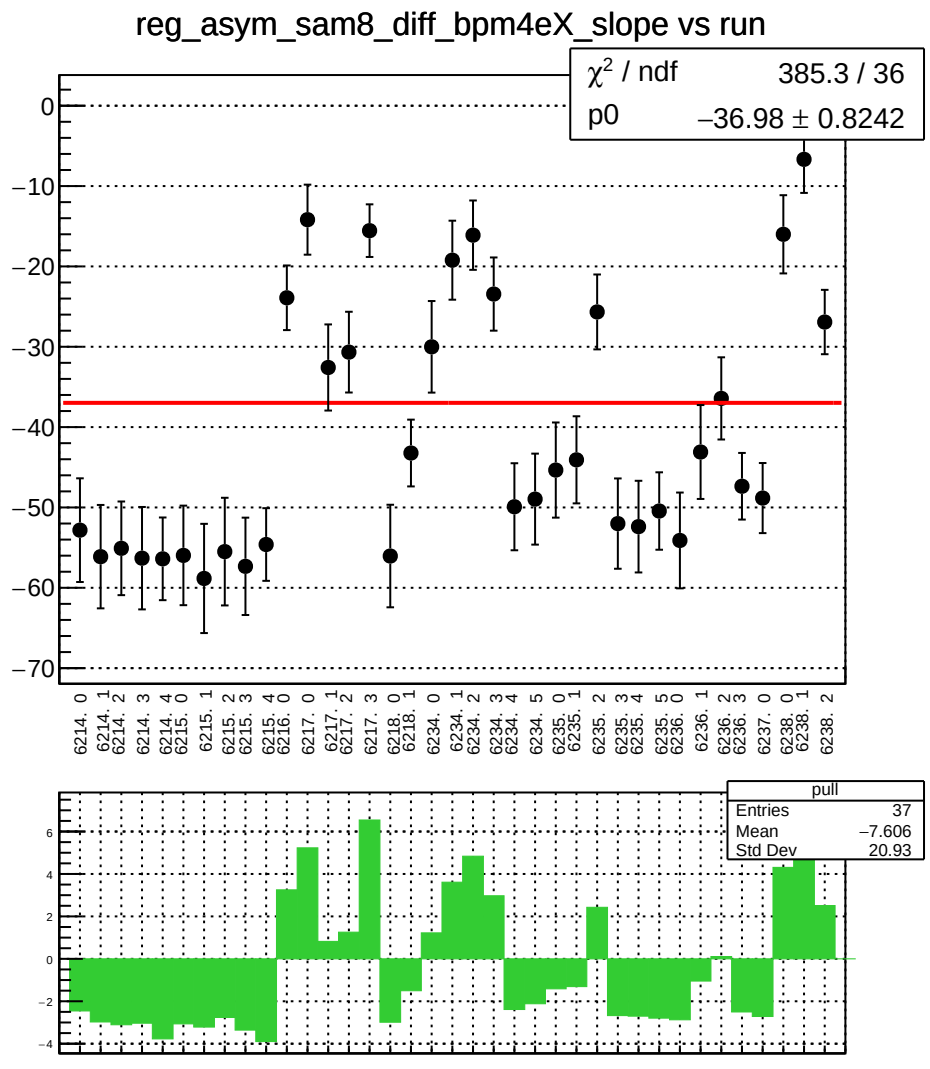

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 26.19 / 36
p0 −22.38 ± 0.5743
−15
−20
−25
−30
−35
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −4.324
Std Dev 83.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.005152
Std Dev 0.8413
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

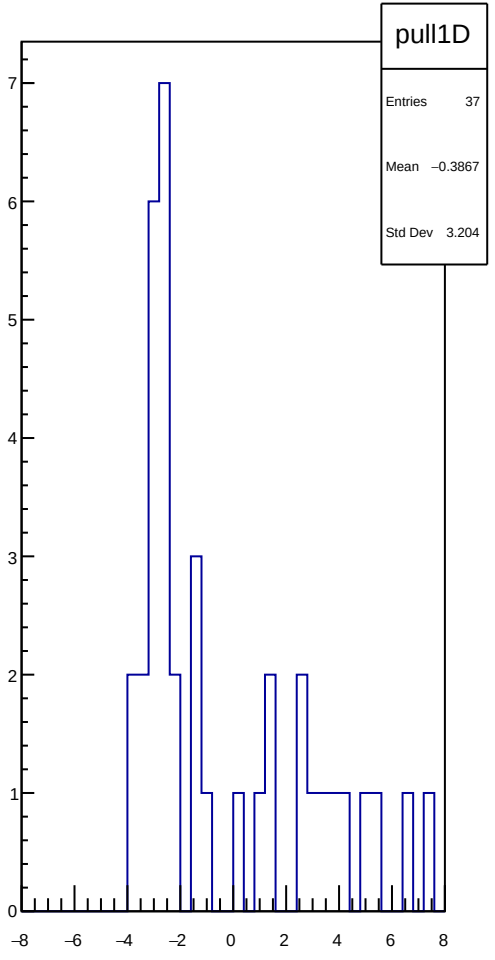

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 40.99 / 36
p0 −1.094 ± 0.04275
0
−0.5
−1
−1.5
−2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −28.29
Std Dev 45.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.07204
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

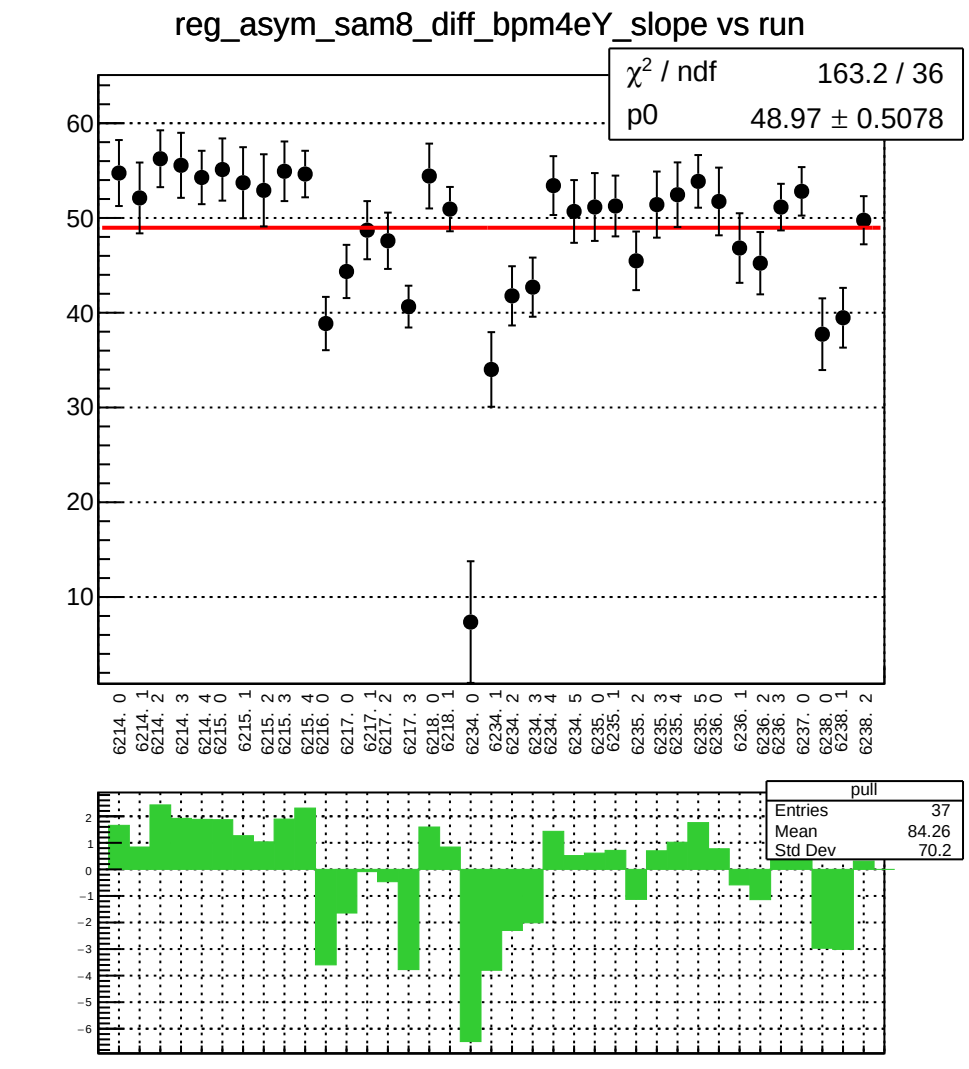

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 387.8 / 36
p0 6.813 ± 0.7171
30
20
10
0
−10
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.492
Std Dev 22.13
4
2
0
−2
−4
−6
−8

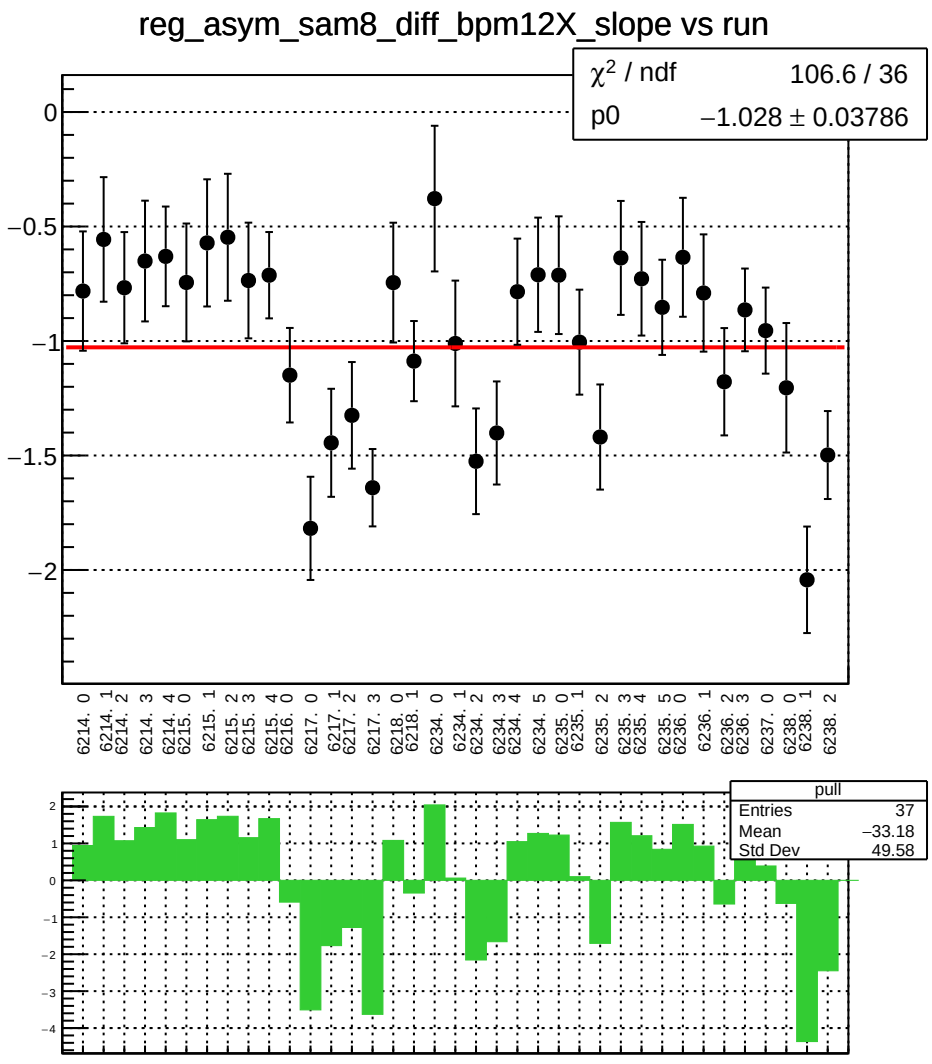

pull1D
Entries 37
Mean 0.3865
Std Dev 3.214
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

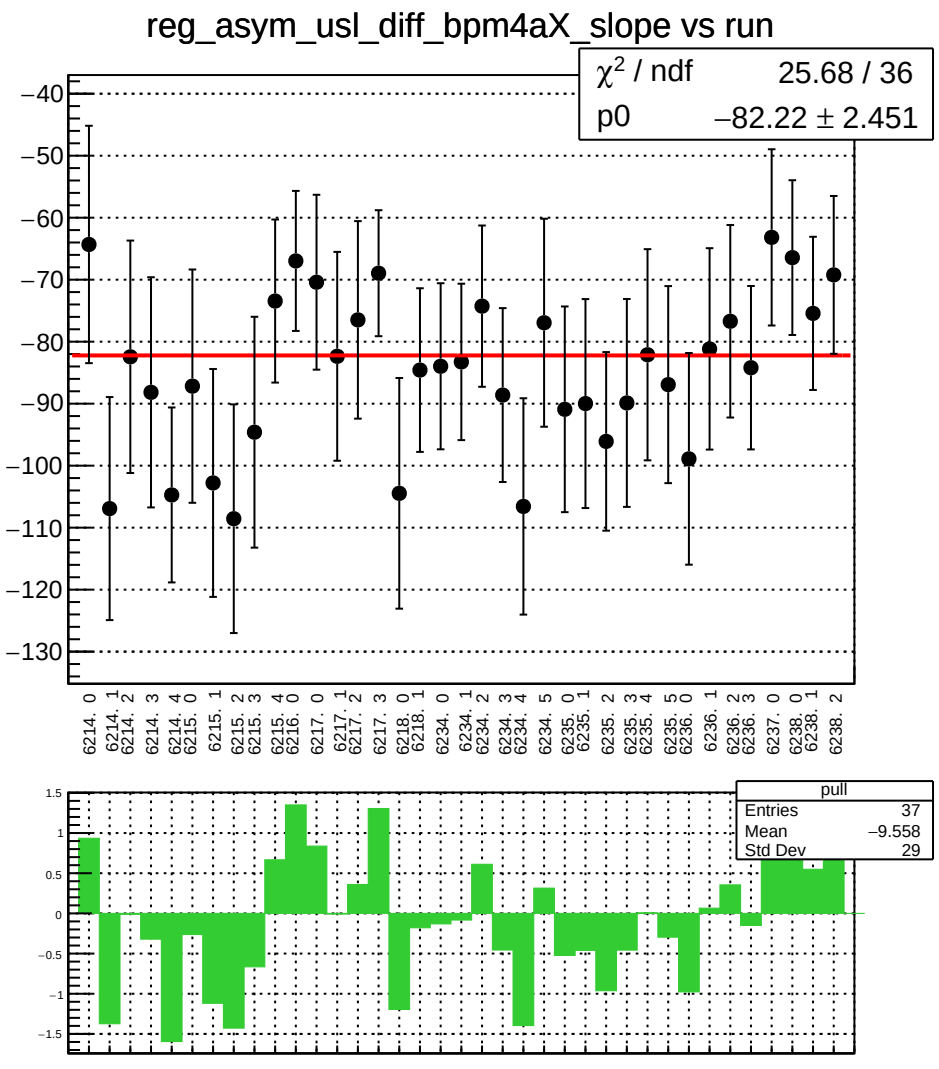

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 165.8 / 36
p0 −38.28 ± 0.4662
10
0
−10
−20
−30
−40
−50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 71.14
Std Dev 55.74
6
4
2
0
−2
pull1D
Entries 37
Mean 0.1246
Std Dev 2.113
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

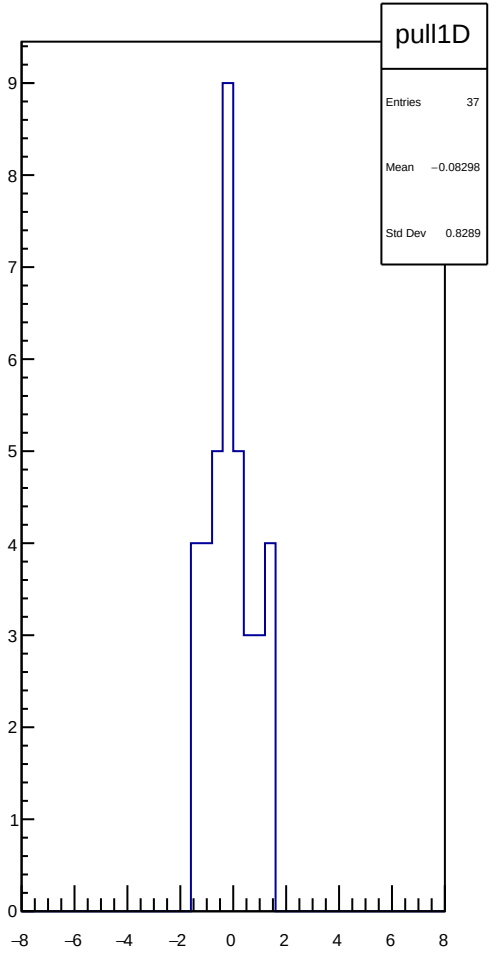

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 385.3 / 36
p0 −36.98 ± 0.8242
0
−10
−20
−30
−40
−50
−60
−70
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.606
Std Dev 20.93
6
4
2
0
−2
−4

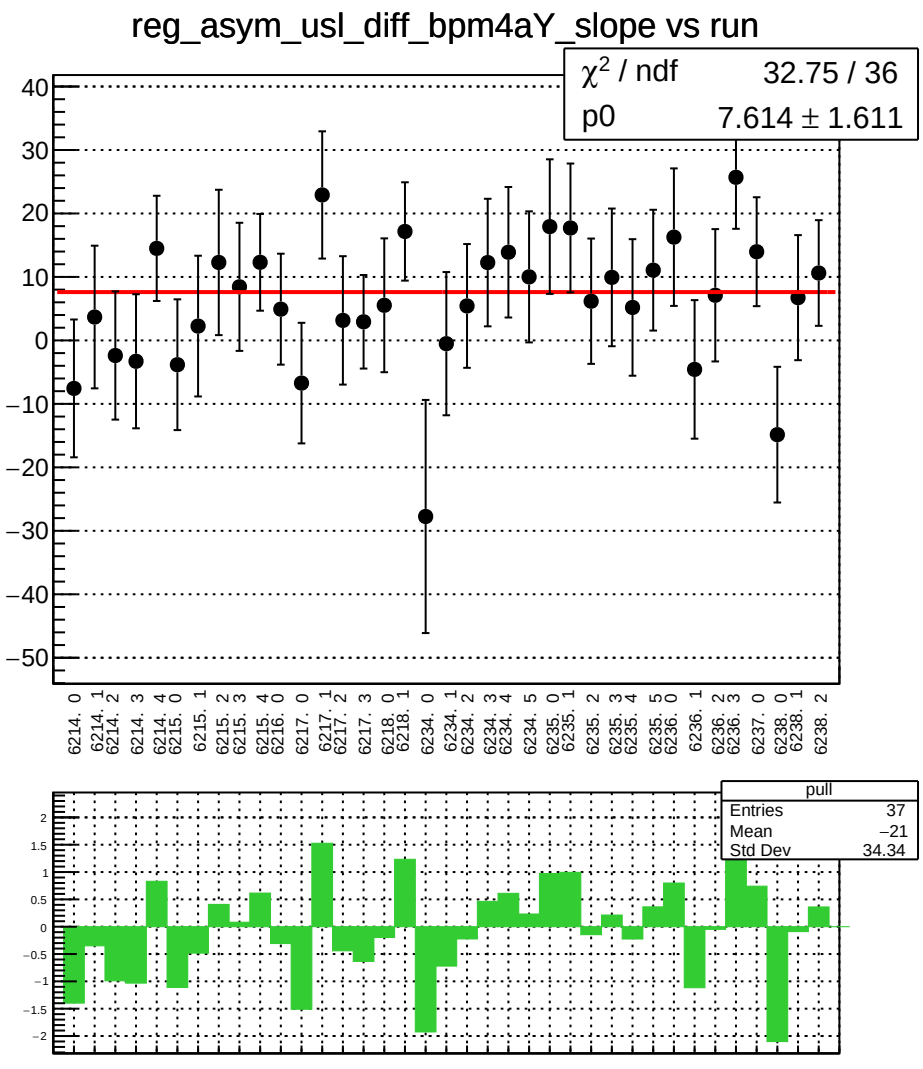

pull1D
Entries 37
Mean −0.3867
Std Dev 3.204
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

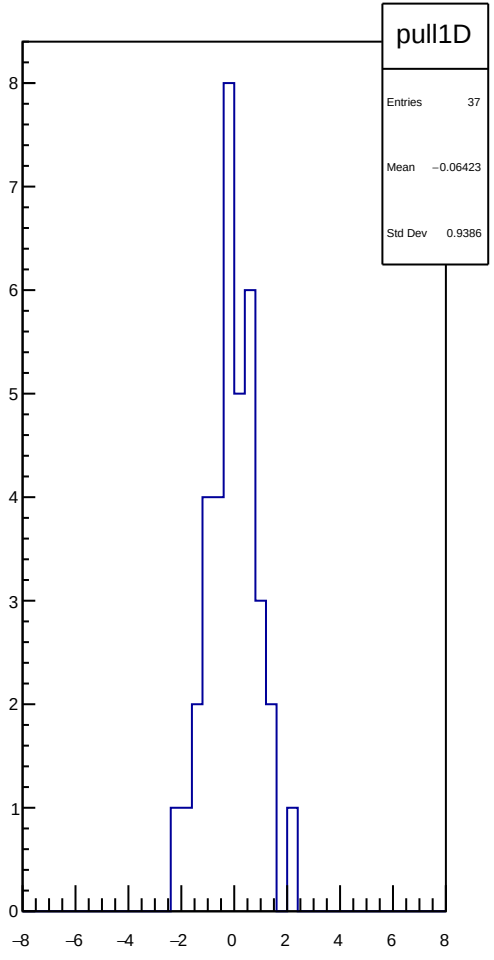

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 163.2 / 36
p0 48.97 ± 0.5078
60
50
40
30
20
10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 84.26
Std Dev 70.2
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 37
Mean −0.08638
Std Dev 2.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

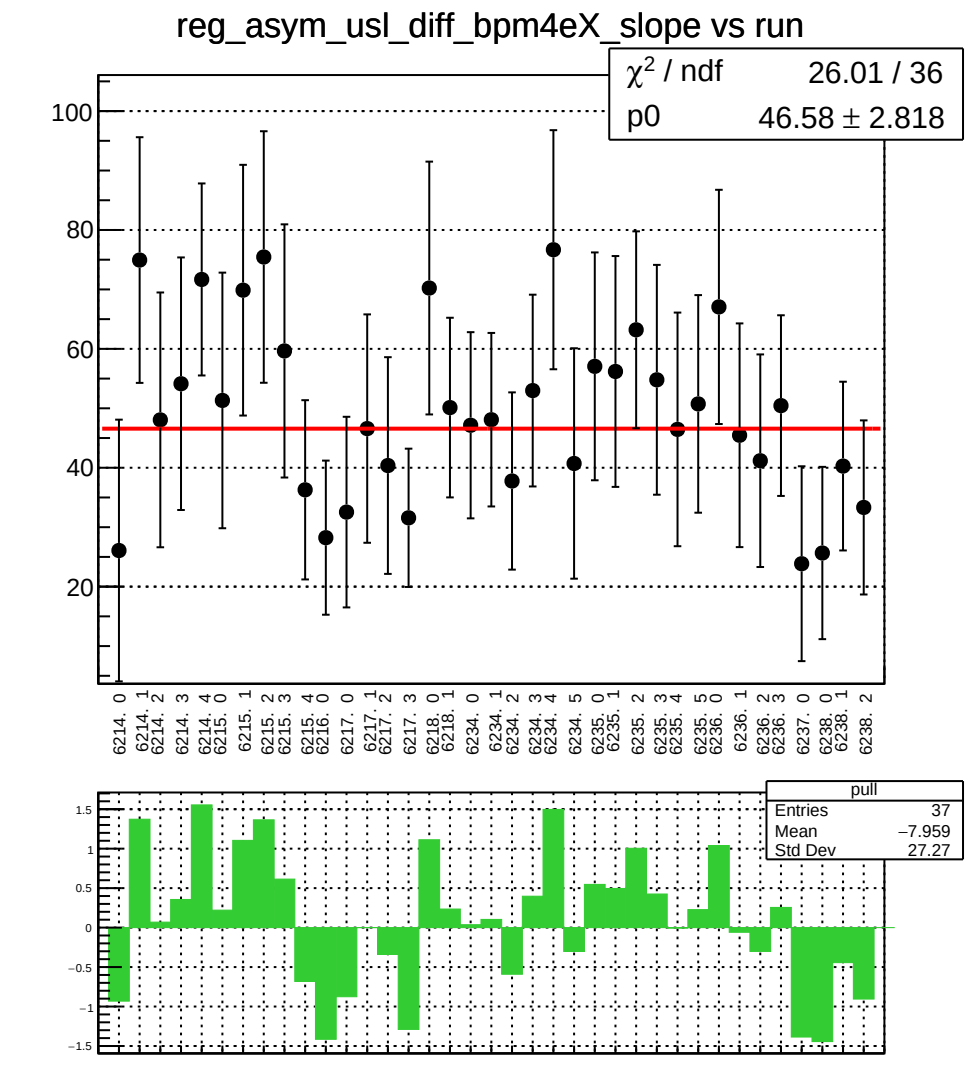

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 106.6 / 36
p0 −1.028 ± 0.03786
0
−0.5
−1
−1.5
−2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −33.18
Std Dev 49.58
2
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean 0.102
Std Dev 1.695
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

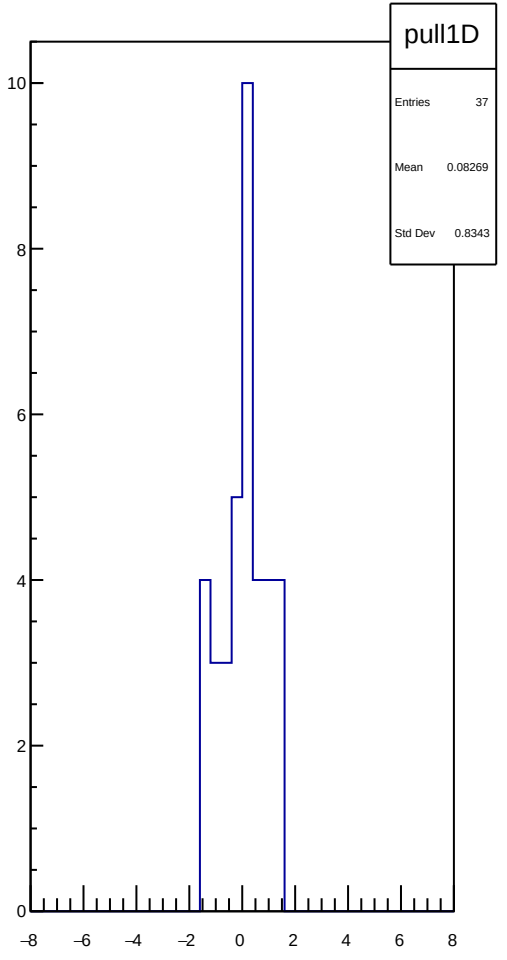

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 25.68 / 36
p0 −82.22 ± 2.451
−40
−50
−60
−70
−80
−90
−100
−110
−120
−130
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.558
Std Dev 29
1.5
1
0.5
0
−0.5
−1
−1.5

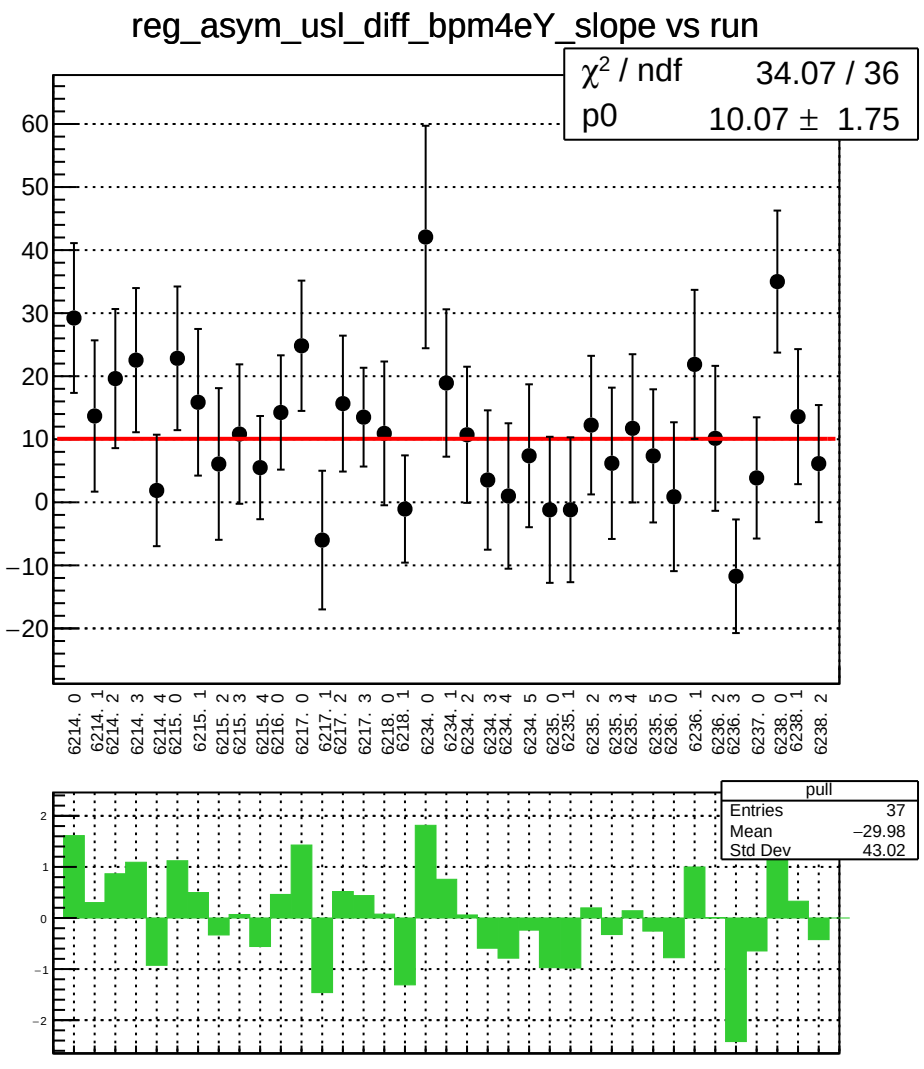

pull1D
Entries 37
Mean −0.08298
Std Dev 0.8289
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

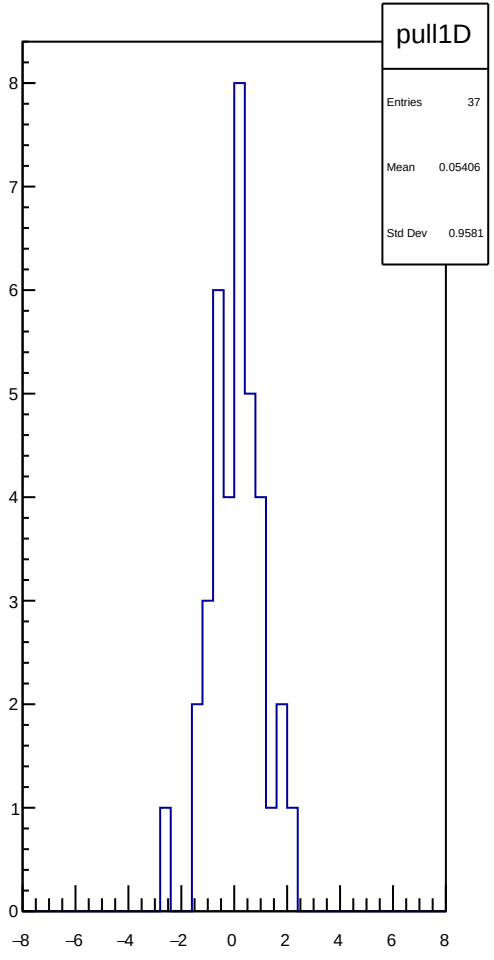

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 32.75 / 36
p0 7.614 ± 1.611
pull
Entries 37
Mean −21
Std Dev 34.34

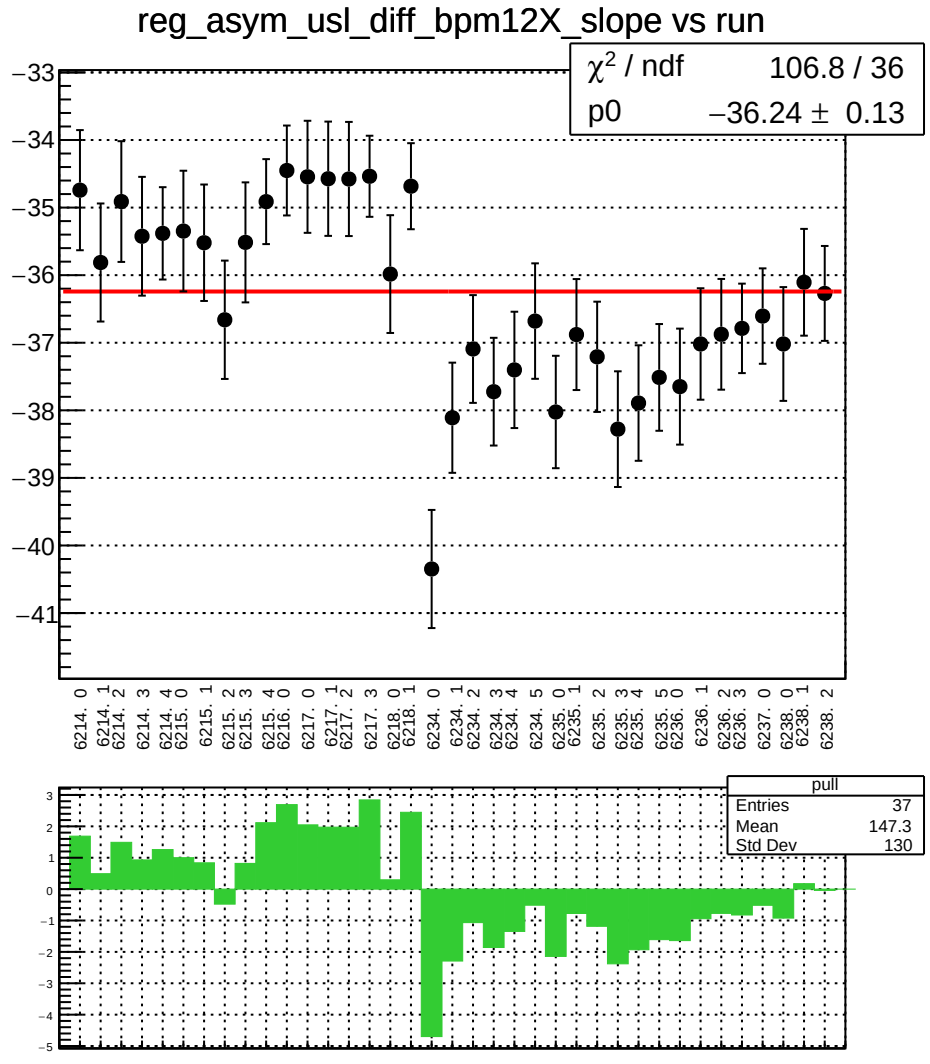

pull1D
Entries 37
Mean −0.06423
Std Dev 0.9386

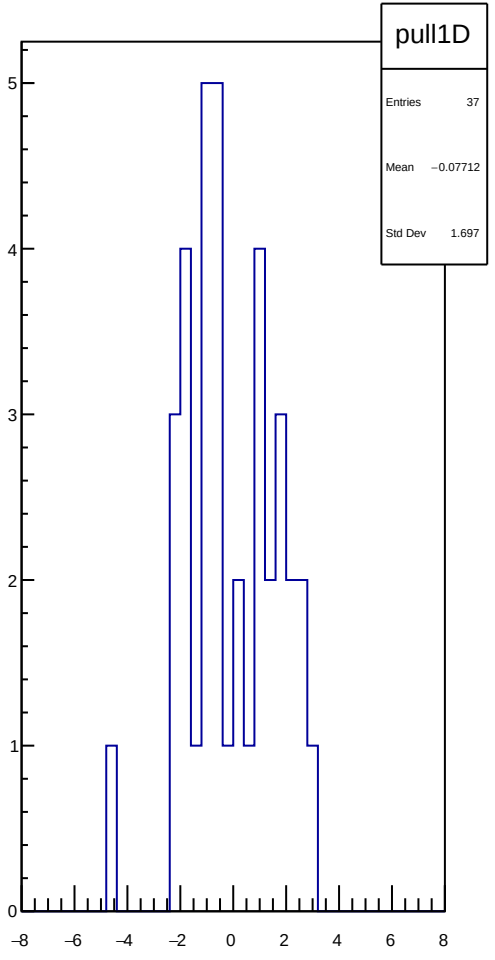

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 26.01 / 36
p0 46.58 ± 2.818
100
80
60
40
20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.959
Std Dev 27.27
1.5
1
0.5
0
−0.5
−1
−1.5

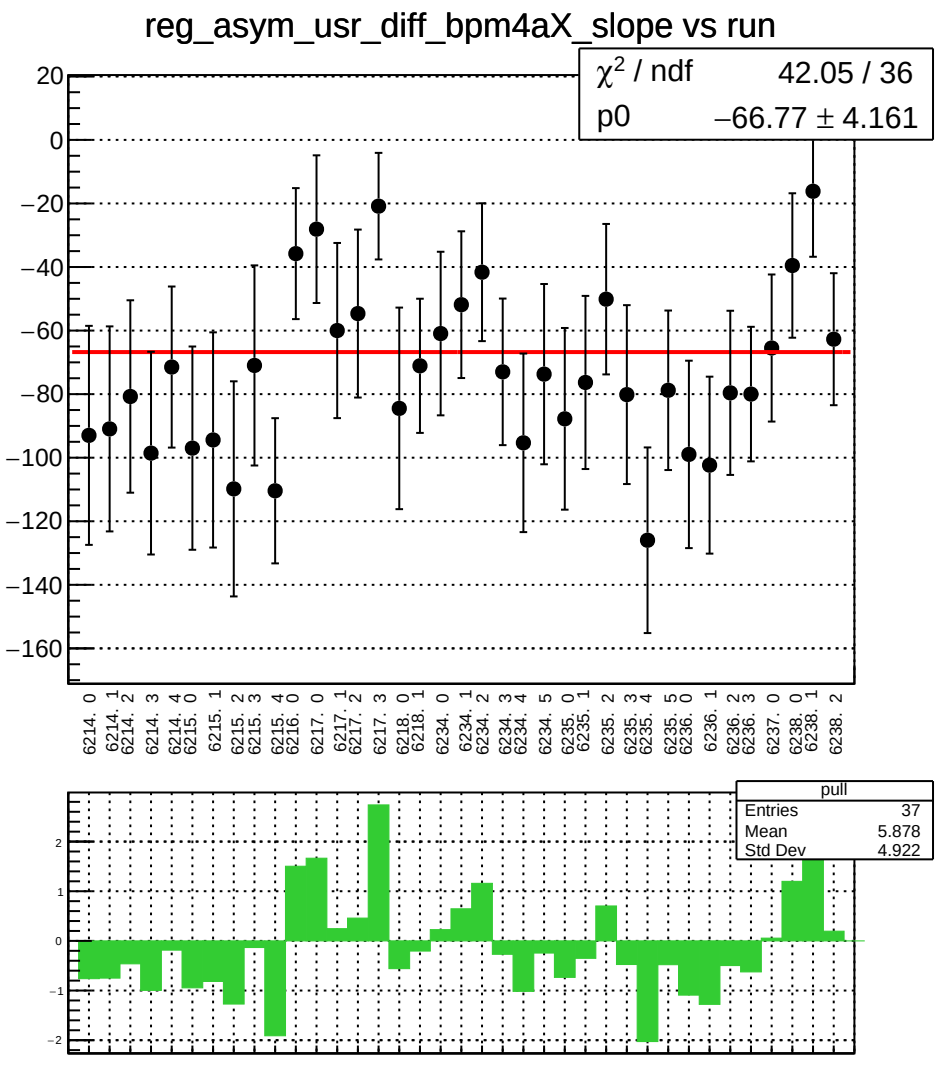

pull1D
Entries 37
Mean 0.08269
Std Dev 0.8343
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

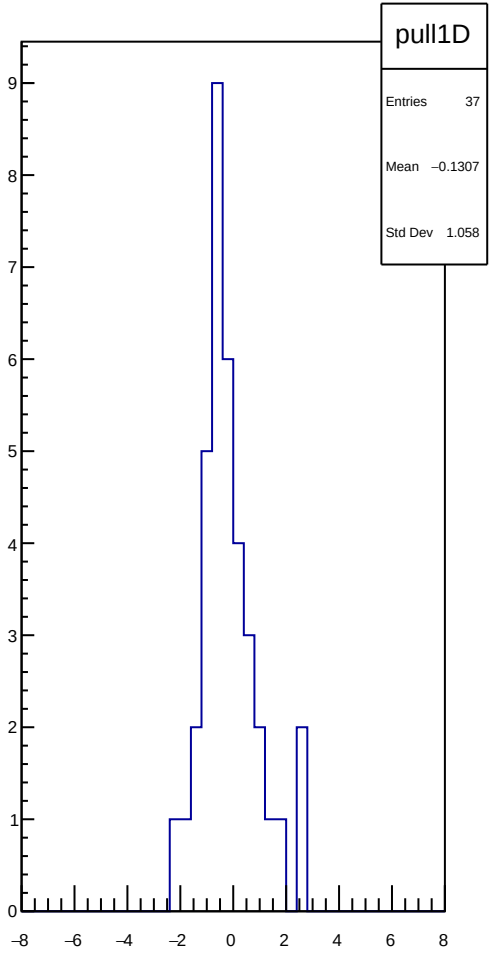

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 34.07 / 36
p0 10.07 ± 1.75
pull
Entries 37
Mean −29.98
Std Dev 43.02

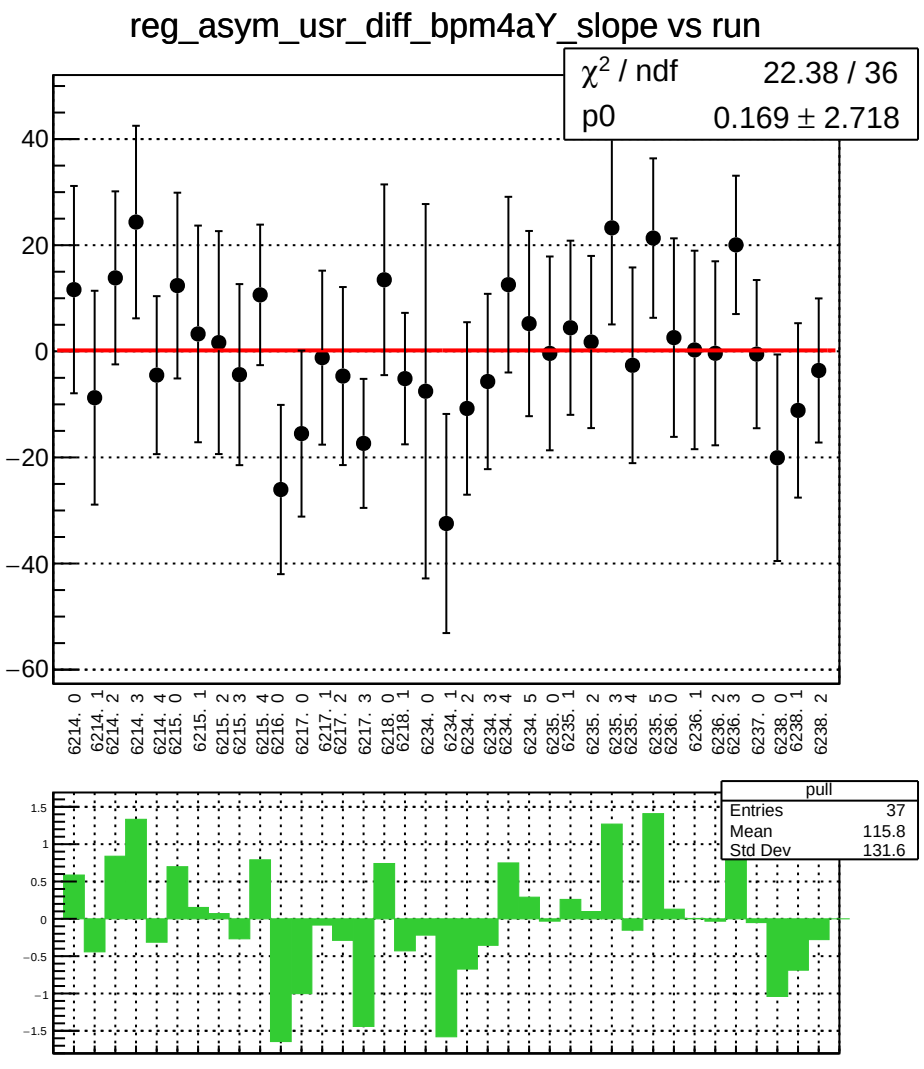

pull1D
Entries 37
Mean 0.05406
Std Dev 0.9581

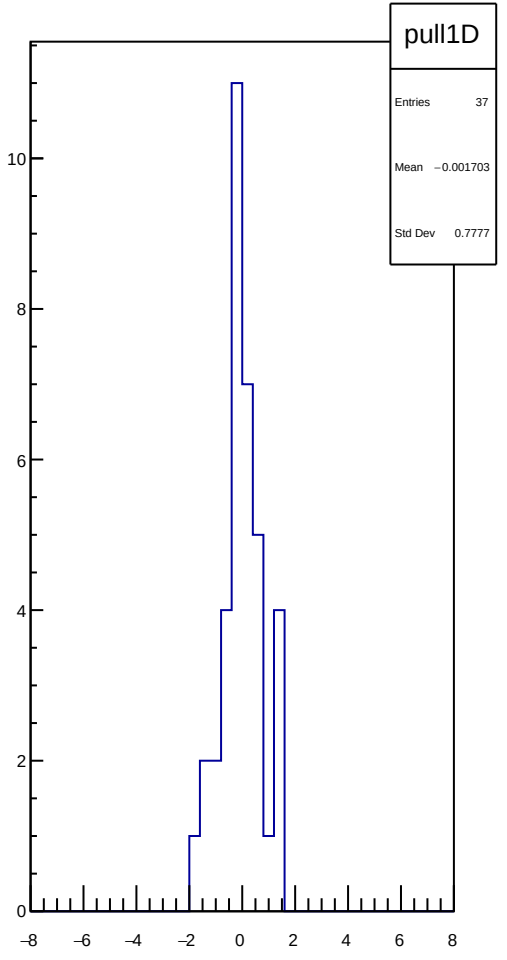

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 106.8 / 36
p0 −36.24 ± 0.13
pull
Entries 37
Mean 147.3
Std Dev 130

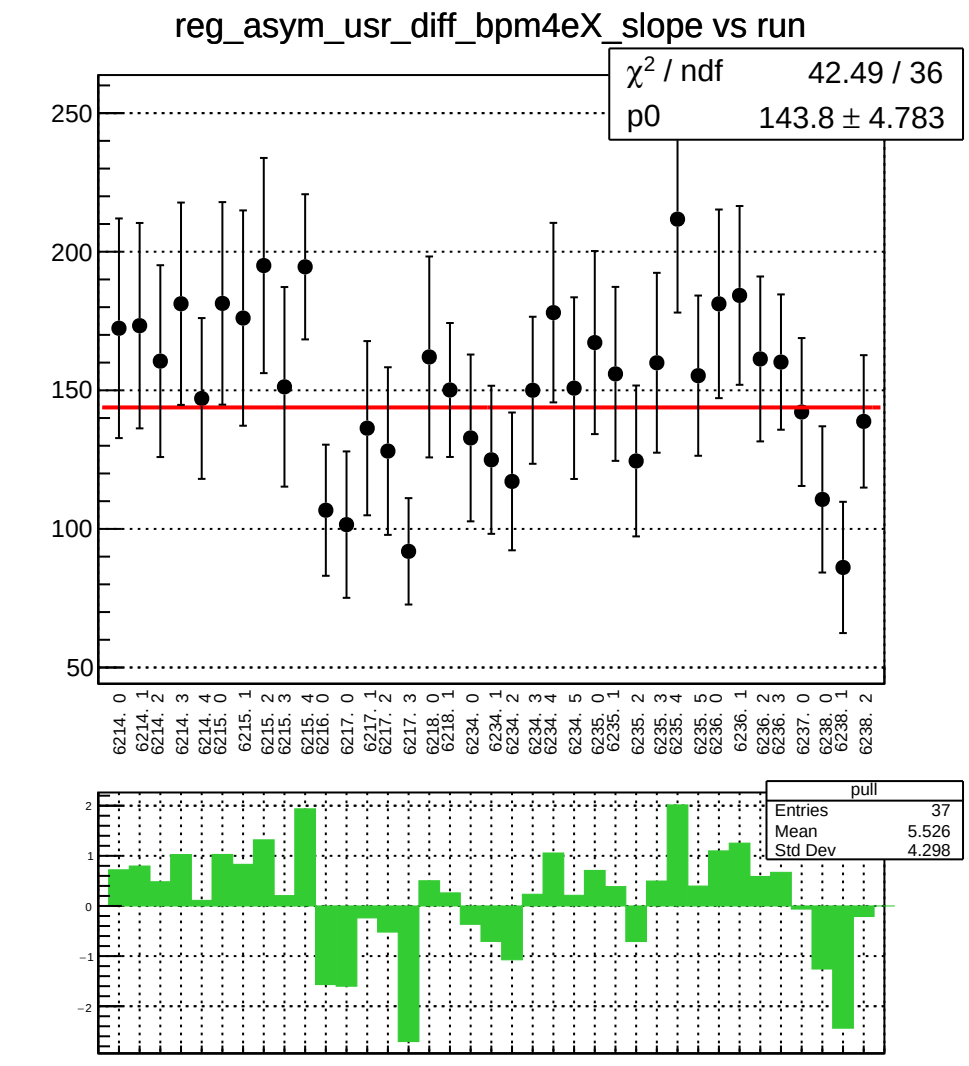

pull1D
Entries 37
Mean −0.07712
Std Dev 1.697

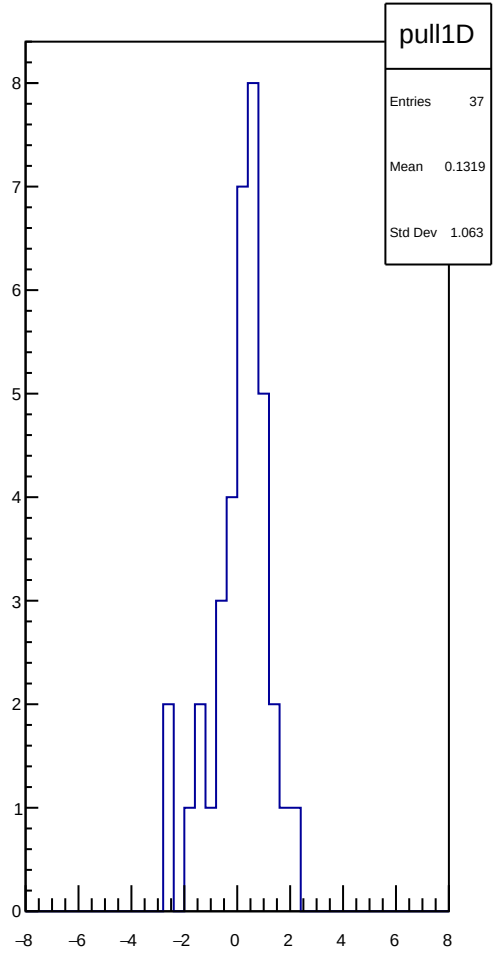

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 42.05 / 36
p0 −66.77 ± 4.161
pull
Entries 37
Mean 5.878
Std Dev 4.922

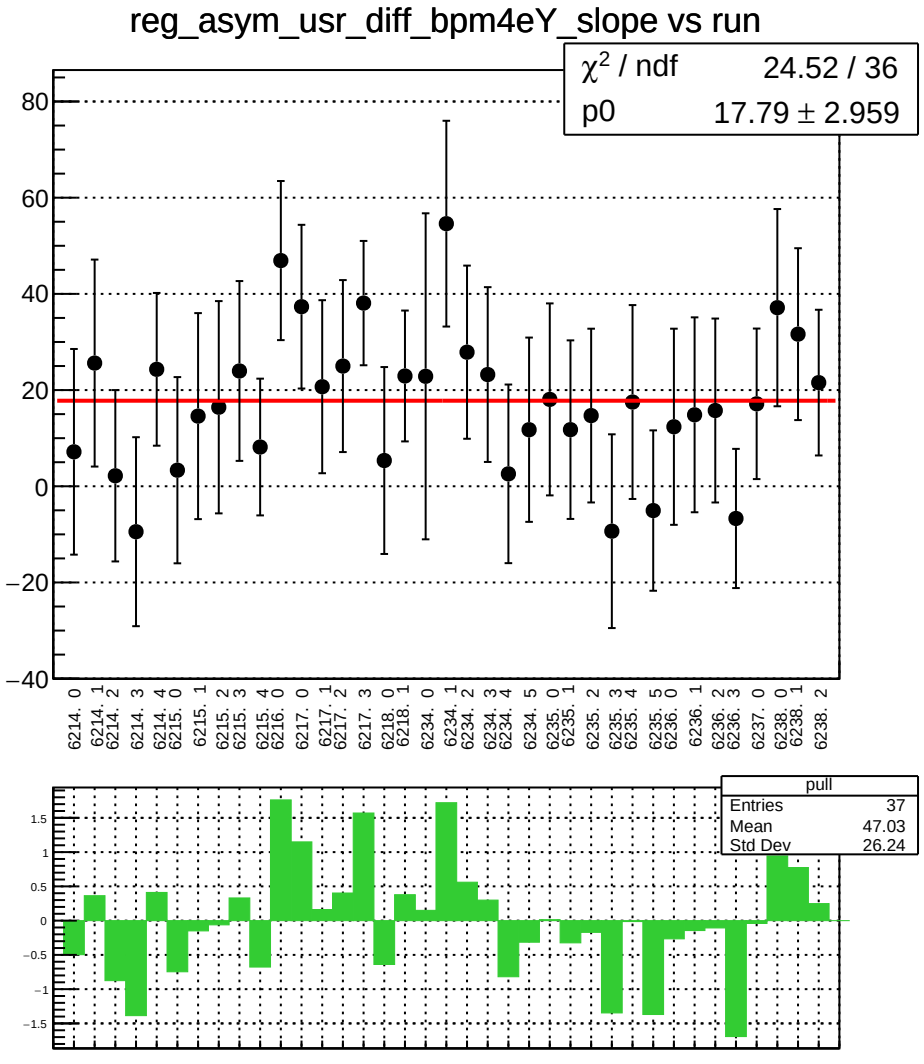

pull1D
Entries 37
Mean −0.1307
Std Dev 1.058

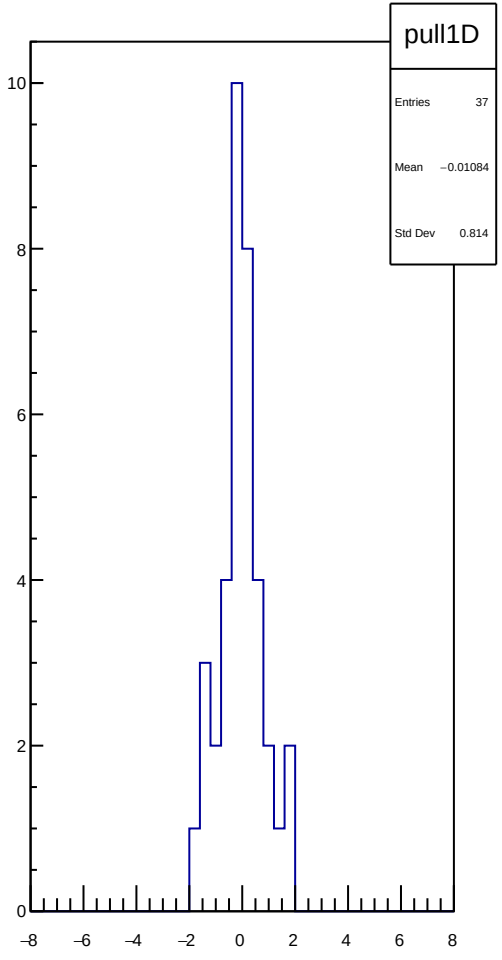

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 22.38 / 36
p0 0.169 ± 2.718
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 115.8
Std Dev 131.6
1.5
1
0.5
0
−0.5
−1
−1.5

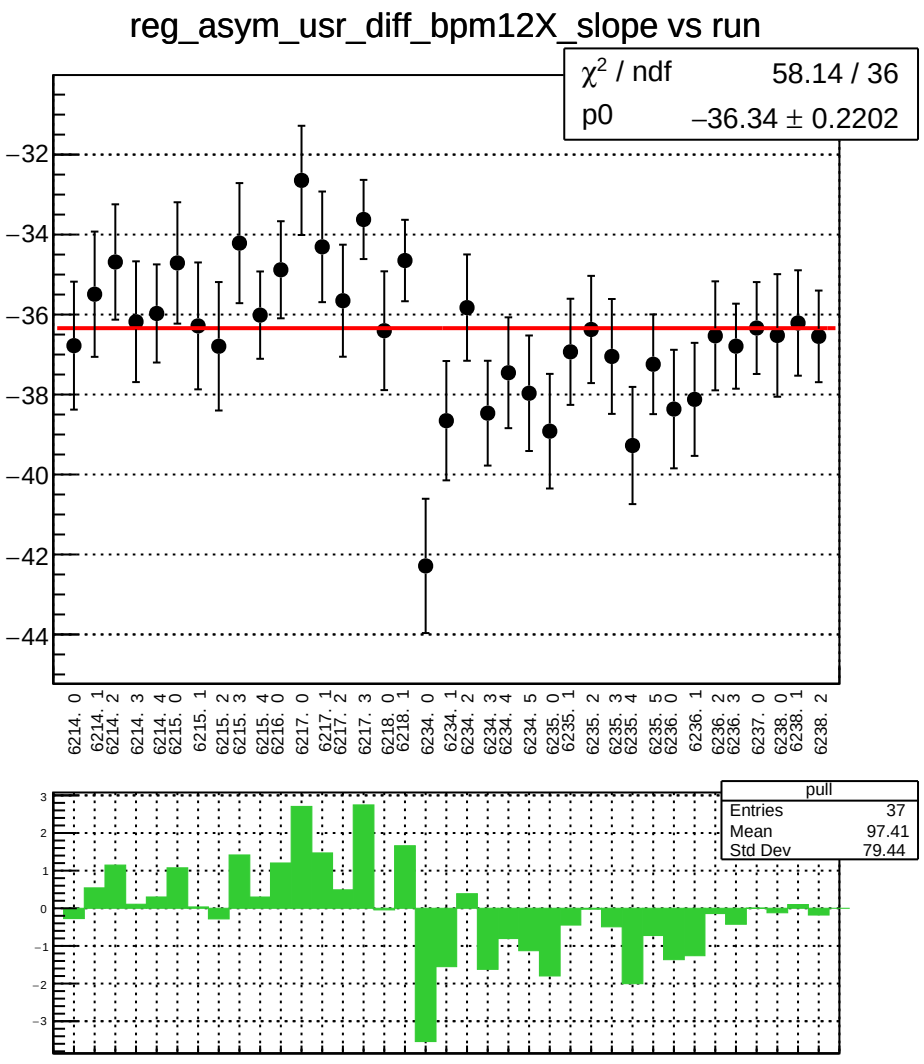

pull1D
Entries 37
Mean −0.001703
Std Dev 0.7777
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

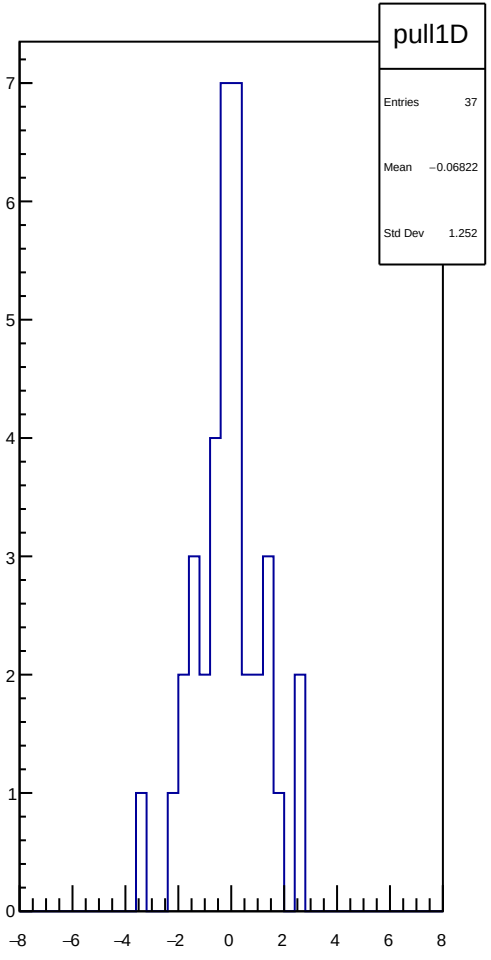

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 42.49 / 36
p0 143.8 ± 4.783
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 5.526
Std Dev 4.298
2
1
0
−1
−2

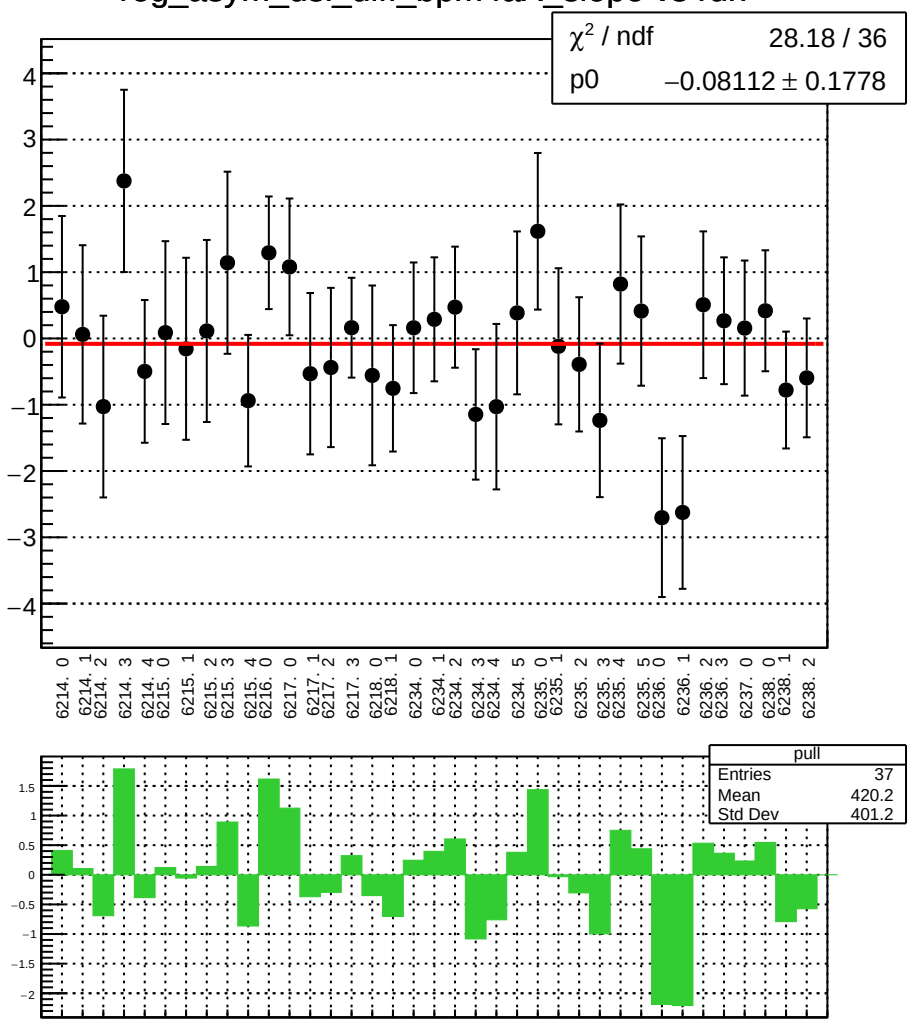

pull1D
Entries 37
Mean 0.1319
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

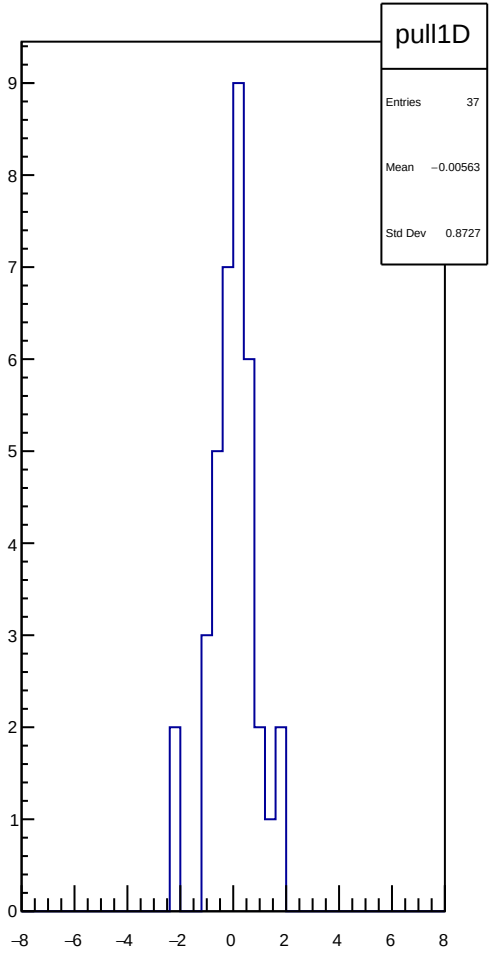

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 24.52 / 36
p0 17.79 ± 2.959
pull
Entries 37
Mean 47.03
Std Dev 26.24

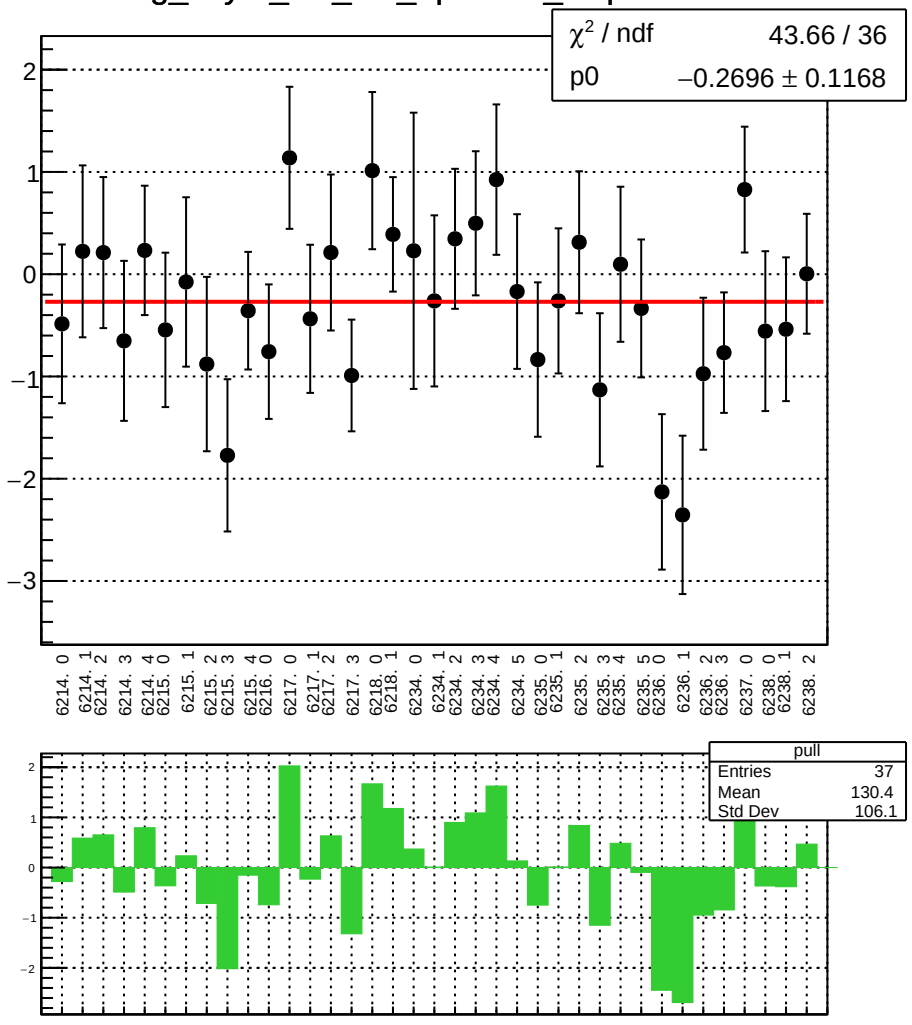

pull1D
Entries 37
Mean −0.01084
Std Dev 0.814

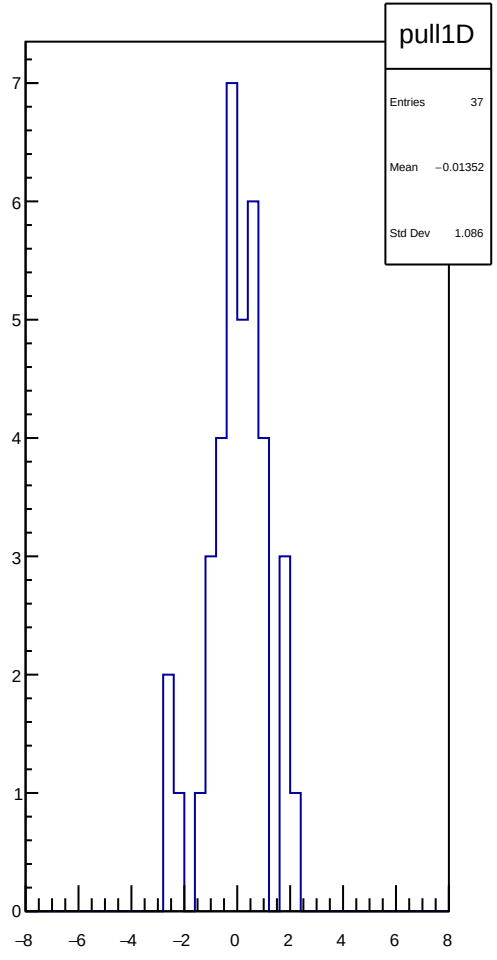

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 58.14 / 36
p0 −36.34 ± 0.2202
−32
−34
−36
−38
−40
−42
−44
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 97.41
Std Dev 79.44
3
2
1
0
−1
−2
−3

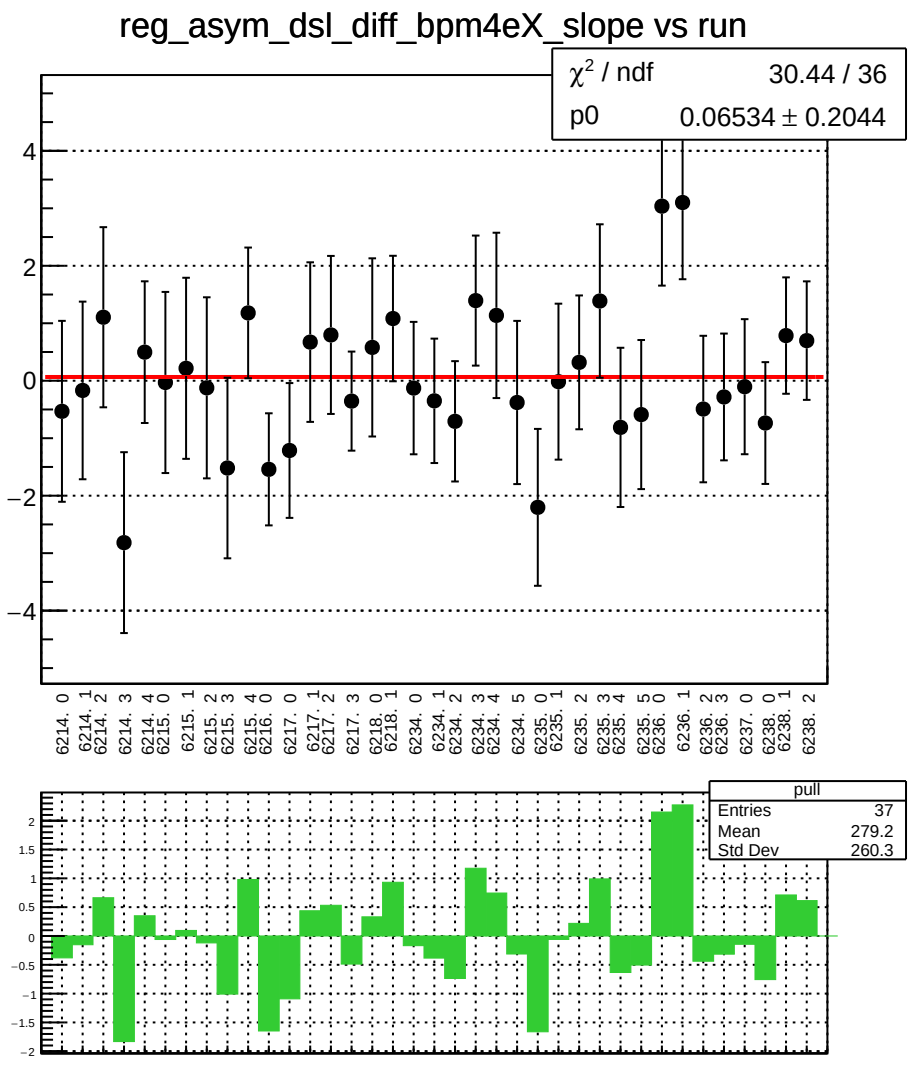

pull1D
Entries 37
Mean −0.06822
Std Dev 1.252
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

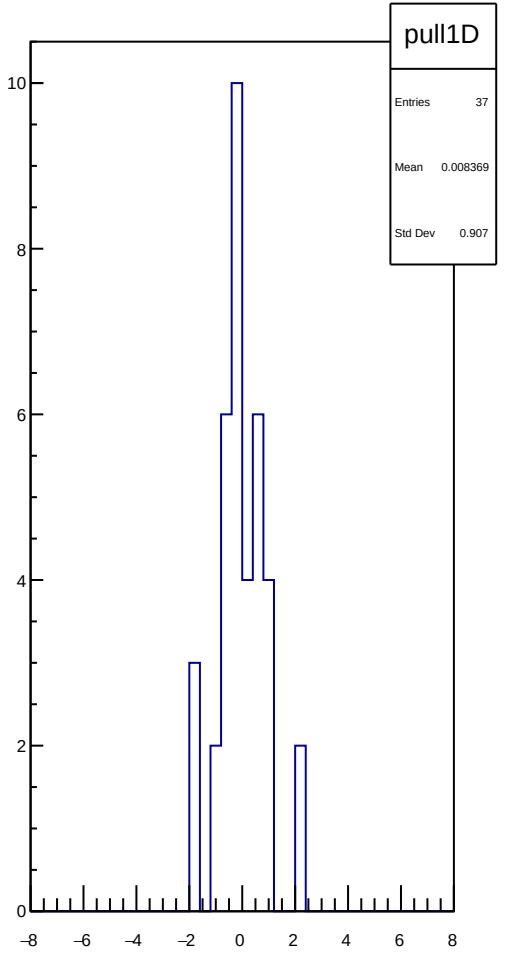

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 28.18 / 36
p0 −0.08112 ± 0.1778
pull
Entries 37
Mean 420.2
Std Dev 401.2

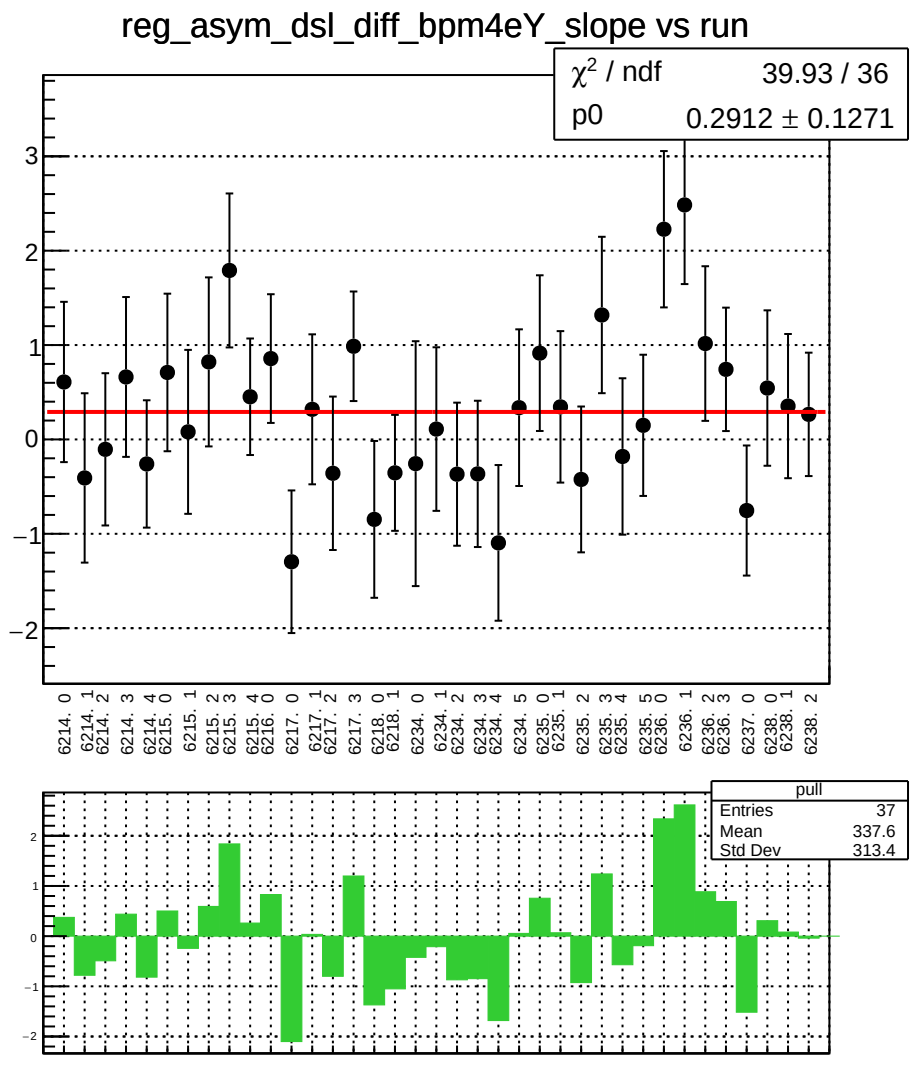

pull1D
Entries 37
Mean −0.00563
Std Dev 0.8727

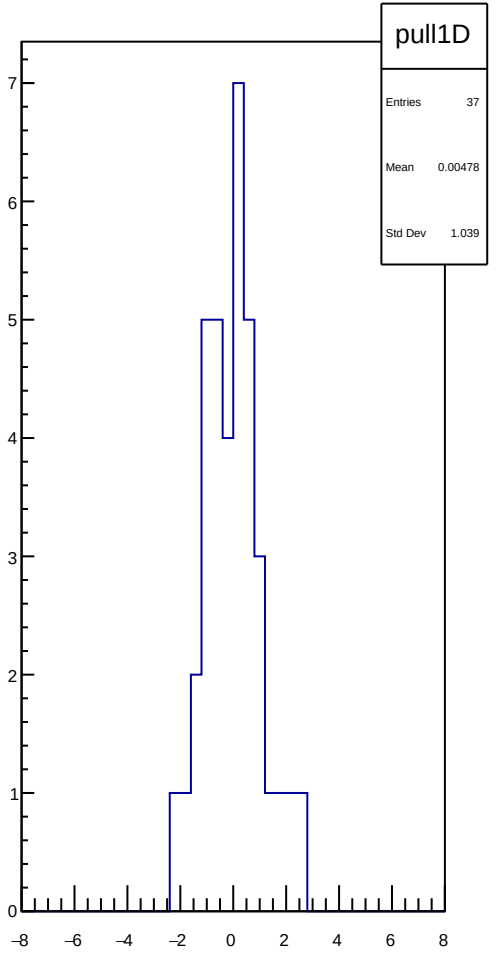

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 43.66 / 36
p0 −0.2696 ± 0.1168
pull
Entries 37
Mean 130.4
Std Dev 106.1

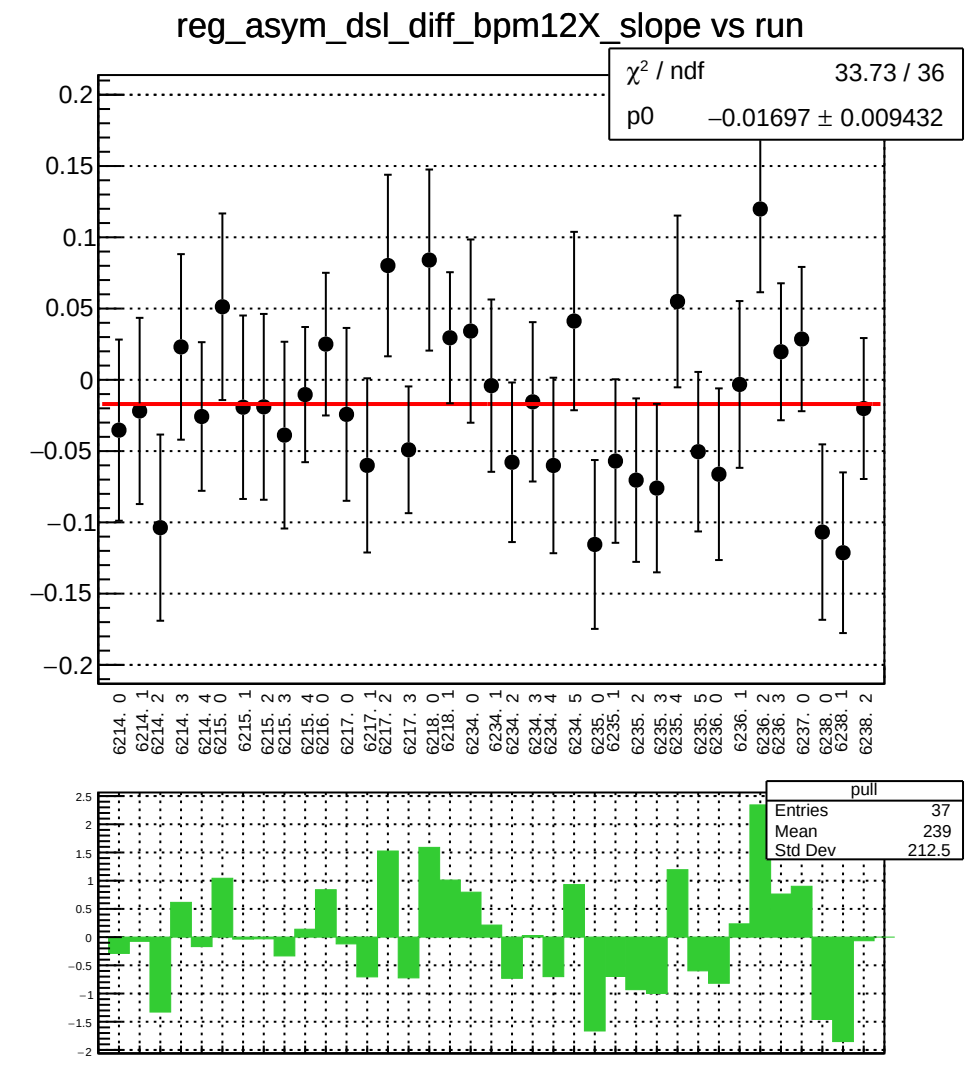

pull1D
Entries 37
Mean −0.01352
Std Dev 1.086

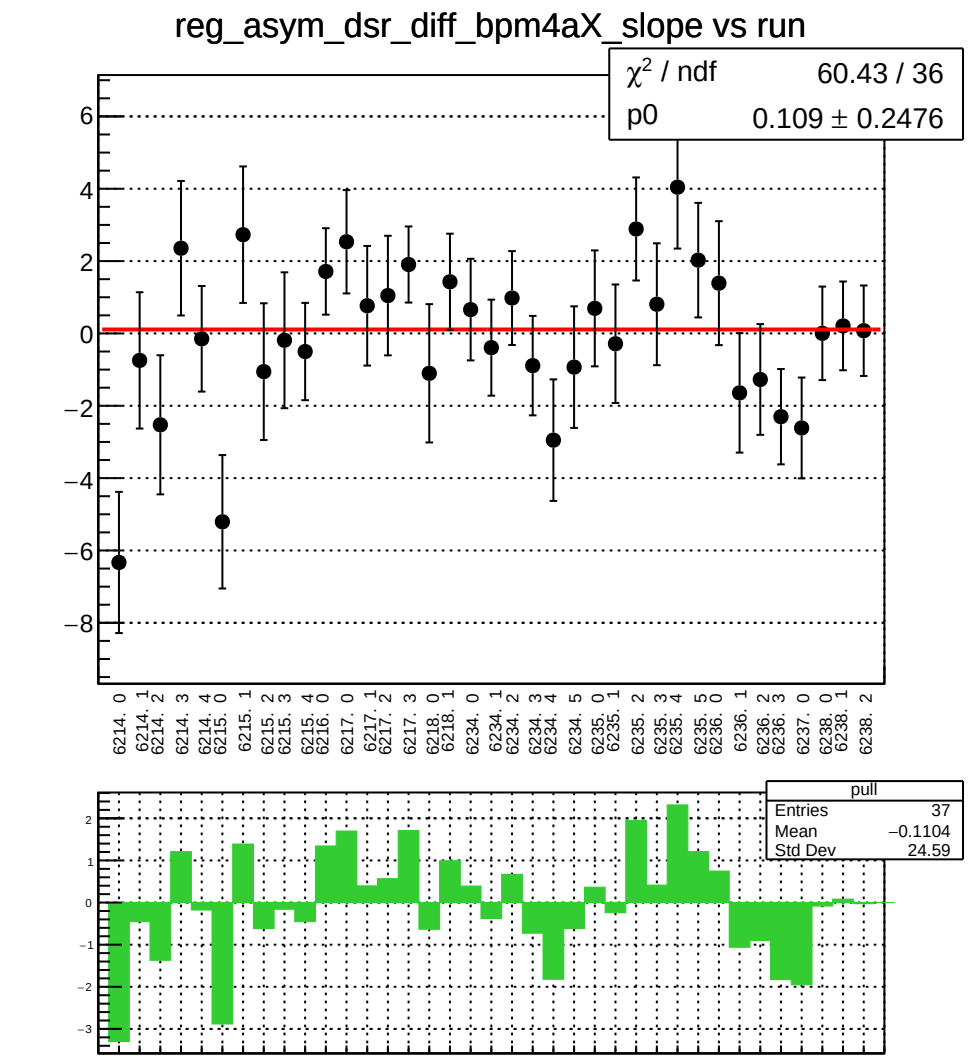

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 30.44 / 36
p0 0.06534 ± 0.2044
4
2
0
−2
−4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 279.2
Std Dev 260.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

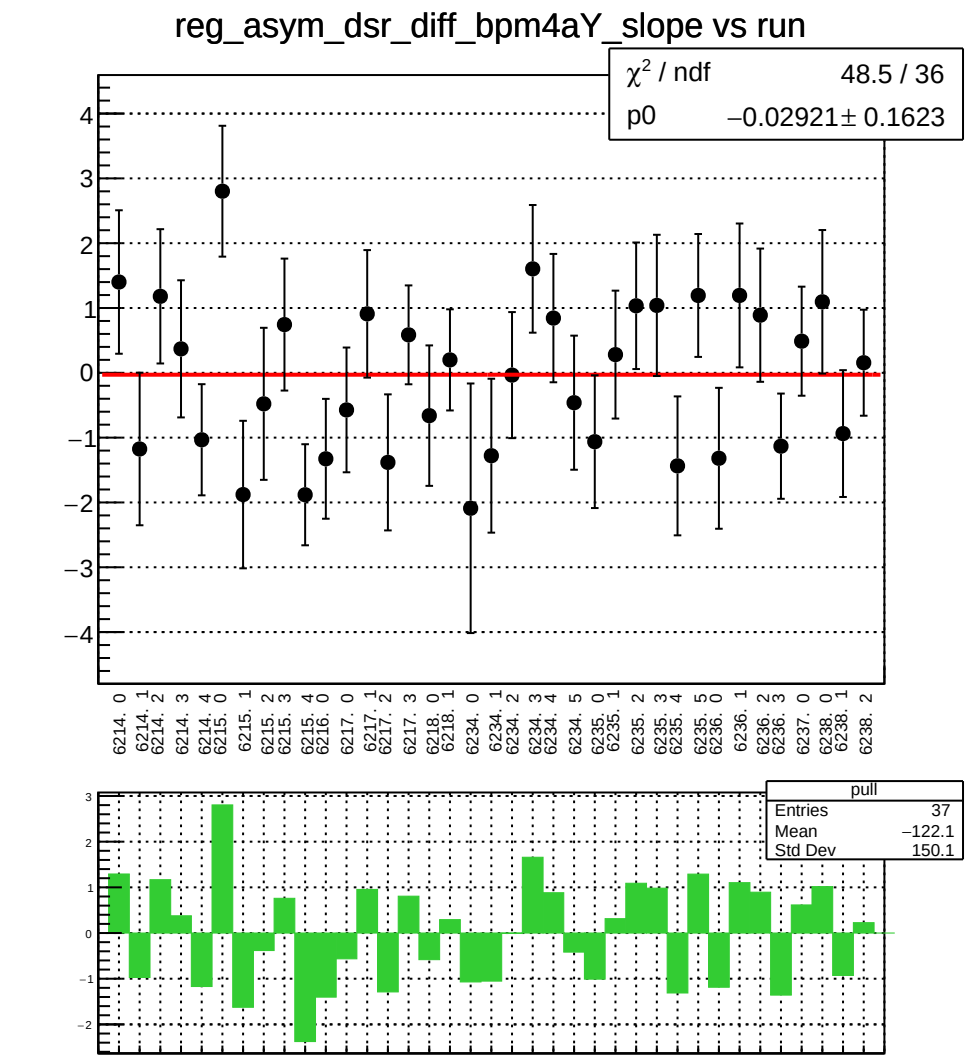

pull1D
Entries 37
Mean 0.008369
Std Dev 0.907
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

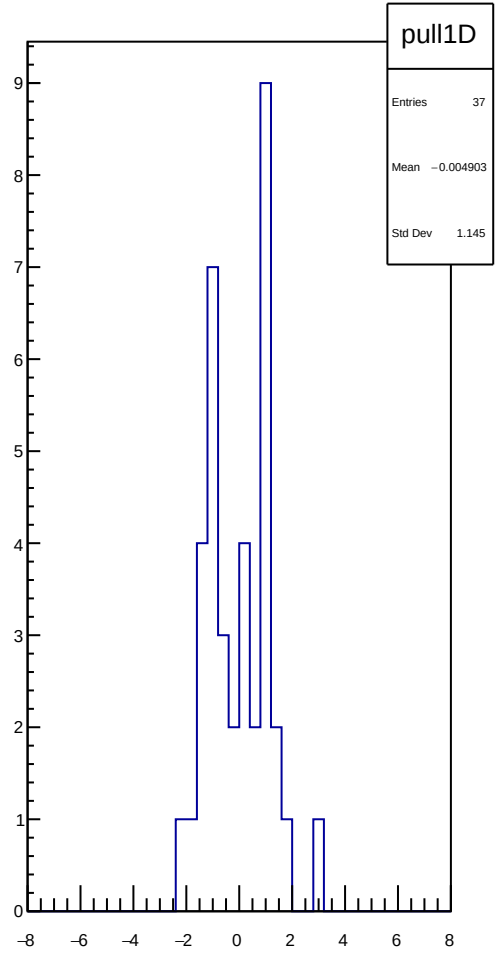

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 39.93 / 36
p0 0.2912 ± 0.1271
3
2
1
0
−1
−2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 337.6
Std Dev 313.4
2
1
0
−1
−2

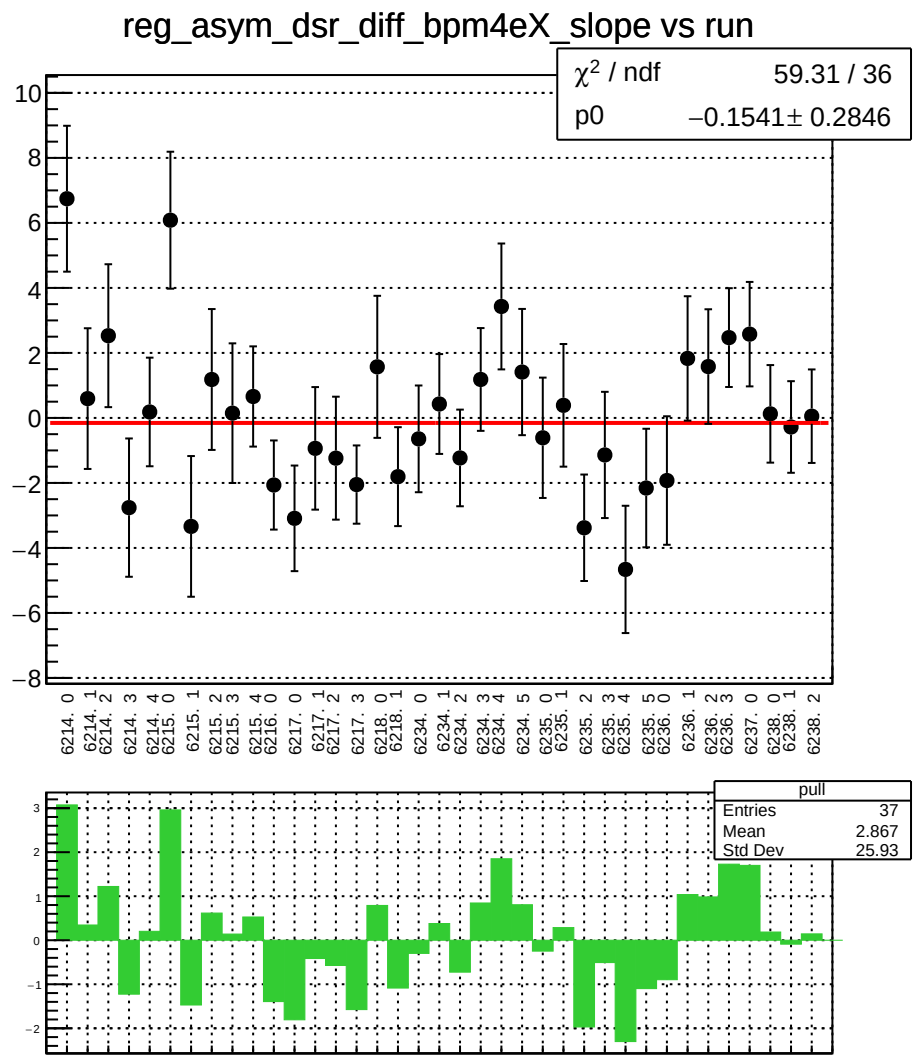

pull1D
Entries 37
Mean 0.00478
Std Dev 1.039
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

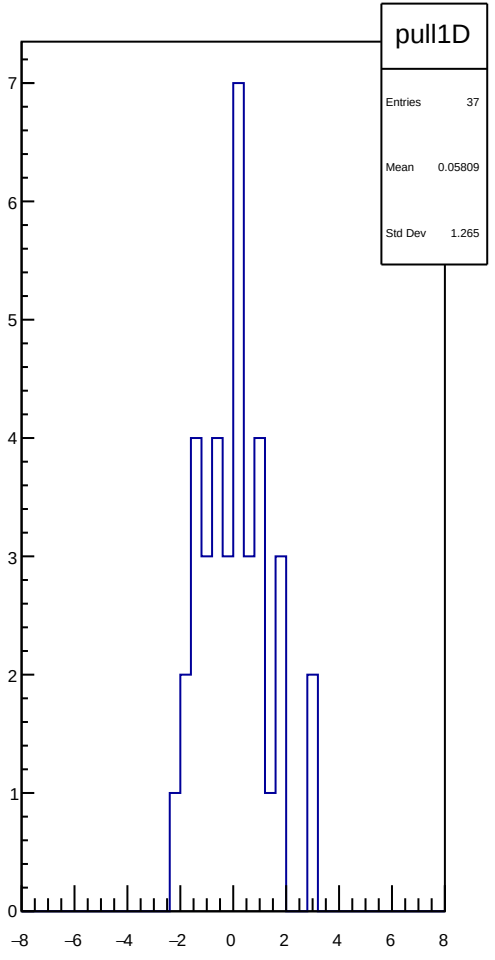

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 33.73 / 36
p0 −0.01697 ± 0.009432
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 239
Std Dev 212.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.004004
Std Dev 0.9548
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

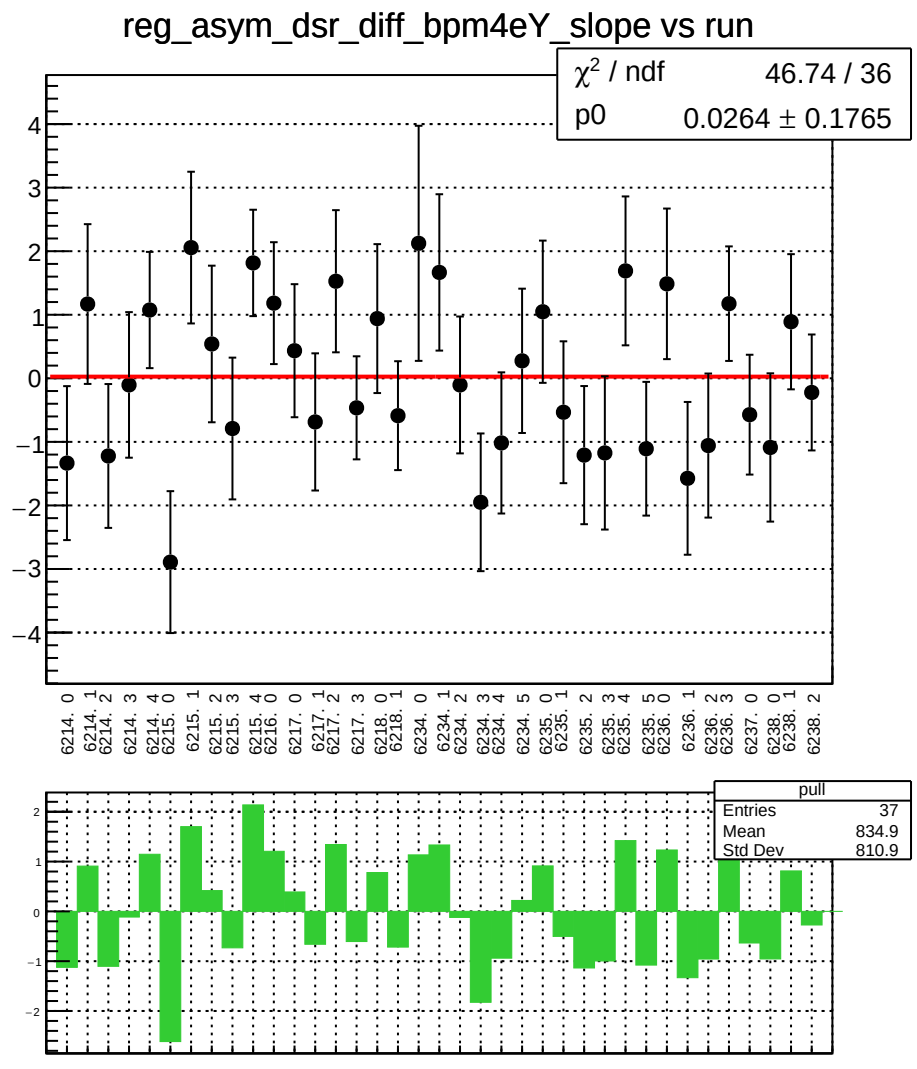

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 60.43 / 36
p0 0.109 ± 0.2476
6
4
2
0
−2
−4
−6
−8
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −0.1104
Std Dev 24.59
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.06027
Std Dev 1.277
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

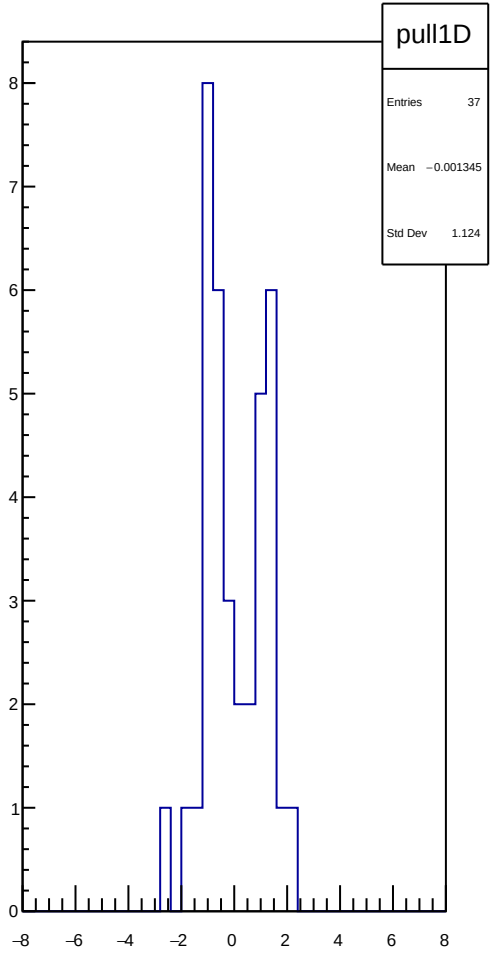

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 48.5 / 36
p0 −0.02921± 0.1623
pull
Entries 37
Mean −122.1
Std Dev 150.1

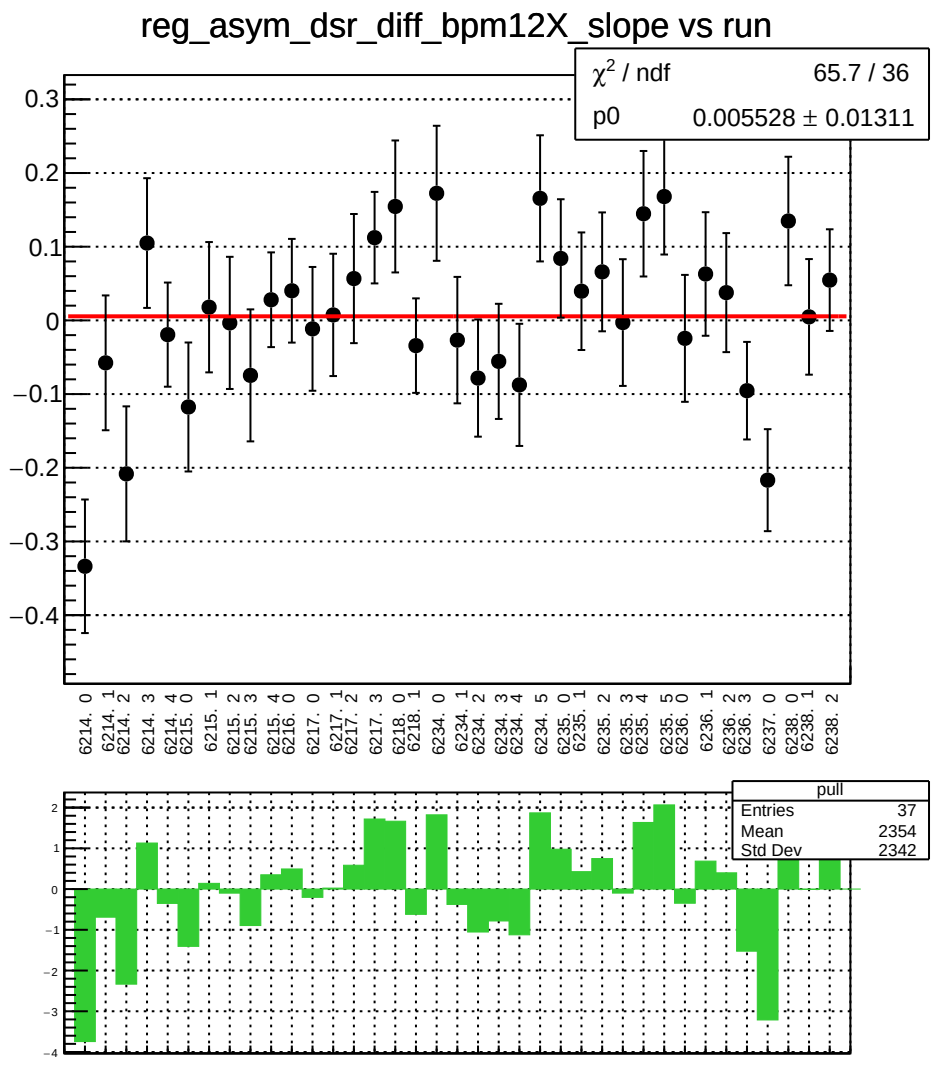

pull1D
Entries 37
Mean −0.004903
Std Dev 1.145

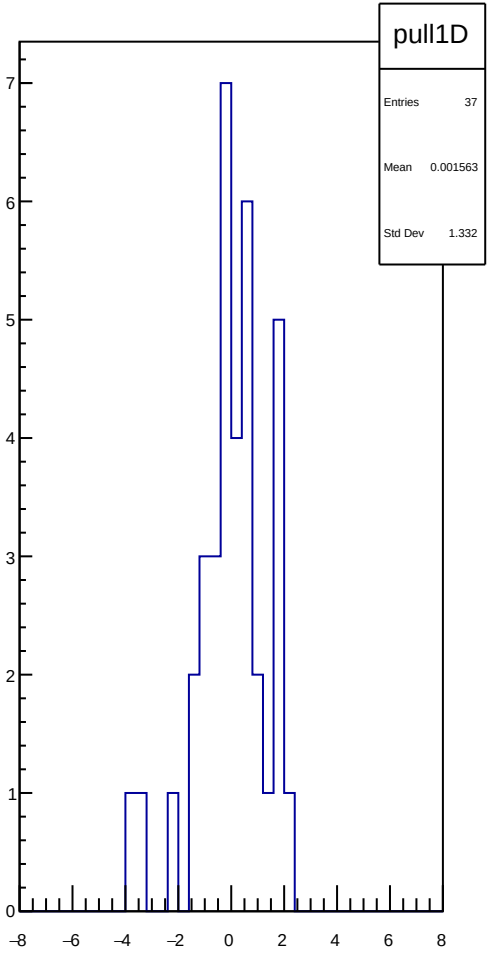

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 59.31 / 36
p0 −0.1541± 0.2846
pull
Entries 37
Mean 2.867
Std Dev 25.93

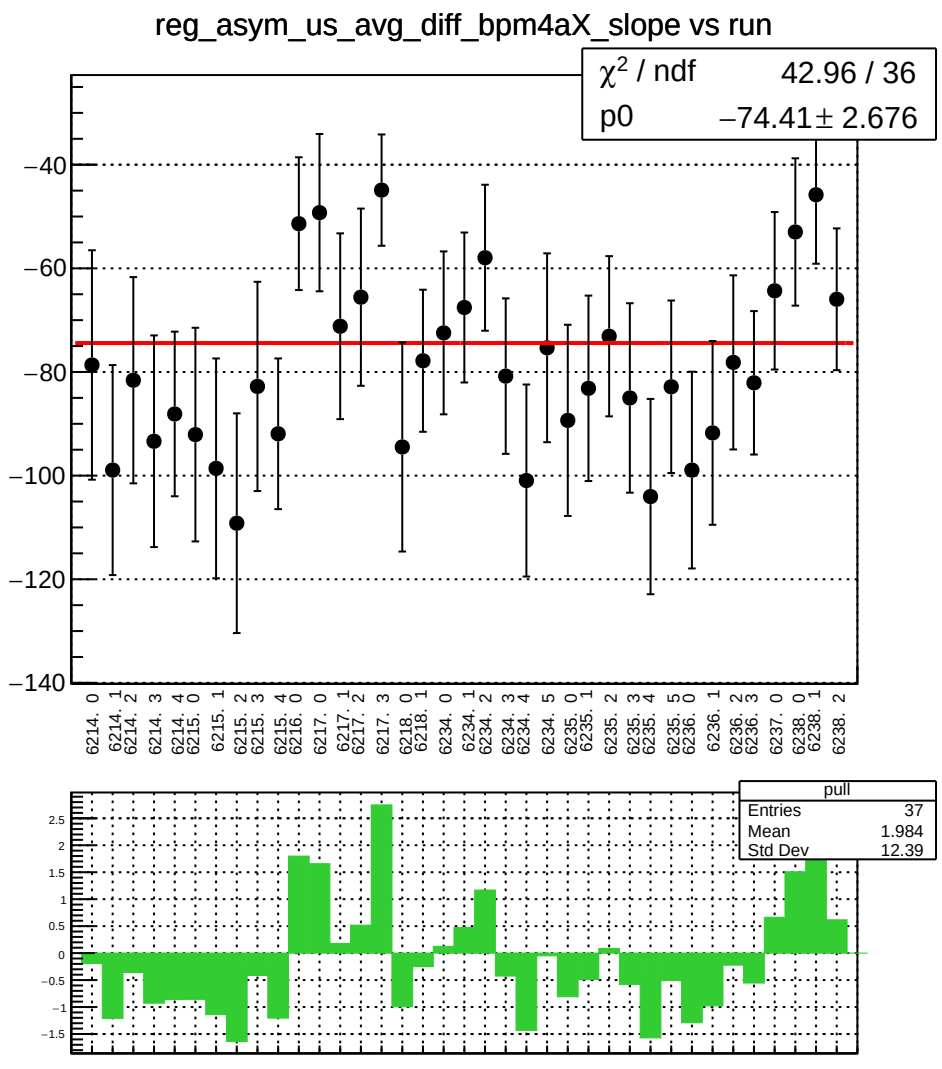

pull1D
Entries 37
Mean 0.05809
Std Dev 1.265

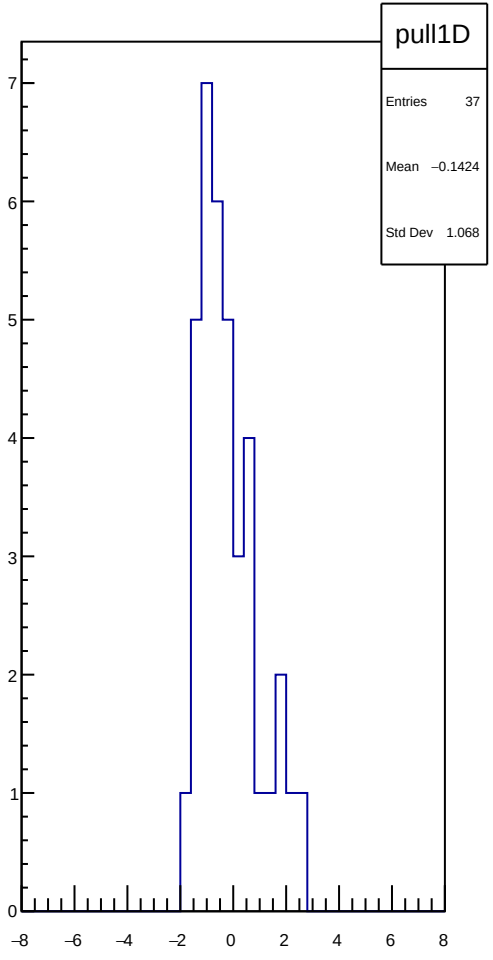

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 46.74 / 36
p0 0.0264 ± 0.1765
pull
Entries 37
Mean 834.9
Std Dev 810.9

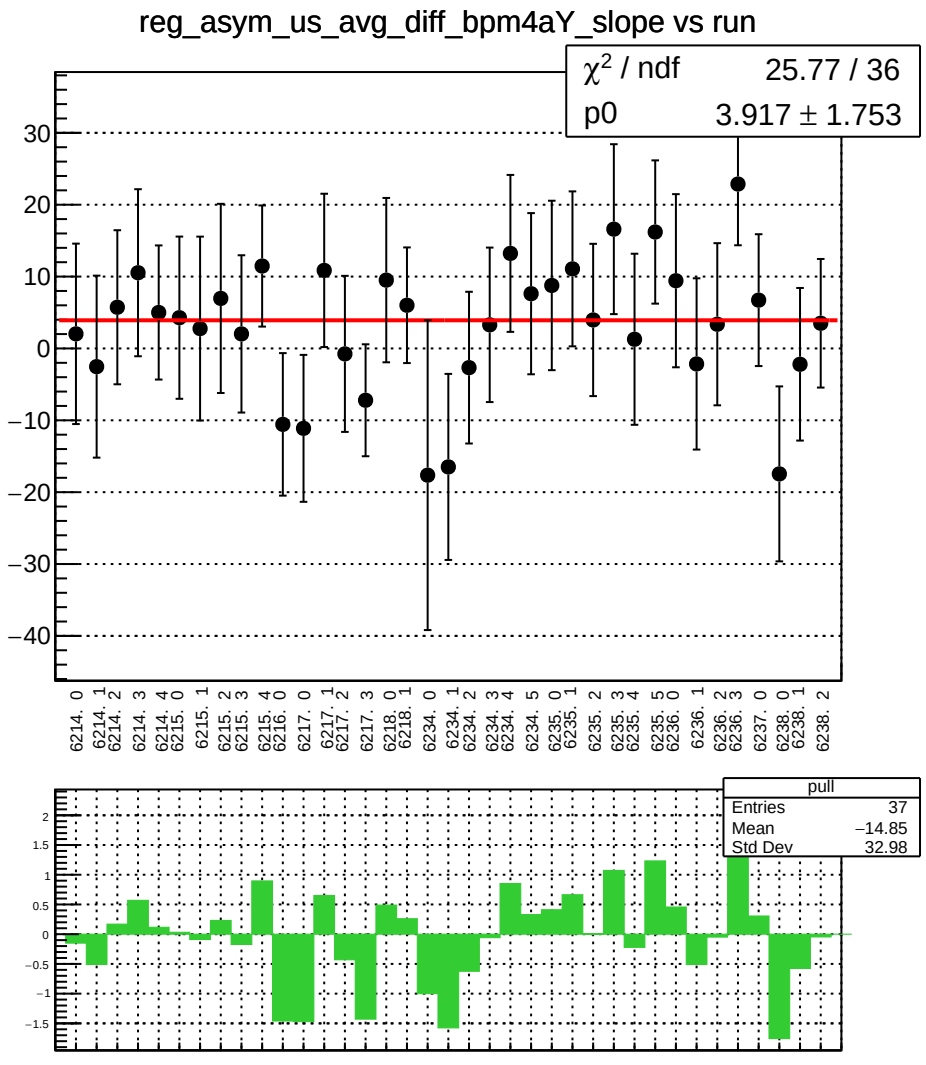

pull1D
Entries 37
Mean −0.001345
Std Dev 1.124

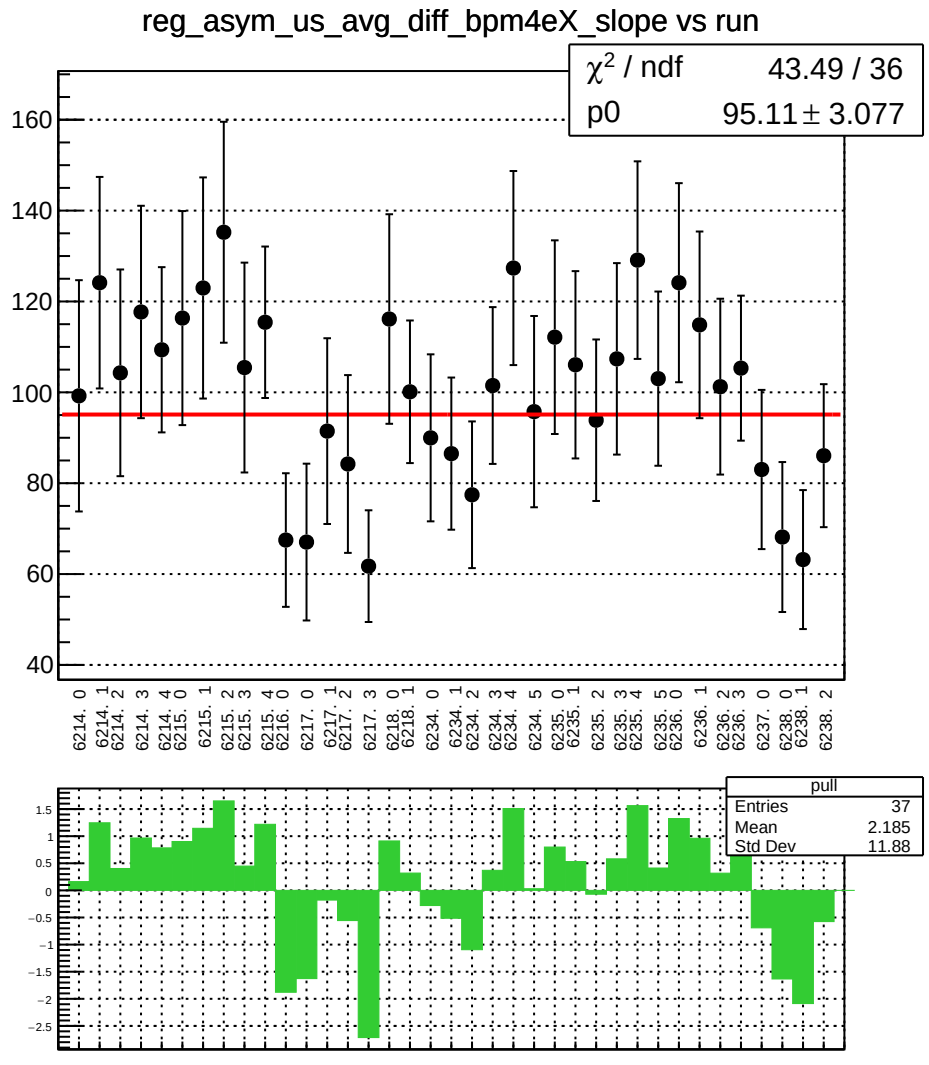

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 65.7 / 36
p0 0.005528 ± 0.01311
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 2354
Std Dev 2342
2
1
0
−1
−2
−3
−4

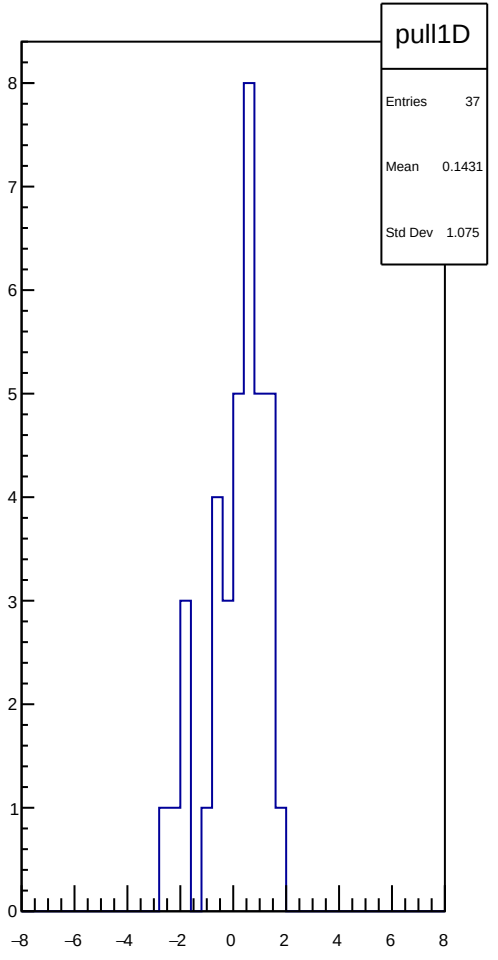

pull1D
Entries 37
Mean 0.001563
Std Dev 1.332
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

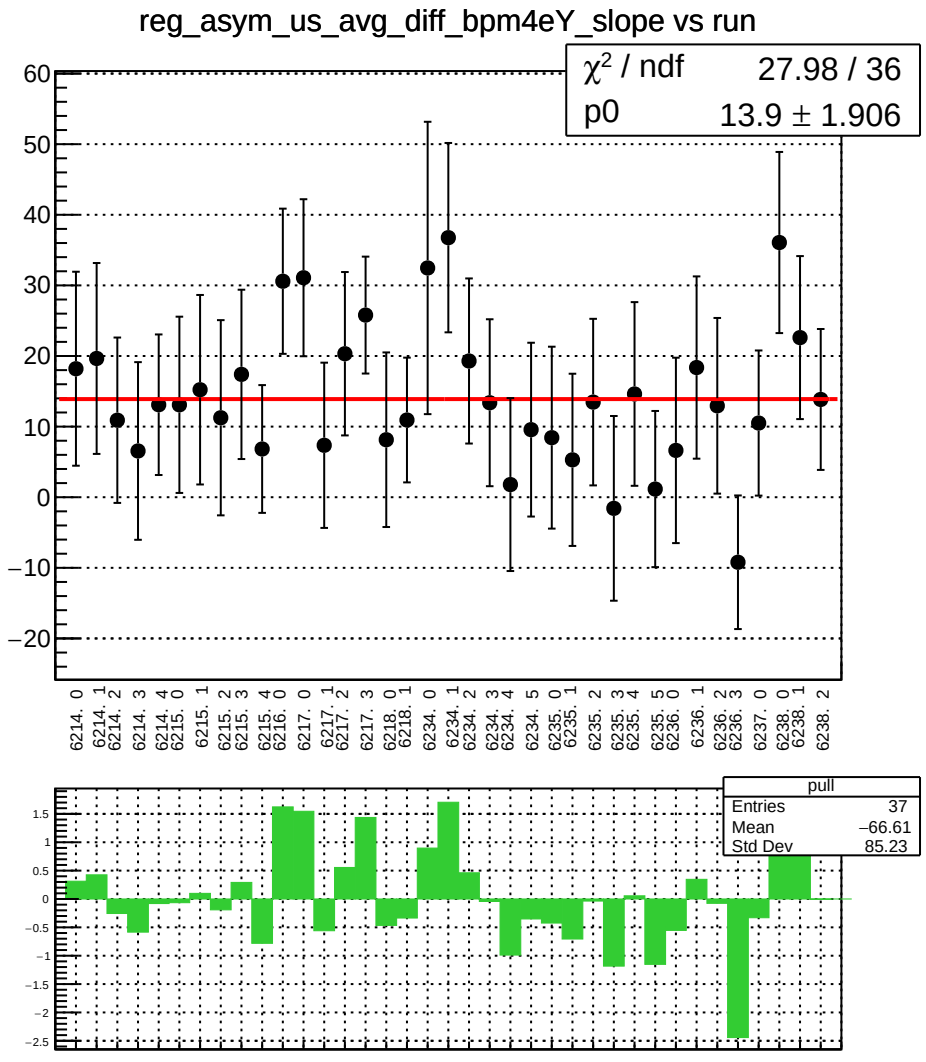

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 42.96 / 36
p0 −74.41 ± 2.676
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 1.984
Std Dev 12.39
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

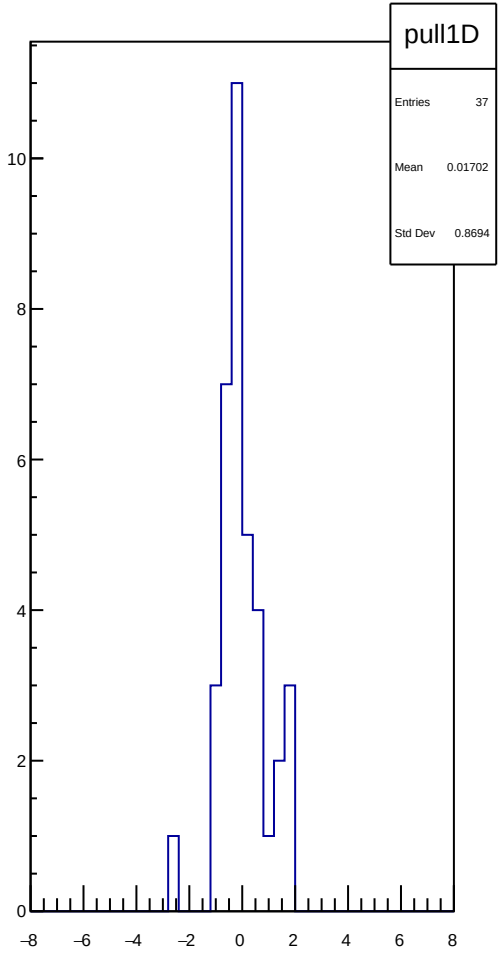

pull1D
Entries 37
Mean −0.1424
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

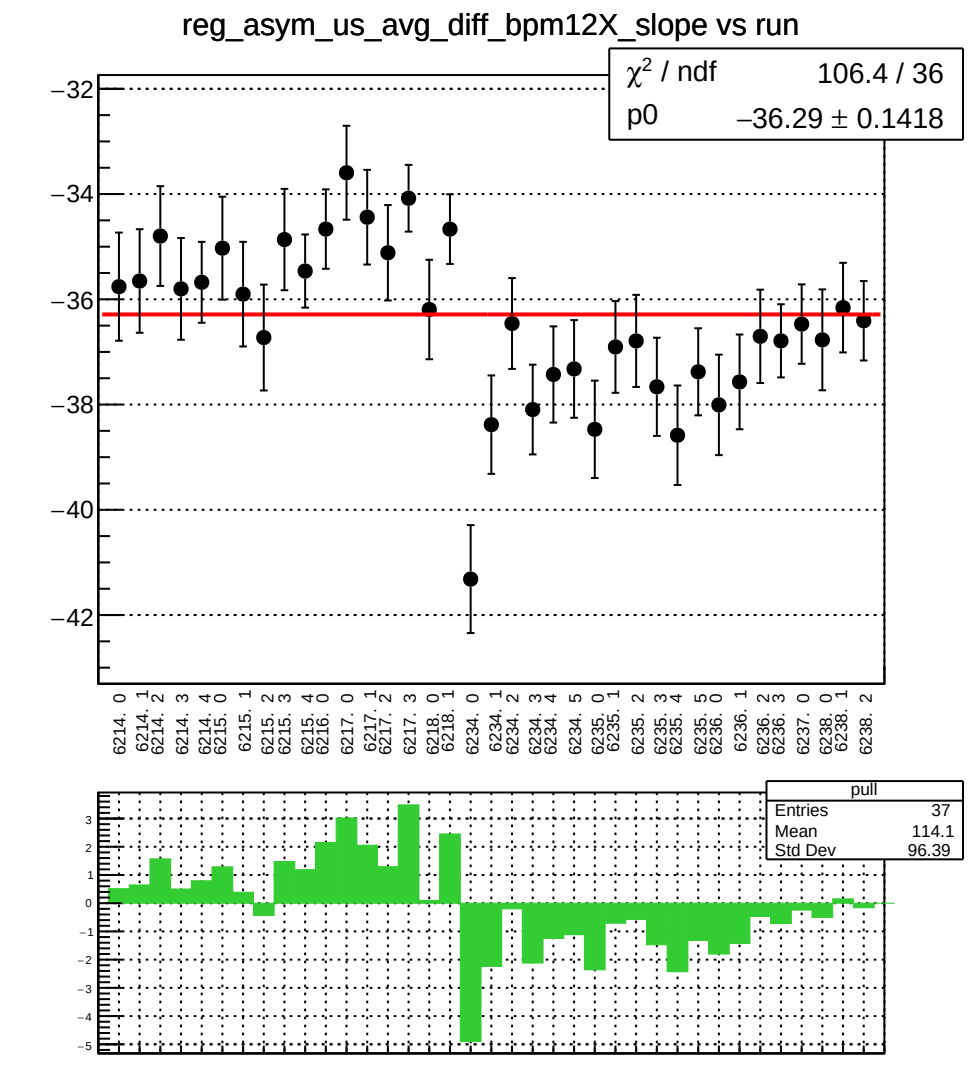

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.77 / 36
p0 3.917 ± 1.753
30
20
10
0
−10
−20
−30
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −14.85
Std Dev 32.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.03131
Std Dev 0.834
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

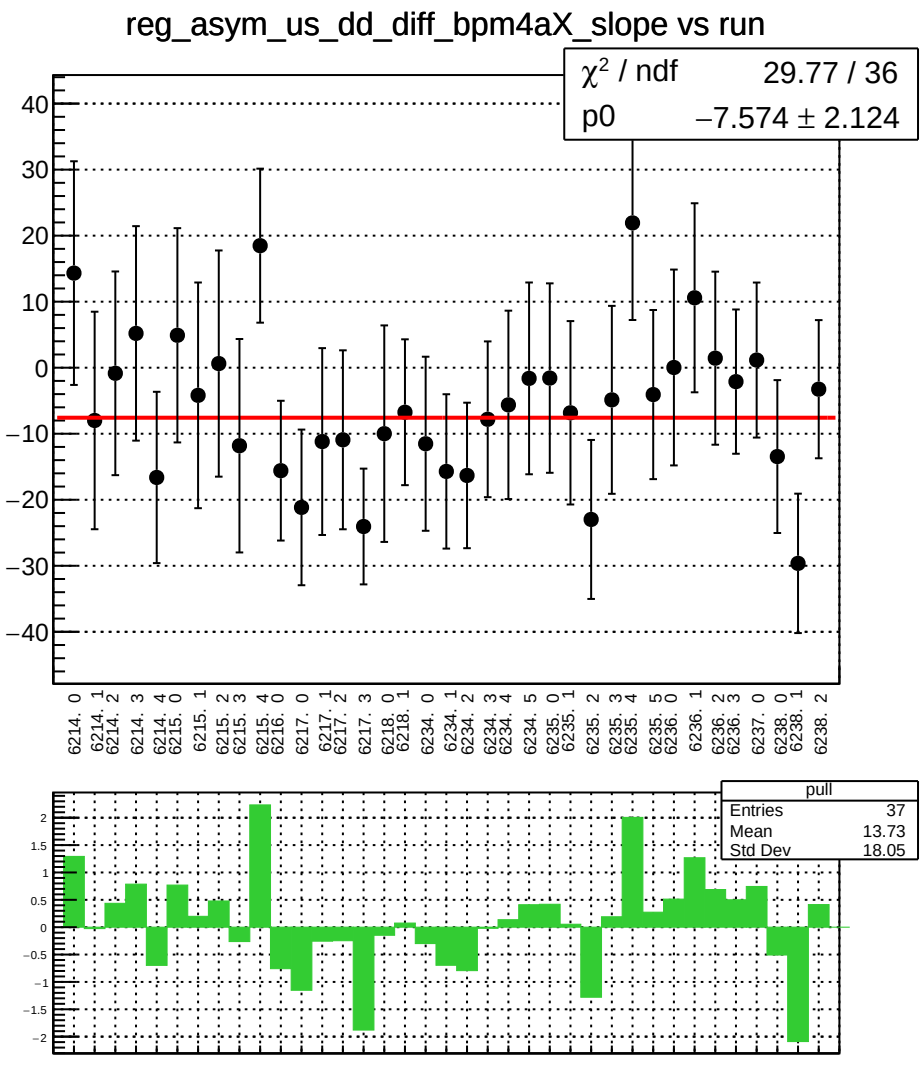

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.49 / 36
p0 95.11 ± 3.077
160
140
120
100
80
60
40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 2.185
Std Dev 11.88
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

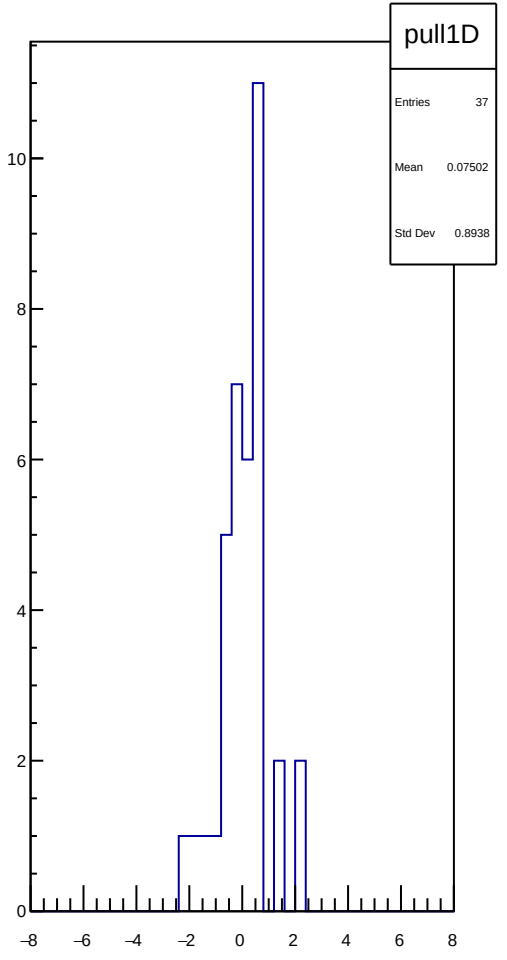

pull1D
Entries 37
Mean 0.1431
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

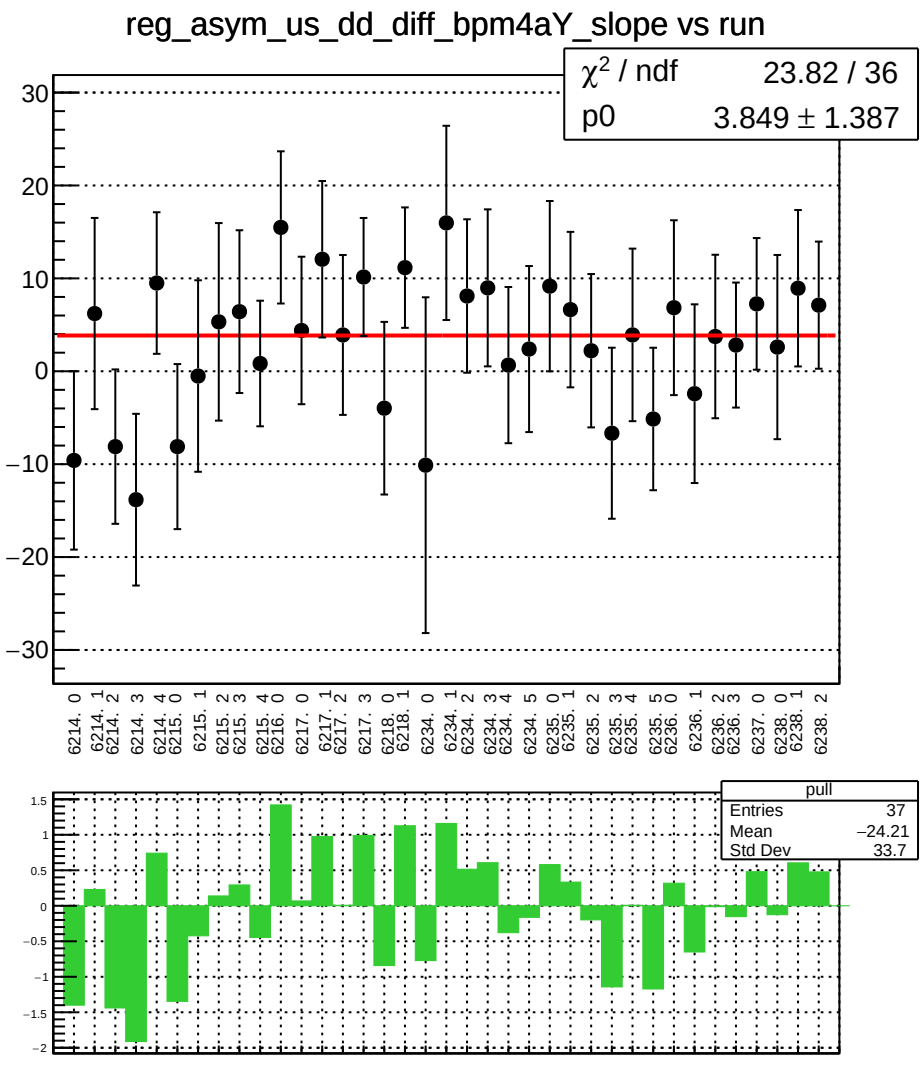

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.98 / 36
p0 13.9 ± 1.906
pull
Entries 37
Mean −66.61
Std Dev 85.23

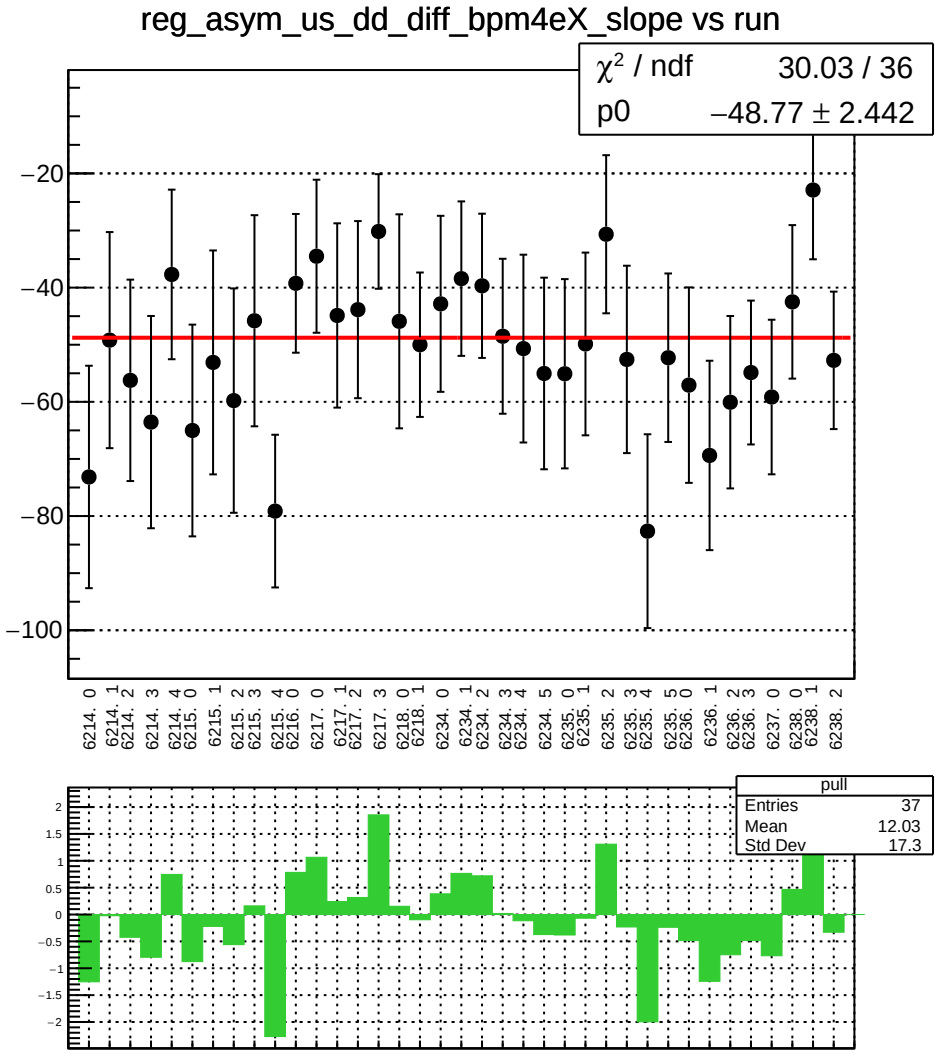

pull1D
Entries 37
Mean 0.01702
Std Dev 0.8694

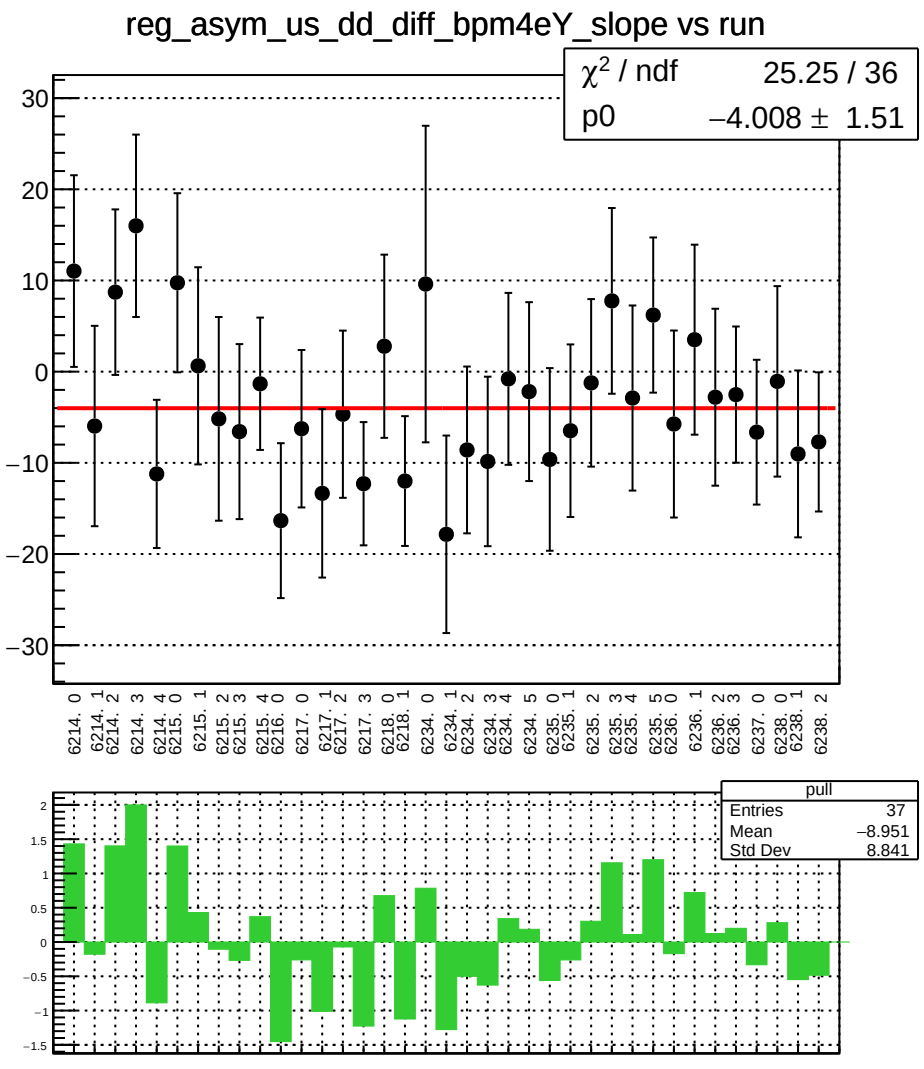

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 106.4 / 36
p0 −36.29 ± 0.1418
−32
−34
−36
−38
−40
−42
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 114.1
Std Dev 96.39
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 37
Mean −0.09107
Std Dev 1.693
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

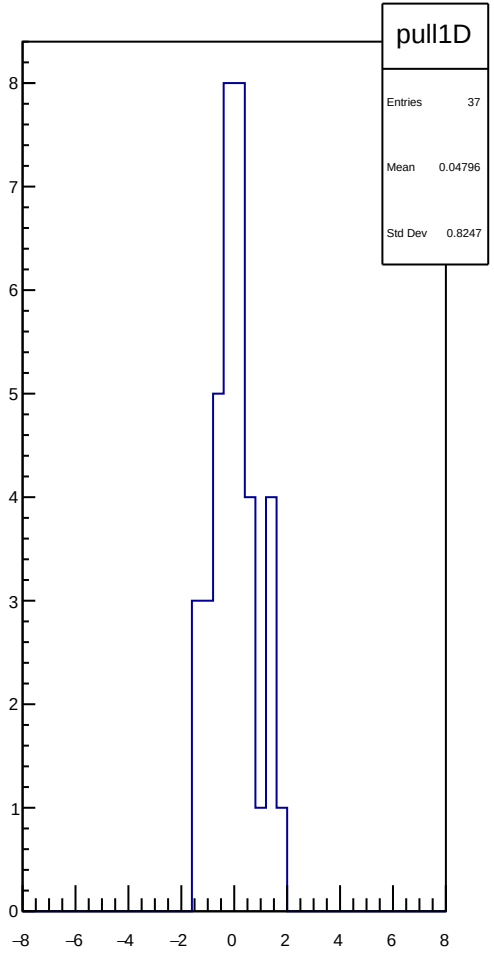

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 29.77 / 36
p0 −7.574 ± 2.124
40
30
20
10
0
−10
−20
−30
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 13.73
Std Dev 18.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

