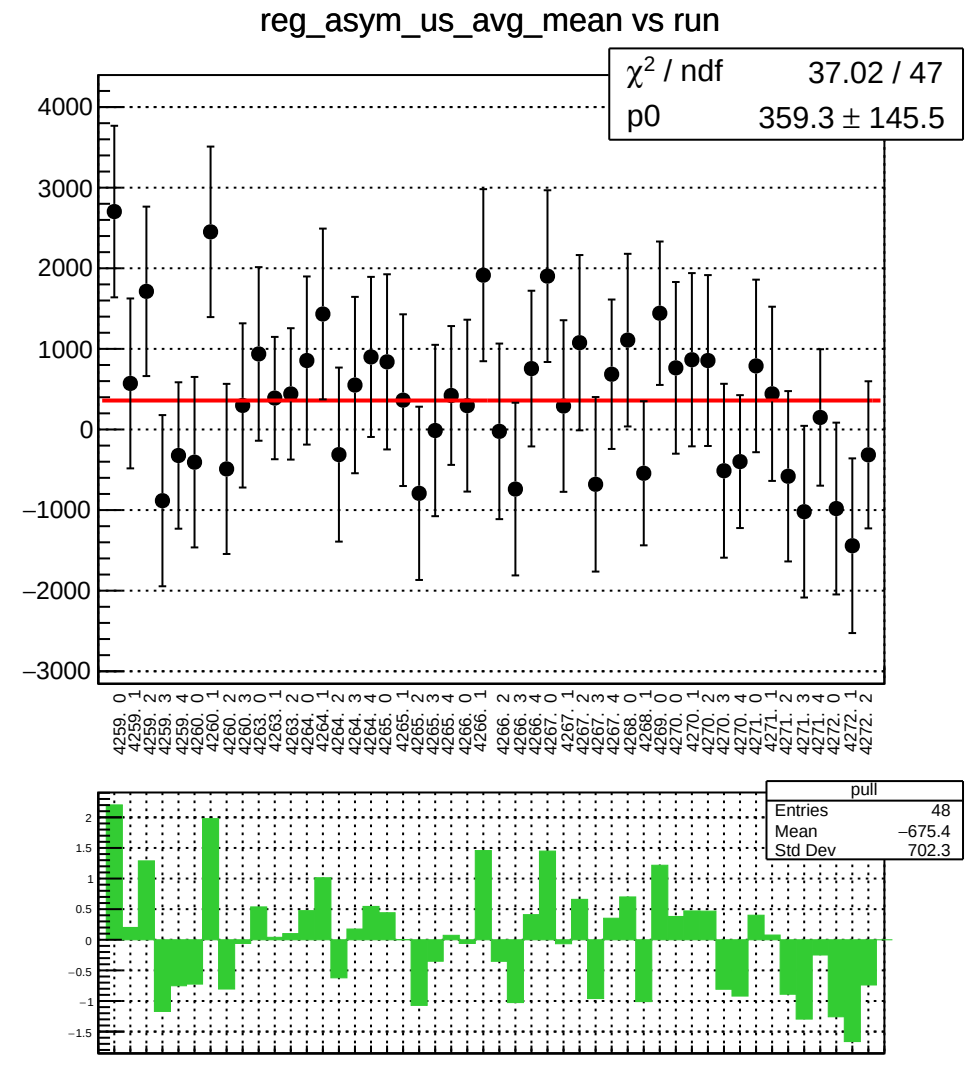
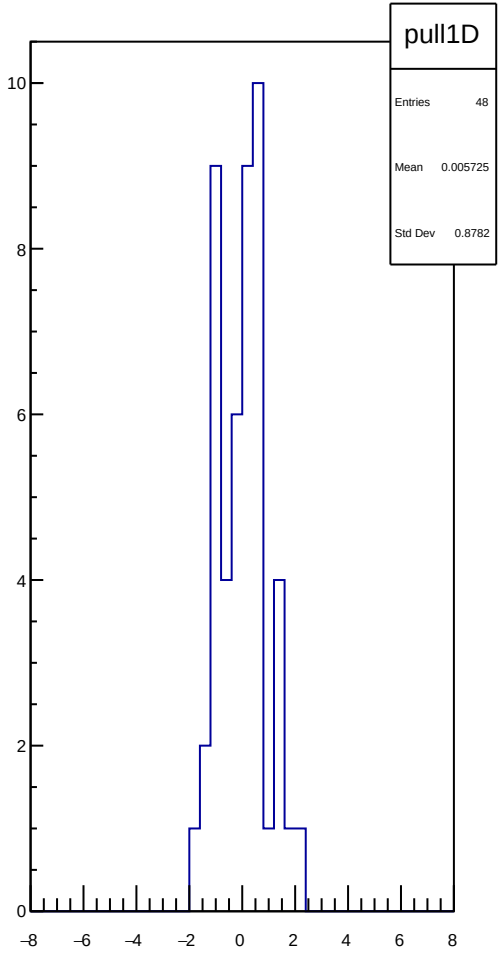
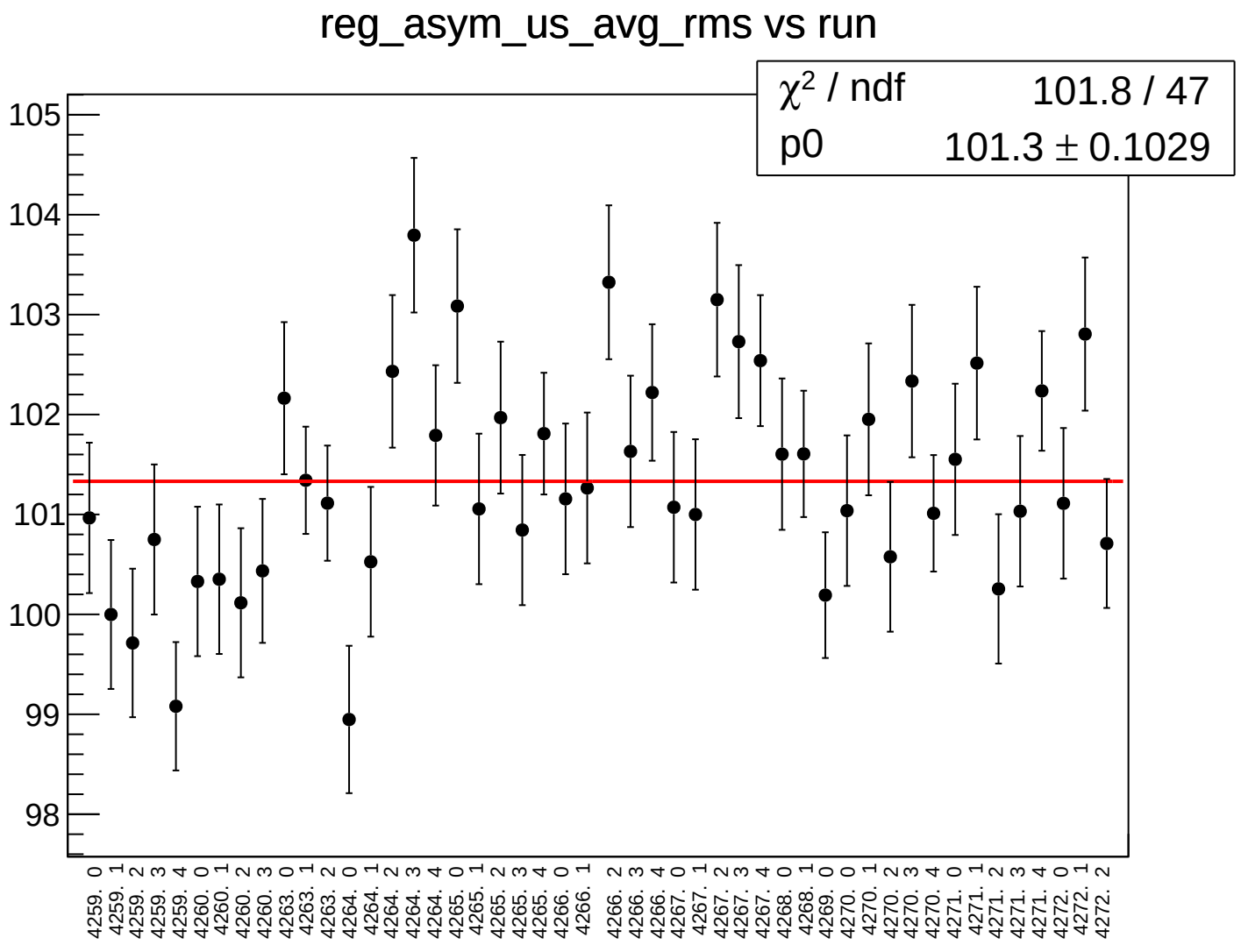
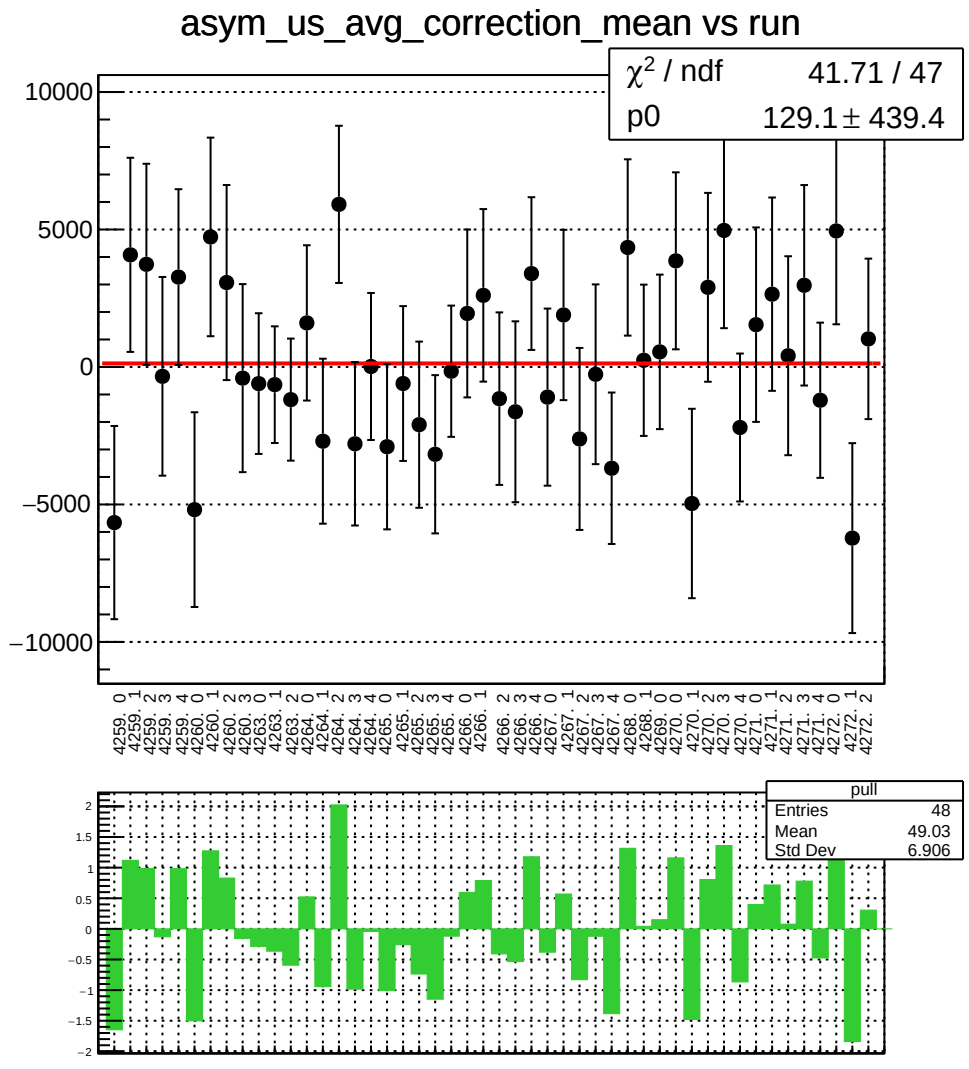
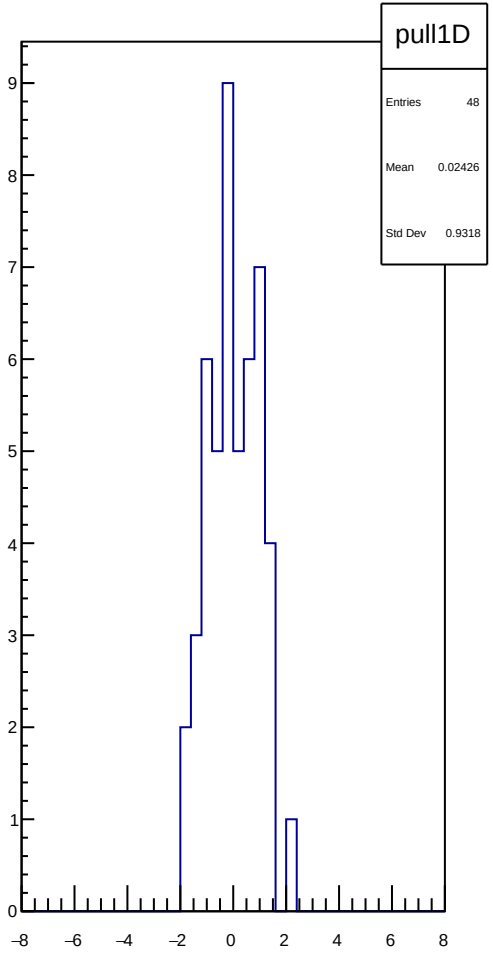
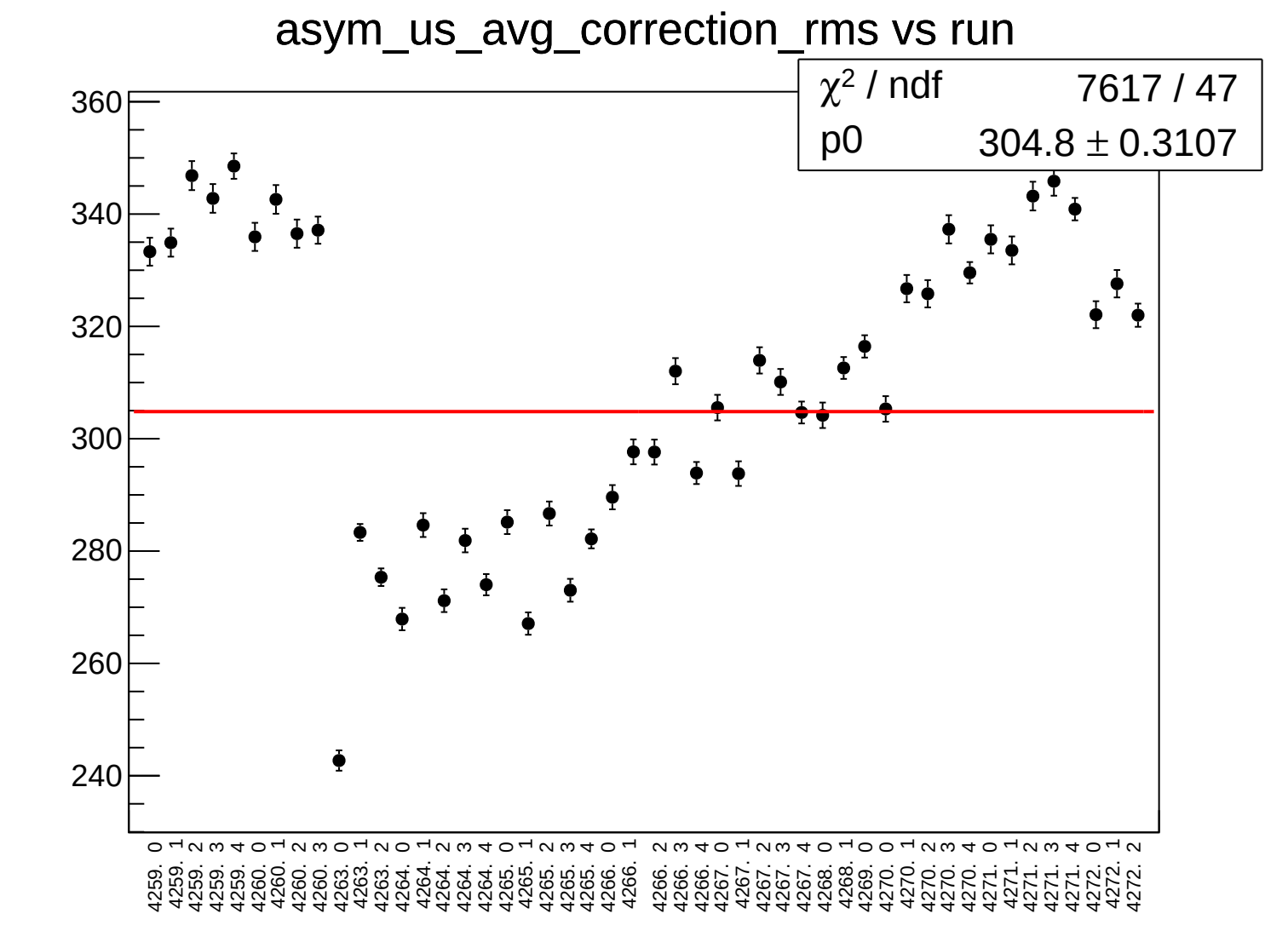

reg_asym_us_avg_mean vs run
χ² / ndf 37.02 / 47
p0 359.3 ± 145.5
pull
Entries 48
Mean −675.4
Std Dev 702.3

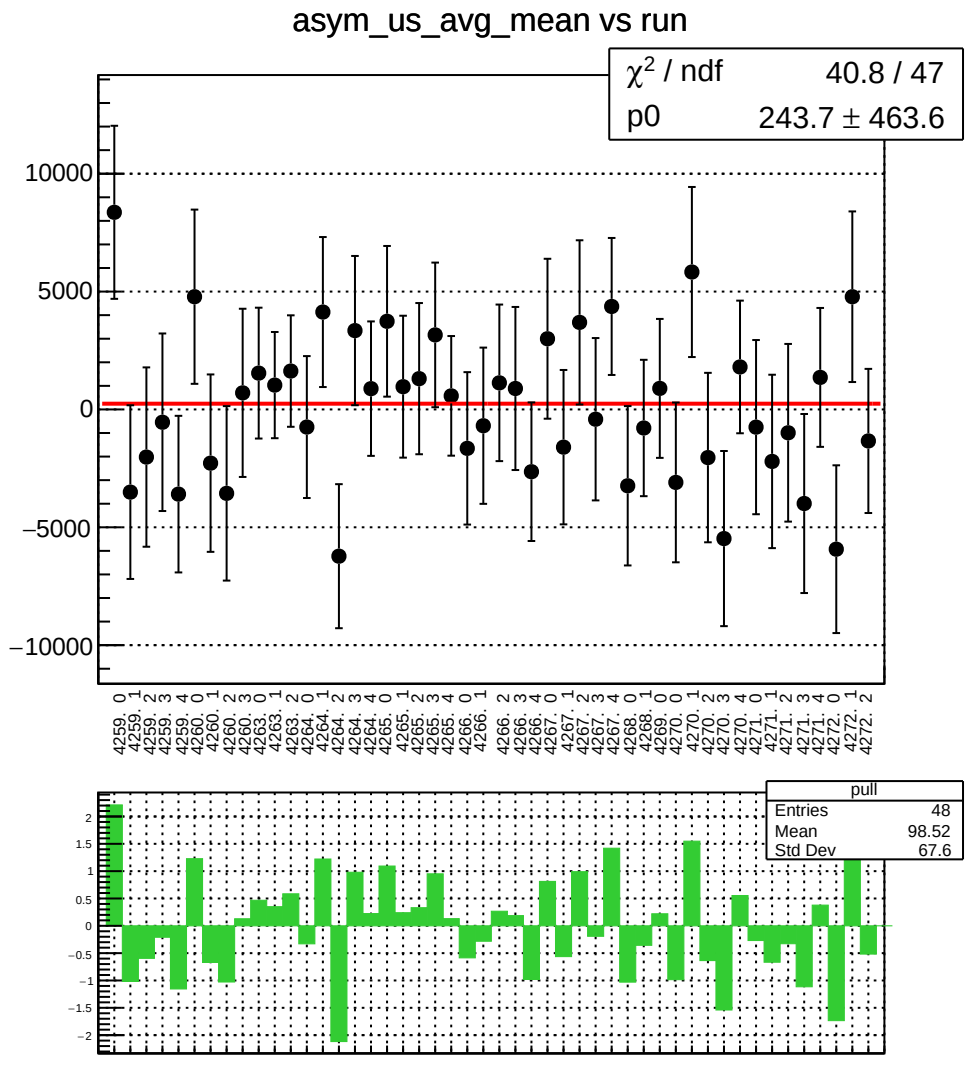

pull1D
Entries 48
Mean 0.005725
Std Dev 0.8782

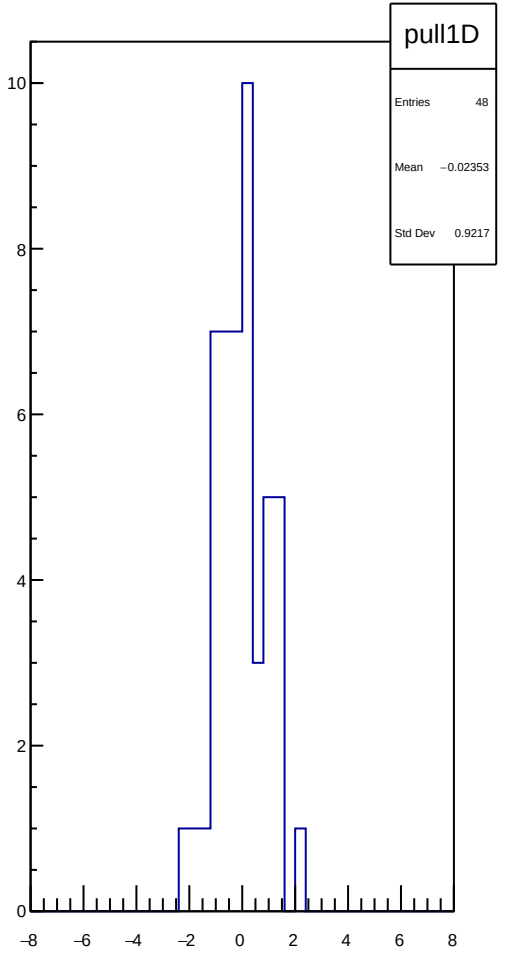

reg_asym_us_avg_rms vs run
χ² / ndf 101.8 / 47
p0 101.3 ± 0.1029
105
104
103
102
101
100
99
98
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

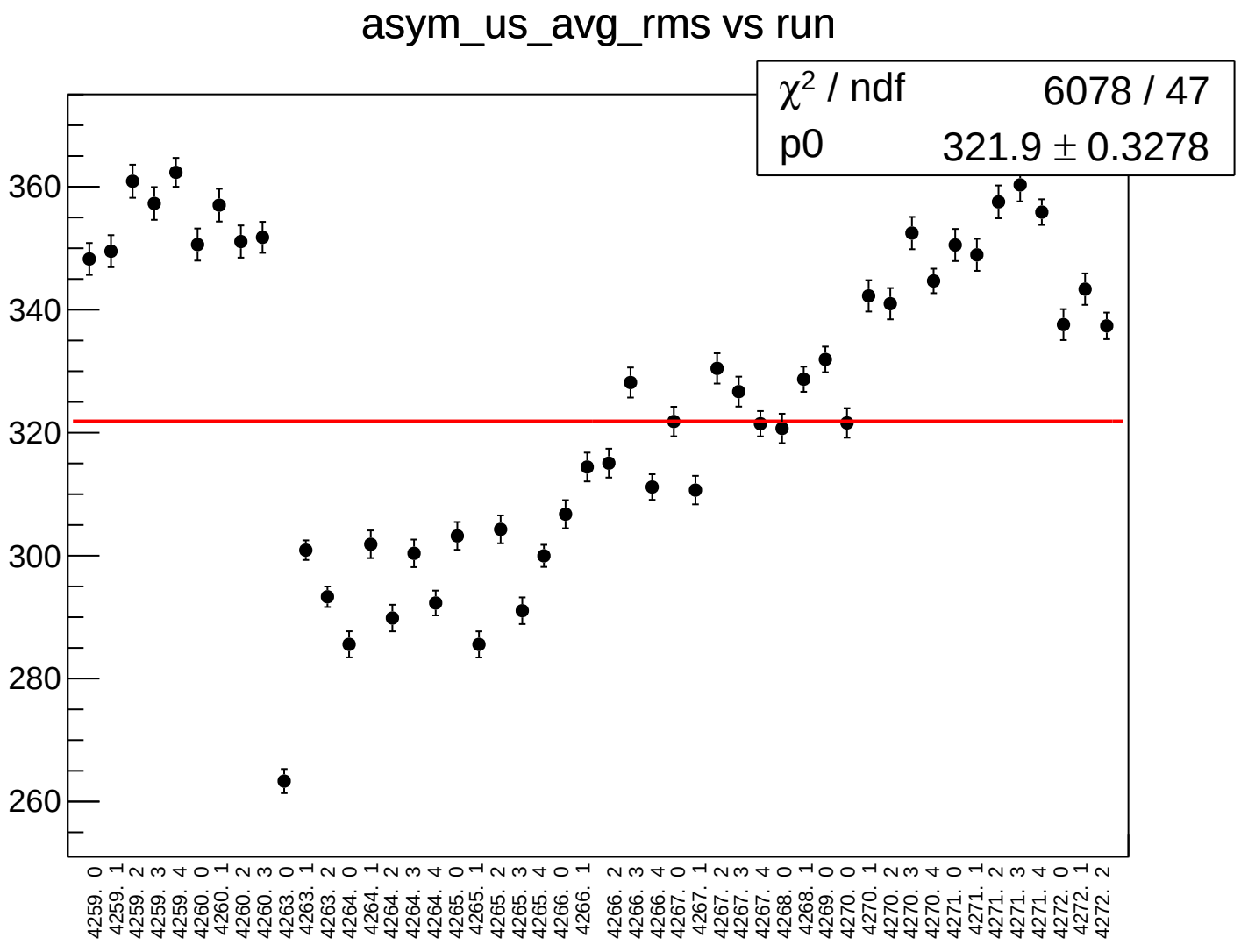

asym_us_avg_correction_mean vs run
χ² / ndf 41.71 / 47
p0 129.1 ± 439.4
10000
5000
0
−5000
−10000
pull
Entries 48
Mean 49.03
Std Dev 6.906
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

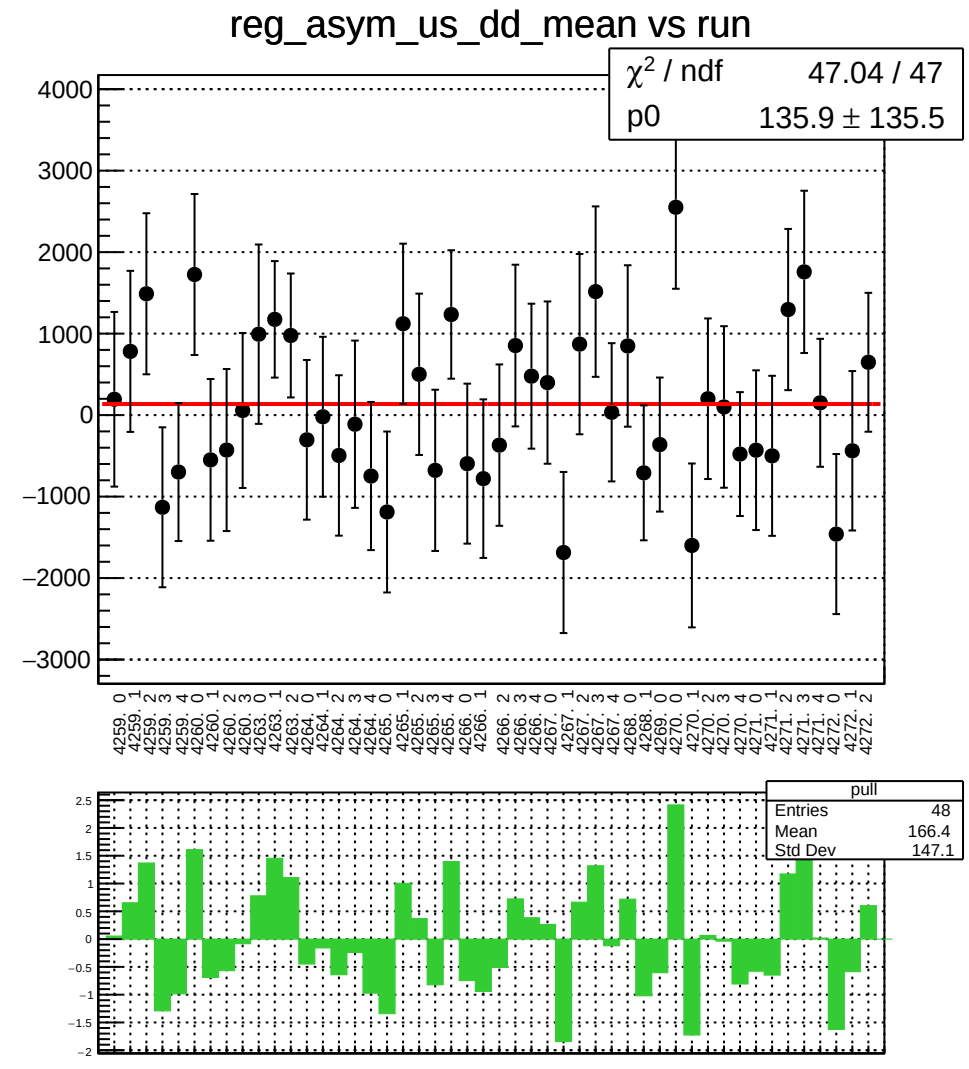

pull1D
Entries 48
Mean 0.02426
Std Dev 0.9318
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

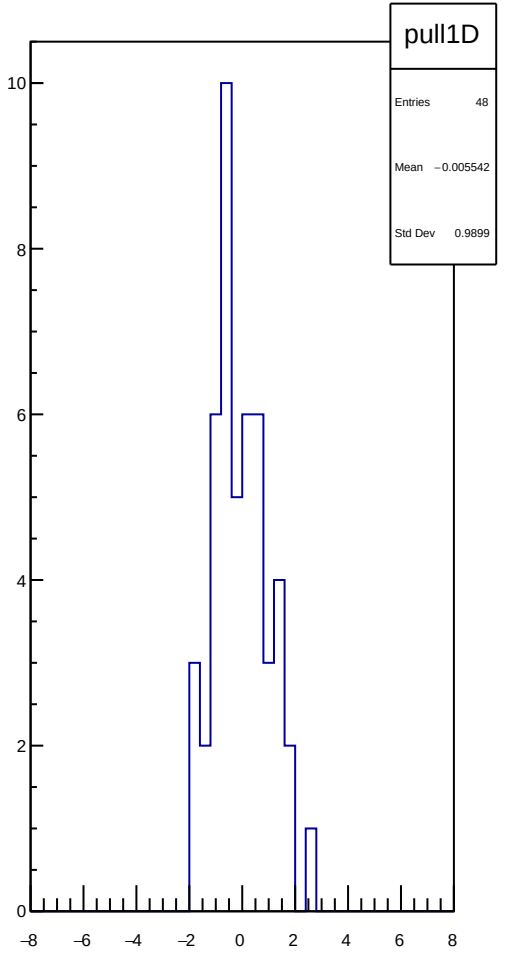

asym_us_avg_correction_rms vs run
χ² / ndf 7617 / 47
p0 304.8 ± 0.3107
360
340
320
300
280
260
240
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

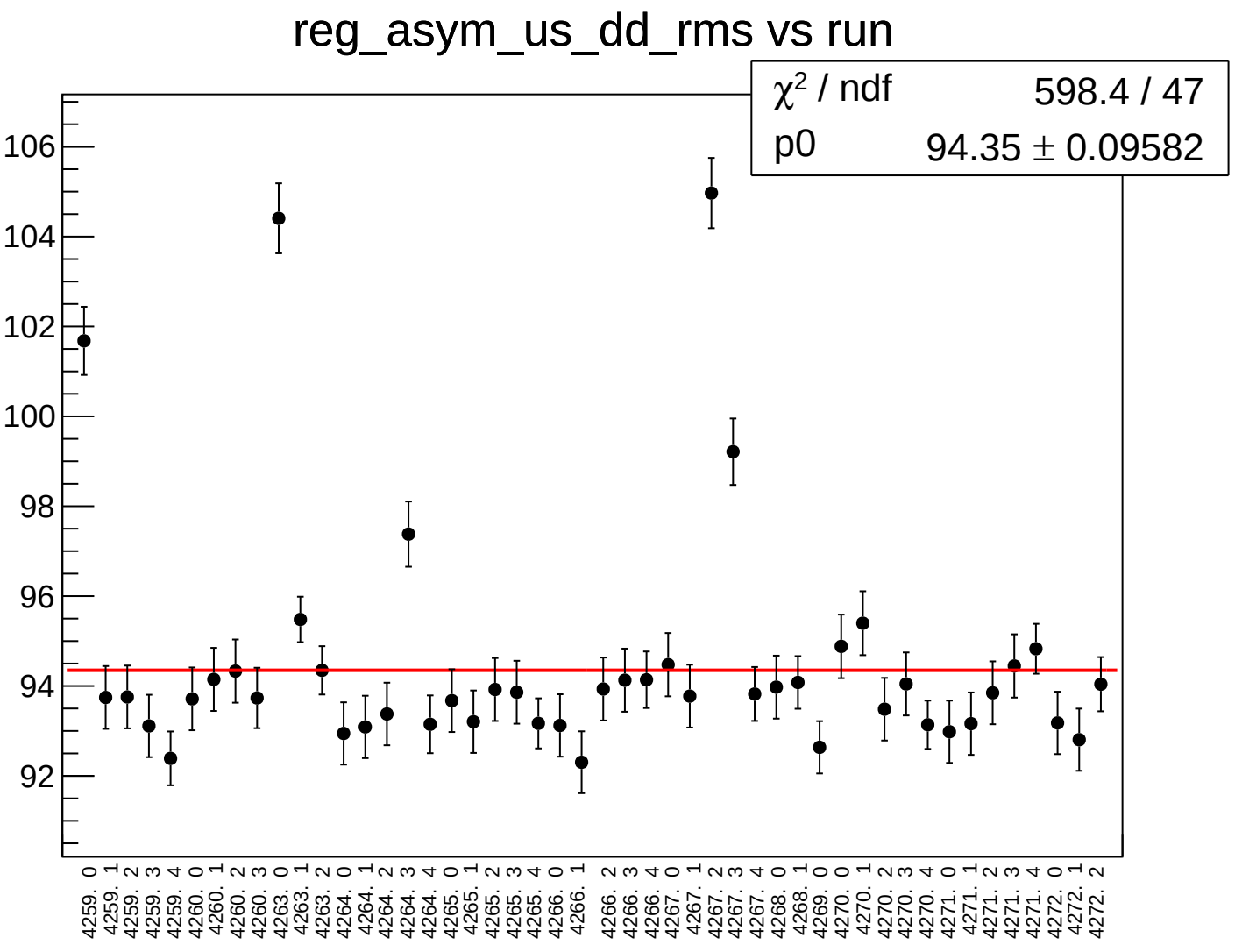

asym_us_avg_mean vs run
χ² / ndf 40.8 / 47
p0 243.7 ± 463.6
10000
5000
0
−5000
−10000
pull
Entries 48
Mean 98.52
Std Dev 67.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

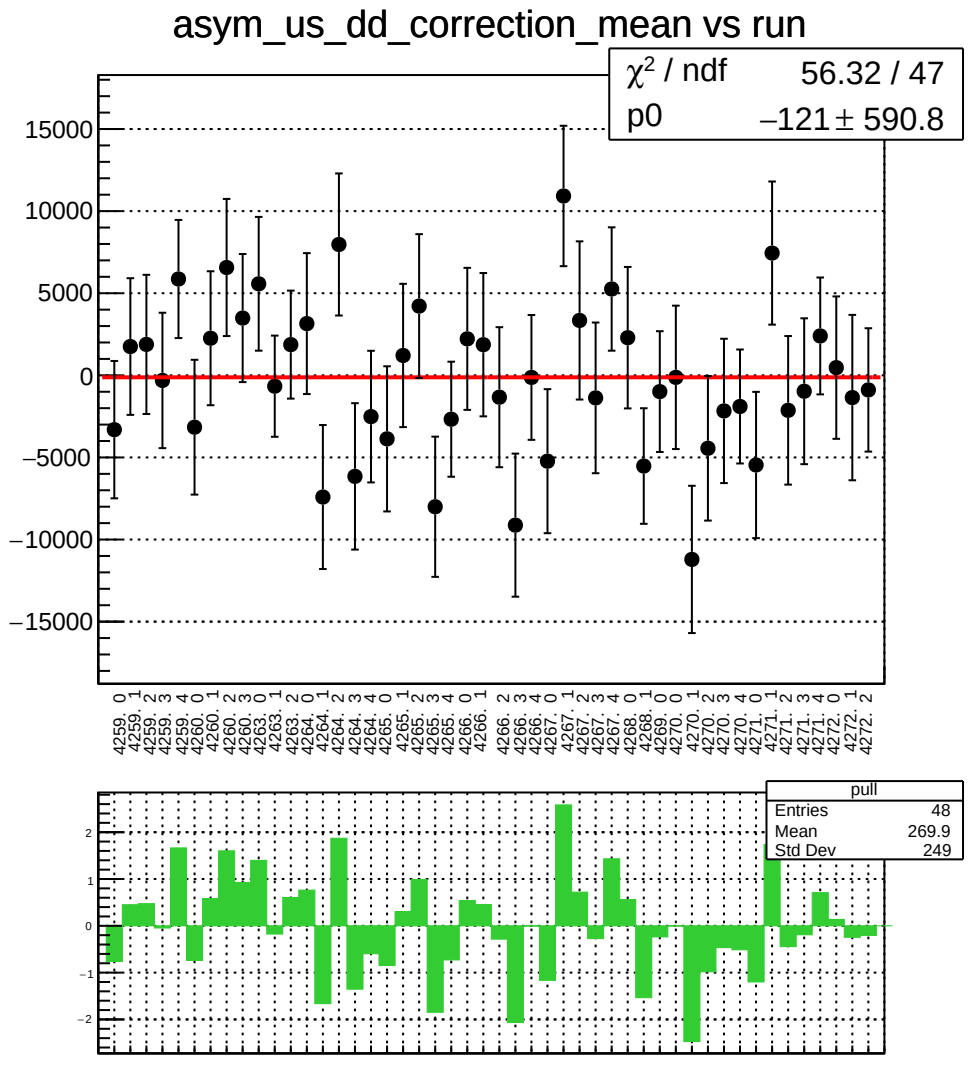

pull1D
Entries 48
Mean −0.02353
Std Dev 0.9217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

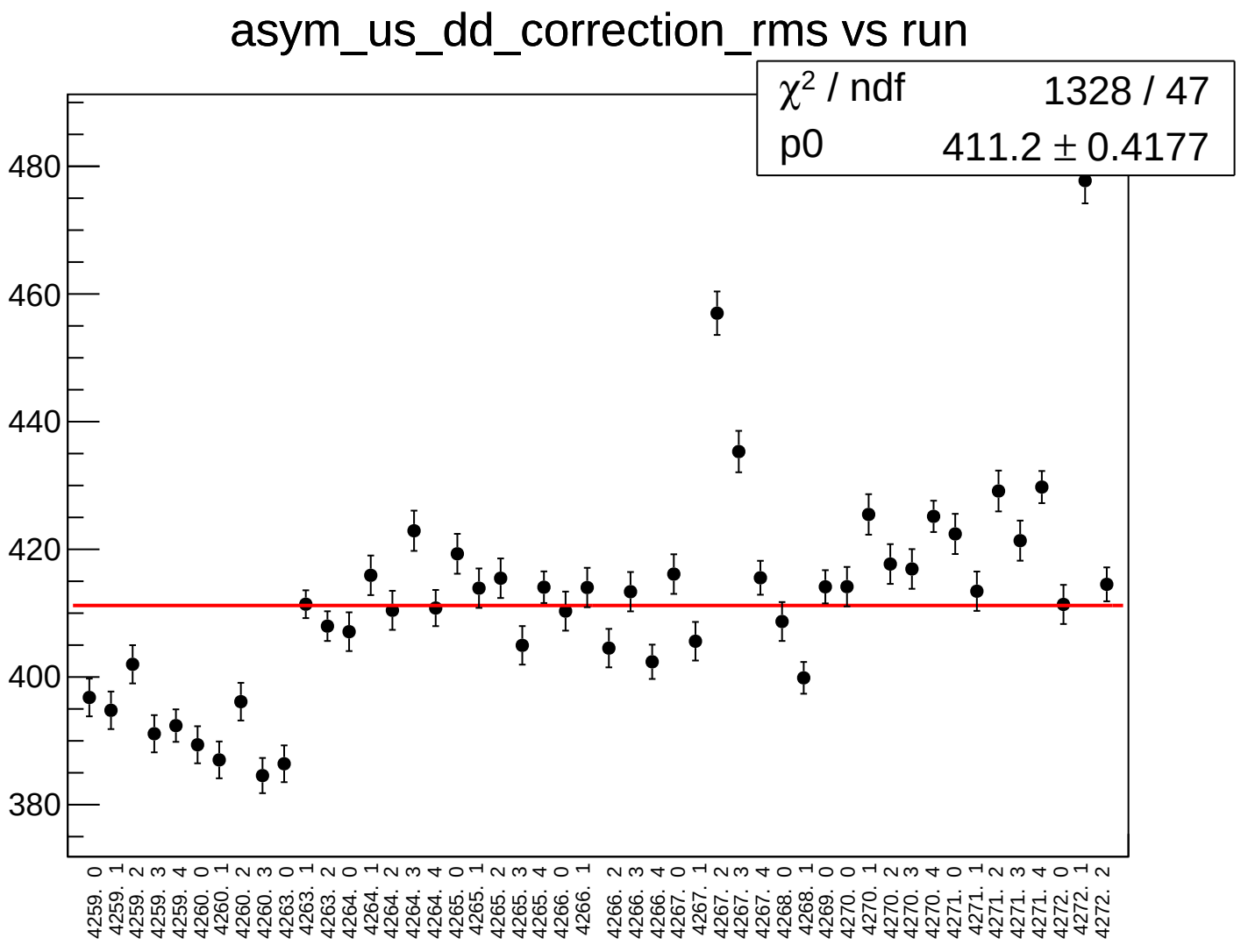

asym_us_avg_rms vs run
χ² / ndf 6078 / 47
p0 321.9 ± 0.3278
360
340
320
300
280
260
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

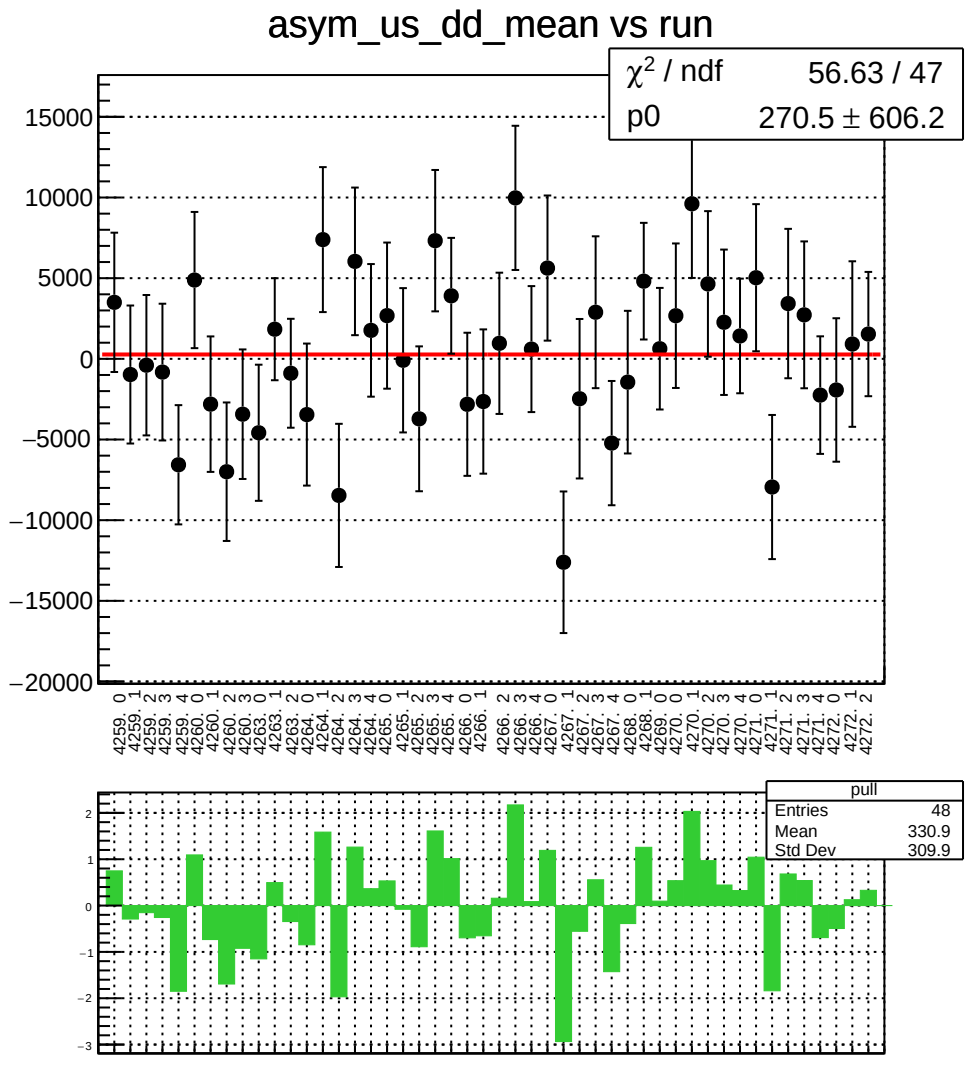

reg_asym_us_dd_mean vs run
χ² / ndf 47.04 / 47
p0 135.9 ± 135.5
pull
Entries 48
Mean 166.4
Std Dev 147.1

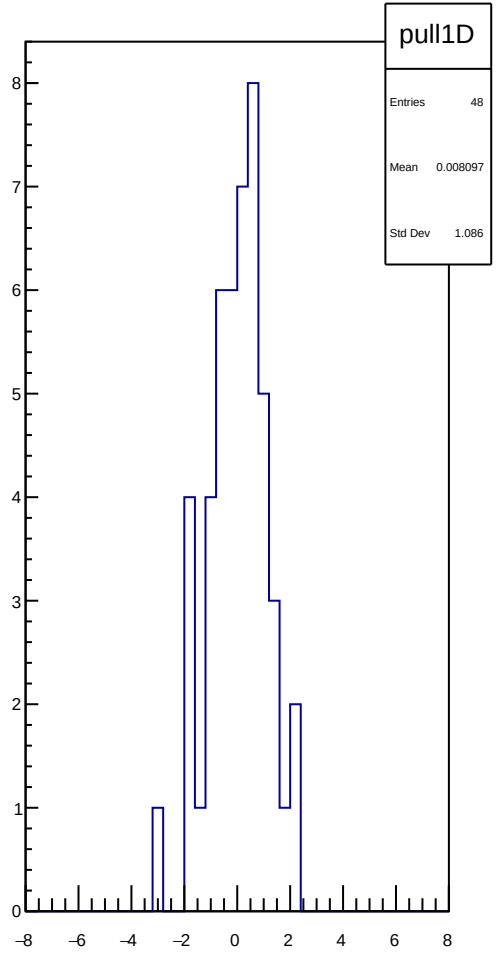

pull1D
Entries 48
Mean −0.005542
Std Dev 0.9899

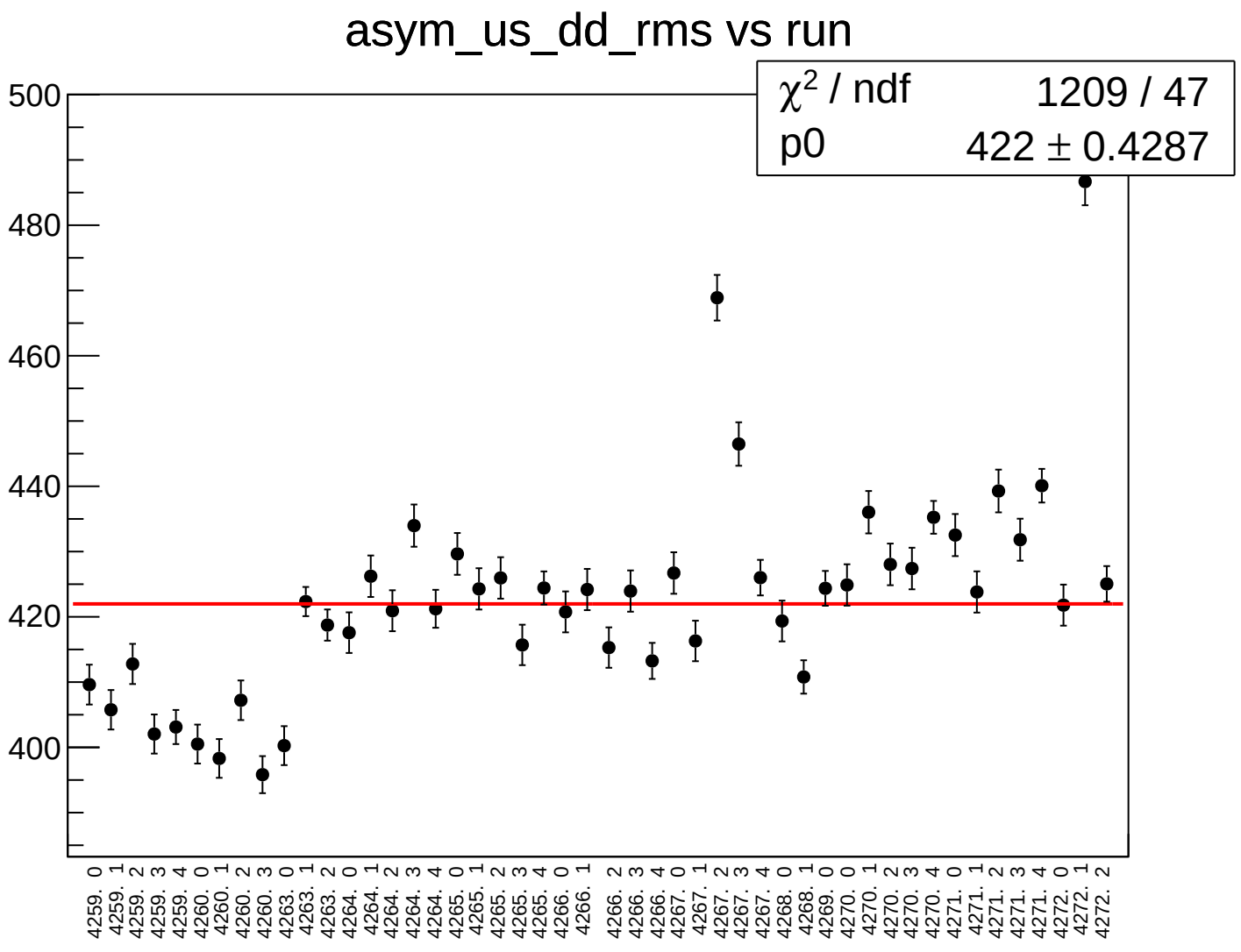

reg_asym_us_dd_rms vs run
χ² / ndf 598.4 / 47
p0 94.35 ± 0.09582
106
104
102
100
98
96
94
92
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

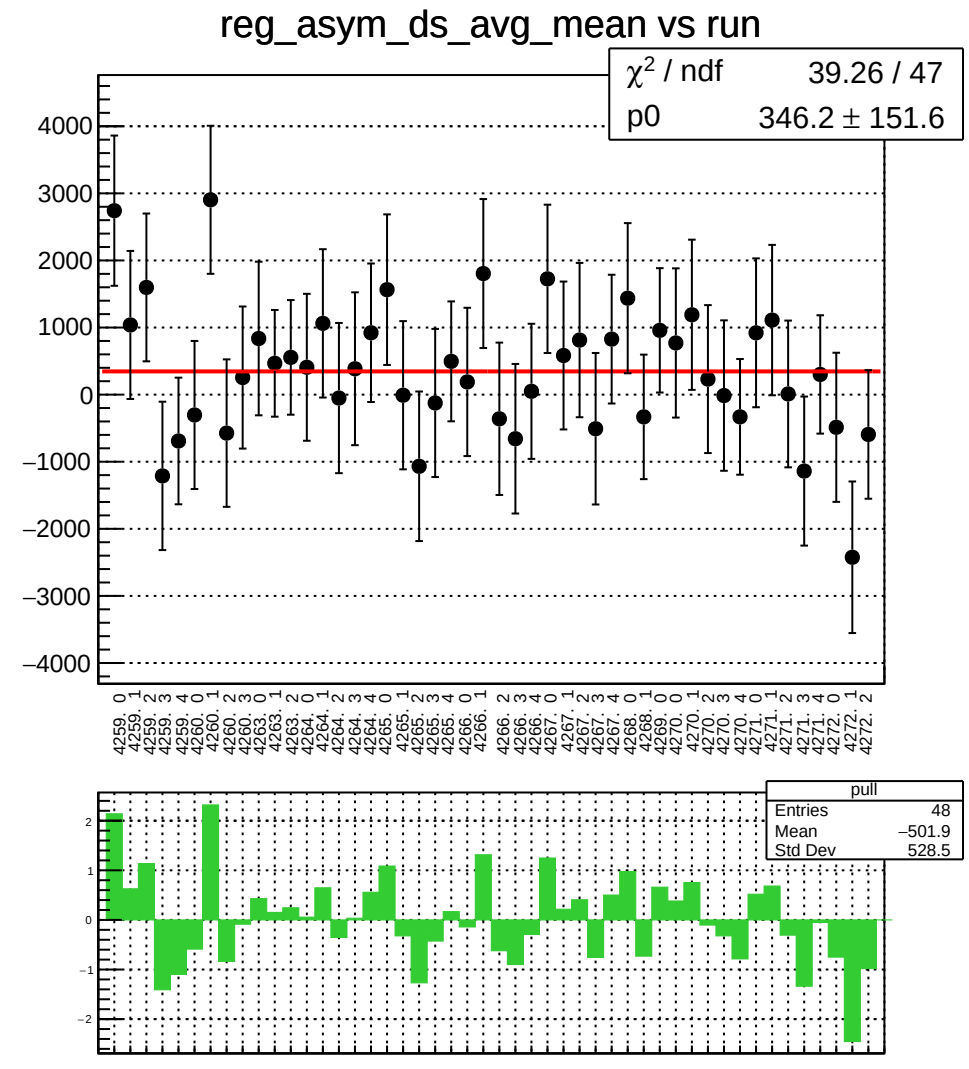

asym_us_dd_correction_mean vs run
χ² / ndf 56.32 / 47
p0 −121 ± 590.8
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 269.9
Std Dev 249
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.01112
Std Dev 1.083
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

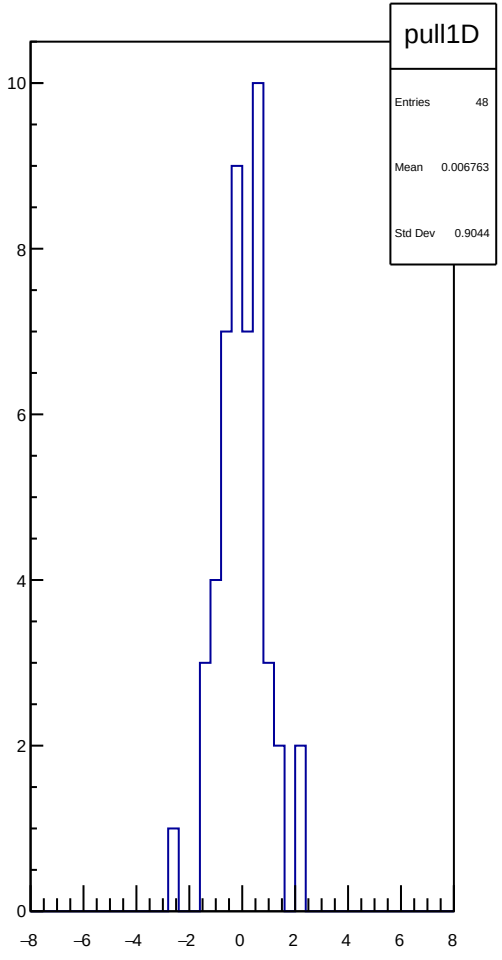

asym_us_dd_correction_rms vs run
χ² / ndf 1328 / 47
p0 411.2 ± 0.4177
480
460
440
420
400
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

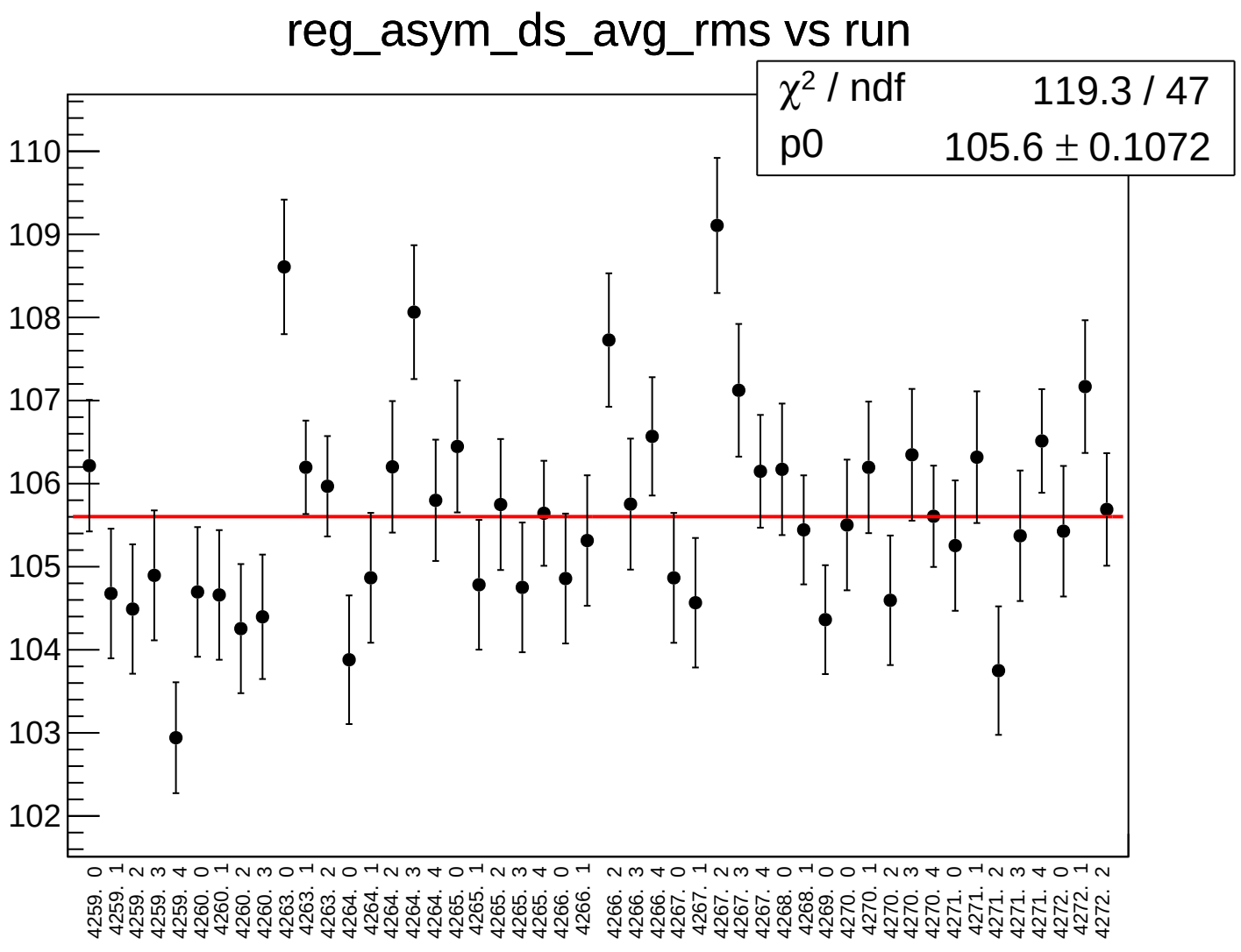

asym_us_dd_mean vs run
χ² / ndf 56.63 / 47
p0 270.5 ± 606.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 330.9
Std Dev 309.9
2
1
0
−1
−2
−3

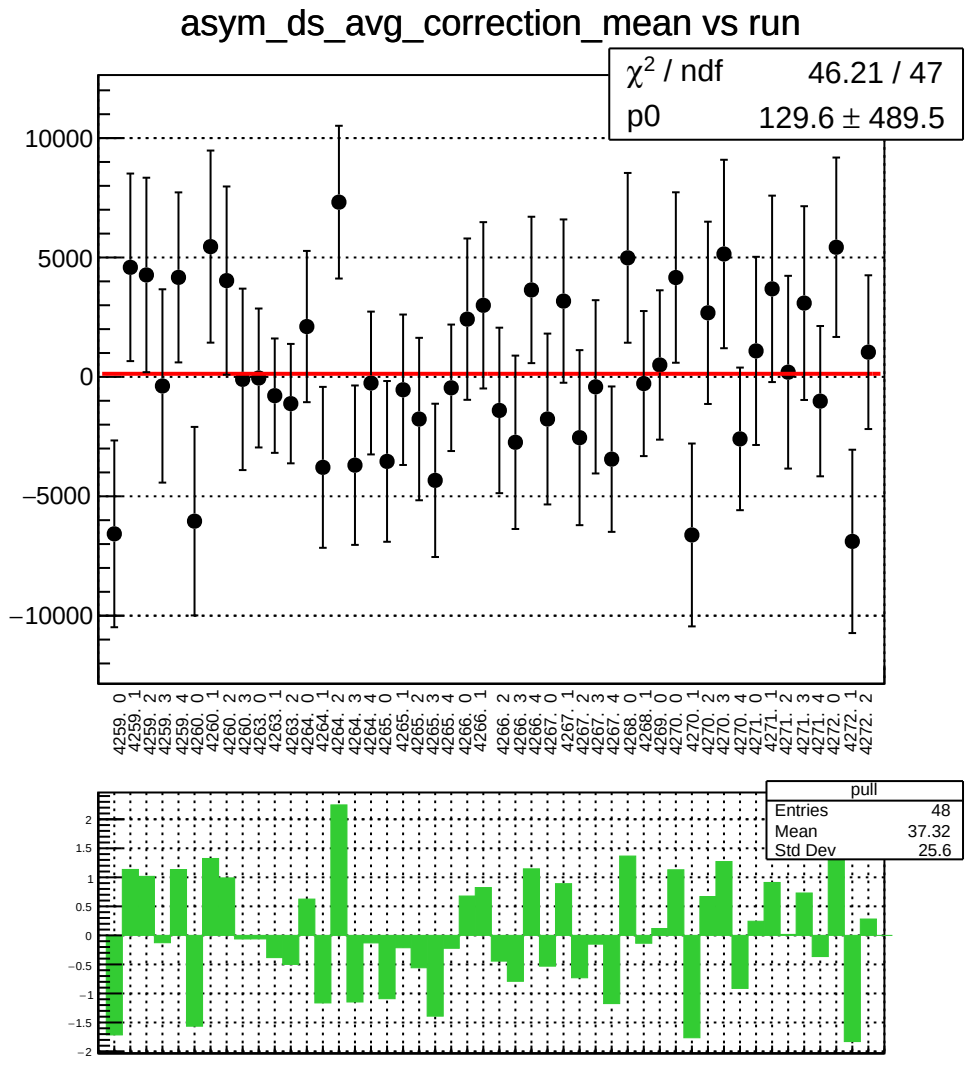

pull1D
Entries 48
Mean 0.008097
Std Dev 1.086
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

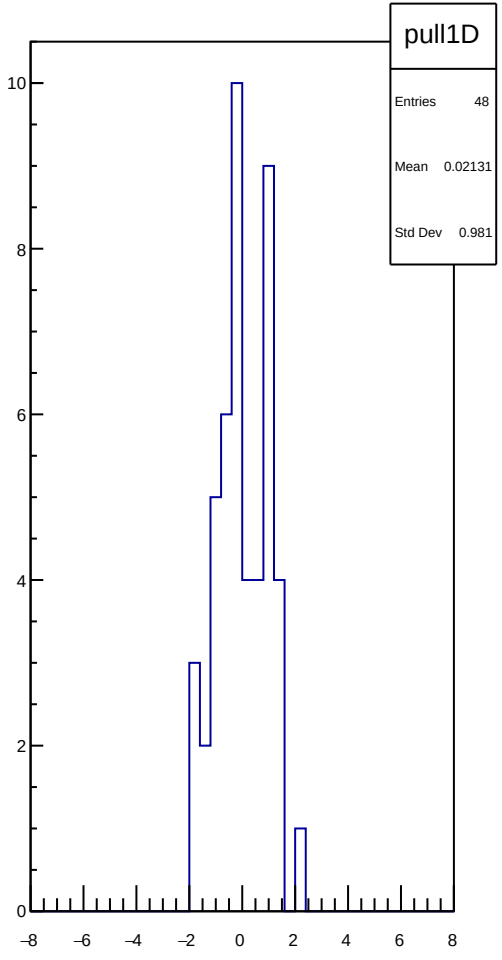

asym_us_dd_rms vs run
χ² / ndf 1209 / 47
p0 422 ± 0.4287
500
480
460
440
420
400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

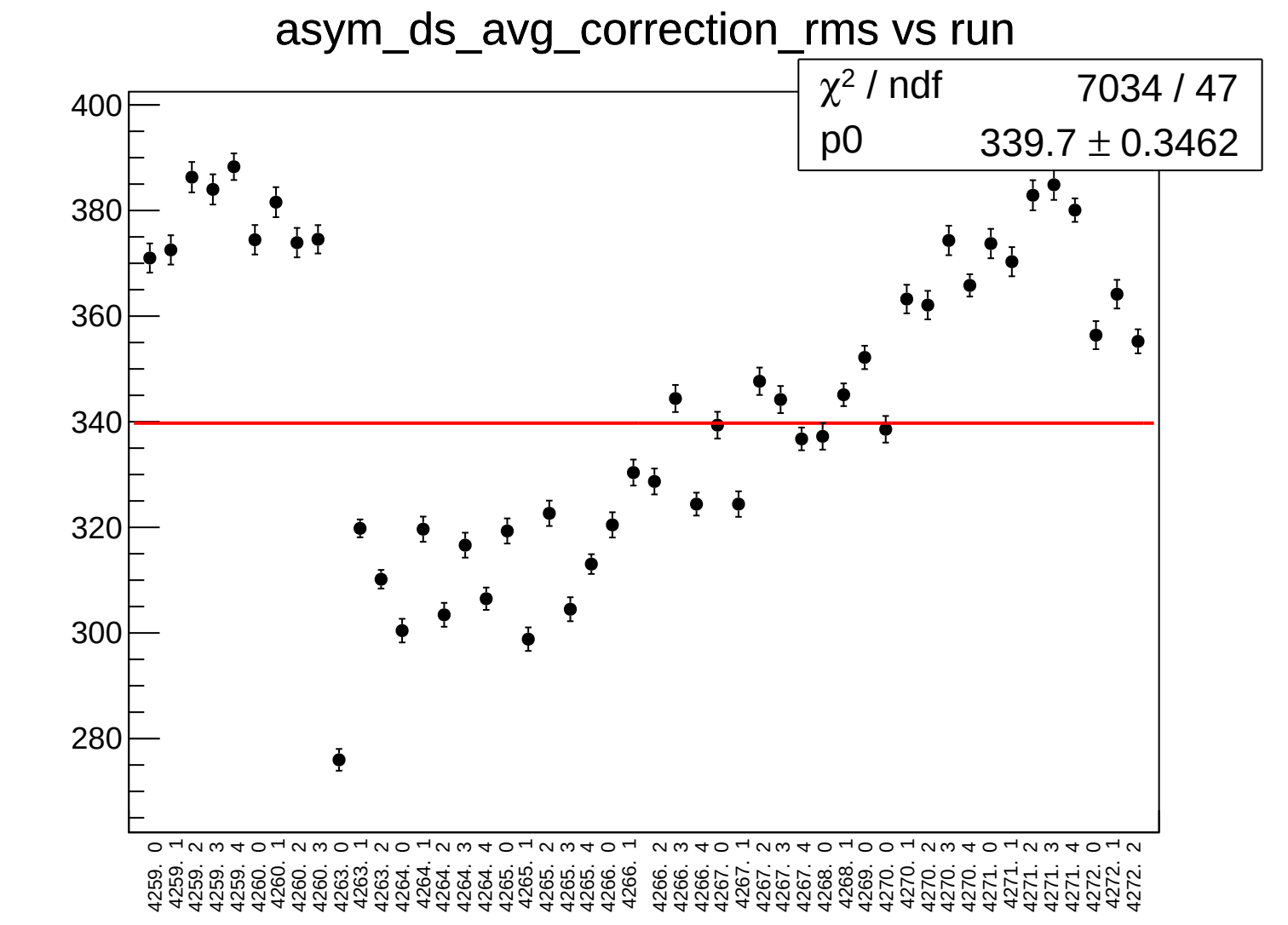

reg_asym_ds_avg_mean vs run
χ^2 / ndf 39.26 / 47
p0 346.2 ± 151.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −501.9
Std Dev 528.5
2
1
0
−1
−2

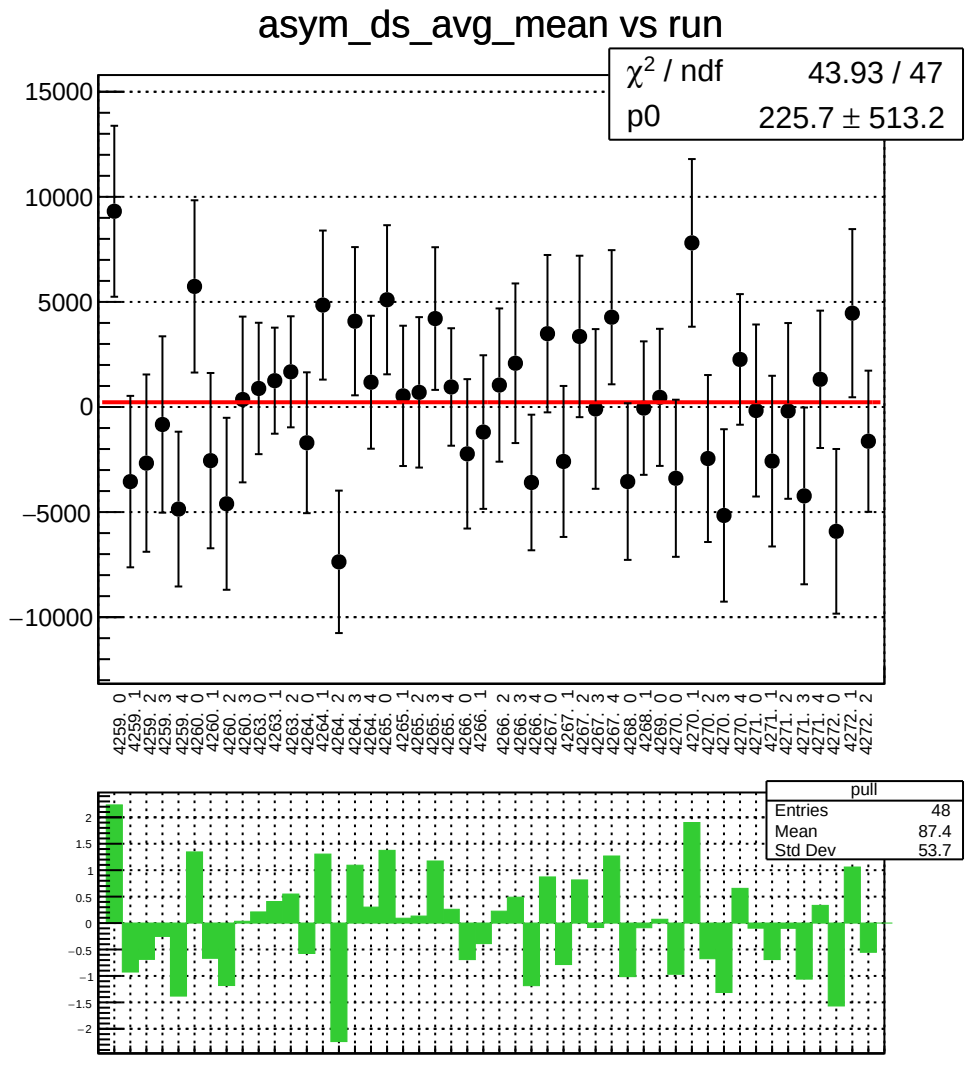

pull1D
Entries 48
Mean 0.006763
Std Dev 0.9044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

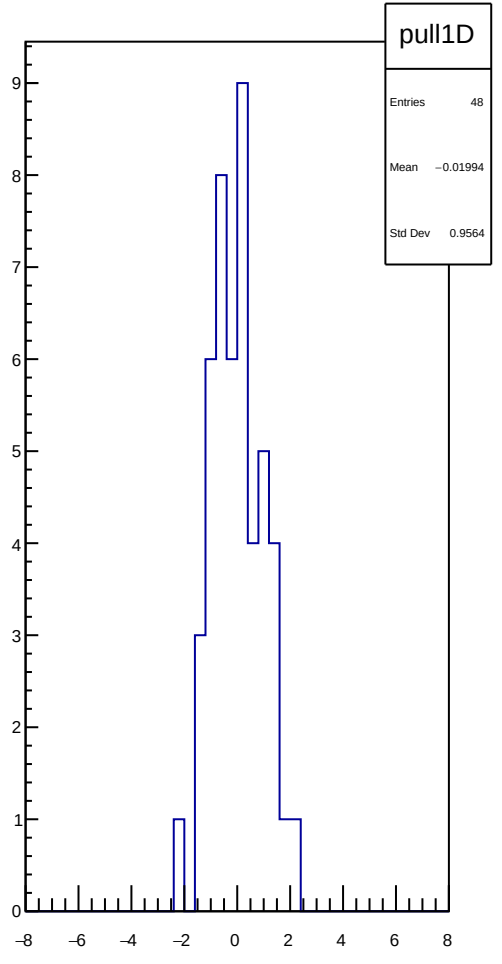

reg_asym_ds_avg_rms vs run
χ² / ndf 119.3 / 47
p0 105.6 ± 0.1072
110
109
108
107
106
105
104
103
102
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

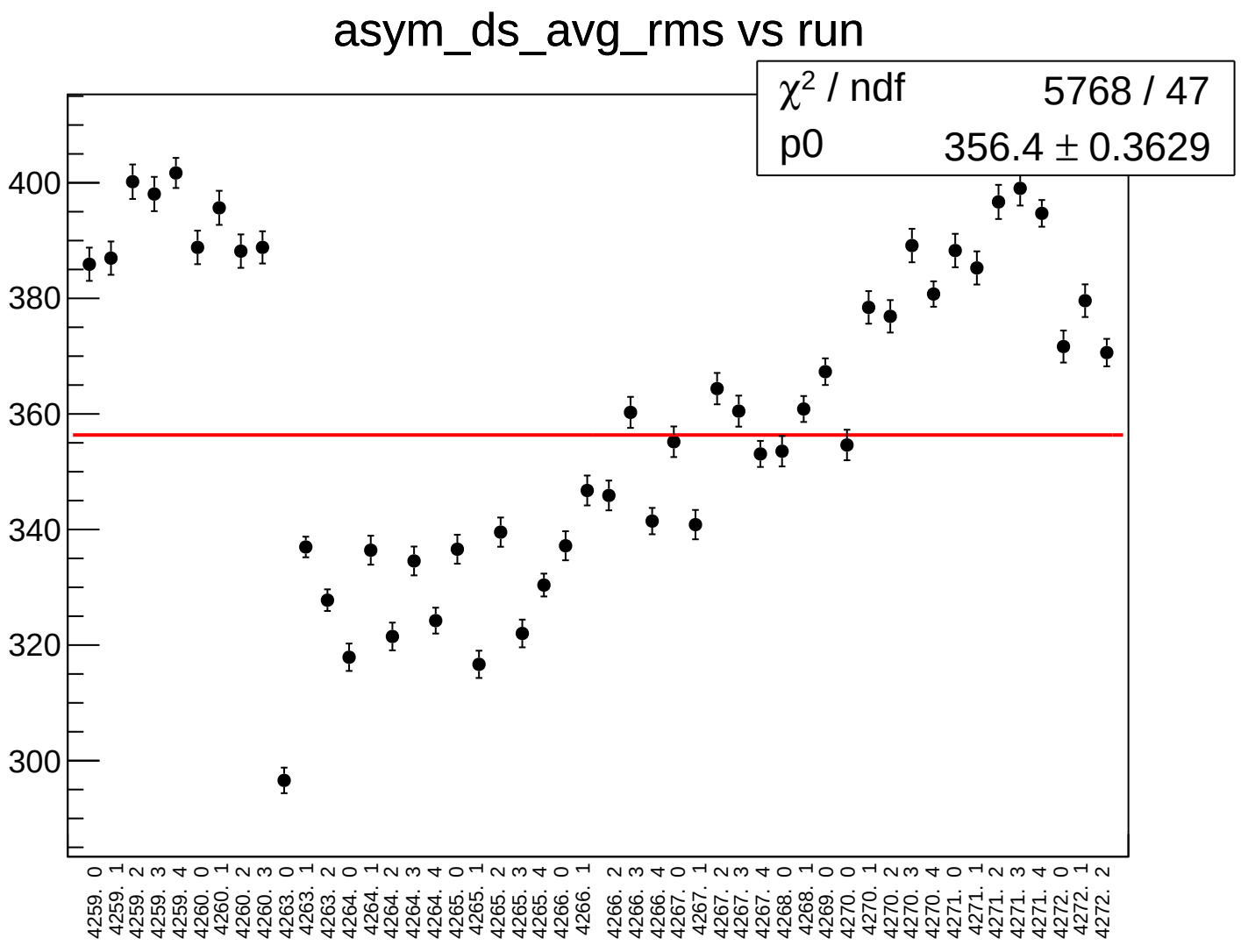

asym_ds_avg_correction_mean vs run
χ² / ndf 46.21 / 47
p0 129.6 ± 489.5
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 37.32
Std Dev 25.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

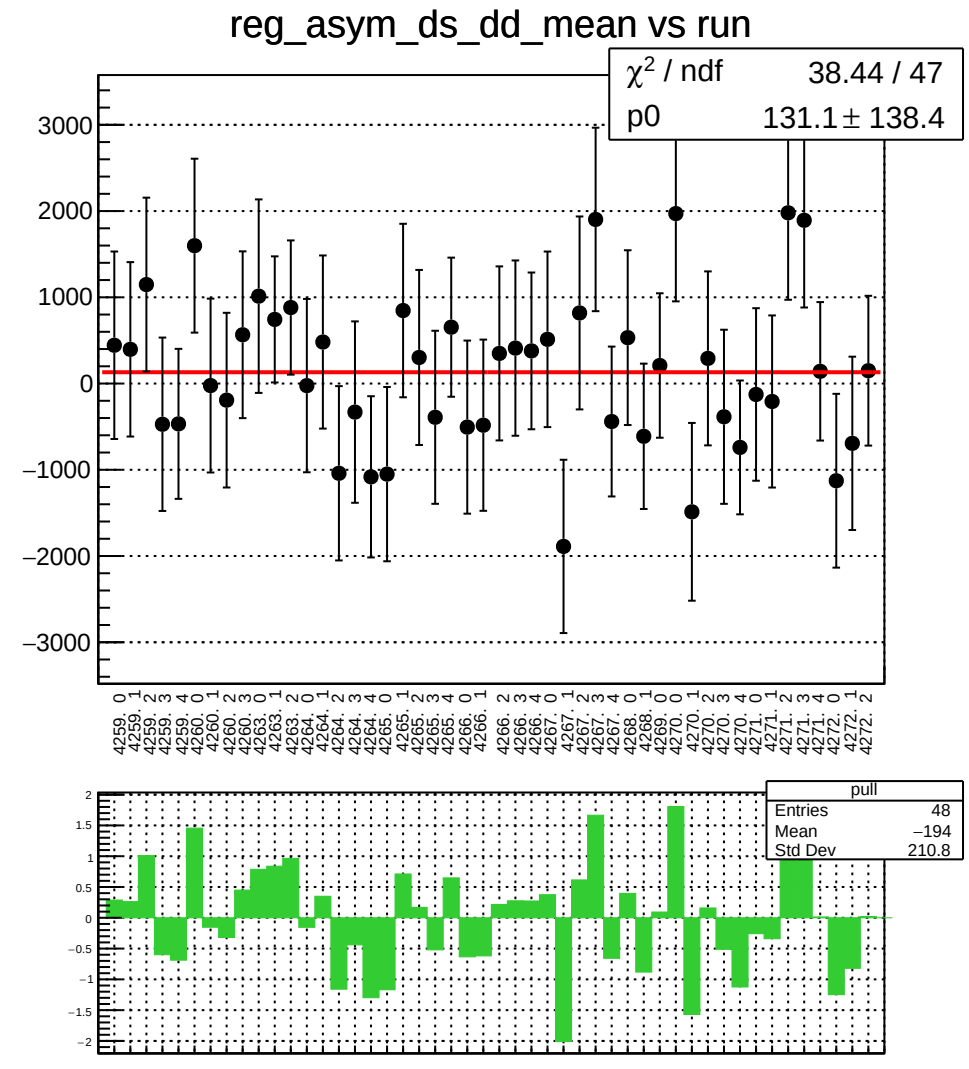

pull1D
Entries 48
Mean 0.02131
Std Dev 0.981
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

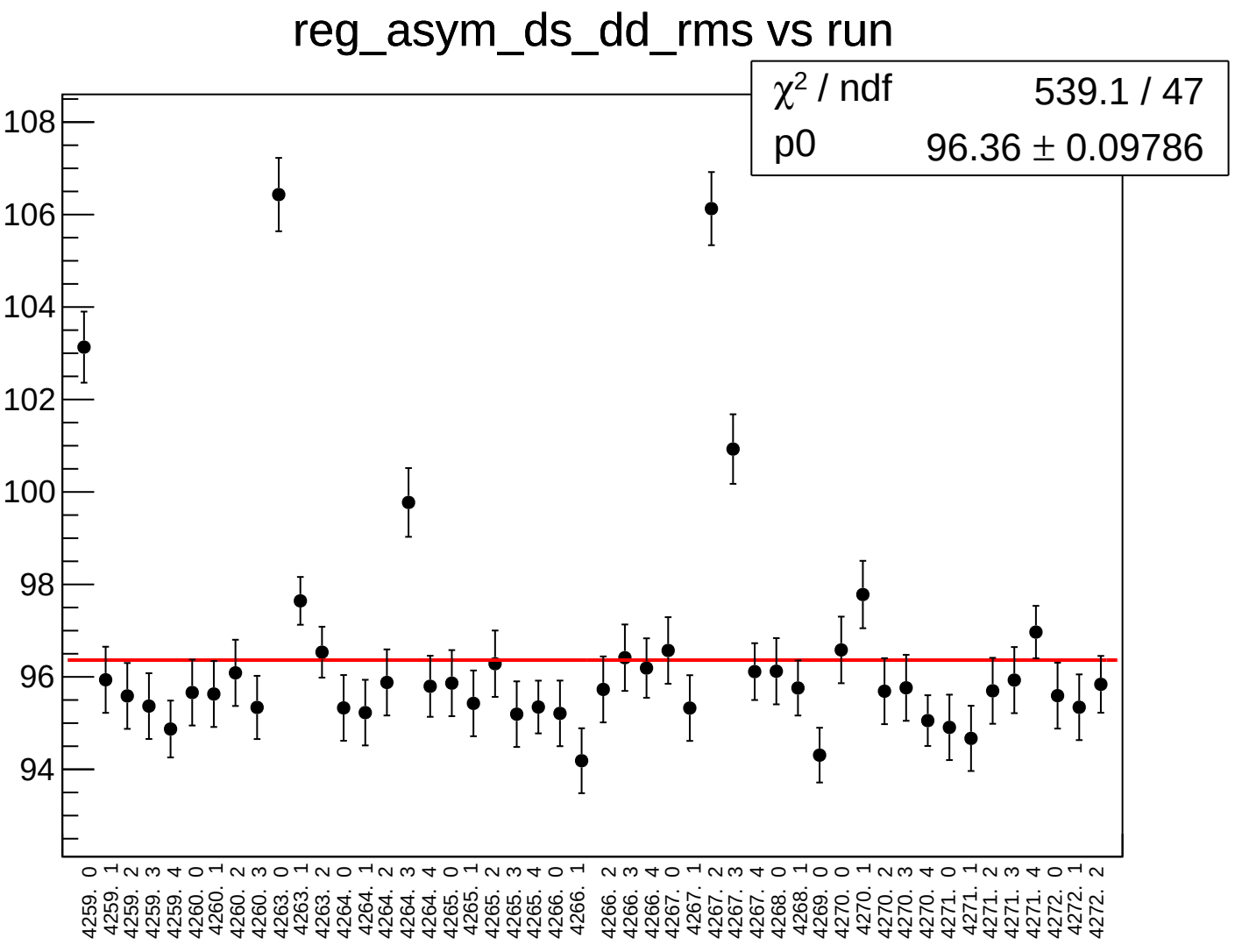

asym_ds_avg_correction_rms vs run
χ² / ndf 7034 / 47
p0 339.7 ± 0.3462
400
380
360
340
320
300
280
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

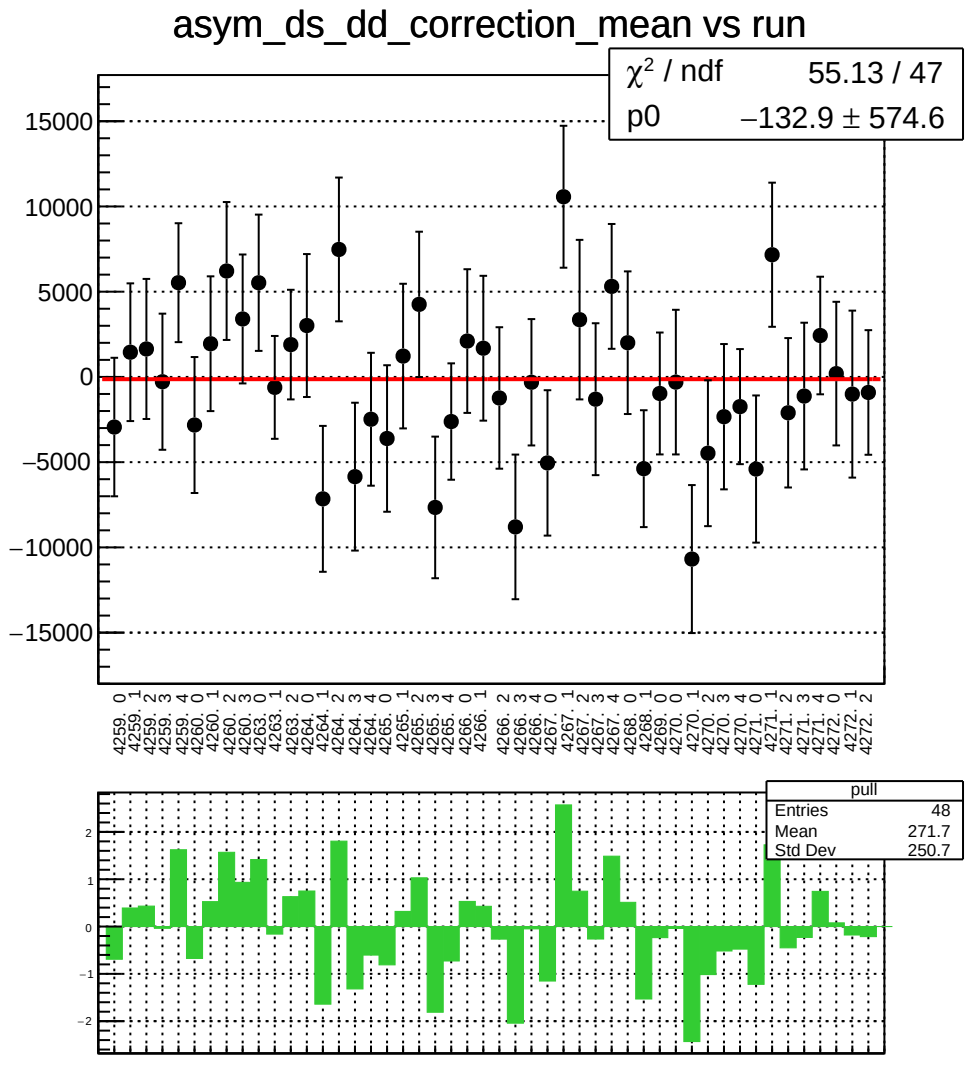

asym_ds_avg_mean vs run
χ² / ndf 43.93 / 47
p0 225.7 ± 513.2
15000
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 87.4
Std Dev 53.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

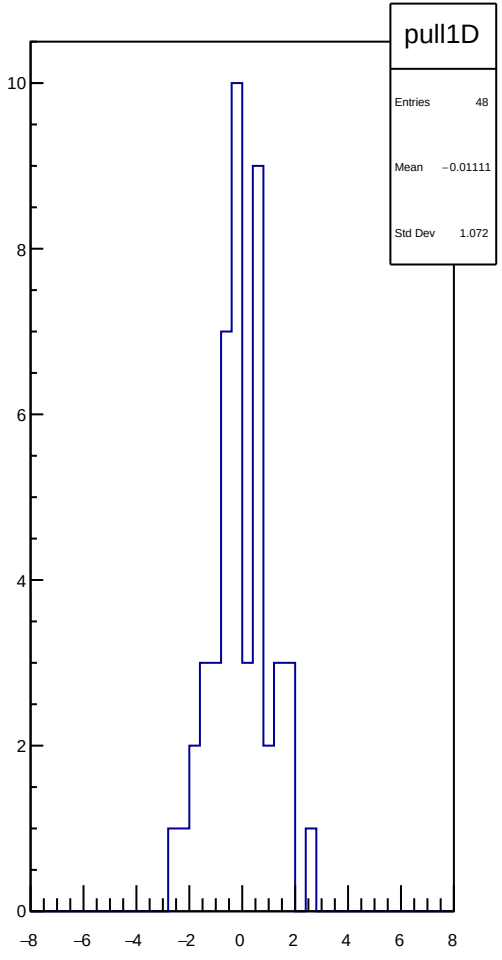

pull1D
Entries 48
Mean −0.01994
Std Dev 0.9564
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

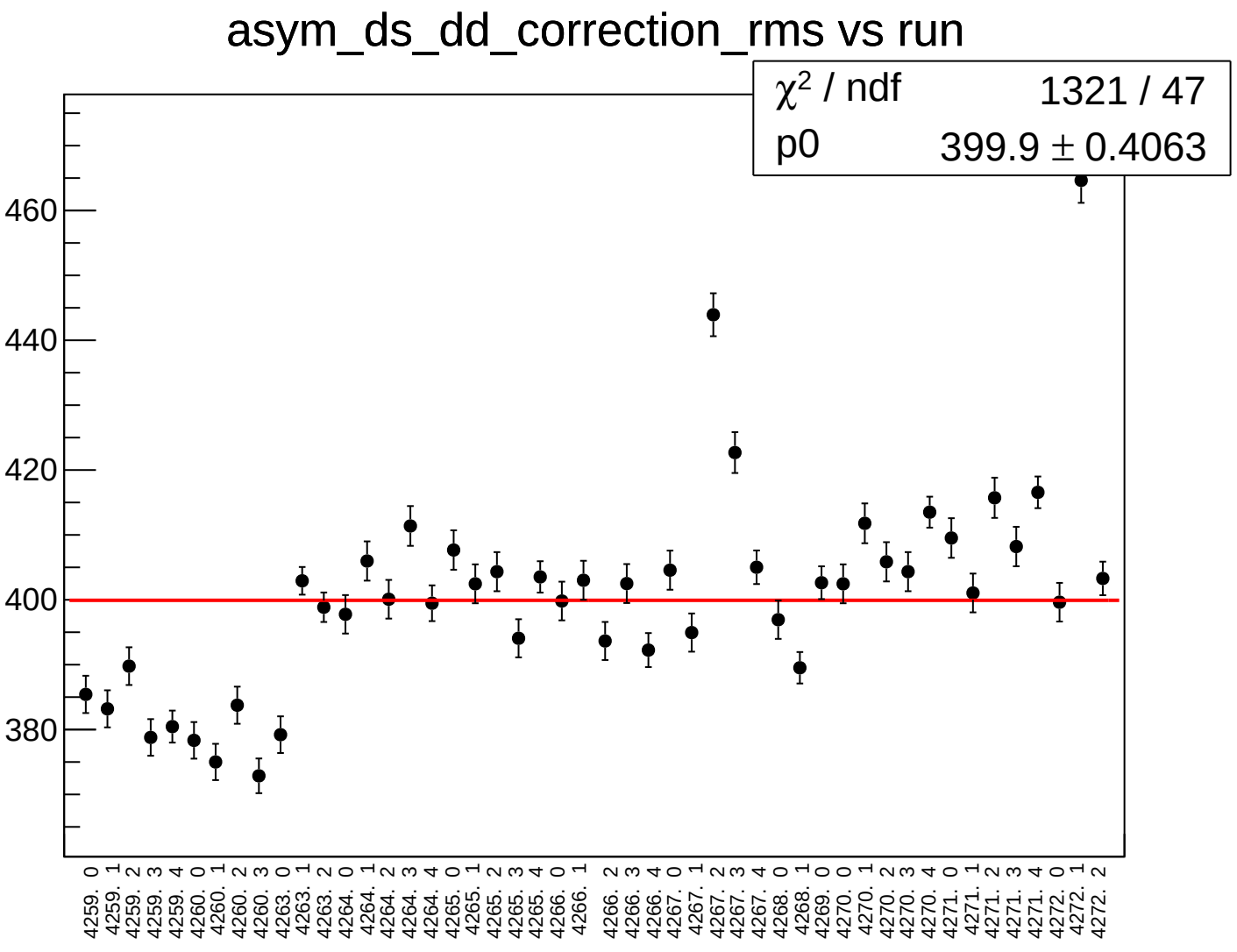

asym_ds_avg_rms vs run
χ² / ndf 5768 / 47
p0 356.4 ± 0.3629
400
380
360
340
320
300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

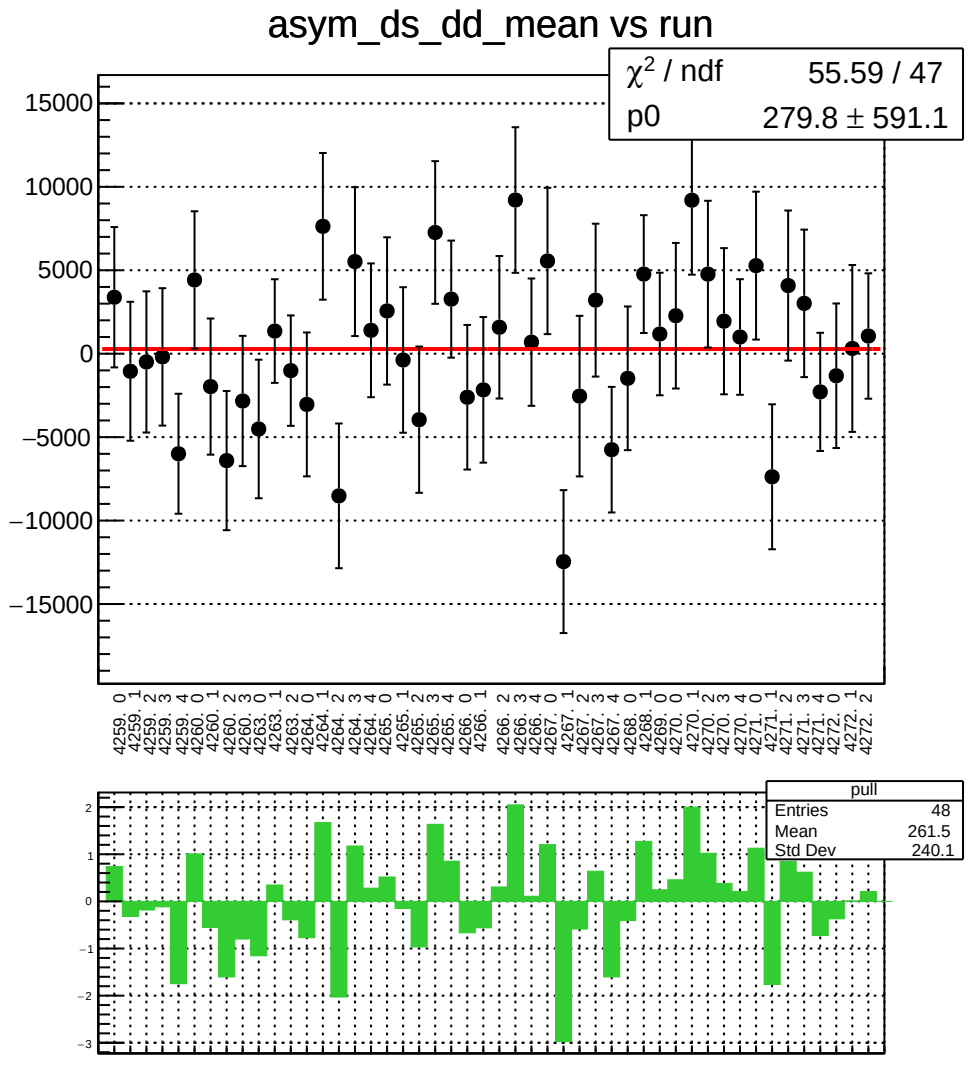

reg_asym_ds_dd_mean vs run
χ^2 / ndf 38.44 / 47
p0 131.1 ± 138.4
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −194
Std Dev 210.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean 0.004976
Std Dev 0.8949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

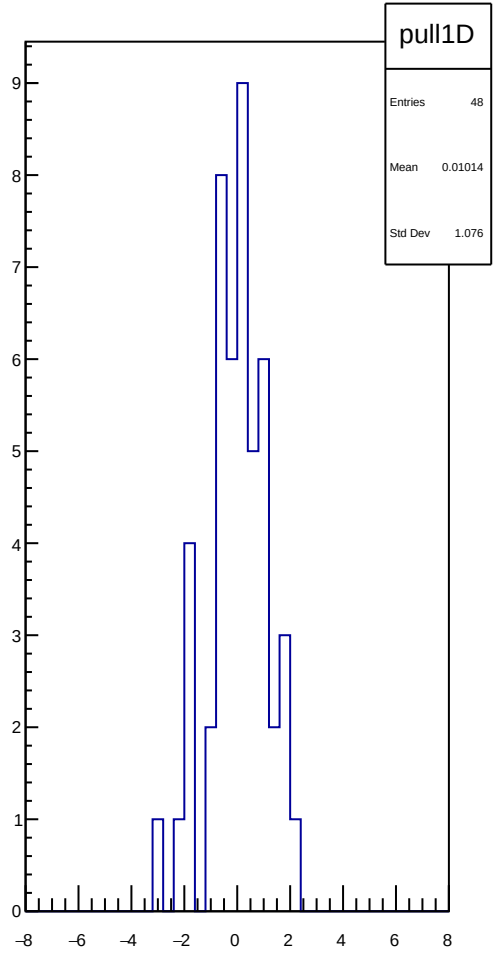

reg_asym_ds_dd_rms vs run
χ² / ndf 539.1 / 47
p0 96.36 ± 0.09786
108
106
104
102
100
98
96
94
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

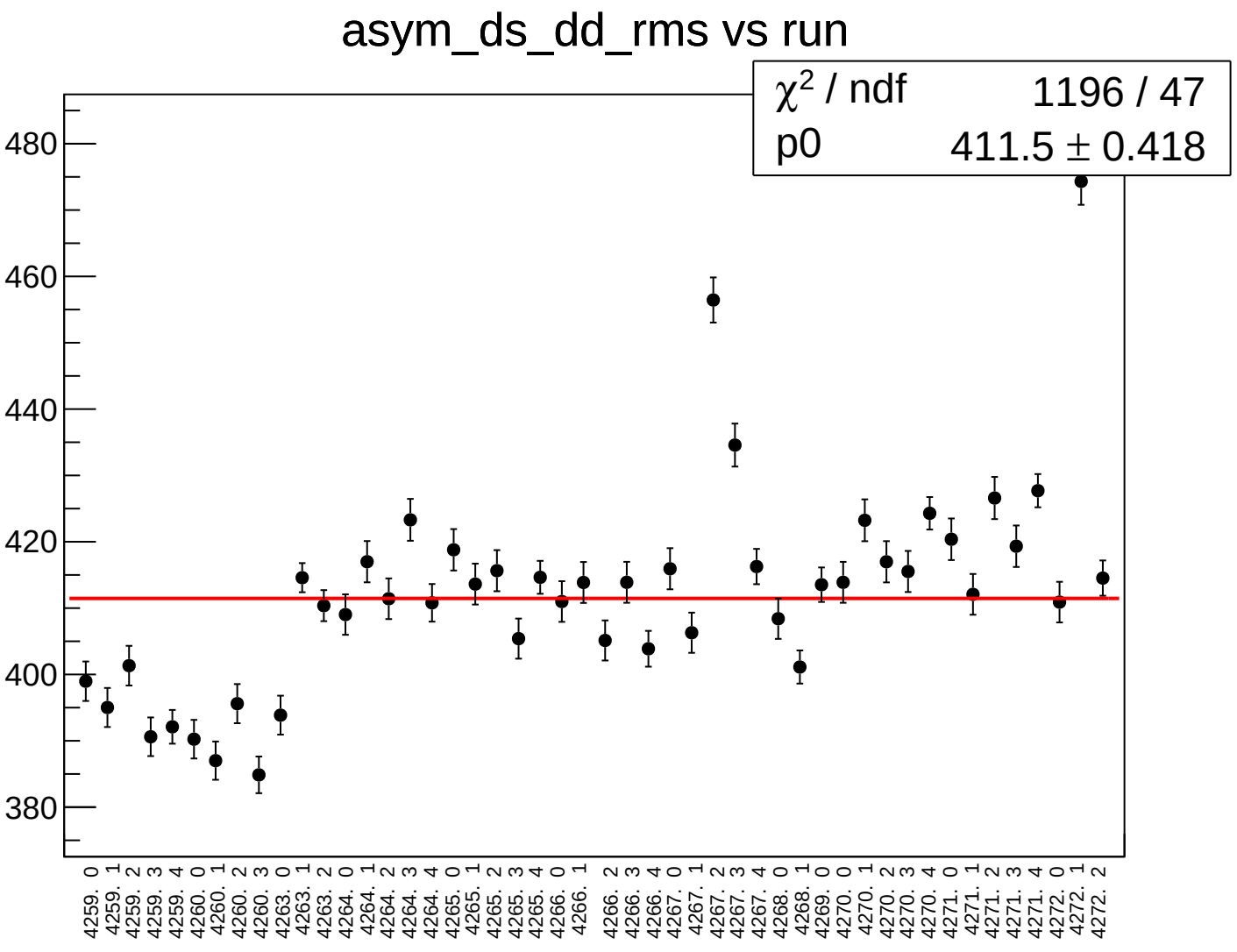

asym_ds_dd_correction_mean vs run
χ² / ndf 55.13 / 47
p0 −132.9 ± 574.6
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 271.7
Std Dev 250.7
2
1
0
−1
−2

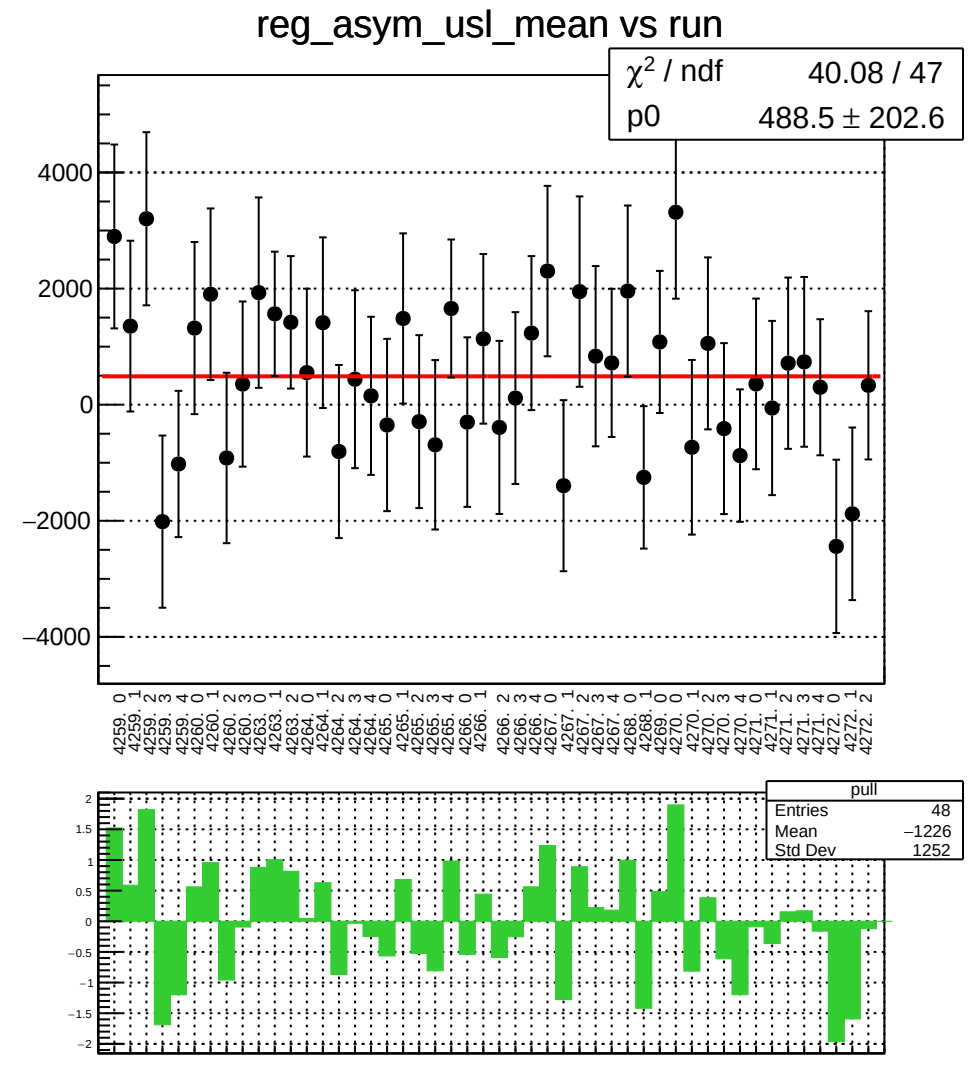

pull1D
Entries 48
Mean −0.01111
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

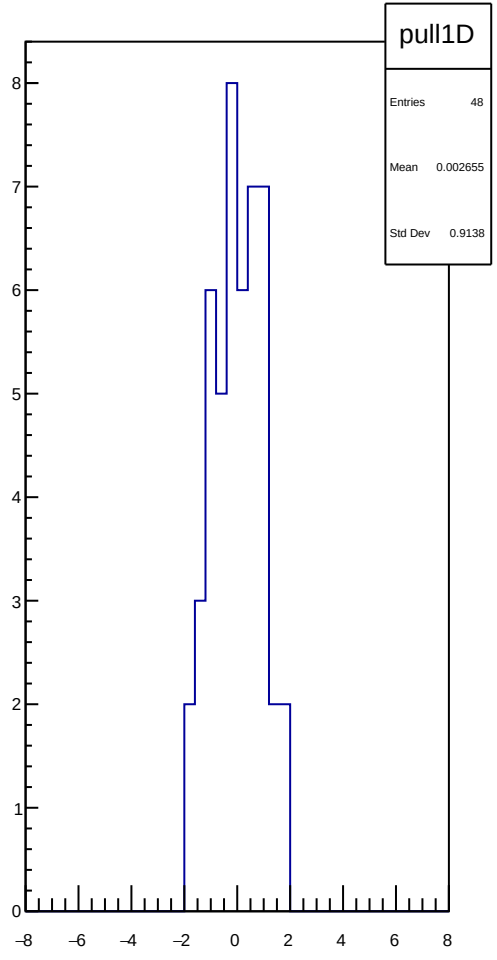

asym_ds_dd_correction_rms vs run
χ² / ndf 1321 / 47
p0 399.9 ± 0.4063
460
440
420
400
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

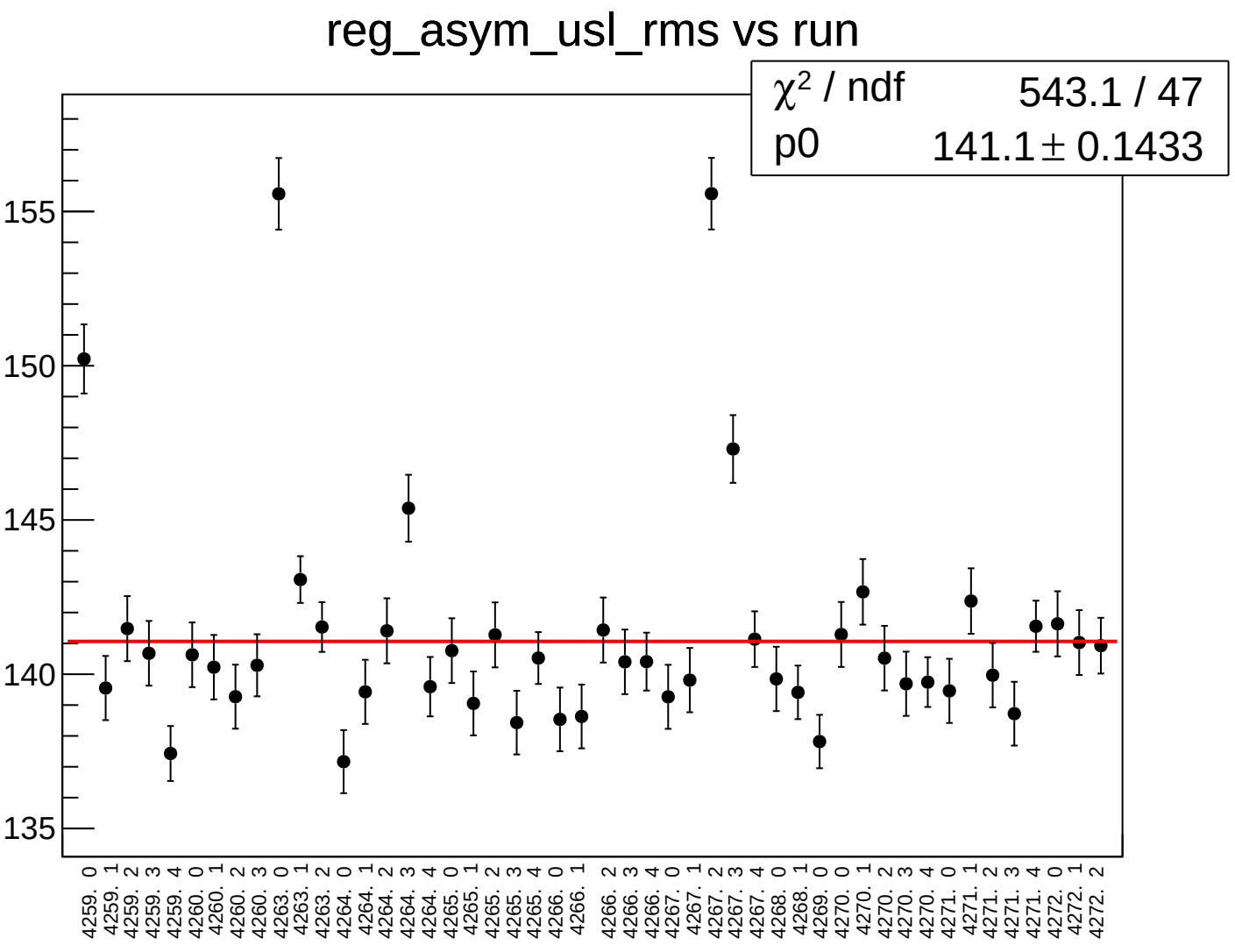

asym_ds_dd_mean vs run
χ² / ndf 55.59 / 47
p0 279.8 ± 591.1
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 261.5
Std Dev 240.1
2
1
0
−1
−2
−3

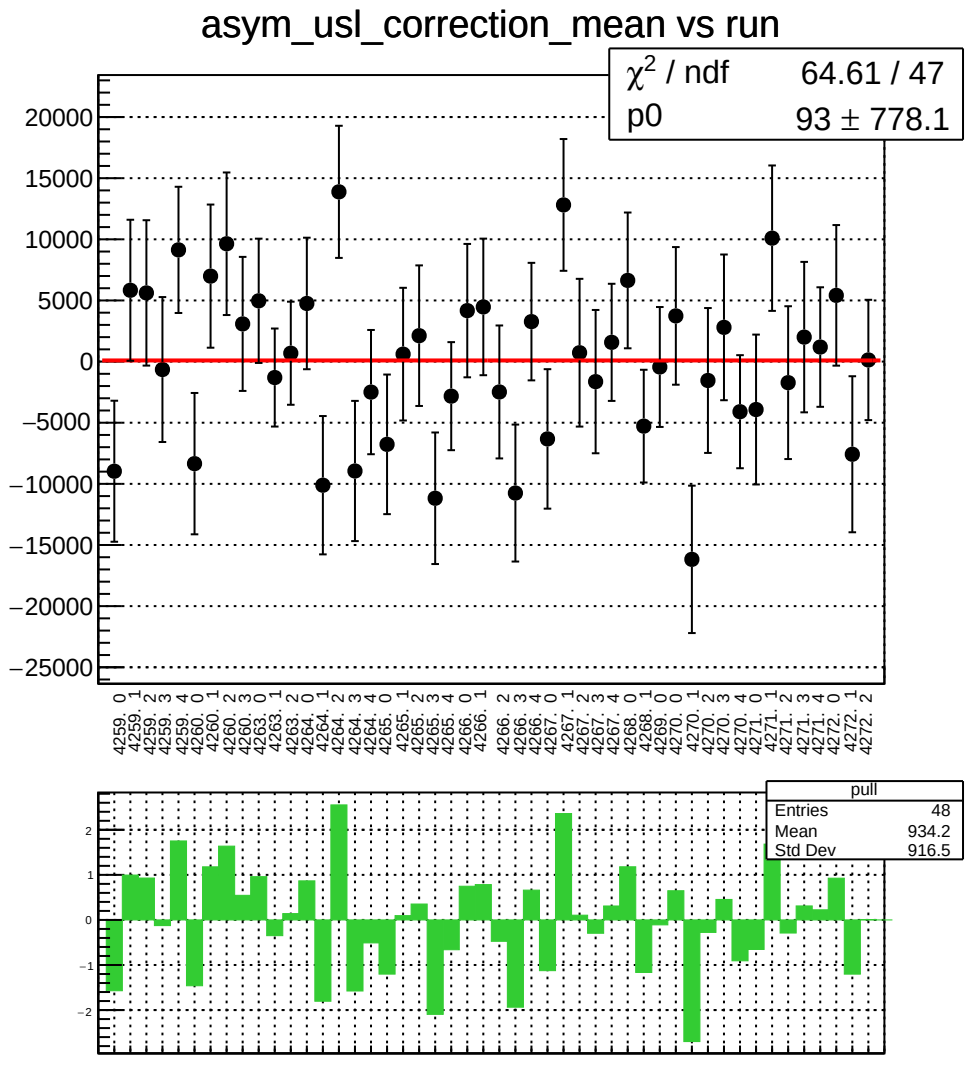

pull1D
Entries 48
Mean 0.01014
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

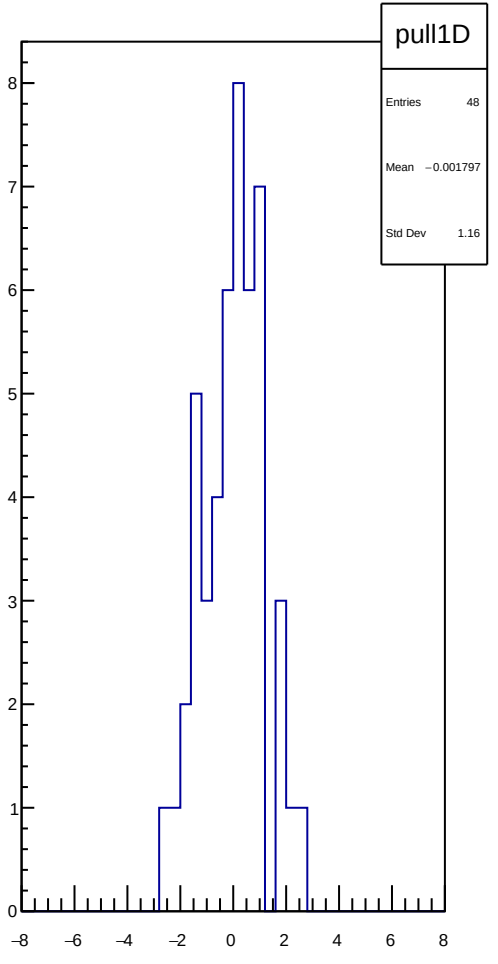

asym_ds_dd_rms vs run
χ² / ndf 1196 / 47
p0 411.5 ± 0.418
480
460
440
420
400
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

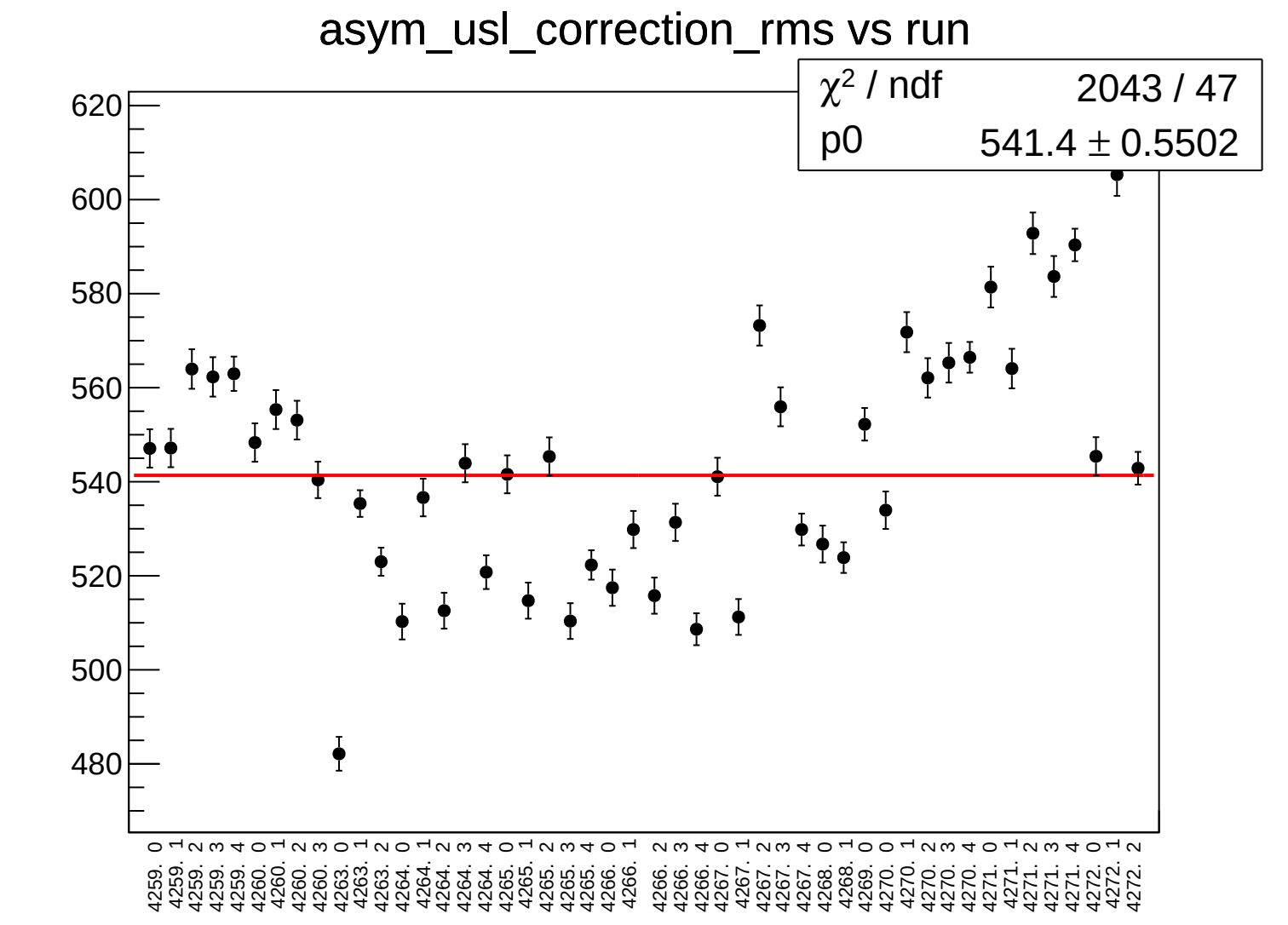

reg_asym_usl_mean vs run
χ² / ndf 40.08 / 47
p0 488.5 ± 202.6
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1226
Std Dev 1252
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

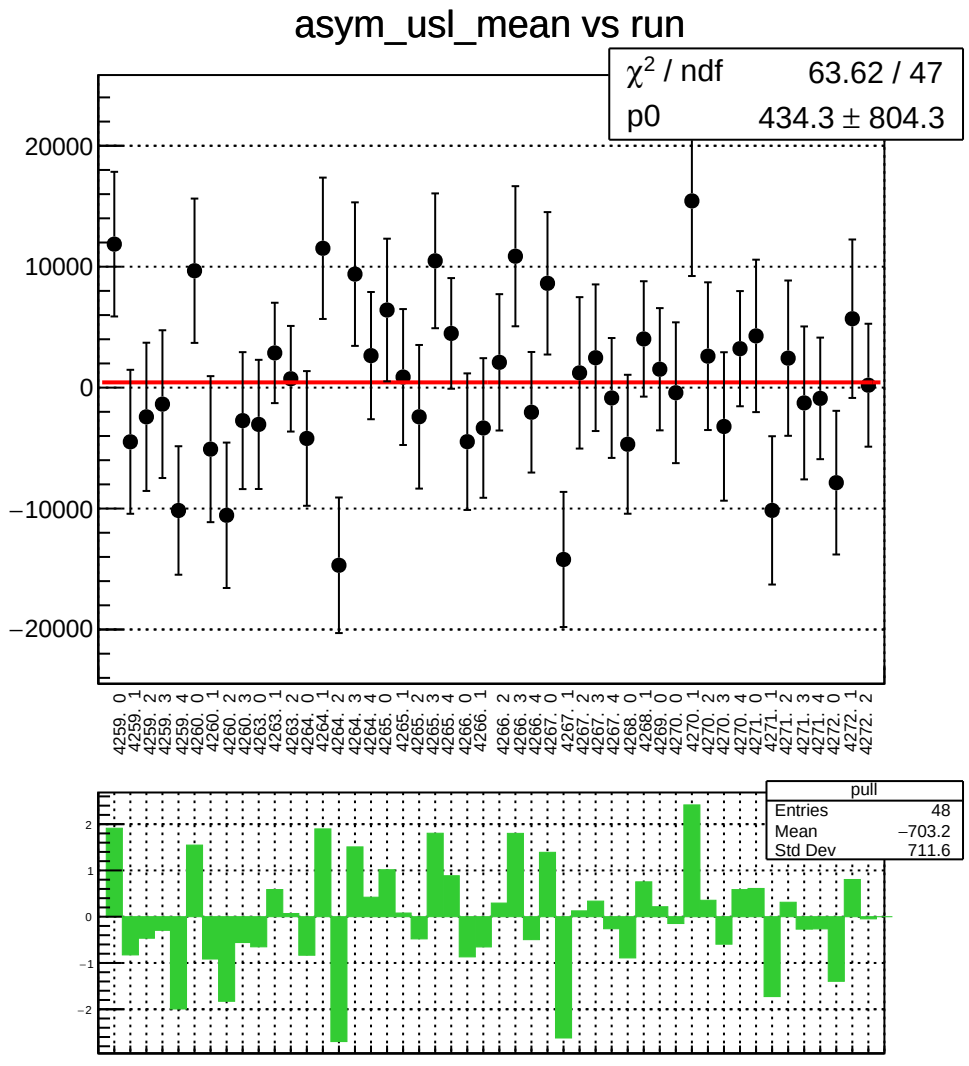

pull1D
Entries 48
Mean 0.002655
Std Dev 0.9138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

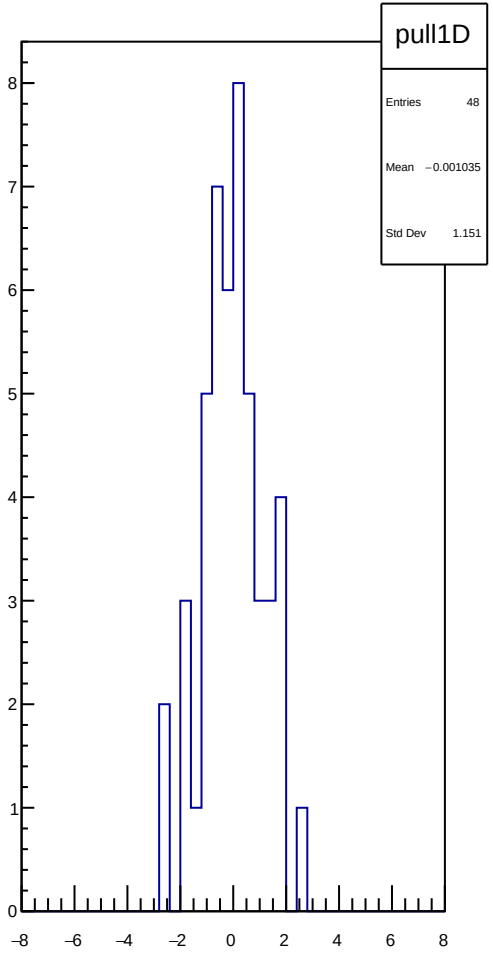

reg_asym_usl_rms vs run
χ² / ndf 543.1 / 47
p0 141.1 ± 0.1433
155
150
145
140
135
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

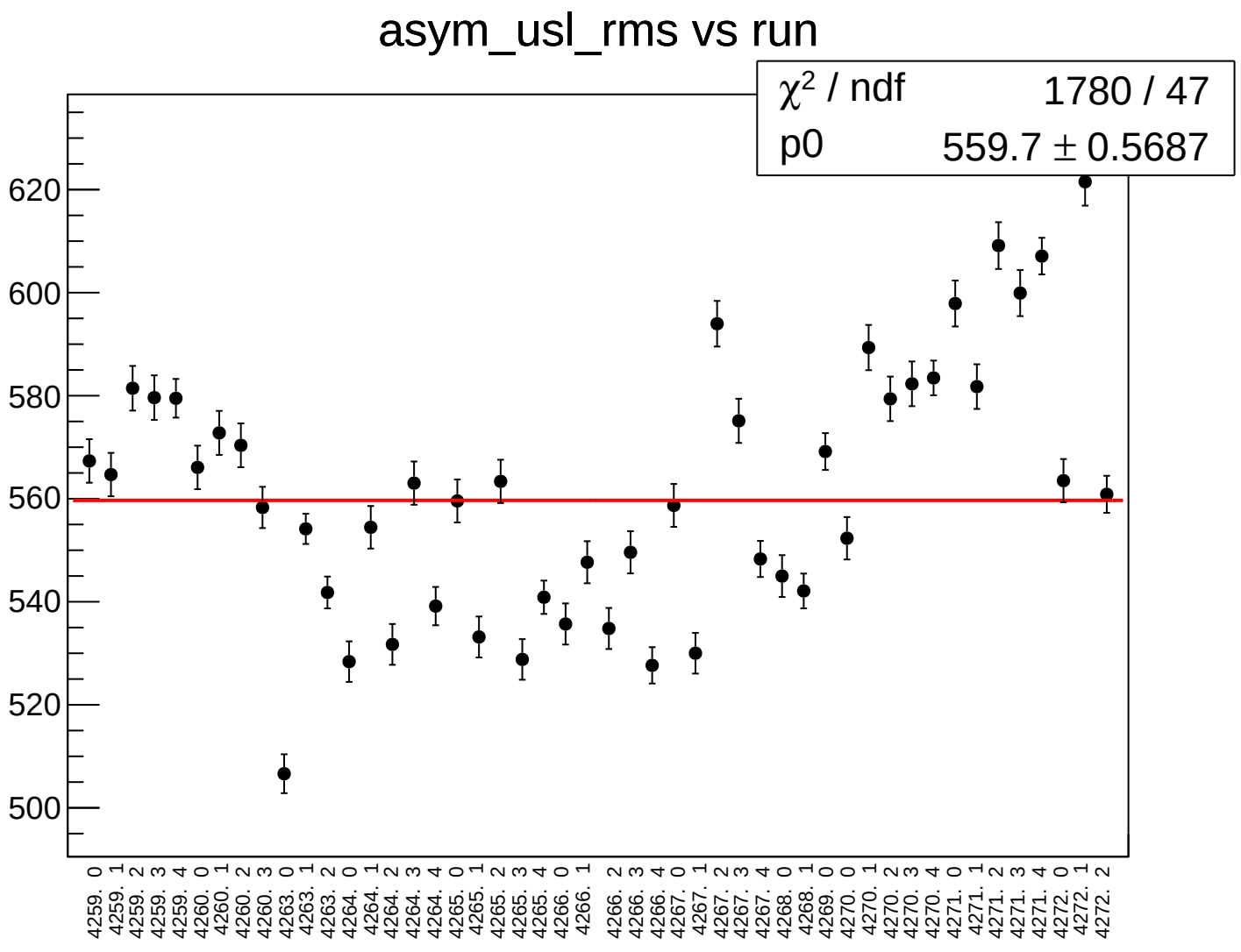

asym_usl_correction_mean vs run
χ² / ndf 64.61 / 47
p0 93 ± 778.1
pull
Entries 48
Mean 934.2
Std Dev 916.5

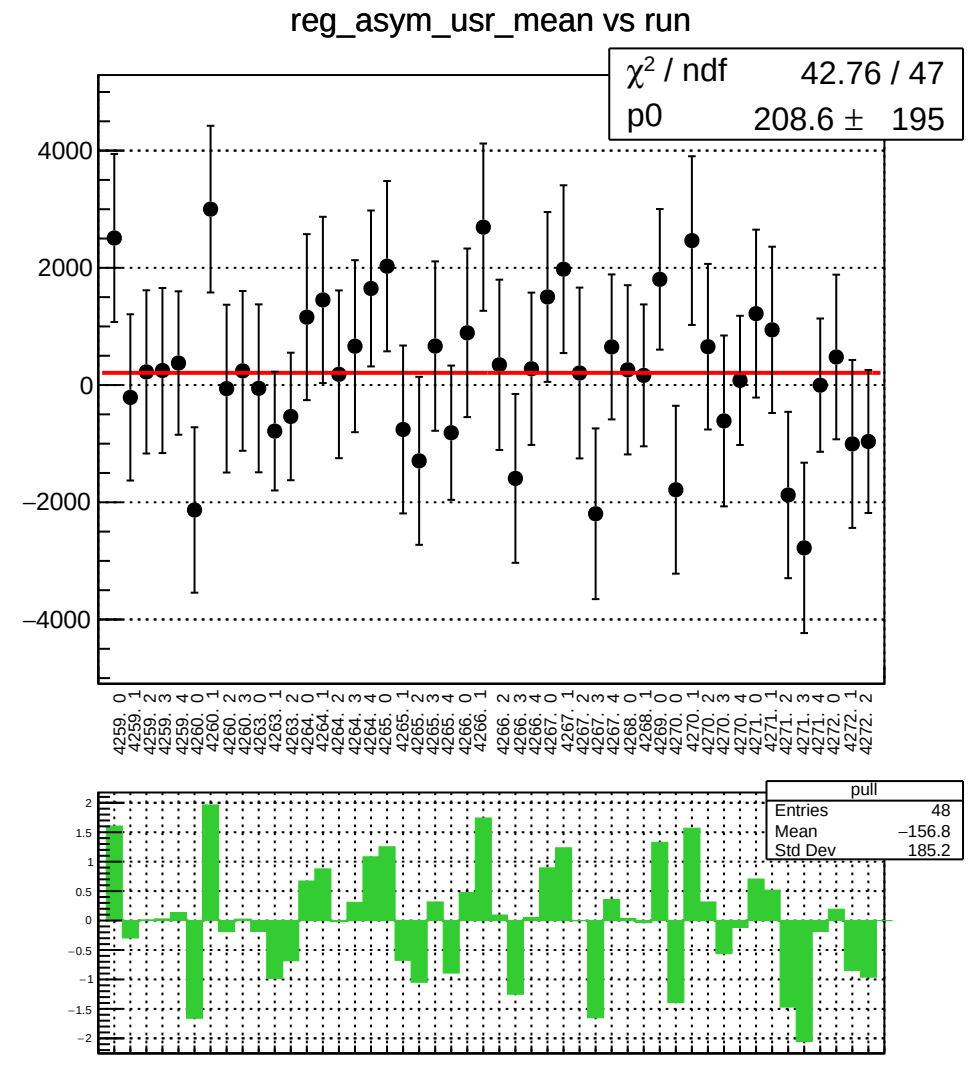

pull1D
Entries 48
Mean −0.001797
Std Dev 1.16

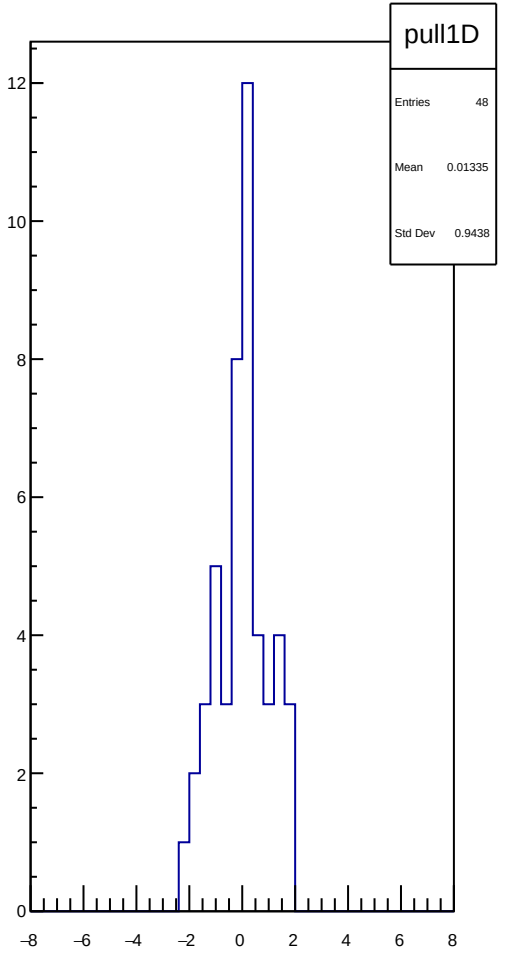

asym_usl_correction_rms vs run
χ² / ndf 2043 / 47
p0 541.4 ± 0.5502
620
600
580
560
540
520
500
480
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

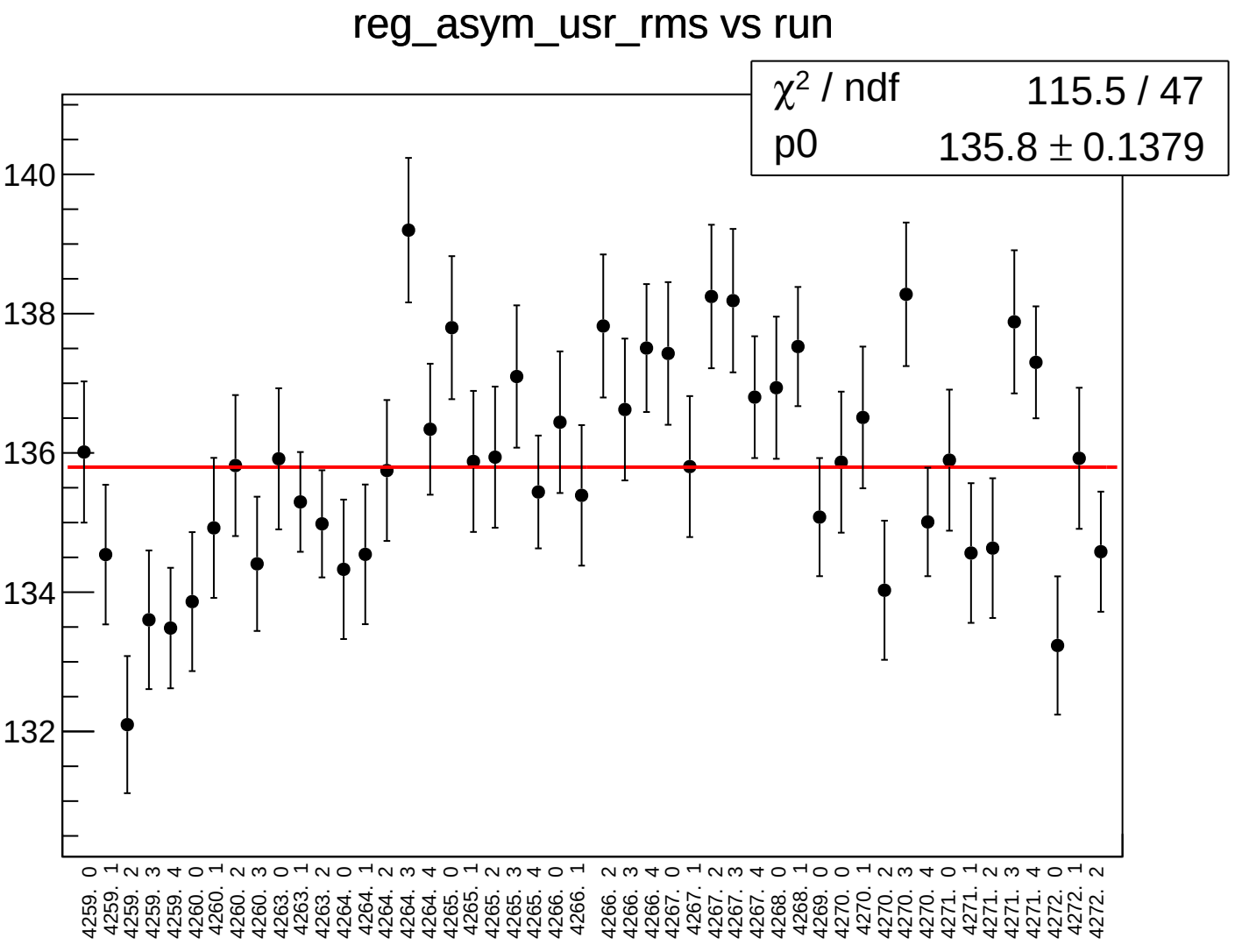

asym_usl_mean vs run
χ² / ndf 63.62 / 47
p0 434.3 ± 804.3
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −703.2
Std Dev 711.6
2
1
0
−1
−2

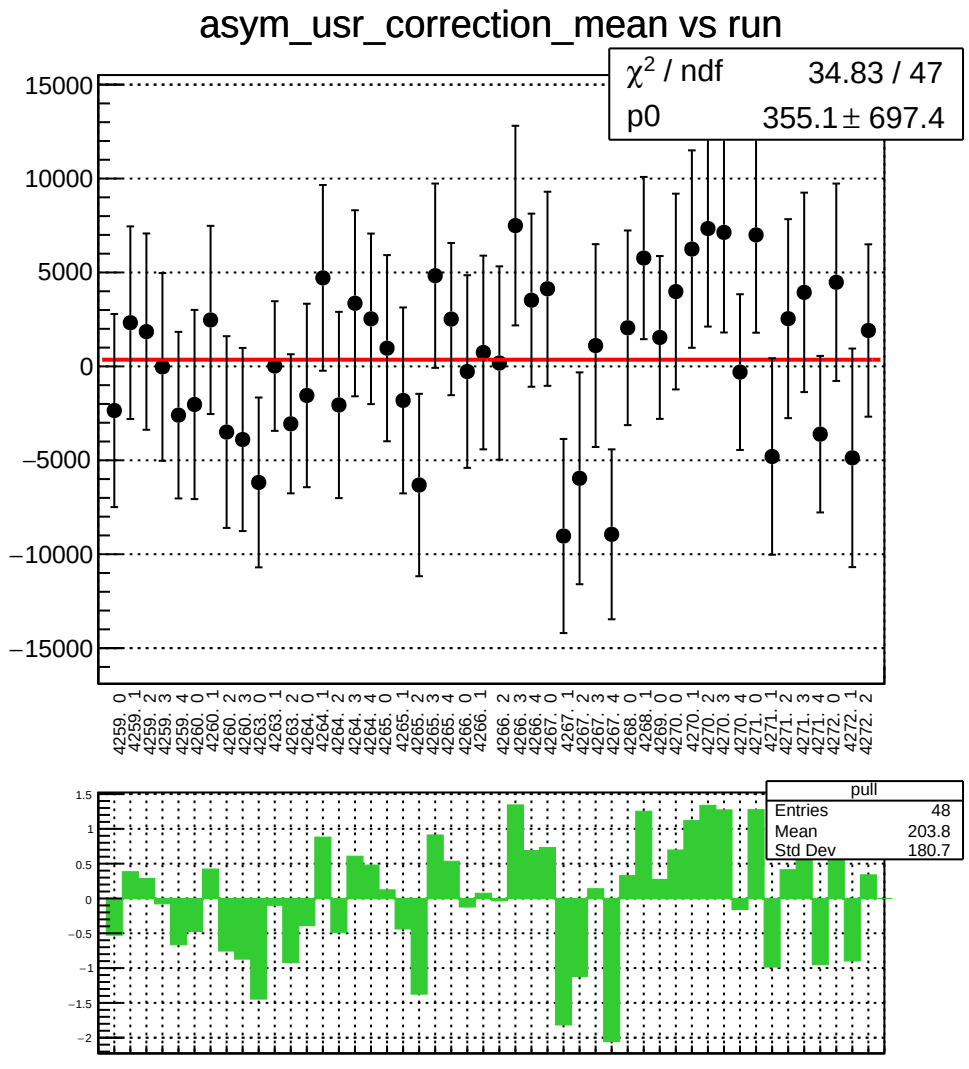

pull1D
Entries 48
Mean −0.001035
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

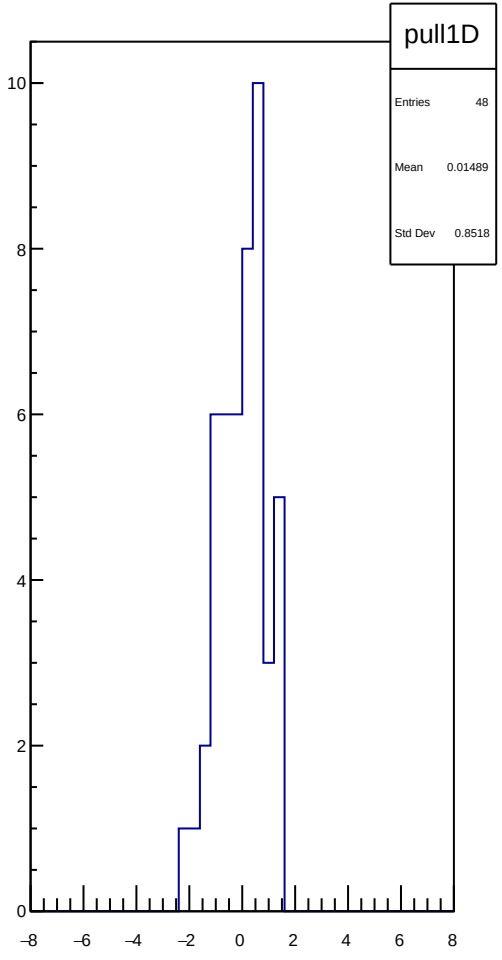

asym_usl_rms vs run
χ² / ndf 1780 / 47
p0 559.7 ± 0.5687
620
600
580
560
540
520
500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

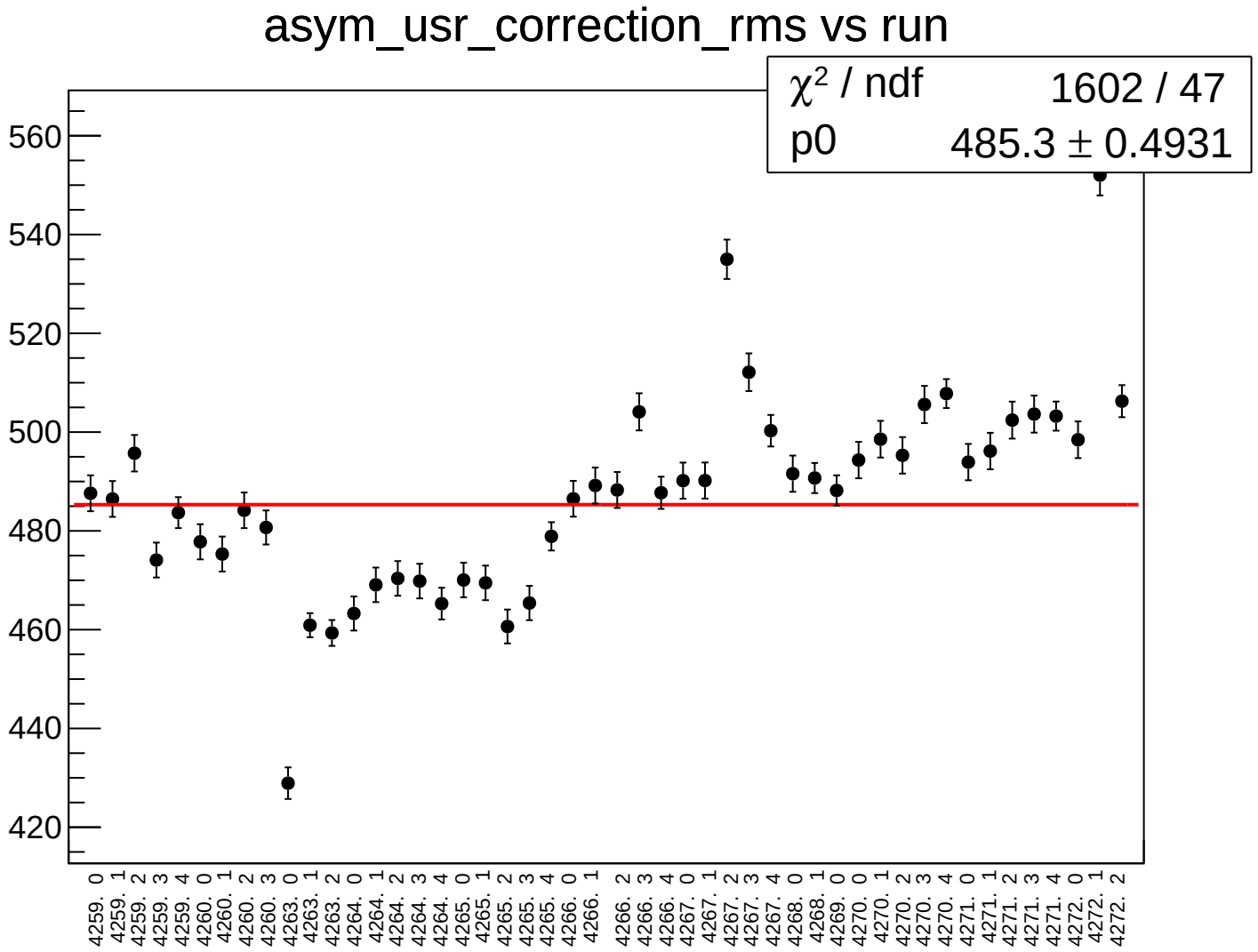

reg_asym_usr_mean vs run
χ² / ndf 42.76 / 47
p0 208.6 ± 195
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −156.8
Std Dev 185.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

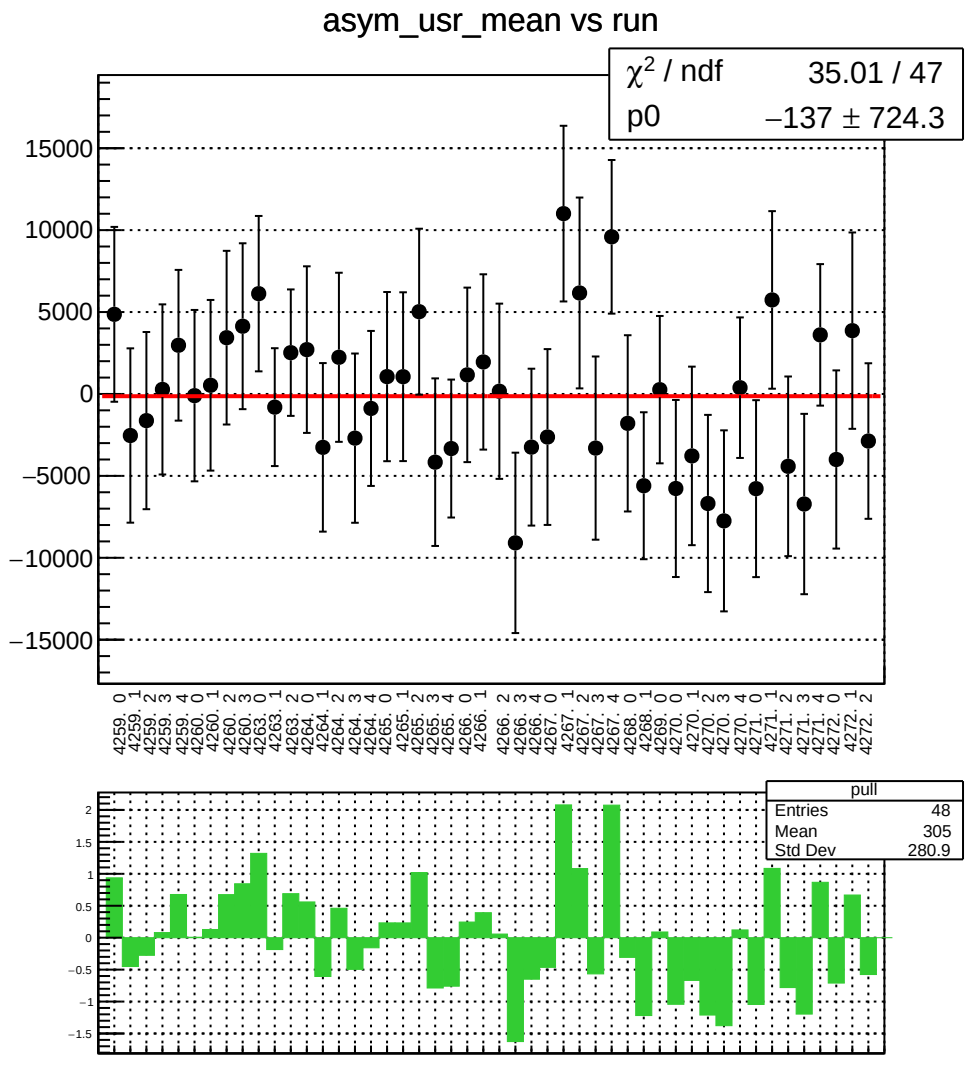

pull1D
Entries 48
Mean 0.01335
Std Dev 0.9438
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

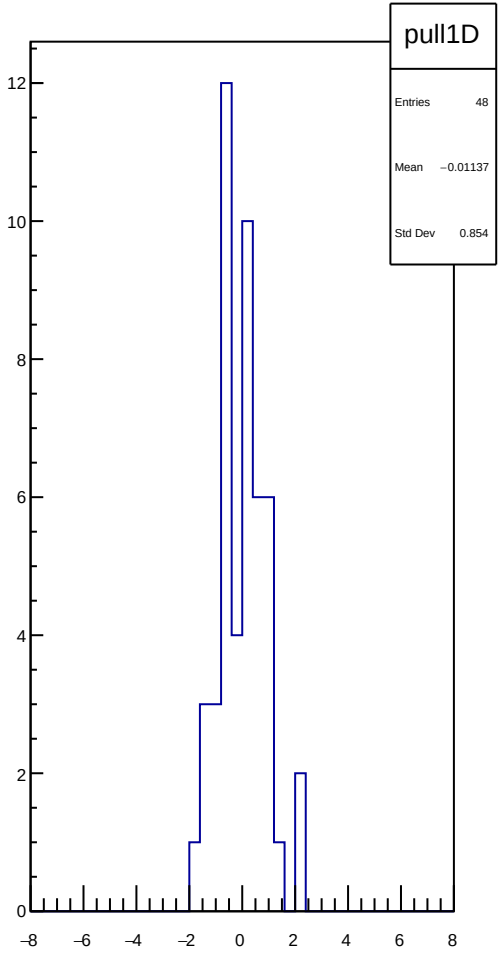

reg_asym_usr_rms vs run
χ² / ndf 115.5 / 47
p0 135.8 ± 0.1379
140
138
136
134
132
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

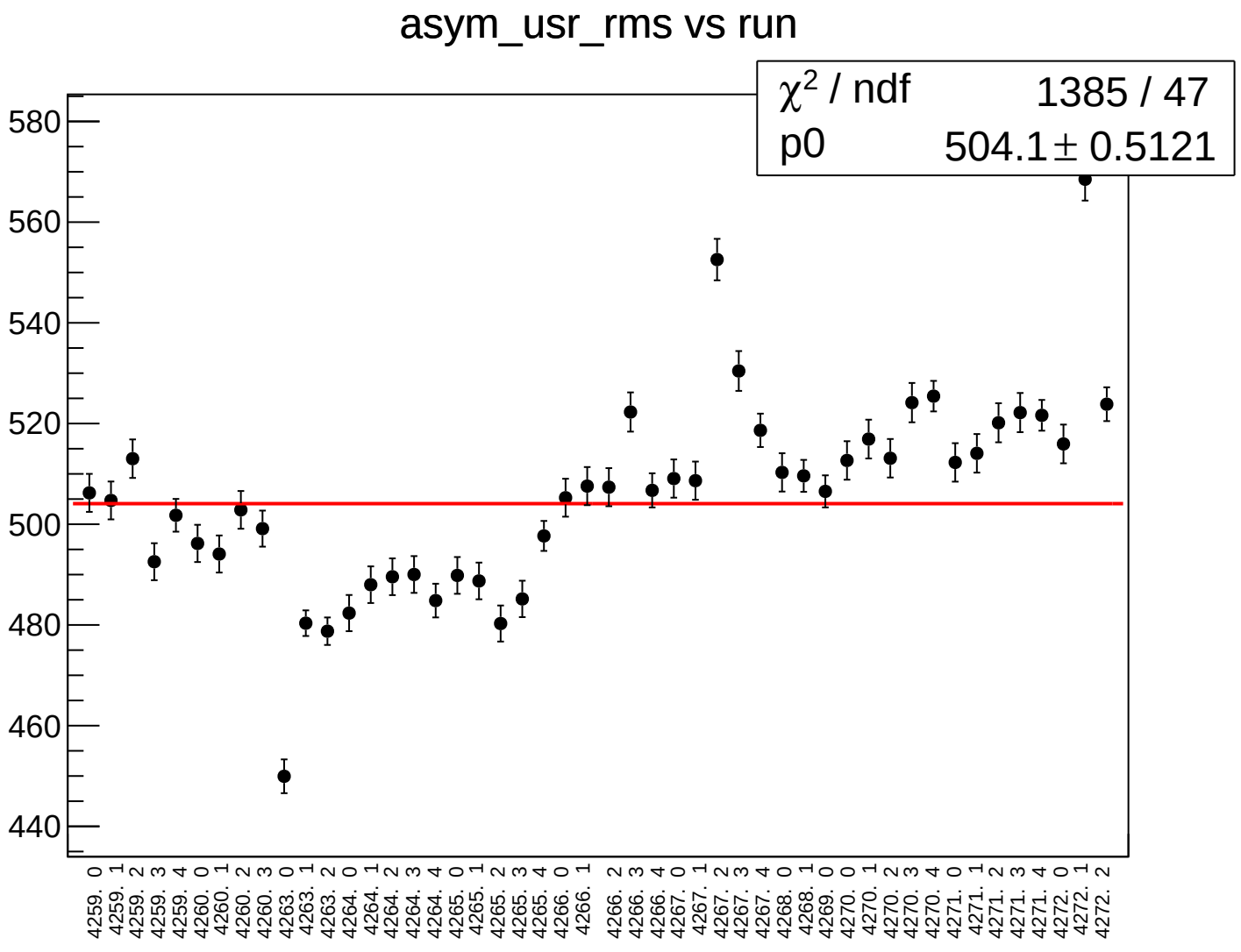

asym_usr_correction_mean vs run
χ² / ndf 34.83 / 47
p0 355.1 ± 697.4
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 203.8
Std Dev 180.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

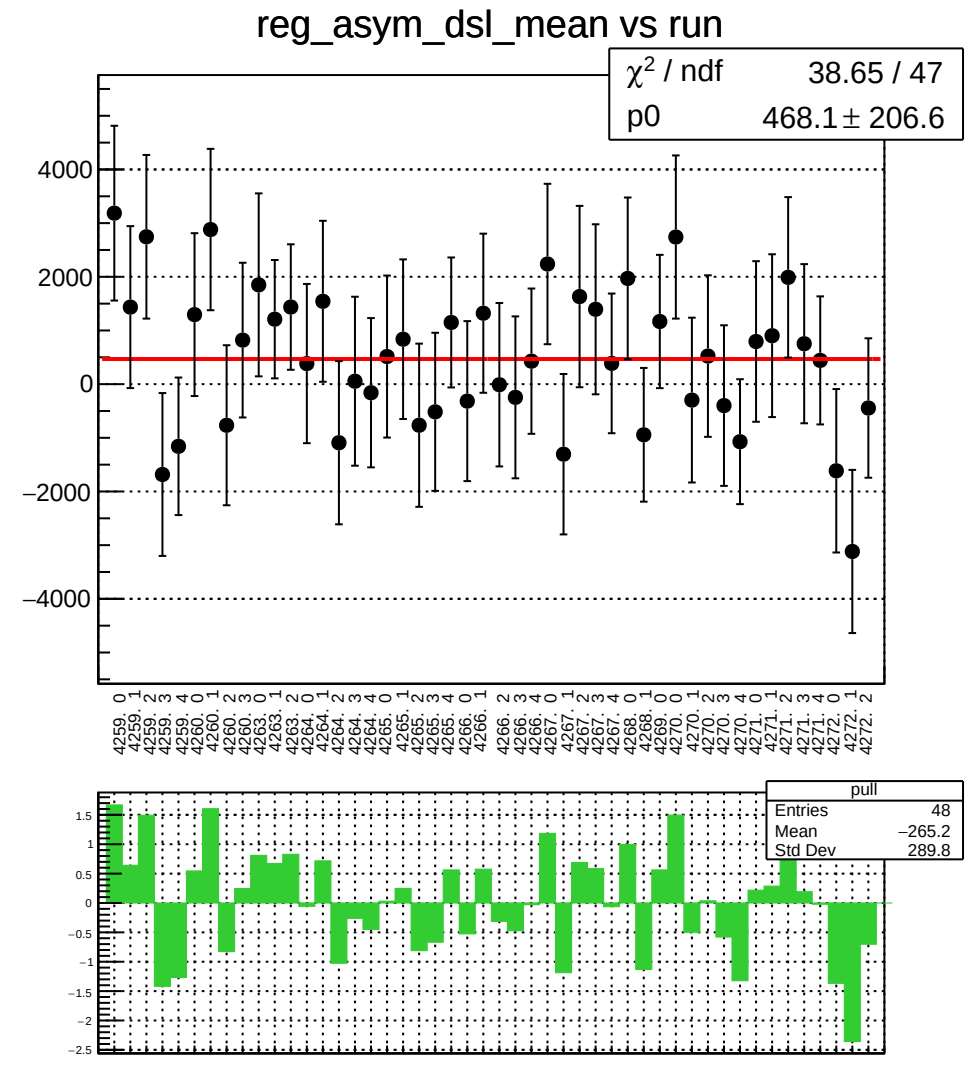

pull1D
Entries 48
Mean 0.01489
Std Dev 0.8518
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

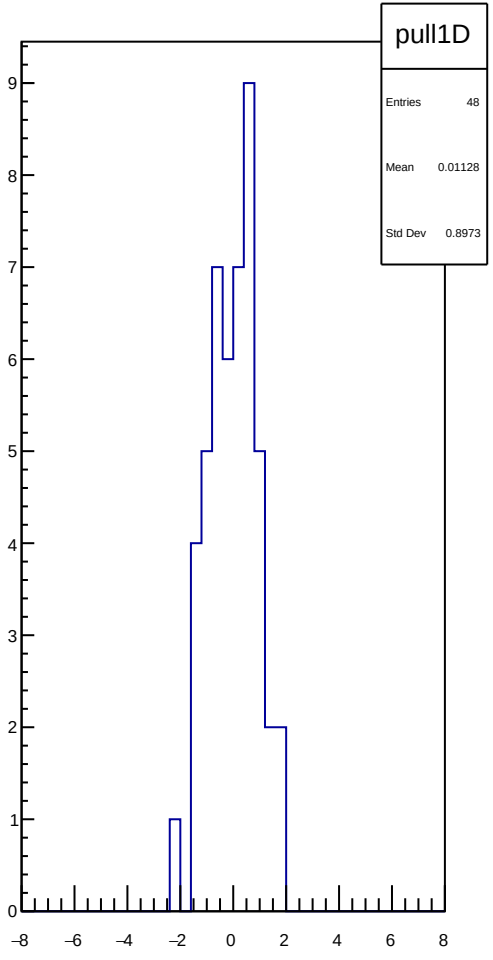

asym_usr_correction_rms vs run
χ² / ndf 1602 / 47
p0 485.3 ± 0.4931
560
540
520
500
480
460
440
420
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

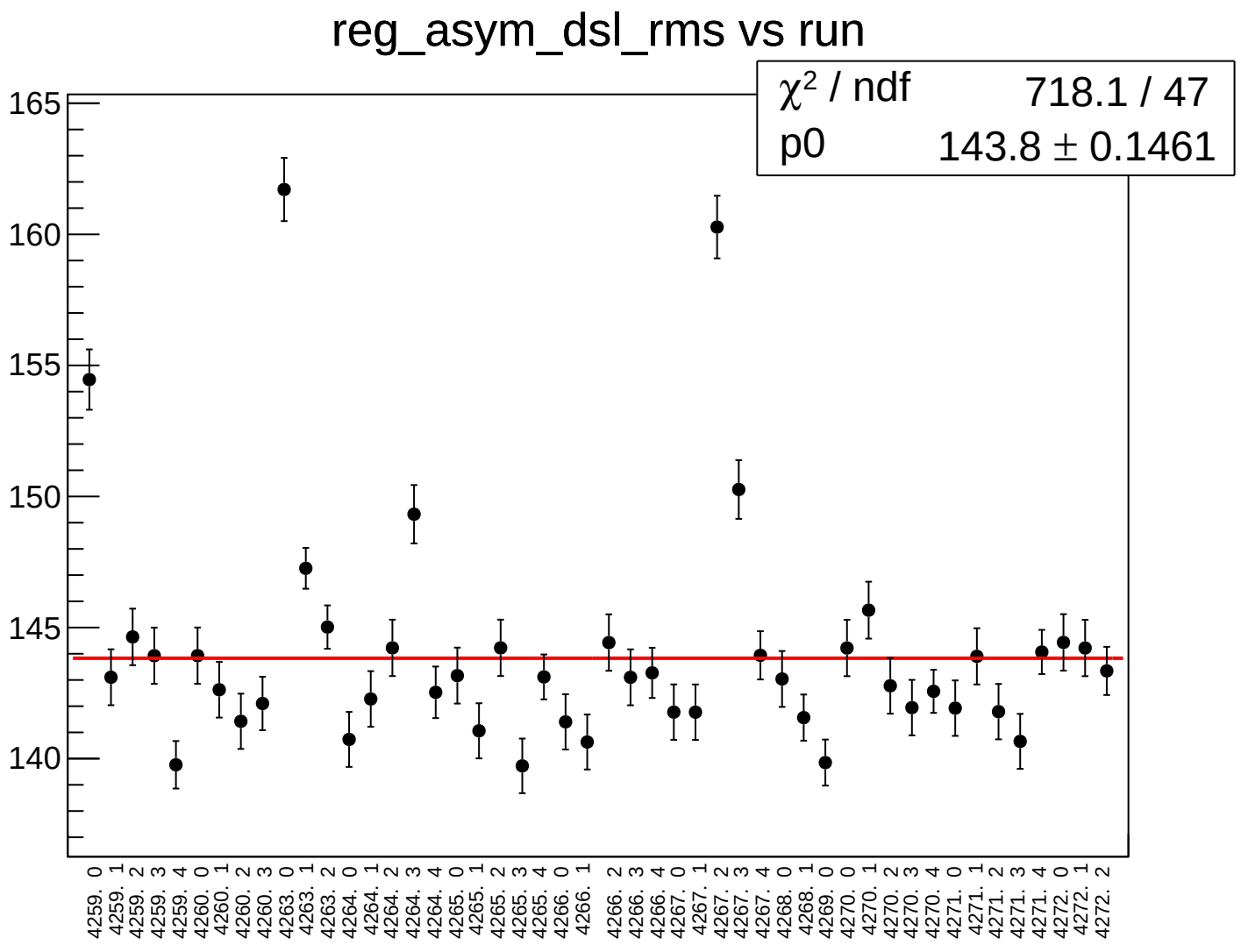

asym_usr_mean vs run
χ² / ndf 35.01 / 47
p0 −137 ± 724.3
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 305
Std Dev 280.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

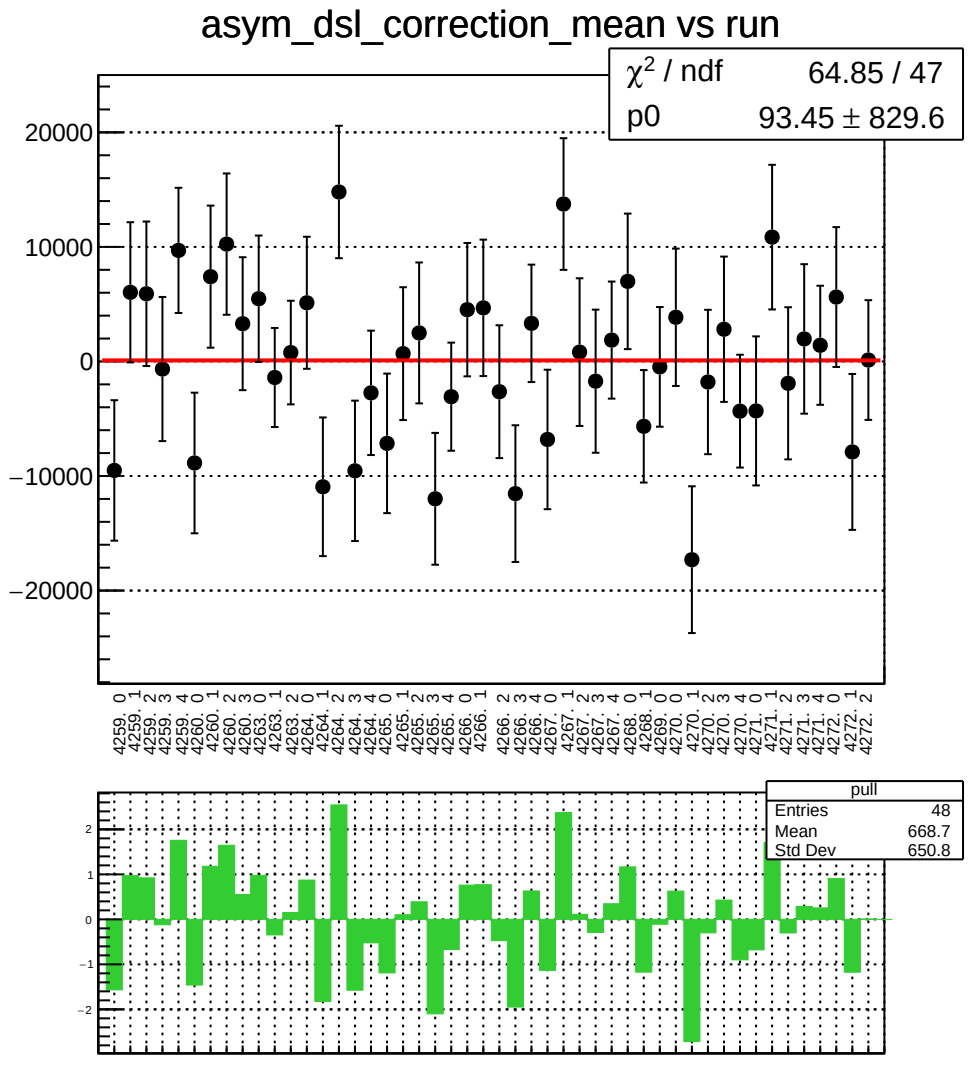

pull1D
Entries 48
Mean −0.01137
Std Dev 0.854
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

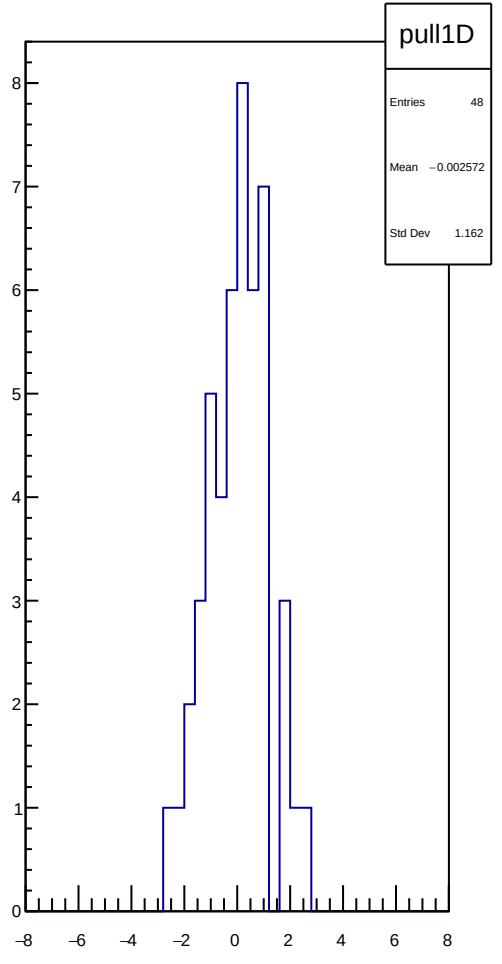

asym_usr_rms vs run
χ^2 / ndf 1385 / 47
p0 504.1 ± 0.5121
580
560
540
520
500
480
460
440
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

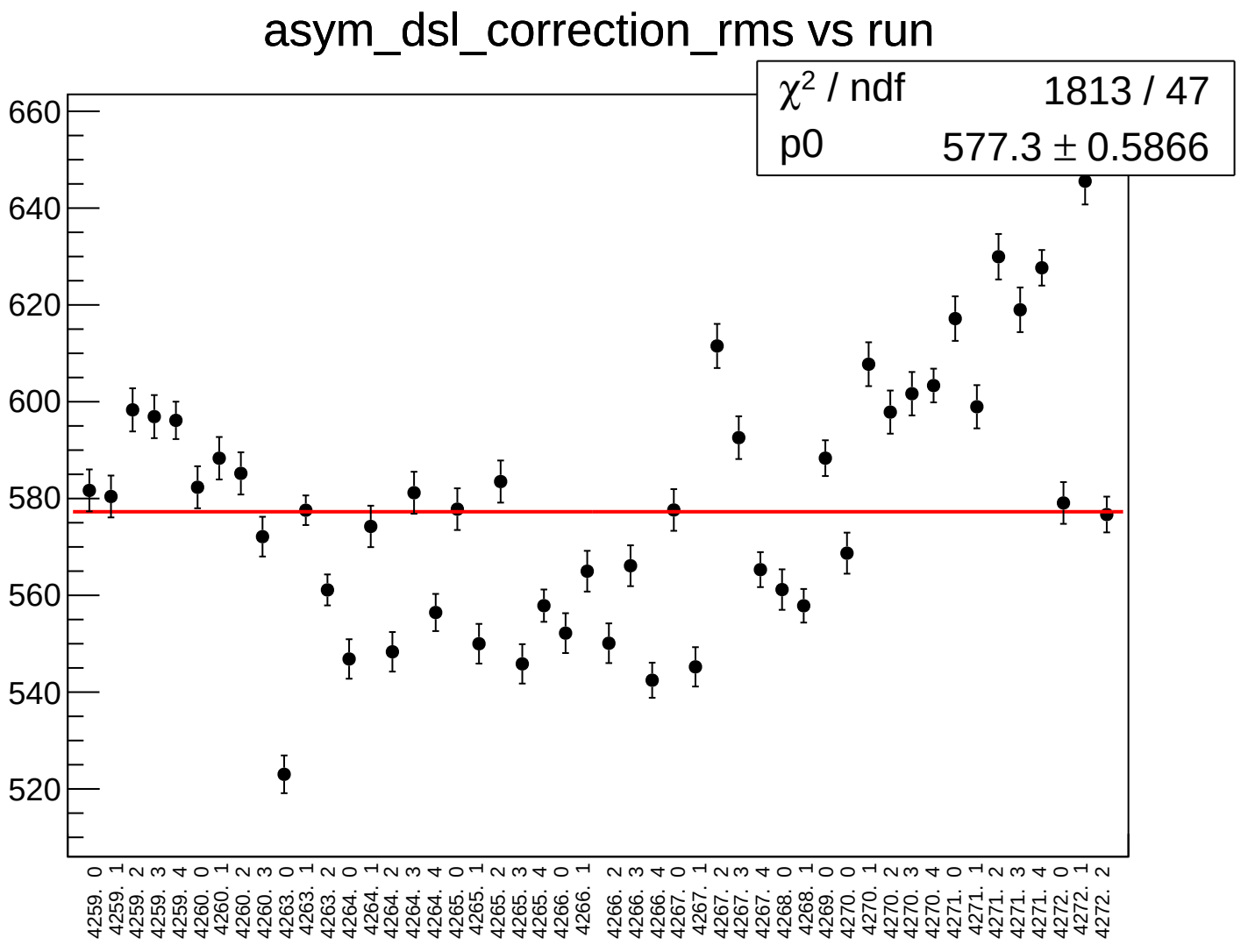

reg_asym_dsl_mean vs run
χ² / ndf 38.65 / 47
p0 468.1 ± 206.6
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −265.2
Std Dev 289.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

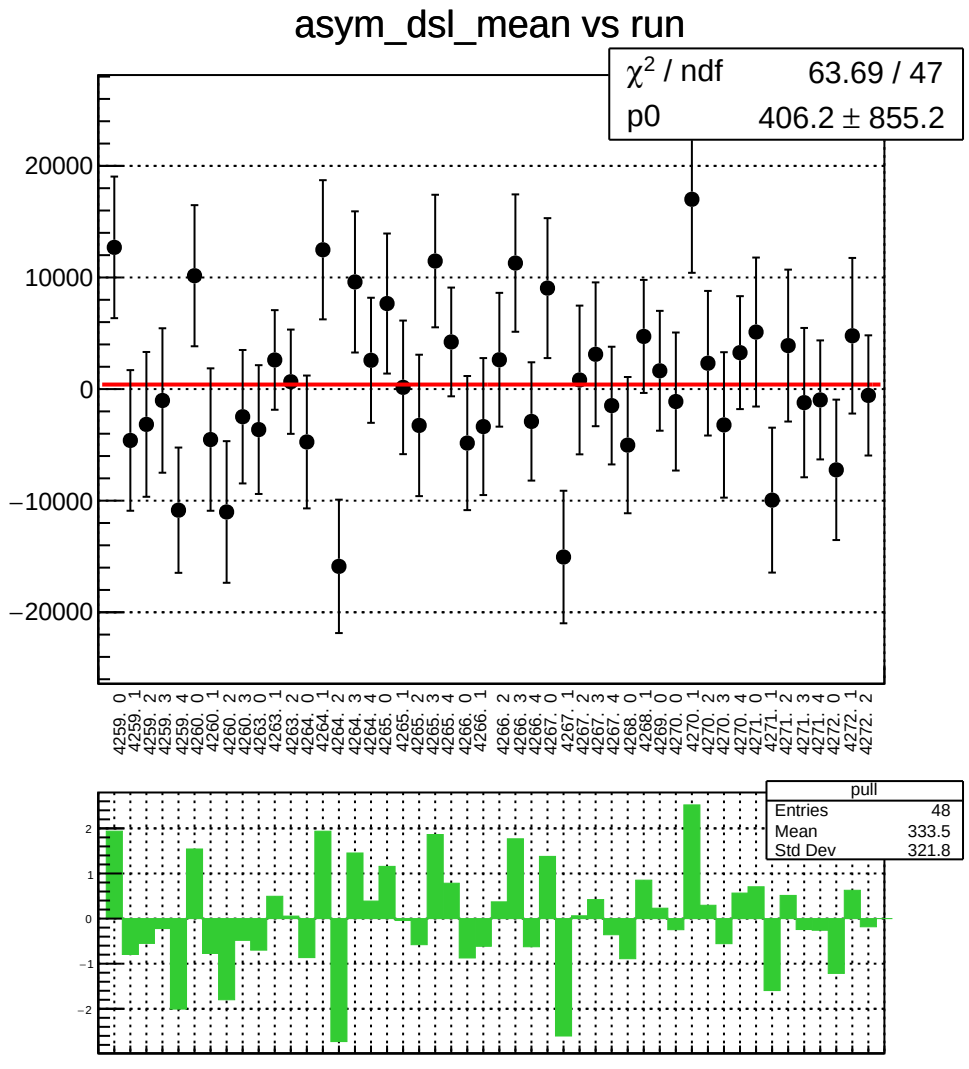

pull1D
Entries 48
Mean 0.01128
Std Dev 0.8973
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

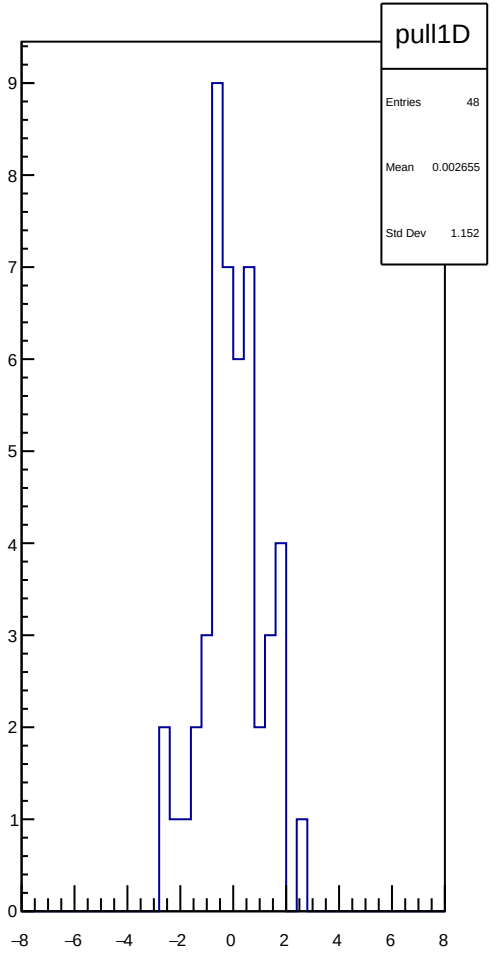

reg_asym_dsl_rms vs run
χ² / ndf 718.1 / 47
p0 143.8 ± 0.1461
165
160
155
150
145
140
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

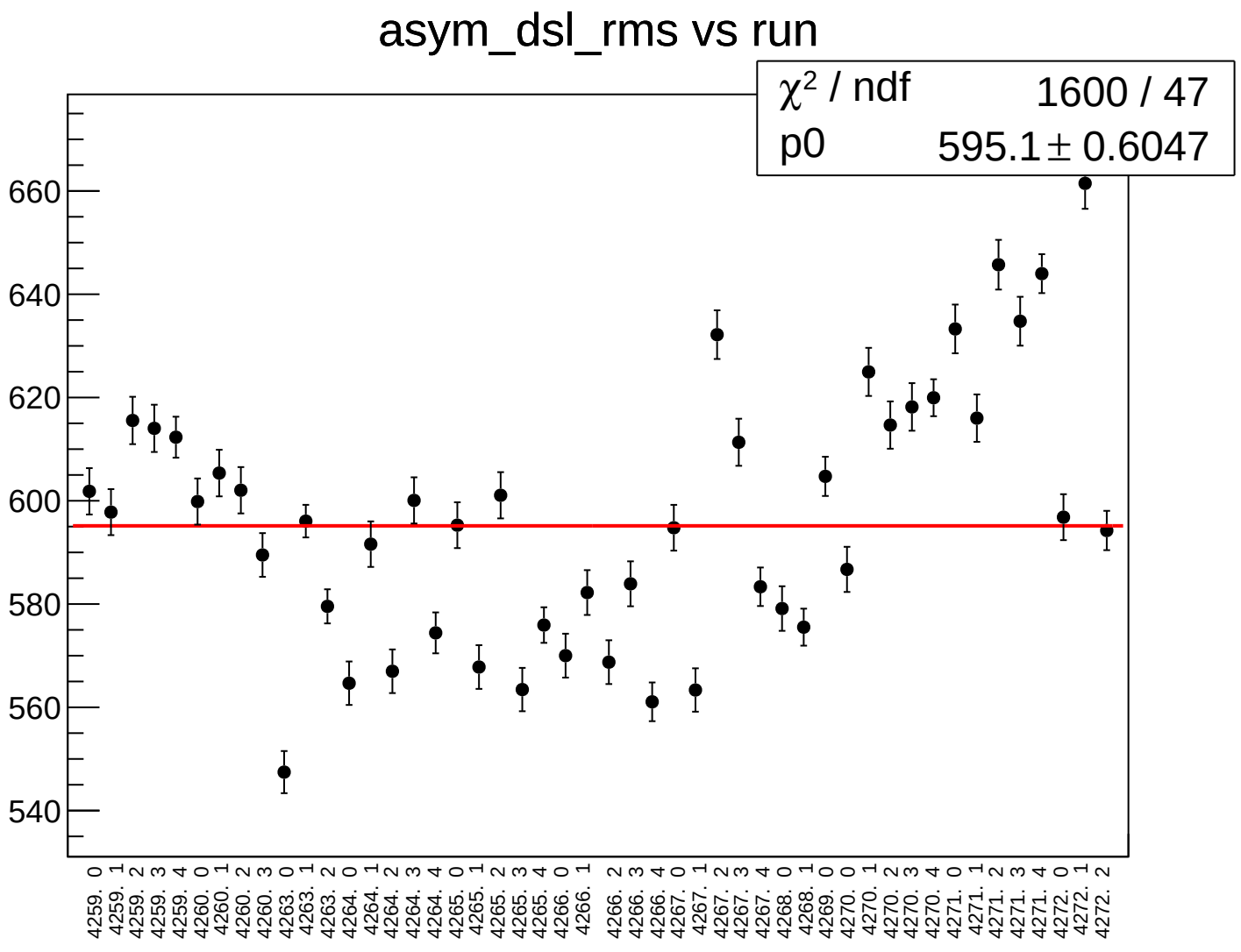

asym_dsl_correction_mean vs run
χ² / ndf 64.85 / 47
p0 93.45 ± 829.6
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 668.7
Std Dev 650.8
2
1
0
−1
−2

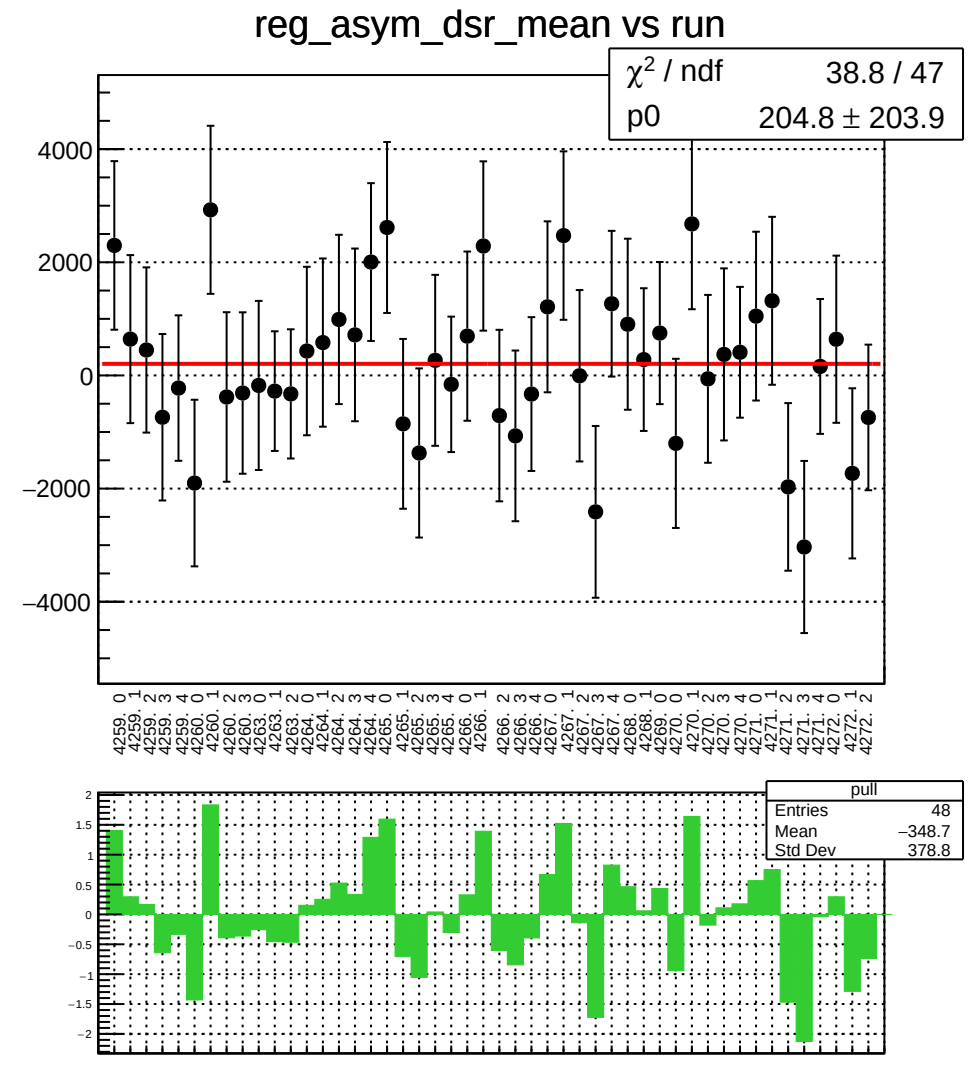

pull1D
Entries 48
Mean −0.002572
Std Dev 1.162
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

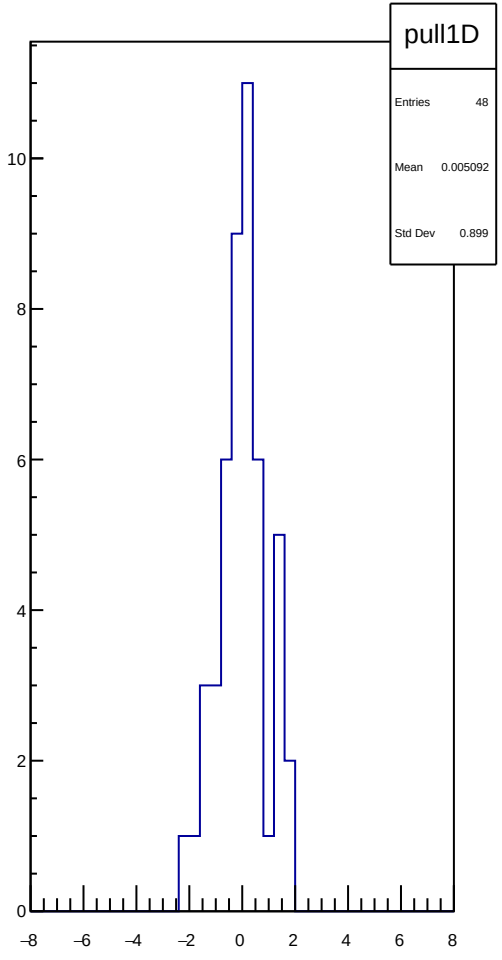

asym_dsl_correction_rms vs run
χ² / ndf 1813 / 47
p0 577.3 ± 0.5866
660
640
620
600
580
560
540
520
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

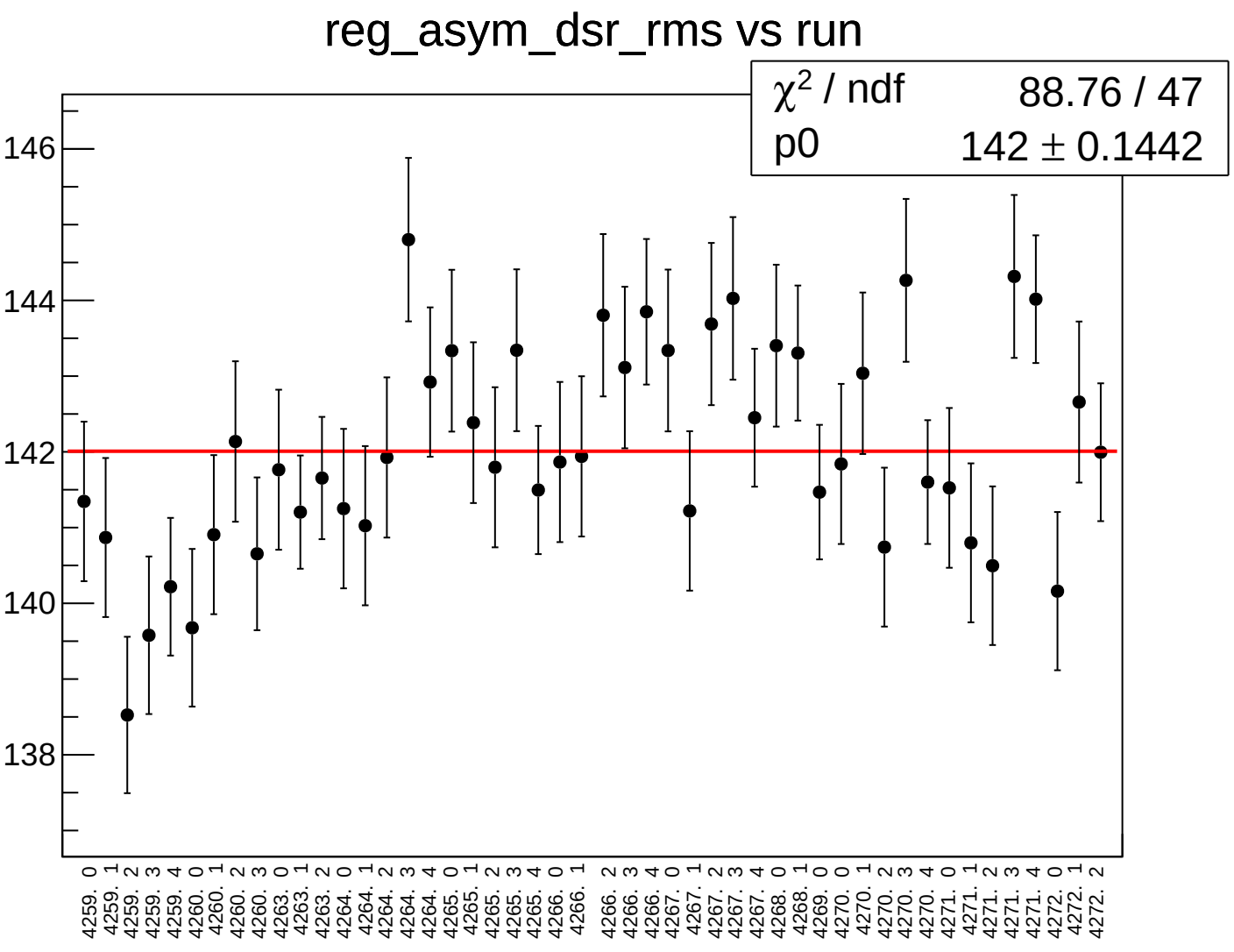

asym_dsl_mean vs run
χ² / ndf 63.69 / 47
p0 406.2 ± 855.2
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 333.5
Std Dev 321.8
2
1
0
−1
−2

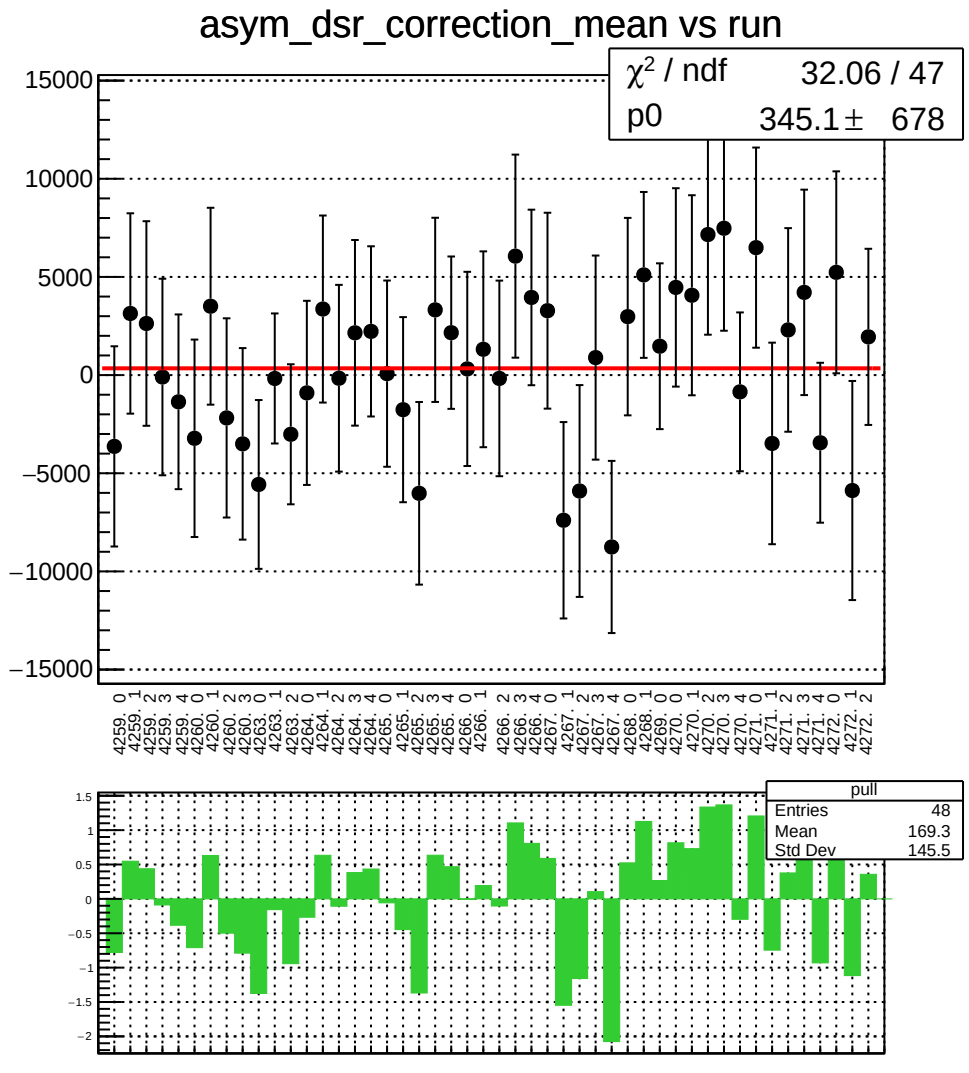

pull1D
Entries 48
Mean 0.002655
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

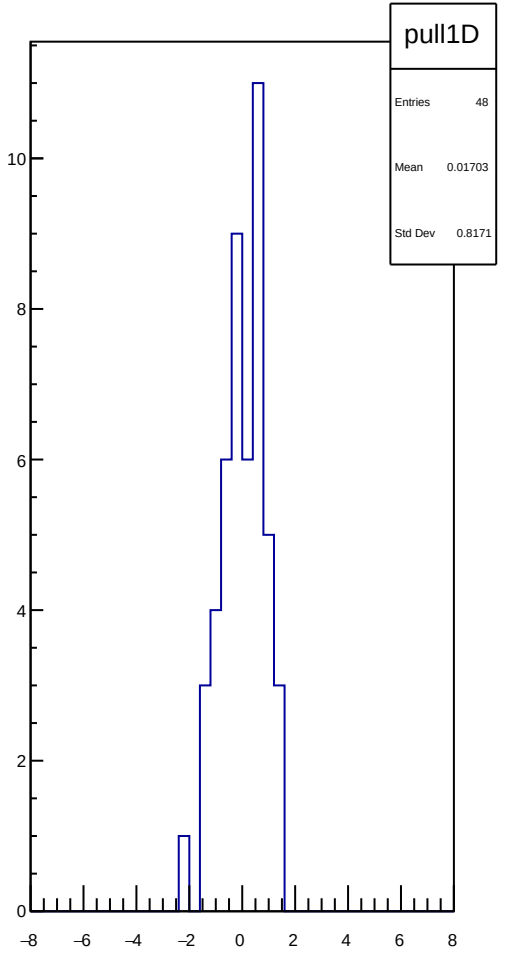

asym_dsl_rms vs run
χ² / ndf 1600 / 47
p0 595.1 ± 0.6047
660
640
620
600
580
560
540
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

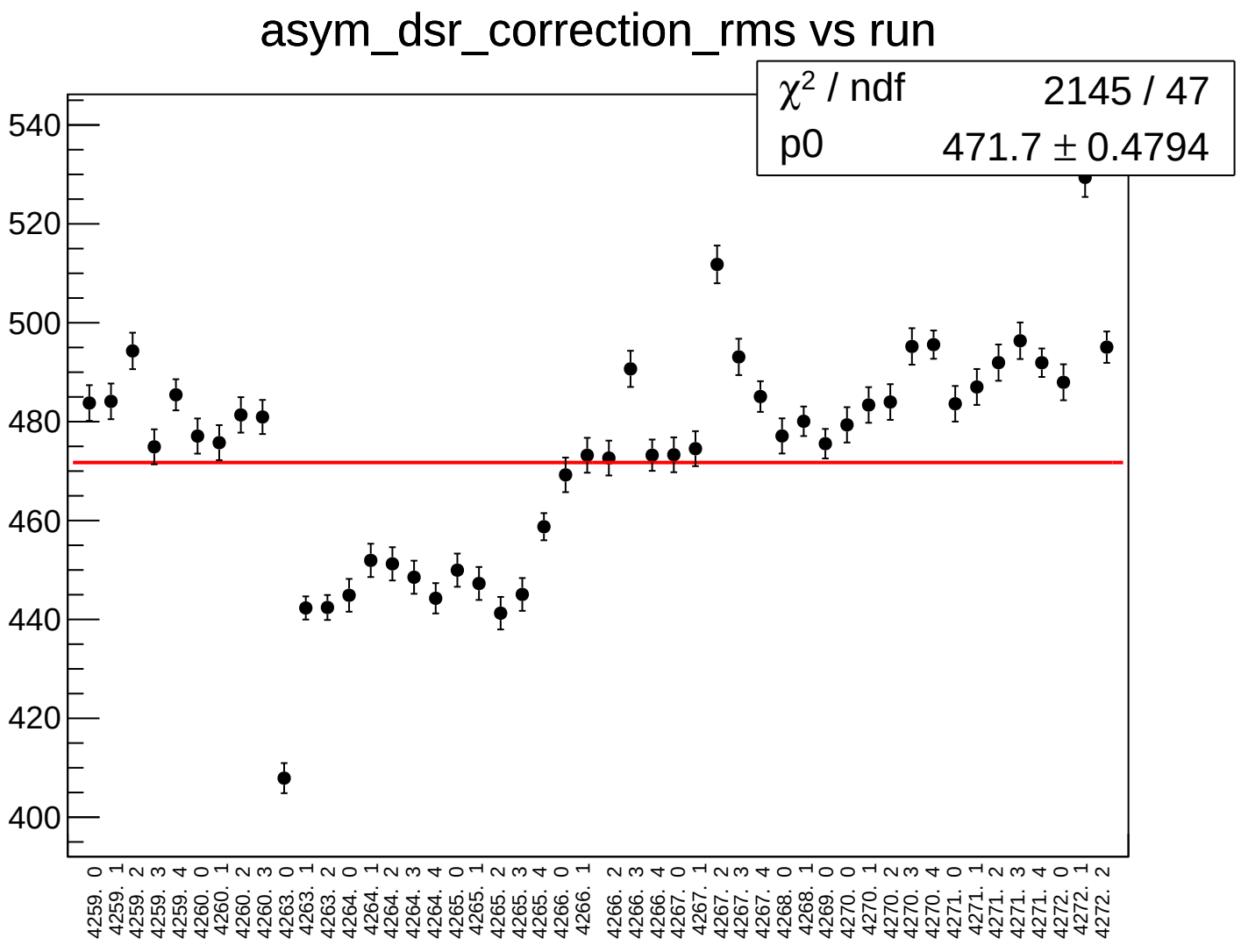

reg_asym_dsr_mean vs run
χ² / ndf 38.8 / 47
p0 204.8 ± 203.9
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −348.7
Std Dev 378.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

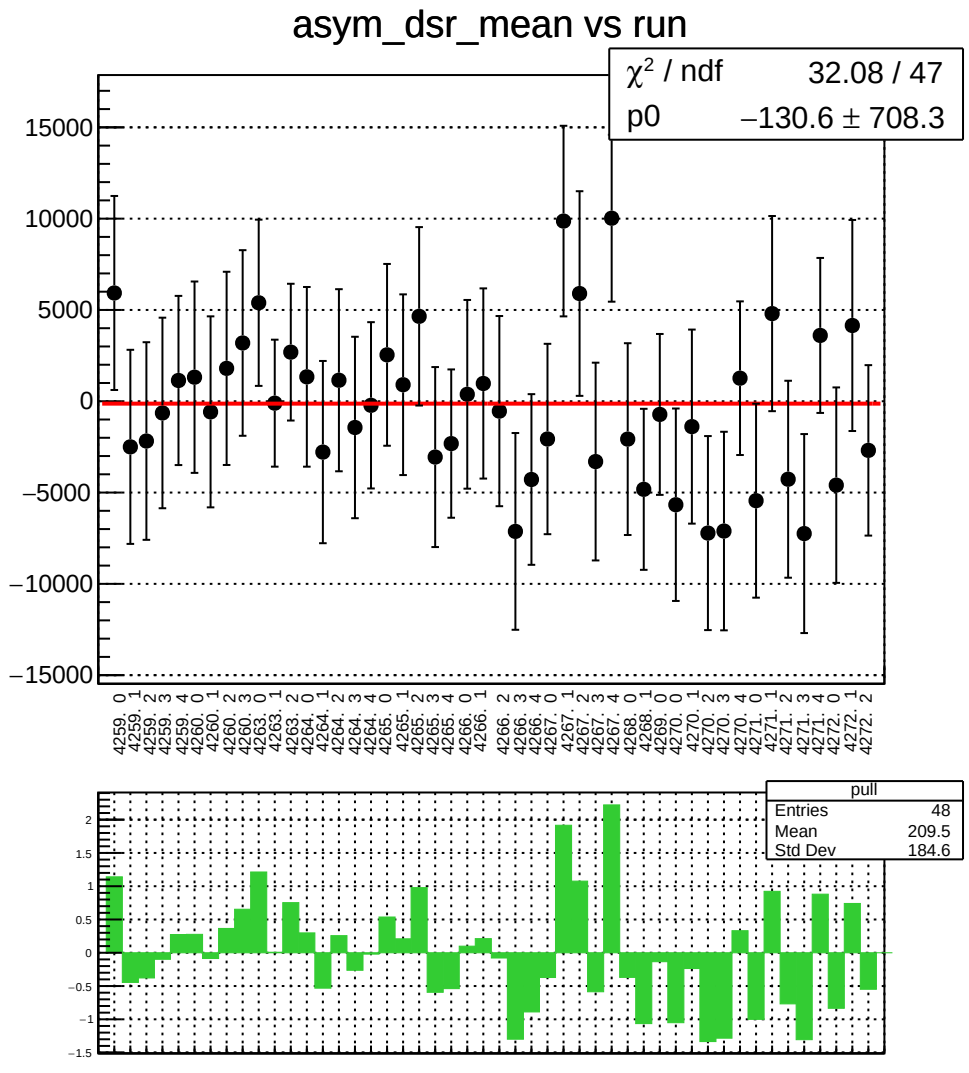

pull1D
Entries 48
Mean 0.005092
Std Dev 0.899
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

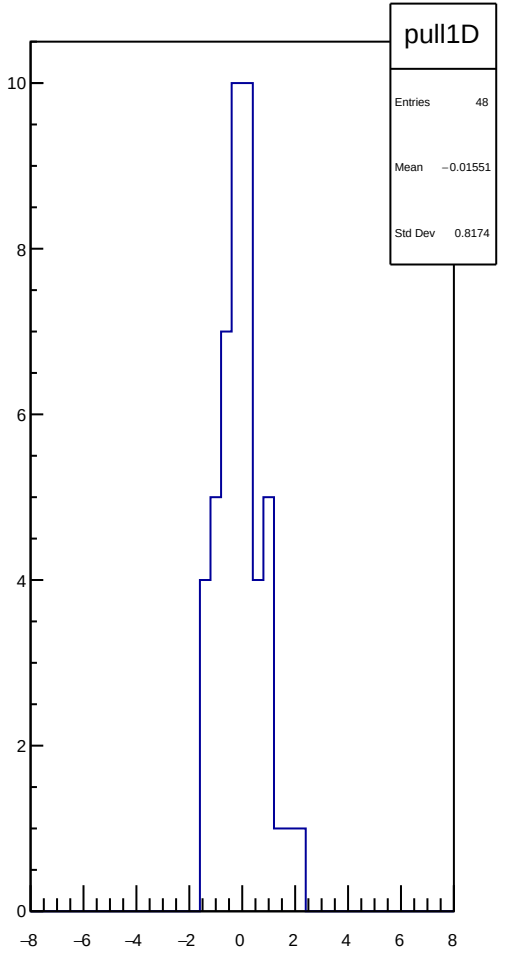

reg_asym_dsr_rms vs run
χ² / ndf 88.76 / 47
p0 142 ± 0.1442
146
144
142
140
138
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

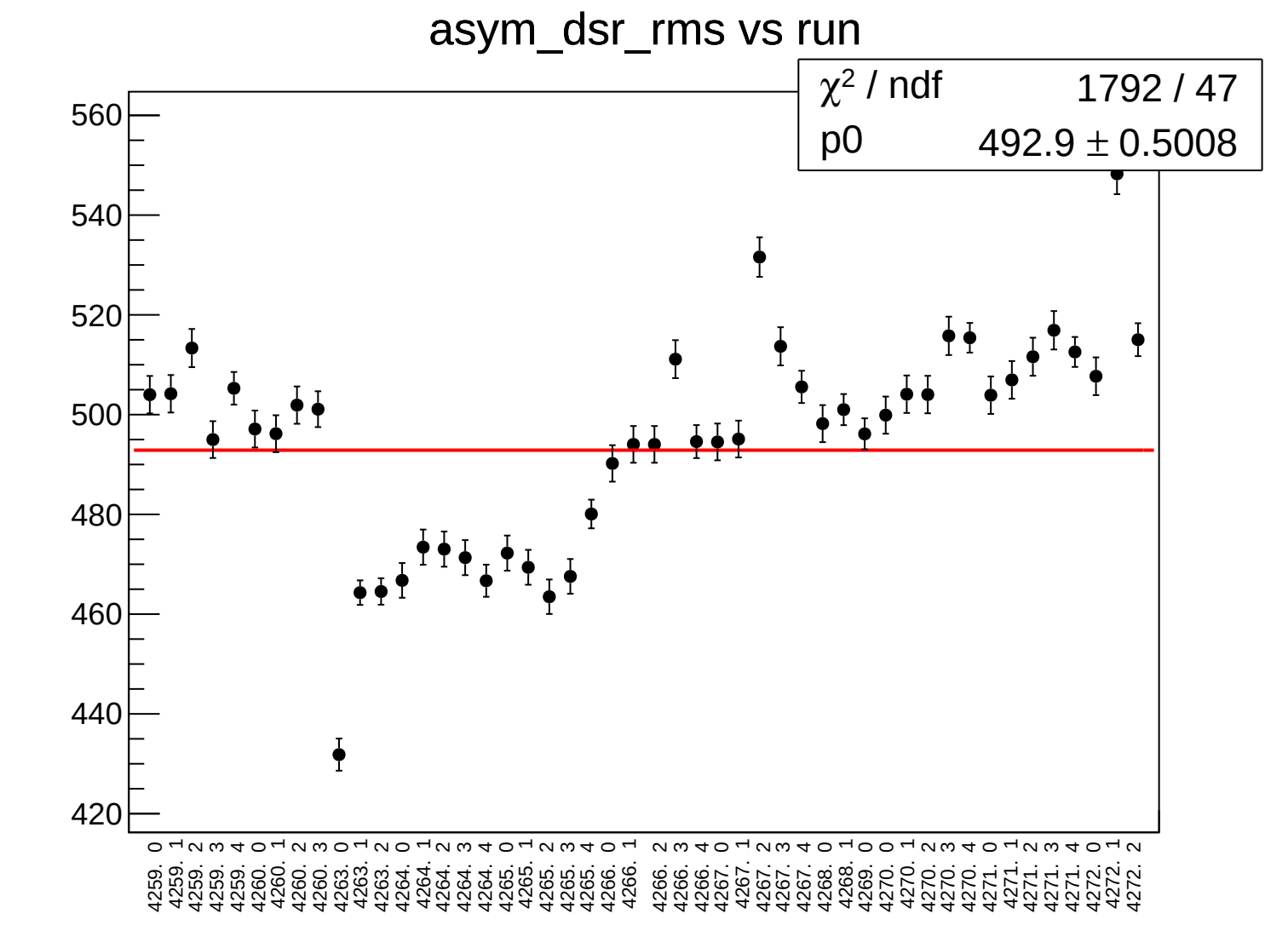

asym_dsr_correction_mean vs run
χ² / ndf 32.06 / 47
p0 345.1 ± 678
pull
Entries 48
Mean 169.3
Std Dev 145.5

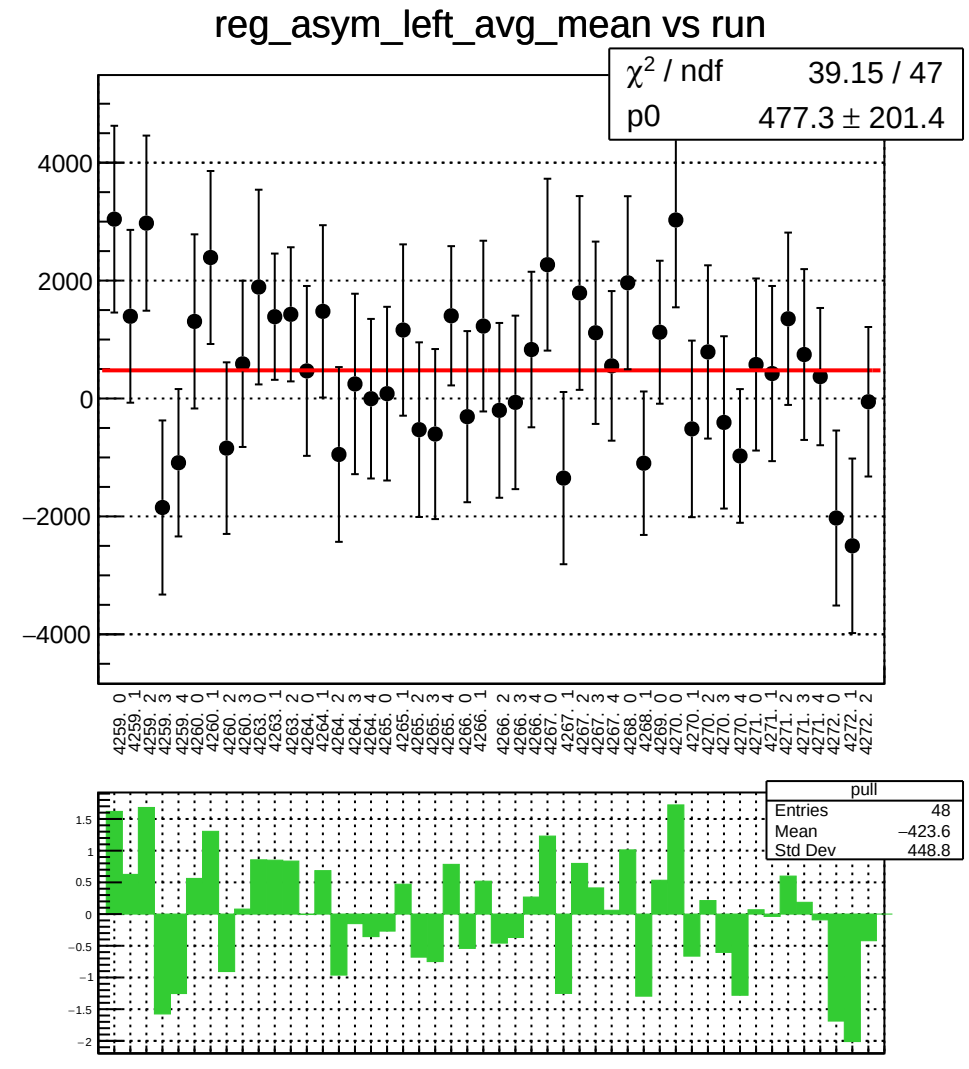

pull1D
Entries 48
Mean 0.01703
Std Dev 0.8171

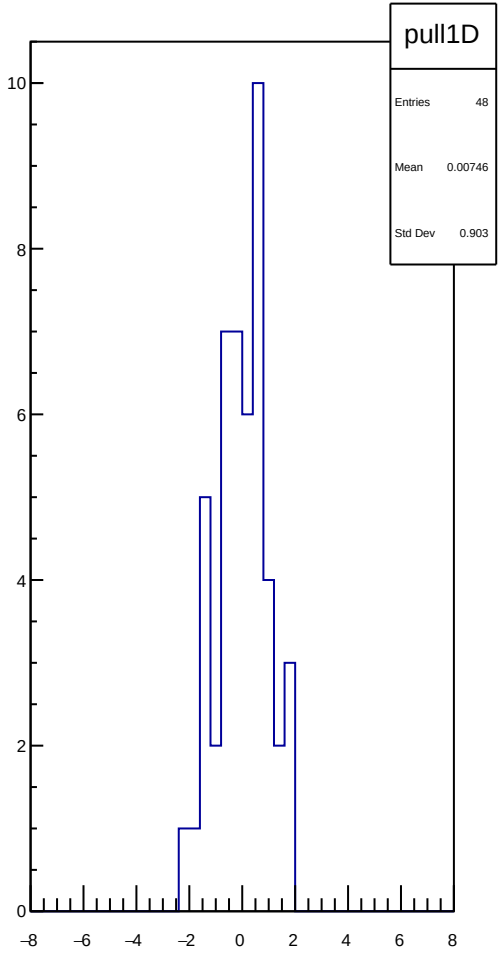

asym_dsr_correction_rms vs run
χ² / ndf 2145 / 47
p0 471.7 ± 0.4794
540
520
500
480
460
440
420
400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

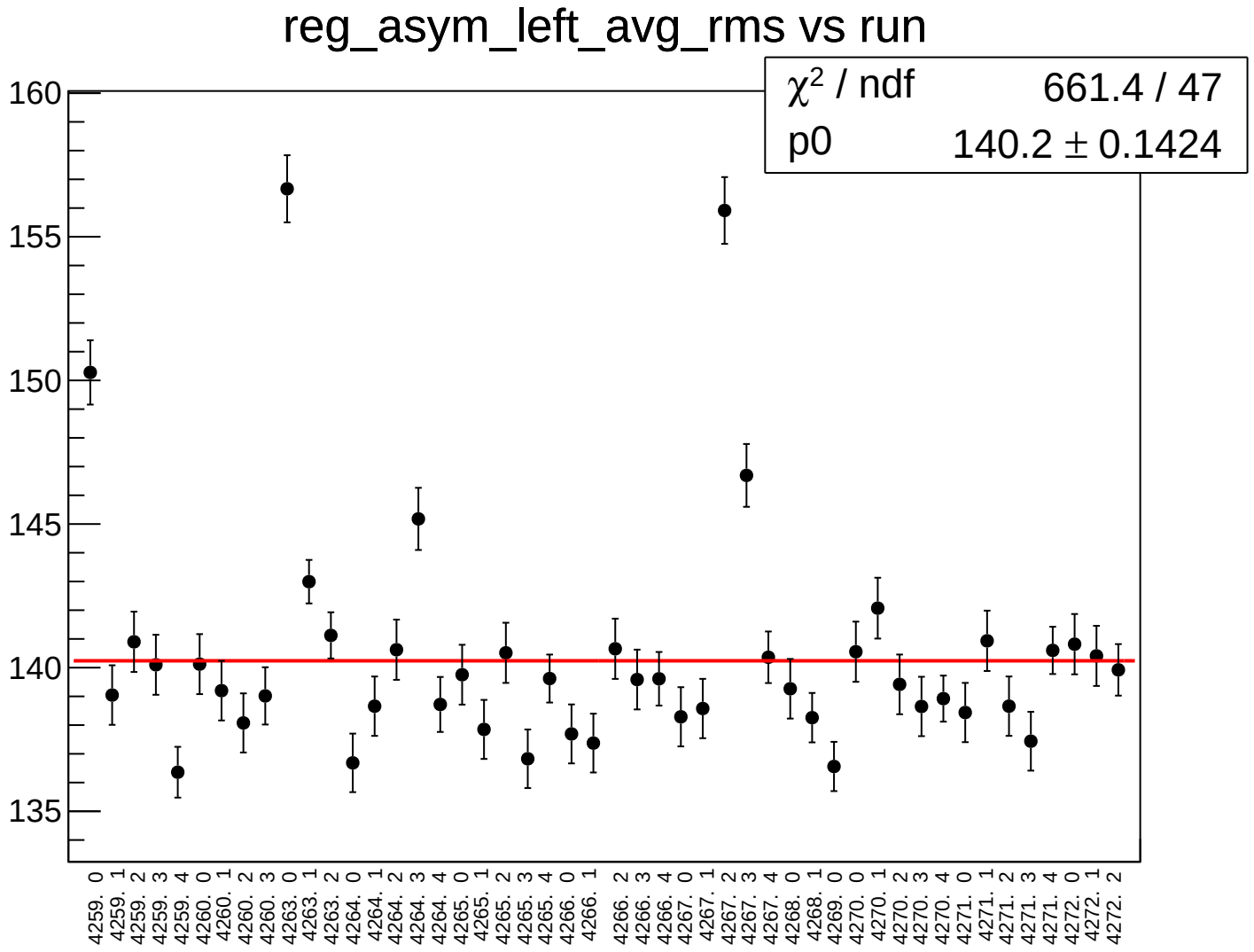

asym_dsr_mean vs run
χ² / ndf 32.08 / 47
p0 −130.6 ± 708.3
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 209.5
Std Dev 184.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

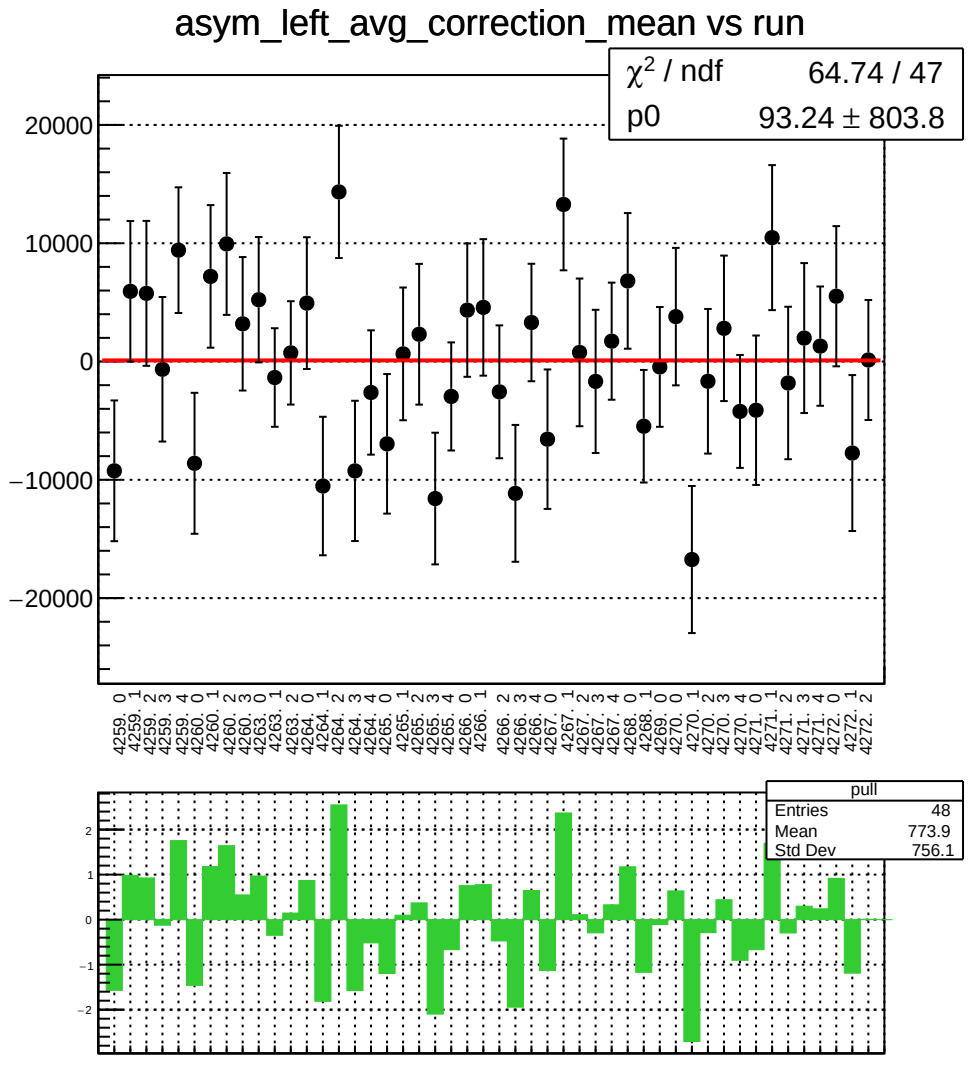

pull1D
Entries 48
Mean −0.01551
Std Dev 0.8174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

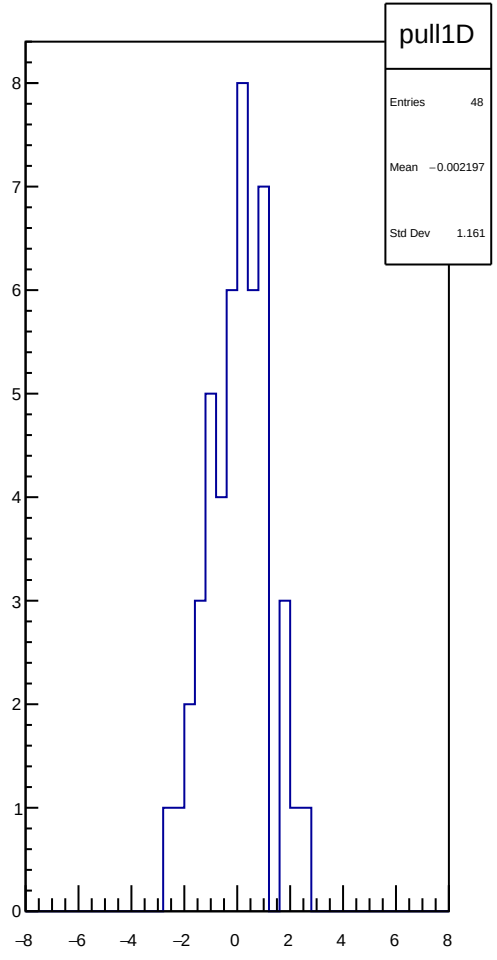

asym_dsr_rms vs run
χ² / ndf 1792 / 47
p0 492.9 ± 0.5008
560
540
520
500
480
460
440
420
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

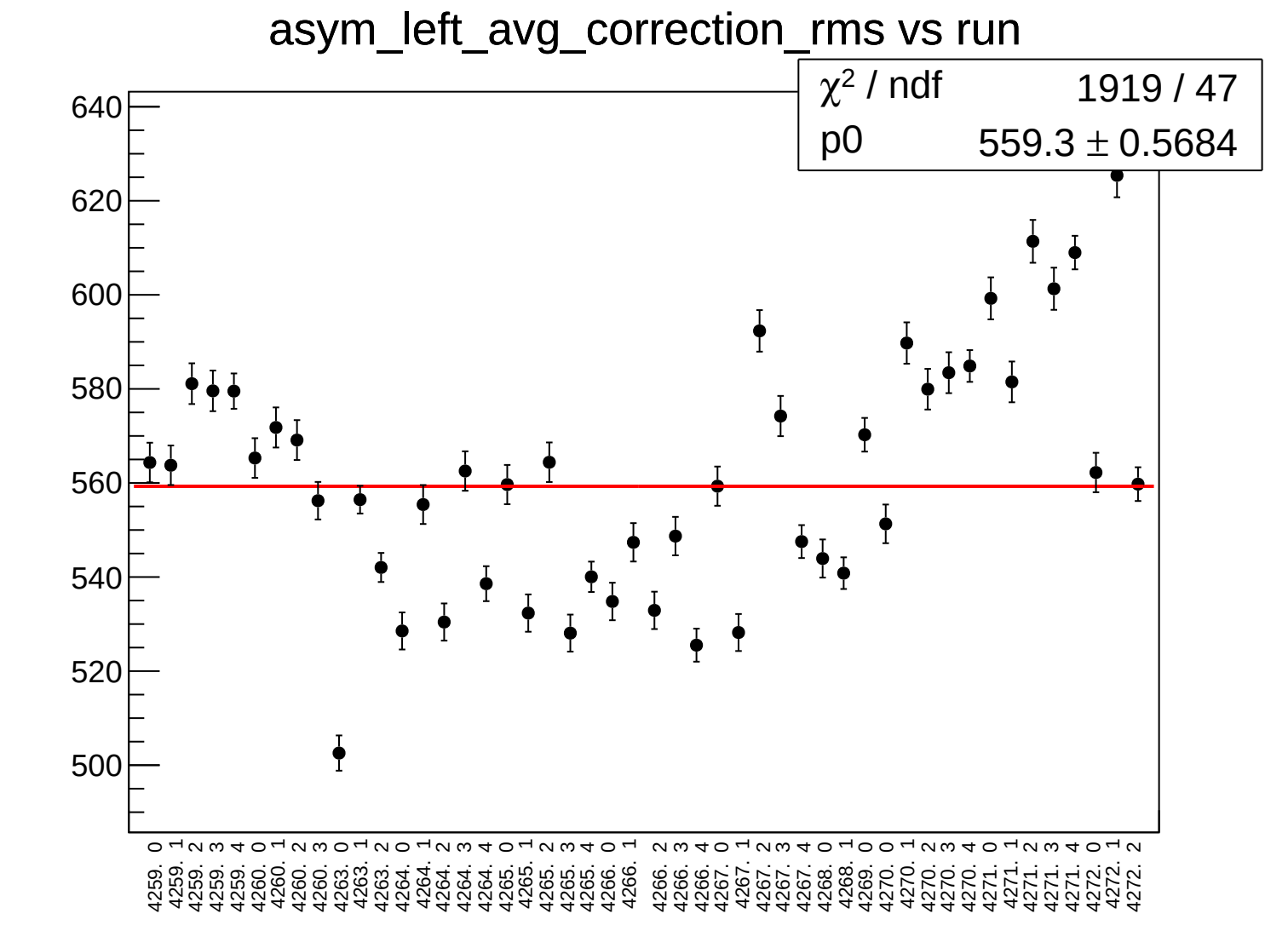

reg_asym_left_avg_mean vs run
χ² / ndf 39.15 / 47
p0 477.3 ± 201.4
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −423.6
Std Dev 448.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

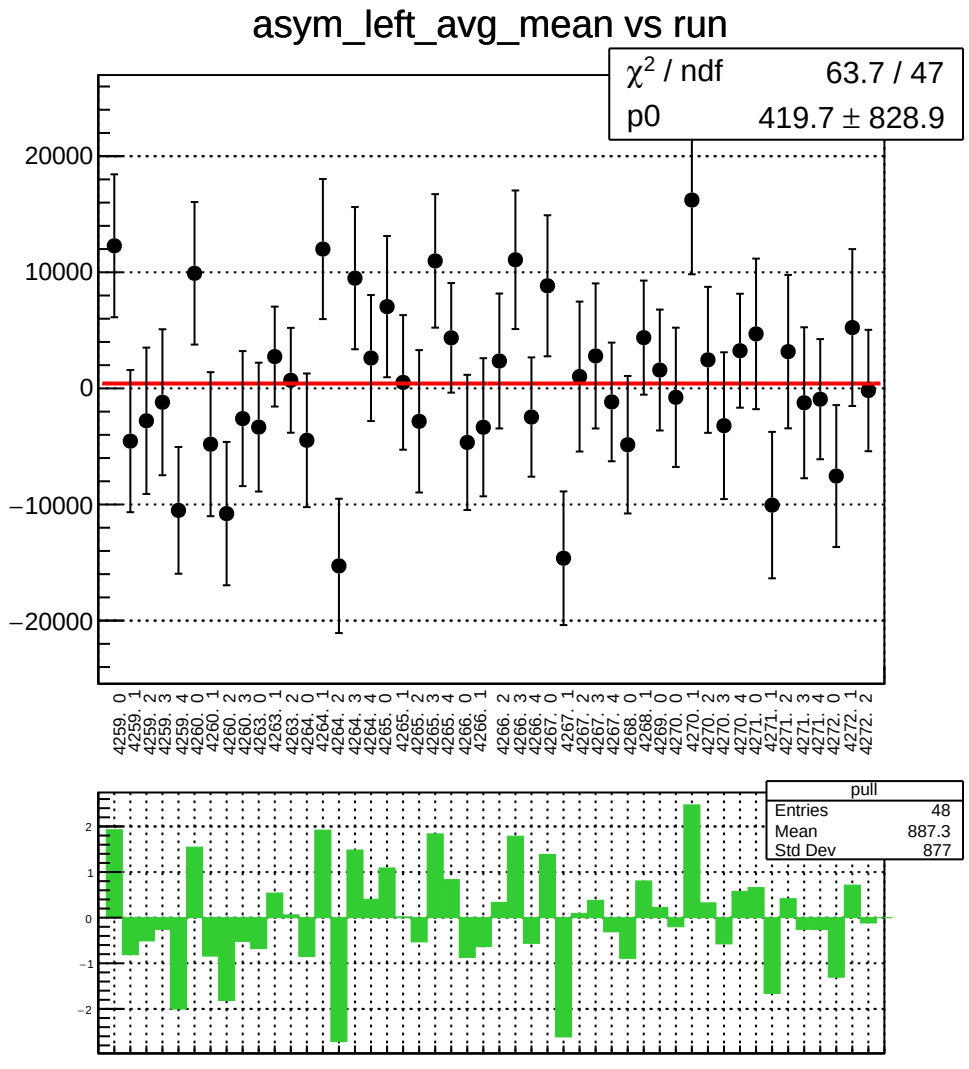

pull1D
Entries 48
Mean 0.00746
Std Dev 0.903
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

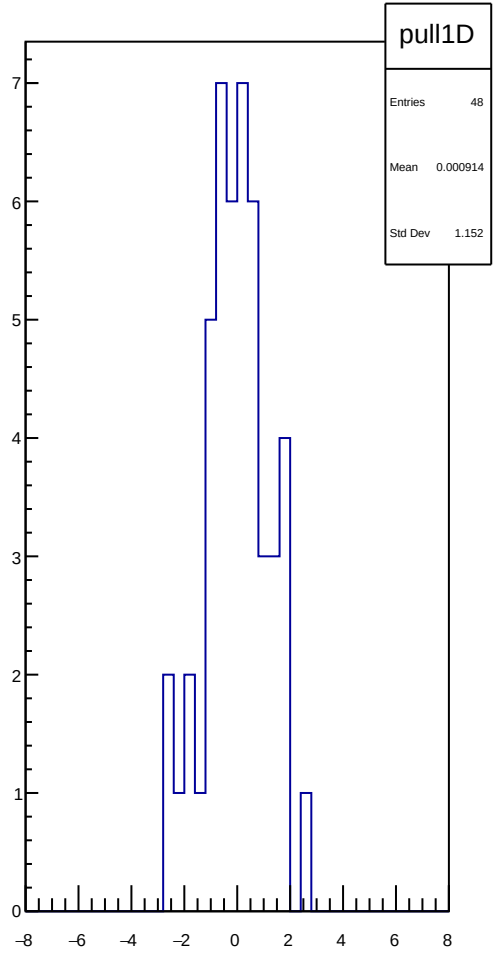

reg_asym_left_avg_rms vs run
χ² / ndf 661.4 / 47
p0 140.2 ± 0.1424
160
155
150
145
140
135
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

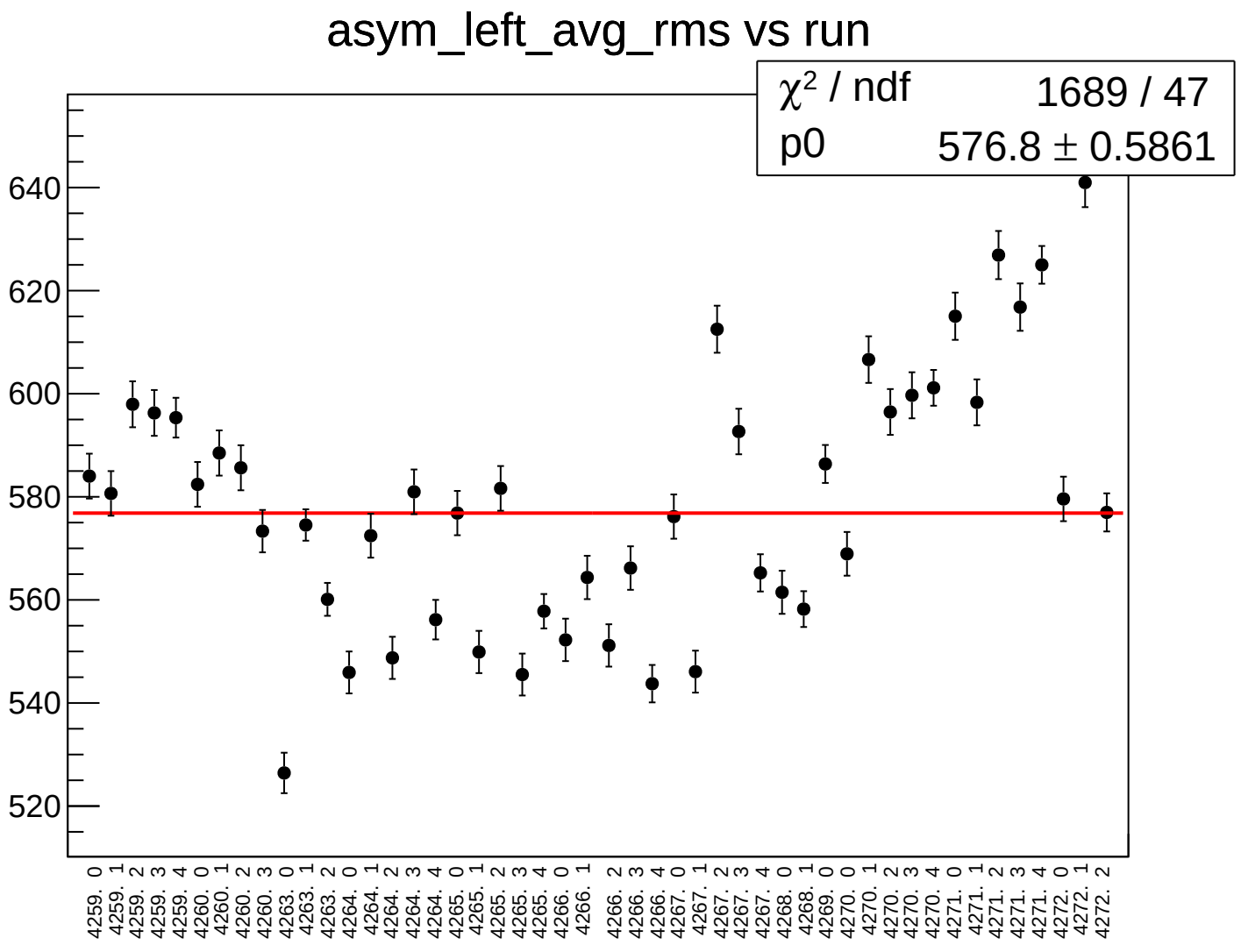

asym_left_avg_correction_mean vs run
χ² / ndf 64.74 / 47
p0 93.24 ± 803.8
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 773.9
Std Dev 756.1
2
1
0
−1
−2

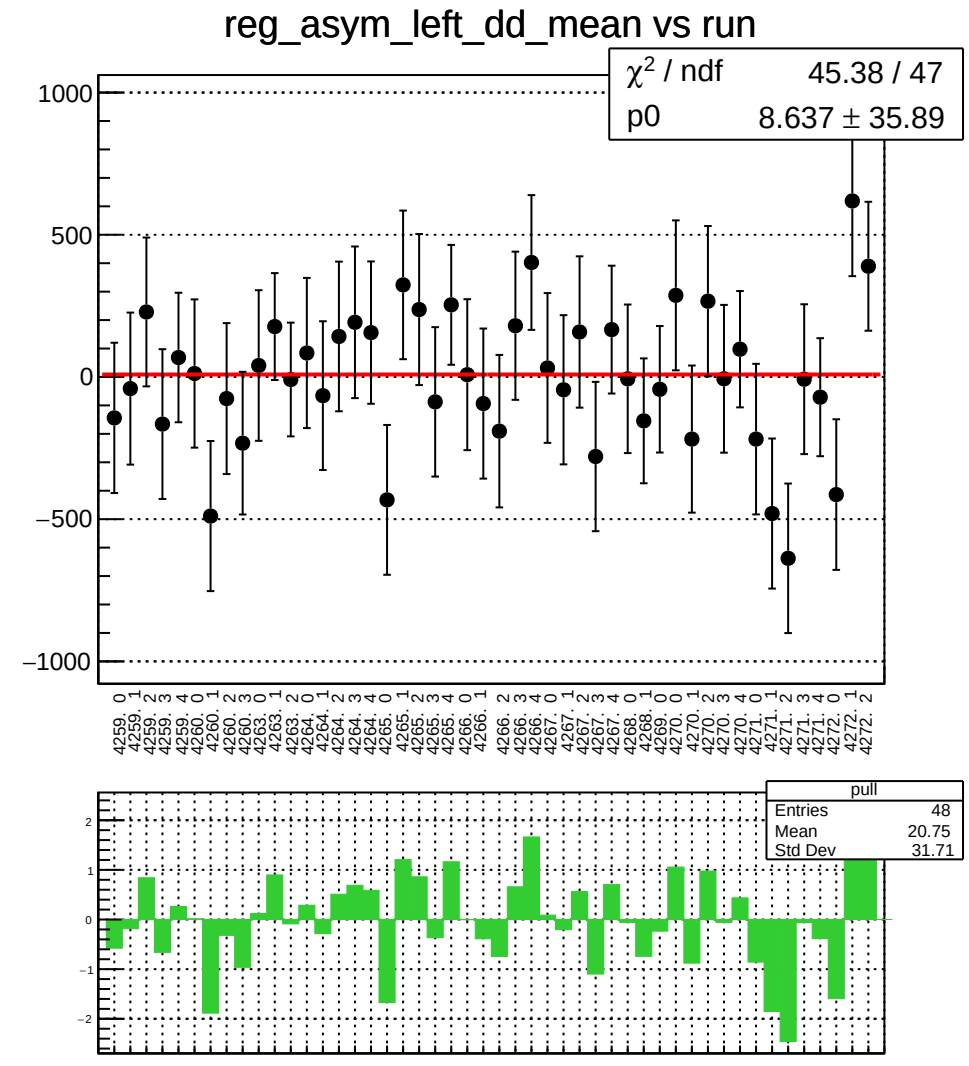

pull1D
Entries 48
Mean −0.002197
Std Dev 1.161
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

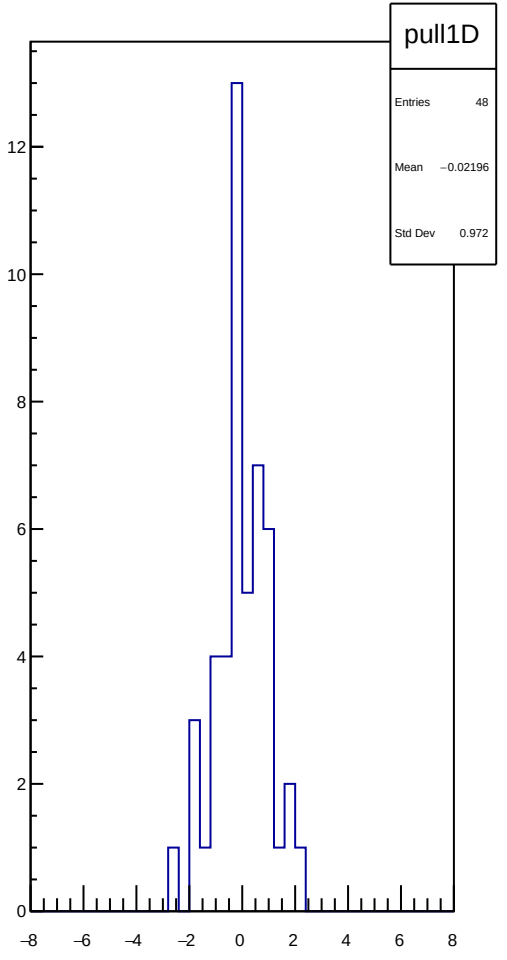

asym_left_avg_correction_rms vs run
χ² / ndf 1919 / 47
p0 559.3 ± 0.5684
640
620
600
580
560
540
520
500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

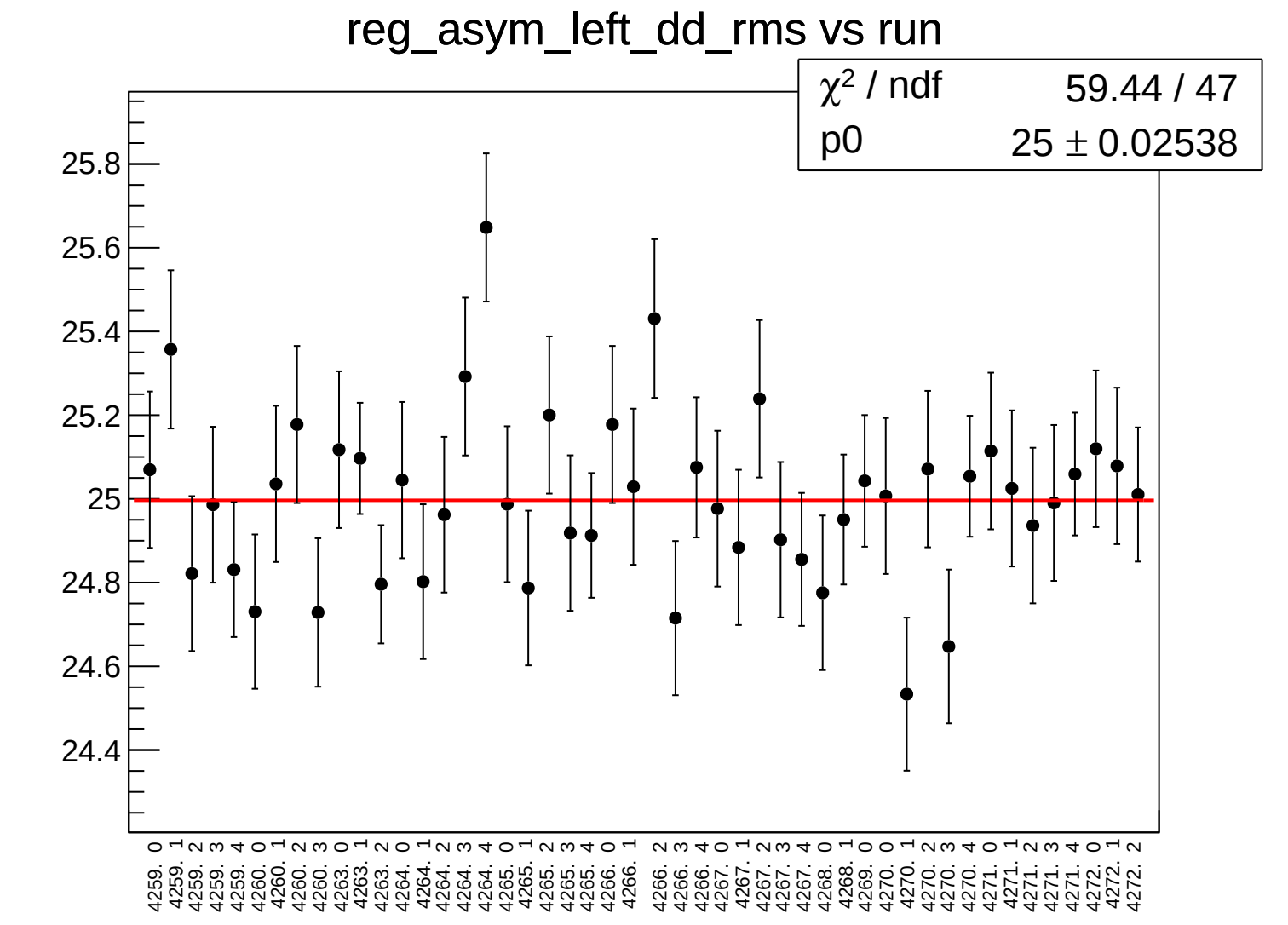

asym_left_avg_mean vs run
χ² / ndf 63.7 / 47
p0 419.7 ± 828.9
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 887.3
Std Dev 877
2
1
0
−1
−2

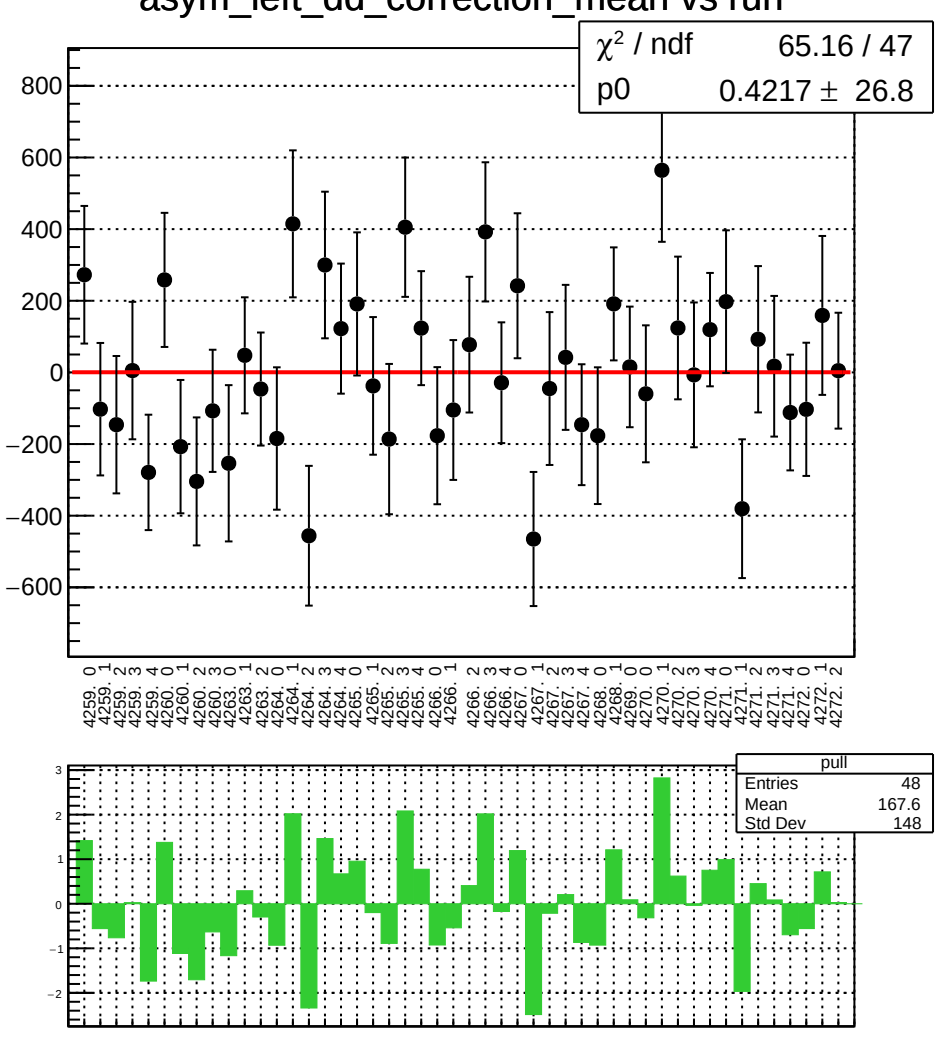

pull1D
Entries 48
Mean 0.000914
Std Dev 1.152
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

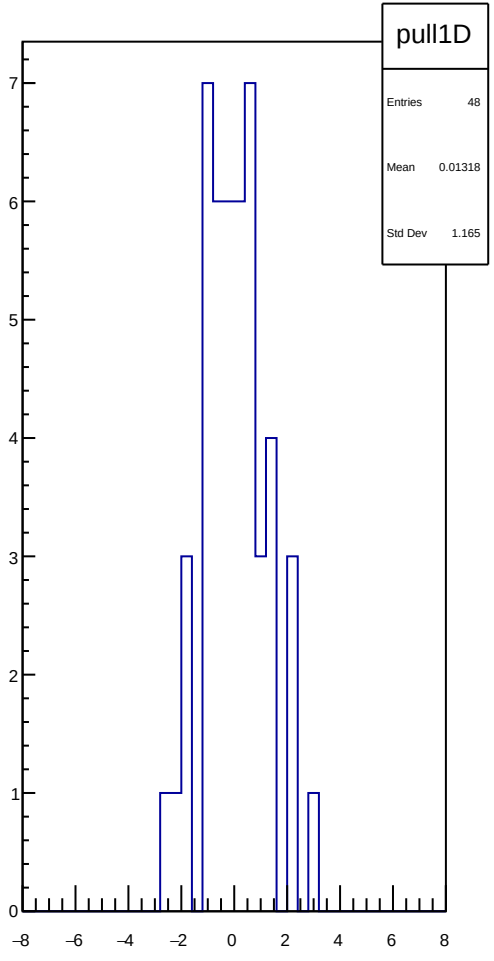

asym_left_avg_rms vs run
χ² / ndf 1689 / 47
p0 576.8 ± 0.5861
640
620
600
580
560
540
520
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

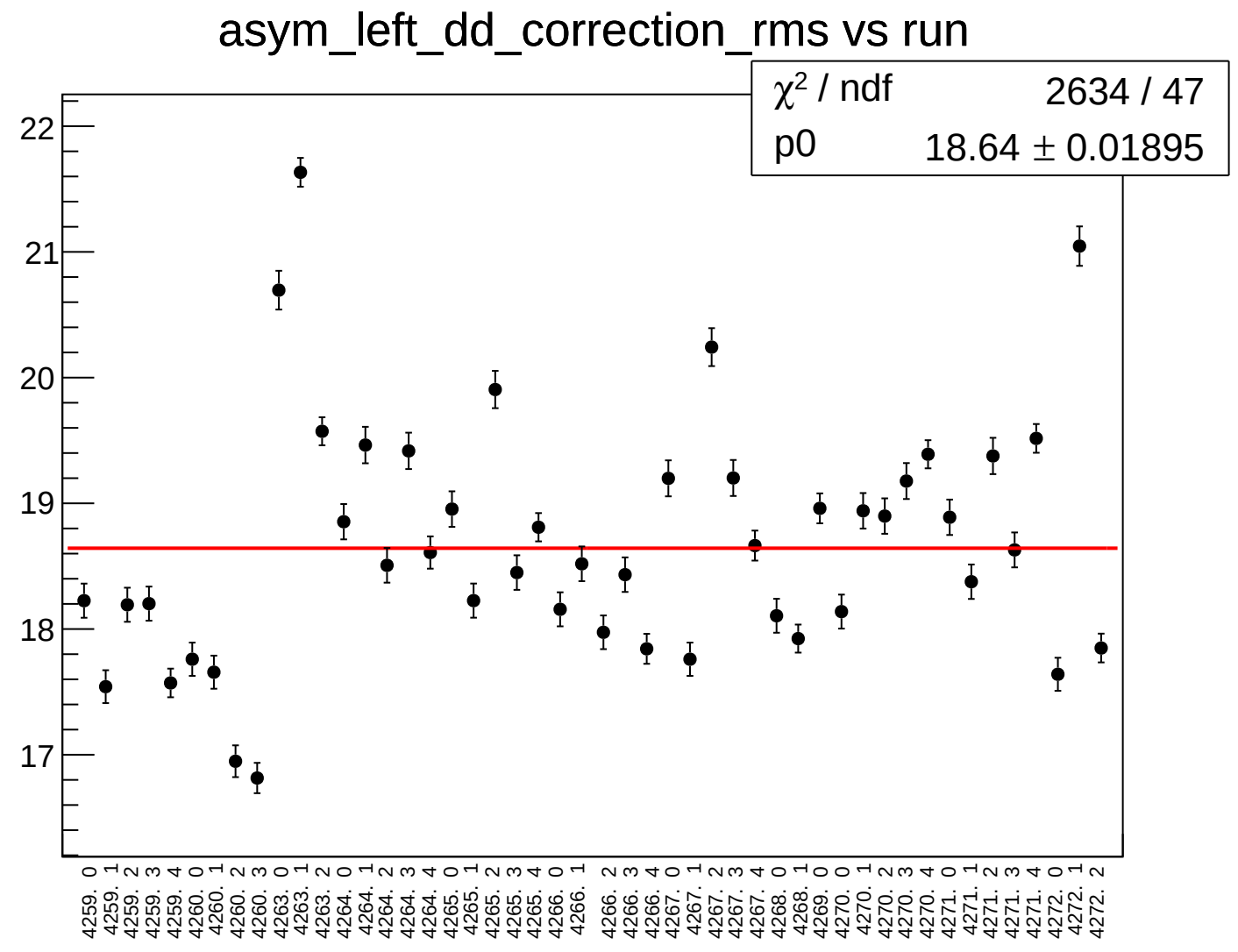

reg_asym_left_dd_mean vs run
χ² / ndf 45.38 / 47
p0 8.637 ± 35.89
1000
500
0
−500
−1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 20.75
Std Dev 31.71
2
1
0
−1
−2

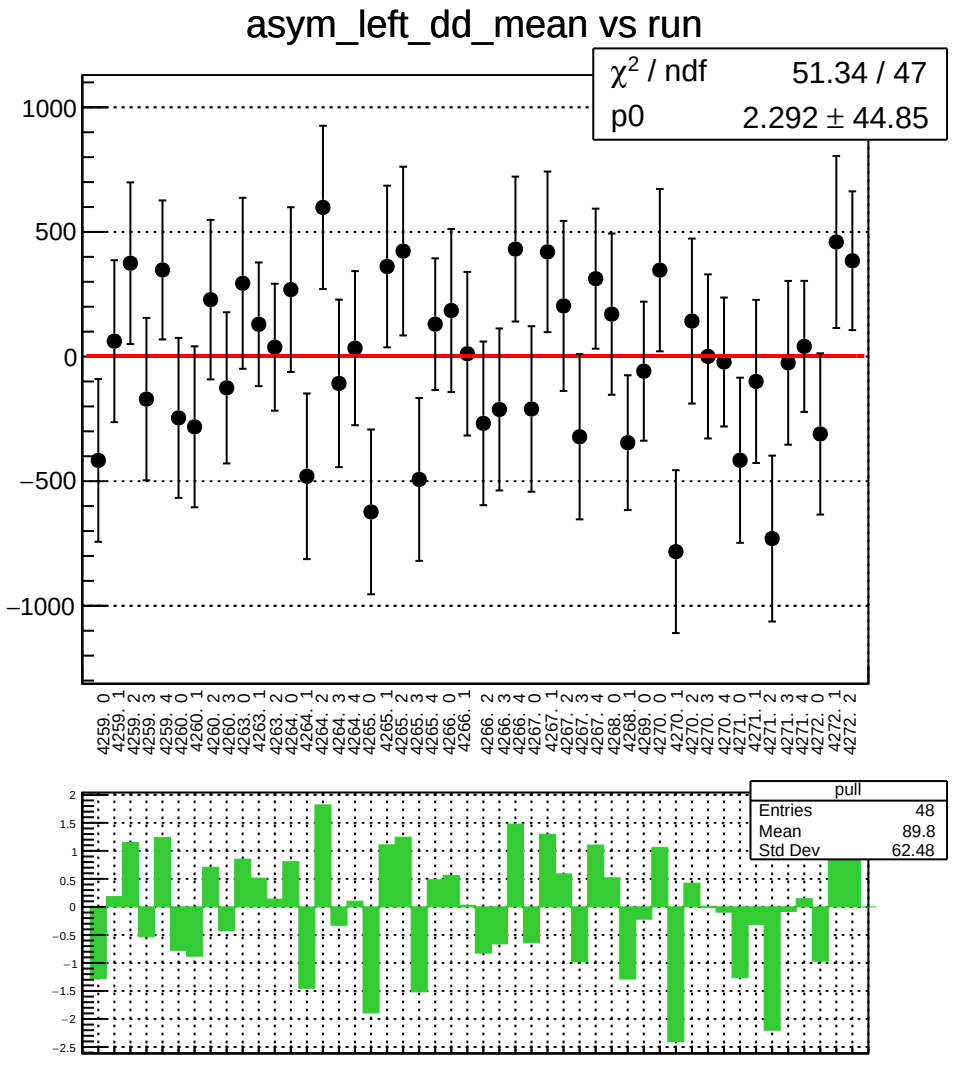

pull1D
Entries 48
Mean −0.02196
Std Dev 0.972
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

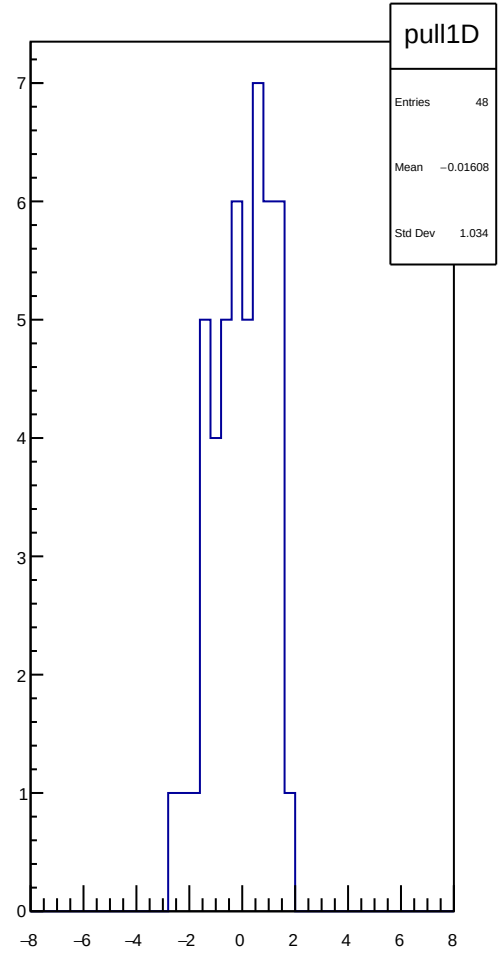

reg_asym_left_dd_rms vs run
χ² / ndf 59.44 / 47
p0 25 ± 0.02538
25.8
25.6
25.4
25.2
25
24.8
24.6
24.4
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

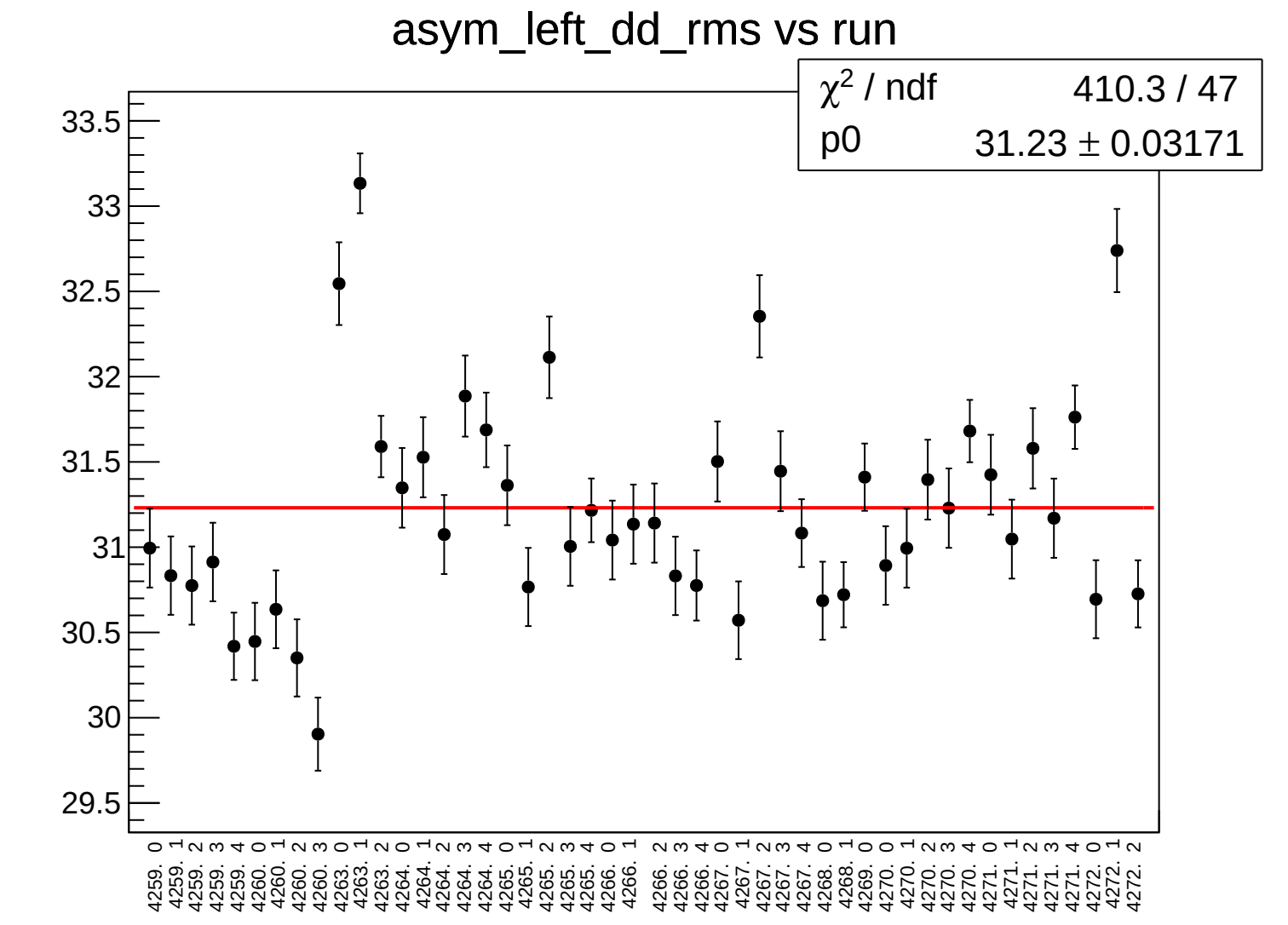

asym_left_dd_correction_mean vs run
χ² / ndf 65.16 / 47
p0 0.4217 ± 26.8
pull
Entries 48
Mean 167.6
Std Dev 148

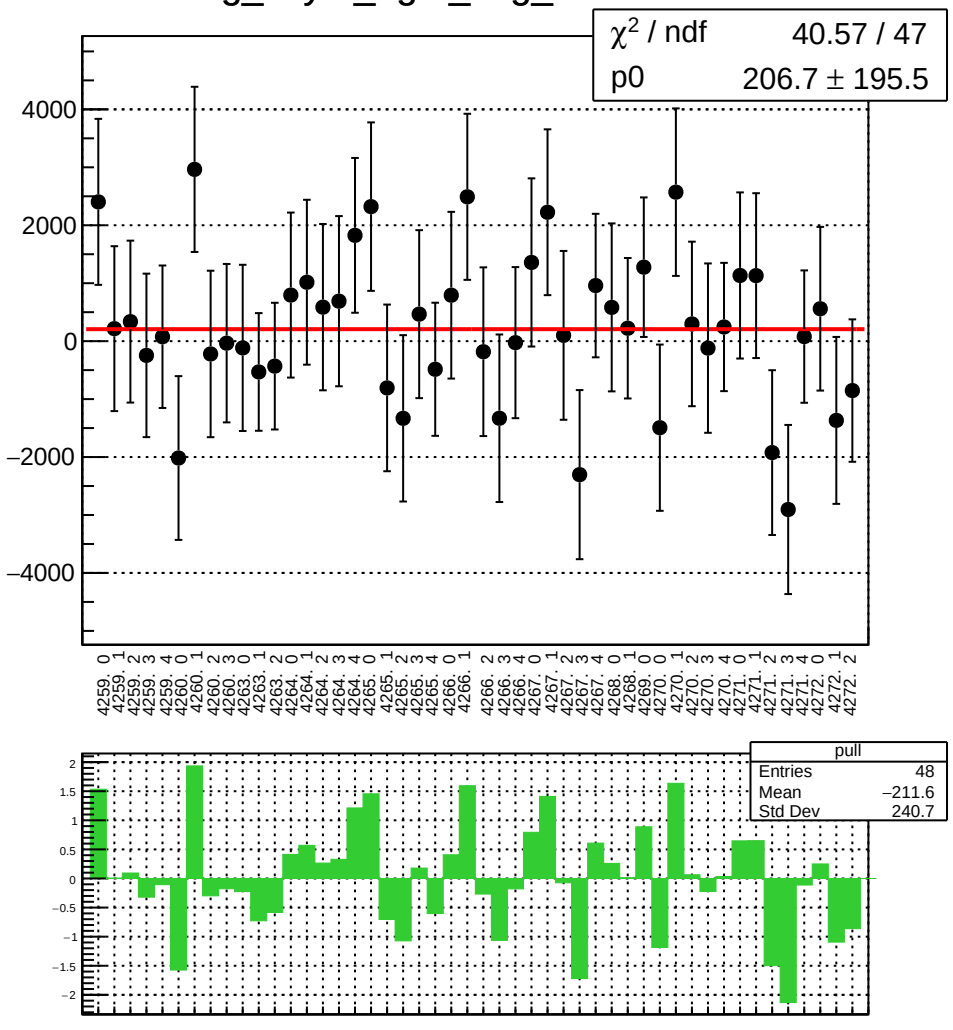

pull1D
Entries 48
Mean 0.01318
Std Dev 1.165

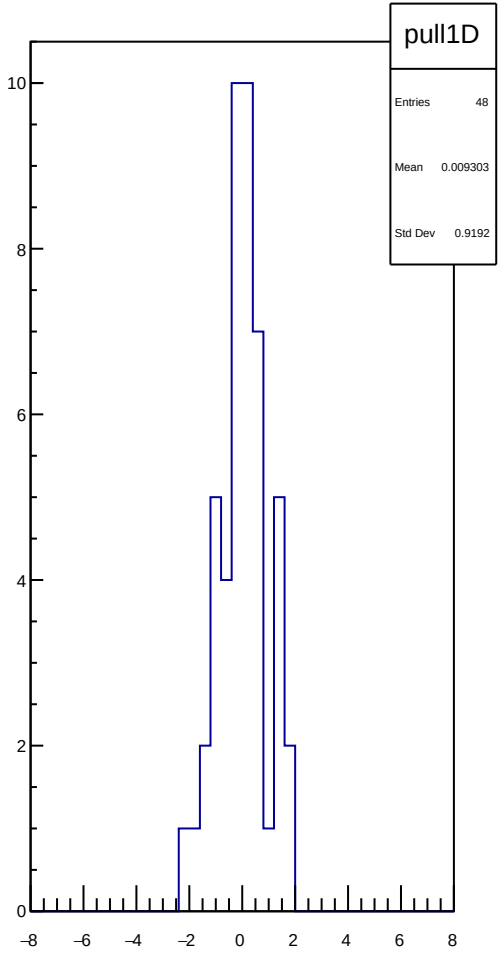

asym_left_dd_correction_rms vs run
χ² / ndf 2634 / 47
p0 18.64 ± 0.01895
22
21
20
19
18
17
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

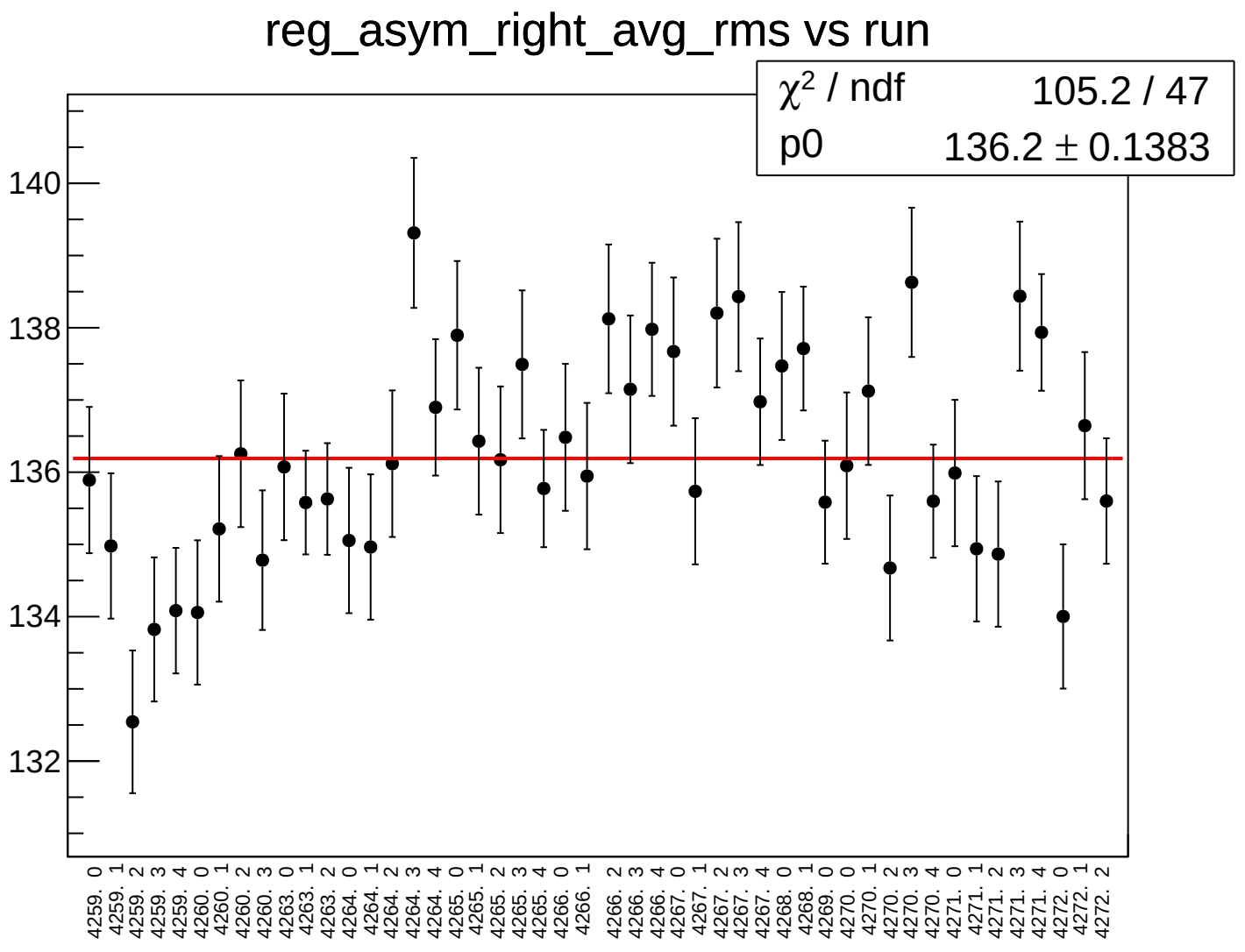

asym_left_dd_mean vs run
χ² / ndf 51.34 / 47
p0 2.292 ± 44.85
1000
500
0
−500
−1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 89.8
Std Dev 62.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

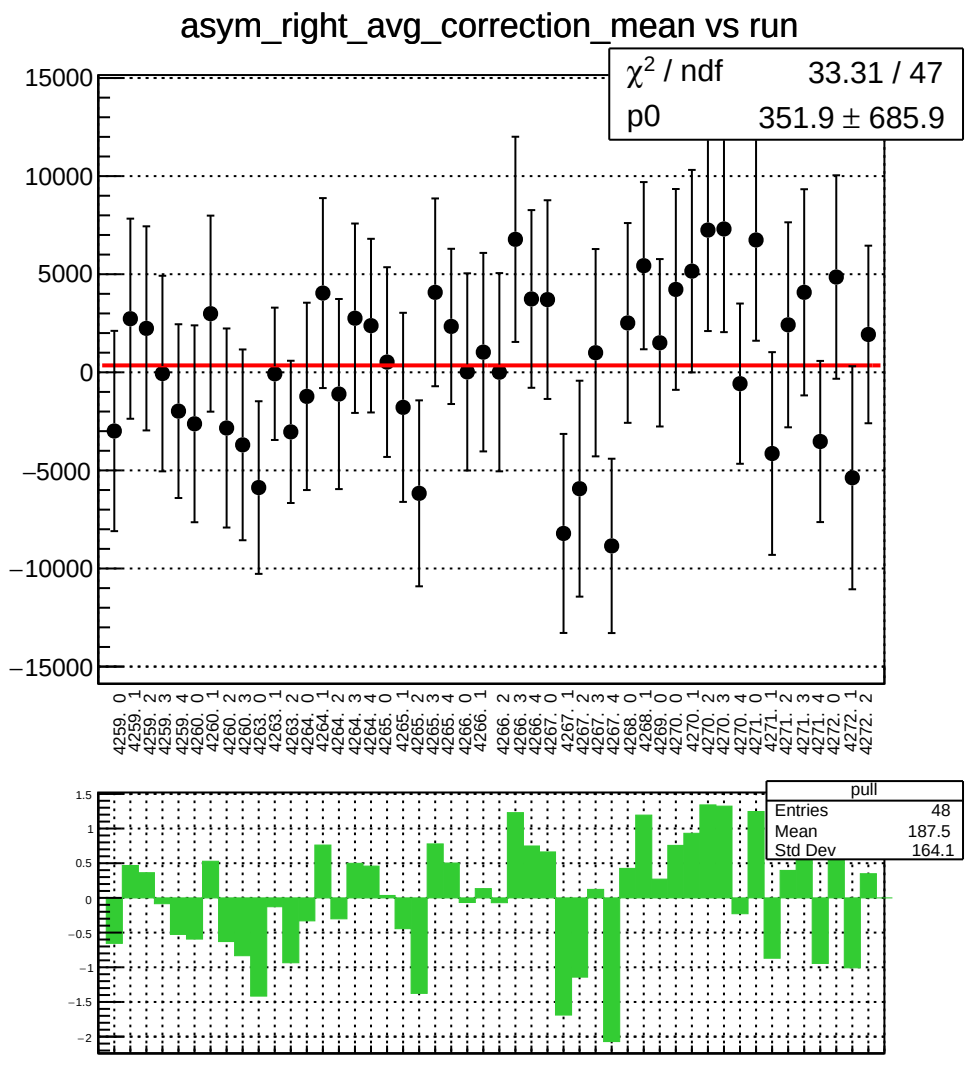

pull1D
Entries 48
Mean −0.01608
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

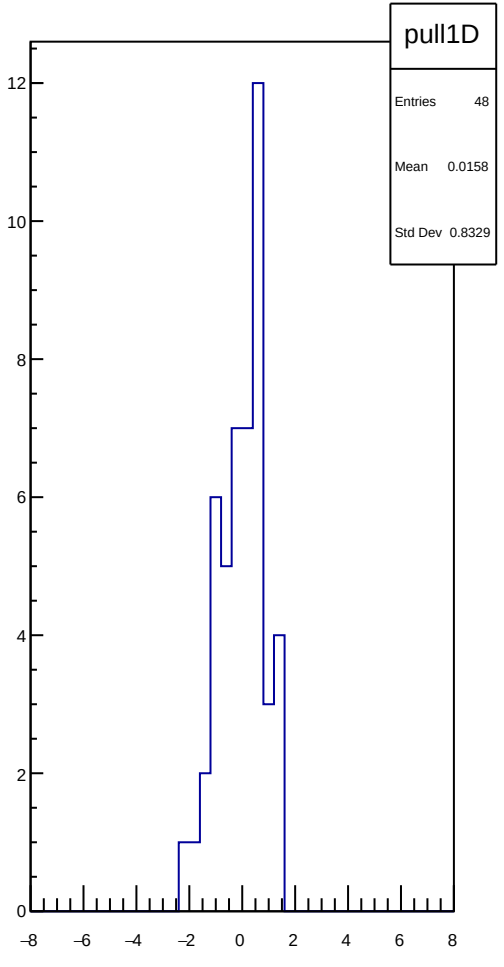

asym_left_dd_rms vs run
χ² / ndf 410.3 / 47
p0 31.23 ± 0.03171
33.5
33
32.5
32
31.5
31
30.5
30
29.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

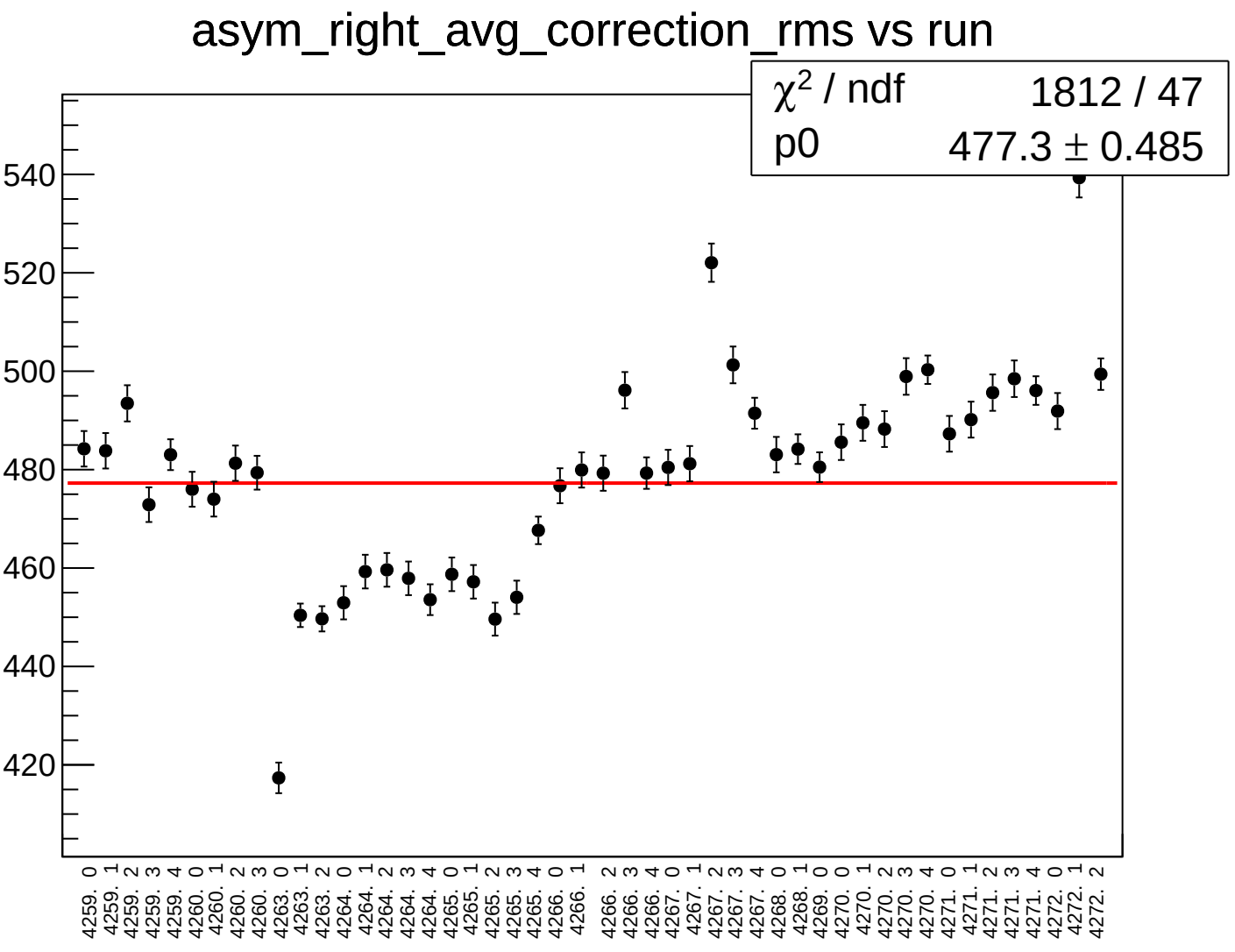

reg_asym_right_avg_mean vs run
χ² / ndf 40.57 / 47
p0 206.7 ± 195.5
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −211.6
Std Dev 240.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

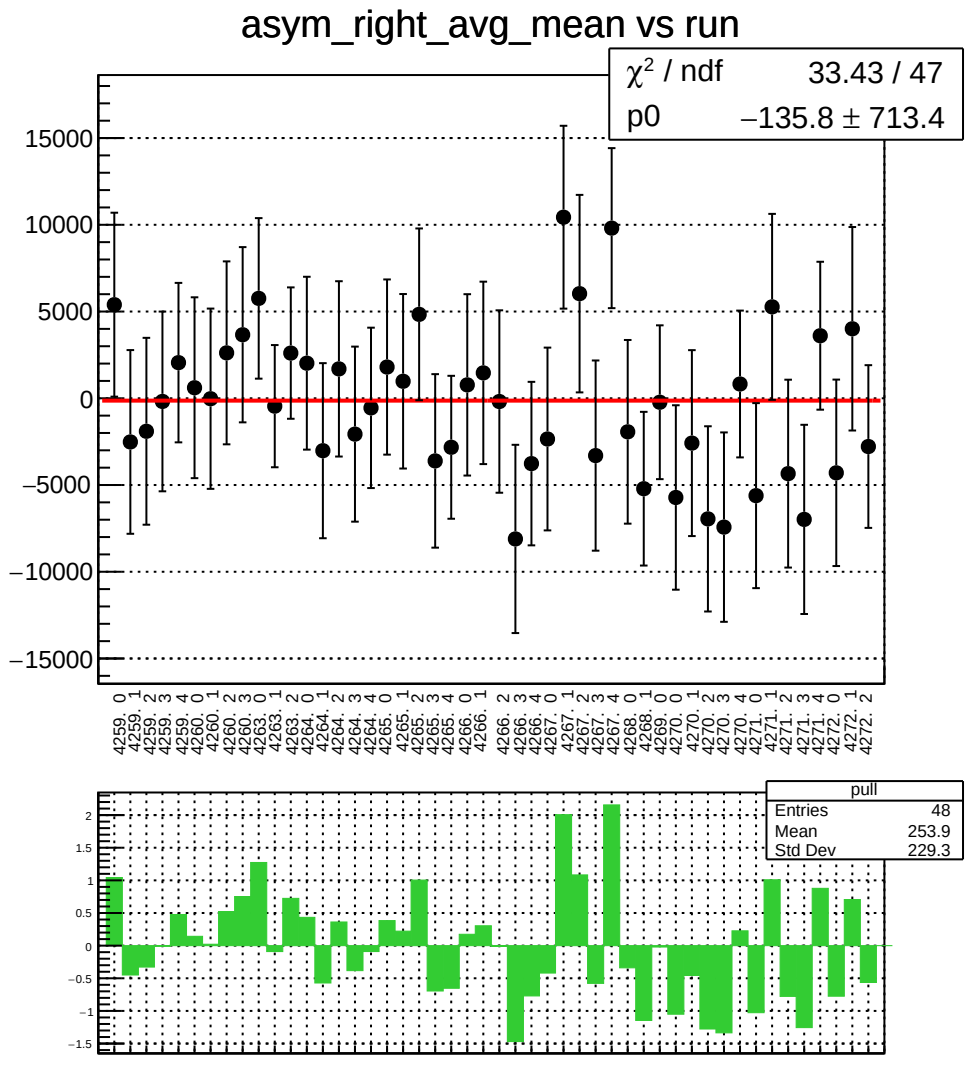

pull1D
Entries 48
Mean 0.009303
Std Dev 0.9192
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

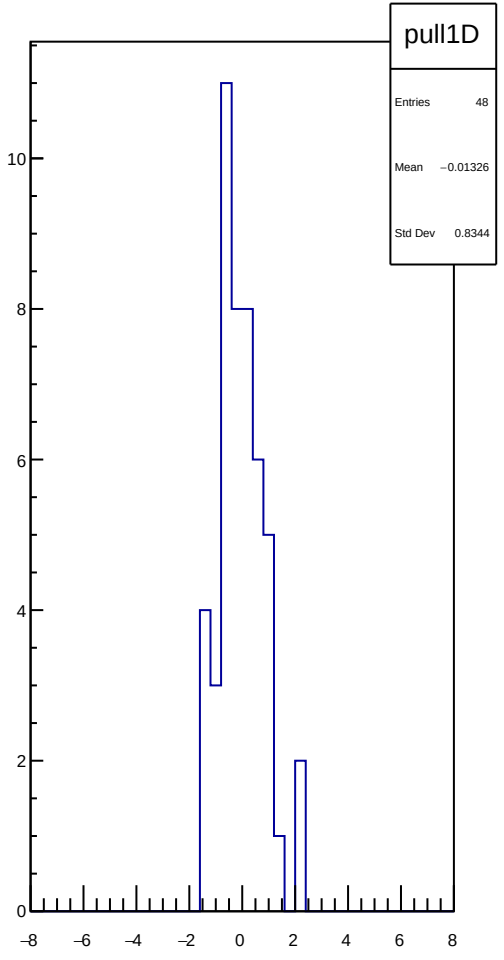

reg_asym_right_avg_rms vs run
χ² / ndf 105.2 / 47
p0 136.2 ± 0.1383
140
138
136
134
132
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

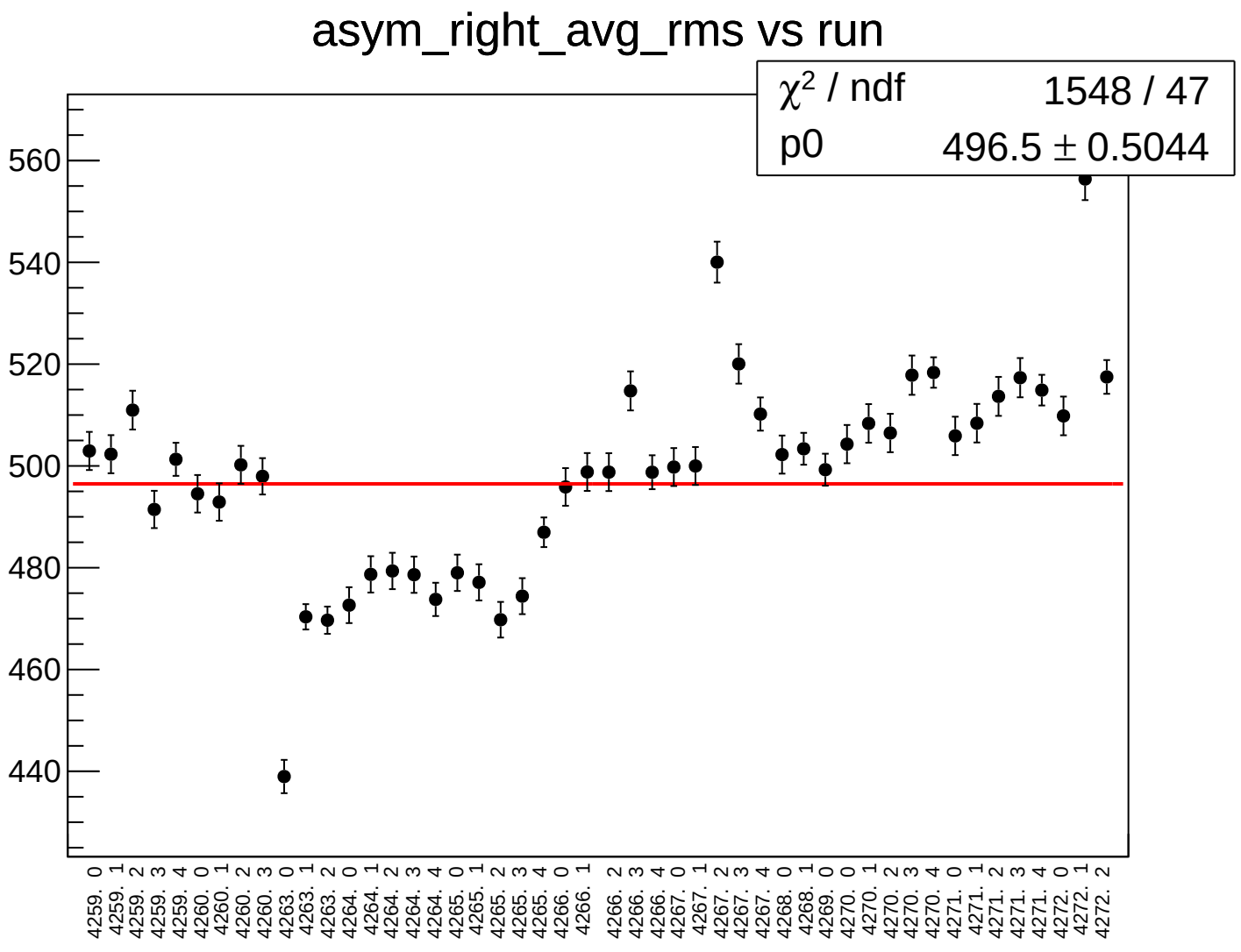

asym_right_avg_correction_mean vs run
χ² / ndf 33.31 / 47
p0 351.9 ± 685.9
pull
Entries 48
Mean 187.5
Std Dev 164.1

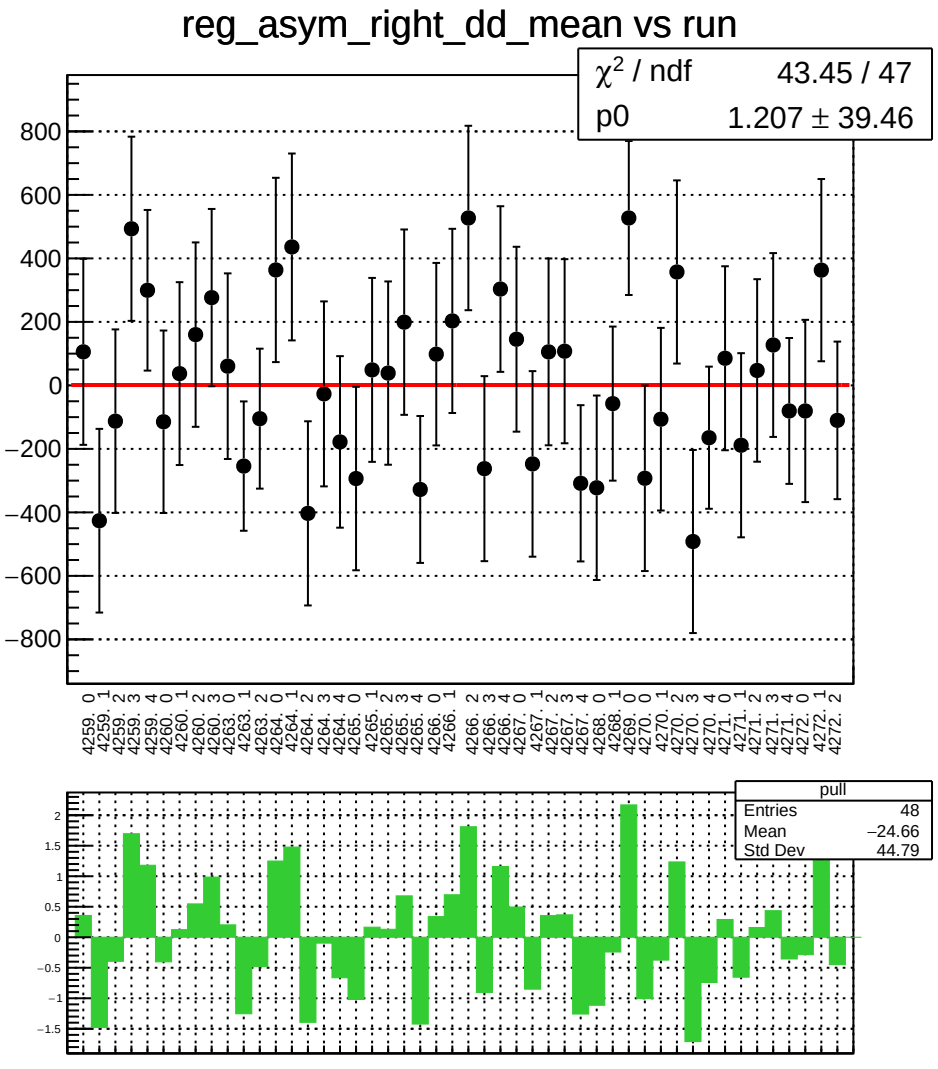

pull1D
Entries 48
Mean 0.0158
Std Dev 0.8329

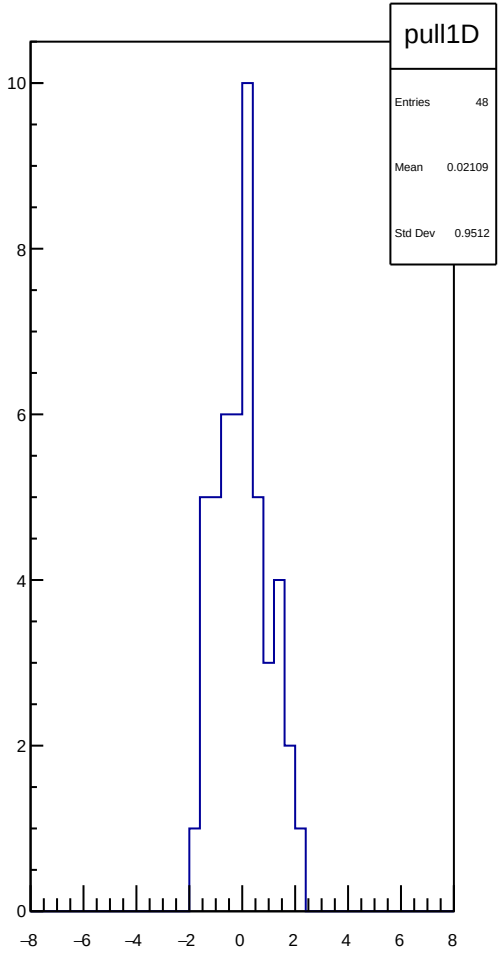

asym_right_avg_correction_rms vs run
χ² / ndf 1812 / 47
p0 477.3 ± 0.485
540
520
500
480
460
440
420
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

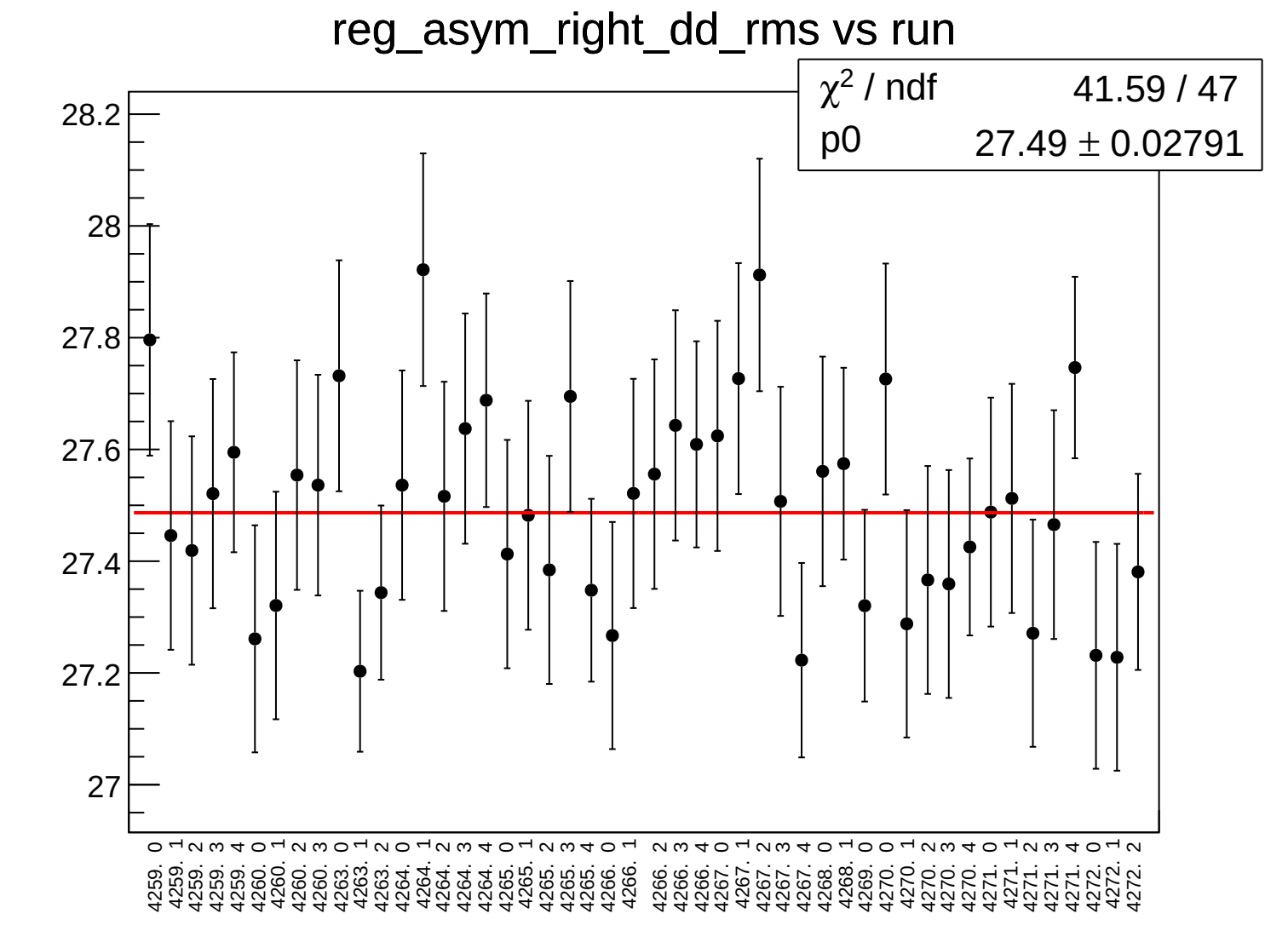

asym_right_avg_mean vs run
χ² / ndf 33.43 / 47
p0 −135.8 ± 713.4
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 253.9
Std Dev 229.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

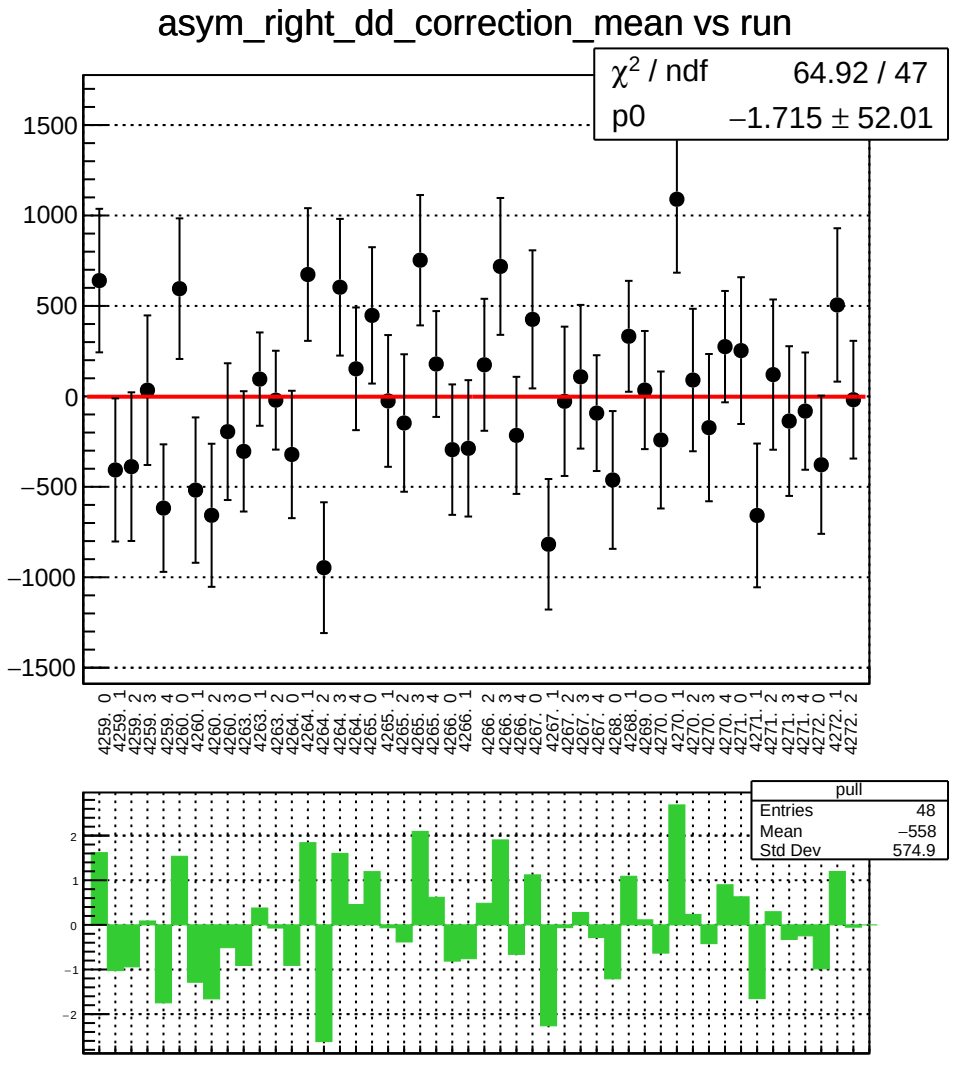

pull1D
Entries 48
Mean −0.01326
Std Dev 0.8344
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

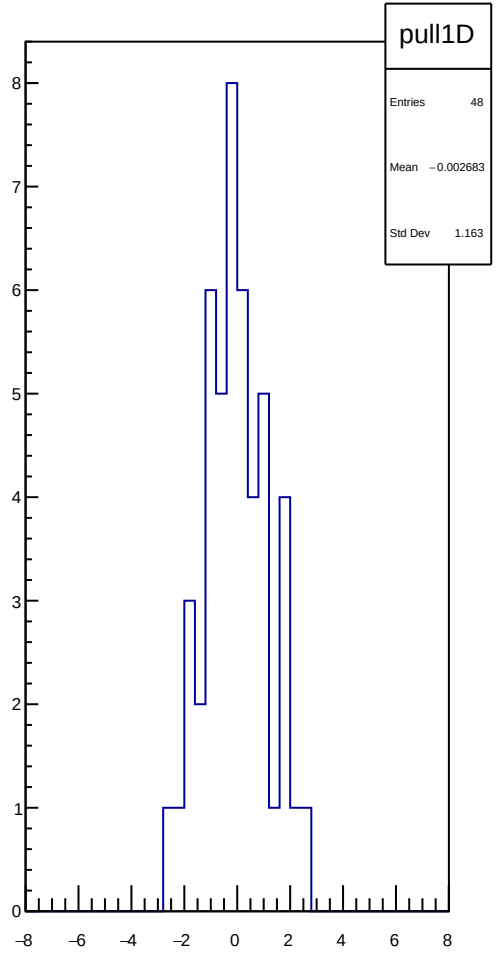

asym_right_avg_rms vs run
χ² / ndf 1548 / 47
p0 496.5 ± 0.5044
560
540
520
500
480
460
440
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