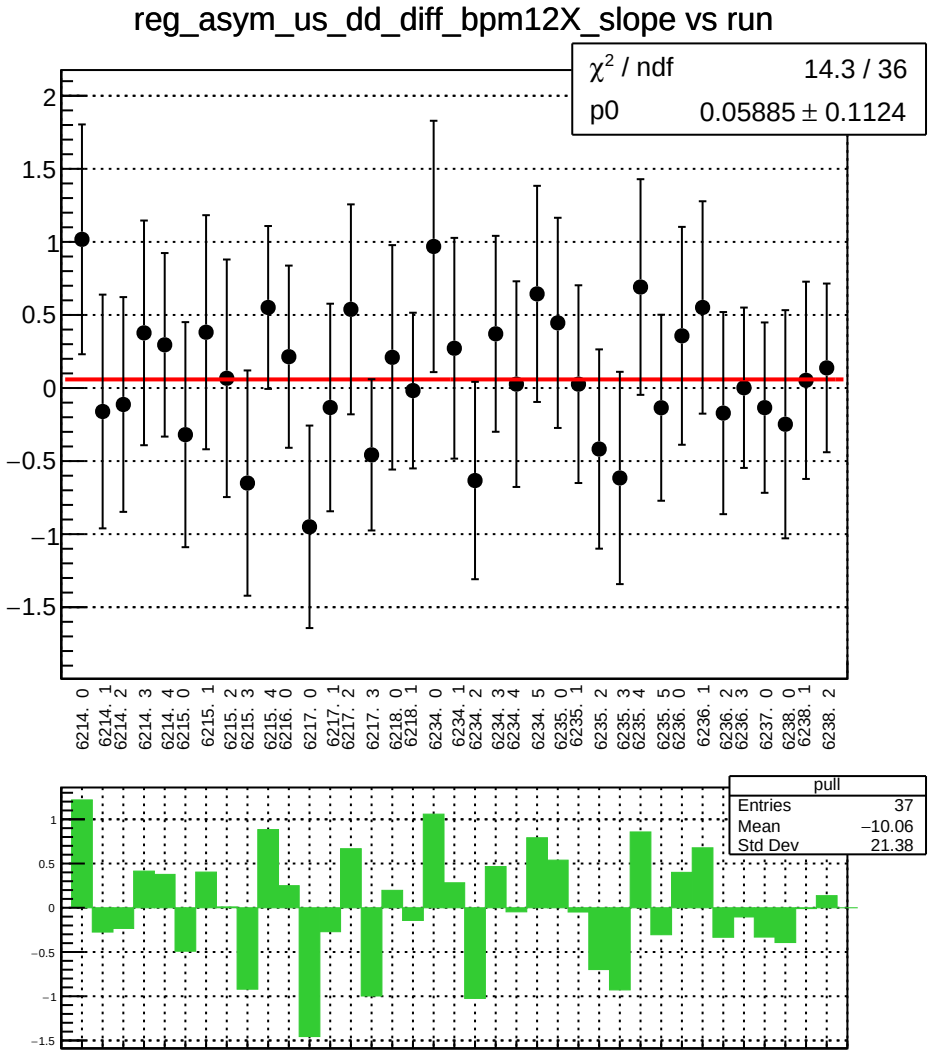

pull1D
Entries 37
Mean 0.07502
Std Dev 0.8938
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

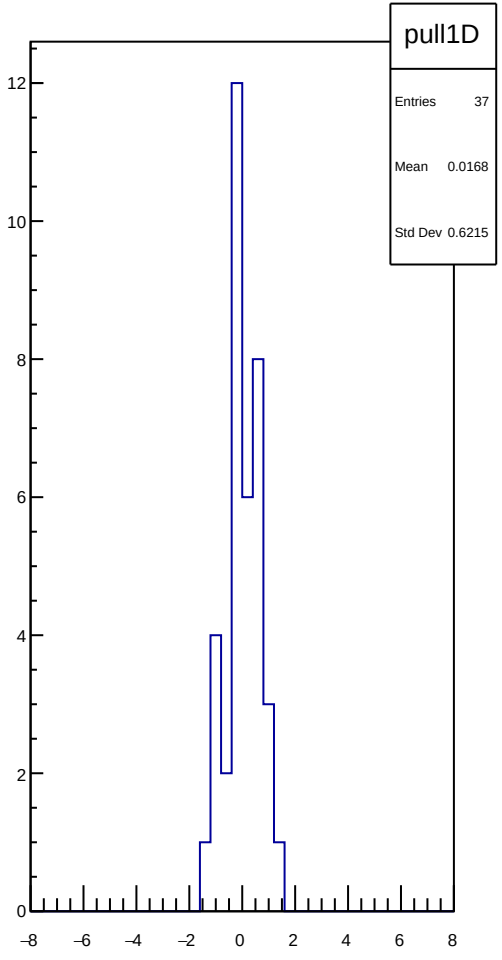

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.82 / 36
p0 3.849 ± 1.387
30
20
10
0
−10
−20
−30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −24.21
Std Dev 33.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.04064
Std Dev 0.8013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

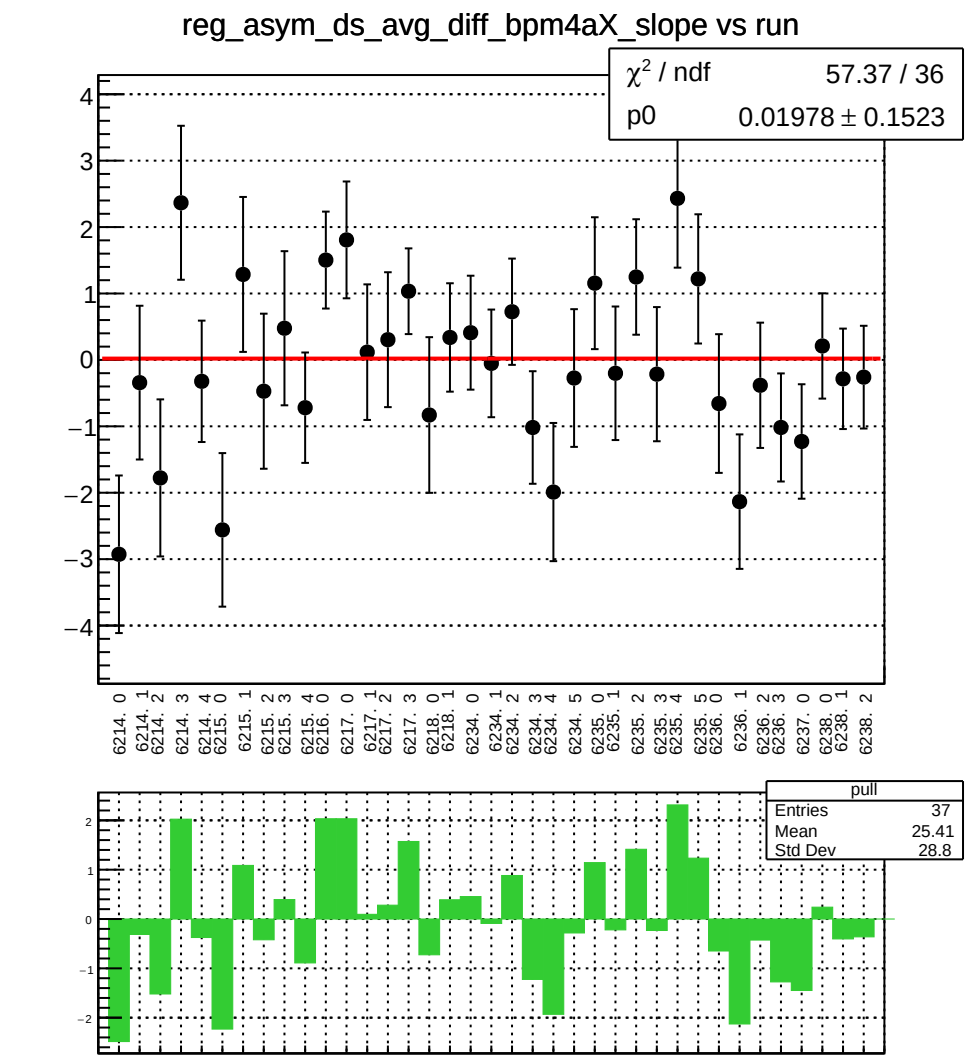

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.03 / 36
p0 −48.77 ± 2.442
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 12.03
Std Dev 17.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.07722
Std Dev 0.8976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

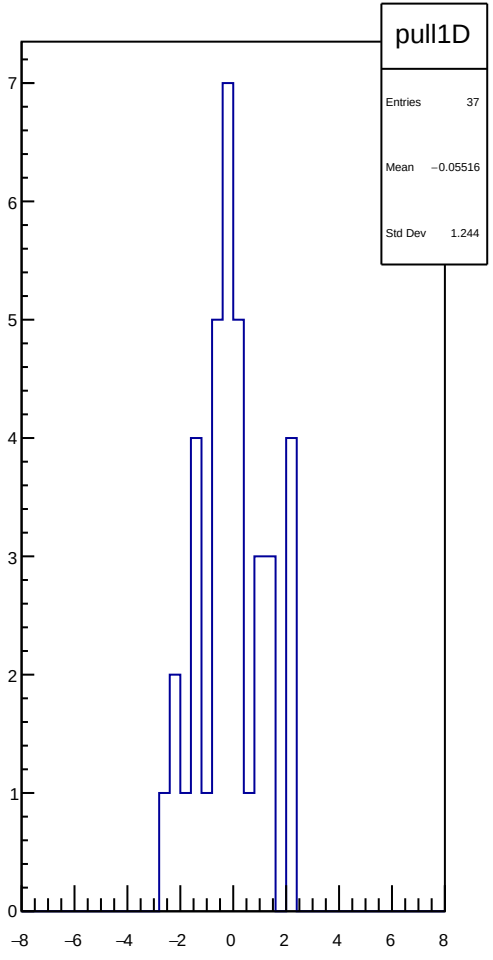

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.25 / 36
p0 −4.008 ± 1.51
pull
Entries 37
Mean −8.951
Std Dev 8.841

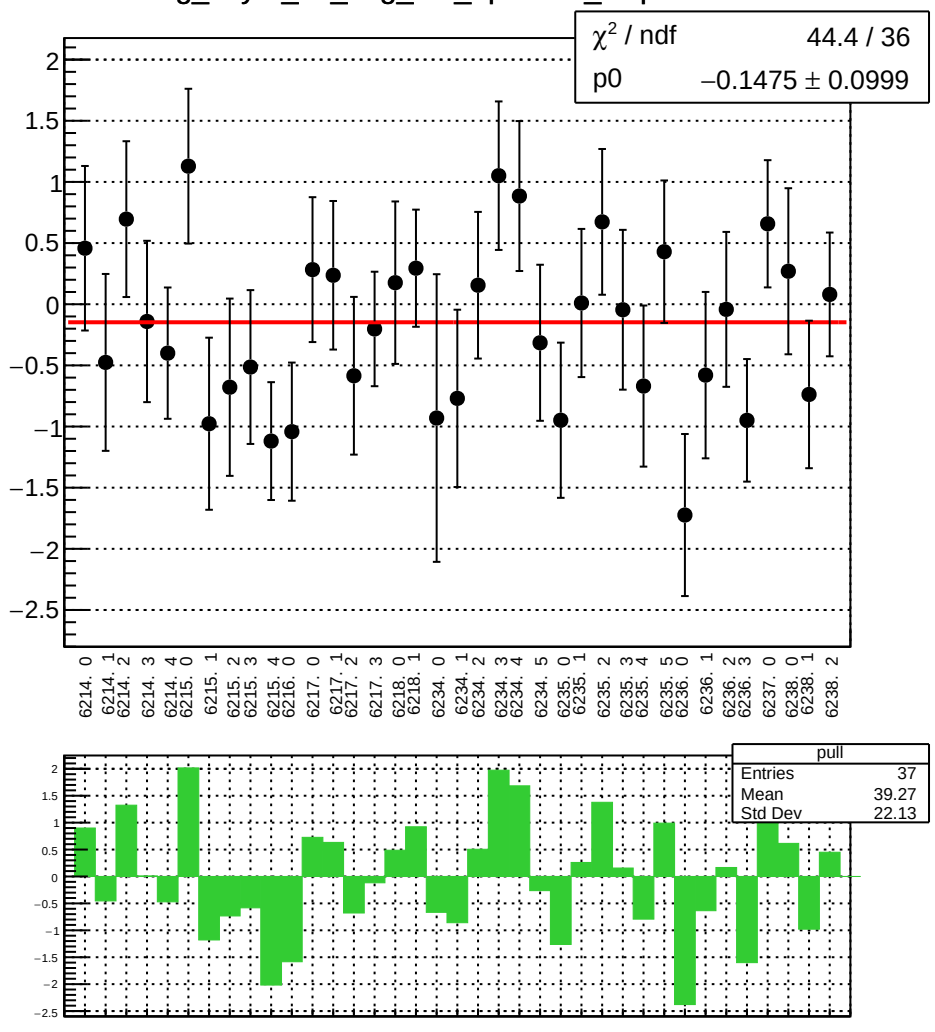

pull1D
Entries 37
Mean 0.04796
Std Dev 0.8247

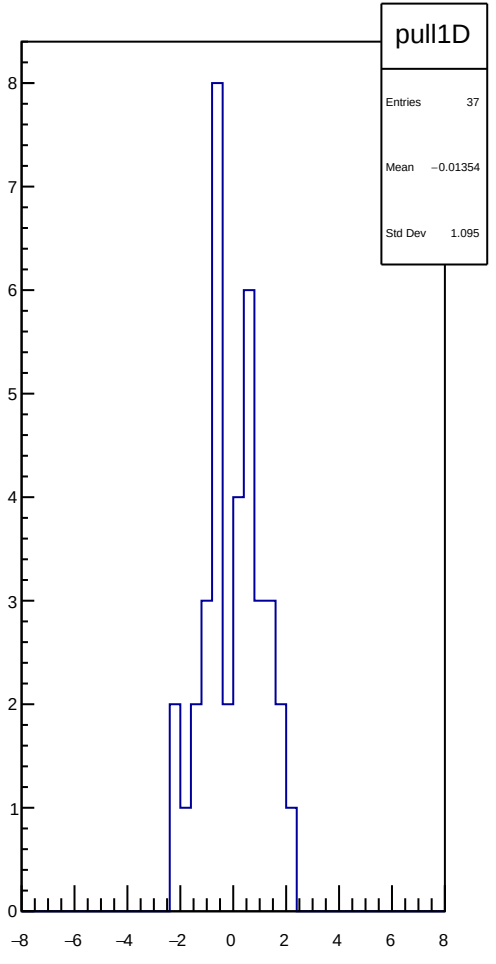

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 14.3 / 36
p0 0.05885 ± 0.1124
pull
Entries 37
Mean −10.06
Std Dev 21.38
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

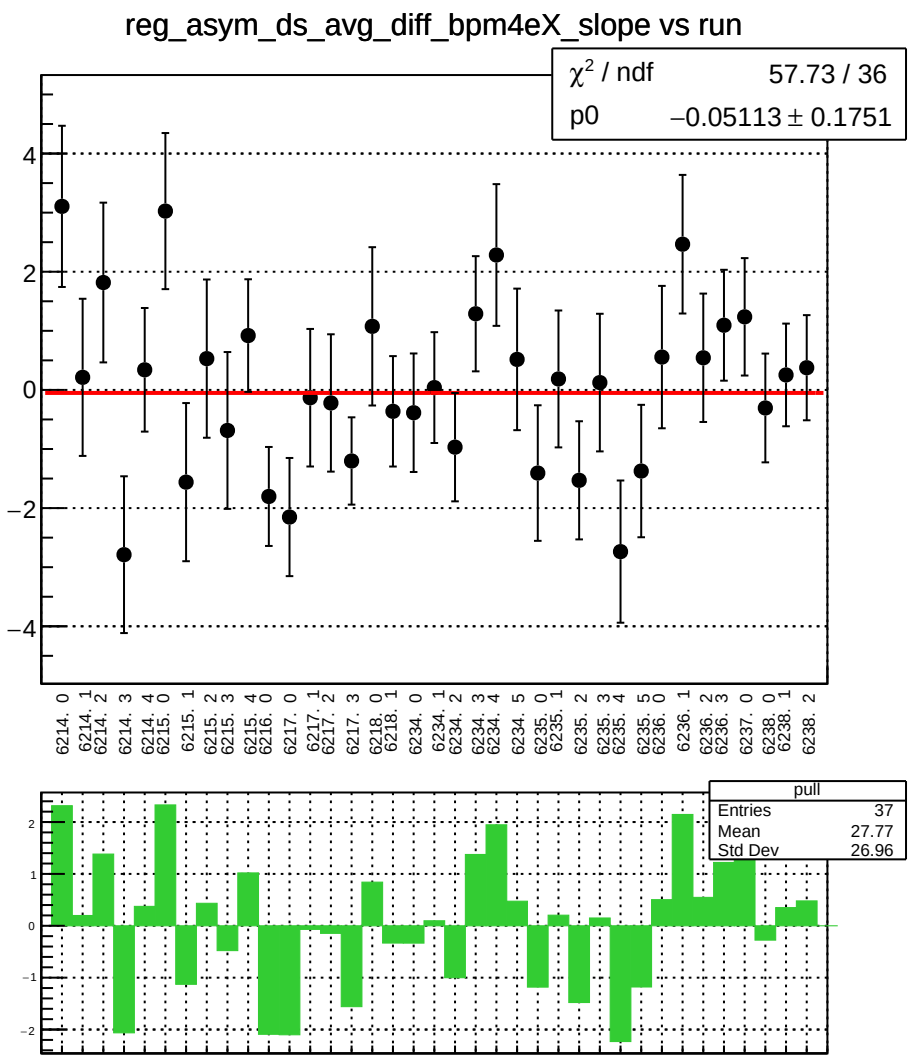

pull1D
Entries 37
Mean 0.0168
Std Dev 0.6215

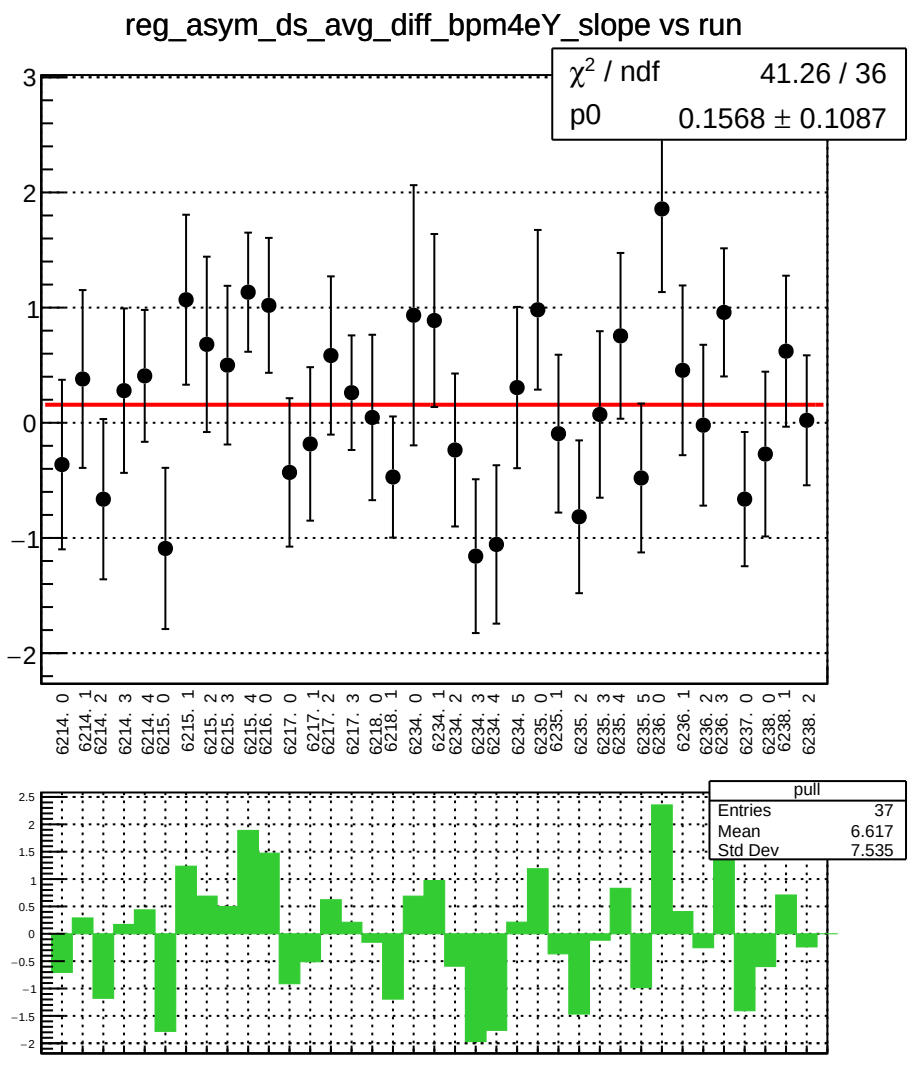

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 57.37 / 36
p0 0.01978 ± 0.1523
pull
Entries 37
Mean 25.41
Std Dev 28.8

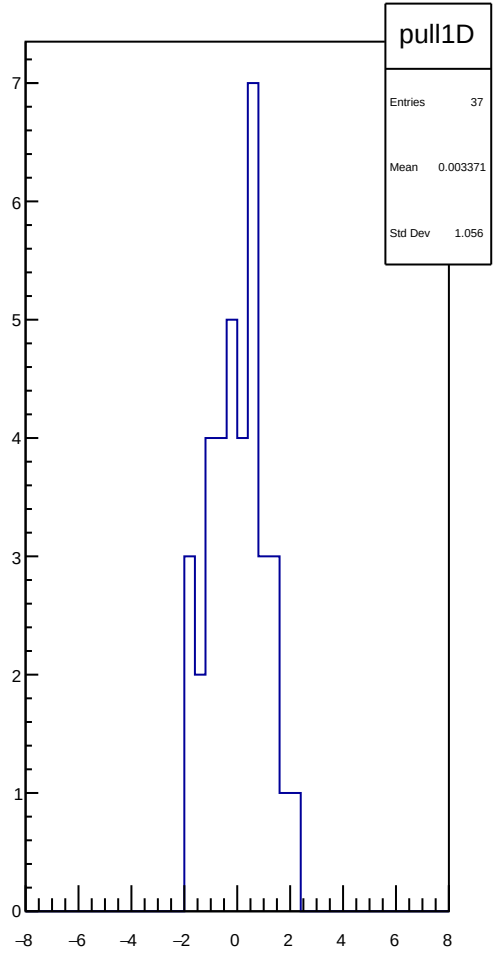

pull1D
Entries 37
Mean −0.05516
Std Dev 1.244

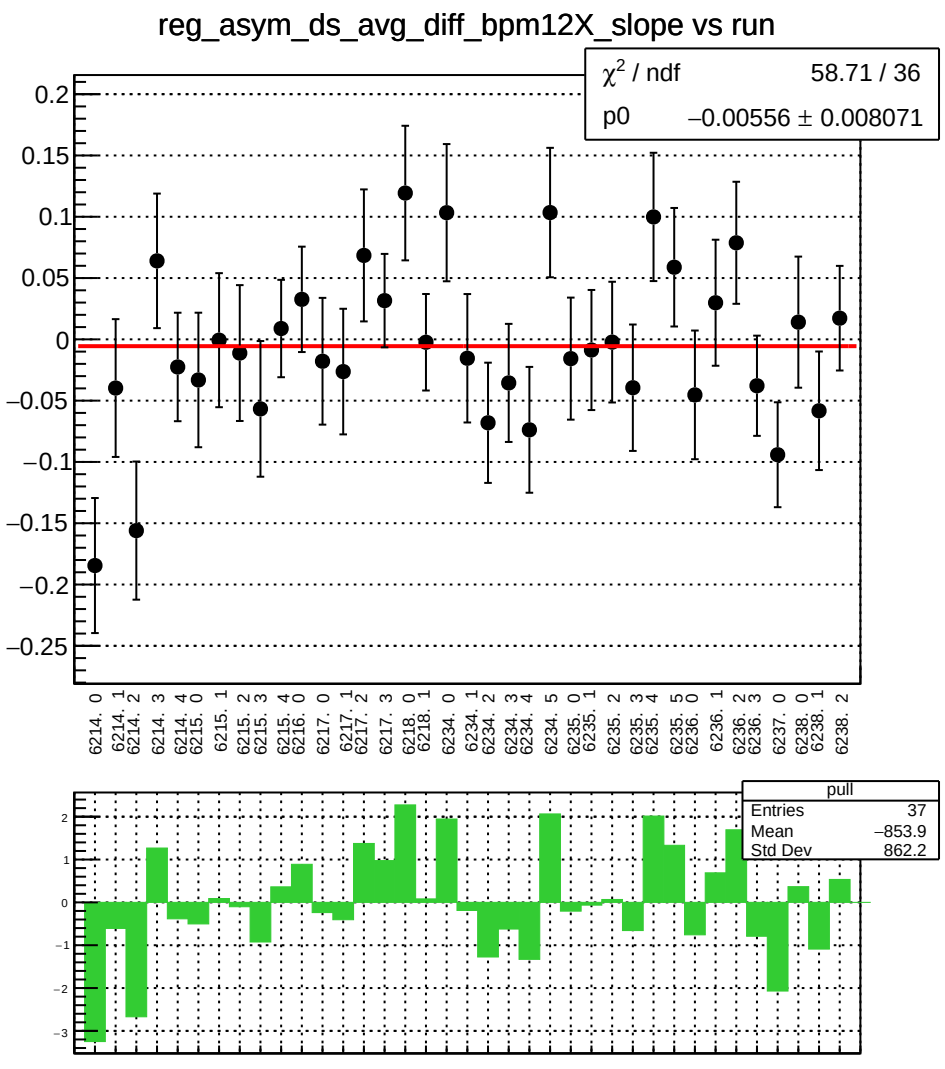

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.4 / 36
p0 −0.1475 ± 0.0999
pull
Entries 37
Mean 39.27
Std Dev 22.13

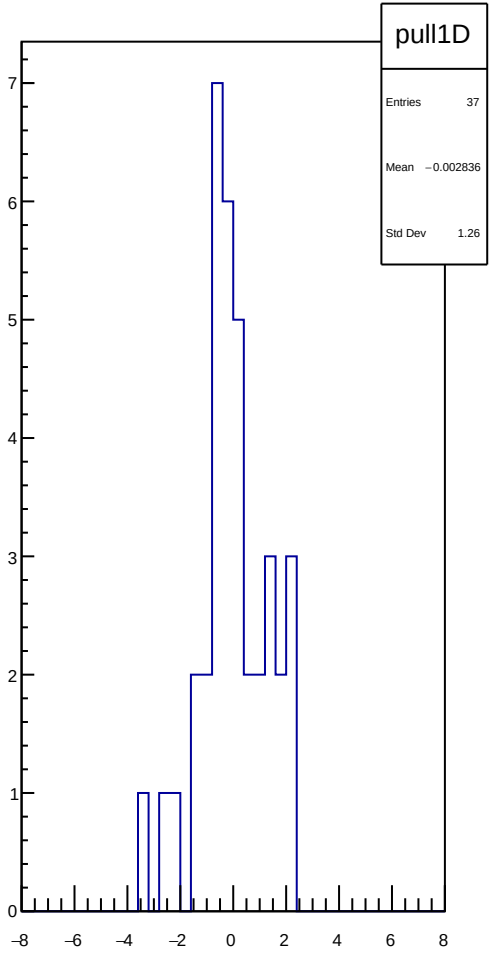

pull1D
Entries 37
Mean −0.01354
Std Dev 1.095

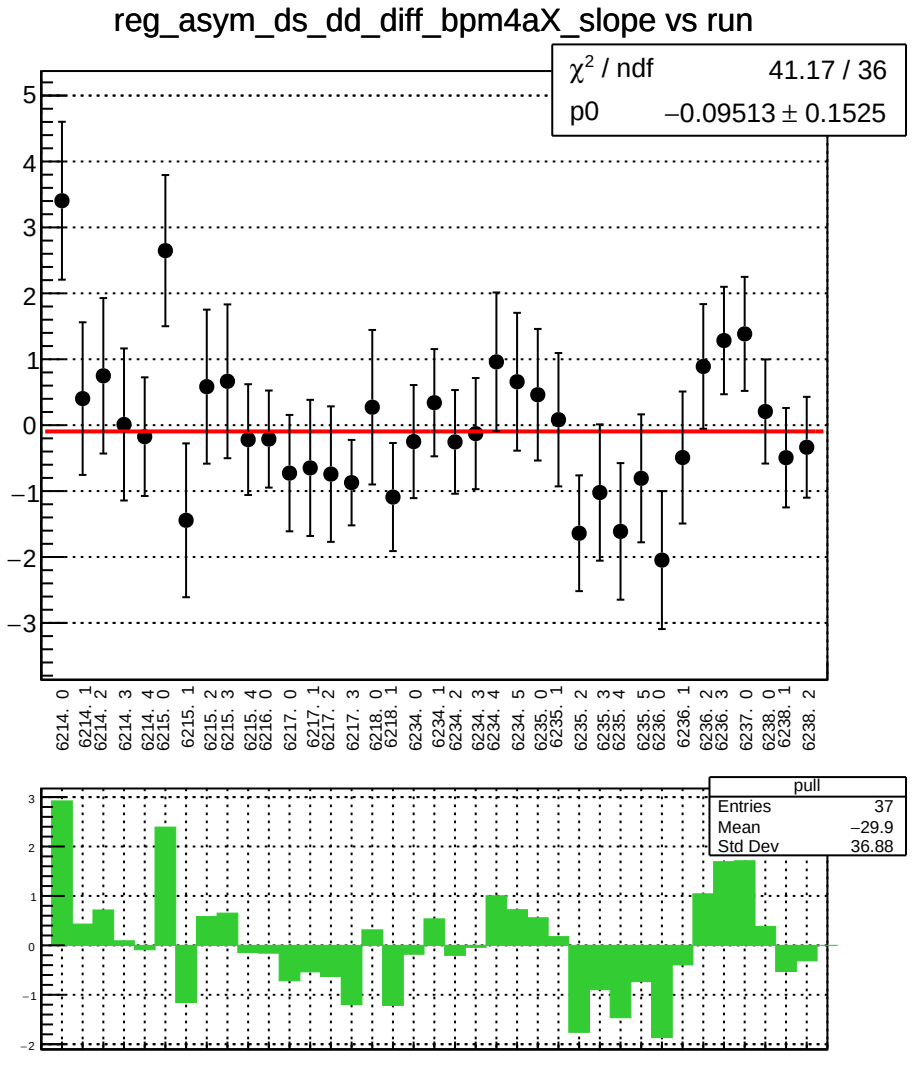

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.73 / 36
p0 −0.05113 ± 0.1751
4
2
0
−2
−4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 27.77
Std Dev 26.96
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.05493
Std Dev 1.248
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

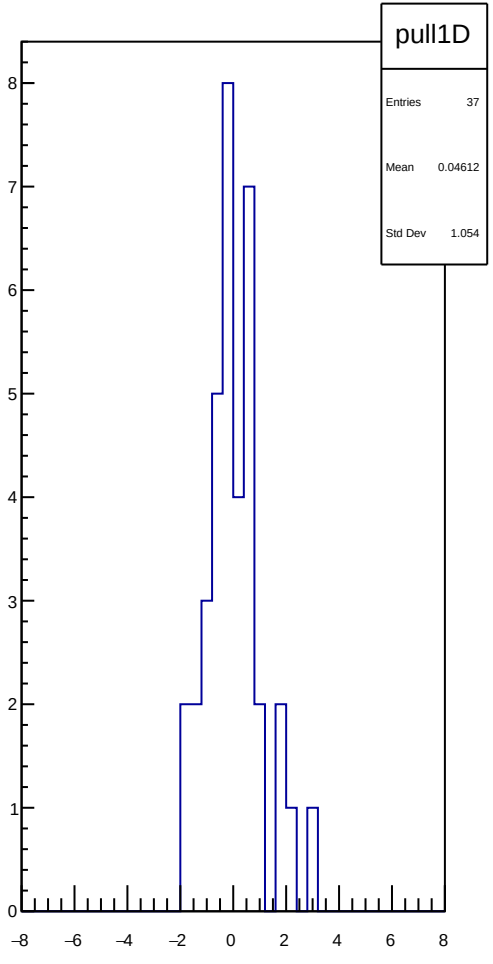

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.26 / 36
p0 0.1568 ± 0.1087
pull
Entries 37
Mean 6.617
Std Dev 7.535

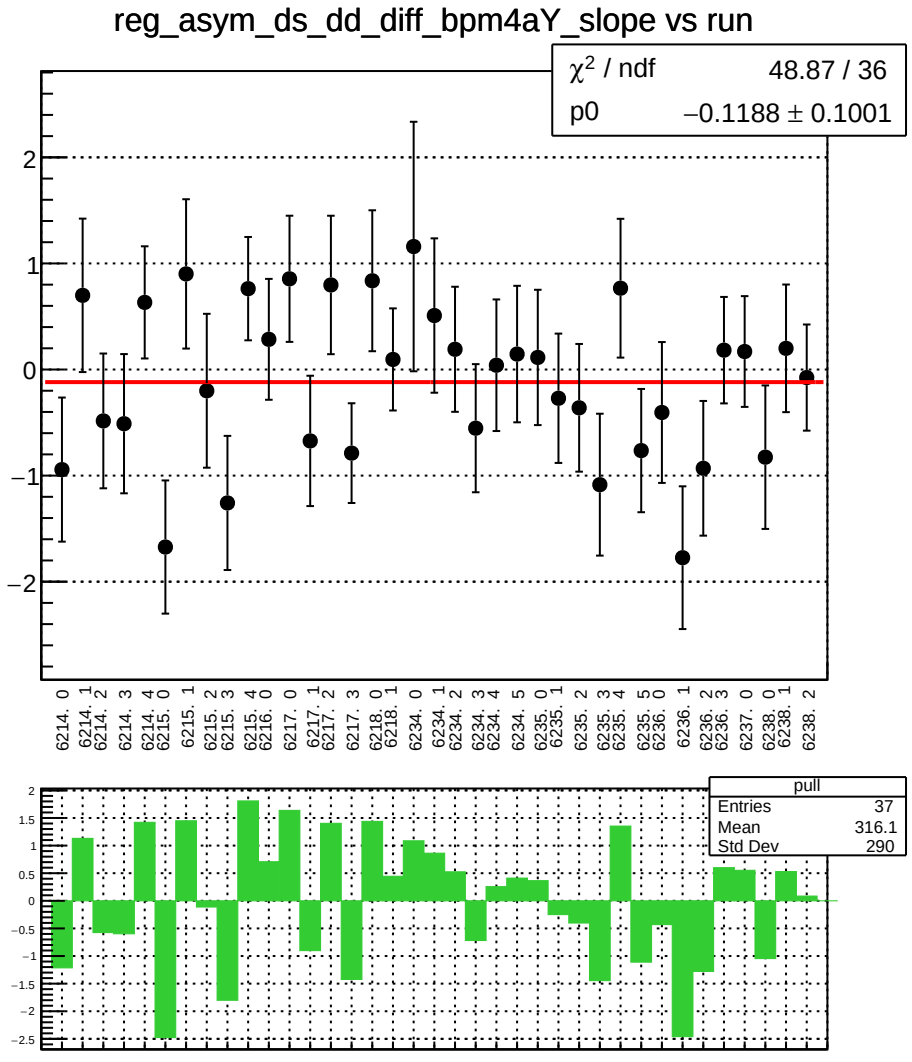

pull1D
Entries 37
Mean 0.003371
Std Dev 1.056

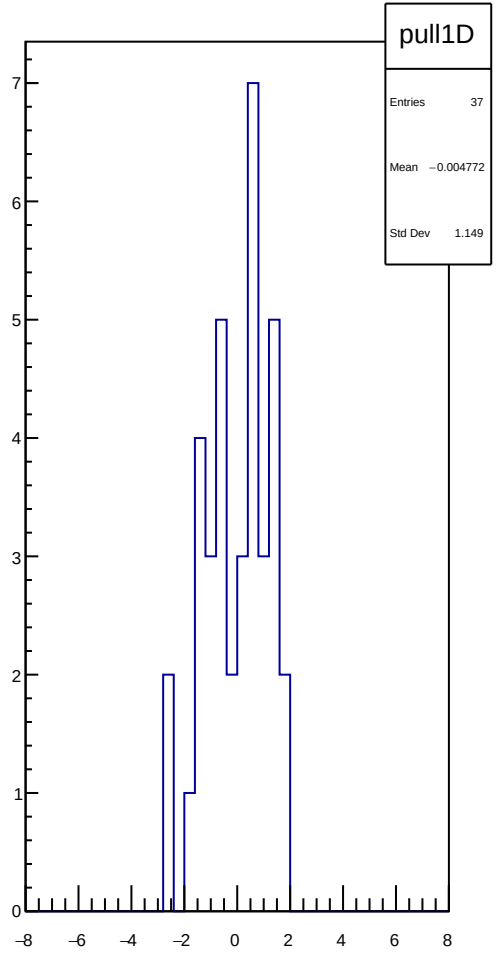

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 58.71 / 36
p0 −0.00556 ± 0.008071
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −853.9
Std Dev 862.2
2
1
0
−1
−2
−3

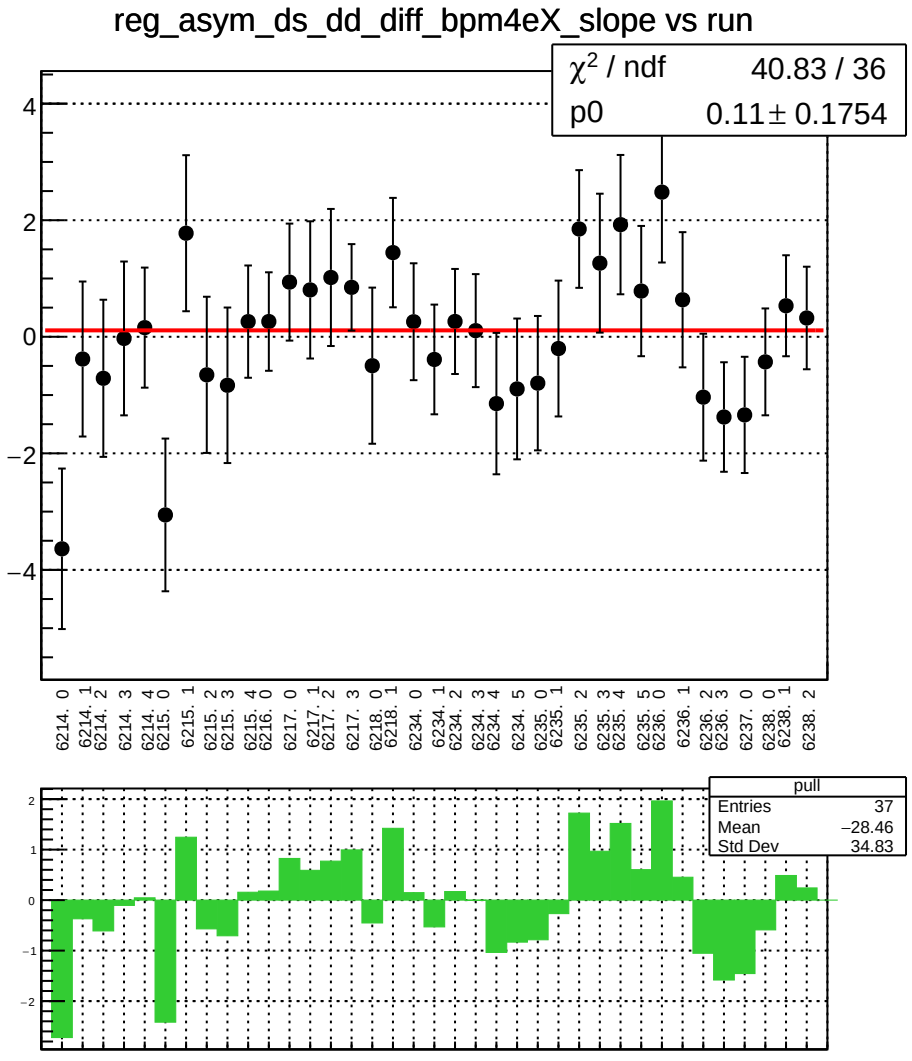

pull1D
Entries 37
Mean −0.002836
Std Dev 1.26
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

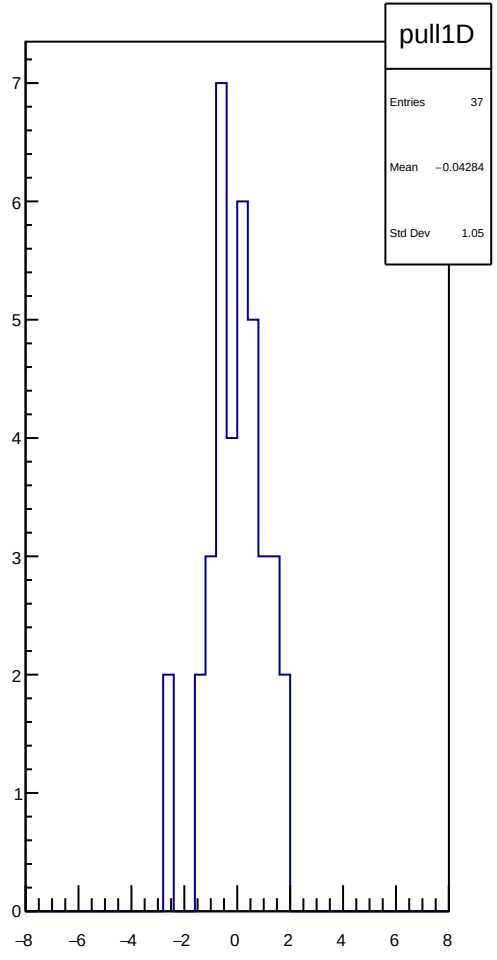

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 41.17 / 36
p0 −0.09513 ± 0.1525
pull
Entries 37
Mean −29.9
Std Dev 36.88

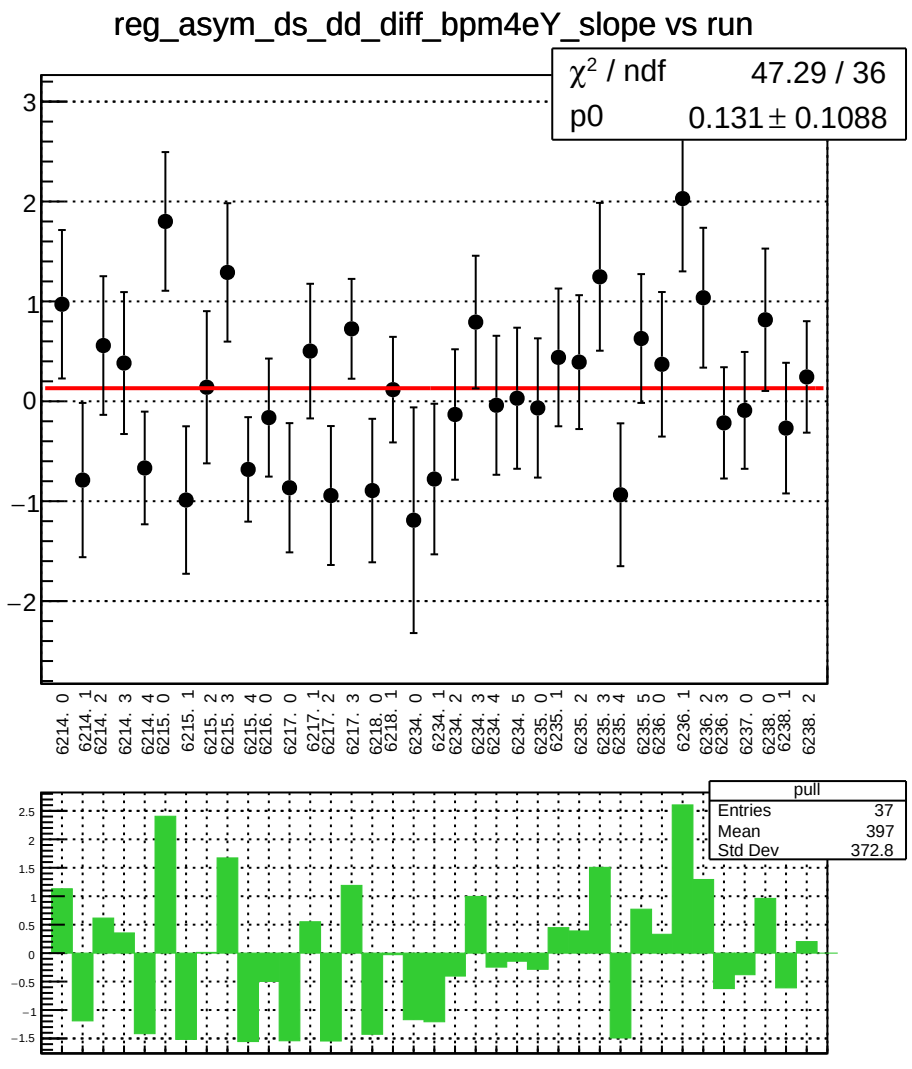

pull1D
Entries 37
Mean 0.04612
Std Dev 1.054

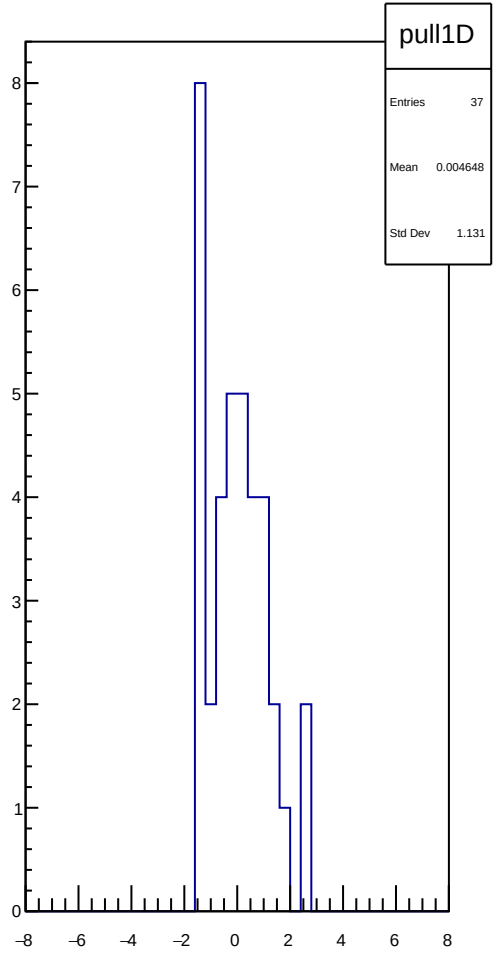

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.87 / 36
p0 −0.1188 ± 0.1001
pull
Entries 37
Mean 316.1
Std Dev 290

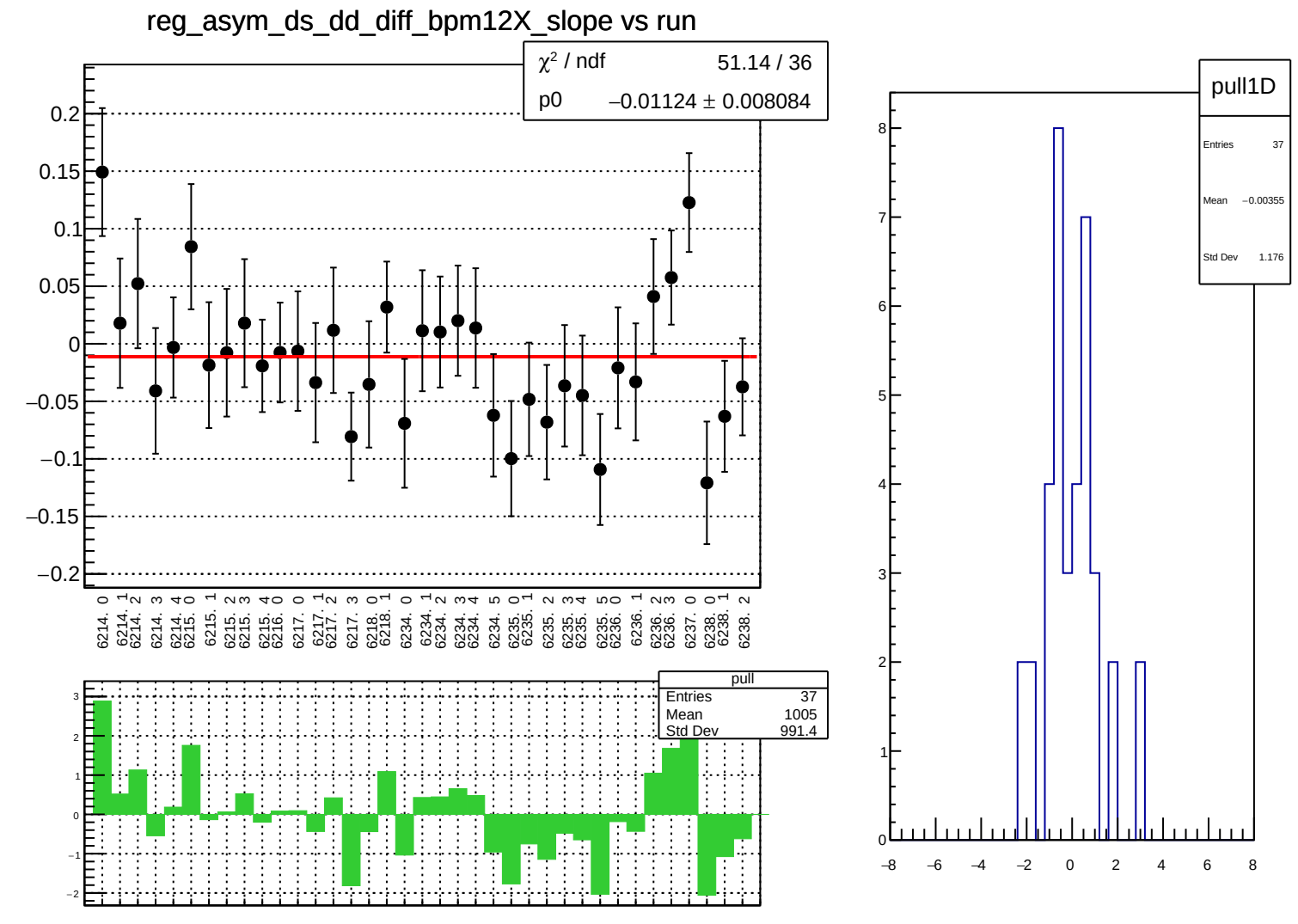

pull1D
Entries 37
Mean −0.004772
Std Dev 1.149

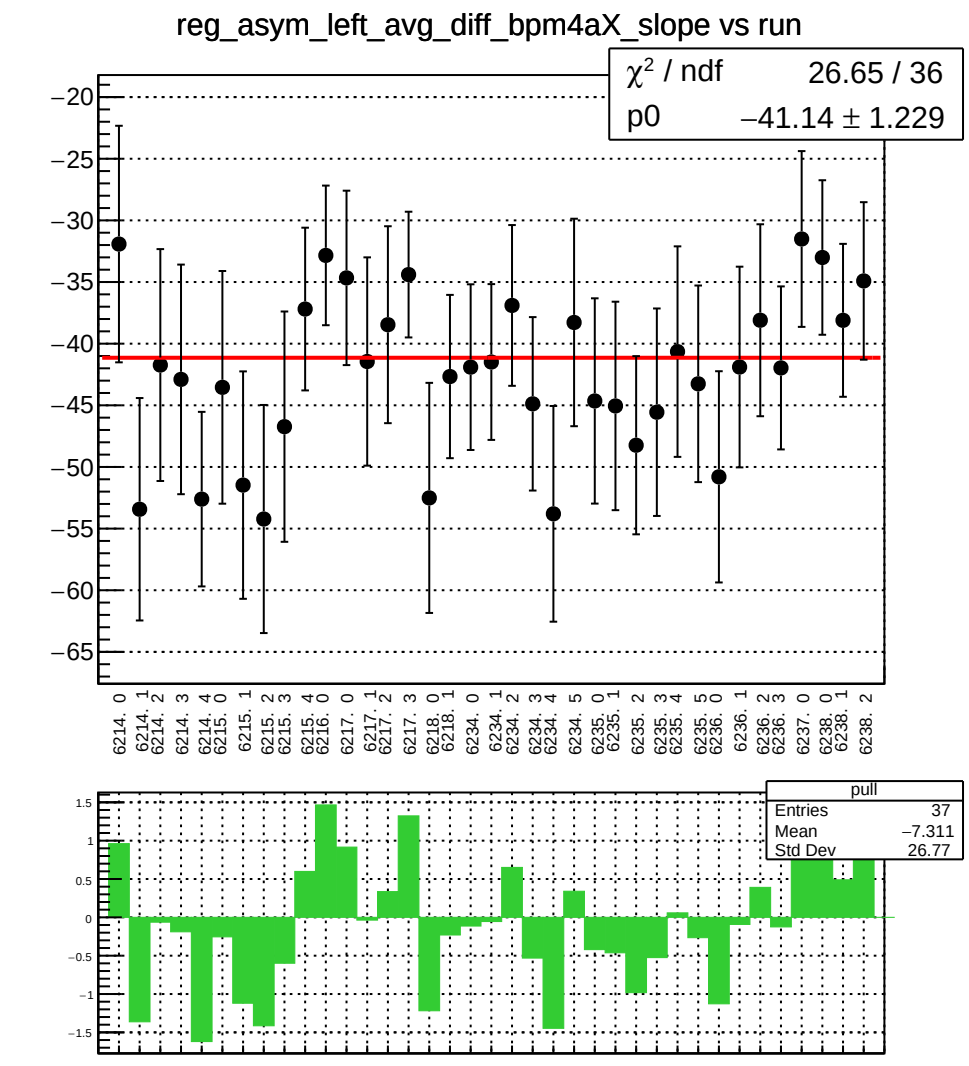

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.83 / 36
p0 0.11 ± 0.1754
4
2
0
−2
−4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −28.46
Std Dev 34.83
2
1
0
−1
−2

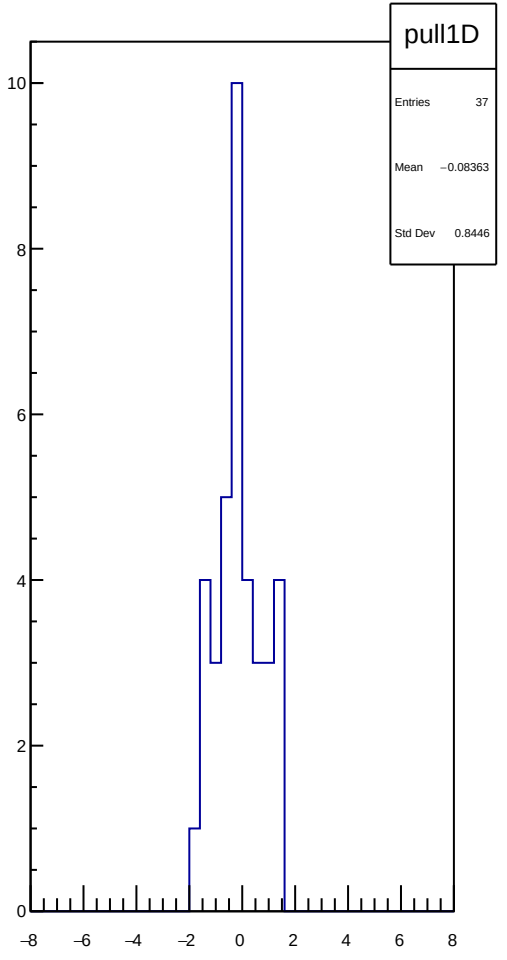

pull1D
Entries 37
Mean −0.04284
Std Dev 1.05
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

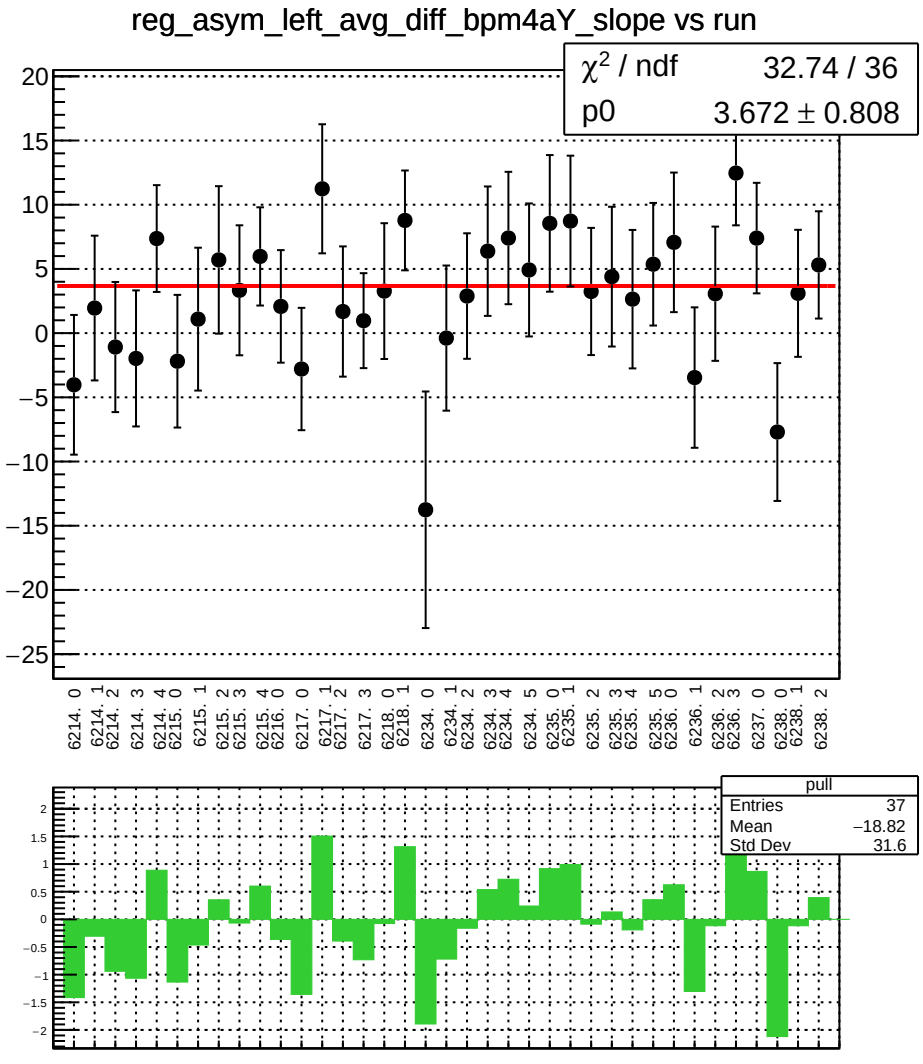

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.29 / 36
p0 0.131 ± 0.1088
pull
Entries 37
Mean 397
Std Dev 372.8

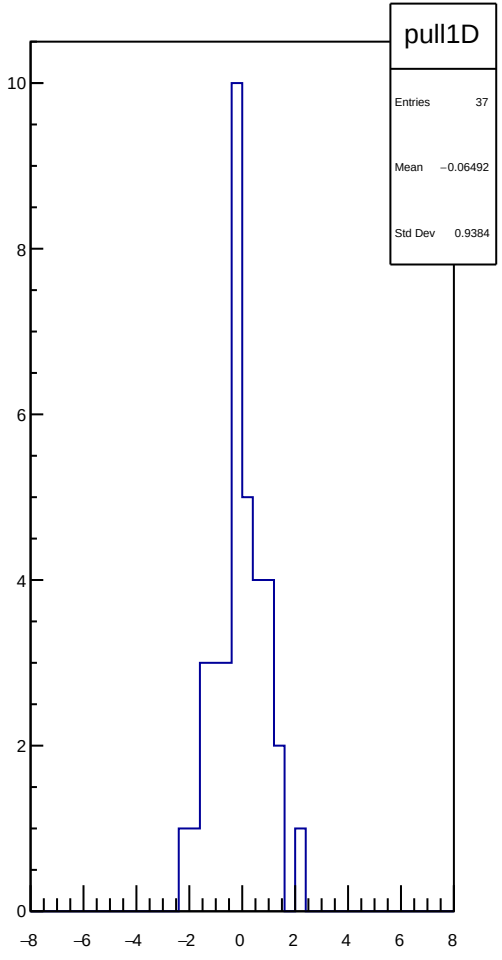

pull1D
Entries 37
Mean 0.004648
Std Dev 1.131

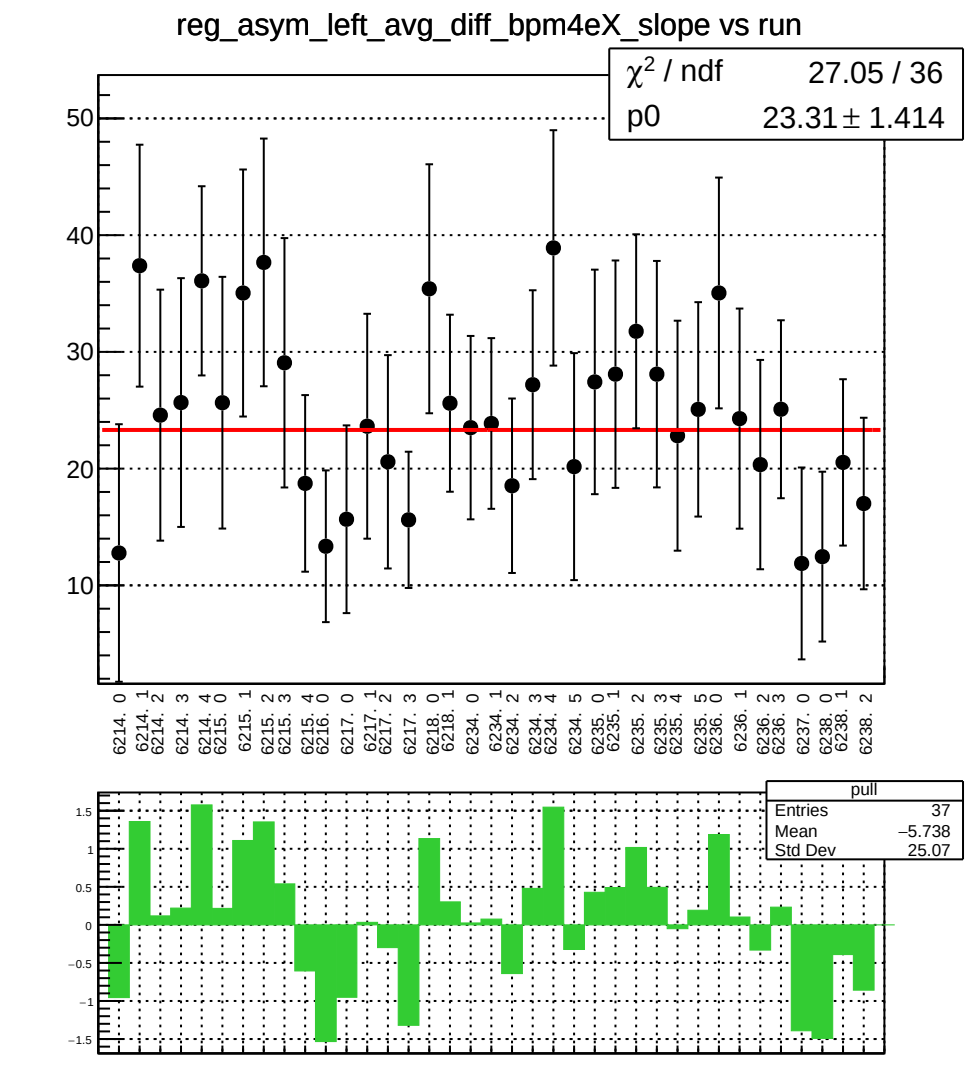

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 51.14 / 36
p0 −0.01124 ± 0.008084
pull
Entries 37
Mean 1005
Std Dev 991.4
pull1D
Entries 37
Mean −0.00355
Std Dev 1.176

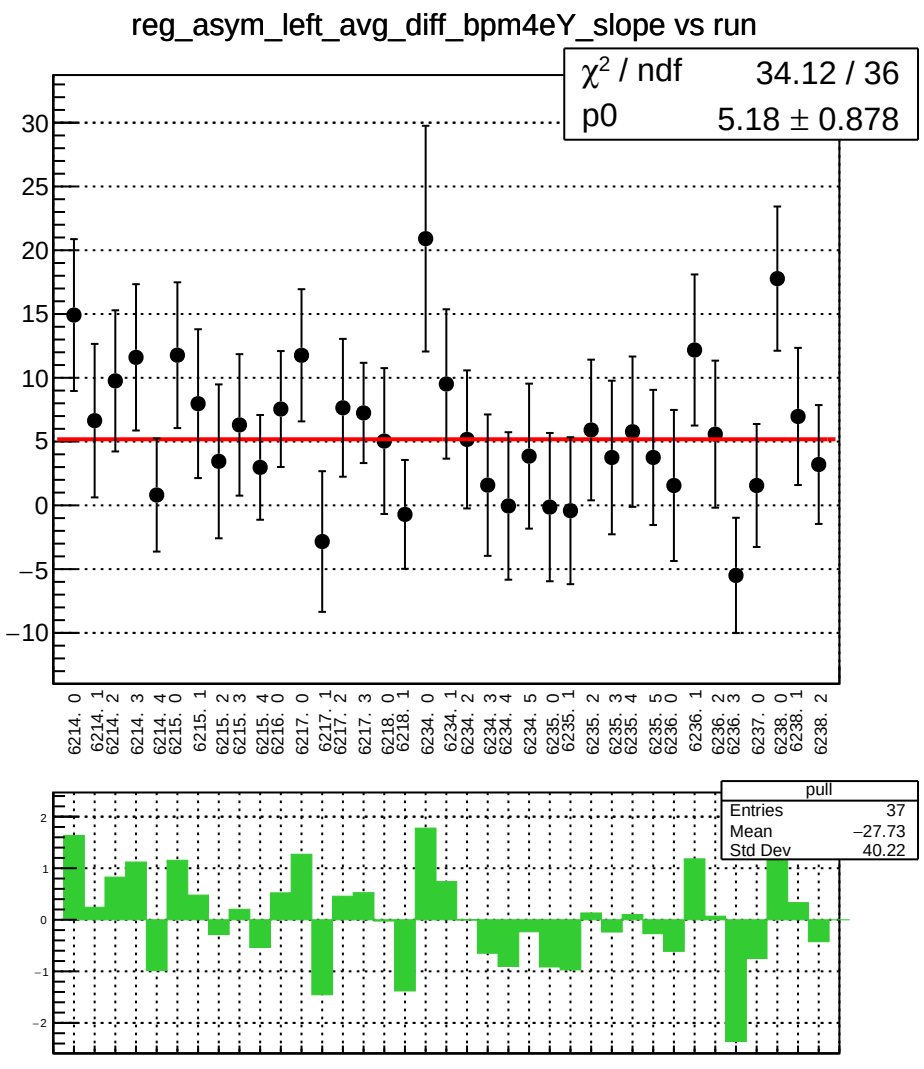

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 26.65 / 36
p0 −41.14 ± 1.229
−20
−25
−30
−35
−40
−45
−50
−55
−60
−65
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.311
Std Dev 26.77
1.5
1
0.5
0
−0.5
−1
−1.5

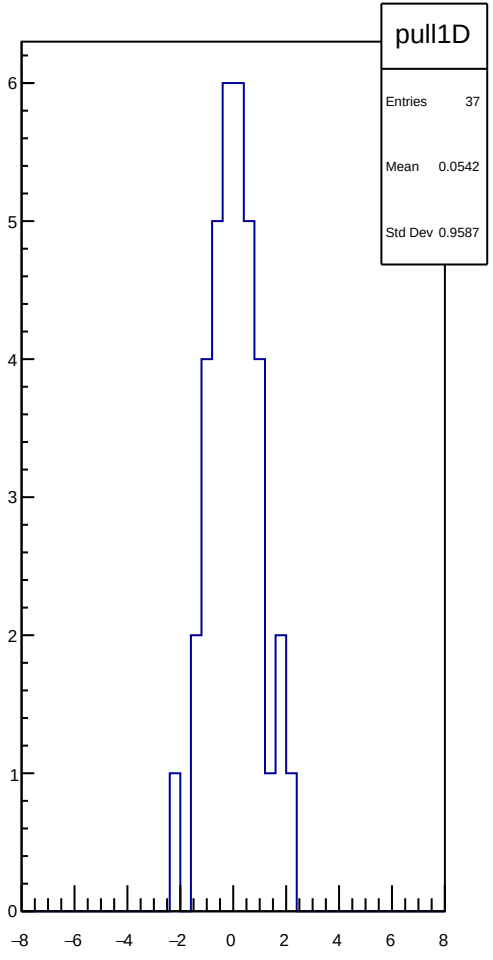

pull1D
Entries 37
Mean −0.08363
Std Dev 0.8446
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

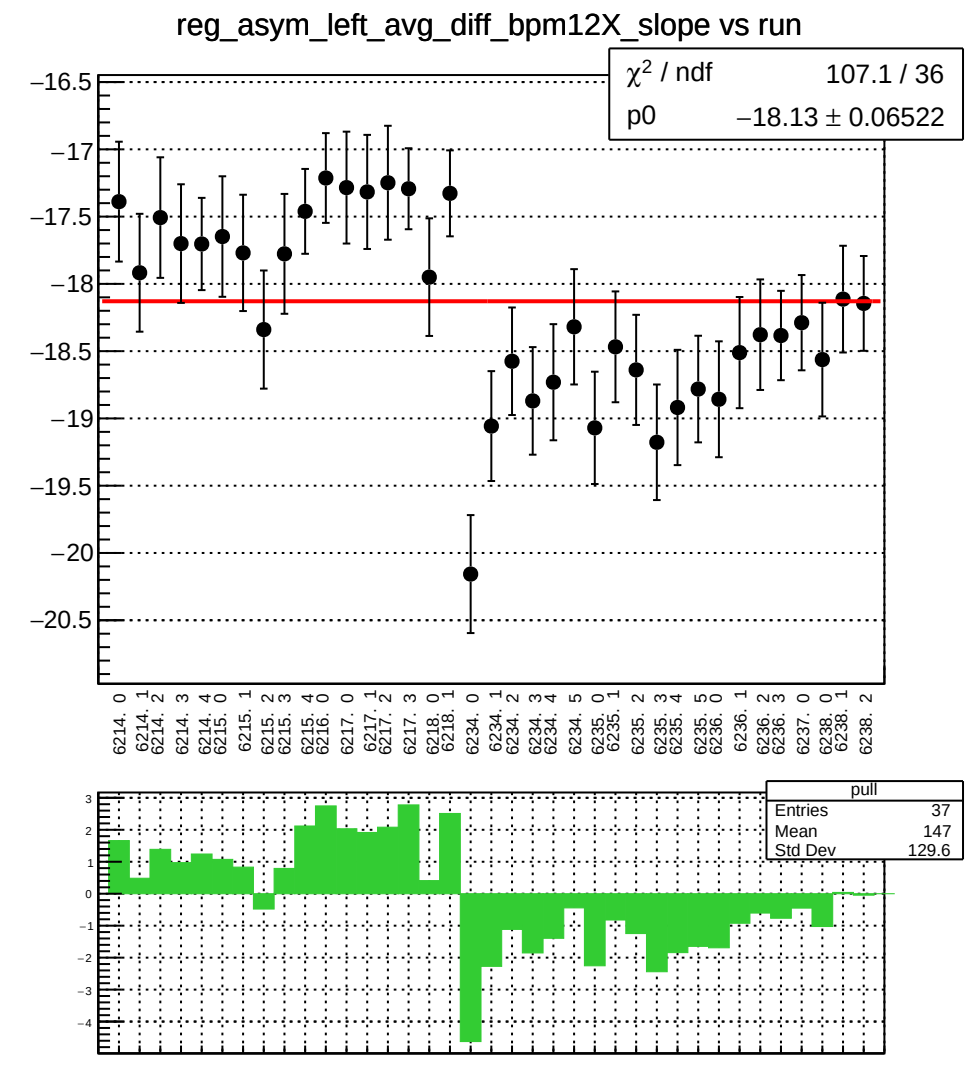

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.74 / 36
p0 3.672 ± 0.808
pull
Entries 37
Mean −18.82
Std Dev 31.6

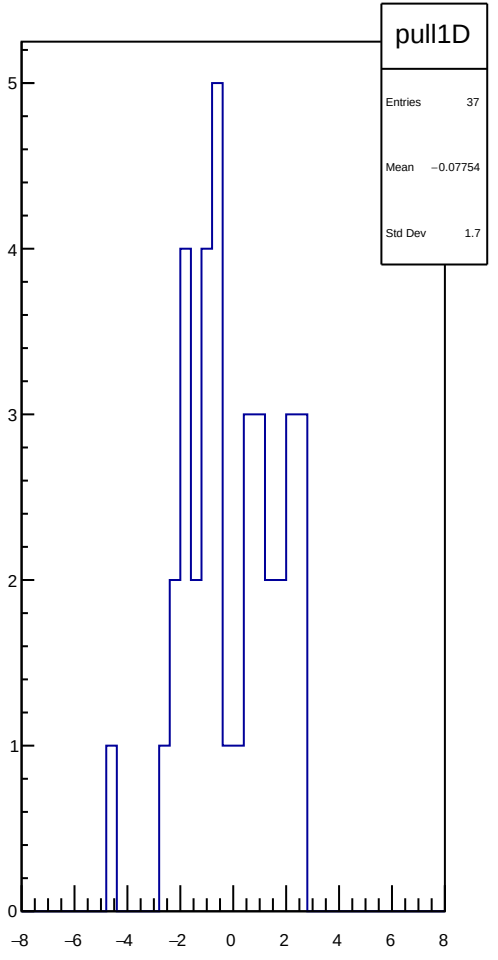

pull1D
Entries 37
Mean −0.06492
Std Dev 0.9384

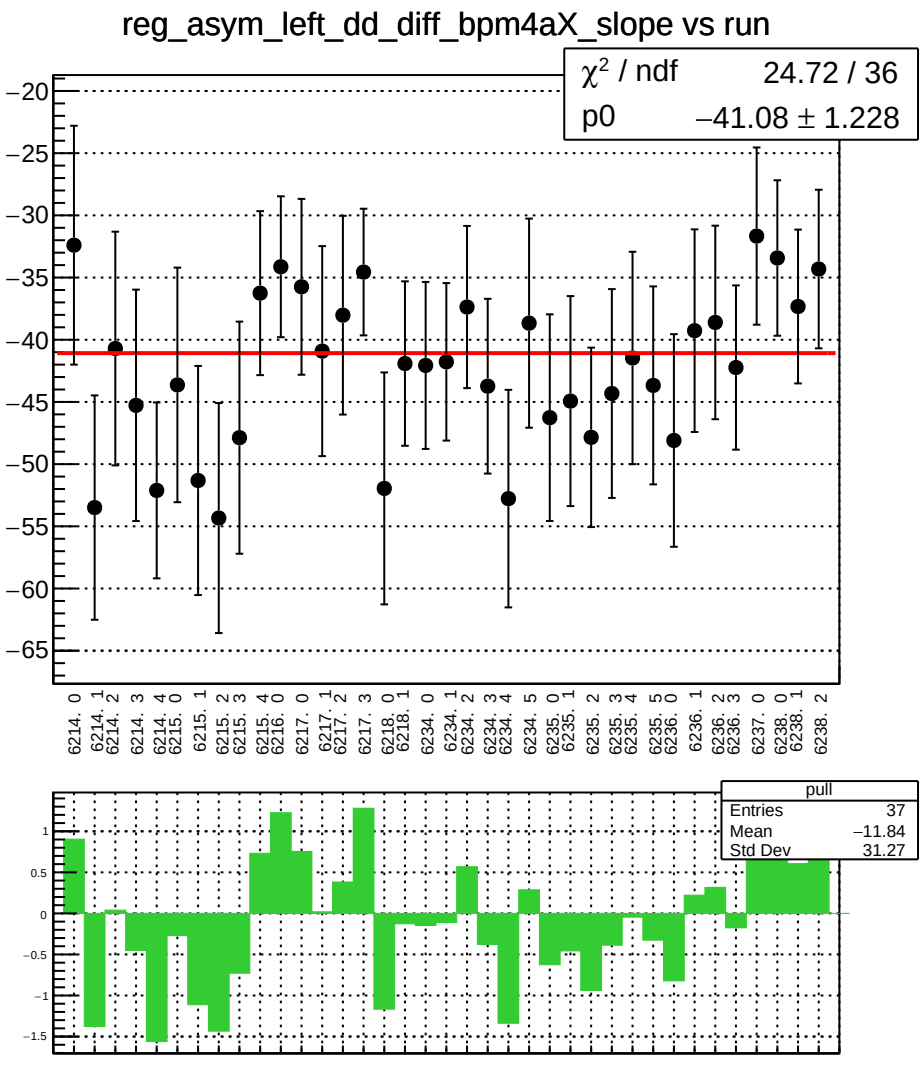

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.05 / 36
p0 23.31 ± 1.414
50
40
30
20
10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −5.738
Std Dev 25.07
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08352
Std Dev 0.8509
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

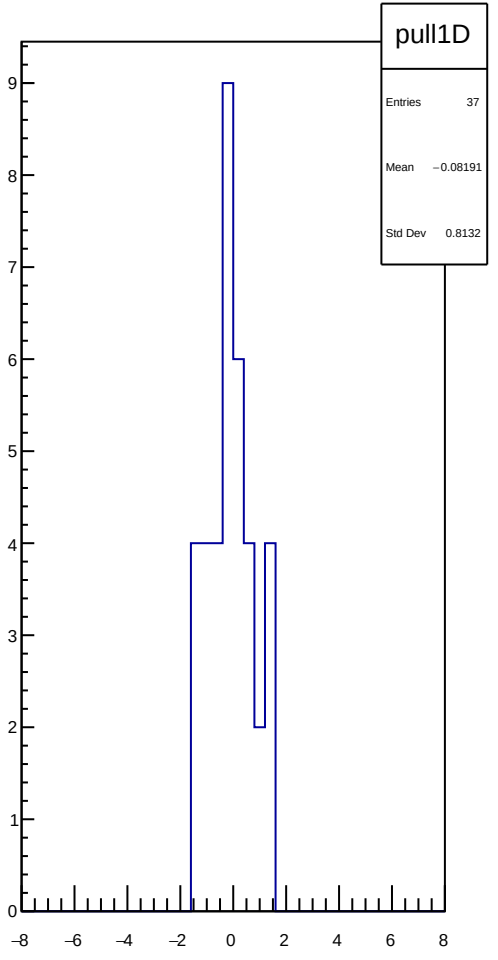

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.12 / 36
p0 5.18 ± 0.878
pull
Entries 37
Mean −27.73
Std Dev 40.22

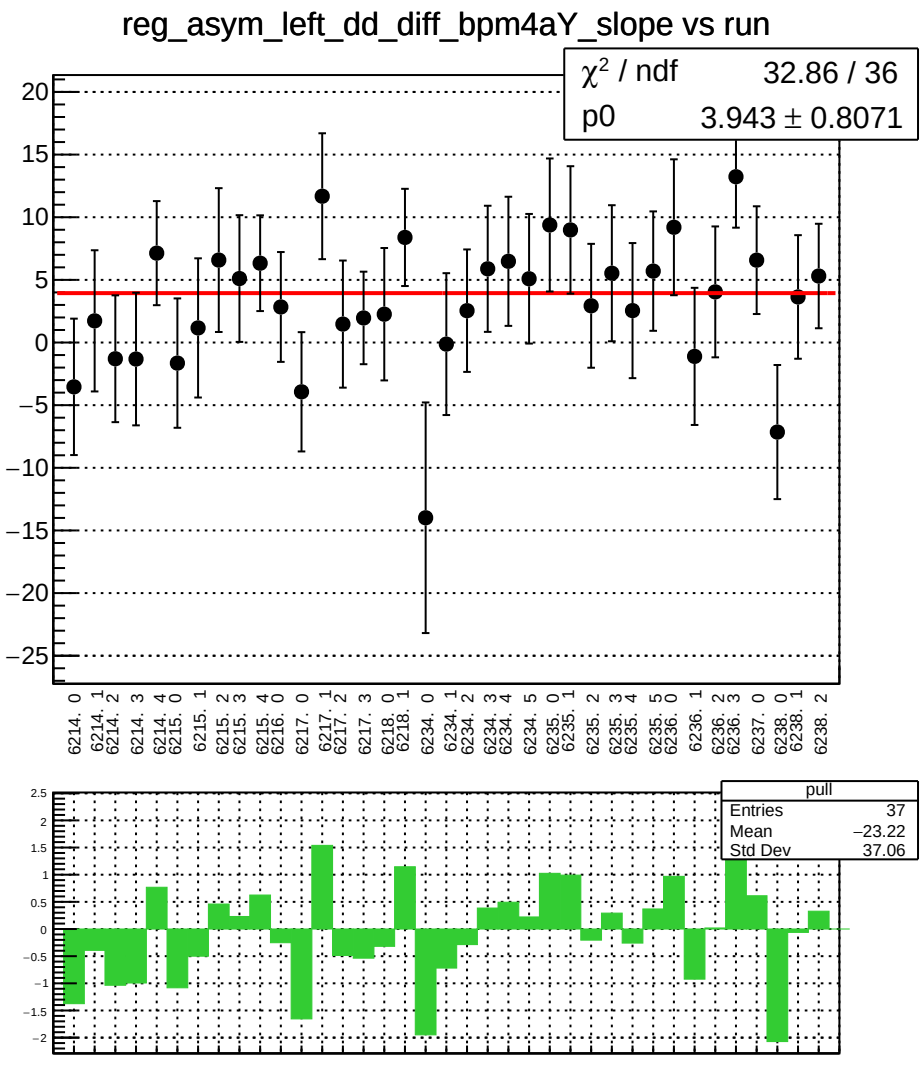

pull1D
Entries 37
Mean 0.0542
Std Dev 0.9587

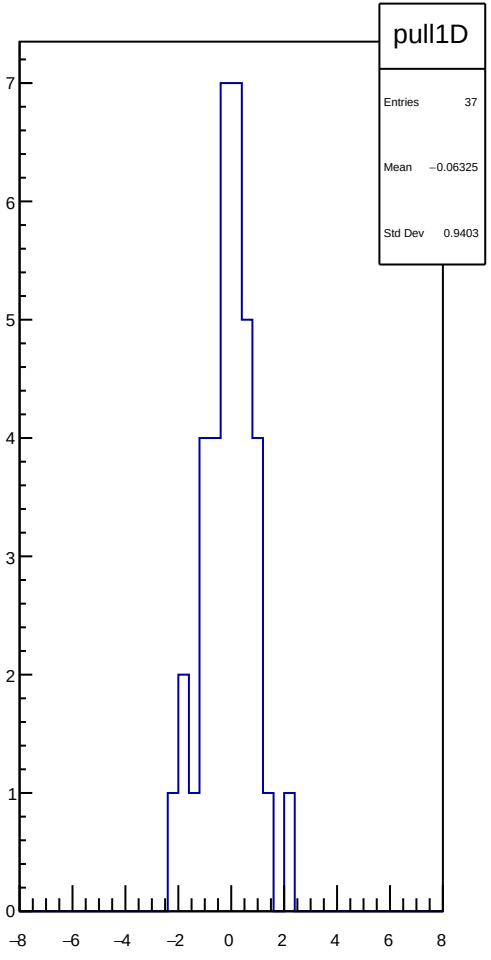

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 107.1 / 36
p0 −18.13 ± 0.06522
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 147
Std Dev 129.6
3
2
1
0
−1
−2
−3
−4

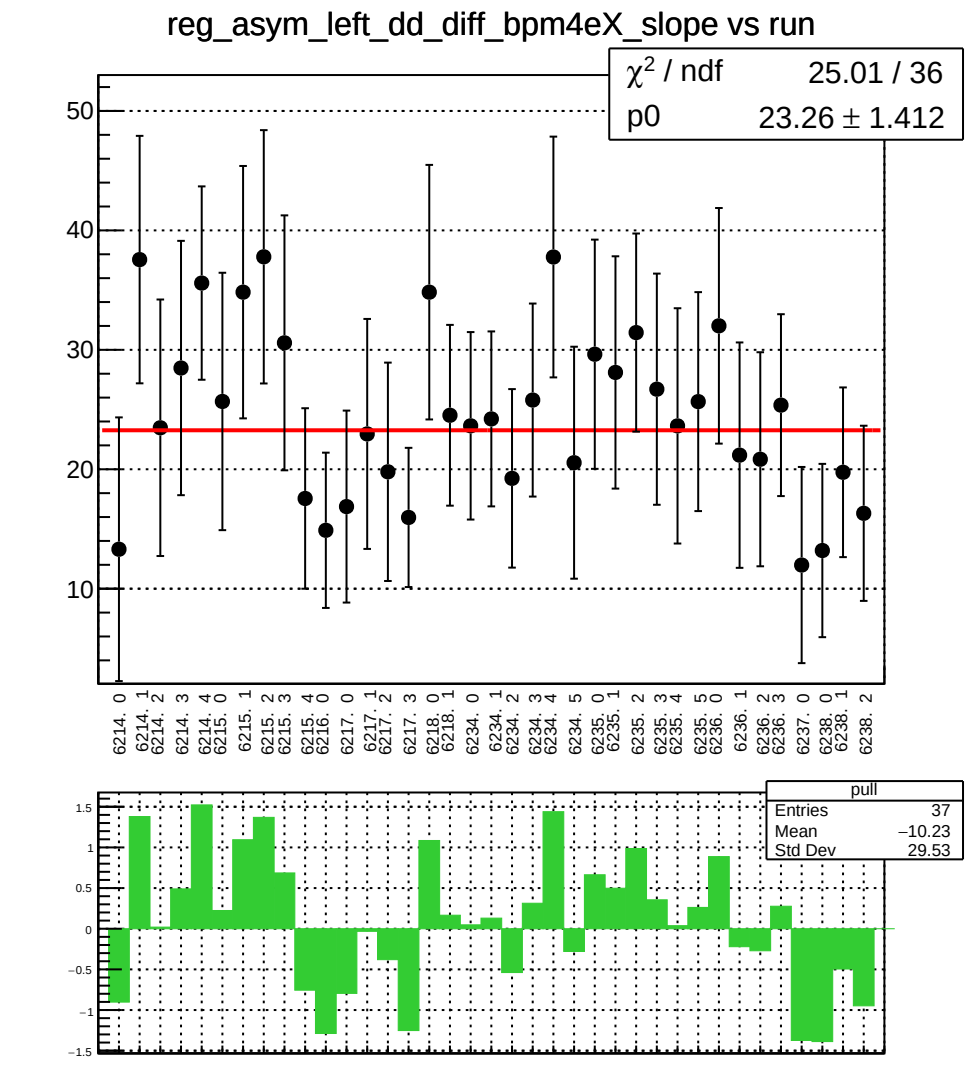

pull1D
Entries 37
Mean −0.07754
Std Dev 1.7
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

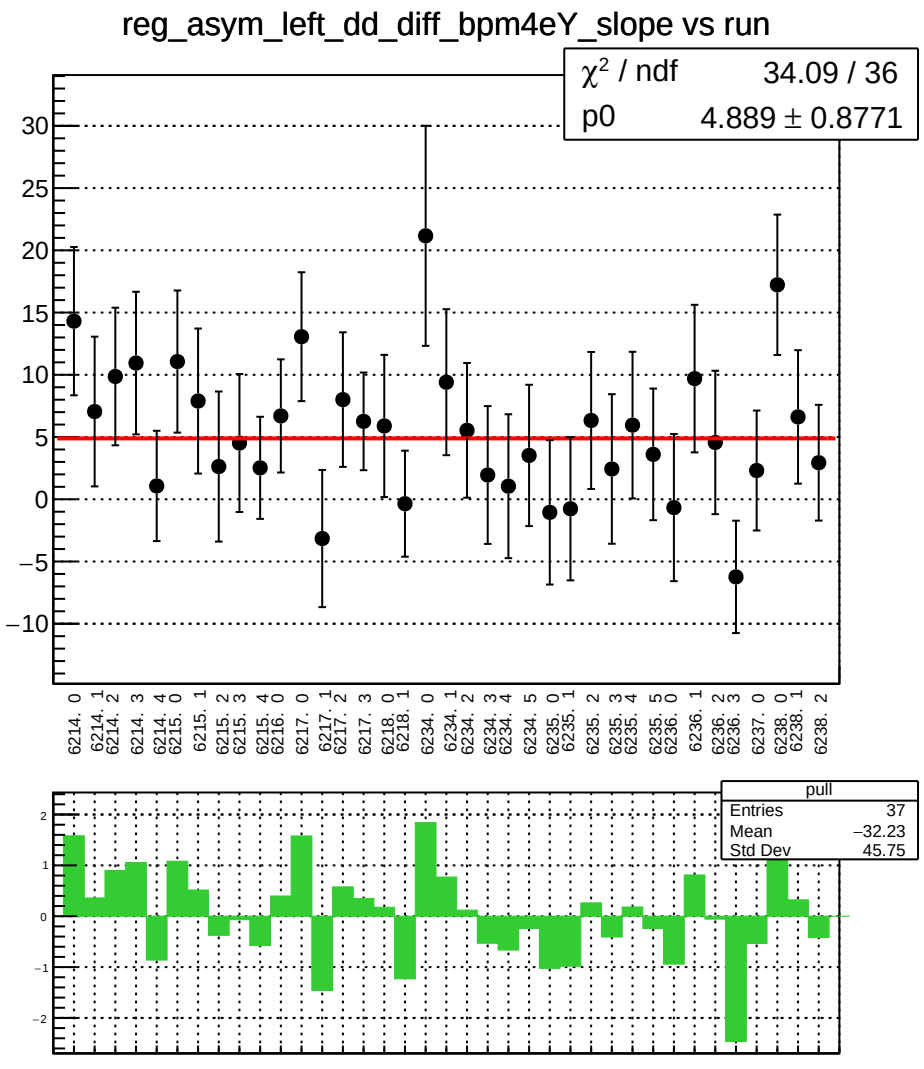

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.72 / 36
p0 −41.08 ± 1.228
−20
−25
−30
−35
−40
−45
−50
−55
−60
−65
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.84
Std Dev 31.27
1
0.5
0
−0.5
−1
−1.5

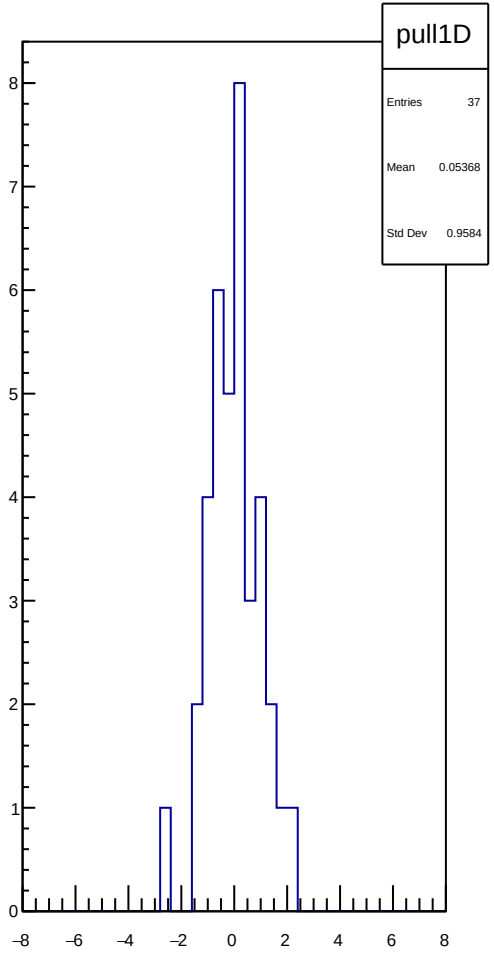

pull1D
Entries 37
Mean −0.08191
Std Dev 0.8132
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

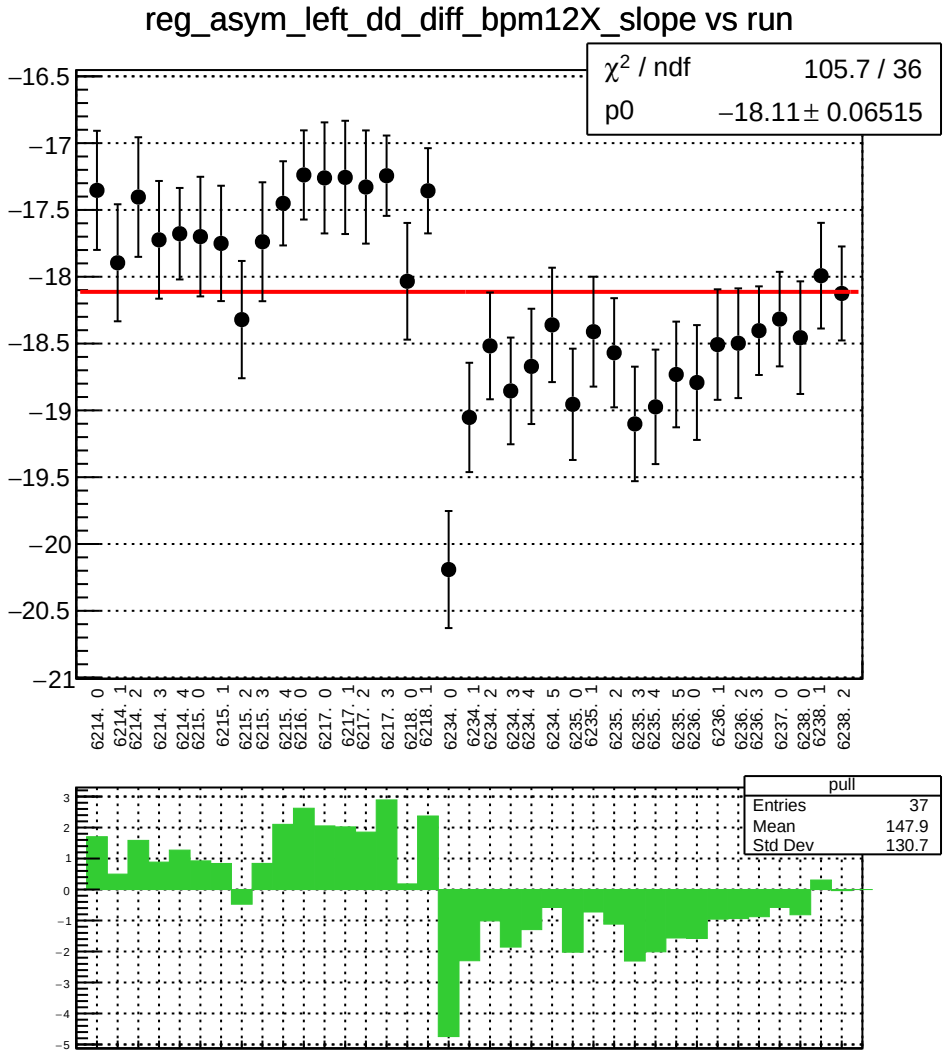

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.86 / 36
p0 3.943 ± 0.8071
20
15
10
5
0
−5
−10
−15
−20
−25
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −23.22
Std Dev 37.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

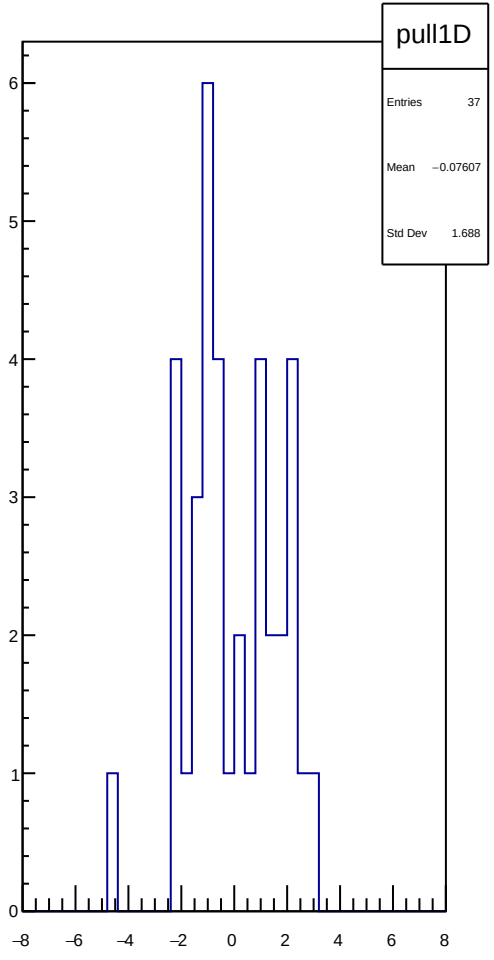

pull1D
Entries 37
Mean −0.06325
Std Dev 0.9403
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

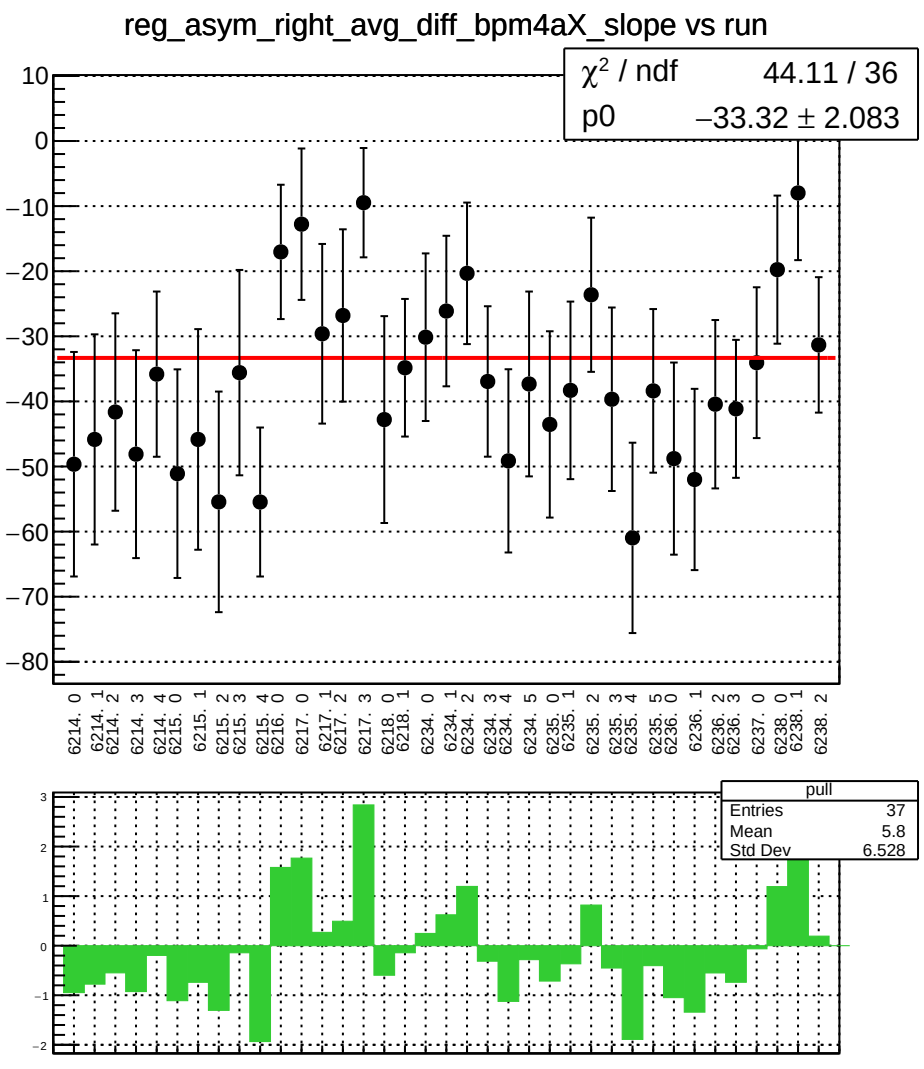

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.01 / 36
p0 23.26 ± 1.412
50
40
30
20
10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −10.23
Std Dev 29.53
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08143
Std Dev 0.8181
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

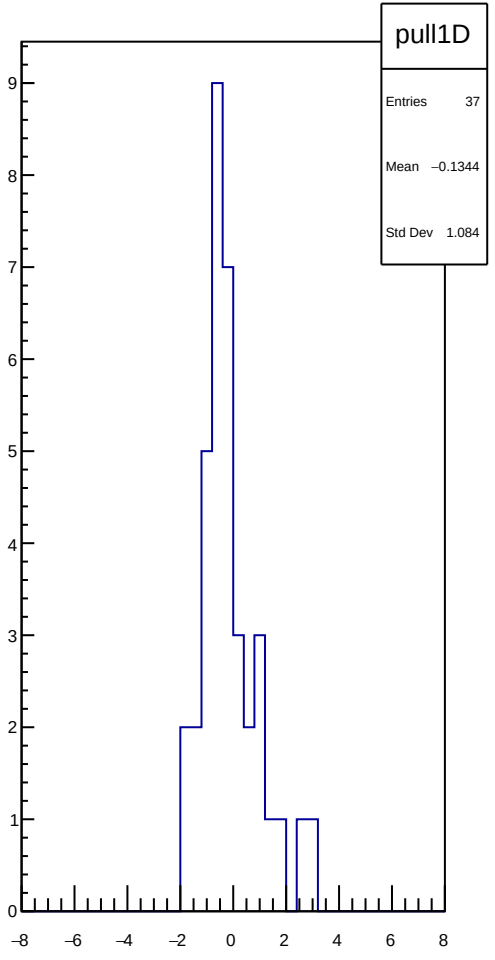

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.09 / 36
p0 4.889 ± 0.8771
30
25
20
15
10
5
0
−5
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −32.23
Std Dev 45.75
2
1
0
−1
−2

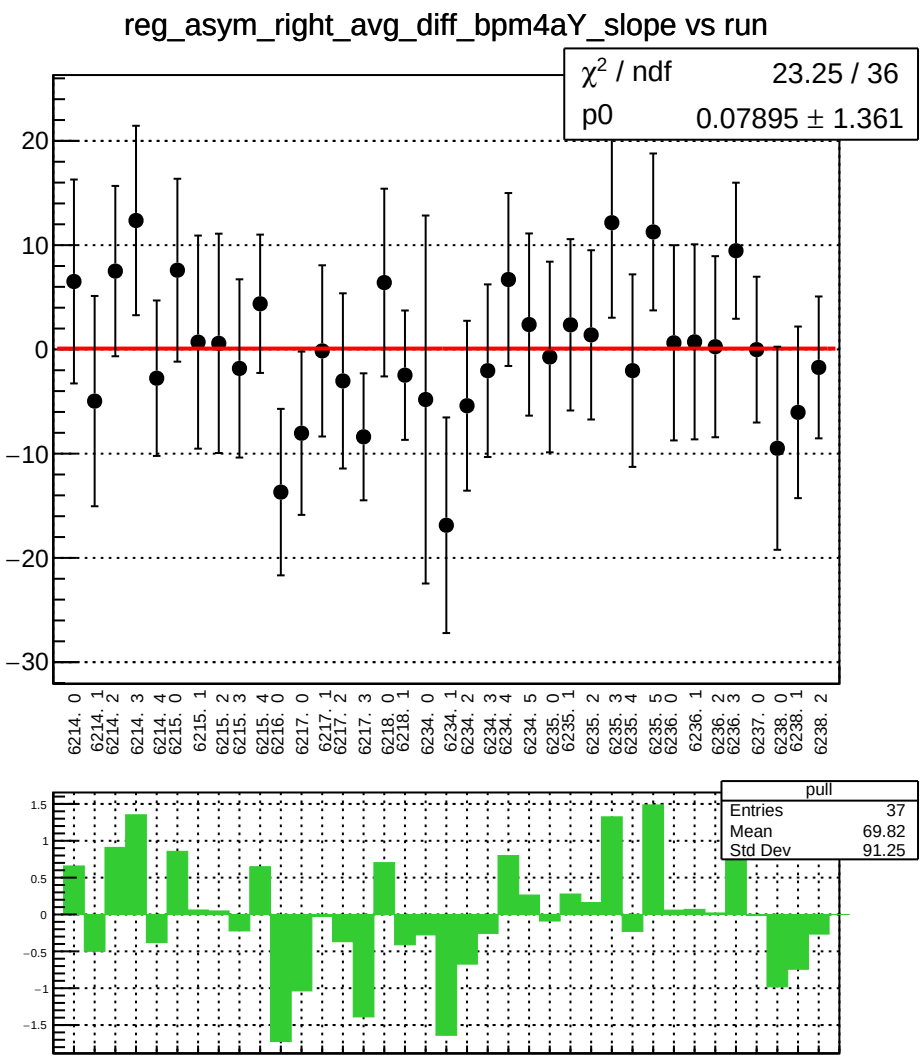

pull1D
Entries 37
Mean 0.05368
Std Dev 0.9584
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

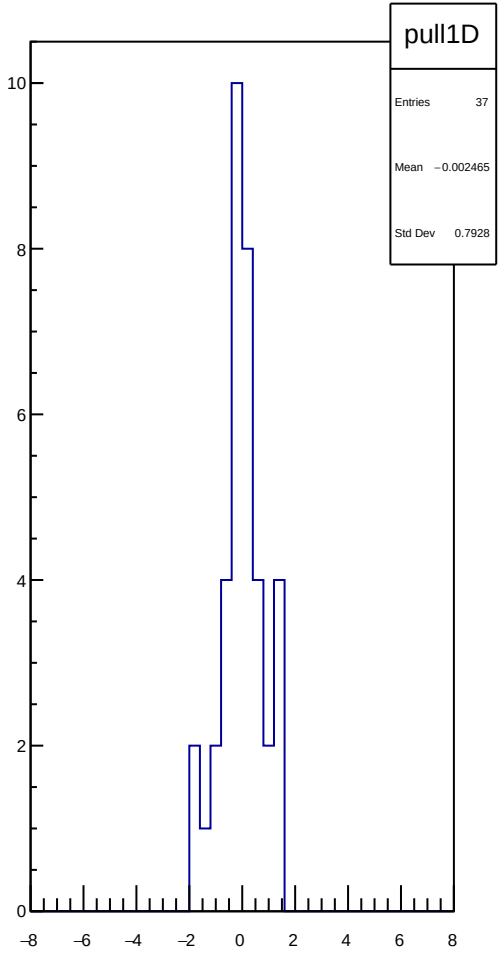

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 105.7 / 36
p0 −18.11 ± 0.06515
pull
Entries 37
Mean 147.9
Std Dev 130.7

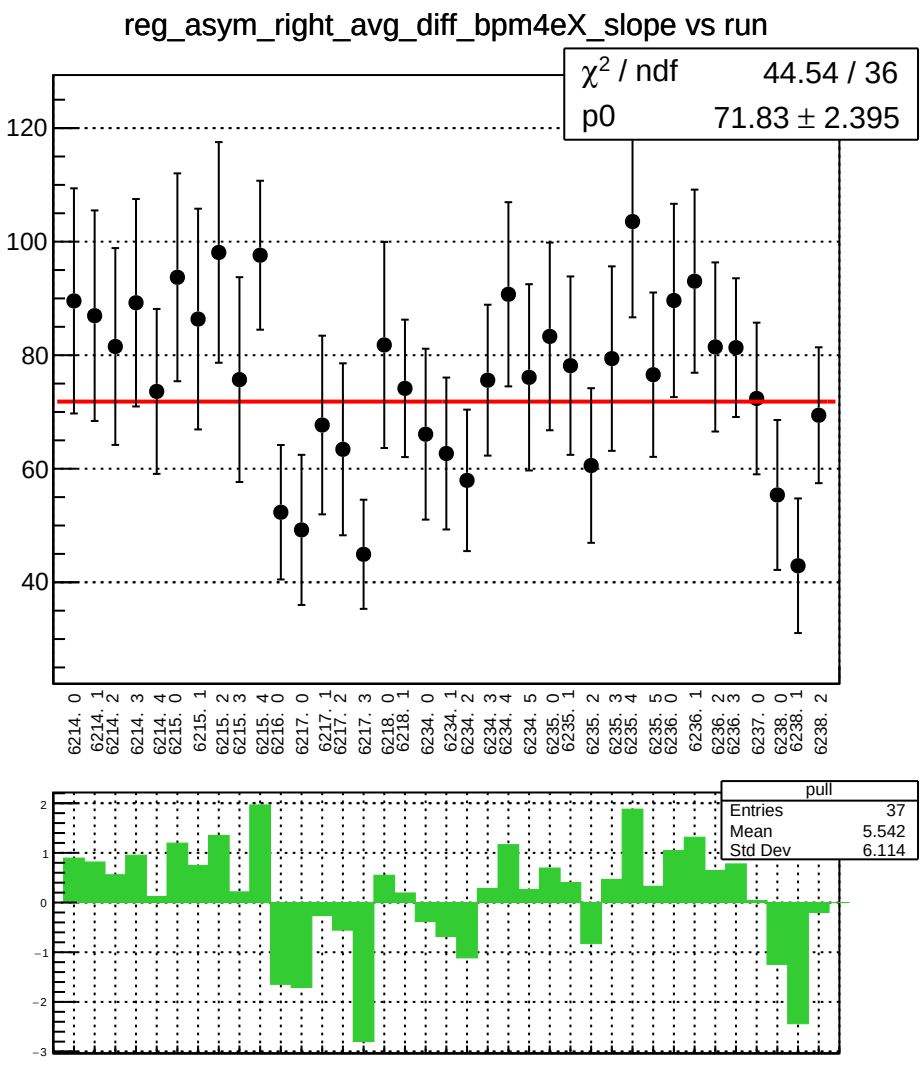

pull1D
Entries 37
Mean −0.07607
Std Dev 1.688

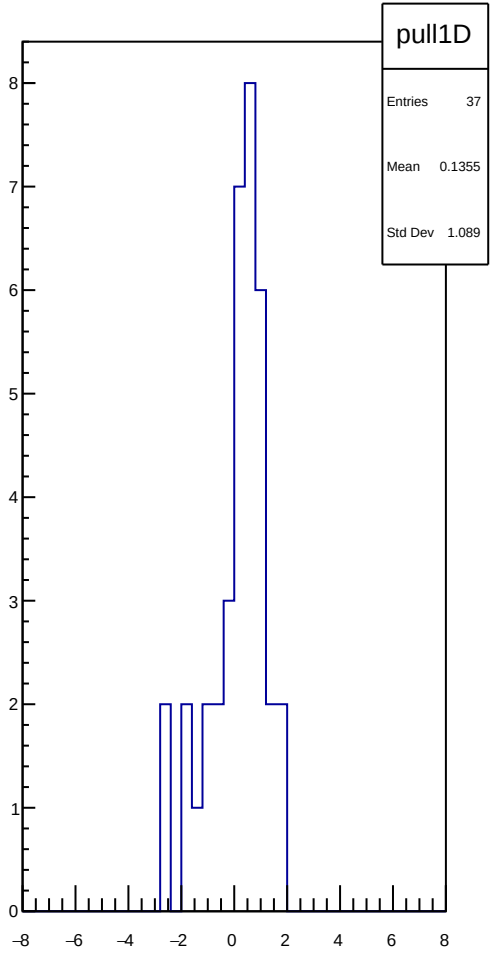

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 44.11 / 36
p0 −33.32 ± 2.083
pull
Entries 37
Mean 5.8
Std Dev 6.528

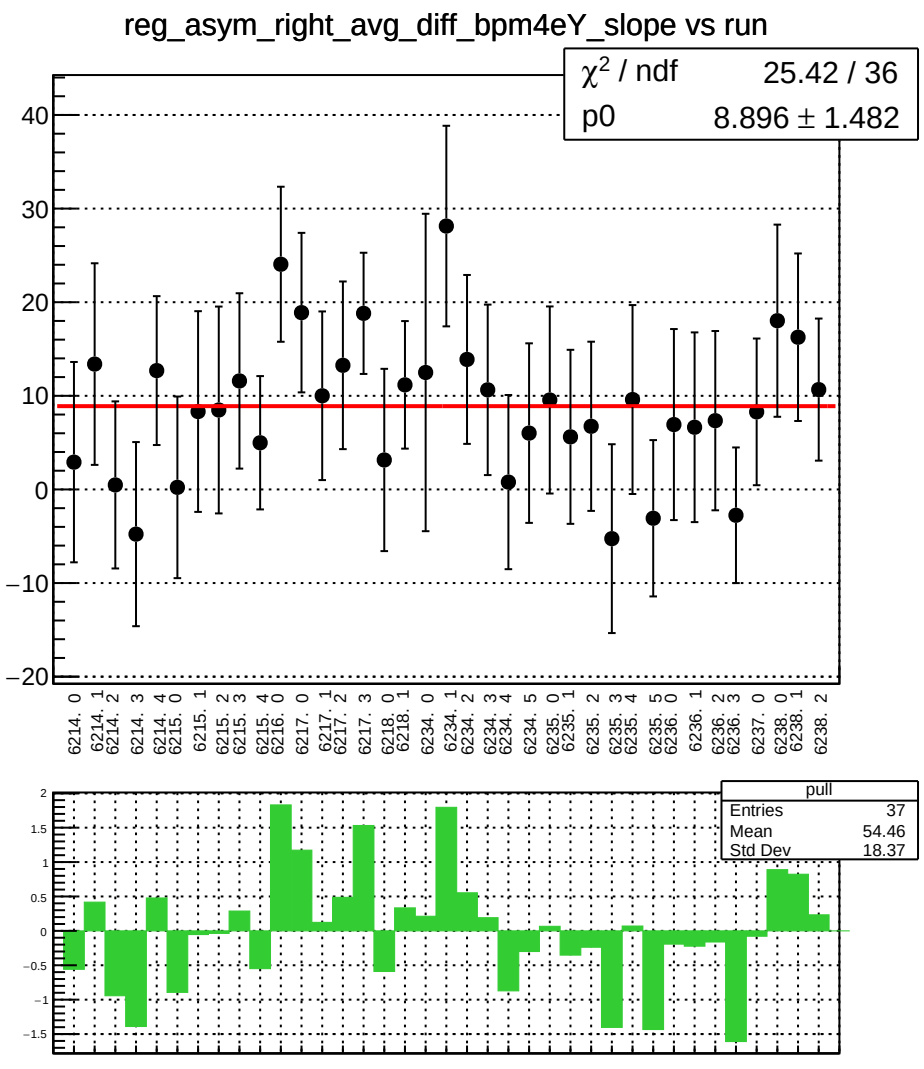

pull1D
Entries 37
Mean −0.1344
Std Dev 1.084

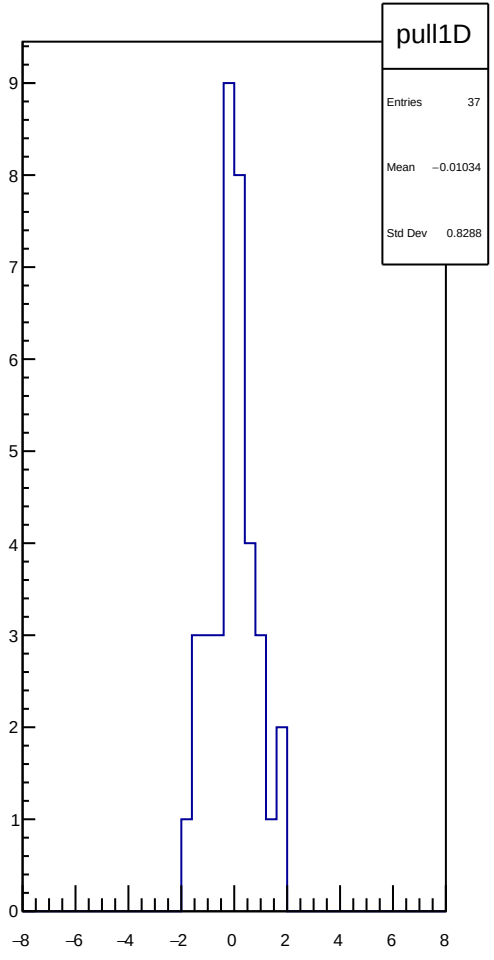

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.25 / 36
p0 0.07895 ± 1.361
pull
Entries 37
Mean 69.82
Std Dev 91.25

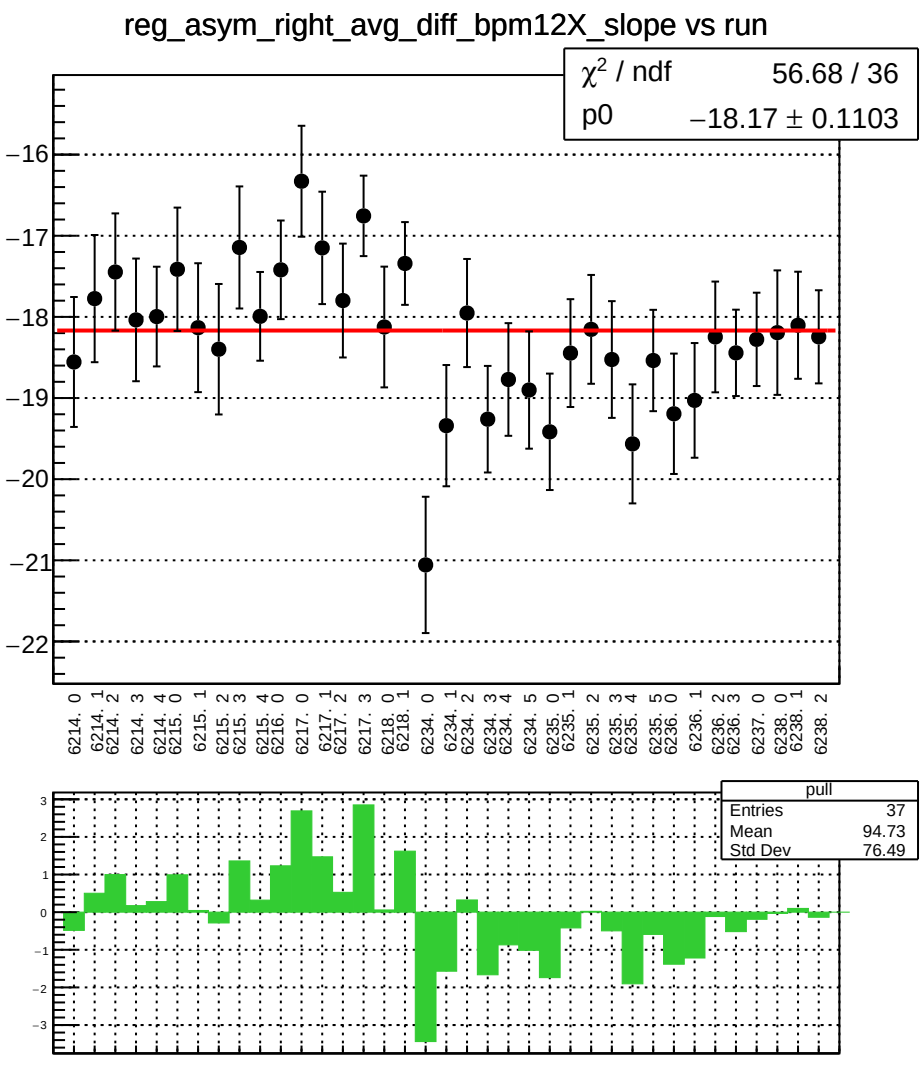

pull1D
Entries 37
Mean −0.002465
Std Dev 0.7928

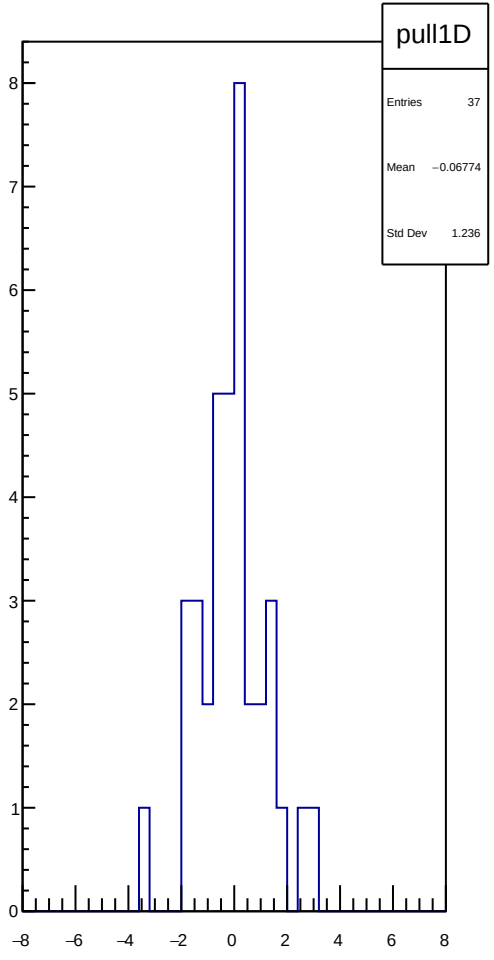

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.54 / 36
p0 71.83 ± 2.395
120
100
80
60
40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 5.542
Std Dev 6.114
2
1
0
−1
−2
−3

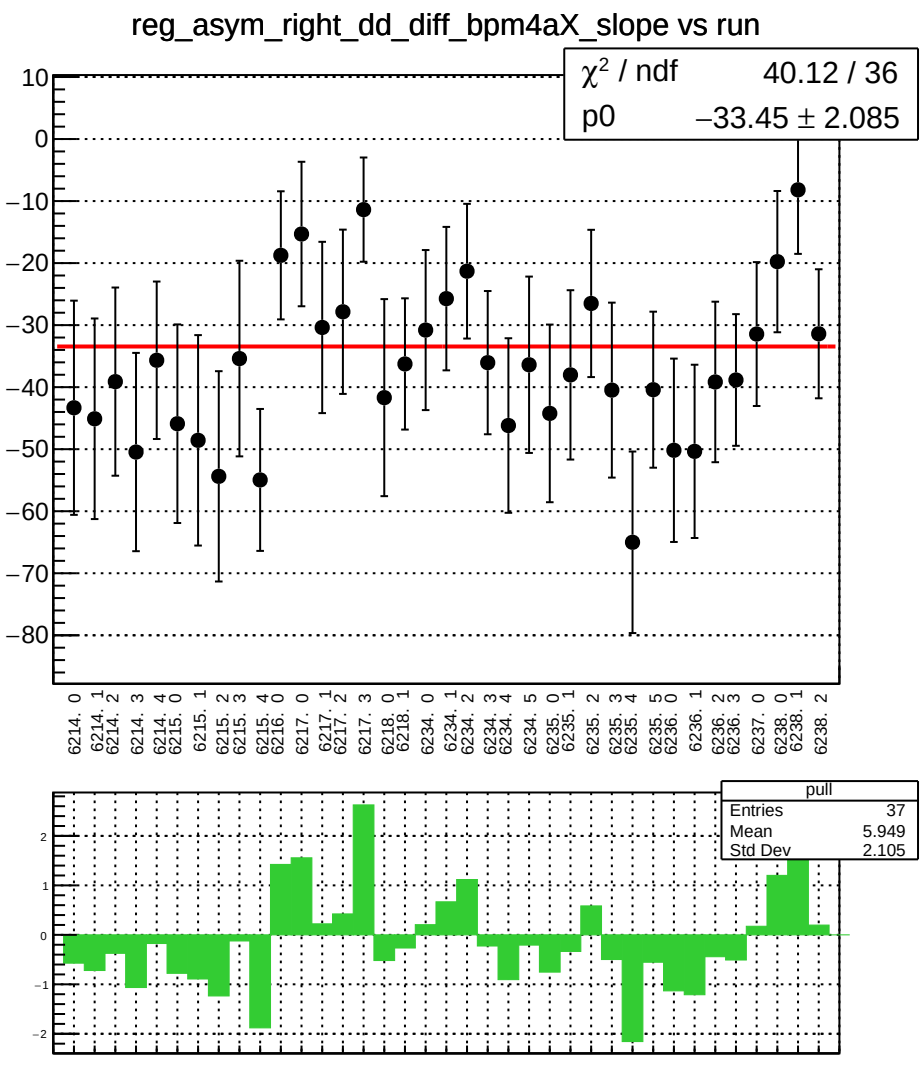

pull1D
Entries 37
Mean 0.1355
Std Dev 1.089
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

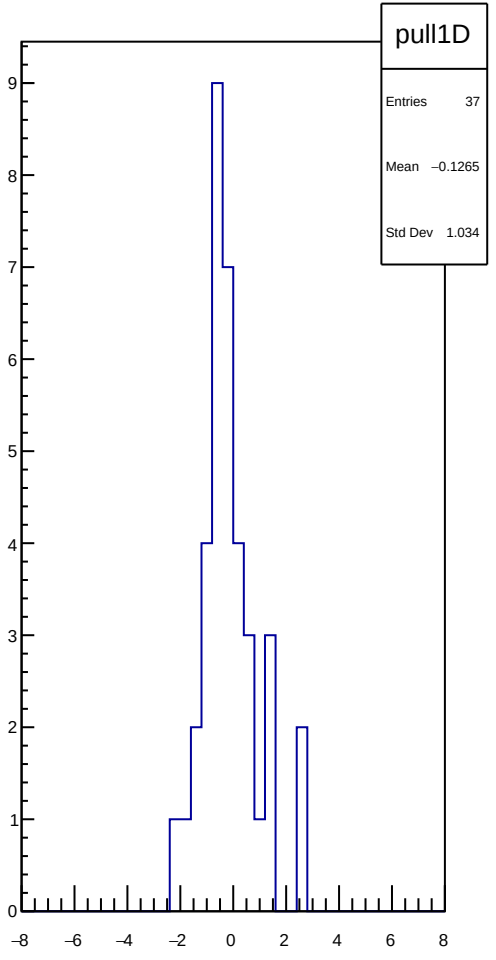

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.42 / 36
p0 8.896 ± 1.482
pull
Entries 37
Mean 54.46
Std Dev 18.37

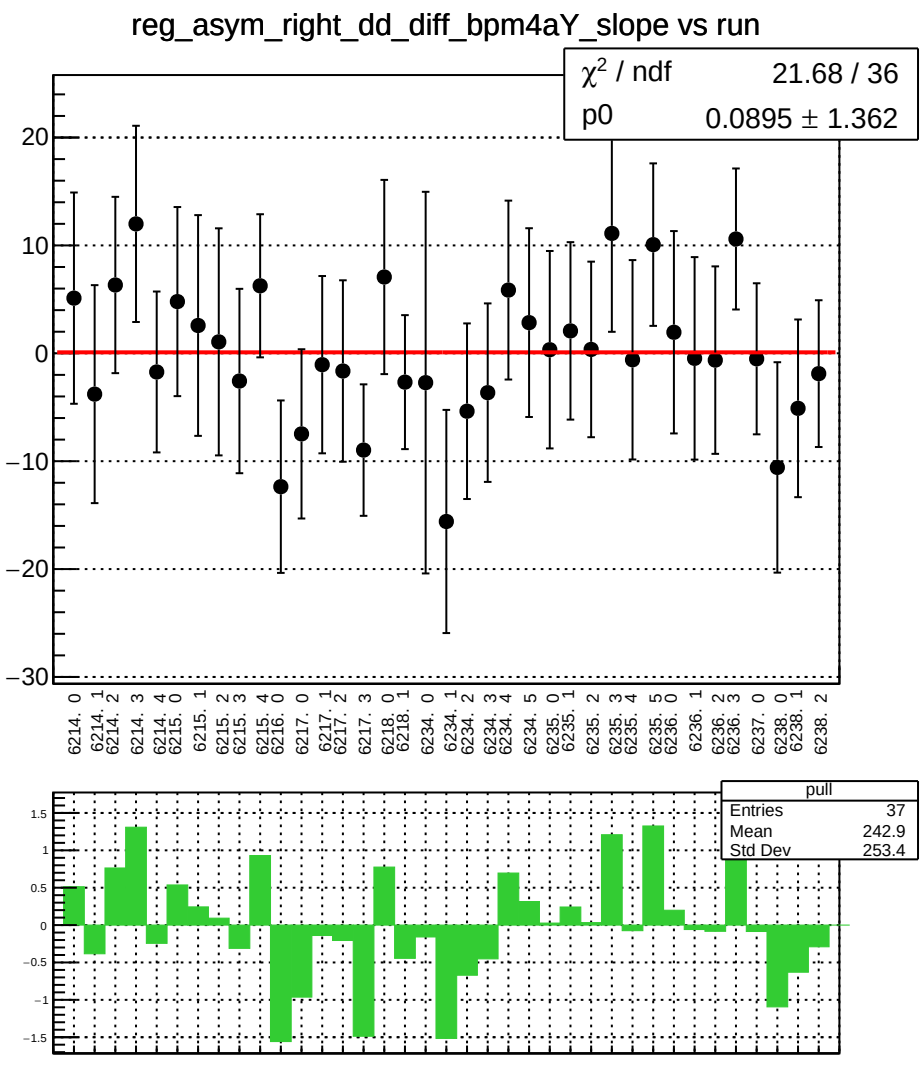

pull1D
Entries 37
Mean −0.01034
Std Dev 0.8288

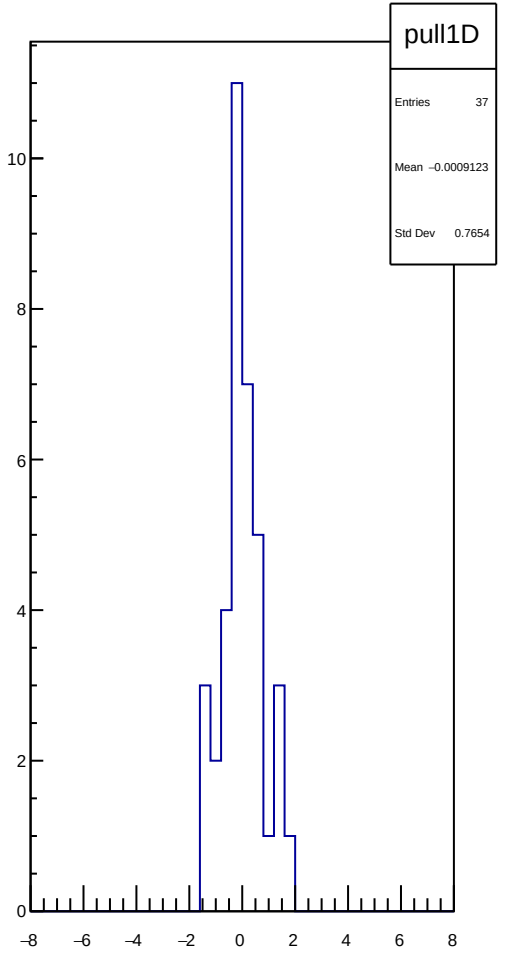

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 56.68 / 36
p0 −18.17 ± 0.1103
−16
−17
−18
−19
−20
−21
−22
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 94.73
Std Dev 76.49
3
2
1
0
−1
−2
−3

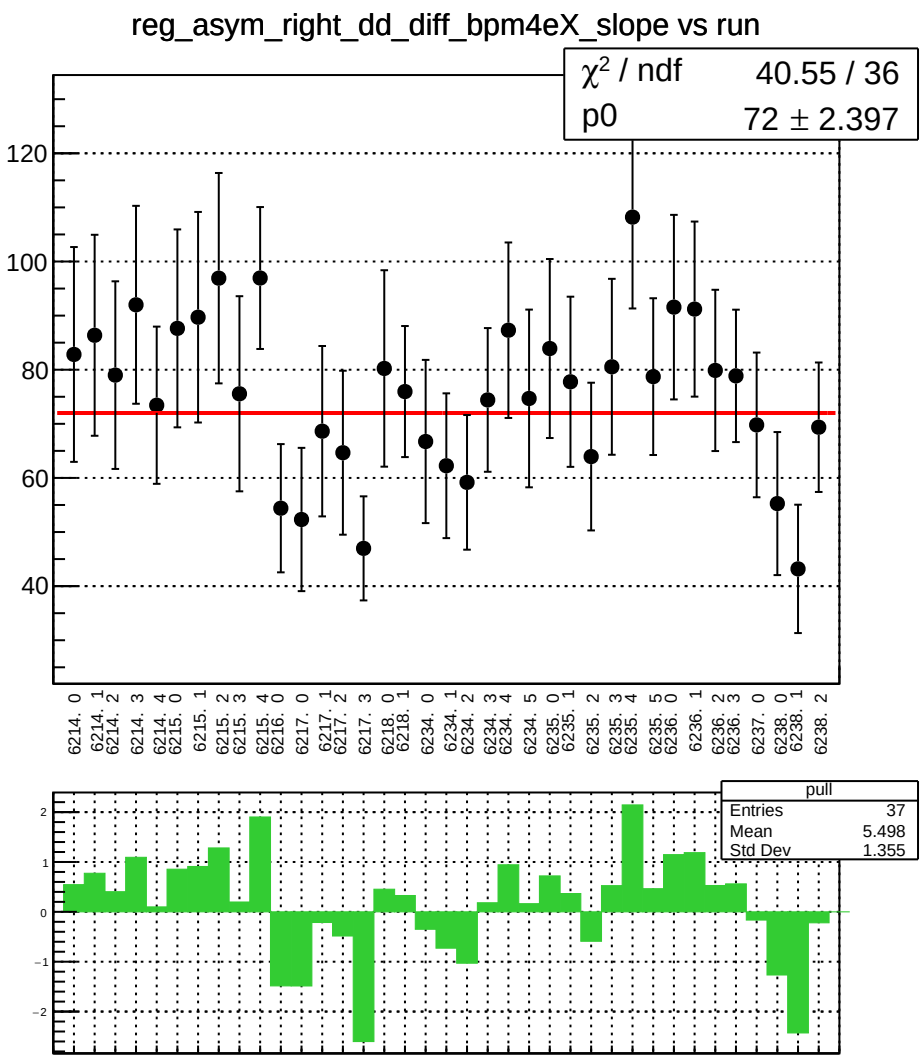

pull1D
Entries 37
Mean −0.06774
Std Dev 1.236
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

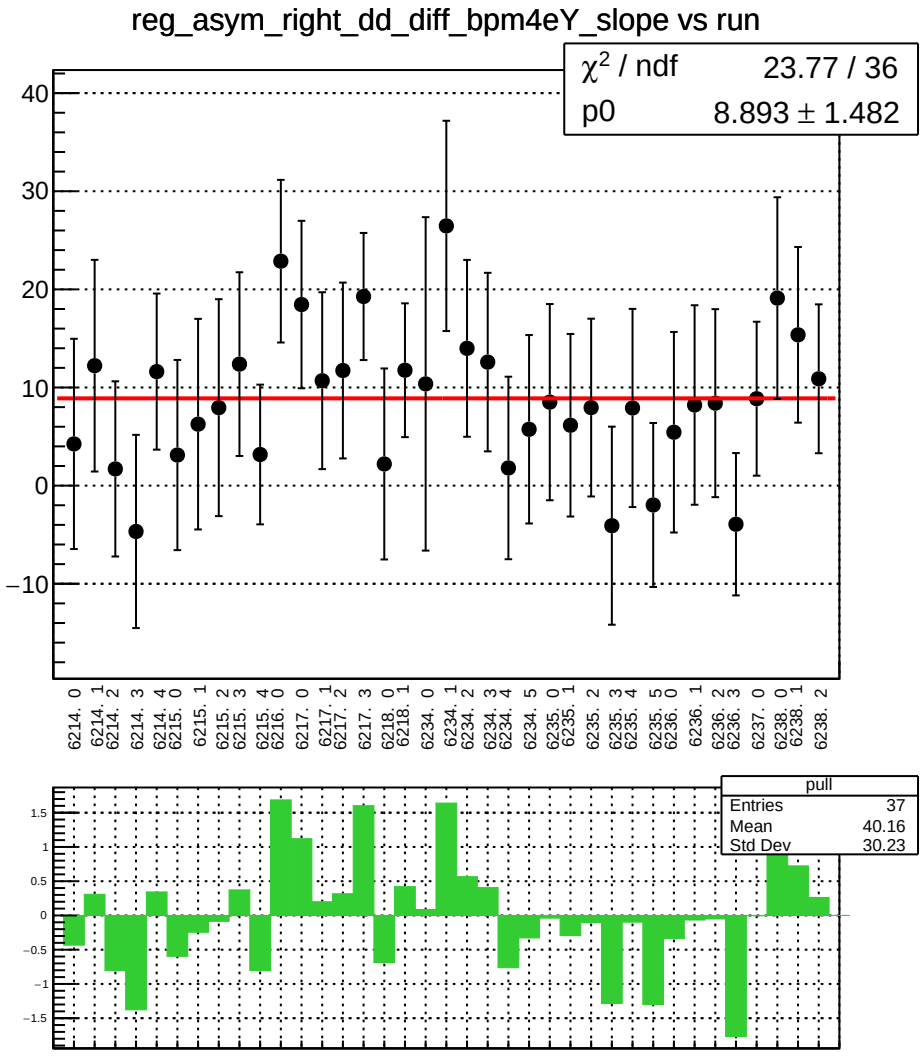

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.12 / 36
p0 −33.45 ± 2.085
pull
Entries 37
Mean 5.949
Std Dev 2.105

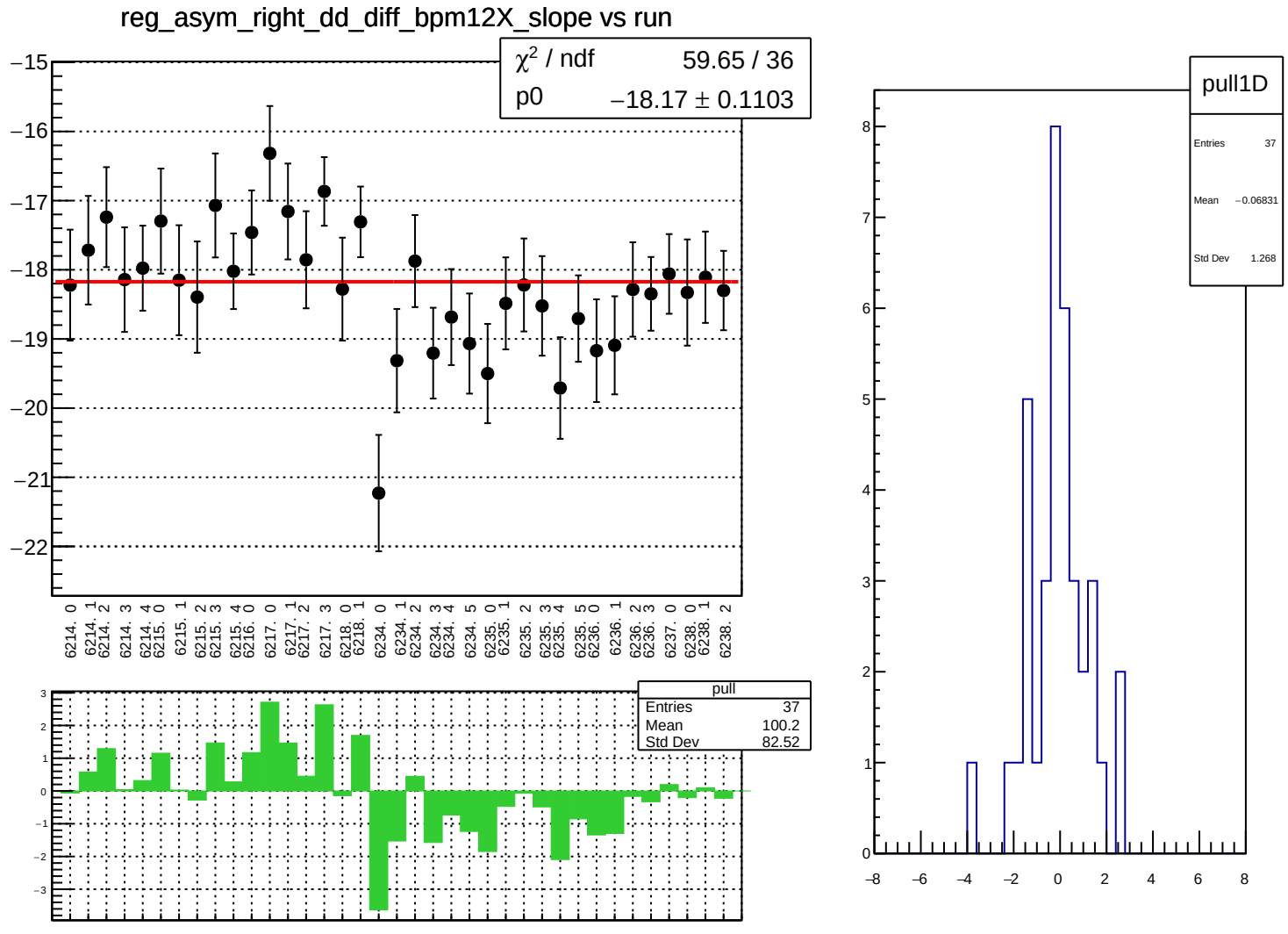

pull1D
Entries 37
Mean −0.1265
Std Dev 1.034

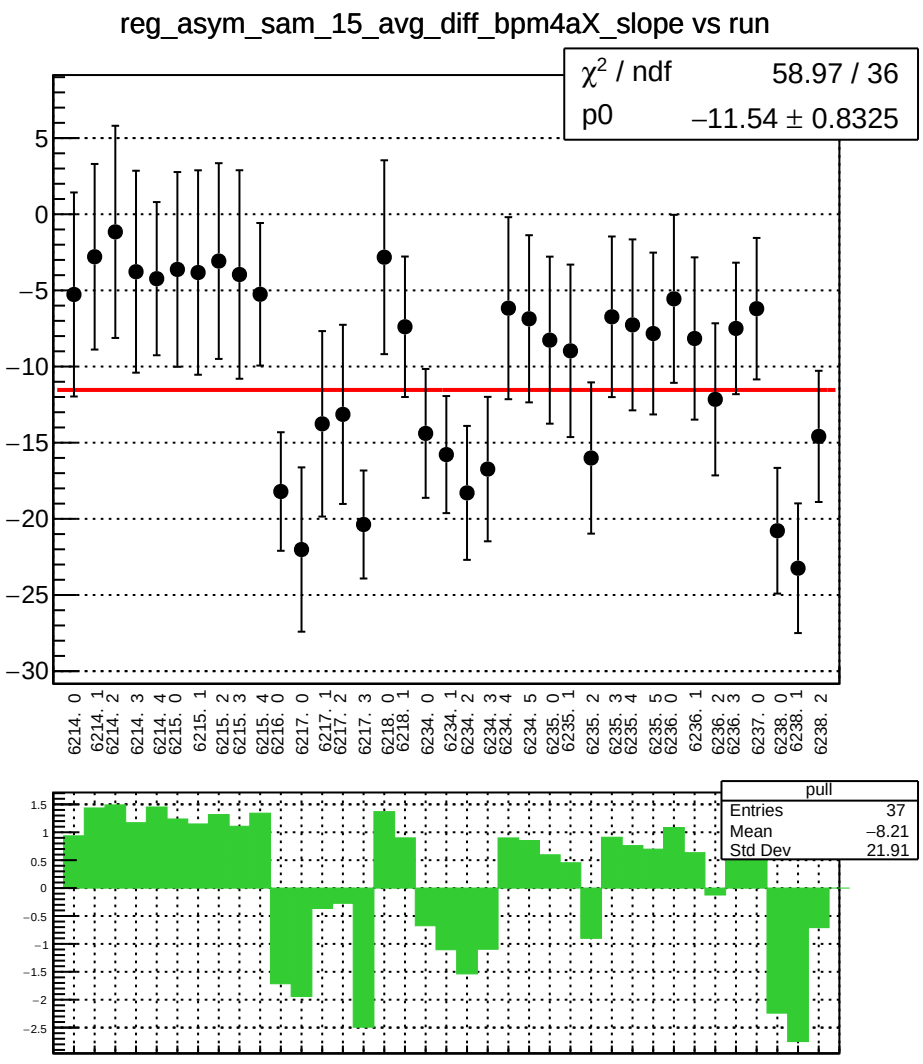

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.68 / 36
p0 0.0895 ± 1.362
20
10
0
−10
−20
−30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 242.9
Std Dev 253.4
1.5
1
0.5
0
−0.5
−1
−1.5

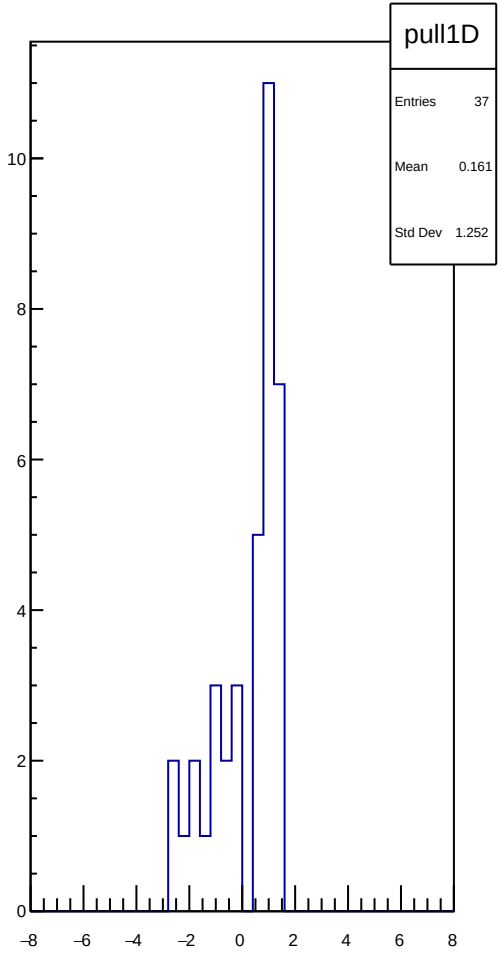

pull1D
Entries 37
Mean −0.0009123
Std Dev 0.7654
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

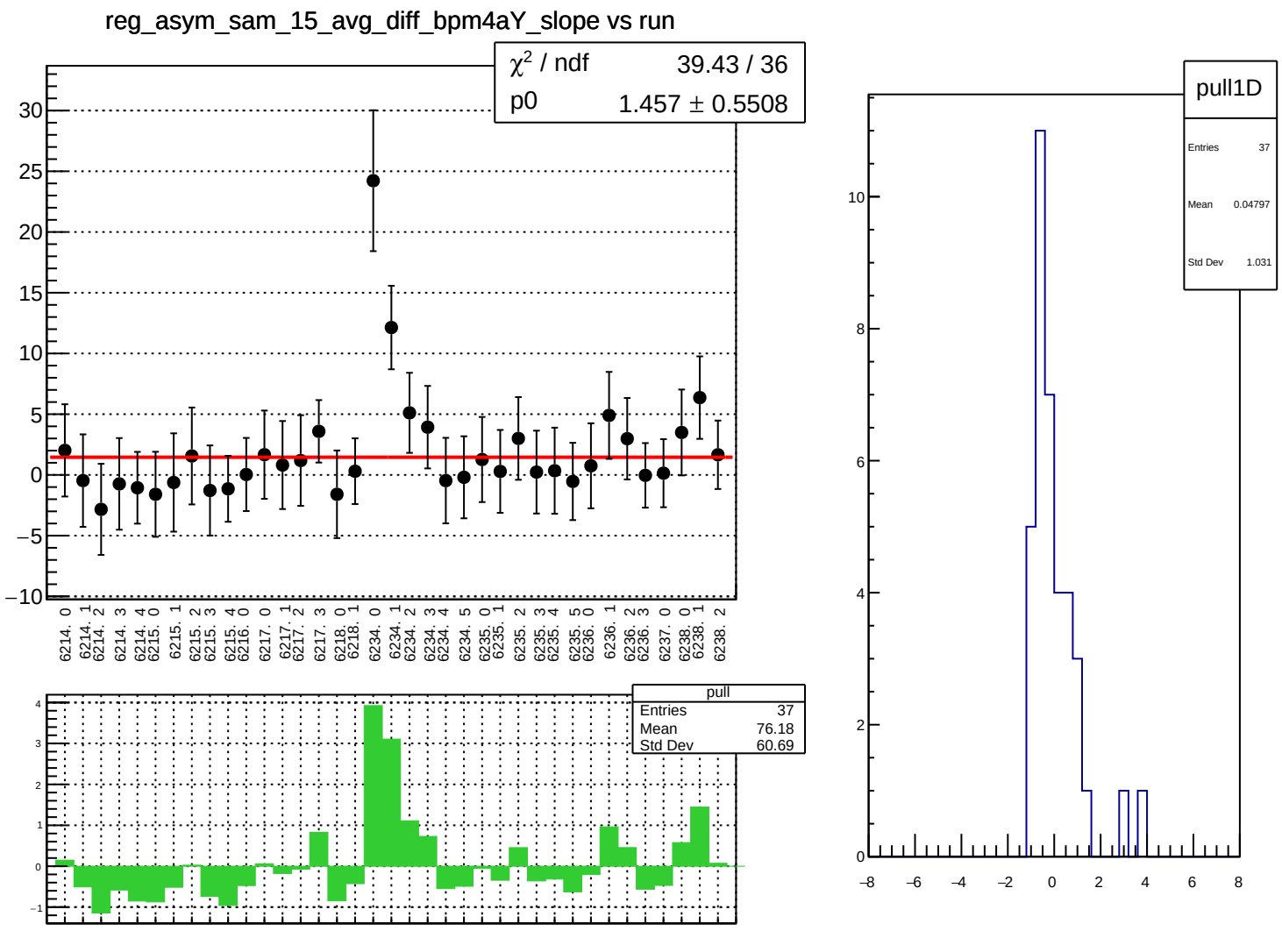

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.55 / 36
p0 72 ± 2.397
120
100
80
60
40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 5.498
Std Dev 1.355
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1278
Std Dev 1.039
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

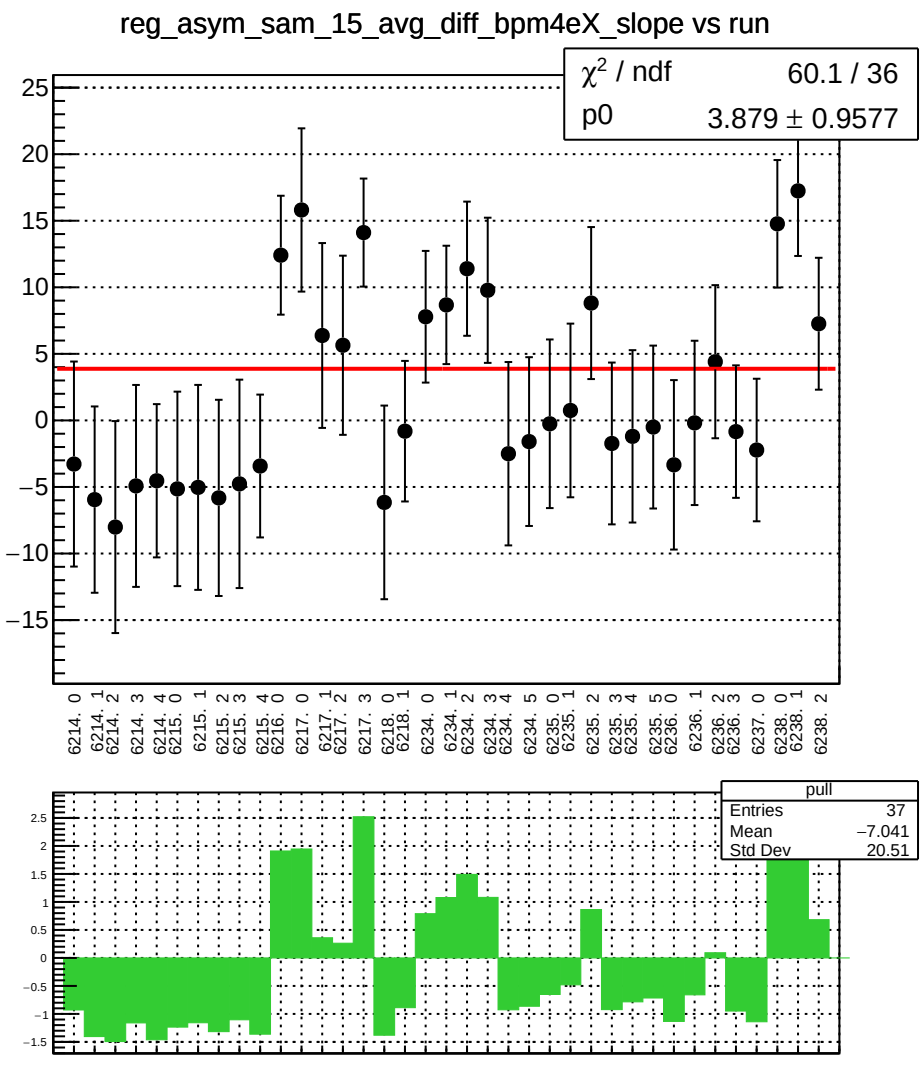

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.77 / 36
p0 8.893 ± 1.482
40
30
20
10
0
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 40.16
Std Dev 30.23
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.01133
Std Dev 0.8014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

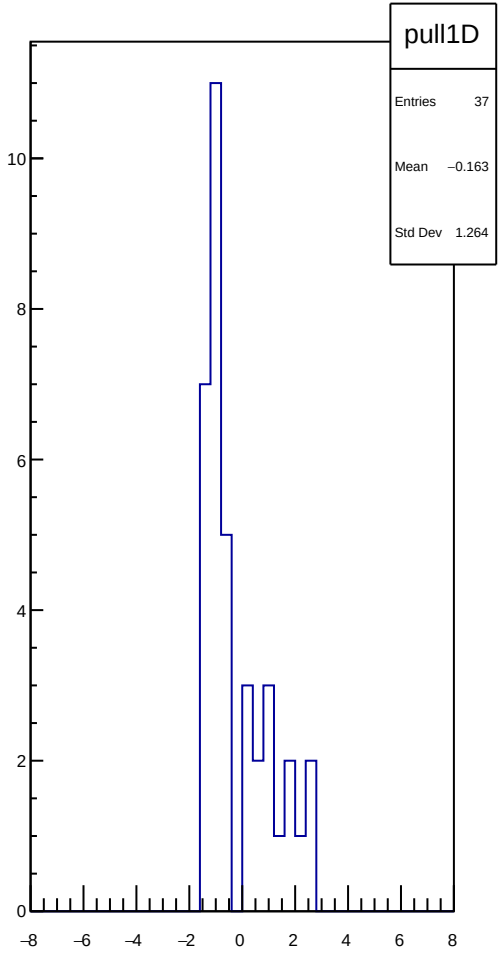

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 59.65 / 36
p0 −18.17 ± 0.1103
pull
Entries 37
Mean 100.2
Std Dev 82.52
pull1D
Entries 37
Mean −0.06831
Std Dev 1.268

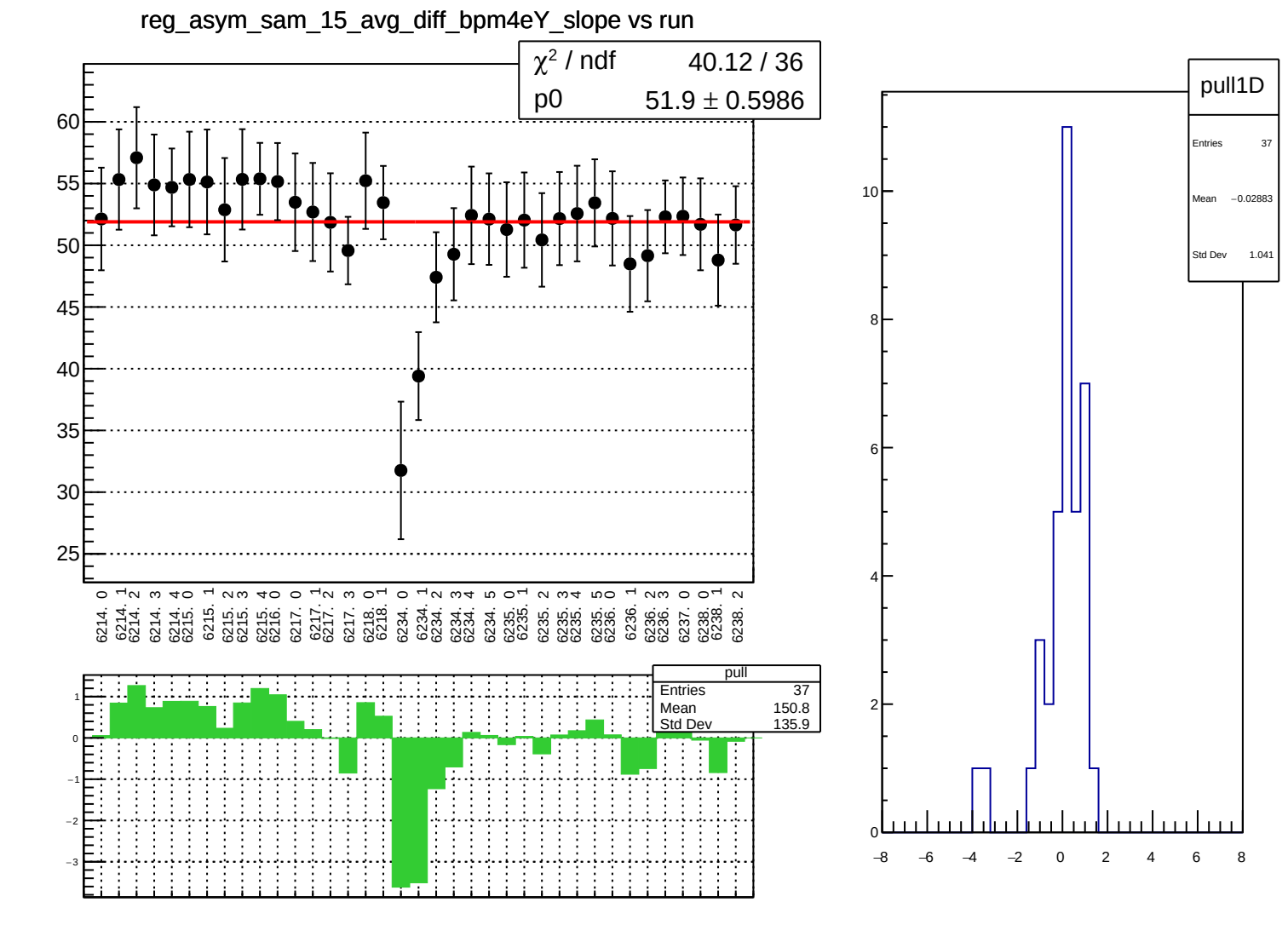

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 58.97 / 36
p0 −11.54 ± 0.8325
pull
Entries 37
Mean −8.21
Std Dev 21.91

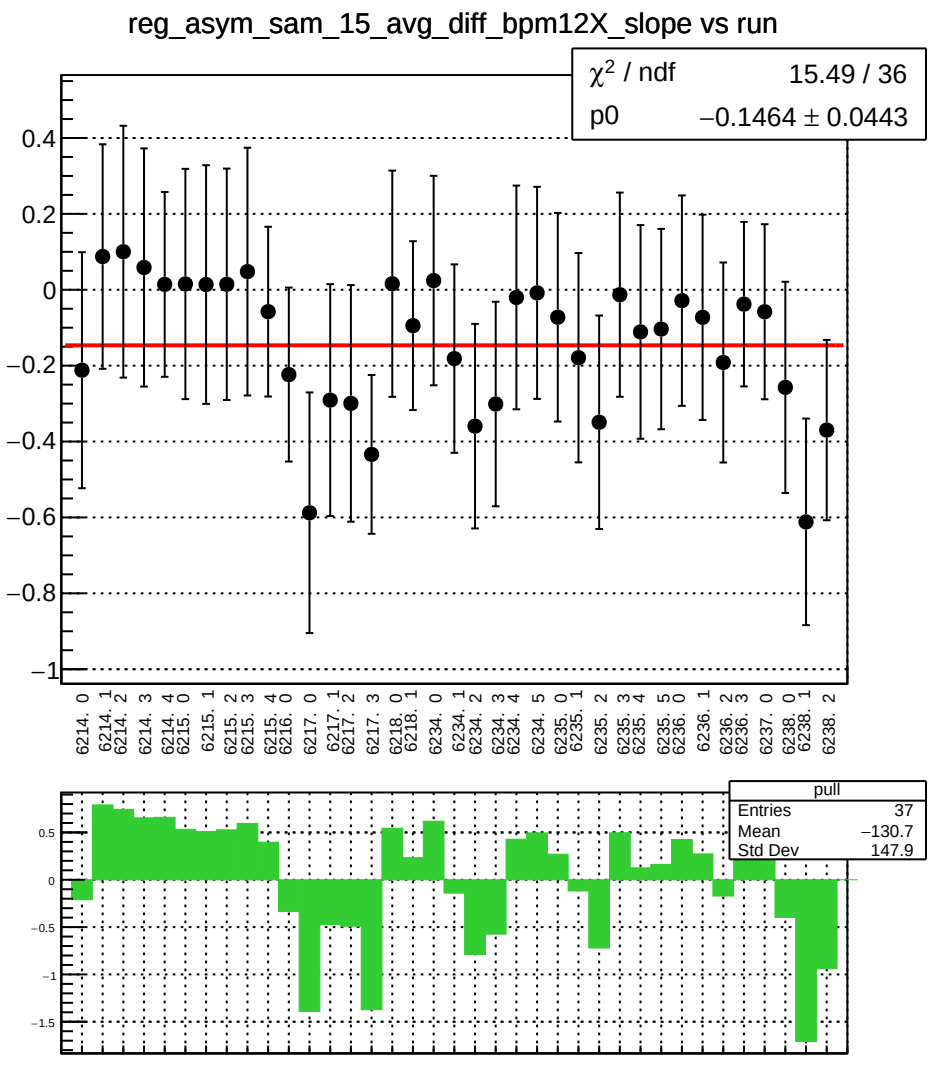

pull1D
Entries 37
Mean 0.161
Std Dev 1.252

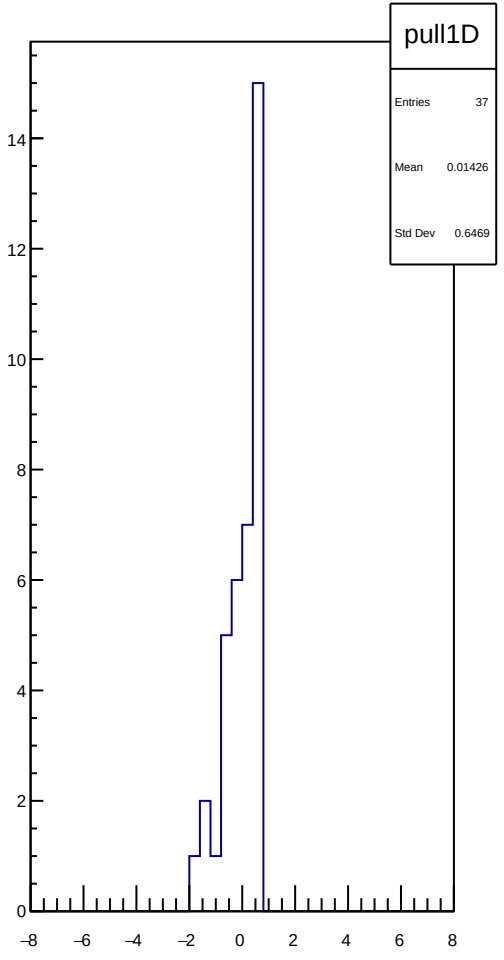

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.43 / 36
p0 1.457 ± 0.5508
pull
Entries 37
Mean 76.18
Std Dev 60.69
pull1D
Entries 37
Mean 0.04797
Std Dev 1.031

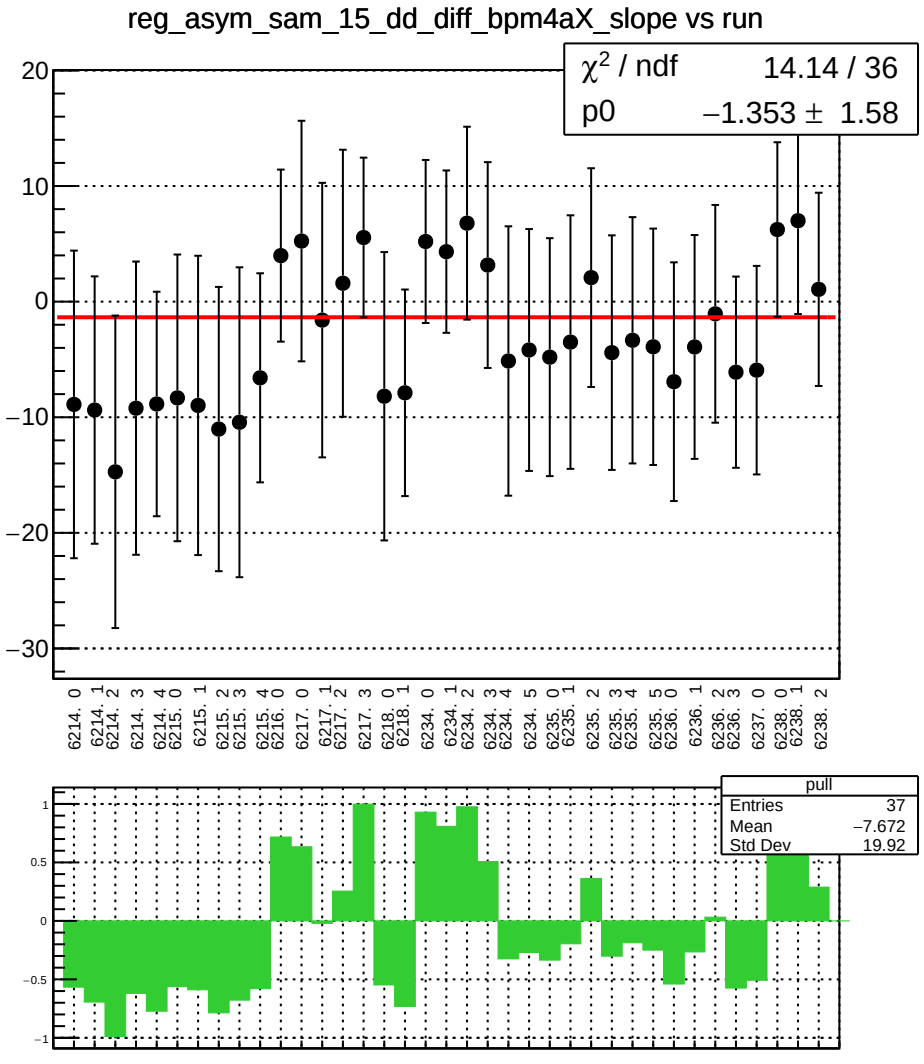

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.1 / 36
p0 3.879 ± 0.9577
pull
Entries 37
Mean −7.041
Std Dev 20.51

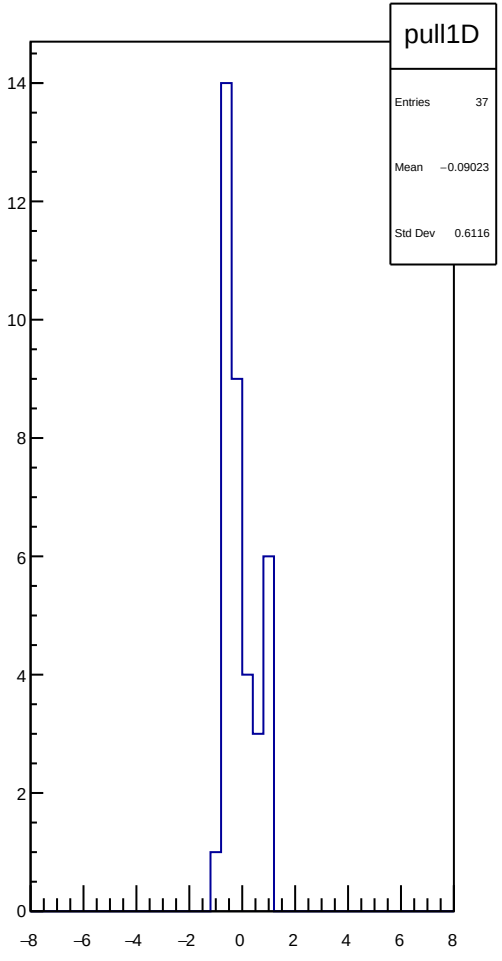

pull1D
Entries 37
Mean −0.163
Std Dev 1.264

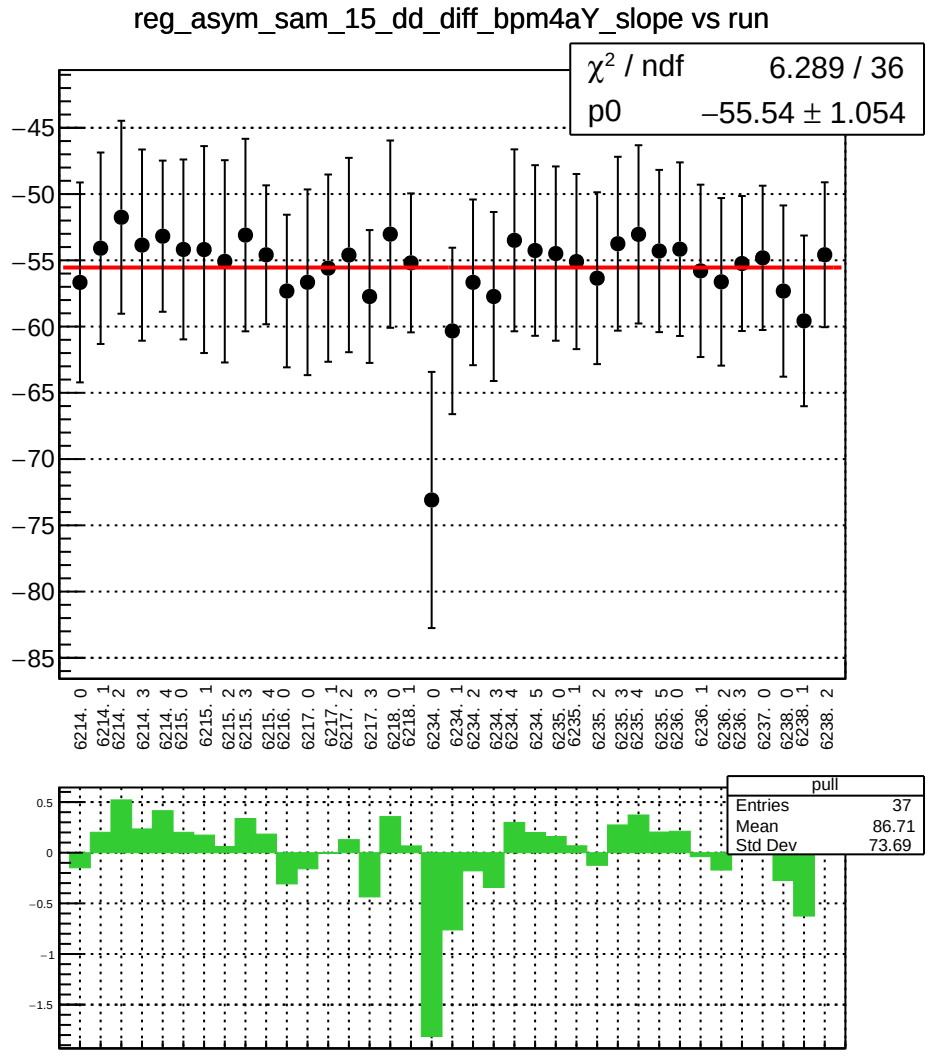

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.12 / 36
p0 51.9 ± 0.5986
pull
Entries 37
Mean 150.8
Std Dev 135.9
pull1D
Entries 37
Mean −0.02883
Std Dev 1.041

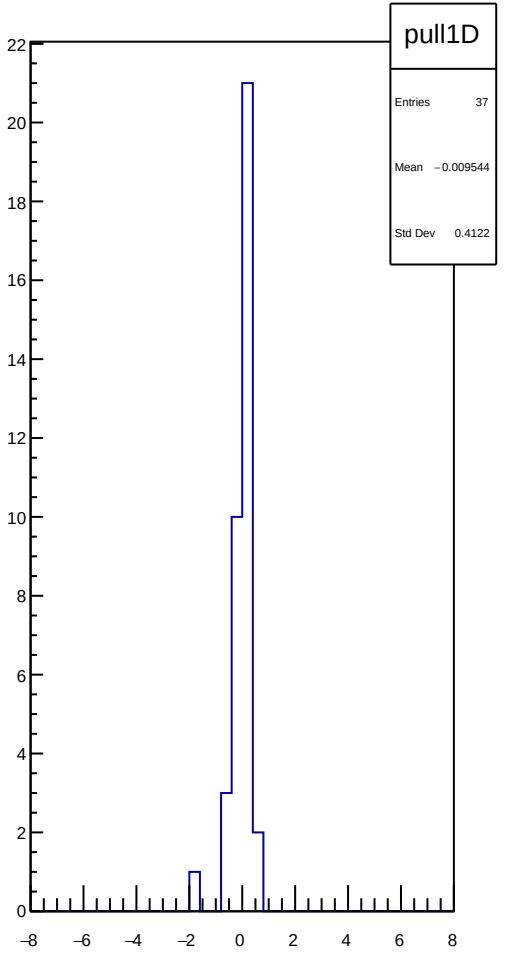

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 15.49 / 36
p0 −0.1464 ± 0.0443
pull
Entries 37
Mean −130.7
Std Dev 147.9

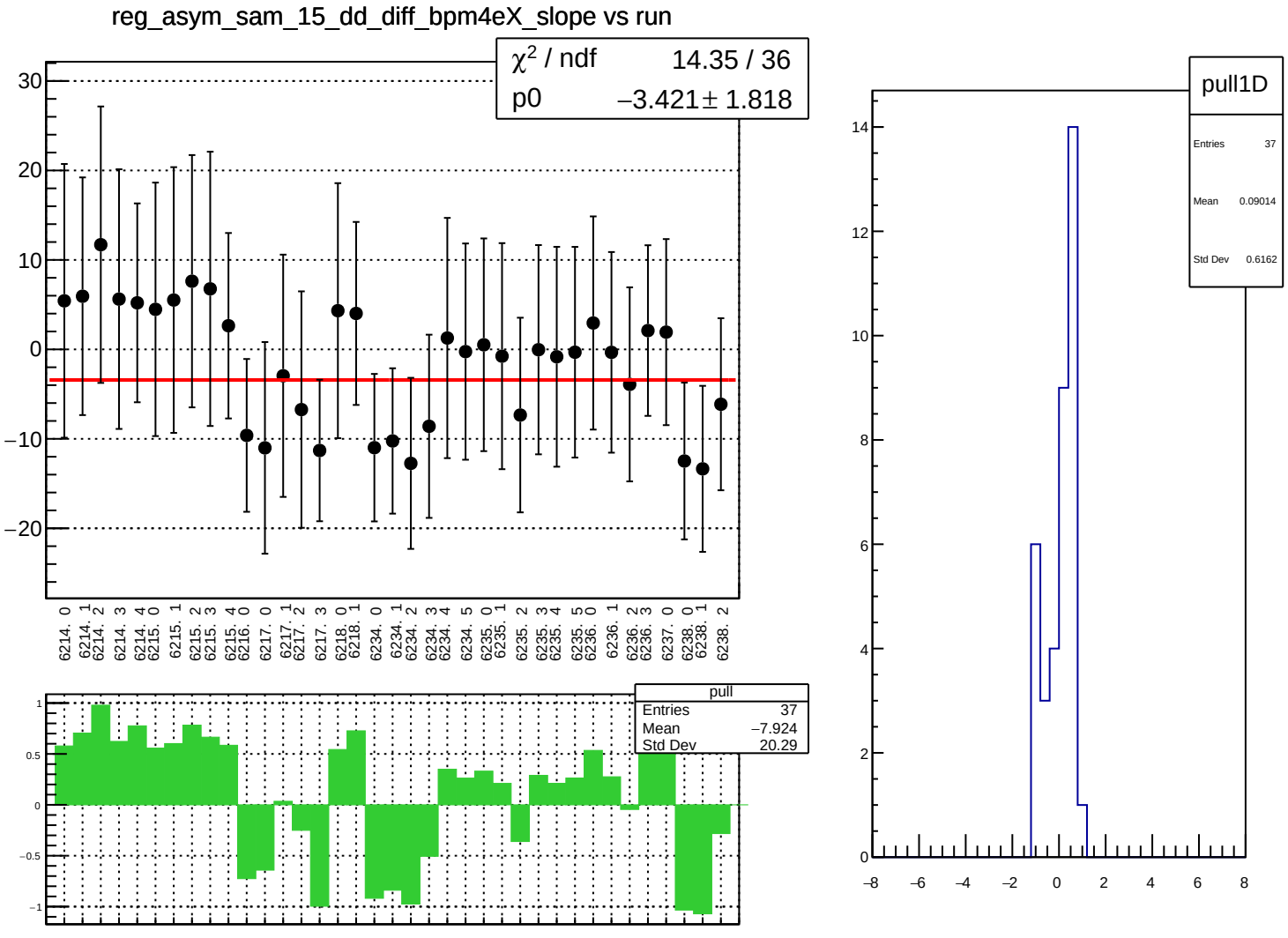

pull1D
Entries 37
Mean 0.01426
Std Dev 0.6469

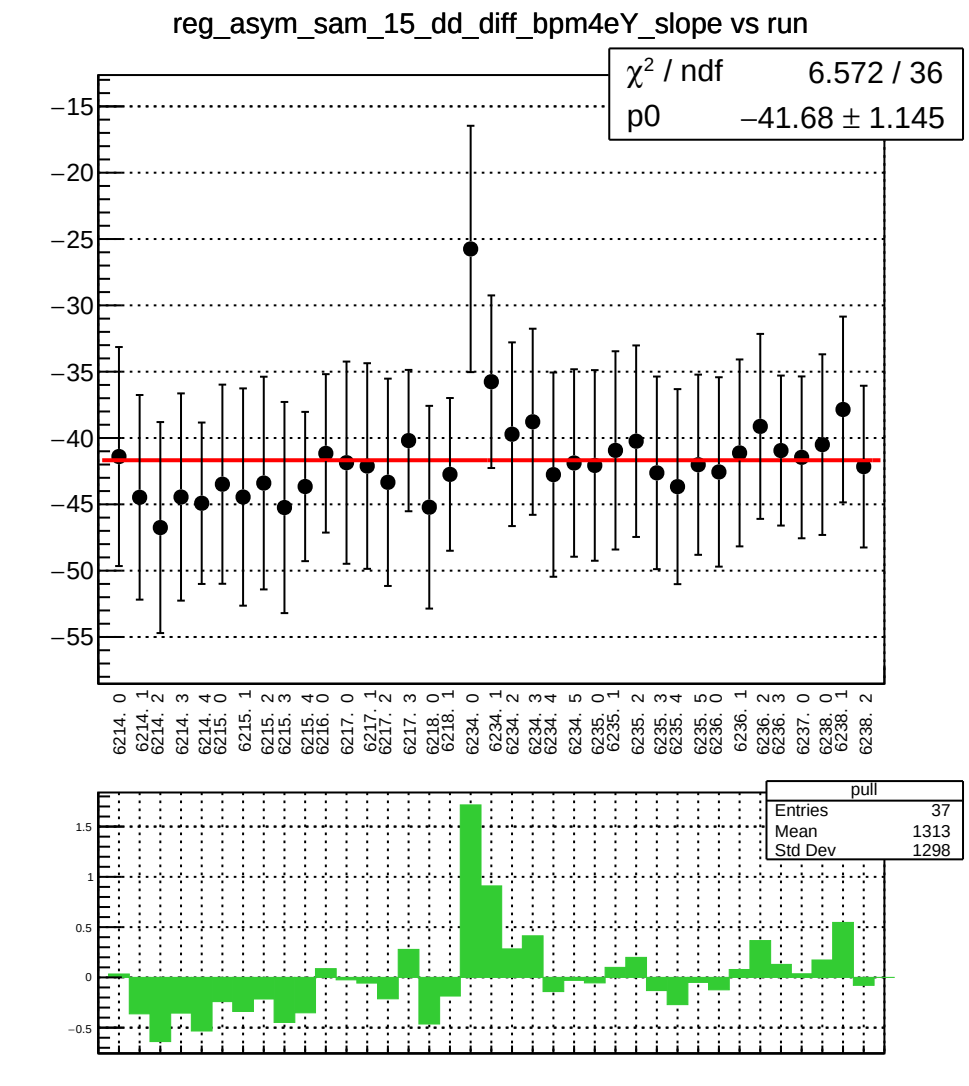

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.14 / 36
p0 −1.353 ± 1.58
pull
Entries 37
Mean −7.672
Std Dev 19.92

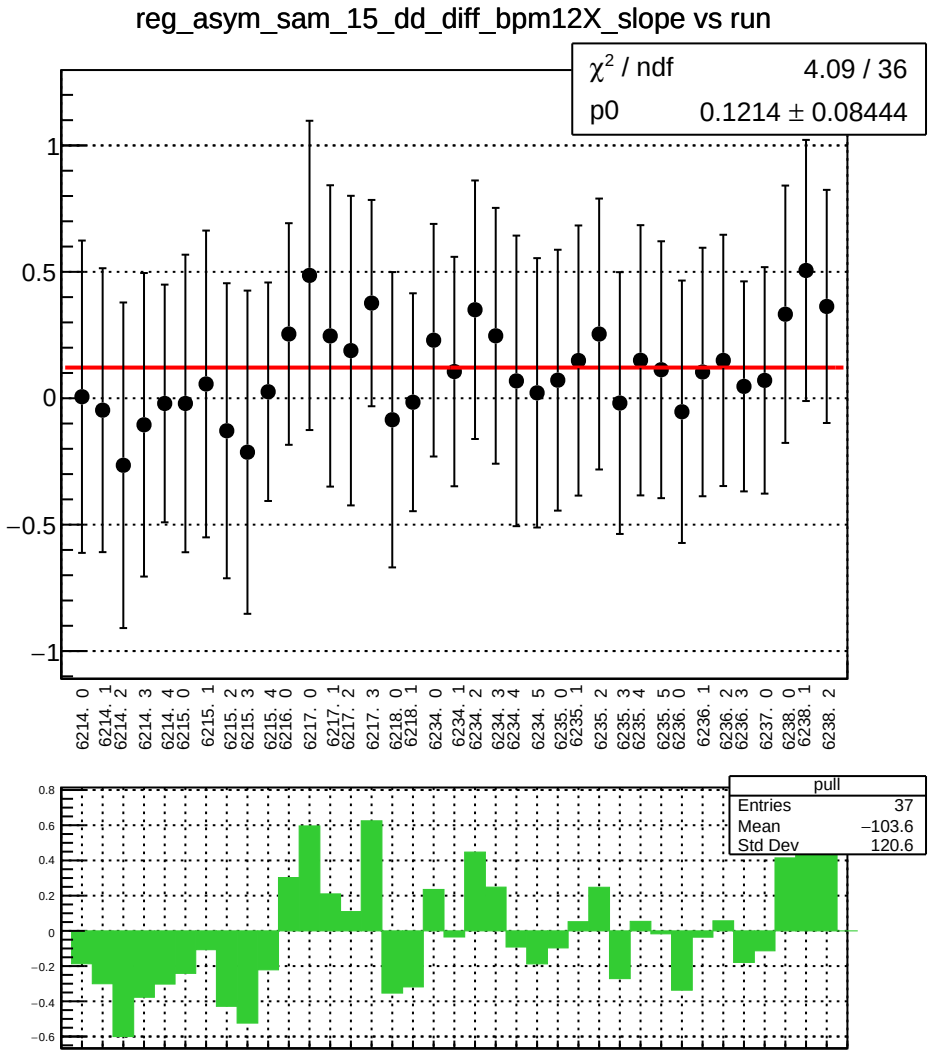

pull1D
Entries 37
Mean −0.09023
Std Dev 0.6116

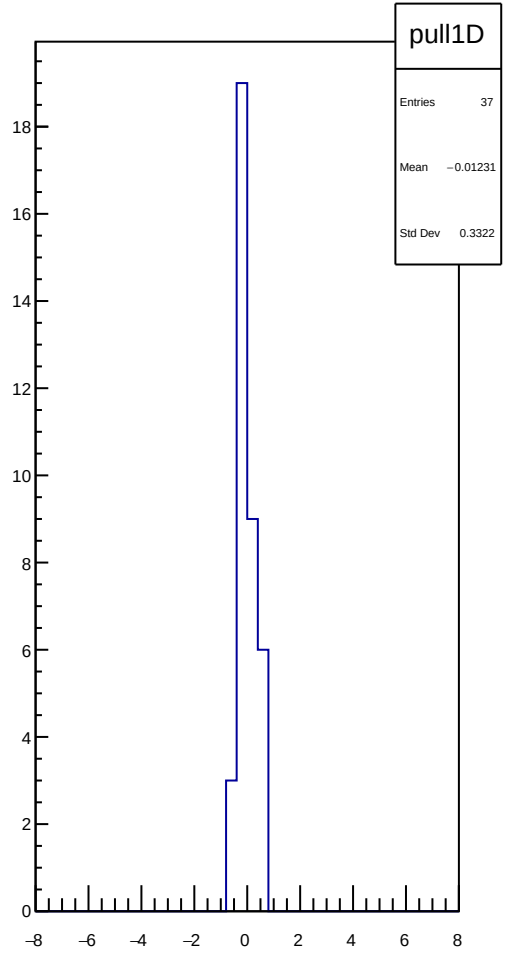

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.289 / 36
p0 −55.54 ± 1.054
−45
−50
−55
−60
−65
−70
−75
−80
−85
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 86.71
Std Dev 73.69
0.5
0
−0.5
−1
−1.5

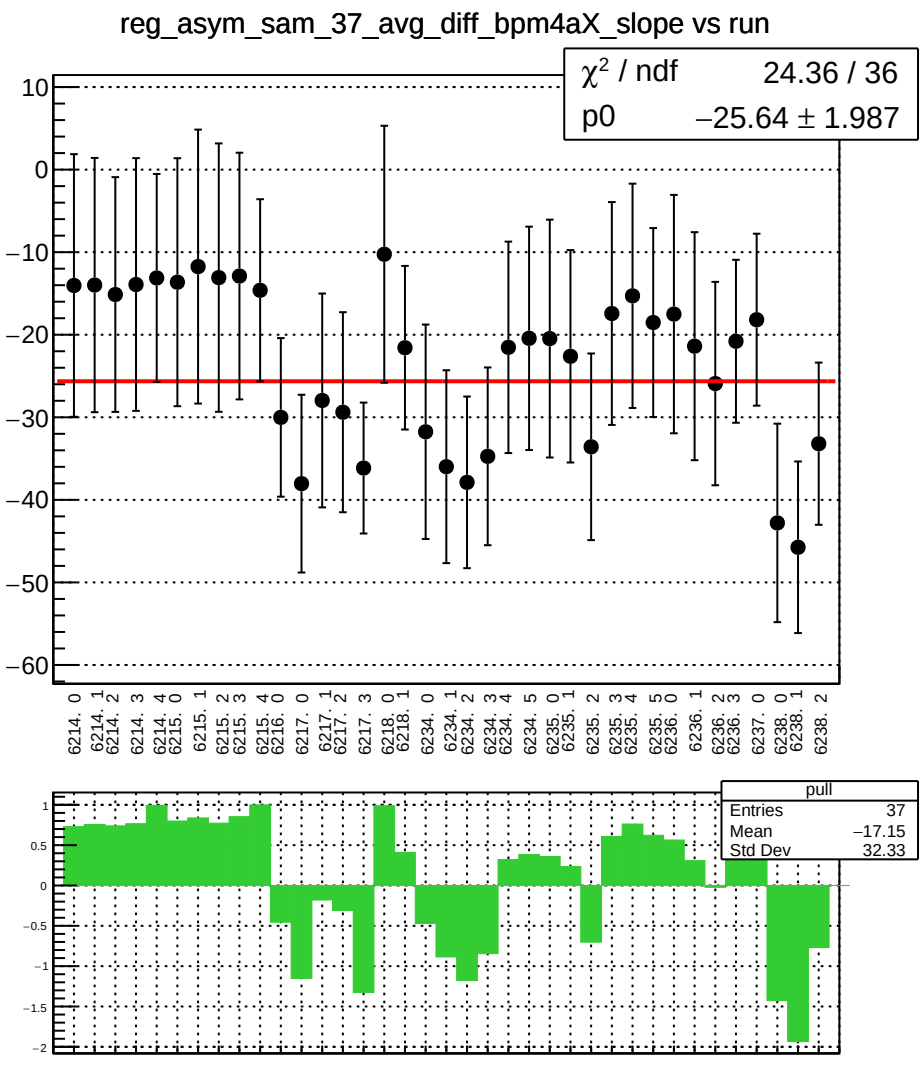

pull1D
Entries 37
Mean −0.009544
Std Dev 0.4122
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

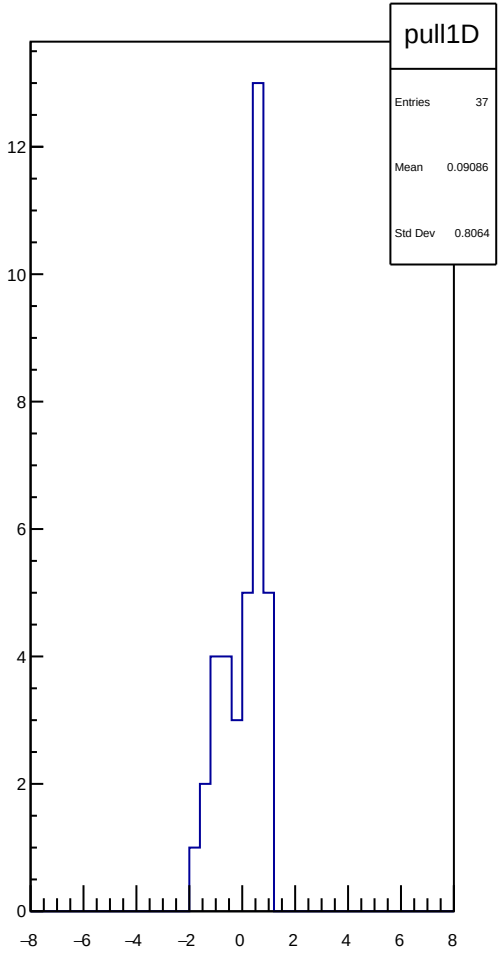

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.35 / 36
p0 −3.421± 1.818
30
20
10
0
−10
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.924
Std Dev 20.29
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean 0.09014
Std Dev 0.6162
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

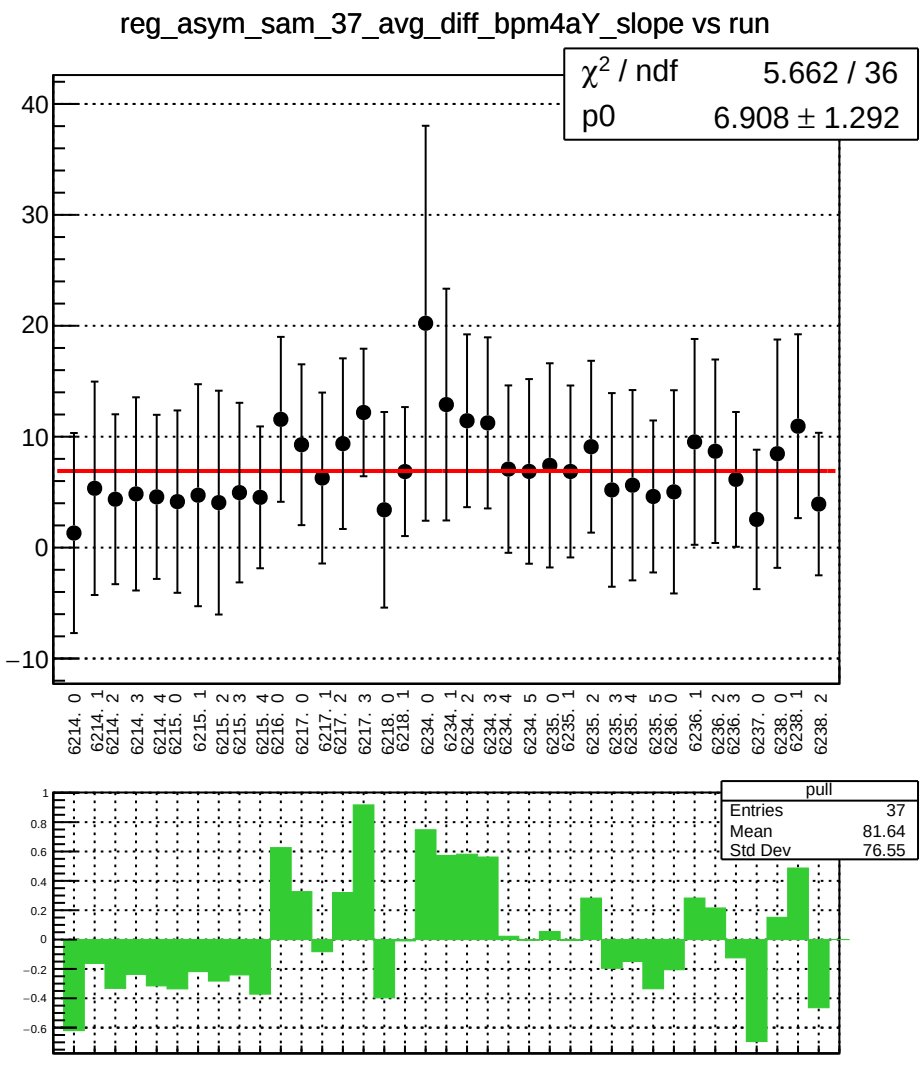

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.572 / 36
p0 −41.68 ± 1.145
pull
Entries 37
Mean 1313
Std Dev 1298
pull1D
Entries 37
Mean 0.001278
Std Dev 0.4214

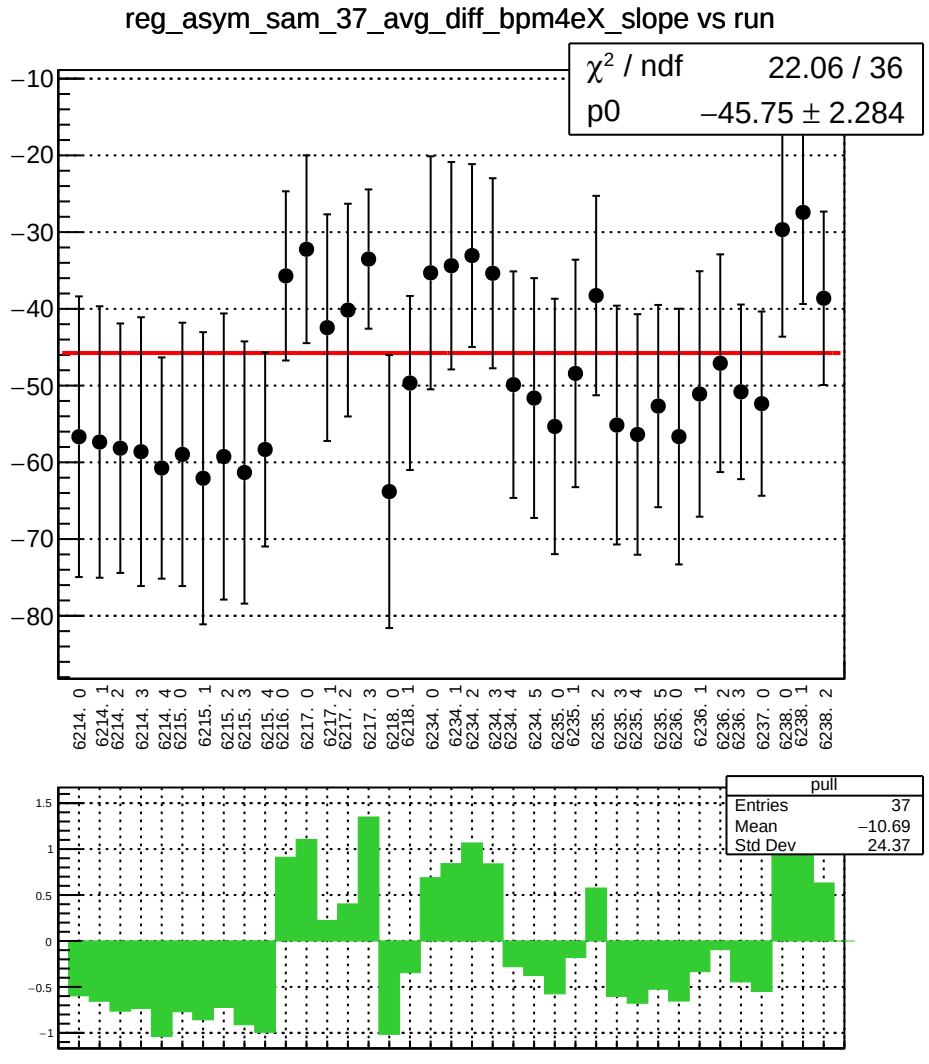

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 4.09 / 36
p0 0.1214 ± 0.08444
pull
Entries 37
Mean −103.6
Std Dev 120.6

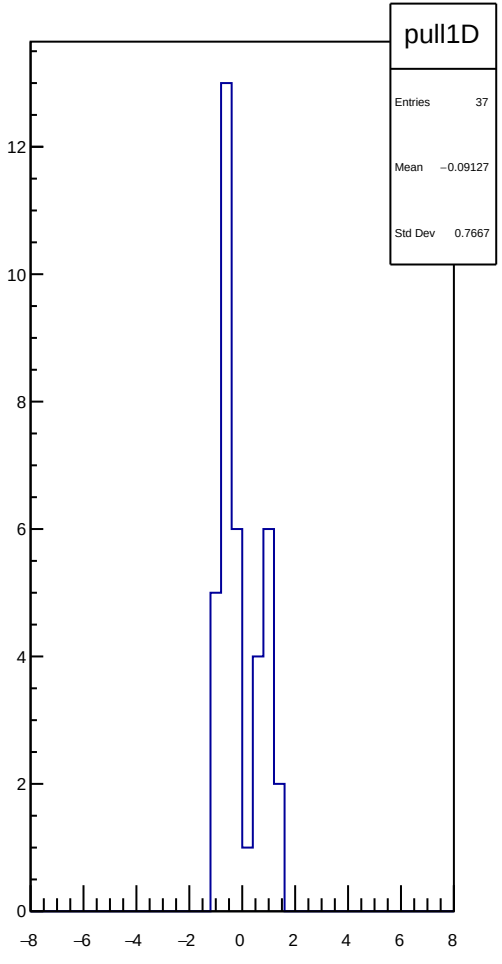

pull1D
Entries 37
Mean −0.01231
Std Dev 0.3322

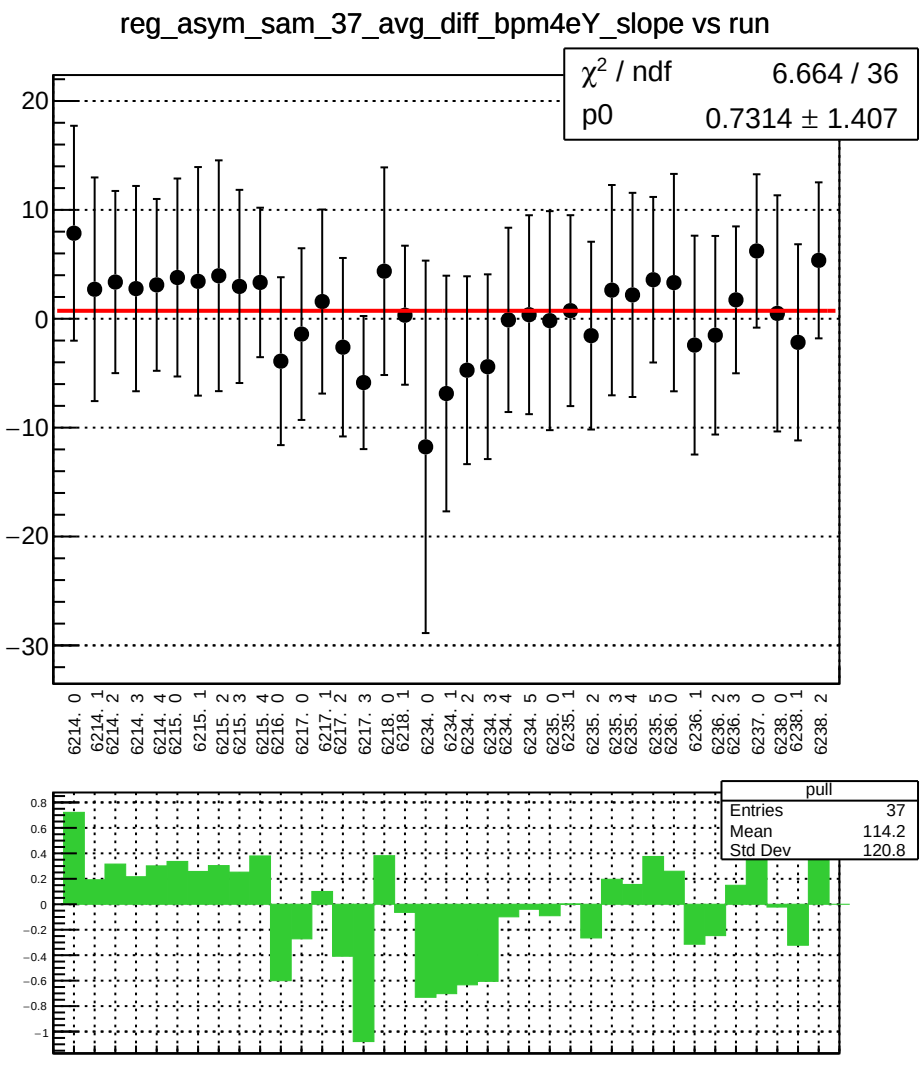

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 24.36 / 36
p0 −25.64 ± 1.987
pull
Entries 37
Mean −17.15
Std Dev 32.33

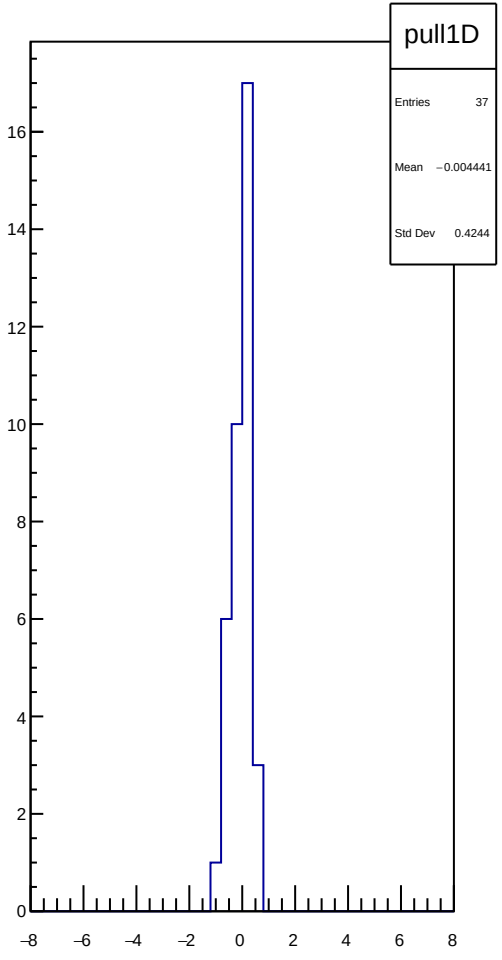

pull1D
Entries 37
Mean 0.09086
Std Dev 0.8064

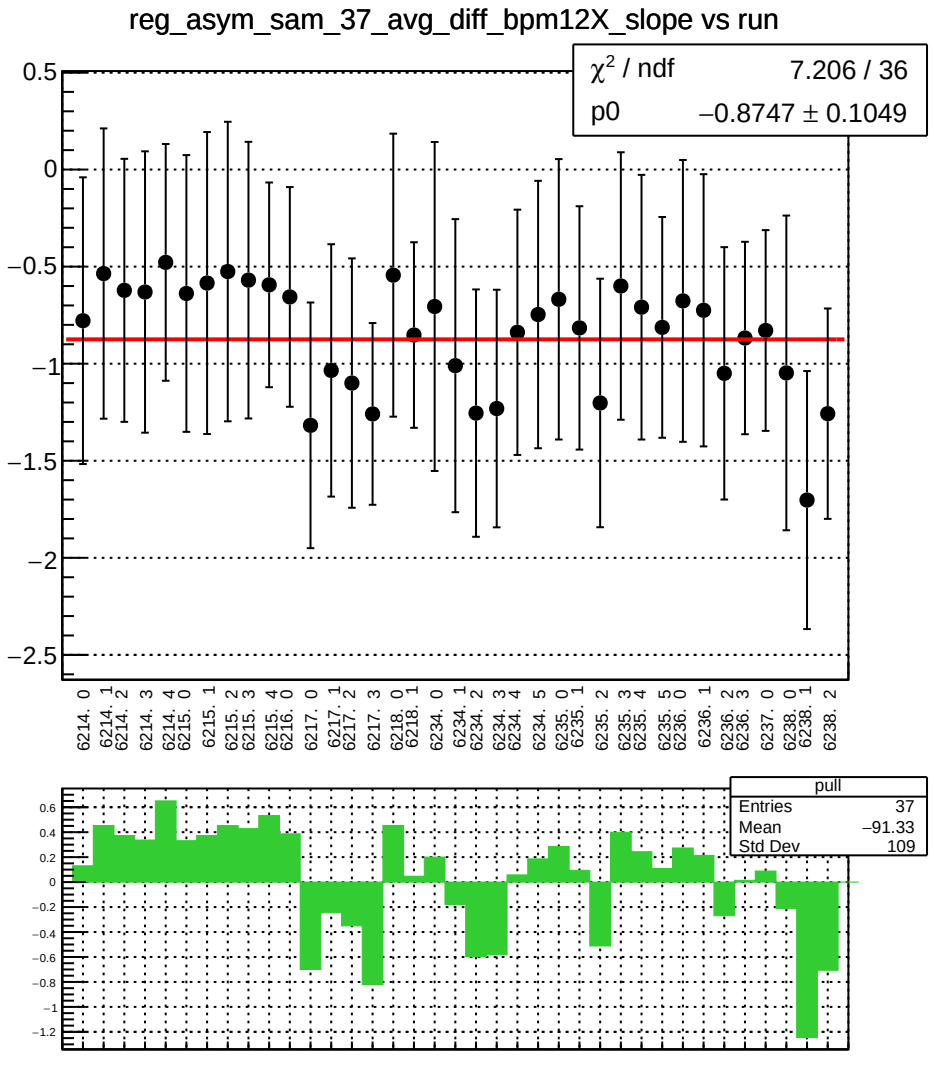

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.662 / 36
p0 6.908 ± 1.292
40
30
20
10
0
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 81.64
Std Dev 76.55
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean 0.009967
Std Dev 0.3911
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

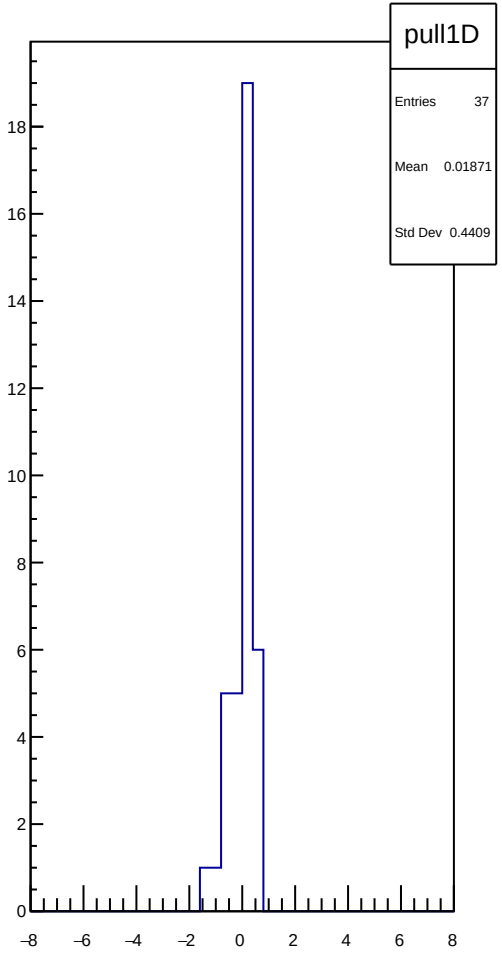

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.06 / 36
p0 −45.75 ± 2.284
pull
Entries 37
Mean −10.69
Std Dev 24.37

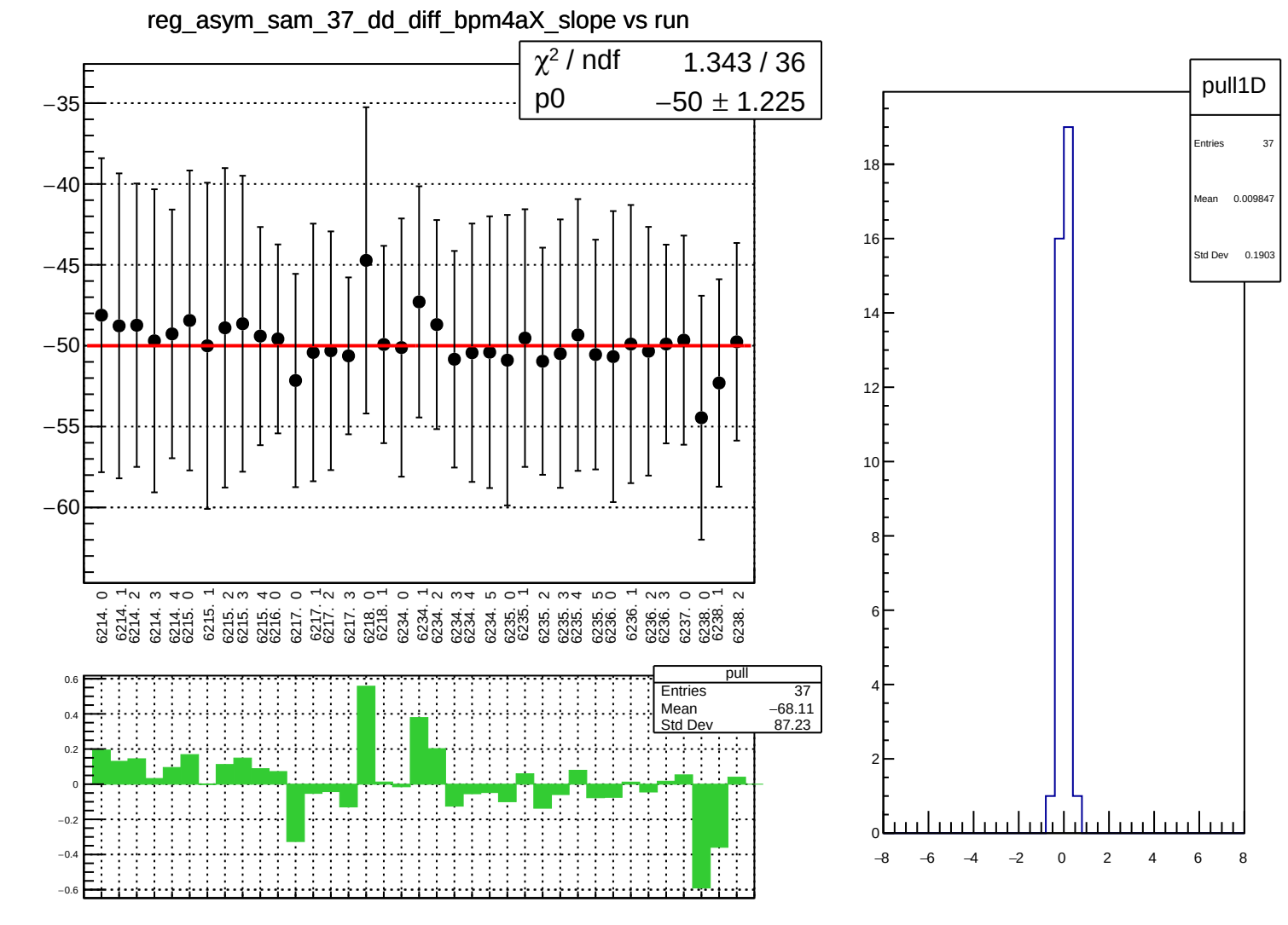

pull1D
Entries 37
Mean −0.09127
Std Dev 0.7667

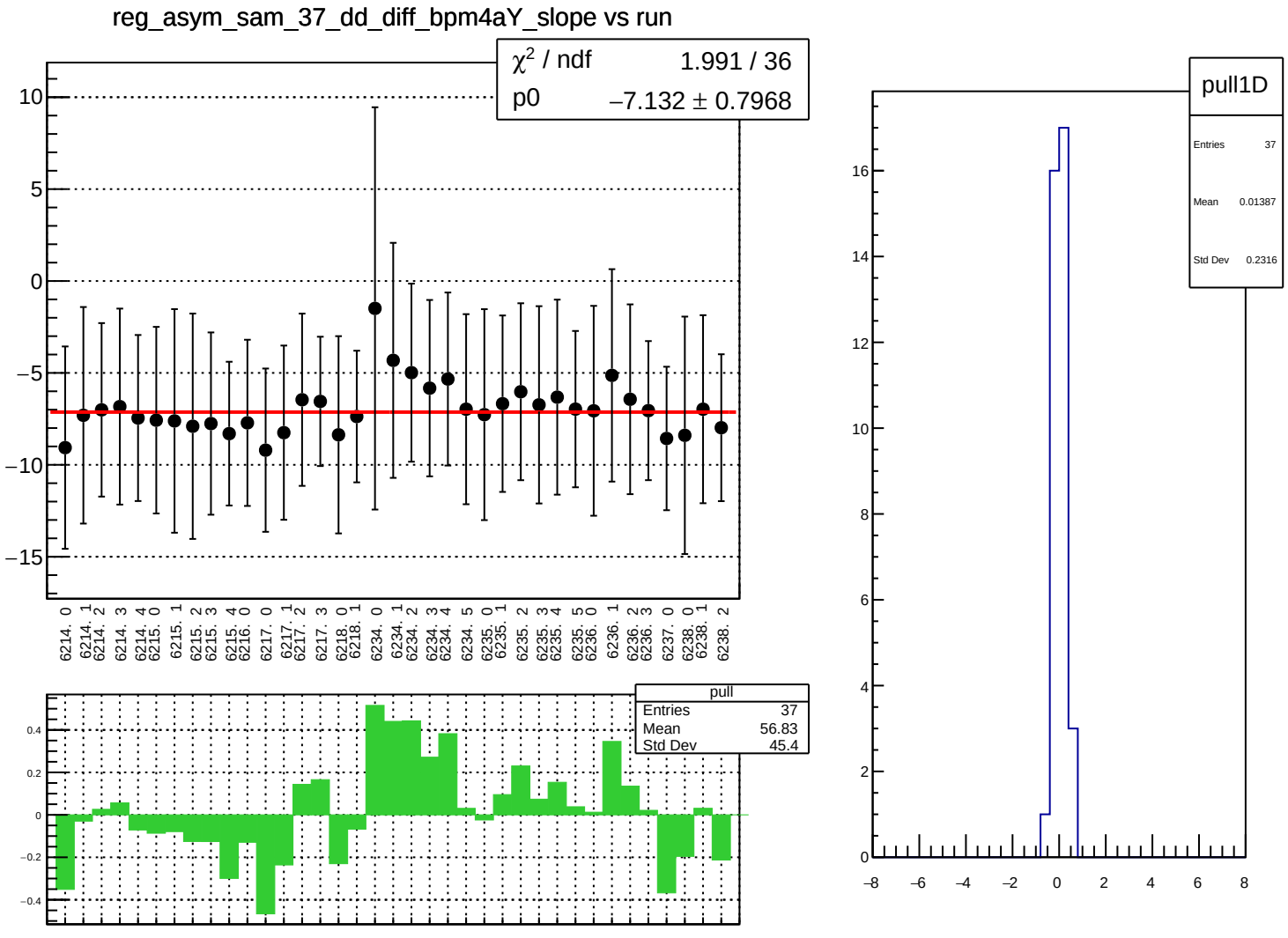

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.664 / 36
p0 0.7314 ± 1.407
20
10
0
−10
−20
−30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 114.2
Std Dev 120.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

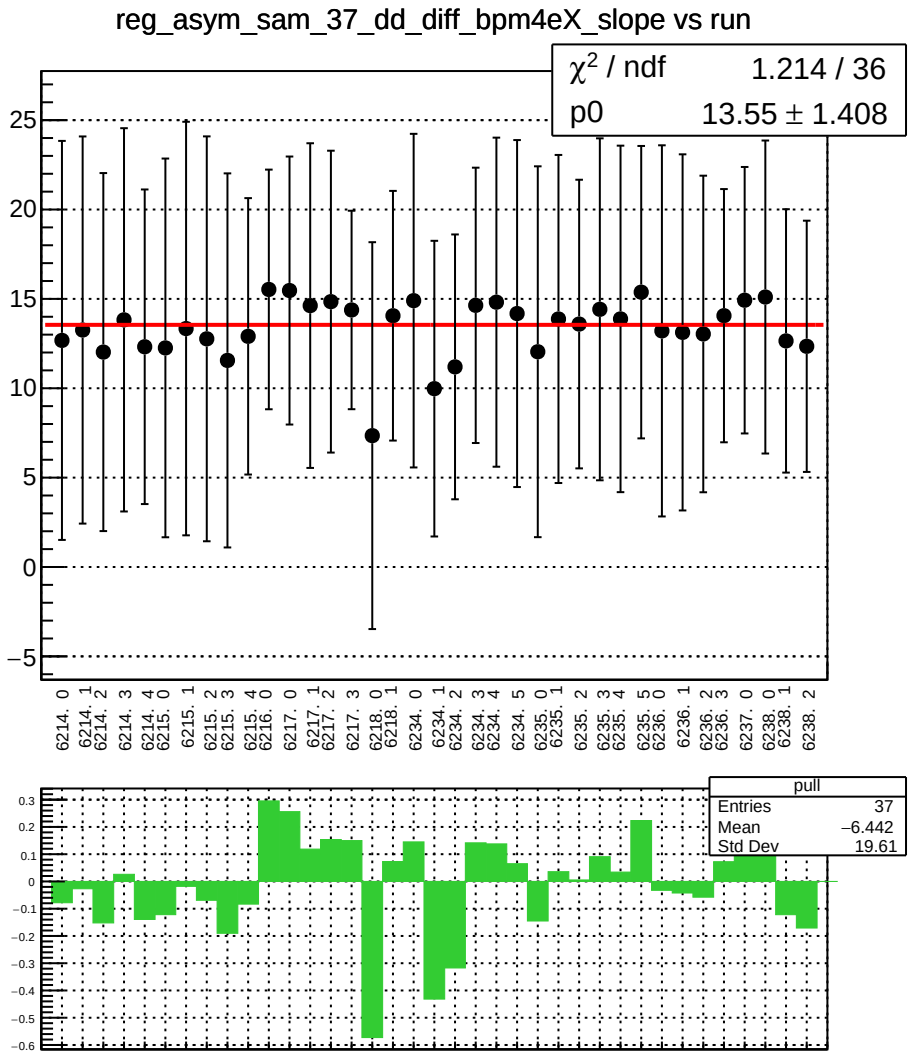

pull1D
Entries 37
Mean −0.004441
Std Dev 0.4244
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

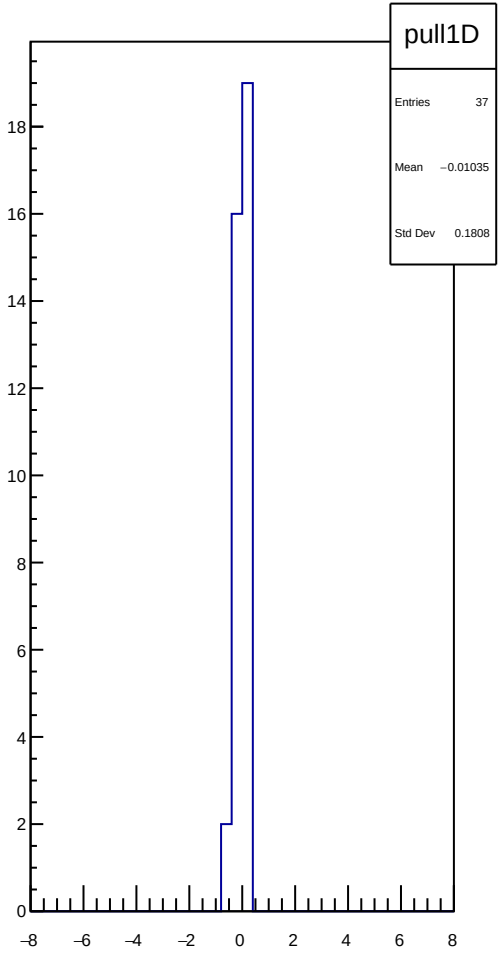

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 7.206 / 36
p0 −0.8747 ± 0.1049
pull
Entries 37
Mean −91.33
Std Dev 109

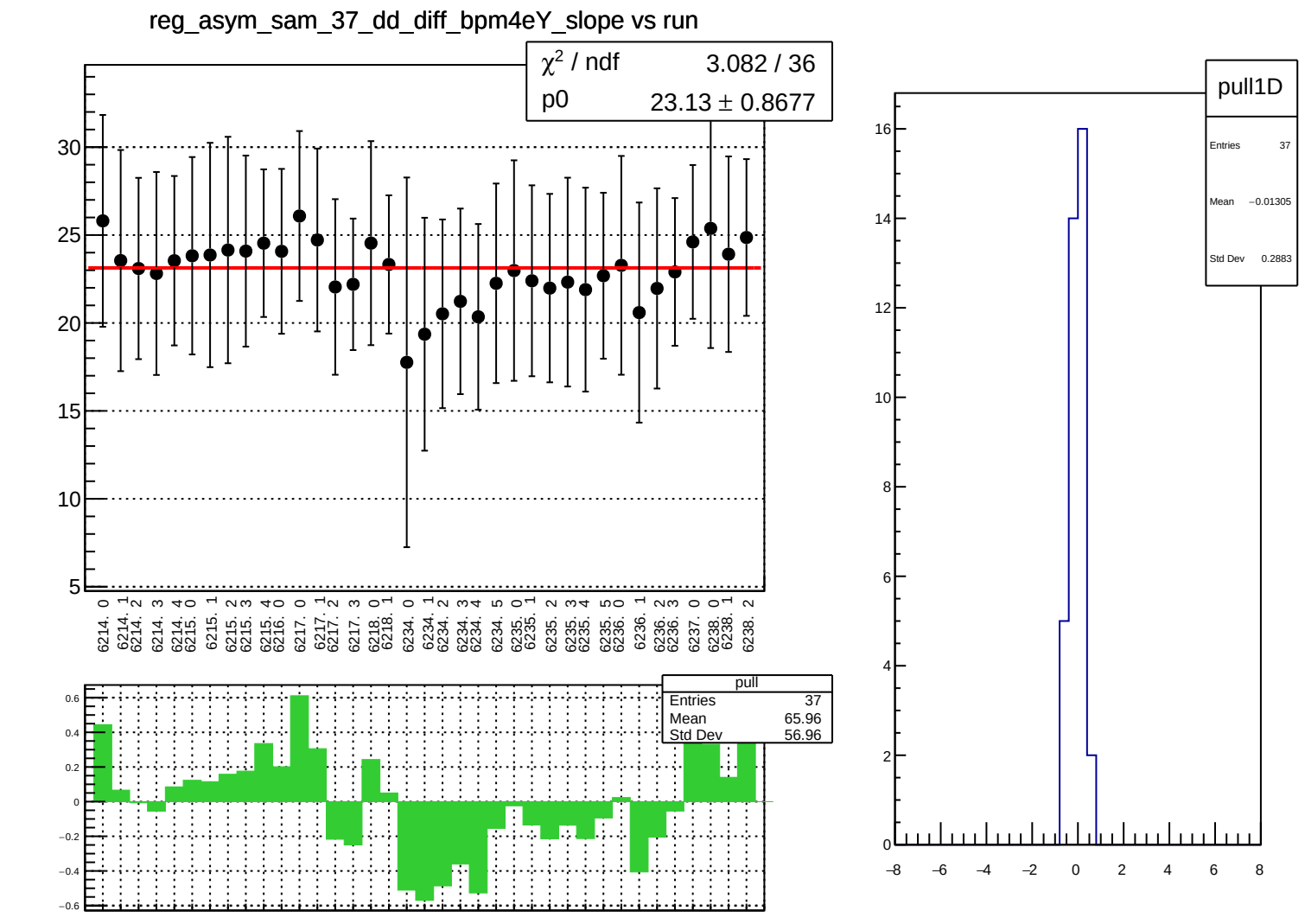

pull1D
Entries 37
Mean 0.01871
Std Dev 0.4409

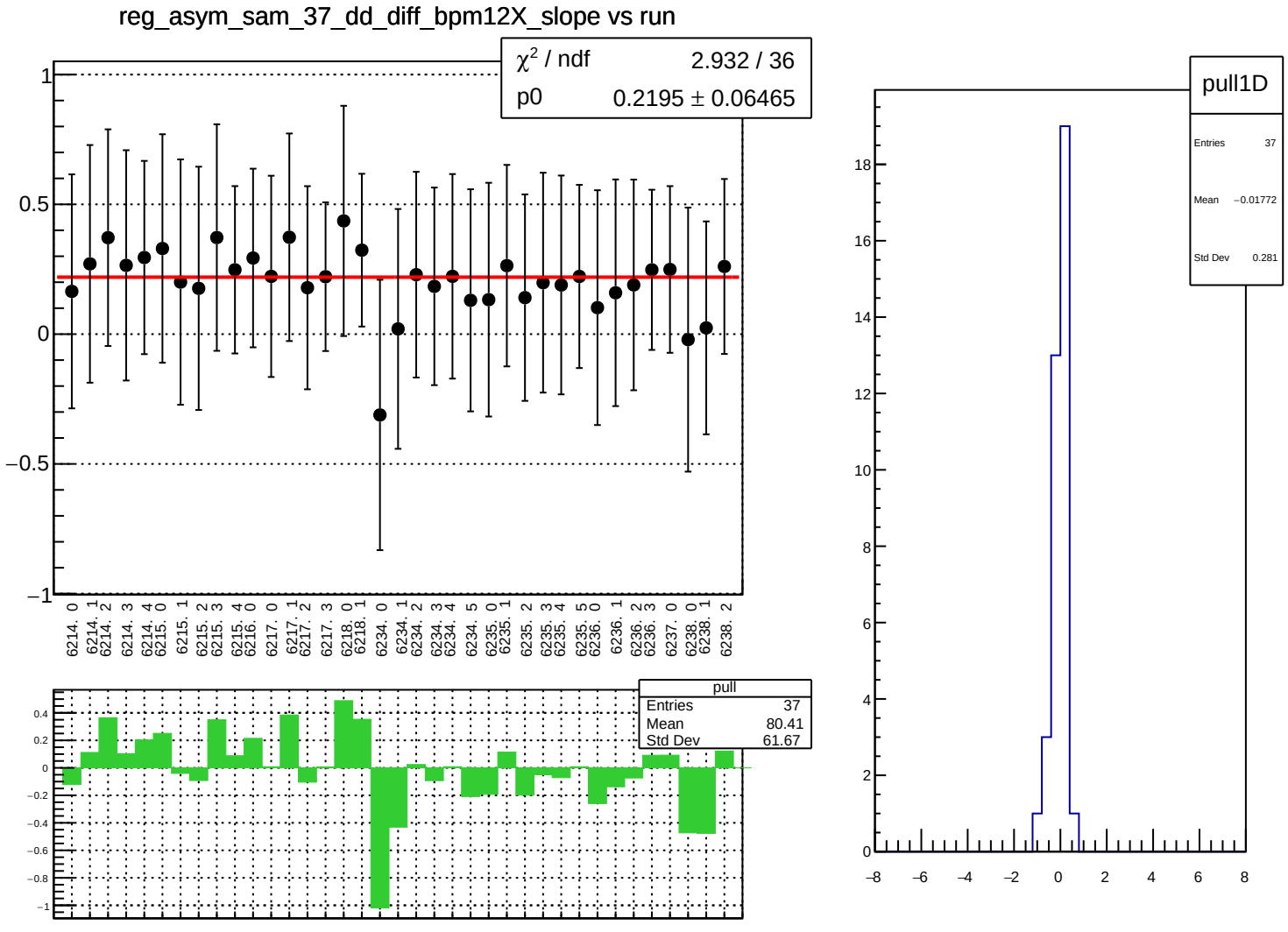

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.343 / 36
p0 −50 ± 1.225
−35
−40
−45
−50
−55
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −68.11
Std Dev 87.23
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean 0.009847
Std Dev 0.1903
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

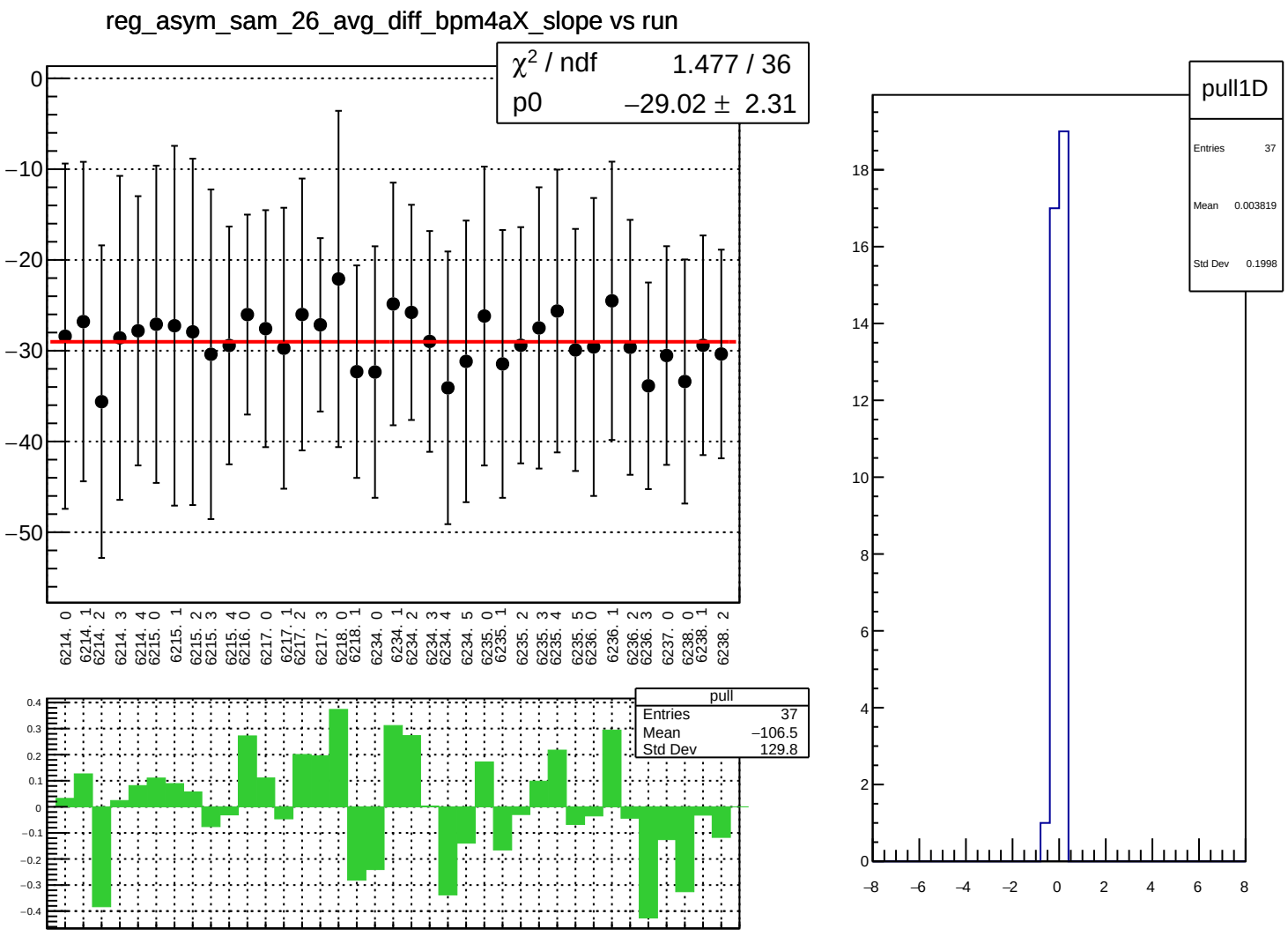

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.991 / 36
p0 −7.132 ± 0.7968
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 56.83
Std Dev 45.4
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean 0.01387
Std Dev 0.2316
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

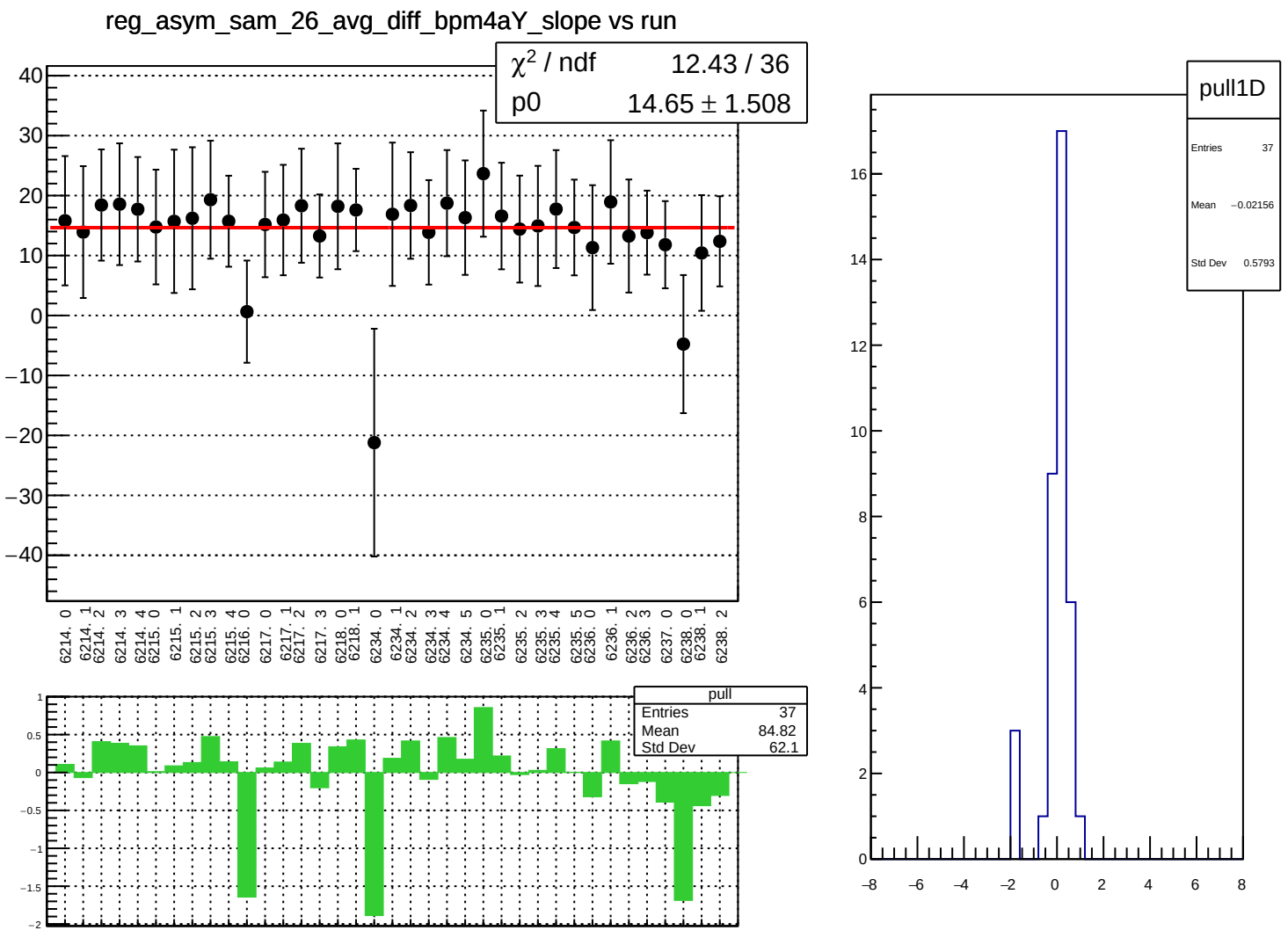

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.214 / 36
p0 13.55 ± 1.408
pull
Entries 37
Mean −6.442
Std Dev 19.61

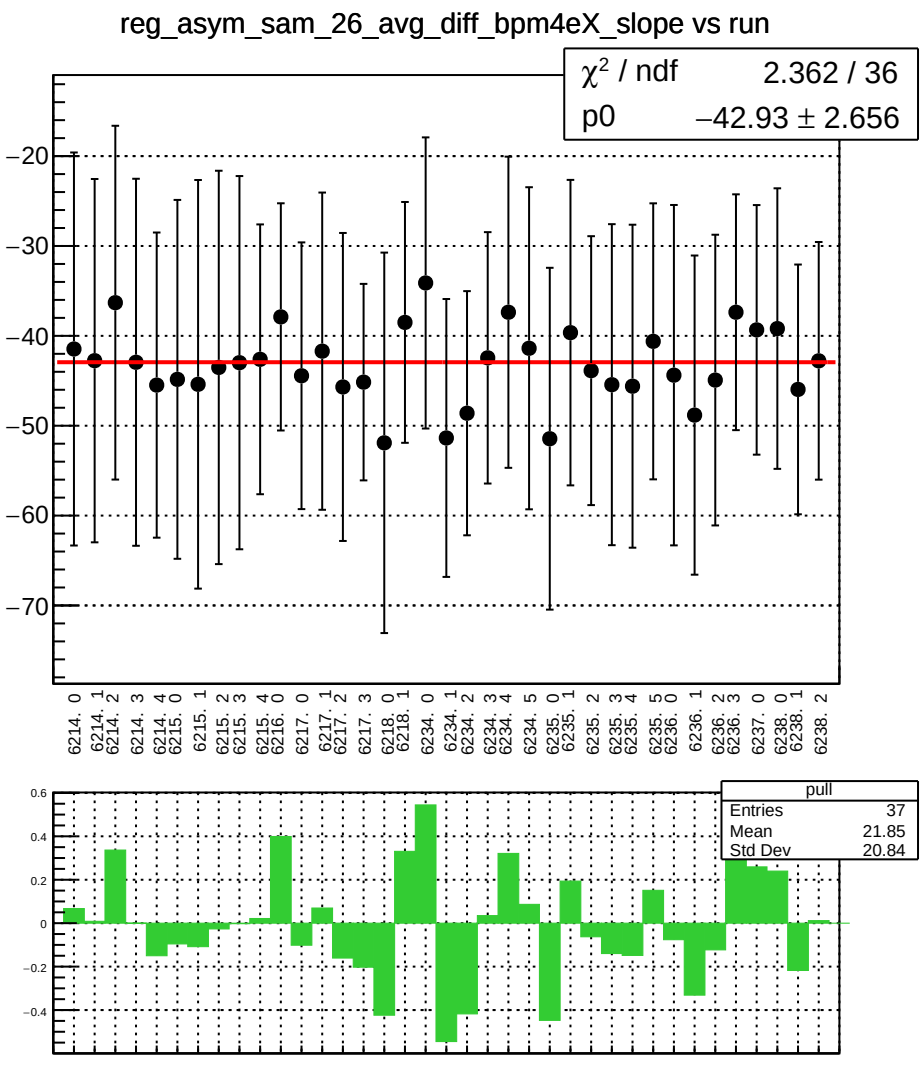

pull1D
Entries 37
Mean −0.01035
Std Dev 0.1808

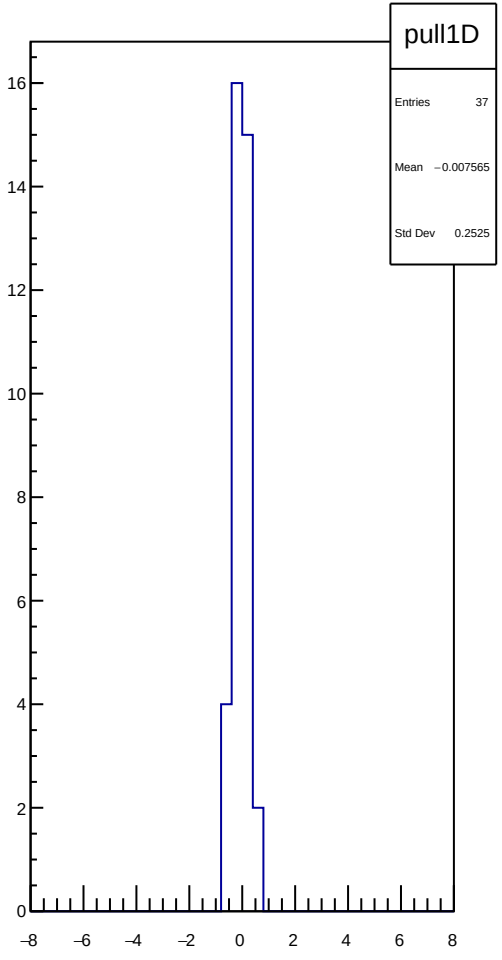

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.082 / 36
p0 23.13 ± 0.8677
pull
Entries 37
Mean 65.96
Std Dev 56.96
pull1D
Entries 37
Mean −0.01305
Std Dev 0.2883

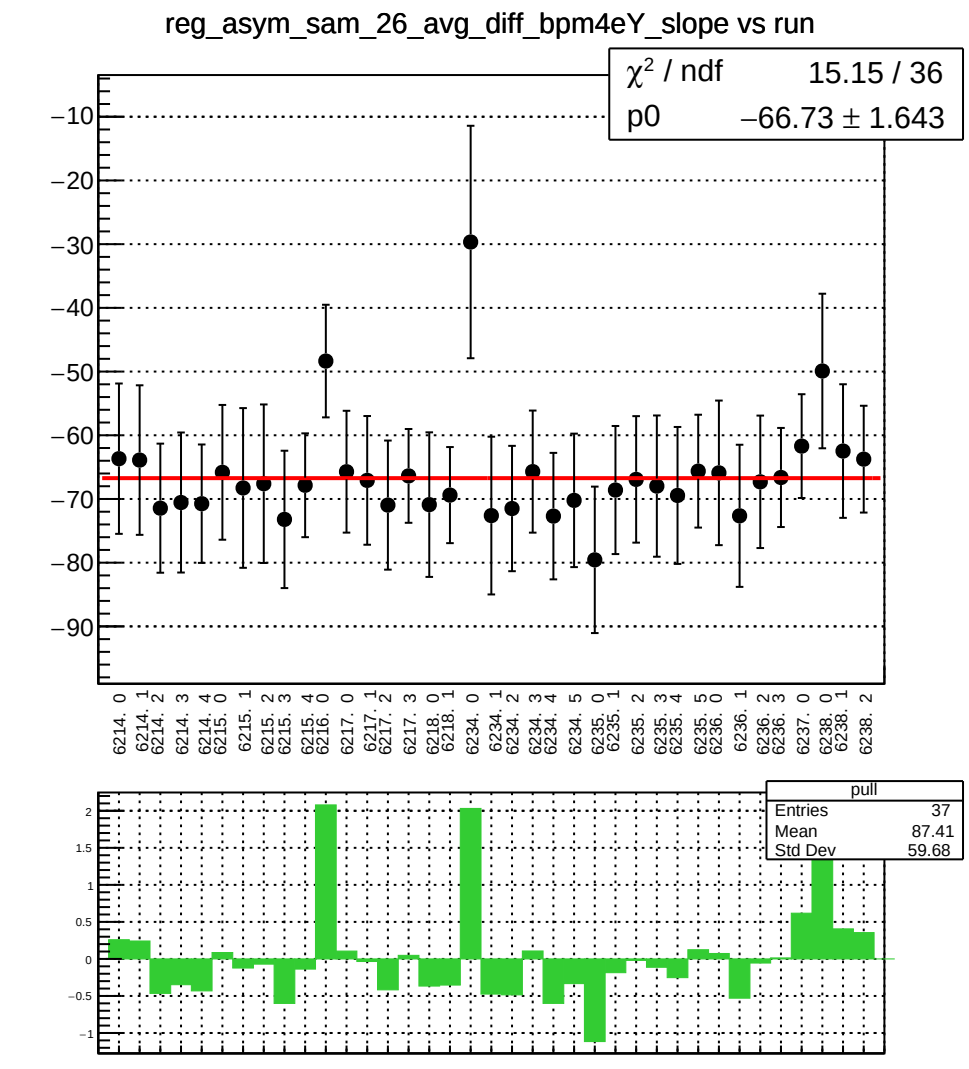

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.932 / 36
p0 0.2195 ± 0.06465
1
0.5
0
−0.5
−1
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 80.41
Std Dev 61.67
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean −0.01772
Std Dev 0.281
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

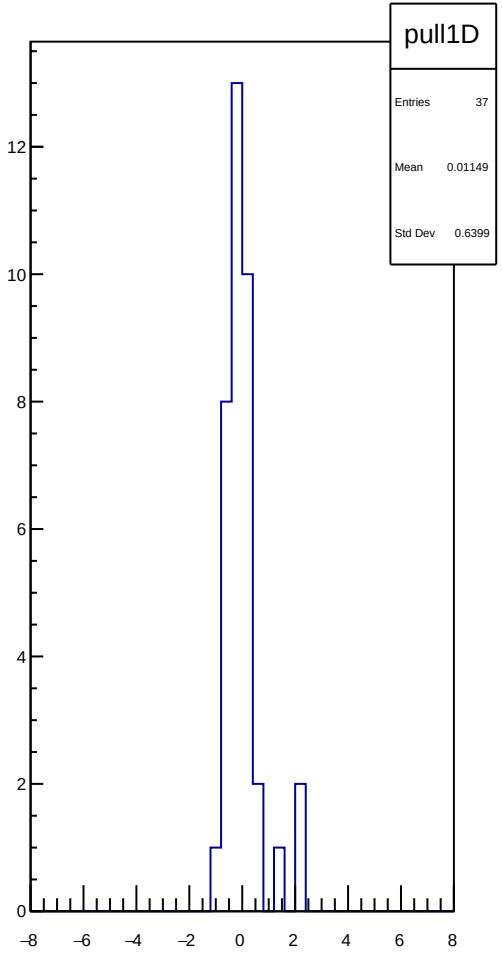

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.477 / 36
p0 −29.02 ± 2.31
0
−10
−20
−30
−40
−50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −106.5
Std Dev 129.8
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 37
Mean 0.003819
Std Dev 0.1998
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

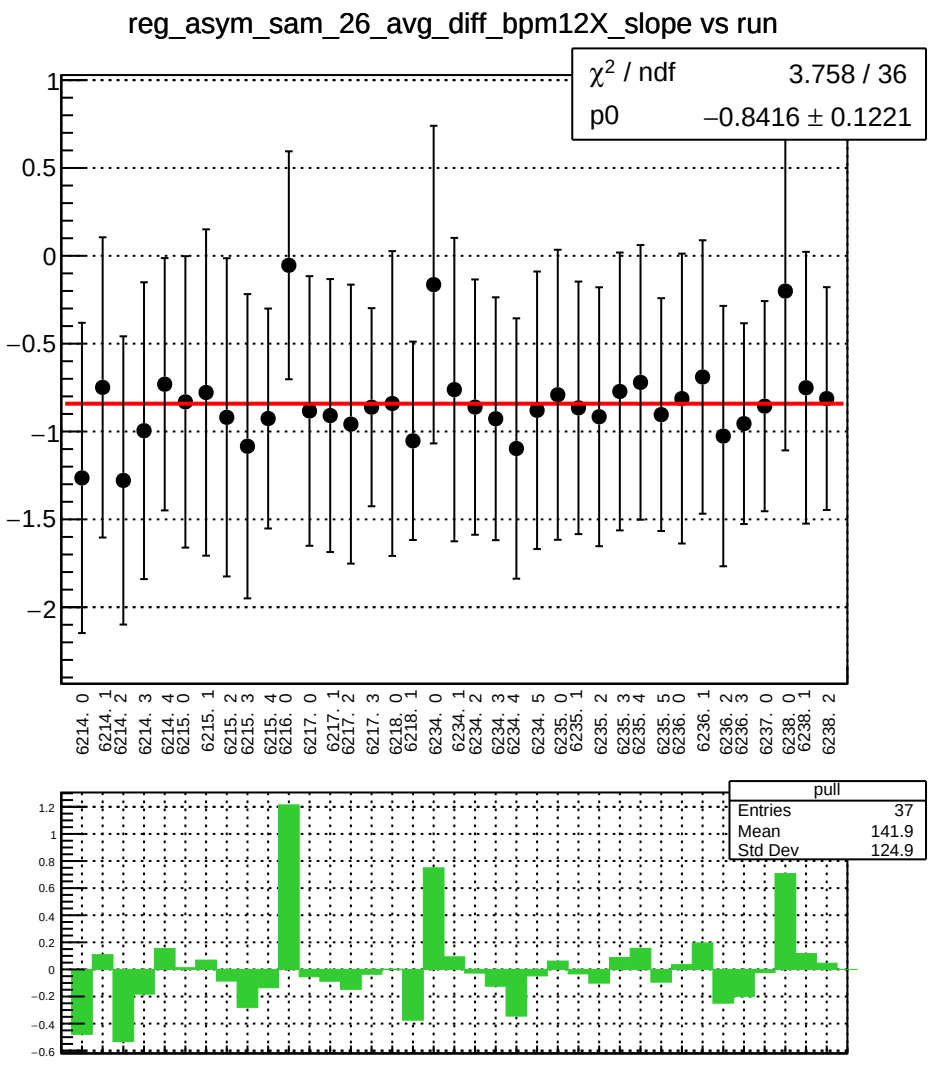

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.43 / 36
p0 14.65 ± 1.508
pull
Entries 37
Mean 84.82
Std Dev 62.1
pull1D
Entries 37
Mean −0.02156
Std Dev 0.5793

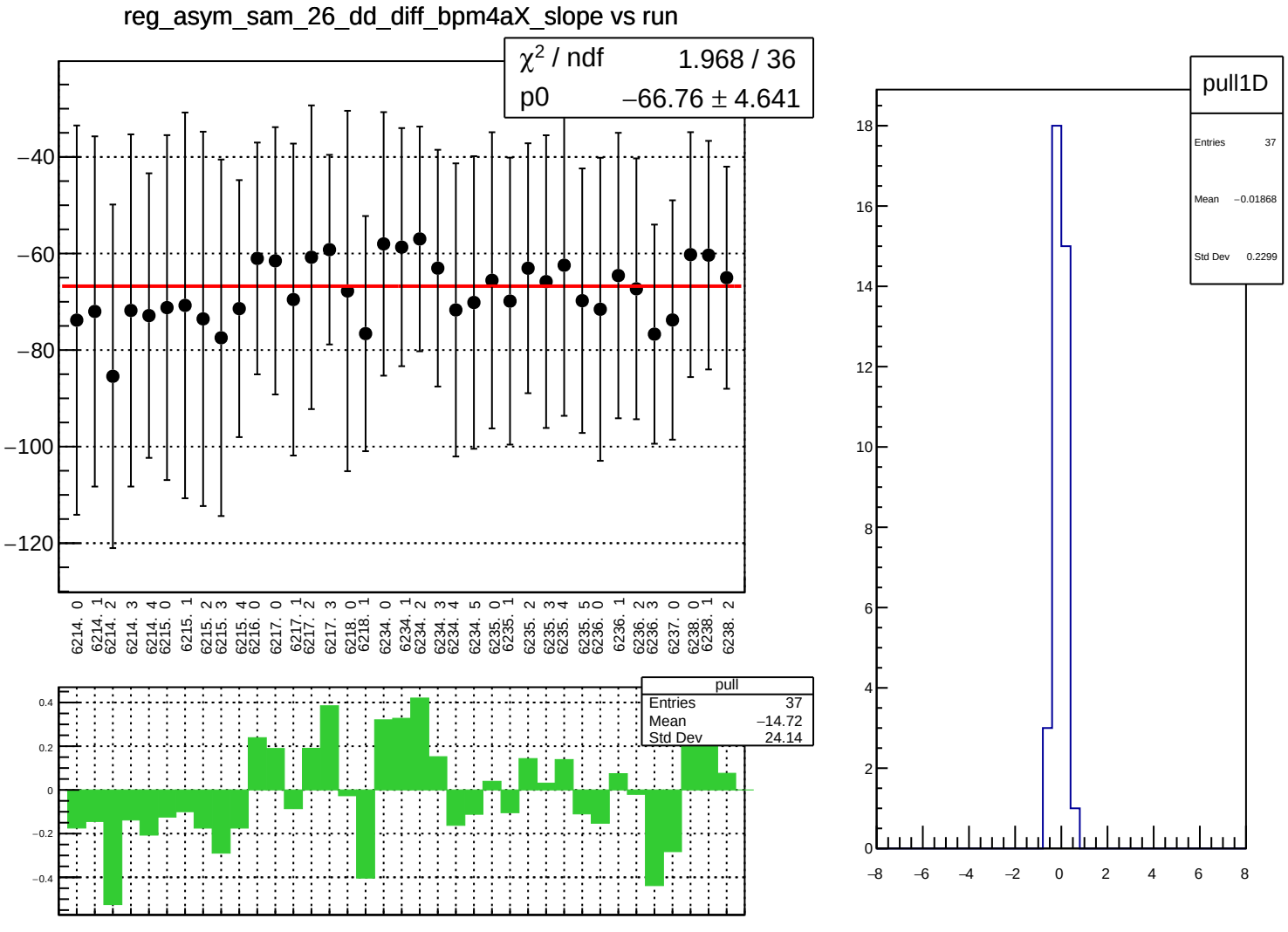

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.362 / 36
p0 −42.93 ± 2.656
−20
−30
−40
−50
−60
−70
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 21.85
Std Dev 20.84
0.6
0.4
0.2
0
−0.2
−0.4

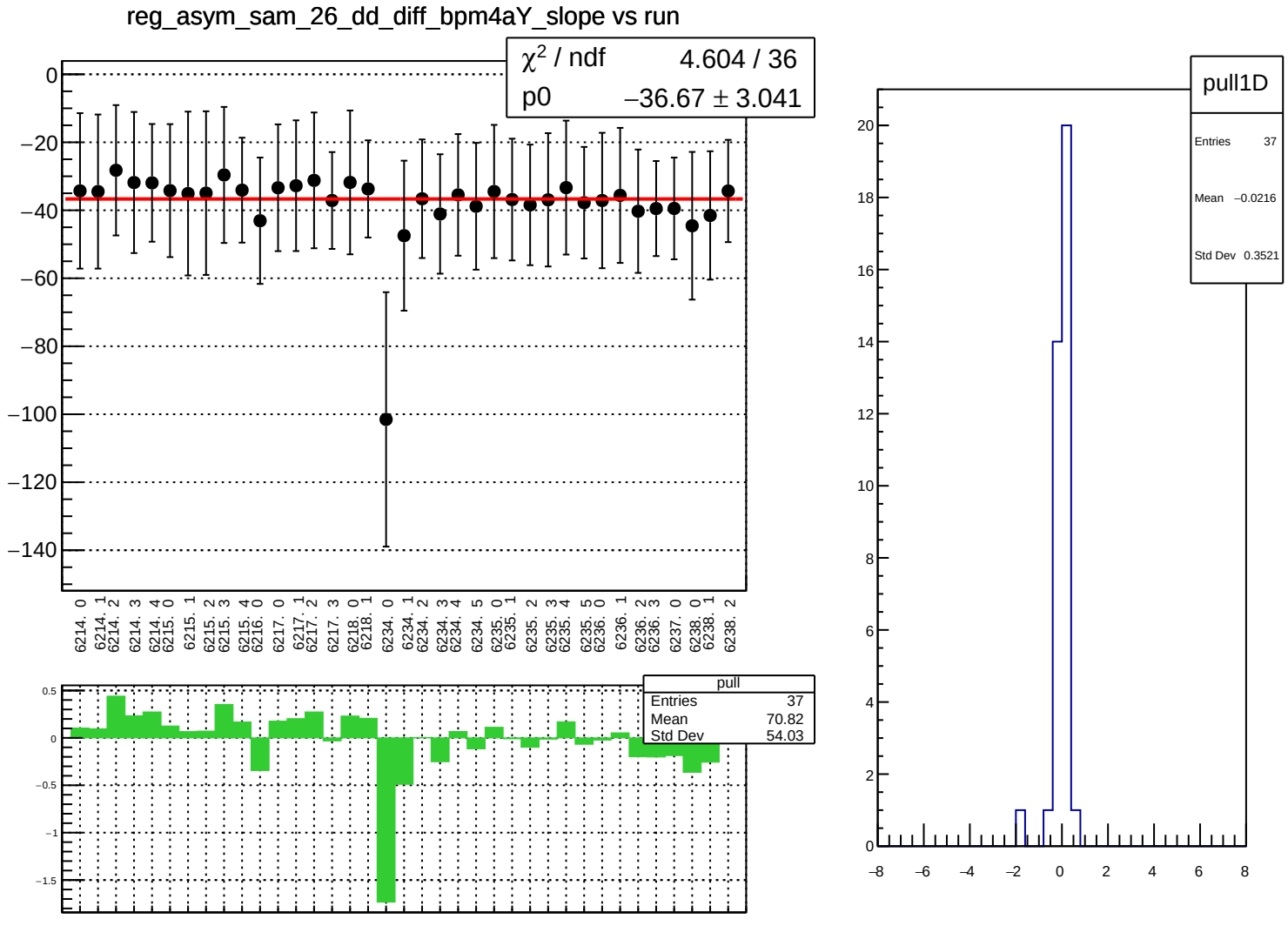

pull1D
Entries 37
Mean −0.007565
Std Dev 0.2525
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

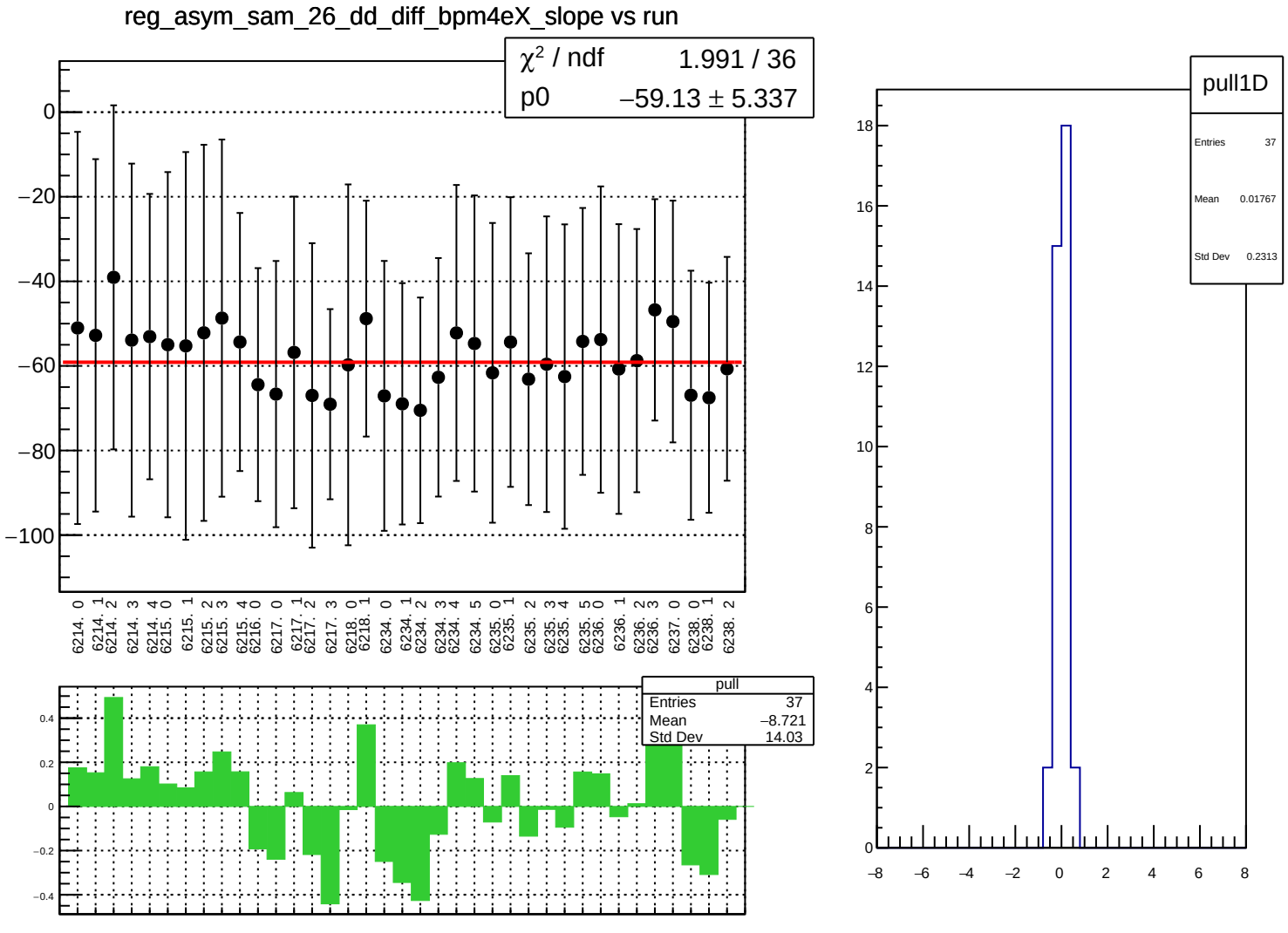

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.15 / 36
p0 −66.73 ± 1.643
pull
Entries 37
Mean 87.41
Std Dev 59.68

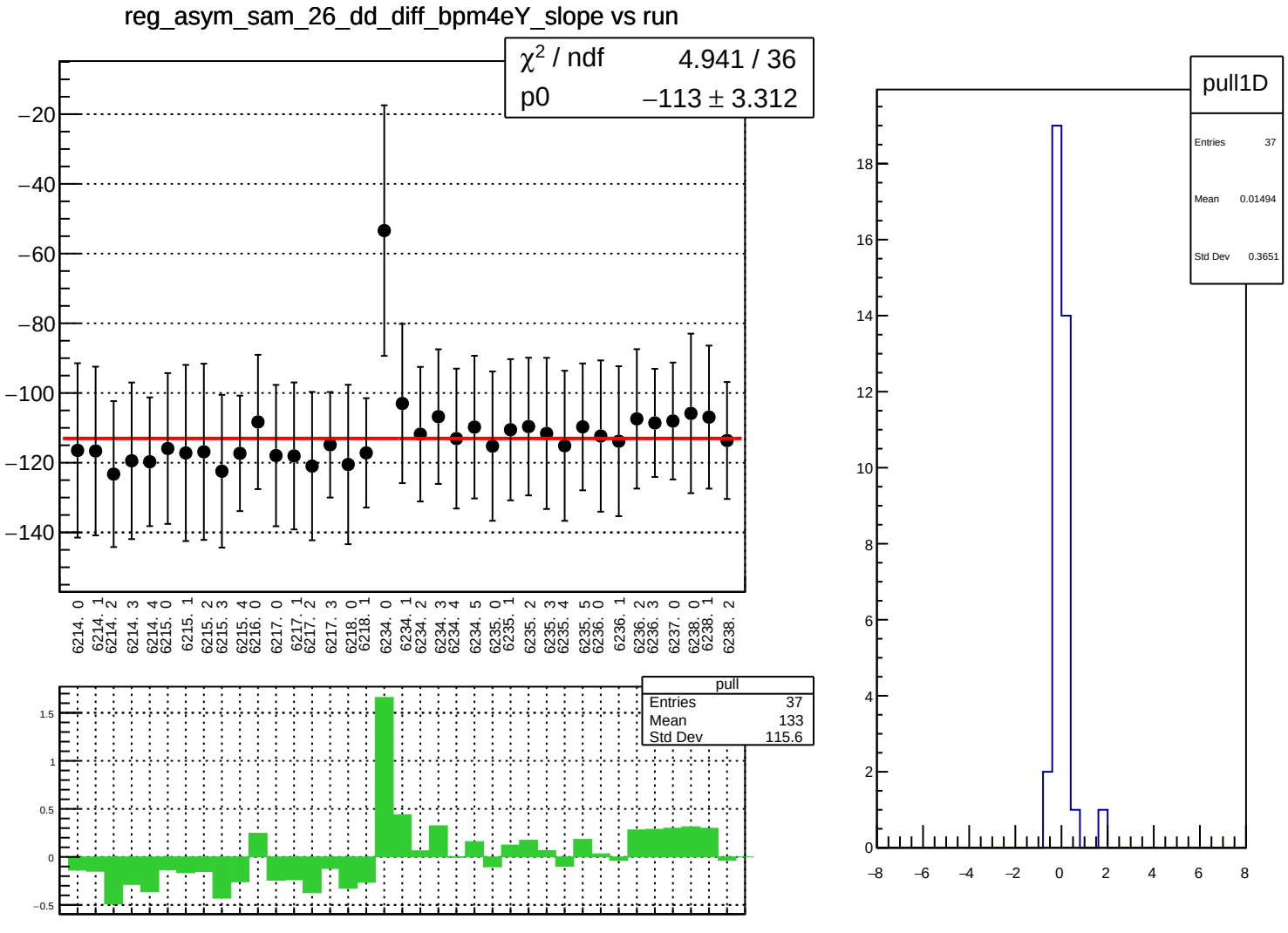

pull1D
Entries 37
Mean 0.01149
Std Dev 0.6399

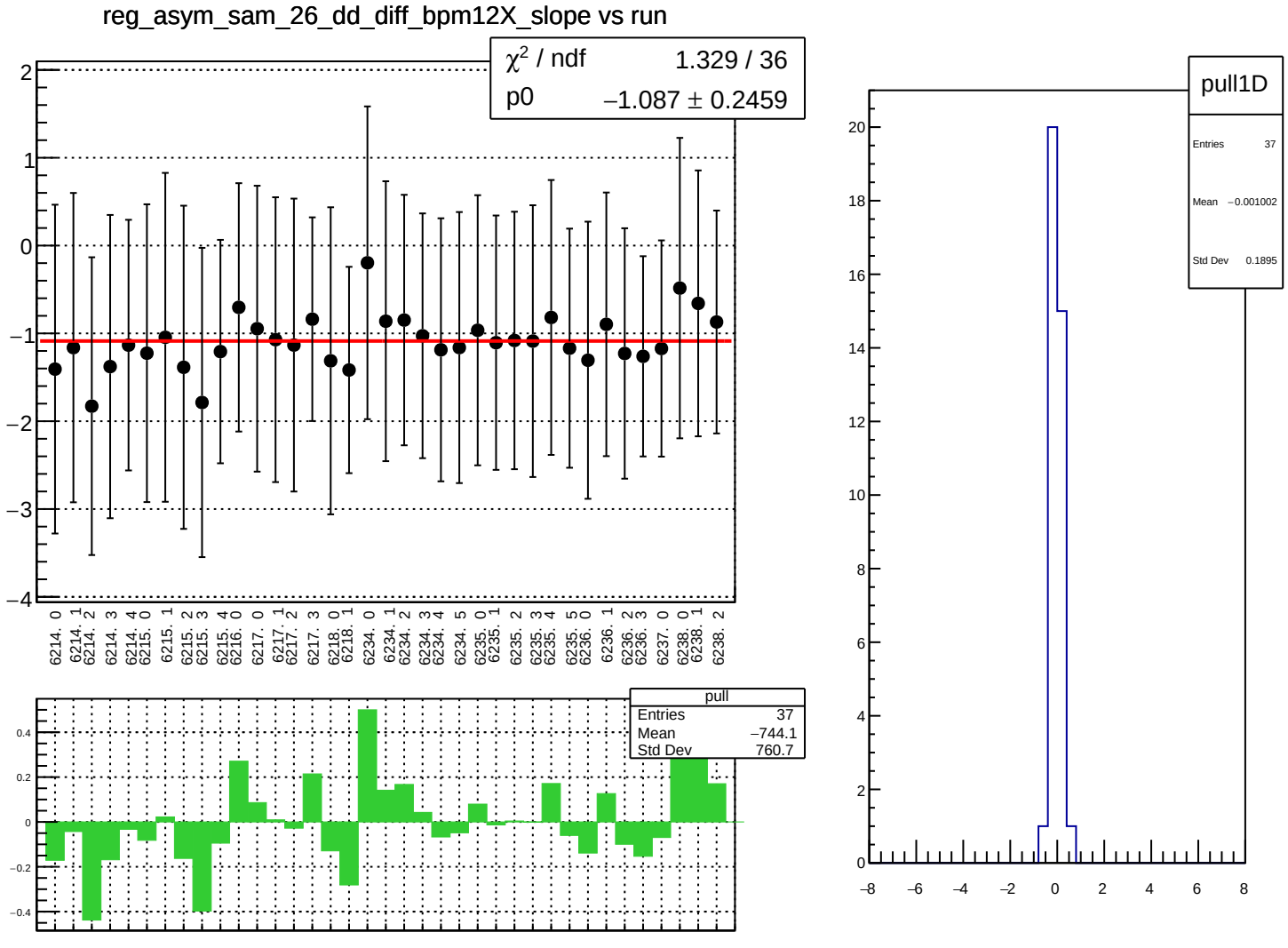

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 3.758 / 36
p0 −0.8416 ± 0.1221
pull
Entries 37
Mean 141.9
Std Dev 124.9
pull1D
Entries 37
Mean 0.004699
Std Dev 0.3187

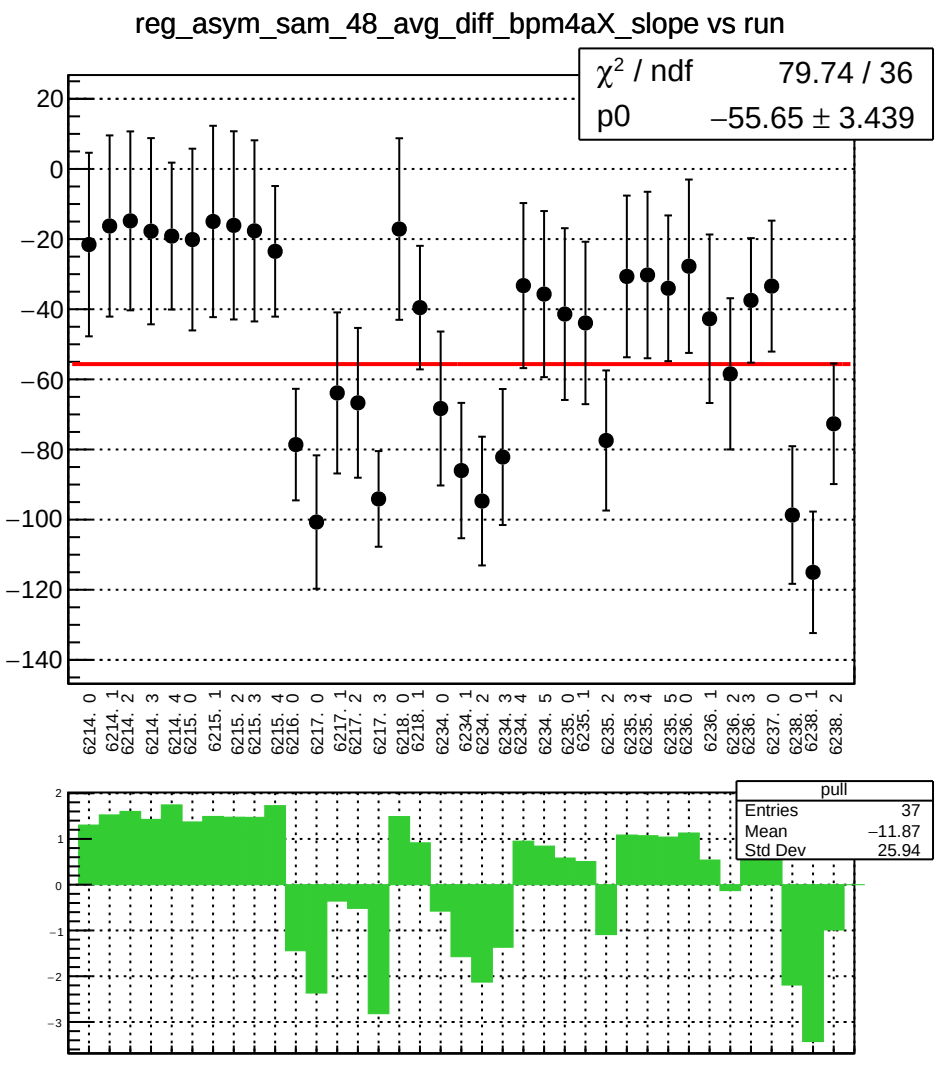

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.968 / 36
p0 −66.76 ± 4.641
−40
−60
−80
−100
−120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −14.72
Std Dev 24.14
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.01868
Std Dev 0.2299
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

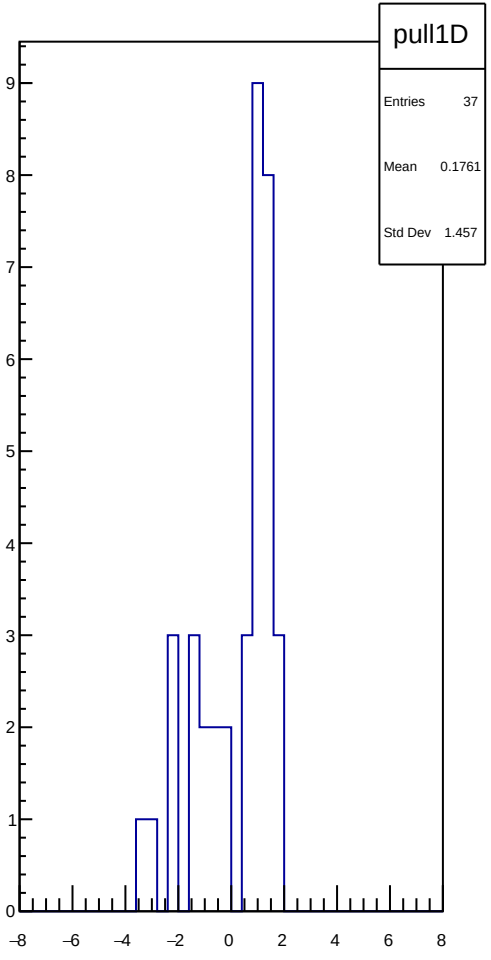

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.604 / 36
p0 −36.67 ± 3.041
0
−20
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 70.82
Std Dev 54.03
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.0216
Std Dev 0.3521
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

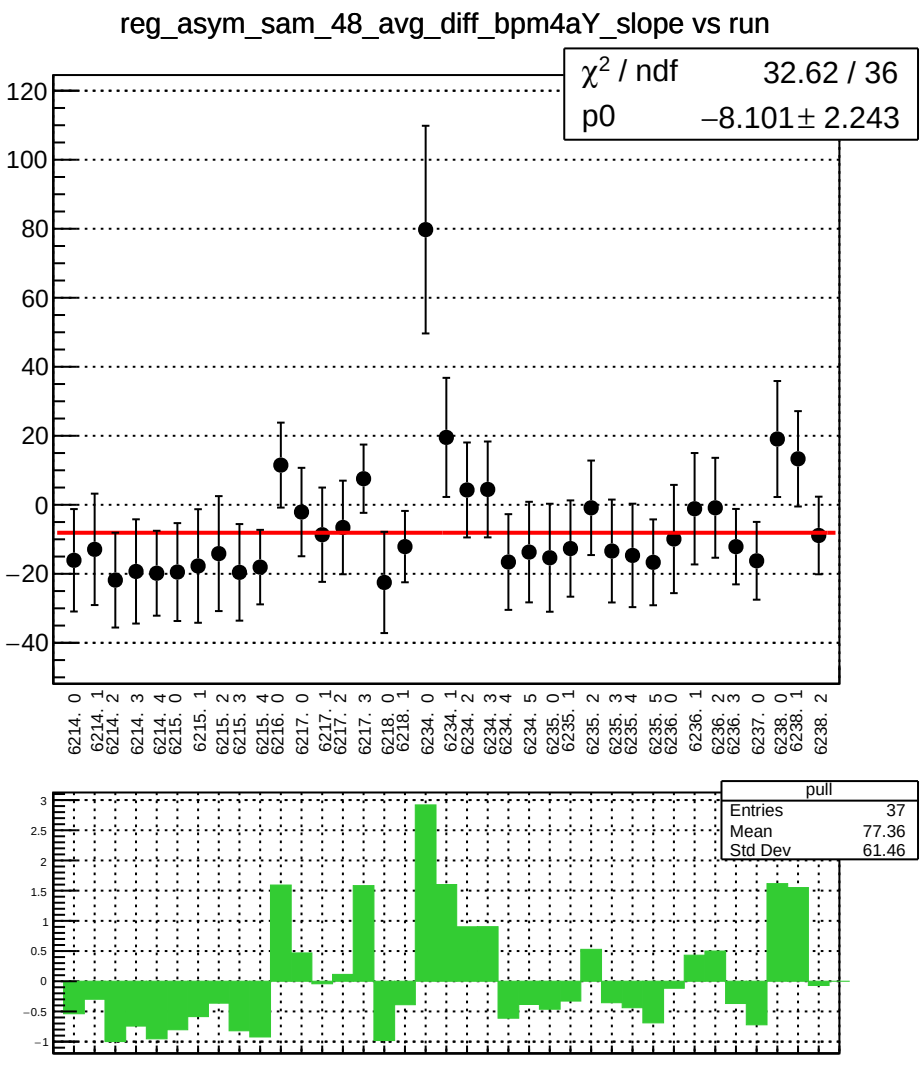

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.991 / 36
p0 −59.13 ± 5.337
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.721
Std Dev 14.03
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean 0.01767
Std Dev 0.2313
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

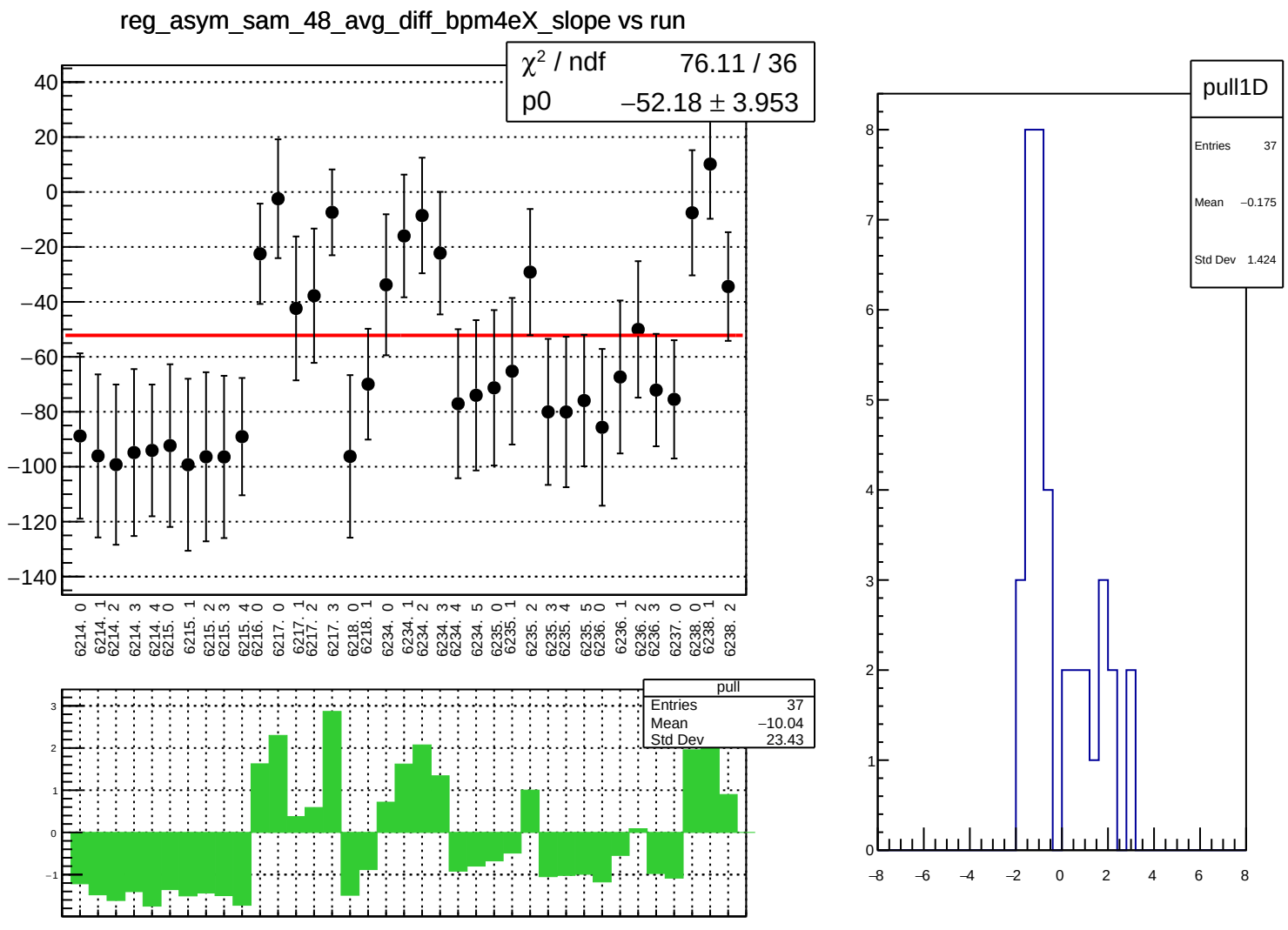

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.941 / 36
p0 −113 ± 3.312
−20
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 133
Std Dev 115.6
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean 0.01494
Std Dev 0.3651
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

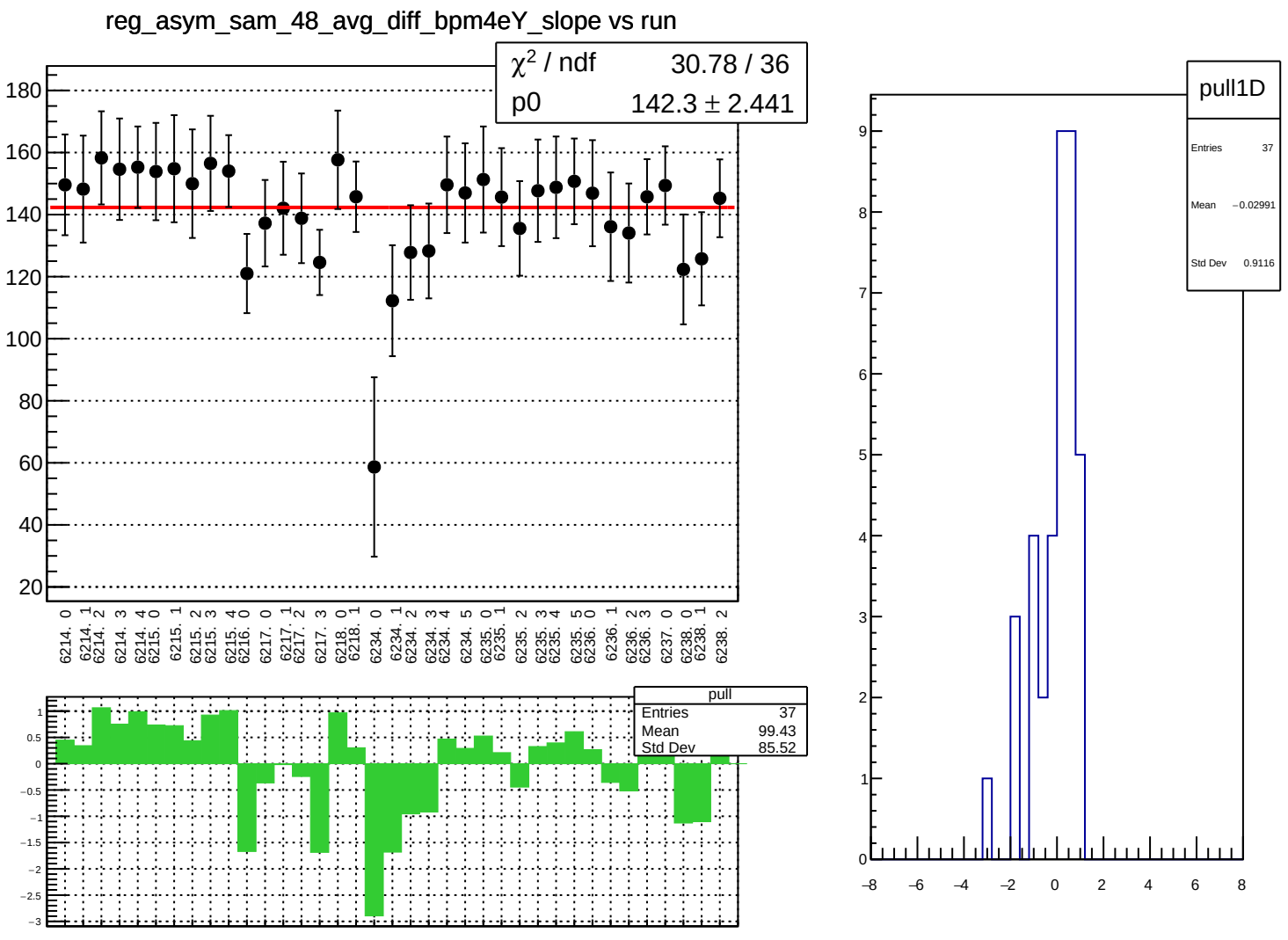

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.329 / 36
p0 −1.087 ± 0.2459
pull
Entries 37
Mean −744.1
Std Dev 760.7
pull1D
Entries 37
Mean −0.001002
Std Dev 0.1895

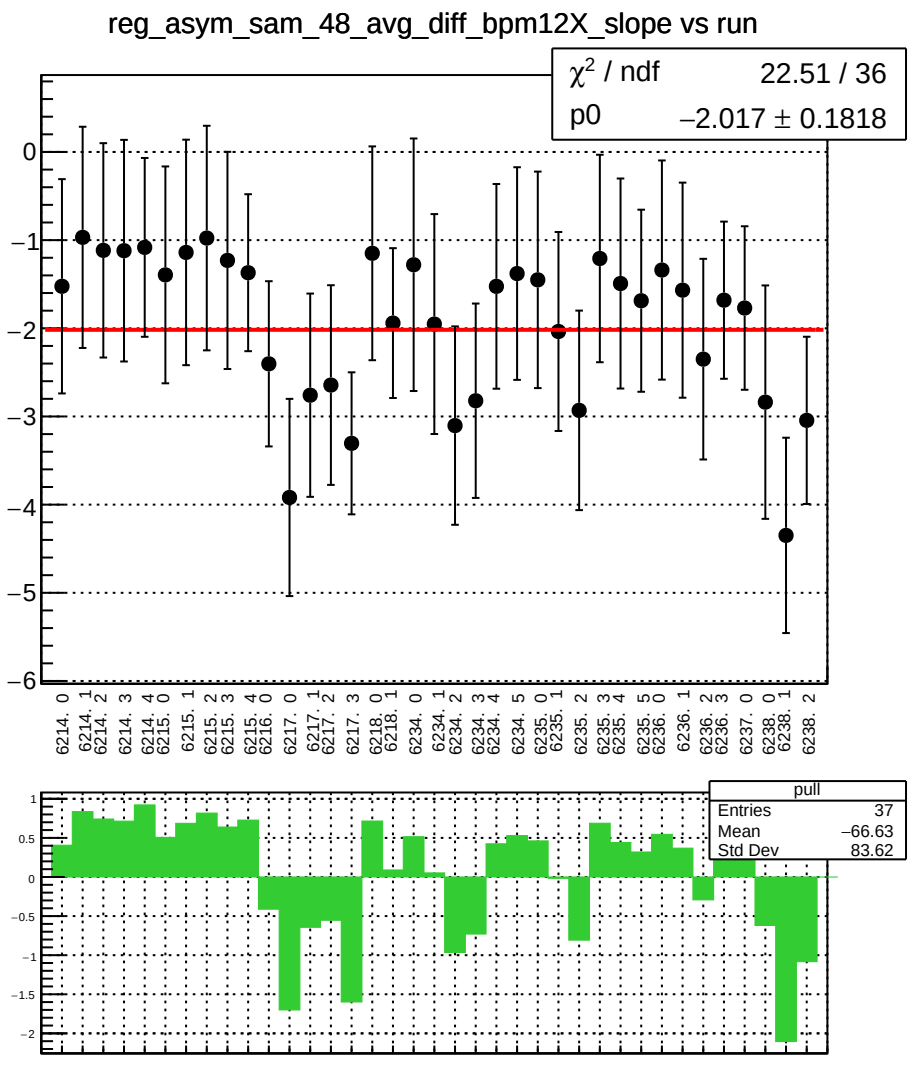

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 79.74 / 36
p0 −55.65 ± 3.439
20
0
−20
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.87
Std Dev 25.94
2
1
0
−1
−2
−3