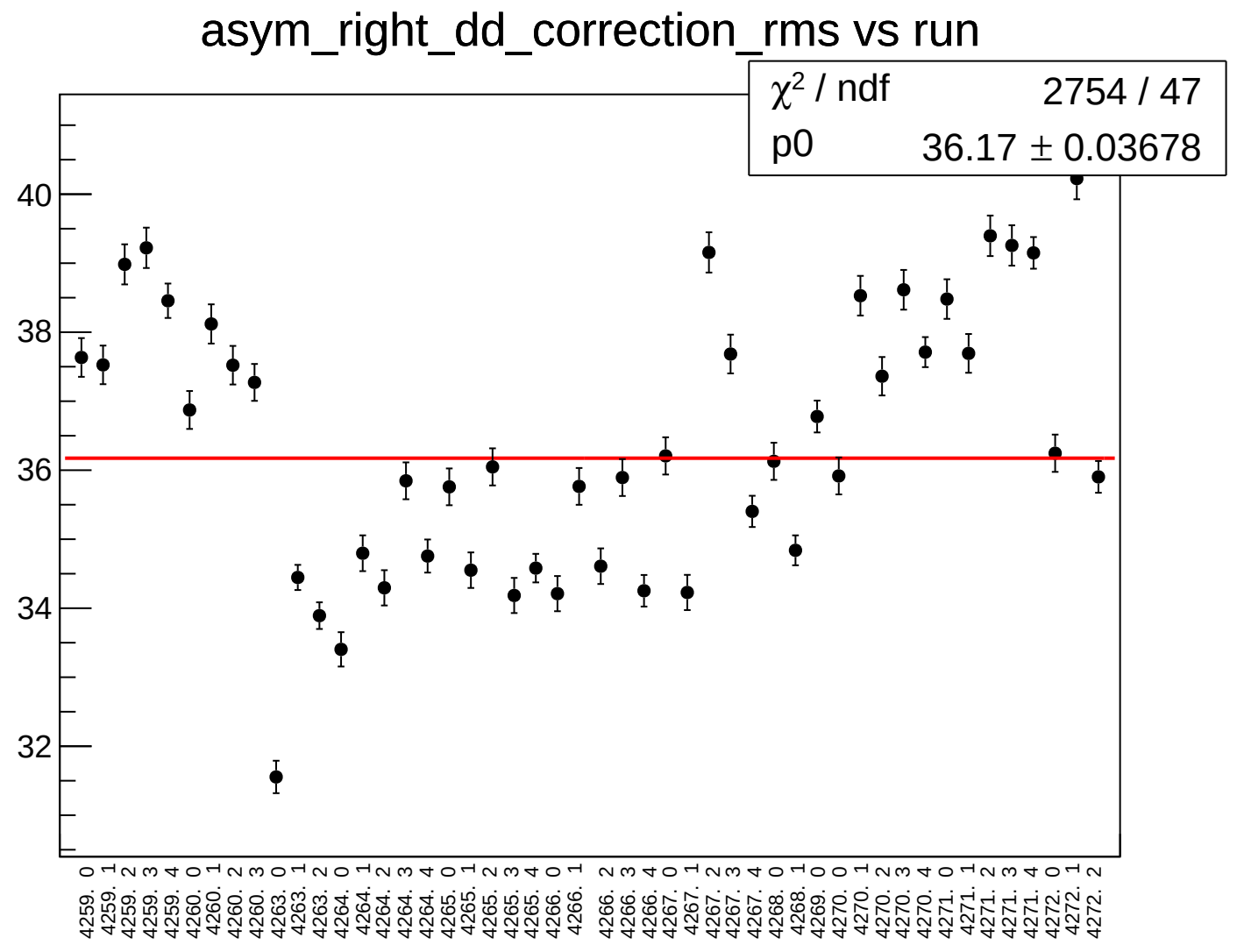

reg_asym_right_dd_mean vs run
χ^2 / ndf 43.45 / 47
p0 1.207 ± 39.46
800
600
400
200
0
−200
−400
−600
−800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −24.66
Std Dev 44.79
2
1.5
1
0.5
0
−0.5
−1
−1.5

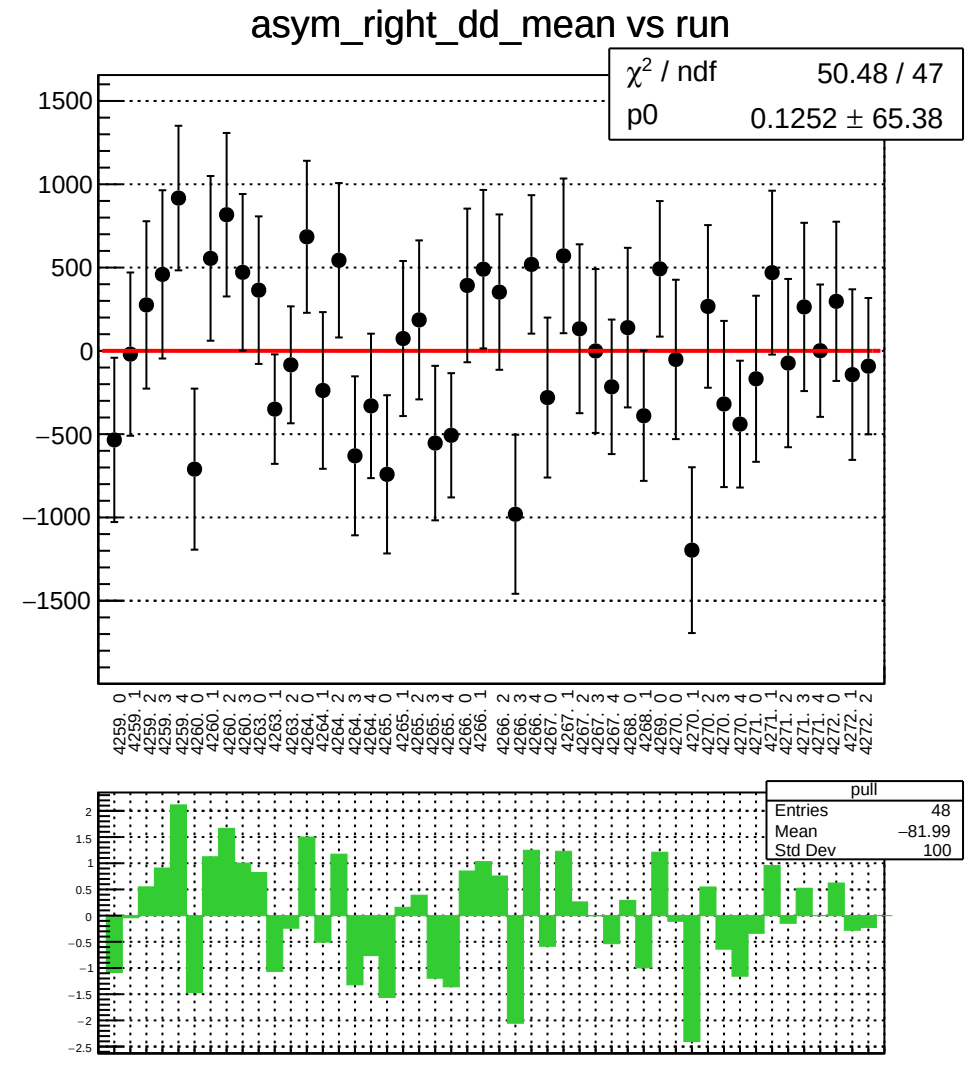

pull1D
Entries 48
Mean 0.02109
Std Dev 0.9512
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

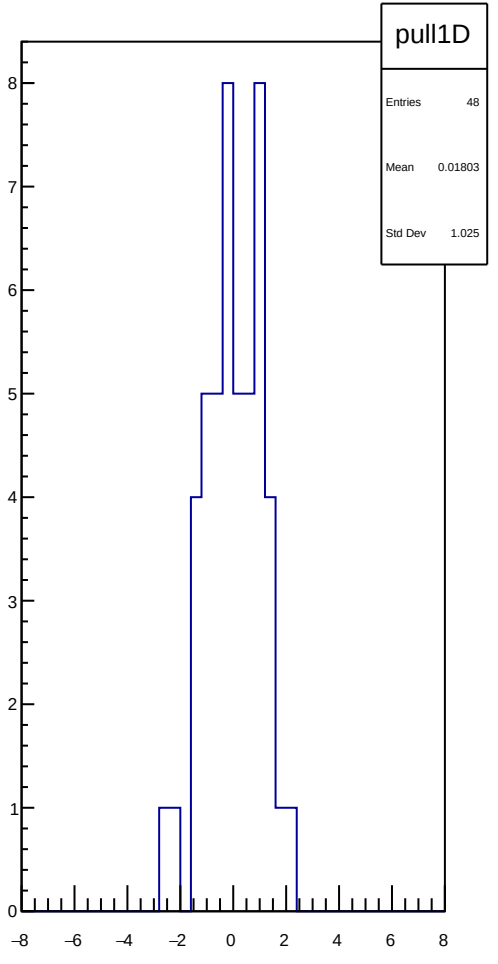

reg_asym_right_dd_rms vs run
χ2 / ndf 41.59 / 47
p0 27.49 ± 0.02791
28.2
28
27.8
27.6
27.4
27.2
27
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

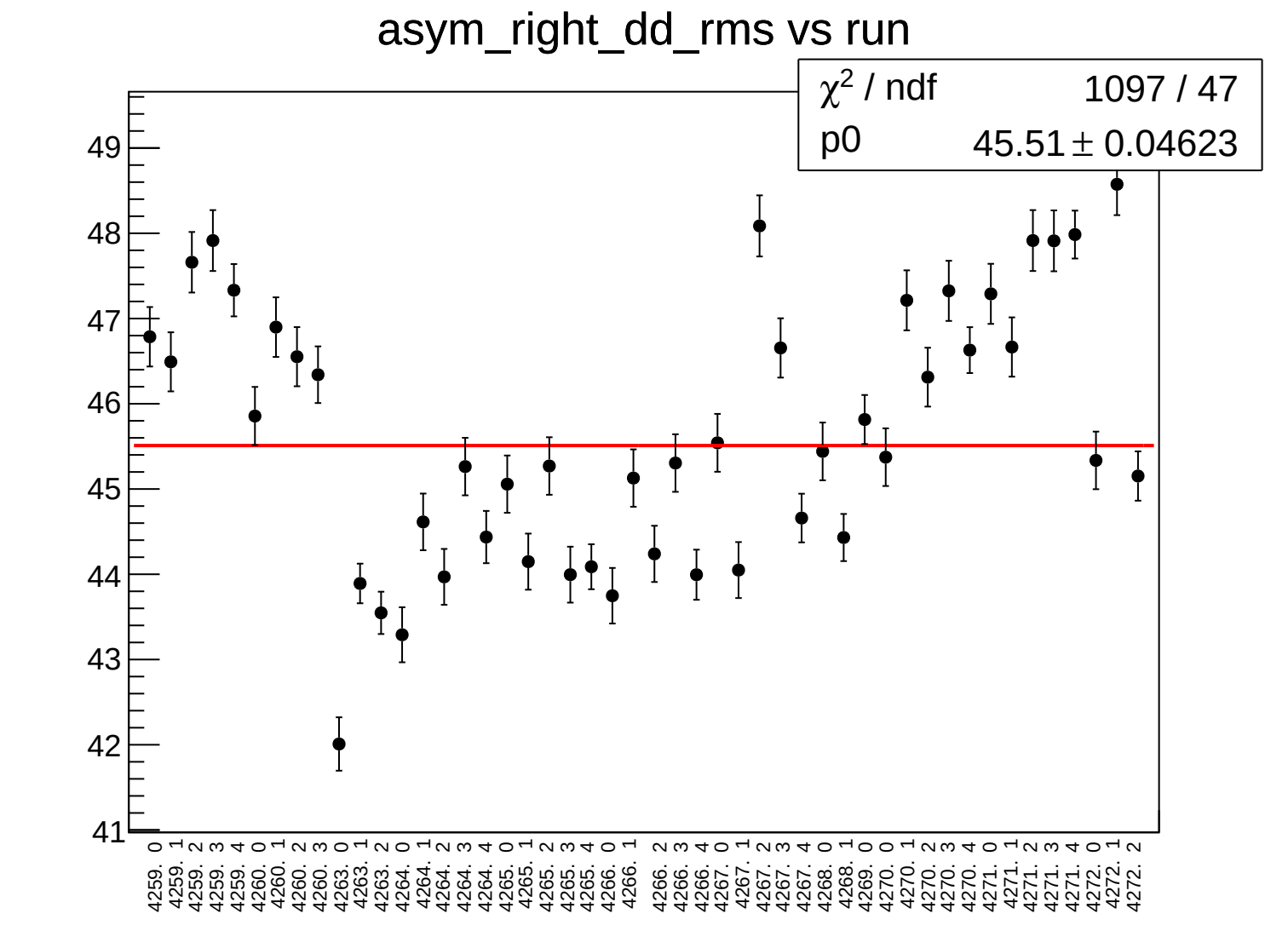

asym_right_dd_correction_mean vs run
χ² / ndf 64.92 / 47
p0 −1.715 ± 52.01
1500
1000
500
0
−500
−1000
−1500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −558
Std Dev 574.9
2
1
0
−1
−2

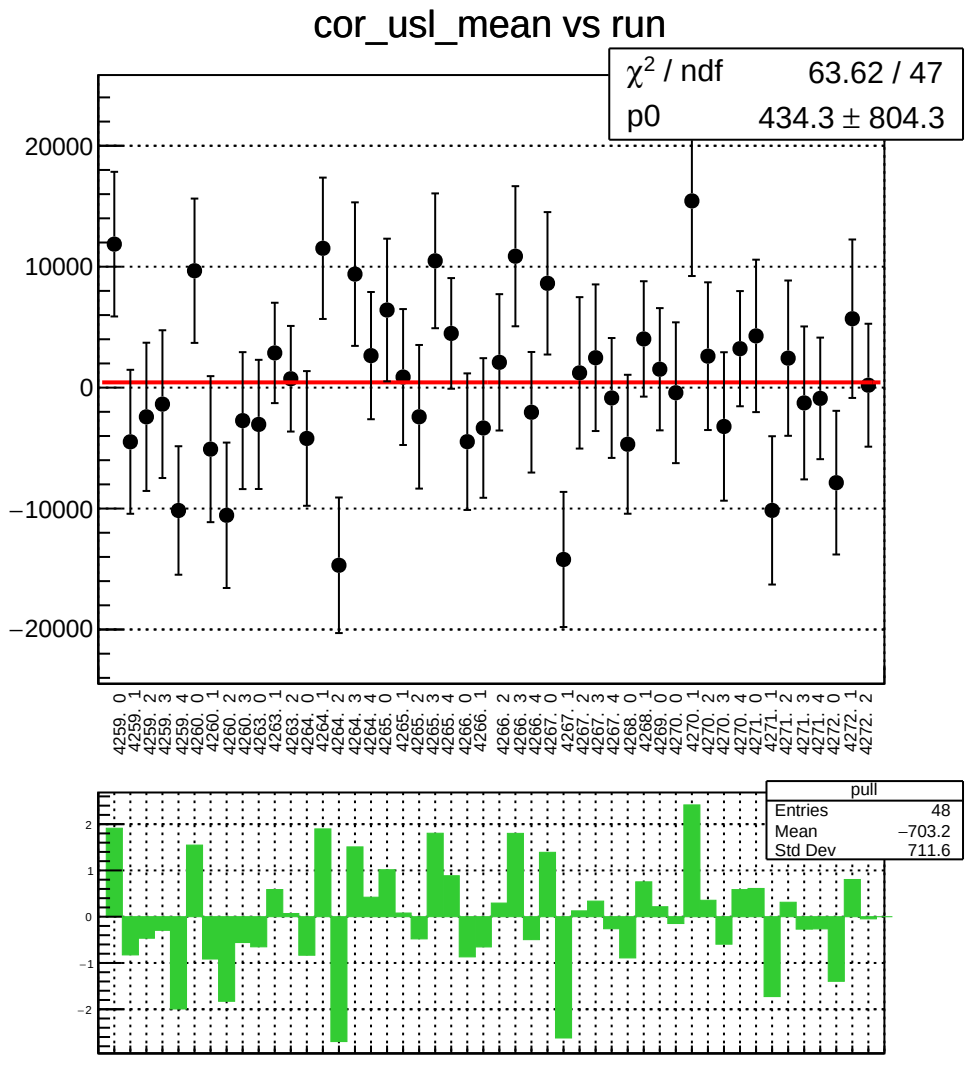

pull1D
Entries 48
Mean −0.002683
Std Dev 1.163
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

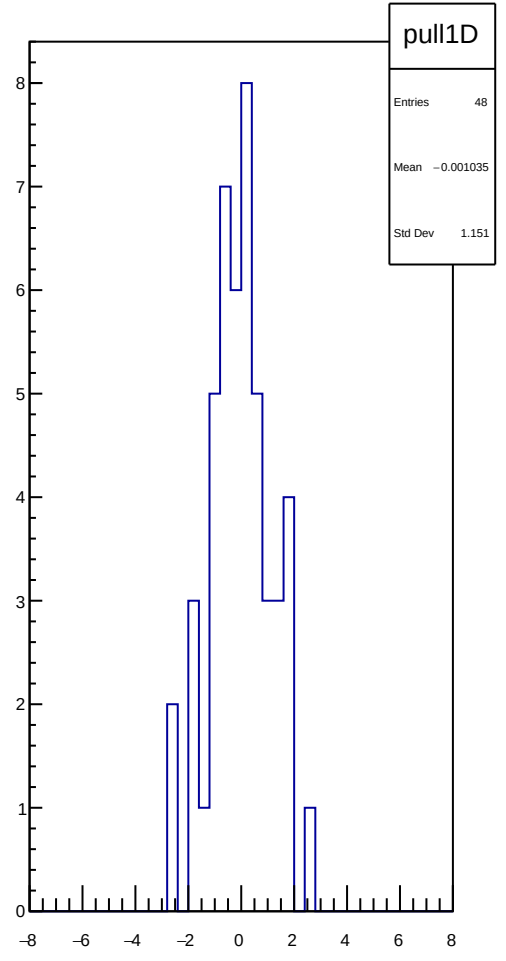

asym_right_dd_correction_rms vs run
χ² / ndf 2754 / 47
p0 36.17 ± 0.03678
40
38
36
34
32
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

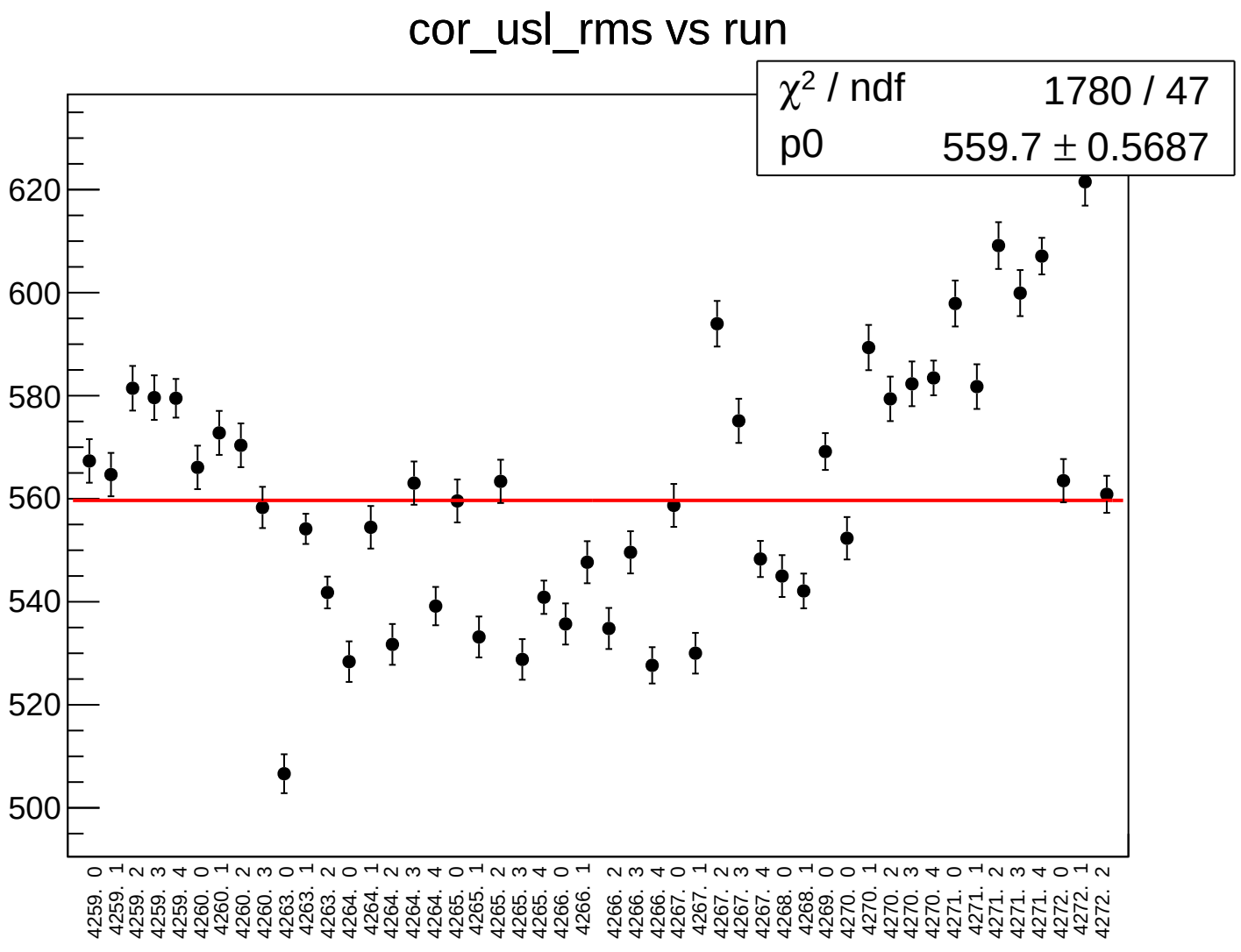

asym_right_dd_mean vs run
χ² / ndf 50.48 / 47
p0 0.1252 ± 65.38
1500
1000
500
0
−500
−1000
−1500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −81.99
Std Dev 100
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

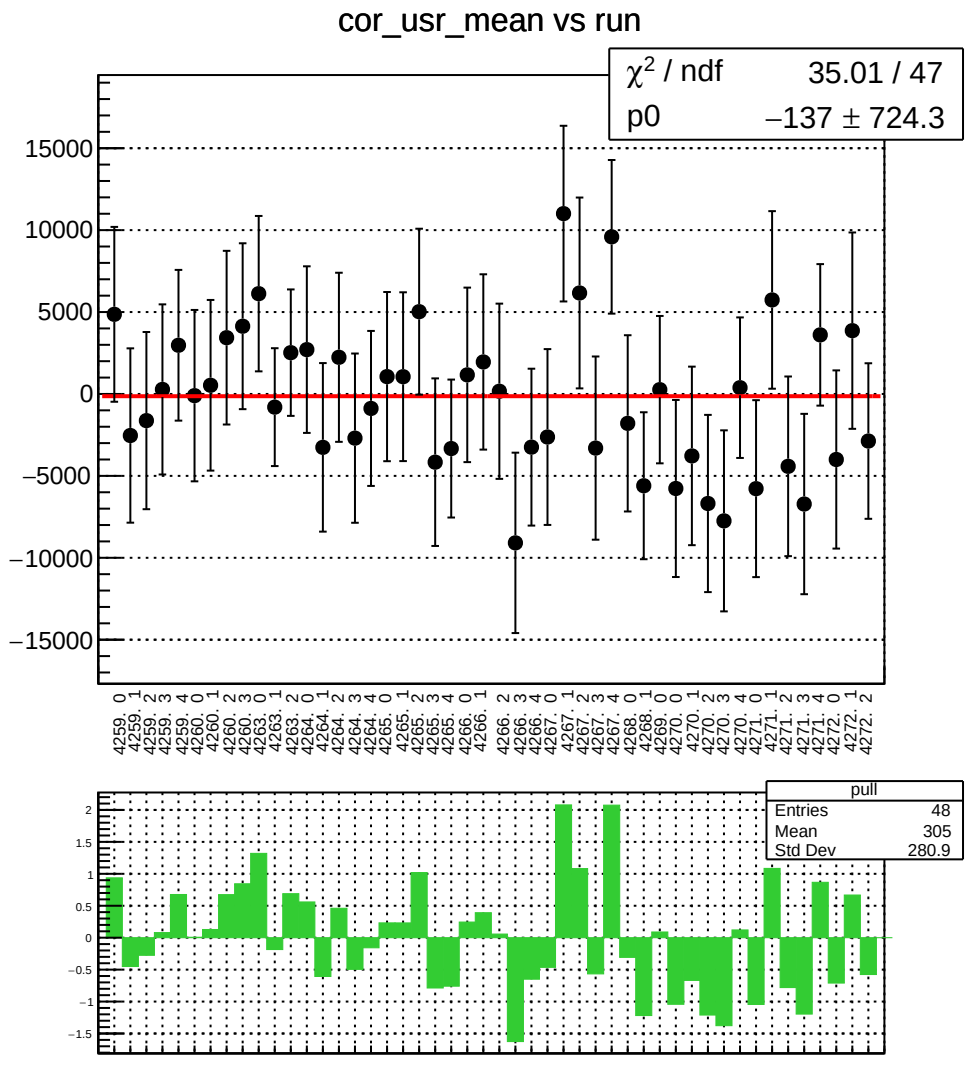

pull1D
Entries 48
Mean 0.01803
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

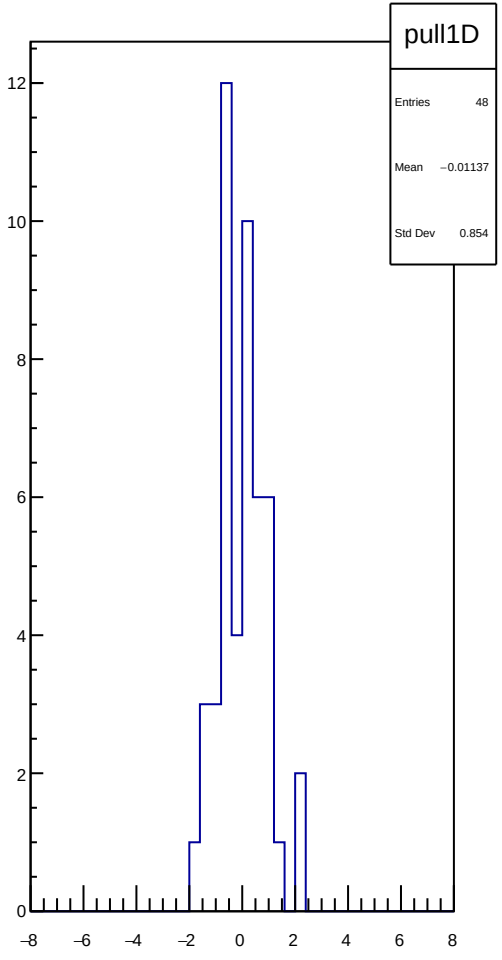

asym_right_dd_rms vs run
χ^2 / ndf 1097 / 47
p0 45.51 ± 0.04623
49
48
47
46
45
44
43
42
41
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

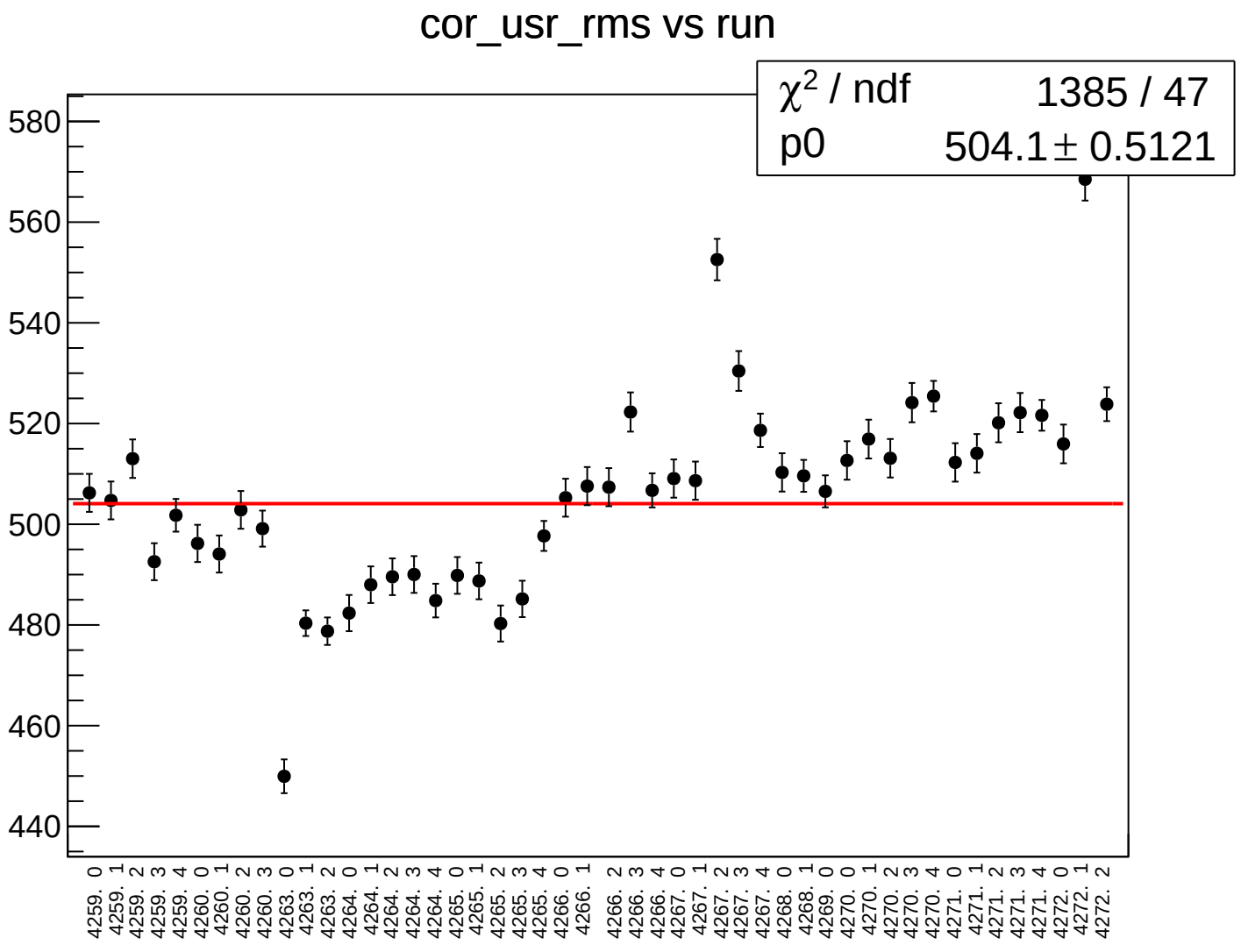

cor_usl_mean vs run
χ² / ndf 63.62 / 47
p0 434.3 ± 804.3
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −703.2
Std Dev 711.6
2
1
0
−1
−2

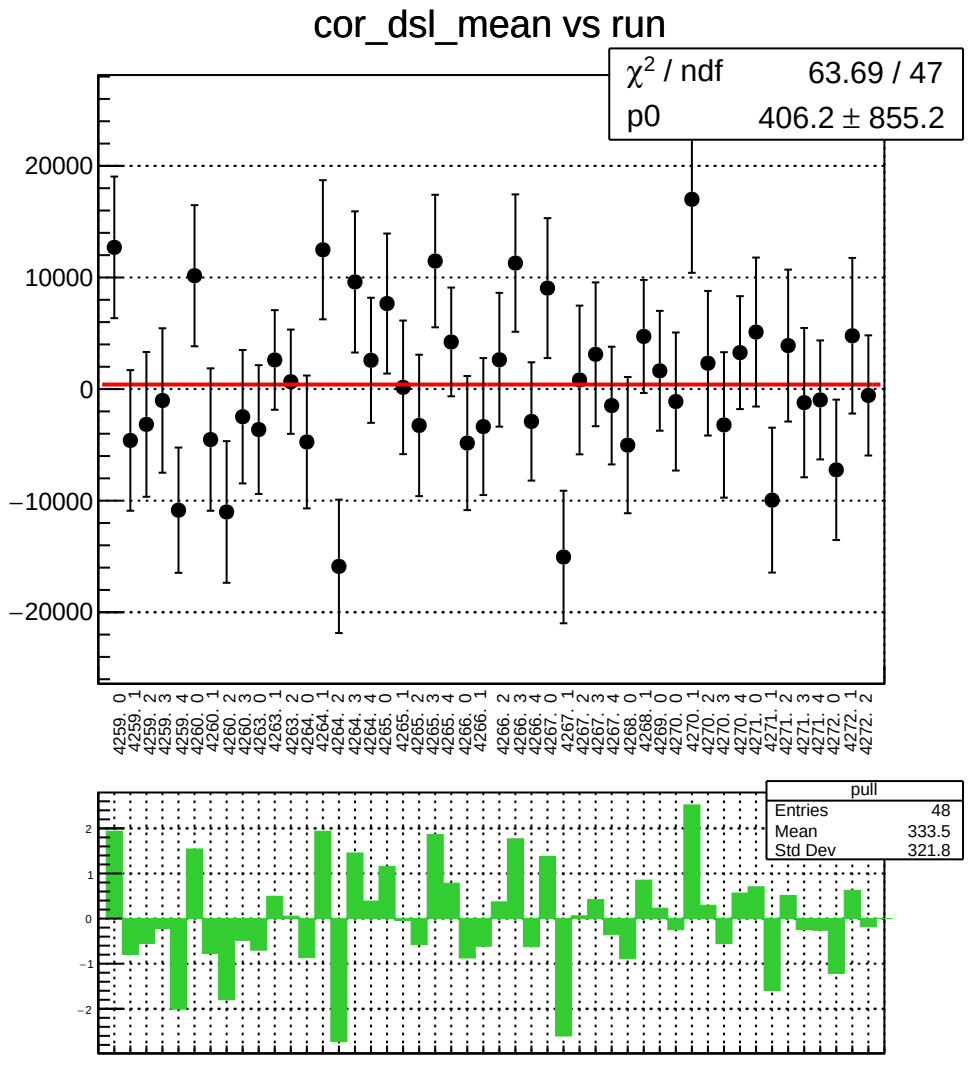

pull1D
Entries 48
Mean −0.001035
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

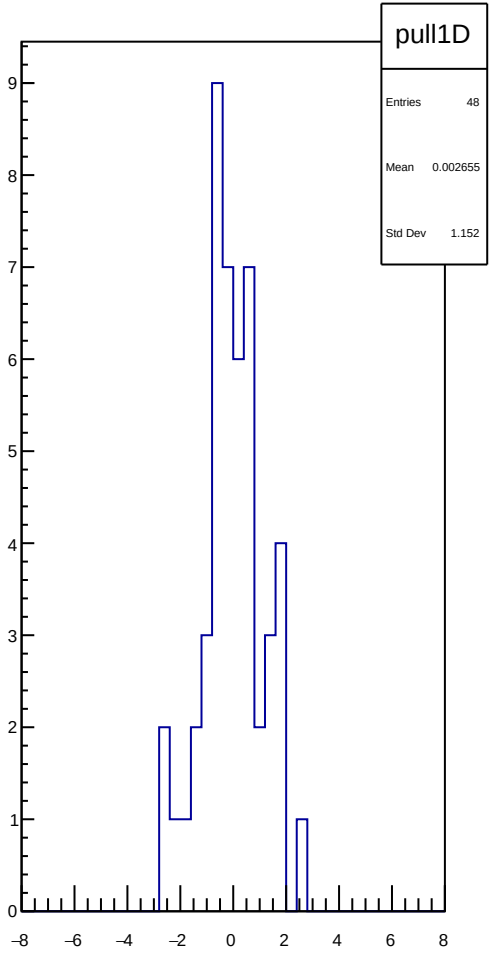

cor_usl_rms vs run
χ² / ndf 1780 / 47
p0 559.7 ± 0.5687
620
600
580
560
540
520
500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

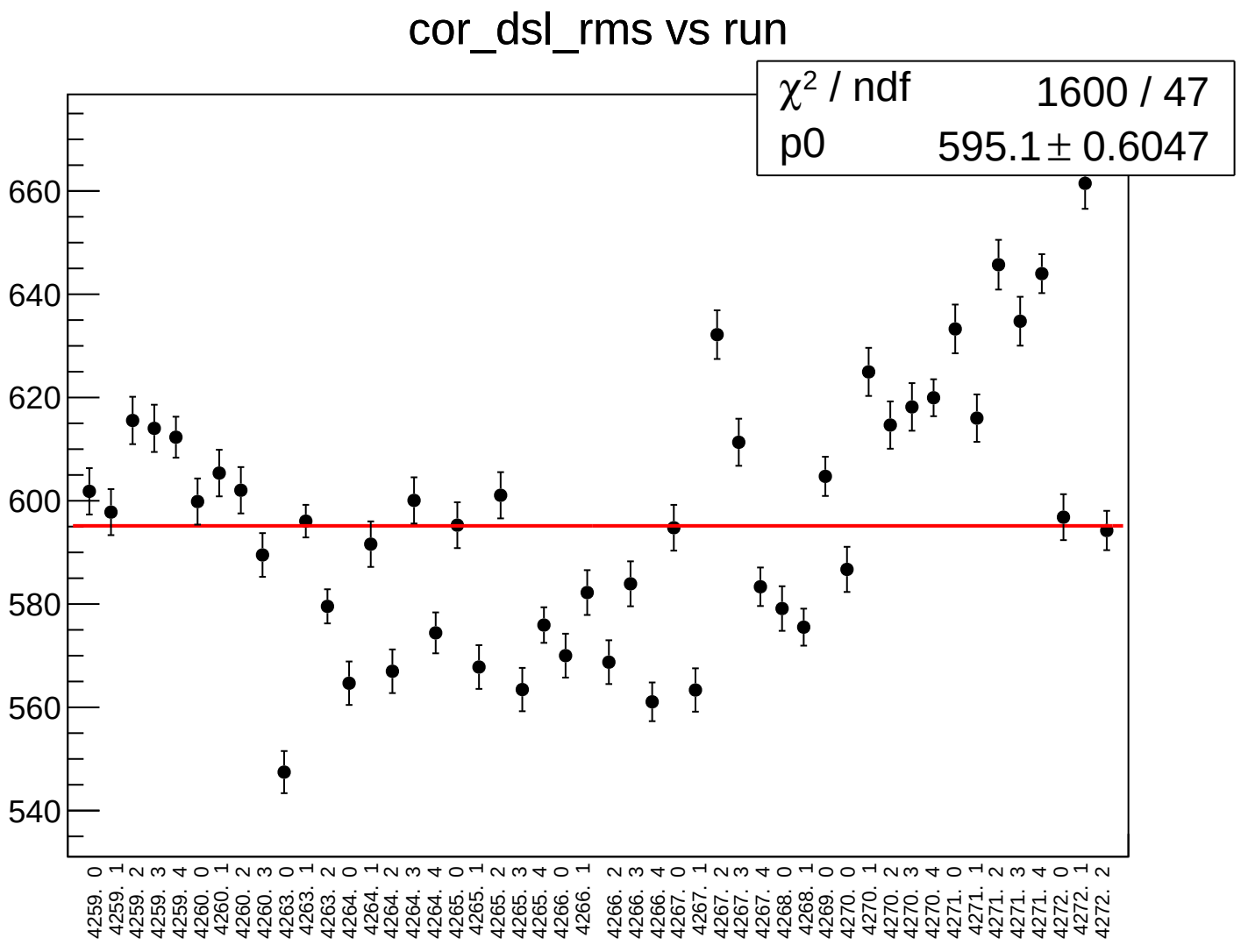

cor_usr_mean vs run
χ² / ndf 35.01 / 47
p0 −137 ± 724.3
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 305
Std Dev 280.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

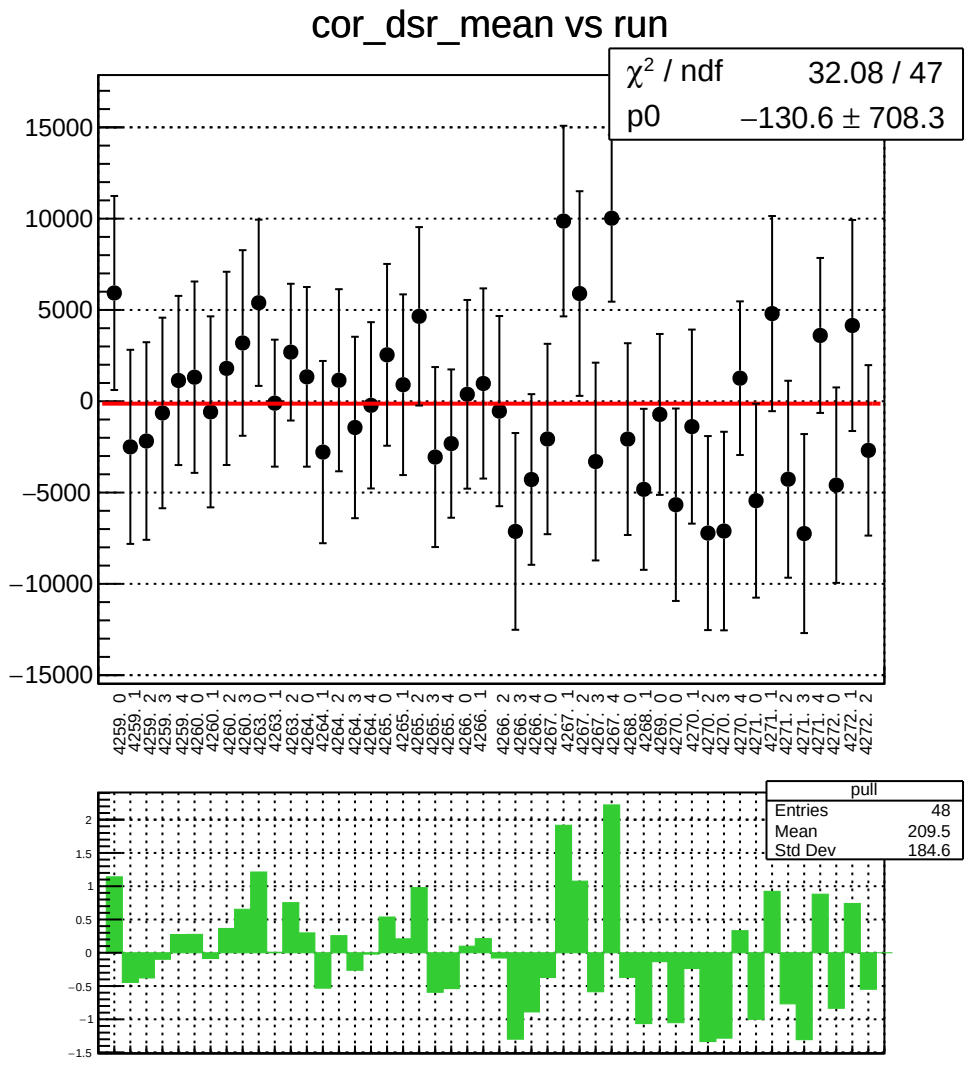

pull1D
Entries 48
Mean −0.01137
Std Dev 0.854
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

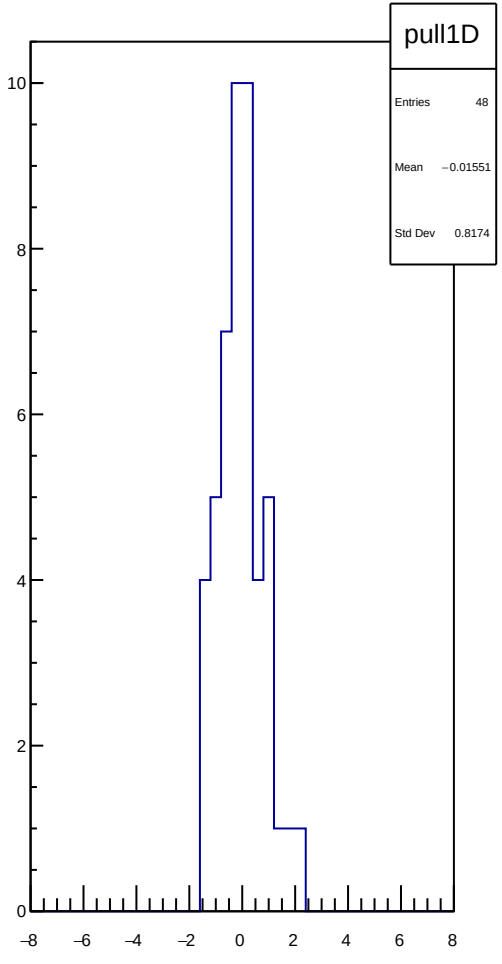

cor_usr_rms vs run
χ^2 / ndf 1385 / 47
p0 504.1 ± 0.5121
580
560
540
520
500
480
460
440
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

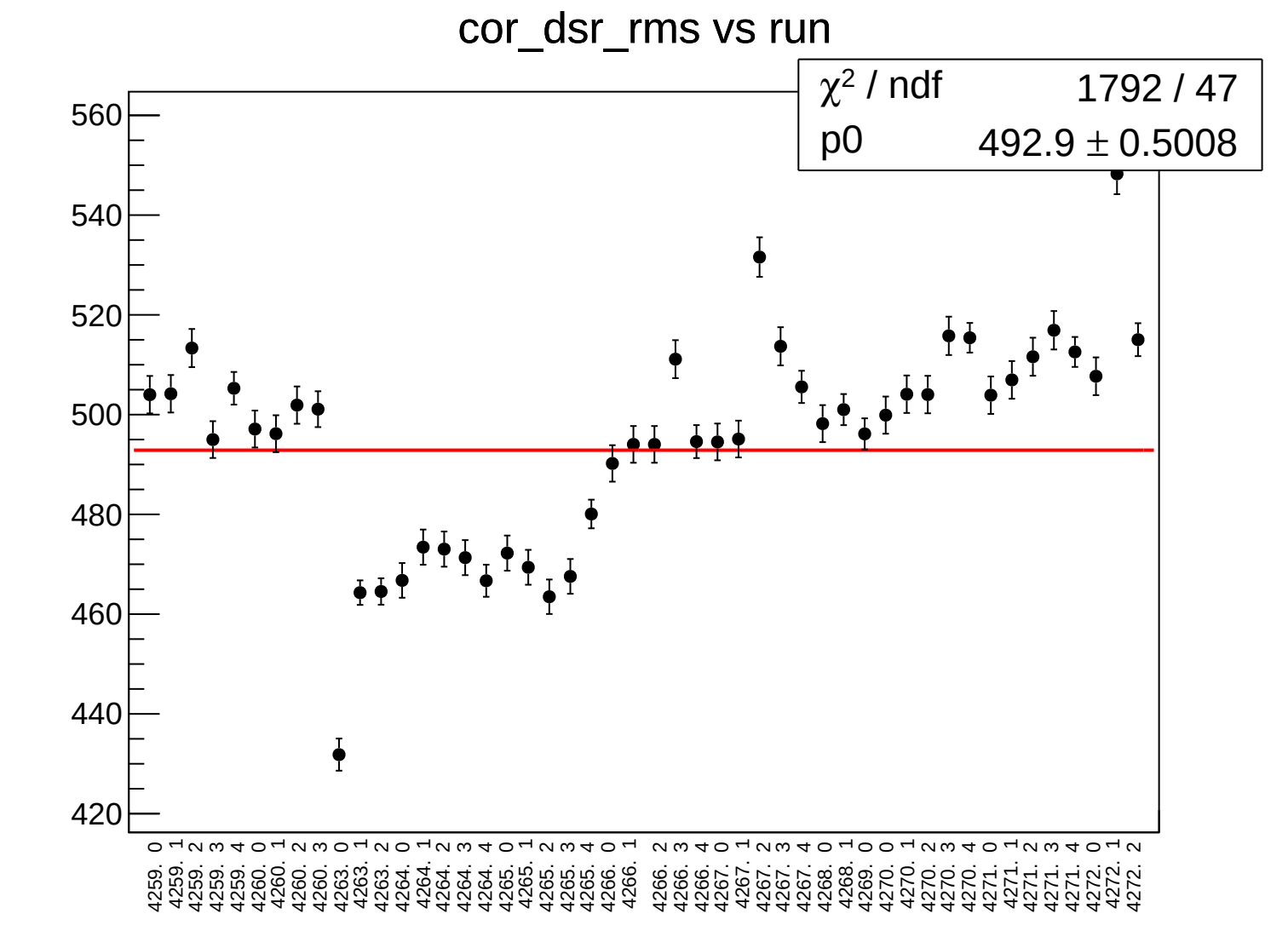

cor_dsl_mean vs run
χ² / ndf 63.69 / 47
p0 406.2 ± 855.2
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 333.5
Std Dev 321.8
2
1
0
−1
−2

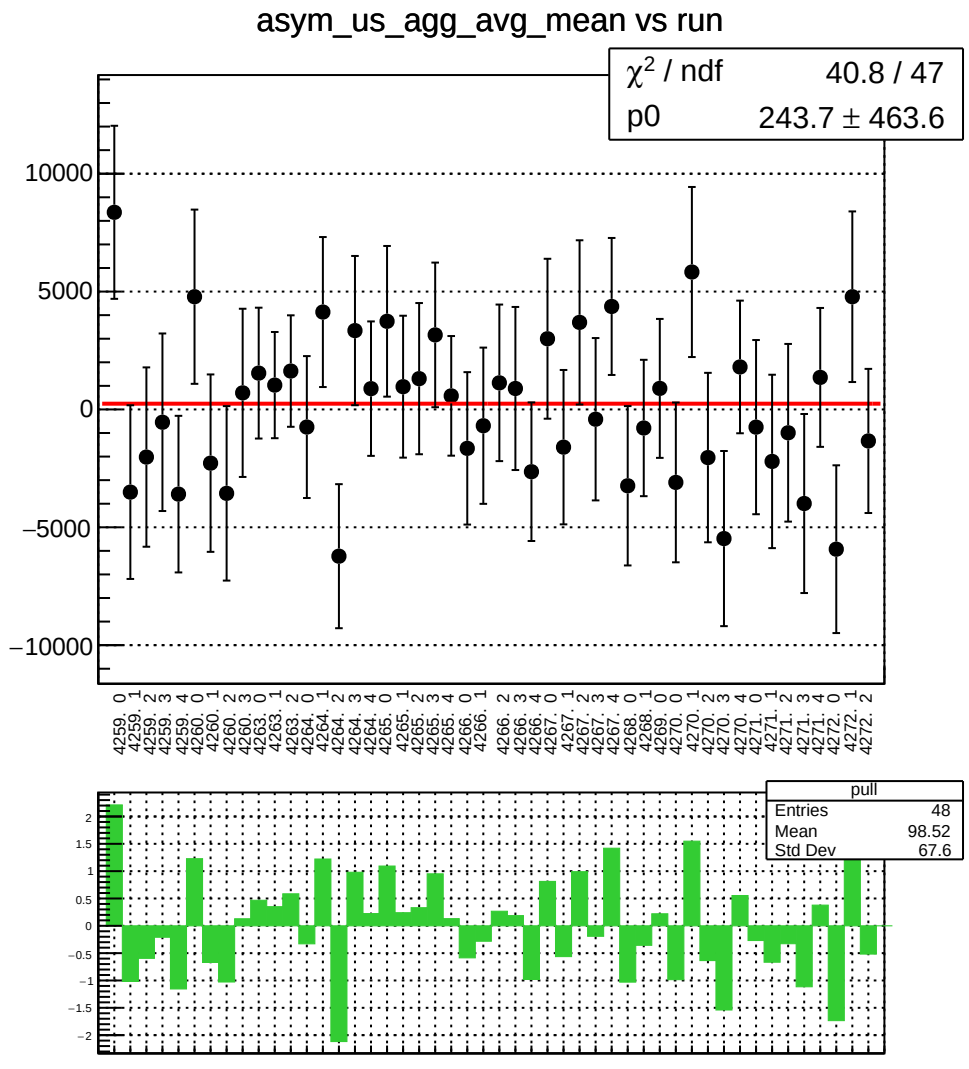

pull1D
Entries 48
Mean 0.002655
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

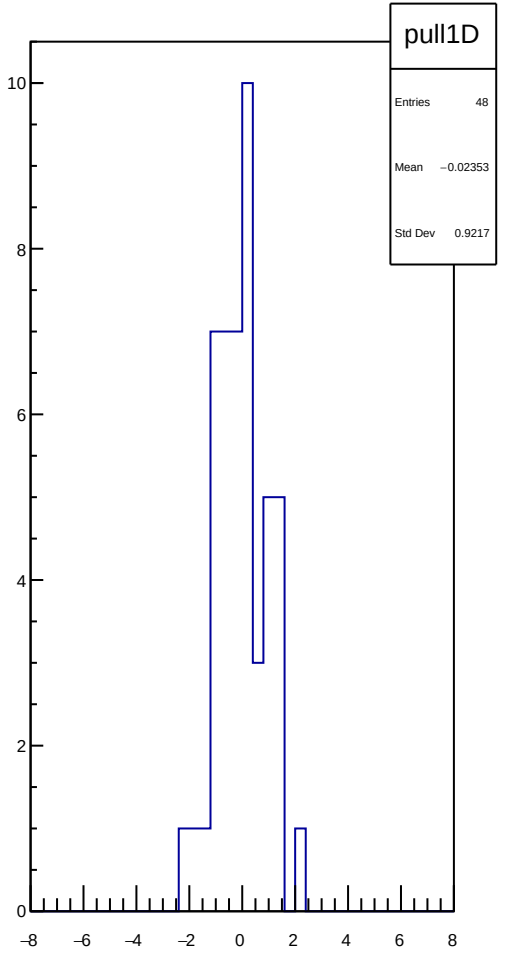

cor_dsl_rms vs run
χ² / ndf 1600 / 47
p0 595.1 ± 0.6047
660
640
620
600
580
560
540
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

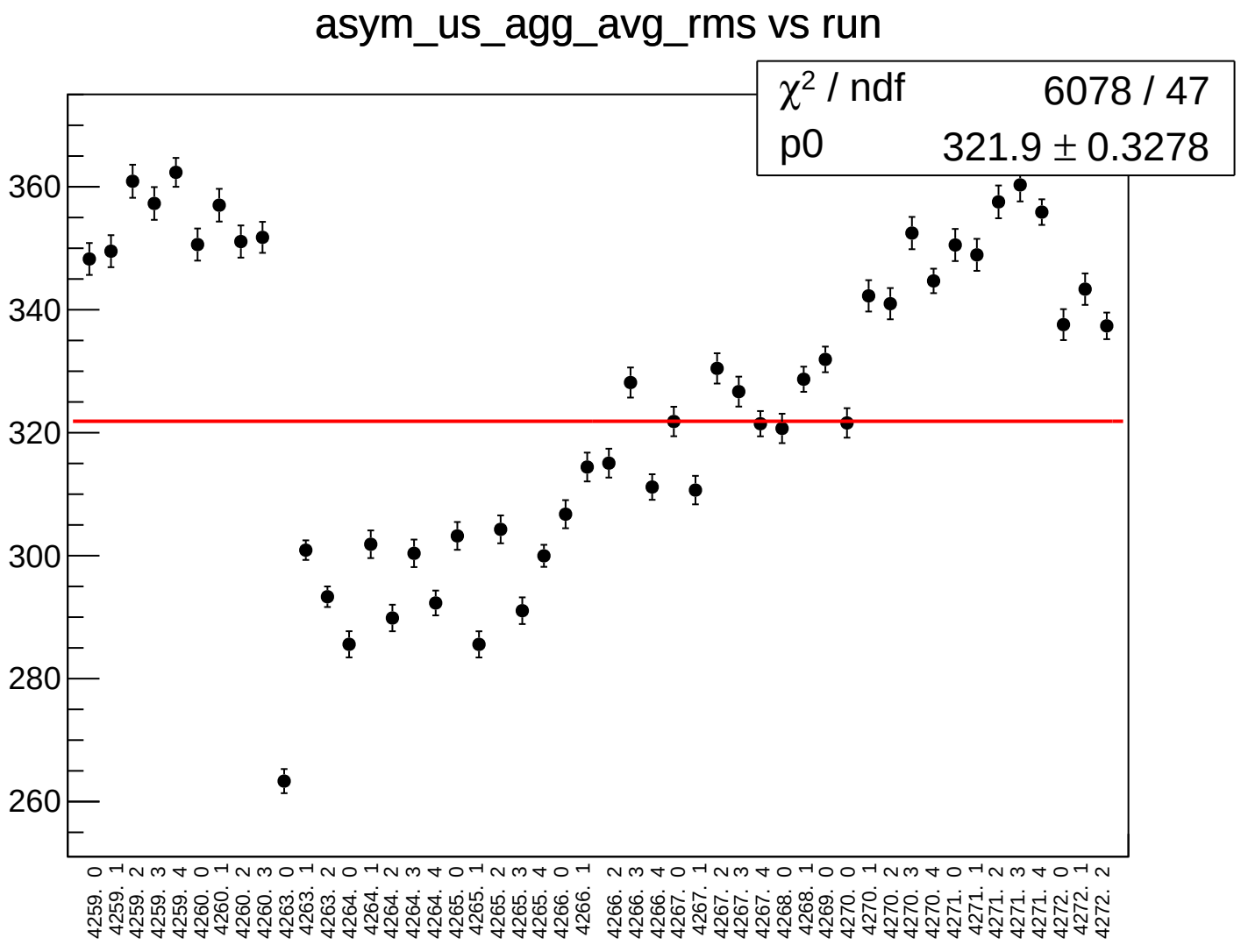

cor_dsr_mean vs run
χ² / ndf 32.08 / 47
p0 −130.6 ± 708.3
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 209.5
Std Dev 184.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

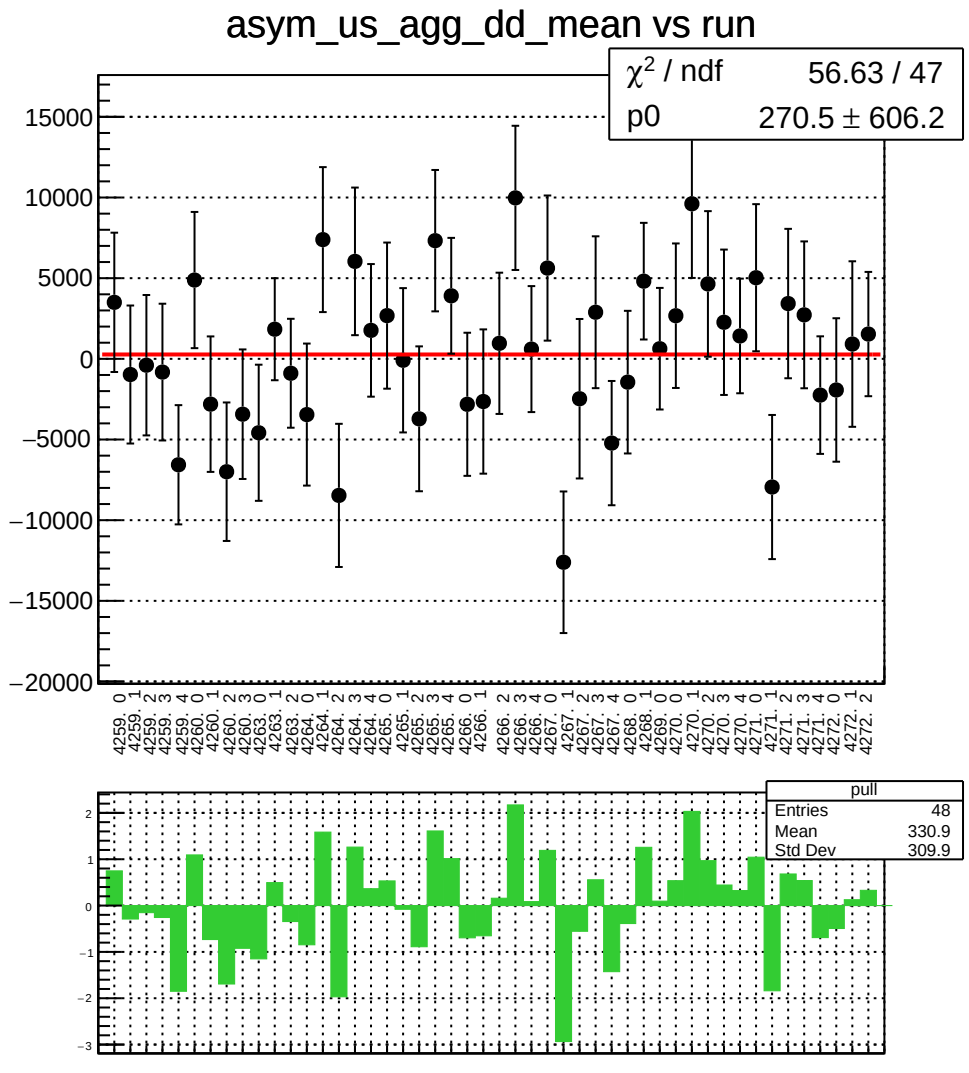

pull1D
Entries 48
Mean −0.01551
Std Dev 0.8174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

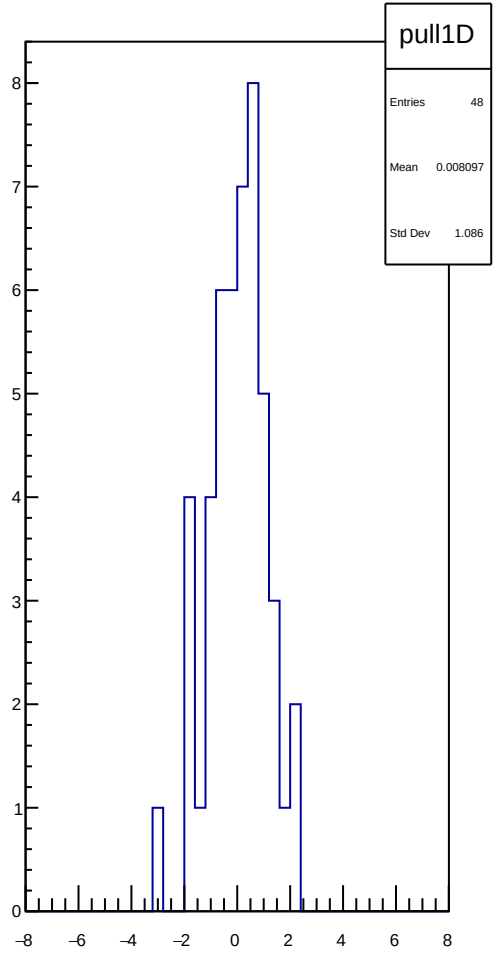

cor_dsr_rms vs run
χ² / ndf 1792 / 47
p0 492.9 ± 0.5008
560
540
520
500
480
460
440
420
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_us_agg_avg_mean vs run
χ^2 / ndf 40.8 / 47
p0 243.7 ± 463.6
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 98.52
Std Dev 67.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 48
Mean −0.02353
Std Dev 0.9217
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_agg_avg_rms vs run
χ² / ndf 6078 / 47
p0 321.9 ± 0.3278
360
340
320
300
280
260
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_us_agg_dd_mean vs run
χ² / ndf 56.63 / 47
p0 270.5 ± 606.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 330.9
Std Dev 309.9
2
1
0
−1
−2
−3


pull1D
Entries 48
Mean 0.008097
Std Dev 1.086
8
7
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5
4
3
2
1
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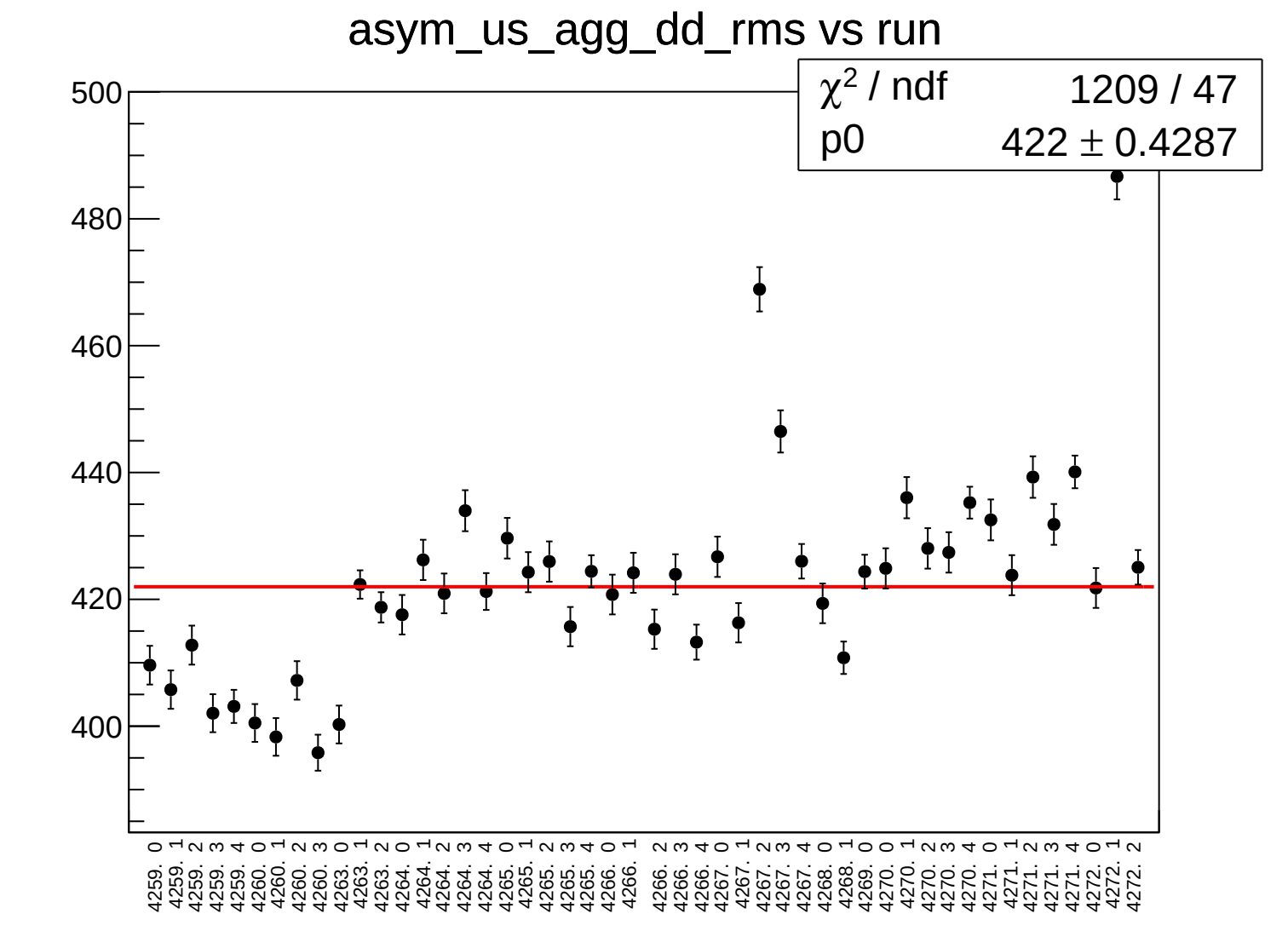
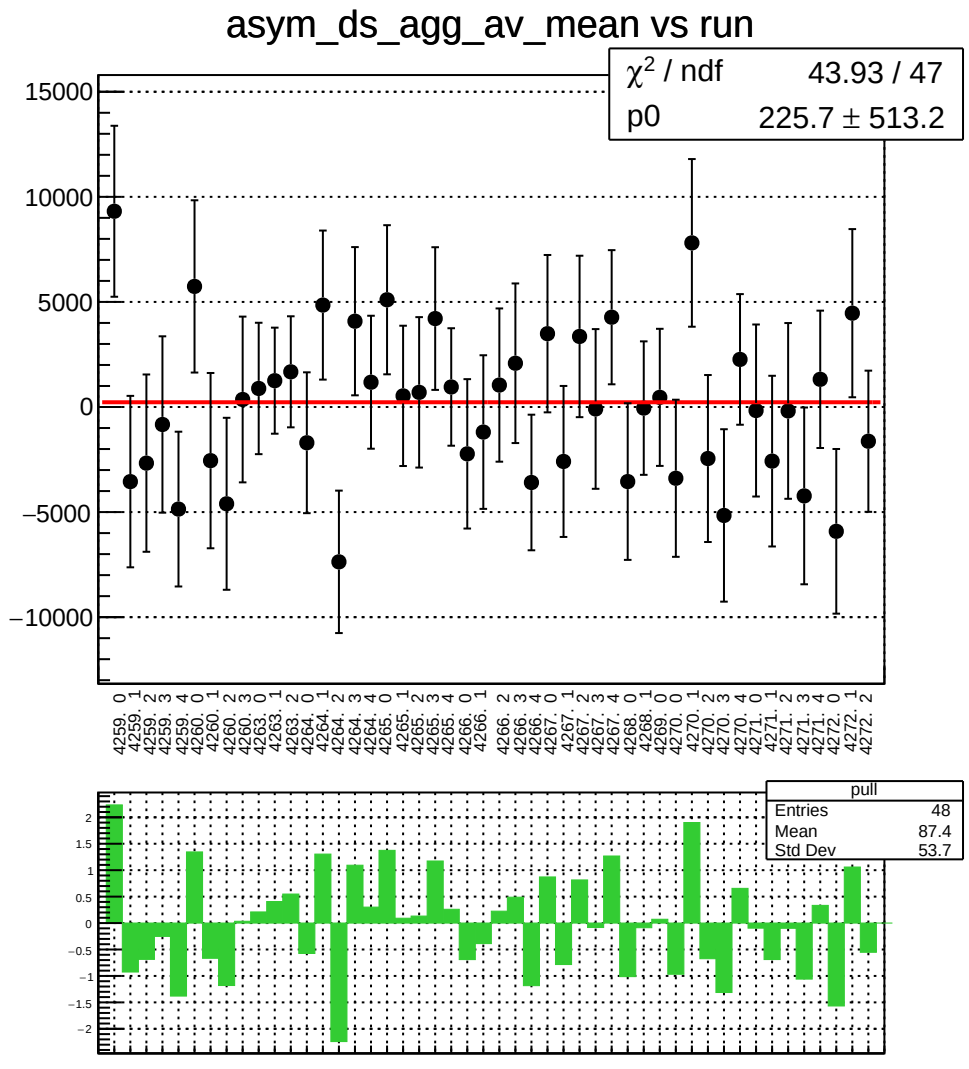
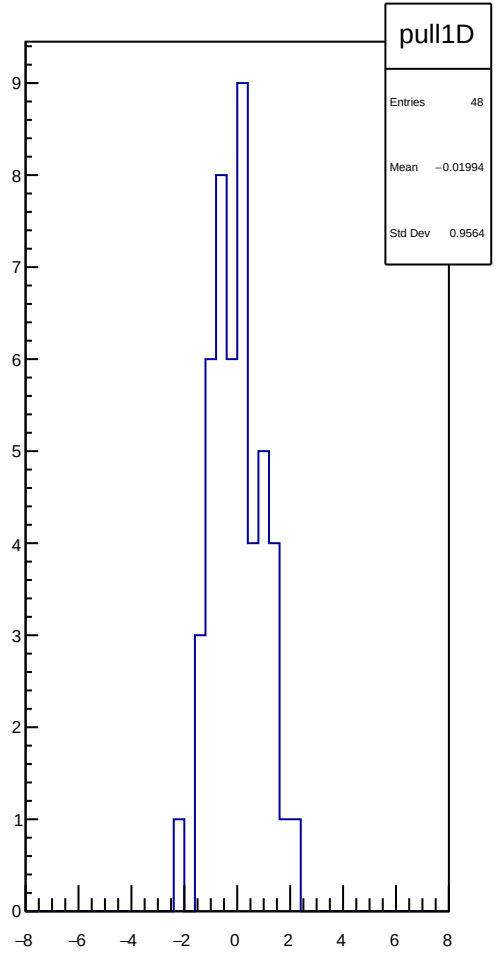
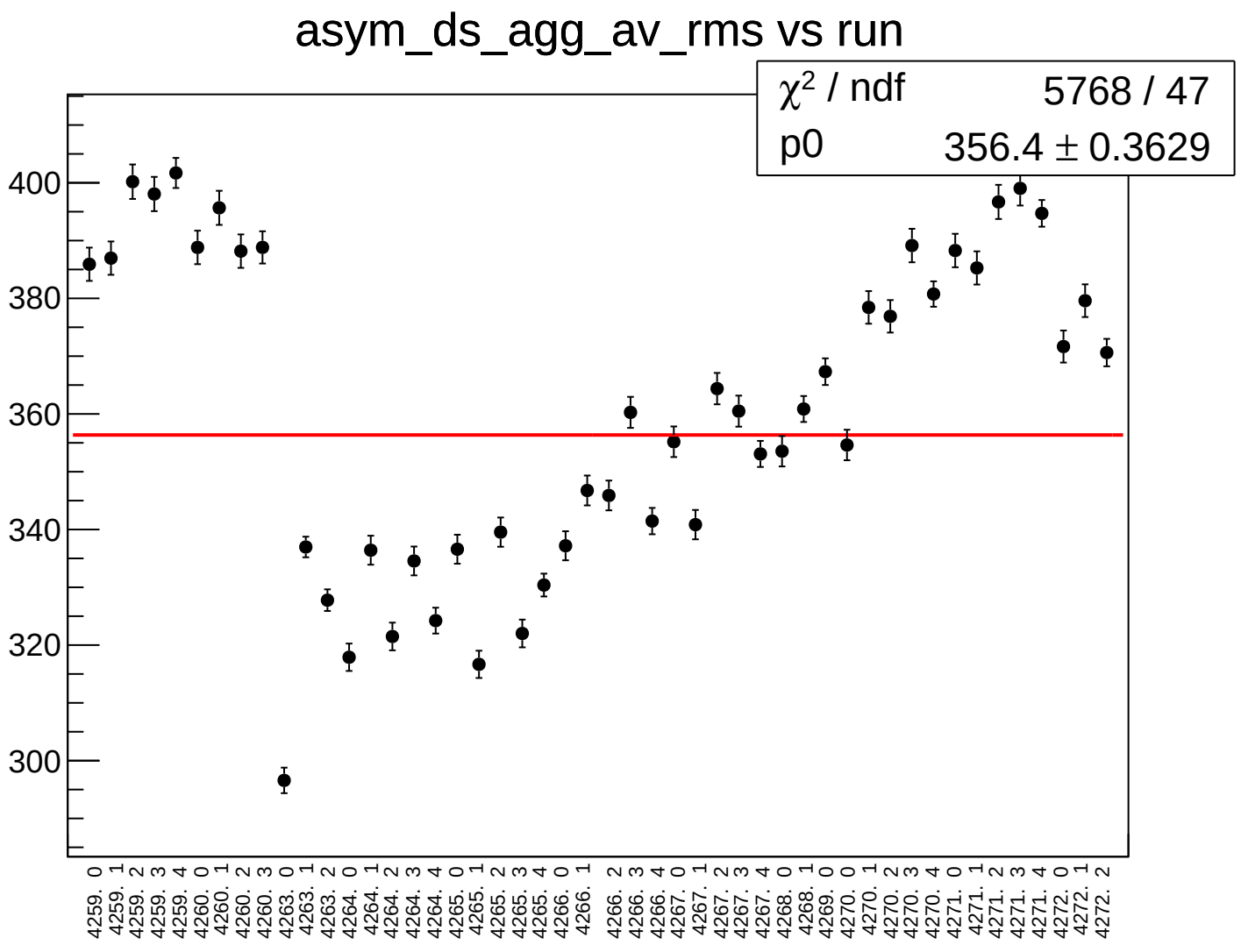
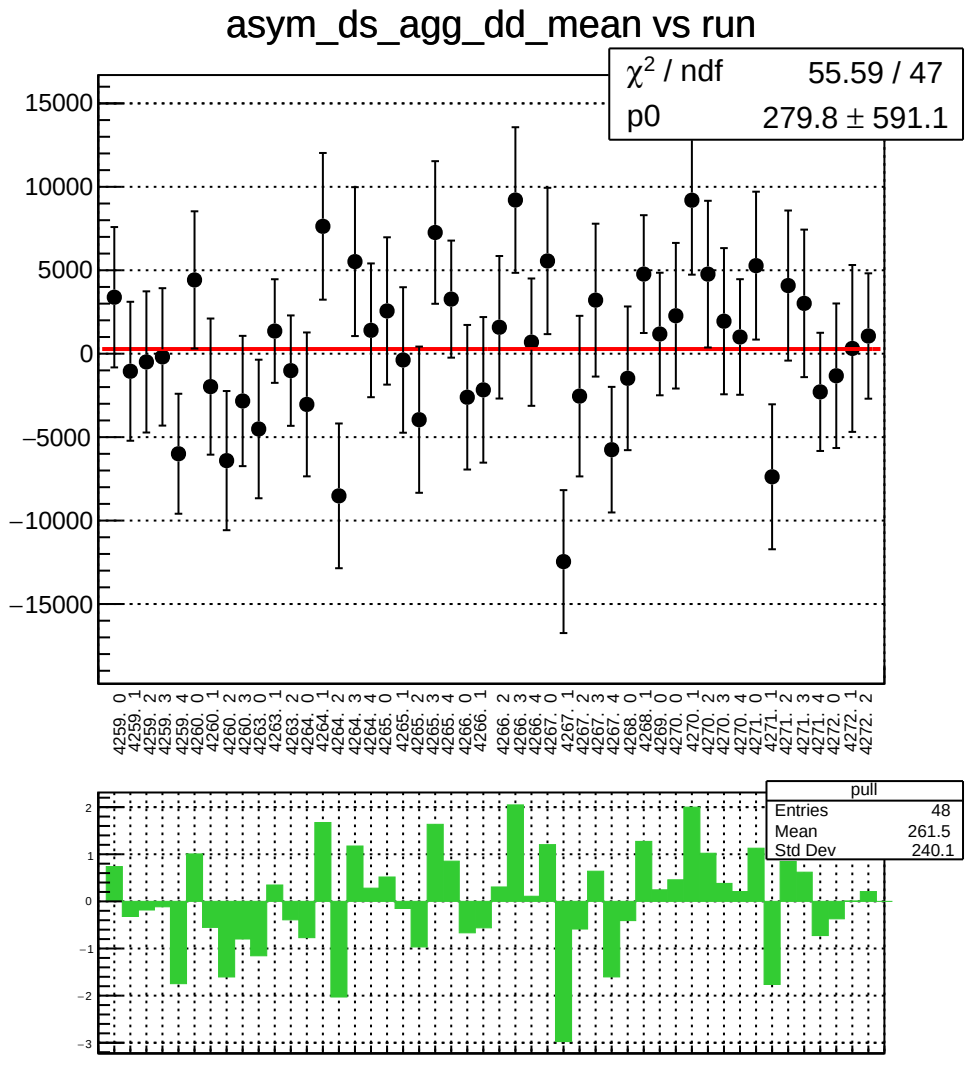
−8
−6
−4
−2
0
2
4
6
8

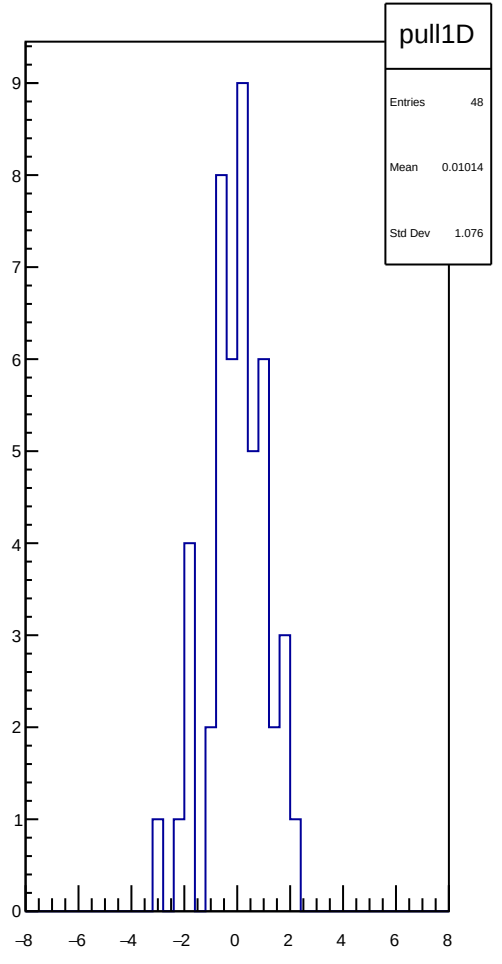

asym_us_agg_dd_rms vs run
χ² / ndf 1209 / 47
p0 422 ± 0.4287
500
480
460
440
420
400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

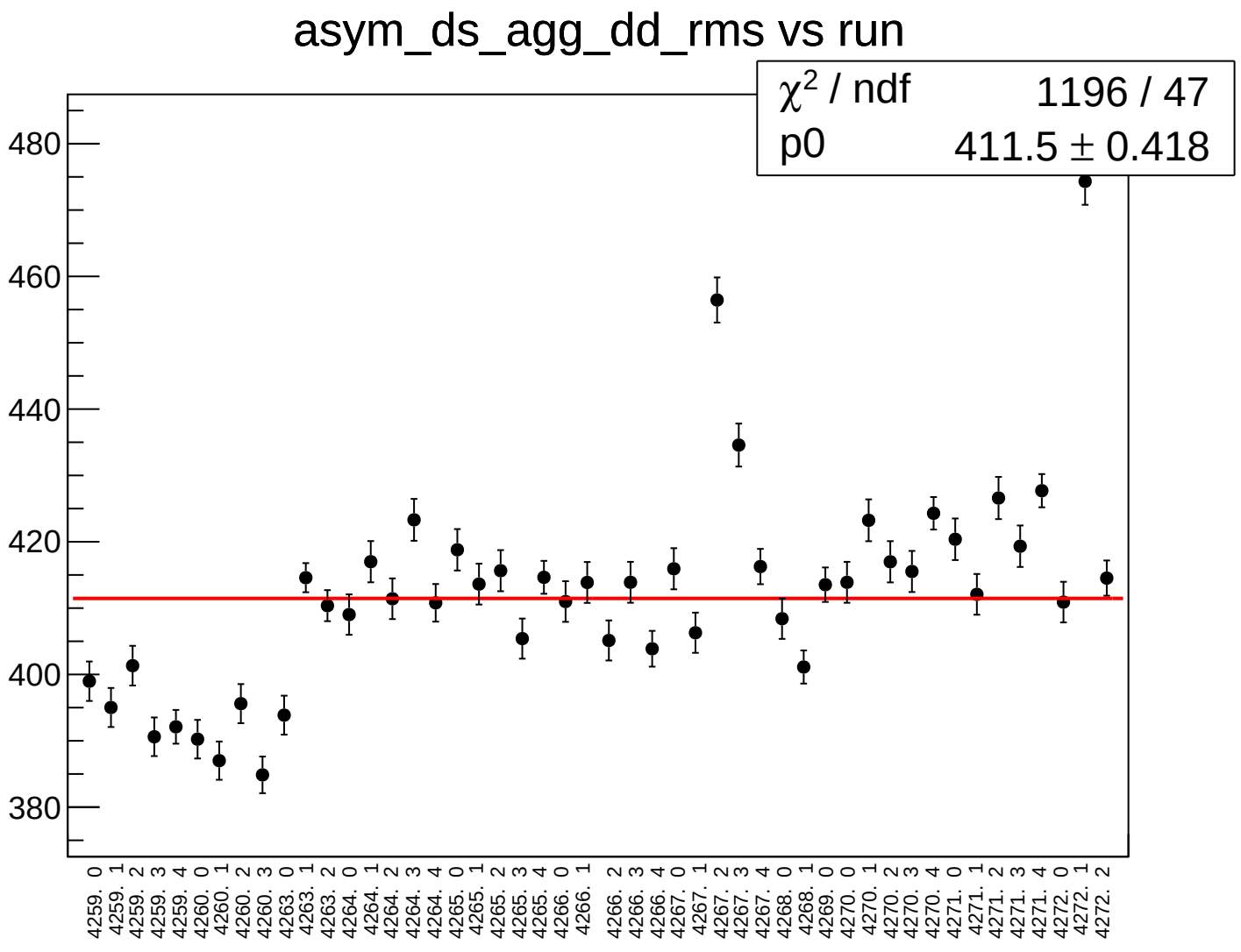

asym_ds_agg_av_mean vs run
χ² / ndf 43.93 / 47
p0 225.7 ± 513.2
15000
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 87.4
Std Dev 53.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

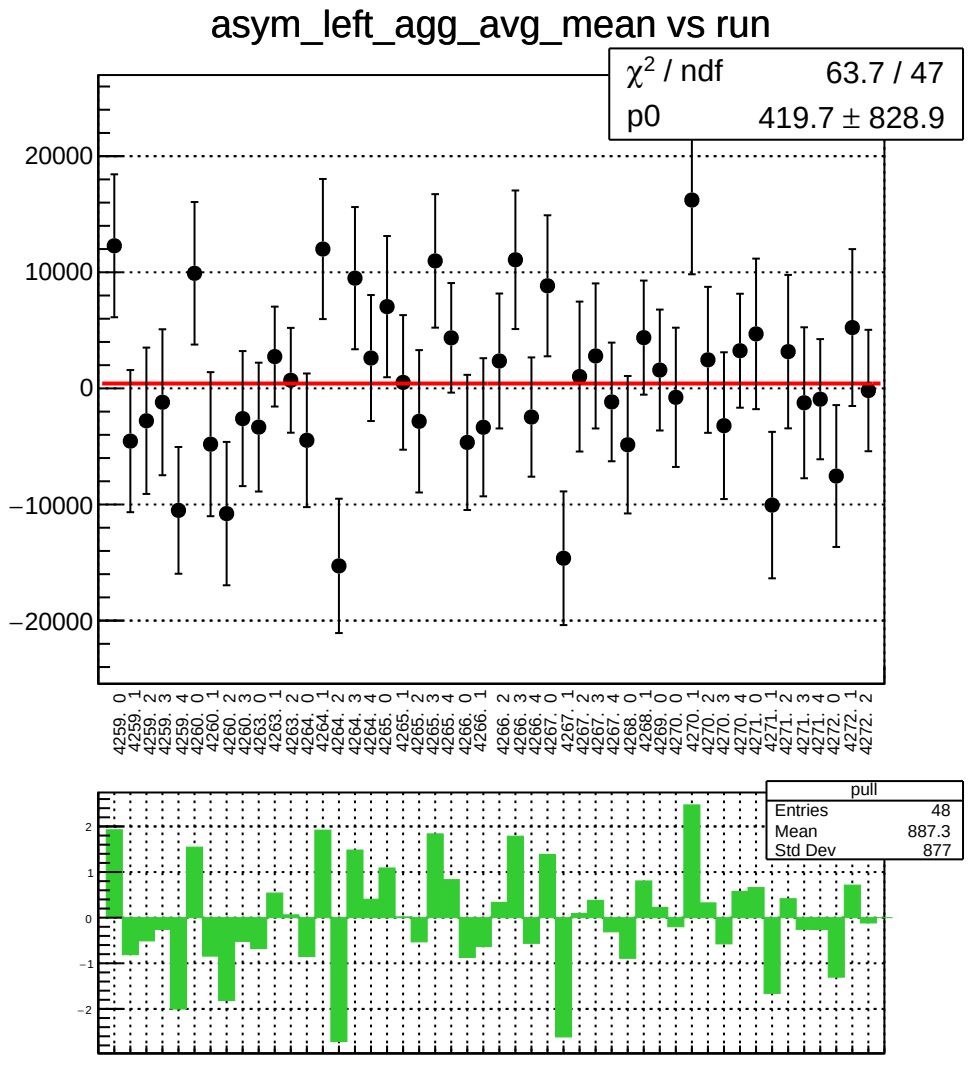

pull1D
Entries 48
Mean −0.01994
Std Dev 0.9564
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

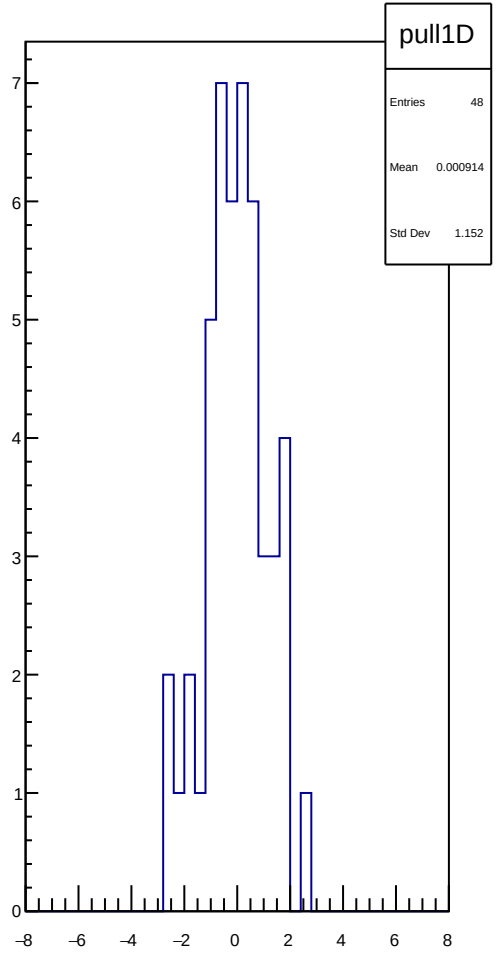

asym_ds_agg_av_rms vs run
χ² / ndf 5768 / 47
p0 356.4 ± 0.3629
400
380
360
340
320
300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

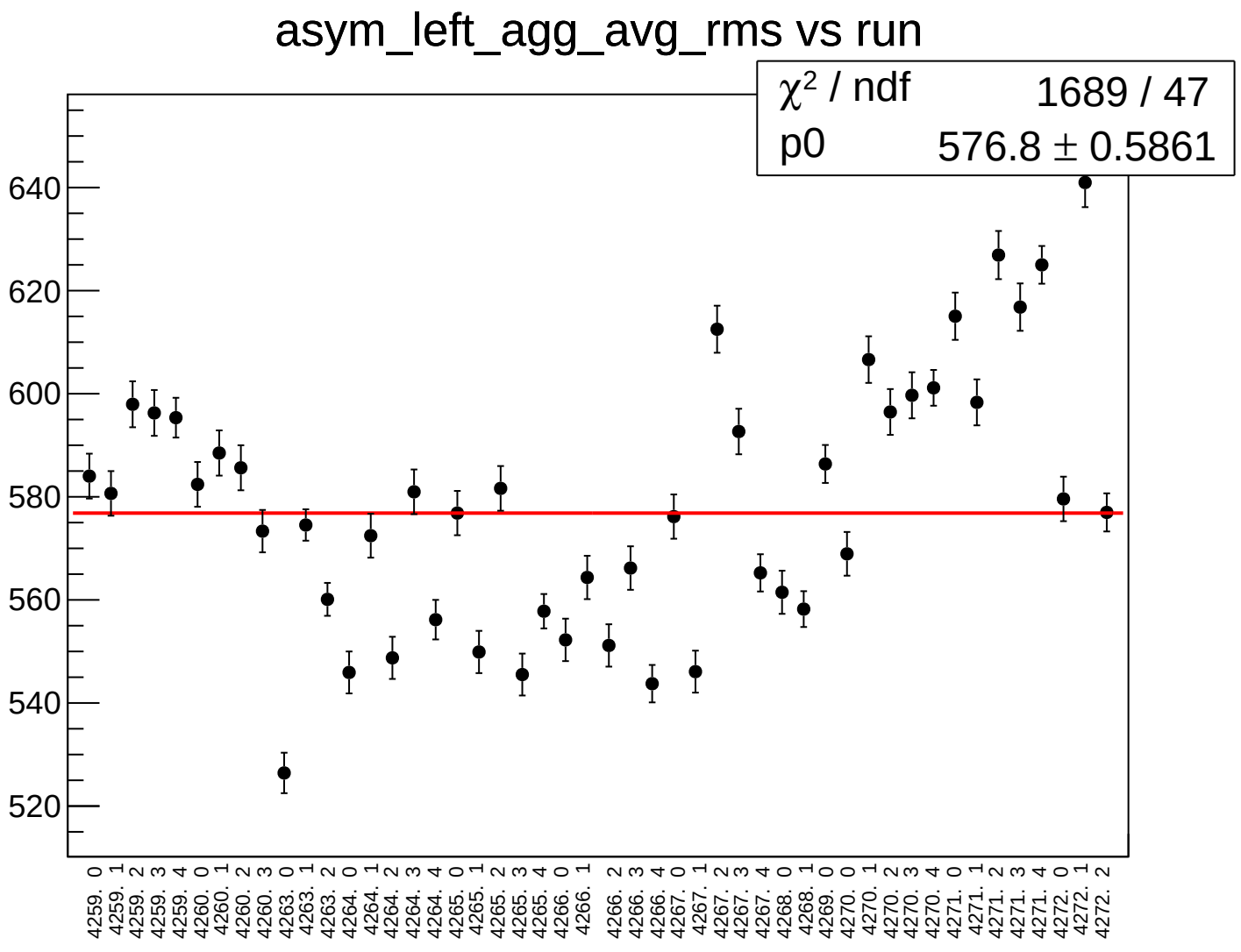

asym_ds_agg_dd_mean vs run
χ² / ndf 55.59 / 47
p0 279.8 ± 591.1
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 261.5
Std Dev 240.1
2
1
0
−1
−2
−3

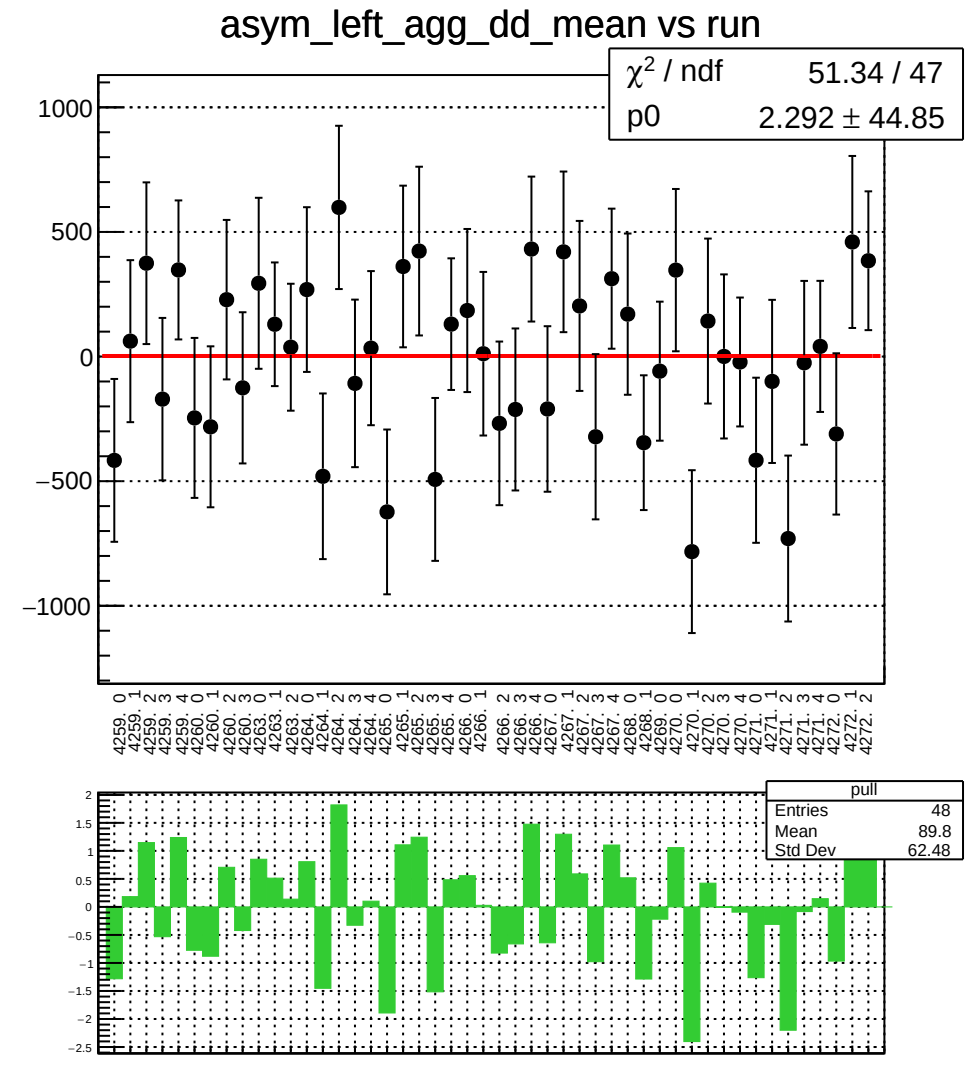

pull1D
Entries 48
Mean 0.01014
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

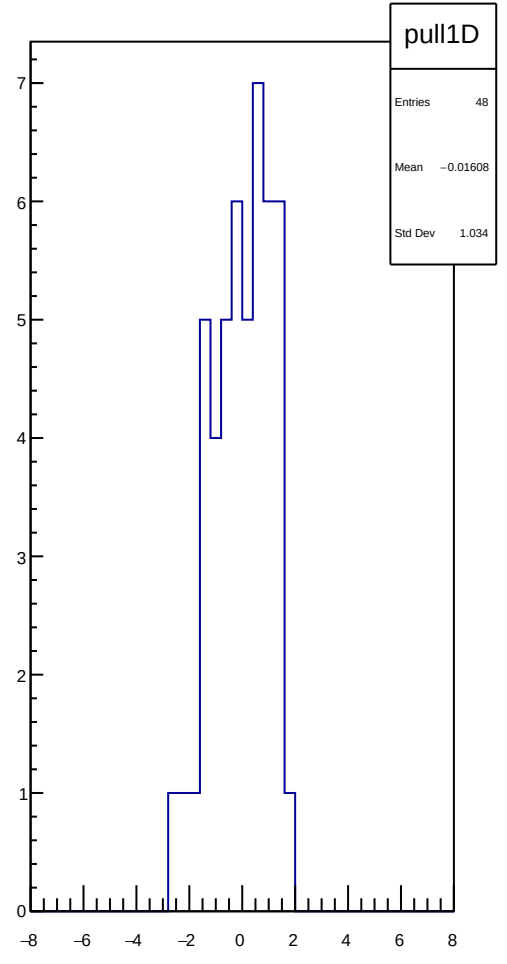

asym_ds_agg_dd_rms vs run
χ^2 / ndf 1196 / 47
p0 411.5 ± 0.418
480
460
440
420
400
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

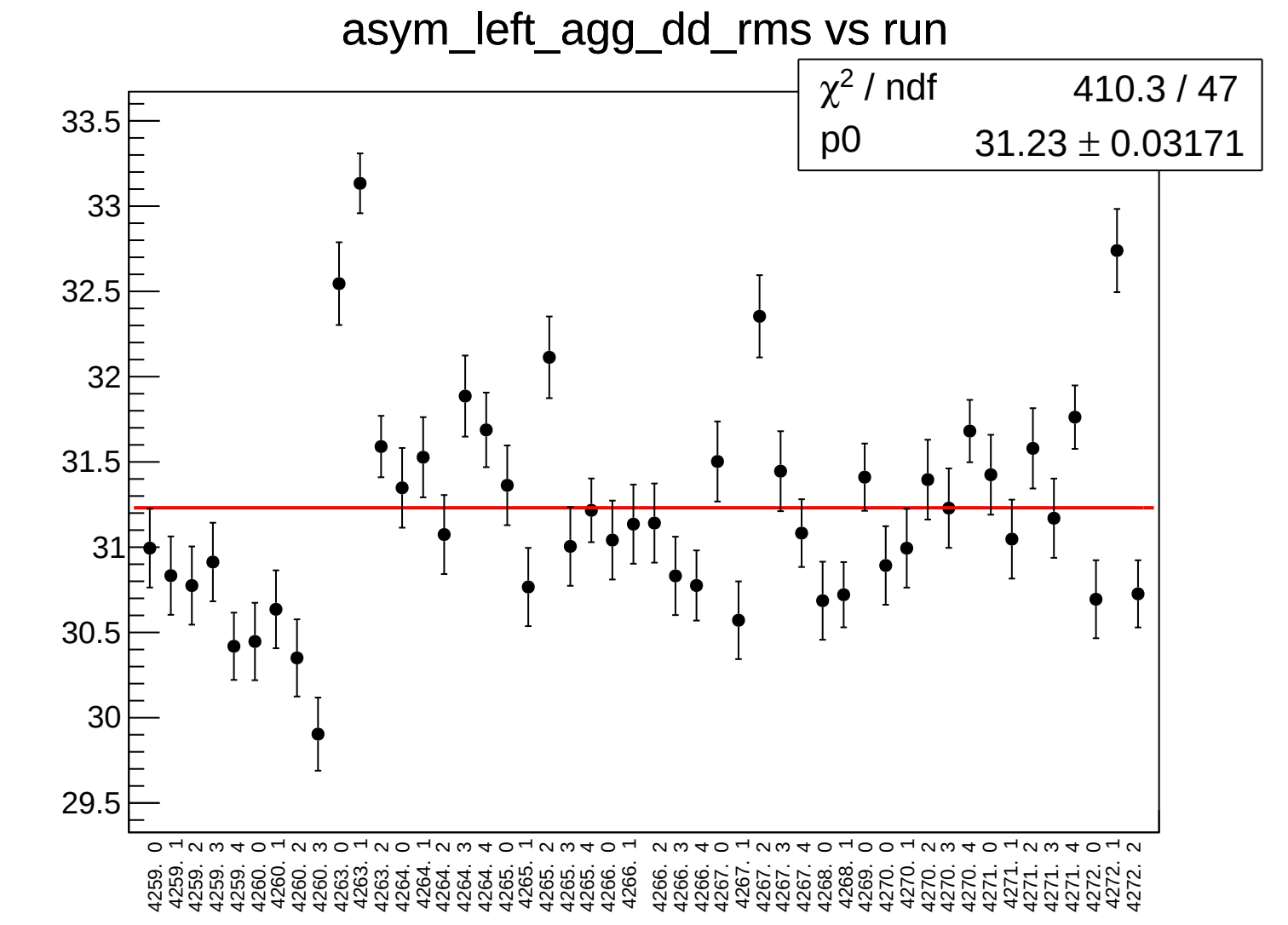

asym_left_agg_avg_mean vs run
χ² / ndf 63.7 / 47
p0 419.7 ± 828.9
20000
10000
0
−10000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 887.3
Std Dev 877
2
1
0
−1
−2

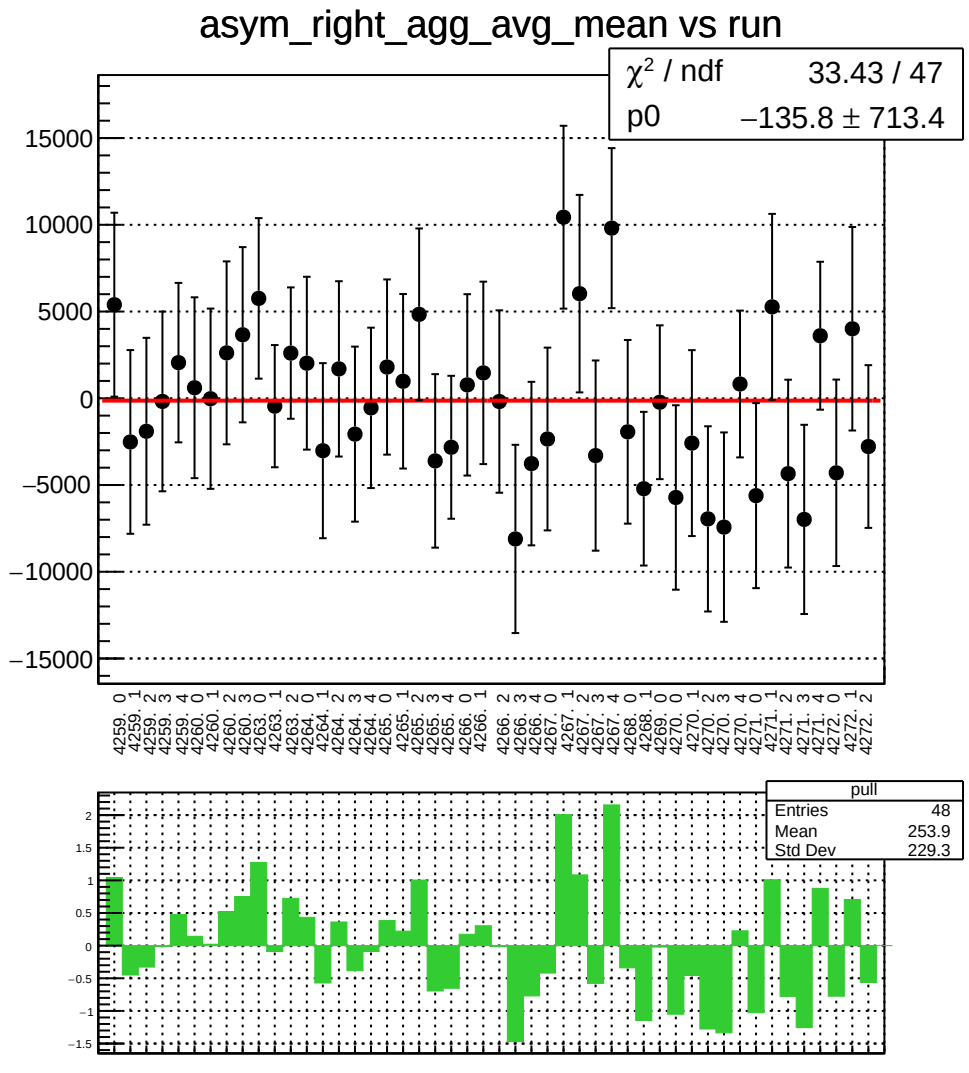

pull1D
Entries 48
Mean 0.000914
Std Dev 1.152
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

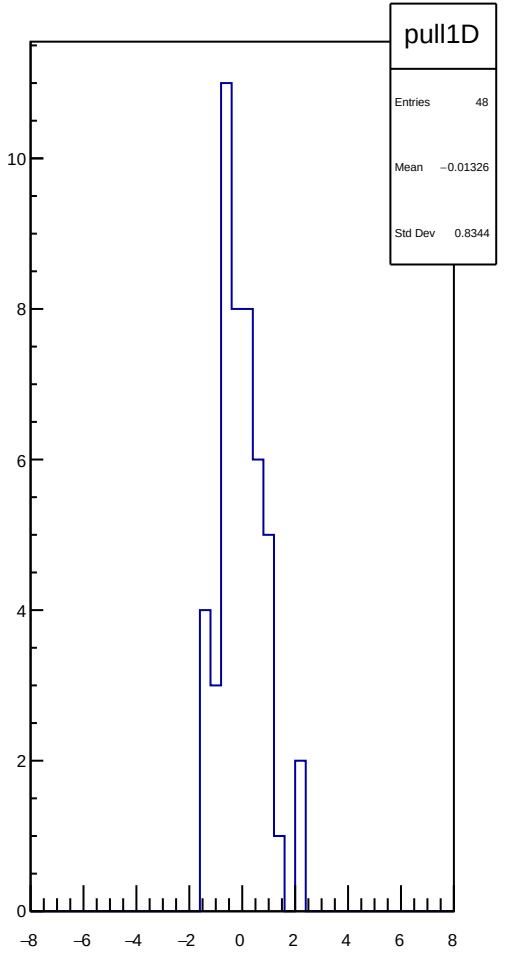

asym_left_agg_avg_rms vs run
χ² / ndf 1689 / 47
p0 576.8 ± 0.5861
640
620
600
580
560
540
520
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

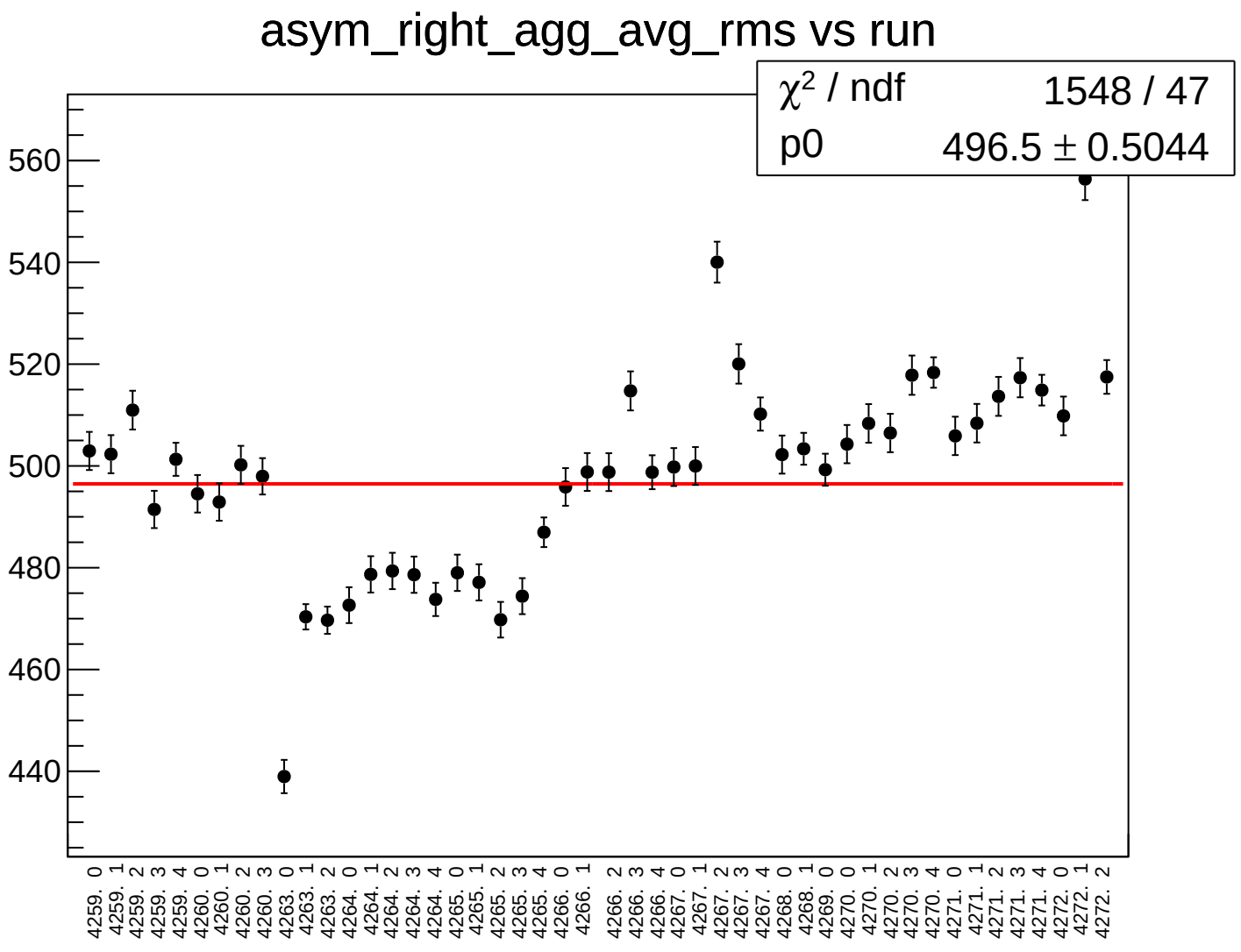

asym_left_agg_dd_mean vs run
χ² / ndf 51.34 / 47
p0 2.292 ± 44.85
1000
500
0
−500
−1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 89.8
Std Dev 62.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

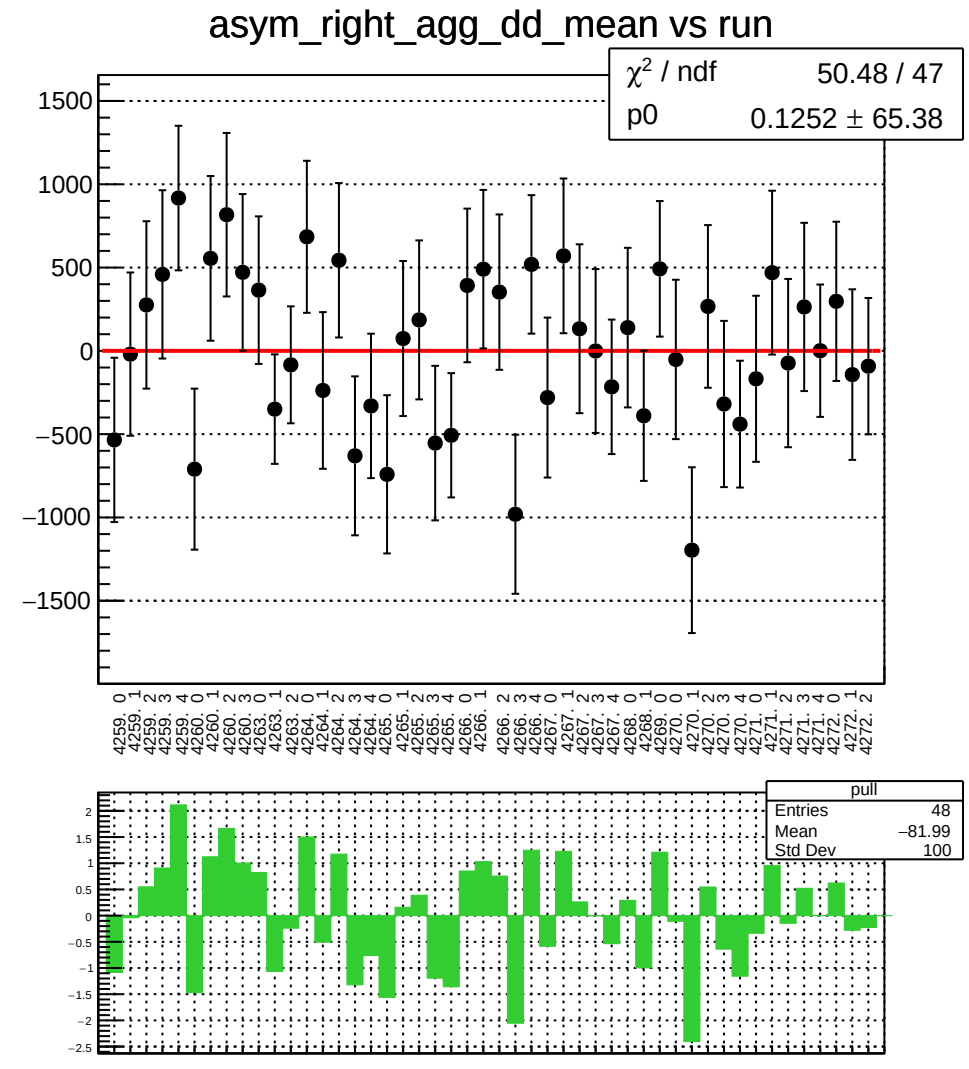

pull1D
Entries 48
Mean −0.01608
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

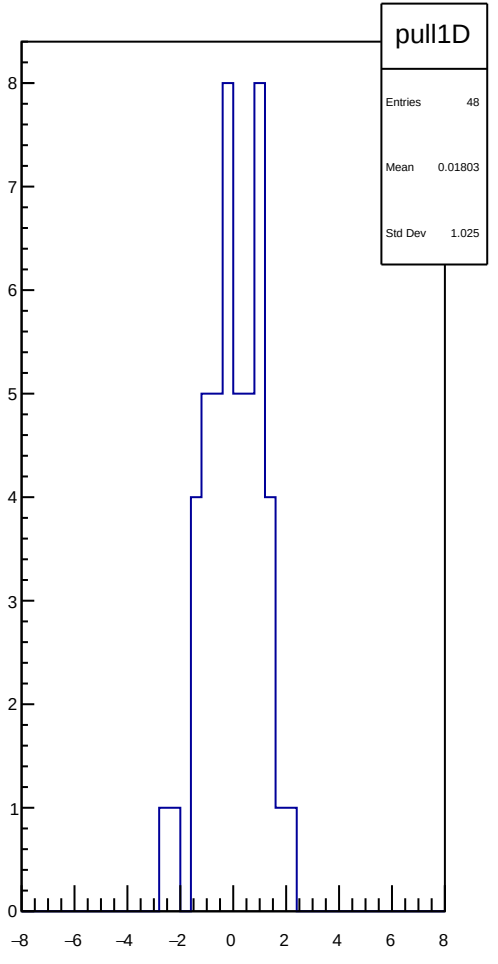

asym_left_agg_dd_rms vs run
χ² / ndf 410.3 / 47
p0 31.23 ± 0.03171
33.5
33
32.5
32
31.5
31
30.5
30
29.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

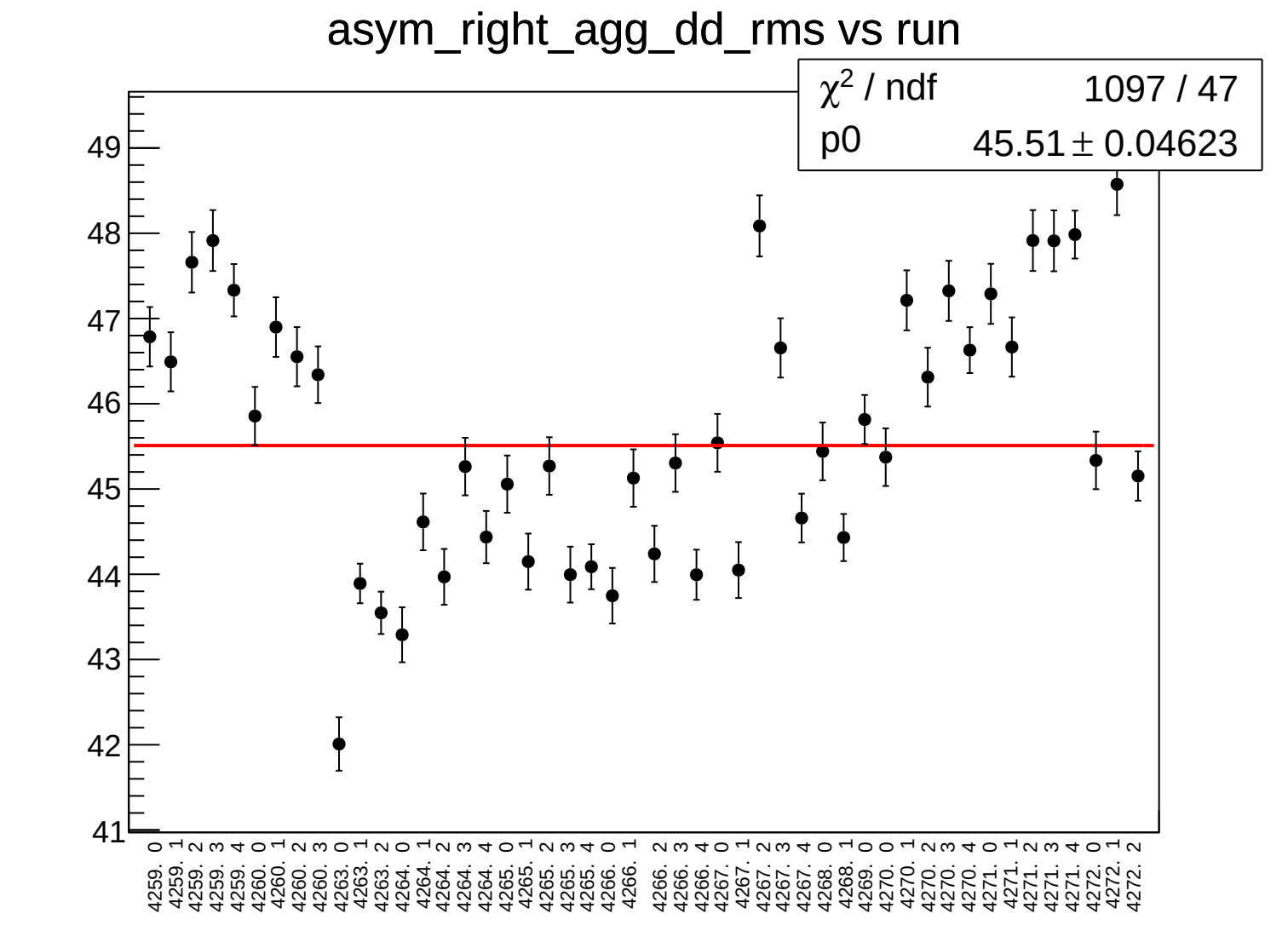

asym_right_agg_avg_mean vs run
χ² / ndf 33.43 / 47
p0 −135.8 ± 713.4
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 253.9
Std Dev 229.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

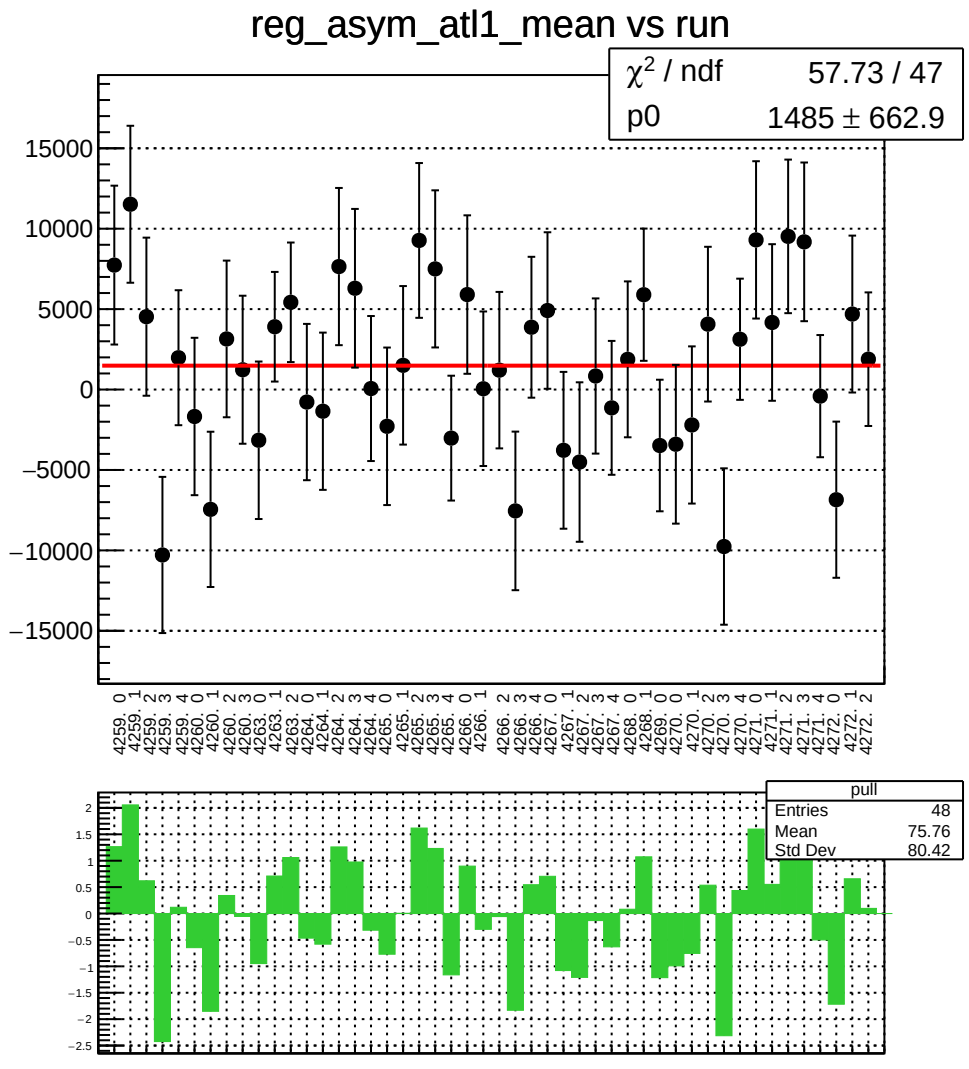

pull1D
Entries 48
Mean −0.01326
Std Dev 0.8344
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

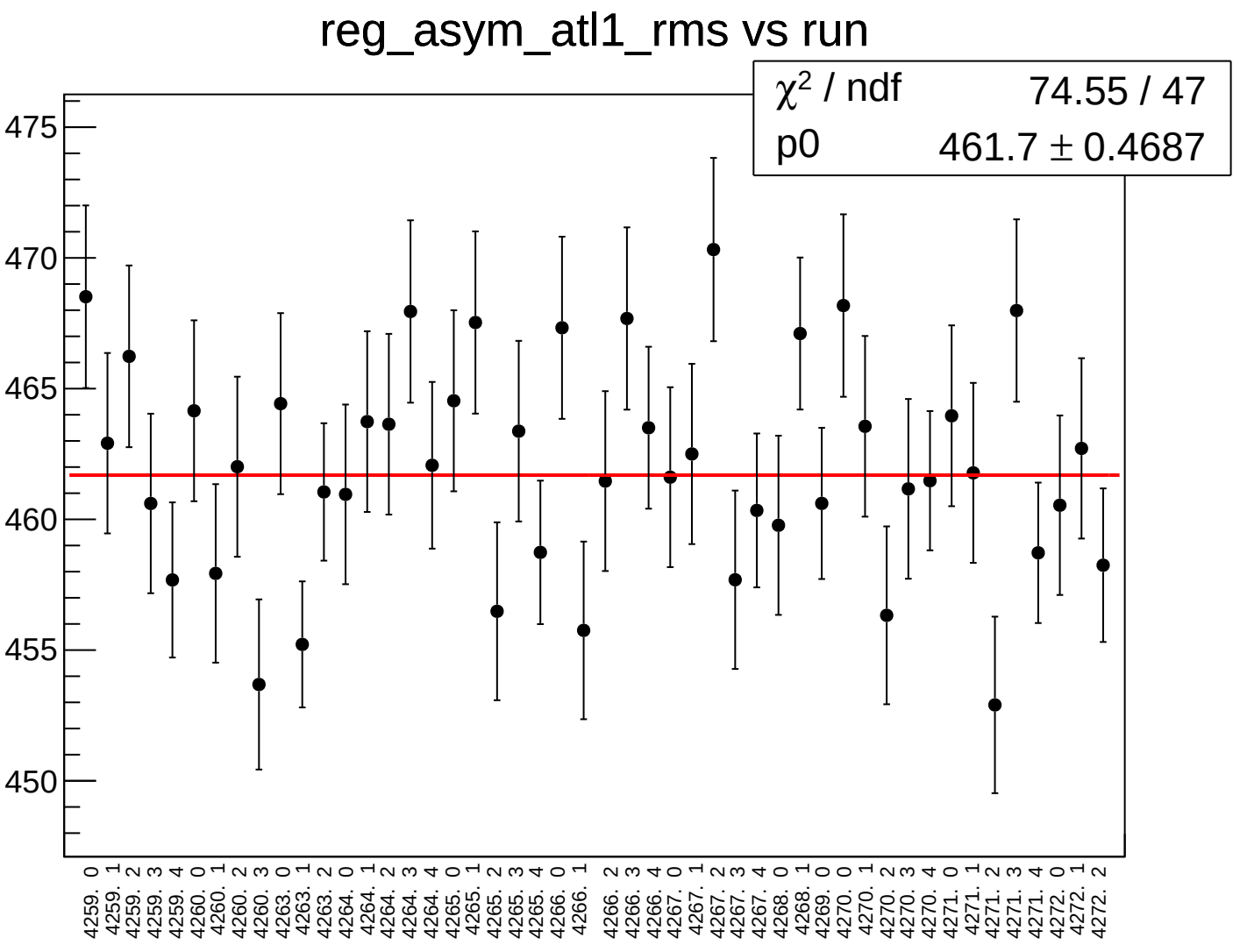

asym_right_agg_avg_rms vs run
χ² / ndf 1548 / 47
p0 496.5 ± 0.5044
560
540
520
500
480
460
440
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

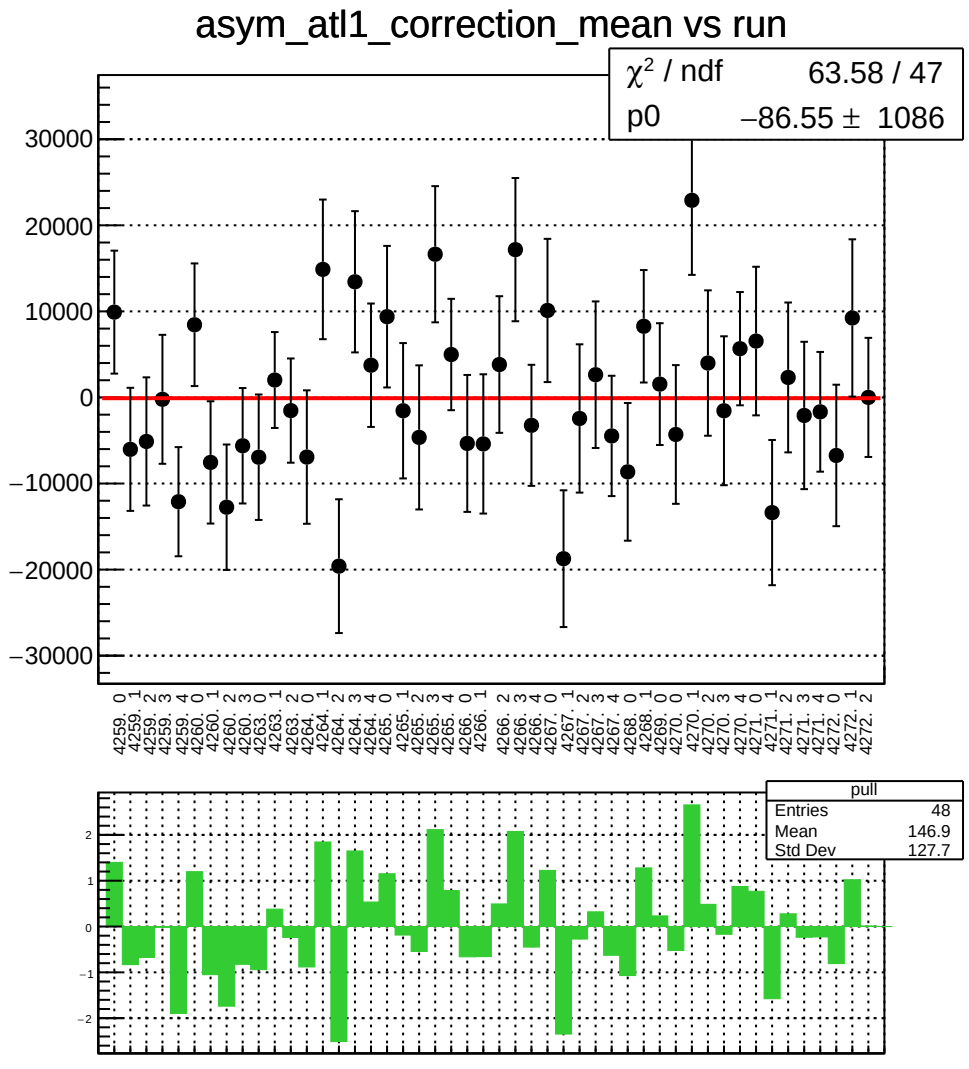

asym_right_agg_dd_mean vs run
χ² / ndf 50.48 / 47
p0 0.1252 ± 65.38
1500
1000
500
0
−500
−1000
−1500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −81.99
Std Dev 100
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

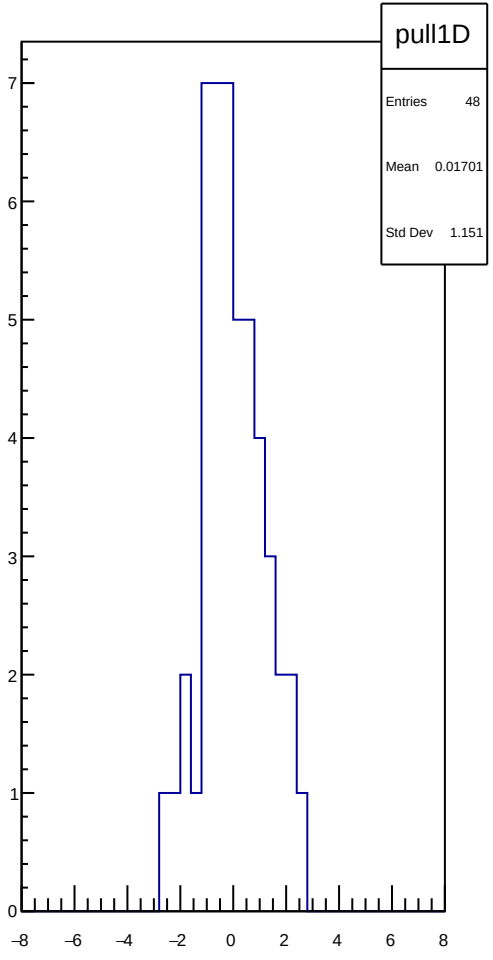

pull1D
Entries 48
Mean 0.01803
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

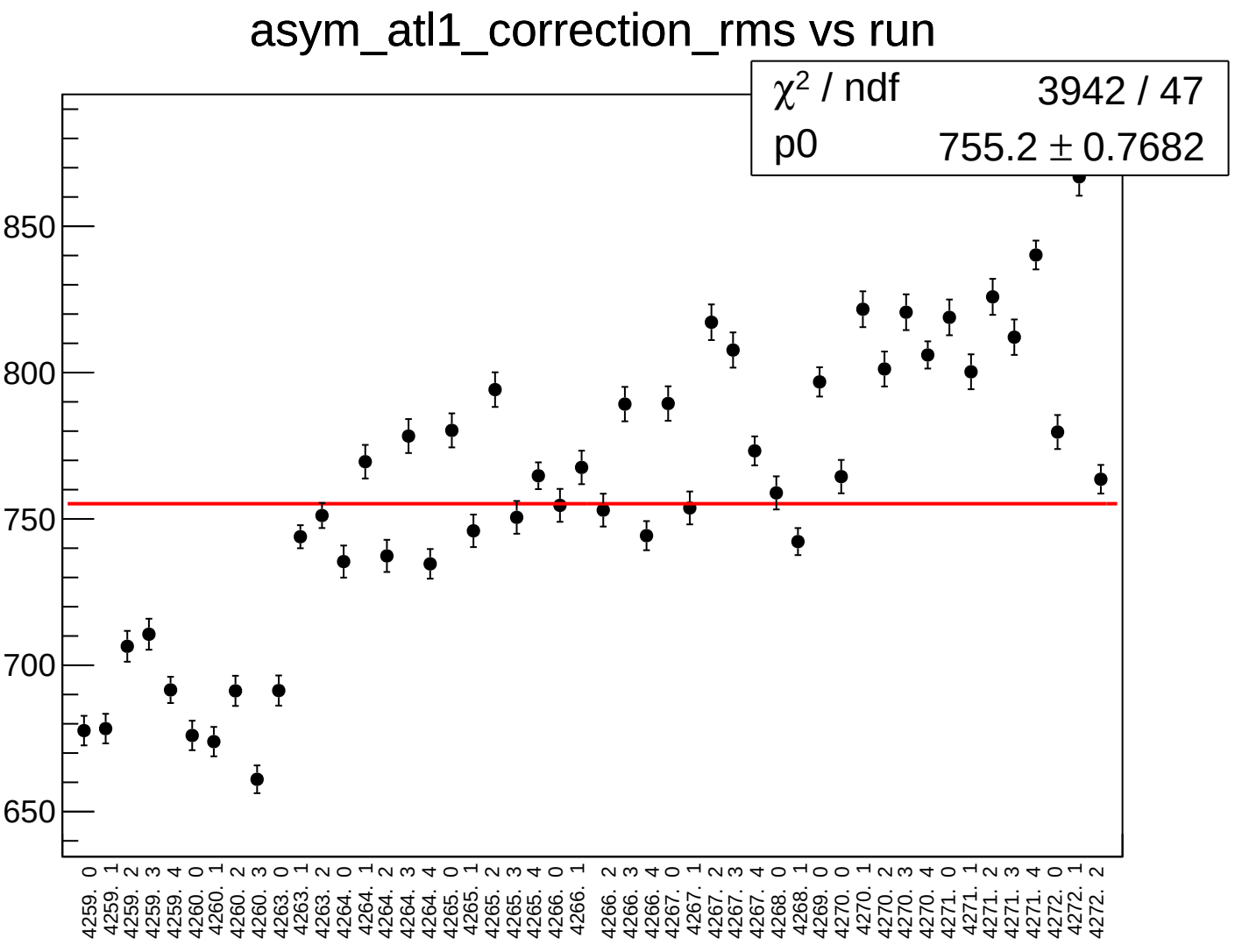

asym_right_agg_dd_rms vs run
χ^2 / ndf 1097 / 47
p0 45.51 ± 0.04623
49
48
47
46
45
44
43
42
41
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

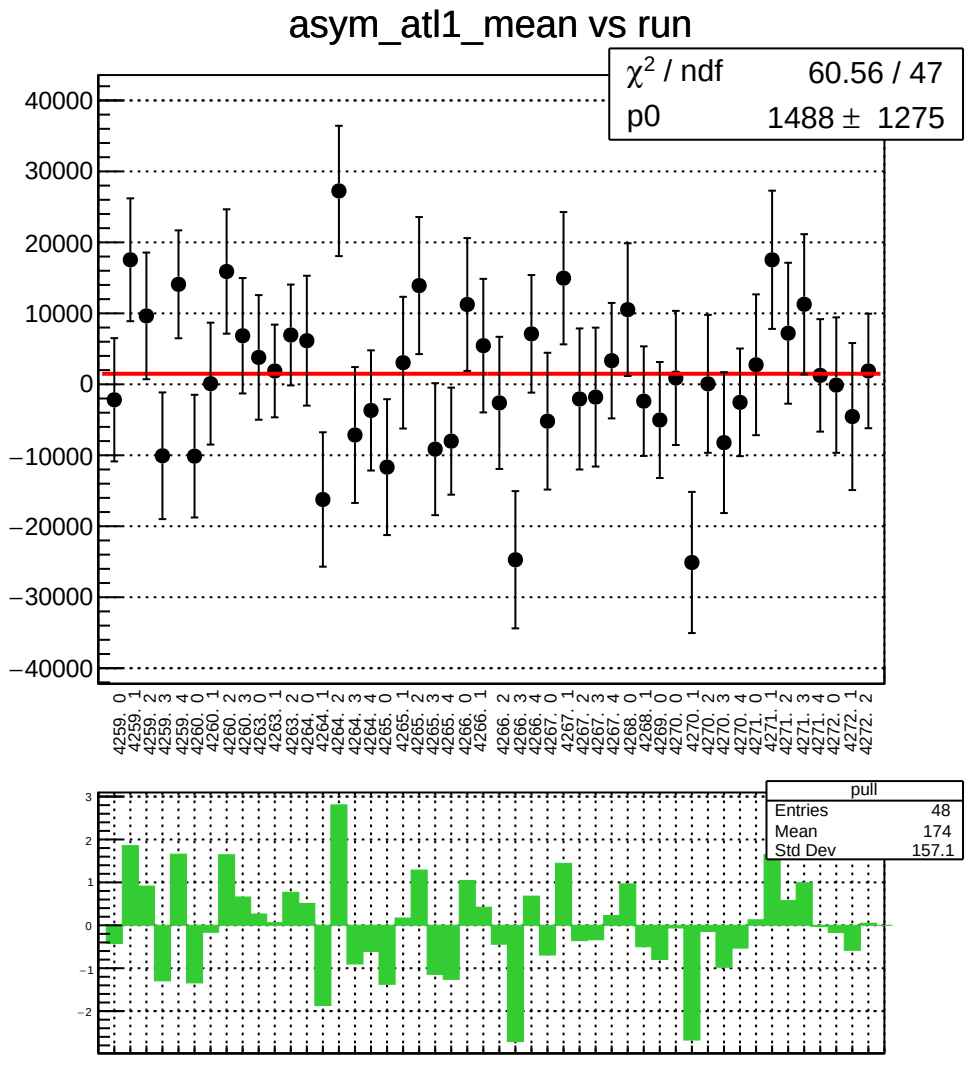

reg_asym_atl1_mean vs run
χ² / ndf 57.73 / 47
p0 1485 ± 662.9
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 75.76
Std Dev 80.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 48
Mean −0.005457
Std Dev 1.097
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

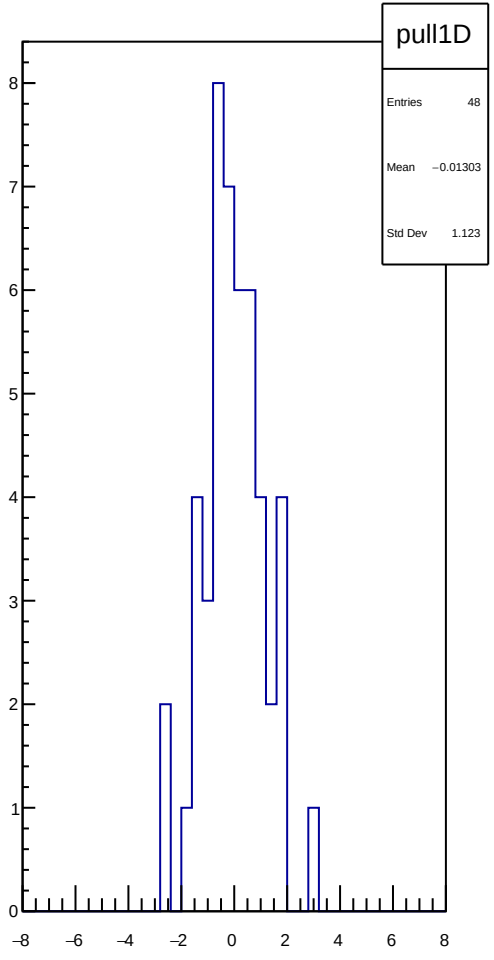

reg_asym_atl1_rms vs run
χ² / ndf 74.55 / 47
p0 461.7 ± 0.4687
475
470
465
460
455
450
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

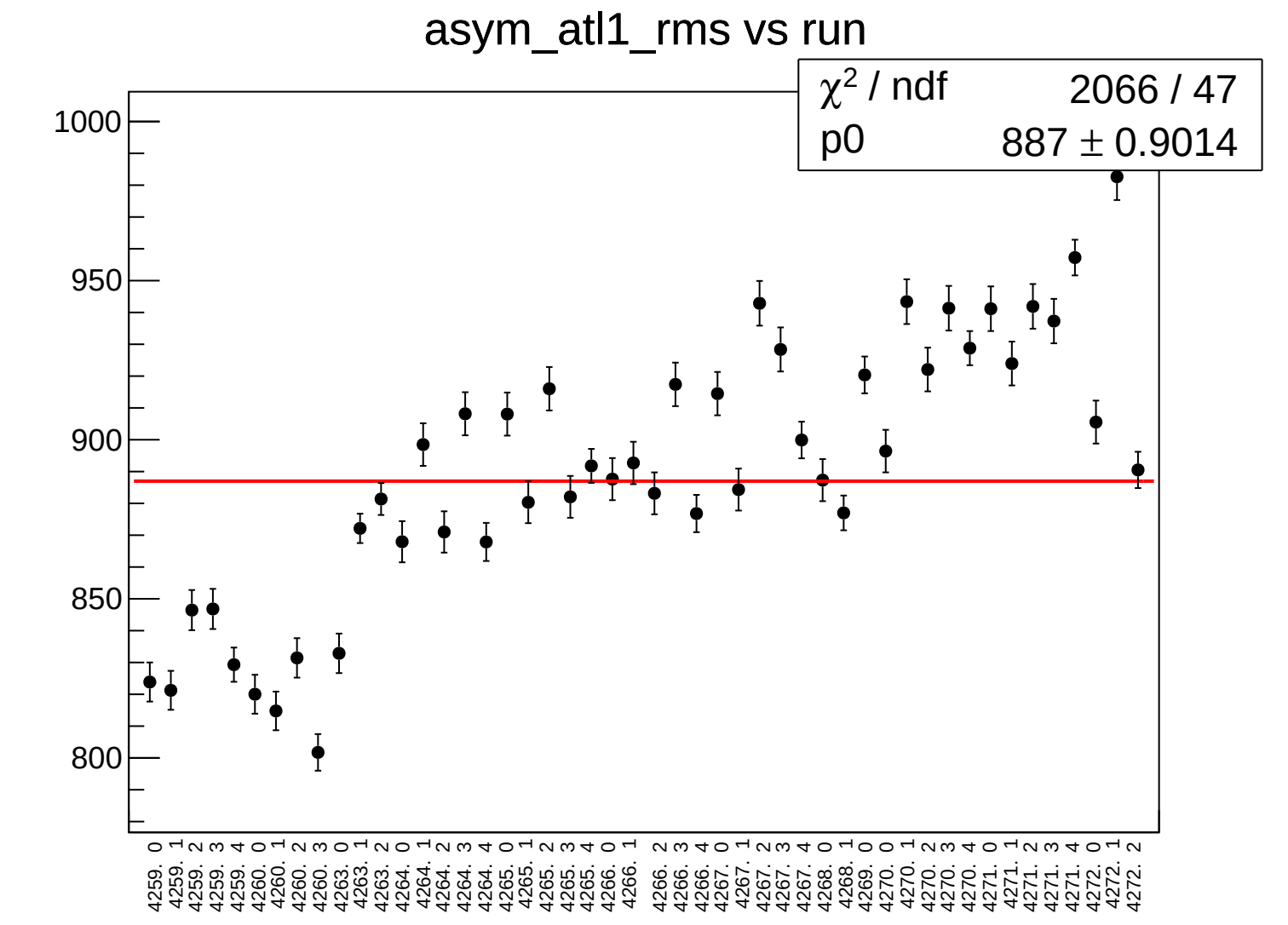

asym_atl1_correction_mean vs run
χ² / ndf 63.58 / 47
p0 −86.55 ± 1086
30000
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 146.9
Std Dev 127.7
2
1
0
−1
−2

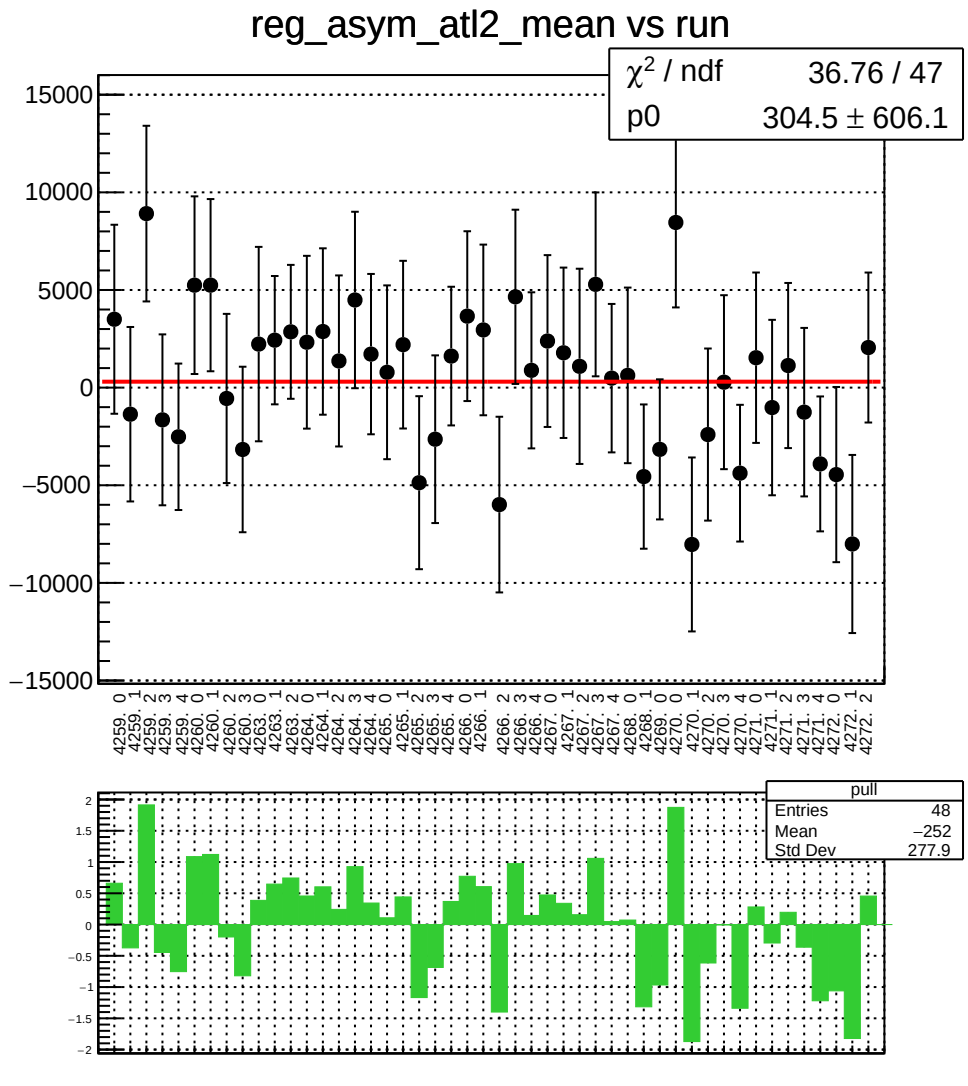

pull1D
Entries 48
Mean 0.01701
Std Dev 1.151
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

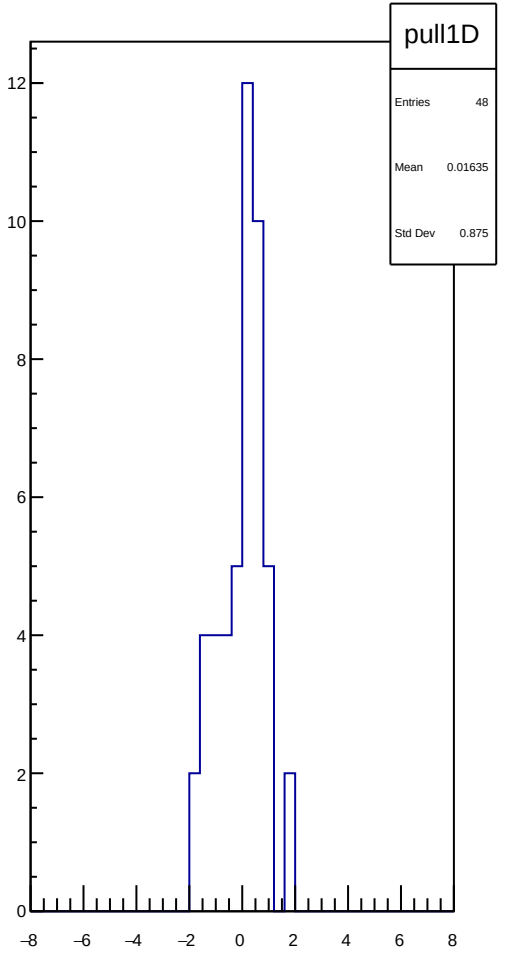

asym_atl1_correction_rms vs run
χ² / ndf 3942 / 47
p0 755.2 ± 0.7682
850
800
750
700
650
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

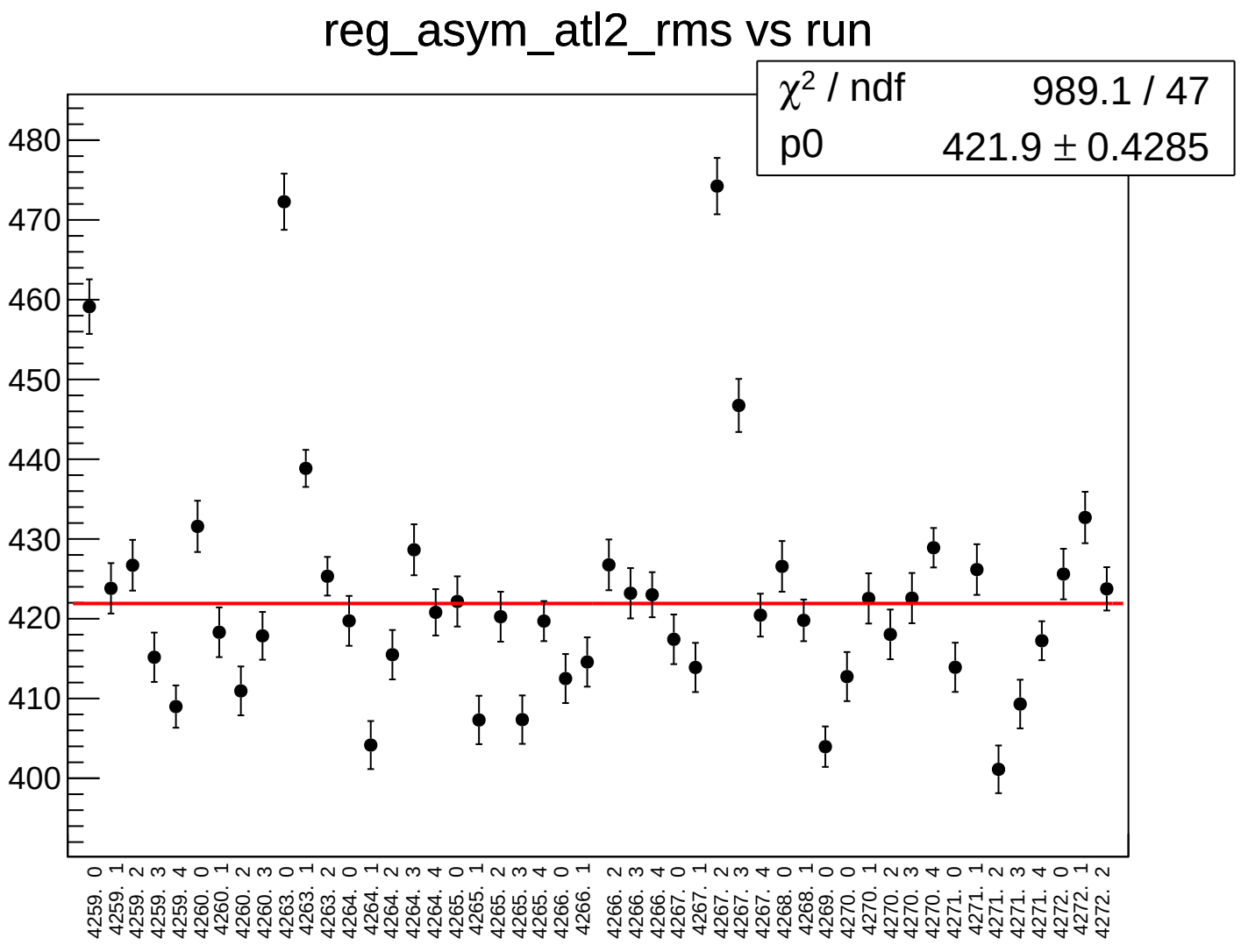

asym_atl1_mean vs run
χ² / ndf 60.56 / 47
p0 1488 ± 1275
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 174
Std Dev 157.1
3
2
1
0
−1
−2

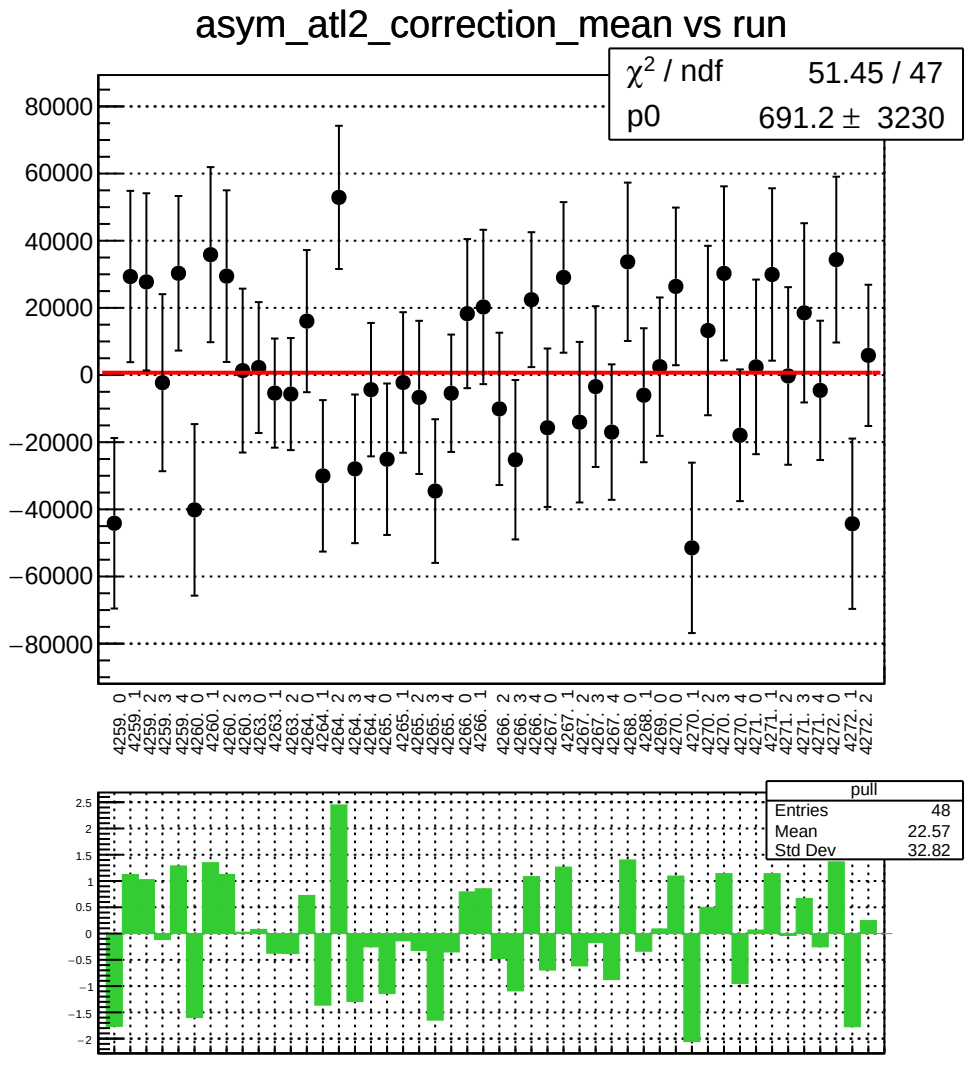

pull1D
Entries 48
Mean −0.01303
Std Dev 1.123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

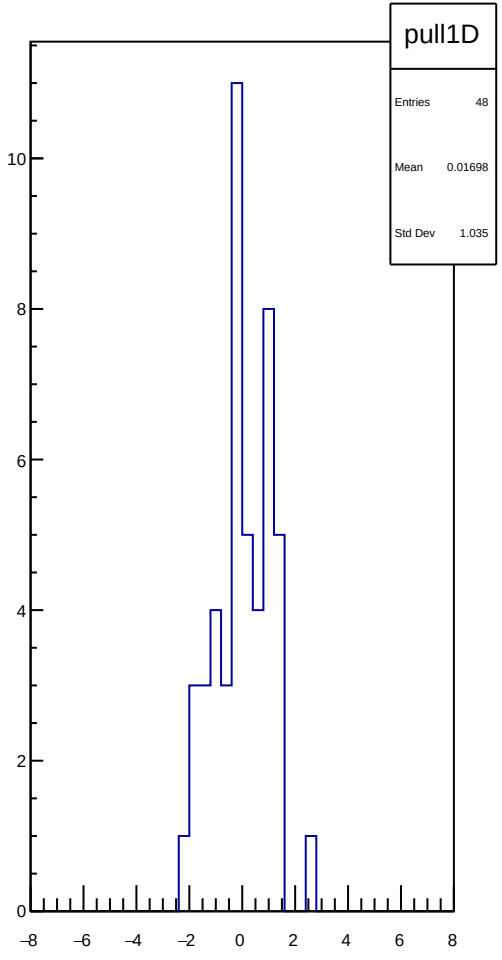

asym_atl1_rms vs run
χ² / ndf 2066 / 47
p0 887 ± 0.9014
1000
950
900
850
800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

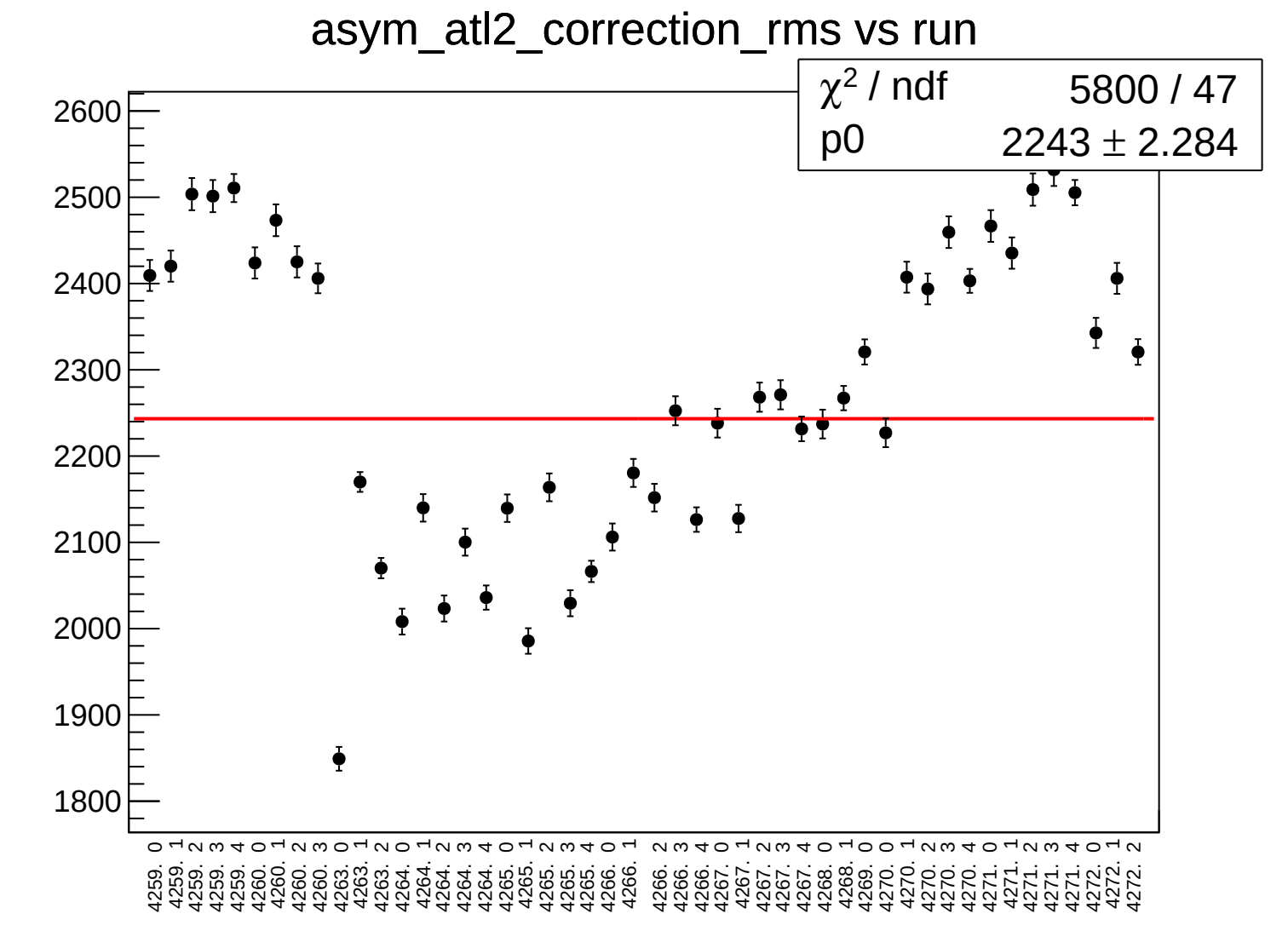

reg_asym_atl2_mean vs run
χ² / ndf 36.76 / 47
p0 304.5 ± 606.1
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −252
Std Dev 277.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

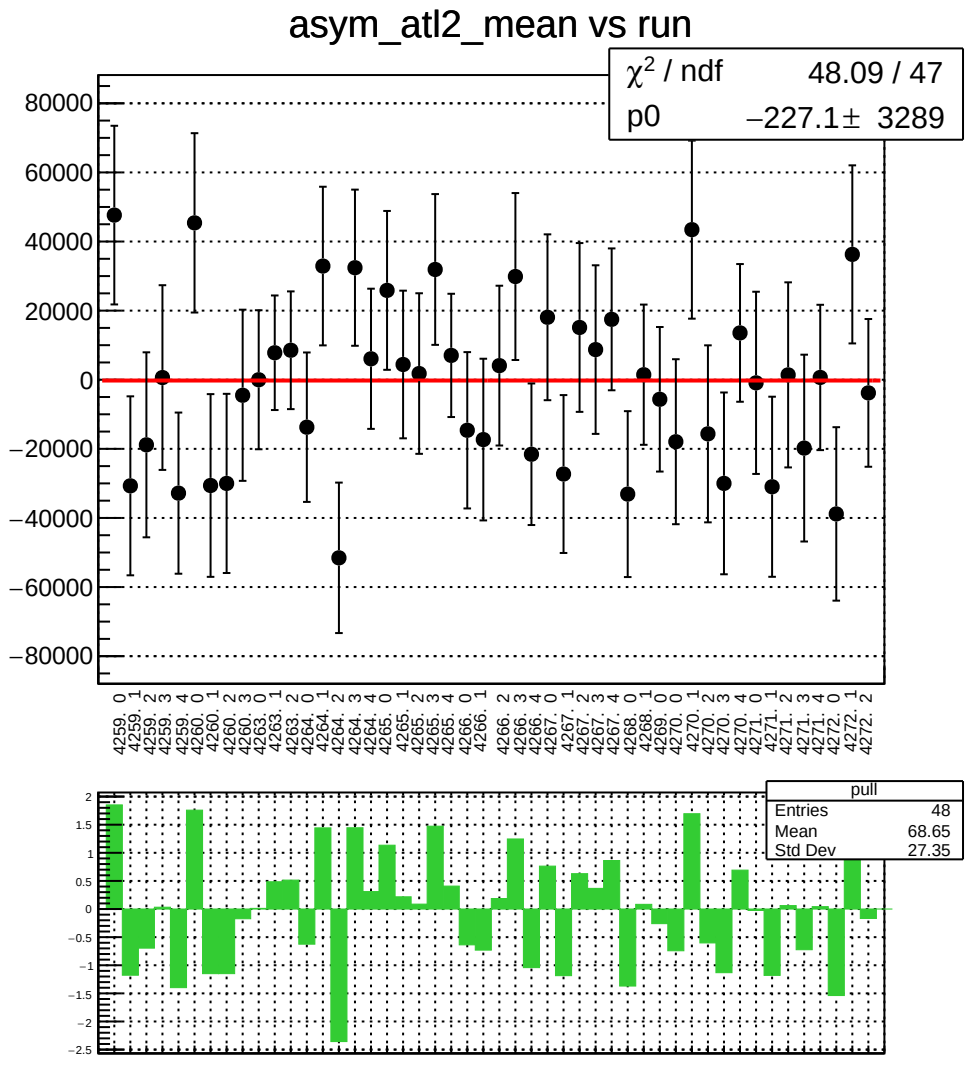

pull1D
Entries 48
Mean 0.01635
Std Dev 0.875
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

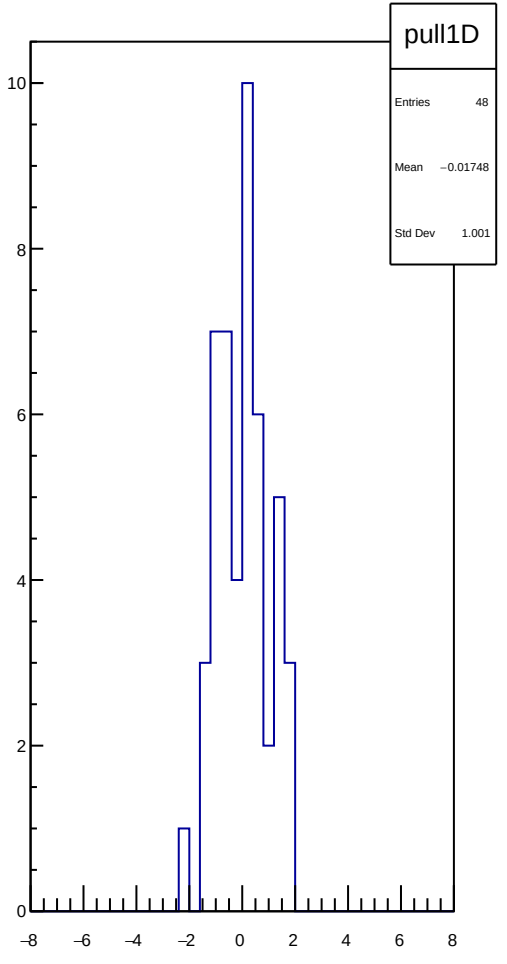

reg_asym_atl2_rms vs run
χ² / ndf 989.1 / 47
p0 421.9 ± 0.4285
480
470
460
450
440
430
420
410
400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

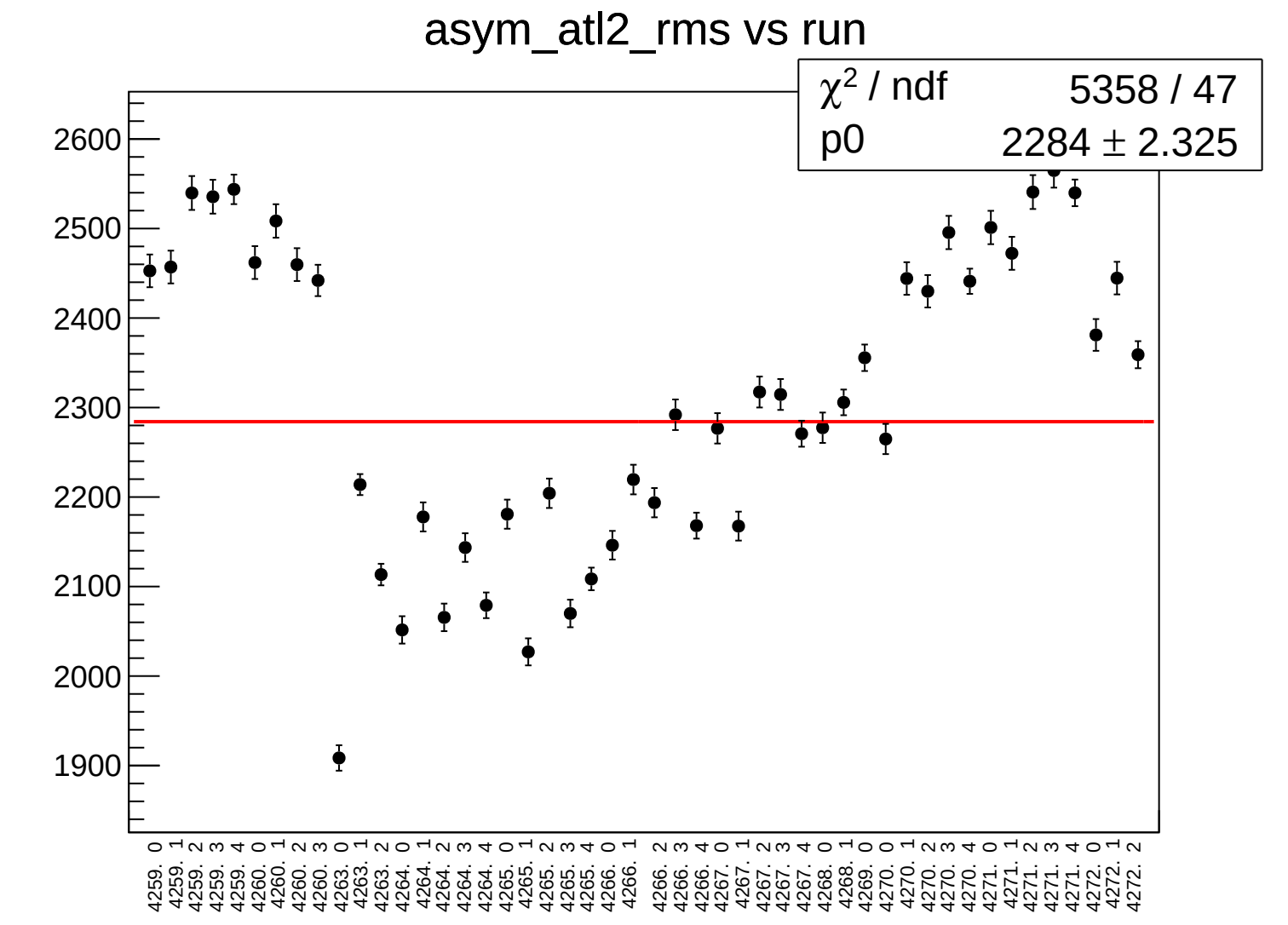

asym_atl2_correction_mean vs run
χ² / ndf 51.45 / 47
p0 691.2 ± 3230
pull
Entries 48
Mean 22.57
Std Dev 32.82

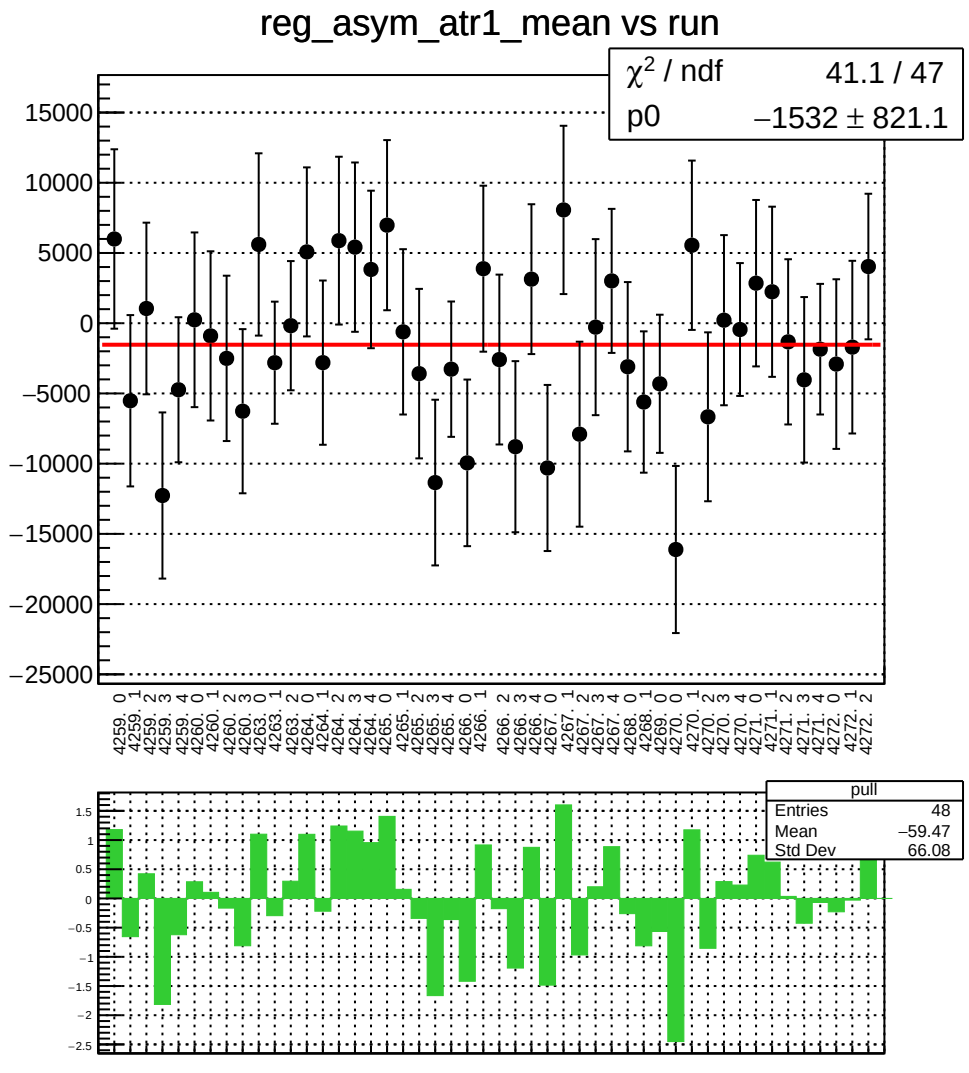

pull1D
Entries 48
Mean 0.01698
Std Dev 1.035

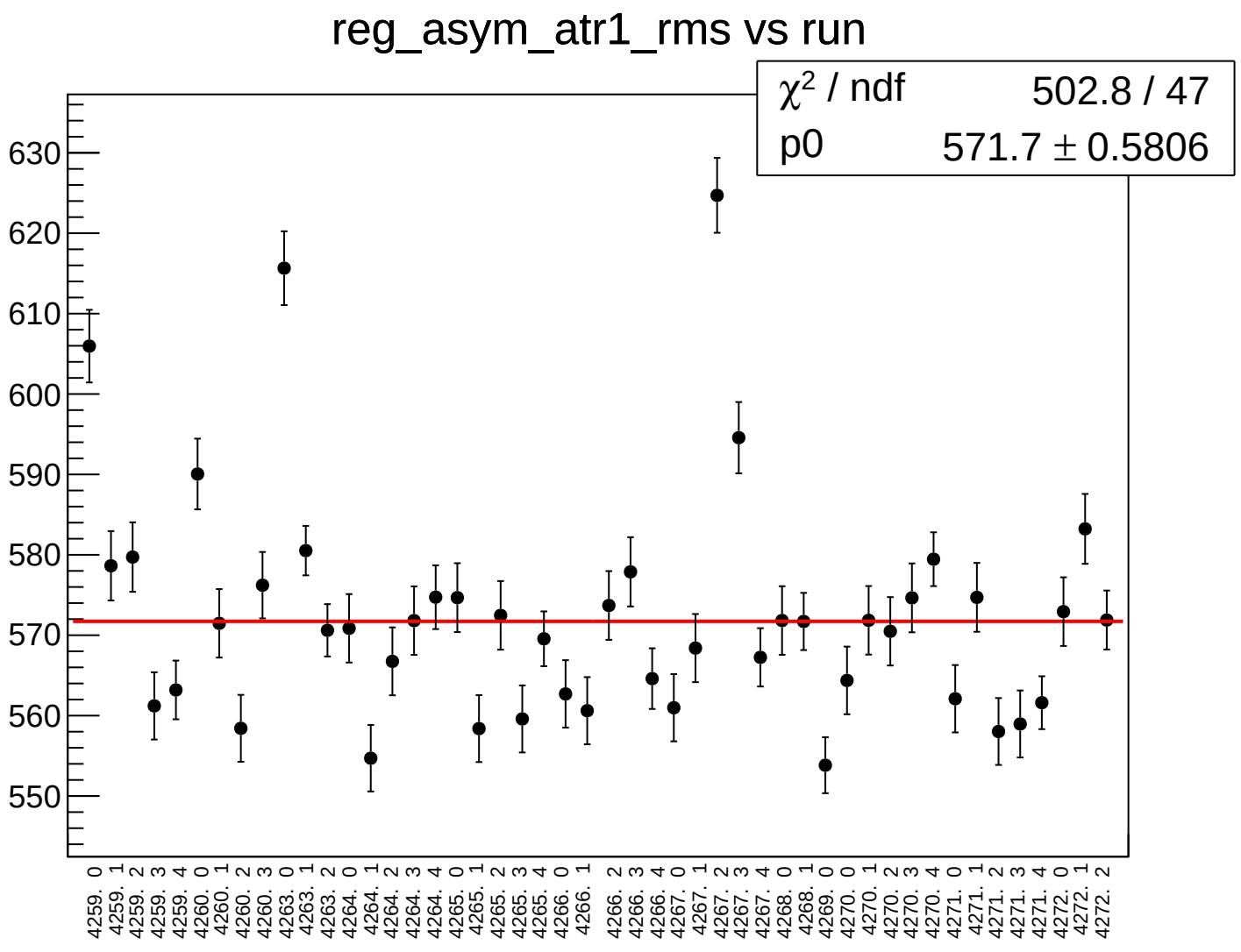

asym_atl2_correction_rms vs run
χ² / ndf 5800 / 47
p0 2243 ± 2.284
2600
2500
2400
2300
2200
2100
2000
1900
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_atl2_mean vs run
χ² / ndf 48.09 / 47
p0 −227.1± 3289
pull
Entries 48
Mean 68.65
Std Dev 27.35


pull1D
Entries 48
Mean −0.01748
Std Dev 1.001


asym_atl2_rms vs run
χ² / ndf 5358 / 47
p0 2284 ± 2.325
2600
2500
2400
2300
2200
2100
2000
1900
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


reg_asym_atr1_mean vs run
χ^2 / ndf 41.1 / 47
p0 −1532 ± 821.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −59.47
Std Dev 66.08
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 48
Mean 0.003445
Std Dev 0.9254
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_rms vs run
χ² / ndf 502.8 / 47
p0 571.7 ± 0.5806
630
620
610
600
590
580
570
560
550
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
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4264. 4
4265. 0
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4265. 2
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4265. 4
4266. 0
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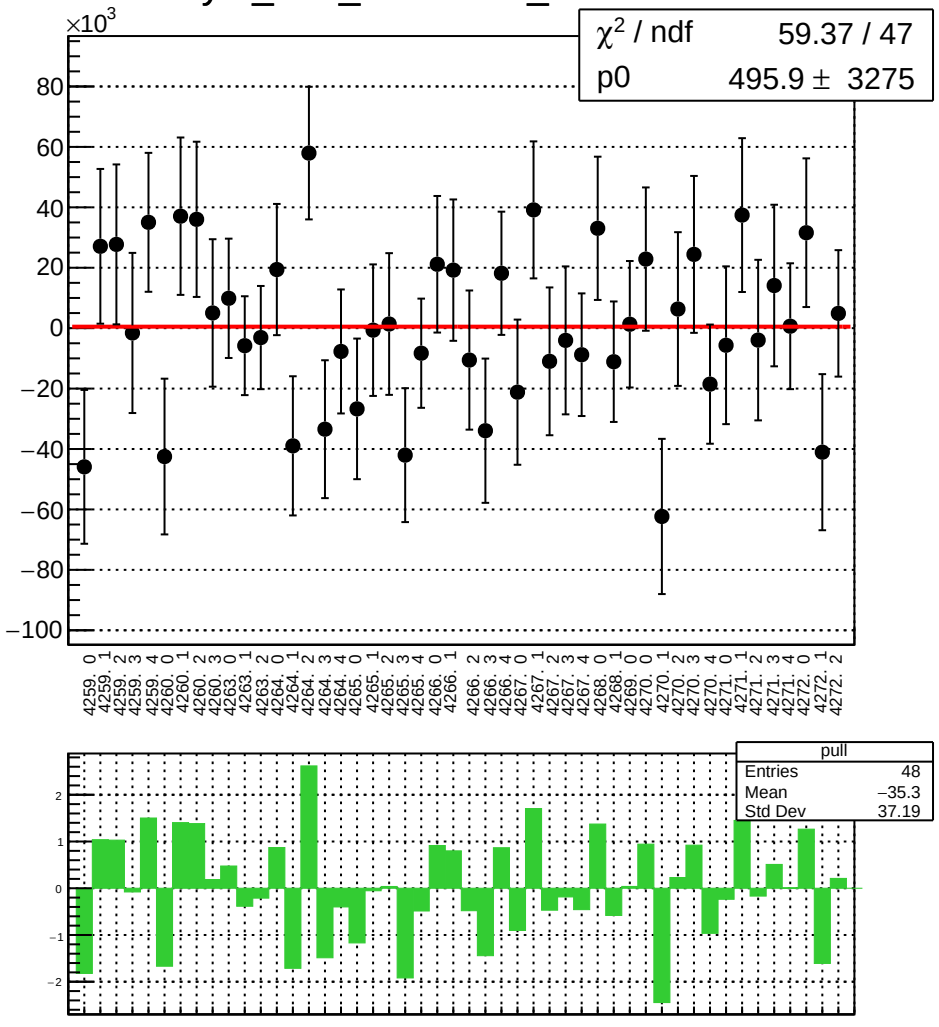
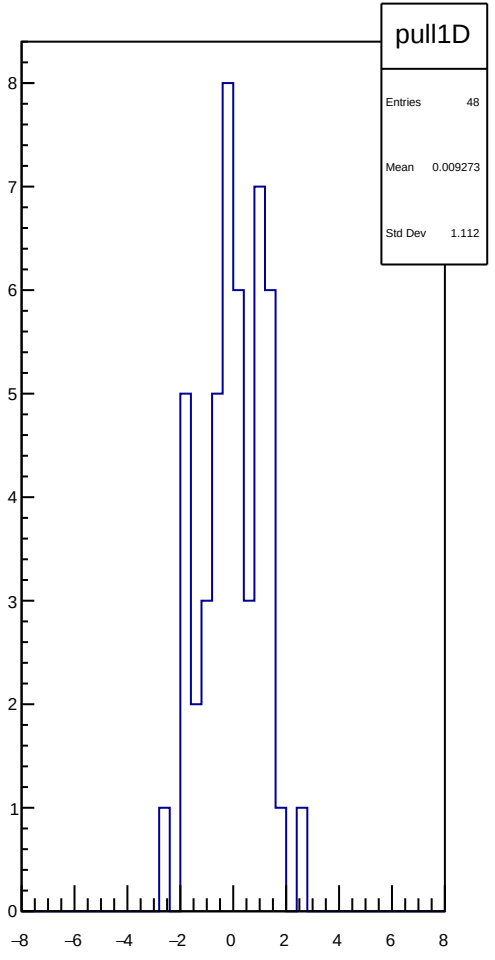
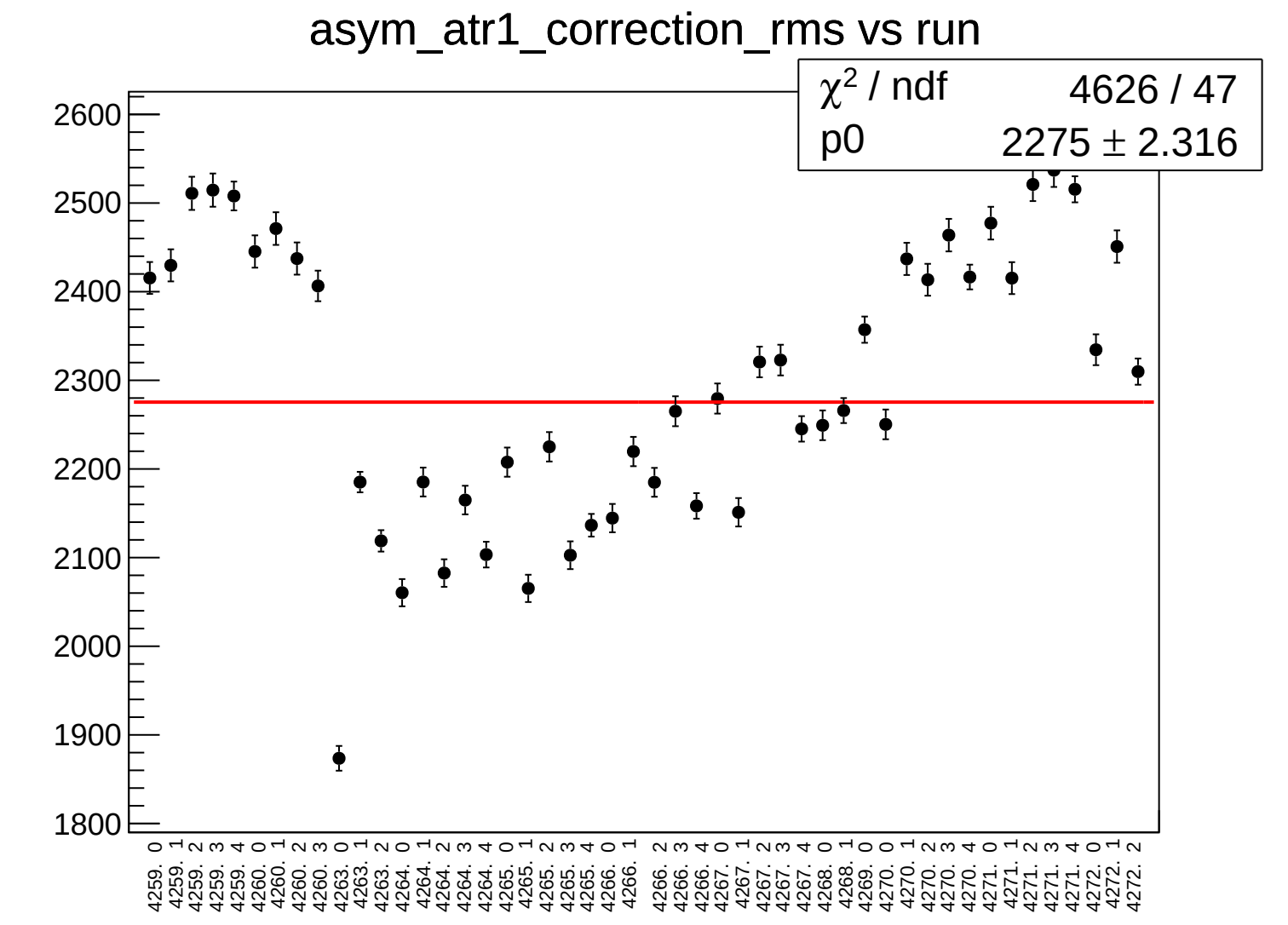
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_atr1_correction_mean vs run
×10^3
χ² / ndf 59.37 / 47
p0 495.9 ± 3275
pull
Entries 48
Mean −35.3
Std Dev 37.19


pull1D
Entries 48
Mean 0.009273
Std Dev 1.112


asym_atr1_correction_rms vs run
χ² / ndf 4626 / 47
p0 2275 ± 2.316
2600
2500
2400
2300
2200
2100
2000
1900
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
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4264. 3
4264. 4
4265. 0
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4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
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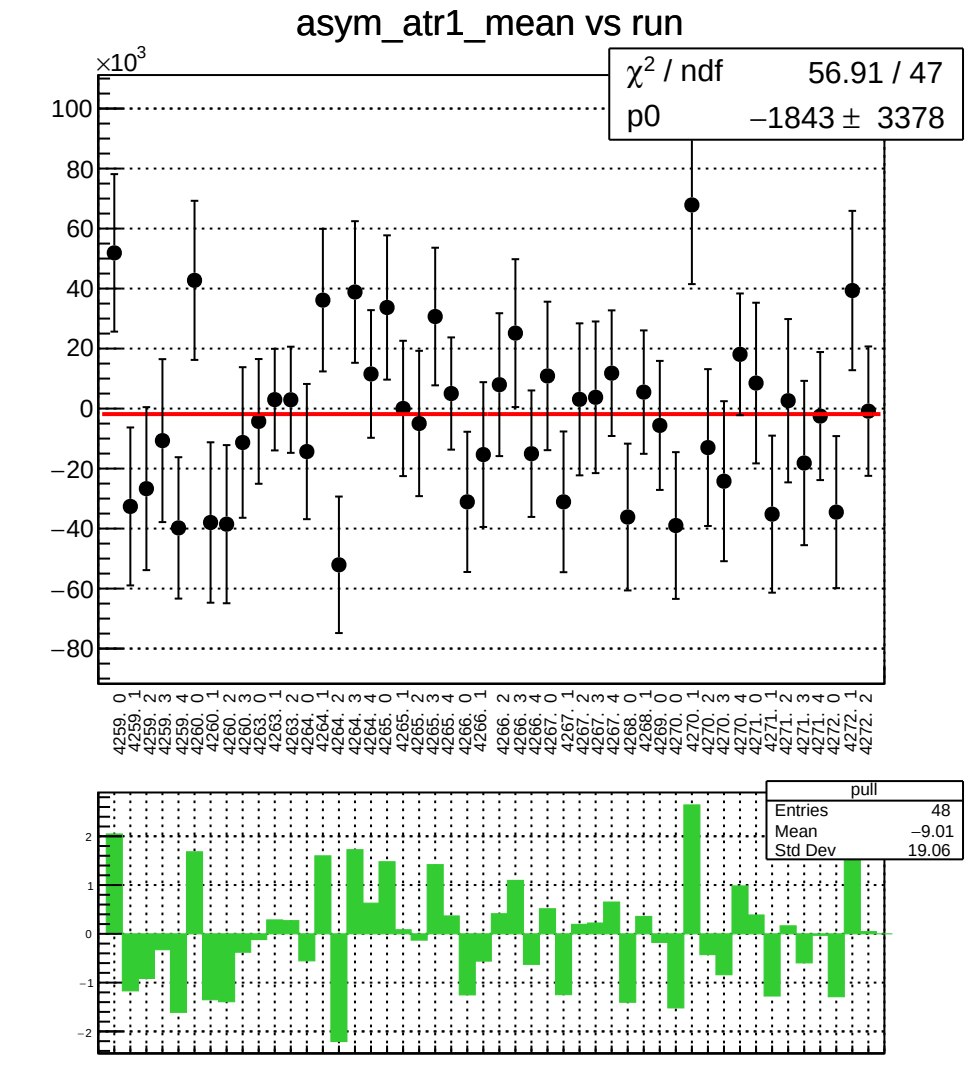
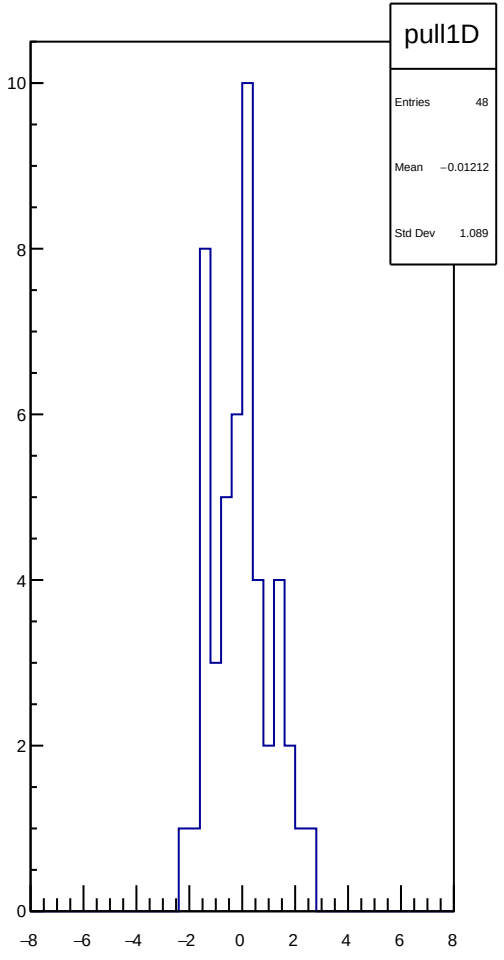
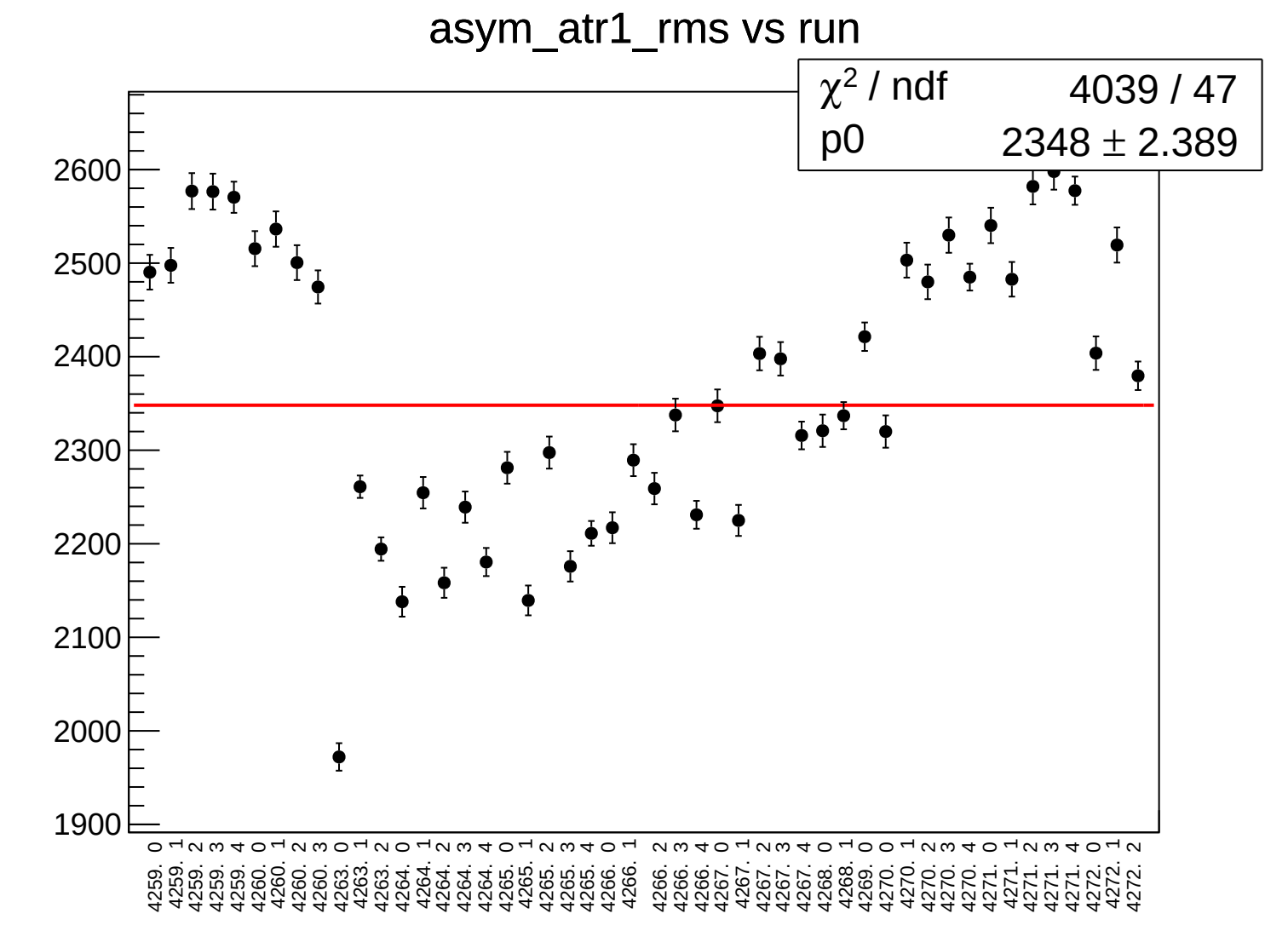
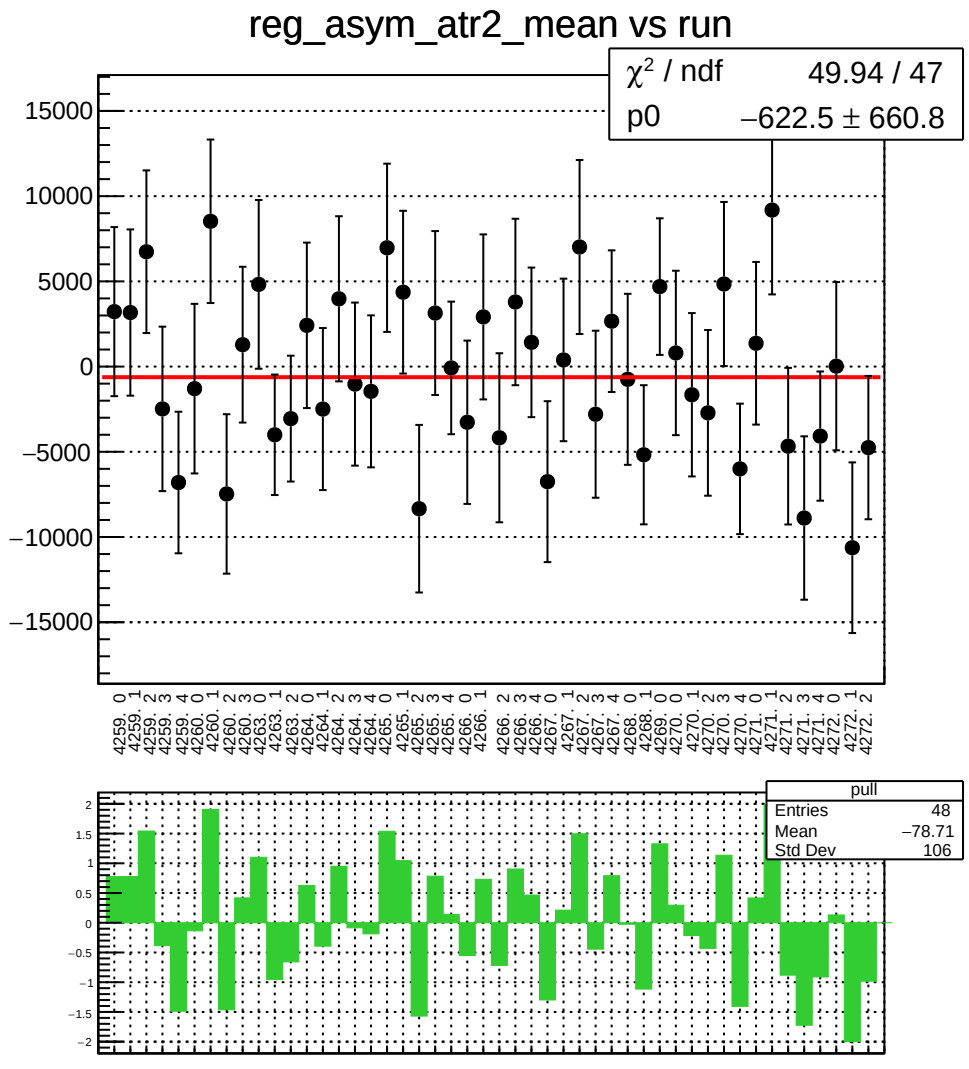
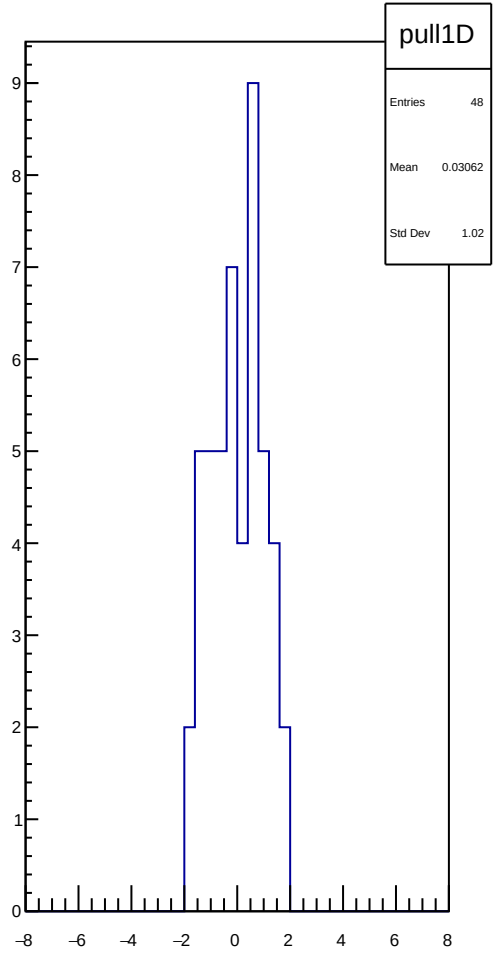
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

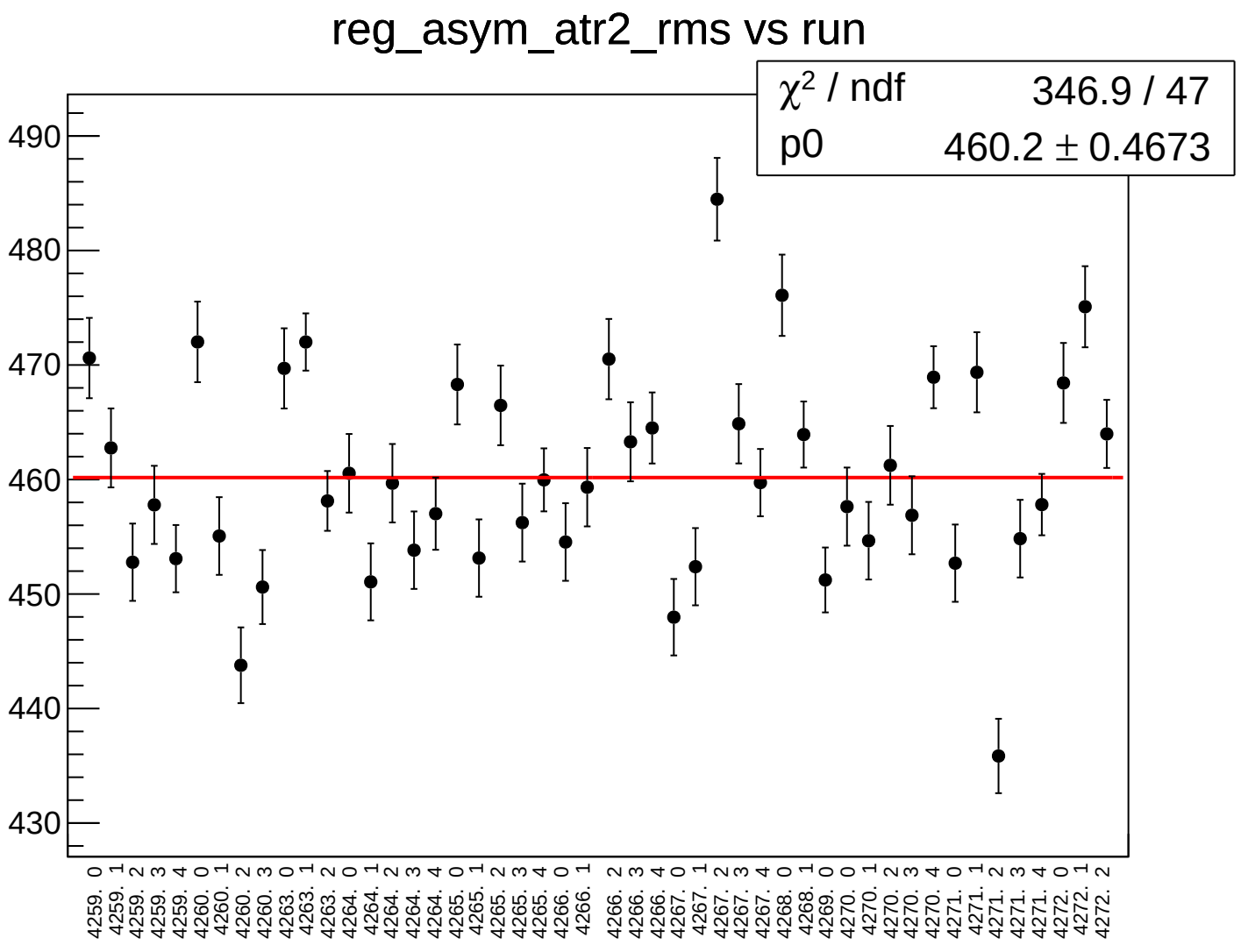

asym_atr1_mean vs run
×10^3
χ² / ndf 56.91 / 47
p0 −1843 ± 3378
100
80
60
40
20
0
−20
−40
−60
−80
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −9.01
Std Dev 19.06
2
1
0
−1
−2

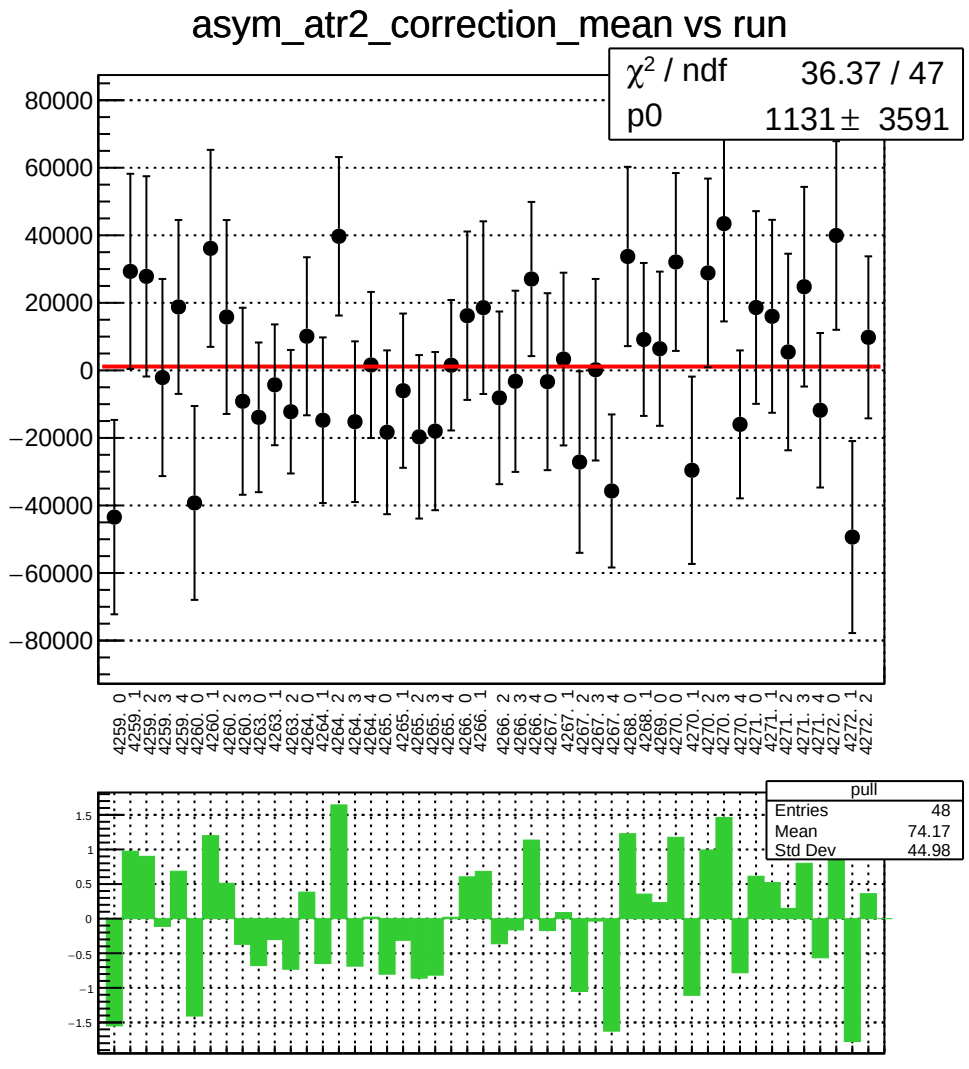

pull1D
Entries 48
Mean −0.01212
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

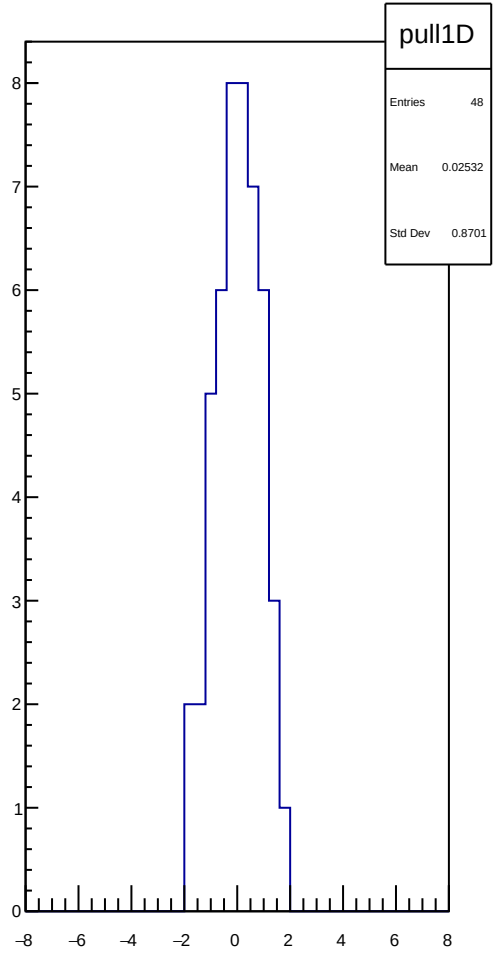

asym_atr1_rms vs run
χ² / ndf 4039 / 47
p0 2348 ± 2.389
2600
2500
2400
2300
2200
2100
2000
1900
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

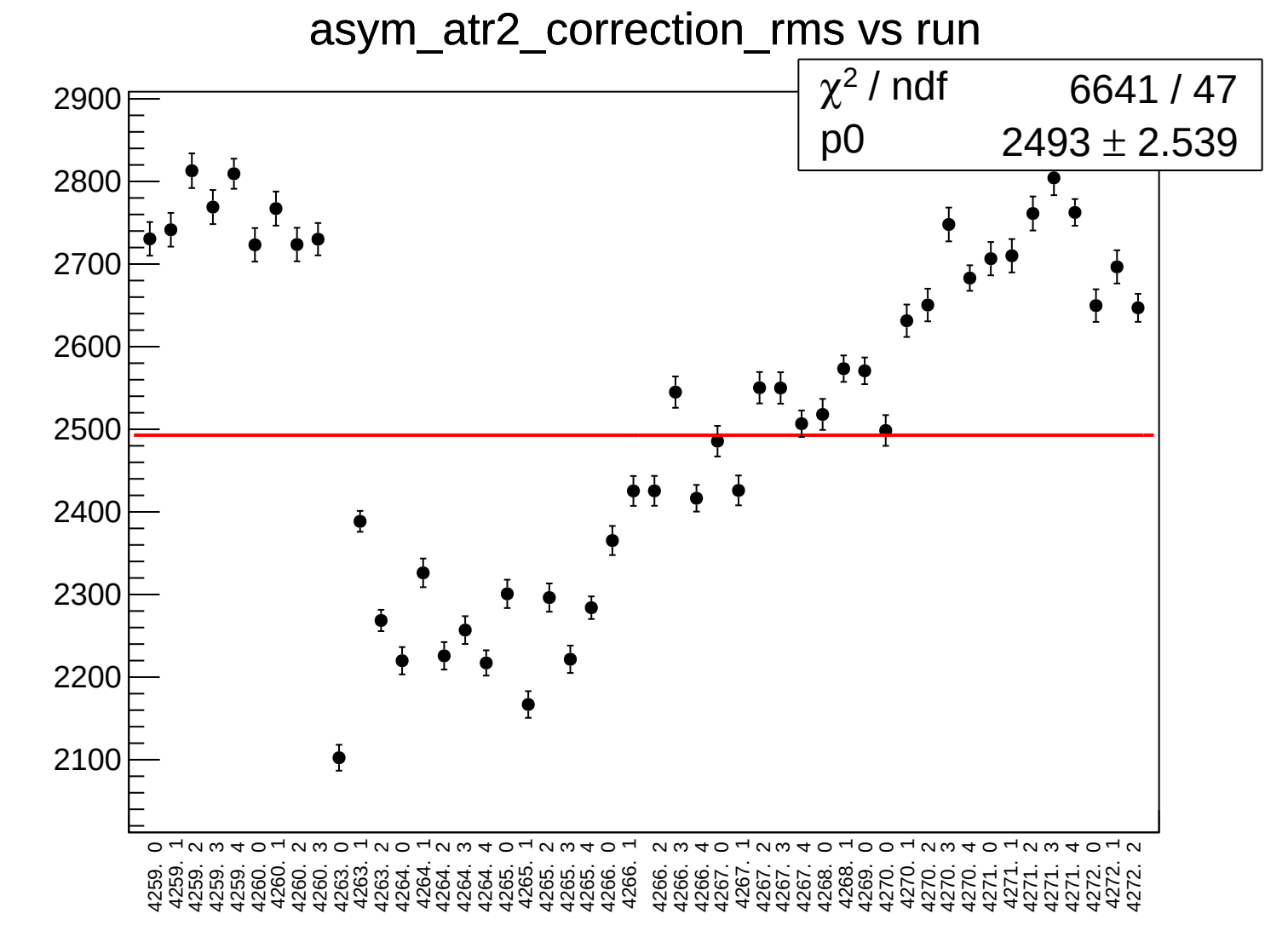

reg_asym_atr2_mean vs run
χ² / ndf 49.94 / 47
p0 −622.5 ± 660.8
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −78.71
Std Dev 106
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

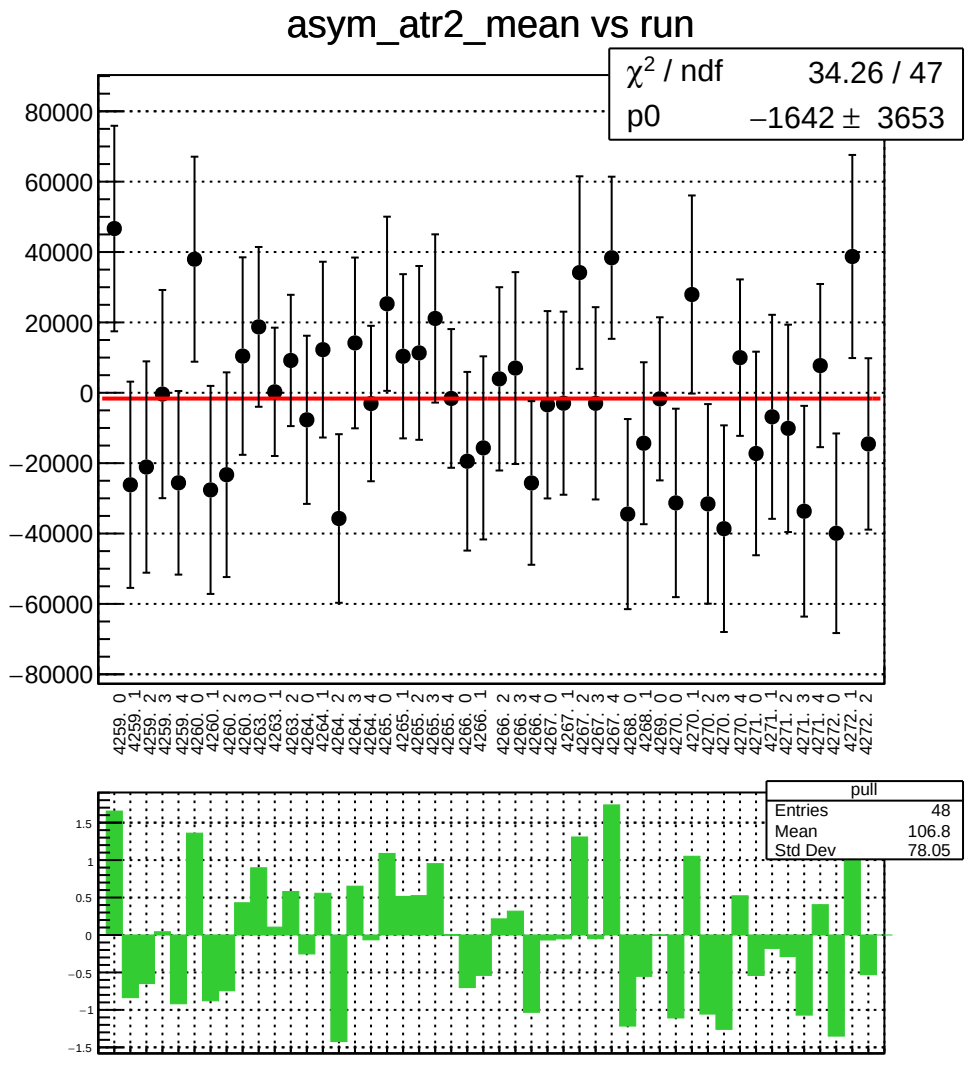

pull1D
Entries 48
Mean 0.03062
Std Dev 1.02
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

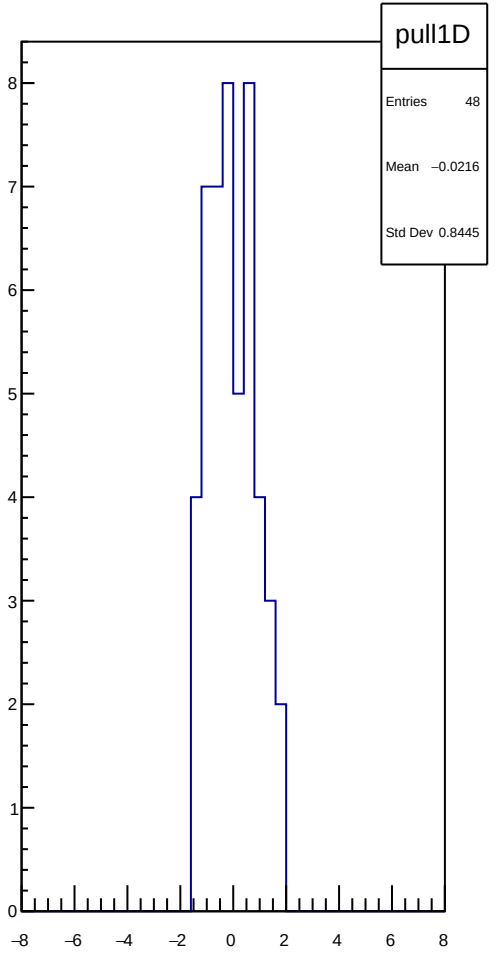

reg_asym_atr2_rms vs run
χ² / ndf 346.9 / 47
p0 460.2 ± 0.4673
490
480
470
460
450
440
430
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

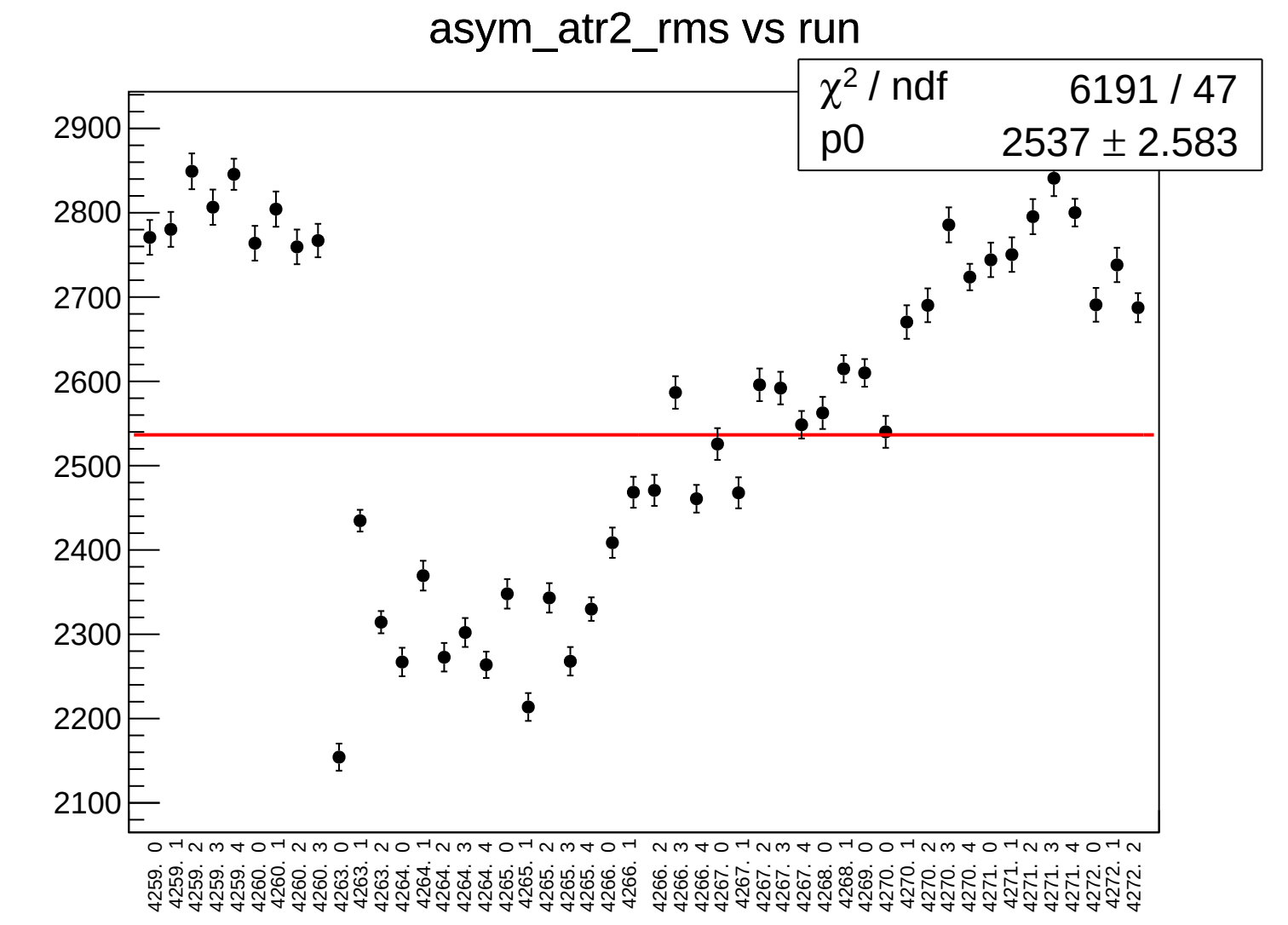

asym_atr2_correction_mean vs run
χ² / ndf 36.37 / 47
p0 1131 ± 3591
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 74.17
Std Dev 44.98
1.5
1
0.5
0
−0.5
−1
−1.5

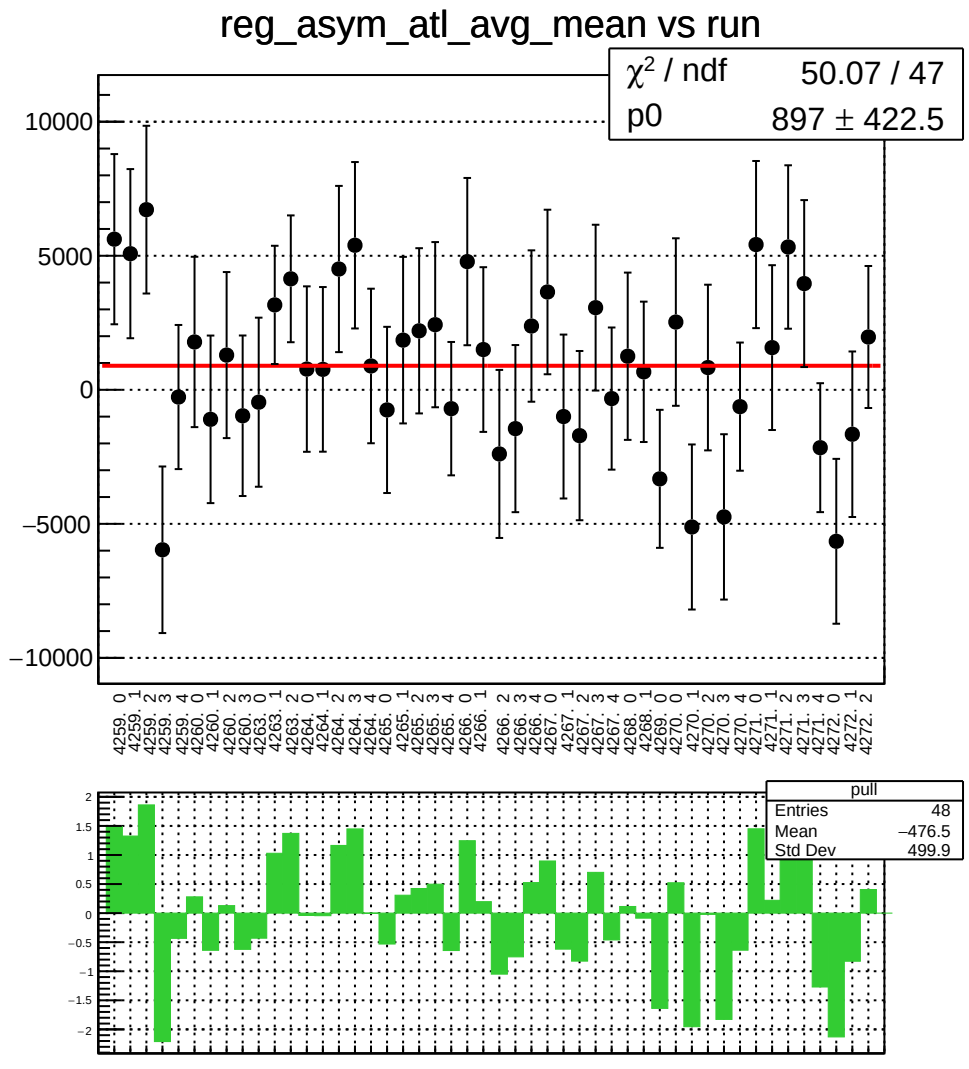

pull1D
Entries 48
Mean 0.02532
Std Dev 0.8701
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

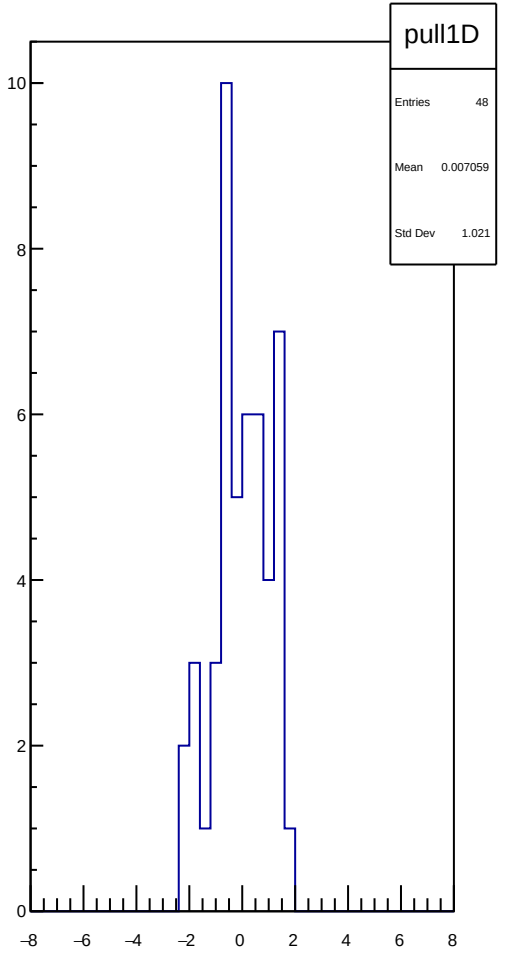

asym_atr2_correction_rms vs run
χ² / ndf 6641 / 47
p0 2493 ± 2.539
2900
2800
2700
2600
2500
2400
2300
2200
2100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

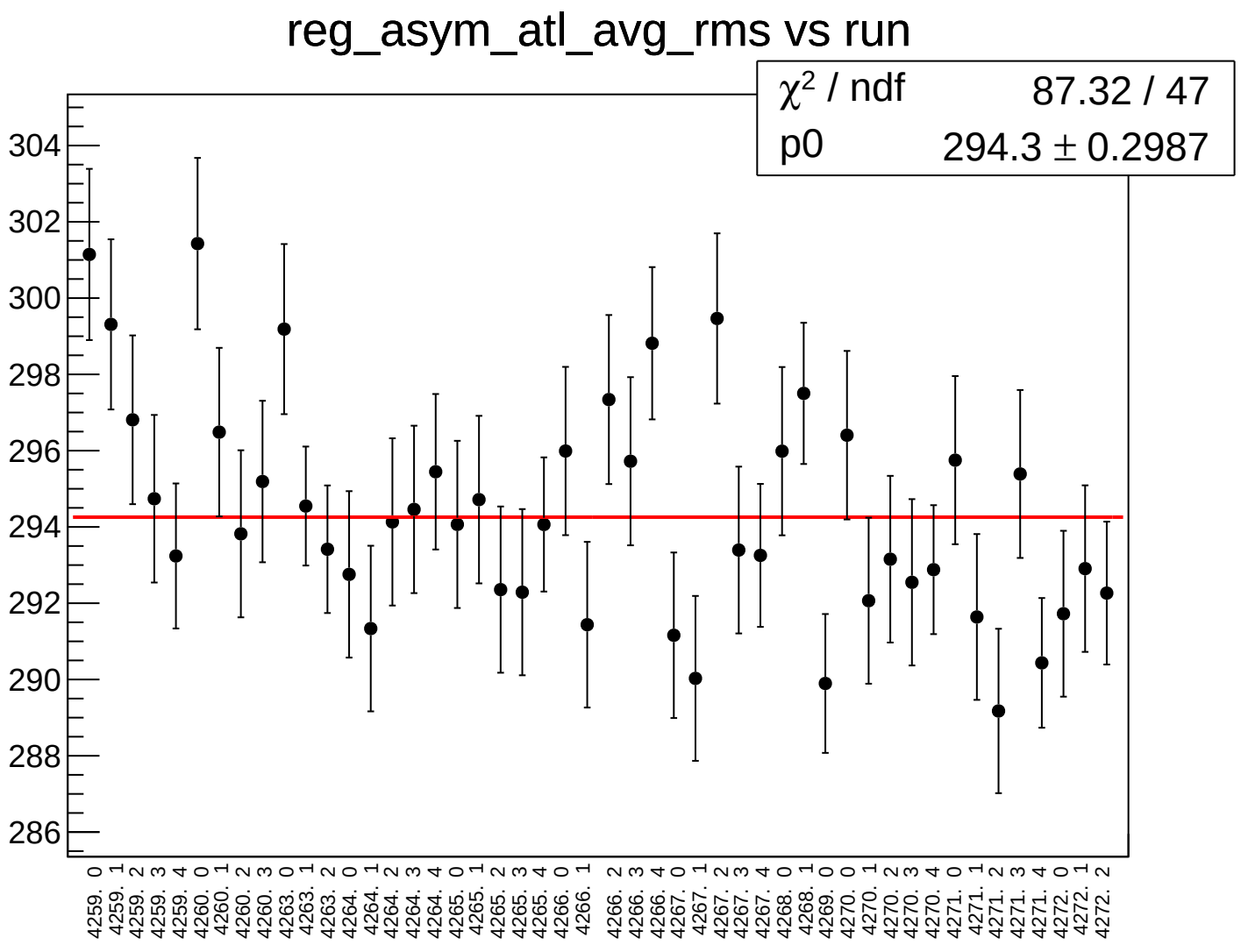

asym_atr2_mean vs run
χ² / ndf 34.26 / 47
p0 −1642 ± 3653
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 106.8
Std Dev 78.05
1.5
1
0.5
0
−0.5
−1
−1.5

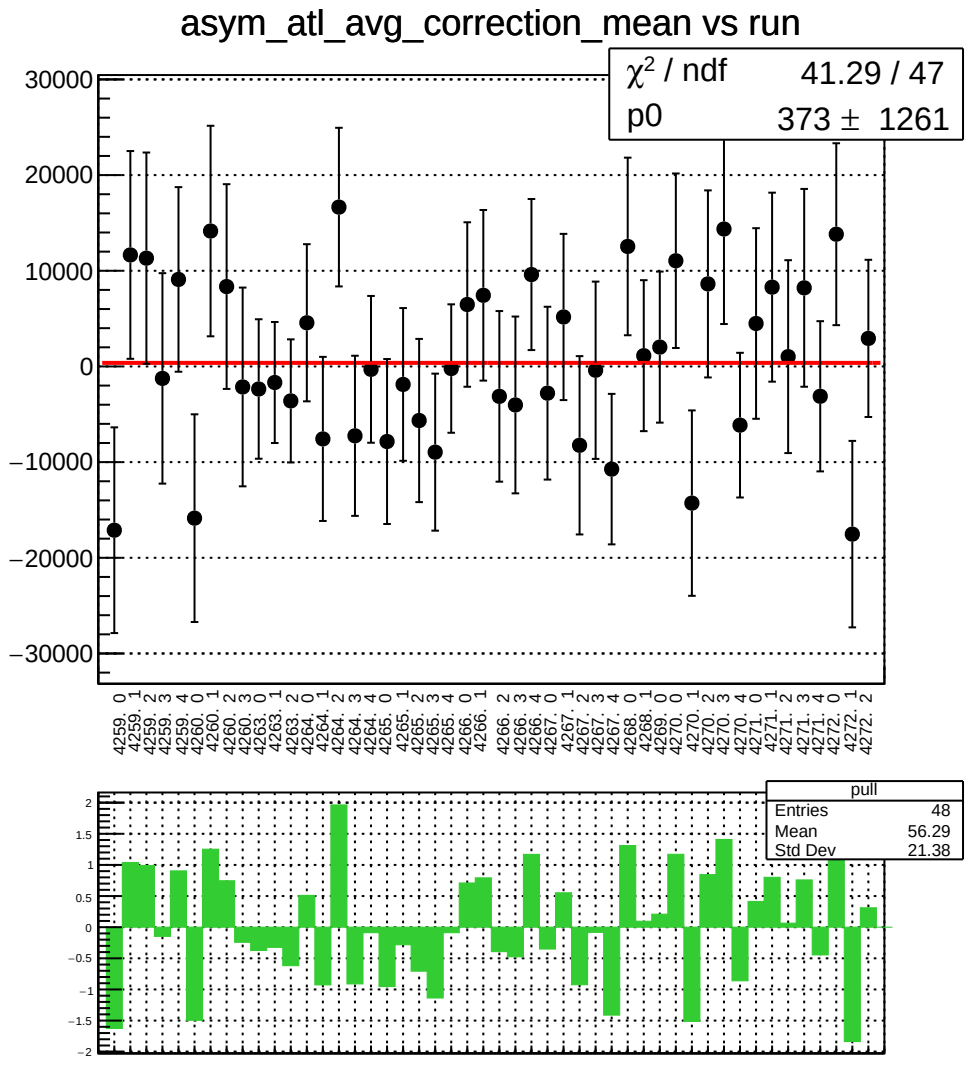

pull1D
Entries 48
Mean −0.0216
Std Dev 0.8445
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

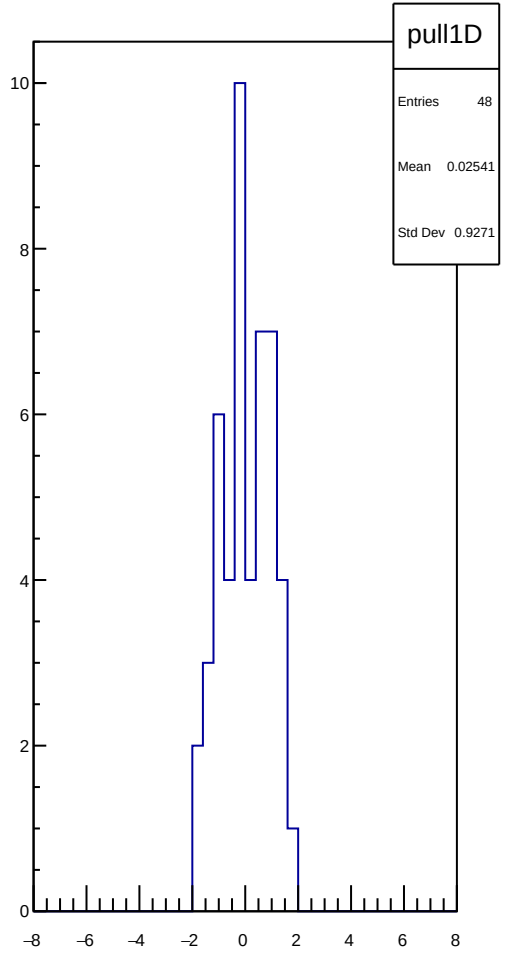

asym_atr2_rms vs run
χ² / ndf 6191 / 47
p0 2537 ± 2.583
2900
2800
2700
2600
2500
2400
2300
2200
2100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

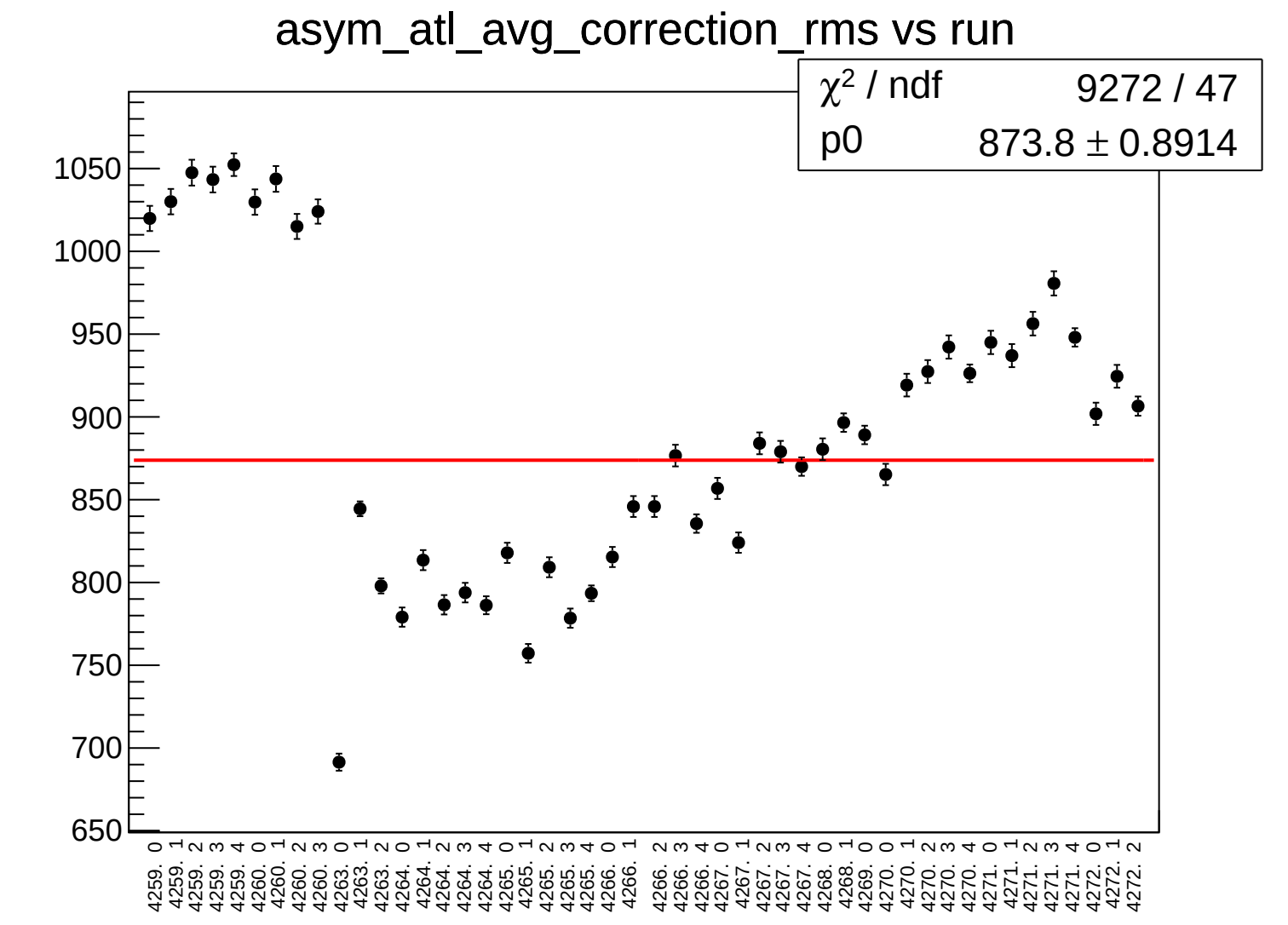

reg_asym_atl_avg_mean vs run
χ² / ndf 50.07 / 47
p0 897 ± 422.5
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −476.5
Std Dev 499.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

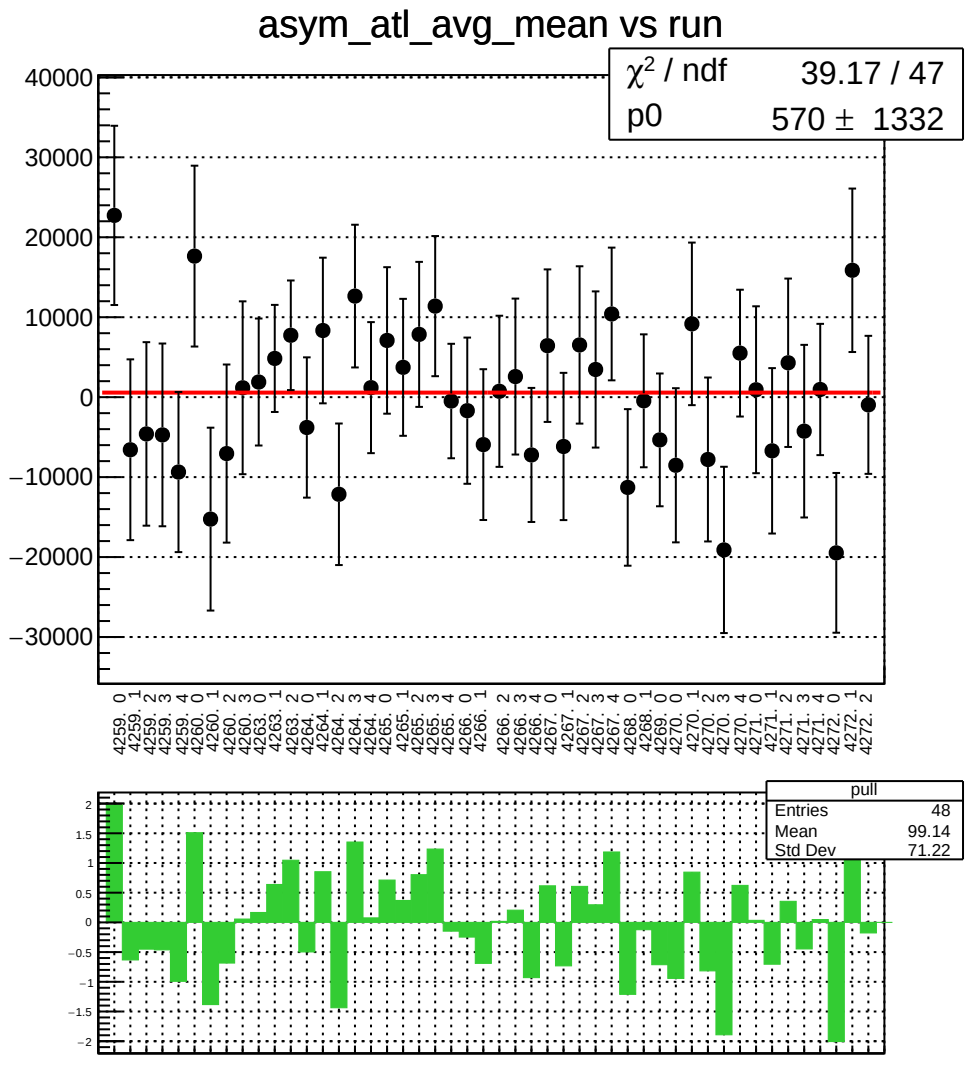

pull1D
Entries 48
Mean 0.007059
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

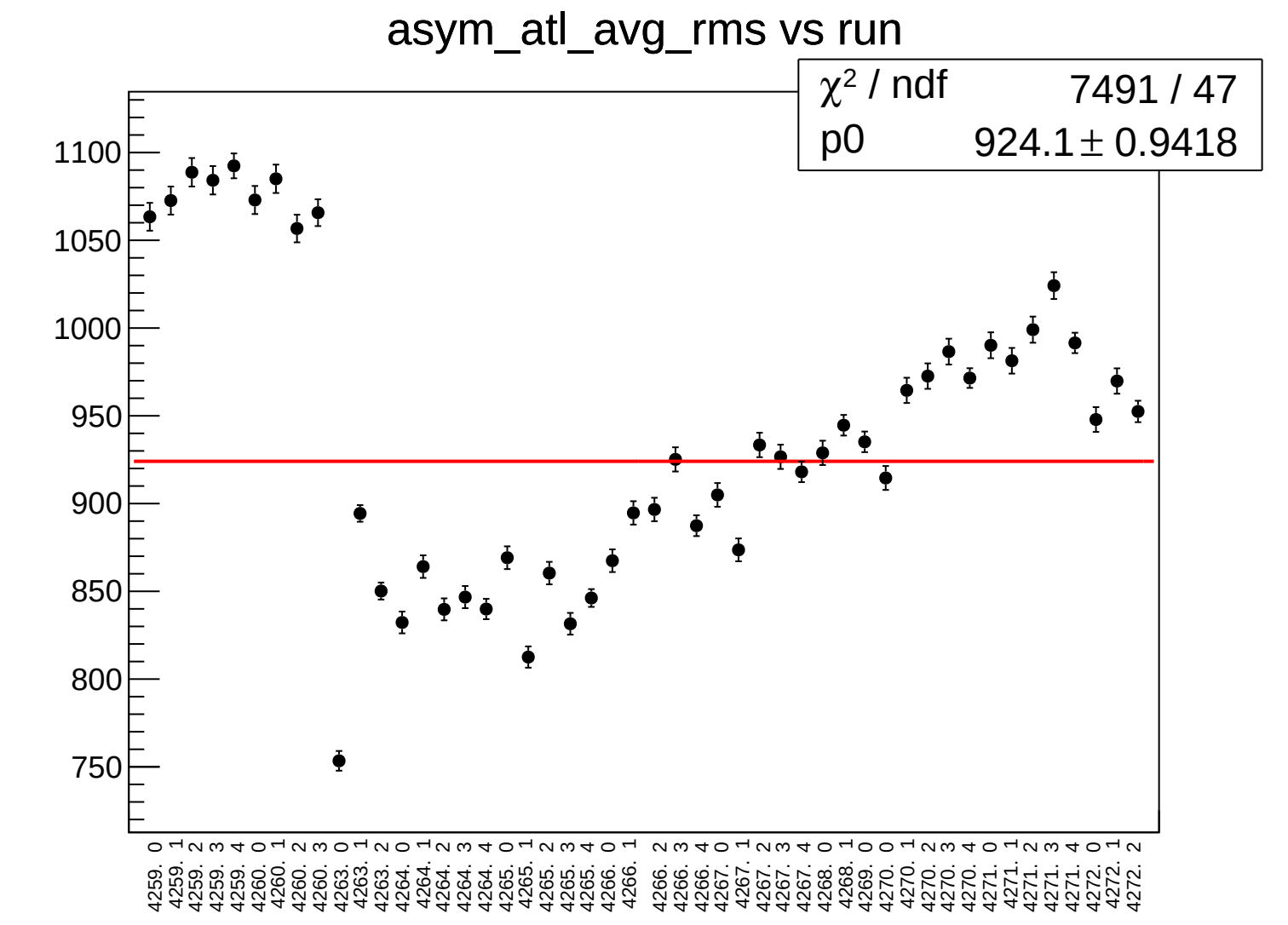

reg_asym_atl_avg_rms vs run
χ² / ndf 87.32 / 47
p0 294.3 ± 0.2987
304
302
300
298
296
294
292
290
288
286
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

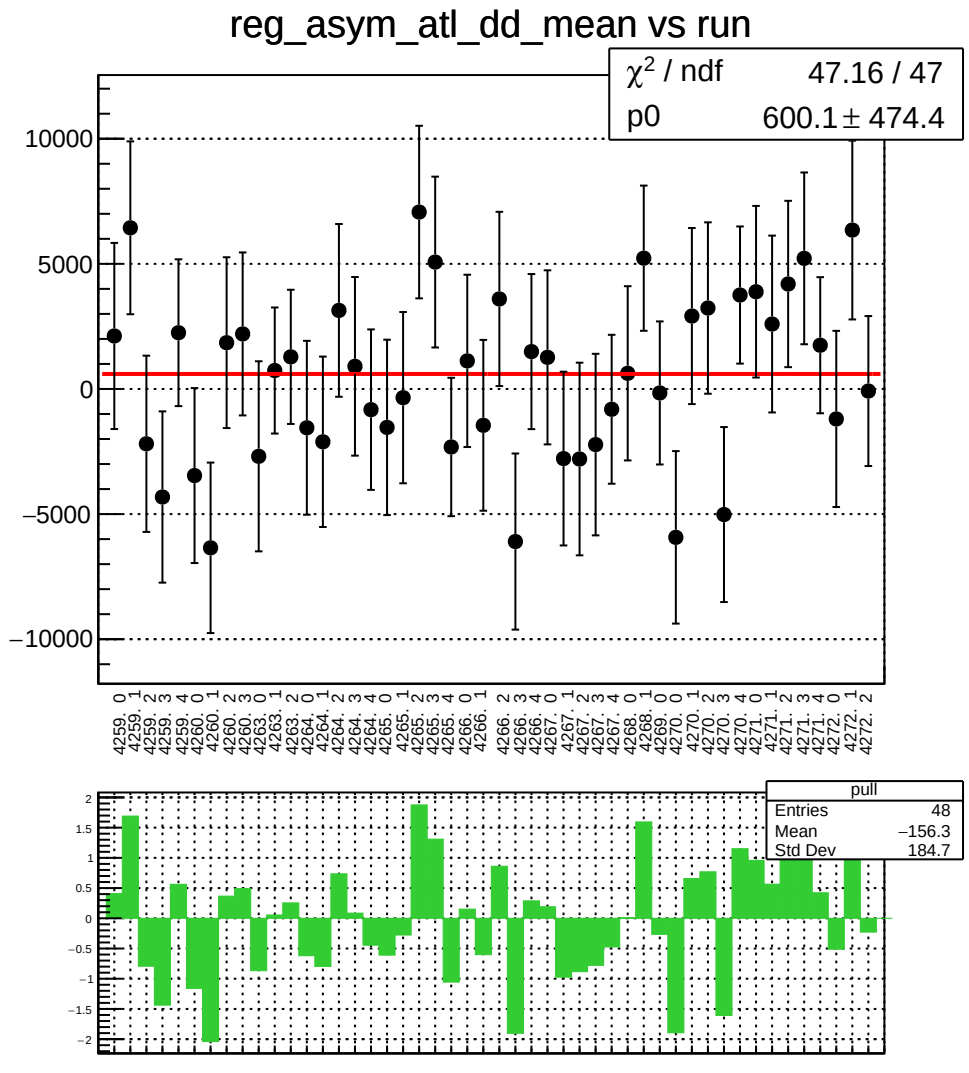

asym_atl_avg_correction_mean vs run
χ² / ndf 41.29 / 47
p0 373 ± 1261
pull
Entries 48
Mean 56.29
Std Dev 21.38

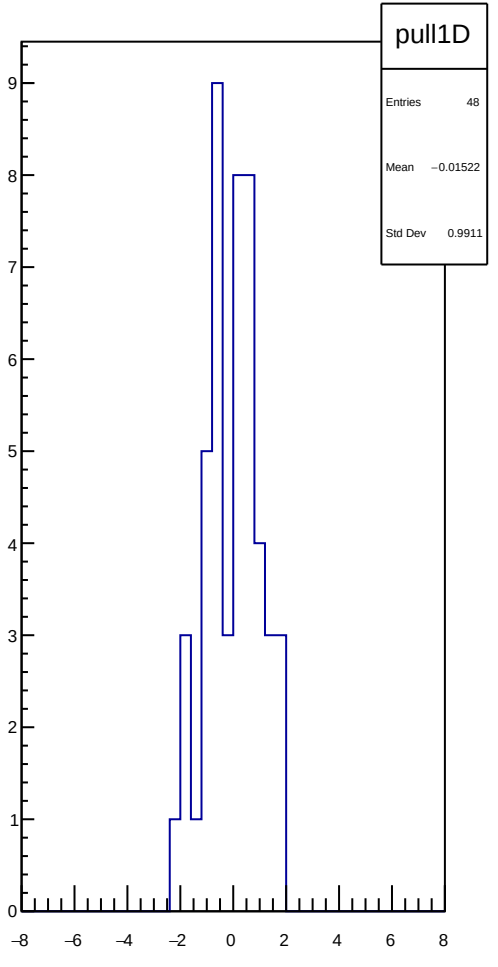

pull1D
Entries 48
Mean 0.02541
Std Dev 0.9271

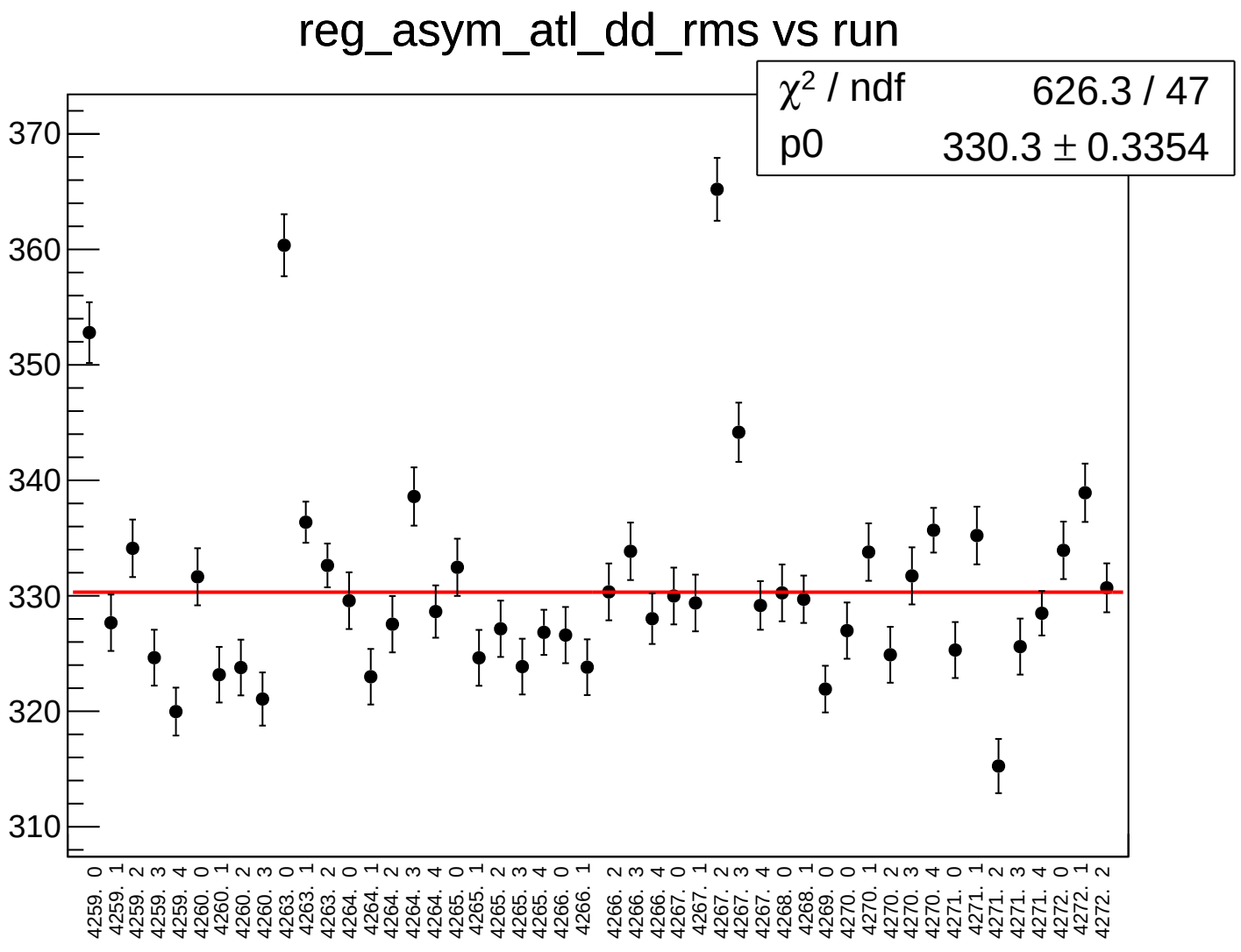

asym_atl_avg_correction_rms vs run
χ² / ndf 9272 / 47
p0 873.8 ± 0.8914
1050
1000
950
900
850
800
750
700
650
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

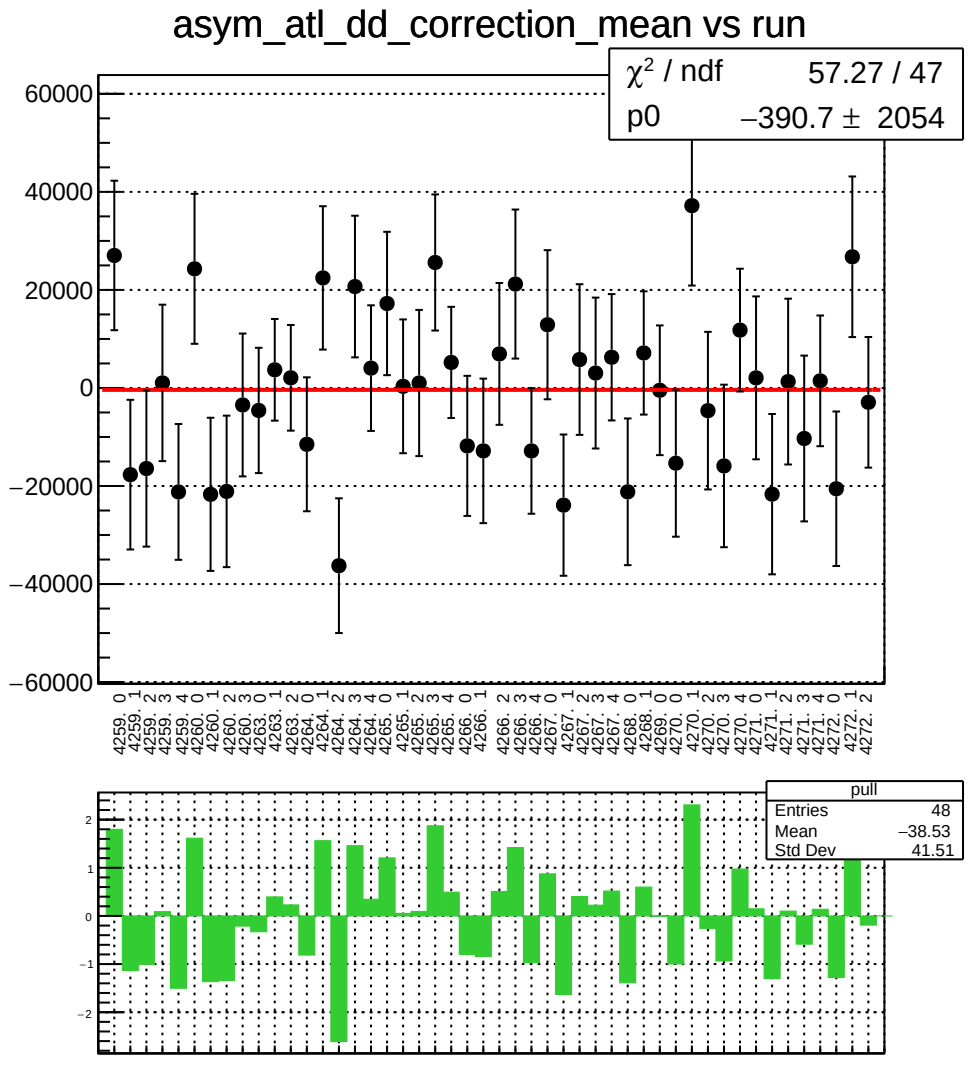

asym_atl_avg_mean vs run
χ² / ndf 39.17 / 47
p0 570 ± 1332
40000
30000
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 99.14
Std Dev 71.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean −0.02492
Std Dev 0.903
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

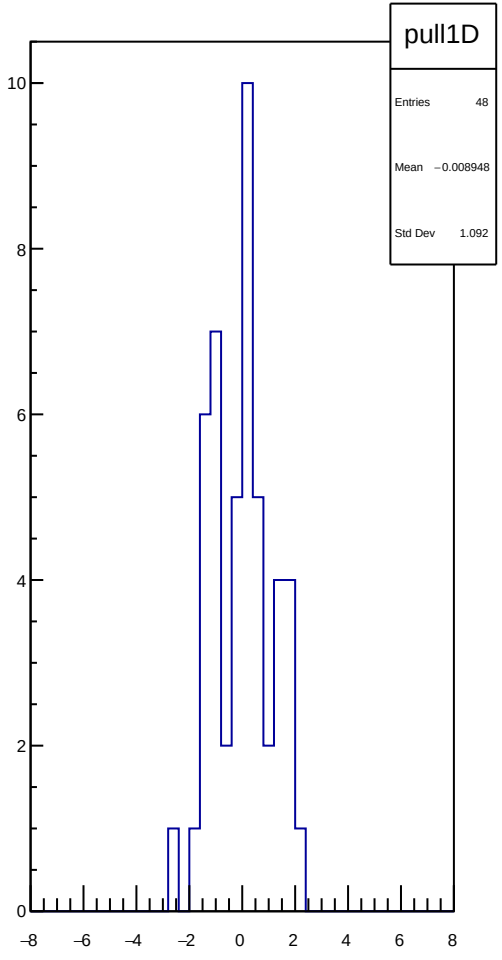

asym_atl_avg_rms vs run
χ² / ndf 7491 / 47
p0 924.1 ± 0.9418
1100
1050
1000
950
900
850
800
750
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

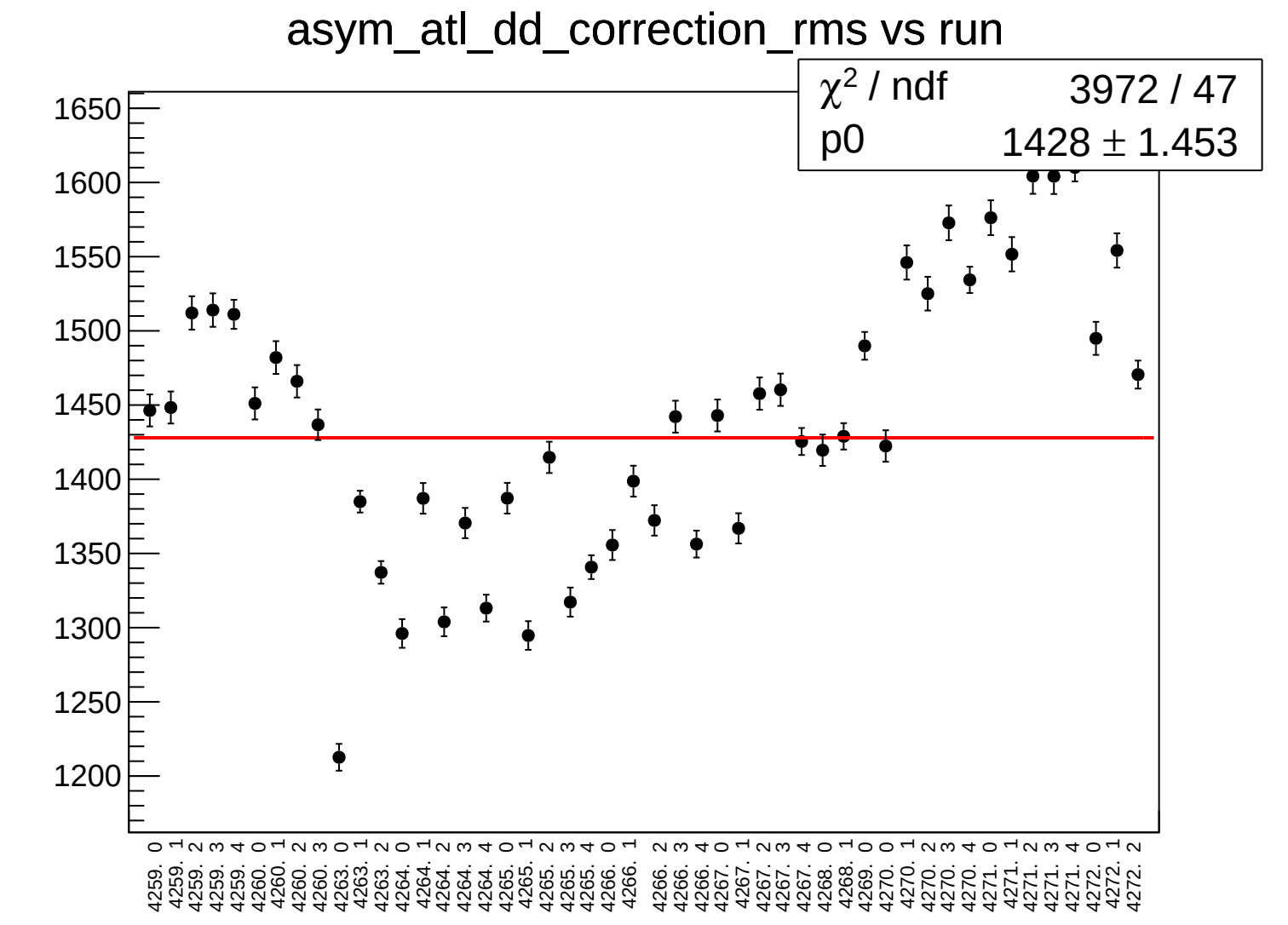

reg_asym_atl_dd_mean vs run
χ^2 / ndf 47.16 / 47
p0 600.1 ± 474.4
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −156.3
Std Dev 184.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

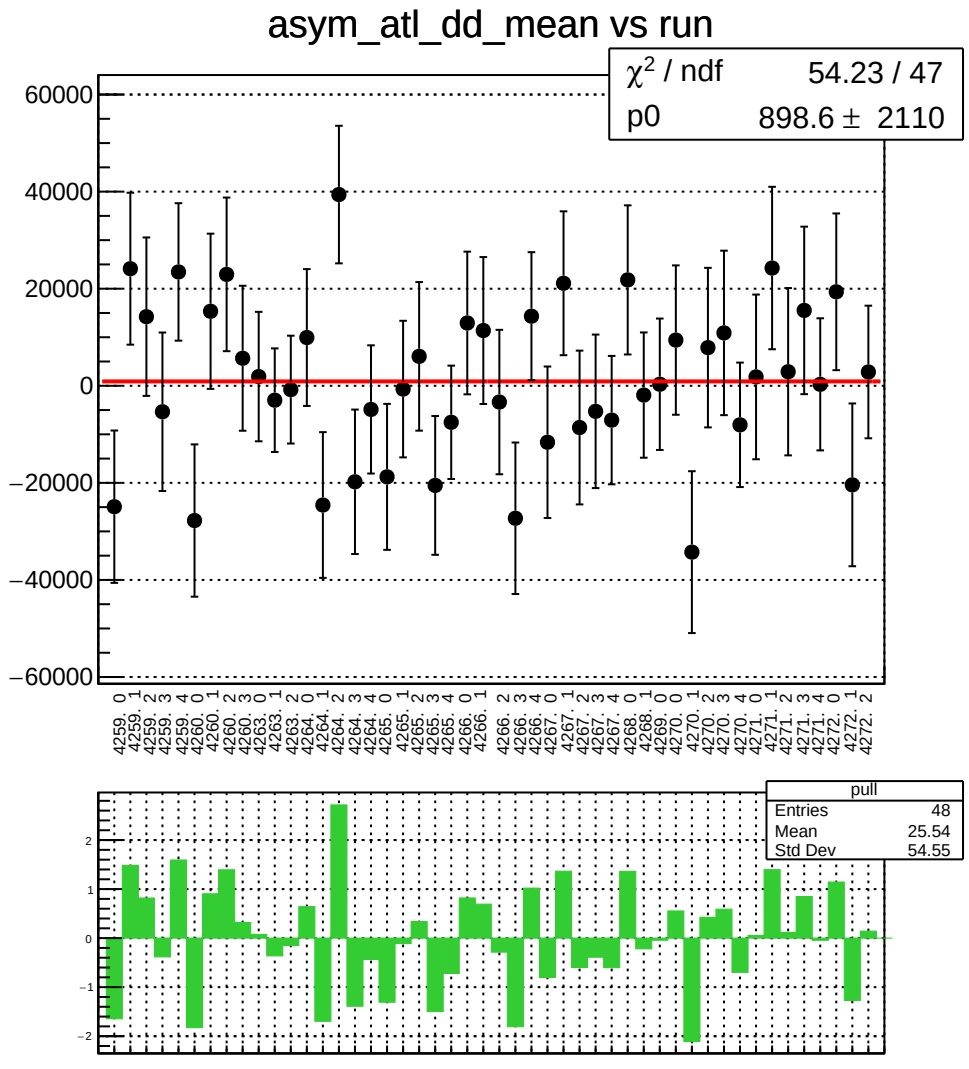

pull1D
Entries 48
Mean −0.01522
Std Dev 0.9911
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

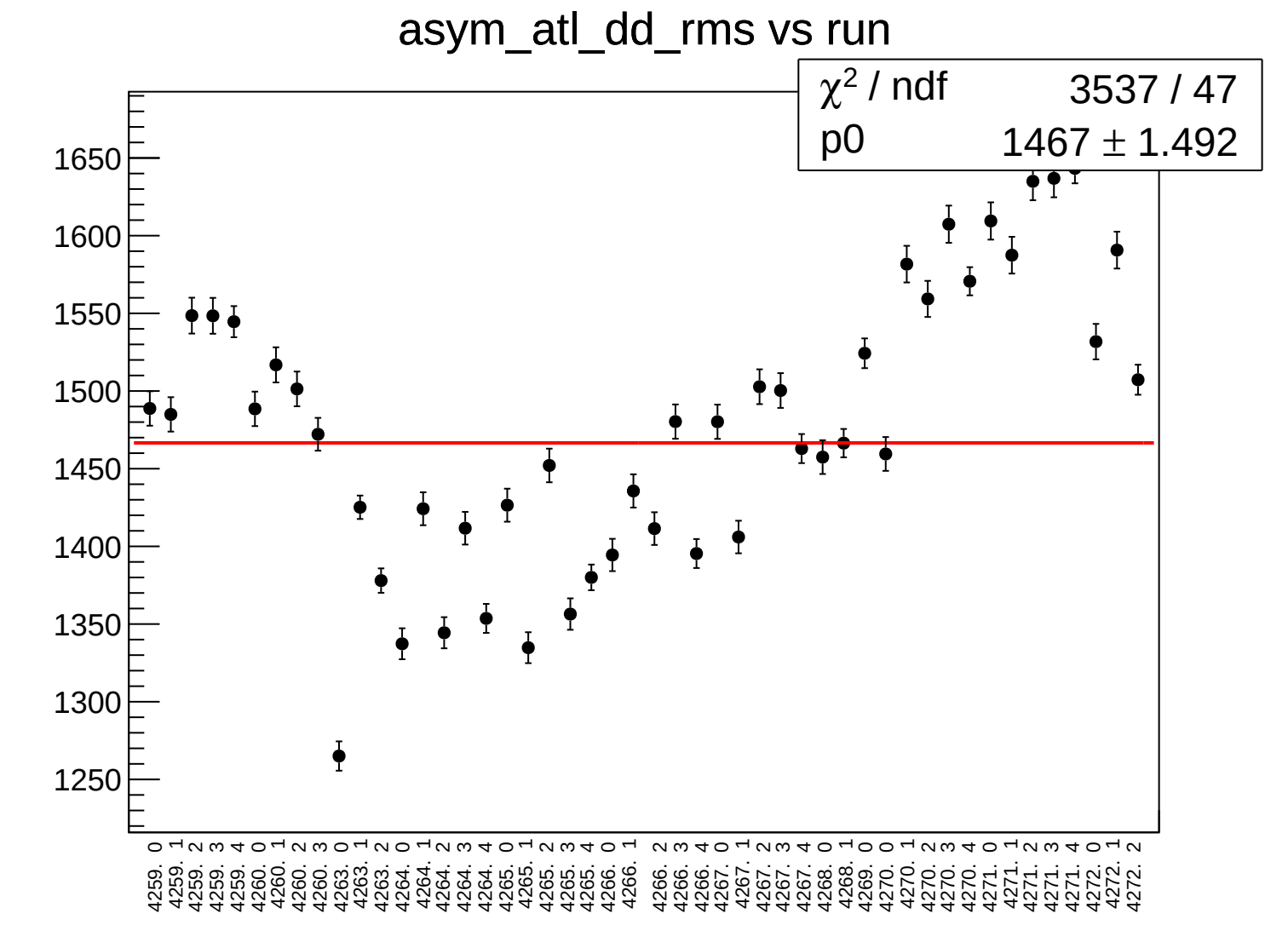

reg_asym_atl_dd_rms vs run
χ² / ndf 626.3 / 47
p0 330.3 ± 0.3354
370
360
350
340
330
320
310
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

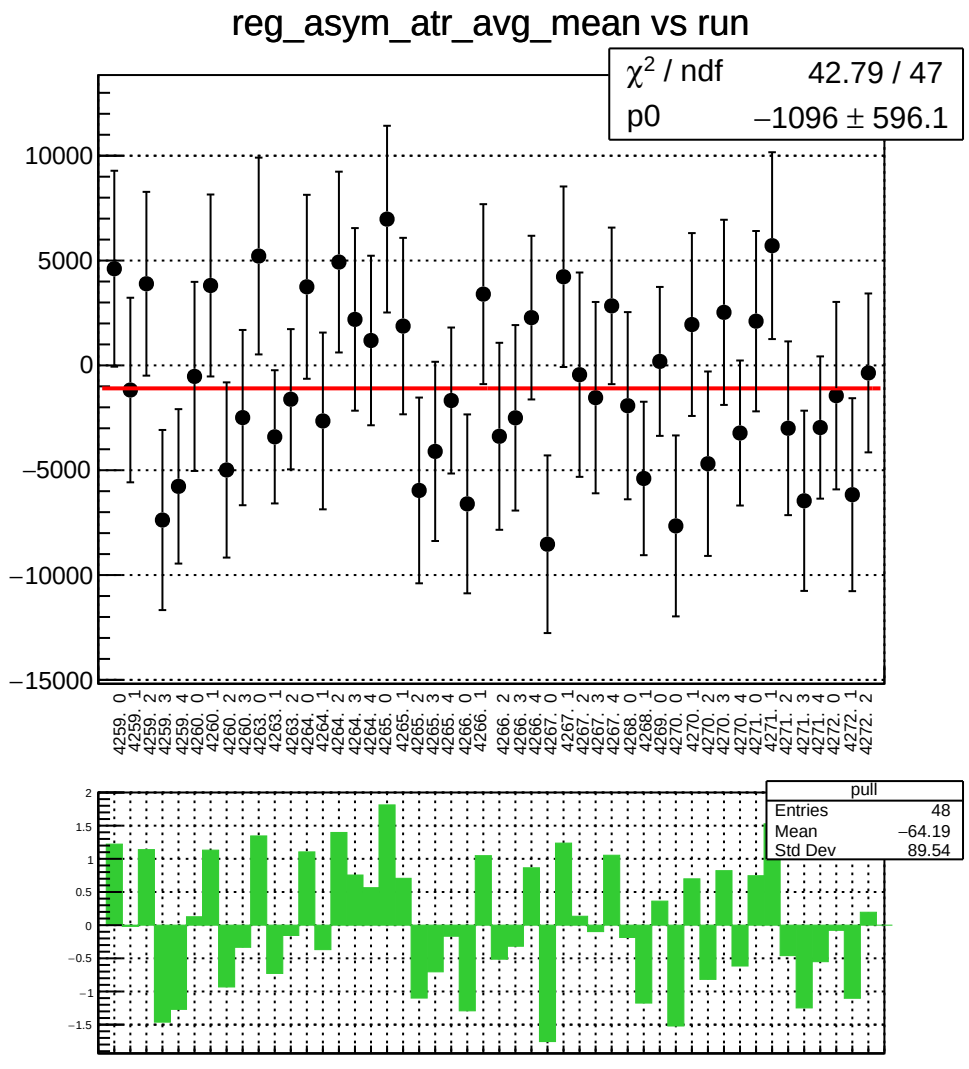

asym_atl_dd_correction_mean vs run
χ² / ndf 57.27 / 47
p0 −390.7 ± 2054
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −38.53
Std Dev 41.51
2
1
0
−1
−2

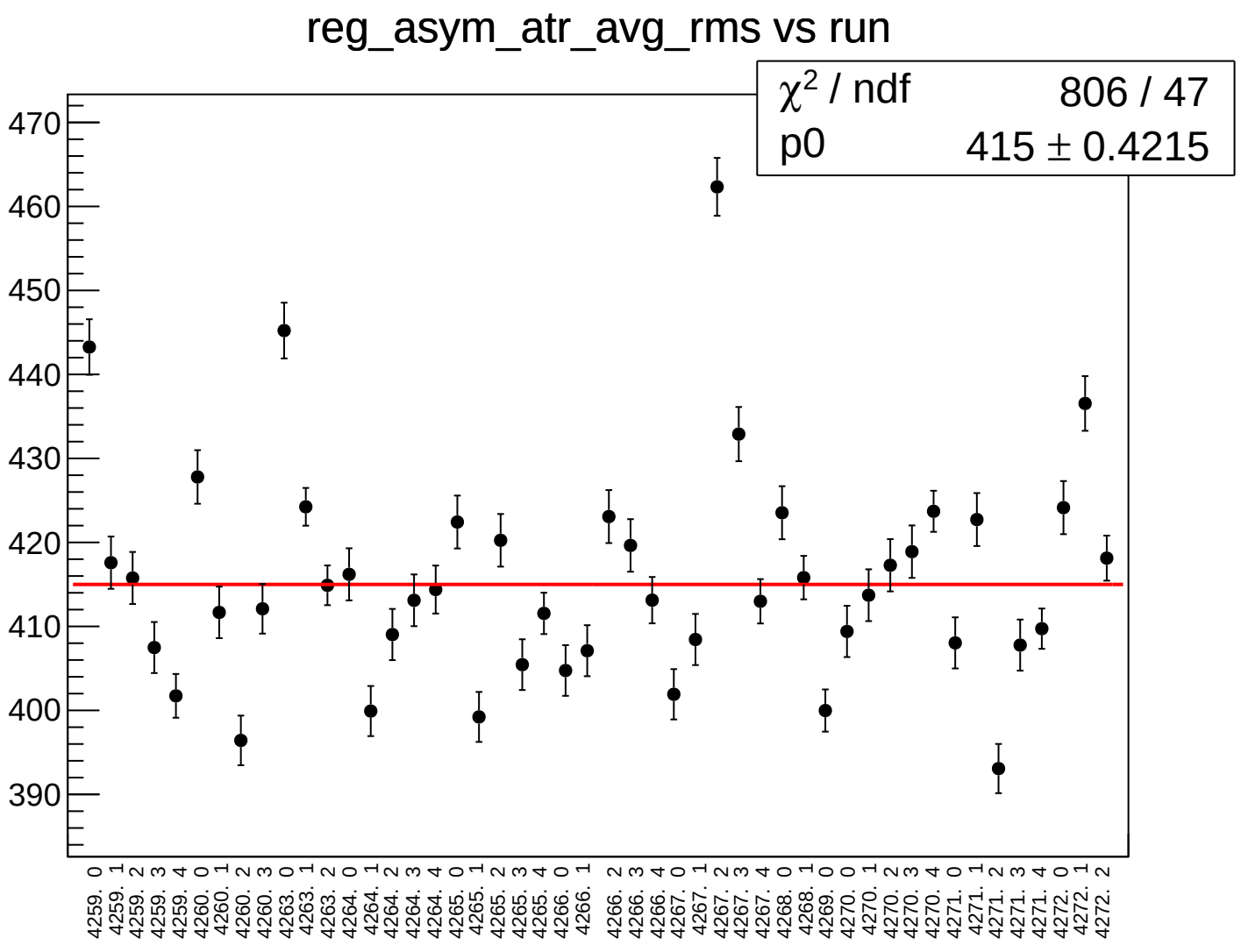

pull1D
Entries 48
Mean −0.008948
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

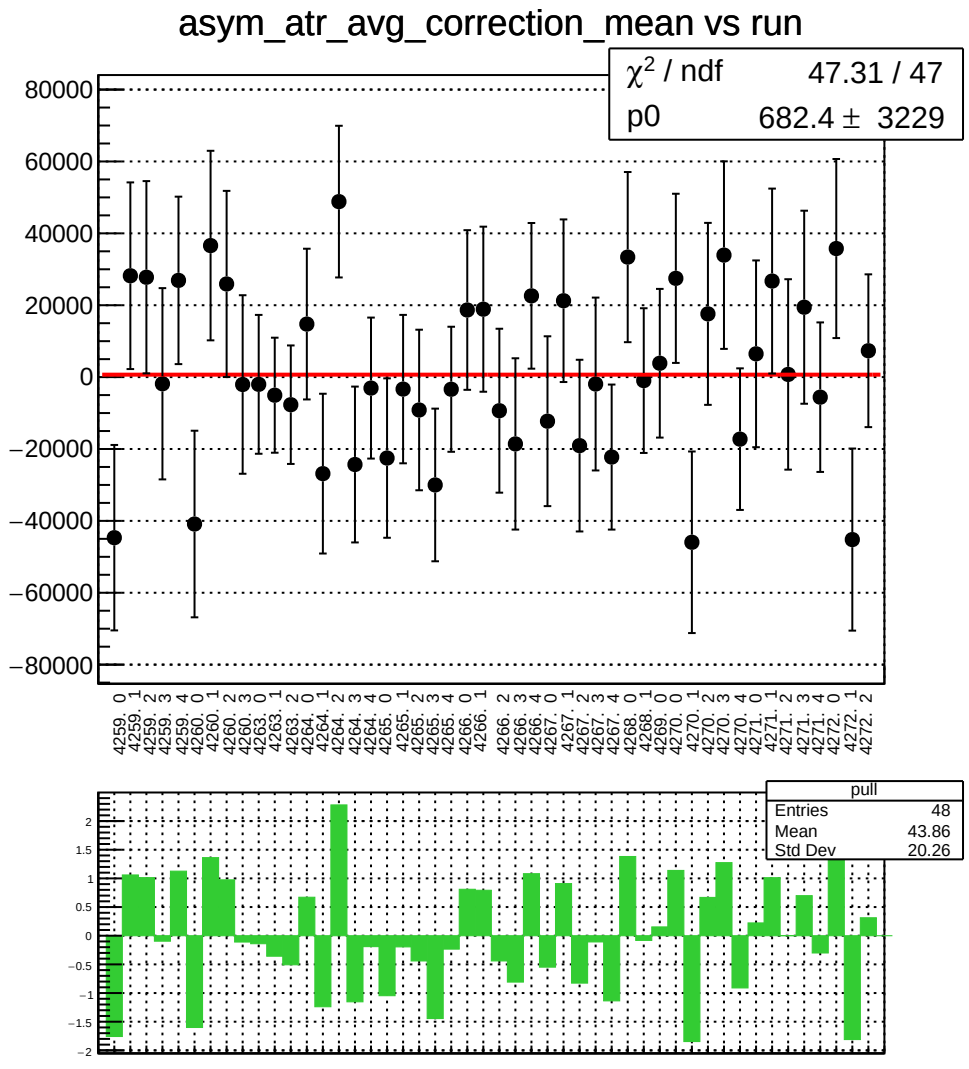

asym_atl_dd_correction_rms vs run
χ² / ndf 3972 / 47
p0 1428 ± 1.453
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

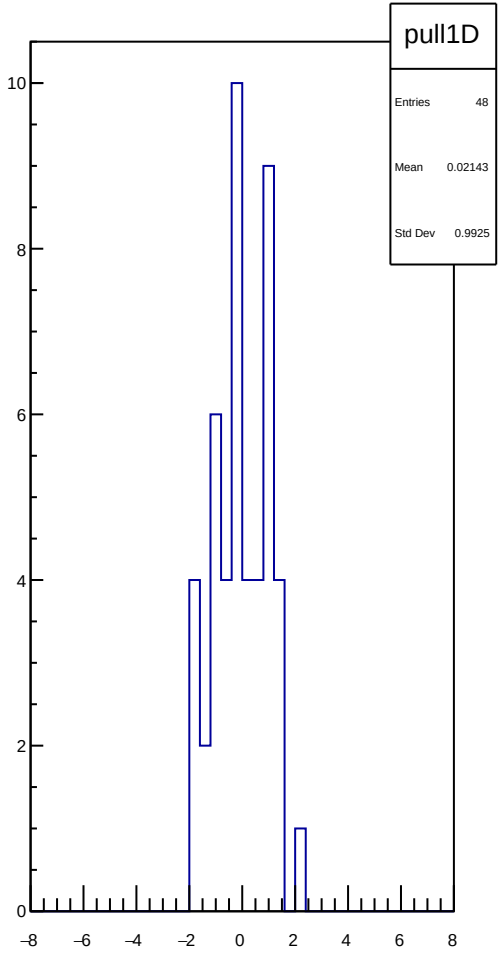

asym_atl_dd_mean vs run
χ^2 / ndf 54.23 / 47
p0 898.6 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 25.54
Std Dev 54.55
2
1
0
−1
−2
pull1D
Entries 48
Mean 0.008373
Std Dev 1.063
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

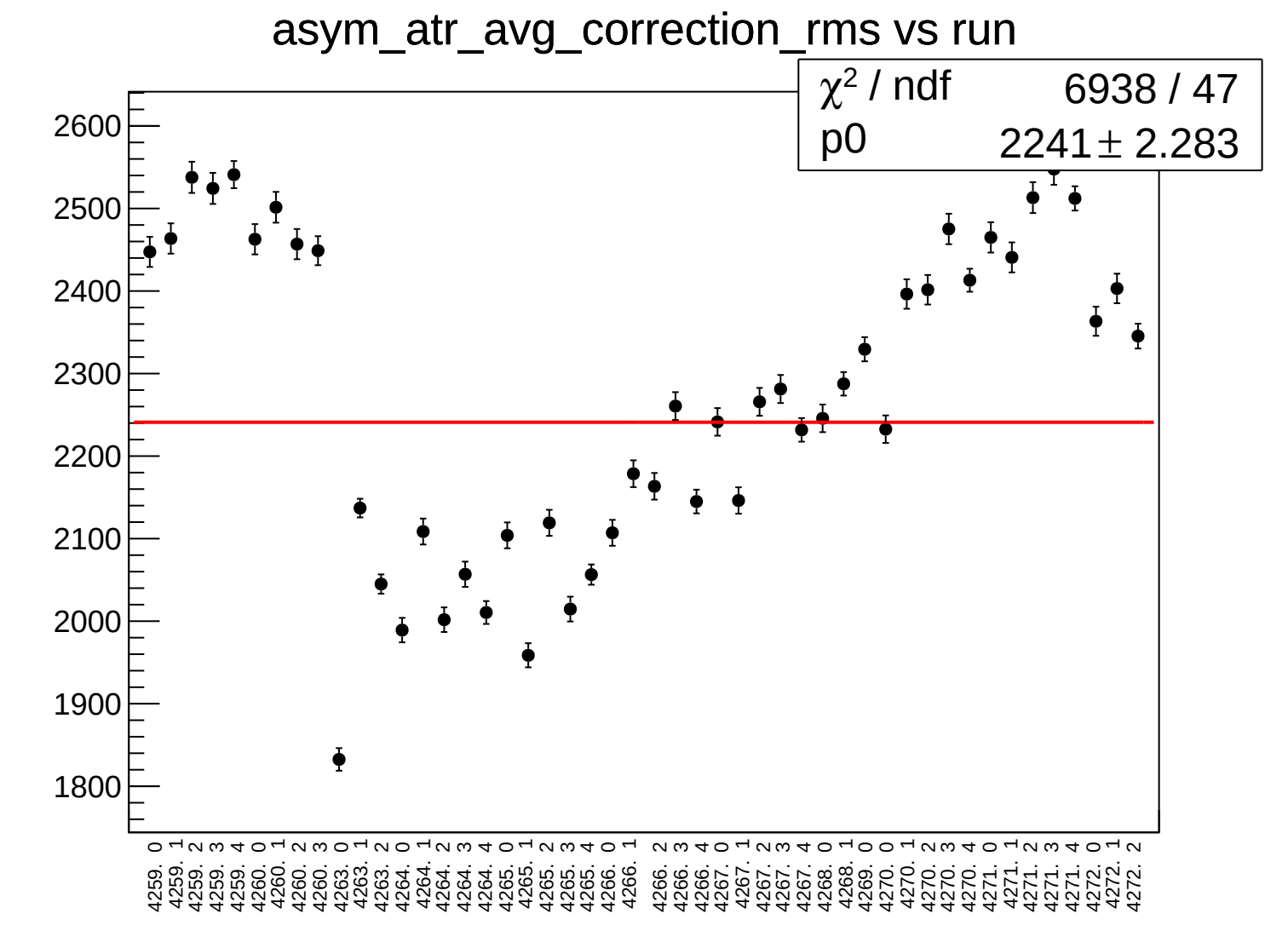

asym_atl_dd_rms vs run
χ² / ndf 3537 / 47
p0 1467 ± 1.492
1650
1600
1550
1500
1450
1400
1350
1300
1250
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

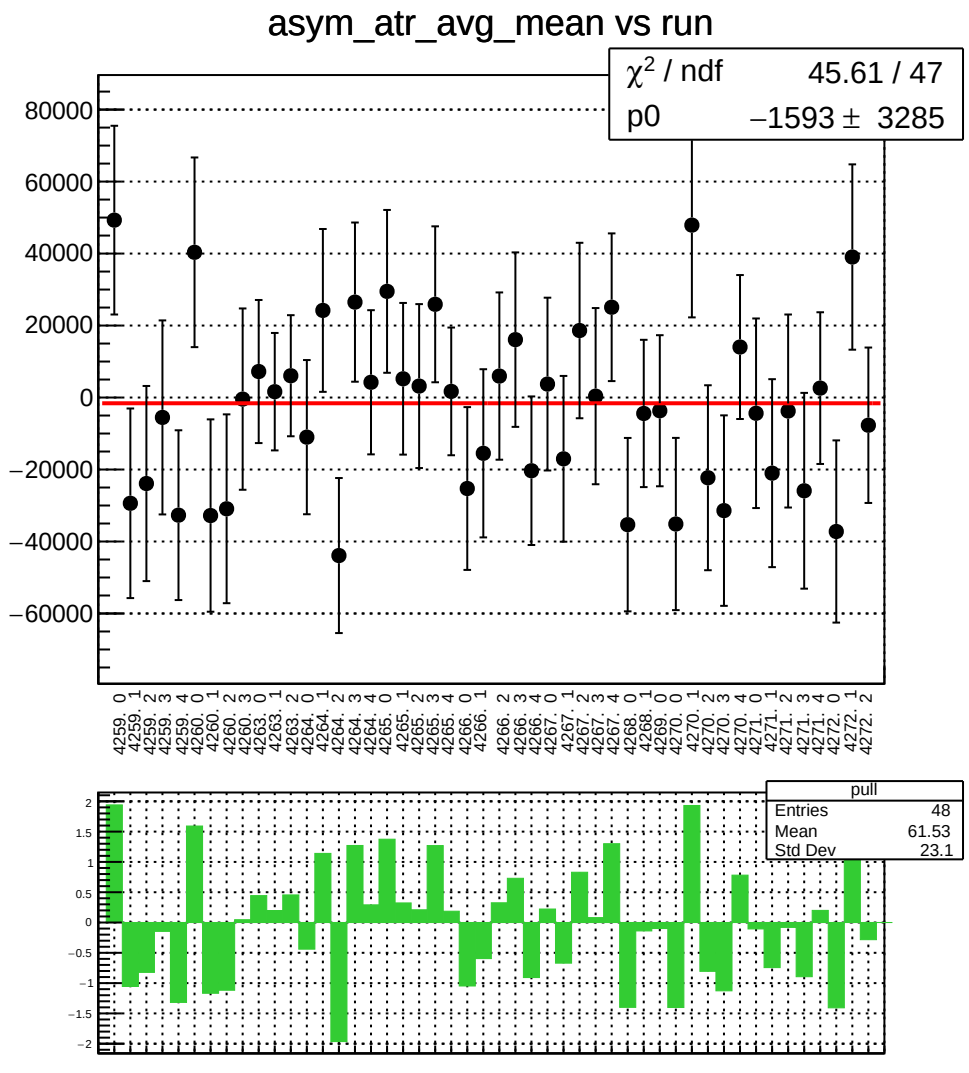

reg_asym_atr_avg_mean vs run
χ² / ndf 42.79 / 47
p0 −1096 ± 596.1
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −64.19
Std Dev 89.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean 0.02151
Std Dev 0.9439
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

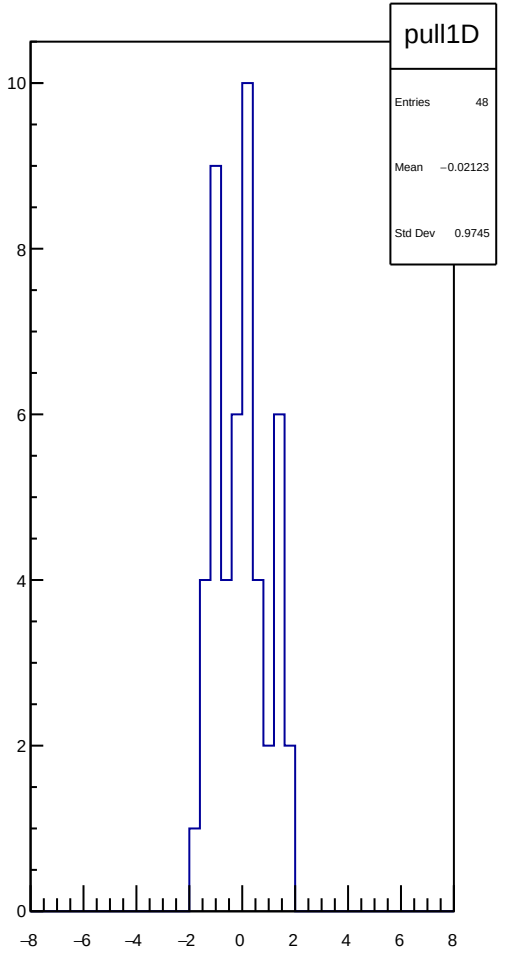

reg_asym_atr_avg_rms vs run
χ² / ndf 806 / 47
p0 415 ± 0.4215
470
460
450
440
430
420
410
400
390
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

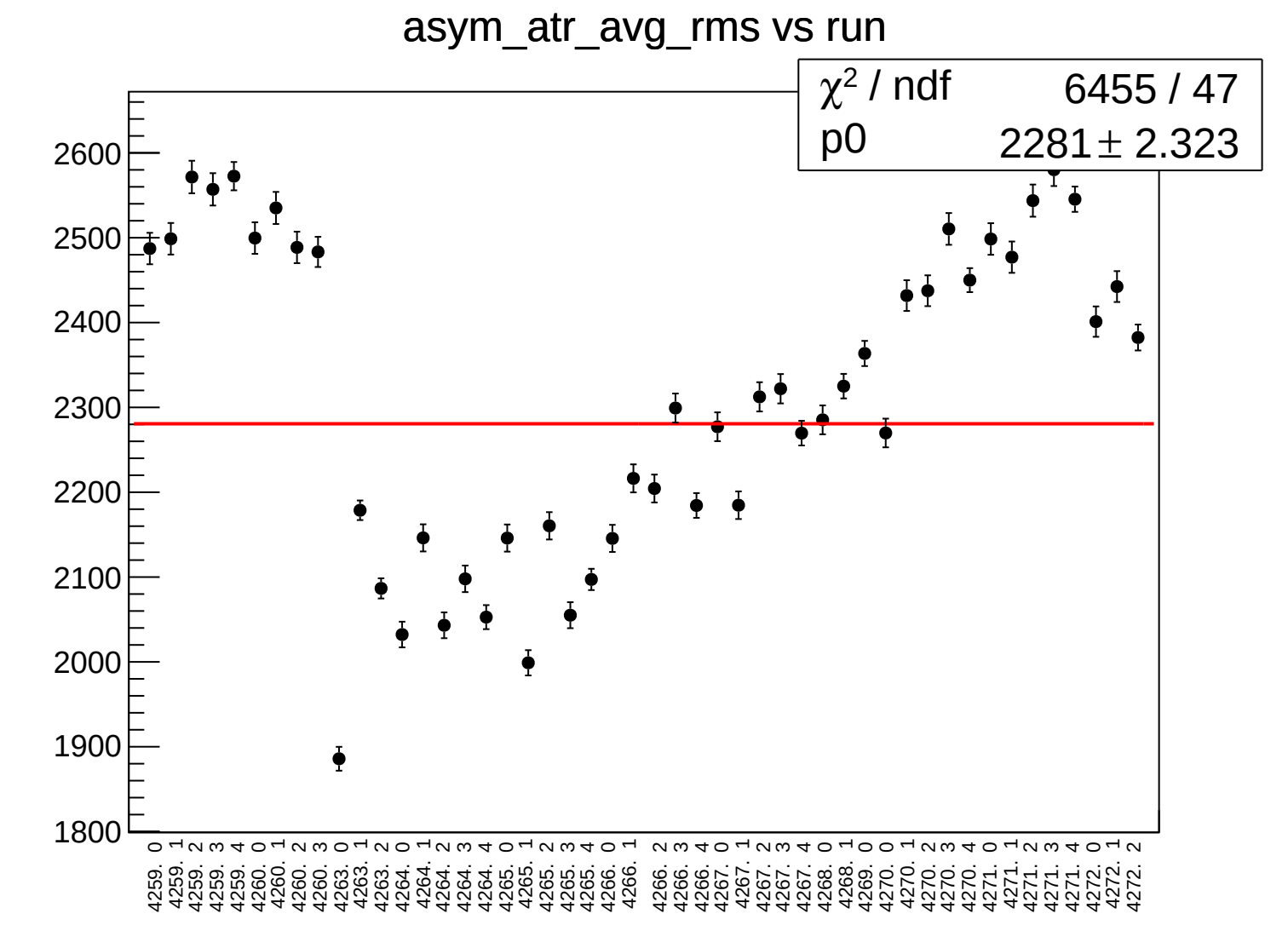

asym_atr_avg_correction_mean vs run
χ² / ndf 47.31 / 47
p0 682.4 ± 3229
pull
Entries 48
Mean 43.86
Std Dev 20.26

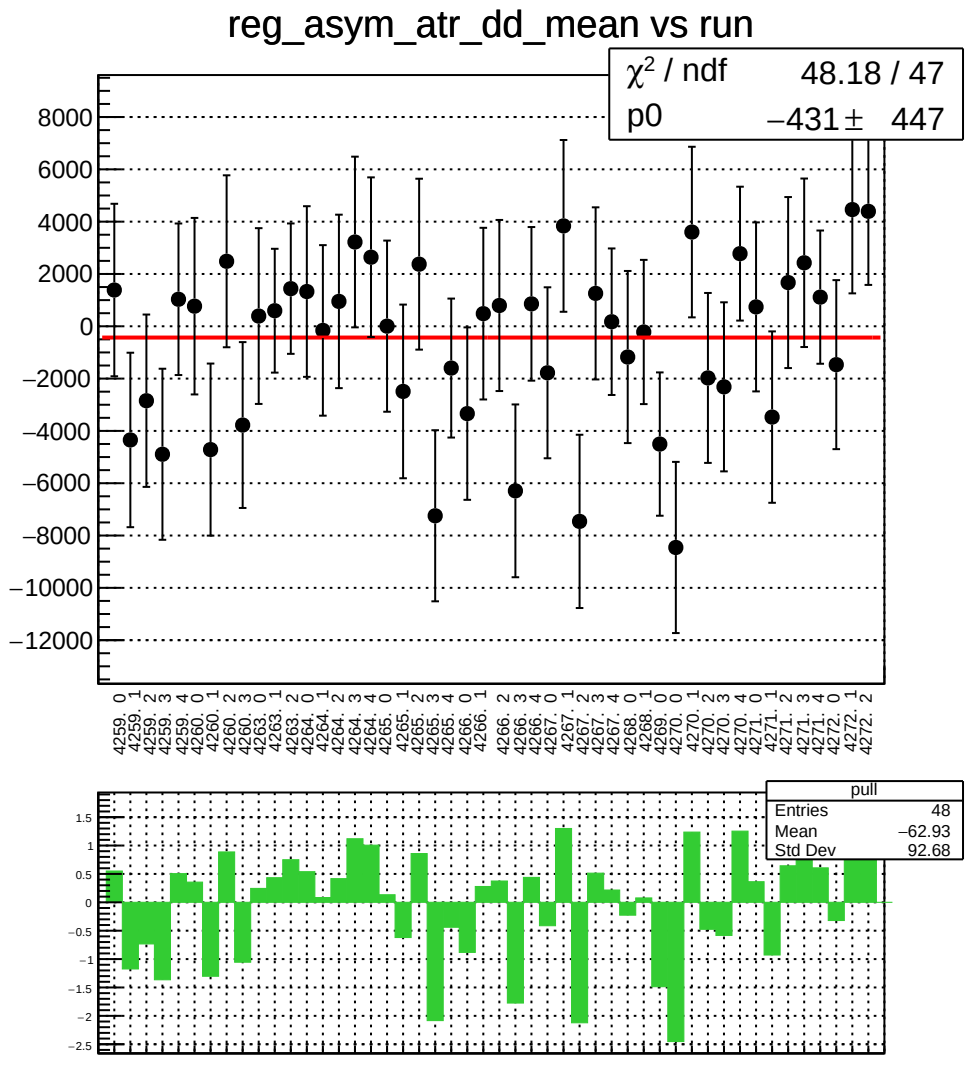

pull1D
Entries 48
Mean 0.02143
Std Dev 0.9925

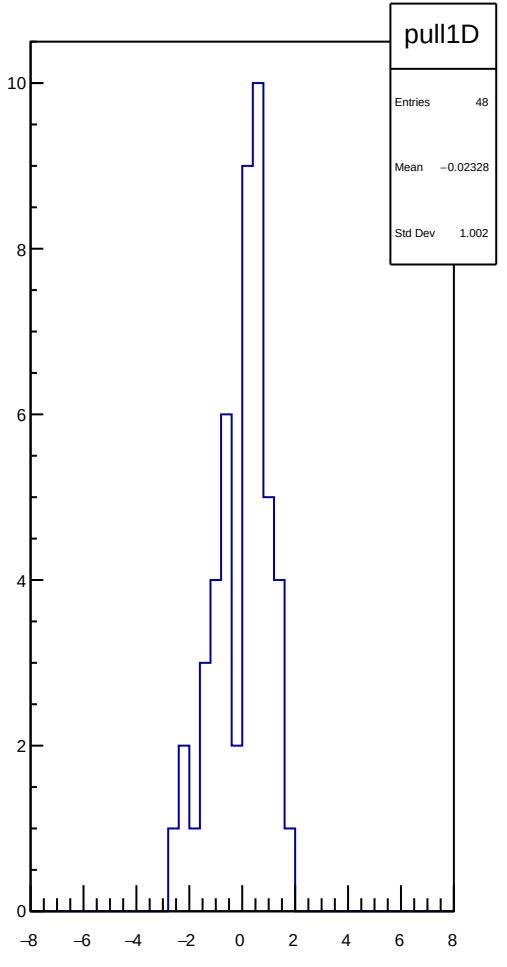

asym_atr_avg_correction_rms vs run
χ² / ndf 6938 / 47
p0 2241 ± 2.283
2600
2500
2400
2300
2200
2100
2000
1900
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