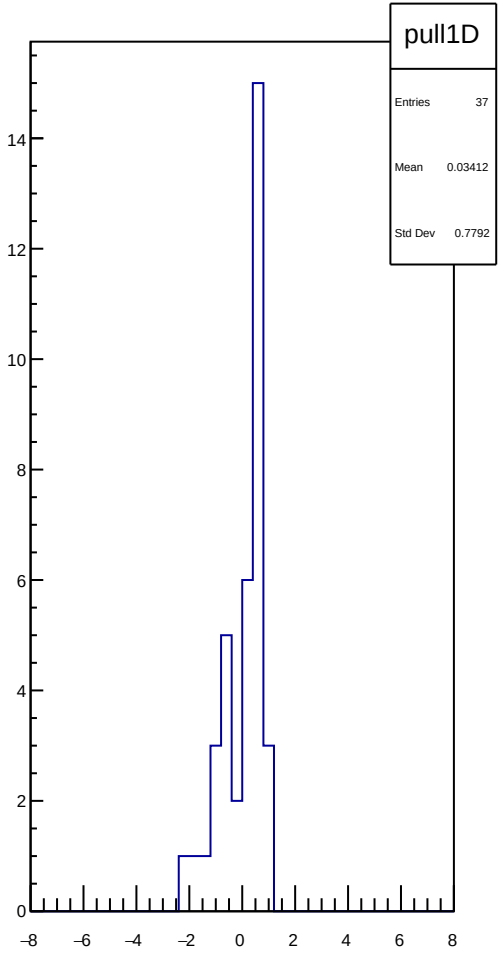

pull1D
Entries 37
Mean 0.1761
Std Dev 1.457
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

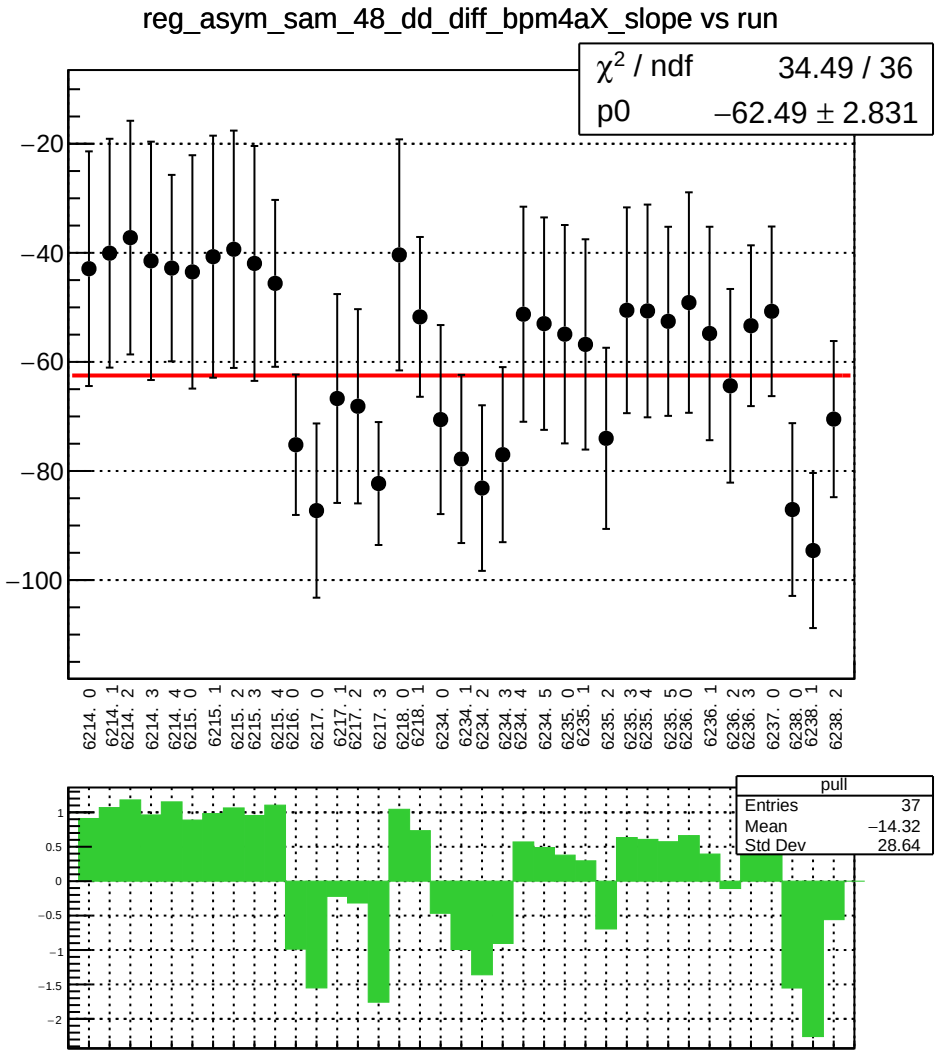

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.62 / 36
p0 −8.101 ± 2.243
120
100
80
60
40
20
0
−20
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 77.36
Std Dev 61.46
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean 0.04672
Std Dev 0.9378
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

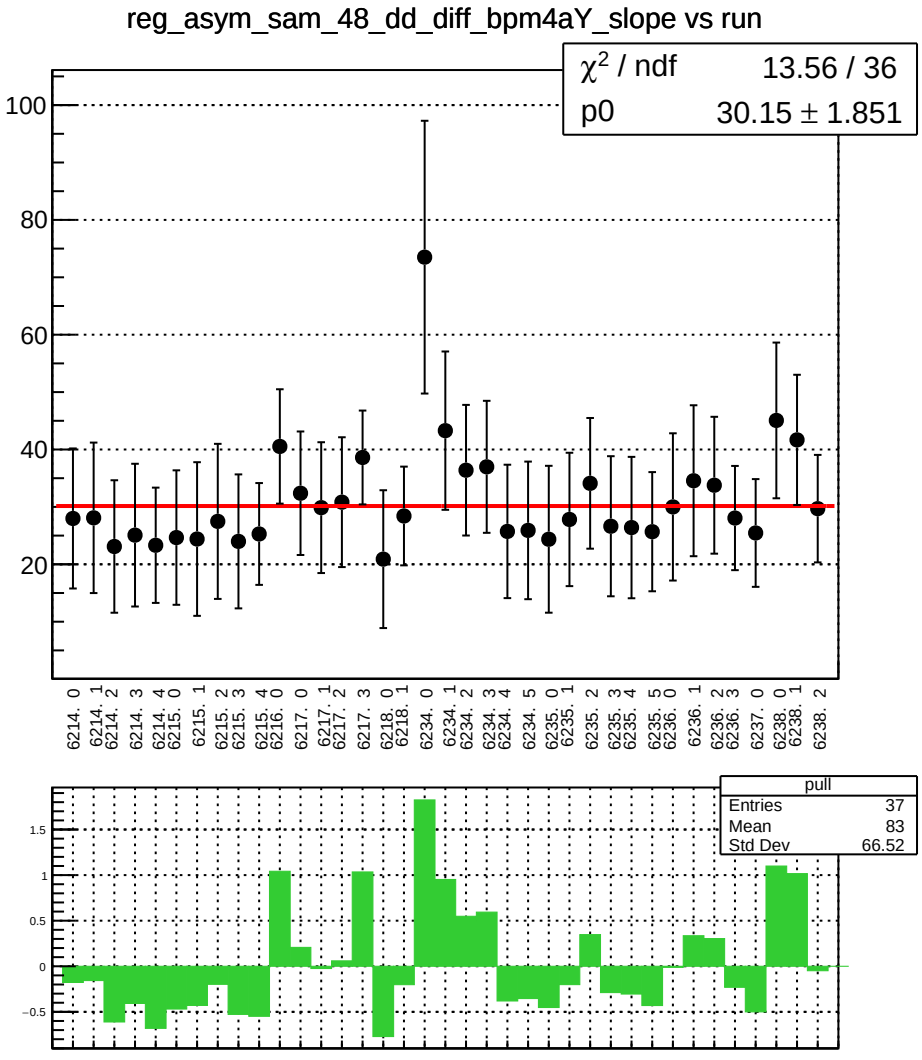

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.11 / 36
p0 −52.18 ± 3.953
pull
Entries 37
Mean −10.04
Std Dev 23.43
pull1D
Entries 37
Mean −0.175
Std Dev 1.424

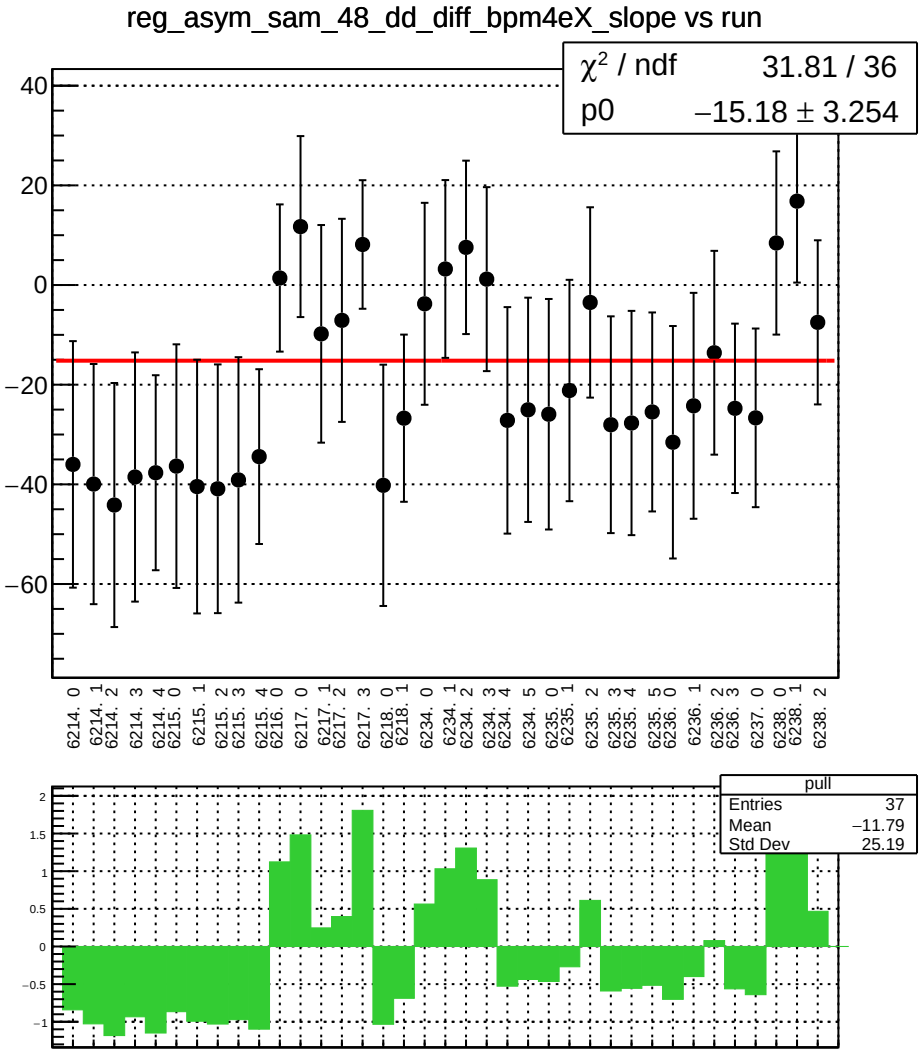

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.78 / 36
p0 142.3 ± 2.441
pull
Entries 37
Mean 99.43
Std Dev 85.52
pull1D
Entries 37
Mean −0.02991
Std Dev 0.9116

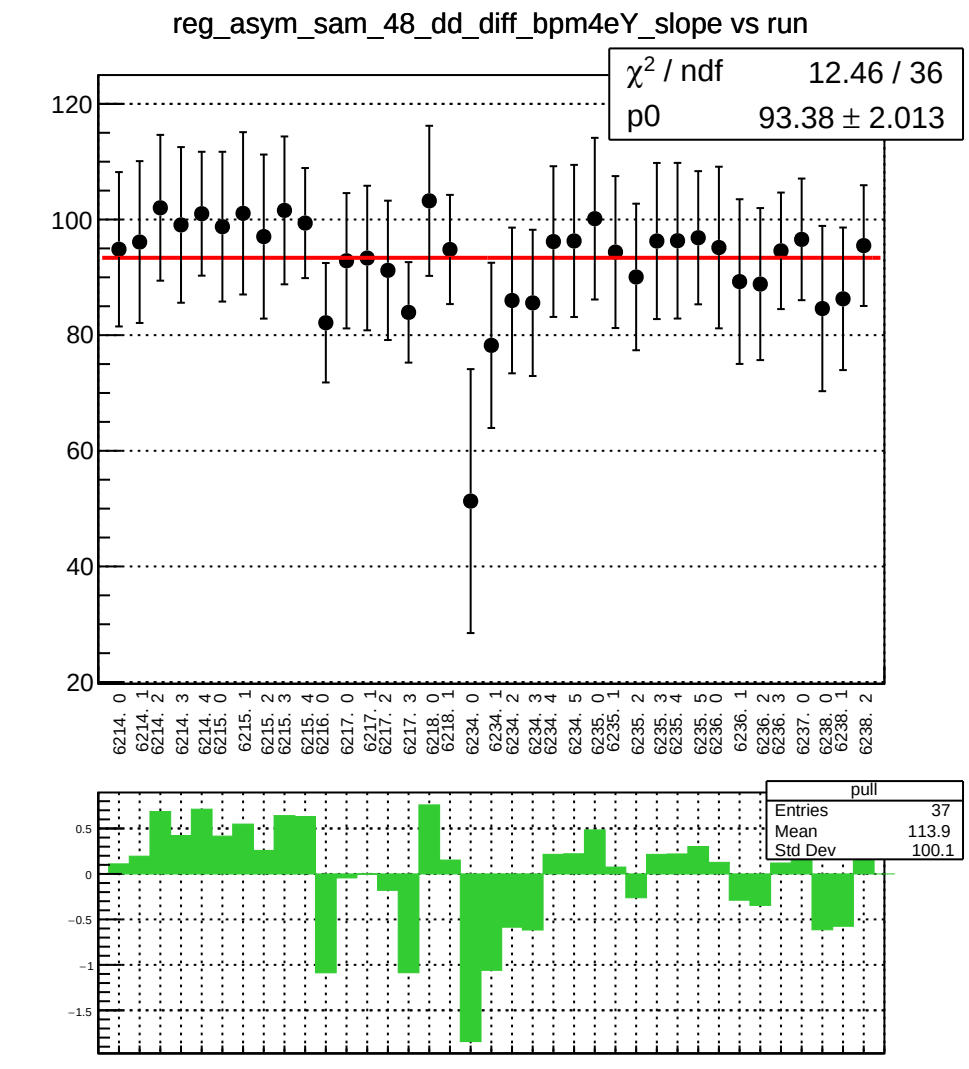

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 22.51 / 36
p0 −2.017 ± 0.1818
0
−1
−2
−3
−4
−5
−6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −66.63
Std Dev 83.62
1
0.5
0
−0.5
−1
−1.5
−2

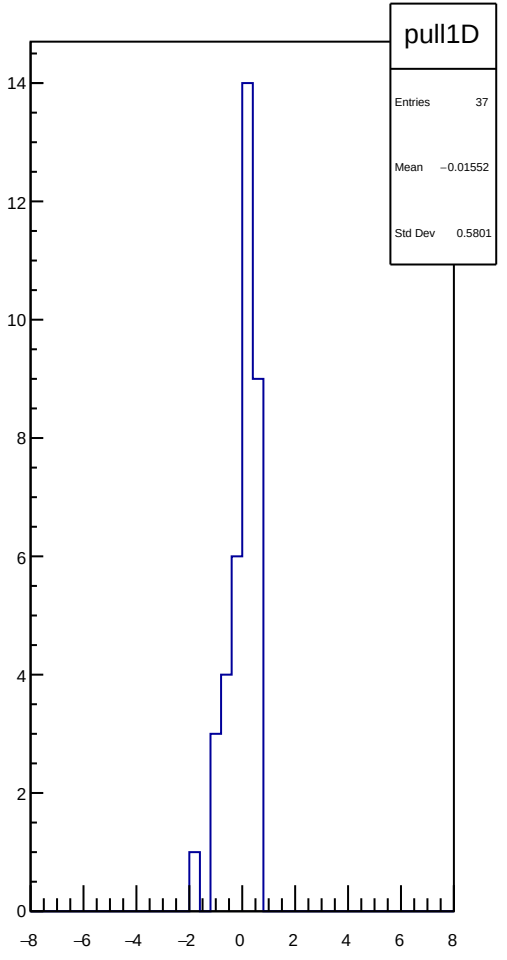

pull1D
Entries 37
Mean 0.03412
Std Dev 0.7792
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

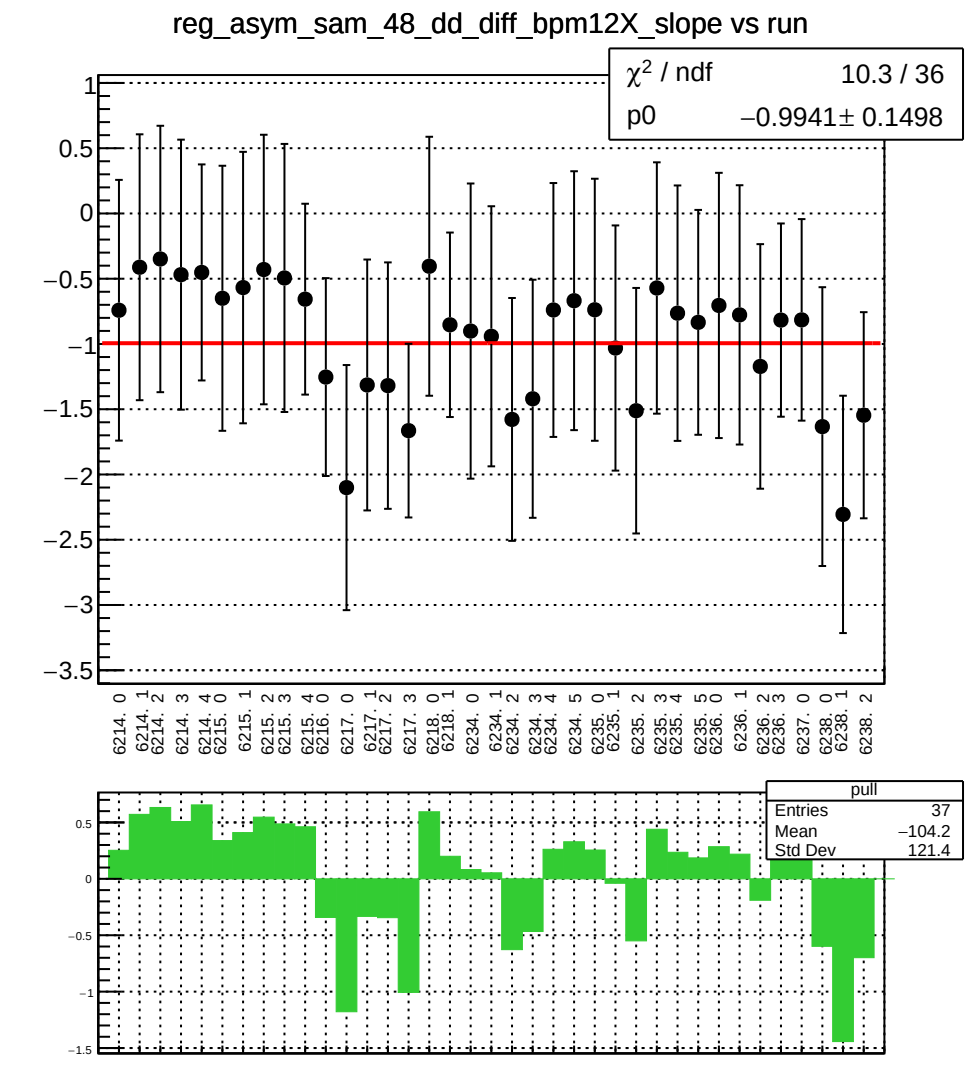

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.49 / 36
p0 −62.49 ± 2.831
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −14.32
Std Dev 28.64
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1161
Std Dev 0.9585
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

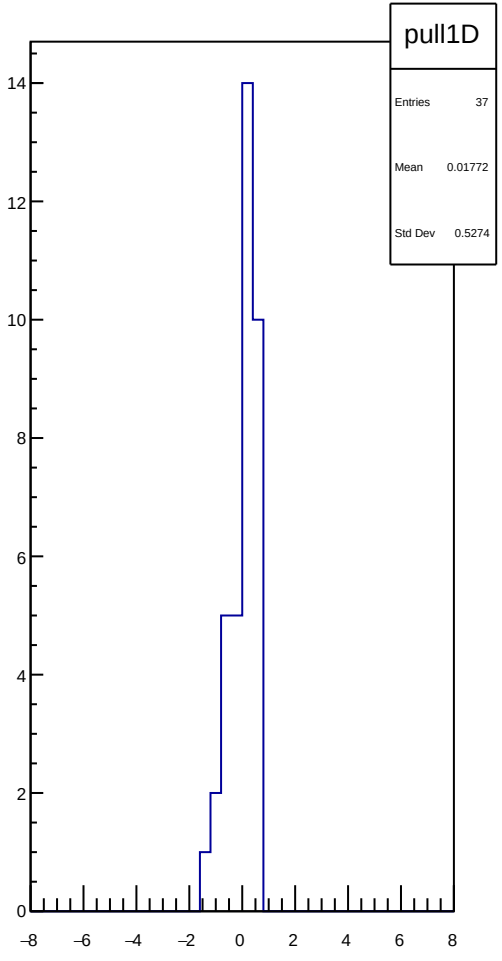

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.56 / 36
p0 30.15 ± 1.851
100
80
60
40
20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 83
Std Dev 66.52
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean 0.02583
Std Dev 0.6049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

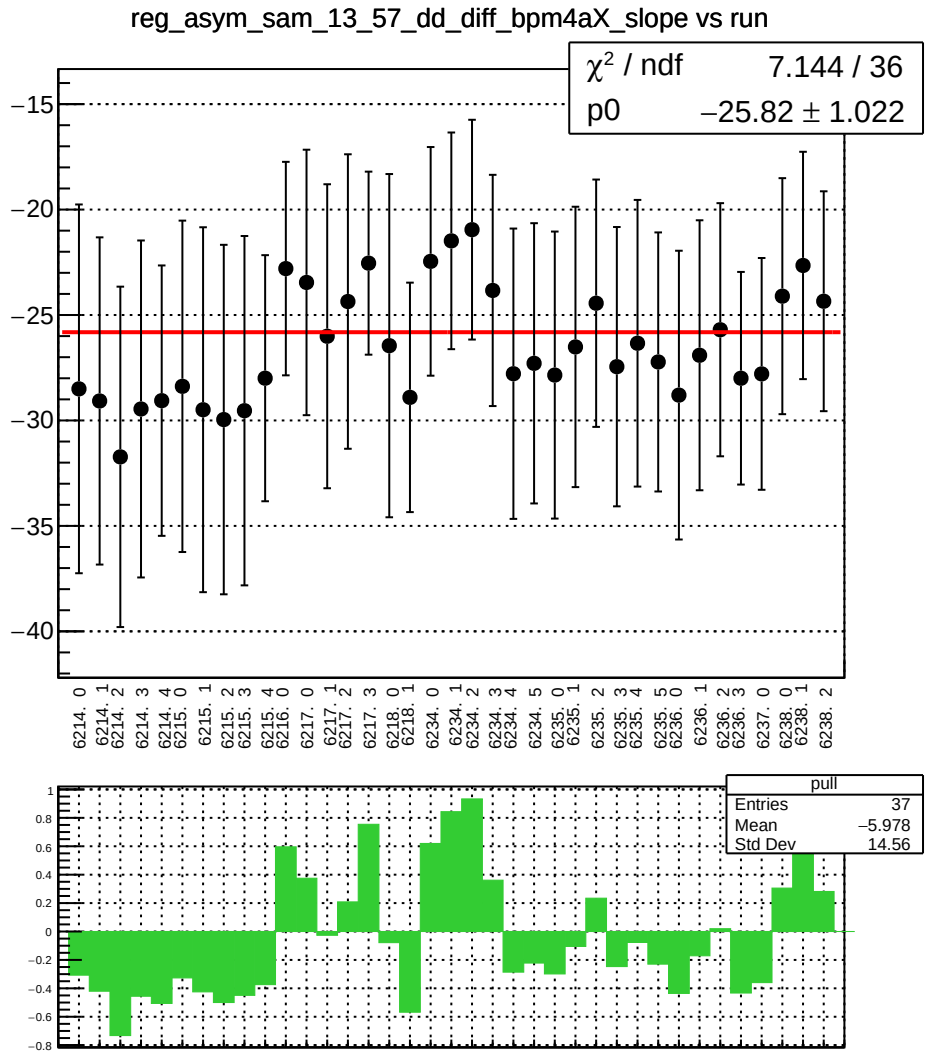

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.81 / 36
p0 −15.18 ± 3.254
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.79
Std Dev 25.19
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.1143
Std Dev 0.9201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

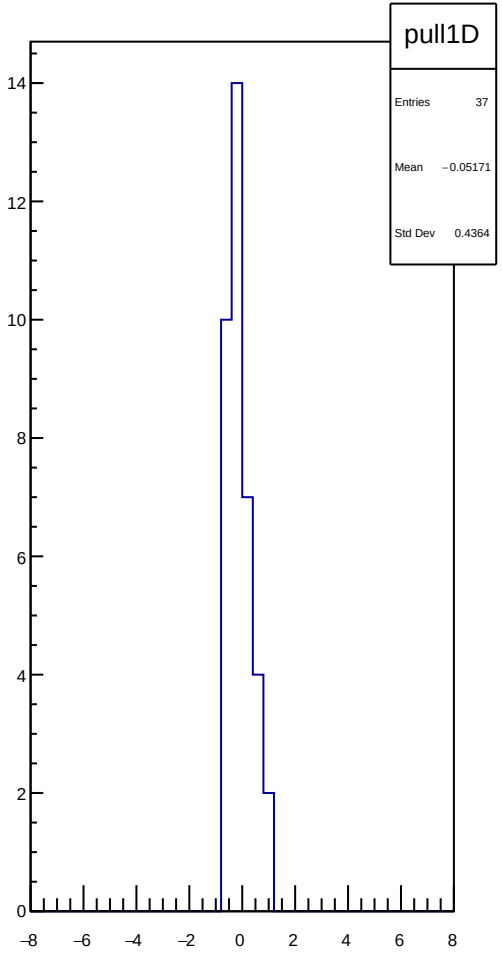

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.46 / 36
p0 93.38 ± 2.013
120
100
80
60
40
20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 113.9
Std Dev 100.1
0.5
0
−0.5
−1
−1.5

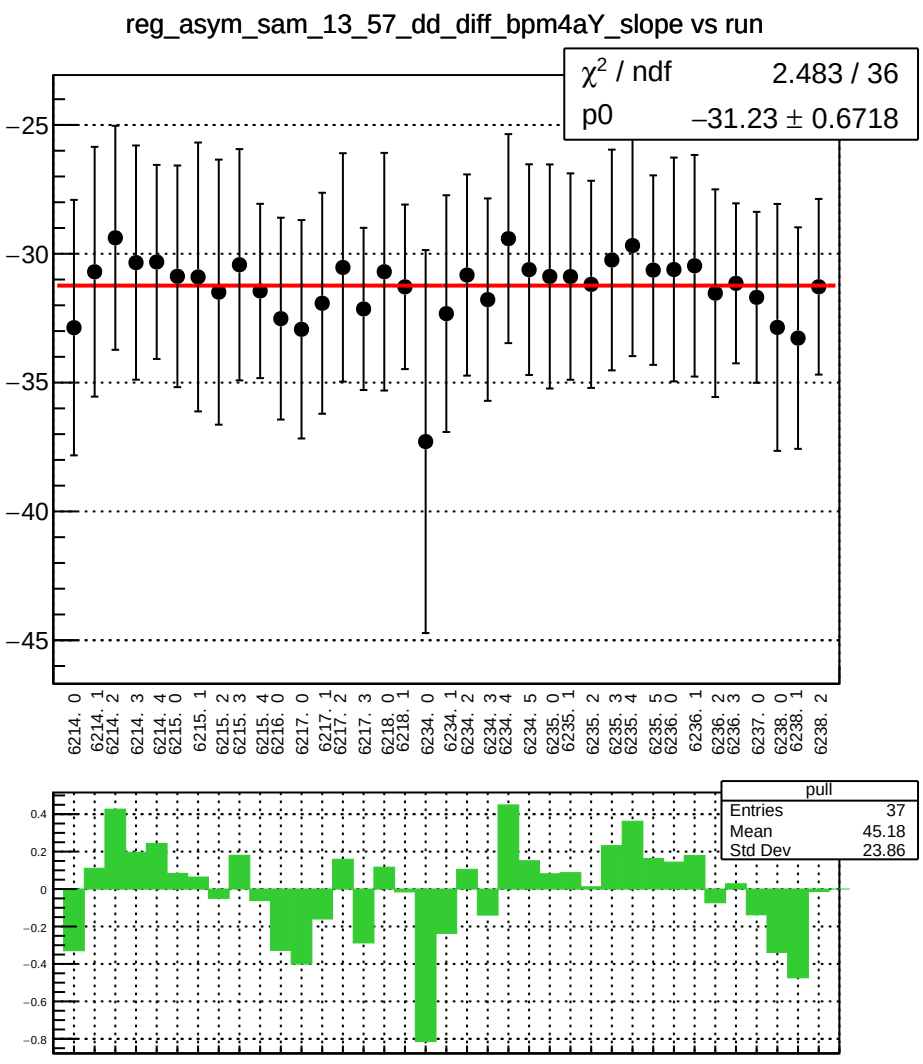

pull1D
Entries 37
Mean −0.01552
Std Dev 0.5801
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

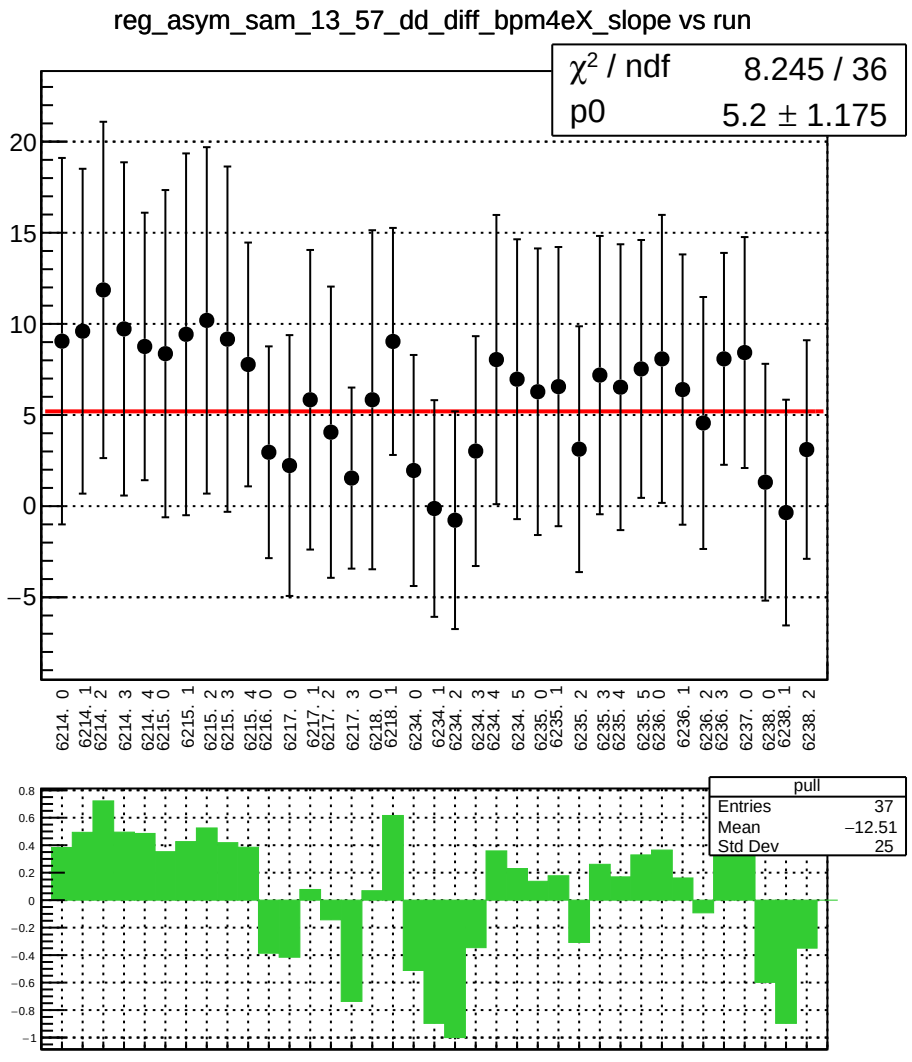

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.3 / 36
p0 −0.9941± 0.1498
pull
Entries 37
Mean −104.2
Std Dev 121.4

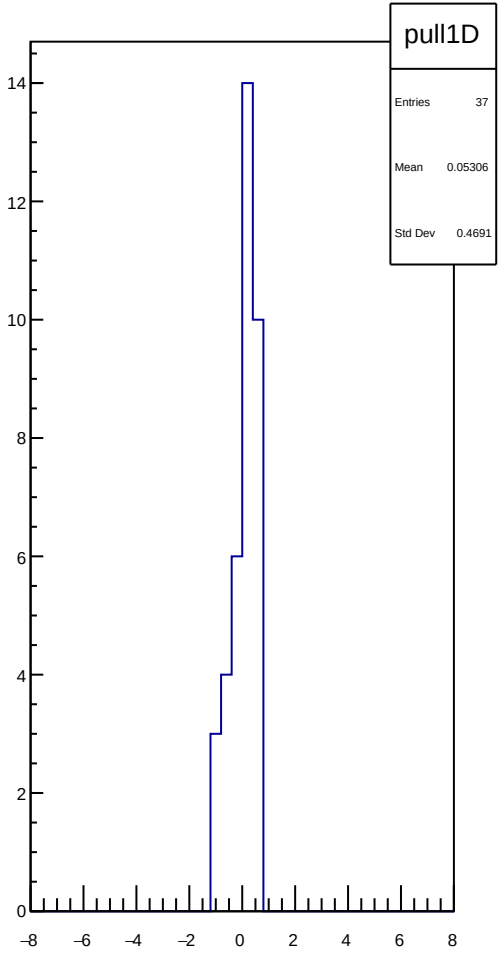

pull1D
Entries 37
Mean 0.01772
Std Dev 0.5274

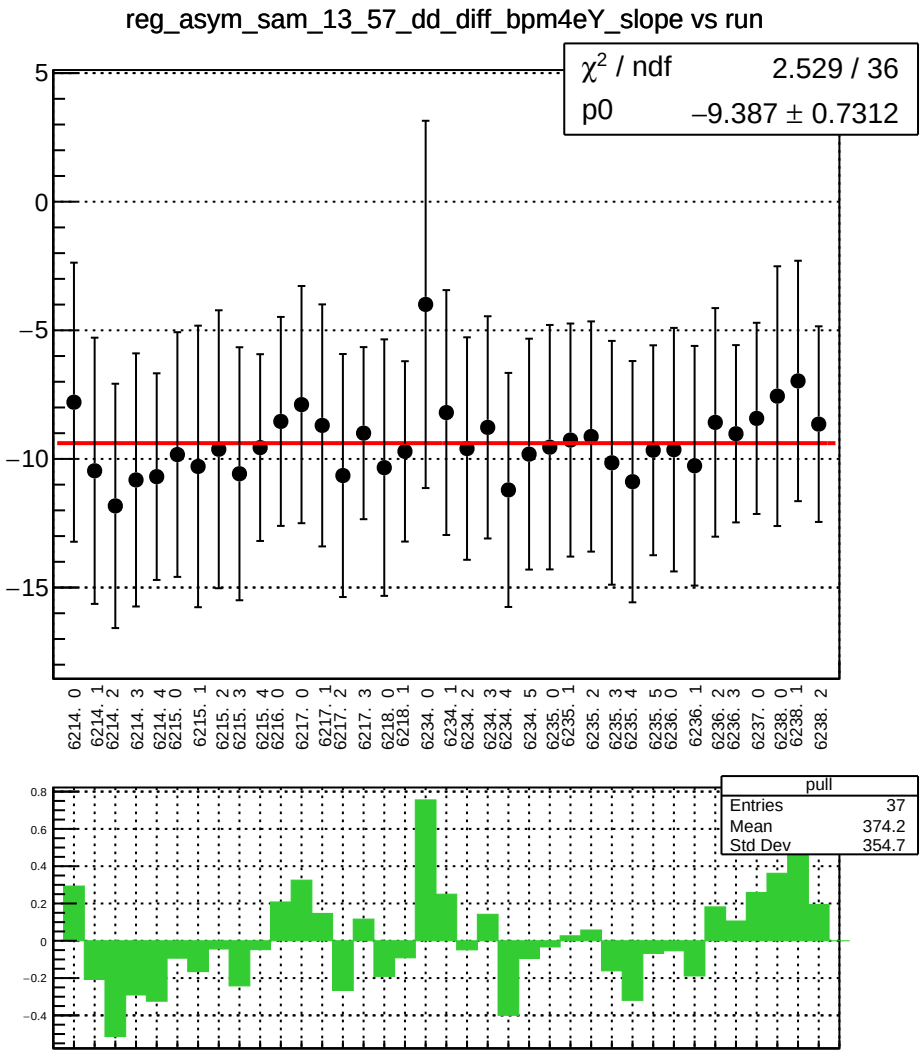

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.144 / 36
p0 −25.82 ± 1.022
−15
−20
−25
−30
−35
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −5.978
Std Dev 14.56
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

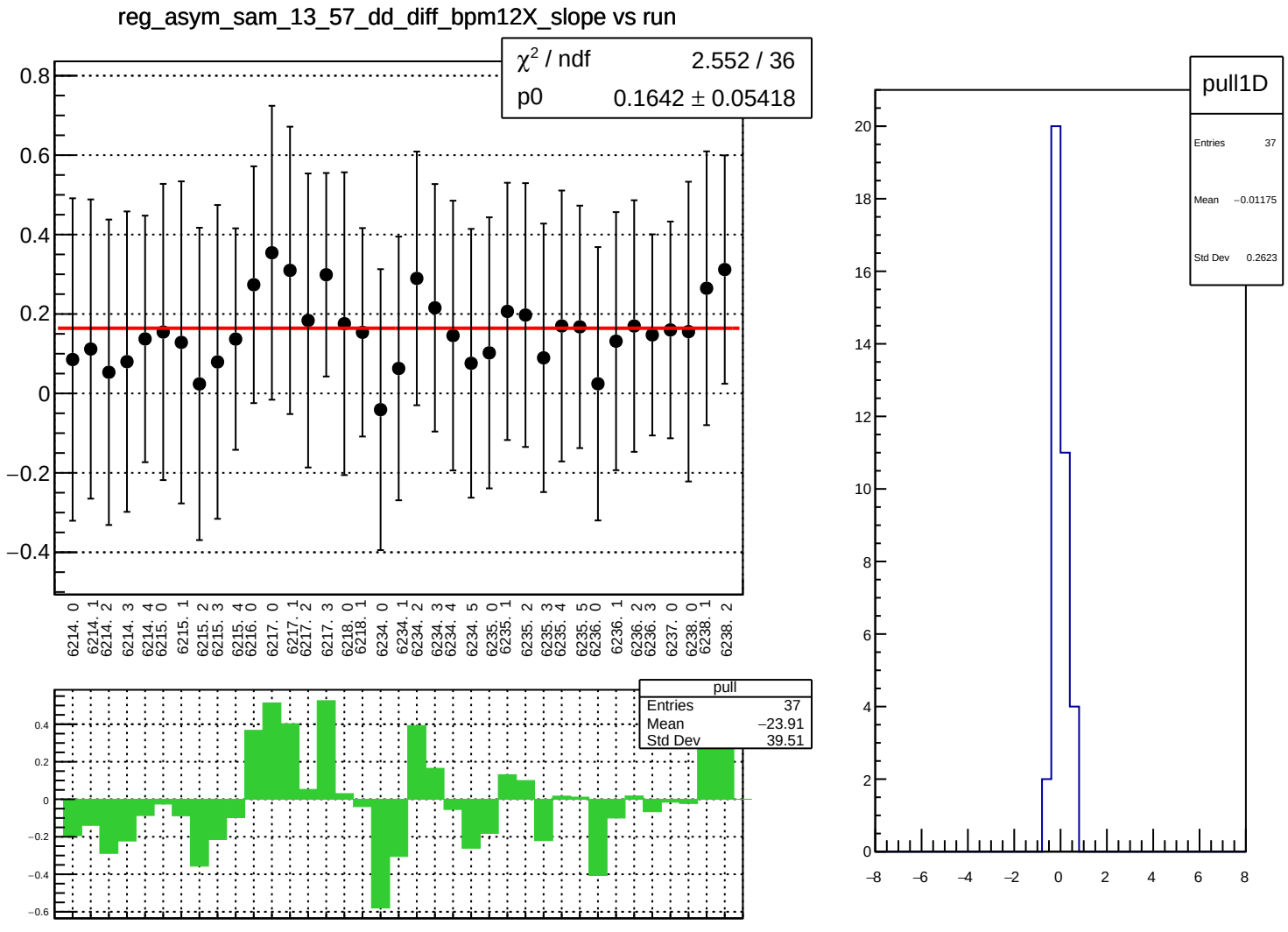

pull1D
Entries 37
Mean −0.05171
Std Dev 0.4364
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

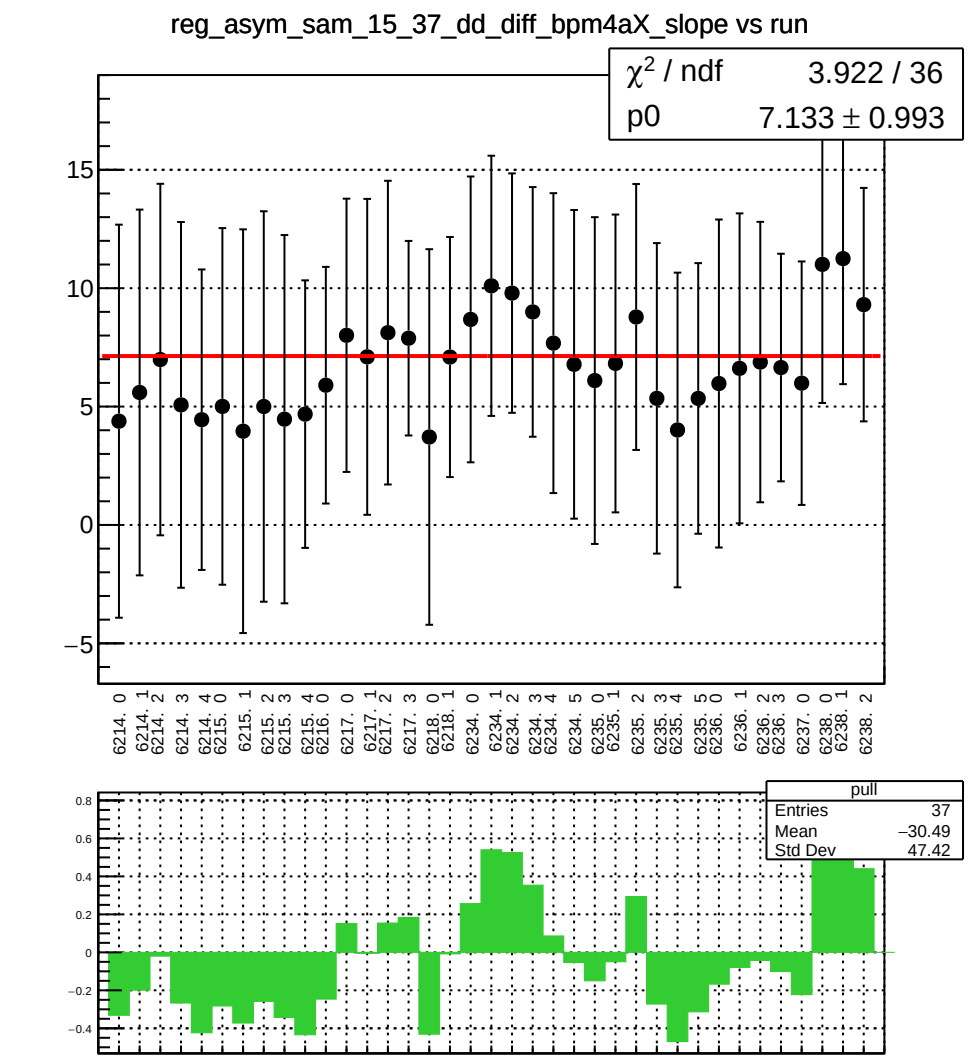

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.483 / 36
p0 −31.23 ± 0.6718
−25
−30
−35
−40
−45
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 45.18
Std Dev 23.86
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.007638
Std Dev 0.2589
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

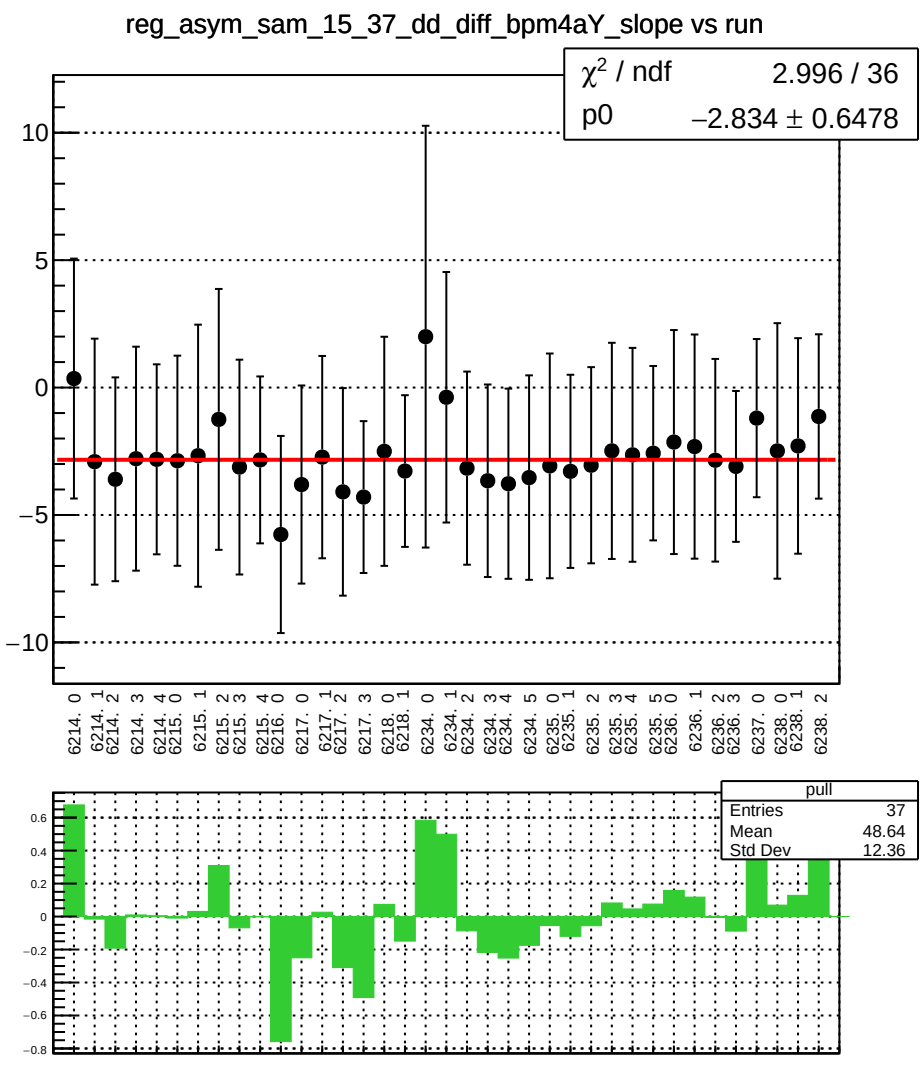

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.245 / 36
p0 5.2 ± 1.175
pull
Entries 37
Mean −12.51
Std Dev 25

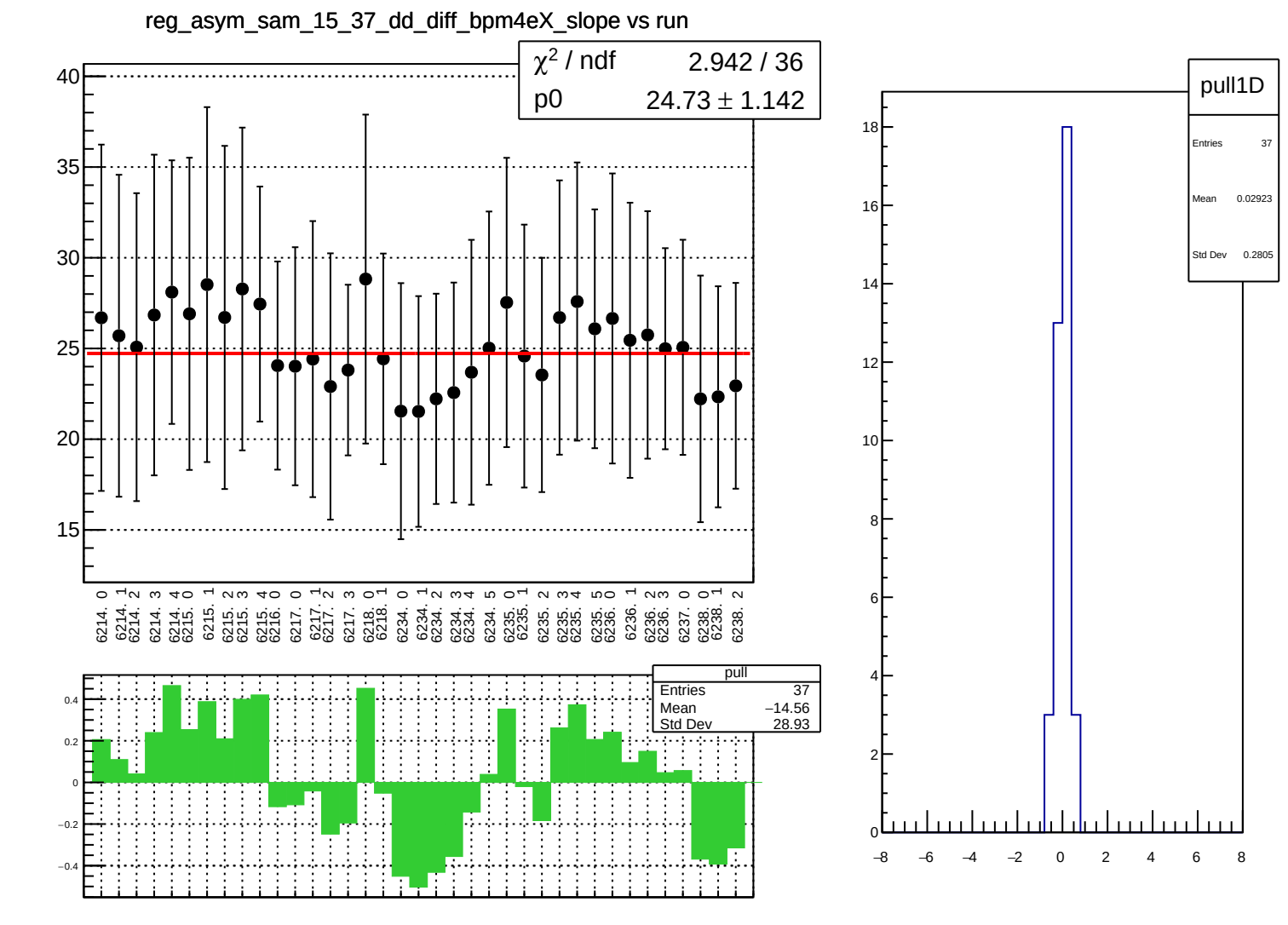

pull1D
Entries 37
Mean 0.05306
Std Dev 0.4691

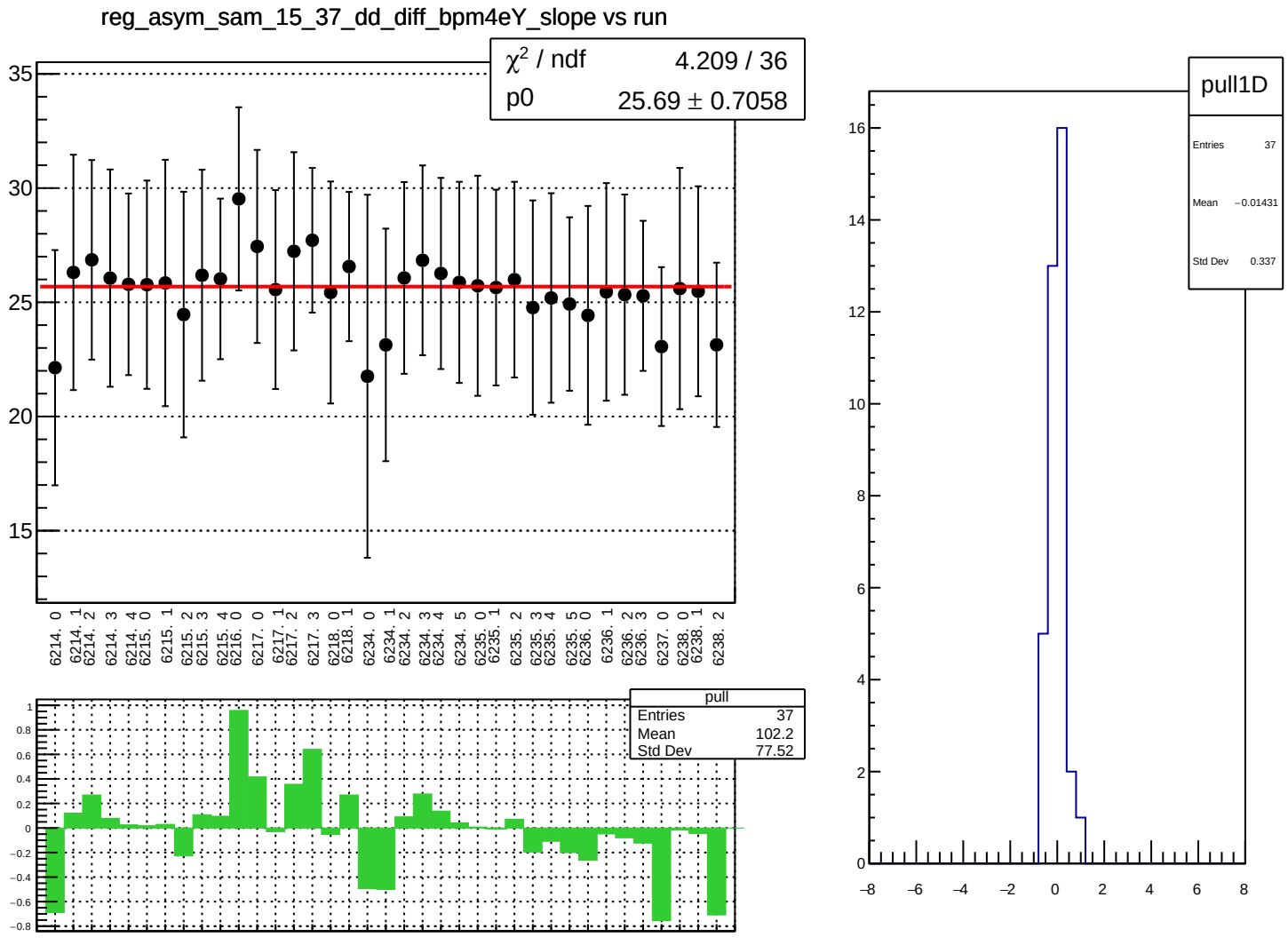

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.529 / 36
p0 −9.387 ± 0.7312
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 374.2
Std Dev 354.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean 0.002668
Std Dev 0.2614
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

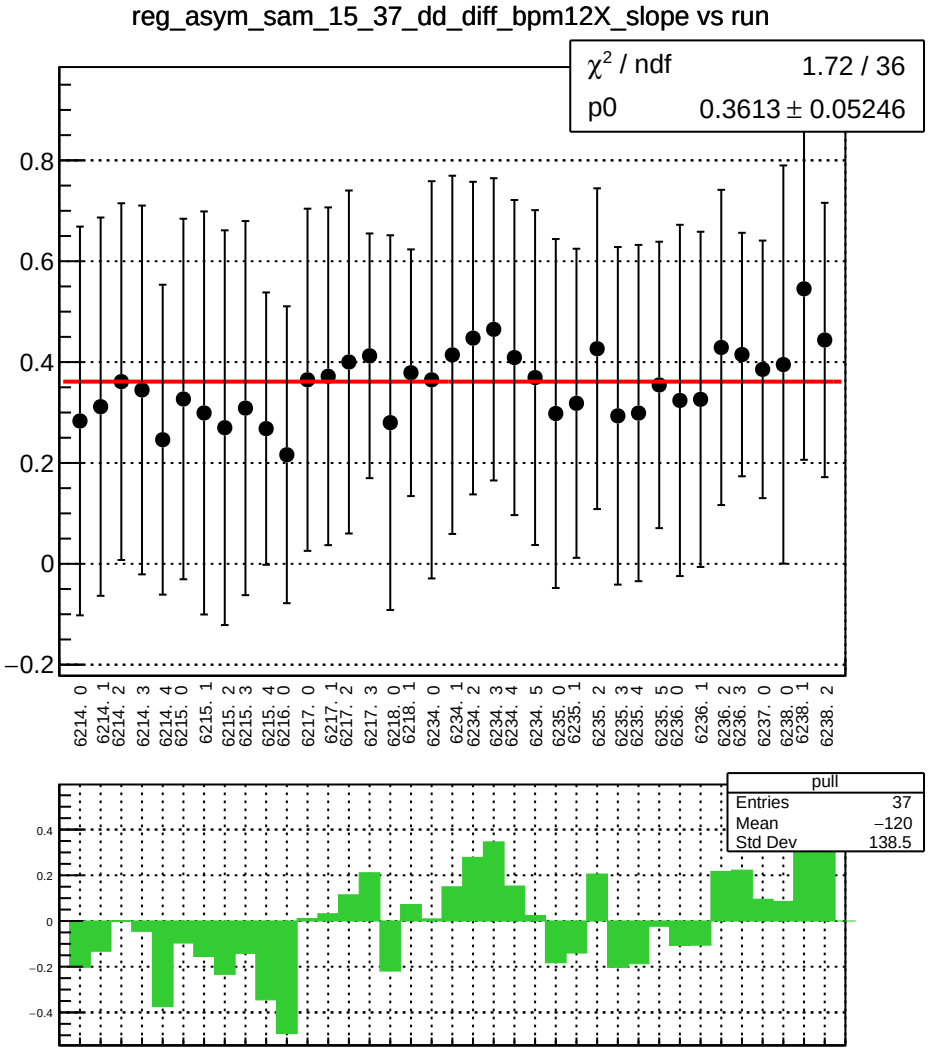

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 2.552 / 36
p0 0.1642 ± 0.05418
0.8
0.6
0.4
0.2
0
−0.2
−0.4
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −23.91
Std Dev 39.51
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean −0.01175
Std Dev 0.2623
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

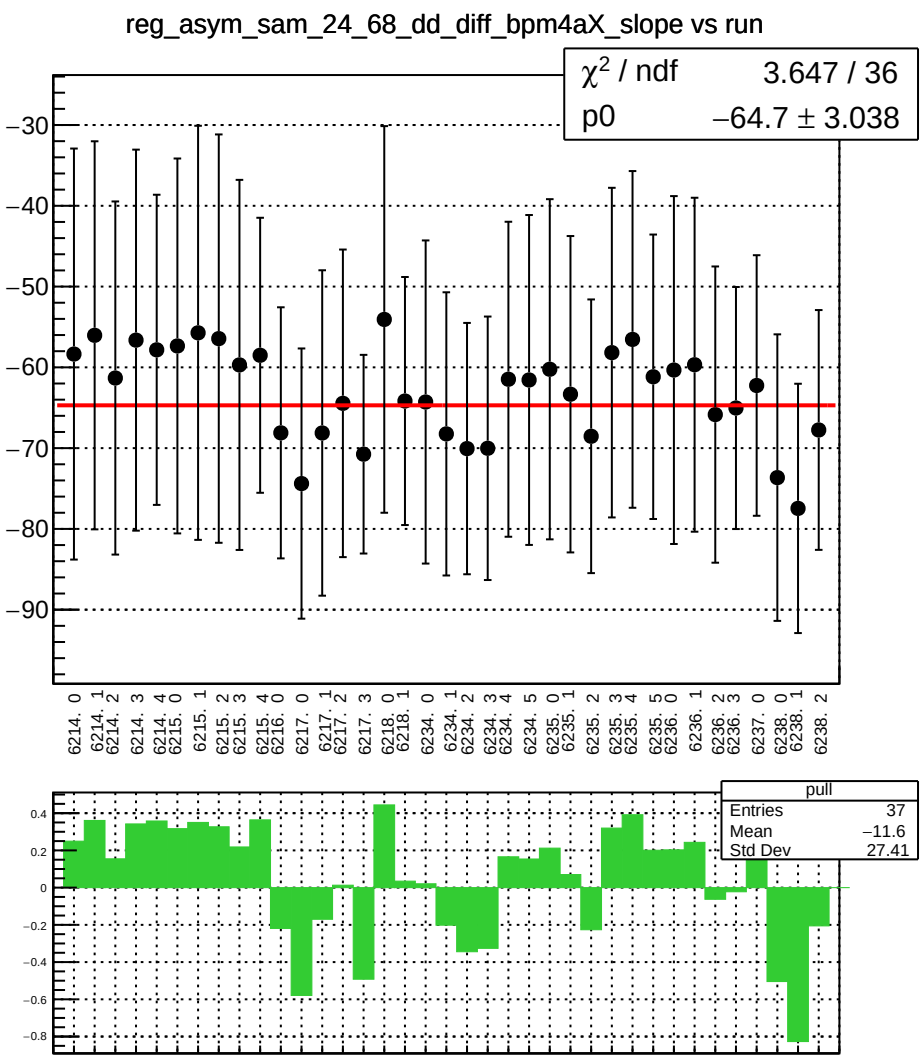

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.922 / 36
p0 7.133 ± 0.993
15
10
5
0
−5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −30.49
Std Dev 47.42
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.03021
Std Dev 0.3242
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

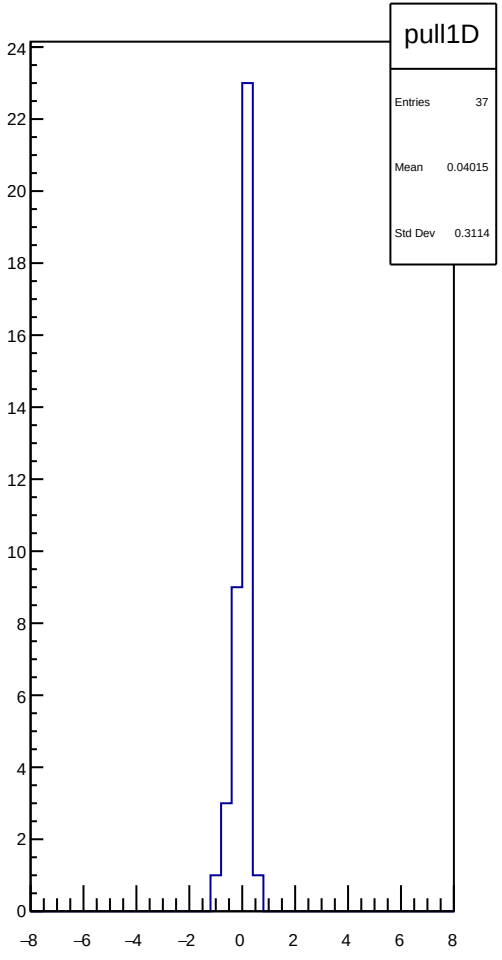

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.996 / 36
p0 −2.834 ± 0.6478
10
5
0
−5
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 48.64
Std Dev 12.36
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean 0.0176
Std Dev 0.284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

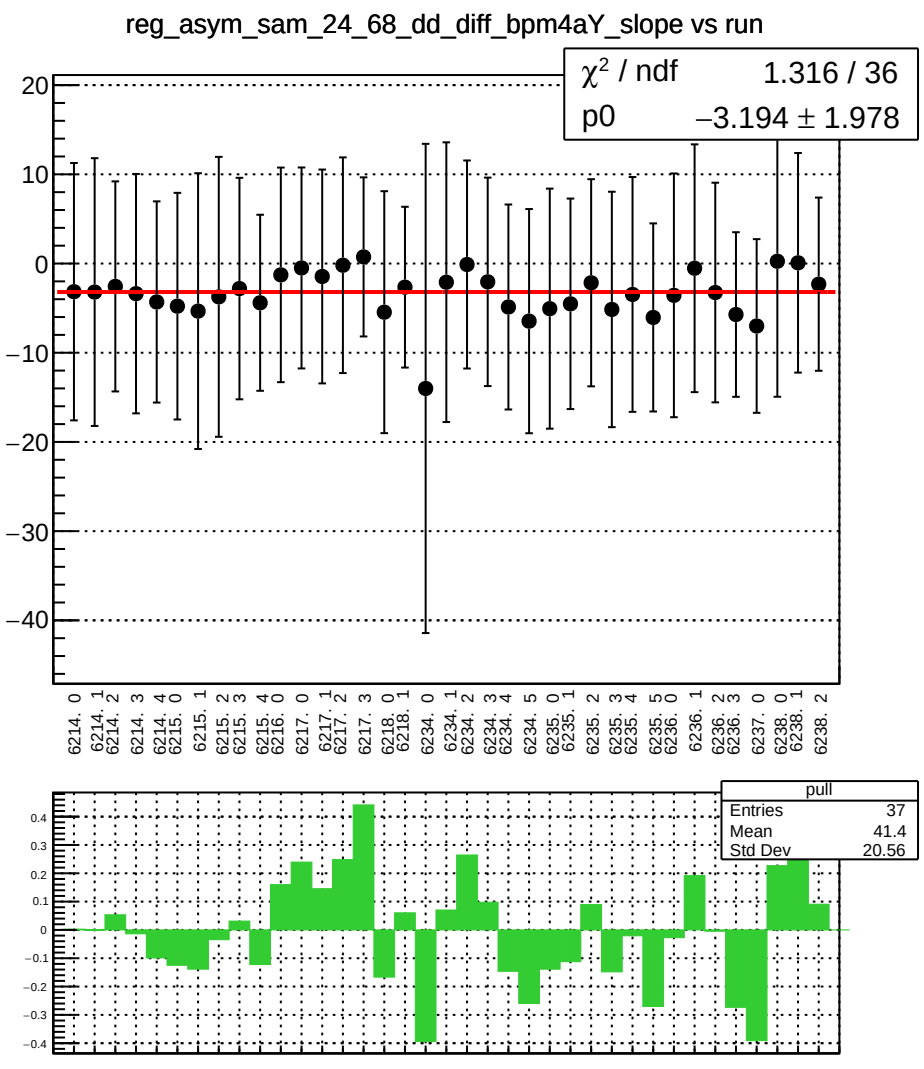

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.942 / 36
p0 24.73 ± 1.142
40
35
30
25
20
15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −14.56
Std Dev 28.93
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean 0.02923
Std Dev 0.2805
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

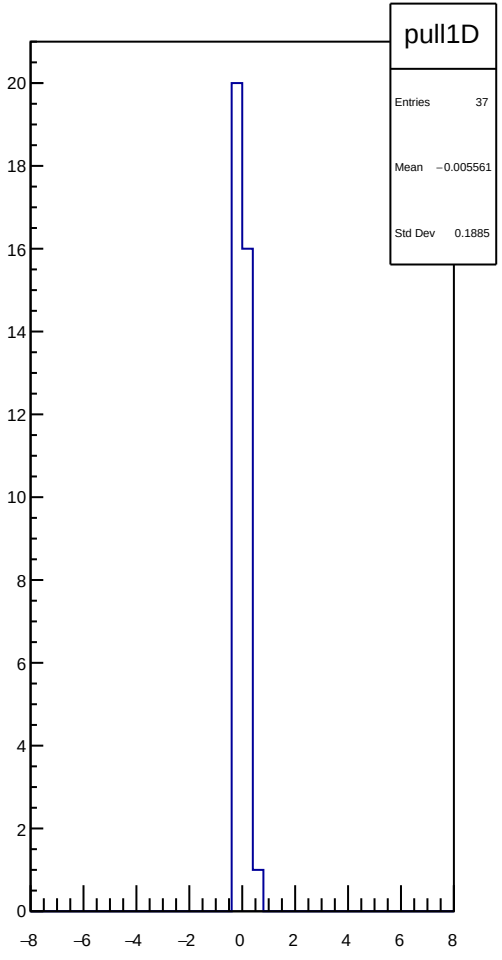

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.209 / 36
p0 25.69 ± 0.7058
35
30
25
20
15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 102.2
Std Dev 77.52
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.01431
Std Dev 0.337
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

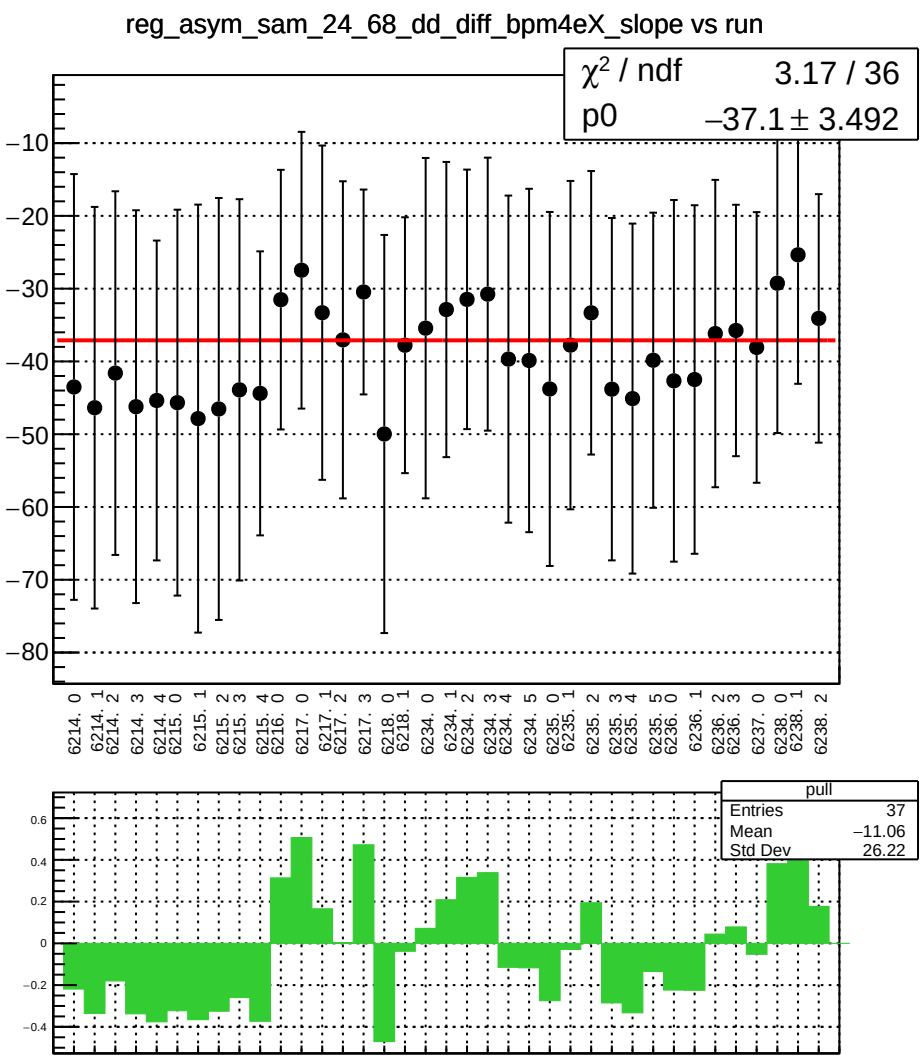

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.72 / 36
p0 0.3613 ± 0.05246
pull
Entries 37
Mean −120
Std Dev 138.5
pull1D
Entries 37
Mean −0.008476
Std Dev 0.2155

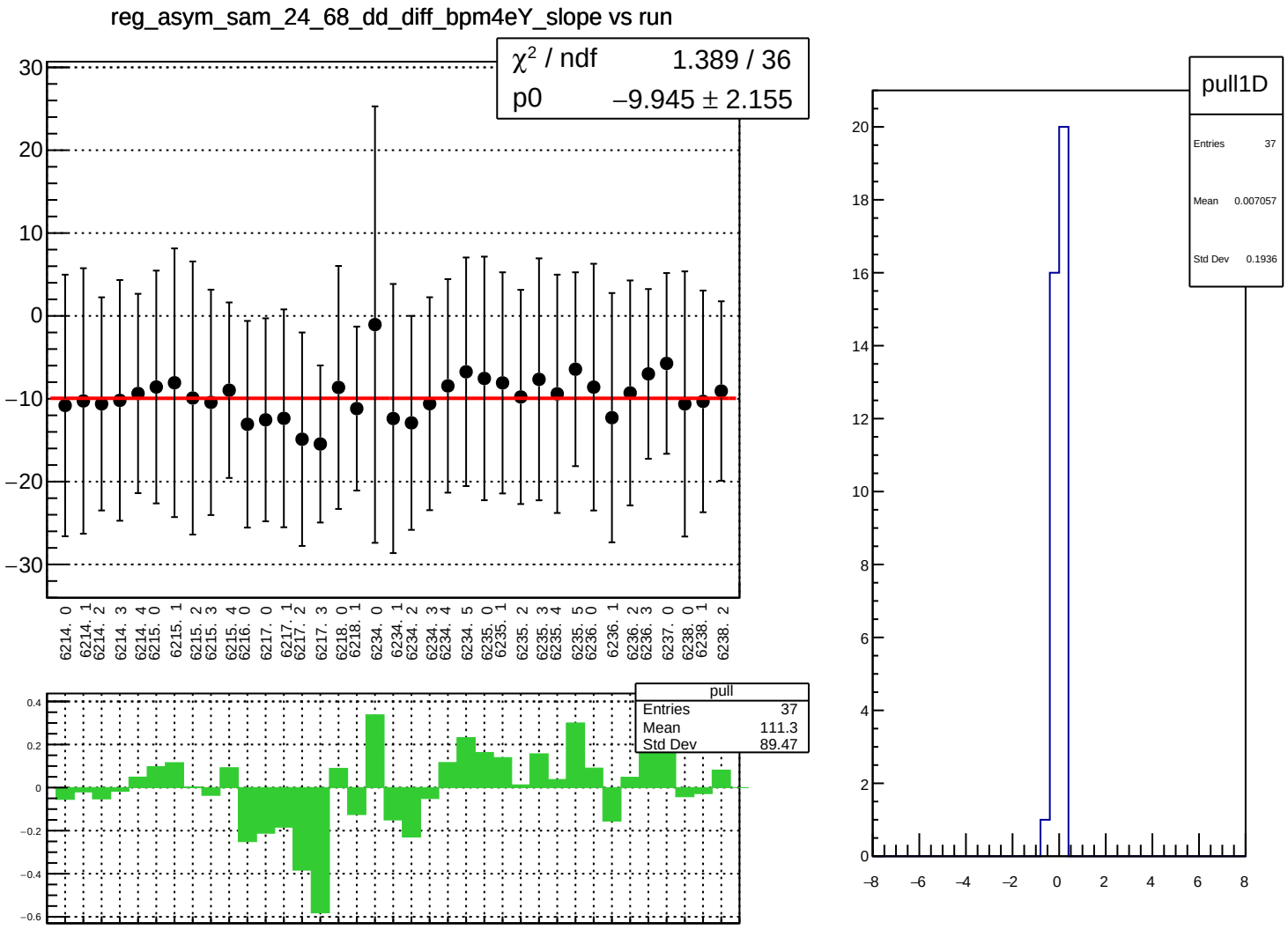

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.647 / 36
p0 −64.7 ± 3.038
−30
−40
−50
−60
−70
−80
−90
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.6
Std Dev 27.41
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

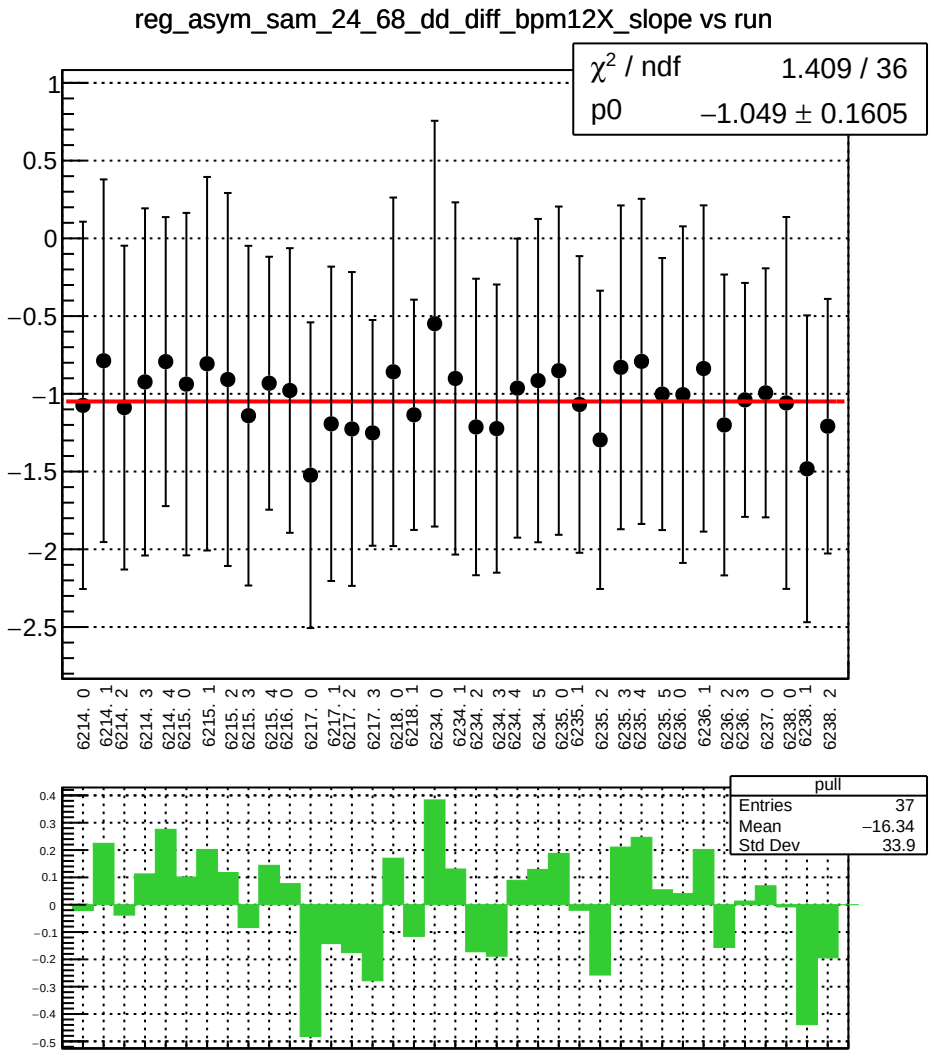

pull1D
Entries 37
Mean 0.04015
Std Dev 0.3114
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

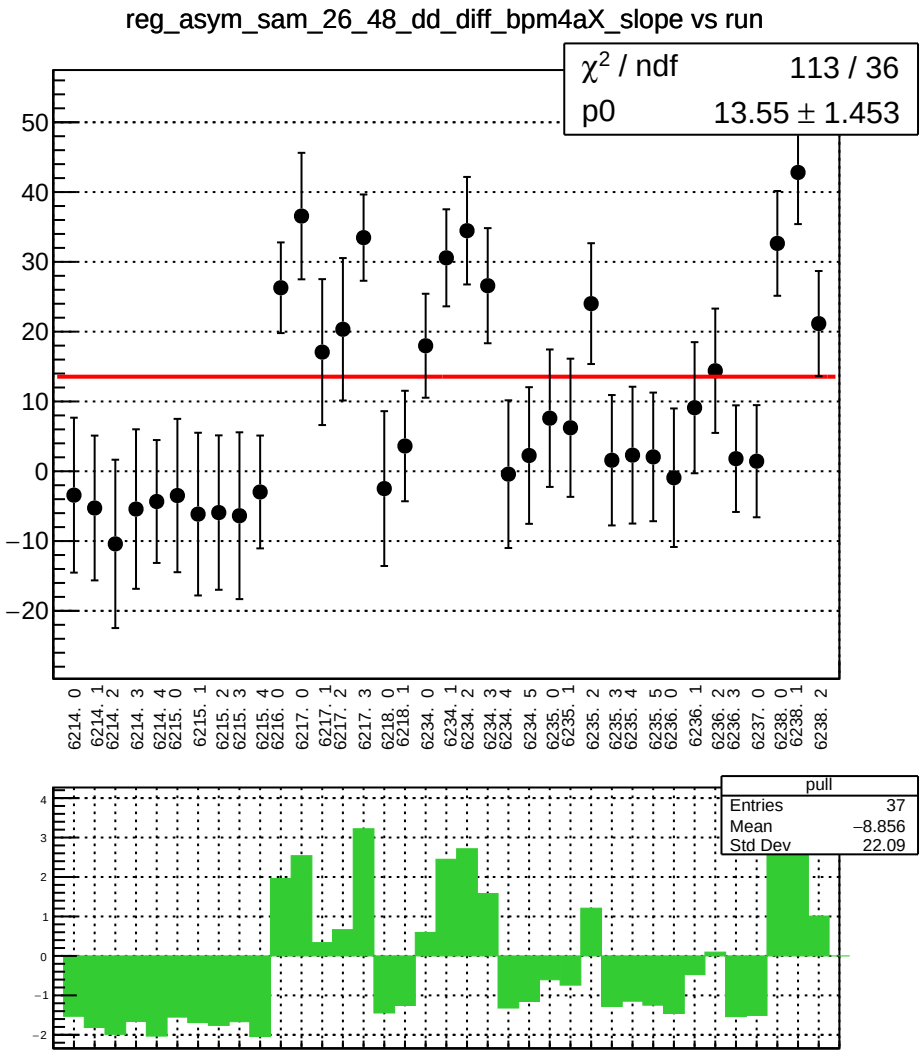

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.316 / 36
p0 −3.194 ± 1.978
20
10
0
−10
−20
−30
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 41.4
Std Dev 20.56
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

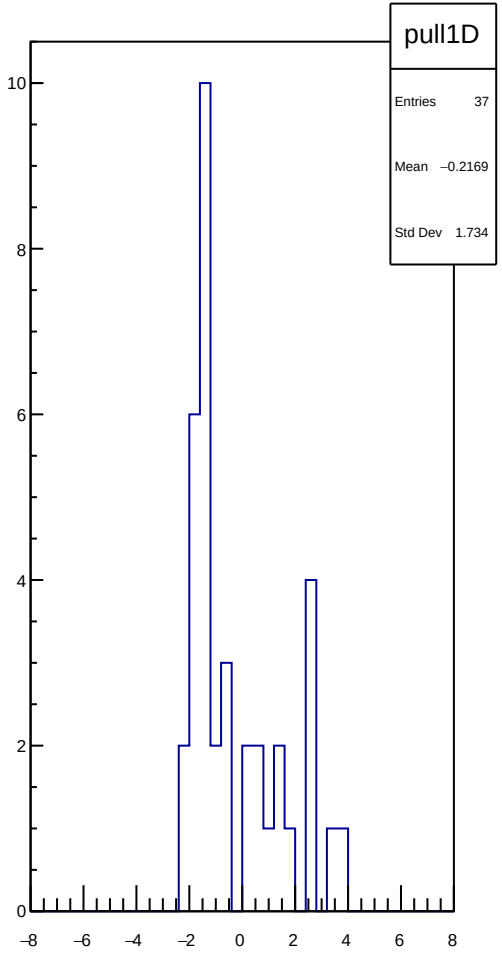

pull1D
Entries 37
Mean −0.005561
Std Dev 0.1885
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

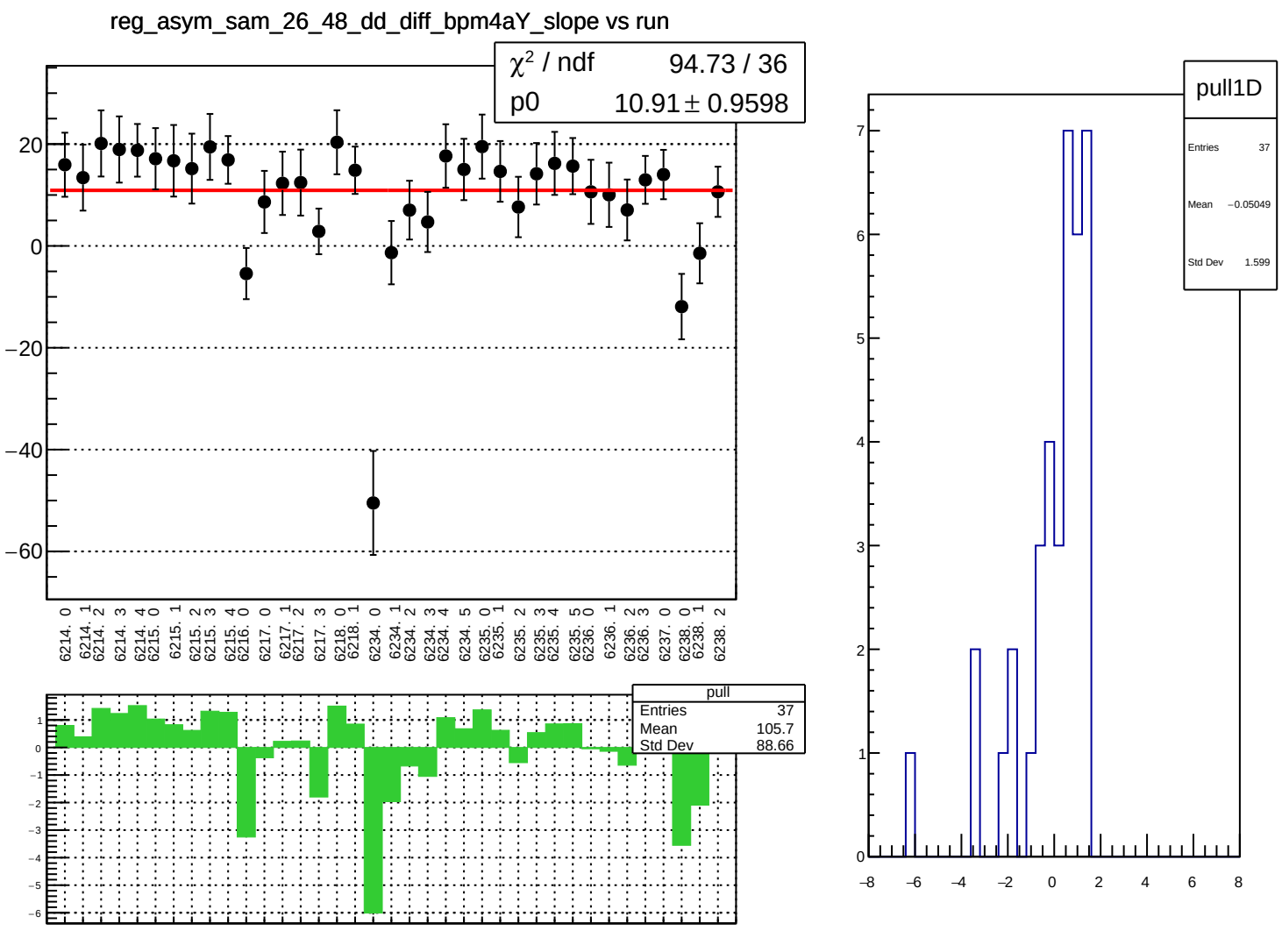

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.17 / 36
p0 −37.1 ± 3.492
−10
−20
−30
−40
−50
−60
−70
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.06
Std Dev 26.22
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.03939
Std Dev 0.29
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

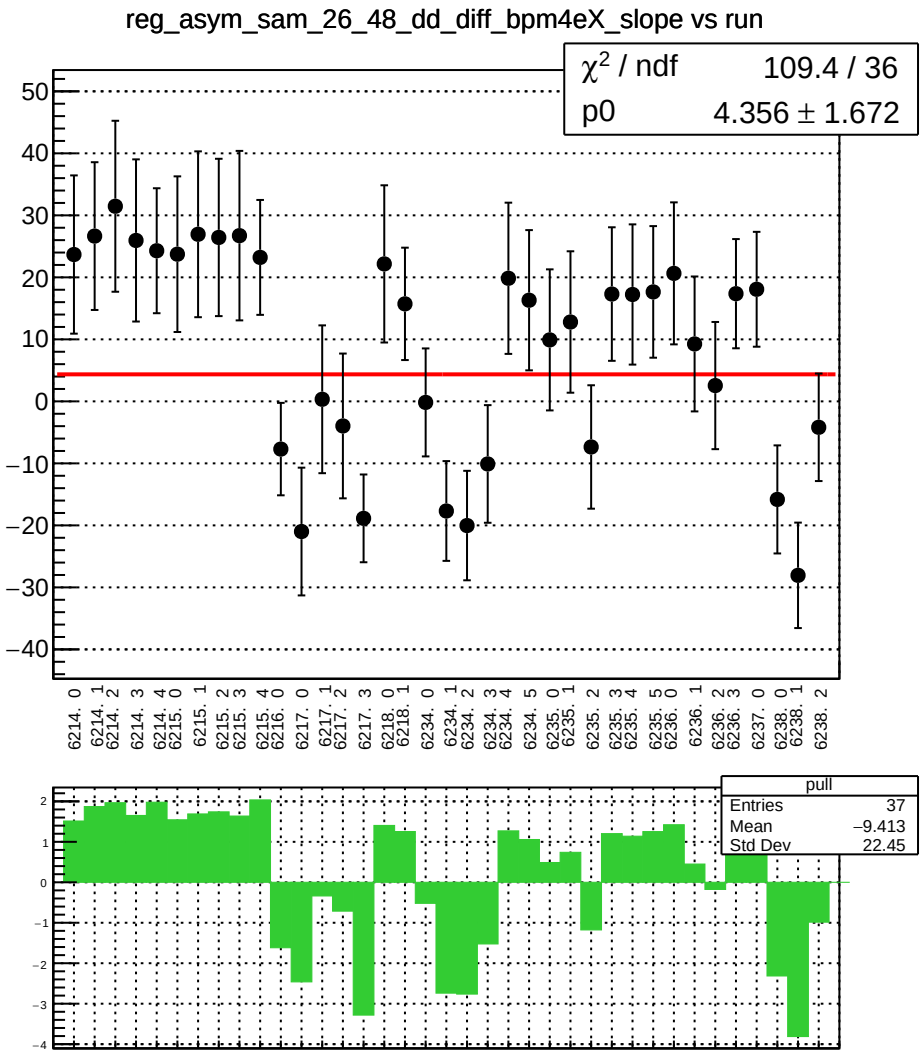

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.389 / 36
p0 −9.945 ± 2.155
30
20
10
0
−10
−20
−30
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 111.3
Std Dev 89.47
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean 0.007057
Std Dev 0.1936
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

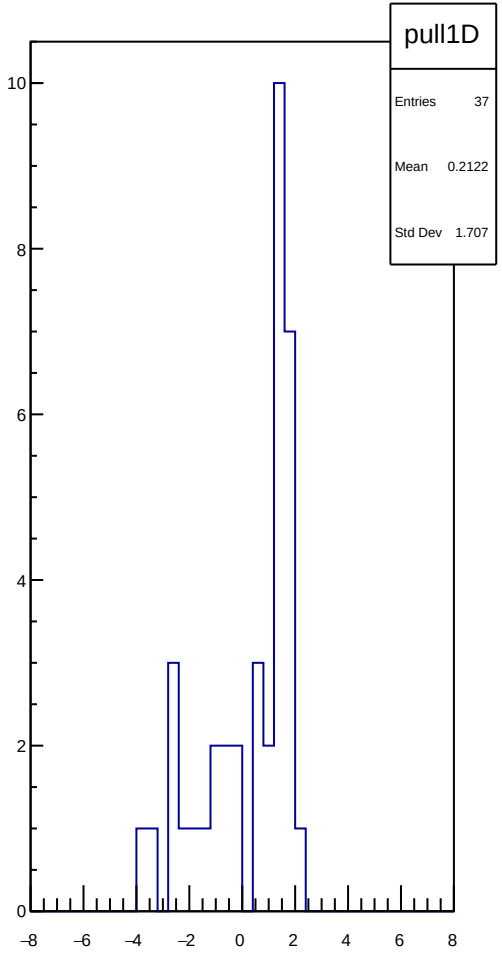

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.409 / 36
p0 −1.049 ± 0.1605
pull
Entries 37
Mean −16.34
Std Dev 33.9
pull1D
Entries 37
Mean 0.01106
Std Dev 0.1948

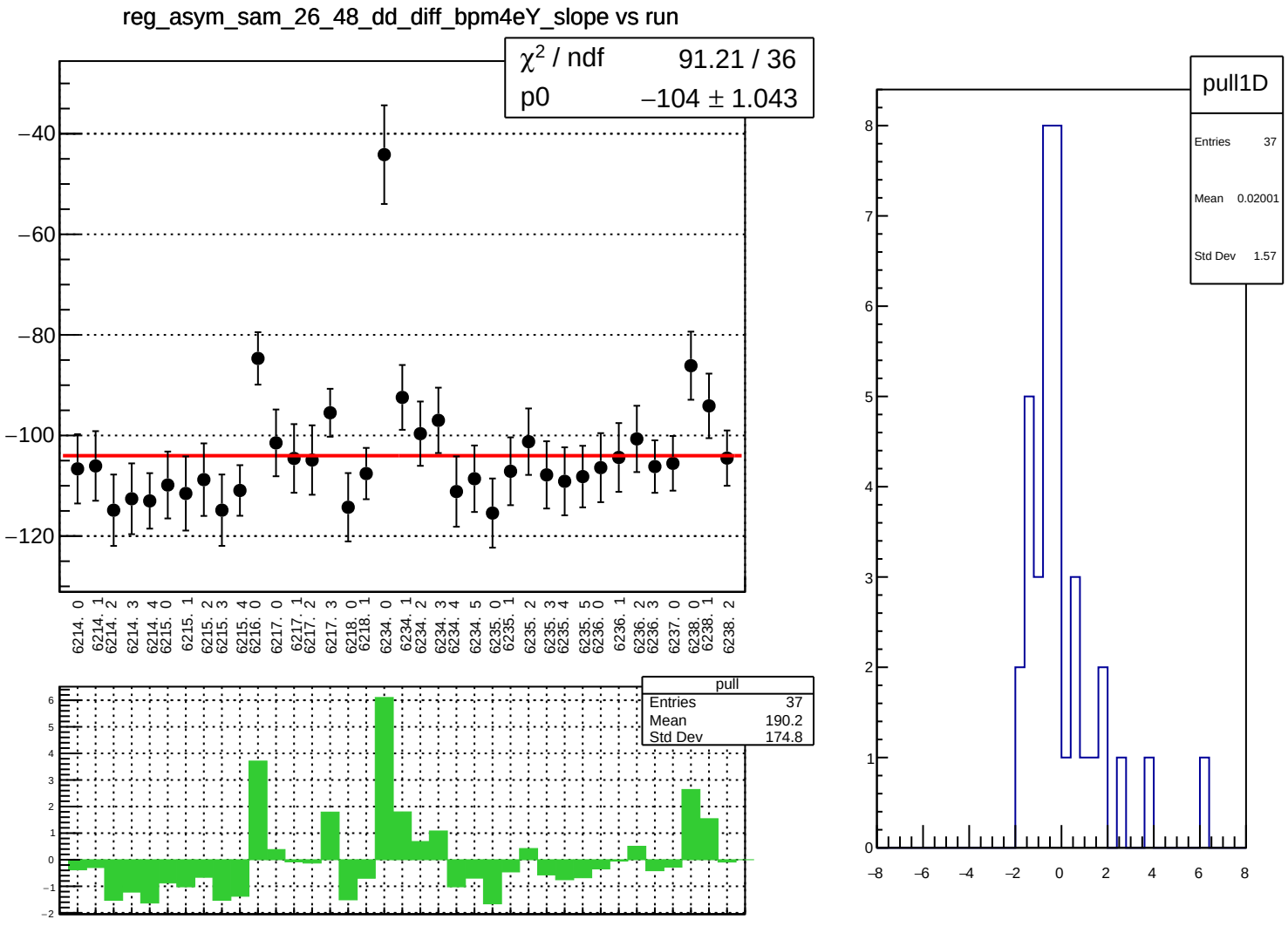

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 113 / 36
p0 13.55 ± 1.453
50
40
30
20
10
0
−10
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.856
Std Dev 22.09
4
3
2
1
0
−1
−2

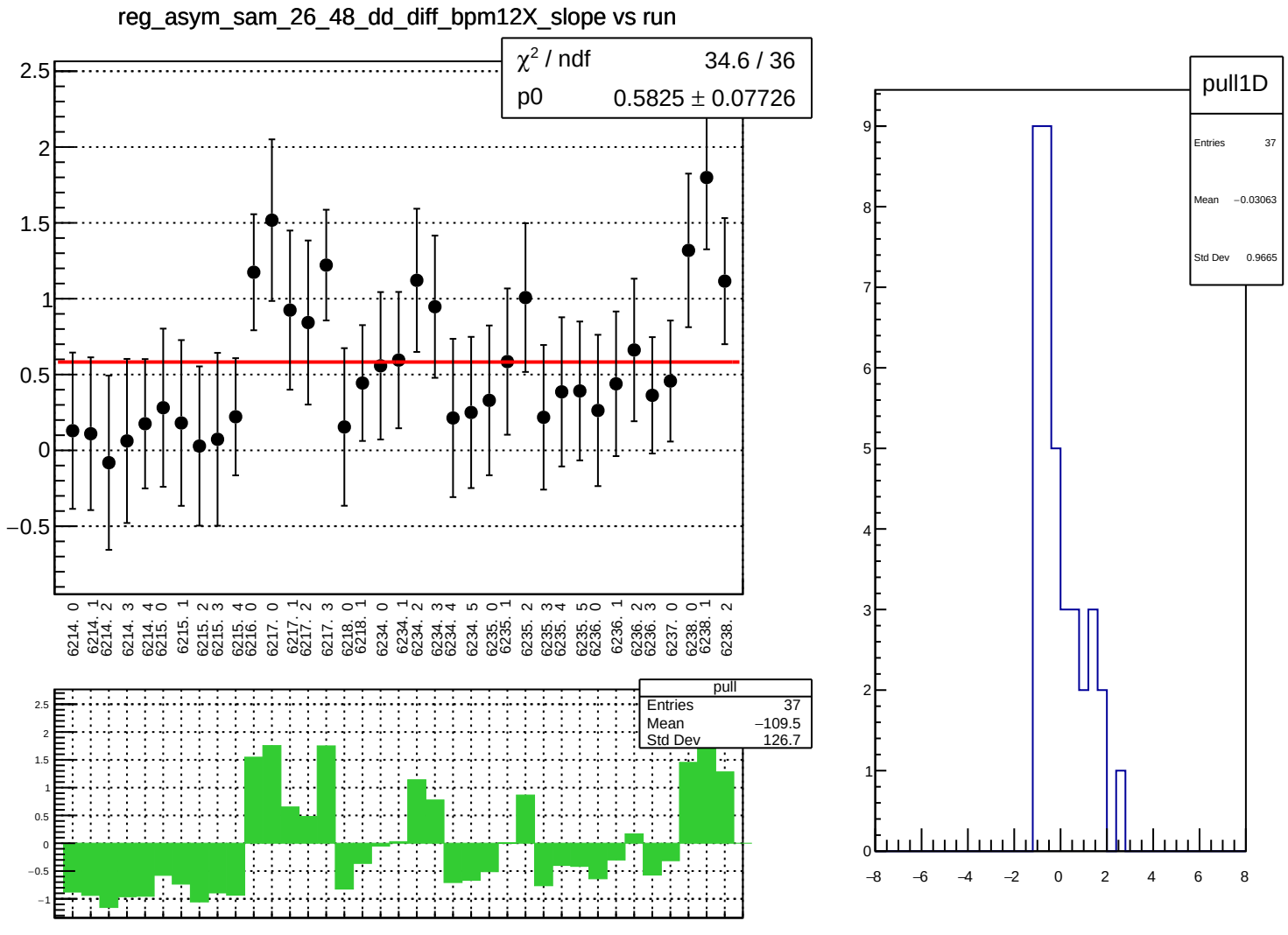

pull1D
Entries 37
Mean −0.2169
Std Dev 1.734
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

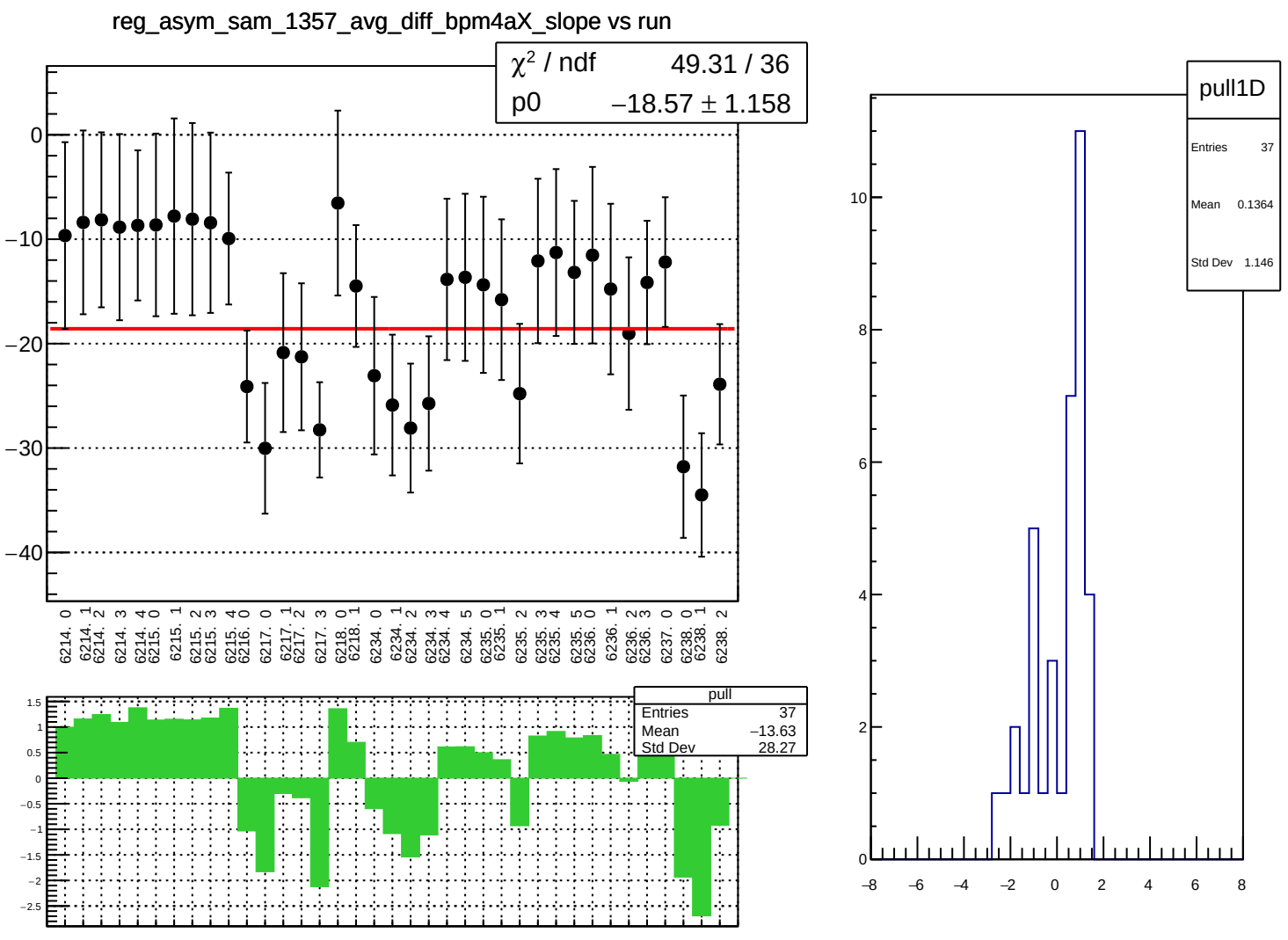

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 94.73 / 36
p0 10.91 ± 0.9598
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 105.7
Std Dev 88.66
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 37
Mean −0.05049
Std Dev 1.599
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

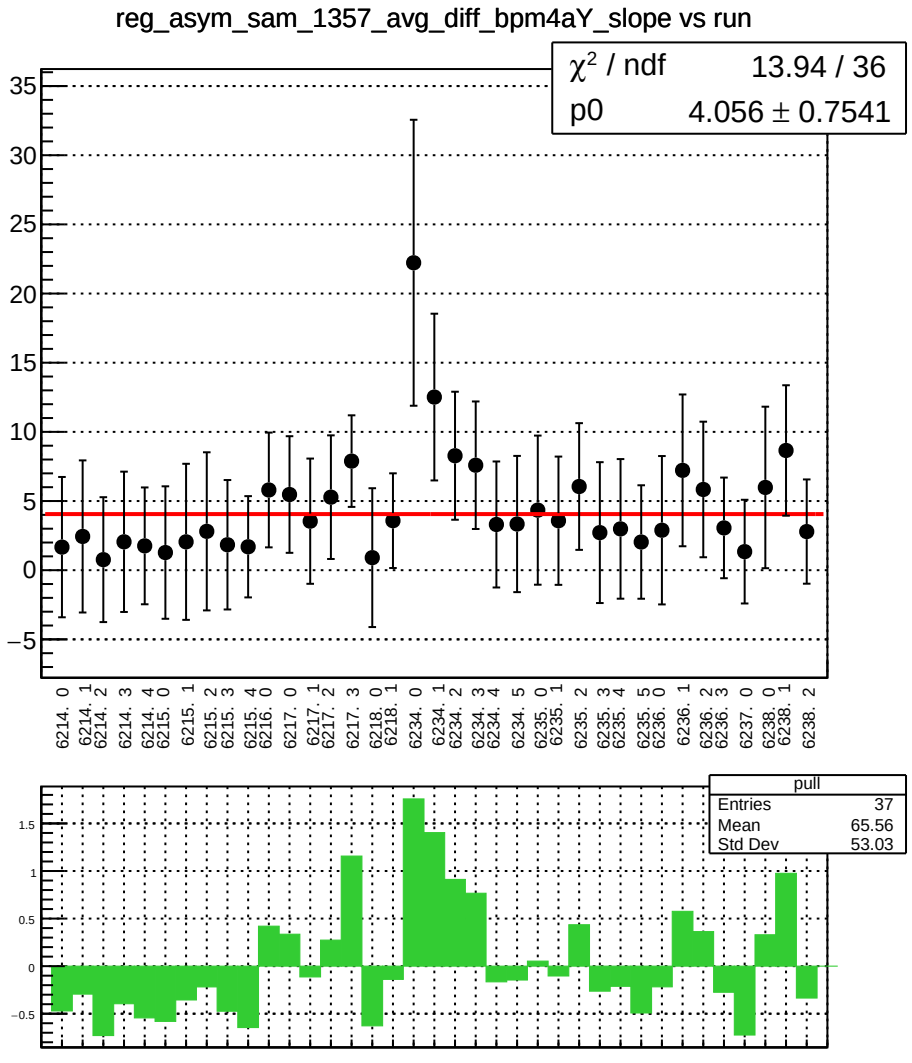

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.4 / 36
p0 4.356 ± 1.672
pull
Entries 37
Mean −9.413
Std Dev 22.45

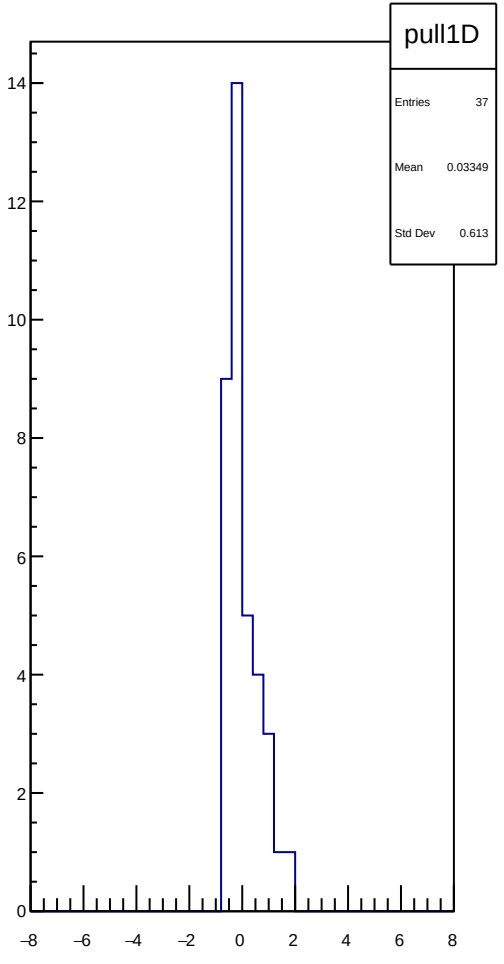

pull1D
Entries 37
Mean 0.2122
Std Dev 1.707

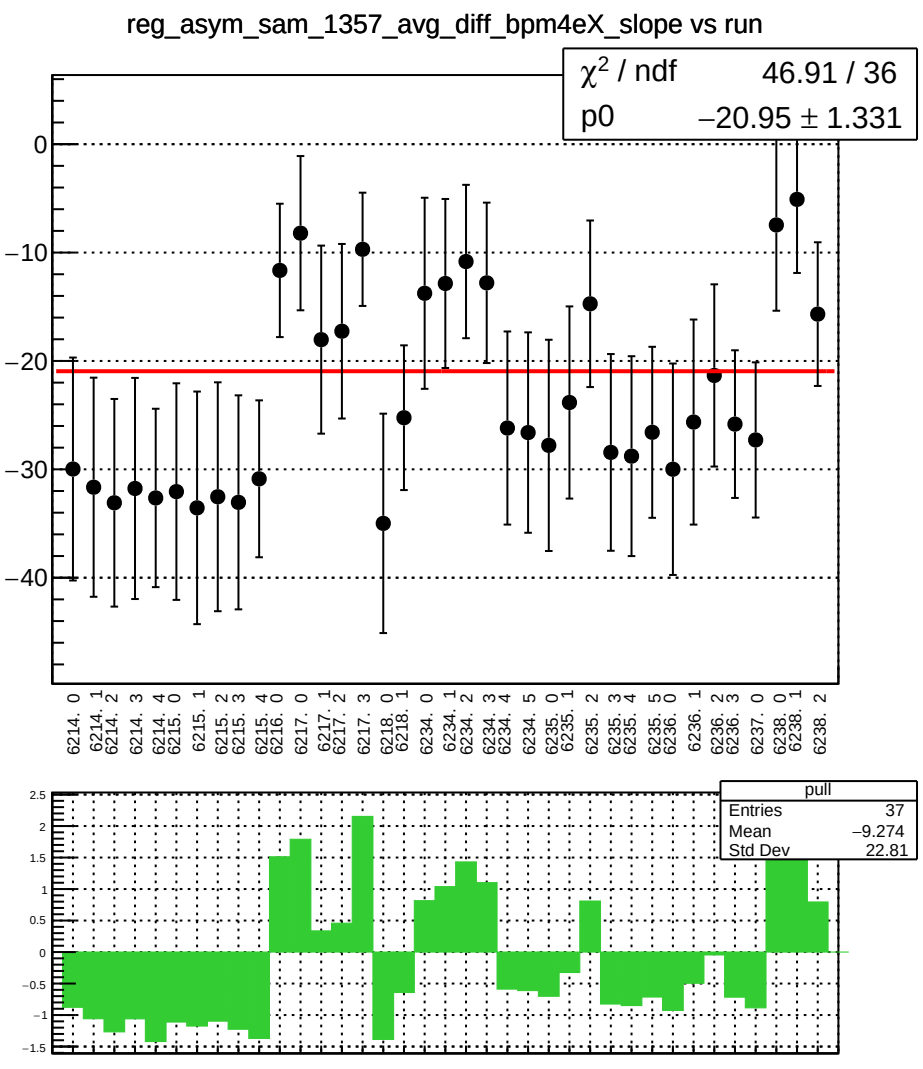

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.21 / 36
p0 −104 ± 1.043
−40
−60
−80
−100
−120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 190.2
Std Dev 174.8
pull1D
Entries 37
Mean 0.02001
Std Dev 1.57

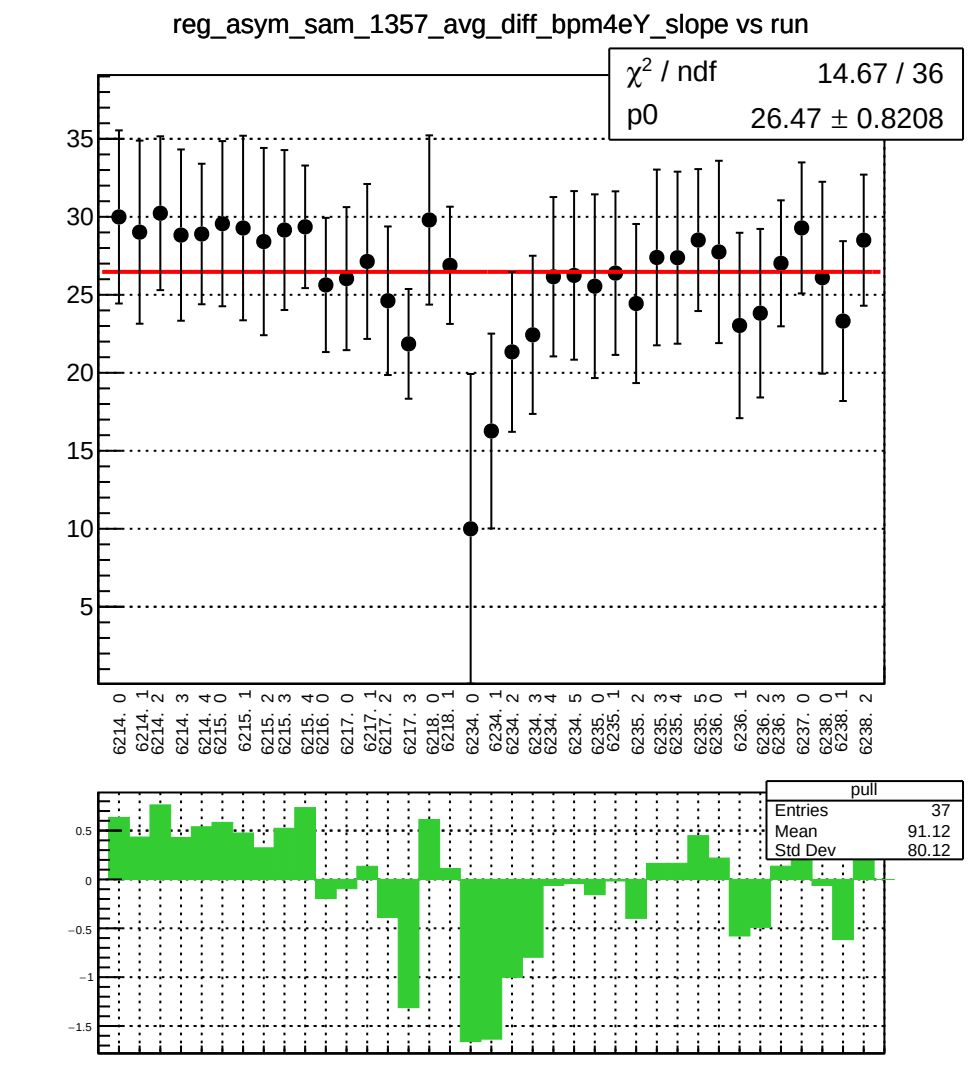

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.6 / 36
p0 0.5825 ± 0.07726
2.5
2
1.5
1
0.5
0
−0.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −109.5
Std Dev 126.7
pull1D
Entries 37
Mean −0.03063
Std Dev 0.9665
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

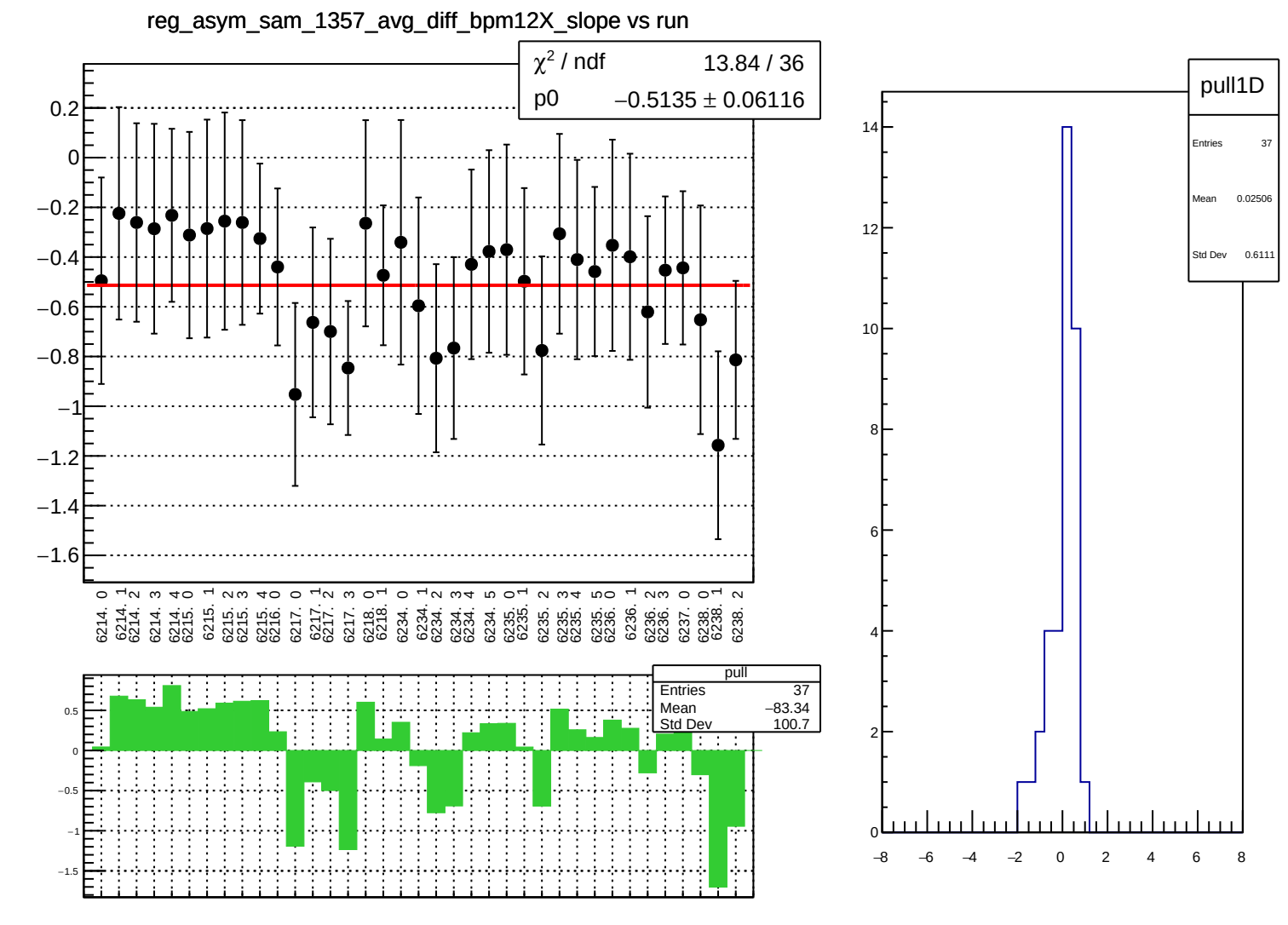

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 49.31 / 36
p0 −18.57 ± 1.158
0
−10
−20
−30
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −13.63
Std Dev 28.27
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.1364
Std Dev 1.146
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

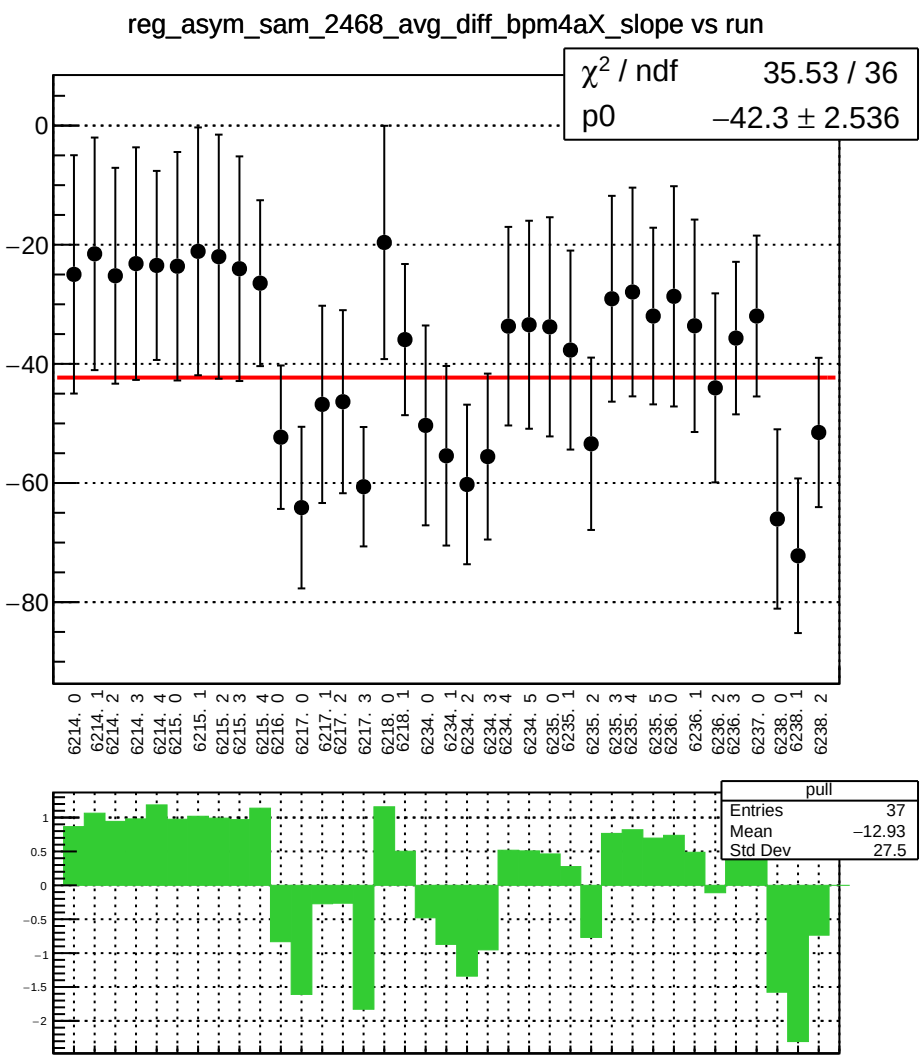

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.94 / 36
p0 4.056 ± 0.7541
pull
Entries 37
Mean 65.56
Std Dev 53.03

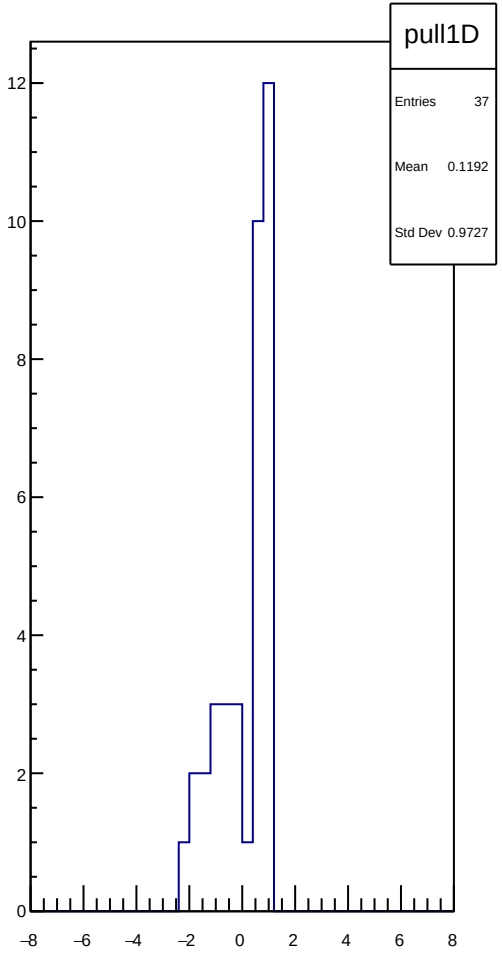

pull1D
Entries 37
Mean 0.03349
Std Dev 0.613

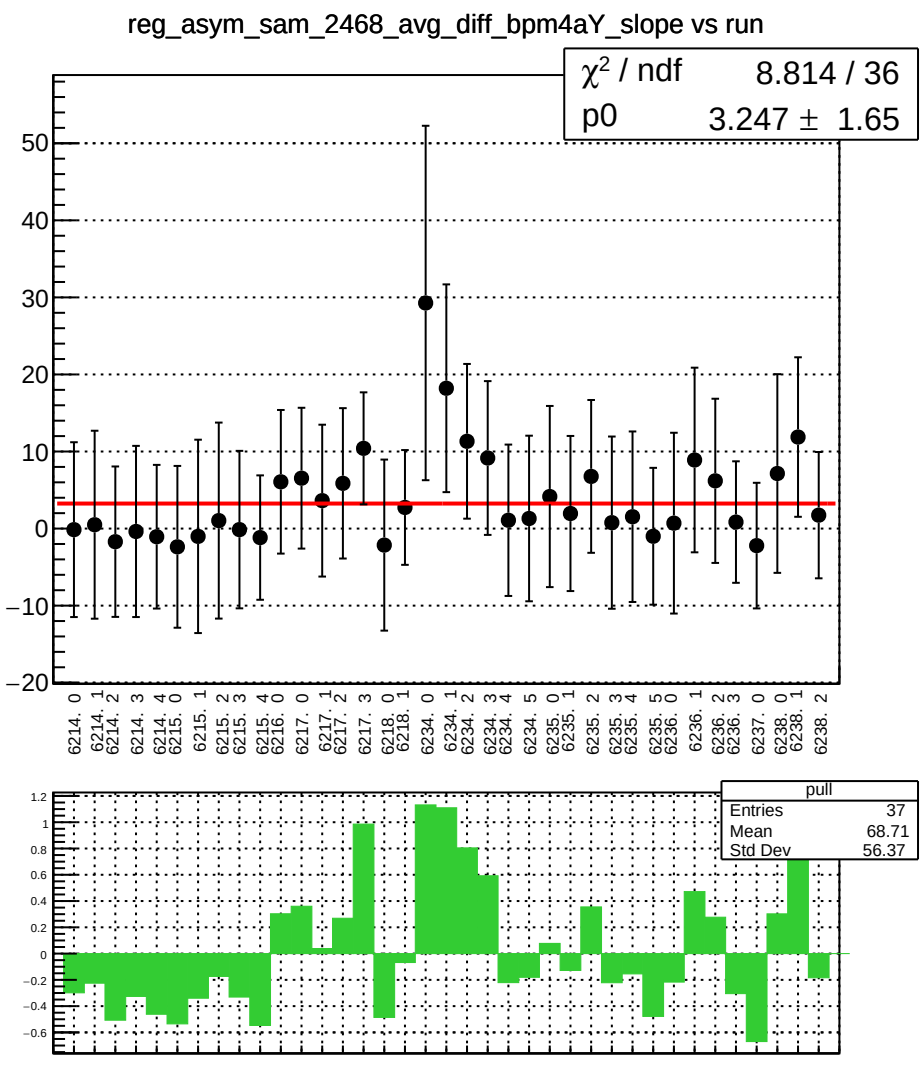

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.91 / 36
p0 −20.95 ± 1.331
0
−10
−20
−30
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.274
Std Dev 22.81
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1378
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

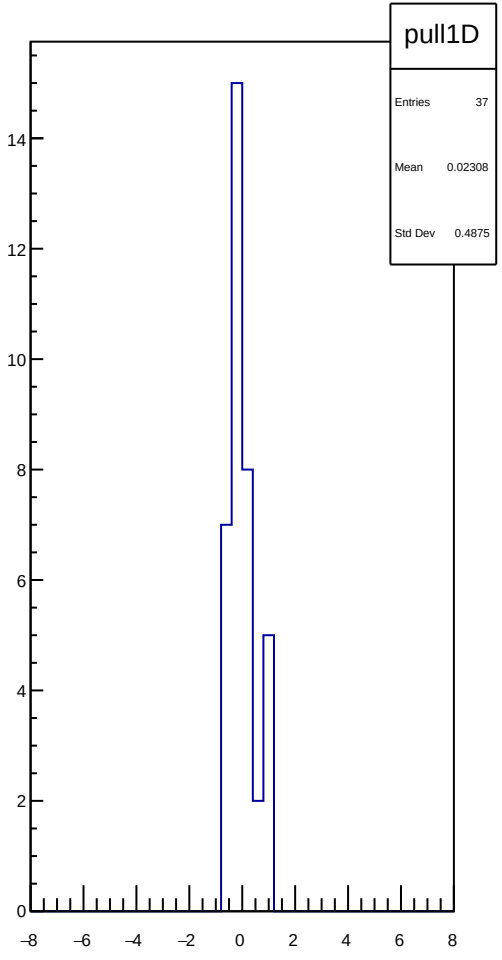

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.67 / 36
p0 26.47 ± 0.8208
35
30
25
20
15
10
5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 91.12
Std Dev 80.12
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.02474
Std Dev 0.6291
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

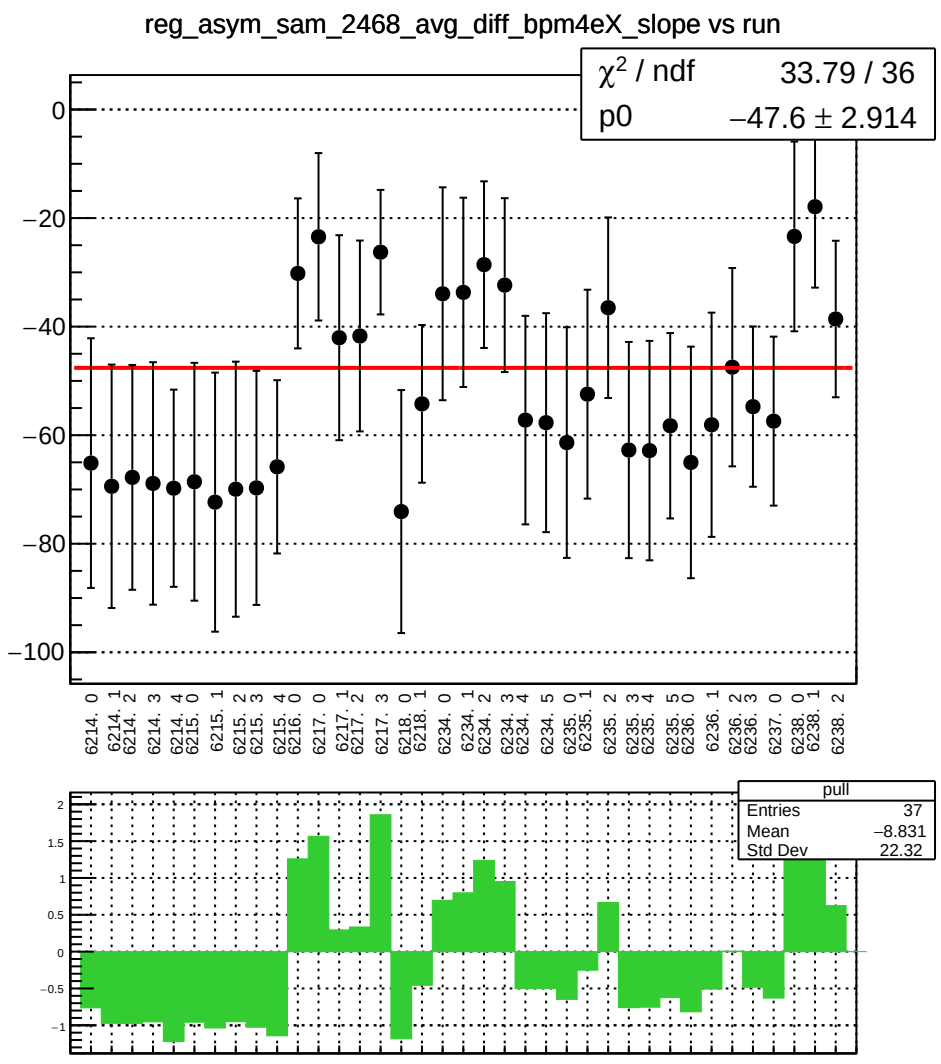

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 13.84 / 36
p0 −0.5135 ± 0.06116
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −83.34
Std Dev 100.7
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02506
Std Dev 0.6111
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

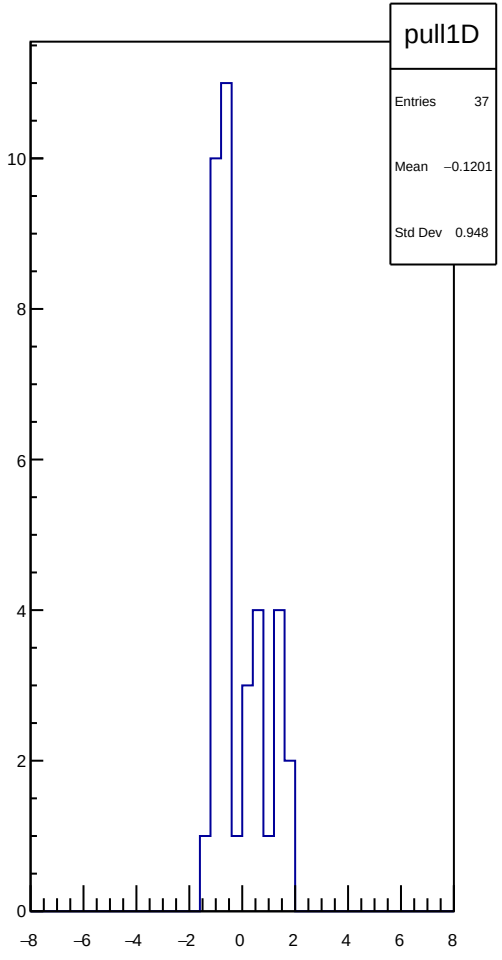

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 35.53 / 36
p0 −42.3 ± 2.536
0
−20
−40
−60
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −12.93
Std Dev 27.5
1
0.5
0
−0.5
−1
−1.5
−2

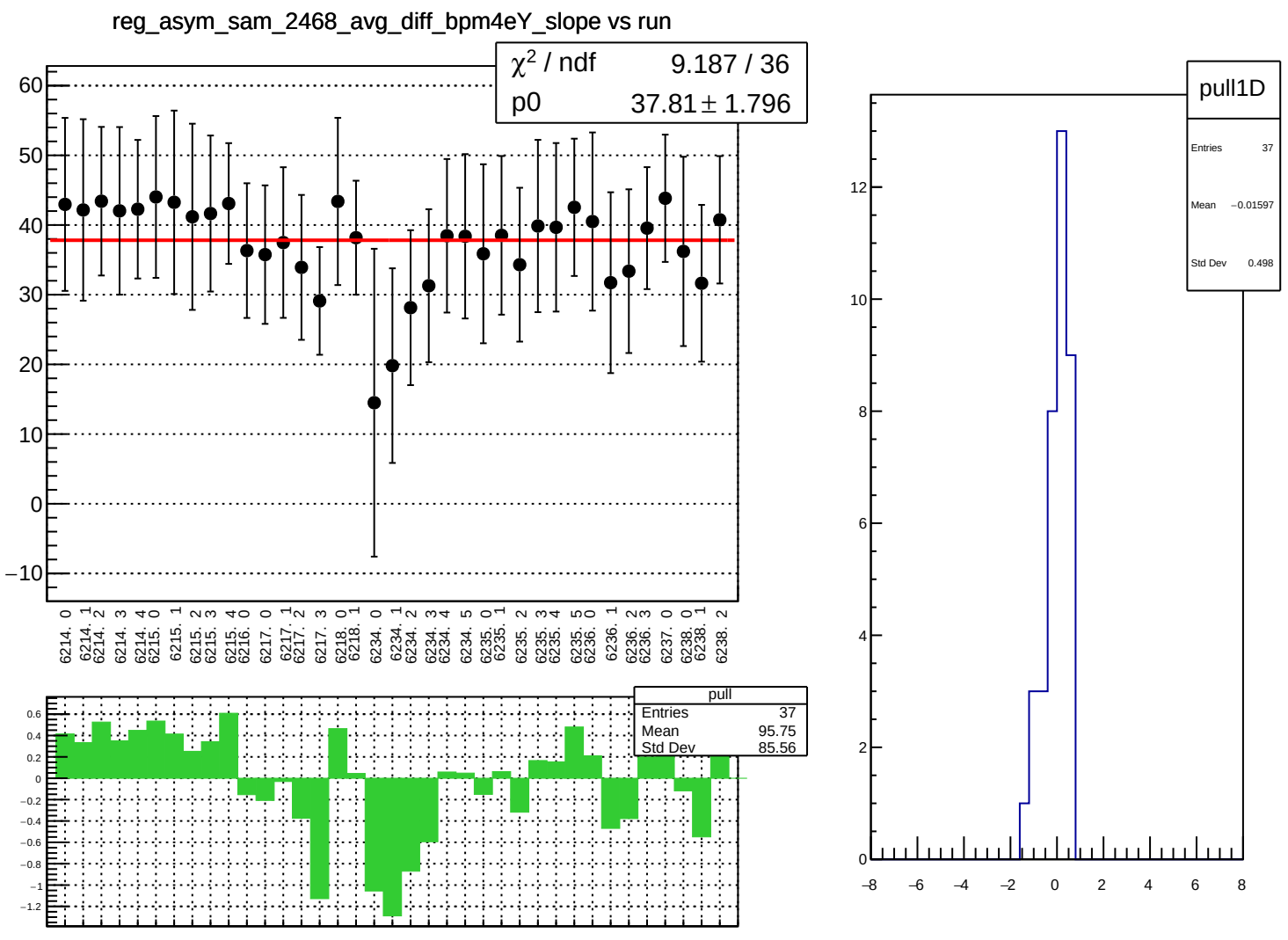

pull1D
Entries 37
Mean 0.1192
Std Dev 0.9727
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

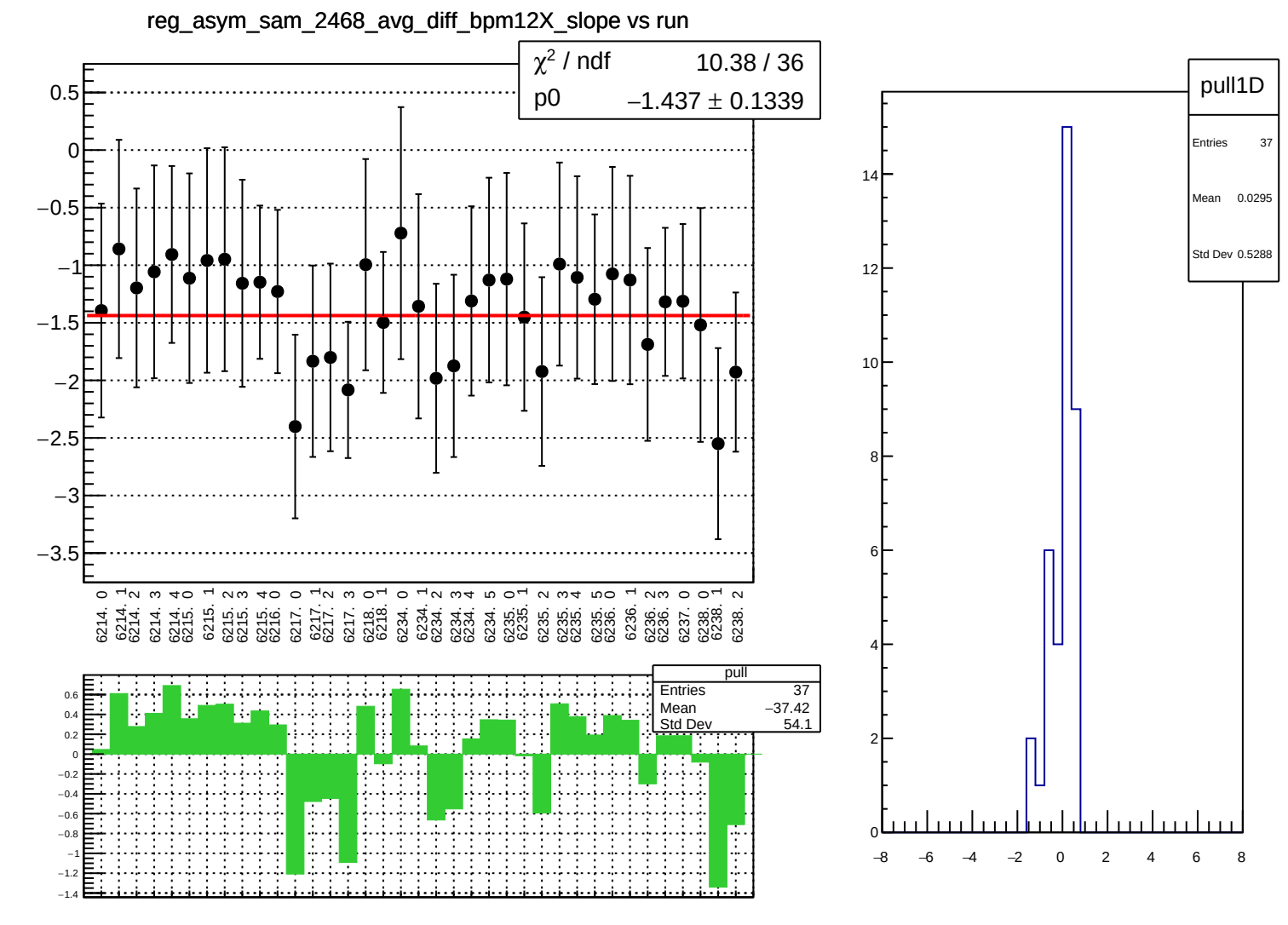

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.814 / 36
p0 3.247 ± 1.65
50
40
30
20
10
0
−10
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 68.71
Std Dev 56.37
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

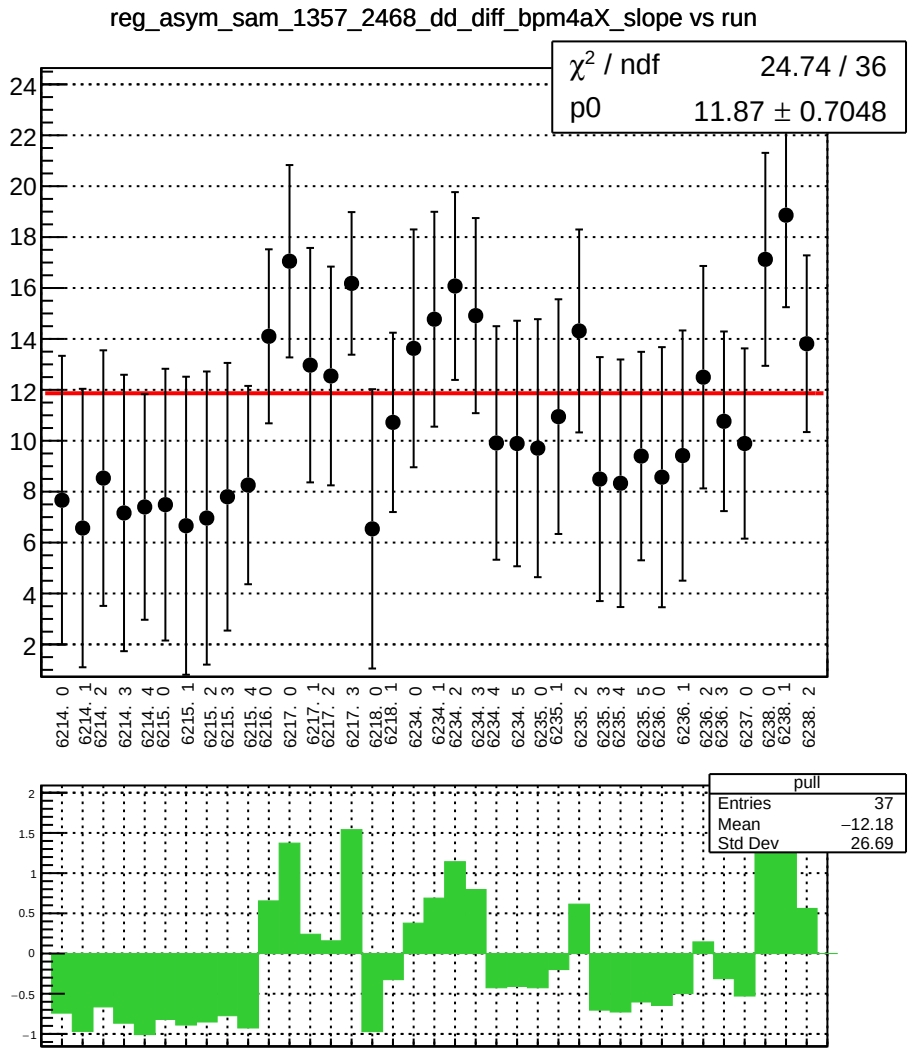

pull1D
Entries 37
Mean 0.02308
Std Dev 0.4875
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