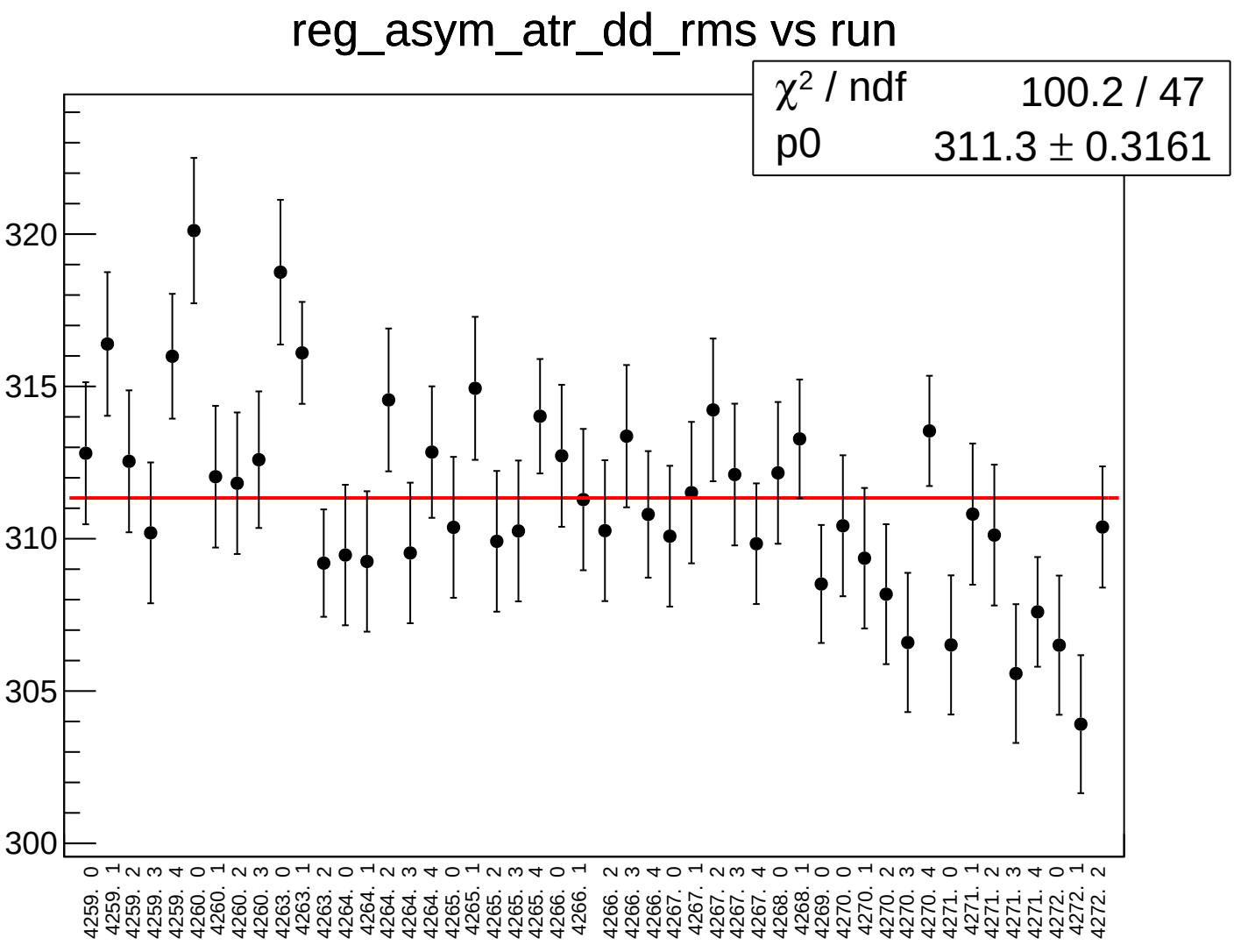

asym_atr_avg_mean vs run
χ² / ndf 45.61 / 47
p0 −1593 ± 3285
80000
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 61.53
Std Dev 23.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

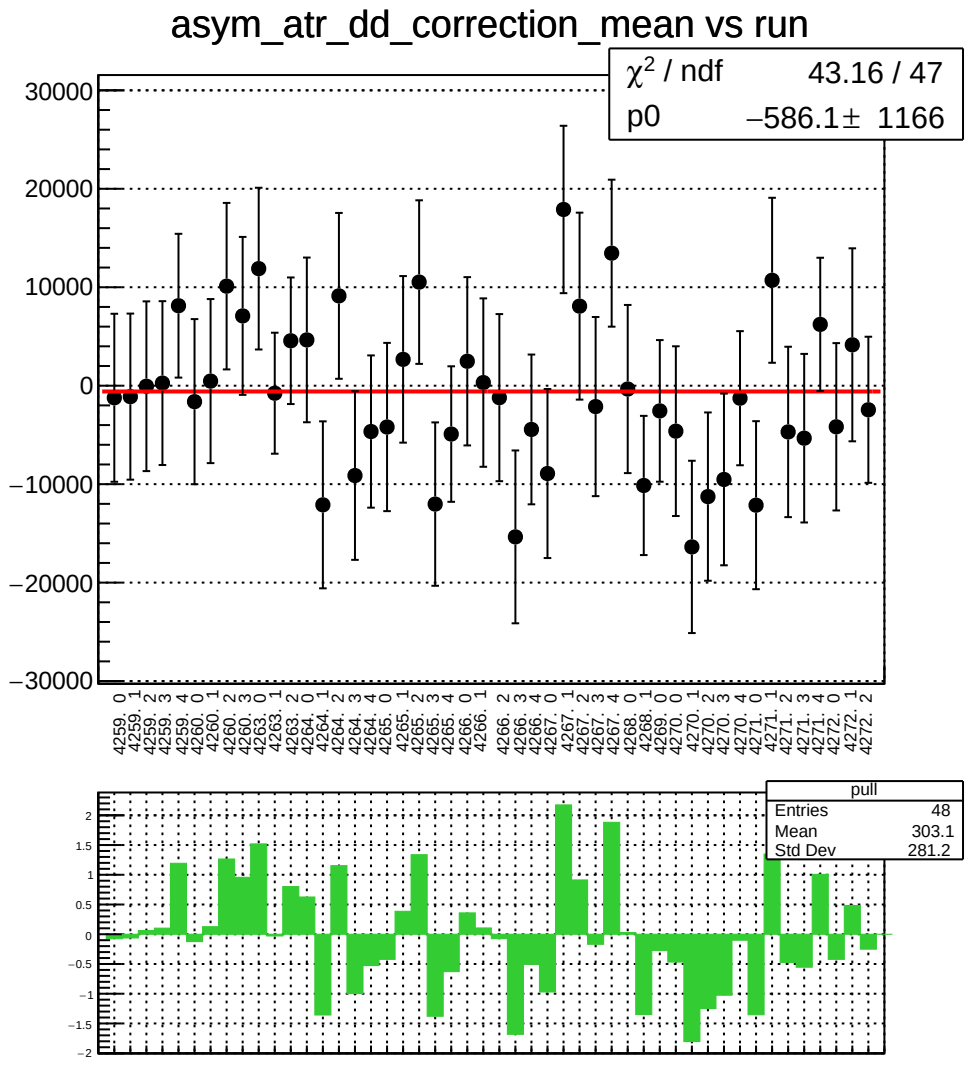

pull1D
Entries 48
Mean −0.02123
Std Dev 0.9745
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

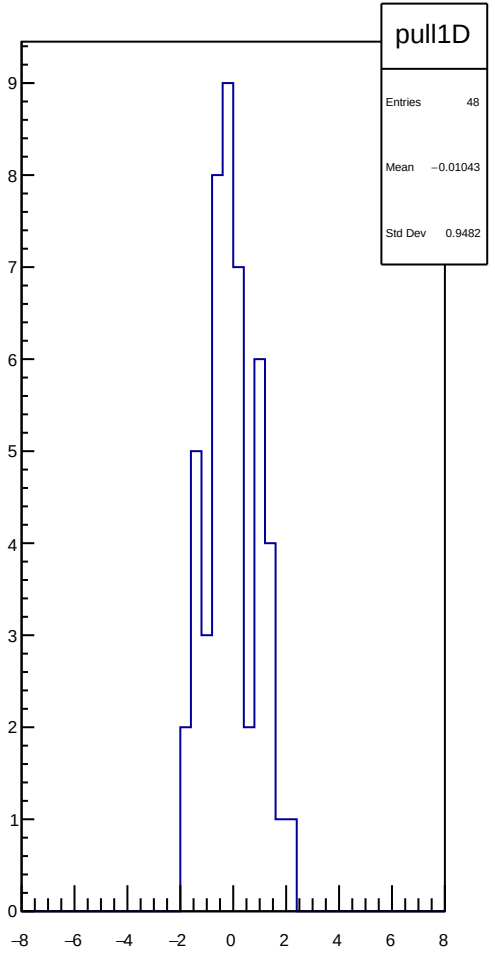

asym_atr_avg_rms vs run
χ² / ndf 6455 / 47
p0 2281 ± 2.323
2600
2500
2400
2300
2200
2100
2000
1900
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

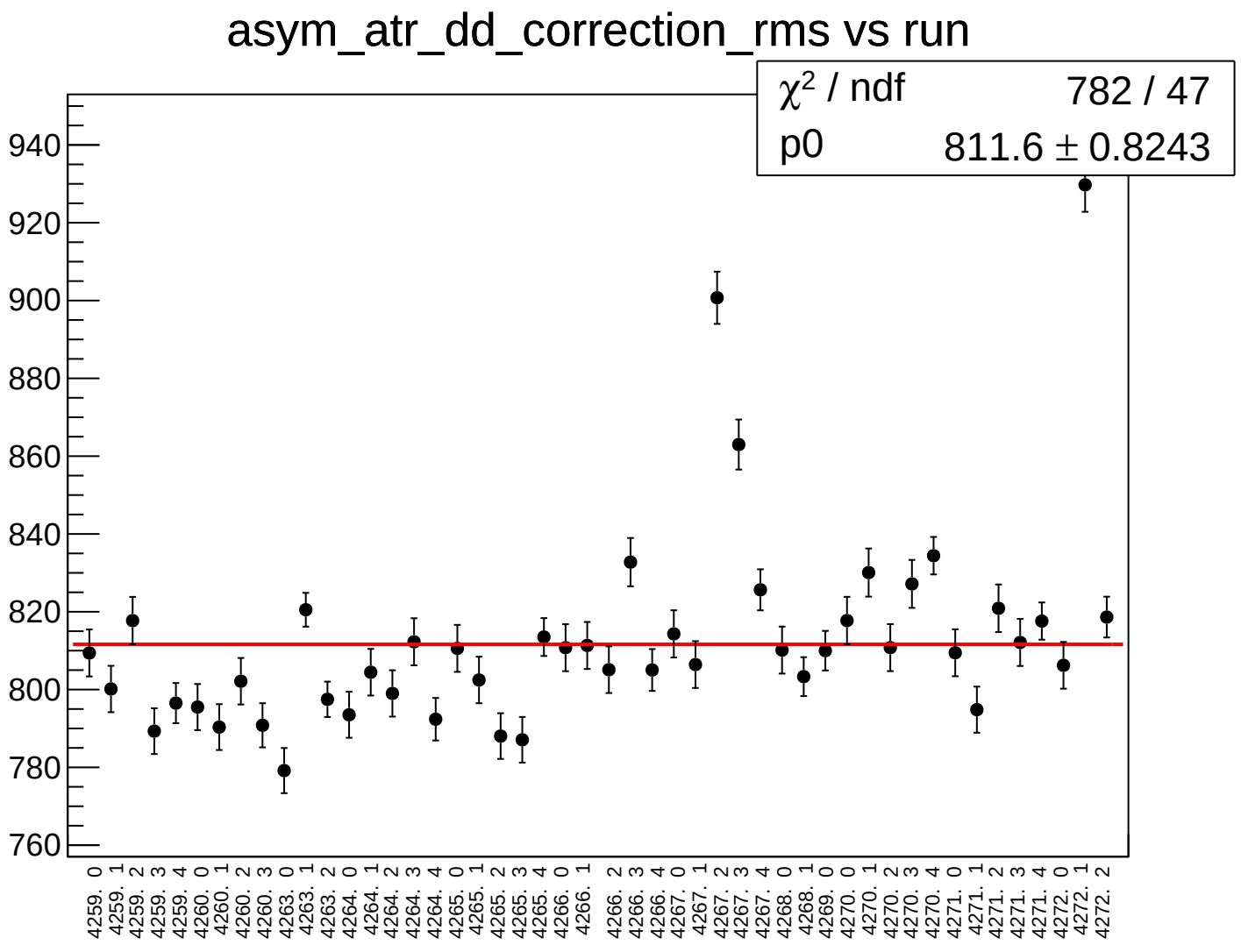

reg_asym_atr_dd_mean vs run
χ² / ndf 48.18 / 47
p0 −431 ± 447
pull
Entries 48
Mean −62.93
Std Dev 92.68

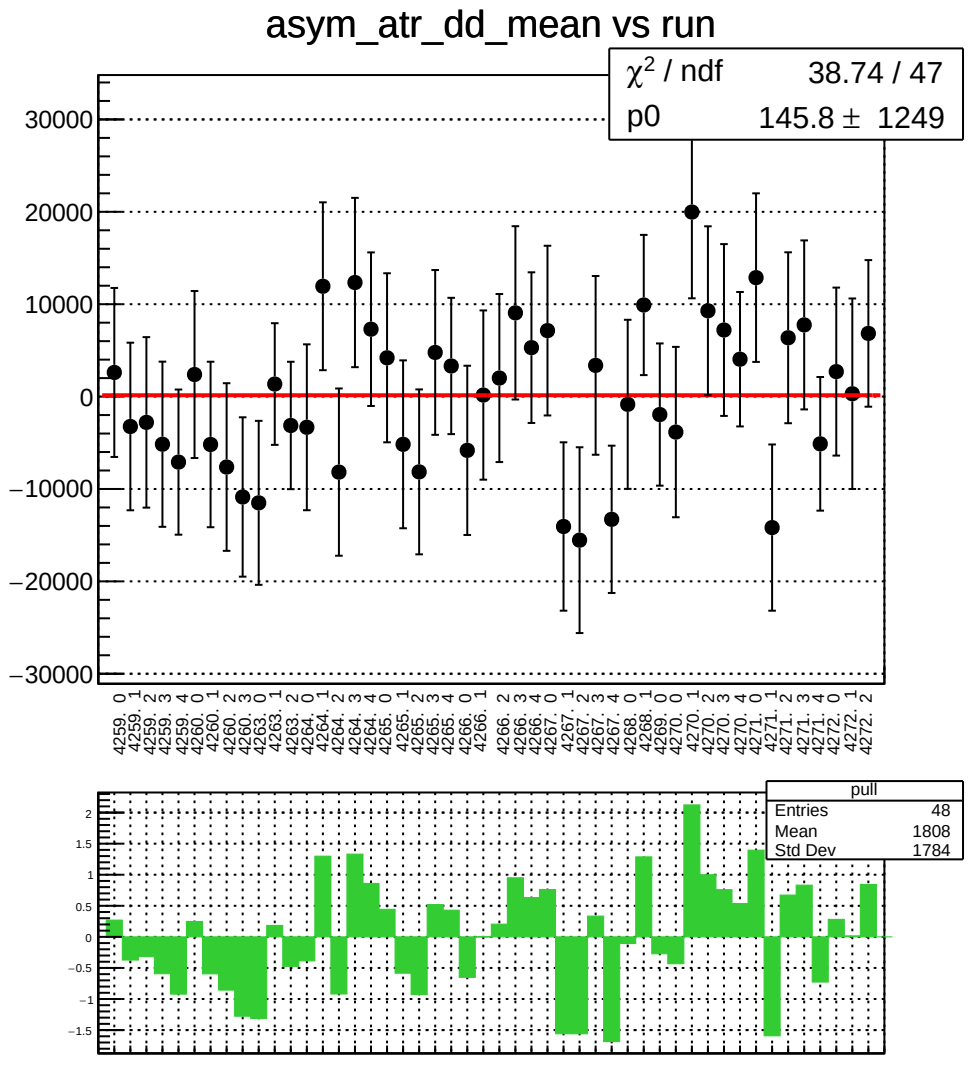

pull1D
Entries 48
Mean −0.02328
Std Dev 1.002

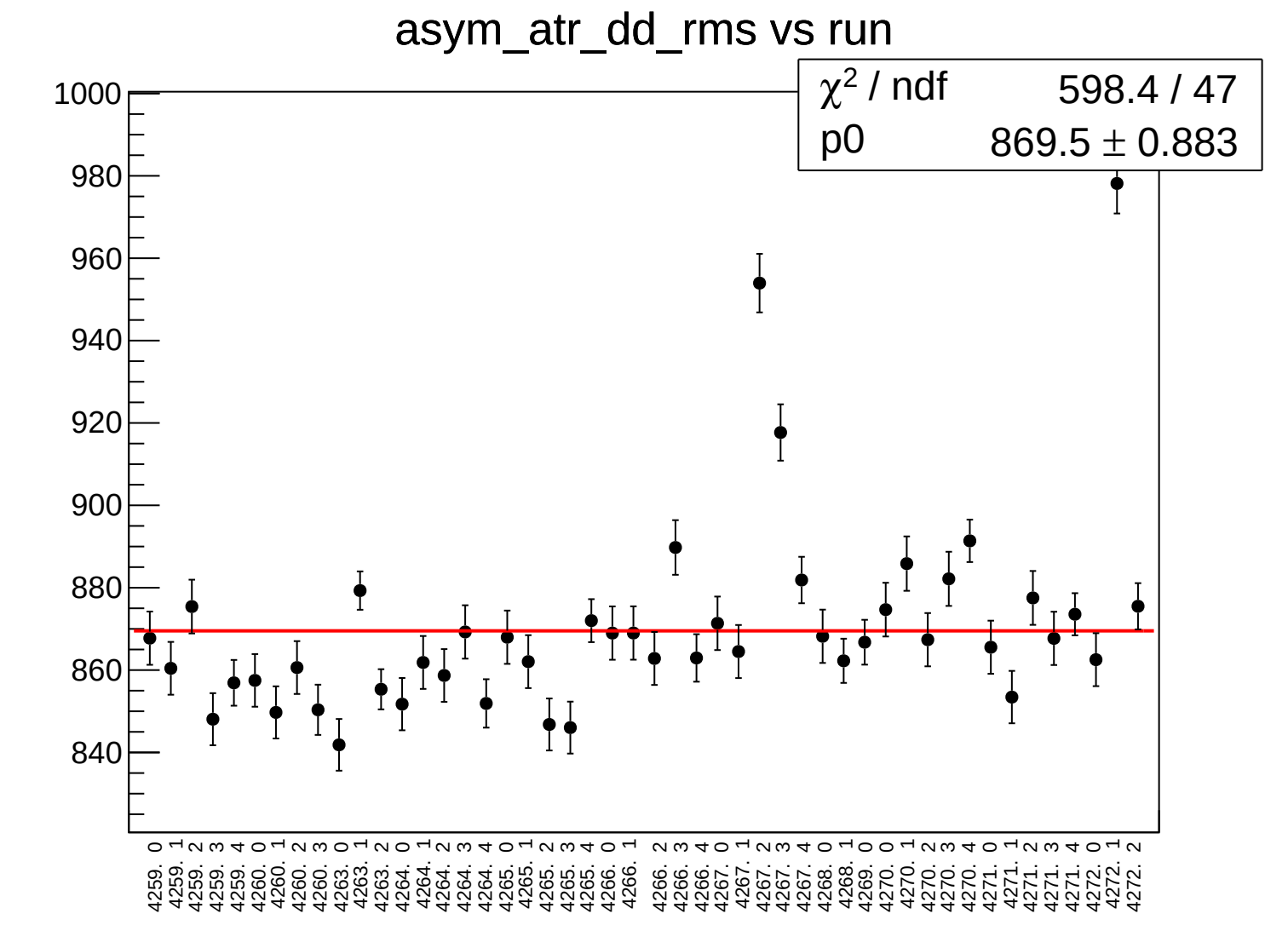

reg_asym_atr_dd_rms vs run
χ² / ndf 100.2 / 47
p0 311.3 ± 0.3161
320
315
310
305
300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

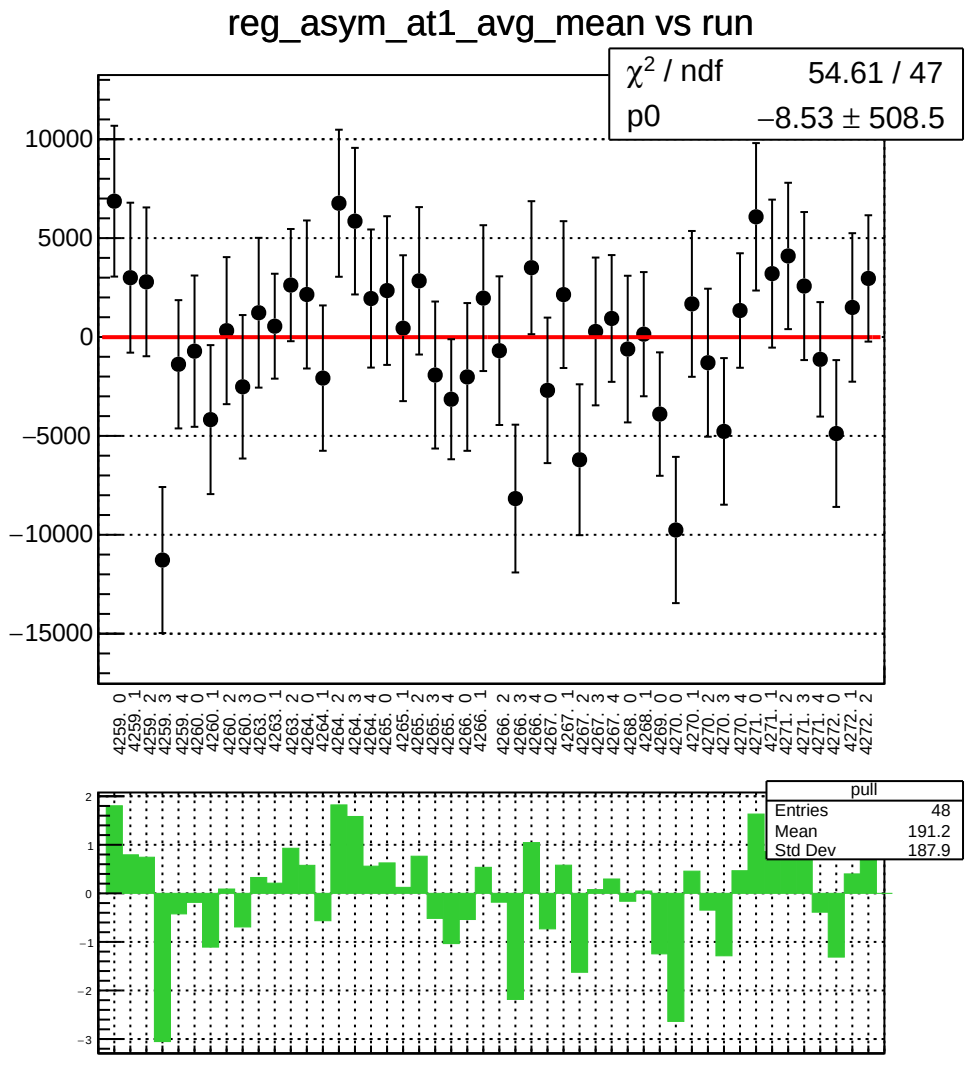

asym_atr_dd_correction_mean vs run
χ² / ndf 43.16 / 47
p0 −586.1± 1166
pull
Entries 48
Mean 303.1
Std Dev 281.2

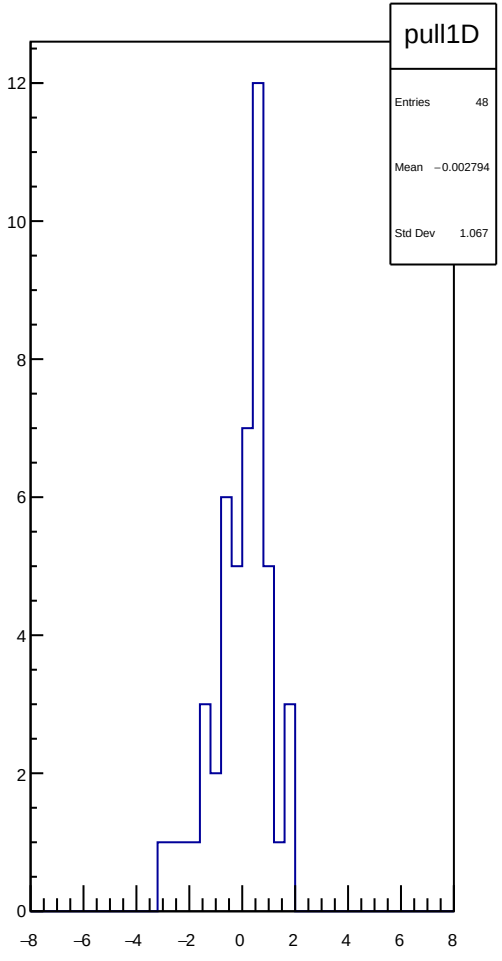

pull1D
Entries 48
Mean −0.01043
Std Dev 0.9482

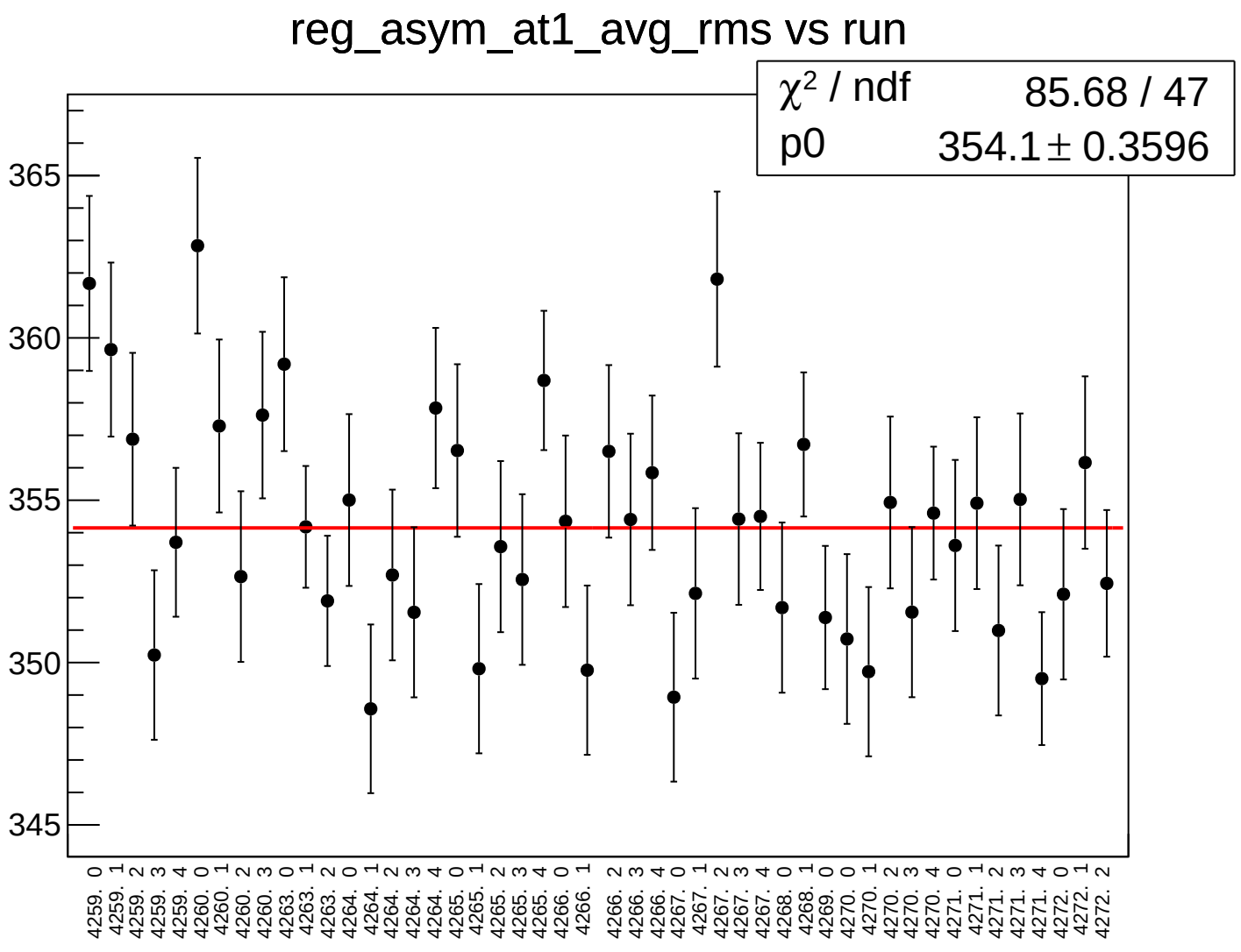

asym_atr_dd_correction_rms vs run
χ² / ndf 782 / 47
p0 811.6 ± 0.8243
940
920
900
880
860
840
820
800
780
760
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

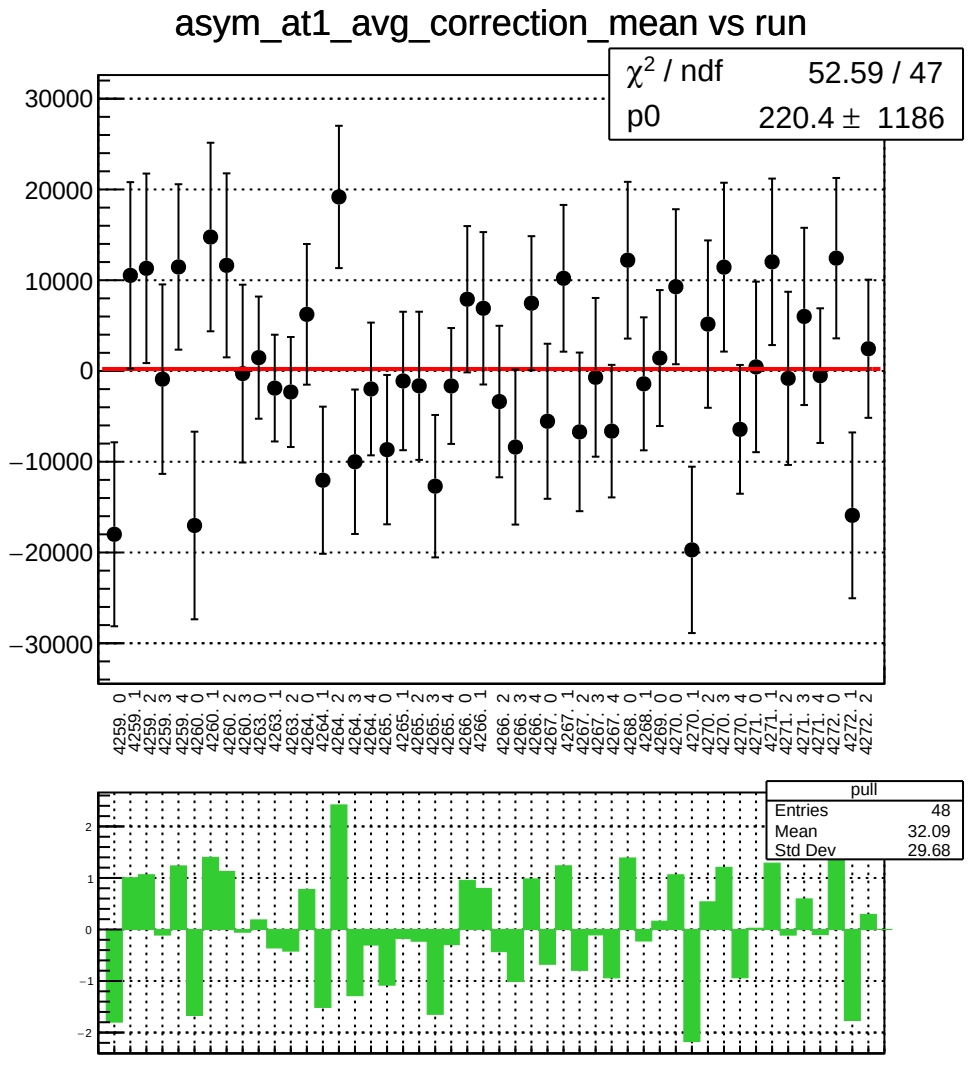

asym_atr_dd_mean vs run
χ² / ndf 38.74 / 47
p0 145.8 ± 1249
30000
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1808
Std Dev 1784
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean 0.001908
Std Dev 0.8984
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

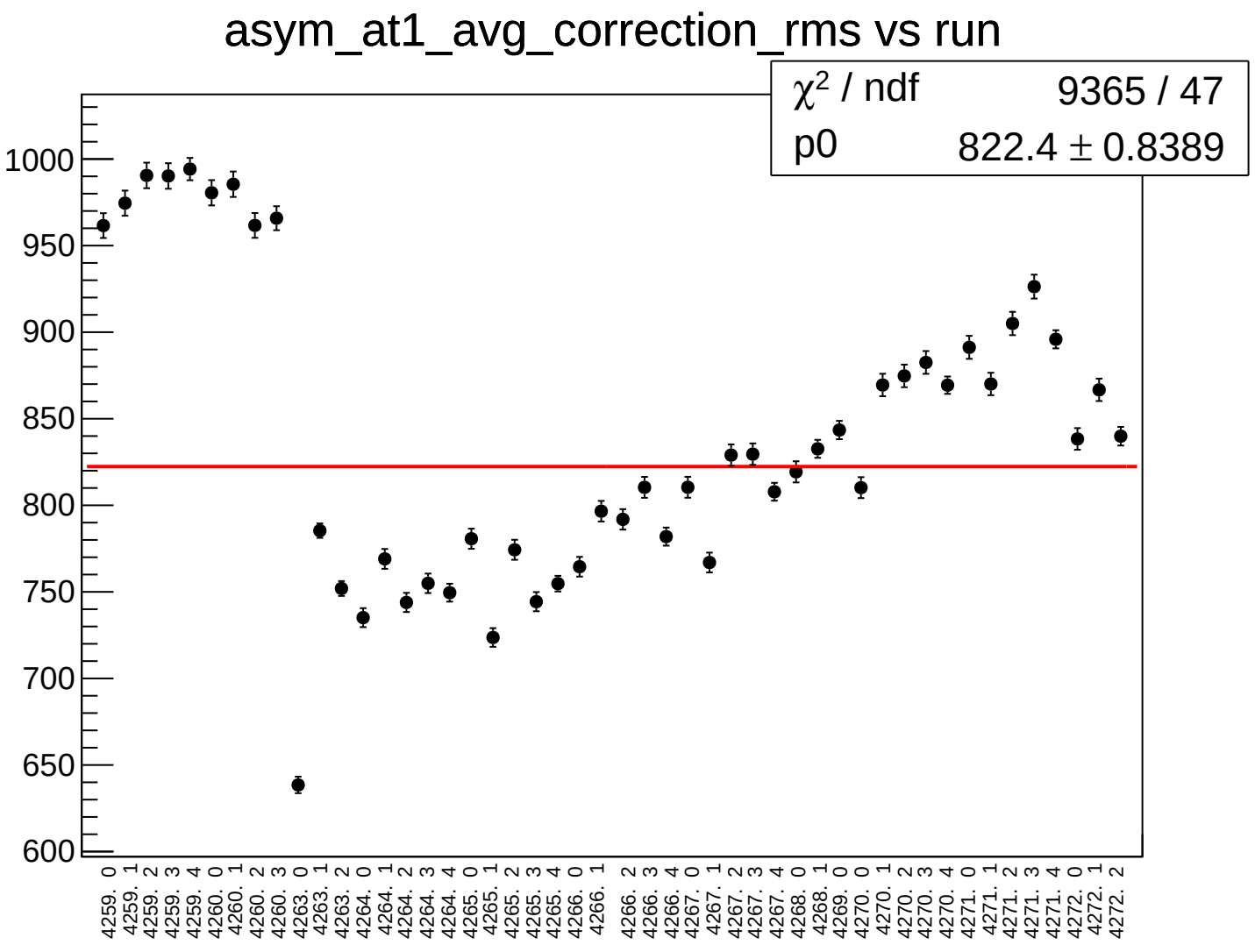

asym_atr_dd_rms vs run
χ² / ndf 598.4 / 47
p0 869.5 ± 0.883
1000
980
960
940
920
900
880
860
840
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

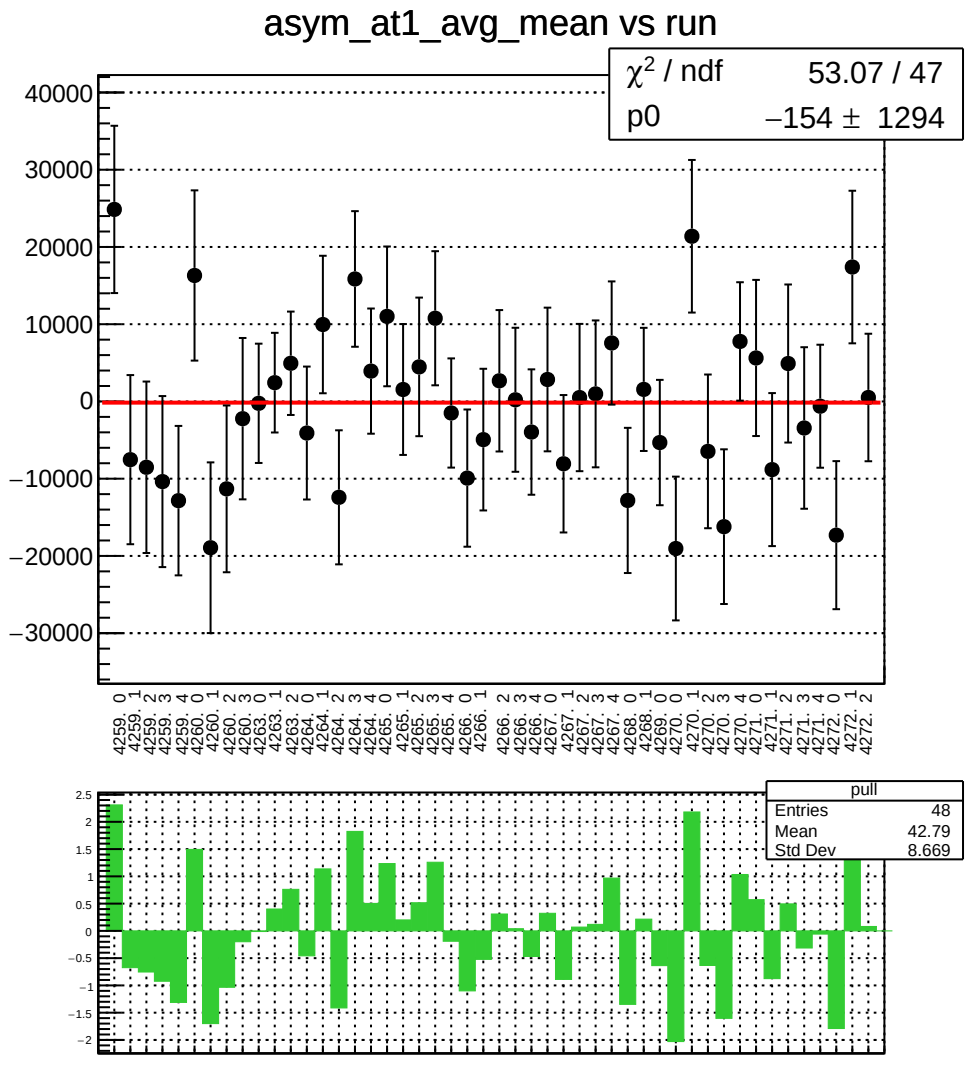

reg_asym_at1_avg_mean vs run
χ² / ndf 54.61 / 47
p0 −8.53 ± 508.5
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 191.2
Std Dev 187.9
2
1
0
−1
−2
−3

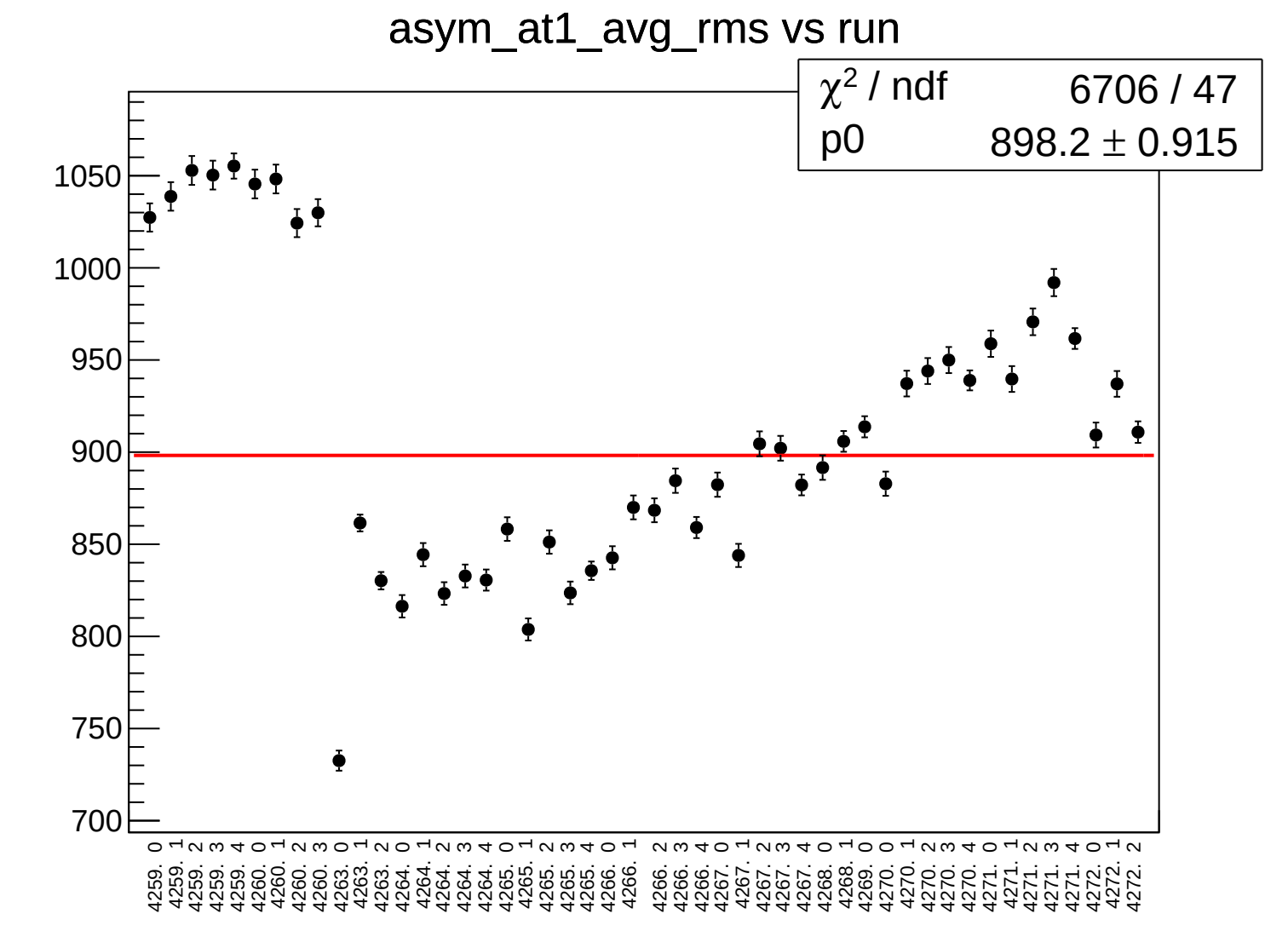

pull1D
Entries 48
Mean −0.002794
Std Dev 1.067
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

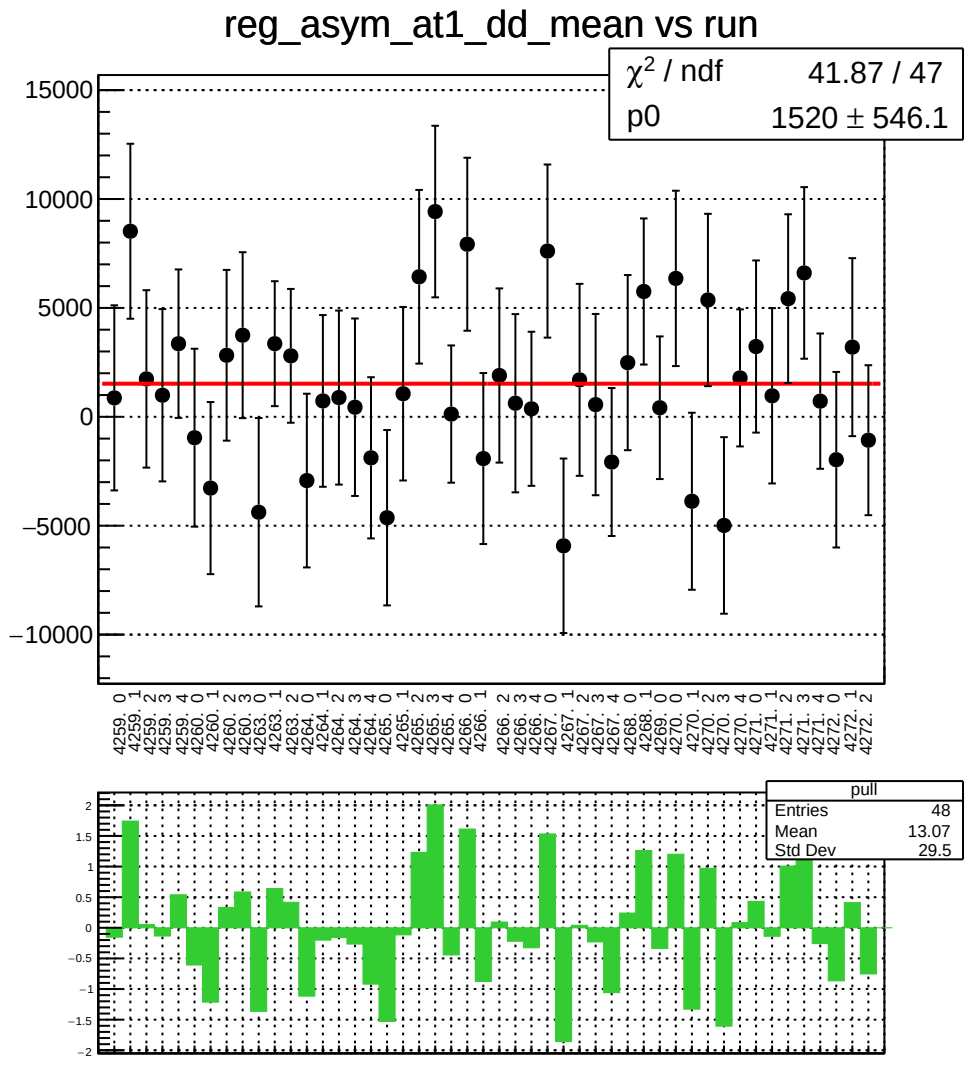

reg_asym_at1_avg_rms vs run
χ² / ndf 85.68 / 47
p0 354.1 ± 0.3596
365
360
355
350
345
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

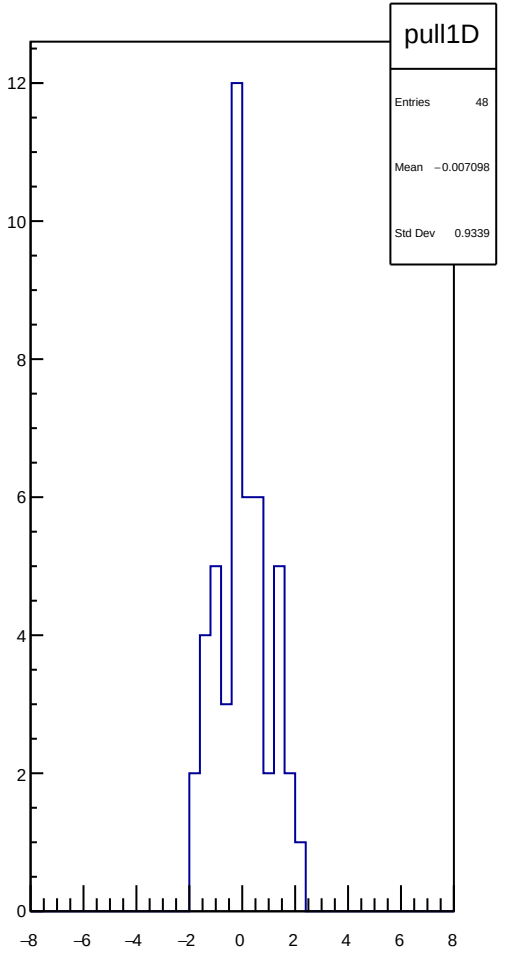

asym_at1_avg_correction_mean vs run
χ² / ndf 52.59 / 47
p0 220.4 ± 1186
30000
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 32.09
Std Dev 29.68
2
1
0
−1
−2
pull1D
Entries 48
Mean 0.01934
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

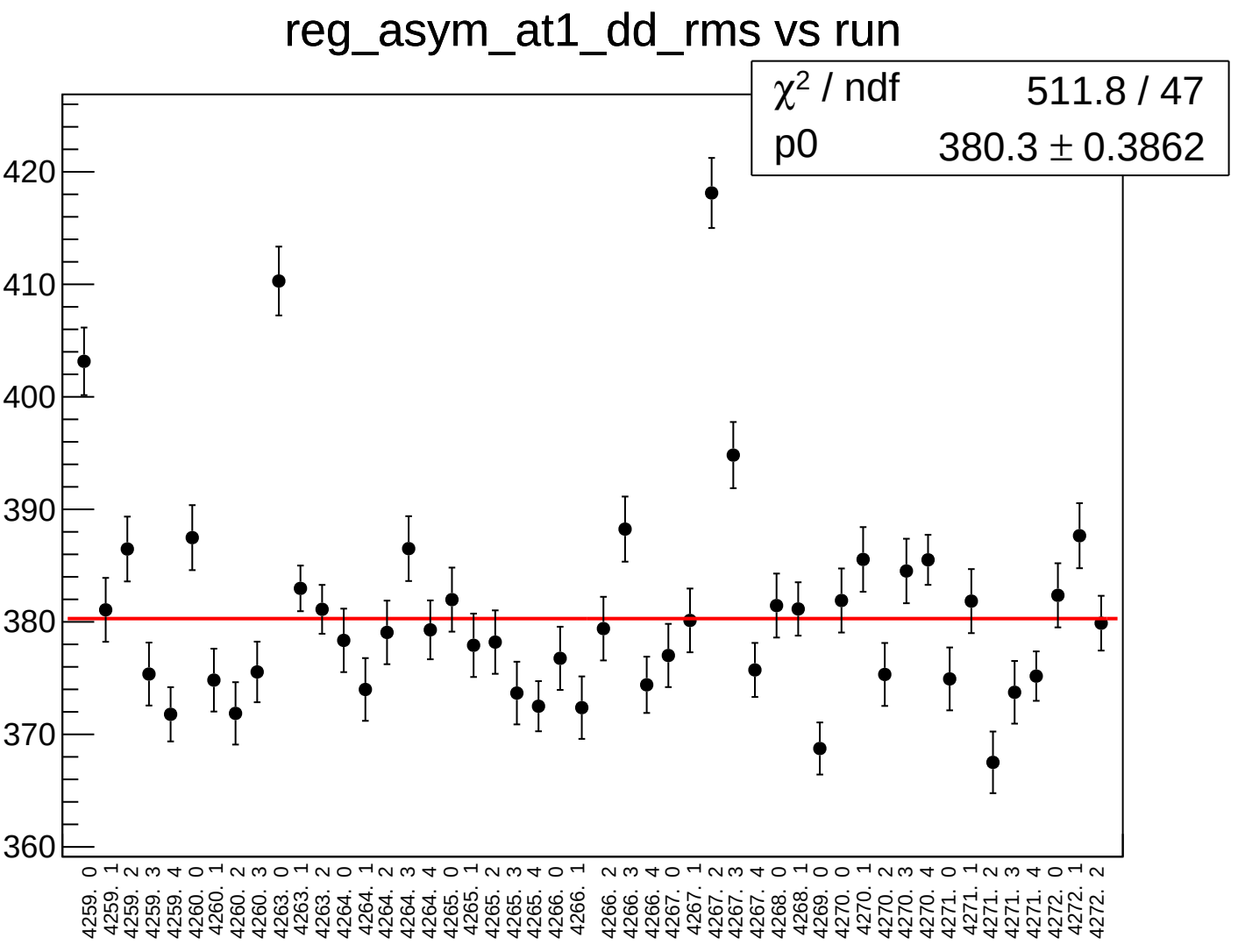

asym_at1_avg_correction_rms vs run
χ² / ndf 9365 / 47
p0 822.4 ± 0.8389
1000
950
900
850
800
750
700
650
600
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

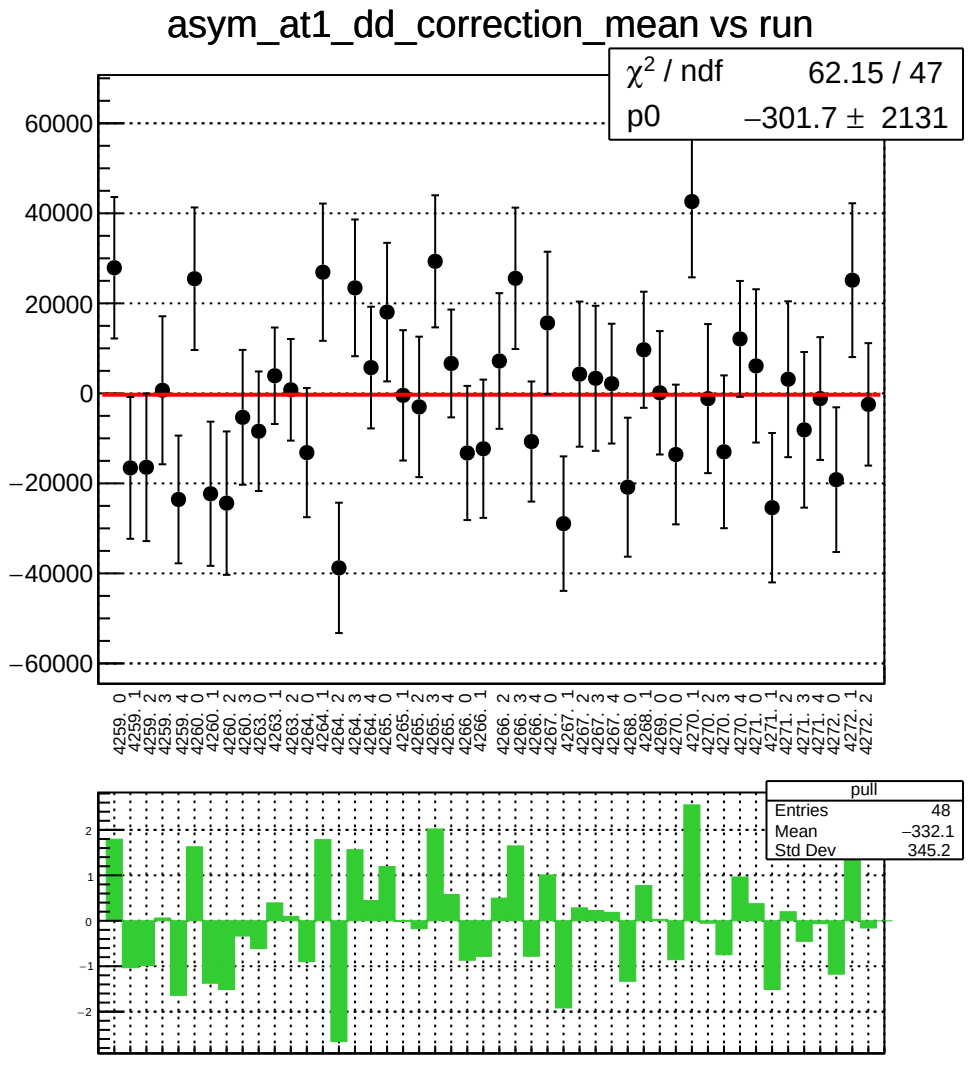

asym_at1_avg_mean vs run
χ² / ndf 53.07 / 47
p0 −154 ± 1294
40000
30000
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 42.79
Std Dev 8.669
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean −0.02321
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

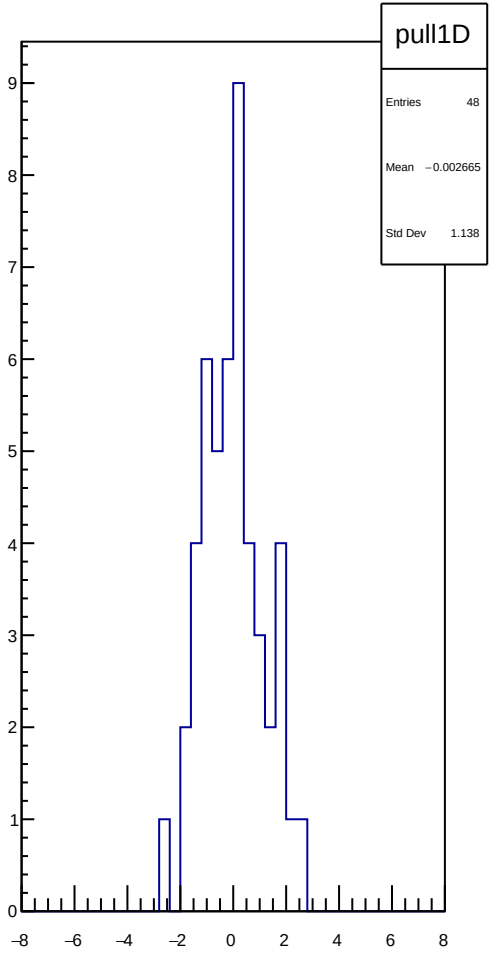

asym_at1_avg_rms vs run
χ² / ndf 6706 / 47
p0 898.2 ± 0.915
1050
1000
950
900
850
800
750
700
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

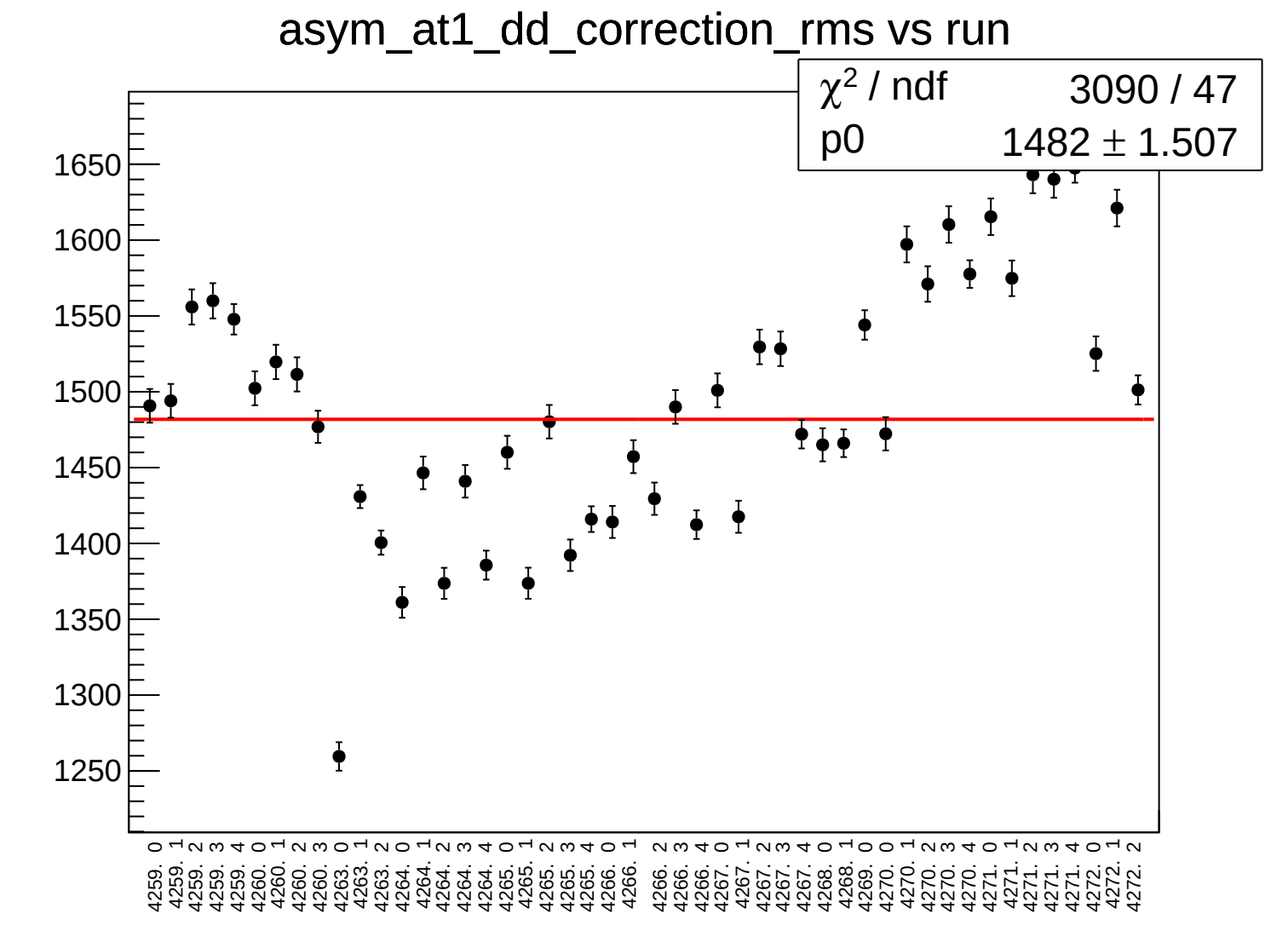

reg_asym_at1_dd_mean vs run
χ² / ndf 41.87 / 47
p0 1520 ± 546.1
15000
10000
5000
0
−5000
−10000
pull
Entries 48
Mean 13.07
Std Dev 29.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

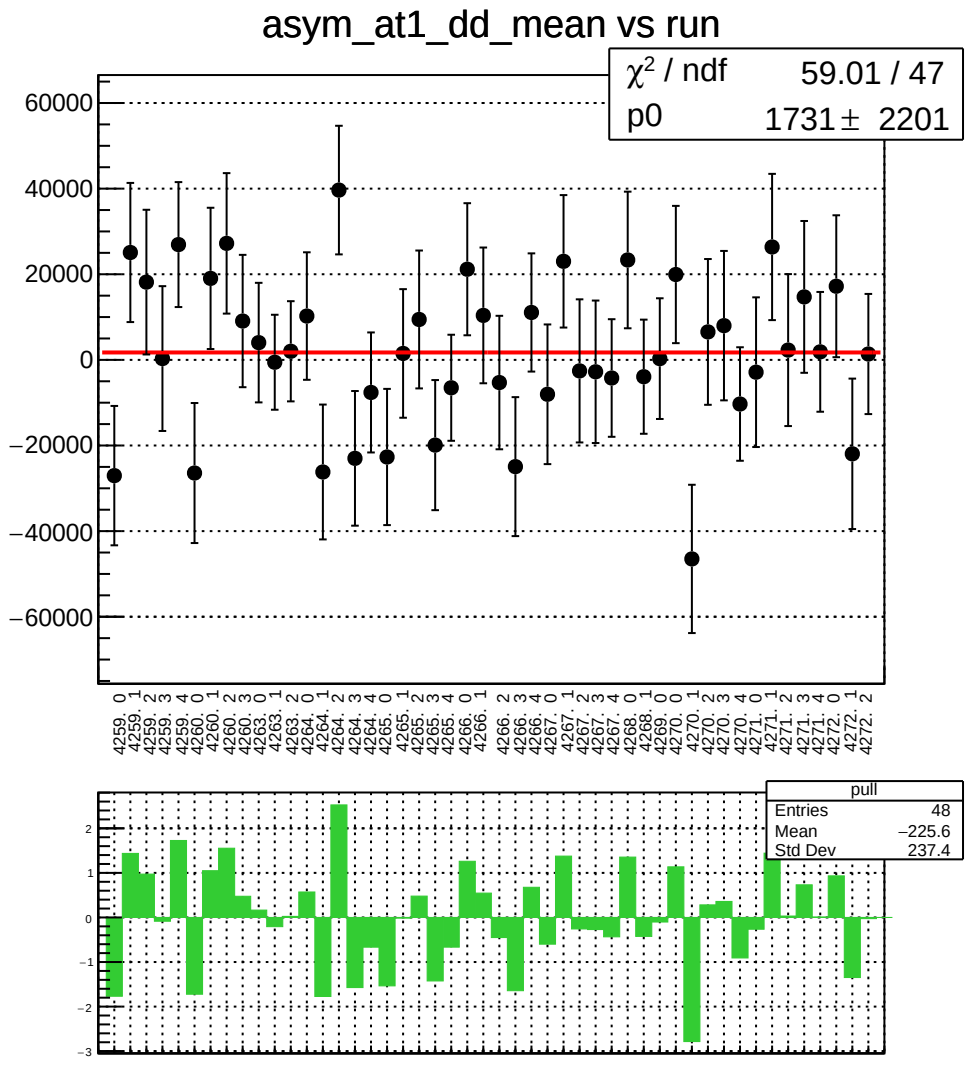

pull1D
Entries 48
Mean −0.007098
Std Dev 0.9339
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

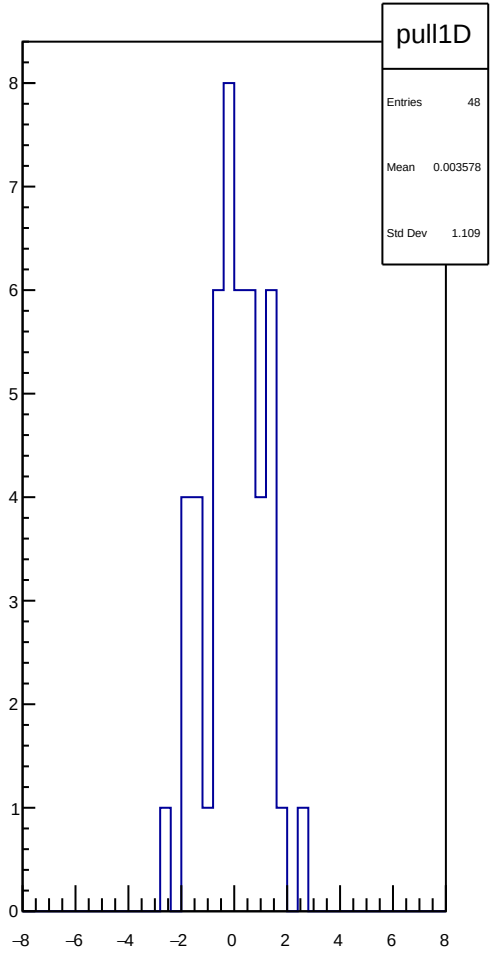

reg_asym_at1_dd_rms vs run
χ² / ndf 511.8 / 47
p0 380.3 ± 0.3862
420
410
400
390
380
370
360
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

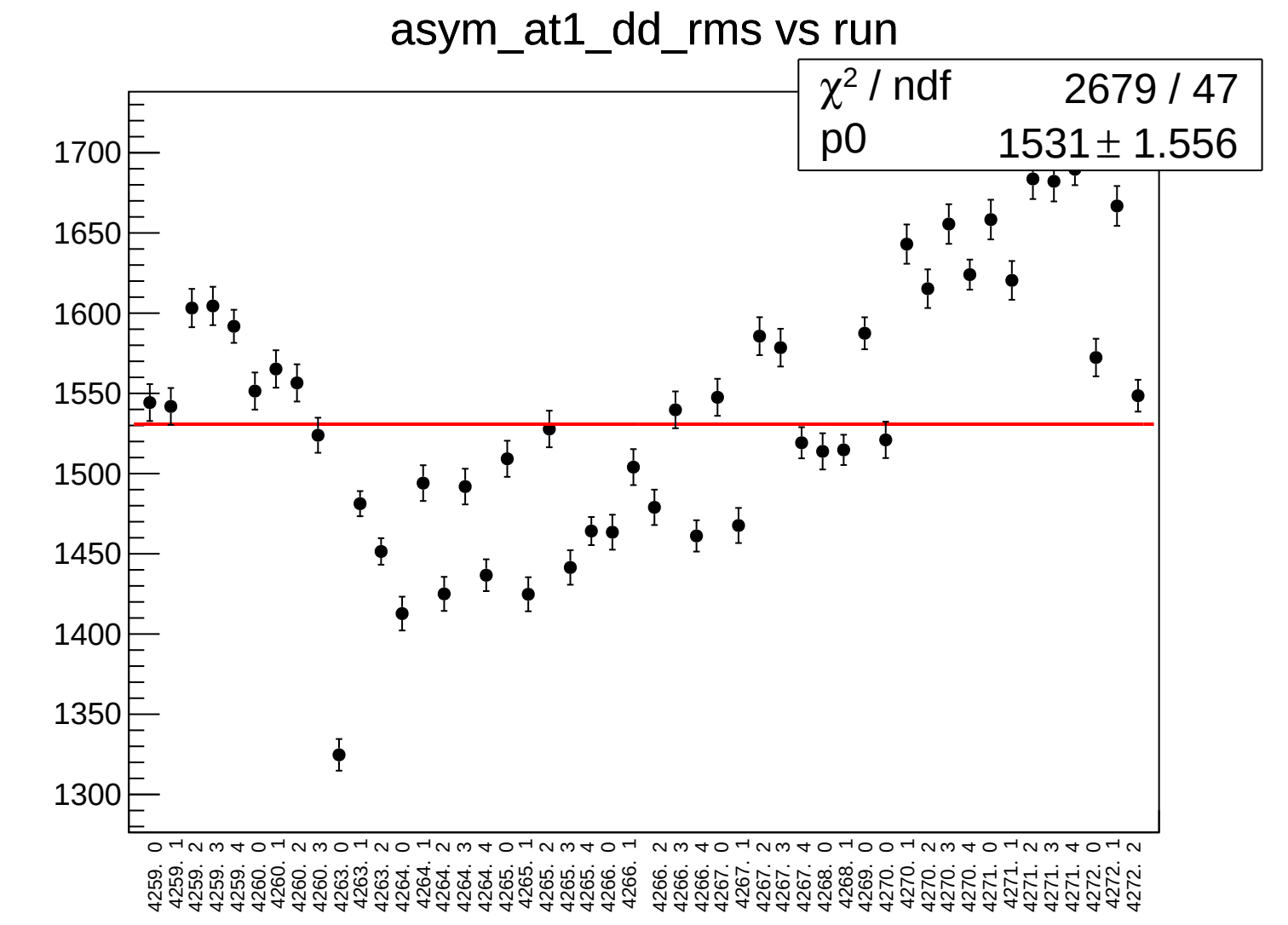

asym_at1_dd_correction_mean vs run
χ² / ndf 62.15 / 47
p0 −301.7 ± 2131
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −332.1
Std Dev 345.2
2
1
0
−1
−2

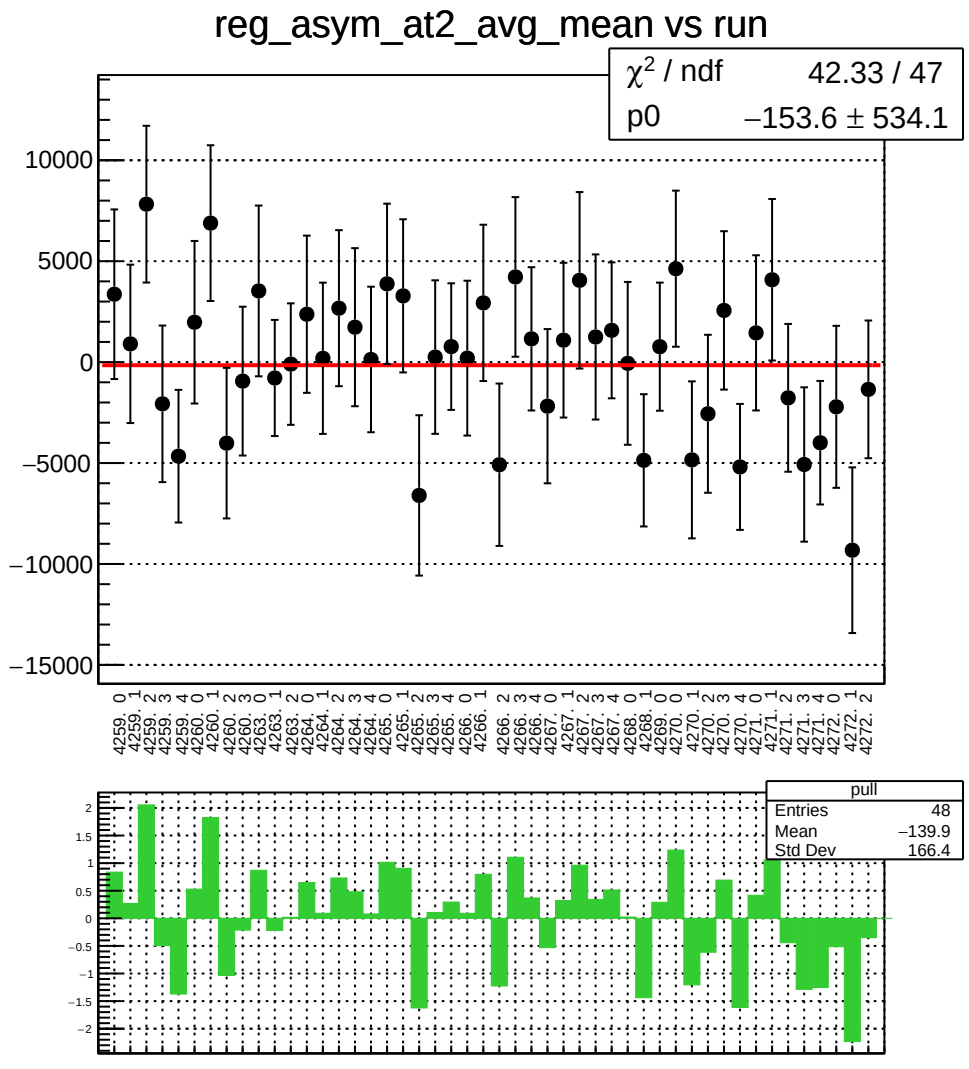

pull1D
Entries 48
Mean −0.002665
Std Dev 1.138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

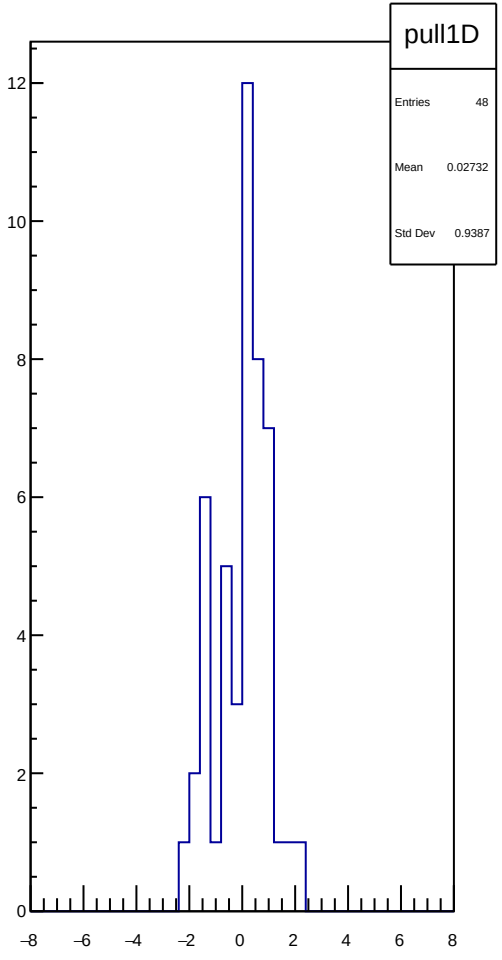

asym_at1_dd_correction_rms vs run
χ² / ndf 3090 / 47
p0 1482 ± 1.507
1650
1600
1550
1500
1450
1400
1350
1300
1250
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

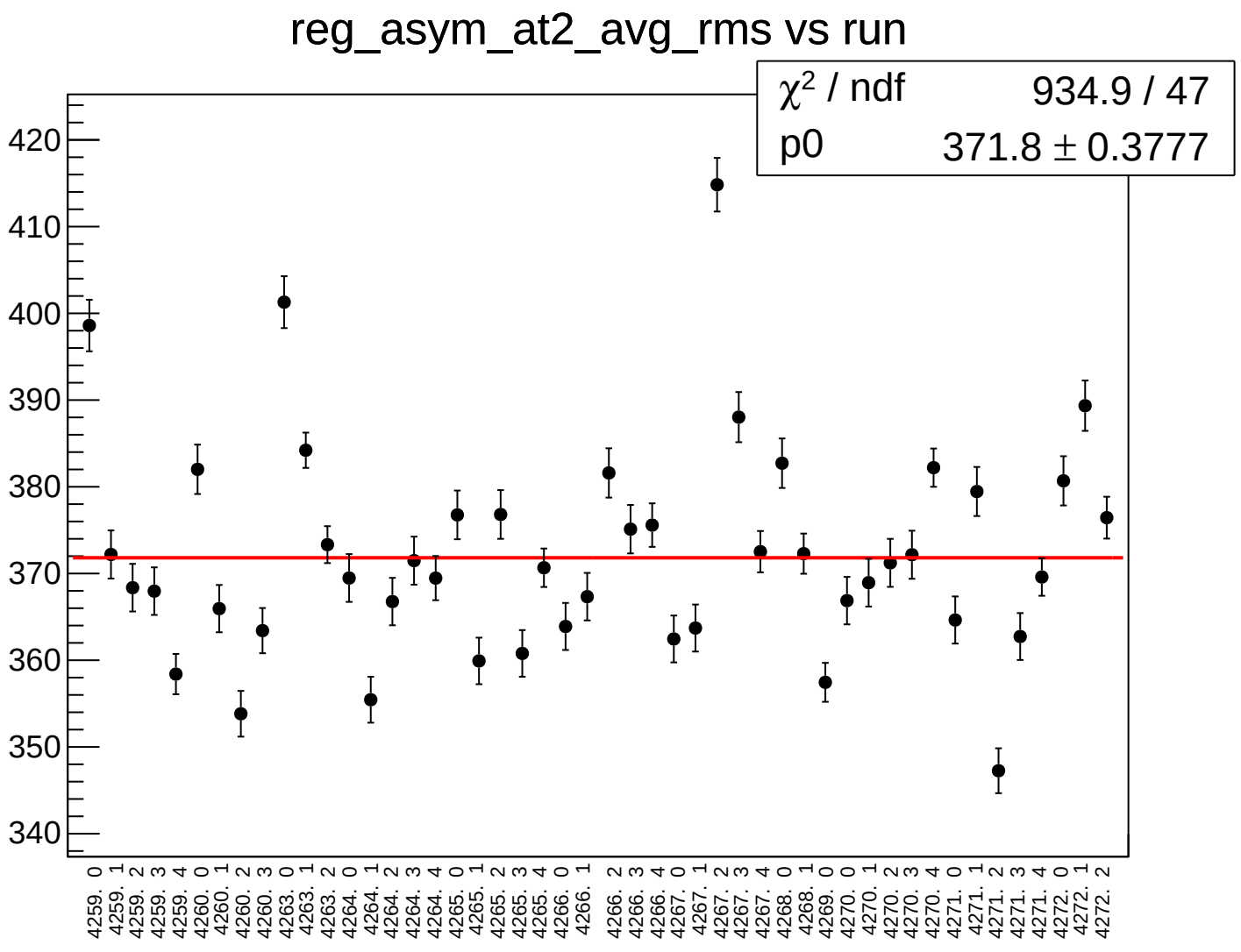

asym_at1_dd_mean vs run
χ² / ndf 59.01 / 47
p0 1731 ± 2201
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −225.6
Std Dev 237.4
2
1
0
−1
−2
−3

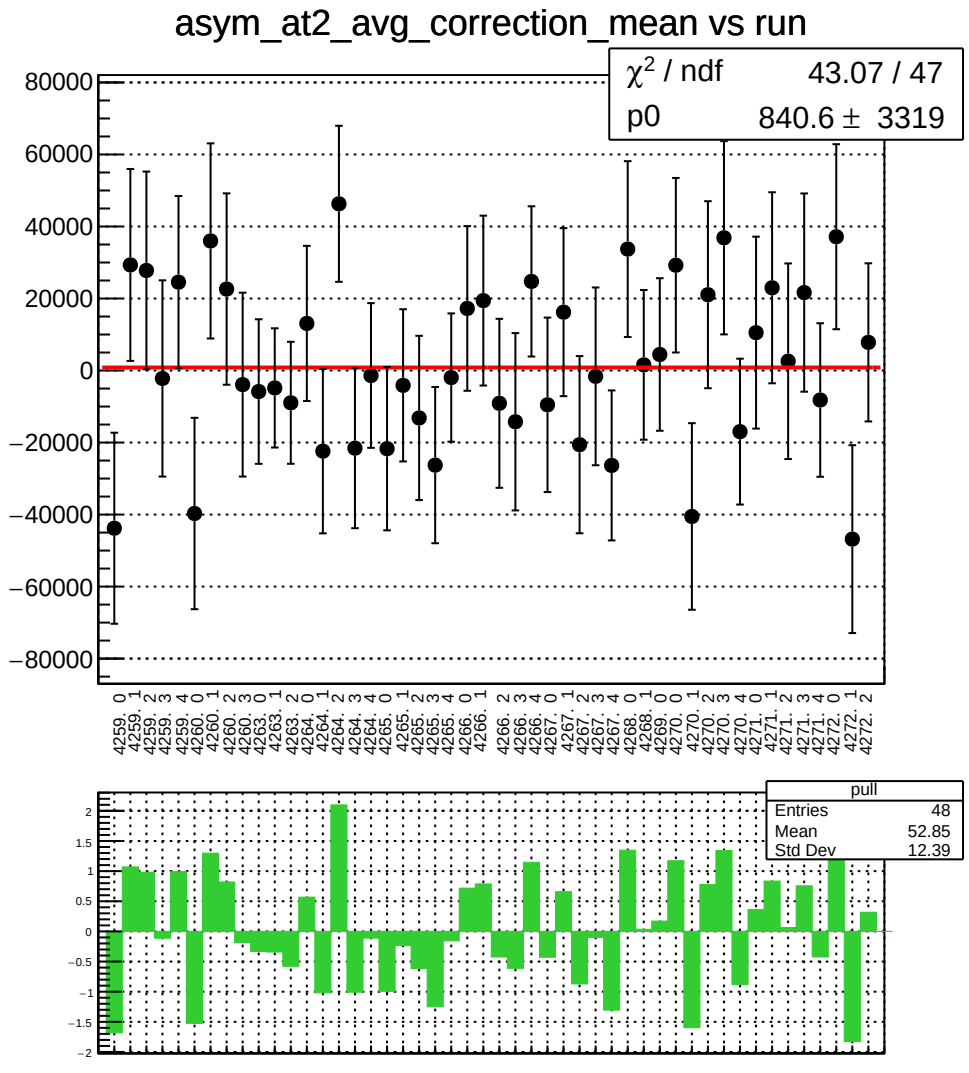

pull1D
Entries 48
Mean 0.003578
Std Dev 1.109
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

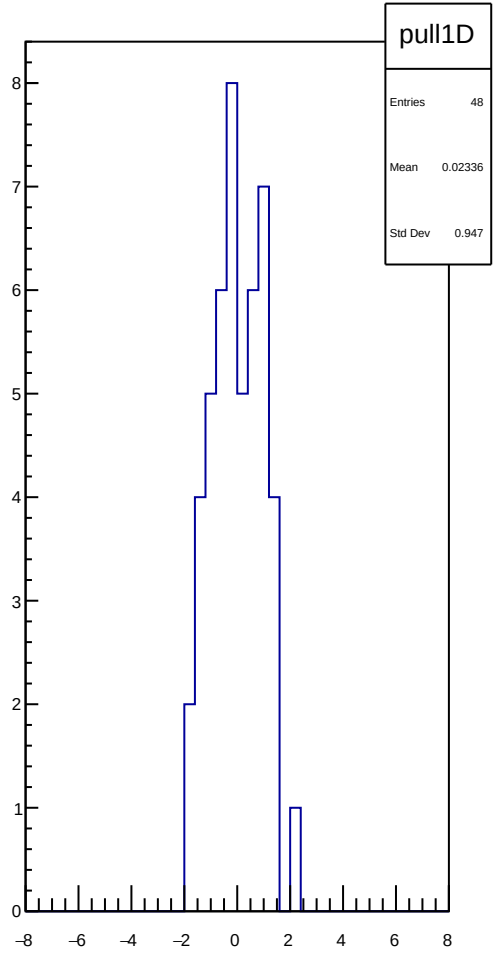

asym_at1_dd_rms vs run
χ² / ndf 2679 / 47
p0 1531 ± 1.556
1700
1650
1600
1550
1500
1450
1400
1350
1300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

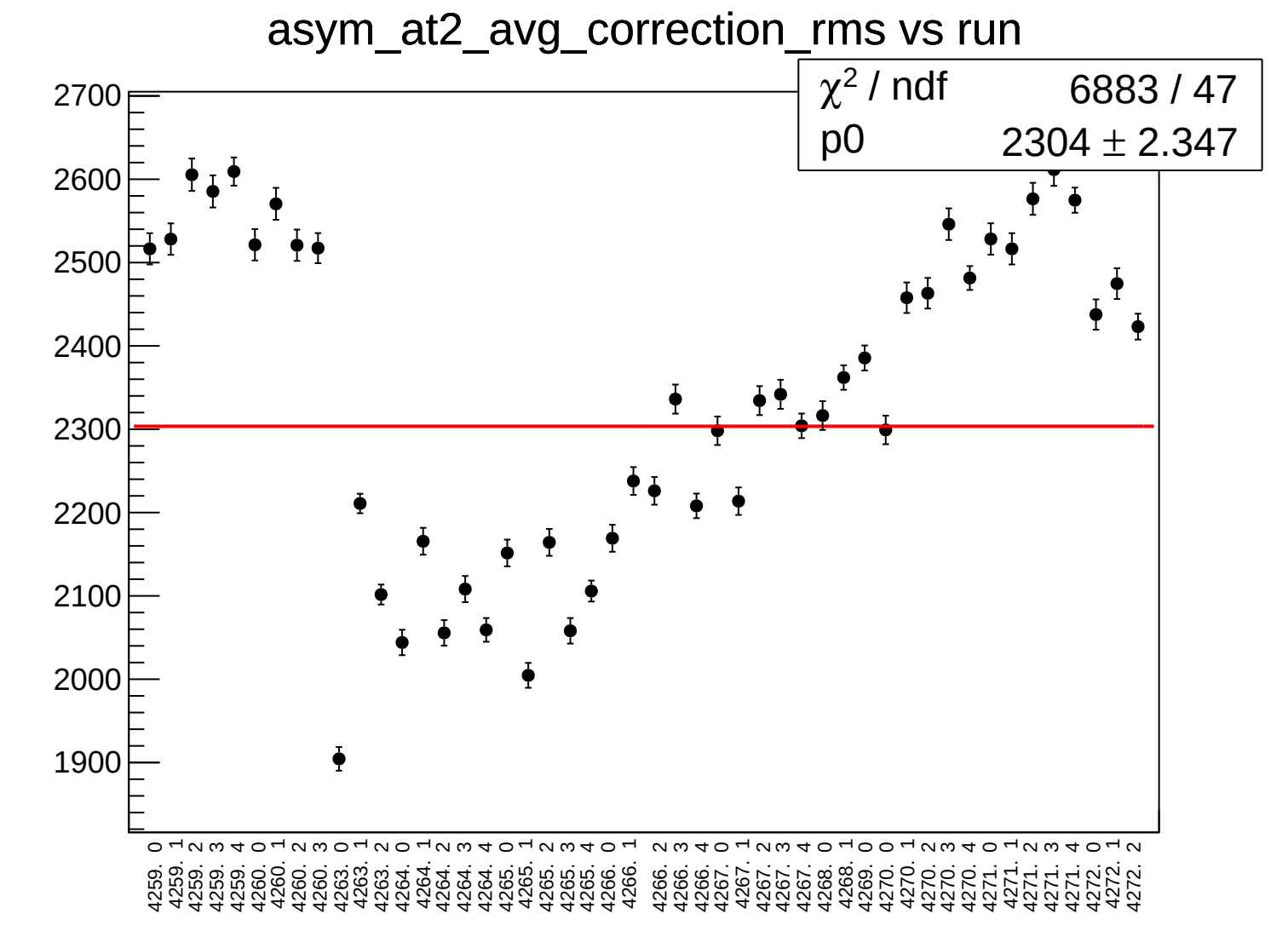

reg_asym_at2_avg_mean vs run
χ^2 / ndf 42.33 / 47
p0 −153.6 ± 534.1
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −139.9
Std Dev 166.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

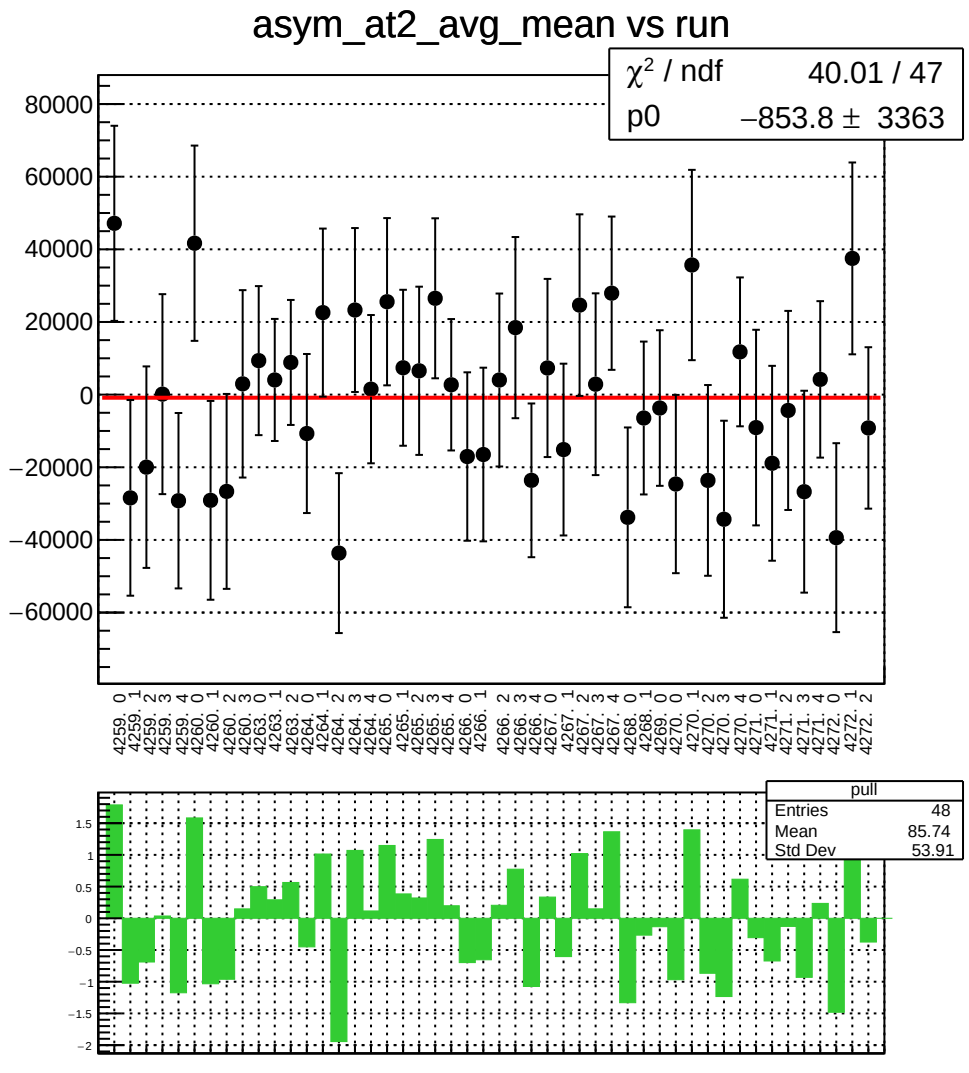

pull1D
Entries 48
Mean 0.02732
Std Dev 0.9387
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

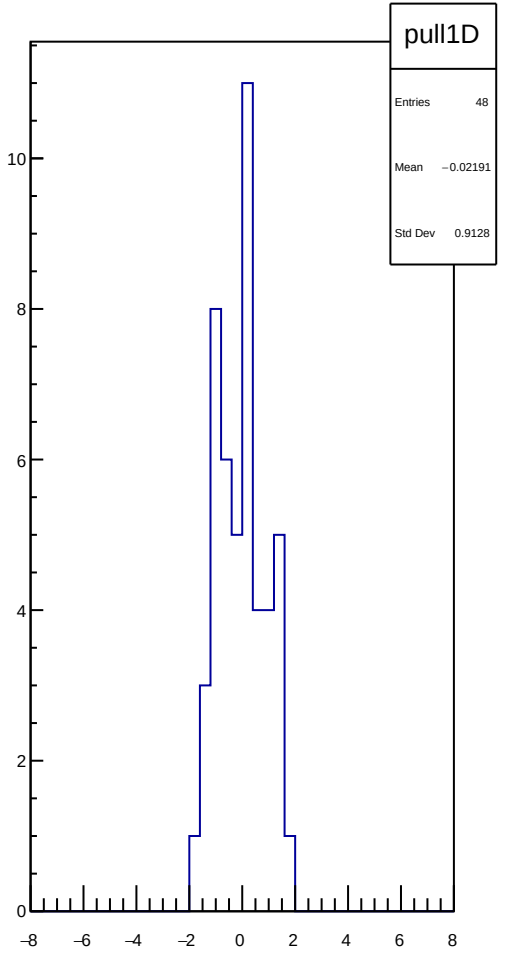

reg_asym_at2_avg_rms vs run
χ² / ndf 934.9 / 47
p0 371.8 ± 0.3777
420
410
400
390
380
370
360
350
340
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

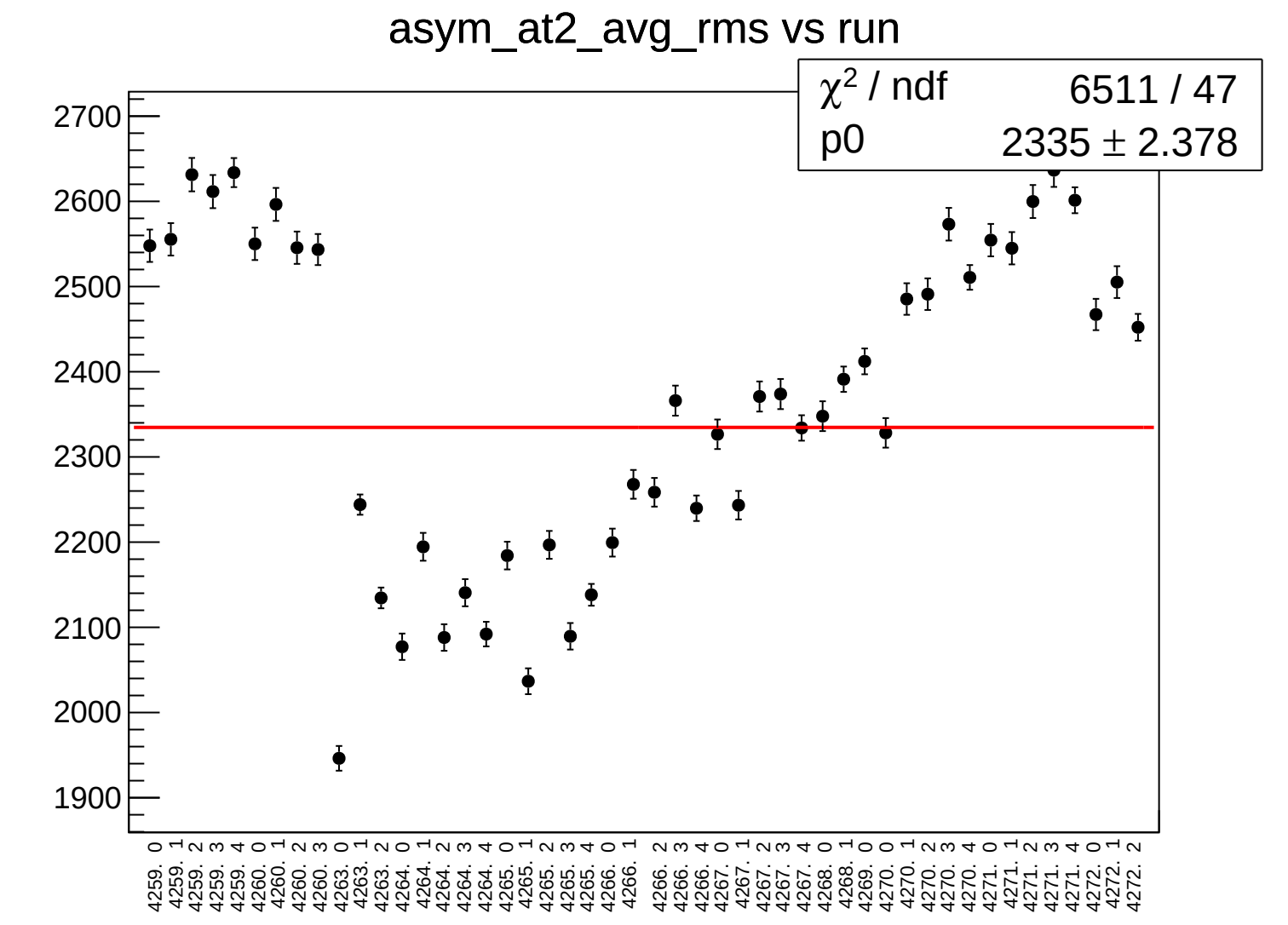

asym_at2_avg_correction_mean vs run
χ² / ndf 43.07 / 47
p0 840.6 ± 3319
pull
Entries 48
Mean 52.85
Std Dev 12.39

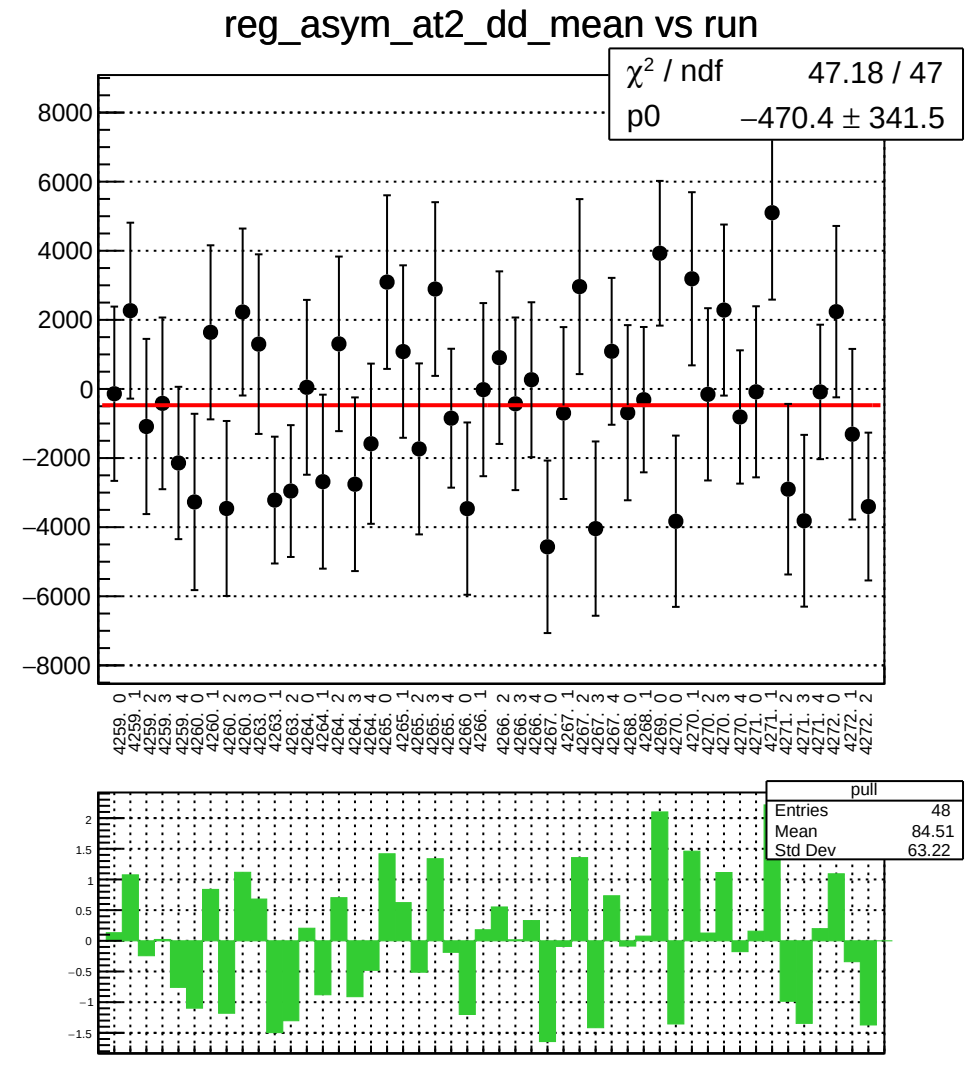

pull1D
Entries 48
Mean 0.02336
Std Dev 0.947

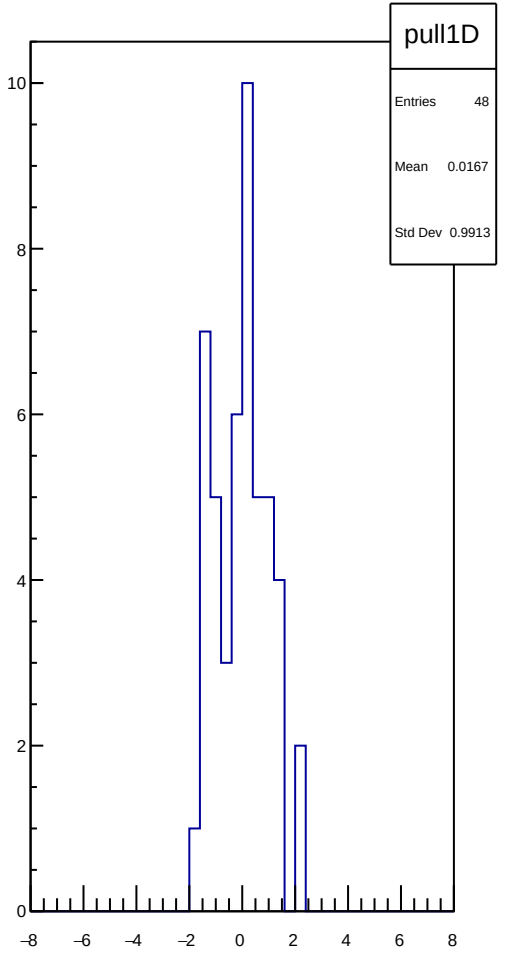

asym_at2_avg_correction_rms vs run
χ² / ndf 6883 / 47
p0 2304 ± 2.347
2700
2600
2500
2400
2300
2200
2100
2000
1900
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

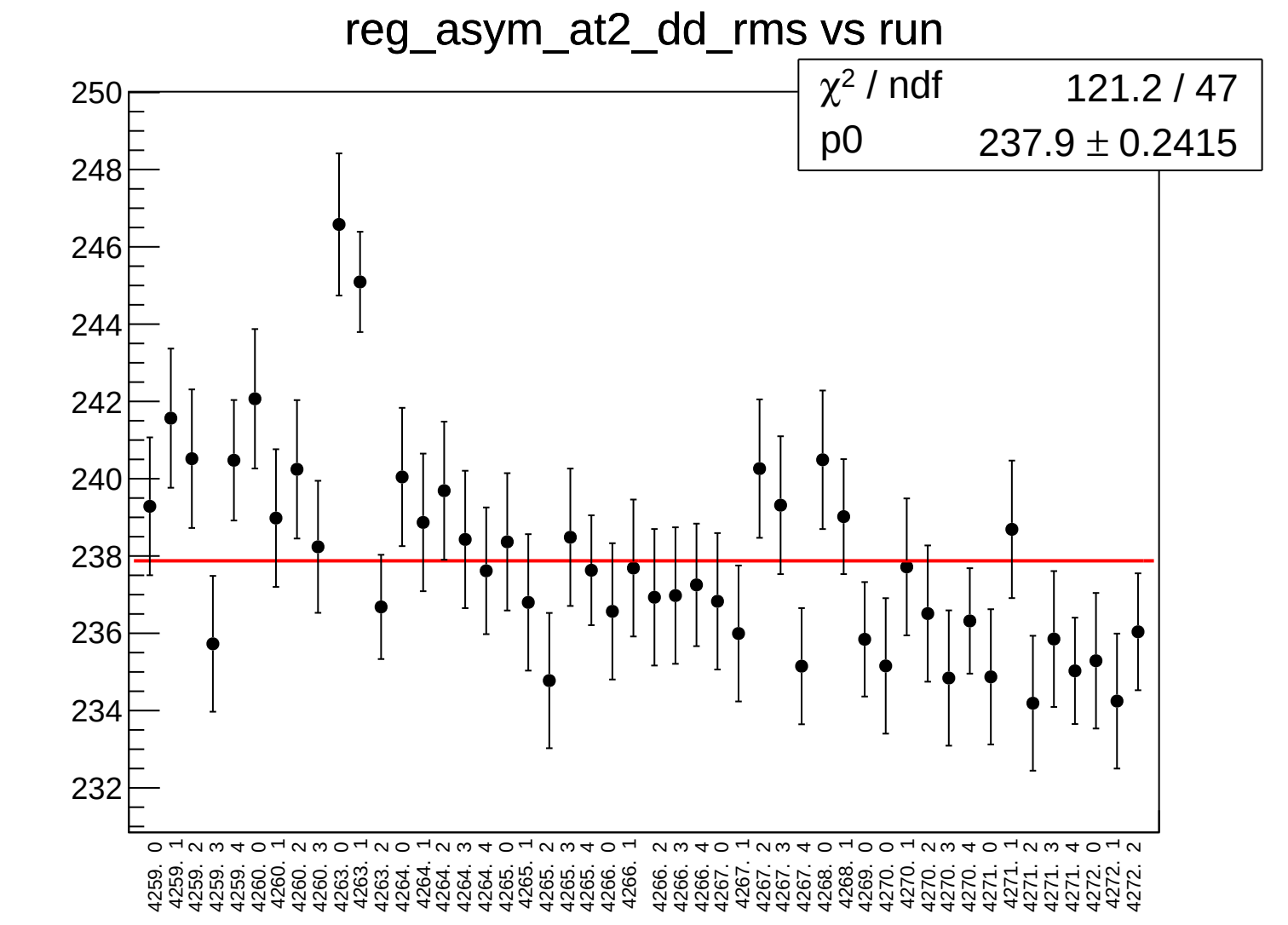

asym_at2_avg_mean vs run
χ² / ndf 40.01 / 47
p0 −853.8 ± 3363
80000
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 85.74
Std Dev 53.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2

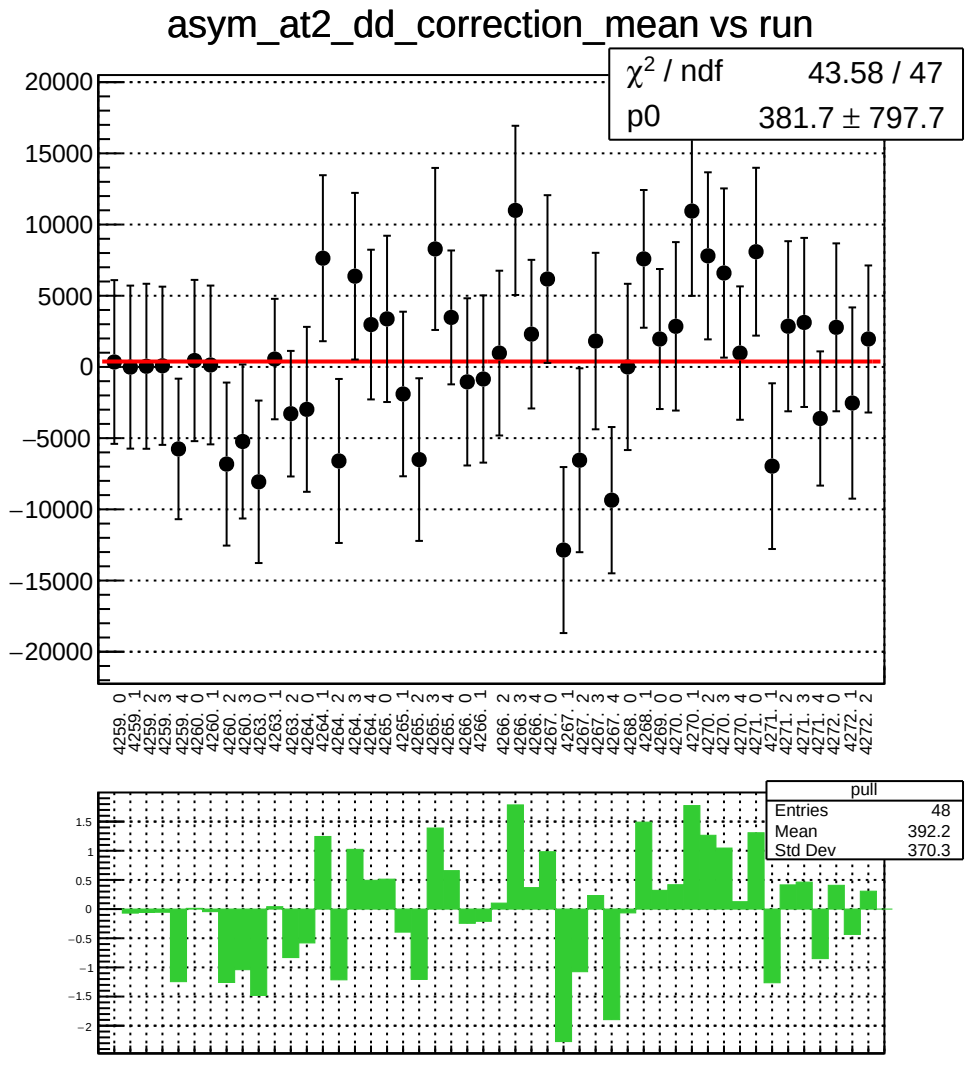

pull1D
Entries 48
Mean −0.02191
Std Dev 0.9128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

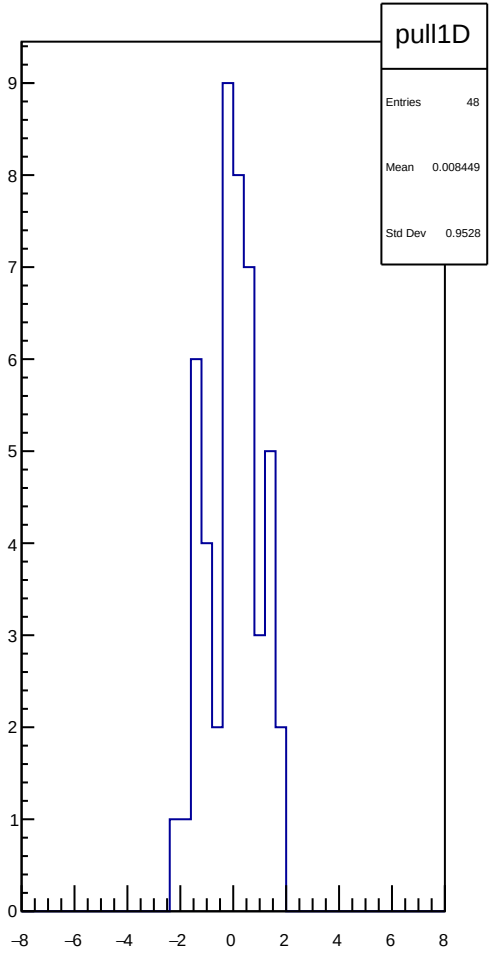

asym_at2_avg_rms vs run
χ^2 / ndf 6511 / 47
p0 2335 ± 2.378
2700
2600
2500
2400
2300
2200
2100
2000
1900
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

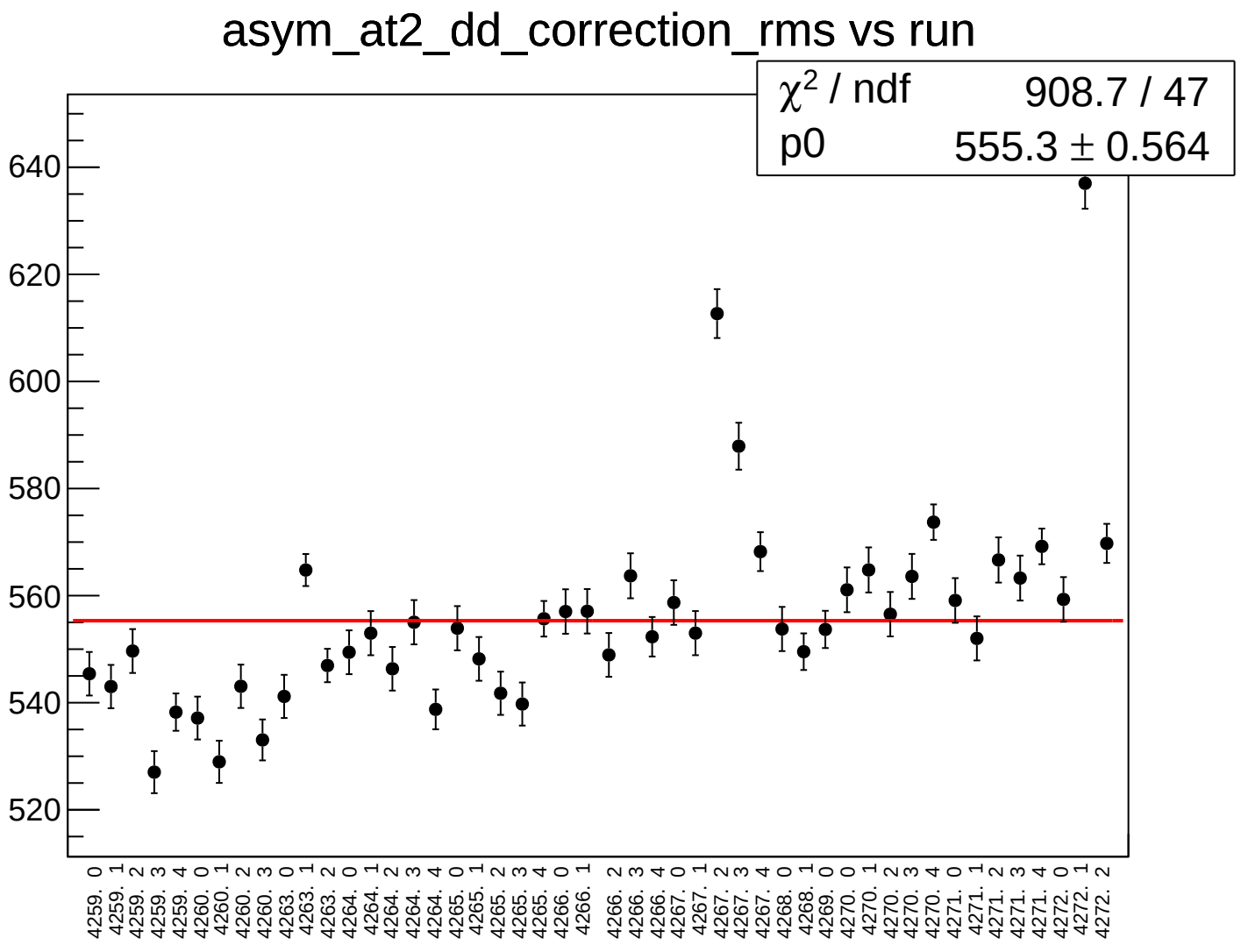

reg_asym_at2_dd_mean vs run
χ² / ndf 47.18 / 47
p0 −470.4 ± 341.5
pull
Entries 48
Mean 84.51
Std Dev 63.22

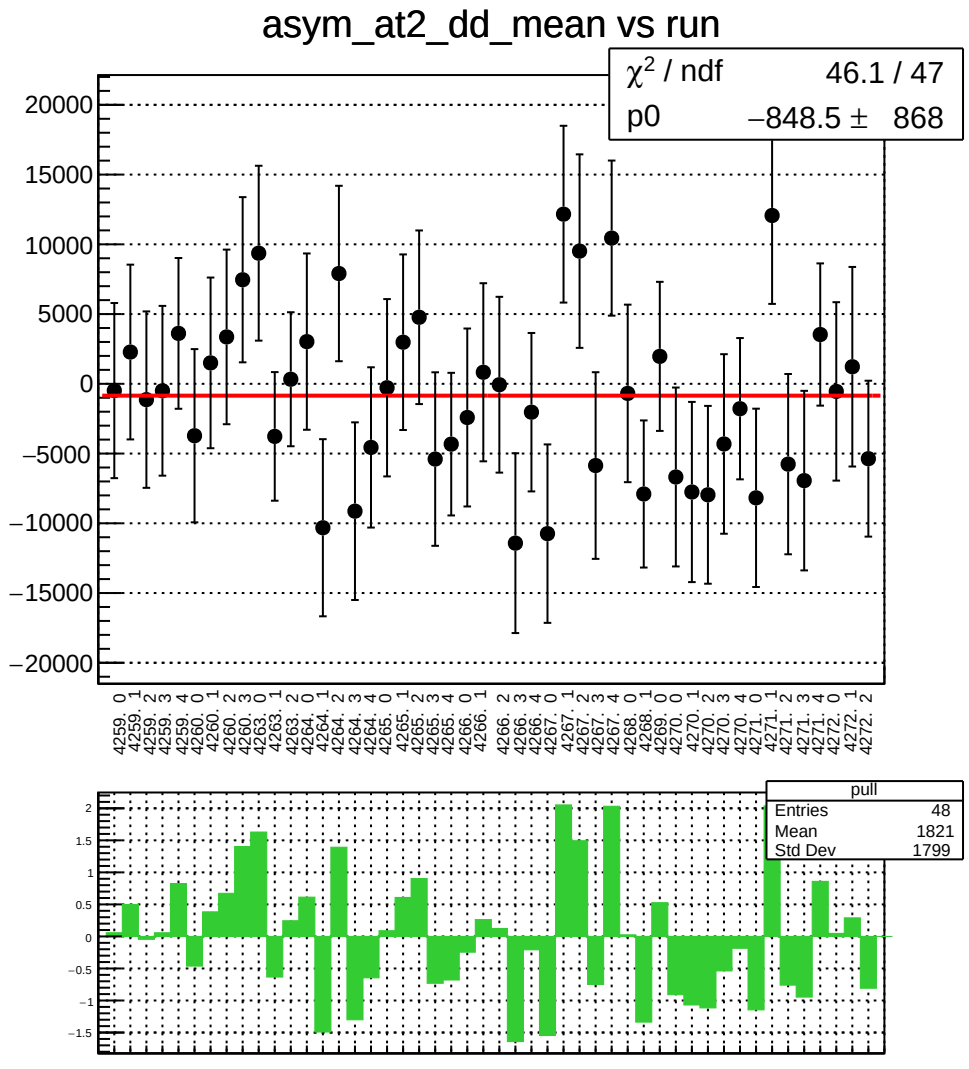

pull1D
Entries 48
Mean 0.0167
Std Dev 0.9913

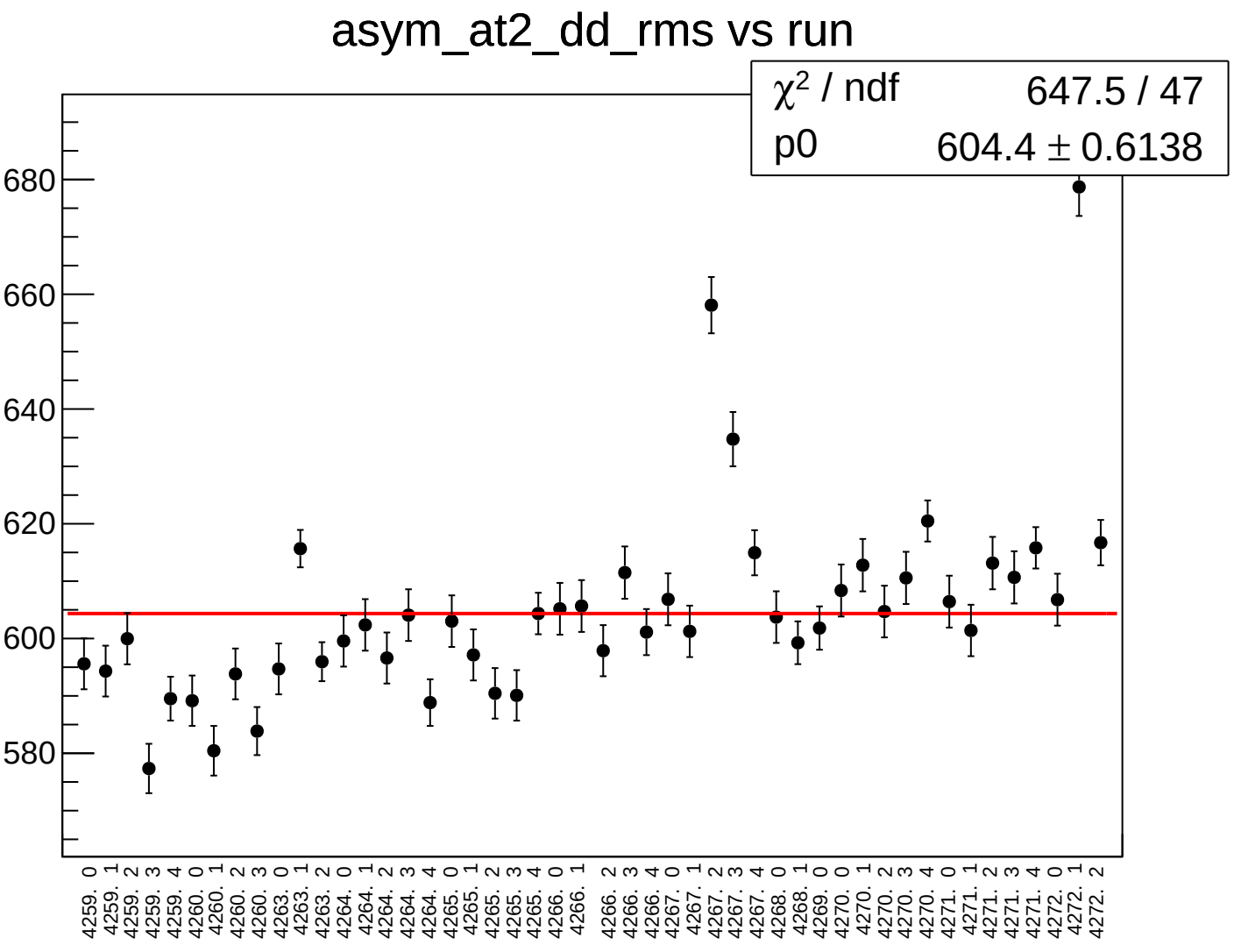

reg_asym_at2_dd_rms vs run
χ² / ndf 121.2 / 47
p0 237.9 ± 0.2415
250
248
246
244
242
240
238
236
234
232
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

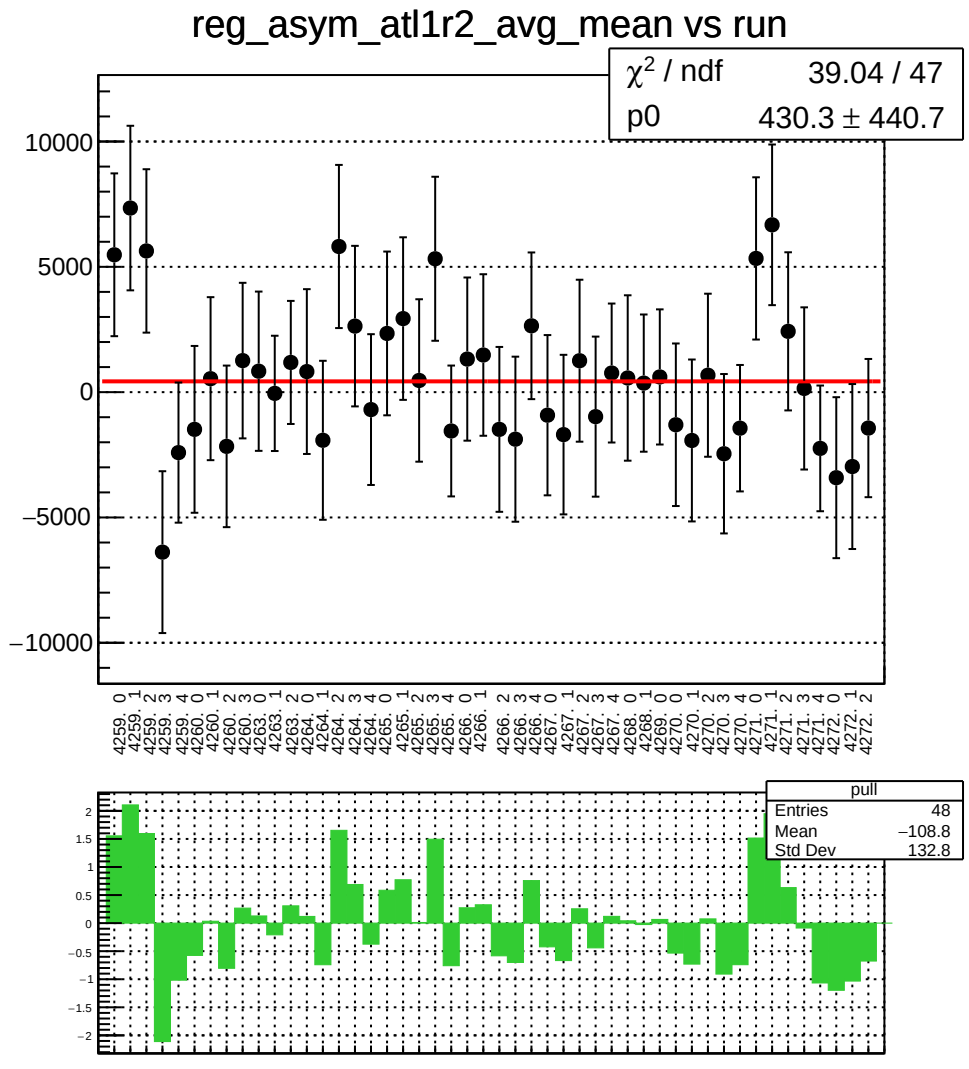

asym_at2_dd_correction_mean vs run
χ² / ndf 43.58 / 47
p0 381.7 ± 797.7
pull
Entries 48
Mean 392.2
Std Dev 370.3

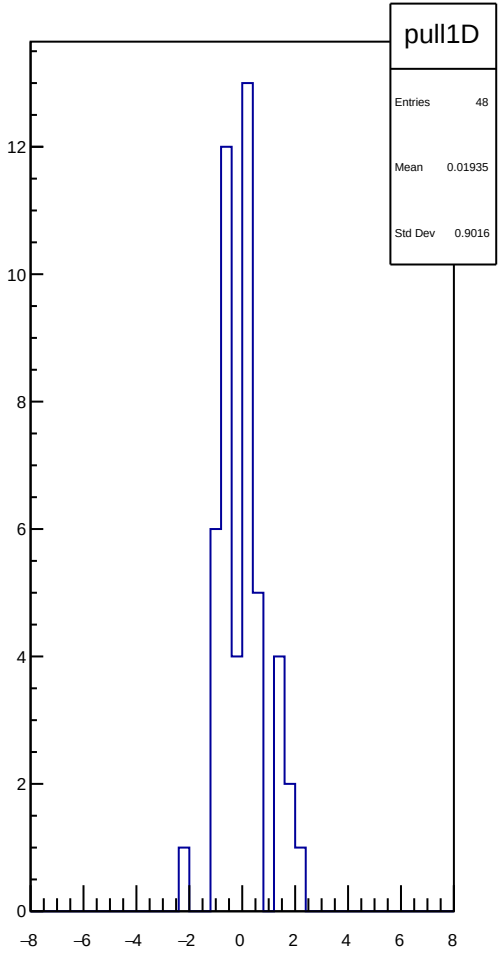

pull1D
Entries 48
Mean 0.008449
Std Dev 0.9528

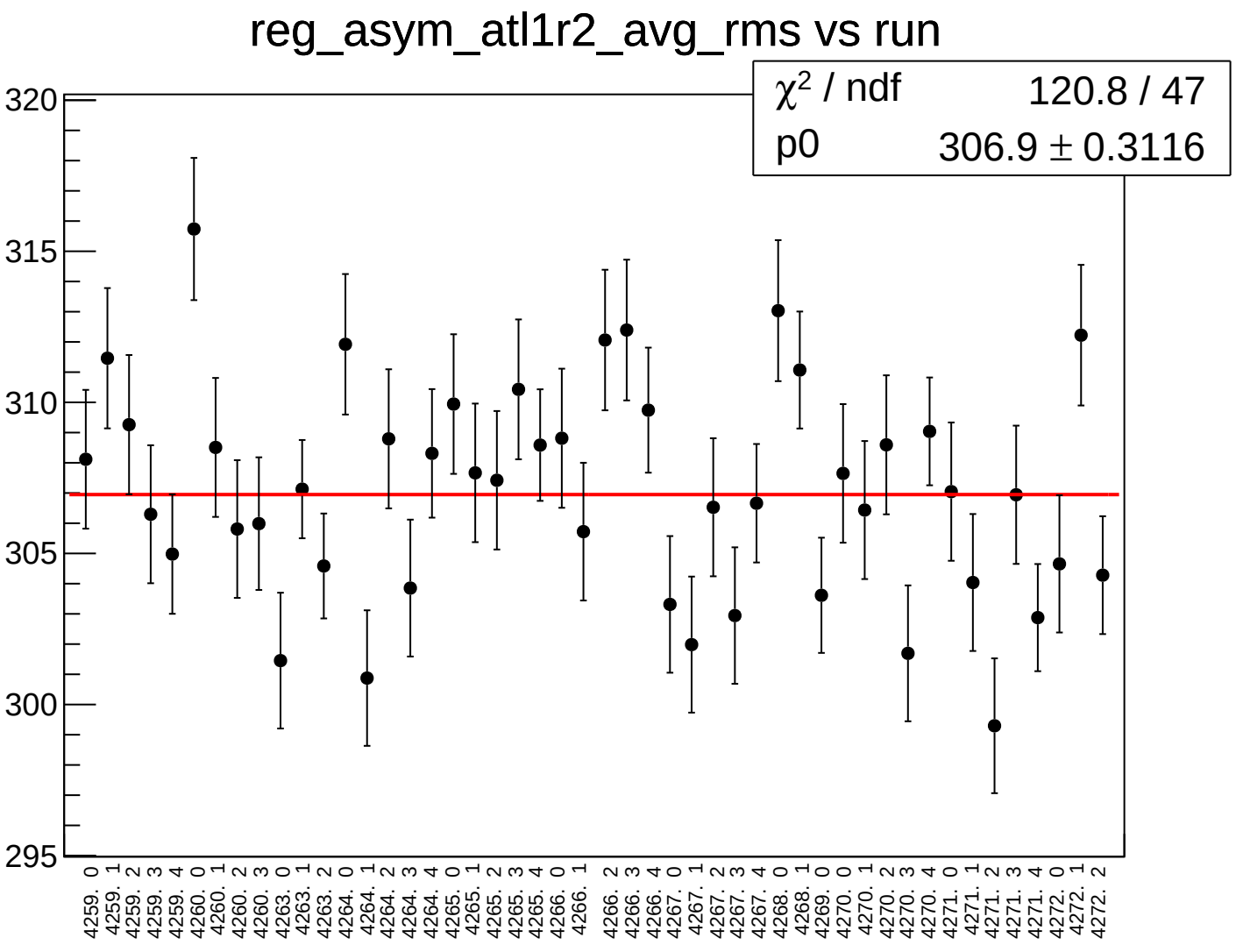

asym_at2_dd_correction_rms vs run
χ² / ndf 908.7 / 47
p0 555.3 ± 0.564
640
620
600
580
560
540
520
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

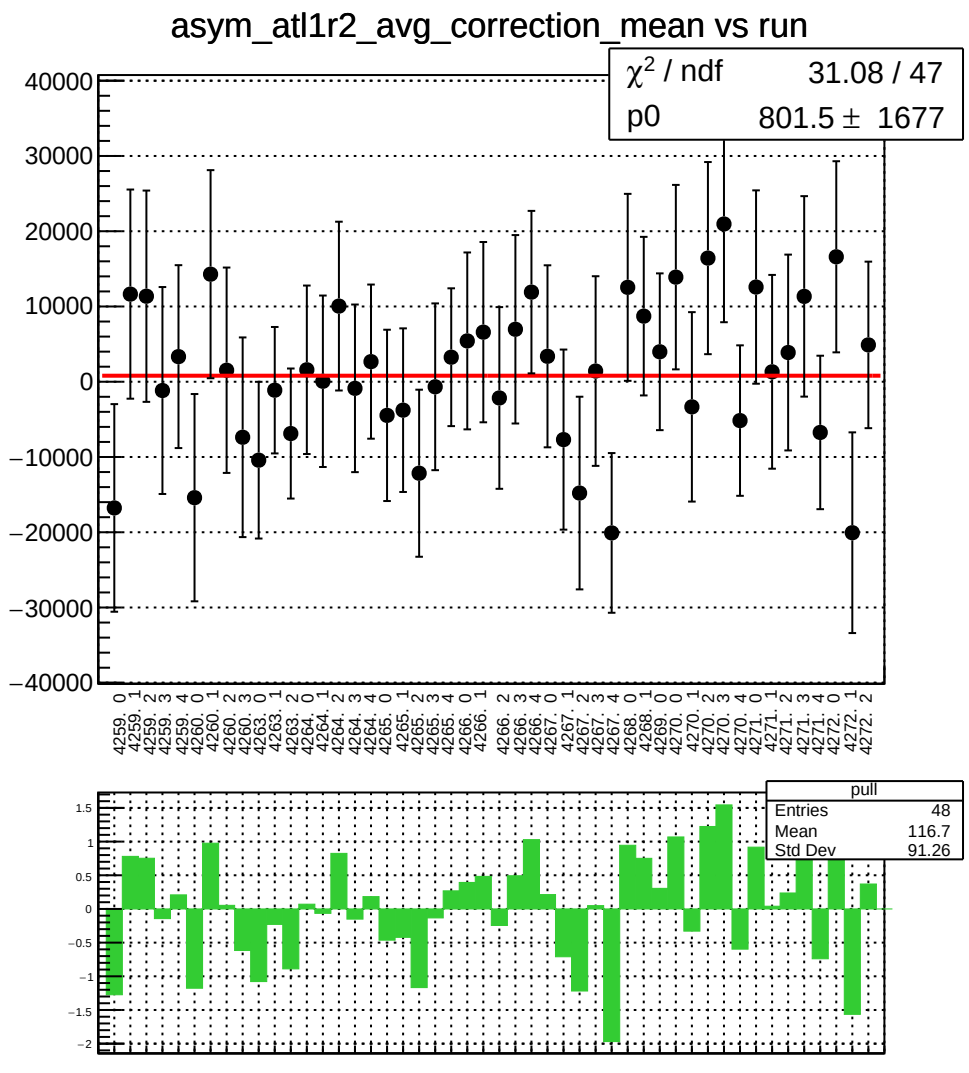

asym_at2_dd_mean vs run
χ^2 / ndf 46.1 / 47
p0 −848.5 ± 868
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1821
Std Dev 1799
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean −0.001355
Std Dev 0.9801
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

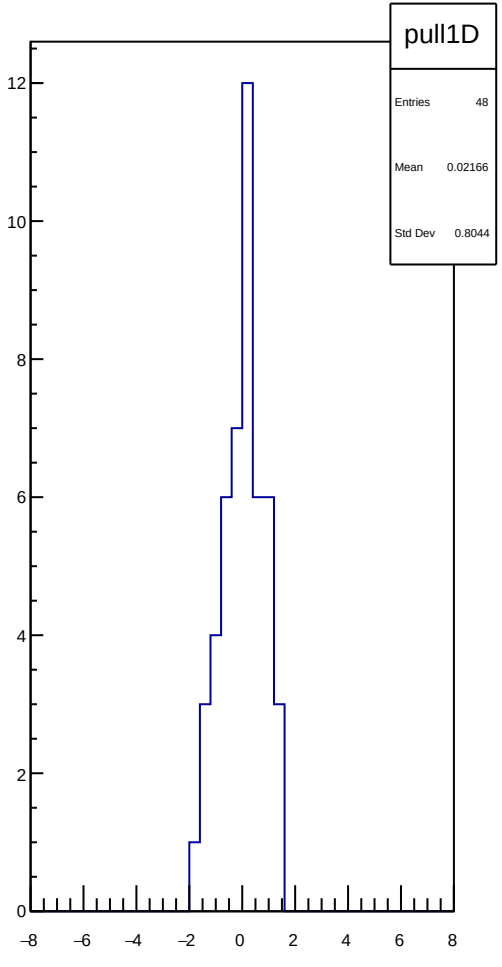

asym_at2_dd_rms vs run
χ² / ndf 647.5 / 47
p0 604.4 ± 0.6138
680
660
640
620
600
580
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

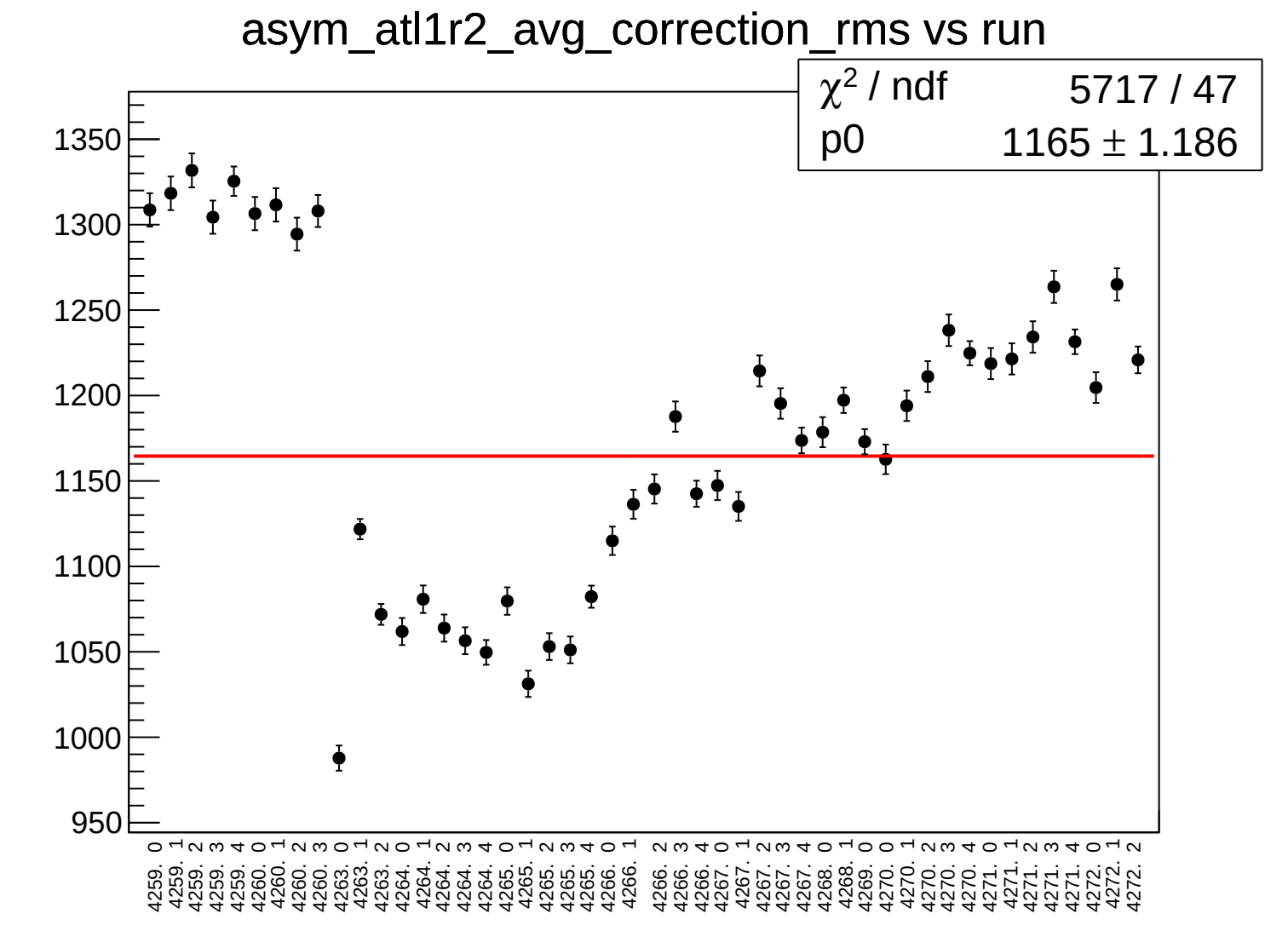

reg_asym_atl1r2_avg_mean vs run
χ^2 / ndf 39.04 / 47
p0 430.3 ± 440.7
10000
5000
0
−5000
−10000
pull
Entries 48
Mean −108.8
Std Dev 132.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

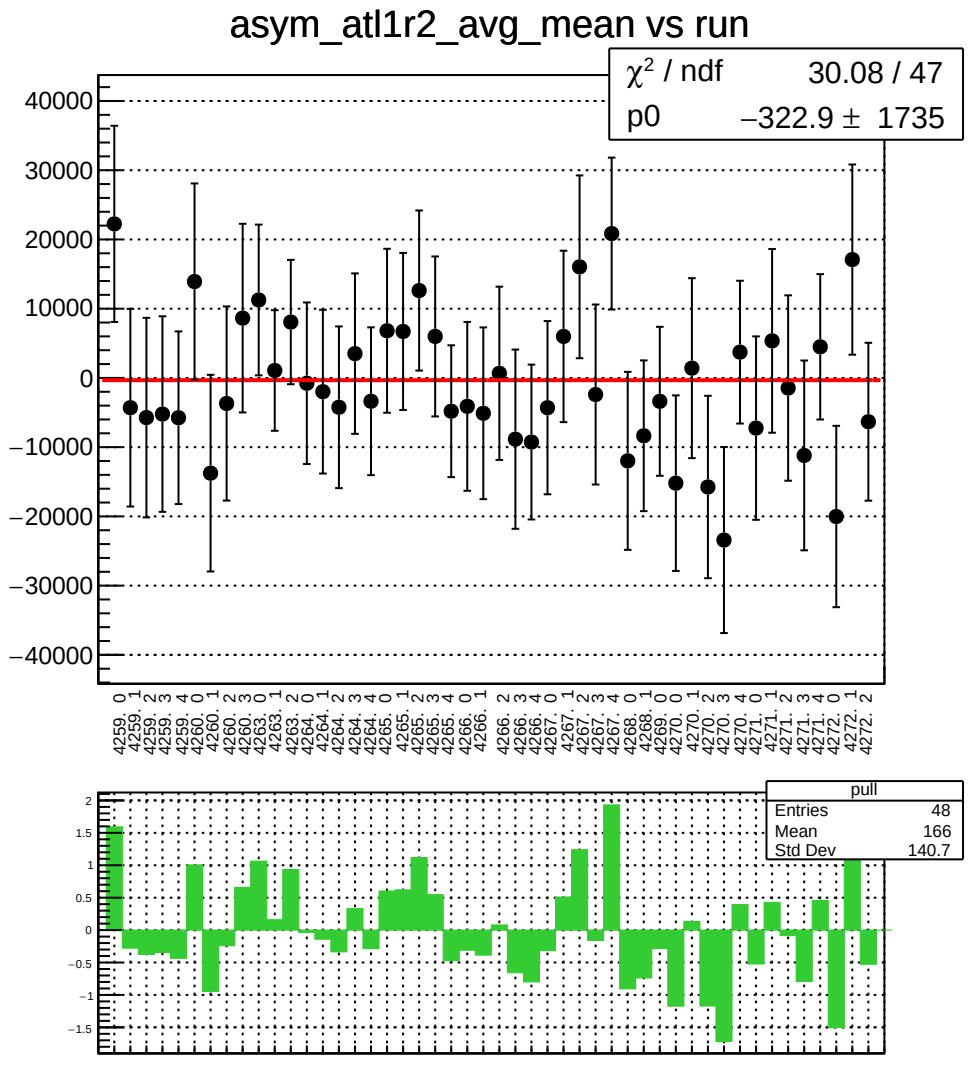

pull1D
Entries 48
Mean 0.01935
Std Dev 0.9016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

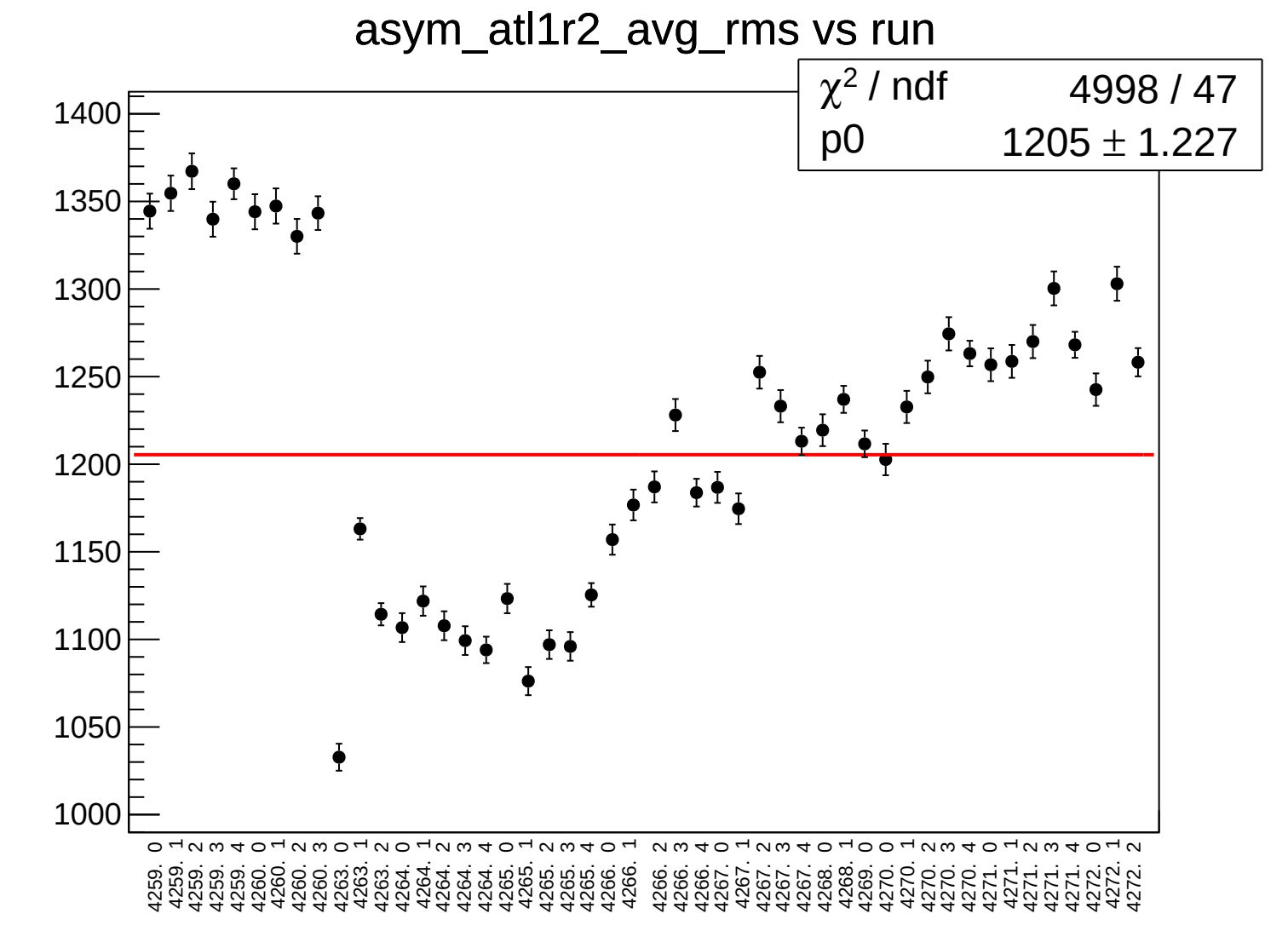

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 120.8 / 47
p0 306.9 ± 0.3116
320
315
310
305
300
295
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

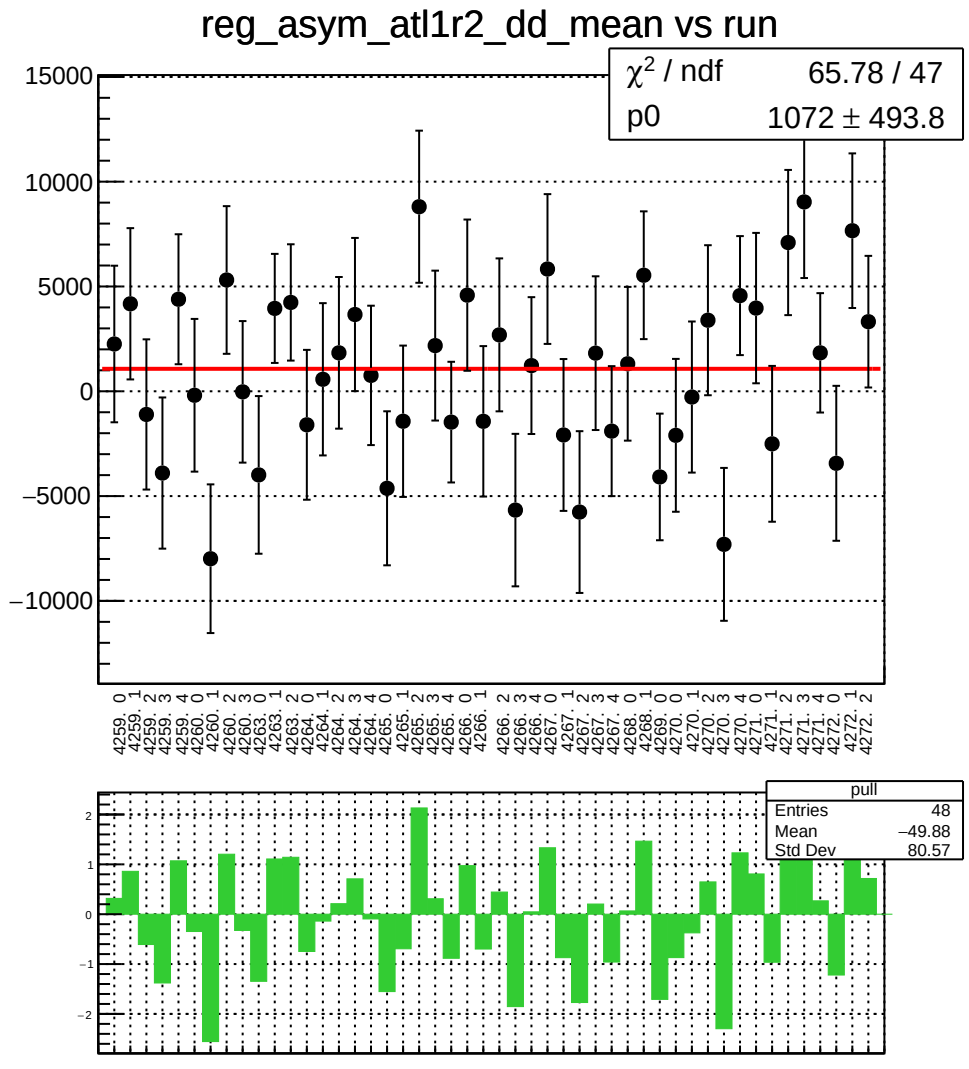

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 31.08 / 47
p0 801.5 ± 1677
pull
Entries 48
Mean 116.7
Std Dev 91.26

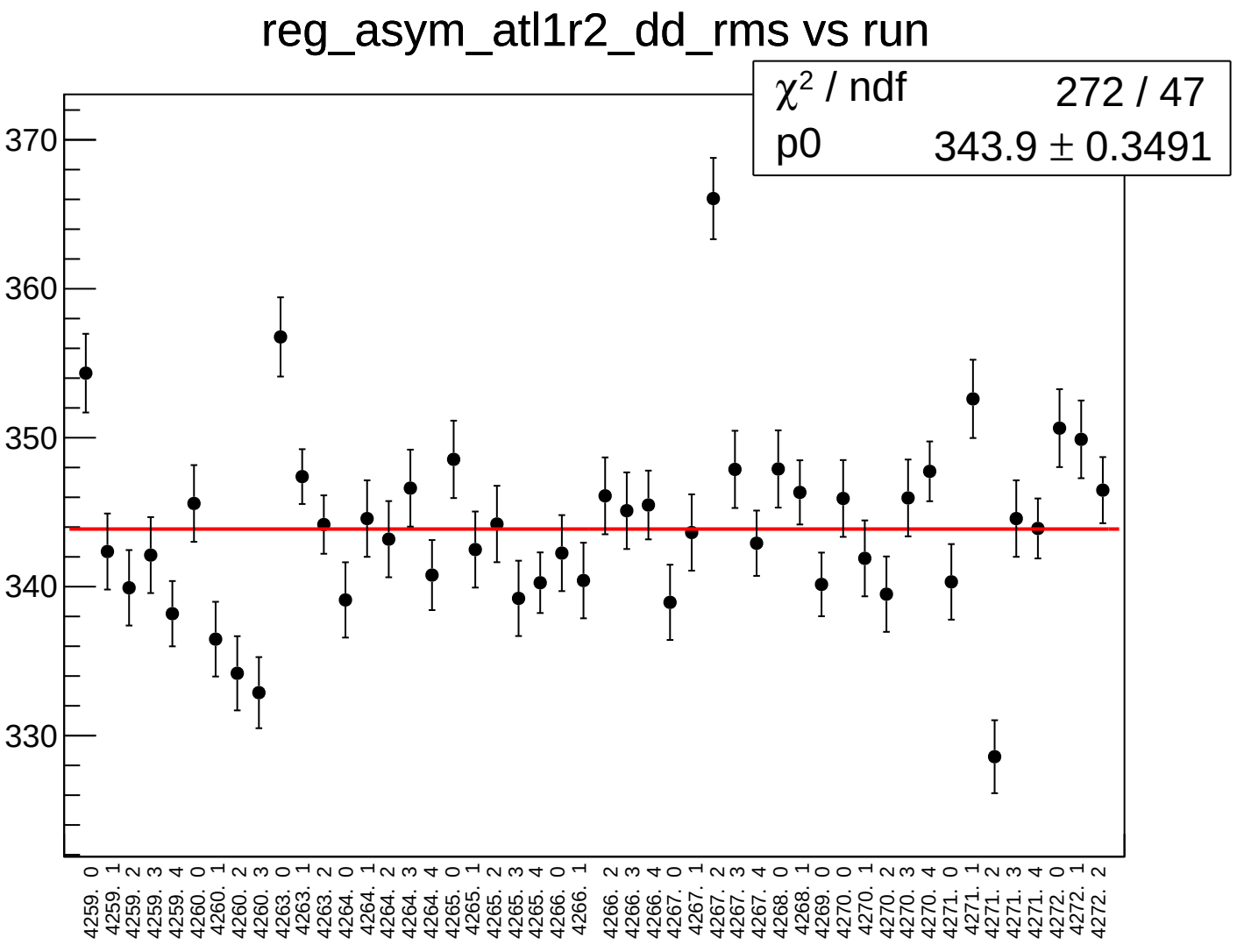

pull1D
Entries 48
Mean 0.02166
Std Dev 0.8044

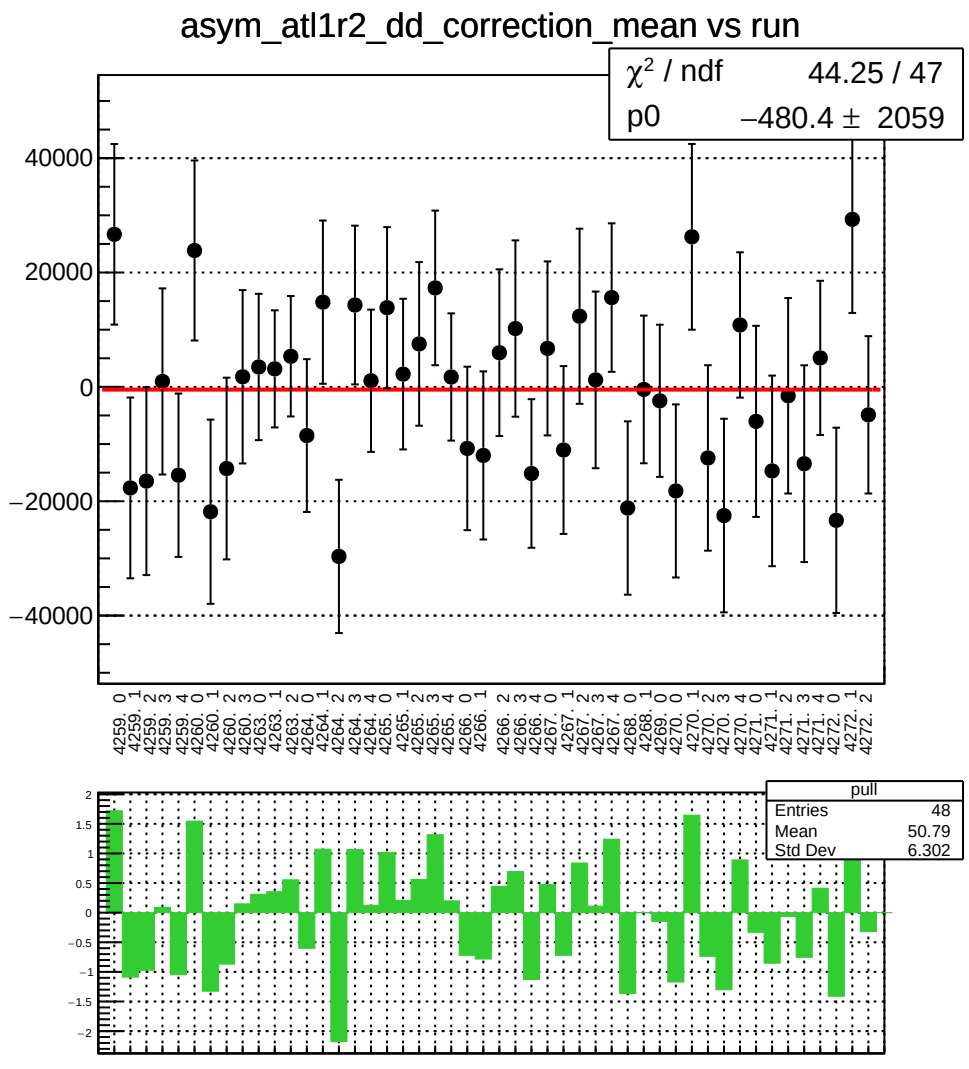

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 5717 / 47
p0 1165 ± 1.186
1350
1300
1250
1200
1150
1100
1050
1000
950
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

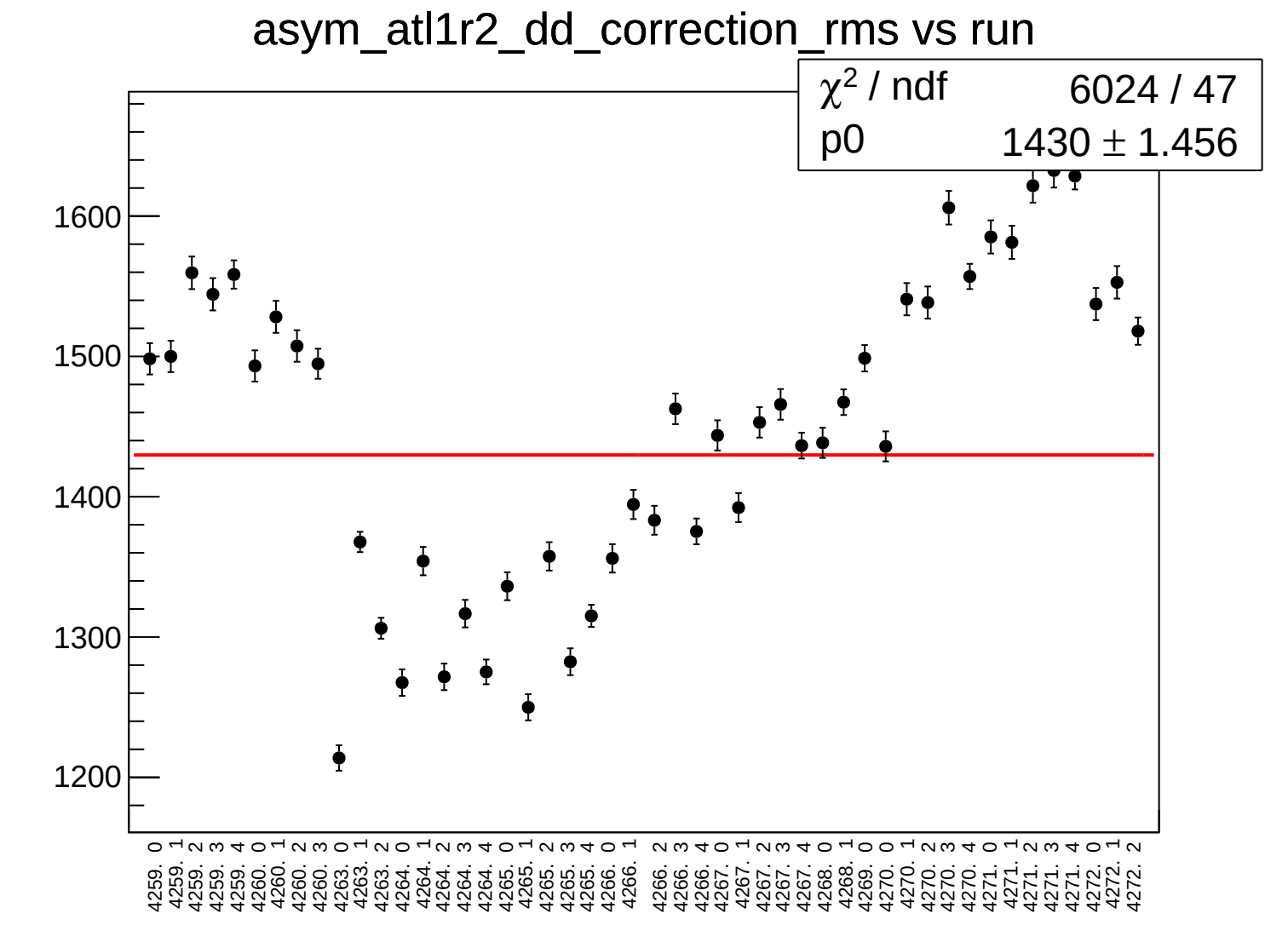

asym_atl1r2_avg_mean vs run
χ² / ndf 30.08 / 47
p0 −322.9 ± 1735
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 166
Std Dev 140.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean −0.01815
Std Dev 0.7915
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

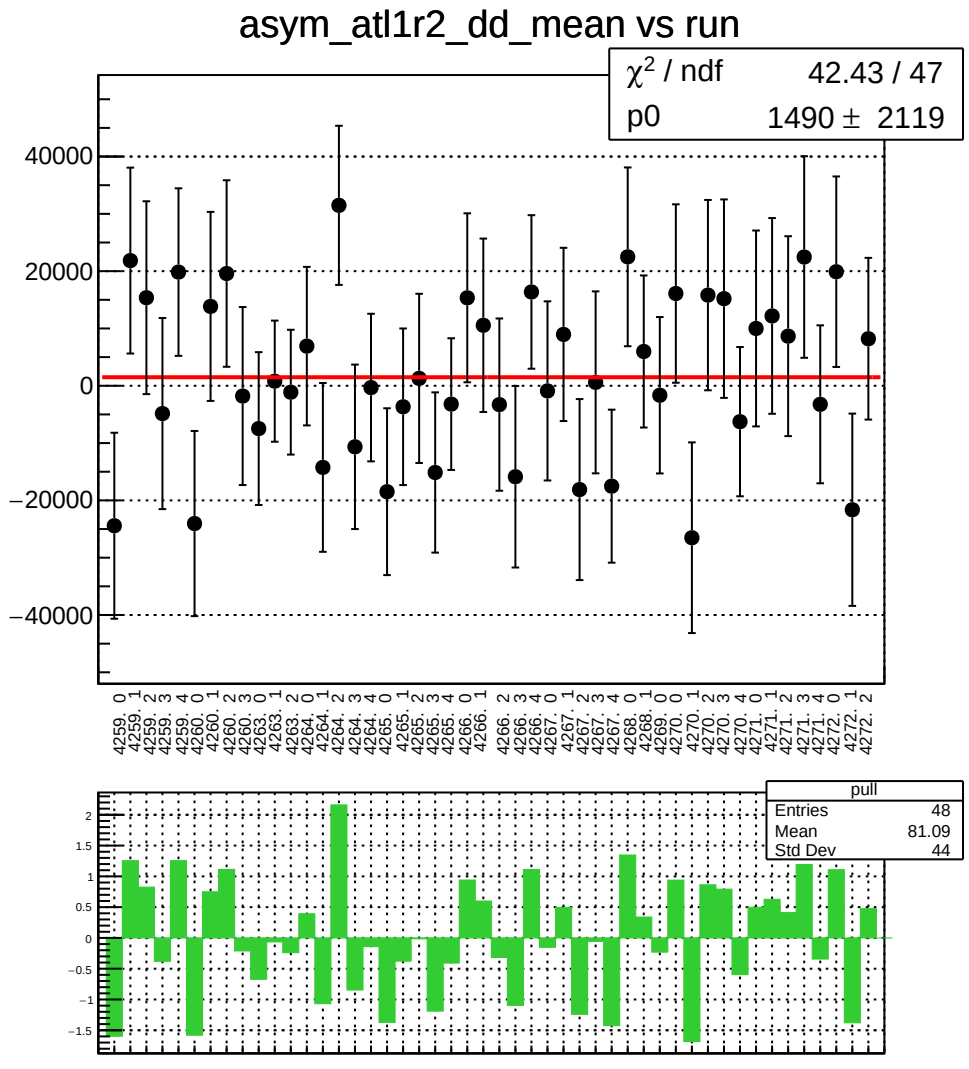

asym_atl1r2_avg_rms vs run
χ² / ndf 4998 / 47
p0 1205 ± 1.227
1400
1350
1300
1250
1200
1150
1100
1050
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

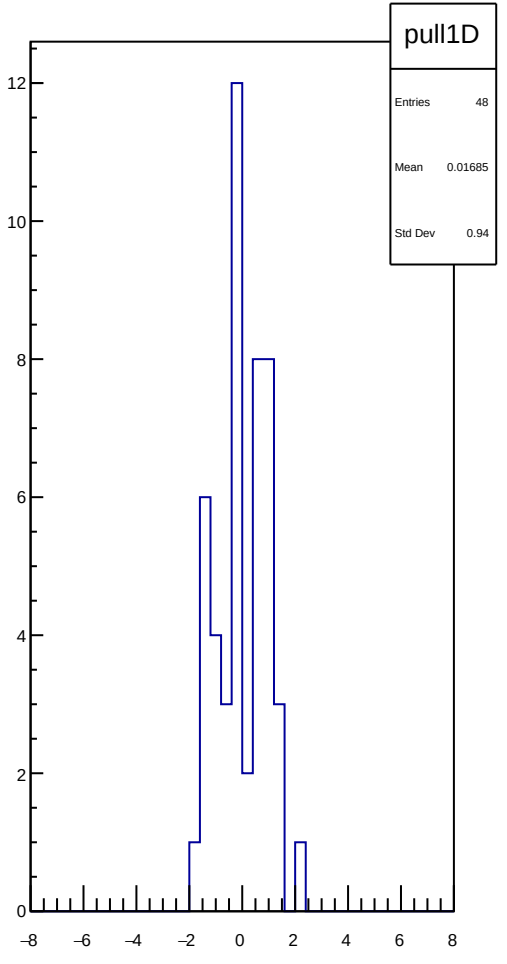

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 65.78 / 47
p0 1072 ± 493.8
15000
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −49.88
Std Dev 80.57
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.02652
Std Dev 1.17
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

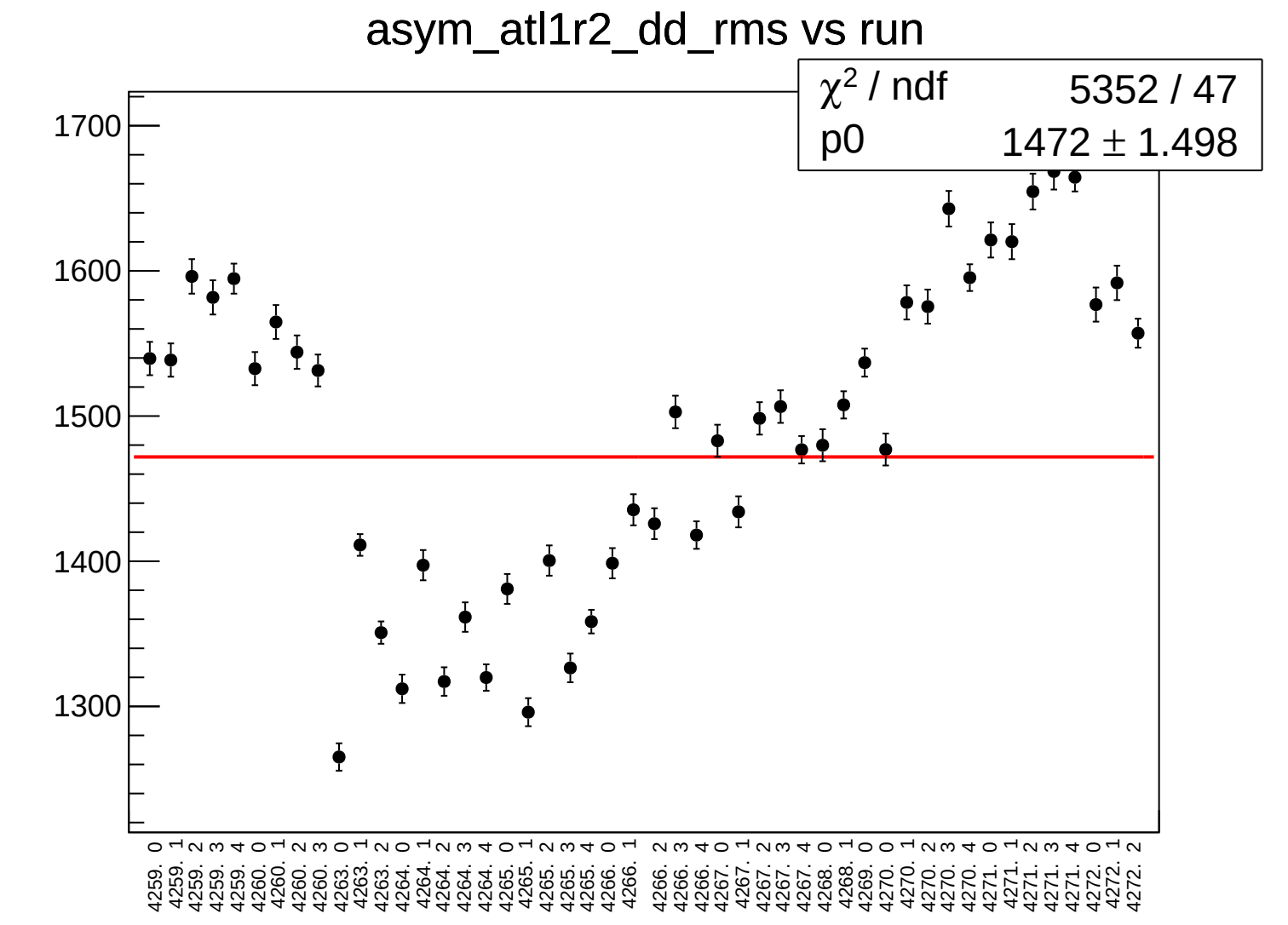

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 272 / 47
p0 343.9 ± 0.3491
370
360
350
340
330
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

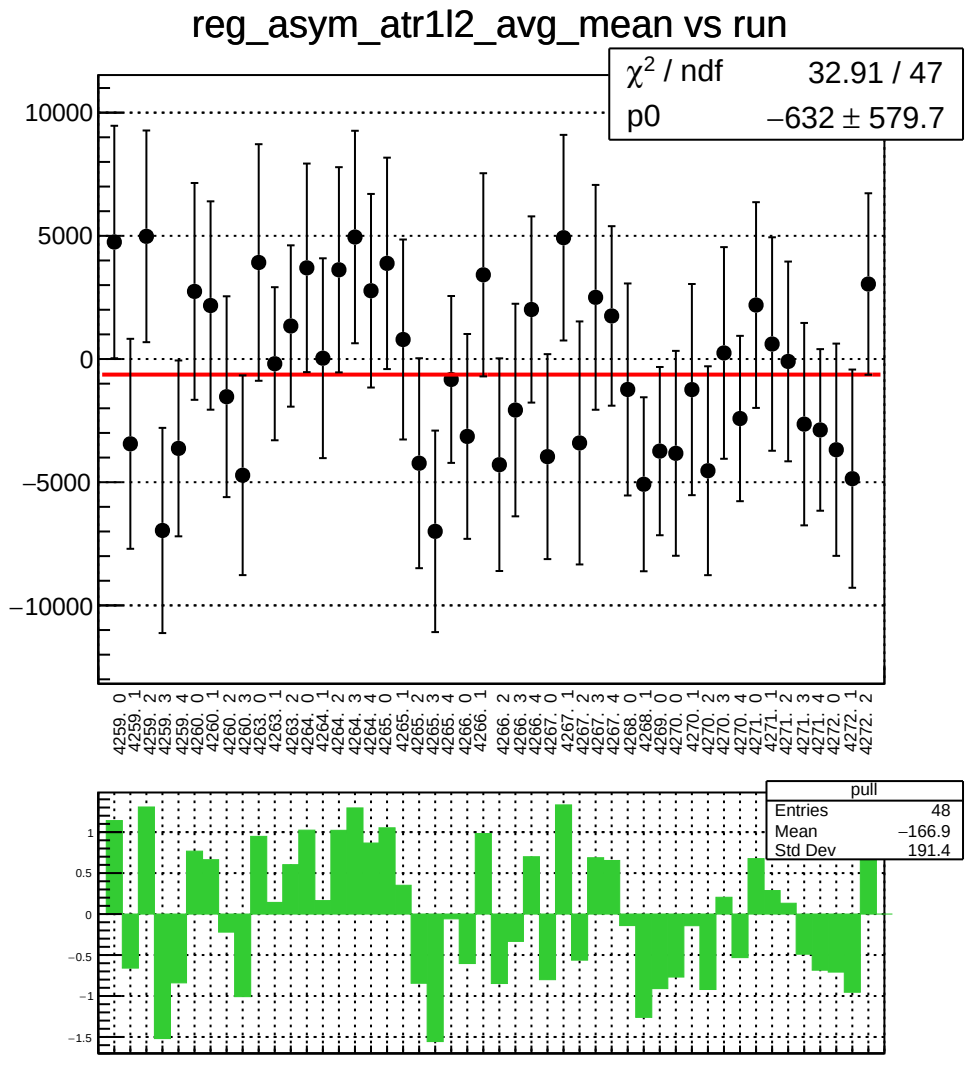

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 44.25 / 47
p0 −480.4 ± 2059
40000
20000
0
−20000
−40000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 50.79
Std Dev 6.302
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean −0.02165
Std Dev 0.9599
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

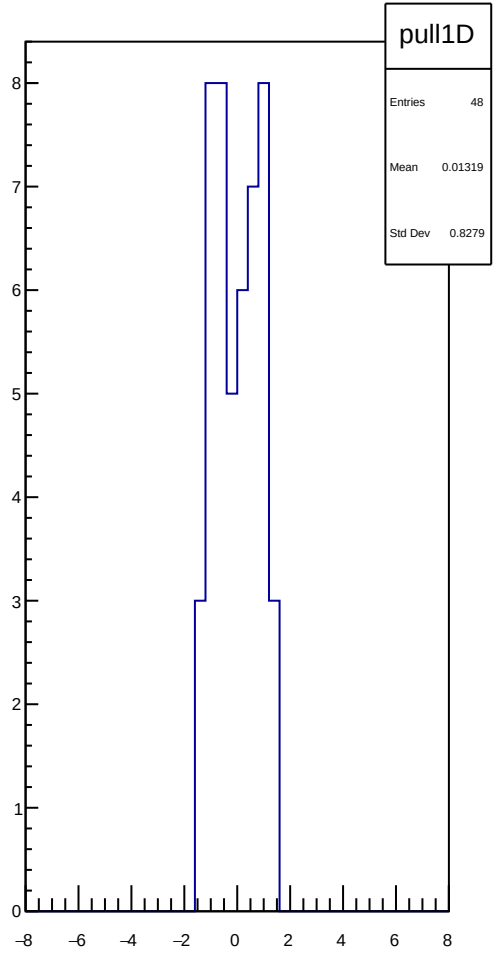

asym_atl1r2_dd_correction_rms vs run
χ² / ndf 6024 / 47
p0 1430 ± 1.456
1600
1500
1400
1300
1200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

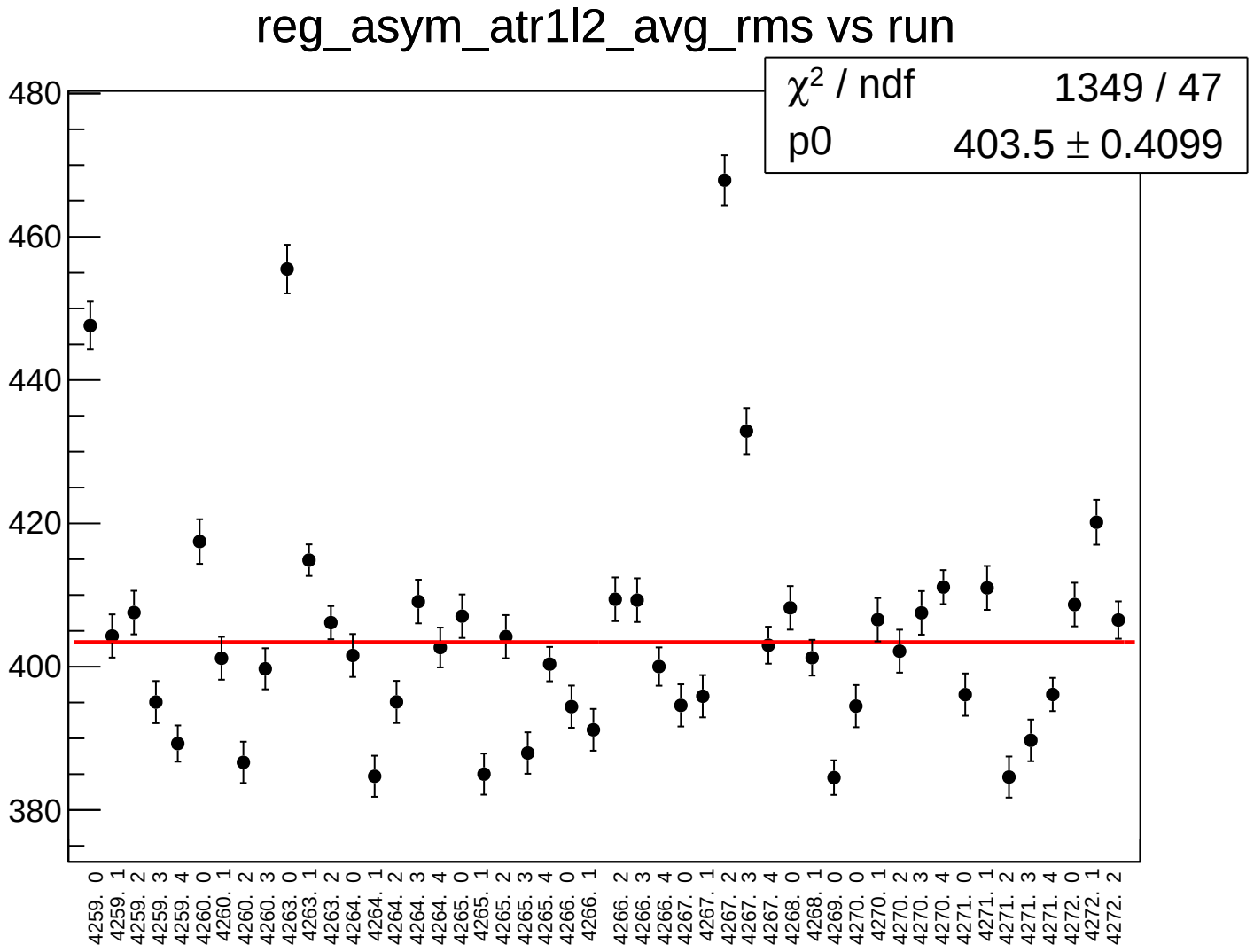

asym_atl1r2_dd_mean vs run
χ² / ndf 42.43 / 47
p0 1490 ± 2119
40000
20000
0
−20000
−40000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 81.09
Std Dev 44
2
1.5
1
0.5
0
−0.5
−1
−1.5

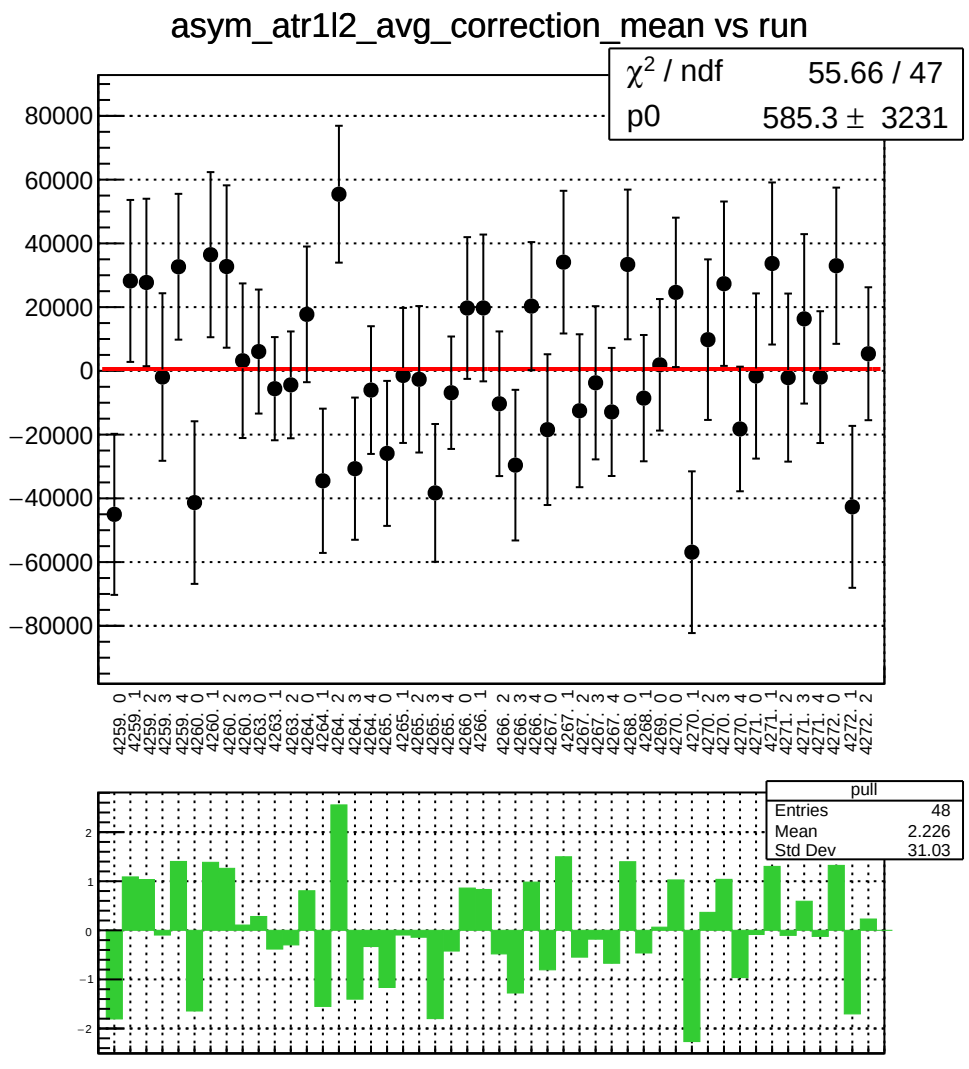

pull1D
Entries 48
Mean 0.01685
Std Dev 0.94
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

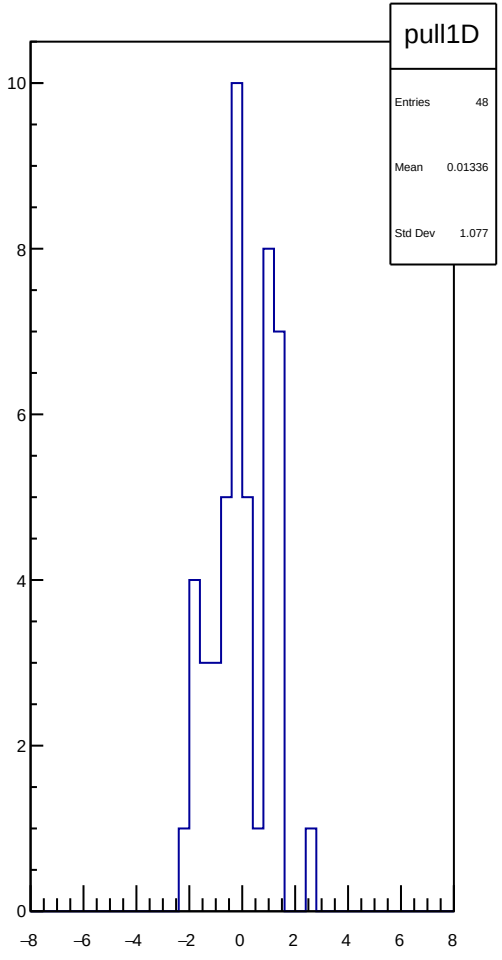

asym_atl1r2_dd_rms vs run
χ² / ndf 5352 / 47
p0 1472 ± 1.498
1700
1600
1500
1400
1300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

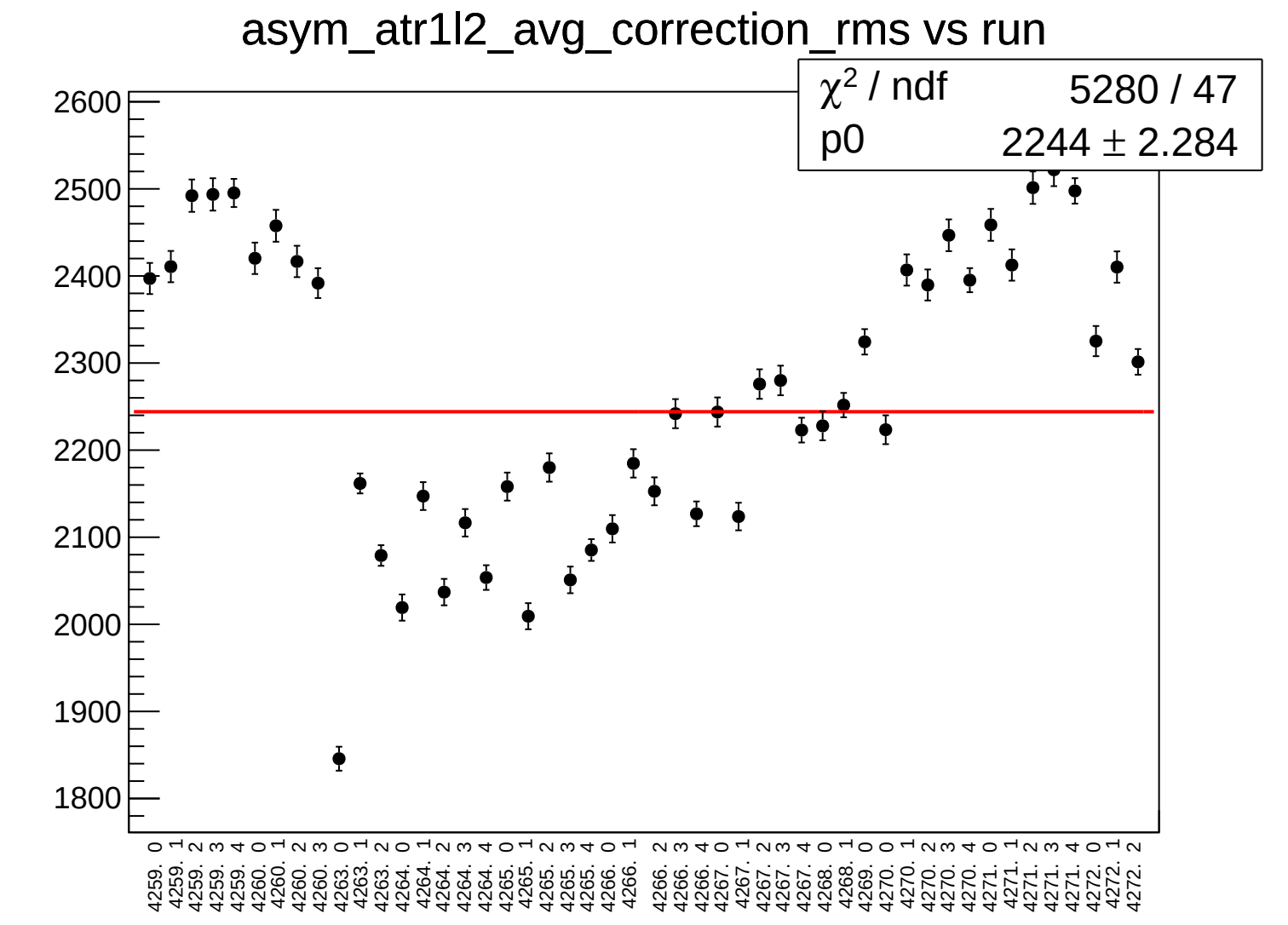

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 32.91 / 47
p0 −632 ± 579.7
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −166.9
Std Dev 191.4
1
0.5
0
−0.5
−1
−1.5

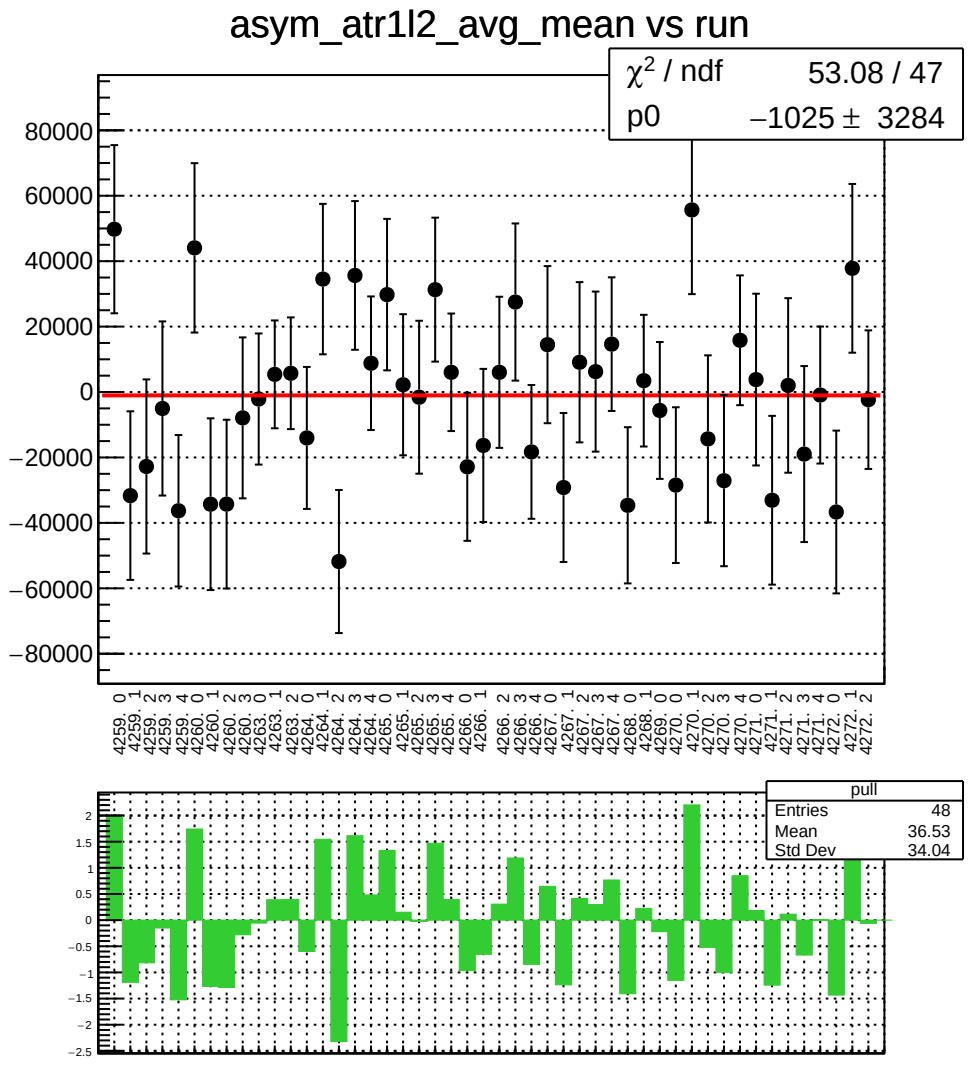

pull1D
Entries 48
Mean 0.01319
Std Dev 0.8279
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

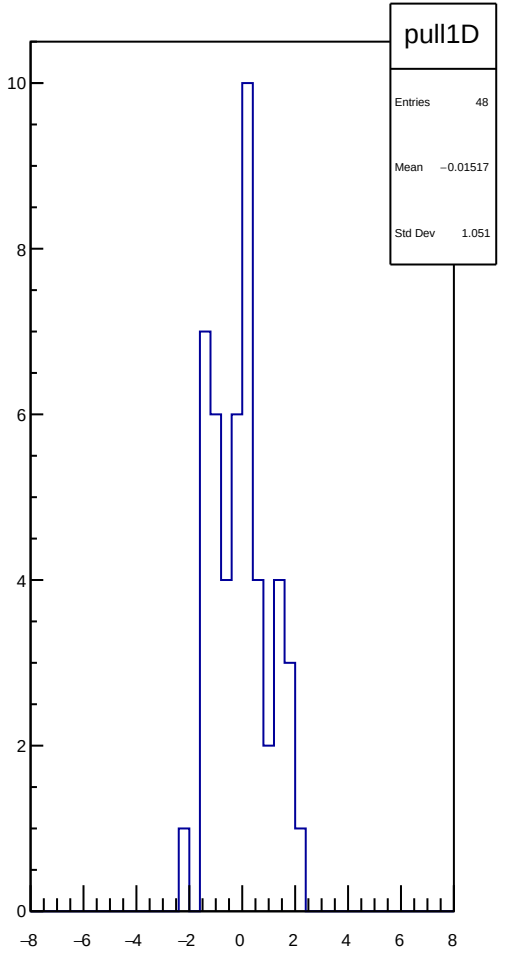

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 1349 / 47
p0 403.5 ± 0.4099
480
460
440
420
400
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

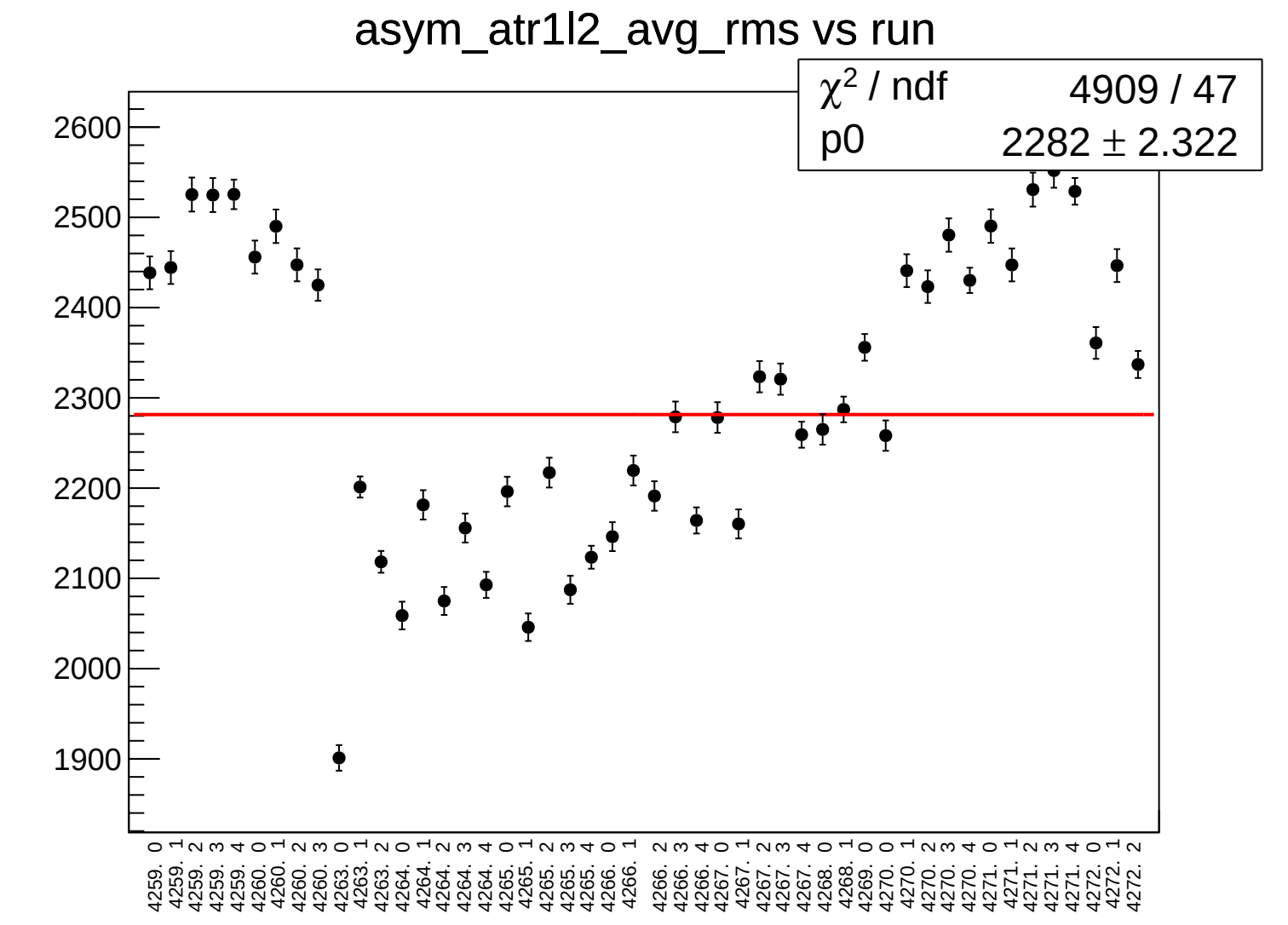

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 55.66 / 47
p0 585.3 ± 3231
pull
Entries 48
Mean 2.226
Std Dev 31.03

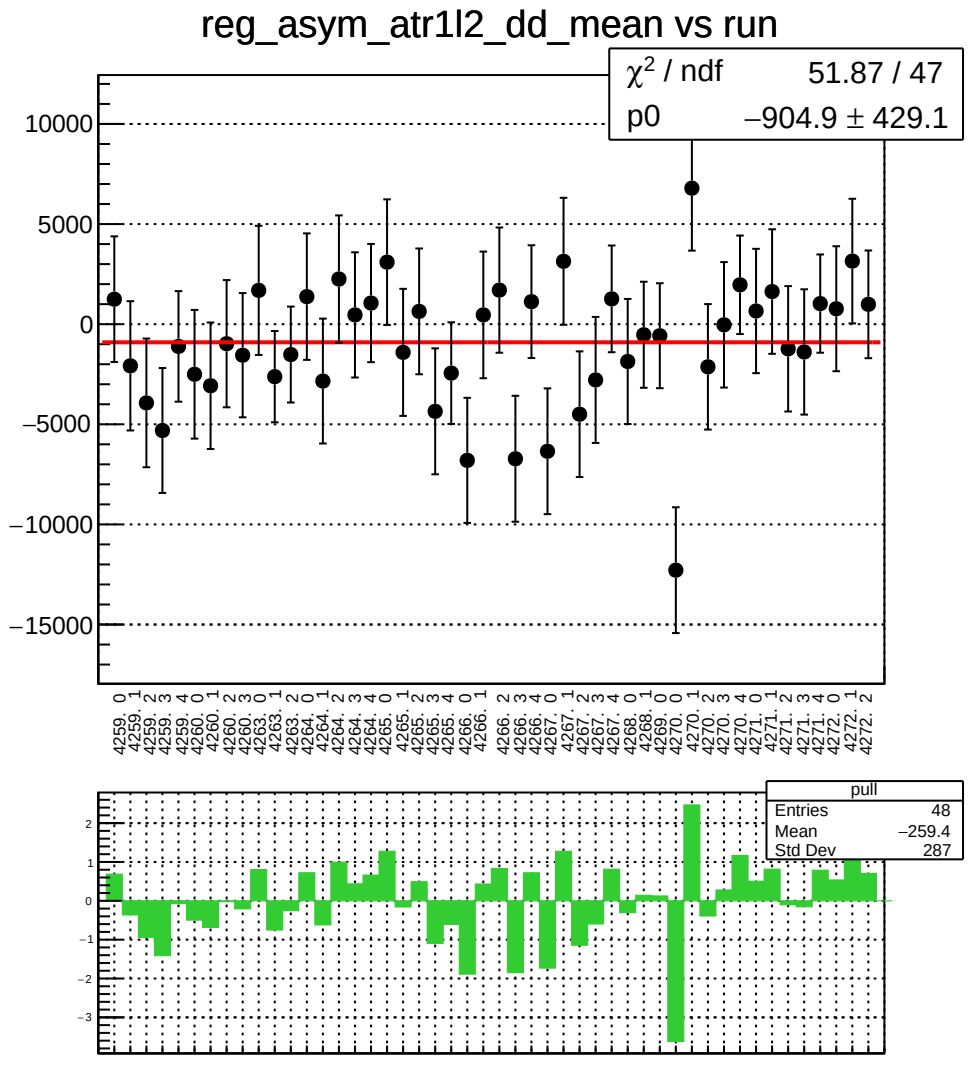

pull1D
Entries 48
Mean 0.01336
Std Dev 1.077

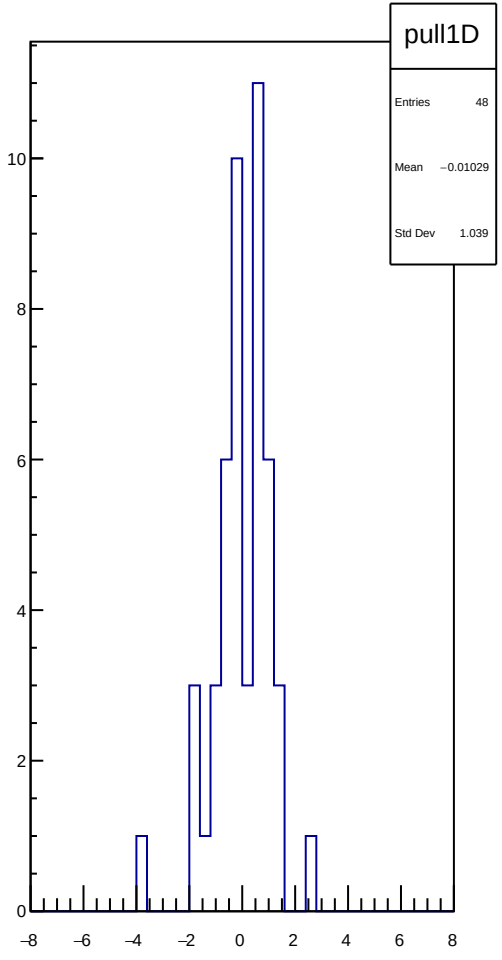

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 5280 / 47
p0 2244 ± 2.284
2600
2500
2400
2300
2200
2100
2000
1900
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

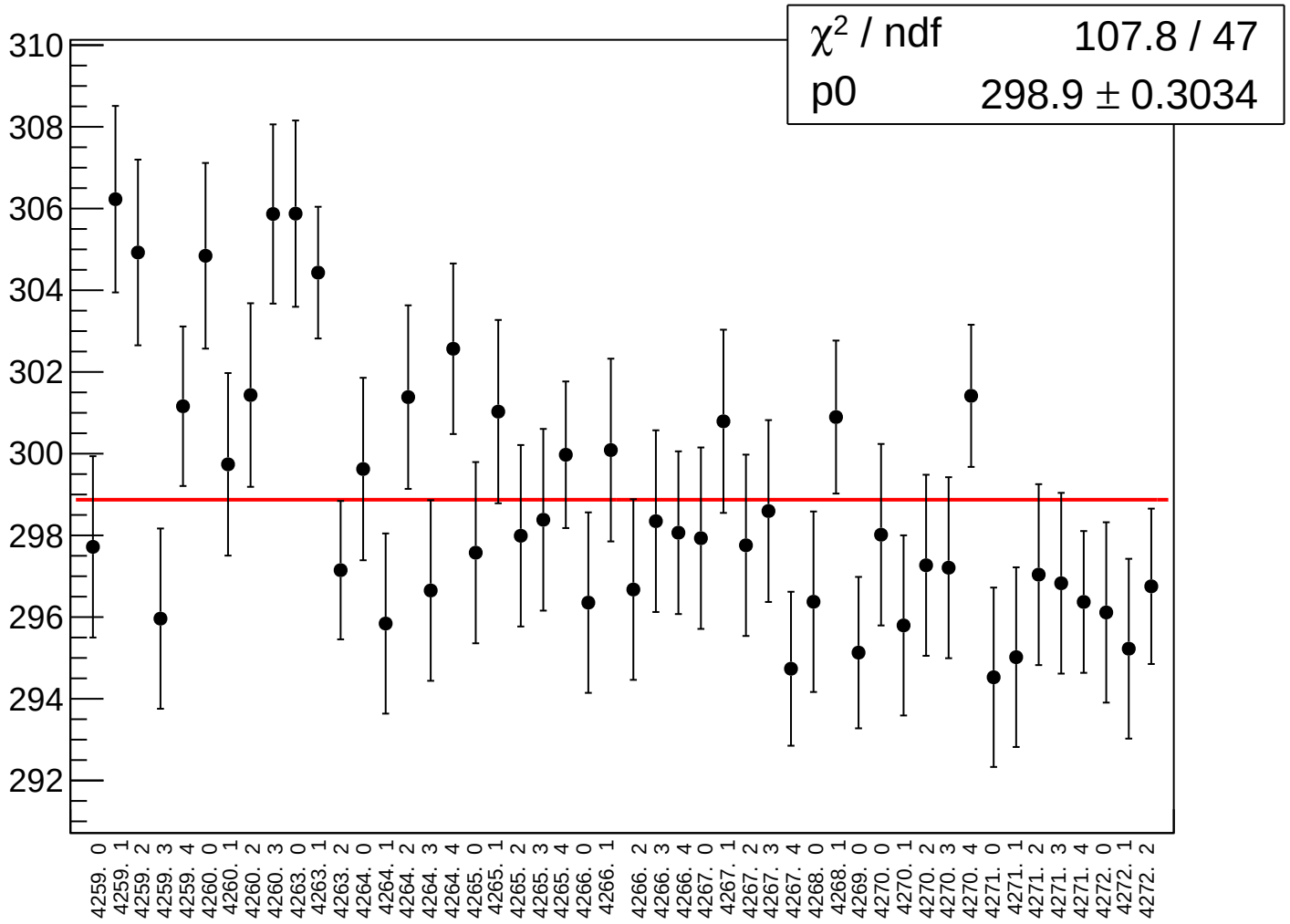

asym_atr1l2_avg_mean vs run
χ² / ndf 53.08 / 47
p0 −1025 ± 3284
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 36.53
Std Dev 34.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

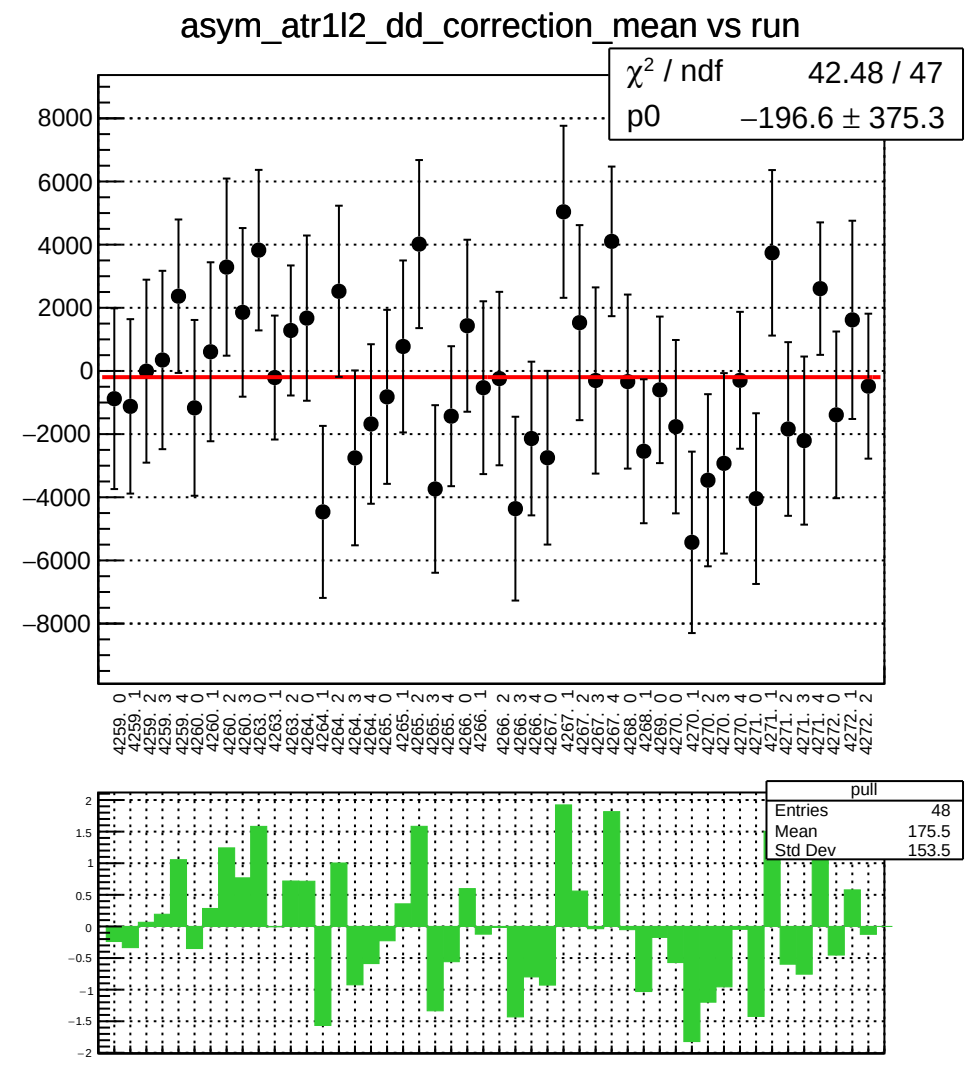

pull1D
Entries 48
Mean −0.01517
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

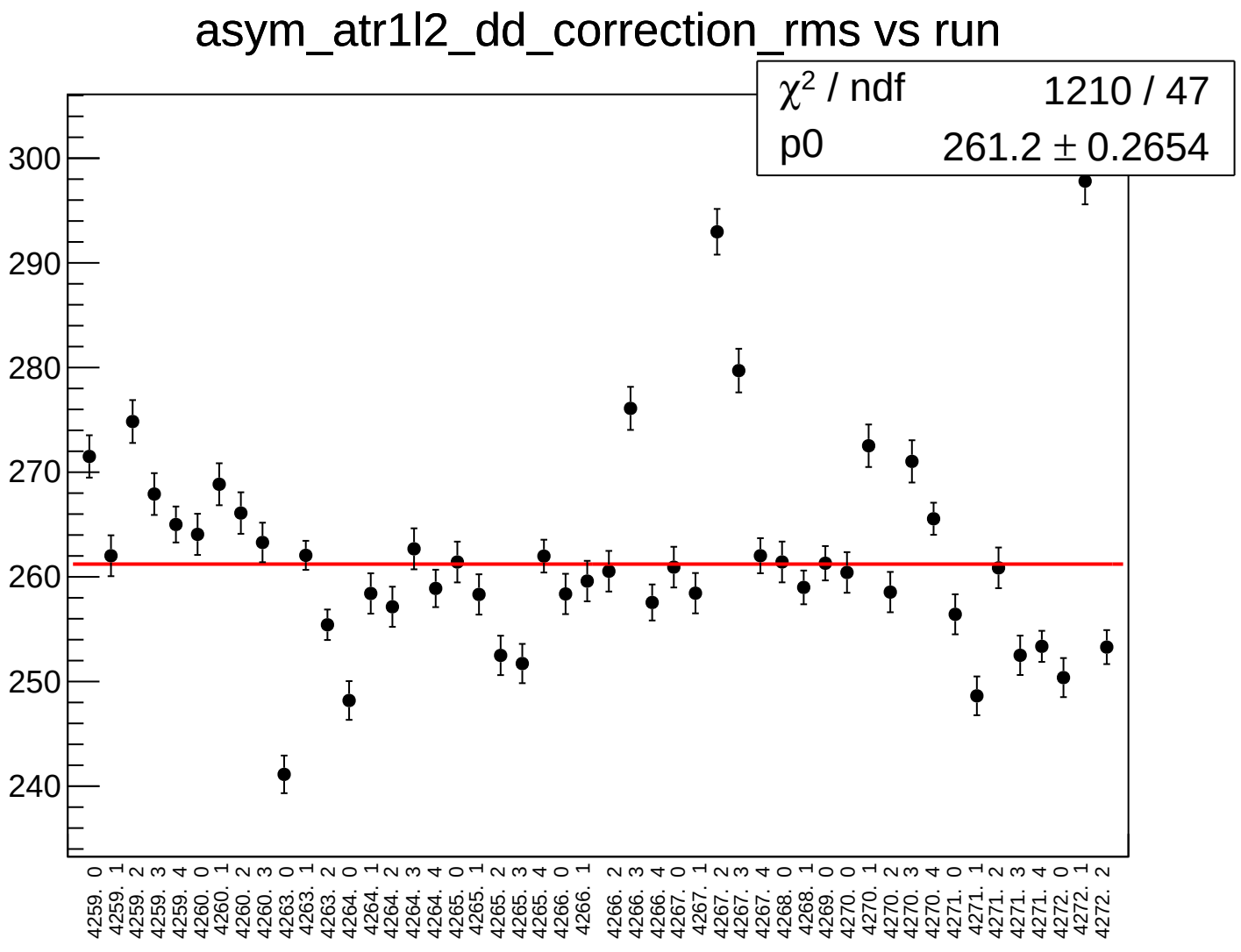

asym_atr1l2_avg_rms vs run
χ² / ndf 4909 / 47
p0 2282 ± 2.322
2600
2500
2400
2300
2200
2100
2000
1900
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

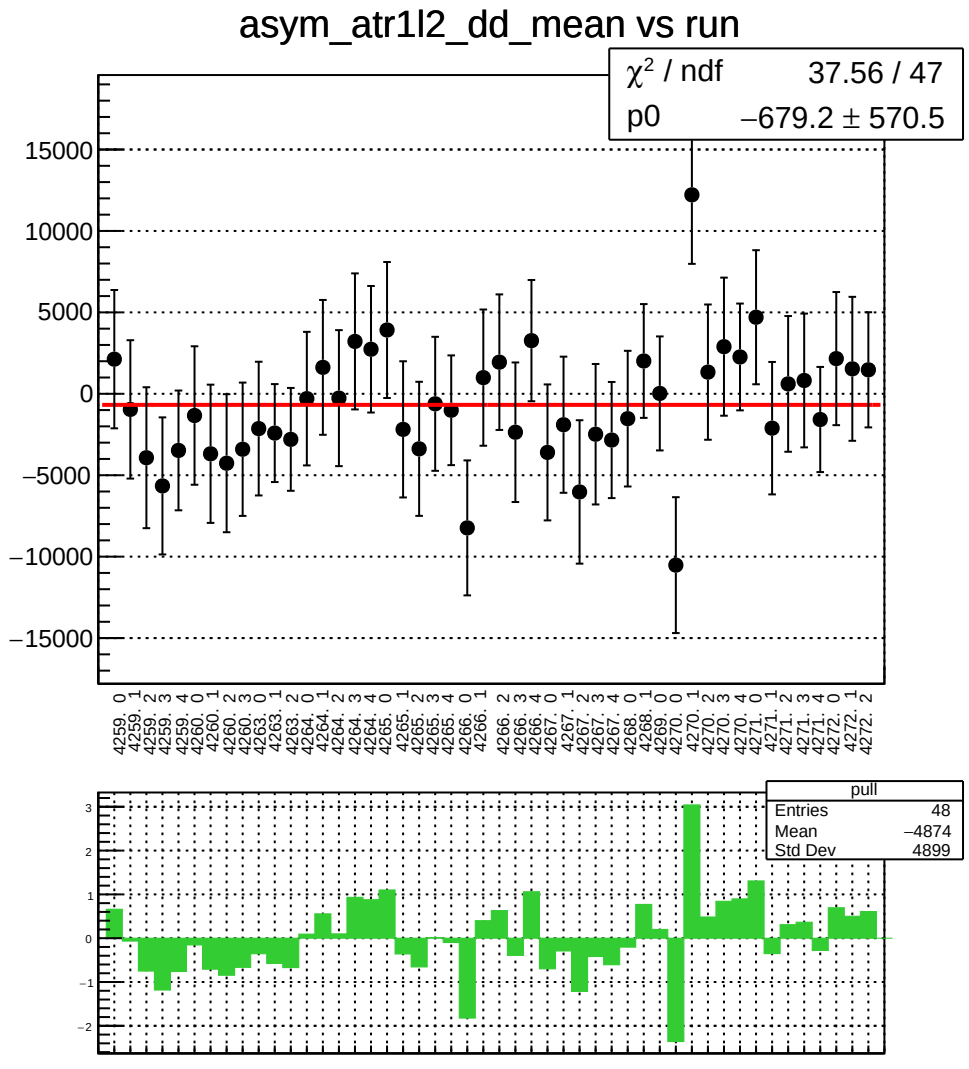

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 51.87 / 47
p0 −904.9 ± 429.1
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −259.4
Std Dev 287
2
1
0
−1
−2
−3

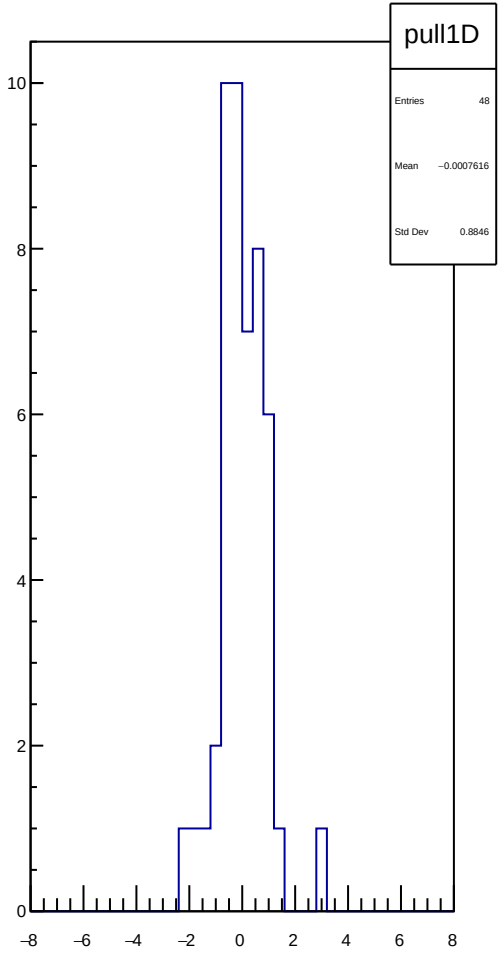

pull1D
Entries 48
Mean −0.01029
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

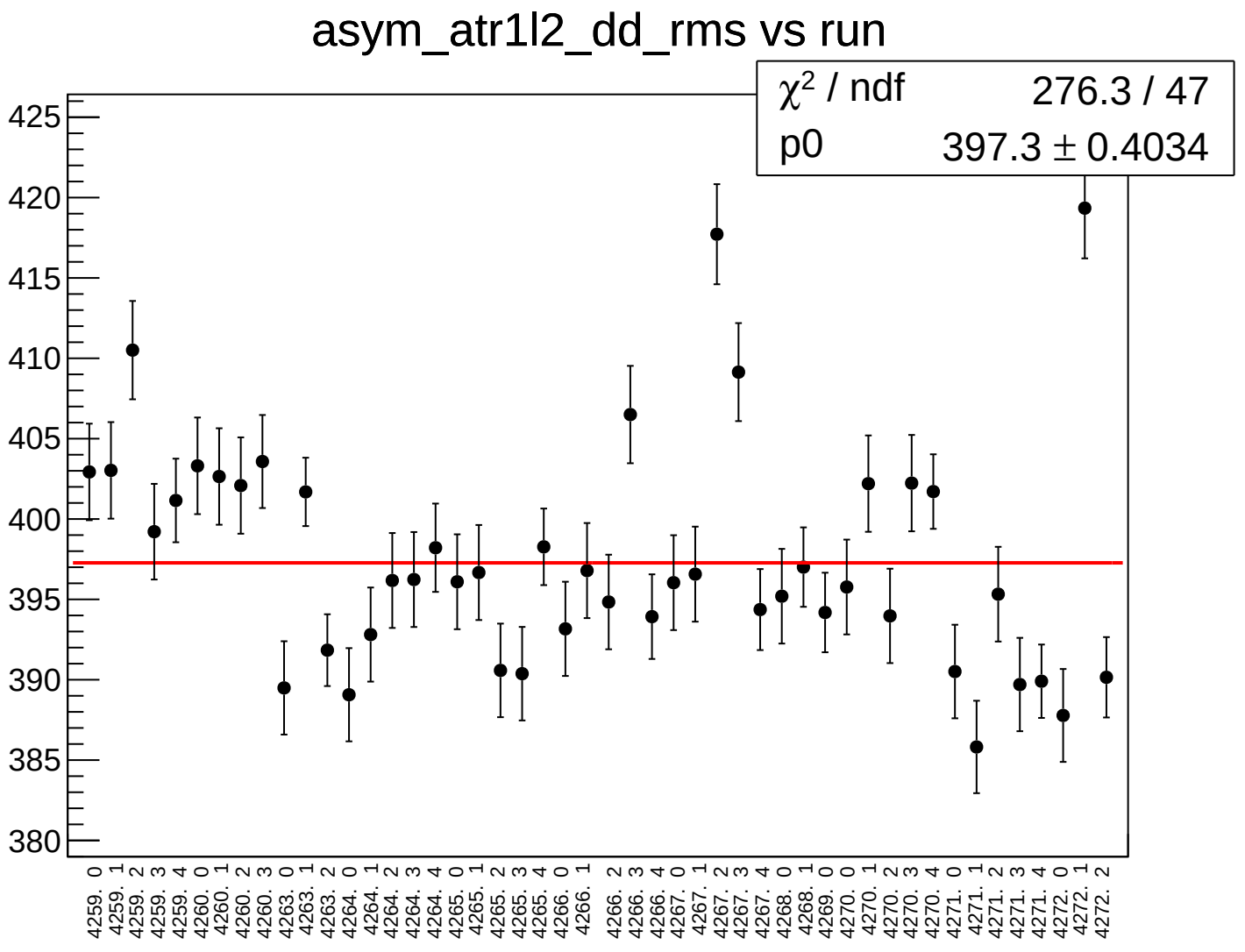

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 107.8 / 47
p0 298.9 ± 0.3034
310
308
306
304
302
300
298
296
294
292
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

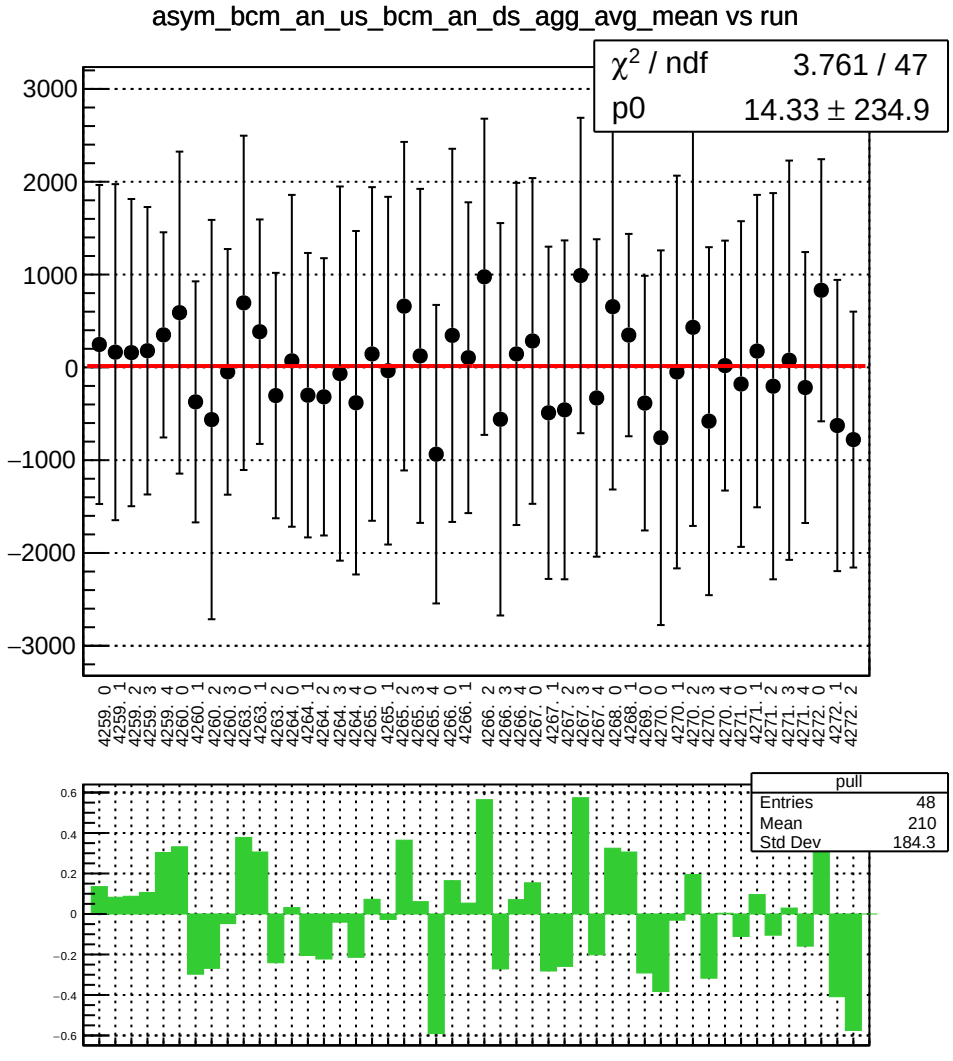

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 42.48 / 47
p0 −196.6 ± 375.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 175.5
Std Dev 153.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean −0.01603
Std Dev 0.9406
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

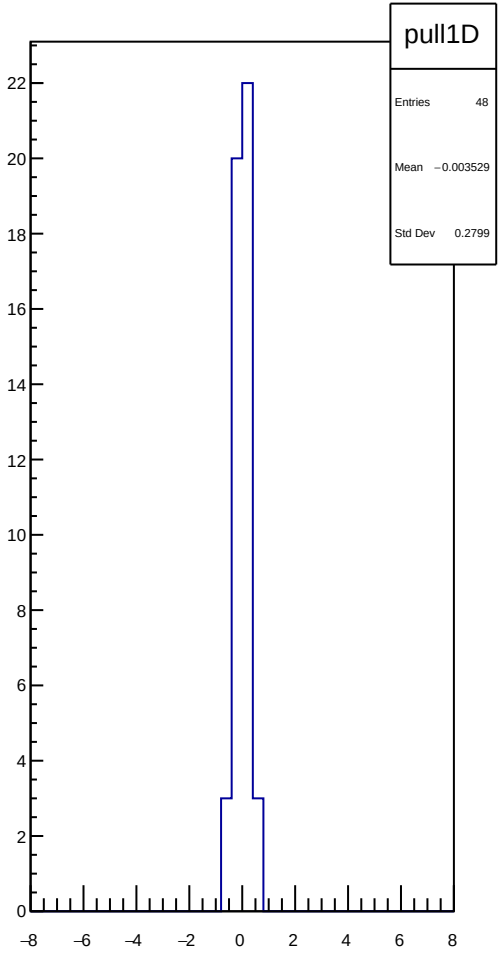

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 1210 / 47
p0 261.2 ± 0.2654
300
290
280
270
260
250
240
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

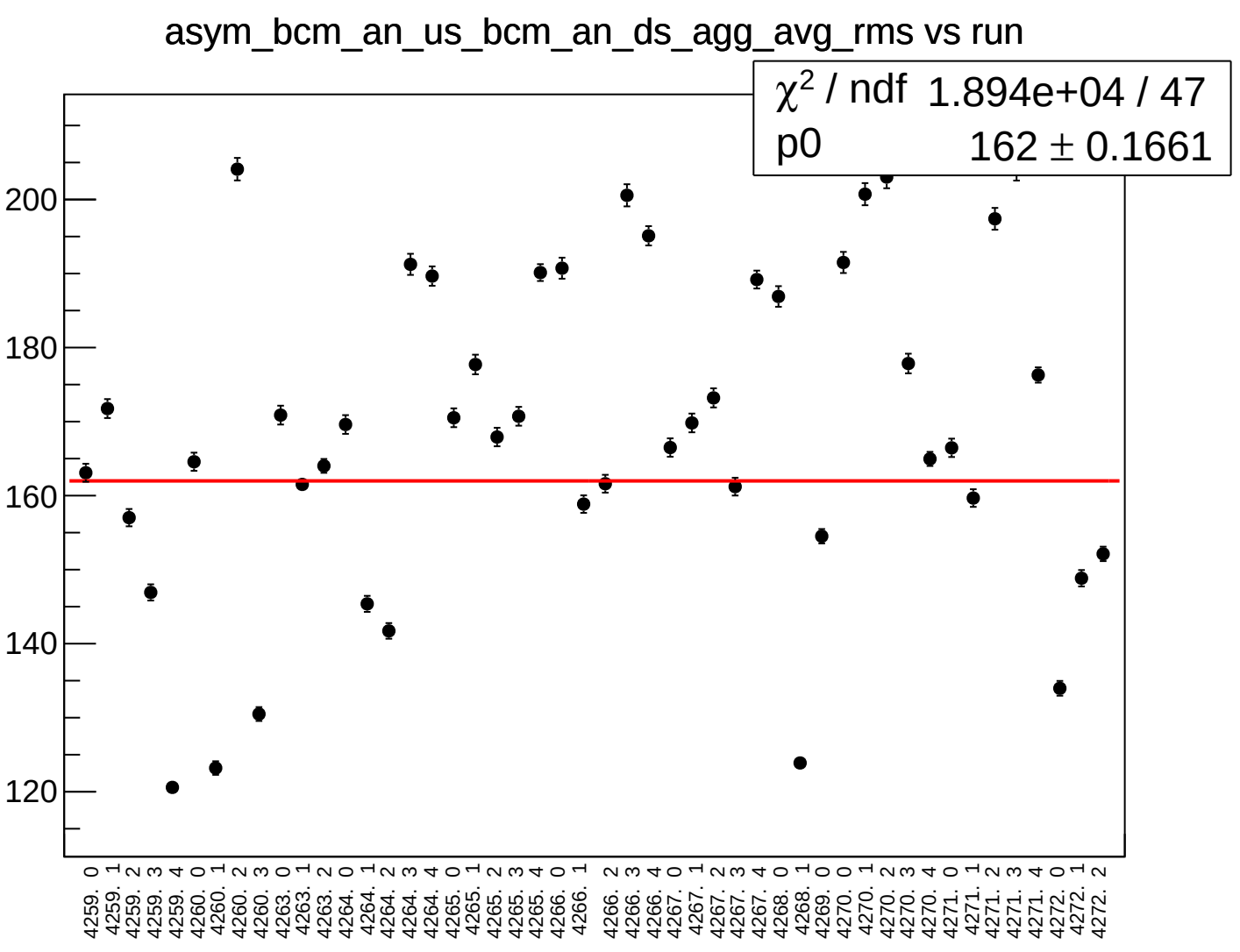

asym_atr1l2_dd_mean vs run
χ² / ndf 37.56 / 47
p0 −679.2 ± 570.5
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −4874
Std Dev 4899
3
2
1
0
−1
−2

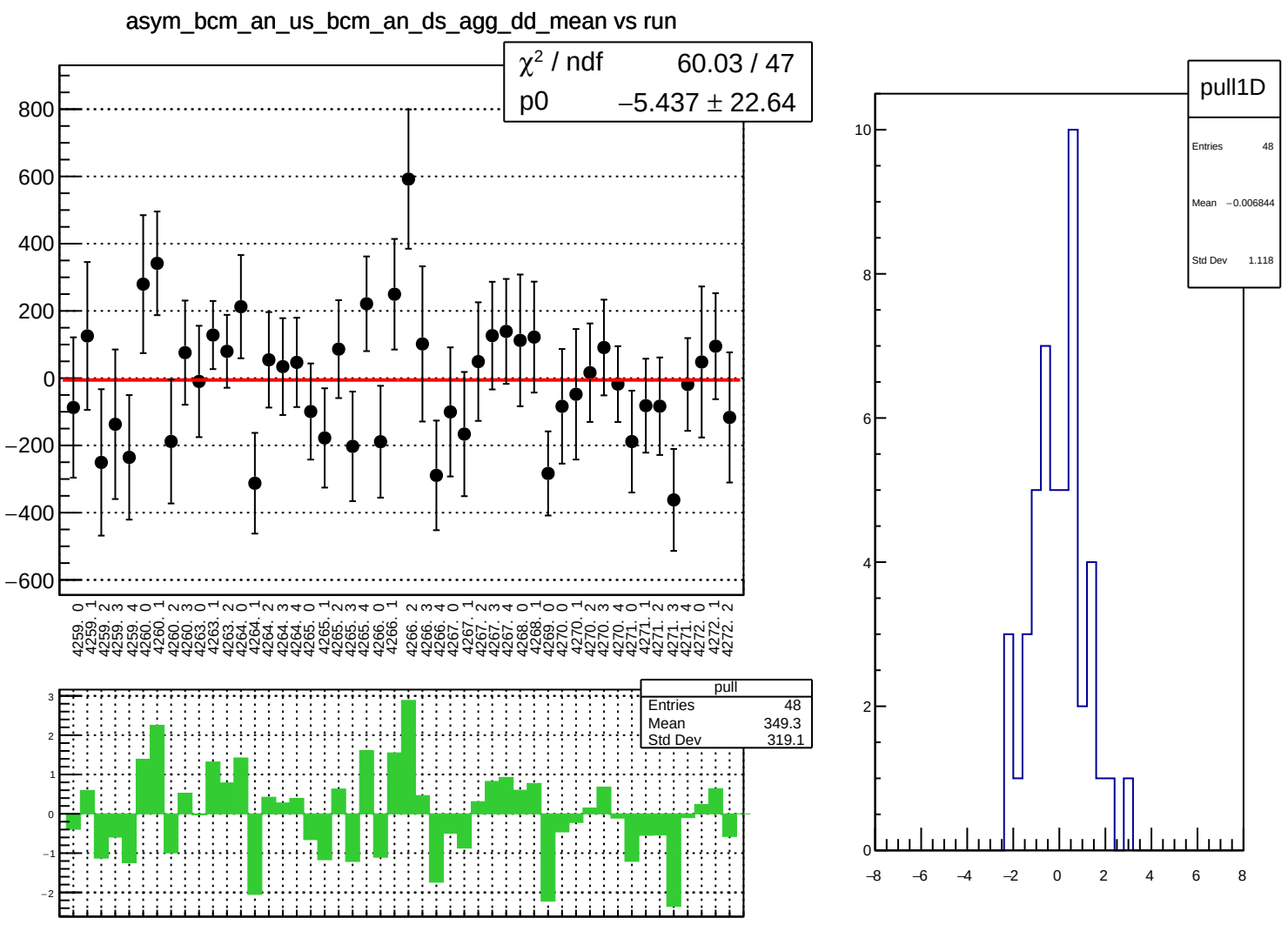

pull1D
Entries 48
Mean −0.0007616
Std Dev 0.8846
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

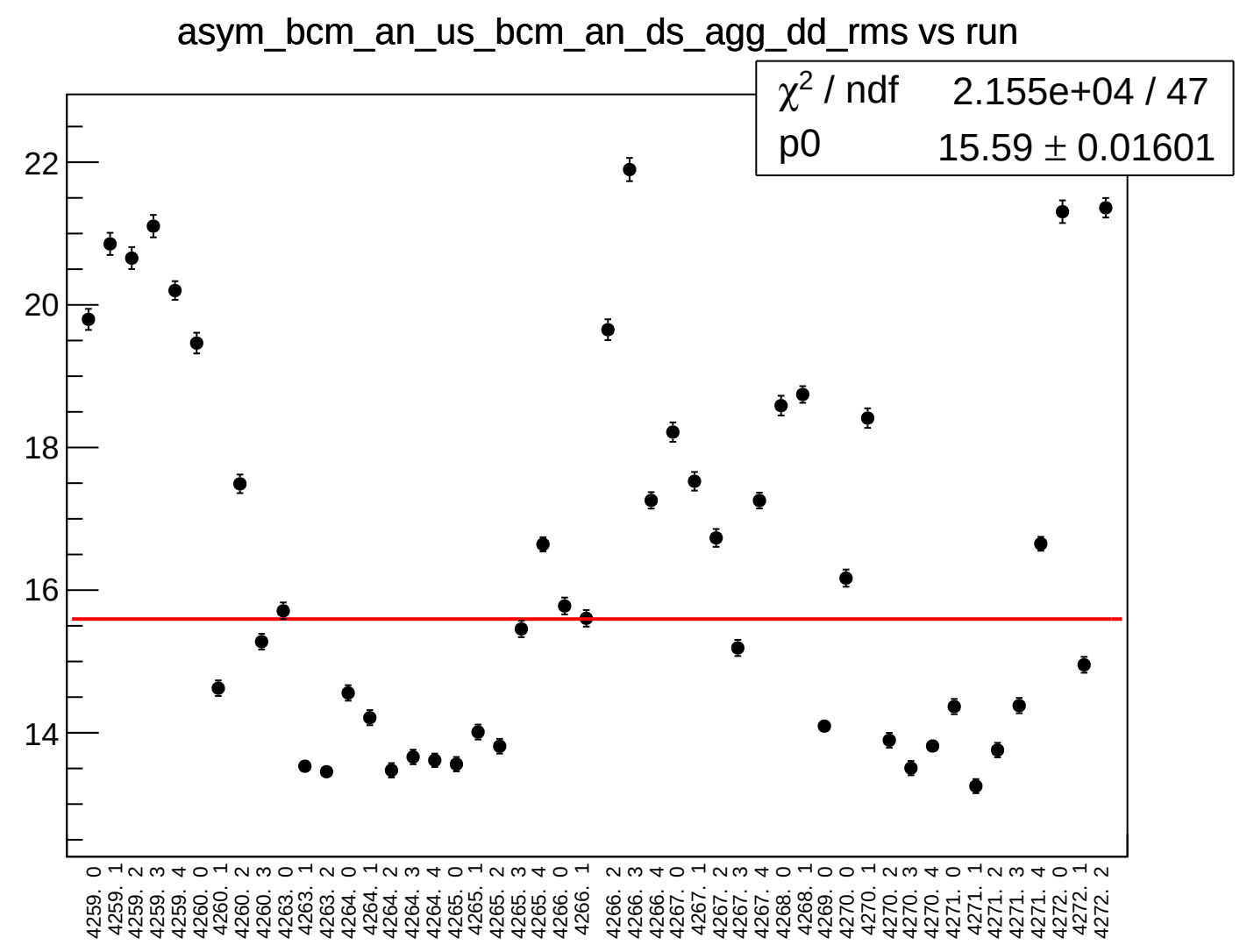

asym_atr1l2_dd_rms vs run
χ² / ndf 276.3 / 47
p0 397.3 ± 0.4034
425
420
415
410
405
400
395
390
385
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

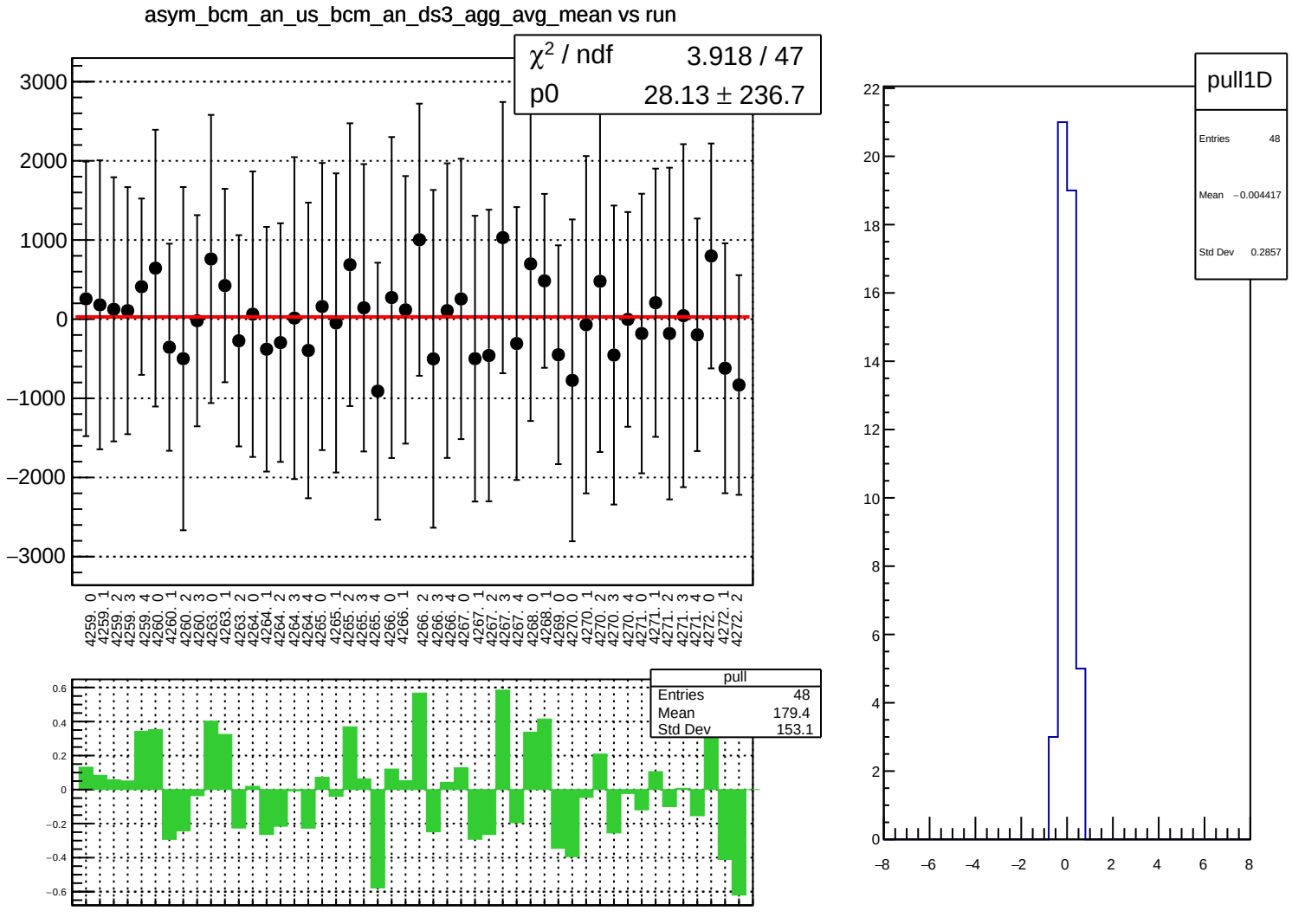

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 3.761 / 47
p0 14.33 ± 234.9
pull
Entries 48
Mean 210
Std Dev 184.3

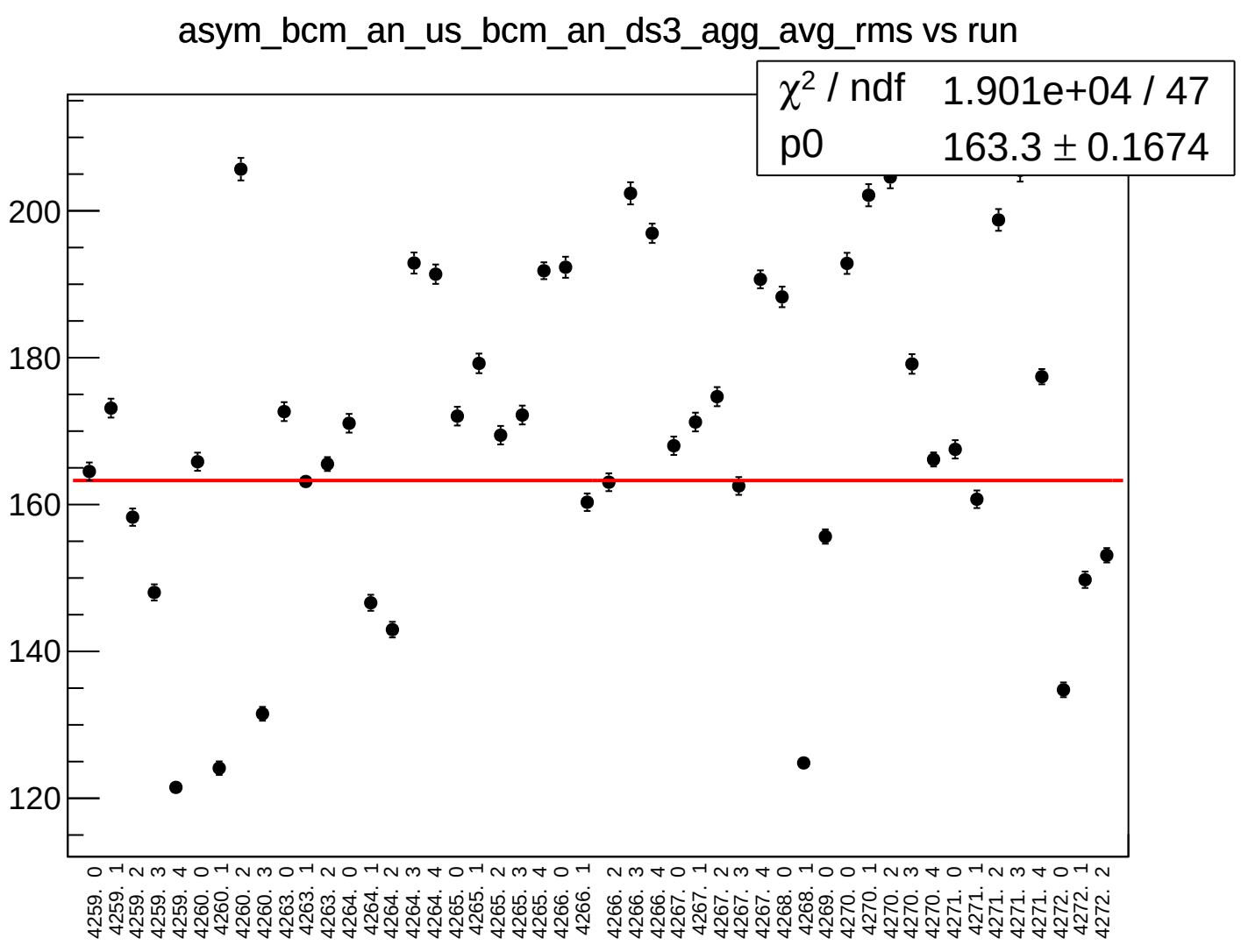

pull1D
Entries 48
Mean −0.003529
Std Dev 0.2799

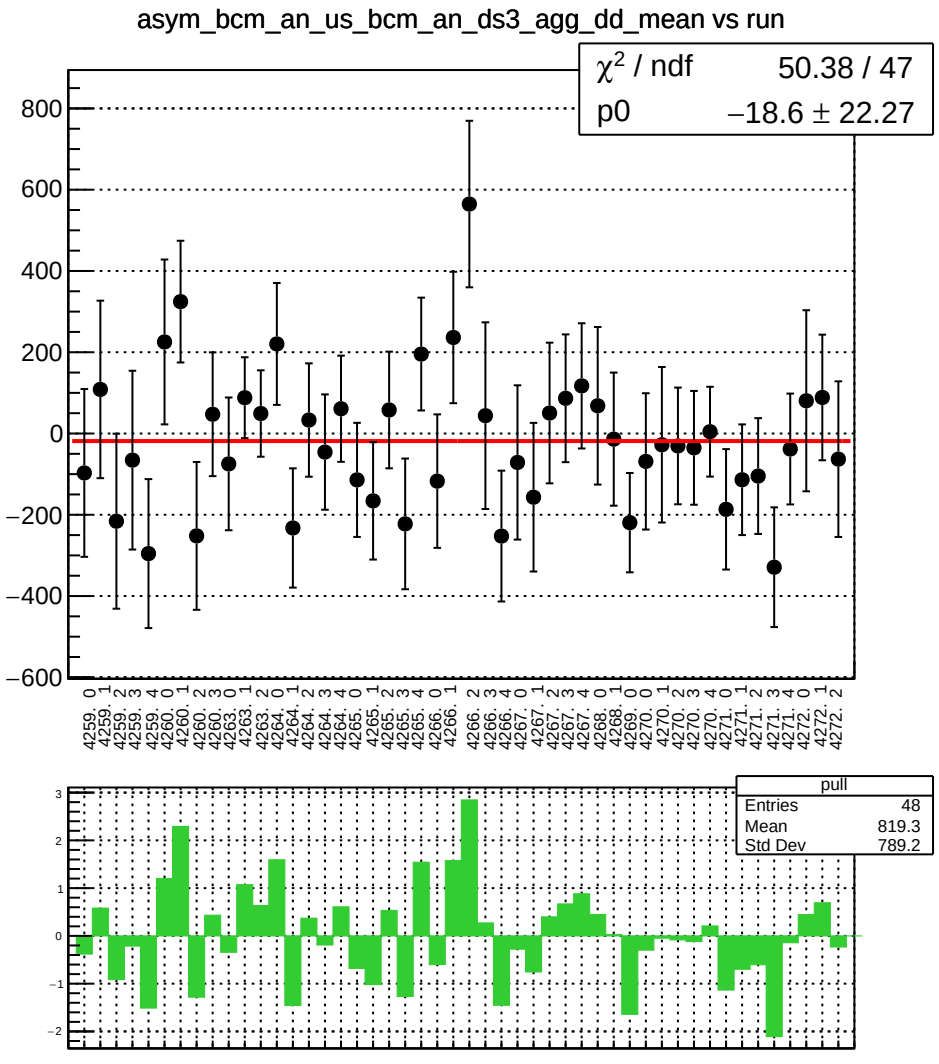

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.894e+04 / 47
p0 162 ± 0.1661
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

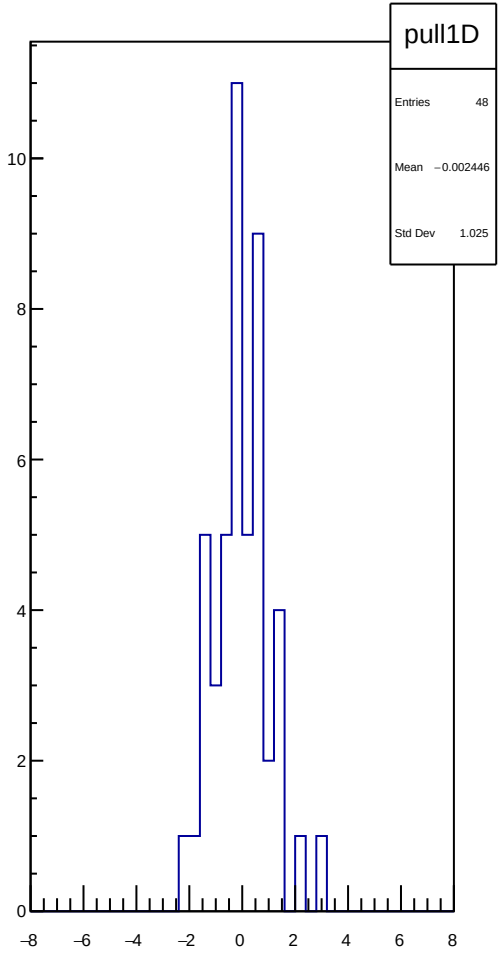

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 60.03 / 47
p0 −5.437 ± 22.64
pull
Entries 48
Mean 349.3
Std Dev 319.1
pull1D
Entries 48
Mean −0.006844
Std Dev 1.118

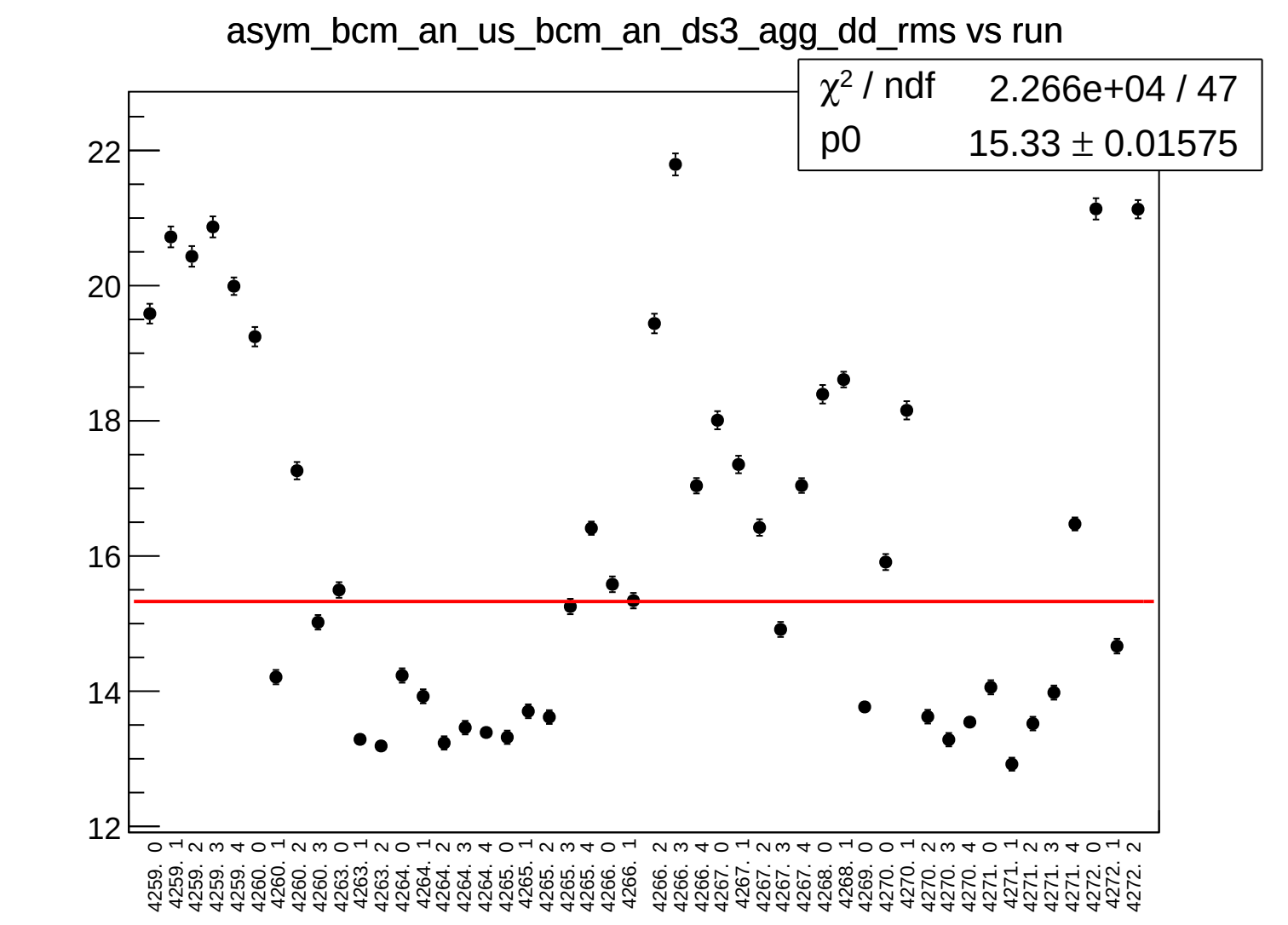

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.155e+04 / 47
p0 15.59 ± 0.01601
22
20
18
16
14
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

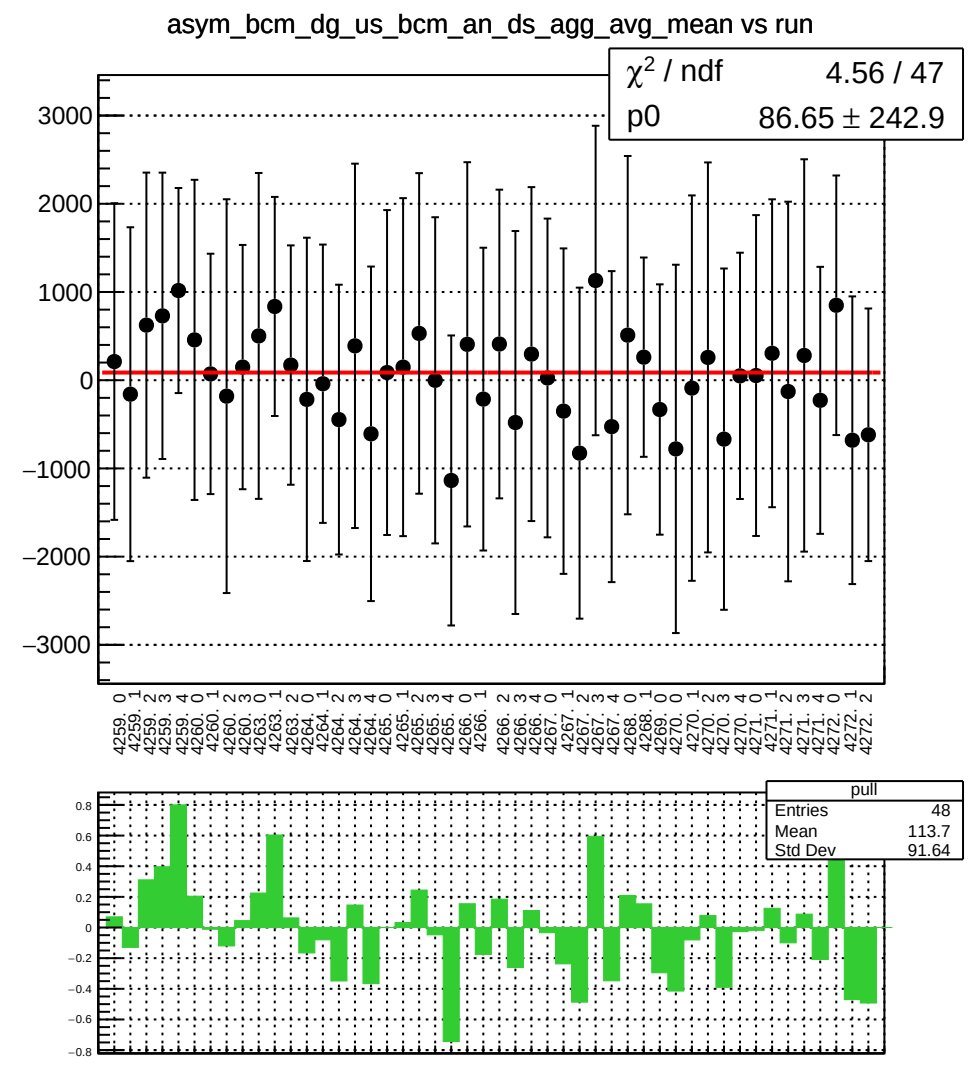

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 3.918 / 47
p0 28.13 ± 236.7
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 179.4
Std Dev 153.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.004417
Std Dev 0.2857
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

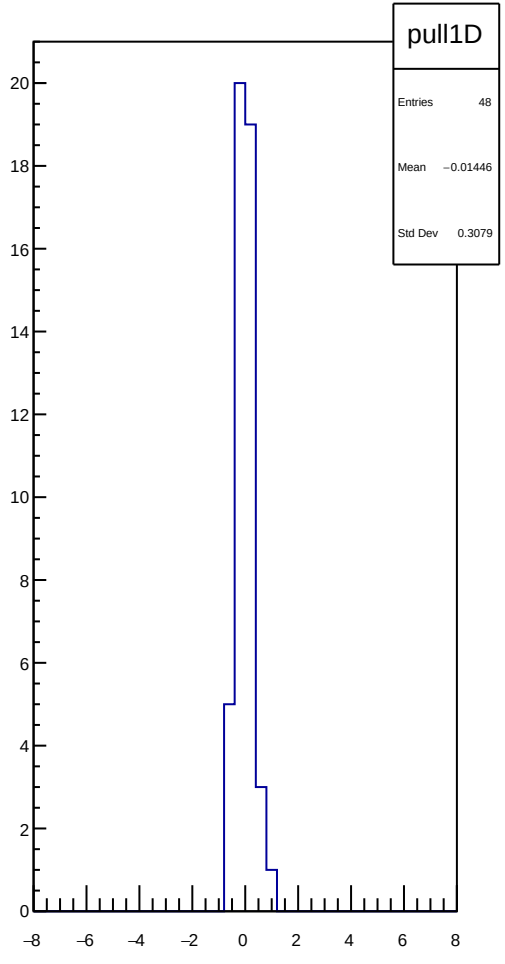

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.901e+04 / 47
p0 163.3 ± 0.1674
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

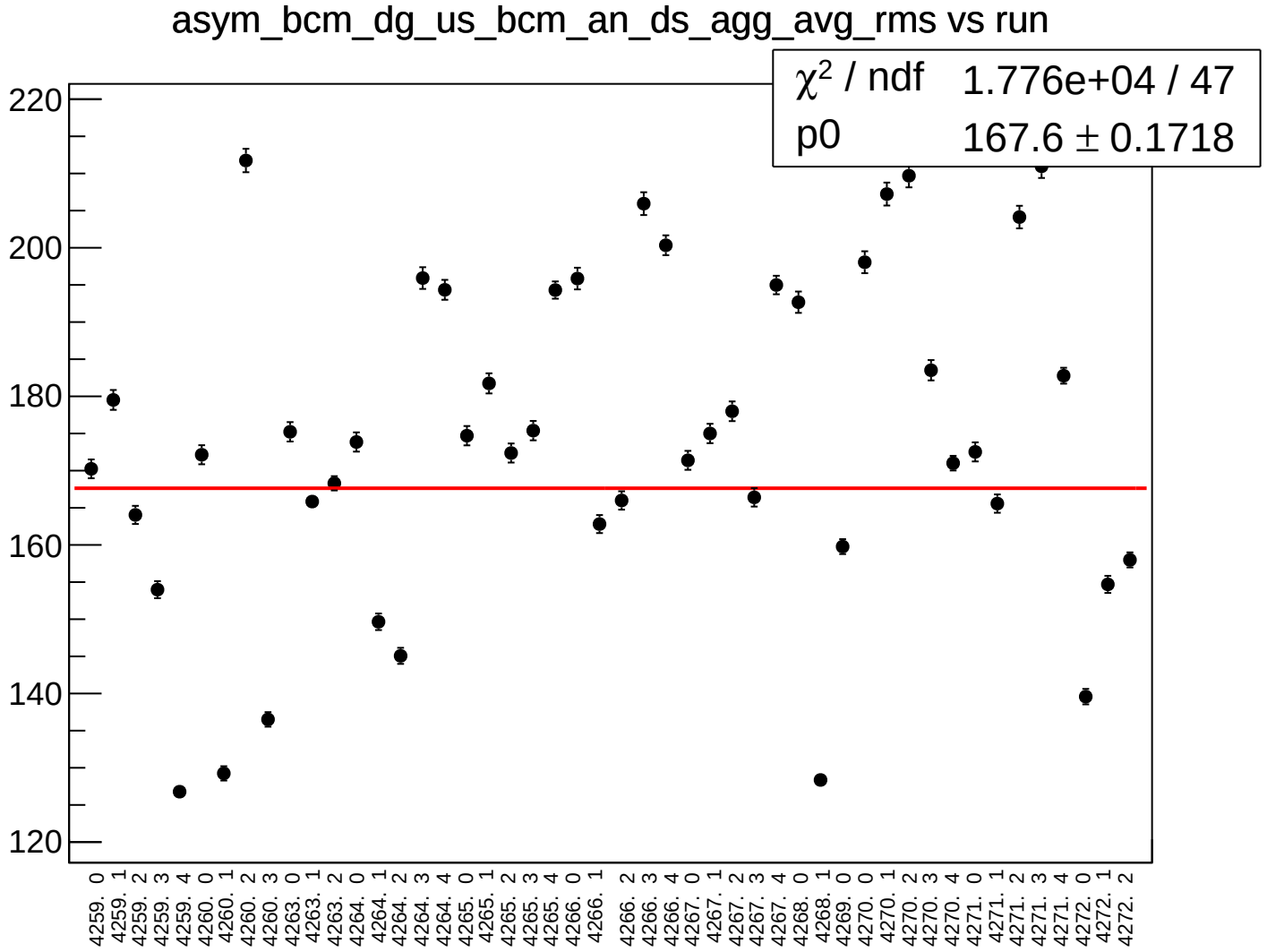

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 50.38 / 47
p0 −18.6 ± 22.27
pull
Entries 48
Mean 819.3
Std Dev 789.2

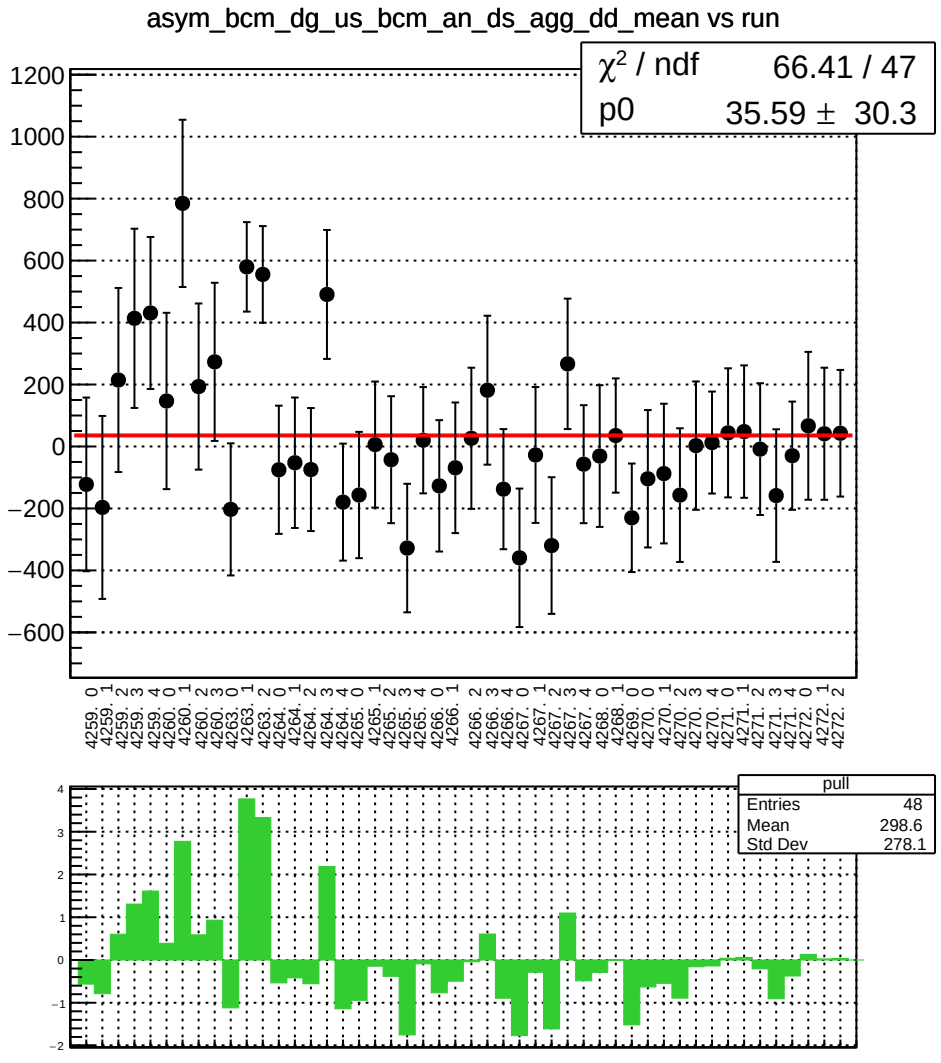

pull1D
Entries 48
Mean −0.002446
Std Dev 1.025

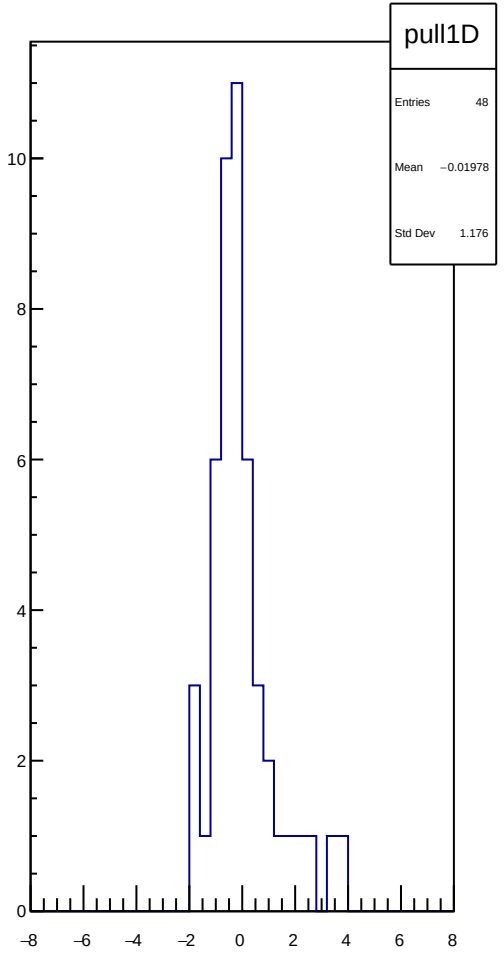

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.266e+04 / 47
p0 15.33 ± 0.01575
22
20
18
16
14
12
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

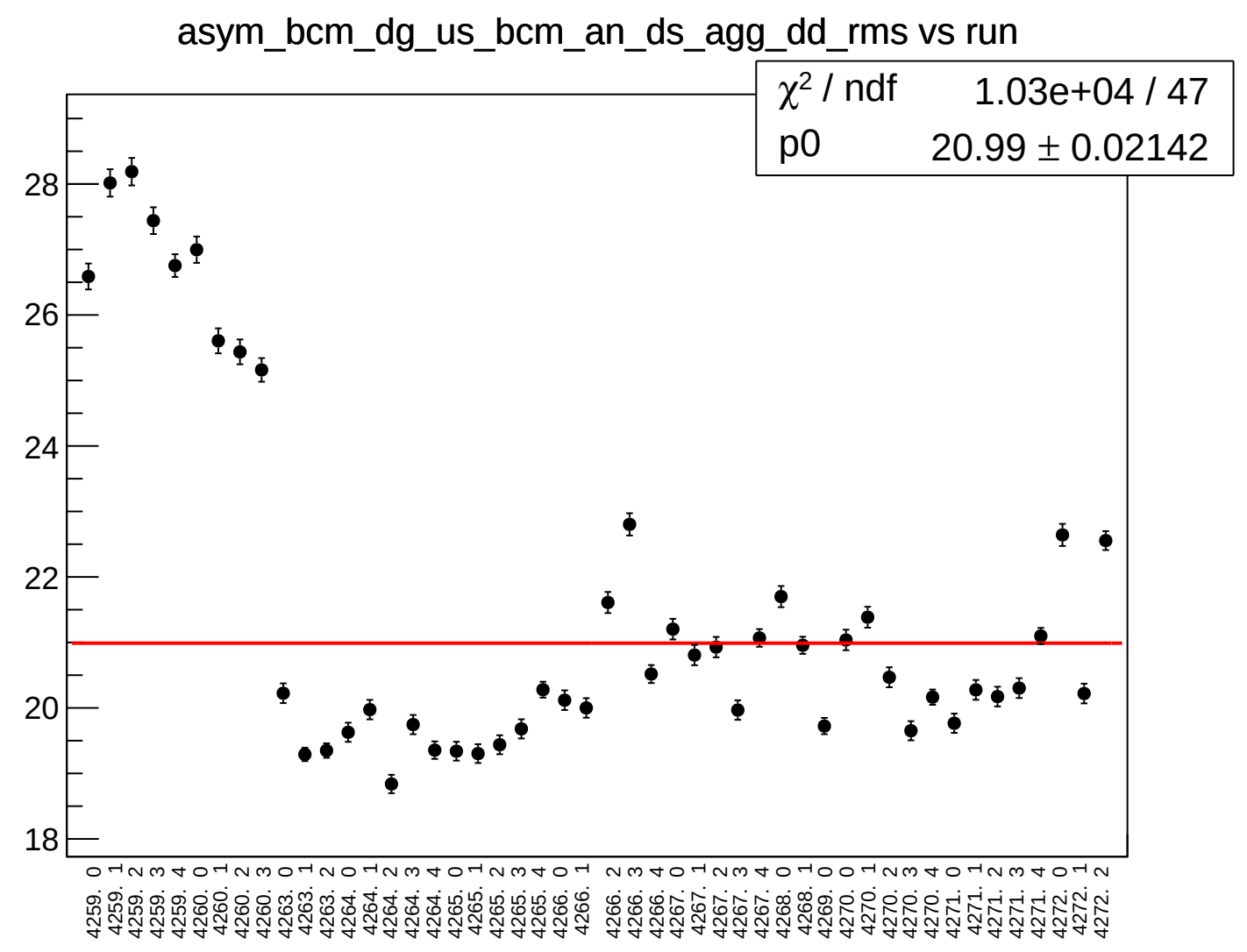

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.56 / 47
p0 86.65 ± 242.9
pull
Entries 48
Mean 113.7
Std Dev 91.64

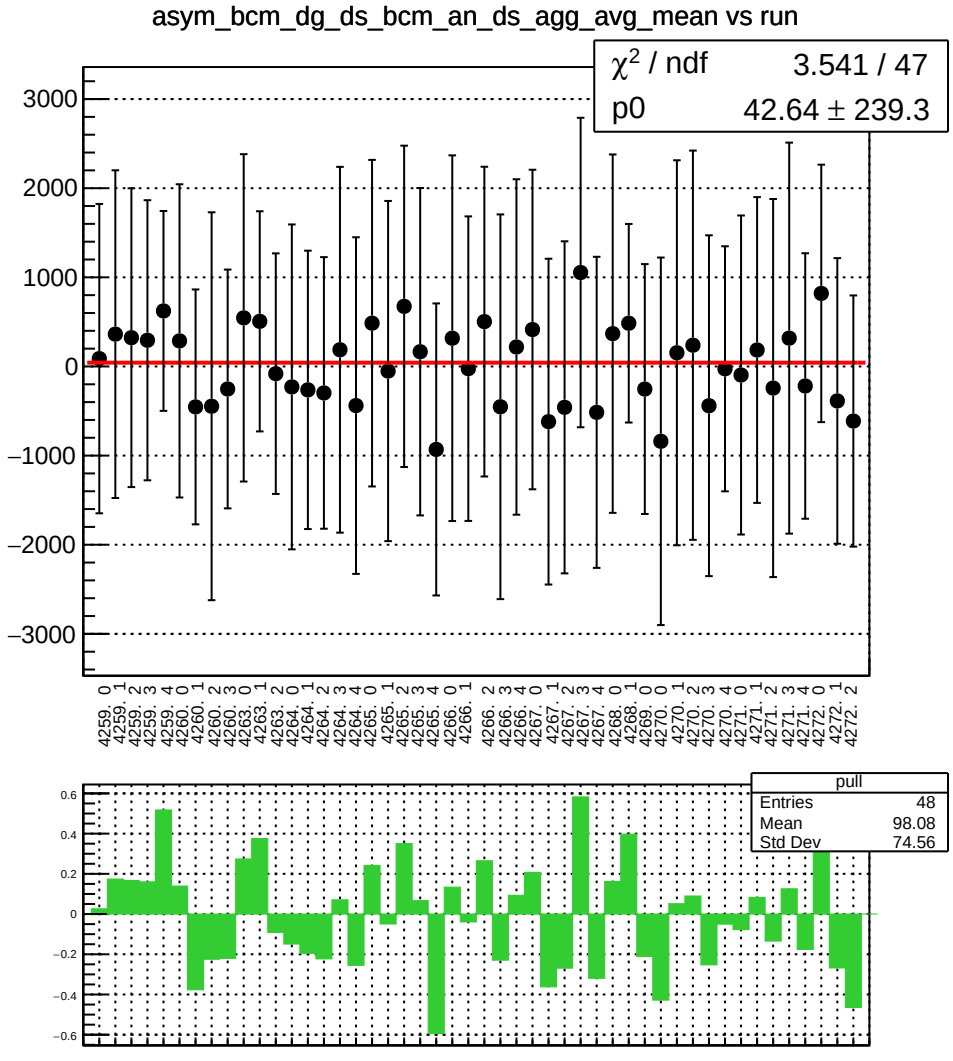

pull1D
Entries 48
Mean −0.01446
Std Dev 0.3079

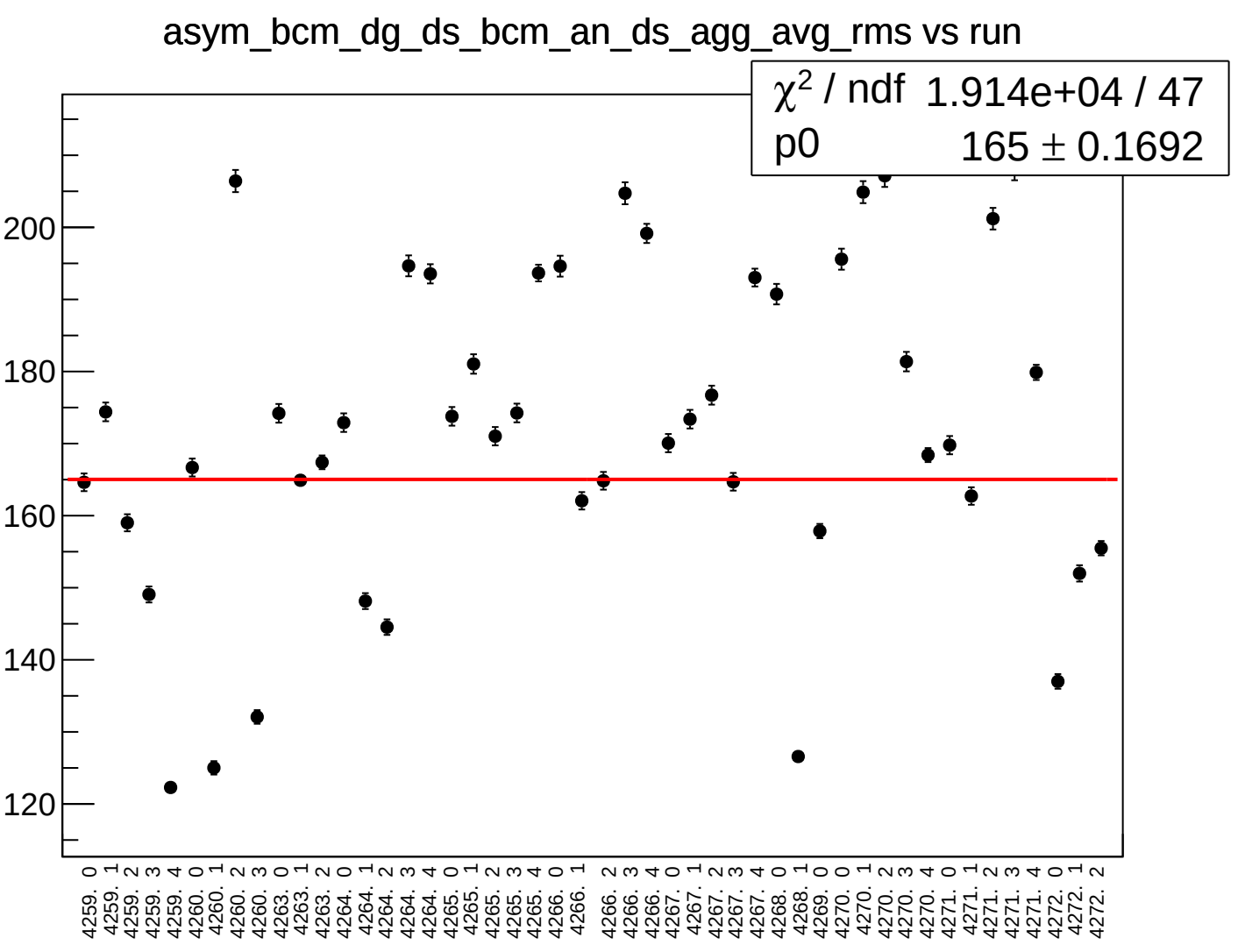

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.776e+04 / 47
p0 167.6 ± 0.1718
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

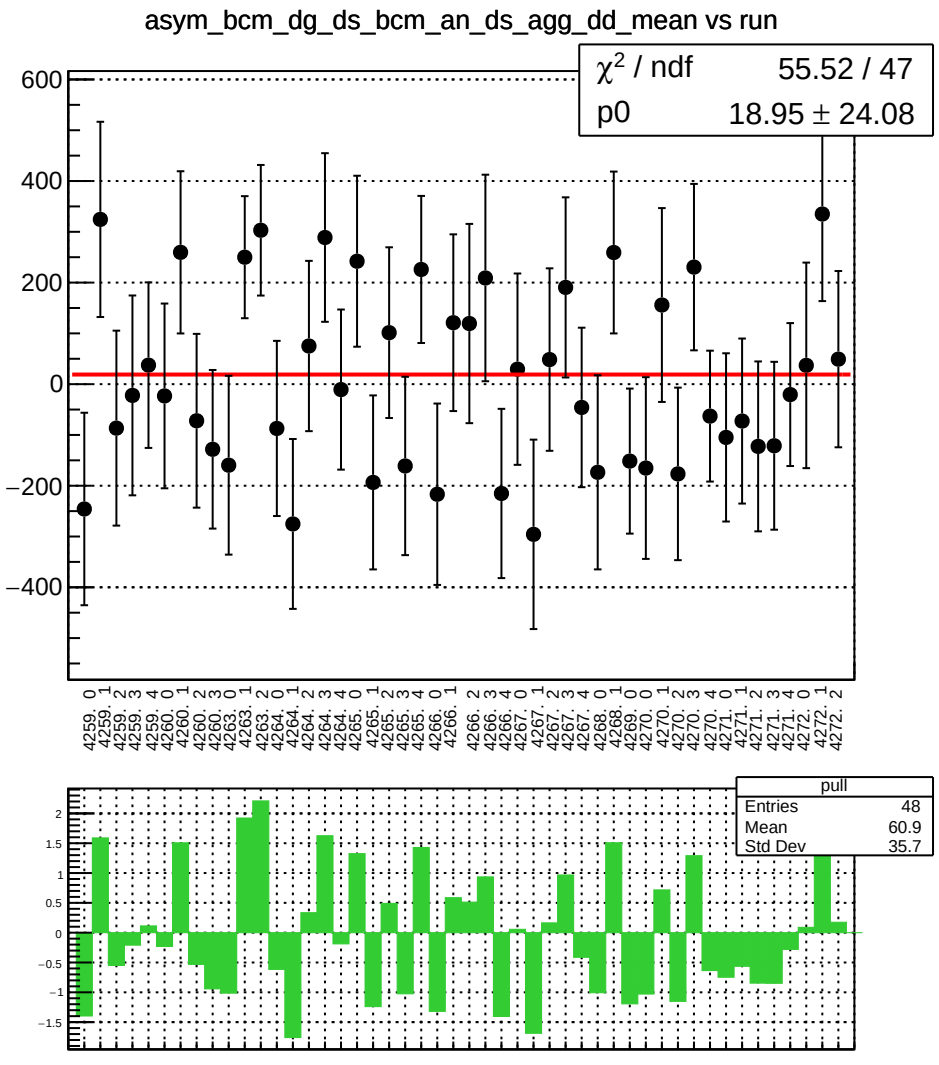

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 66.41 / 47
p0 35.59 ± 30.3
pull
Entries 48
Mean 298.6
Std Dev 278.1

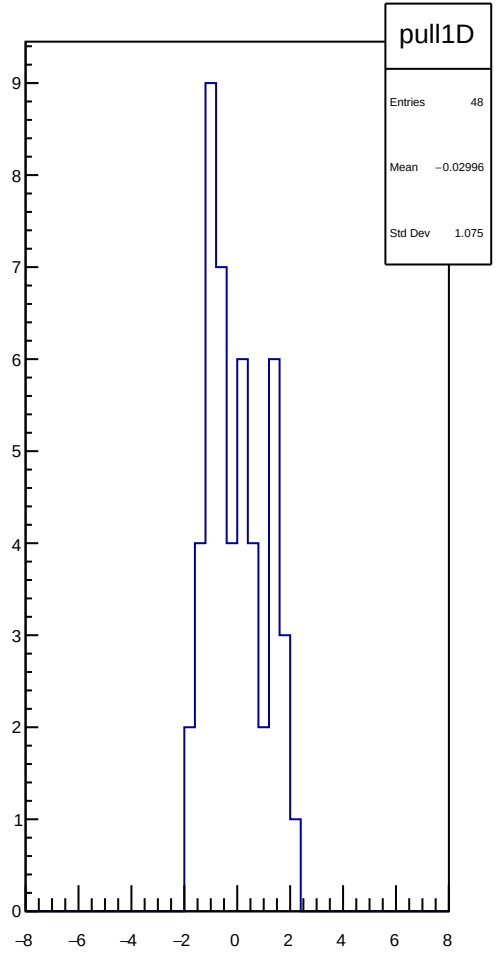

pull1D
Entries 48
Mean −0.01978
Std Dev 1.176

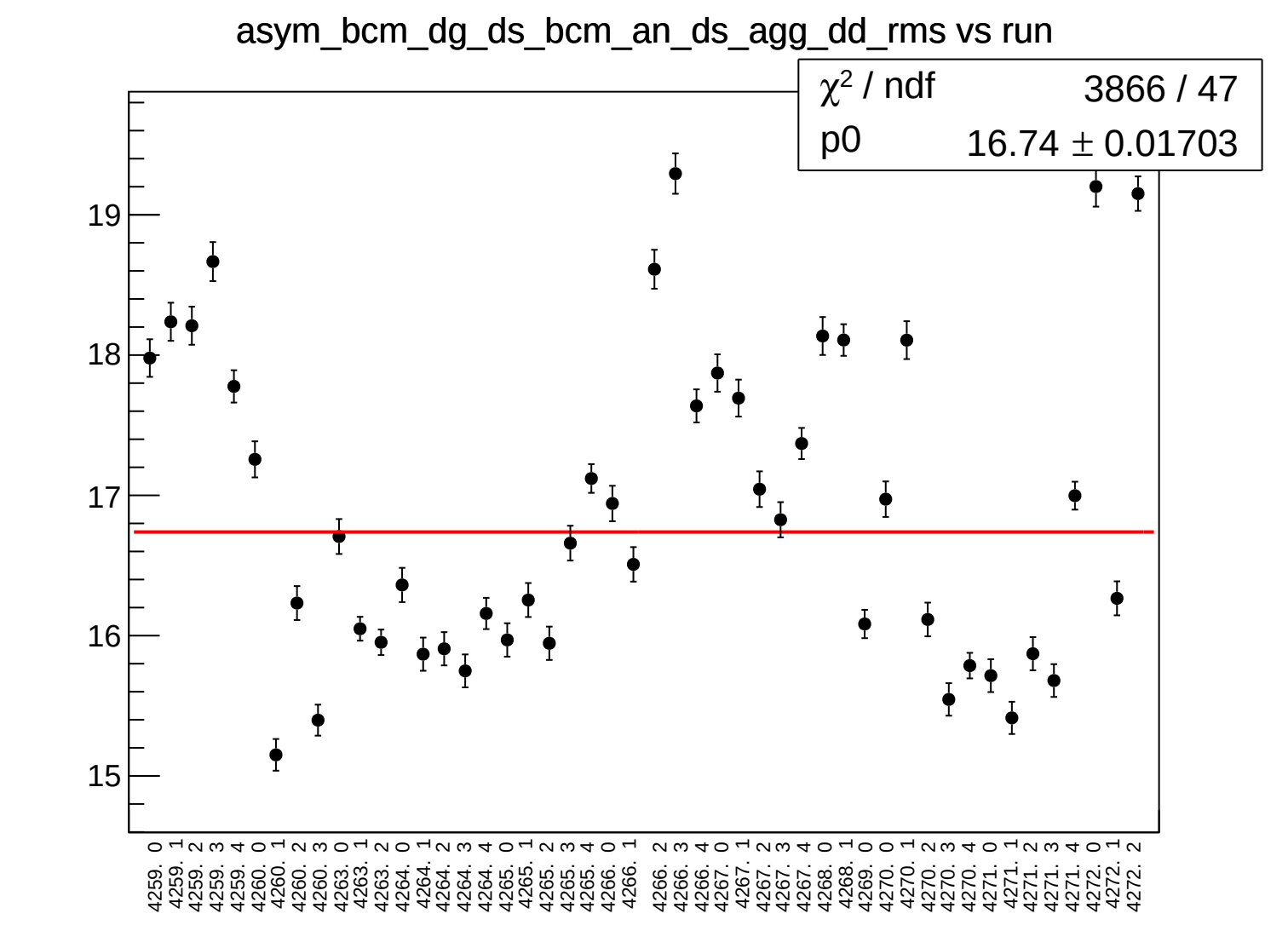

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.03e+04 / 47
p0 20.99 ± 0.02142
28
26
24
22
20
18
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

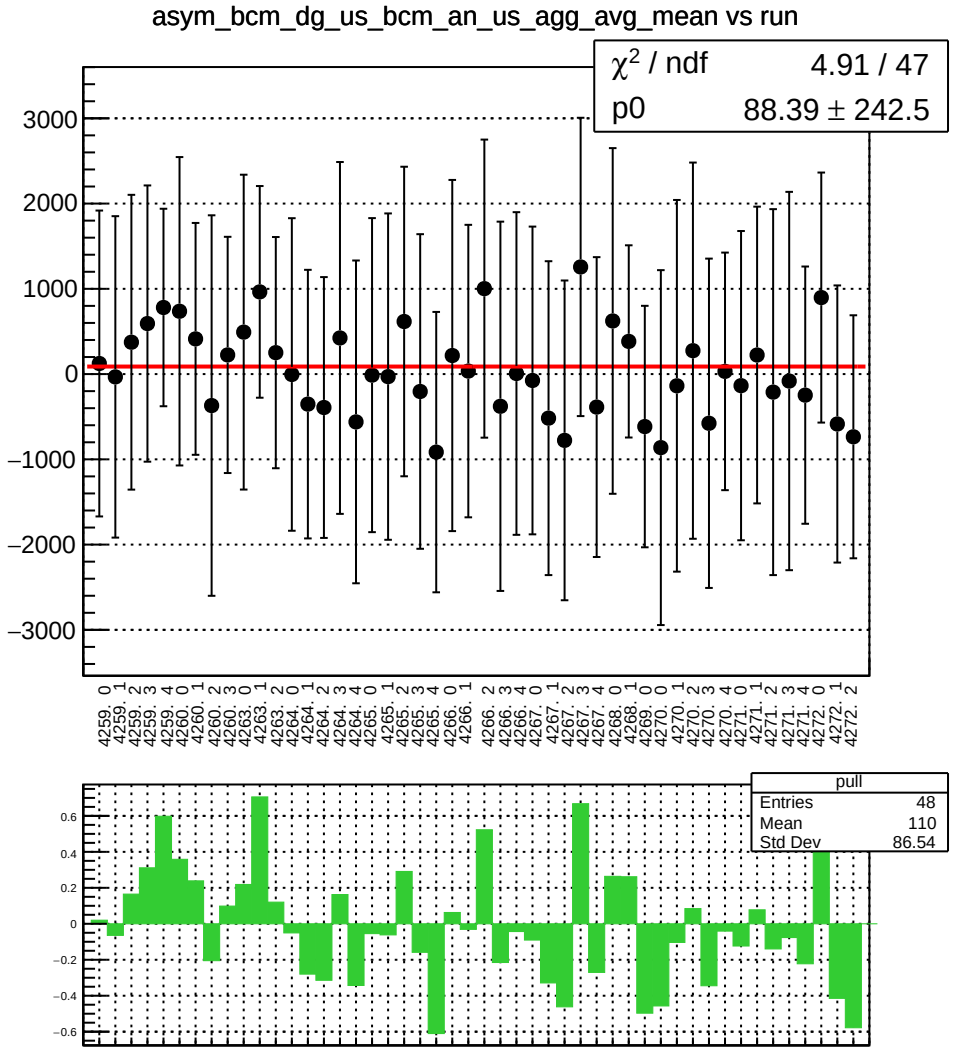

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 3.541 / 47
p0 42.64 ± 239.3
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 98.08
Std Dev 74.56
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.007665
Std Dev 0.2715
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

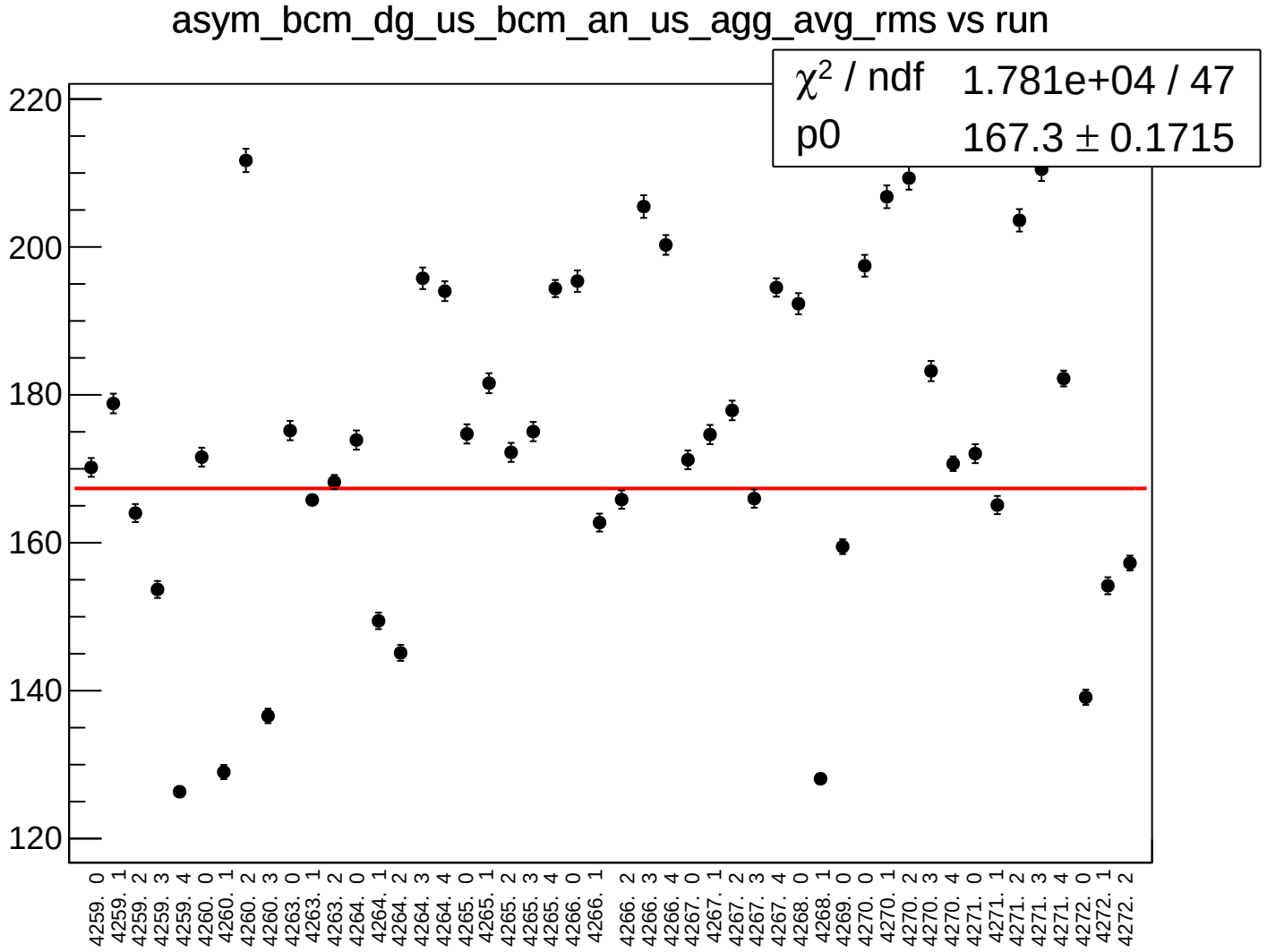

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.914e+04 / 47
p0 165 ± 0.1692
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

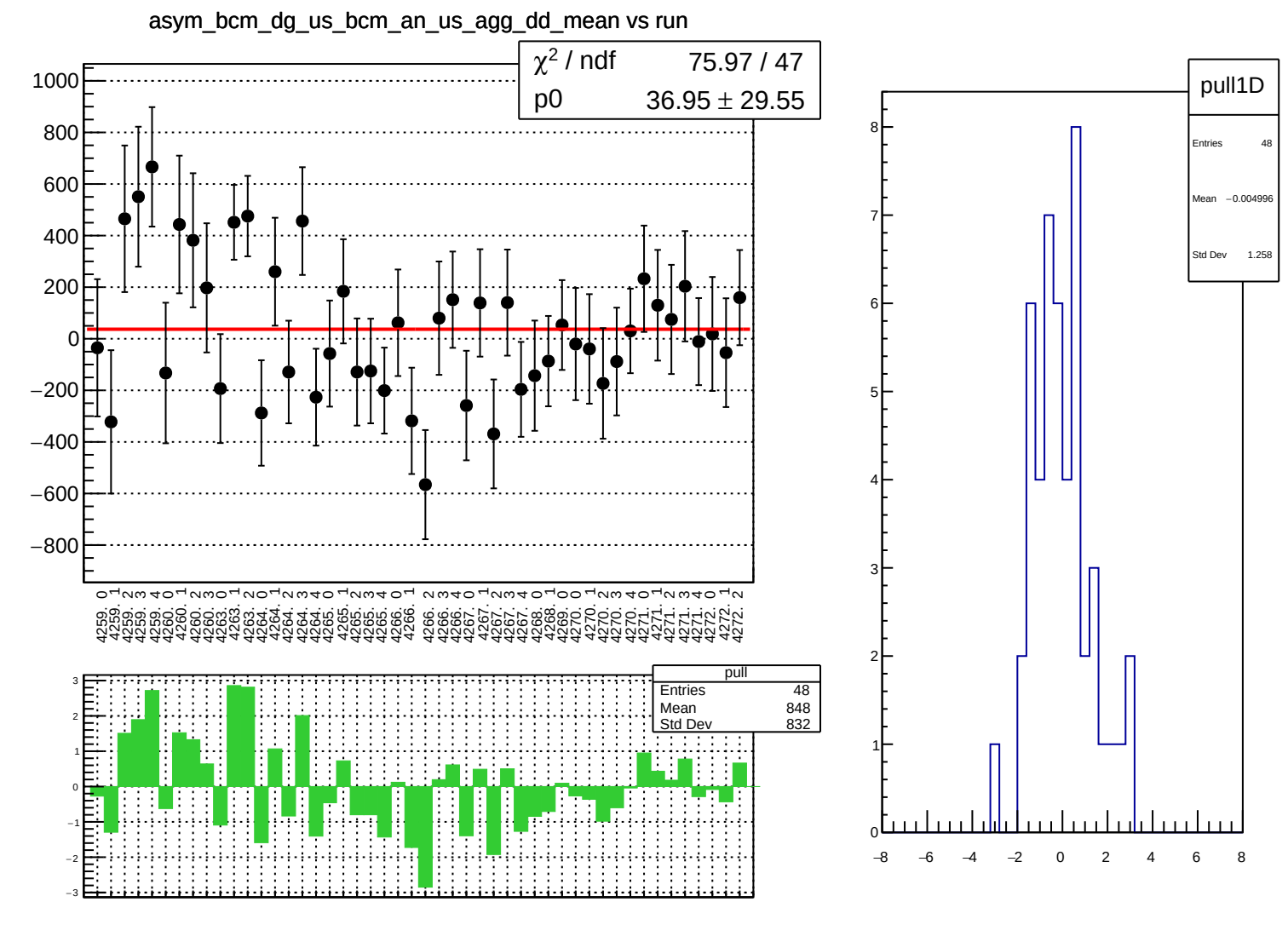

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 55.52 / 47
p0 18.95 ± 24.08
pull
Entries 48
Mean 60.9
Std Dev 35.7