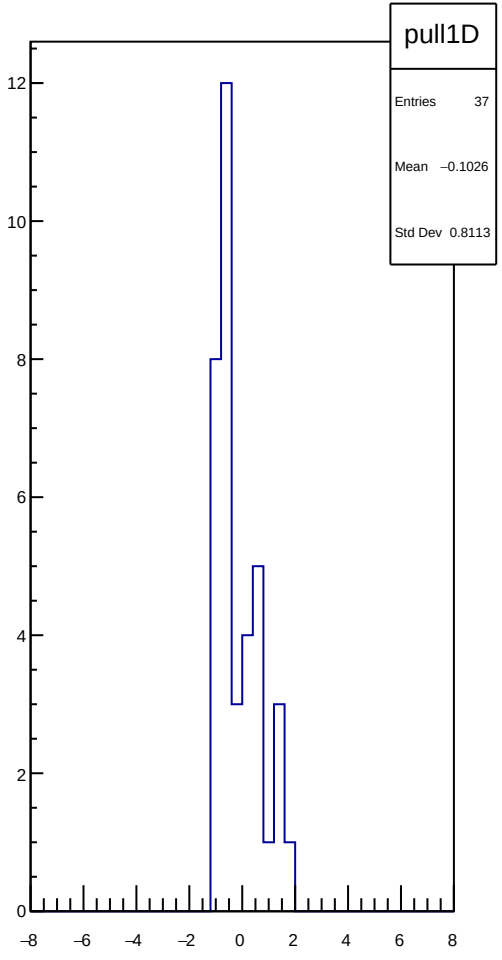

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.79 / 36
p0 −47.6 ± 2.914
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.831
Std Dev 22.32
2
1.5
1
0.5
0
−0.5
−1

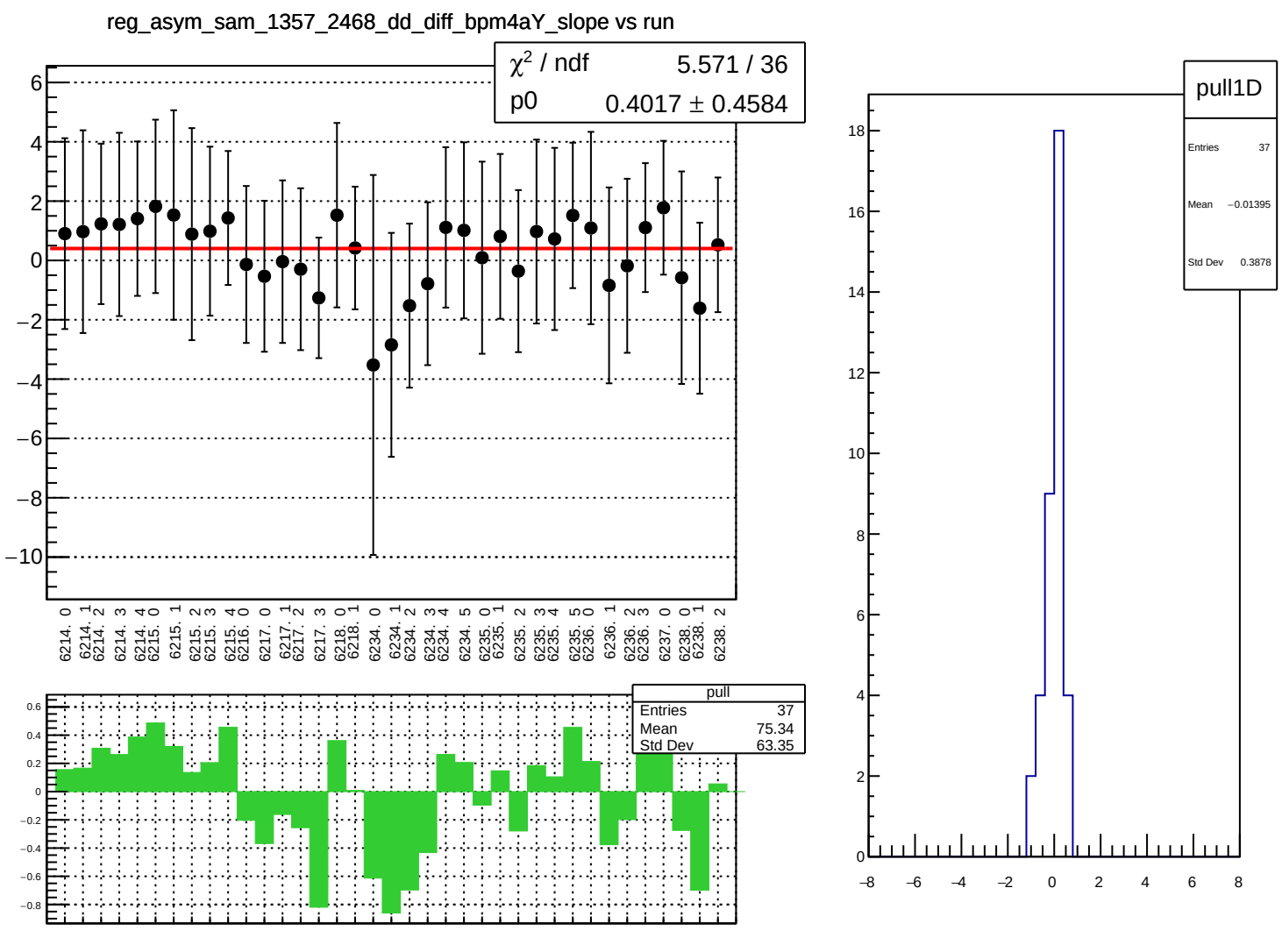

pull1D
Entries 37
Mean −0.1201
Std Dev 0.948
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

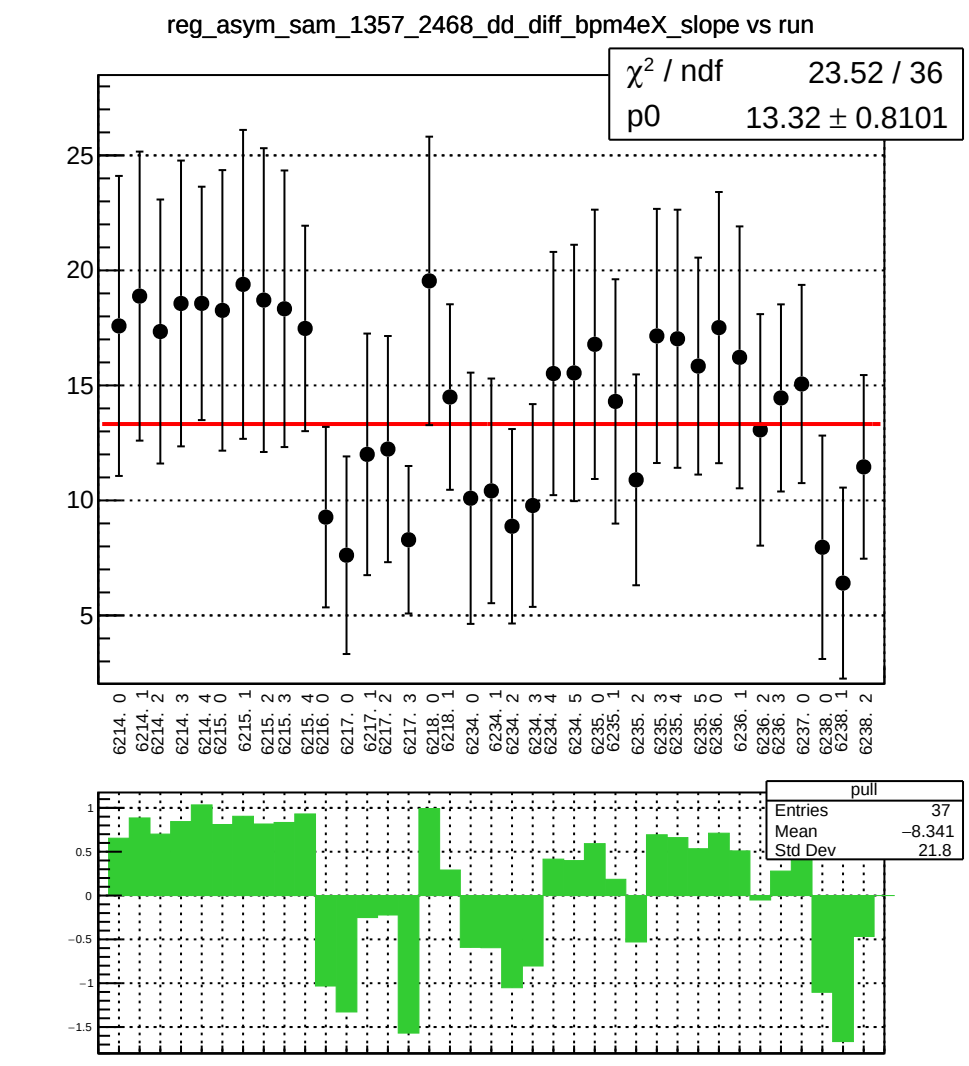

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.187 / 36
p0 37.81 ± 1.796
60
50
40
30
20
10
0
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 95.75
Std Dev 85.56
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 37
Mean −0.01597
Std Dev 0.498
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

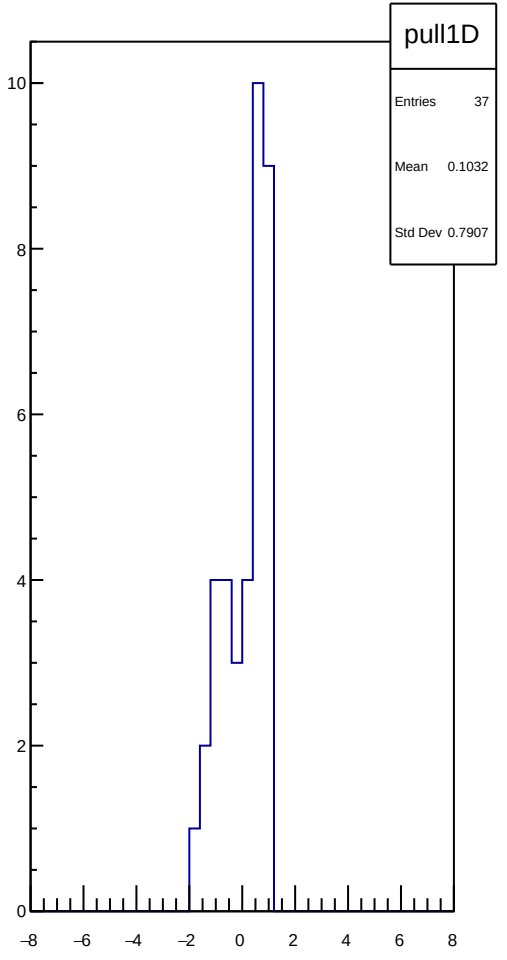

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 10.38 / 36
p0 −1.437 ± 0.1339
pull
Entries 37
Mean −37.42
Std Dev 54.1
pull1D
Entries 37
Mean 0.0295
Std Dev 0.5288

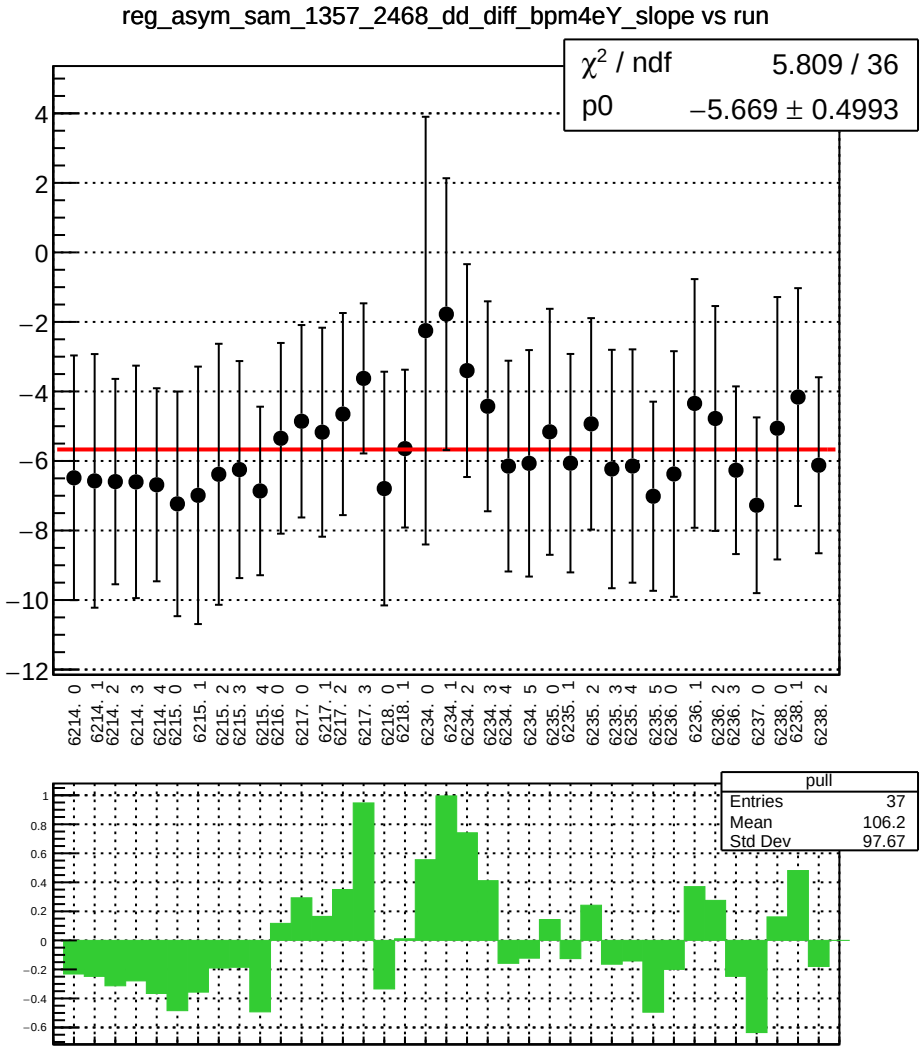

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.74 / 36
p0 11.87 ± 0.7048
pull
Entries 37
Mean −12.18
Std Dev 26.69

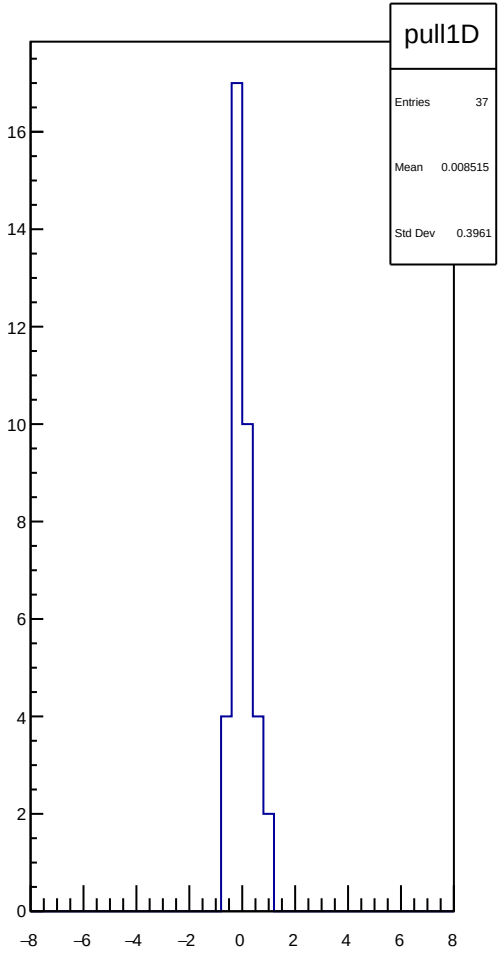

pull1D
Entries 37
Mean −0.1026
Std Dev 0.8113

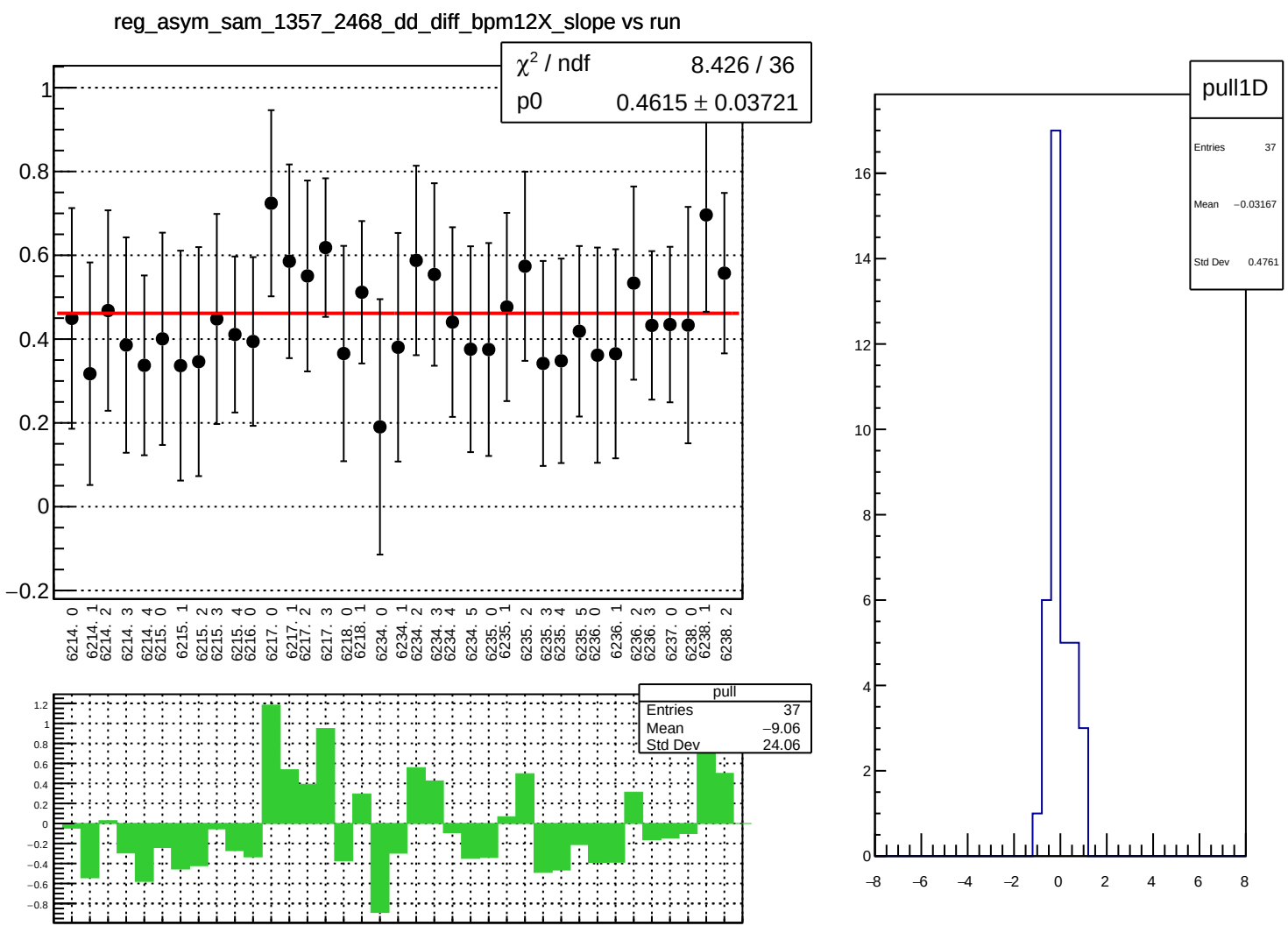

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.571 / 36
p0 0.4017 ± 0.4584
6
4
2
0
−2
−4
−6
−8
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 75.34
Std Dev 63.35
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.01395
Std Dev 0.3878
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

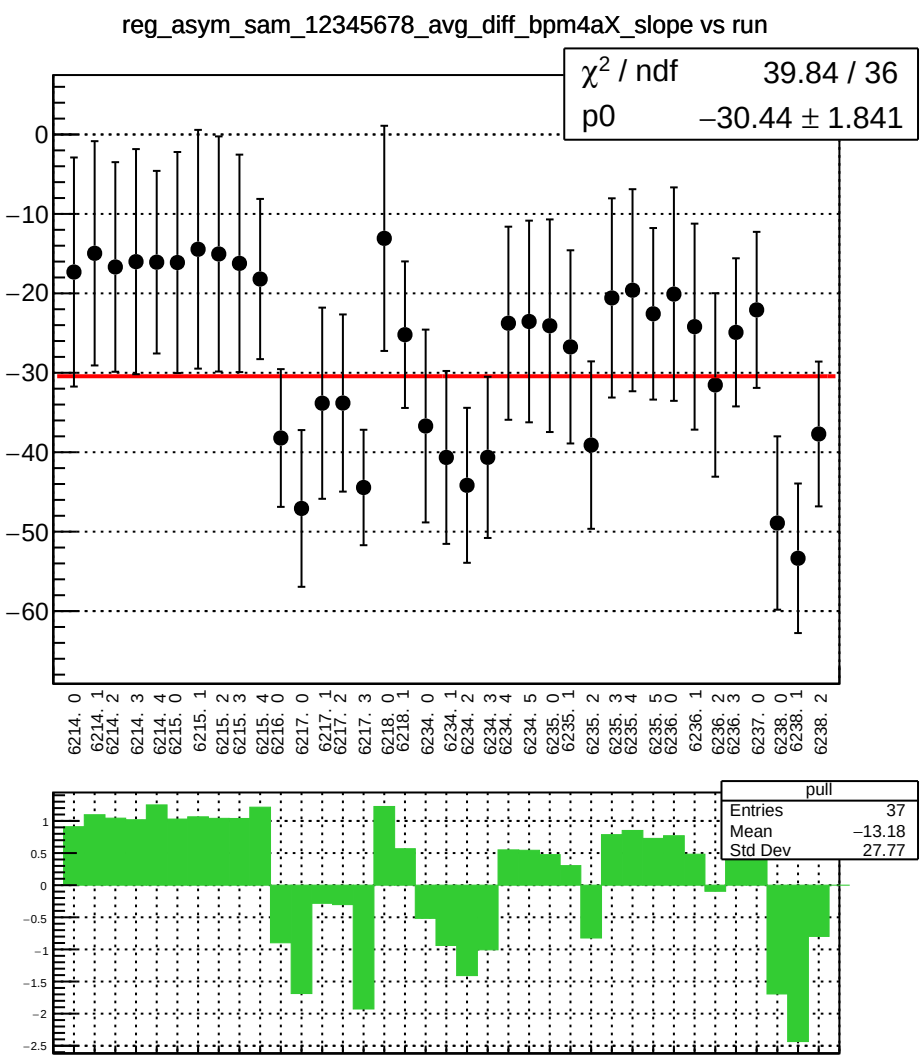

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.52 / 36
p0 13.32 ± 0.8101
25
20
15
10
5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.341
Std Dev 21.8
1
0.5
0
−0.5
−1
−1.5

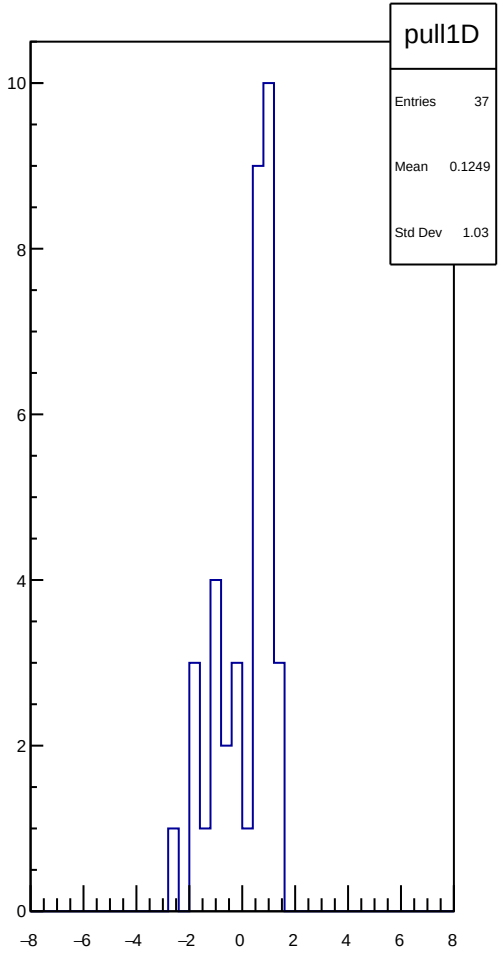

pull1D
Entries 37
Mean 0.1032
Std Dev 0.7907
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

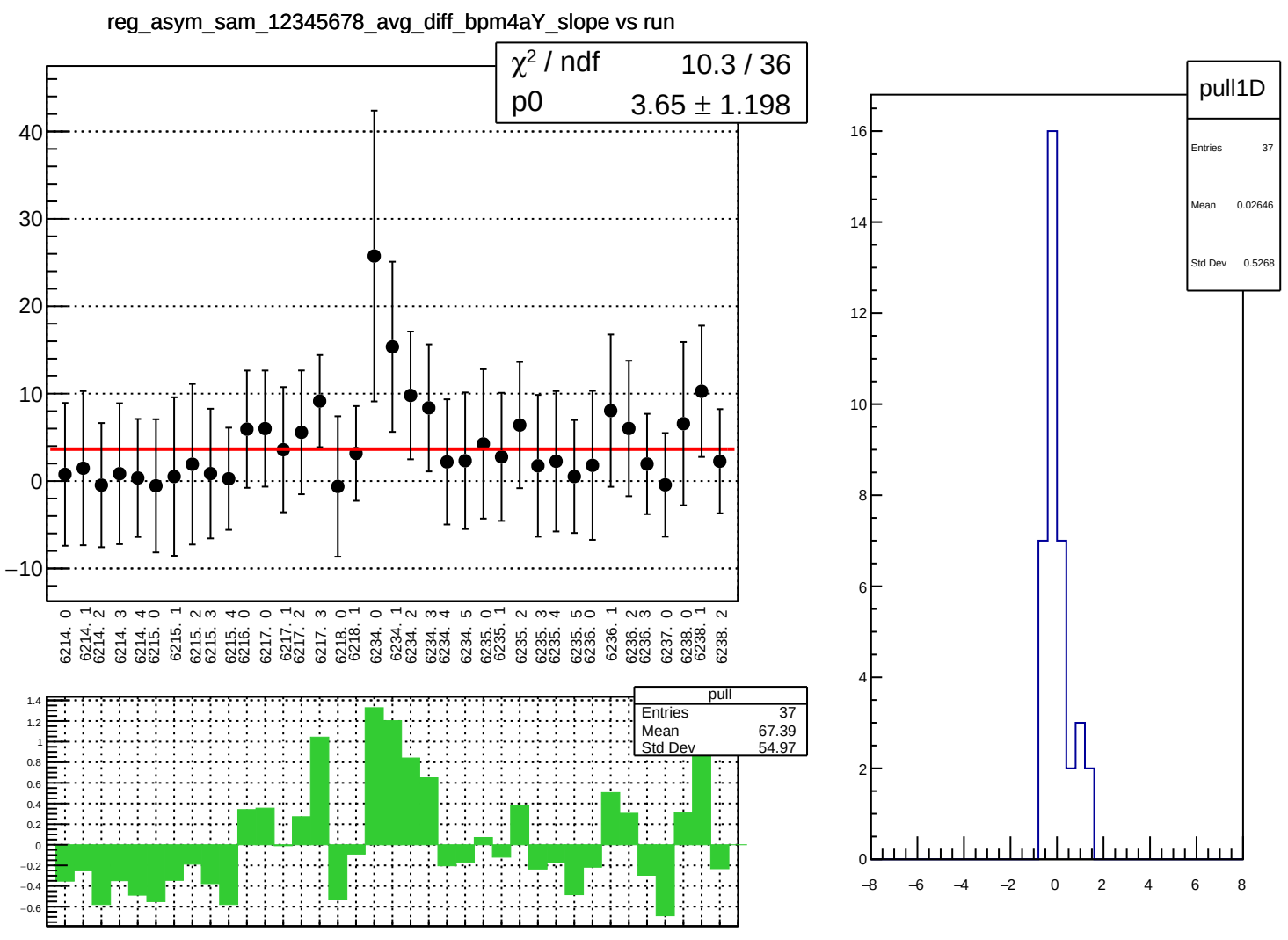

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.809 / 36
p0 −5.669 ± 0.4993
pull
Entries 37
Mean 106.2
Std Dev 97.67

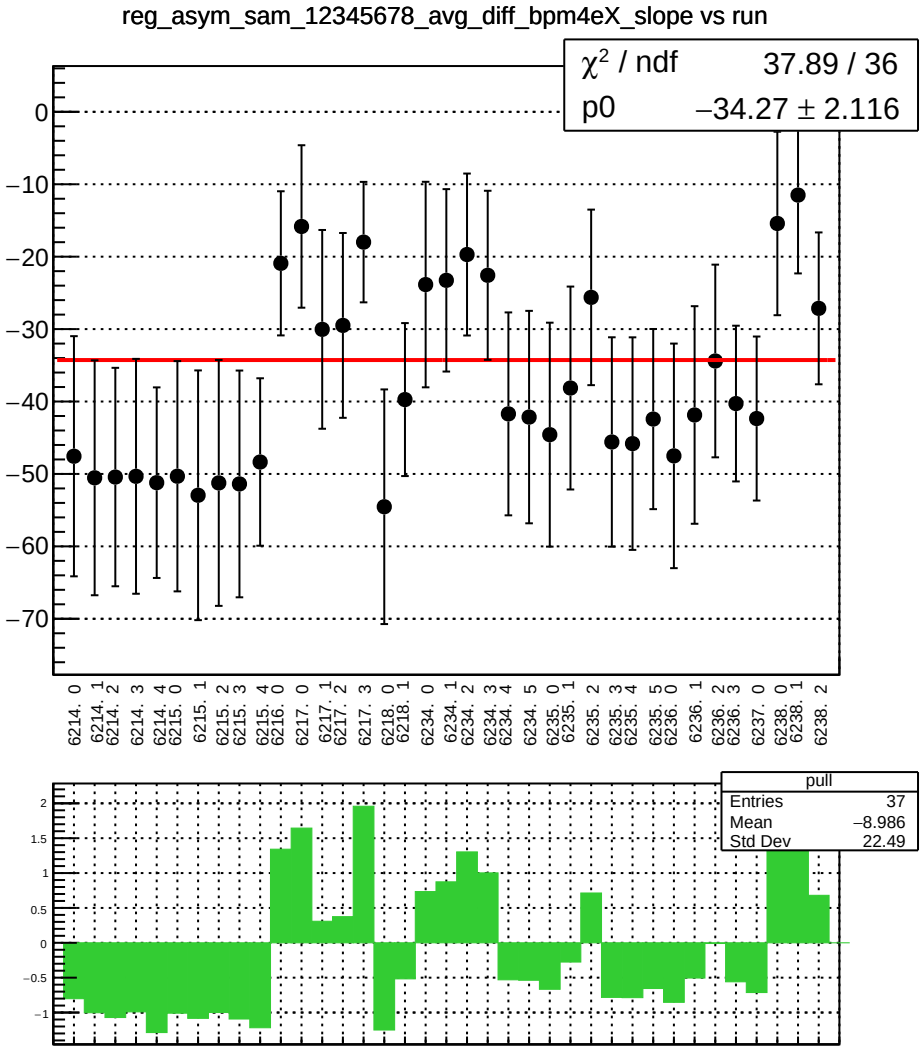

pull1D
Entries 37
Mean 0.008515
Std Dev 0.3961

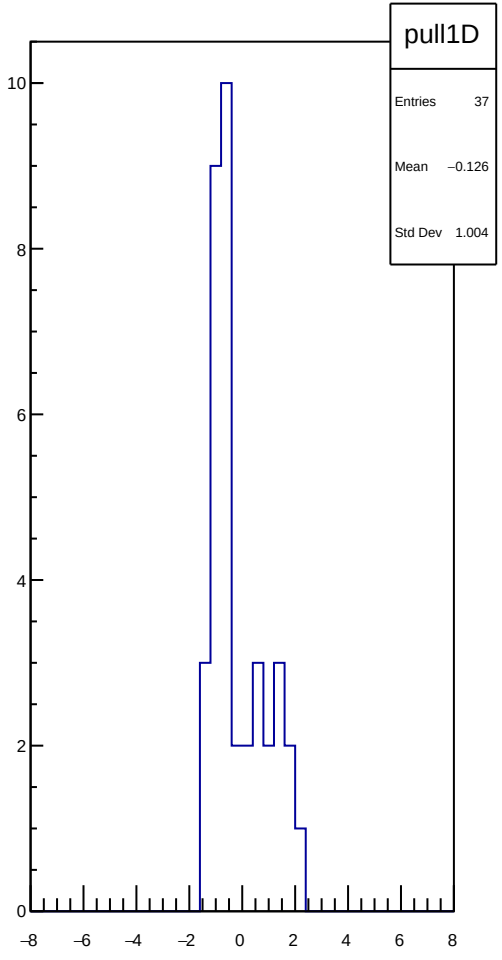

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 8.426 / 36
p0 0.4615 ± 0.03721
1
0.8
0.6
0.4
0.2
0
−0.2
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.06
Std Dev 24.06
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.03167
Std Dev 0.4761
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

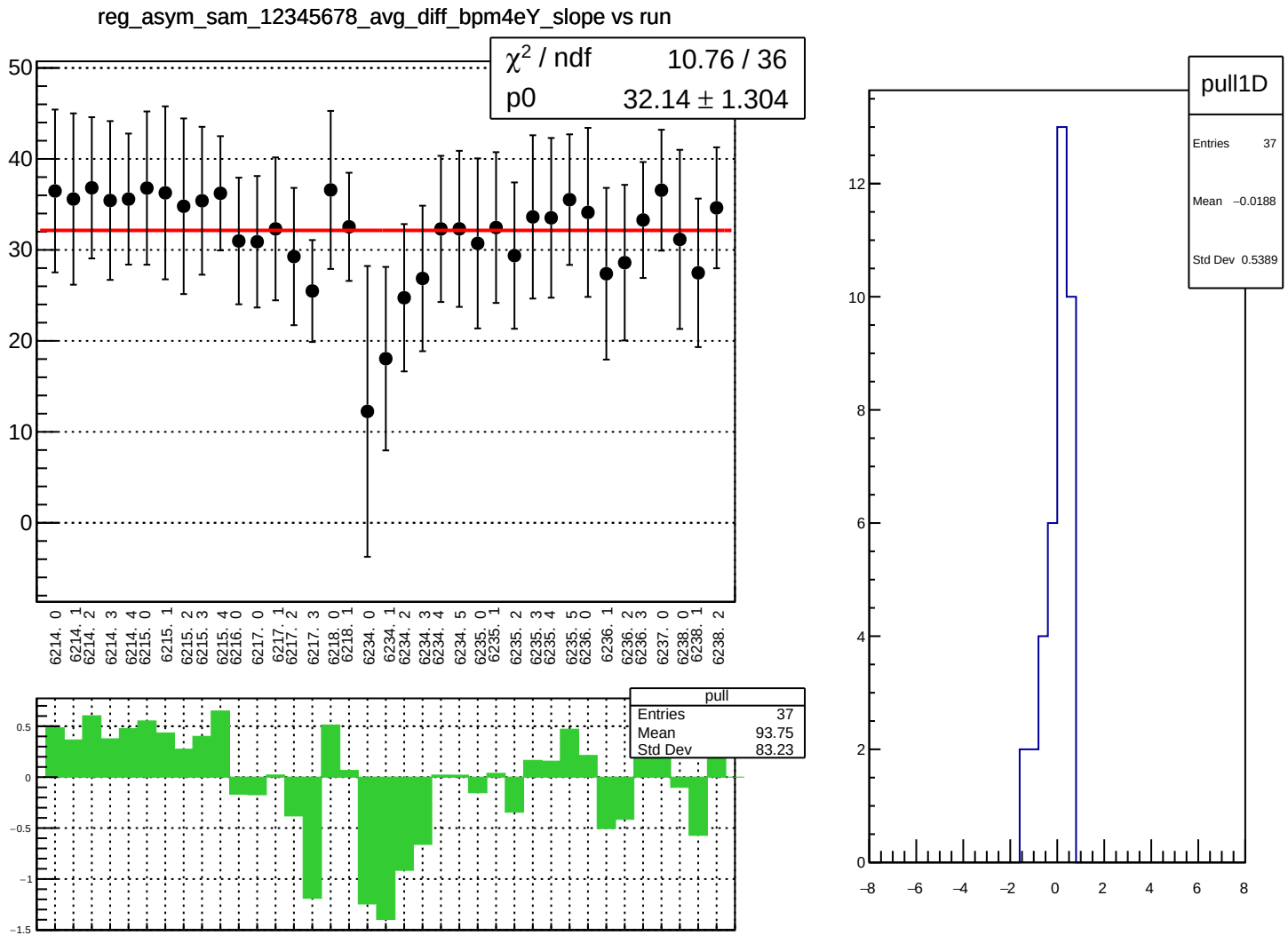

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 39.84 / 36
p0 −30.44 ± 1.841
0
−10
−20
−30
−40
−50
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −13.18
Std Dev 27.77
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

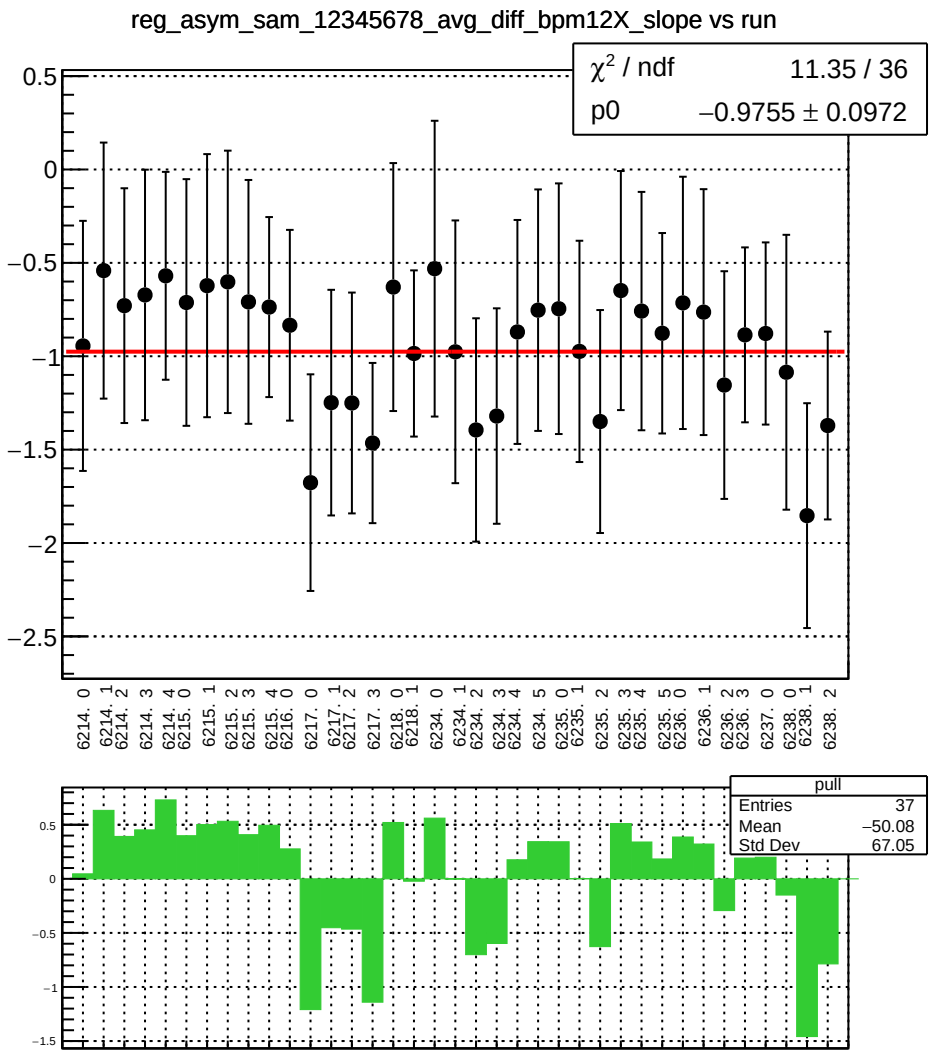

pull1D
Entries 37
Mean 0.1249
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

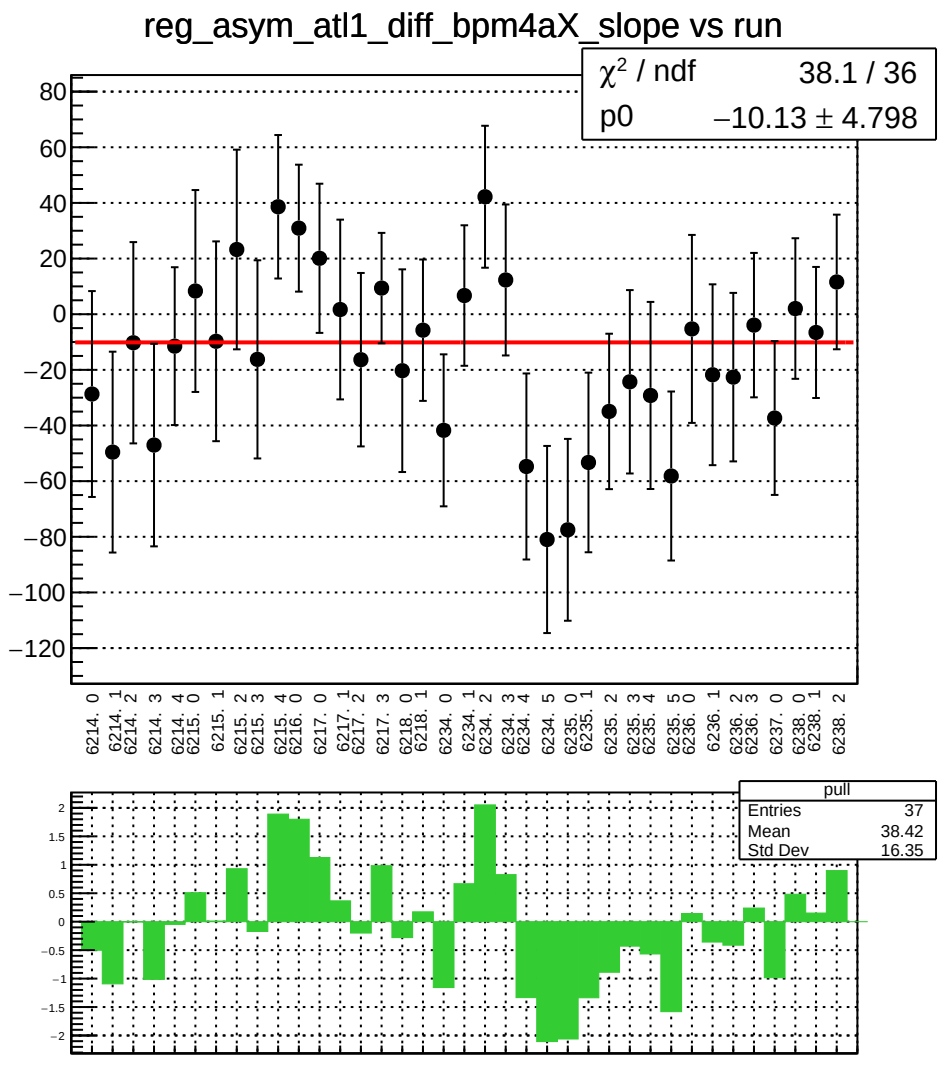

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.3 / 36
p0 3.65 ± 1.198
40
30
20
10
0
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 67.39
Std Dev 54.97
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean 0.02646
Std Dev 0.5268
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

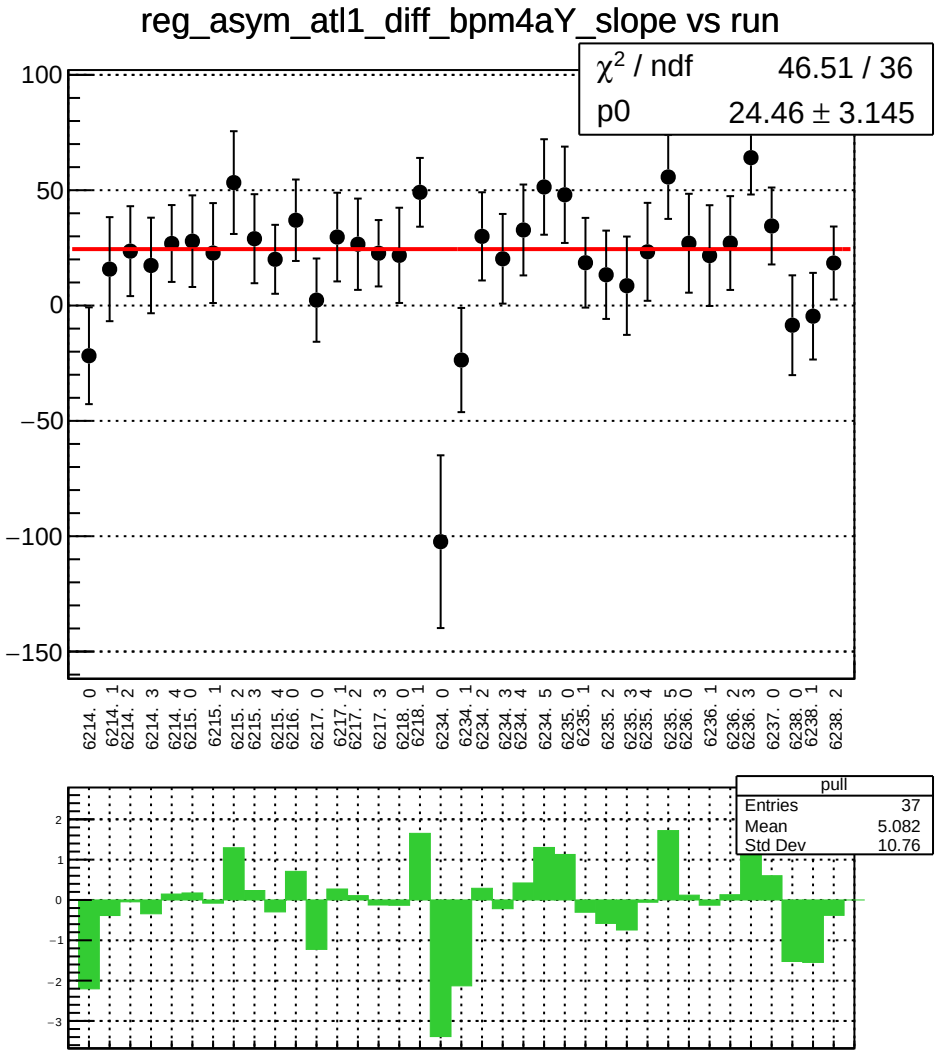

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.89 / 36
p0 −34.27 ± 2.116
0
−10
−20
−30
−40
−50
−60
−70
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.986
Std Dev 22.49
2
1.5
1
0.5
0
−0.5
−1

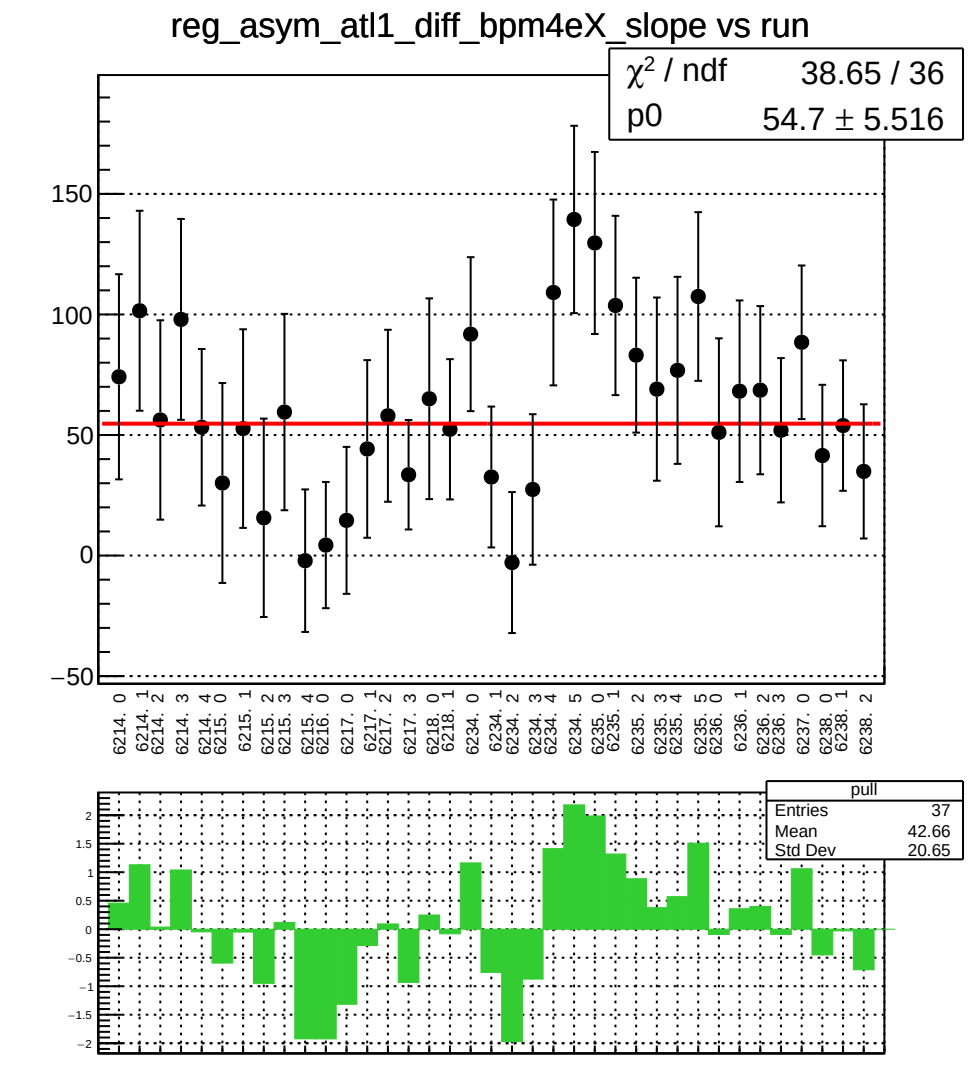

pull1D
Entries 37
Mean −0.126
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

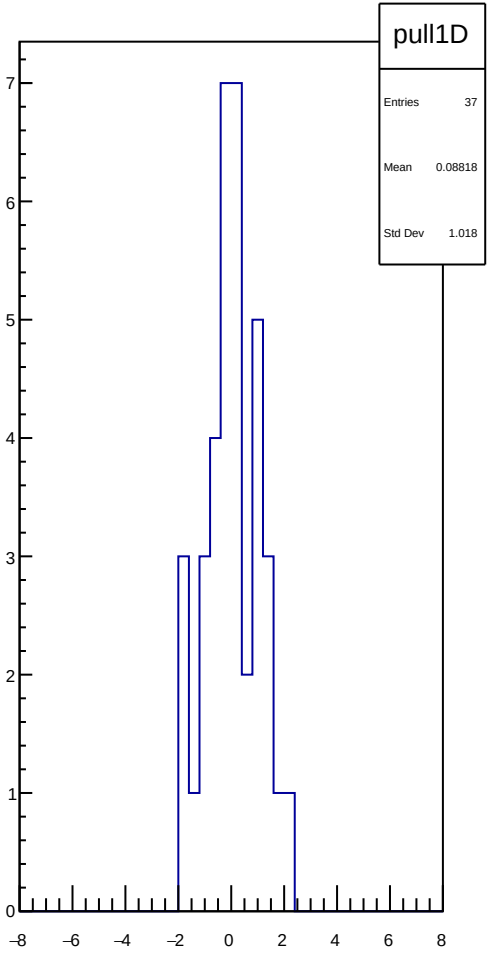

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.76 / 36
p0 32.14 ± 1.304
50
40
30
20
10
0
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 93.75
Std Dev 83.23
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.0188
Std Dev 0.5389
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

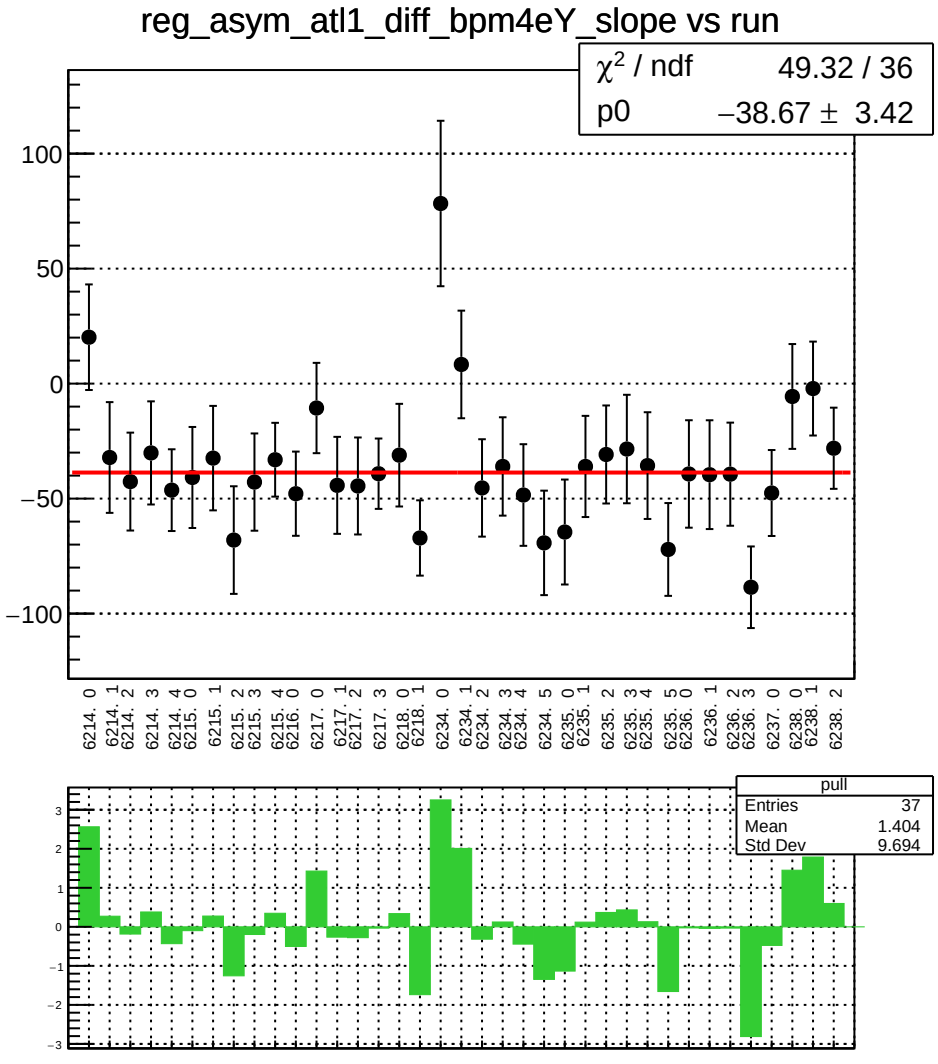

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 11.35 / 36
p0 −0.9755 ± 0.0972
pull
Entries 37
Mean −50.08
Std Dev 67.05
pull1D
Entries 37
Mean 0.02827
Std Dev 0.5531

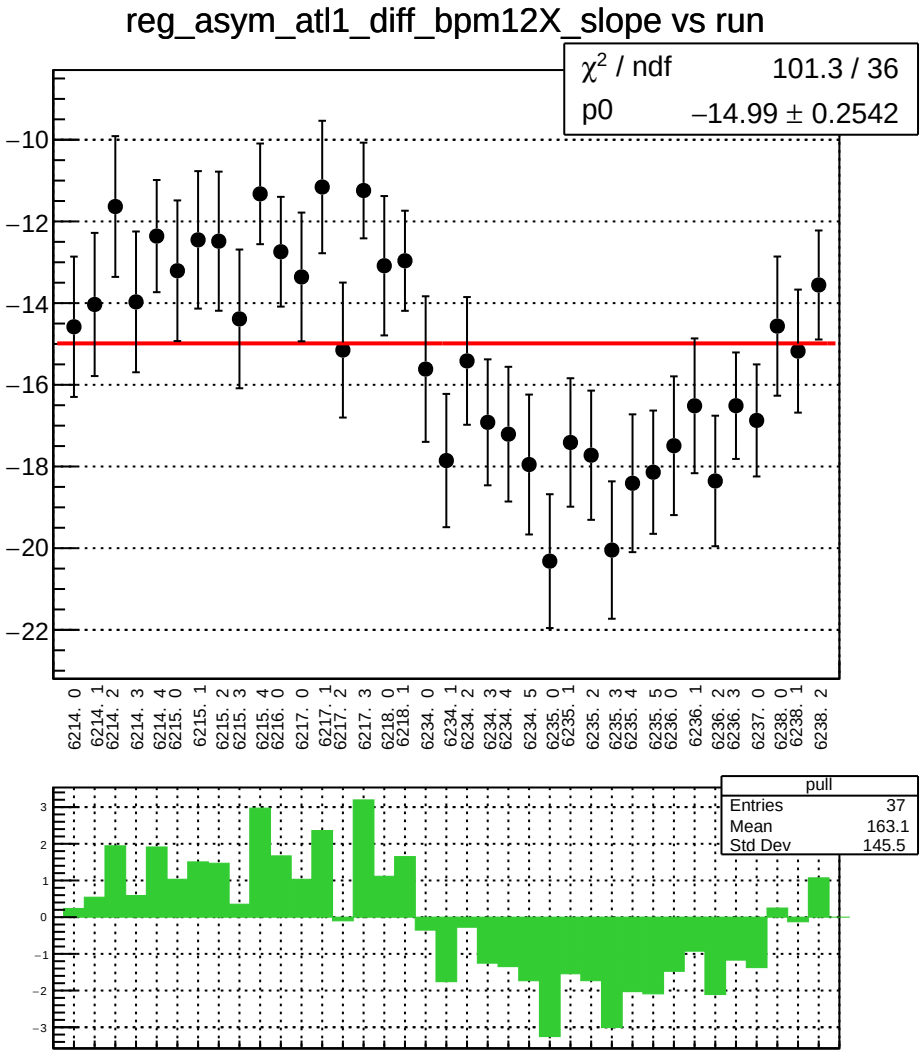

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 38.1 / 36
p0 −10.13 ± 4.798
80
60
40
20
0
−20
−40
−60
−80
−100
−120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 38.42
Std Dev 16.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.08845
Std Dev 1.011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

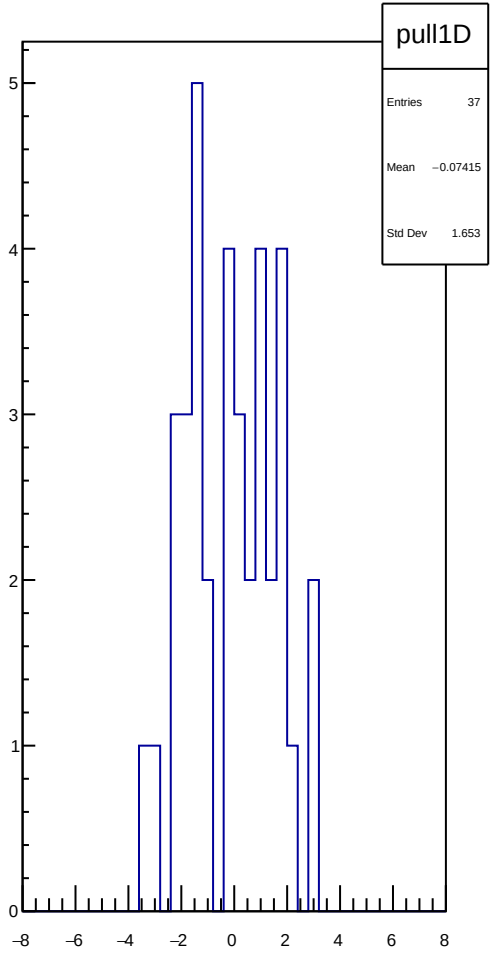

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 46.51 / 36
p0 24.46 ± 3.145
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 5.082
Std Dev 10.76
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.08248
Std Dev 1.118
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

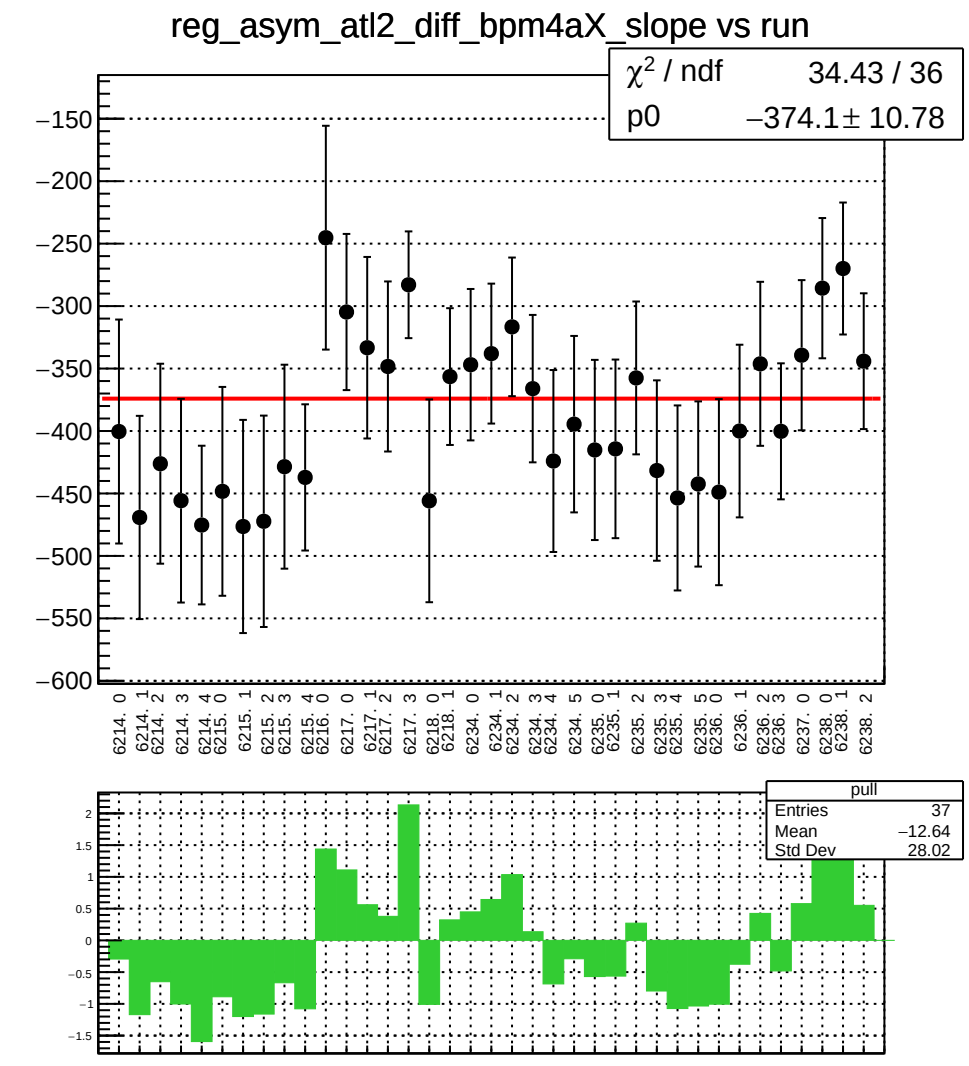

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 38.65 / 36
p0 54.7 ± 5.516
150
100
50
0
−50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 42.66
Std Dev 20.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

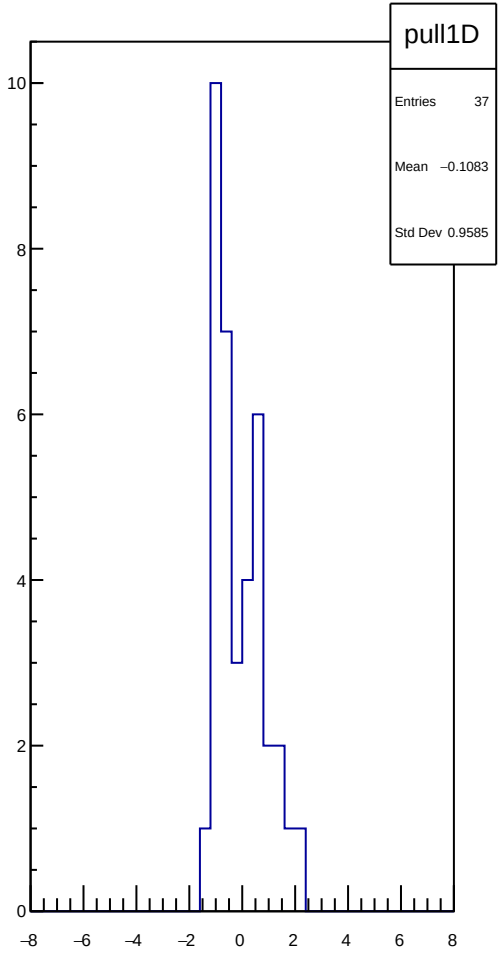

pull1D
Entries 37
Mean 0.08818
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

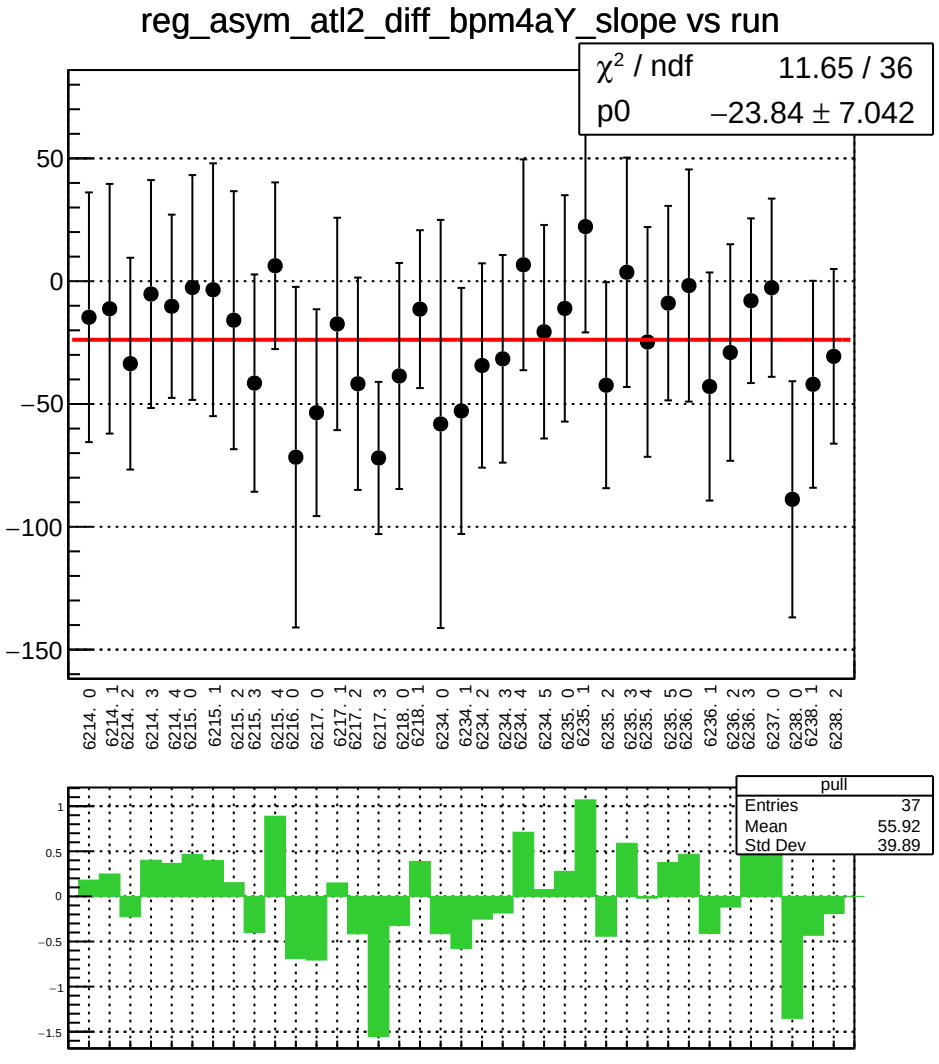

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.32 / 36
p0 −38.67 ± 3.42
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 1.404
Std Dev 9.694
3
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.07101
Std Dev 1.152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

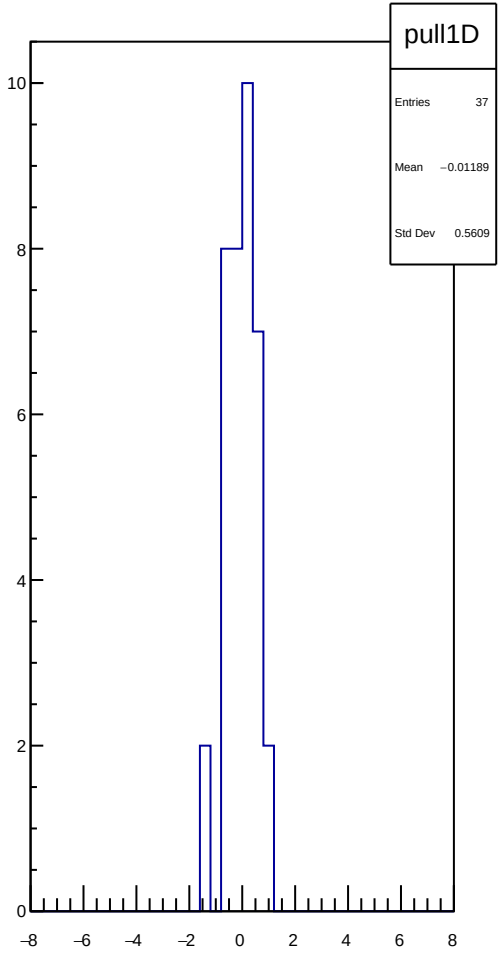

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 101.3 / 36
p0 −14.99 ± 0.2542
−10
−12
−14
−16
−18
−20
−22
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 163.1
Std Dev 145.5
3
2
1
0
−1
−2
−3

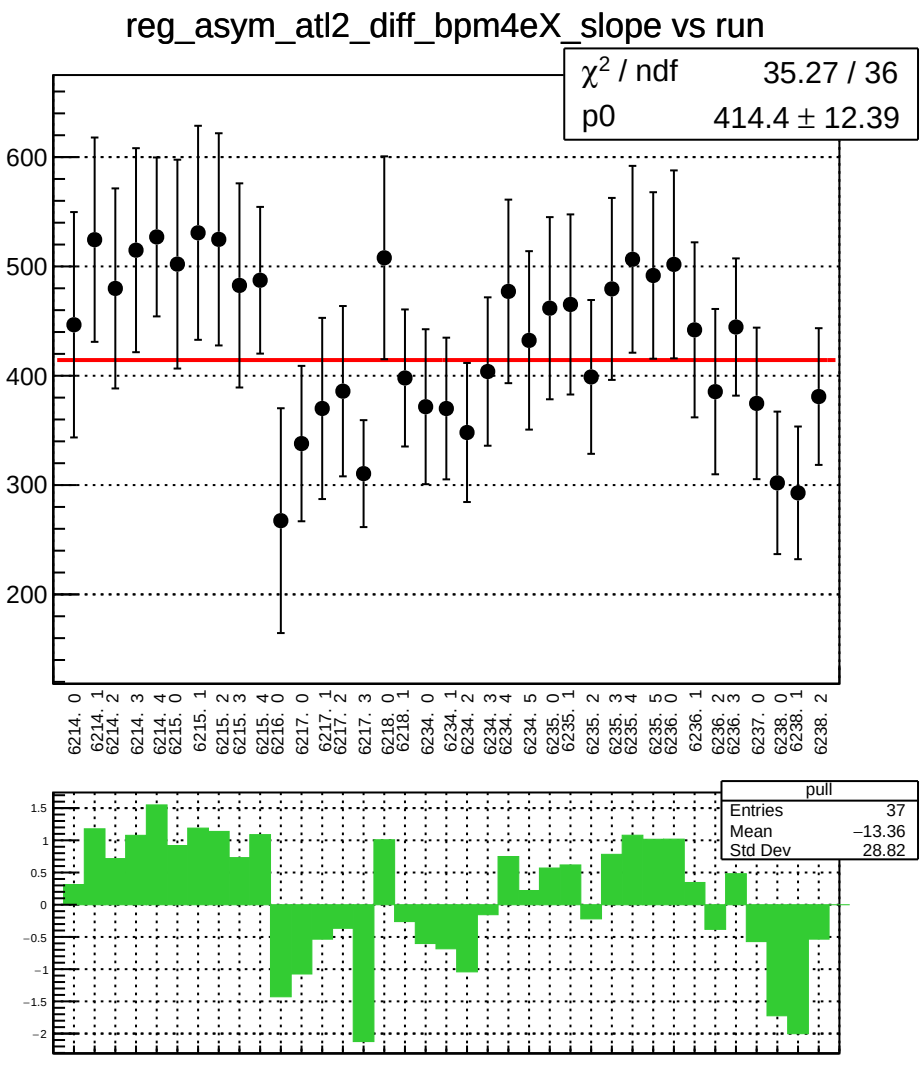

pull1D
Entries 37
Mean −0.07415
Std Dev 1.653
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

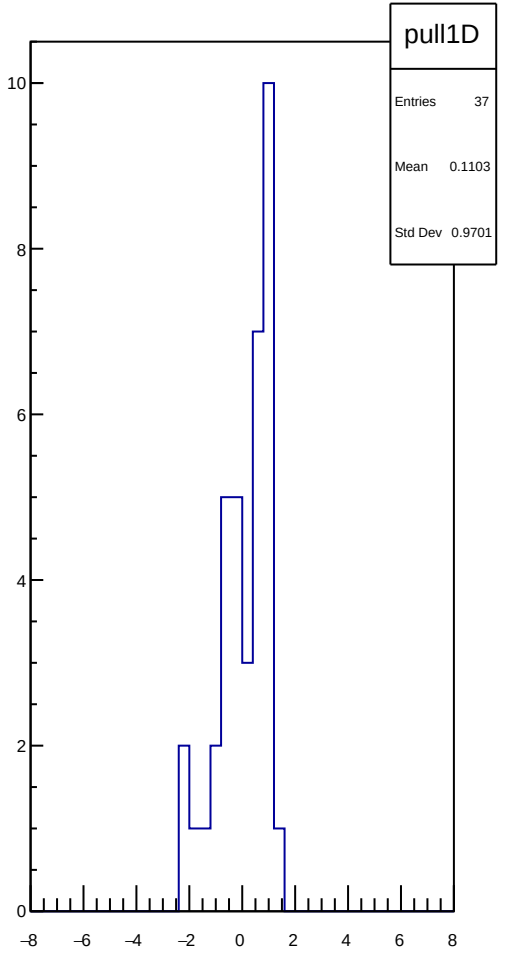

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 34.43 / 36
p0 −374.1± 10.78
pull
Entries 37
Mean −12.64
Std Dev 28.02

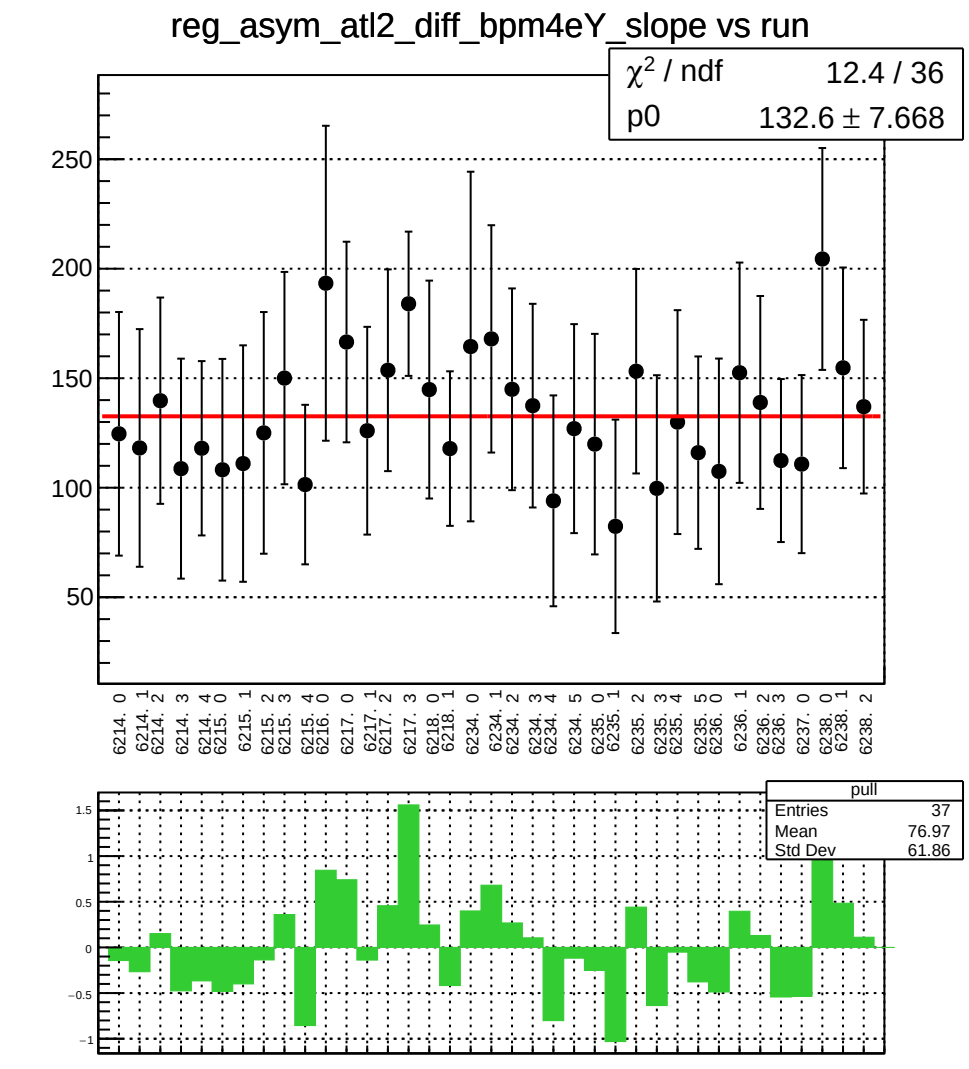

pull1D
Entries 37
Mean −0.1083
Std Dev 0.9585

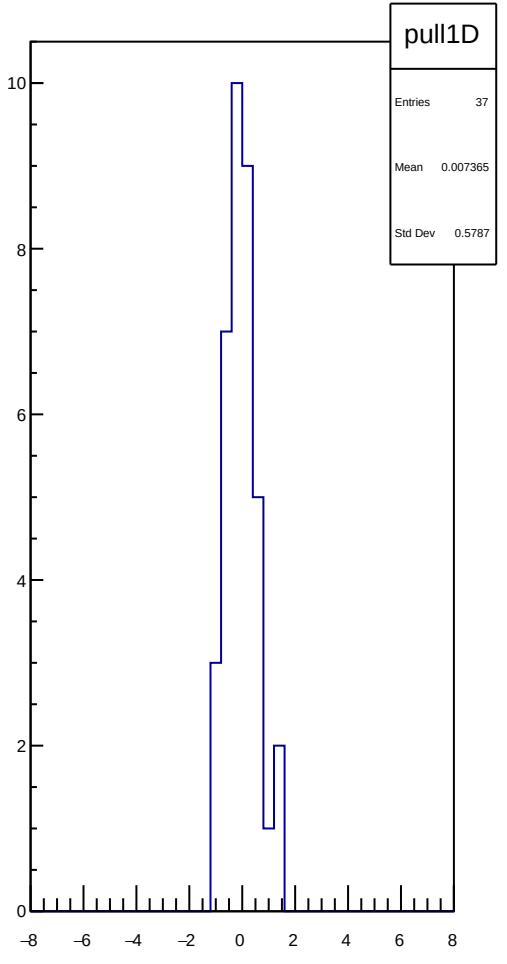

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.65 / 36
p0 −23.84 ± 7.042
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 55.92
Std Dev 39.89
1
0.5
0
−0.5
−1
−1.5

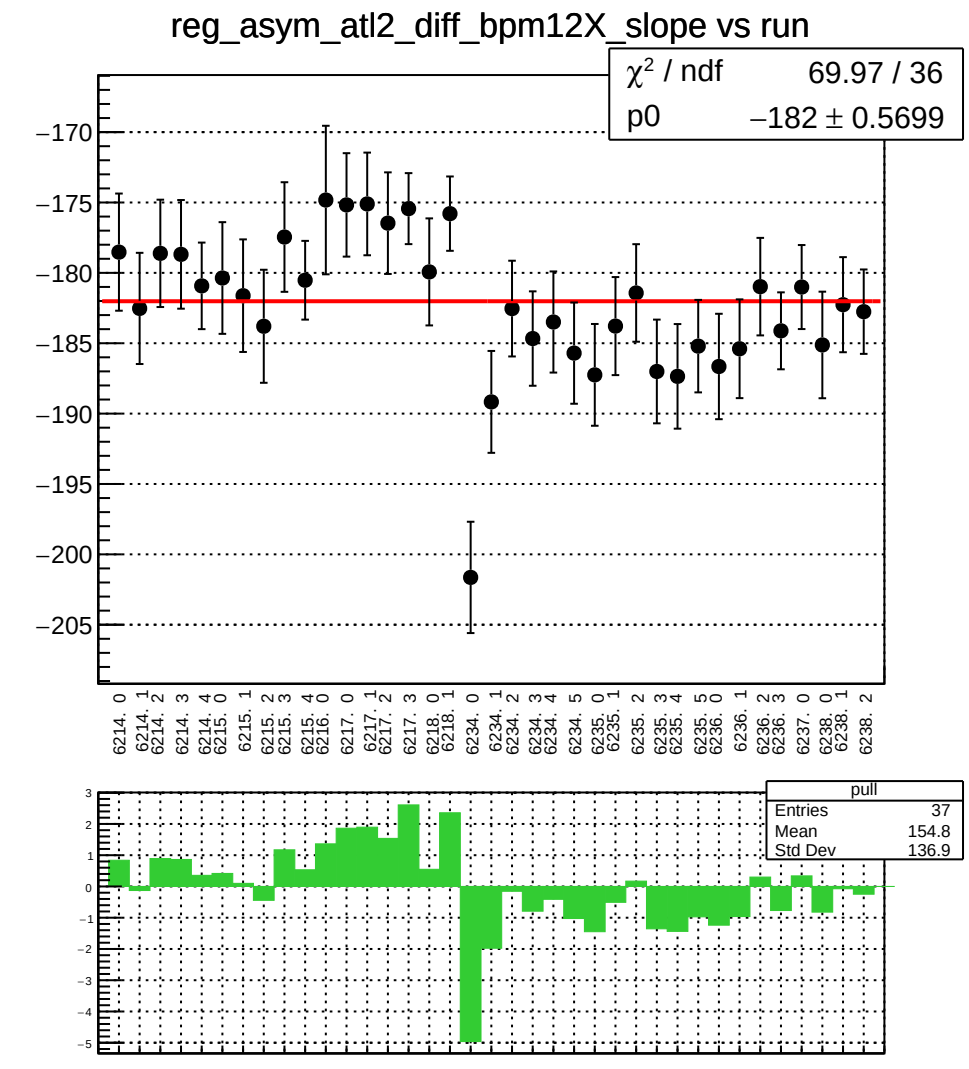

pull1D
Entries 37
Mean −0.01189
Std Dev 0.5609
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

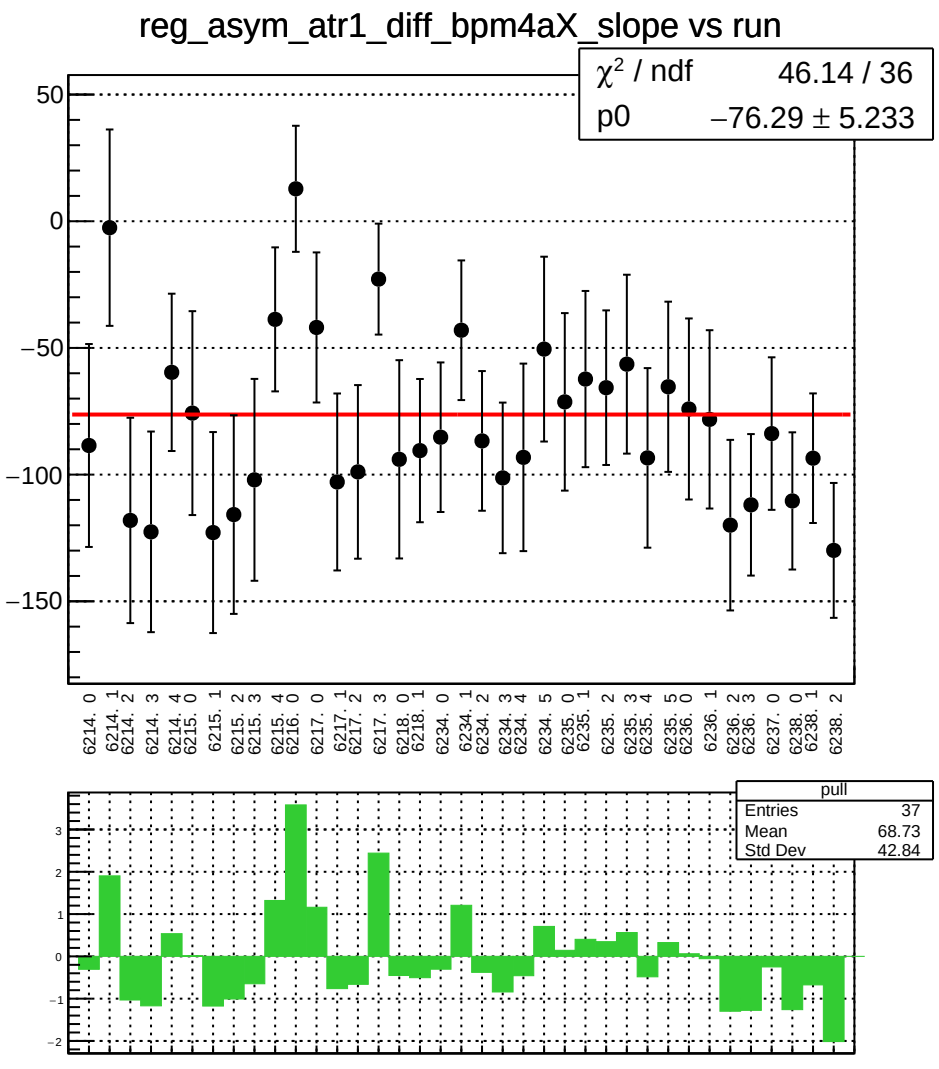

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 35.27 / 36
p0 414.4 ± 12.39
600
500
400
300
200
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −13.36
Std Dev 28.82
1.5
1
0.5
0
−0.5
−1
−1.5
−2

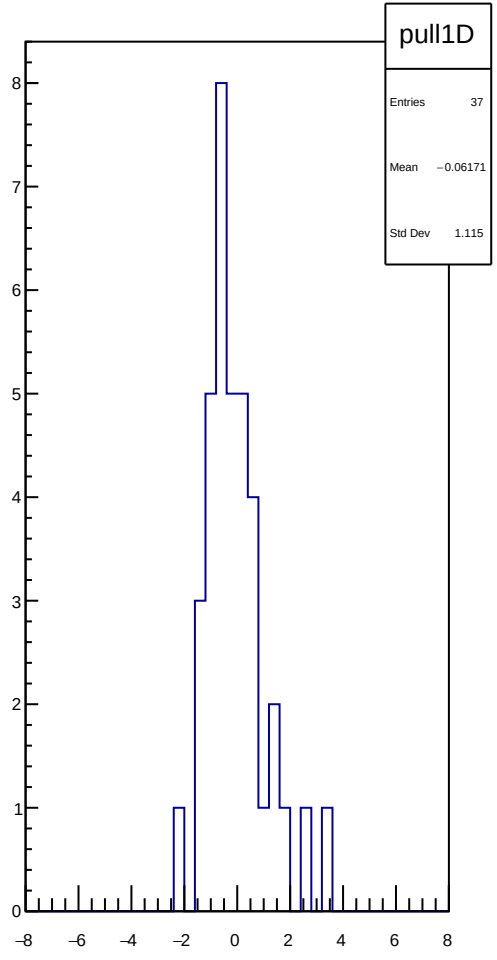

pull1D
Entries 37
Mean 0.1103
Std Dev 0.9701
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

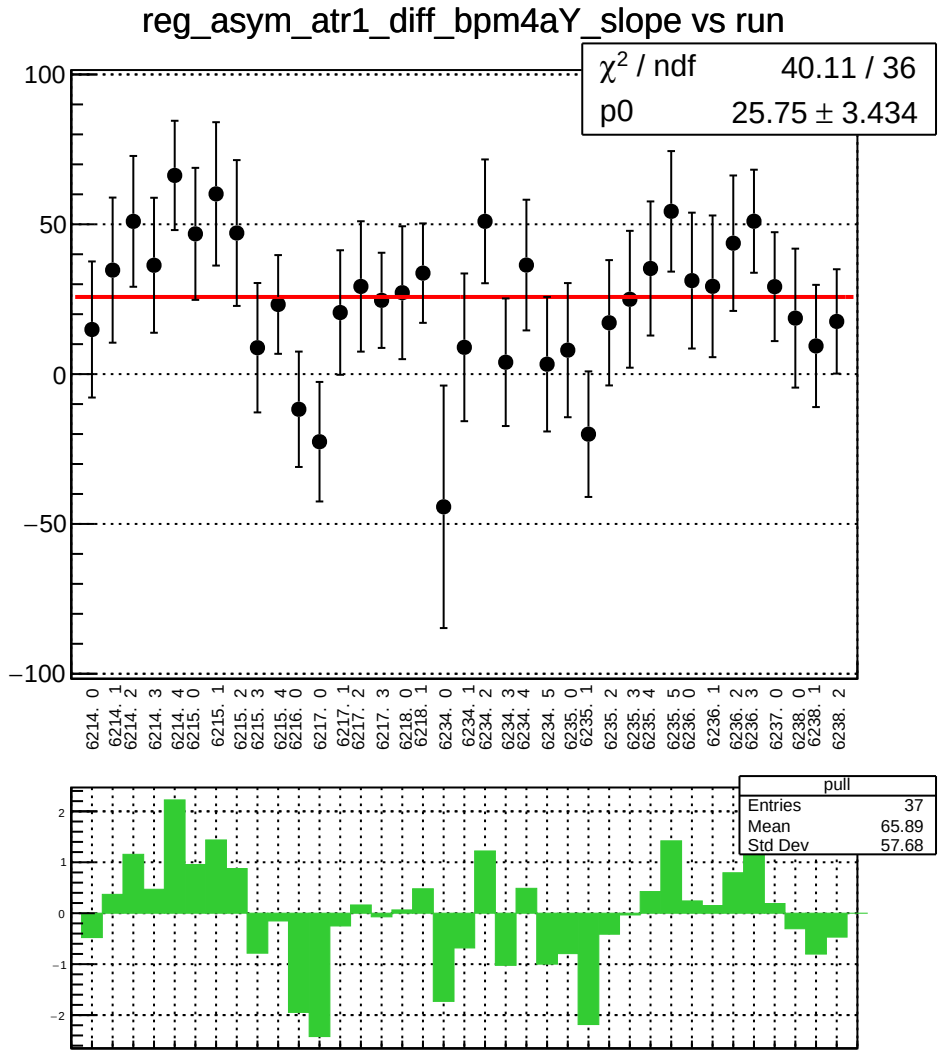

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.4 / 36
p0 132.6 ± 7.668
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 76.97
Std Dev 61.86
1.5
1
0.5
0
−0.5
−1

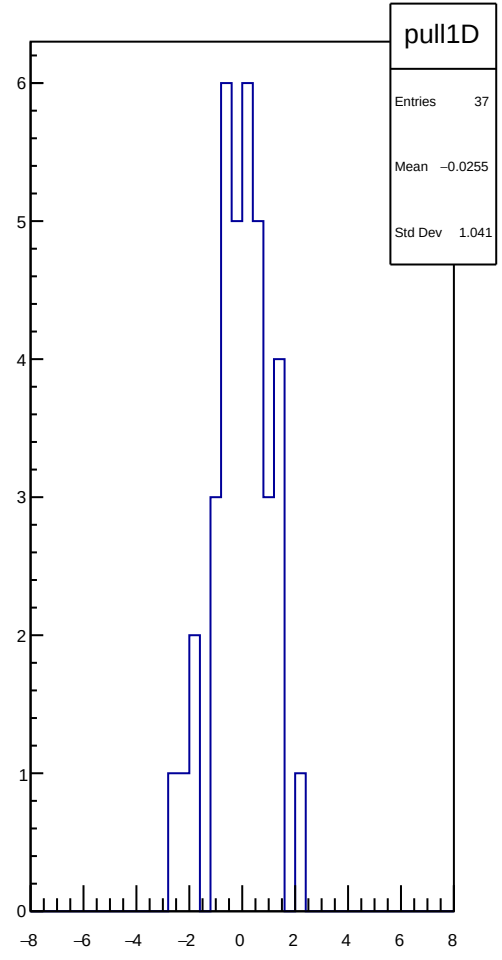

pull1D
Entries 37
Mean 0.007365
Std Dev 0.5787
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

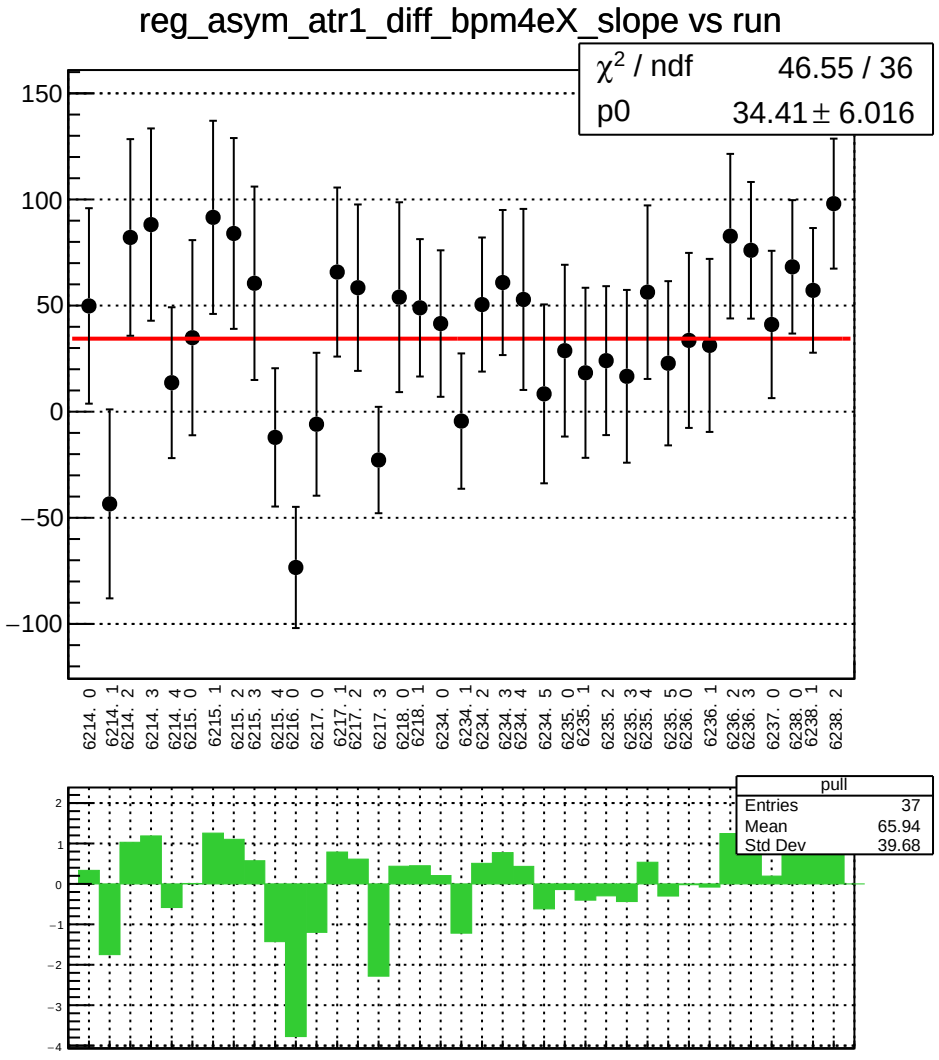

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 69.97 / 36
p0 −182 ± 0.5699
−170
−175
−180
−185
−190
−195
−200
−205
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 154.8
Std Dev 136.9
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 37
Mean −0.04236
Std Dev 1.374
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

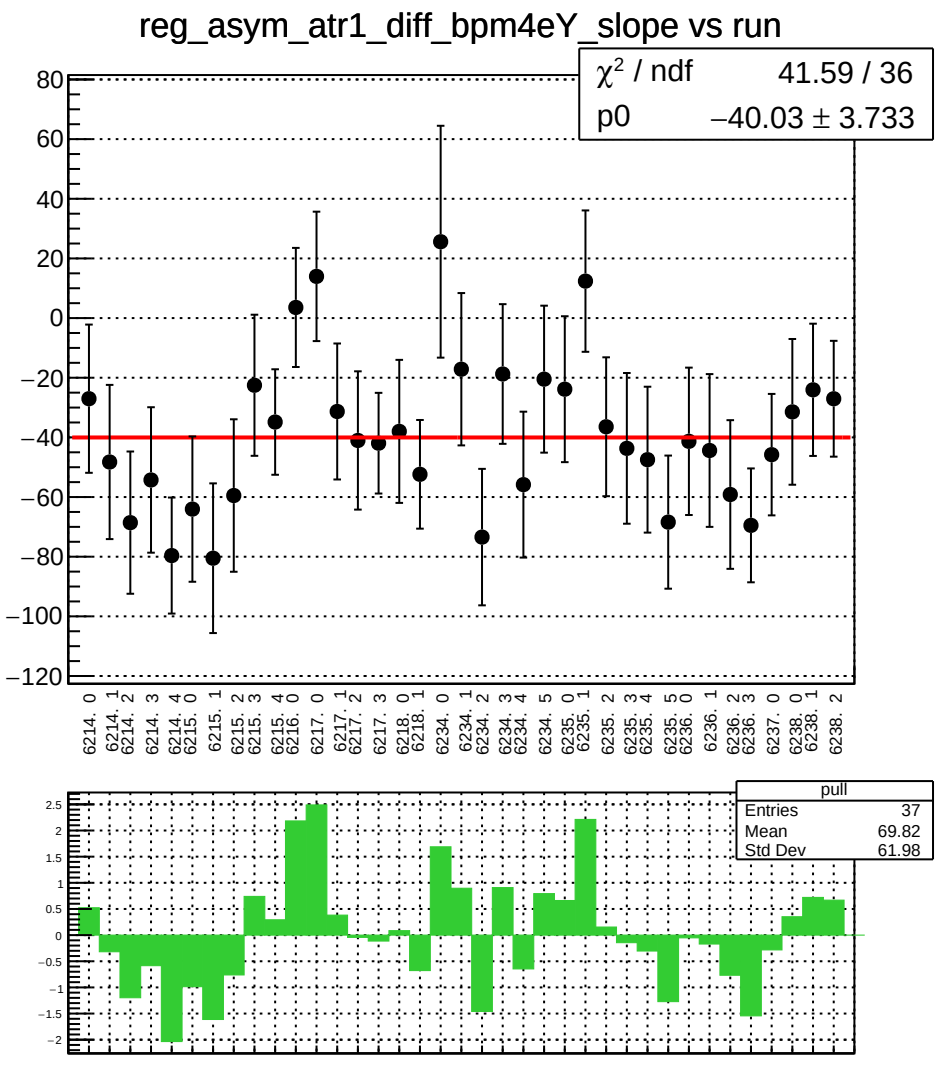

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 46.14 / 36
p0 −76.29 ± 5.233
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 68.73
Std Dev 42.84
3
2
1
0
−1
−2

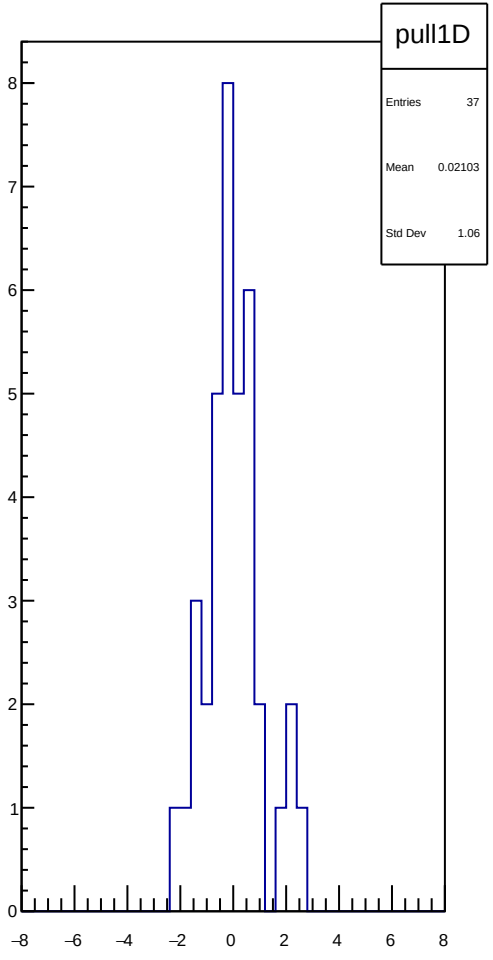

pull1D
Entries 37
Mean −0.06171
Std Dev 1.115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

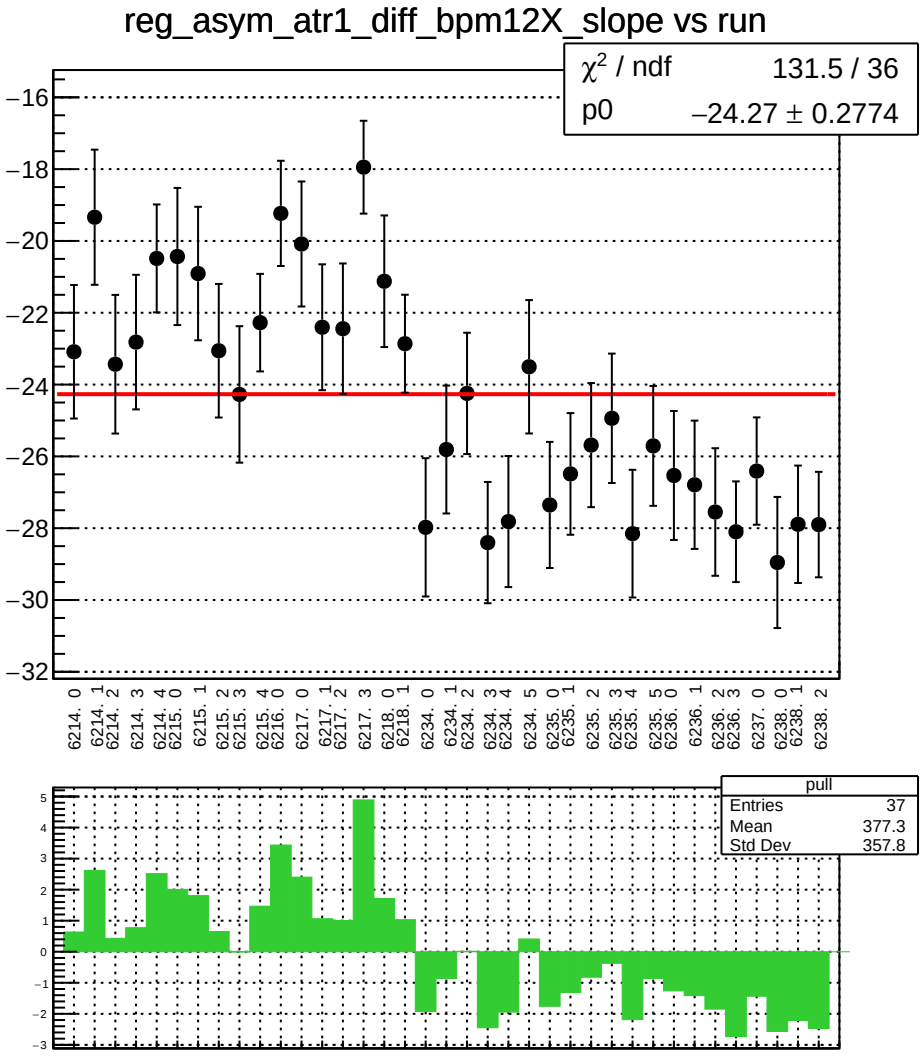

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 40.11 / 36
p0 25.75 ± 3.434
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 65.89
Std Dev 57.68
2
1
0
−1
−2

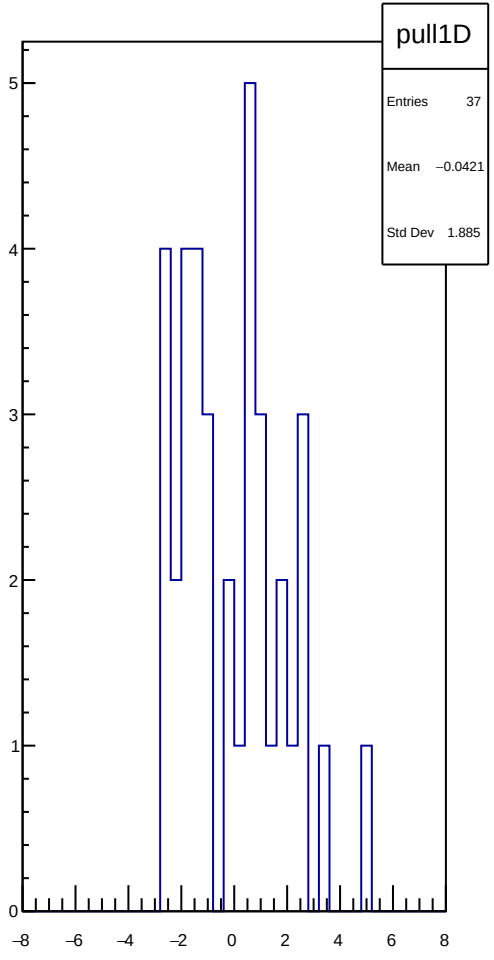

pull1D
Entries 37
Mean −0.0255
Std Dev 1.041
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

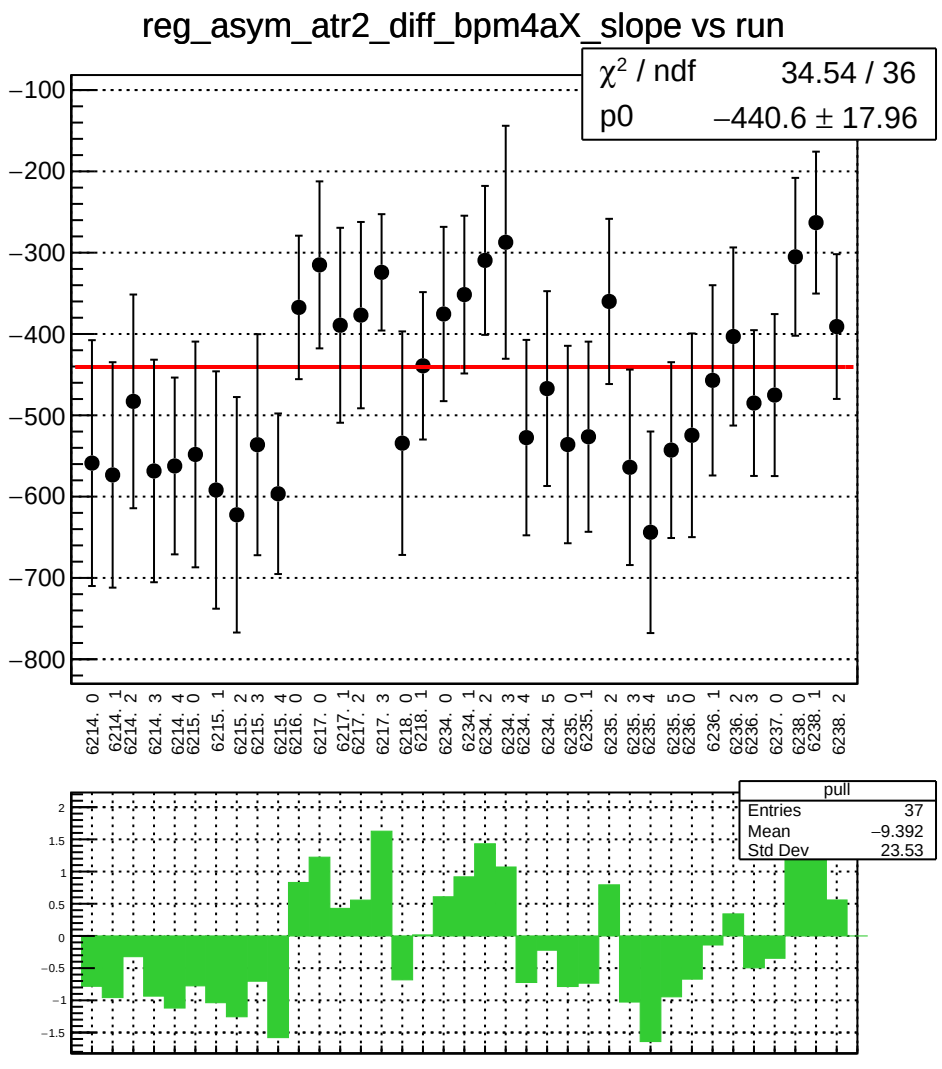

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 46.55 / 36
p0 34.41 ± 6.016
150
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 65.94
Std Dev 39.68
2
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean 0.06425
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

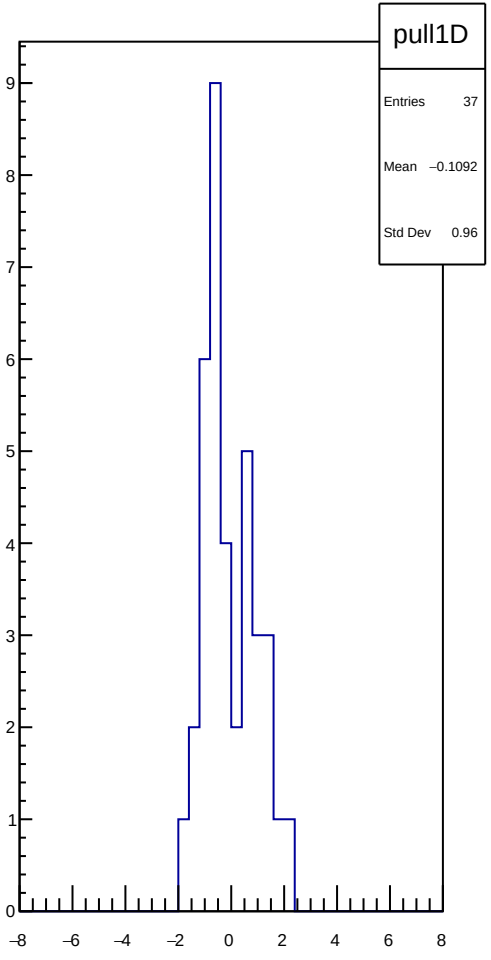

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 41.59 / 36
p0 −40.03 ± 3.733
pull
Entries 37
Mean 69.82
Std Dev 61.98

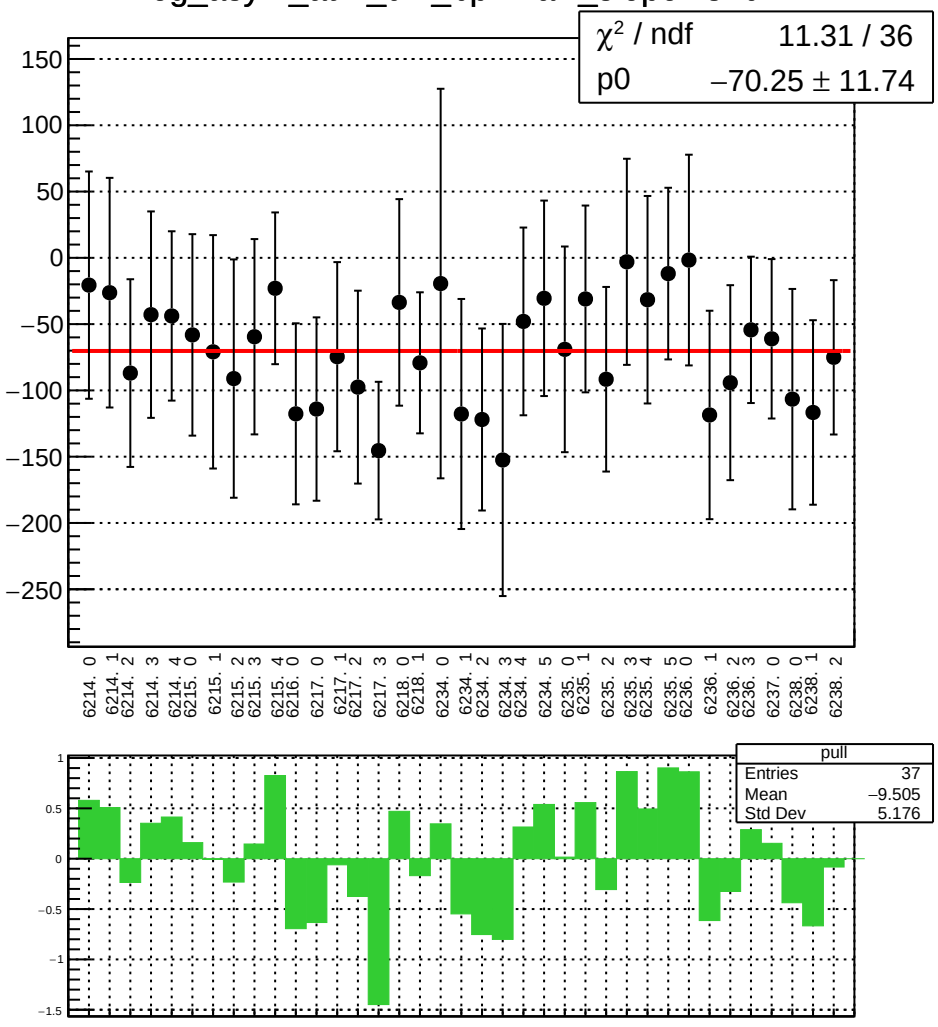

pull1D
Entries 37
Mean 0.02103
Std Dev 1.06

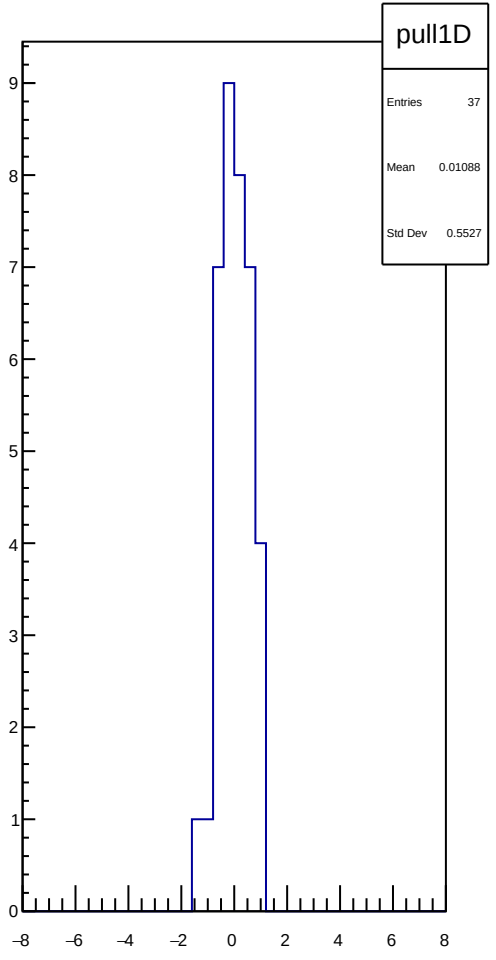

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 131.5 / 36
p0 −24.27 ± 0.2774
pull
Entries 37
Mean 377.3
Std Dev 357.8

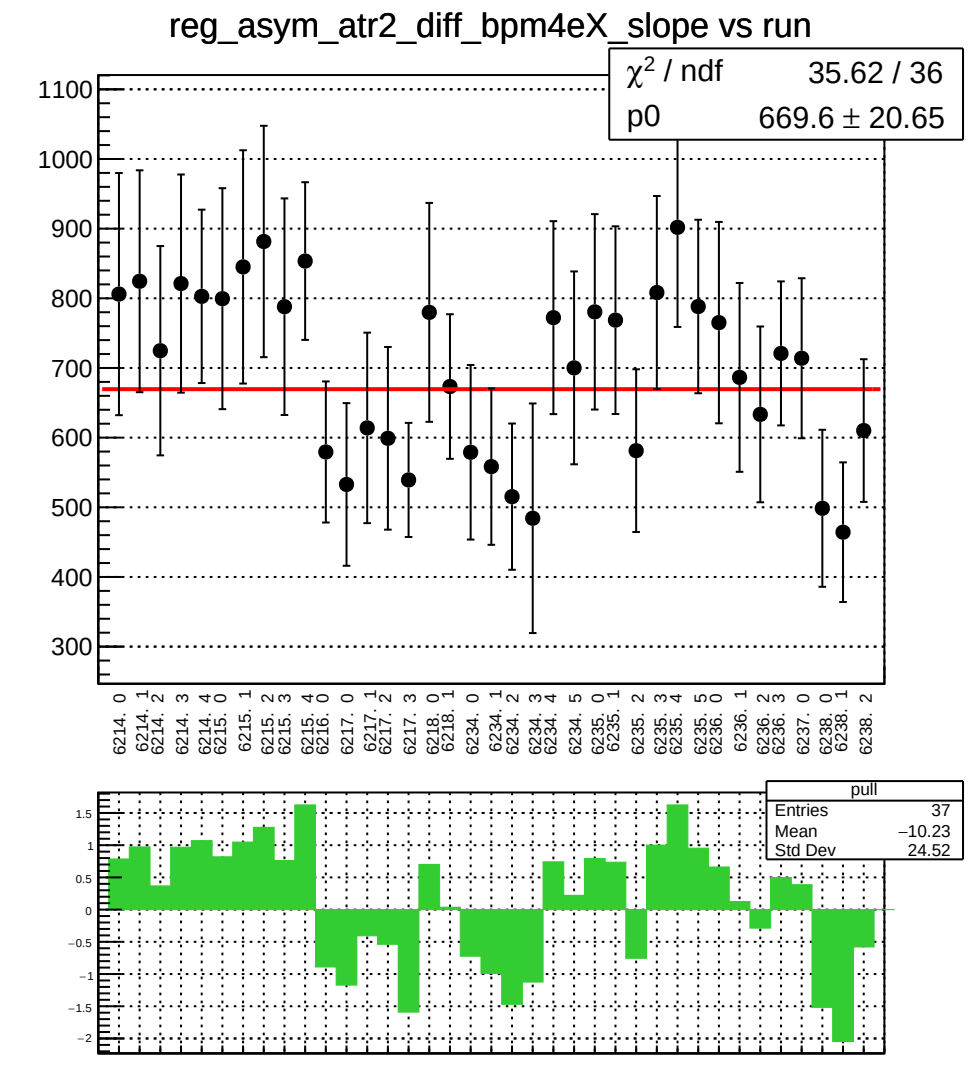

pull1D
Entries 37
Mean −0.0421
Std Dev 1.885

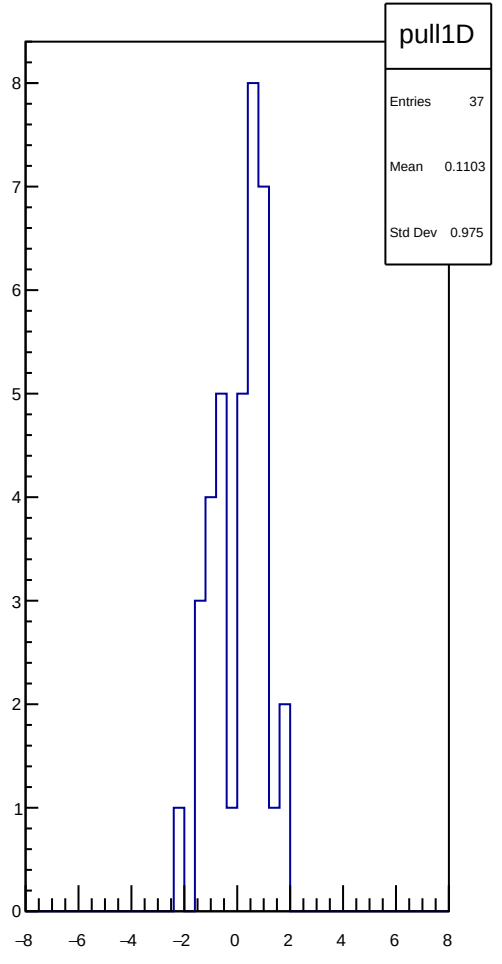

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 34.54 / 36
p0 −440.6 ± 17.96
−100
−200
−300
−400
−500
−600
−700
−800
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.392
Std Dev 23.53
2
1.5
1
0.5
0
−0.5
−1
−1.5

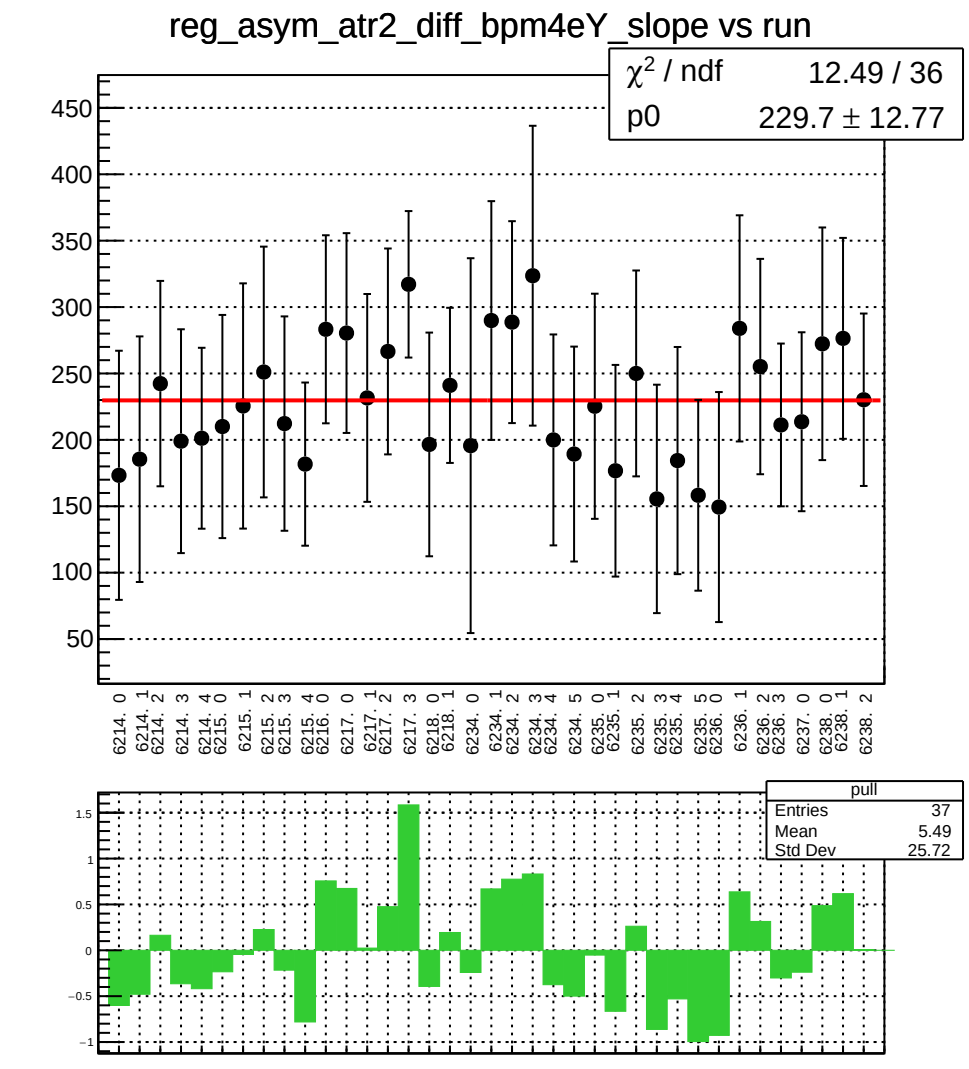

pull1D
Entries 37
Mean −0.1092
Std Dev 0.96
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

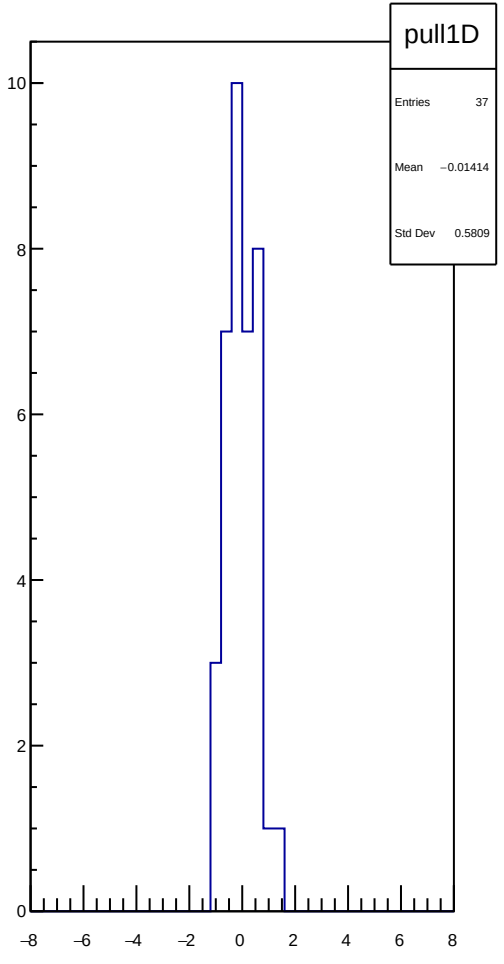

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 11.31 / 36
p0 −70.25 ± 11.74
150
100
50
0
−50
−100
−150
−200
−250
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.505
Std Dev 5.176
1
0.5
0
−0.5
−1
−1.5

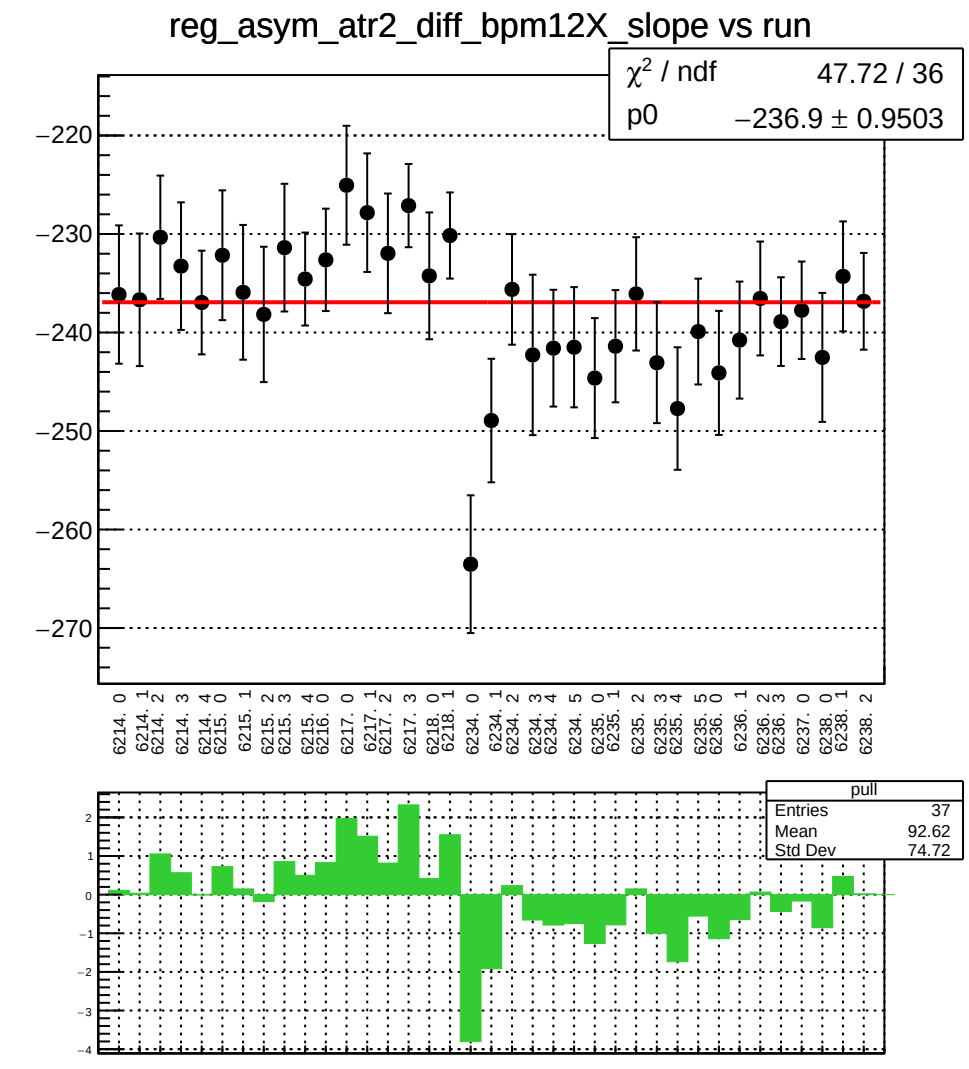

pull1D
Entries 37
Mean 0.01088
Std Dev 0.5527
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

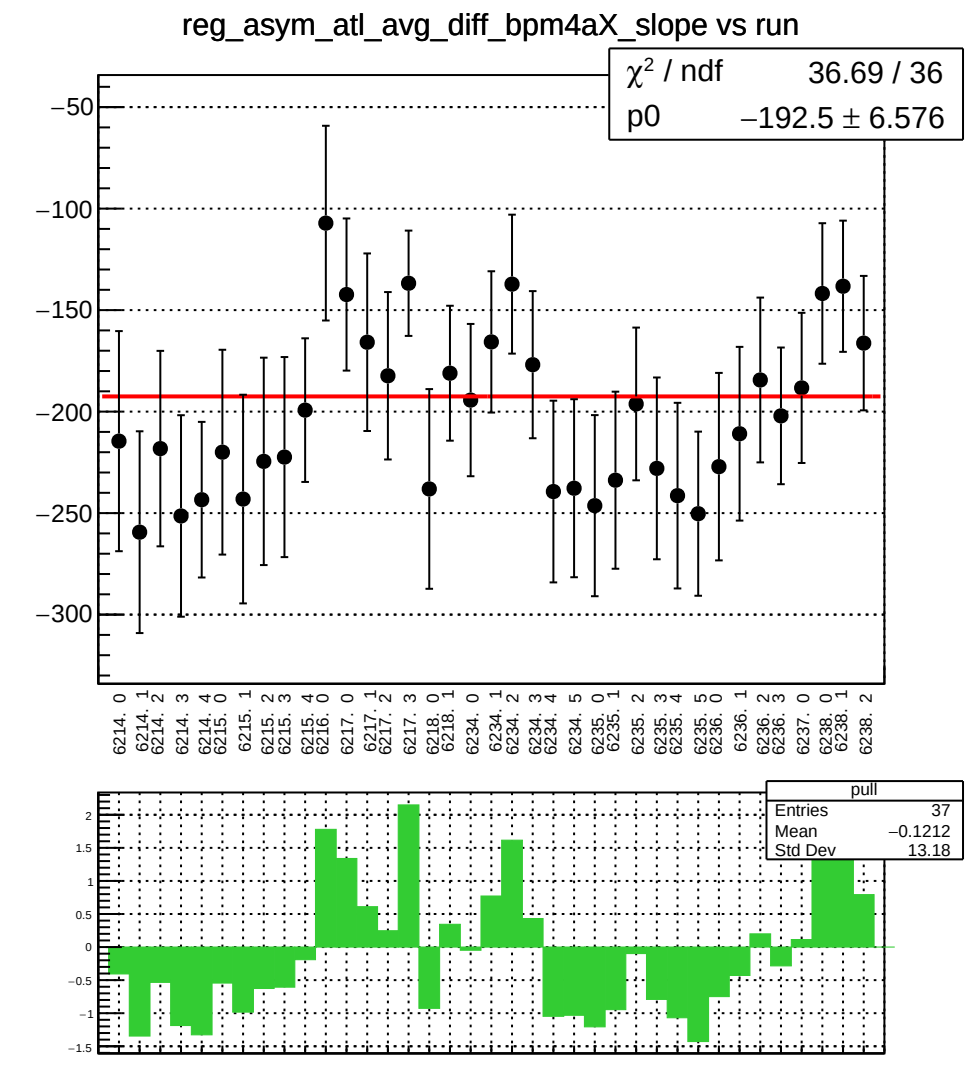

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 35.62 / 36
p0 669.6 ± 20.65
1100
1000
900
800
700
600
500
400
300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −10.23
Std Dev 24.52
1.5
1
0.5
0
−0.5
−1
−1.5
−2

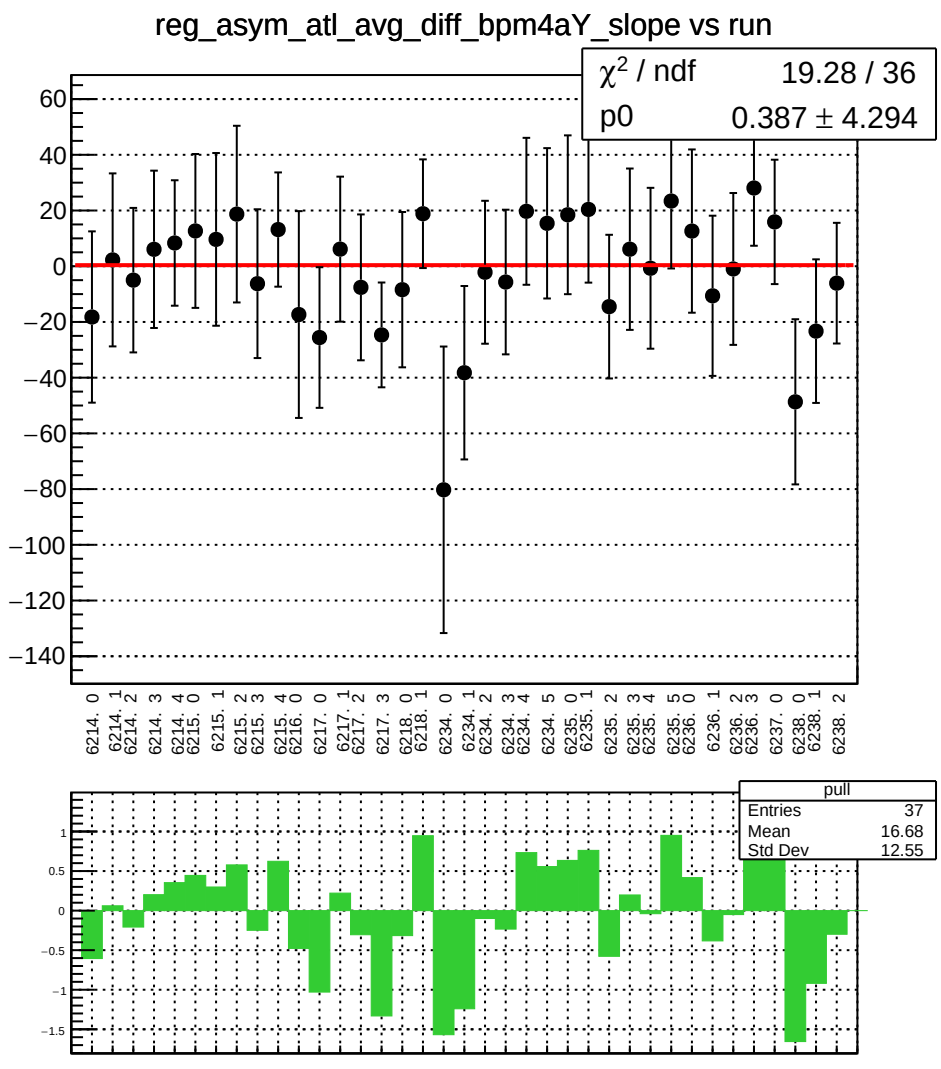

pull1D
Entries 37
Mean 0.1103
Std Dev 0.975
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

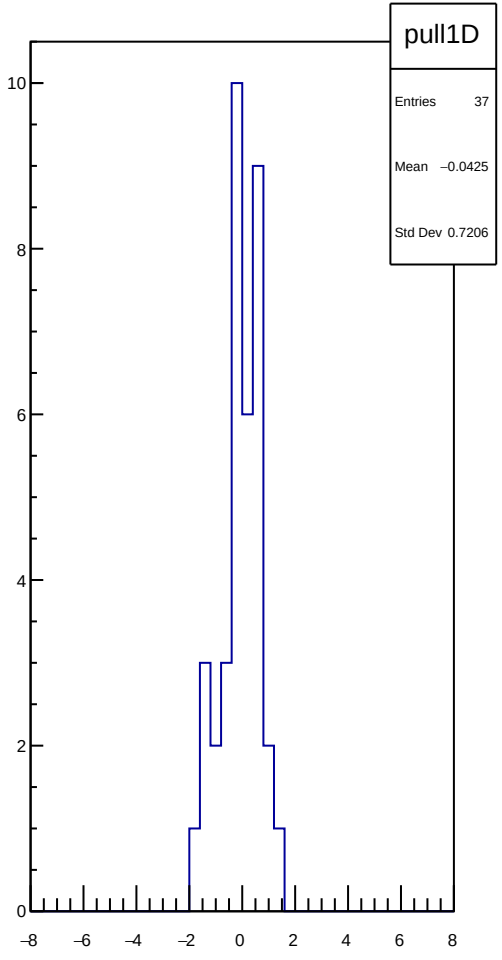

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 12.49 / 36
p0 229.7 ± 12.77
pull
Entries 37
Mean 5.49
Std Dev 25.72

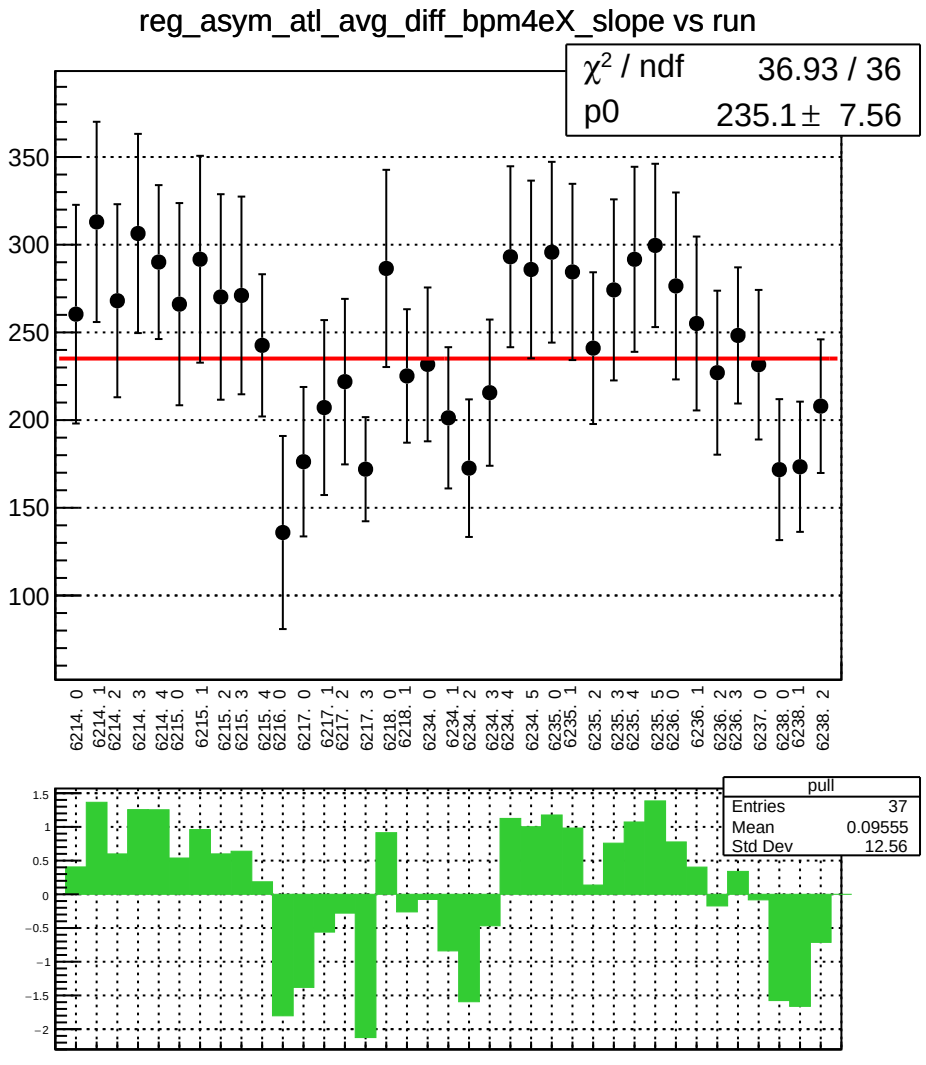

pull1D
Entries 37
Mean −0.01414
Std Dev 0.5809

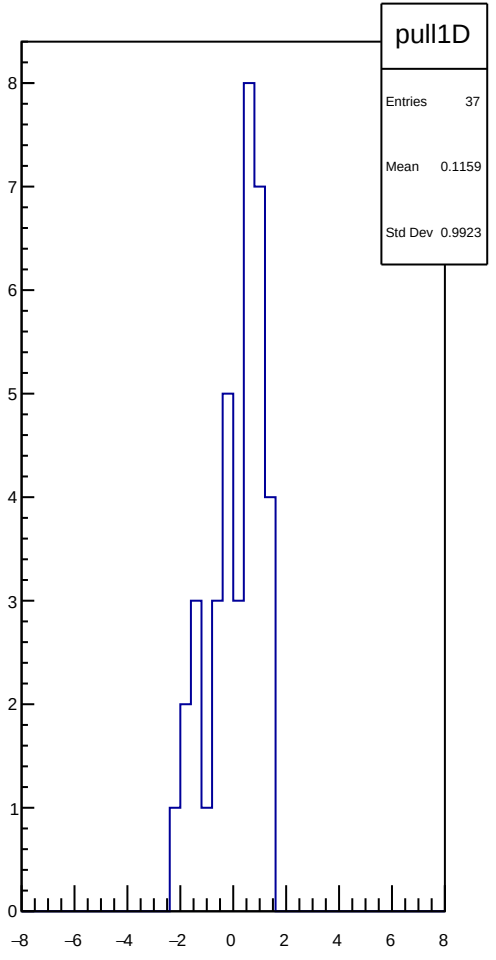

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 47.72 / 36
p0 −236.9 ± 0.9503
−220
−230
−240
−250
−260
−270
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 92.62
Std Dev 74.72
2
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean −0.06289
Std Dev 1.134
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

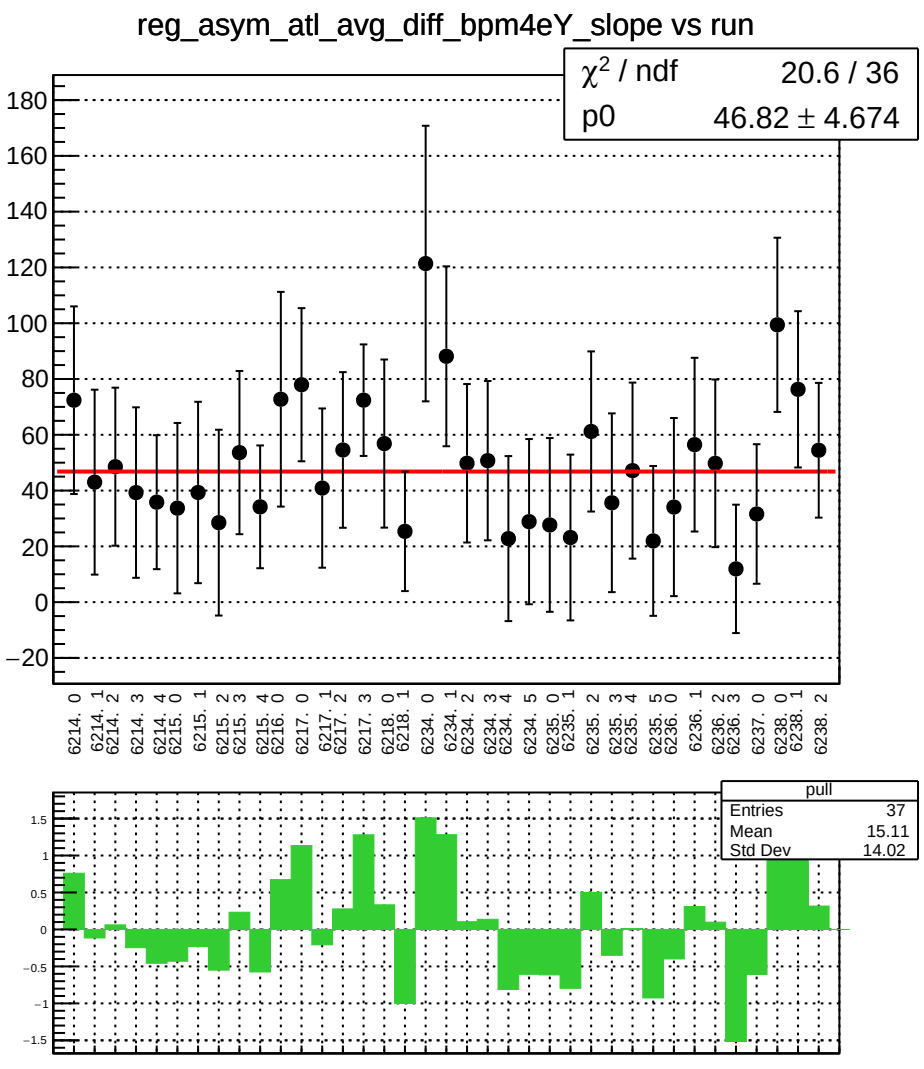

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.69 / 36
p0 −192.5 ± 6.576
−50
−100
−150
−200
−250
−300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −0.1212
Std Dev 13.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1153
Std Dev 0.989
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

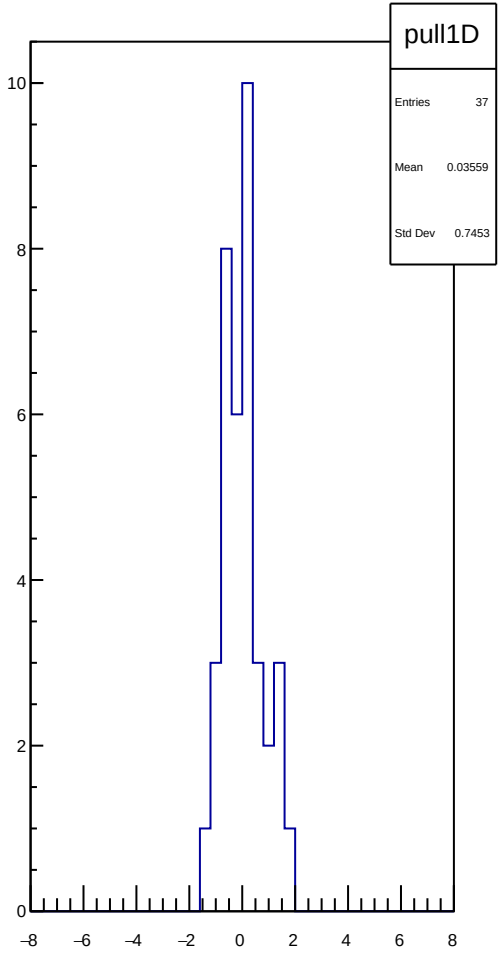

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.28 / 36
p0 0.387 ± 4.294
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 16.68
Std Dev 12.55
1
0.5
0
−0.5
−1
−1.5

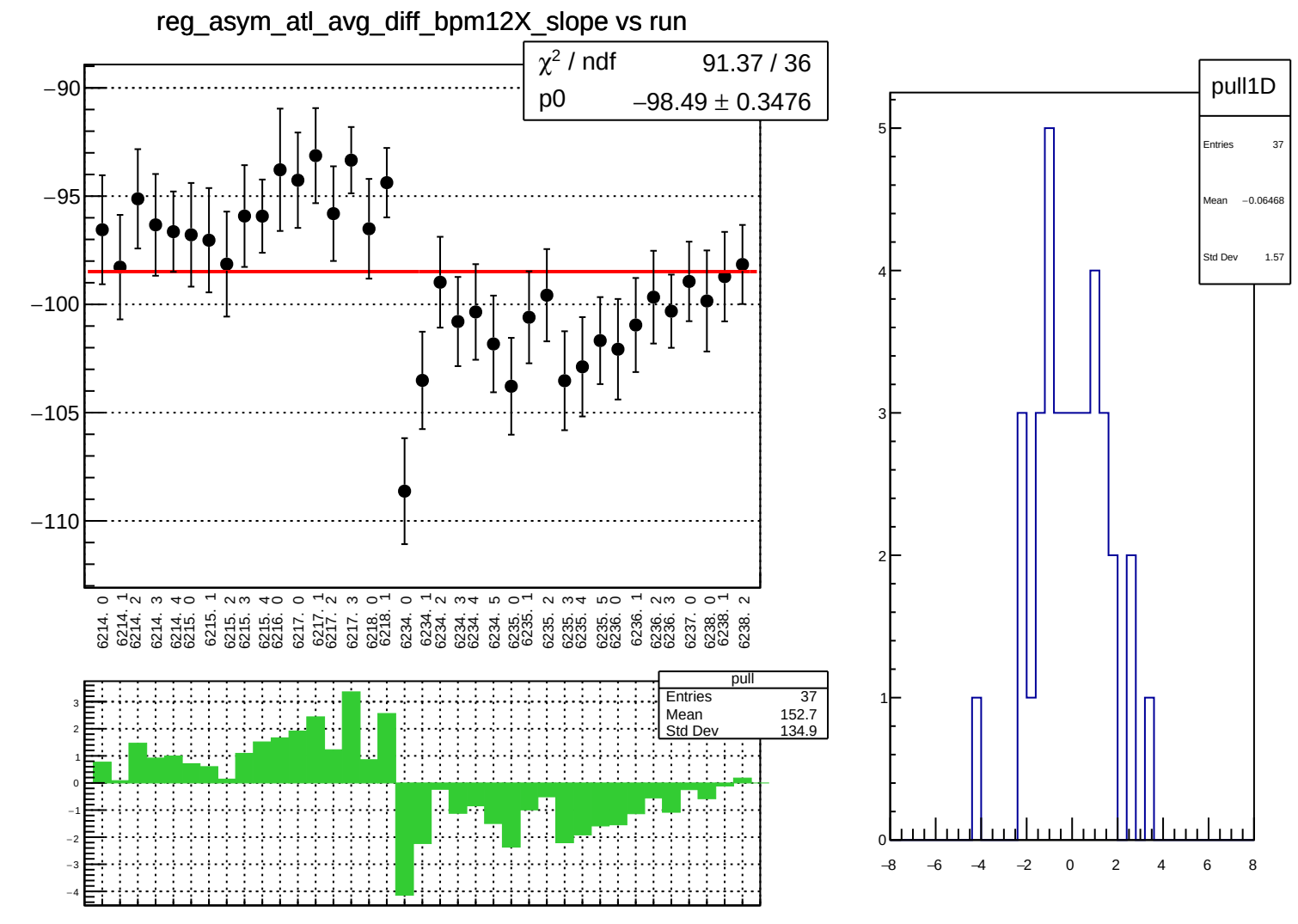

pull1D
Entries 37
Mean −0.0425
Std Dev 0.7206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

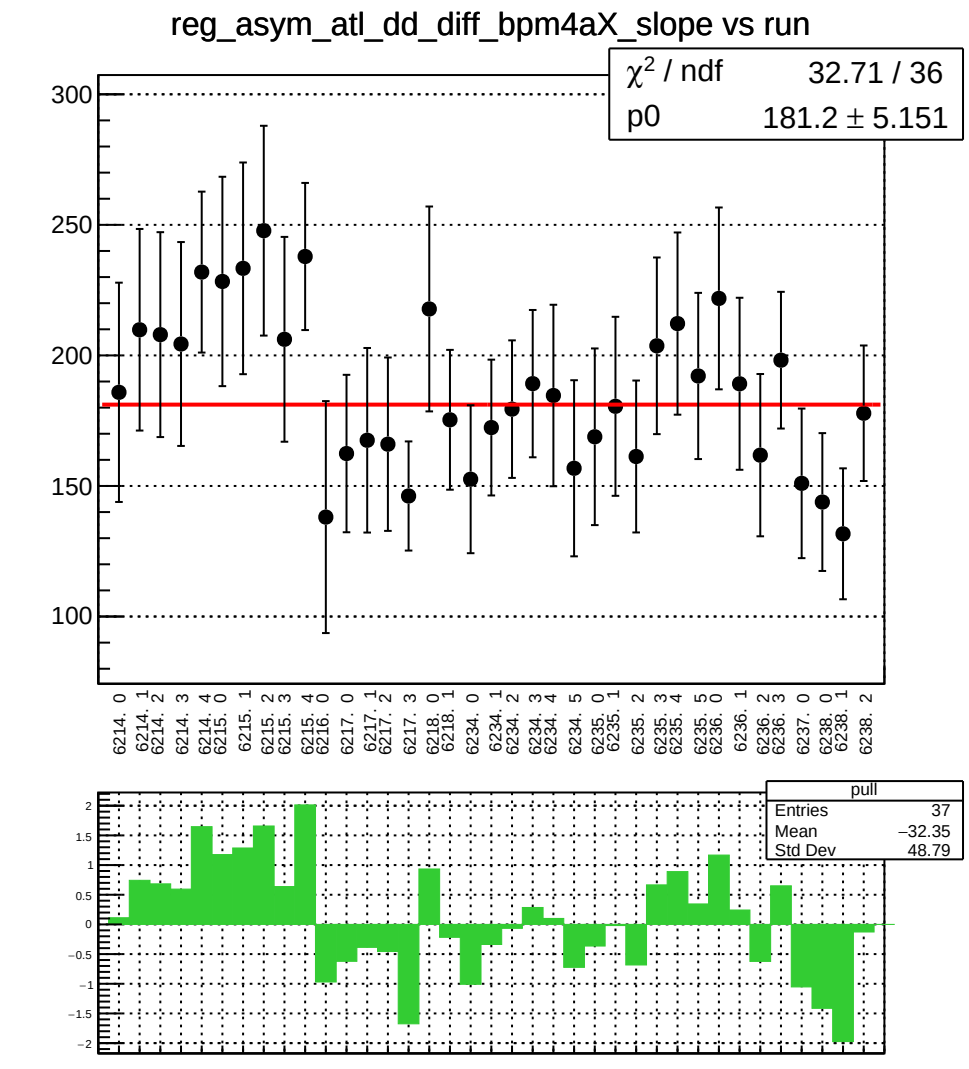

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.93 / 36
p0 235.1 ± 7.56
350
300
250
200
150
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0.09555
Std Dev 12.56
1.5
1
0.5
0
−0.5
−1
−1.5
−2

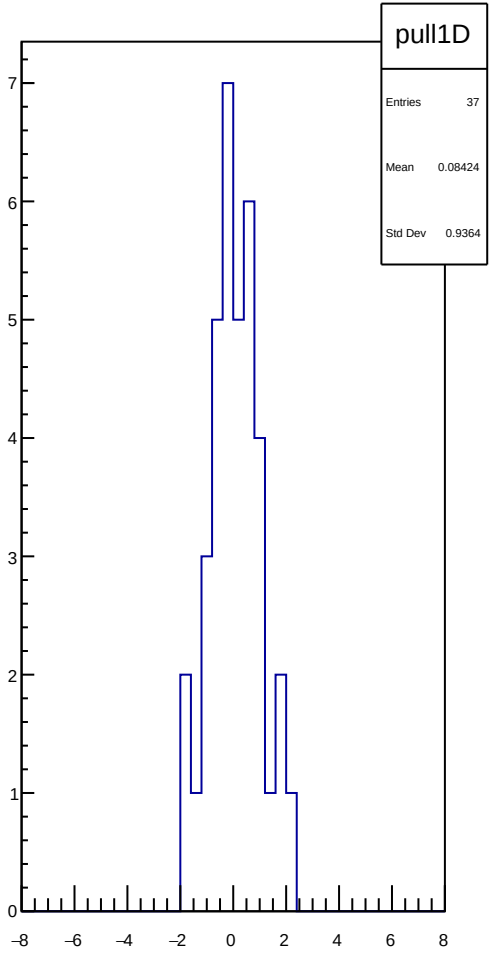

pull1D
Entries 37
Mean 0.1159
Std Dev 0.9923
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

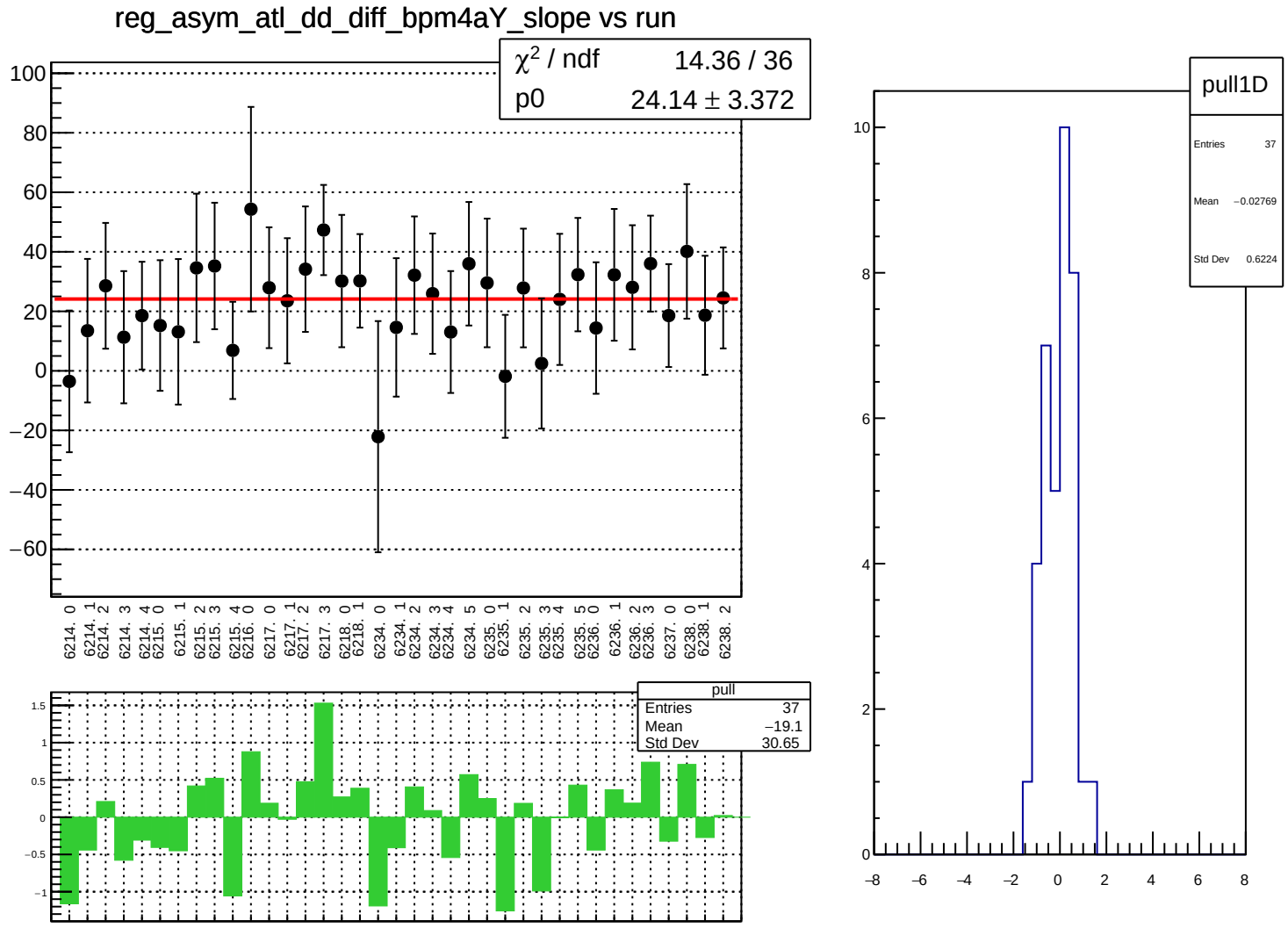

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.6 / 36
p0 46.82 ± 4.674
pull
Entries 37
Mean 15.11
Std Dev 14.02

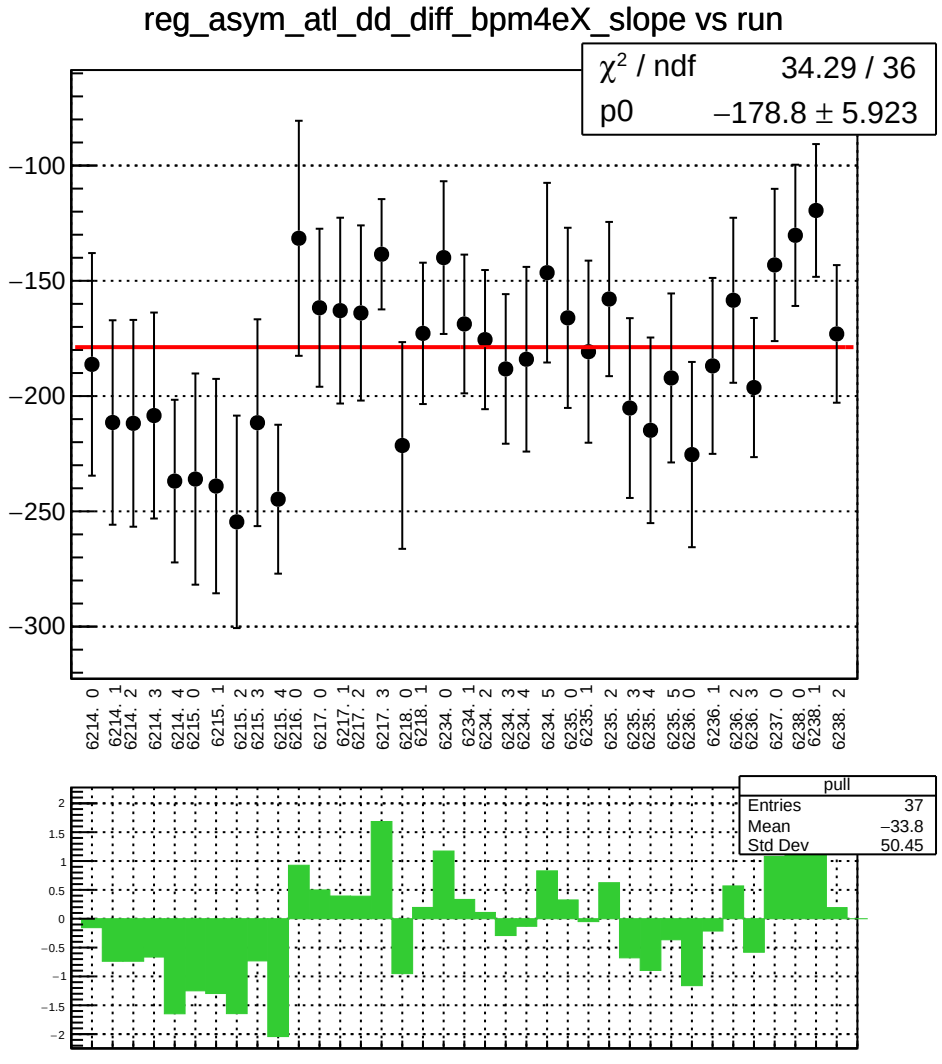

pull1D
Entries 37
Mean 0.03559
Std Dev 0.7453

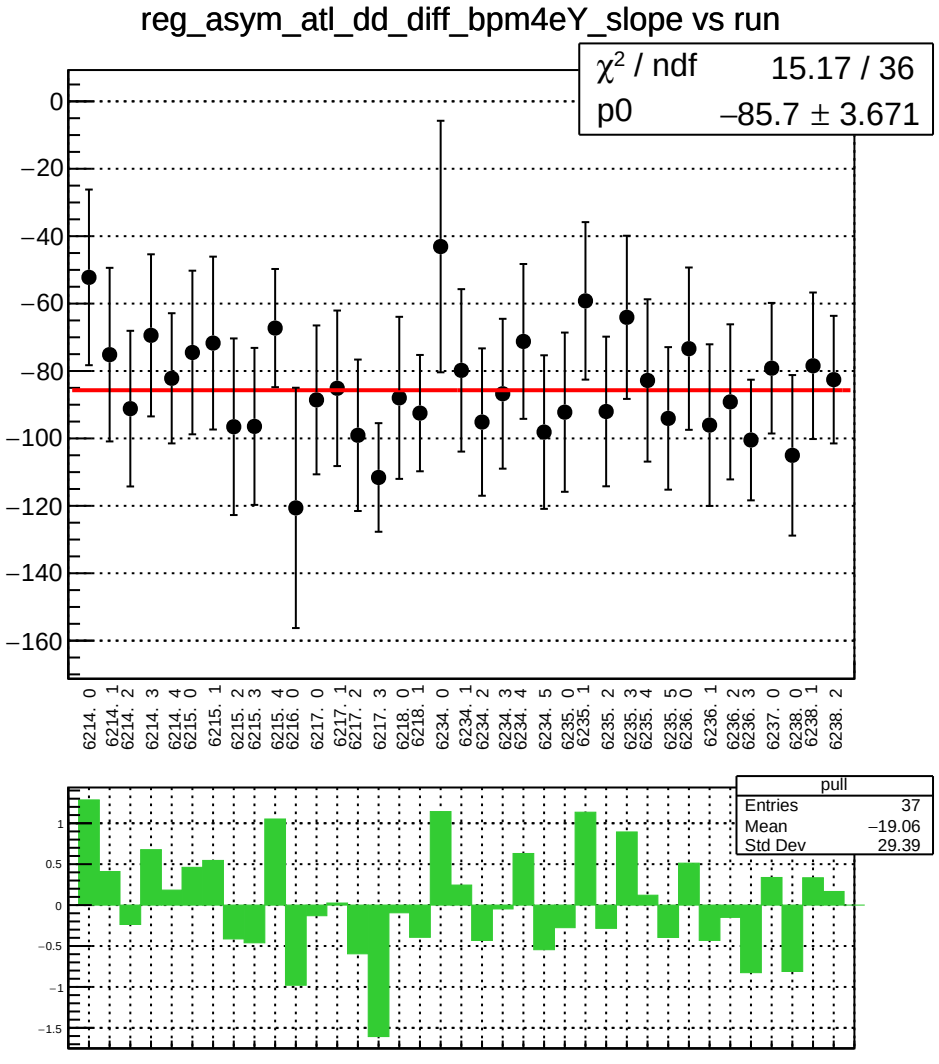

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 91.37 / 36
p0 −98.49 ± 0.3476
−90
−95
−100
−105
−110
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 152.7
Std Dev 134.9
pull1D
Entries 37
Mean −0.06468
Std Dev 1.57

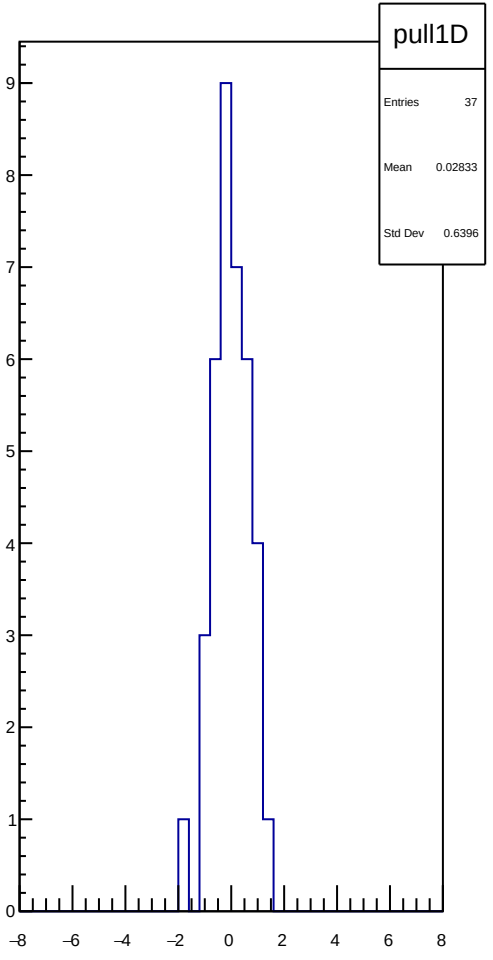

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.71 / 36
p0 181.2 ± 5.151
300
250
200
150
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −32.35
Std Dev 48.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

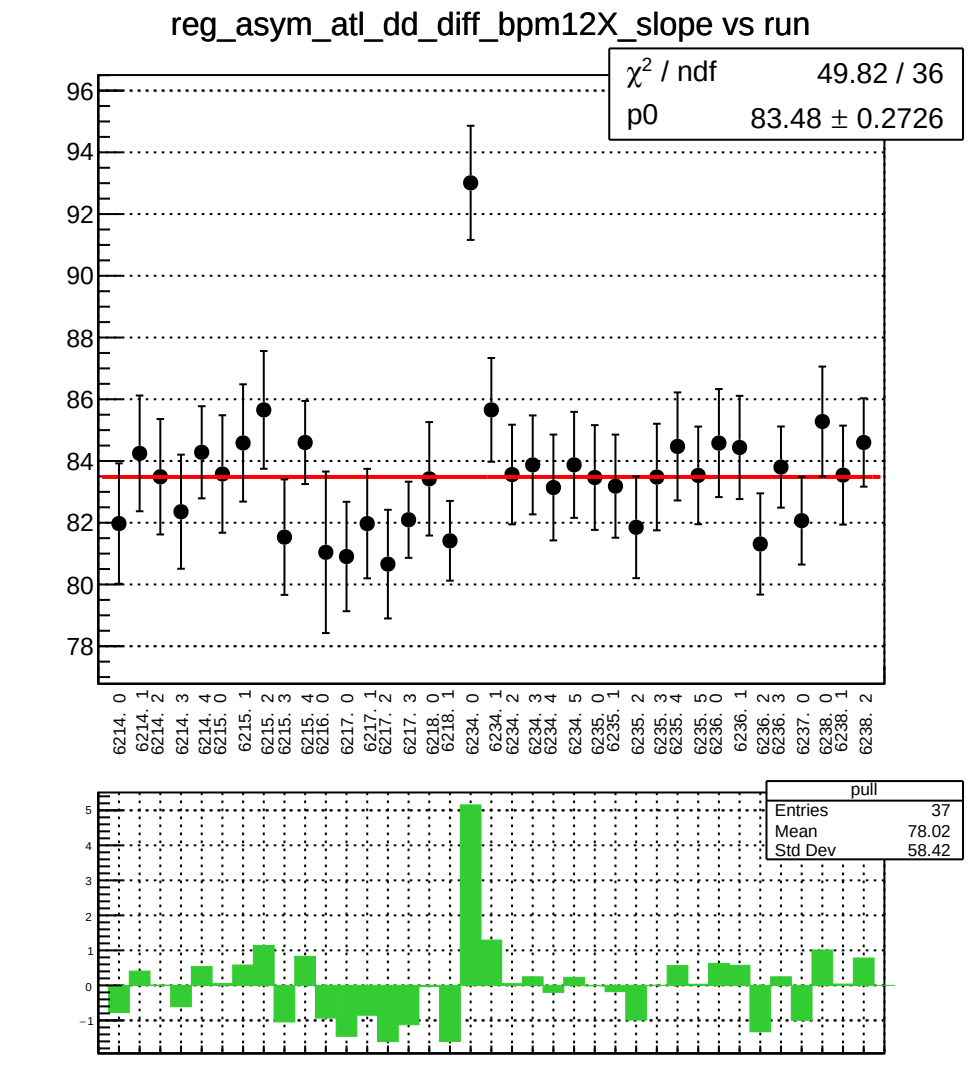

pull1D
Entries 37
Mean 0.08424
Std Dev 0.9364
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

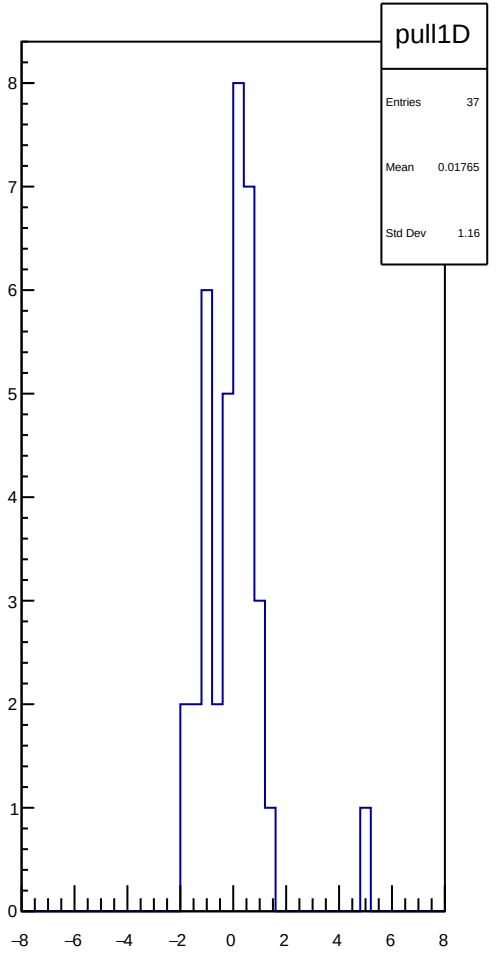

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.36 / 36
p0 24.14 ± 3.372
100
80
60
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −19.1
Std Dev 30.65
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.02769
Std Dev 0.6224
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

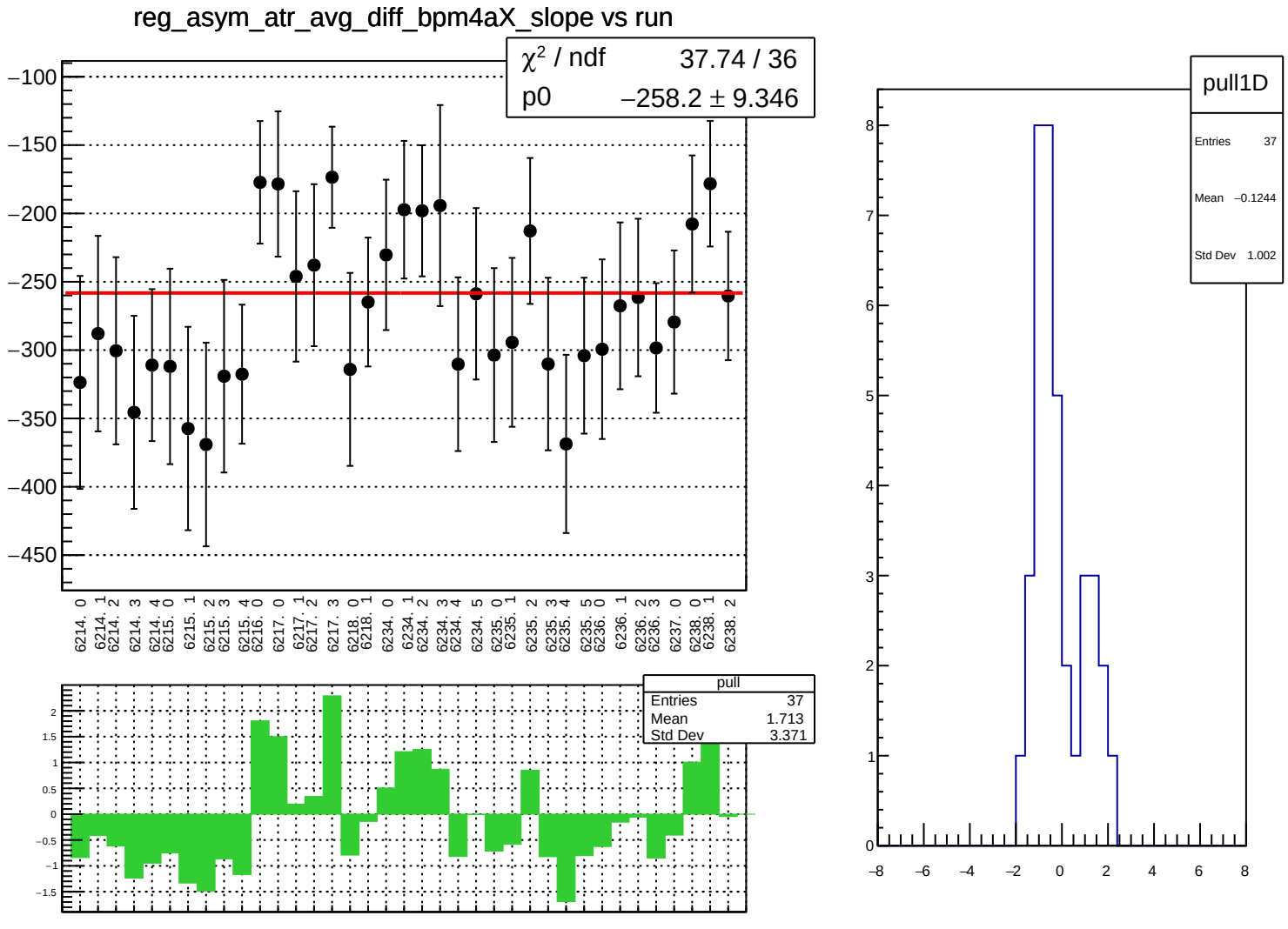

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.29 / 36
p0 −178.8 ± 5.923
−100
−150
−200
−250
−300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −33.8
Std Dev 50.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.08785
Std Dev 0.9586
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

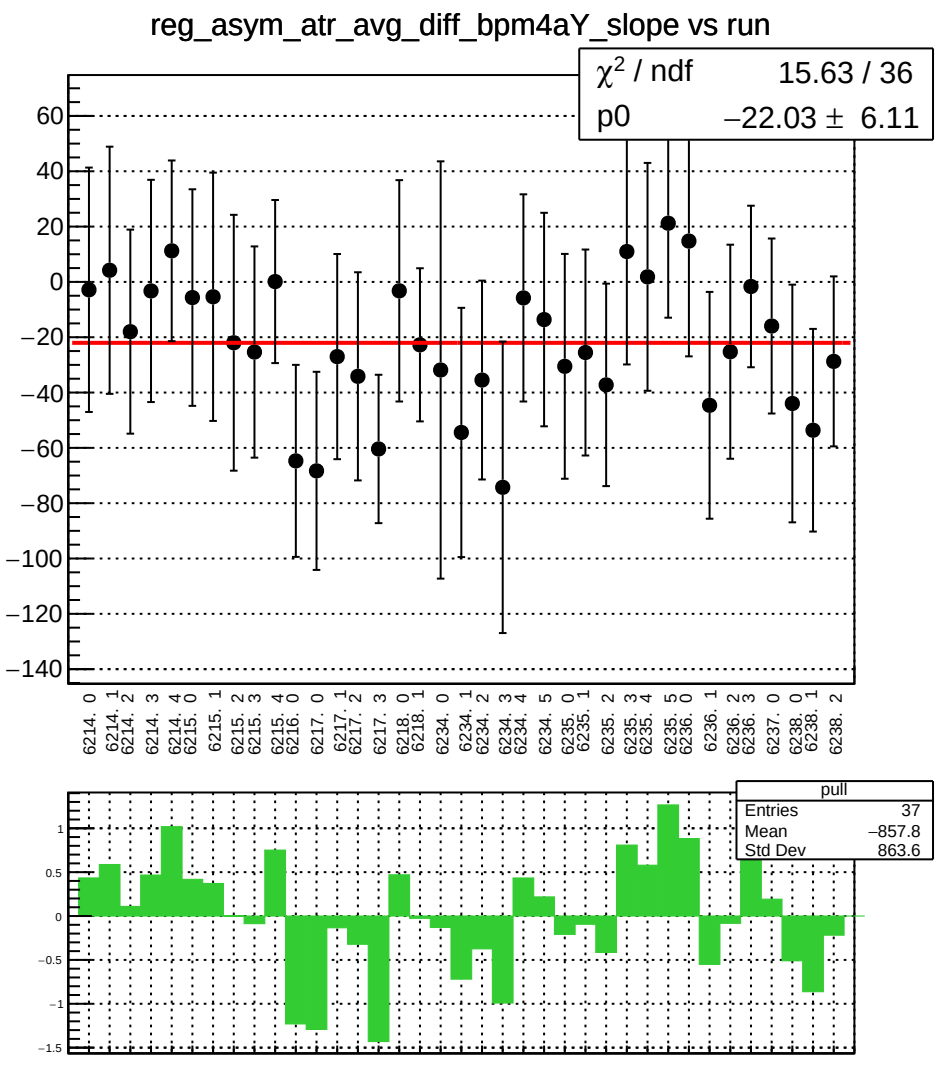

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.17 / 36
p0 −85.7 ± 3.671
0
−20
−40
−60
−80
−100
−120
−140
−160
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −19.06
Std Dev 29.39
1
0.5
0
−0.5
−1
−1.5

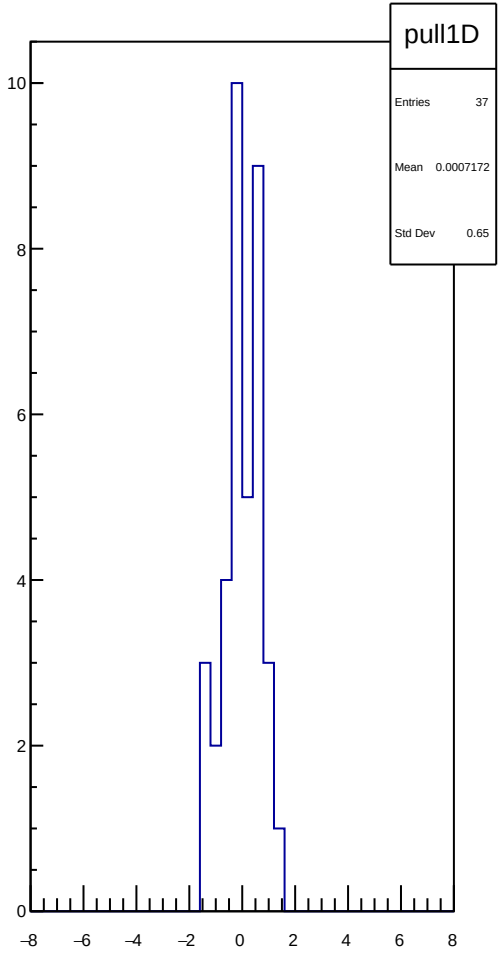

pull1D
Entries 37
Mean 0.02833
Std Dev 0.6396
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

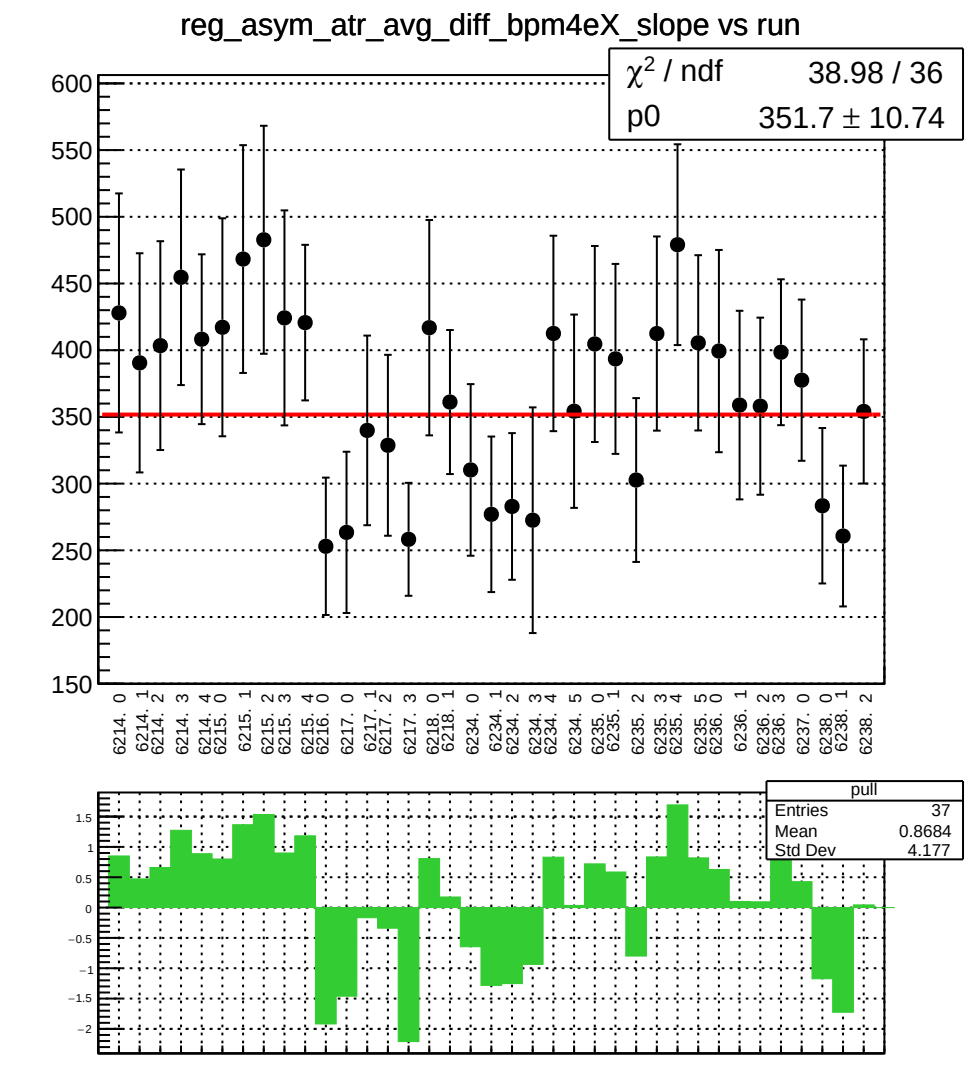

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 49.82 / 36
p0 83.48 ± 0.2726
96
94
92
90
88
86
84
82
80
78
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 78.02
Std Dev 58.42
5
4
3
2
1
0
−1

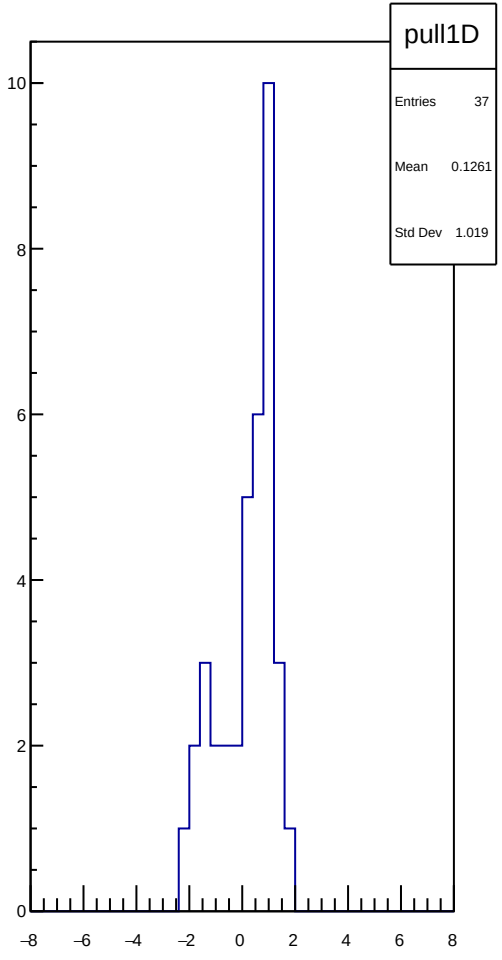

pull1D
Entries 37
Mean 0.01765
Std Dev 1.16
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

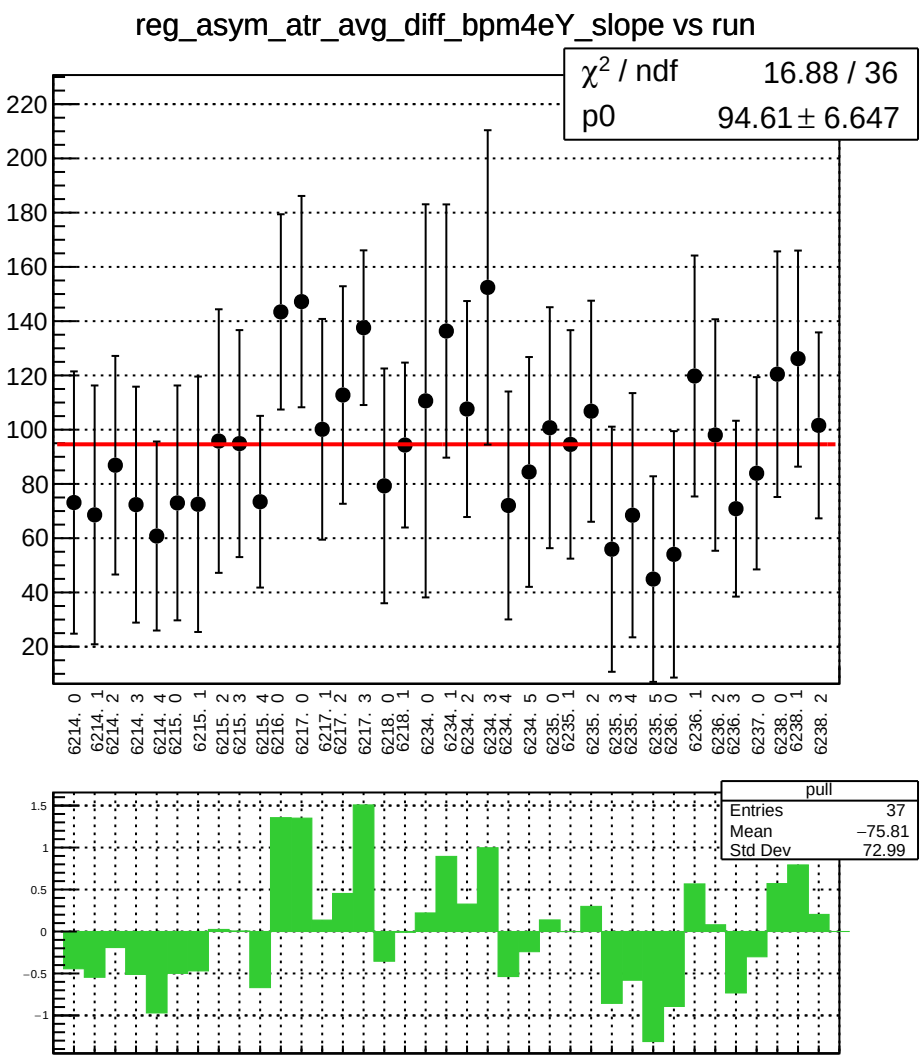

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.74 / 36
p0 −258.2 ± 9.346
−100
−150
−200
−250
−300
−350
−400
−450
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 1.713
Std Dev 3.371
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1244
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

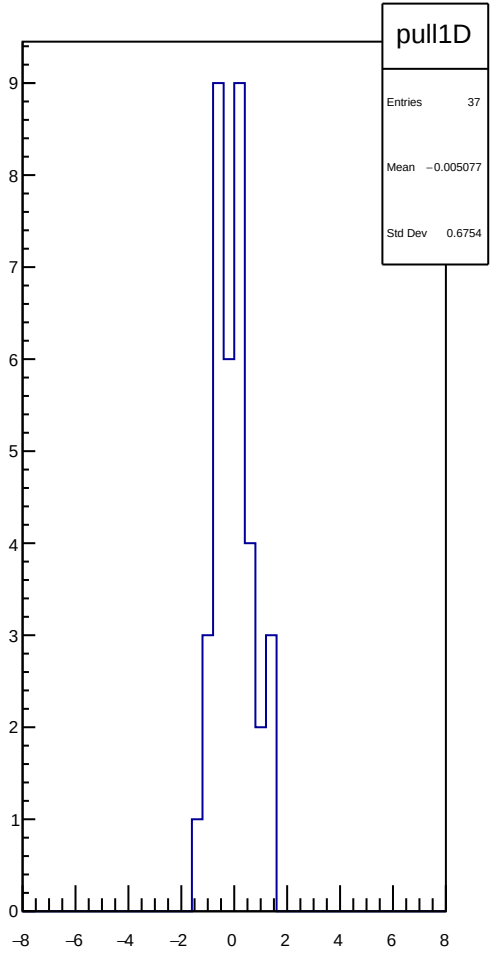

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.63 / 36
p0 −22.03 ± 6.11
pull
Entries 37
Mean −857.8
Std Dev 863.6

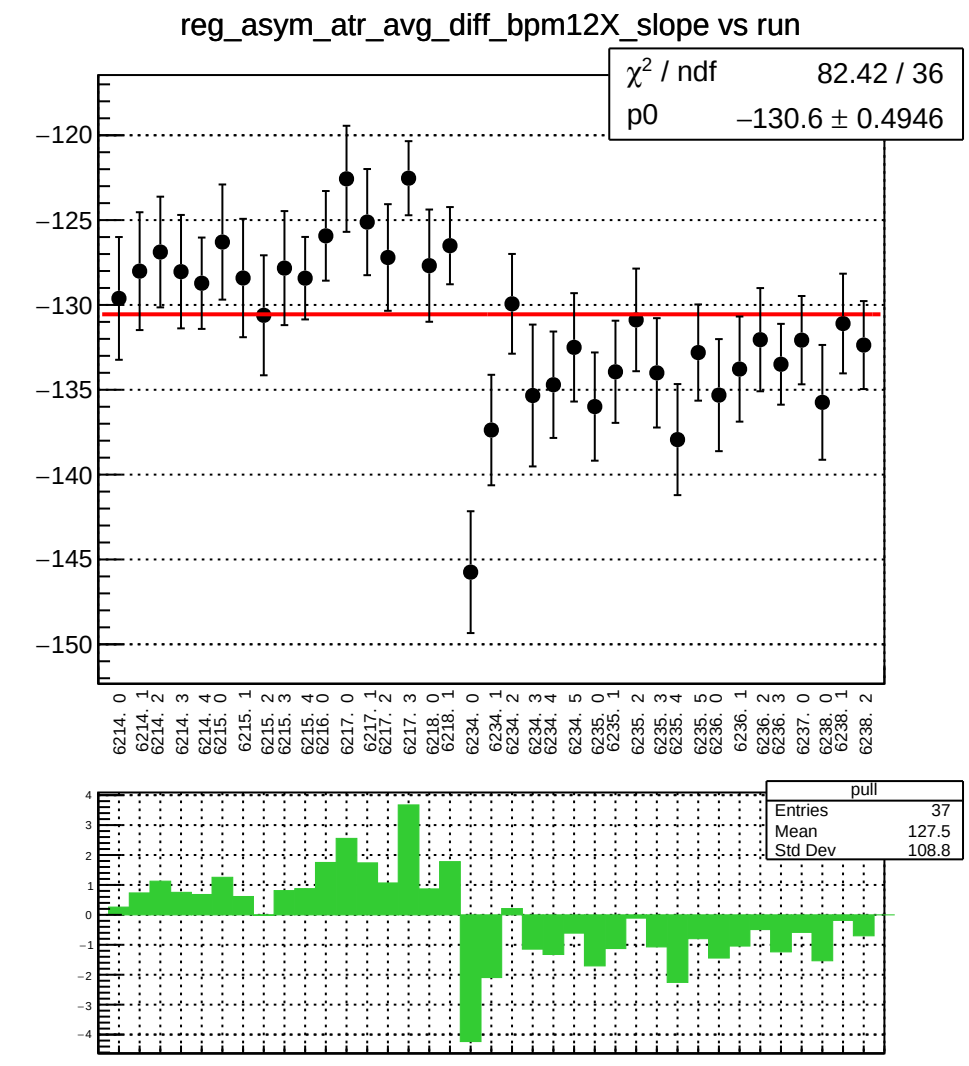

pull1D
Entries 37
Mean 0.0007172
Std Dev 0.65

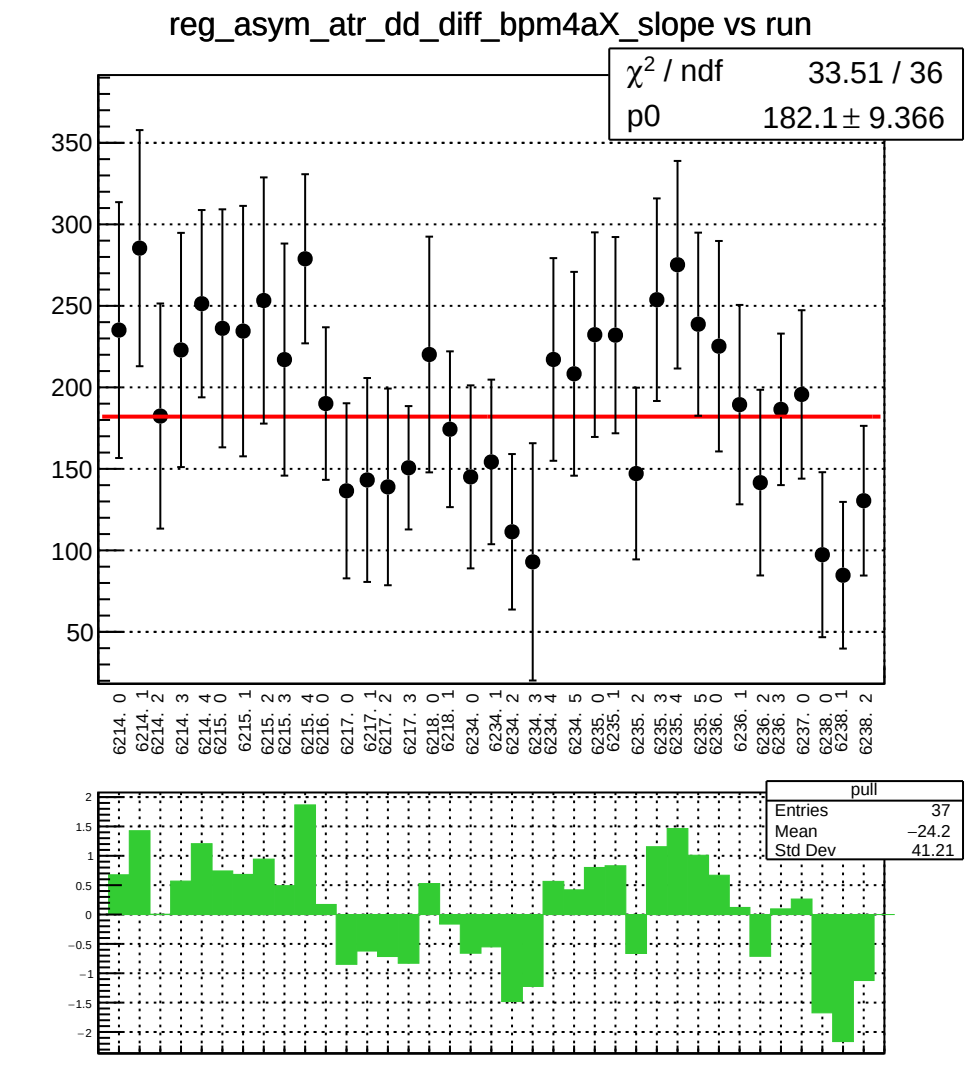

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.98 / 36
p0 351.7 ± 10.74
600
550
500
450
400
350
300
250
200
150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0.8684
Std Dev 4.177
1.5
1
0.5
0
−0.5
−1
−1.5
−2

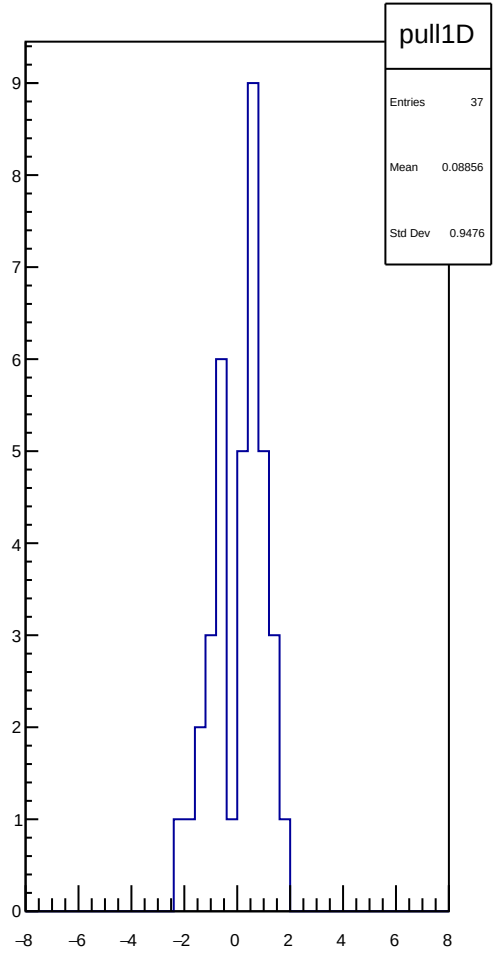

pull1D
Entries 37
Mean 0.1261
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

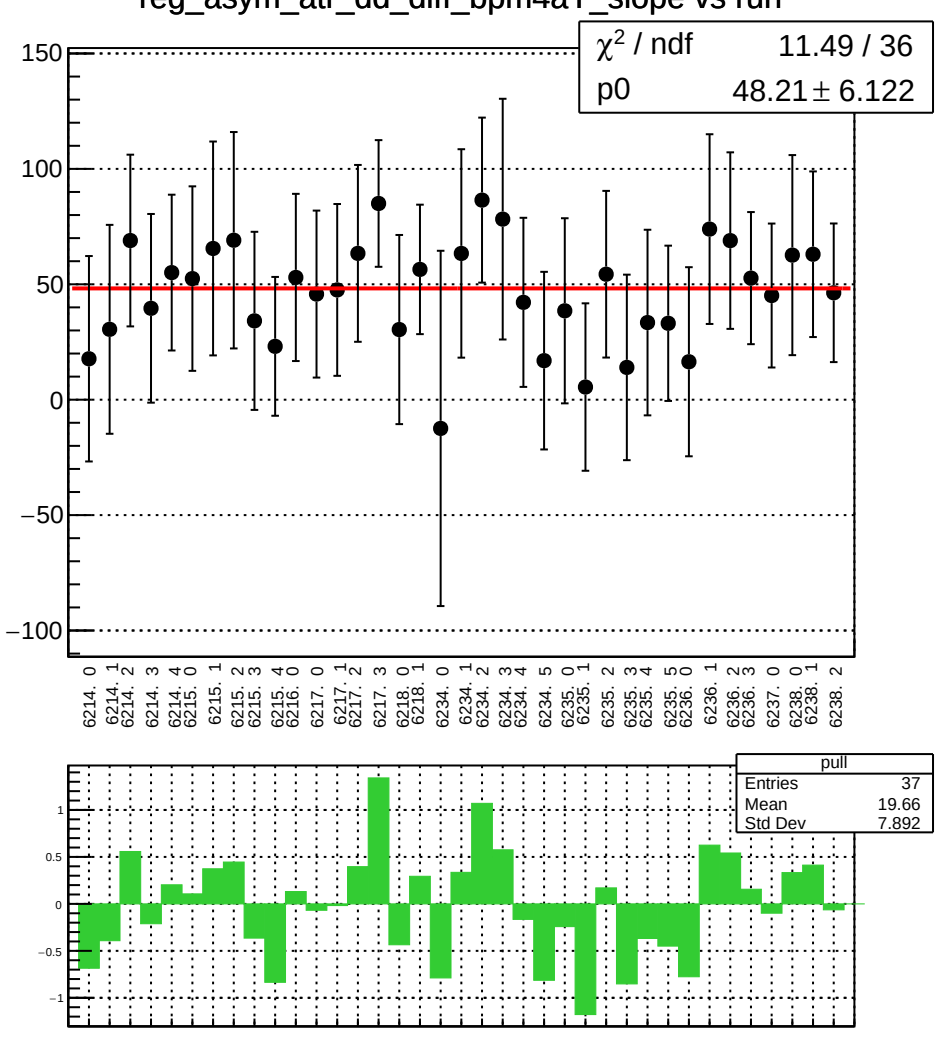

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.88 / 36
p0 94.61 ± 6.647
pull
Entries 37
Mean −75.81
Std Dev 72.99

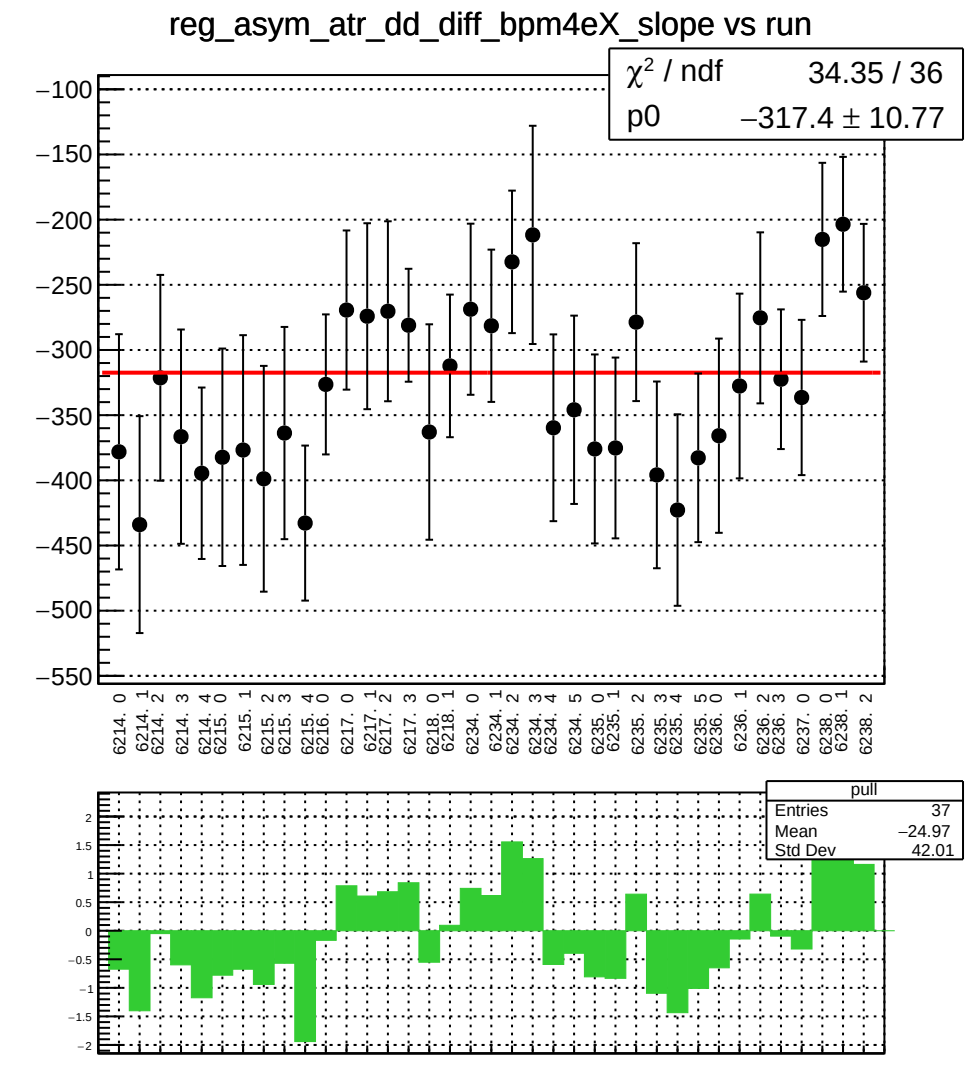

pull1D
Entries 37
Mean −0.005077
Std Dev 0.6754

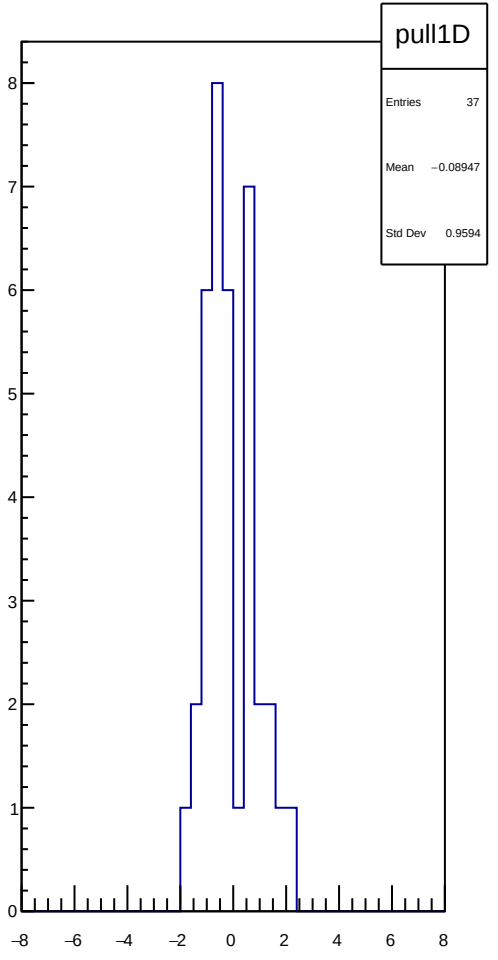

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 82.42 / 36
p0 −130.6 ± 0.4946
−120
−125
−130
−135
−140
−145
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 127.5
Std Dev 108.8
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean −0.07986
Std Dev 1.49
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

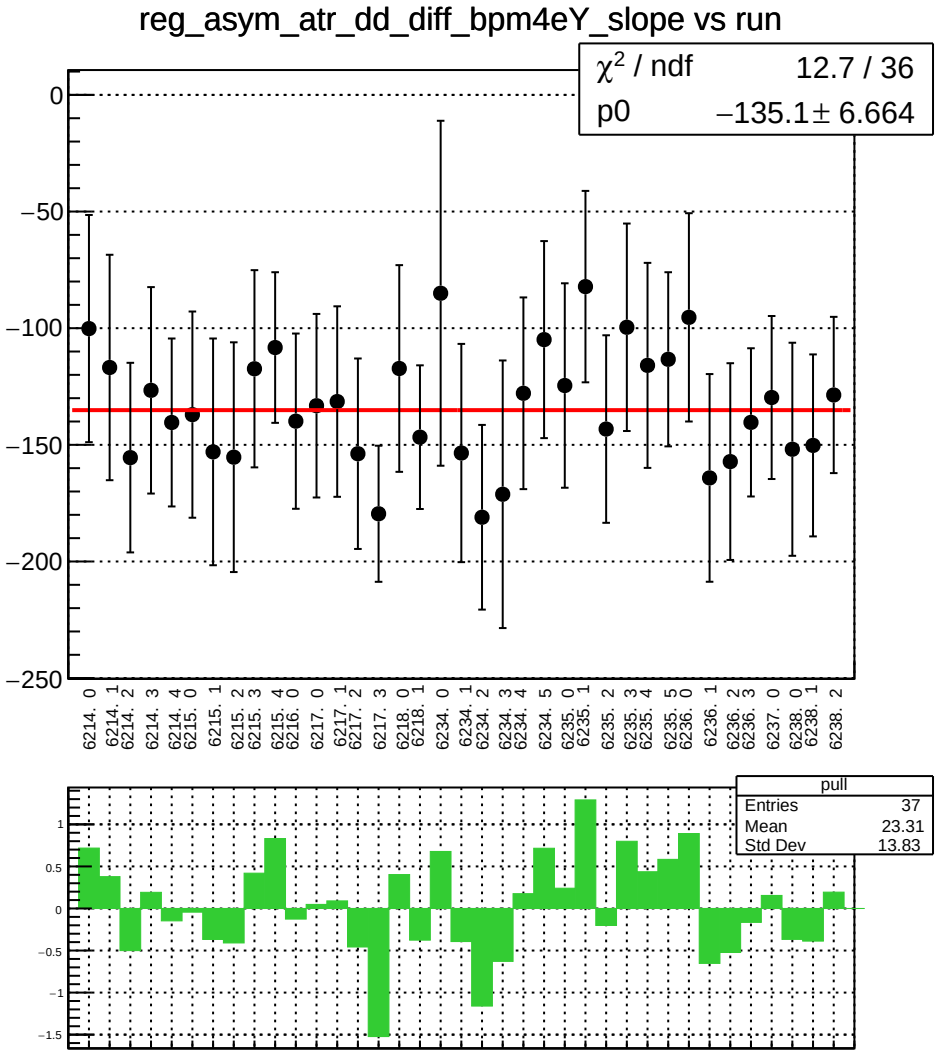

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.51 / 36
p0 182.1 ± 9.366
350
300
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −24.2
Std Dev 41.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

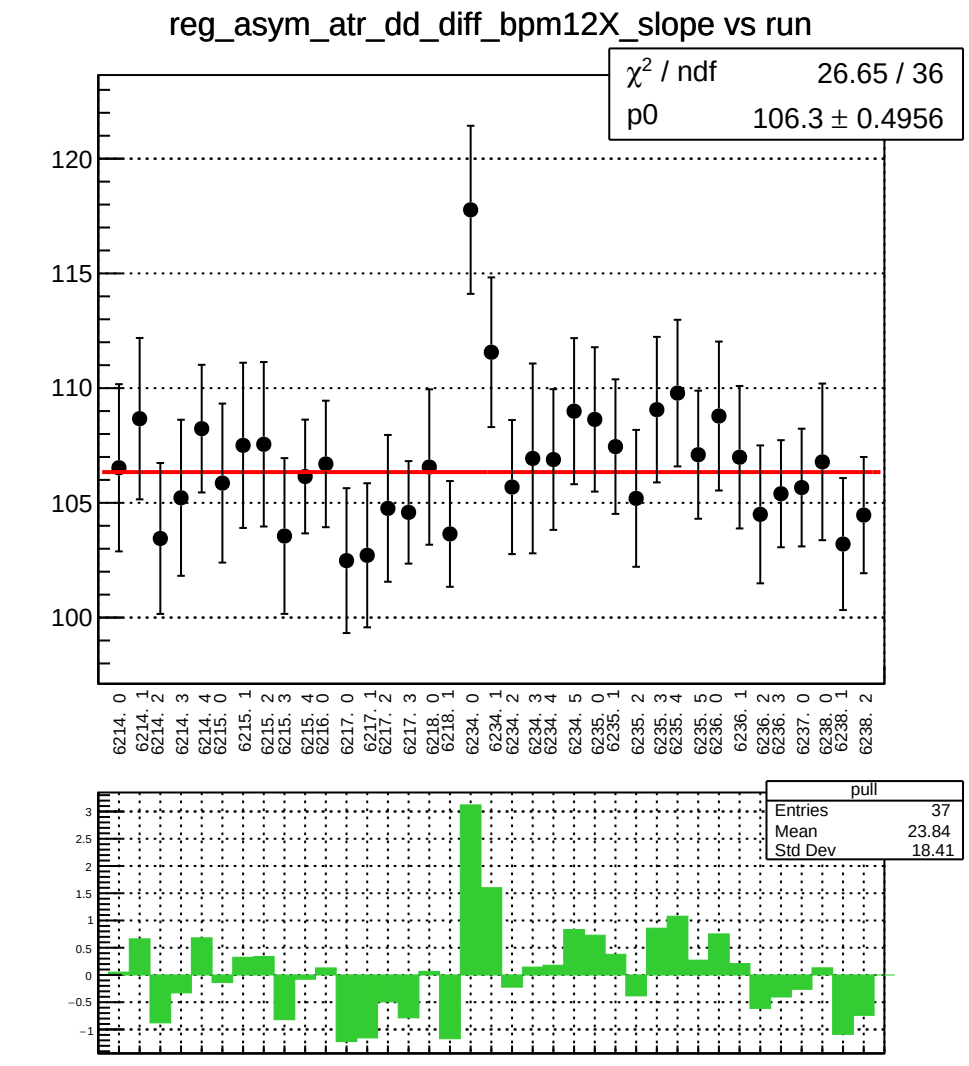

pull1D
Entries 37
Mean 0.08856
Std Dev 0.9476
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

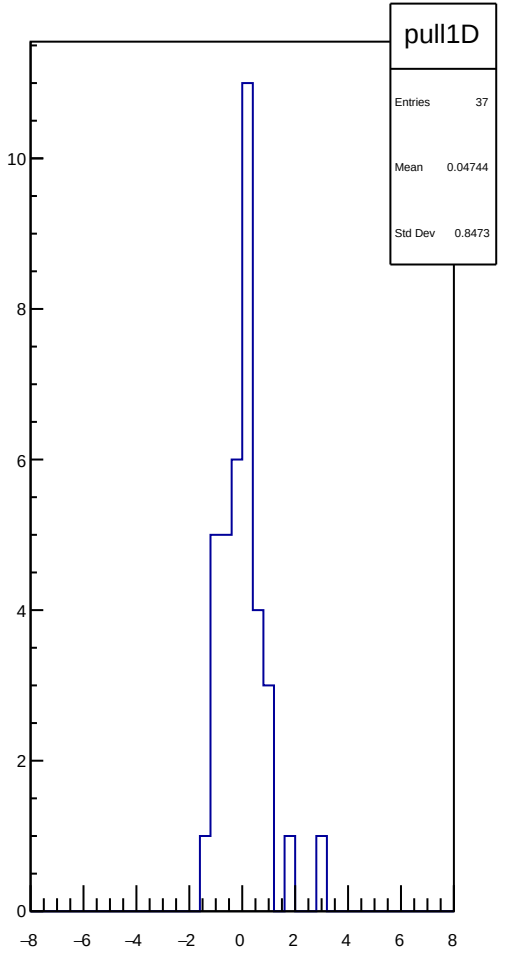

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.49 / 36
p0 48.21 ± 6.122
150
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 19.66
Std Dev 7.892
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.01978
Std Dev 0.557
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

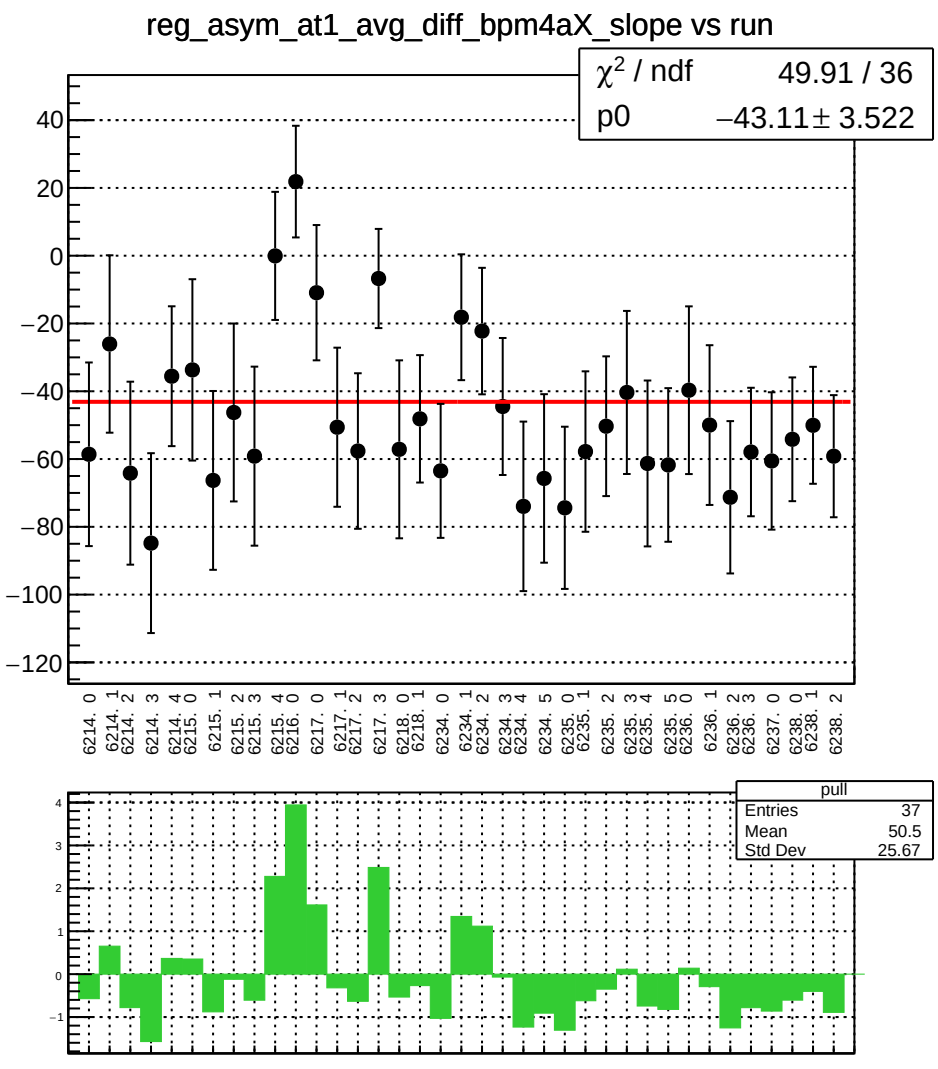

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.35 / 36
p0 −317.4 ± 10.77
−100
−150
−200
−250
−300
−350
−400
−450
−500
−550
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −24.97
Std Dev 42.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

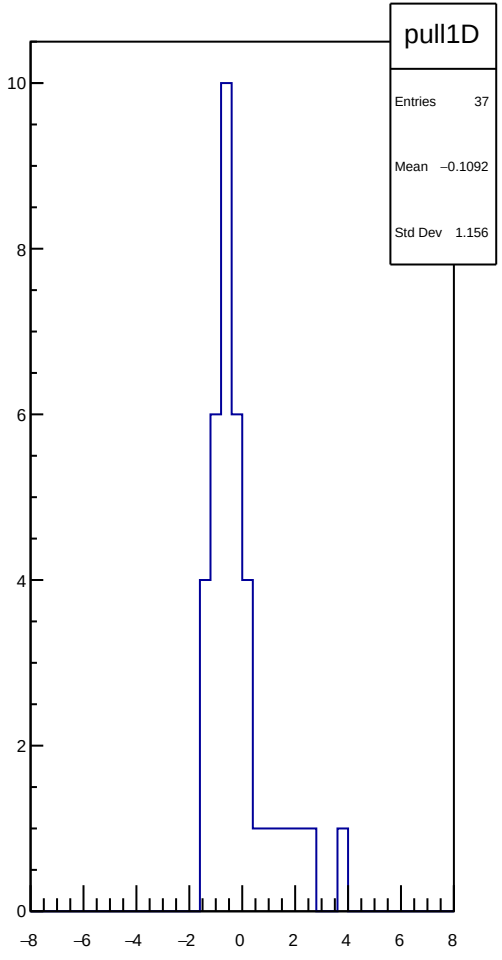

pull1D
Entries 37
Mean −0.08947
Std Dev 0.9594
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

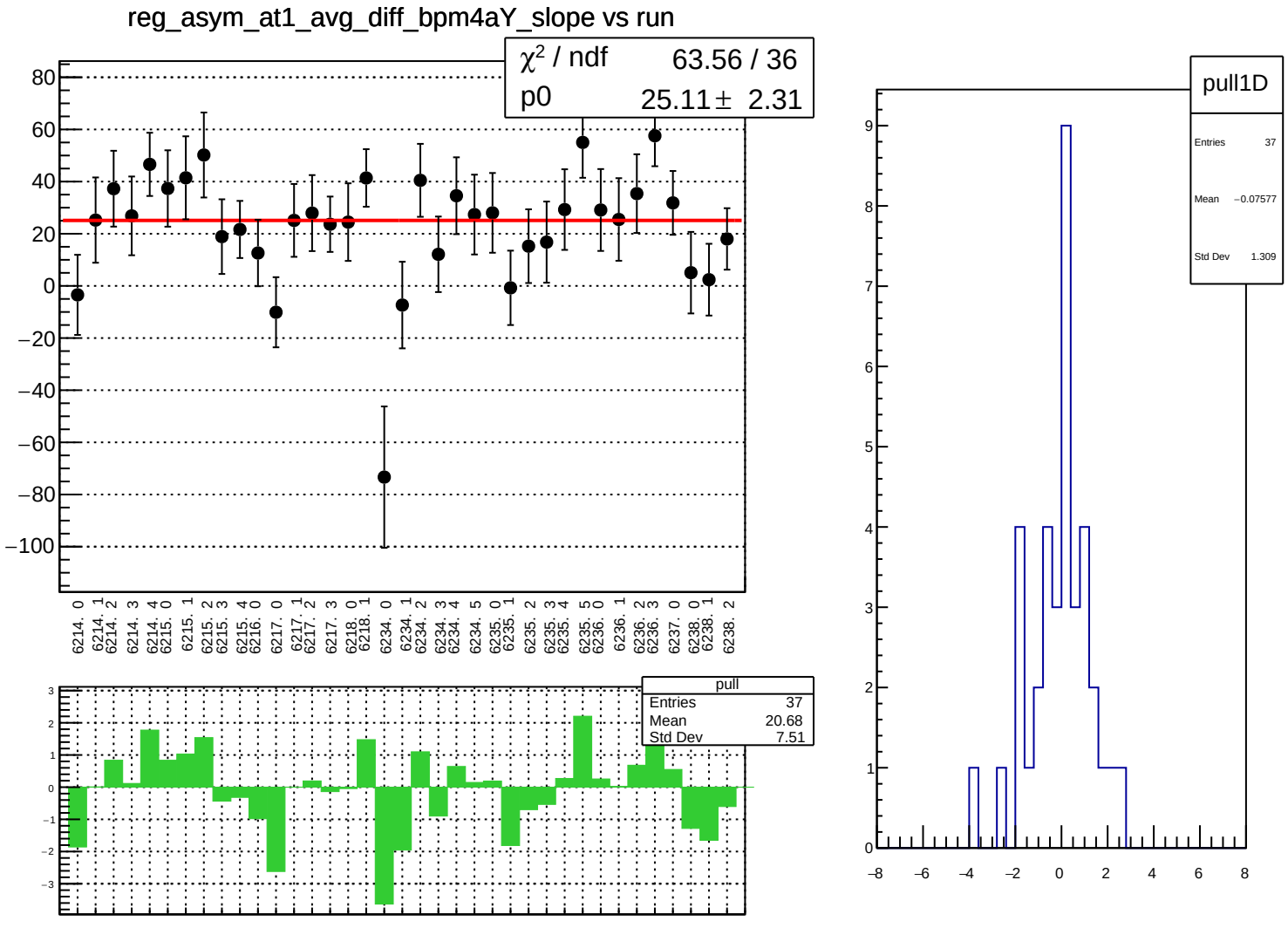

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.7 / 36
p0 −135.1 ± 6.664
0
−50
−100
−150
−200
−250
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 23.31
Std Dev 13.83
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02189
Std Dev 0.5854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

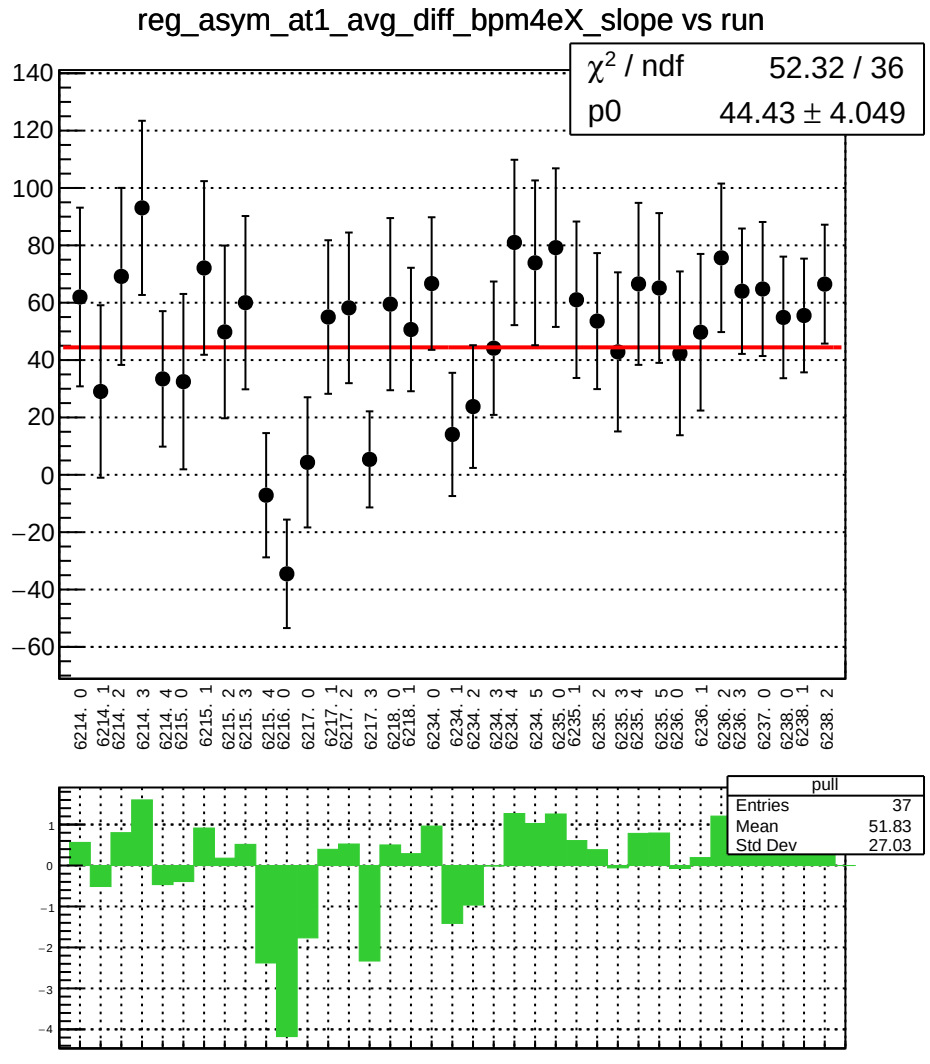

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 26.65 / 36
p0 106.3 ± 0.4956
120
115
110
105
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 23.84
Std Dev 18.41
3
2.5
2
1.5
1
0.5
0
−0.5
−1

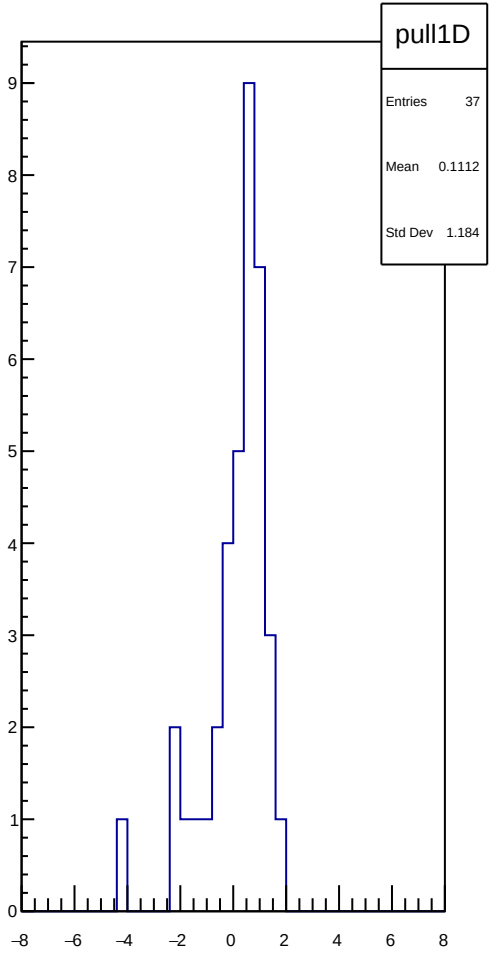

pull1D
Entries 37
Mean 0.04744
Std Dev 0.8473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

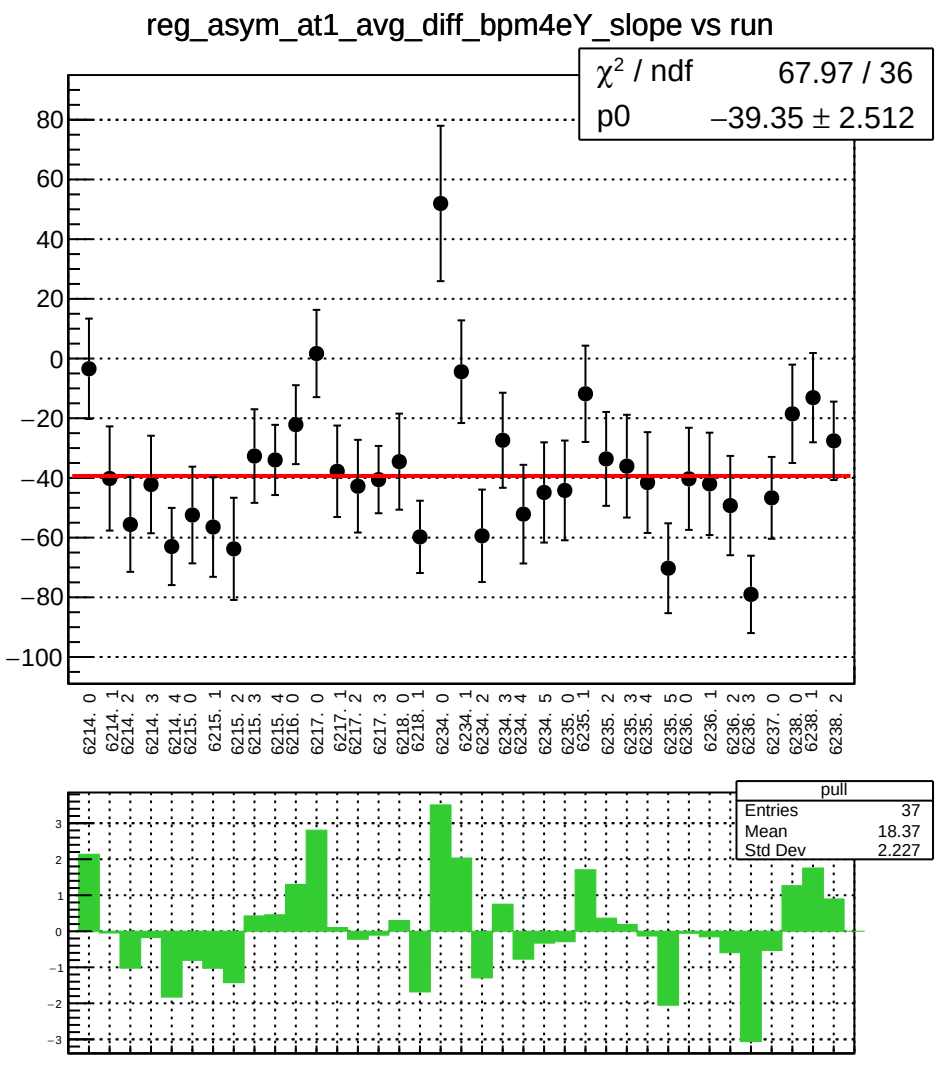

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 49.91 / 36
p0 −43.11 ± 3.522
40
20
0
−20
−40
−60
−80
−100
−120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 50.5
Std Dev 25.67
4
3
2
1
0
−1

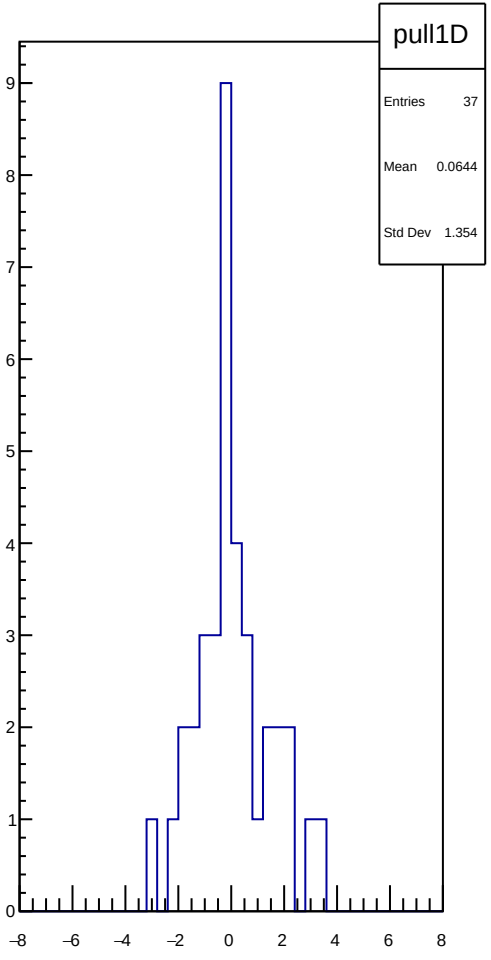

pull1D
Entries 37
Mean −0.1092
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

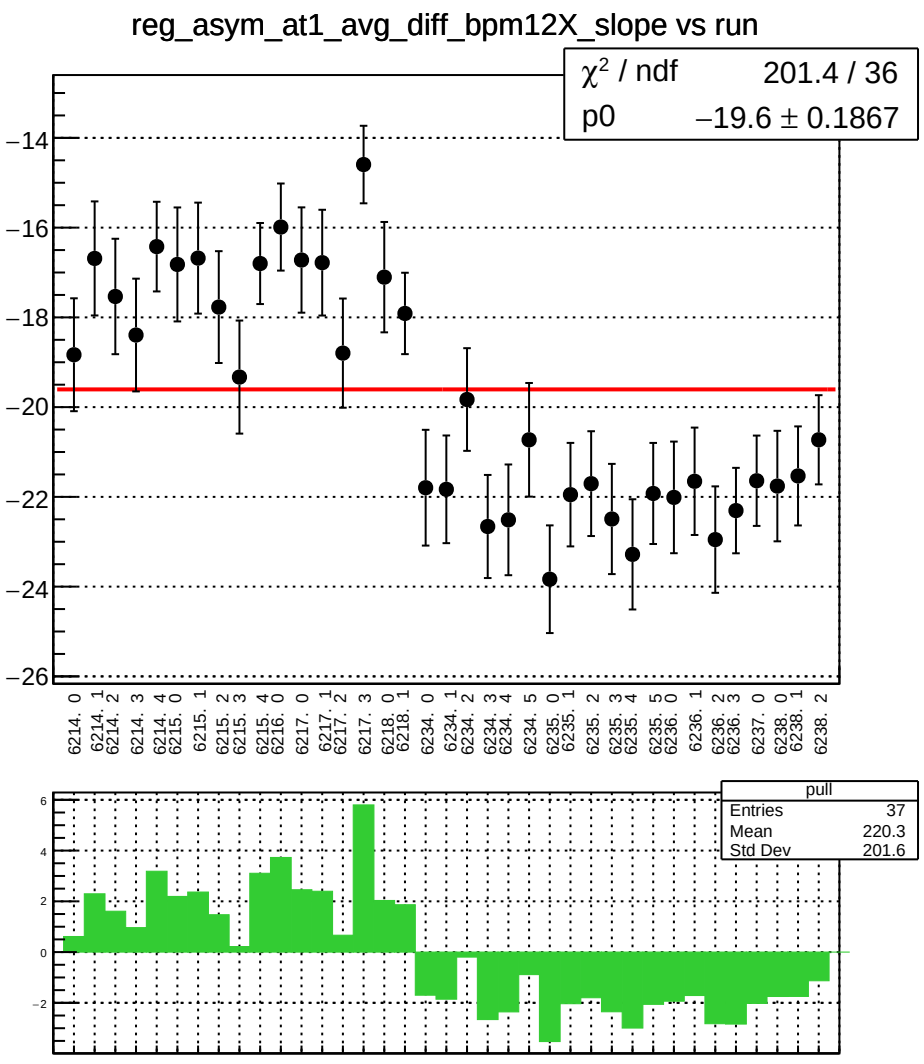

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.56 / 36
p0 25.11 ± 2.31
80
60
40
20
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 20.68
Std Dev 7.51
3
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.07577
Std Dev 1.309
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

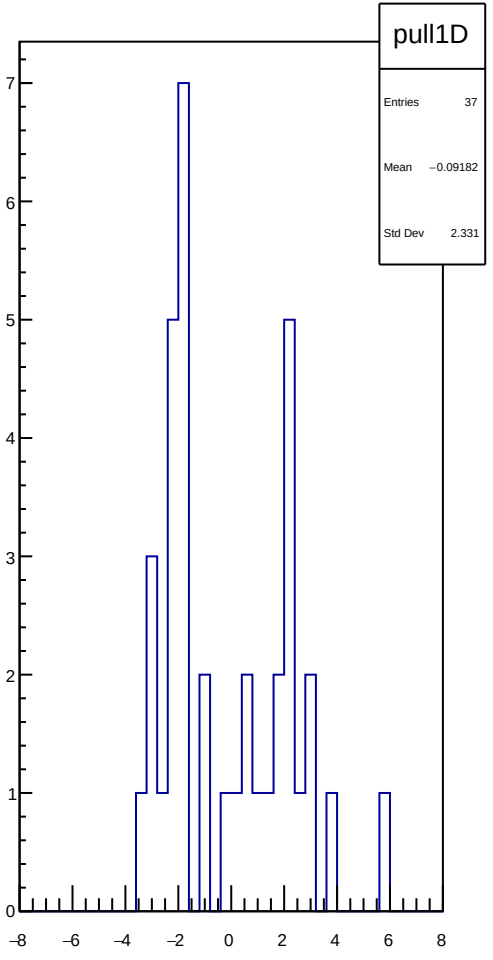

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.32 / 36
p0 44.43 ± 4.049
pull
Entries 37
Mean 51.83
Std Dev 27.03

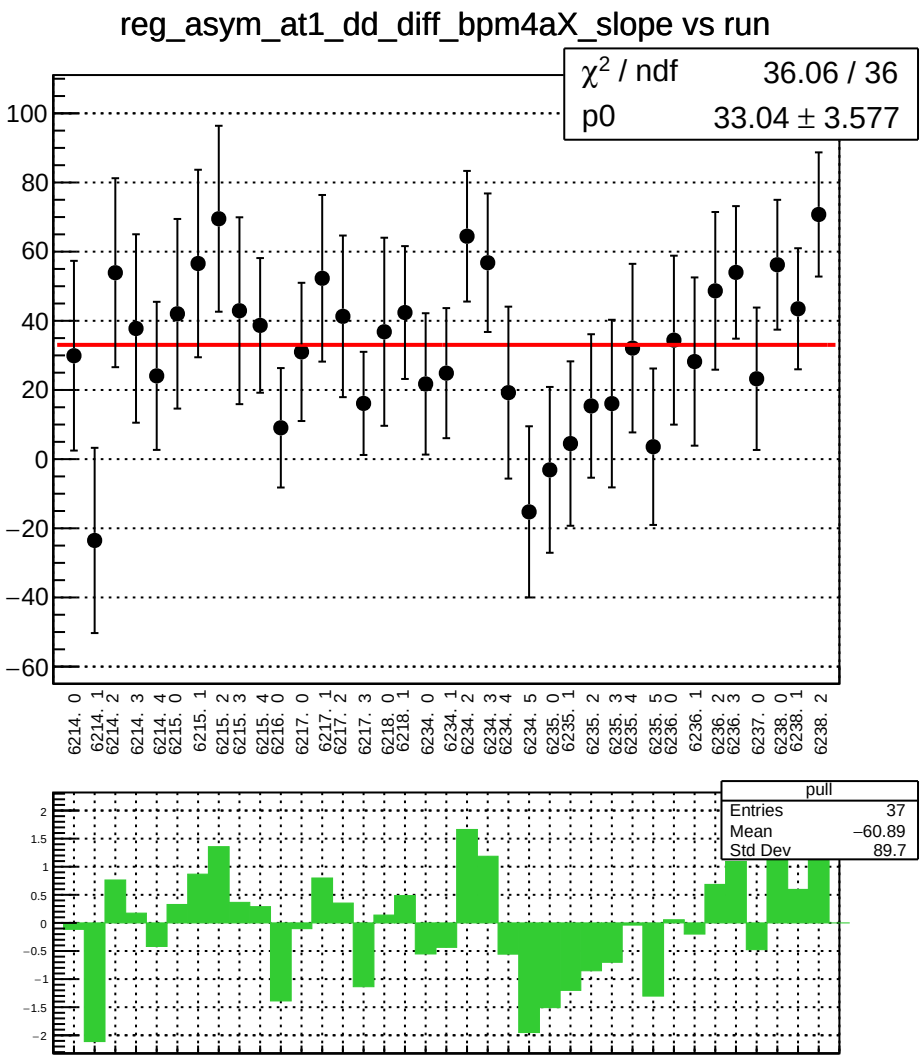

pull1D
Entries 37
Mean 0.1112
Std Dev 1.184

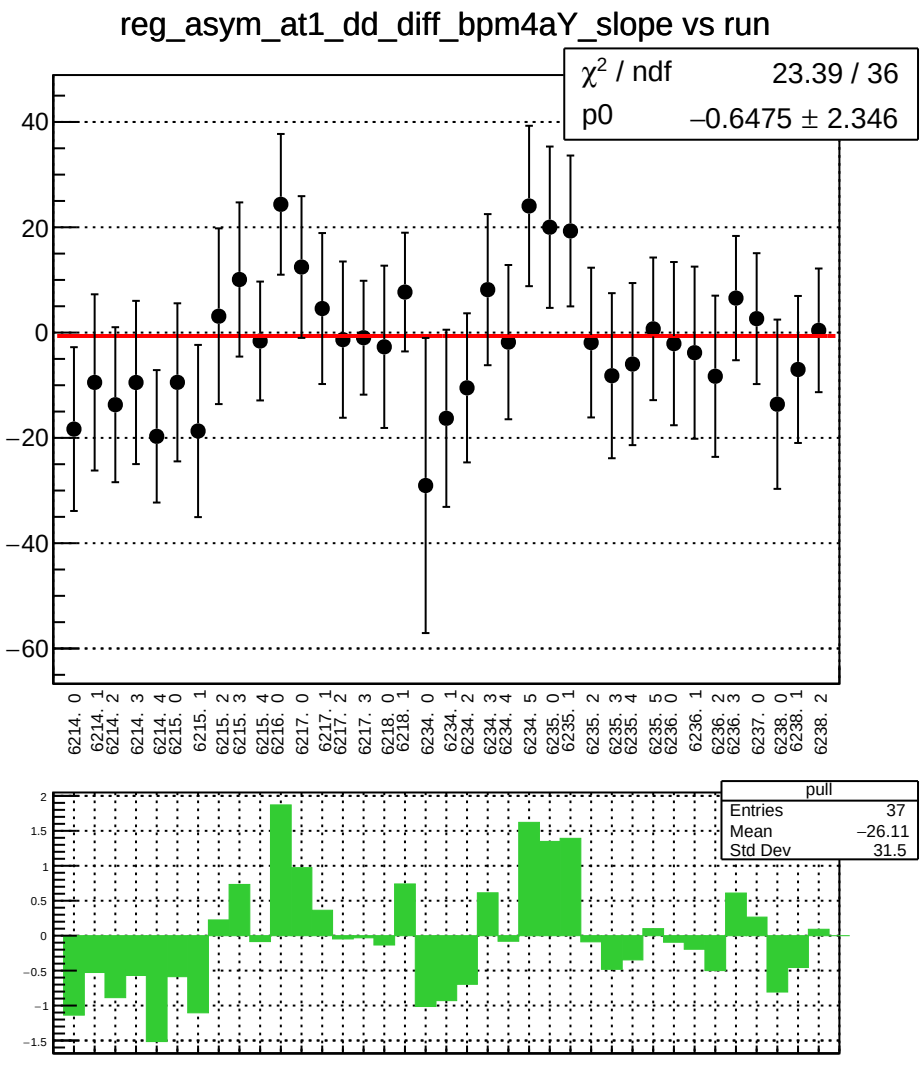

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.97 / 36
p0 −39.35 ± 2.512
80
60
40
20
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 18.37
Std Dev 2.227
3
2
1
0
−1
−2
−3

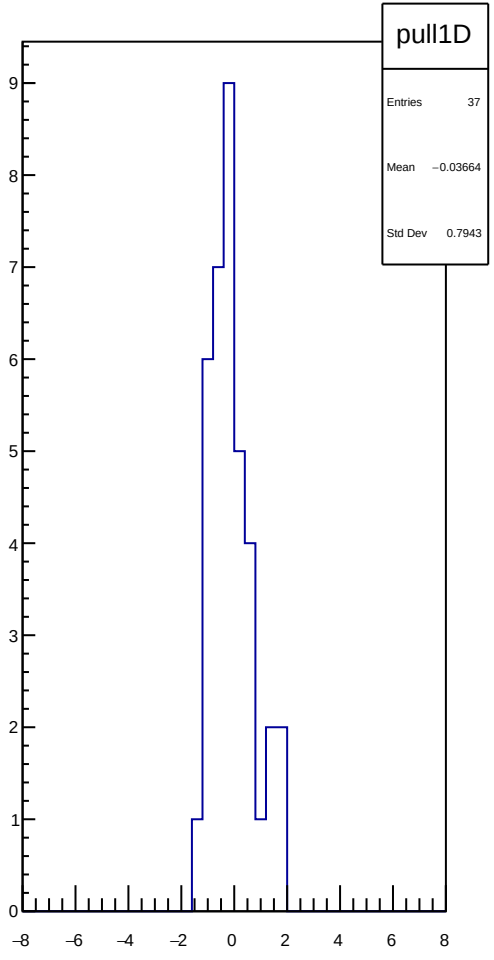

pull1D
Entries 37
Mean 0.0644
Std Dev 1.354
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

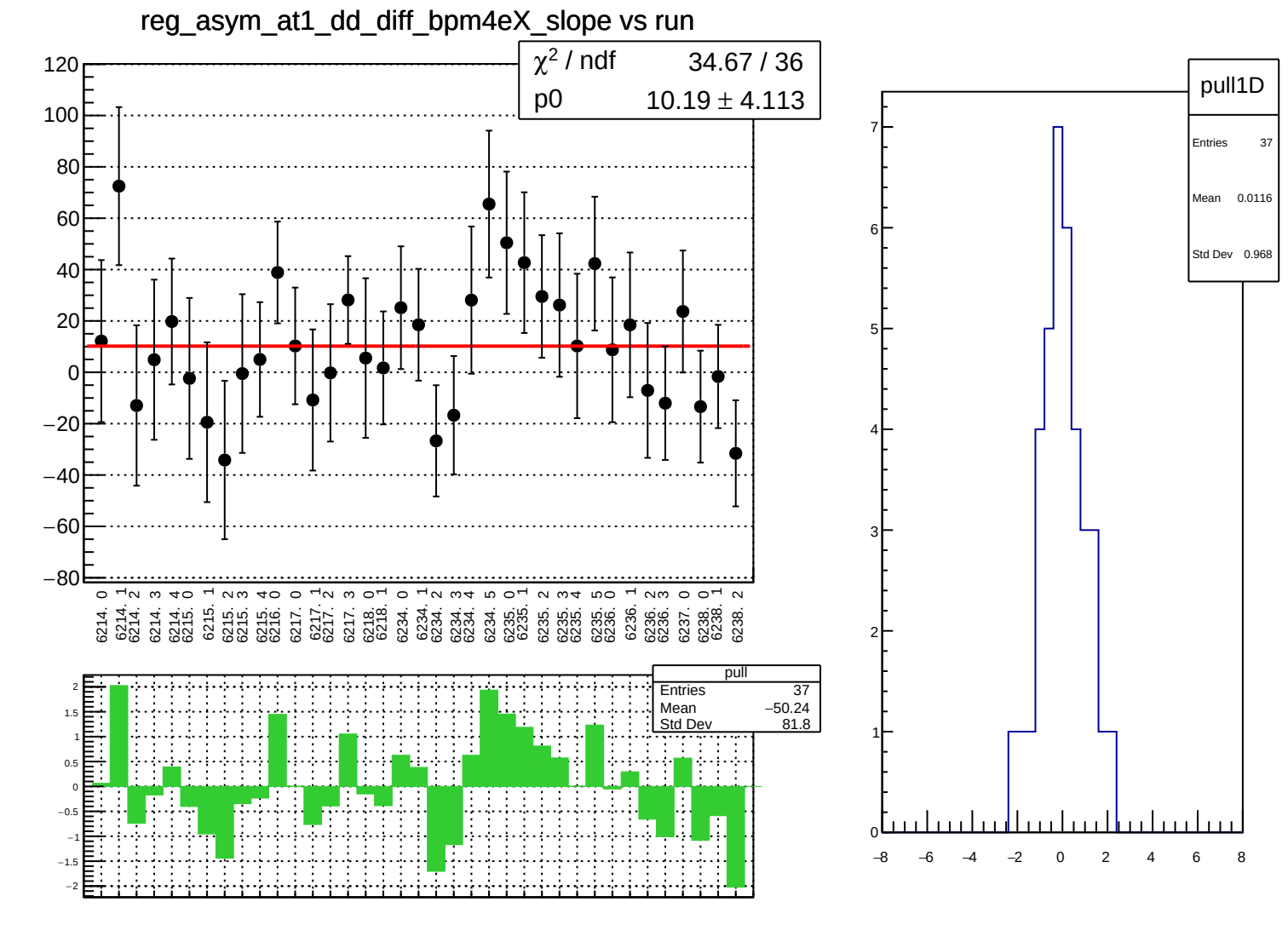

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 201.4 / 36
p0 −19.6 ± 0.1867
−14
−16
−18
−20
−22
−24
−26
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 220.3
Std Dev 201.6
6
4
2
0
−2

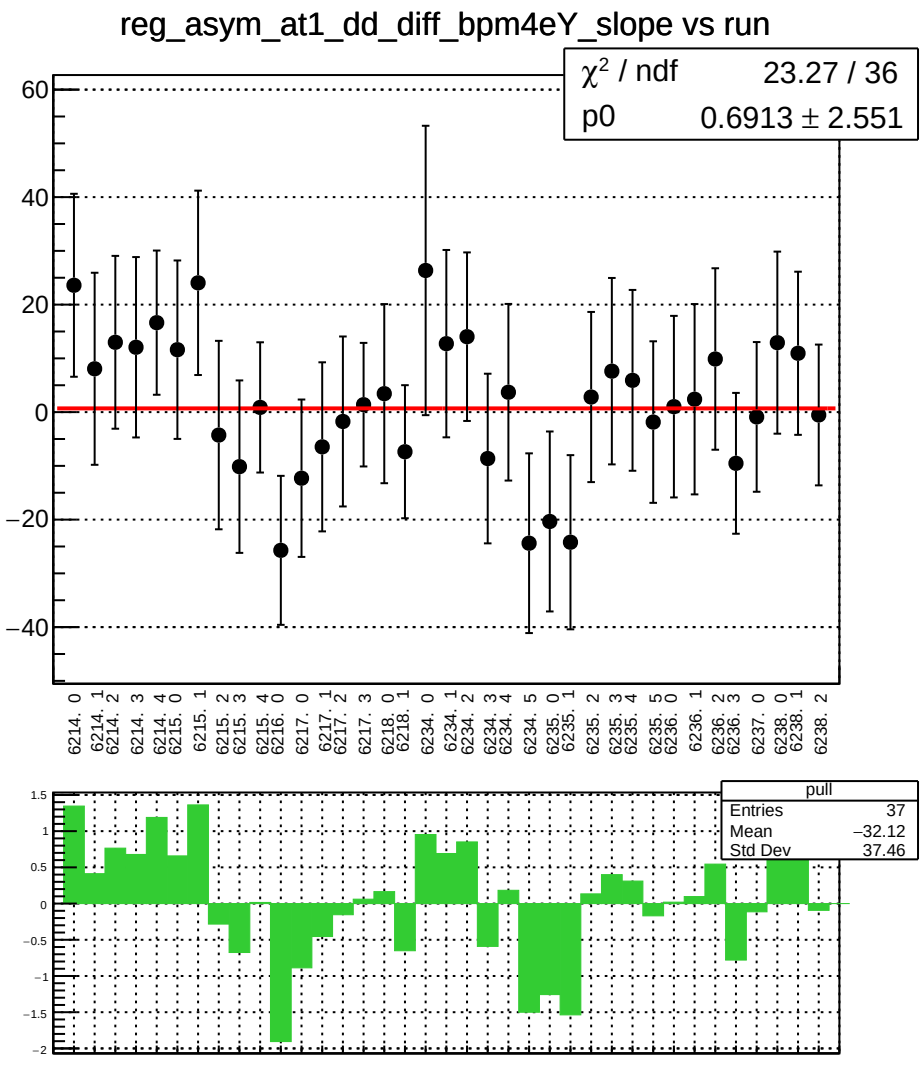

pull1D
Entries 37
Mean −0.09182
Std Dev 2.331
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

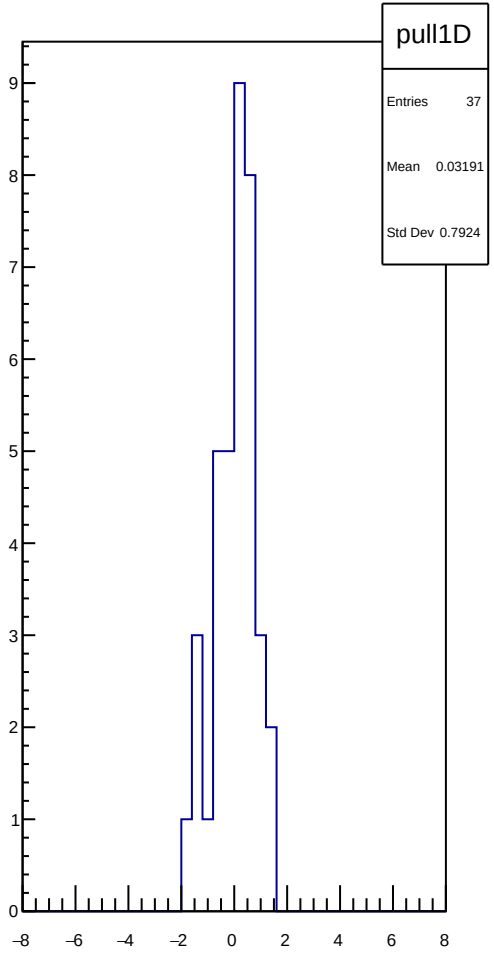

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.06 / 36
p0 33.04 ± 3.577
100
80
60
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −60.89
Std Dev 89.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01361
Std Dev 0.9871
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

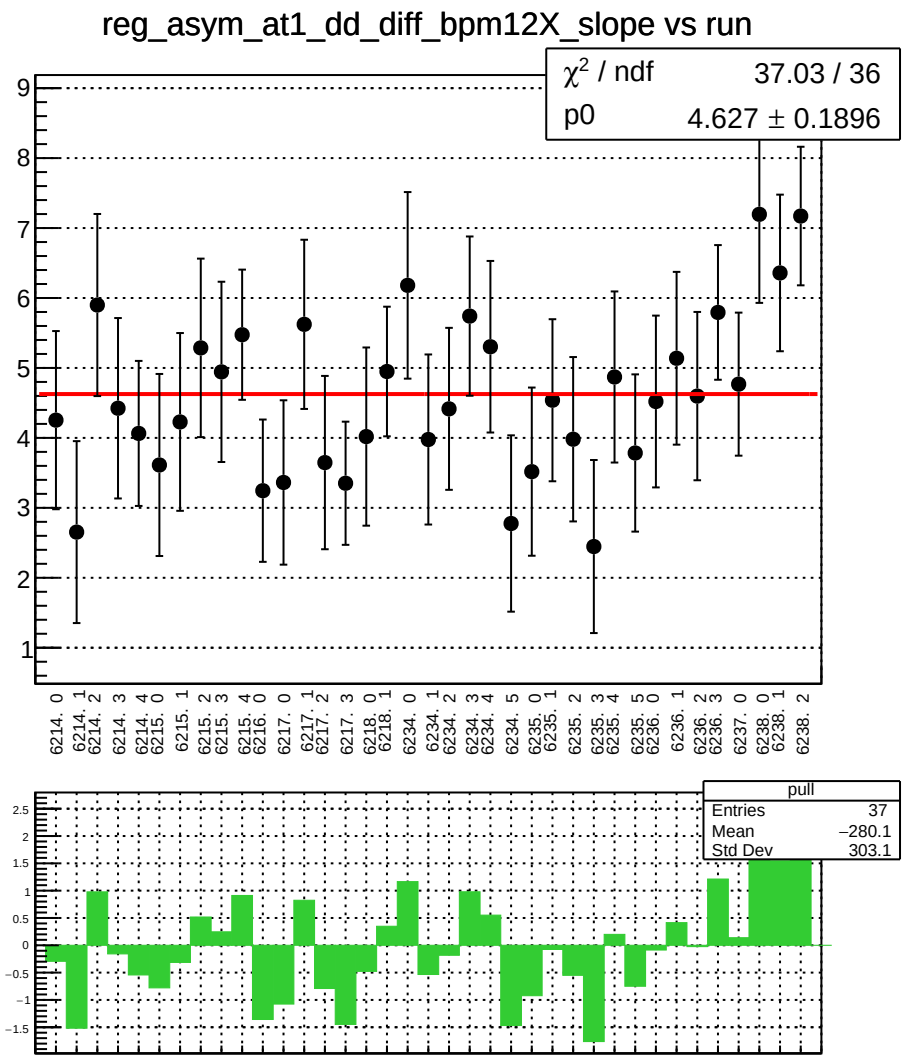

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.39 / 36
p0 −0.6475 ± 2.346
40
20
0
−20
−40
−60
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −26.11
Std Dev 31.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

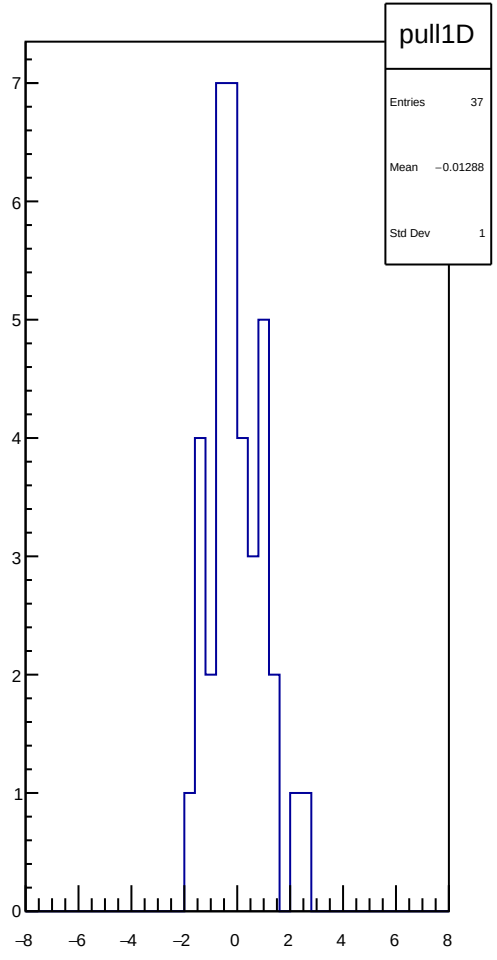

pull1D
Entries 37
Mean −0.03664
Std Dev 0.7943
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

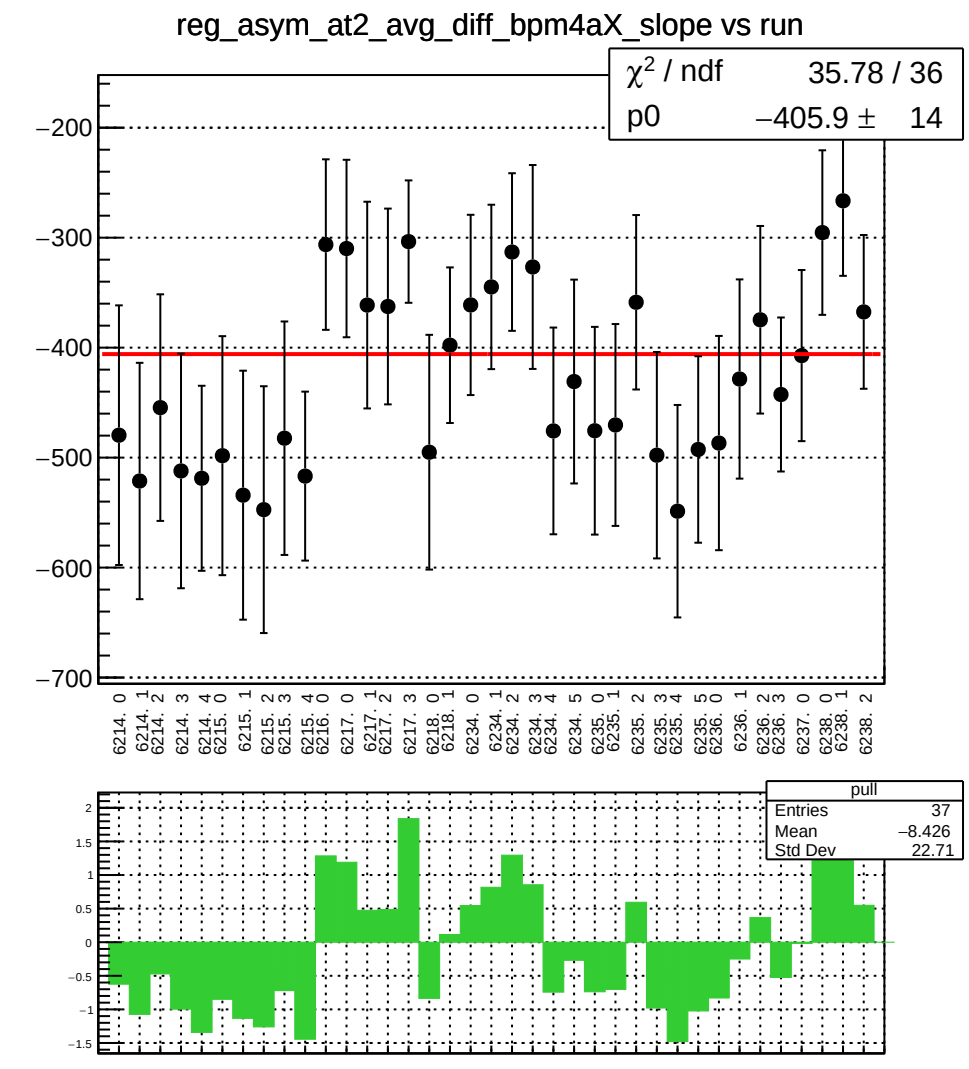

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.67 / 36
p0 10.19 ± 4.113
pull
Entries 37
Mean −50.24
Std Dev 81.8
pull1D
Entries 37
Mean 0.0116
Std Dev 0.968

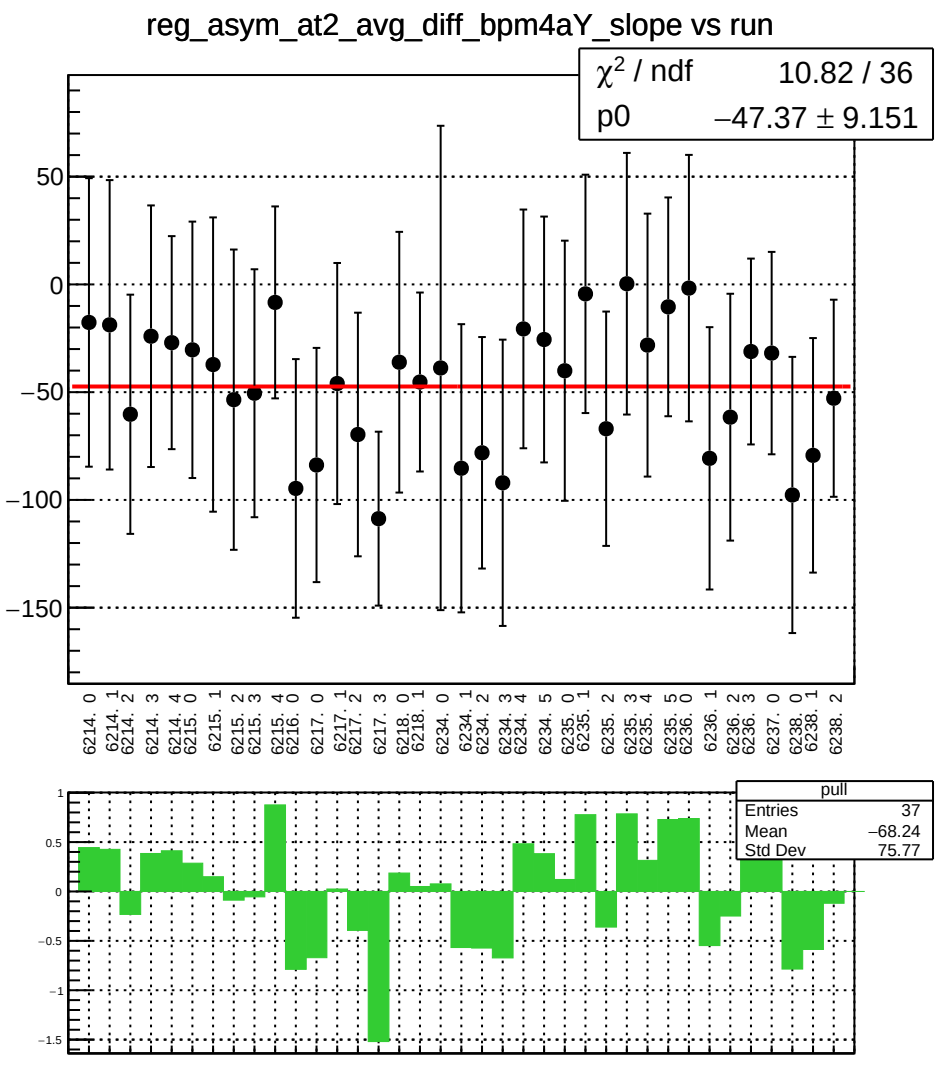

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.27 / 36
p0 0.6913 ± 2.551
pull
Entries 37
Mean −32.12
Std Dev 37.46

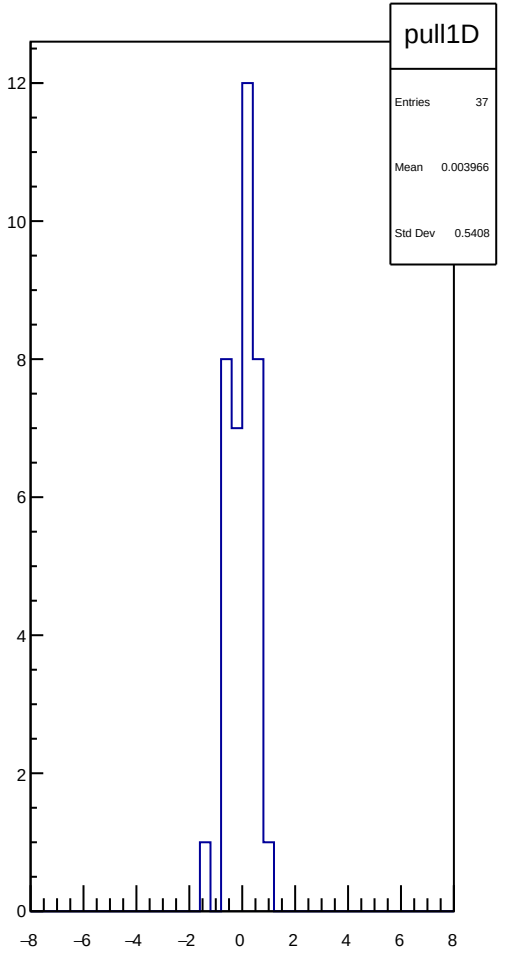

pull1D
Entries 37
Mean 0.03191
Std Dev 0.7924

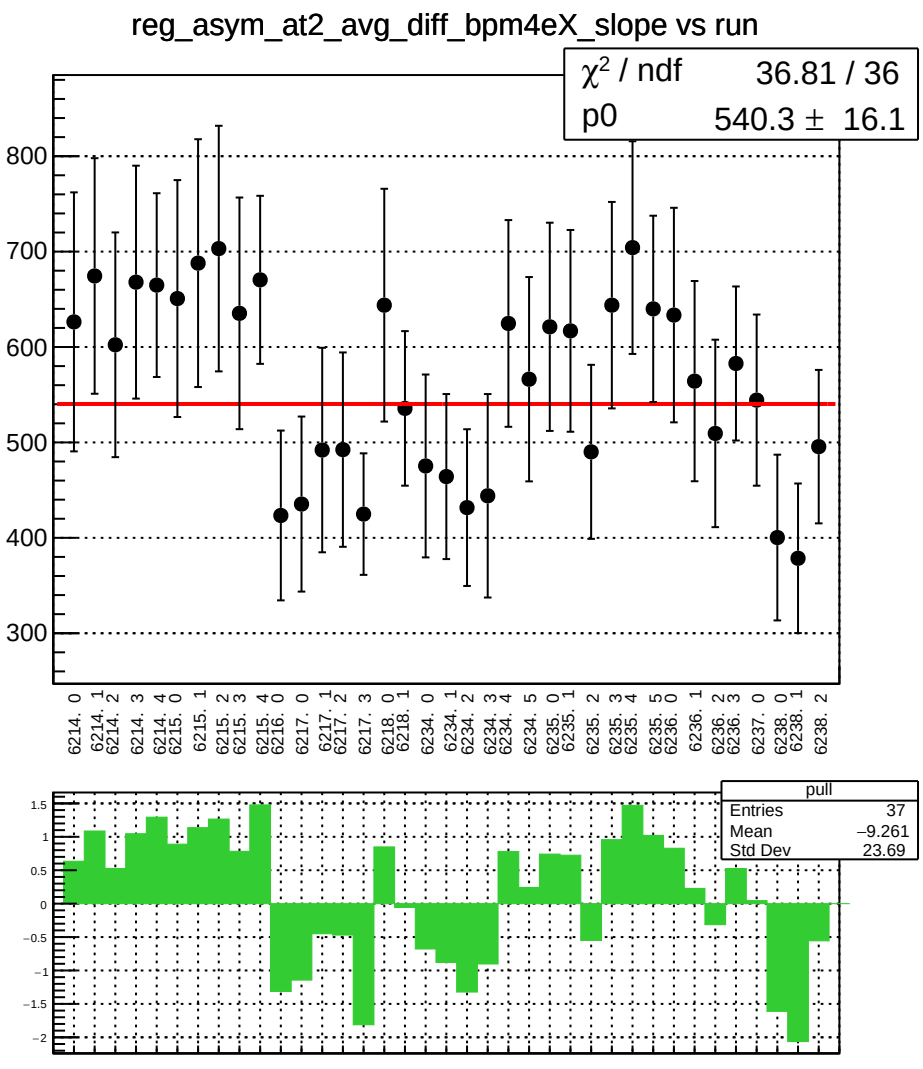

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 37.03 / 36
p0 4.627 ± 0.1896
pull
Entries 37
Mean −280.1
Std Dev 303.1

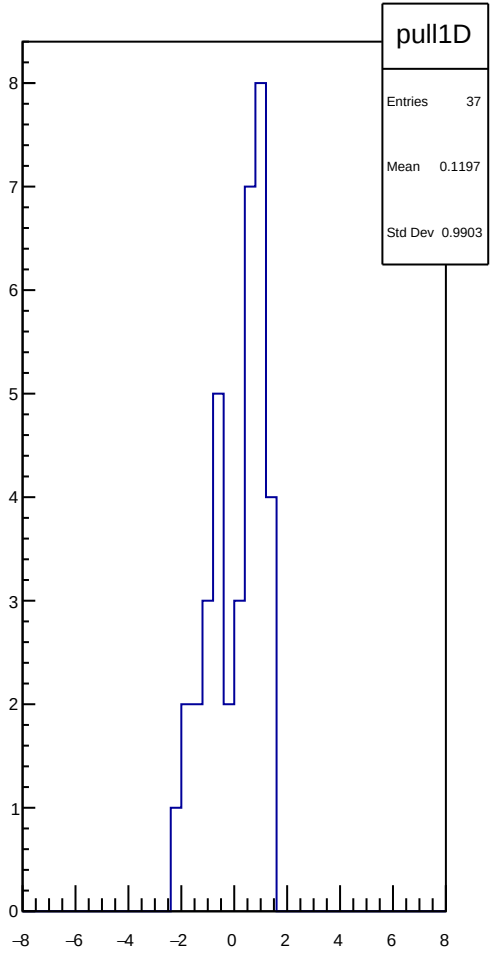

pull1D
Entries 37
Mean −0.01288
Std Dev 1

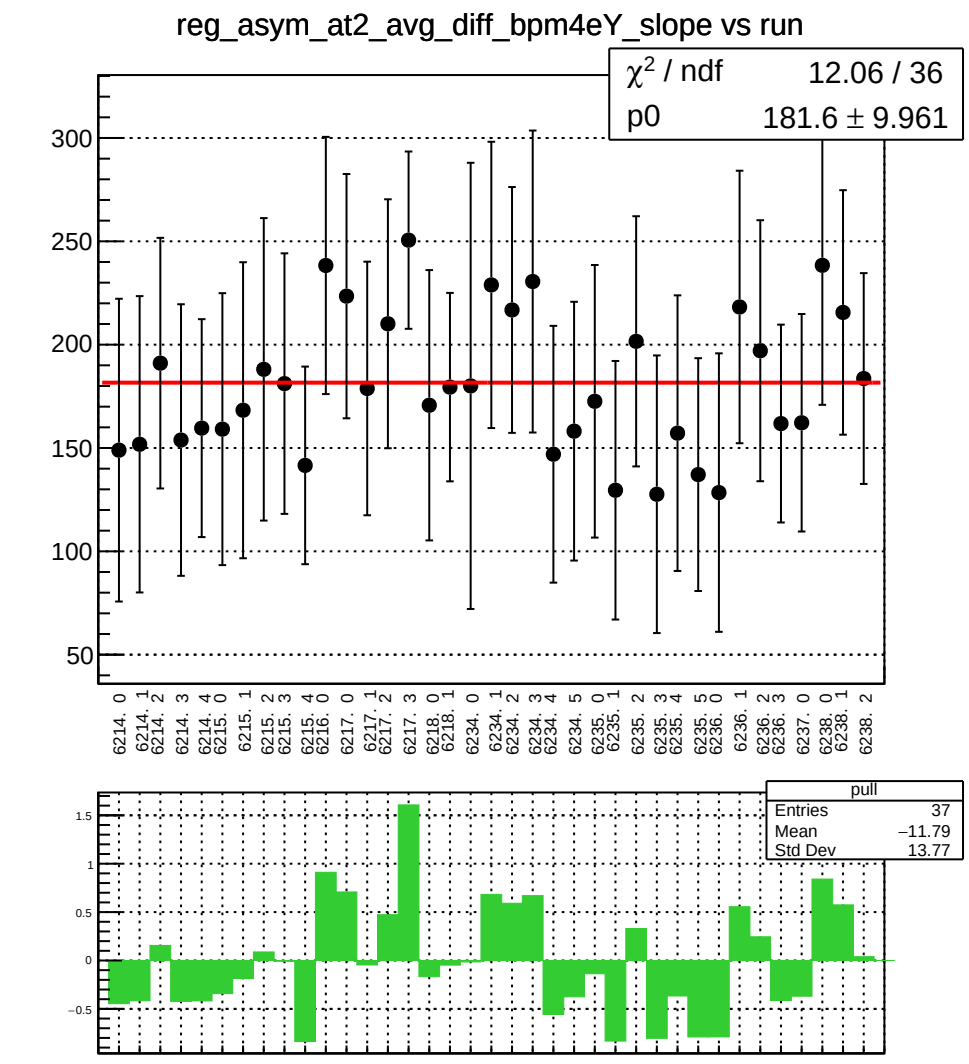

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 35.78 / 36
p0 −405.9 ± 14
−200
−300
−400
−500
−600
−700
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −8.426
Std Dev 22.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1183
Std Dev 0.9762
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

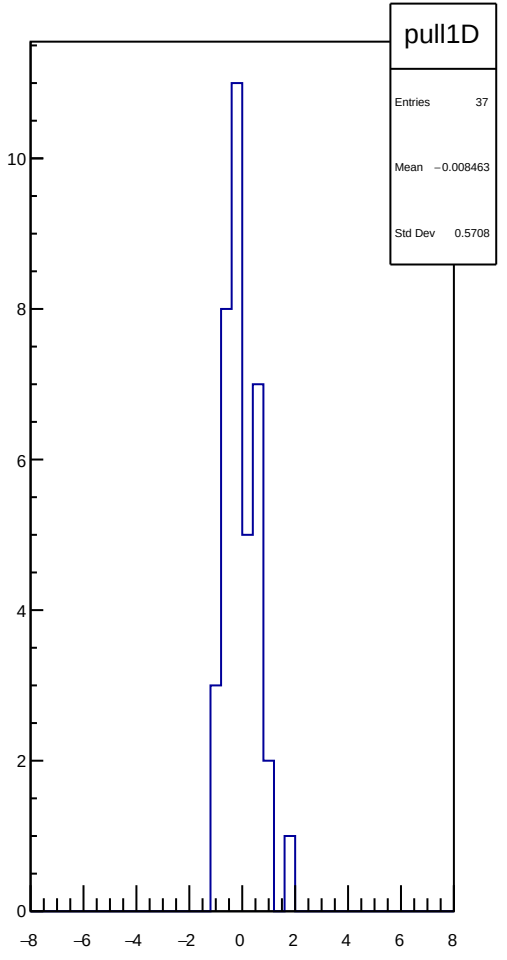

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.82 / 36
p0 −47.37 ± 9.151
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −68.24
Std Dev 75.77
1
0.5
0
−0.5
−1
−1.5

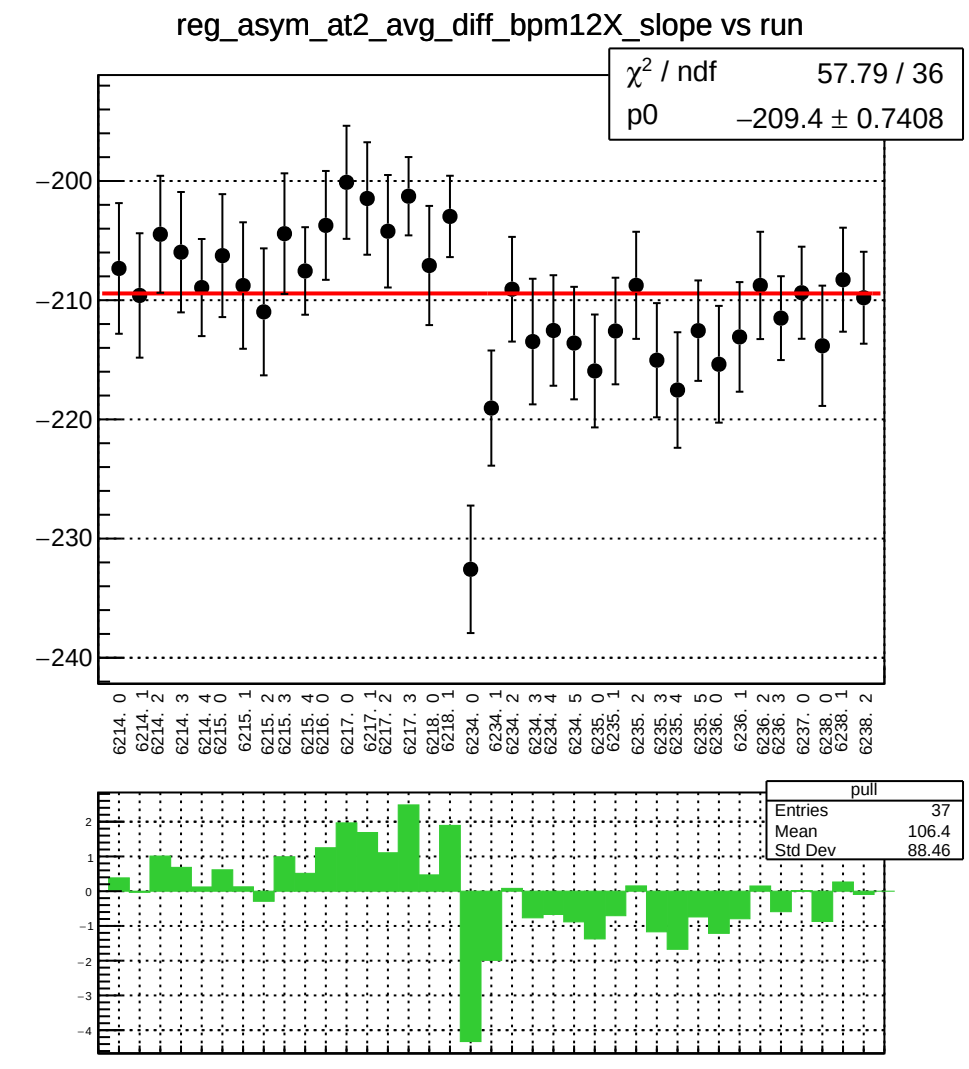

pull1D
Entries 37
Mean 0.003966
Std Dev 0.5408
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

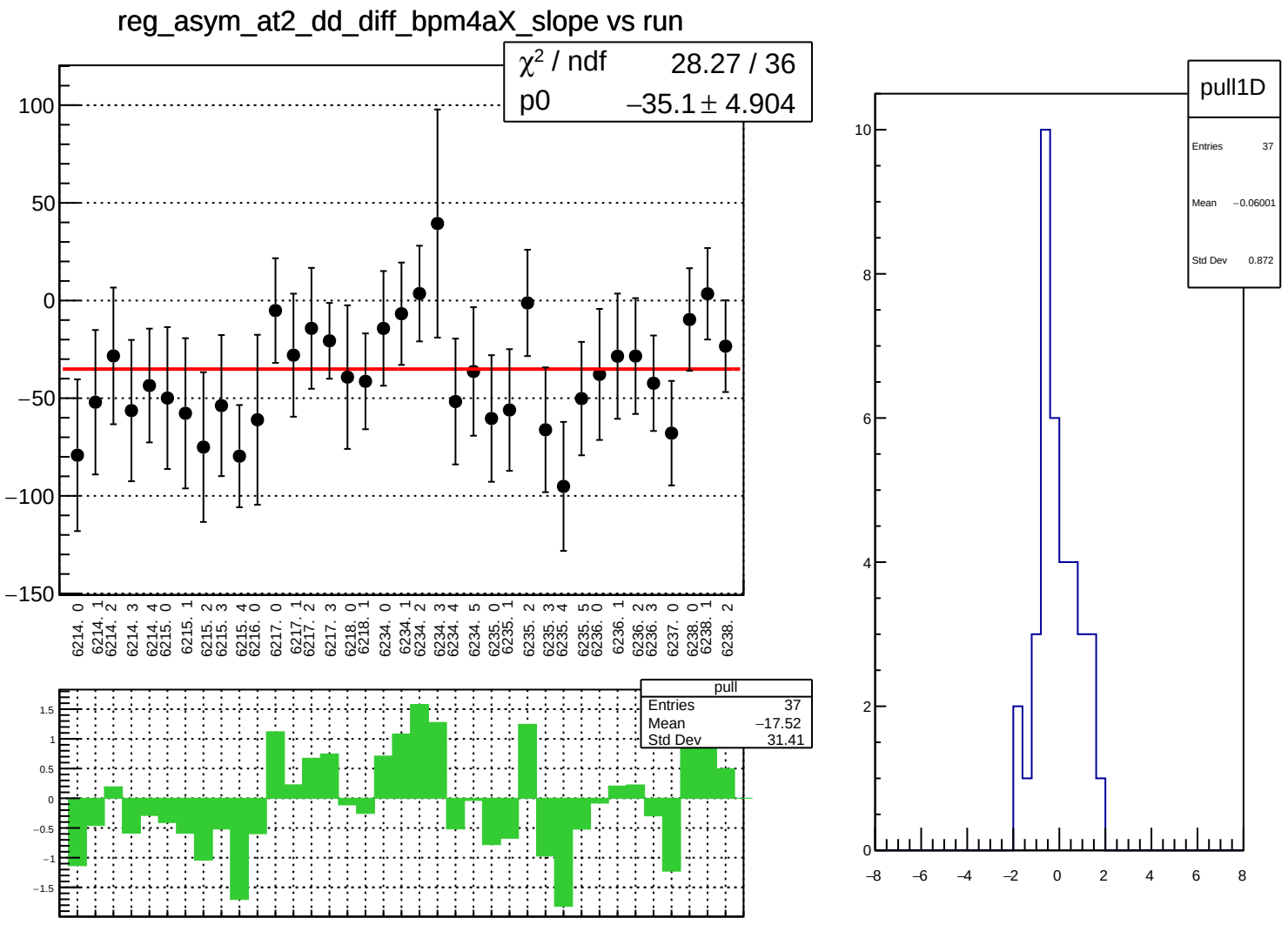

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.81 / 36
p0 540.3 ± 16.1
800
700
600
500
400
300
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −9.261
Std Dev 23.69
1.5
1
0.5
0
−0.5
−1
−1.5
−2