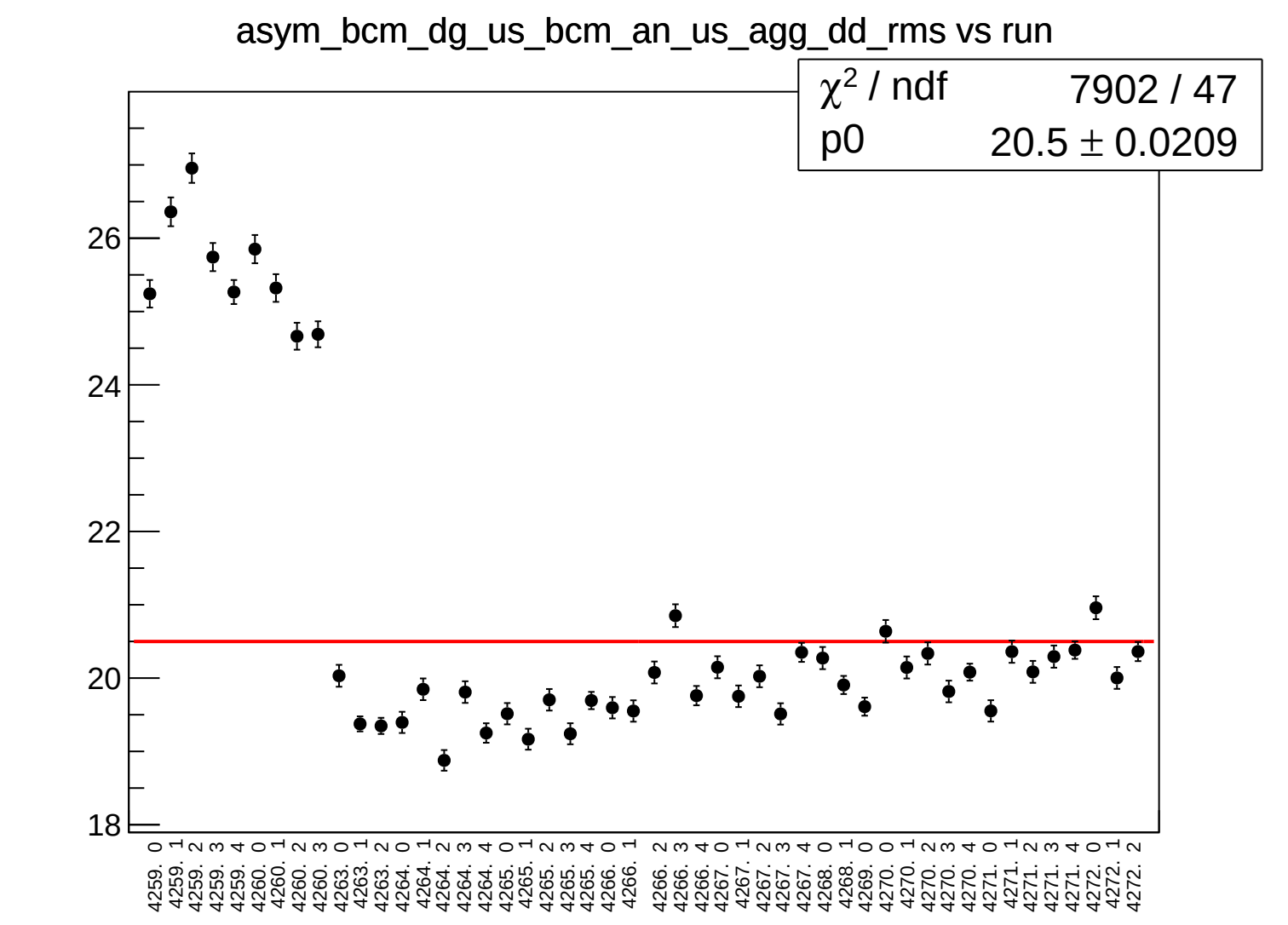

pull1D
Entries 48
Mean −0.02996
Std Dev 1.075

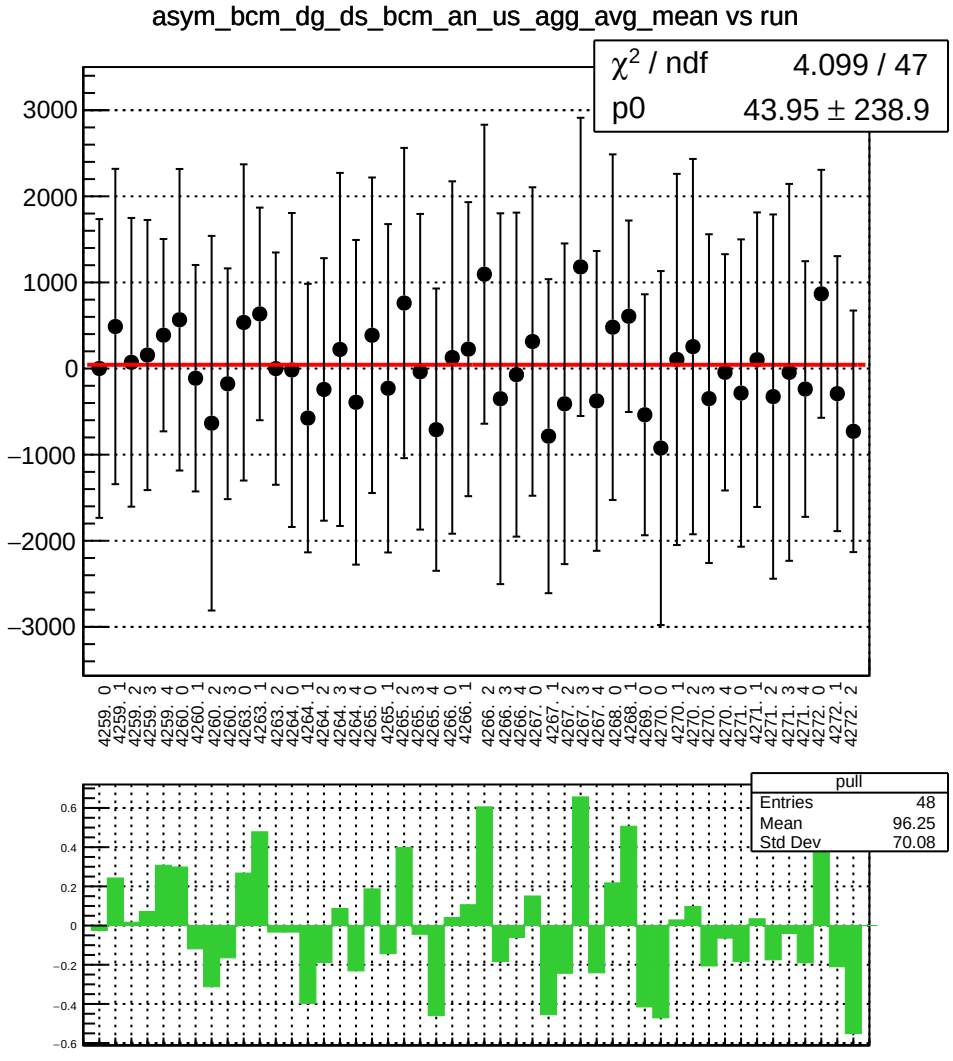

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3866 / 47
p0 16.74 ± 0.01703
19
18
17
16
15
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

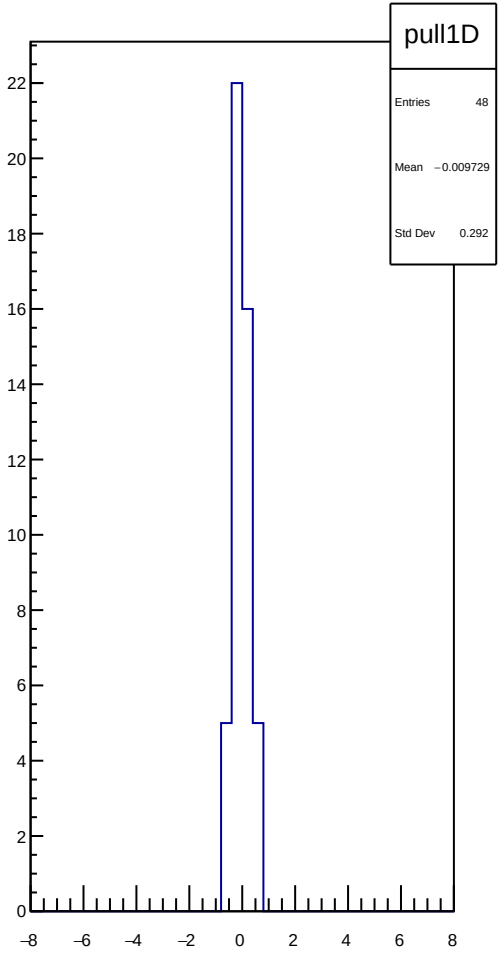

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.91 / 47
p0 88.39 ± 242.5
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 110
Std Dev 86.54
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.01666
Std Dev 0.3194
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

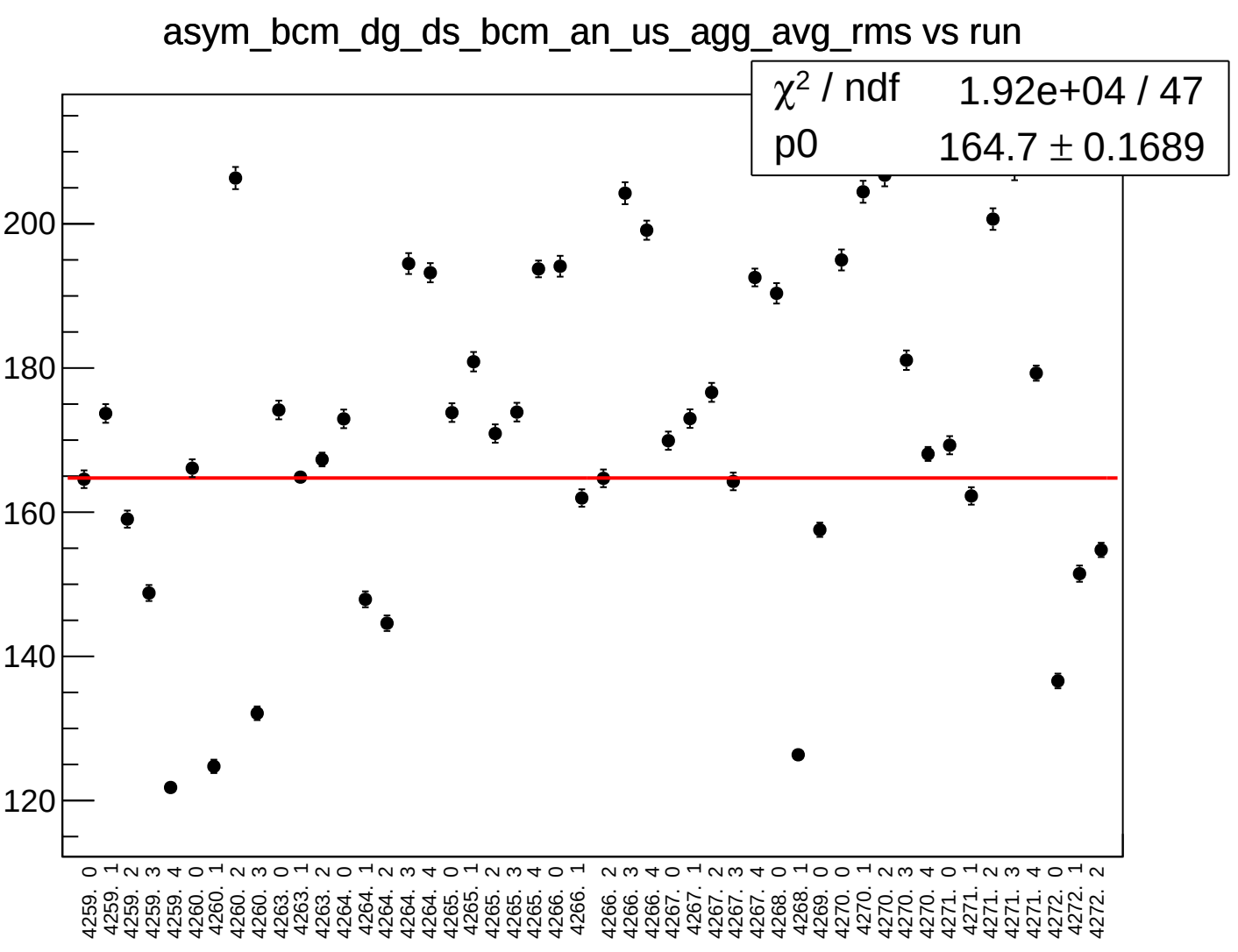

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.781e+04 / 47
p0 167.3 ± 0.1715
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

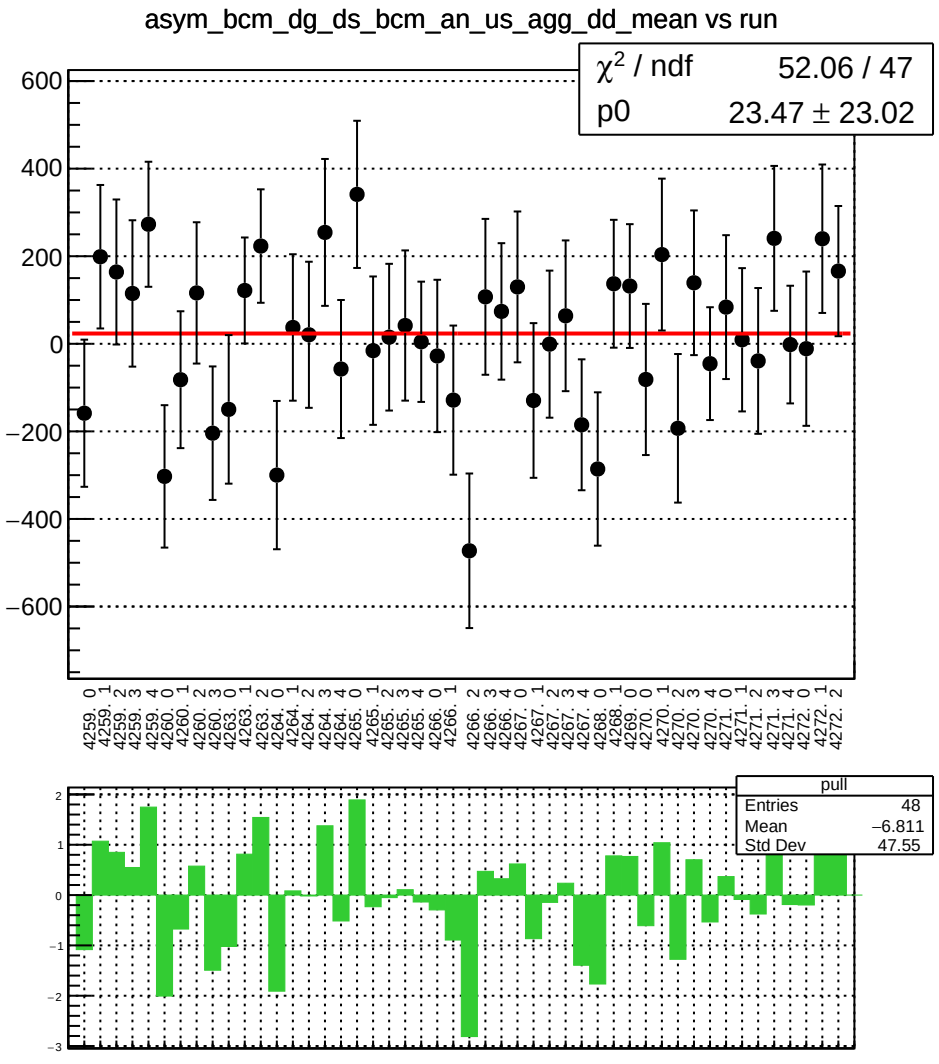

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 75.97 / 47
p0 36.95 ± 29.55
pull
Entries 48
Mean 848
Std Dev 832
pull1D
Entries 48
Mean −0.004996
Std Dev 1.258

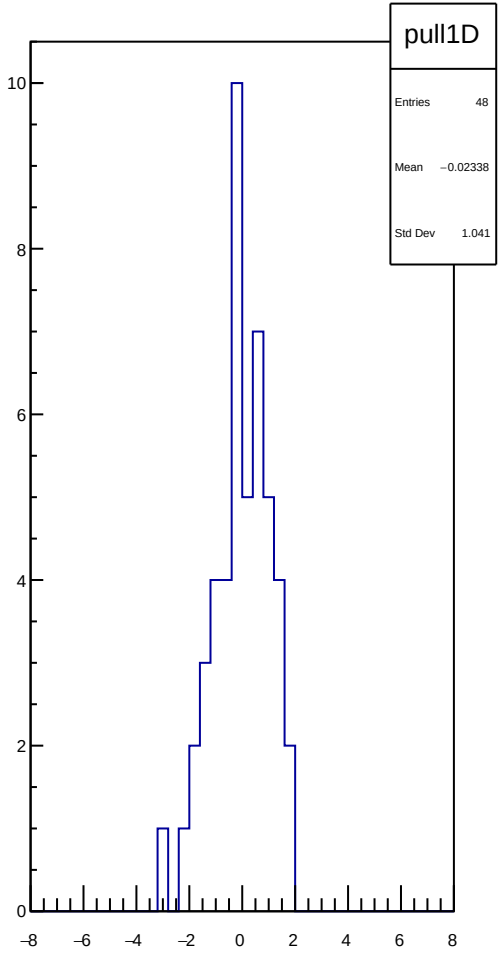

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 7902 / 47
p0 20.5 ± 0.0209
26
24
22
20
18
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

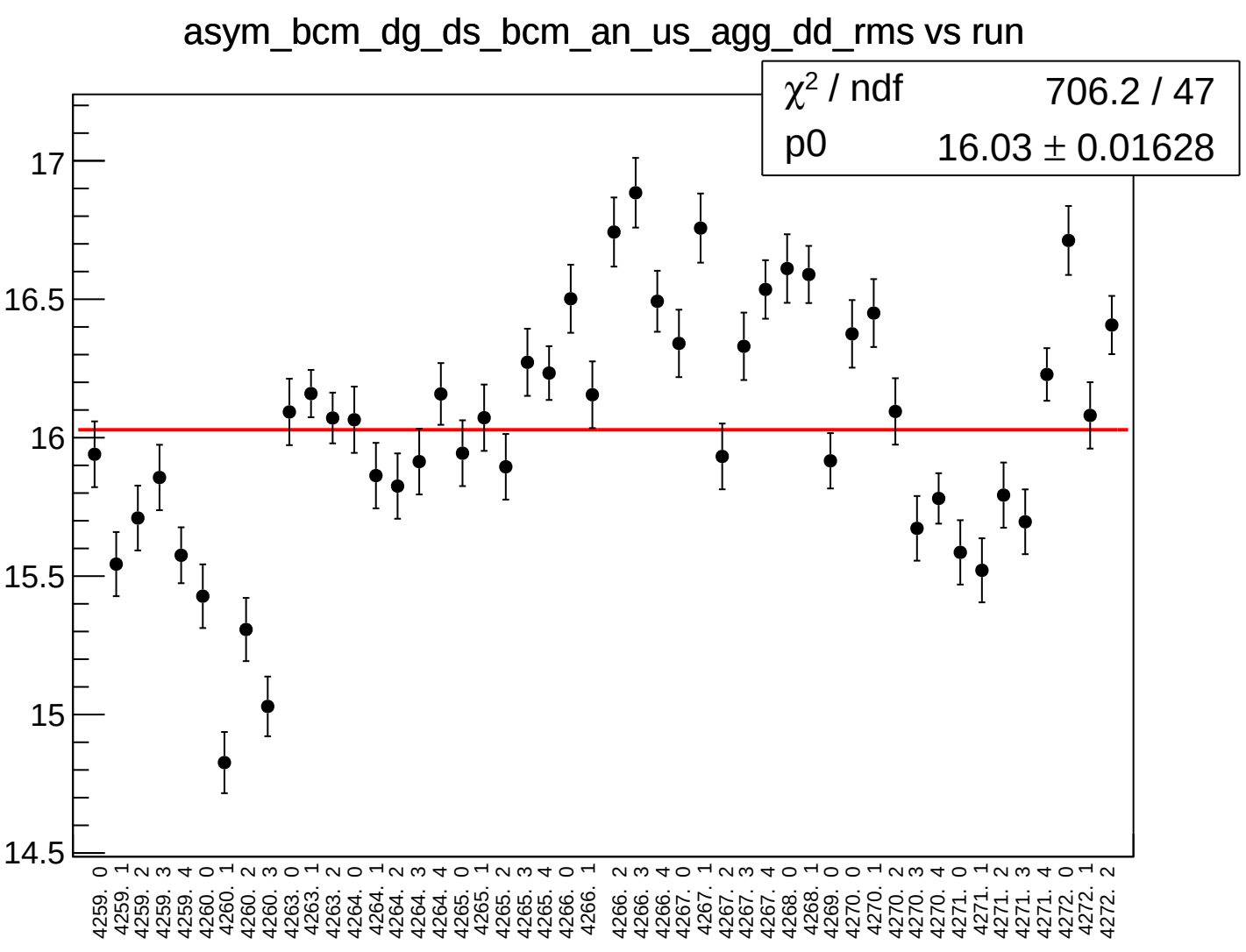

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.099 / 47
p0 43.95 ± 238.9
pull
Entries 48
Mean 96.25
Std Dev 70.08

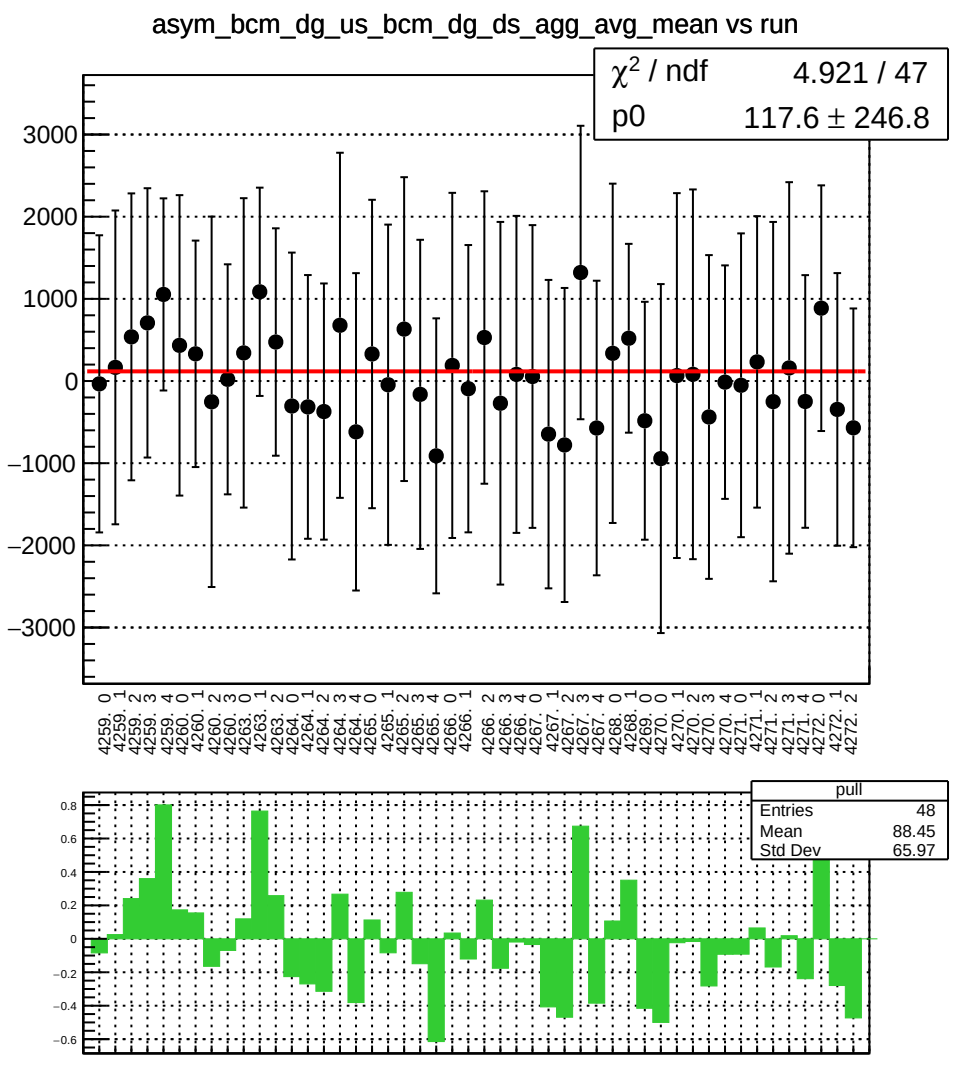

pull1D
Entries 48
Mean −0.009729
Std Dev 0.292

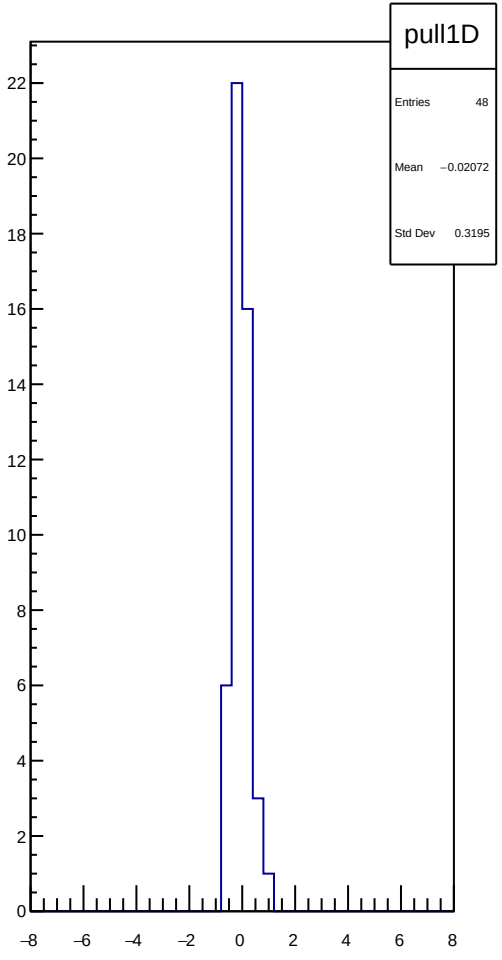

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.92e+04 / 47
p0 164.7 ± 0.1689
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

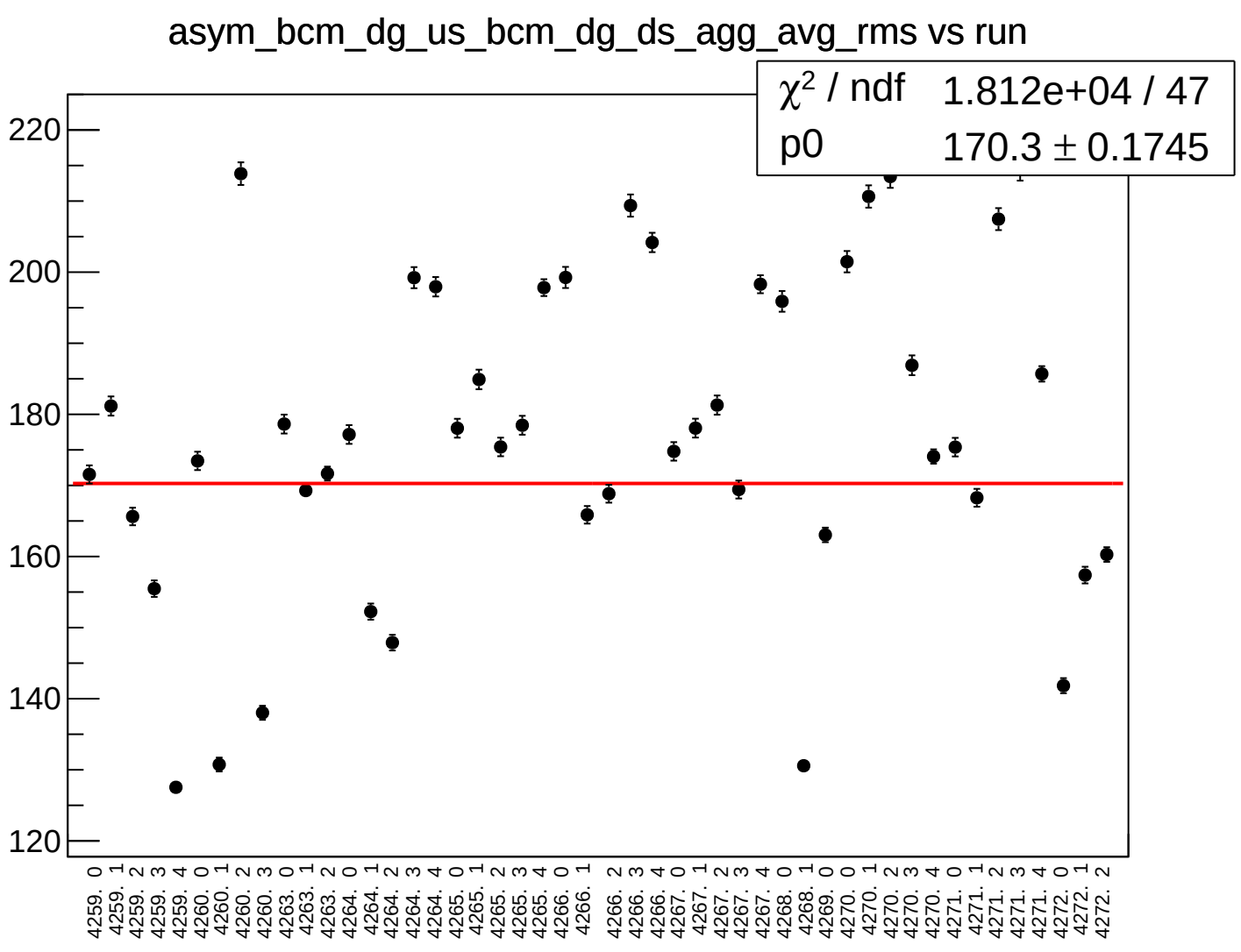

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 52.06 / 47
p0 23.47 ± 23.02
pull
Entries 48
Mean −6.811
Std Dev 47.55


pull1D
Entries 48
Mean −0.02338
Std Dev 1.041


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 706.2 / 47
p0 16.03 ± 0.01628
17
16.5
16
15.5
15
14.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.921 / 47
p0 117.6 ± 246.8
pull
Entries 48
Mean 88.45
Std Dev 65.97


pull1D
Entries 48
Mean −0.02072
Std Dev 0.3195


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.812e+04 / 47
p0 170.3 ± 0.1745
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
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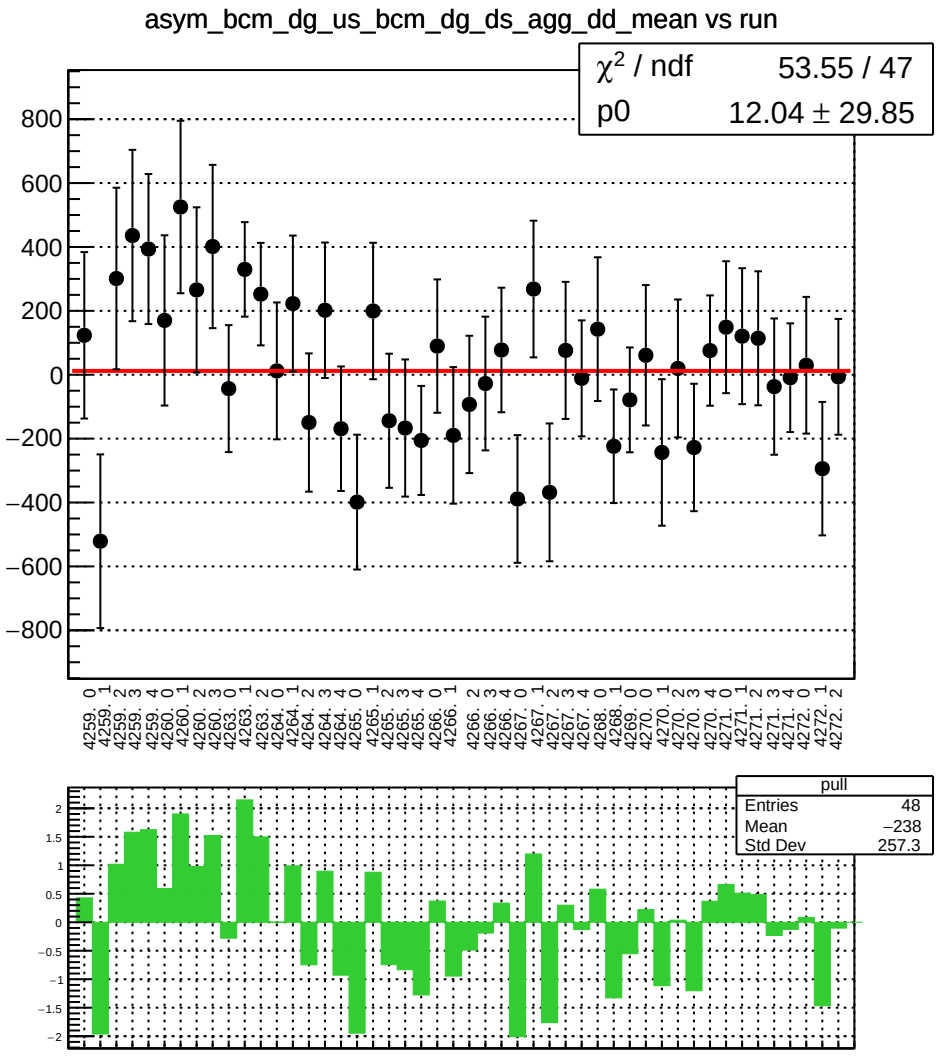
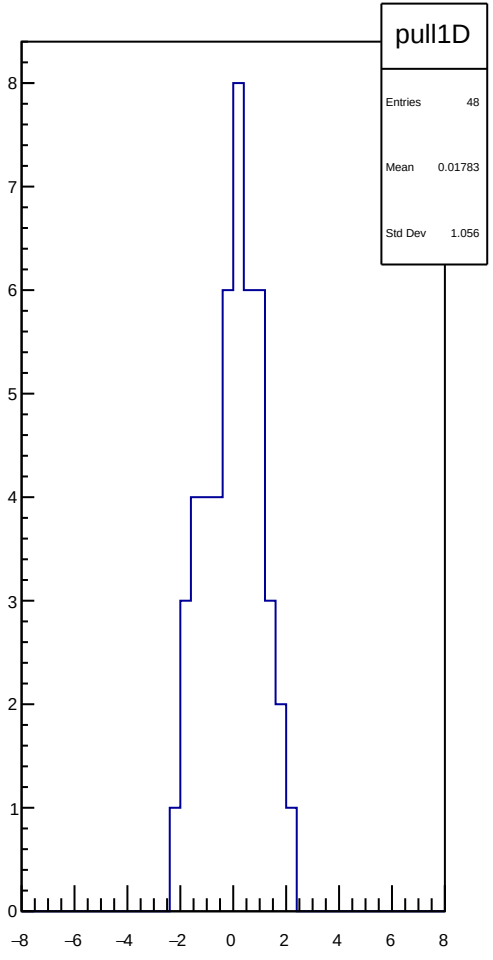
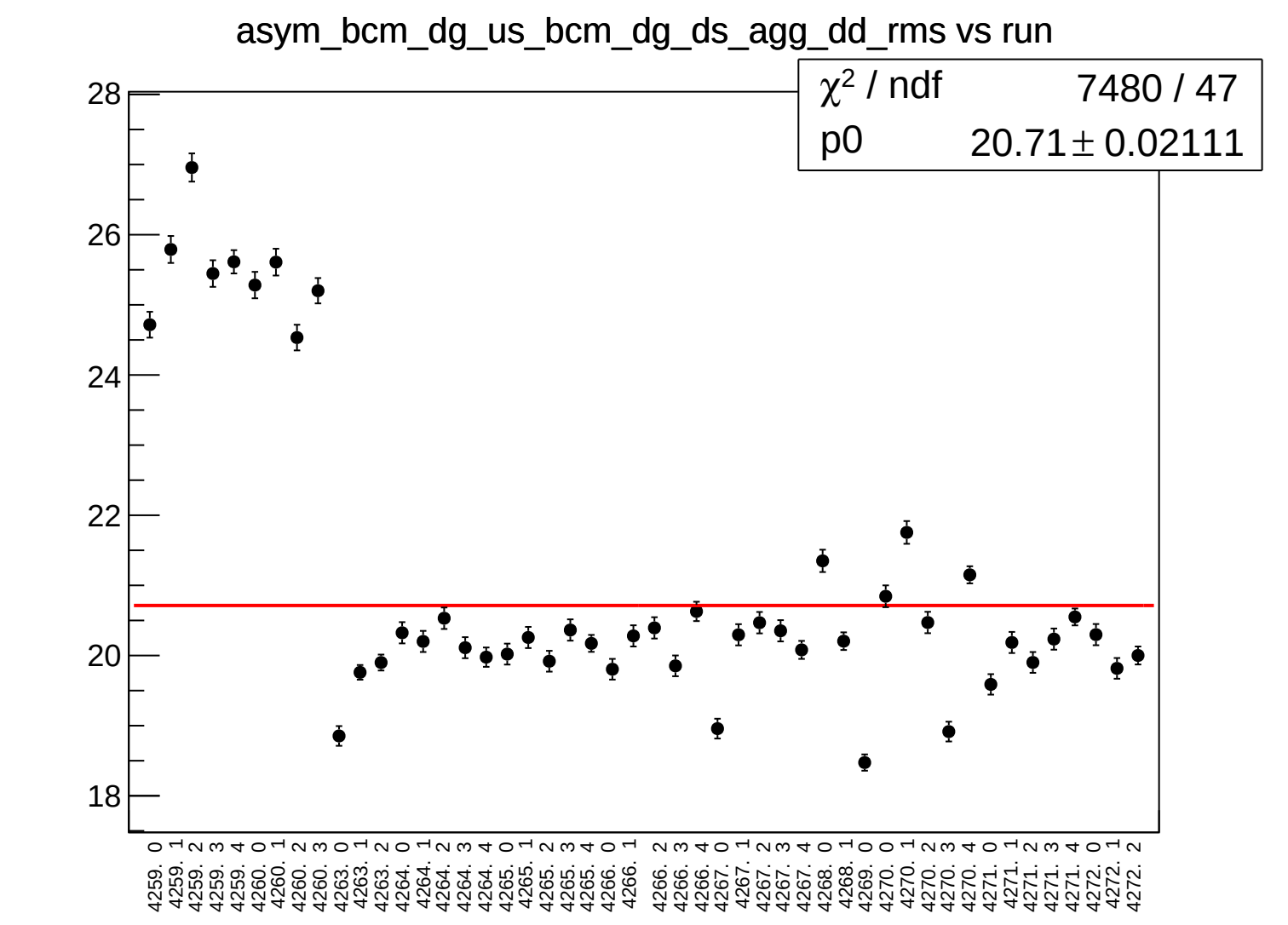
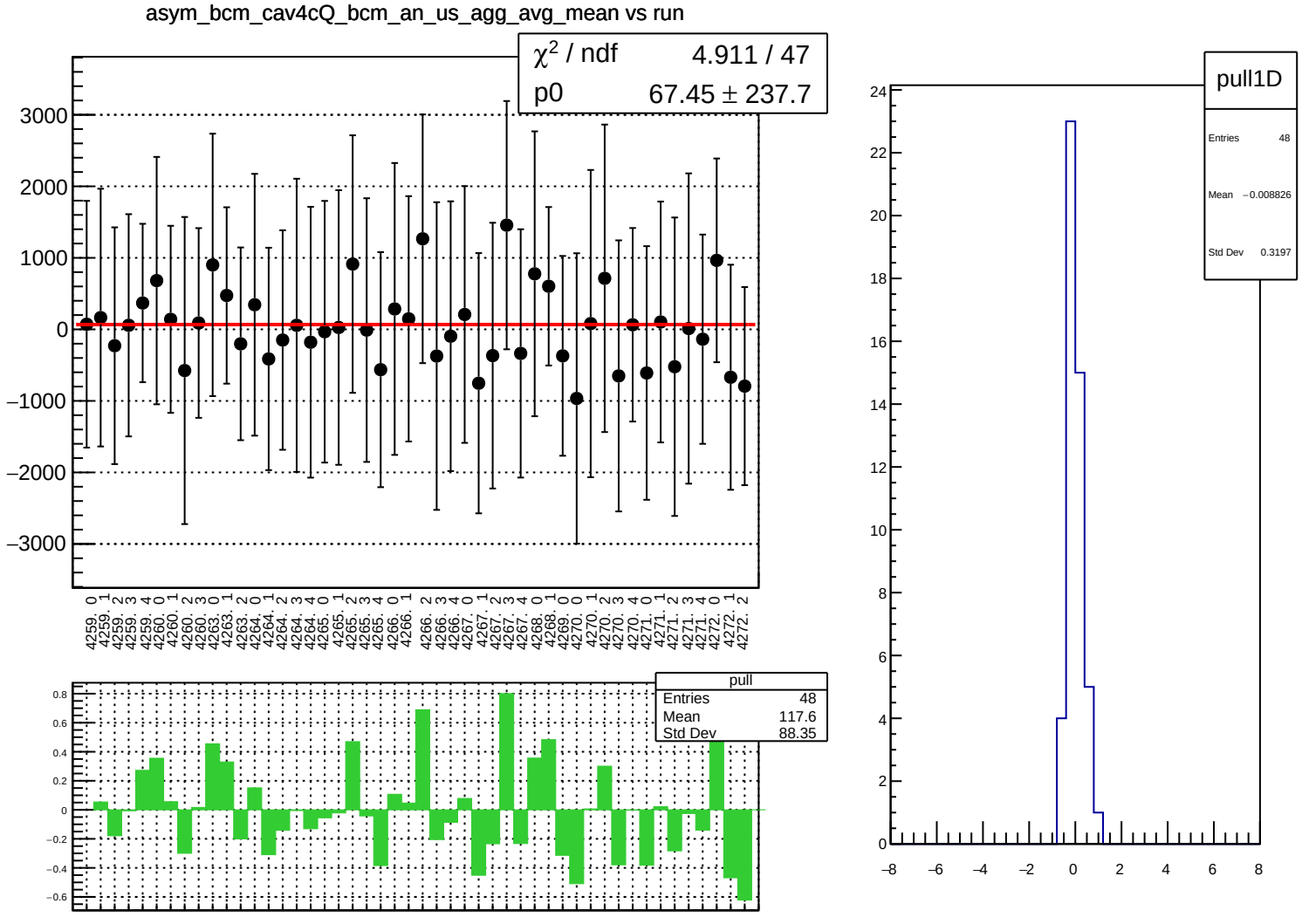
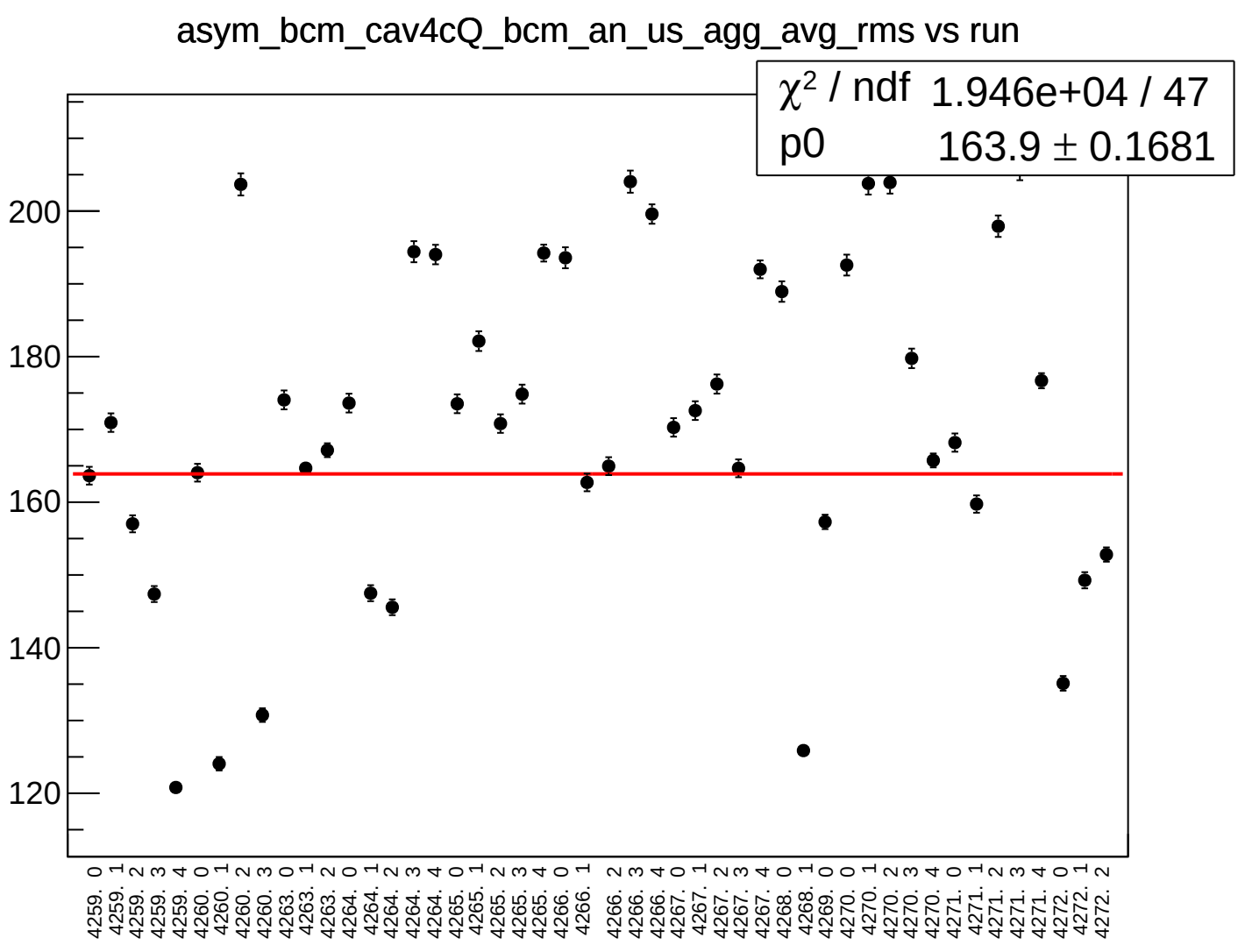
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

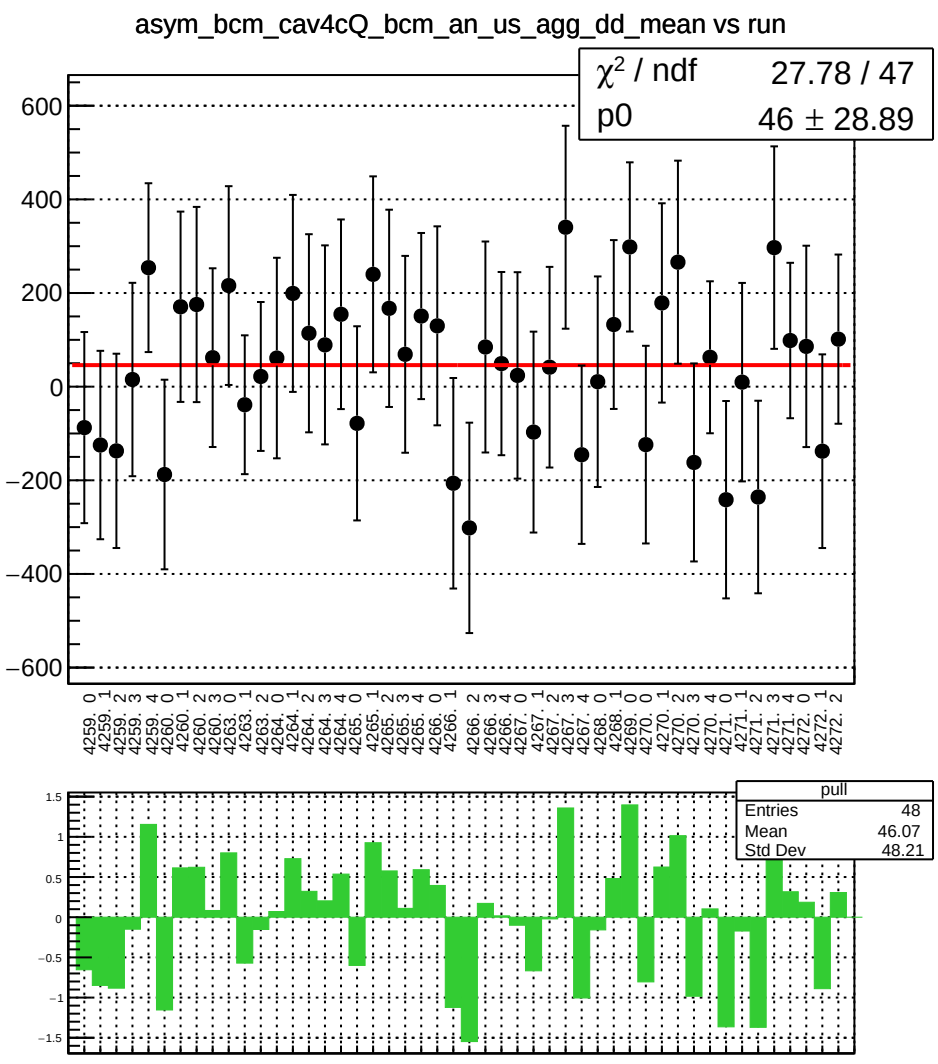

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.55 / 47
p0 12.04 ± 29.85
pull
Entries 48
Mean −238
Std Dev 257.3

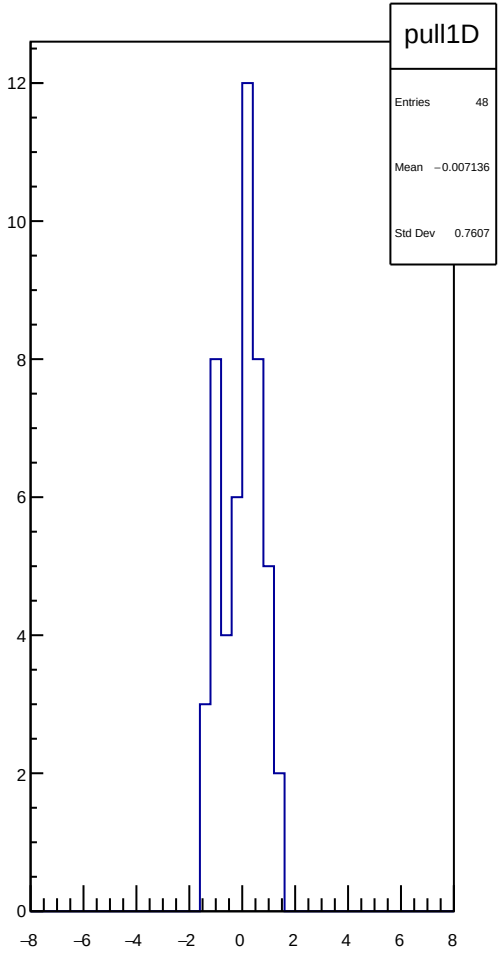

pull1D
Entries 48
Mean 0.01783
Std Dev 1.056

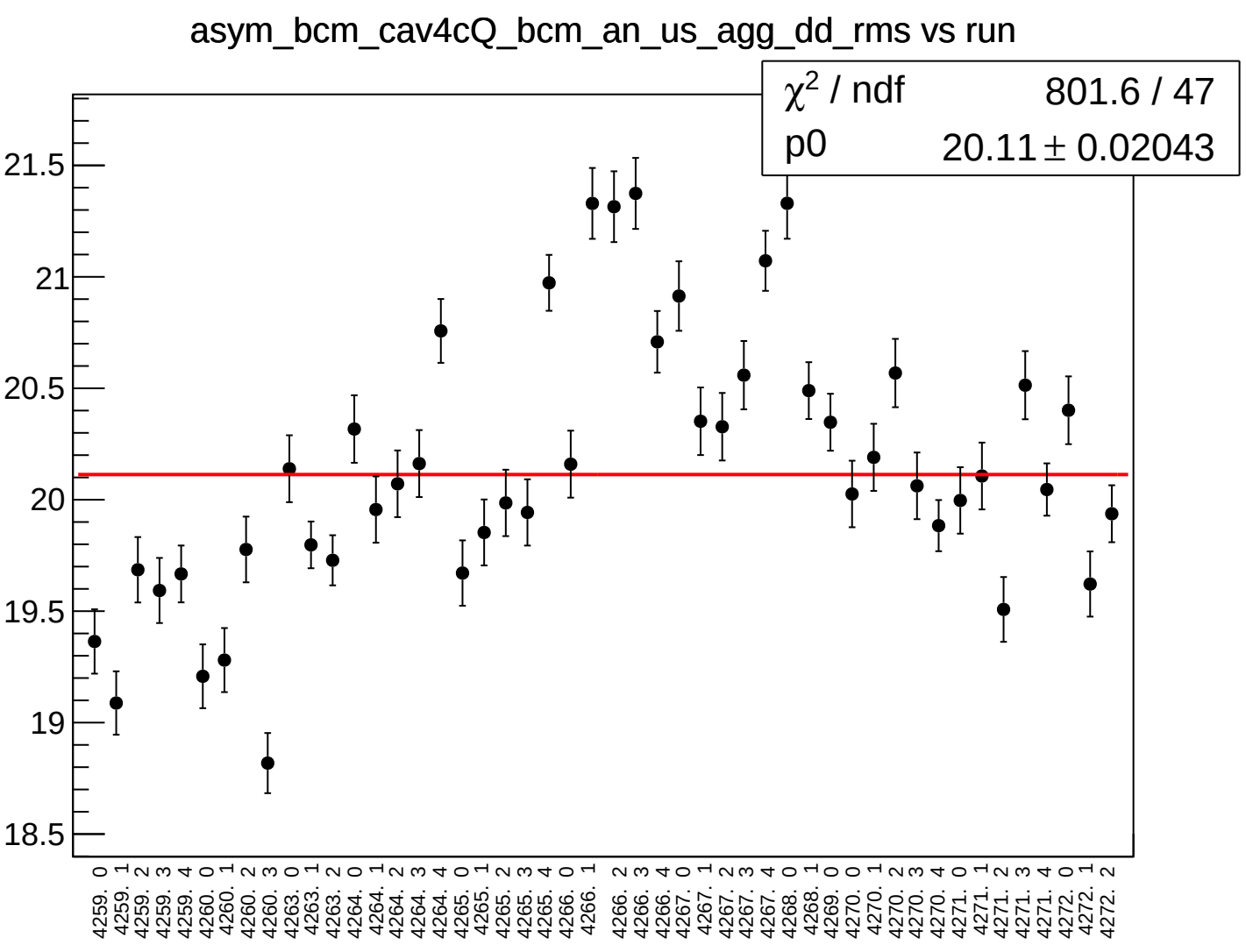

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 7480 / 47
p0 20.71 ± 0.02111
28
26
24
22
20
18
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

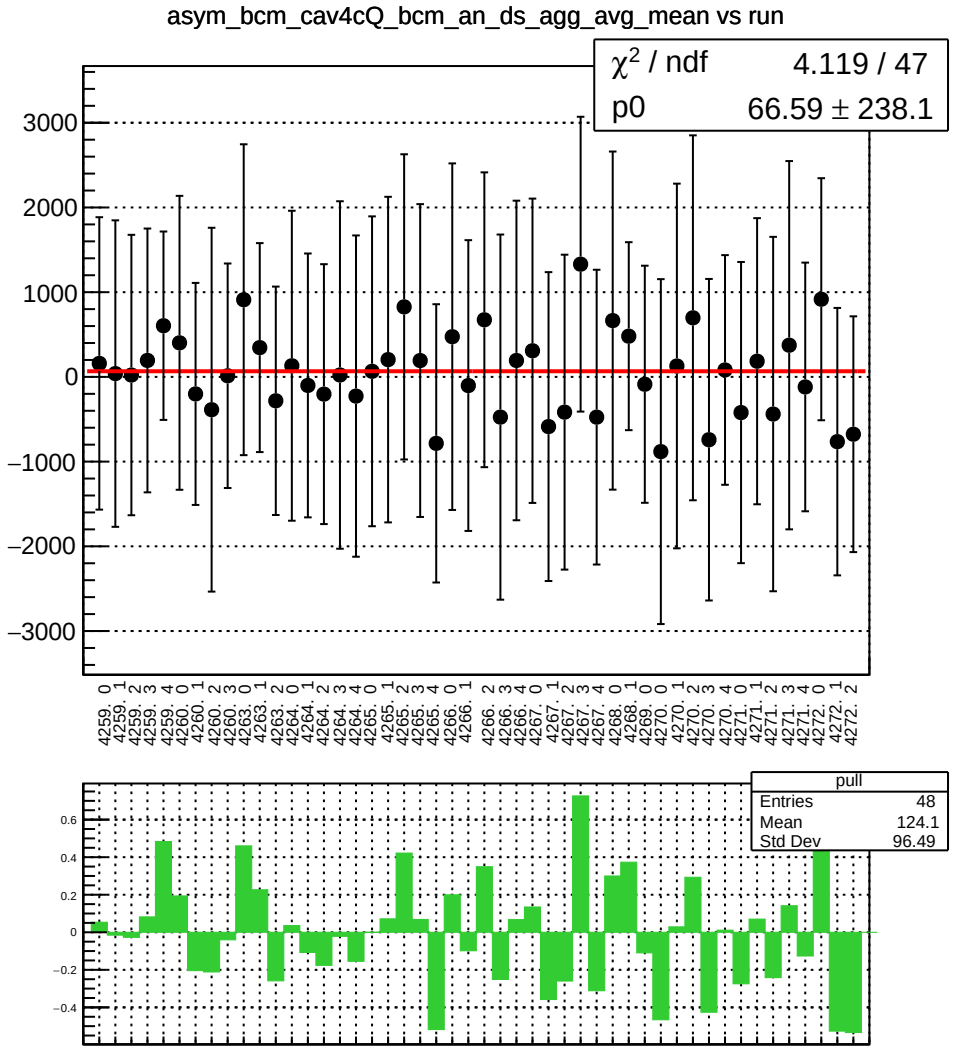

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.911 / 47
p0 67.45 ± 237.7
pull
Entries 48
Mean 117.6
Std Dev 88.35
pull1D
Entries 48
Mean −0.008826
Std Dev 0.3197

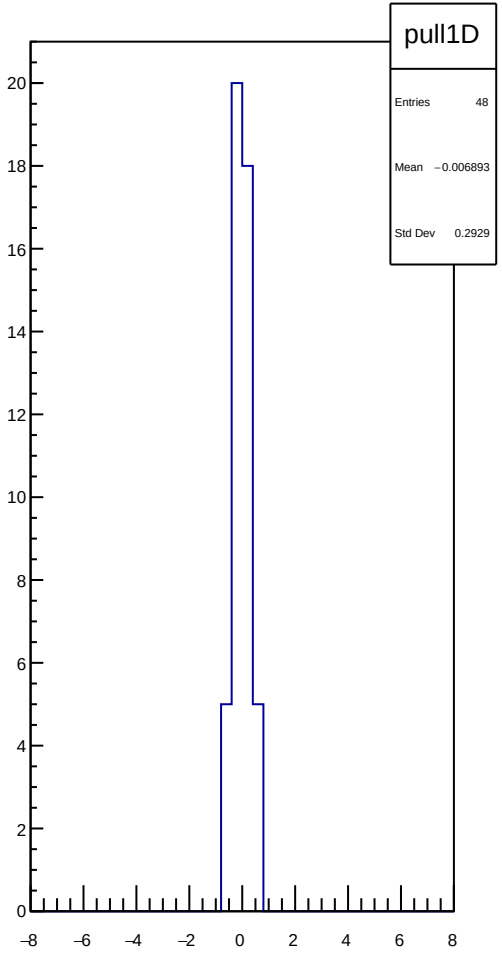

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.946e+04 / 47
p0 163.9 ± 0.1681
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

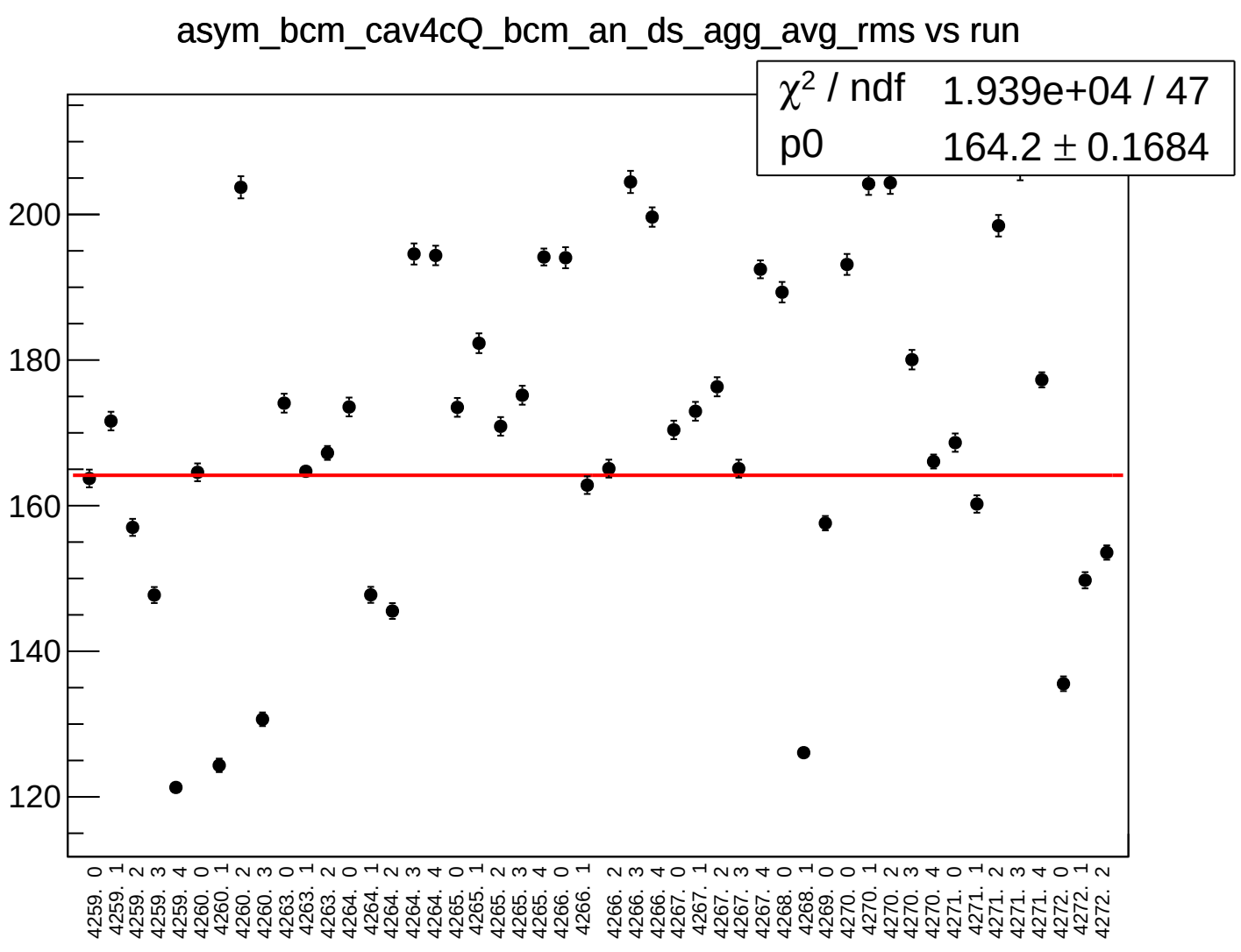

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 27.78 / 47
p0 46 ± 28.89
pull
Entries 48
Mean 46.07
Std Dev 48.21

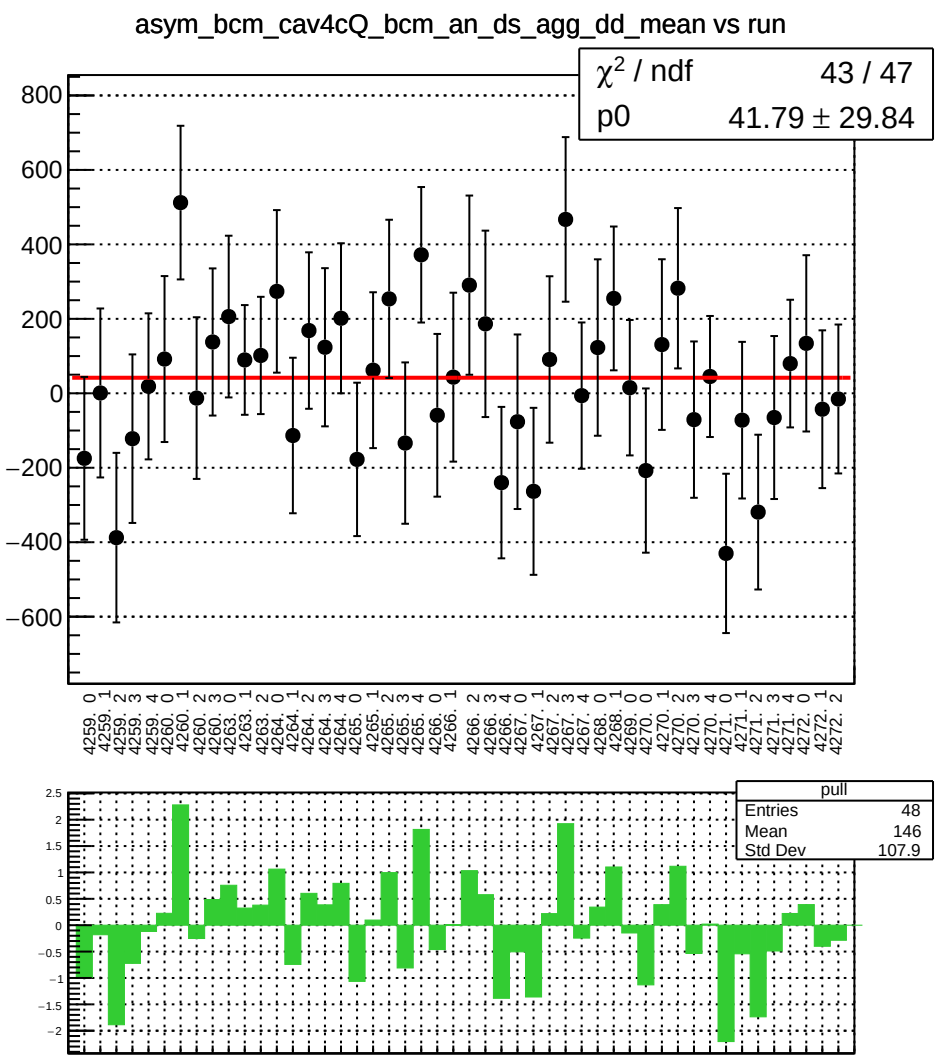

pull1D
Entries 48
Mean −0.007136
Std Dev 0.7607

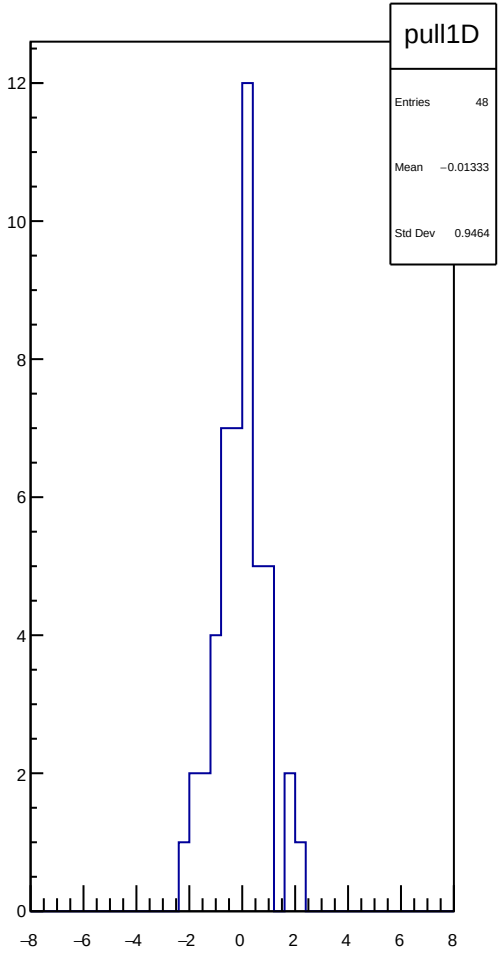

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 801.6 / 47
p0 20.11 ± 0.02043
21.5
21
20.5
20
19.5
19
18.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

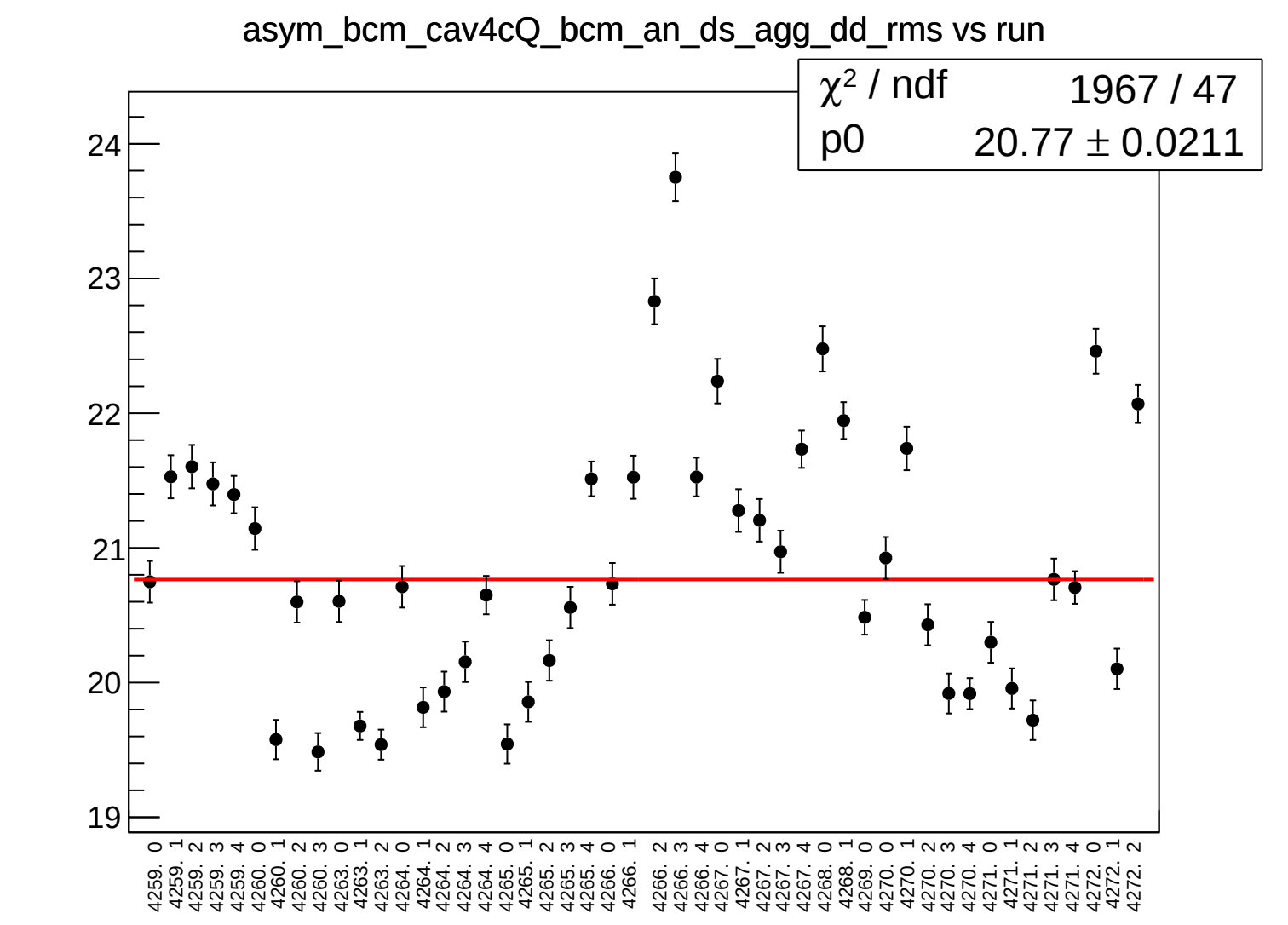

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.119 / 47
p0 66.59 ± 238.1
pull
Entries 48
Mean 124.1
Std Dev 96.49

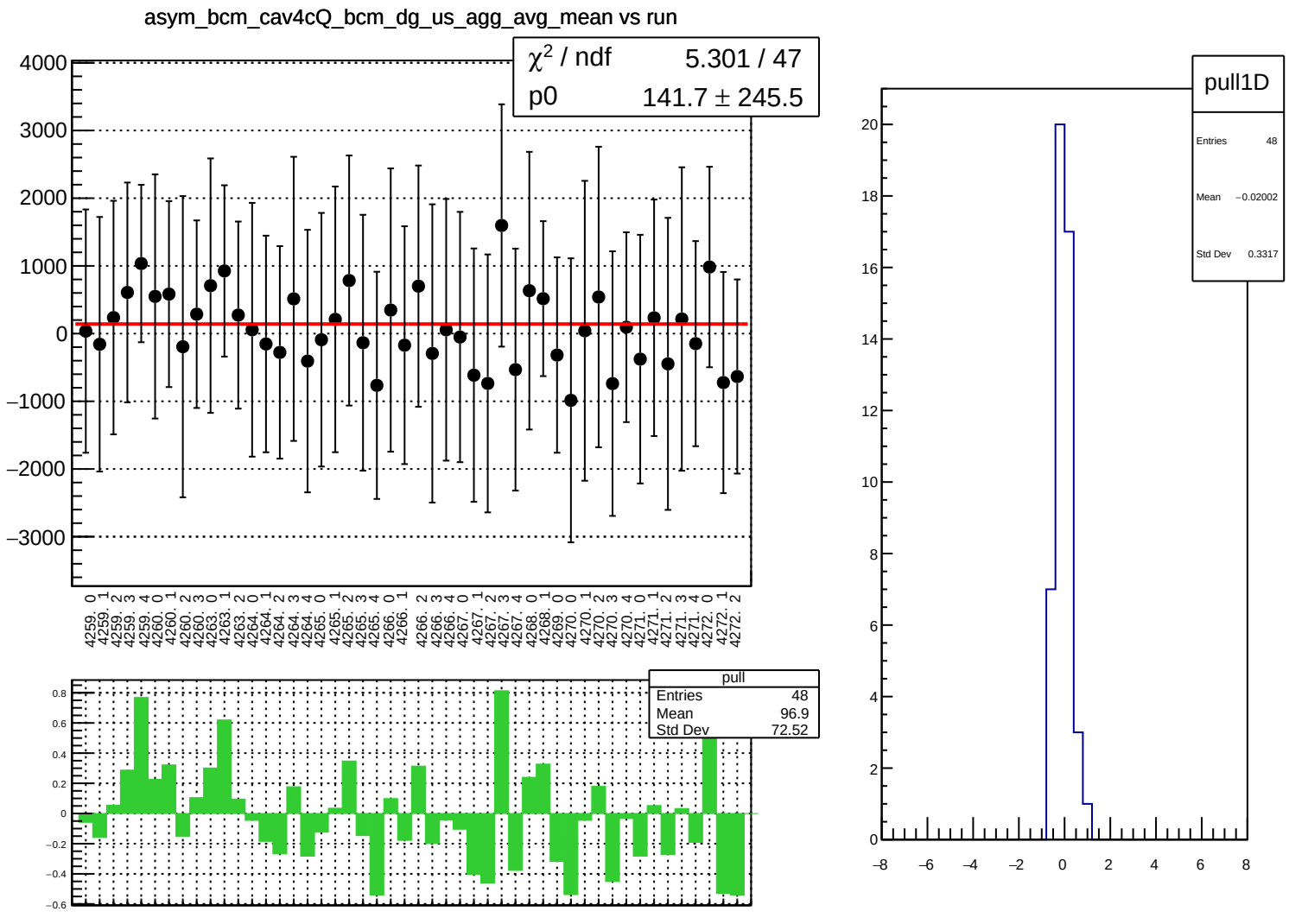

pull1D
Entries 48
Mean −0.006893
Std Dev 0.2929

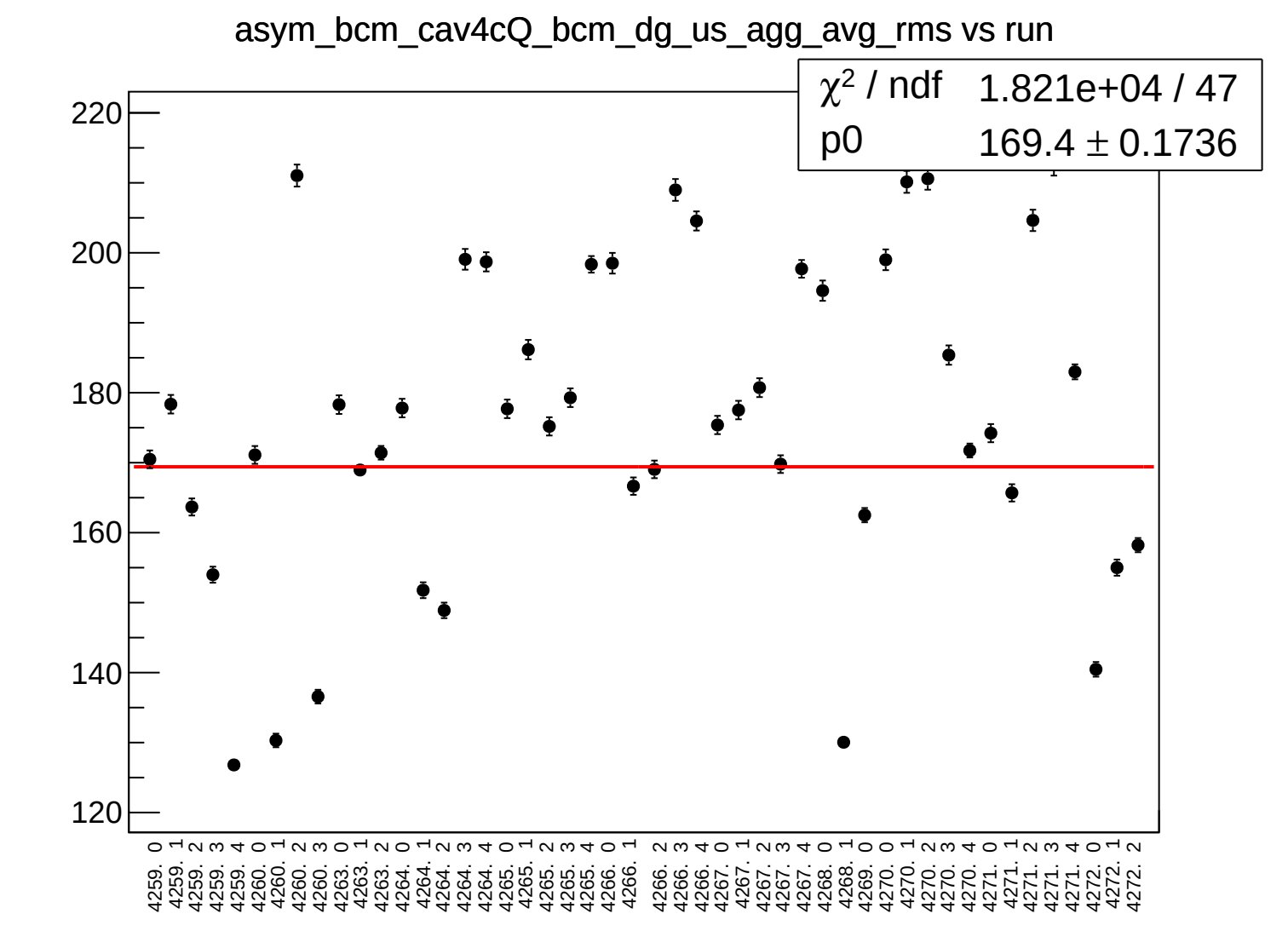

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.939e+04 / 47
p0 164.2 ± 0.1684
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

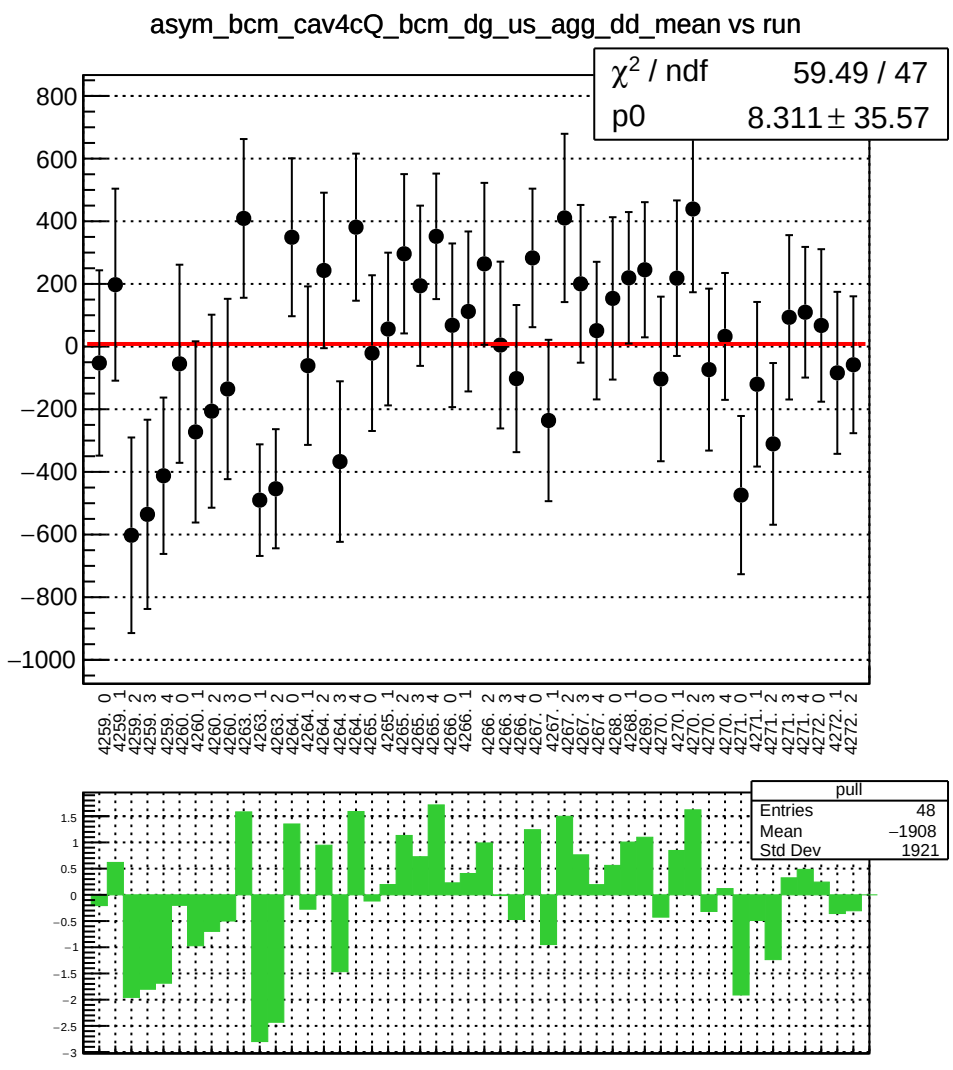

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 43 / 47
p0 41.79 ± 29.84
pull
Entries 48
Mean 146
Std Dev 107.9

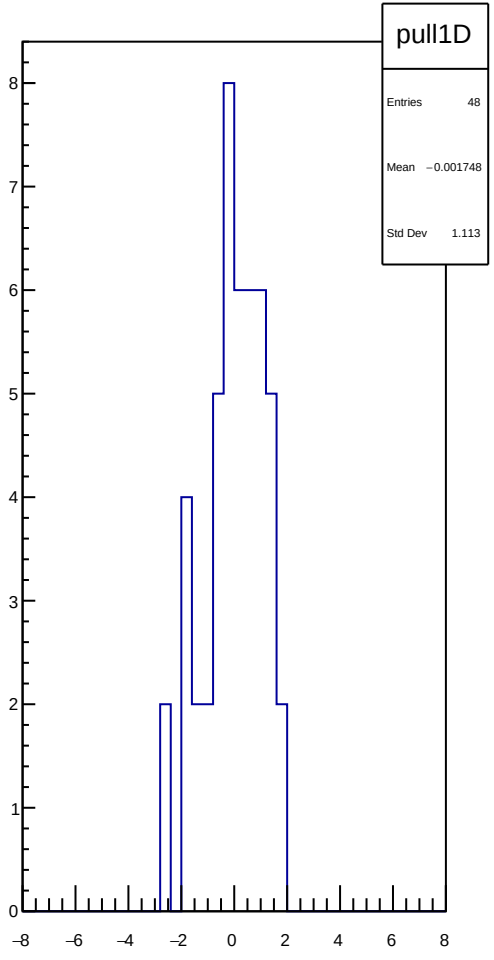

pull1D
Entries 48
Mean −0.01333
Std Dev 0.9464

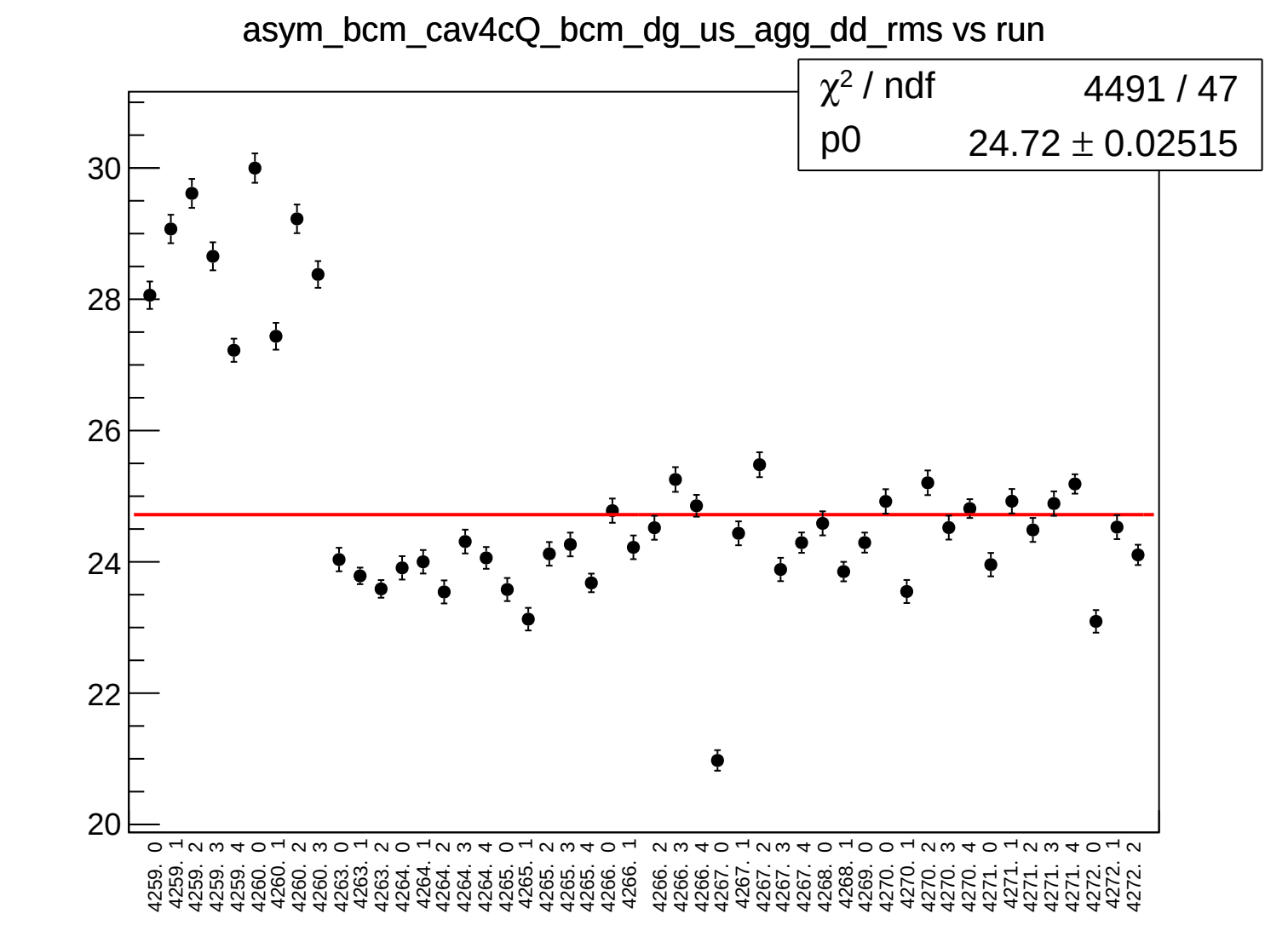

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1967 / 47
p0 20.77 ± 0.0211
24
23
22
21
20
19
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 5.301 / 47
p0 141.7 ± 245.5
4000
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 96.9
Std Dev 72.52
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.02002
Std Dev 0.3317
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.821e+04 / 47
p0 169.4 ± 0.1736
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 59.49 / 47
p0 8.311 ± 35.57
pull
Entries 48
Mean −1908
Std Dev 1921


pull1D
Entries 48
Mean −0.001748
Std Dev 1.113


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 4491 / 47
p0 24.72 ± 0.02515
30
28
26
24
22
20
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
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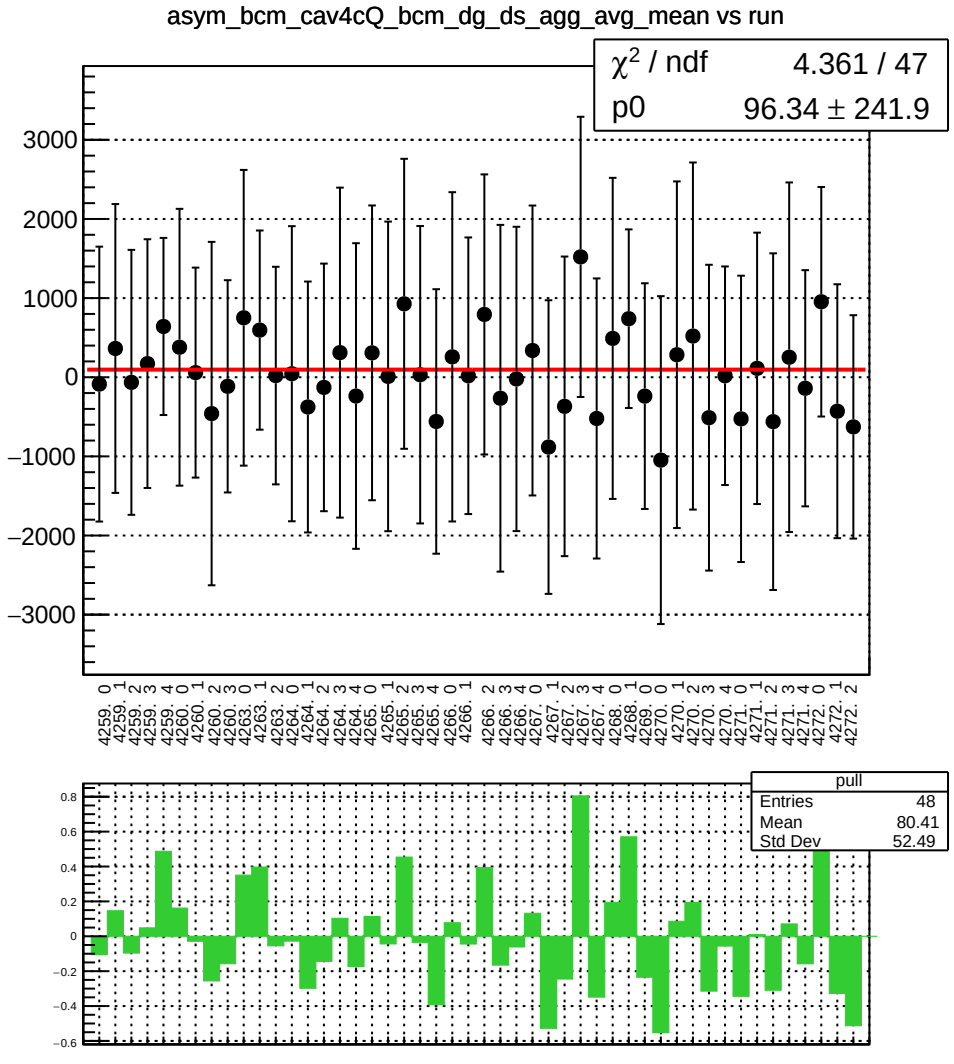
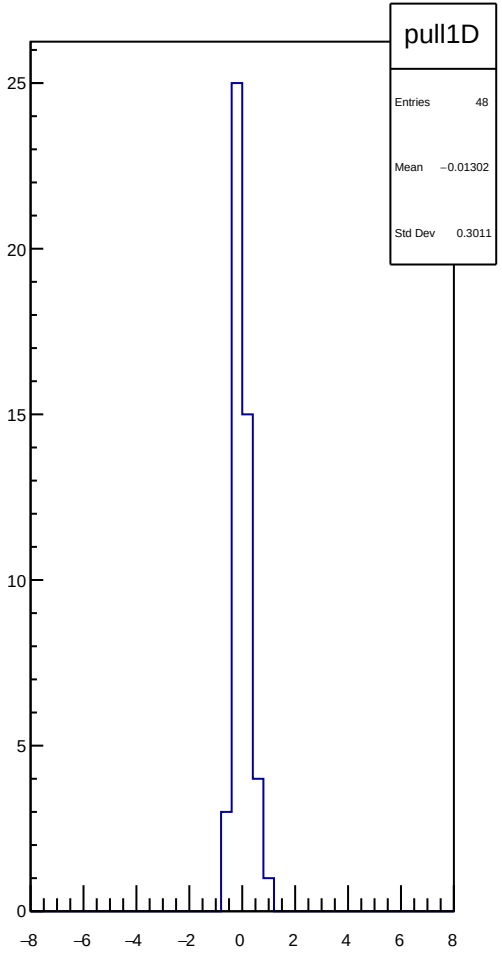
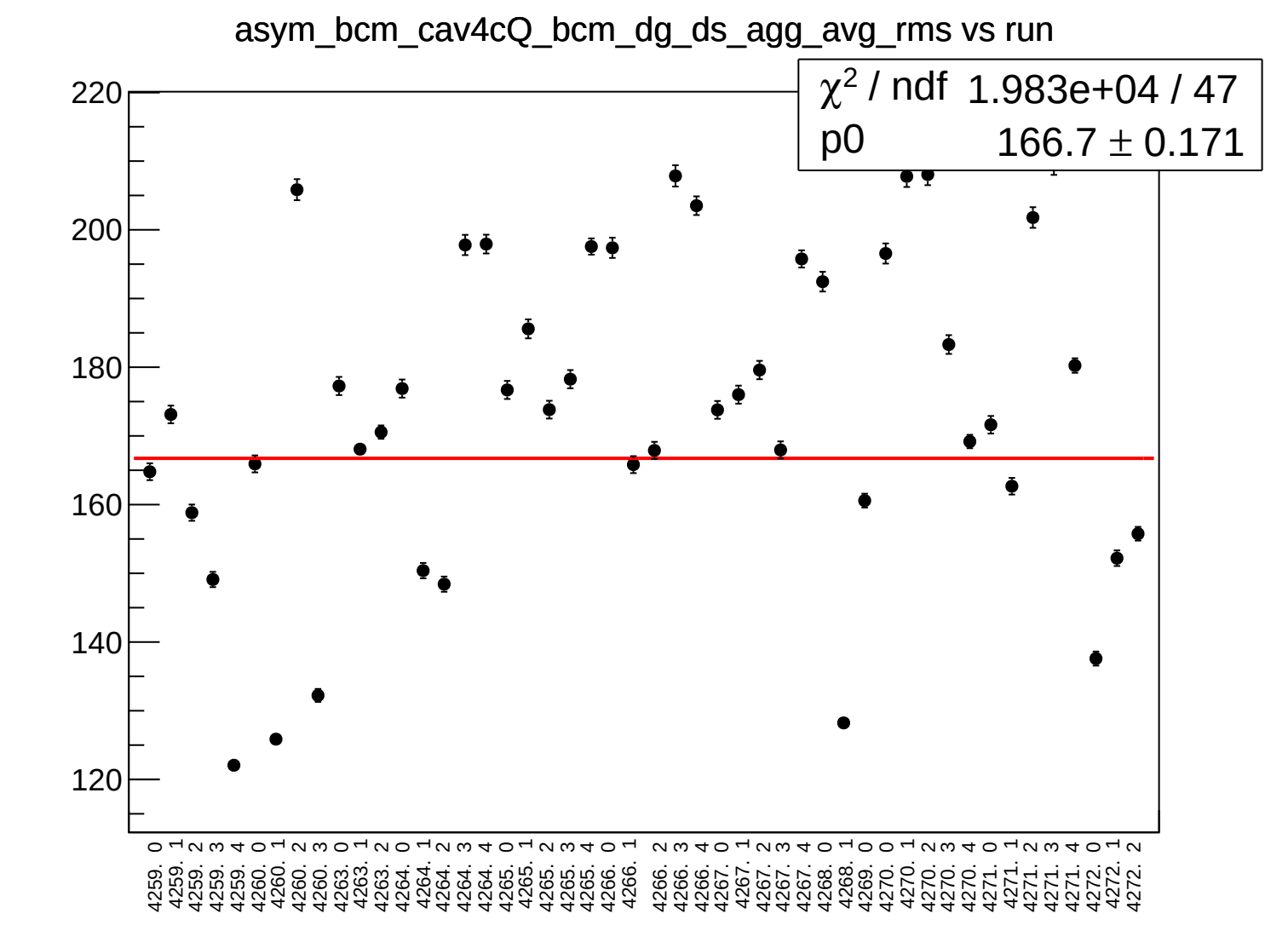
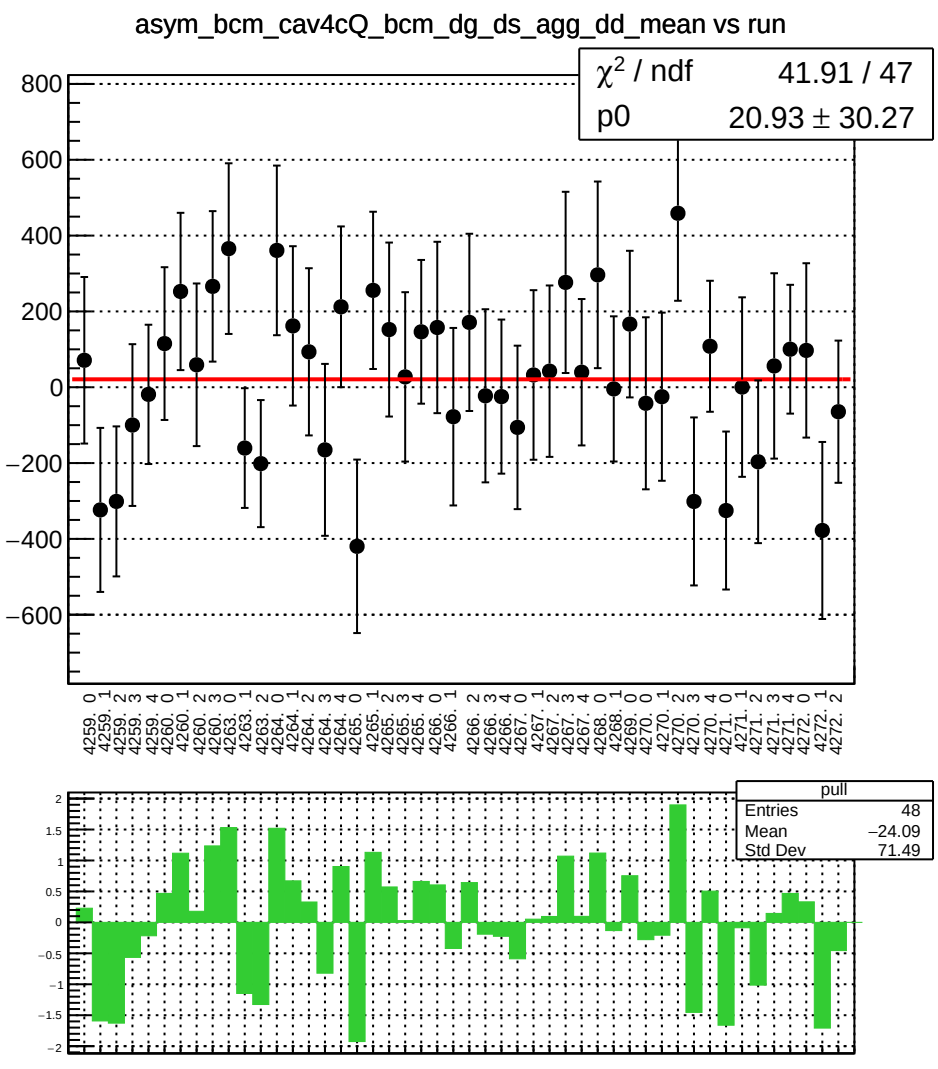
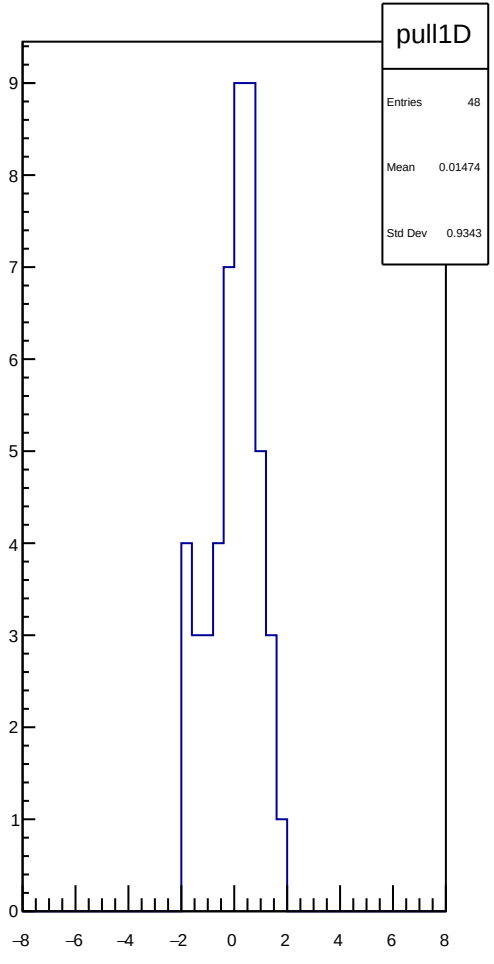
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

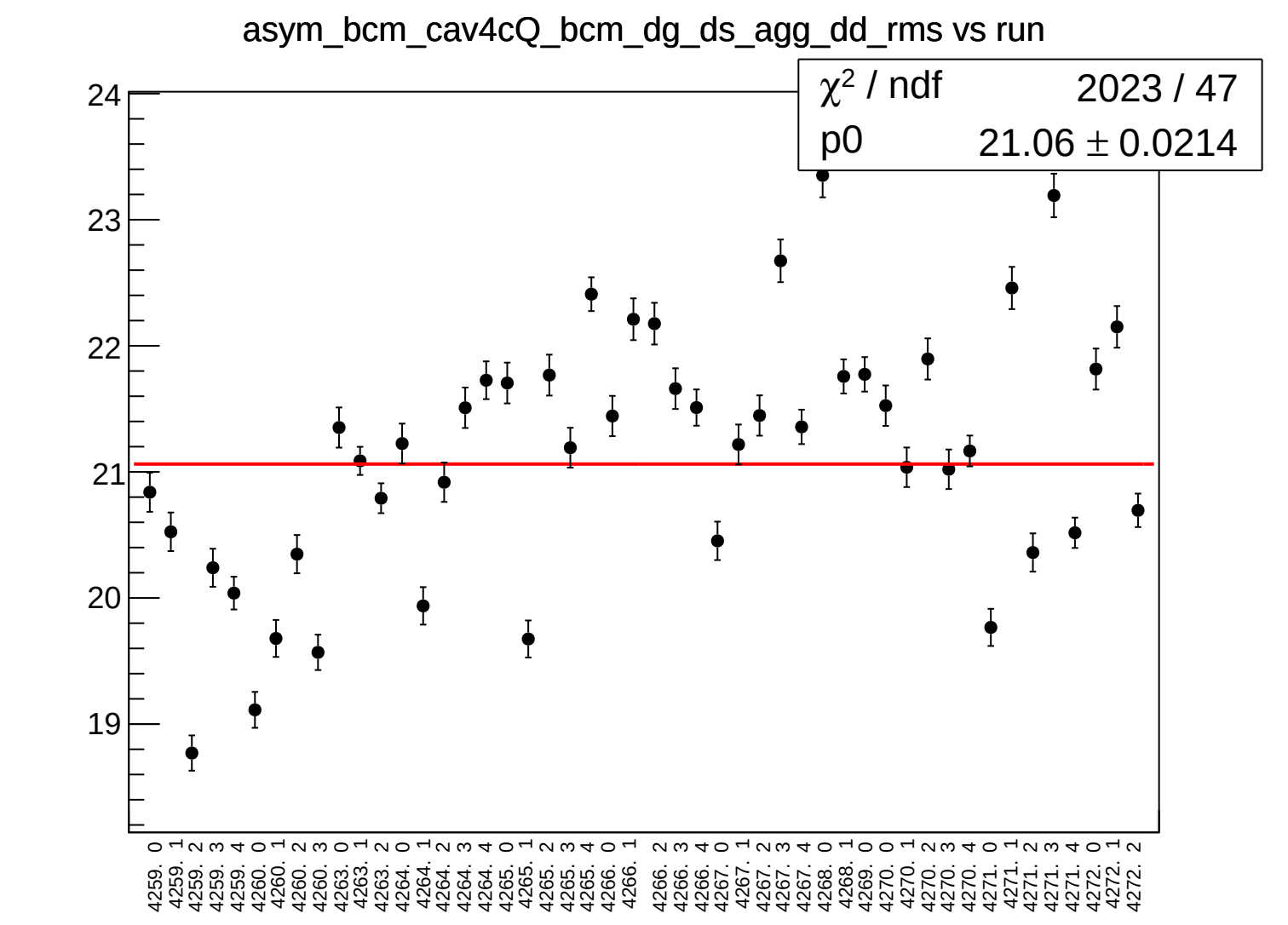

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.361 / 47
p0 96.34 ± 241.9
pull
Entries 48
Mean 80.41
Std Dev 52.49


pull1D
Entries 48
Mean −0.01302
Std Dev 0.3011


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.983e+04 / 47
p0 166.7 ± 0.171
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 41.91 / 47
p0 20.93 ± 30.27
pull
Entries 48
Mean −24.09
Std Dev 71.49


pull1D
Entries 48
Mean 0.01474
Std Dev 0.9343


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2023 / 47
p0 21.06 ± 0.0214
24
23
22
21
20
19
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
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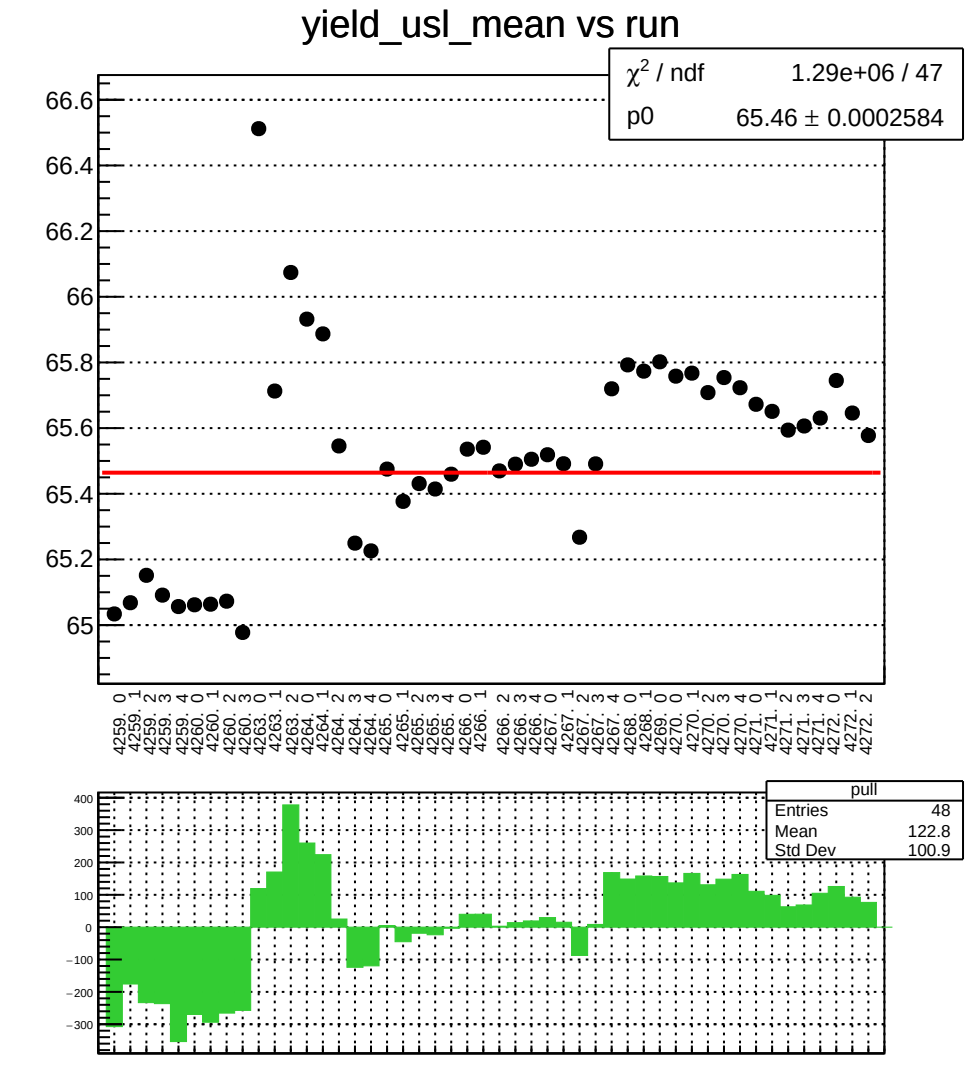
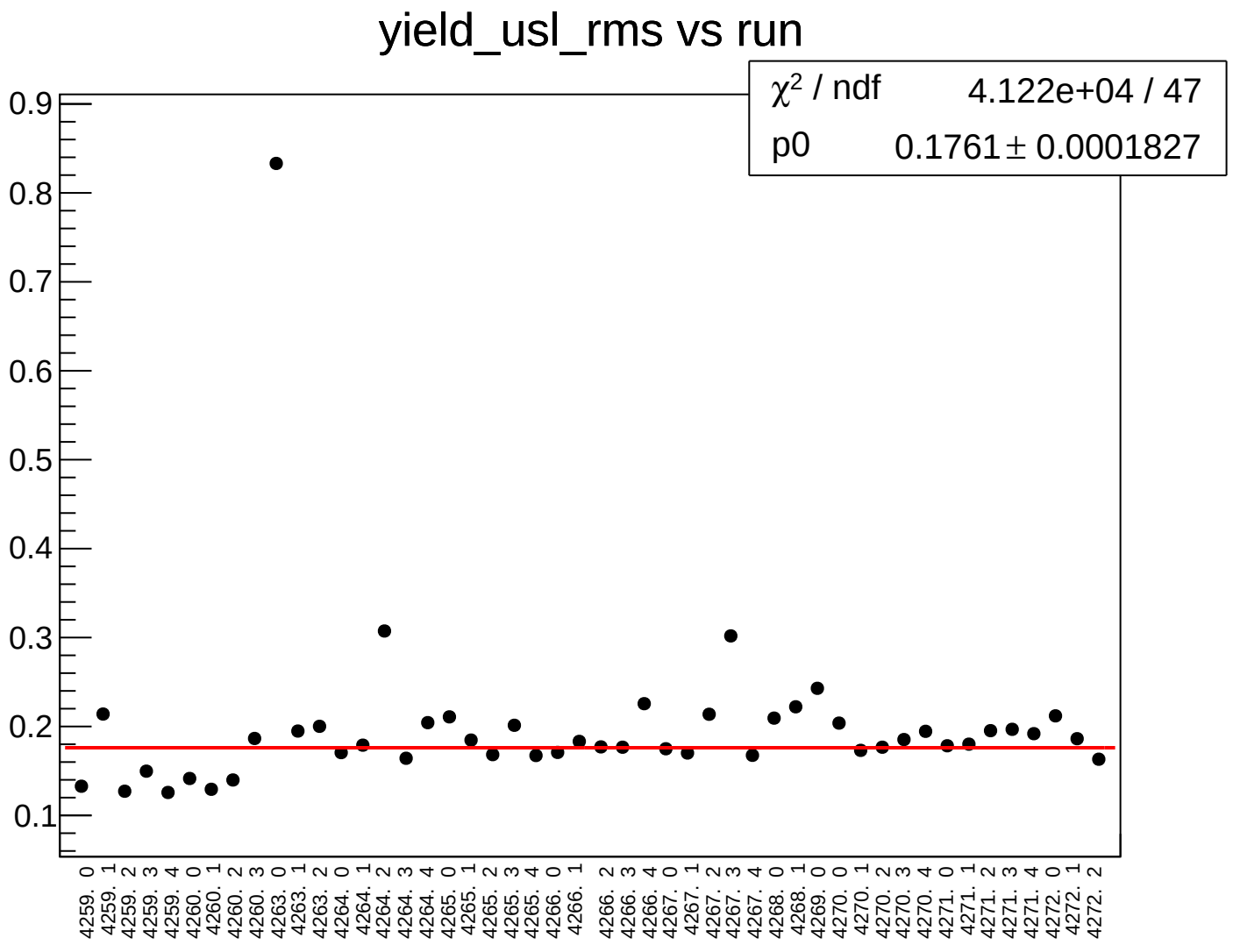
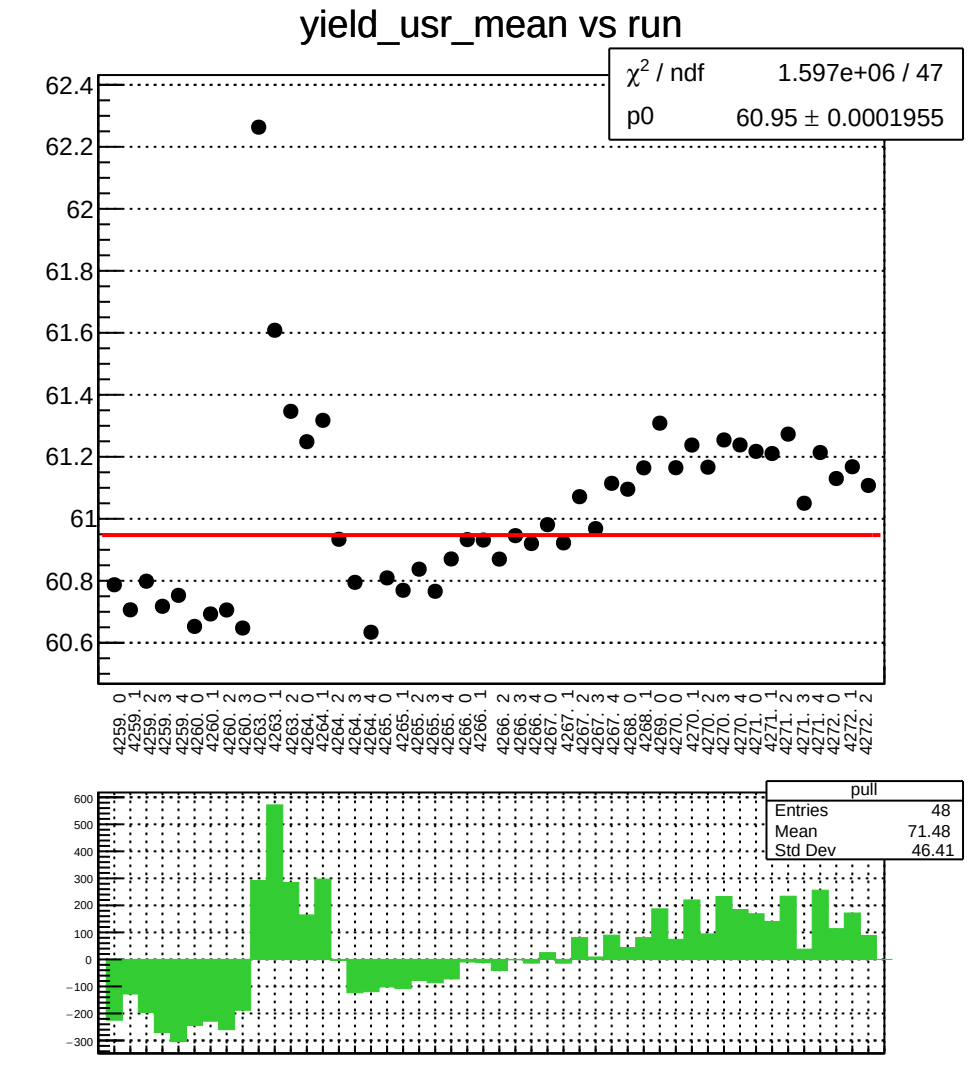
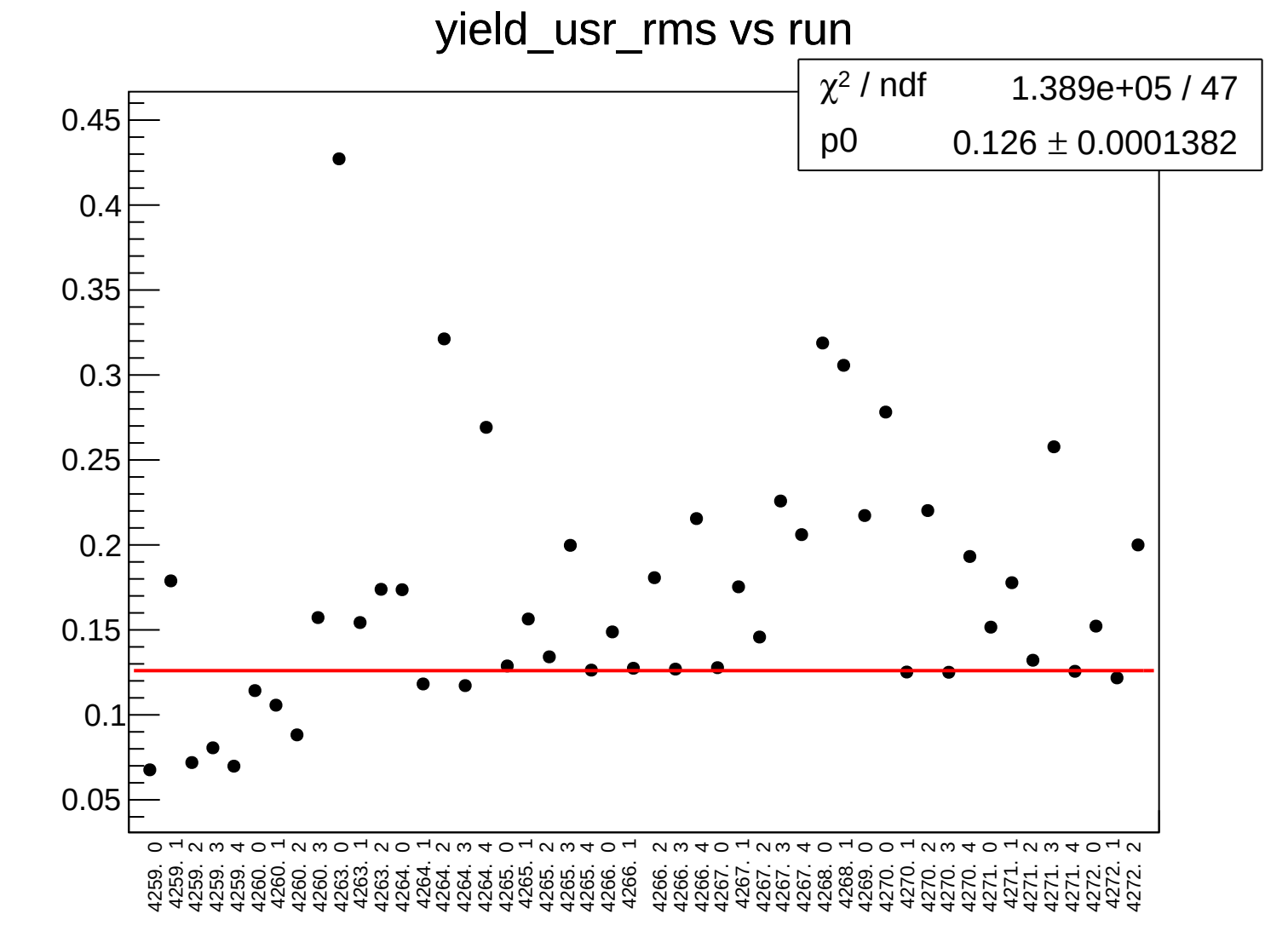
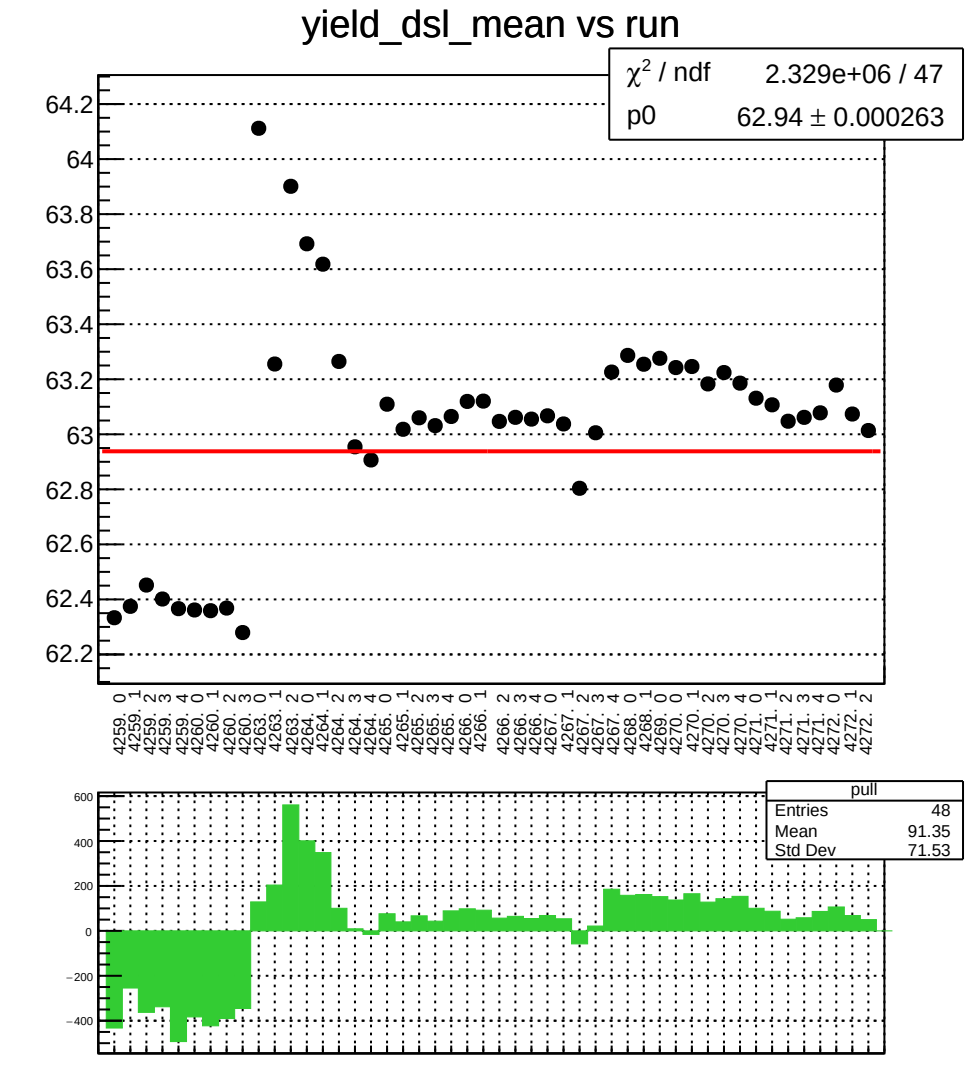
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

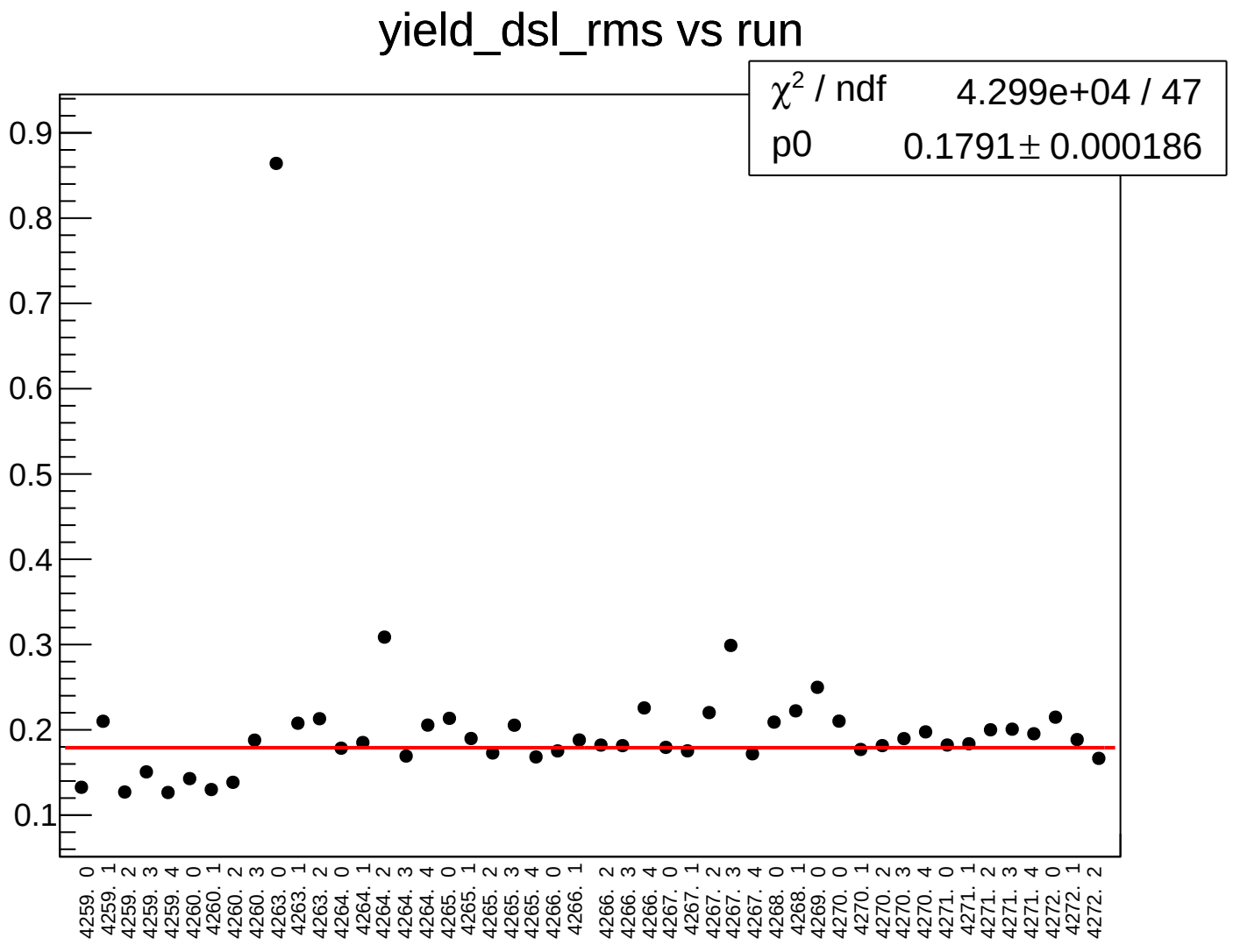

yield_usl_mean vs run
χ² / ndf 1.29e+06 / 47
p0 65.46 ± 0.0002584
66.6
66.4
66.2
66
65.8
65.6
65.4
65.2
65
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 122.8
Std Dev 100.9
400
300
200
100
0
−100
−200
−300
pull1D
Entries 48
Mean 1.516
Std Dev 3.488
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

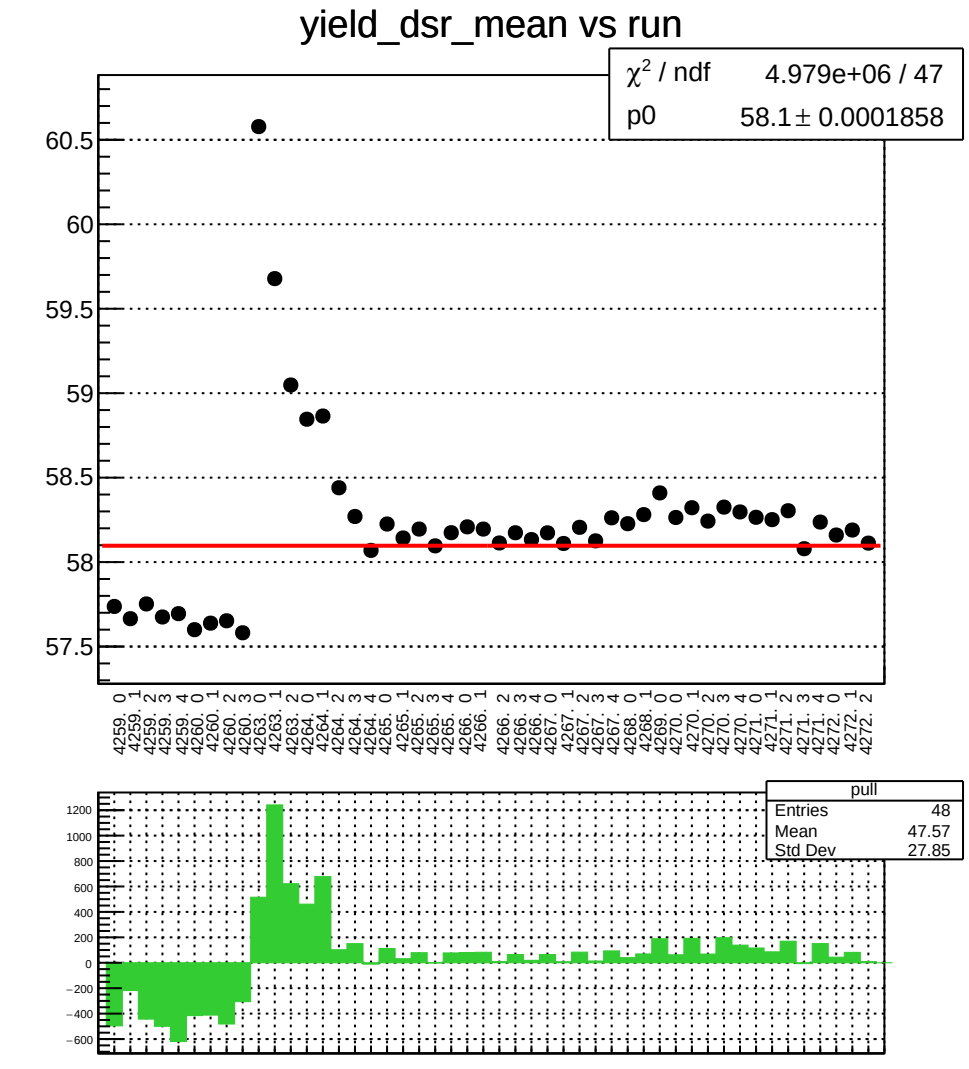

yield_usl_rms vs run
χ² / ndf 4.122e+04 / 47
p0 0.1761 ± 0.0001827
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

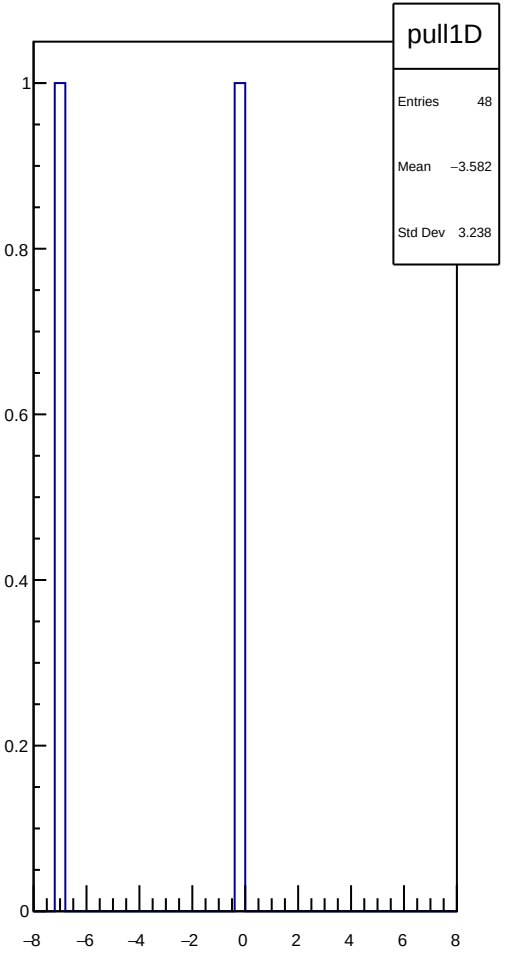

yield_usr_mean vs run
χ² / ndf 1.597e+06 / 47
p0 60.95 ± 0.0001955
62.4
62.2
62
61.8
61.6
61.4
61.2
61
60.8
60.6
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 71.48
Std Dev 46.41
600
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 48
Mean −2.709
Std Dev 1.315
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

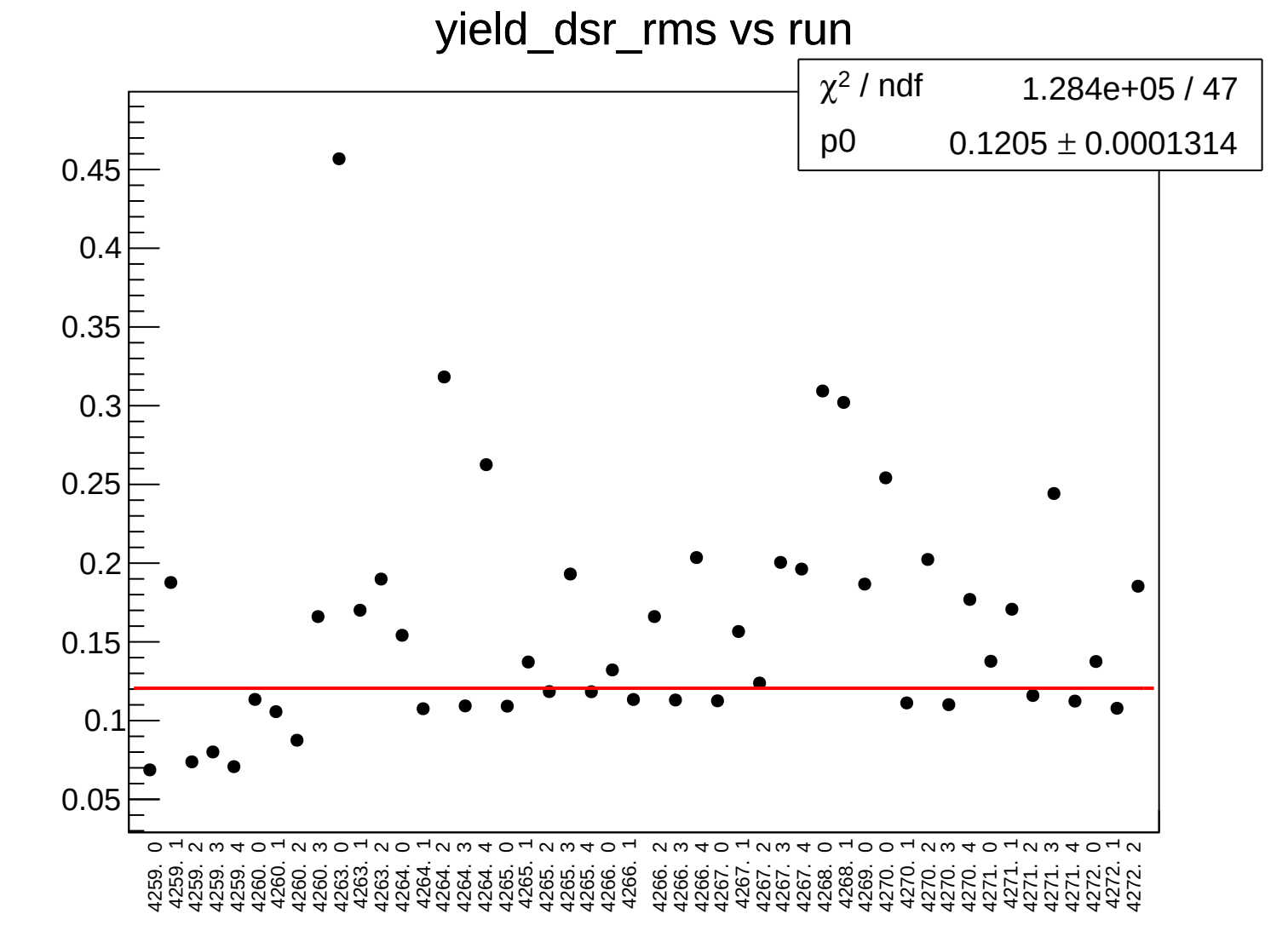

yield_usr_rms vs run
χ² / ndf 1.389e+05 / 47
p0 0.126 ± 0.0001382
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

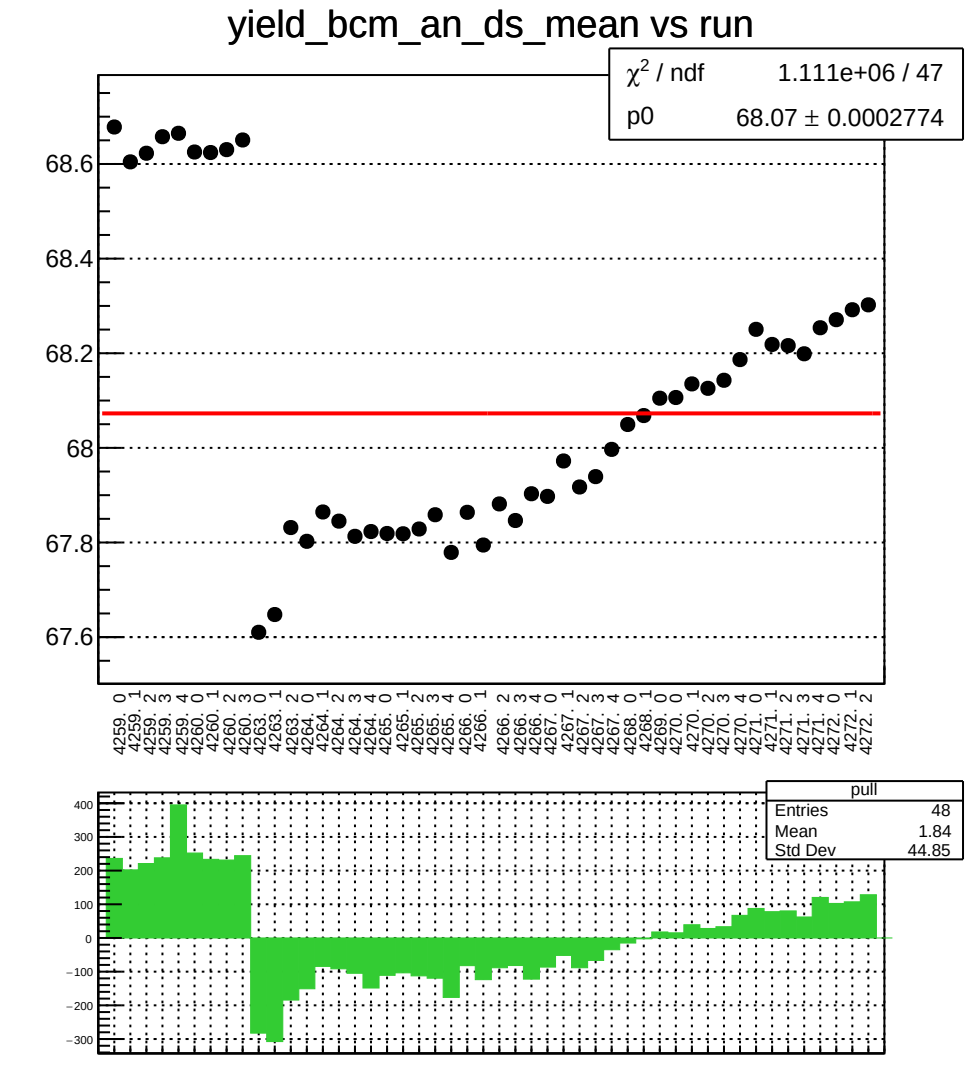

yield_dsl_mean vs run
χ² / ndf 2.329e+06 / 47
p0 62.94 ± 0.000263
64.2
64
63.8
63.6
63.4
63.2
63
62.8
62.6
62.4
62.2
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 91.35
Std Dev 71.53
600
400
200
0
−200
−400
pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

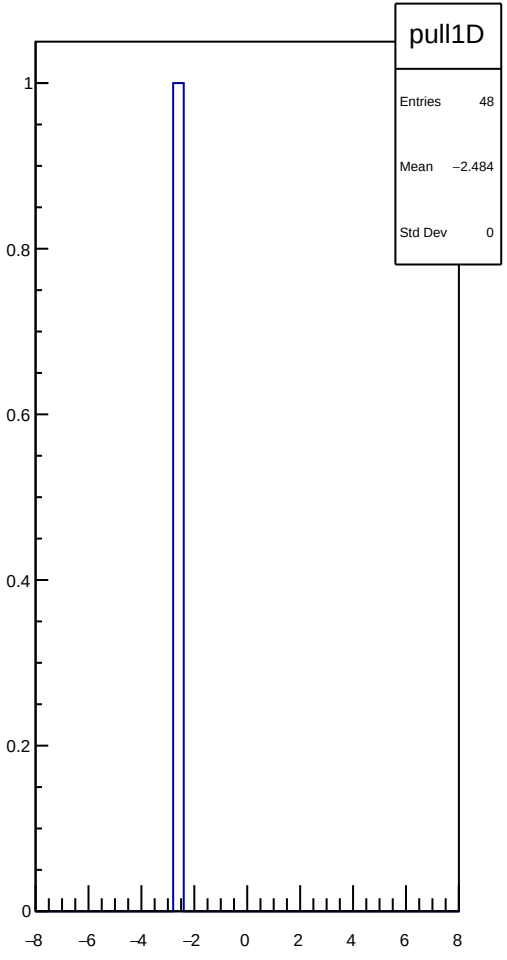

yield_dsl_rms vs run
χ² / ndf 4.299e+04 / 47
p0 0.1791 ± 0.000186
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

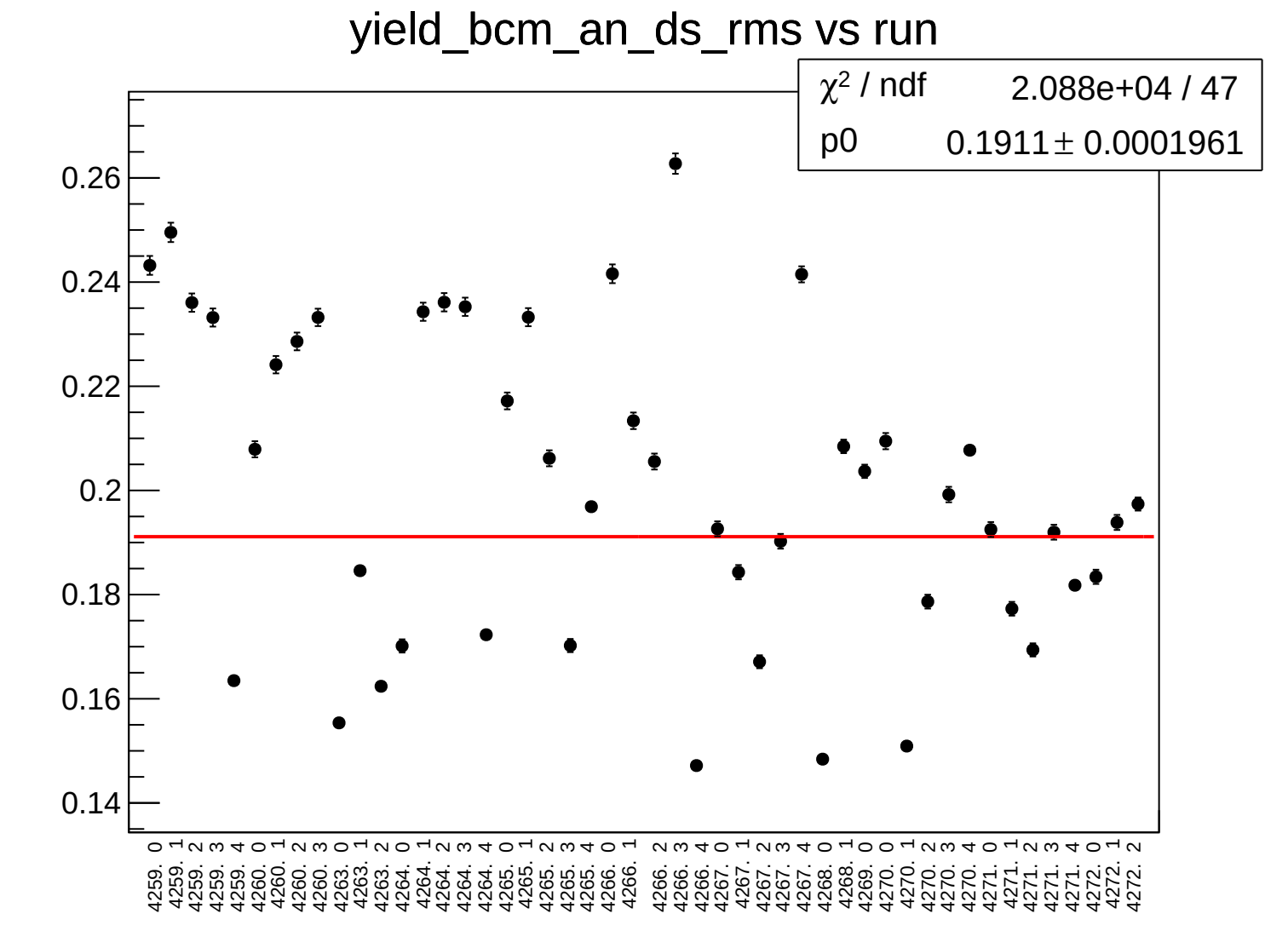

yield_dsr_mean vs run
χ² / ndf 4.979e+06 / 47
p0 58.1 ± 0.0001858
60.5
60
59.5
59
58.5
58
57.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 47.57
Std Dev 27.85
1200
1000
800
600
400
200
0
−200
−400
−600

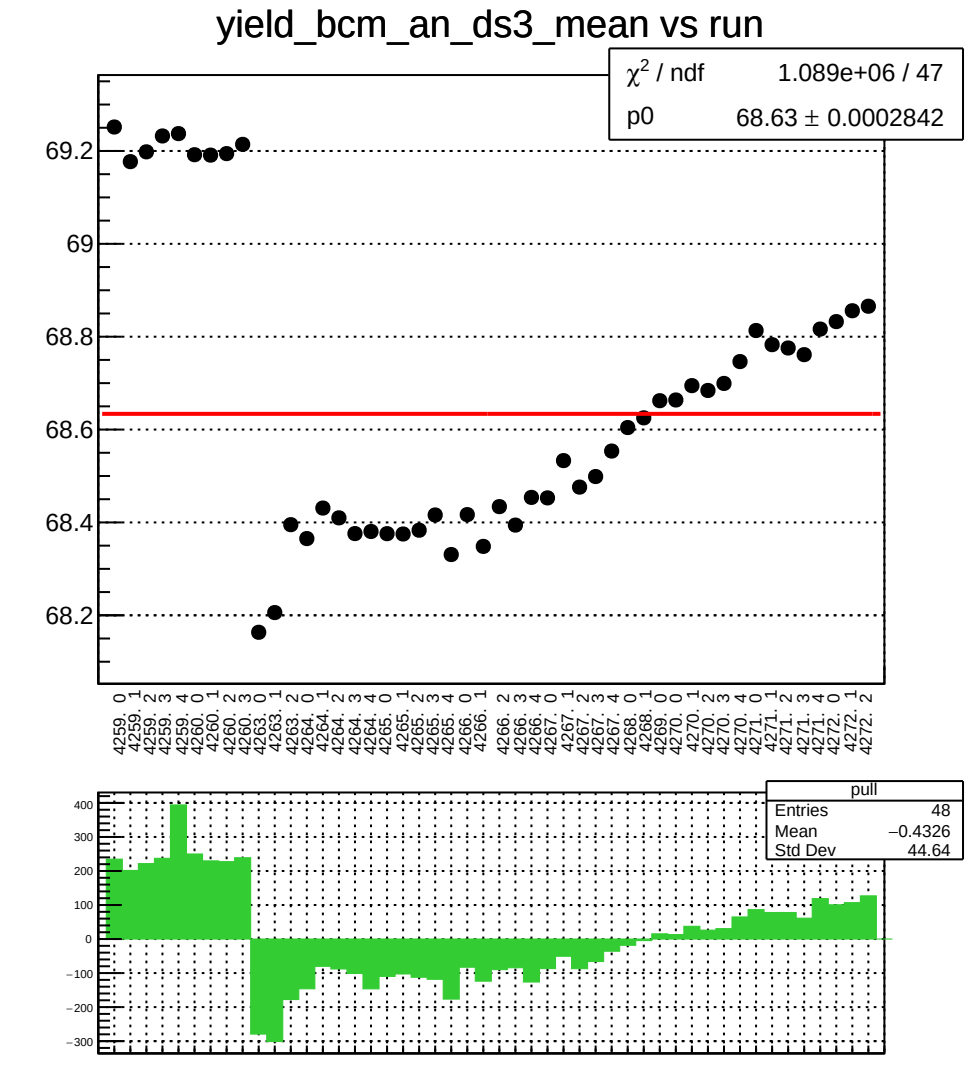

pull1D
Entries 48
Mean −3.582
Std Dev 3.238
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

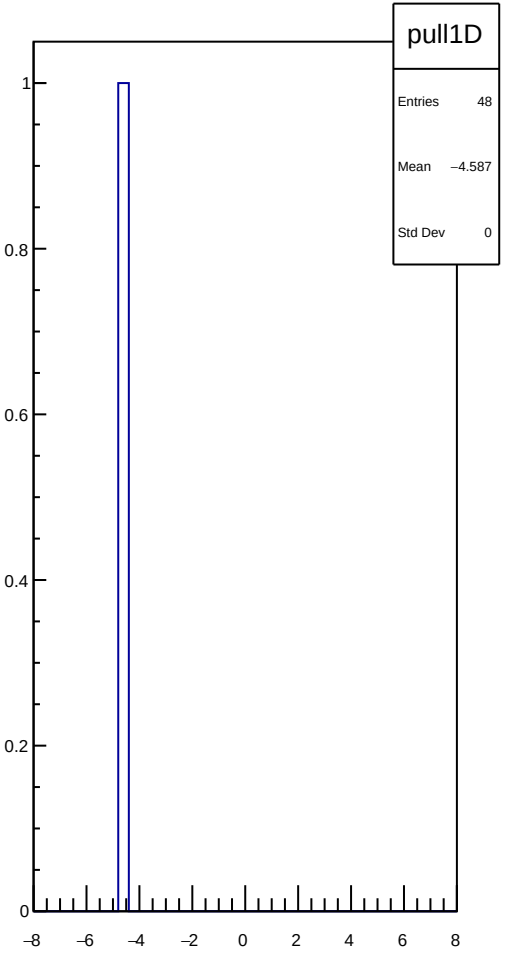

yield_dsr_rms vs run
χ² / ndf 1.284e+05 / 47
p0 0.1205 ± 0.0001314
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

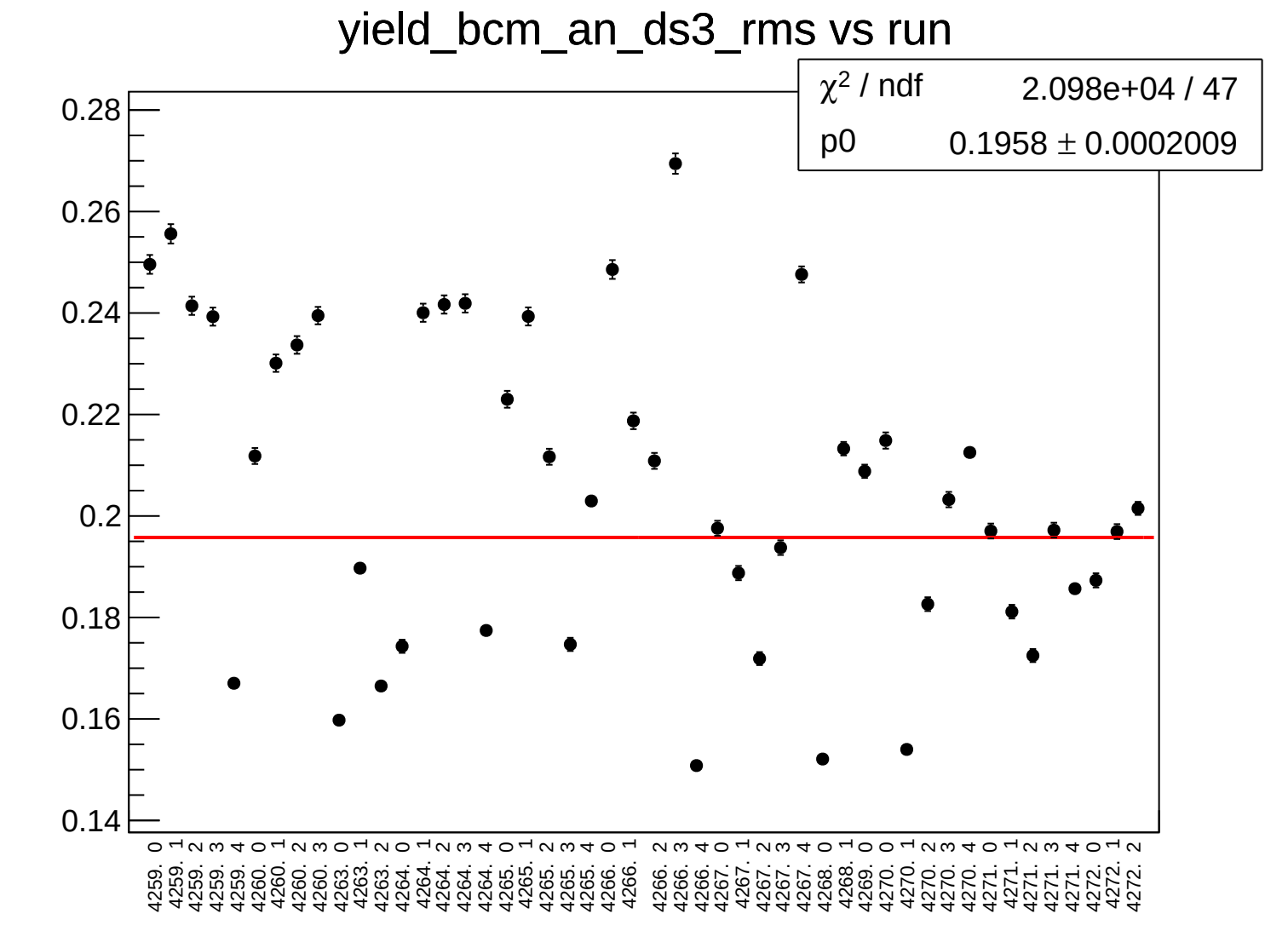

yield_bcm_an_ds_mean vs run
χ² / ndf 1.111e+06 / 47
p0 68.07 ± 0.0002774
68.6
68.4
68.2
68
67.8
67.6
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1.84
Std Dev 44.85
400
300
200
100
0
−100
−200
−300

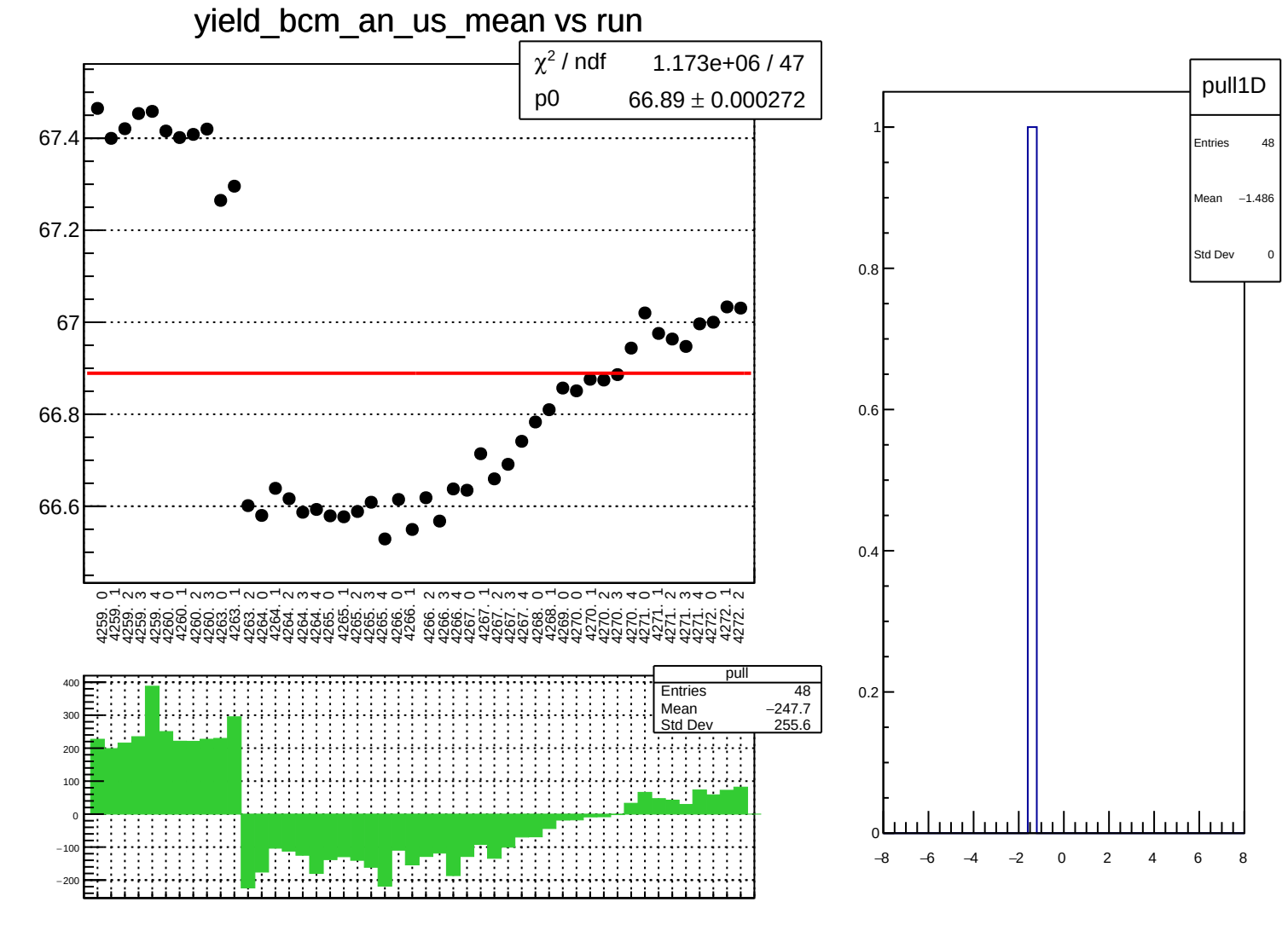

pull1D
Entries 48
Mean −2.484
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

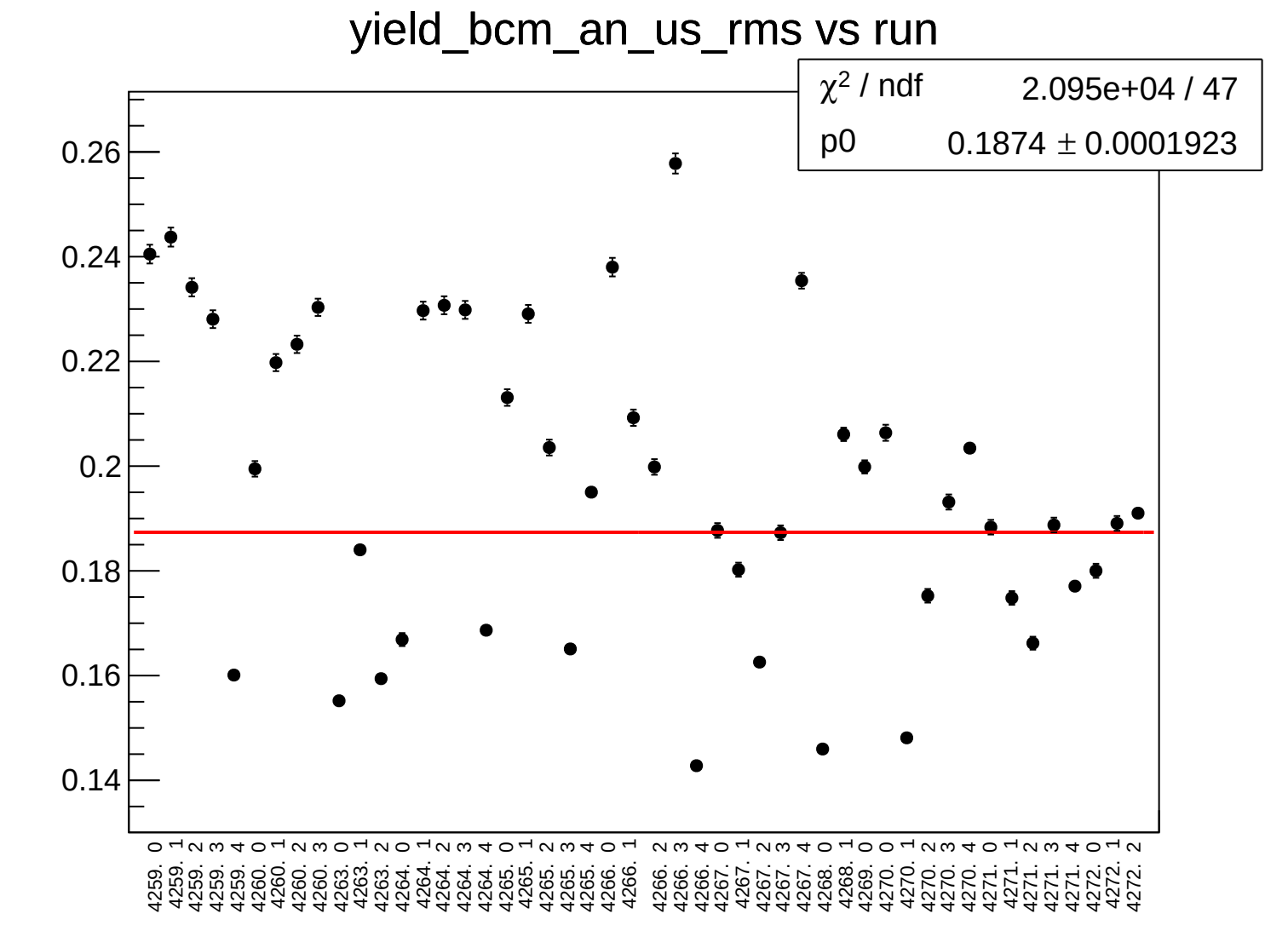

yield_bcm_an_ds_rms vs run
χ² / ndf 2.088e+04 / 47
p0 0.1911 ± 0.0001961
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

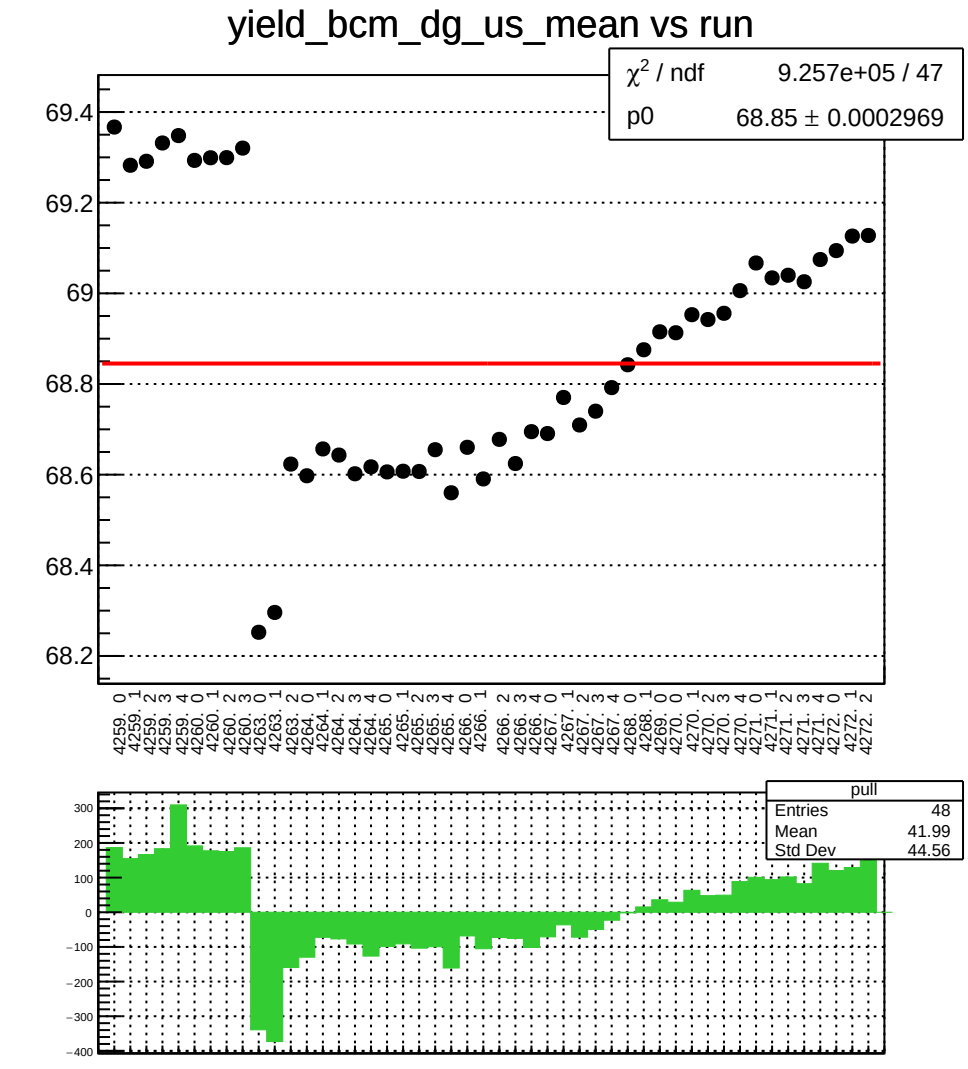

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.089e+06 / 47
p0 68.63 ± 0.0002842
69.2
69
68.8
68.6
68.4
68.2
pull
Entries 48
Mean −0.4326
Std Dev 44.64
400
300
200
100
0
−100
−200
−300

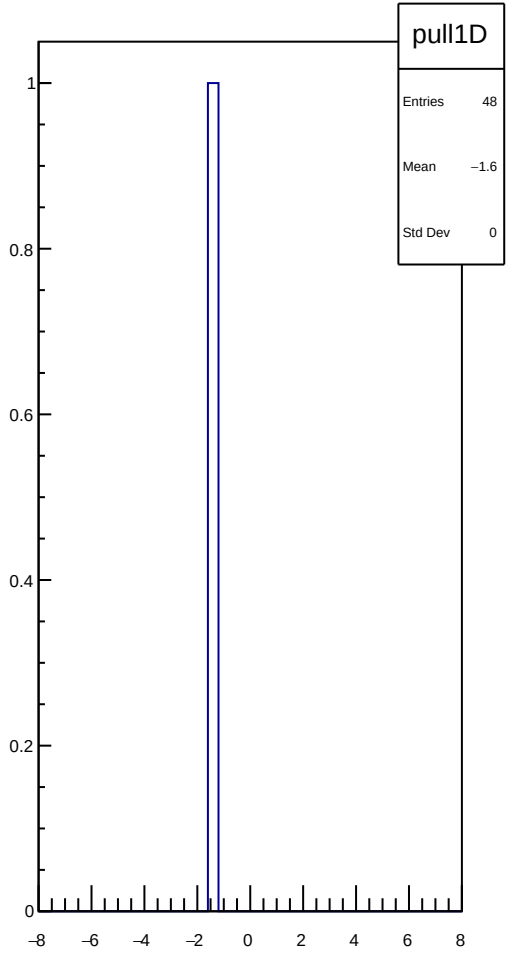

pull1D
Entries 48
Mean −4.587
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

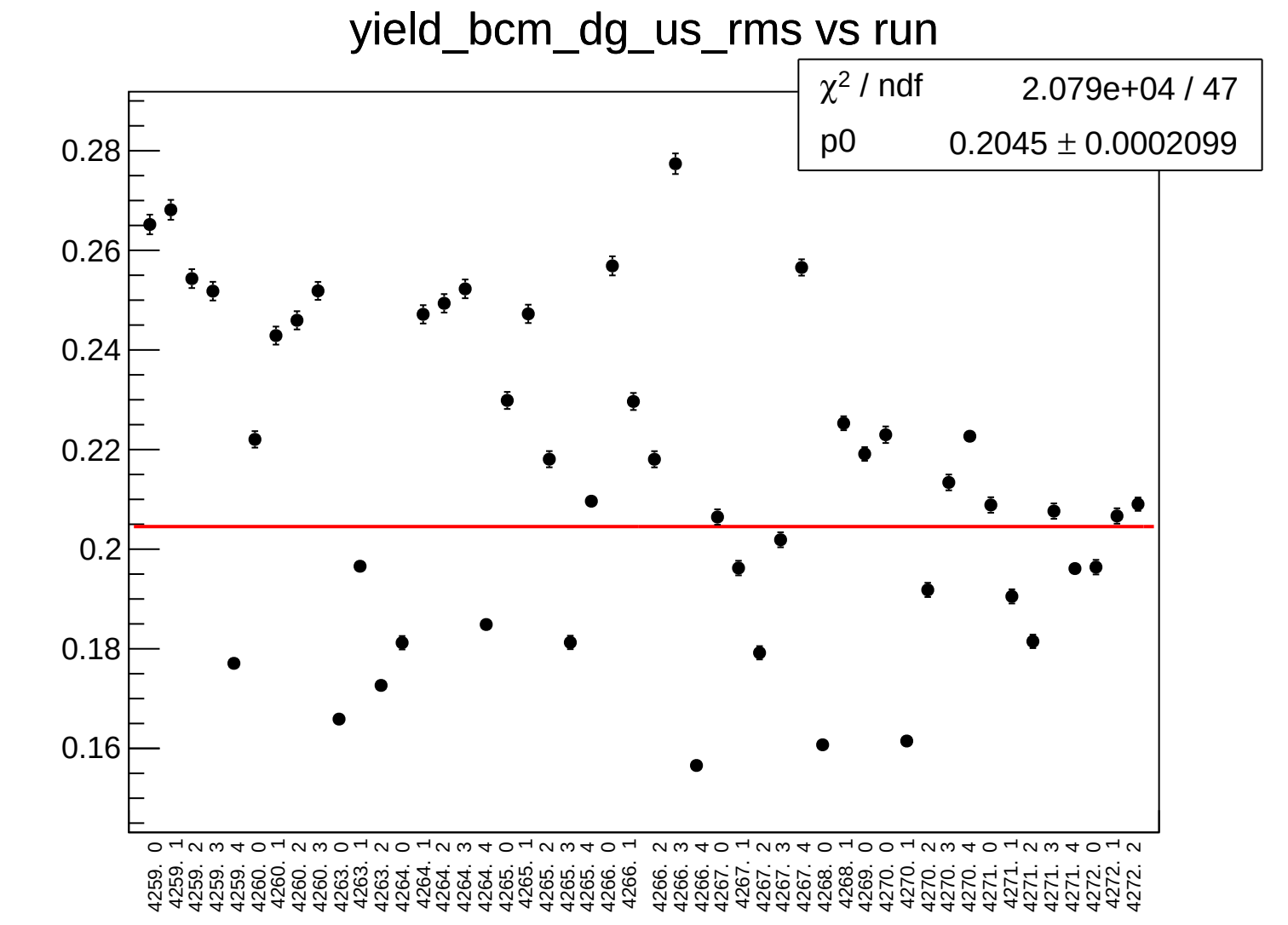

yield_bcm_an_ds3_rms vs run
χ² / ndf 2.098e+04 / 47
p0 0.1958 ± 0.0002009
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

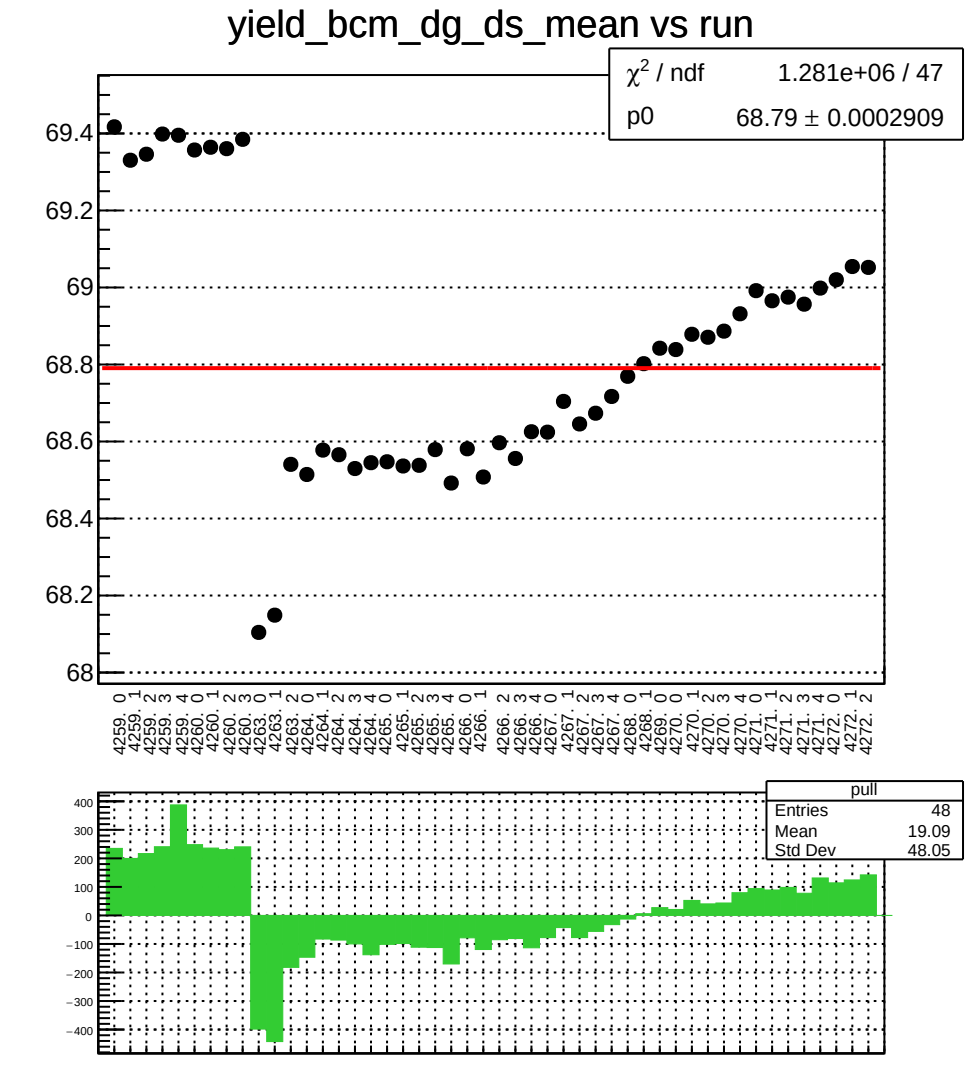

yield_bcm_an_us_mean vs run
χ² / ndf 1.173e+06 / 47
p0 66.89 ± 0.000272
67.4
67.2
67
66.8
66.6
pull
Entries 48
Mean −247.7
Std Dev 255.6
400
300
200
100
0
−100
−200
pull1D
Entries 48
Mean −1.486
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

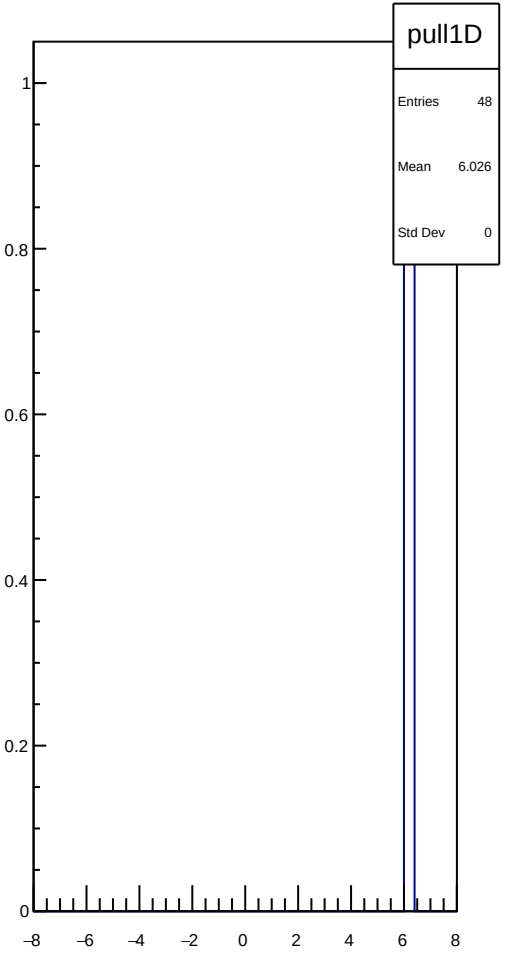

yield_bcm_an_us_rms vs run
χ² / ndf 2.095e+04 / 47
p0 0.1874 ± 0.0001923
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

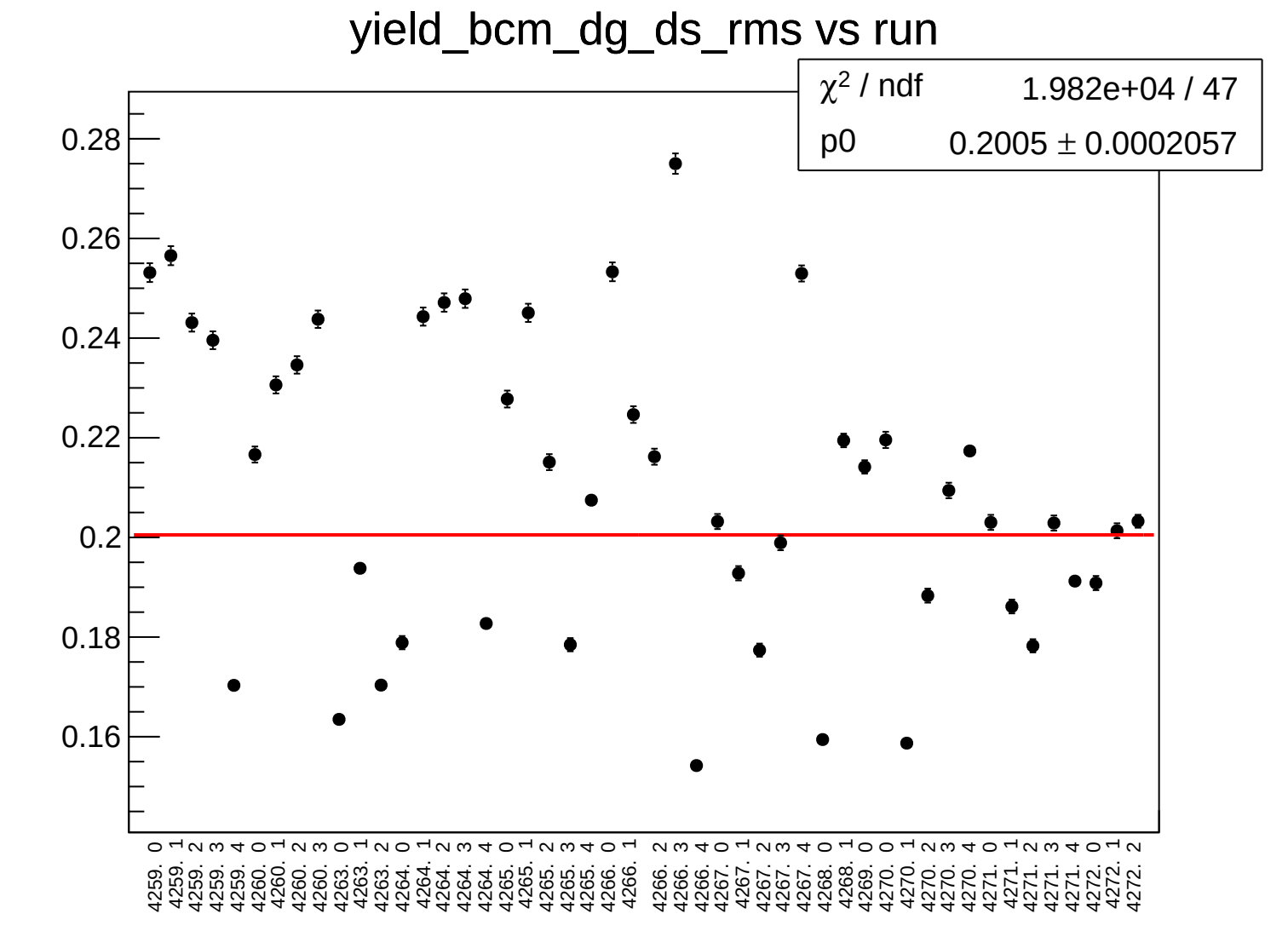

yield_bcm_dg_us_mean vs run
χ² / ndf 9.257e+05 / 47
p0 68.85 ± 0.0002969
69.4
69.2
69
68.8
68.6
68.4
68.2
pull
Entries 48
Mean 41.99
Std Dev 44.56
300
200
100
0
−100
−200
−300
−400

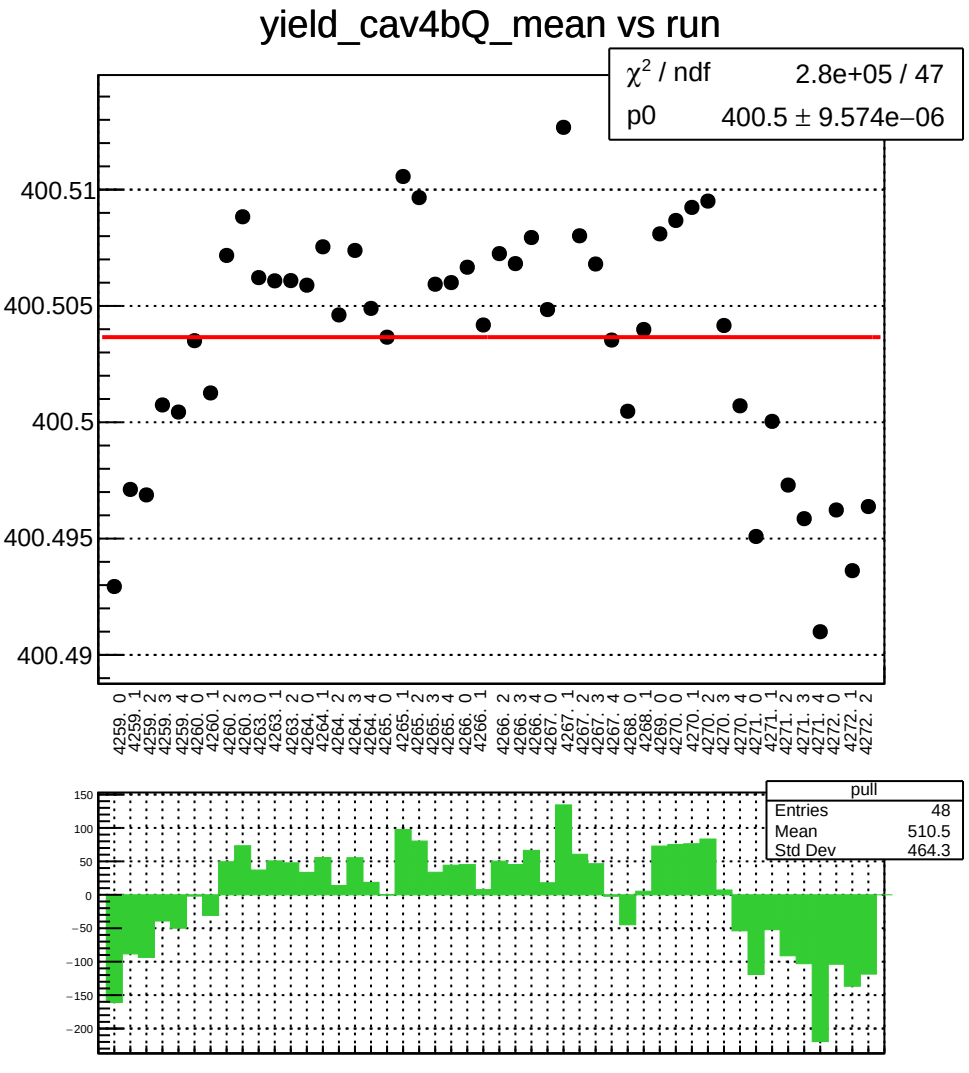

pull1D
Entries 48
Mean −1.6
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

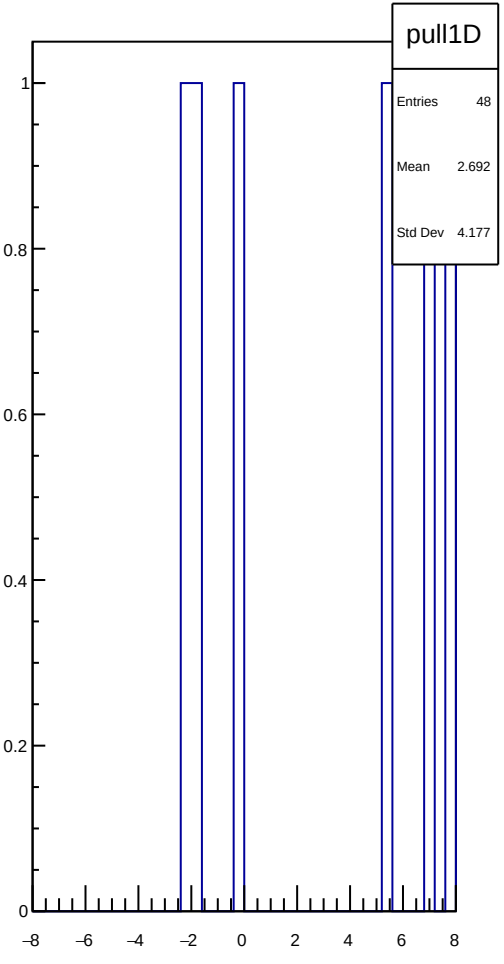

yield_bcm_dg_us_rms vs run
χ² / ndf 2.079e+04 / 47
p0 0.2045 ± 0.0002099
0.28
0.26
0.24
0.22
0.2
0.18
0.16
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

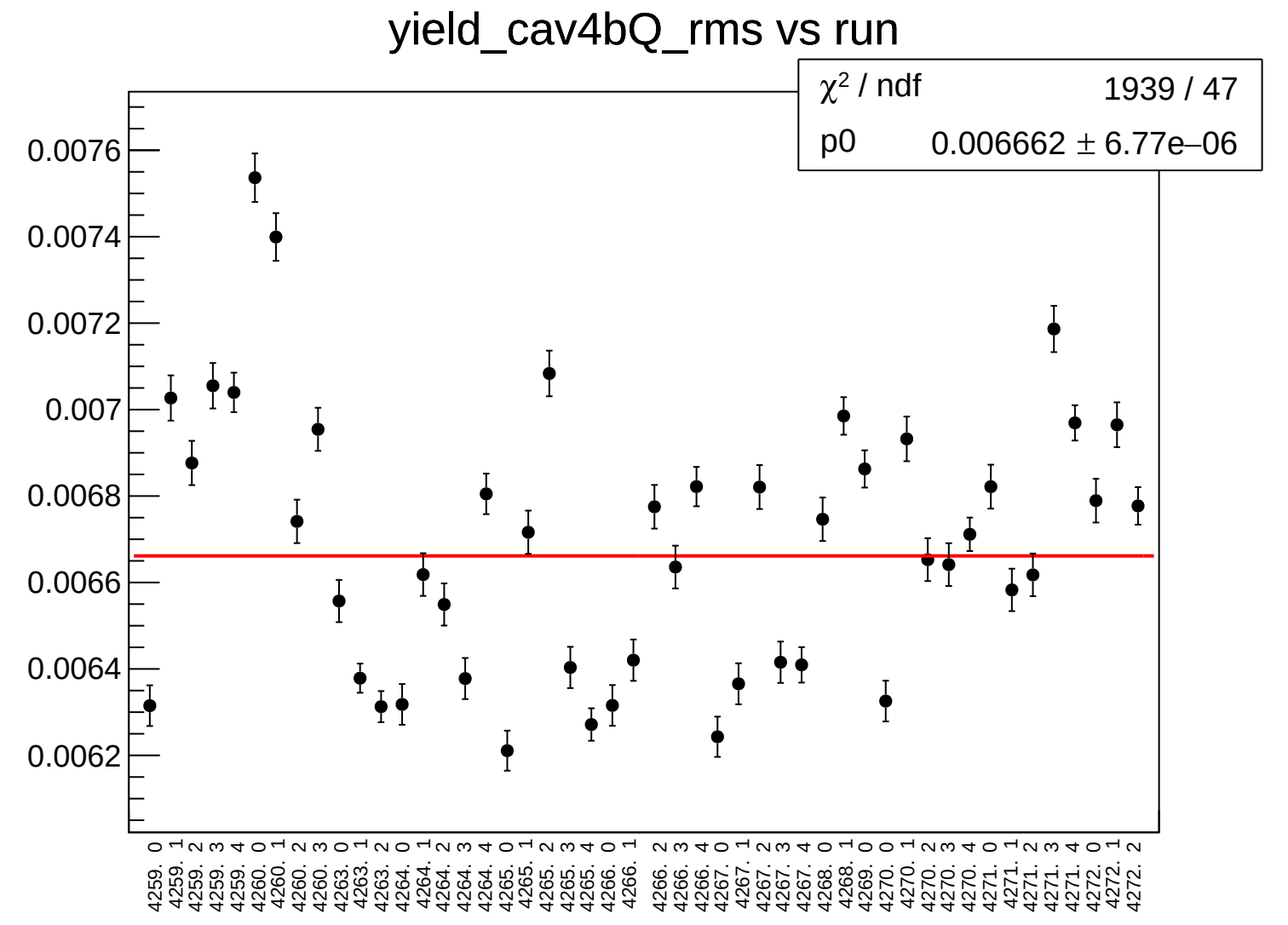

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.281e+06 / 47
p0 68.79 ± 0.0002909
69.4
69.2
69
68.8
68.6
68.4
68.2
68
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 19.09
Std Dev 48.05
400
300
200
100
0
−100
−200
−300
−400

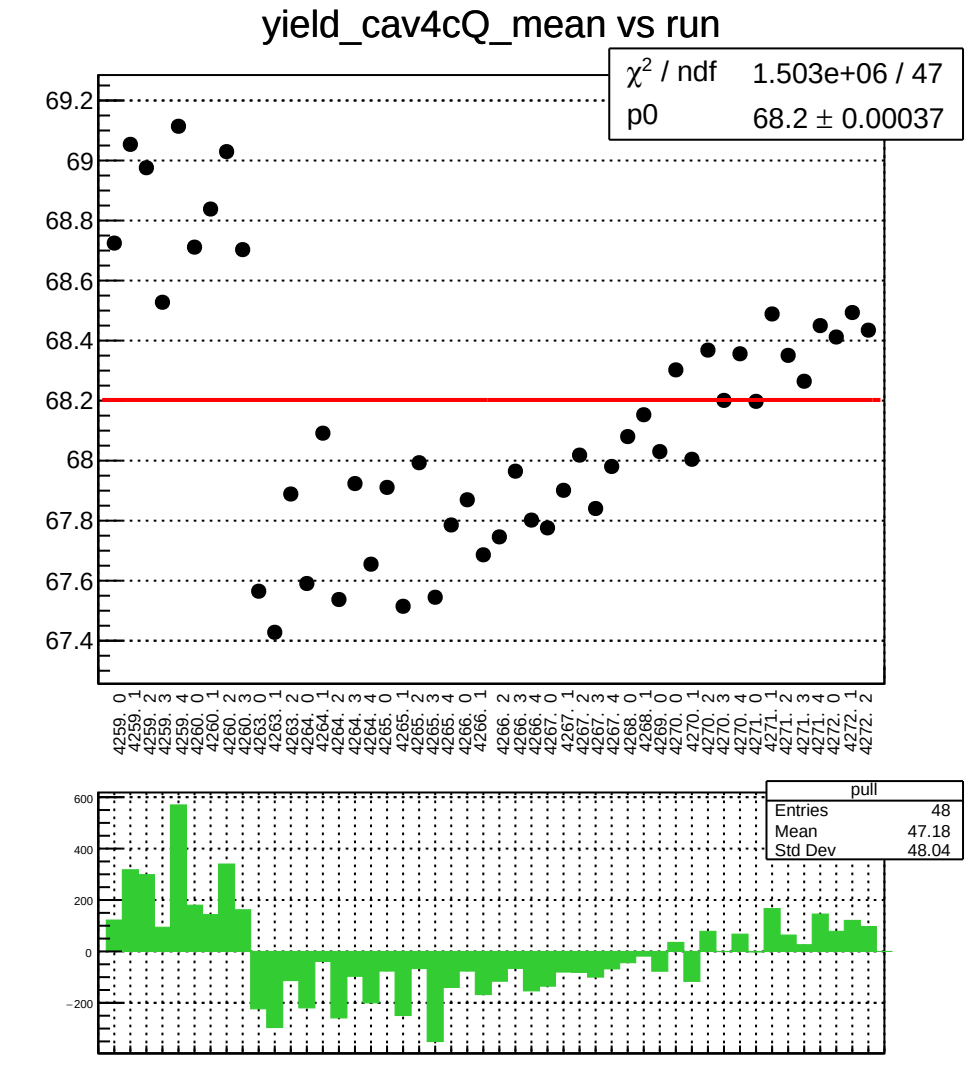

pull1D
Entries 48
Mean 6.026
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

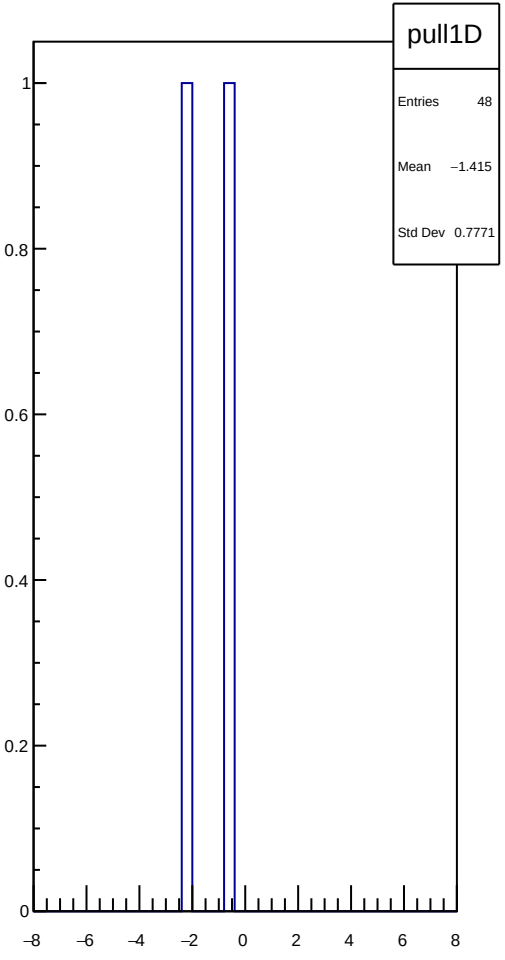

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.982e+04 / 47
p0 0.2005 ± 0.0002057
0.28
0.26
0.24
0.22
0.2
0.18
0.16
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

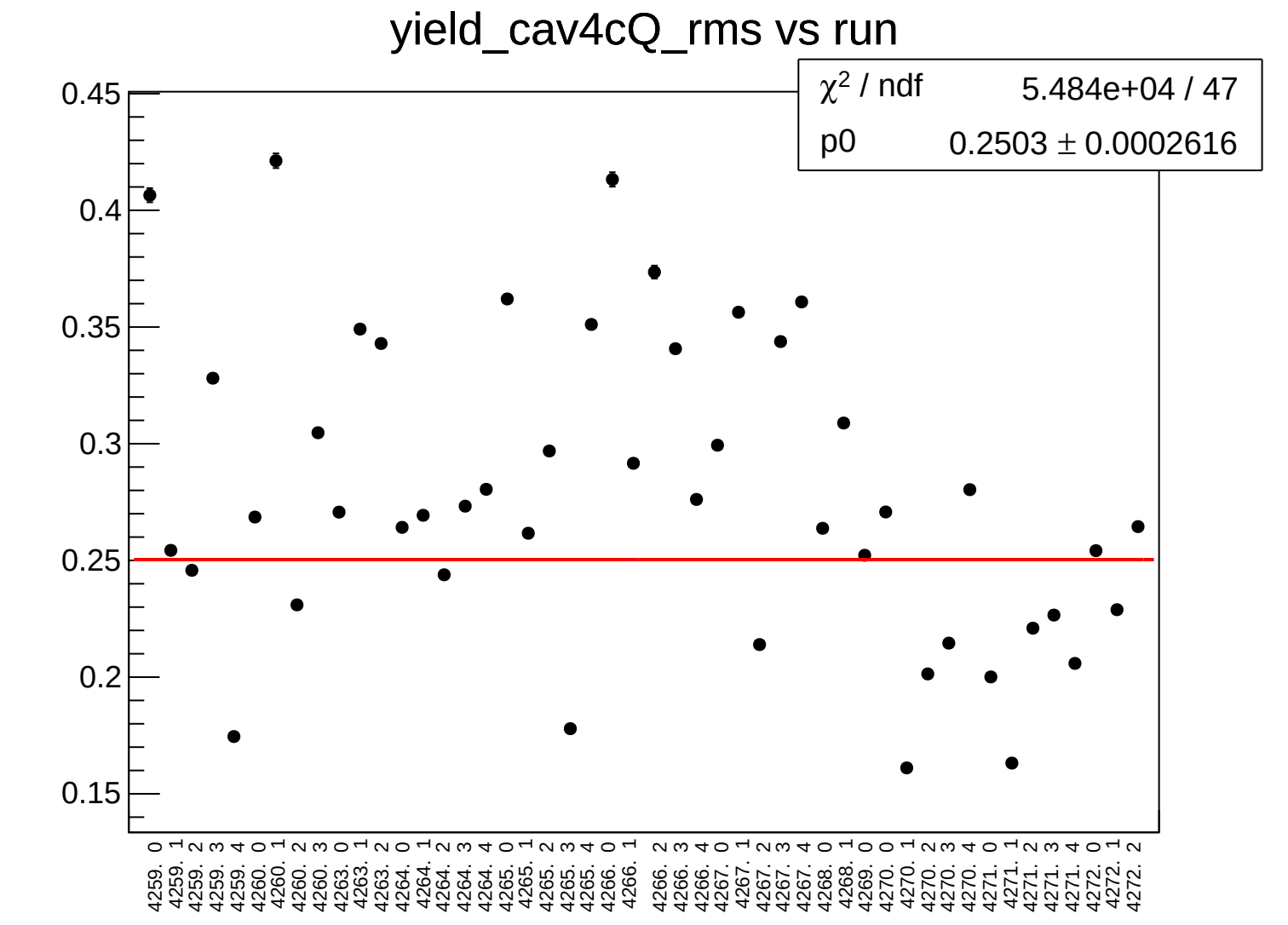

yield_cav4bQ_mean vs run
χ² / ndf 2.8e+05 / 47
p0 400.5 ± 9.574e−06
400.51
400.505
400.5
400.495
400.49
pull
Entries 48
Mean 510.5
Std Dev 464.3
150
100
50
0
−50
−100
−150
−200

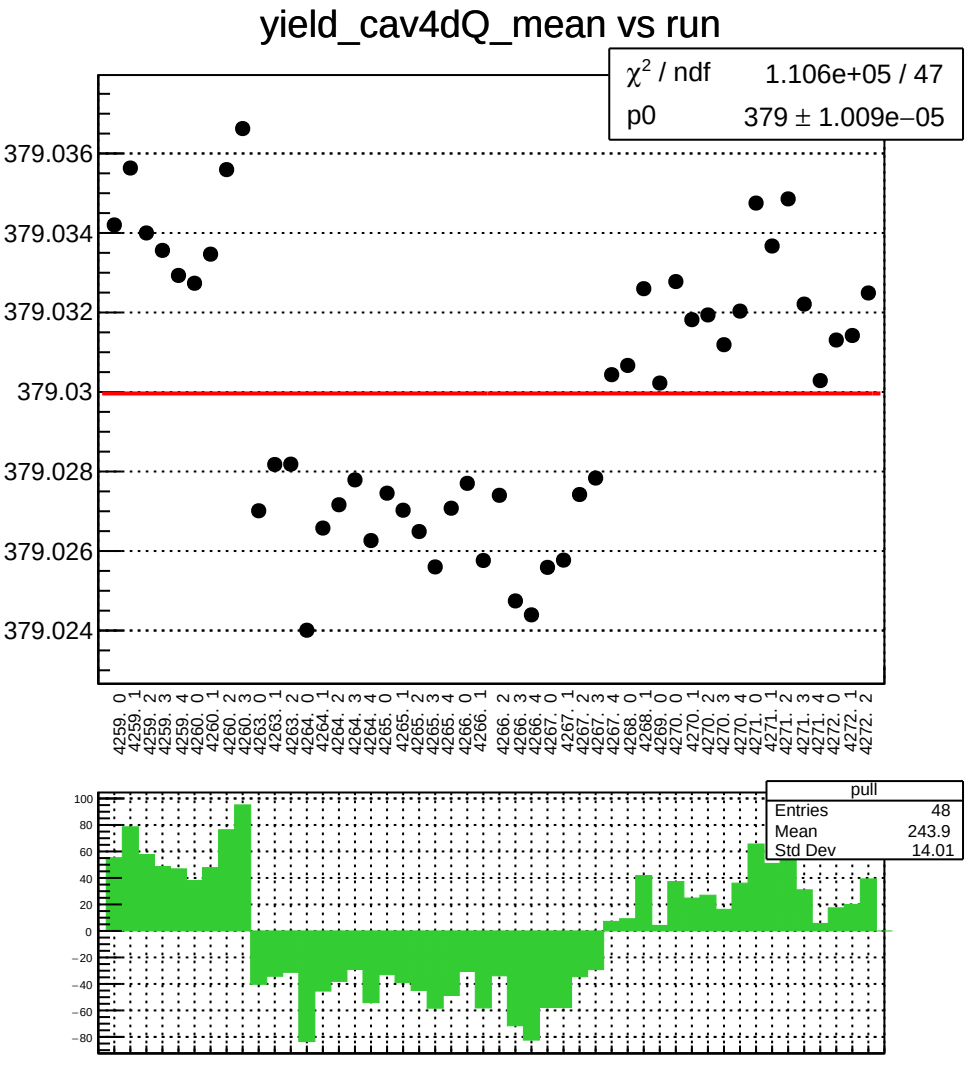

pull1D
Entries 48
Mean 2.692
Std Dev 4.177
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

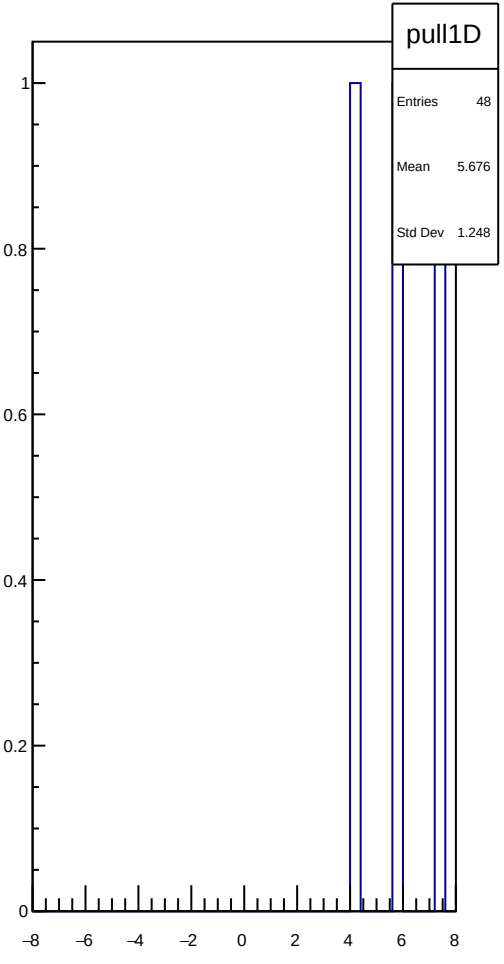

yield_cav4bQ_rms vs run
χ² / ndf 1939 / 47
p0 0.006662 ± 6.77e–06
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

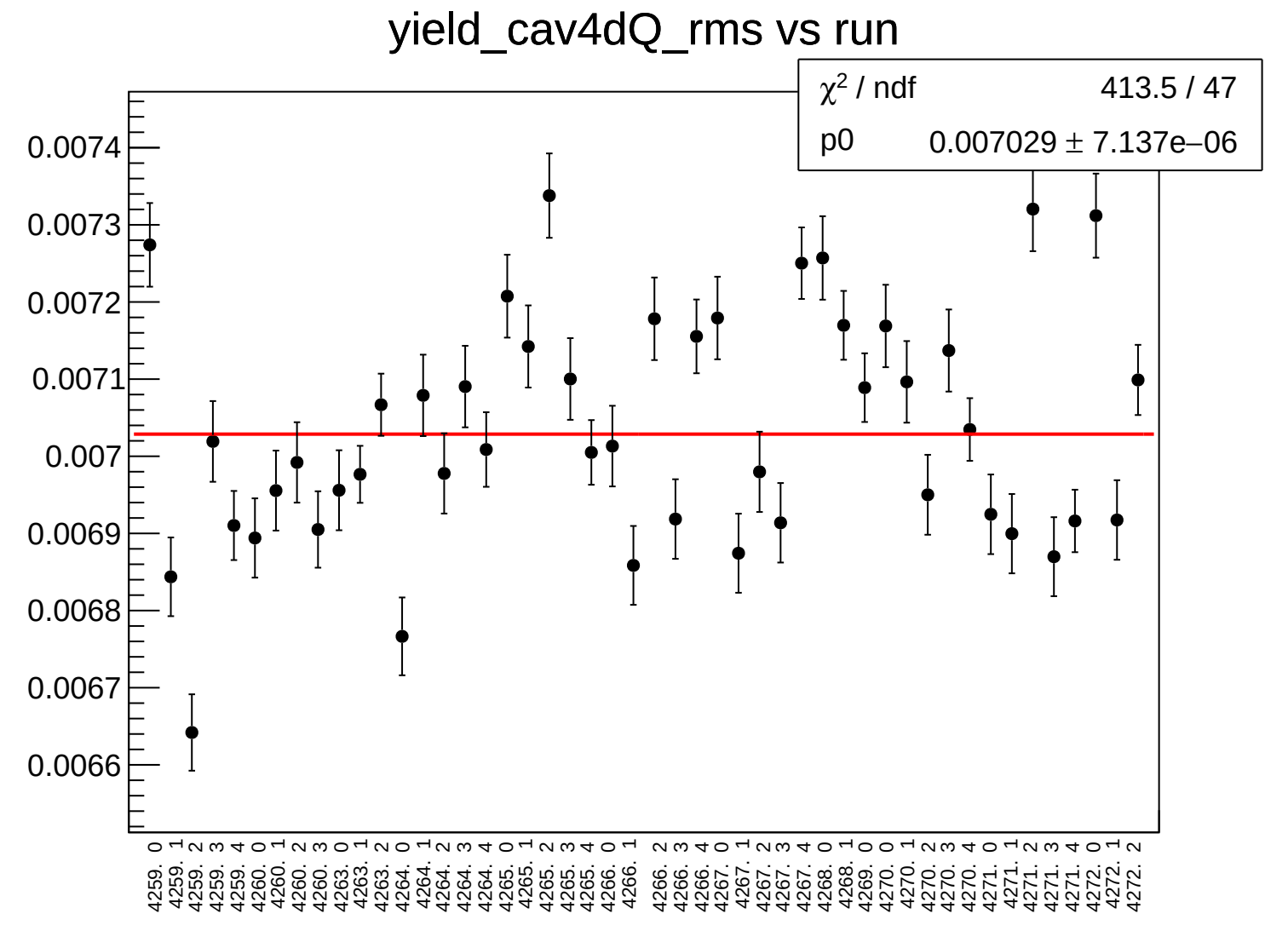

yield_cav4cQ_mean vs run
χ² / ndf 1.503e+06 / 47
p0 68.2 ± 0.00037
pull
Entries 48
Mean 47.18
Std Dev 48.04

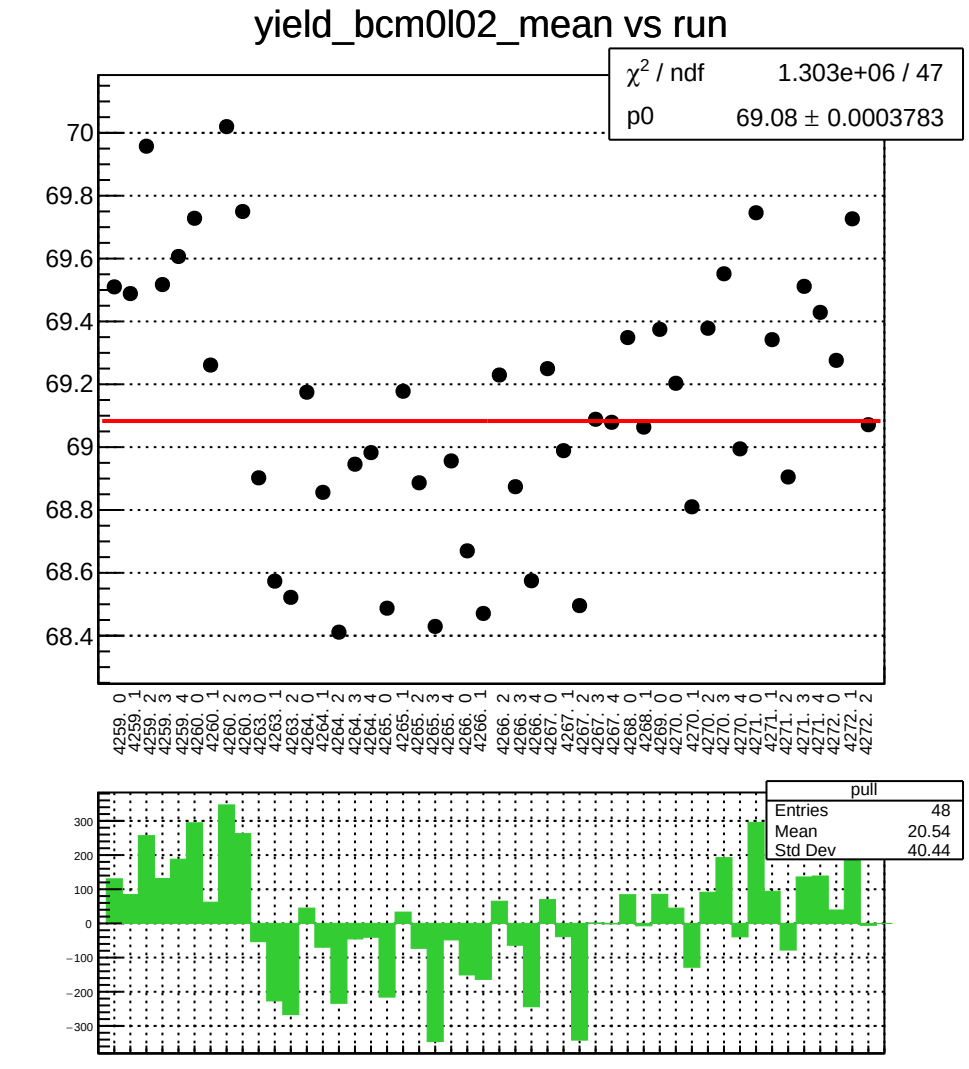

pull1D
Entries 48
Mean −1.415
Std Dev 0.7771

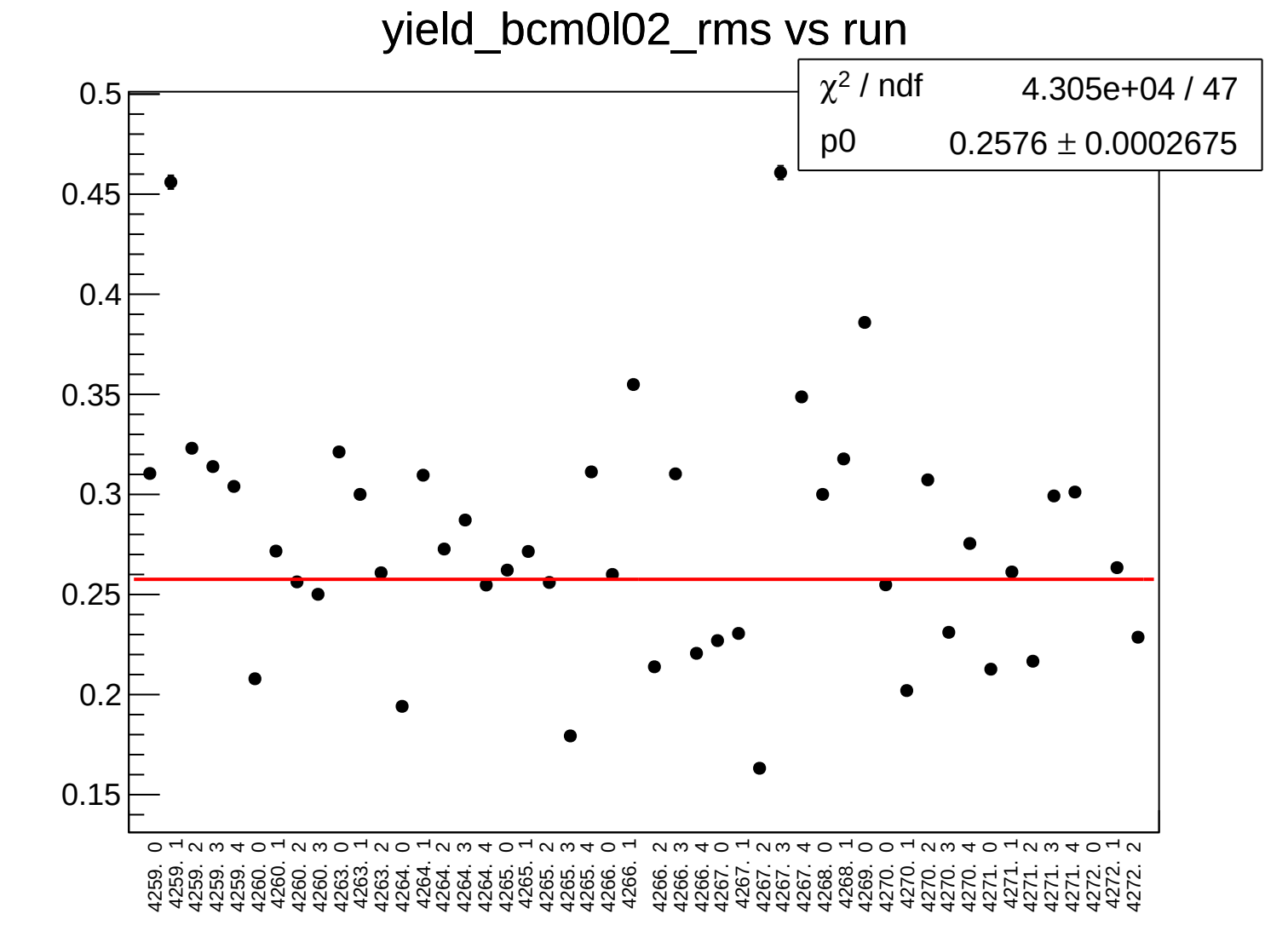

yield_cav4cQ_rms vs run
χ² / ndf 5.484e+04 / 47
p0 0.2503 ± 0.0002616
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

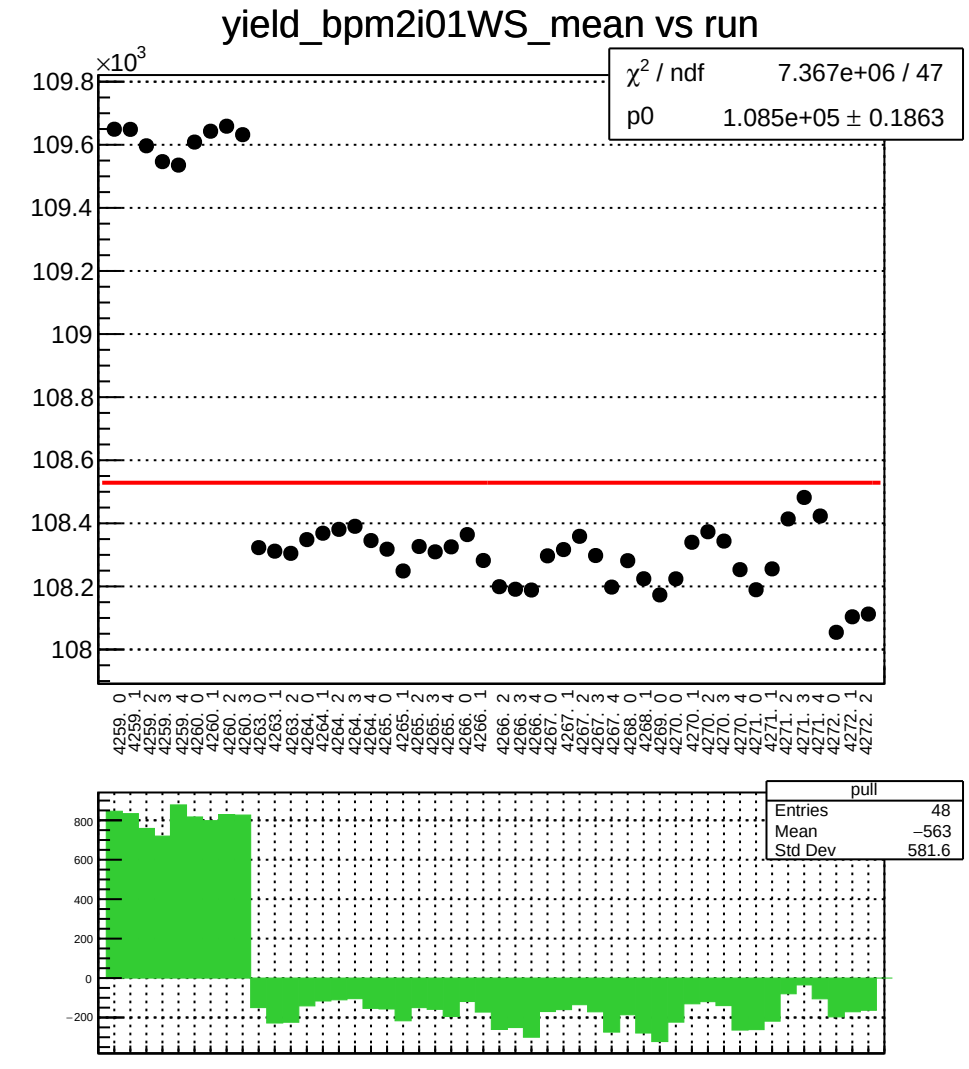

yield_cav4dQ_mean vs run
χ² / ndf 1.106e+05 / 47
p0 379 ± 1.009e−05
379.036
379.034
379.032
379.03
379.028
379.026
379.024
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 243.9
Std Dev 14.01
100
80
60
40
20
0
−20
−40
−60
−80

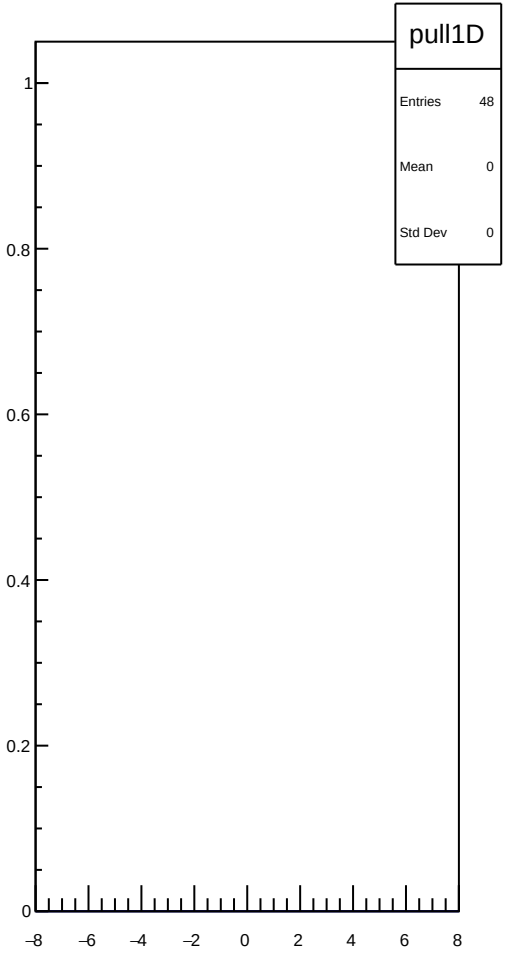

pull1D
Entries 48
Mean 5.676
Std Dev 1.248
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

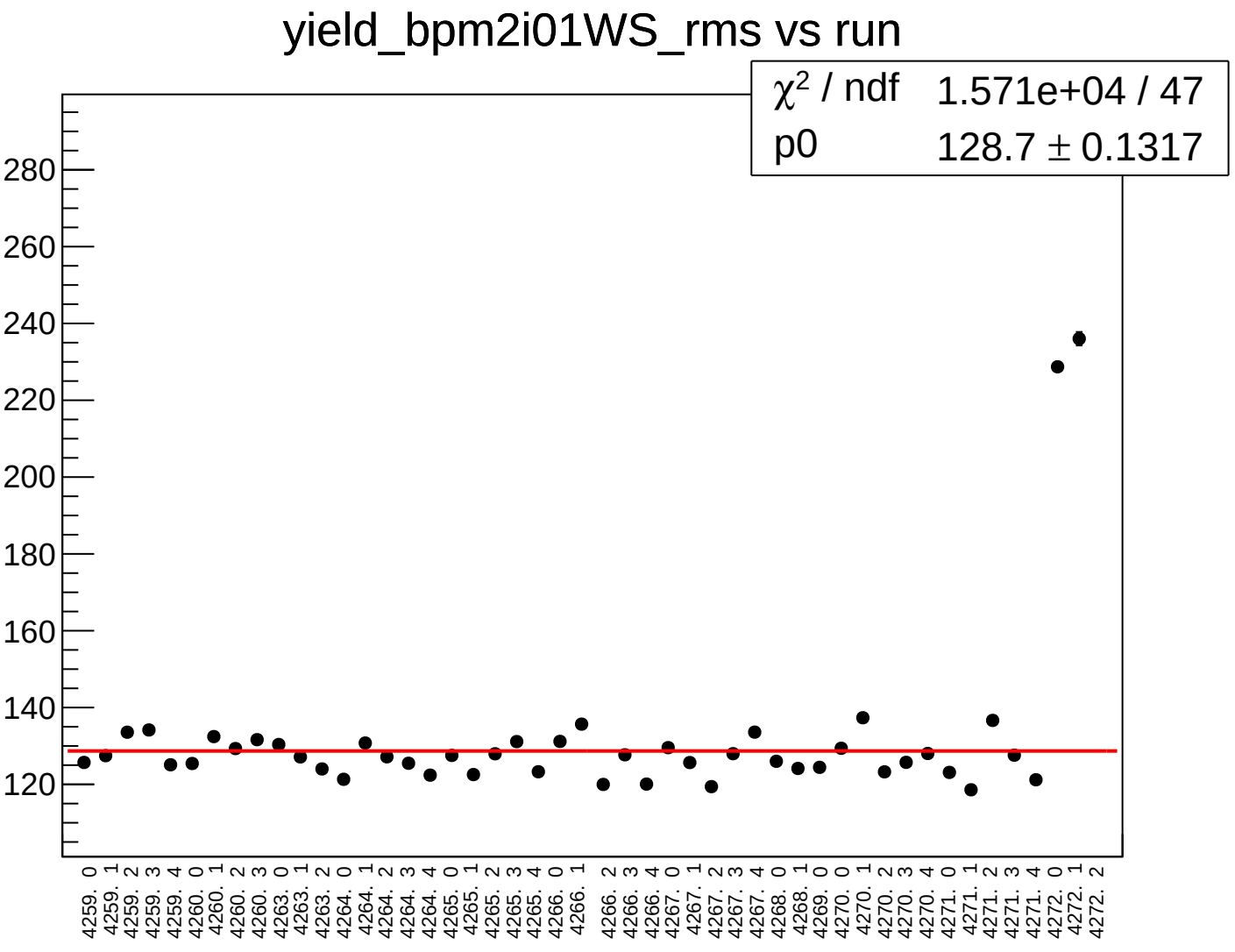

yield_cav4dQ_rms vs run
χ² / ndf 413.5 / 47
p0 0.007029 ± 7.137e−06
0.0074
0.0073
0.0072
0.0071
0.007
0.0069
0.0068
0.0067
0.0066
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

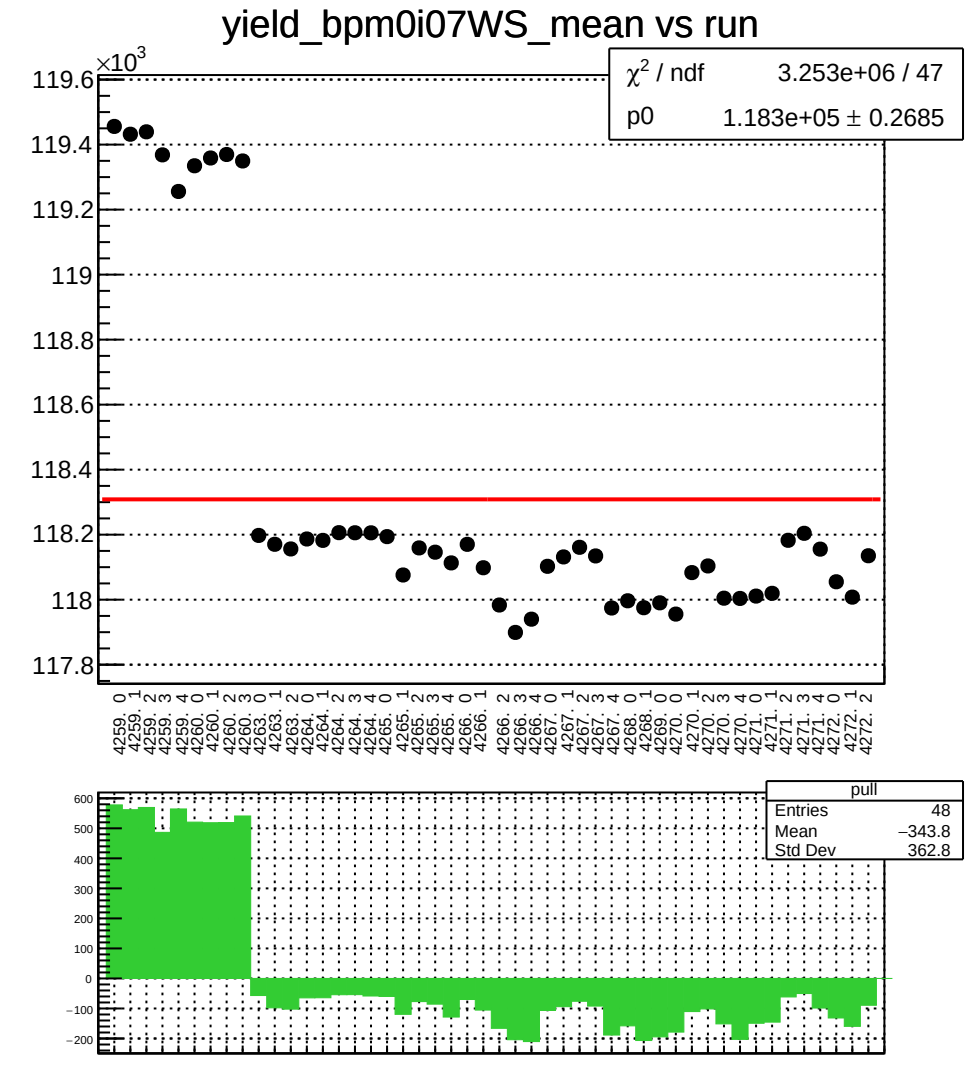

yield_bcm0l02_mean vs run
χ² / ndf 1.303e+06 / 47
p0 69.08 ± 0.0003783
70
69.8
69.6
69.4
69.2
69
68.8
68.6
68.4
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 20.54
Std Dev 40.44
300
200
100
0
−100
−200
−300
pull1D
Entries 48
Mean −3.183
Std Dev 3.252
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

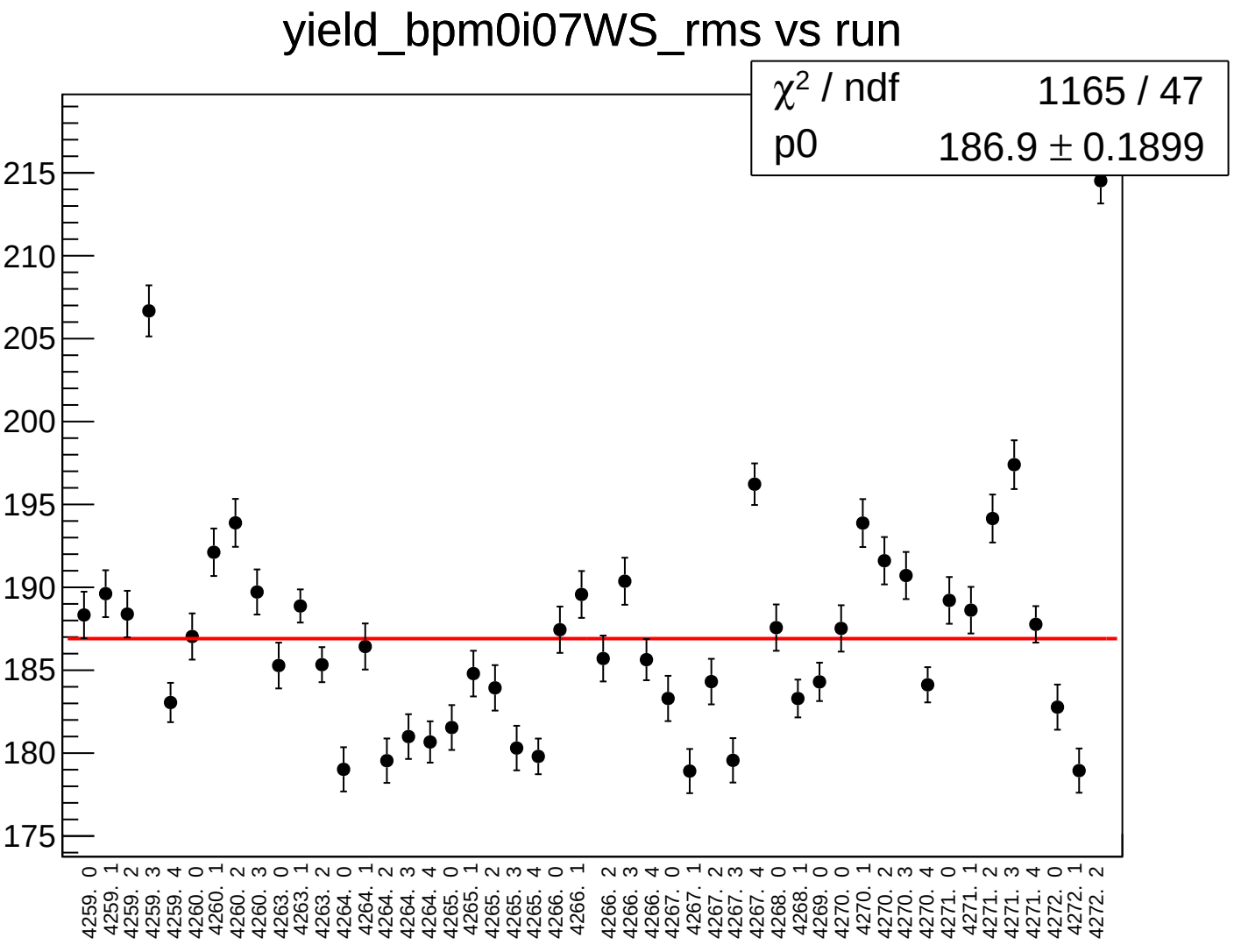

yield_bcm0l02_rms vs run
χ² / ndf 4.305e+04 / 47
p0 0.2576 ± 0.0002675
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

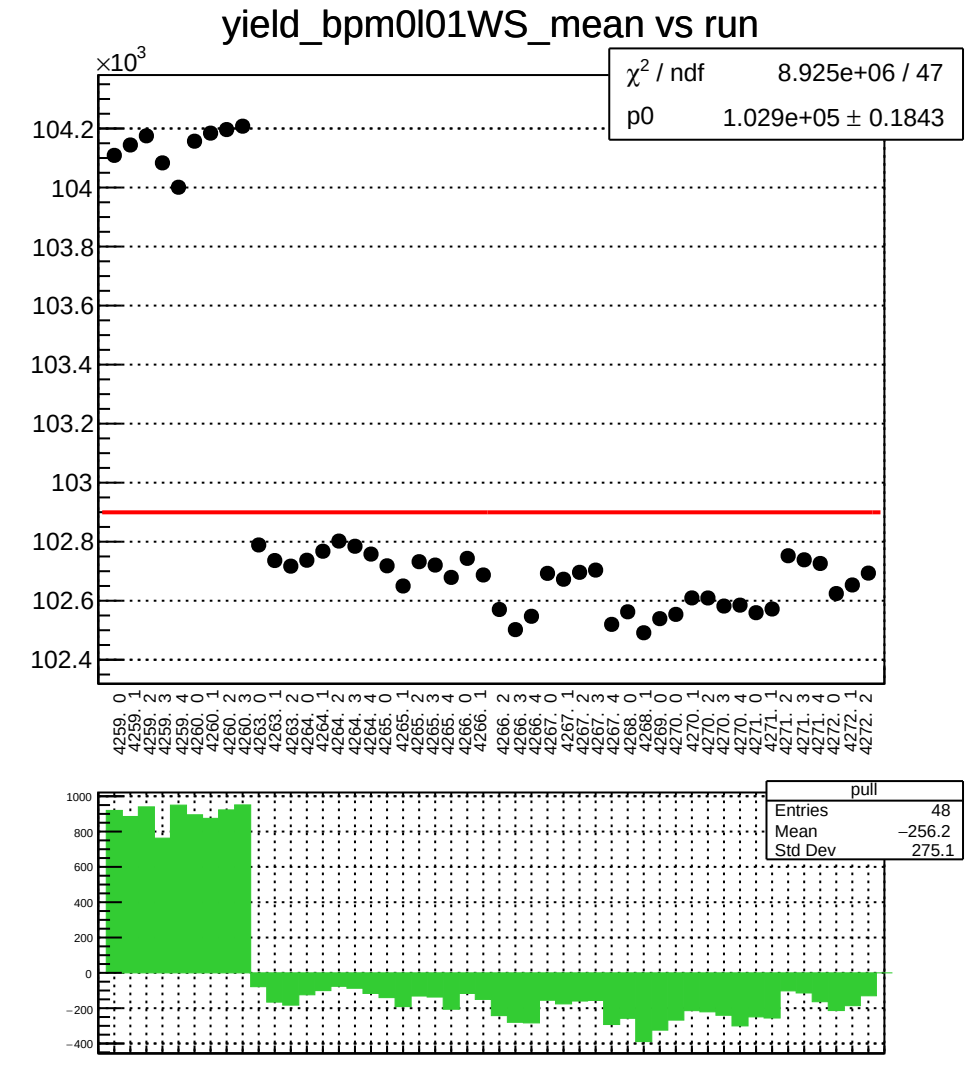

yield_bpm2i01WS_mean vs run
×10^3
χ^2 / ndf 7.367e+06 / 47
p0 1.085e+05 ± 0.1863
109.8
109.6
109.4
109.2
109
108.8
108.6
108.4
108.2
108
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −563
Std Dev 581.6
800
600
400
200
0
−200

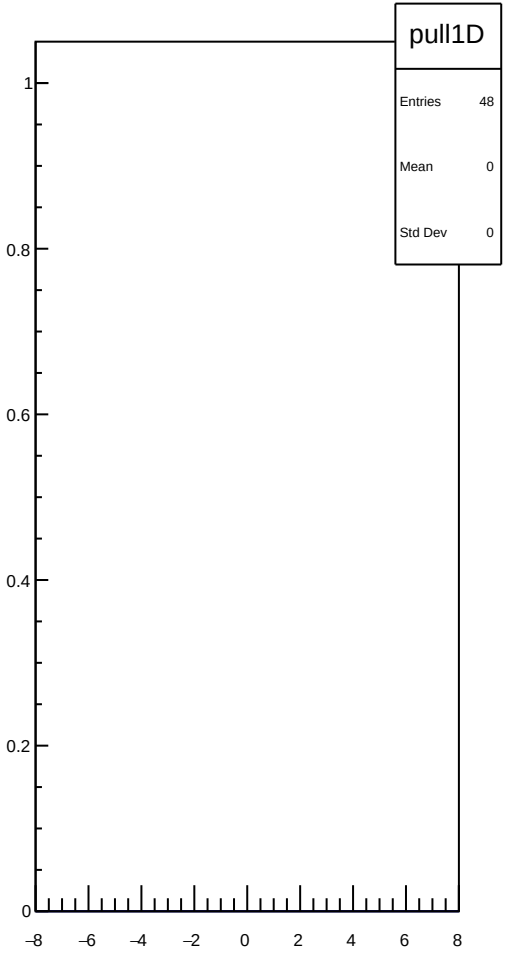

pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

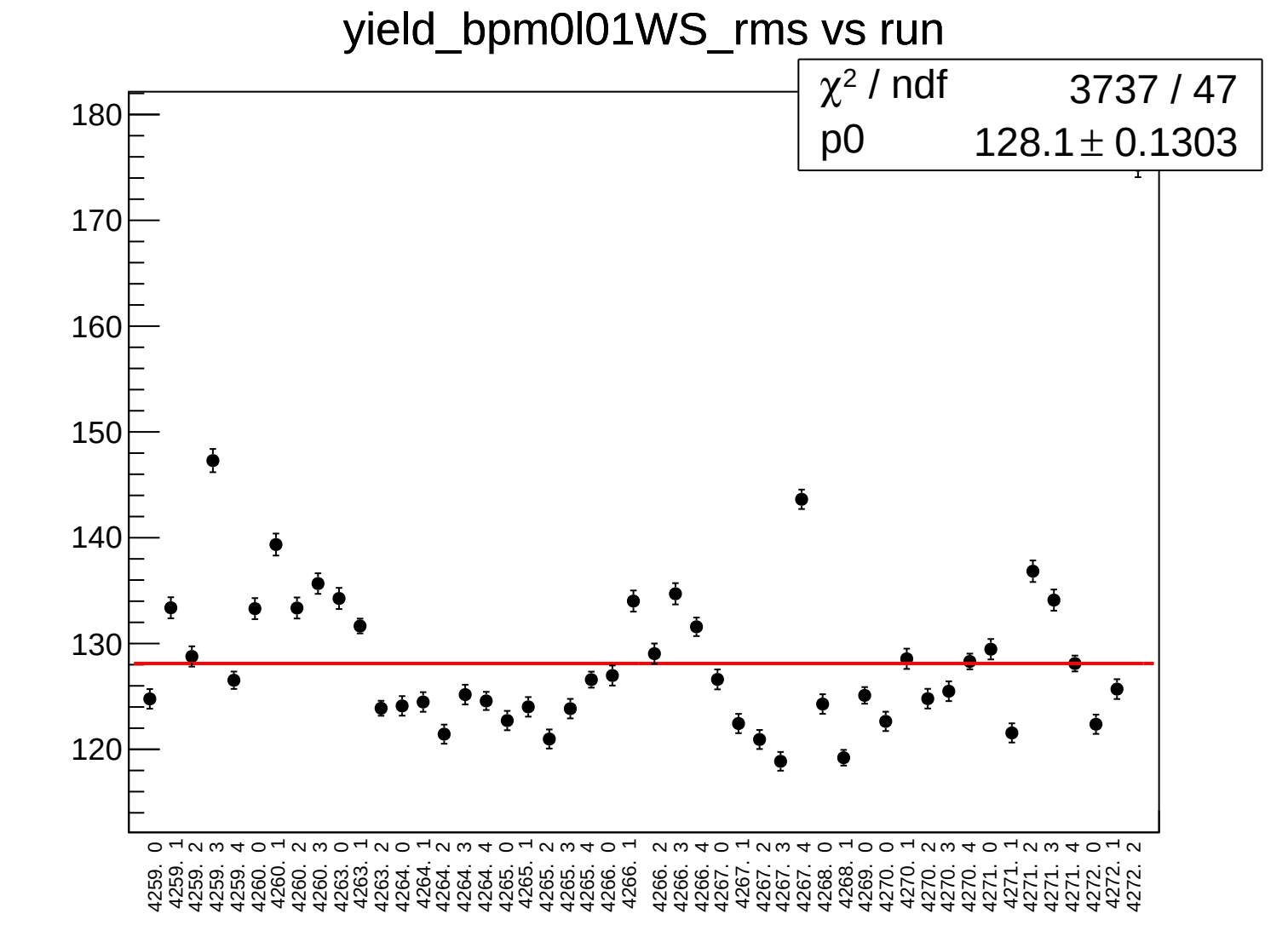

yield_bpm2i01WS_rms vs run
χ² / ndf 1.571e+04 / 47
p0 128.7 ± 0.1317
280
260
240
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

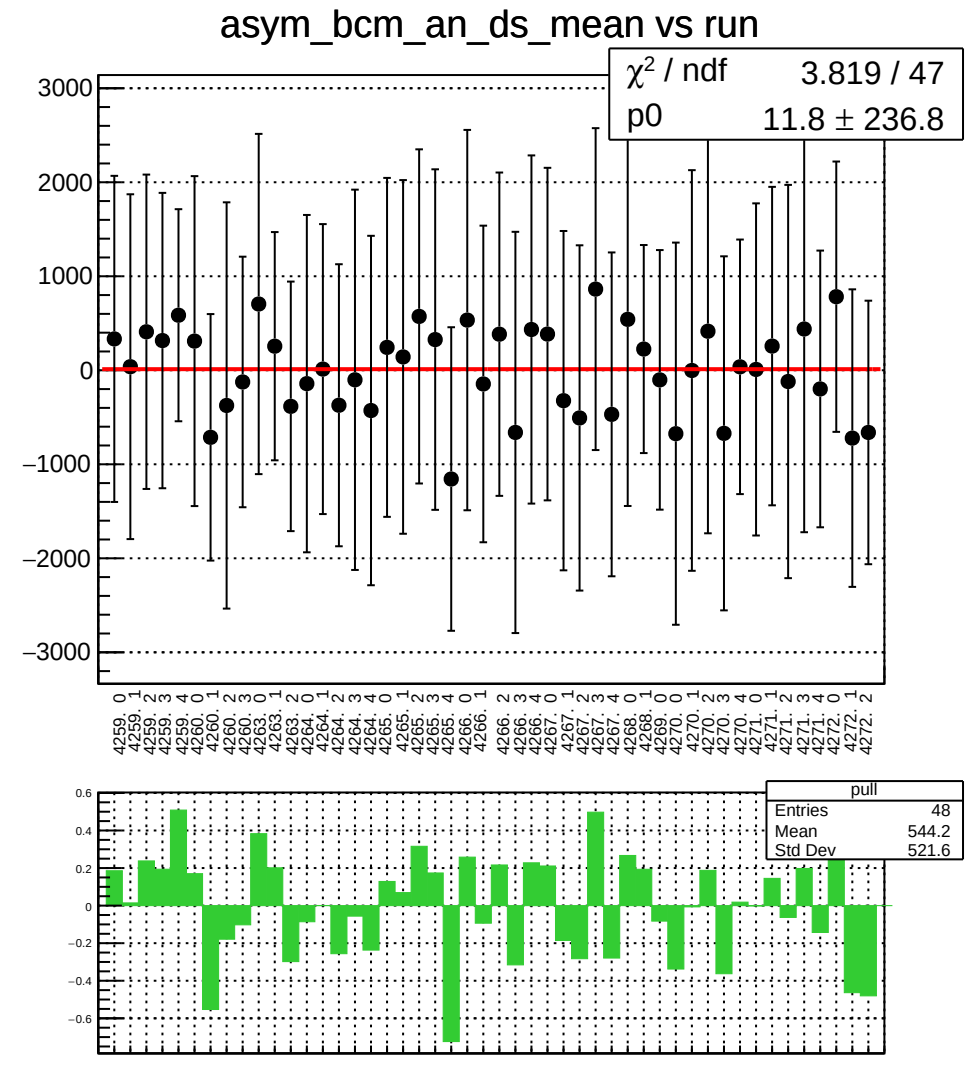

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.253e+06 / 47
p0 1.183e+05 ± 0.2685
119.6
119.4
119.2
119
118.8
118.6
118.4
118.2
118
117.8
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −343.8
Std Dev 362.8
600
500
400
300
200
100
0
−100
−200
pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

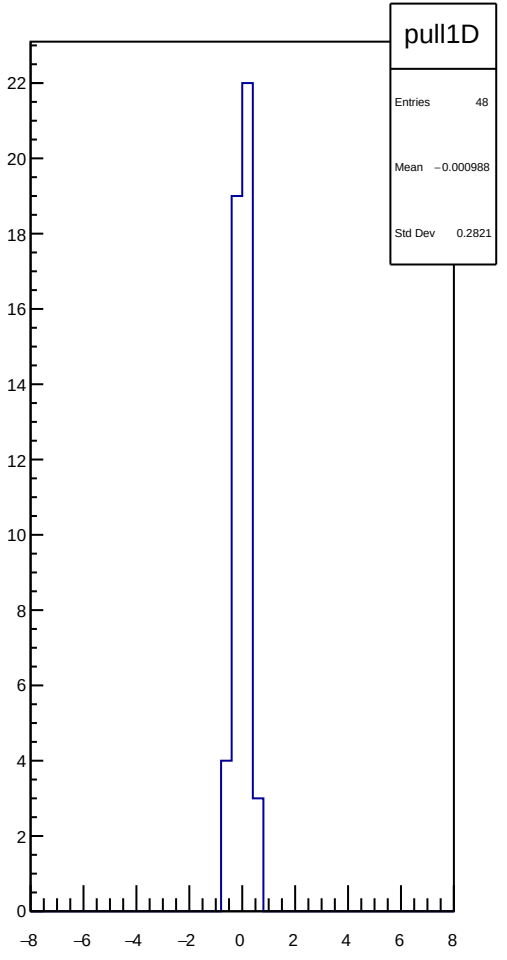

yield_bpm0i07WS_rms vs run
χ² / ndf 1165 / 47
p0 186.9 ± 0.1899
215
210
205
200
195
190
185
180
175
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

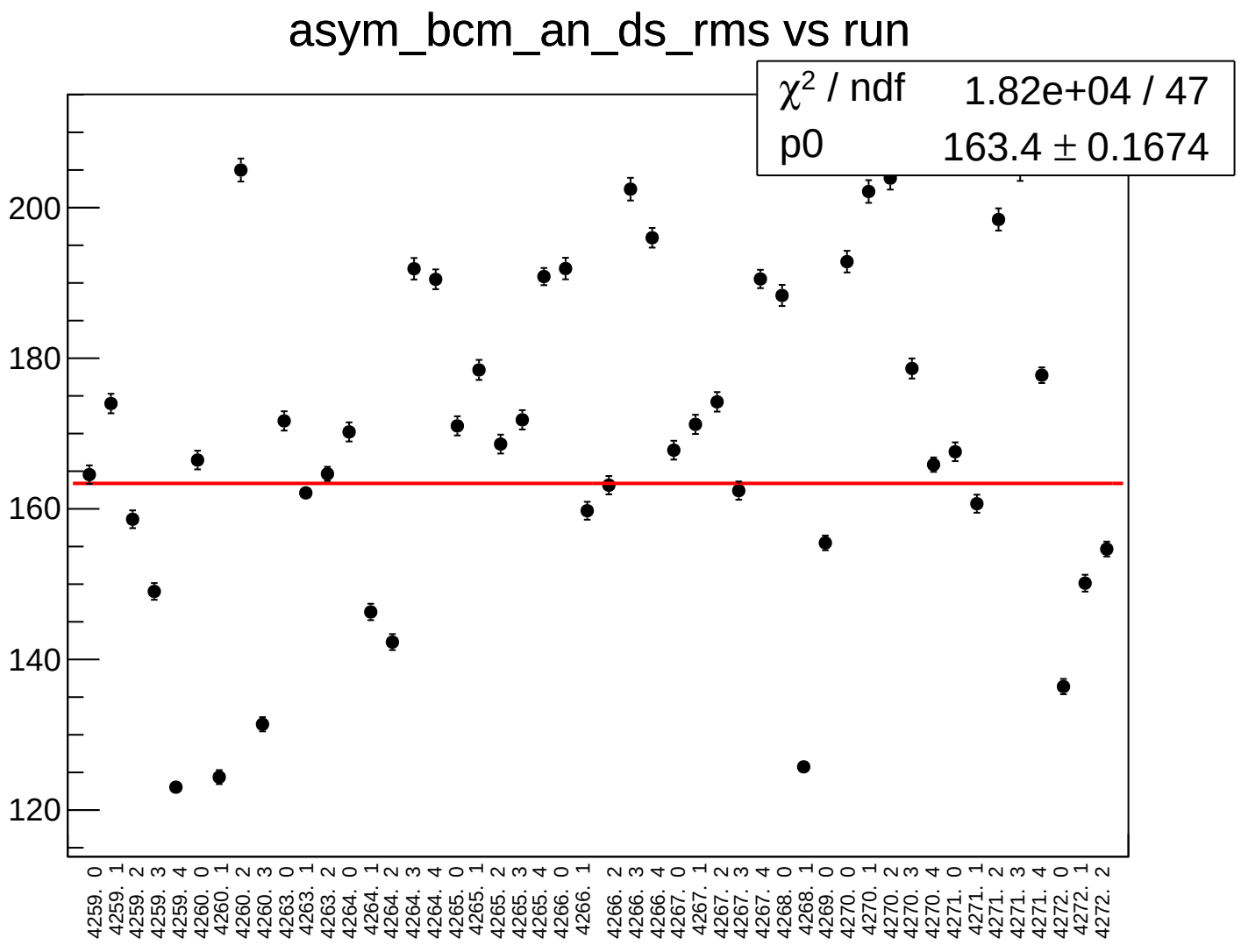

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 8.925e+06 / 47
p0 1.029e+05 ± 0.1843
104.2
104
103.8
103.6
103.4
103.2
103
102.8
102.6
102.4
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −256.2
Std Dev 275.1
1000
800
600
400
200
0
−200
−400

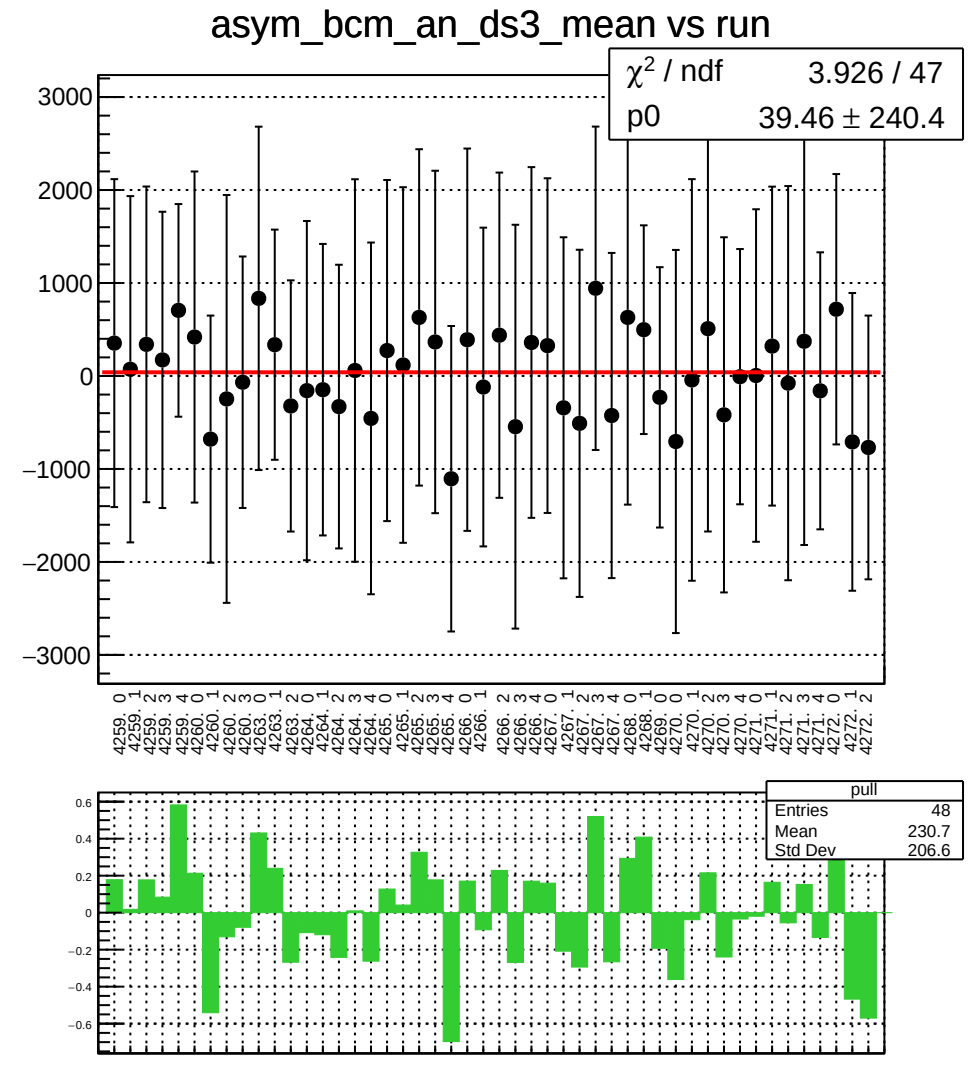

pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

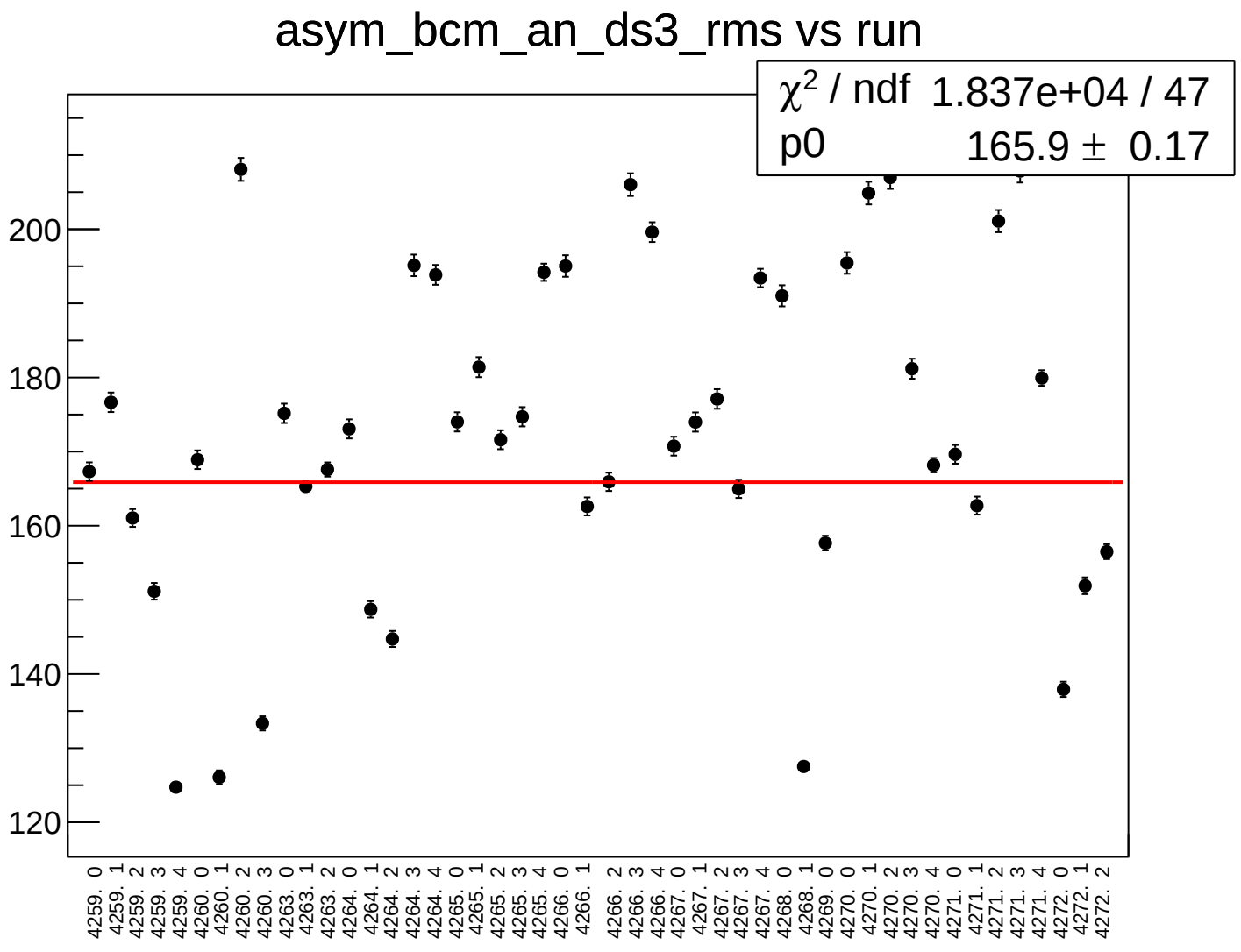

yield_bpm0l01WS_rms vs run
χ² / ndf 3737 / 47
p0 128.1 ± 0.1303
180
170
160
150
140
130
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

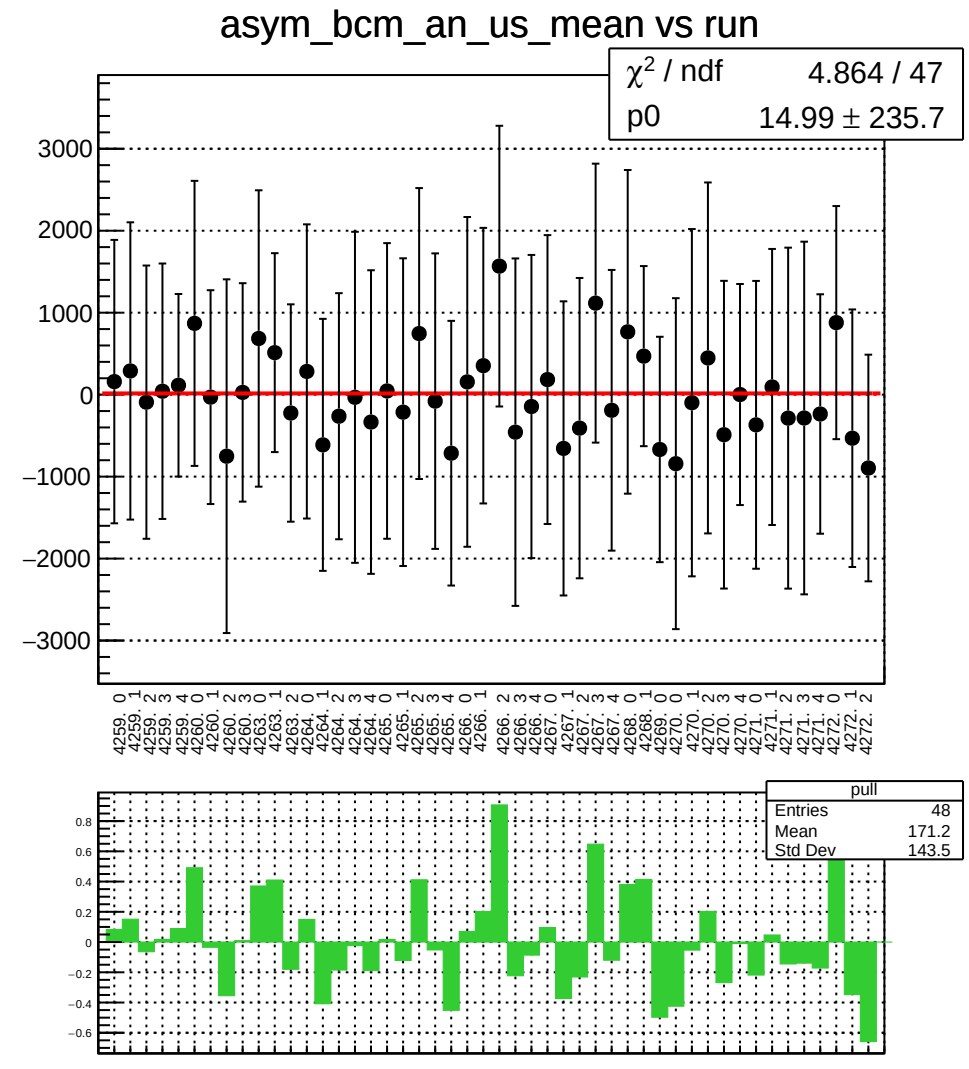

asym_bcm_an_ds_mean vs run
χ² / ndf 3.819 / 47
p0 11.8 ± 236.8
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 544.2
Std Dev 521.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

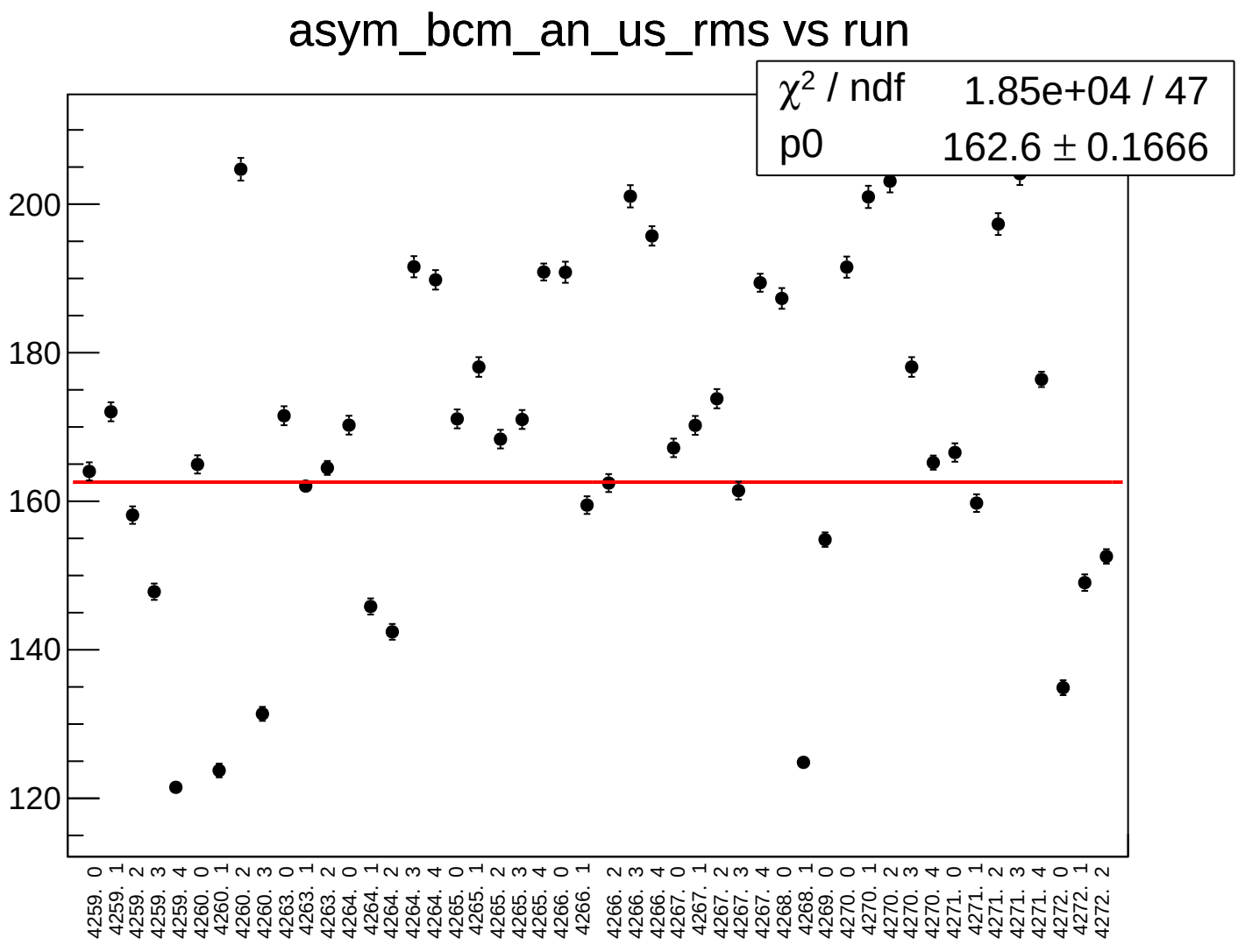

pull1D
Entries 48
Mean −0.000988
Std Dev 0.2821
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

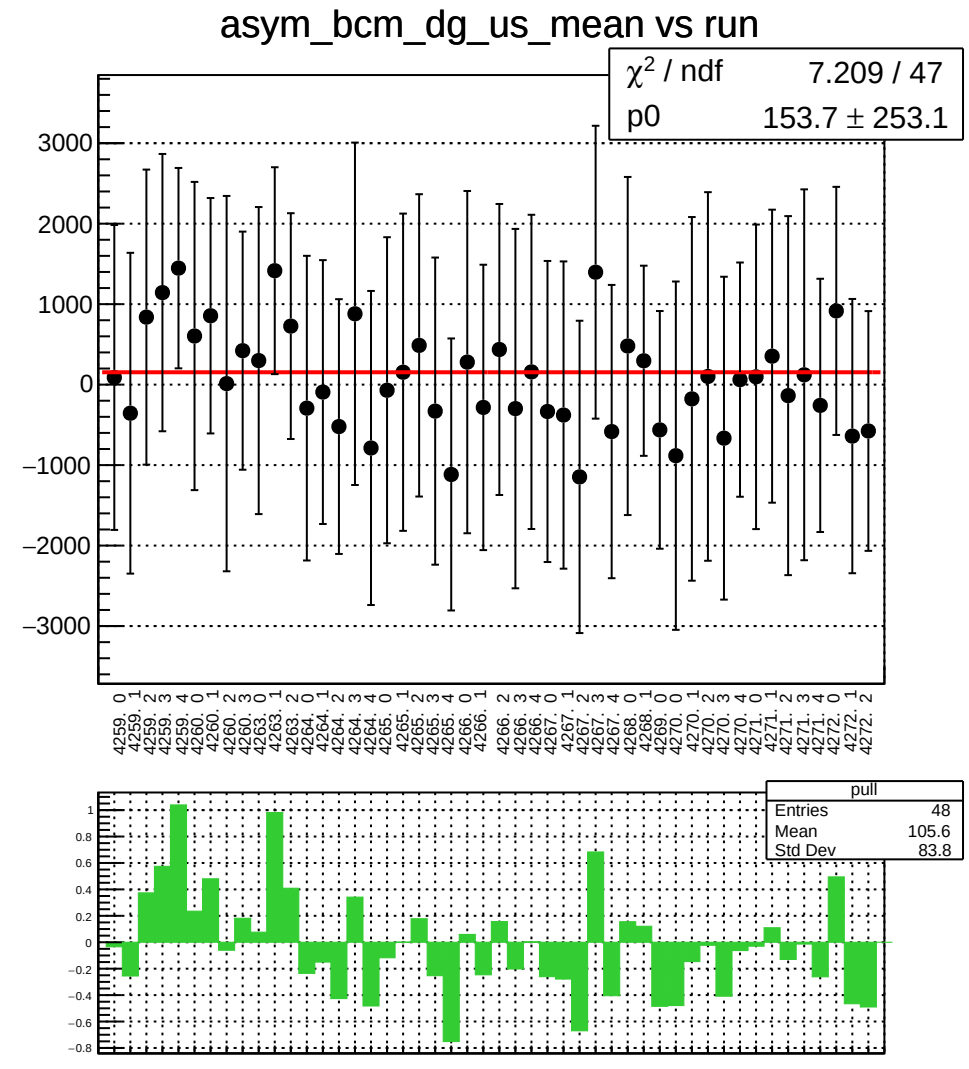

asym_bcm_an_ds_rms vs run
χ² / ndf 1.82e+04 / 47
p0 163.4 ± 0.1674
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

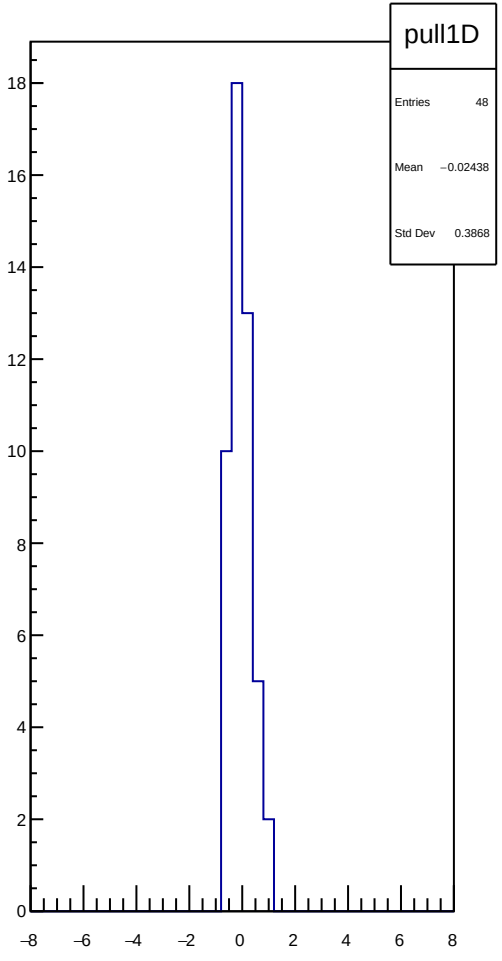

asym_bcm_an_ds3_mean vs run
χ² / ndf 3.926 / 47
p0 39.46 ± 240.4
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 230.7
Std Dev 206.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.002781
Std Dev 0.286
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

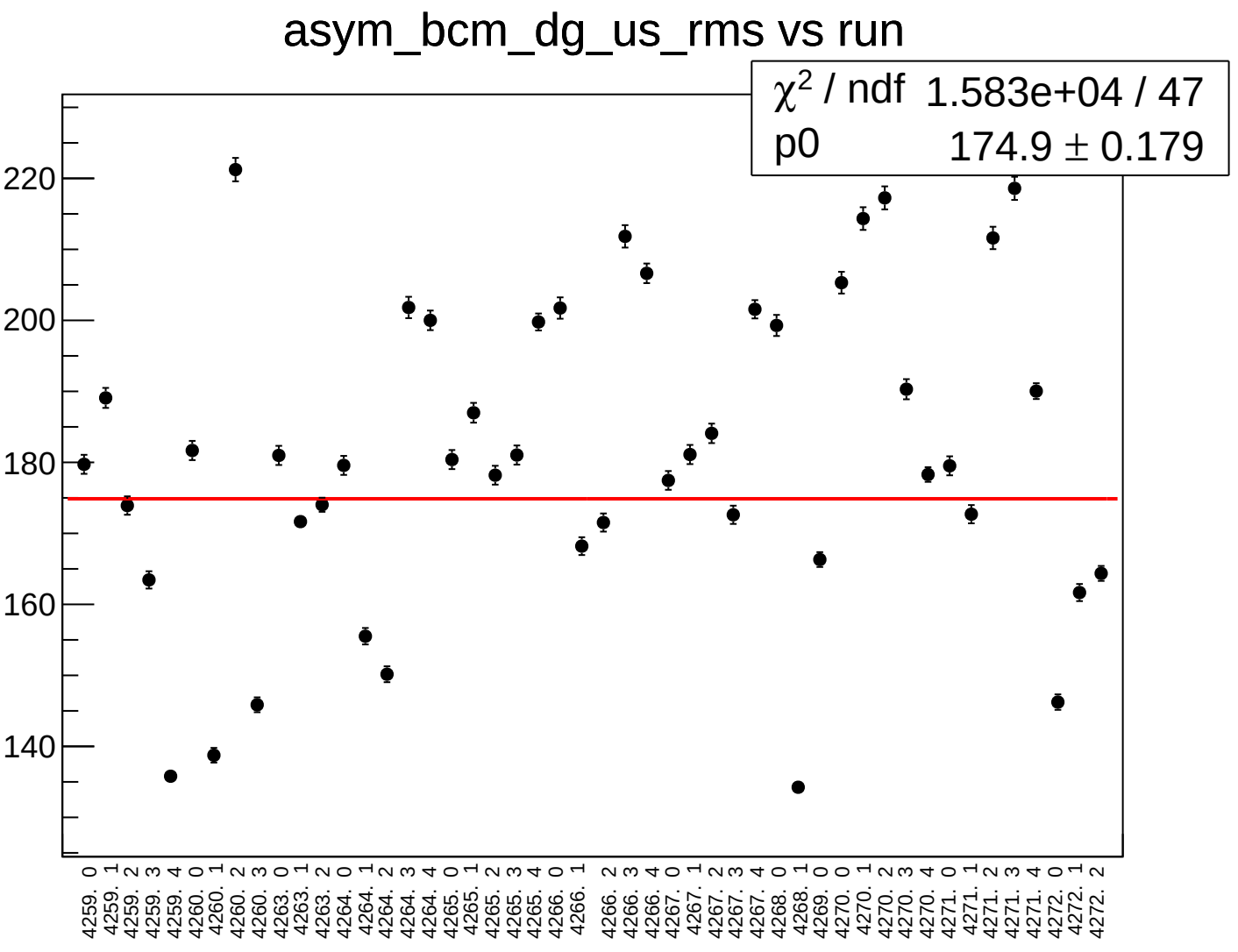

asym_bcm_an_ds3_rms vs run
χ² / ndf 1.837e+04 / 47
p0 165.9 ± 0.17
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

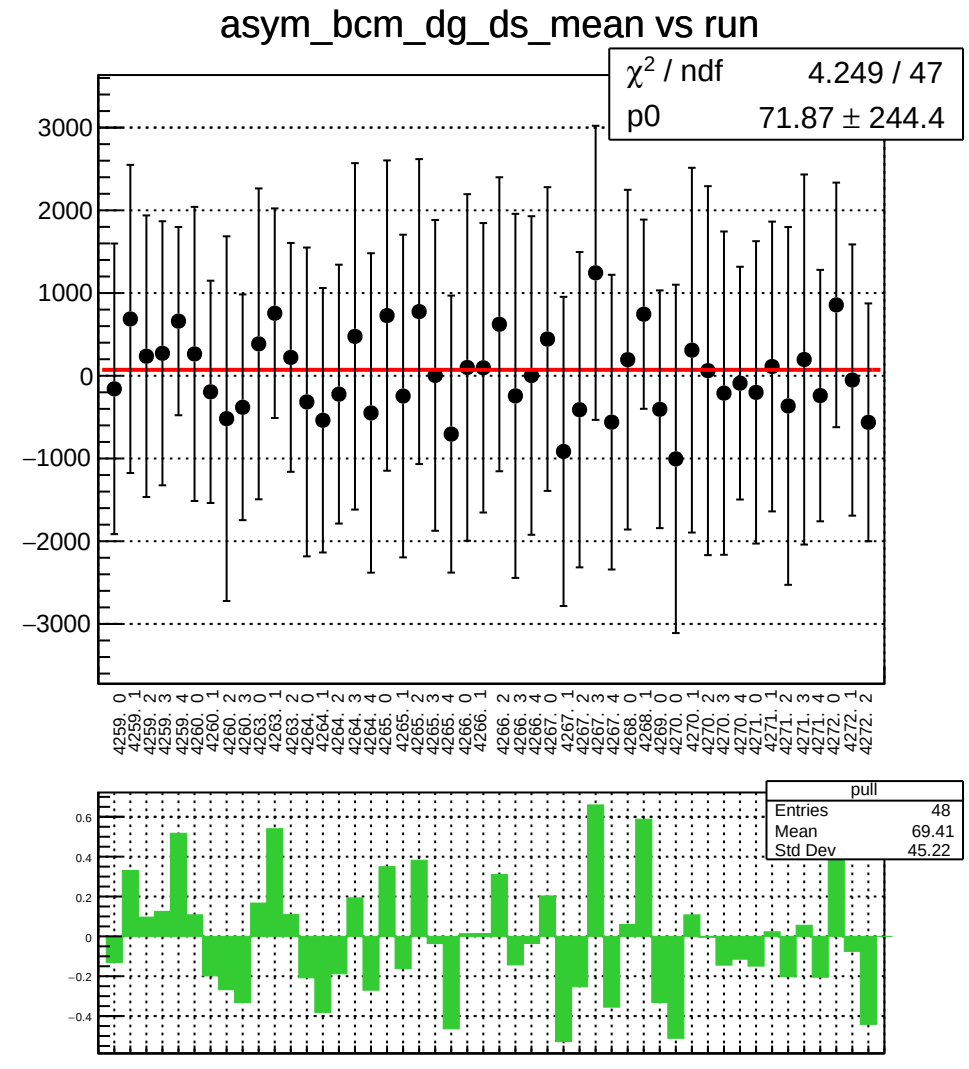

asym_bcm_an_us_mean vs run
χ² / ndf 4.864 / 47
p0 14.99 ± 235.7
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 171.2
Std Dev 143.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.005382
Std Dev 0.3183
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

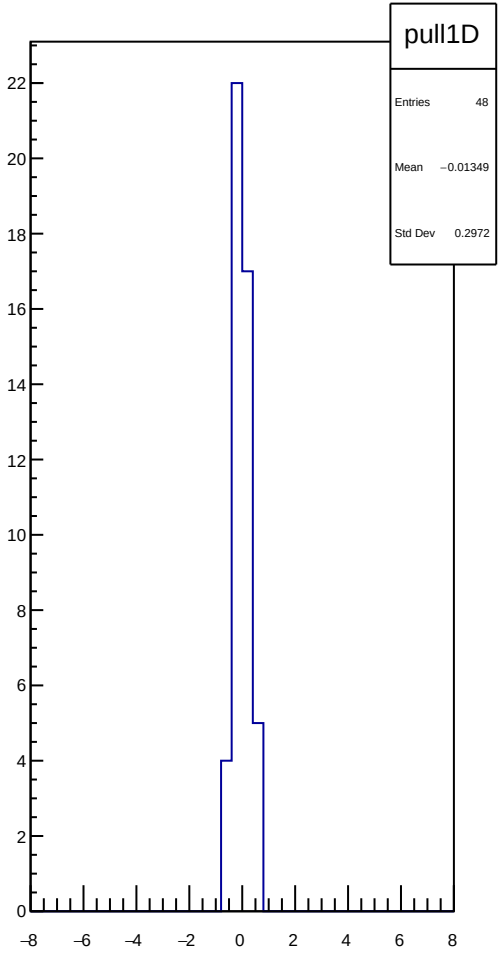

asym_bcm_an_us_rms vs run
χ² / ndf 1.85e+04 / 47
p0 162.6 ± 0.1666
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

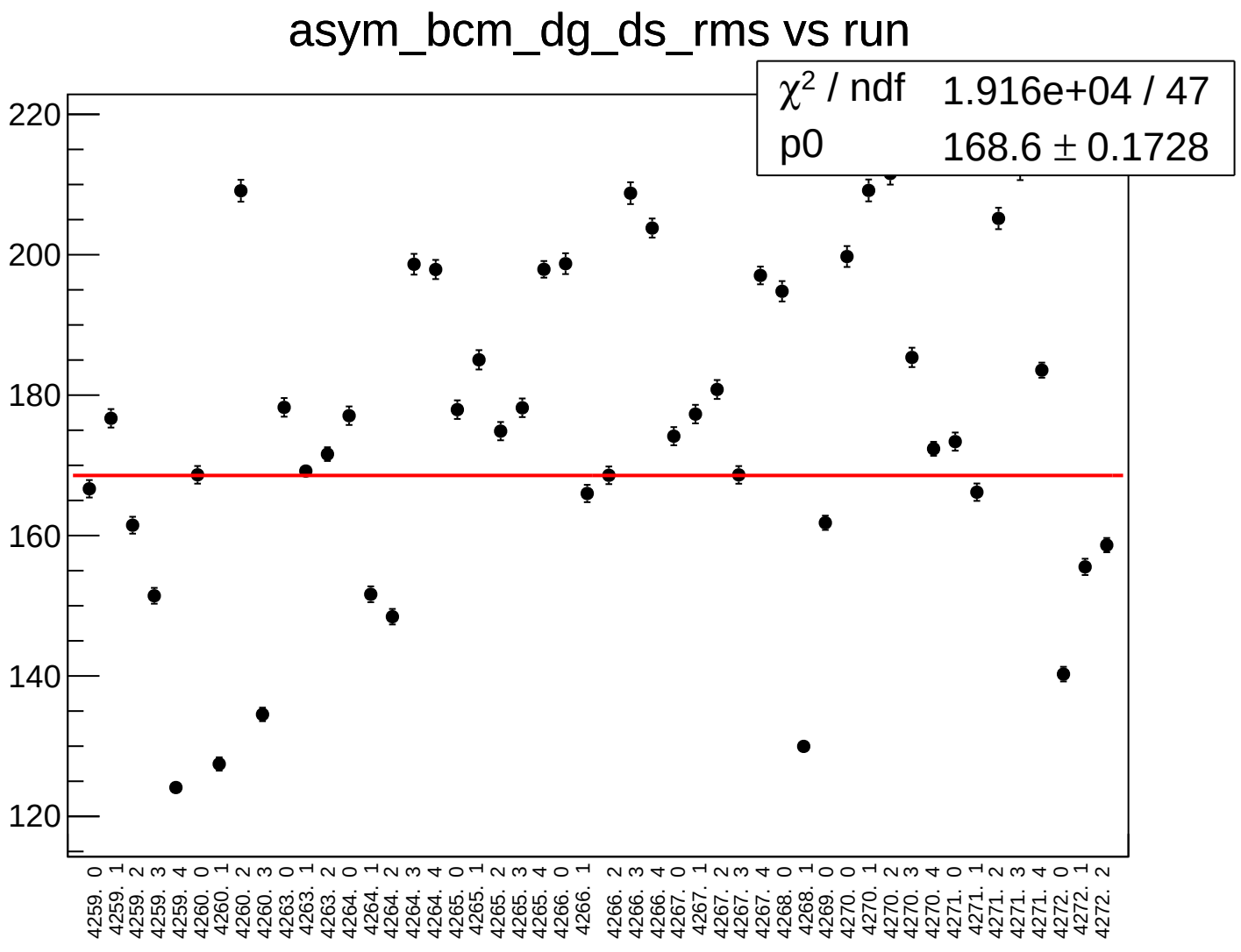

asym_bcm_dg_us_mean vs run
χ² / ndf 7.209 / 47
p0 153.7 ± 253.1
pull
Entries 48
Mean 105.6
Std Dev 83.8

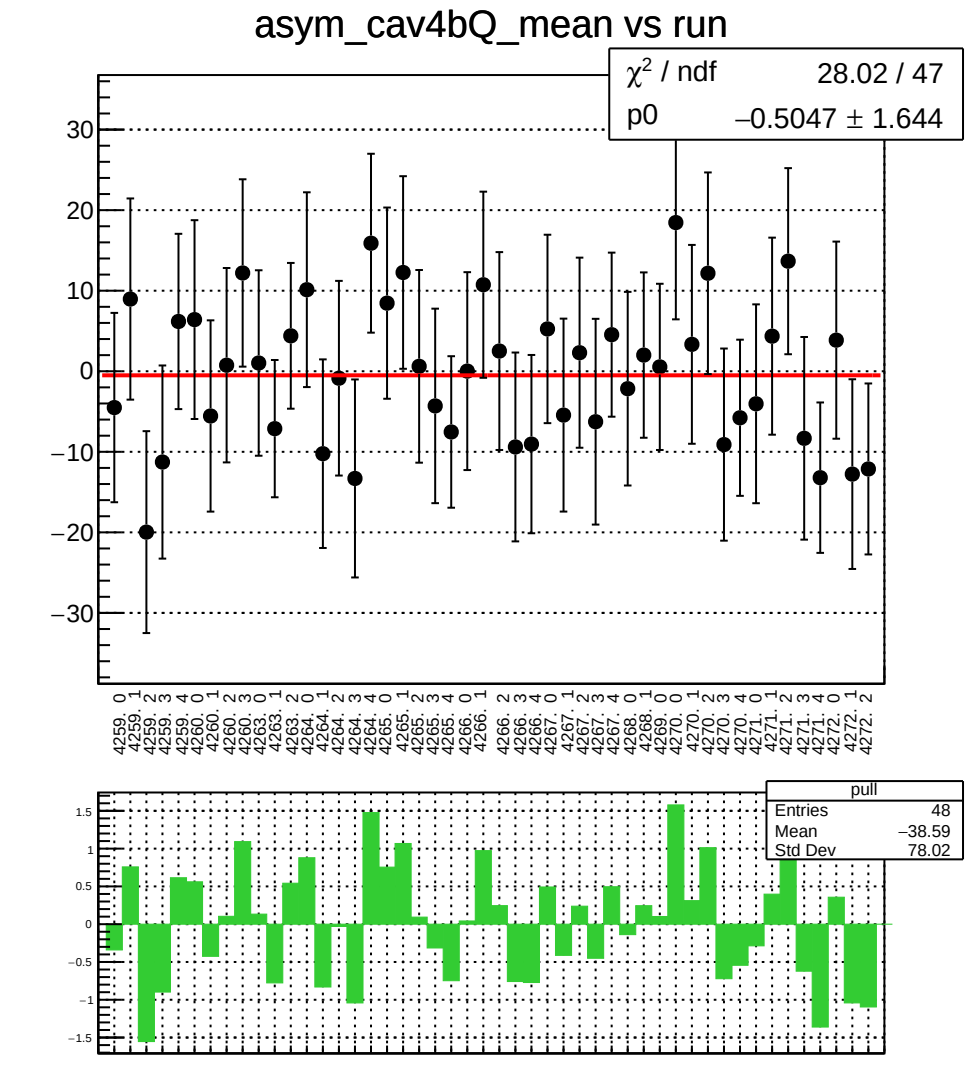

pull1D
Entries 48
Mean −0.02438
Std Dev 0.3868

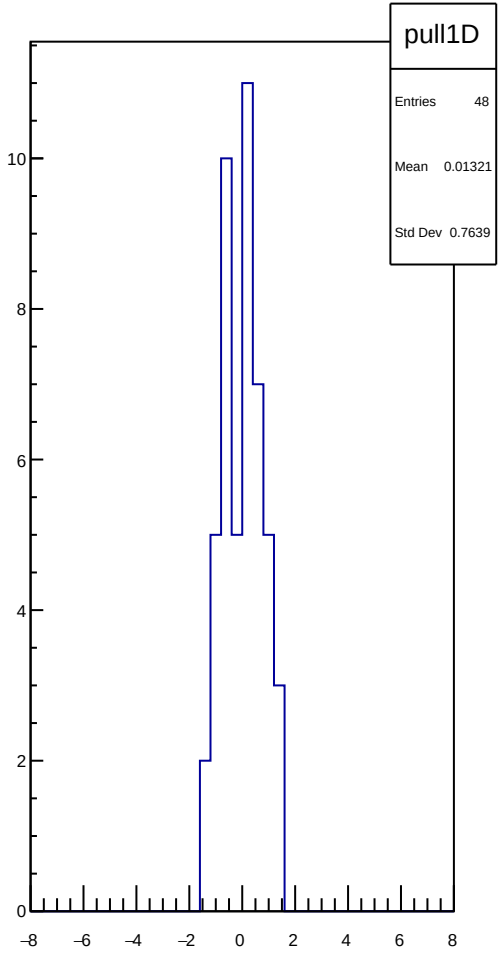

asym_bcm_dg_us_rms vs run
χ^2 / ndf 1.583e+04 / 47
p0 174.9 ± 0.179
220
200
180
160
140
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

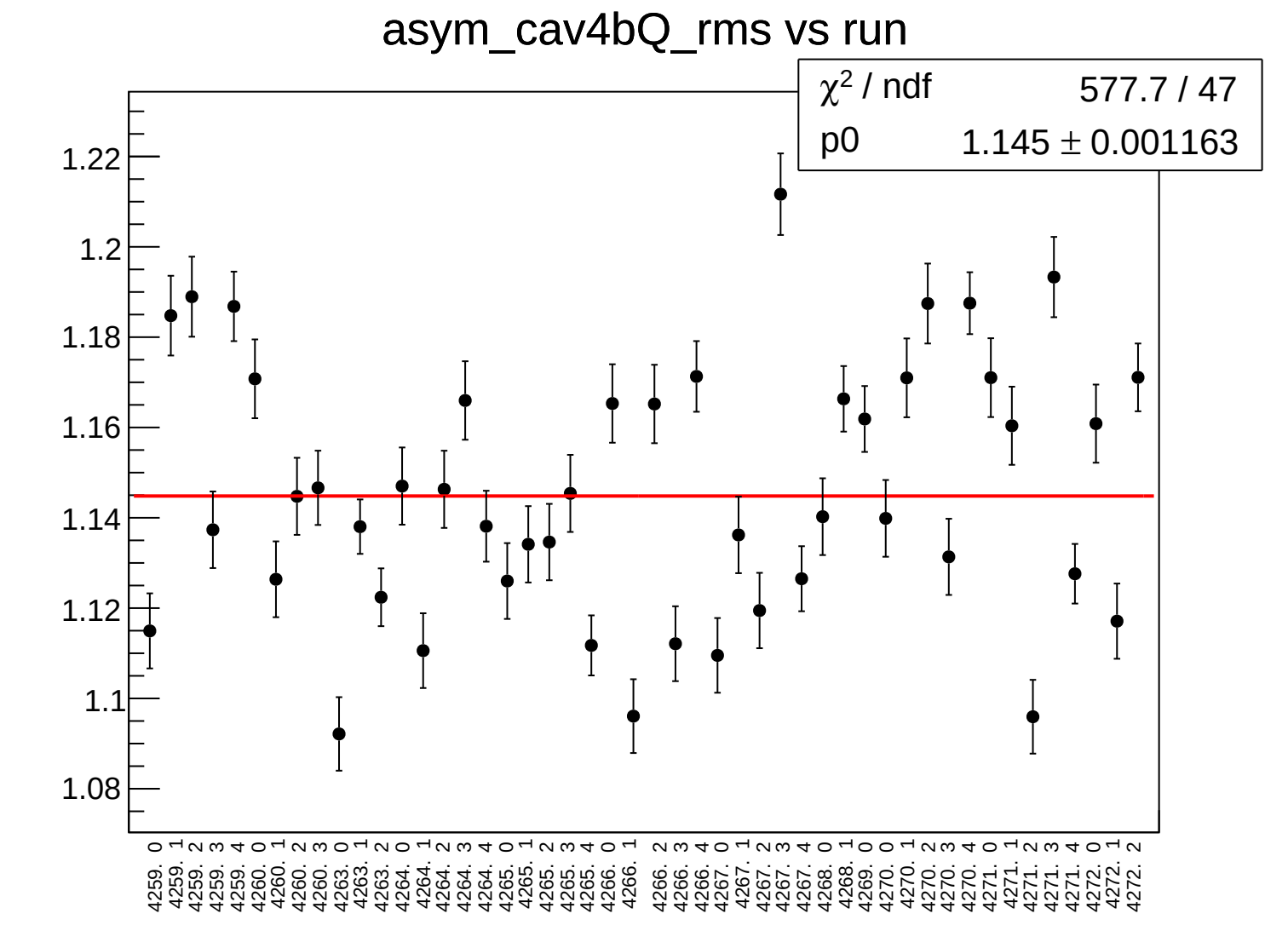

asym_bcm_dg_ds_mean vs run
χ² / ndf 4.249 / 47
p0 71.87 ± 244.4
pull
Entries 48
Mean 69.41
Std Dev 45.22

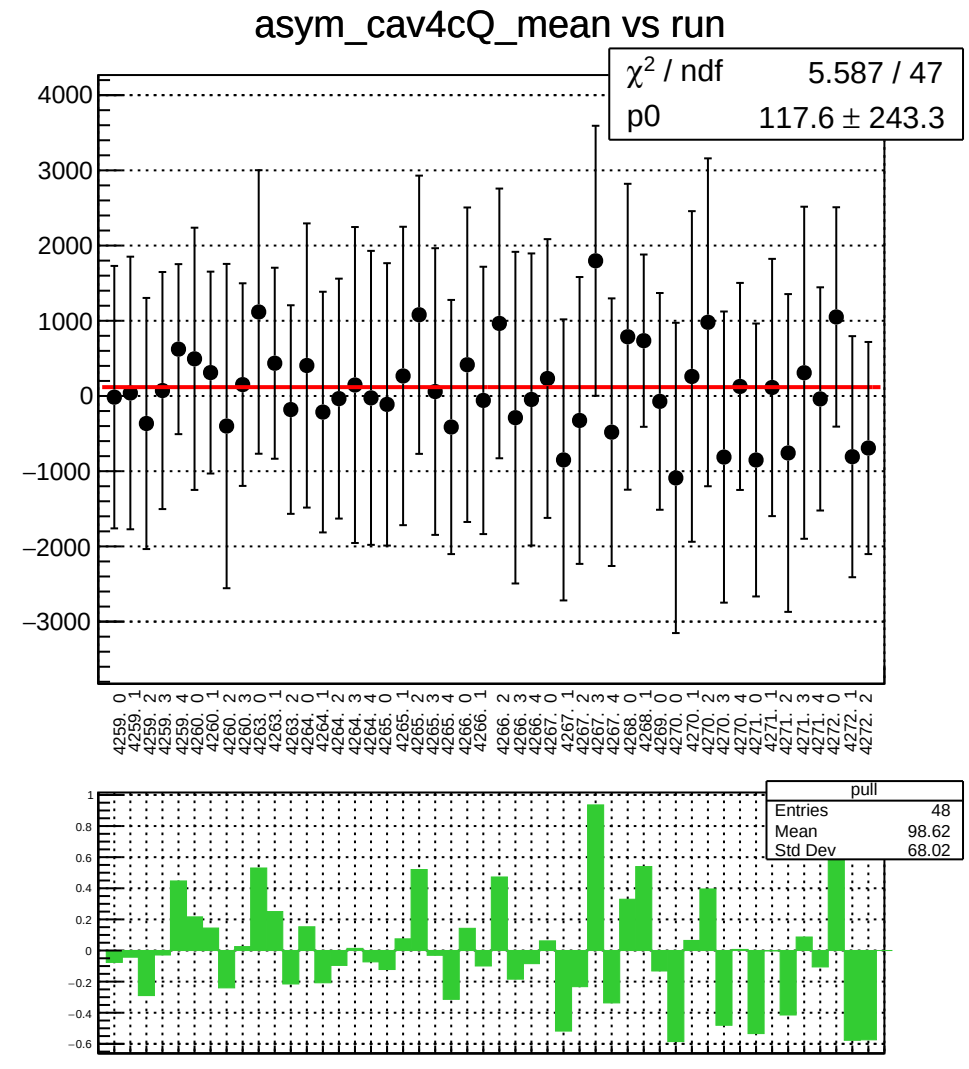

pull1D
Entries 48
Mean −0.01349
Std Dev 0.2972

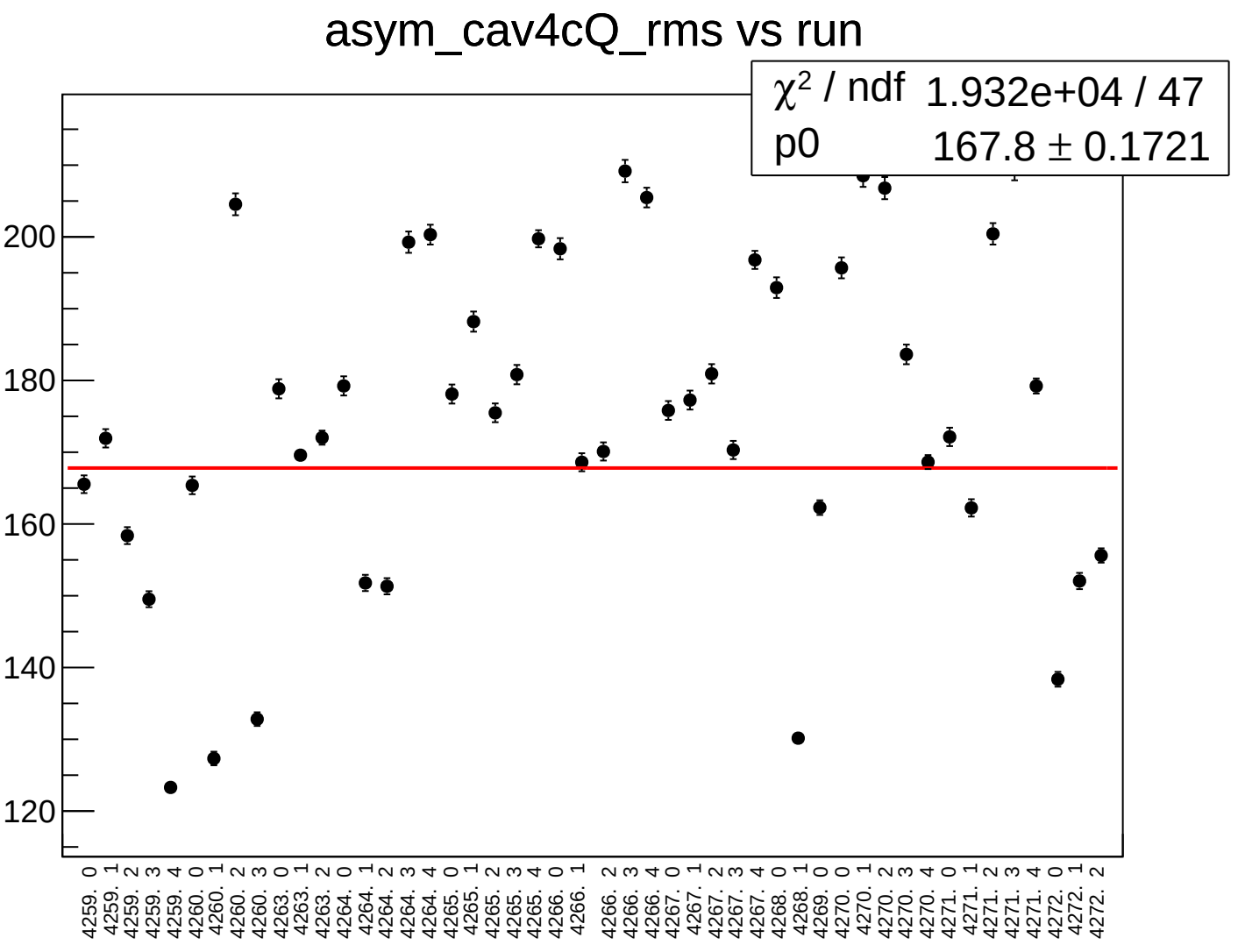

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.916e+04 / 47
p0 168.6 ± 0.1728
220
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_cav4bQ_mean vs run
χ² / ndf 28.02 / 47
p0 –0.5047 ± 1.644
pull
Entries 48
Mean –38.59
Std Dev 78.02


pull1D
Entries 48
Mean 0.01321
Std Dev 0.7639


asym_cav4bQ_rms vs run
χ² / ndf 577.7 / 47
p0 1.145 ± 0.001163
1.22
1.2
1.18
1.16
1.14
1.12
1.1
1.08
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


asym_cav4cQ_mean vs run
χ² / ndf 5.587 / 47
p0 117.6 ± 243.3
4000
3000
2000
1000
0
−1000
−2000
−3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 98.62
Std Dev 68.02
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 48
Mean −0.01134
Std Dev 0.341
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_cav4cQ_rms vs run
χ² / ndf 1.932e+04 / 47
p0 167.8 ± 0.1721
200
180
160
140
120
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
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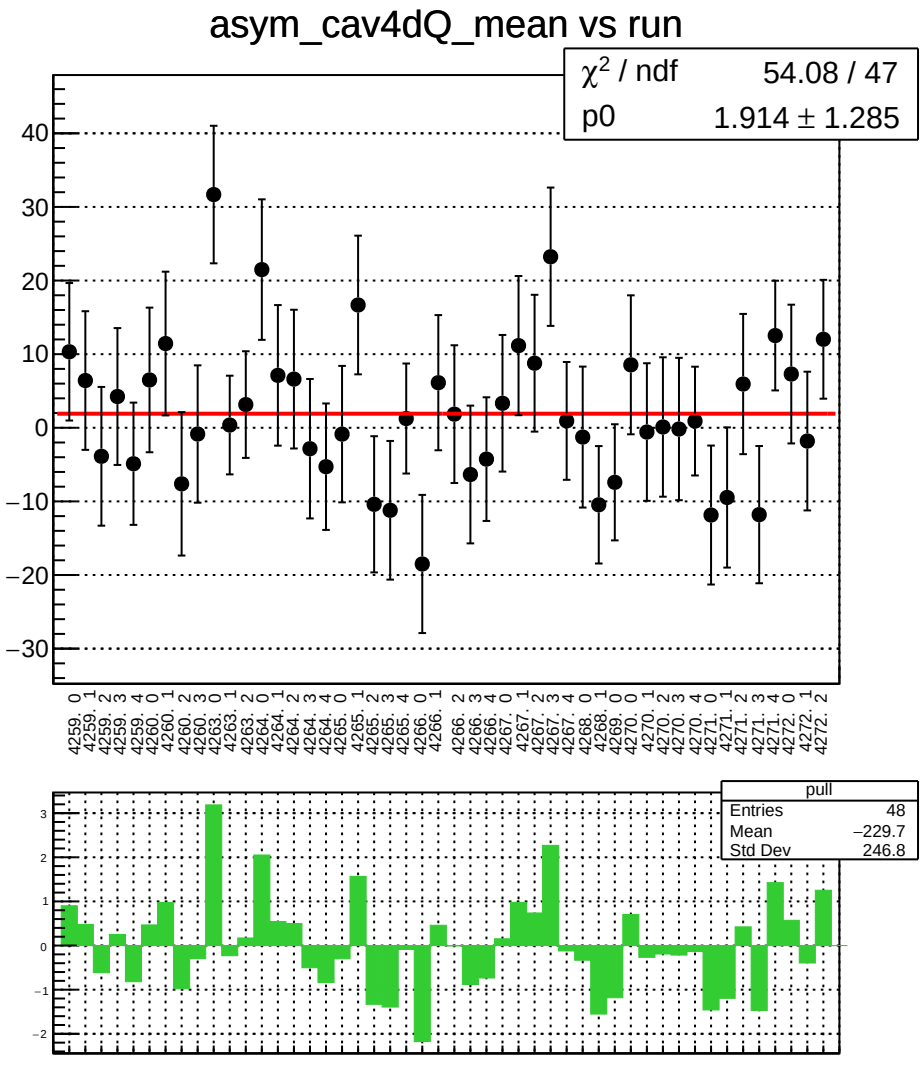
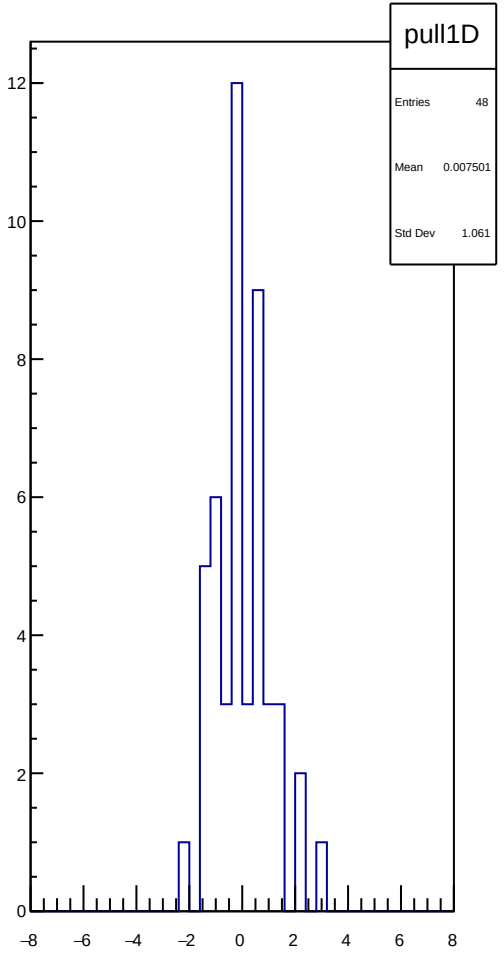
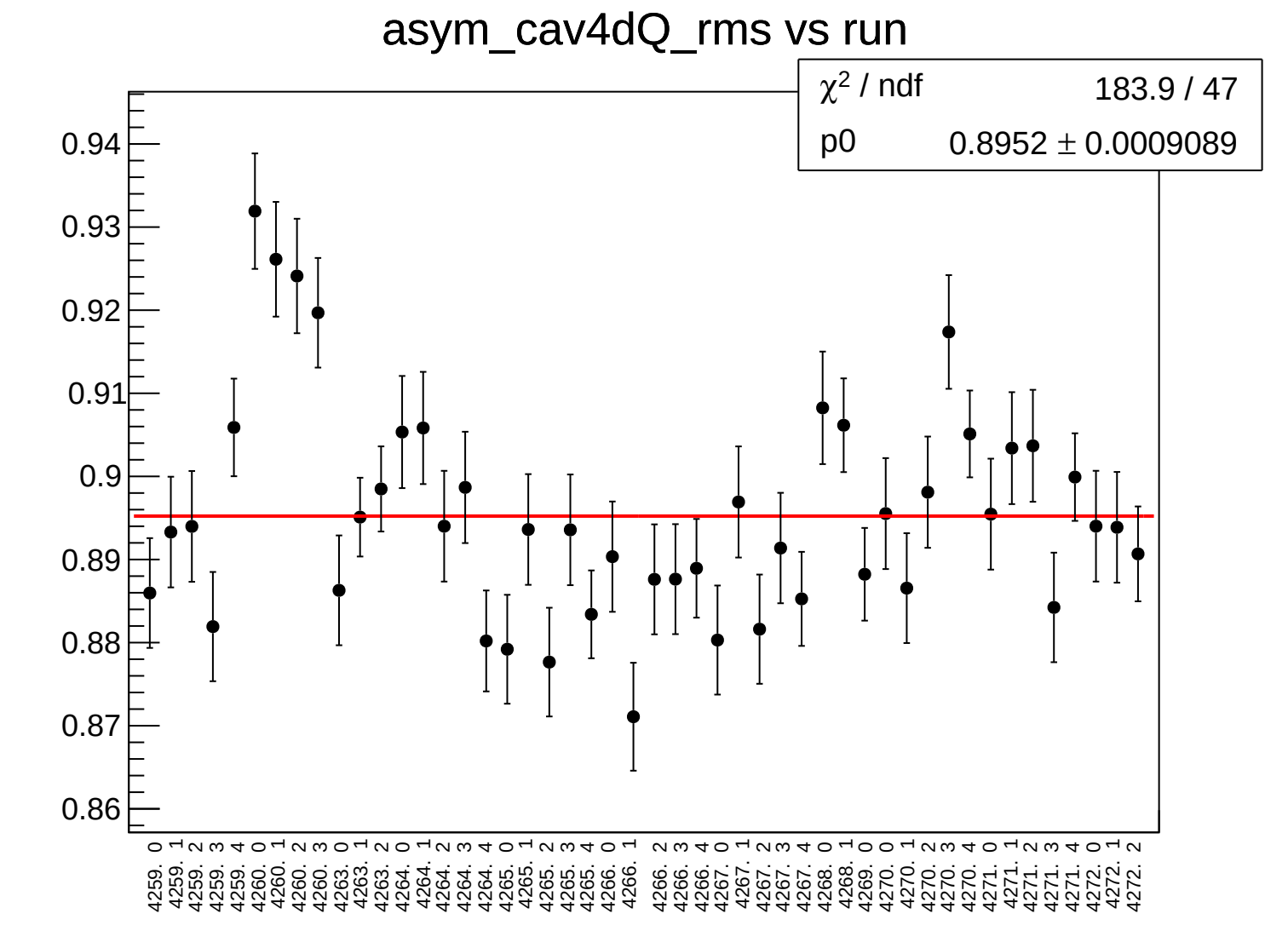
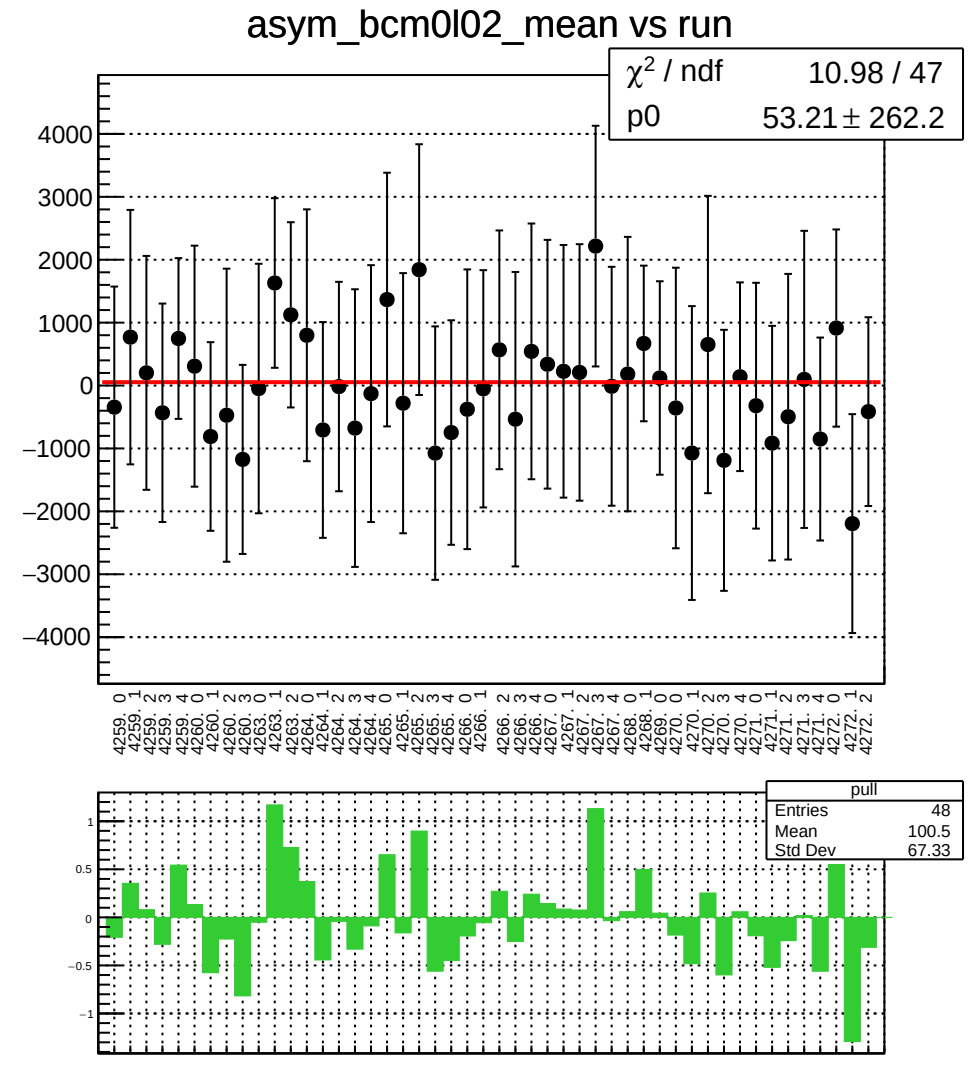
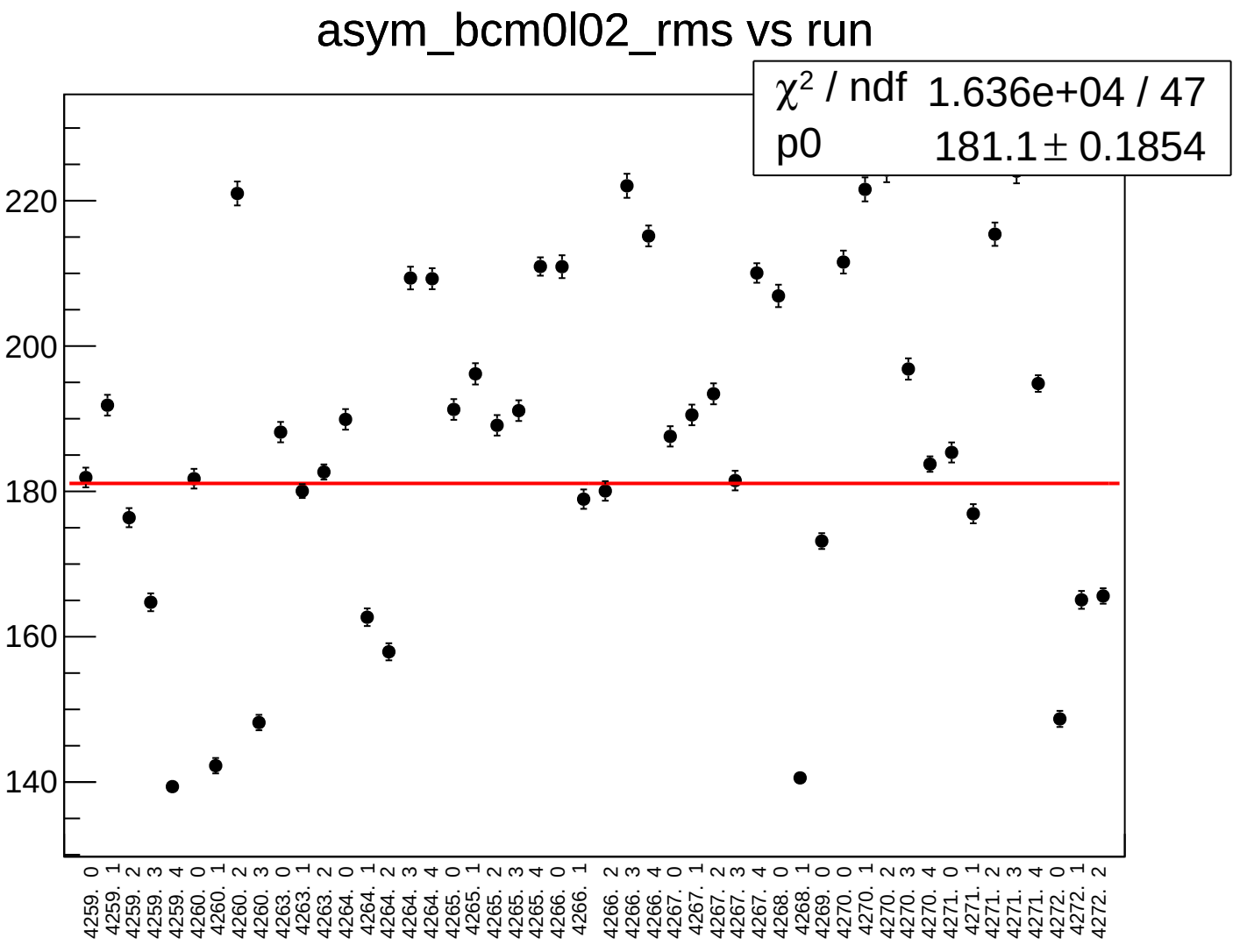
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