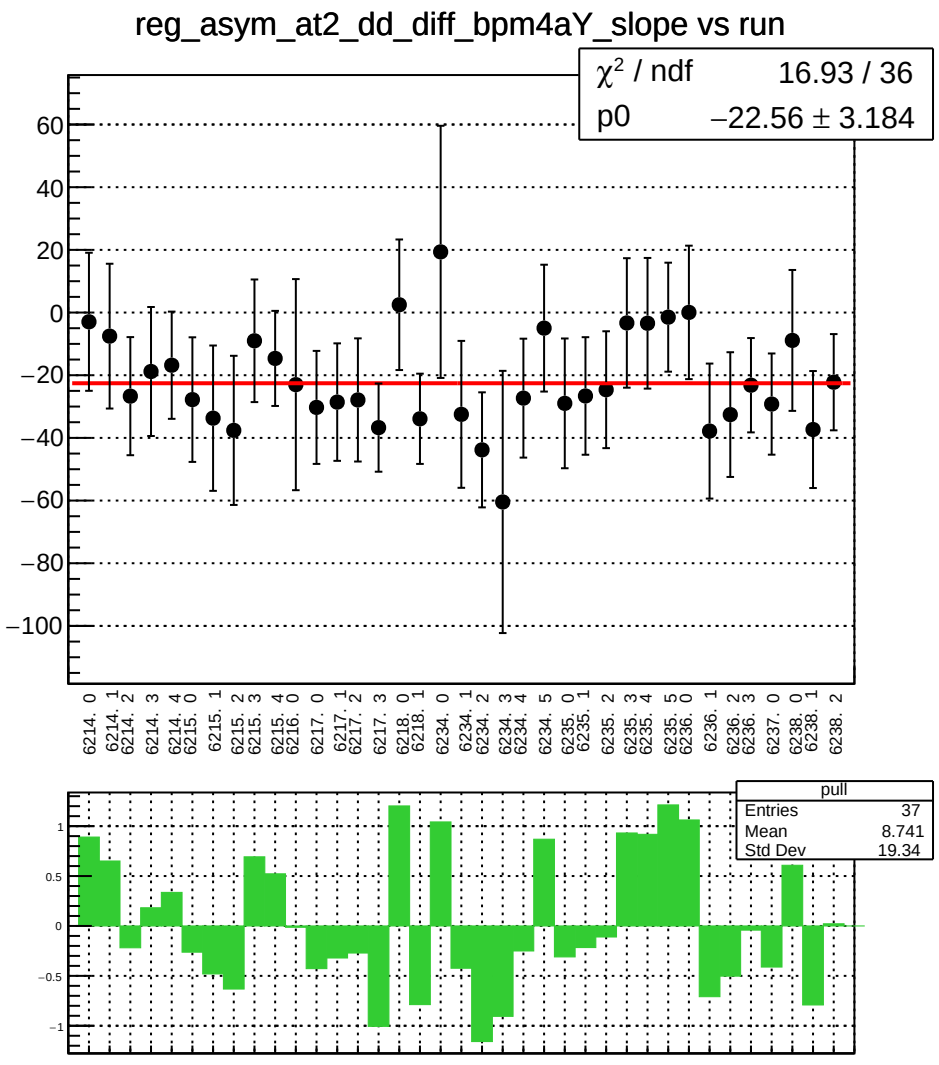

pull1D
Entries 37
Mean 0.1197
Std Dev 0.9903
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

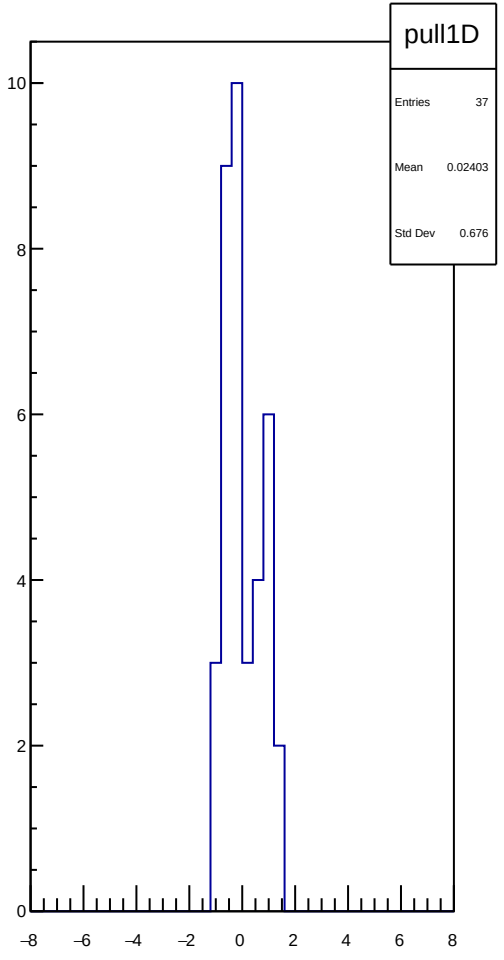

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.06 / 36
p0 181.6 ± 9.961
300
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −11.79
Std Dev 13.77
1.5
1
0.5
0
−0.5

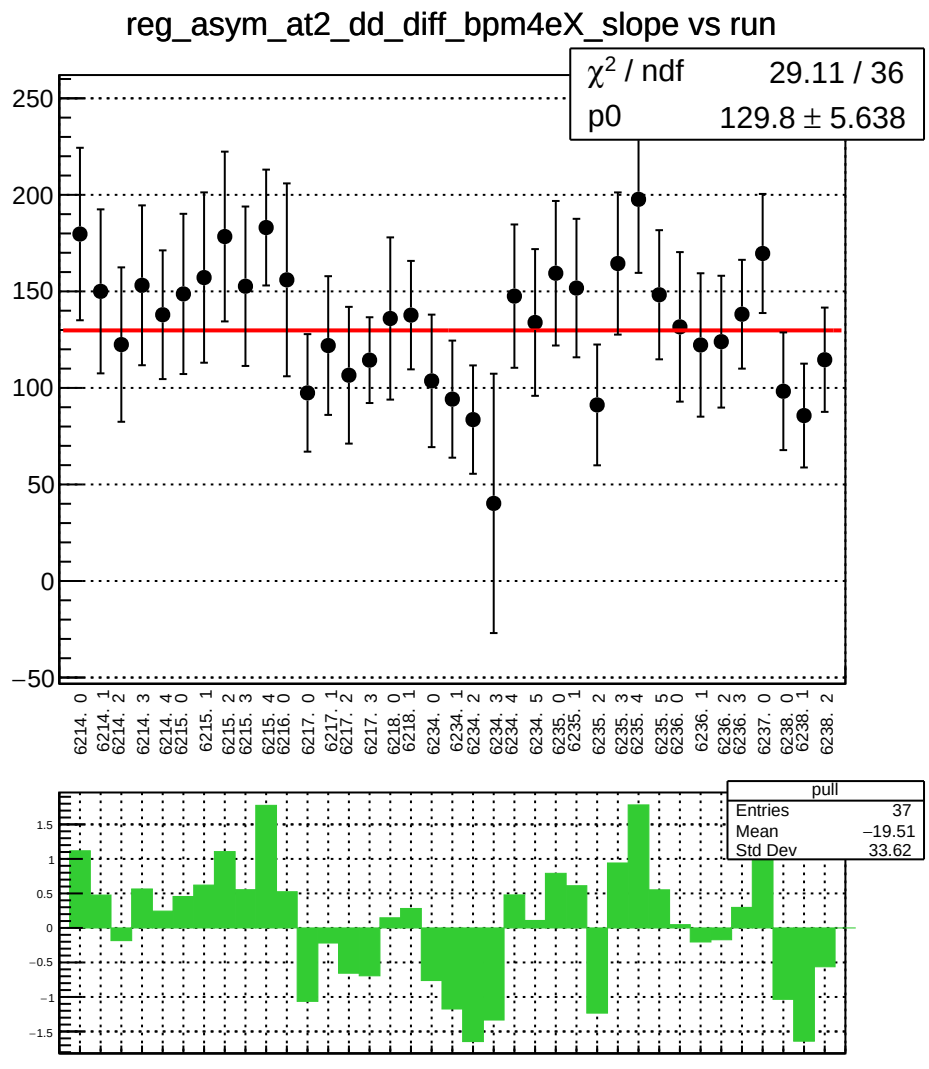

pull1D
Entries 37
Mean −0.008463
Std Dev 0.5708
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

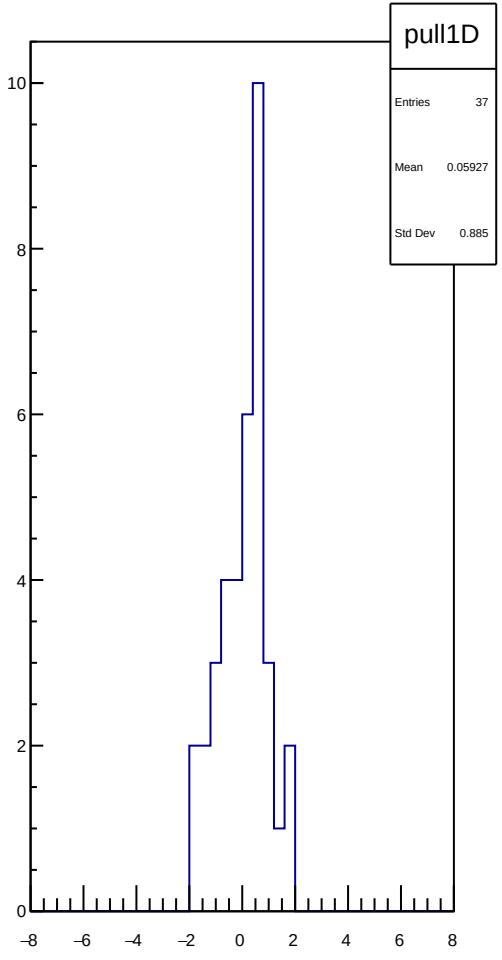

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 57.79 / 36
p0 −209.4 ± 0.7408
−200
−210
−220
−230
−240
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 106.4
Std Dev 88.46
2
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean −0.05977
Std Dev 1.248
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

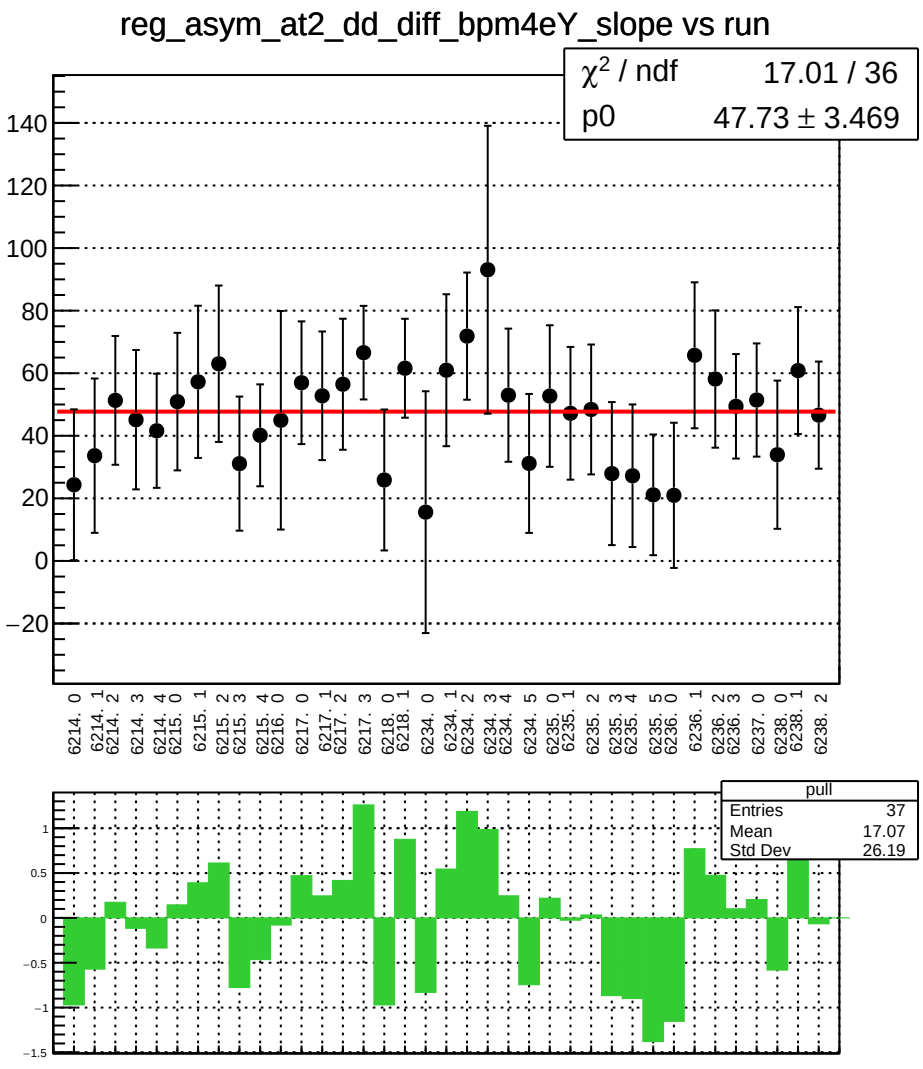

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 28.27 / 36
p0 −35.1 ± 4.904
100
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −17.52
Std Dev 31.41
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.06001
Std Dev 0.872
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

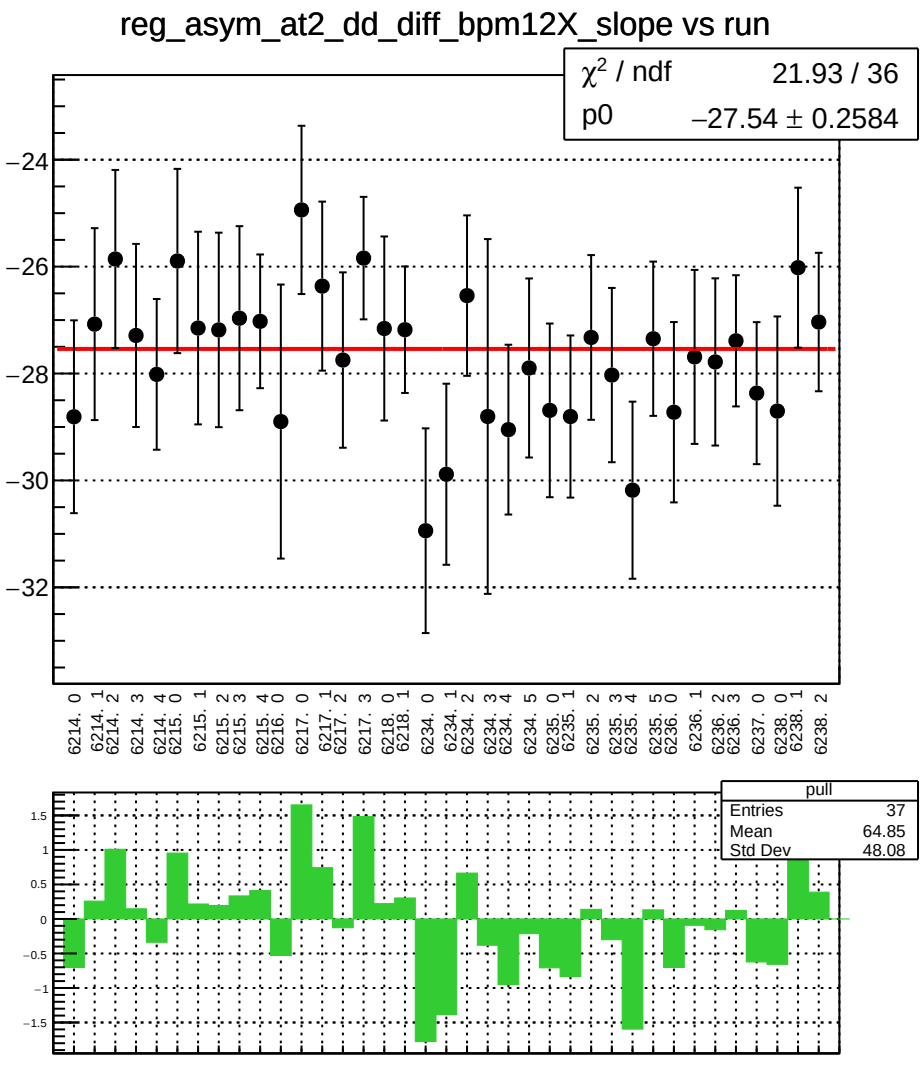

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.93 / 36
p0 −22.56 ± 3.184
pull
Entries 37
Mean 8.741
Std Dev 19.34

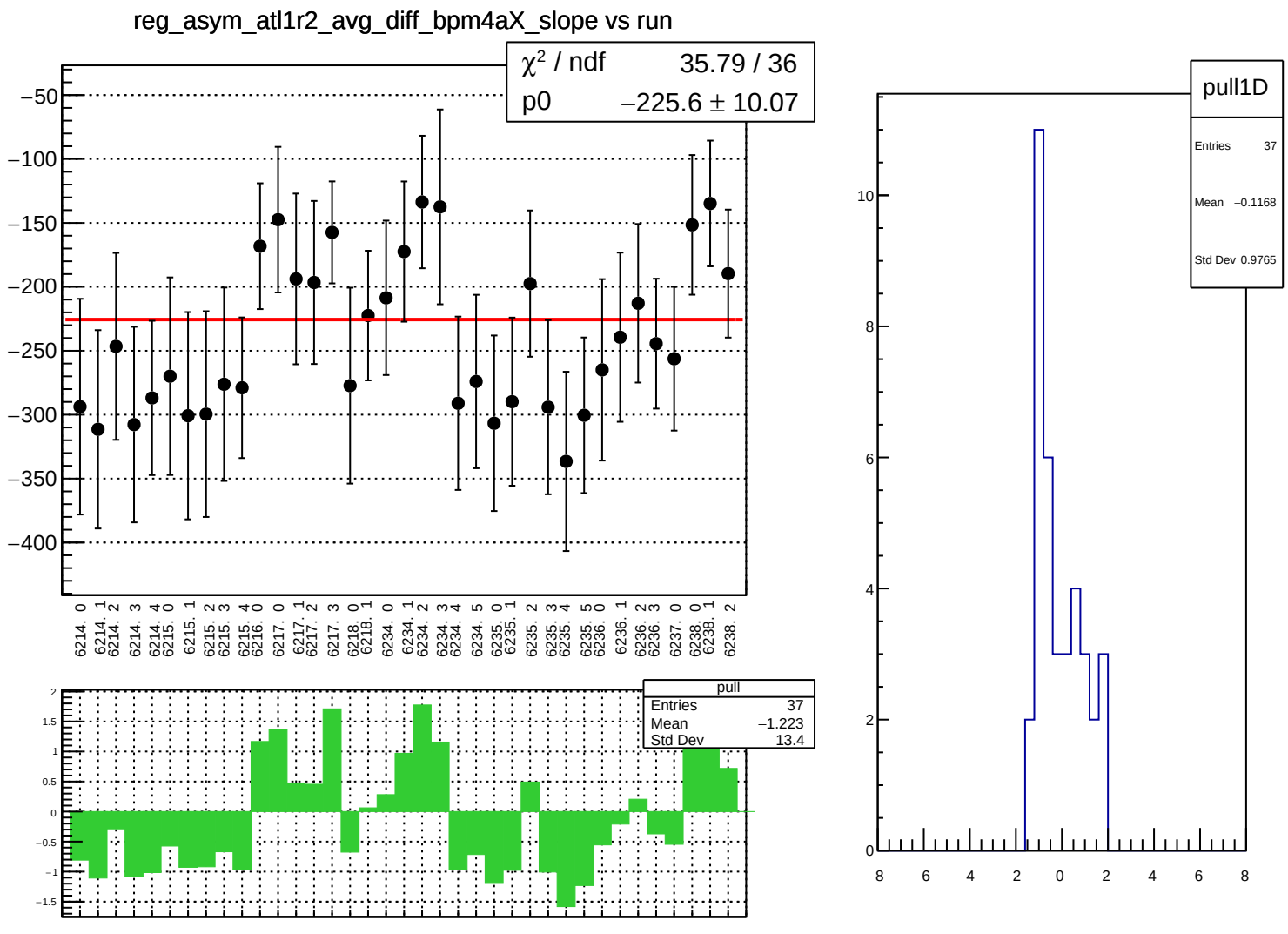

pull1D
Entries 37
Mean 0.02403
Std Dev 0.676

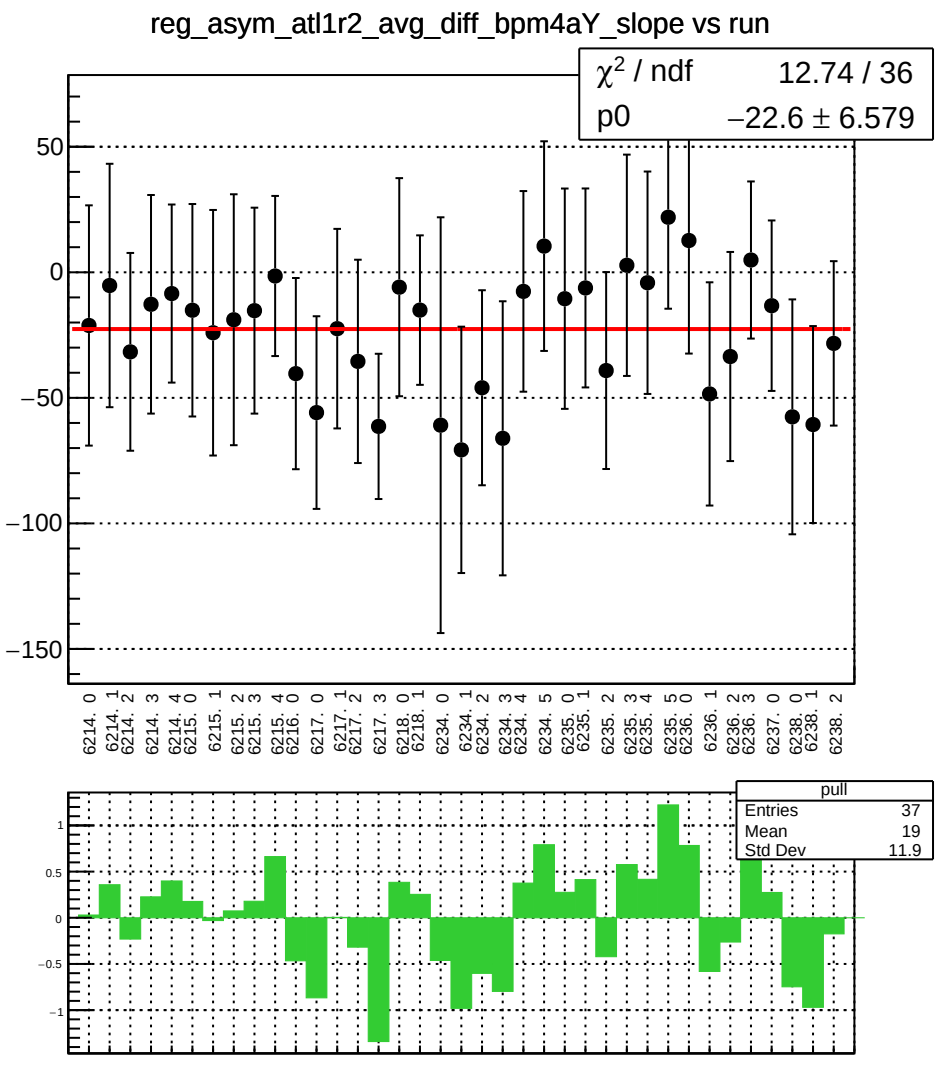

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.11 / 36
p0 129.8 ± 5.638
250
200
150
100
50
0
−50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −19.51
Std Dev 33.62
1.5
1
0.5
0
−0.5
−1
−1.5

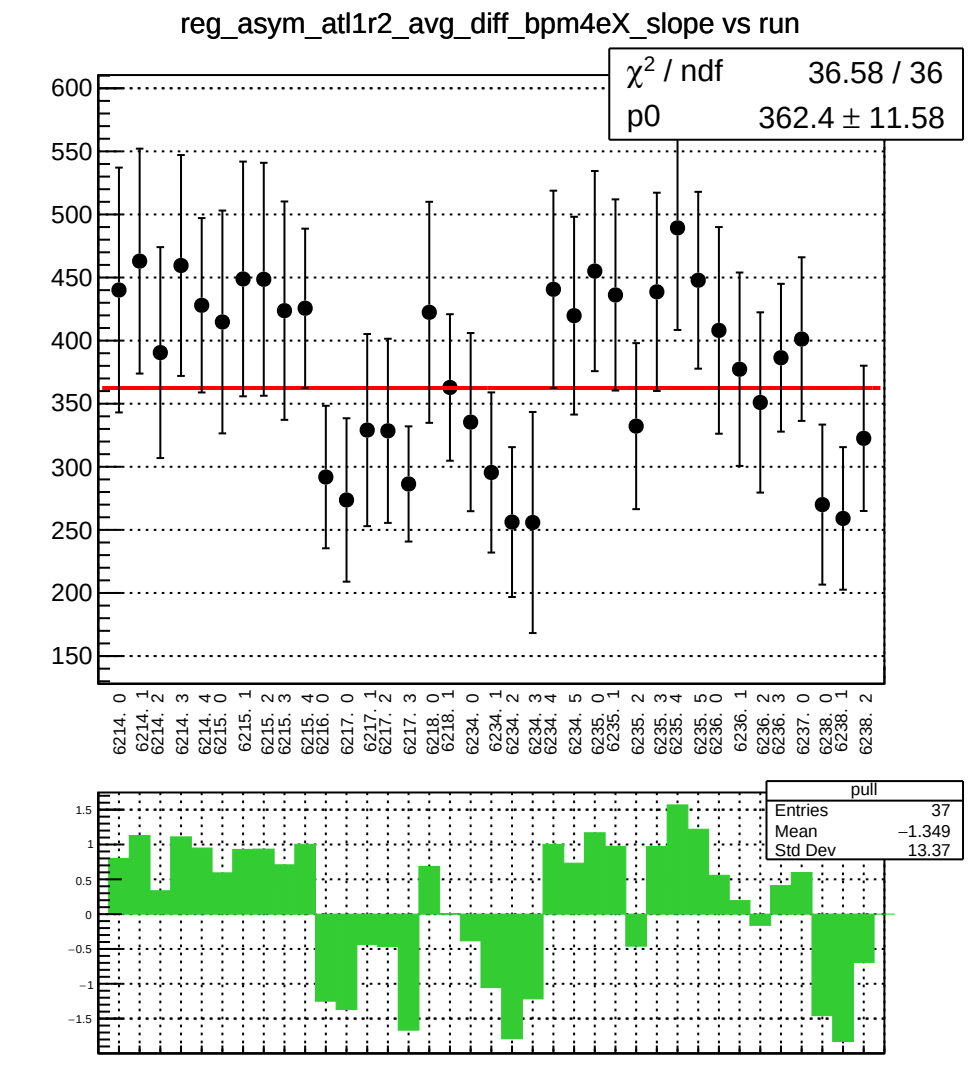

pull1D
Entries 37
Mean 0.05927
Std Dev 0.885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

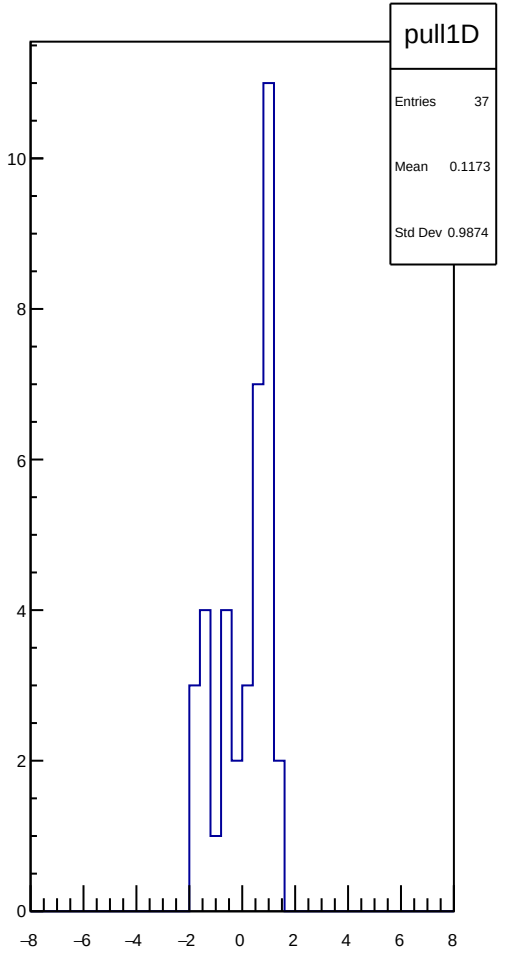

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.01 / 36
p0 47.73 ± 3.469
140
120
100
80
60
40
20
0
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 17.07
Std Dev 26.19
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.02222
Std Dev 0.6777
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

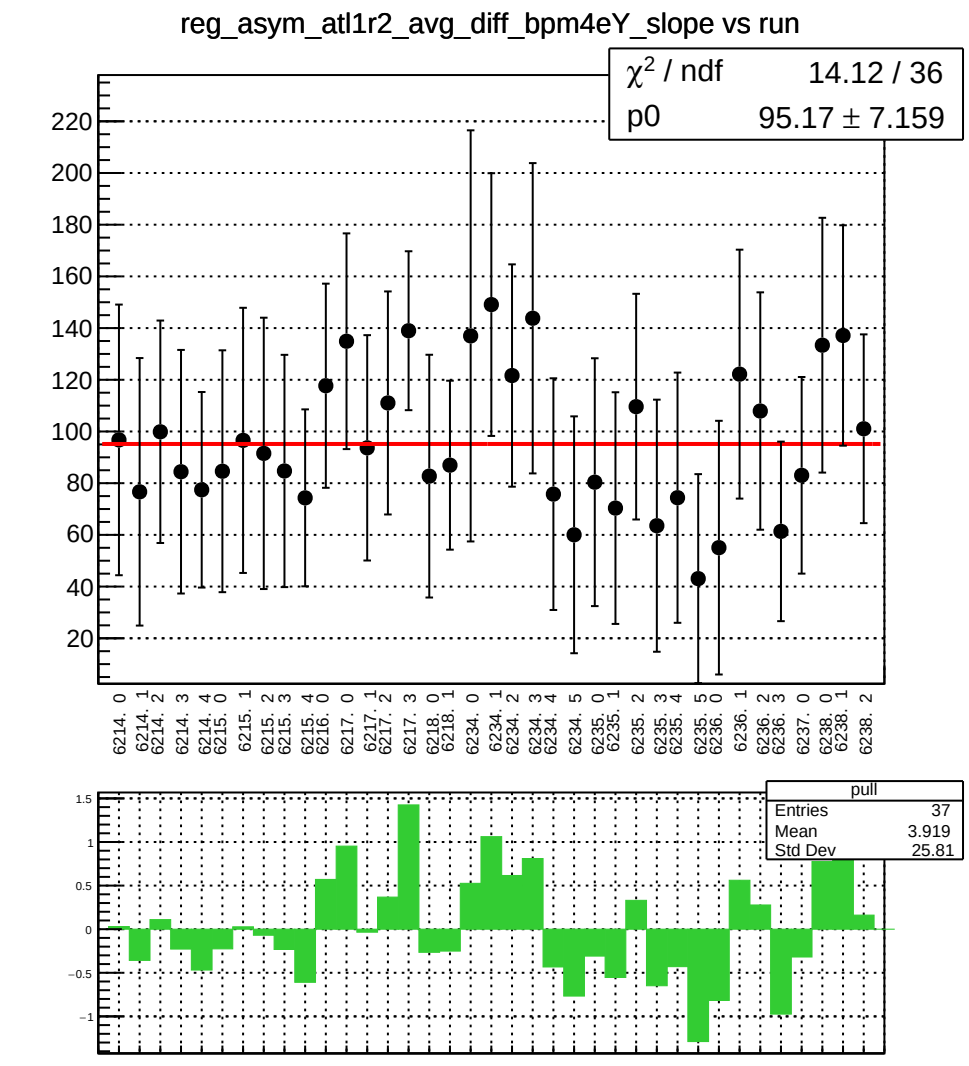

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.93 / 36
p0 −27.54 ± 0.2584
−24
−26
−28
−30
−32
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 64.85
Std Dev 48.08
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.04528
Std Dev 0.7686
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

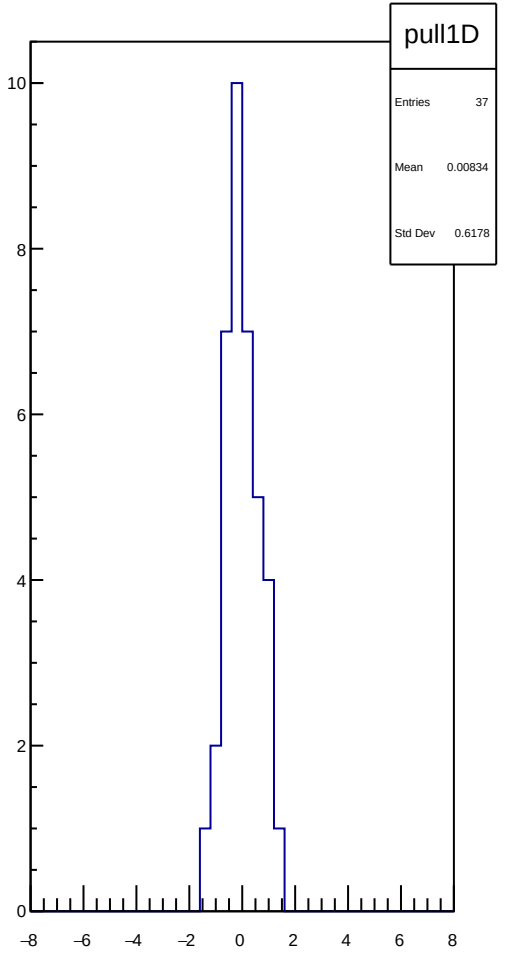

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 35.79 / 36
p0 −225.6 ± 10.07
−50
−100
−150
−200
−250
−300
−350
−400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −1.223
Std Dev 13.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1168
Std Dev 0.9765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

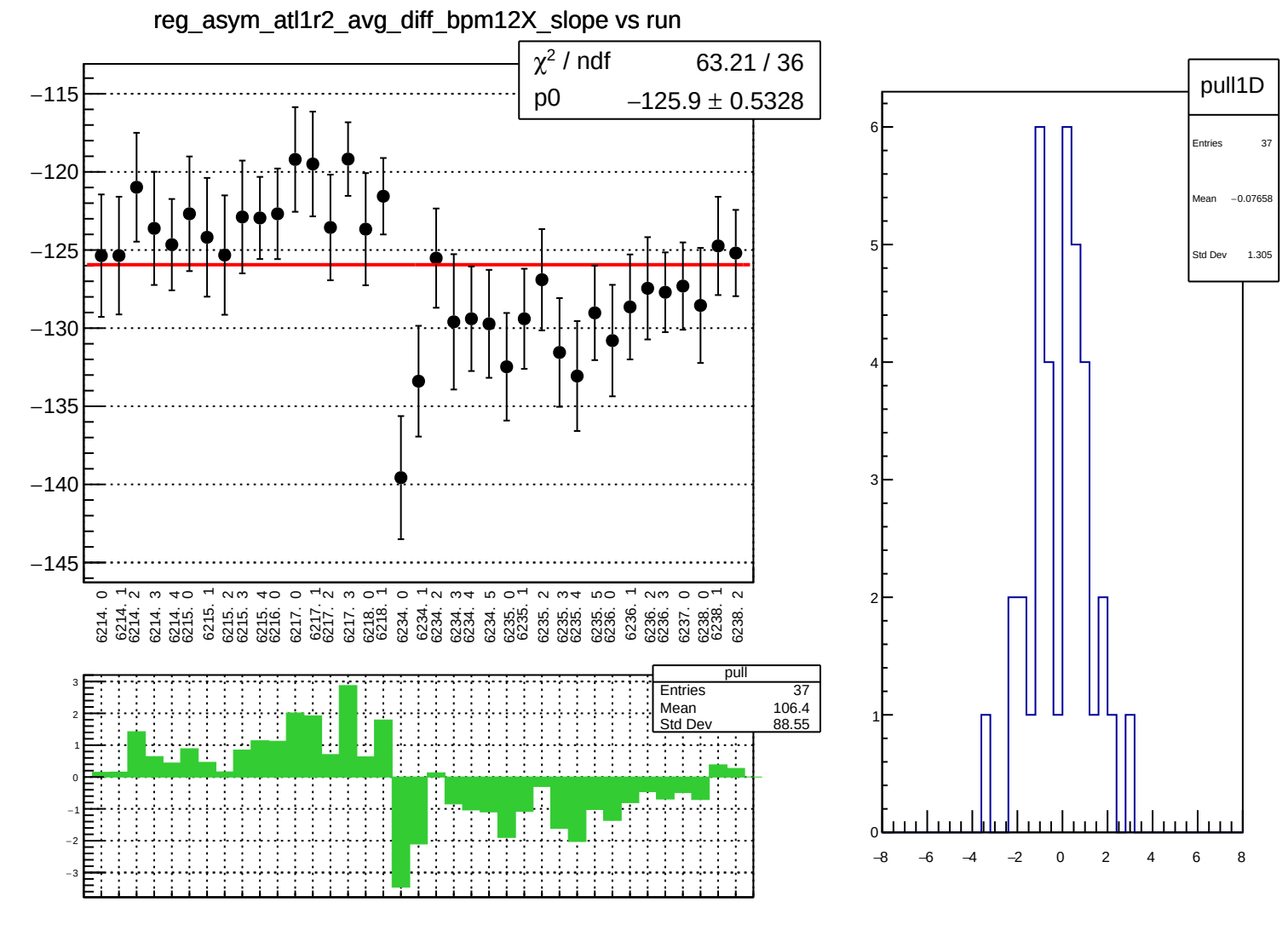

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.74 / 36
p0 −22.6 ± 6.579
50
0
−50
−100
−150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 19
Std Dev 11.9
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.01347
Std Dev 0.5867
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

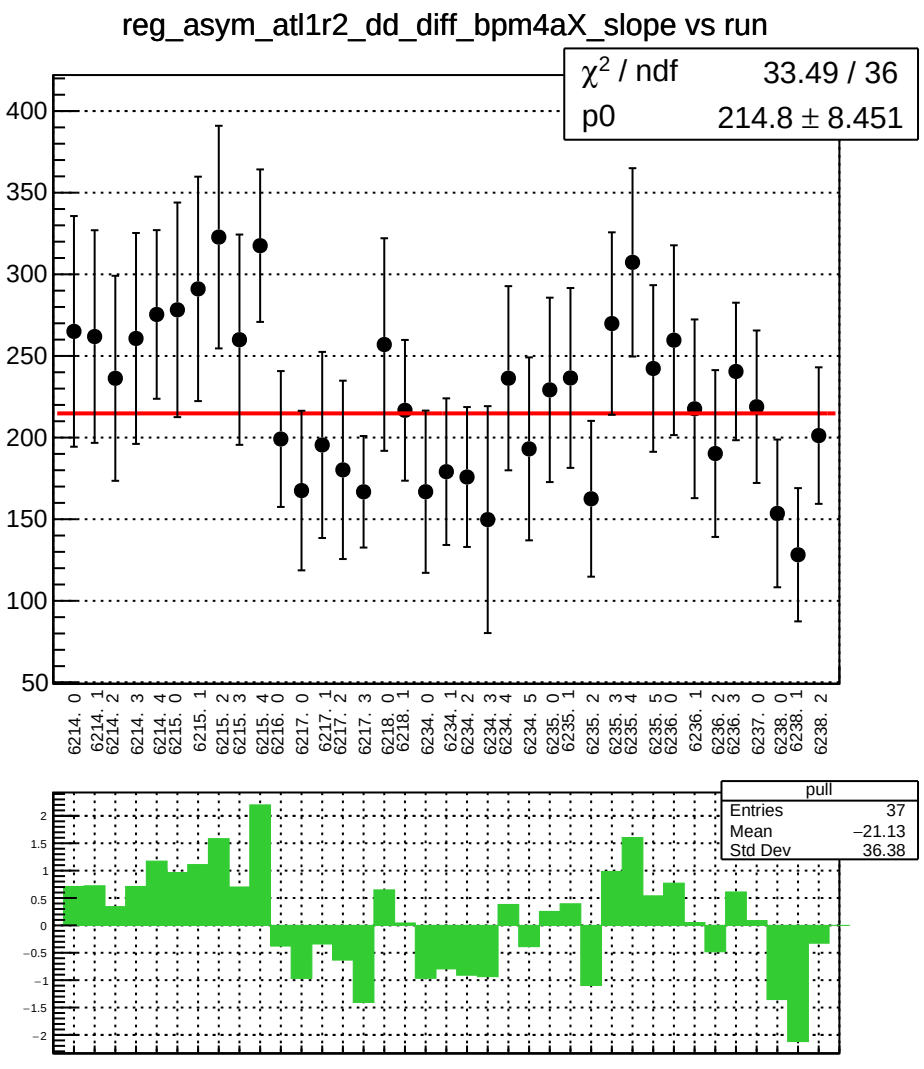

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.58 / 36
p0 362.4 ± 11.58
600
550
500
450
400
350
300
250
200
150
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −1.349
Std Dev 13.37
1.5
1
0.5
0
−0.5
−1
−1.5

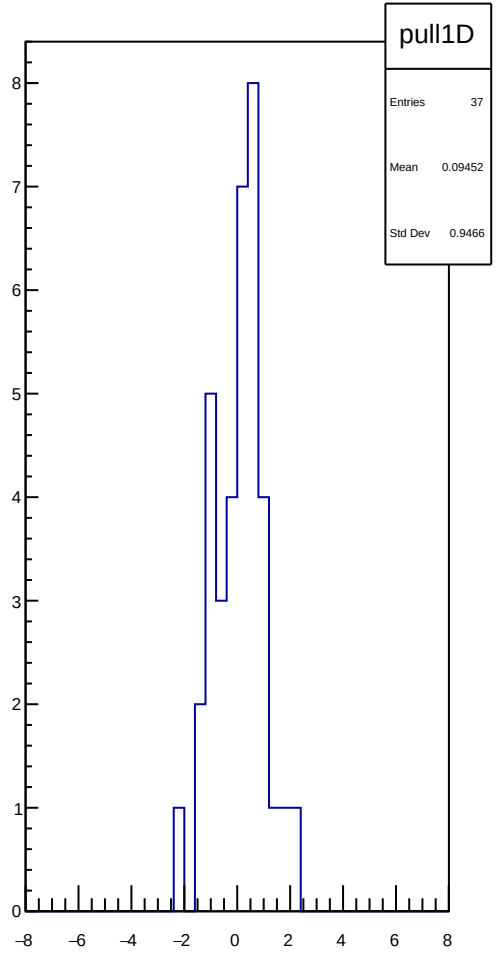

pull1D
Entries 37
Mean 0.1173
Std Dev 0.9874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

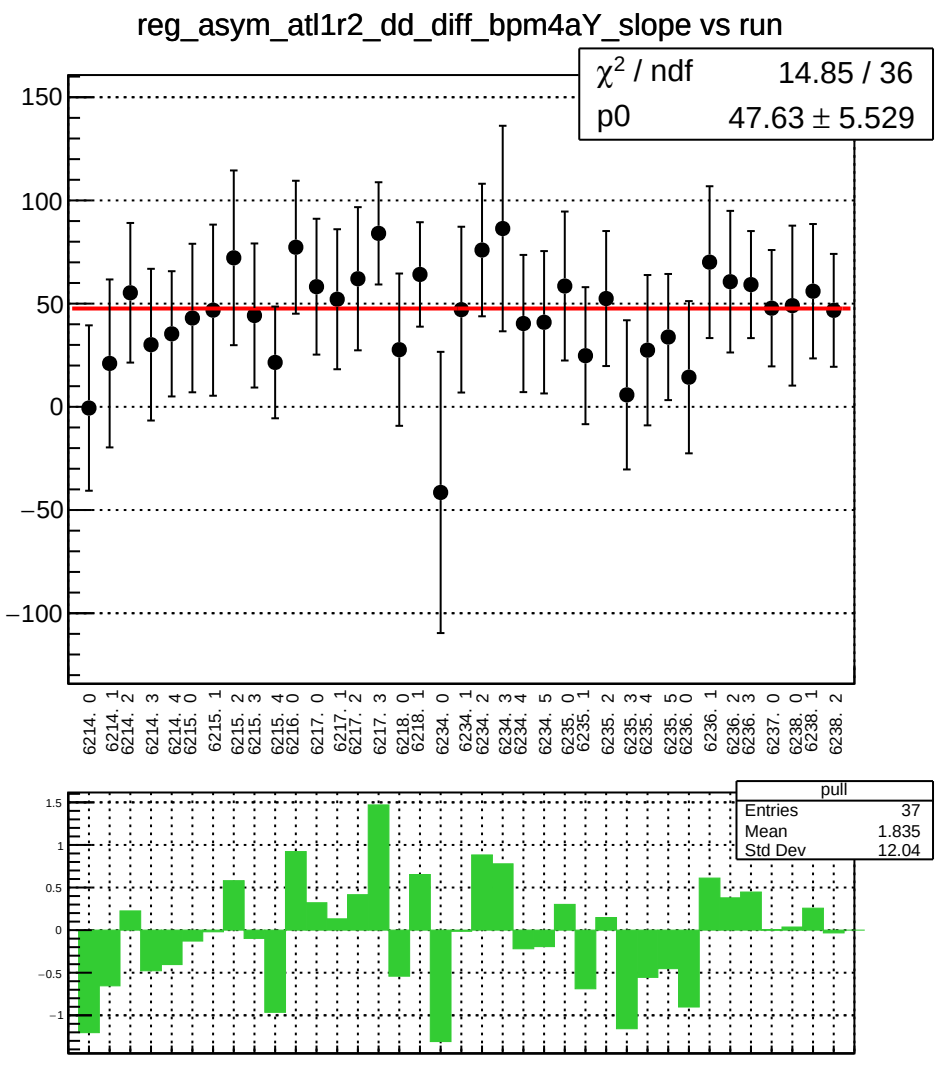

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.12 / 36
p0 95.17 ± 7.159
220
200
180
160
140
120
100
80
60
40
20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 3.919
Std Dev 25.81
1.5
1
0.5
0
−0.5
−1

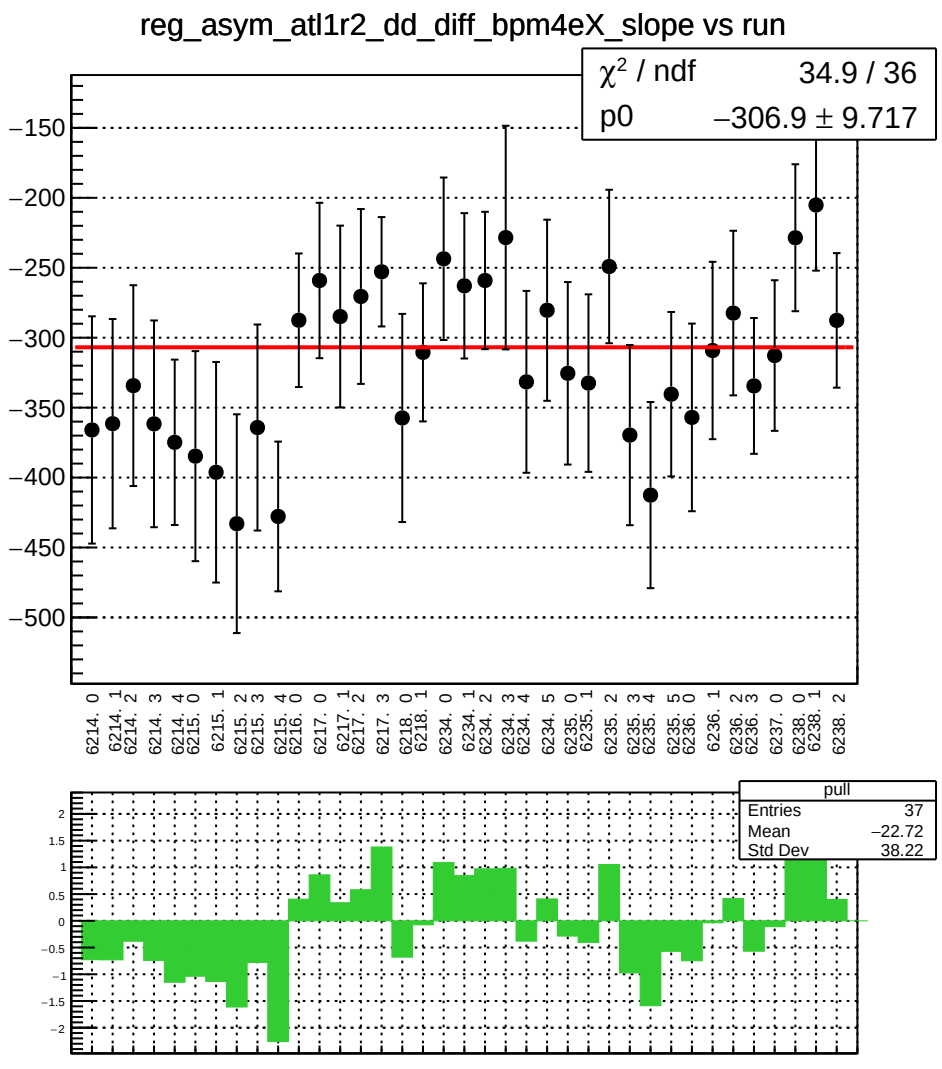

pull1D
Entries 37
Mean 0.00834
Std Dev 0.6178
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

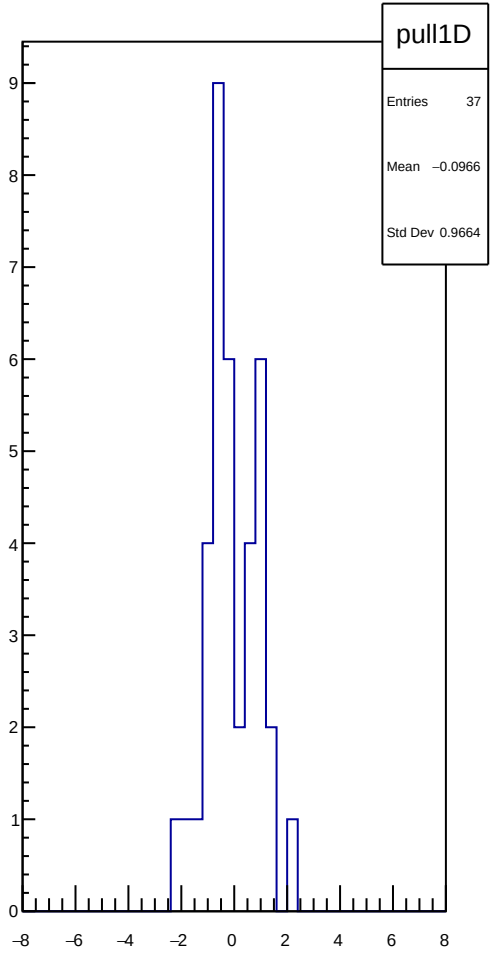

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 63.21 / 36
p0 −125.9 ± 0.5328
−115
−120
−125
−130
−135
−140
−145
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 106.4
Std Dev 88.55
3
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.07658
Std Dev 1.305
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

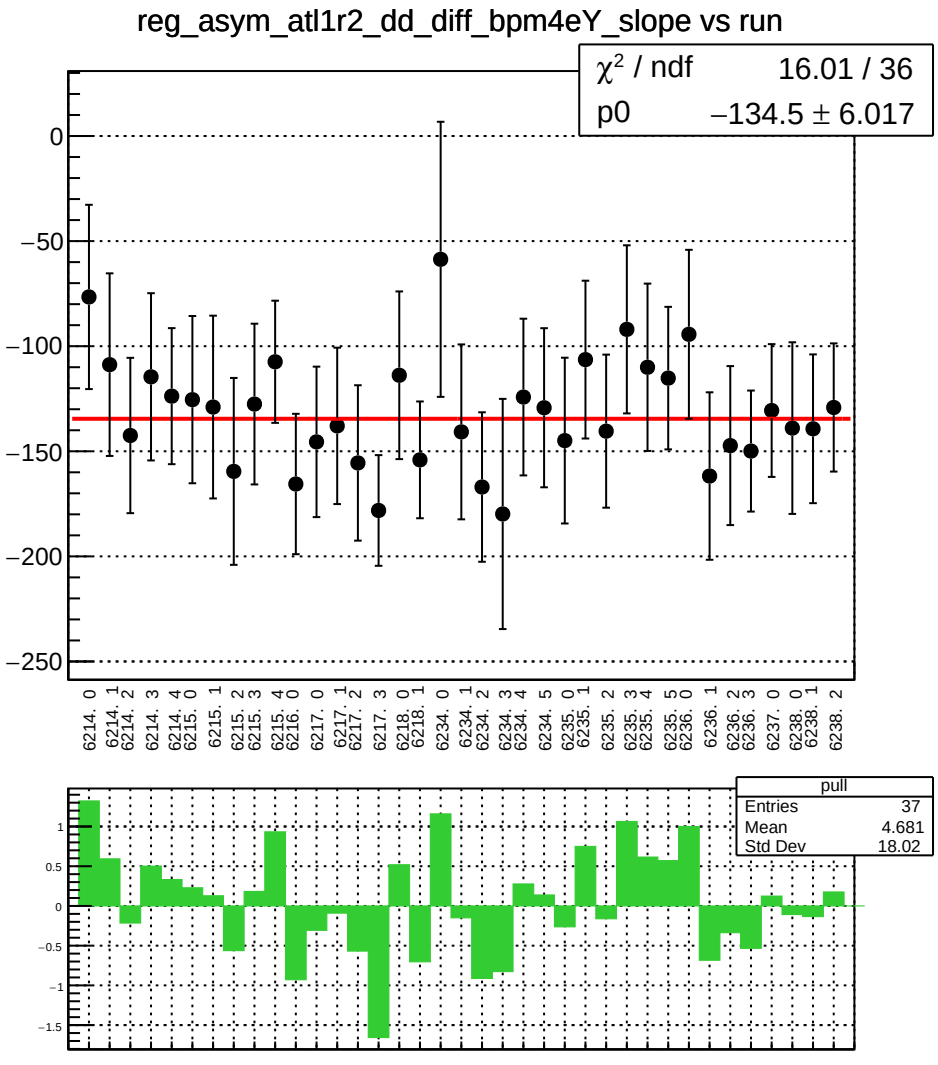

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.49 / 36
p0 214.8 ± 8.451
400
350
300
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −21.13
Std Dev 36.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

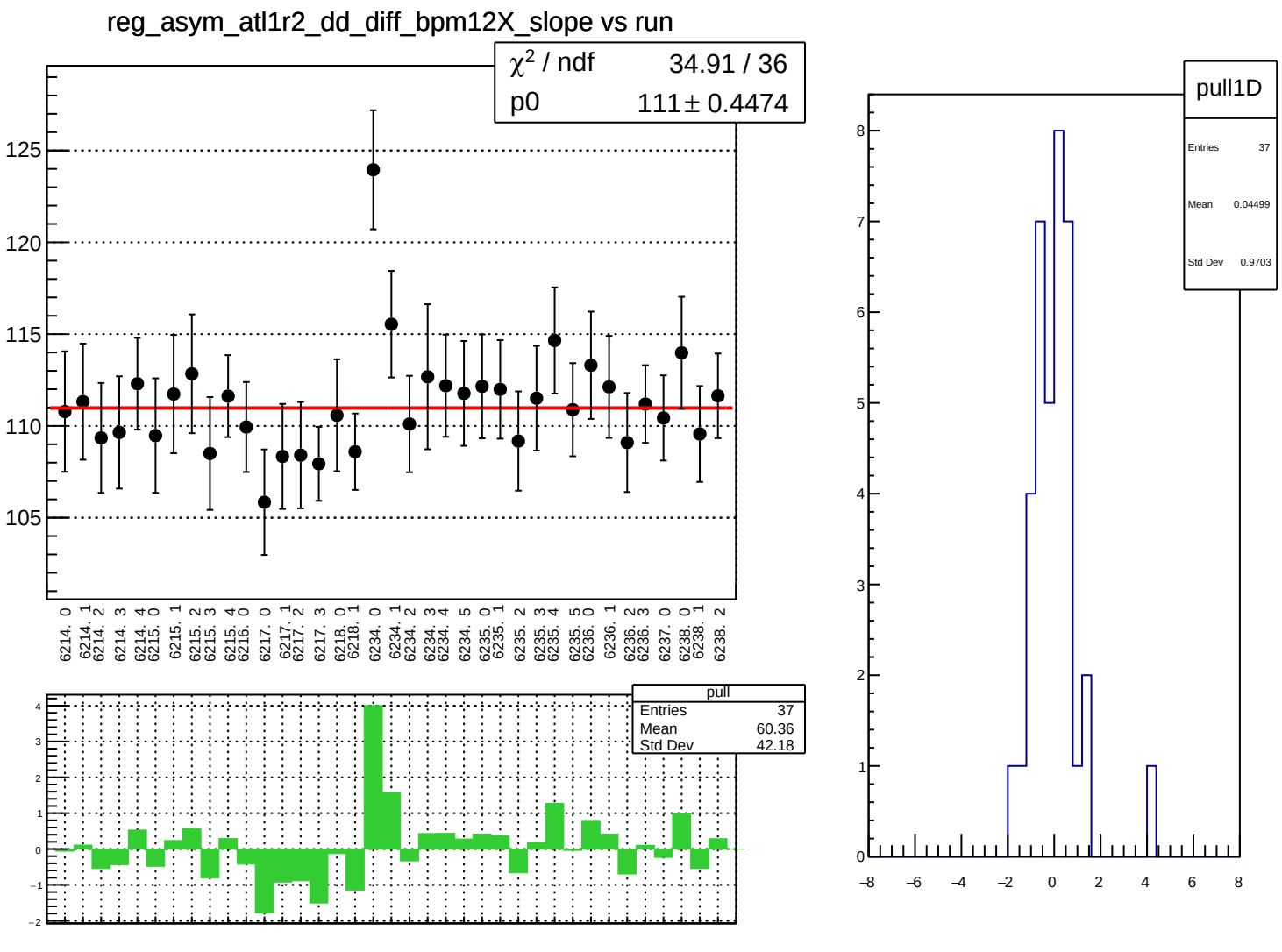

pull1D
Entries 37
Mean 0.09452
Std Dev 0.9466
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

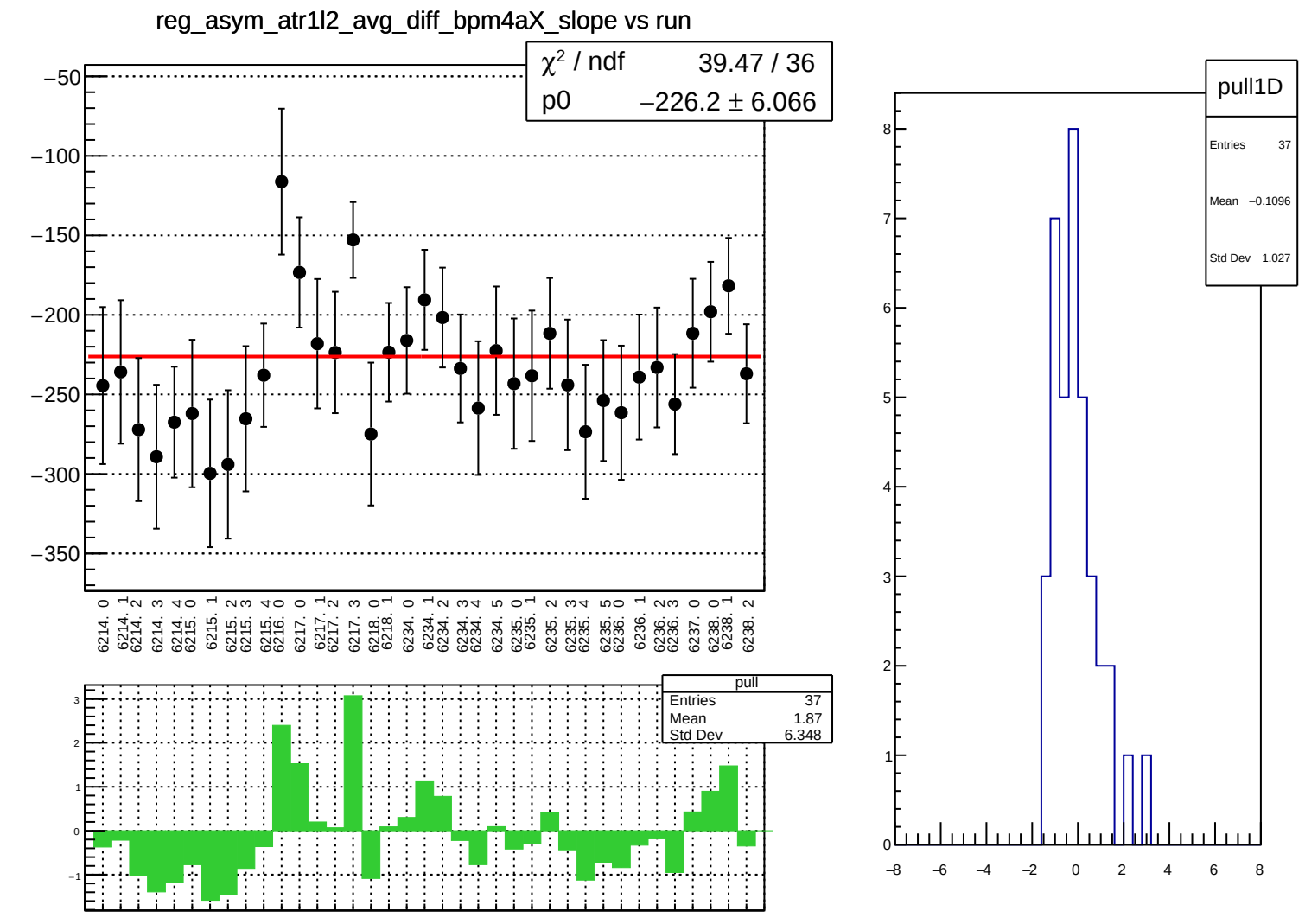

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.85 / 36
p0 47.63 ± 5.529
150
100
50
0
−50
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 1.835
Std Dev 12.04
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.03906
Std Dev 0.6324
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

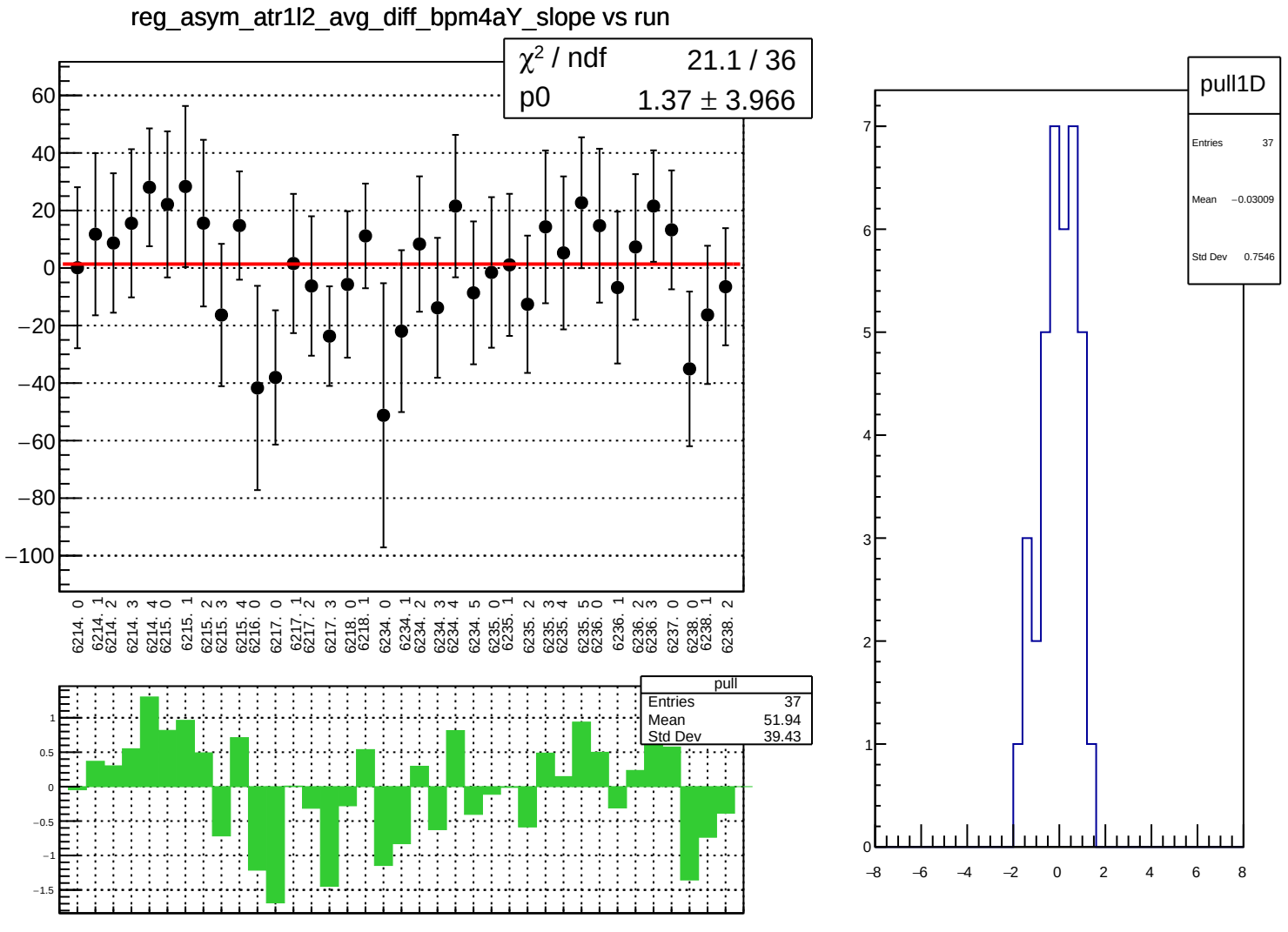

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.9 / 36
p0 −306.9 ± 9.717
−150
−200
−250
−300
−350
−400
−450
−500
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −22.72
Std Dev 38.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

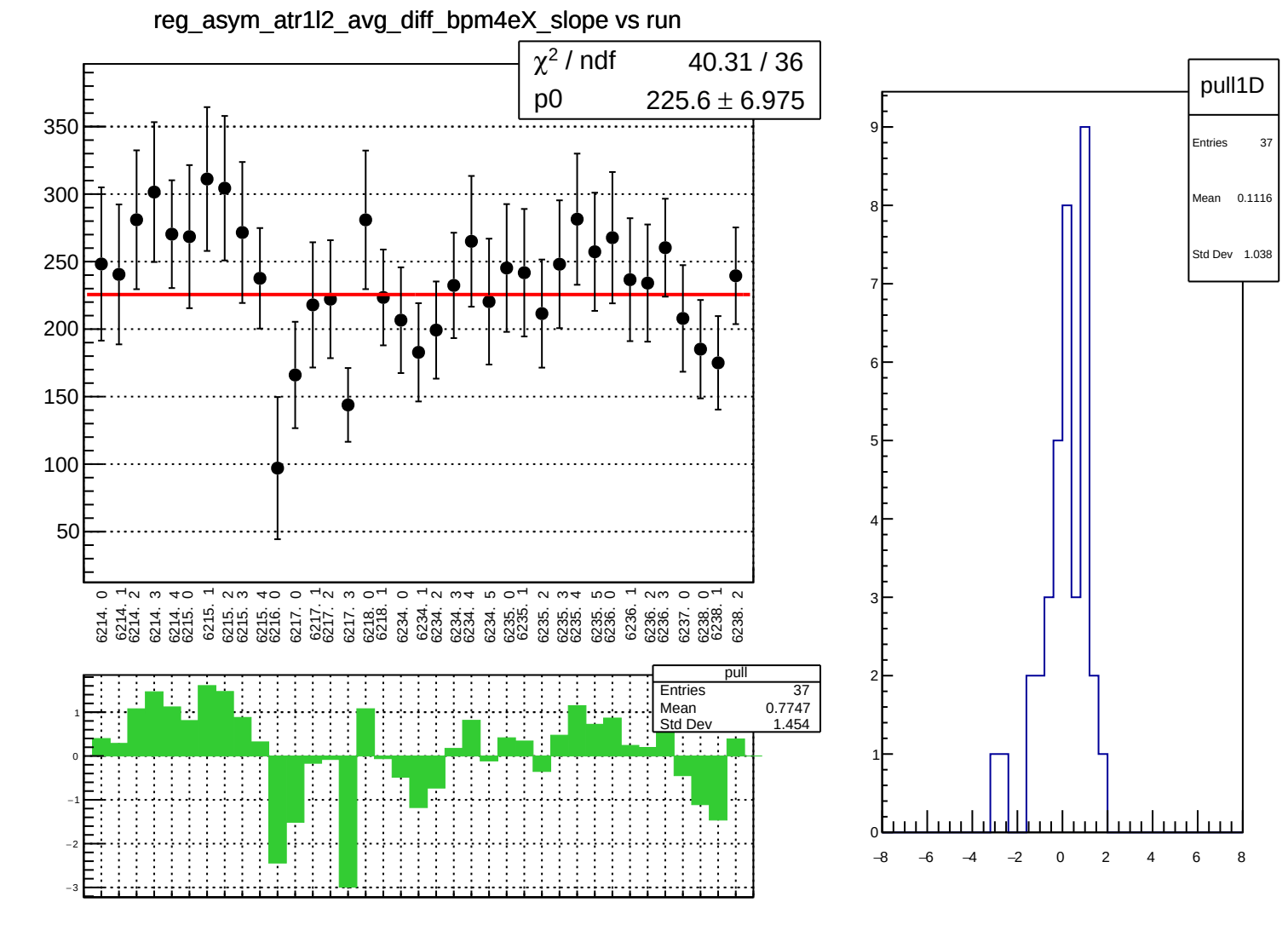

pull1D
Entries 37
Mean −0.0966
Std Dev 0.9664
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

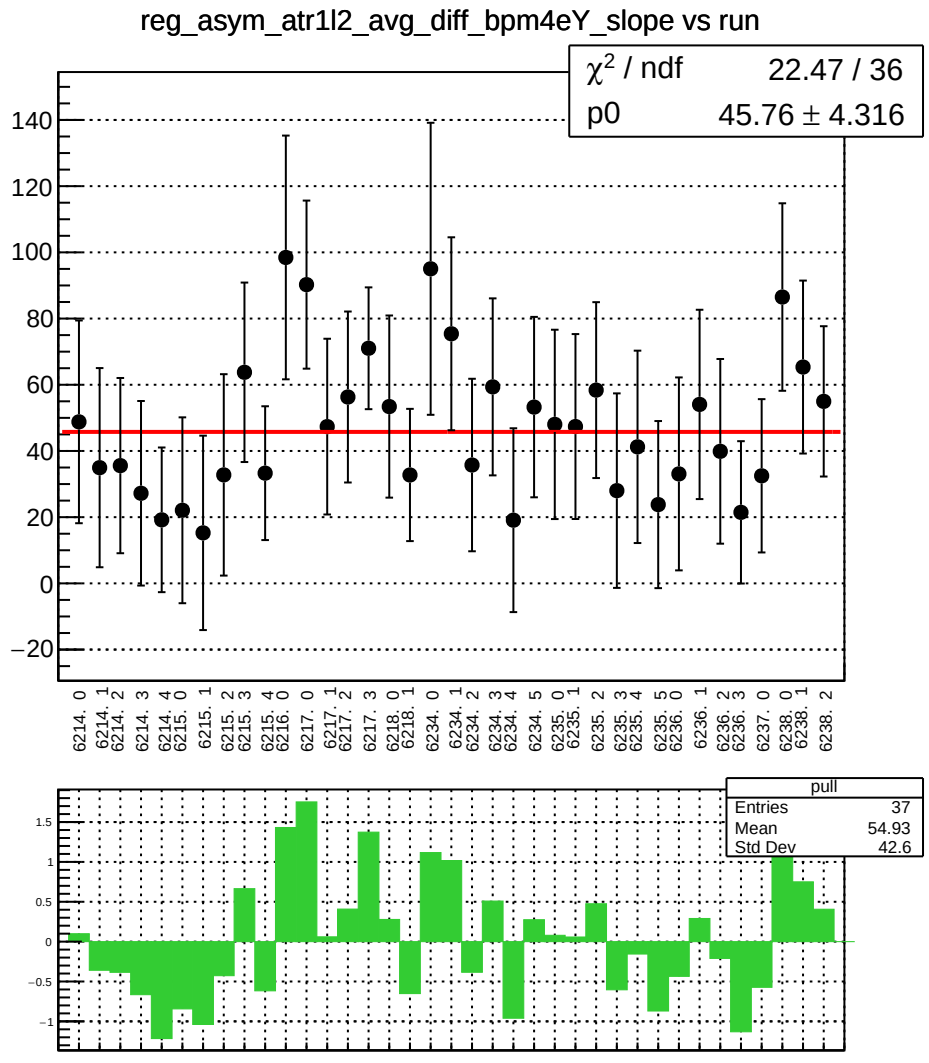

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.01 / 36
p0 −134.5 ± 6.017
0
−50
−100
−150
−200
−250
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 4.681
Std Dev 18.02
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.0397
Std Dev 0.6567
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

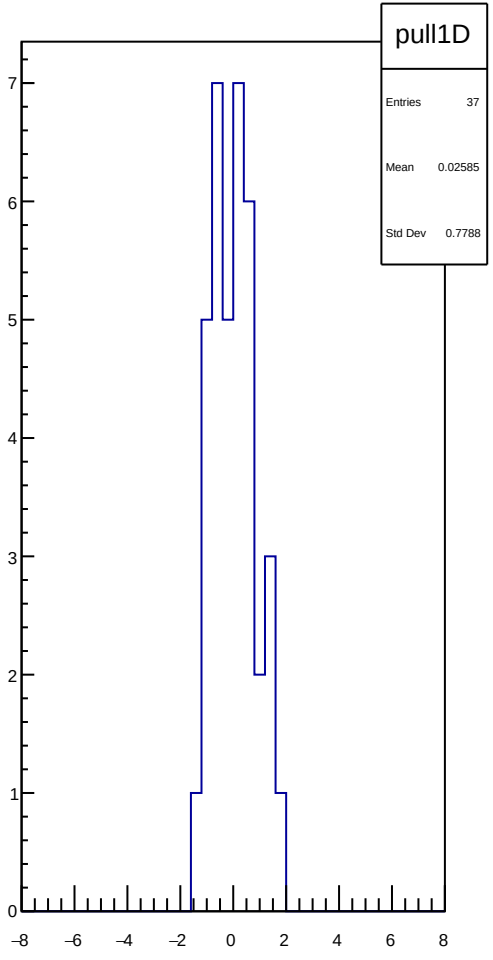

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.91 / 36
p0 111 ± 0.4474
125
120
115
110
105
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 60.36
Std Dev 42.18
pull1D
Entries 37
Mean 0.04499
Std Dev 0.9703

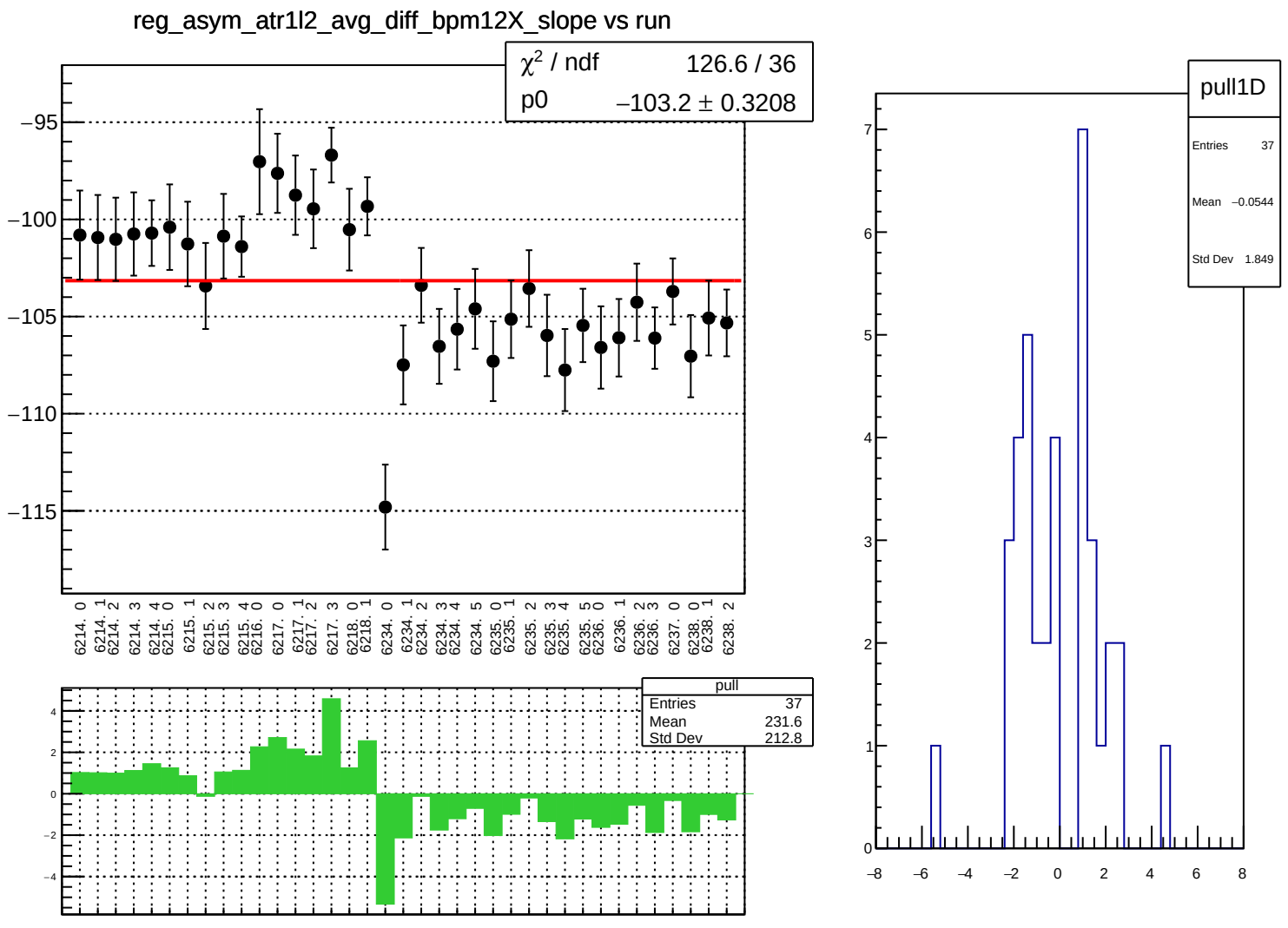

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 39.47 / 36
p0 −226.2 ± 6.066
pull
Entries 37
Mean 1.87
Std Dev 6.348
pull1D
Entries 37
Mean −0.1096
Std Dev 1.027

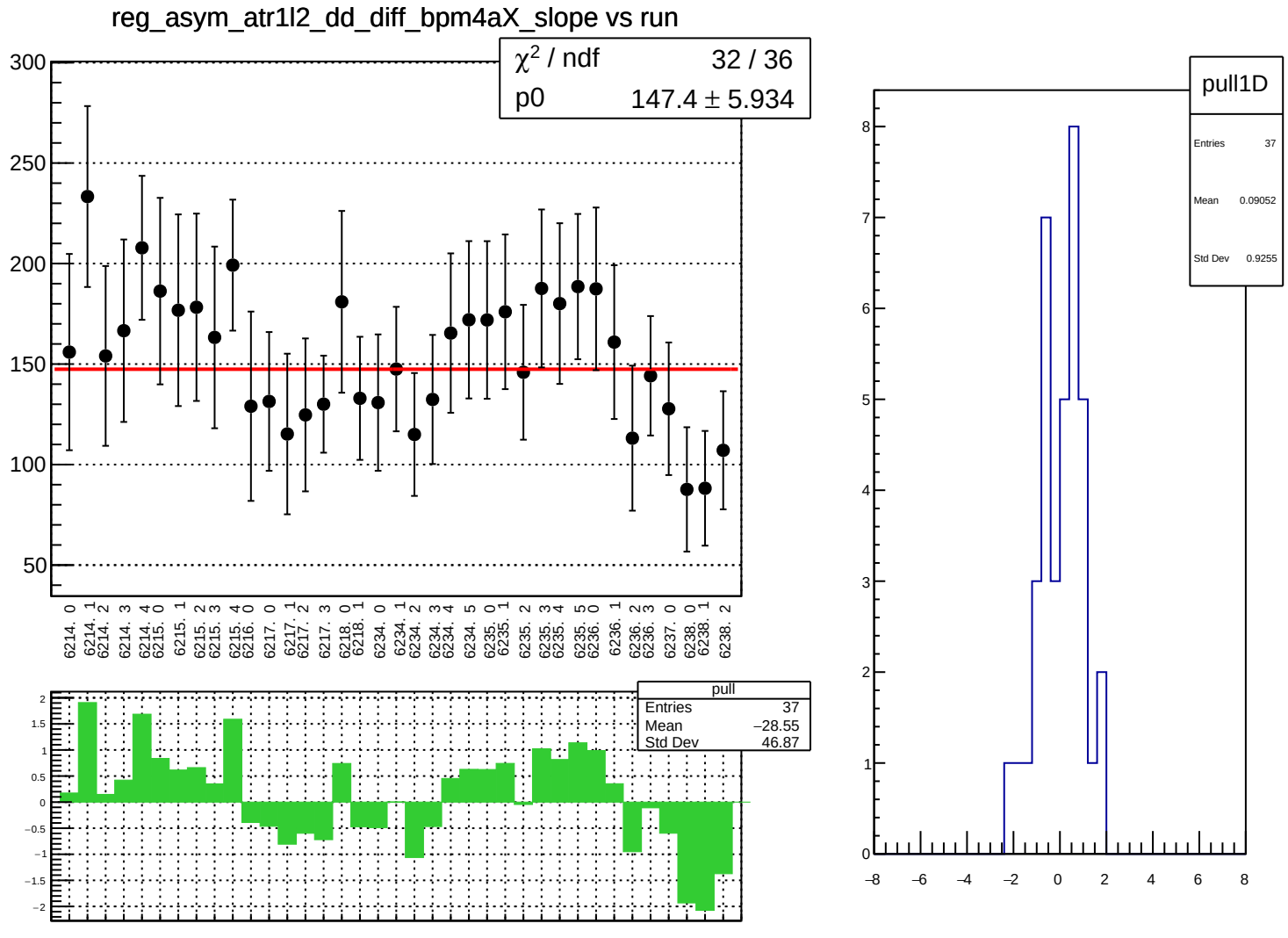

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.1 / 36
p0 1.37 ± 3.966
60
40
20
0
−20
−40
−60
−80
−100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 51.94
Std Dev 39.43
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.03009
Std Dev 0.7546
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

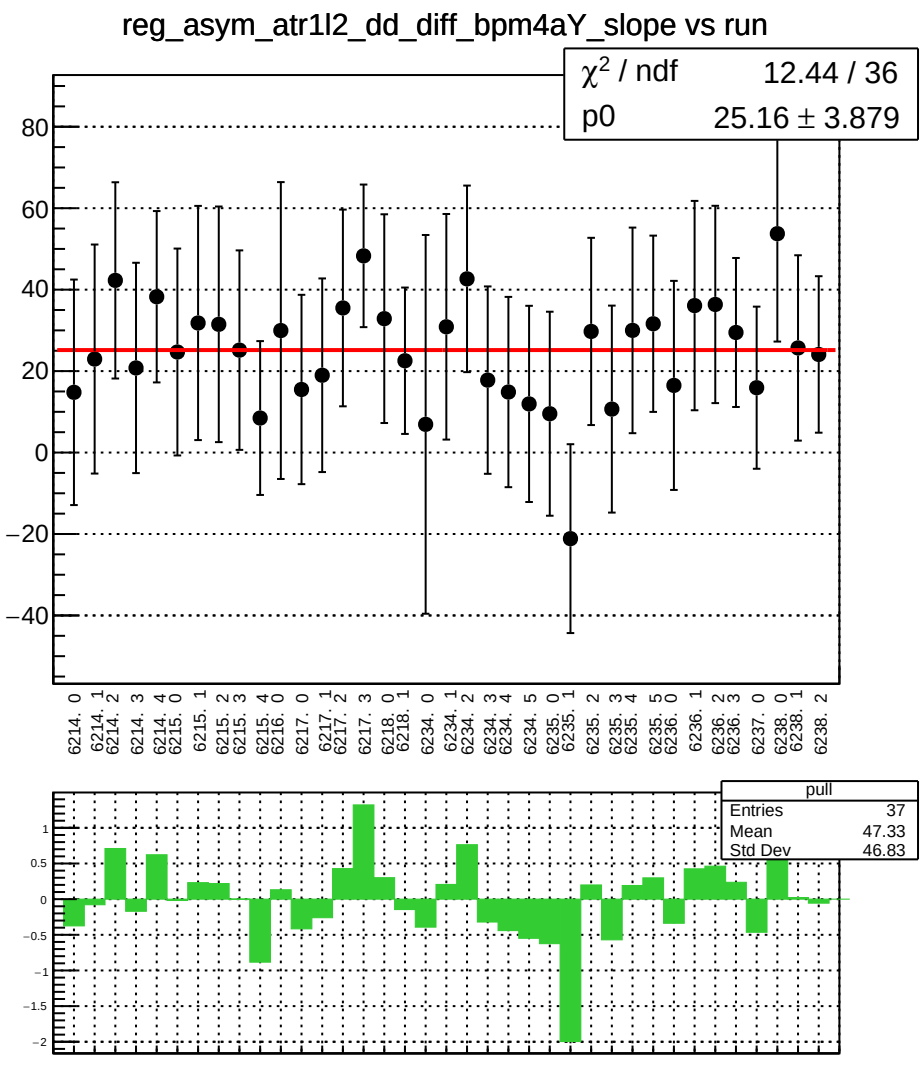

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.31 / 36
p0 225.6 ± 6.975
350
300
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 0.7747
Std Dev 1.454
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.1116
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

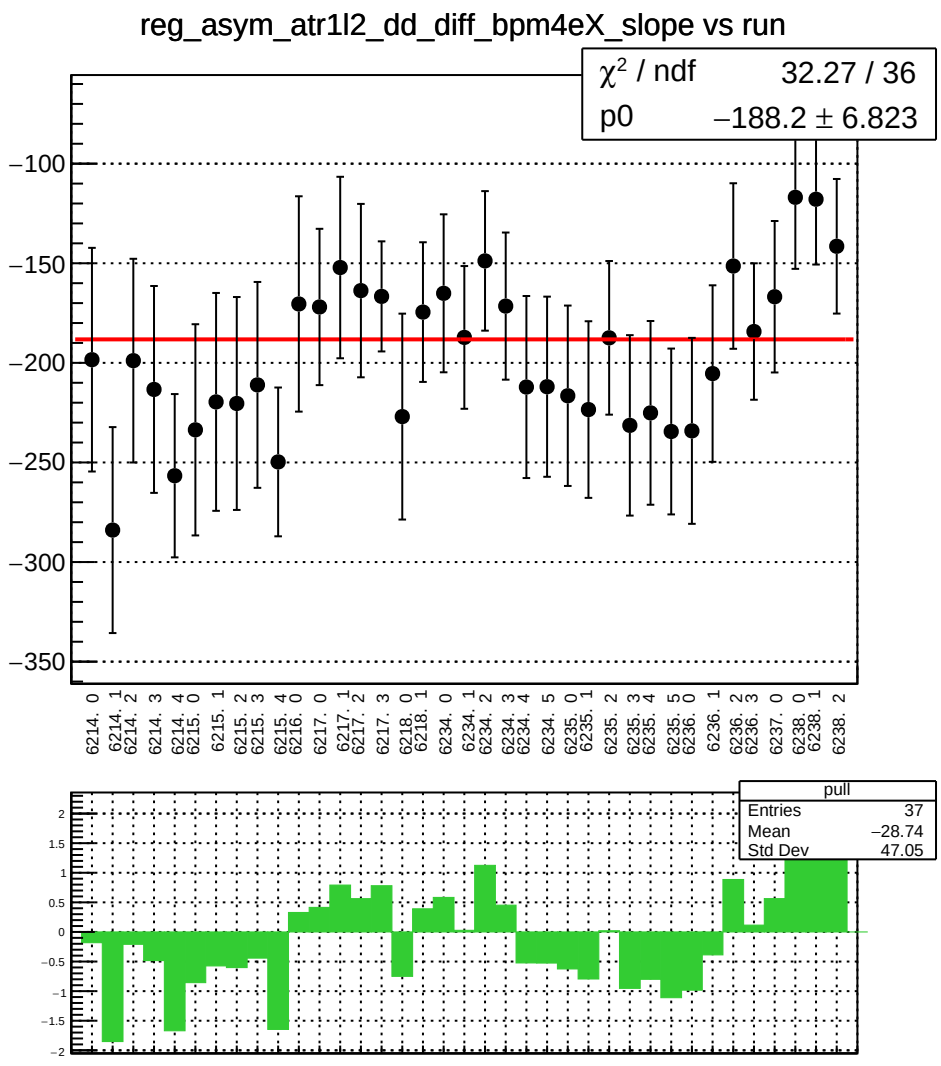

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.47 / 36
p0 45.76 ± 4.316
140
120
100
80
60
40
20
0
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 54.93
Std Dev 42.6
1.5
1
0.5
0
−0.5
−1

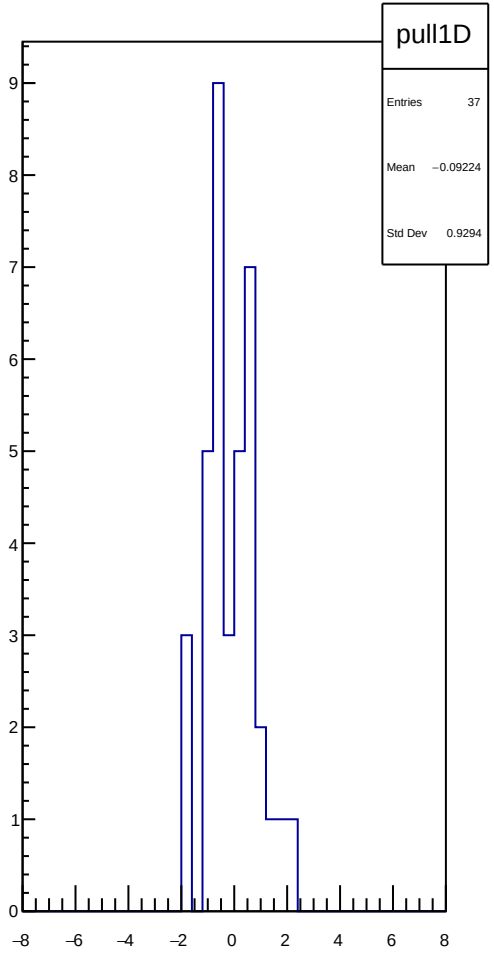

pull1D
Entries 37
Mean 0.02585
Std Dev 0.7788
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

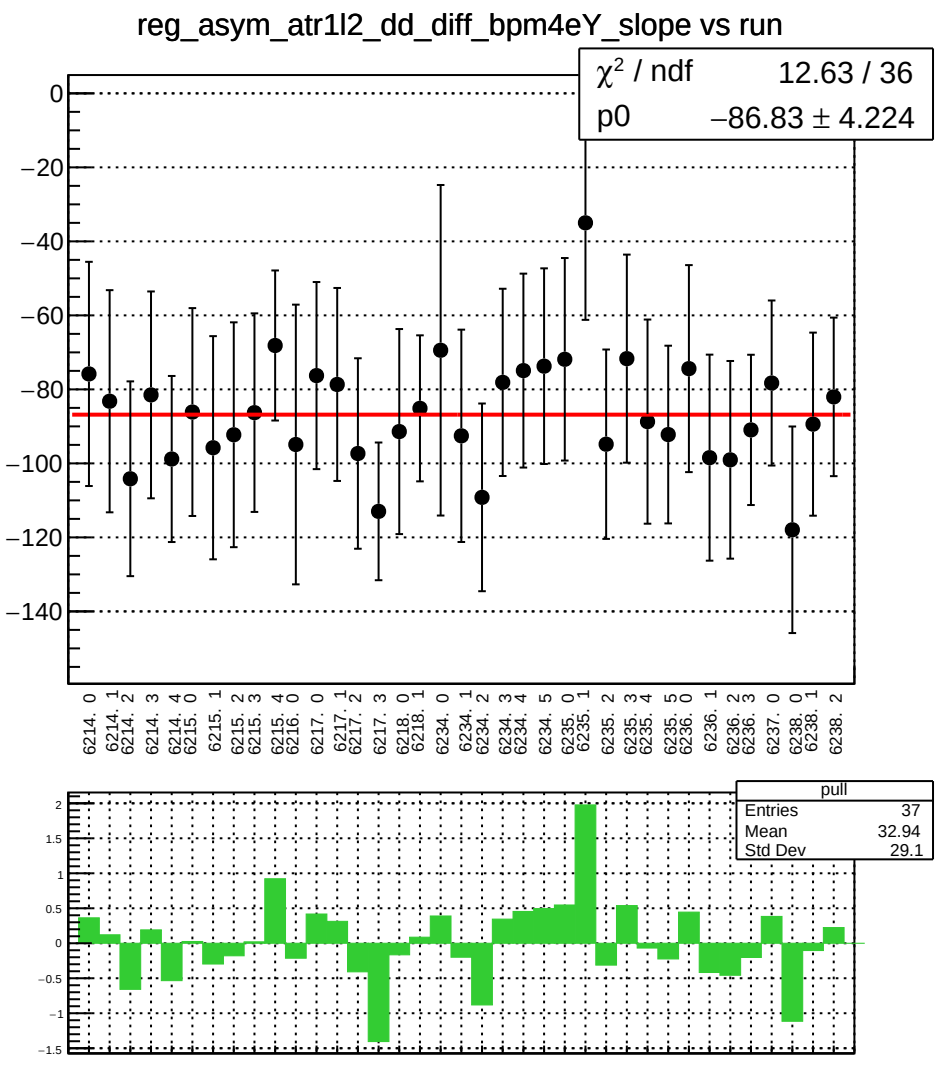

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 126.6 / 36
p0 −103.2 ± 0.3208
−95
−100
−105
−110
−115
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 231.6
Std Dev 212.8
4
2
0
−2
−4
pull1D
Entries 37
Mean −0.0544
Std Dev 1.849
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

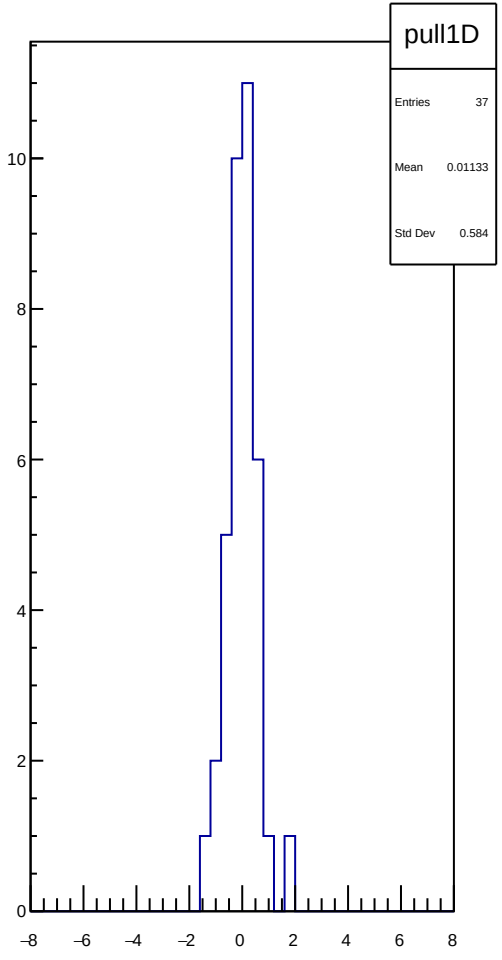

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 32 / 36
p0 147.4 ± 5.934
300
250
200
150
100
50
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −28.55
Std Dev 46.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.09052
Std Dev 0.9255
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

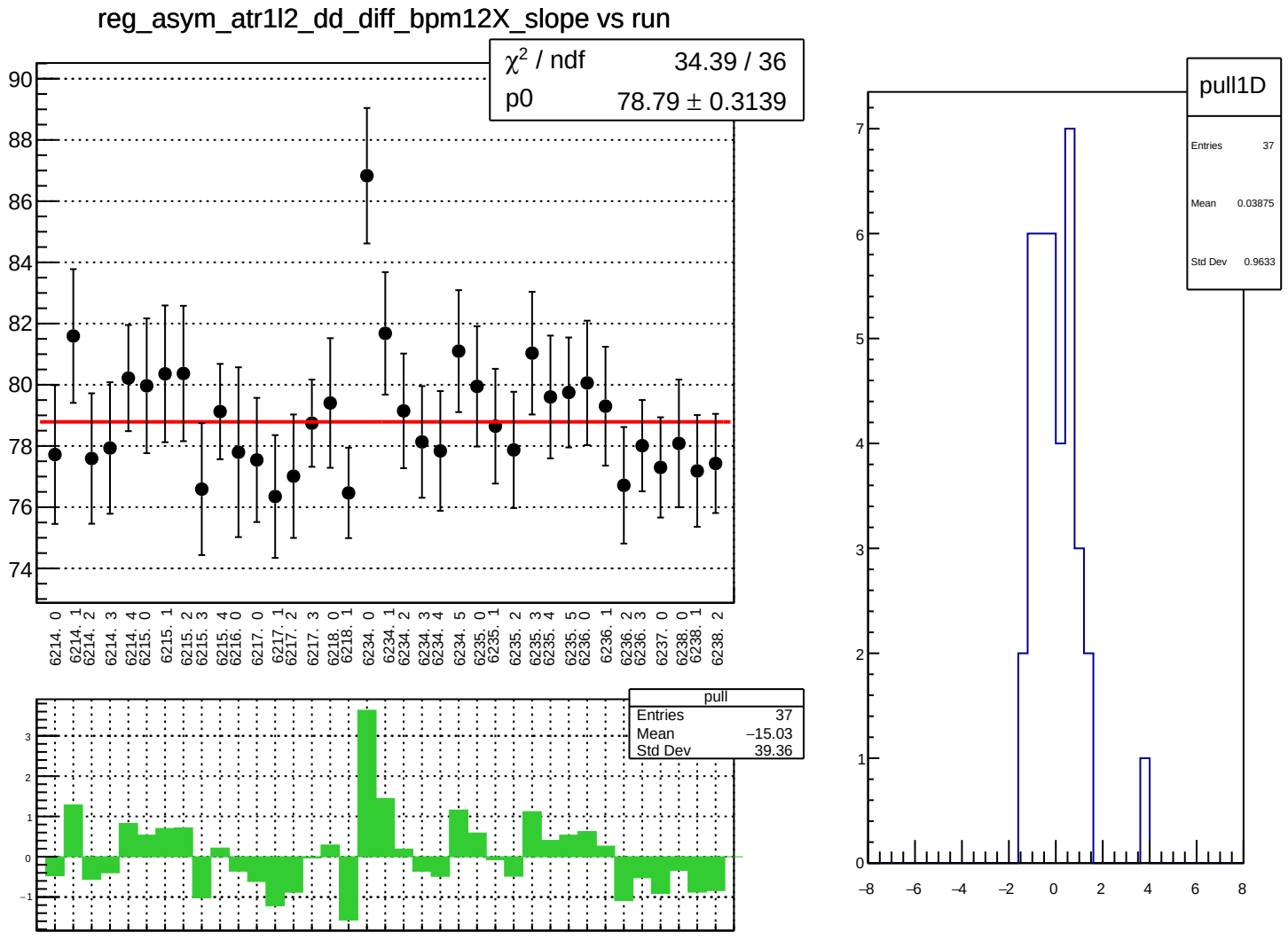

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.44 / 36
p0 25.16 ± 3.879
80
60
40
20
0
−20
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 47.33
Std Dev 46.83
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.006782
Std Dev 0.5799
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

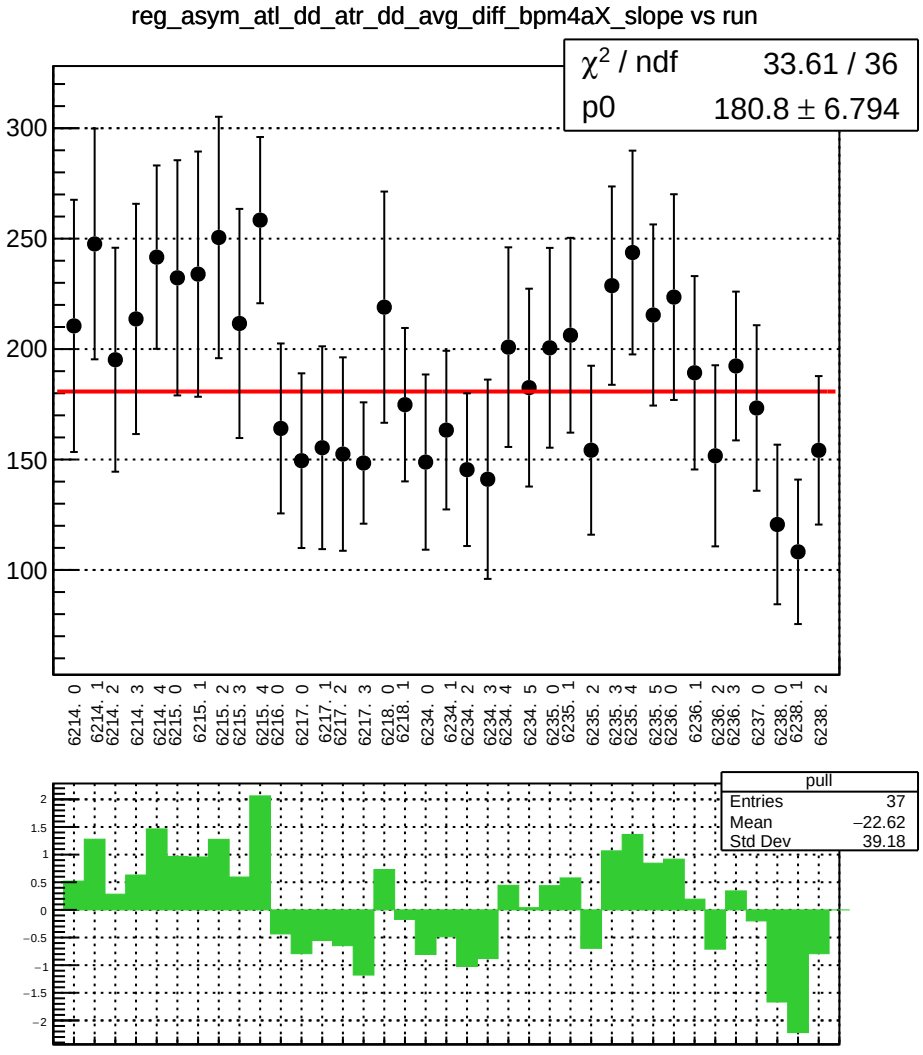

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.27 / 36
p0 −188.2 ± 6.823
−100
−150
−200
−250
−300
−350
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −28.74
Std Dev 47.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

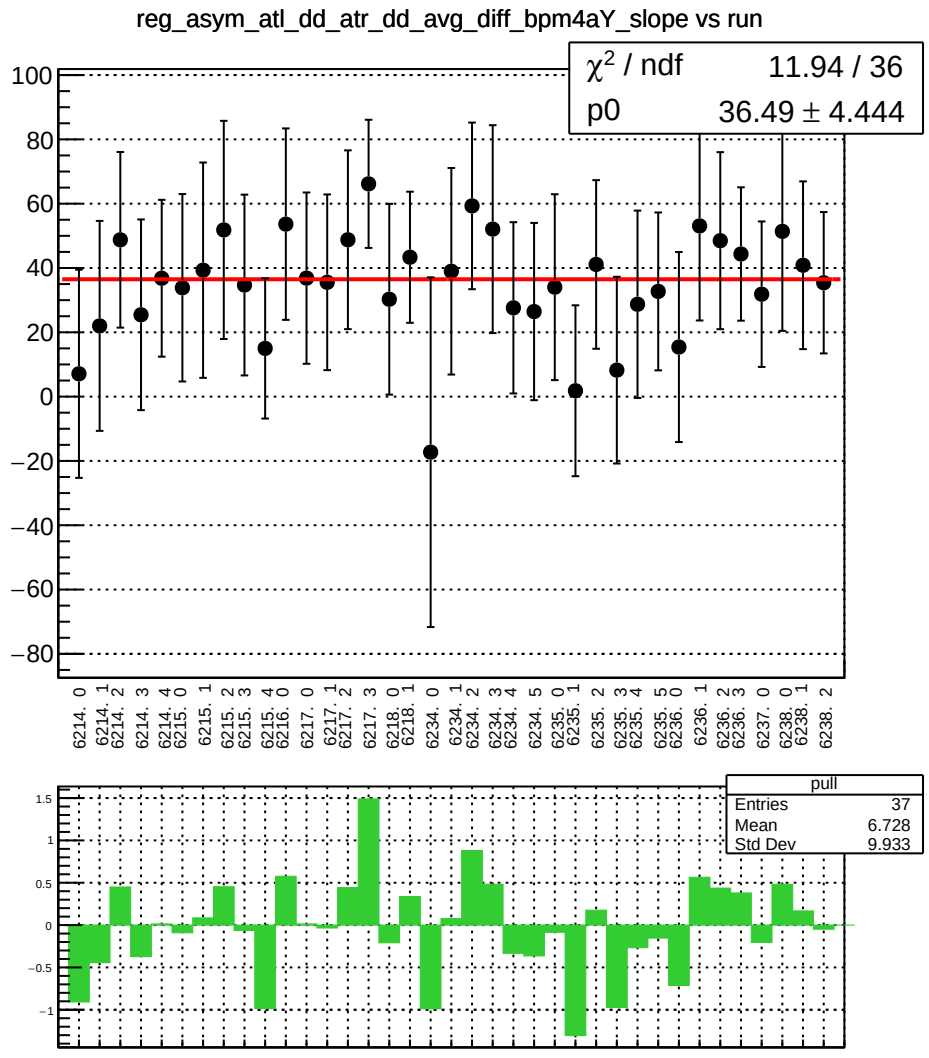

pull1D
Entries 37
Mean −0.09224
Std Dev 0.9294
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

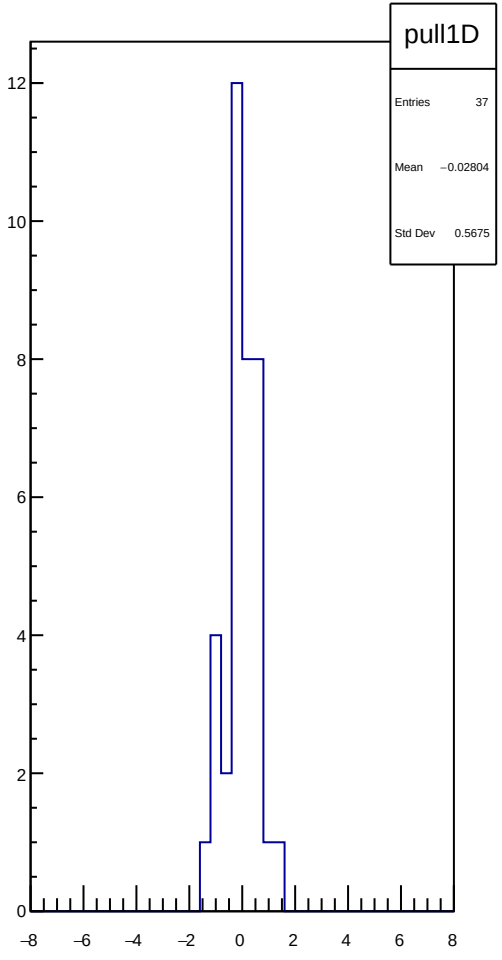

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.63 / 36
p0 −86.83 ± 4.224
0
−20
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 32.94
Std Dev 29.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

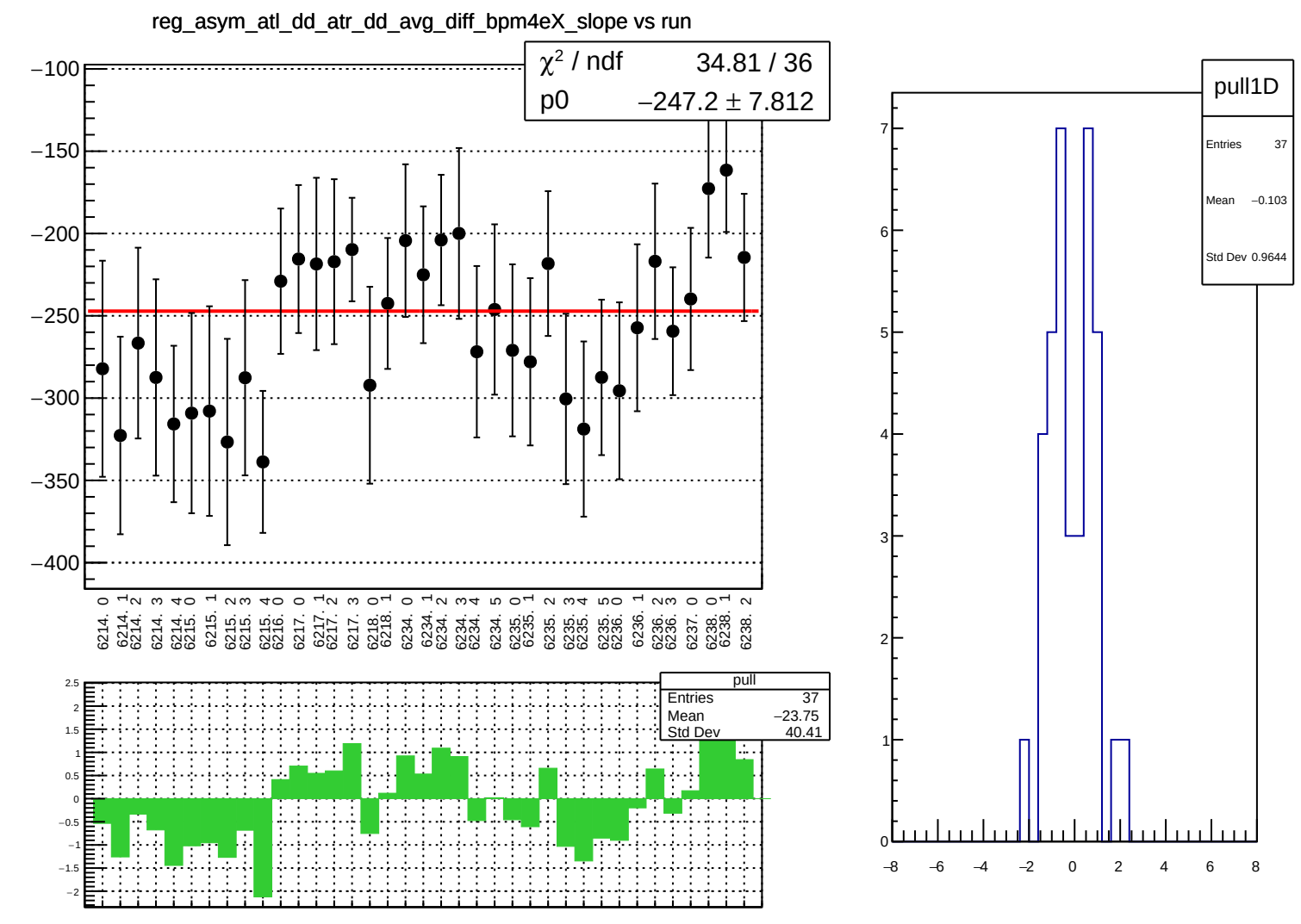

pull1D
Entries 37
Mean 0.01133
Std Dev 0.584
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

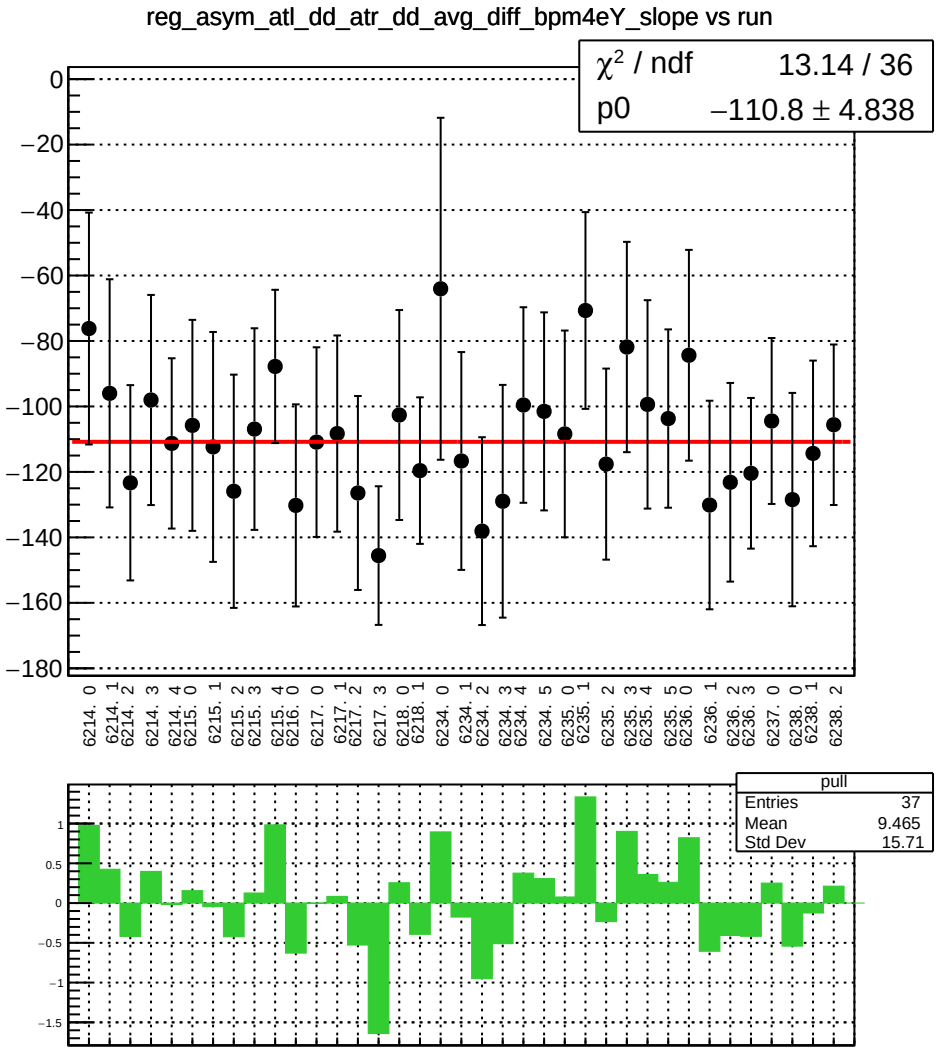

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.39 / 36
p0 78.79 ± 0.3139
90
88
86
84
82
80
78
76
74
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −15.03
Std Dev 39.36
3
2
1
0
−1
pull1D
Entries 37
Mean 0.03875
Std Dev 0.9633
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

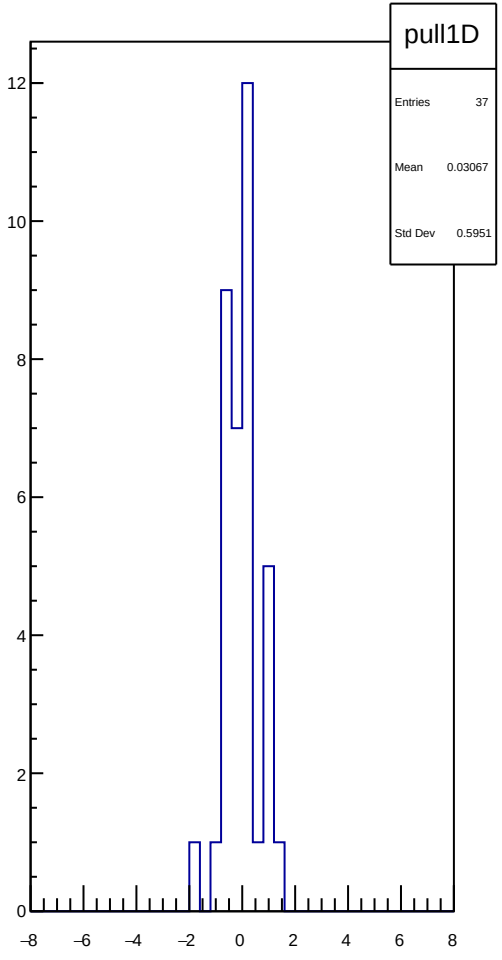

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 33.61 / 36
p0 180.8 ± 6.794
300
250
200
150
100
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −22.62
Std Dev 39.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1011
Std Dev 0.9477
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

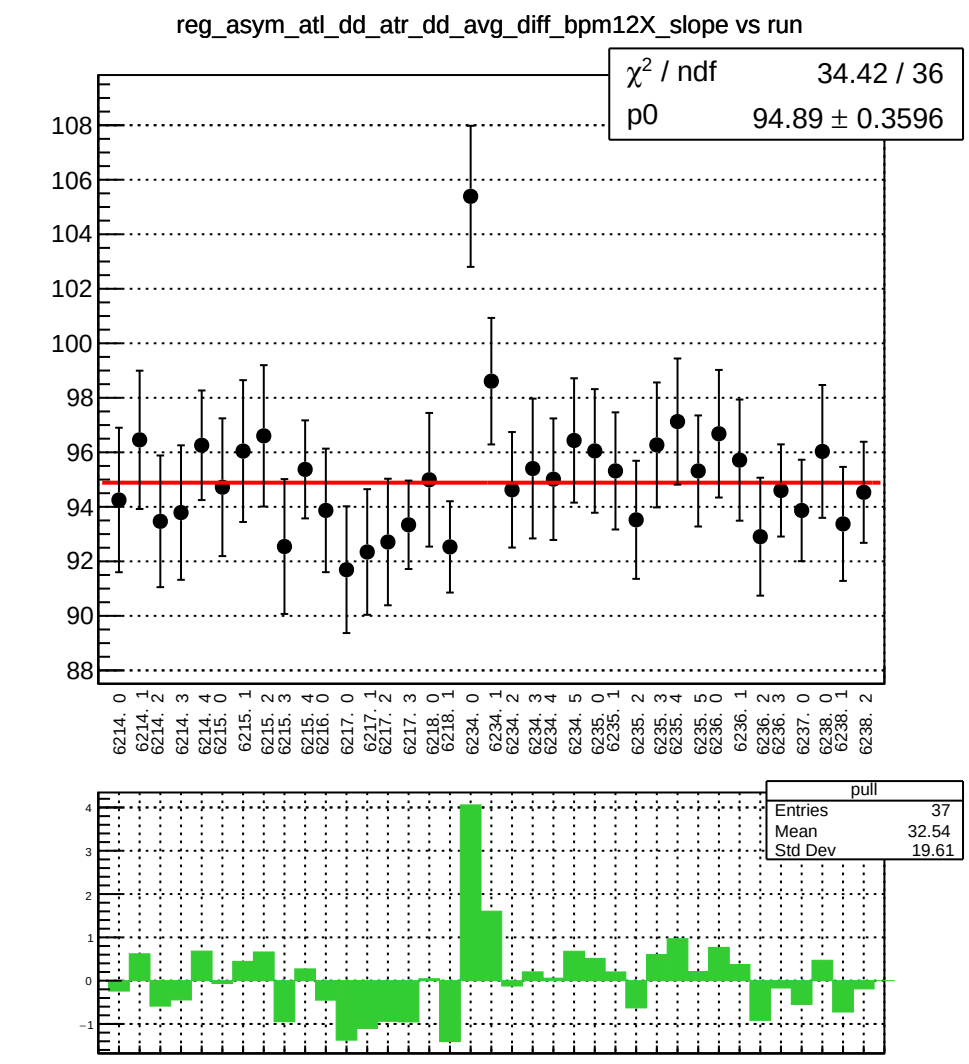

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.94 / 36
p0 36.49 ± 4.444
pull
Entries 37
Mean 6.728
Std Dev 9.933

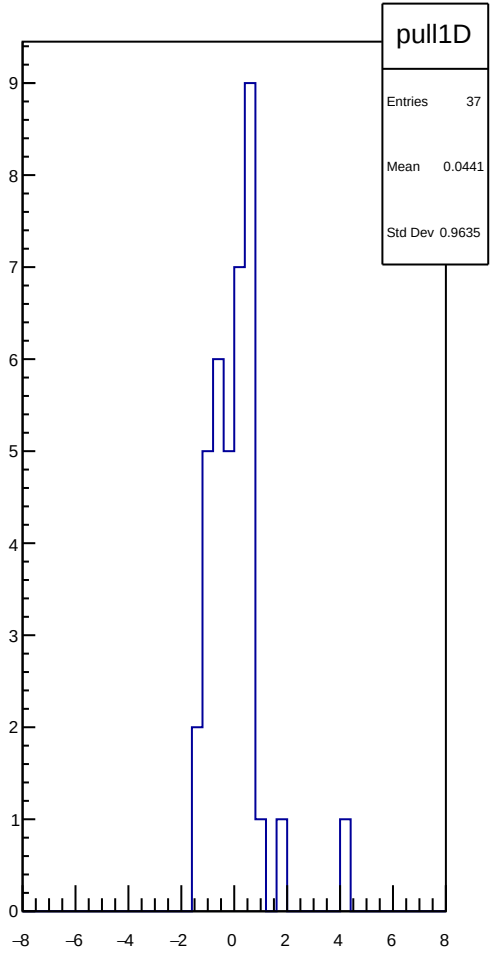

pull1D
Entries 37
Mean −0.02804
Std Dev 0.5675

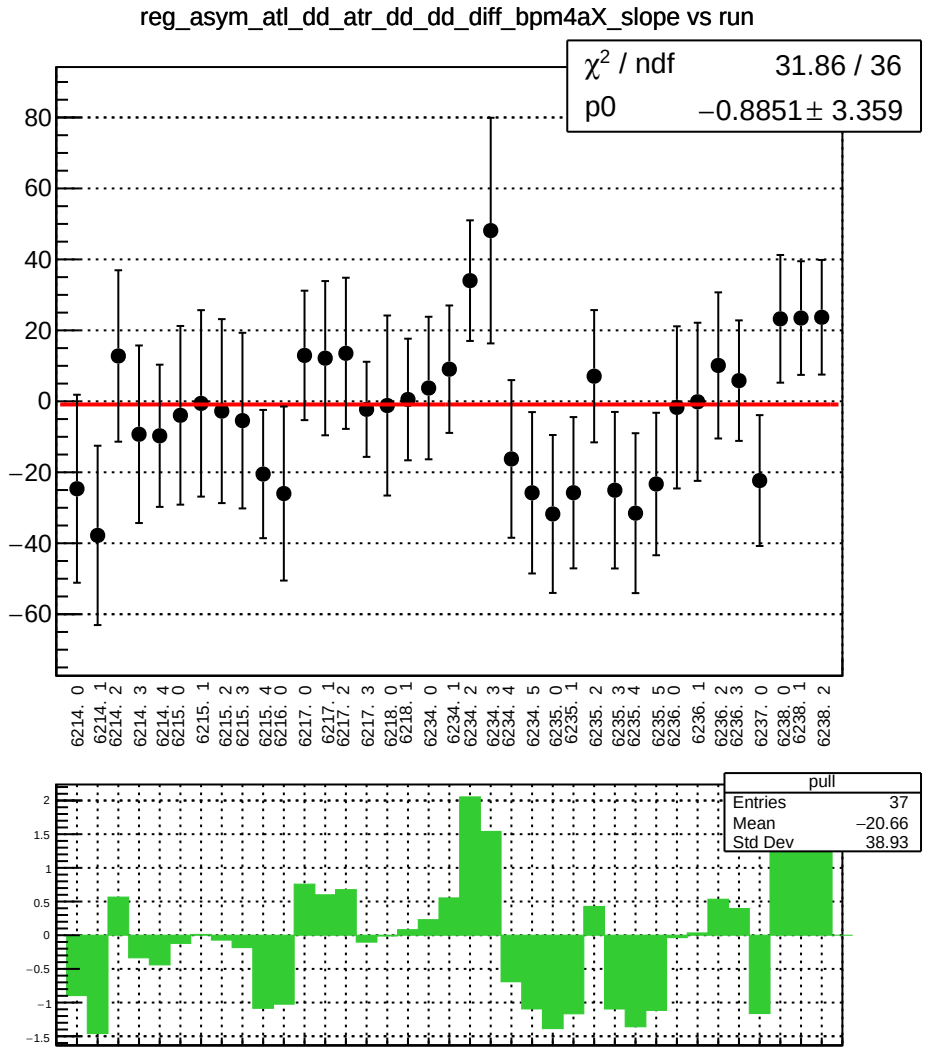

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.81 / 36
p0 −247.2 ± 7.812
−100
−150
−200
−250
−300
−350
−400
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −23.75
Std Dev 40.41
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.103
Std Dev 0.9644
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

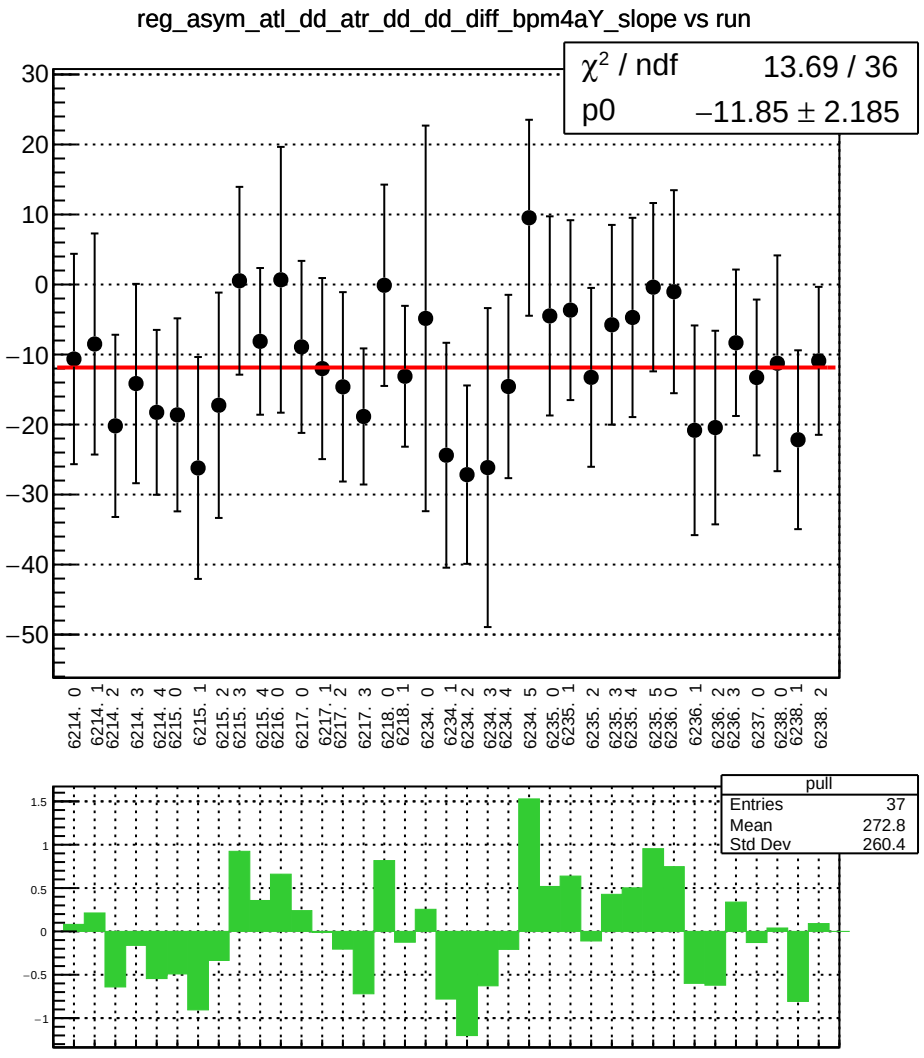

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.14 / 36
p0 −110.8 ± 4.838
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 9.465
Std Dev 15.71
1
0.5
0
−0.5
−1
−1.5

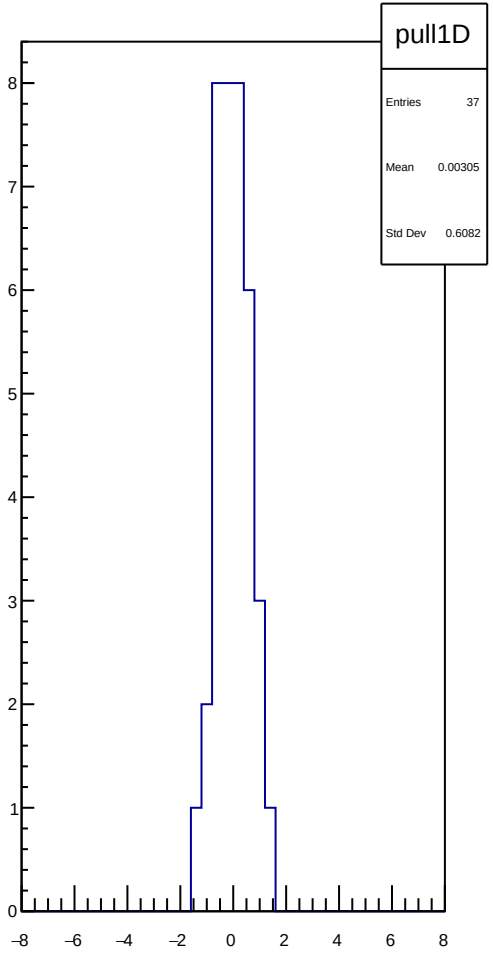

pull1D
Entries 37
Mean 0.03067
Std Dev 0.5951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

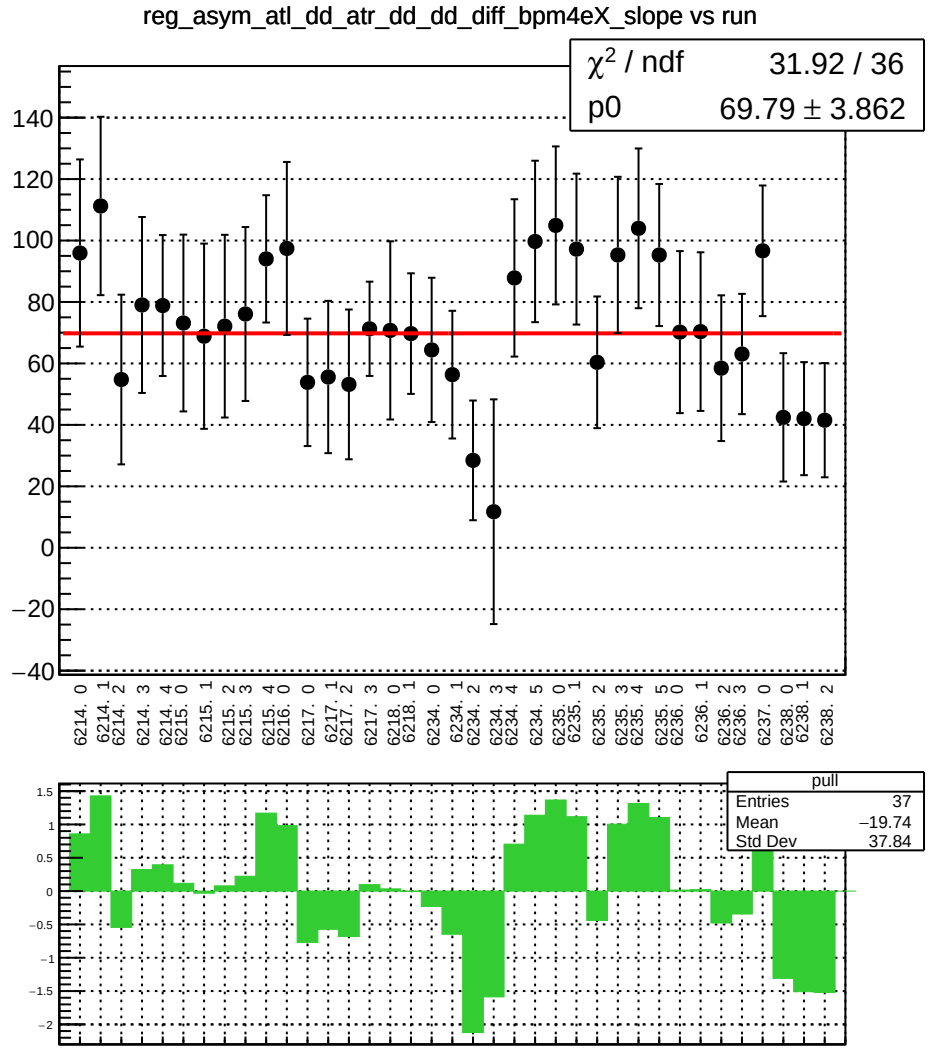

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 34.42 / 36
p0 94.89 ± 0.3596
108
106
104
102
100
98
96
94
92
90
88
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 32.54
Std Dev 19.61
4
3
2
1
0
−1

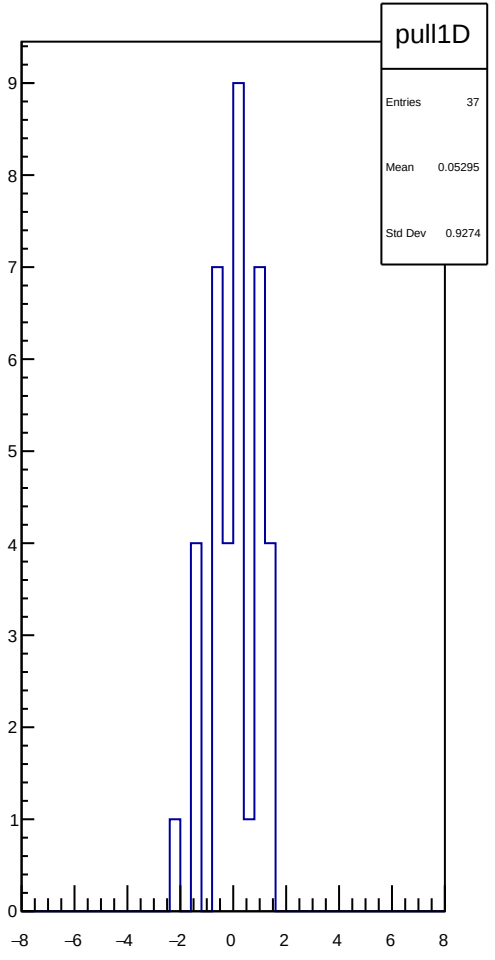

pull1D
Entries 37
Mean 0.0441
Std Dev 0.9635
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

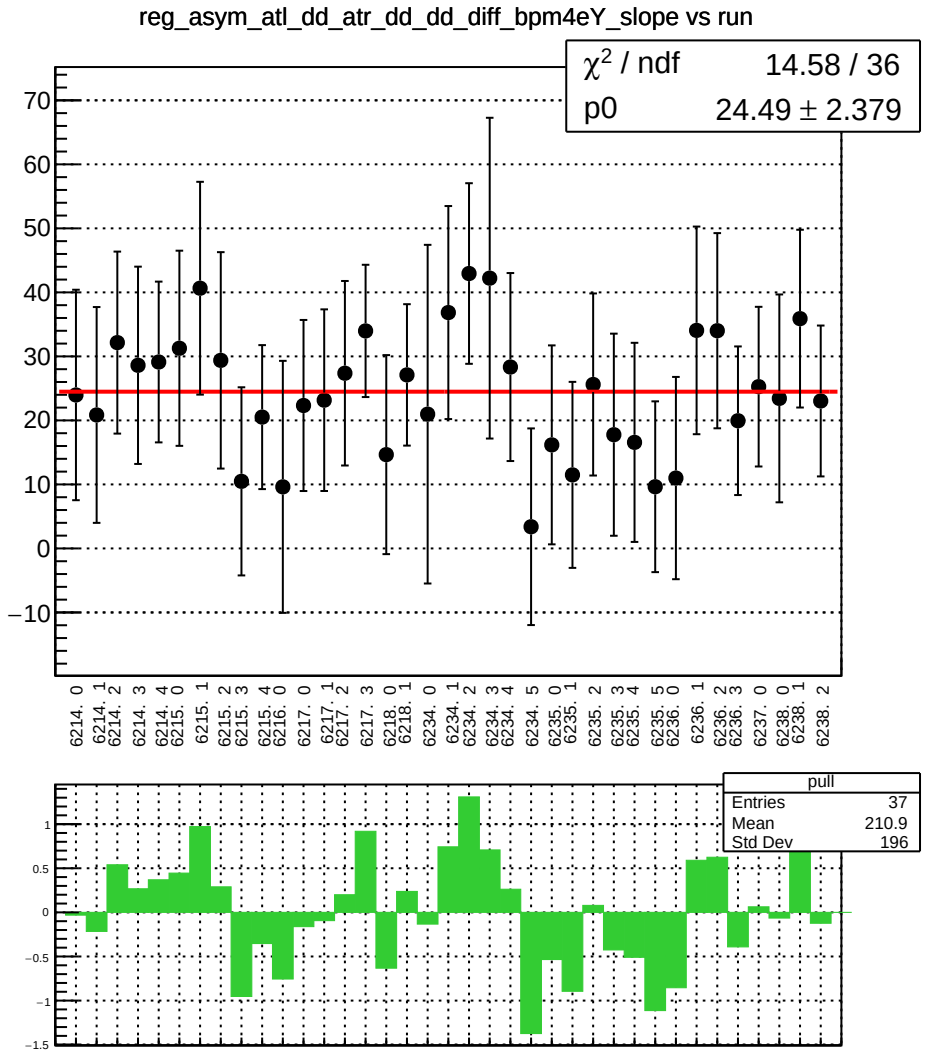

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 31.86 / 36
p0 −0.8851 ± 3.359
pull
Entries 37
Mean −20.66
Std Dev 38.93
pull1D
Entries 37
Mean −0.05398
Std Dev 0.9264

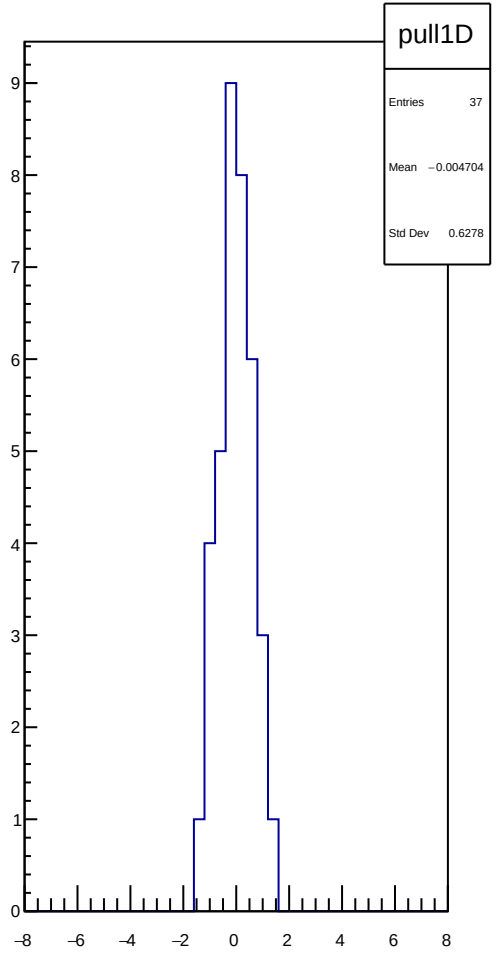

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.69 / 36
p0 −11.85 ± 2.185
pull
Entries 37
Mean 272.8
Std Dev 260.4

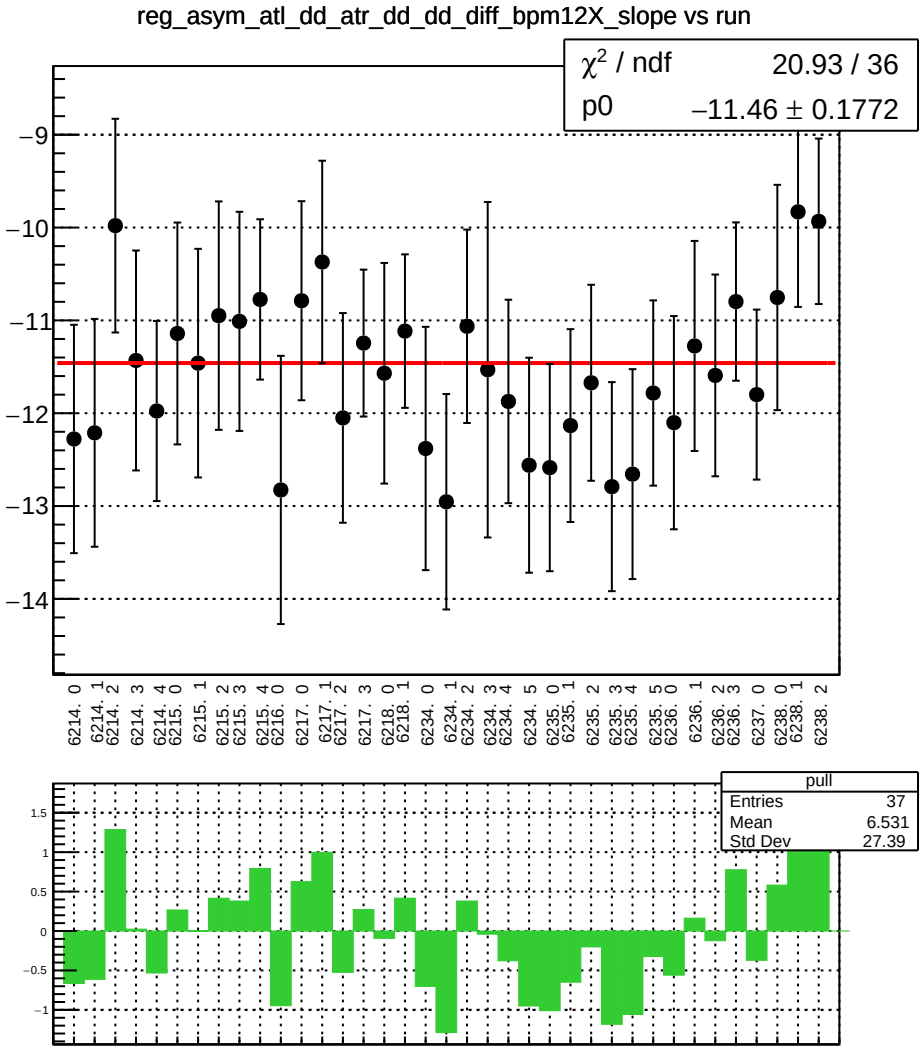

pull1D
Entries 37
Mean 0.00305
Std Dev 0.6082

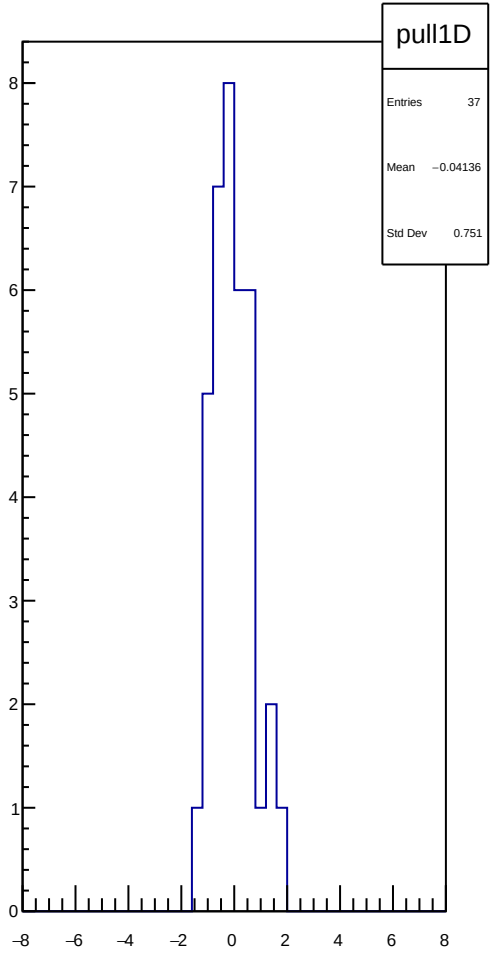

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.92 / 36
p0 69.79 ± 3.862
140
120
100
80
60
40
20
0
−20
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −19.74
Std Dev 37.84
1.5
1
0.5
0
−0.5
−1
−1.5
−2