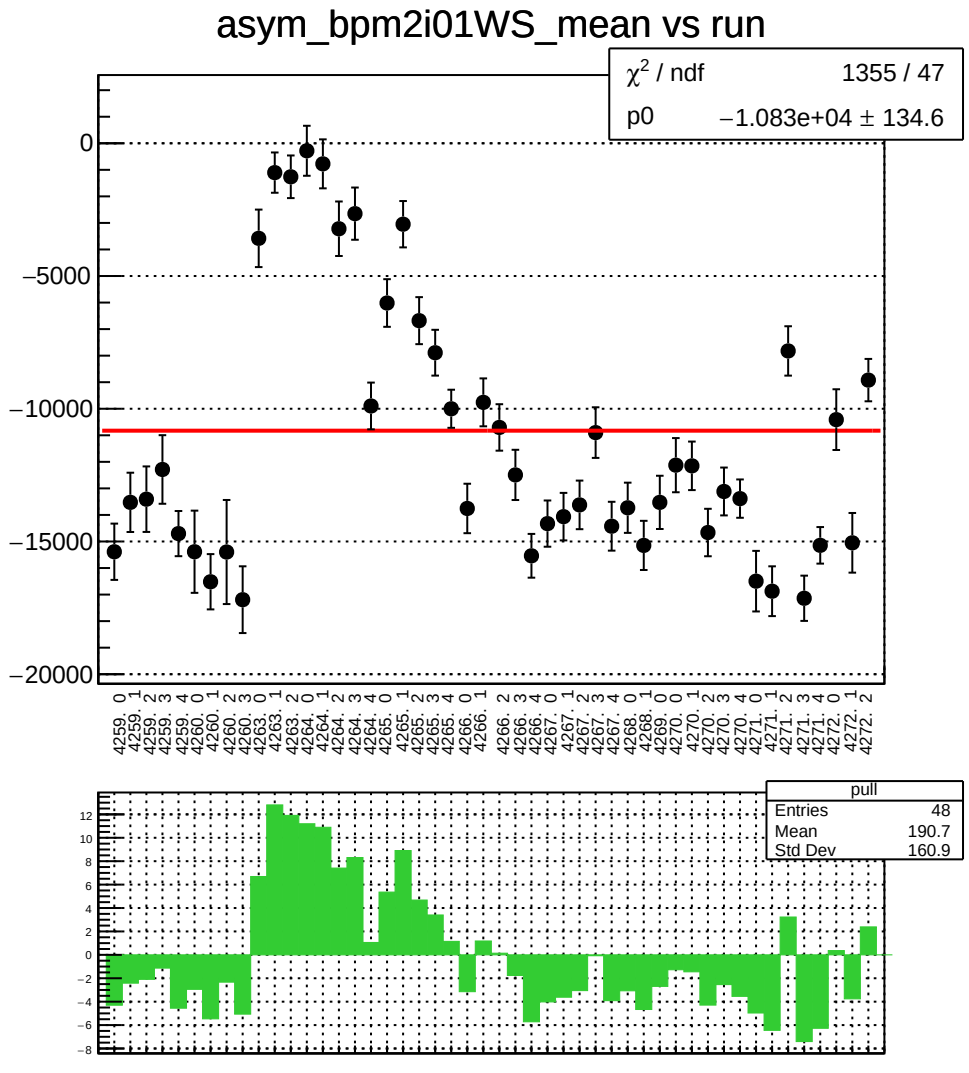

asym_cav4dQ_mean vs run
χ² / ndf 54.08 / 47
p0 1.914 ± 1.285
pull
Entries 48
Mean −229.7
Std Dev 246.8

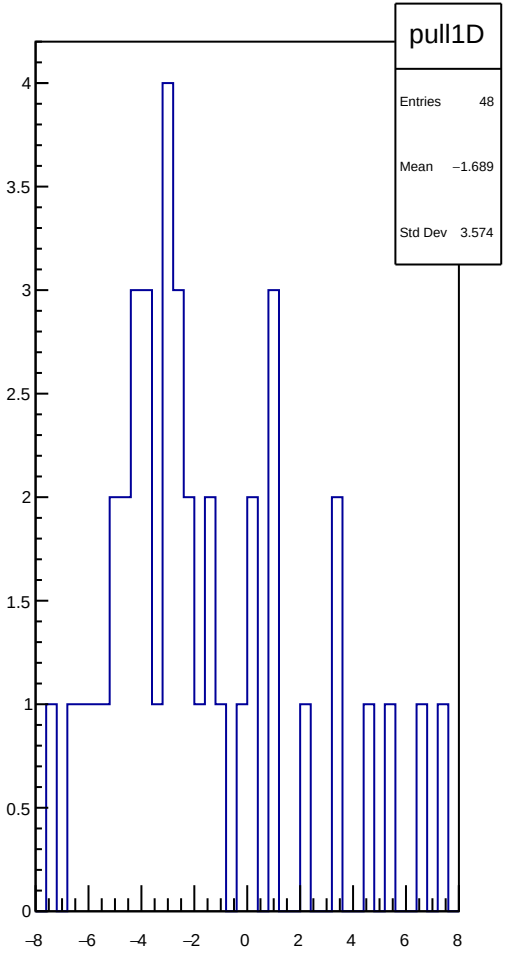

pull1D
Entries 48
Mean 0.007501
Std Dev 1.061

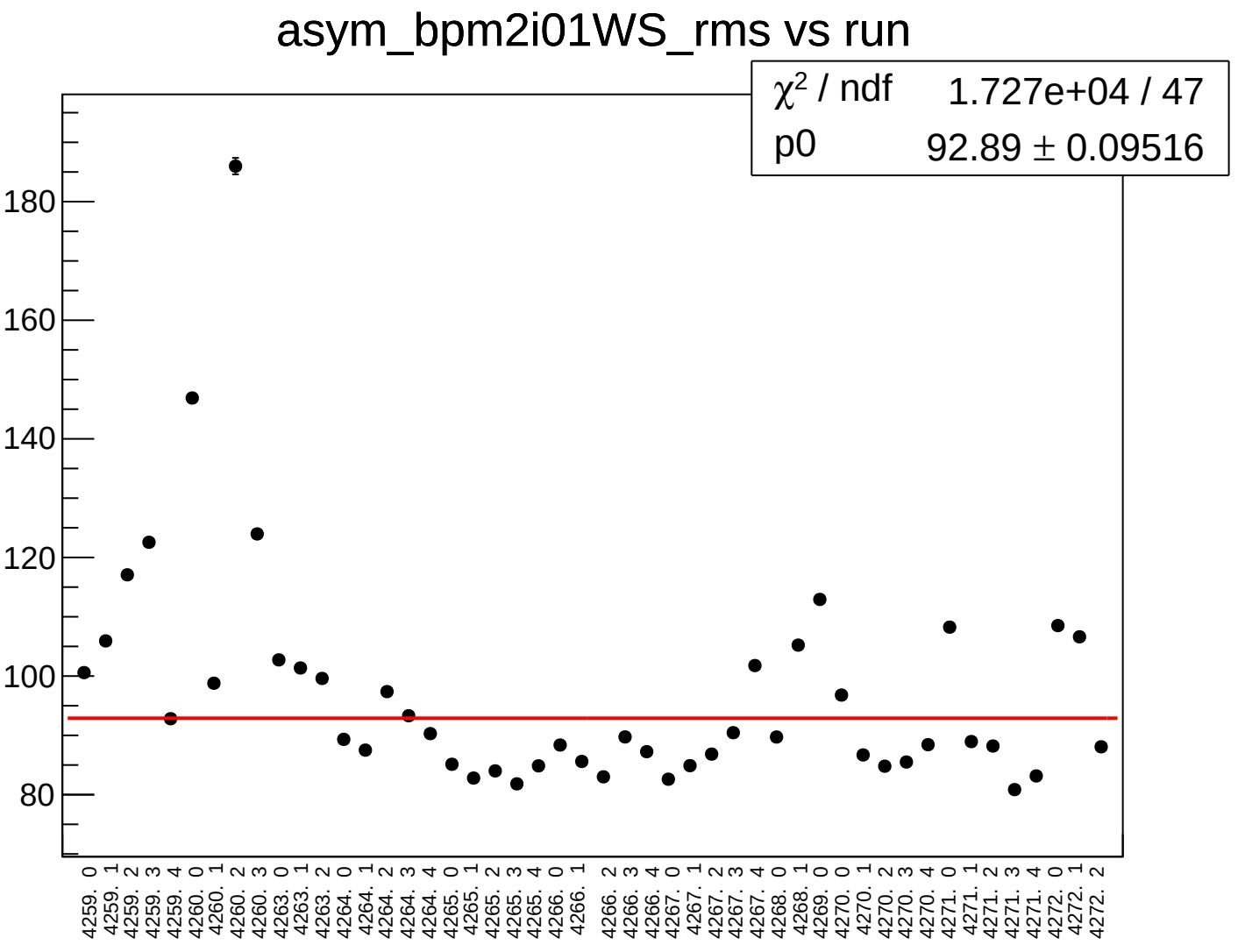

asym_cav4dQ_rms vs run
χ² / ndf 183.9 / 47
p0 0.8952 ± 0.0009089
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

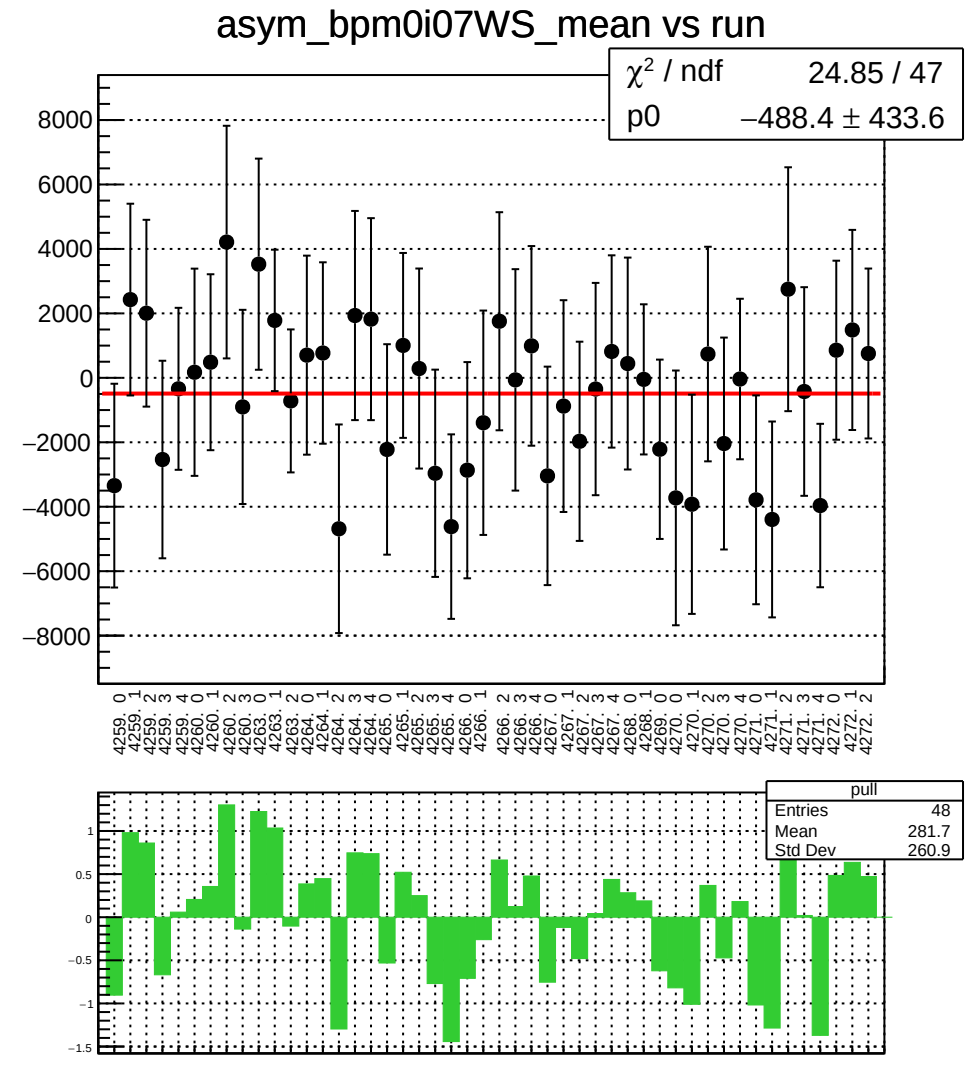

asym_bcm0l02_mean vs run
χ^2 / ndf 10.98 / 47
p0 53.21 ± 262.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 100.5
Std Dev 67.33
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean −0.01636
Std Dev 0.478
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

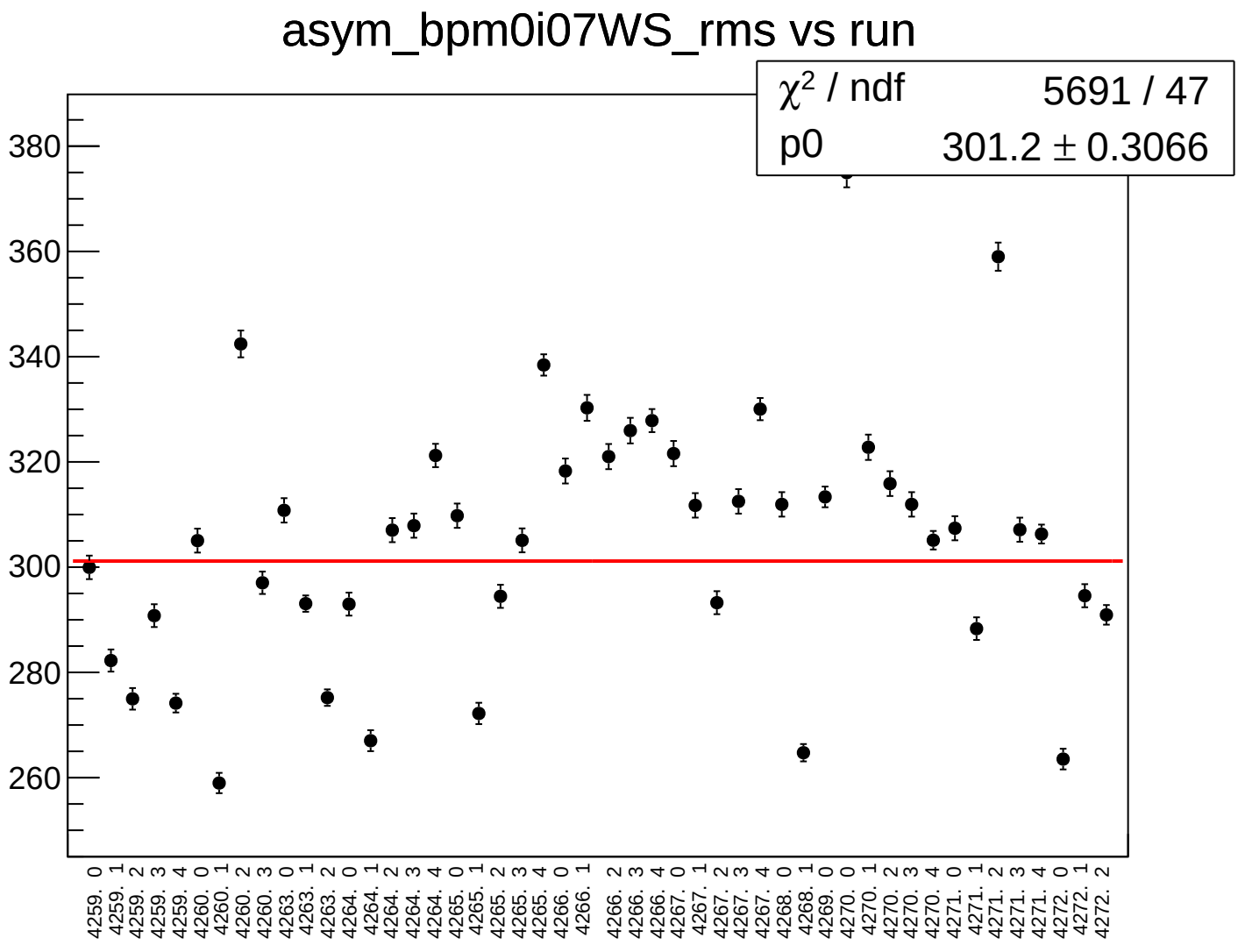

asym_bcm0l02_rms vs run
χ² / ndf 1.636e+04 / 47
p0 181.1 ± 0.1854
220
200
180
160
140
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

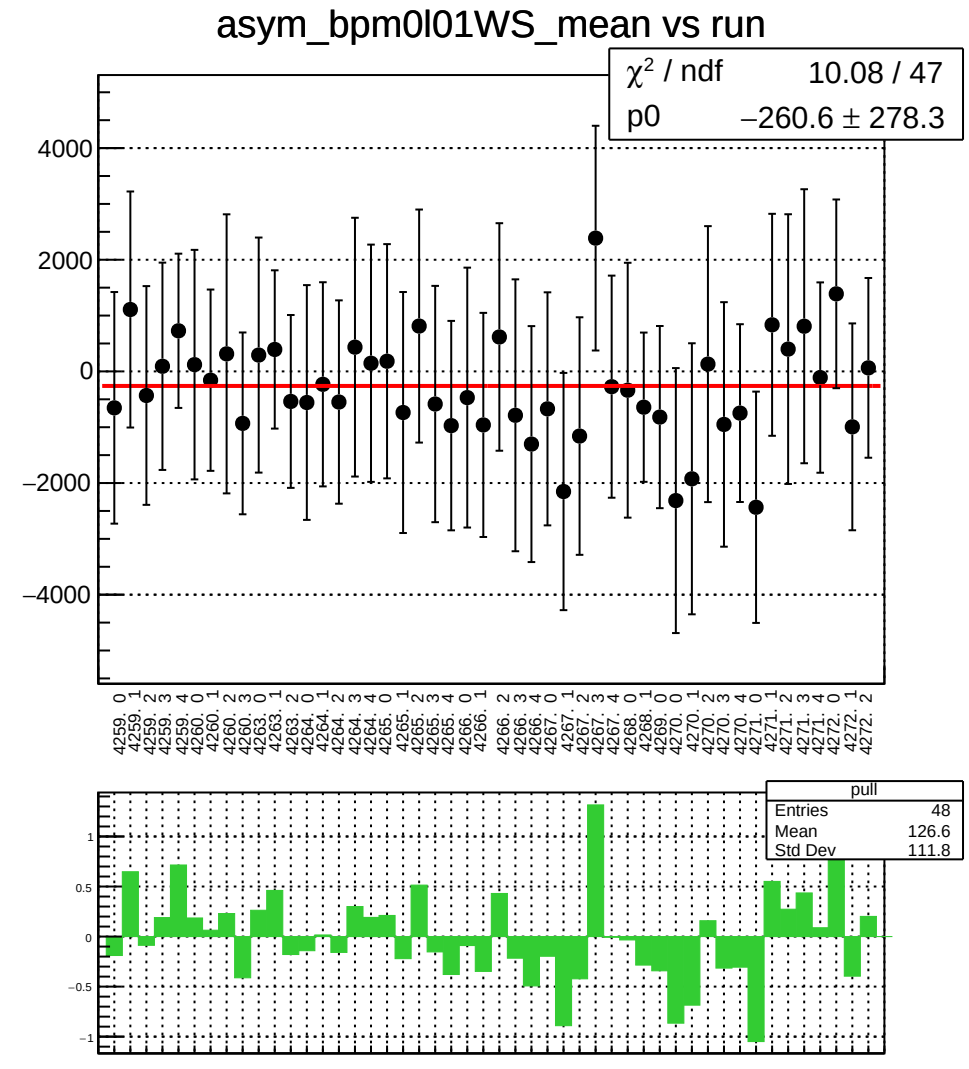

asym_bpm2i01WS_mean vs run
χ² / ndf 1355 / 47
p0 −1.083e+04 ± 134.6
0
−5000
−10000
−15000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 190.7
Std Dev 160.9
12
10
8
6
4
2
0
−2
−4
−6
−8

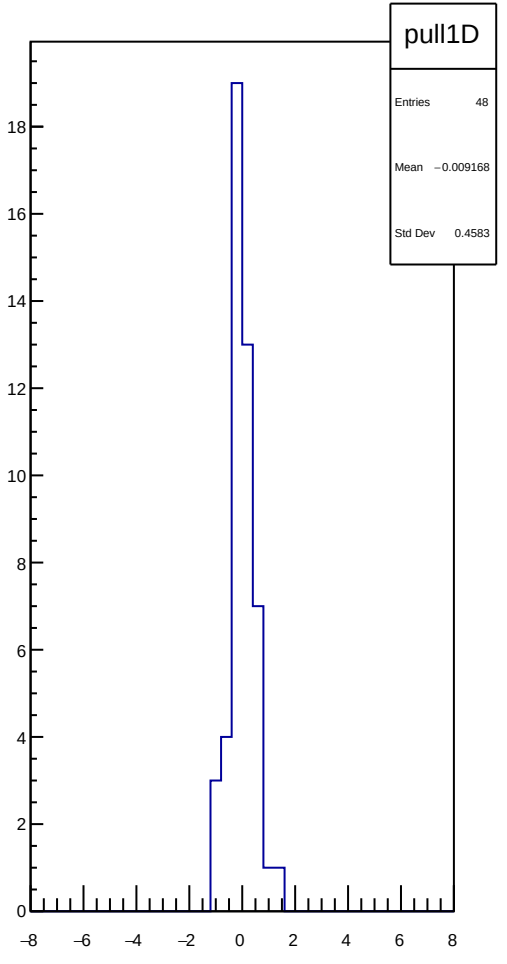

pull1D
Entries 48
Mean −1.689
Std Dev 3.574
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

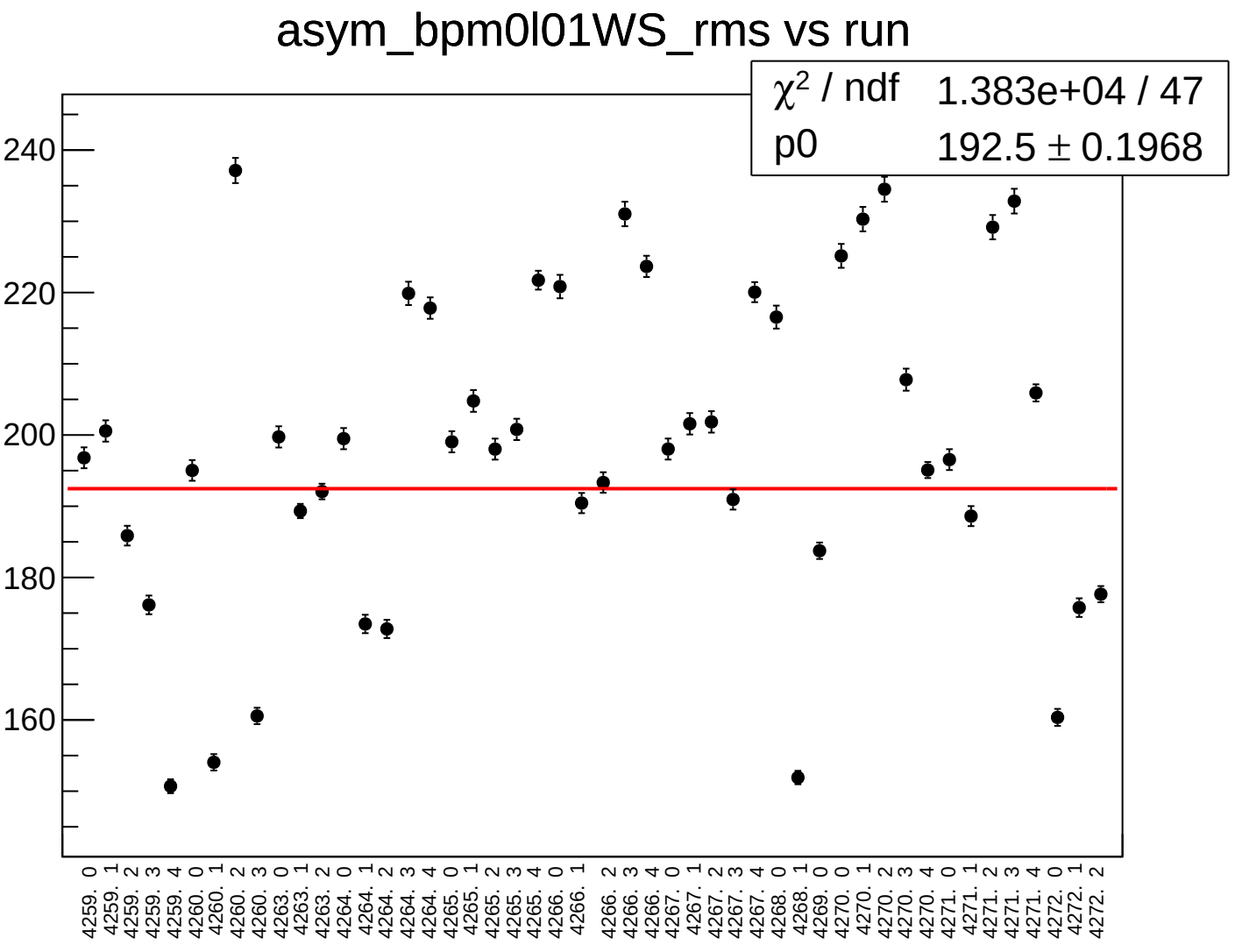

asym_bpm2i01WS_rms vs run
χ² / ndf 1.727e+04 / 47
p0 92.89 ± 0.09516
180
160
140
120
100
80
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

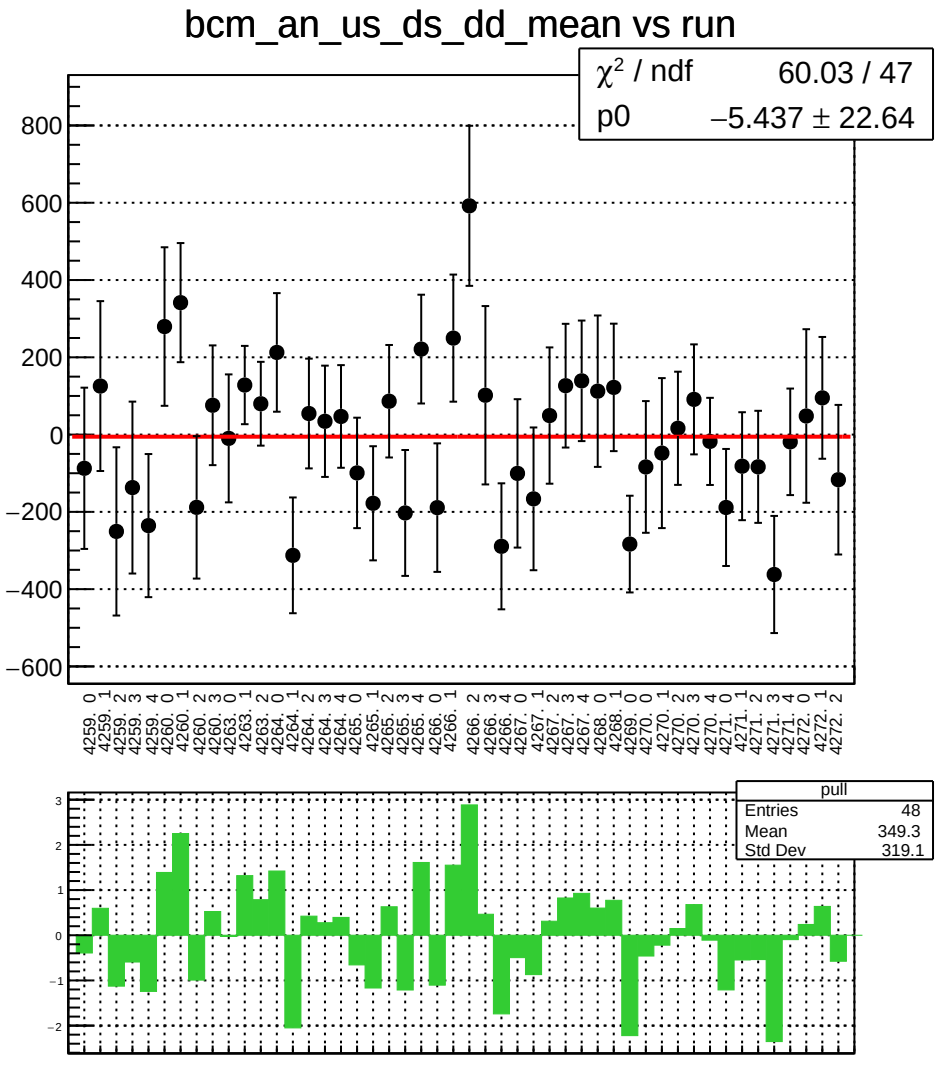

asym_bpm0i07WS_mean vs run
χ² / ndf 24.85 / 47
p0 −488.4 ± 433.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 281.7
Std Dev 260.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean −0.008704
Std Dev 0.7195
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

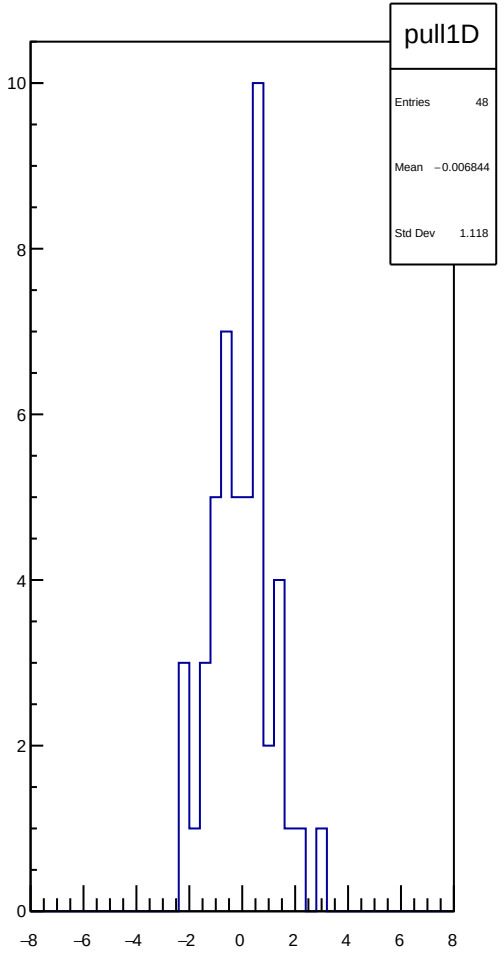

asym_bpm0i07WS_rms vs run
χ² / ndf 5691 / 47
p0 301.2 ± 0.3066
380
360
340
320
300
280
260
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

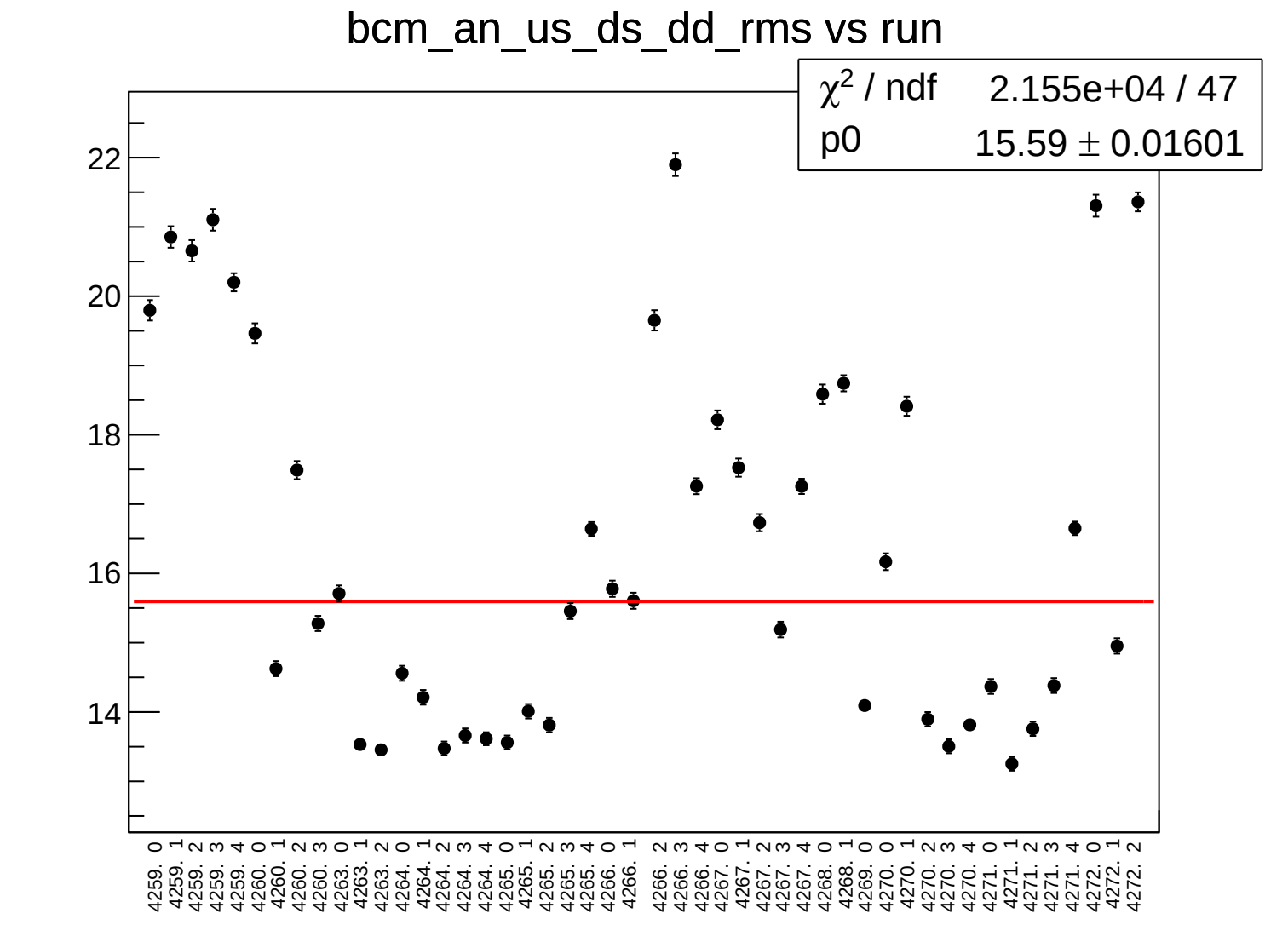

asym_bpm0l01WS_mean vs run
χ² / ndf 10.08 / 47
p0 −260.6 ± 278.3
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 126.6
Std Dev 111.8
1
0.5
0
−0.5
−1

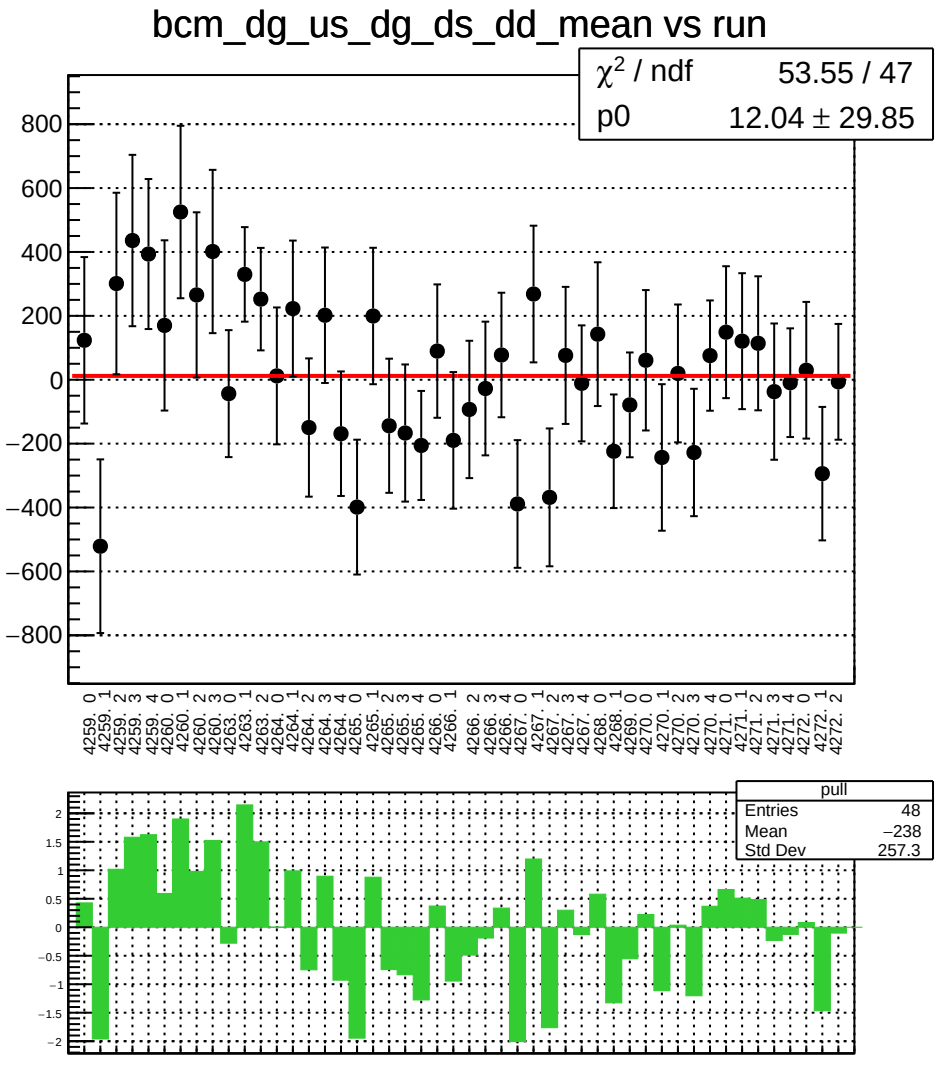

pull1D
Entries 48
Mean −0.009168
Std Dev 0.4583
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

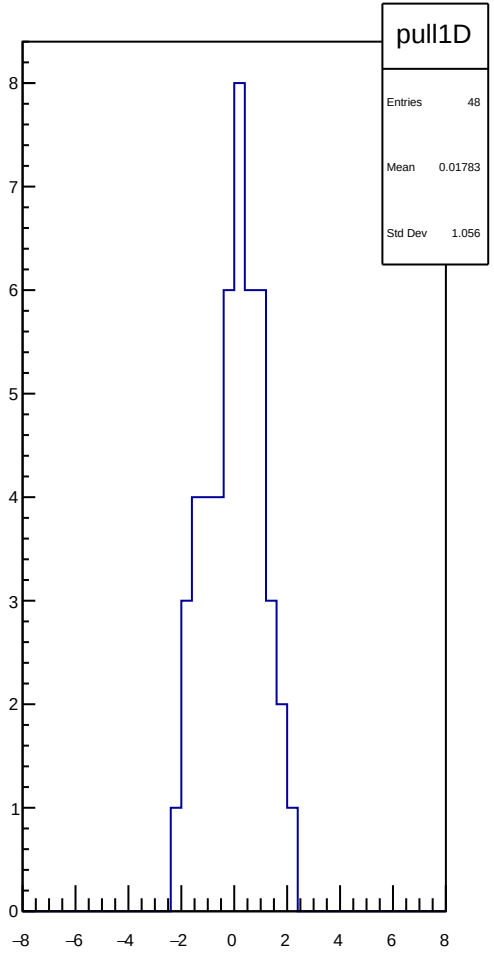

asym_bpm0l01WS_rms vs run
χ² / ndf 1.383e+04 / 47
p0 192.5 ± 0.1968
240
220
200
180
160
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

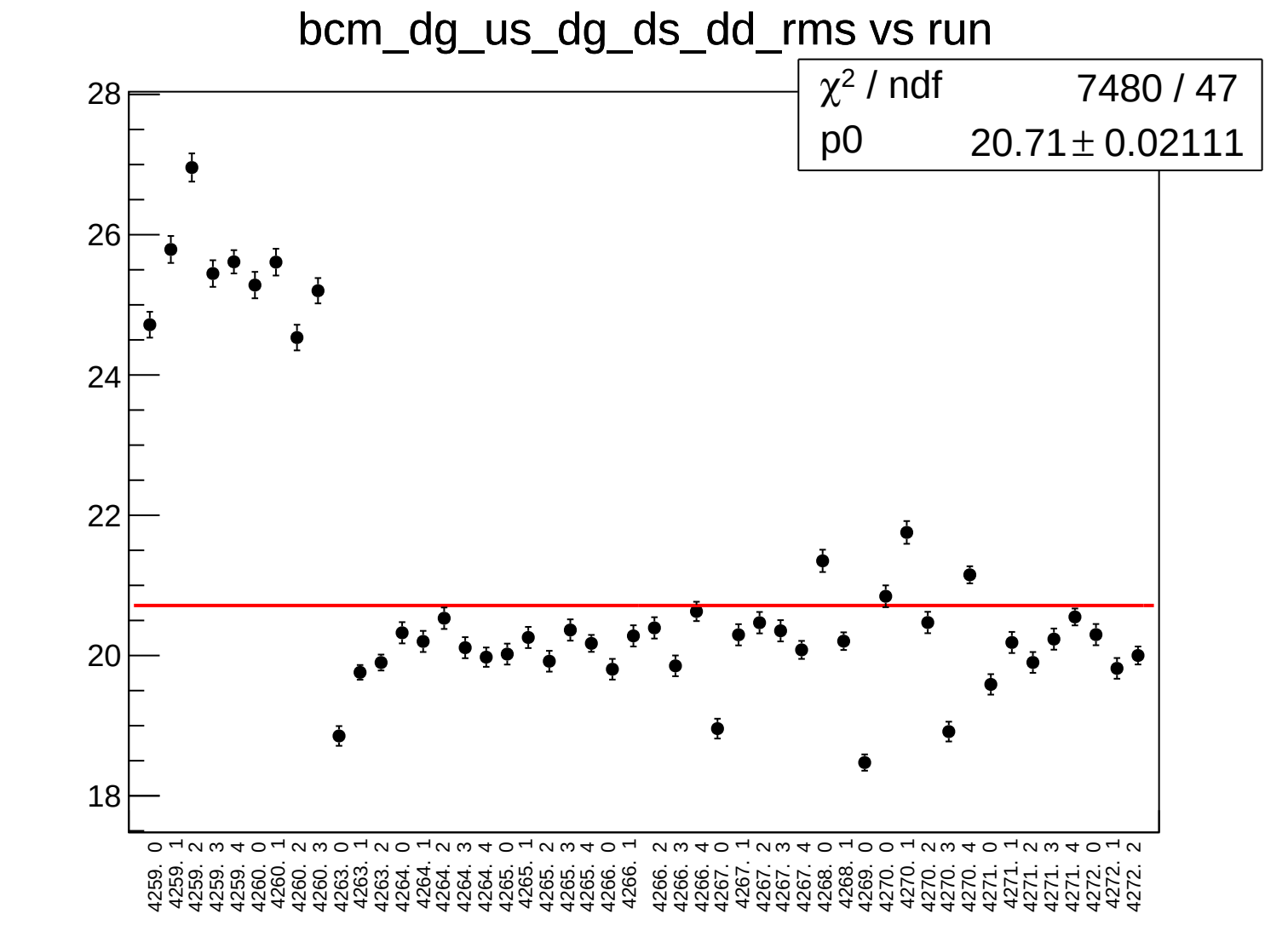

bcm_an_us_ds_dd_mean vs run
χ² / ndf 60.03 / 47
p0 −5.437 ± 22.64
pull
Entries 48
Mean 349.3
Std Dev 319.1

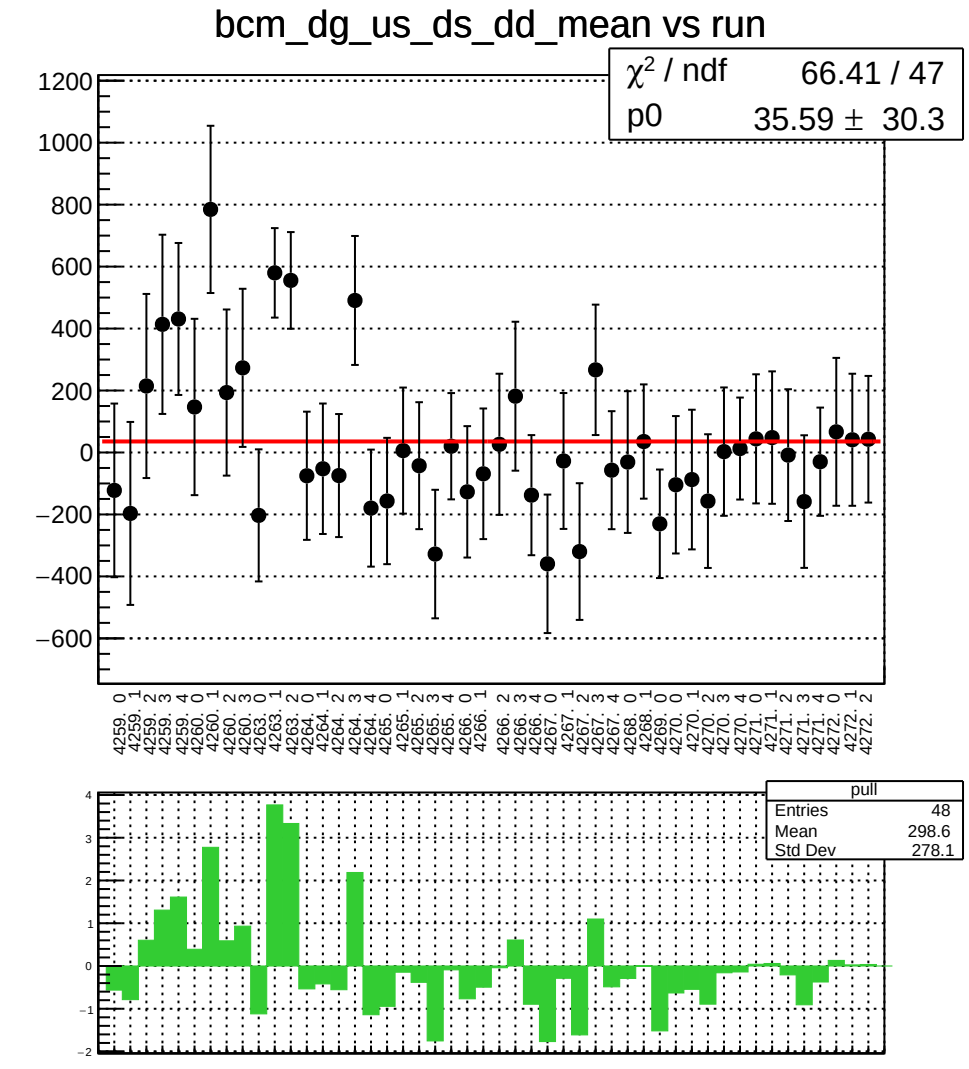

pull1D
Entries 48
Mean −0.006844
Std Dev 1.118

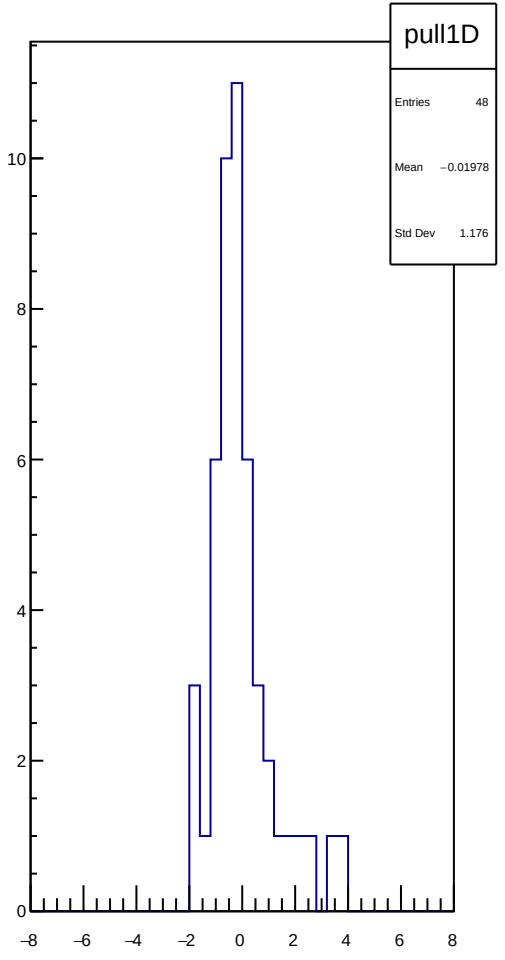

bcm_an_us_ds_dd_rms vs run
χ² / ndf 2.155e+04 / 47
p0 15.59 ± 0.01601
22
20
18
16
14
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

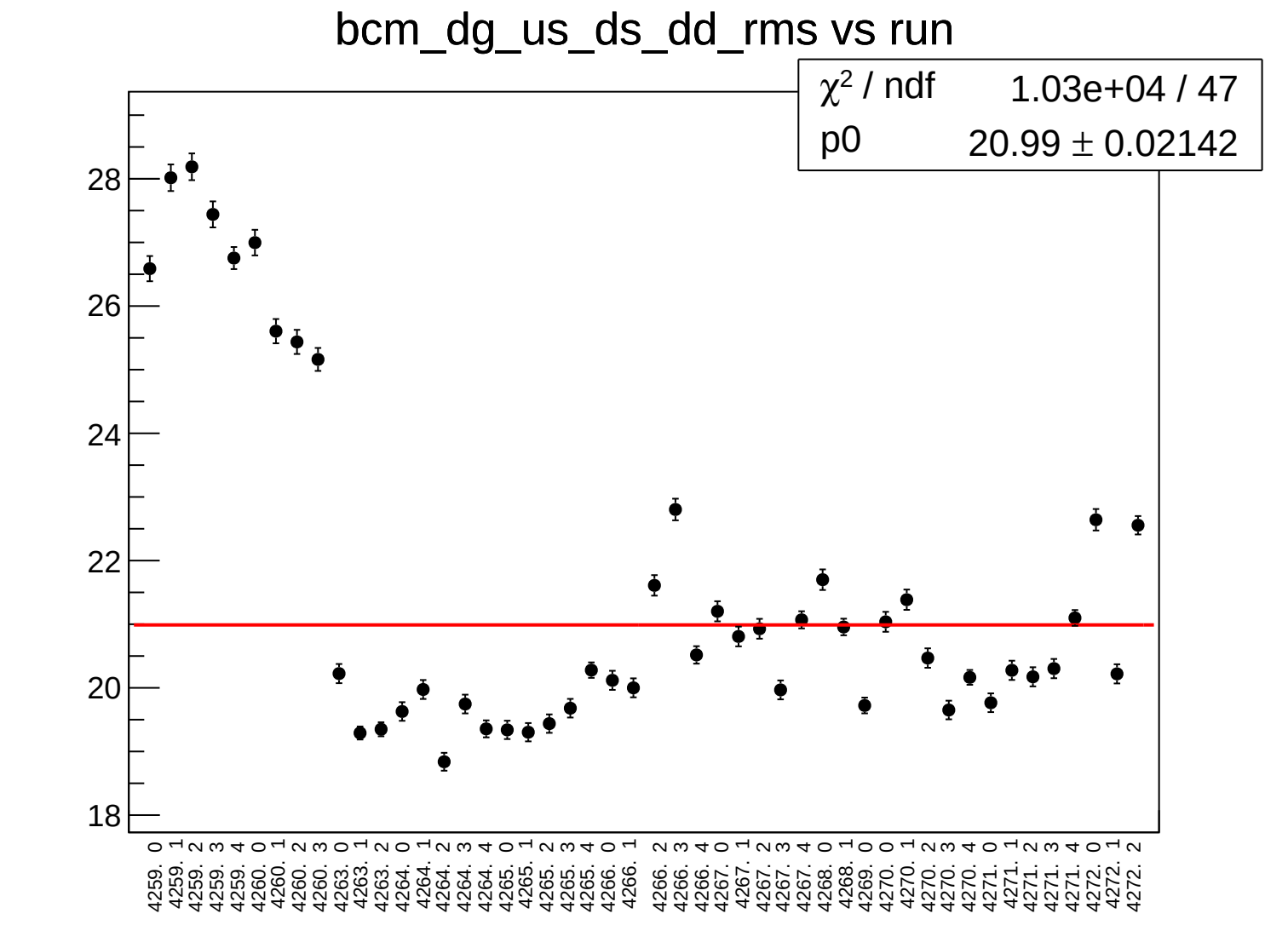

bcm_dg_us_dg_ds_dd_mean vs run
χ^2 / ndf 53.55 / 47
p0 12.04 ± 29.85
pull
Entries 48
Mean −238
Std Dev 257.3

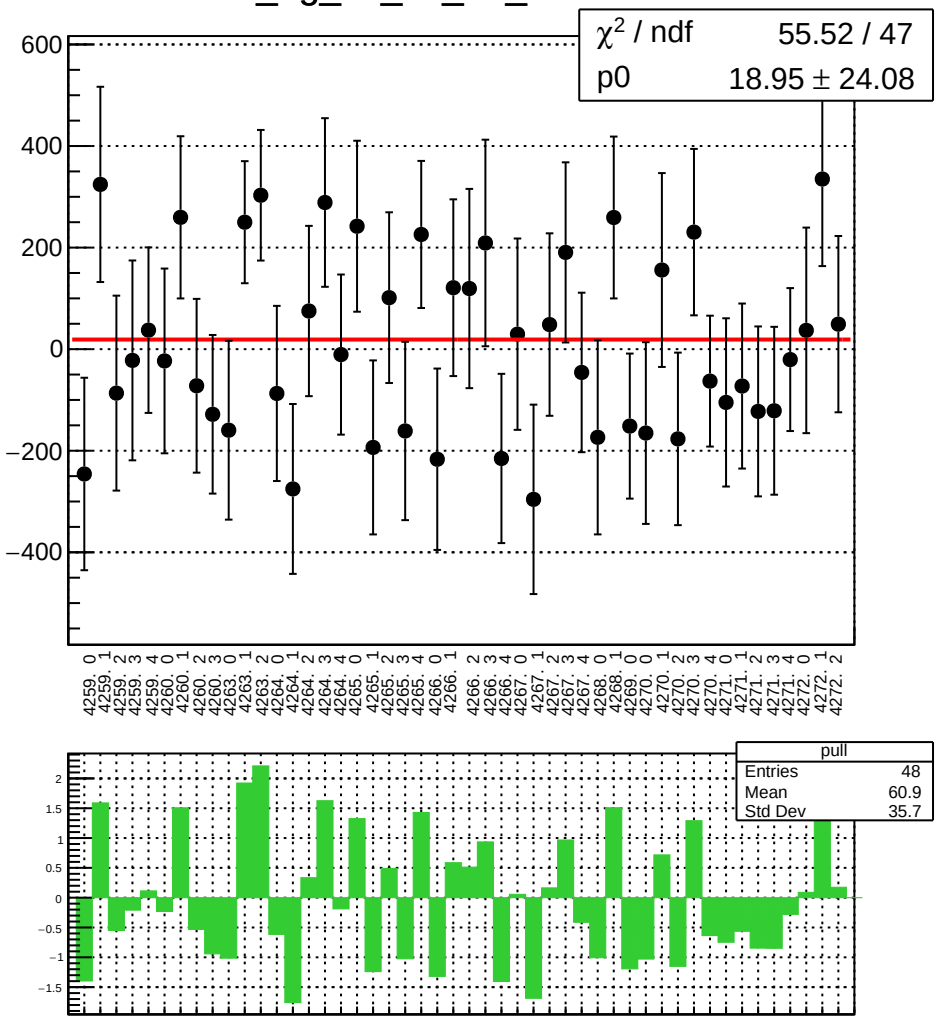

pull1D
Entries 48
Mean 0.01783
Std Dev 1.056

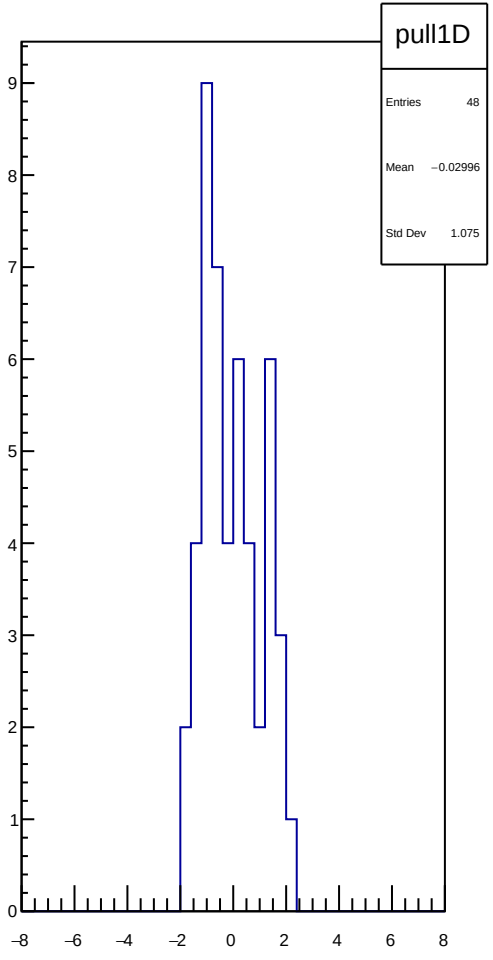

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 7480 / 47
p0 20.71 ± 0.02111
28
26
24
22
20
18
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

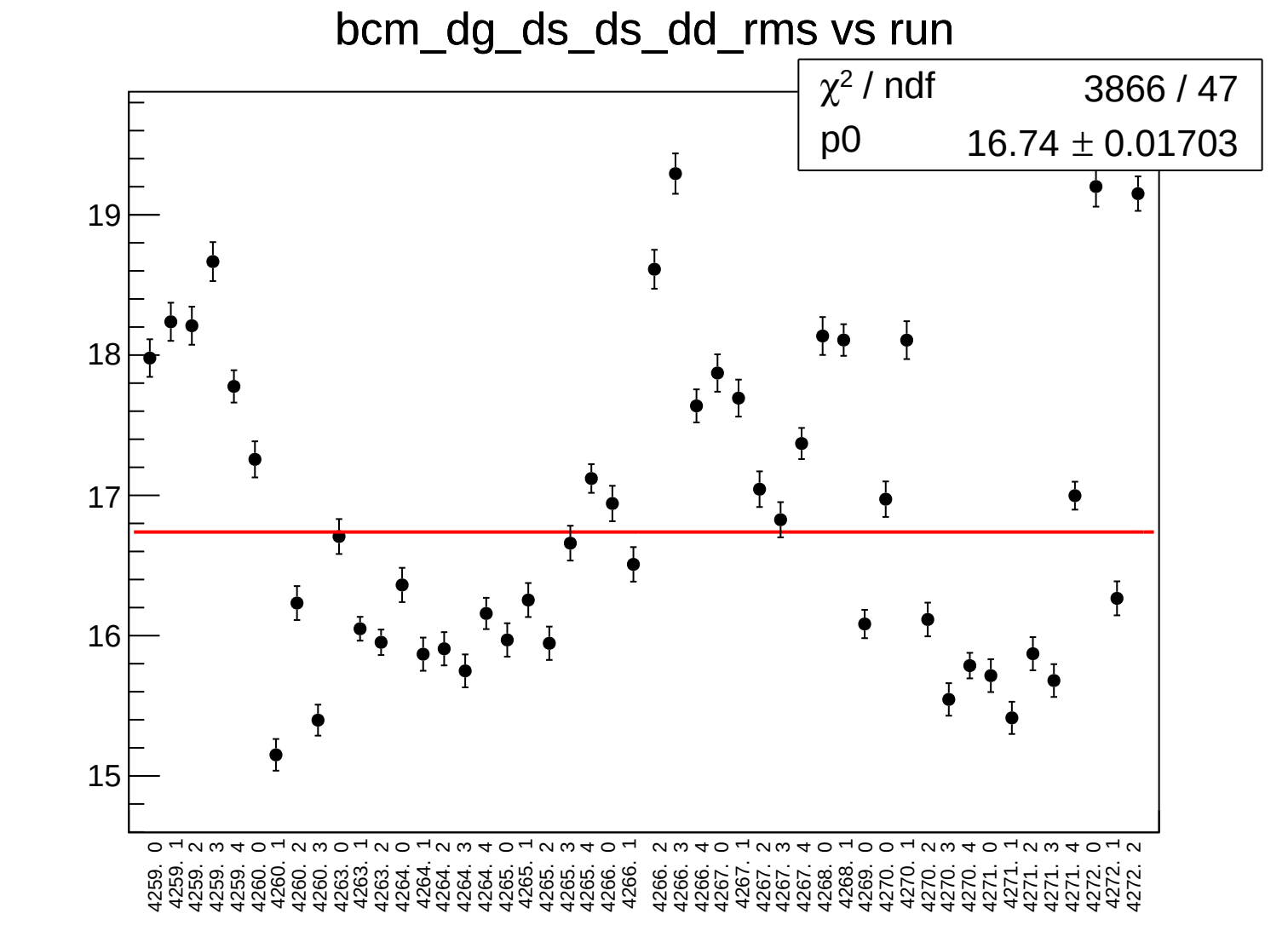

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 66.41 / 47
p0 35.59 ± 30.3
pull
Entries 48
Mean 298.6
Std Dev 278.1

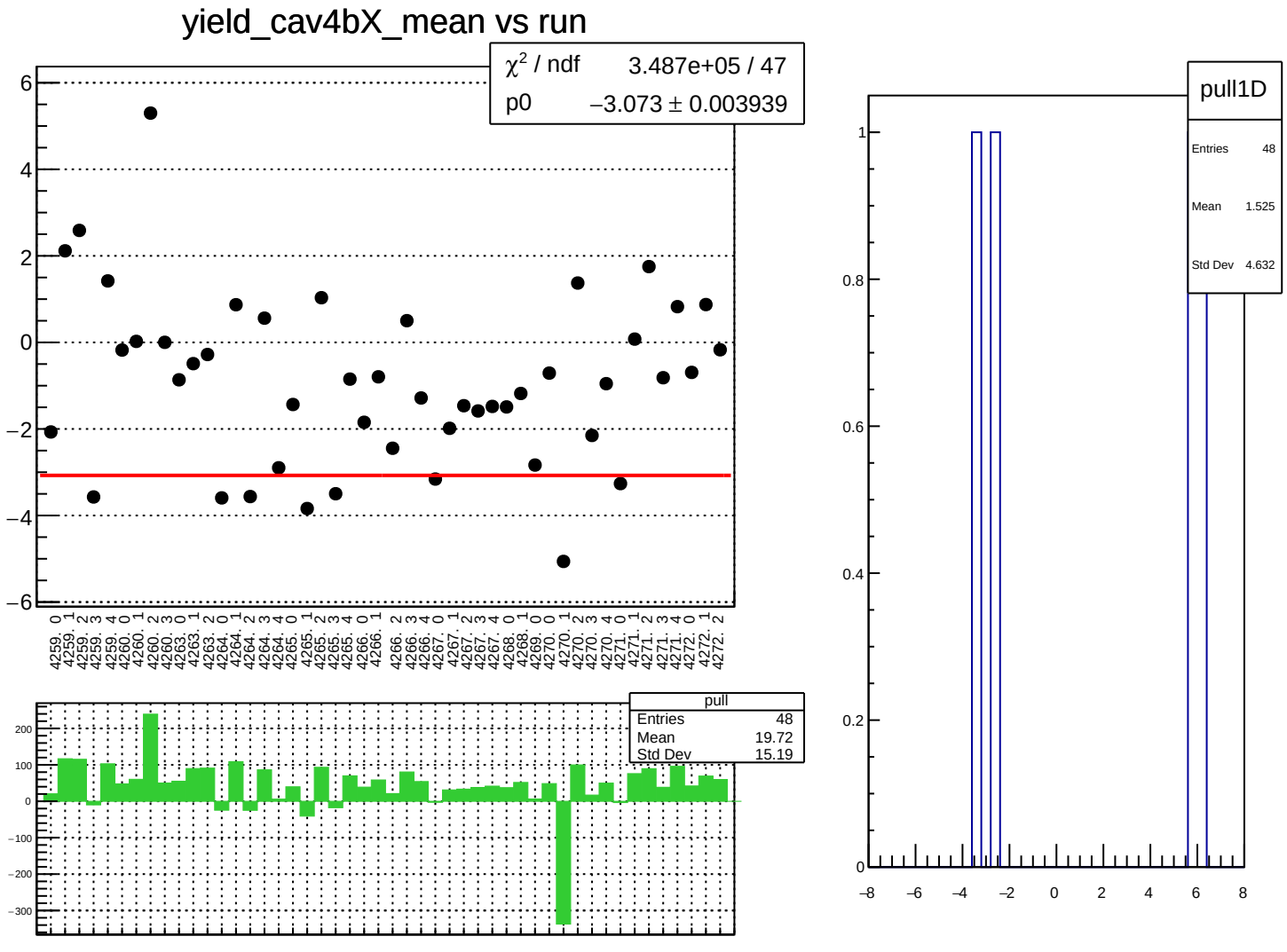

pull1D
Entries 48
Mean −0.01978
Std Dev 1.176

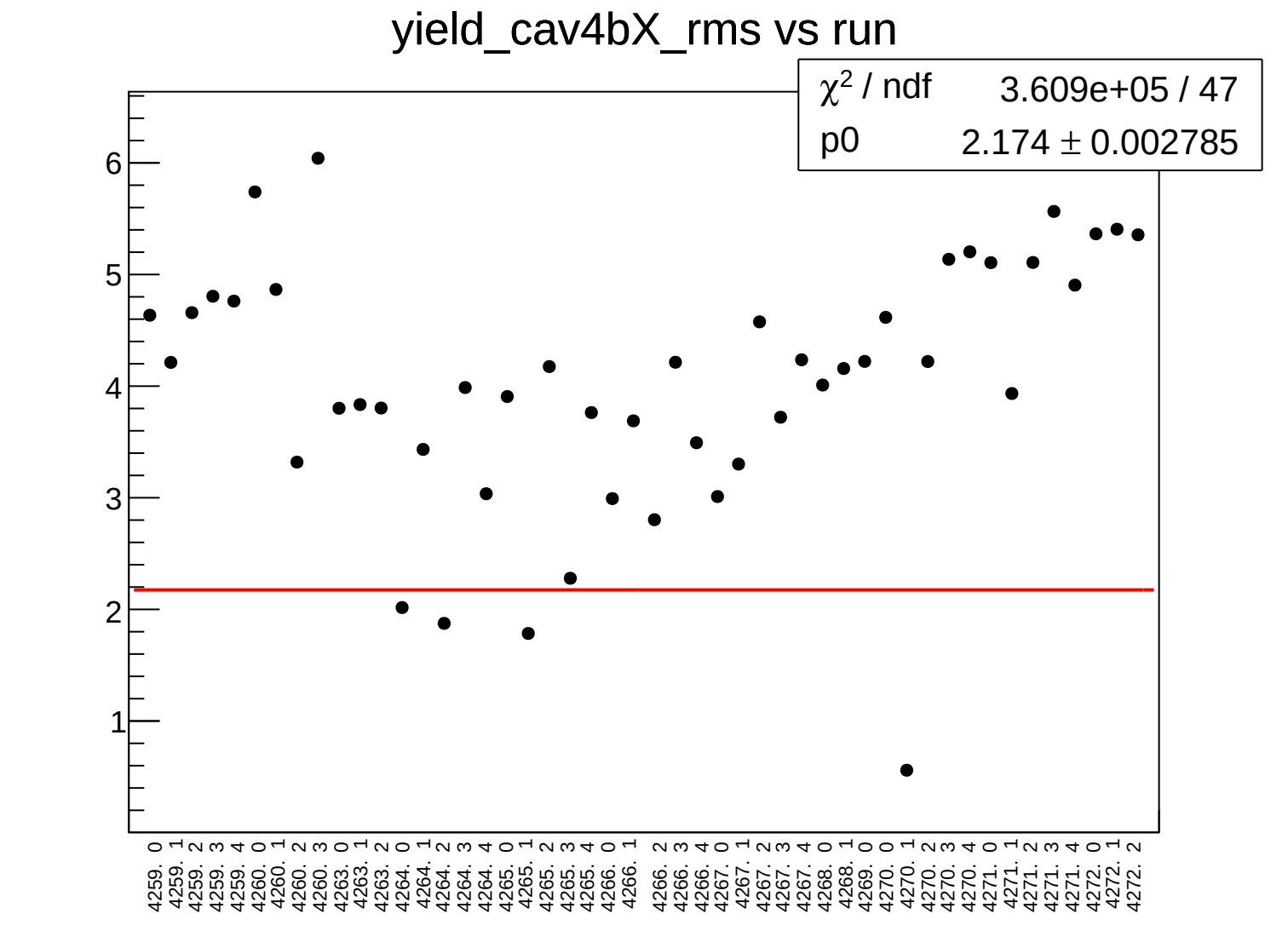

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 1.03e+04 / 47
p0 20.99 ± 0.02142
28
26
24
22
20
18
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

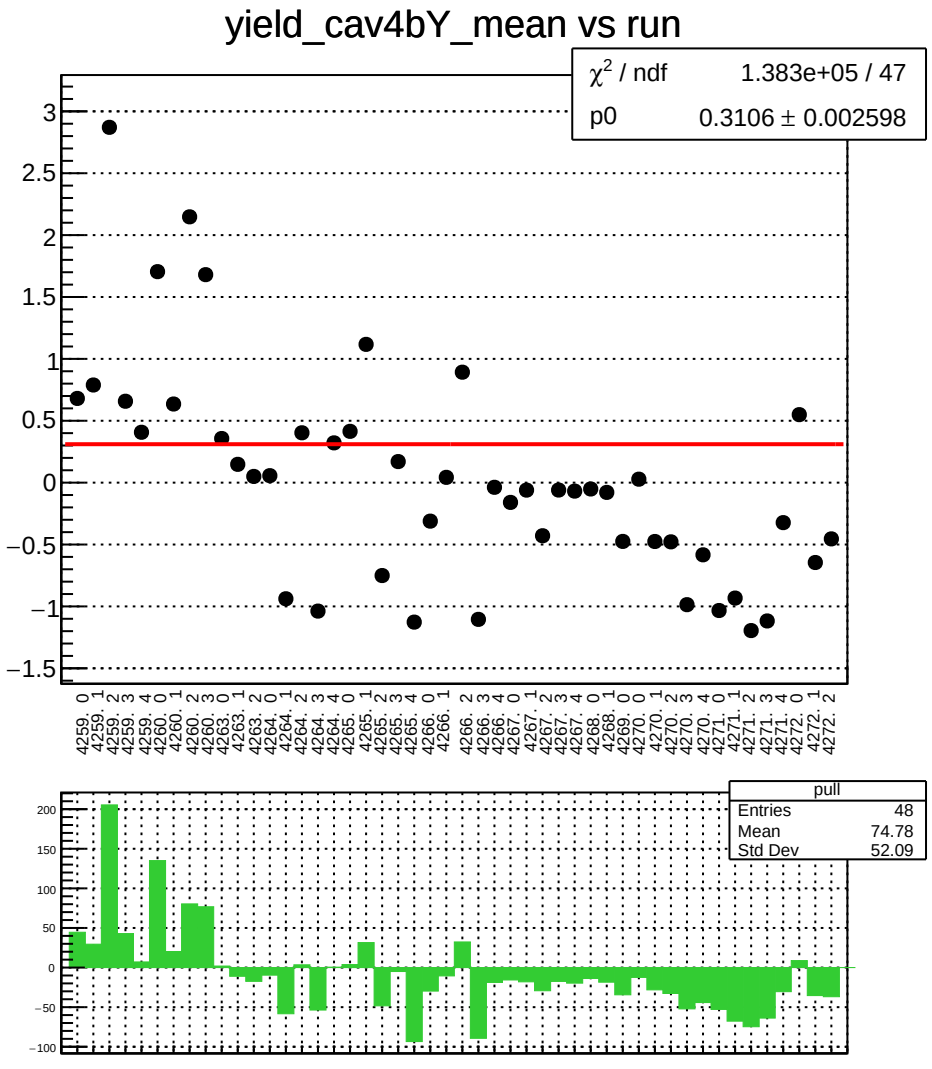

bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 55.52 / 47
p0 18.95 ± 24.08
600
400
200
0
−200
−400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 60.9
Std Dev 35.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

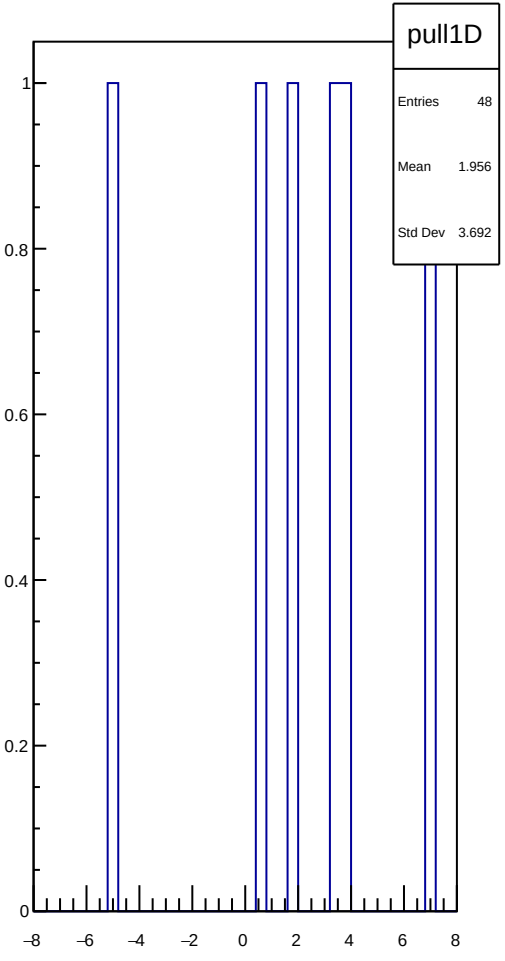

pull1D
Entries 48
Mean −0.02996
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

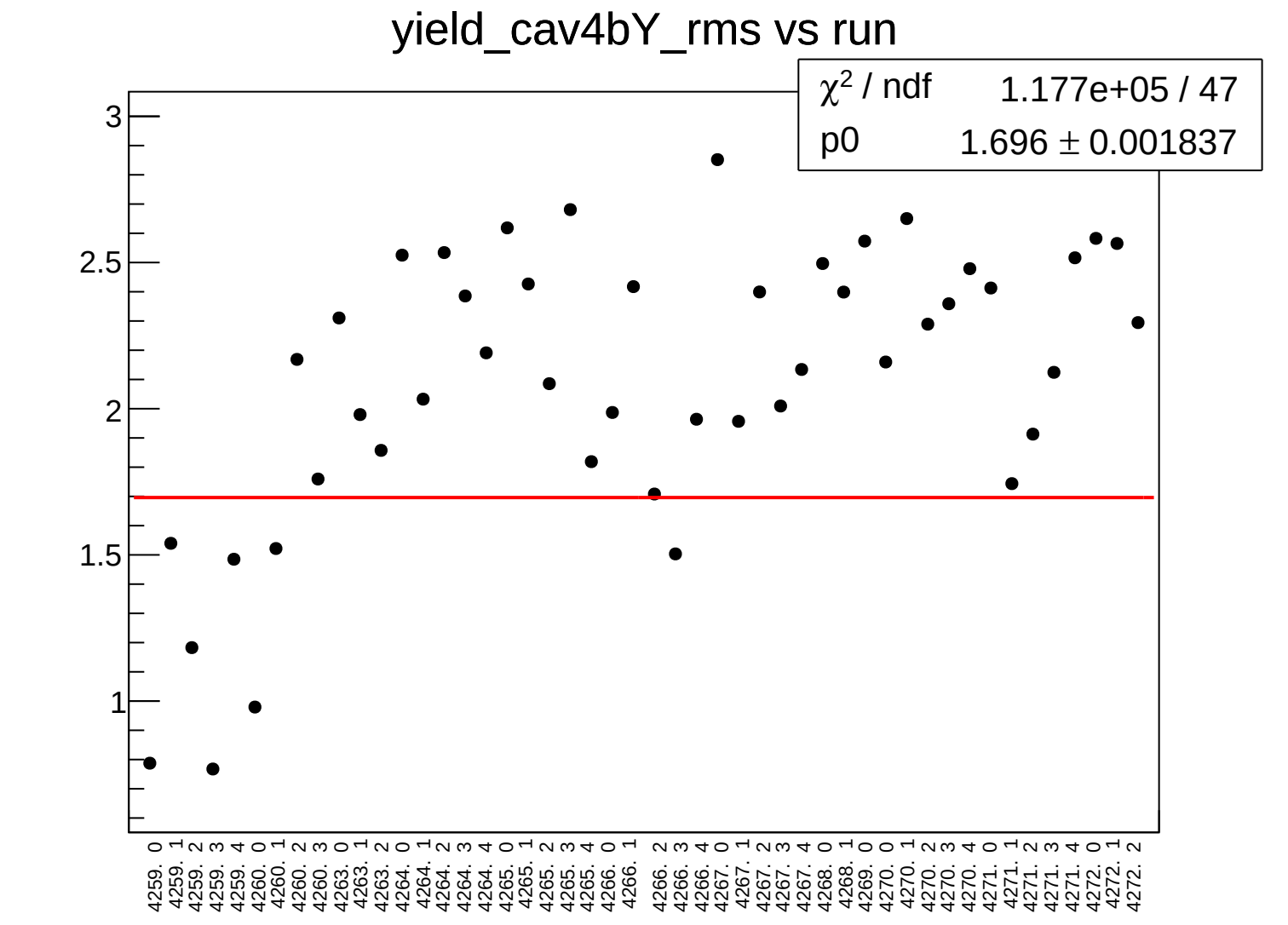

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 3866 / 47
p0 16.74 ± 0.01703
19
18
17
16
15
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

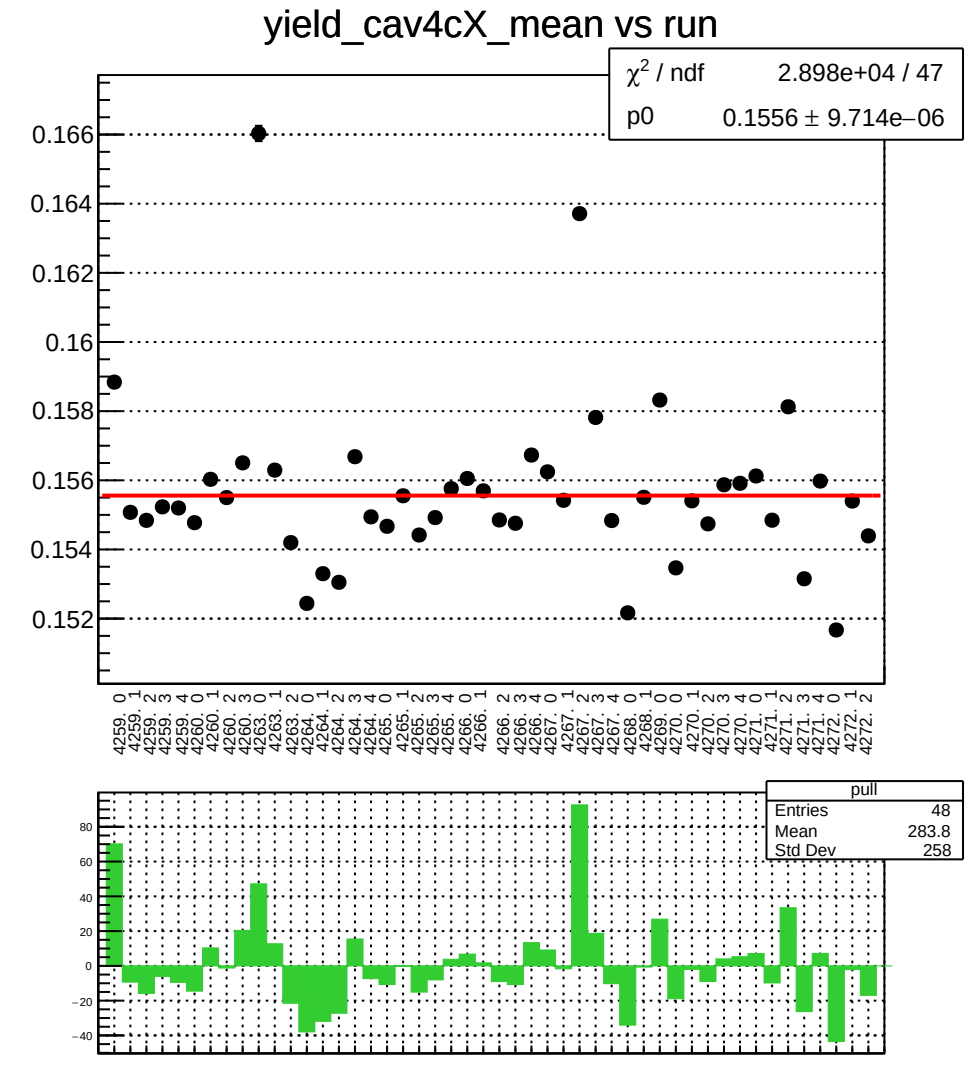

yield_cav4bX_mean vs run
χ² / ndf 3.487e+05 / 47
p0 −3.073 ± 0.003939
pull
Entries 48
Mean 19.72
Std Dev 15.19
pull1D
Entries 48
Mean 1.525
Std Dev 4.632

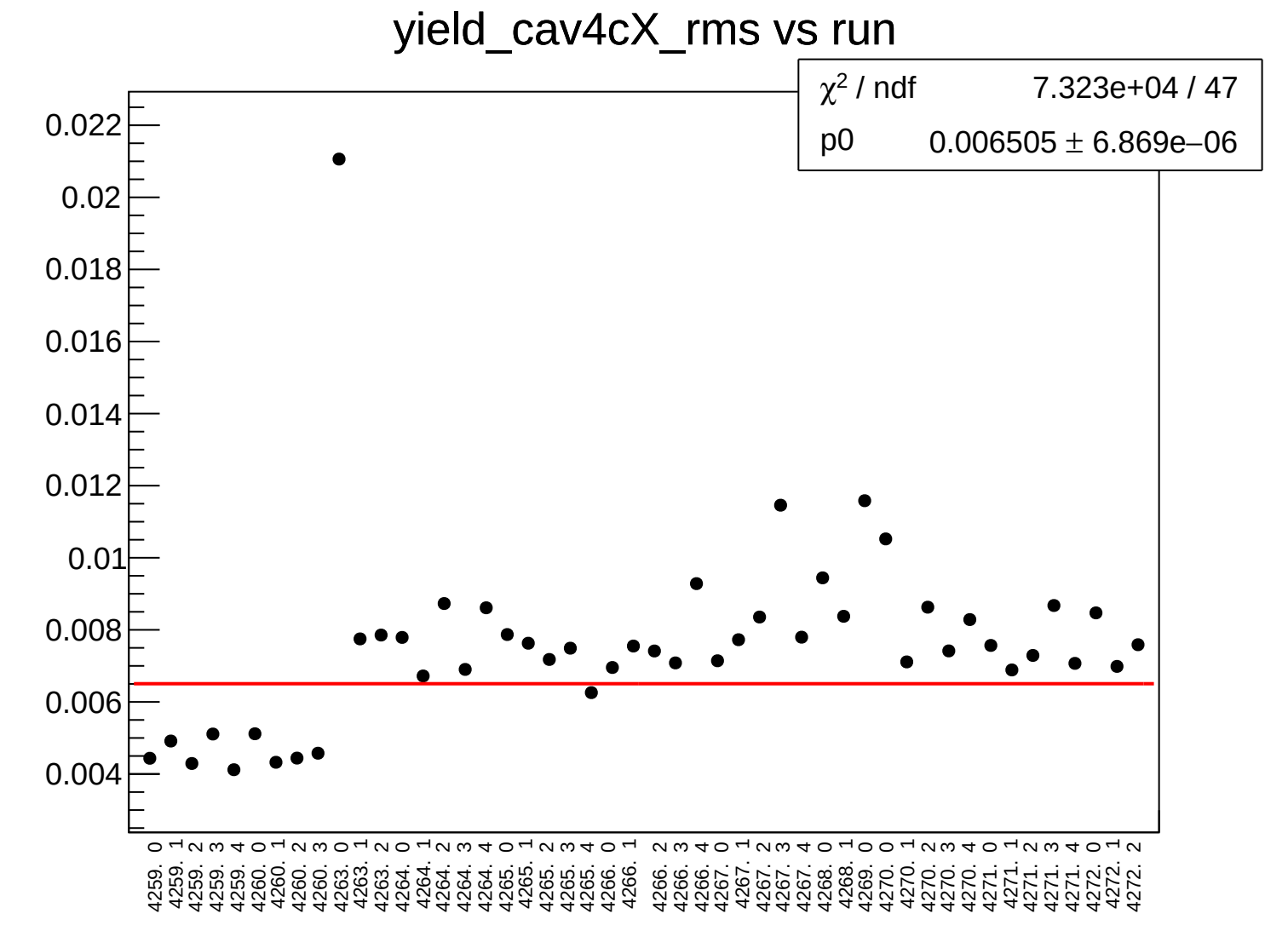

yield_cav4bX_rms vs run
χ^2 / ndf 3.609e+05 / 47
p0 2.174 ± 0.002785
6
5
4
3
2
1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

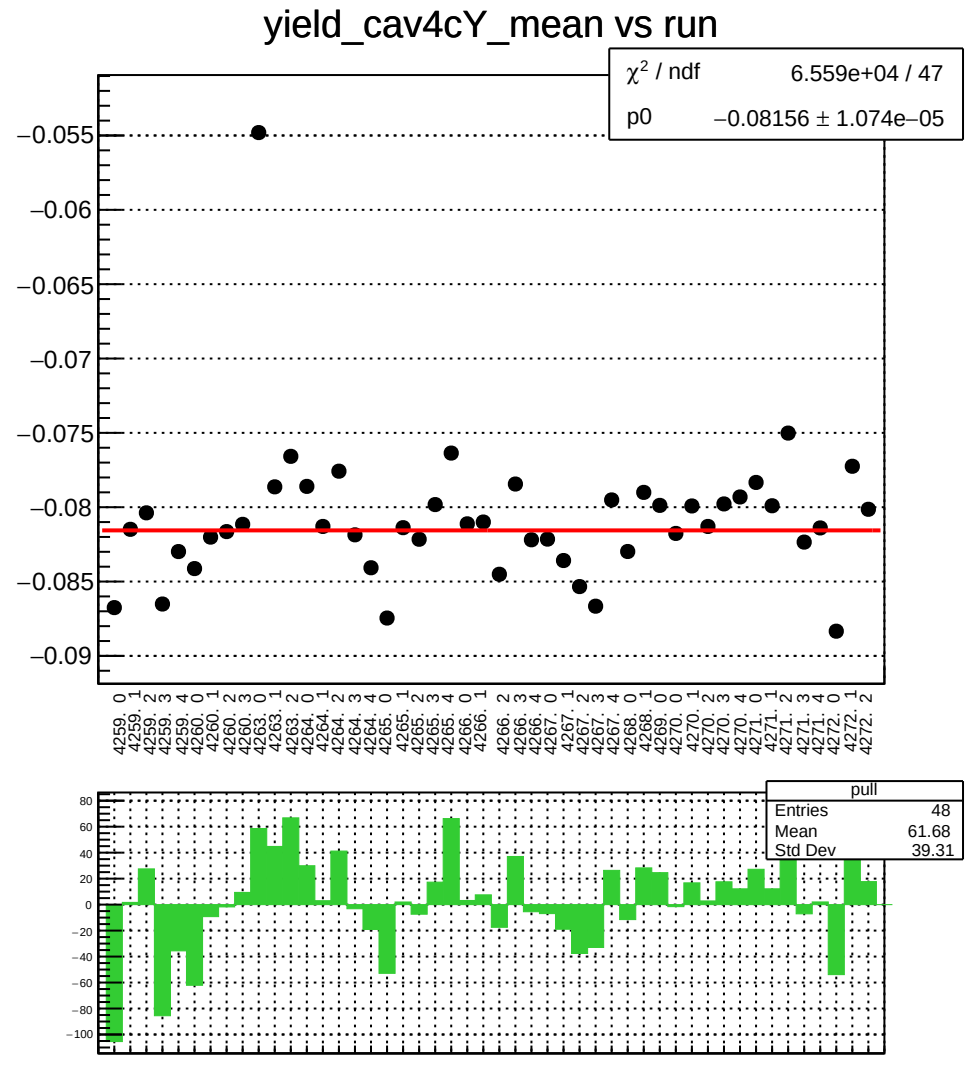

yield_cav4bY_mean vs run
χ² / ndf 1.383e+05 / 47
p0 0.3106 ± 0.002598
pull
Entries 48
Mean 74.78
Std Dev 52.09

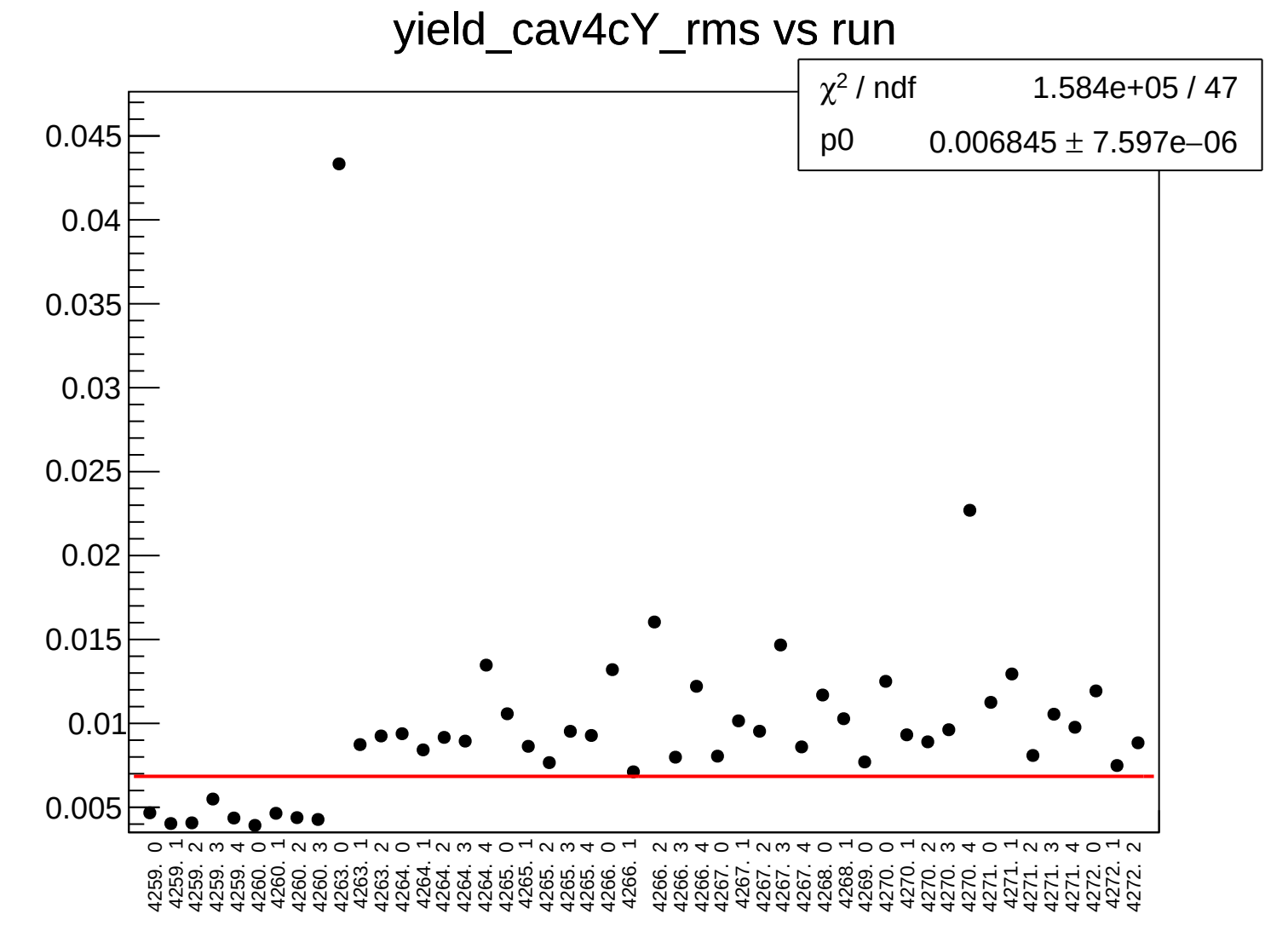

pull1D
Entries 48
Mean 1.956
Std Dev 3.692

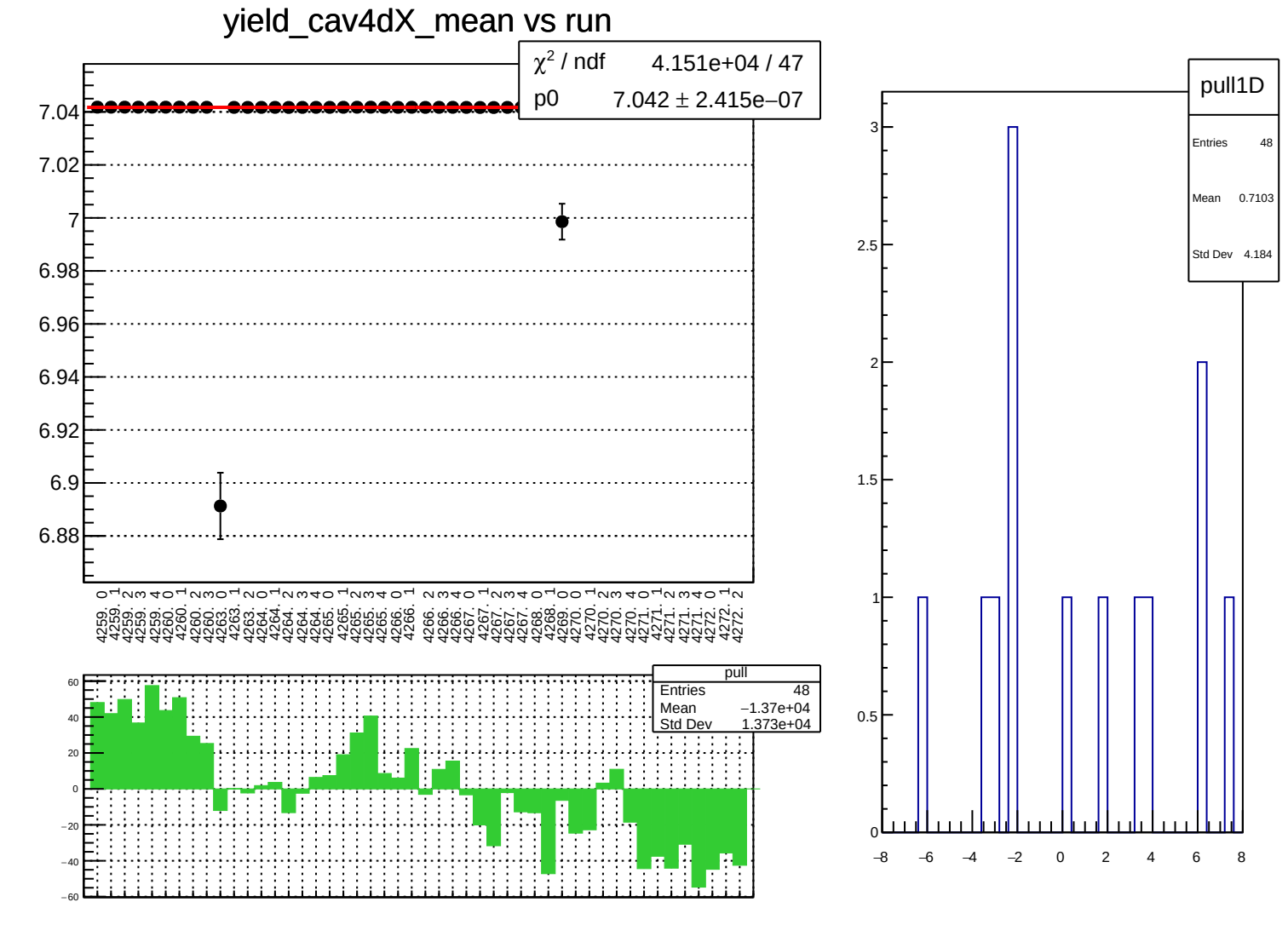

yield_cav4bY_rms vs run
χ² / ndf 1.177e+05 / 47
p0 1.696 ± 0.001837
3
2.5
2
1.5
1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

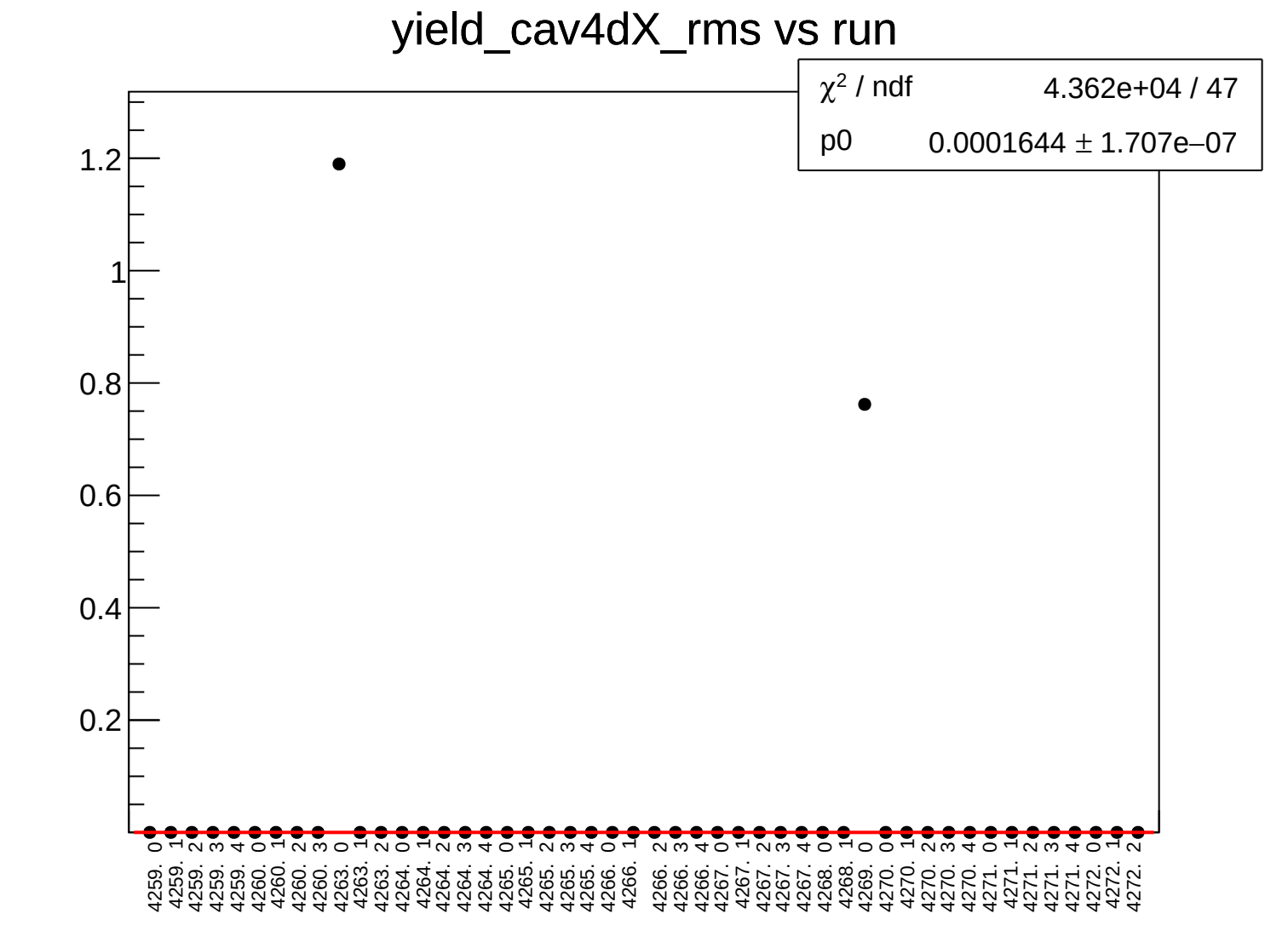

yield_cav4cX_mean vs run
χ² / ndf 2.898e+04 / 47
p0 0.1556 ± 9.714e−06
0.166
0.164
0.162
0.16
0.158
0.156
0.154
0.152
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 283.8
Std Dev 258
80
60
40
20
0
−20
−40
pull1D
Entries 48
Mean 0.976
Std Dev 4.455
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

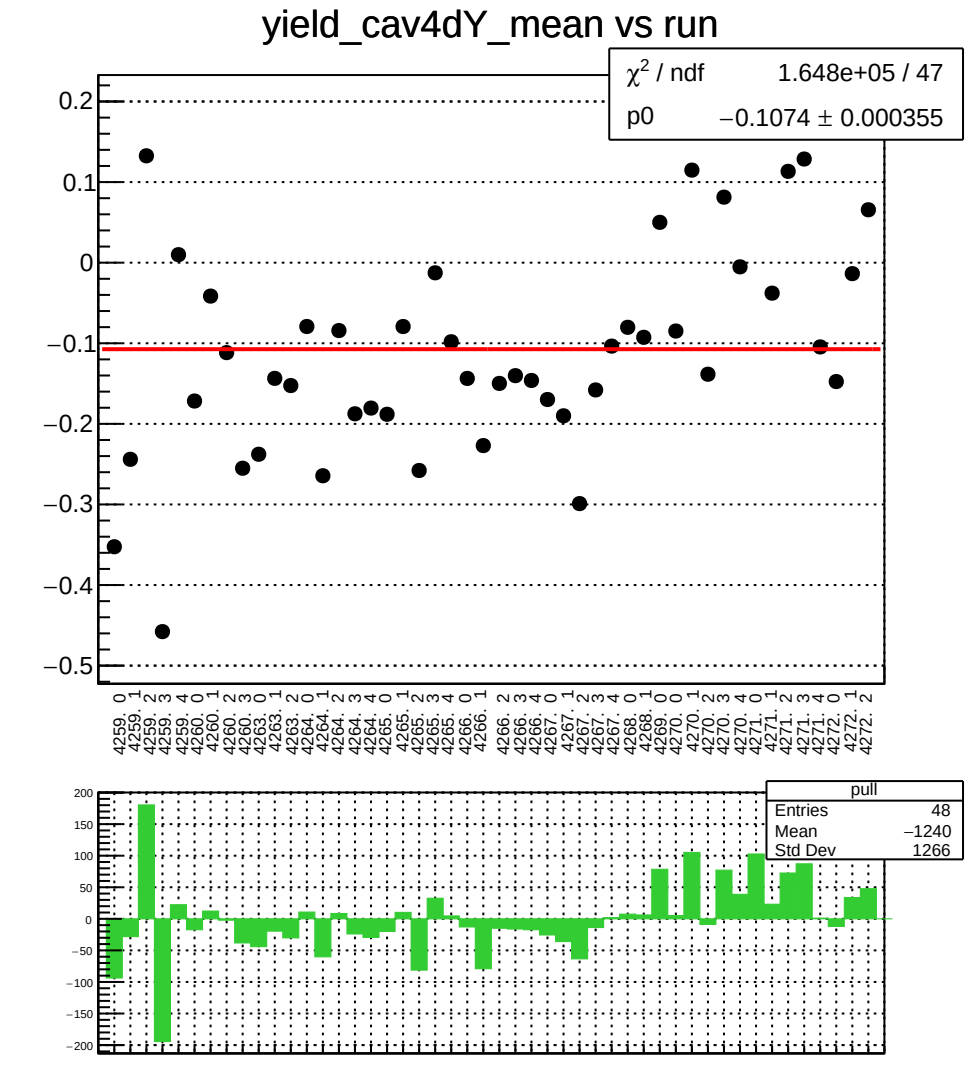

yield_cav4cX_rms vs run
χ² / ndf 7.323e+04 / 47
p0 0.006505 ± 6.869e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

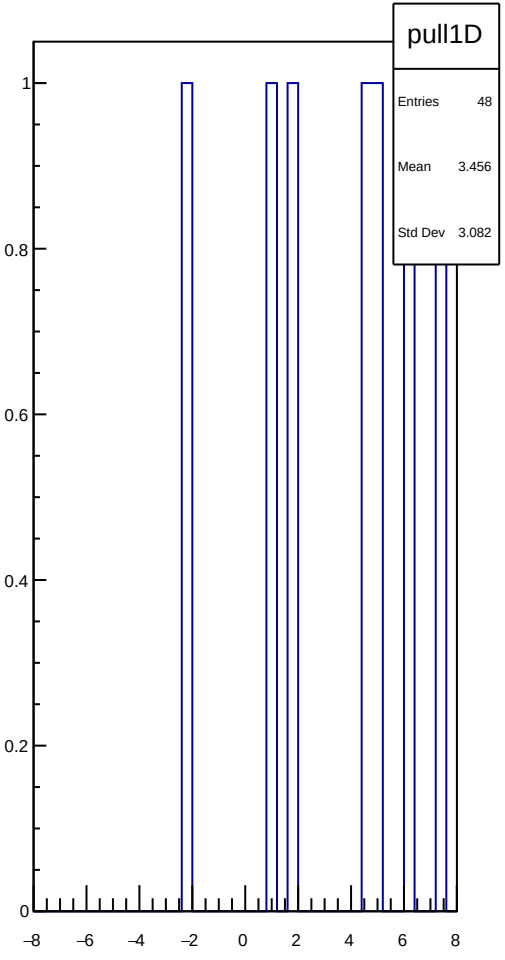

yield_cav4cY_mean vs run
χ² / ndf 6.559e+04 / 47
p0 −0.08156 ± 1.074e−05
−0.055
−0.06
−0.065
−0.07
−0.075
−0.08
−0.085
−0.09
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 61.68
Std Dev 39.31
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 48
Mean −0.7893
Std Dev 4.499
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

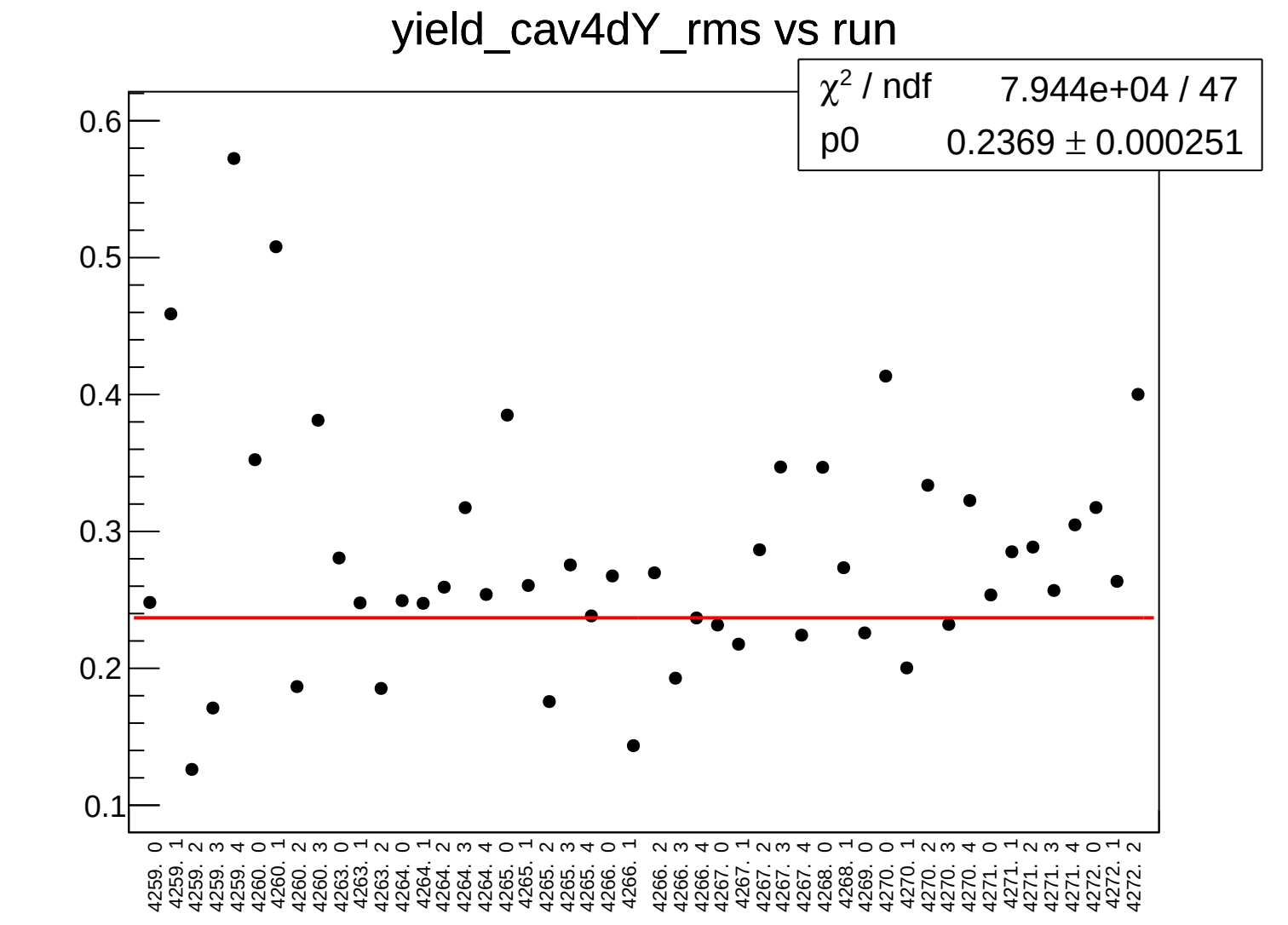

yield_cav4cY_rms vs run
χ² / ndf 1.584e+05 / 47
p0 0.006845 ± 7.597e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

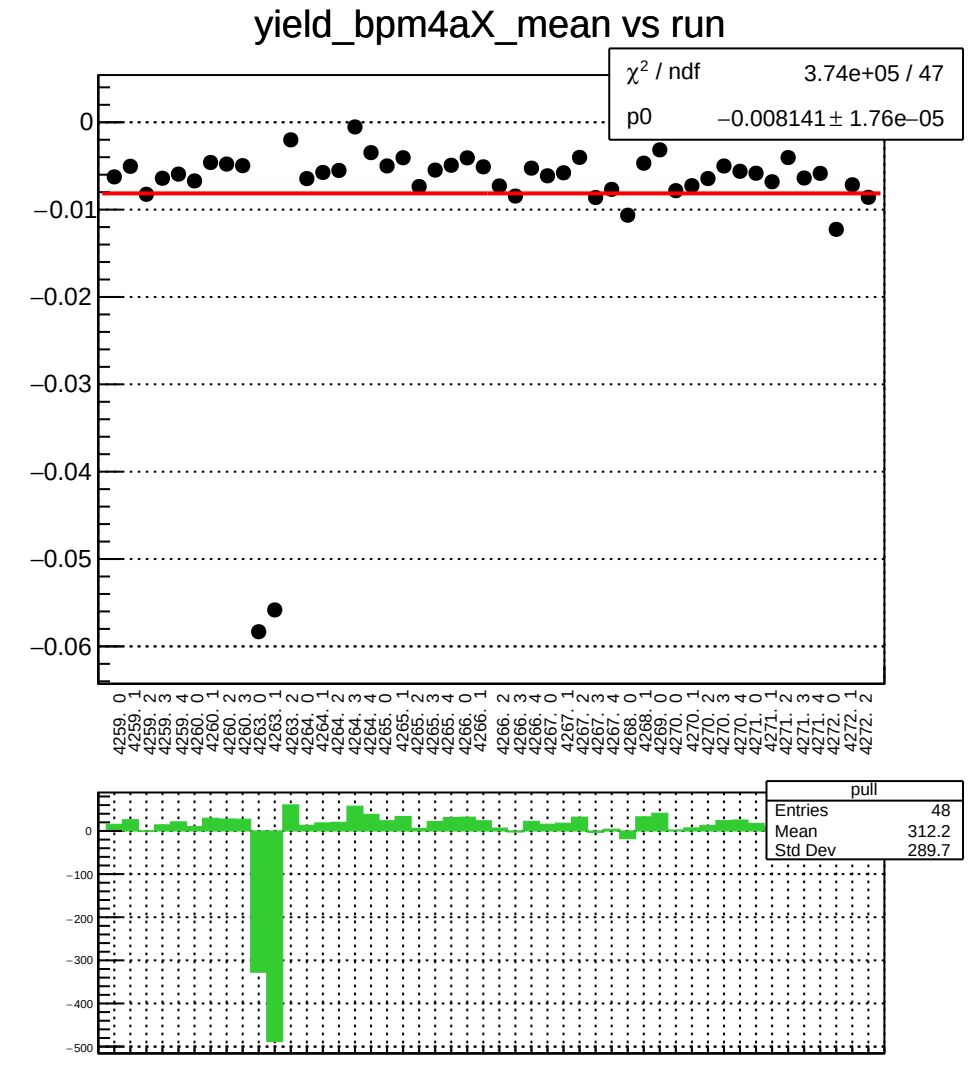

yield_cav4dX_mean vs run
χ² / ndf 4.151e+04 / 47
p0 7.042 ± 2.415e−07
7.04
7.02
7
6.98
6.96
6.94
6.92
6.9
6.88
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1.37e+04
Std Dev 1.373e+04
60
40
20
0
−20
−40
−60
pull1D
Entries 48
Mean 0.7103
Std Dev 4.184
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

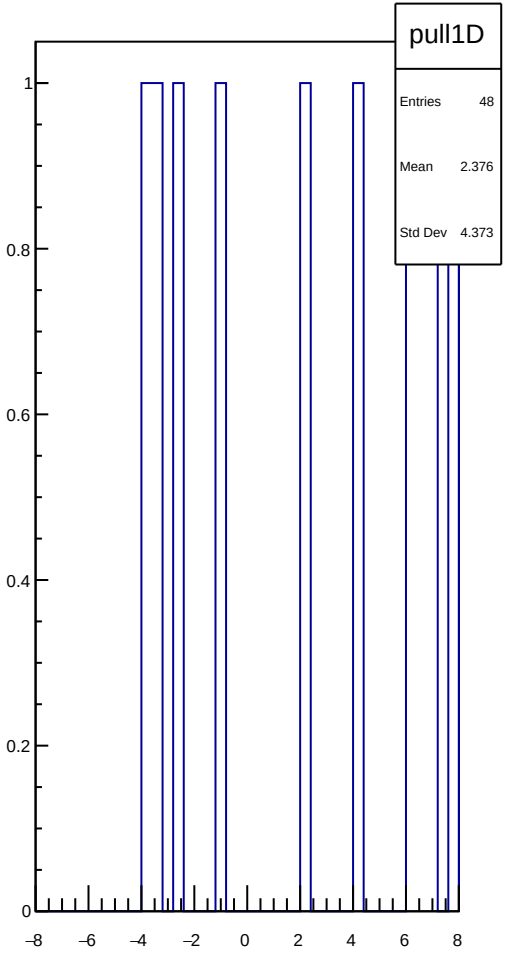

yield_cav4dX_rms vs run
χ² / ndf 4.362e+04 / 47
p0 0.0001644 ± 1.707e−07
1.2
1
0.8
0.6
0.4
0.2
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

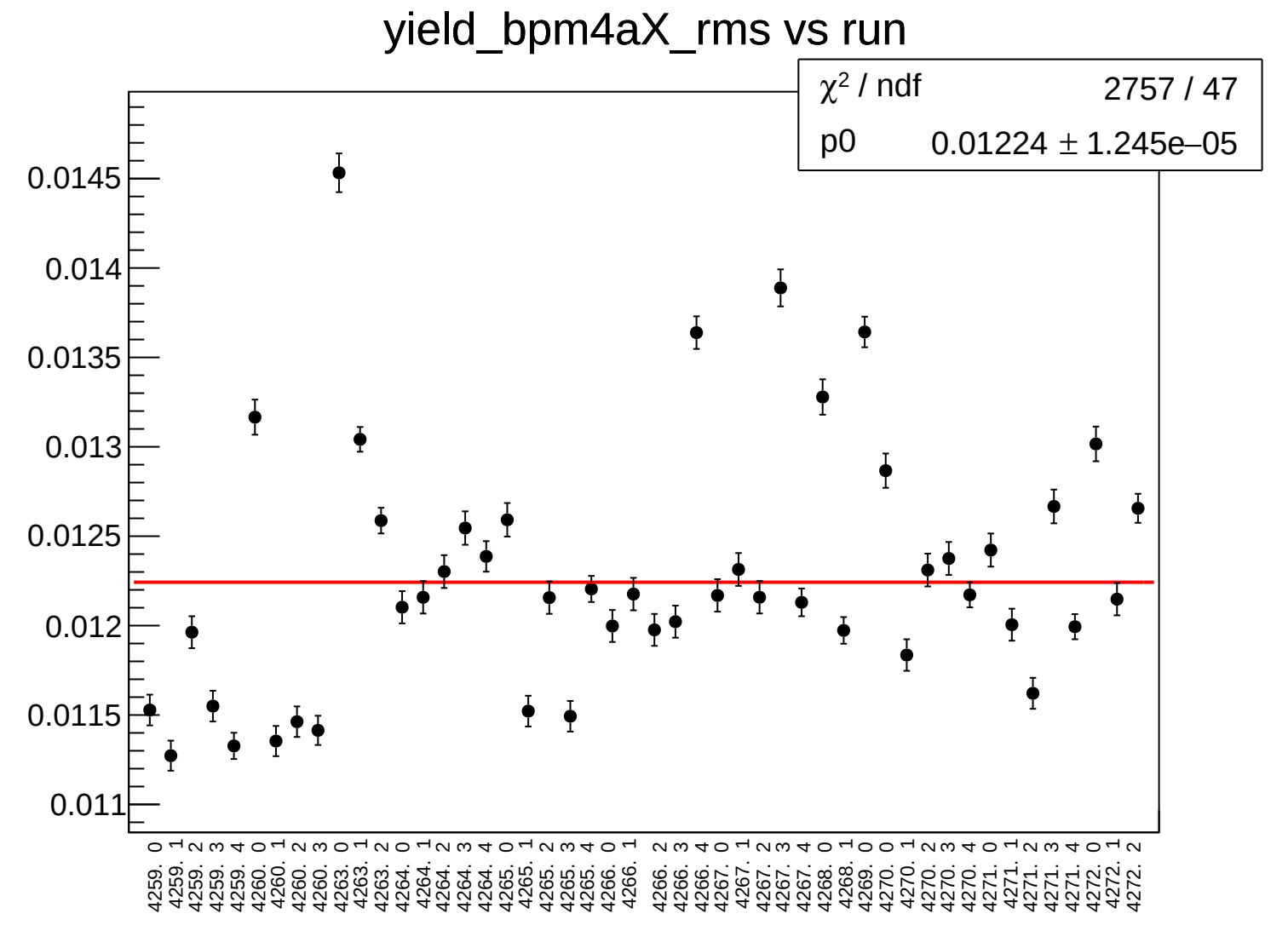

yield_cav4dY_mean vs run
χ² / ndf 1.648e+05 / 47
p0 −0.1074 ± 0.000355
pull
Entries 48
Mean −1240
Std Dev 1266

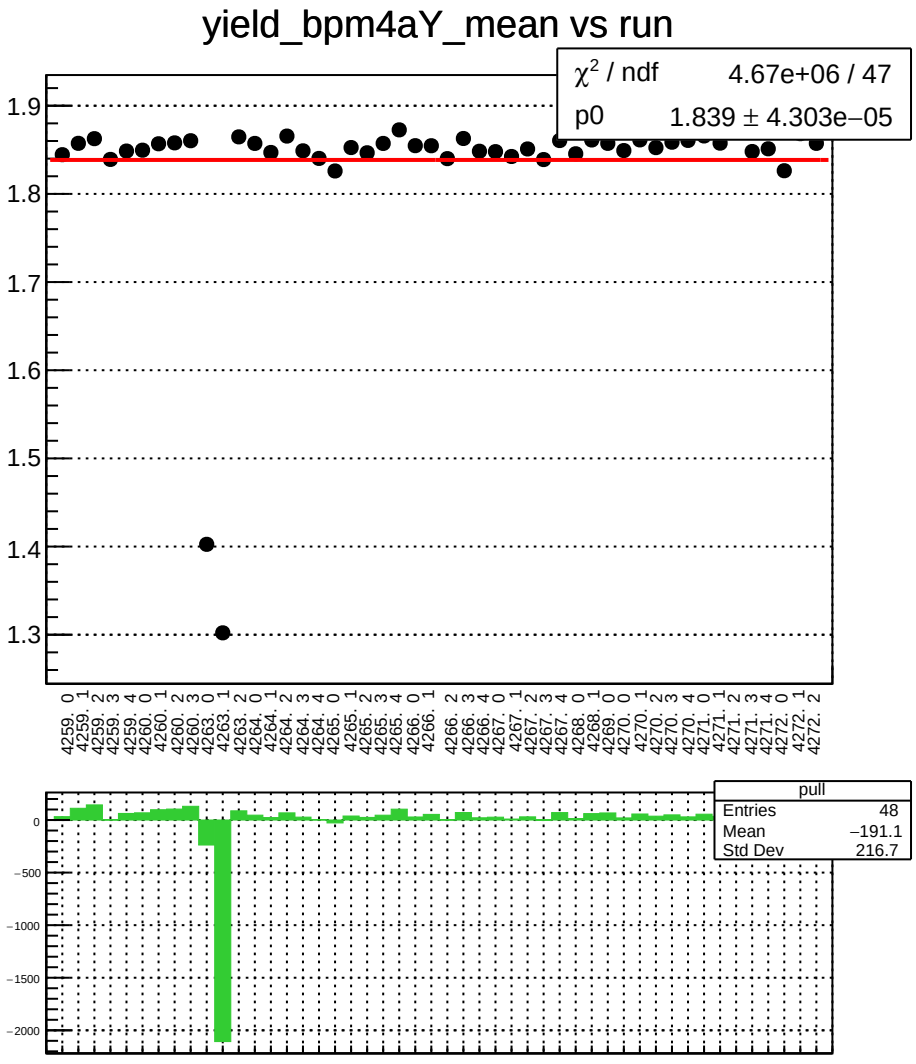

pull1D
Entries 48
Mean 3.456
Std Dev 3.082

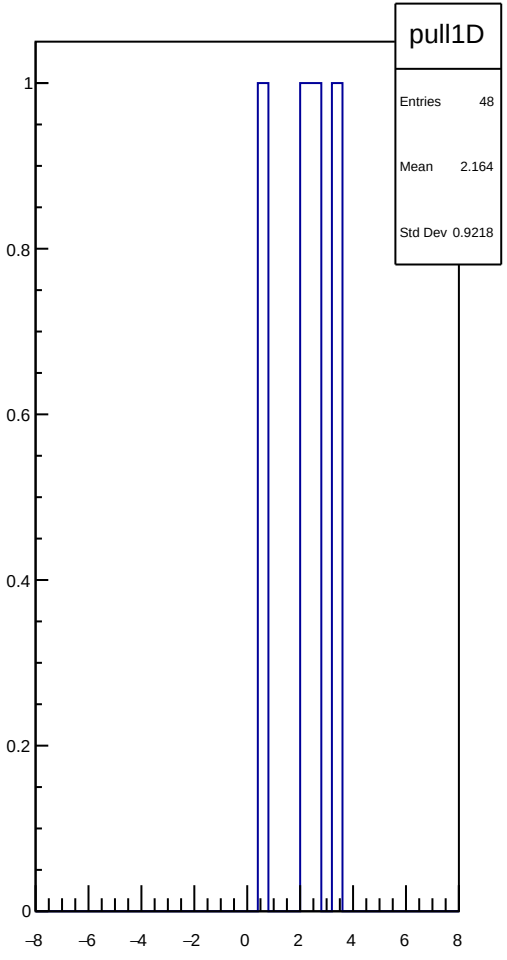

yield_cav4dY_rms vs run
χ² / ndf 7.944e+04 / 47
p0 0.2369 ± 0.000251
0.6
0.5
0.4
0.3
0.2
0.1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

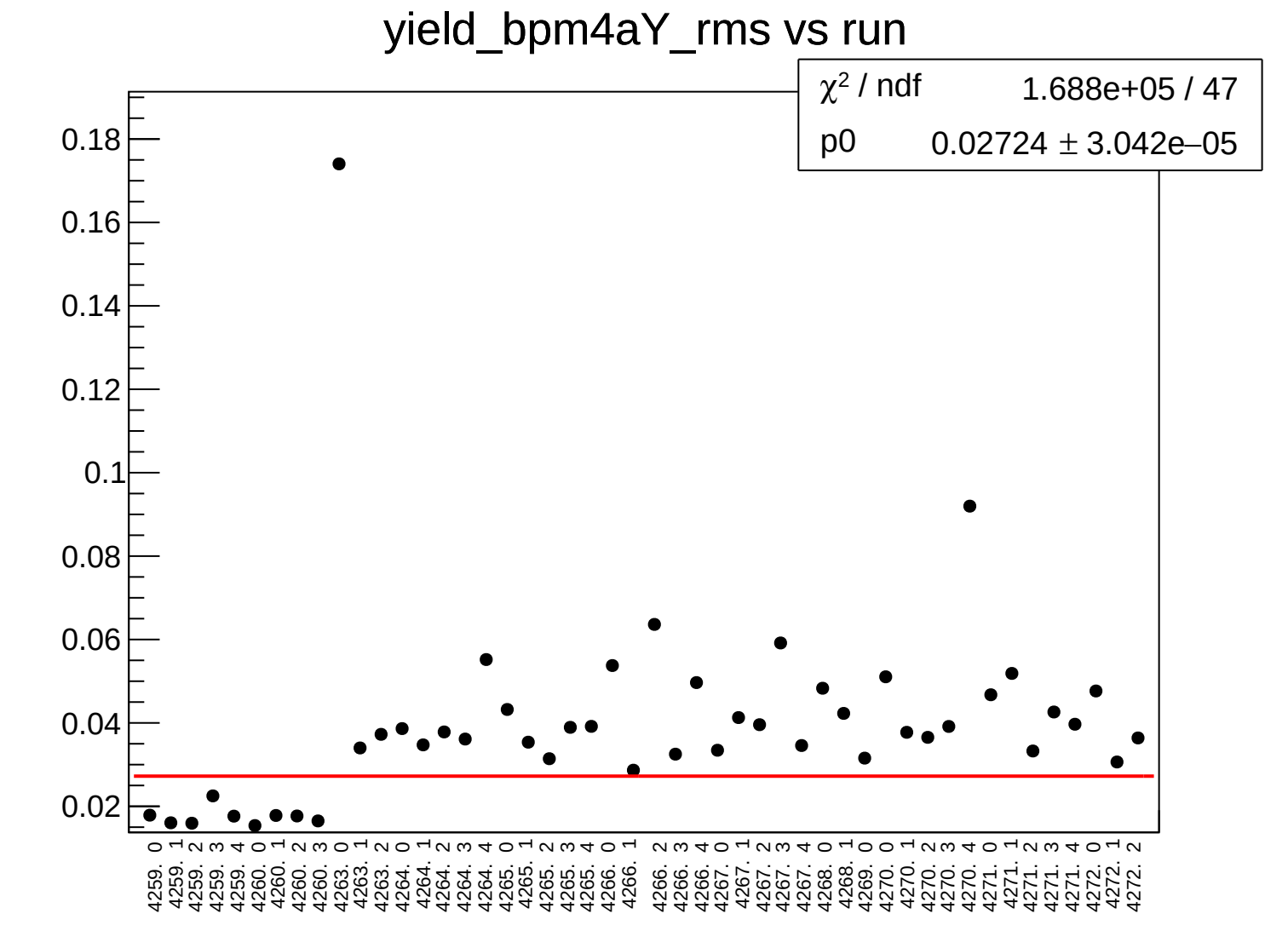

yield_bpm4aX_mean vs run
χ² / ndf 3.74e+05 / 47
p0 −0.008141 ± 1.76e−05
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 312.2
Std Dev 289.7
0
−100
−200
−300
−400
−500

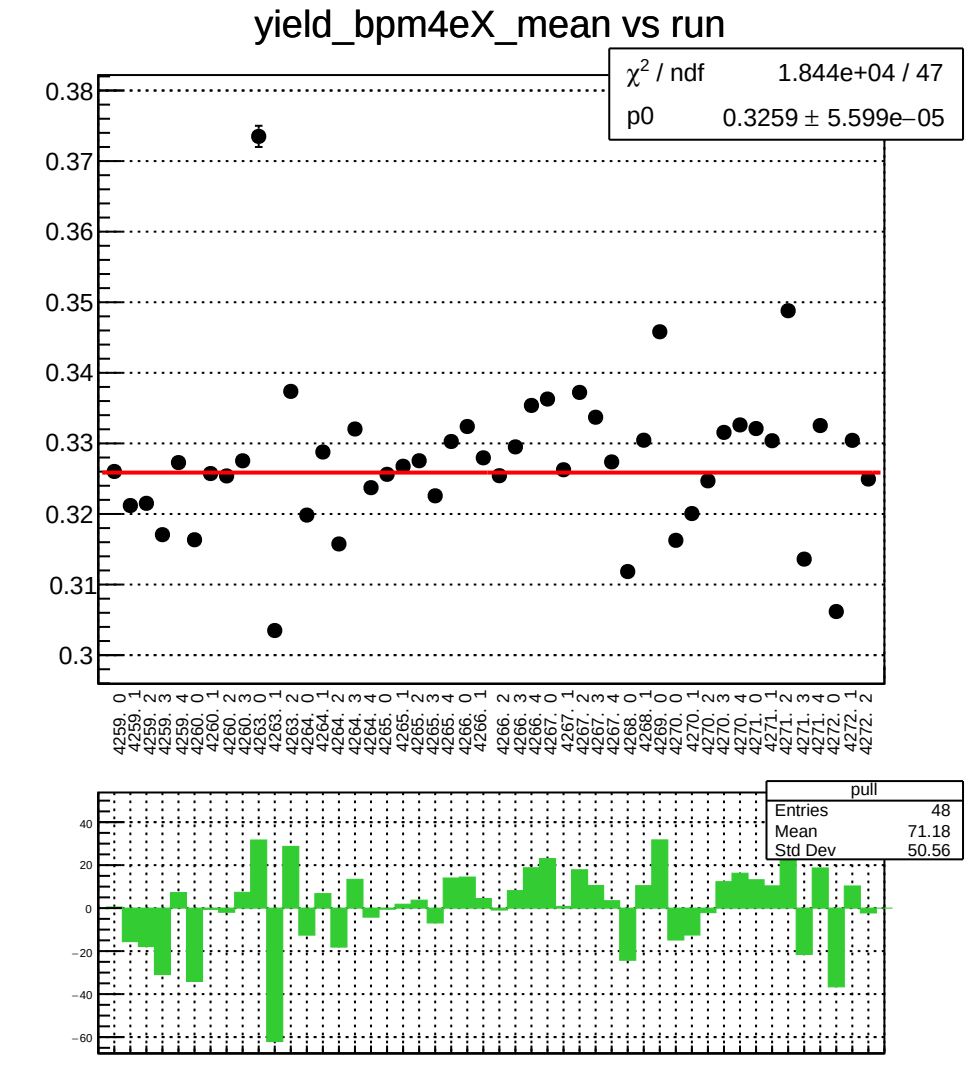

pull1D
Entries 48
Mean 2.376
Std Dev 4.373
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

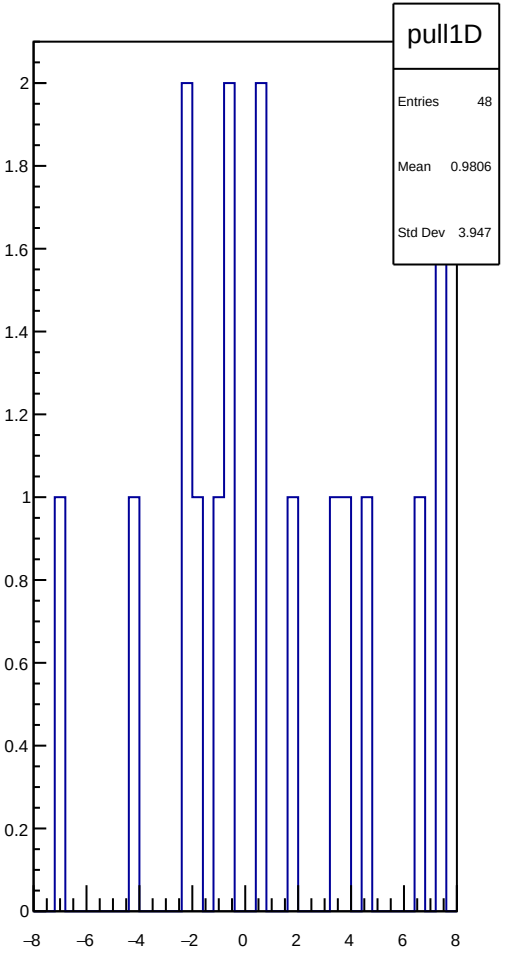

yield_bpm4aX_rms vs run
χ² / ndf 2757 / 47
p0 0.01224 ± 1.245e−05
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

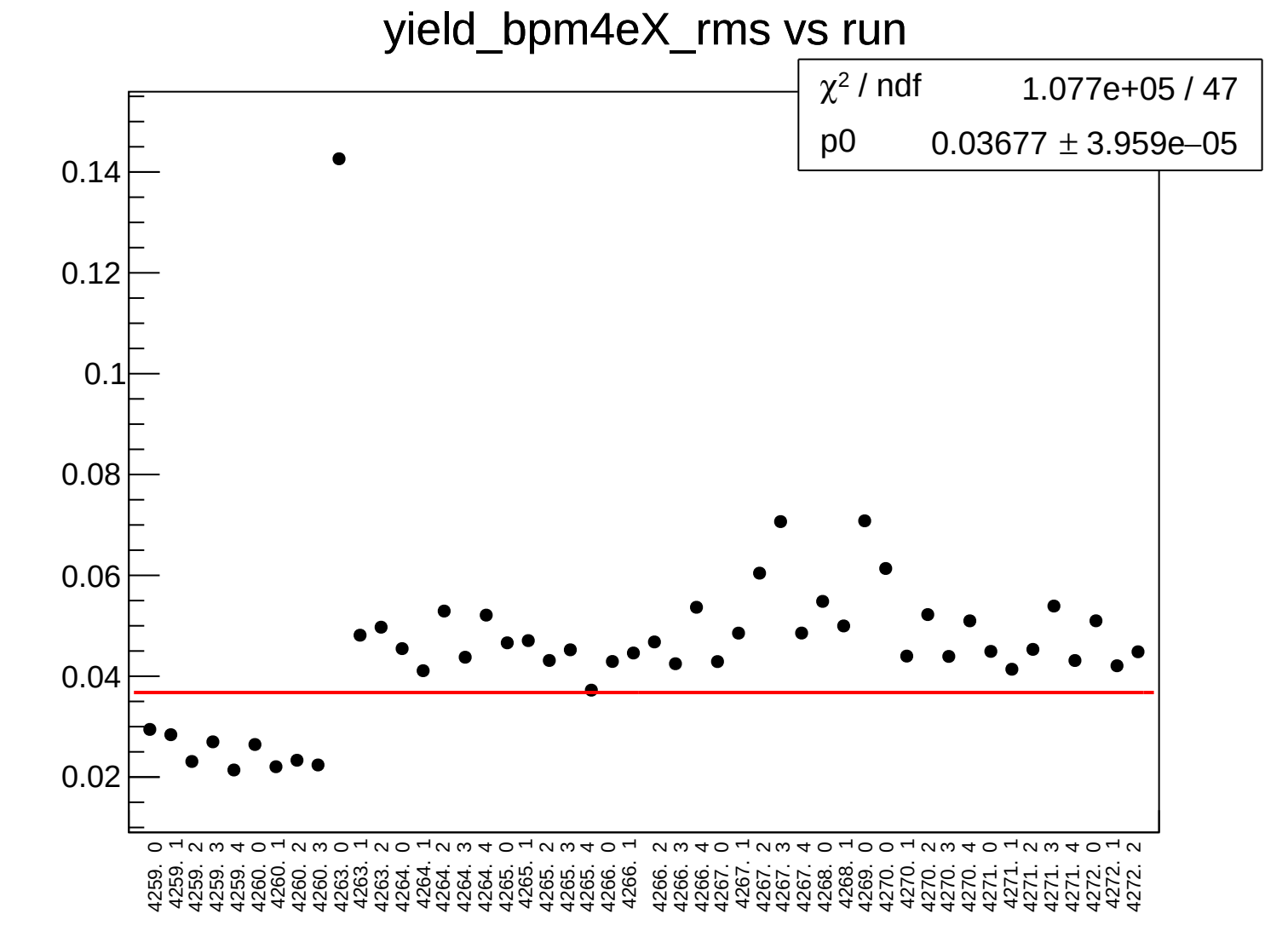

yield_bpm4aY_mean vs run
χ² / ndf 4.67e+06 / 47
p0 1.839 ± 4.303e−05
1.9
1.8
1.7
1.6
1.5
1.4
1.3
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −191.1
Std Dev 216.7
0
−500
−1000
−1500
−2000

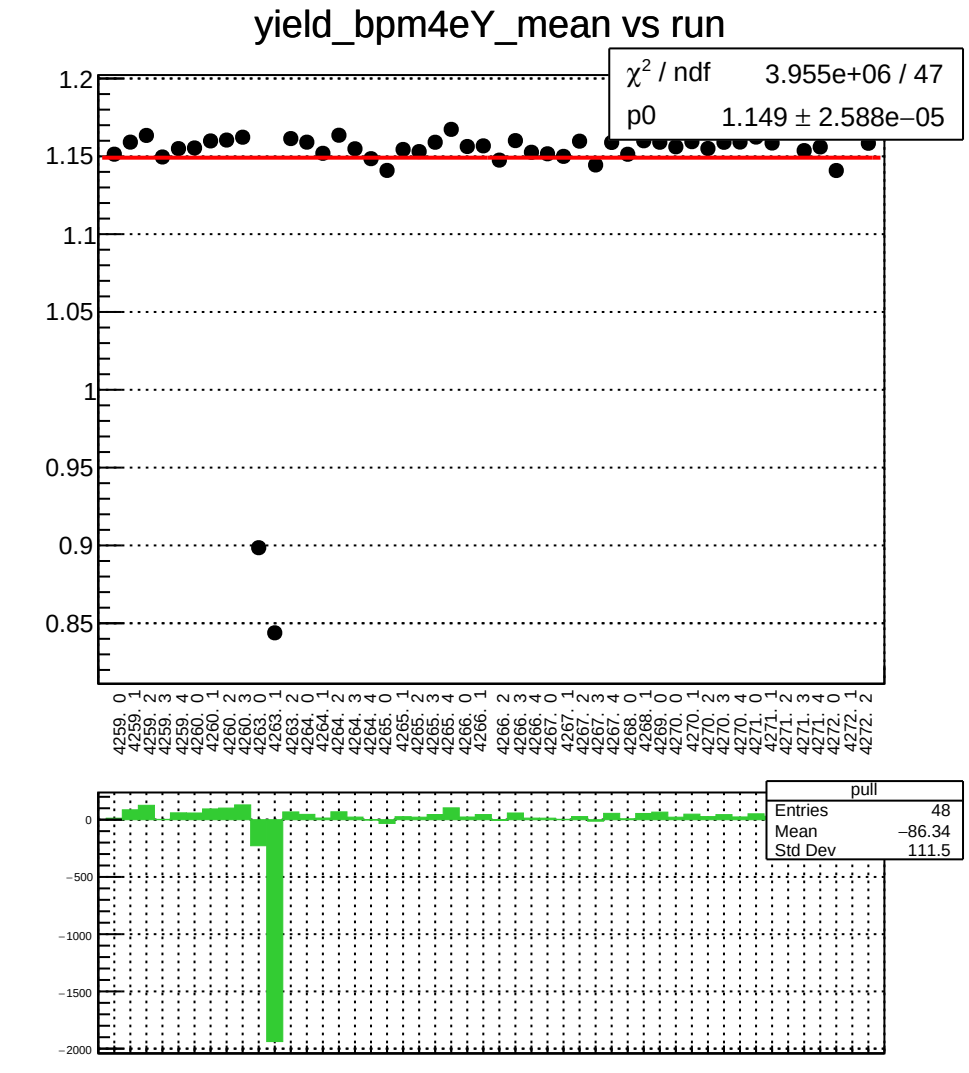

pull1D
Entries 48
Mean 2.164
Std Dev 0.9218
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

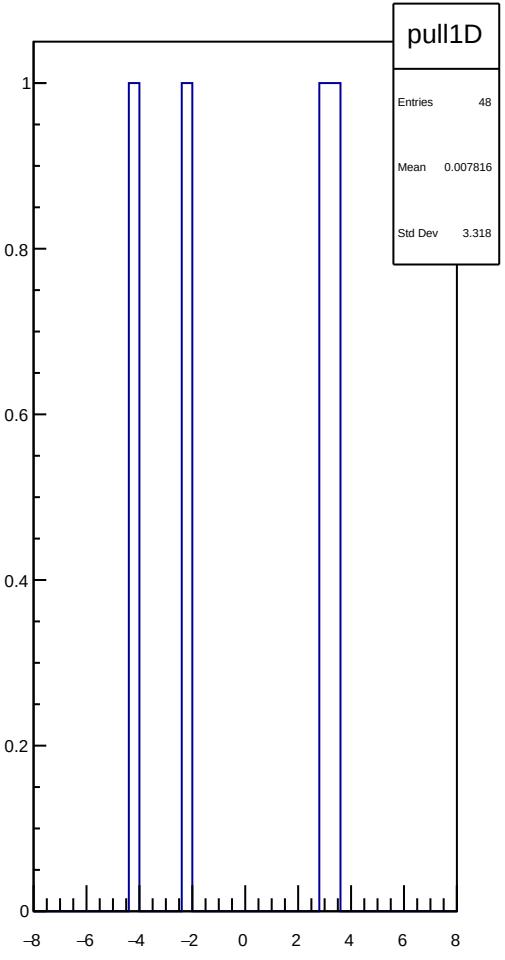

yield_bpm4aY_rms vs run
χ² / ndf 1.688e+05 / 47
p0 0.02724 ± 3.042e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

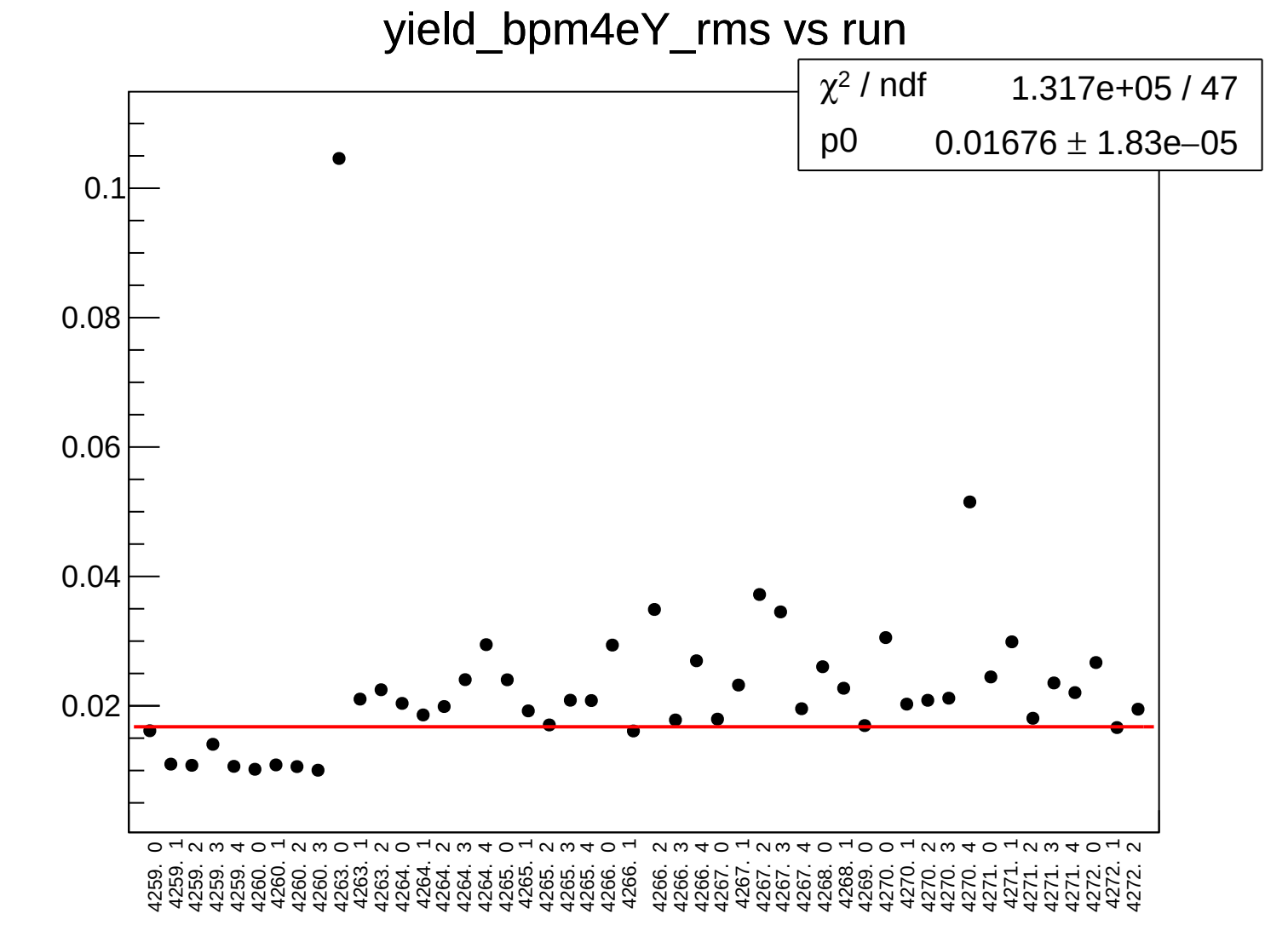

yield_bpm4eX_mean vs run
χ² / ndf 1.844e+04 / 47
p0 0.3259 ± 5.599e−05
pull
Entries 48
Mean 71.18
Std Dev 50.56

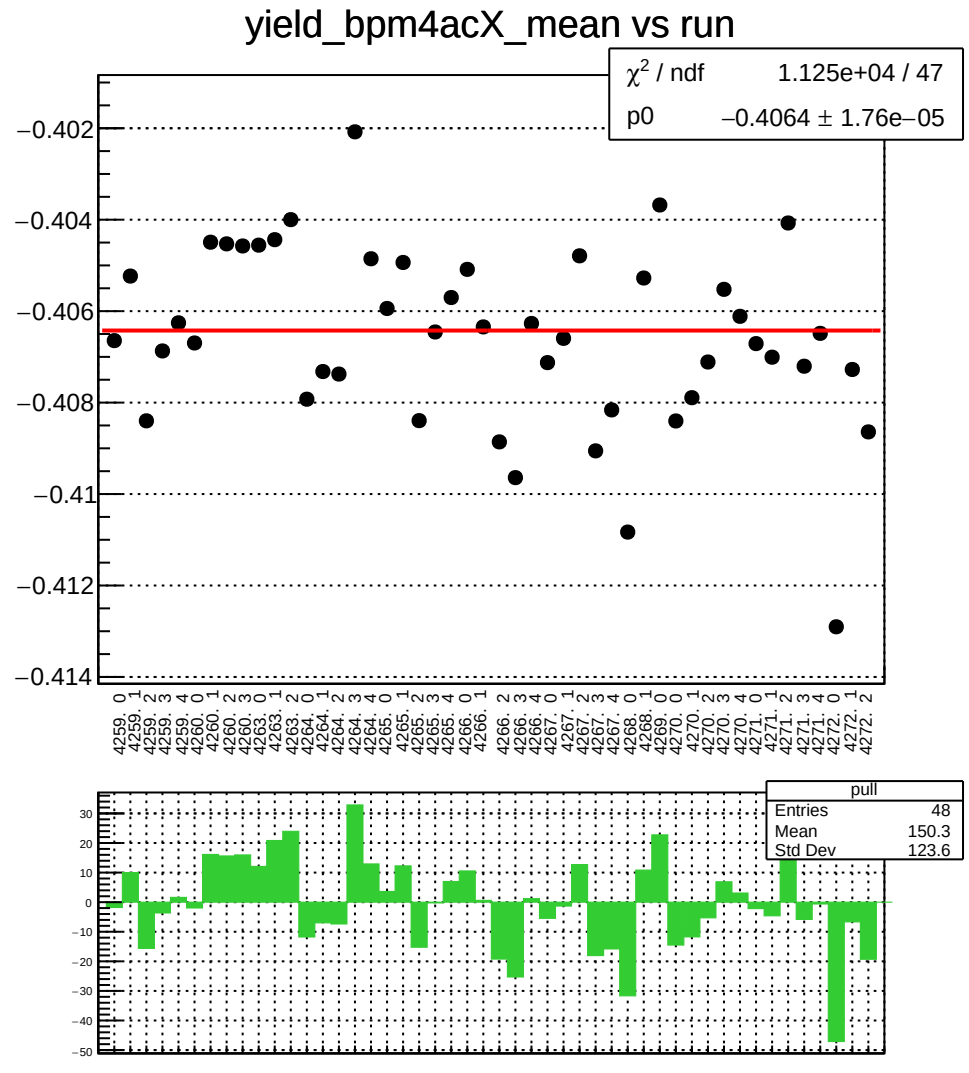

pull1D
Entries 48
Mean 0.9806
Std Dev 3.947

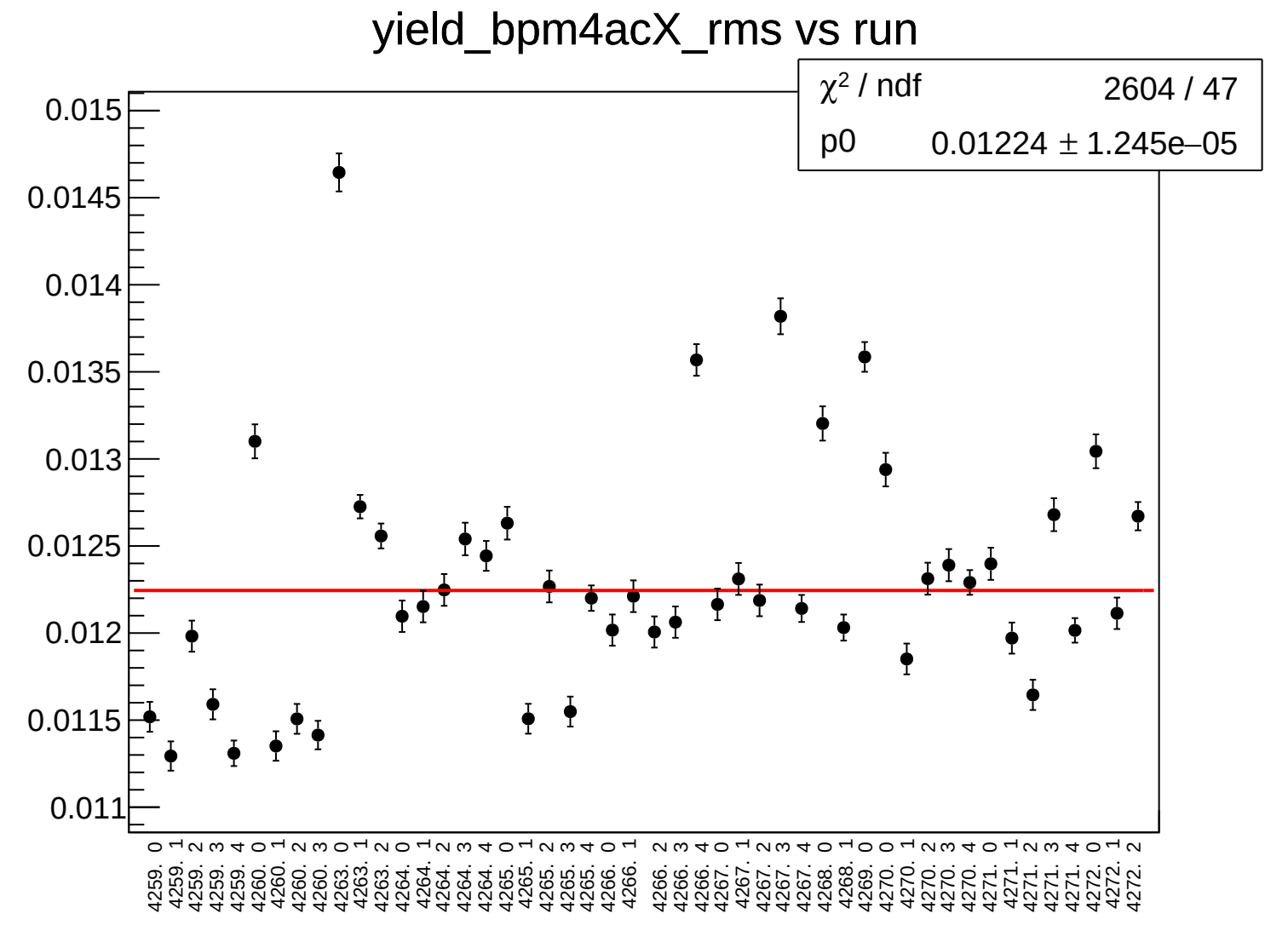

yield_bpm4eX_rms vs run
χ² / ndf 1.077e+05 / 47
p0 0.03677 ± 3.959e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

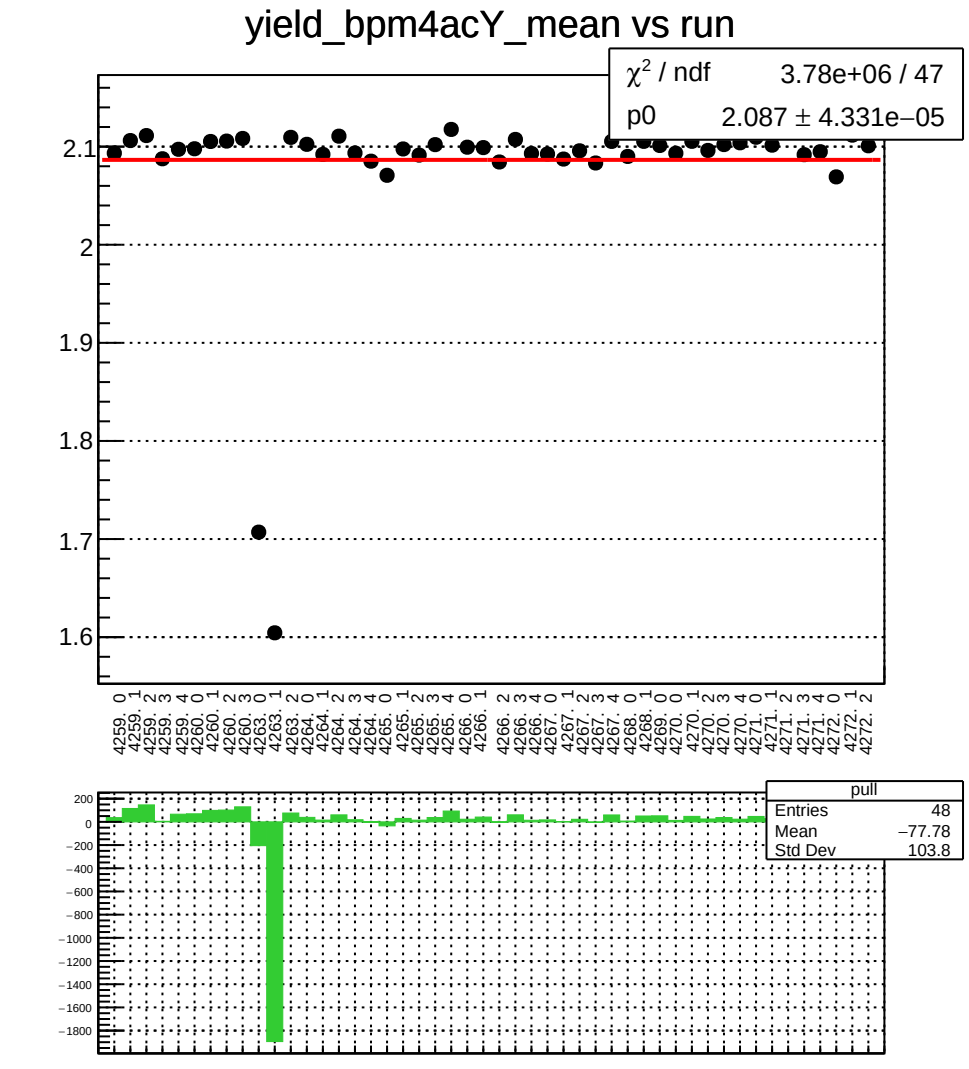

yield_bpm4eY_mean vs run
χ² / ndf 3.955e+06 / 47
p0 1.149 ± 2.588e−05
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −86.34
Std Dev 111.5
0
−500
−1000
−1500
−2000

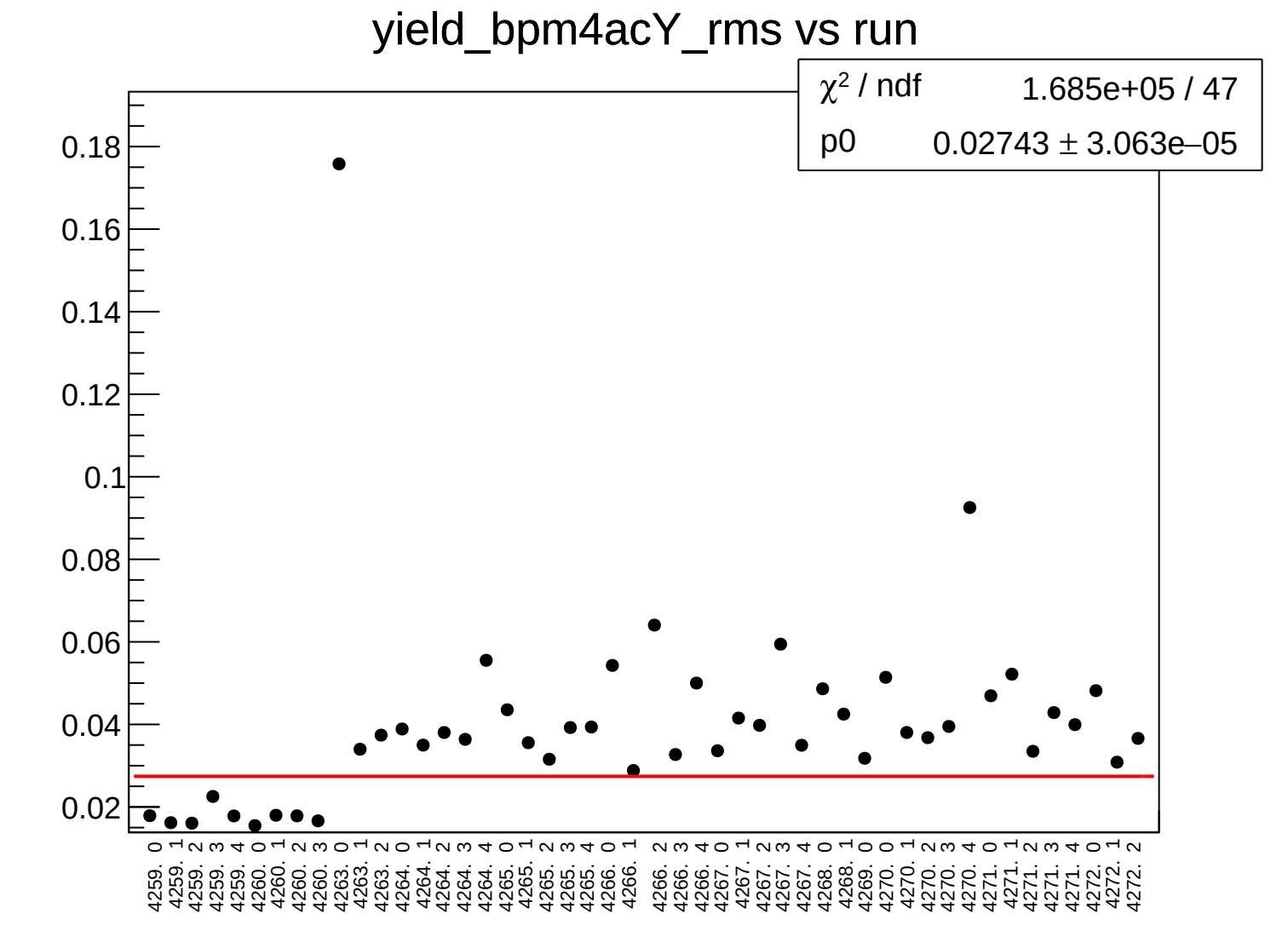

pull1D
Entries 48
Mean 0.007816
Std Dev 3.318
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

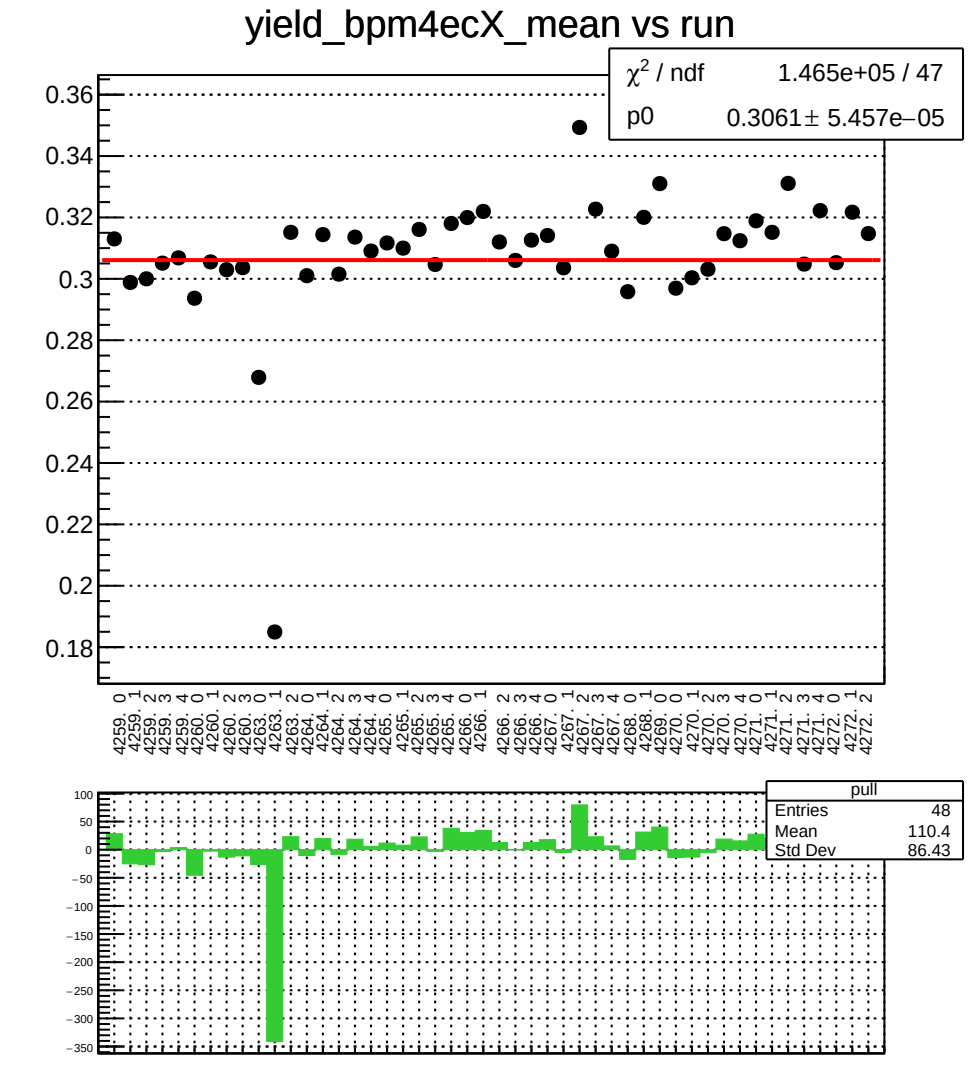

yield_bpm4eY_rms vs run
χ² / ndf 1.317e+05 / 47
p0 0.01676 ± 1.83e–05
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

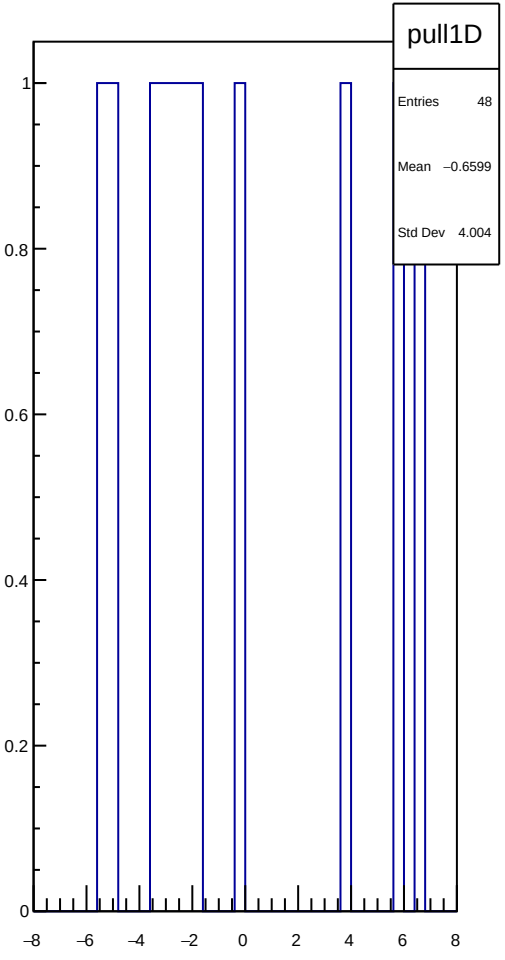

yield_bpm4acX_mean vs run
χ² / ndf 1.125e+04 / 47
p0 −0.4064 ± 1.76e−05
−0.402
−0.404
−0.406
−0.408
−0.41
−0.412
−0.414
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 150.3
Std Dev 123.6
30
20
10
0
−10
−20
−30
−40
−50
pull1D
Entries 48
Mean −1.431
Std Dev 4.195
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

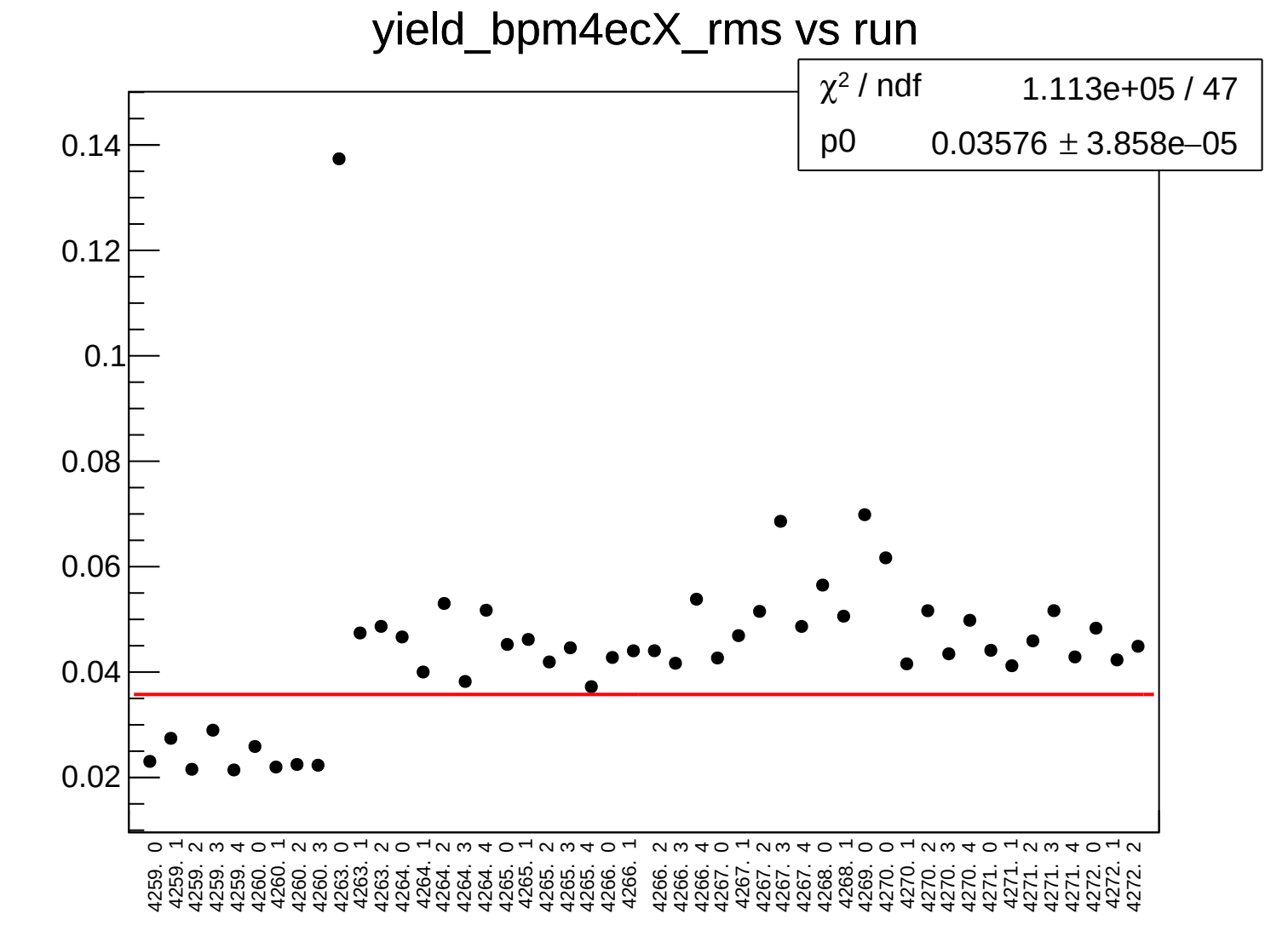

yield_bpm4acX_rms vs run
χ² / ndf 2604 / 47
p0 0.01224 ± 1.245e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

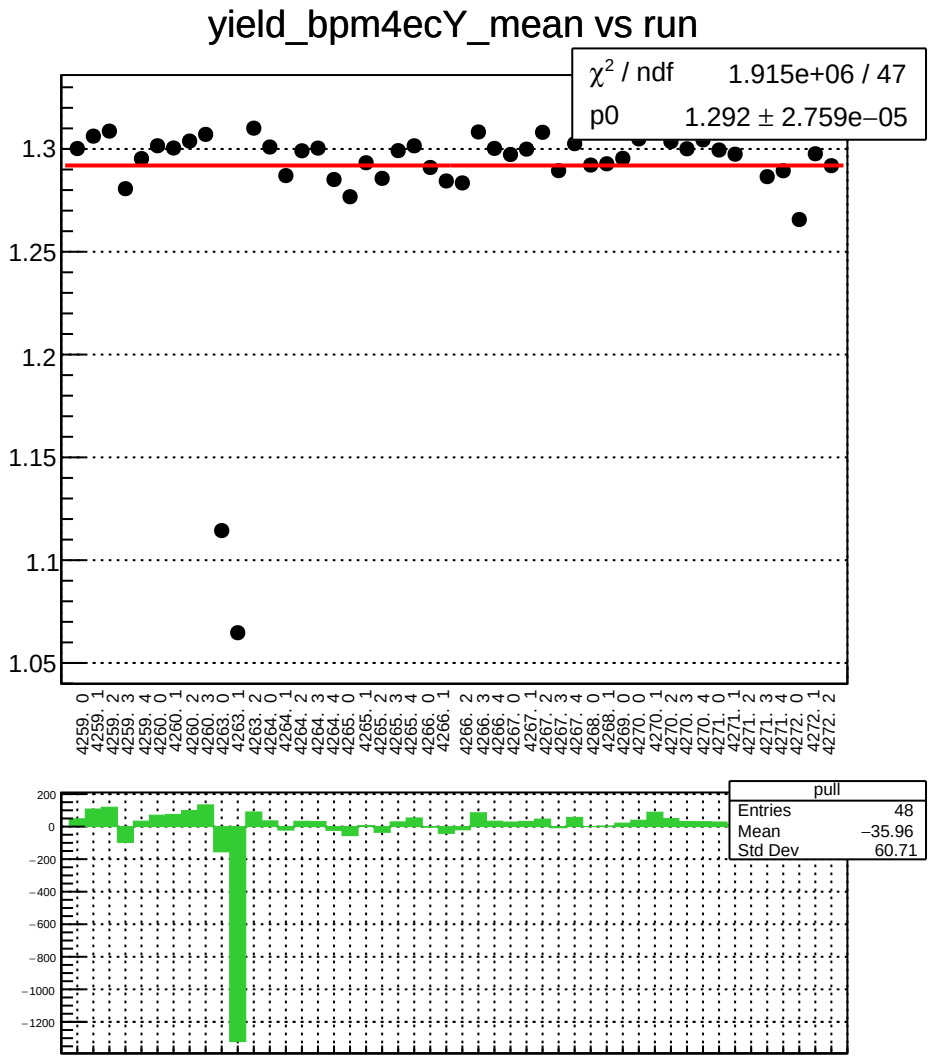

yield_bpm4acY_mean vs run
χ² / ndf 3.78e+06 / 47
p0 2.087 ± 4.331e−05
2.1
2
1.9
1.8
1.7
1.6
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull
Entries 48
Mean −77.78
Std Dev 103.8
pull1D
Entries 48
Mean 0.4716
Std Dev 4.361
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

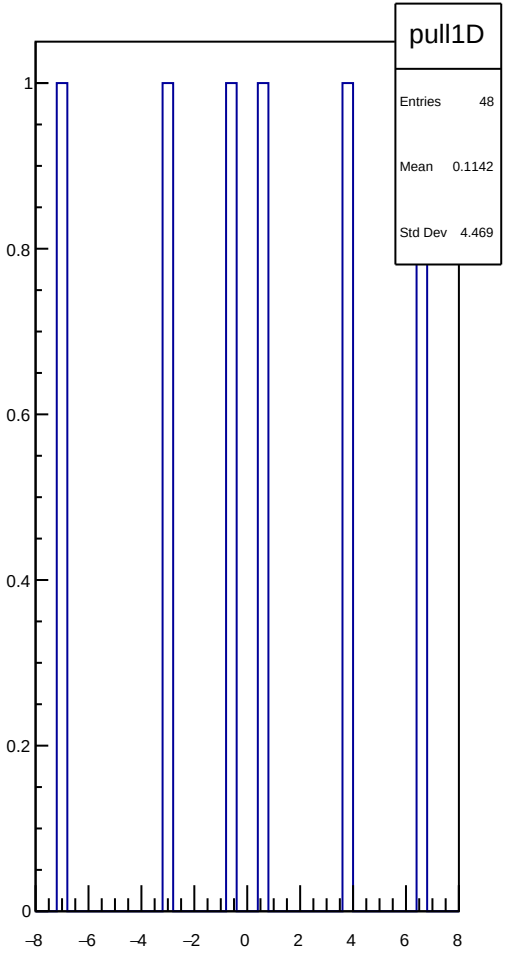

yield_bpm4acY_rms vs run
χ² / ndf 1.685e+05 / 47
p0 0.02743 ± 3.063e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

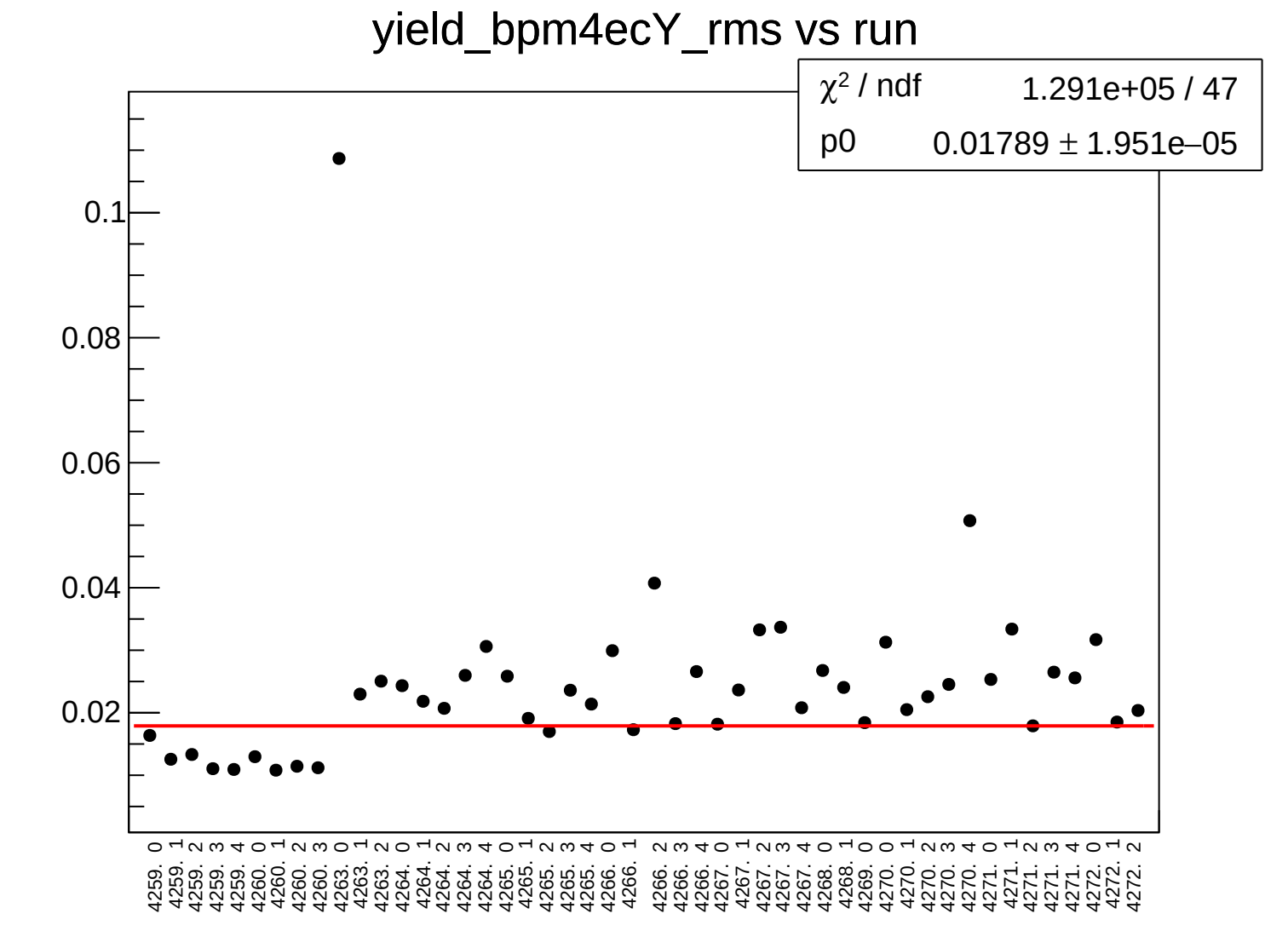

yield_bpm4ecX_mean vs run
χ² / ndf 1.465e+05 / 47
p0 0.3061 ± 5.457e−05
pull
Entries 48
Mean 110.4
Std Dev 86.43

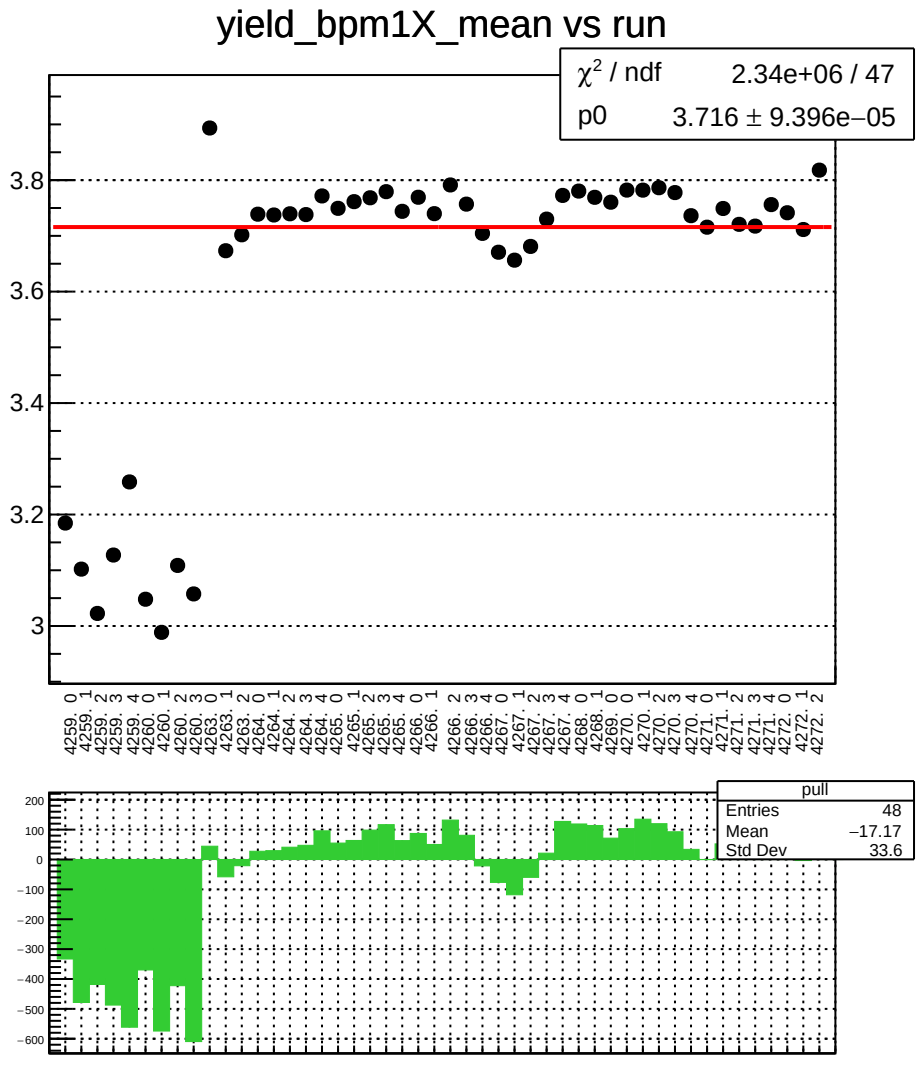

pull1D
Entries 48
Mean −0.6599
Std Dev 4.004

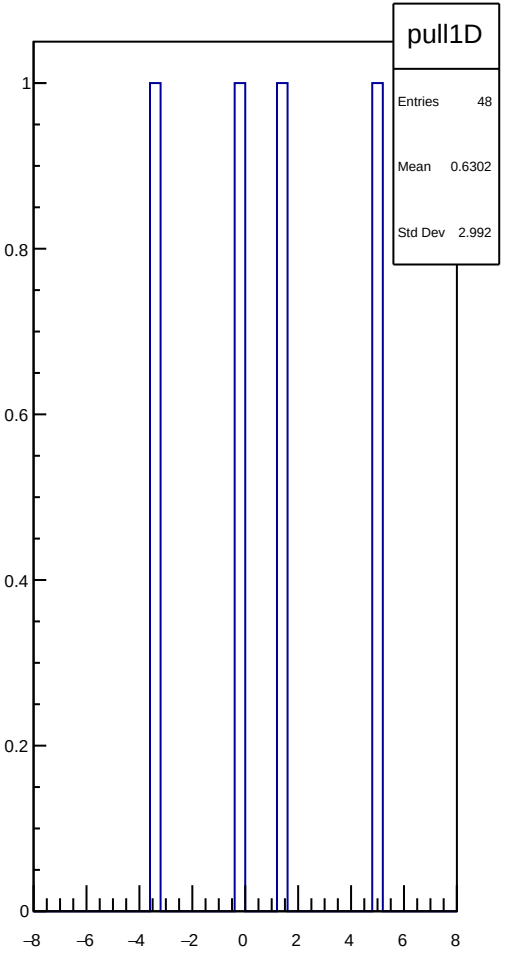

yield_bpm4ecX_rms vs run
χ² / ndf 1.113e+05 / 47
p0 0.03576 ± 3.858e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

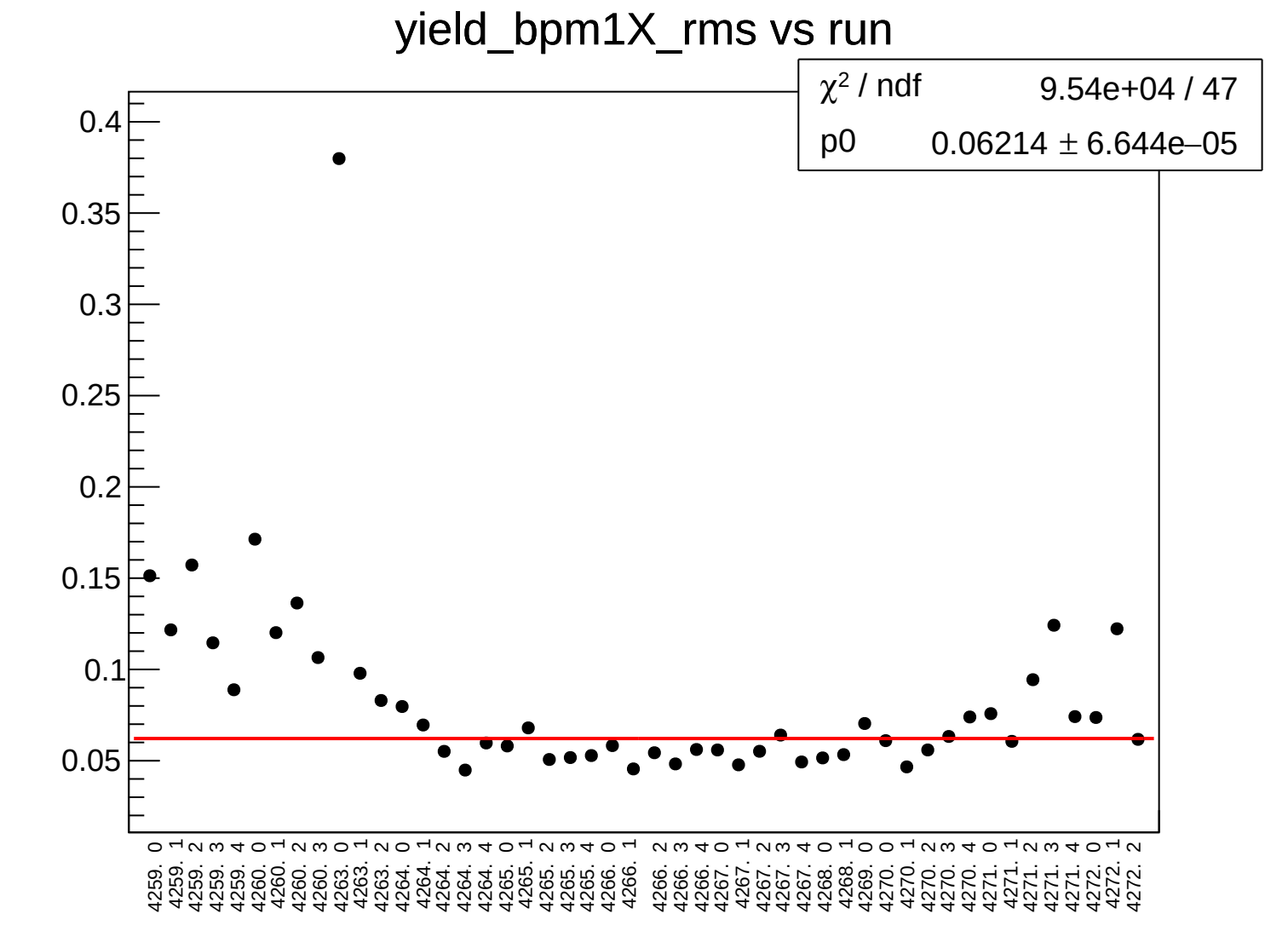

yield_bpm4ecY_mean vs run
χ² / ndf 1.915e+06 / 47
p0 1.292 ± 2.759e−05
1.3
1.25
1.2
1.15
1.1
1.05
pull
Entries 48
Mean −35.96
Std Dev 60.71
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 48
Mean 0.1142
Std Dev 4.469
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4ecY_rms vs run
χ² / ndf 1.291e+05 / 47
p0 0.01789 ± 1.951e–05
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2


yield_bpm1X_mean vs run
χ² / ndf 2.34e+06 / 47
p0 3.716 ± 9.396e−05
3.8
3.6
3.4
3.2
3
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −17.17
Std Dev 33.6
200
100
0
−100
−200
−300
−400
−500
−600


pull1D
Entries 48
Mean 0.6302
Std Dev 2.992
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1X_rms vs run
χ² / ndf 9.54e+04 / 47
p0 0.06214 ± 6.644e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
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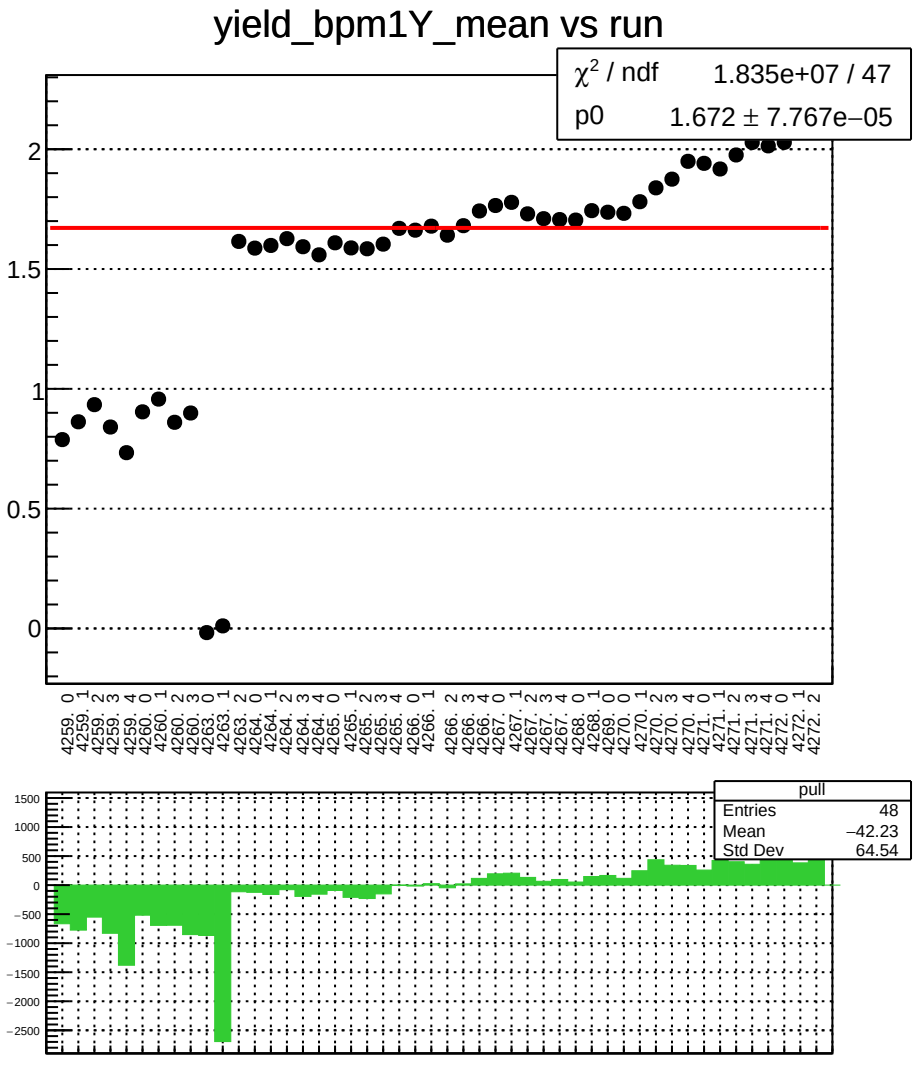
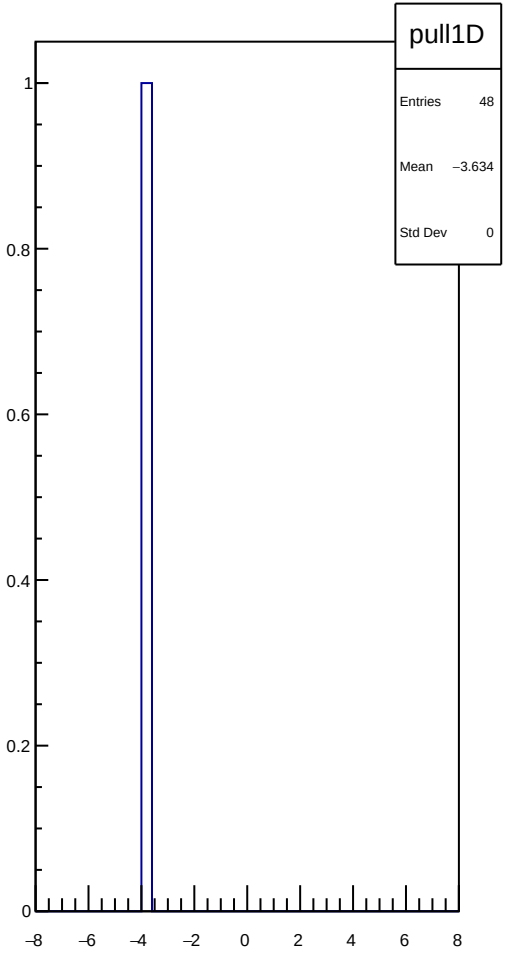
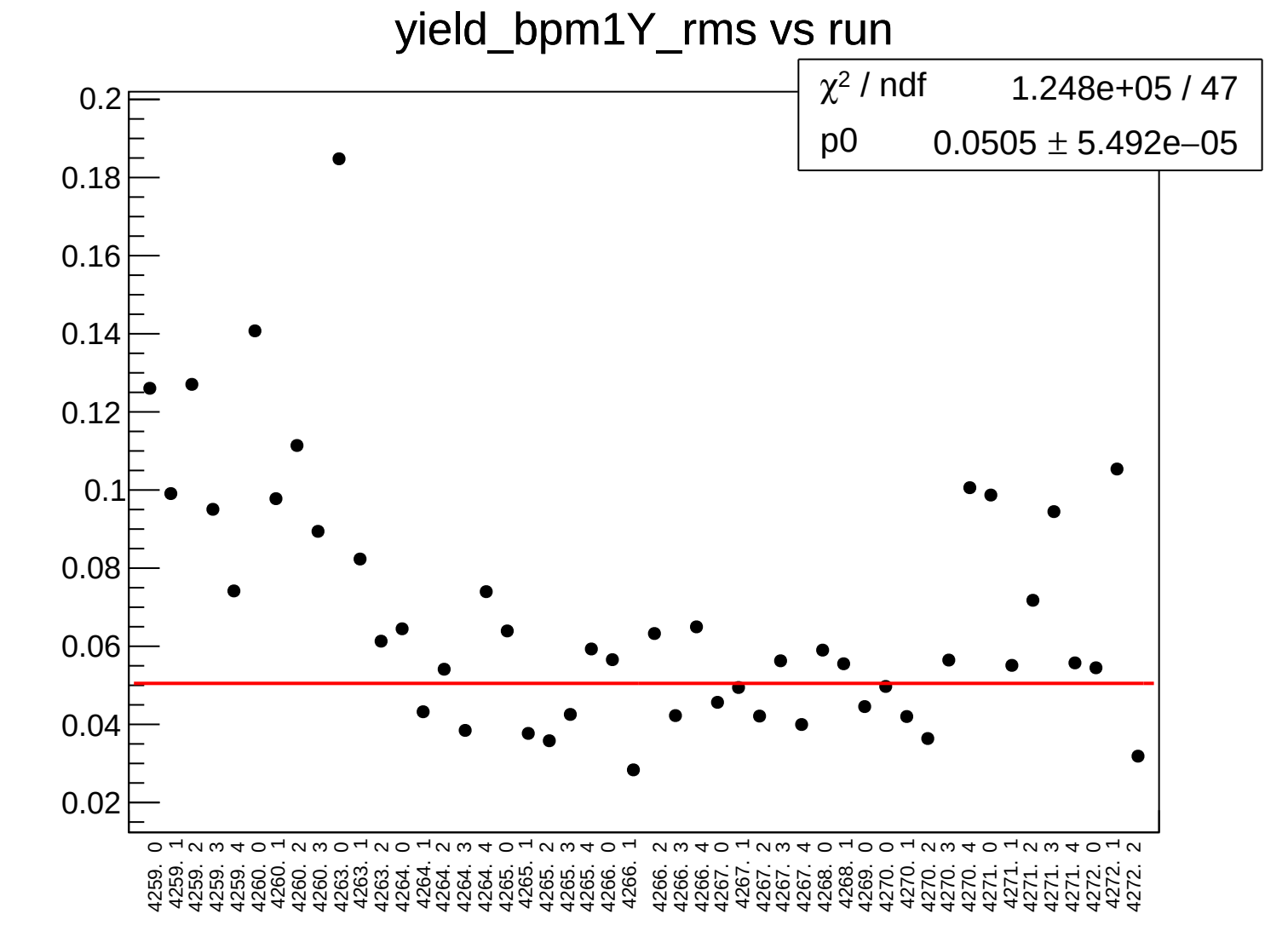
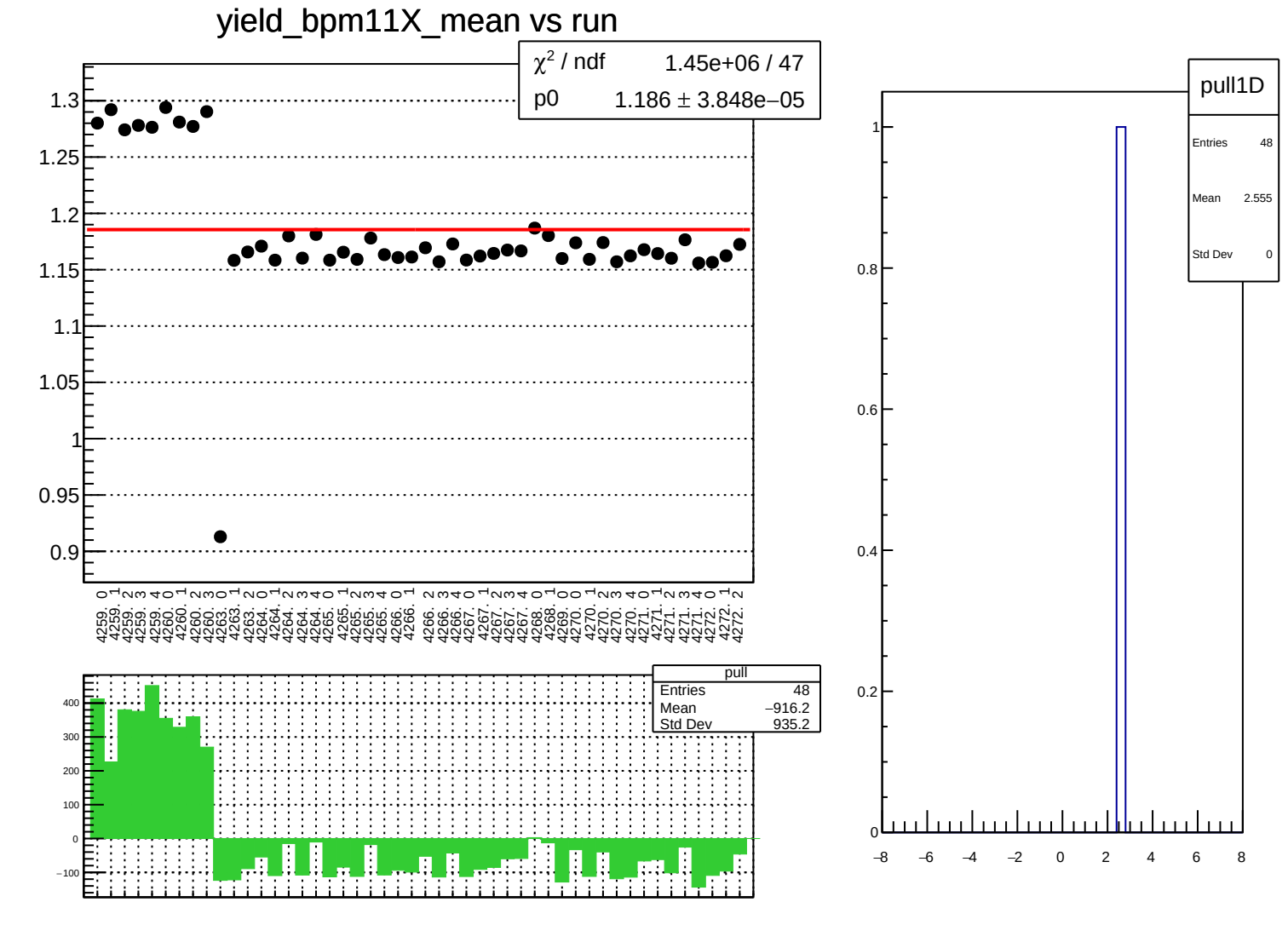
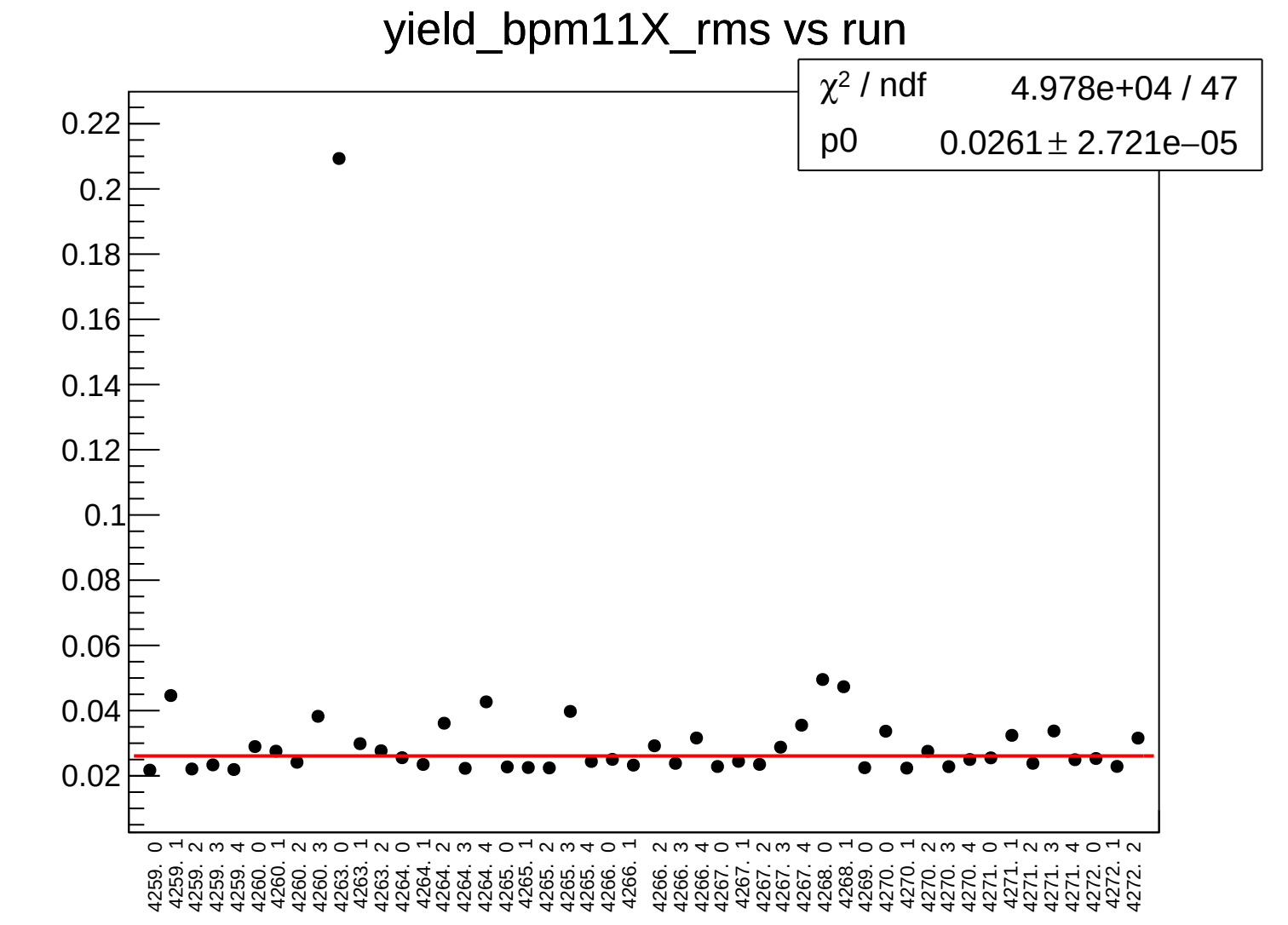
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

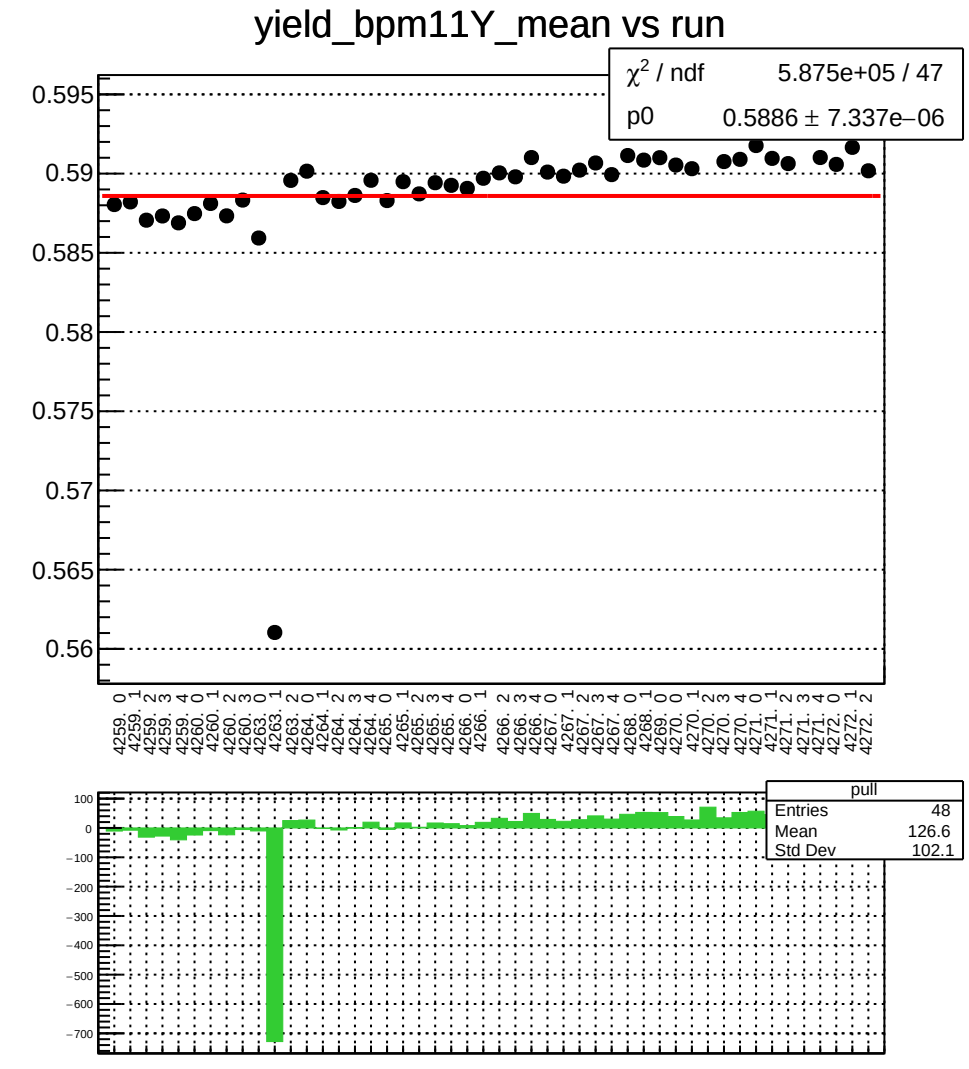

yield_bpm1Y_mean vs run
χ² / ndf 1.835e+07 / 47
p0 1.672 ± 7.767e−05
pull
Entries 48
Mean −42.23
Std Dev 64.54

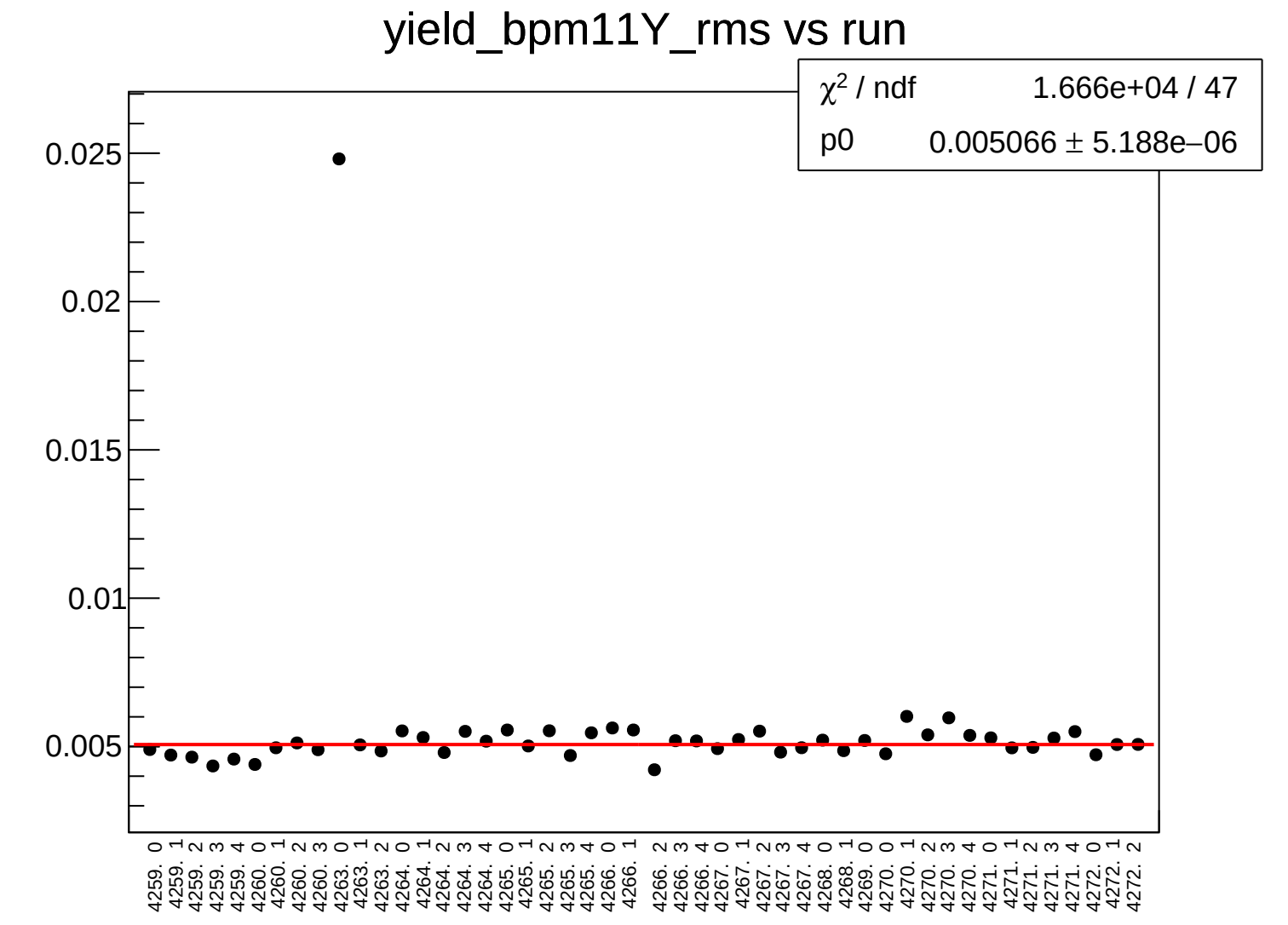

pull1D
Entries 48
Mean −3.634
Std Dev 0

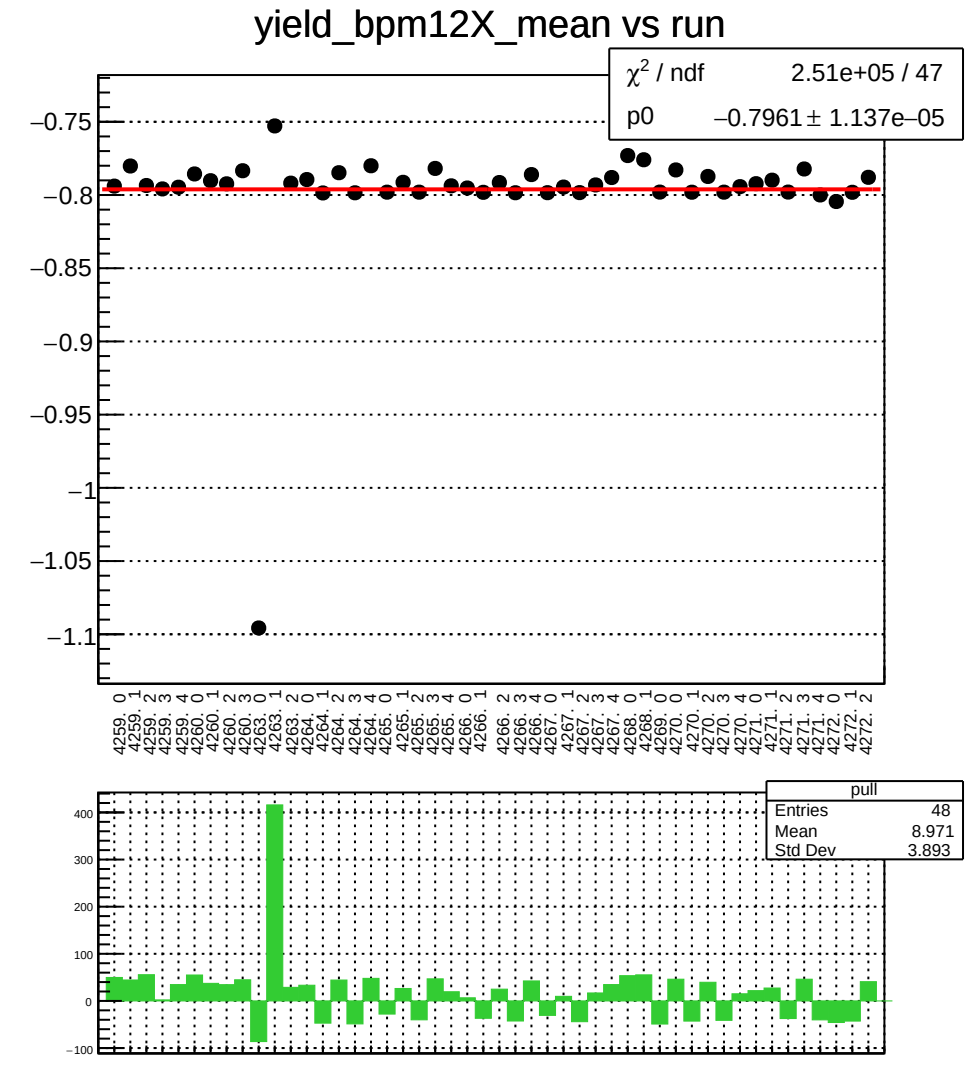

yield_bpm1Y_rms vs run
χ² / ndf 1.248e+05 / 47
p0 0.0505 ± 5.492e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

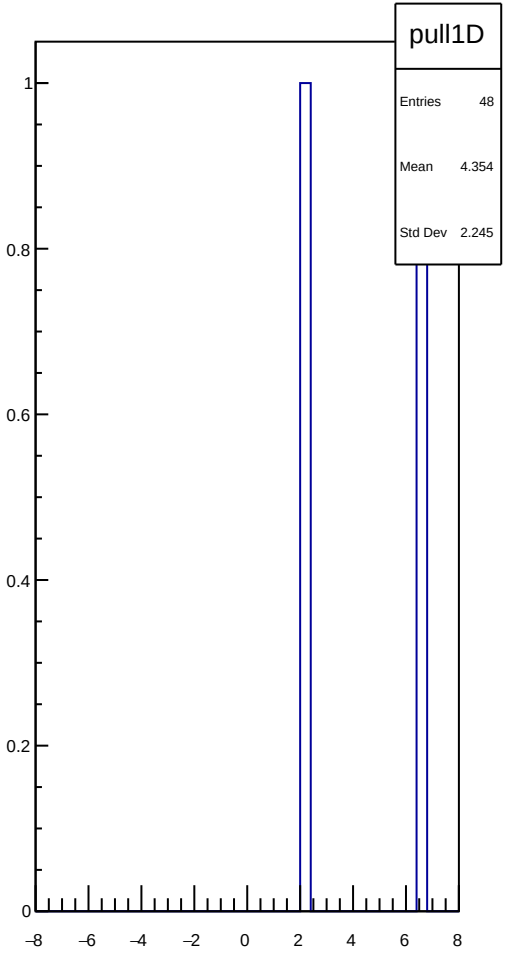

yield_bpm11X_mean vs run
χ² / ndf 1.45e+06 / 47
p0 1.186 ± 3.848e−05
pull
Entries 48
Mean −916.2
Std Dev 935.2
pull1D
Entries 48
Mean 2.555
Std Dev 0

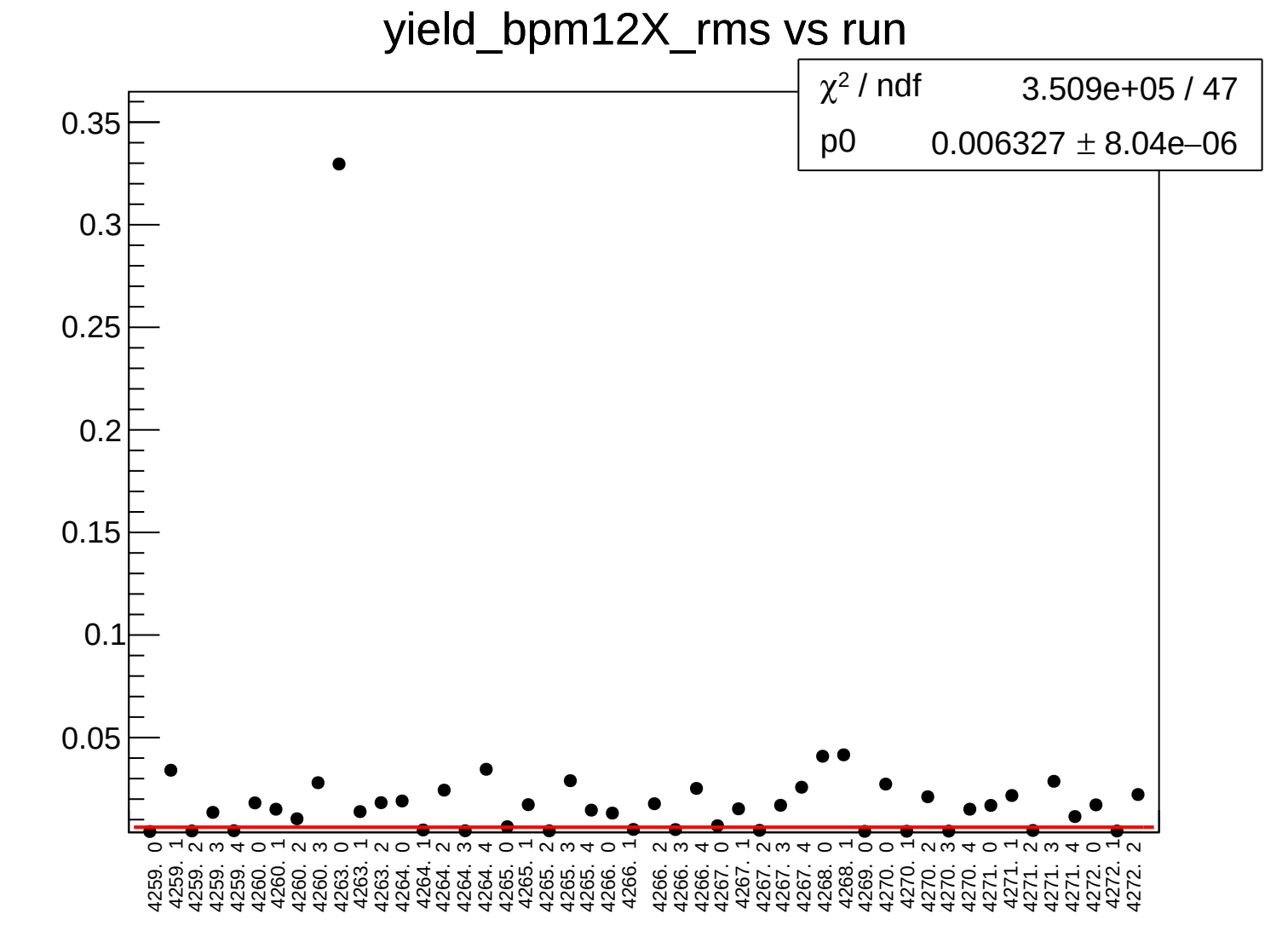

yield_bpm11X_rms vs run
χ² / ndf 4.978e+04 / 47
p0 0.0261 ± 2.721e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

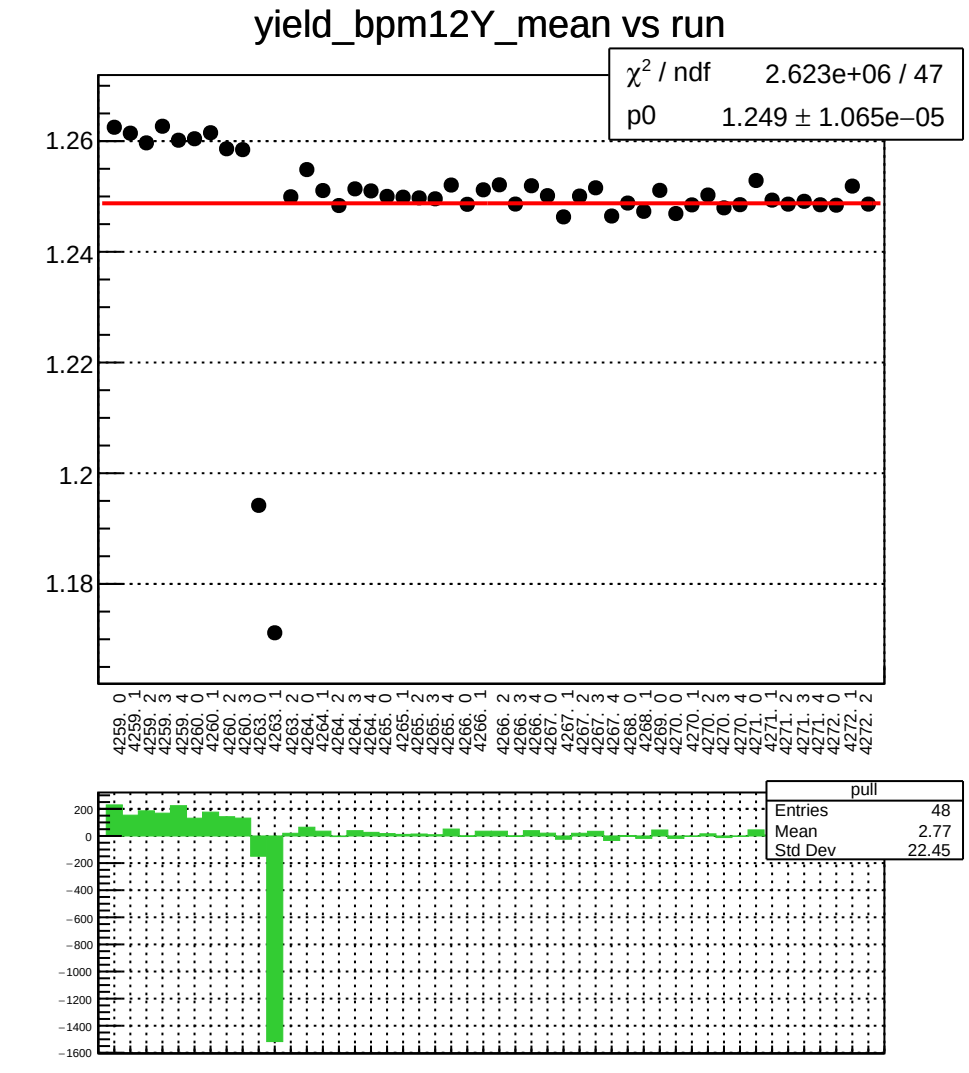

yield_bpm11Y_mean vs run
χ² / ndf 5.875e+05 / 47
p0 0.5886 ± 7.337e−06
0.595
0.59
0.585
0.58
0.575
0.57
0.565
0.56
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 126.6
Std Dev 102.1
100
0
−100
−200
−300
−400
−500
−600
−700
pull1D
Entries 48
Mean −3.379
Std Dev 3.489
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

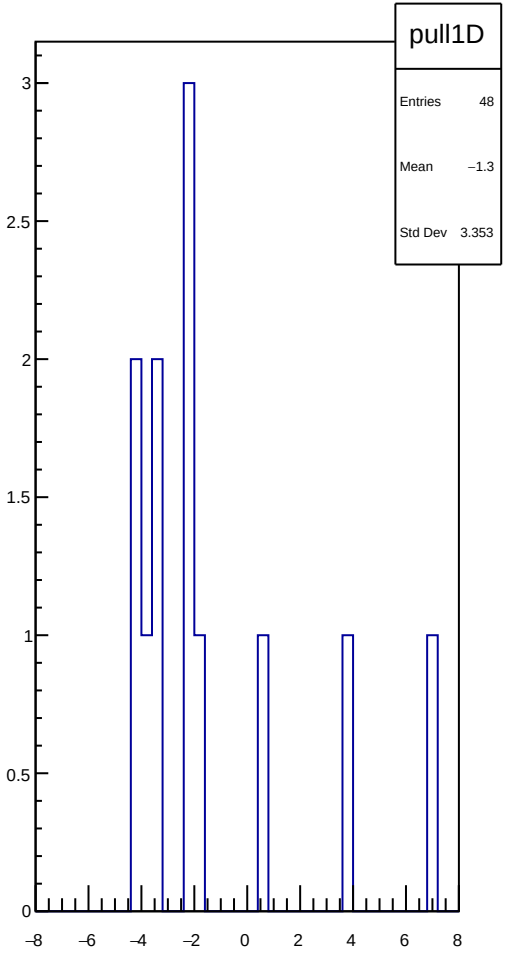

yield_bpm11Y_rms vs run
χ² / ndf 1.666e+04 / 47
p0 0.005066 ± 5.188e−06
0.025
0.02
0.015
0.01
0.005
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

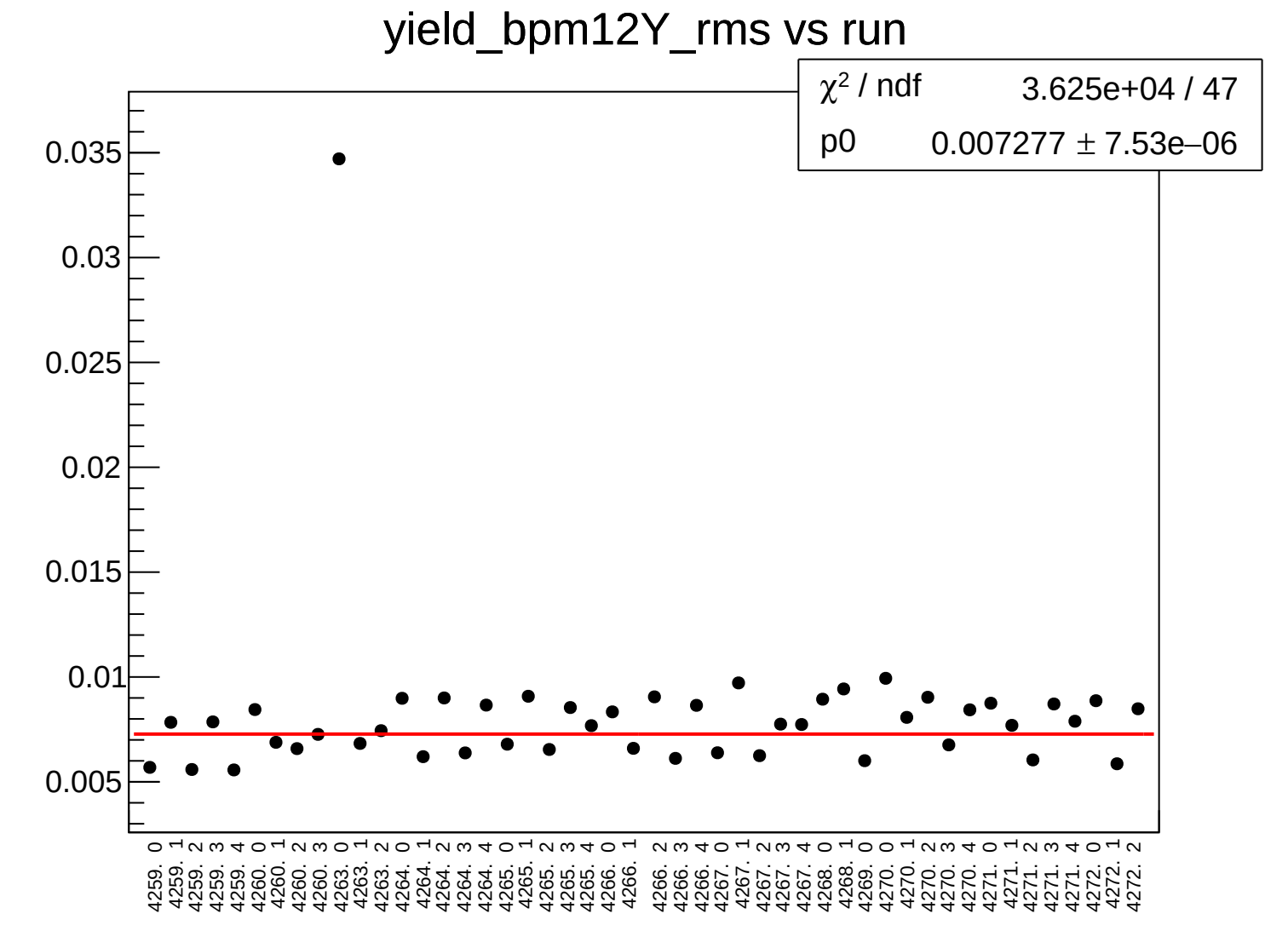

yield_bpm12X_mean vs run
χ² / ndf 2.51e+05 / 47
p0 −0.7961 ± 1.137e−05
−0.75
−0.8
−0.85
−0.9
−0.95
−1
−1.05
−1.1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 8.971
Std Dev 3.893
400
300
200
100
0
−100

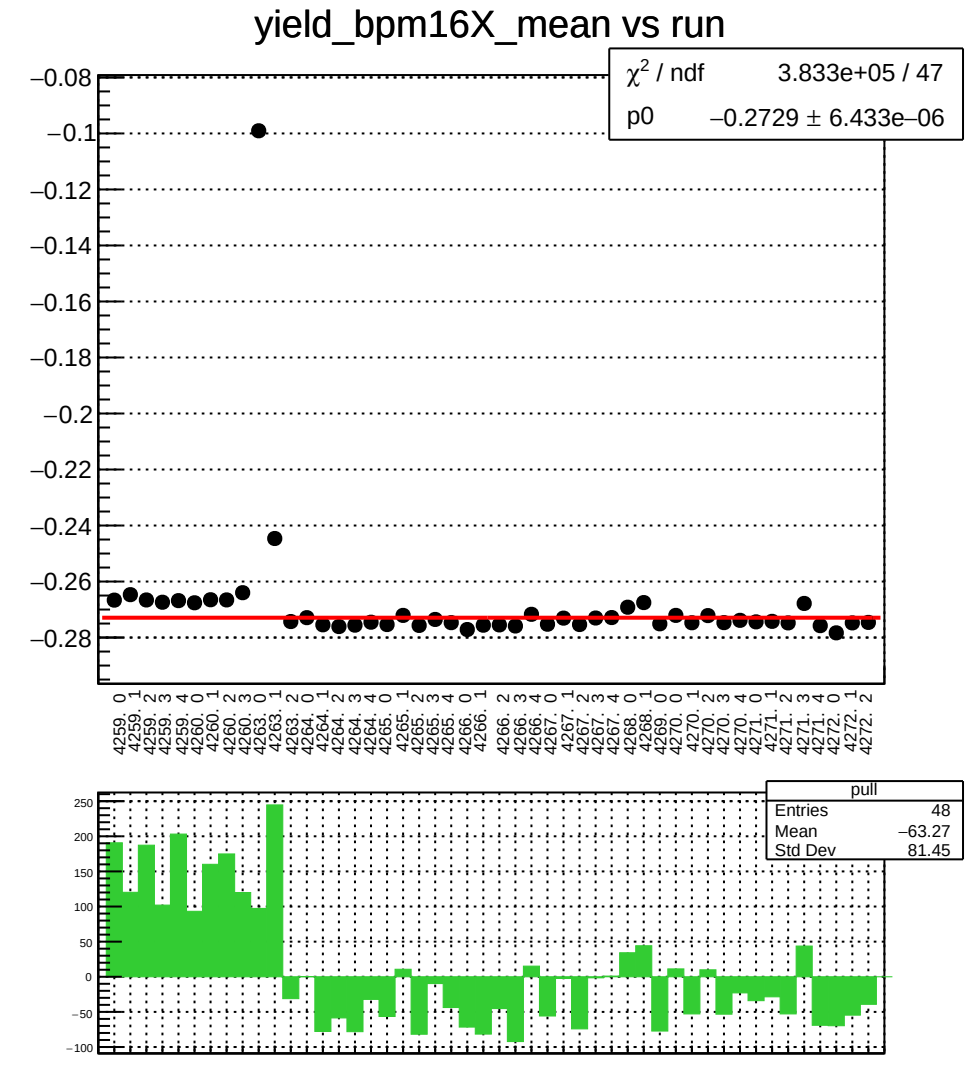

pull1D
Entries 48
Mean 4.354
Std Dev 2.245
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

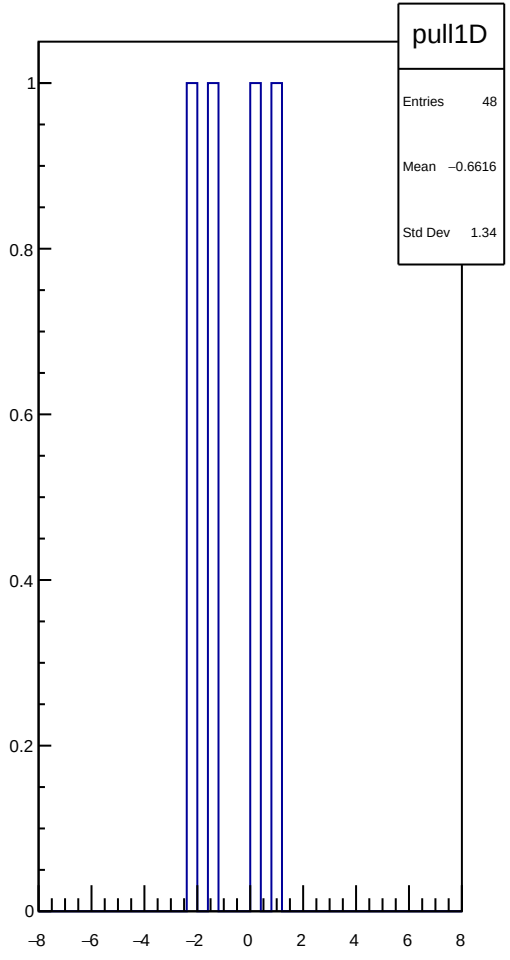

yield_bpm12X_rms vs run
χ² / ndf 3.509e+05 / 47
p0 0.006327 ± 8.04e–06
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

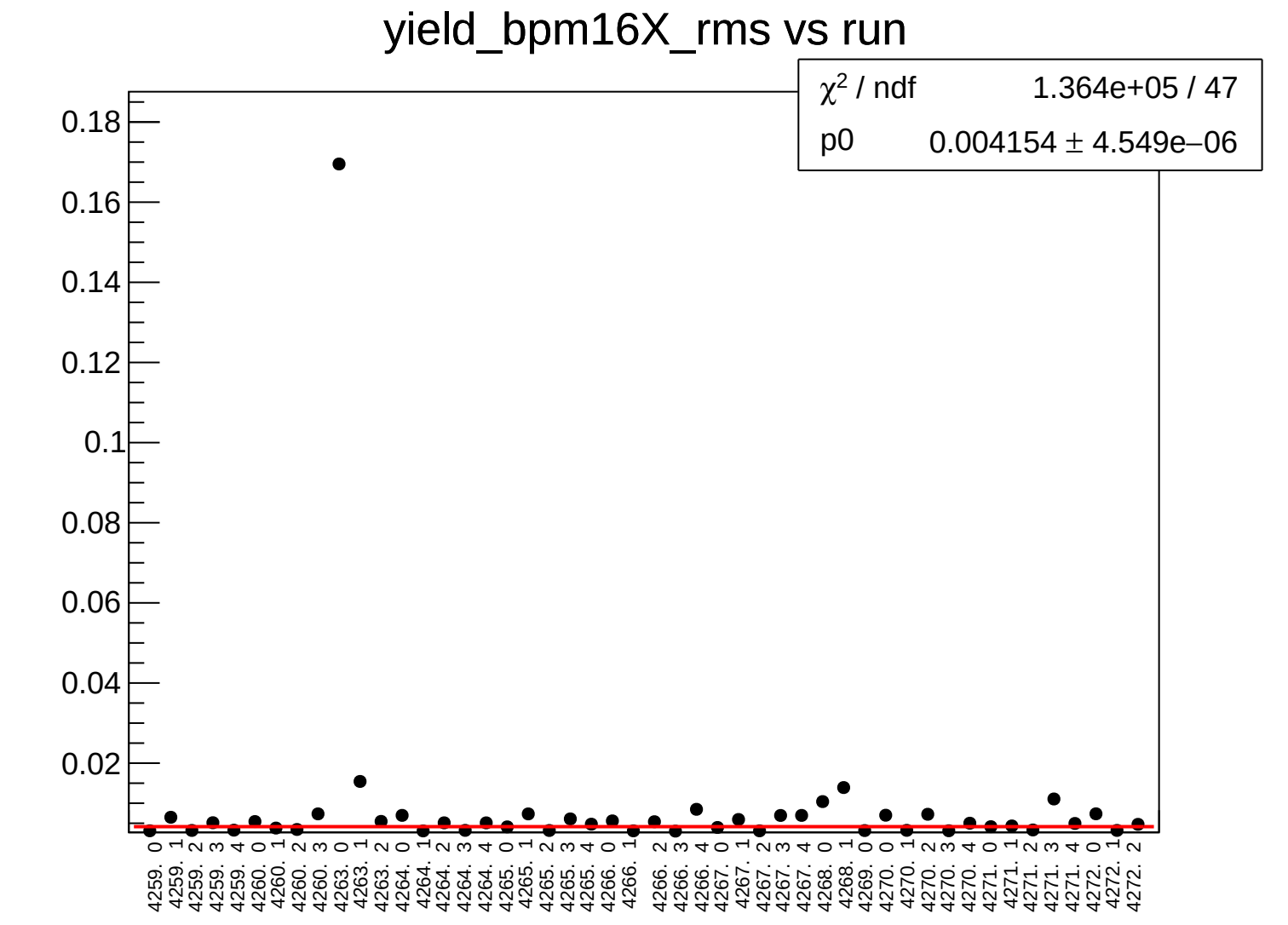

yield_bpm12Y_mean vs run
χ² / ndf 2.623e+06 / 47
p0 1.249 ± 1.065e−05
1.26
1.24
1.22
1.2
1.18
pull
Entries 48
Mean 2.77
Std Dev 22.45
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600

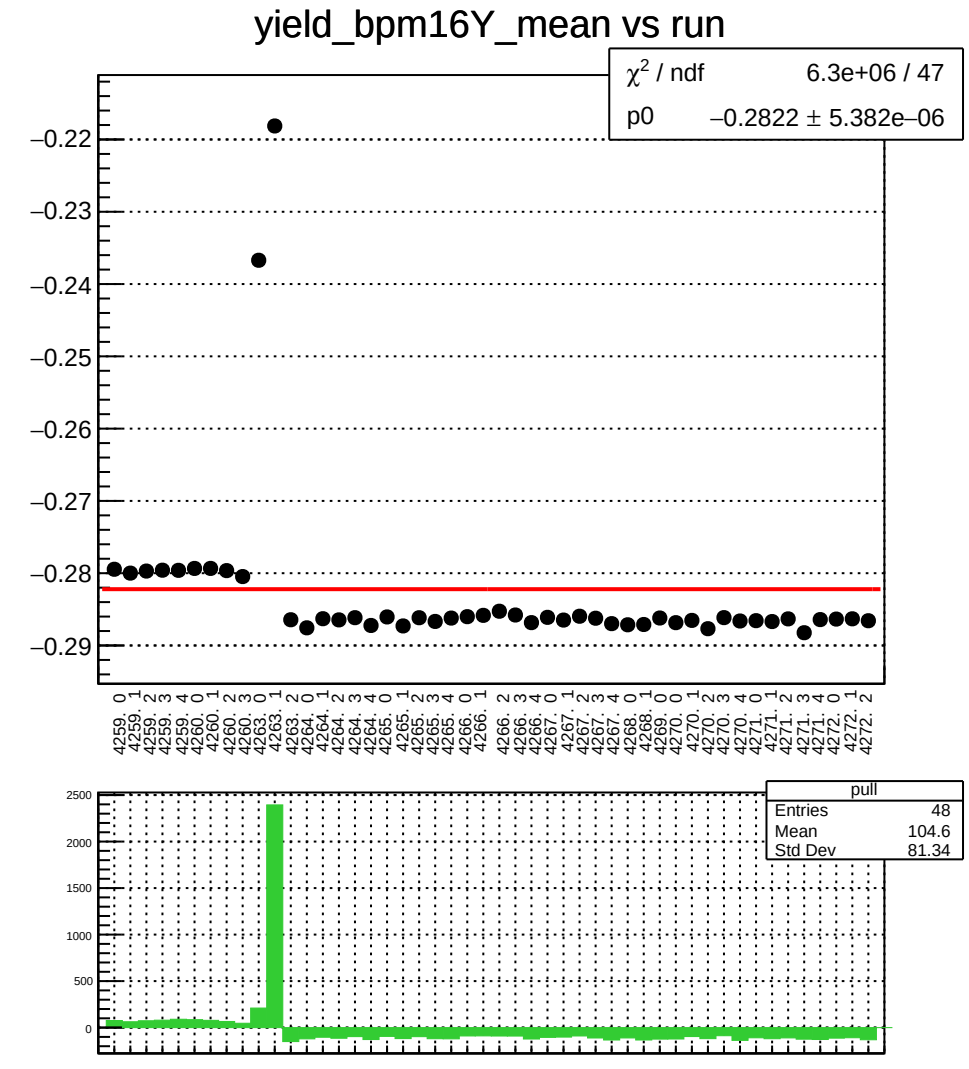

pull1D
Entries 48
Mean −1.3
Std Dev 3.353
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

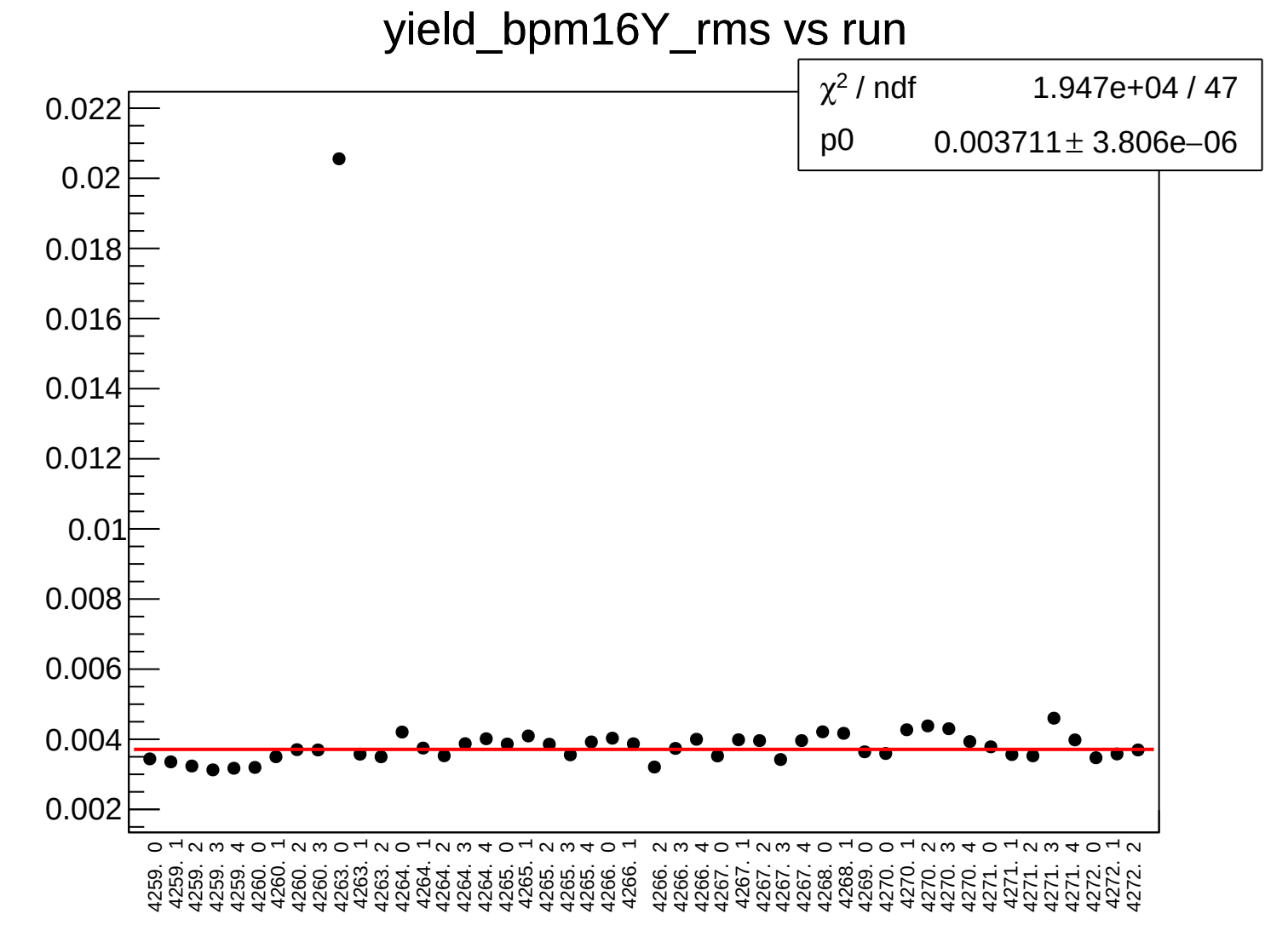

yield_bpm12Y_rms vs run
χ² / ndf 3.625e+04 / 47
p0 0.007277 ± 7.53e–06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

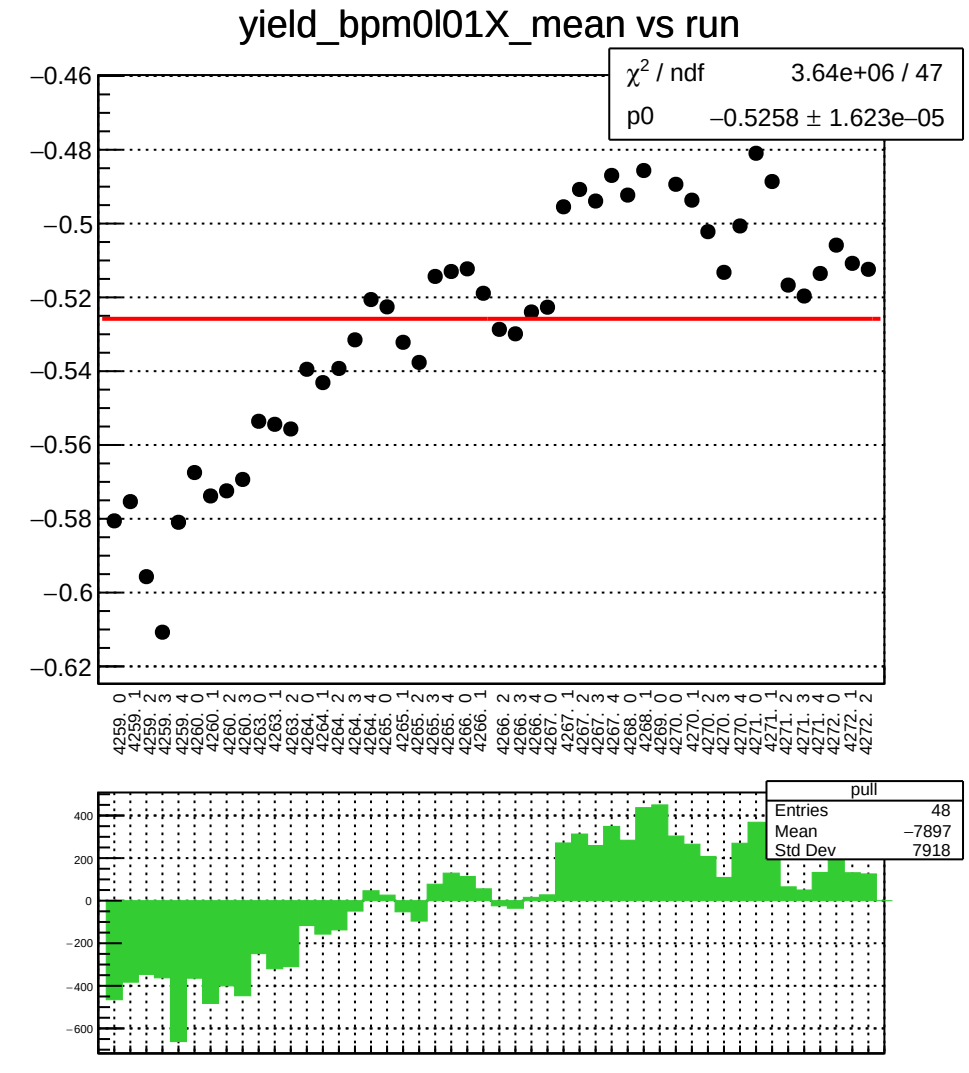

yield_bpm16X_mean vs run
χ² / ndf 3.833e+05 / 47
p0 −0.2729 ± 6.433e−06
pull
Entries 48
Mean −63.27
Std Dev 81.45

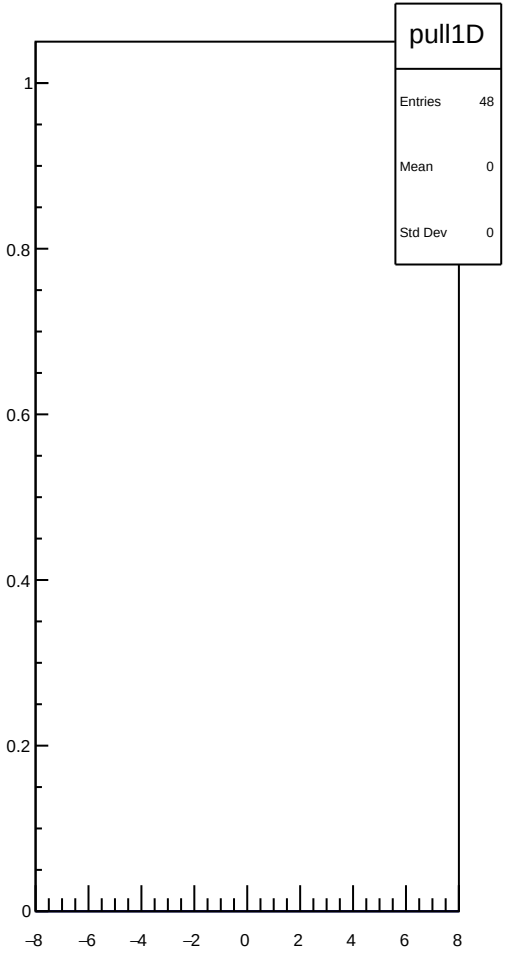

pull1D
Entries 48
Mean −0.6616
Std Dev 1.34

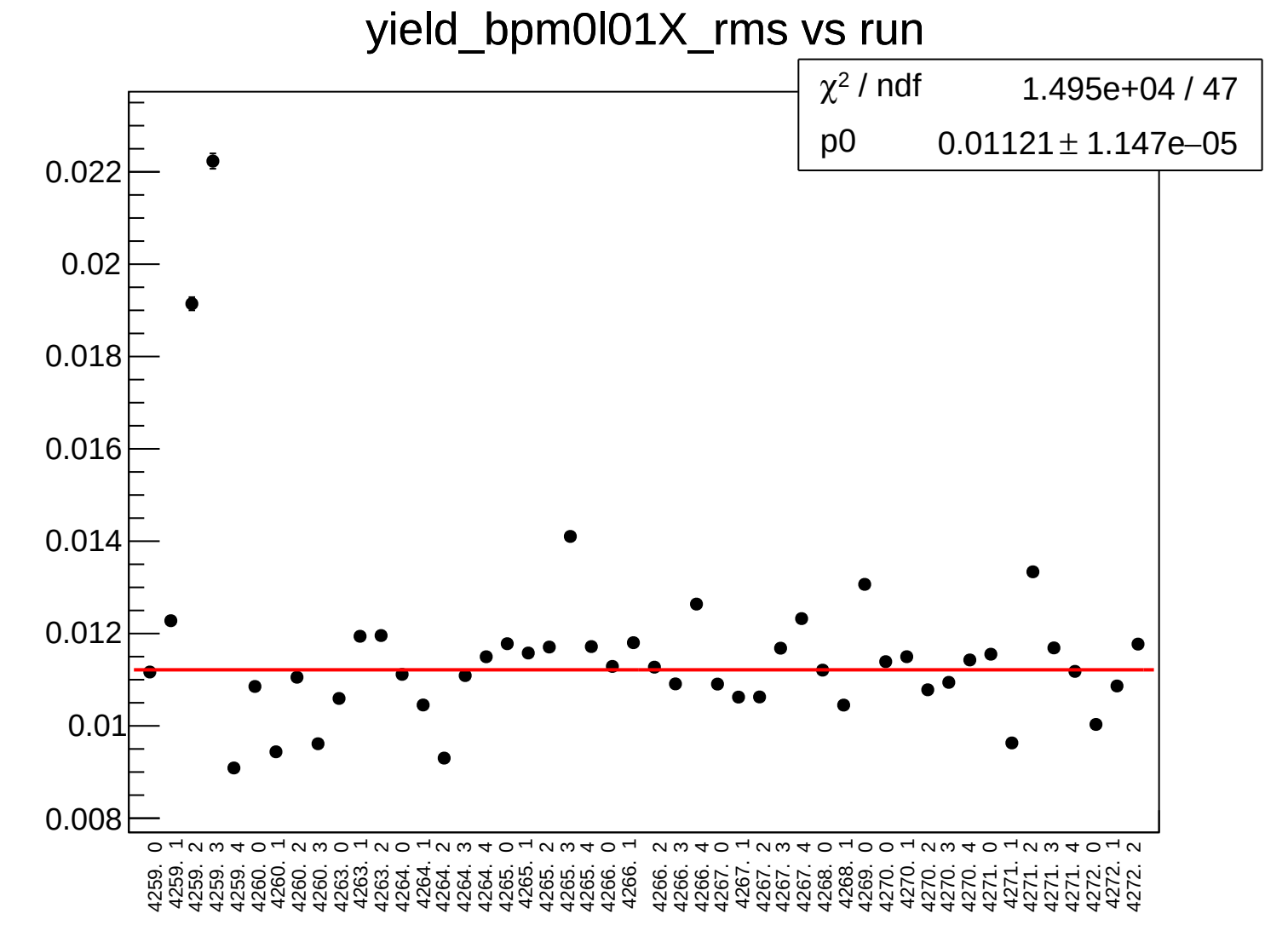

yield_bpm16X_rms vs run
χ² / ndf 1.364e+05 / 47
p0 0.004154 ± 4.549e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

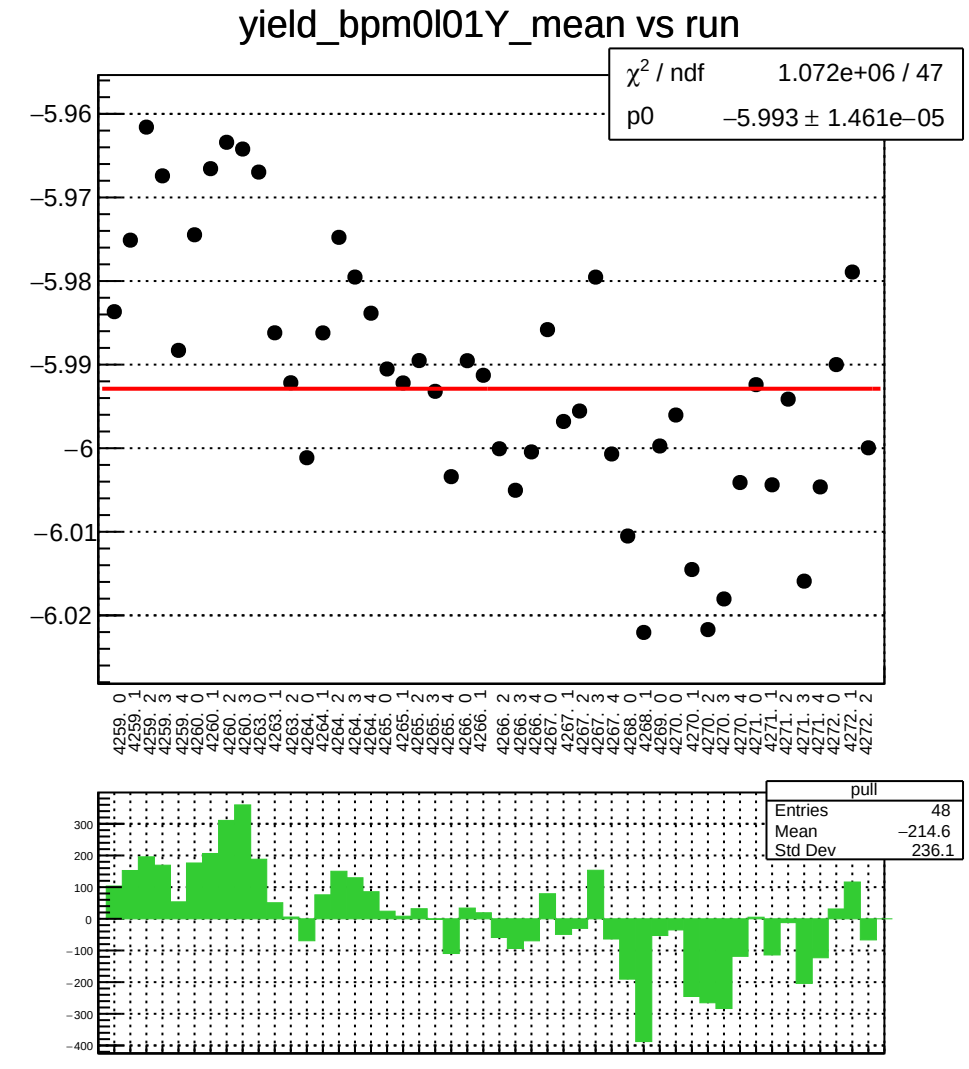

yield_bpm16Y_mean vs run
χ² / ndf 6.3e+06 / 47
p0 −0.2822 ± 5.382e−06
−0.22
−0.23
−0.24
−0.25
−0.26
−0.27
−0.28
−0.29
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 104.6
Std Dev 81.34
2500
2000
1500
1000
500
0
pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

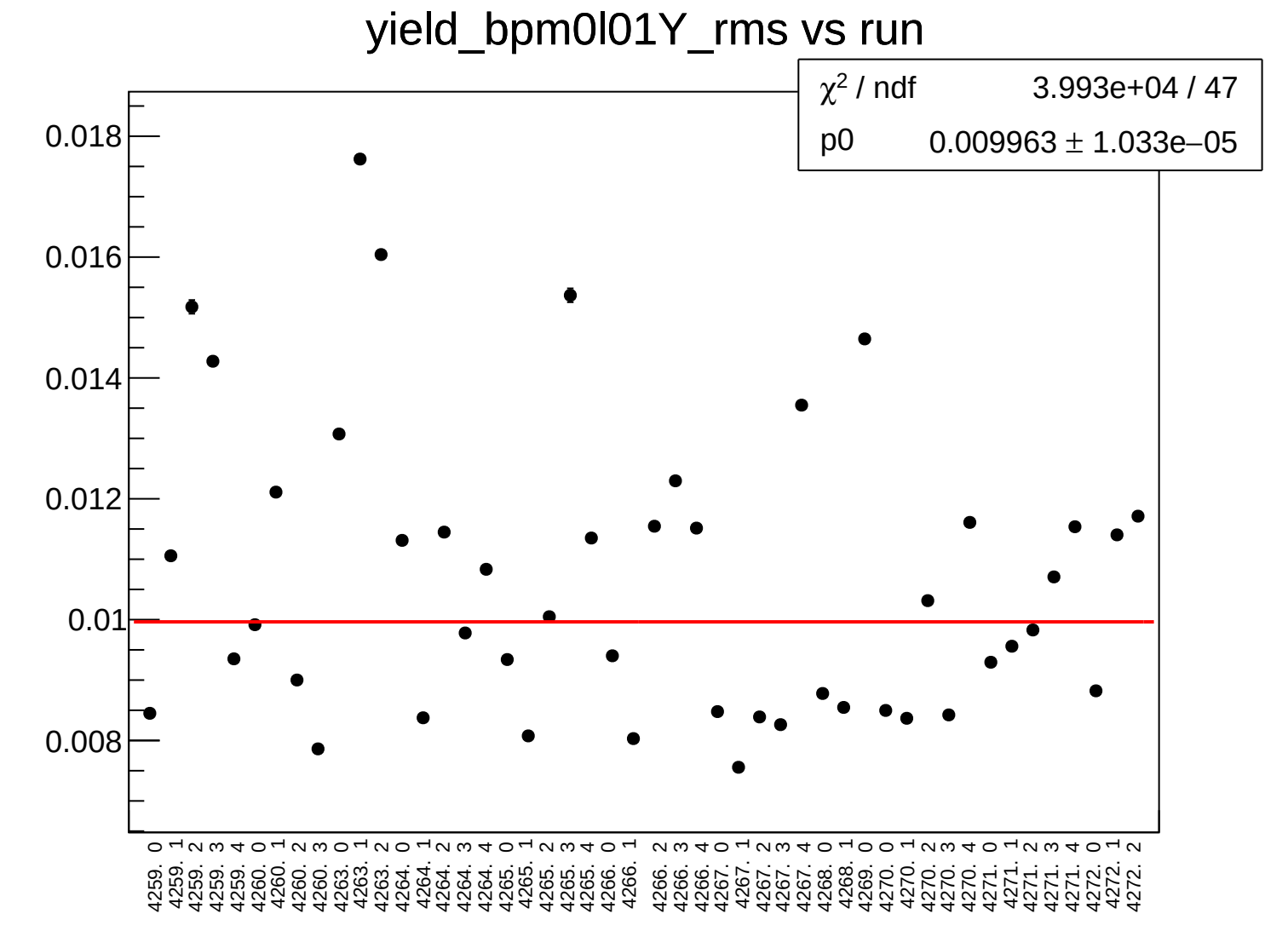

yield_bpm16Y_rms vs run
χ² / ndf 1.947e+04 / 47
p0 0.003711 ± 3.806e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

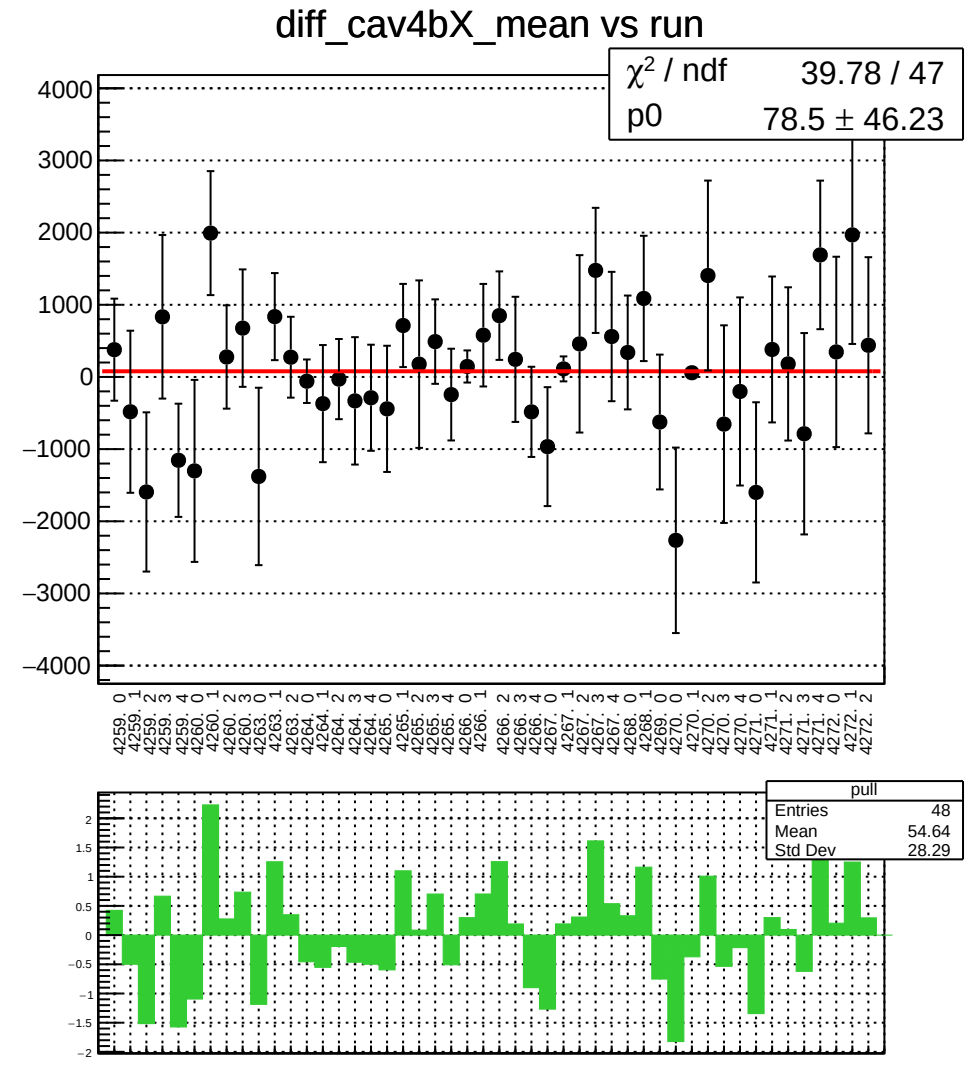

yield_bpm0l01X_mean vs run
χ² / ndf 3.64e+06 / 47
p0 −0.5258 ± 1.623e−05
−0.46
−0.48
−0.5
−0.52
−0.54
−0.56
−0.58
−0.6
−0.62
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −7897
Std Dev 7918
400
200
0
−200
−400
−600

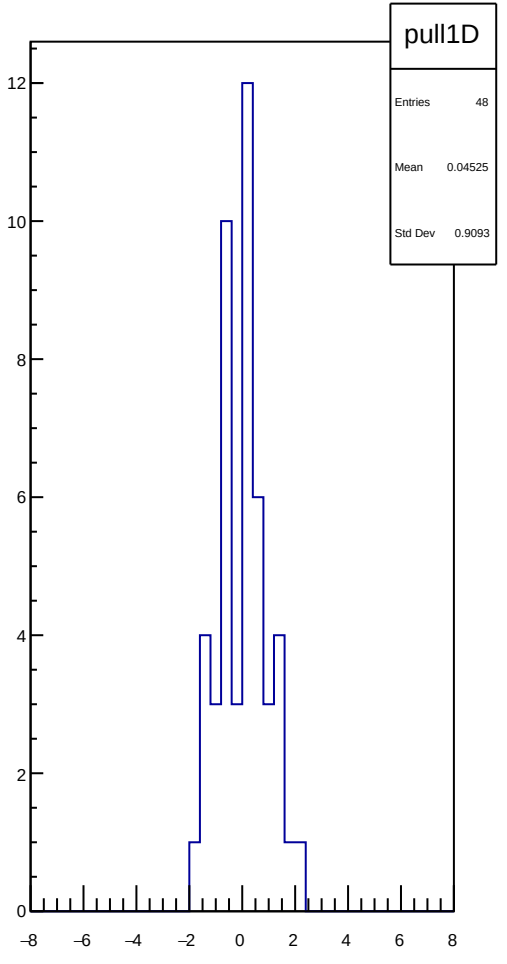

pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

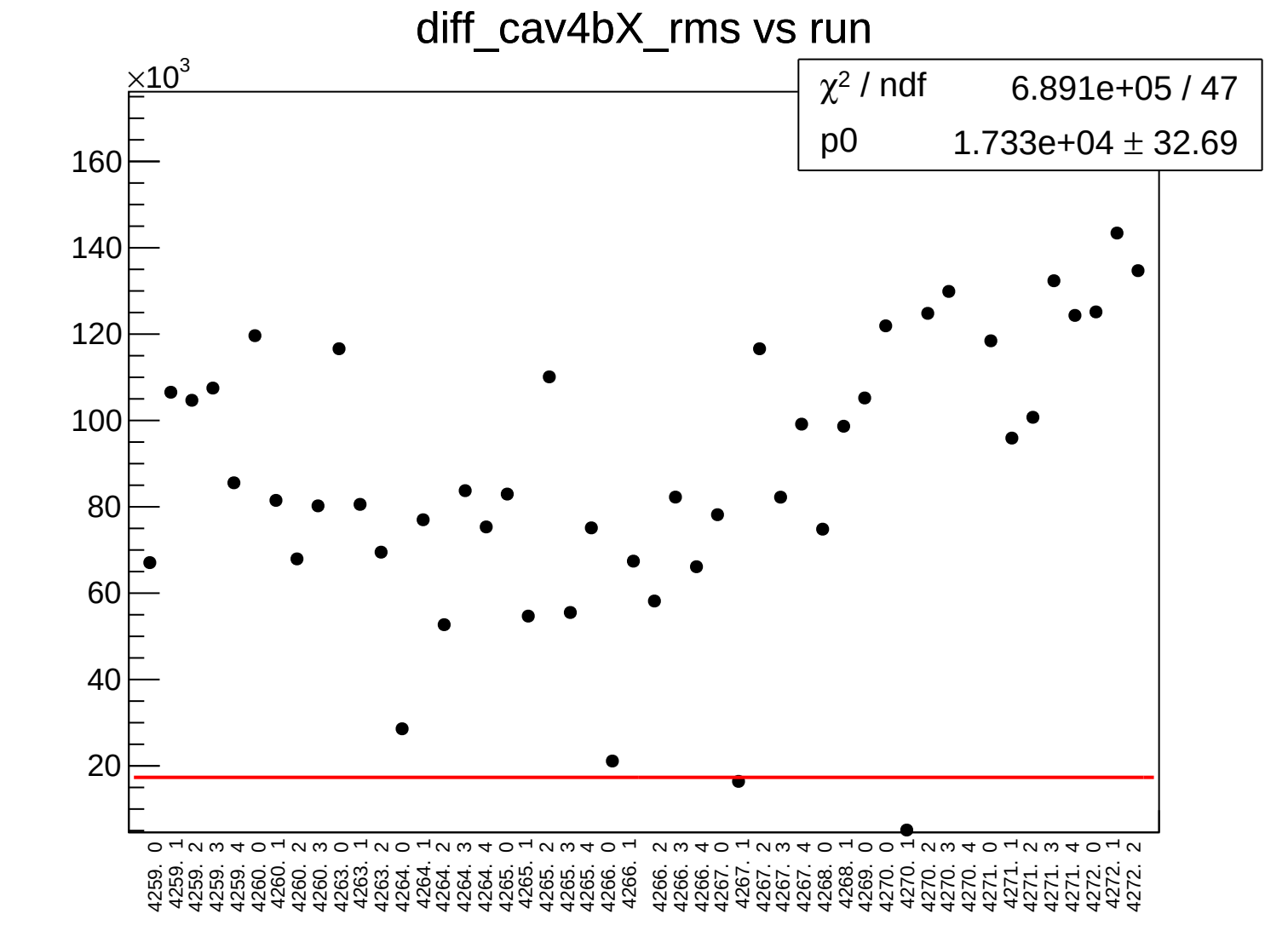

yield_bpm0l01X_rms vs run
χ² / ndf 1.495e+04 / 47
p0 0.01121 ± 1.147e–05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

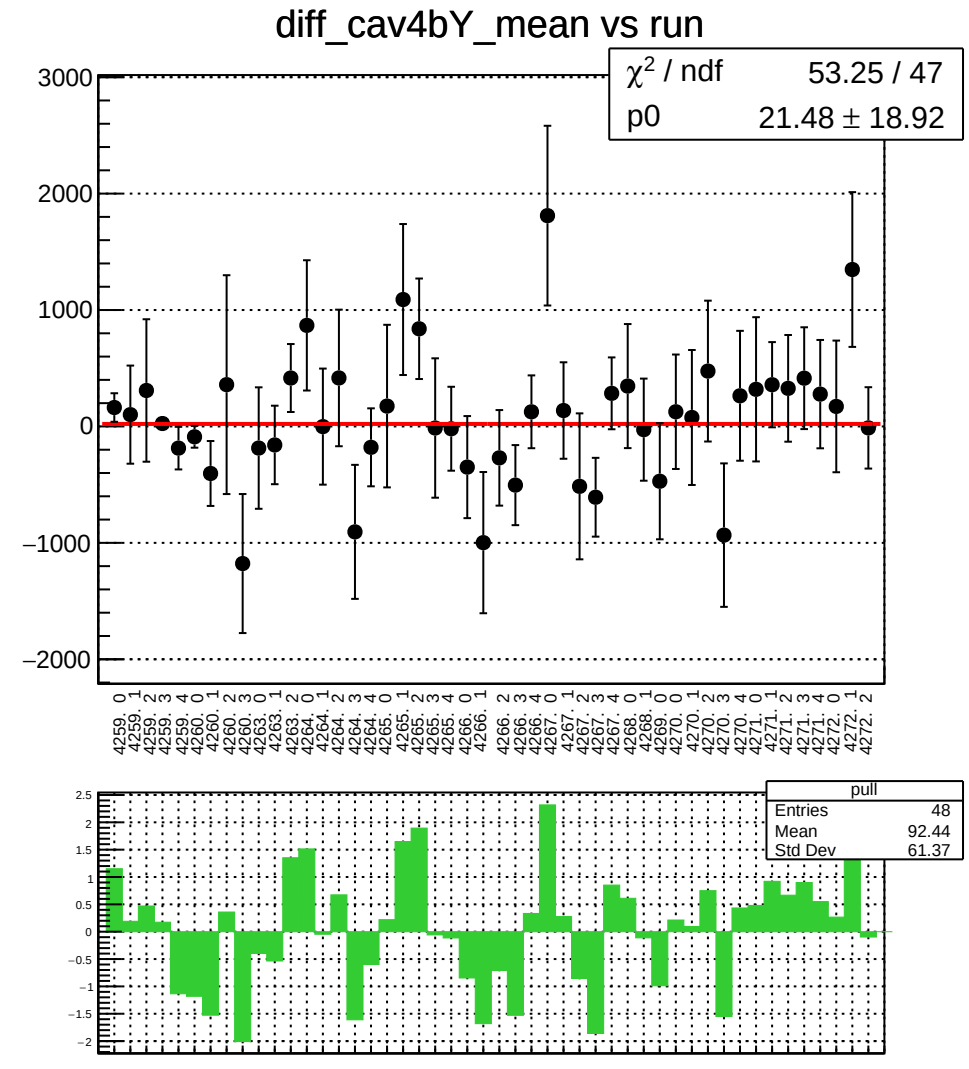

yield_bpm0l01Y_mean vs run
χ² / ndf 1.072e+06 / 47
p0 −5.993 ± 1.461e−05
−5.96
−5.97
−5.98
−5.99
−6
−6.01
−6.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −214.6
Std Dev 236.1
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 48
Mean 2.866
Std Dev 3.39
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

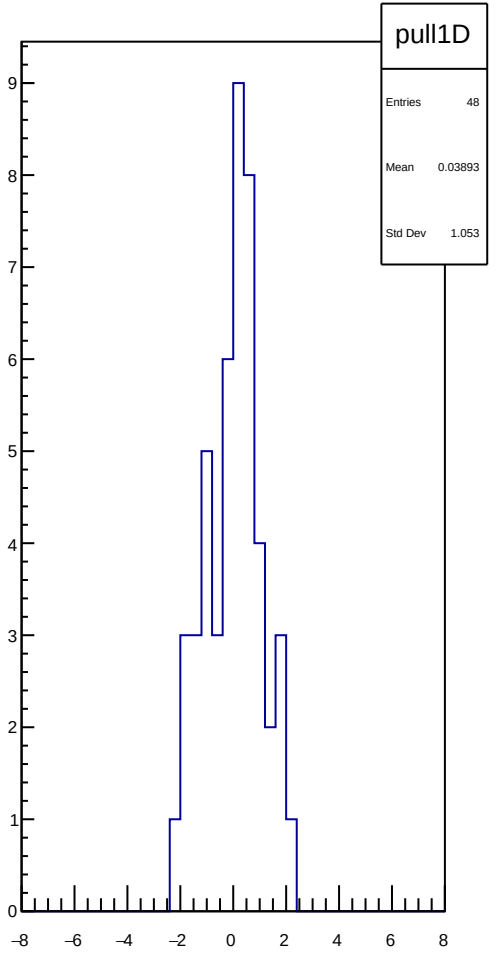

yield_bpm0l01Y_rms vs run
χ² / ndf 3.993e+04 / 47
p0 0.009963 ± 1.033e−05
0.018
0.016
0.014
0.012
0.01
0.008
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

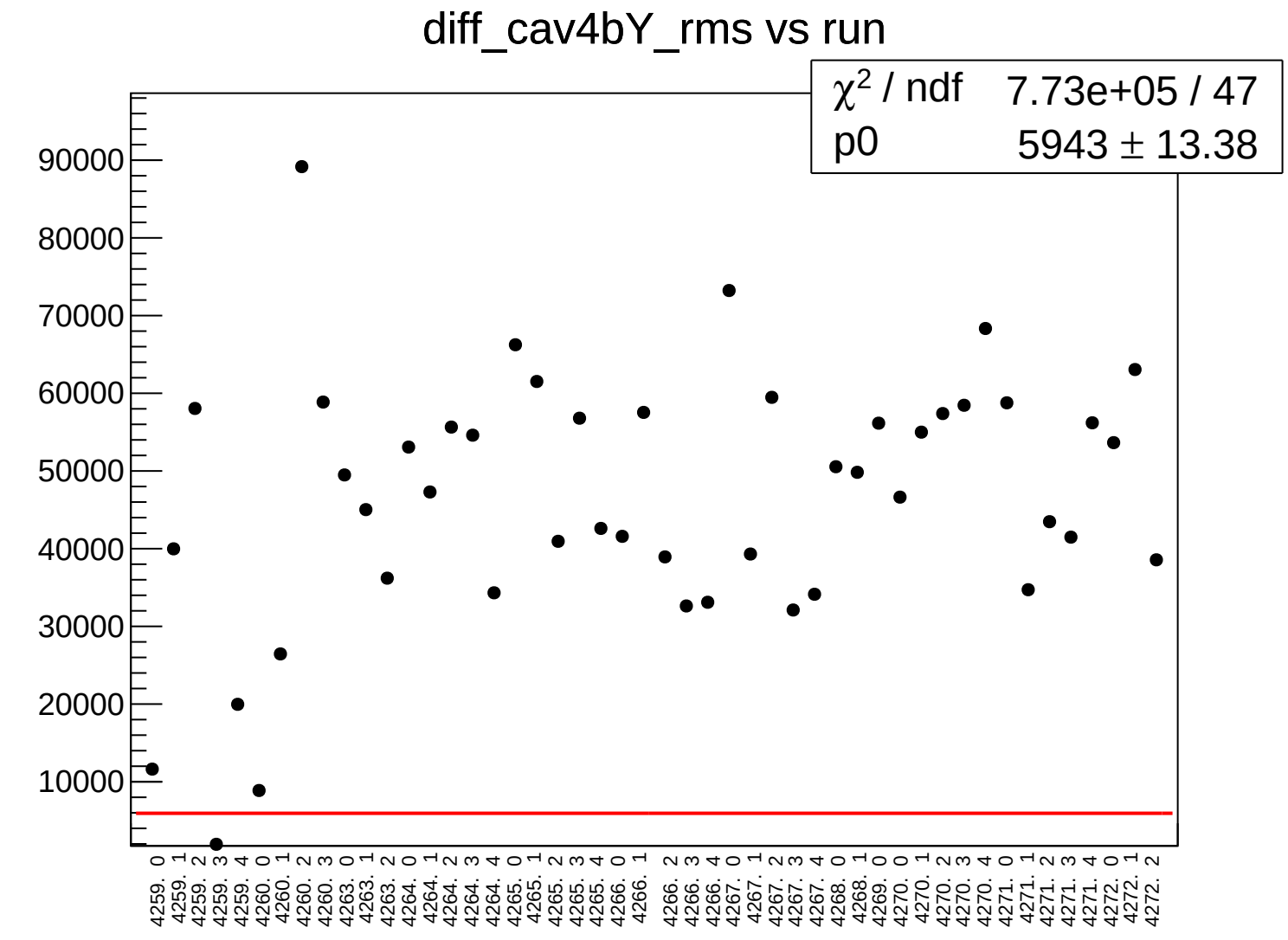

diff_cav4bX_mean vs run
χ² / ndf 39.78 / 47
p0 78.5 ± 46.23
pull
Entries 48
Mean 54.64
Std Dev 28.29

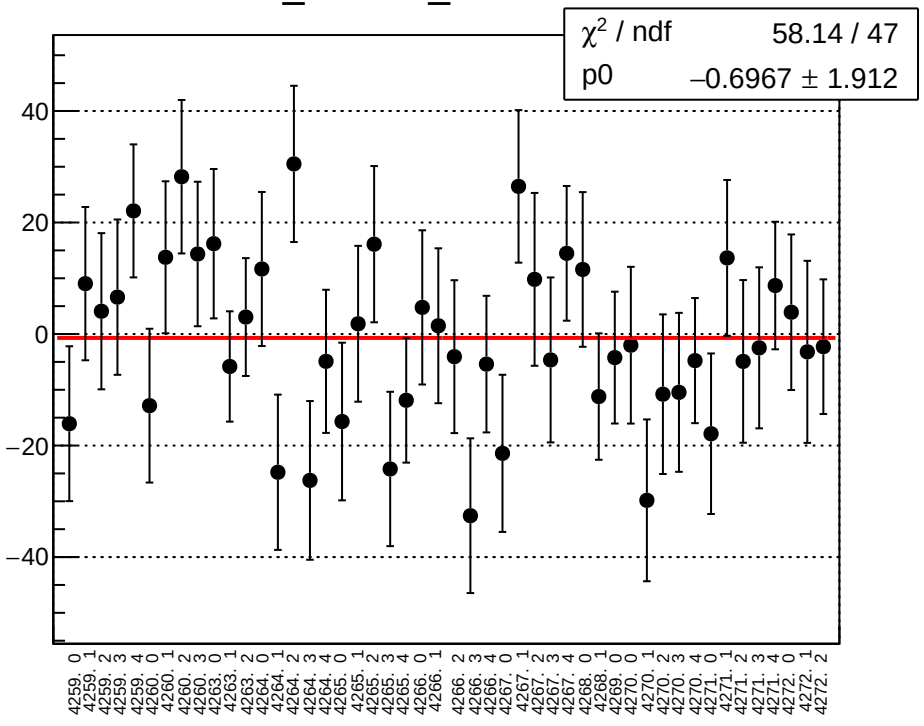

pull1D
Entries 48
Mean 0.04525
Std Dev 0.9093

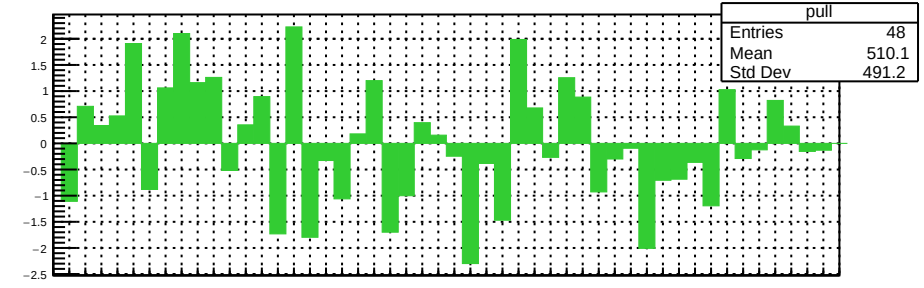

diff_cav4bX_rms vs run
×10^3
χ² / ndf 6.891e+05 / 47
p0 1.733e+04 ± 32.69
160
140
120
100
80
60
40
20
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

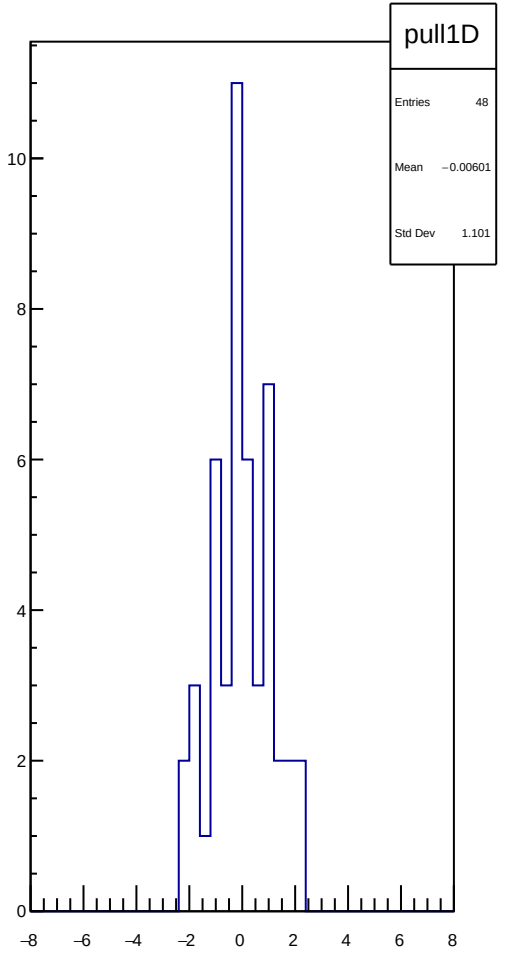

diff_cav4bY_mean vs run
χ^2 / ndf 53.25 / 47
p0 21.48 ± 18.92
3000
2000
1000
0
−1000
−2000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 92.44
Std Dev 61.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

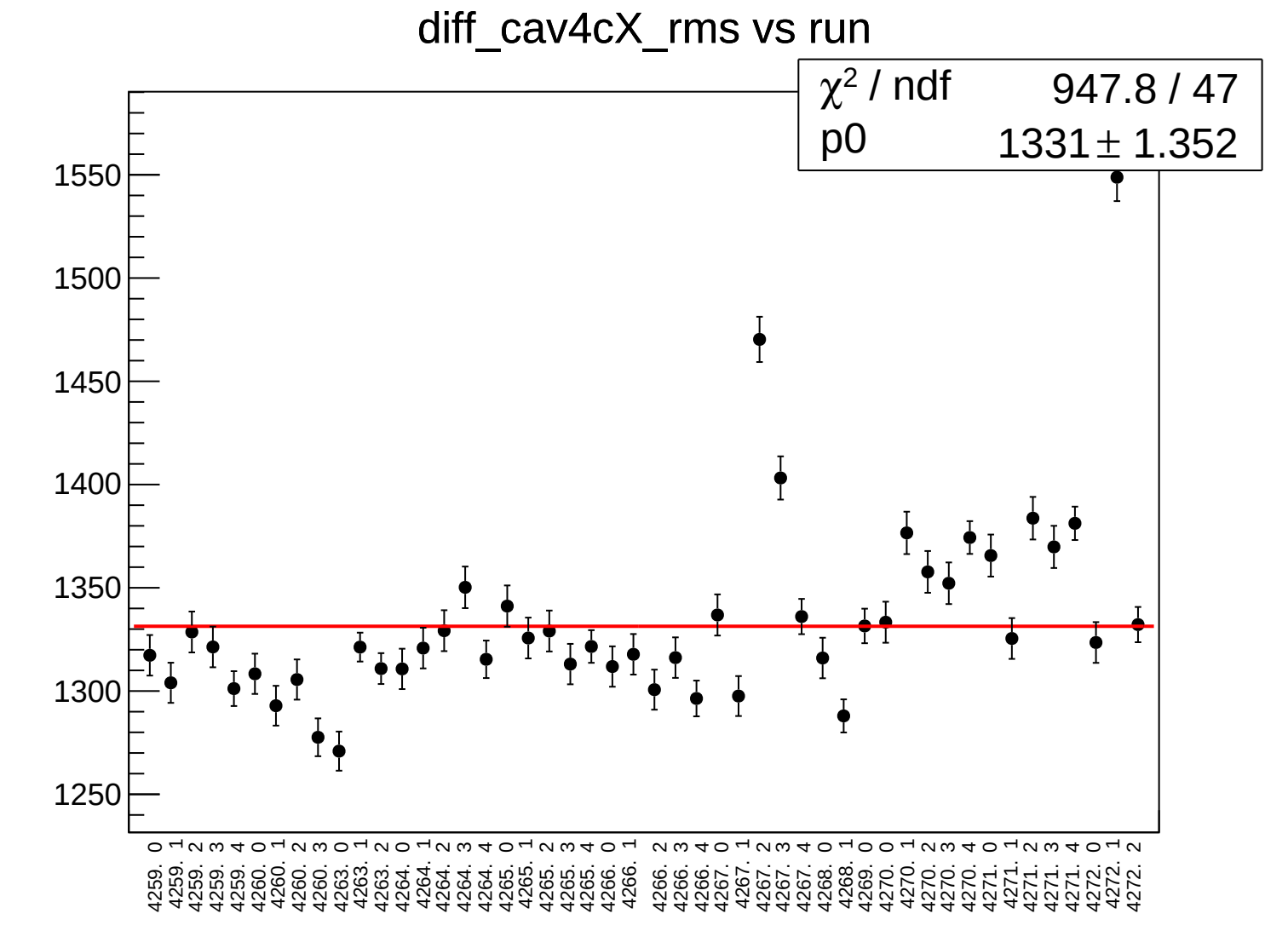

pull1D
Entries 48
Mean 0.03893
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

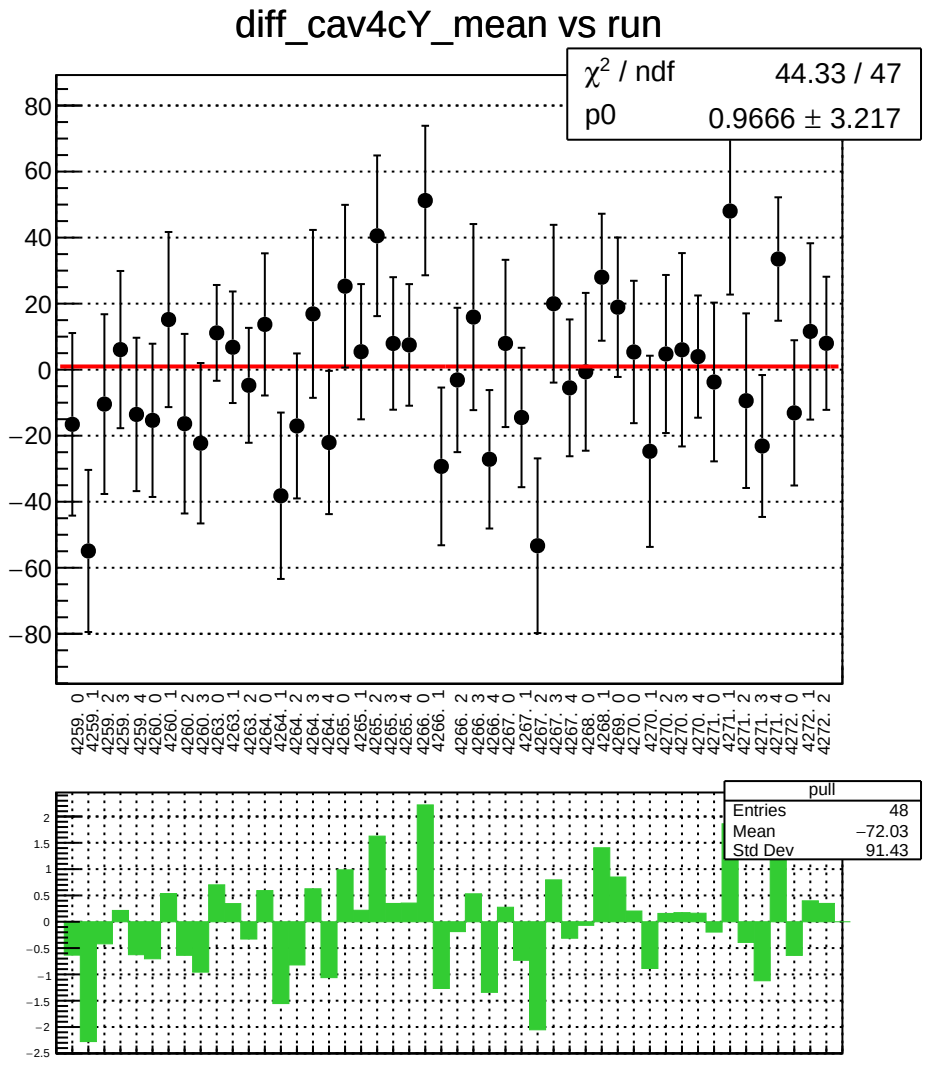

diff_cav4bY_rms vs run
χ^2 / ndf 7.73e+05 / 47
p0 5943 ± 13.38
90000
80000
70000
60000
50000
40000
30000
20000
10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