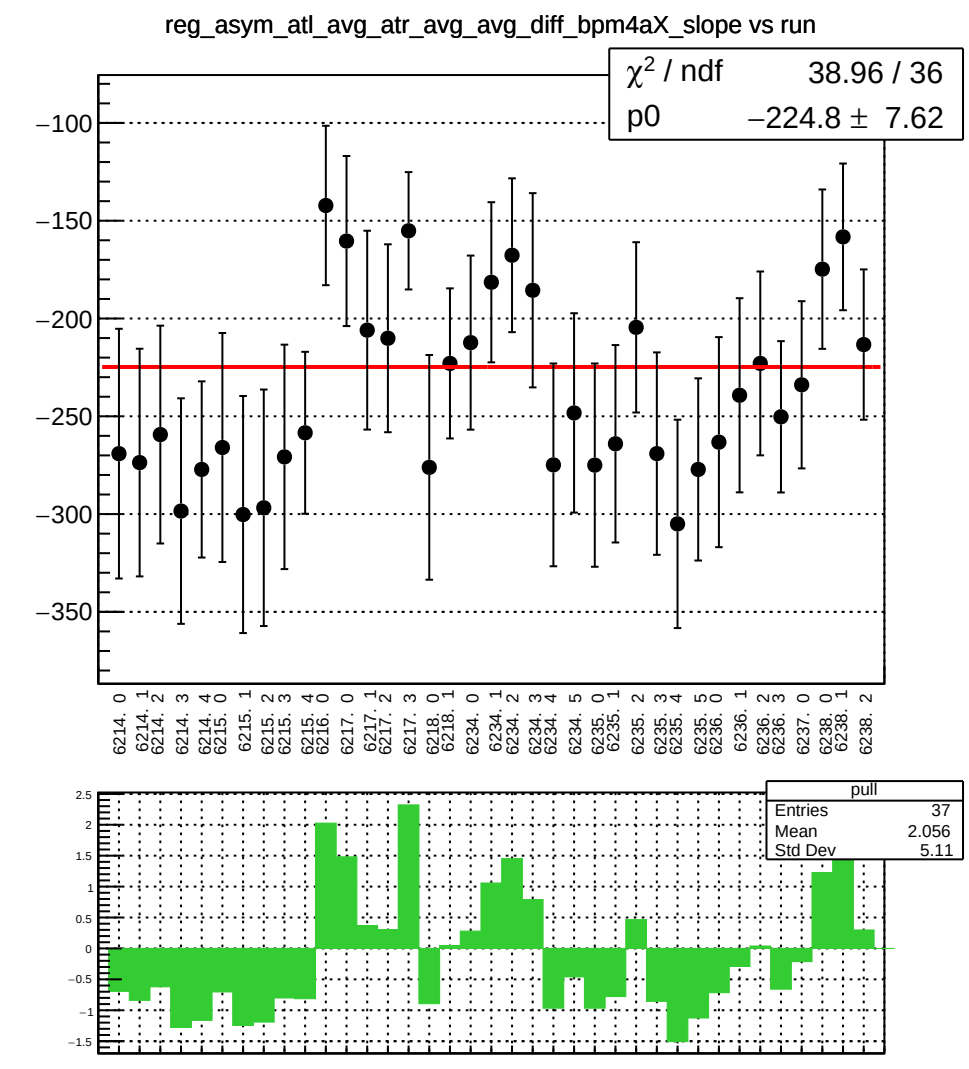

pull1D
Entries 37
Mean 0.05295
Std Dev 0.9274
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

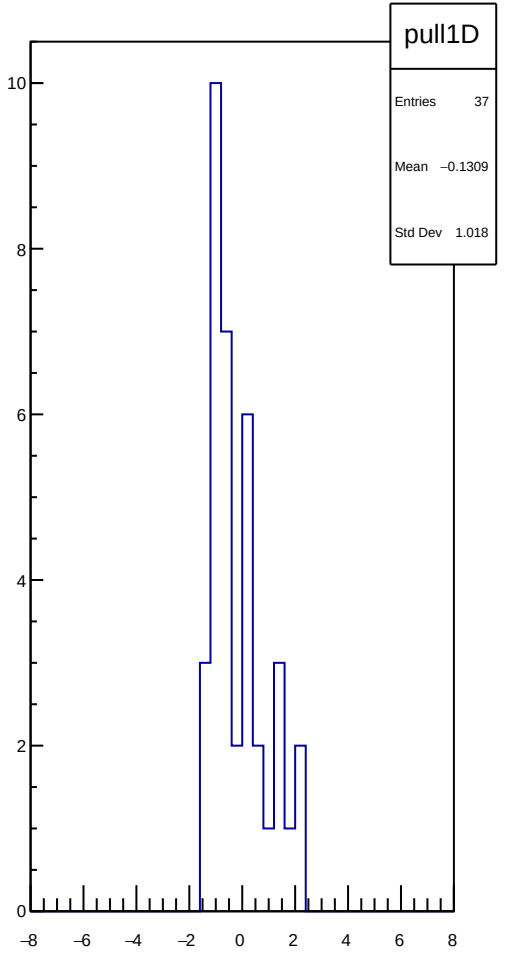

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.58 / 36
p0 24.49 ± 2.379
pull
Entries 37
Mean 210.9
Std Dev 196
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2

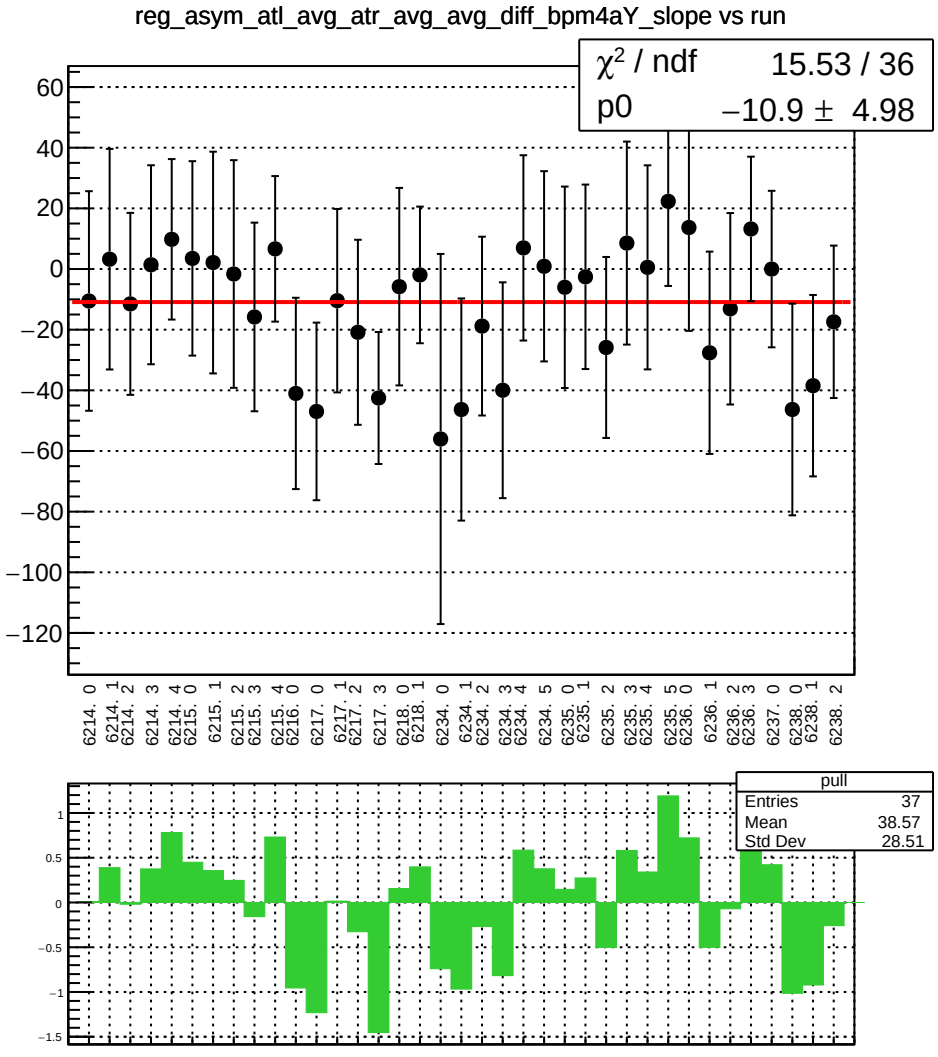

pull1D
Entries 37
Mean −0.004704
Std Dev 0.6278

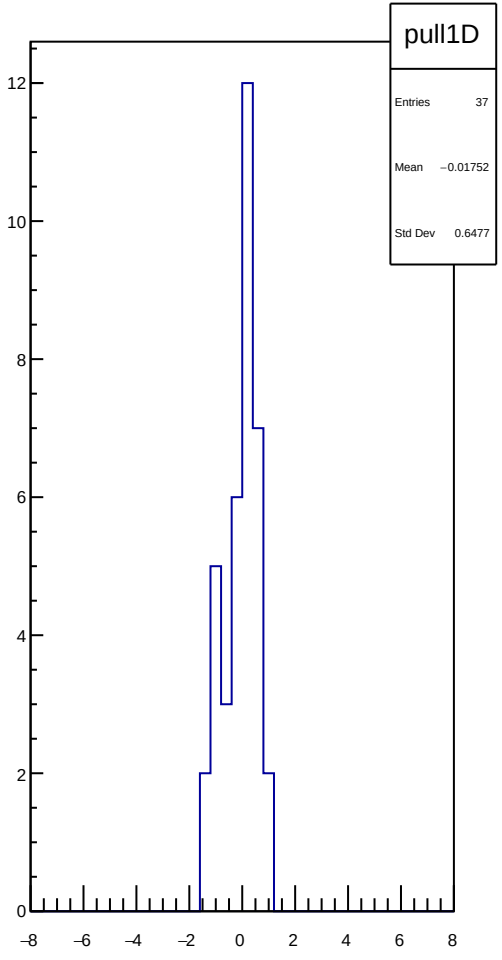

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 20.93 / 36
p0 −11.46 ± 0.1772
pull
Entries 37
Mean 6.531
Std Dev 27.39

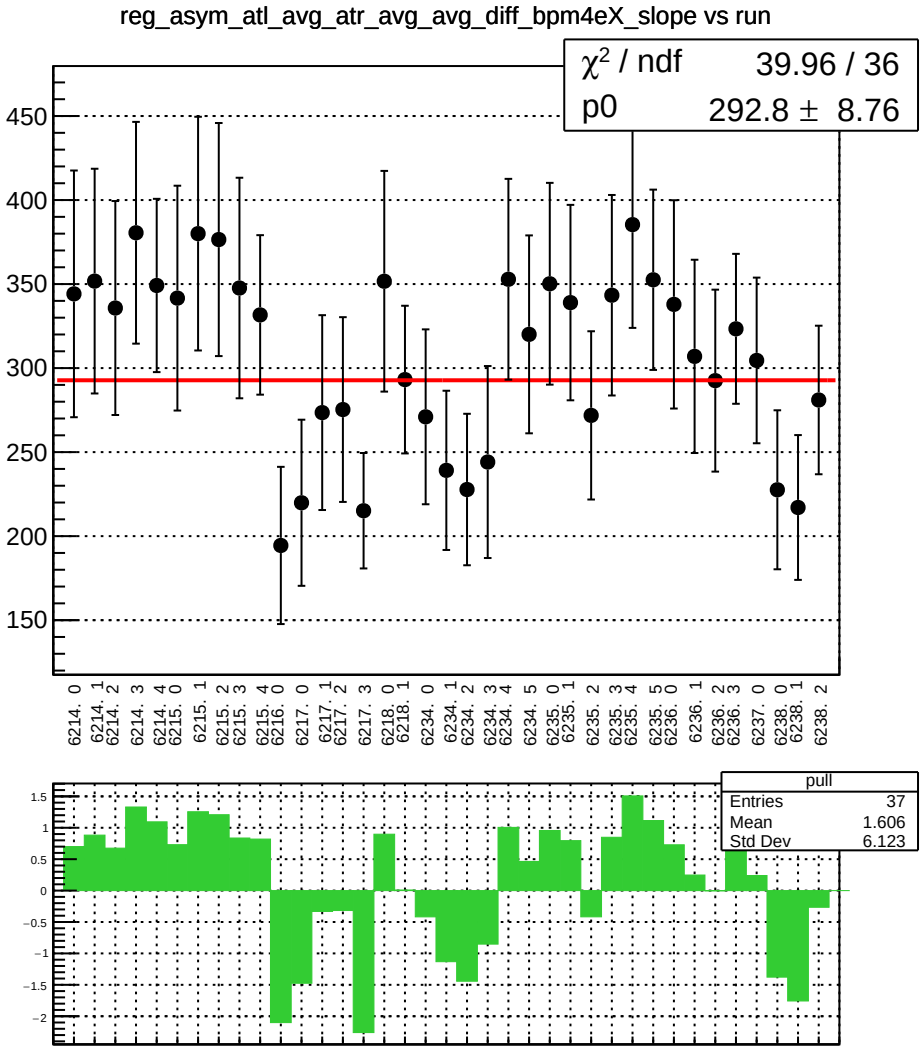

pull1D
Entries 37
Mean −0.04136
Std Dev 0.751

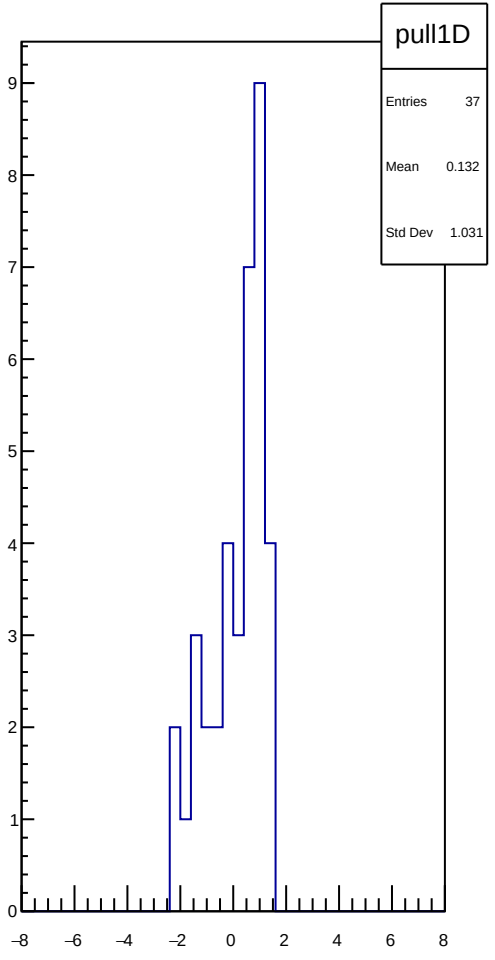

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.96 / 36
p0 −224.8 ± 7.62
−100
−150
−200
−250
−300
−350
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 2.056
Std Dev 5.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

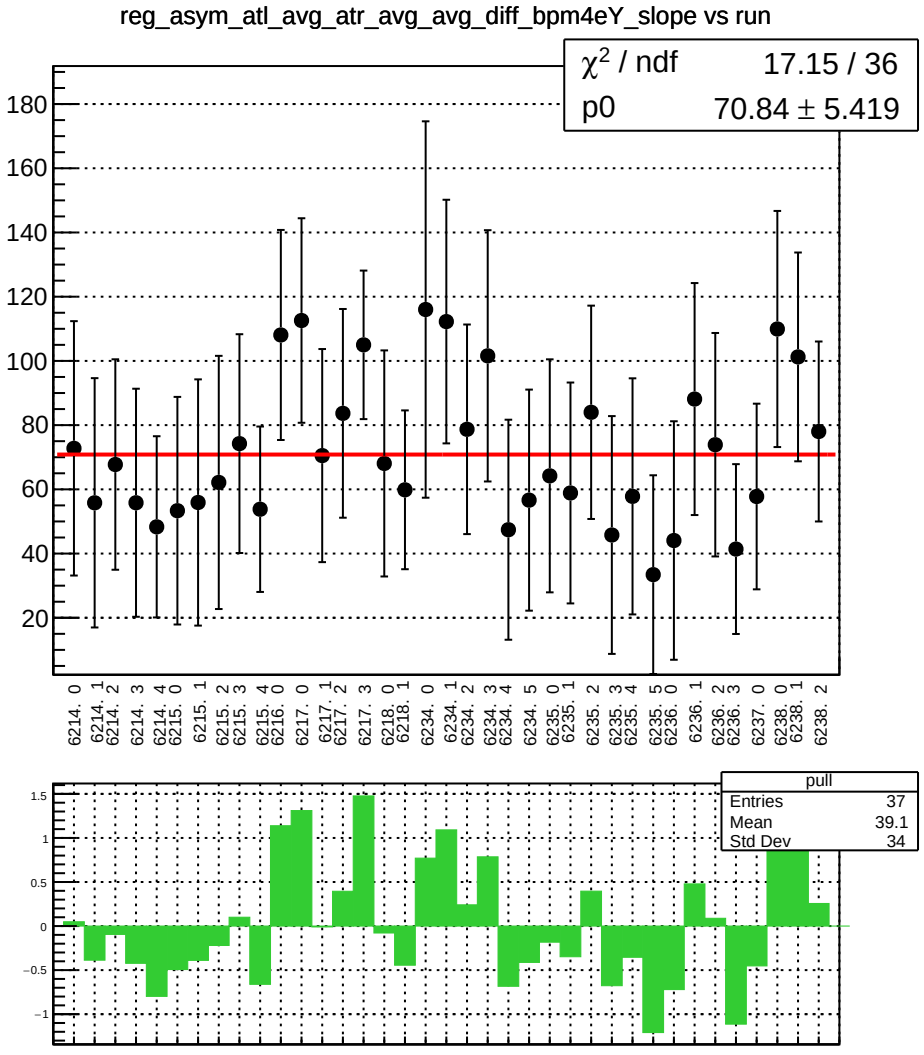

pull1D
Entries 37
Mean −0.1309
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

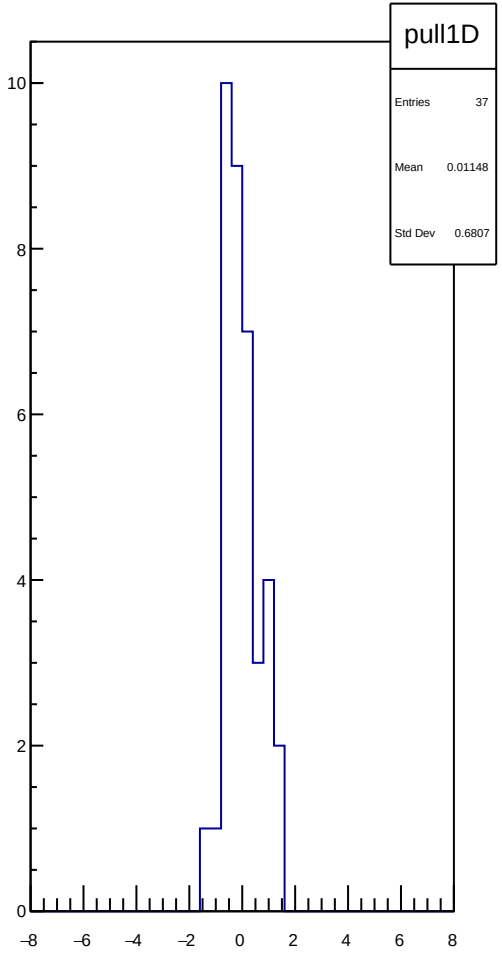

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.53 / 36
p0 −10.9 ± 4.98
60
40
20
0
−20
−40
−60
−80
−100
−120
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 38.57
Std Dev 28.51
1
0.5
0
−0.5
−1
−1.5

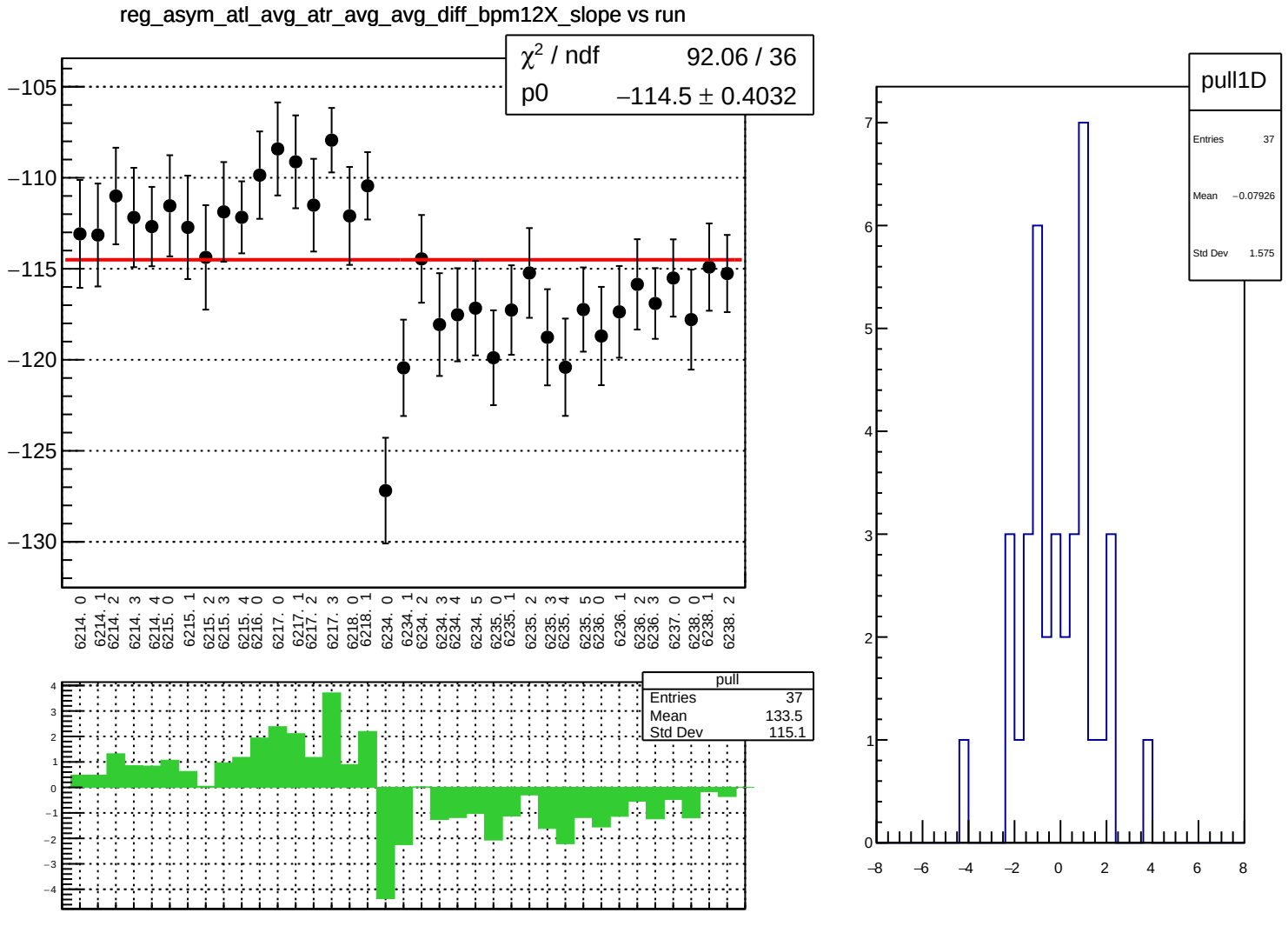

pull1D
Entries 37
Mean −0.01752
Std Dev 0.6477
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

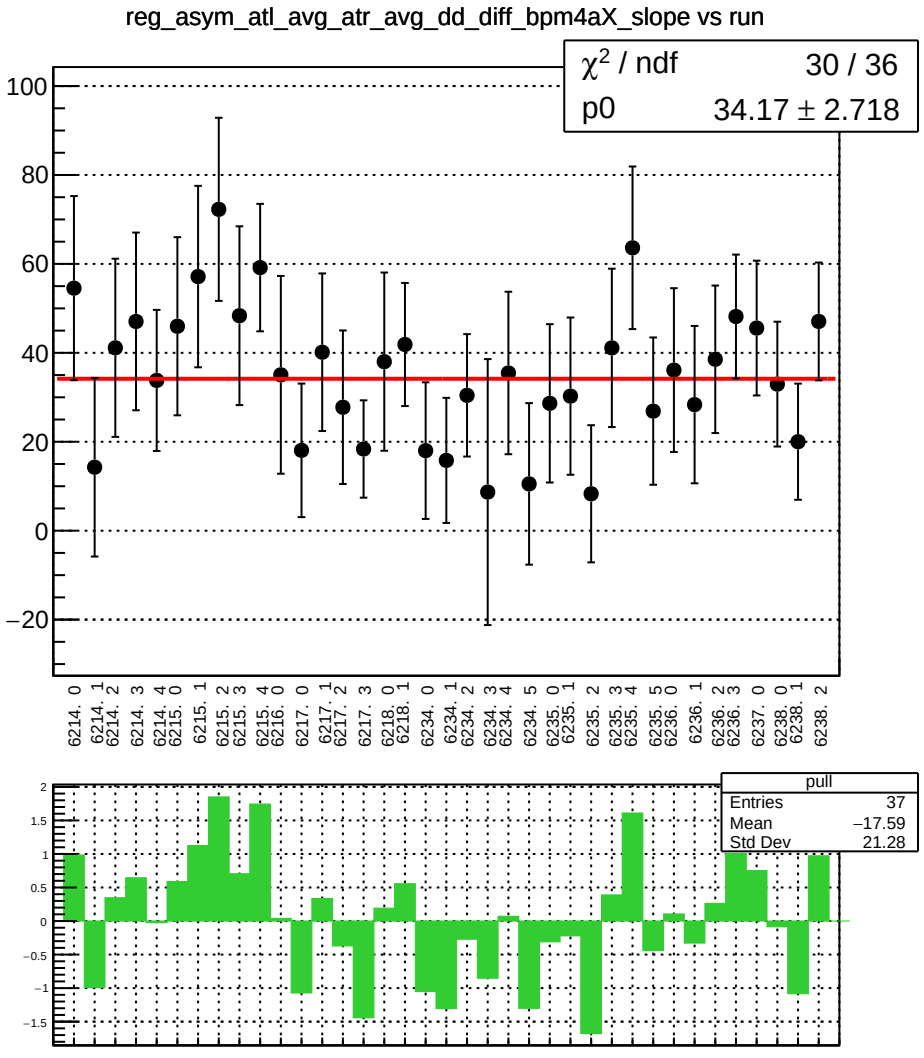

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.96 / 36
p0 292.8 ± 8.76
pull
Entries 37
Mean 1.606
Std Dev 6.123

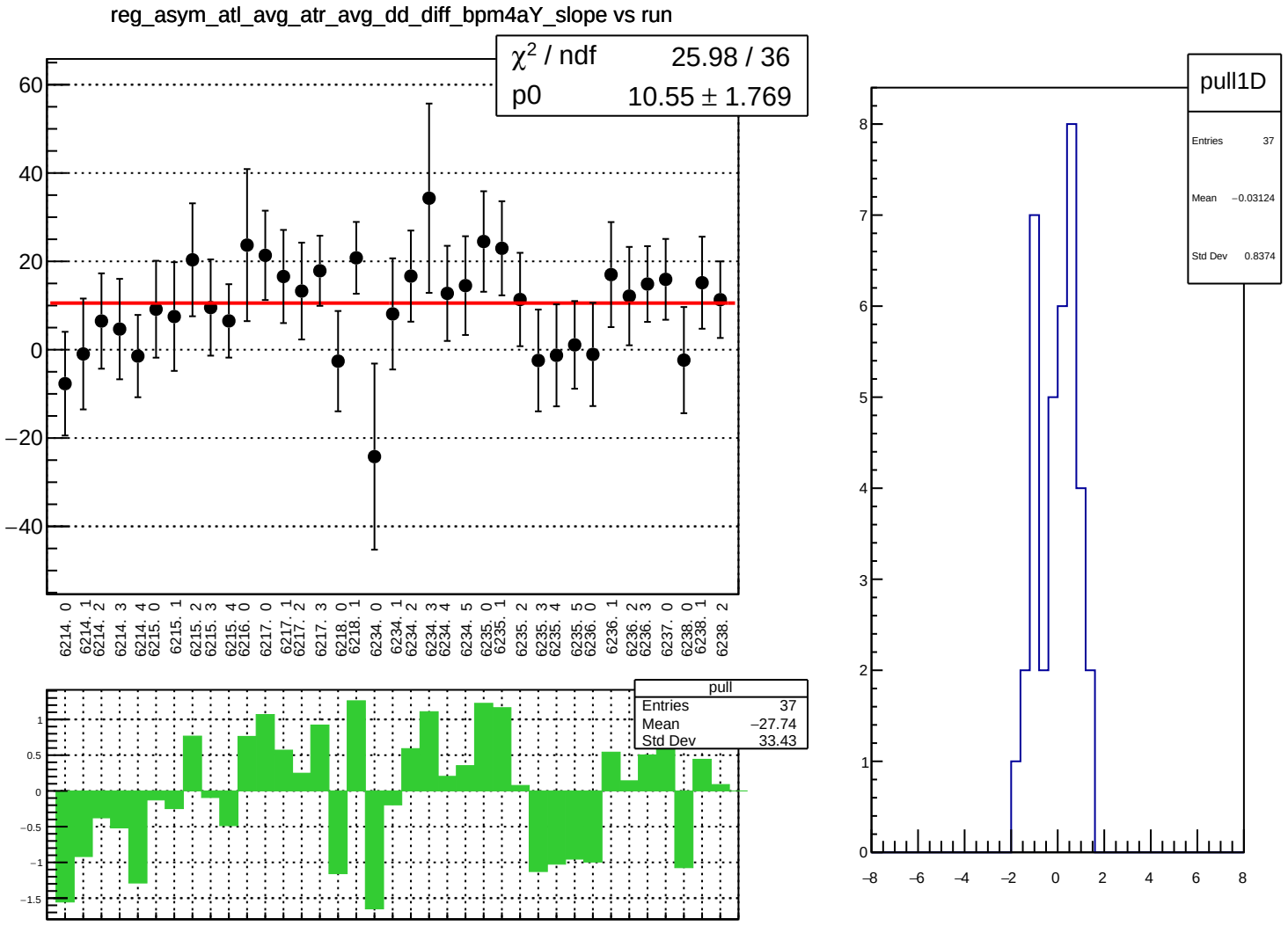

pull1D
Entries 37
Mean 0.132
Std Dev 1.031

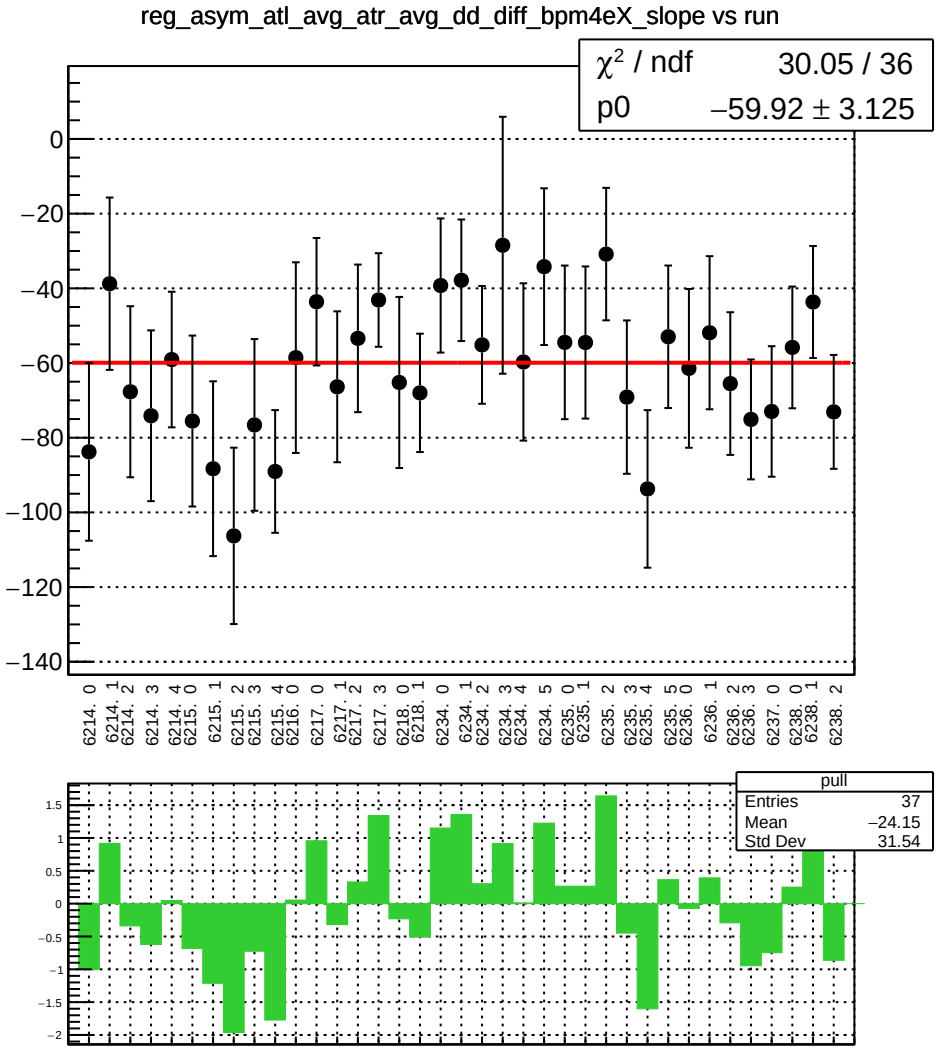

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.15 / 36
p0 70.84 ± 5.419
pull
Entries 37
Mean 39.1
Std Dev 34

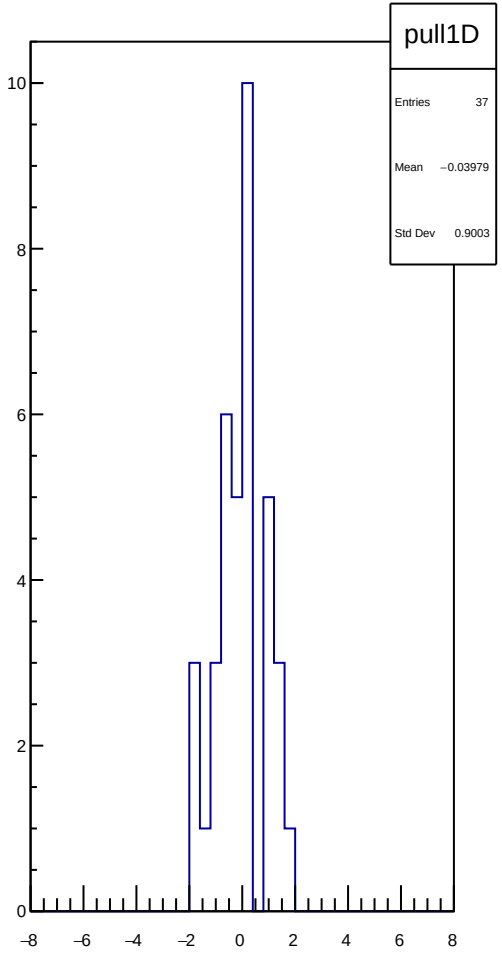

pull1D
Entries 37
Mean 0.01148
Std Dev 0.6807

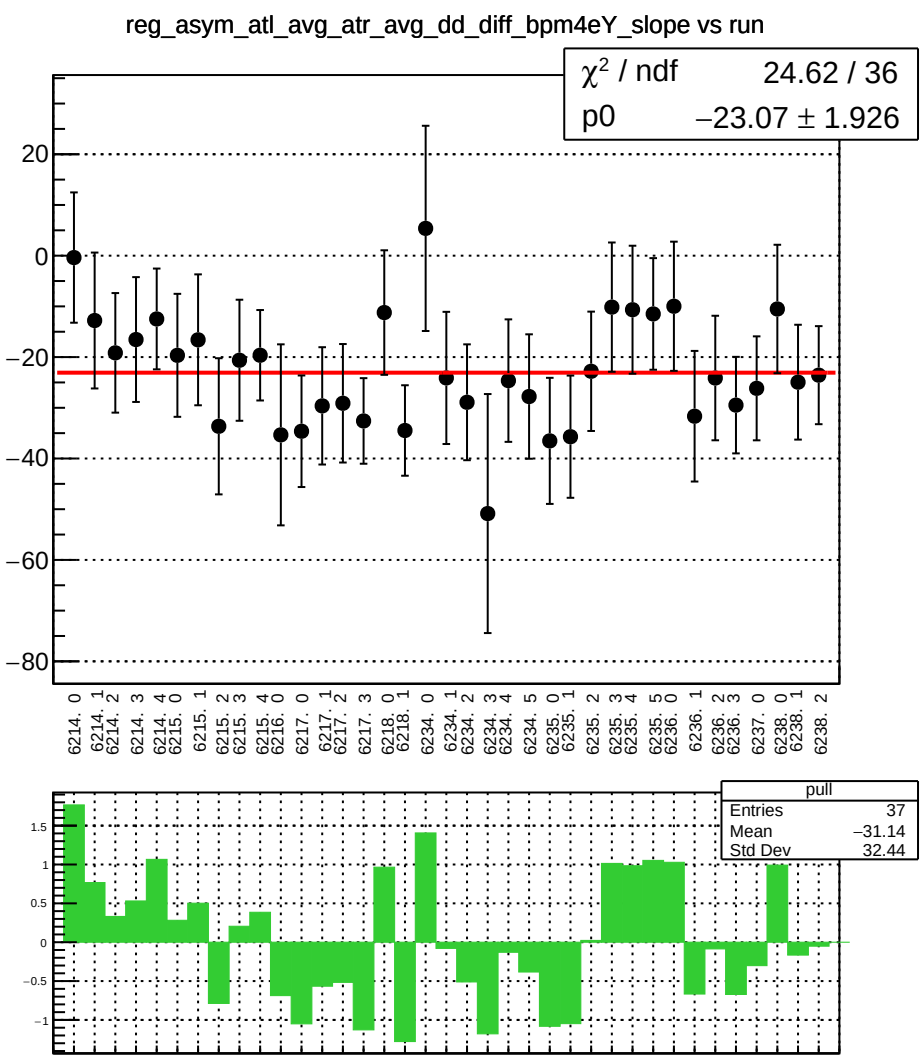

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 92.06 / 36
p0 −114.5 ± 0.4032
−105
−110
−115
−120
−125
−130
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 133.5
Std Dev 115.1
pull1D
Entries 37
Mean −0.07926
Std Dev 1.575

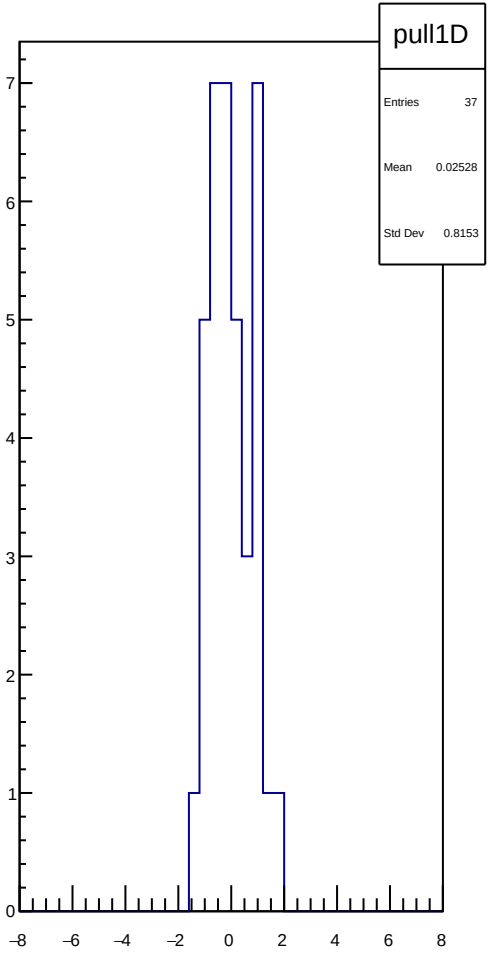

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 30 / 36
p0 34.17 ± 2.718
100
80
60
40
20
0
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −17.59
Std Dev 21.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.03936
Std Dev 0.8996
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

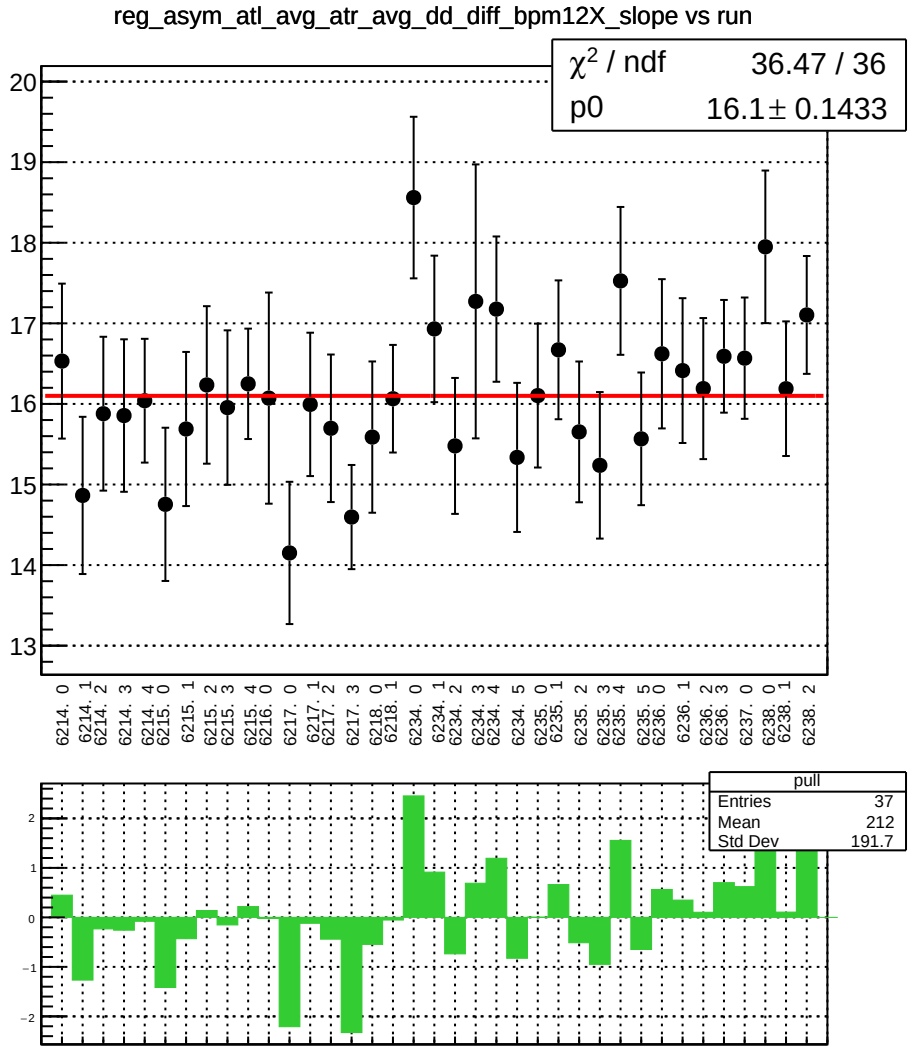

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.98 / 36
p0 10.55 ± 1.769
60
40
20
0
−20
−40
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −27.74
Std Dev 33.43
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.03124
Std Dev 0.8374
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

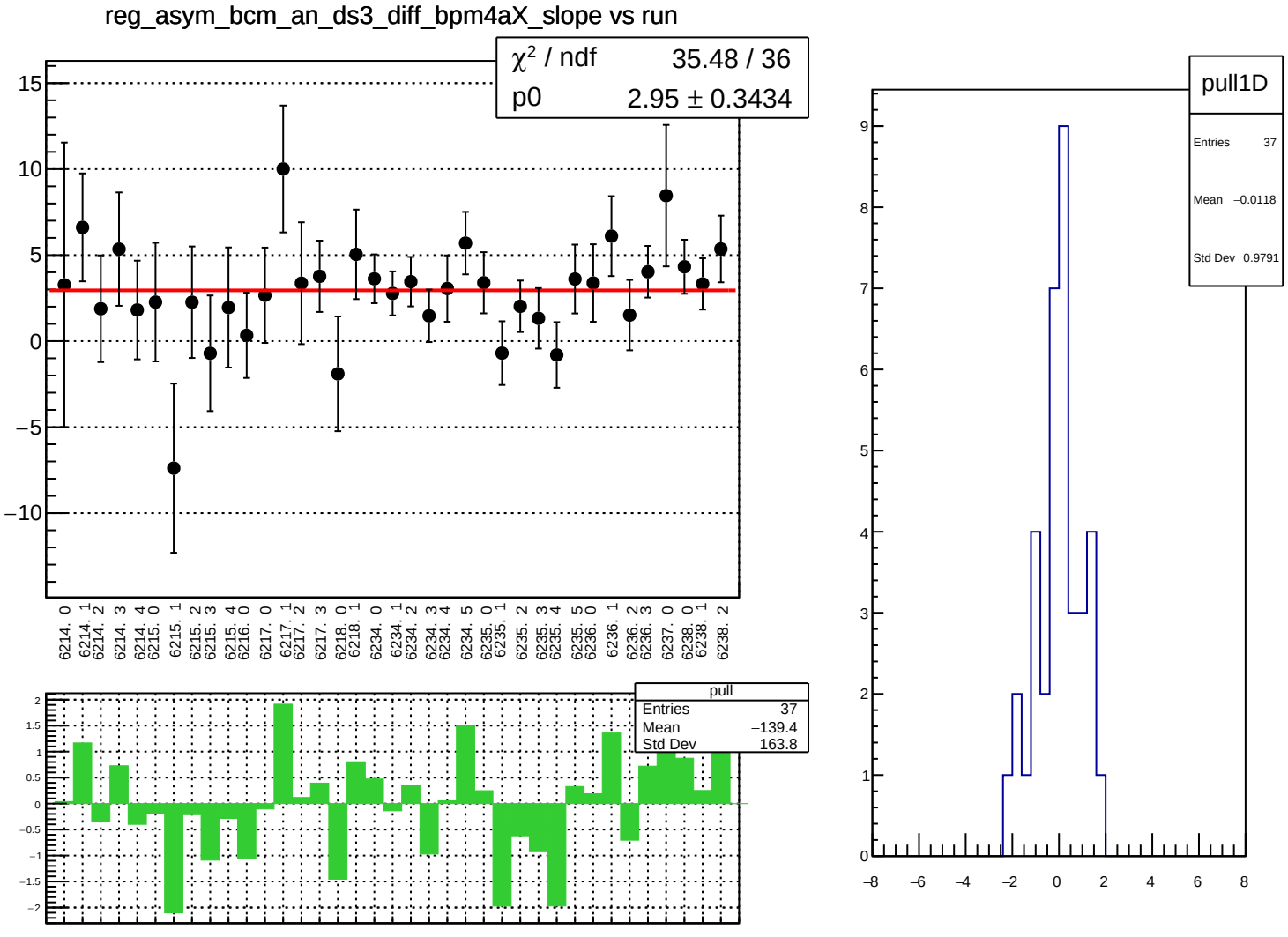

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.05 / 36
p0 −59.92 ± 3.125
0
−20
−40
−60
−80
−100
−120
−140
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −24.15
Std Dev 31.54
1.5
1
0.5
0
−0.5
−1
−1.5
−2

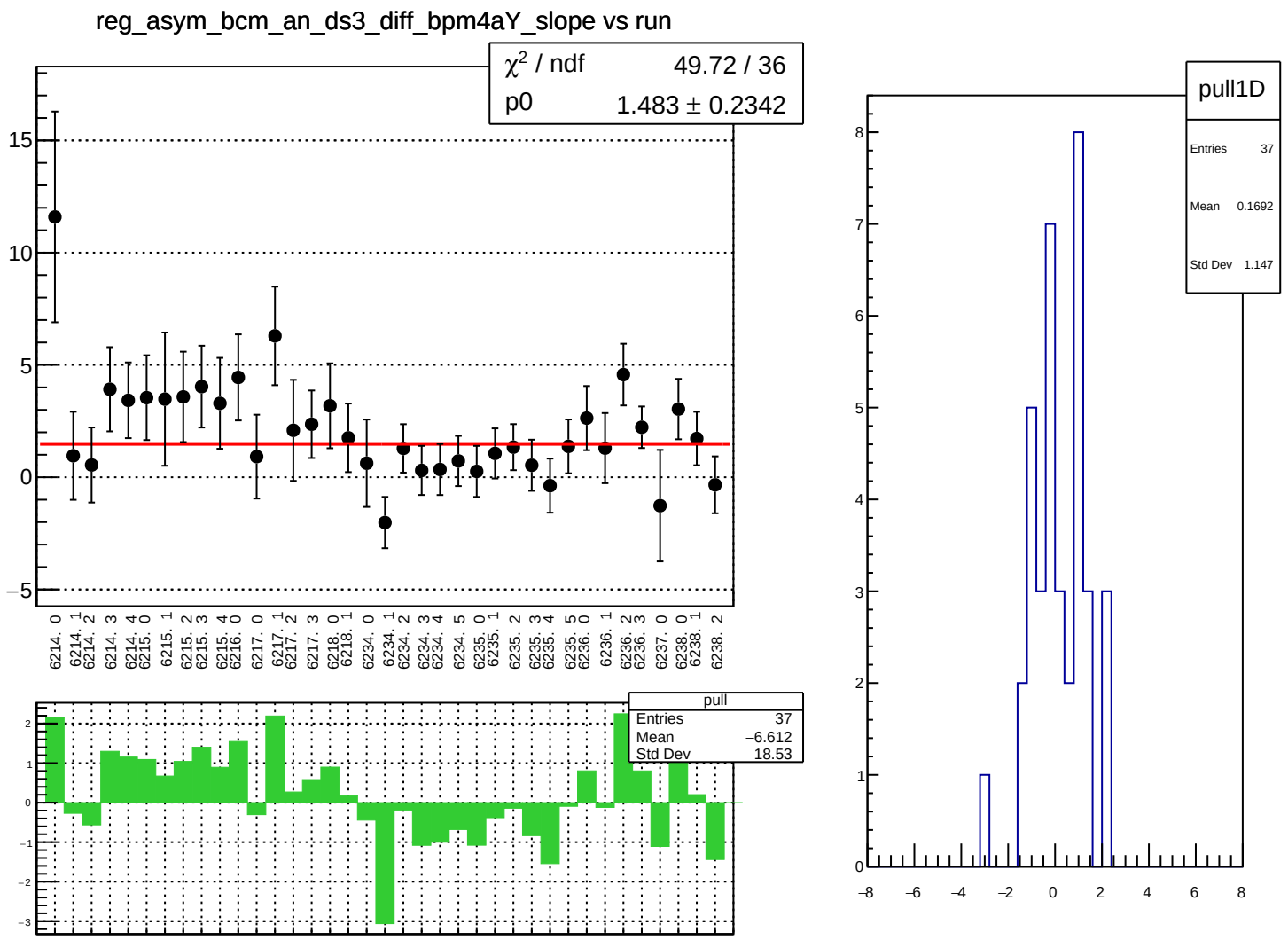

pull1D
Entries 37
Mean −0.03979
Std Dev 0.9003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

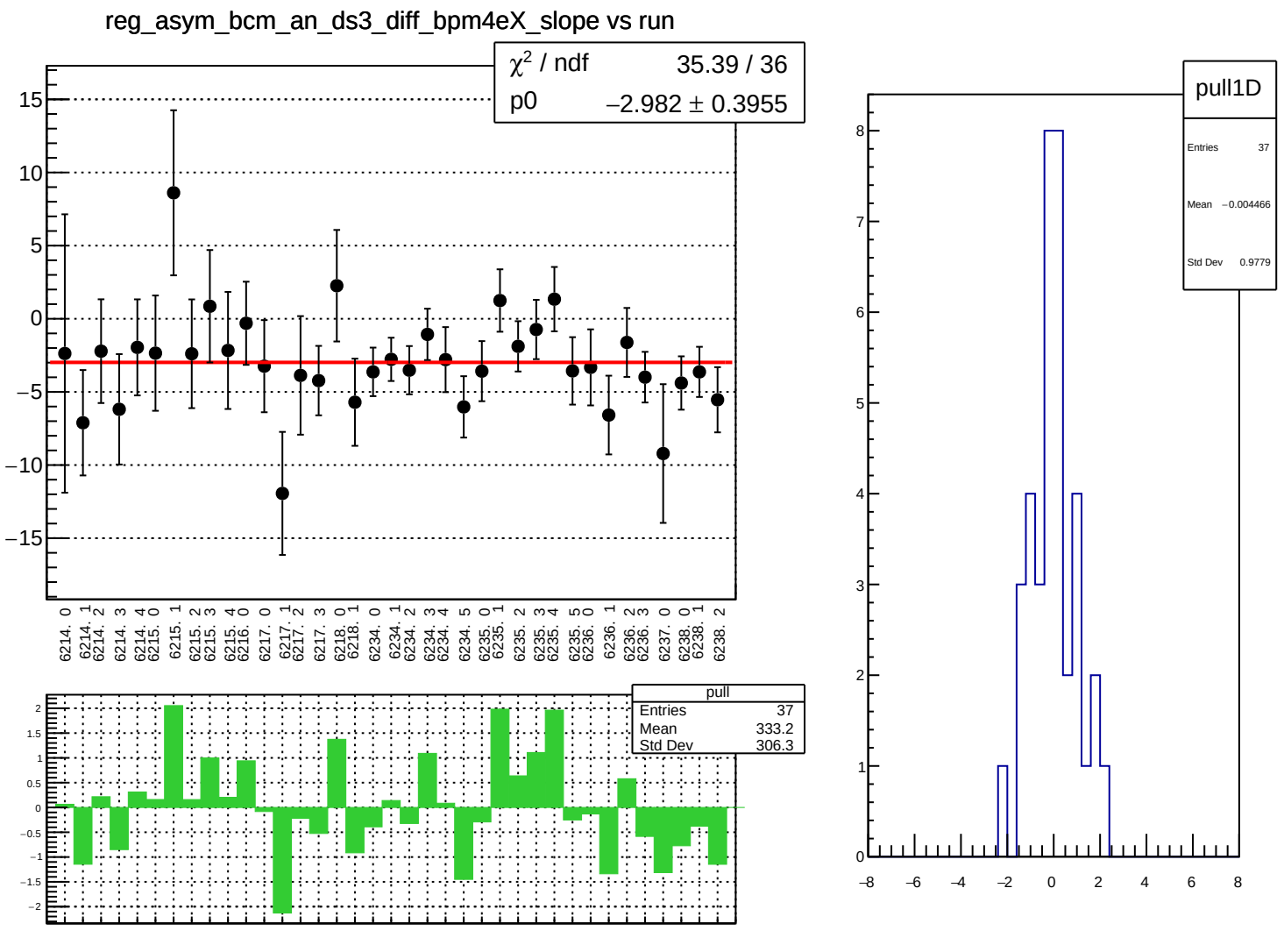

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.62 / 36
p0 −23.07 ± 1.926
20
0
−20
−40
−60
−80
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −31.14
Std Dev 32.44
1.5
1
0.5
0
−0.5
−1

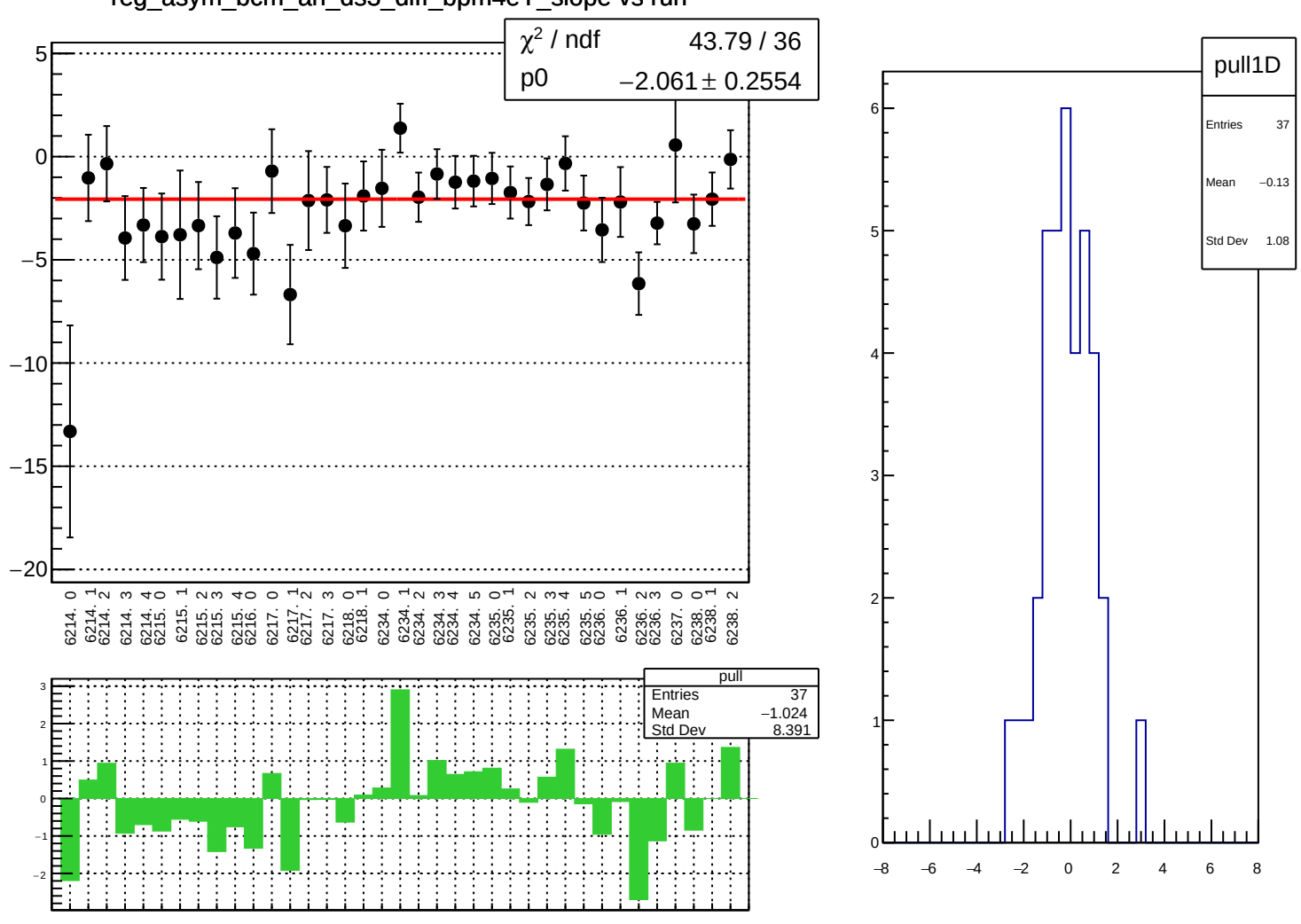

pull1D
Entries 37
Mean 0.02528
Std Dev 0.8153
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

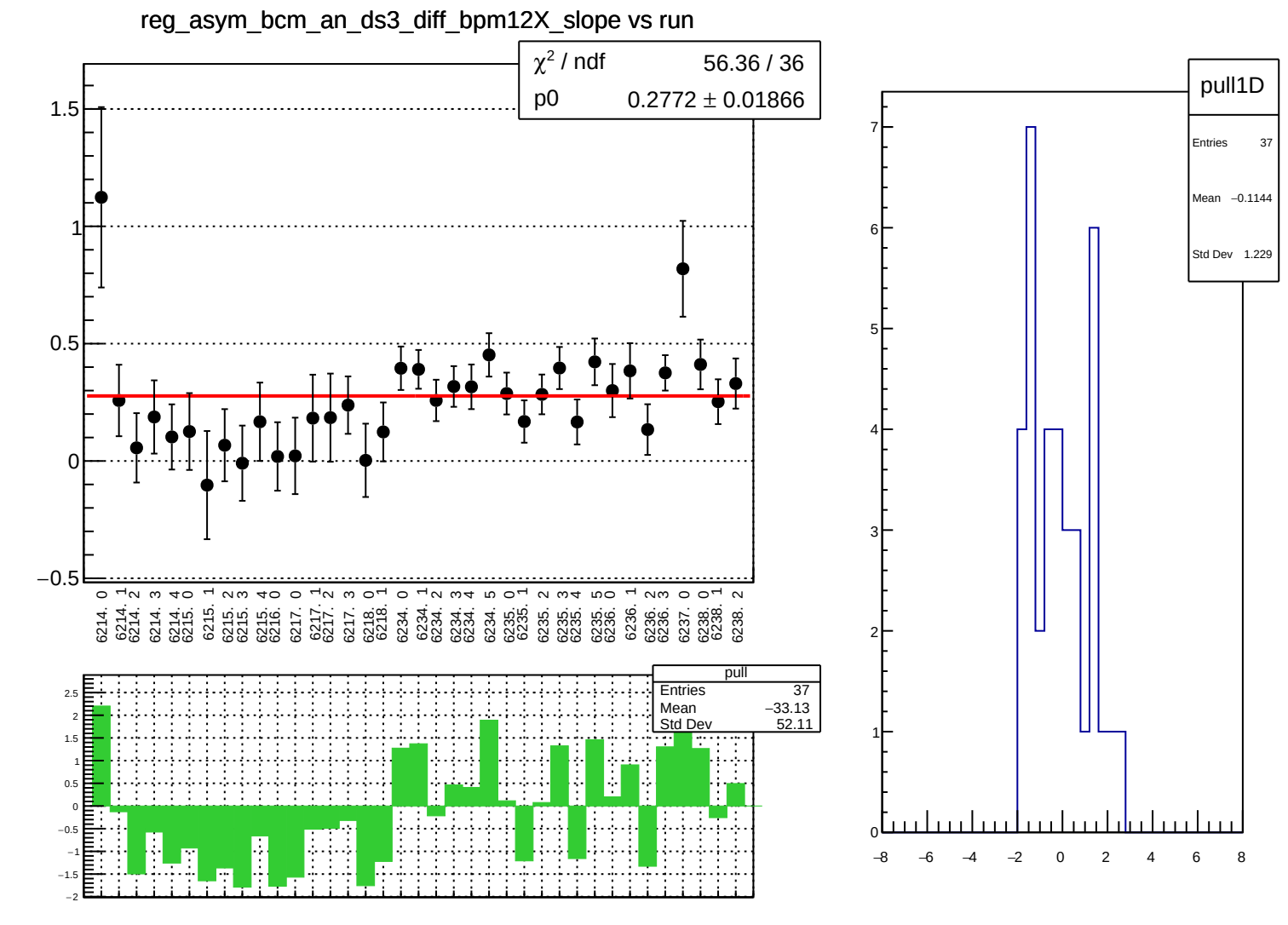

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 36.47 / 36
p0 16.1 ± 0.1433
20
19
18
17
16
15
14
13
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 212
Std Dev 191.7
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02246
Std Dev 0.9926
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

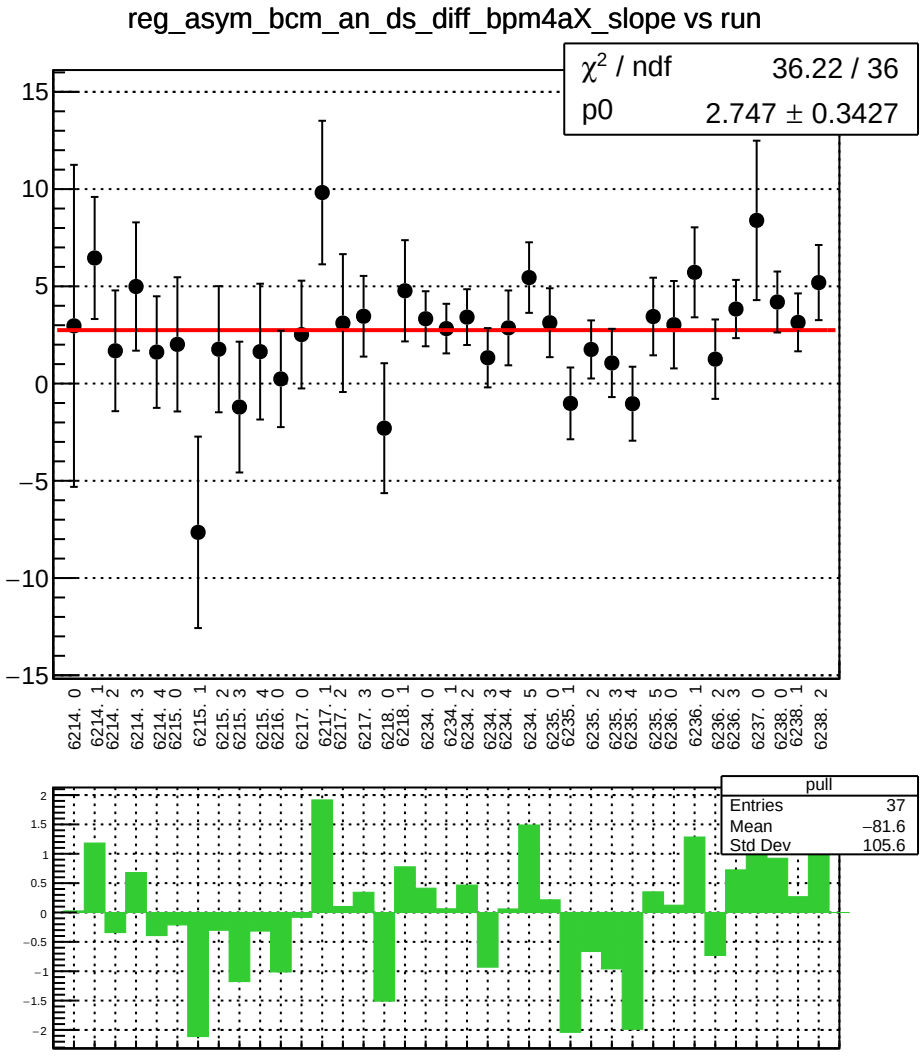

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 35.48 / 36
p0 2.95 ± 0.3434
15
10
5
0
−5
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −139.4
Std Dev 163.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.0118
Std Dev 0.9791
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

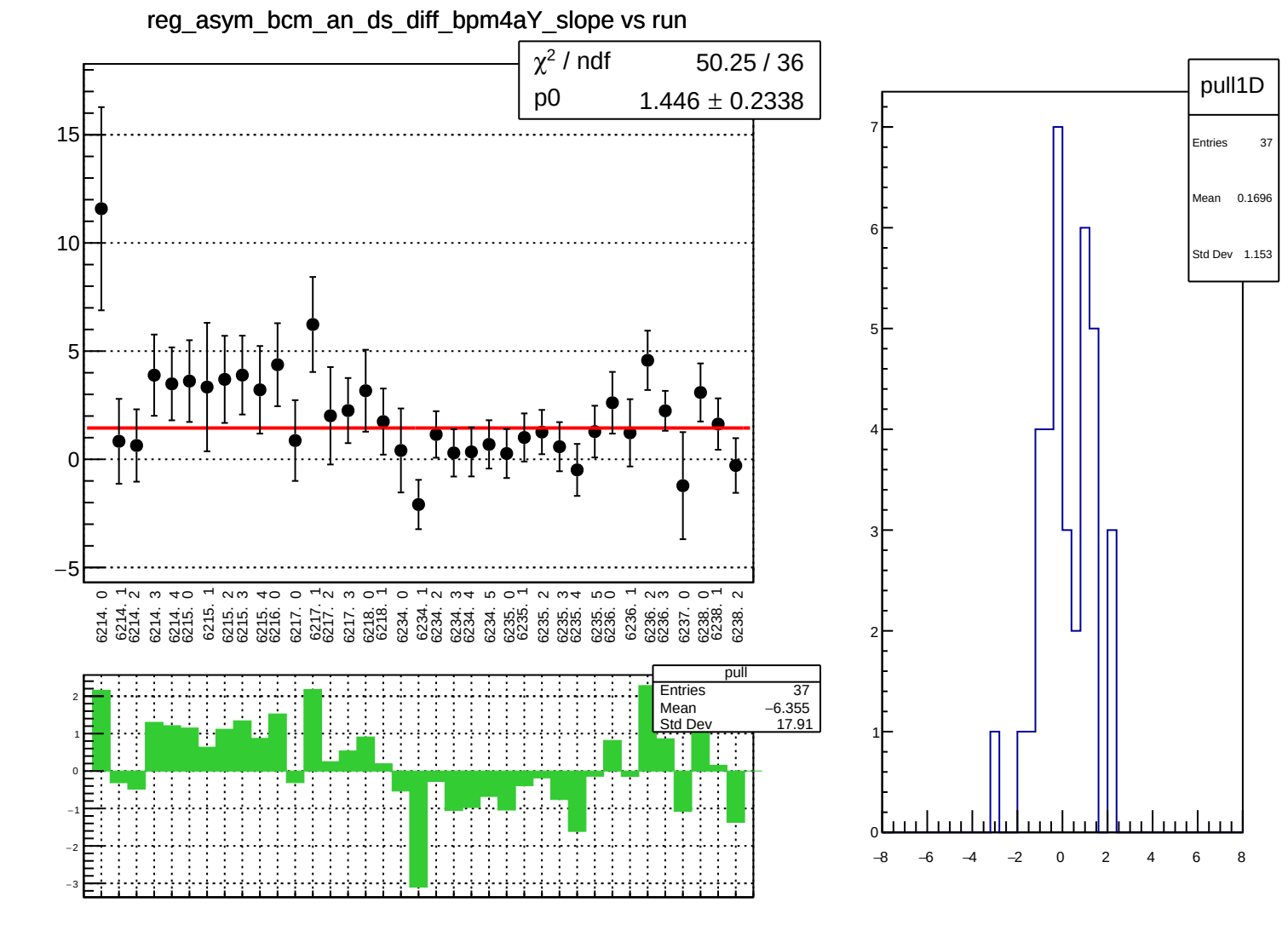

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 49.72 / 36
p0 1.483 ± 0.2342
15
10
5
0
−5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −6.612
Std Dev 18.53
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.1692
Std Dev 1.147
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

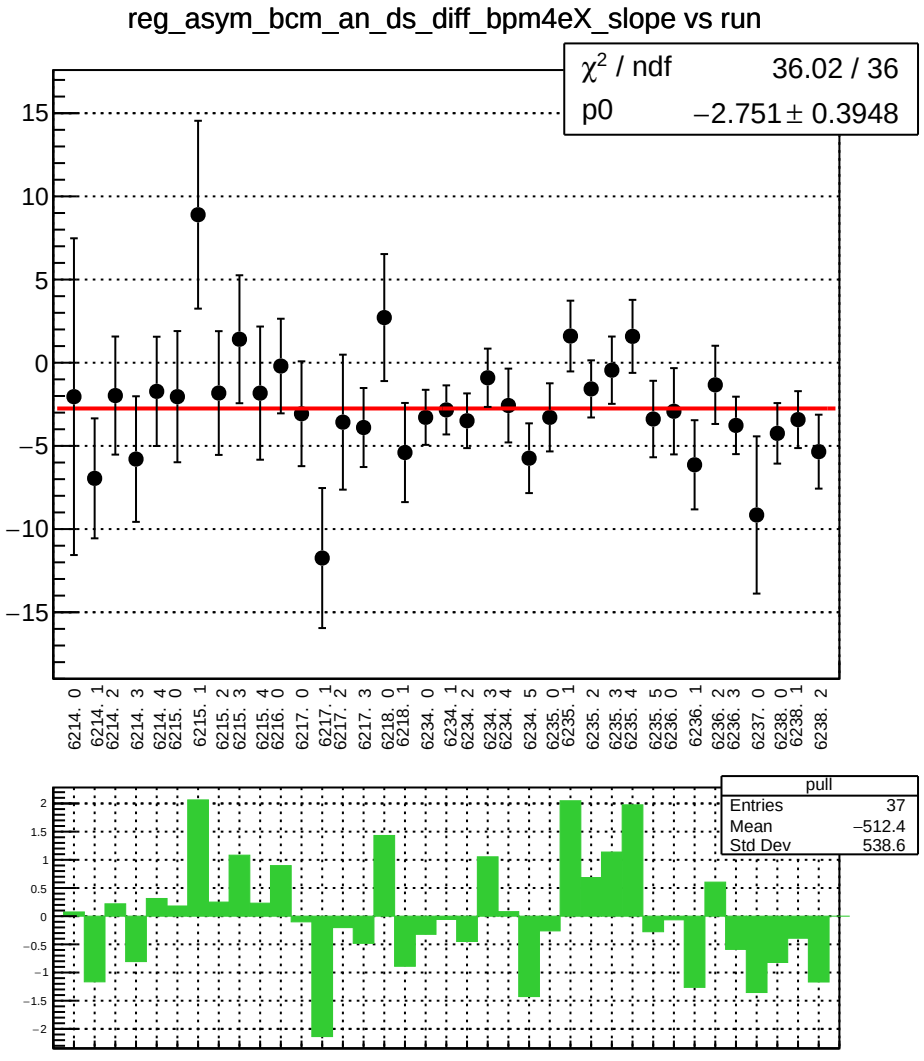

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 35.39 / 36
p0 −2.982 ± 0.3955
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 333.2
Std Dev 306.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.004466
Std Dev 0.9779
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

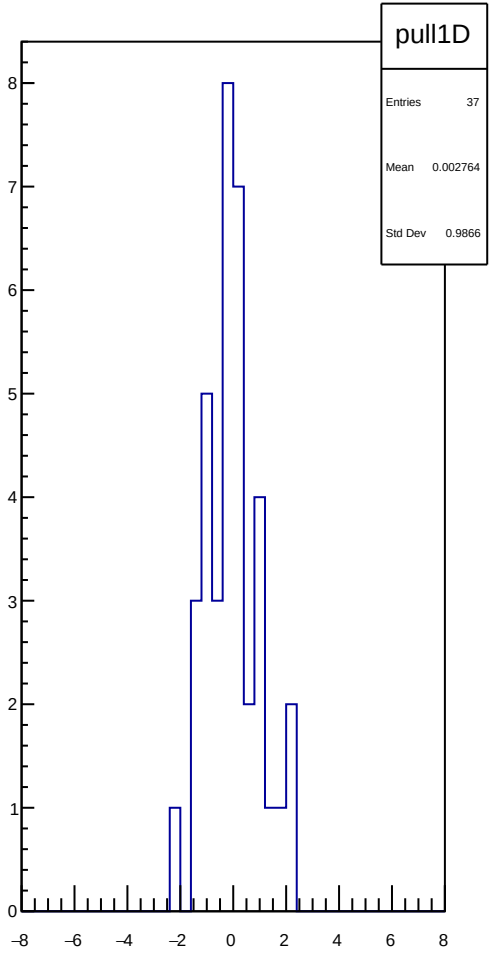

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 43.79 / 36
p0 −2.061 ± 0.2554
5
0
−5
−10
−15
−20
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −1.024
Std Dev 8.391
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.13
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

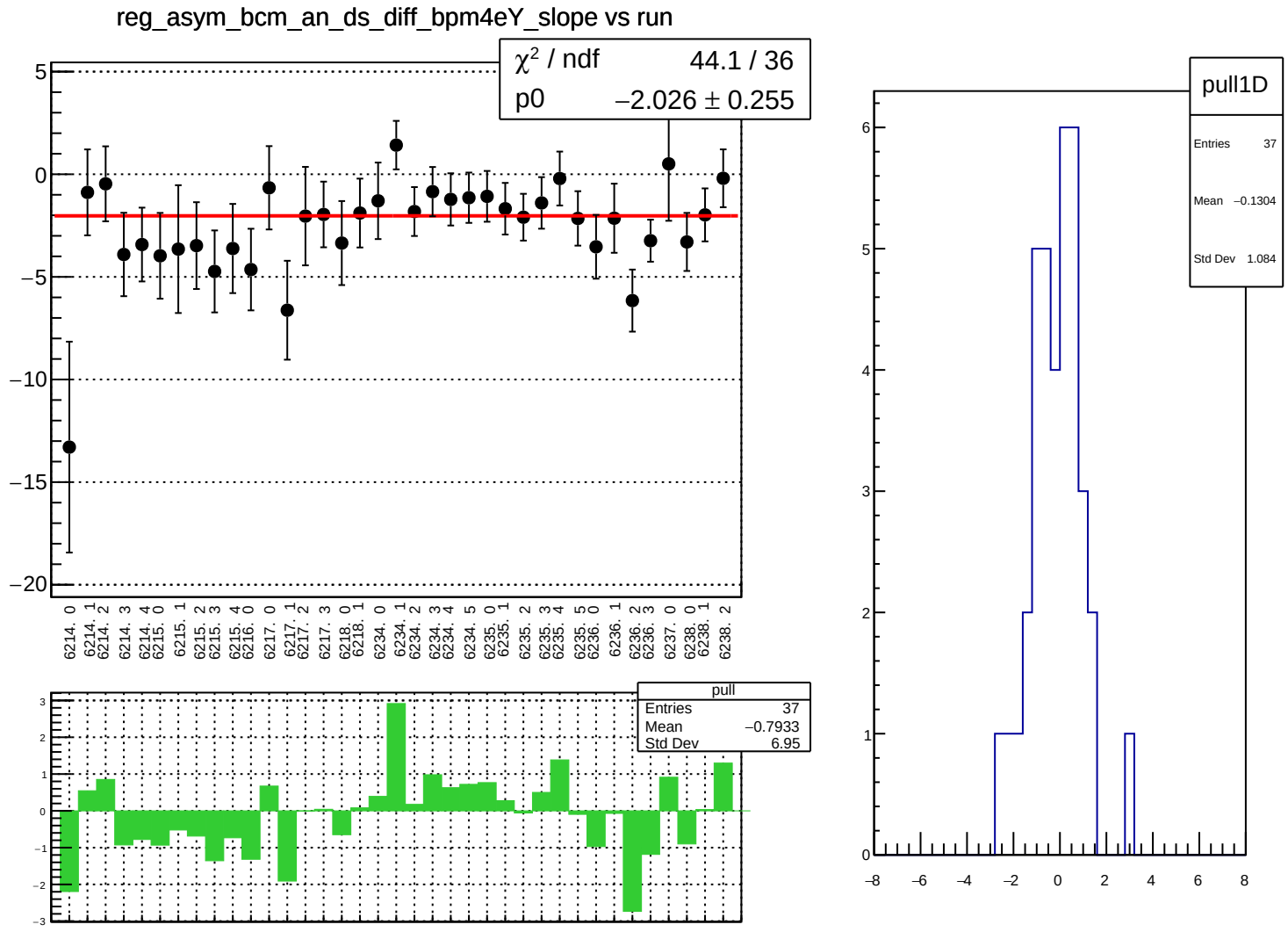

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 56.36 / 36
p0 0.2772 ± 0.01866
1.5
1
0.5
0
−0.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −33.13
Std Dev 52.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.1144
Std Dev 1.229
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

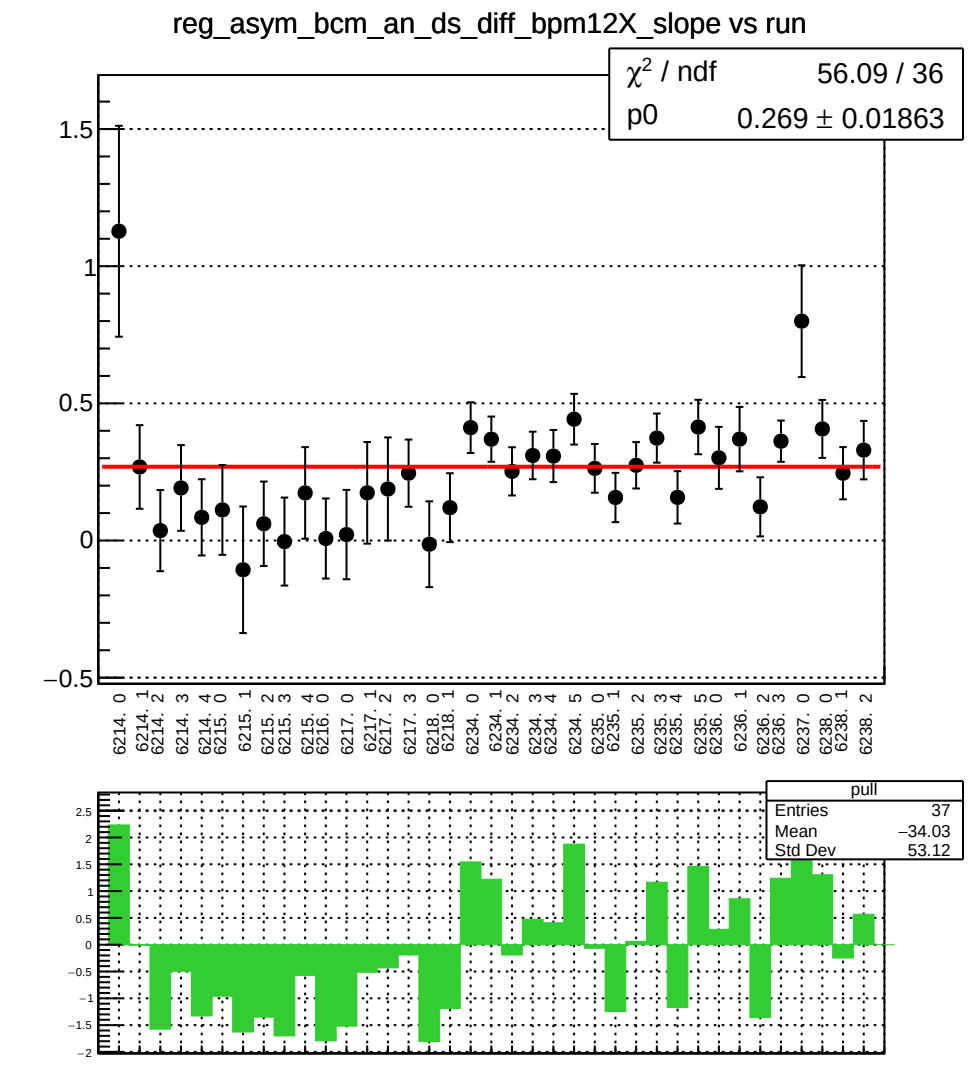

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 36.22 / 36
p0 2.747 ± 0.3427
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −81.6
Std Dev 105.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01922
Std Dev 0.9892
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

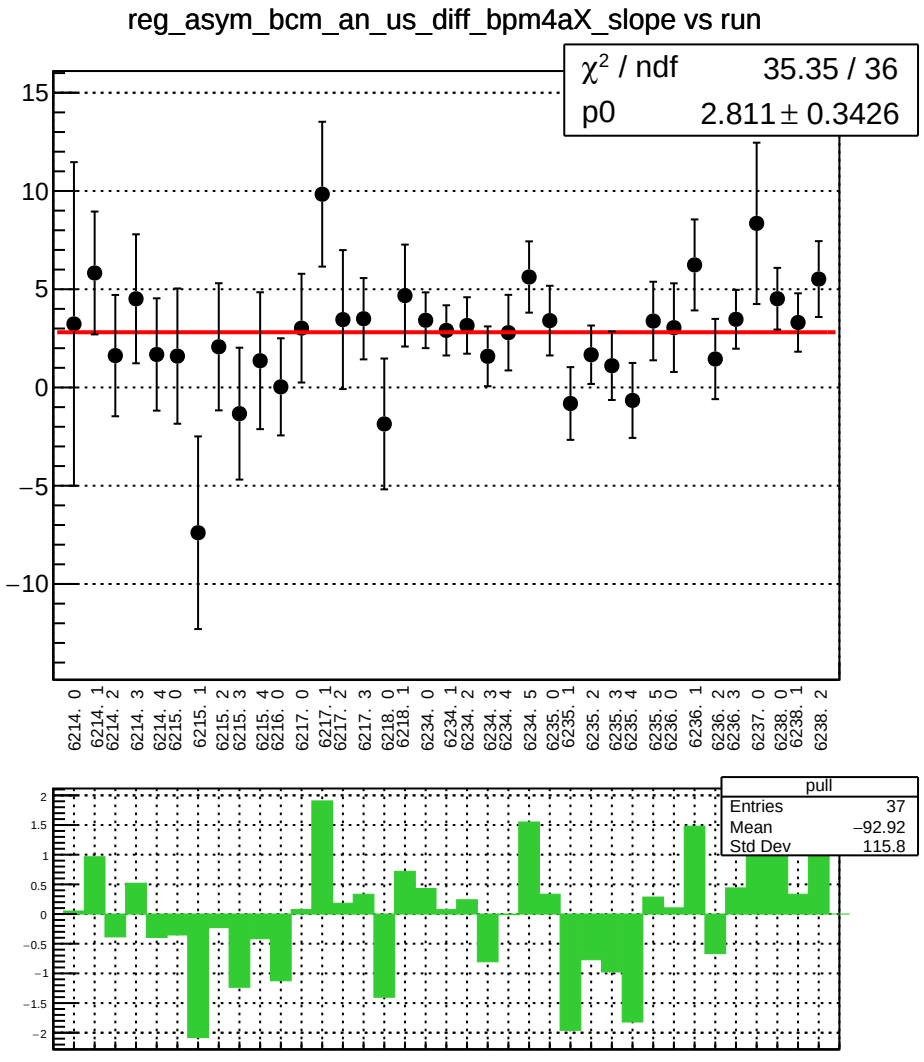

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 50.25 / 36
p0 1.446 ± 0.2338
15
10
5
0
−5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −6.355
Std Dev 17.91
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.1696
Std Dev 1.153
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

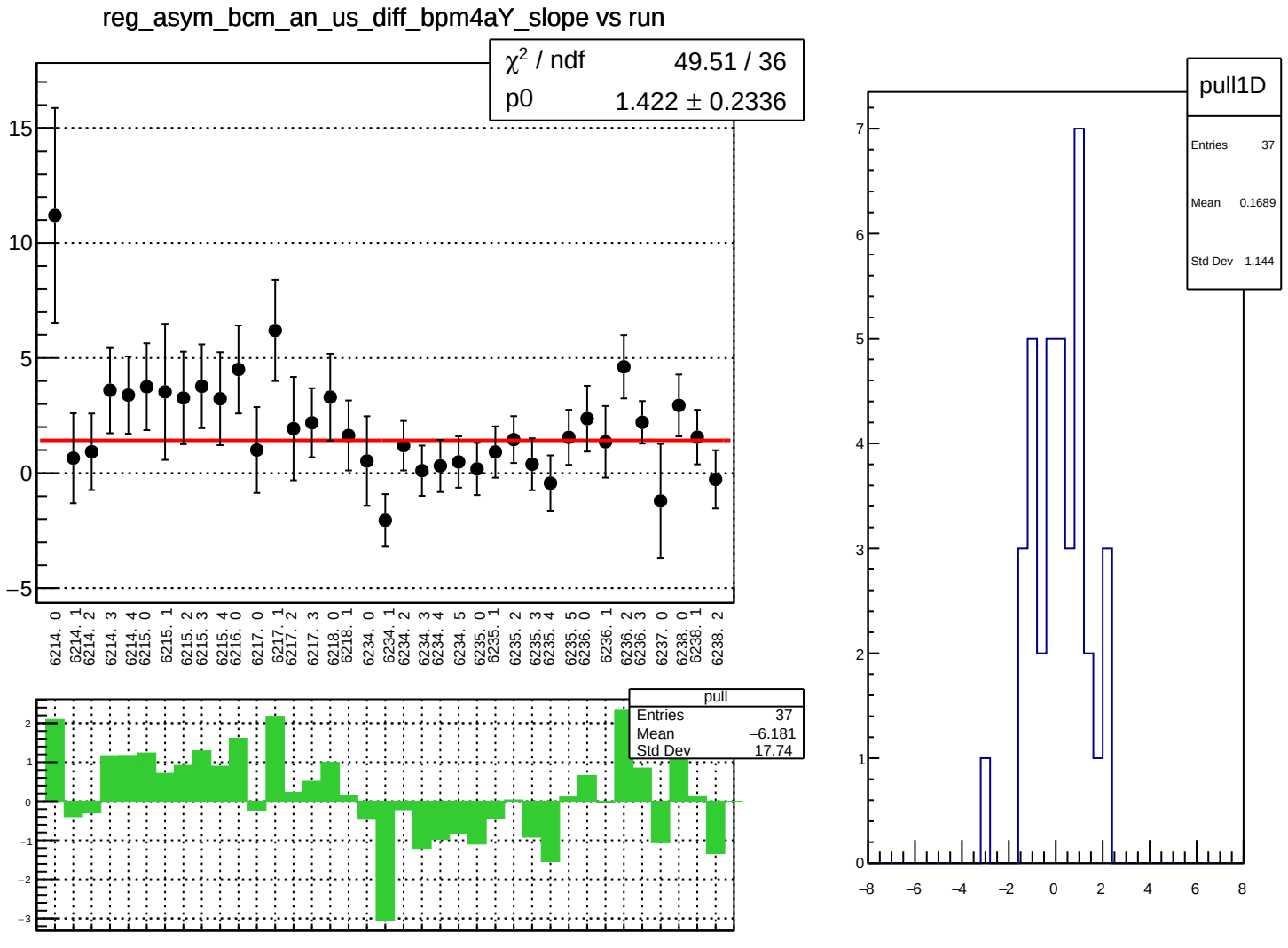

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 36.02 / 36
p0 −2.751 ± 0.3948
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −512.4
Std Dev 538.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

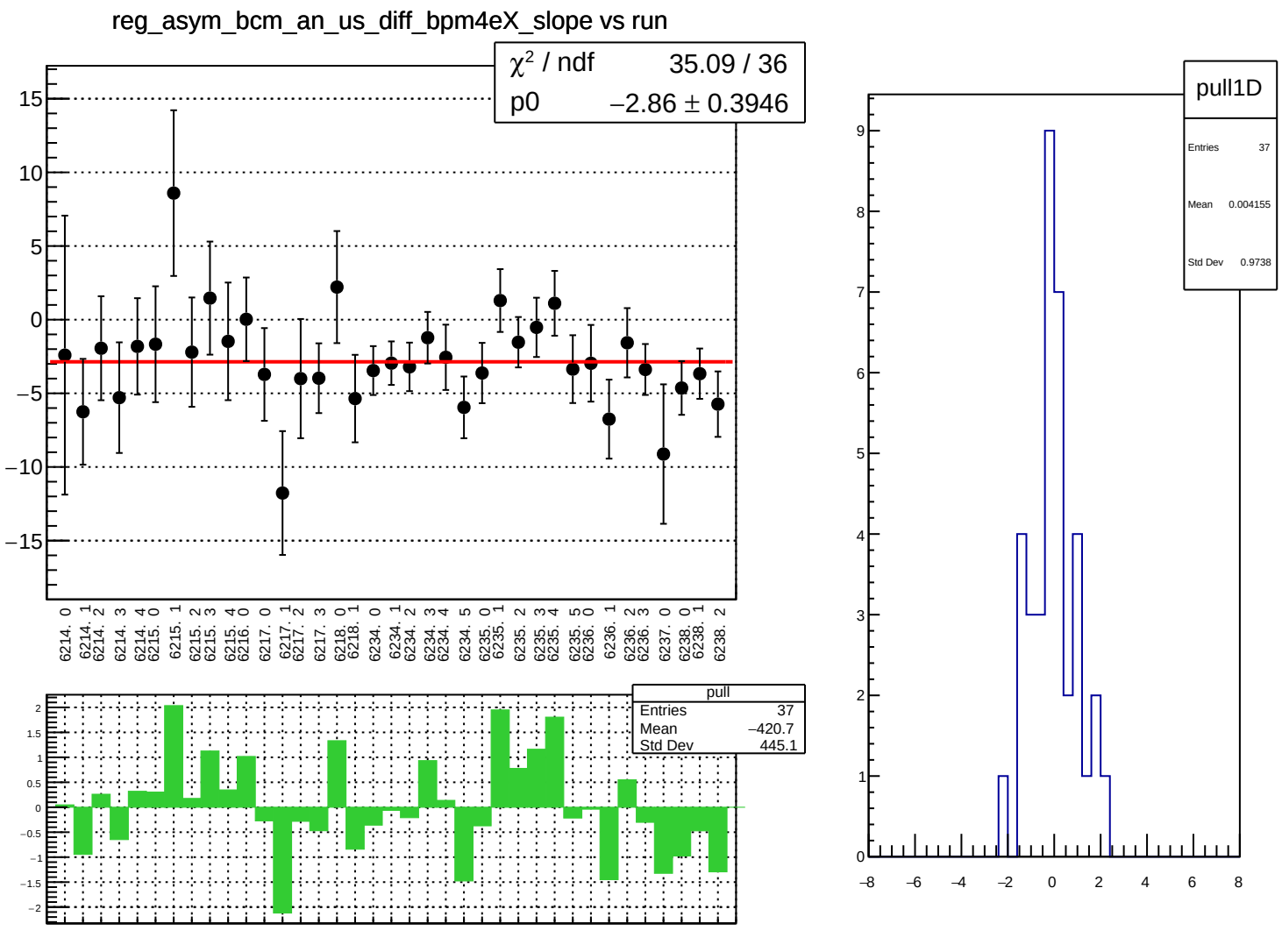

pull1D
Entries 37
Mean 0.002764
Std Dev 0.9866
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

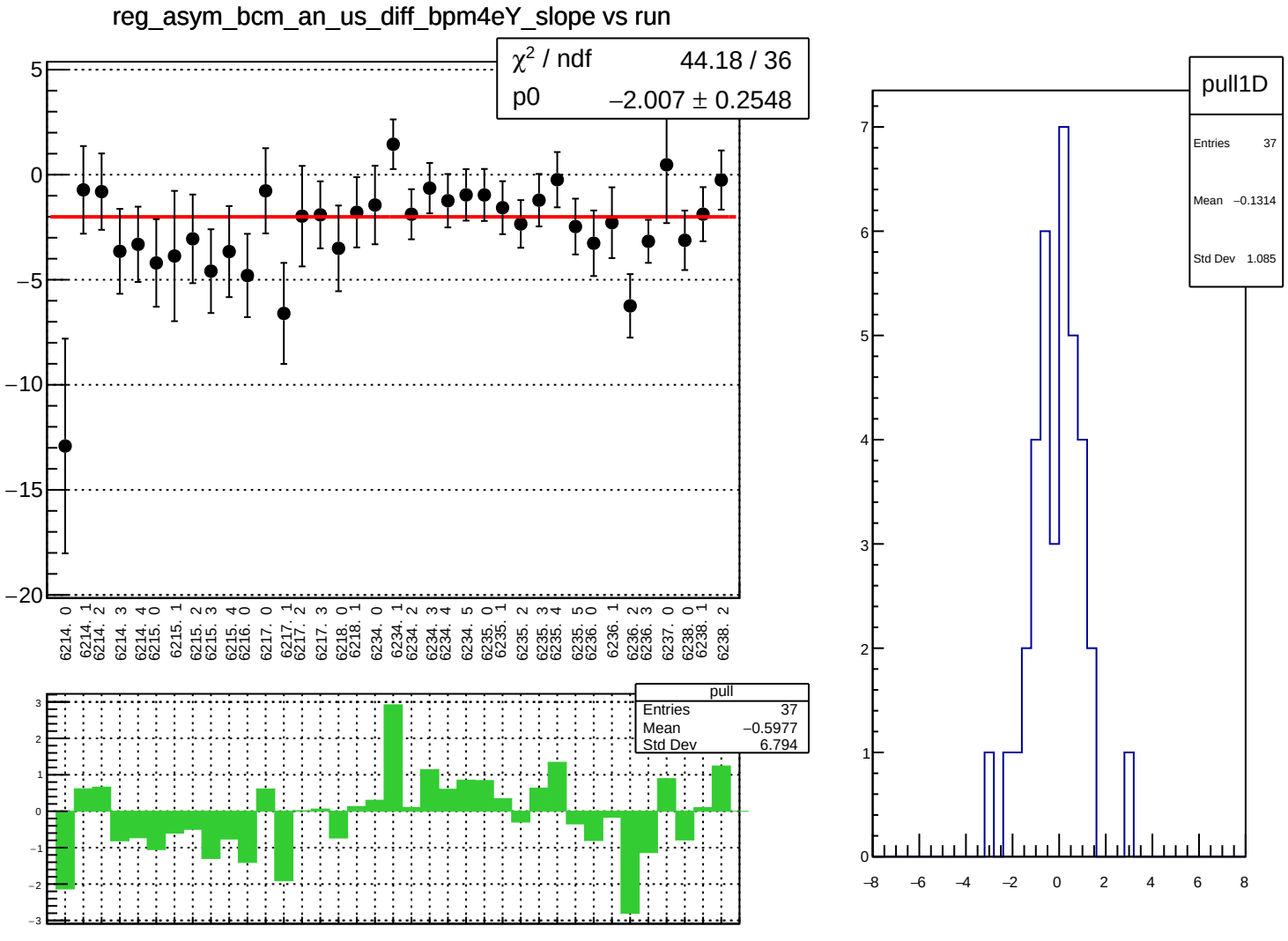

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 44.1 / 36
p0 −2.026 ± 0.255
pull
Entries 37
Mean −0.7933
Std Dev 6.95
pull1D
Entries 37
Mean −0.1304
Std Dev 1.084

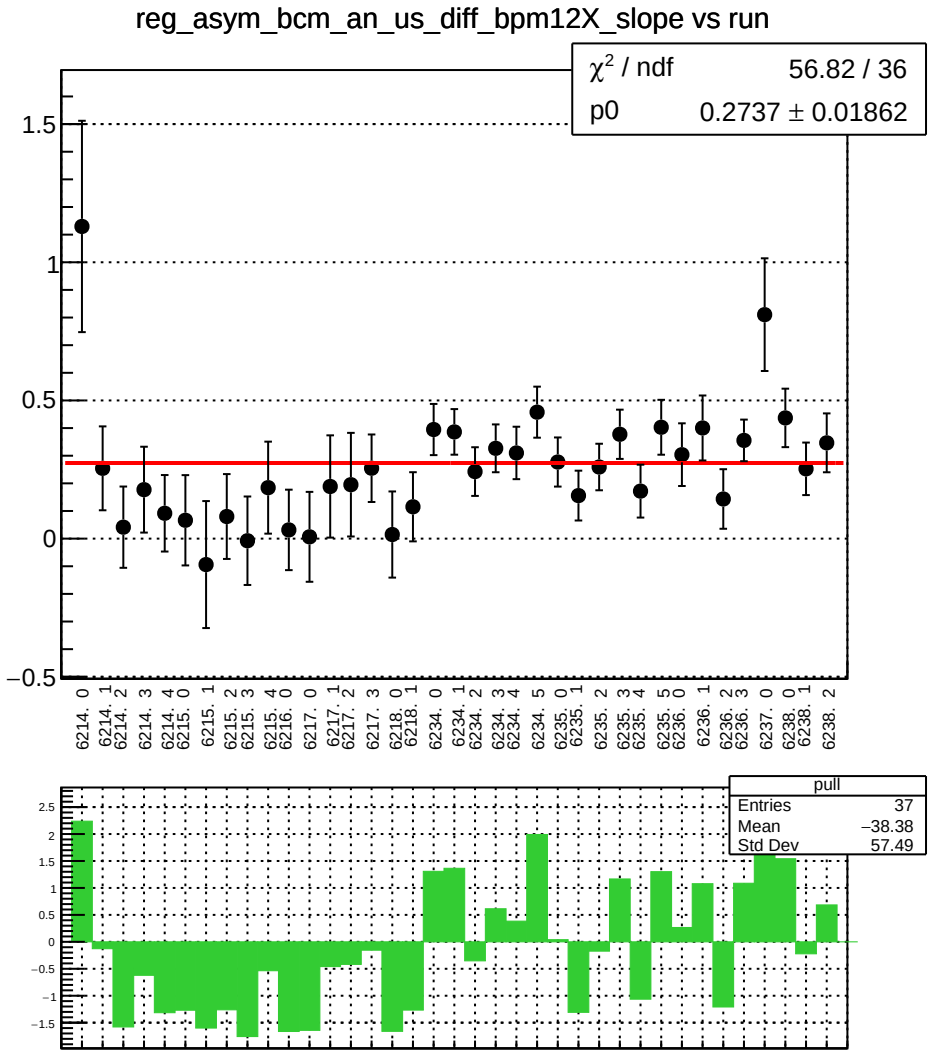

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 56.09 / 36
p0 0.269 ± 0.01863
1.5
1
0.5
0
−0.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −34.03
Std Dev 53.12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.1091
Std Dev 1.226
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

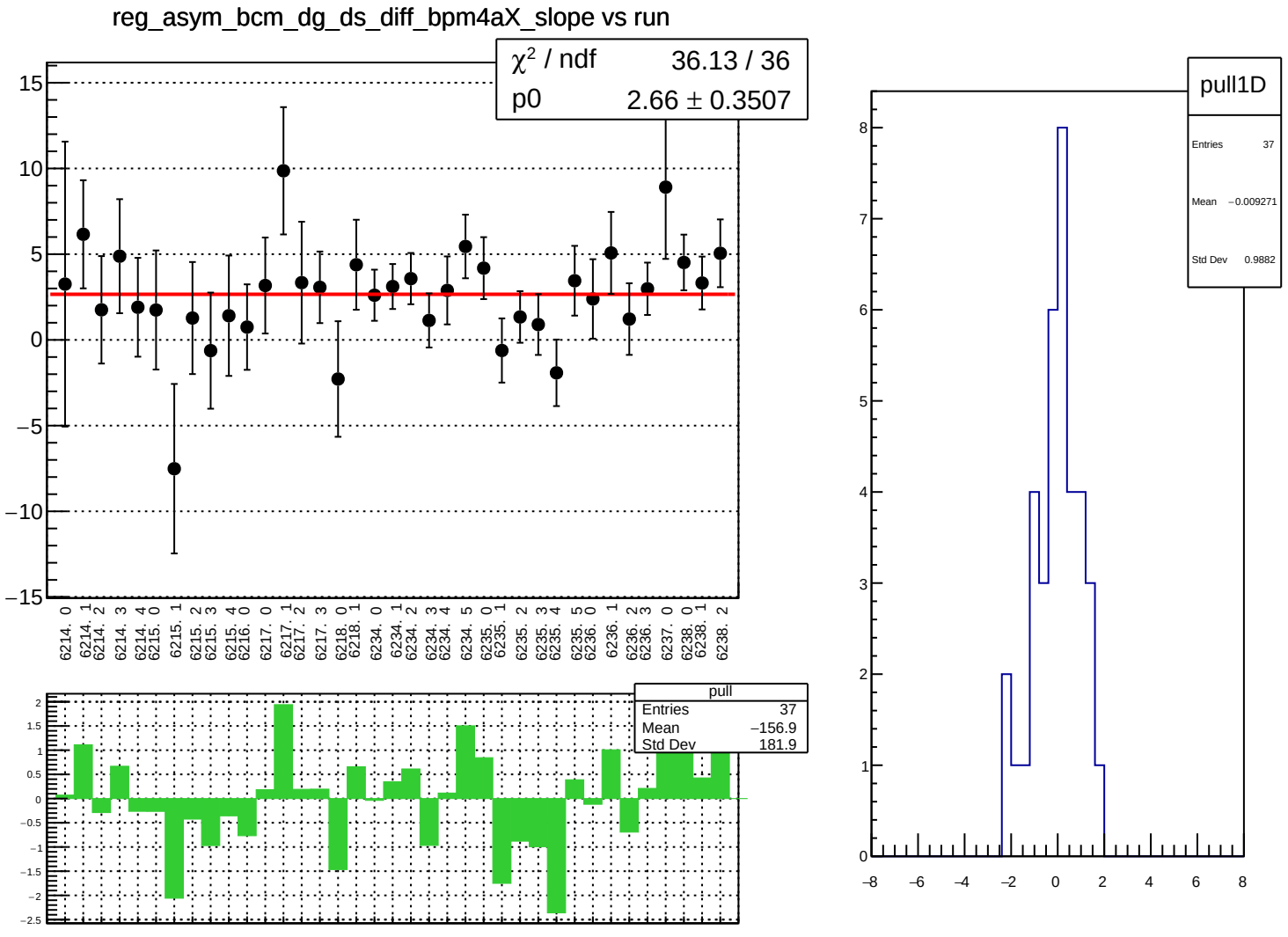

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 35.35 / 36
p0 2.811 ± 0.3426
15
10
5
0
−5
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −92.92
Std Dev 115.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02058
Std Dev 0.9772
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

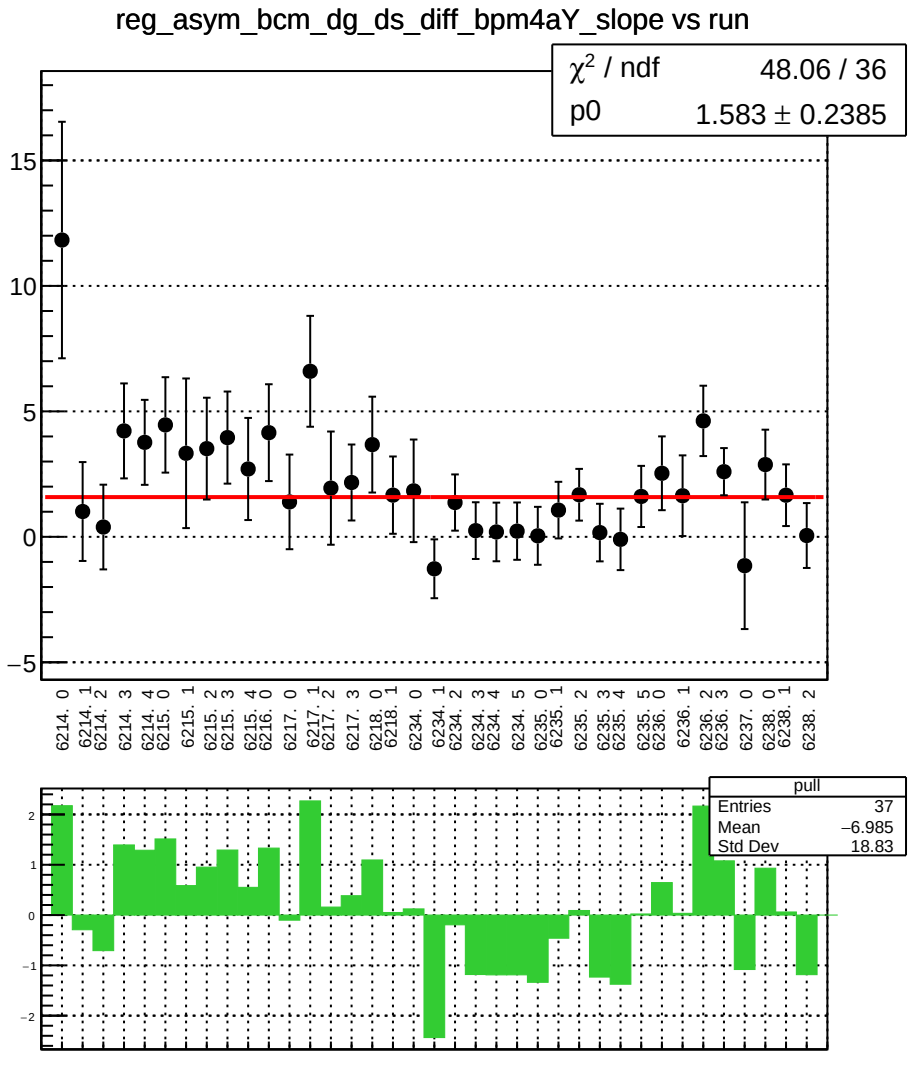

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 49.51 / 36
p0 1.422 ± 0.2336
15
10
5
0
−5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −6.181
Std Dev 17.74
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.1689
Std Dev 1.144
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

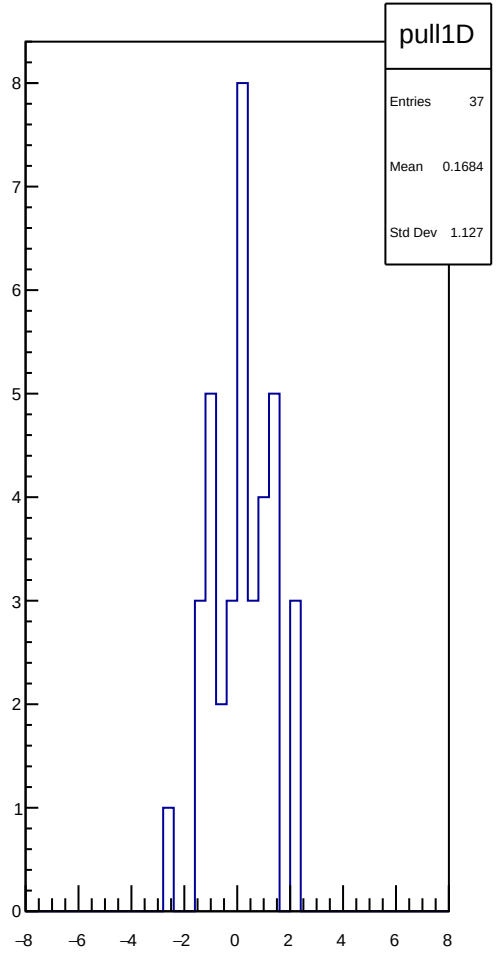

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 35.09 / 36
p0 −2.86 ± 0.3946
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −420.7
Std Dev 445.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.004155
Std Dev 0.9738
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

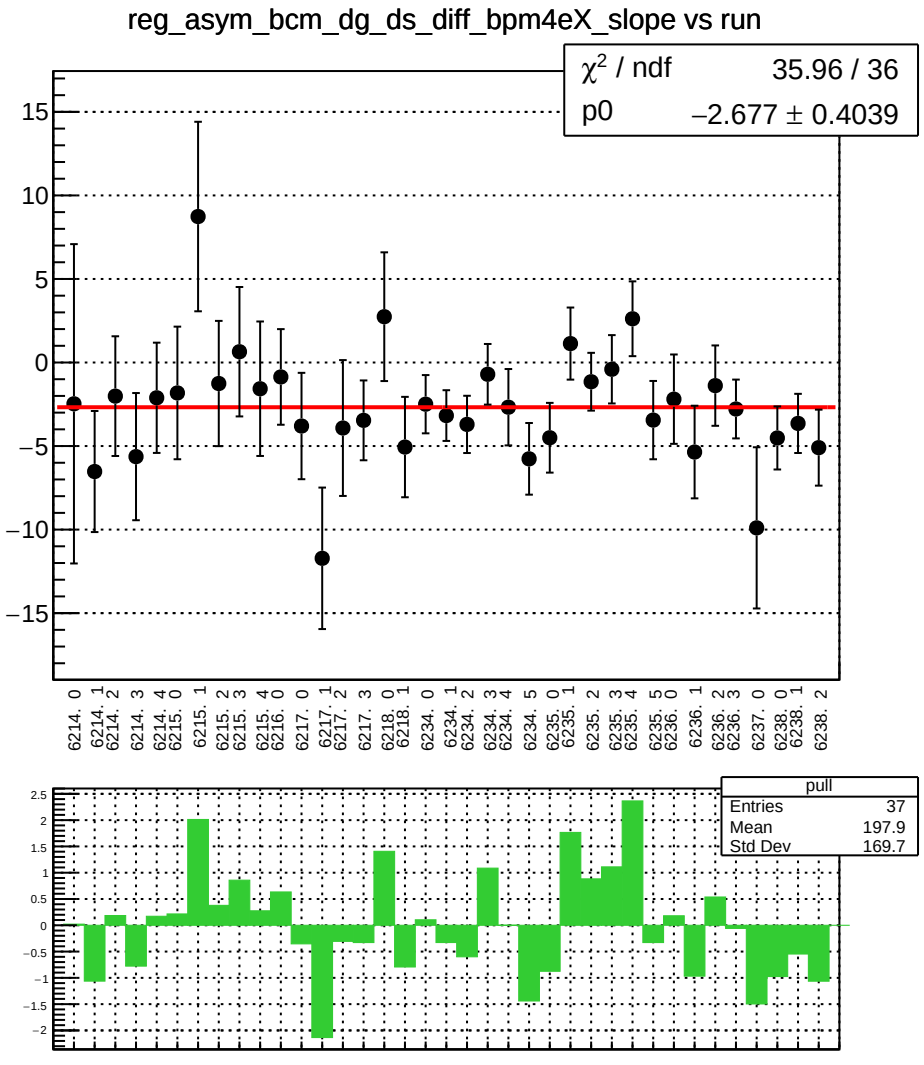

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 44.18 / 36
p0 −2.007 ± 0.2548
pull
Entries 37
Mean −0.5977
Std Dev 6.794
pull1D
Entries 37
Mean −0.1314
Std Dev 1.085

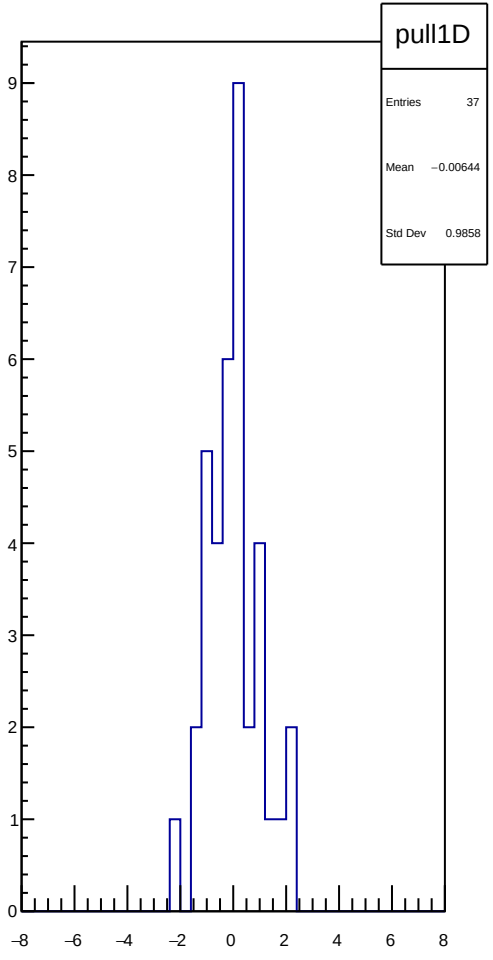

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 56.82 / 36
p0 0.2737 ± 0.01862
1.5
1
0.5
0
−0.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −38.38
Std Dev 57.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.1071
Std Dev 1.235
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

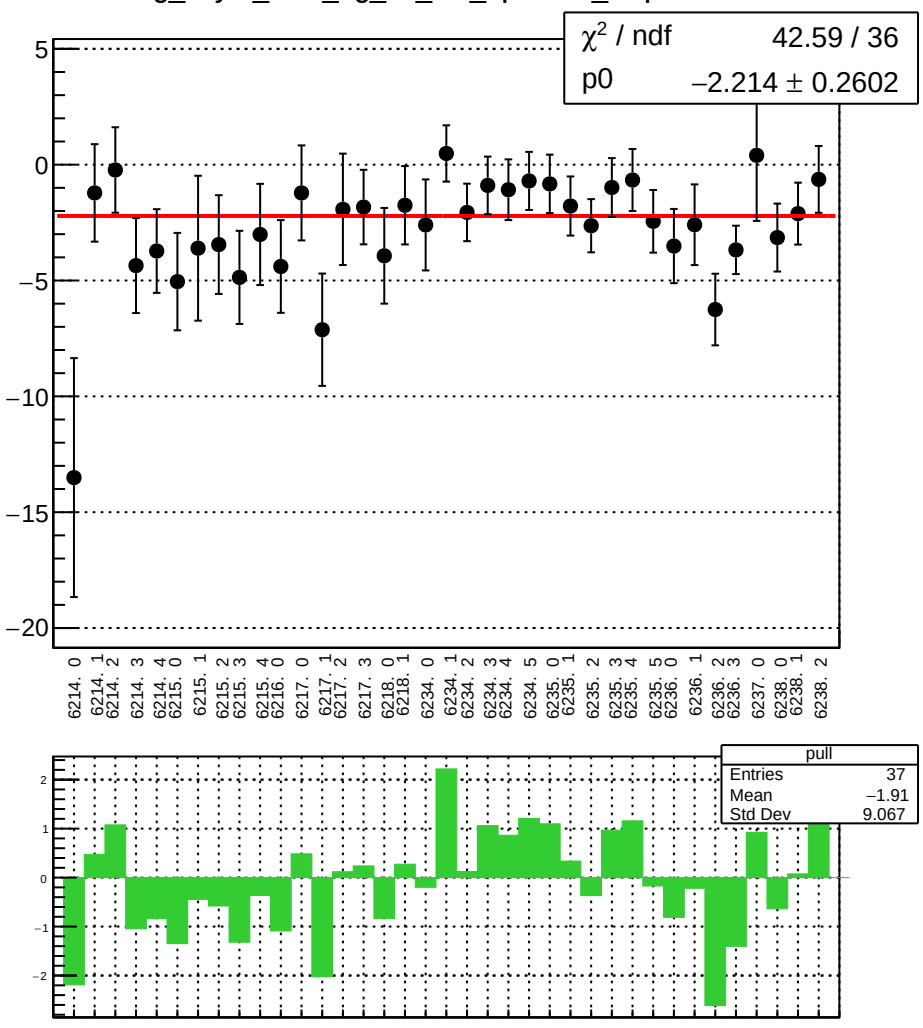

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 36.13 / 36
p0 2.66 ± 0.3507
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −156.9
Std Dev 181.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.009271
Std Dev 0.9882
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

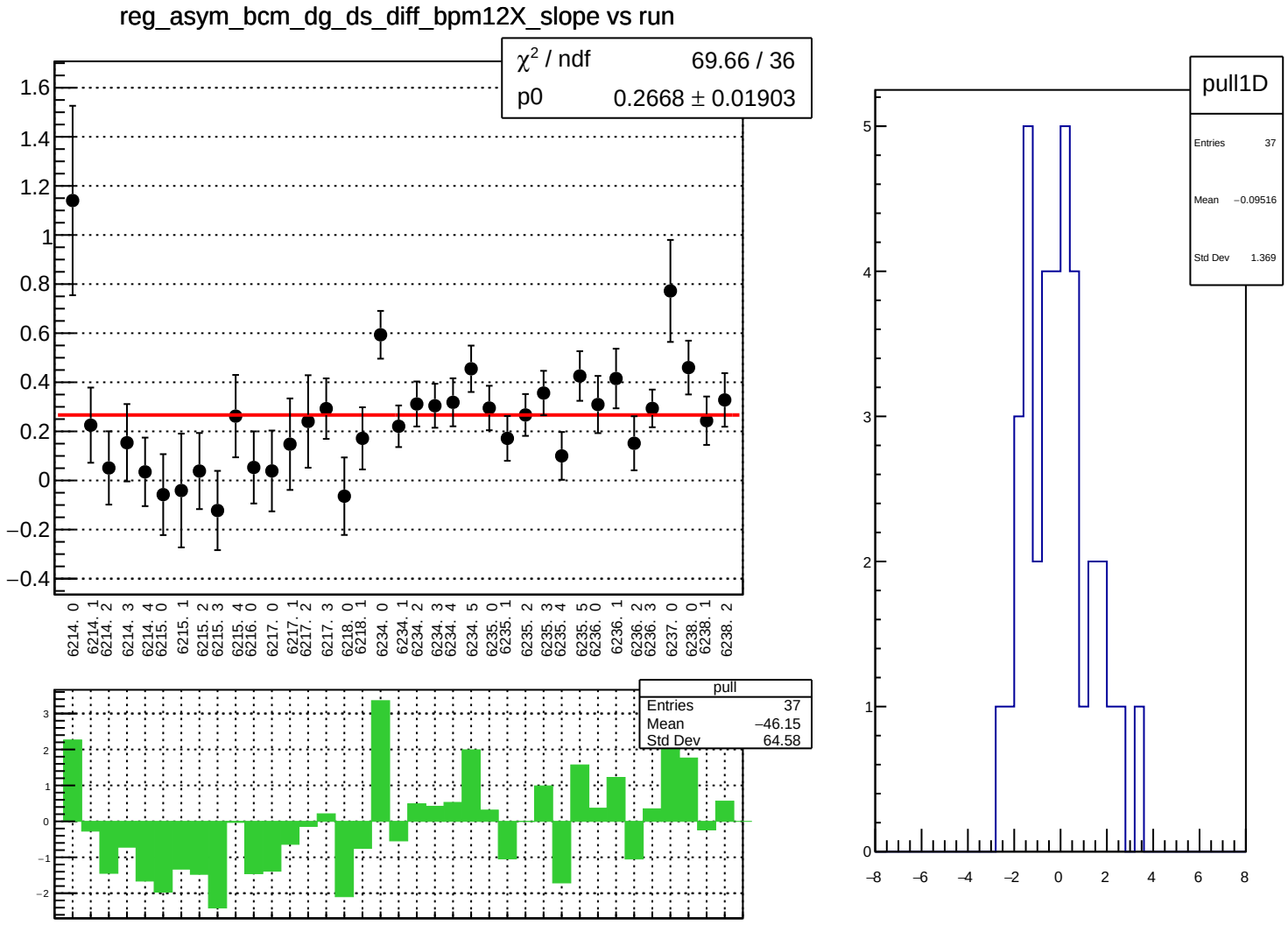

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 48.06 / 36
p0 1.583 ± 0.2385
15
10
5
0
−5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −6.985
Std Dev 18.83
2
1
0
−1
−2

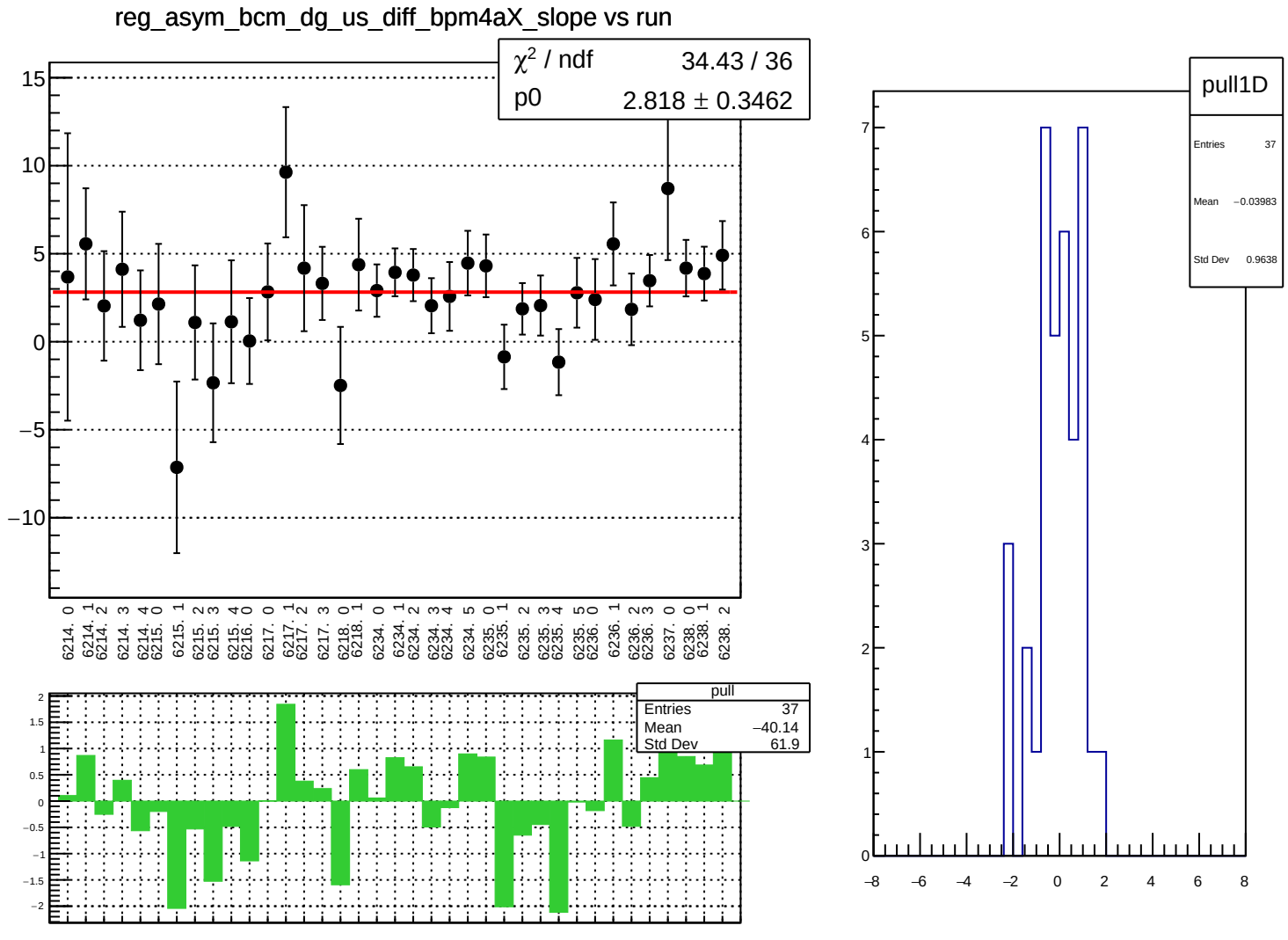

pull1D
Entries 37
Mean 0.1684
Std Dev 1.127
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

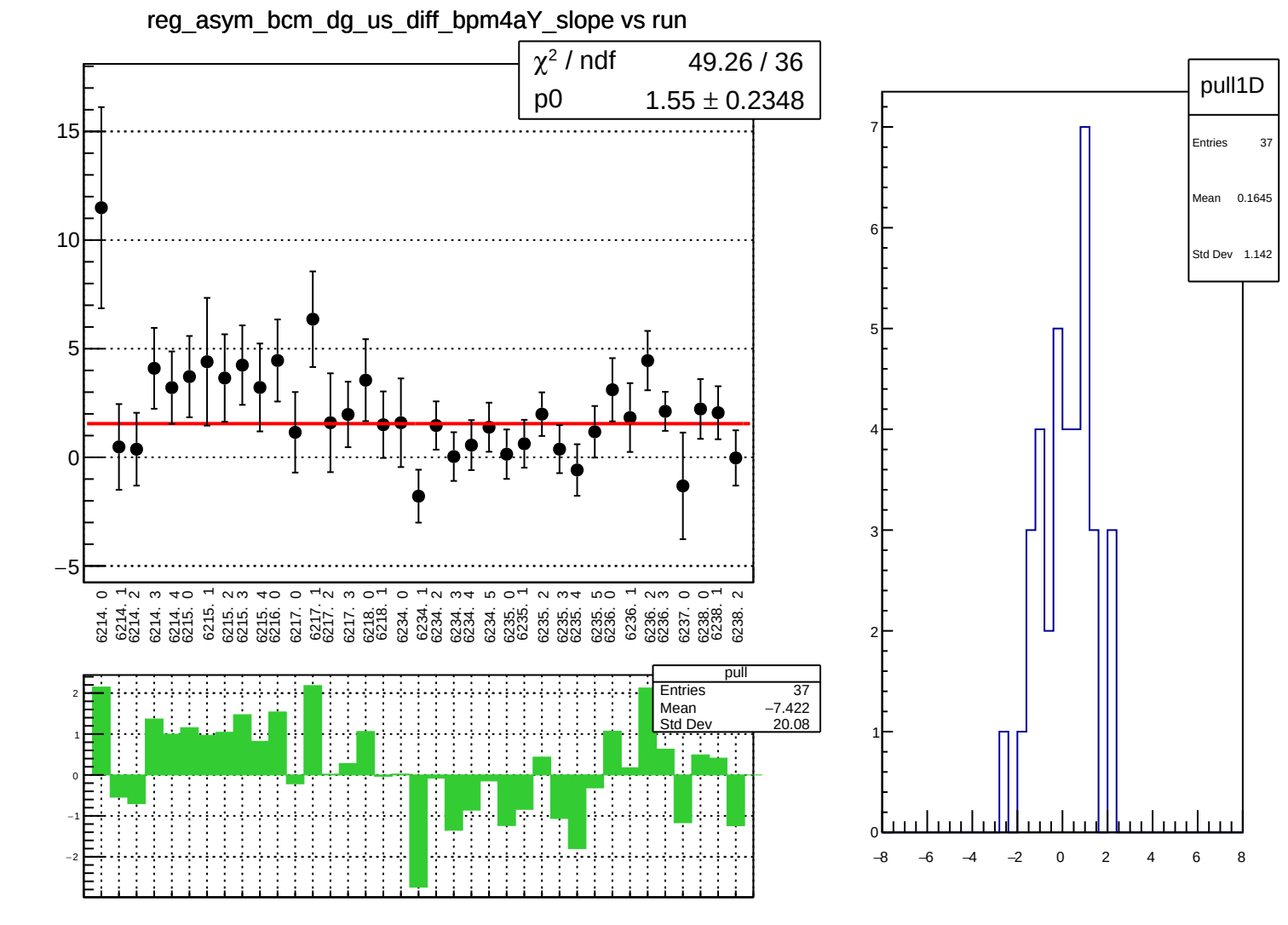

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 35.96 / 36
p0 −2.677 ± 0.4039
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean 197.9
Std Dev 169.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

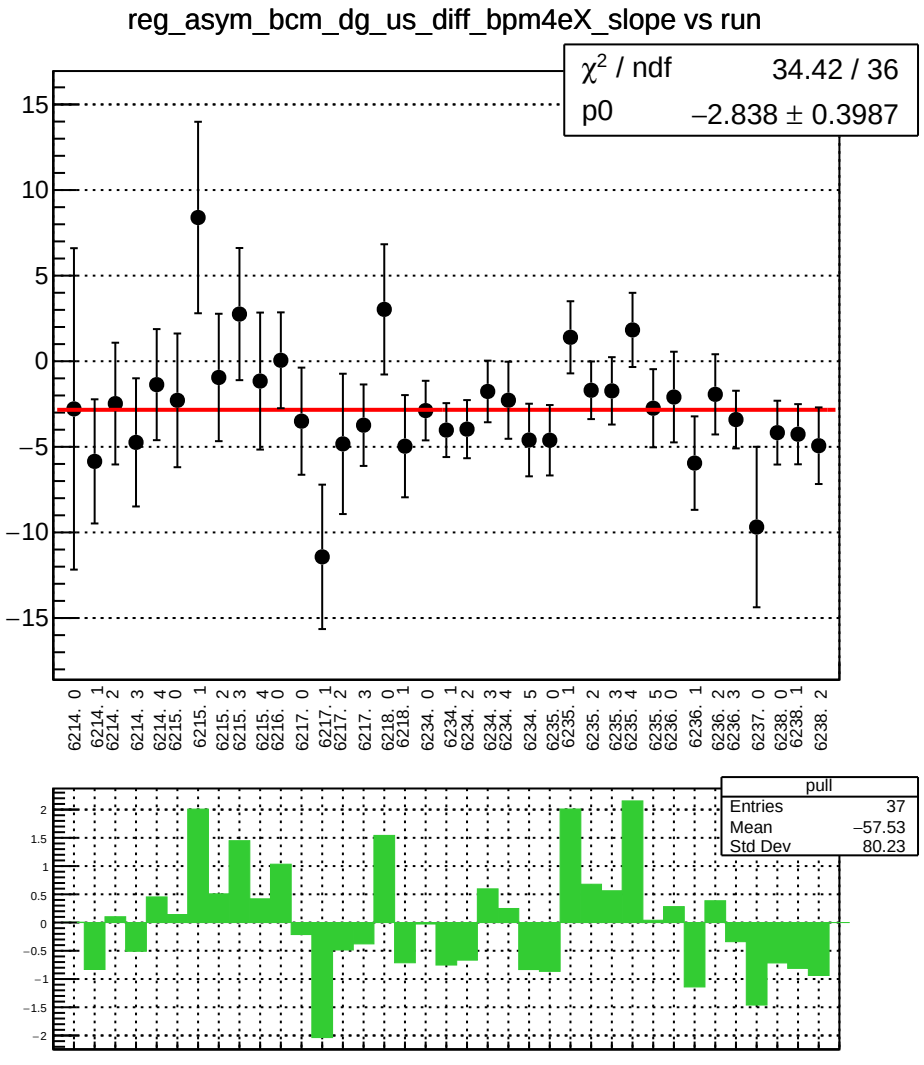

pull1D
Entries 37
Mean −0.00644
Std Dev 0.9858
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

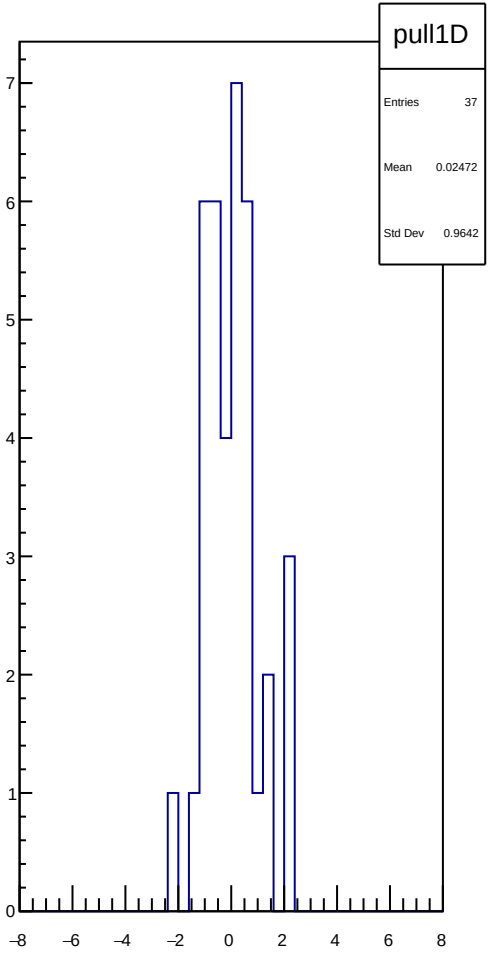

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 42.59 / 36
p0 −2.214 ± 0.2602
pull
Entries 37
Mean −1.91
Std Dev 9.067
pull1D
Entries 37
Mean −0.127
Std Dev 1.065

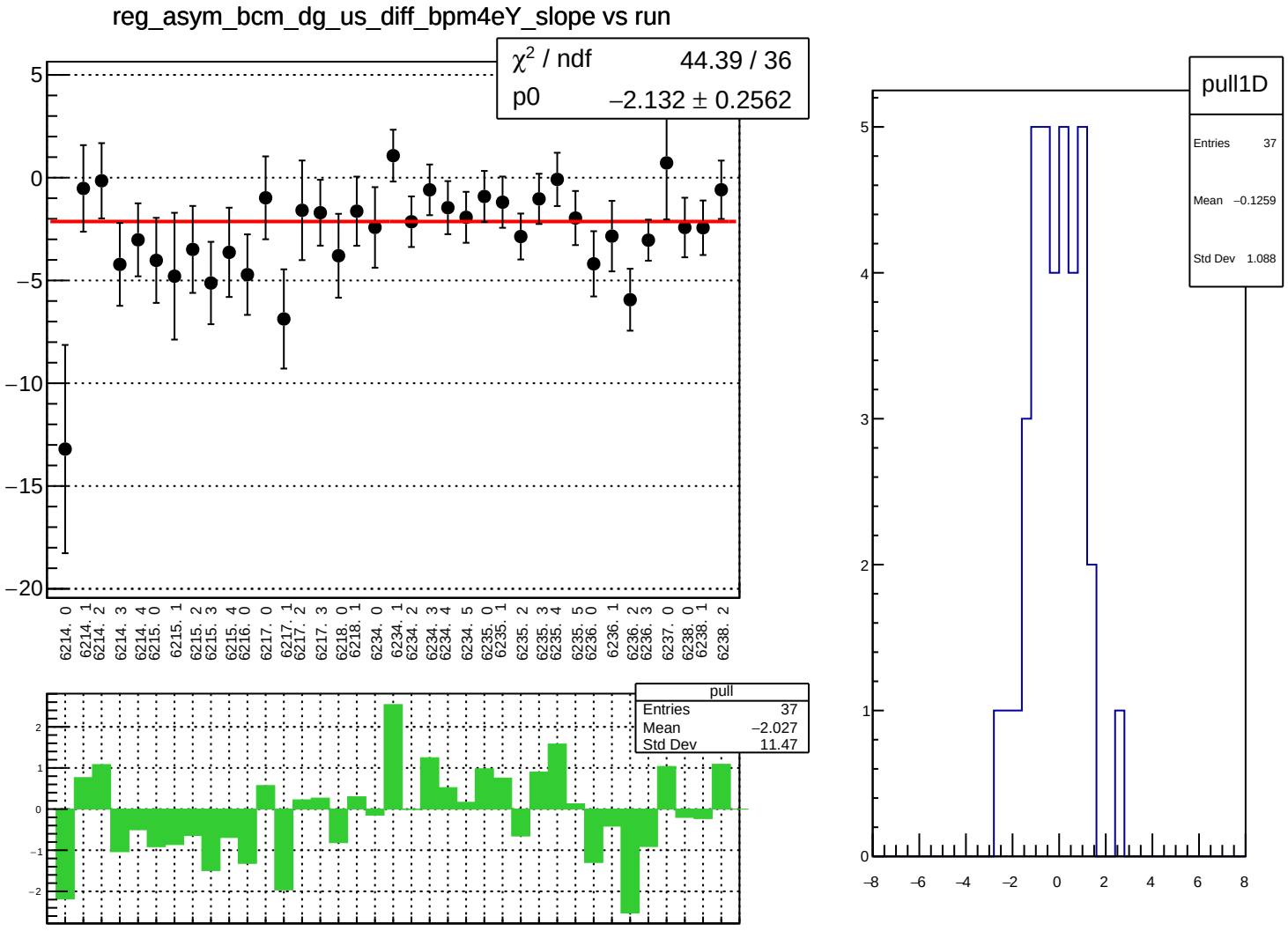

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 69.66 / 36
p0 0.2668 ± 0.01903
pull
Entries 37
Mean −46.15
Std Dev 64.58
pull1D
Entries 37
Mean −0.09516
Std Dev 1.369

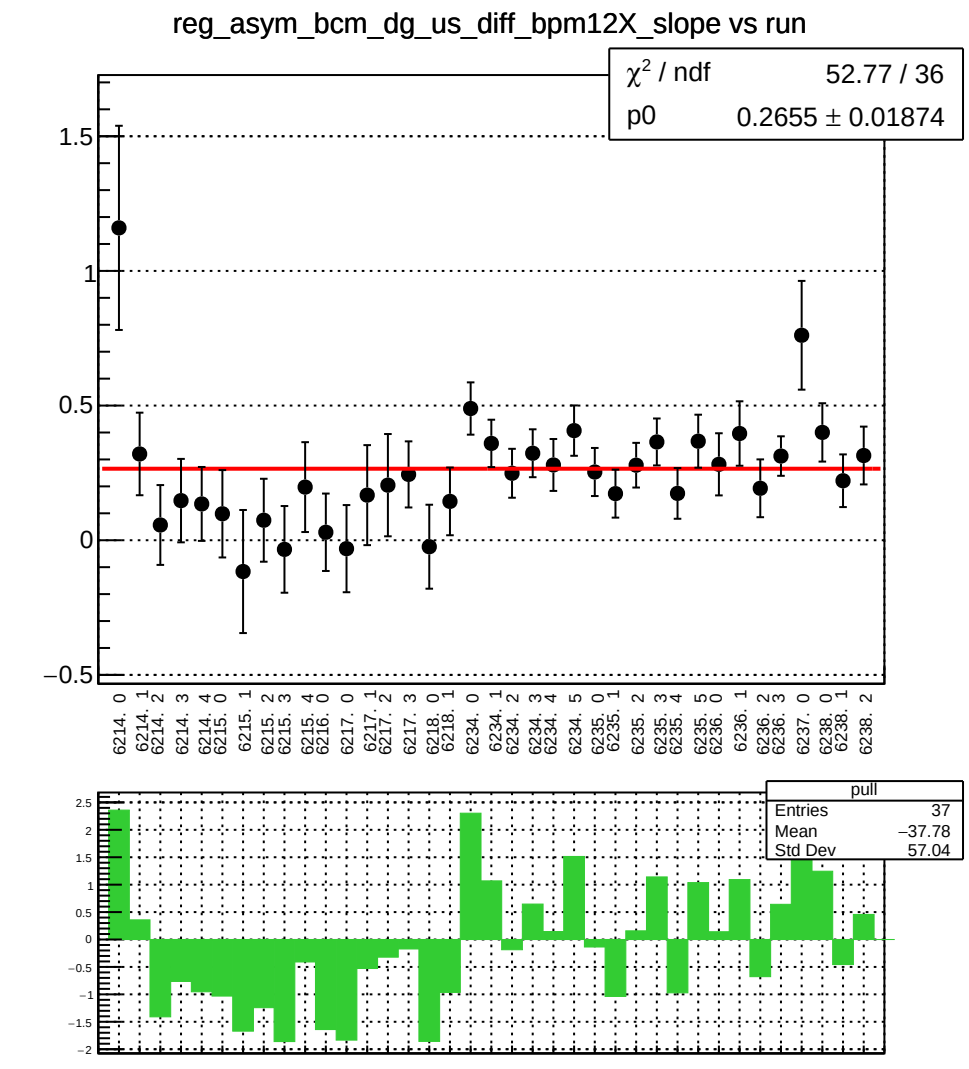

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 34.43 / 36
p0 2.818 ± 0.3462
15
10
5
0
−5
−10
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −40.14
Std Dev 61.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.03983
Std Dev 0.9638
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

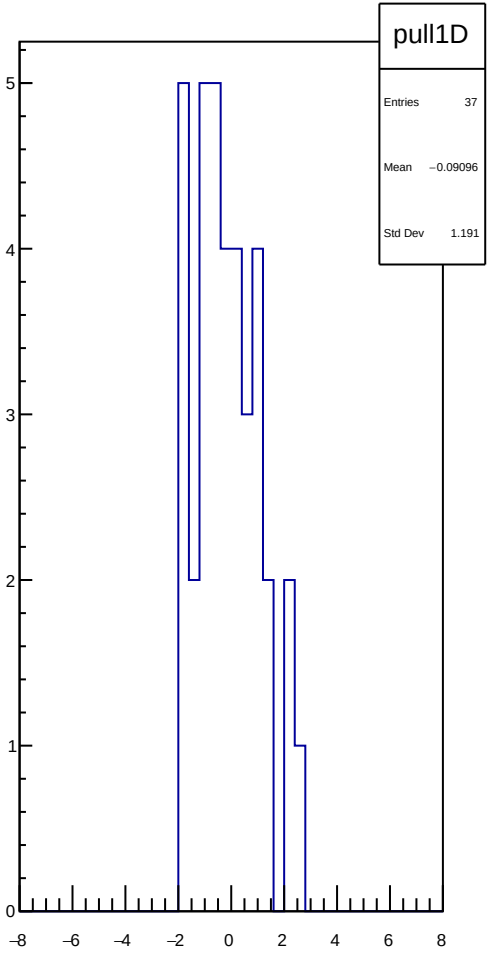

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 49.26 / 36
p0 1.55 ± 0.2348
15
10
5
0
−5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −7.422
Std Dev 20.08
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1645
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 34.42 / 36
p0 −2.838 ± 0.3987
15
10
5
0
−5
−10
−15
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −57.53
Std Dev 80.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.02472
Std Dev 0.9642
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 44.39 / 36
p0 −2.132 ± 0.2562
pull
Entries 37
Mean −2.027
Std Dev 11.47
pull1D
Entries 37
Mean −0.1259
Std Dev 1.088


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 52.77 / 36
p0 0.2655 ± 0.01874
1.5
1
0.5
0
−0.5
6214. 0
6214. 1
6214. 2
6214. 3
6214. 4
6215. 0
6215. 1
6215. 2
6215. 3
6215. 4
6216. 0
6217. 0
6217. 1
6217. 2
6217. 3
6218. 0
6218. 1
6234. 0
6234. 1
6234. 2
6234. 3
6234. 4
6234. 5
6235. 0
6235. 1
6235. 2
6235. 3
6235. 4
6235. 5
6236. 0
6236. 1
6236. 2
6236. 3
6237. 0
6238. 0
6238. 1
6238. 2
pull
Entries 37
Mean −37.78
Std Dev 57.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.09096
Std Dev 1.191
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8