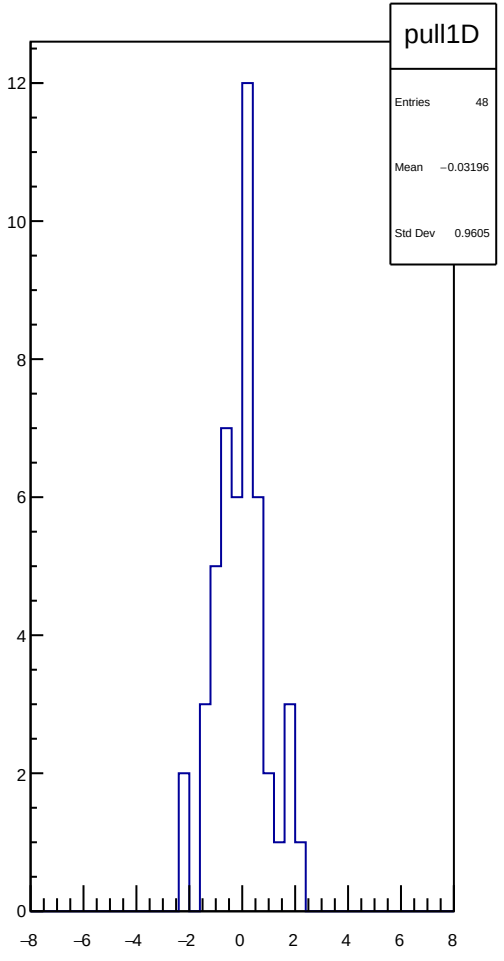

diff_cav4cX_mean vs run
χ² / ndf 58.14 / 47
p0 −0.6967 ± 1.912
40
20
0
−20
−40
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

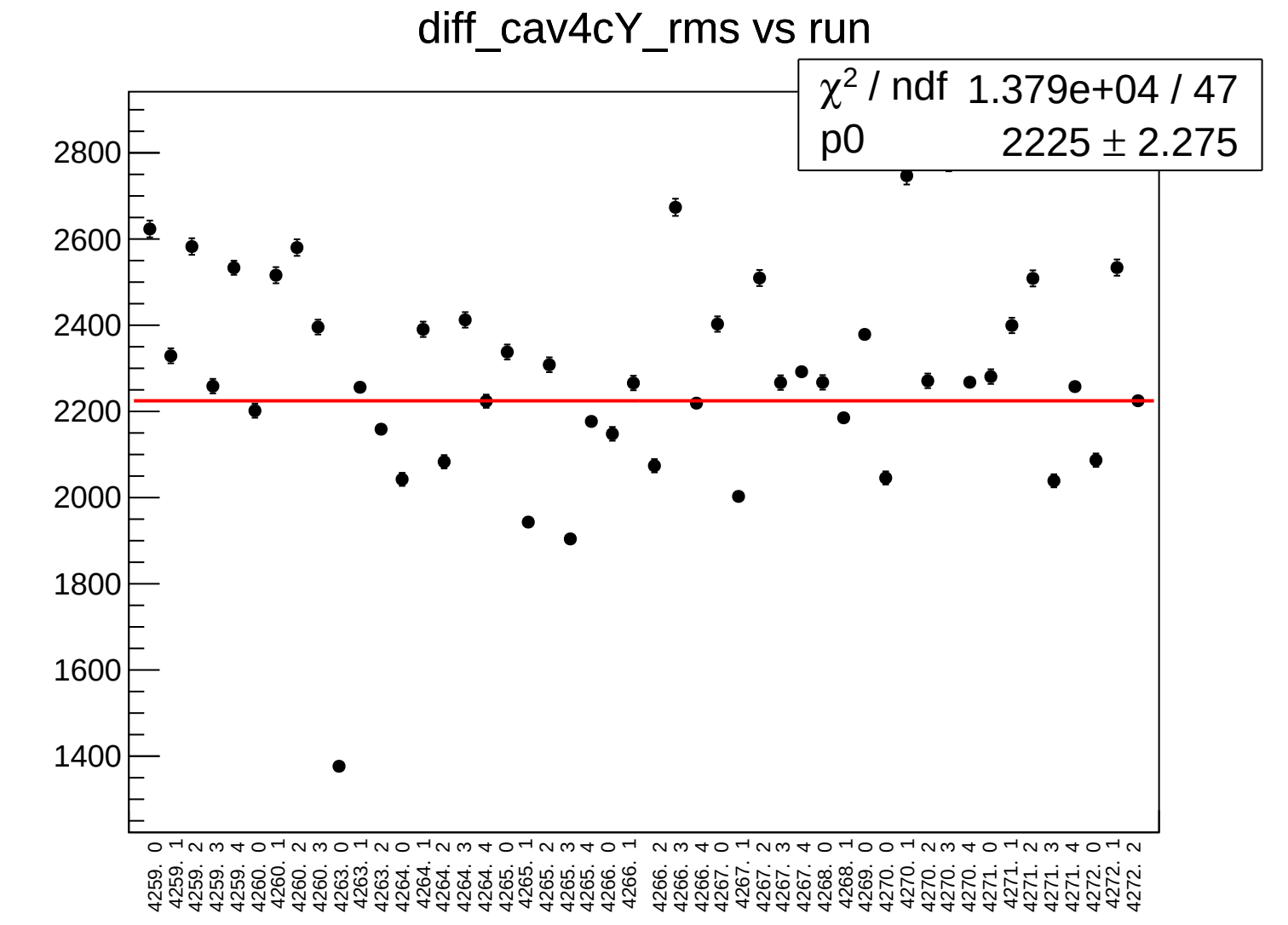

pull
Entries 48
Mean 510.1
Std Dev 491.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

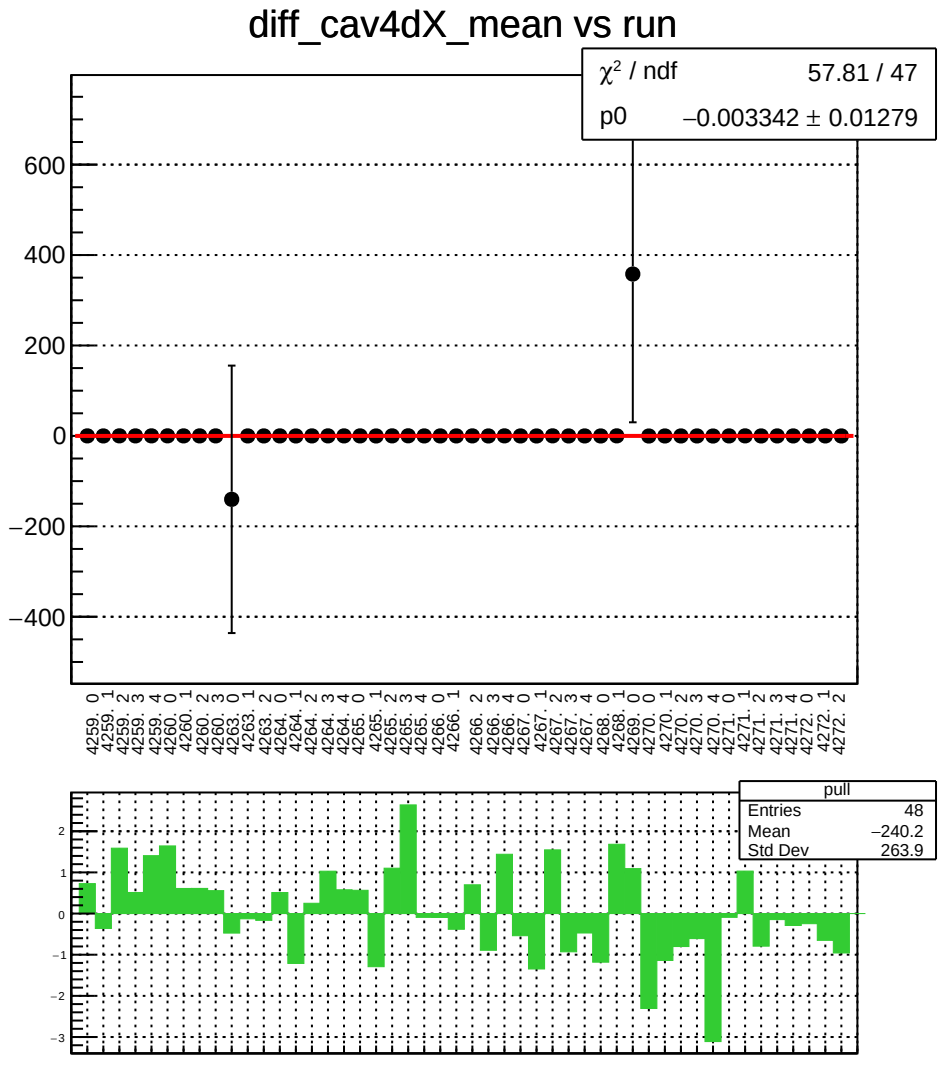

pull1D
Entries 48
Mean −0.00601
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

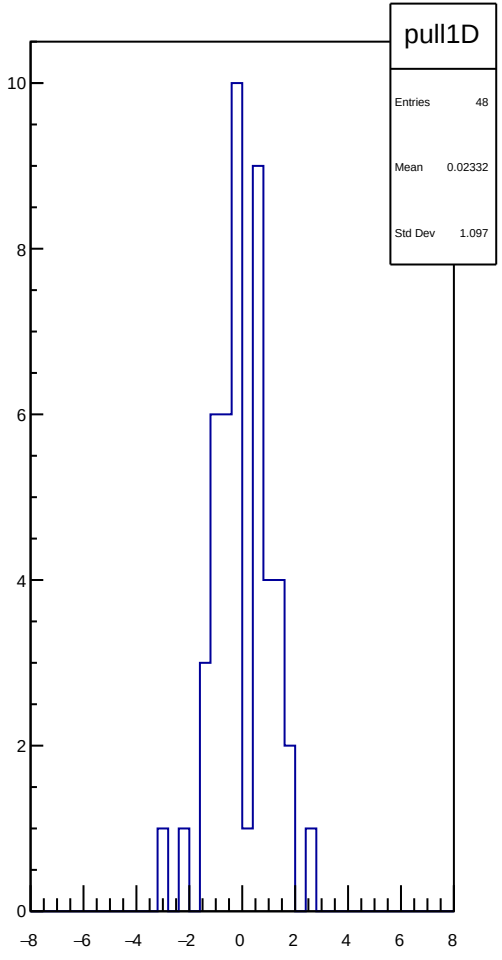

diff_cav4cX_rms vs run
χ² / ndf 947.8 / 47
p0 1331 ± 1.352
1550
1500
1450
1400
1350
1300
1250
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

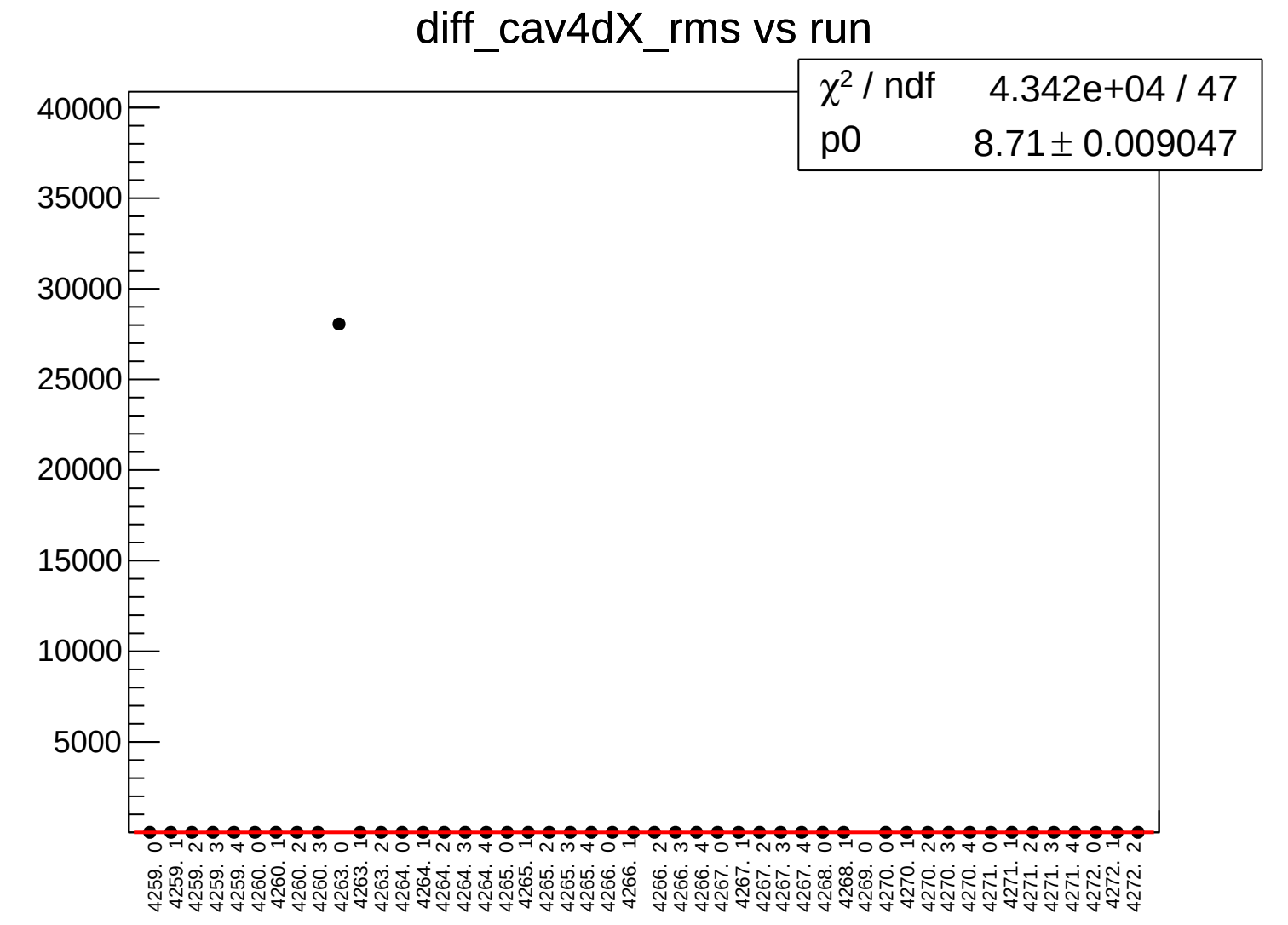

diff_cav4cY_mean vs run
χ² / ndf 44.33 / 47
p0 0.9666 ± 3.217
pull
Entries 48
Mean −72.03
Std Dev 91.43

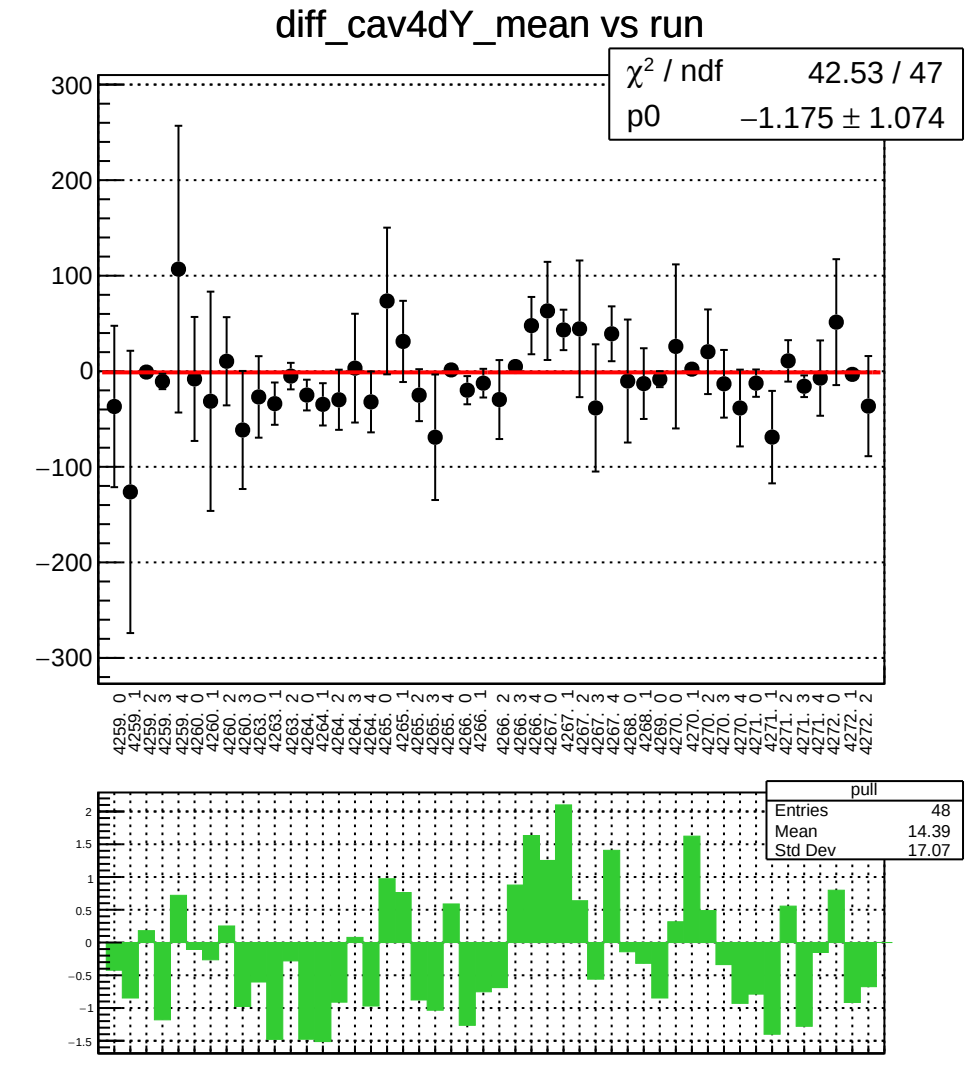

pull1D
Entries 48
Mean −0.03196
Std Dev 0.9605

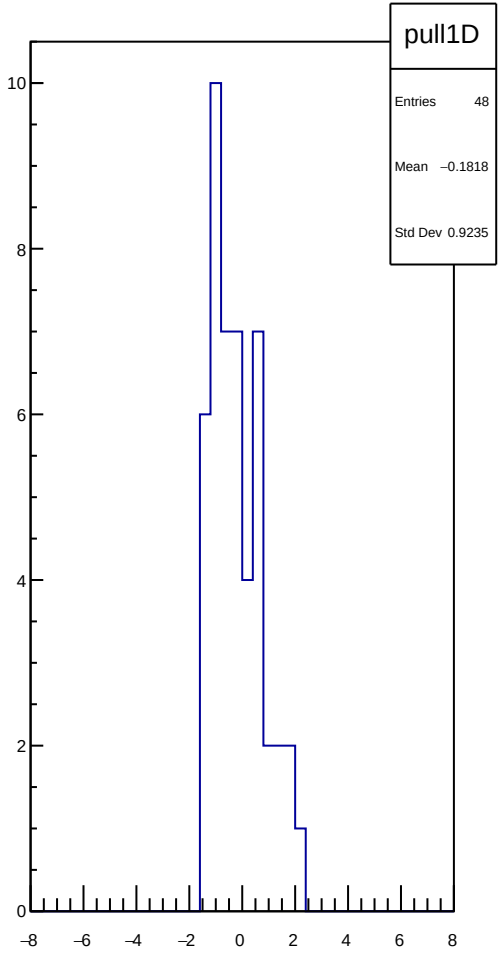

diff_cav4cY_rms vs run
χ² / ndf 1.379e+04 / 47
p0 2225 ± 2.275
2800
2600
2400
2200
2000
1800
1600
1400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

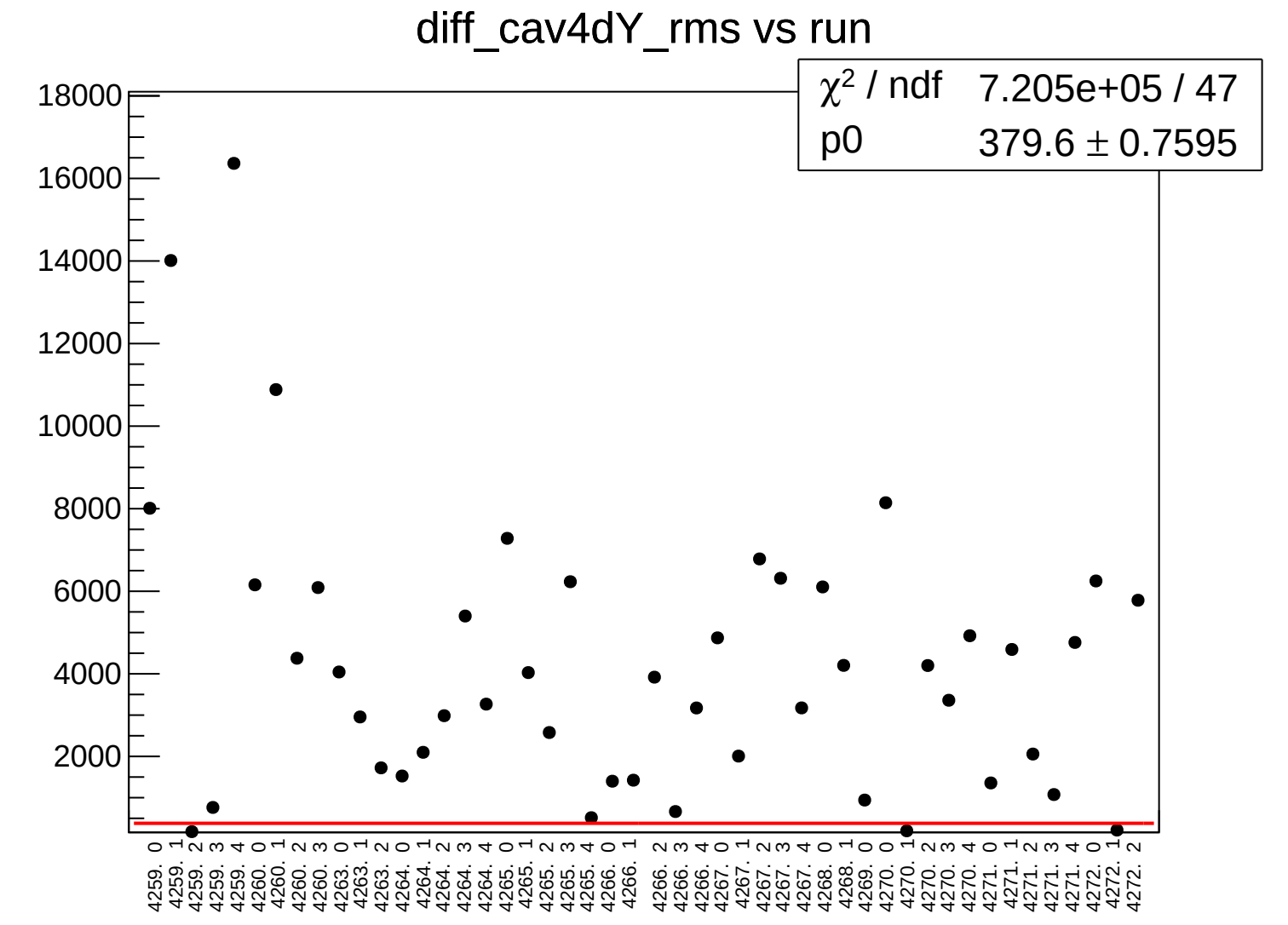

diff_cav4dX_mean vs run
χ² / ndf 57.81 / 47
p0 −0.003342 ± 0.01279
600
400
200
0
−200
−400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −240.2
Std Dev 263.9
2
1
0
−1
−2
−3

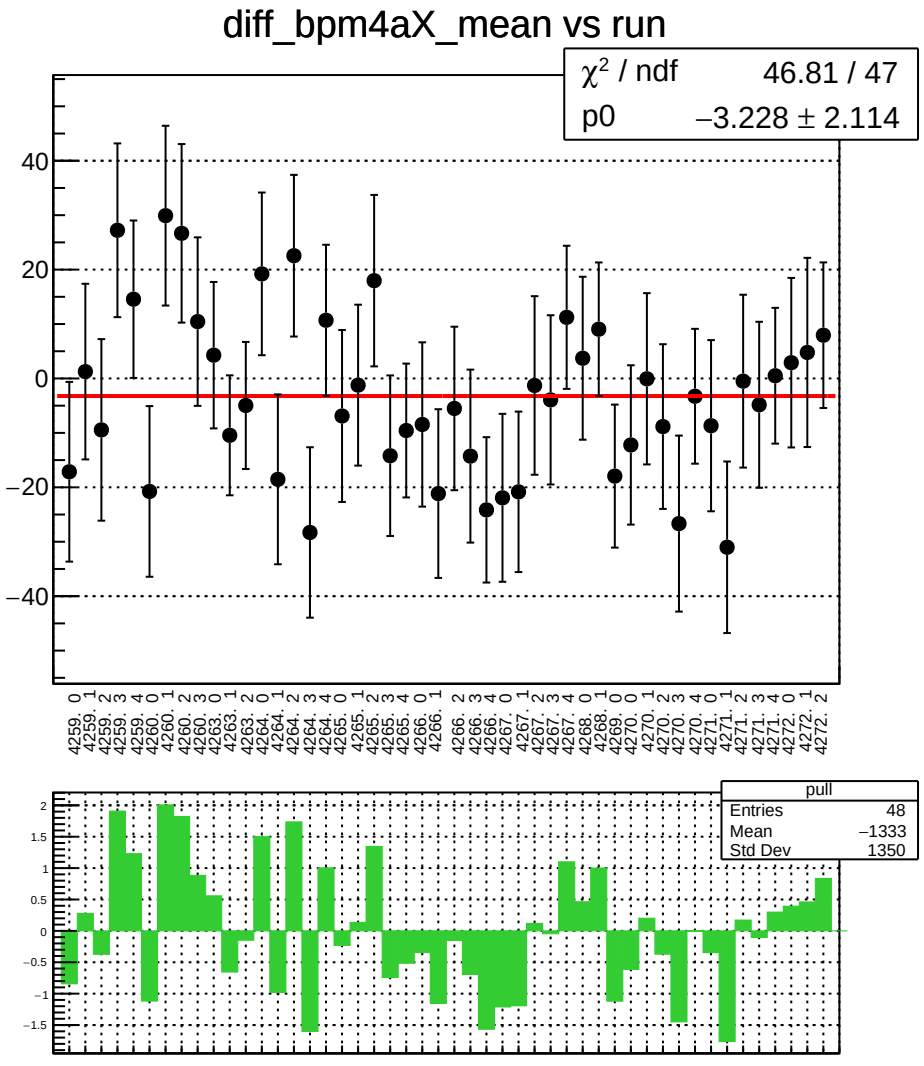

pull1D
Entries 48
Mean 0.02332
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

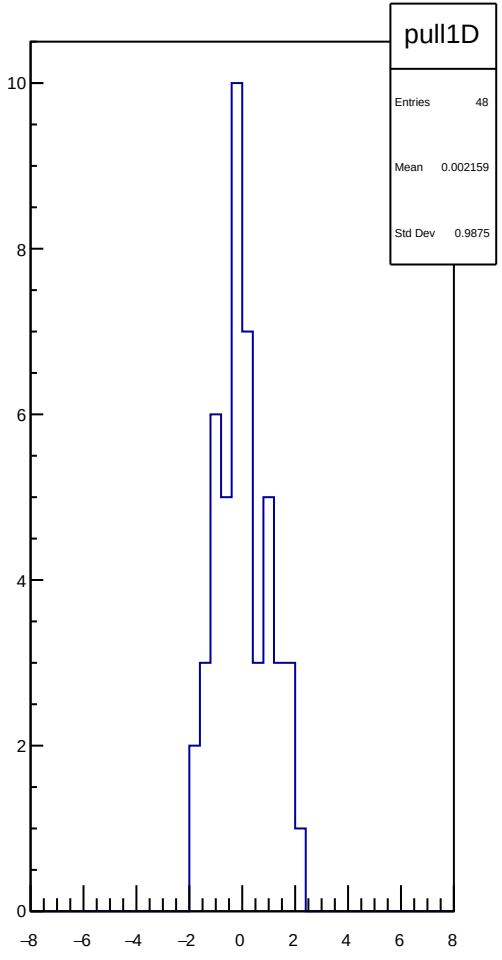

diff_cav4dX_rms vs run
χ² / ndf 4.342e+04 / 47
p0 8.71 ± 0.009047
40000
35000
30000
25000
20000
15000
10000
5000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

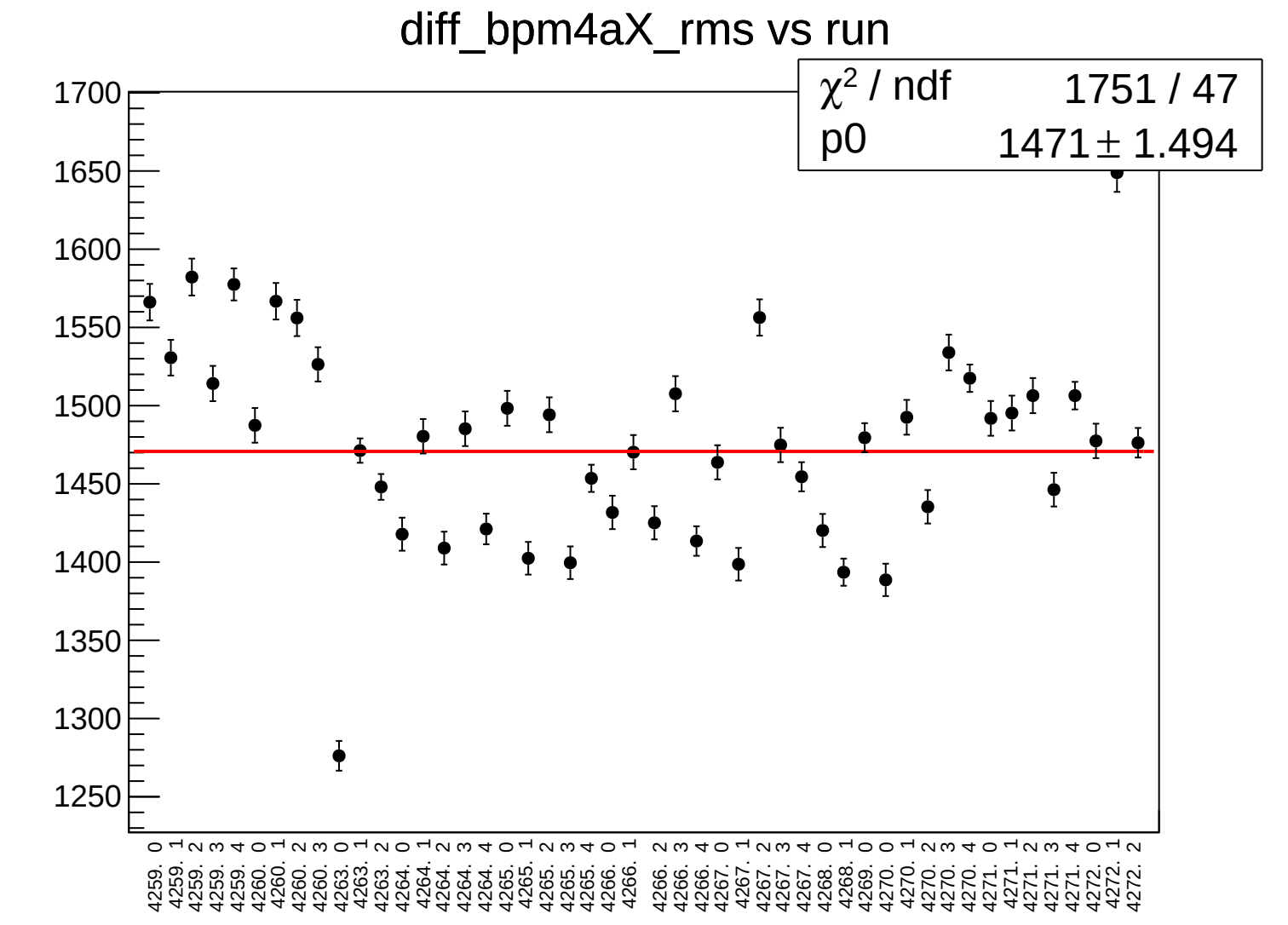

diff_cav4dY_mean vs run
χ² / ndf 42.53 / 47
p0 −1.175 ± 1.074
pull
Entries 48
Mean 14.39
Std Dev 17.07

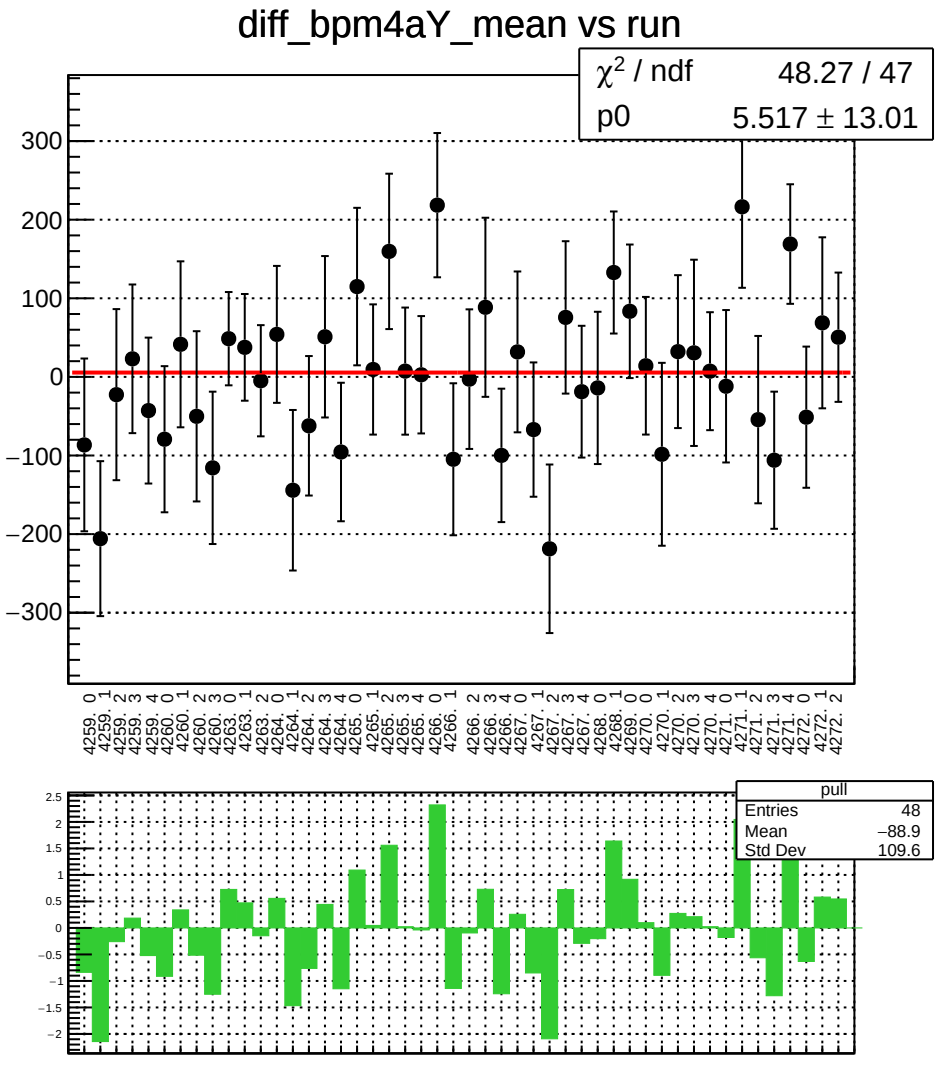

pull1D
Entries 48
Mean −0.1818
Std Dev 0.9235

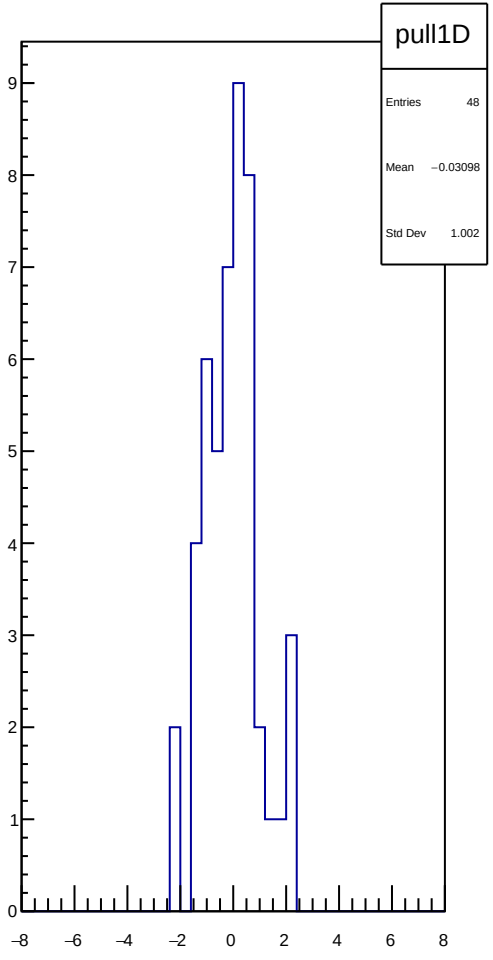

diff_cav4dY_rms vs run
χ² / ndf 7.205e+05 / 47
p0 379.6 ± 0.7595
18000
16000
14000
12000
10000
8000
6000
4000
2000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

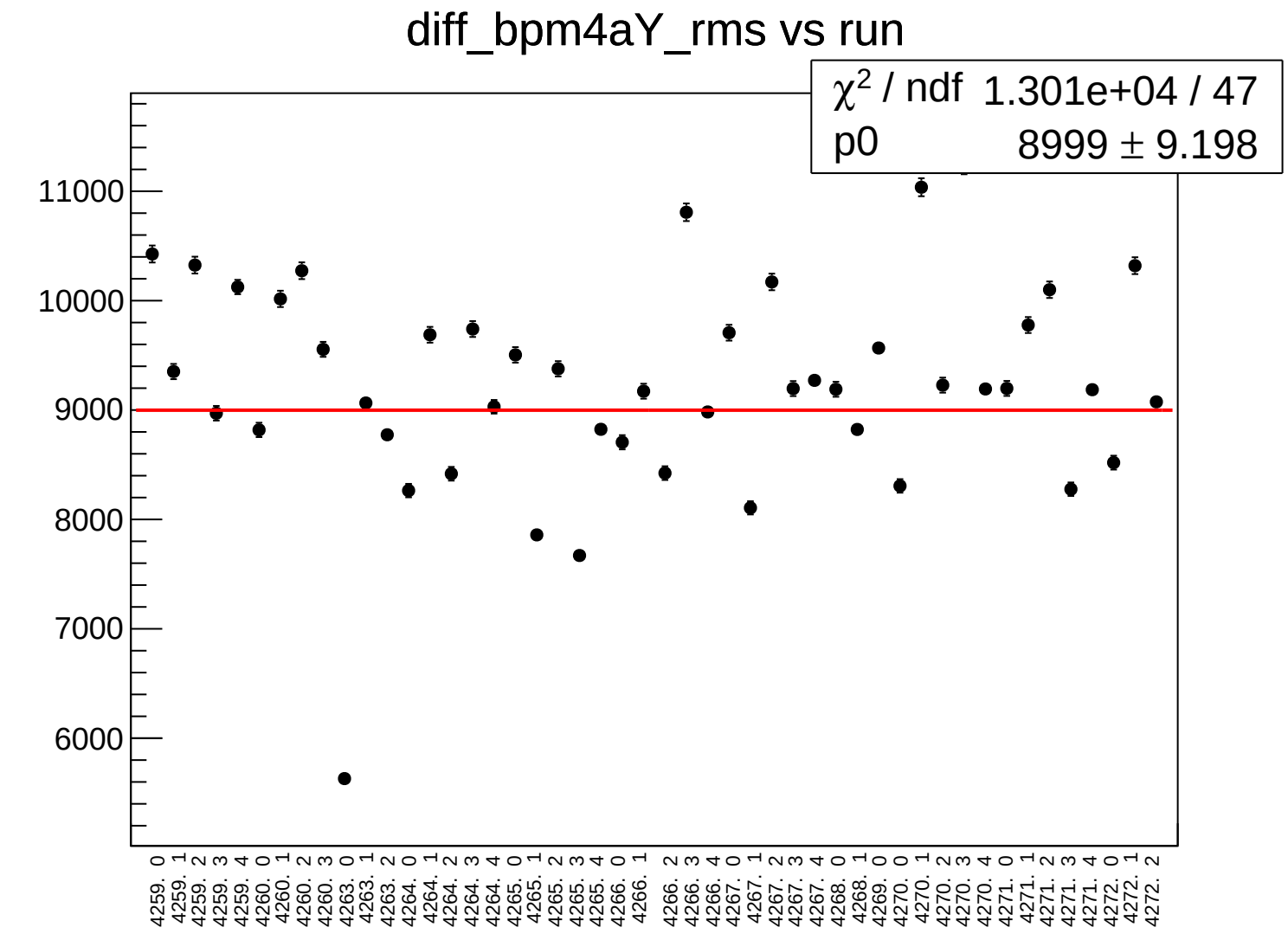

diff_bpm4aX_mean vs run
χ² / ndf 46.81 / 47
p0 −3.228 ± 2.114
40
20
0
−20
−40
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1333
Std Dev 1350
2
1.5
1
0.5
0
−0.5
−1
−1.5

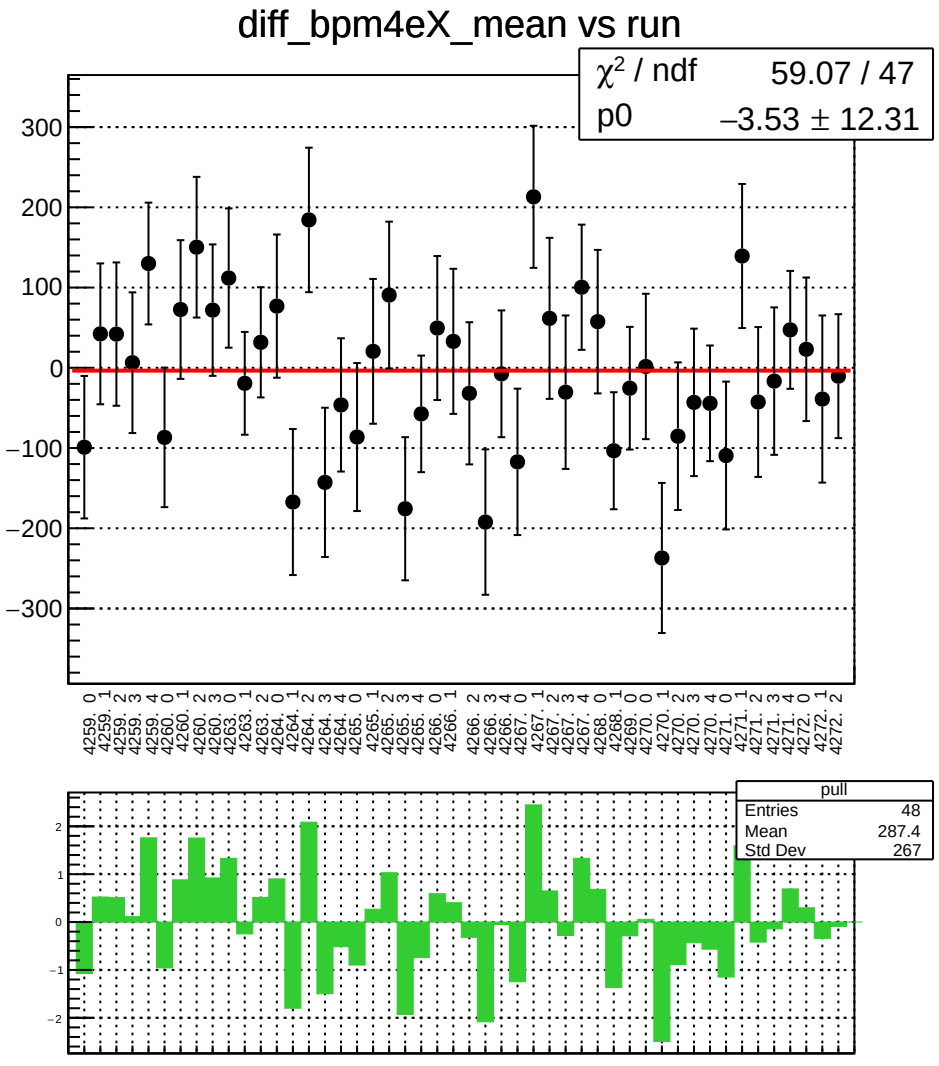

pull1D
Entries 48
Mean 0.002159
Std Dev 0.9875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

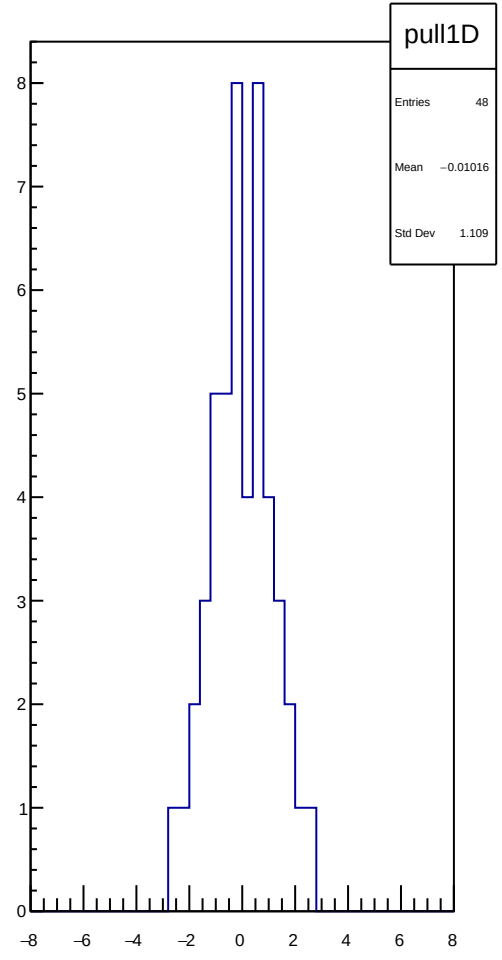

diff_bpm4aX_rms vs run
χ² / ndf 1751 / 47
p0 1471 ± 1.494
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

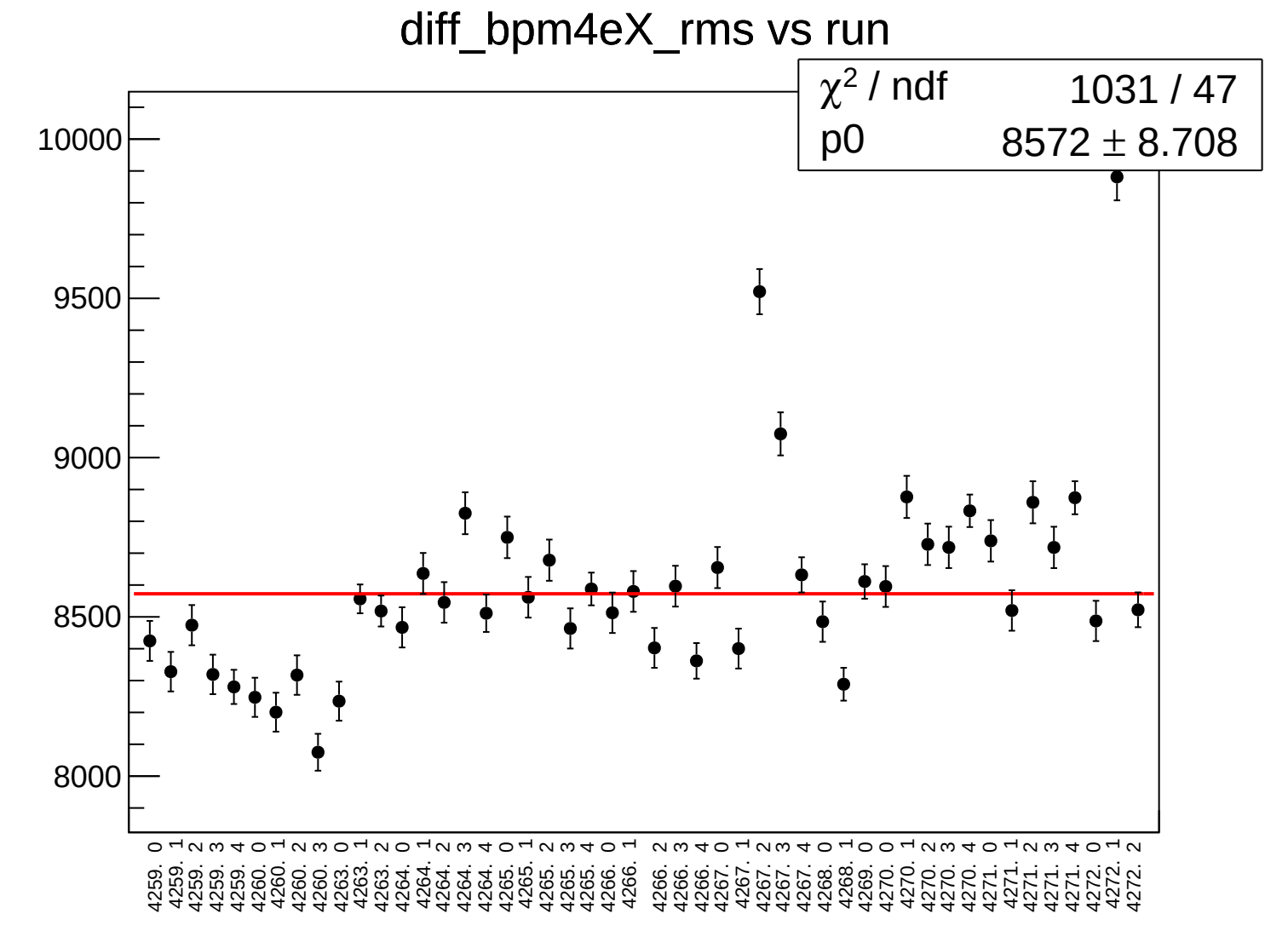

diff_bpm4aY_mean vs run
χ² / ndf 48.27 / 47
p0 5.517 ± 13.01
pull
Entries 48
Mean −88.9
Std Dev 109.6

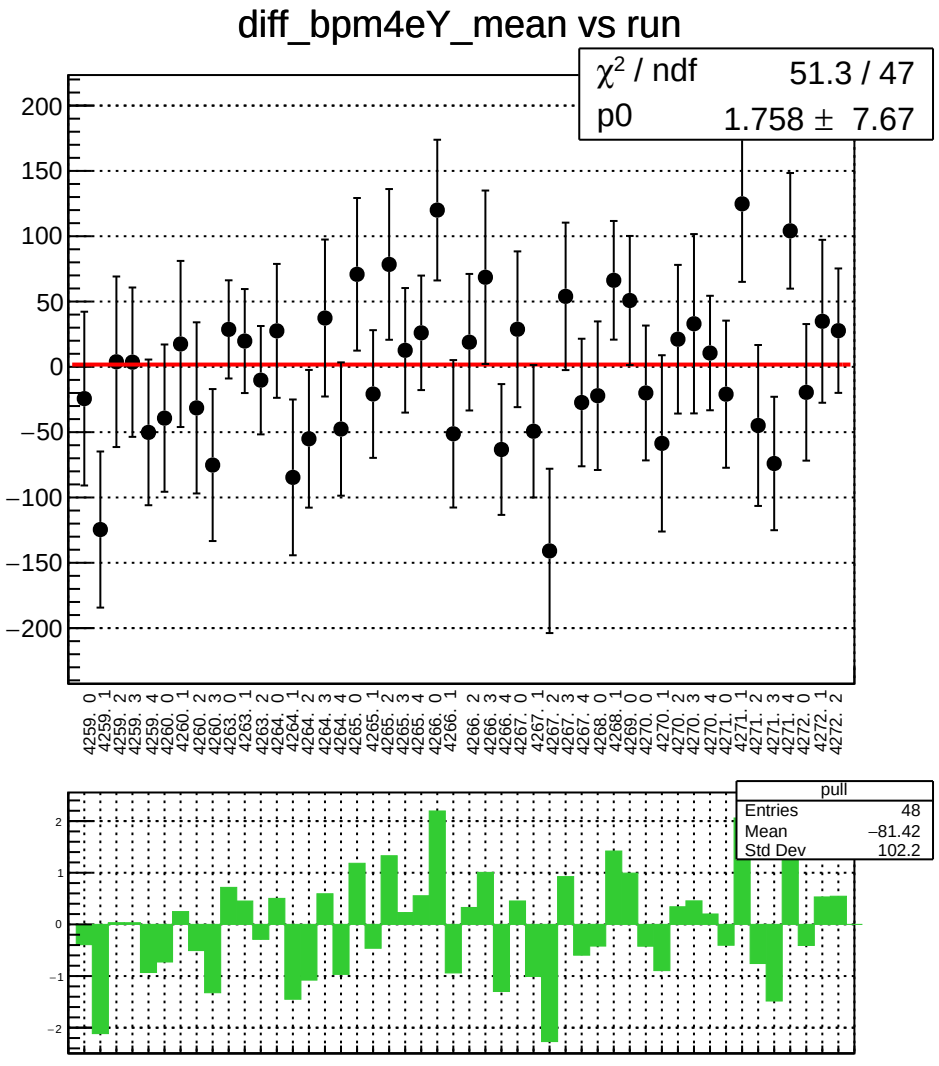

pull1D
Entries 48
Mean −0.03098
Std Dev 1.002

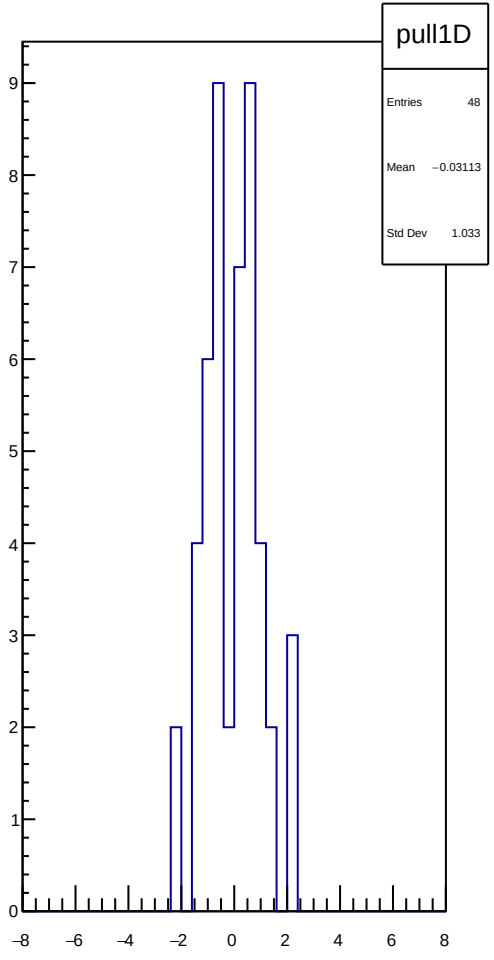

diff_bpm4aY_rms vs run
χ² / ndf 1.301e+04 / 47
p0 8999 ± 9.198
11000
10000
9000
8000
7000
6000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

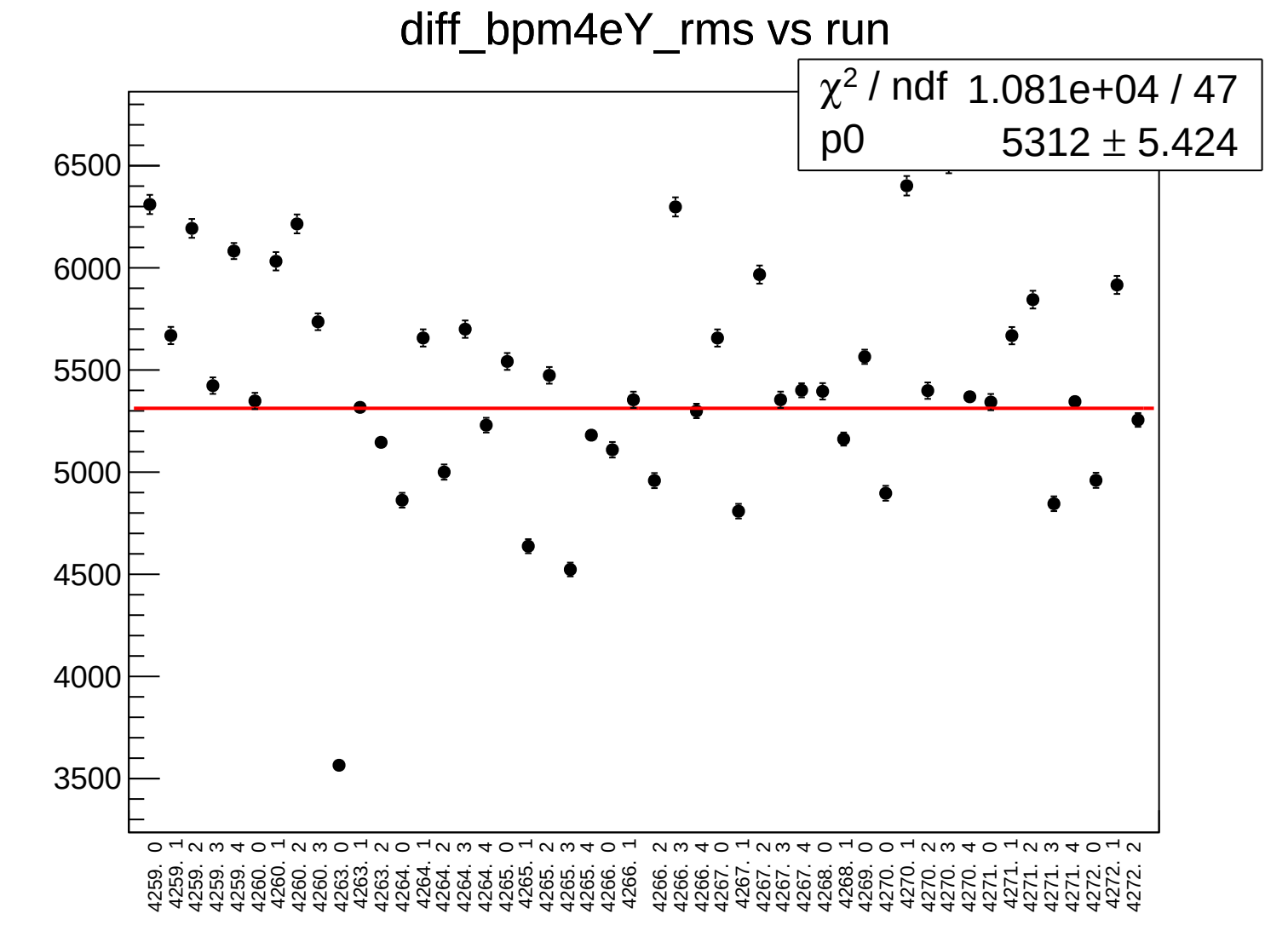

diff_bpm4eX_mean vs run
χ² / ndf 59.07 / 47
p0 −3.53 ± 12.31
300
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 287.4
Std Dev 267
2
1
0
−1
−2

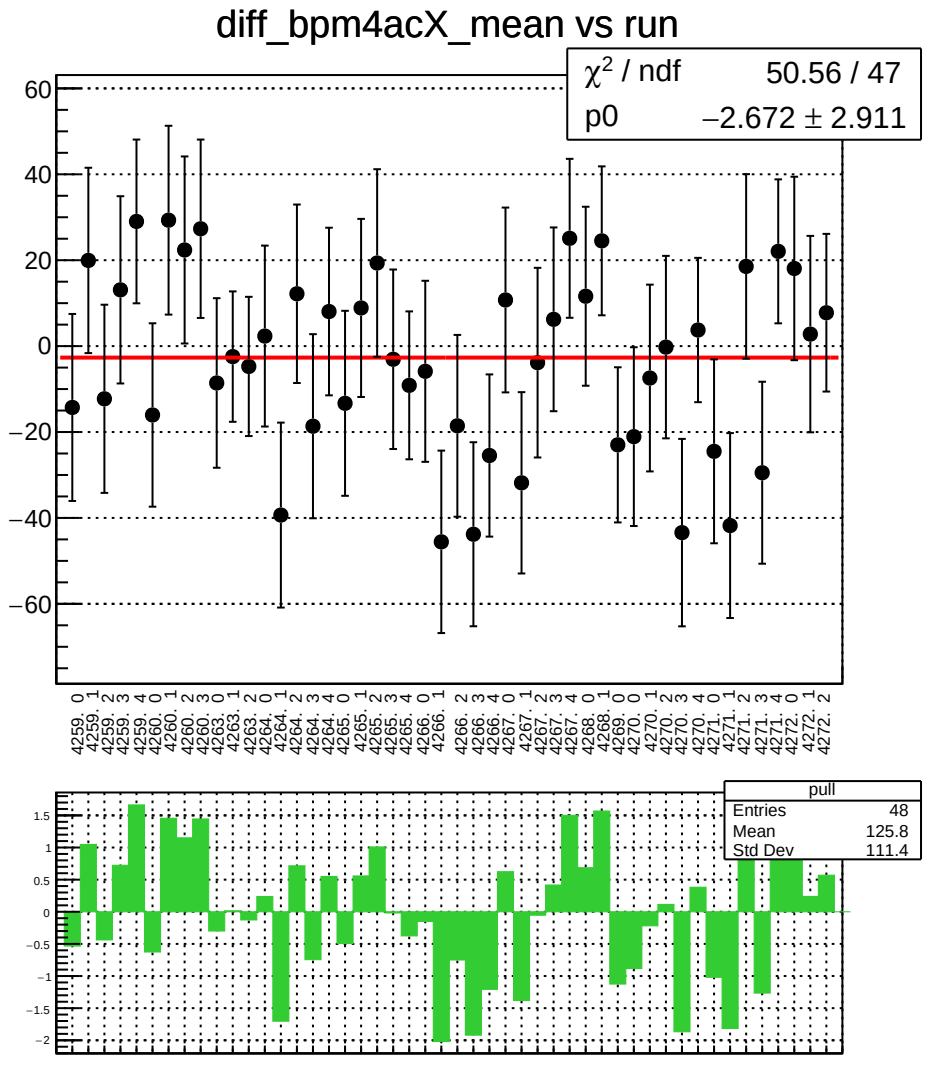

pull1D
Entries 48
Mean −0.01016
Std Dev 1.109
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

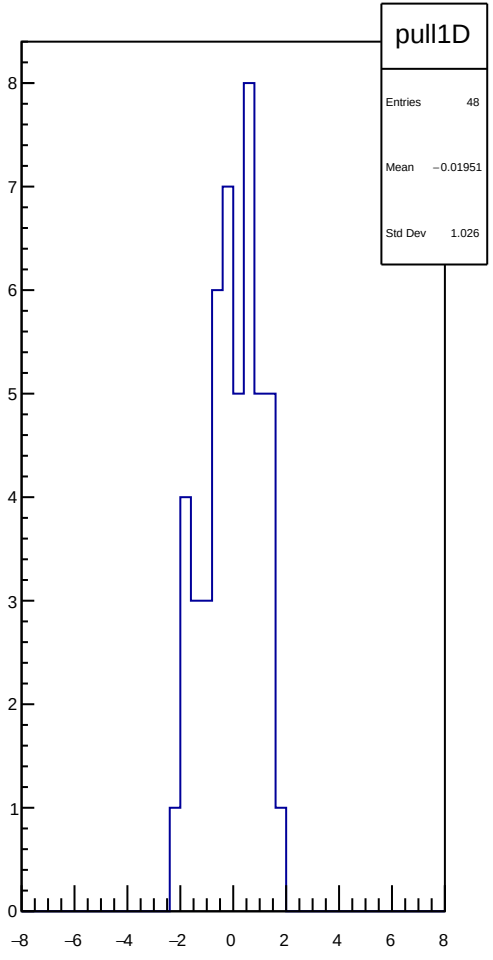

diff_bpm4eX_rms vs run
χ² / ndf 1031 / 47
p0 8572 ± 8.708
10000
9500
9000
8500
8000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

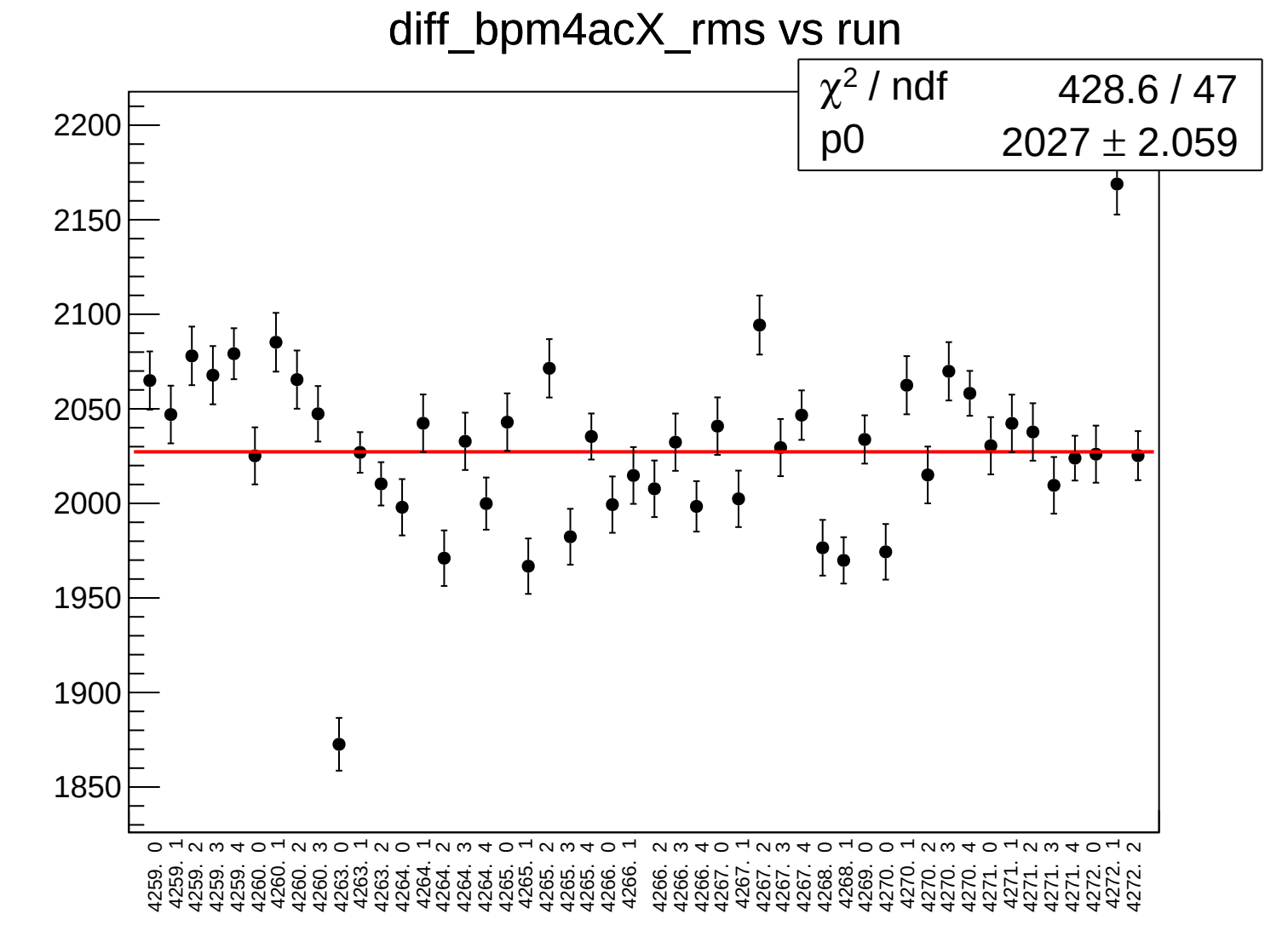

diff_bpm4eY_mean vs run
χ² / ndf 51.3 / 47
p0 1.758 ± 7.67
200
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −81.42
Std Dev 102.2
2
1
0
−1
−2

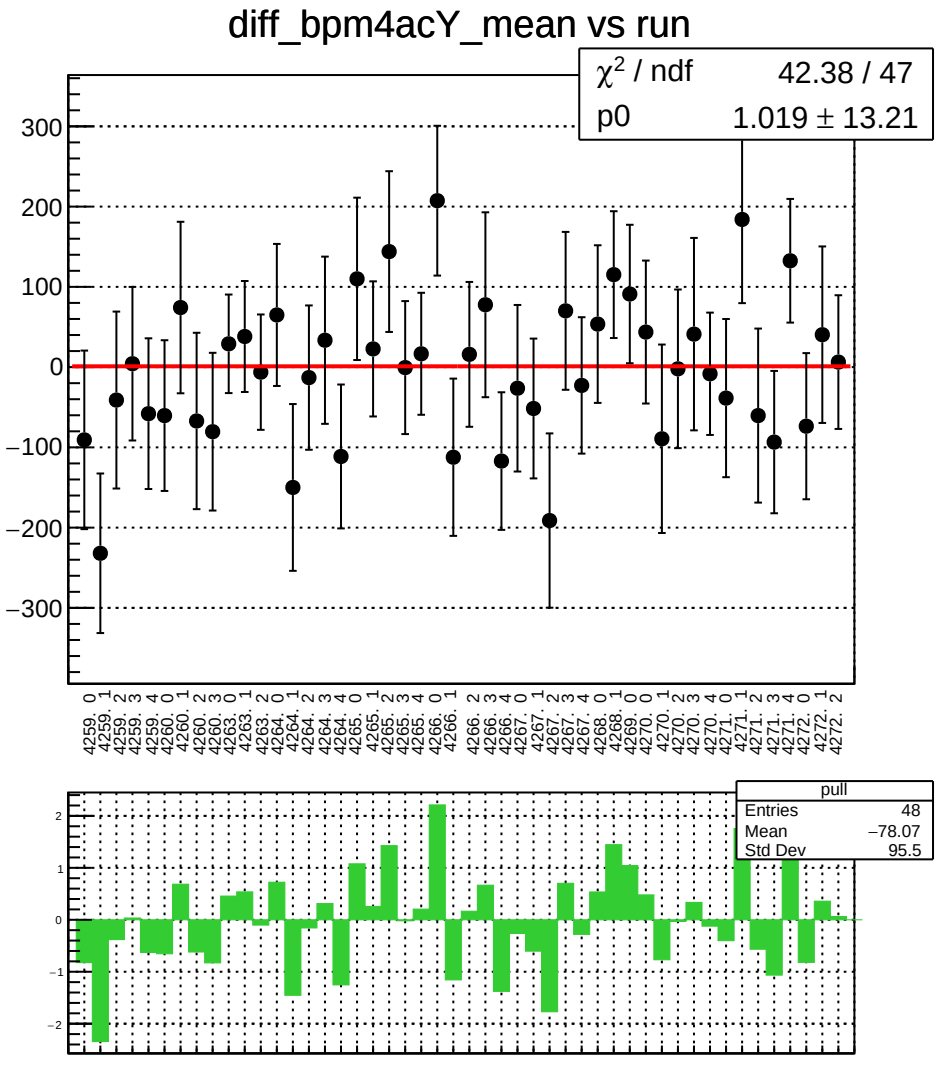

pull1D
Entries 48
Mean −0.03113
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

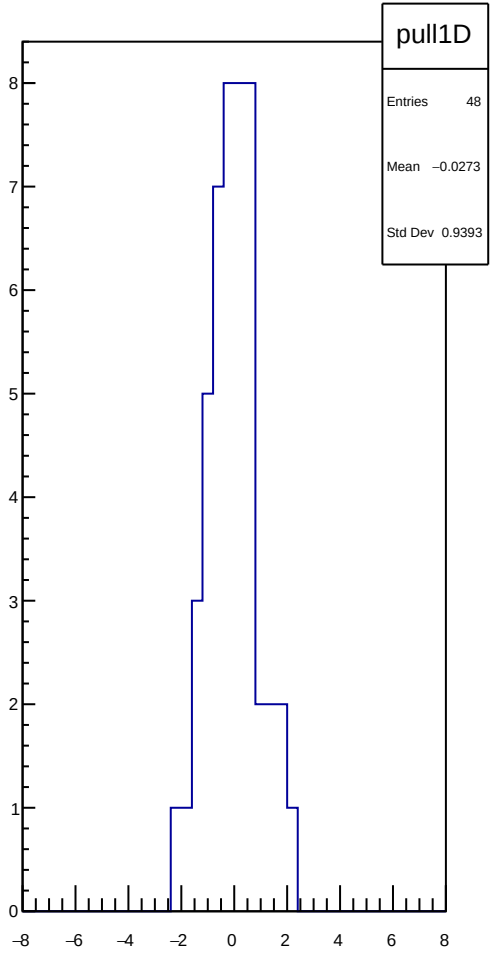

diff_bpm4eY_rms vs run
χ² / ndf 1.081e+04 / 47
p0 5312 ± 5.424
6500
6000
5500
5000
4500
4000
3500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

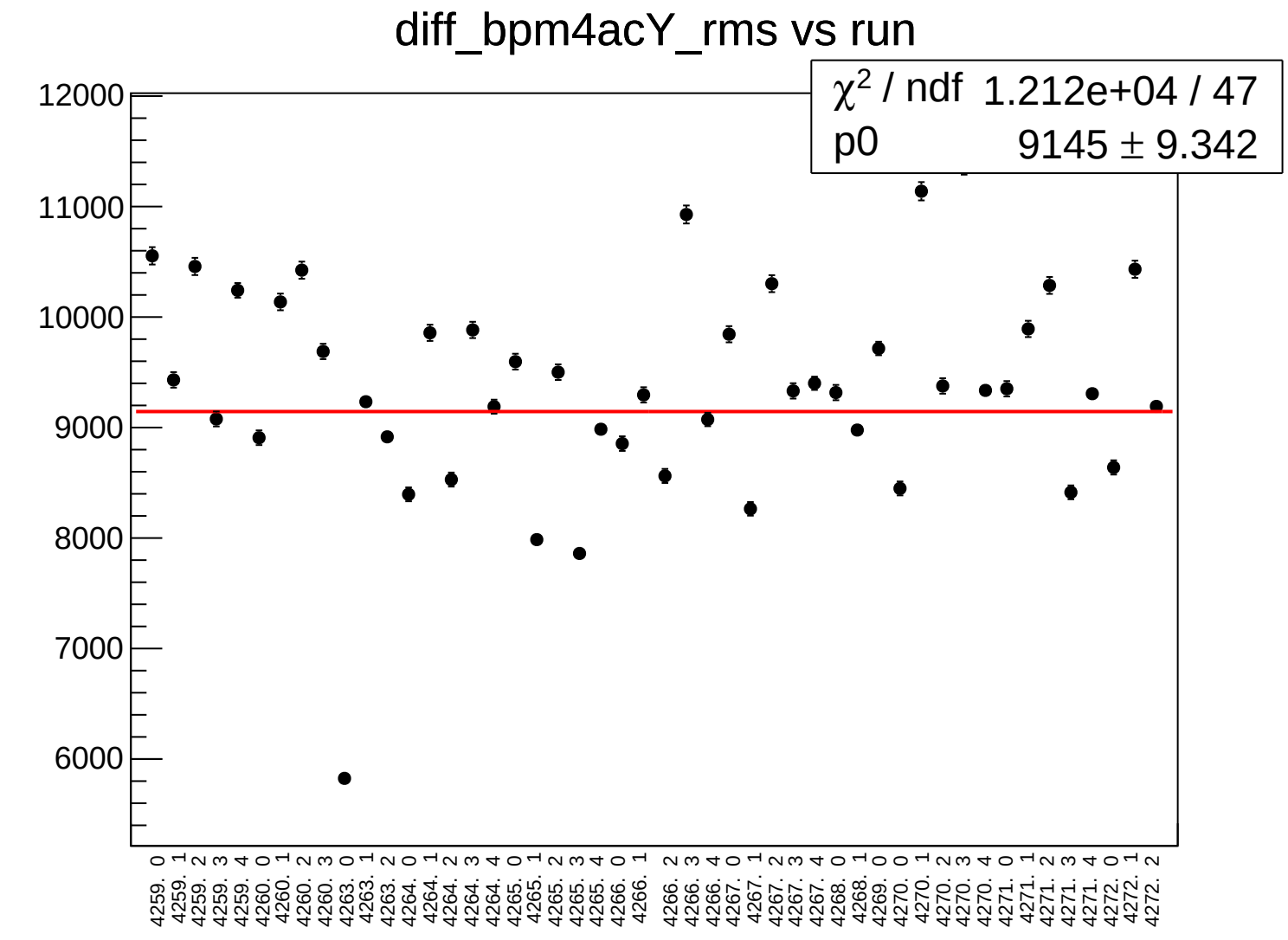

diff_bpm4acX_mean vs run
χ² / ndf 50.56 / 47
p0 −2.672 ± 2.911
pull
Entries 48
Mean 125.8
Std Dev 111.4

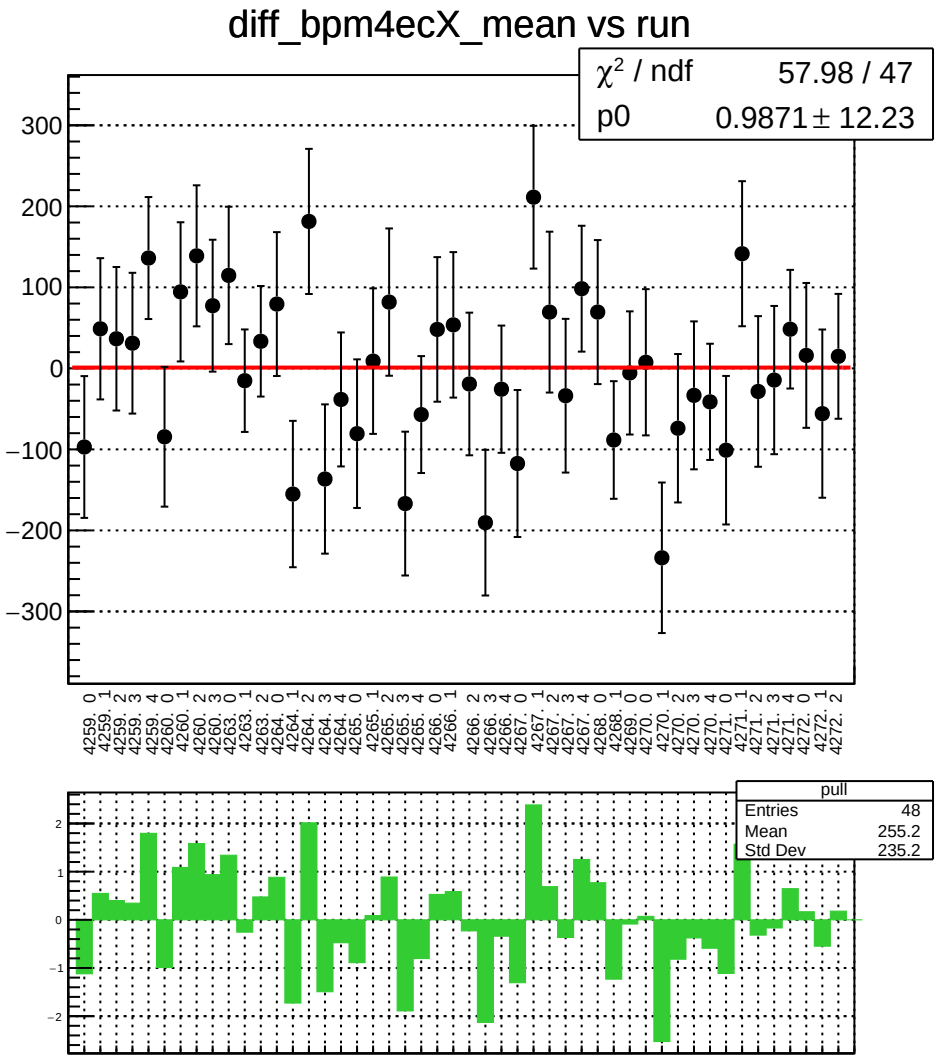

pull1D
Entries 48
Mean −0.01951
Std Dev 1.026

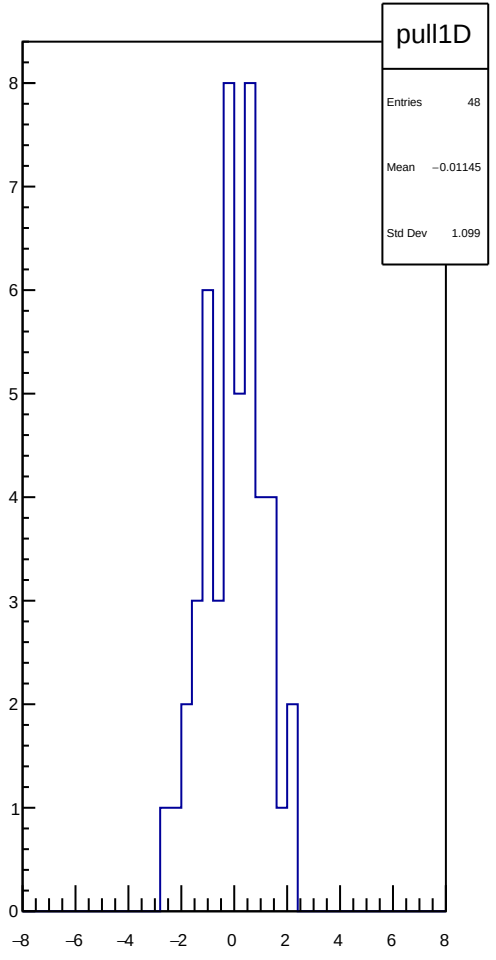

diff_bpm4acX_rms vs run
χ² / ndf 428.6 / 47
p0 2027 ± 2.059
2200
2150
2100
2050
2000
1950
1900
1850
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

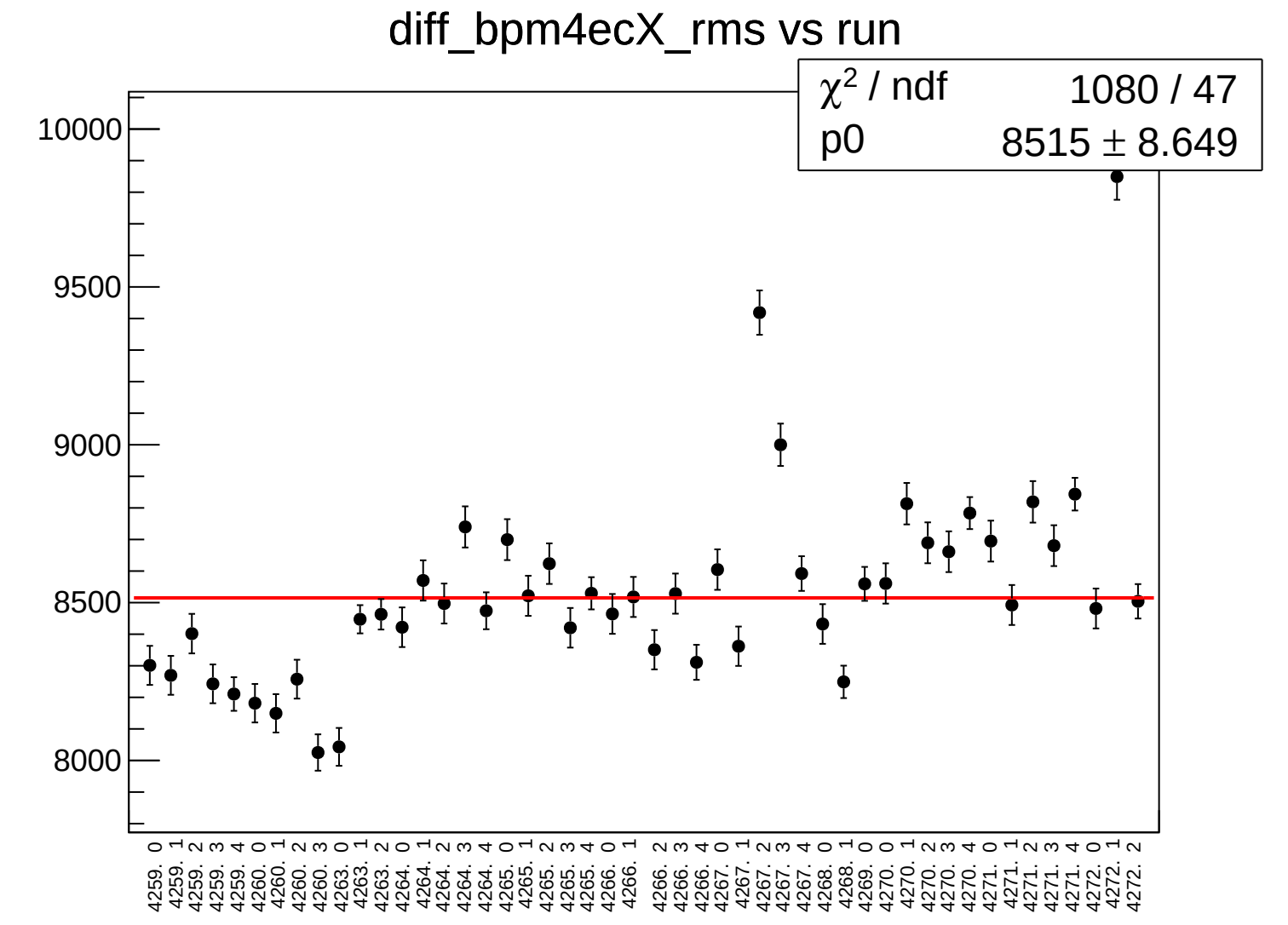

diff_bpm4acY_mean vs run
χ² / ndf 42.38 / 47
p0 1.019 ± 13.21
pull
Entries 48
Mean −78.07
Std Dev 95.5

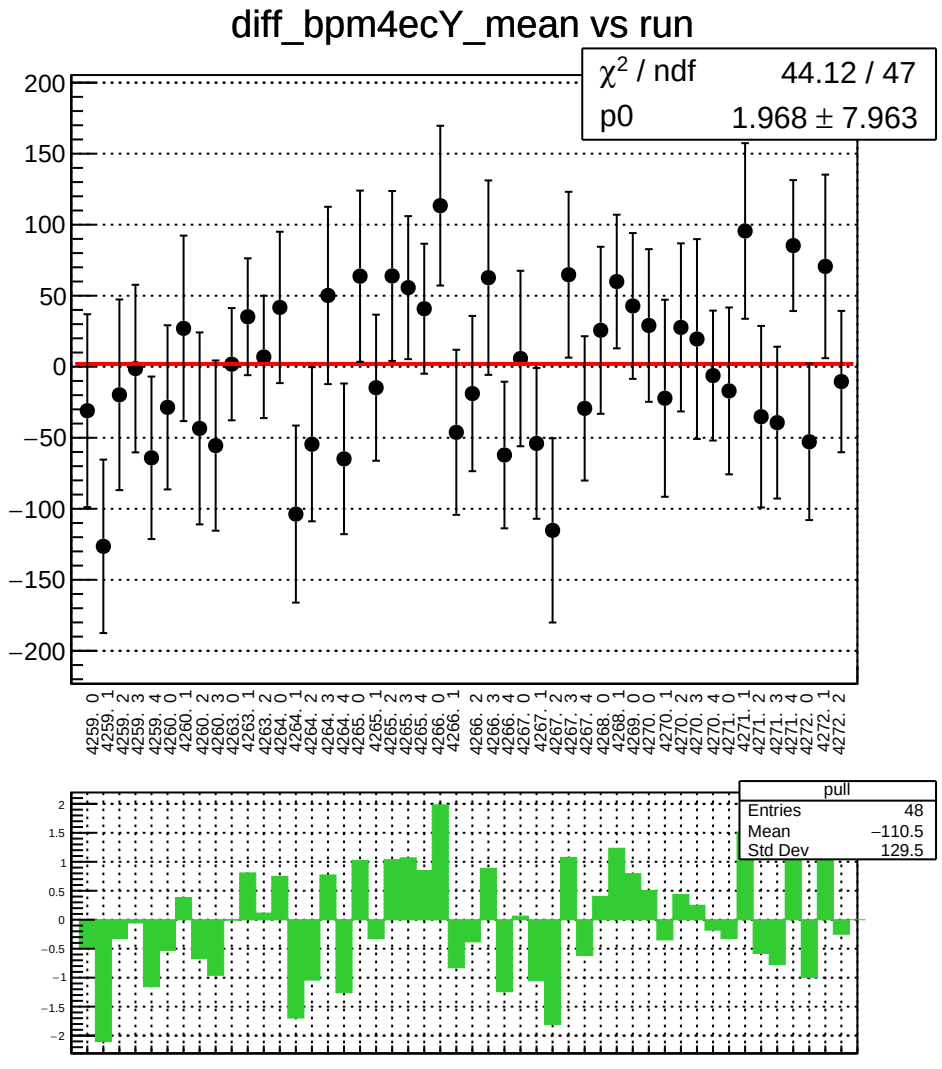

pull1D
Entries 48
Mean −0.0273
Std Dev 0.9393

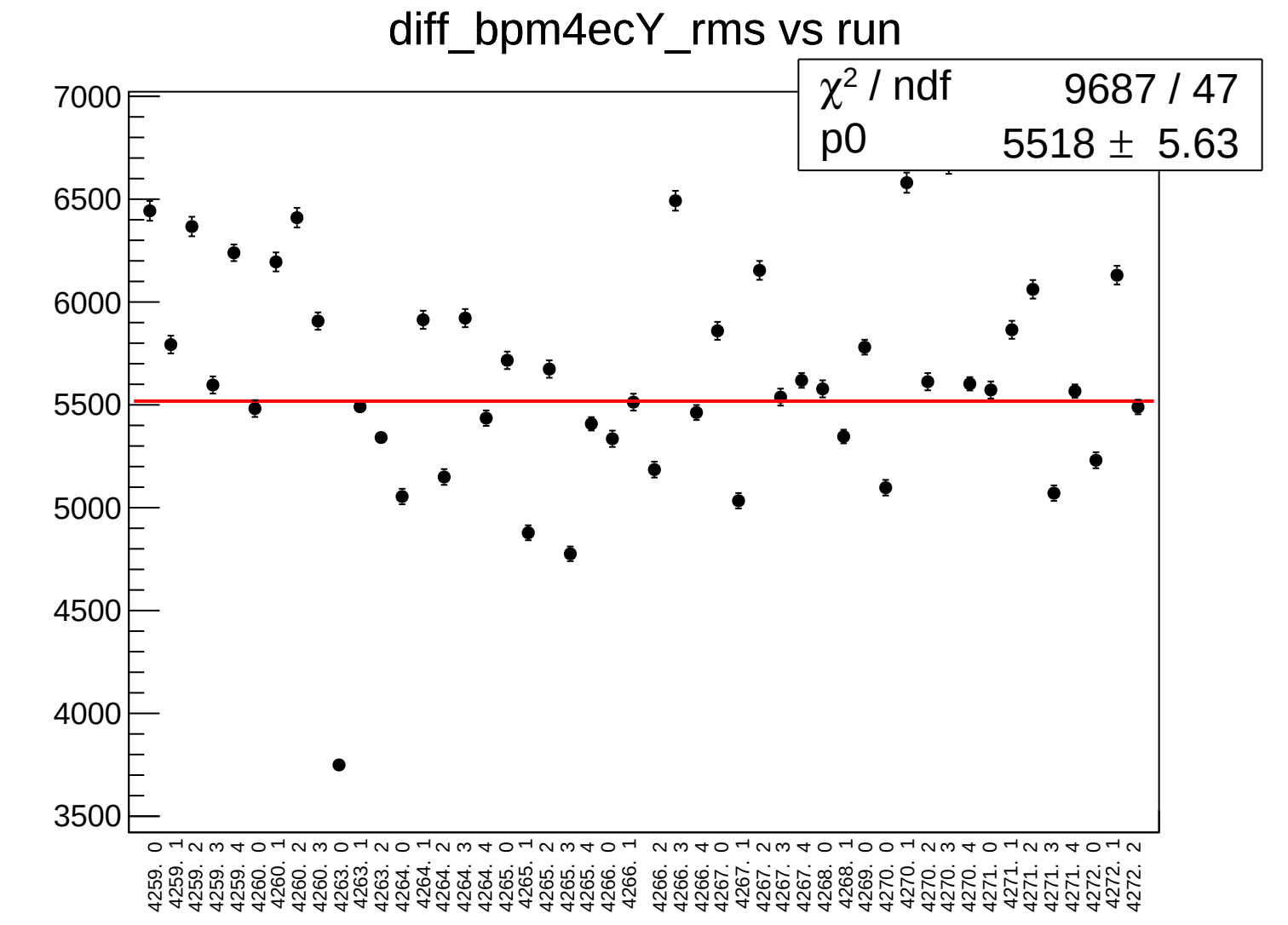

diff_bpm4acY_rms vs run
χ² / ndf 1.212e+04 / 47
p0 9145 ± 9.342
12000
11000
10000
9000
8000
7000
6000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

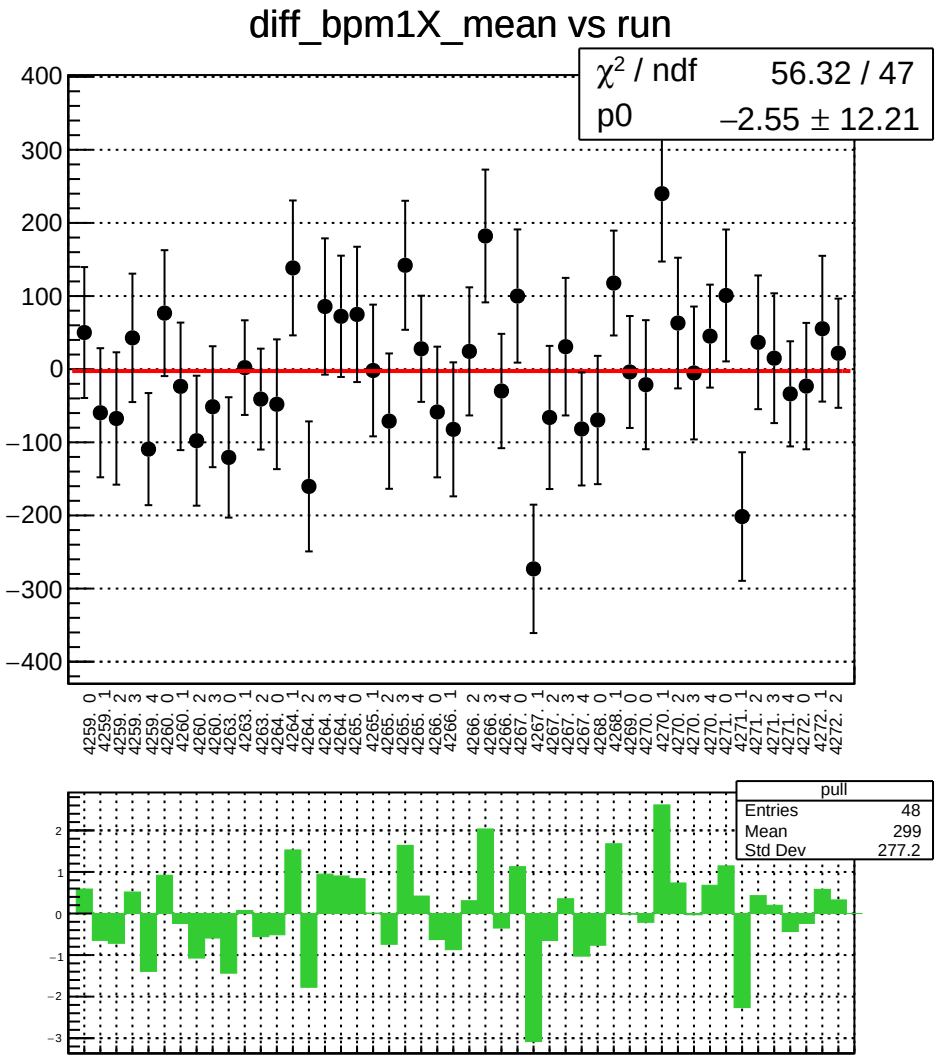

diff_bpm4ecX_mean vs run
χ² / ndf 57.98 / 47
p0 0.9871 ± 12.23
300
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 255.2
Std Dev 235.2
2
1
0
−1
−2

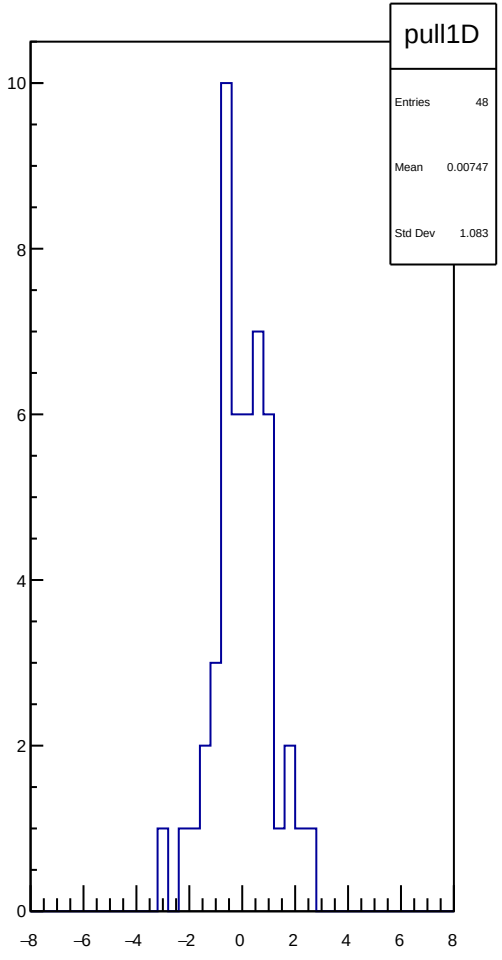

pull1D
Entries 48
Mean −0.01145
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

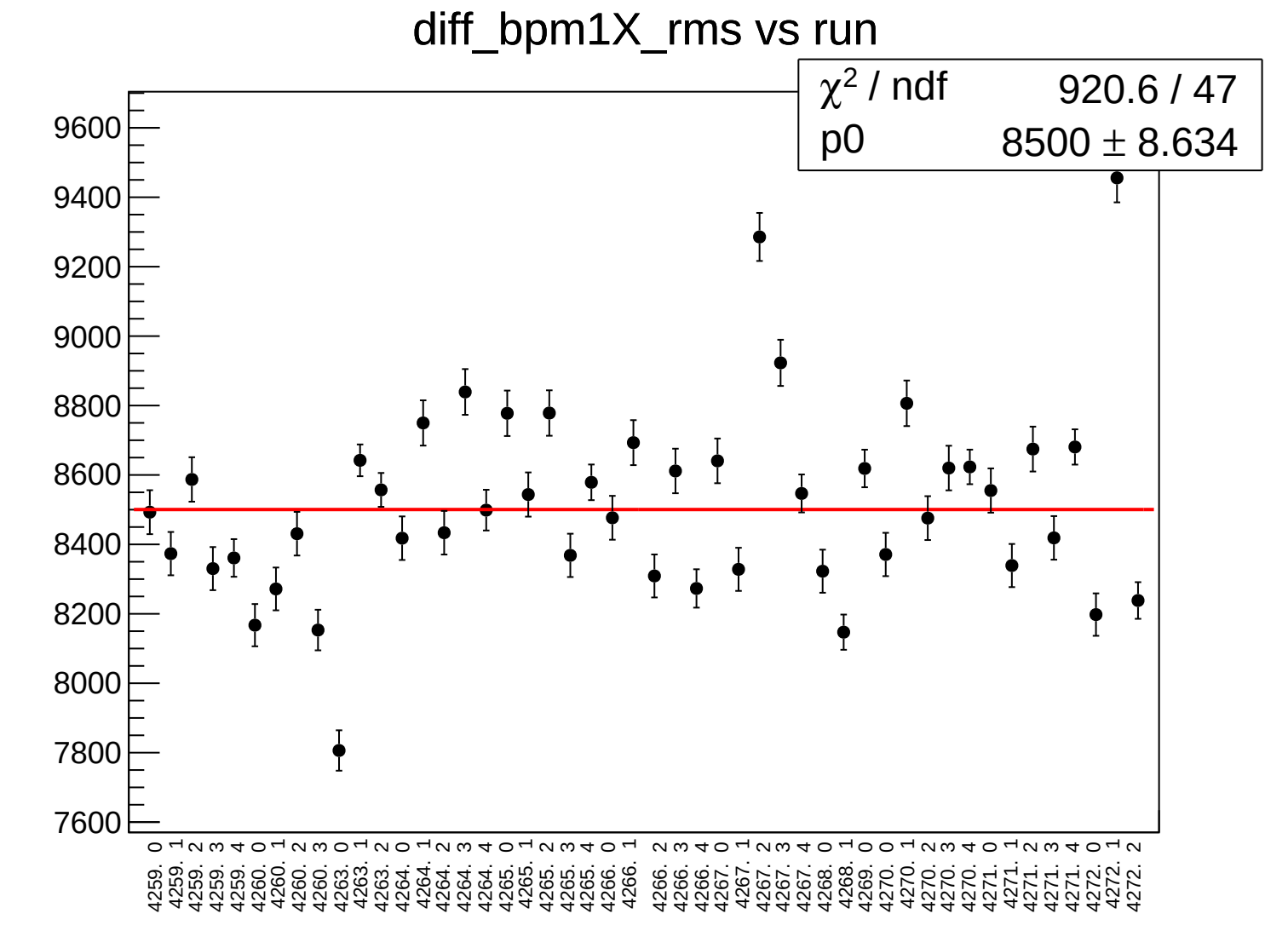

diff_bpm4ecX_rms vs run
χ² / ndf 1080 / 47
p0 8515 ± 8.649
10000
9500
9000
8500
8000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

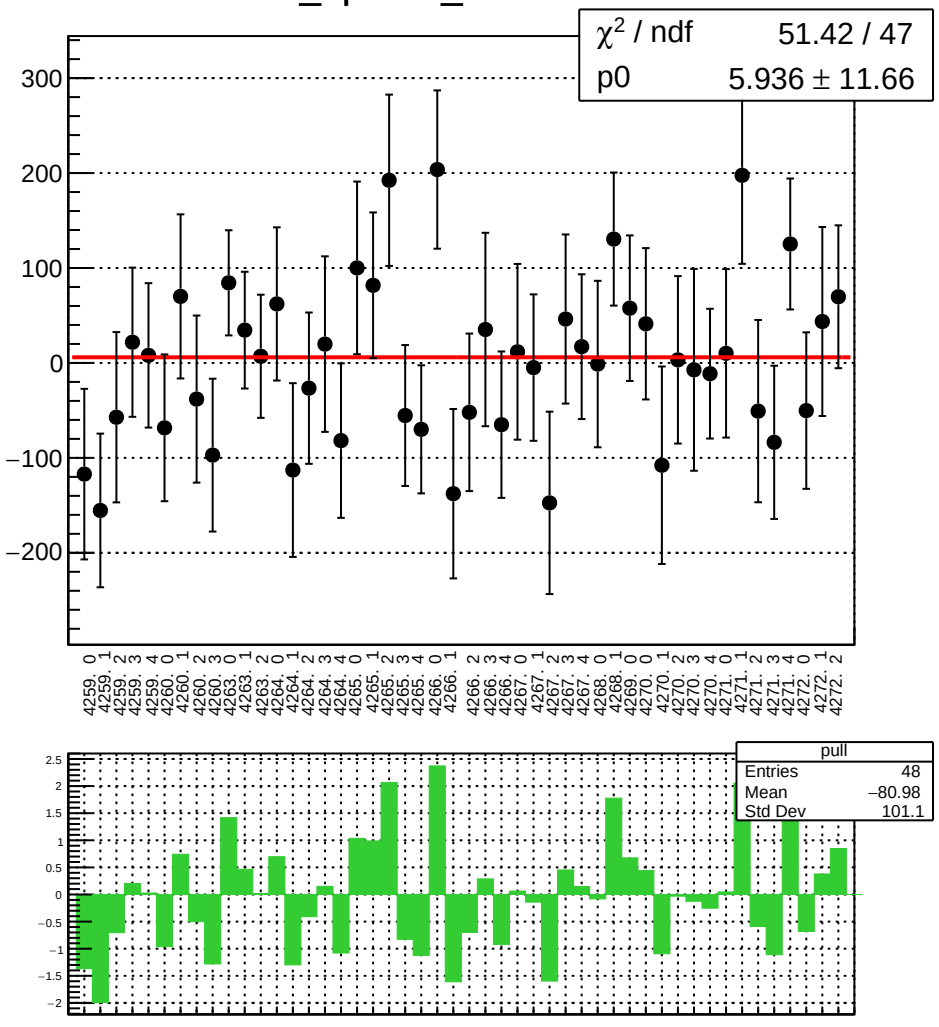

diff_bpm4ecY_mean vs run
χ^2 / ndf 44.12 / 47
p0 1.968 ± 7.963
200
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −110.5
Std Dev 129.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean −0.02429
Std Dev 0.9584
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

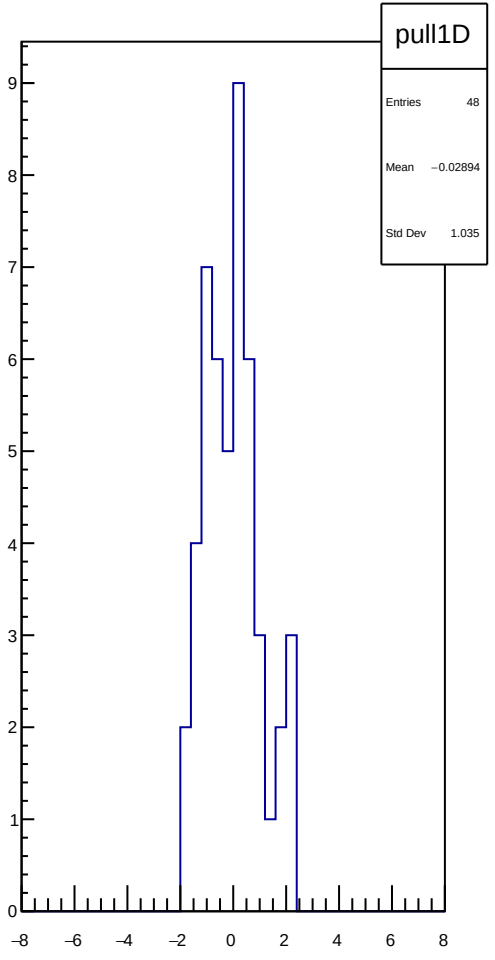

diff_bpm4ecY_rms vs run
χ² / ndf 9687 / 47
p0 5518 ± 5.63
7000
6500
6000
5500
5000
4500
4000
3500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

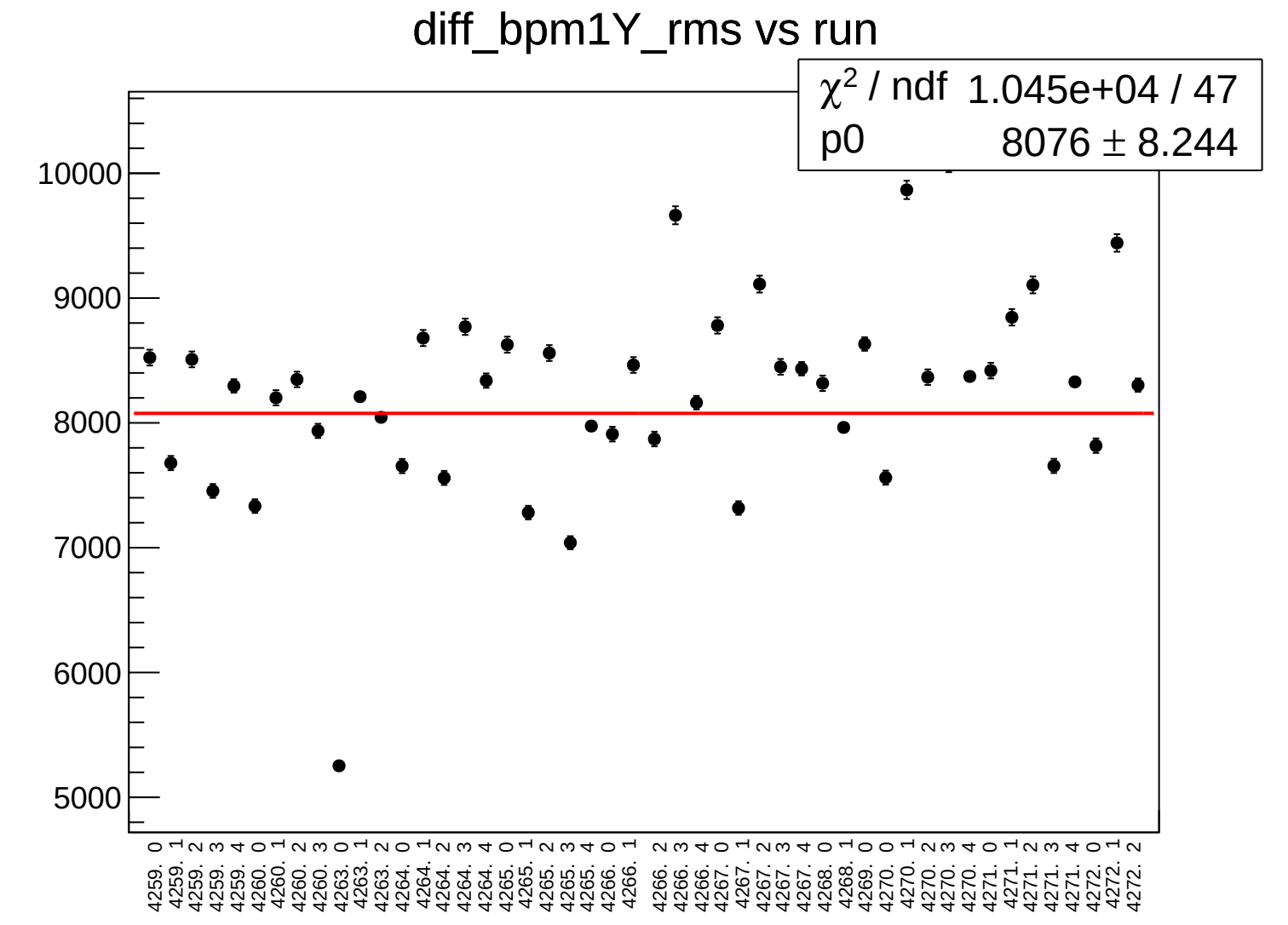

diff_bpm1X_mean vs run
χ² / ndf 56.32 / 47
p0 −2.55 ± 12.21
pull
Entries 48
Mean 299
Std Dev 277.2

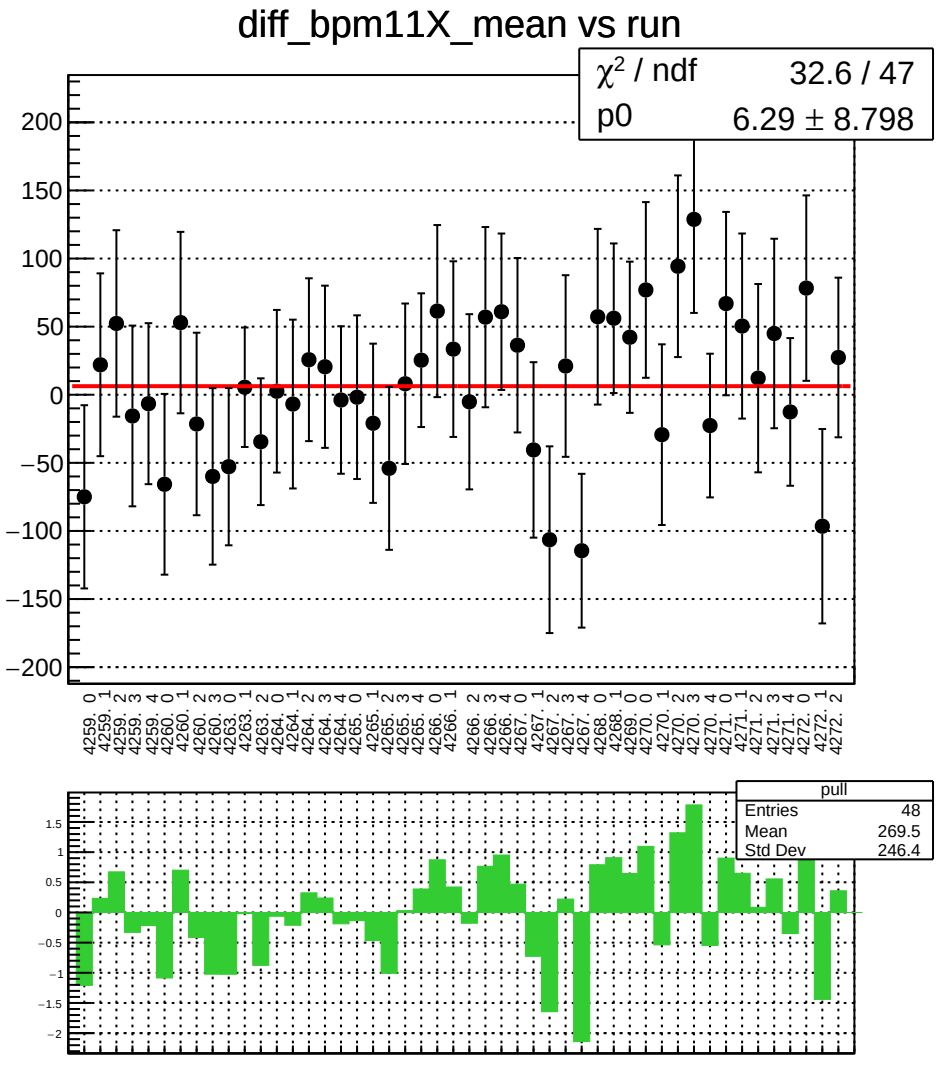

pull1D
Entries 48
Mean 0.00747
Std Dev 1.083

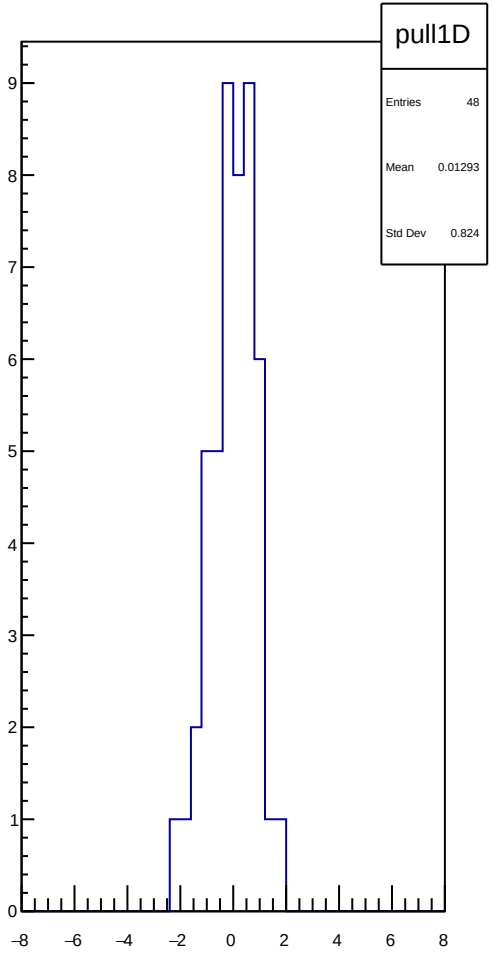

diff_bpm1X_rms vs run
χ² / ndf 920.6 / 47
p0 8500 ± 8.634
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

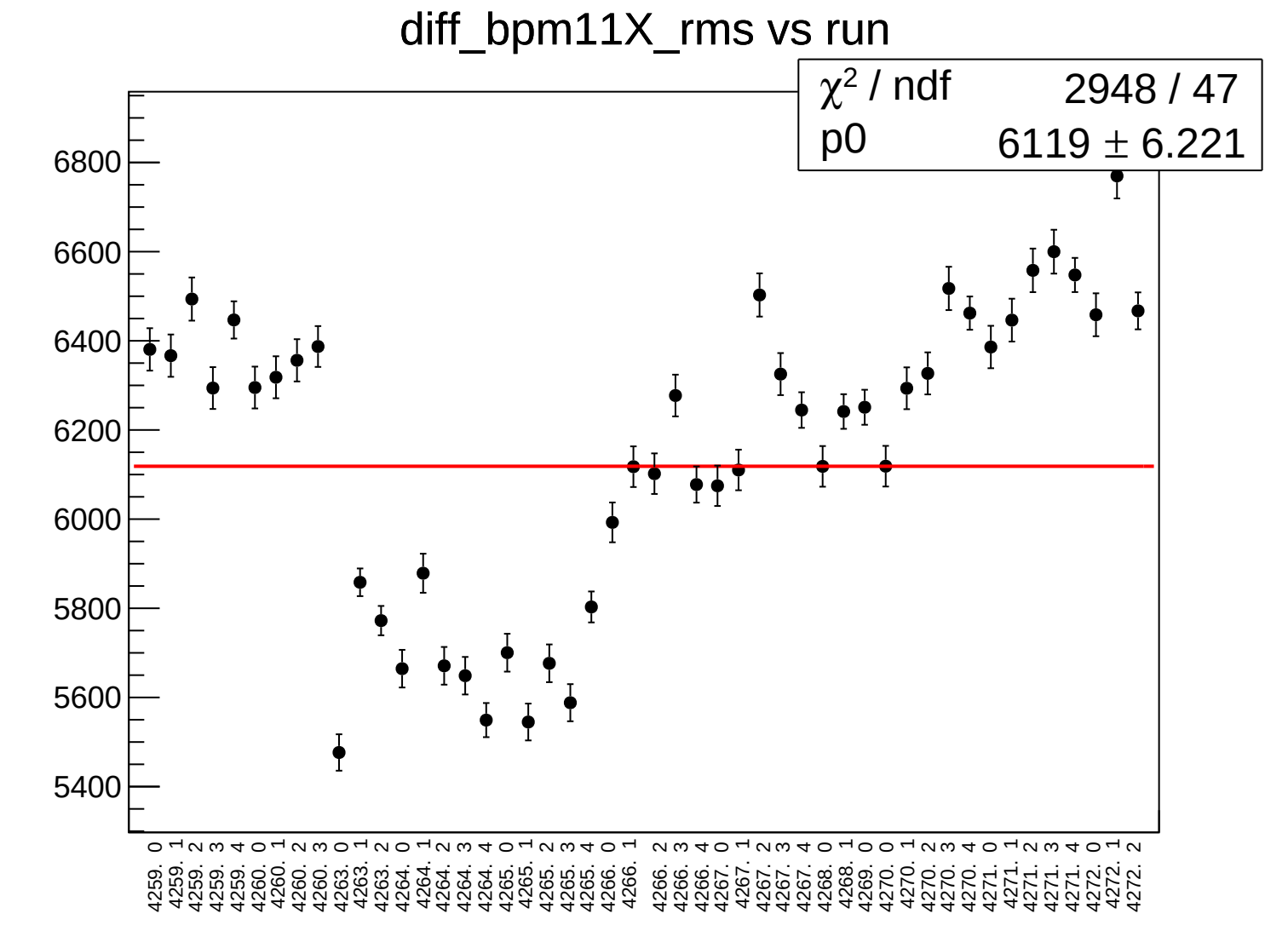

diff_bpm1Y_mean vs run
χ^2 / ndf 51.42 / 47
p0 5.936 ± 11.66
pull
Entries 48
Mean −80.98
Std Dev 101.1

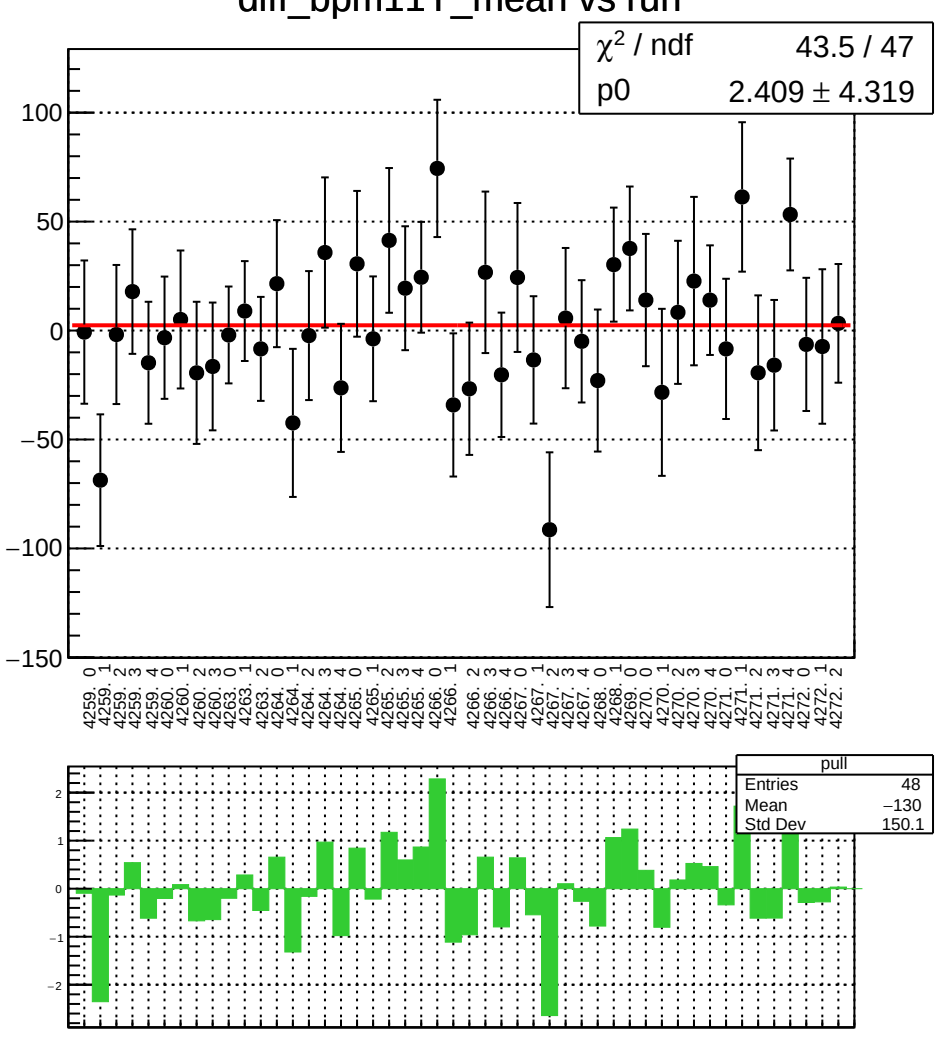

pull1D
Entries 48
Mean −0.02894
Std Dev 1.035

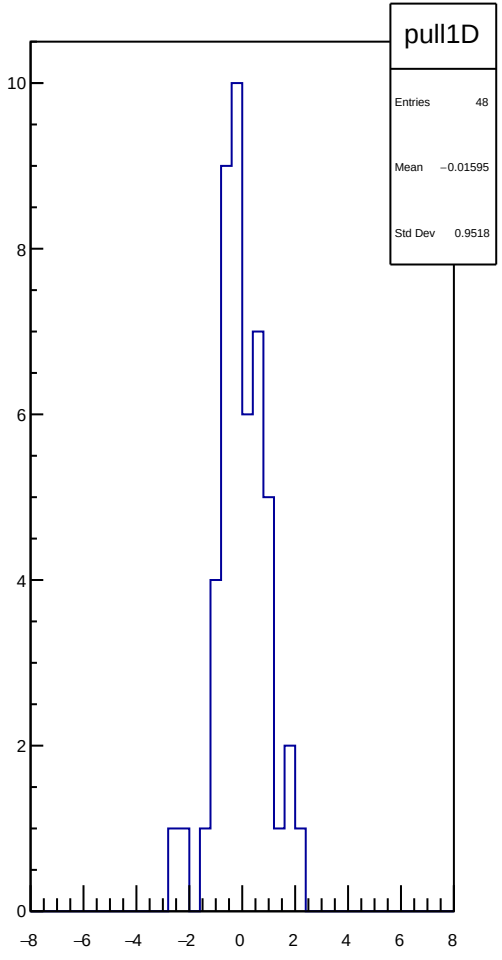

diff_bpm1Y_rms vs run
χ^2 / ndf 1.045e+04 / 47
p0 8076 ± 8.244
10000
9000
8000
7000
6000
5000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

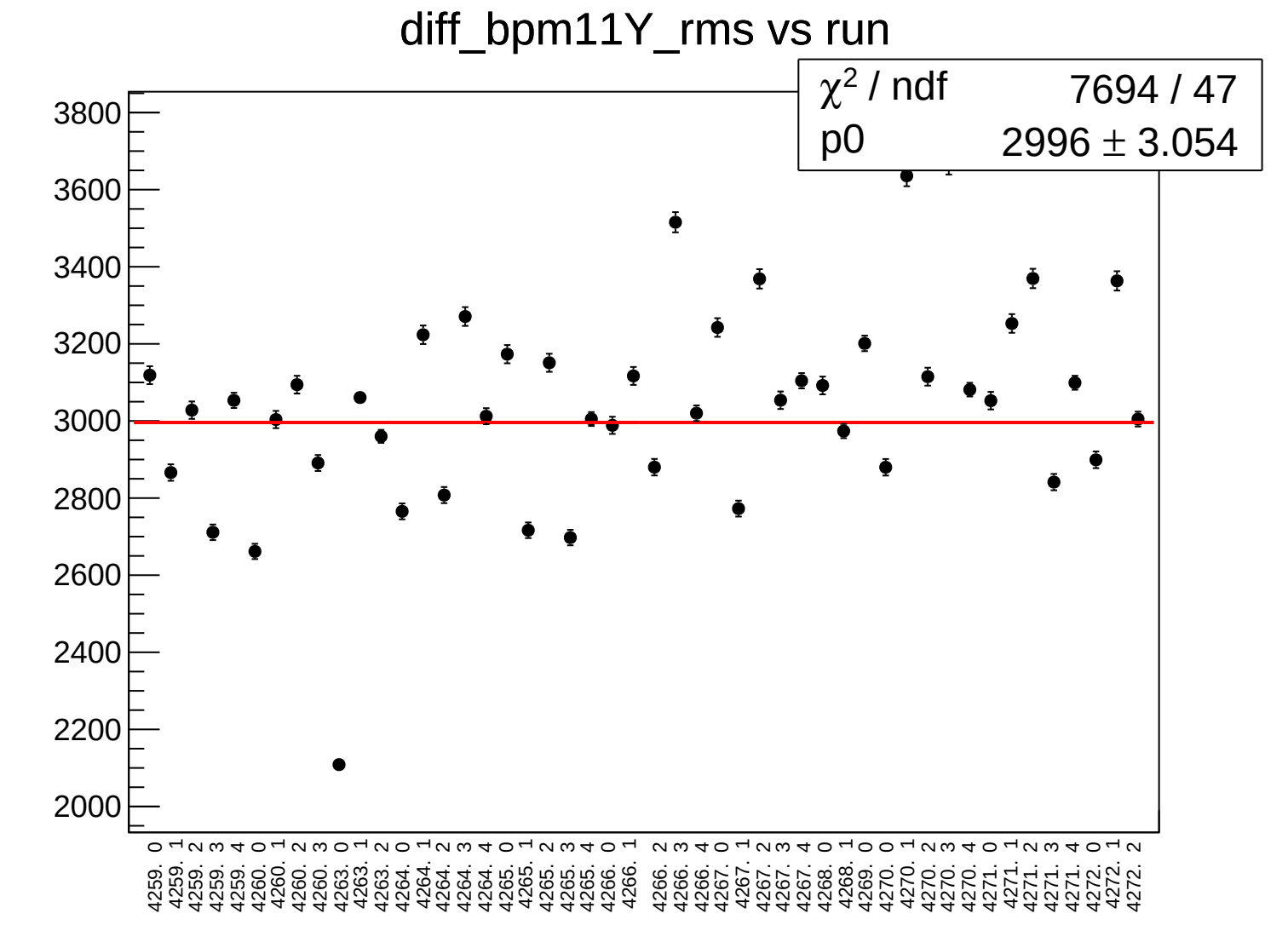

diff_bpm11X_mean vs run
χ^2 / ndf 32.6 / 47
p0 6.29 ± 8.798
pull
Entries 48
Mean 269.5
Std Dev 246.4

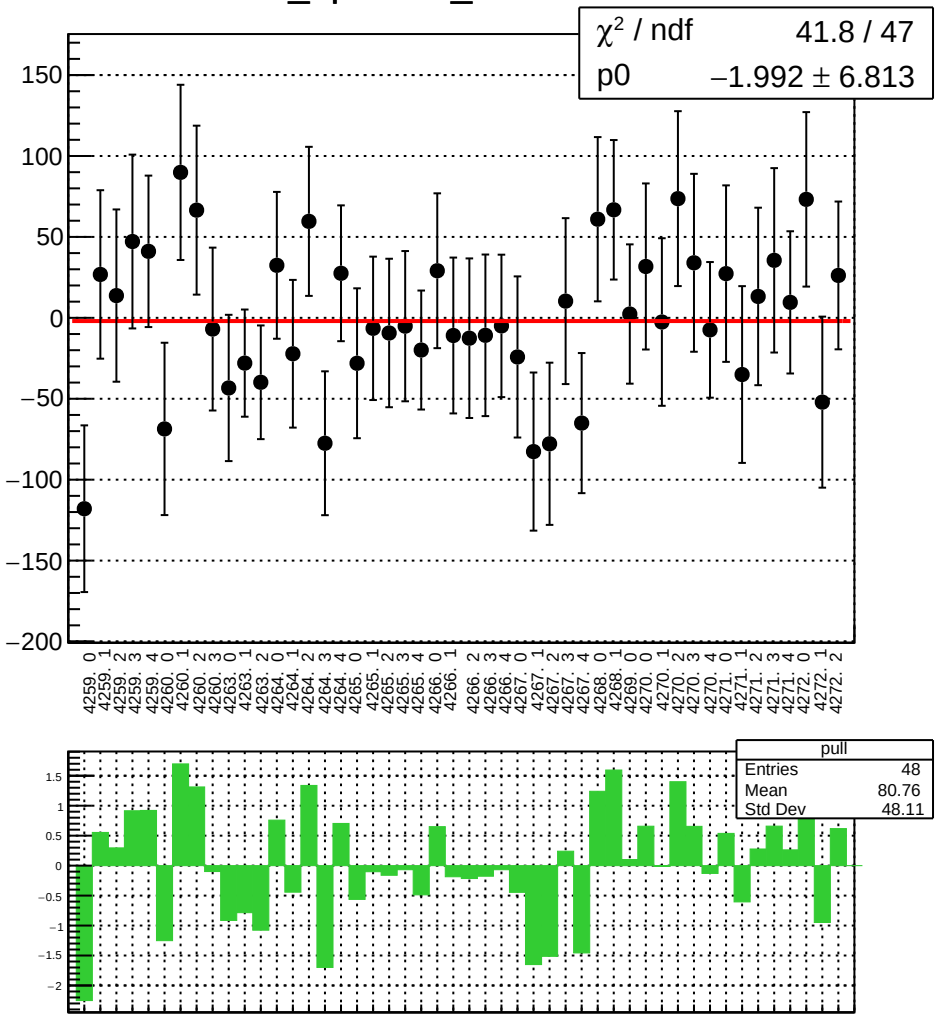

pull1D
Entries 48
Mean 0.01293
Std Dev 0.824

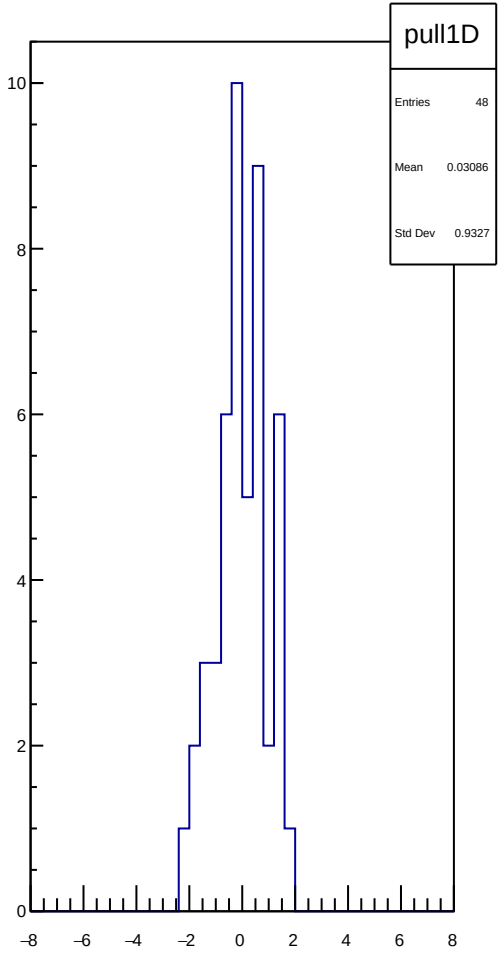

diff_bpm11X_rms vs run
χ² / ndf 2948 / 47
p0 6119 ± 6.221
6800
6600
6400
6200
6000
5800
5600
5400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

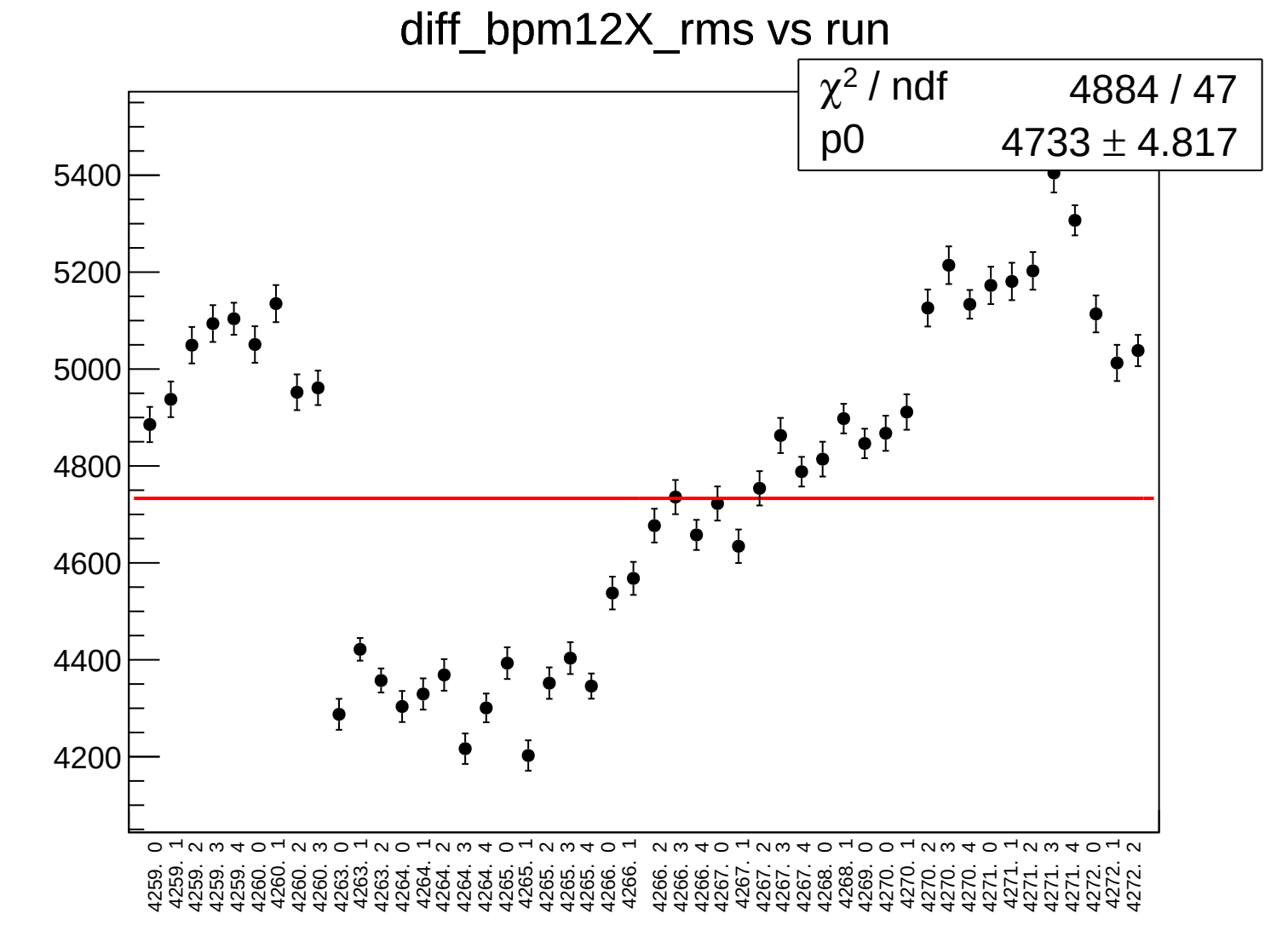

diff_bpm11Y_mean vs run
χ^2 / ndf 43.5 / 47
p0 2.409 ± 4.319
100
50
0
−50
−100
−150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −130
Std Dev 150.1
2
1
0
−1
−2

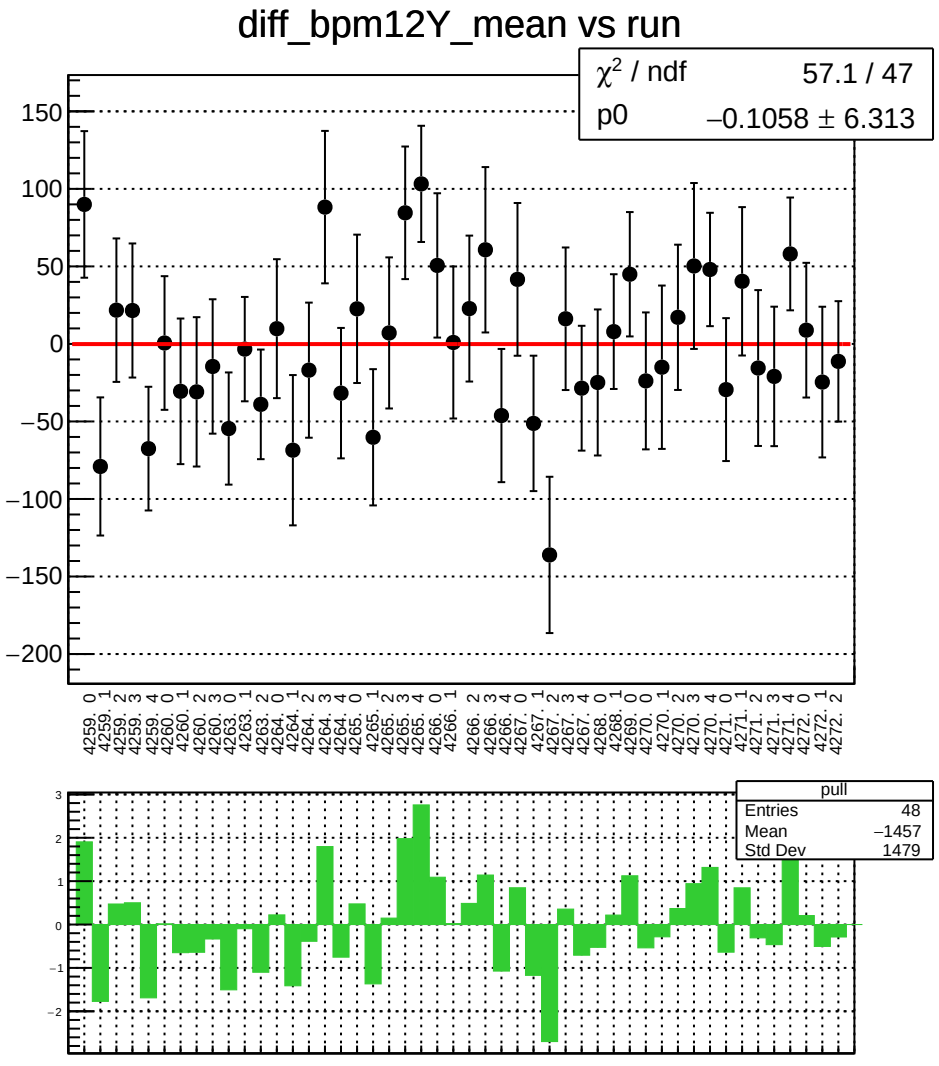

pull1D
Entries 48
Mean −0.01595
Std Dev 0.9518
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

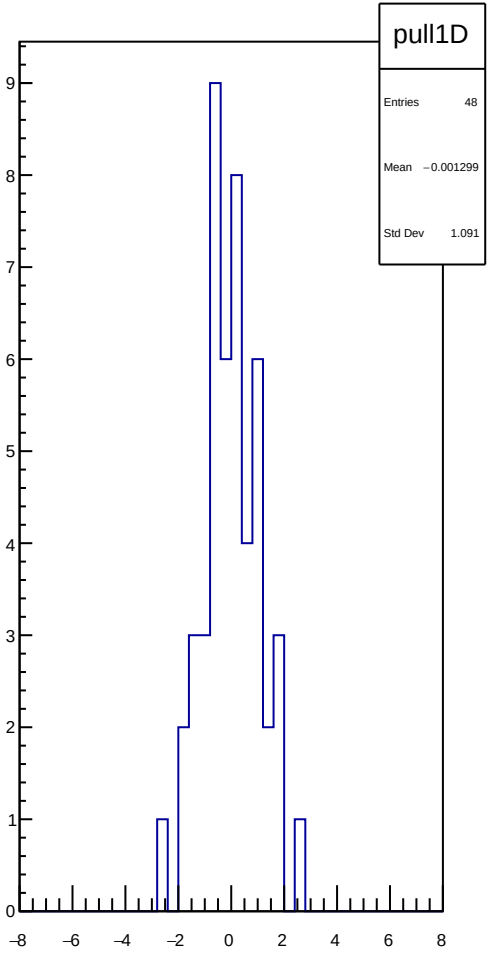

diff_bpm11Y_rms vs run
χ² / ndf 7694 / 47
p0 2996 ± 3.054
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

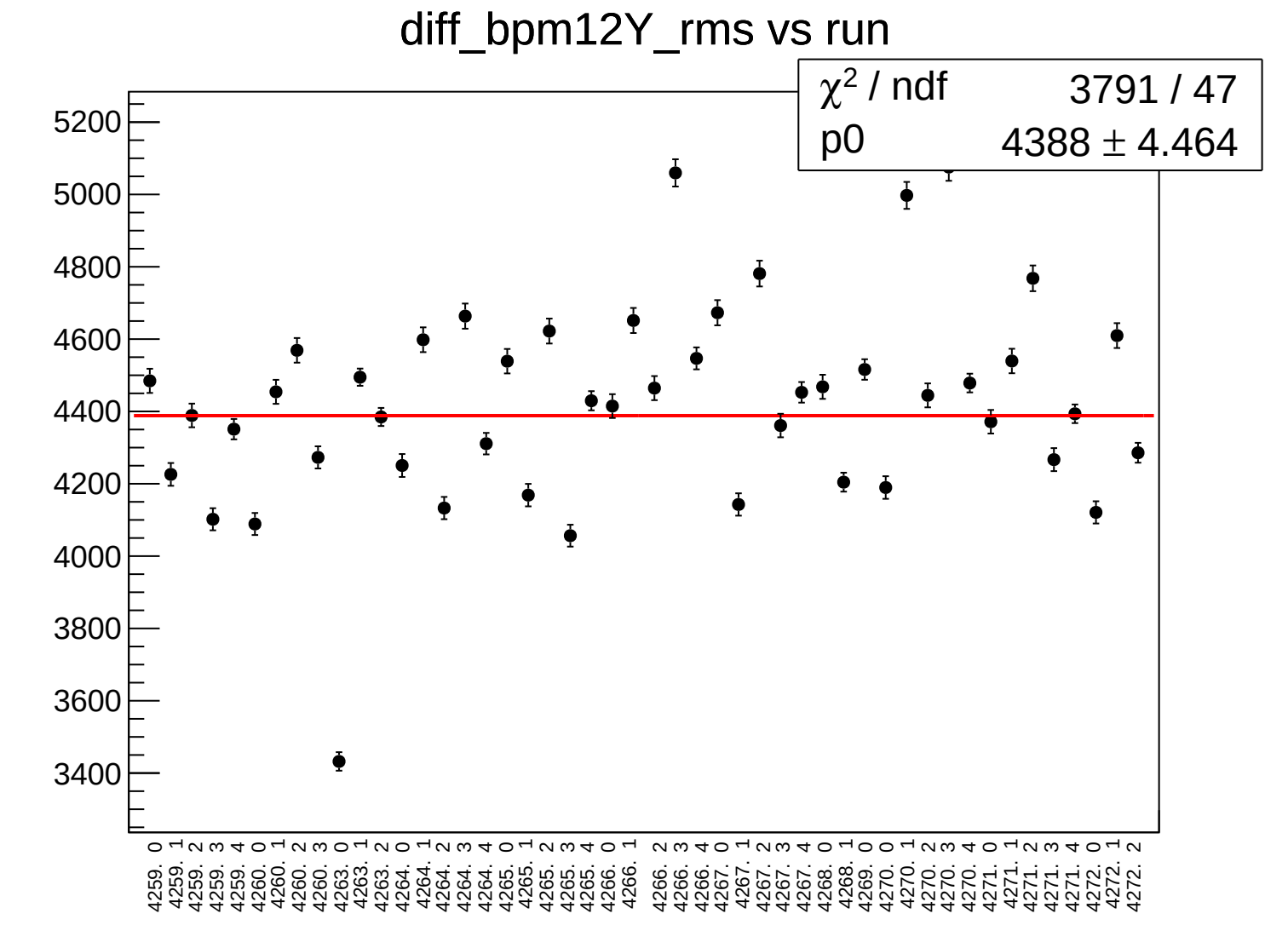

diff_bpm12X_mean vs run
χ² / ndf 41.8 / 47
p0 −1.992 ± 6.813
pull
Entries 48
Mean 80.76
Std Dev 48.11

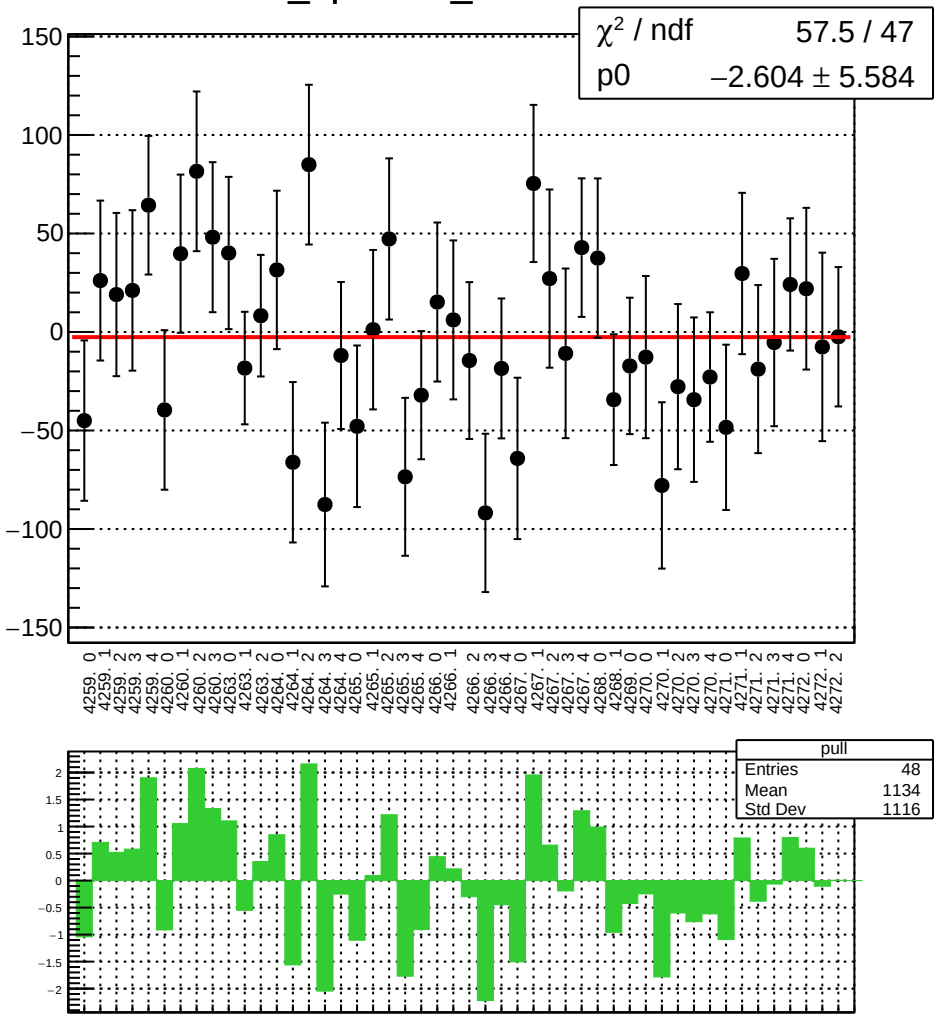

pull1D
Entries 48
Mean 0.03086
Std Dev 0.9327

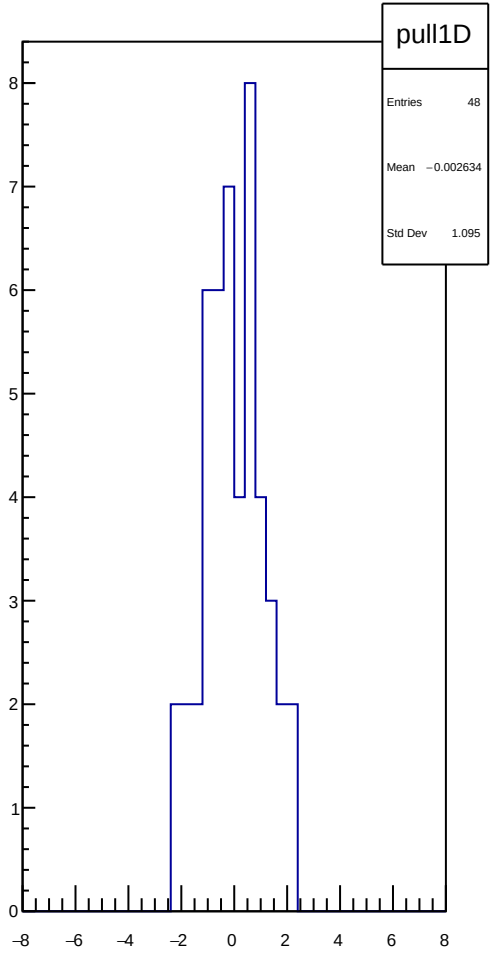

diff_bpm12X_rms vs run
χ² / ndf 4884 / 47
p0 4733 ± 4.817
5400
5200
5000
4800
4600
4400
4200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

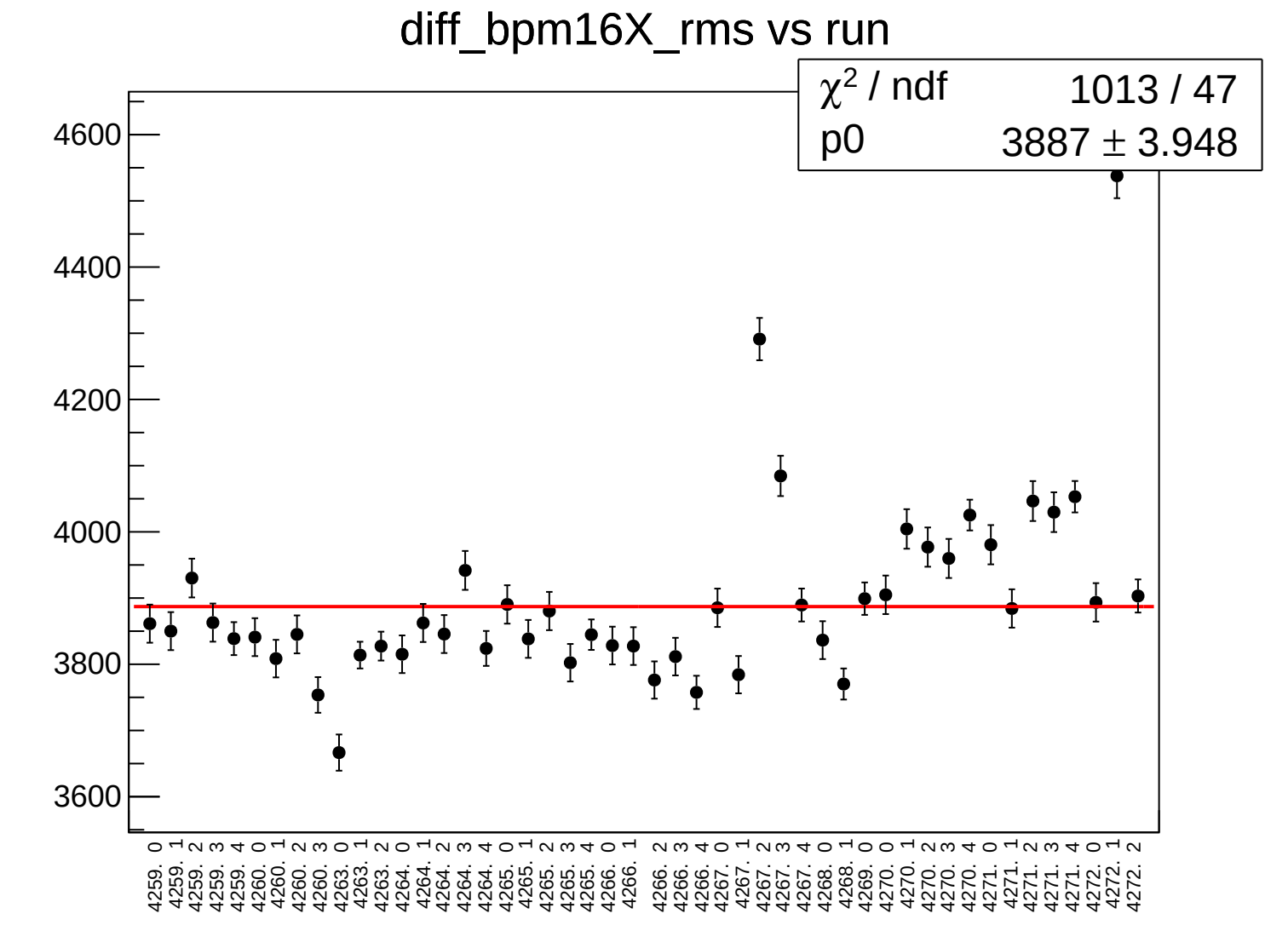

diff_bpm12Y_mean vs run
χ² / ndf 57.1 / 47
p0 −0.1058 ± 6.313
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1457
Std Dev 1479
3
2
1
0
−1
−2

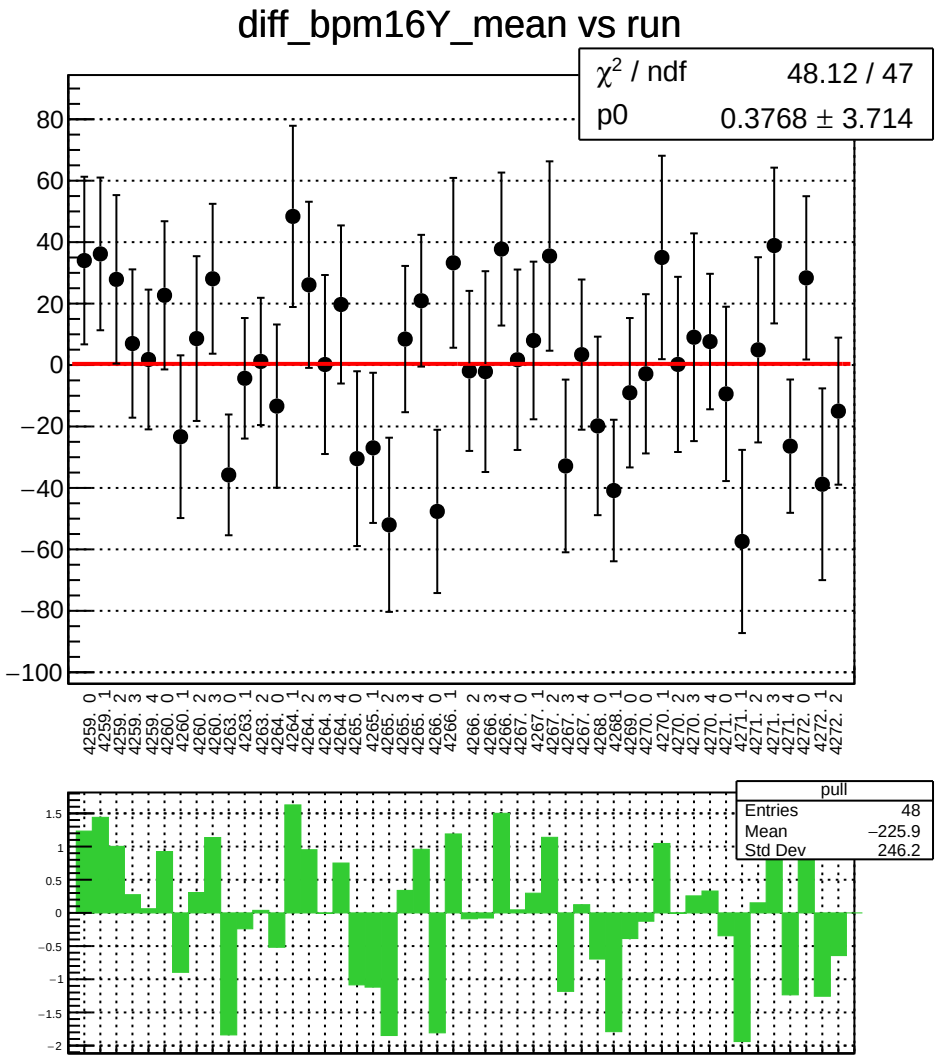

pull1D
Entries 48
Mean −0.001299
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

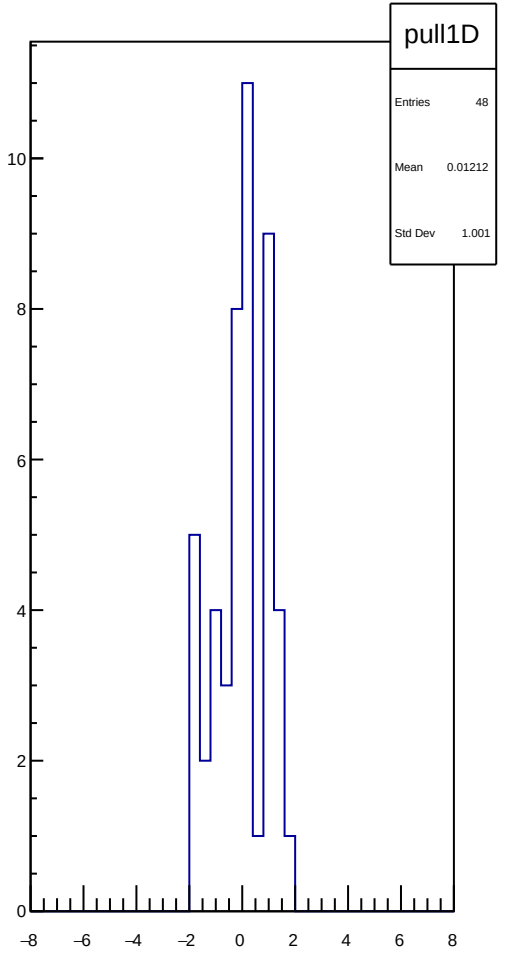

diff_bpm12Y_rms vs run
χ² / ndf 3791 / 47
p0 4388 ± 4.464
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

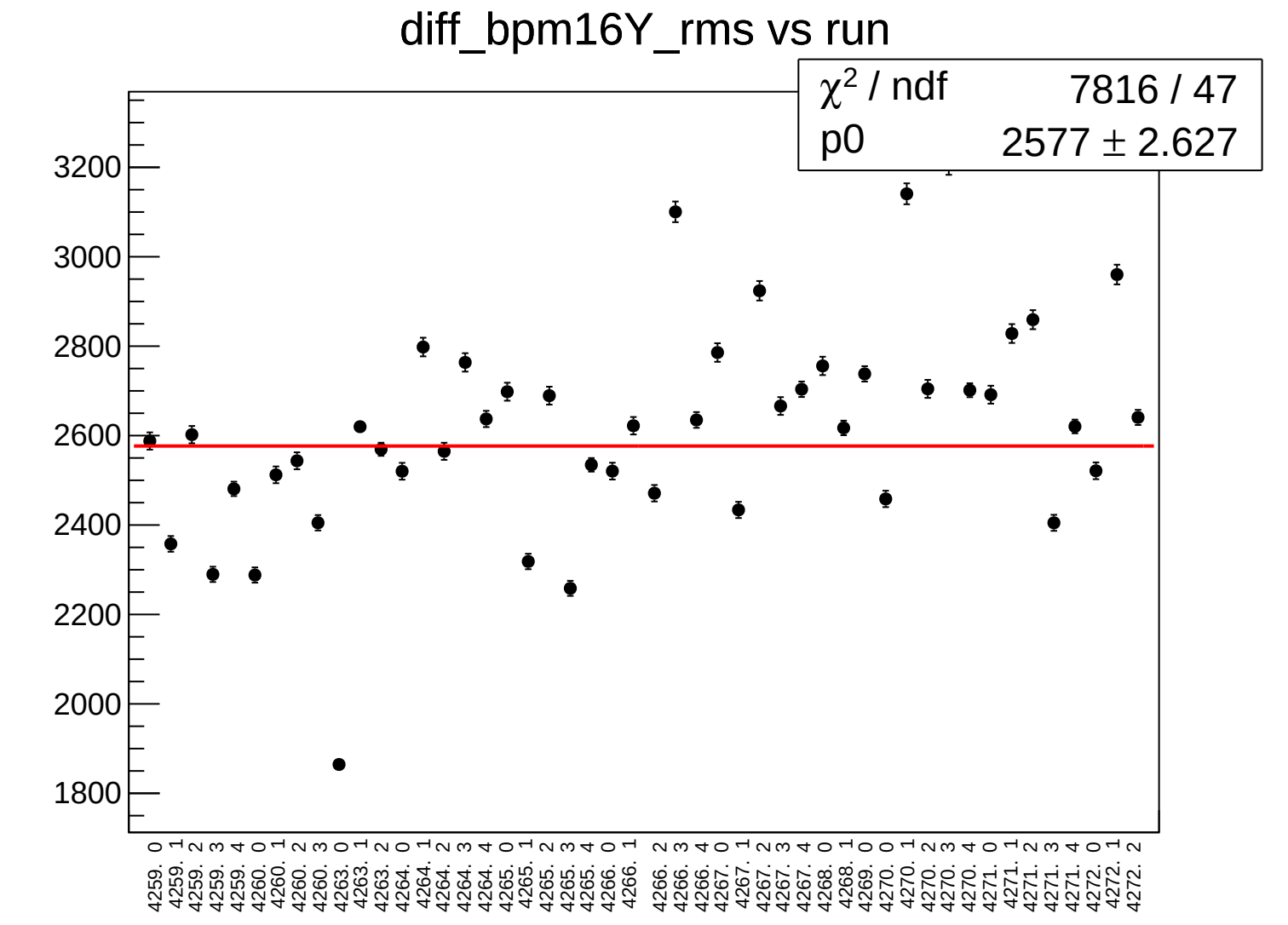

diff_bpm16X_mean vs run
χ² / ndf 57.5 / 47
p0 −2.604 ± 5.584
150
100
50
0
−50
−100
−150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1134
Std Dev 1116
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

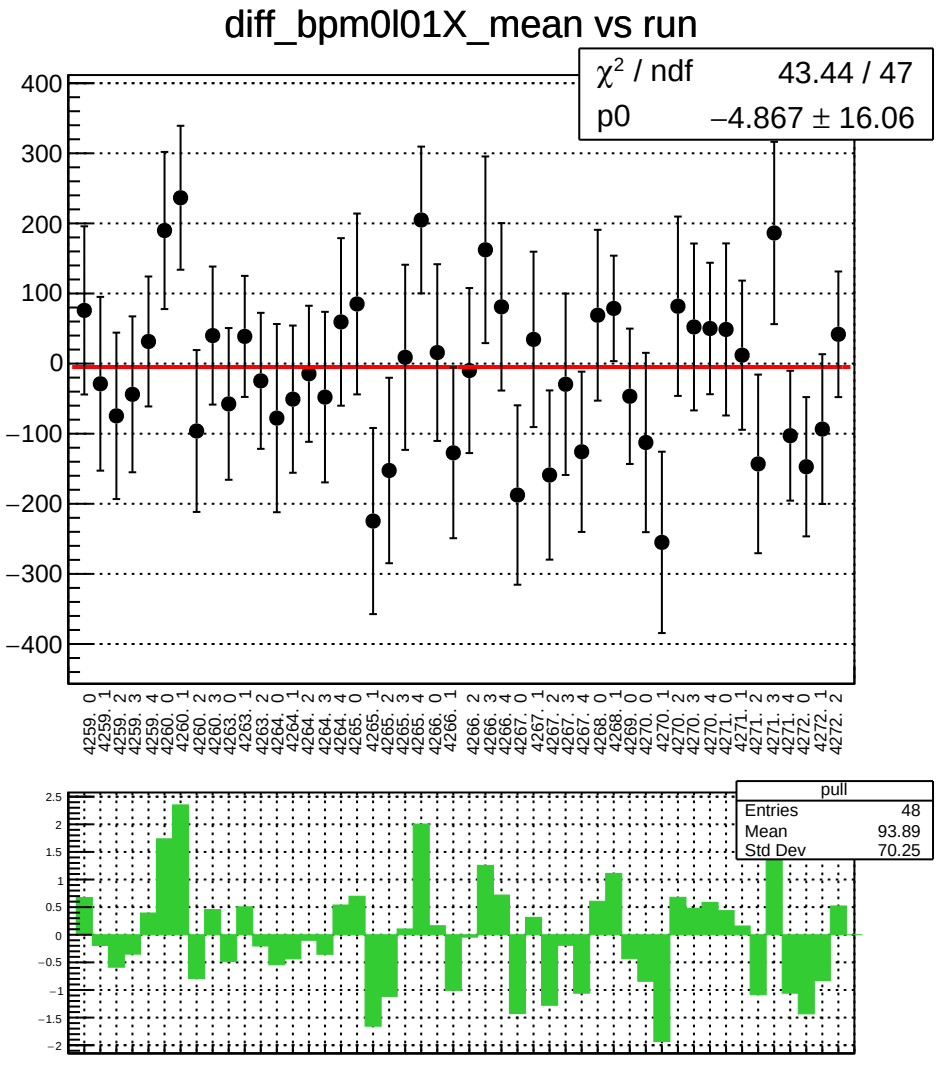

pull1D
Entries 48
Mean −0.002634
Std Dev 1.095
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

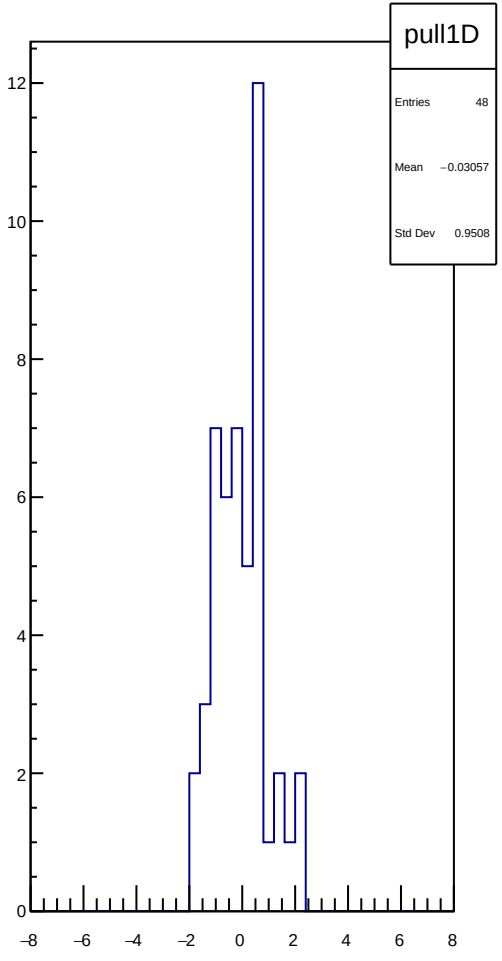

diff_bpm16X_rms vs run
χ² / ndf 1013 / 47
p0 3887 ± 3.948
4600
4400
4200
4000
3800
3600
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

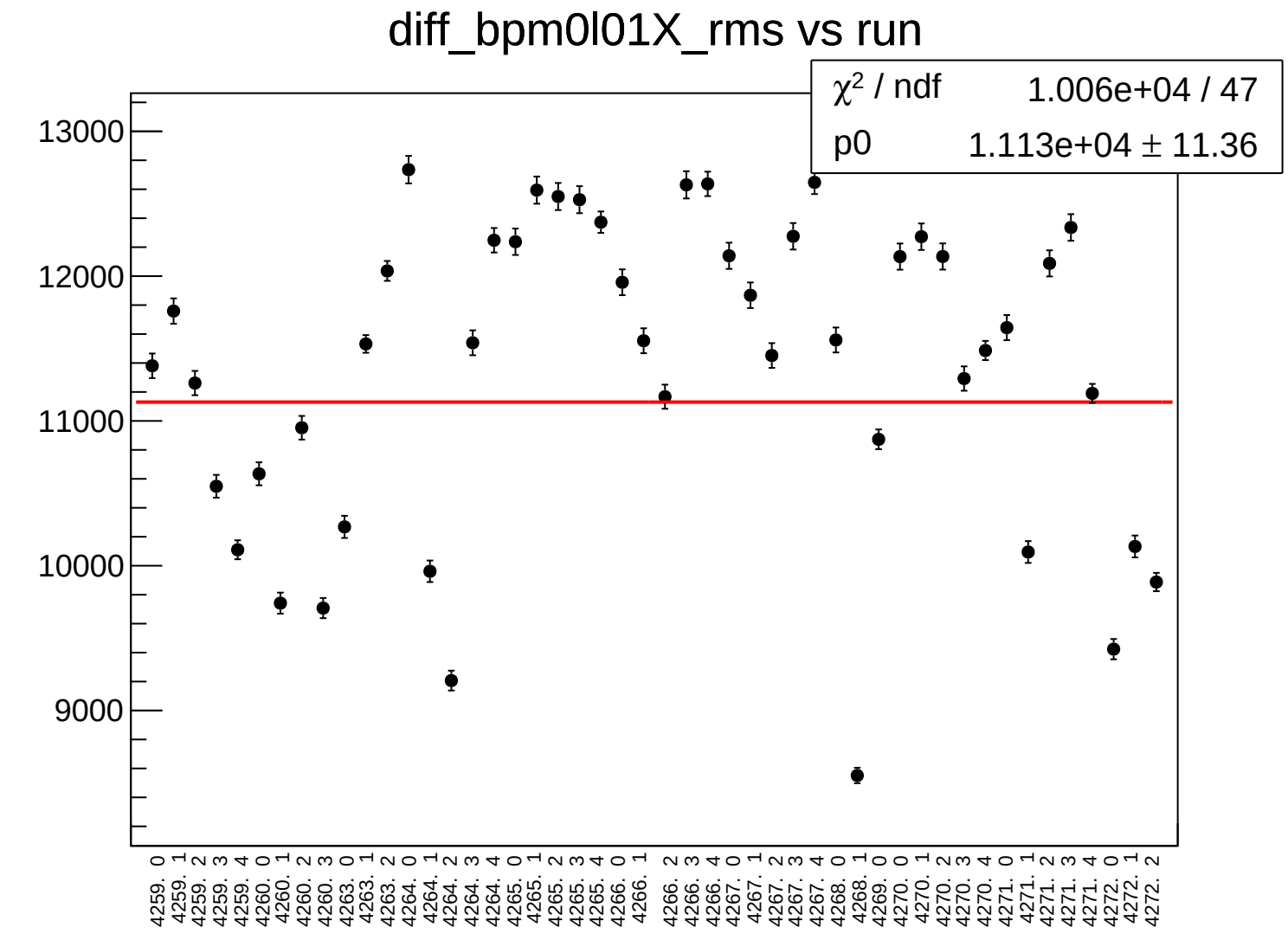

diff_bpm16Y_mean vs run
χ^2 / ndf 48.12 / 47
p0 0.3768 ± 3.714
pull
Entries 48
Mean −225.9
Std Dev 246.2

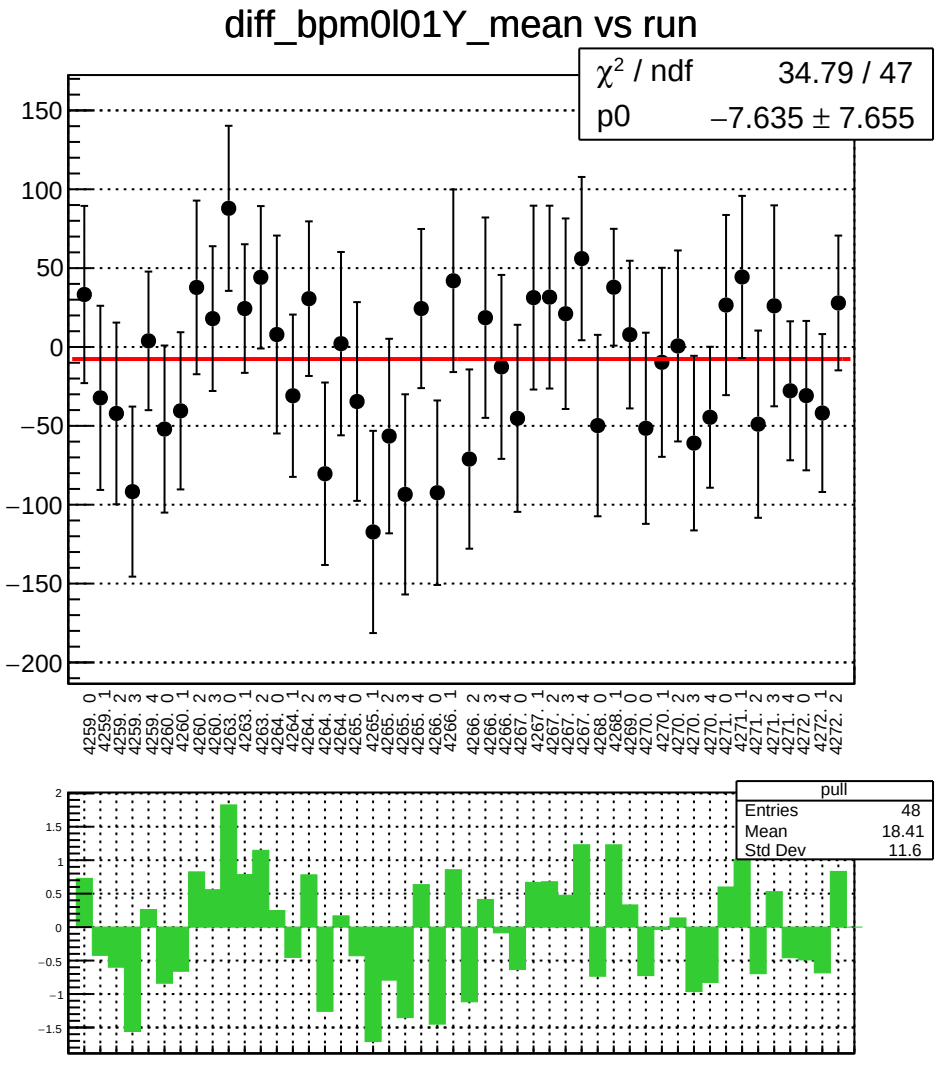

pull1D
Entries 48
Mean 0.01212
Std Dev 1.001

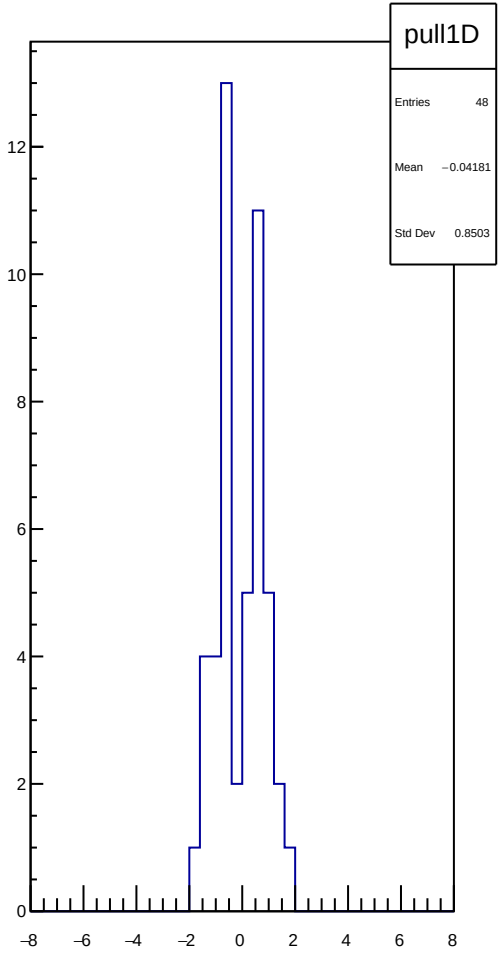

diff_bpm16Y_rms vs run
χ² / ndf 7816 / 47
p0 2577 ± 2.627
3200
3000
2800
2600
2400
2200
2000
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

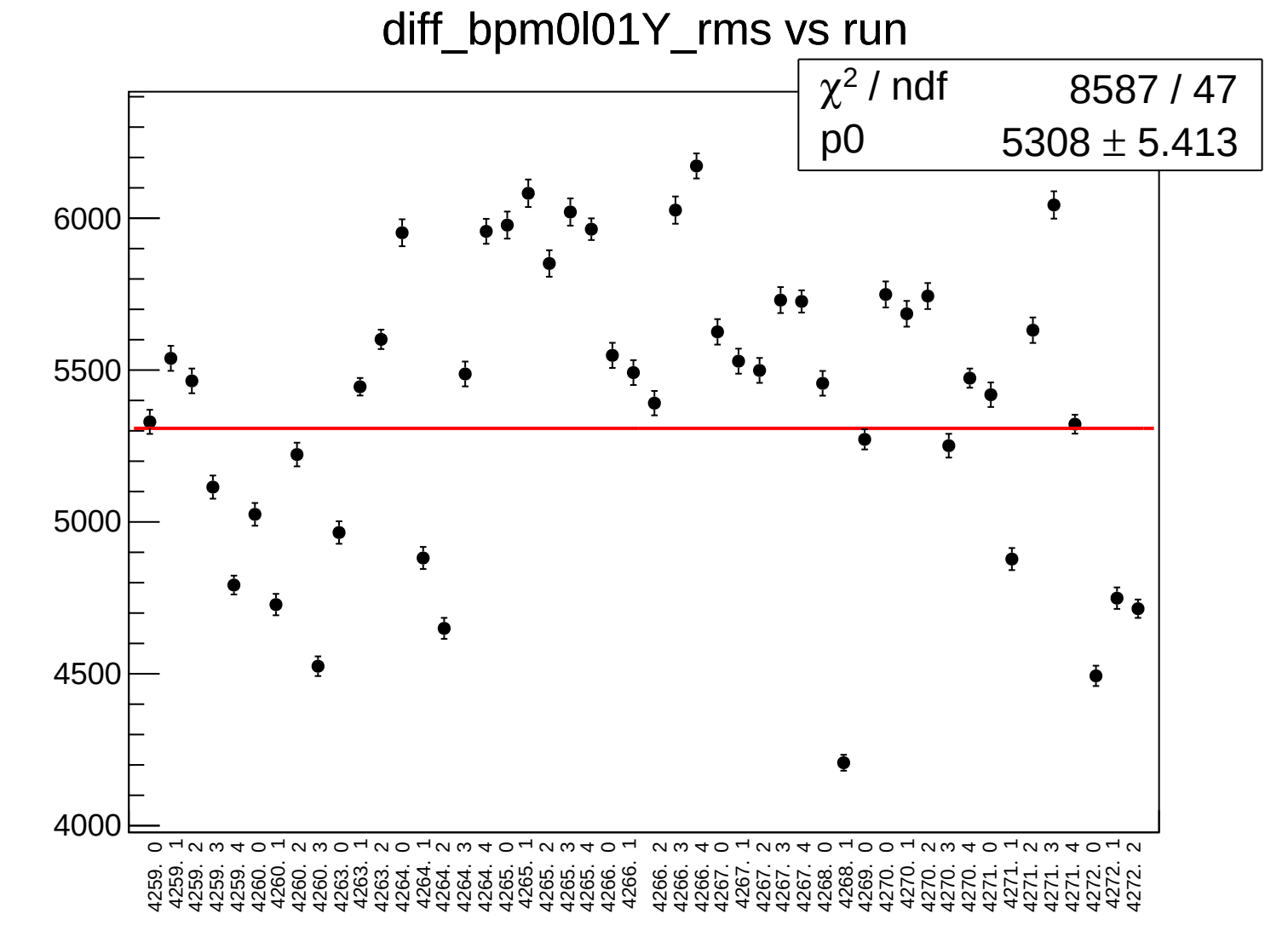

diff_bpm0l01X_mean vs run
χ² / ndf 43.44 / 47
p0 −4.867 ± 16.06
pull
Entries 48
Mean 93.89
Std Dev 70.25

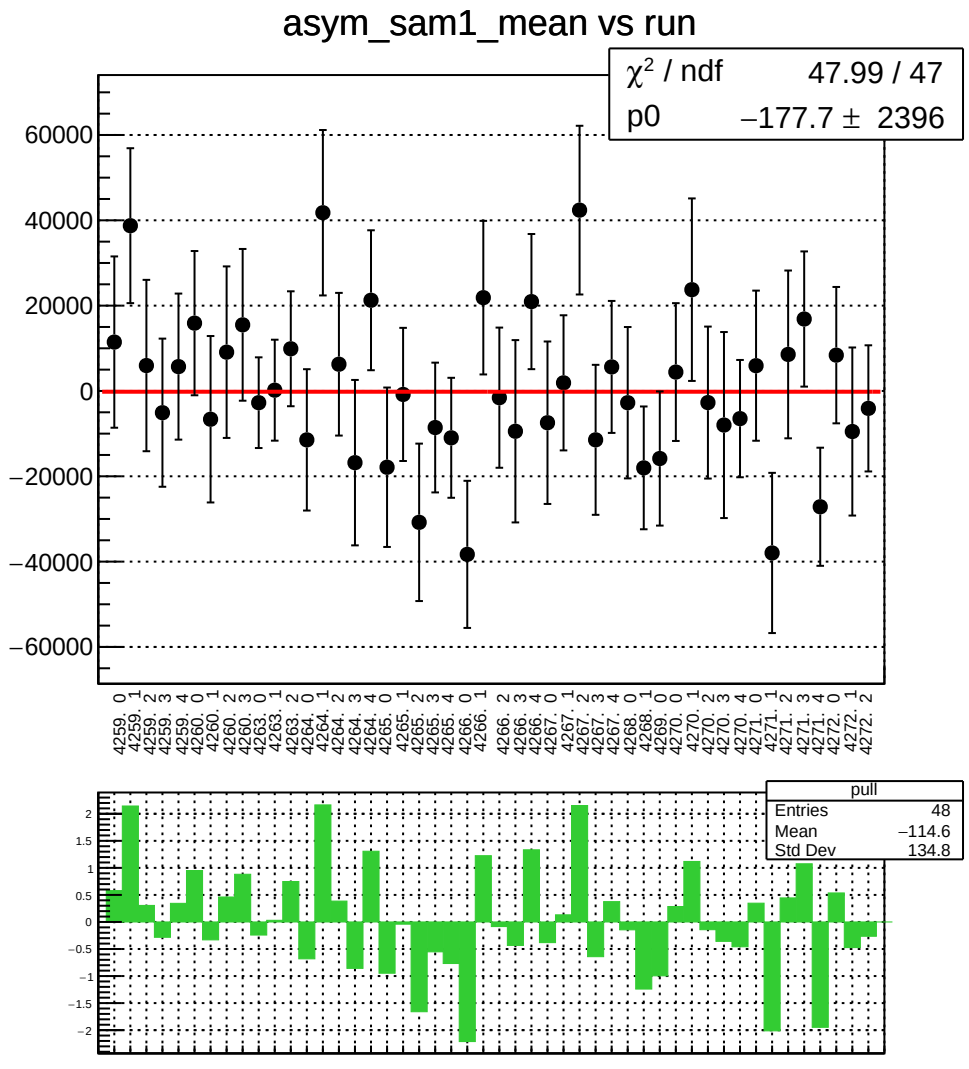

pull1D
Entries 48
Mean −0.03057
Std Dev 0.9508

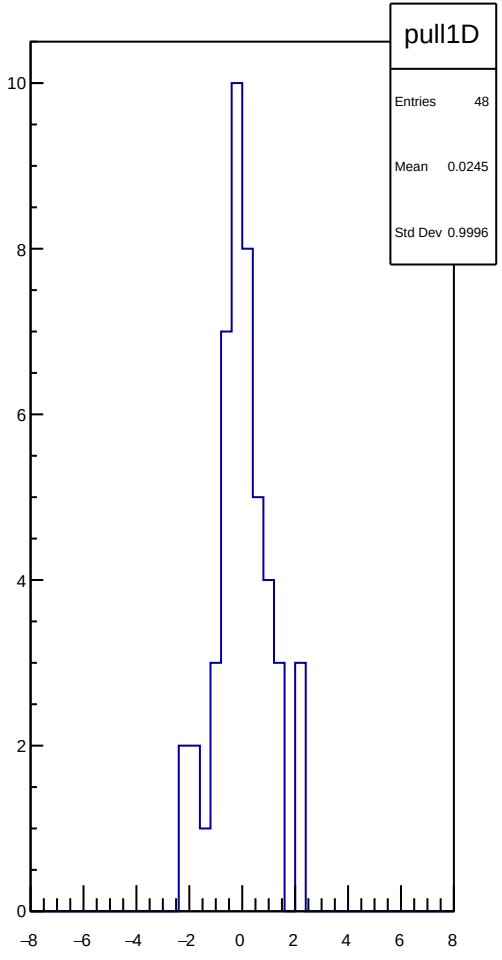

diff_bpm0l01X_rms vs run
χ² / ndf 1.006e+04 / 47
p0 1.113e+04 ± 11.36
13000
12000
11000
10000
9000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

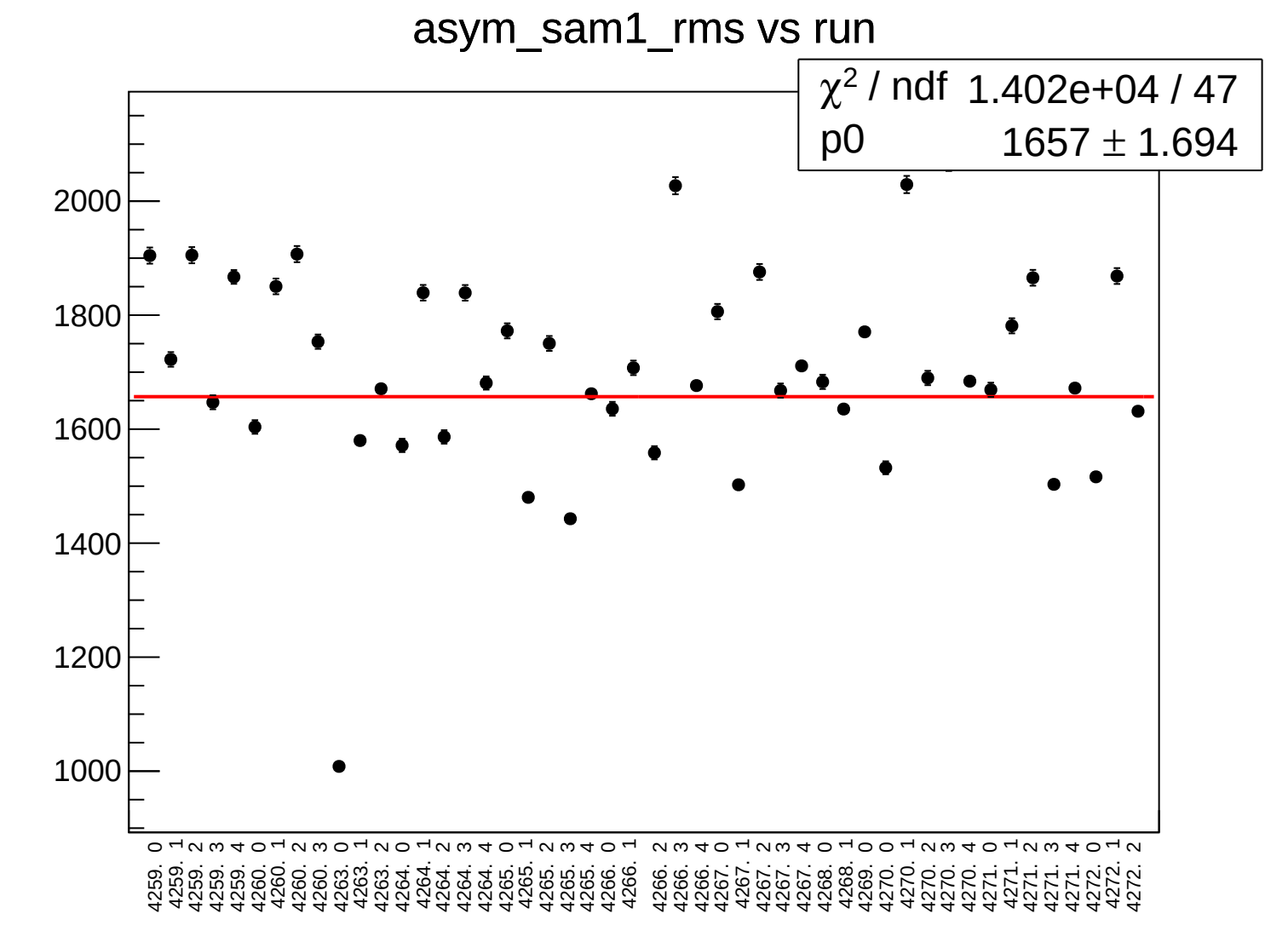

diff_bpm0l01Y_mean vs run
χ² / ndf 34.79 / 47
p0 −7.635 ± 7.655
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 18.41
Std Dev 11.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

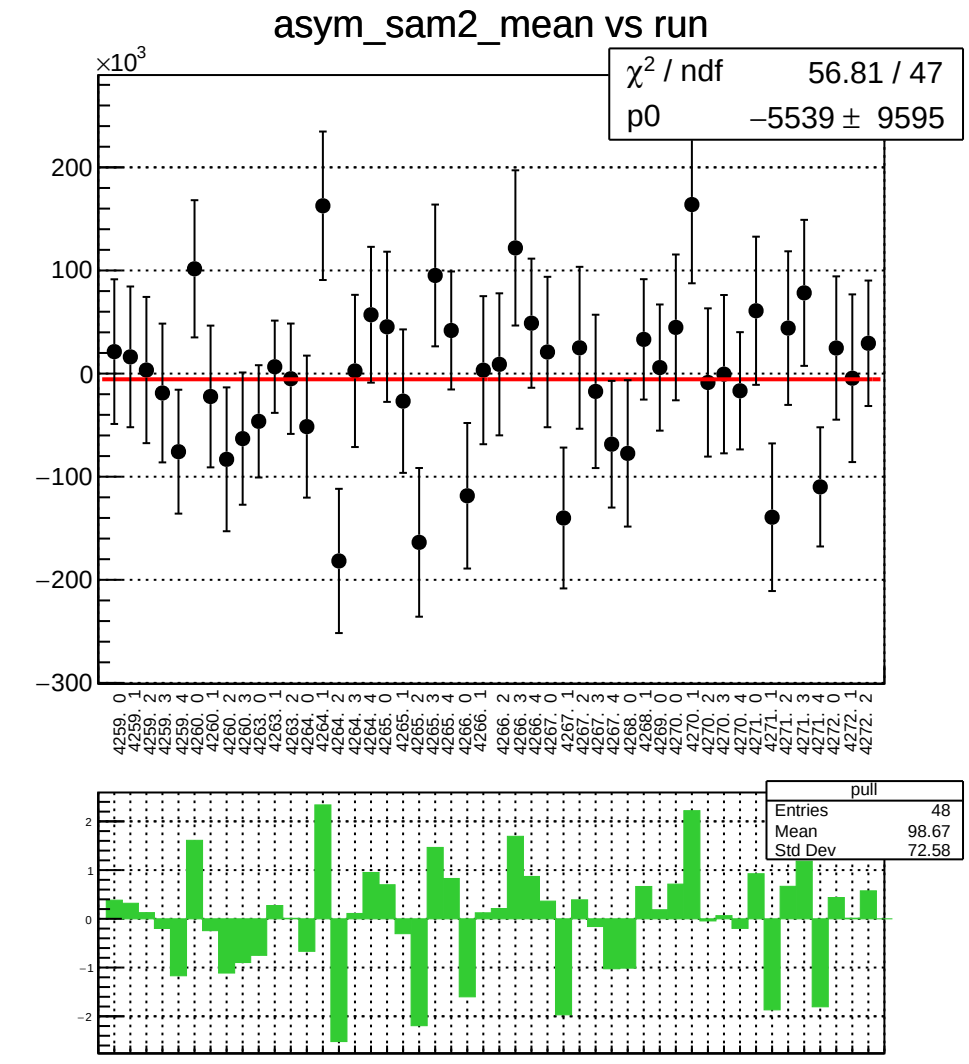

pull1D
Entries 48
Mean −0.04181
Std Dev 0.8503
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

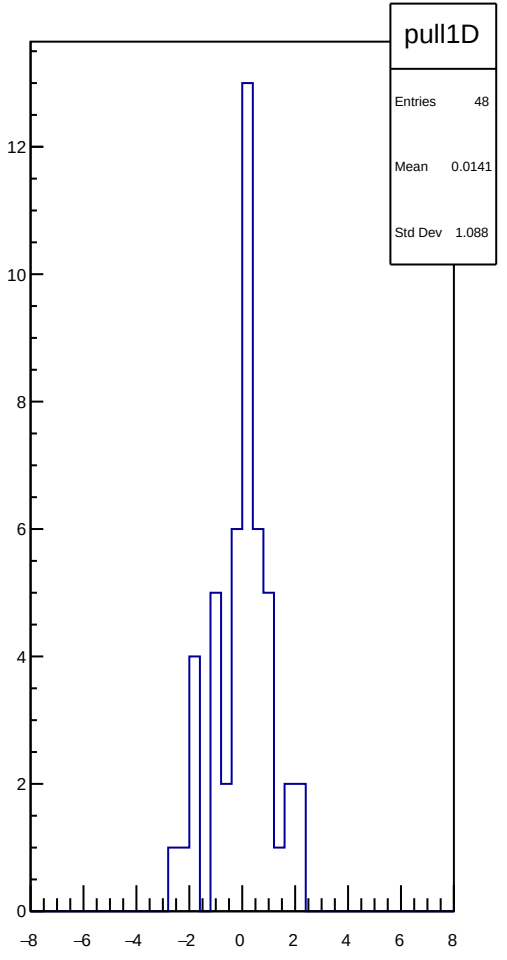

diff_bpm0l01Y_rms vs run
χ² / ndf 8587 / 47
p0 5308 ± 5.413
6000
5500
5000
4500
4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

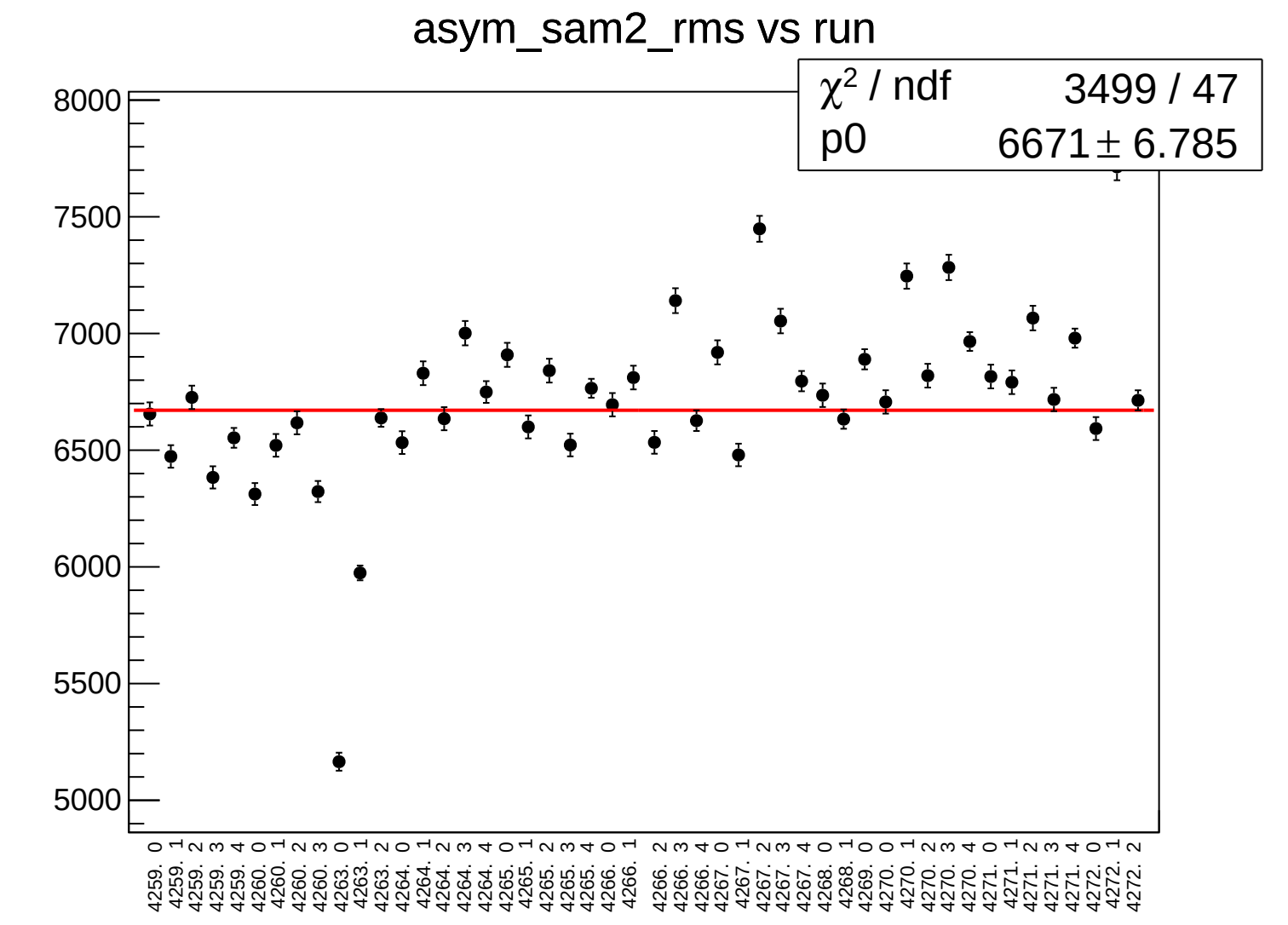

asym_sam1_mean vs run
χ² / ndf 47.99 / 47
p0 −177.7 ± 2396
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −114.6
Std Dev 134.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

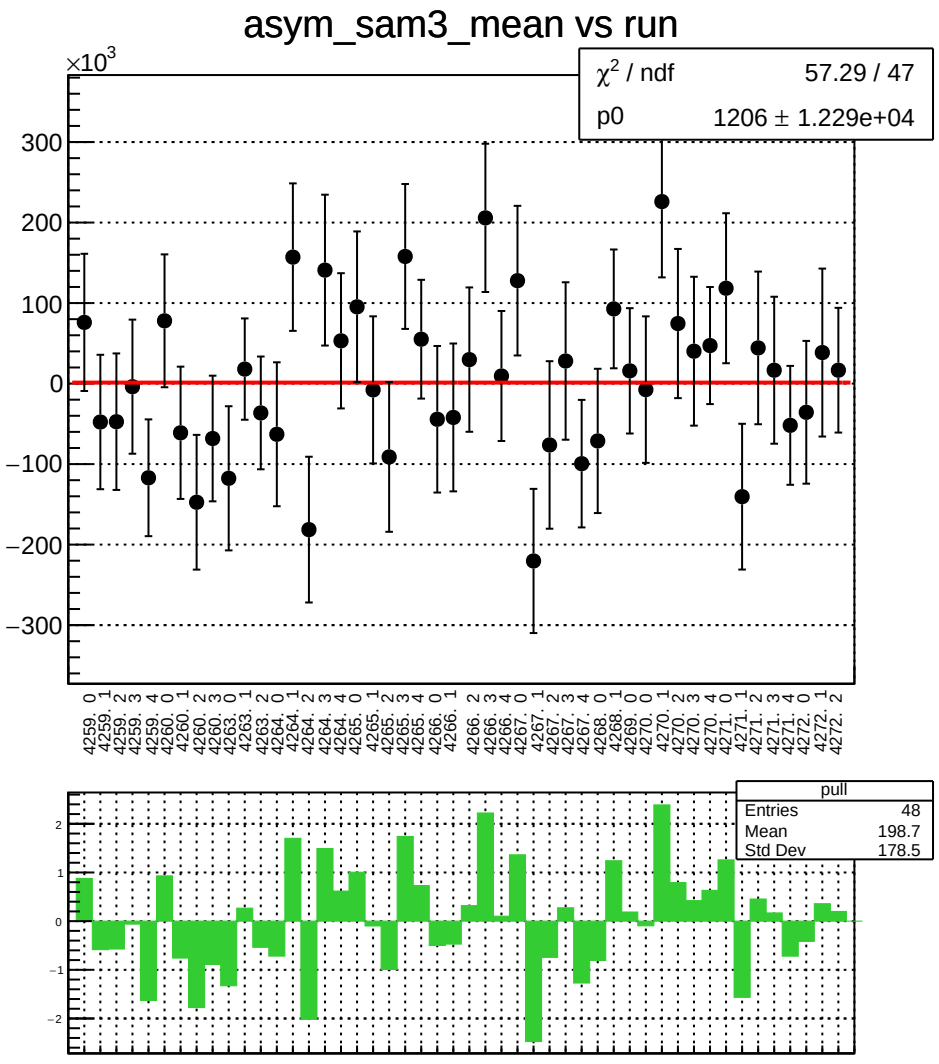

pull1D
Entries 48
Mean 0.0245
Std Dev 0.9996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

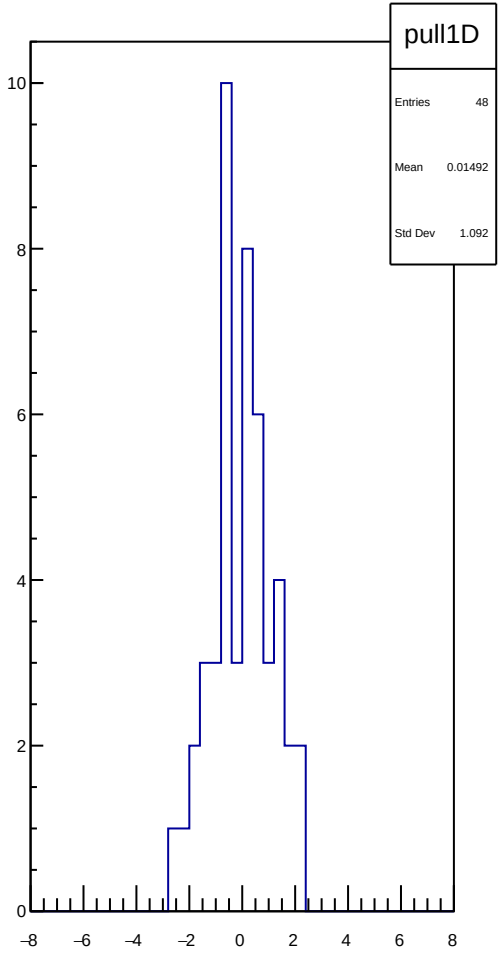

asym_sam1_rms vs run
χ² / ndf 1.402e+04 / 47
p0 1657 ± 1.694
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

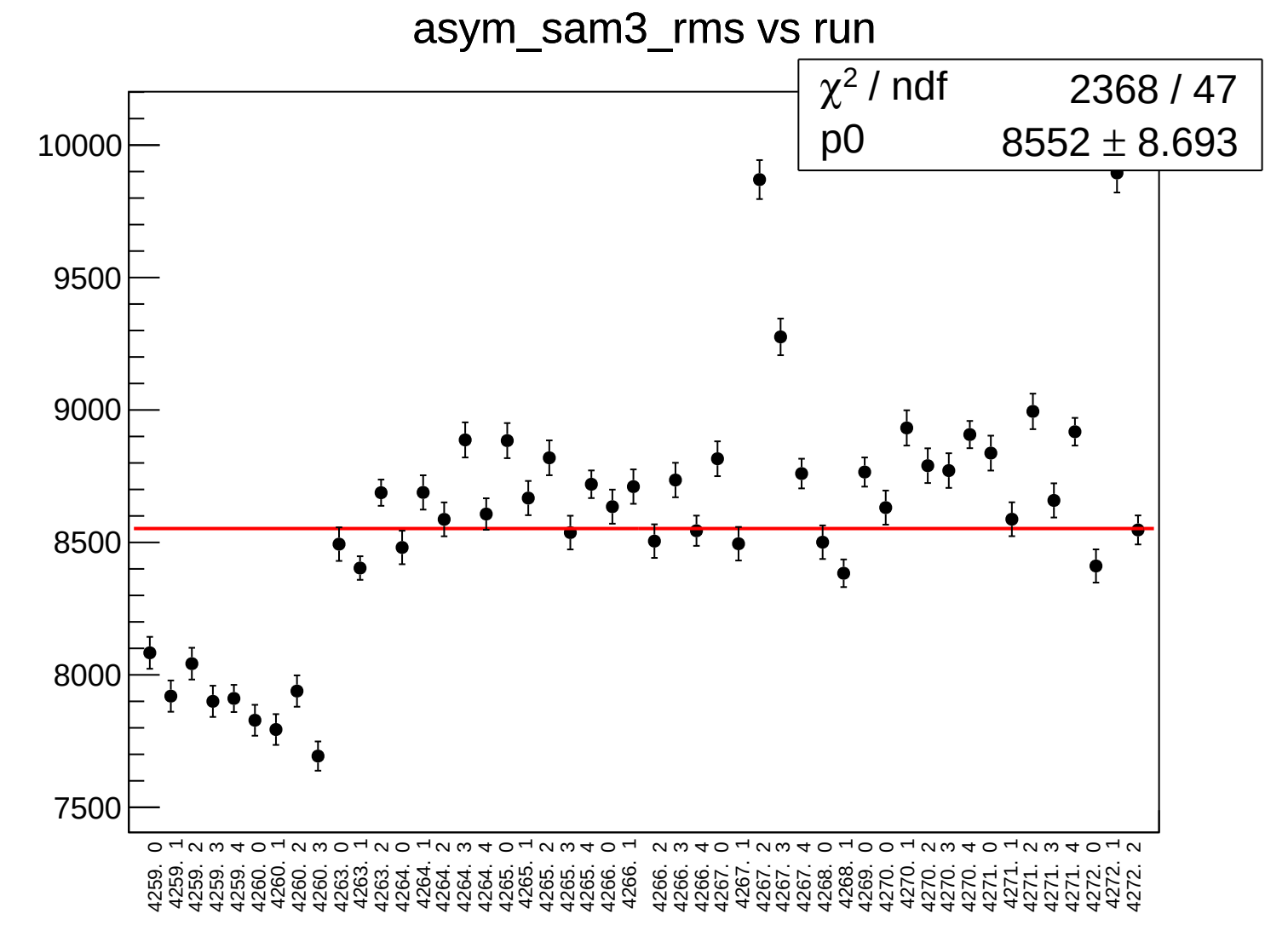

asym_sam2_mean vs run
×10^3
χ² / ndf 56.81 / 47
p0 −5539 ± 9595
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 98.67
Std Dev 72.58
2
1
0
−1
−2

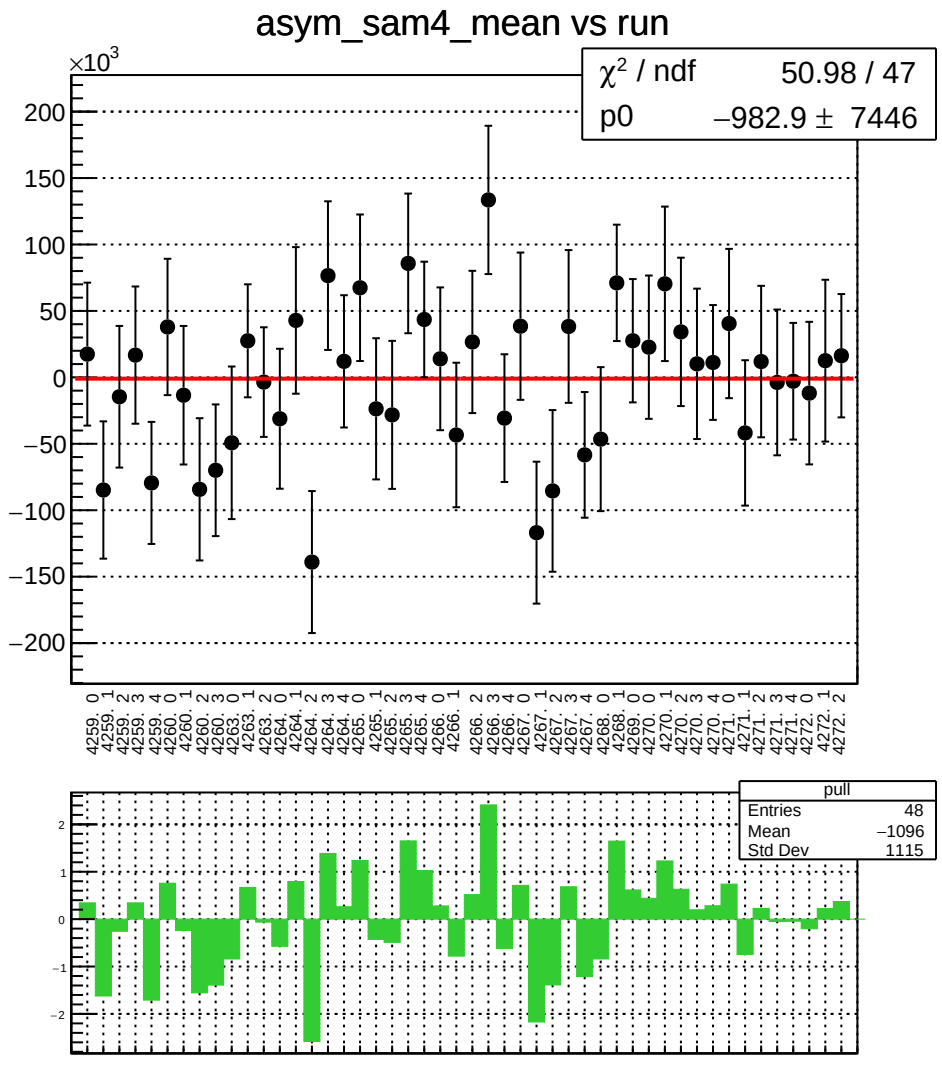

pull1D
Entries 48
Mean 0.0141
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

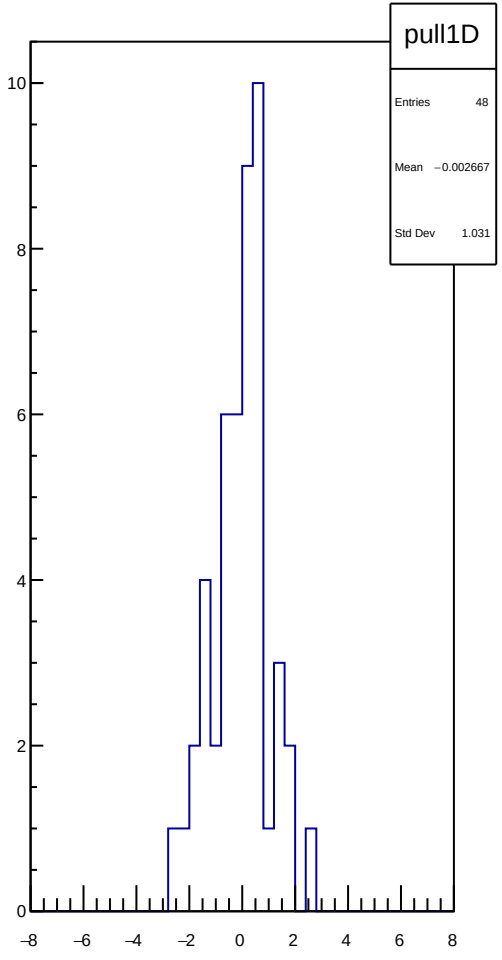

asym_sam2_rms vs run
χ² / ndf 3499 / 47
p0 6671 ± 6.785
8000
7500
7000
6500
6000
5500
5000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

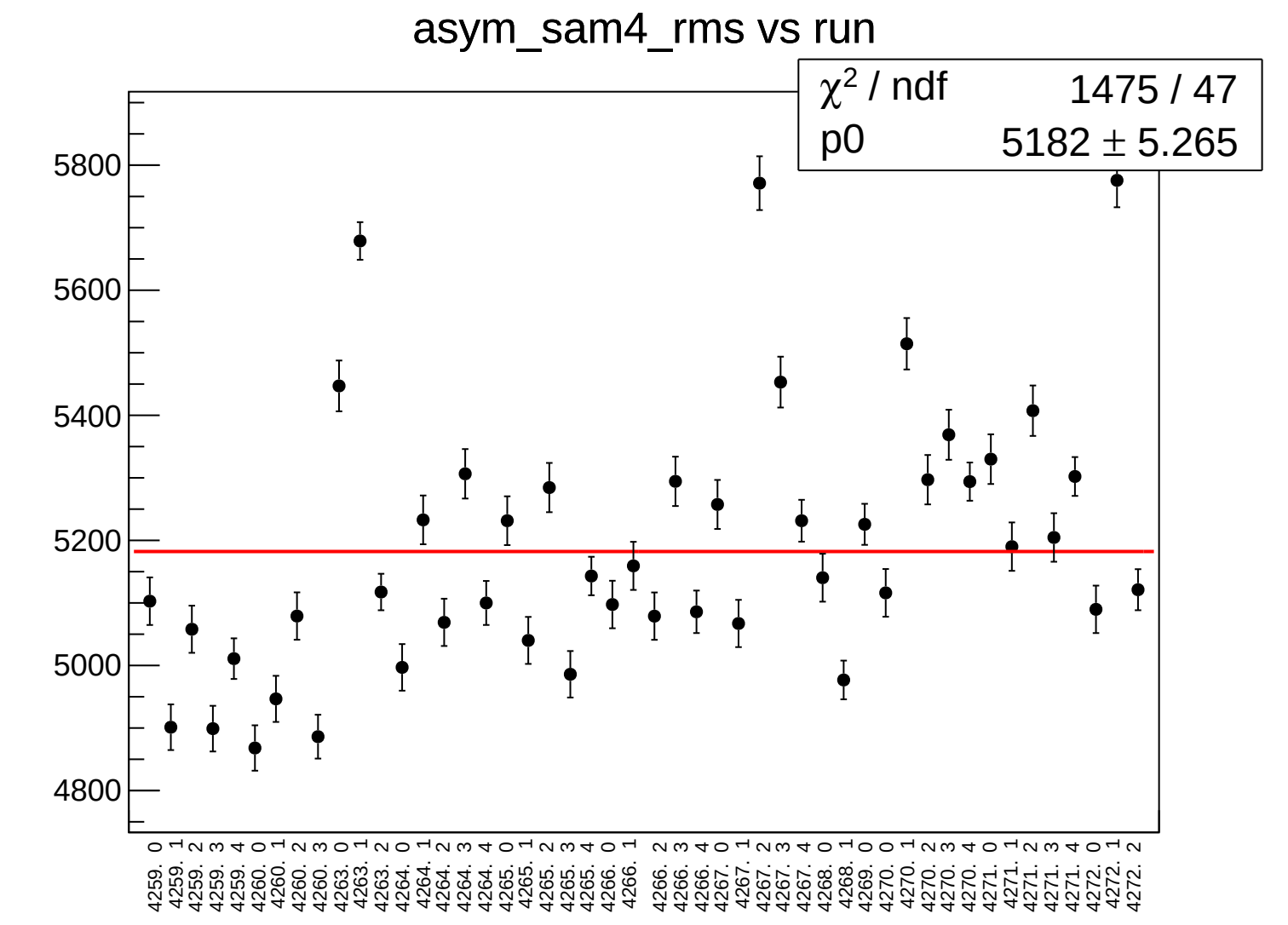

asym_sam3_mean vs run
×10^3
χ² / ndf 57.29 / 47
p0 1206 ± 1.229e+04
300
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 198.7
Std Dev 178.5
2
1
0
−1
−2

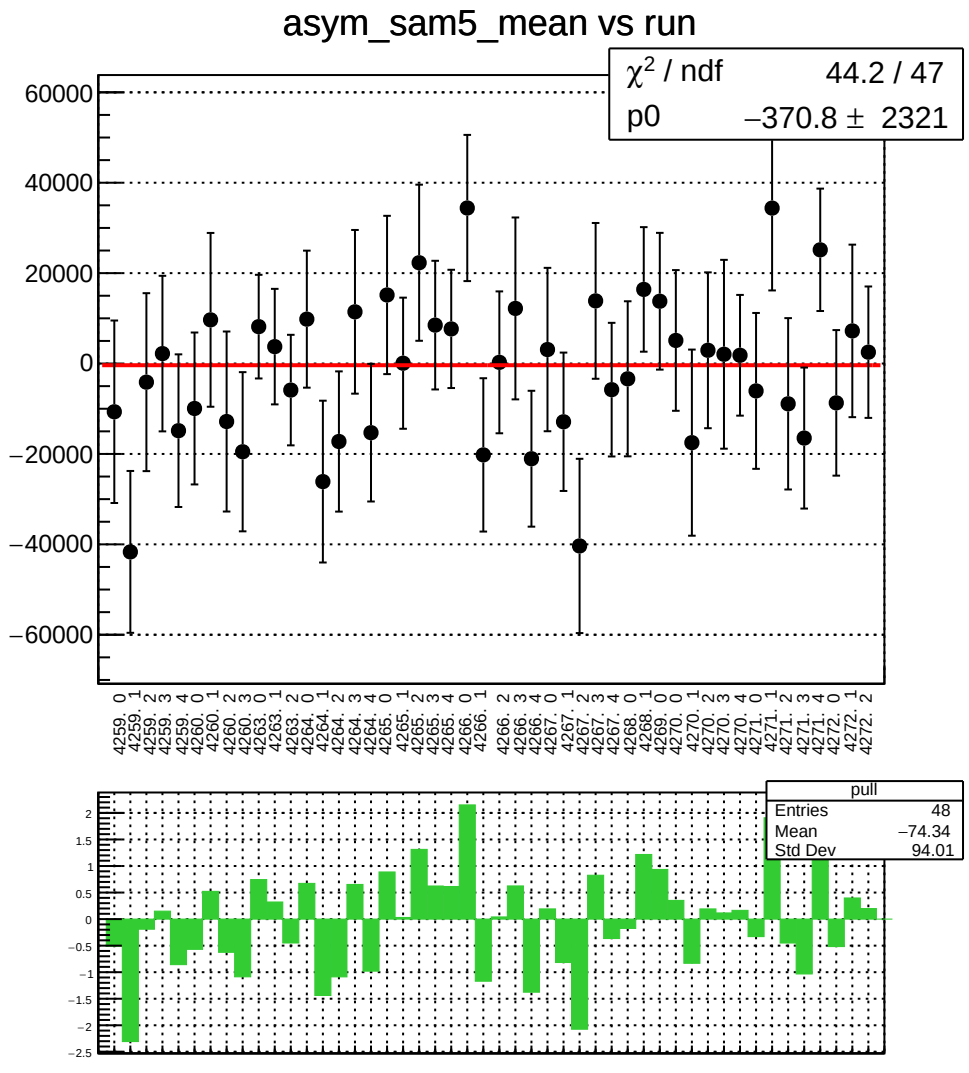

pull1D
Entries 48
Mean 0.01492
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

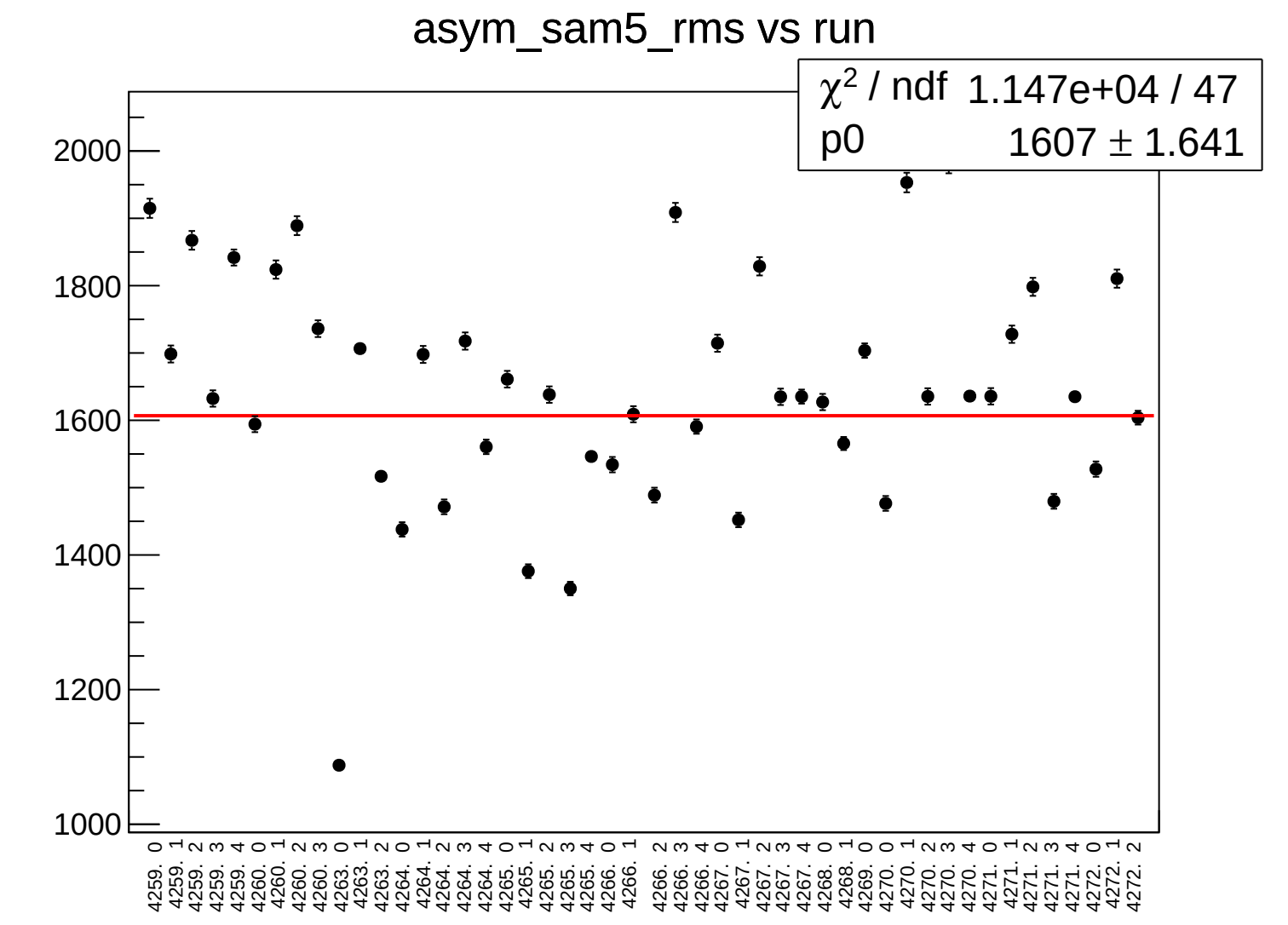

asym_sam3_rms vs run
χ^2 / ndf 2368 / 47
p0 8552 ± 8.693
10000
9500
9000
8500
8000
7500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

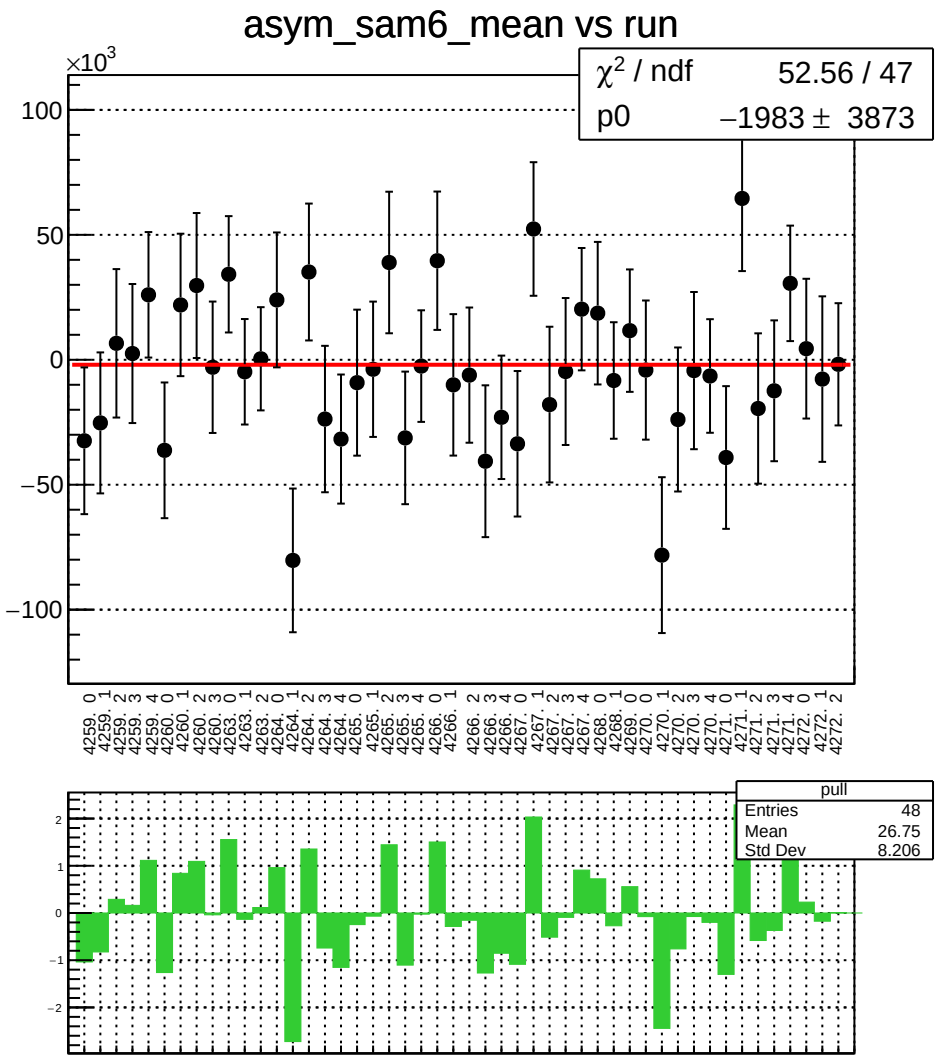

asym_sam4_mean vs run
×10^3
χ² / ndf 50.98 / 47
p0 −982.9 ± 7446
200
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1096
Std Dev 1115
2
1
0
−1
−2

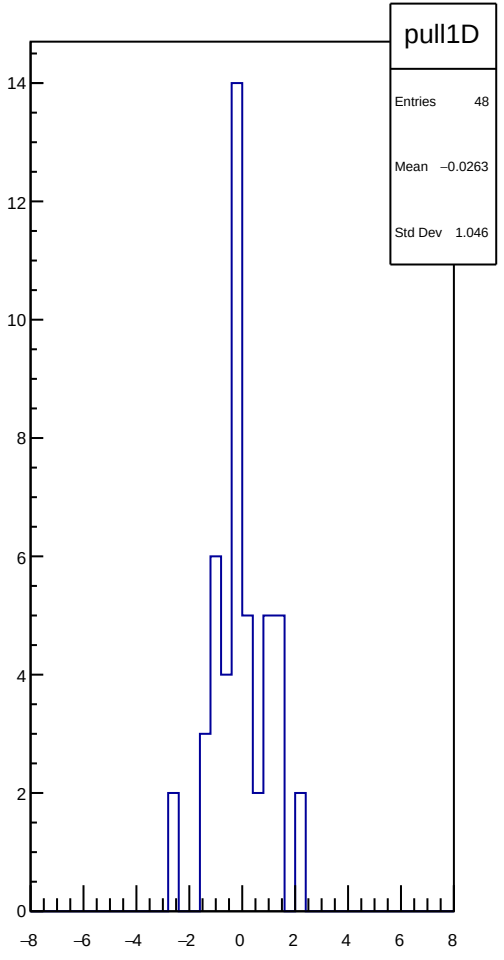

pull1D
Entries 48
Mean −0.002667
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

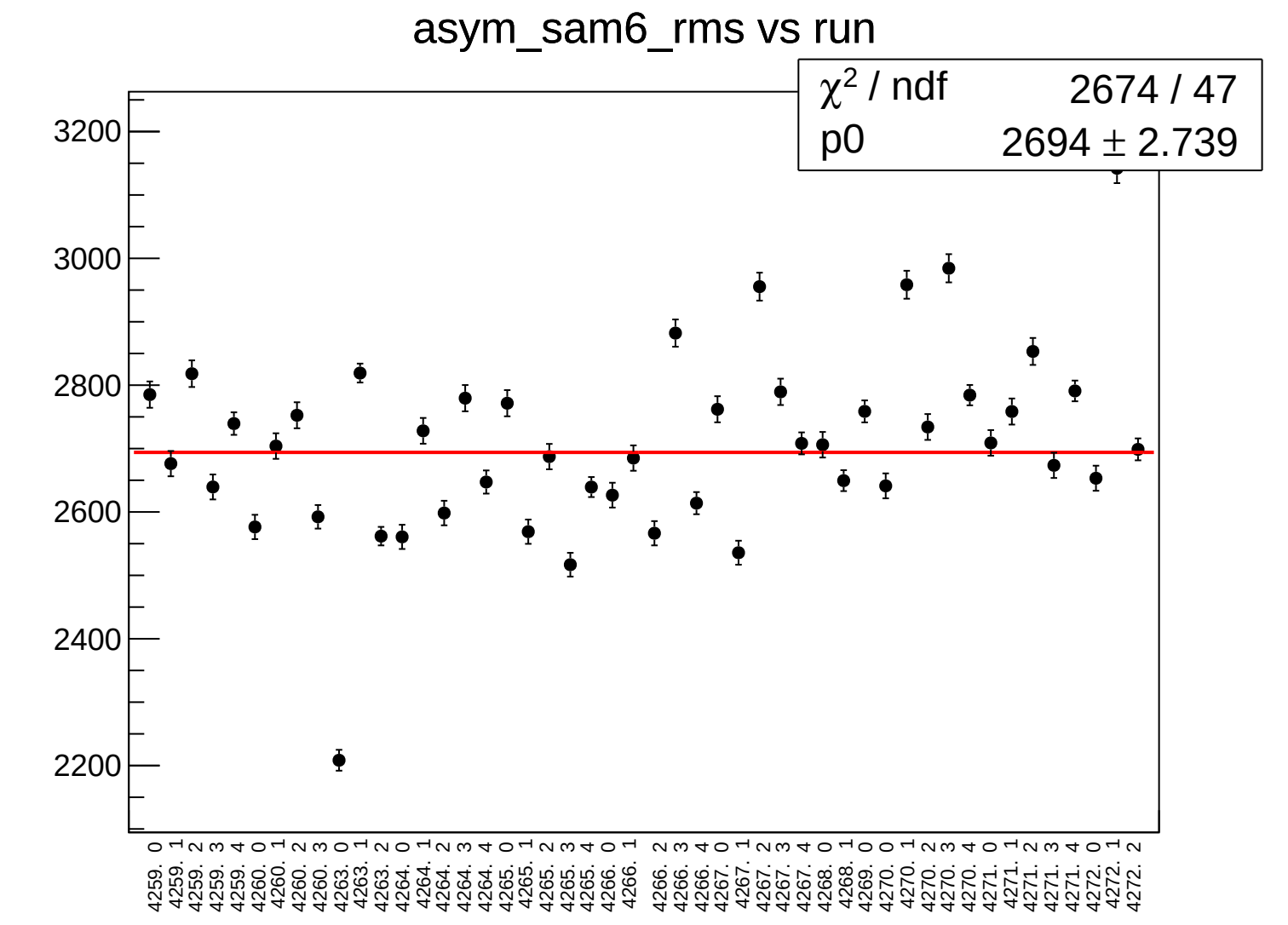

asym_sam4_rms vs run
χ² / ndf 1475 / 47
p0 5182 ± 5.265
5800
5600
5400
5200
5000
4800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

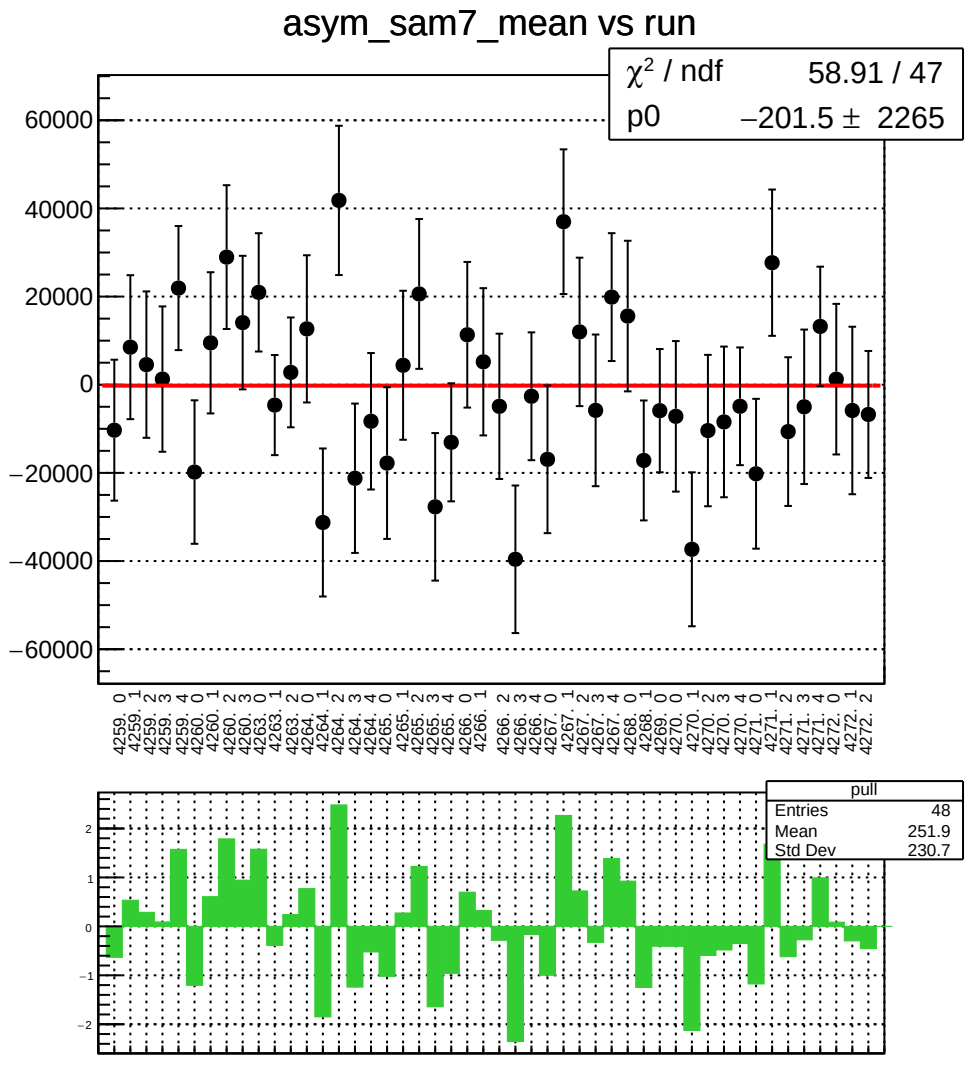

asym_sam5_mean vs run
χ² / ndf 44.2 / 47
p0 −370.8 ± 2321
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −74.34
Std Dev 94.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 48
Mean −0.03151
Std Dev 0.9591
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

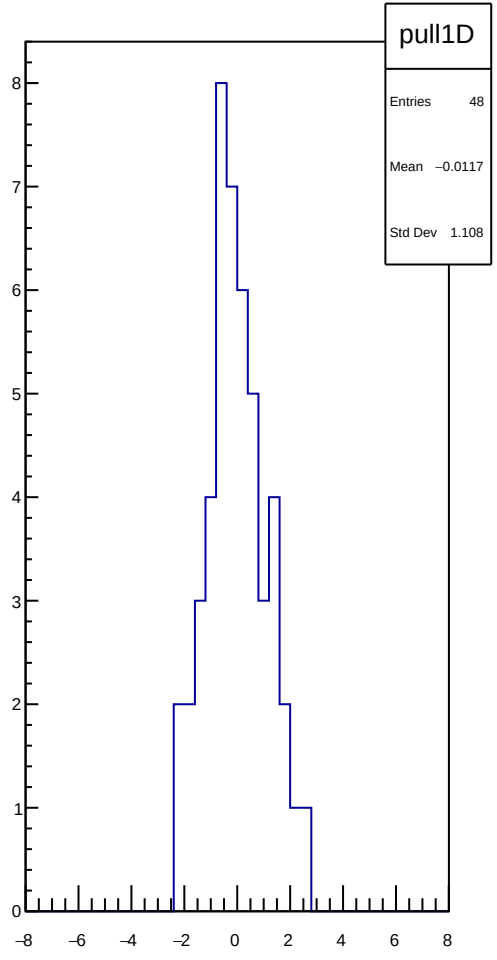

asym_sam5_rms vs run
χ² / ndf 1.147e+04 / 47
p0 1607 ± 1.641
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

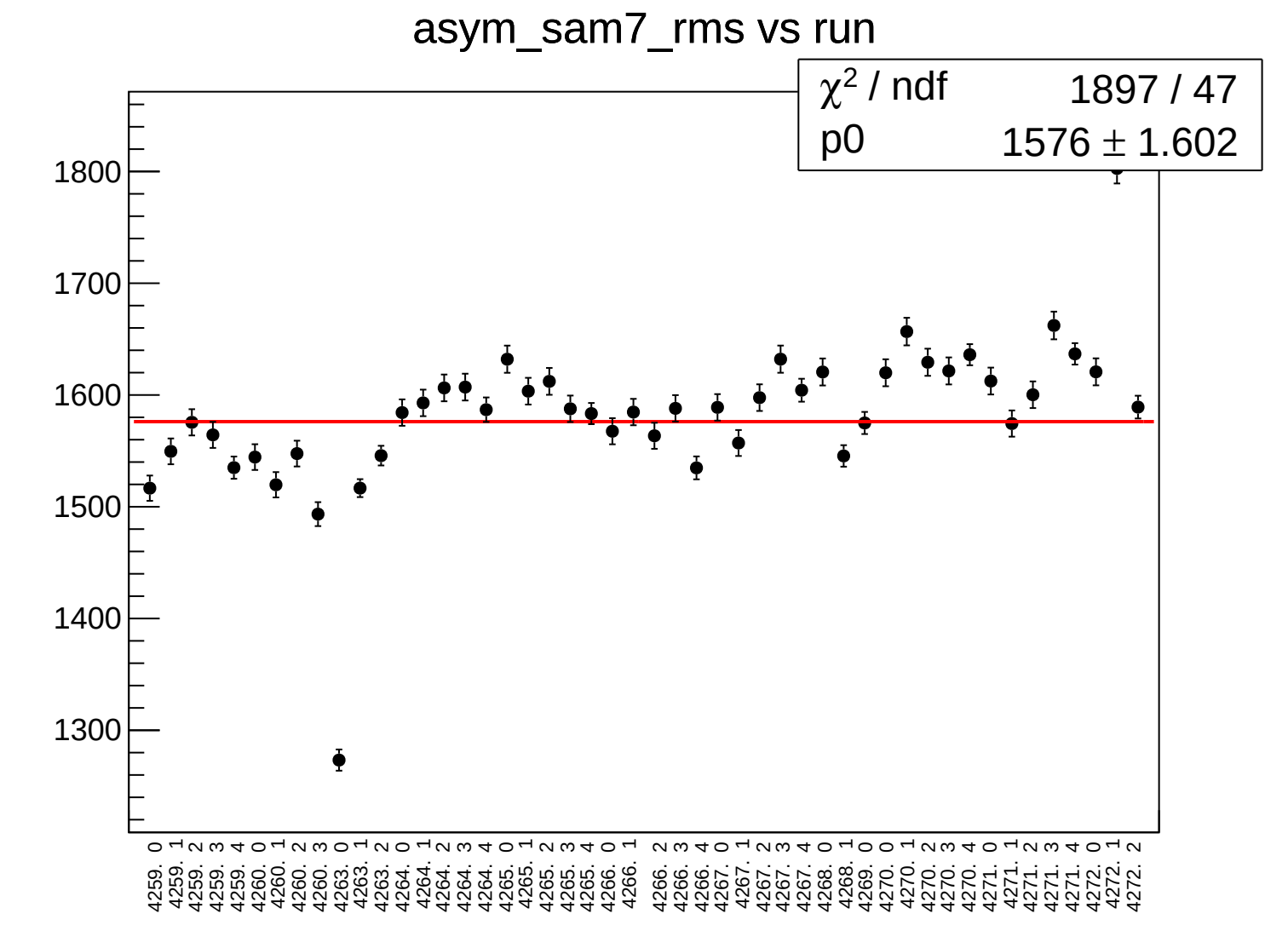

asym_sam6_mean vs run
×10^3
χ² / ndf 52.56 / 47
p0 −1983 ± 3873
100
50
0
−50
−100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 26.75
Std Dev 8.206
2
1
0
−1
−2

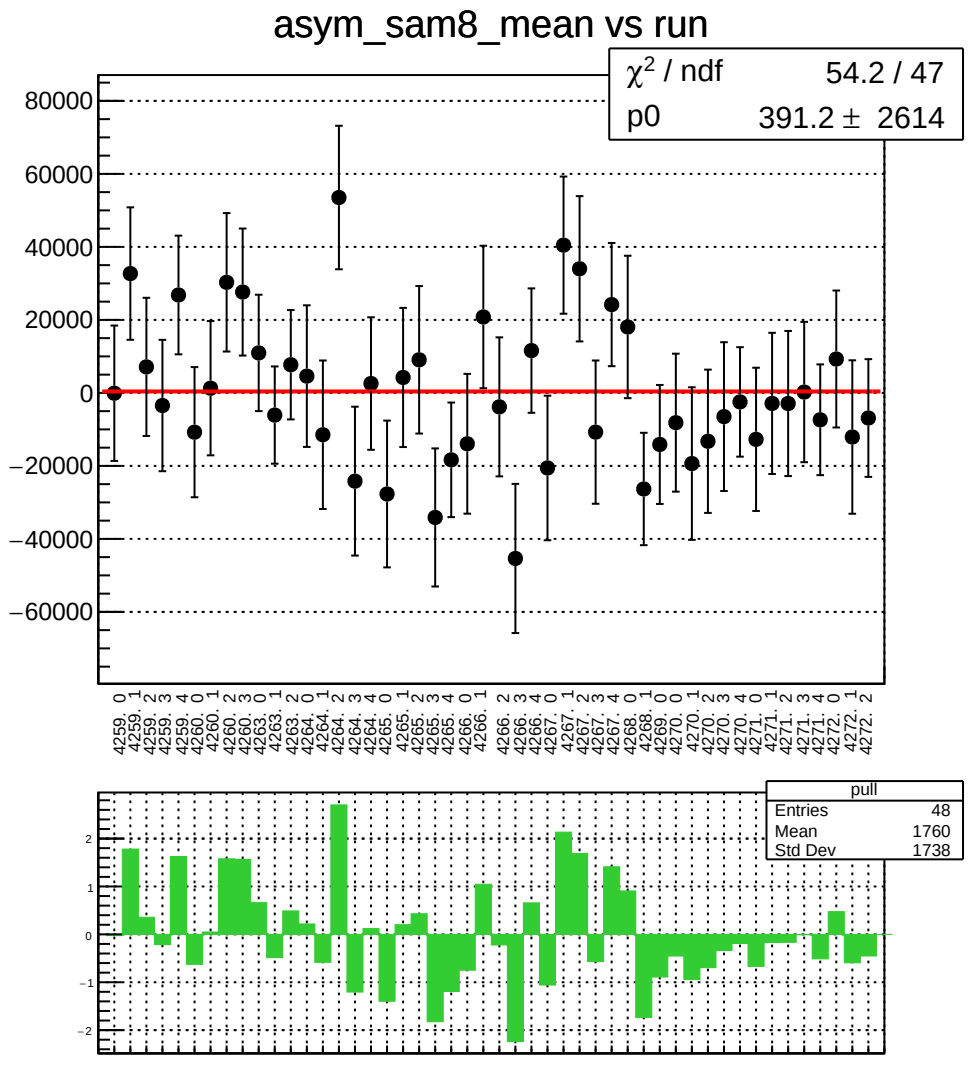

pull1D
Entries 48
Mean −0.0263
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

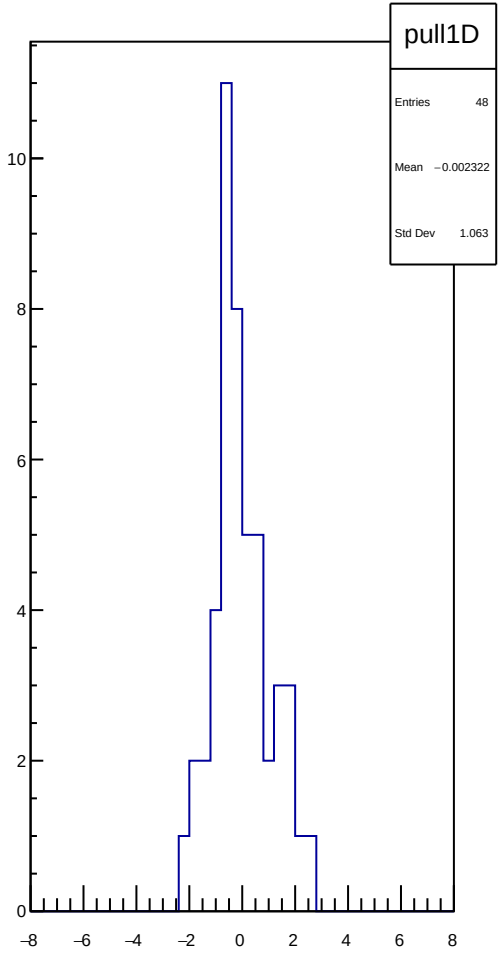

asym_sam6_rms vs run
χ² / ndf 2674 / 47
p0 2694 ± 2.739
3200
3000
2800
2600
2400
2200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

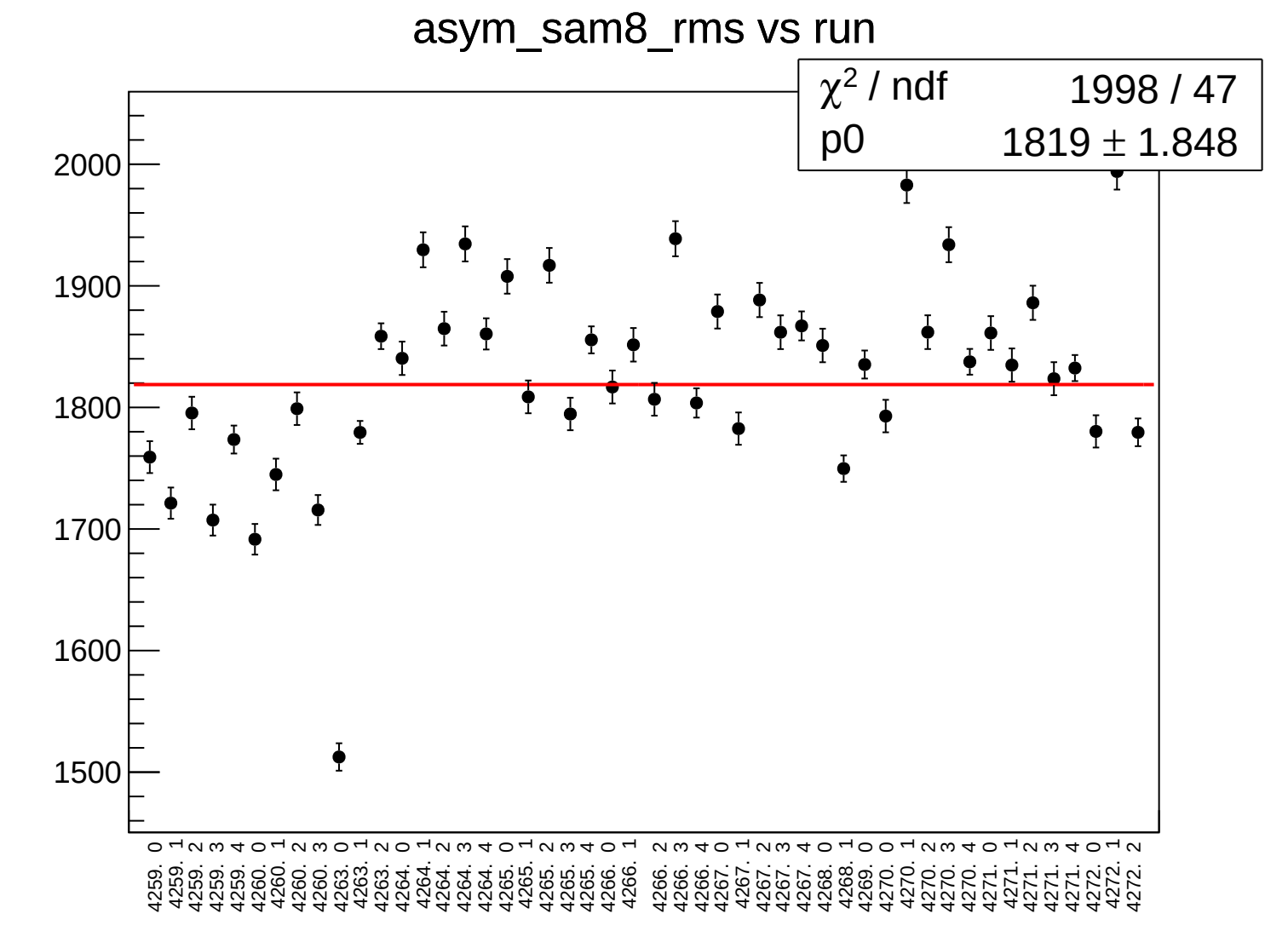

asym_sam7_mean vs run
χ² / ndf 58.91 / 47
p0 −201.5 ± 2265
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 251.9
Std Dev 230.7
2
1
0
−1
−2

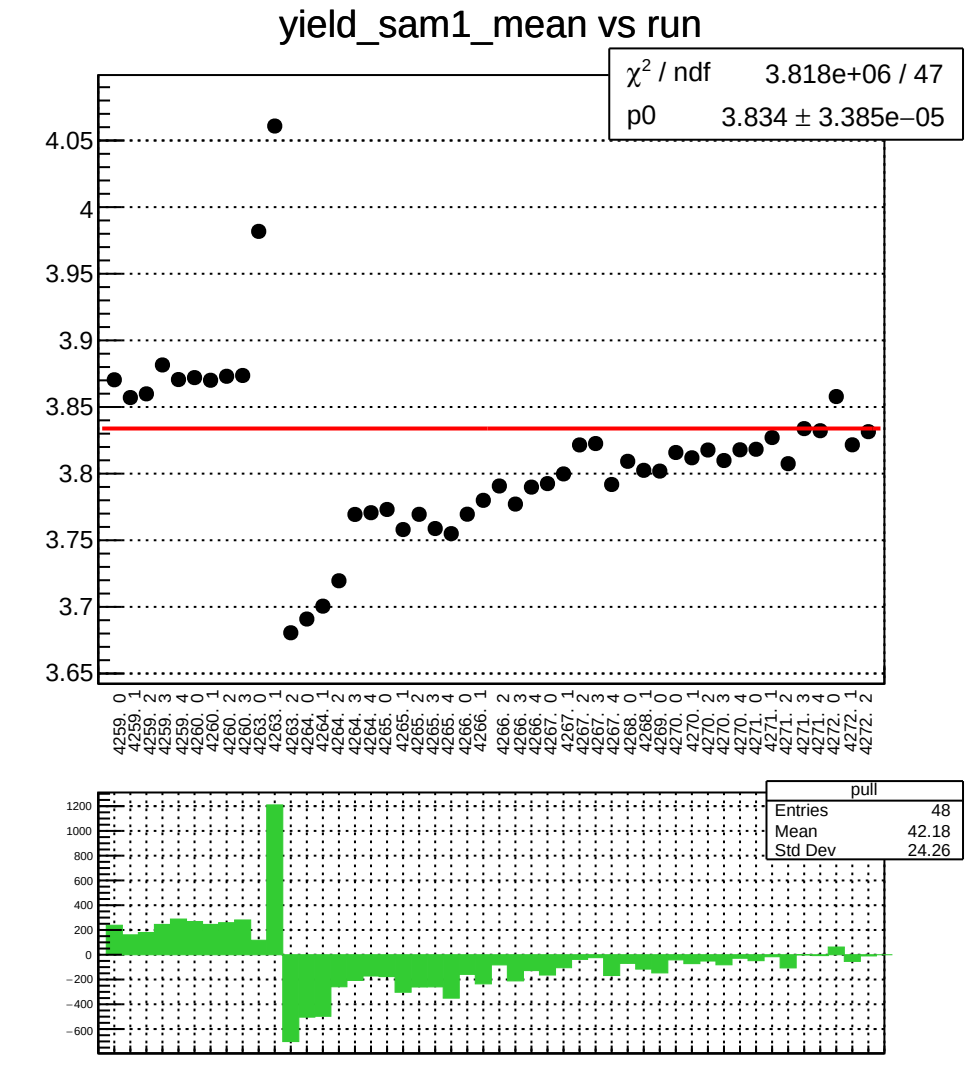

pull1D
Entries 48
Mean −0.0117
Std Dev 1.108
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

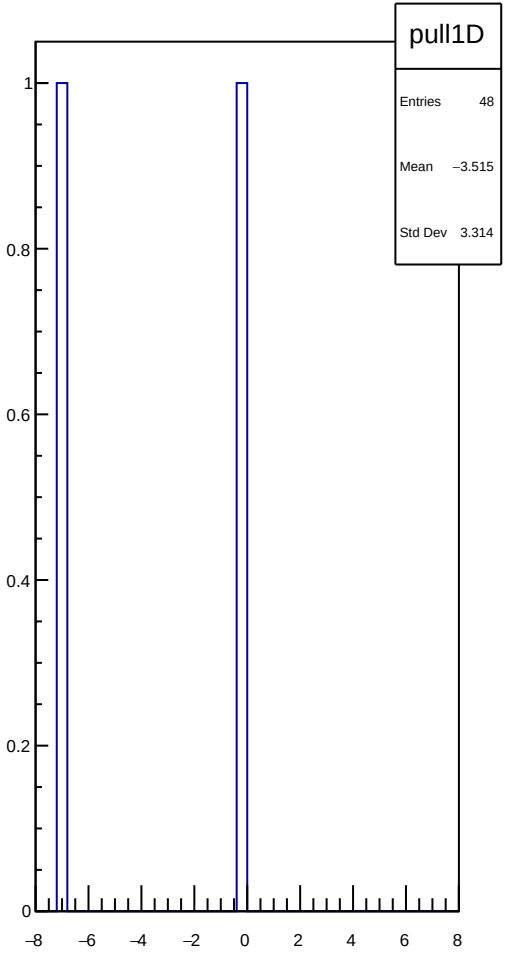

asym_sam7_rms vs run
χ² / ndf 1897 / 47
p0 1576 ± 1.602
1800
1700
1600
1500
1400
1300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

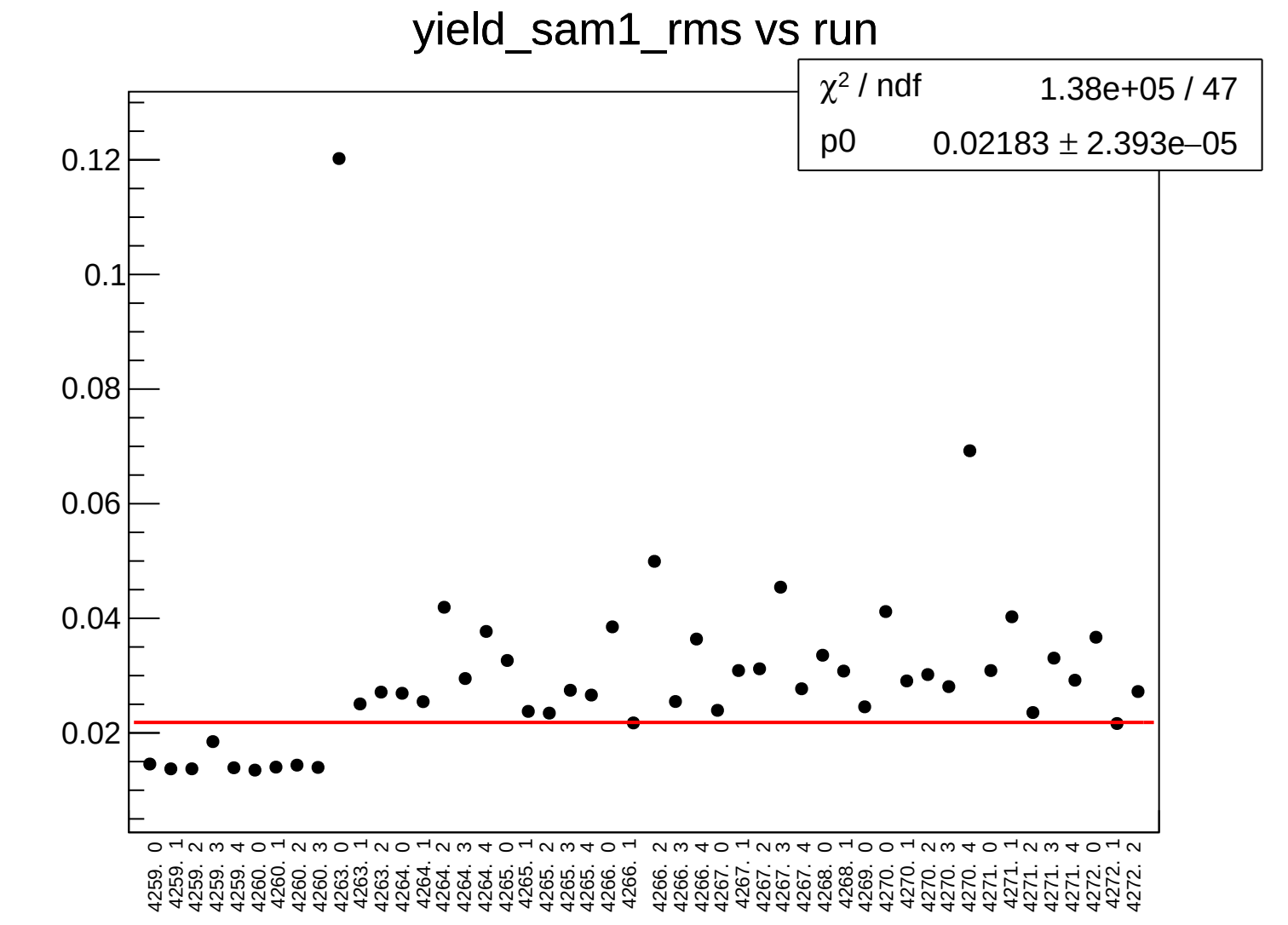

asym_sam8_mean vs run
χ² / ndf 54.2 / 47
p0 391.2 ± 2614
80000
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1760
Std Dev 1738
2
1
0
−1
−2

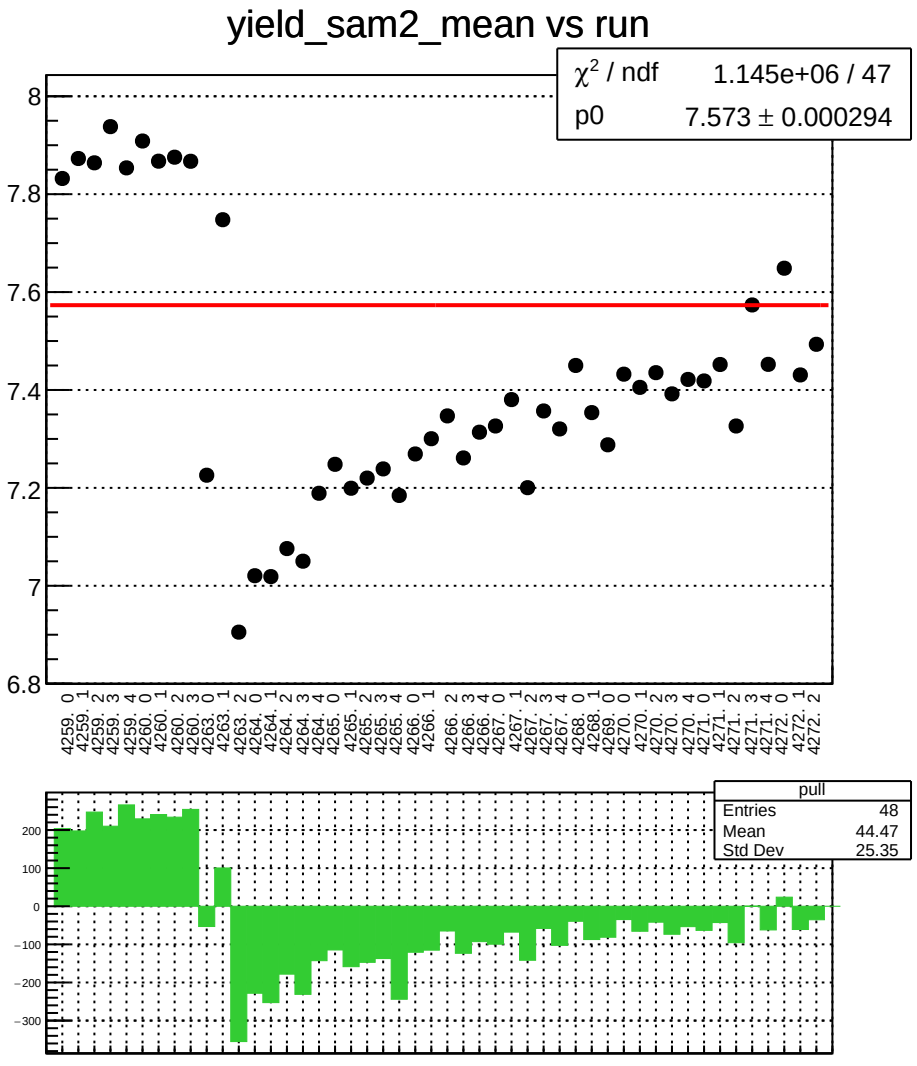

pull1D
Entries 48
Mean −0.002322
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

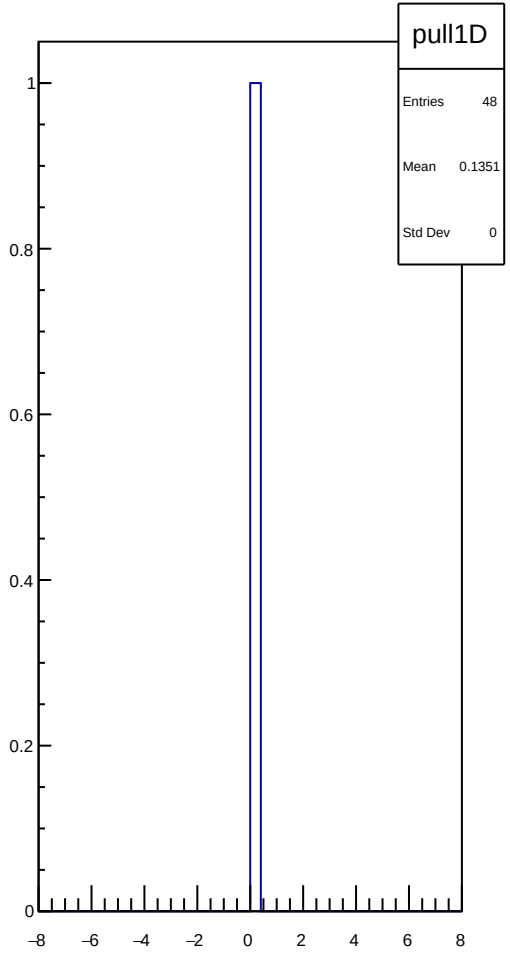

asym_sam8_rms vs run
χ² / ndf 1998 / 47
p0 1819 ± 1.848
2000
1900
1800
1700
1600
1500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

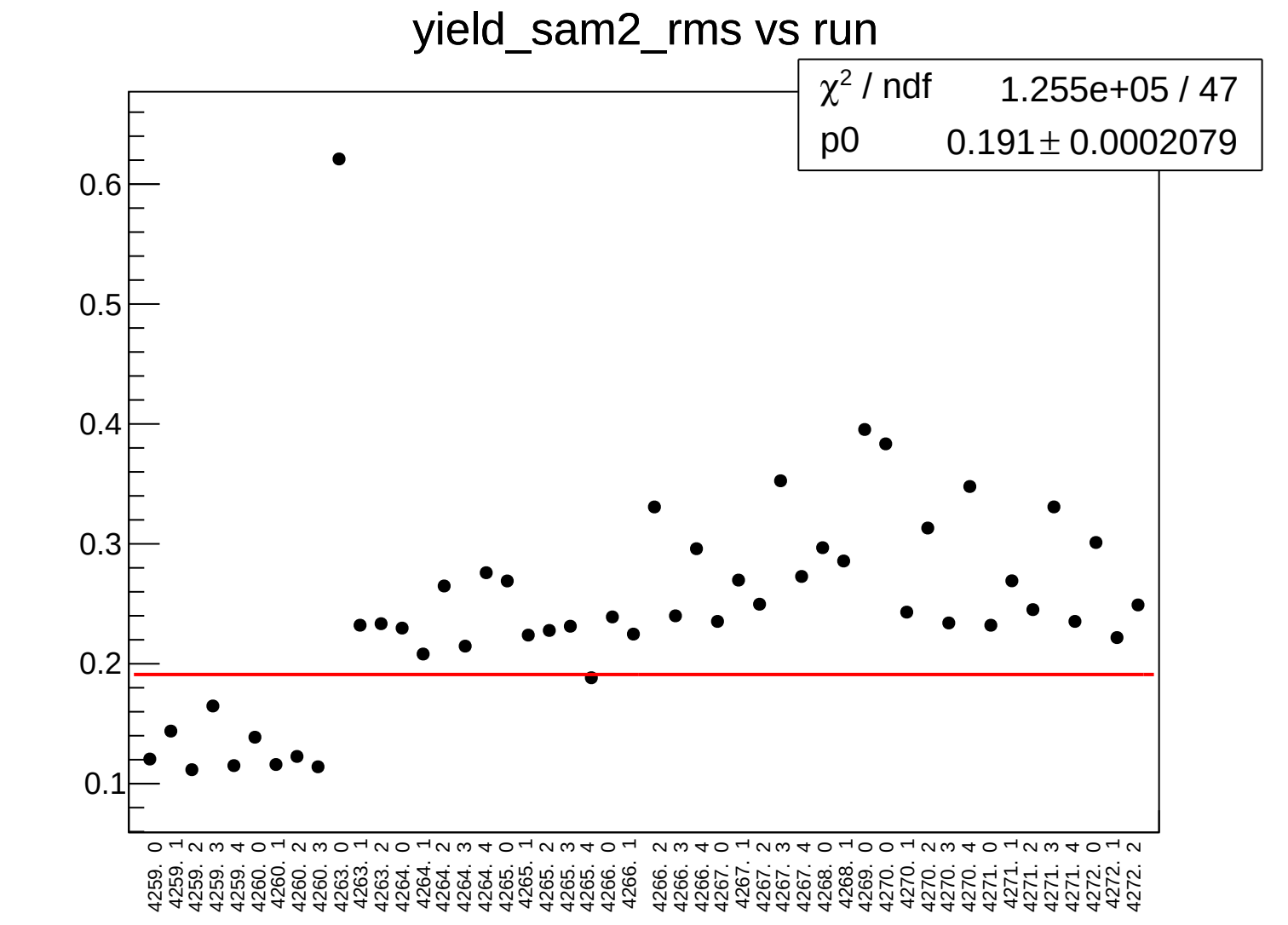

yield_sam1_mean vs run
χ² / ndf 3.818e+06 / 47
p0 3.834 ± 3.385e−05
4.05
4
3.95
3.9
3.85
3.8
3.75
3.7
3.65
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 42.18
Std Dev 24.26
1200
1000
800
600
400
200
0
−200
−400
−600

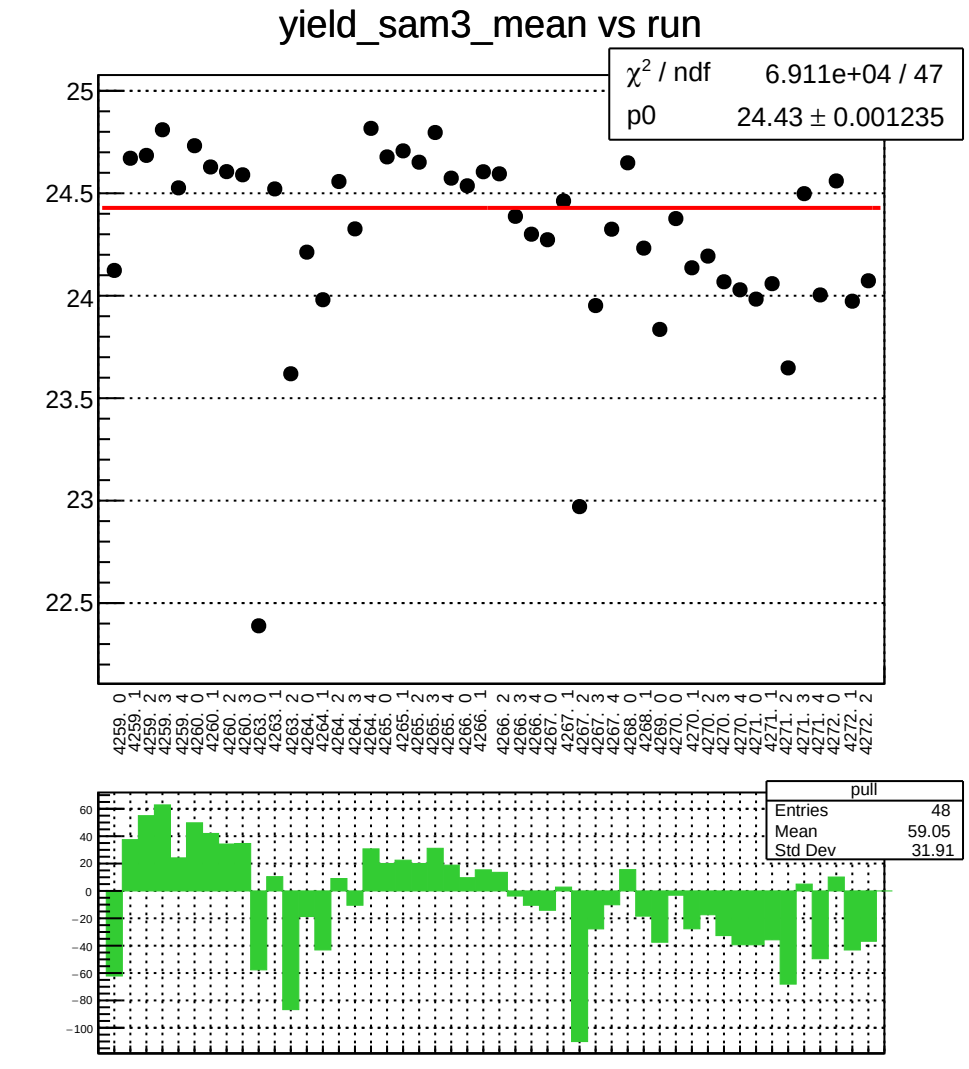

pull1D
Entries 48
Mean −3.515
Std Dev 3.314
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

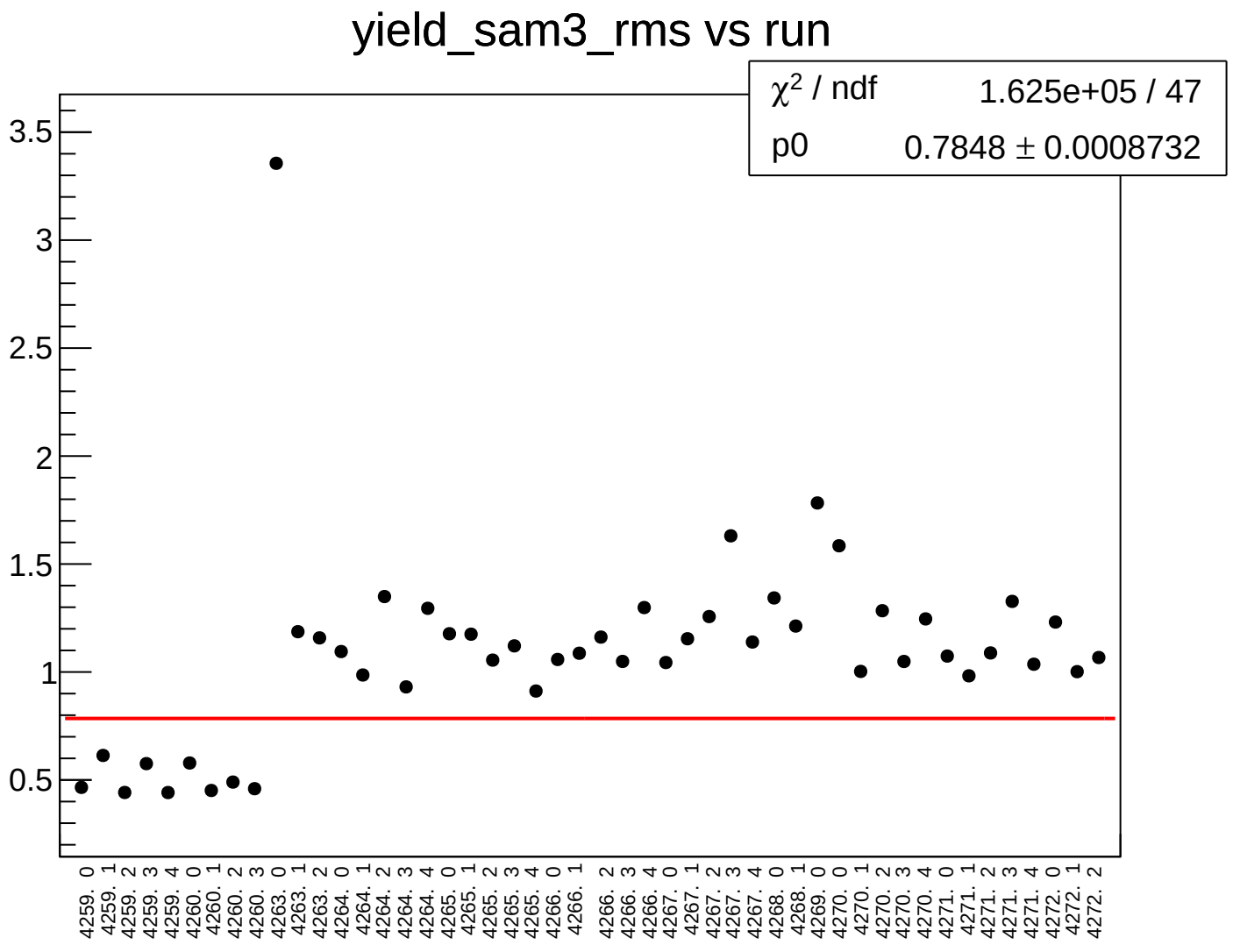

yield_sam1_rms vs run
χ² / ndf 1.38e+05 / 47
p0 0.02183 ± 2.393e–05
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

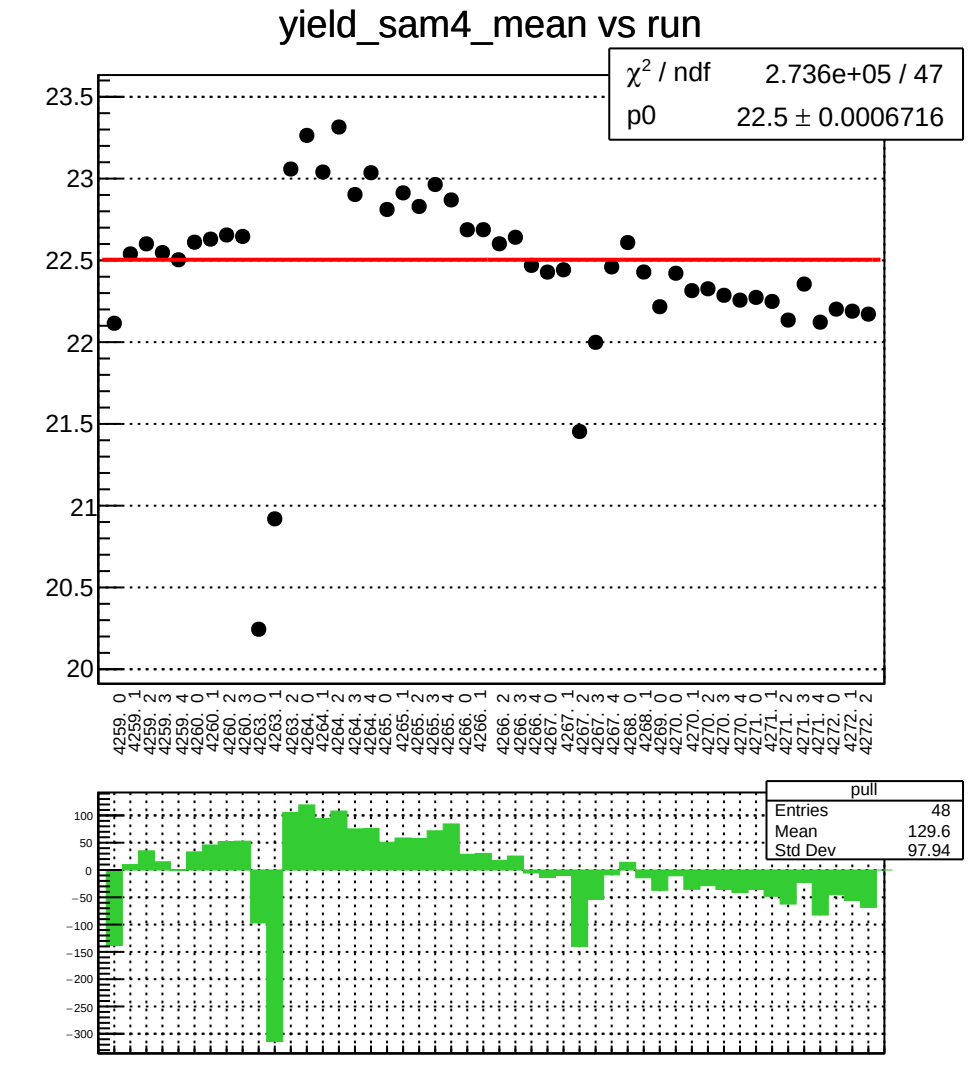

yield_sam2_mean vs run
χ² / ndf 1.145e+06 / 47
p0 7.573 ± 0.000294
pull
Entries 48
Mean 44.47
Std Dev 25.35

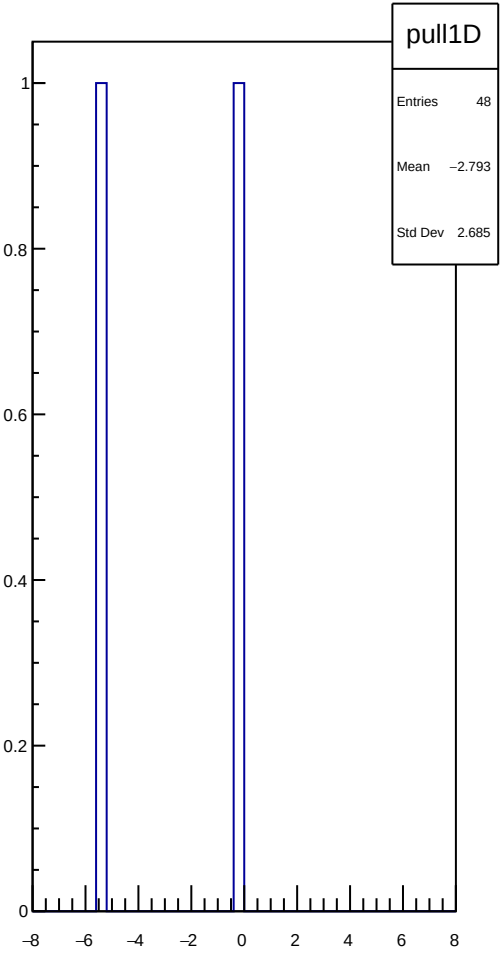

pull1D
Entries 48
Mean 0.1351
Std Dev 0

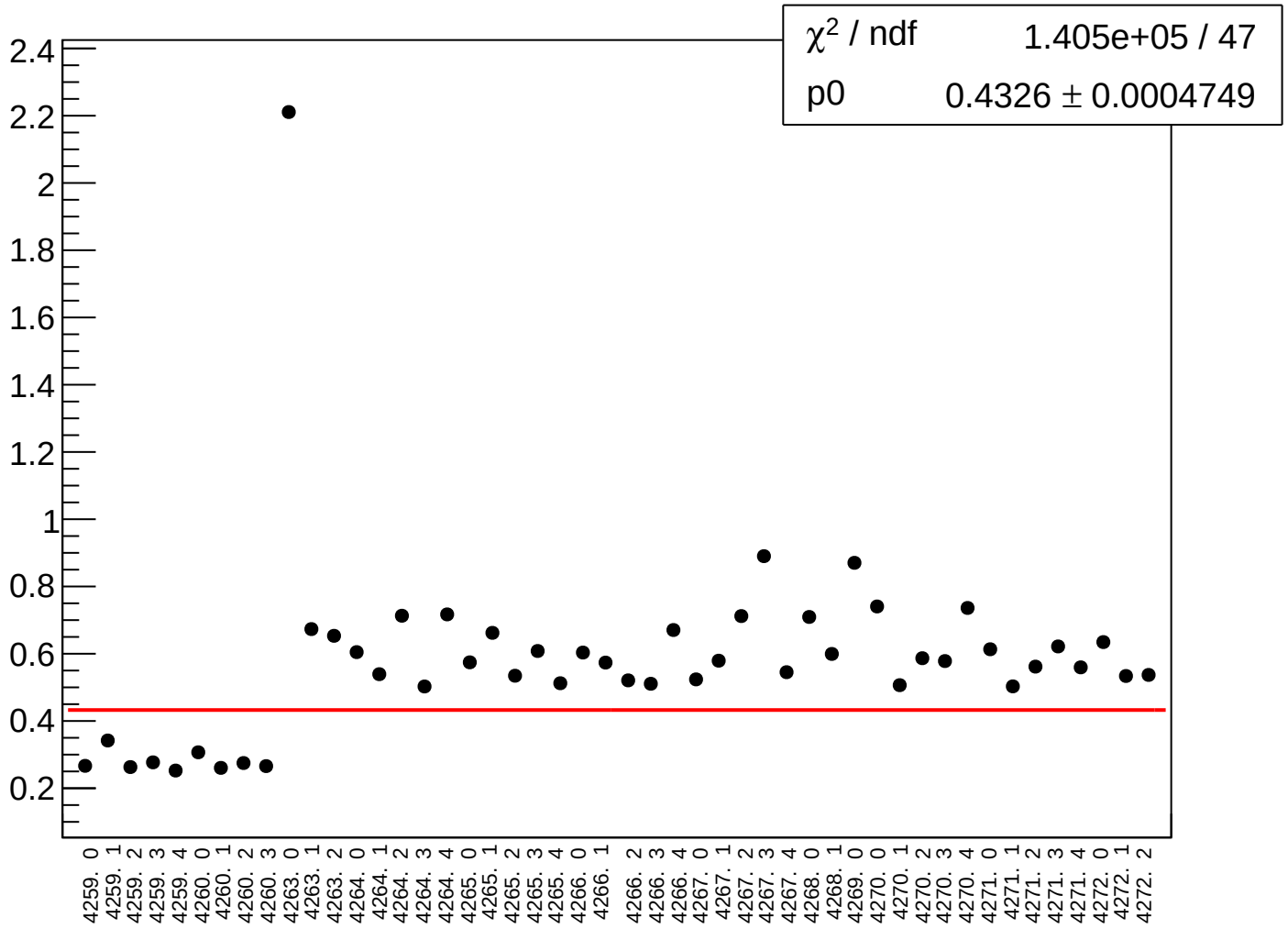

yield_sam2_rms vs run
χ^2 / ndf 1.255e+05 / 47
p0 0.191 ± 0.0002079
0.6
0.5
0.4
0.3
0.2
0.1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

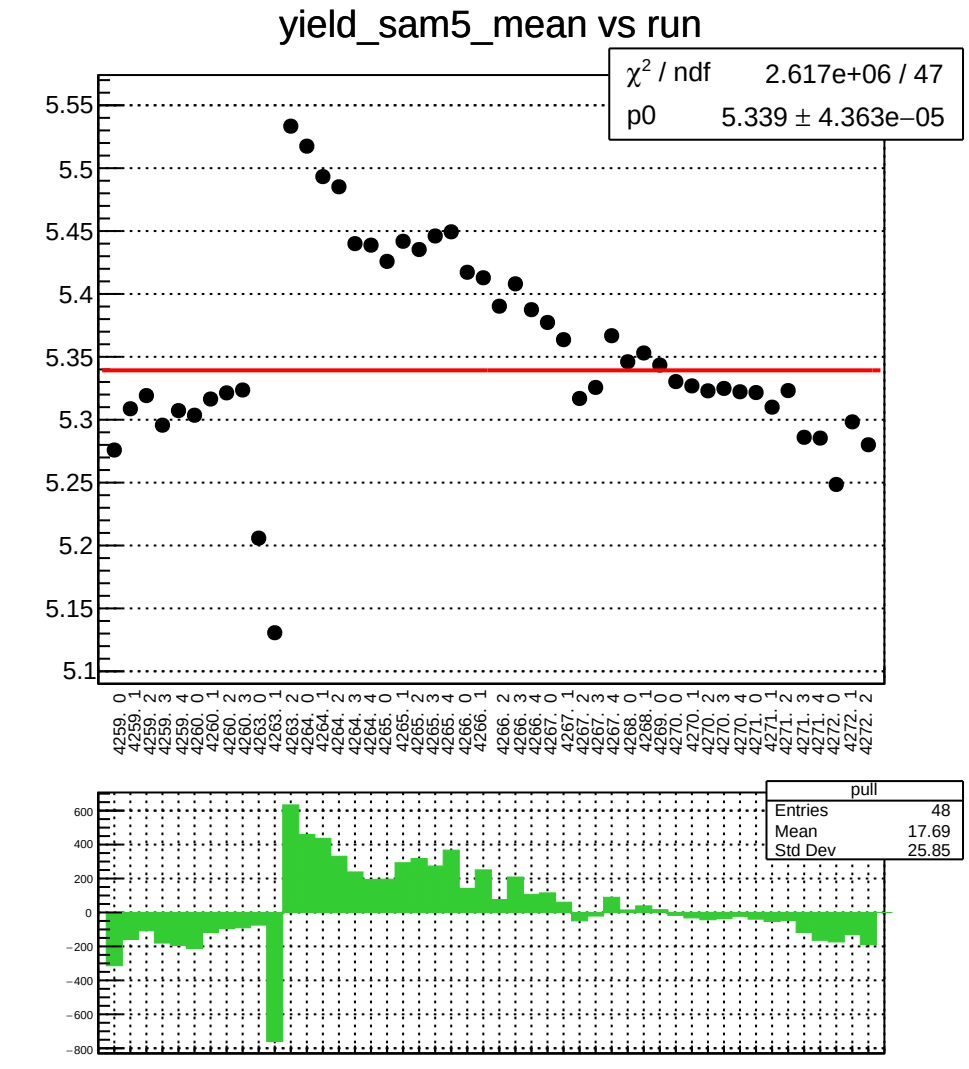

yield_sam3_mean vs run
χ² / ndf 6.911e+04 / 47
p0 24.43 ± 0.001235
25
24.5
24
23.5
23
22.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 59.05
Std Dev 31.91
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 48
Mean 0.232
Std Dev 3.737
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

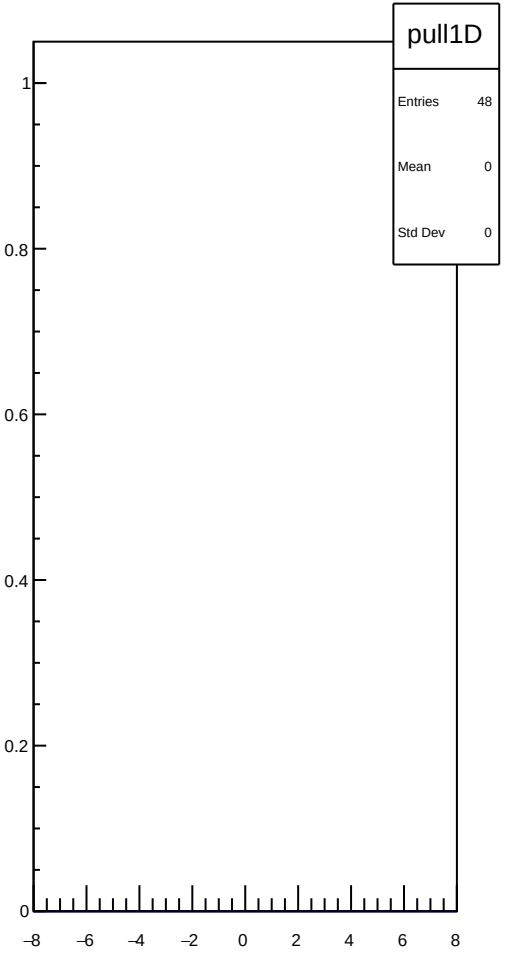

yield_sam3_rms vs run
χ² / ndf 1.625e+05 / 47
p0 0.7848 ± 0.0008732
3.5
3
2.5
2
1.5
1
0.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

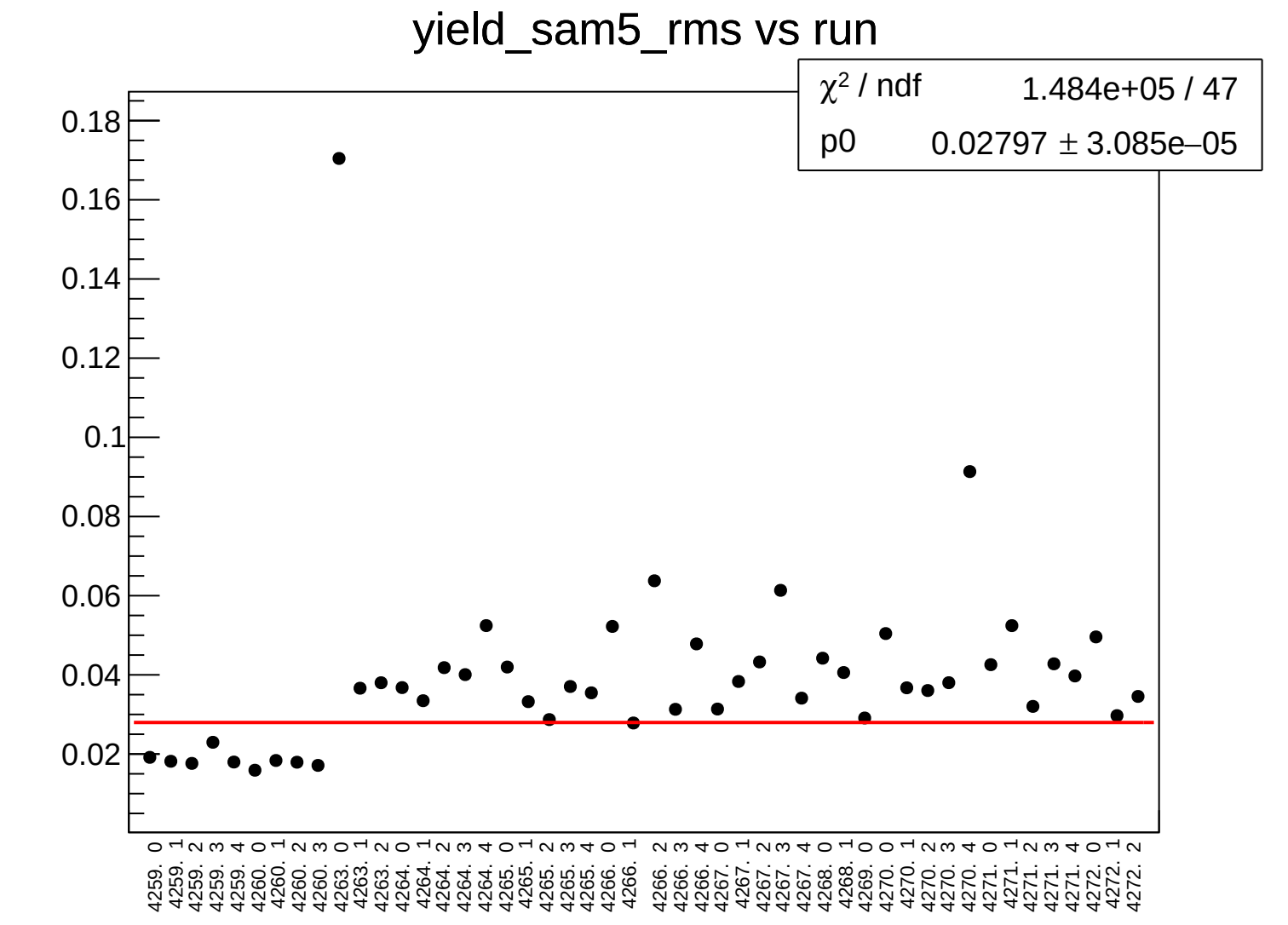

yield_sam4_mean vs run
χ² / ndf 2.736e+05 / 47
p0 22.5 ± 0.0006716
23.5
23
22.5
22
21.5
21
20.5
20
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 129.6
Std Dev 97.94
100
50
0
−50
−100
−150
−200
−250
−300

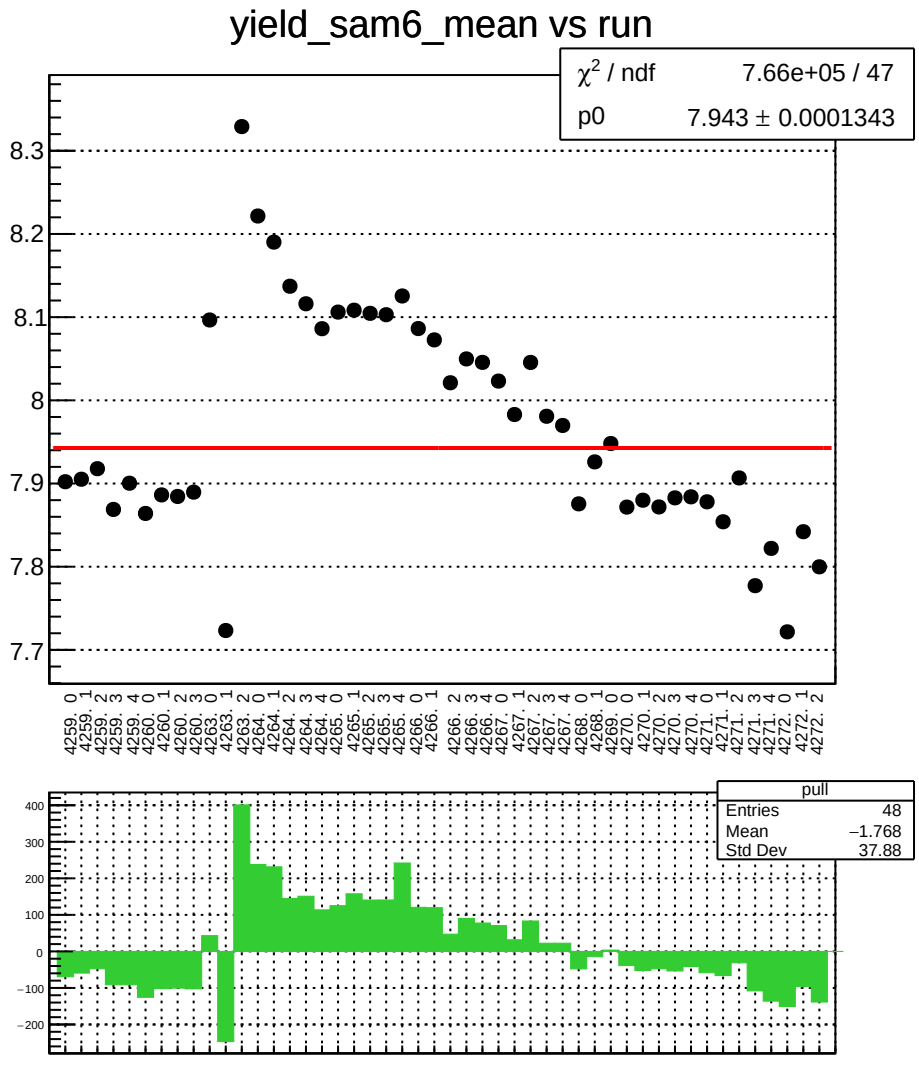

pull1D
Entries 48
Mean −2.793
Std Dev 2.685
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

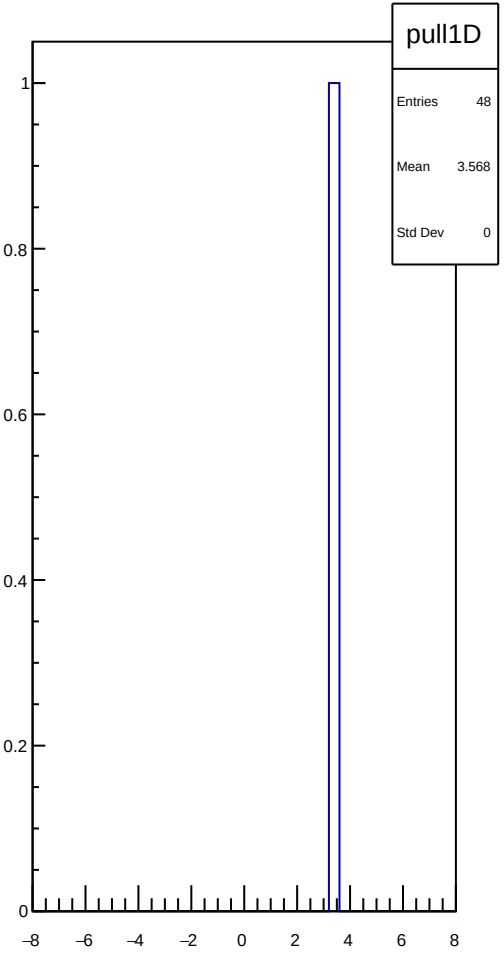

yield_sam4_rms vs run
χ² / ndf 1.405e+05 / 47
p0 0.4326 ± 0.0004749
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

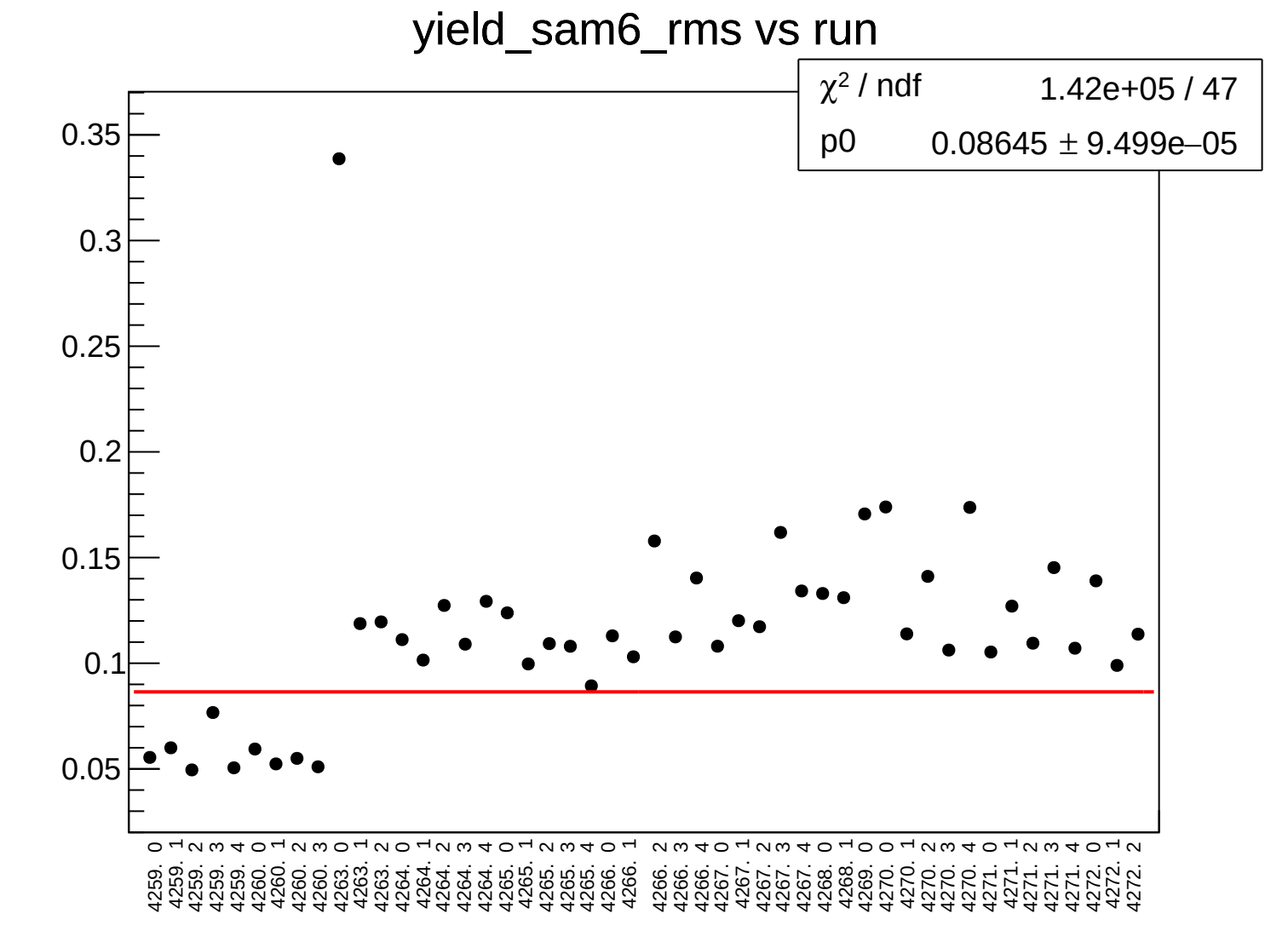

yield_sam5_mean vs run
χ² / ndf 2.617e+06 / 47
p0 5.339 ± 4.363e−05
5.55
5.5
5.45
5.4
5.35
5.3
5.25
5.2
5.15
5.1
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 17.69
Std Dev 25.85
600
400
200
0
−200
−400
−600
−800

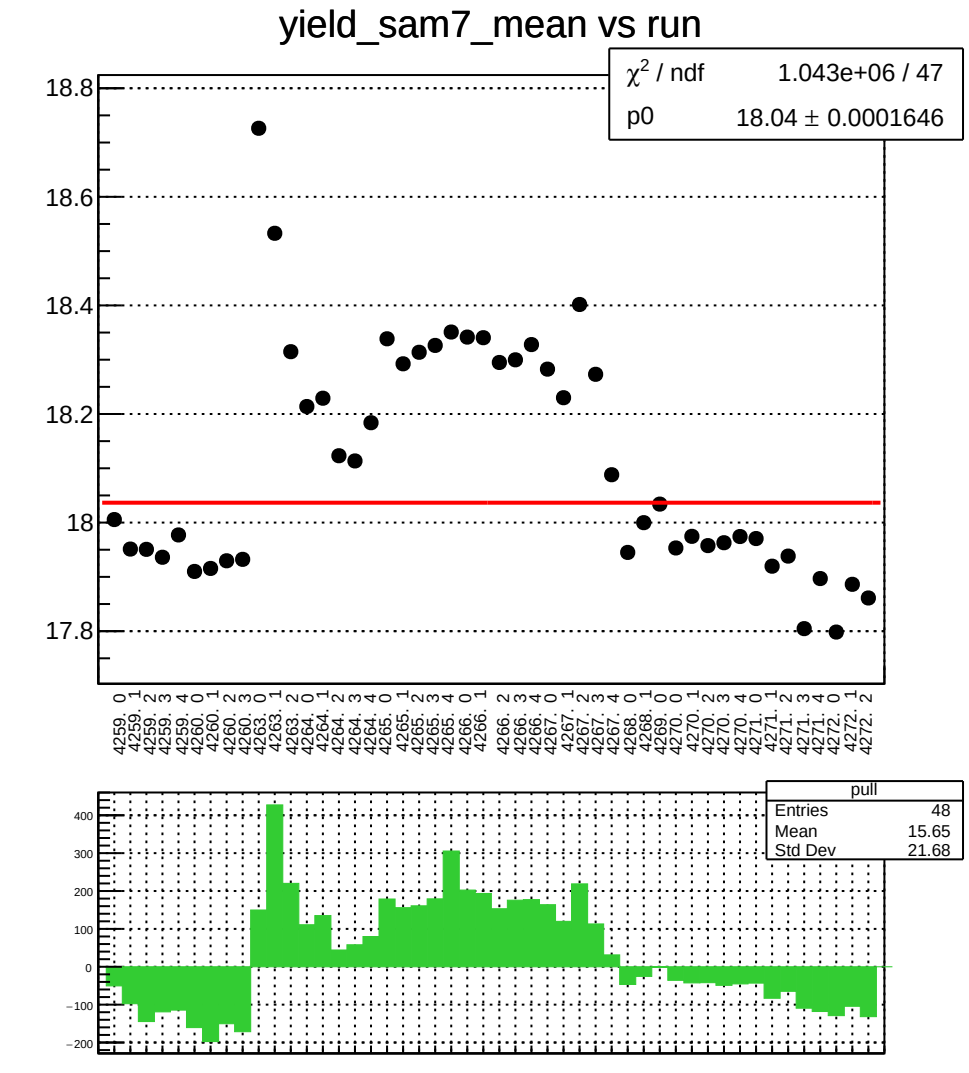

pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

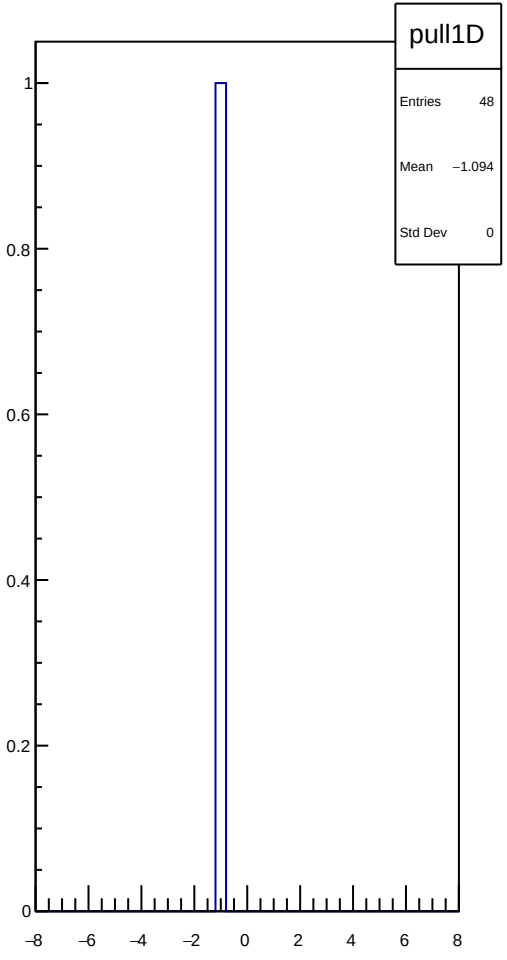

yield_sam5_rms vs run
χ² / ndf 1.484e+05 / 47
p0 0.02797 ± 3.085e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

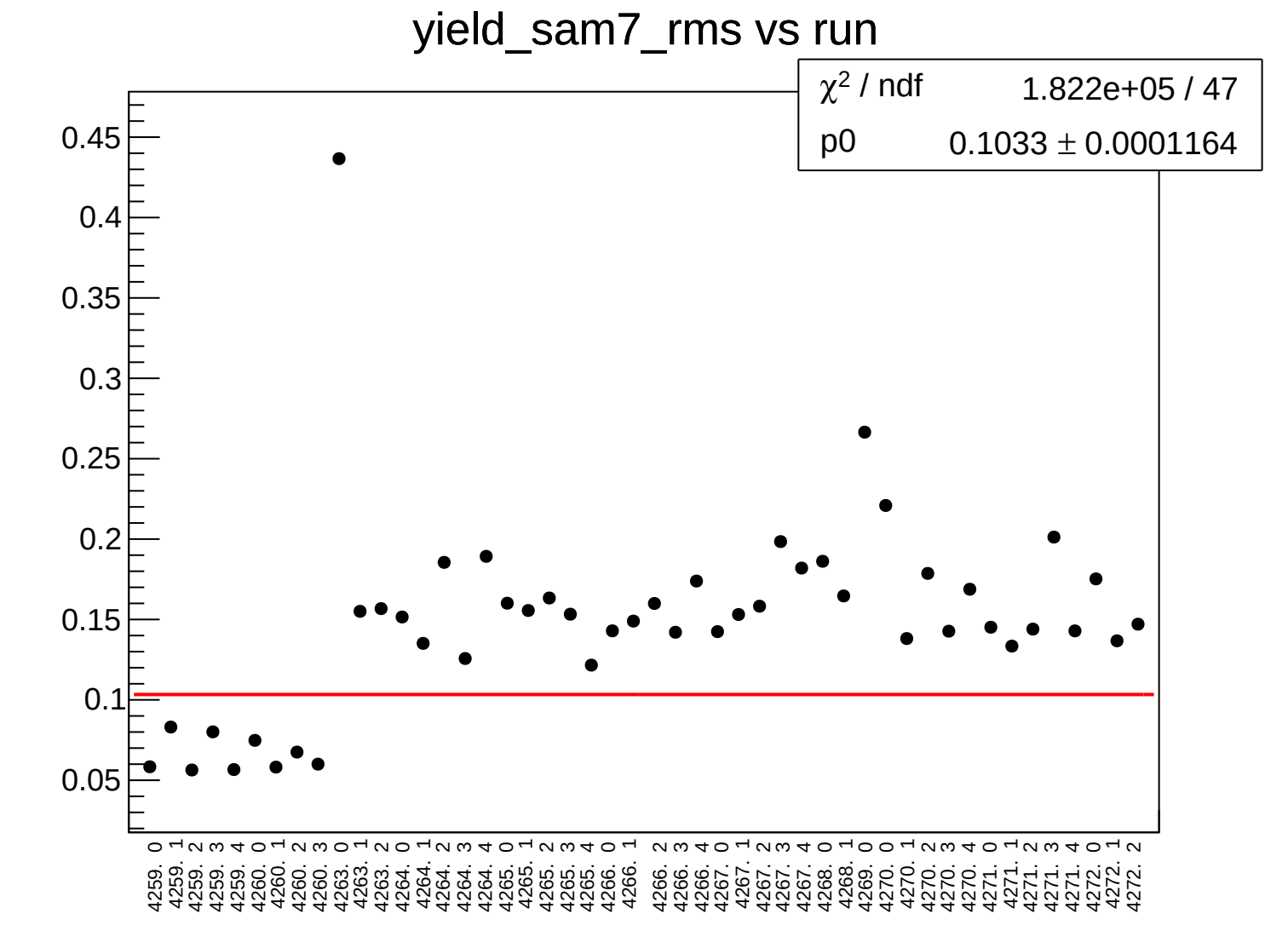

yield_sam6_mean vs run
χ² / ndf 7.66e+05 / 47
p0 7.943 ± 0.0001343
8.3
8.2
8.1
8
7.9
7.8
7.7
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1.768
Std Dev 37.88
400
300
200
100
0
−100
−200

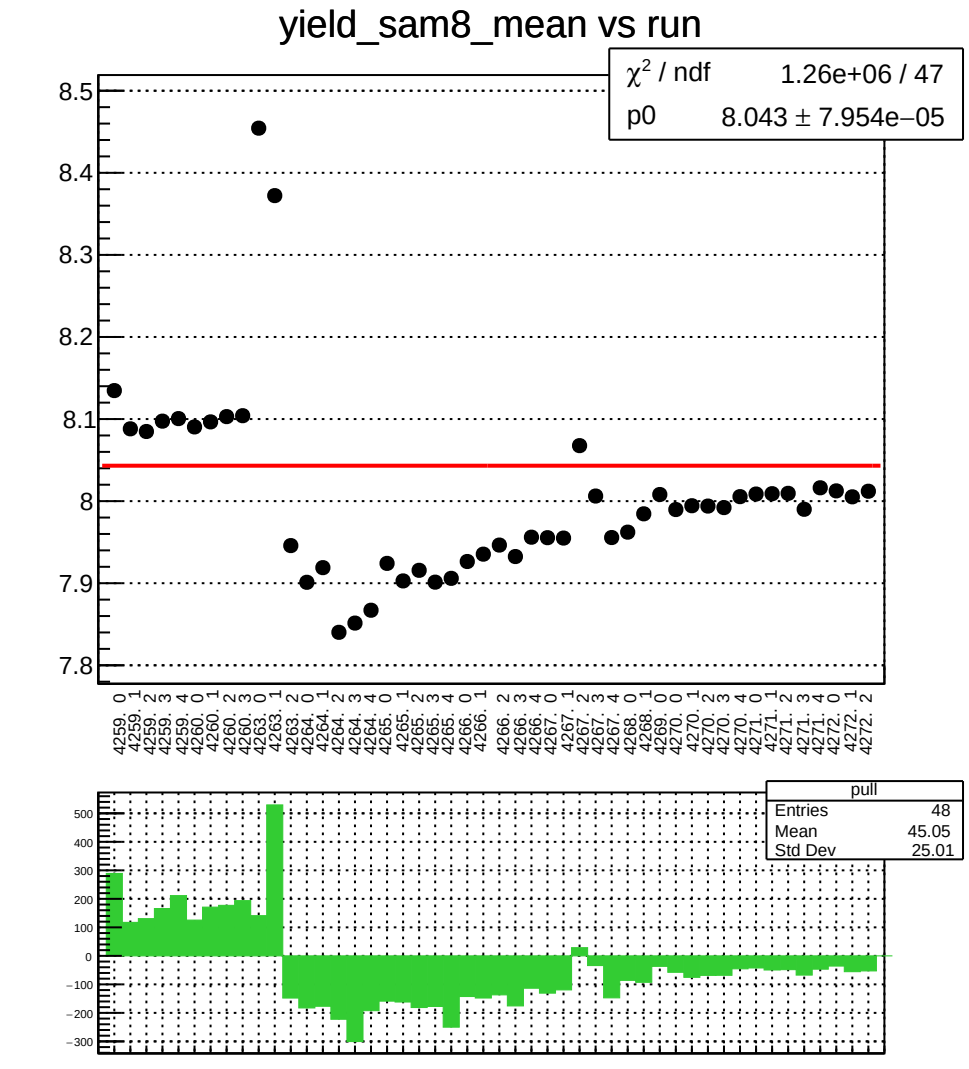

pull1D
Entries 48
Mean 3.568
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

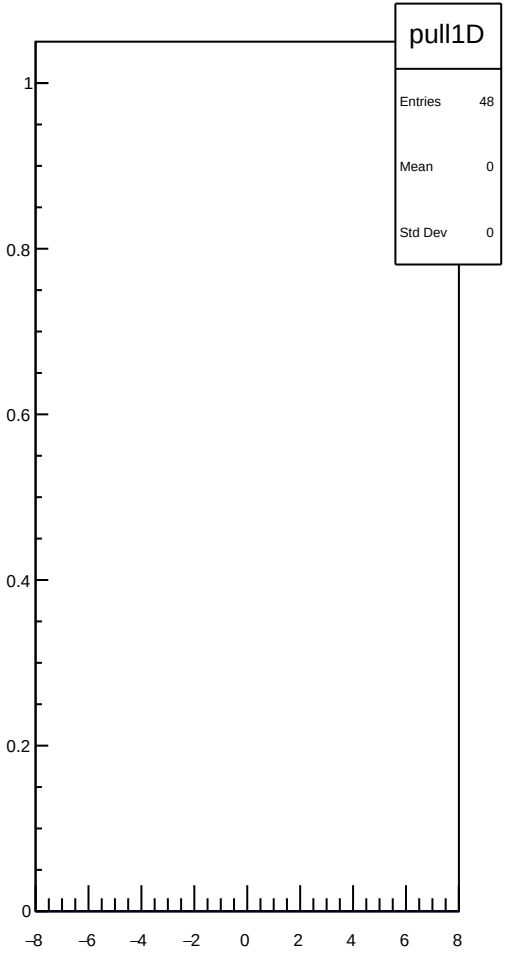

yield_sam6_rms vs run
χ² / ndf 1.42e+05 / 47
p0 0.08645 ± 9.499e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

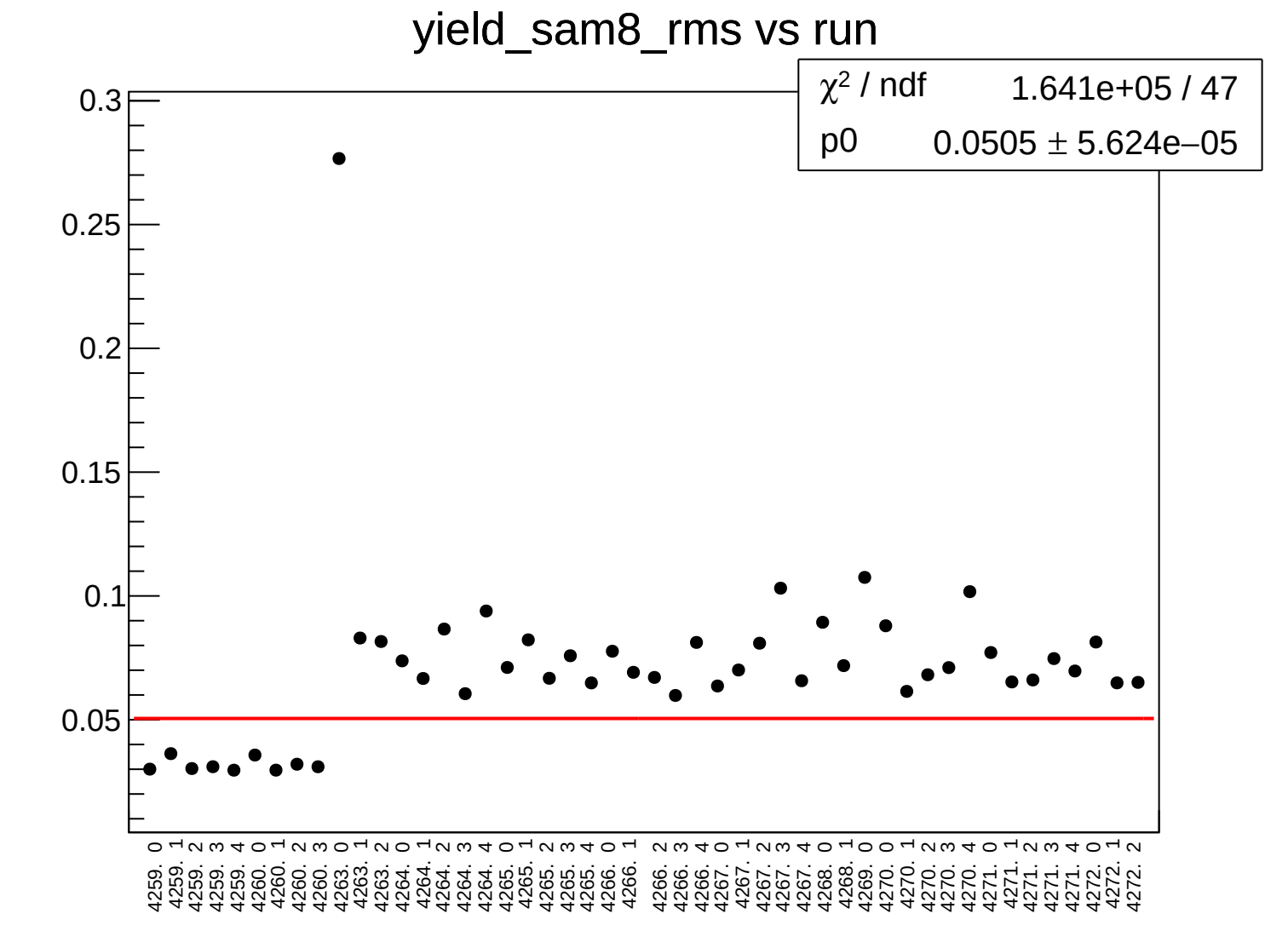

yield_sam7_mean vs run
χ² / ndf 1.043e+06 / 47
p0 18.04 ± 0.0001646
18.8
18.6
18.4
18.2
18
17.8
pull
Entries 48
Mean 15.65
Std Dev 21.68
400
300
200
100
0
−100
−200

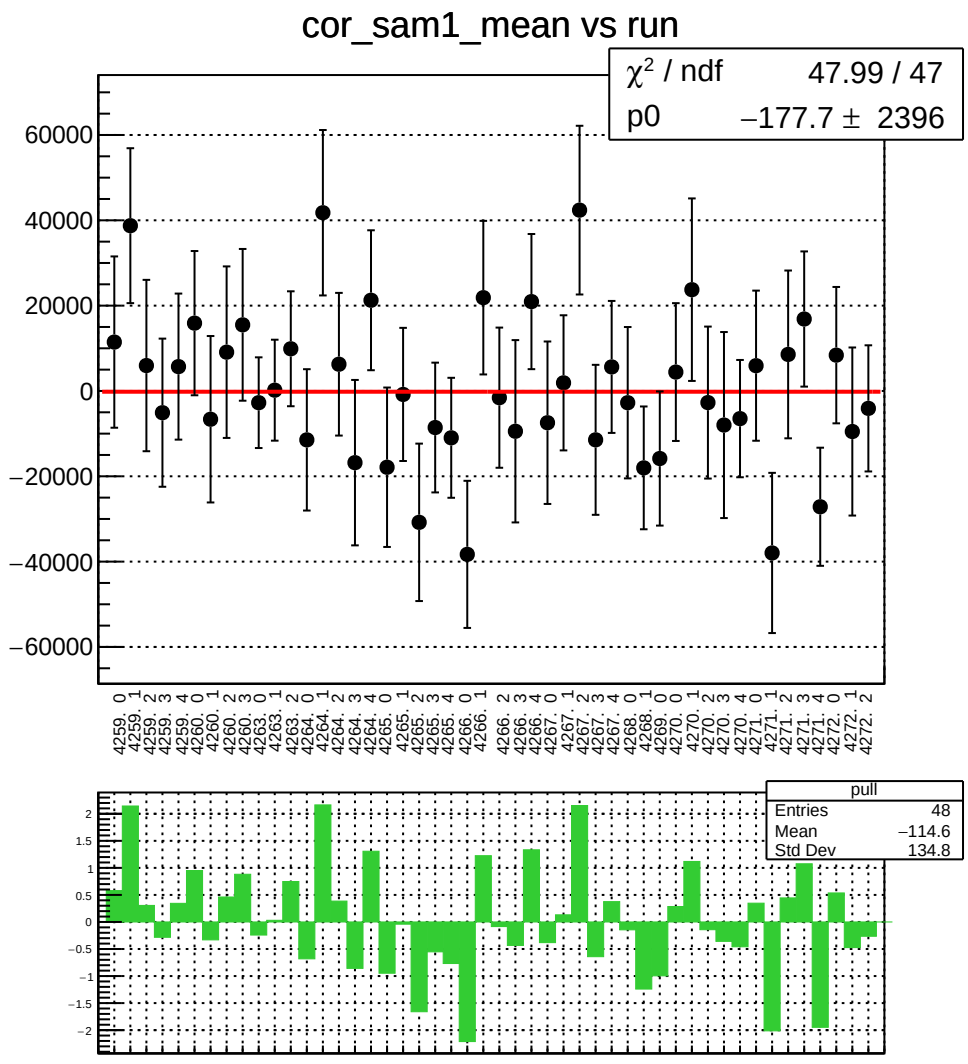

pull1D
Entries 48
Mean −1.094
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

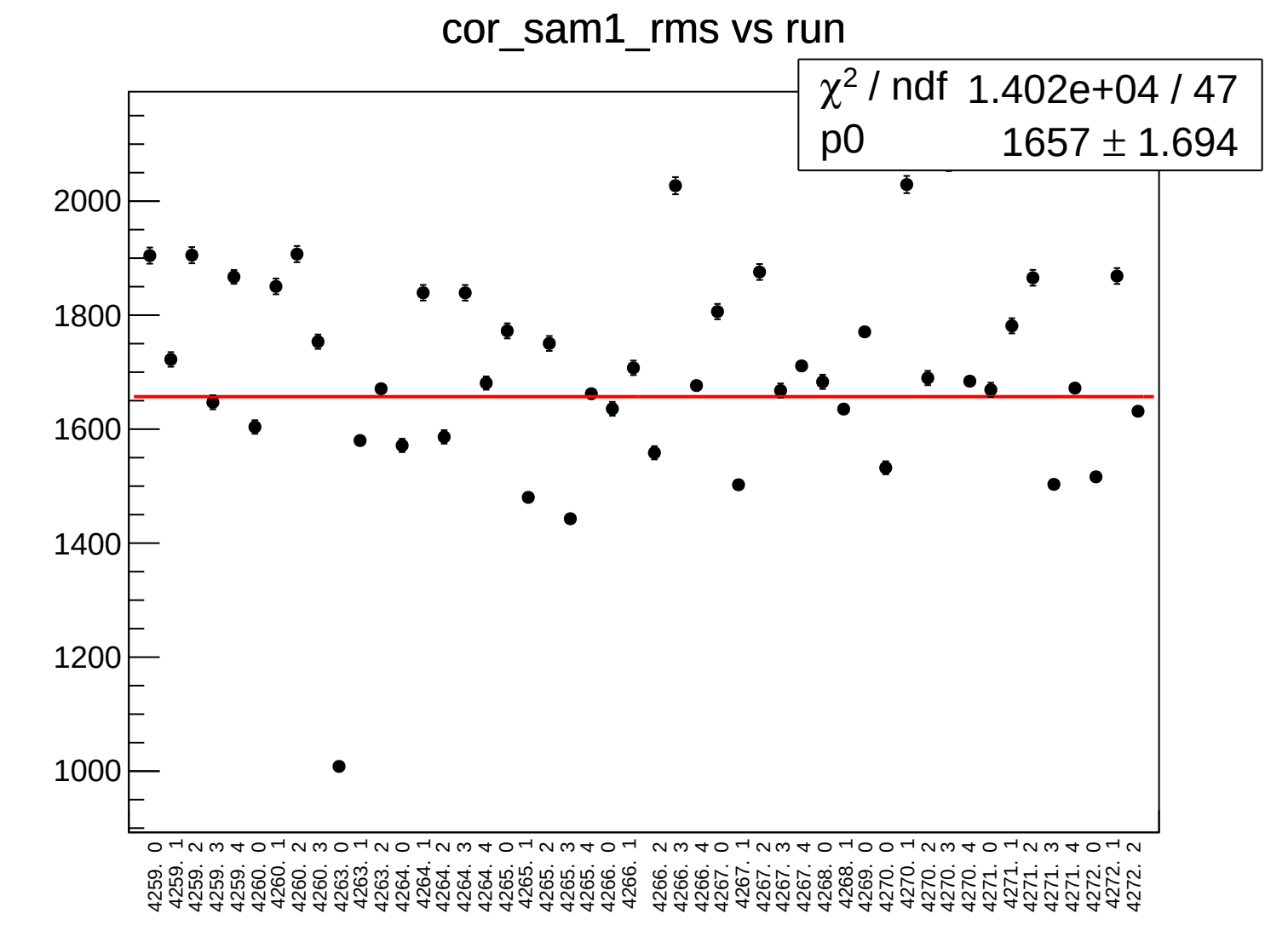

yield_sam7_rms vs run
χ² / ndf 1.822e+05 / 47
p0 0.1033 ± 0.0001164
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

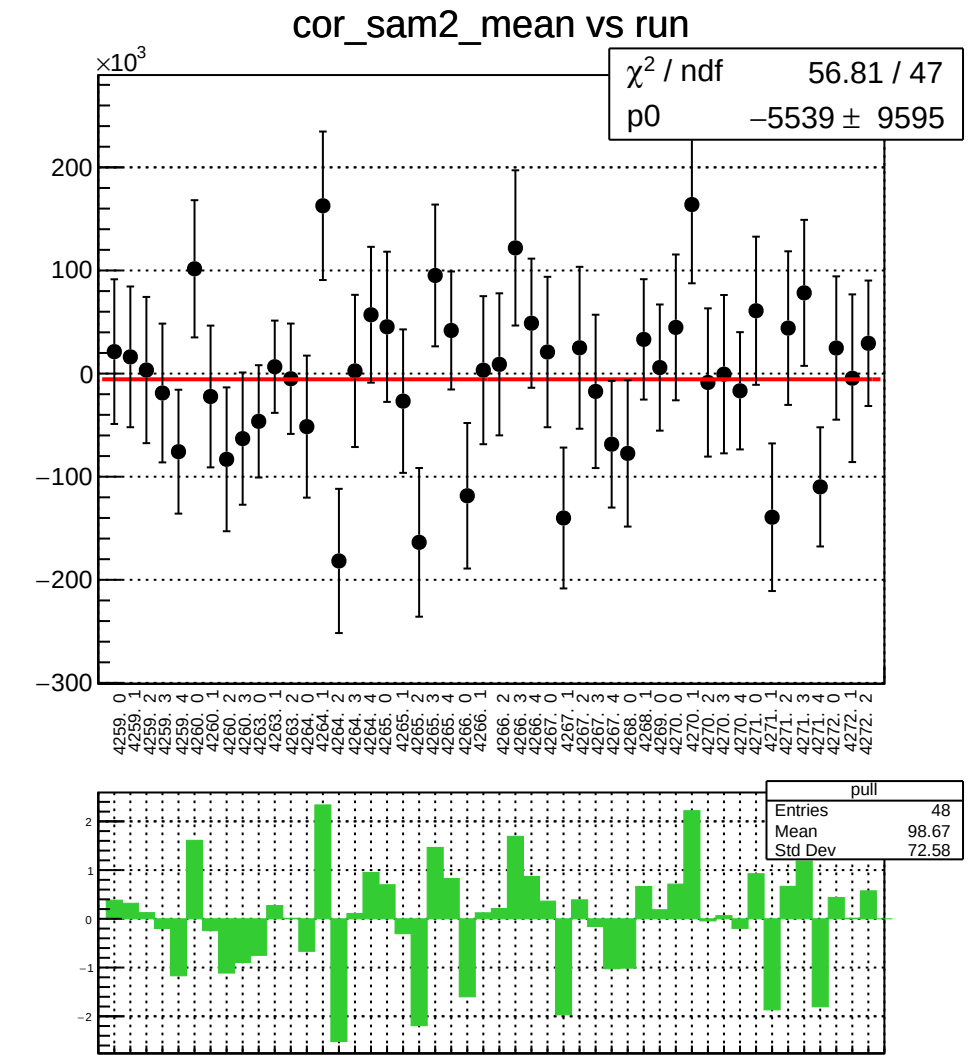

yield_sam8_mean vs run
χ² / ndf 1.26e+06 / 47
p0 8.043 ± 7.954e−05
8.5
8.4
8.3
8.2
8.1
8
7.9
7.8
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 45.05
Std Dev 25.01
500
400
300
200
100
0
−100
−200
−300

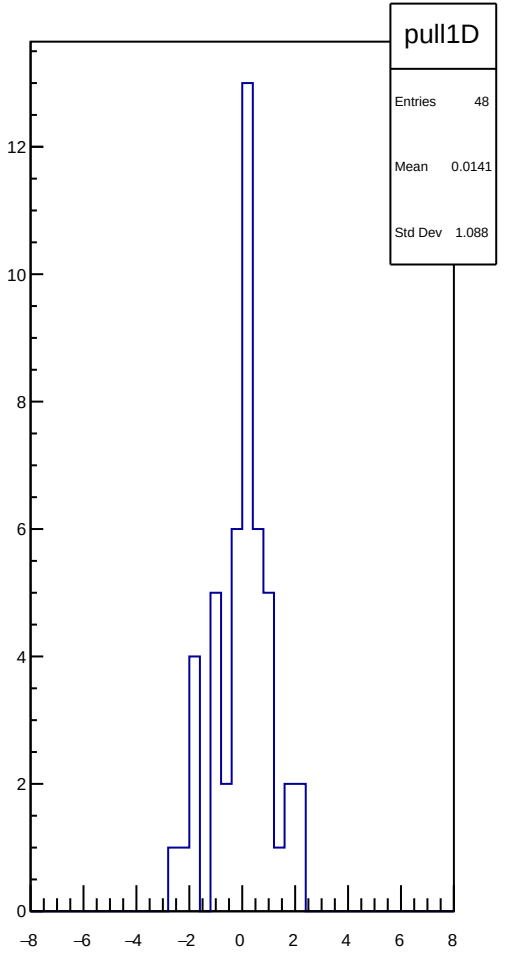

pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

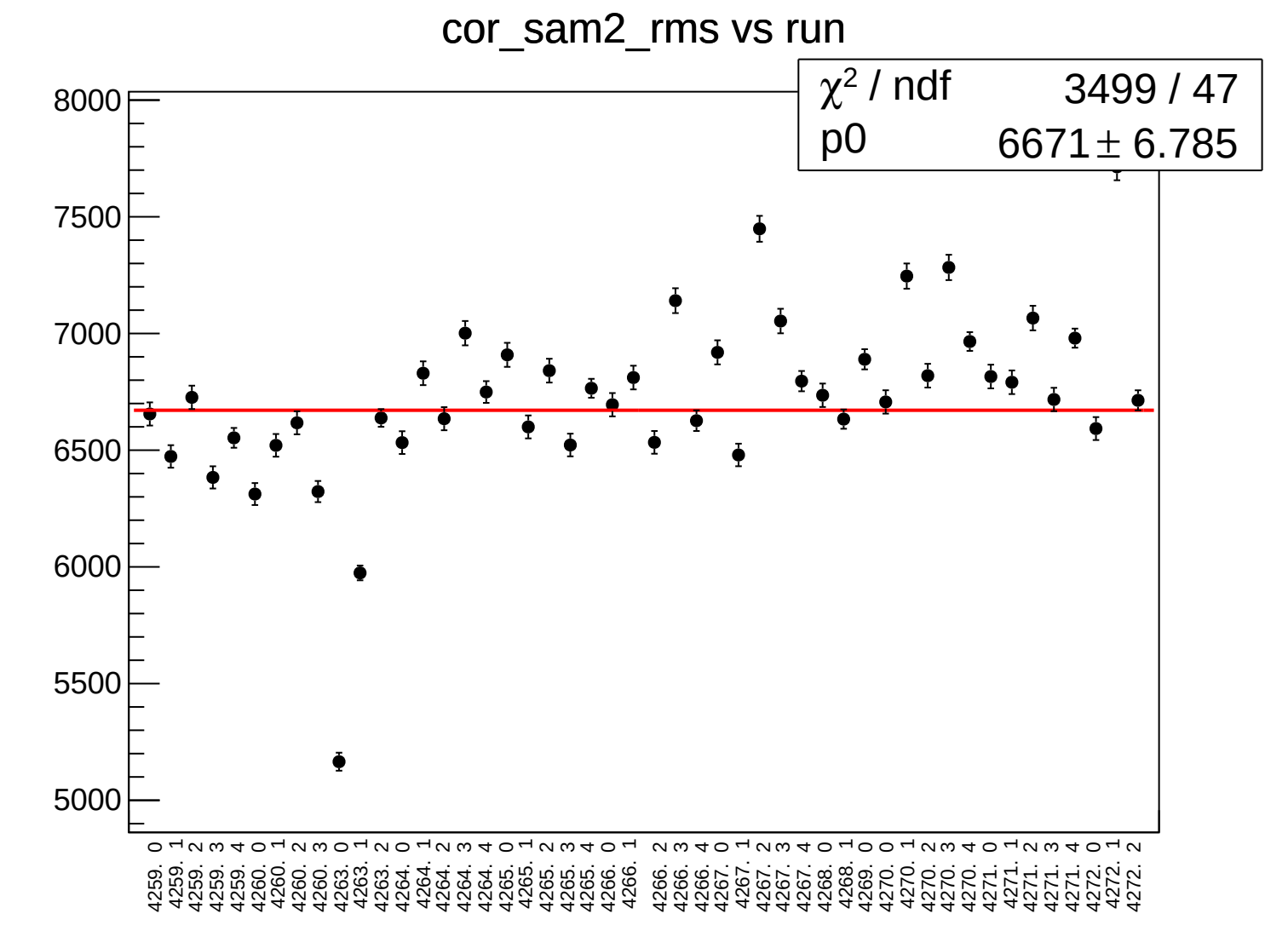

yield_sam8_rms vs run
χ² / ndf 1.641e+05 / 47
p0 0.0505 ± 5.624e−05
0.3
0.25
0.2
0.15
0.1
0.05
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

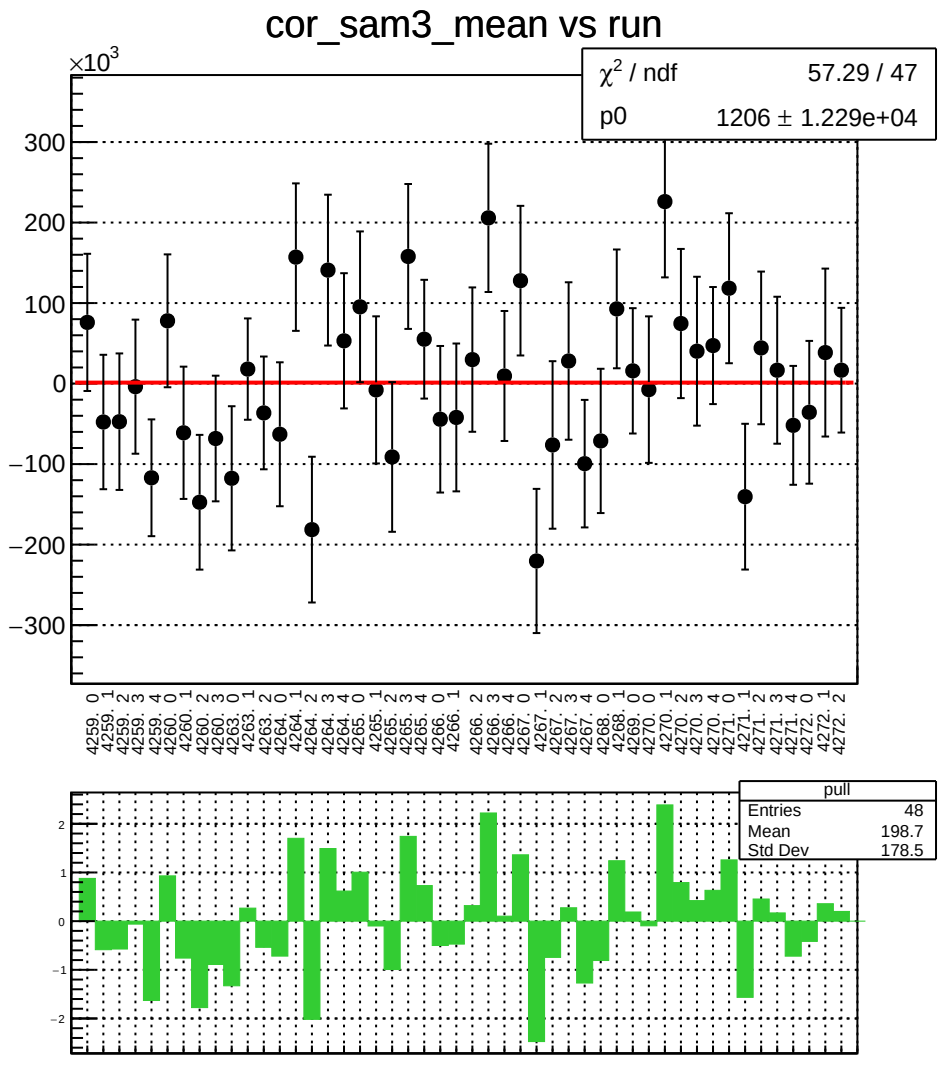

cor_sam1_mean vs run
χ² / ndf 47.99 / 47
p0 −177.7 ± 2396
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −114.6
Std Dev 134.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean 0.0245
Std Dev 0.9996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

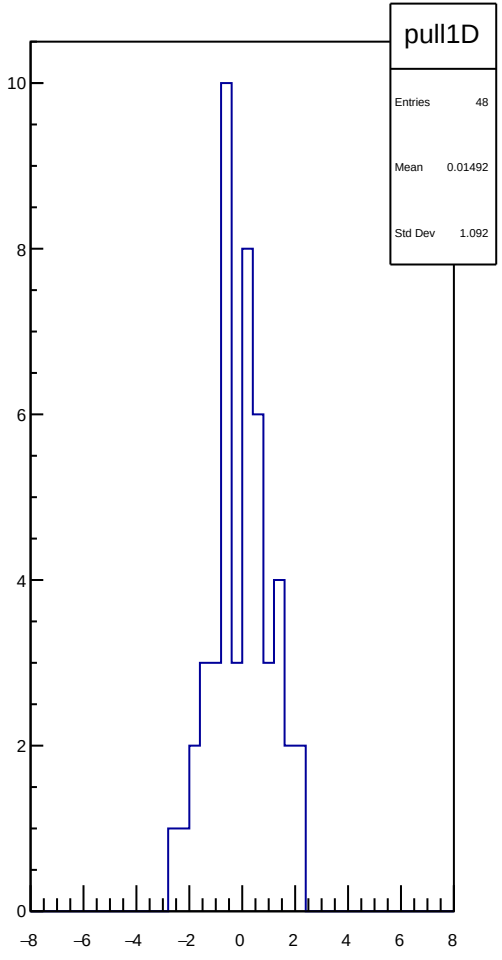

cor_sam1_rms vs run
χ² / ndf 1.402e+04 / 47
p0 1657 ± 1.694
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

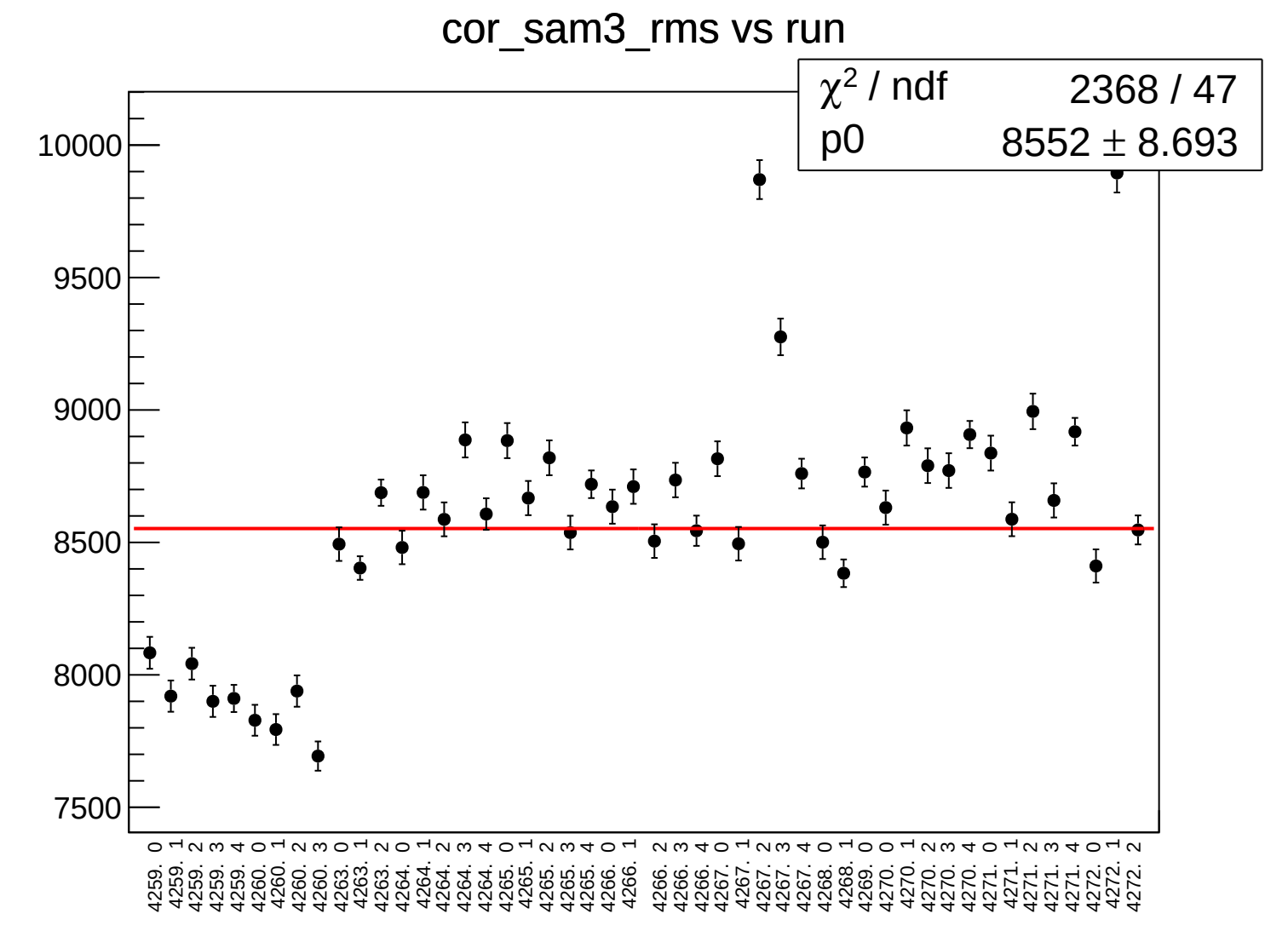

cor_sam2_mean vs run
×10^3
χ² / ndf 56.81 / 47
p0 −5539 ± 9595
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 98.67
Std Dev 72.58
2
1
0
−1
−2

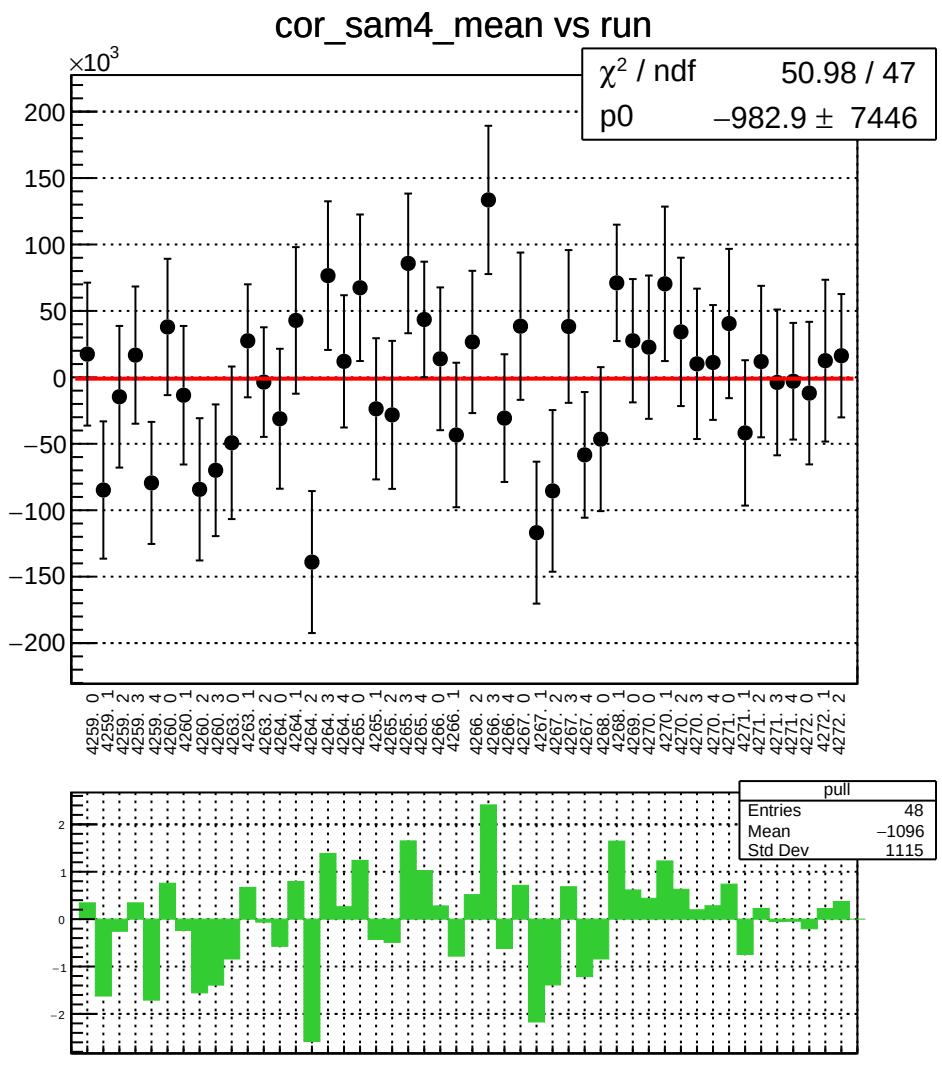

pull1D
Entries 48
Mean 0.0141
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

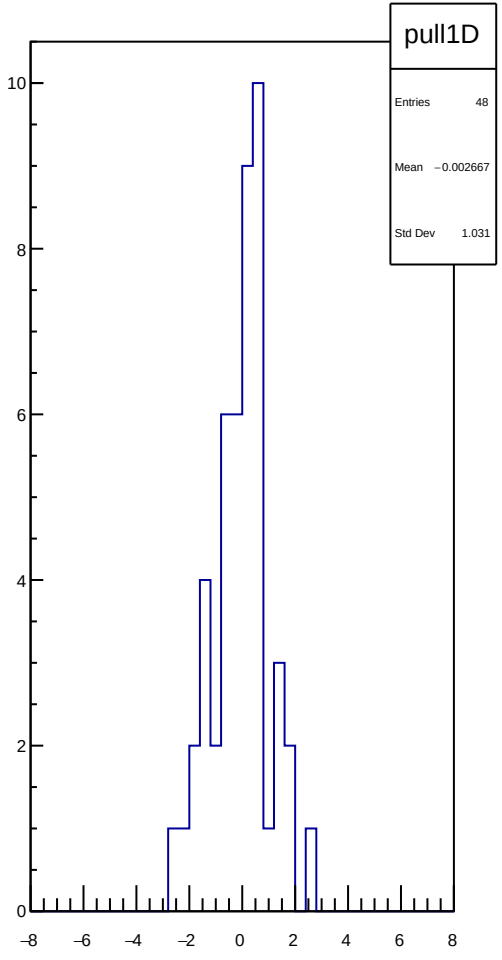

cor_sam2_rms vs run
χ² / ndf 3499 / 47
p0 6671 ± 6.785
8000
7500
7000
6500
6000
5500
5000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

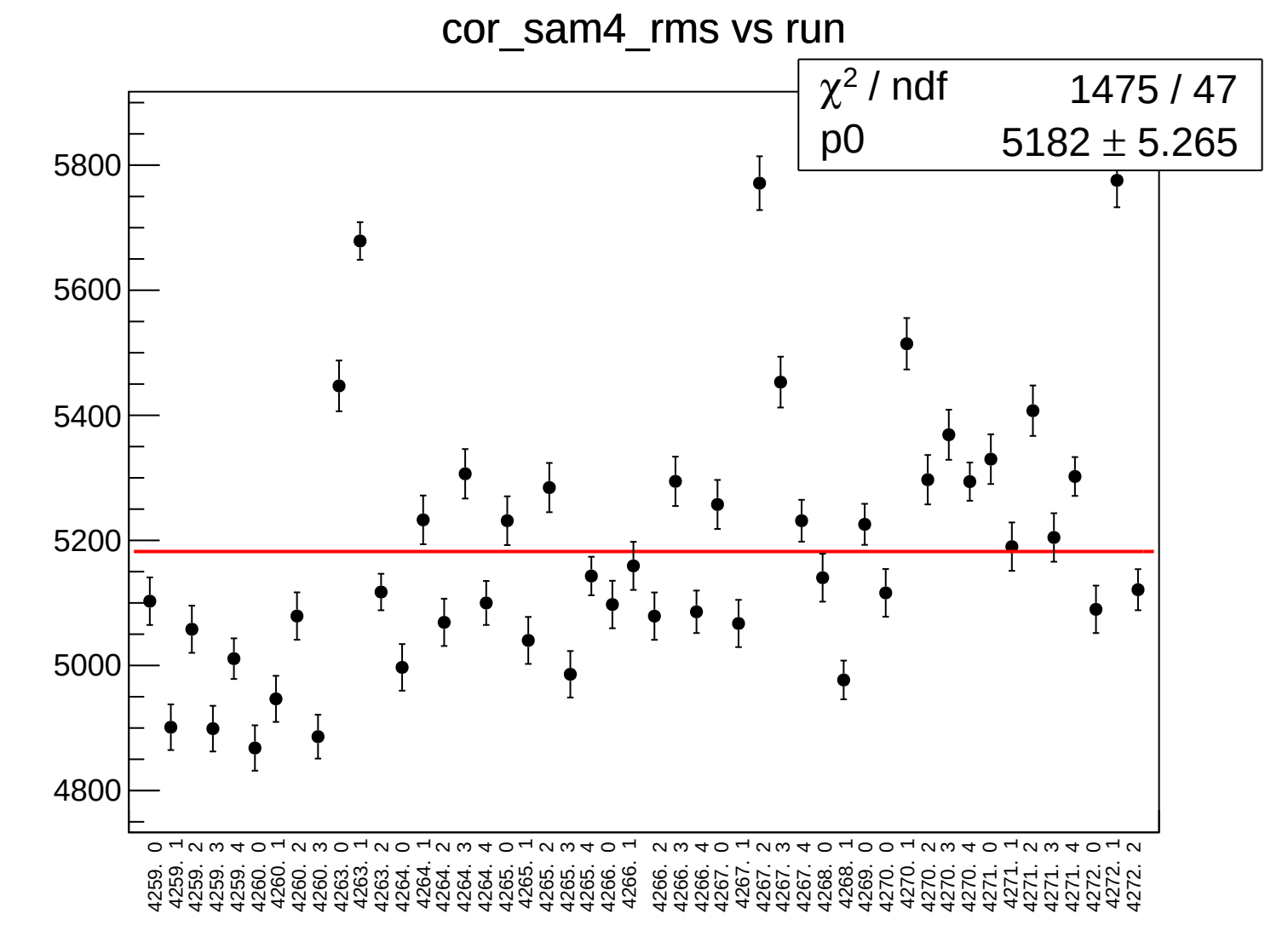

cor_sam3_mean vs run
×10^3
χ² / ndf 57.29 / 47
p0 1206 ± 1.229e+04
300
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 198.7
Std Dev 178.5
2
1
0
−1
−2

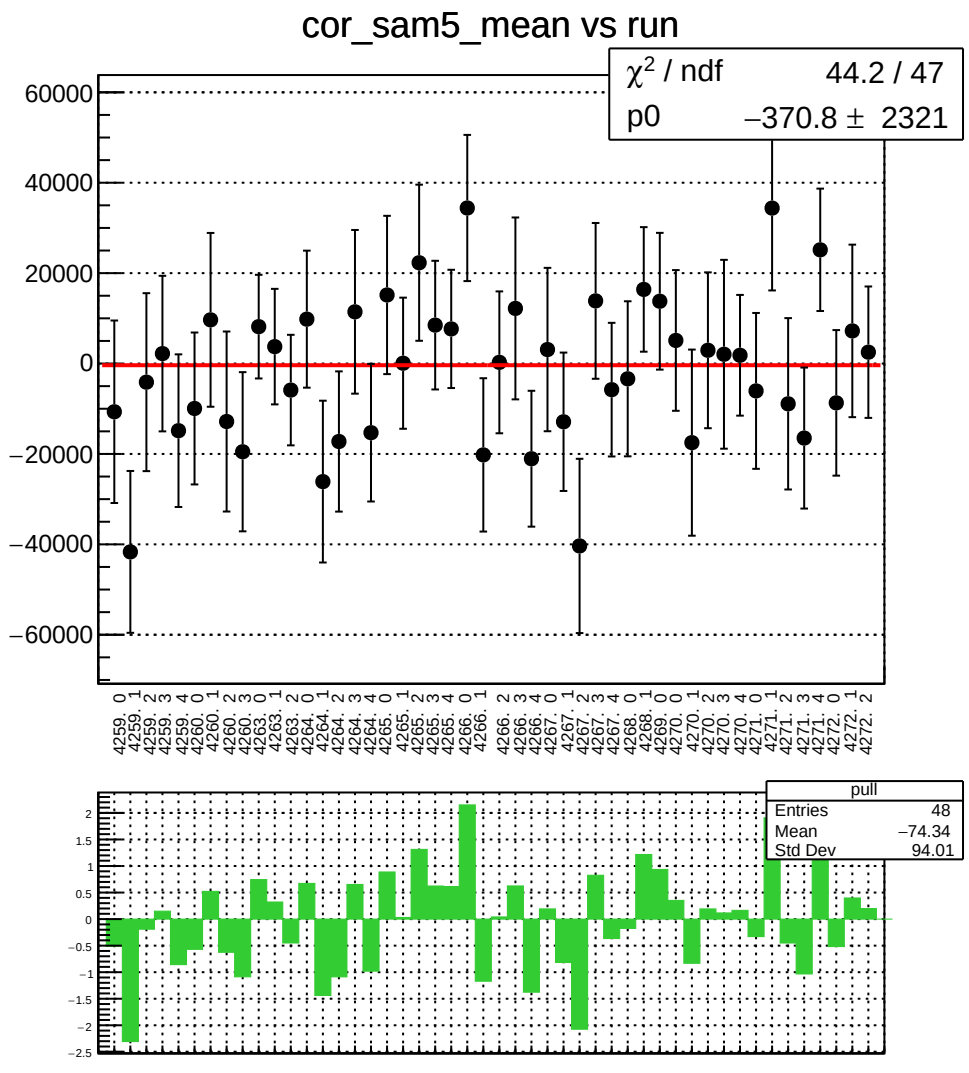

pull1D
Entries 48
Mean 0.01492
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

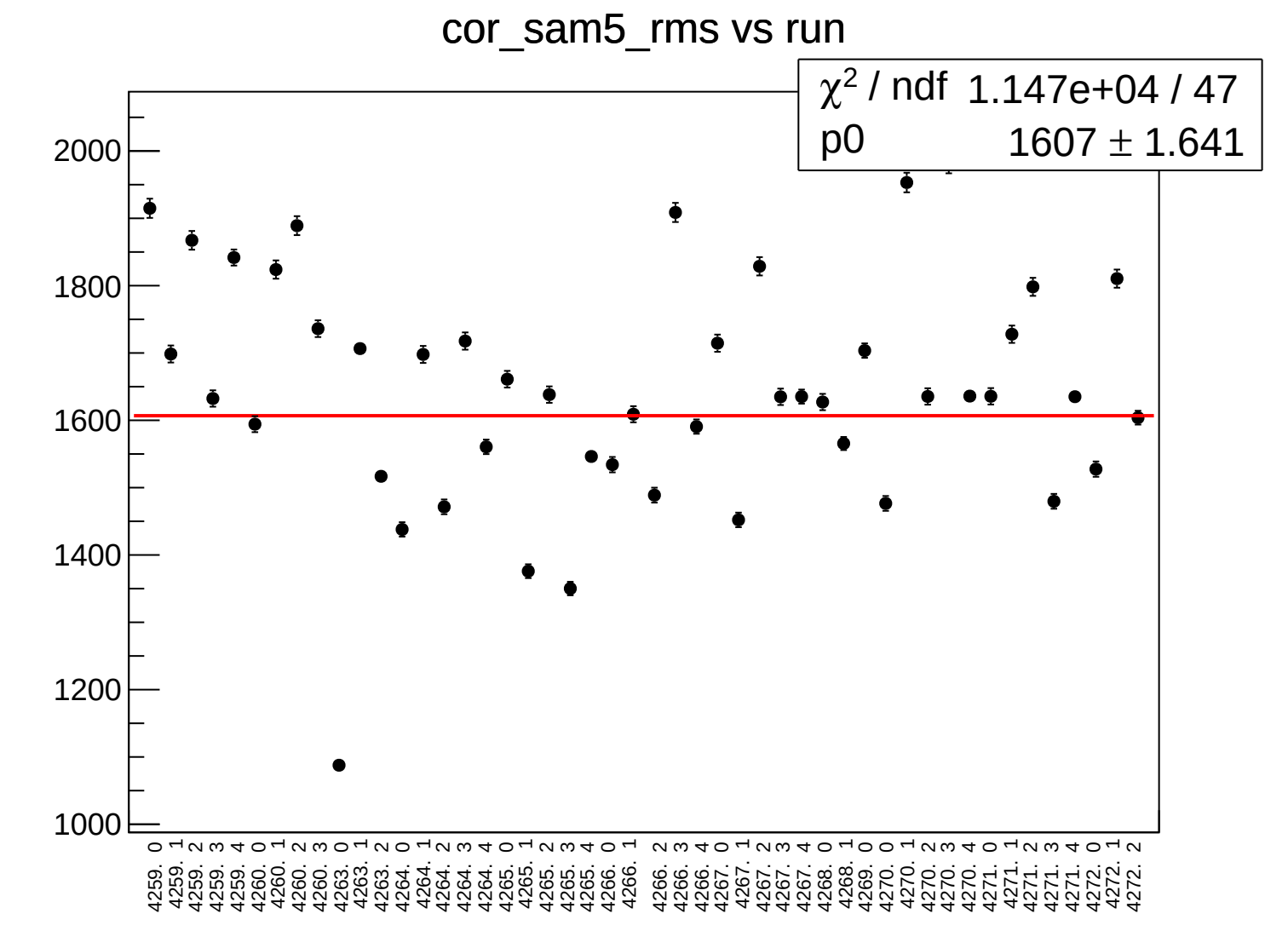

cor_sam3_rms vs run
χ^2 / ndf 2368 / 47
p0 8552 ± 8.693
10000
9500
9000
8500
8000
7500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

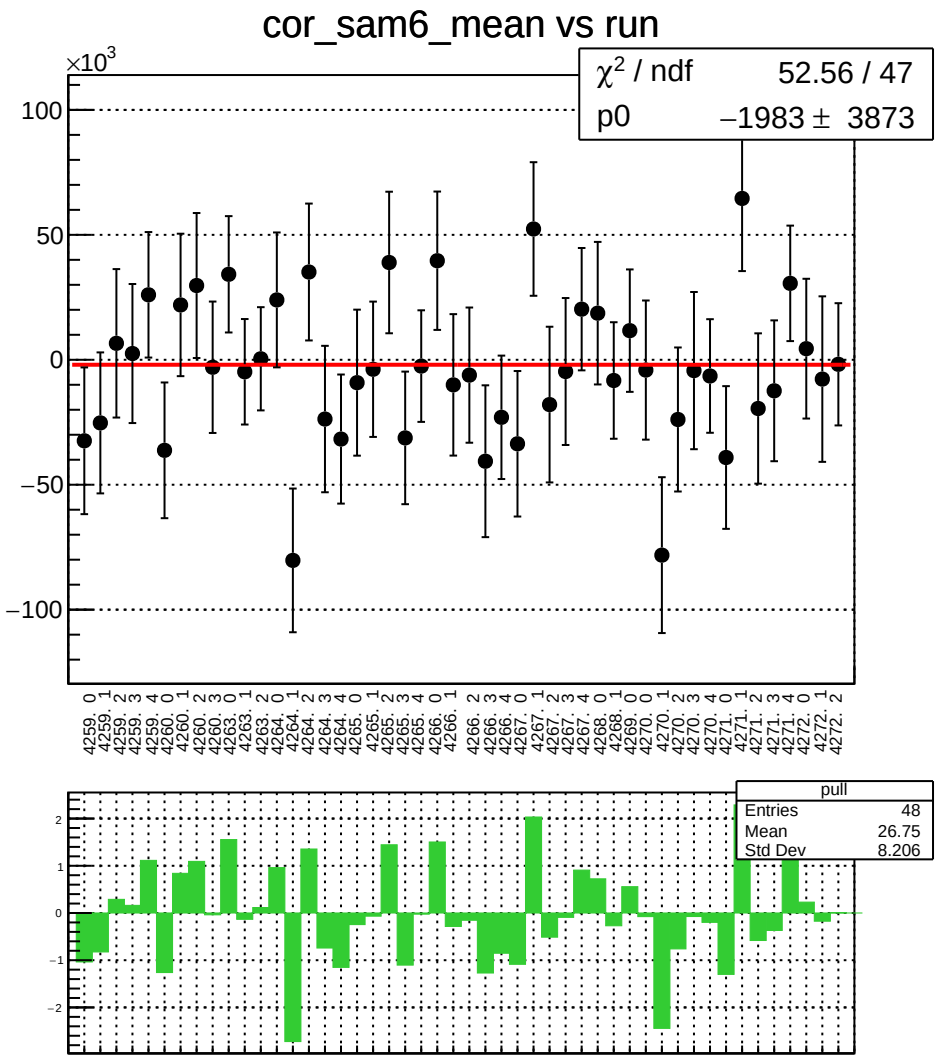

cor_sam4_mean vs run
×10^3
χ² / ndf 50.98 / 47
p0 −982.9 ± 7446
200
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1096
Std Dev 1115
2
1
0
−1
−2

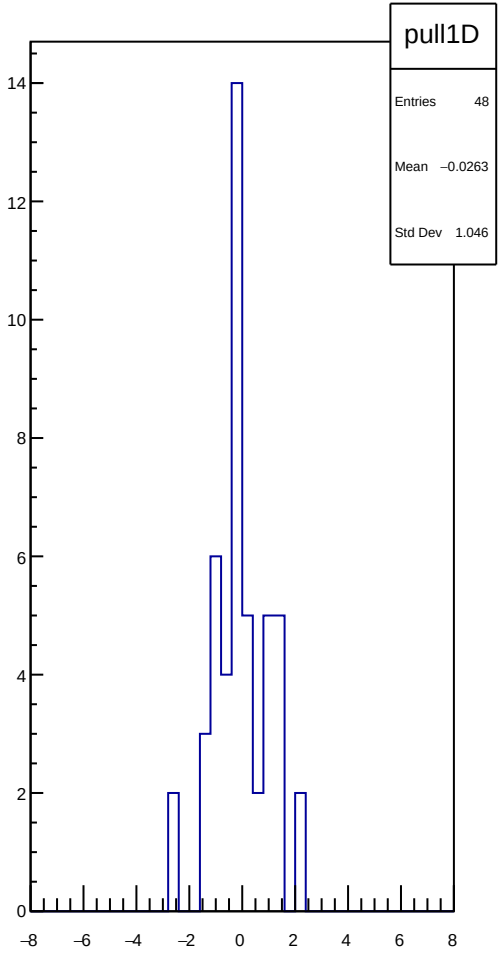

pull1D
Entries 48
Mean −0.002667
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

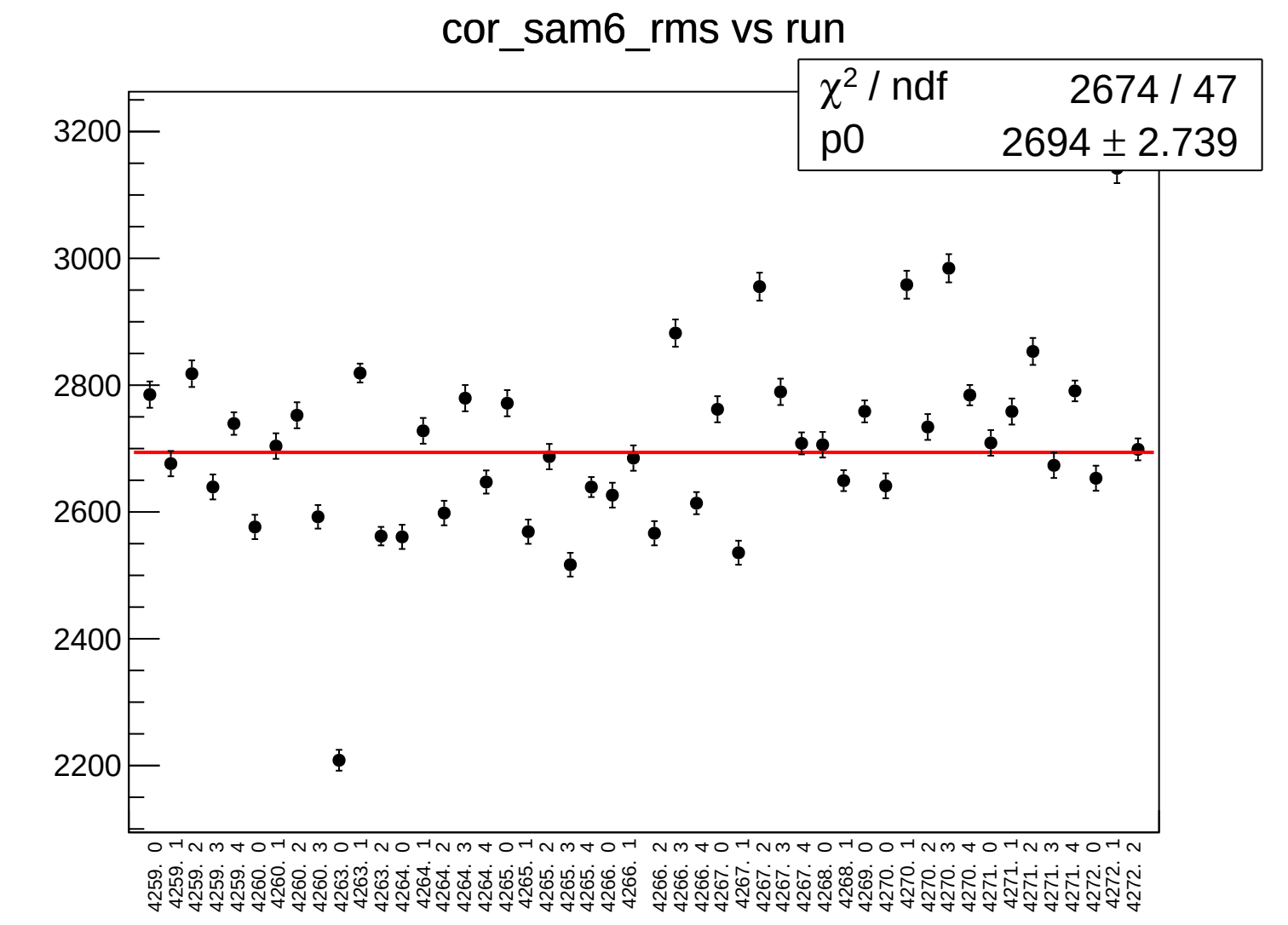

cor_sam4_rms vs run
χ² / ndf 1475 / 47
p0 5182 ± 5.265
5800
5600
5400
5200
5000
4800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

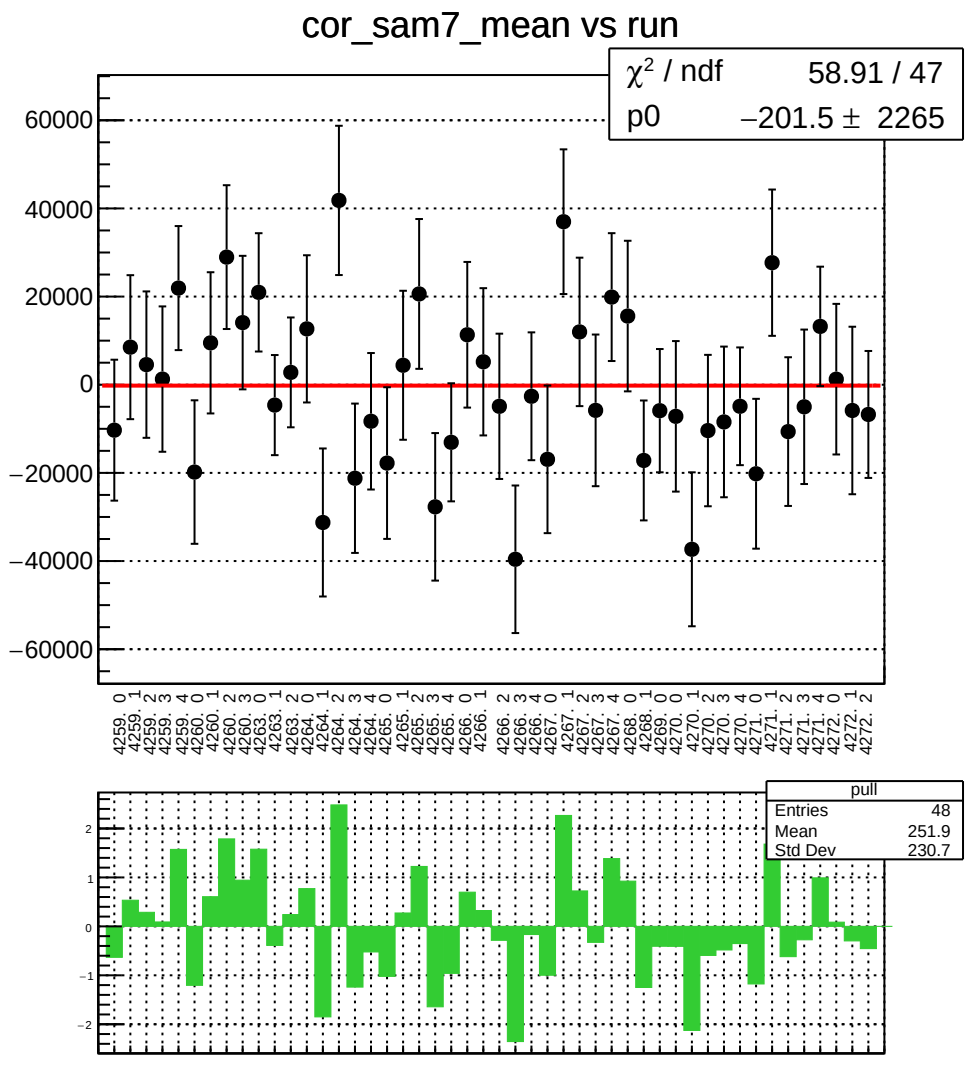

cor_sam5_mean vs run
χ² / ndf 44.2 / 47
p0 −370.8 ± 2321
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −74.34
Std Dev 94.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 48
Mean −0.03151
Std Dev 0.9591
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

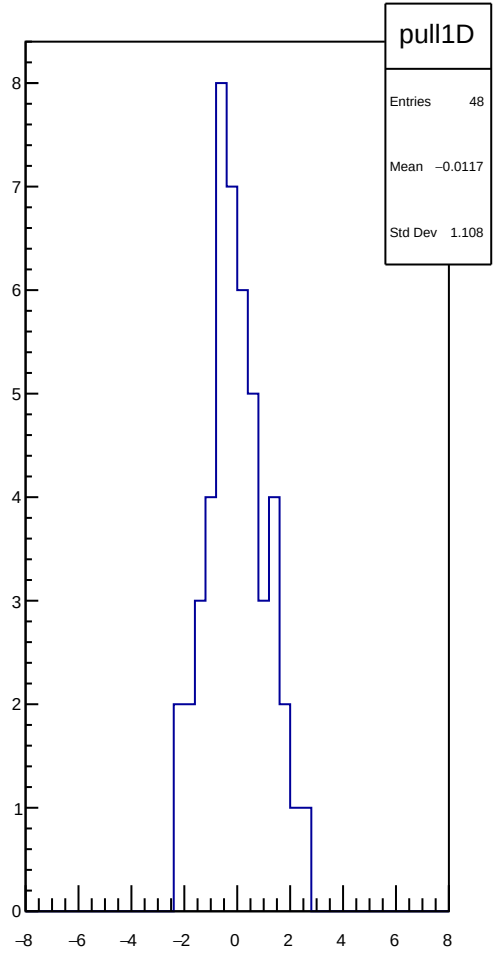

cor_sam5_rms vs run
χ² / ndf 1.147e+04 / 47
p0 1607 ± 1.641
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

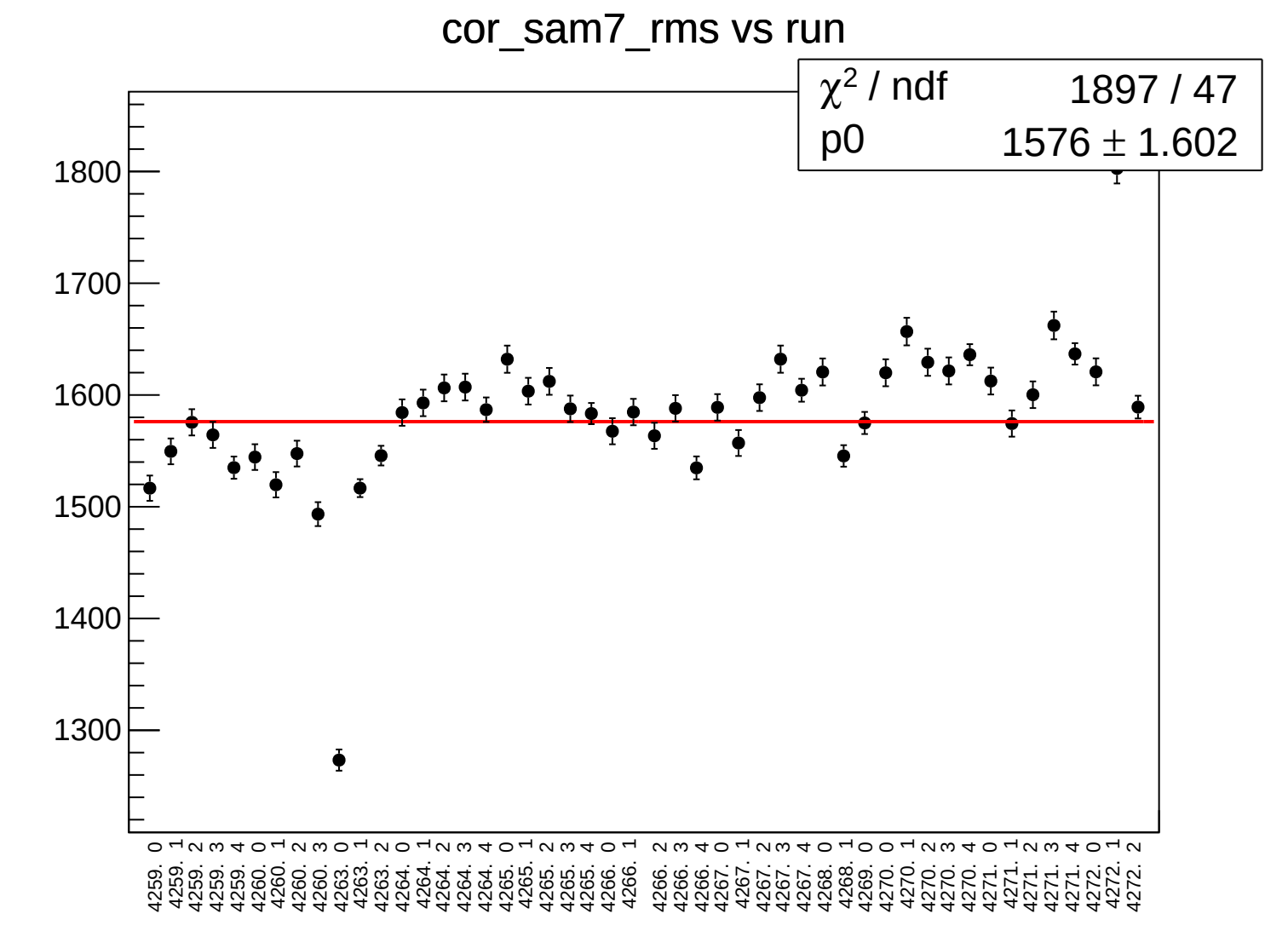

cor_sam6_mean vs run
×10^3
χ^2 / ndf 52.56 / 47
p0 −1983 ± 3873
100
50
0
−50
−100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 26.75
Std Dev 8.206
2
1
0
−1
−2

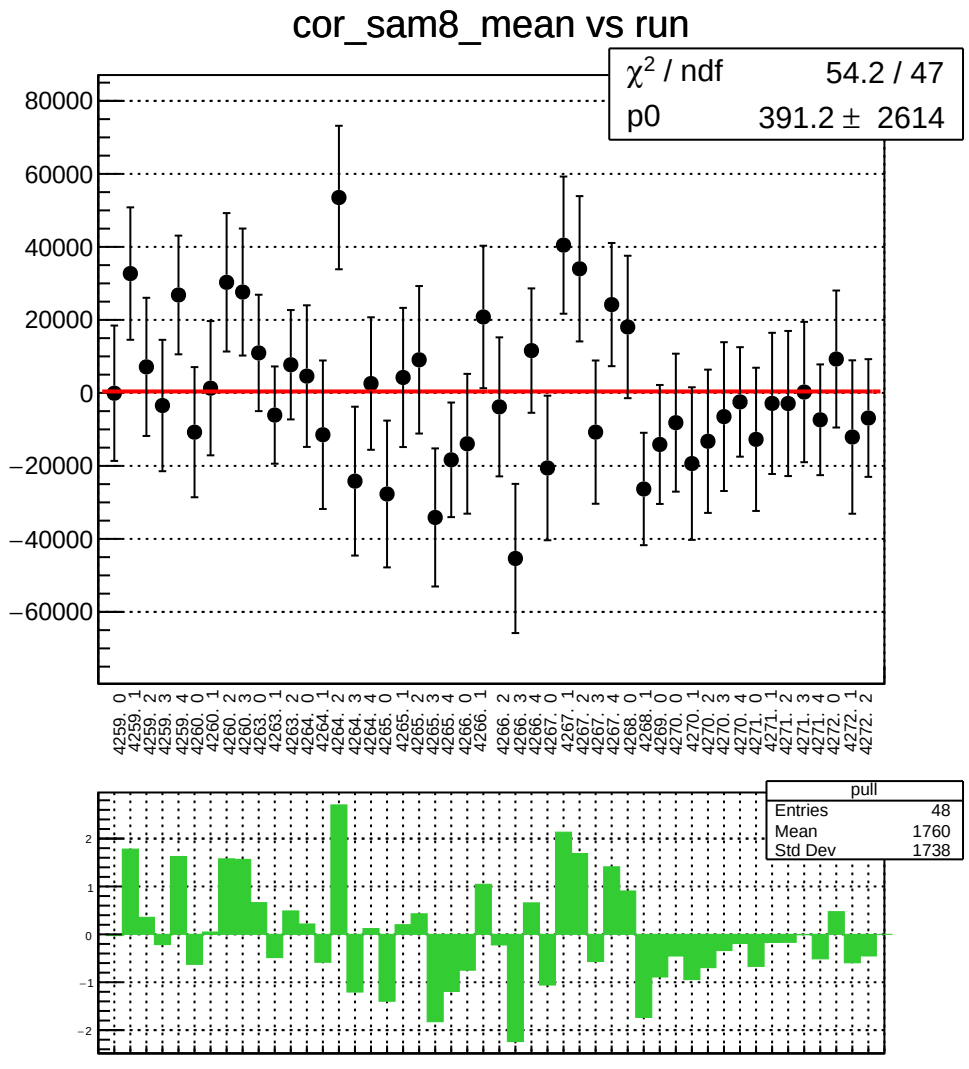

pull1D
Entries 48
Mean −0.0263
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

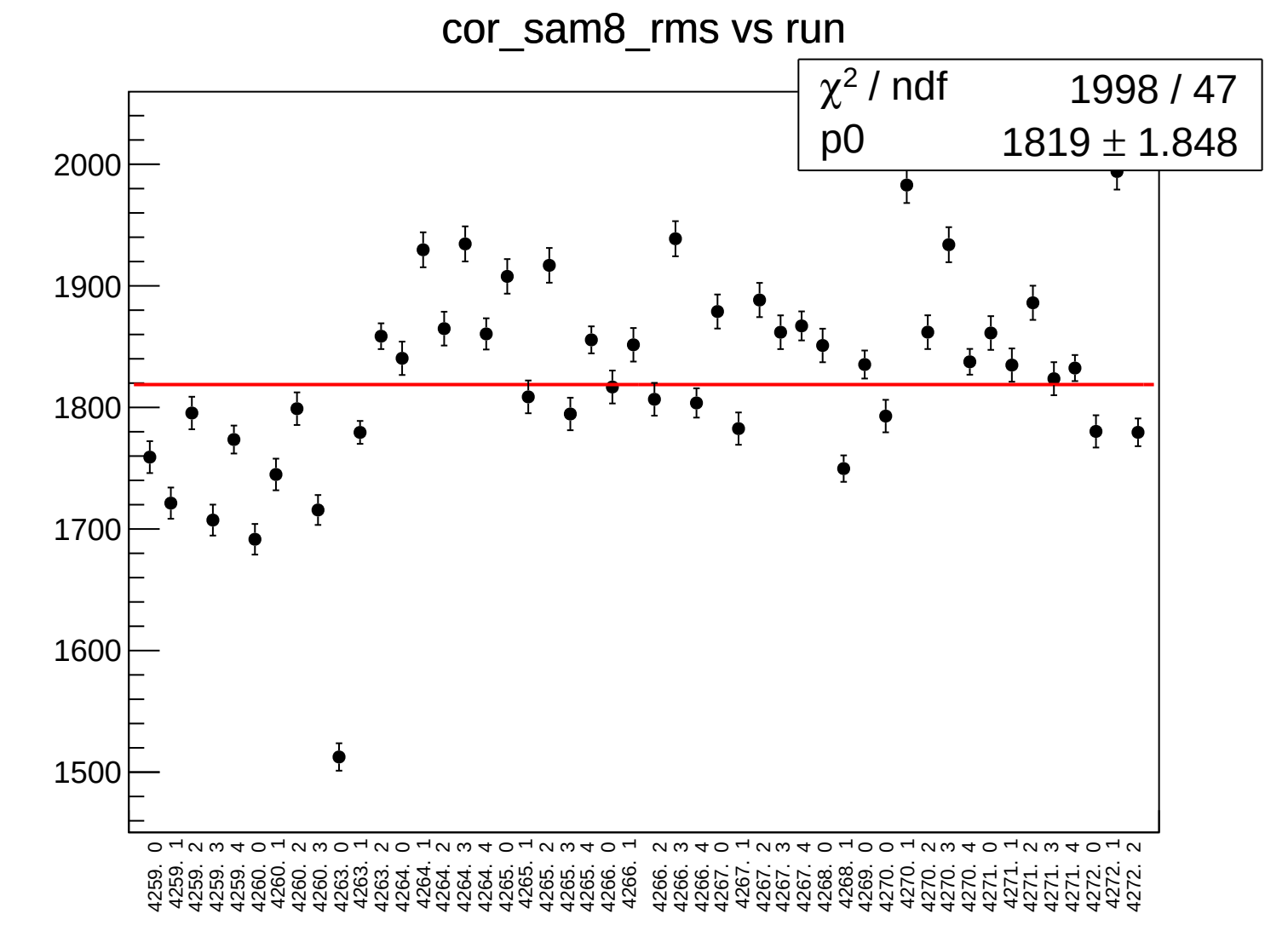

cor_sam6_rms vs run
χ² / ndf 2674 / 47
p0 2694 ± 2.739
3200
3000
2800
2600
2400
2200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

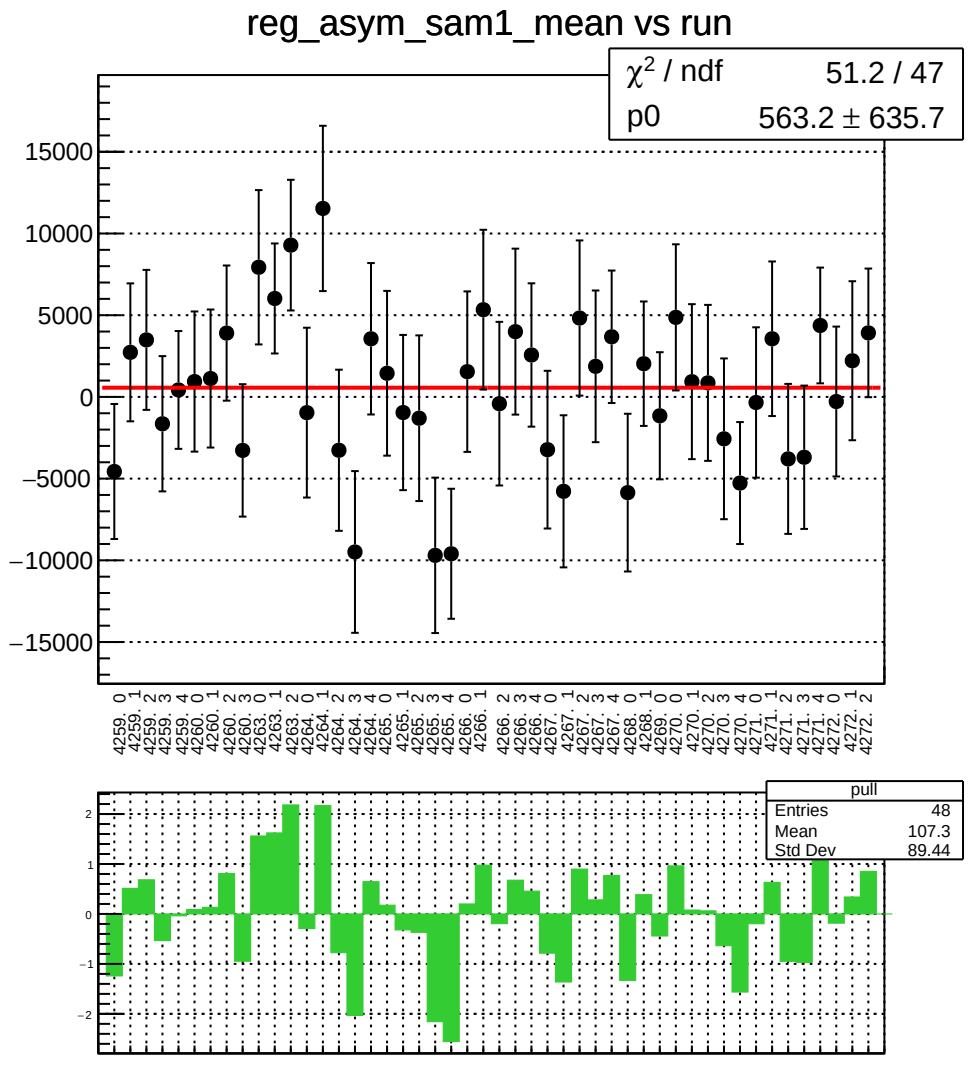

cor_sam7_mean vs run
χ² / ndf 58.91 / 47
p0 −201.5 ± 2265
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 251.9
Std Dev 230.7
2
1
0
−1
−2

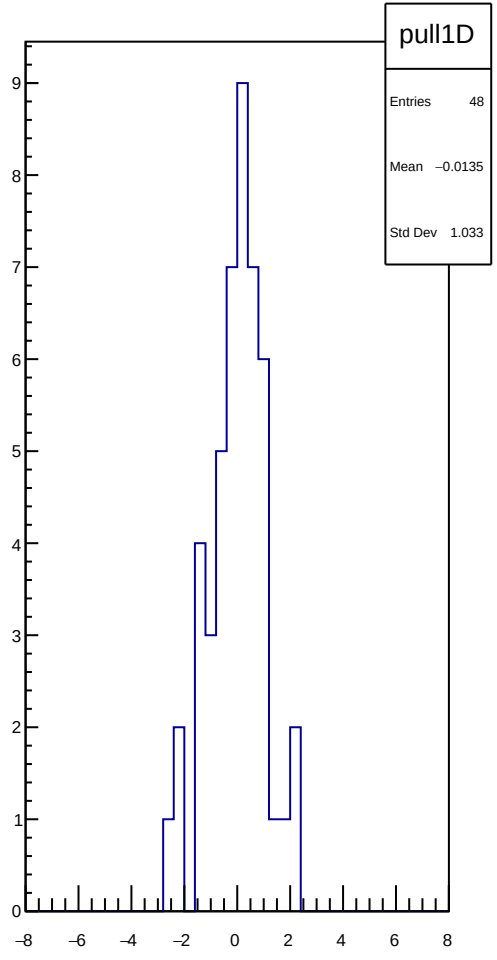

pull1D
Entries 48
Mean −0.0117
Std Dev 1.108
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

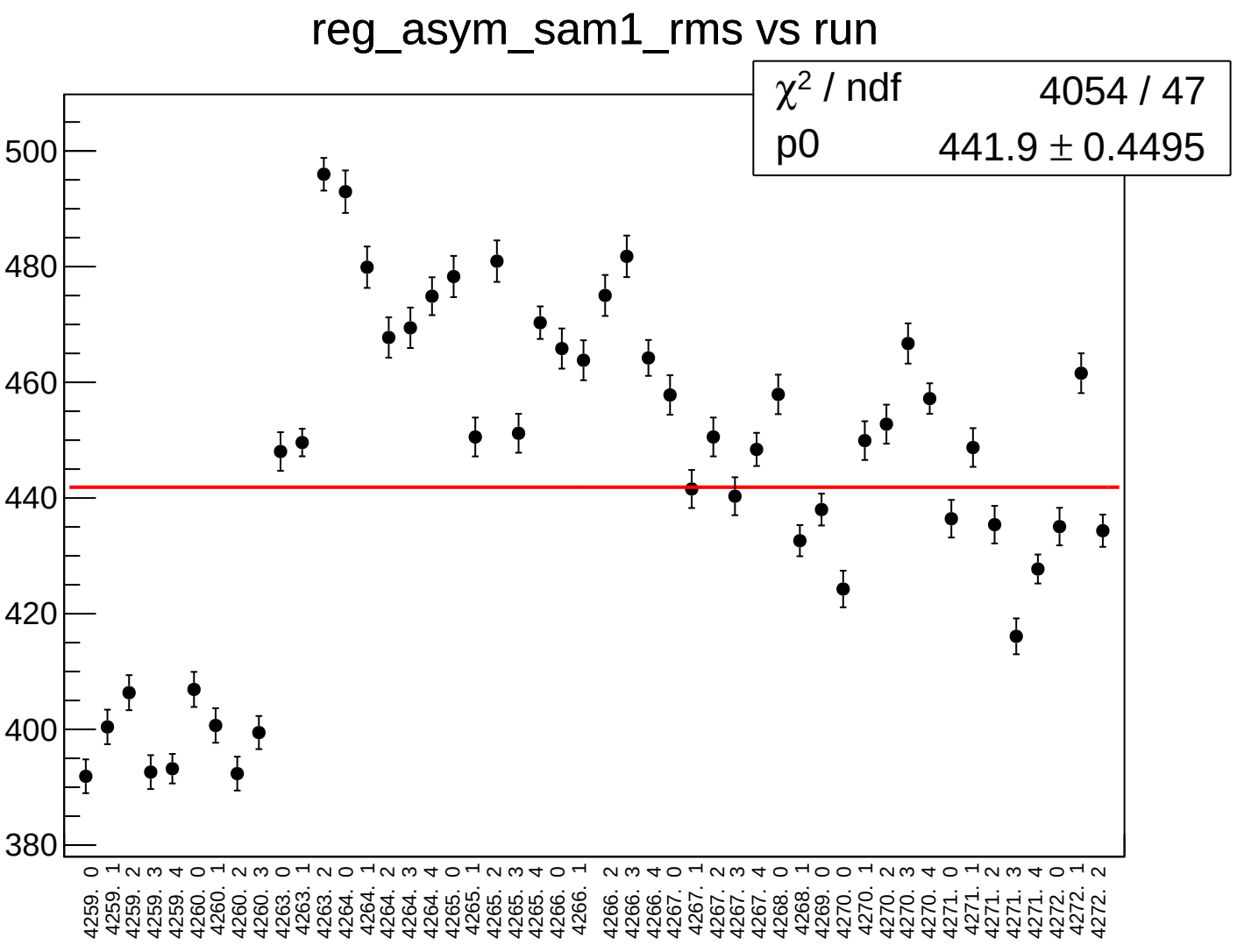

cor_sam7_rms vs run
χ² / ndf 1897 / 47
p0 1576 ± 1.602
1800
1700
1600
1500
1400
1300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

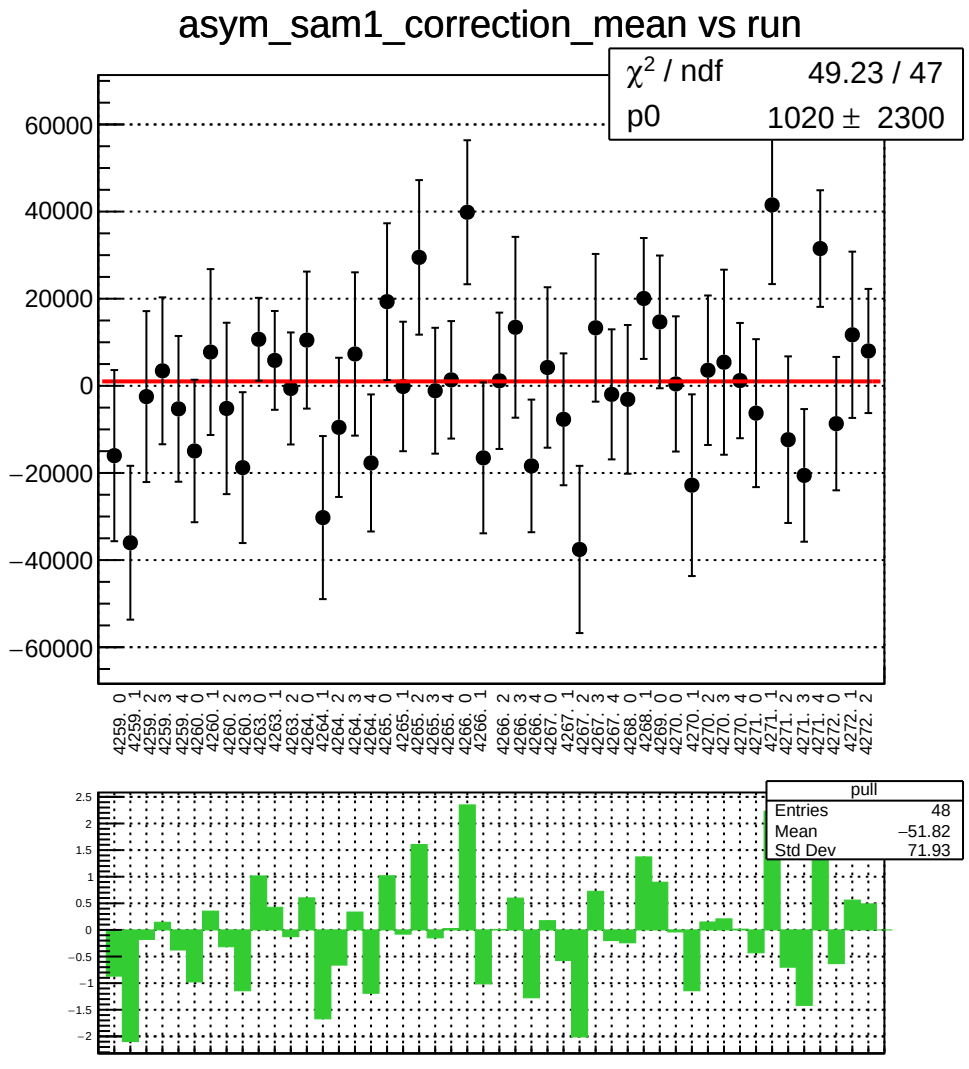

cor_sam8_mean vs run
χ² / ndf 54.2 / 47
p0 391.2 ± 2614
80000
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1760
Std Dev 1738
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.002322
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

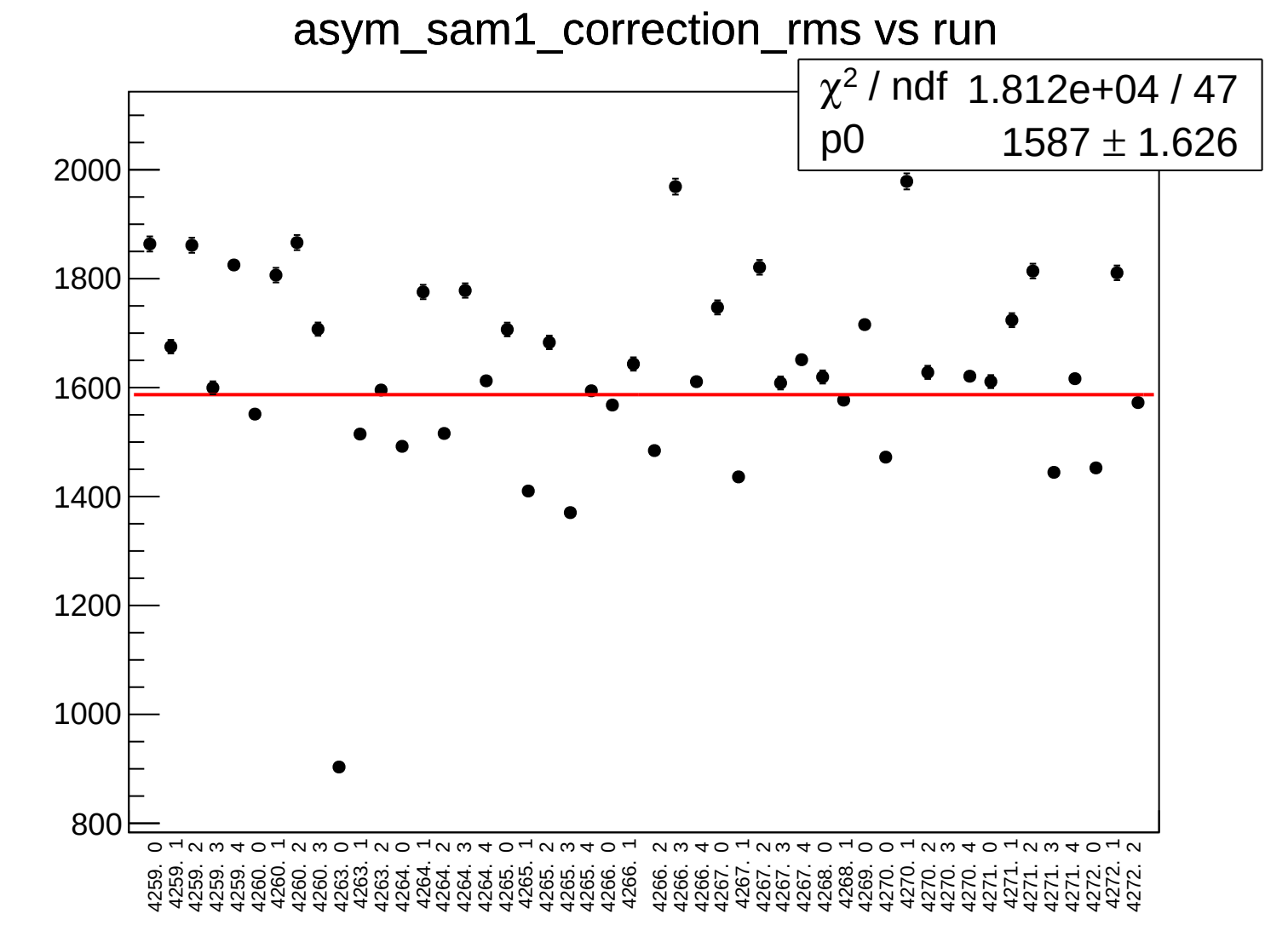

cor_sam8_rms vs run
χ² / ndf 1998 / 47
p0 1819 ± 1.848
2000
1900
1800
1700
1600
1500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

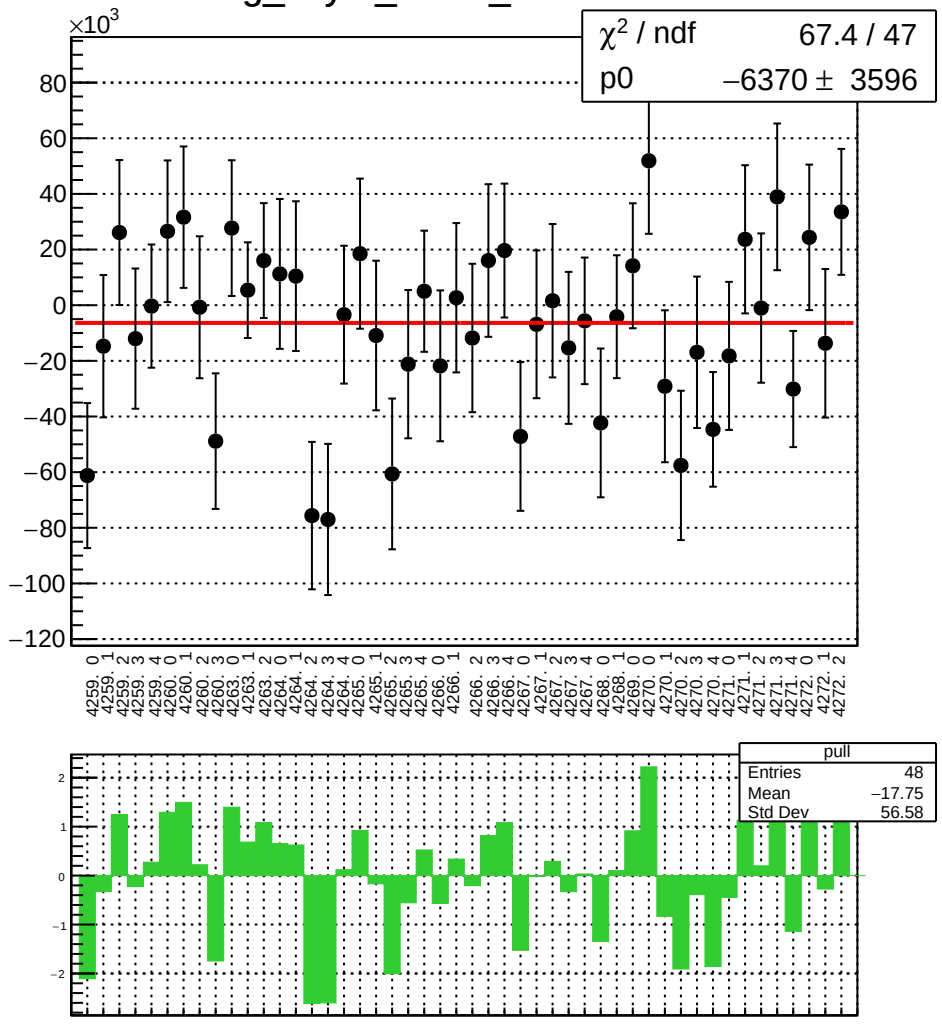

reg_asym_sam1_mean vs run
χ² / ndf 51.2 / 47
p0 563.2 ± 635.7
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 107.3
Std Dev 89.44
2
1
0
−1
−2

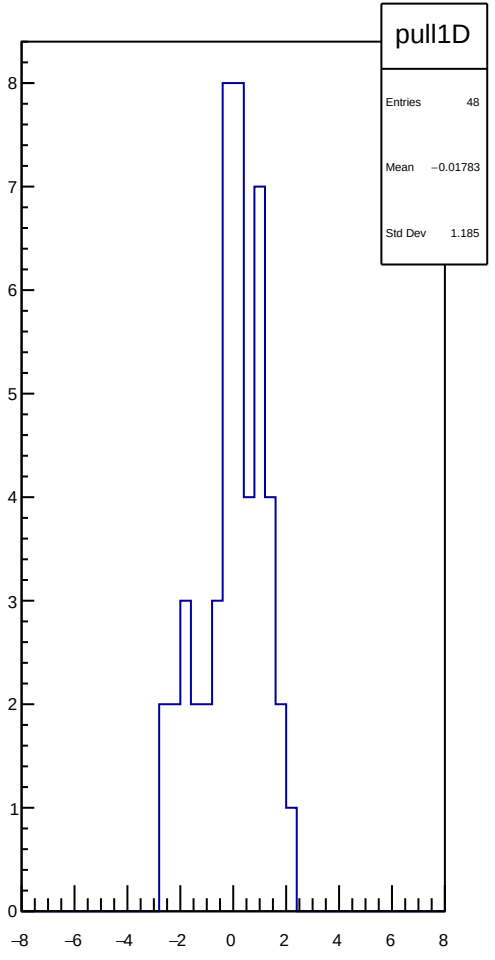

pull1D
Entries 48
Mean −0.0135
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

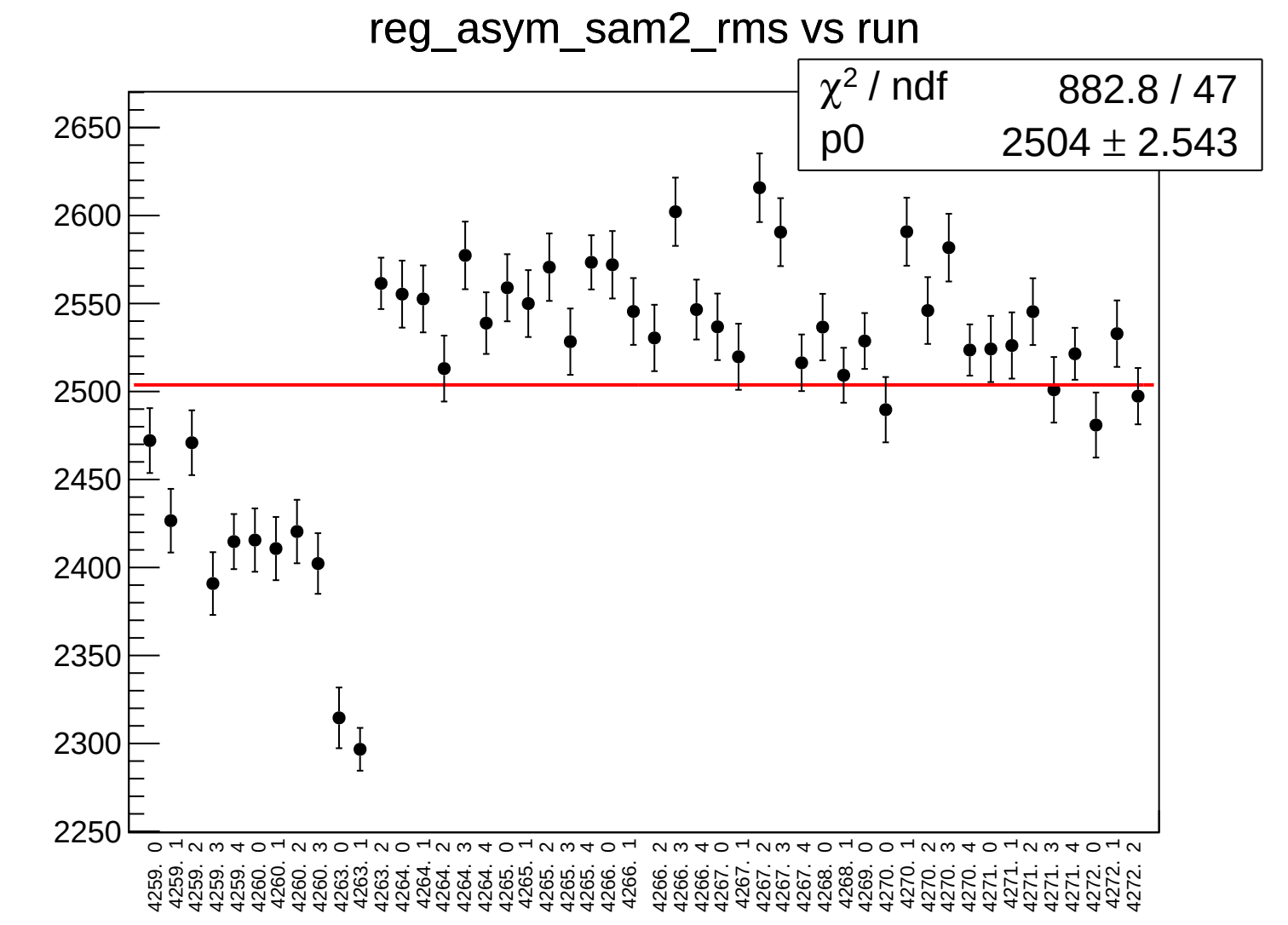

reg_asym_sam1_rms vs run
χ² / ndf 4054 / 47
p0 441.9 ± 0.4495
500
480
460
440
420
400
380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

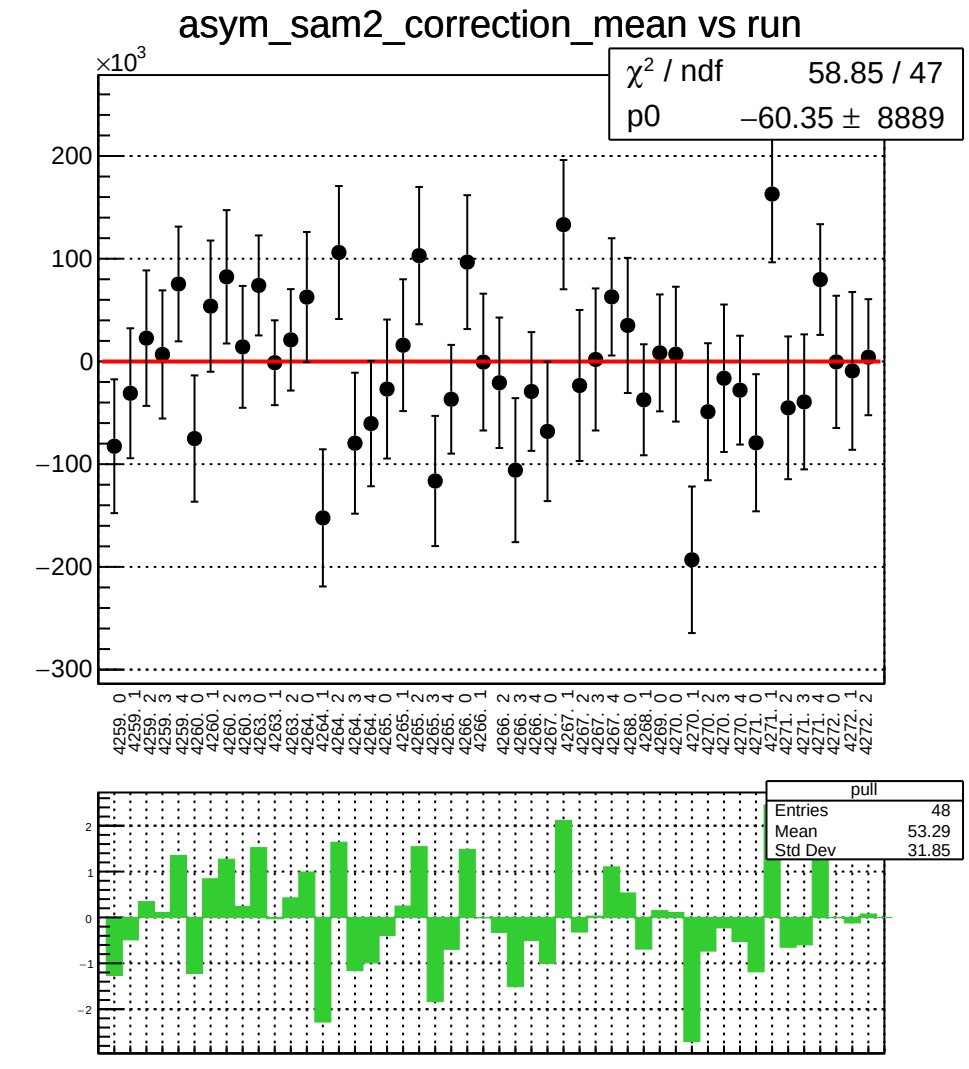

asym_sam1_correction_mean vs run
χ² / ndf 49.23 / 47
p0 1020 ± 2300
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −51.82
Std Dev 71.93
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean −0.04015
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

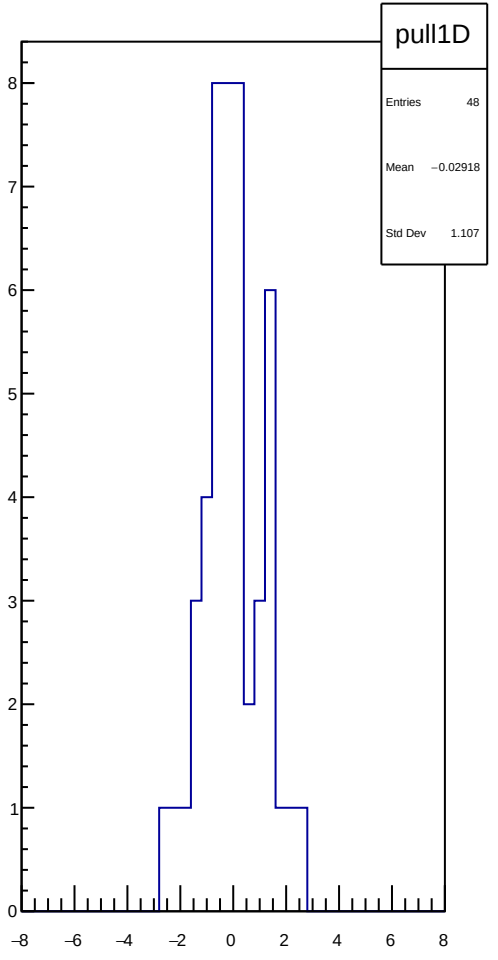

asym_sam1_correction_rms vs run
χ² / ndf 1.812e+04 / 47
p0 1587 ± 1.626
2000
1800
1600
1400
1200
1000
800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

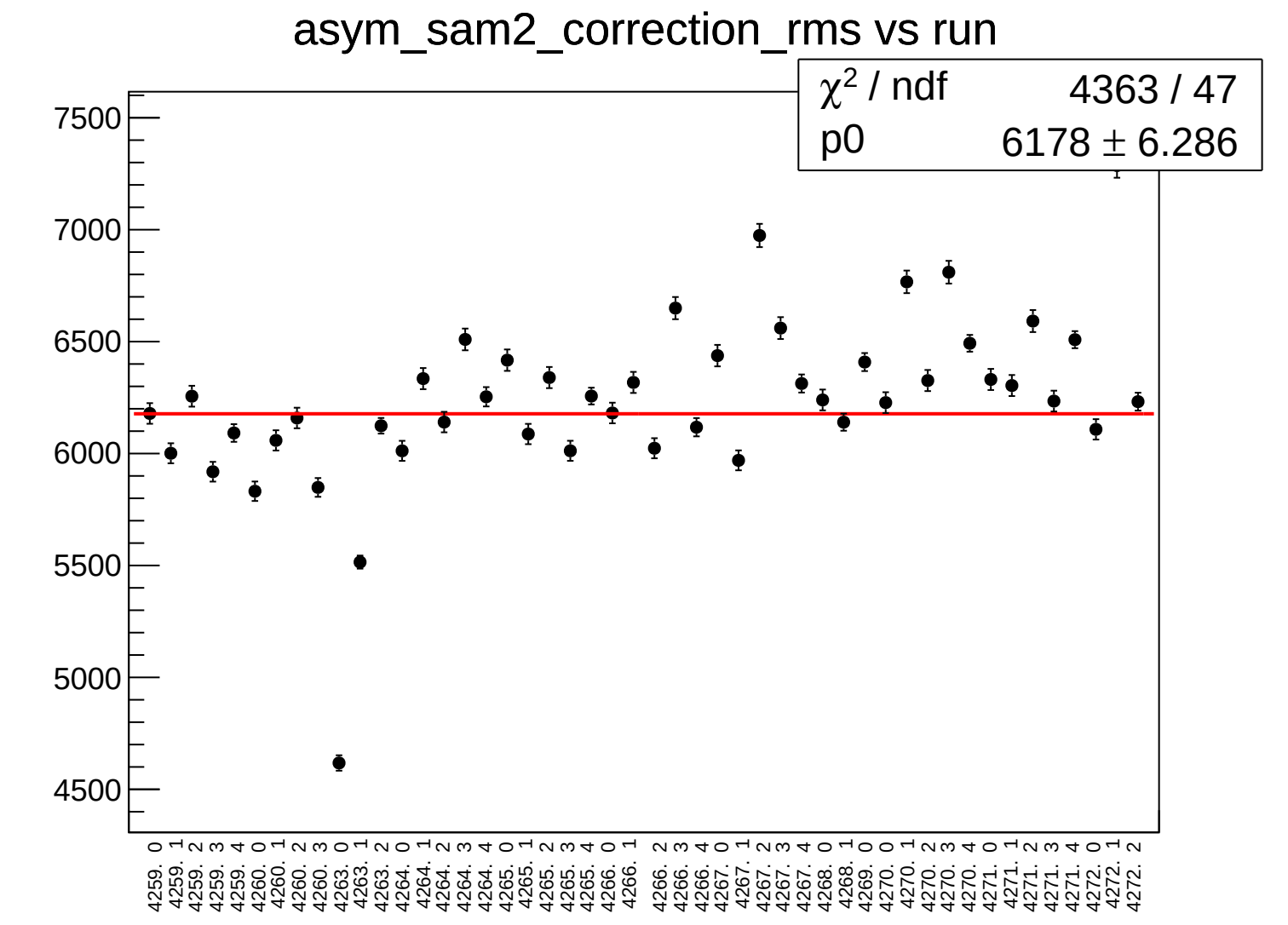

reg_asym_sam2_mean vs run
×10^3
χ² / ndf 67.4 / 47
p0 −6370 ± 3596
pull
Entries 48
Mean −17.75
Std Dev 56.58

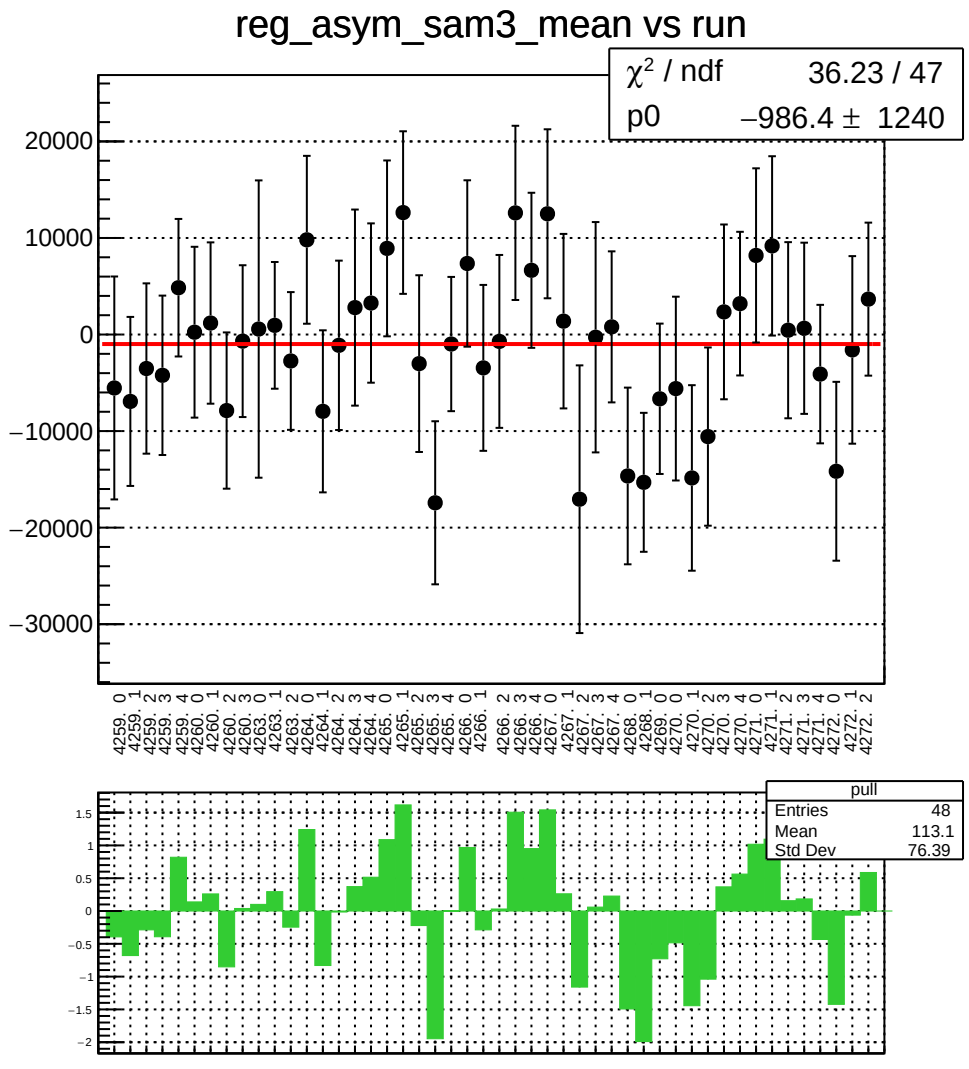

pull1D
Entries 48
Mean −0.01783
Std Dev 1.185

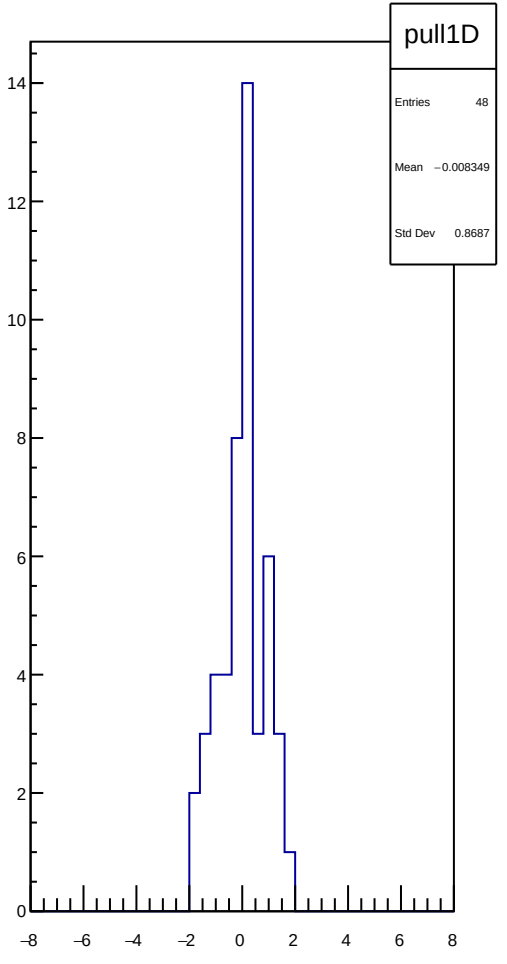

reg_asym_sam2_rms vs run
χ² / ndf 882.8 / 47
p0 2504 ± 2.543
2650
2600
2550
2500
2450
2400
2350
2300
2250
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

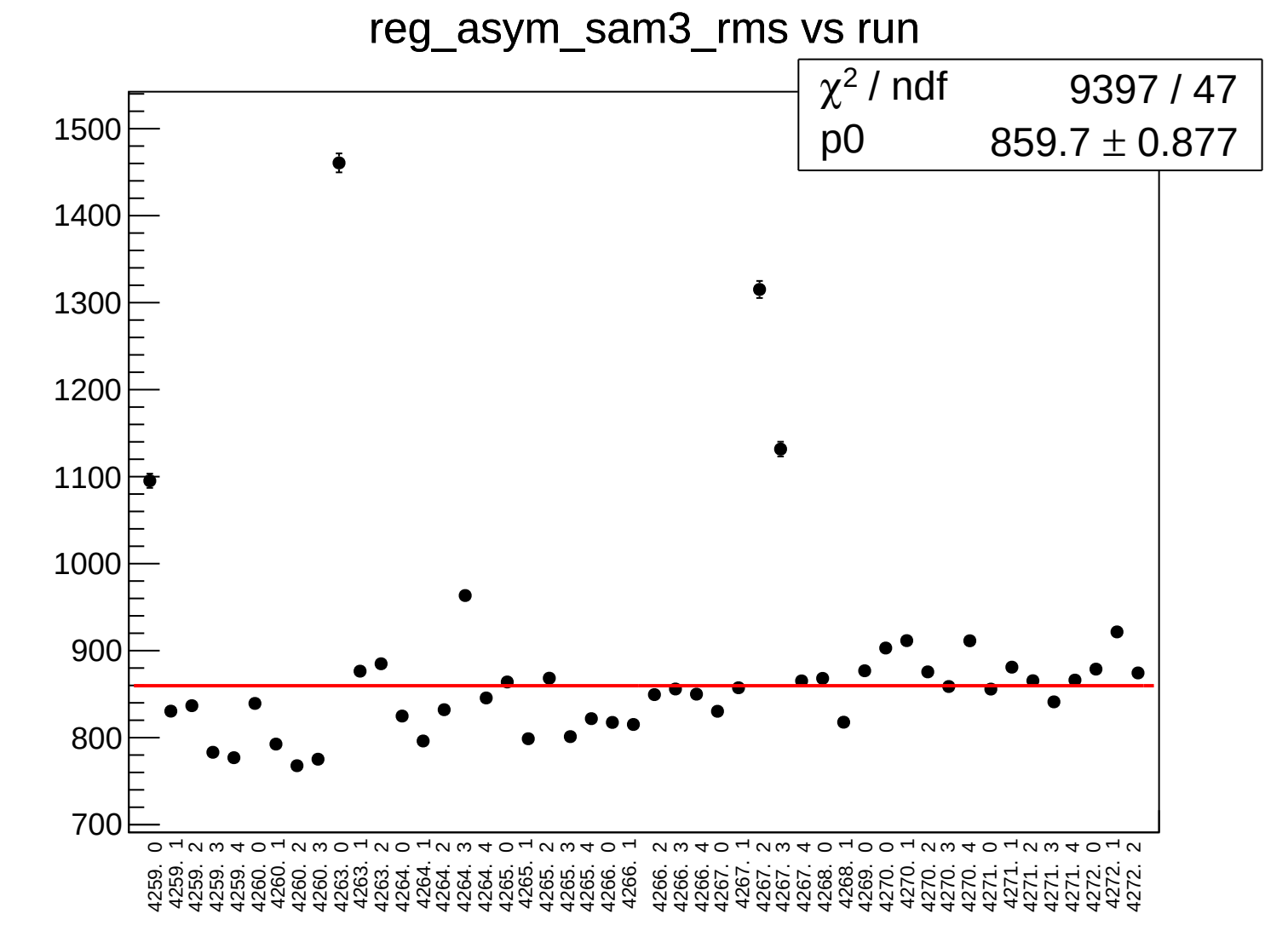

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 58.85 / 47
p0 −60.35 ± 8889
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 53.29
Std Dev 31.85
2
1
0
−1
−2

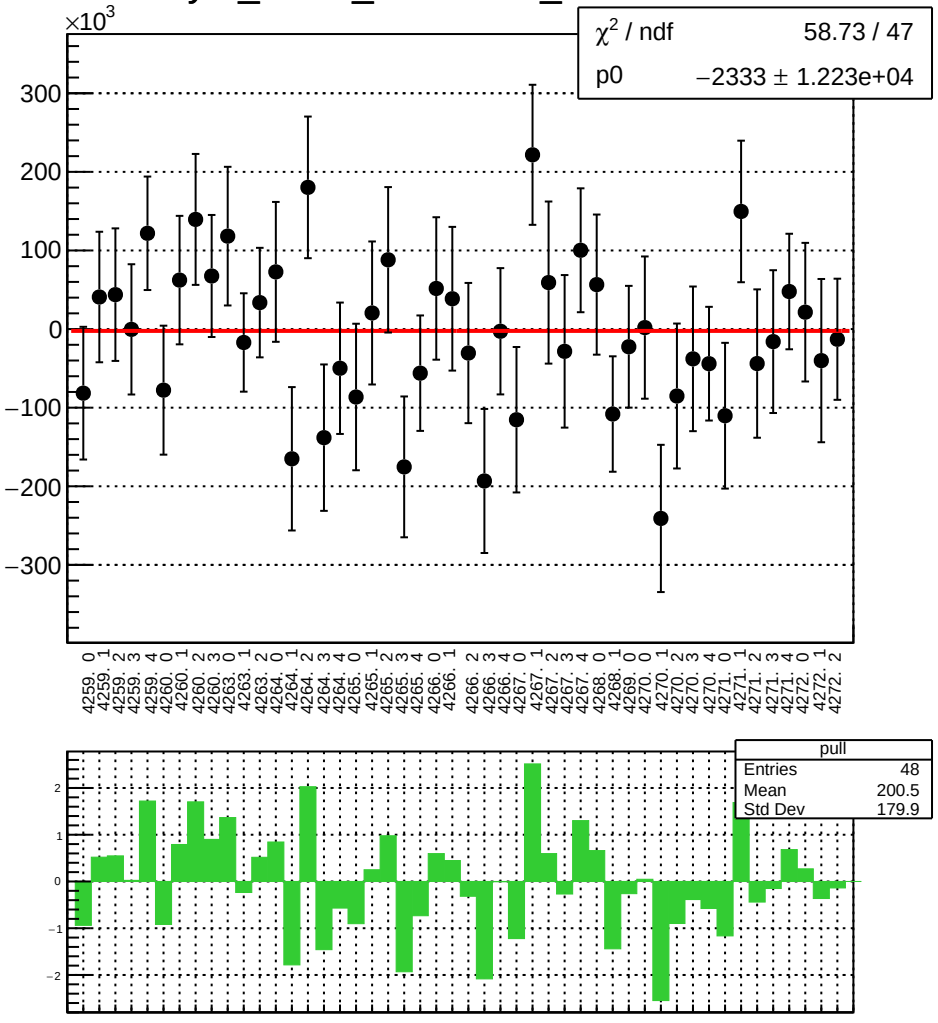

pull1D
Entries 48
Mean −0.02918
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

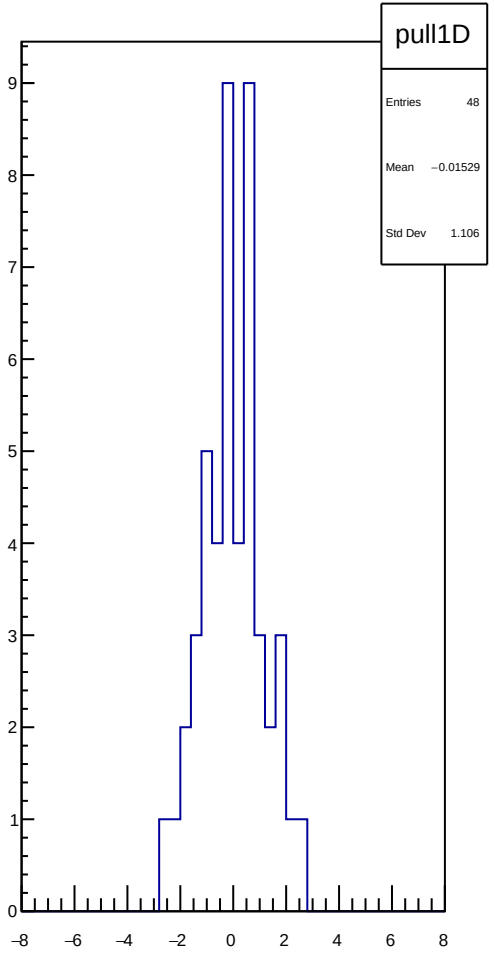

asym_sam2_correction_rms vs run
χ² / ndf 4363 / 47
p0 6178 ± 6.286
7500
7000
6500
6000
5500
5000
4500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

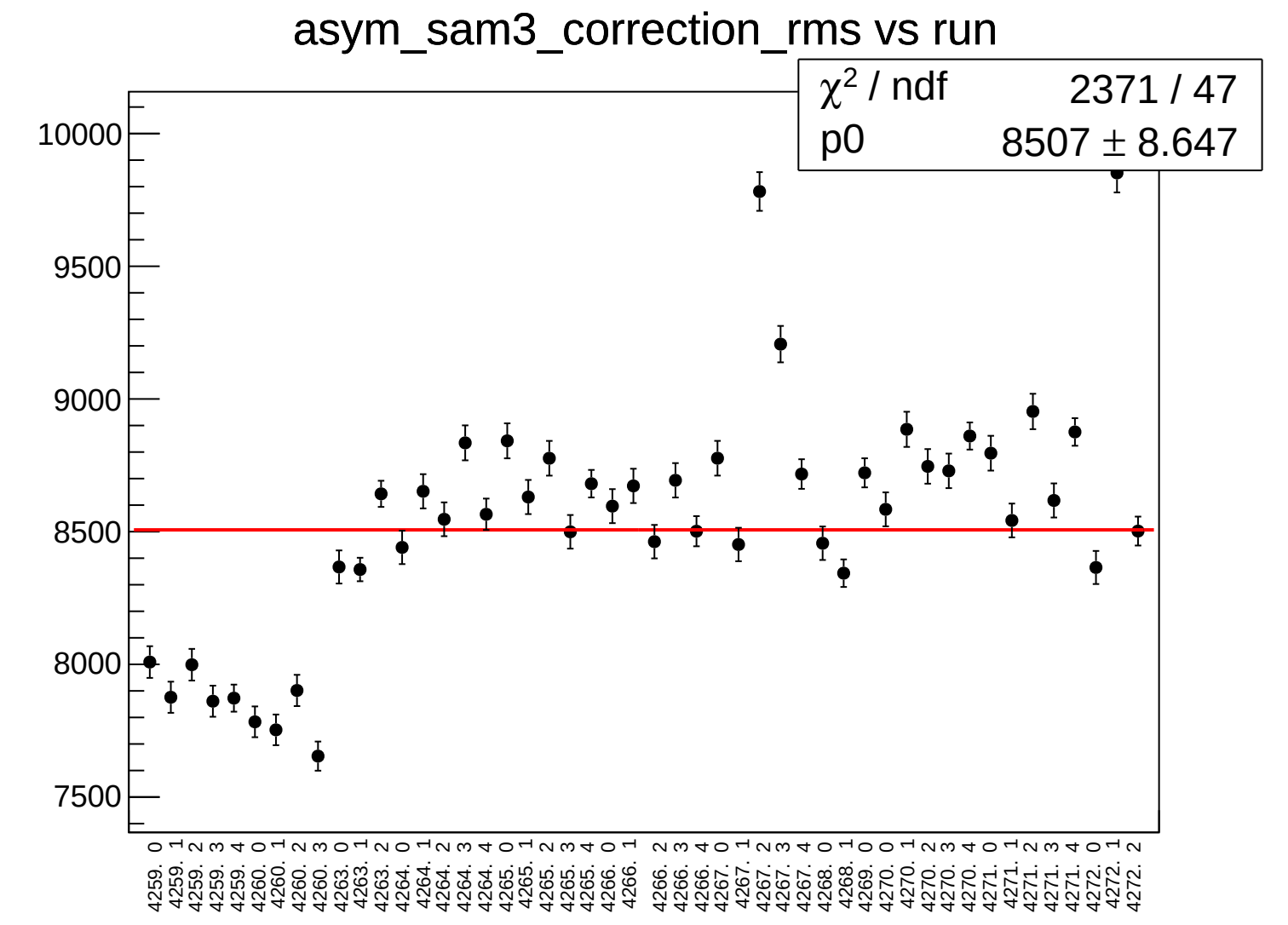

reg_asym_sam3_mean vs run
χ² / ndf 36.23 / 47
p0 −986.4 ± 1240
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 113.1
Std Dev 76.39
1.5
1
0.5
0
−0.5
−1
−1.5
−2

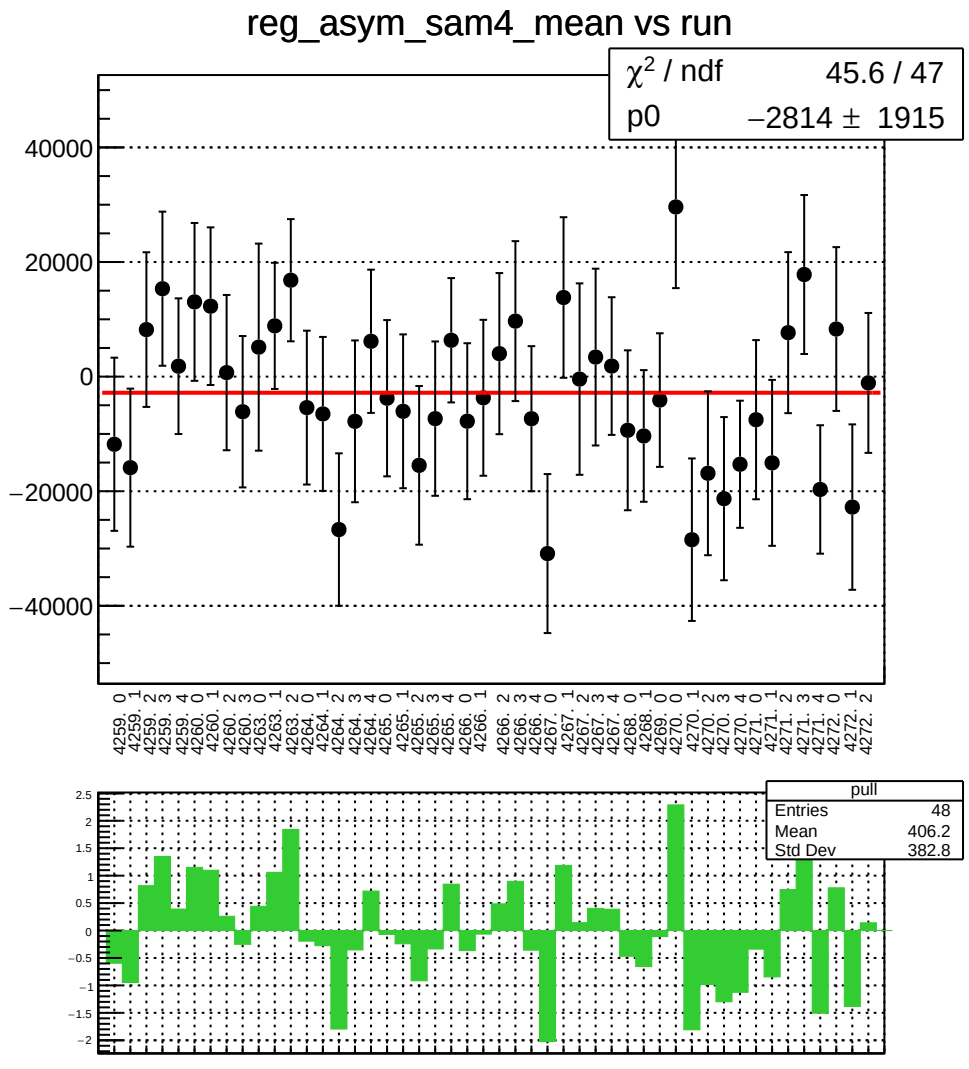

pull1D
Entries 48
Mean −0.008349
Std Dev 0.8687
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

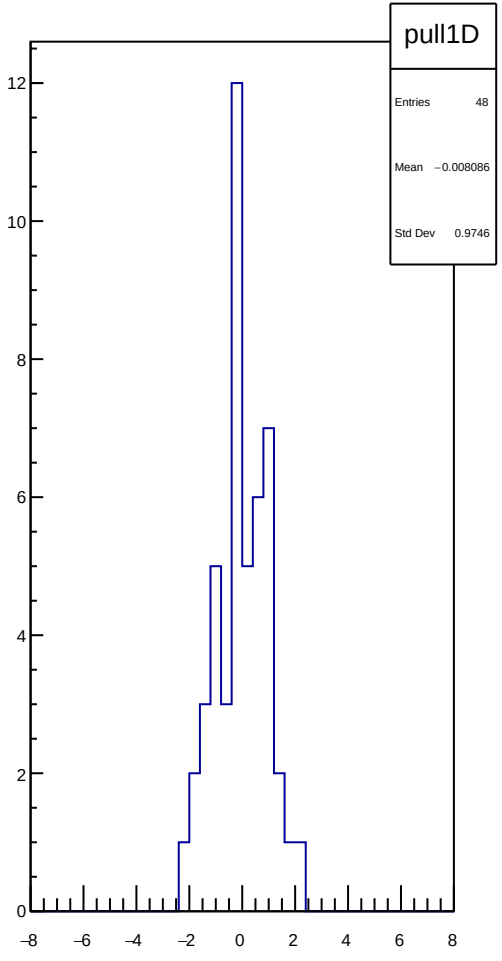

reg_asym_sam3_rms vs run
χ² / ndf 9397 / 47
p0 859.7 ± 0.877
1500
1400
1300
1200
1100
1000
900
800
700
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

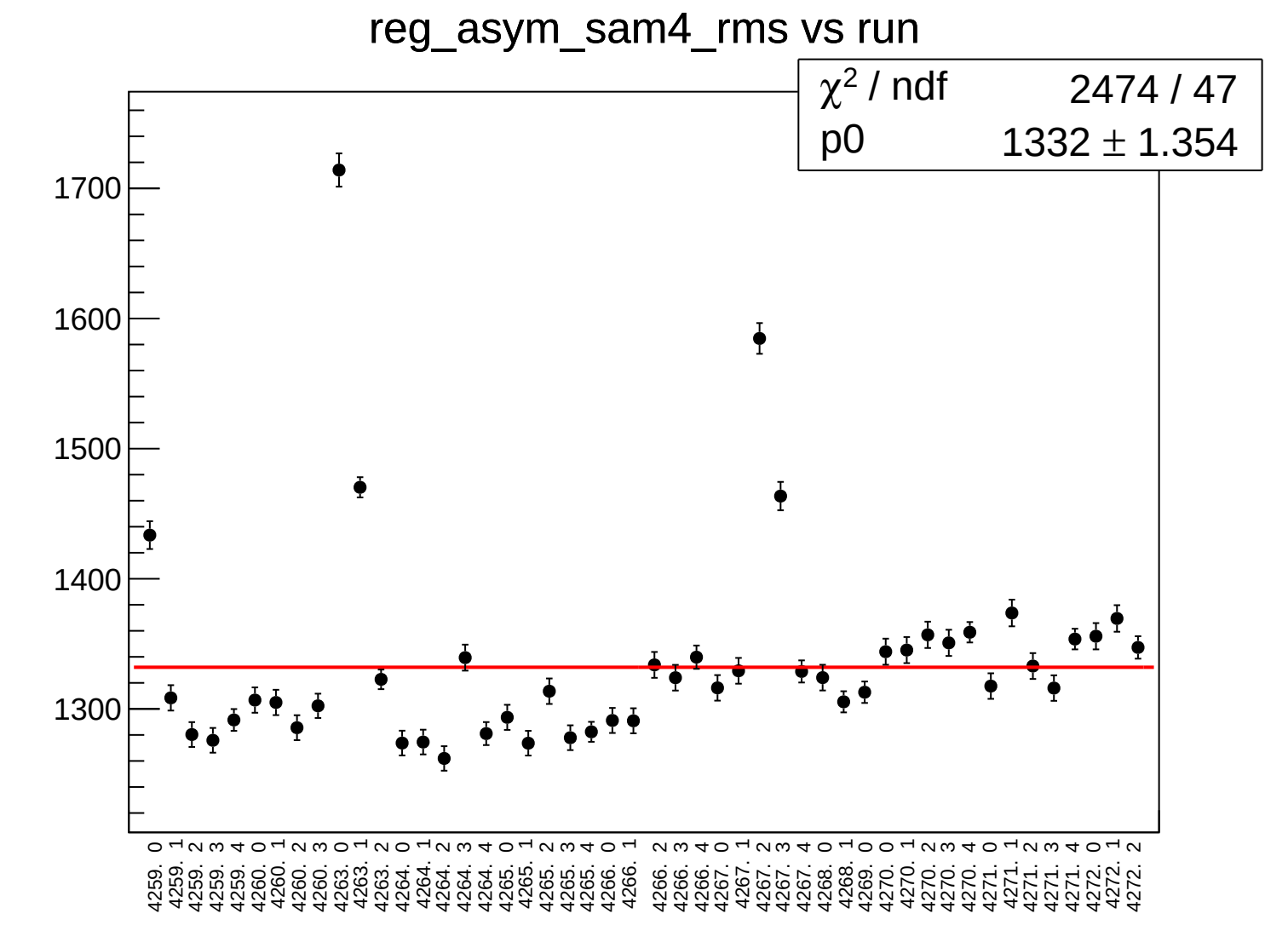

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 58.73 / 47
p0 −2333 ± 1.223e+04
300
200
100
0
−100
−200
−300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 200.5
Std Dev 179.9
2
1
0
−1
−2

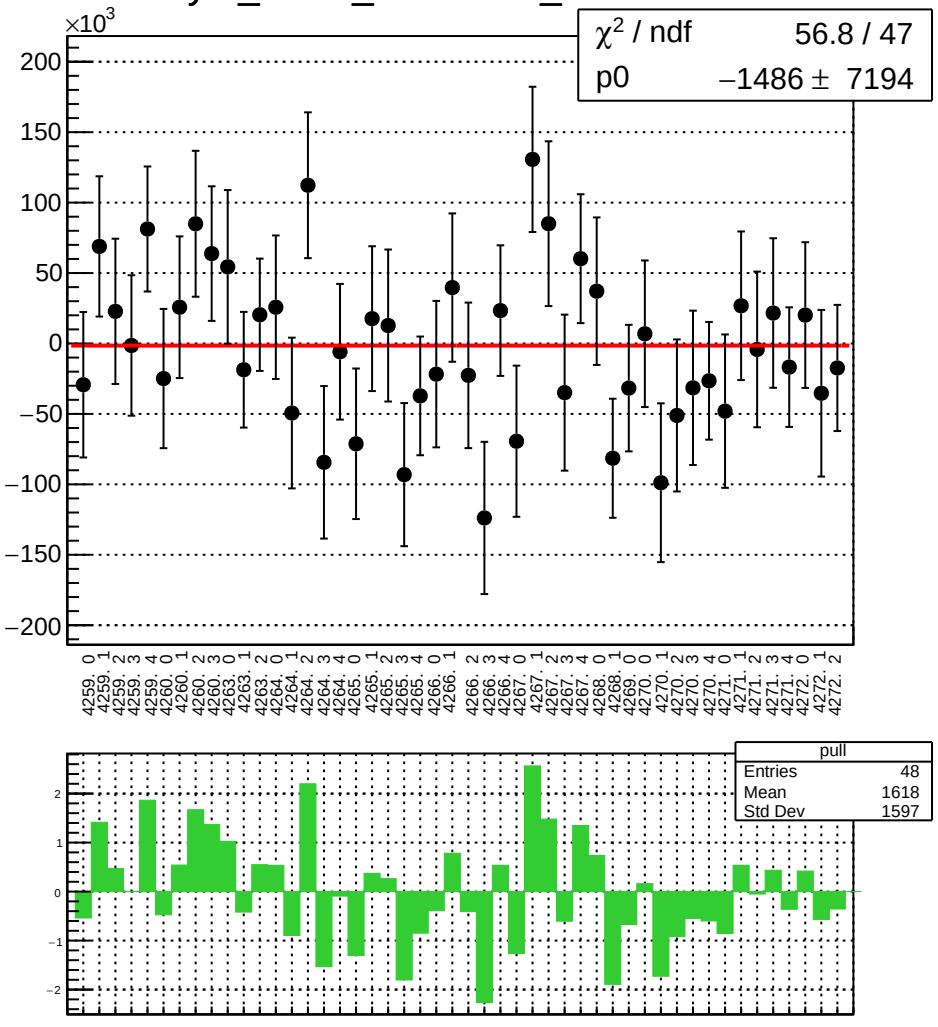

pull1D
Entries 48
Mean −0.01529
Std Dev 1.106
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

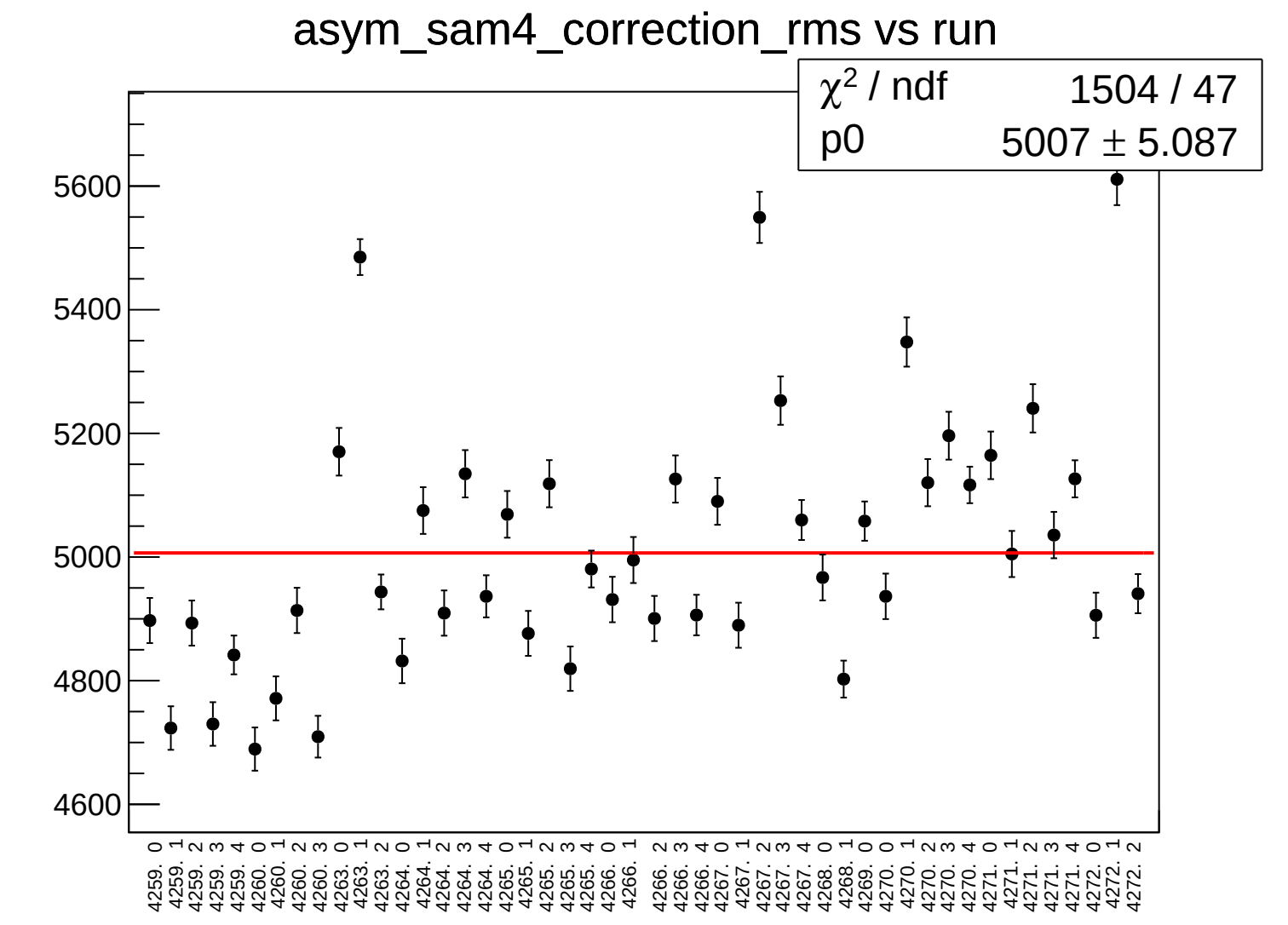

asym_sam3_correction_rms vs run
χ² / ndf 2371 / 47
p0 8507 ± 8.647
10000
9500
9000
8500
8000
7500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

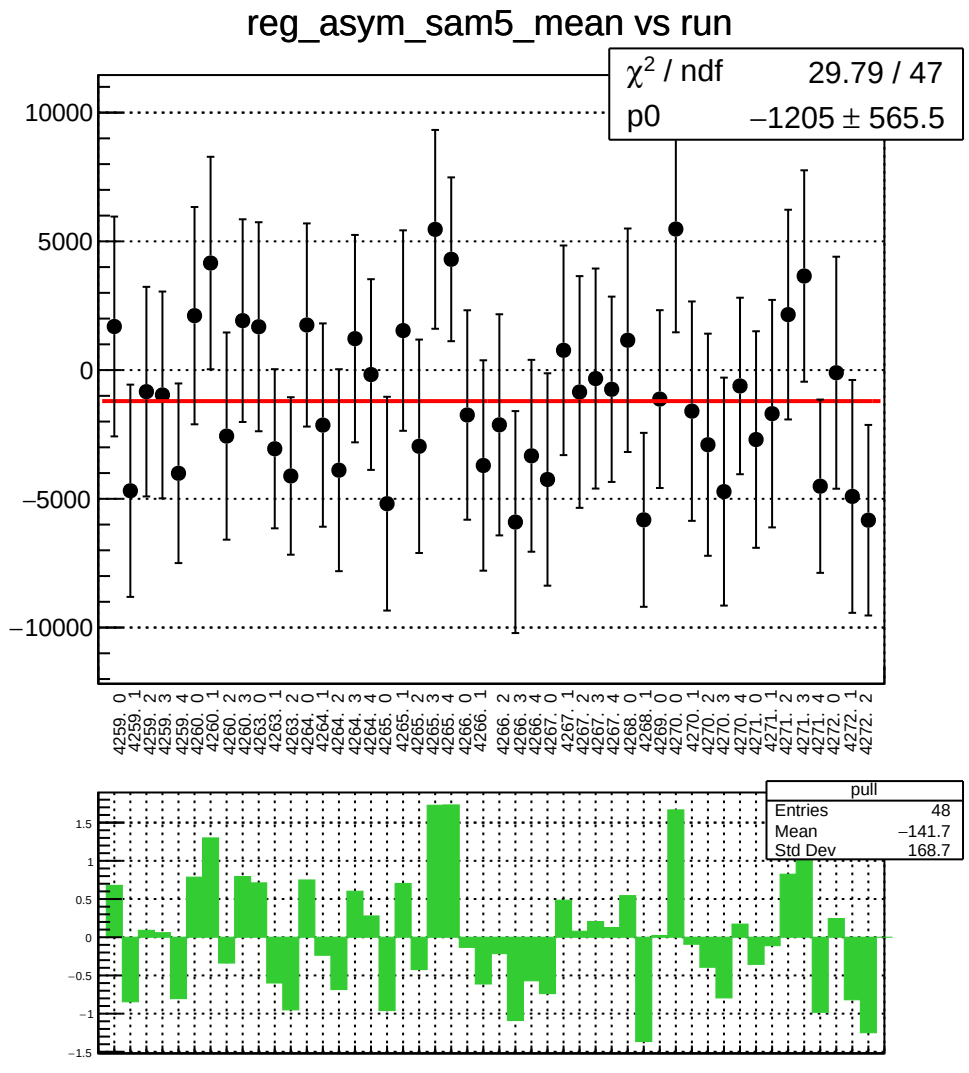

reg_asym_sam4_mean vs run
χ² / ndf 45.6 / 47
p0 −2814 ± 1915
40000
20000
0
−20000
−40000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 406.2
Std Dev 382.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

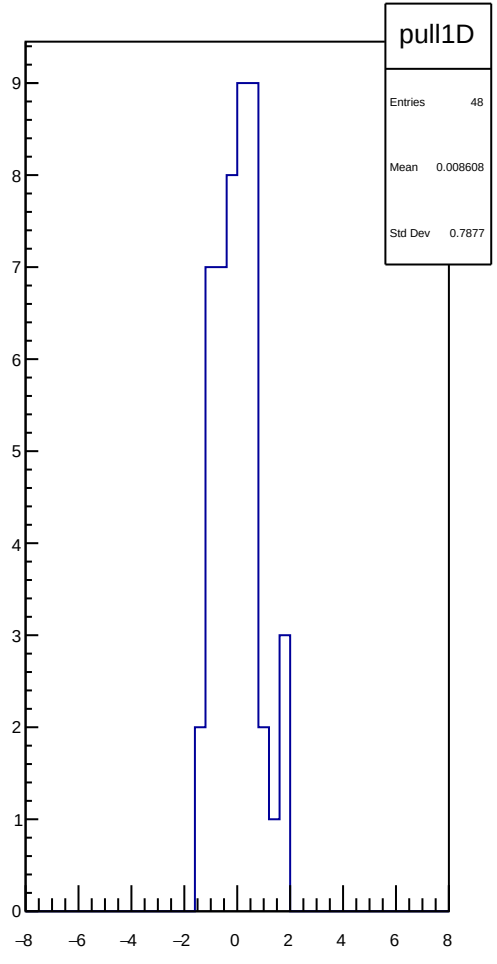

pull1D
Entries 48
Mean −0.008086
Std Dev 0.9746
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

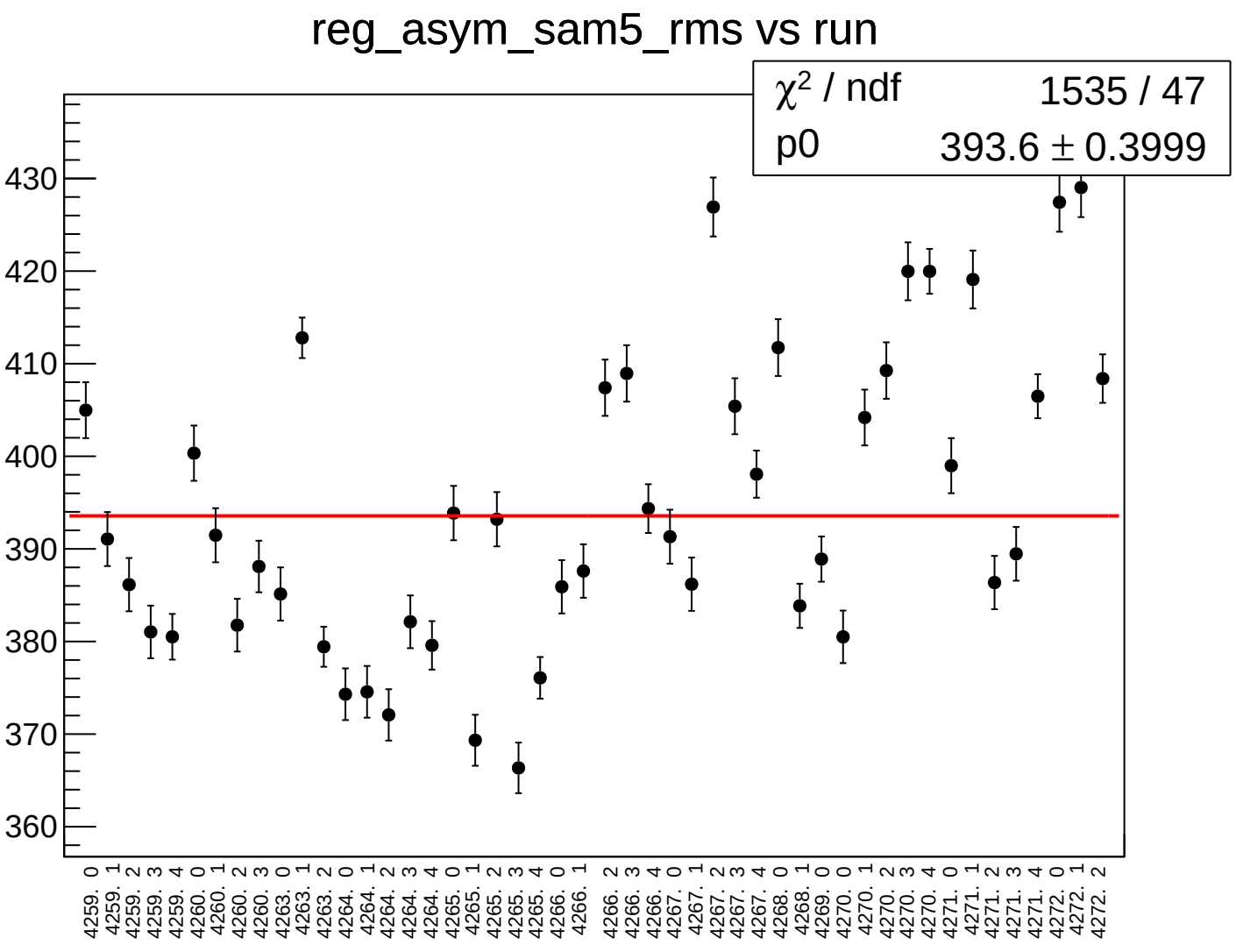

reg_asym_sam4_rms vs run
χ² / ndf 2474 / 47
p0 1332 ± 1.354
1700
1600
1500
1400
1300
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

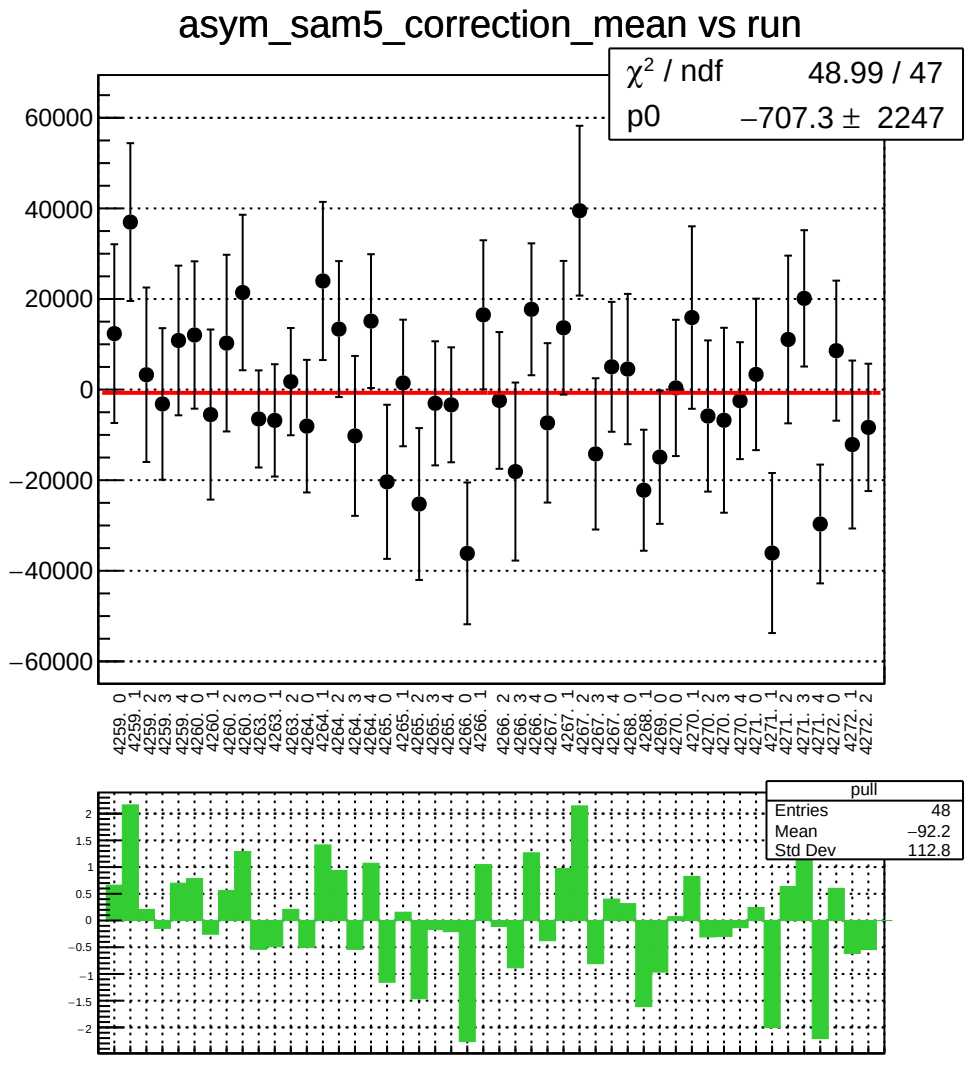

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 56.8 / 47
p0 −1486 ± 7194
200
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1618
Std Dev 1597
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.002445
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

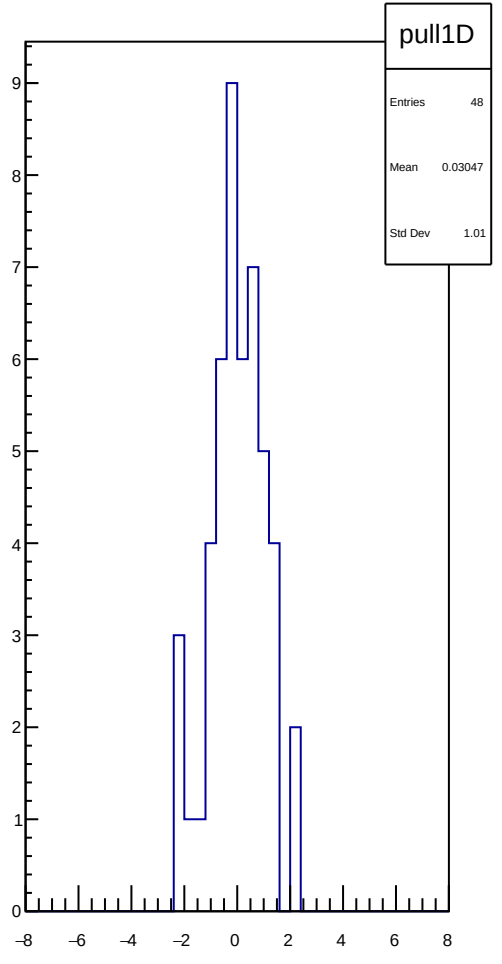

asym_sam4_correction_rms vs run
χ² / ndf 1504 / 47
p0 5007 ± 5.087
5600
5400
5200
5000
4800
4600
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

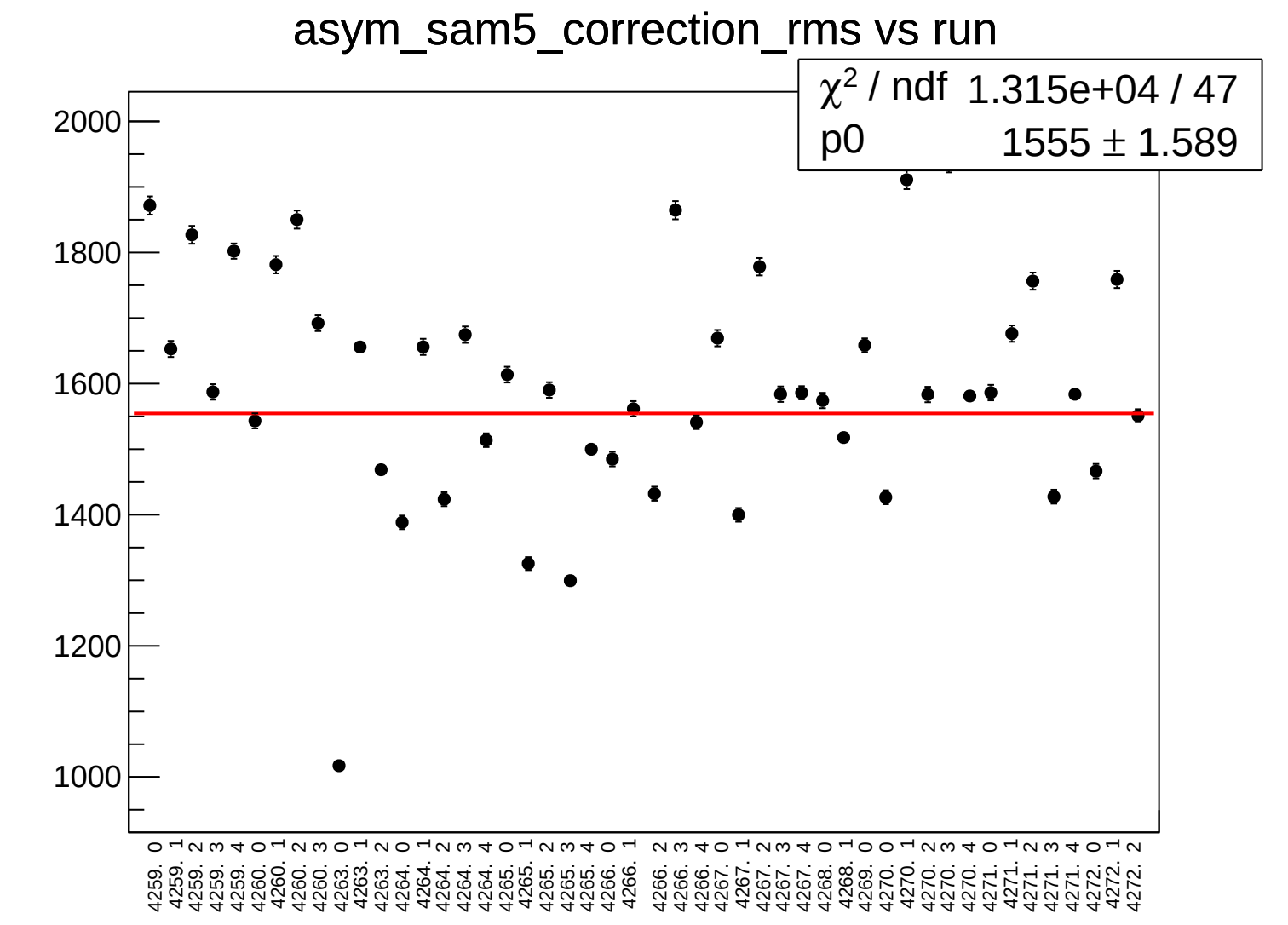

reg_asym_sam5_mean vs run
χ^2 / ndf 29.79 / 47
p0 −1205 ± 565.5
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −141.7
Std Dev 168.7
1.5
1
0.5
0
−0.5
−1
−1.5

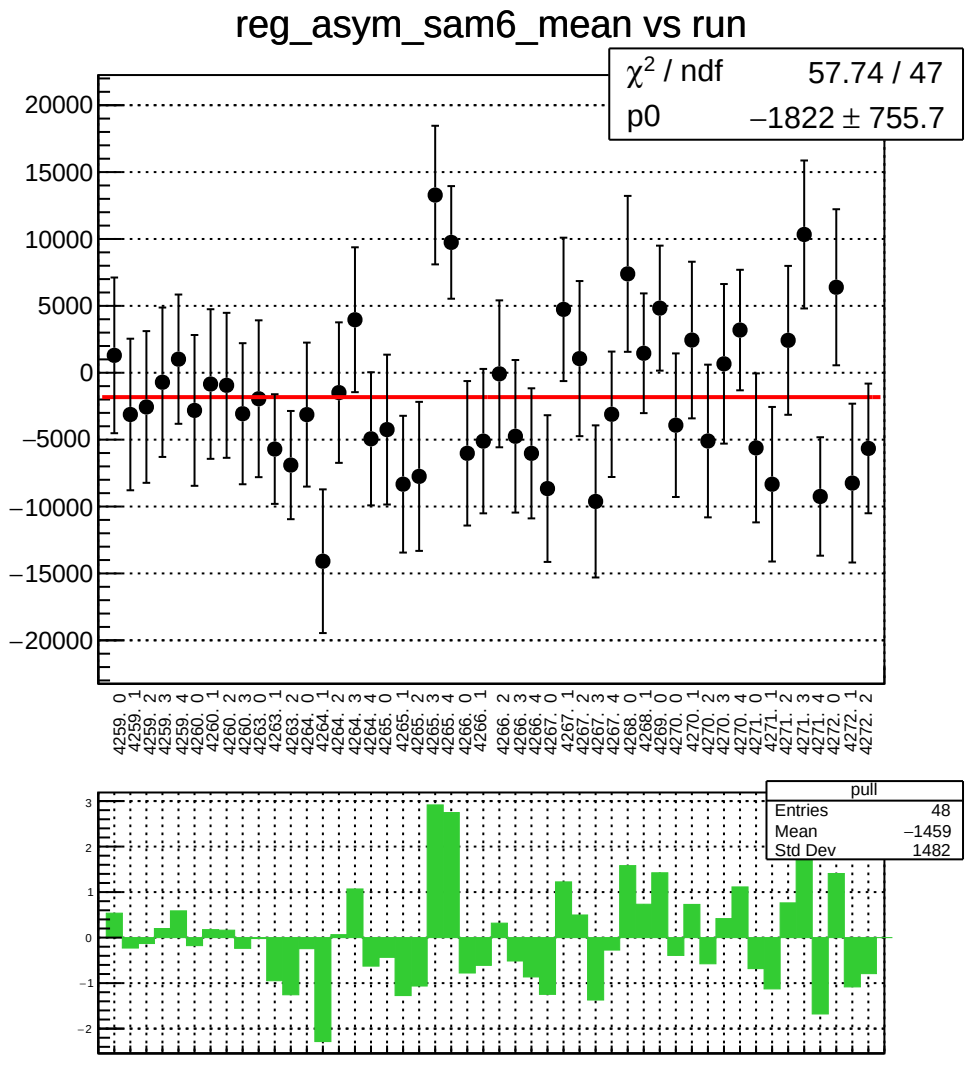

pull1D
Entries 48
Mean 0.008608
Std Dev 0.7877
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

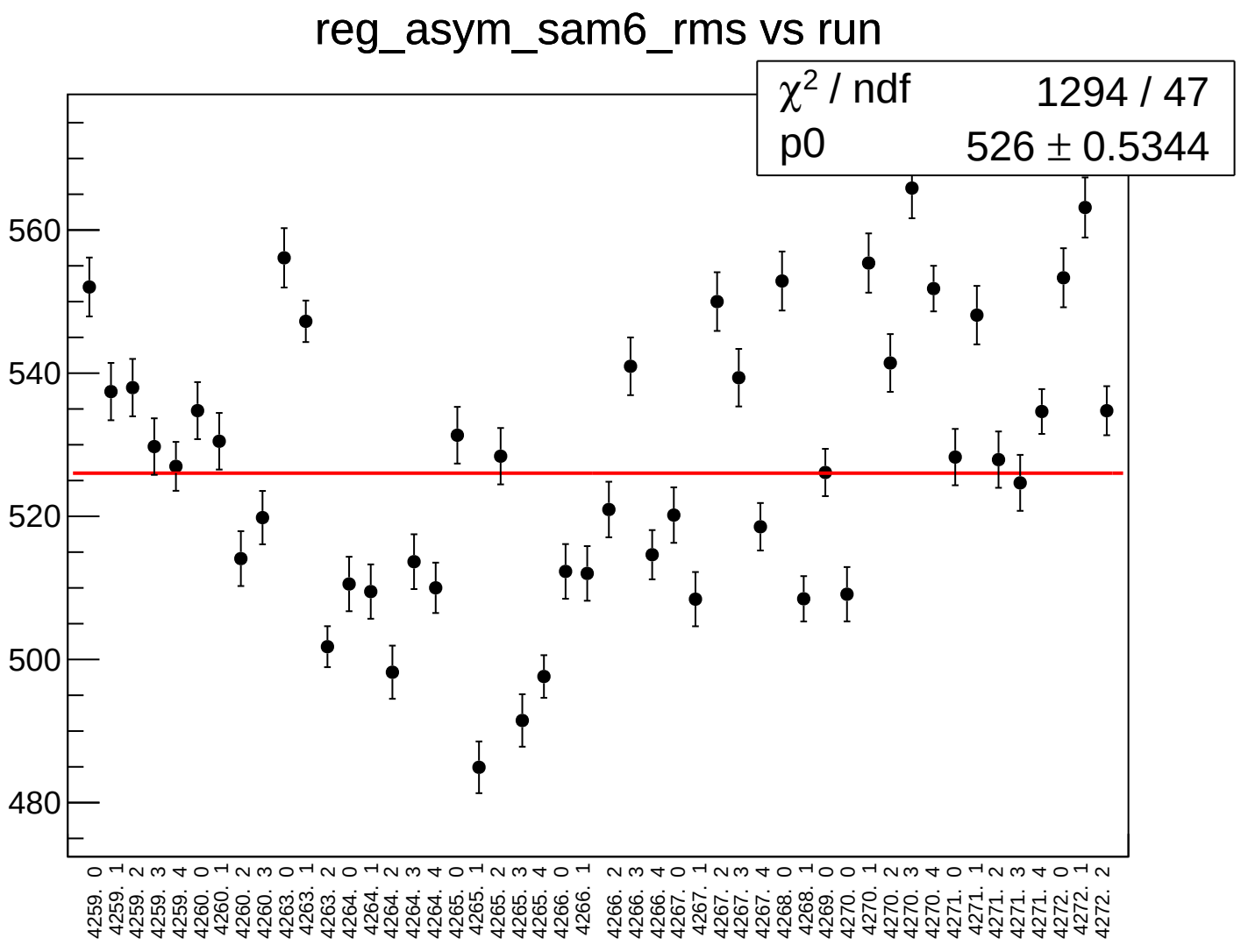

reg_asym_sam5_rms vs run
χ² / ndf 1535 / 47
p0 393.6 ± 0.3999
430
420
410
400
390
380
370
360
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

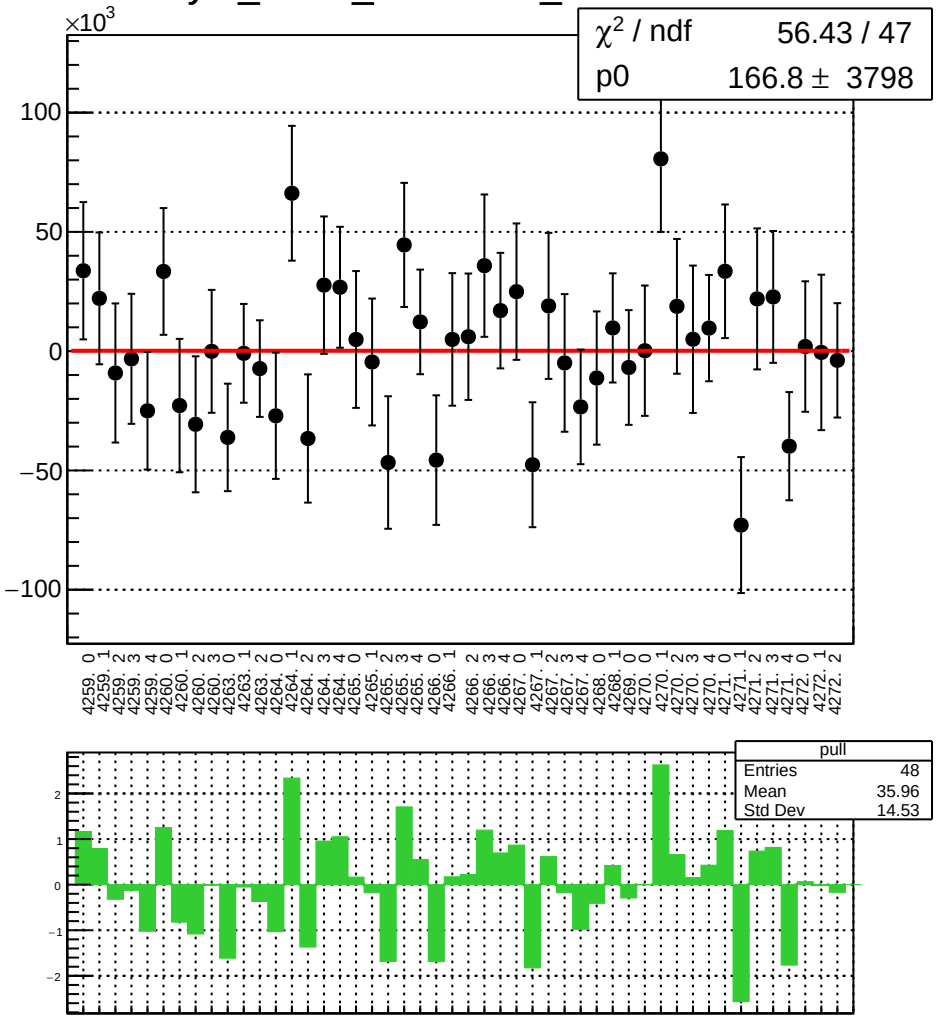

asym_sam5_correction_mean vs run
χ² / ndf 48.99 / 47
p0 −707.3 ± 2247
pull
Entries 48
Mean −92.2
Std Dev 112.8

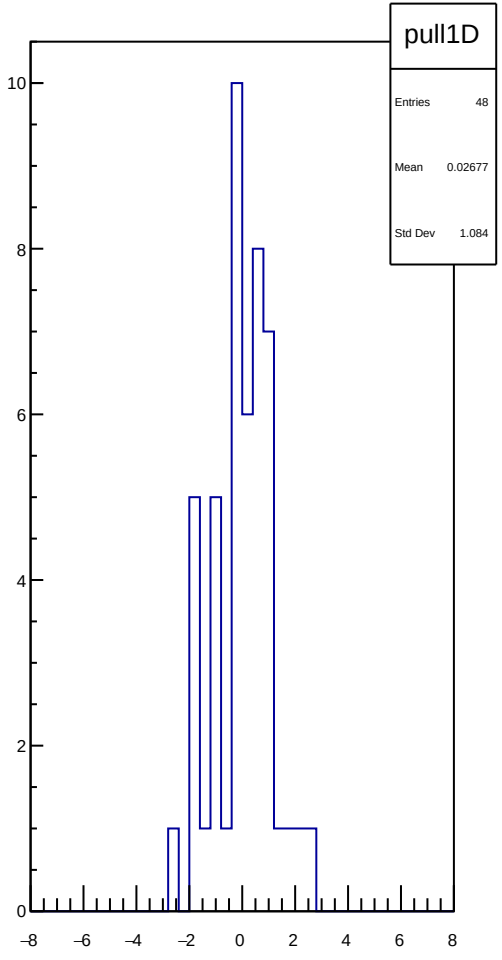

pull1D
Entries 48
Mean 0.03047
Std Dev 1.01

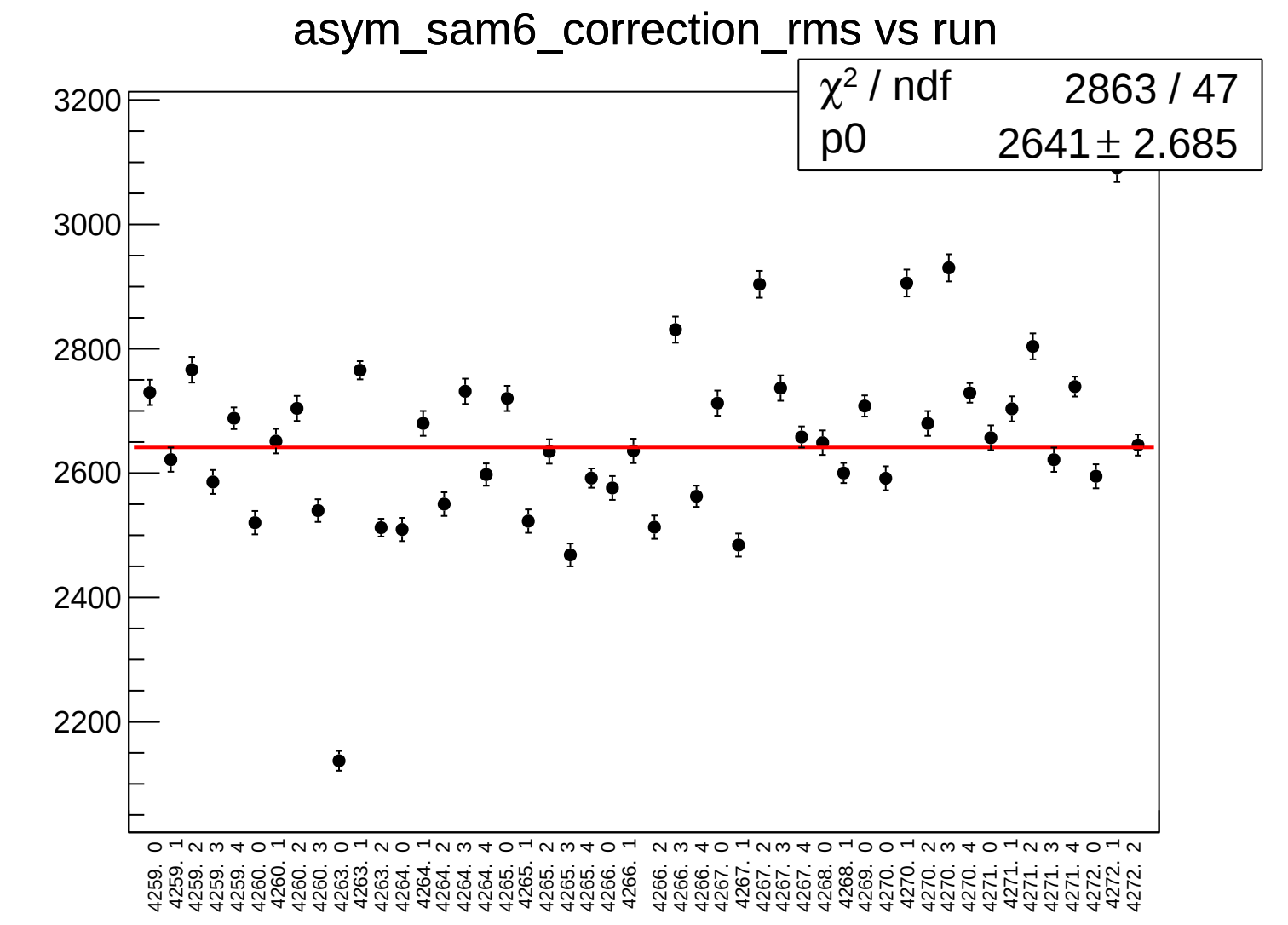

asym_sam5_correction_rms vs run
χ² / ndf 1.315e+04 / 47
p0 1555 ± 1.589
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

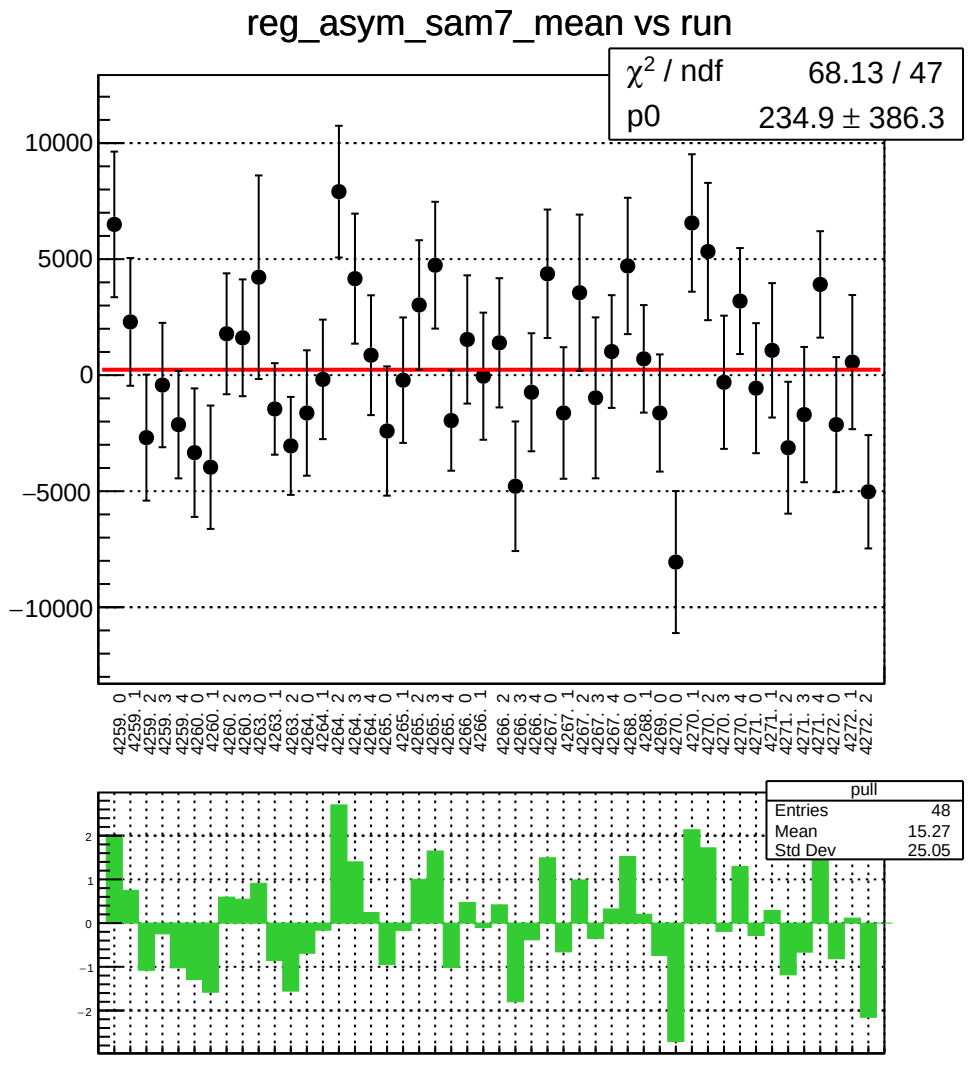

reg_asym_sam6_mean vs run
χ² / ndf 57.74 / 47
p0 −1822 ± 755.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1459
Std Dev 1482
3
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.0007744
Std Dev 1.097
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

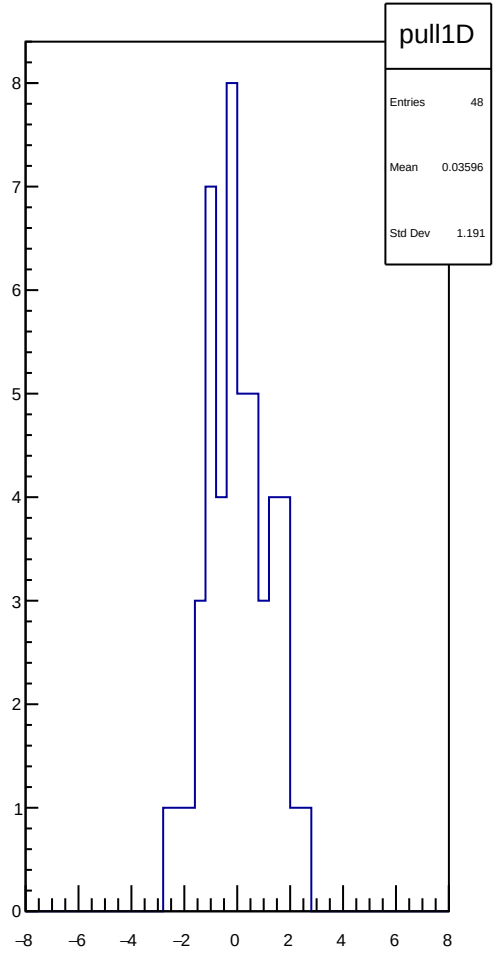

reg_asym_sam6_rms vs run
χ² / ndf 1294 / 47
p0 526 ± 0.5344
560
540
520
500
480
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

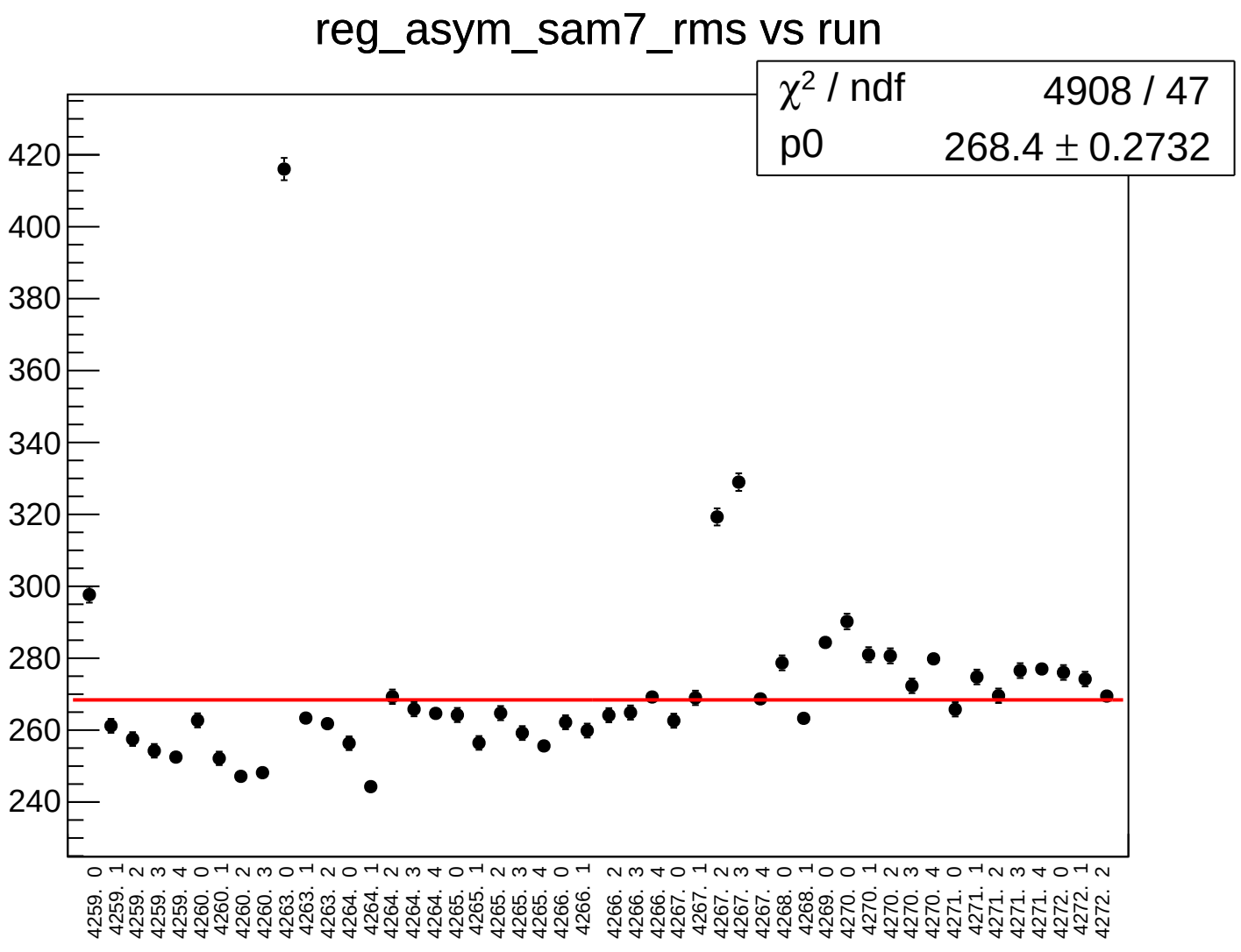

asym_sam6_correction_mean vs run
×10^3
χ^2 / ndf 56.43 / 47
p0 166.8 ± 3798
100
50
0
−50
−100
pull
Entries 48
Mean 35.96
Std Dev 14.53
2
1
0
−1
−2

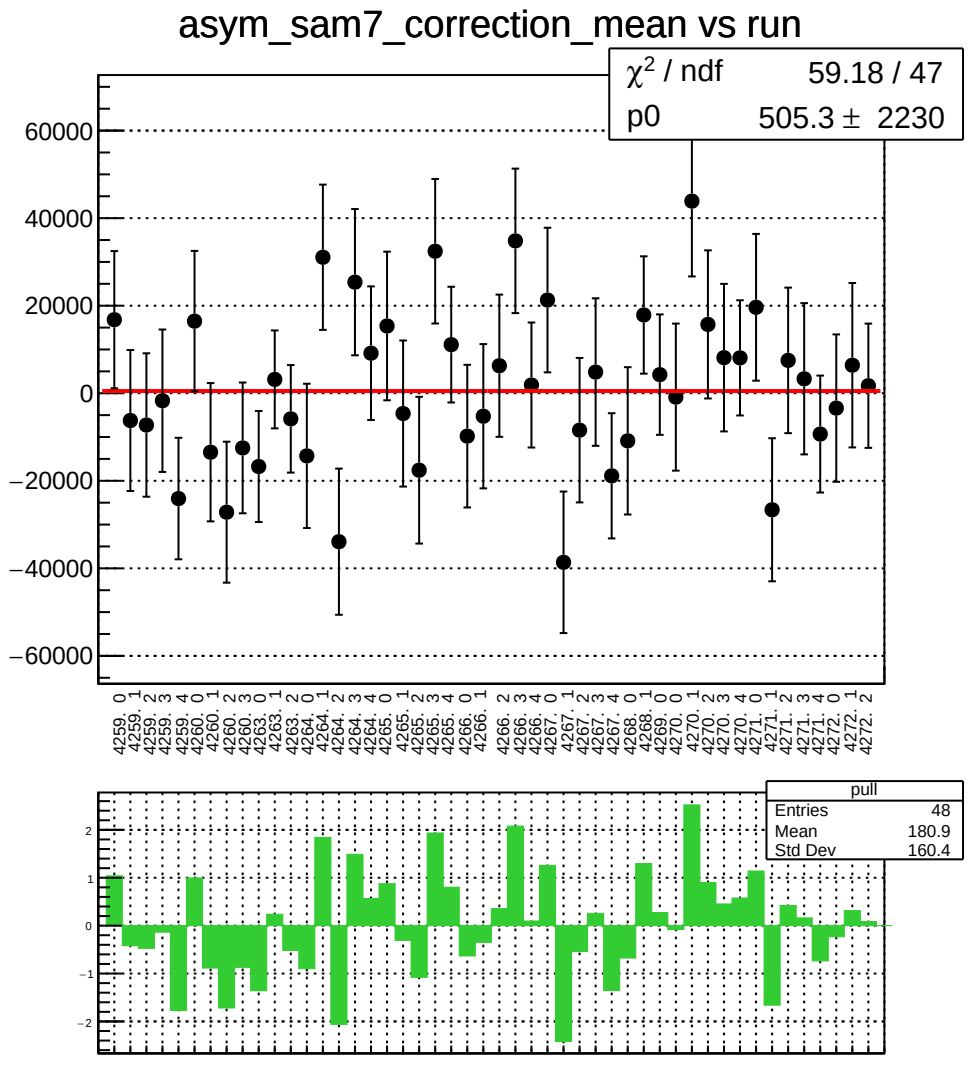

pull1D
Entries 48
Mean 0.02677
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

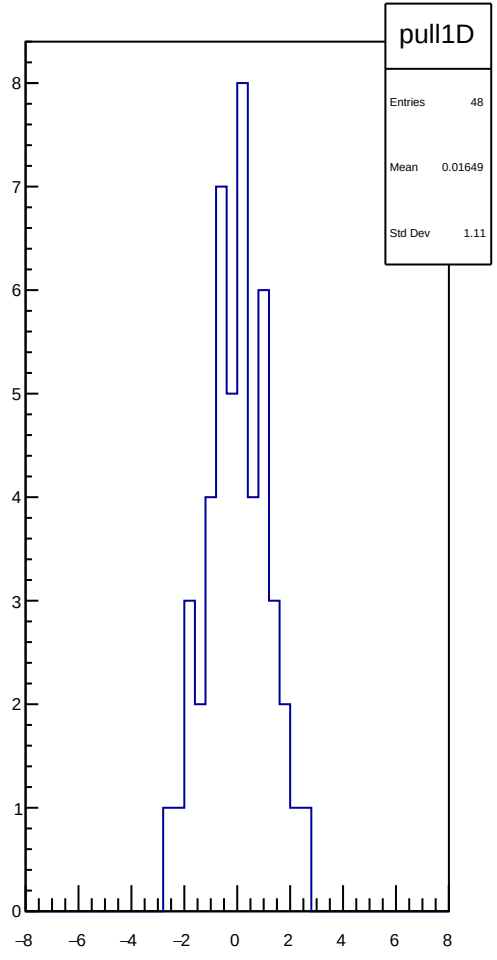

asym_sam6_correction_rms vs run
χ² / ndf 2863 / 47
p0 2641 ± 2.685
3200
3000
2800
2600
2400
2200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

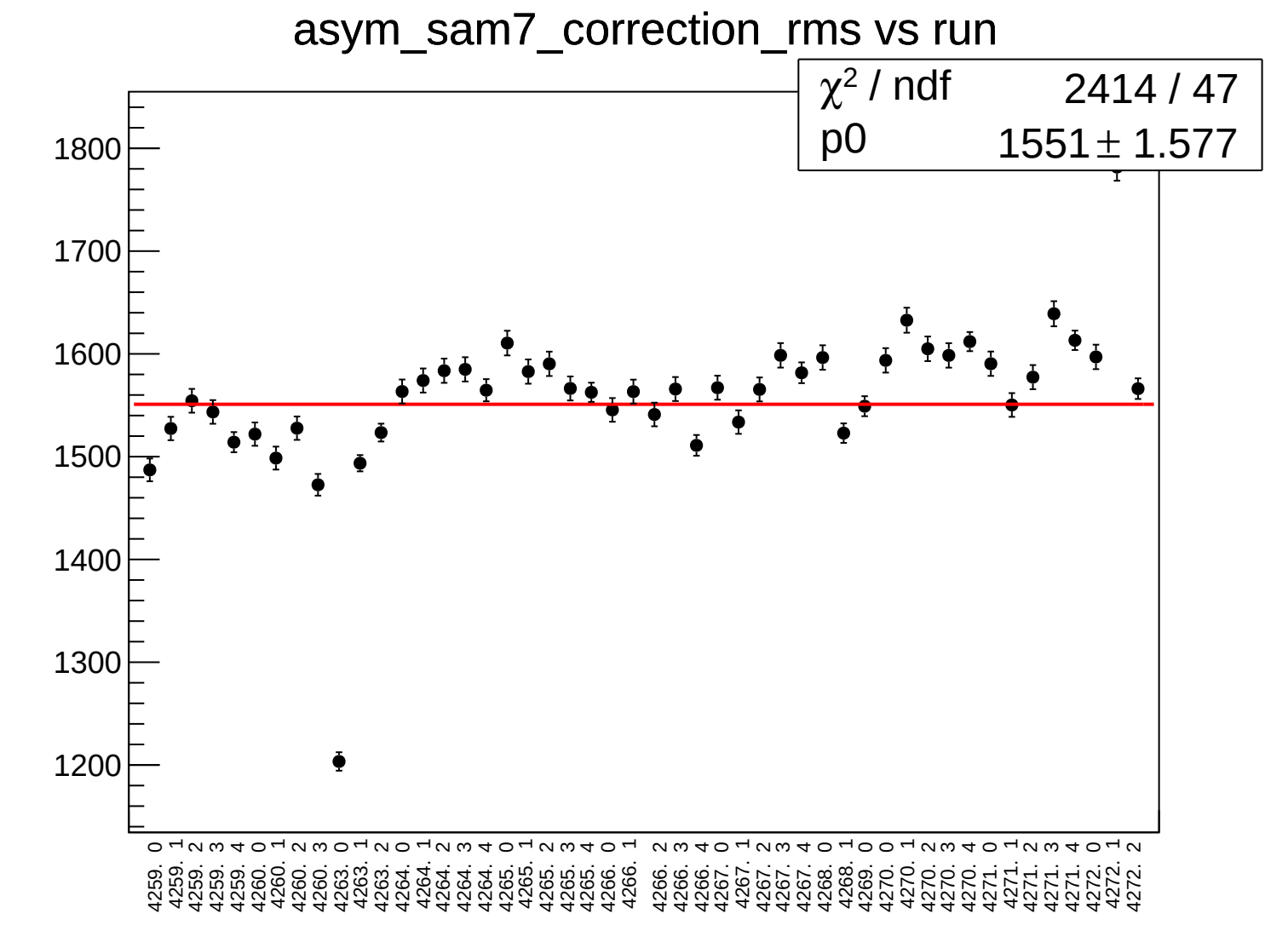

reg_asym_sam7_mean vs run
χ² / ndf 68.13 / 47
p0 234.9 ± 386.3
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 15.27
Std Dev 25.05
2
1
0
−1
−2

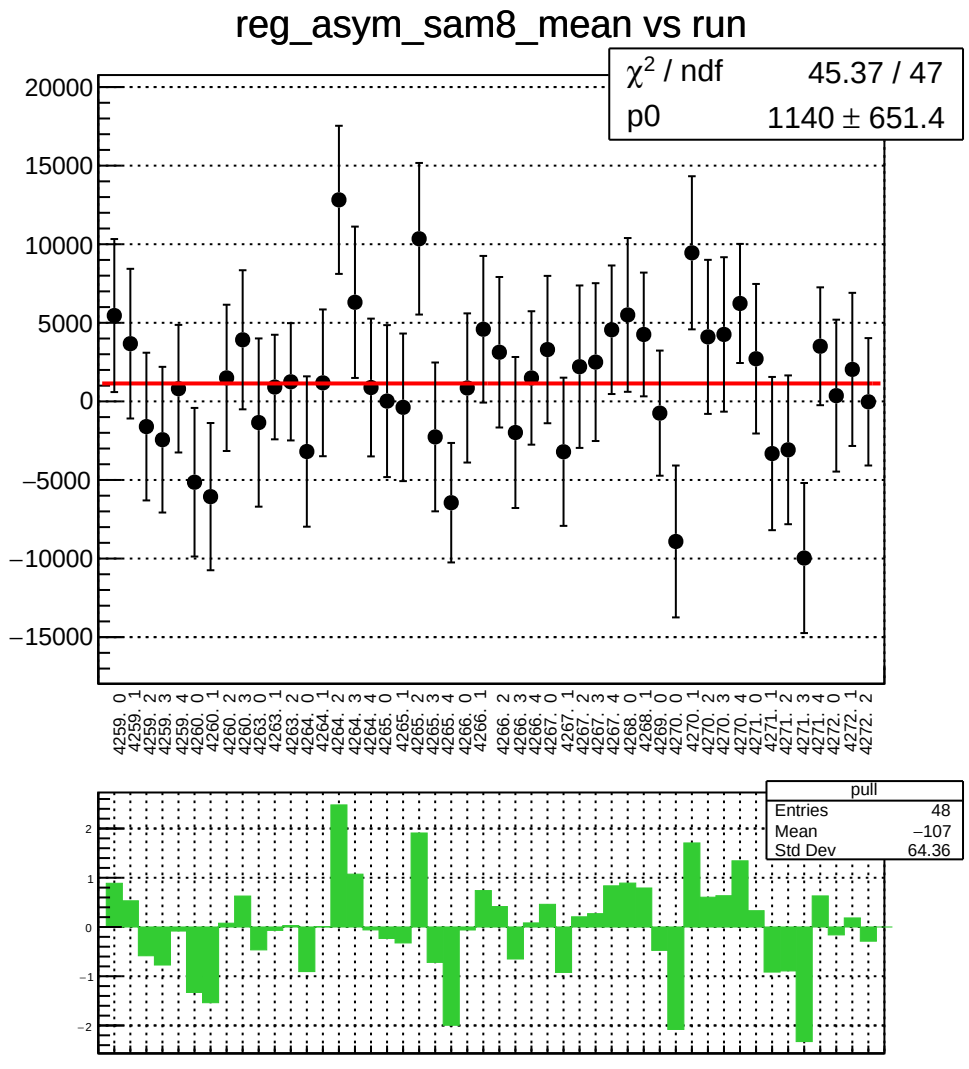

pull1D
Entries 48
Mean 0.03596
Std Dev 1.191
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

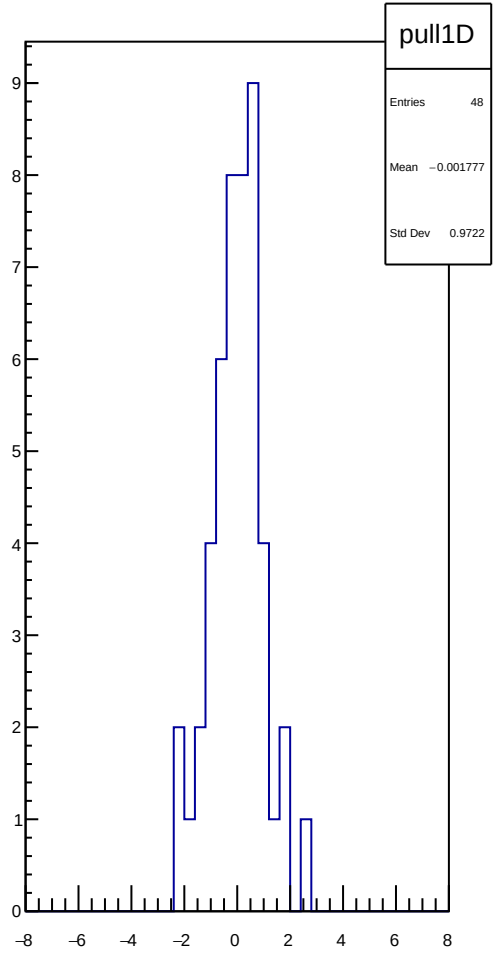

reg_asym_sam7_rms vs run
χ² / ndf 4908 / 47
p0 268.4 ± 0.2732
420
400
380
360
340
320
300
280
260
240
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

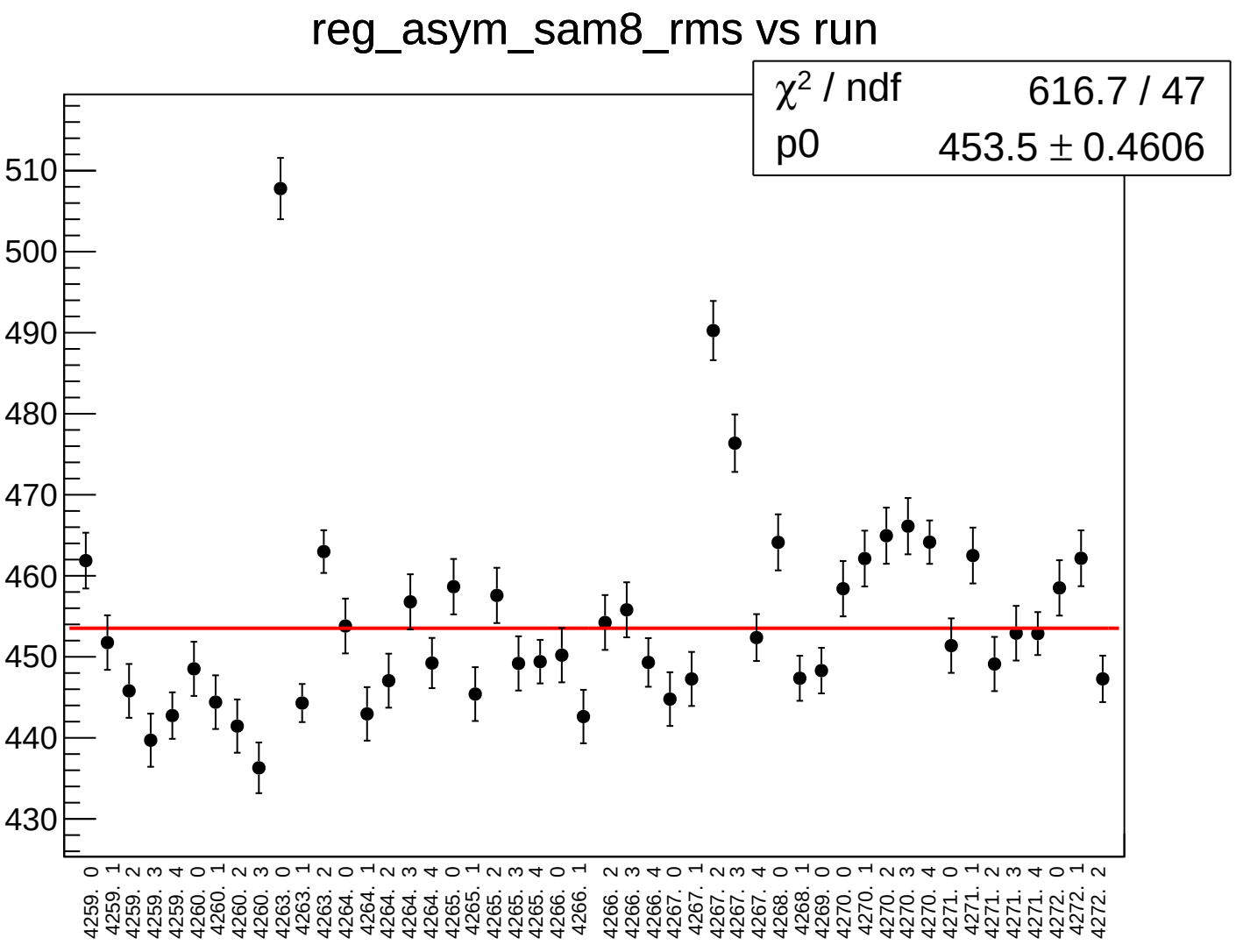

asym_sam7_correction_mean vs run
χ² / ndf 59.18 / 47
p0 505.3 ± 2230
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 180.9
Std Dev 160.4
2
1
0
−1
−2

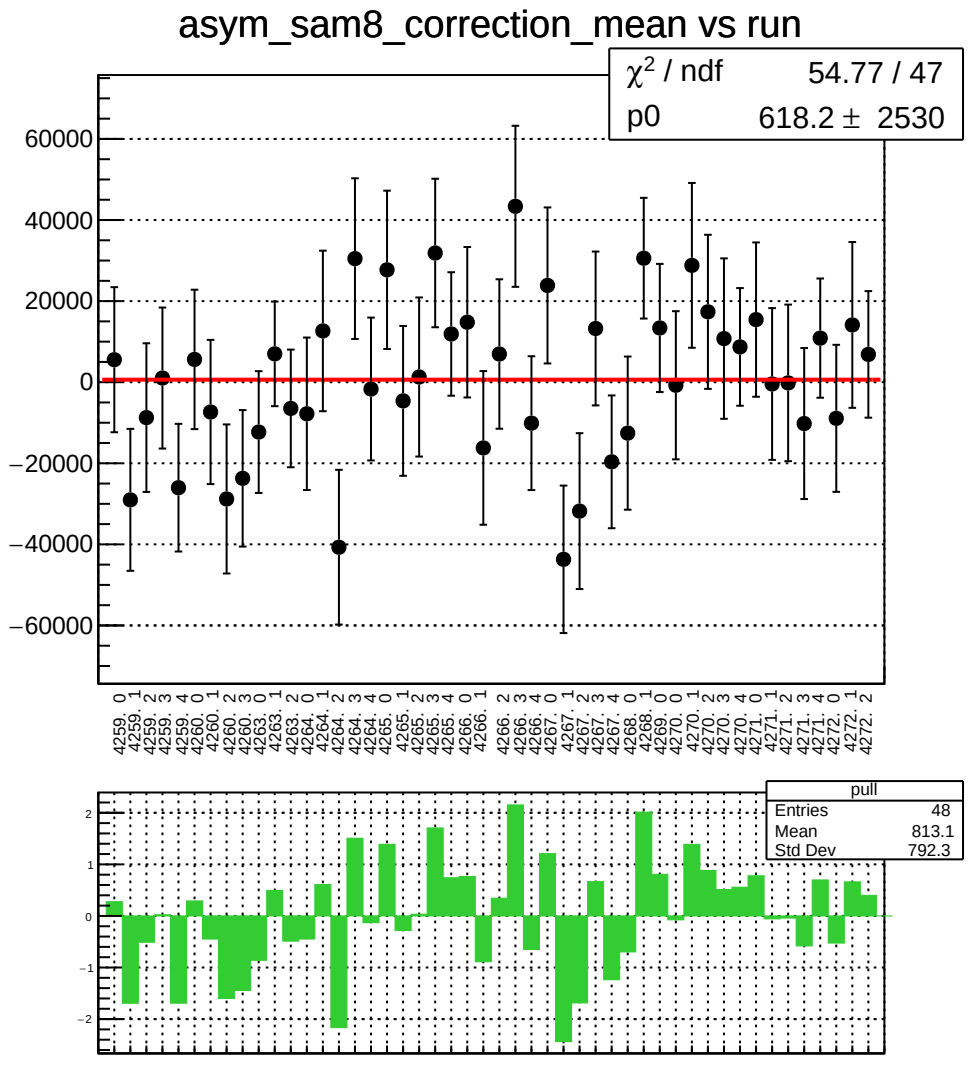

pull1D
Entries 48
Mean 0.01649
Std Dev 1.11
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

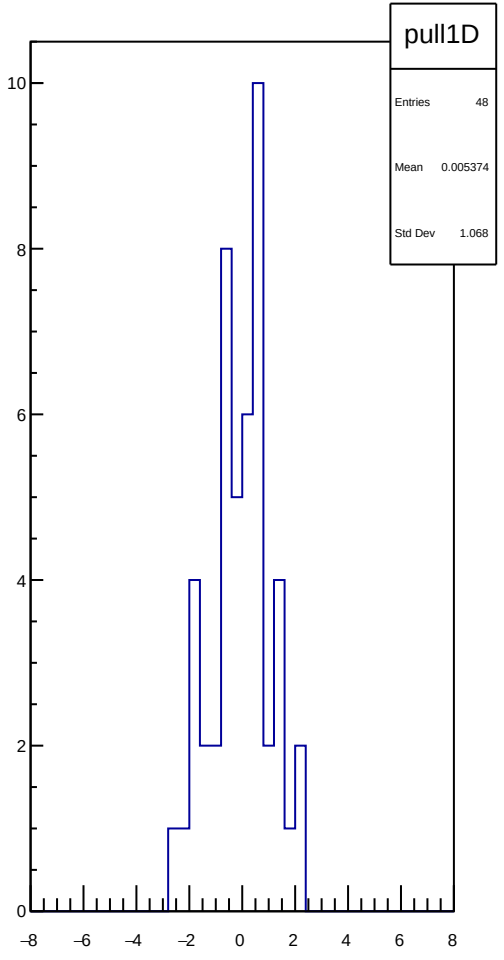

asym_sam7_correction_rms vs run
χ² / ndf 2414 / 47
p0 1551 ± 1.577
1800
1700
1600
1500
1400
1300
1200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

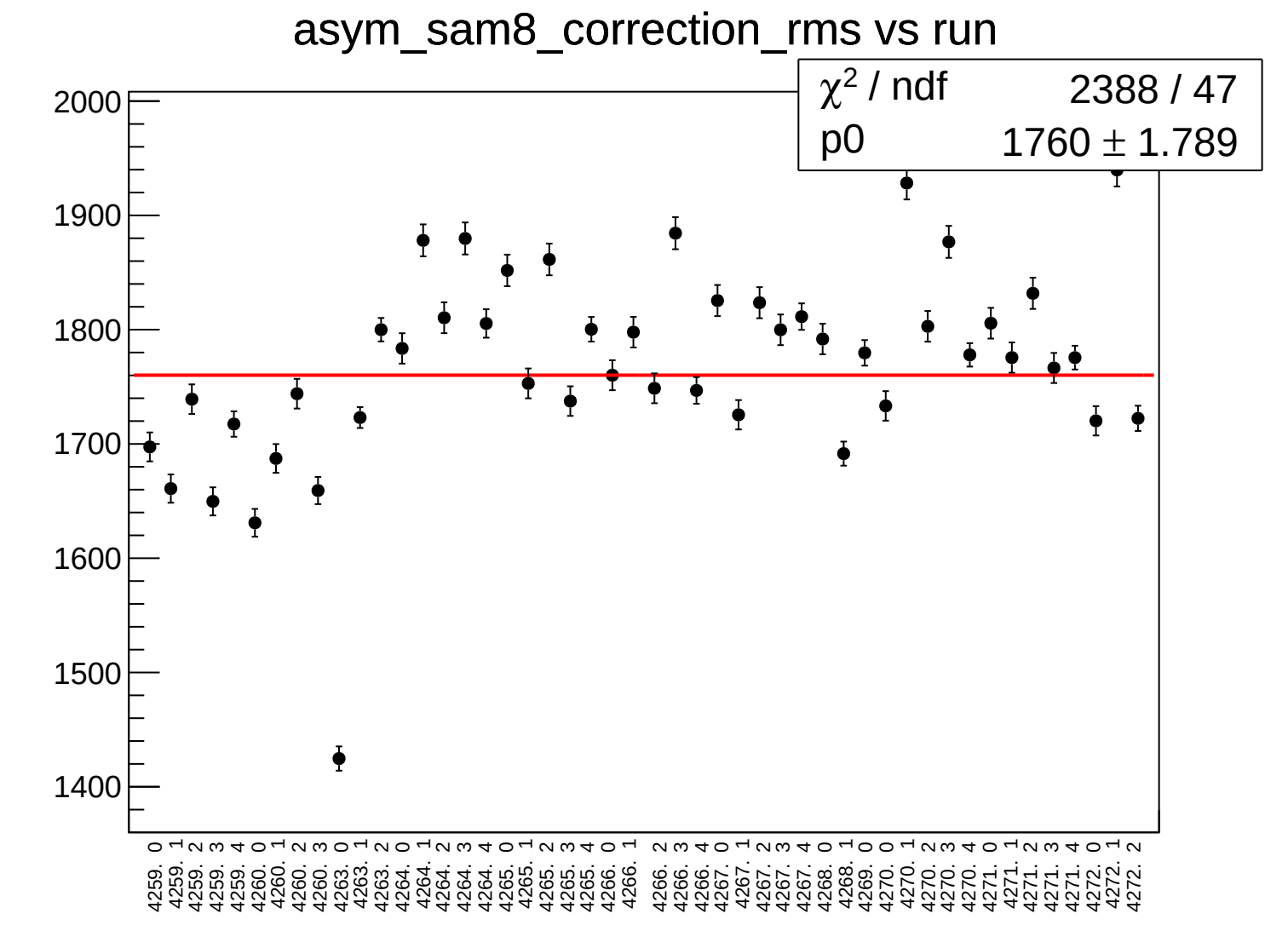

reg_asym_sam8_mean vs run
χ² / ndf 45.37 / 47
p0 1140 ± 651.4
20000
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −107
Std Dev 64.36
2
1
0
−1
−2

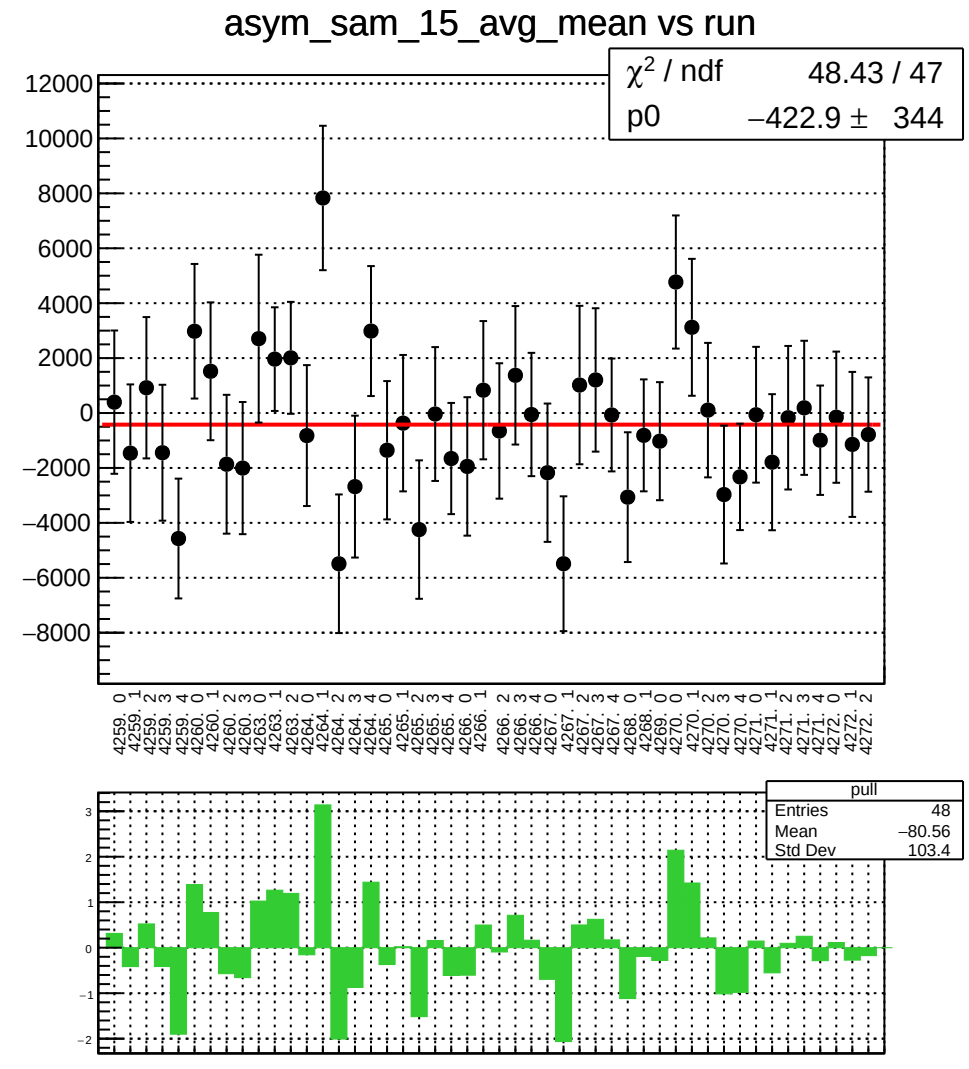

pull1D
Entries 48
Mean −0.001777
Std Dev 0.9722
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

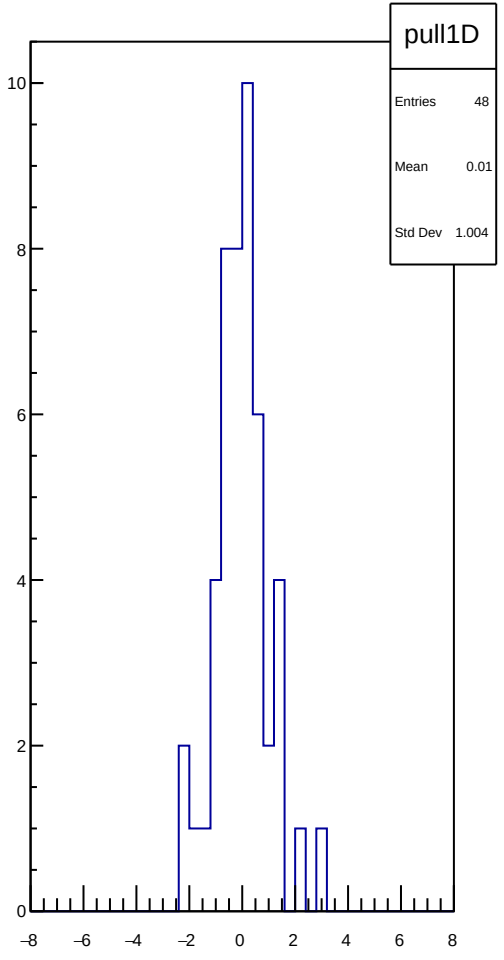

reg_asym_sam8_rms vs run
χ² / ndf 616.7 / 47
p0 453.5 ± 0.4606
510
500
490
480
470
460
450
440
430
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

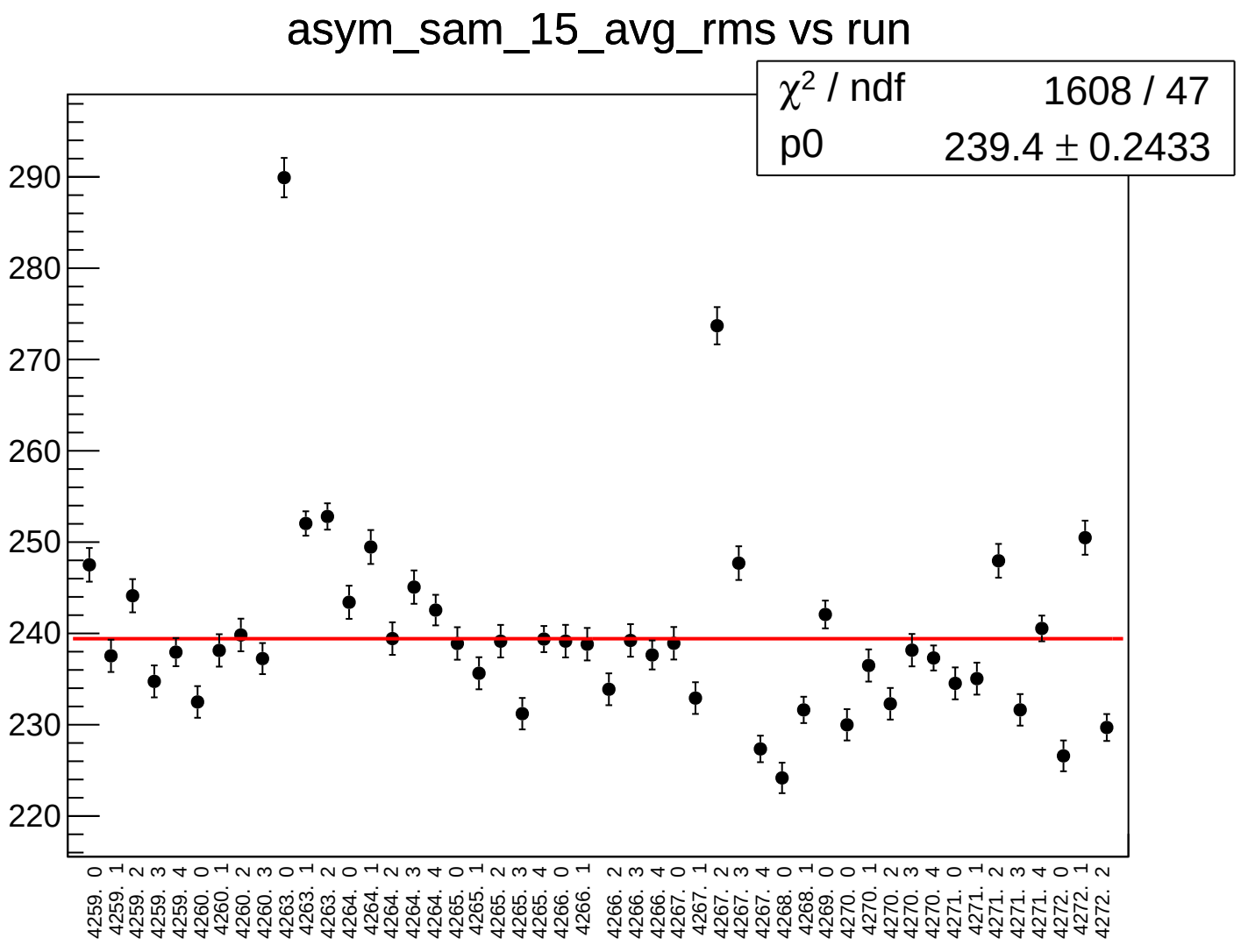

asym_sam8_correction_mean vs run
χ² / ndf 54.77 / 47
p0 618.2 ± 2530
pull
Entries 48
Mean 813.1
Std Dev 792.3

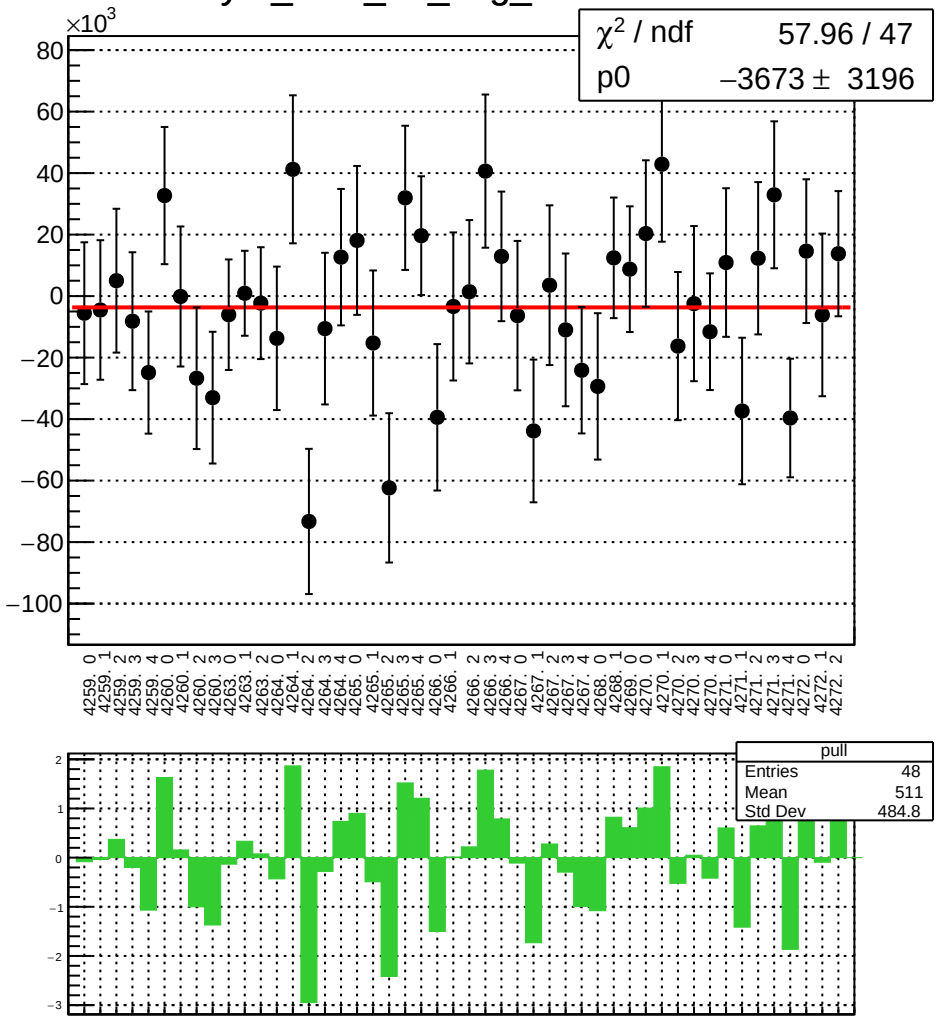

pull1D
Entries 48
Mean 0.005374
Std Dev 1.068

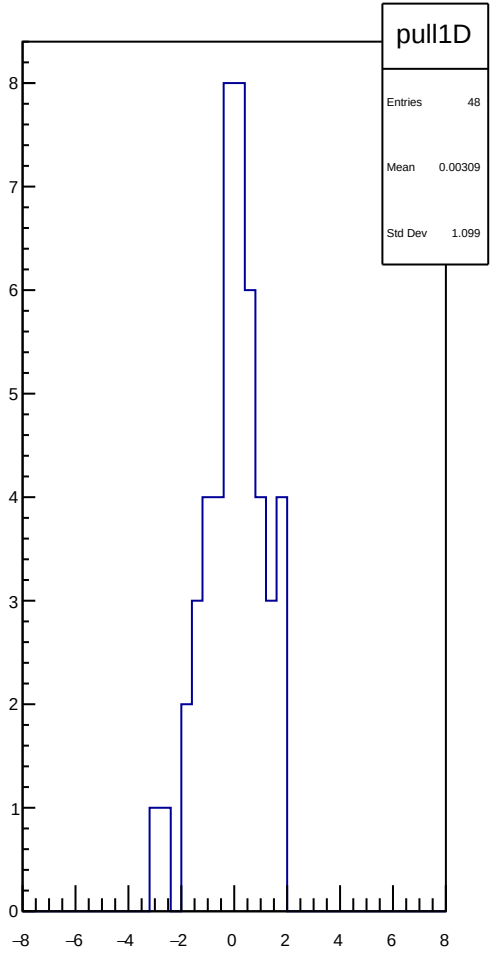

asym_sam8_correction_rms vs run
χ² / ndf 2388 / 47
p0 1760 ± 1.789
2000
1900
1800
1700
1600
1500
1400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

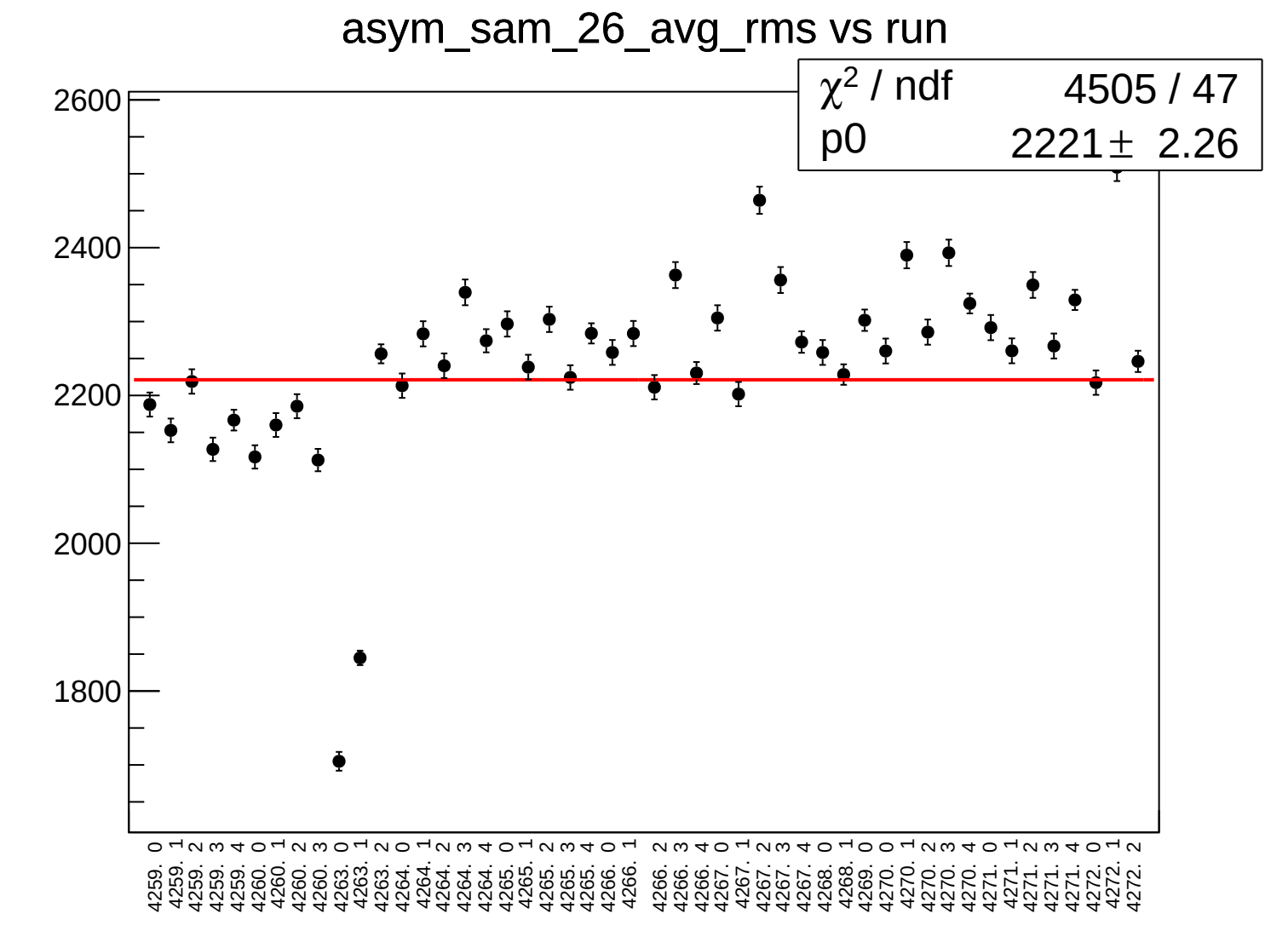

asym_sam_15_avg_mean vs run
χ² / ndf 48.43 / 47
p0 −422.9 ± 344
pull
Entries 48
Mean −80.56
Std Dev 103.4

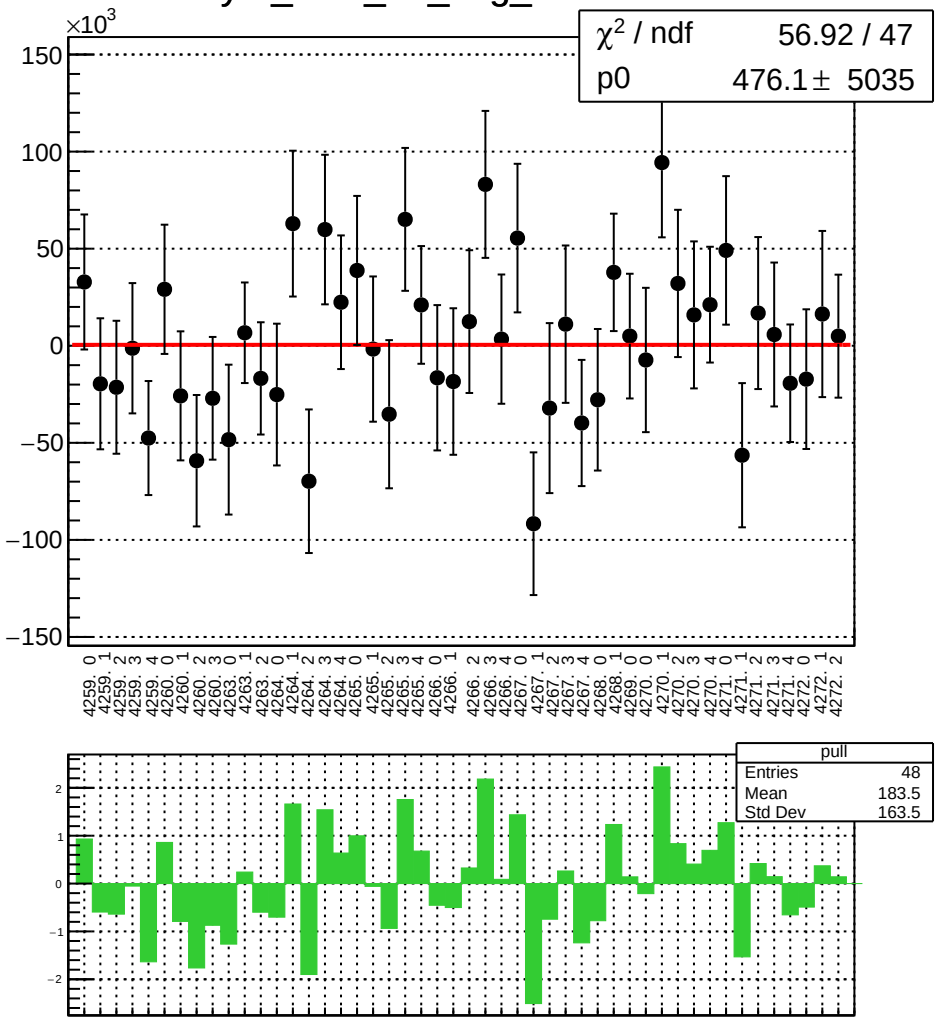

pull1D
Entries 48
Mean 0.01
Std Dev 1.004

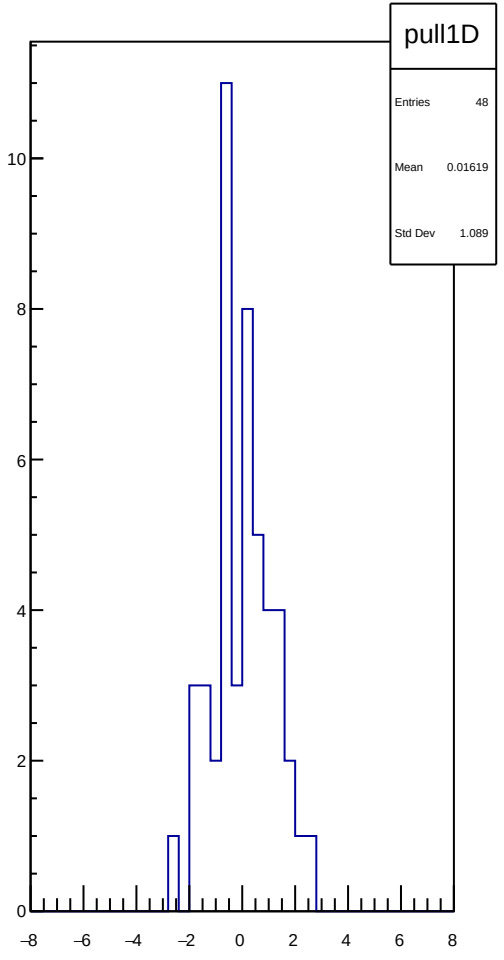

asym_sam_15_avg_rms vs run
χ^2 / ndf 1608 / 47
p0 239.4 ± 0.2433
290
280
270
260
250
240
230
220
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

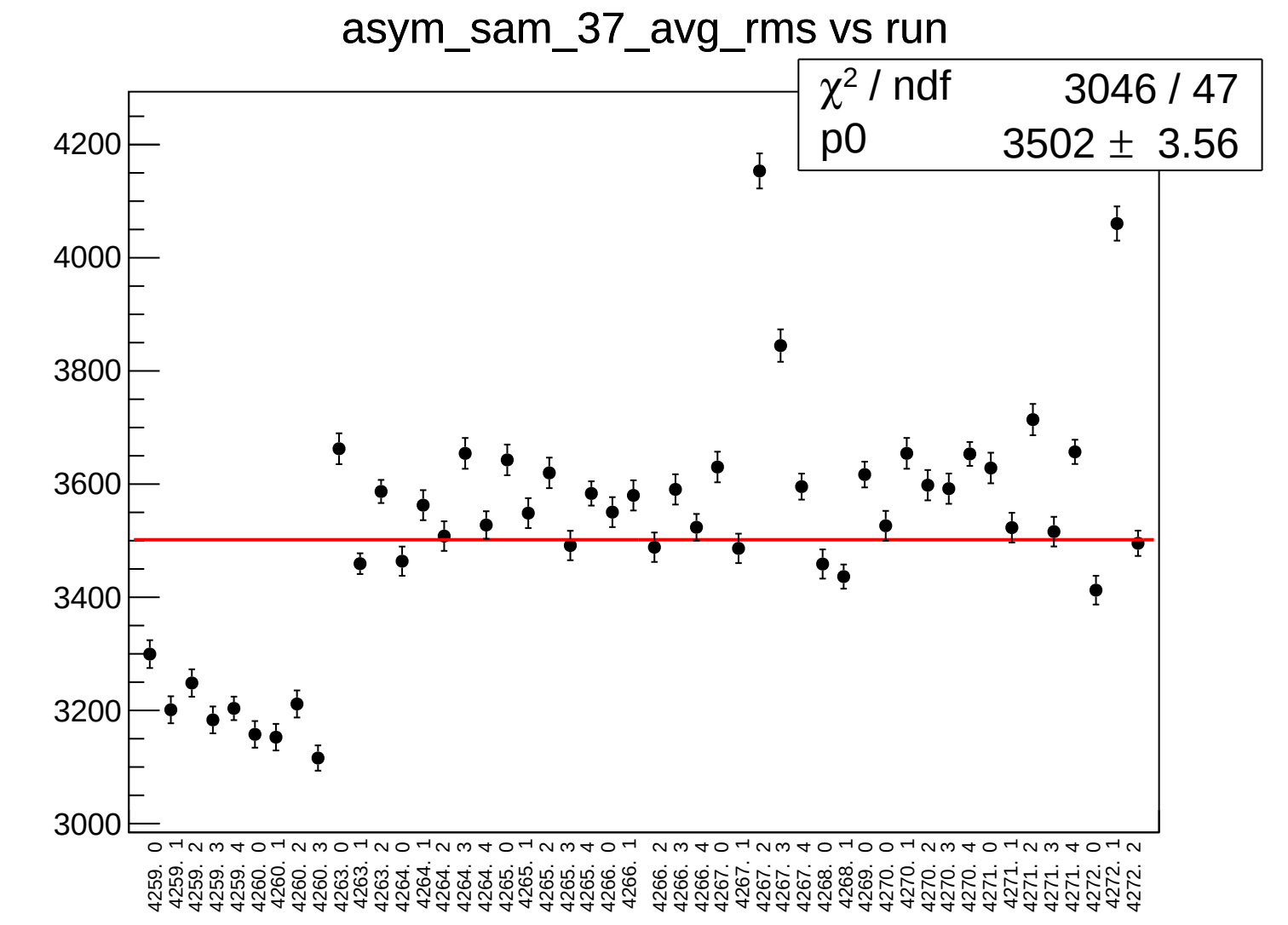

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 57.96 / 47
p0 −3673 ± 3196
pull
Entries 48
Mean 511
Std Dev 484.8

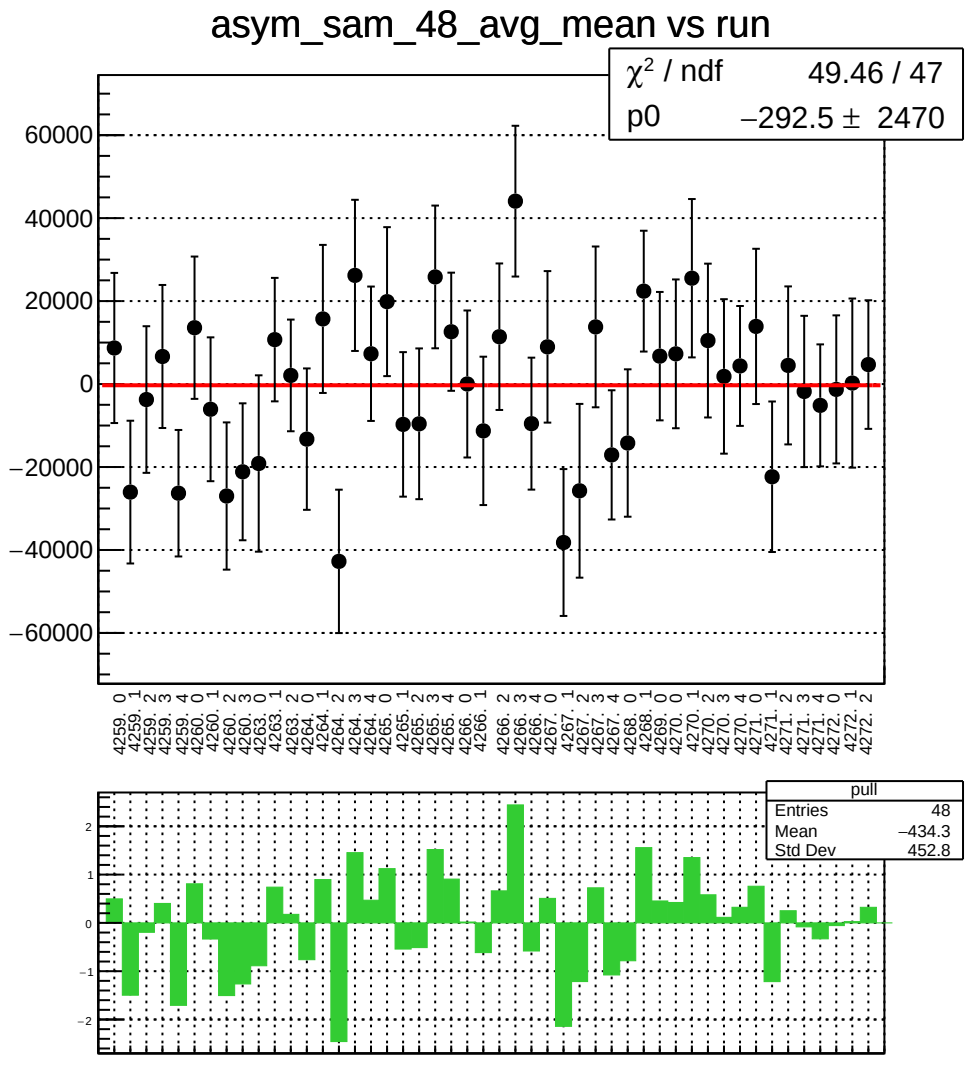

pull1D
Entries 48
Mean 0.00309
Std Dev 1.099

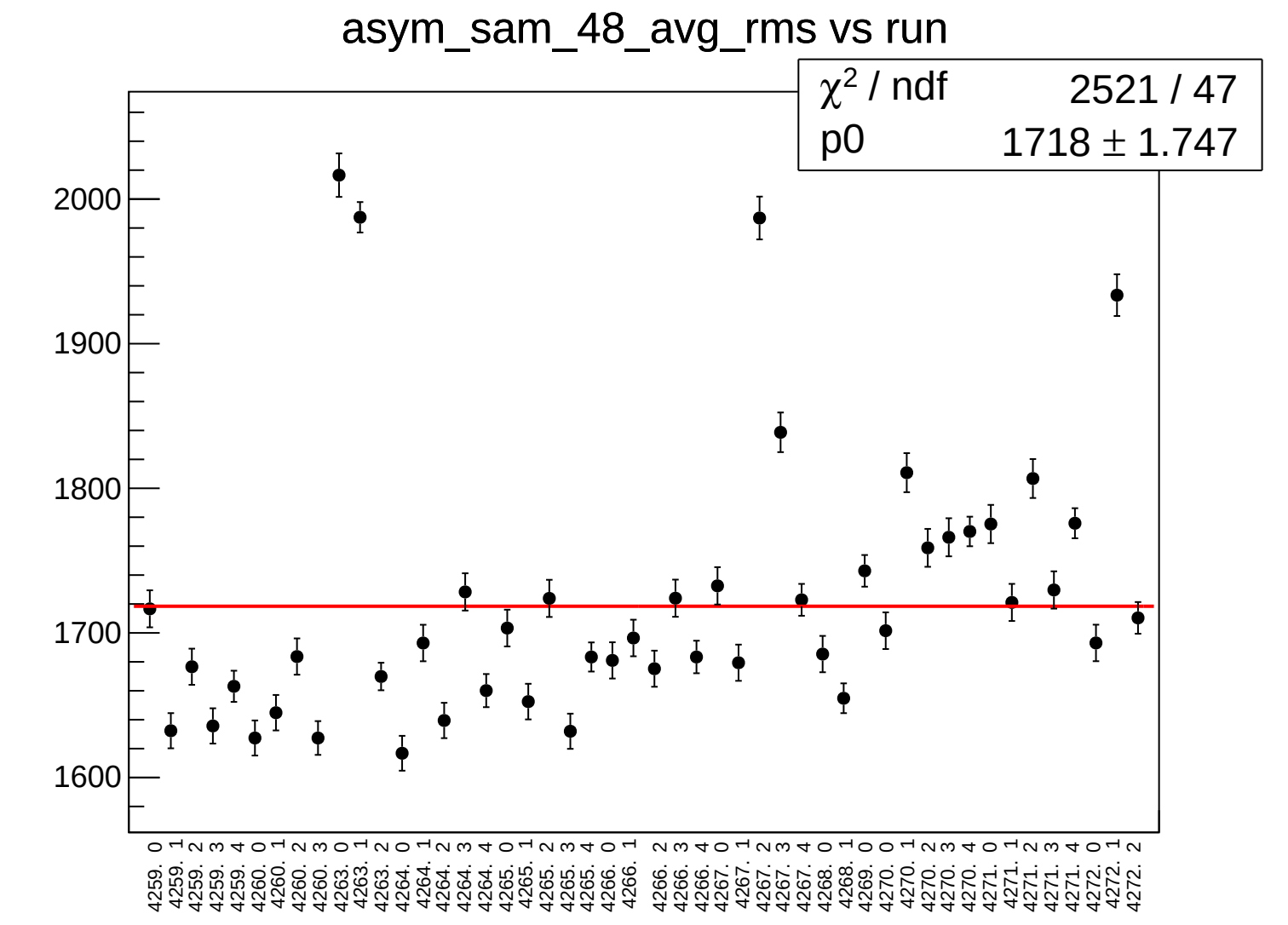

asym_sam_26_avg_rms vs run
χ² / ndf 4505 / 47
p0 2221 ± 2.26
2600
2400
2200
2000
1800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

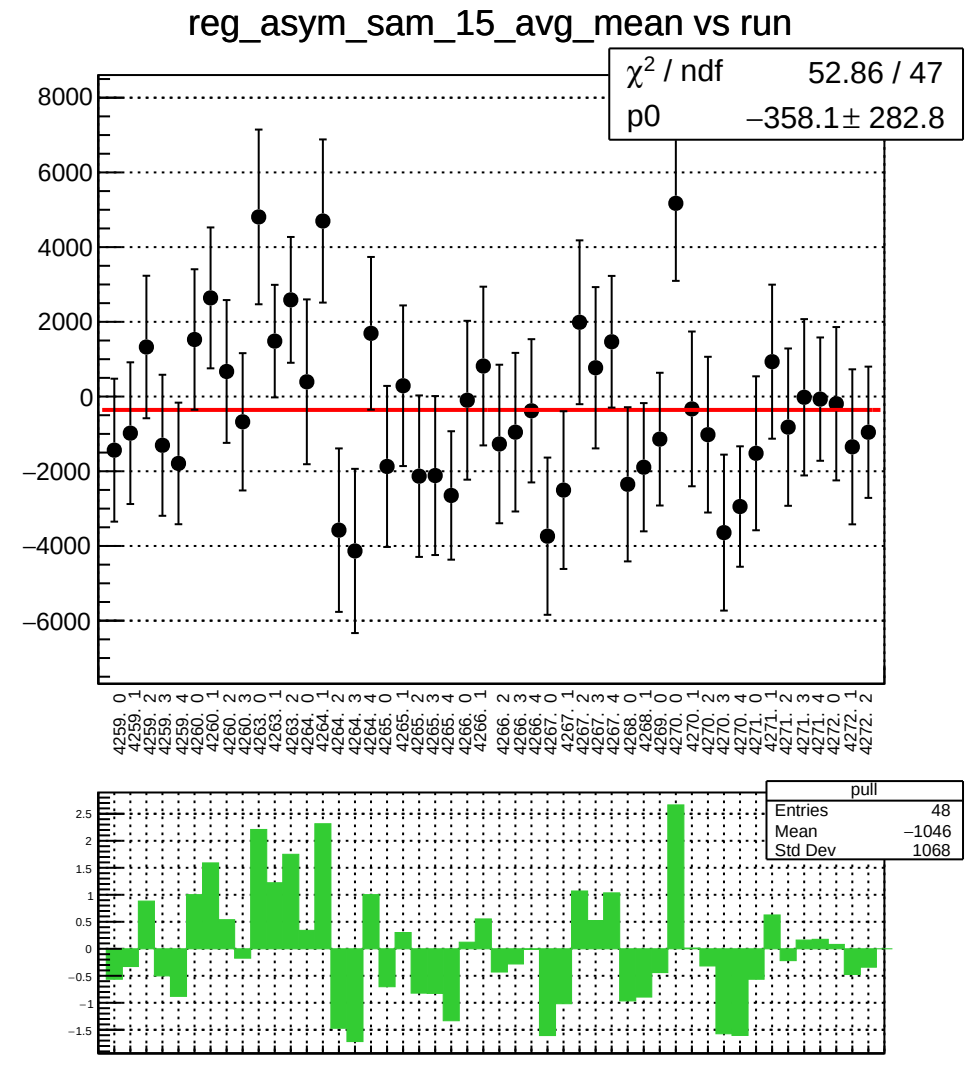

asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 56.92 / 47
p0 476.1 ± 5035
150
100
50
0
−50
−100
−150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 183.5
Std Dev 163.5
2
1
0
−1
−2

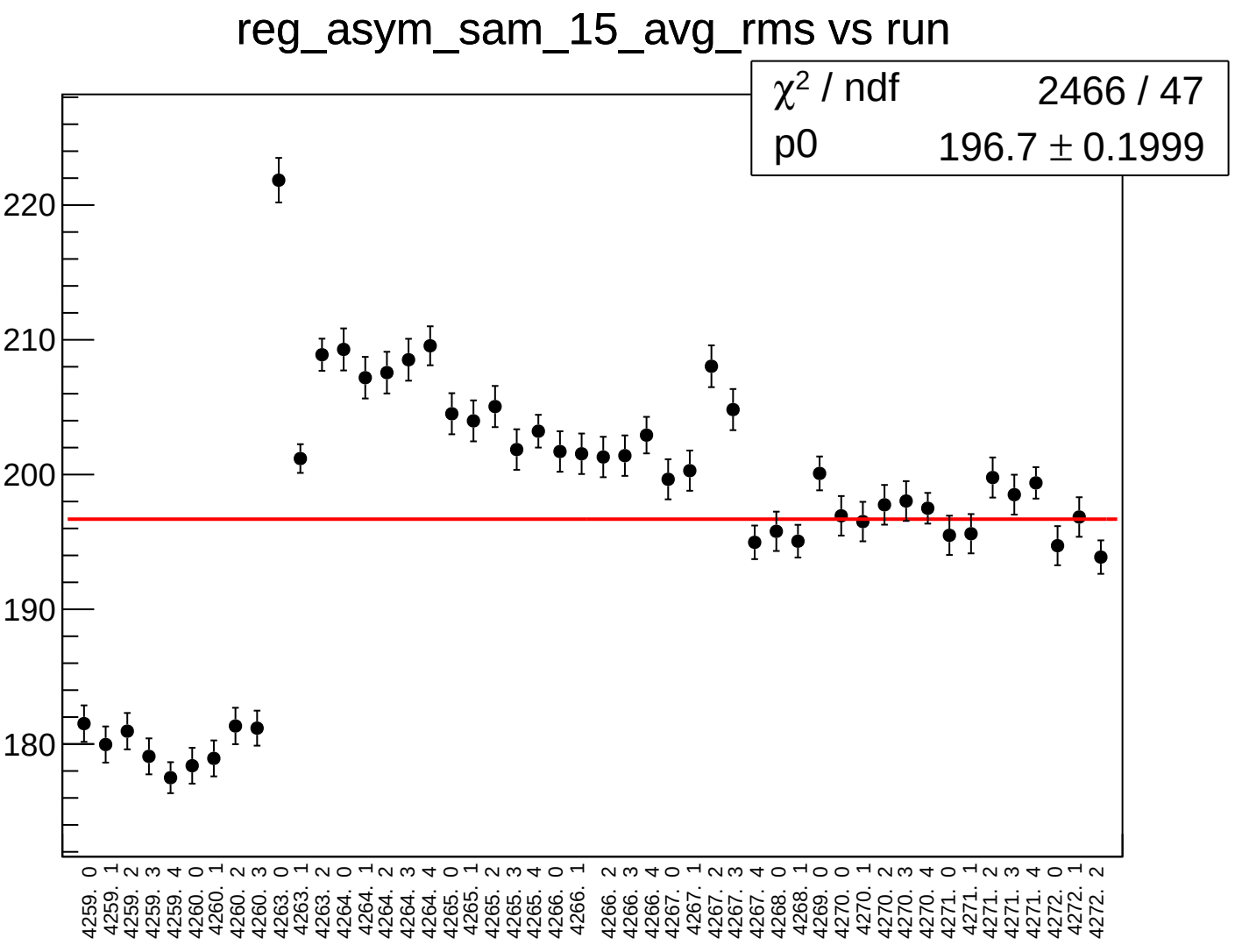

pull1D
Entries 48
Mean 0.01619
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

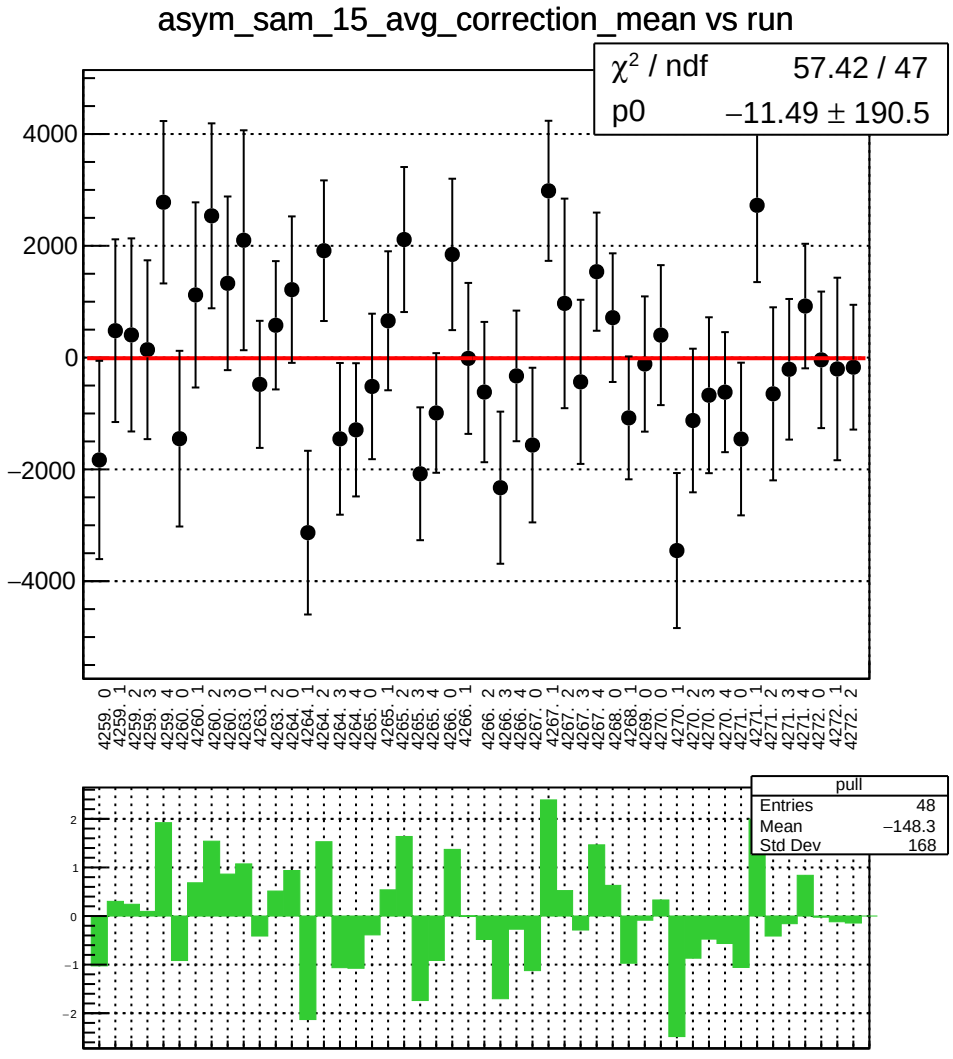

asym_sam_37_avg_rms vs run
χ² / ndf 3046 / 47
p0 3502 ± 3.56
4200
4000
3800
3600
3400
3200
3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

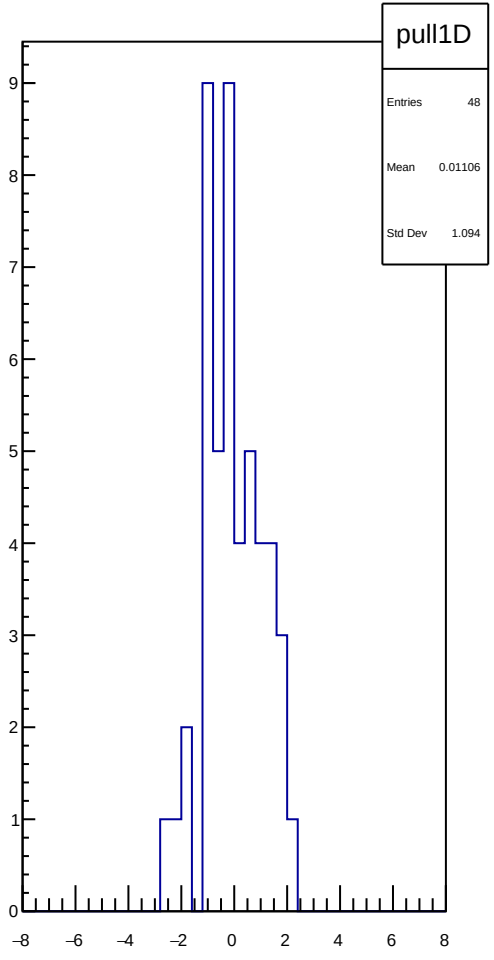

asym_sam_48_avg_mean vs run
χ² / ndf 49.46 / 47
p0 −292.5 ± 2470
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −434.3
Std Dev 452.8
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.005134
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

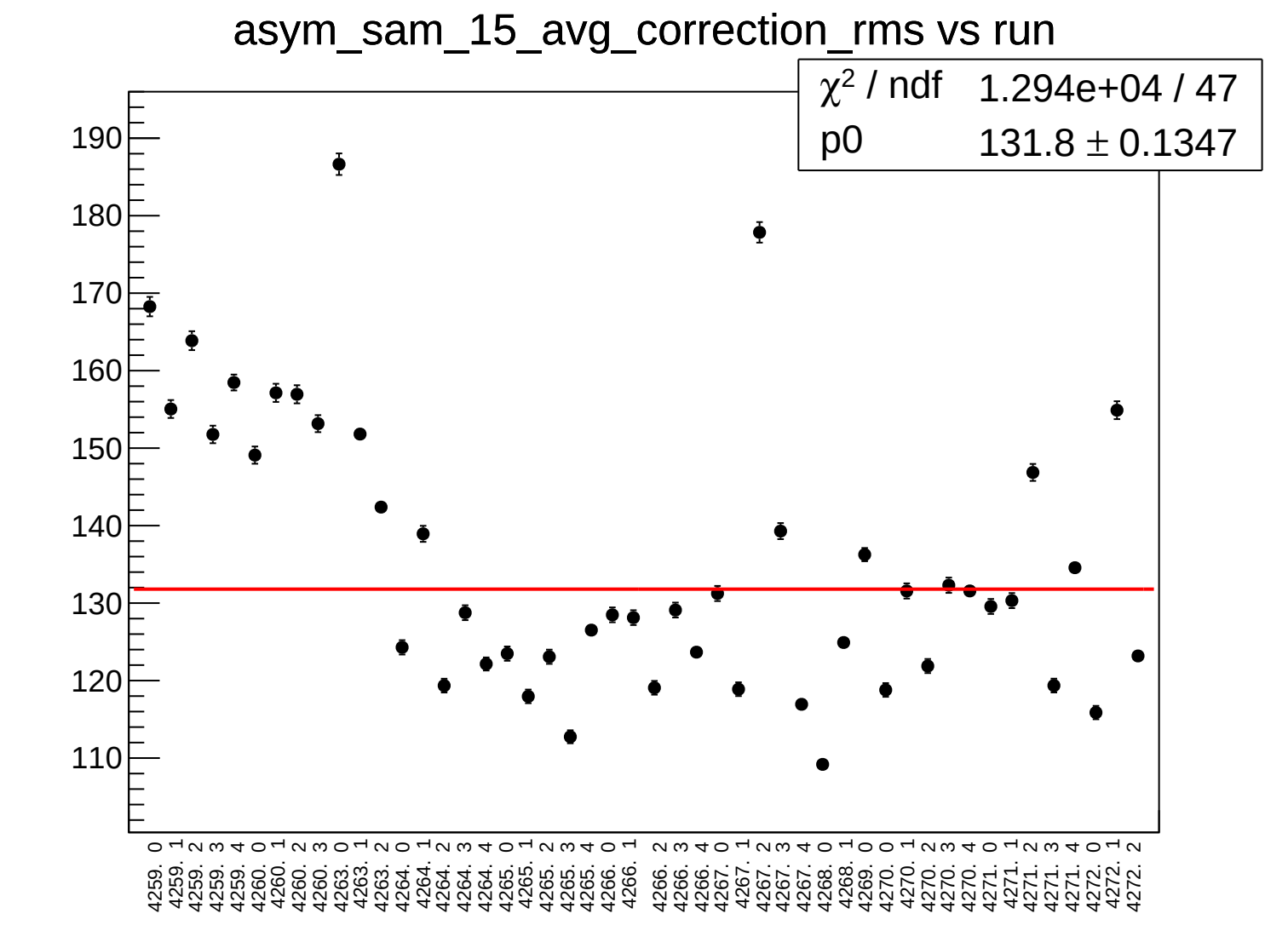

asym_sam_48_avg_rms vs run
χ² / ndf 2521 / 47
p0 1718 ± 1.747
2000
1900
1800
1700
1600
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

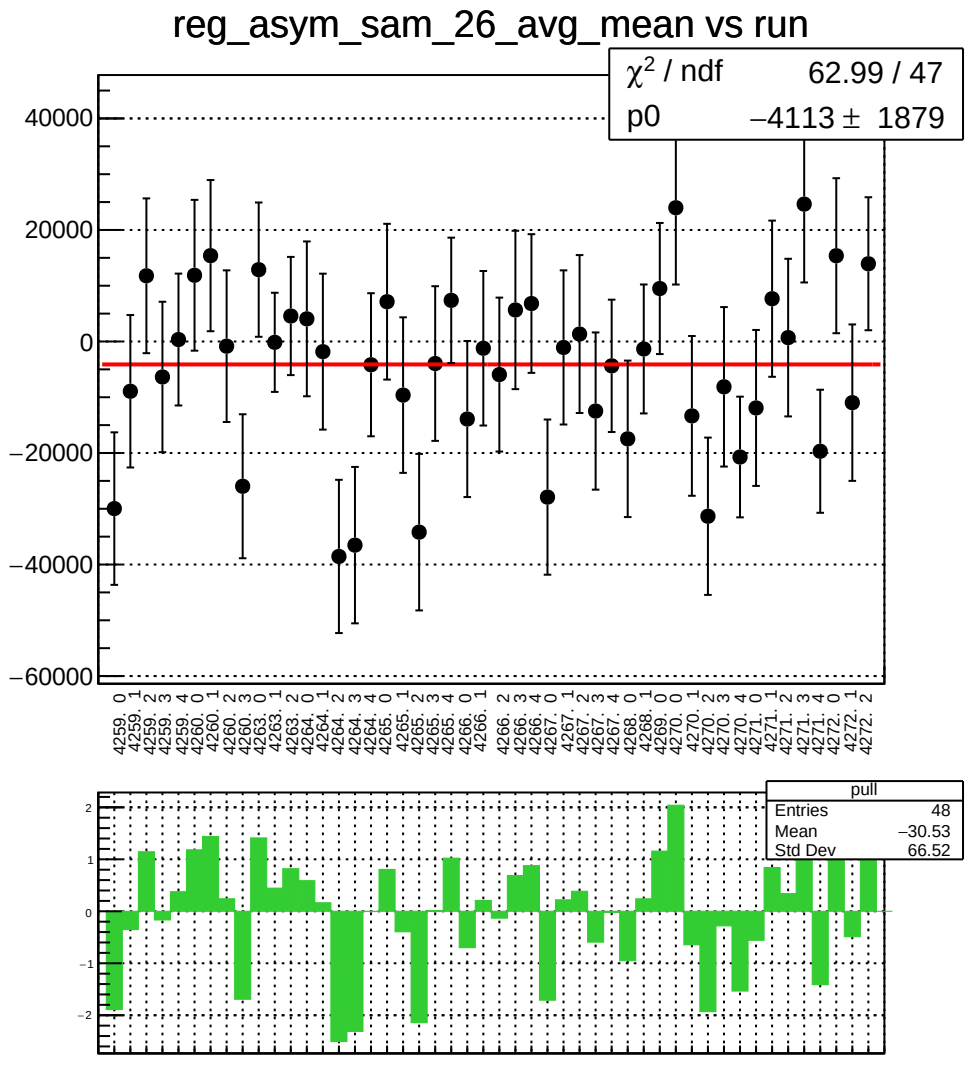

reg_asym_sam_15_avg_mean vs run
χ² / ndf 52.86 / 47
p0 −358.1± 282.8
8000
6000
4000
2000
0
−2000
−4000
−6000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1046
Std Dev 1068
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean 0.002679
Std Dev 1.049
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

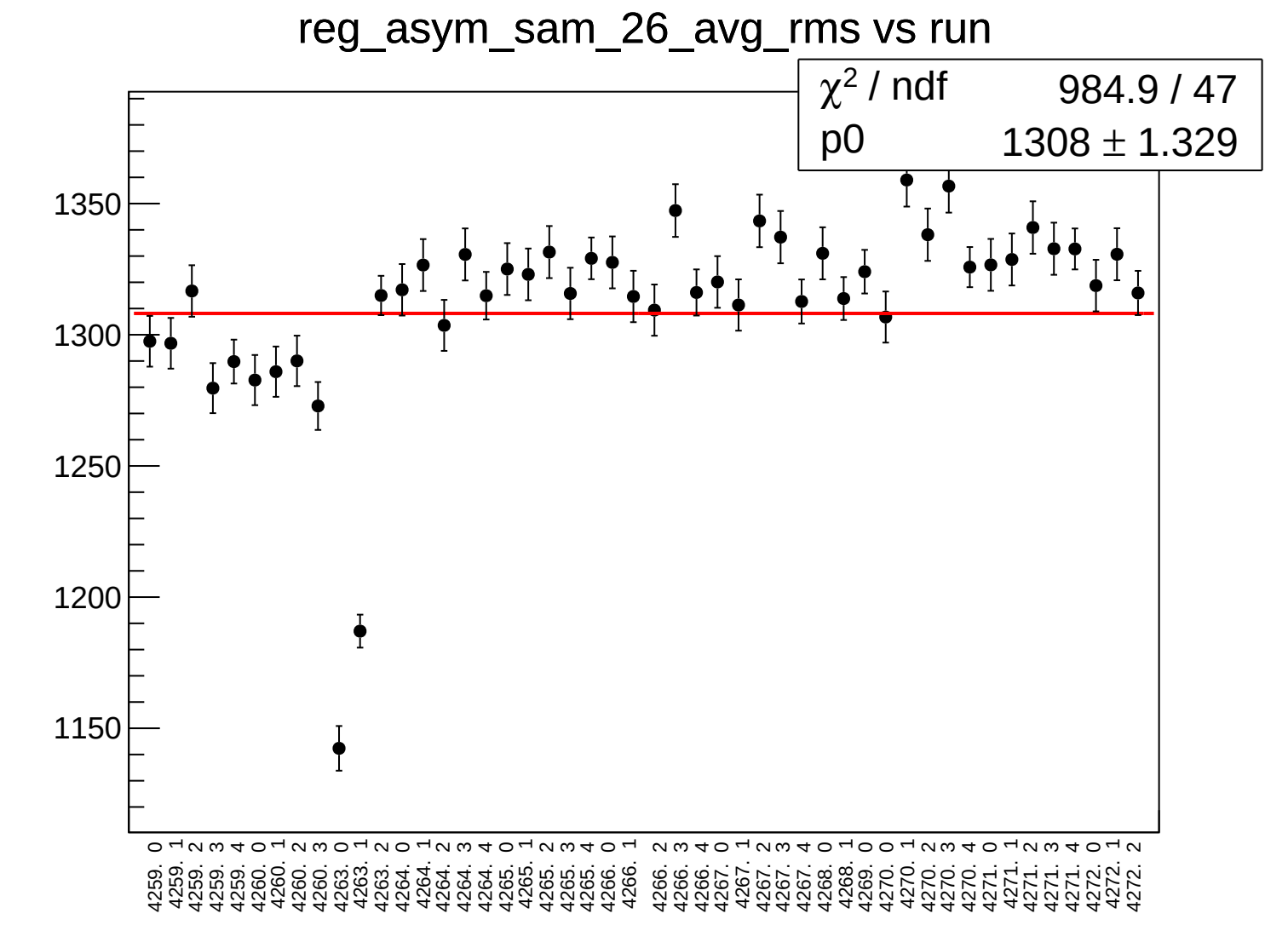

reg_asym_sam_15_avg_rms vs run
χ² / ndf 2466 / 47
p0 196.7 ± 0.1999
220
210
200
190
180
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

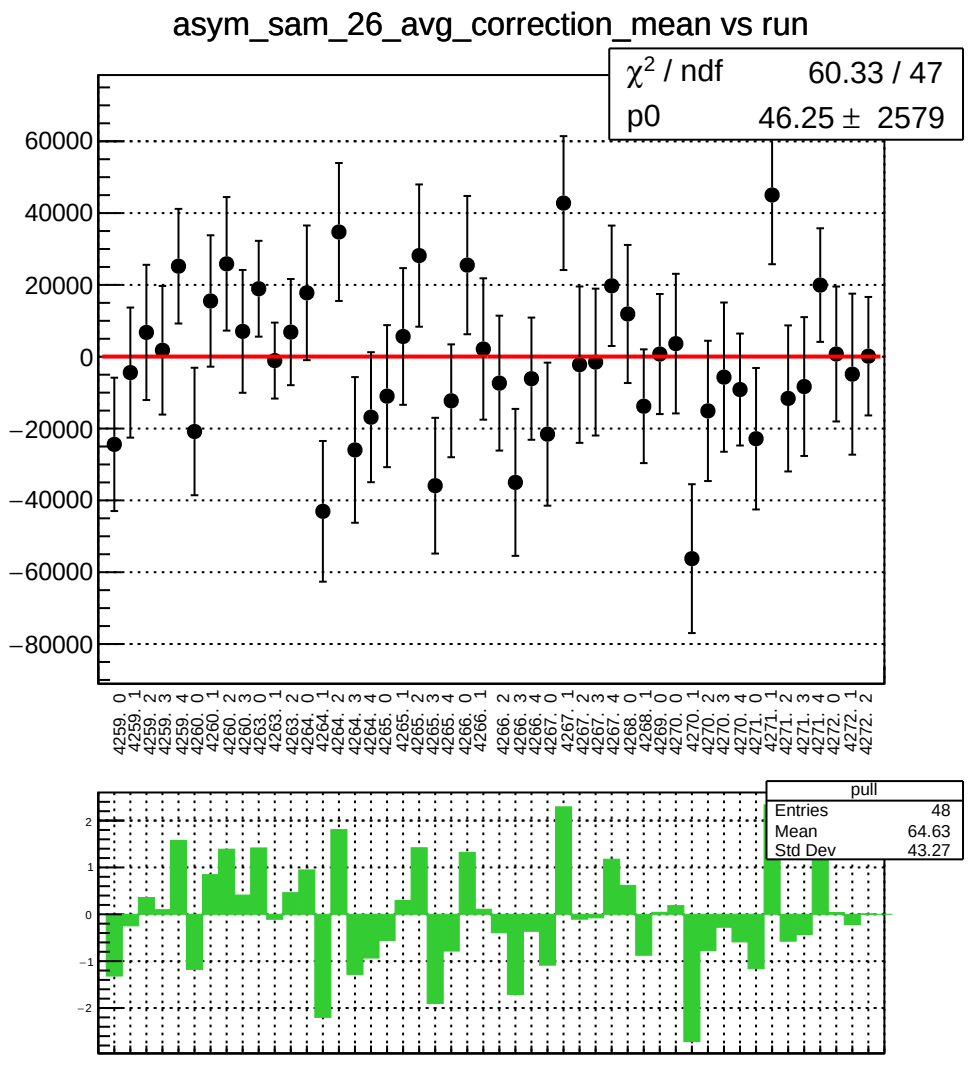

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.42 / 47
p0 −11.49 ± 190.5
4000
2000
0
−2000
−4000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −148.3
Std Dev 168
2
1
0
−1
−2

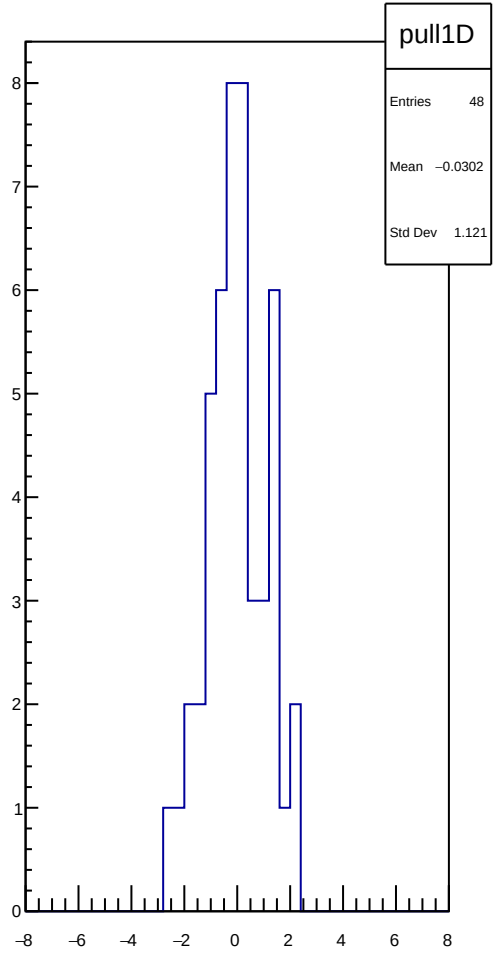

pull1D
Entries 48
Mean 0.01106
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

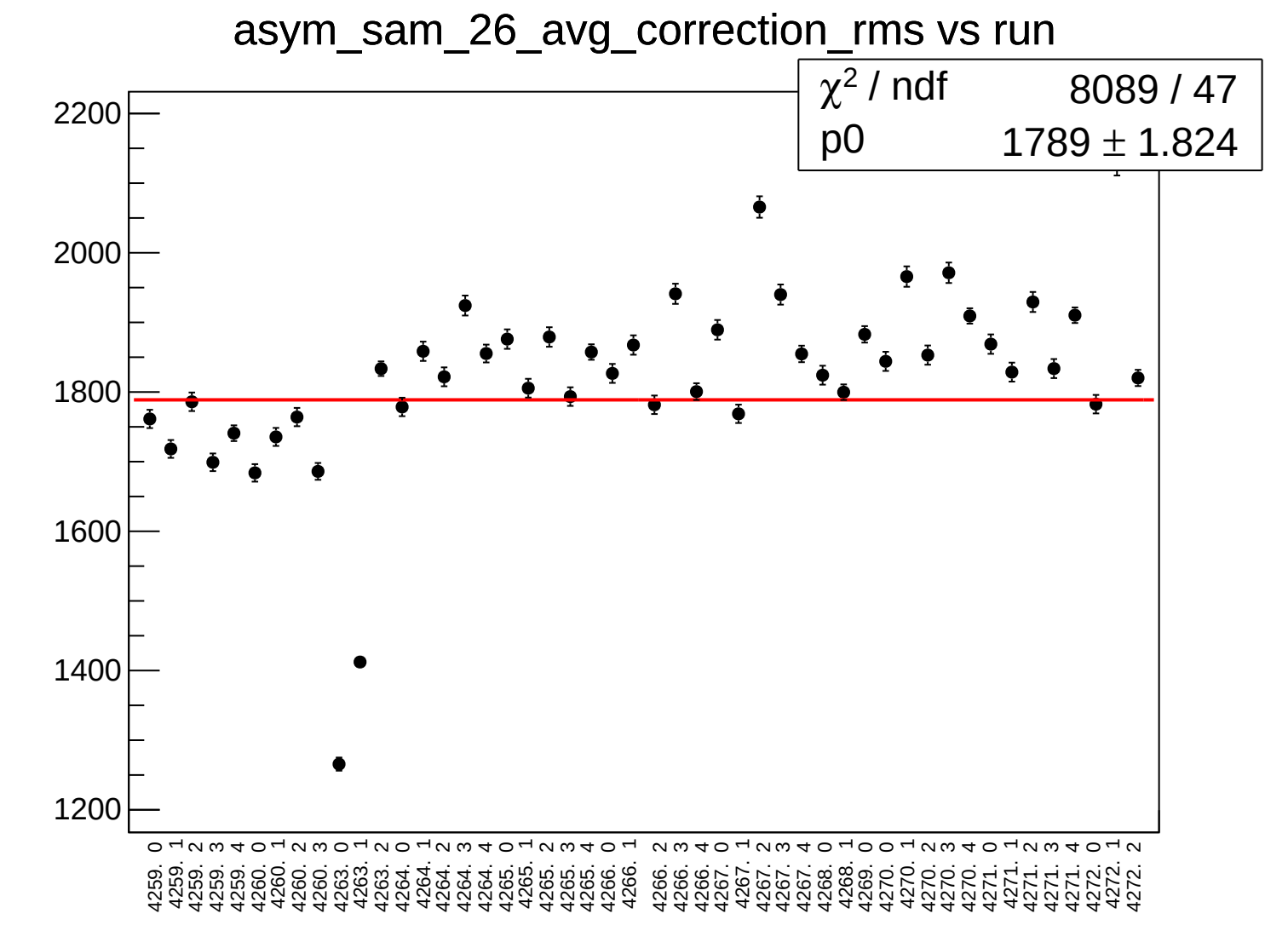

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.294e+04 / 47
p0 131.8 ± 0.1347
190
180
170
160
150
140
130
120
110
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

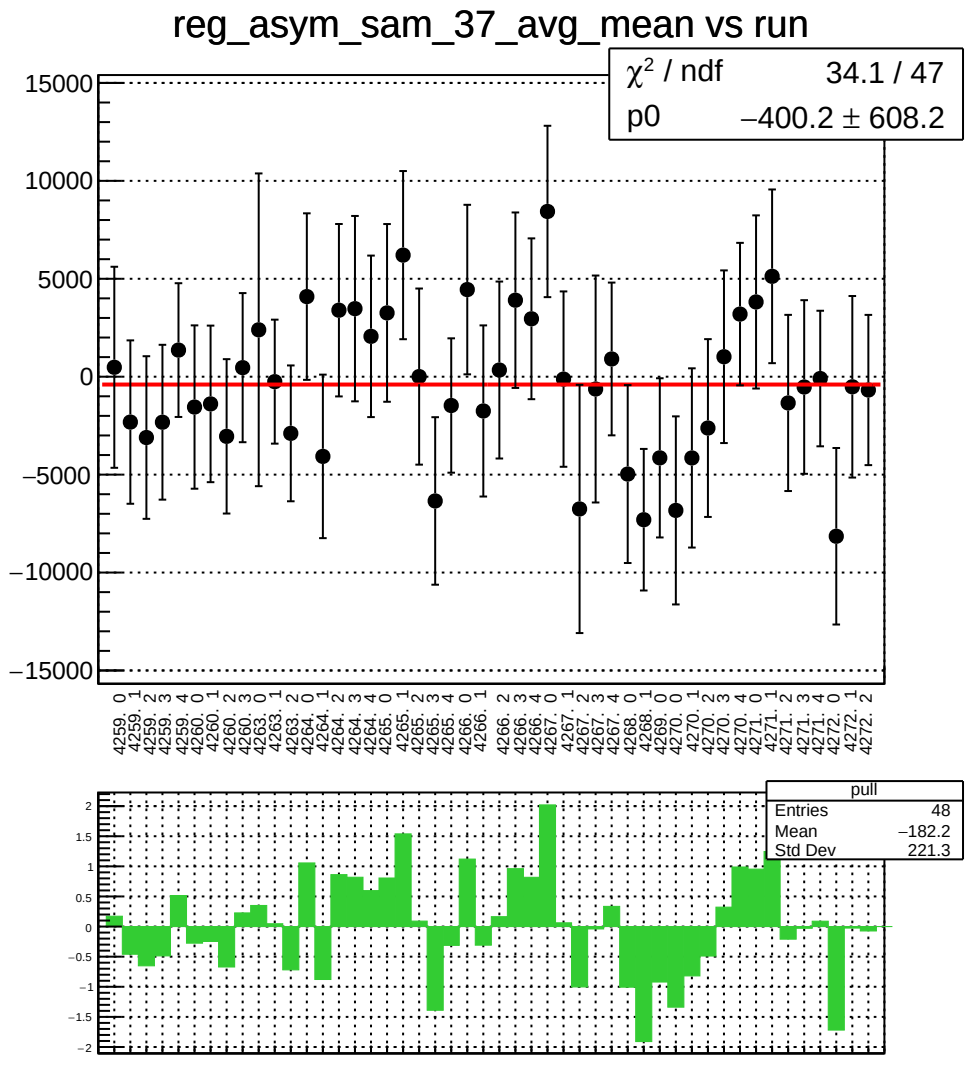

reg_asym_sam_26_avg_mean vs run
χ² / ndf 62.99 / 47
p0 −4113 ± 1879
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −30.53
Std Dev 66.52
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.01674
Std Dev 1.145
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

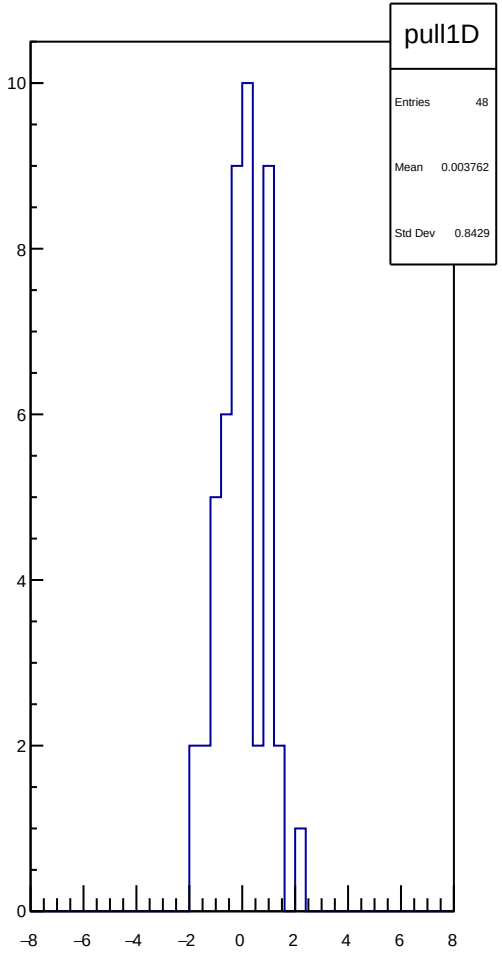

reg_asym_sam_26_avg_rms vs run
χ² / ndf 984.9 / 47
p0 1308 ± 1.329
1350
1300
1250
1200
1150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

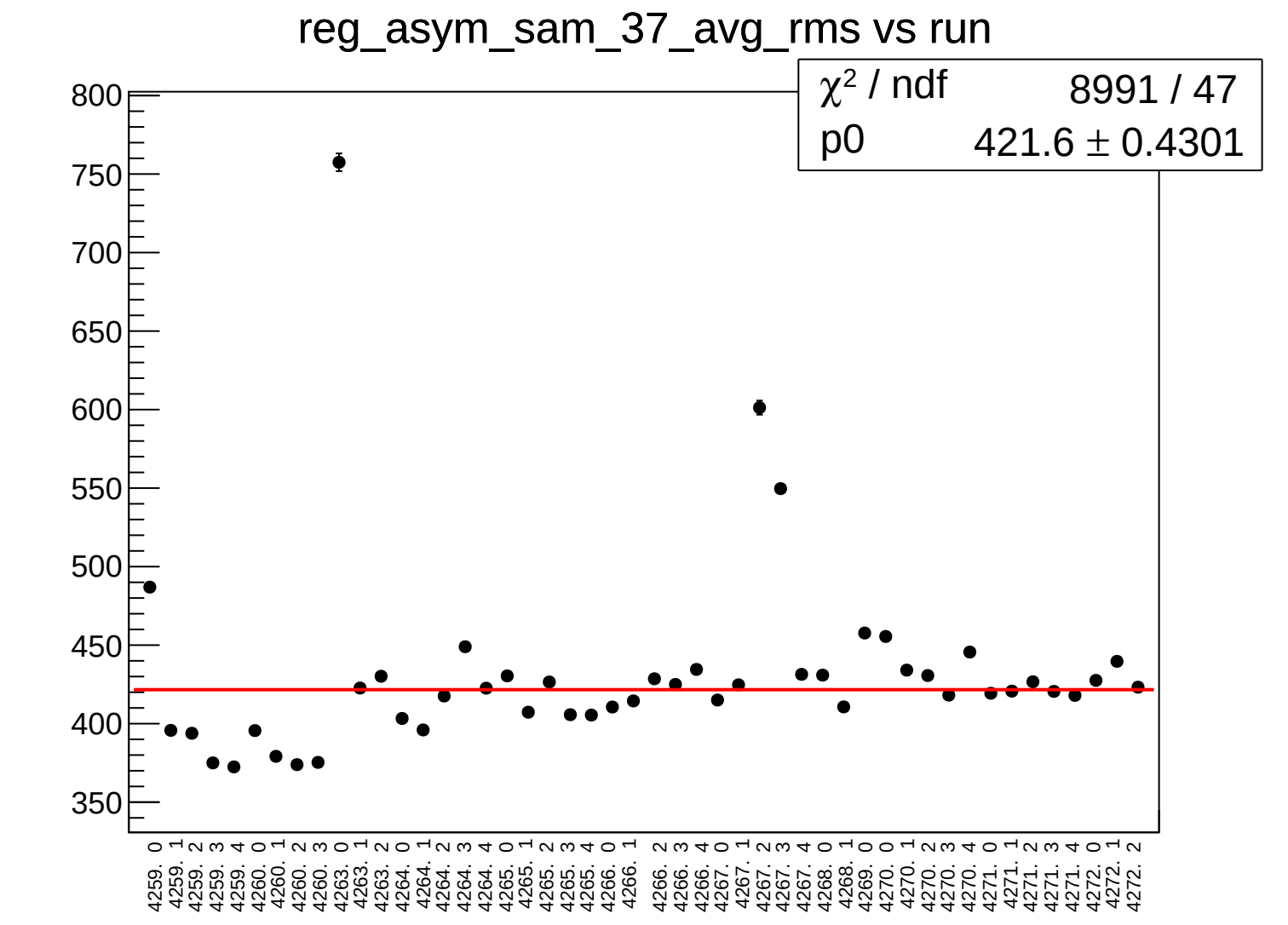

asym_sam_26_avg_correction_mean vs run
χ² / ndf 60.33 / 47
p0 46.25 ± 2579
pull
Entries 48
Mean 64.63
Std Dev 43.27

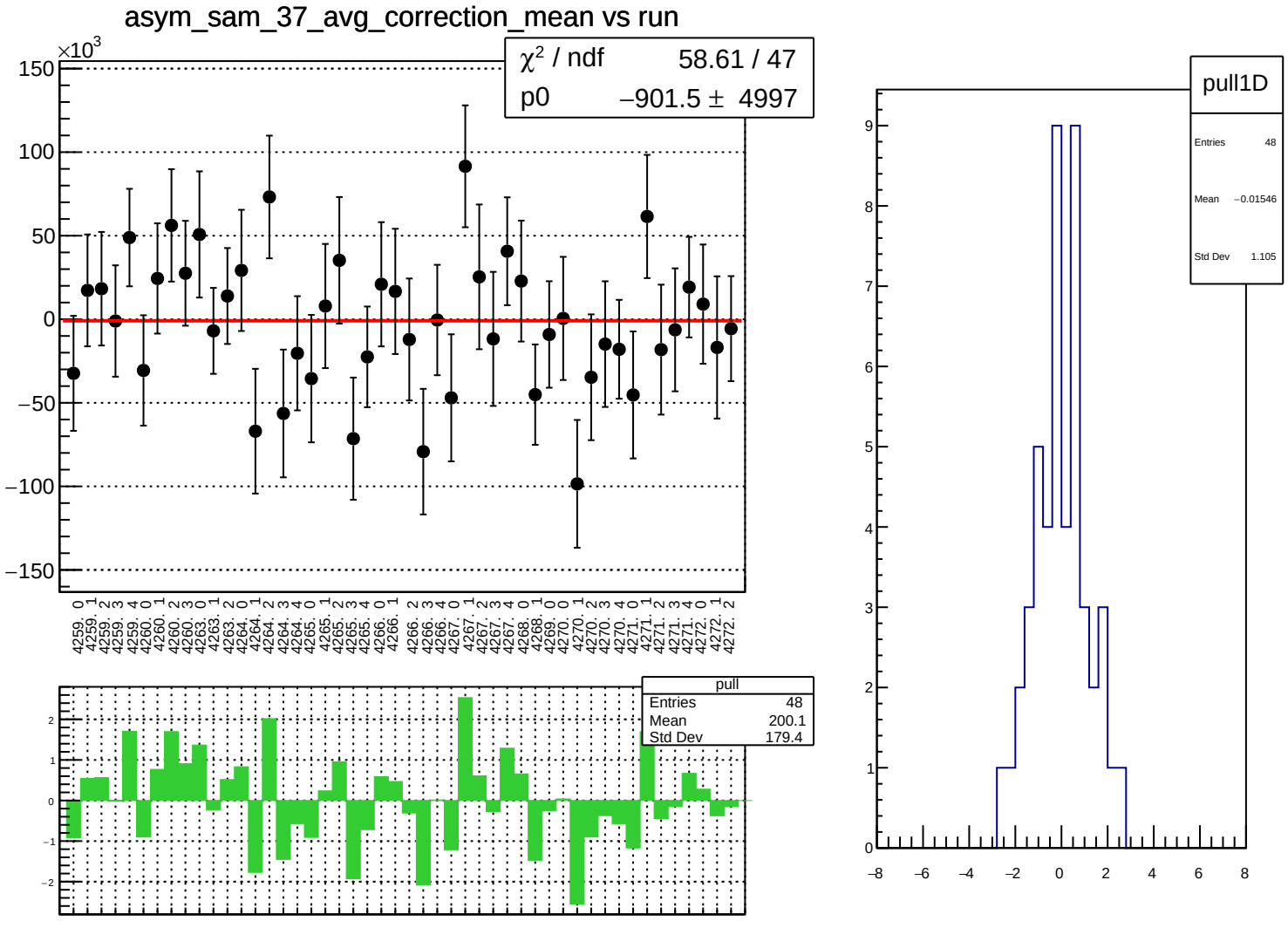

pull1D
Entries 48
Mean −0.0302
Std Dev 1.121

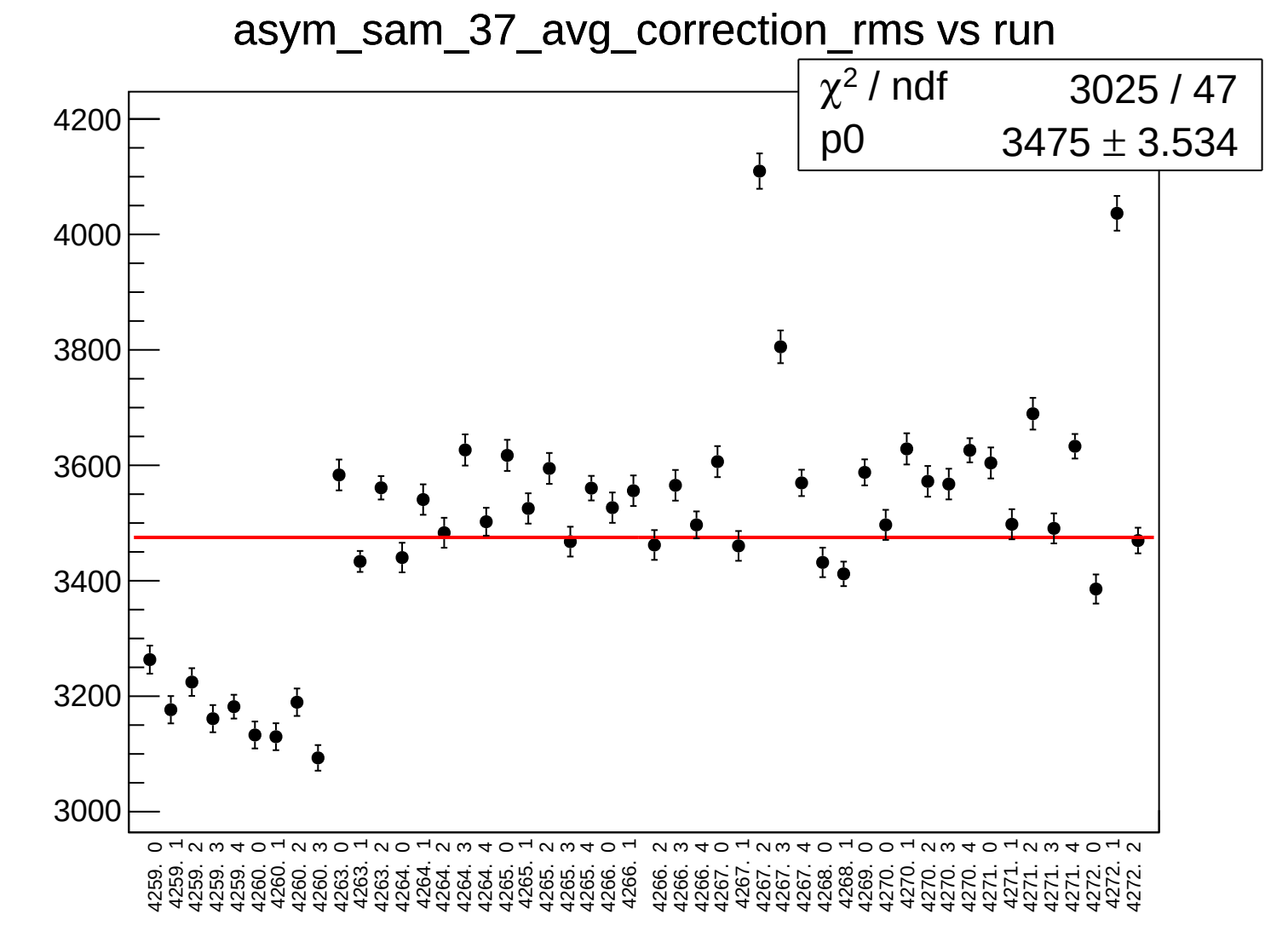

asym_sam_26_avg_correction_rms vs run
χ² / ndf 8089 / 47
p0 1789 ± 1.824
2200
2000
1800
1600
1400
1200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

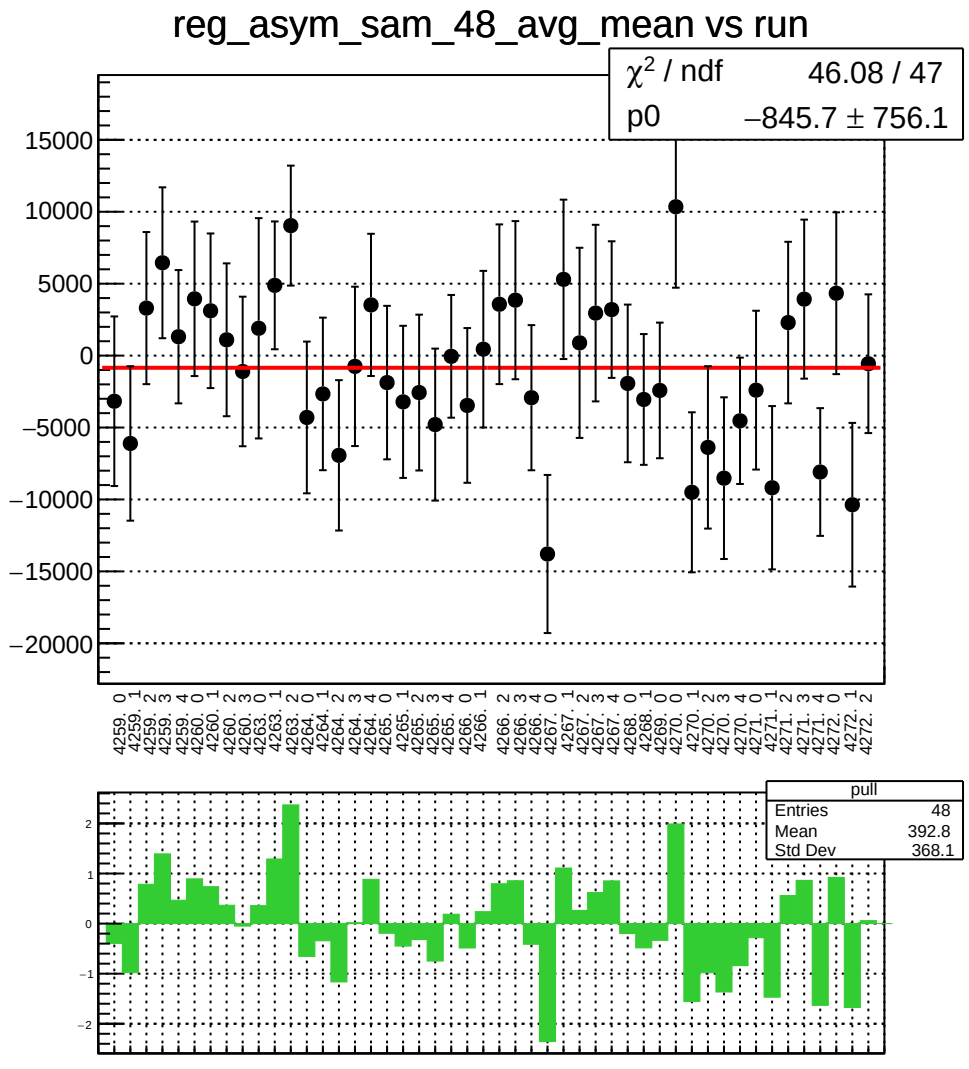

reg_asym_sam_37_avg_mean vs run
χ² / ndf 34.1 / 47
p0 −400.2 ± 608.2
15000
10000
5000
0
−5000
−10000
−15000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −182.2
Std Dev 221.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

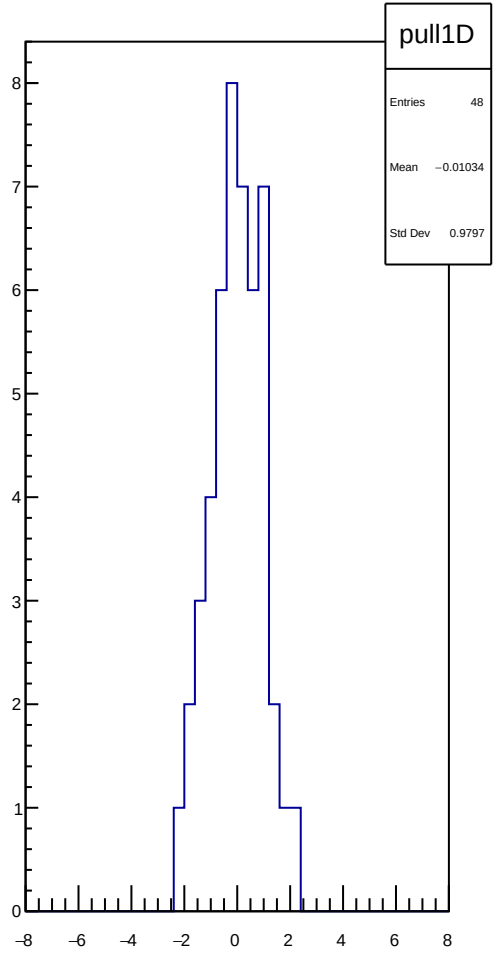

pull1D
Entries 48
Mean 0.003762
Std Dev 0.8429
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

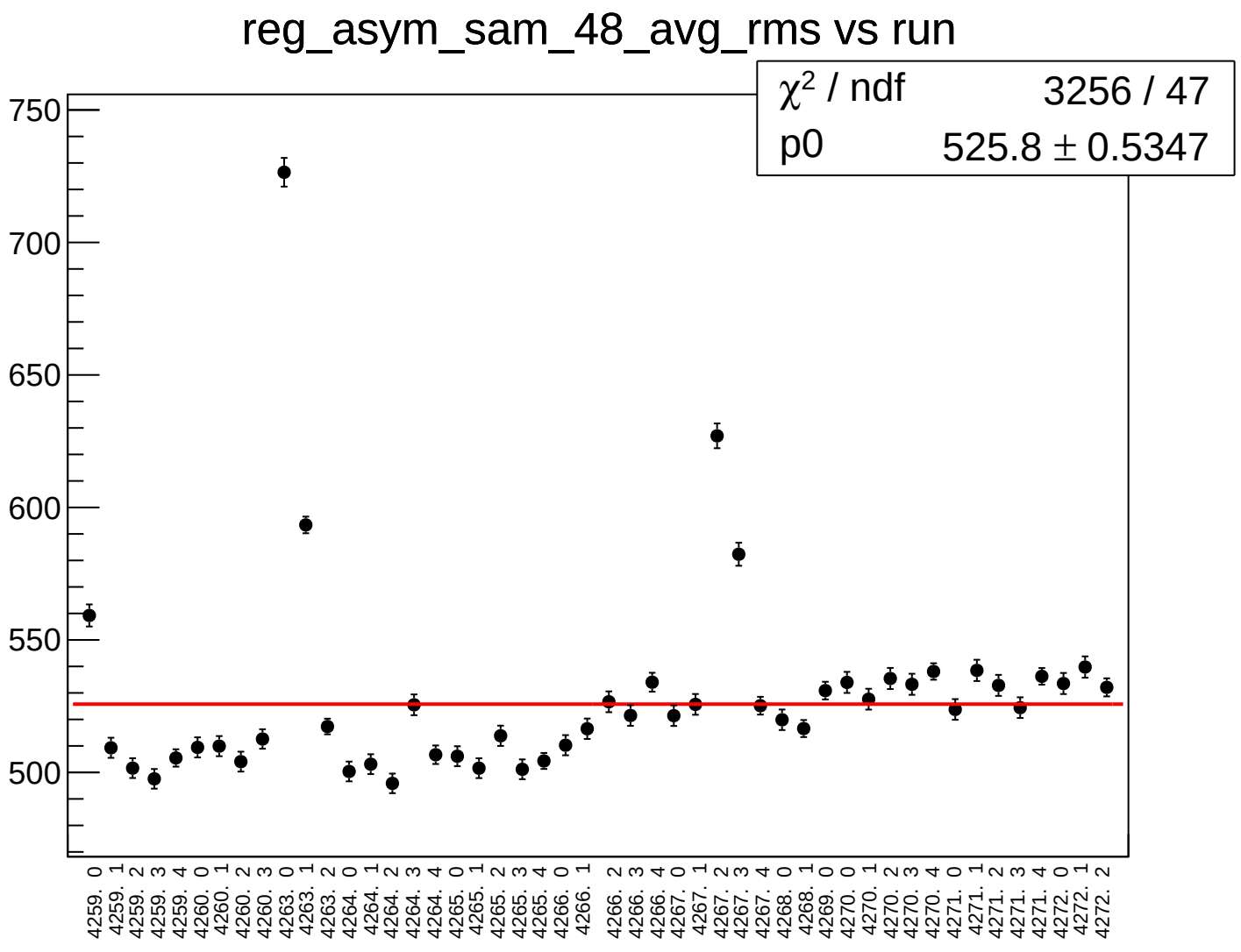

reg_asym_sam_37_avg_rms vs run
χ² / ndf 8991 / 47
p0 421.6 ± 0.4301
800
750
700
650
600
550
500
450
400
350
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

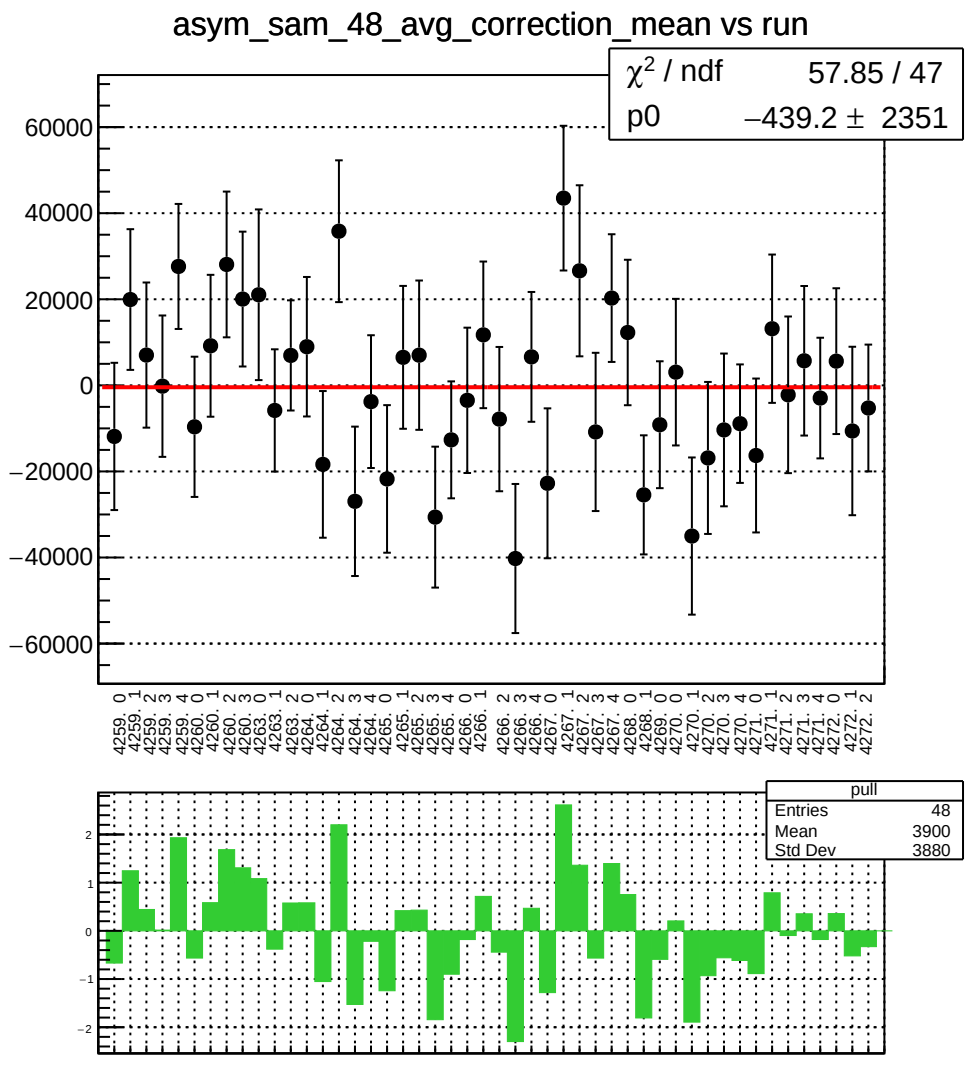

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 58.61 / 47
p0 −901.5 ± 4997
150
100
50
0
−50
−100
−150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 200.1
Std Dev 179.4
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.01546
Std Dev 1.105
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

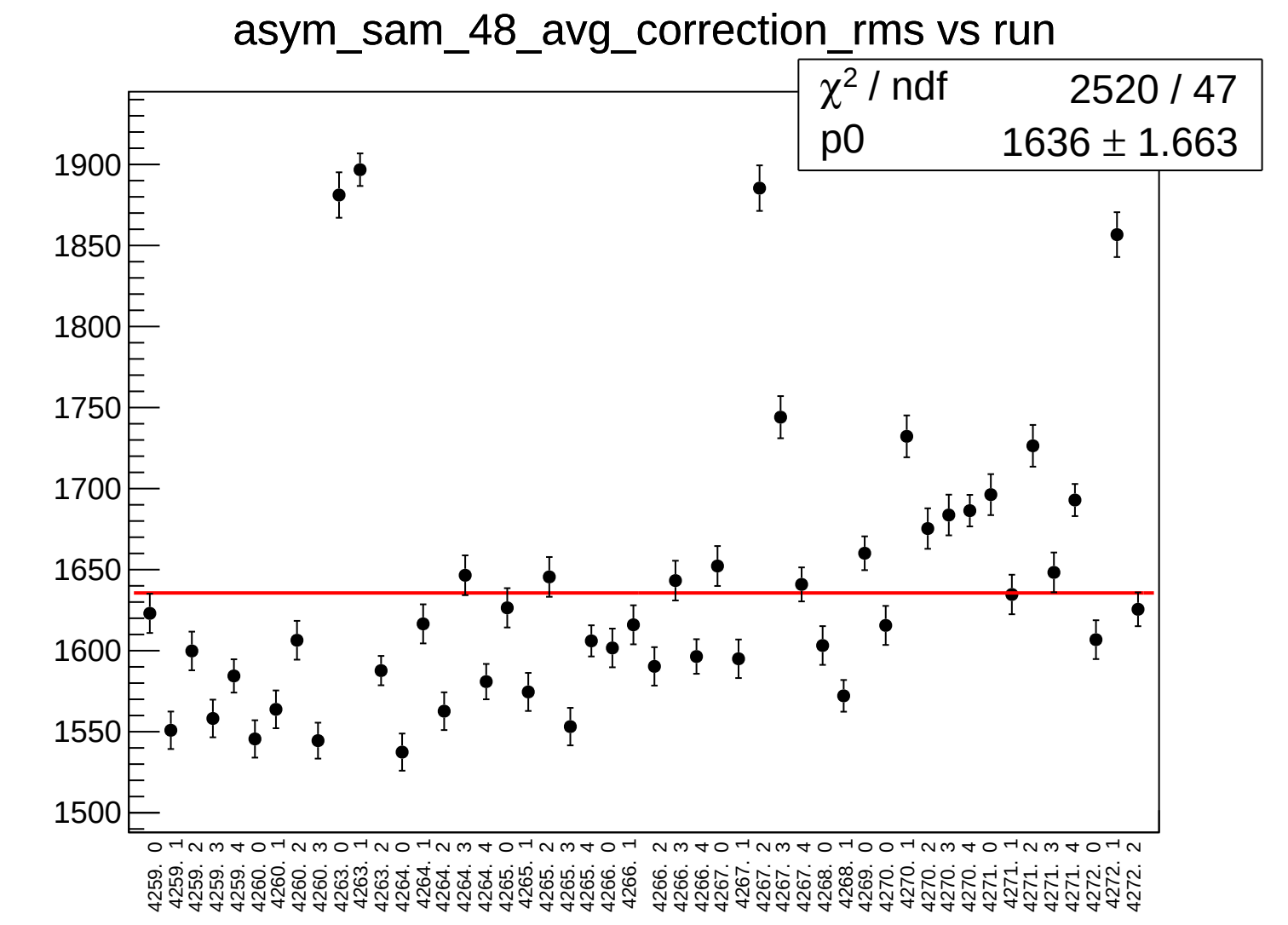

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3025 / 47
p0 3475 ± 3.534
4200
4000
3800
3600
3400
3200
3000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

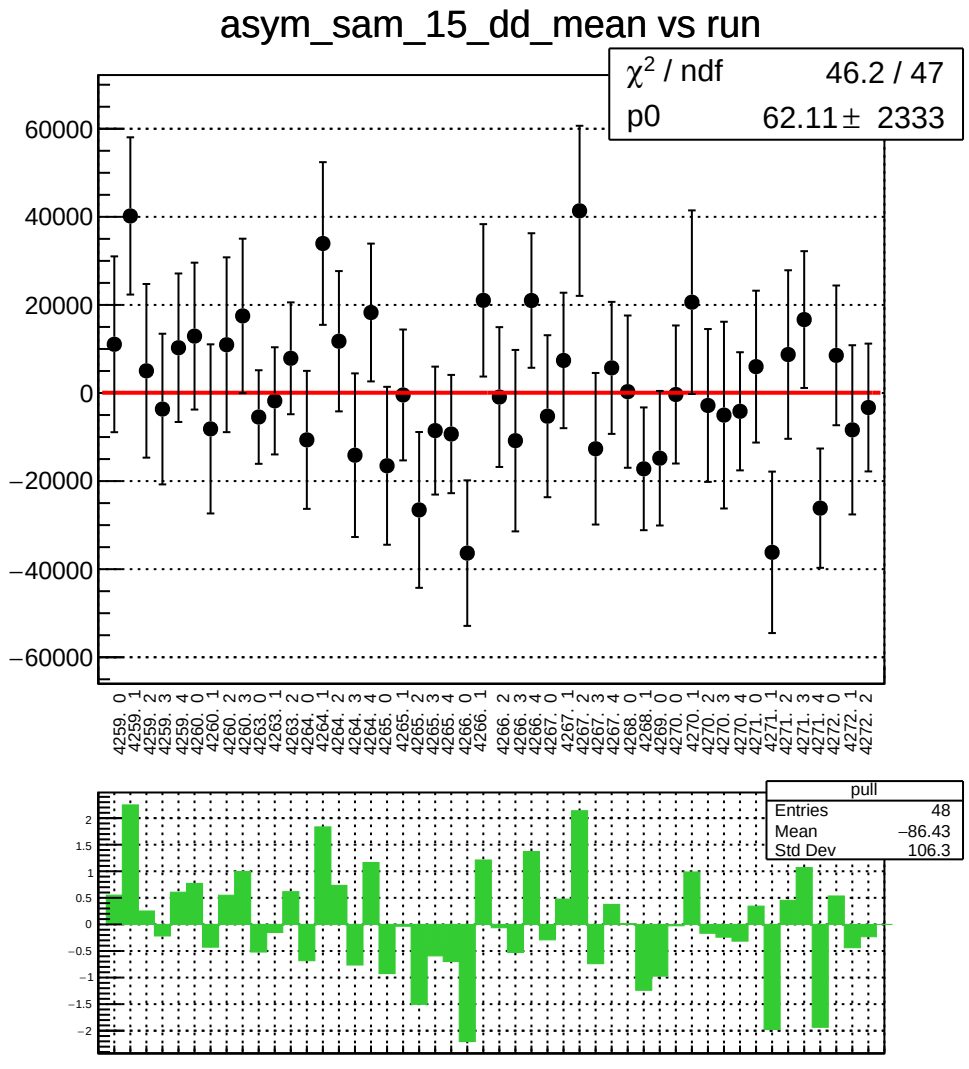

reg_asym_sam_48_avg_mean vs run
χ² / ndf 46.08 / 47
p0 −845.7 ± 756.1
pull
Entries 48
Mean 392.8
Std Dev 368.1

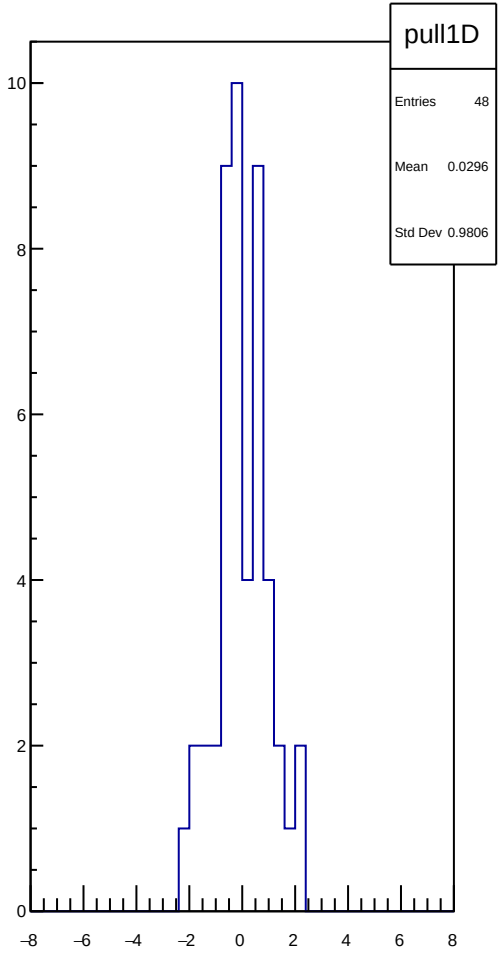

pull1D
Entries 48
Mean −0.01034
Std Dev 0.9797

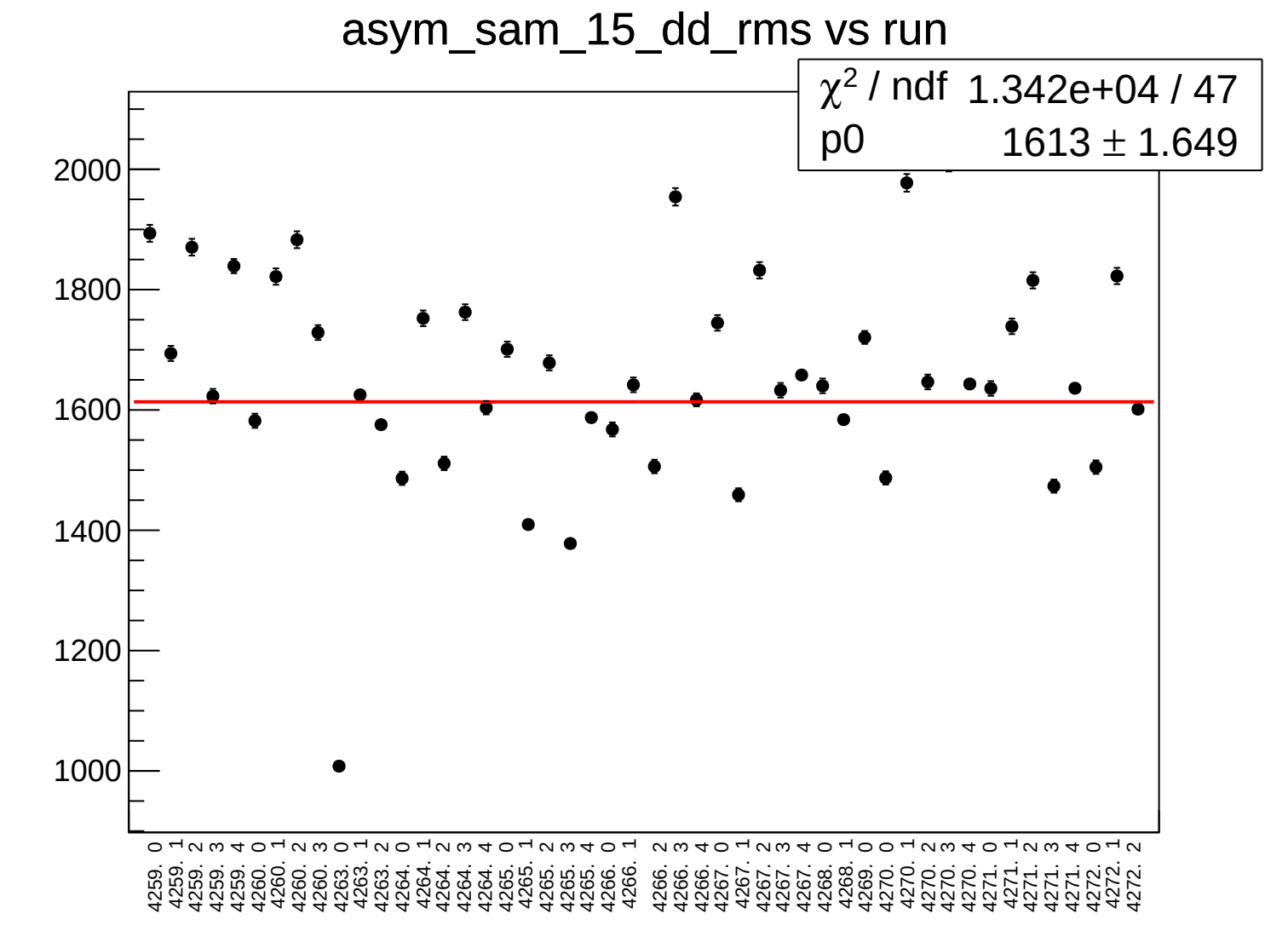

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3256 / 47
p0 525.8 ± 0.5347
750
700
650
600
550
500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

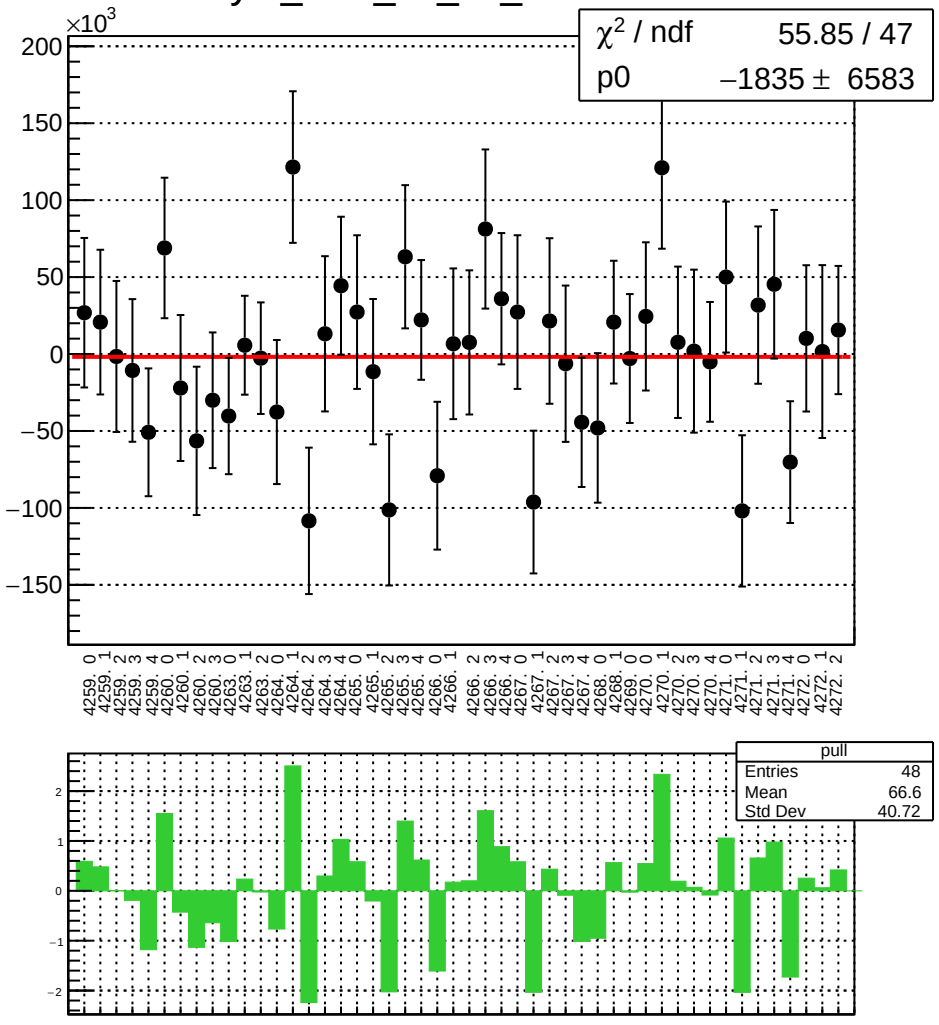

asym_sam_48_avg_correction_mean vs run
χ² / ndf 57.85 / 47
p0 −439.2 ± 2351
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 3900
Std Dev 3880
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.0009432
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

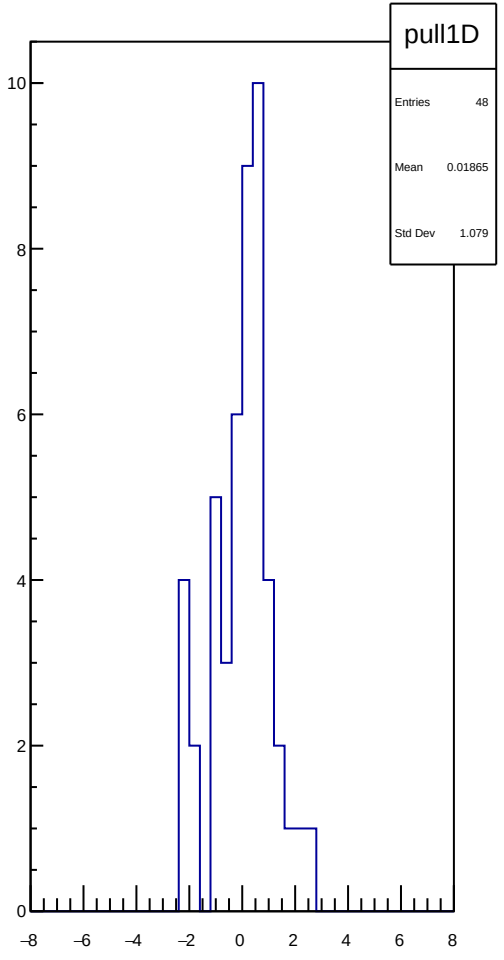

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2520 / 47
p0 1636 ± 1.663
1900
1850
1800
1750
1700
1650
1600
1550
1500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

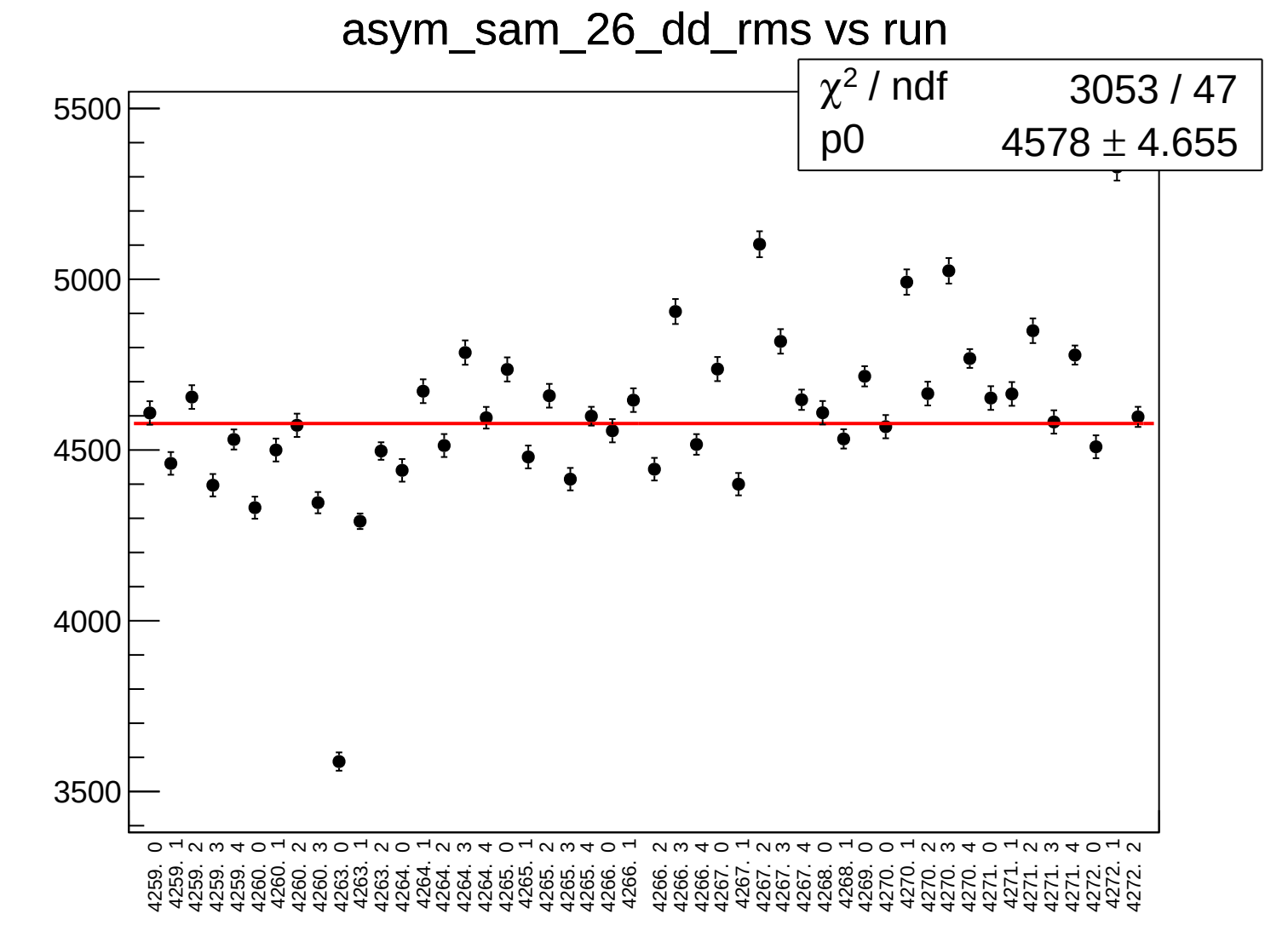

asym_sam_15_dd_mean vs run
χ² / ndf 46.2 / 47
p0 62.11 ± 2333
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −86.43
Std Dev 106.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

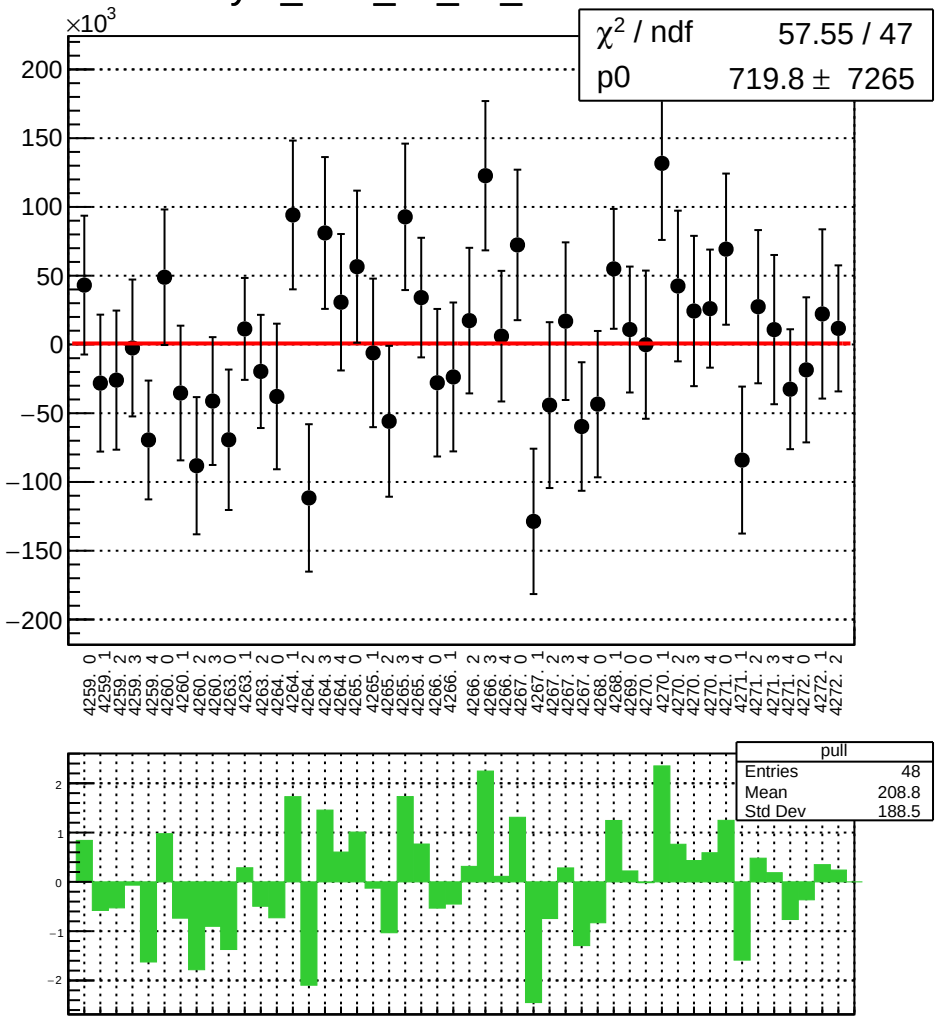

pull1D
Entries 48
Mean 0.0296
Std Dev 0.9806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

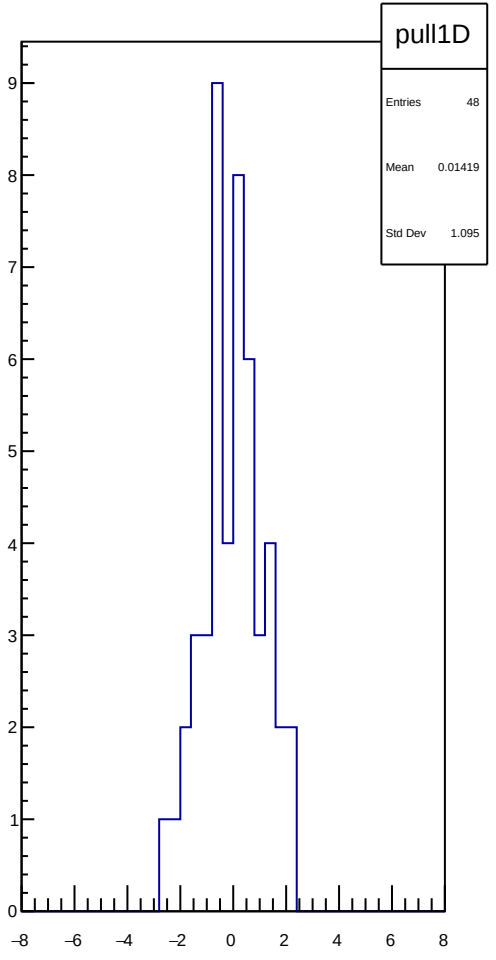

asym_sam_15_dd_rms vs run
χ^2 / ndf 1.342e+04 / 47
p0 1613 ± 1.649
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

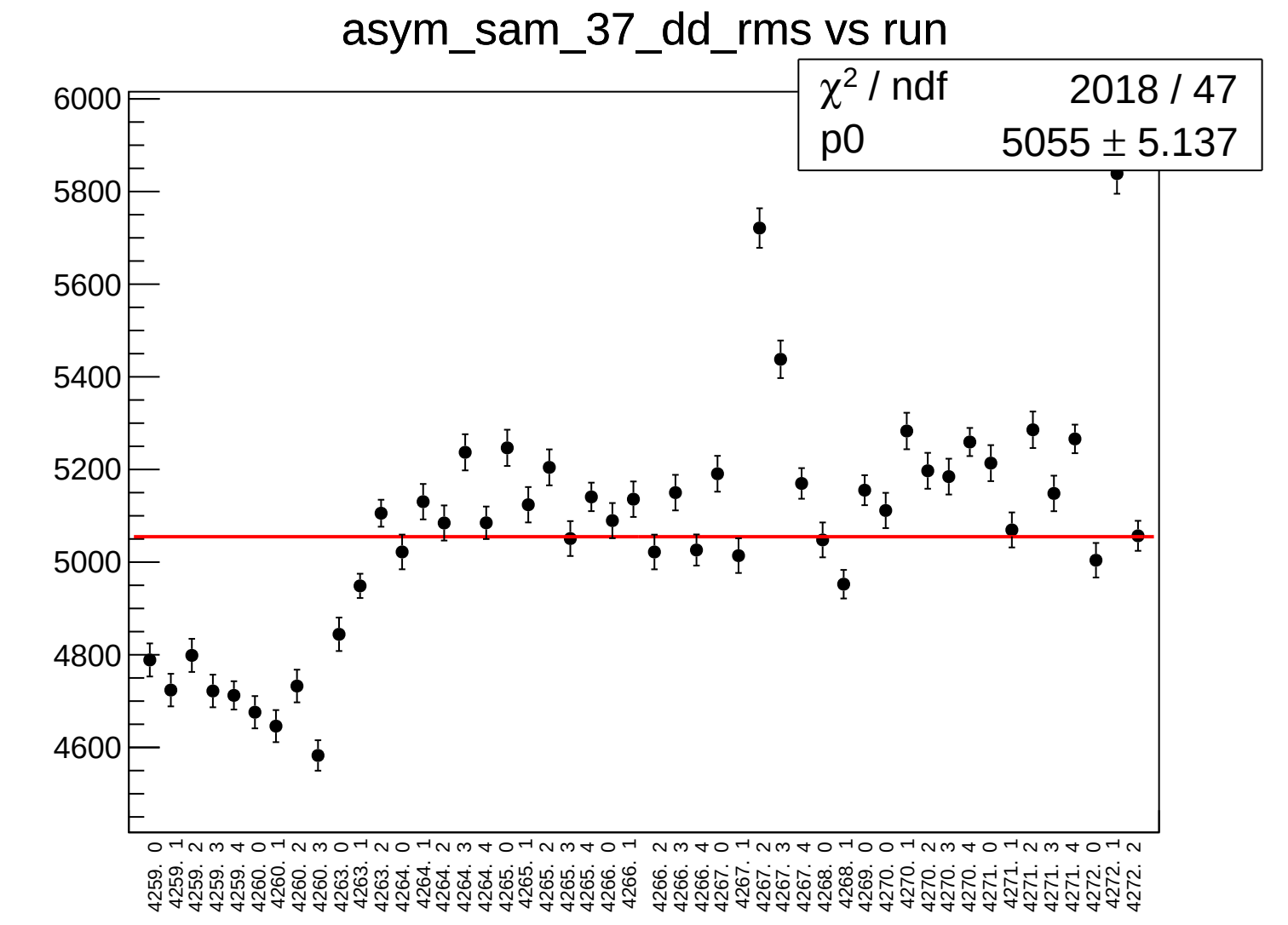

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 55.85 / 47
p0 −1835 ± 6583
pull
Entries 48
Mean 66.6
Std Dev 40.72

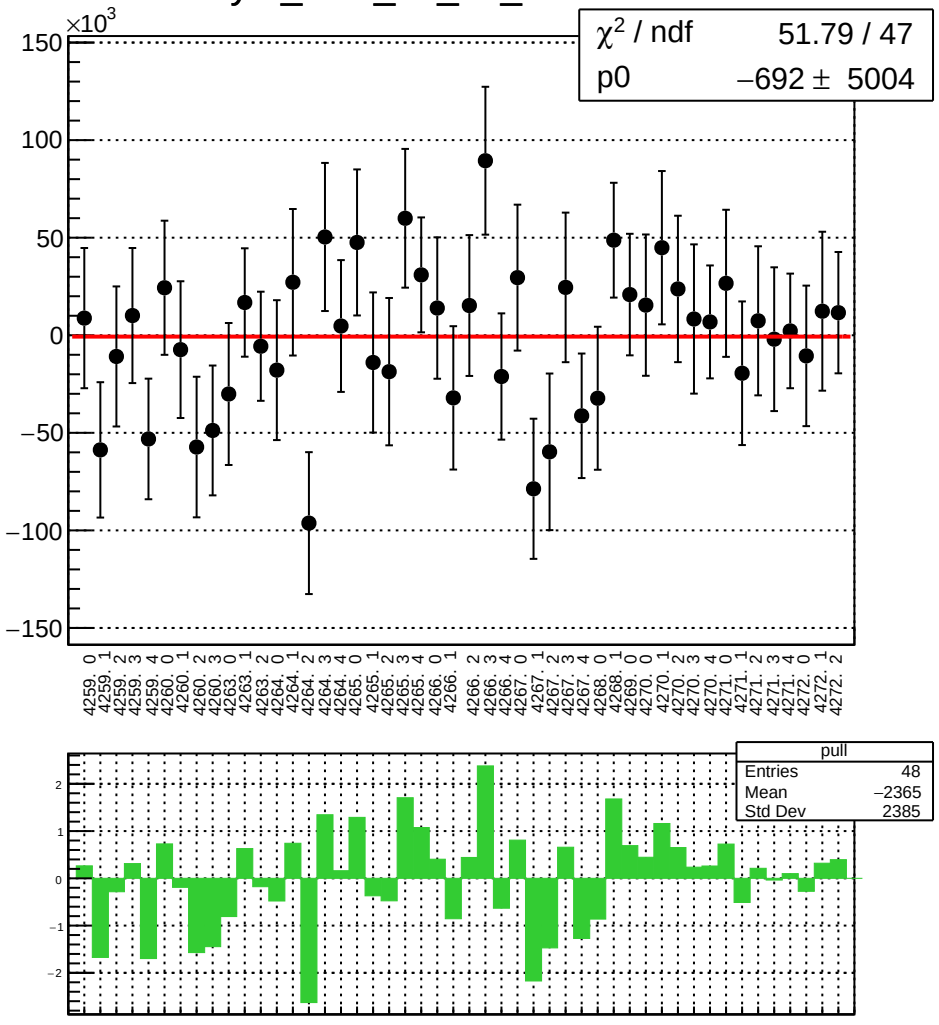

pull1D
Entries 48
Mean 0.01865
Std Dev 1.079

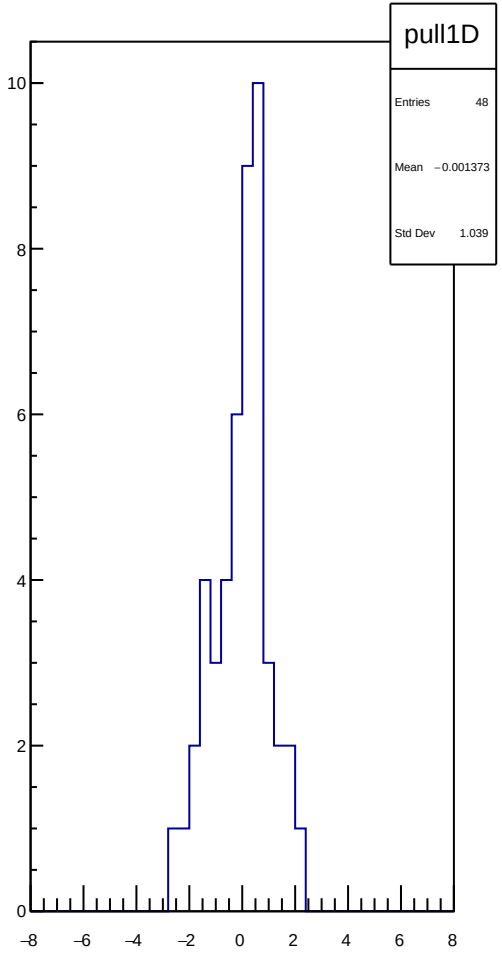

asym_sam_26_dd_rms vs run
χ² / ndf 3053 / 47
p0 4578 ± 4.655
5500
5000
4500
4000
3500
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

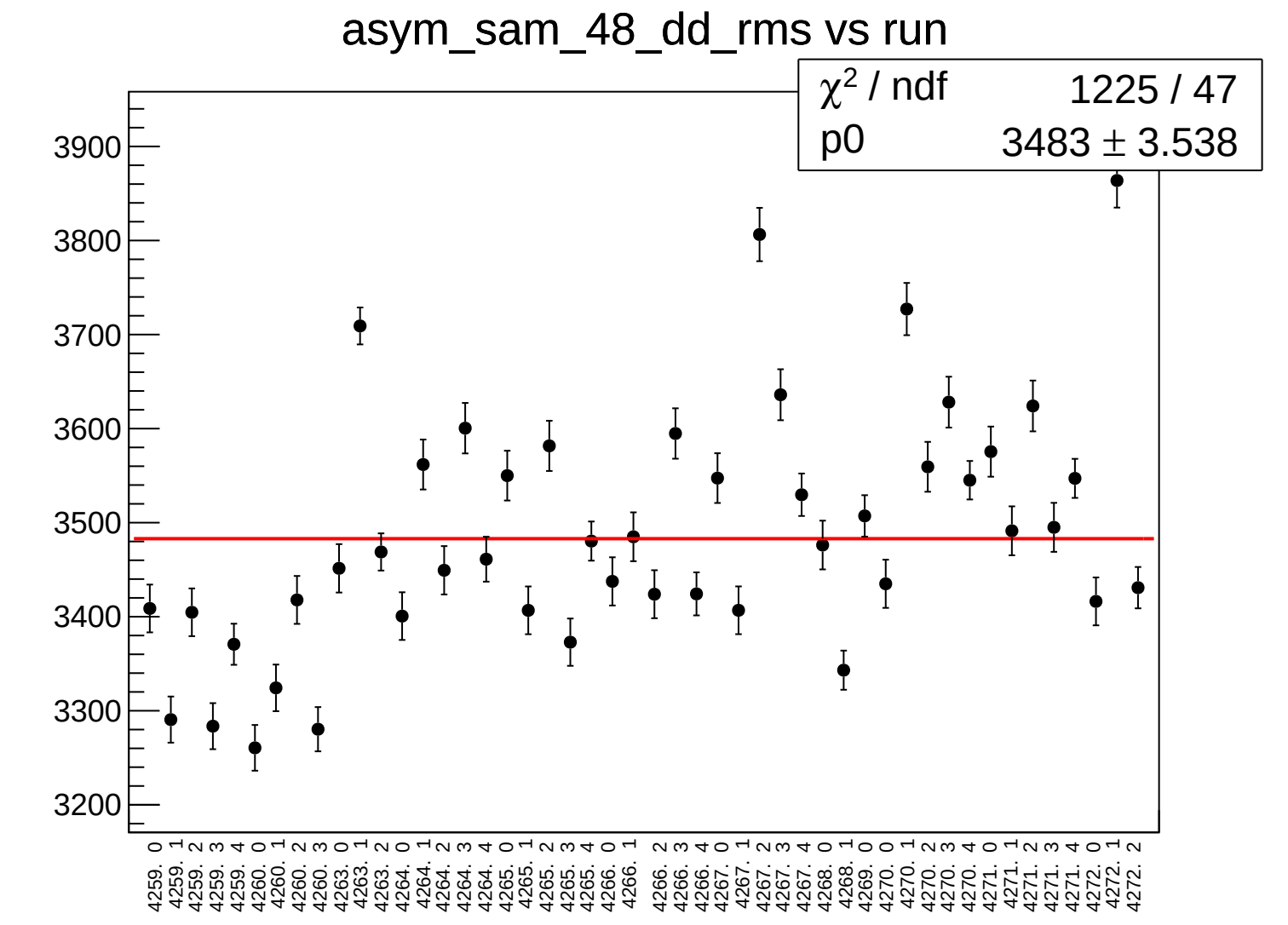

asym_sam_37_dd_mean vs run
×10^3
χ² / ndf 57.55 / 47
p0 719.8 ± 7265
pull
Entries 48
Mean 208.8
Std Dev 188.5

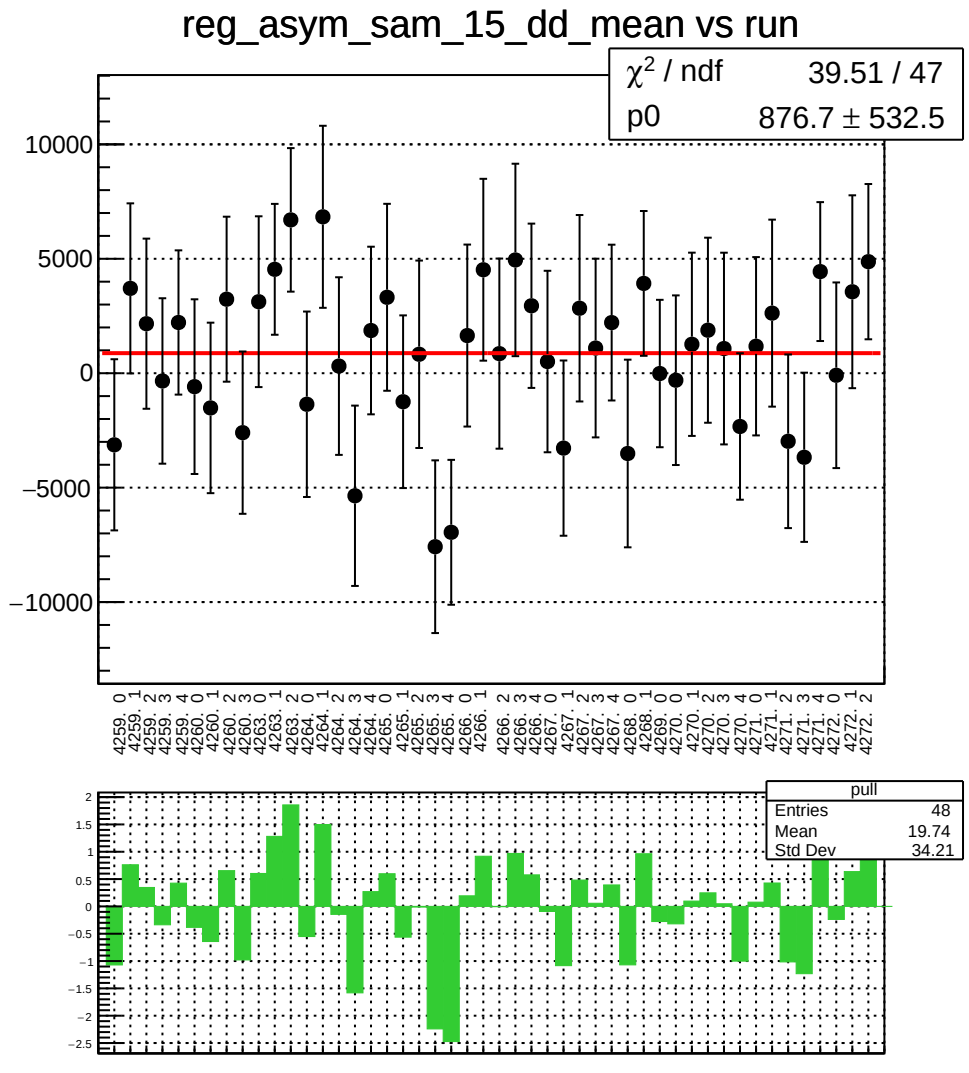

pull1D
Entries 48
Mean 0.01419
Std Dev 1.095

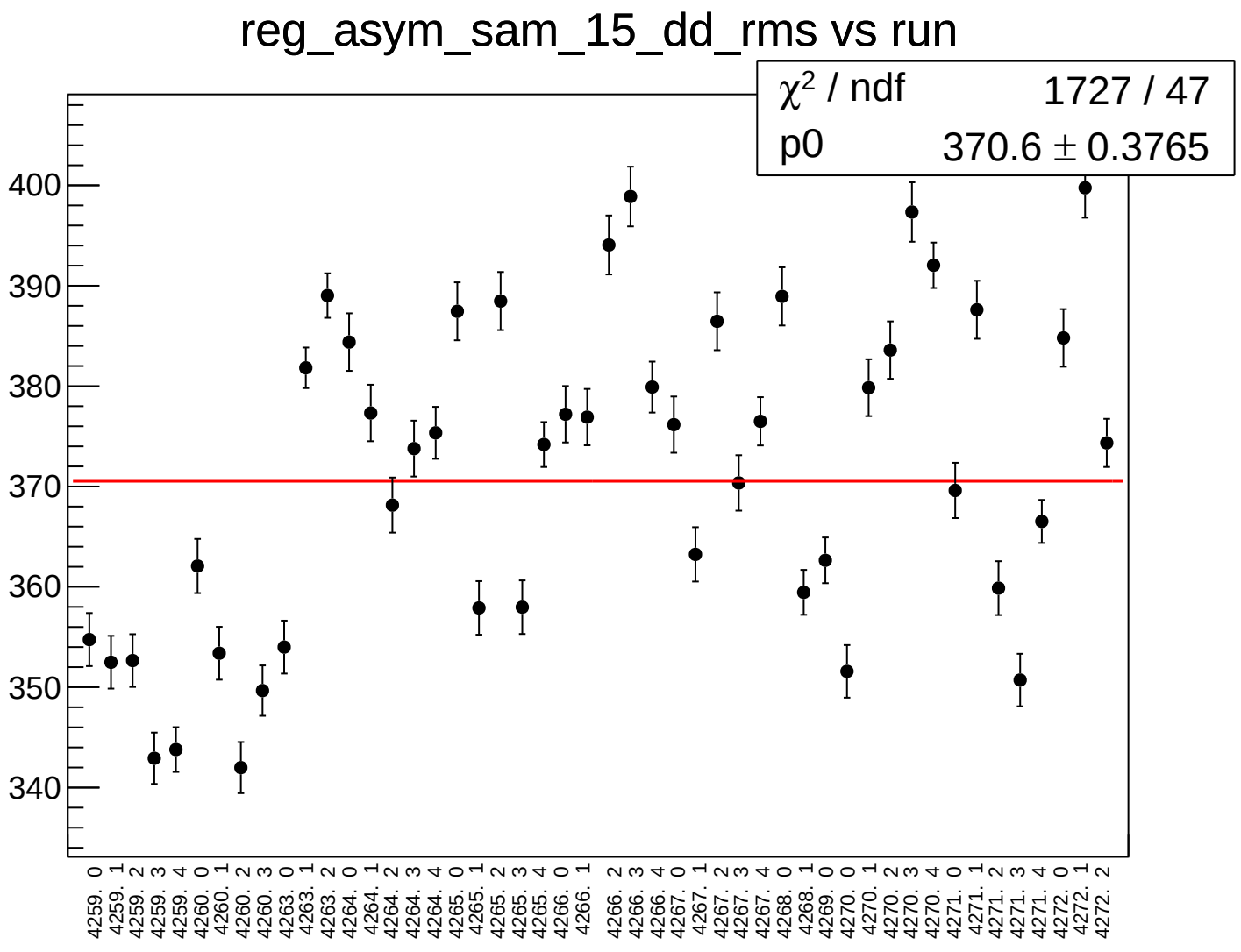

asym_sam_37_dd_rms vs run
χ² / ndf 2018 / 47
p0 5055 ± 5.137
6000
5800
5600
5400
5200
5000
4800
4600
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

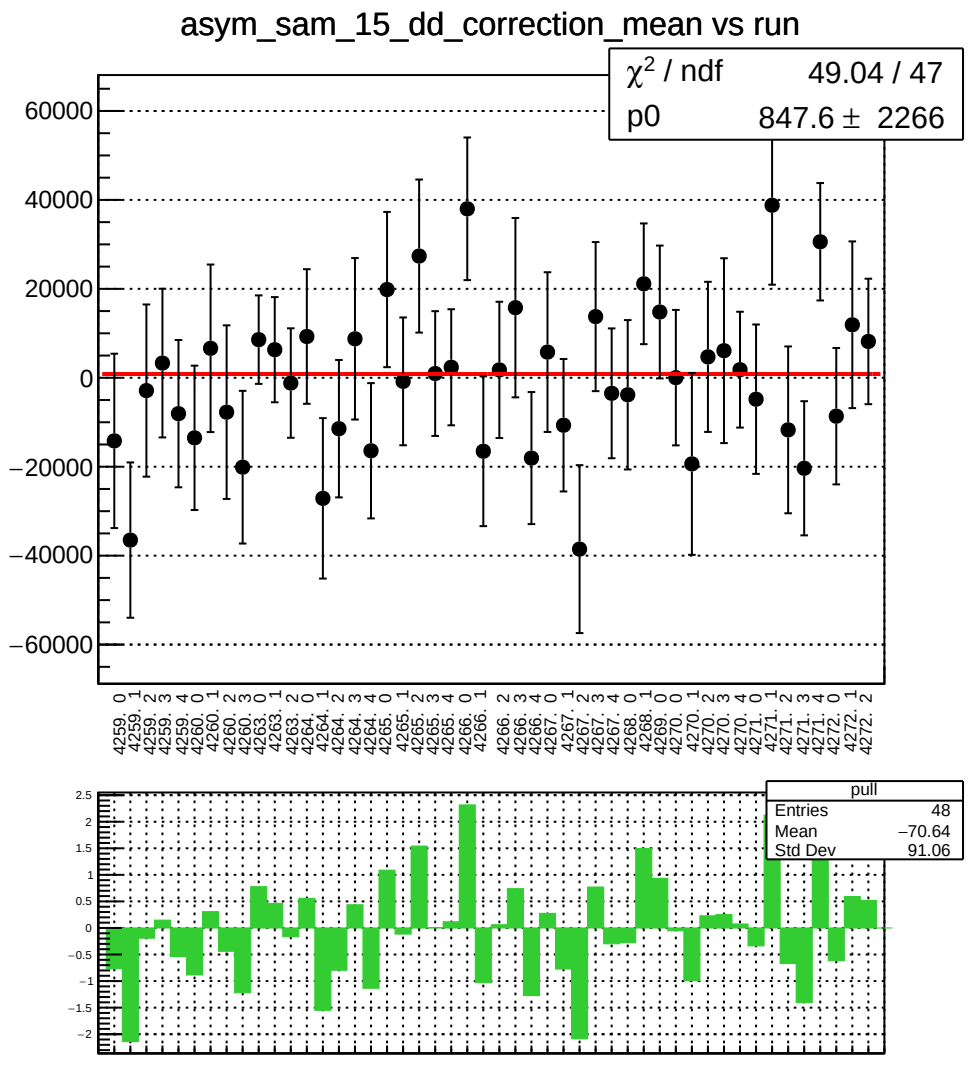

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 51.79 / 47
p0 −692 ± 5004
150
100
50
0
−50
−100
−150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −2365
Std Dev 2385
2
1
0
−1
−2

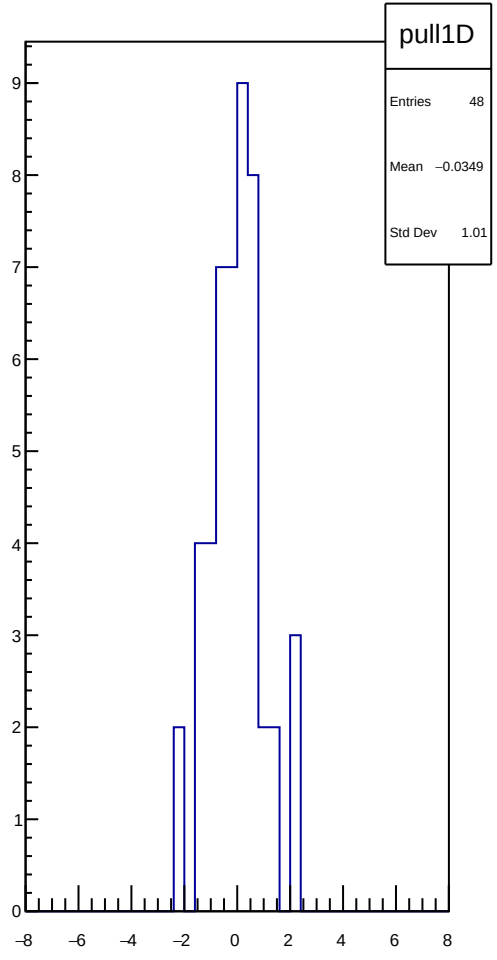

pull1D
Entries 48
Mean −0.001373
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

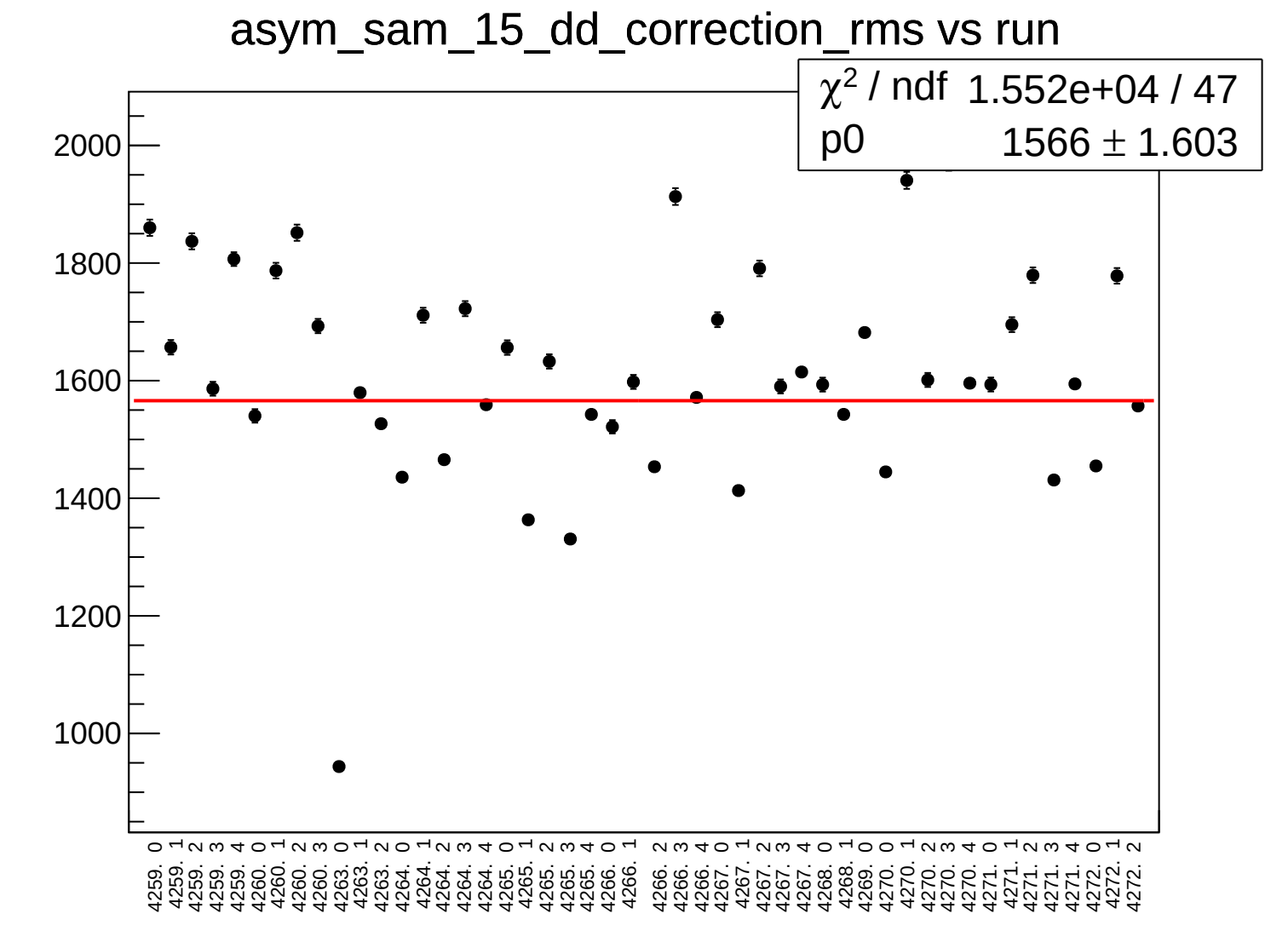

asym_sam_48_dd_rms vs run
χ² / ndf 1225 / 47
p0 3483 ± 3.538
3900
3800
3700
3600
3500
3400
3300
3200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

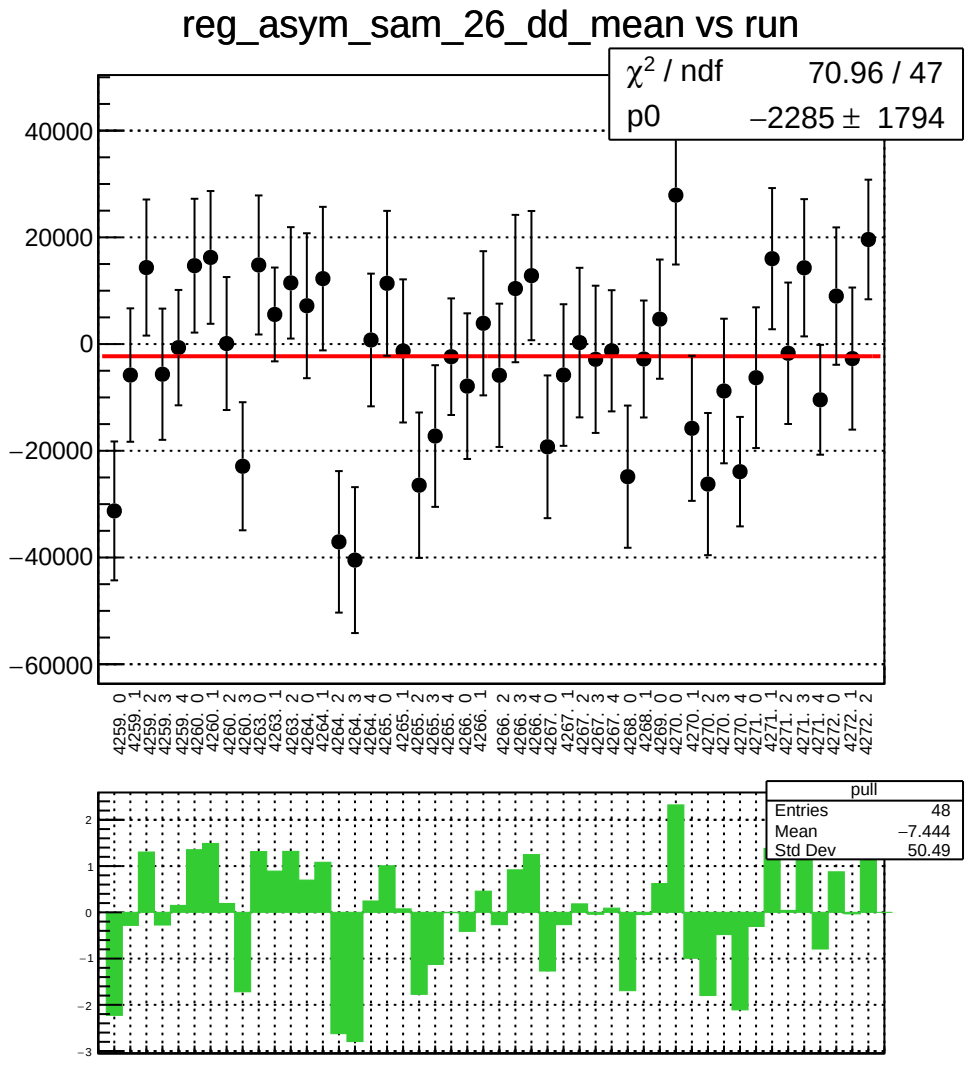

reg_asym_sam_15_dd_mean vs run
χ² / ndf 39.51 / 47
p0 876.7 ± 532.5
10000
5000
0
−5000
−10000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 19.74
Std Dev 34.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 48
Mean −0.01207
Std Dev 0.9072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

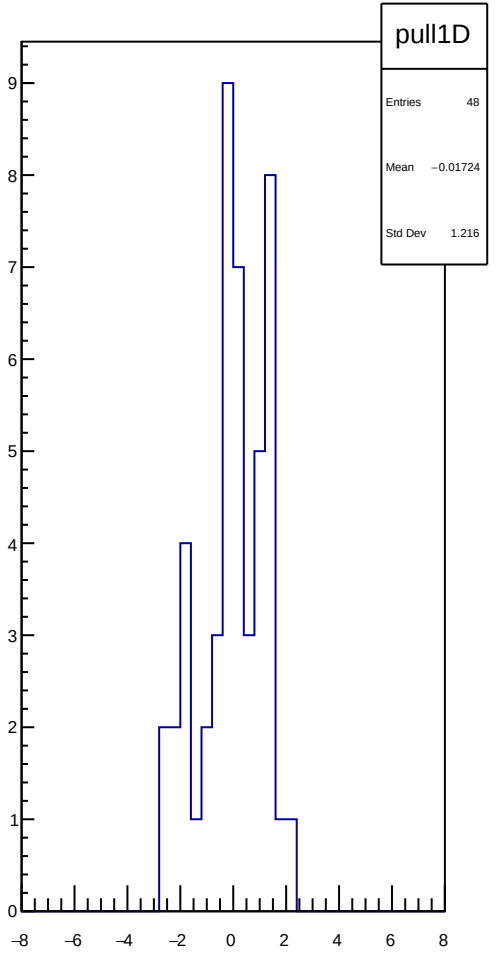

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1727 / 47
p0 370.6 ± 0.3765
400
390
380
370
360
350
340
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

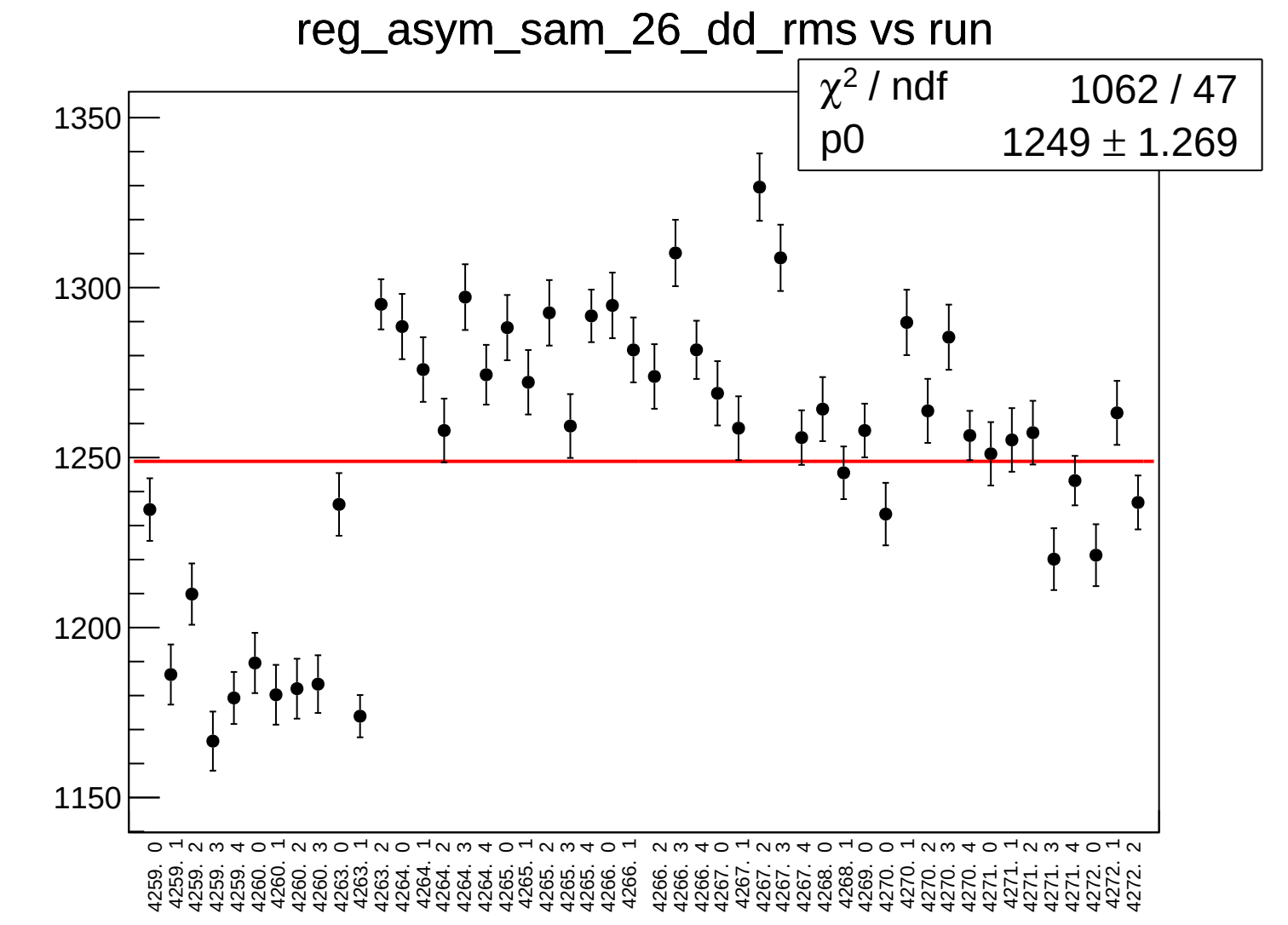

asym_sam_15_dd_correction_mean vs run
χ² / ndf 49.04 / 47
p0 847.6 ± 2266
60000
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −70.64
Std Dev 91.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

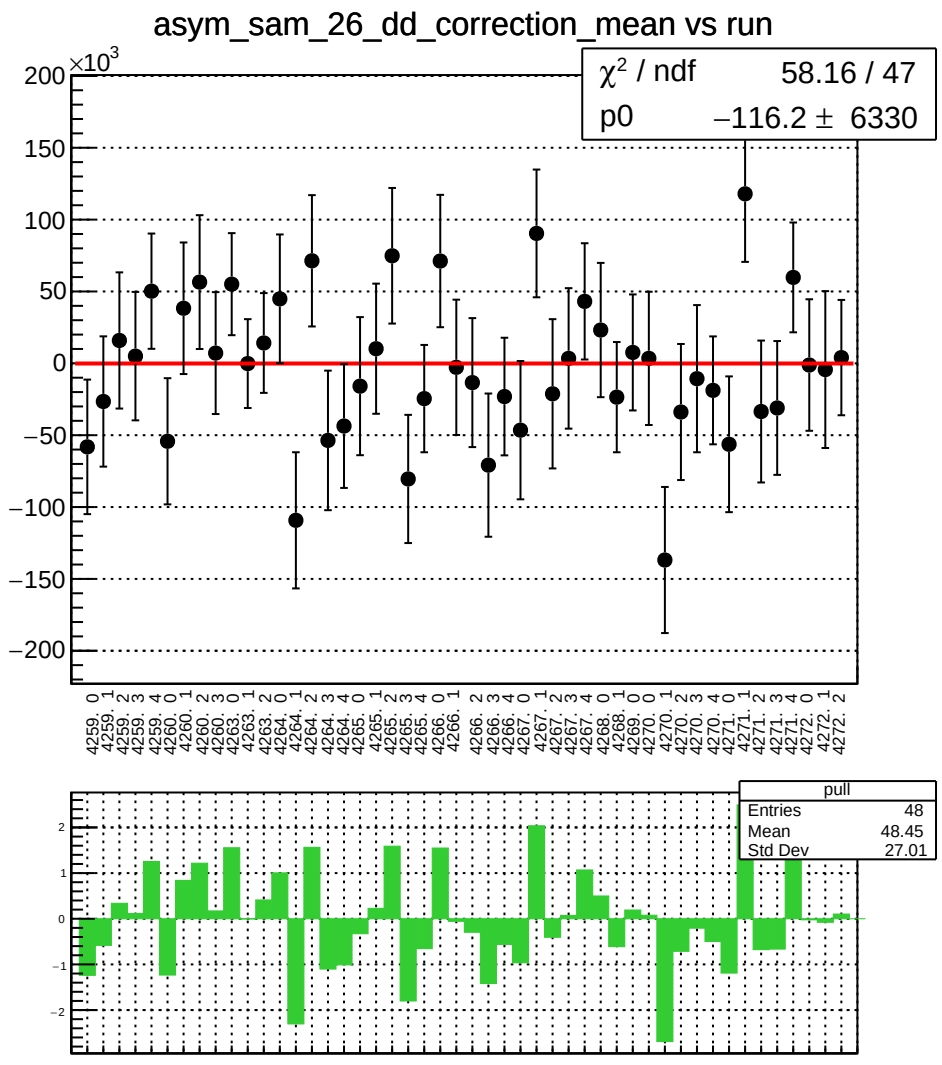

pull1D
Entries 48
Mean −0.0349
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

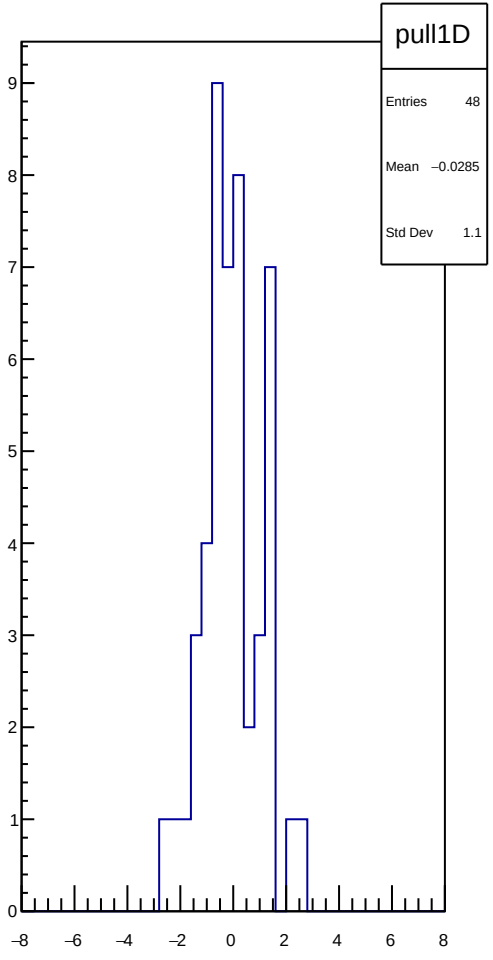

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.552e+04 / 47
p0 1566 ± 1.603
2000
1800
1600
1400
1200
1000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

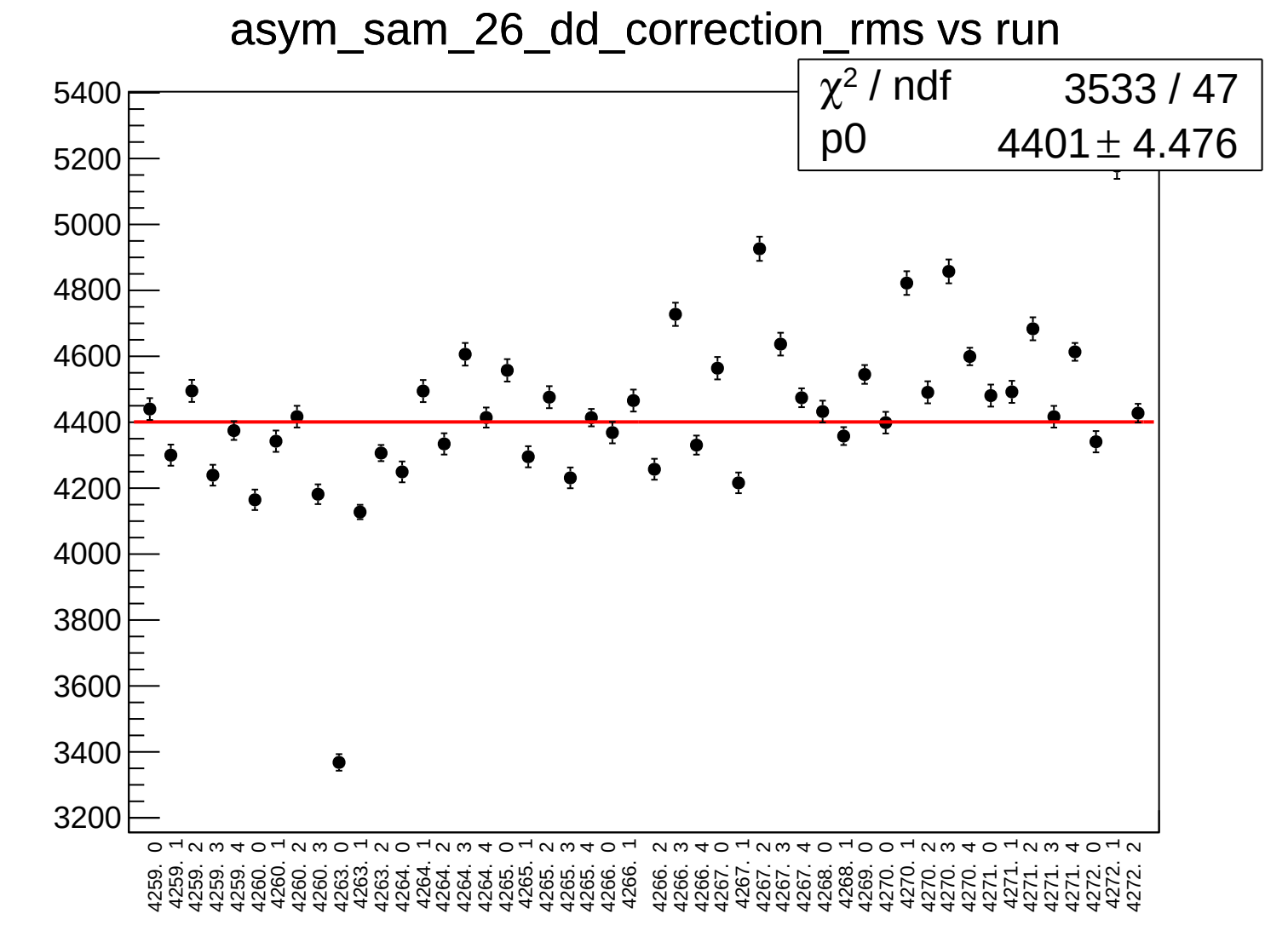

reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 70.96 / 47
p0 −2285 ± 1794
40000
20000
0
−20000
−40000
−60000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −7.444
Std Dev 50.49
2
1
0
−1
−2
−3

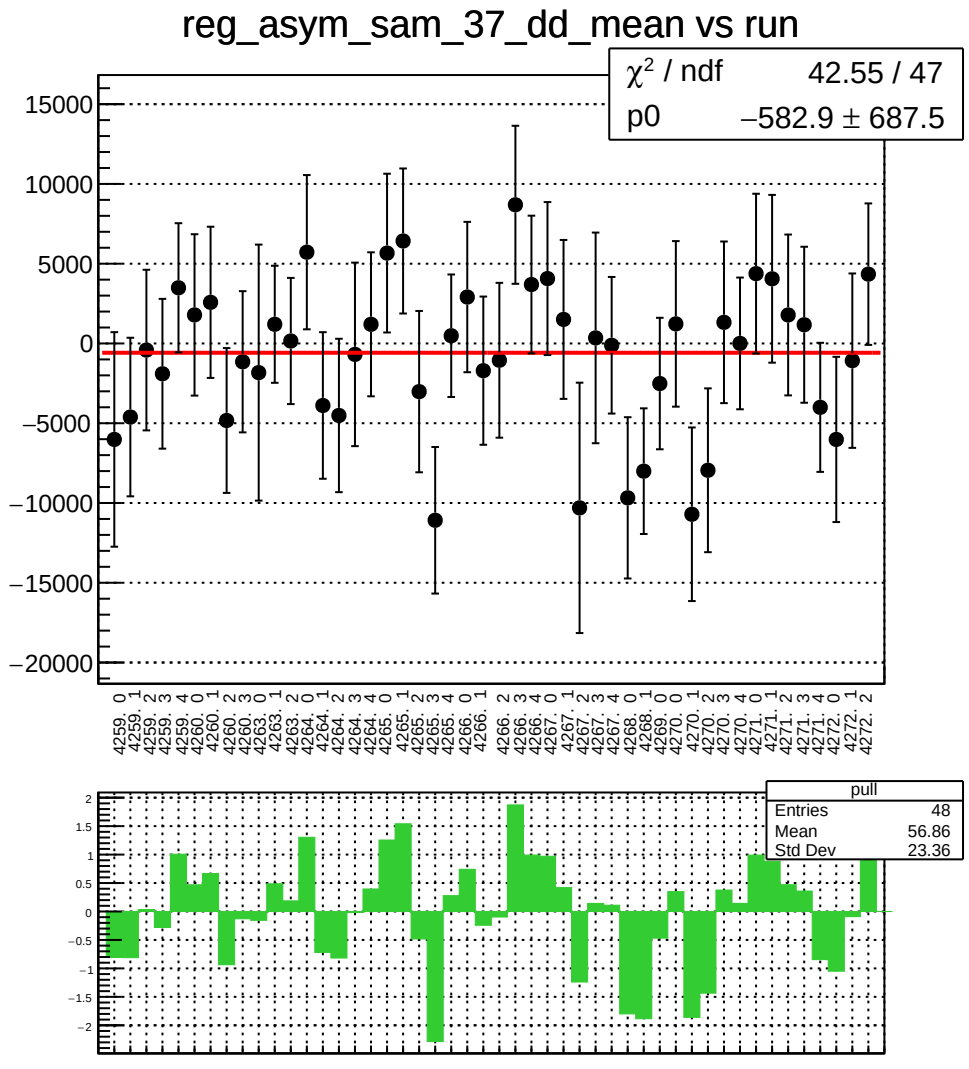

pull1D
Entries 48
Mean −0.01724
Std Dev 1.216
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

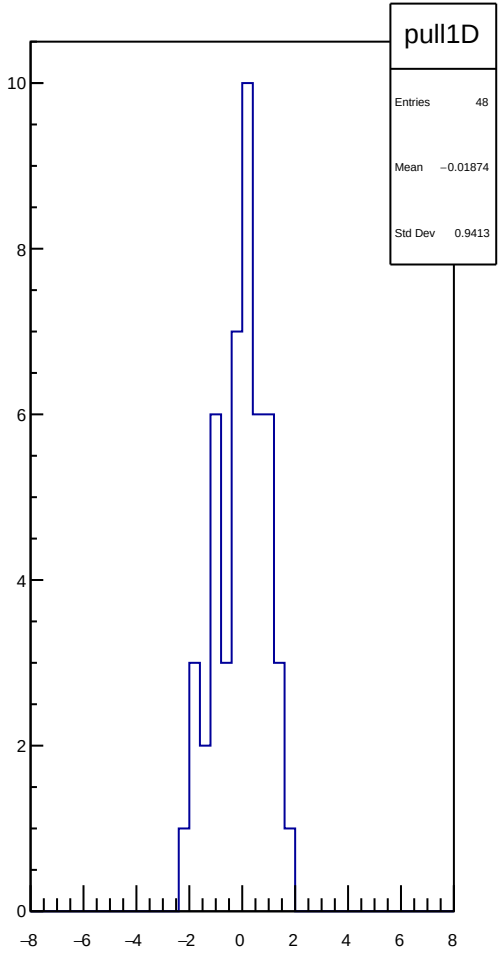

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1062 / 47
p0 1249 ± 1.269
1350
1300
1250
1200
1150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

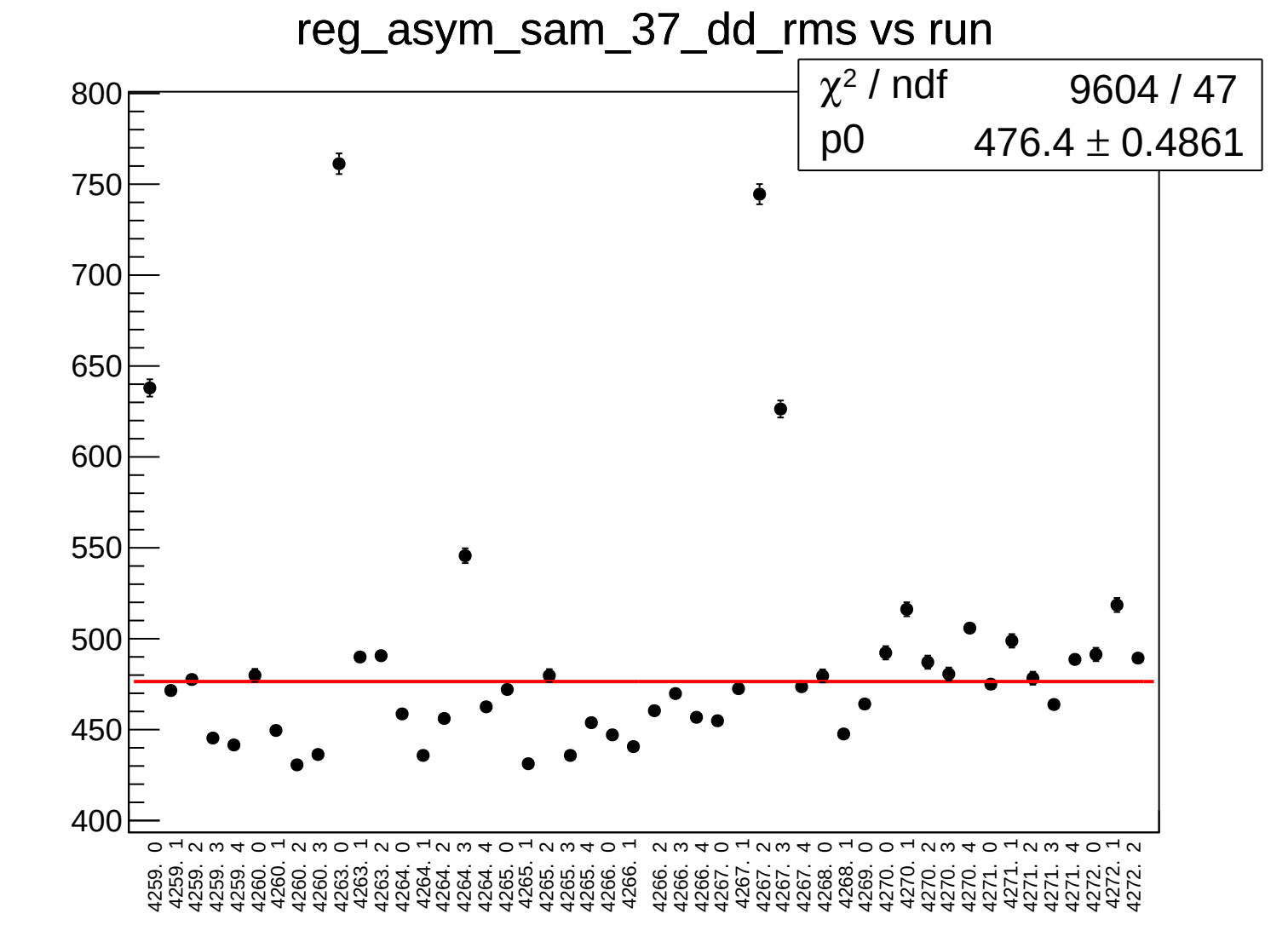

asym_sam_26_dd_correction_mean vs run
χ² / ndf 58.16 / 47
p0 −116.2 ± 6330
×10³
pull
Entries 48
Mean 48.45
Std Dev 27.01

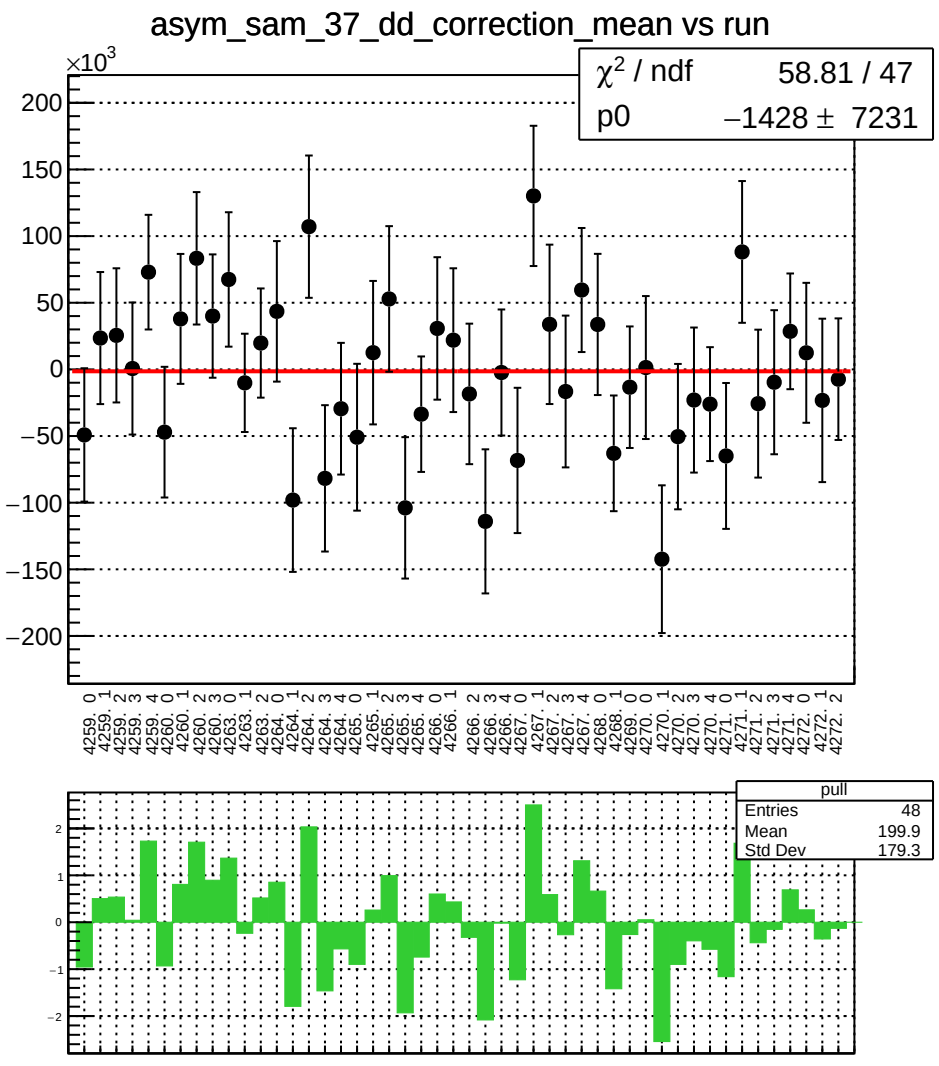

pull1D
Entries 48
Mean −0.0285
Std Dev 1.1

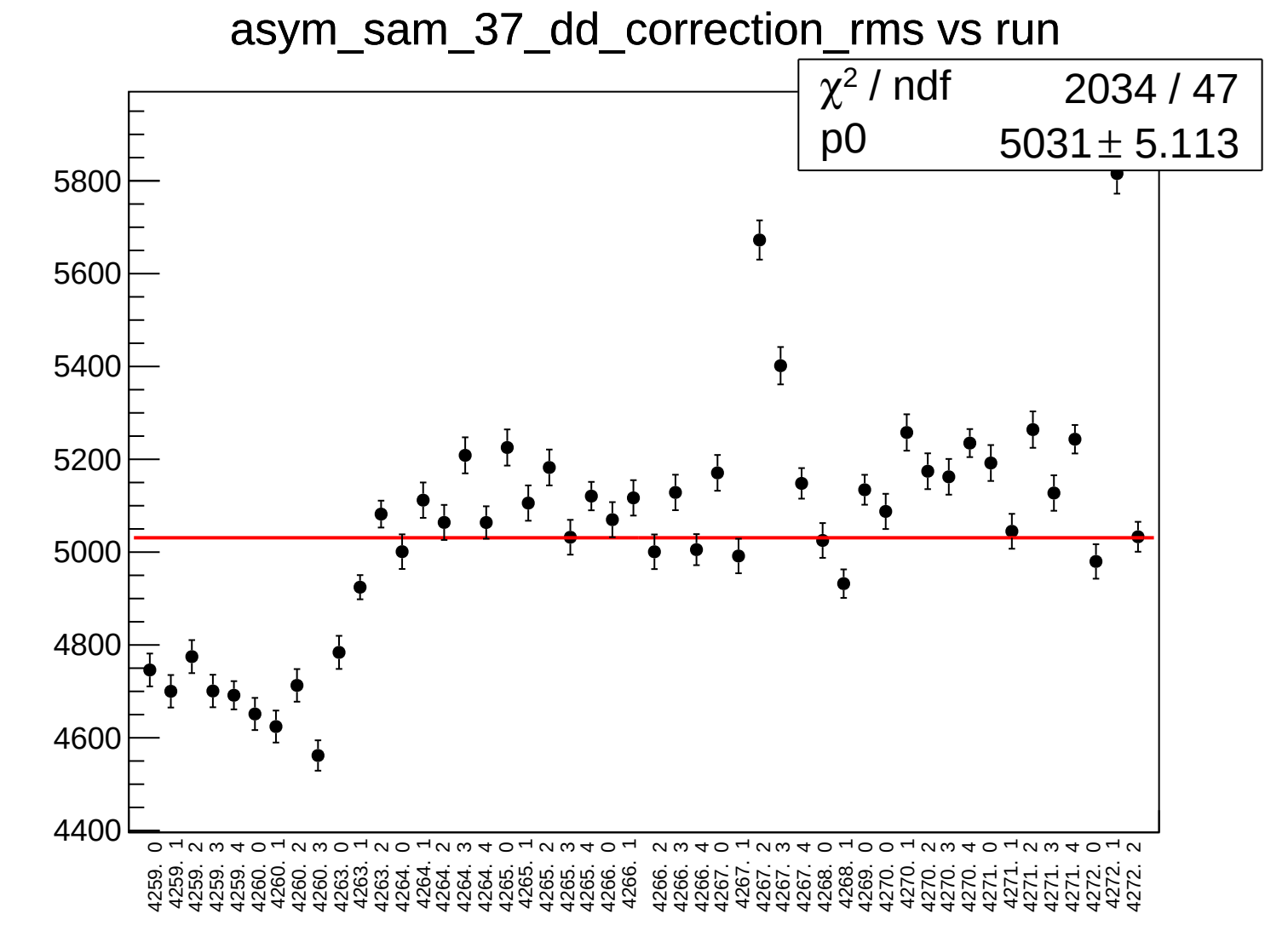

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3533 / 47
p0 4401 ± 4.476
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

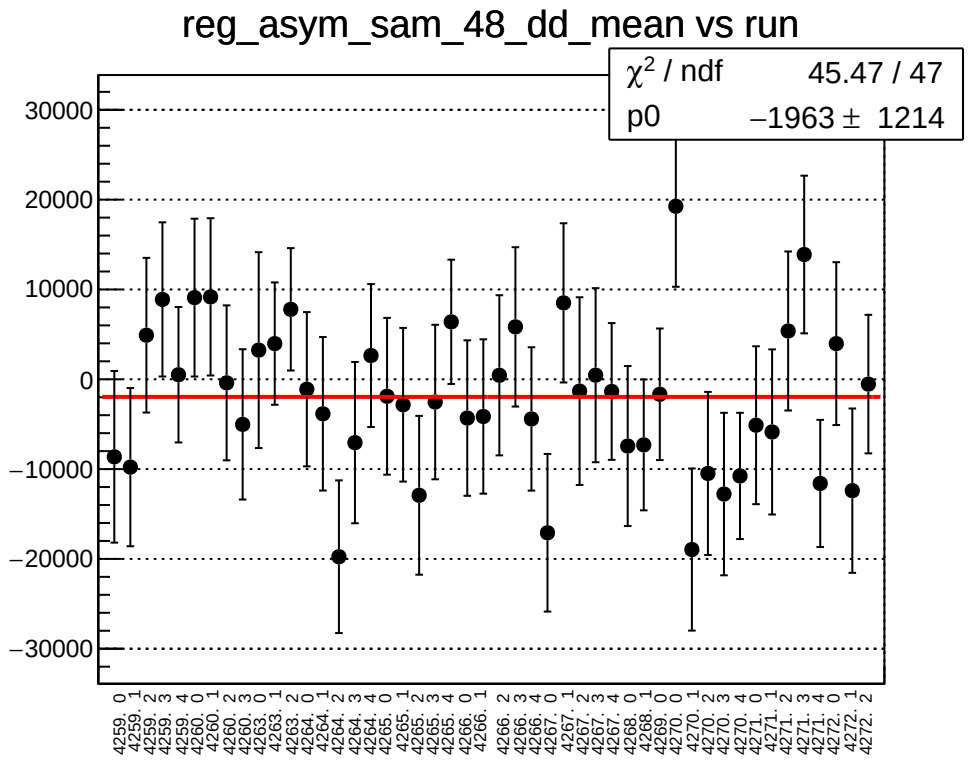

reg_asym_sam_37_dd_mean vs run
χ² / ndf 42.55 / 47
p0 −582.9 ± 687.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 56.86
Std Dev 23.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

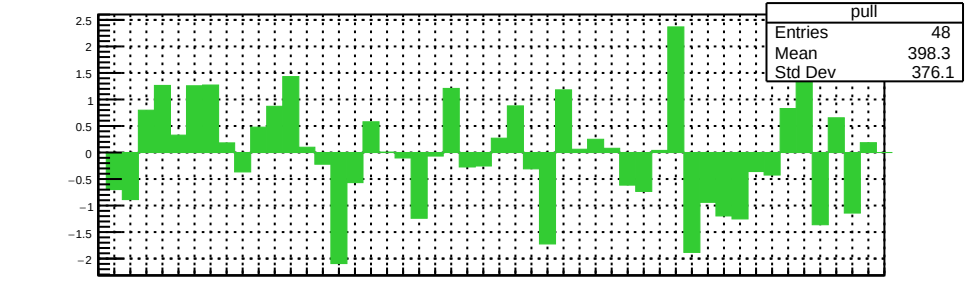

pull1D
Entries 48
Mean −0.01874
Std Dev 0.9413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

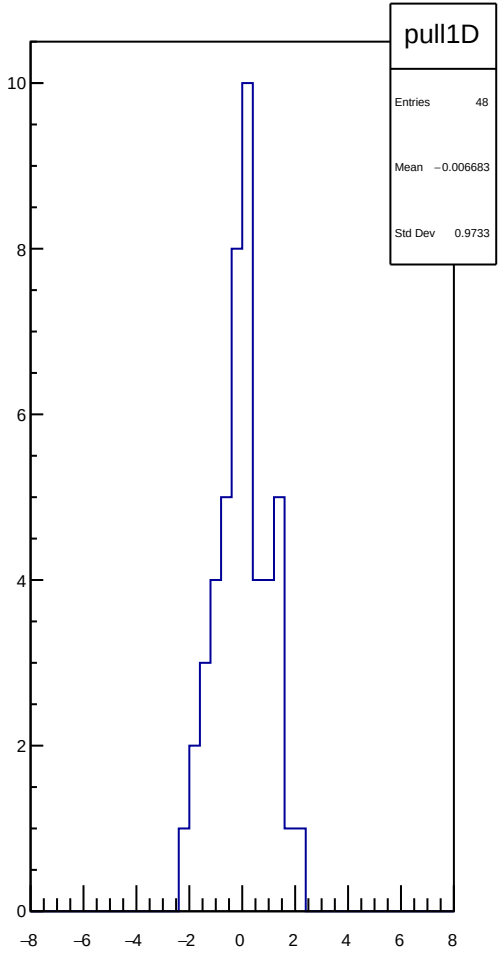

reg_asym_sam_37_dd_rms vs run
χ² / ndf 9604 / 47
p0 476.4 ± 0.4861
800
750
700
650
600
550
500
450
400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

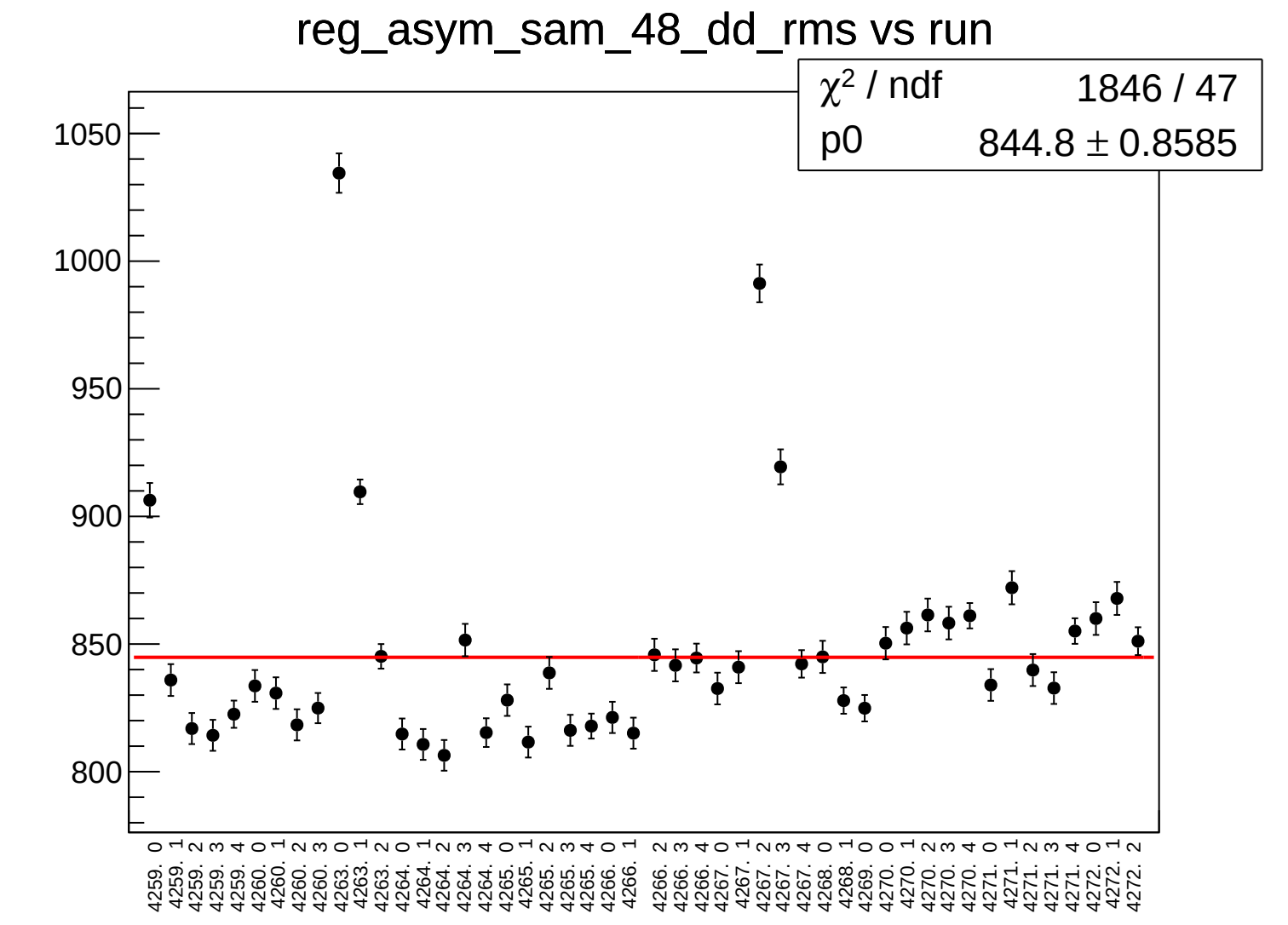

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 58.81 / 47
p0 −1428 ± 7231
200
150
100
50
0
−50
−100
−150
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 199.9
Std Dev 179.3
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.01525
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

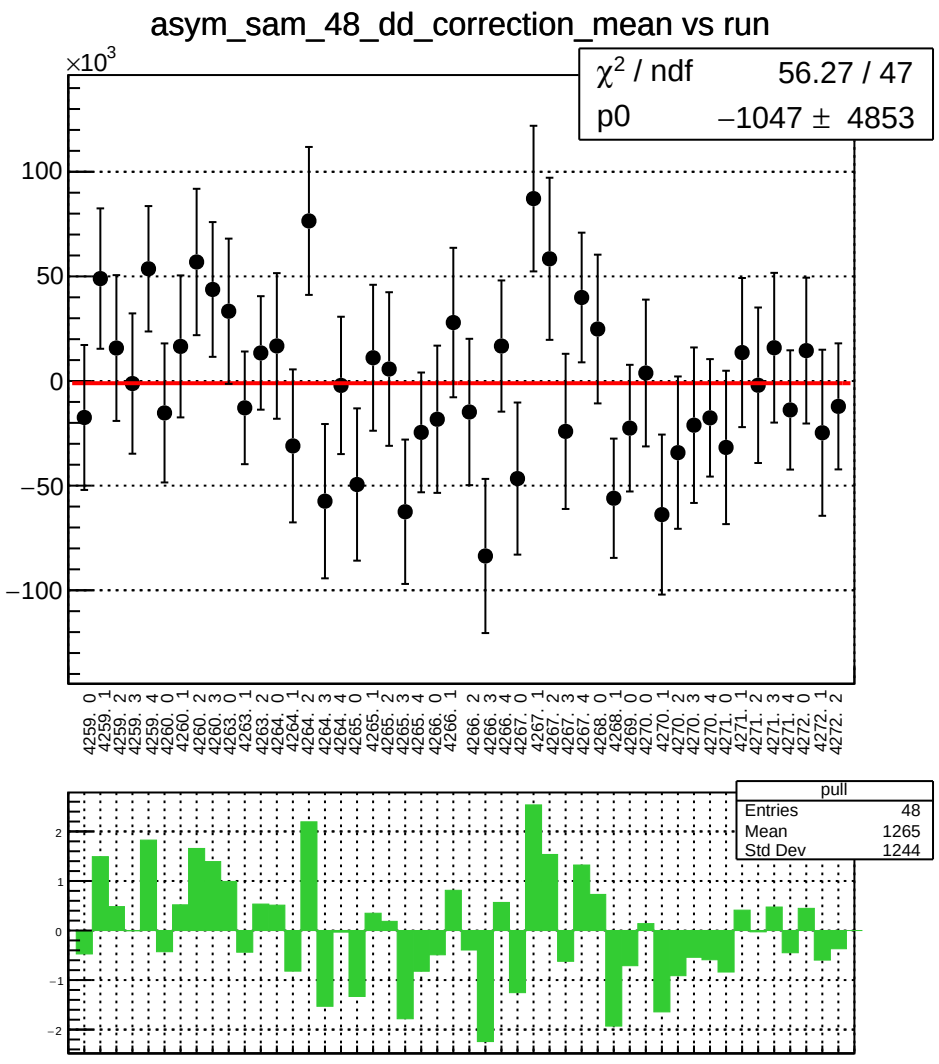

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2034 / 47
p0 5031 ± 5.113
5800
5600
5400
5200
5000
4800
4600
4400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

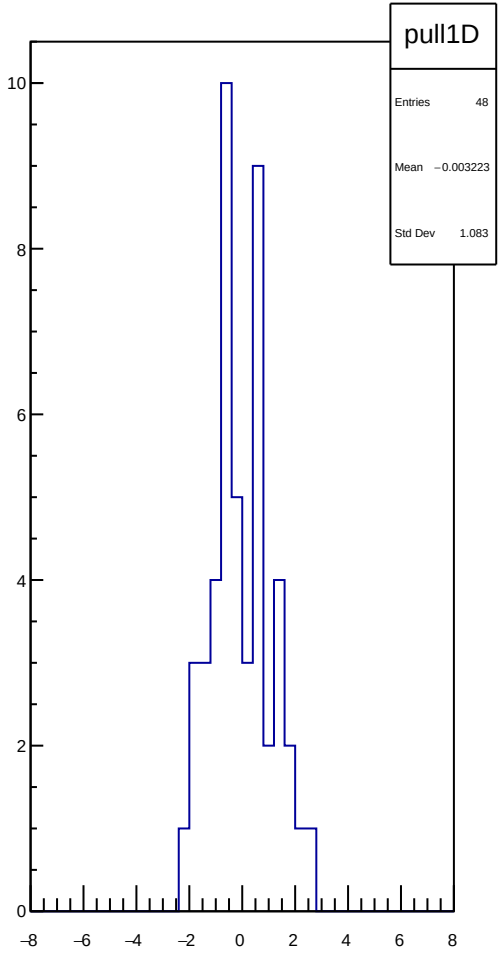

reg_asym_sam_48_dd_mean vs run
χ² / ndf 45.47 / 47
p0 −1963 ± 1214
30000
20000
10000
0
−10000
−20000
−30000
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

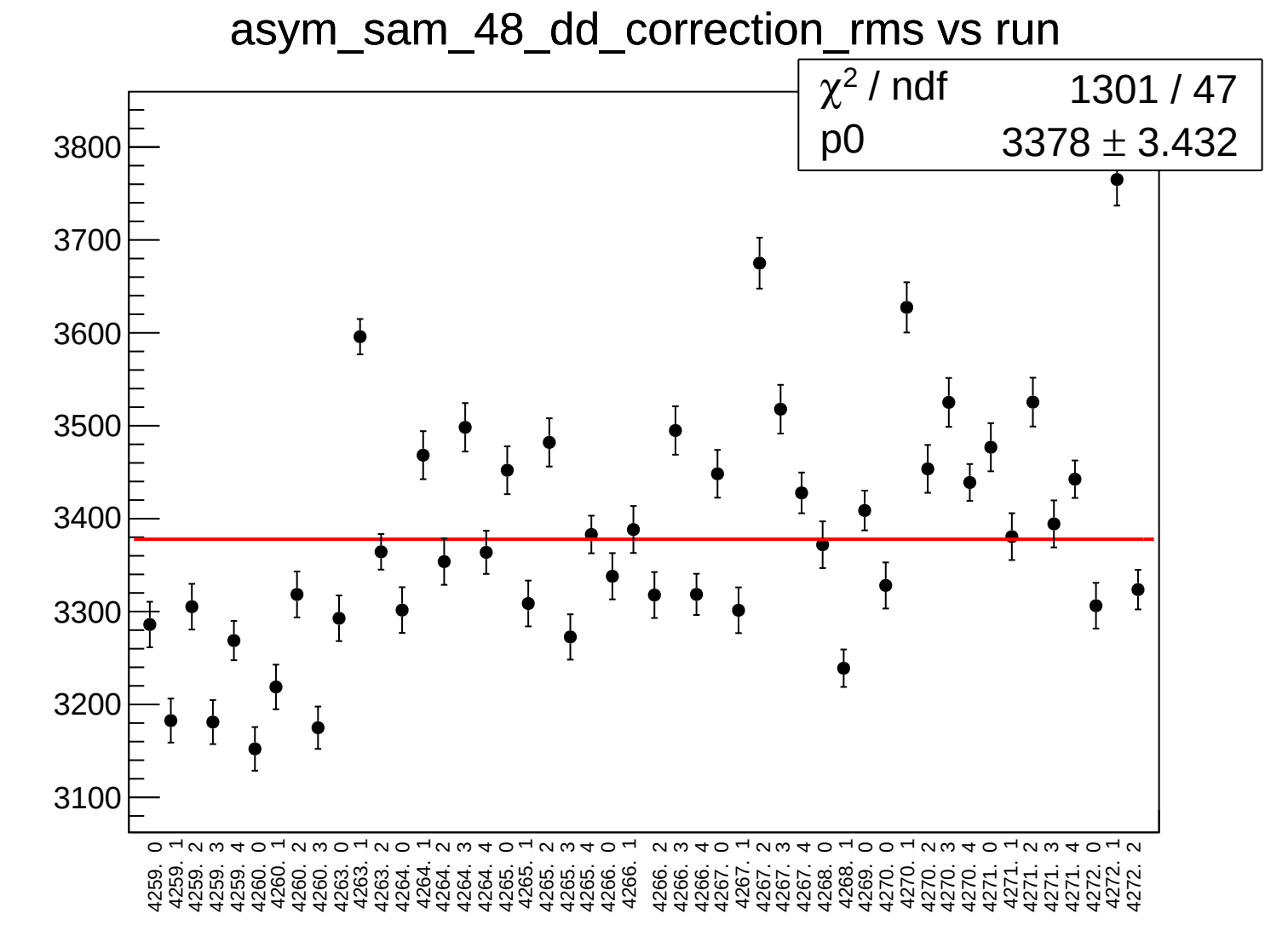

pull
Entries 48
Mean 398.3
Std Dev 376.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

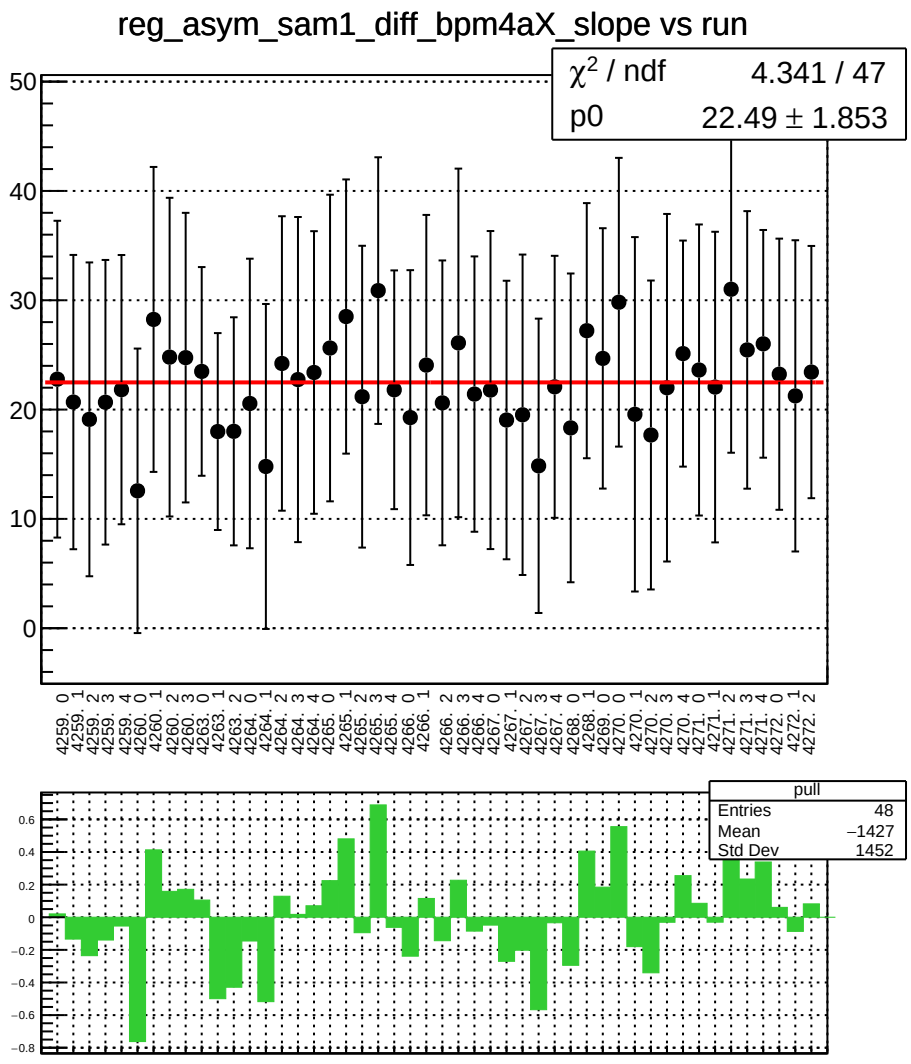

pull1D
Entries 48
Mean −0.006683
Std Dev 0.9733
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

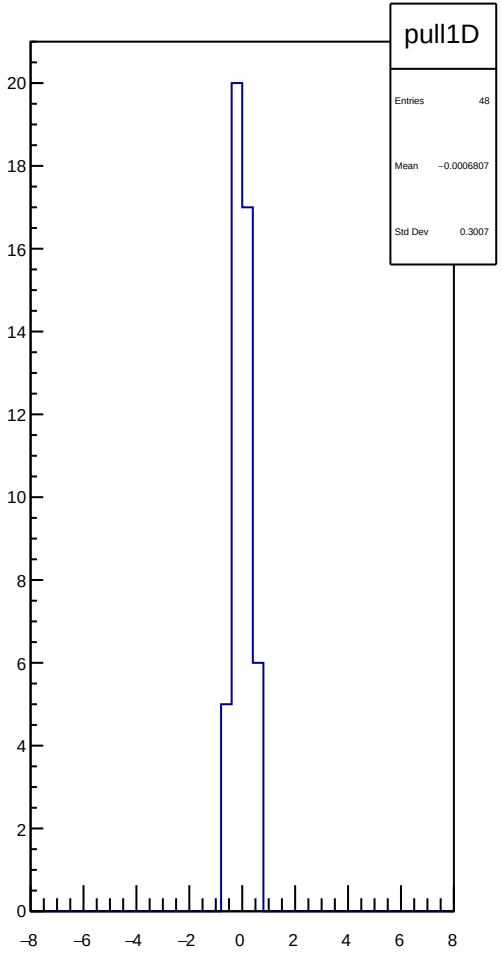

reg_asym_sam_48_dd_rms vs run
χ² / ndf 1846 / 47
p0 844.8 ± 0.8585
1050
1000
950
900
850
800
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

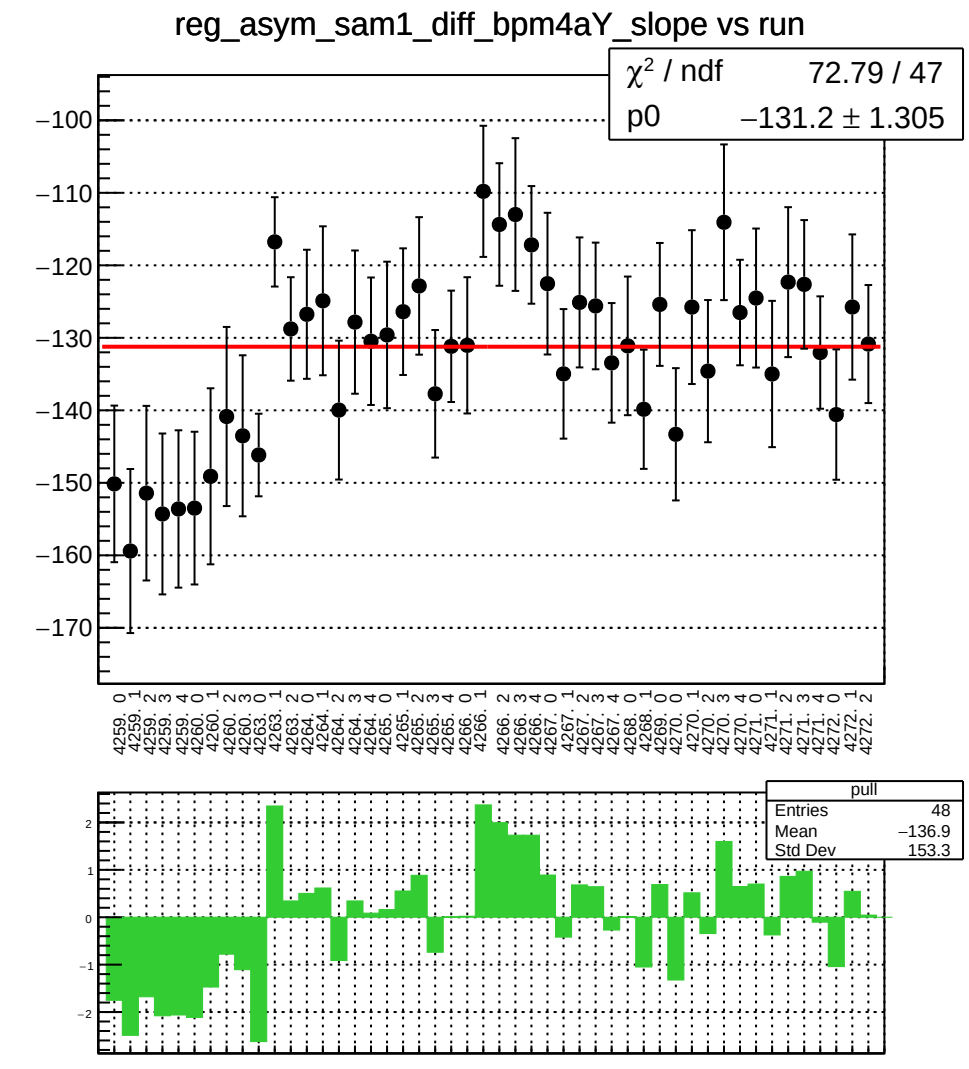

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 56.27 / 47
p0 −1047 ± 4853
100
50
0
−50
−100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1265
Std Dev 1244
2
1
0
−1
−2

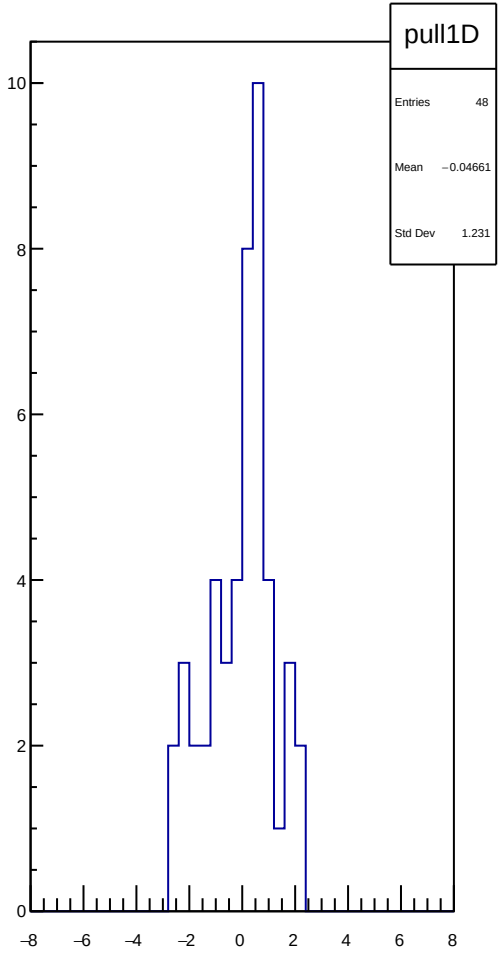

pull1D
Entries 48
Mean −0.003223
Std Dev 1.083
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

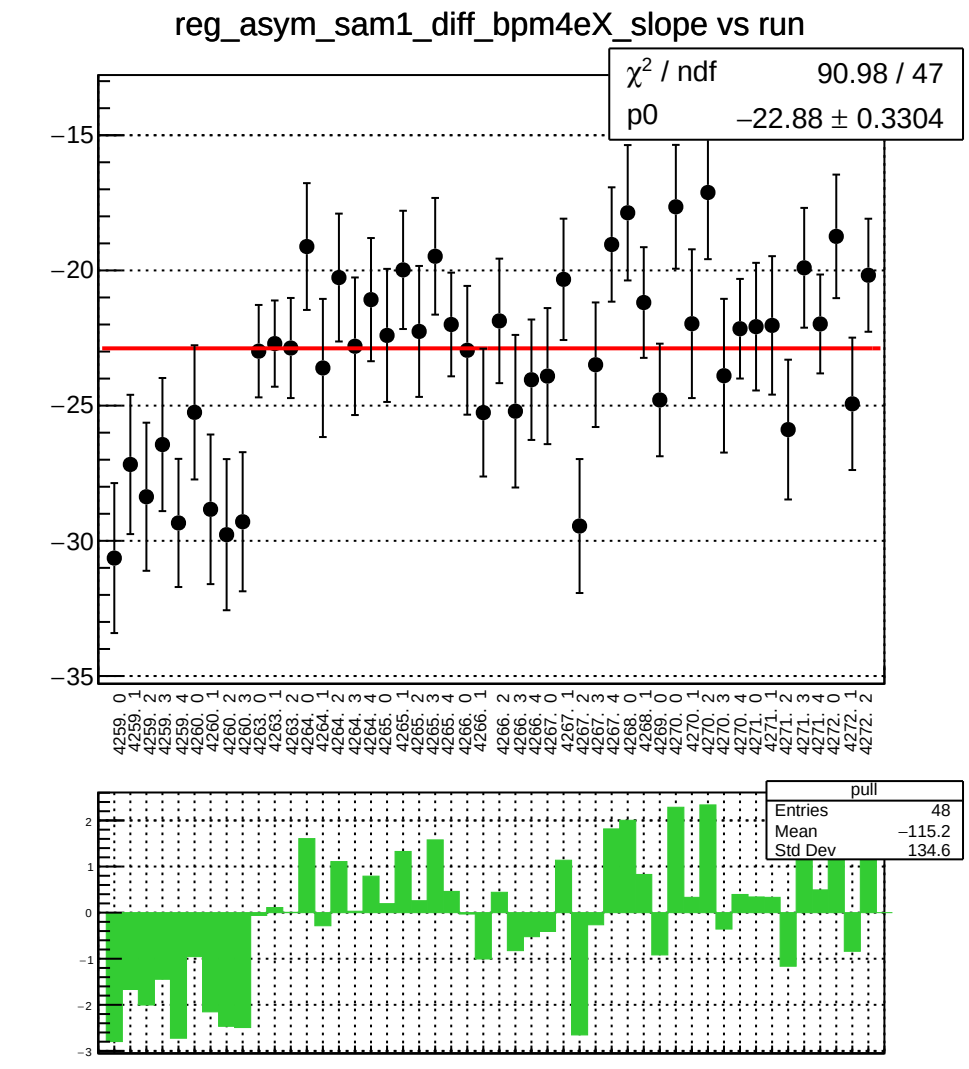

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1301 / 47
p0 3378 ± 3.432
3800
3700
3600
3500
3400
3300
3200
3100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2

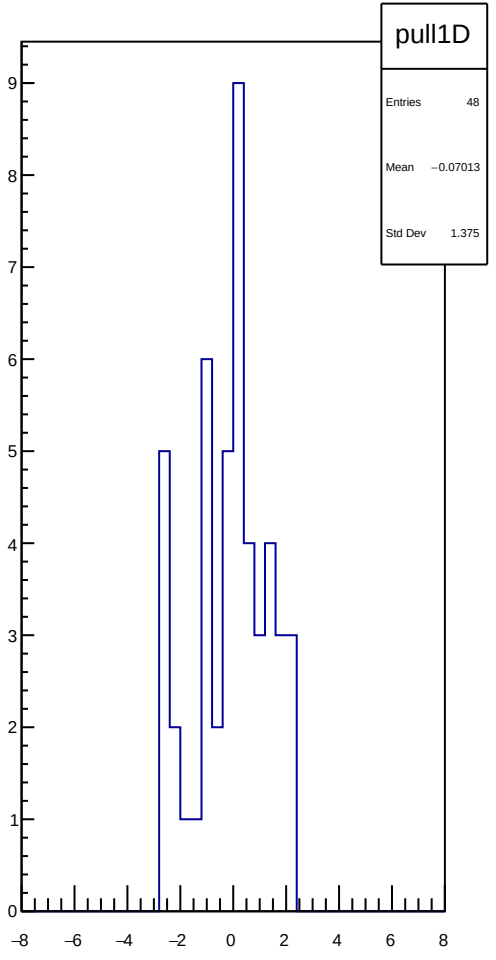

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 4.341 / 47
p0 22.49 ± 1.853
pull
Entries 48
Mean −1427
Std Dev 1452

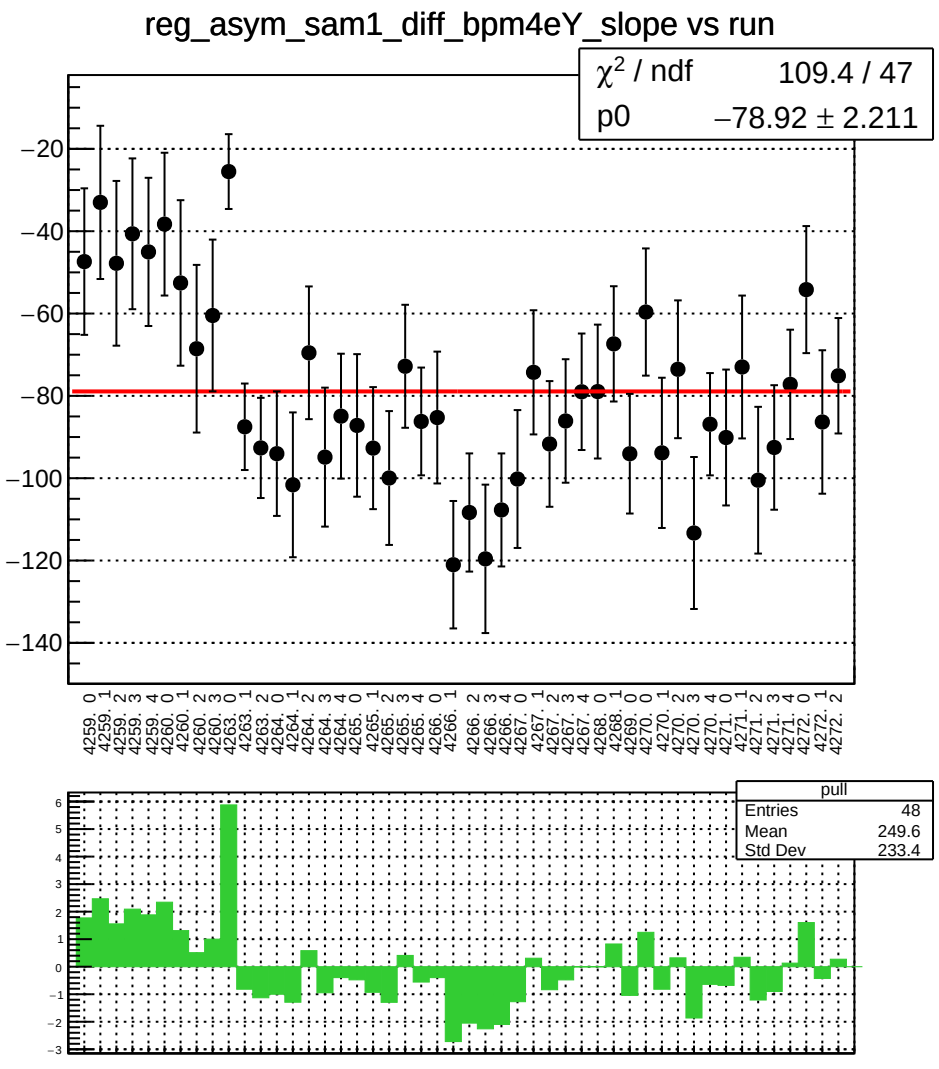

pull1D
Entries 48
Mean −0.0006807
Std Dev 0.3007

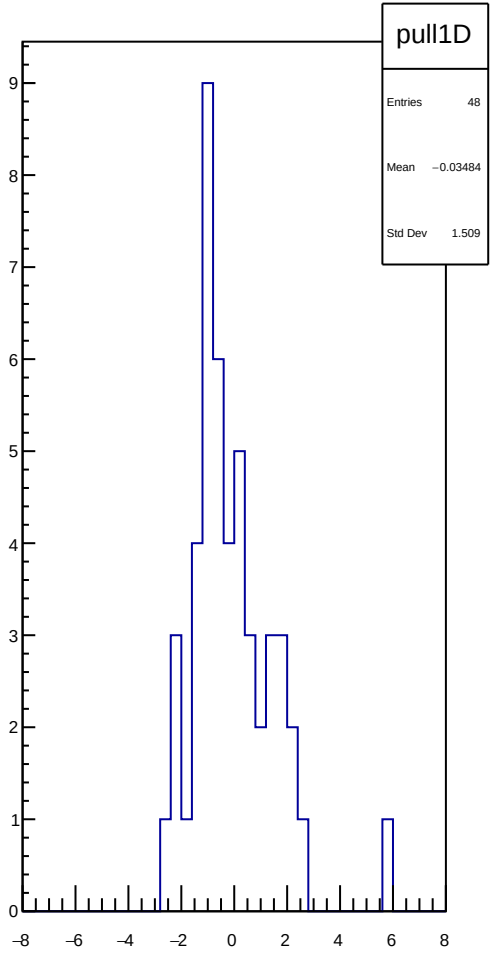

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 72.79 / 47
p0 −131.2 ± 1.305
pull
Entries 48
Mean −136.9
Std Dev 153.3

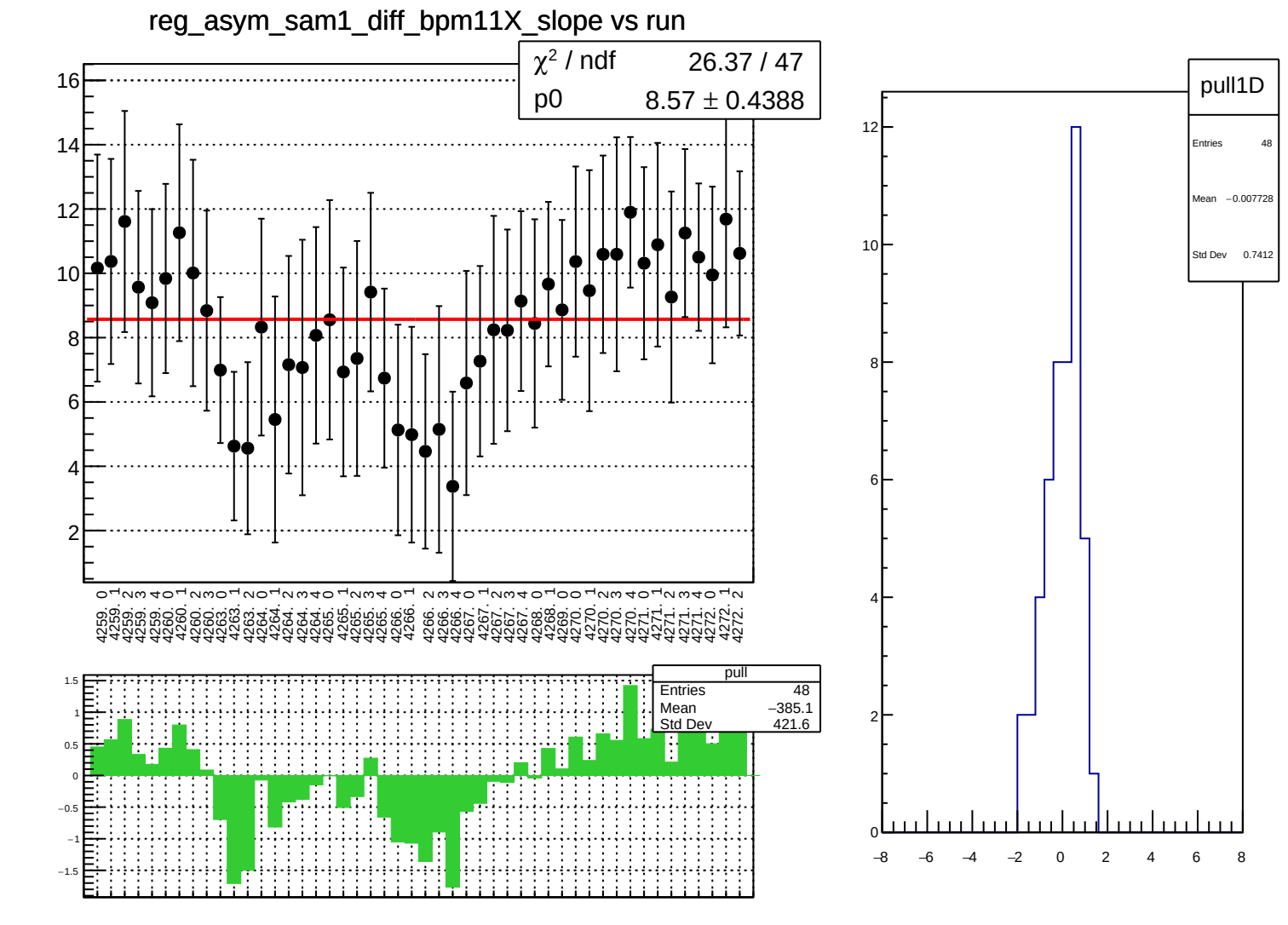

pull1D
Entries 48
Mean −0.04661
Std Dev 1.231

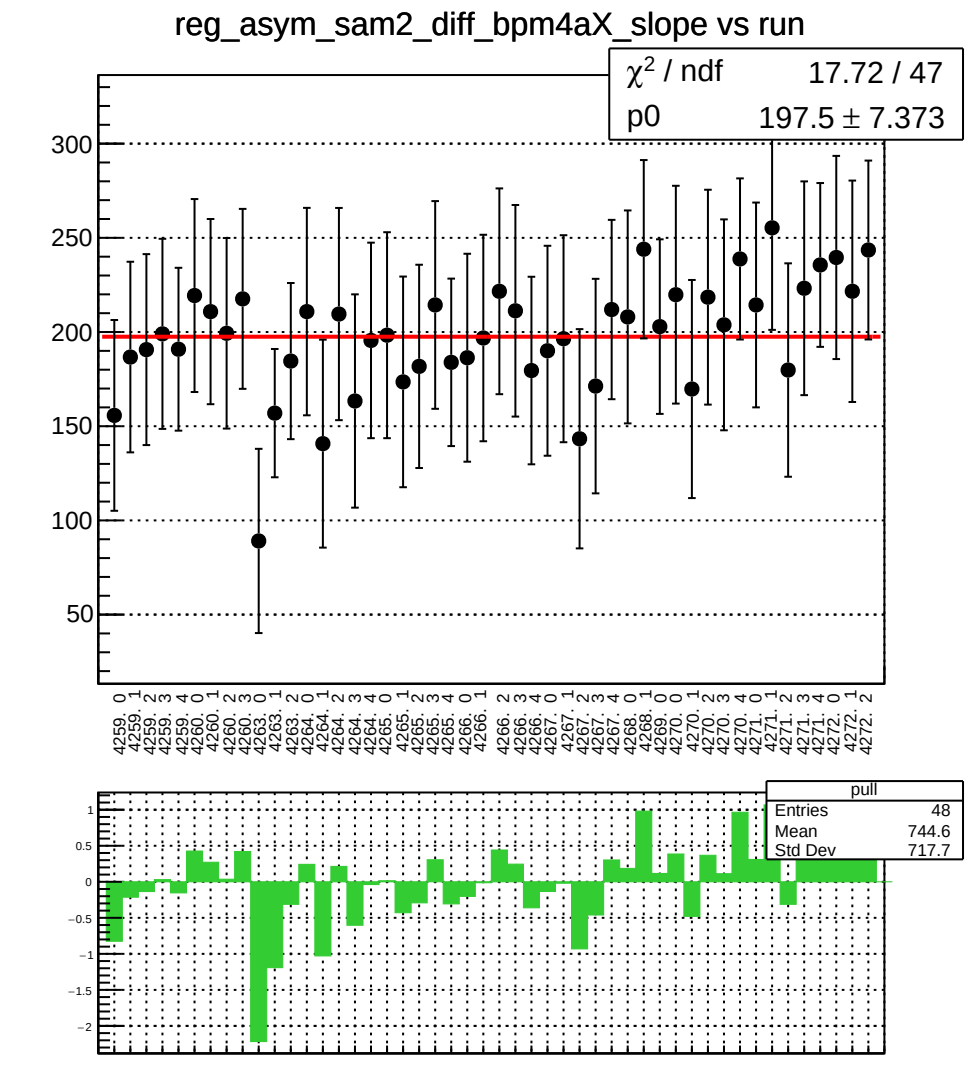

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 90.98 / 47
p0 −22.88 ± 0.3304
pull
Entries 48
Mean −115.2
Std Dev 134.6

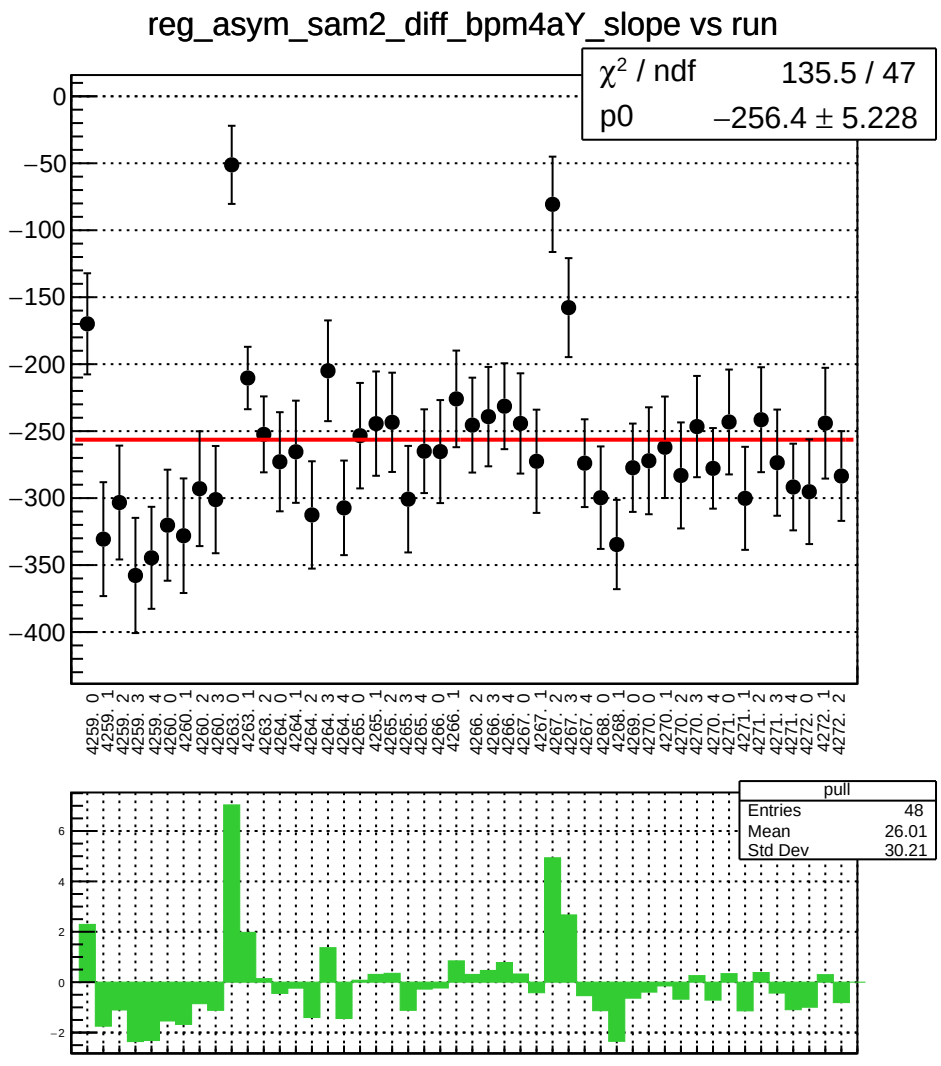

pull1D
Entries 48
Mean −0.07013
Std Dev 1.375

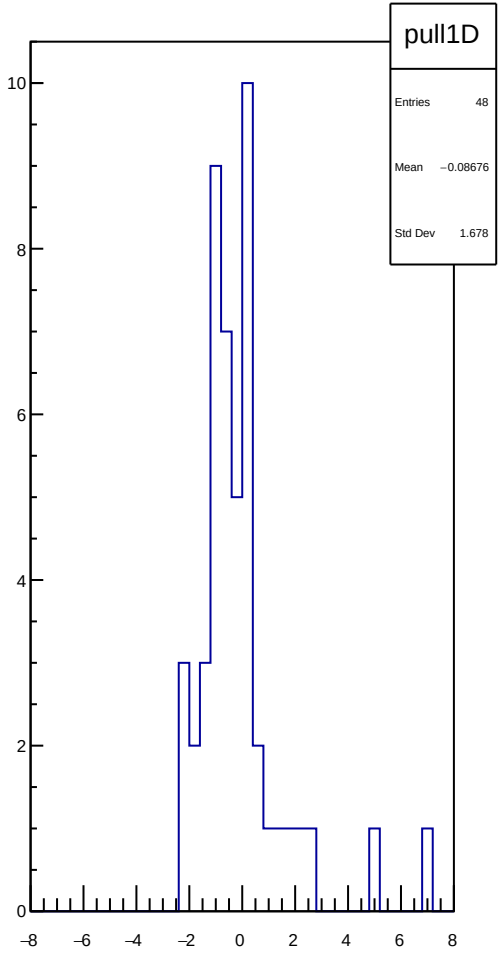

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 109.4 / 47
p0 −78.92 ± 2.211
pull
Entries 48
Mean 249.6
Std Dev 233.4

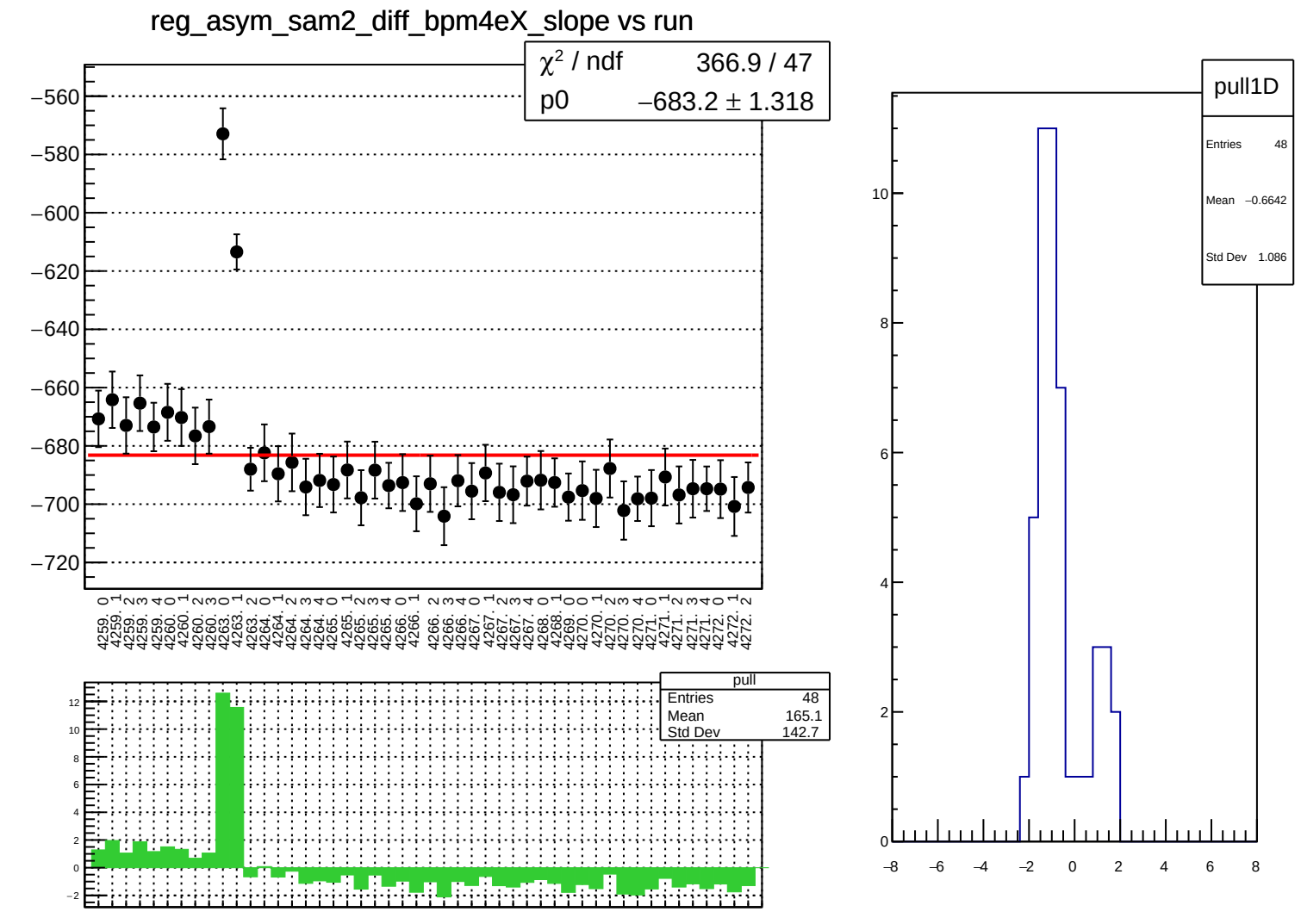

pull1D
Entries 48
Mean −0.03484
Std Dev 1.509

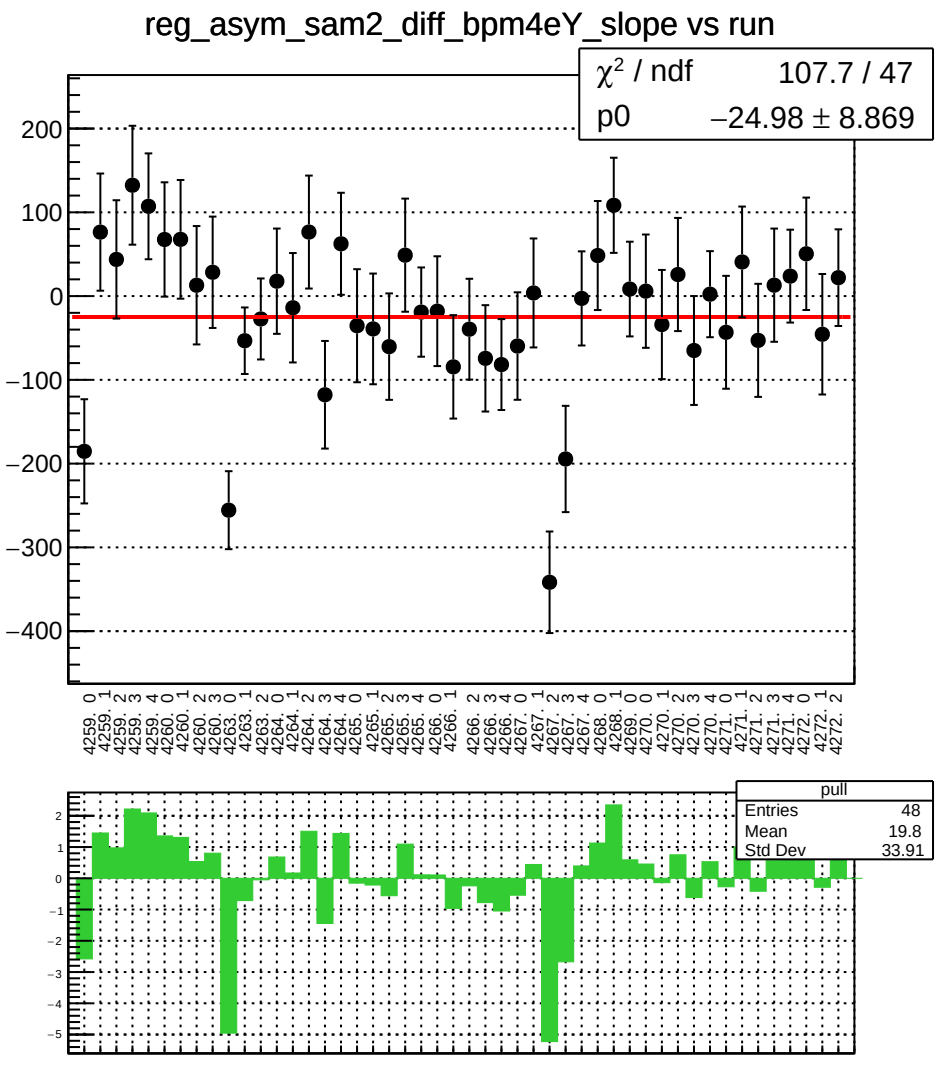

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 26.37 / 47
p0 8.57 ± 0.4388
pull
Entries 48
Mean −385.1
Std Dev 421.6
pull1D
Entries 48
Mean −0.007728
Std Dev 0.7412

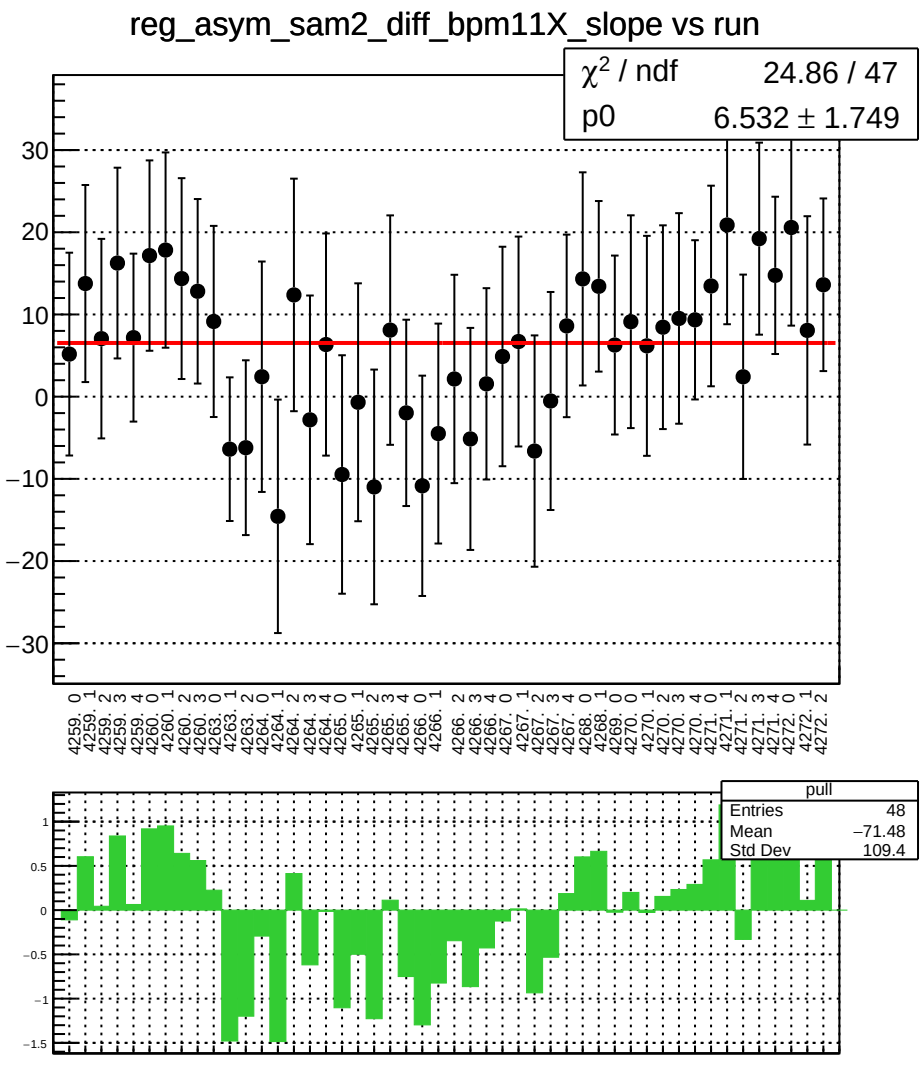

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 17.72 / 47
p0 197.5 ± 7.373
300
250
200
150
100
50
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 744.6
Std Dev 717.7
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 48
Mean 0.005662
Std Dev 0.6076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

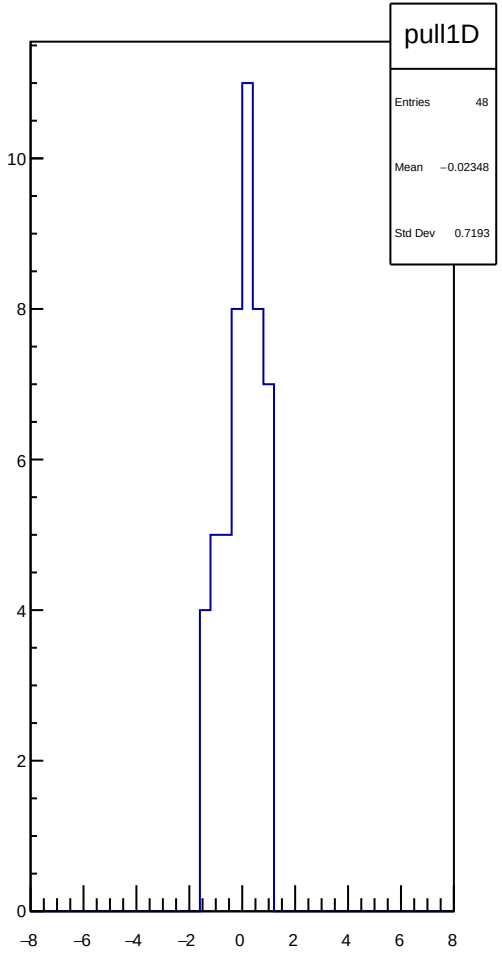

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 135.5 / 47
p0 −256.4 ± 5.228
pull
Entries 48
Mean 26.01
Std Dev 30.21

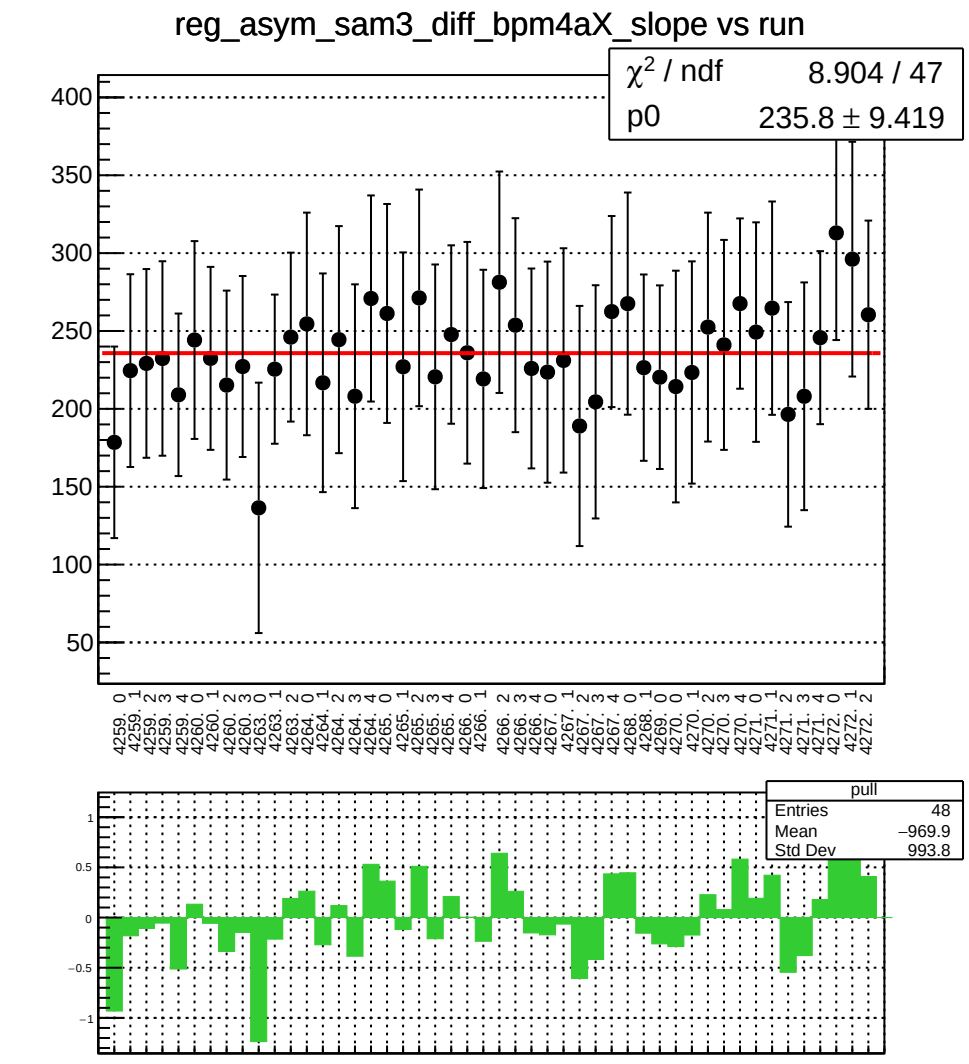

pull1D
Entries 48
Mean −0.08676
Std Dev 1.678

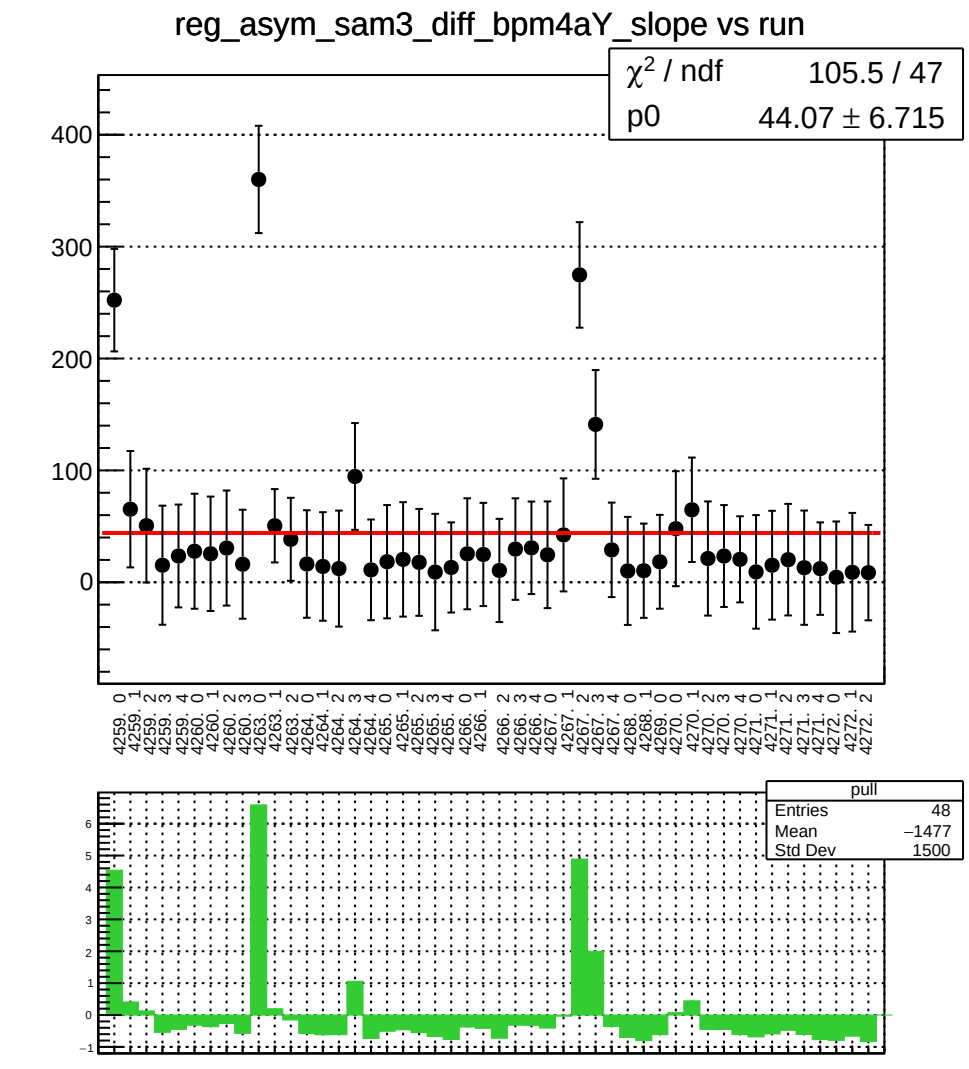

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 366.9 / 47
p0 −683.2 ± 1.318
pull
Entries 48
Mean 165.1
Std Dev 142.7
pull1D
Entries 48
Mean −0.6642
Std Dev 1.086

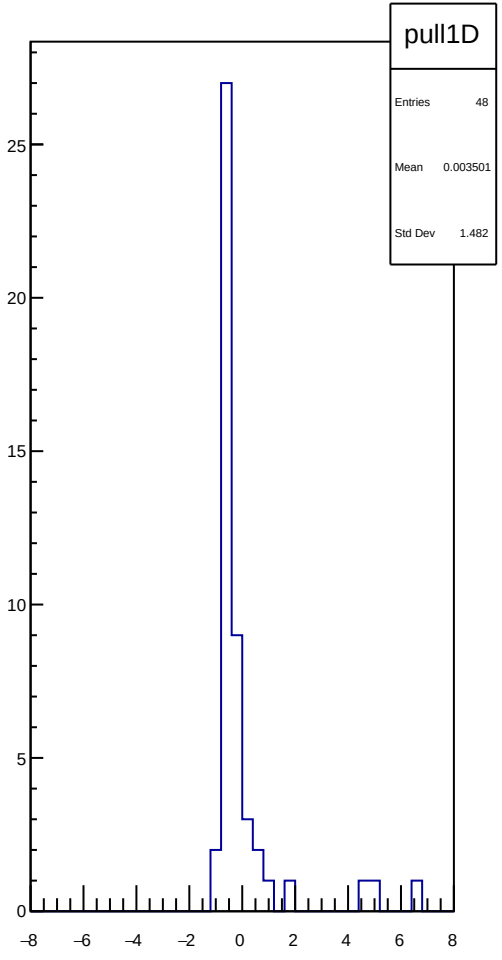

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 107.7 / 47
p0 −24.98 ± 8.869
200
100
0
−100
−200
−300
−400
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 4
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 19.8
Std Dev 33.91
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 48
Mean 0.06238
Std Dev 1.497
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

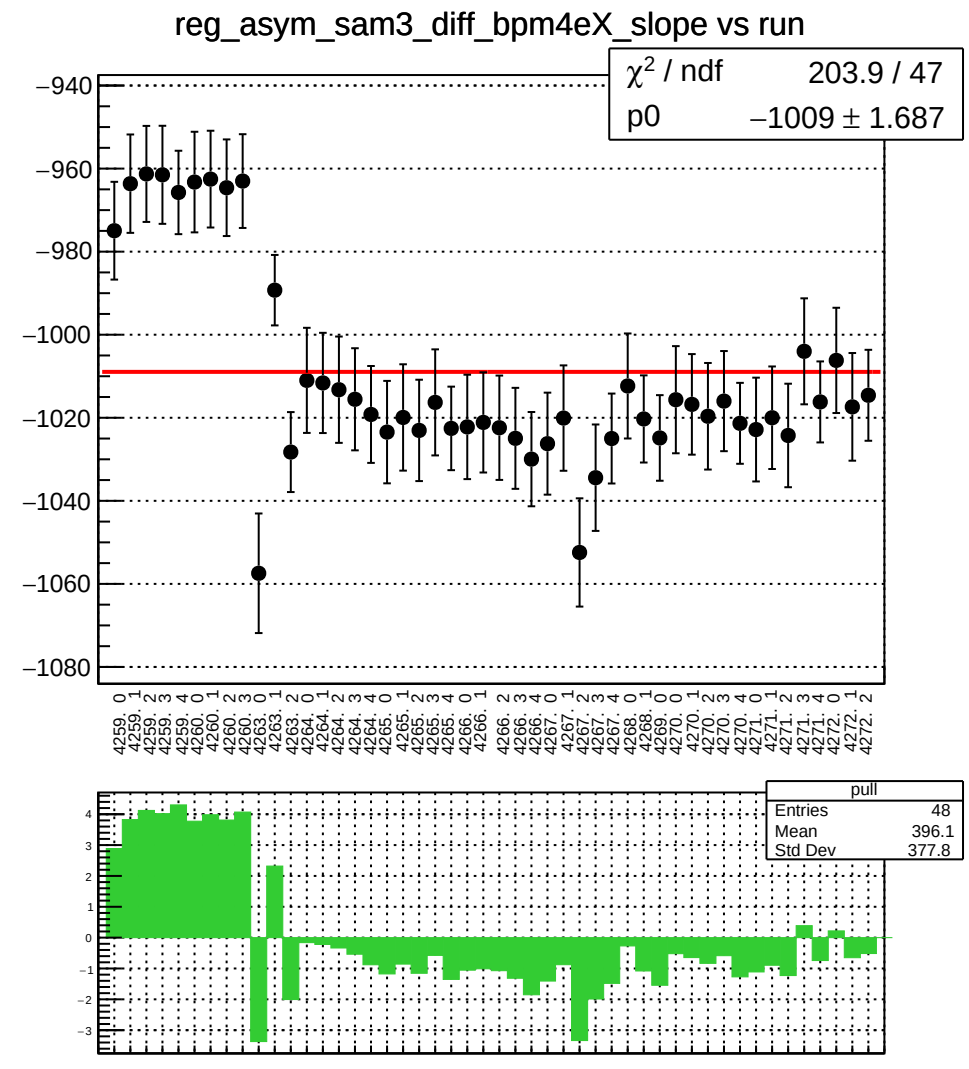

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 24.86 / 47
p0 6.532 ± 1.749
pull
Entries 48
Mean −71.48
Std Dev 109.4

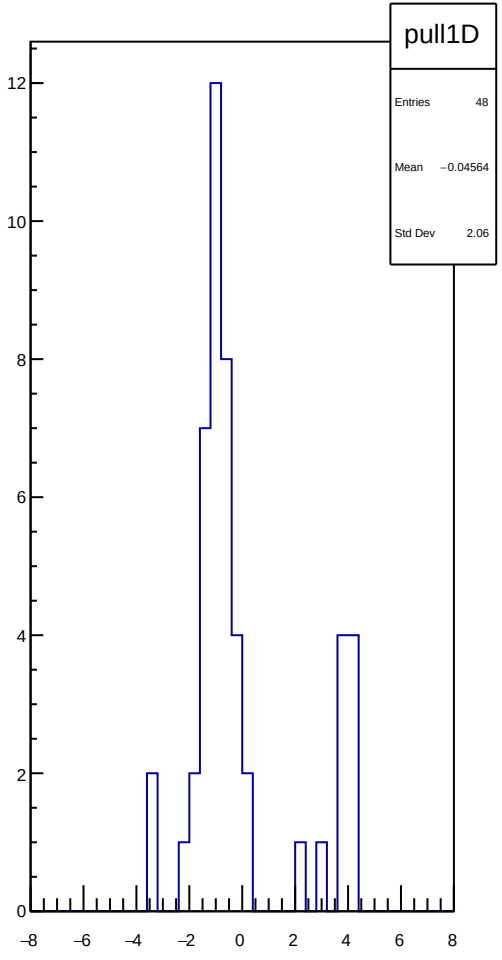

pull1D
Entries 48
Mean −0.02348
Std Dev 0.7193

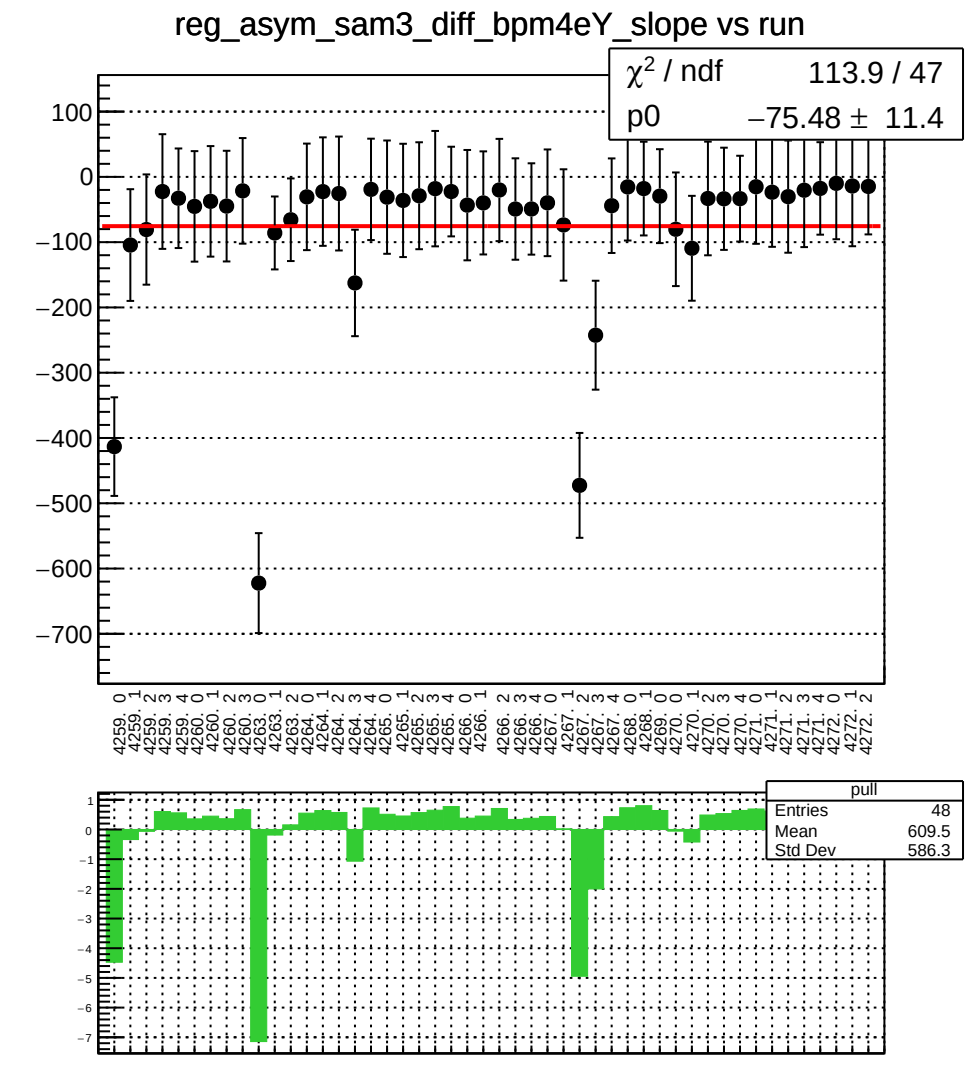

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 8.904 / 47
p0 235.8 ± 9.419
400
350
300
250
200
150
100
50
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −969.9
Std Dev 993.8
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean −0.002327
Std Dev 0.4307
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

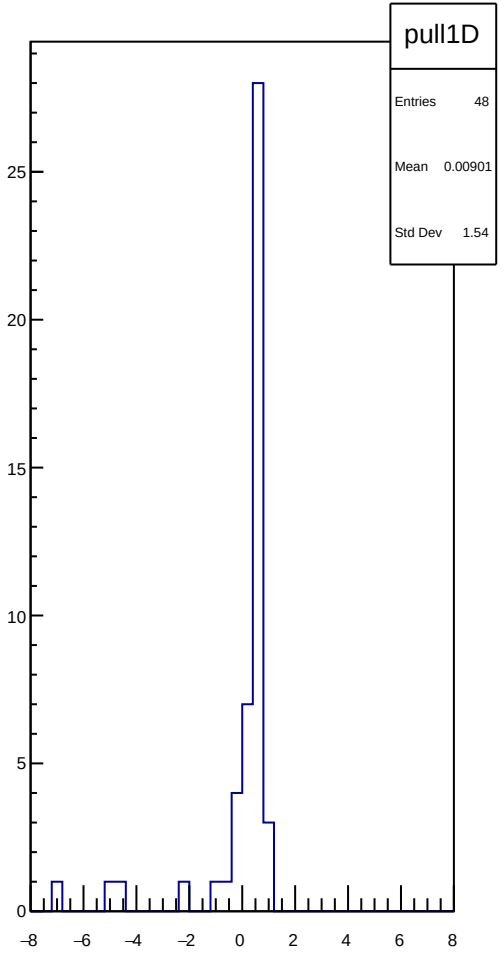

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 105.5 / 47
p0 44.07 ± 6.715
400
300
200
100
0
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1477
Std Dev 1500
6
5
4
3
2
1
0
−1

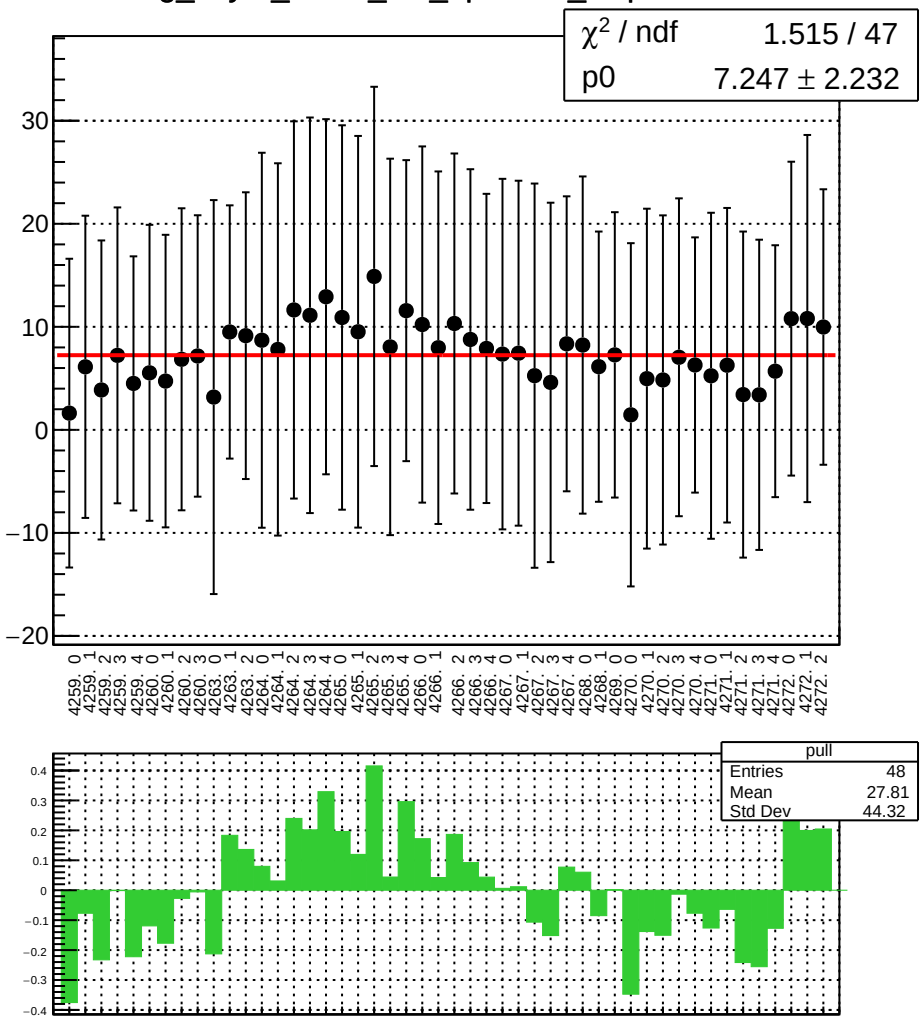

pull1D
Entries 48
Mean 0.003501
Std Dev 1.482
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

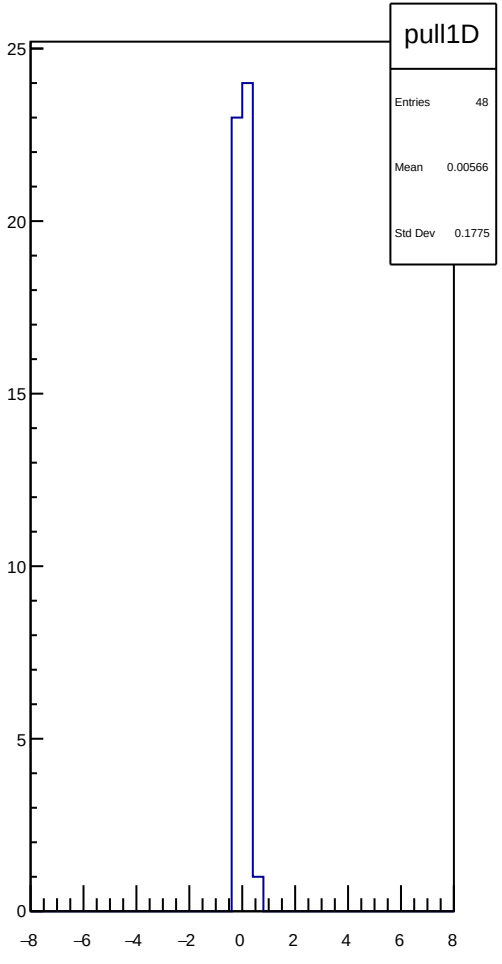

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 203.9 / 47
p0 −1009 ± 1.687
−940
−960
−980
−1000
−1020
−1040
−1060
−1080
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 396.1
Std Dev 377.8
4
3
2
1
0
−1
−2
−3

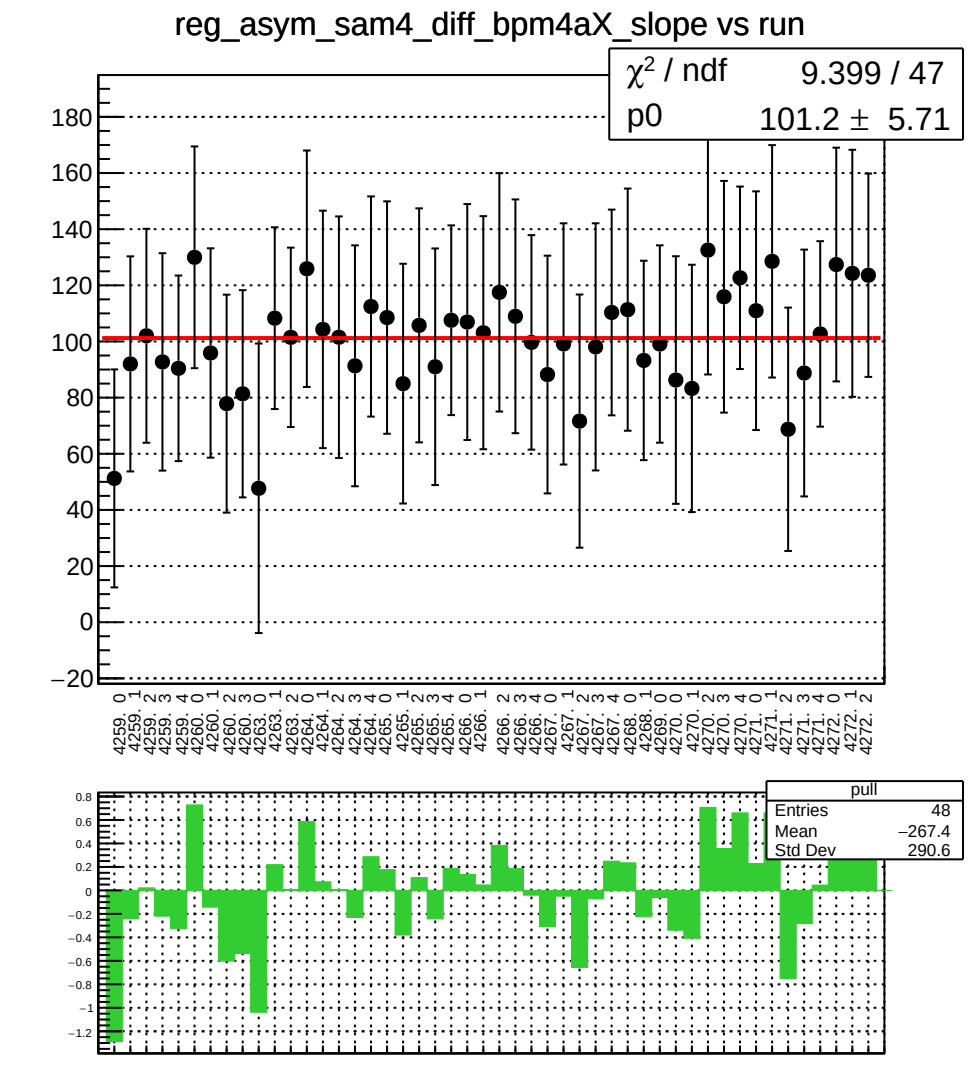

pull1D
Entries 48
Mean −0.04564
Std Dev 2.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

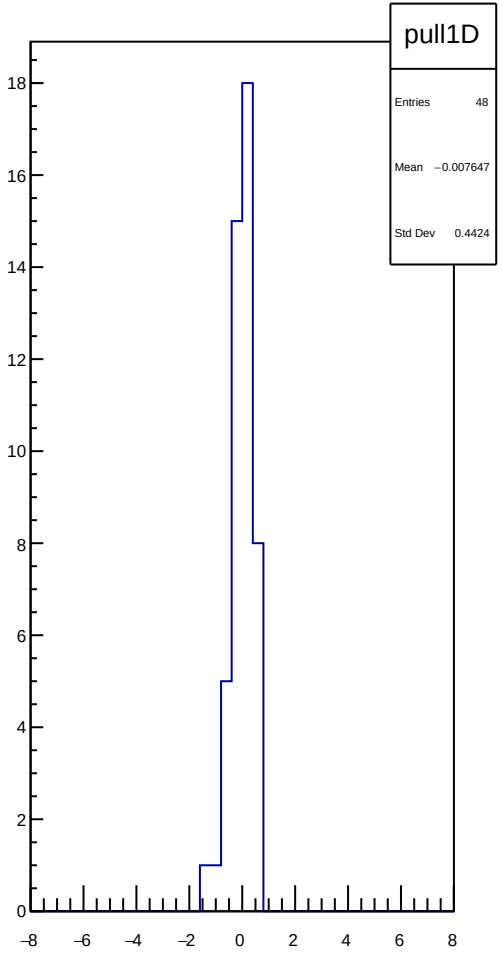

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 113.9 / 47
p0 −75.48 ± 11.4
pull
Entries 48
Mean 609.5
Std Dev 586.3

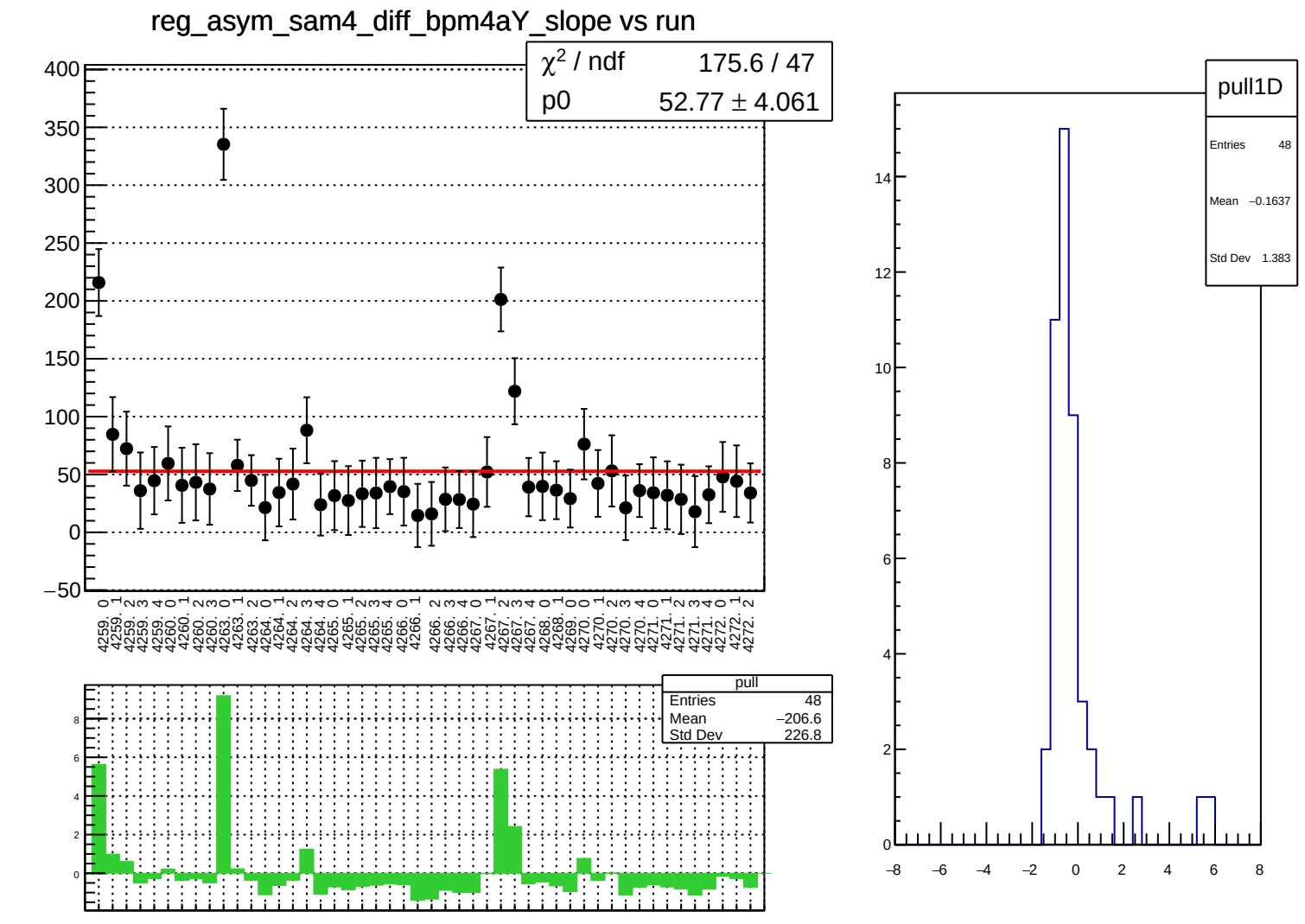

pull1D
Entries 48
Mean 0.00901
Std Dev 1.54

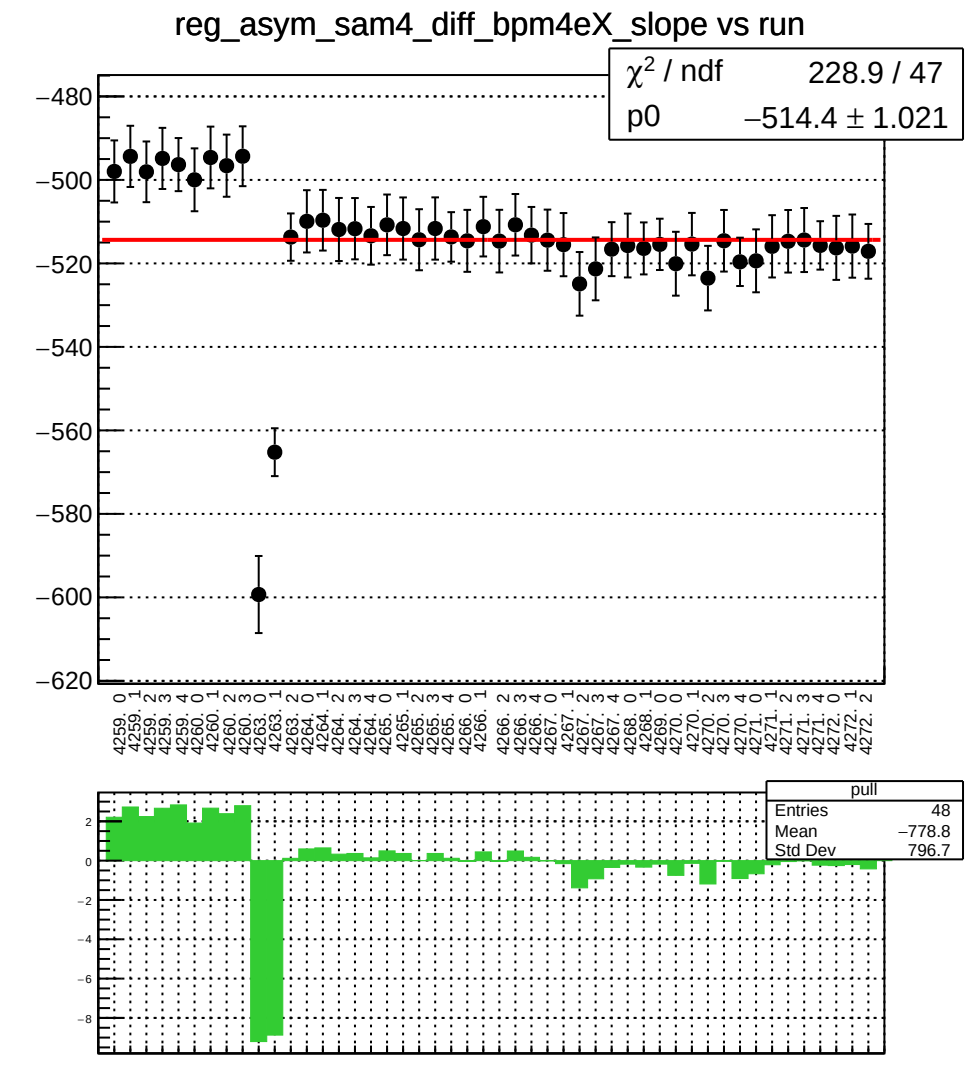

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 1.515 / 47
p0 7.247 ± 2.232
pull
Entries 48
Mean 27.81
Std Dev 44.32

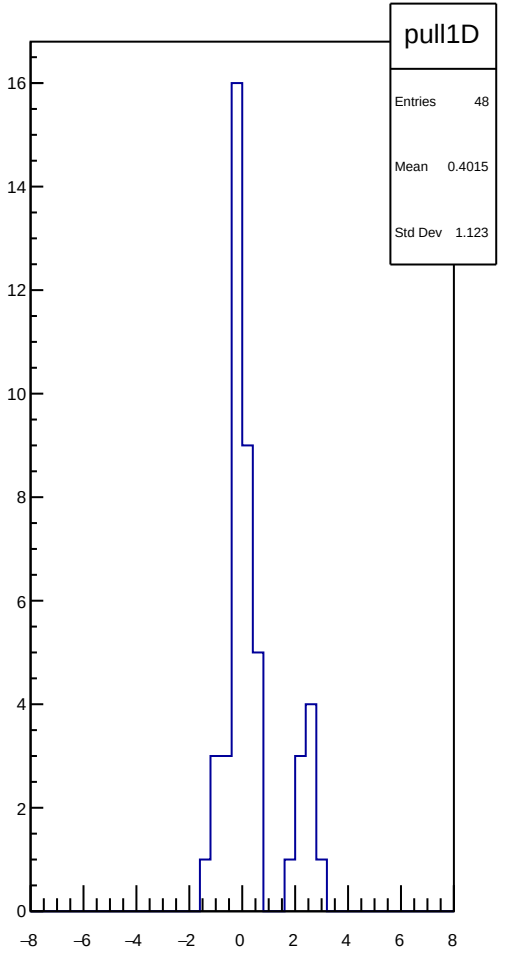

pull1D
Entries 48
Mean 0.00566
Std Dev 0.1775

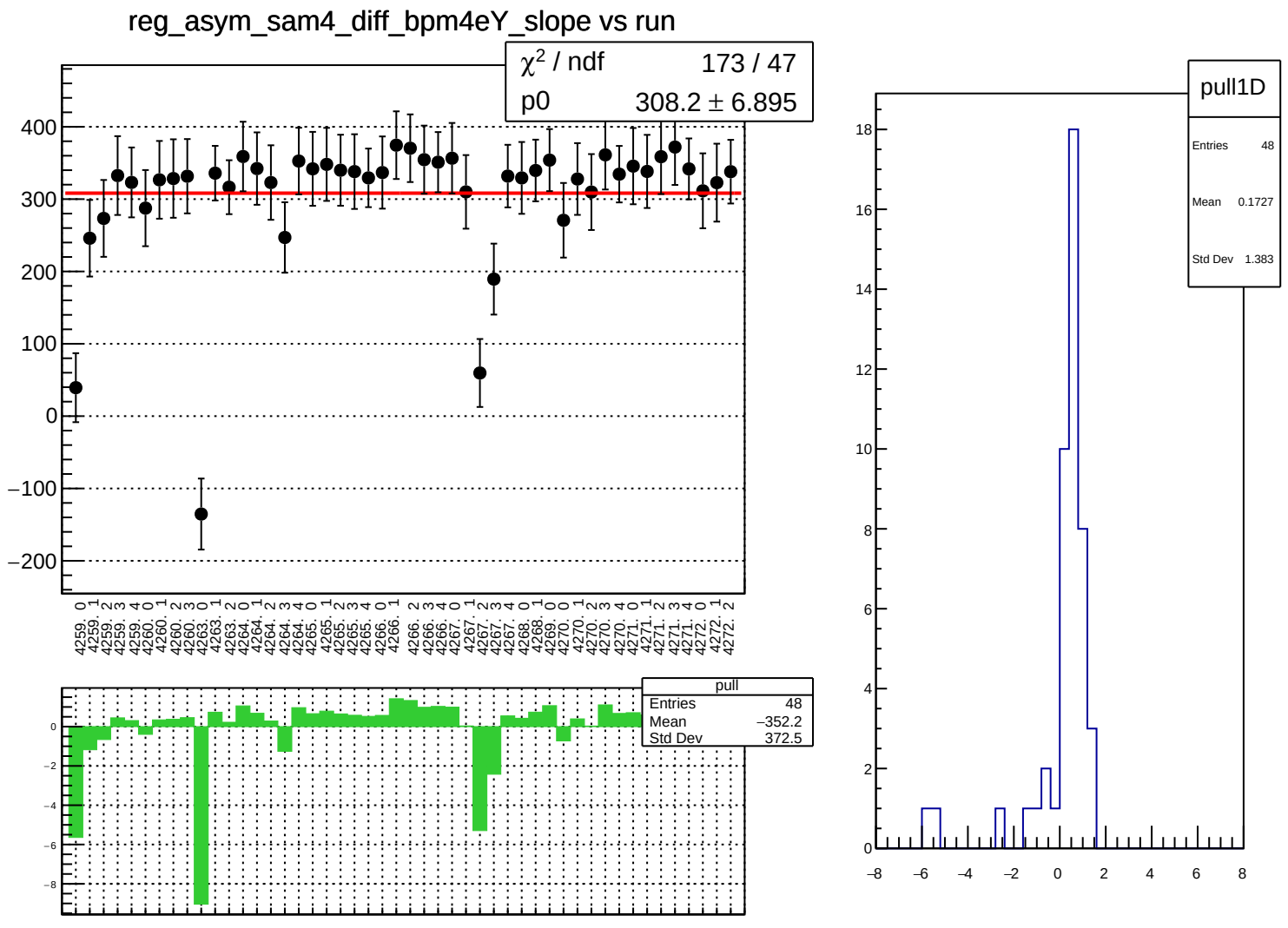

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 9.399 / 47
p0 101.2 ± 5.71
pull
Entries 48
Mean −267.4
Std Dev 290.6

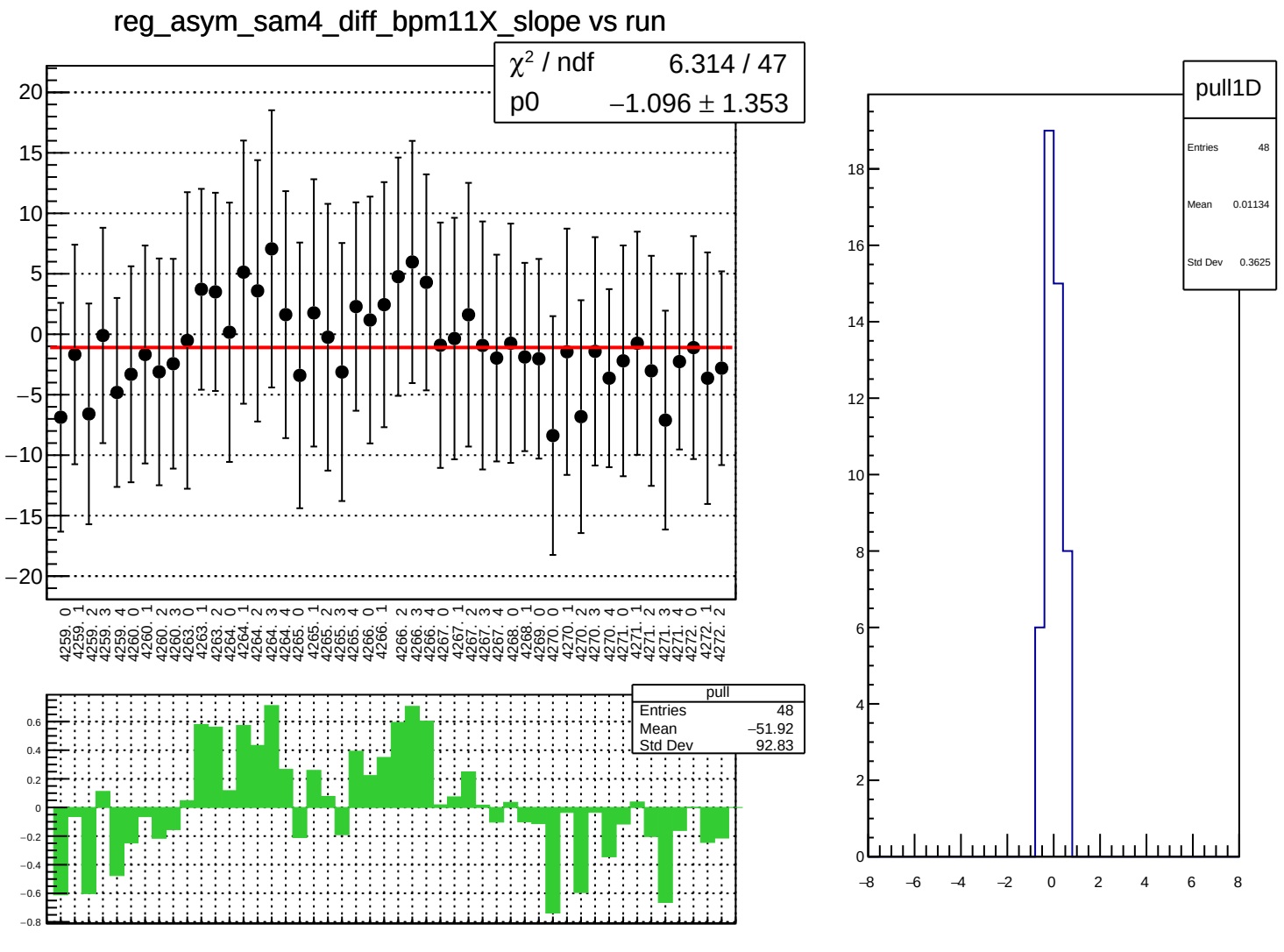

pull1D
Entries 48
Mean −0.007647
Std Dev 0.4424

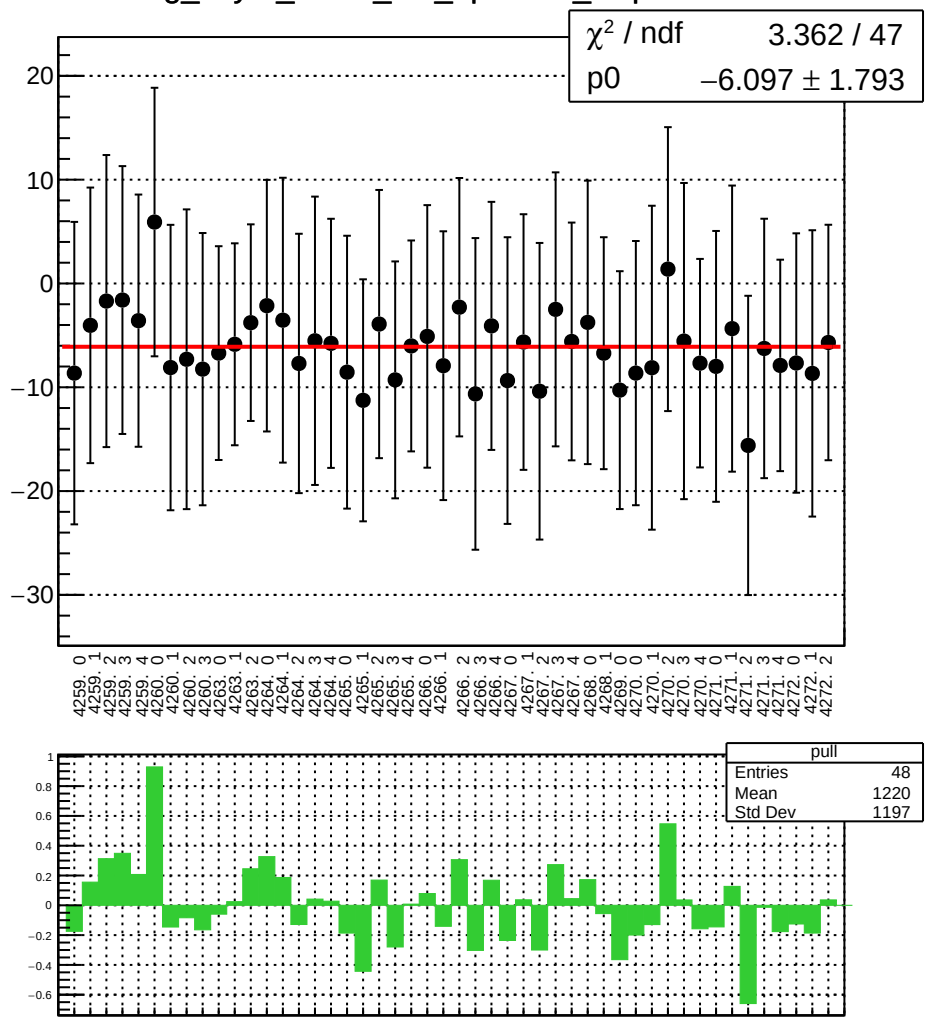

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 175.6 / 47
p0 52.77 ± 4.061
pull
Entries 48
Mean −206.6
Std Dev 226.8
pull1D
Entries 48
Mean −0.1637
Std Dev 1.383

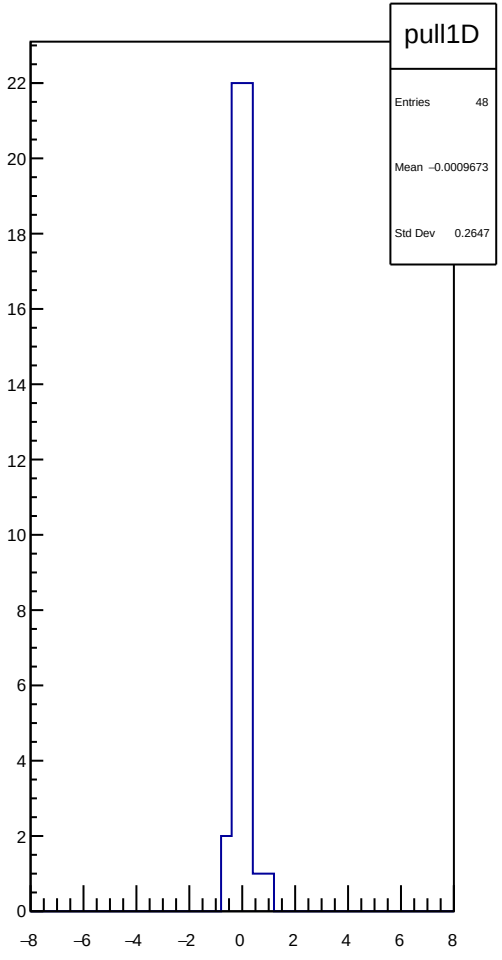

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 228.9 / 47
p0 −514.4 ± 1.021
pull
Entries 48
Mean −778.8
Std Dev 796.7

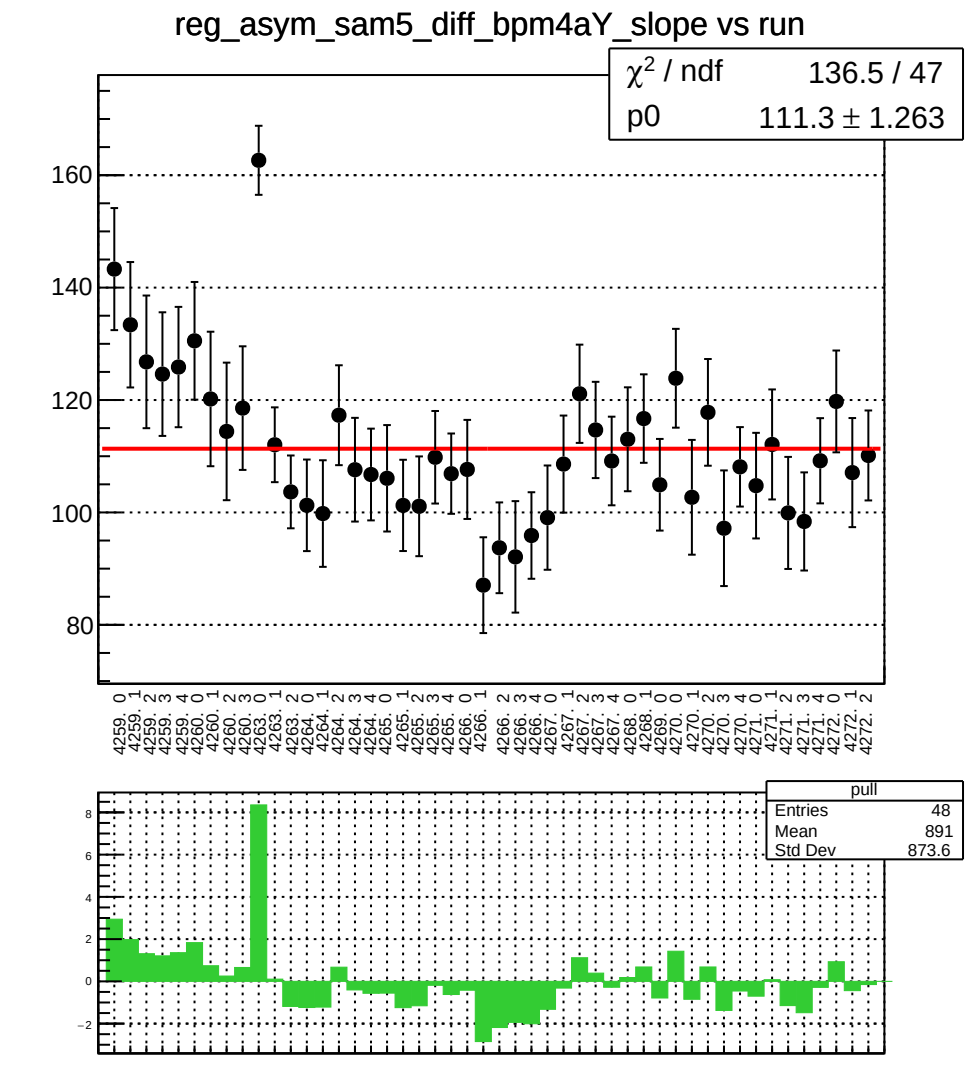

pull1D
Entries 48
Mean 0.4015
Std Dev 1.123

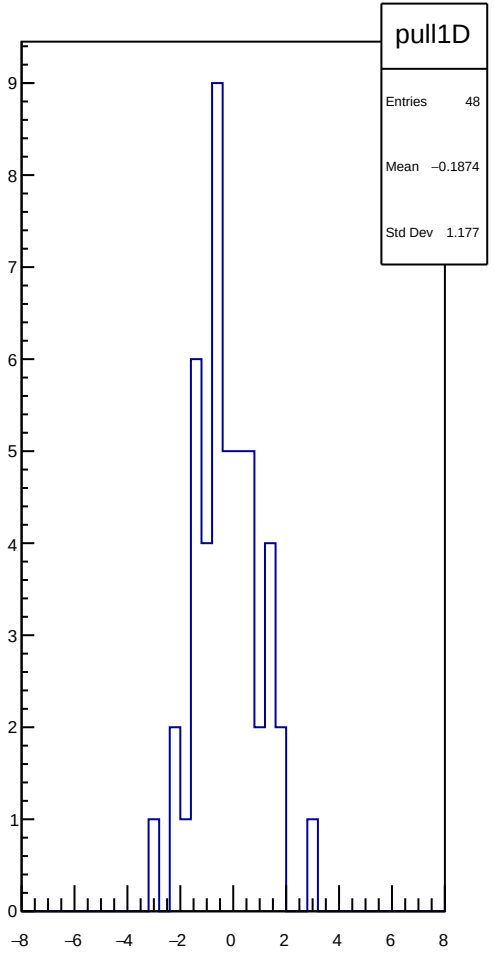

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 173 / 47
p0 308.2 ± 6.895
400
300
200
100
0
−100
−200
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −352.2
Std Dev 372.5
0
−2
−4
−6
−8
pull1D
Entries 48
Mean 0.1727
Std Dev 1.383
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

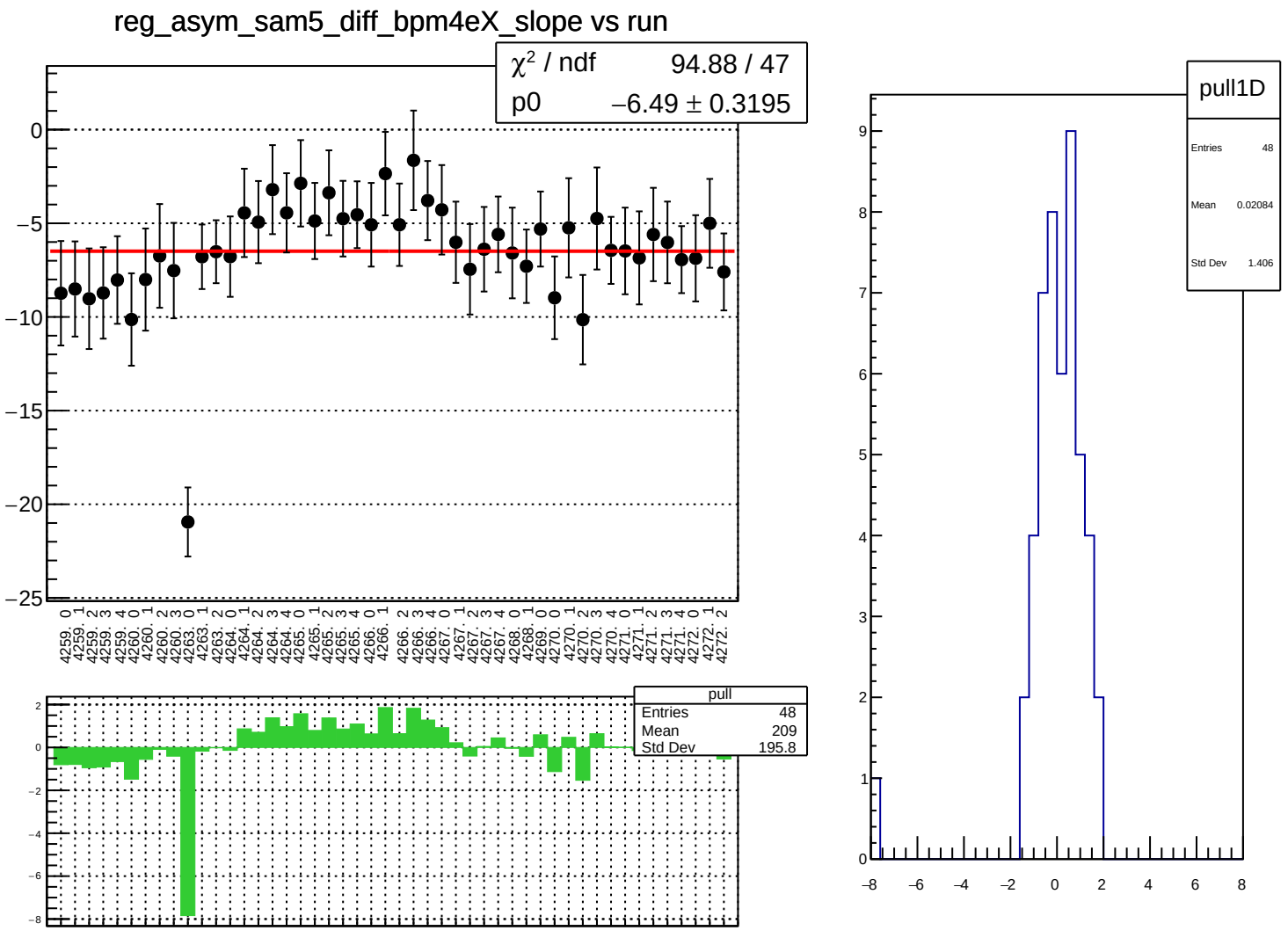

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 6.314 / 47
p0 −1.096 ± 1.353
pull
Entries 48
Mean −51.92
Std Dev 92.83
pull1D
Entries 48
Mean 0.01134
Std Dev 0.3625

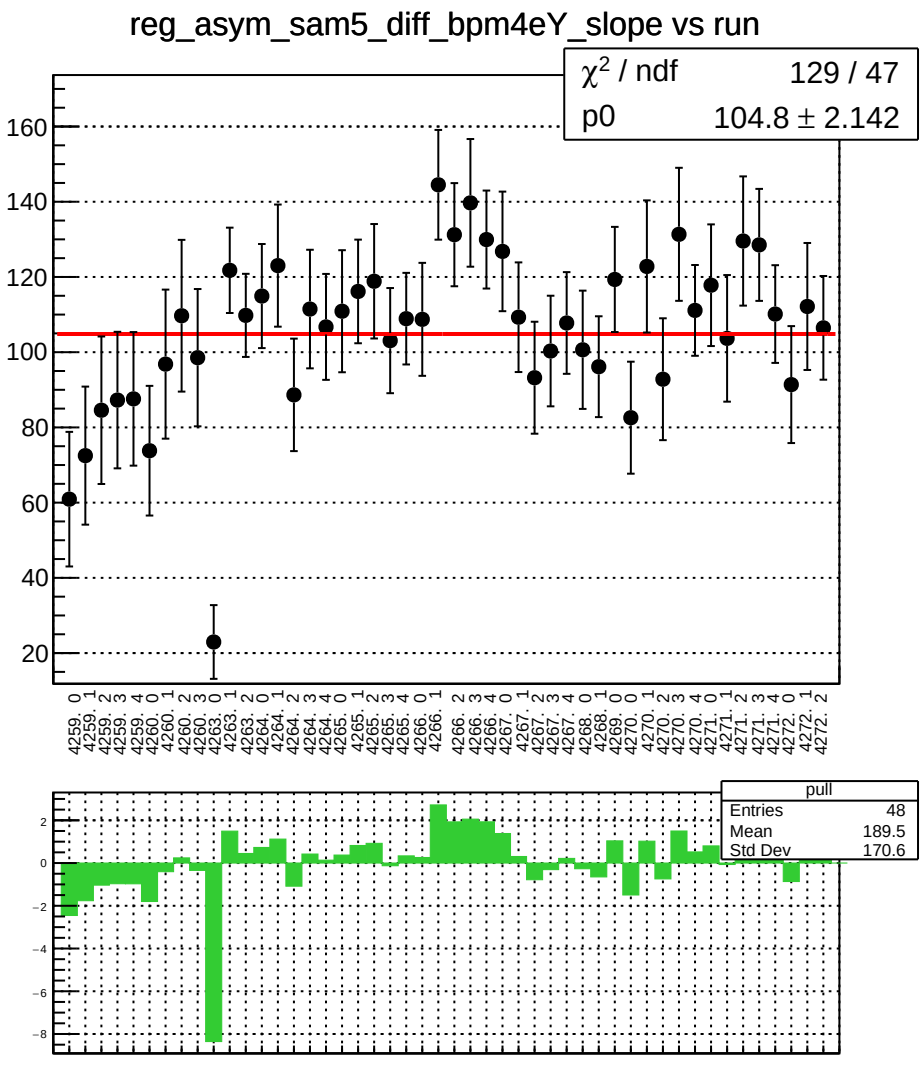

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 3.362 / 47
p0 −6.097 ± 1.793
pull
Entries 48
Mean 1220
Std Dev 1197

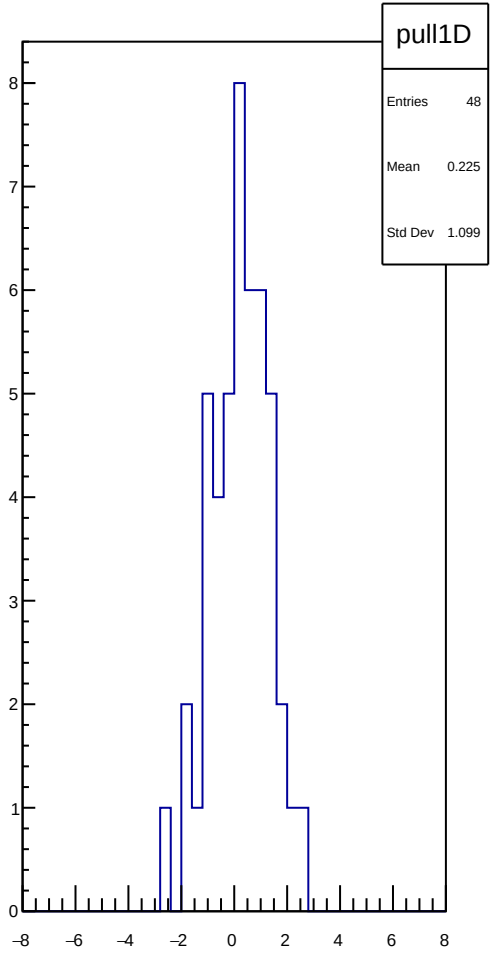

pull1D
Entries 48
Mean −0.0009673
Std Dev 0.2647

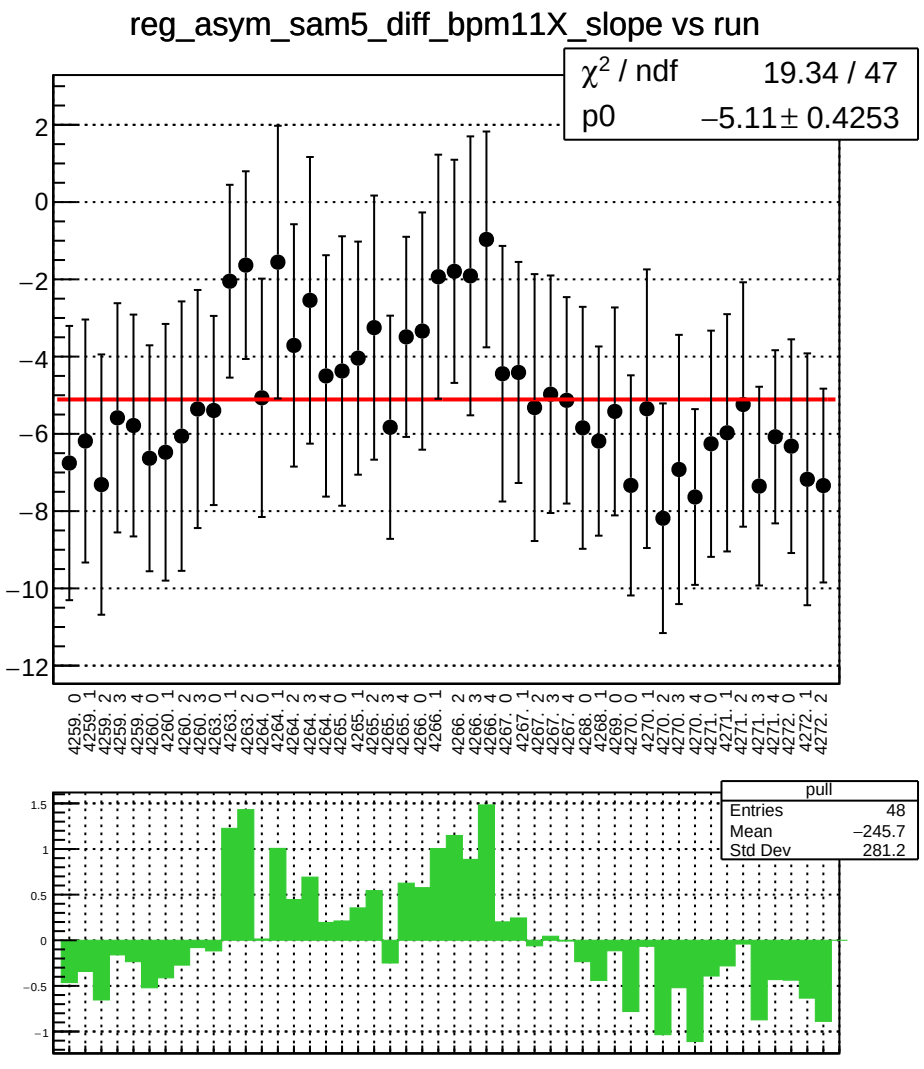

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 136.5 / 47
p0 111.3 ± 1.263
160
140
120
100
80
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 891
Std Dev 873.6
8
6
4
2
0
−2

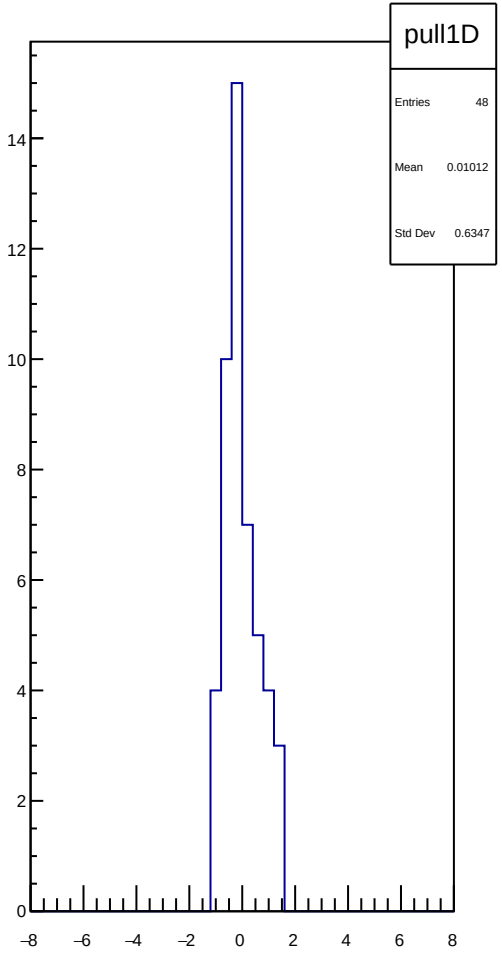

pull1D
Entries 48
Mean −0.1874
Std Dev 1.177
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

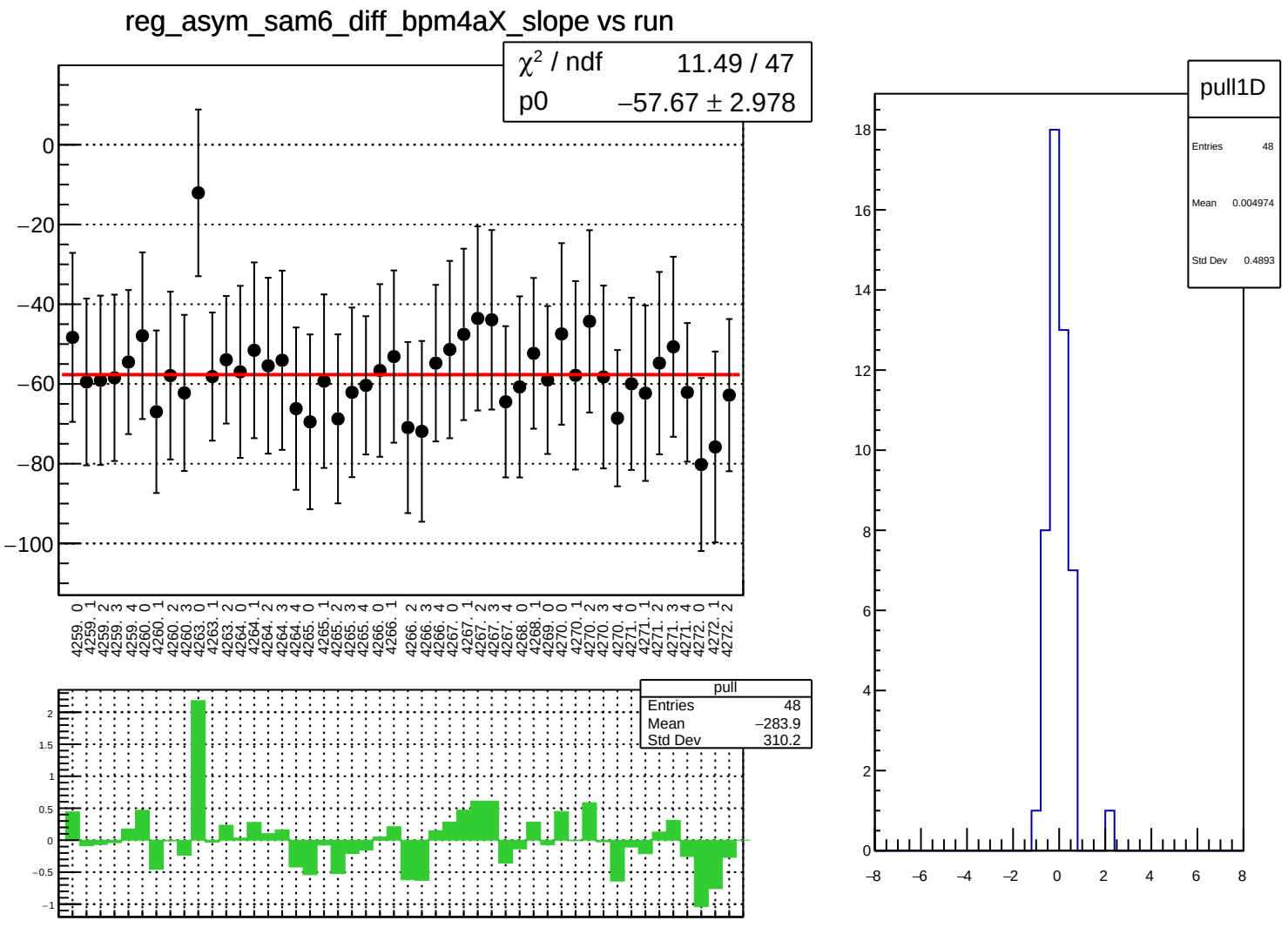

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 94.88 / 47
p0 −6.49 ± 0.3195
pull
Entries 48
Mean 209
Std Dev 195.8
pull1D
Entries 48
Mean 0.02084
Std Dev 1.406

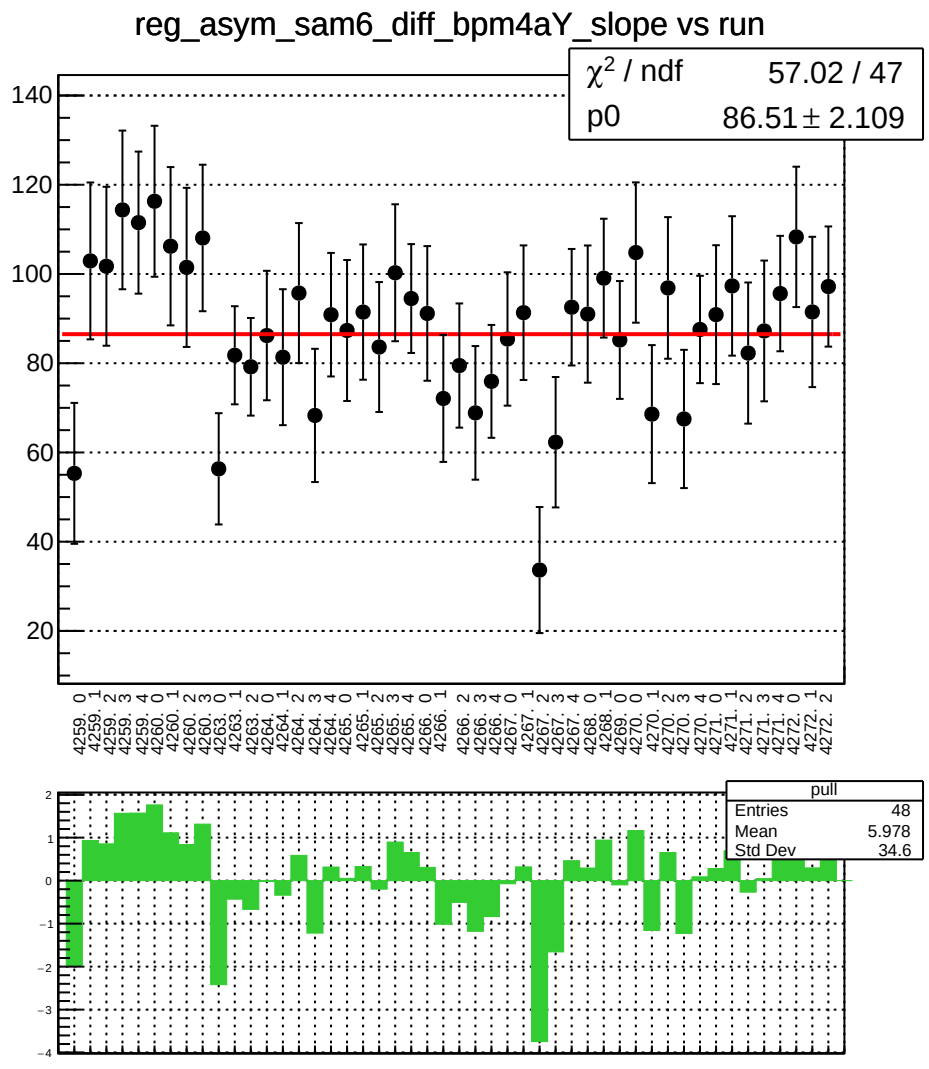

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 129 / 47
p0 104.8 ± 2.142
pull
Entries 48
Mean 189.5
Std Dev 170.6

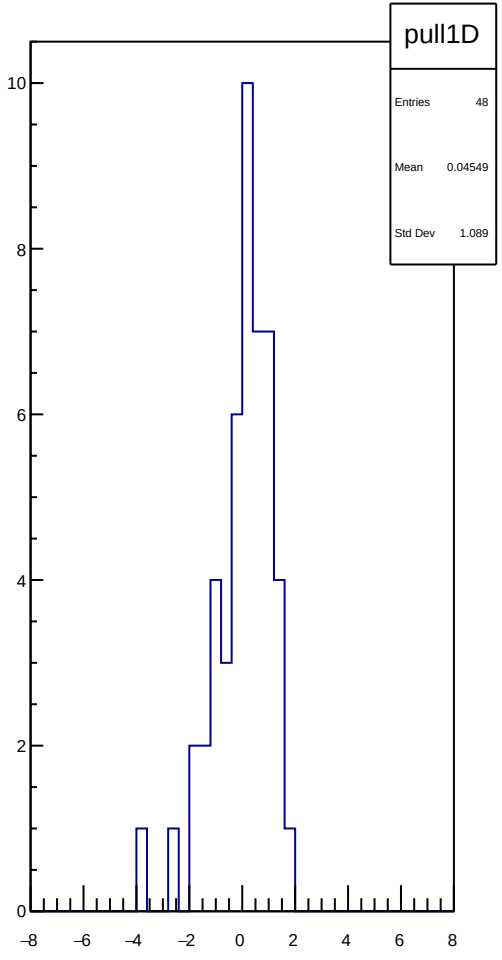

pull1D
Entries 48
Mean 0.225
Std Dev 1.099

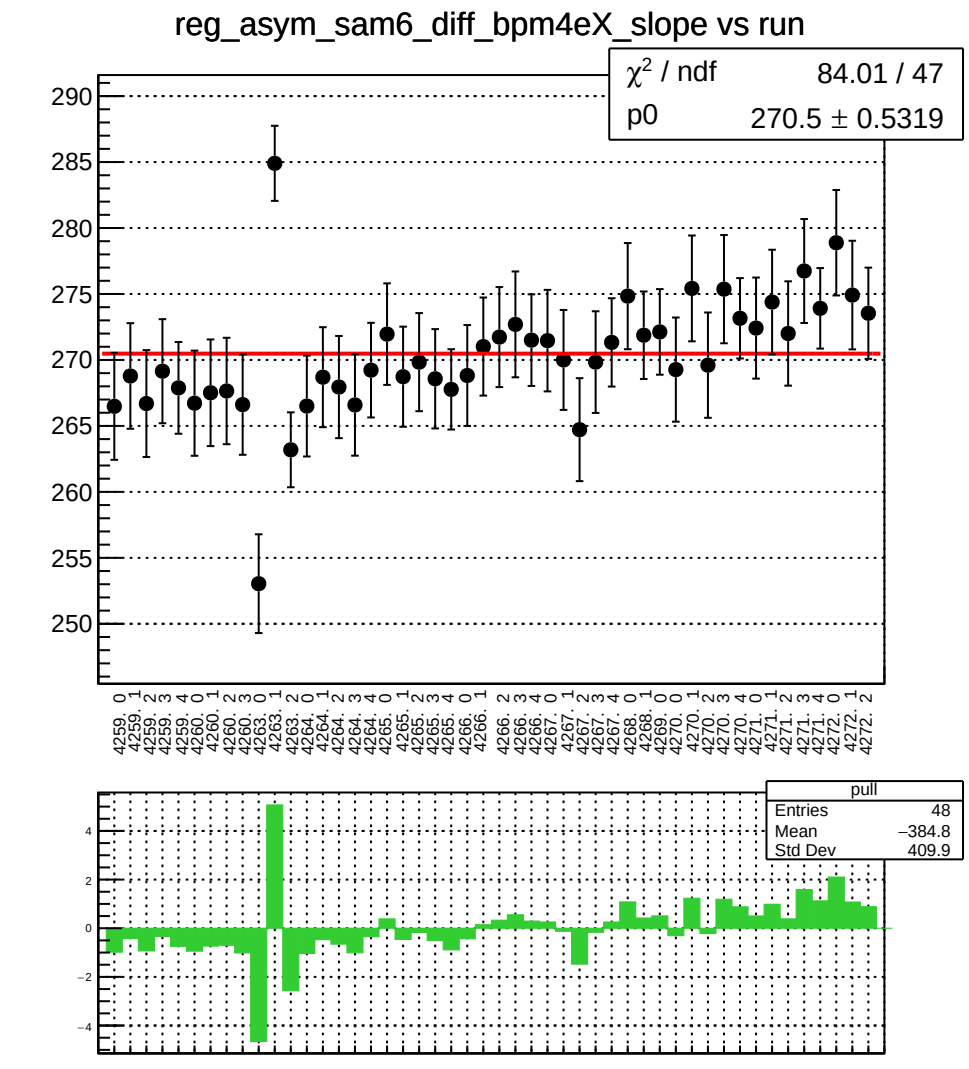

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 19.34 / 47
p0 −5.11 ± 0.4253
pull
Entries 48
Mean −245.7
Std Dev 281.2

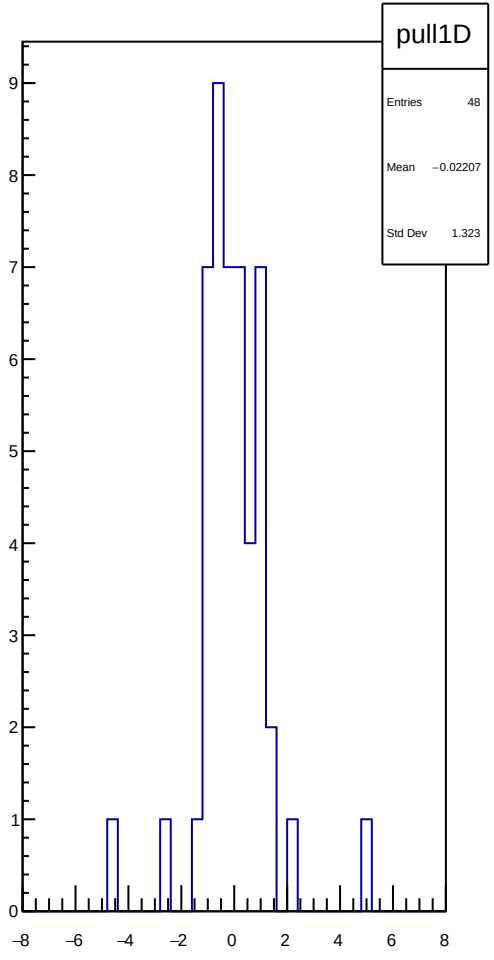

pull1D
Entries 48
Mean 0.01012
Std Dev 0.6347

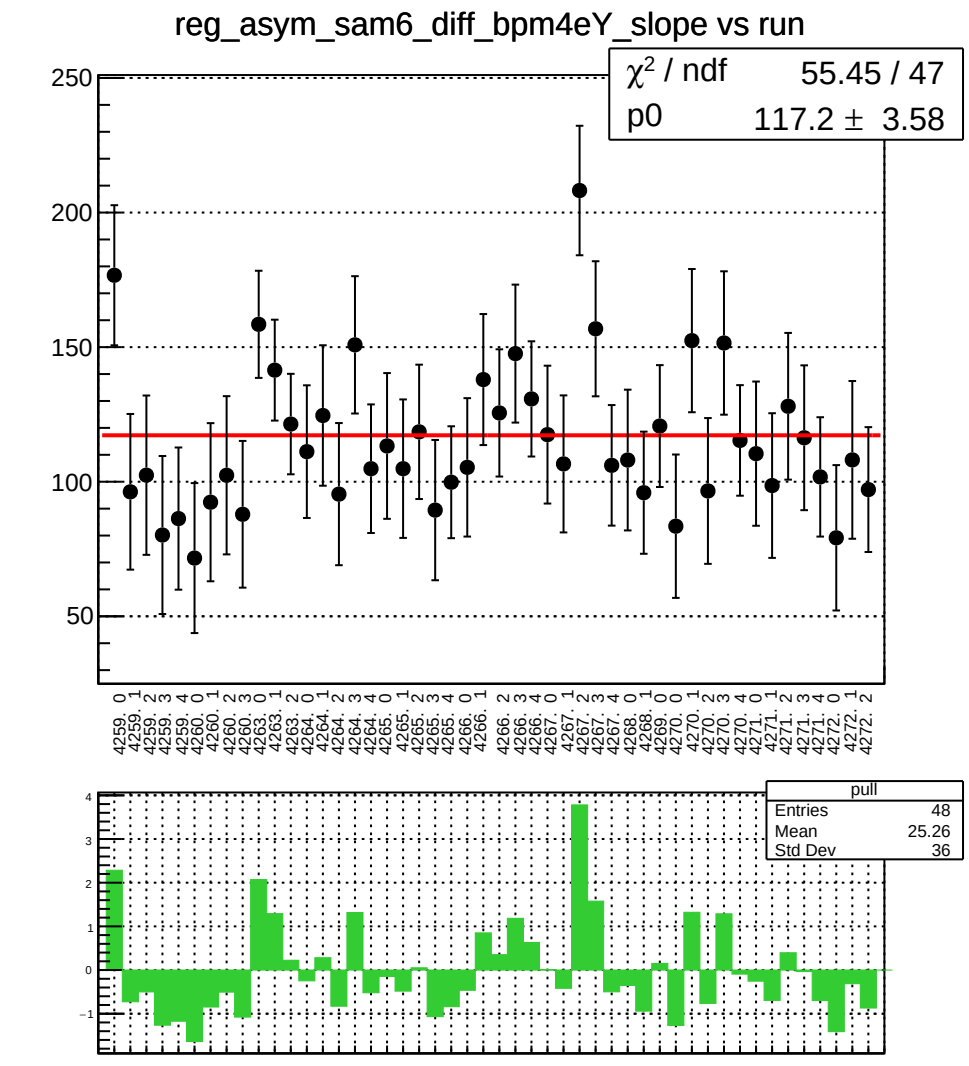

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 11.49 / 47
p0 −57.67 ± 2.978
pull
Entries 48
Mean −283.9
Std Dev 310.2
pull1D
Entries 48
Mean 0.004974
Std Dev 0.4893

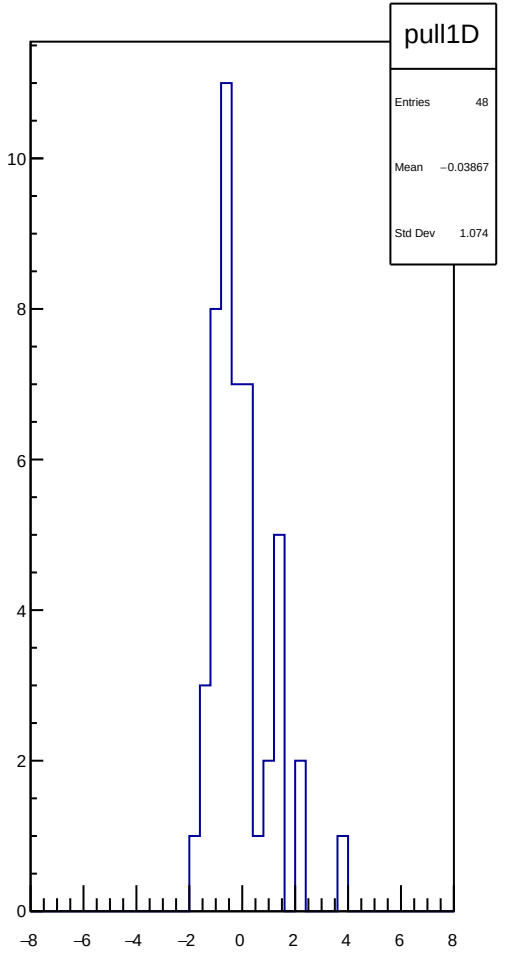

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 57.02 / 47
p0 86.51 ± 2.109
pull
Entries 48
Mean 5.978
Std Dev 34.6

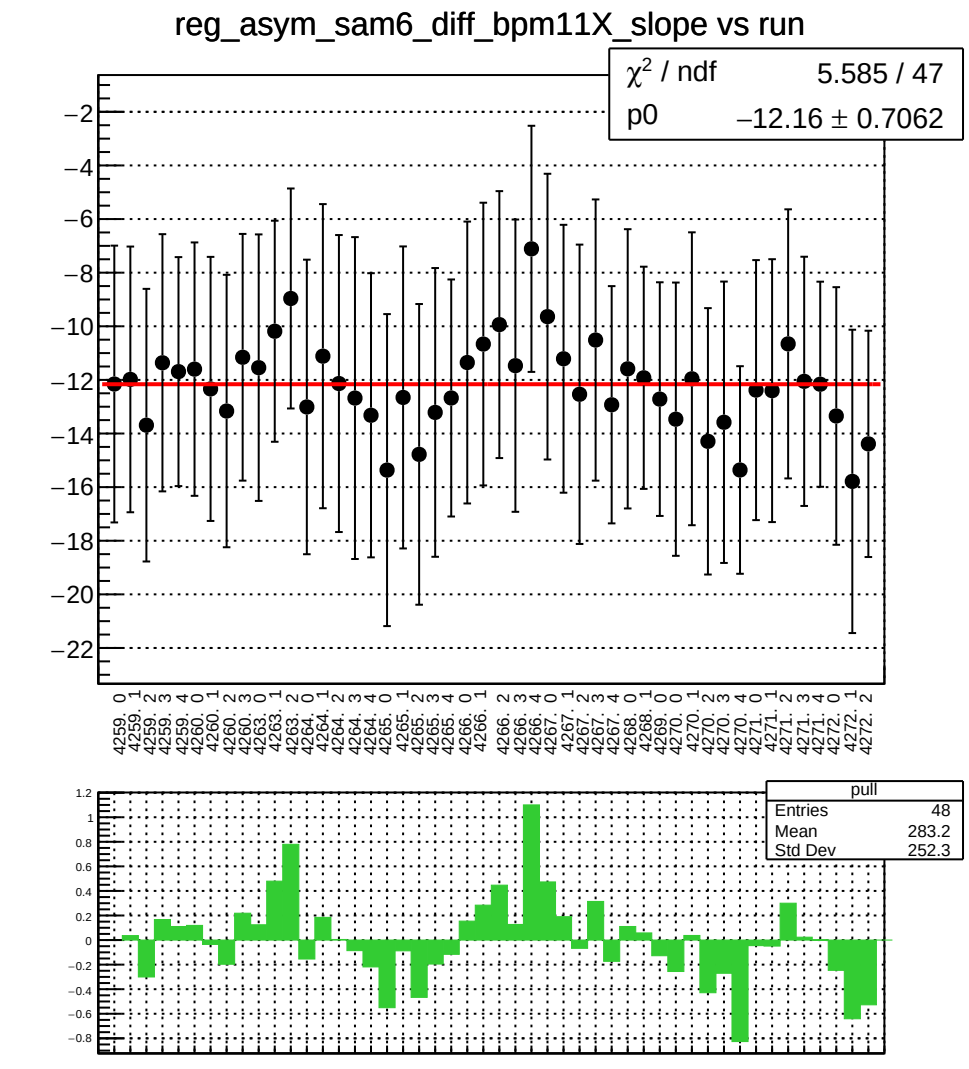

pull1D
Entries 48
Mean 0.04549
Std Dev 1.089

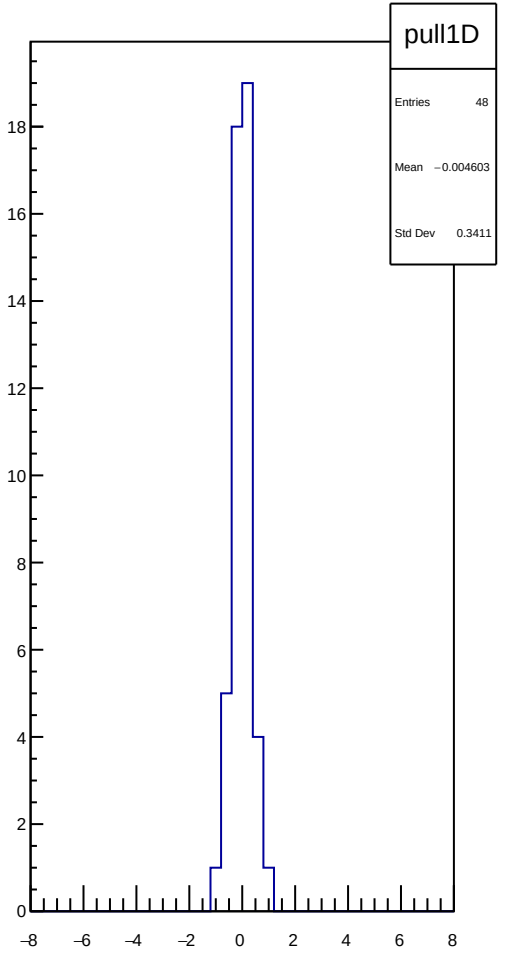

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 84.01 / 47
p0 270.5 ± 0.5319
290
285
280
275
270
265
260
255
250
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −384.8
Std Dev 409.9
4
2
0
−2
−4

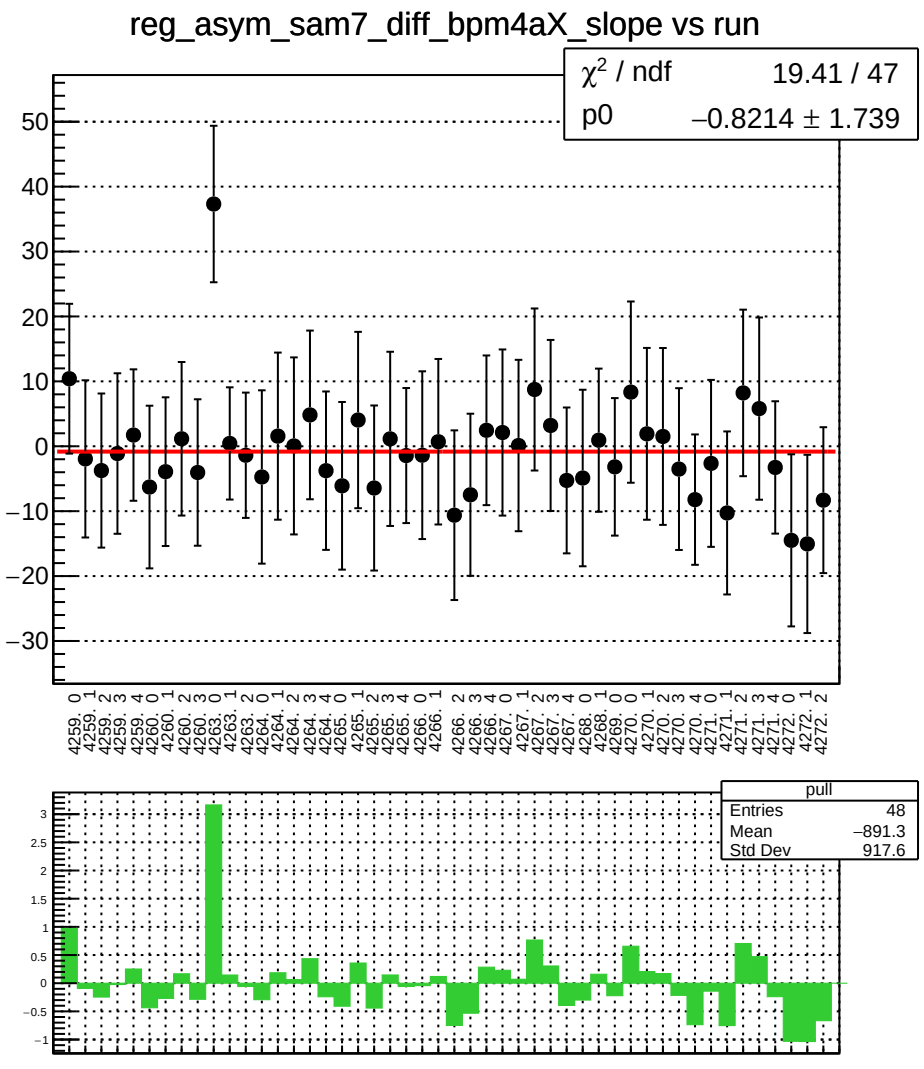

pull1D
Entries 48
Mean −0.02207
Std Dev 1.323
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

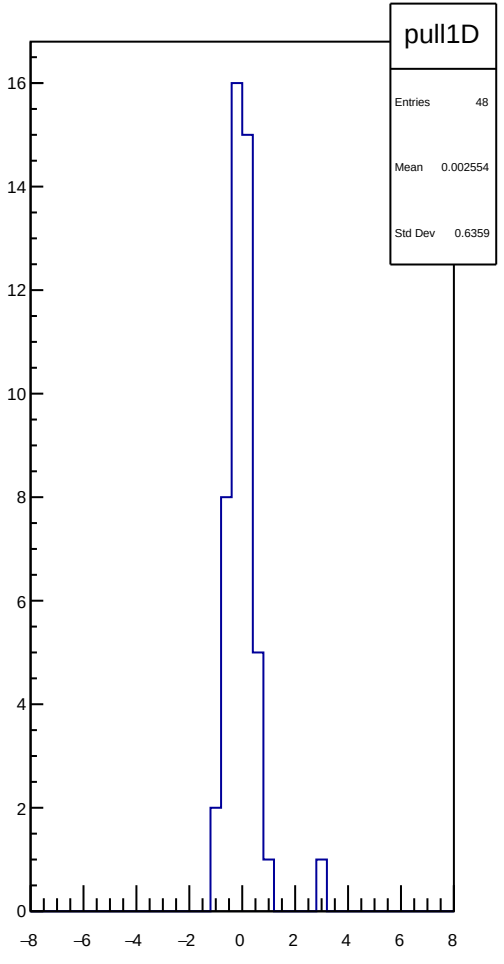

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 55.45 / 47
p0 117.2 ± 3.58
250
200
150
100
50
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 25.26
Std Dev 36
4
3
2
1
0
−1

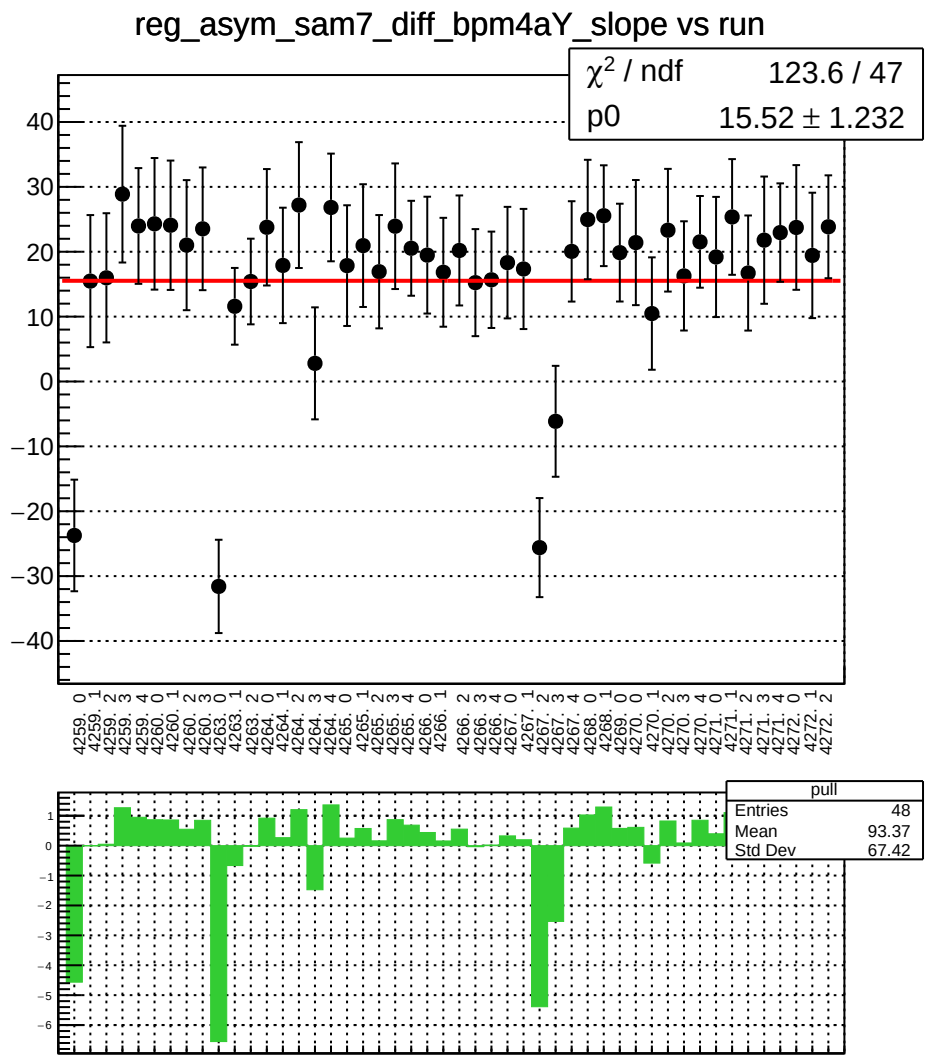

pull1D
Entries 48
Mean −0.03867
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

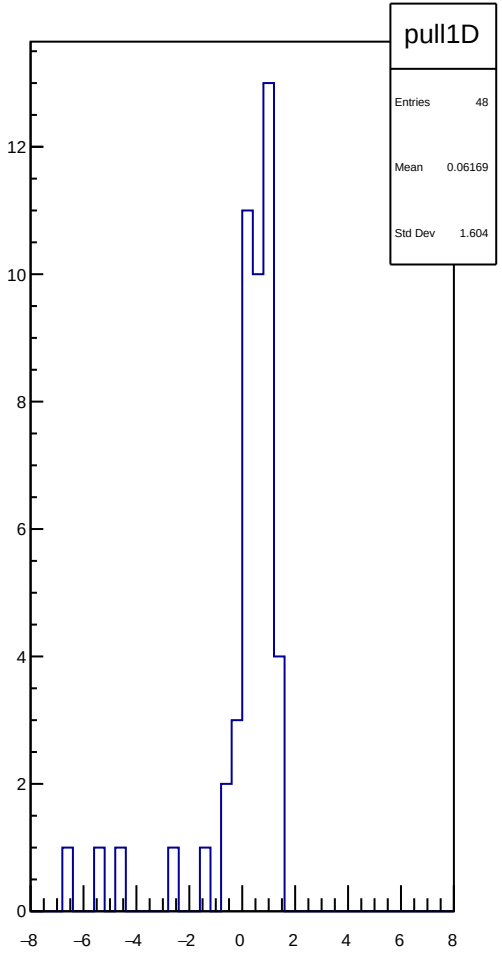

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 5.585 / 47
p0 −12.16 ± 0.7062
pull
Entries 48
Mean 283.2
Std Dev 252.3

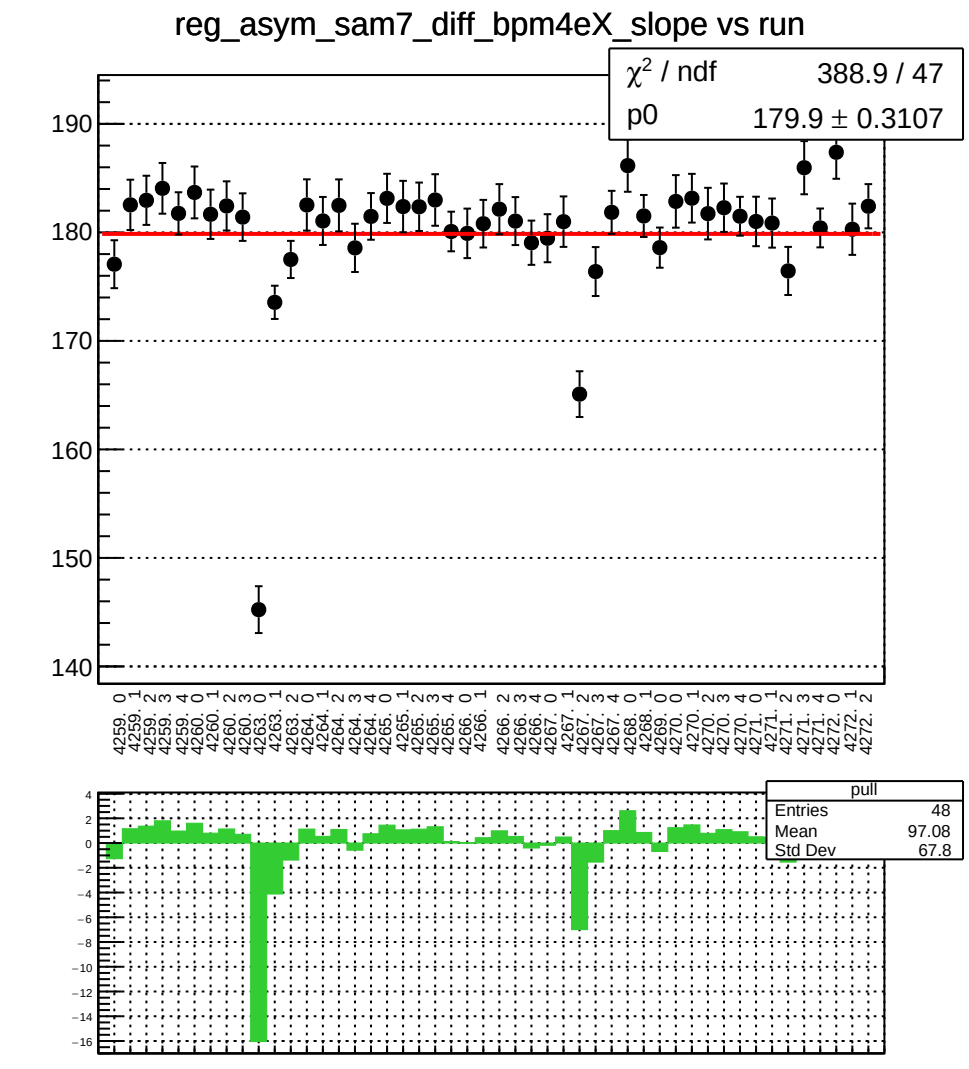

pull1D
Entries 48
Mean −0.004603
Std Dev 0.3411

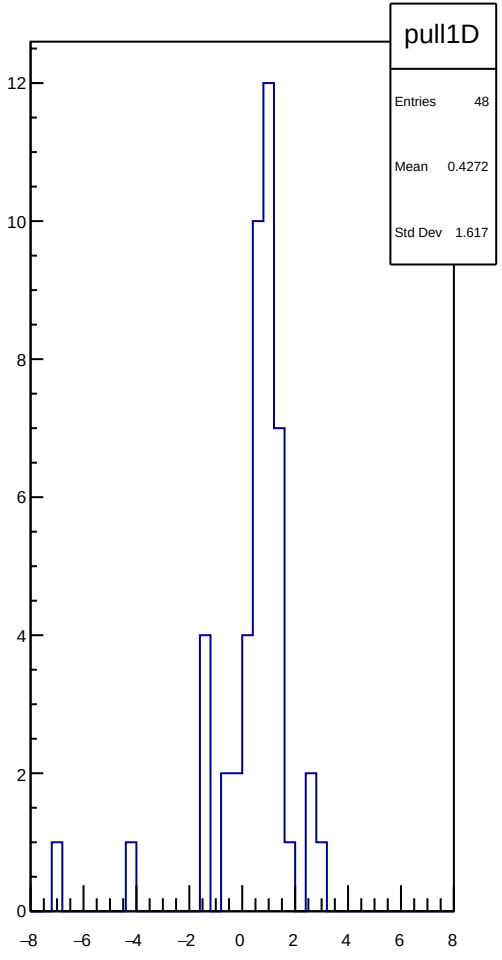

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 19.41 / 47
p0 −0.8214 ± 1.739
pull
Entries 48
Mean −891.3
Std Dev 917.6

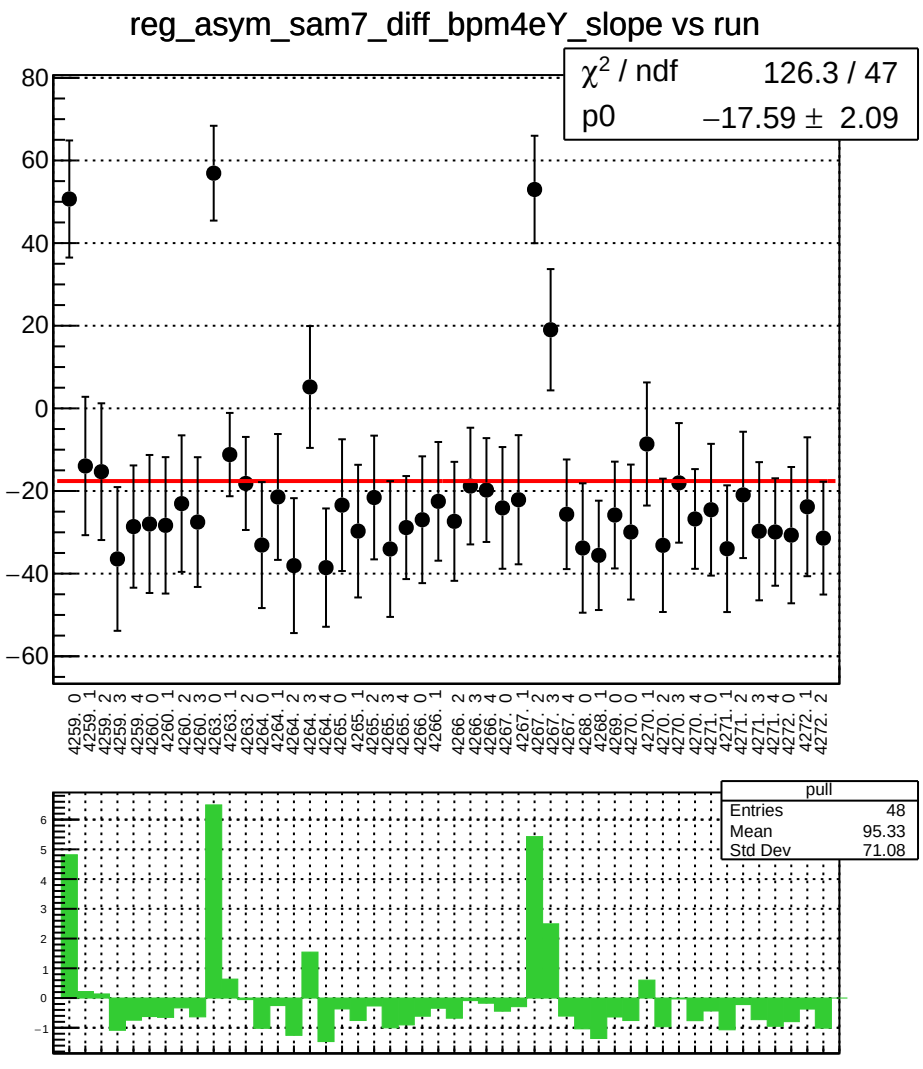

pull1D
Entries 48
Mean 0.002554
Std Dev 0.6359

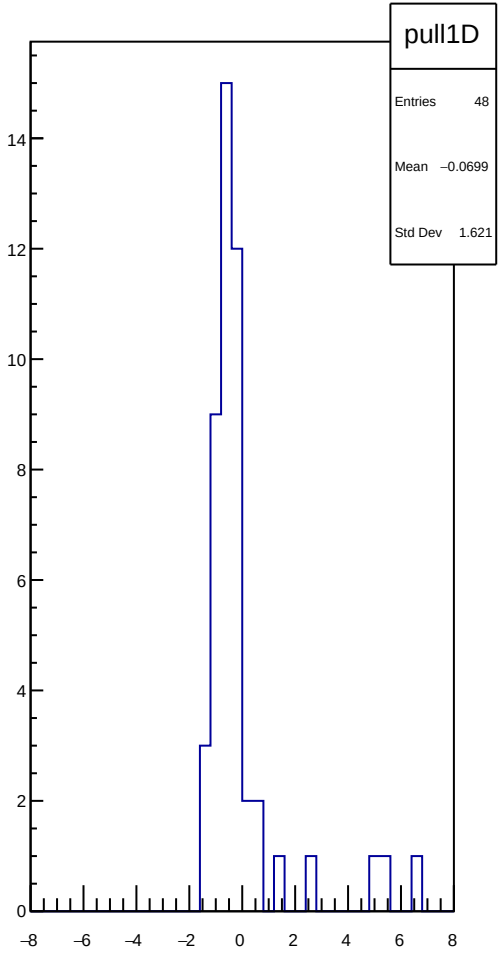

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 123.6 / 47
p0 15.52 ± 1.232
pull
Entries 48
Mean 93.37
Std Dev 67.42

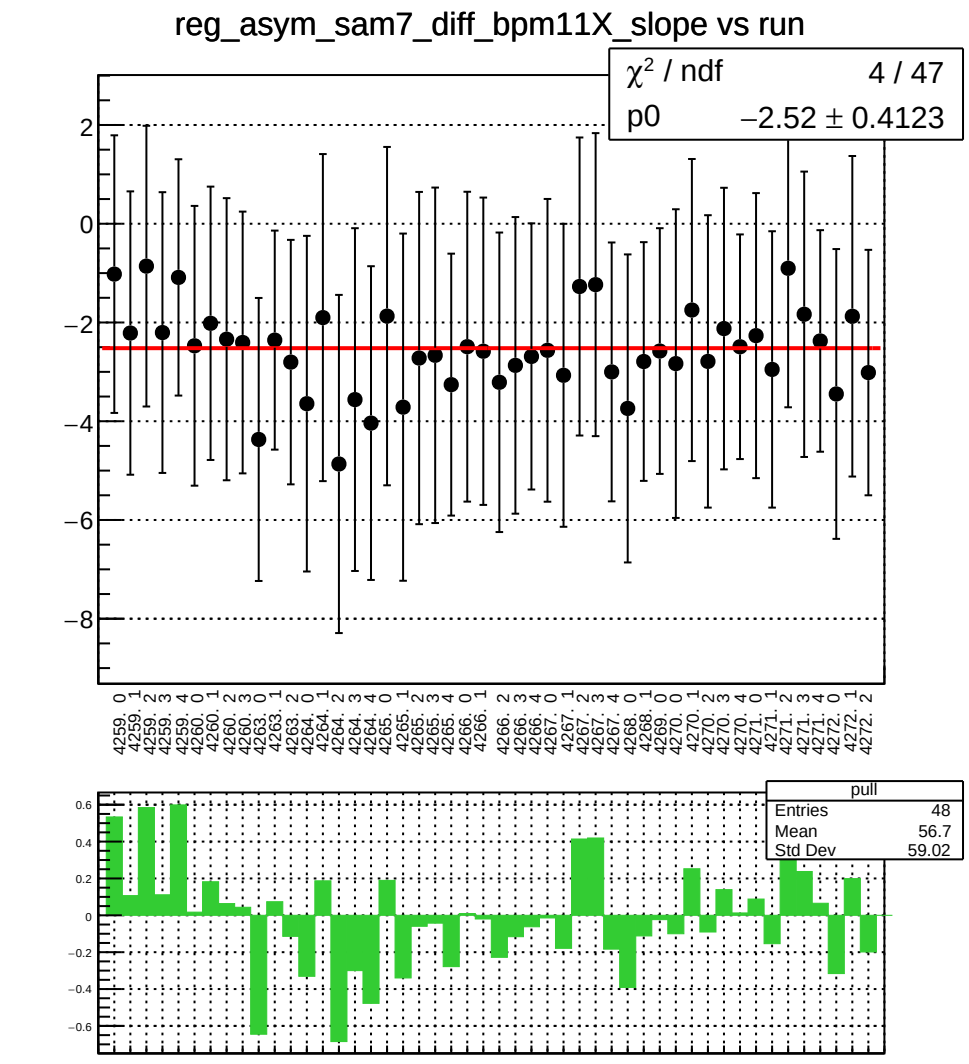

pull1D
Entries 48
Mean 0.06169
Std Dev 1.604

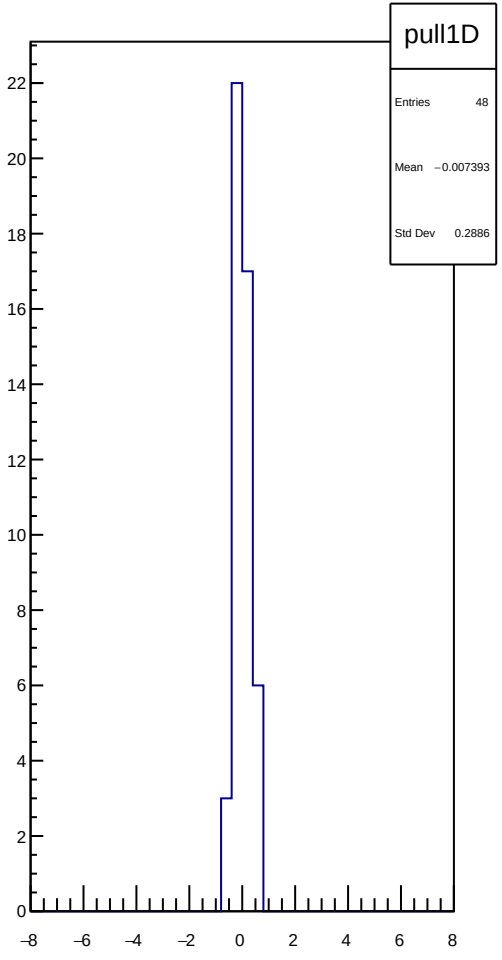

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 388.9 / 47
p0 179.9 ± 0.3107
190
180
170
160
150
140
pull
Entries 48
Mean 97.08
Std Dev 67.8
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16

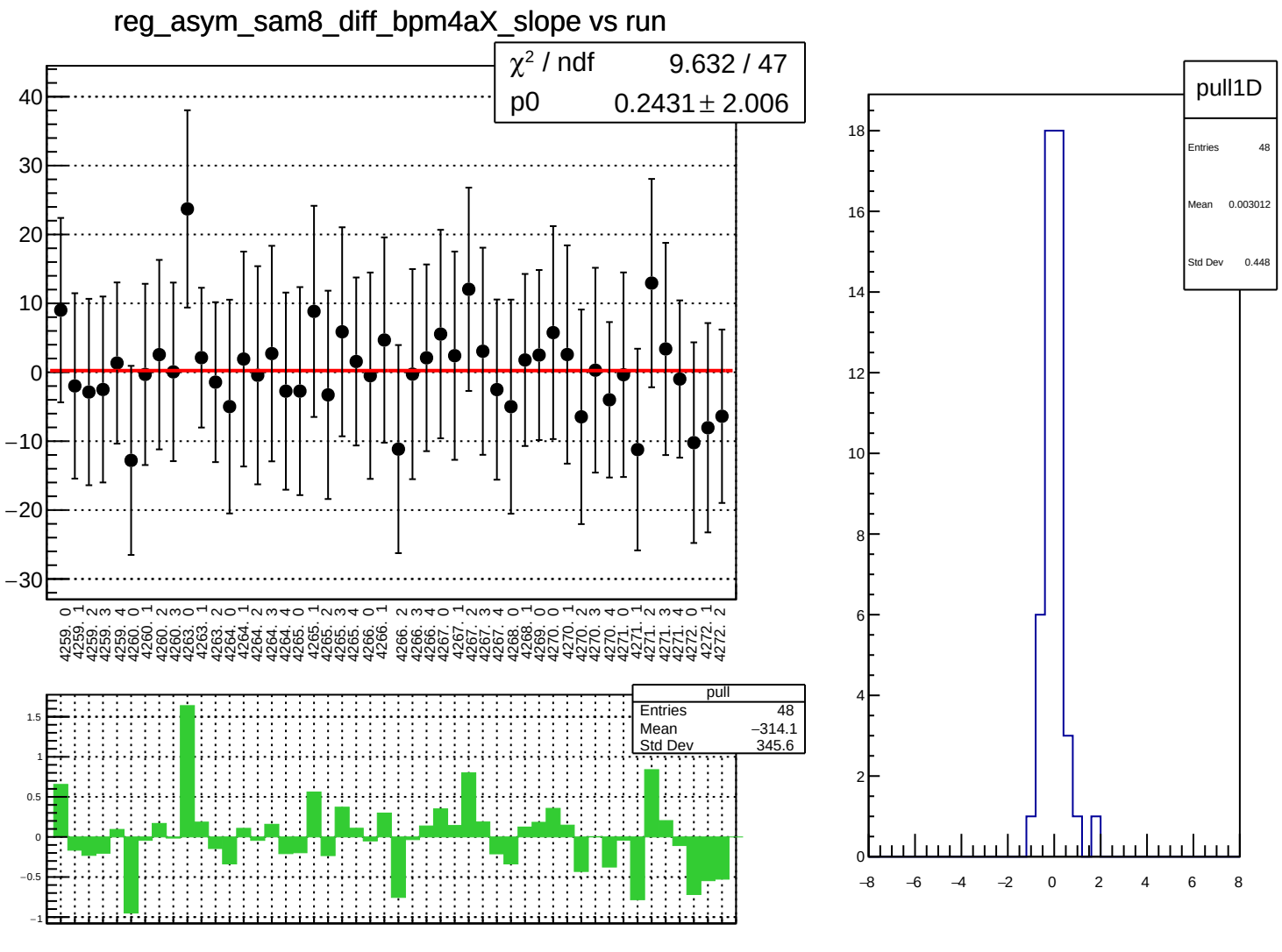

pull1D
Entries 48
Mean 0.4272
Std Dev 1.617
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

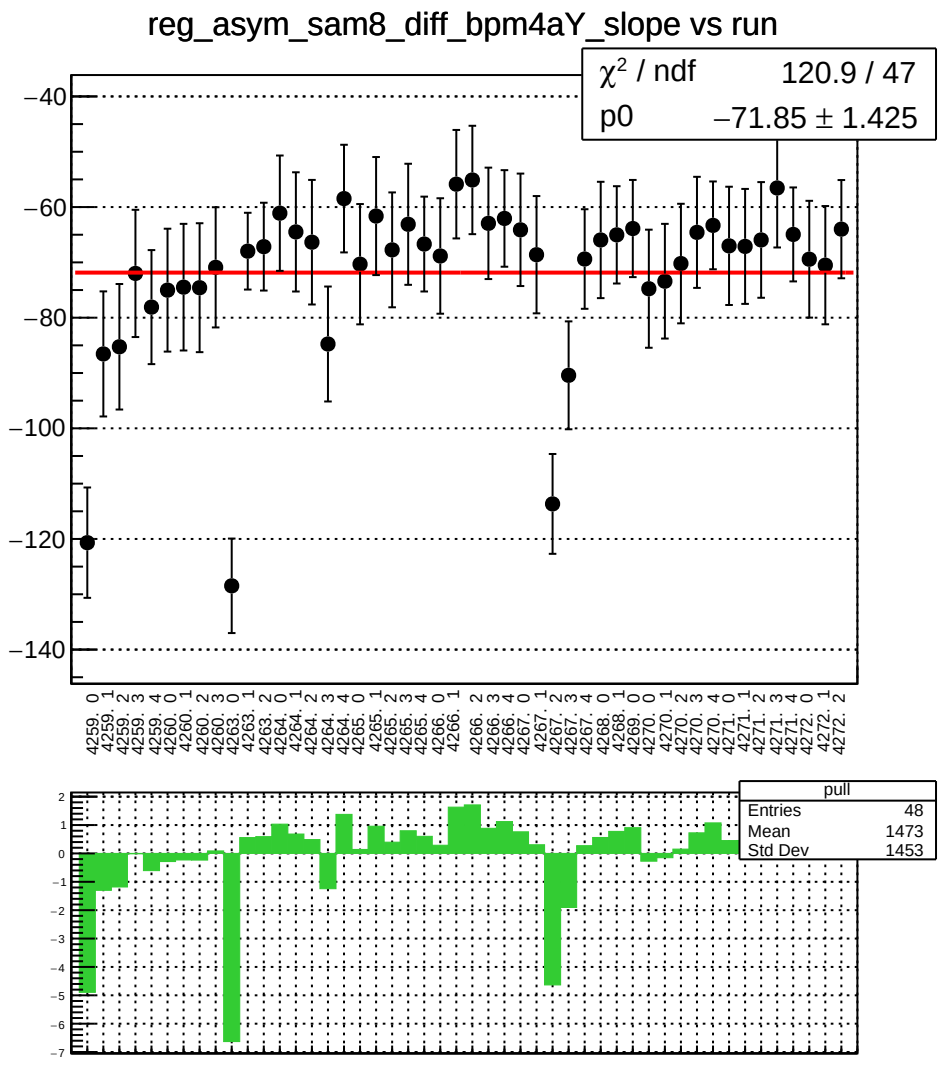

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 126.3 / 47
p0 −17.59 ± 2.09
pull
Entries 48
Mean 95.33
Std Dev 71.08

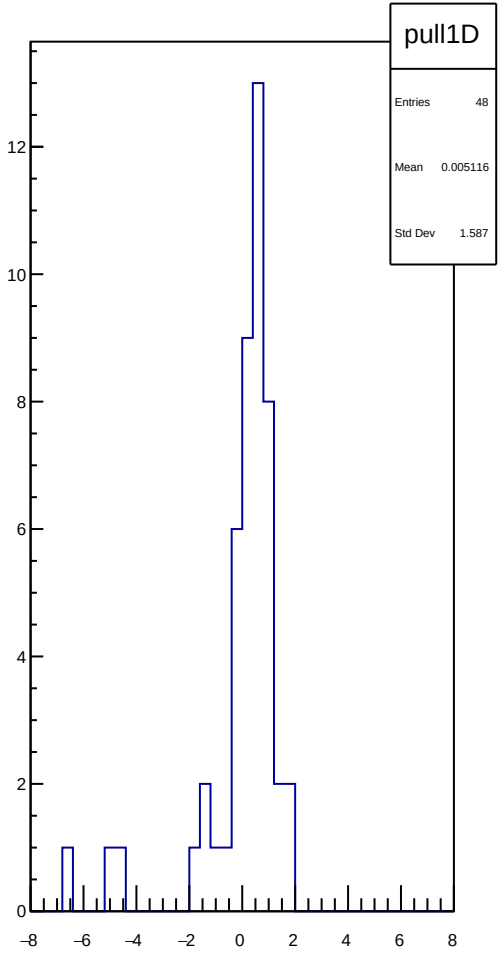

pull1D
Entries 48
Mean −0.0699
Std Dev 1.621

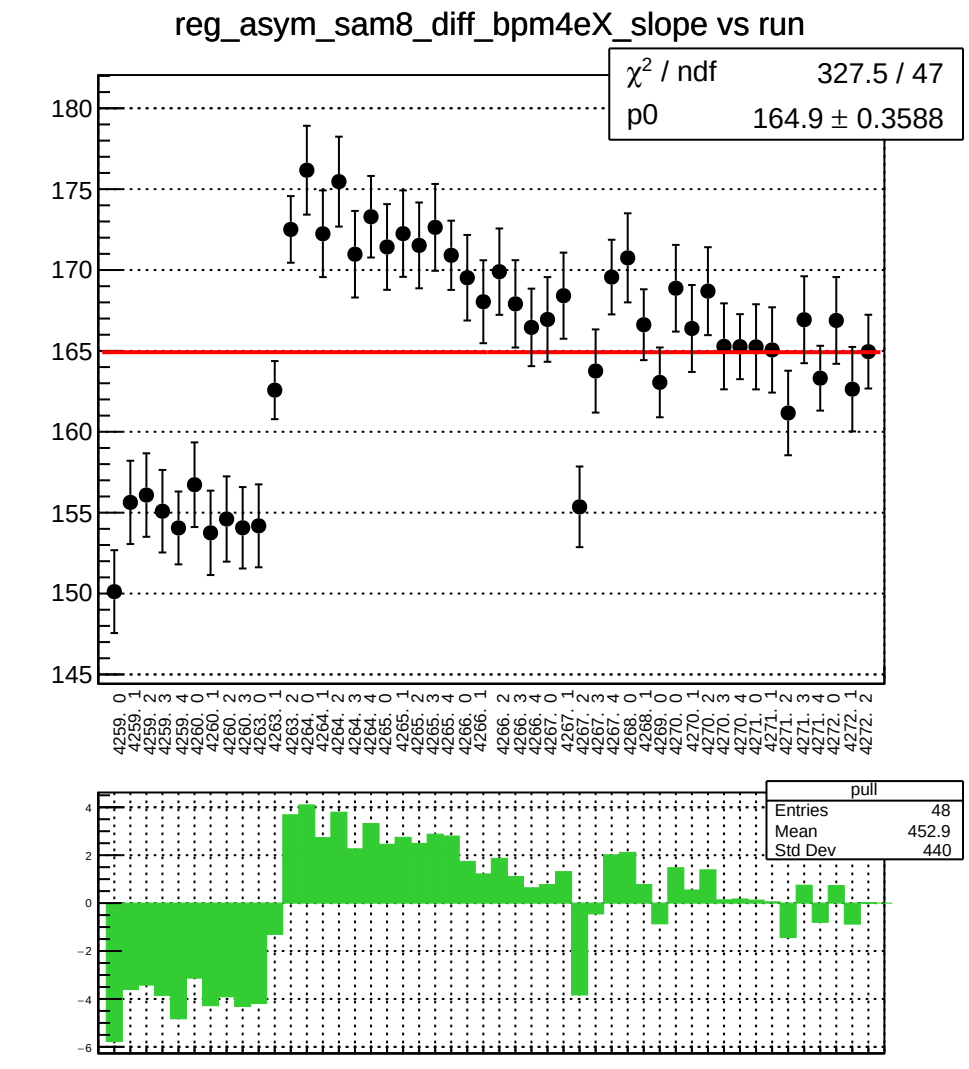

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 4 / 47
p0 −2.52 ± 0.4123
pull
Entries 48
Mean 56.7
Std Dev 59.02

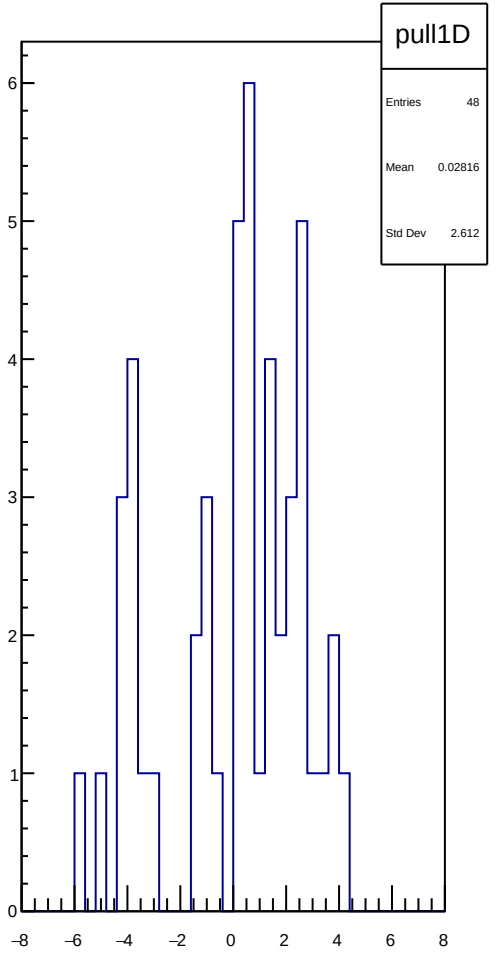

pull1D
Entries 48
Mean −0.007393
Std Dev 0.2886

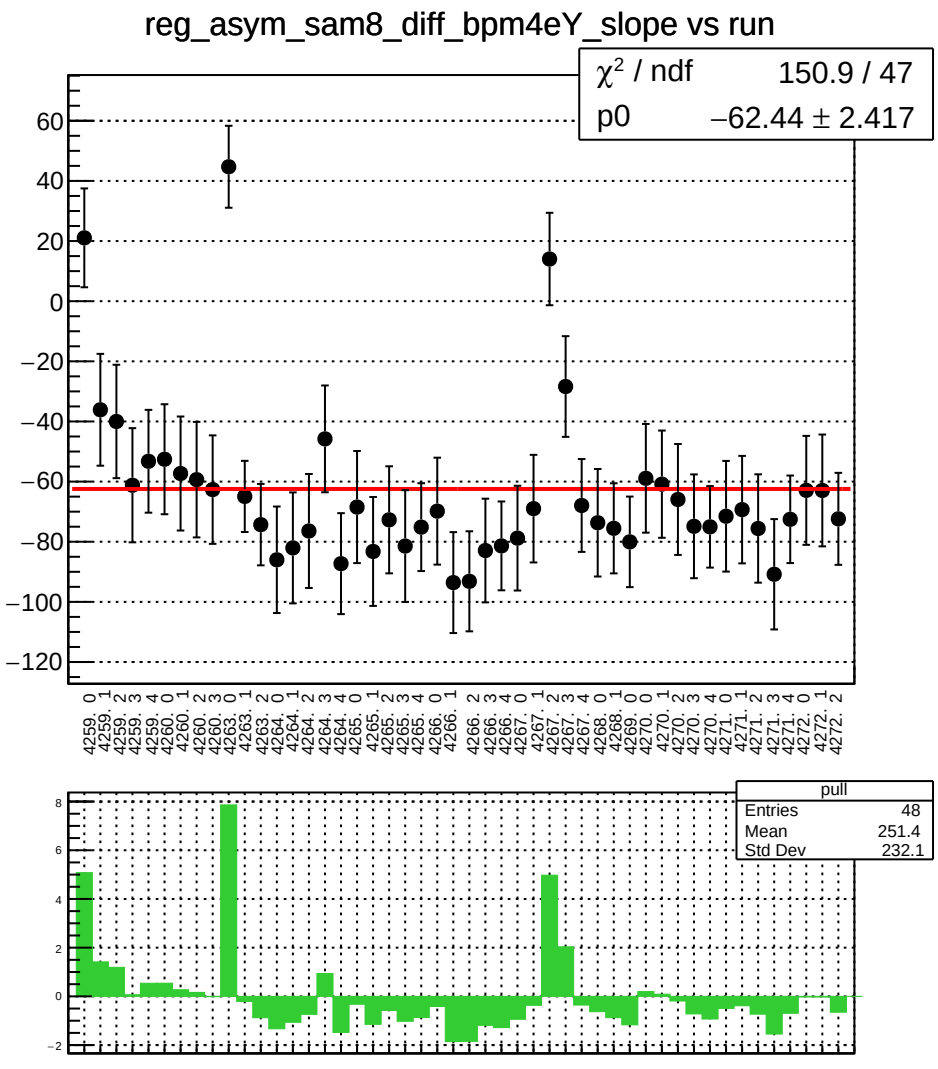

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 9.632 / 47
p0 0.2431 ± 2.006
pull
Entries 48
Mean −314.1
Std Dev 345.6
pull1D
Entries 48
Mean 0.003012
Std Dev 0.448

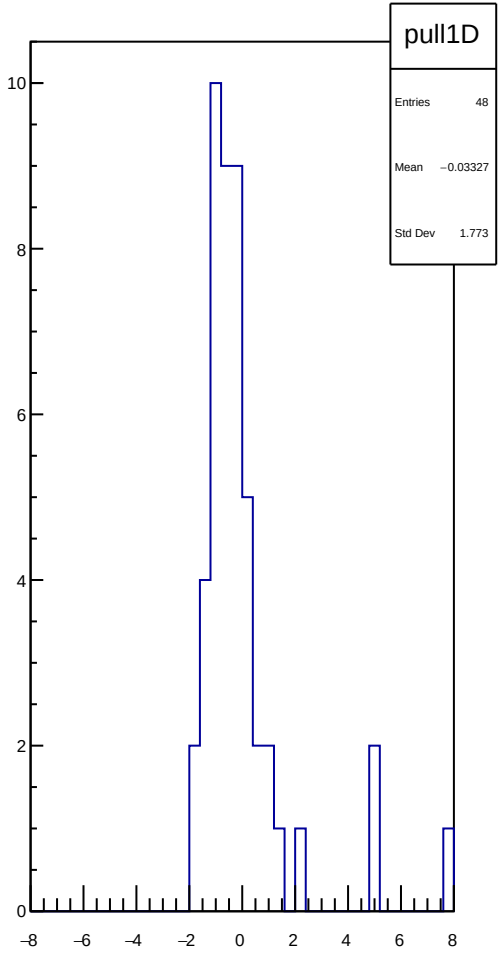

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 120.9 / 47
p0 −71.85 ± 1.425
pull
Entries 48
Mean 1473
Std Dev 1453

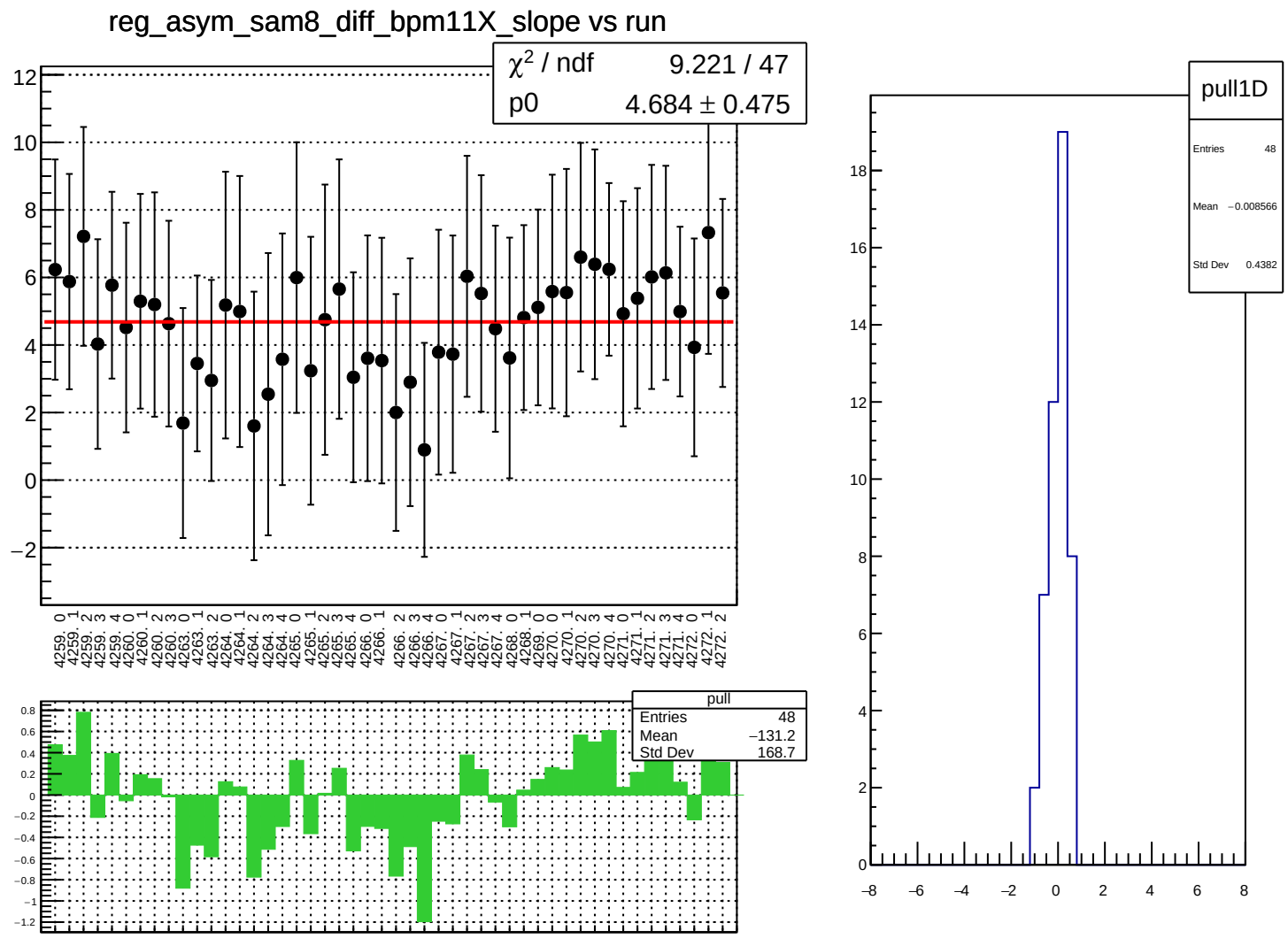

pull1D
Entries 48
Mean 0.005116
Std Dev 1.587

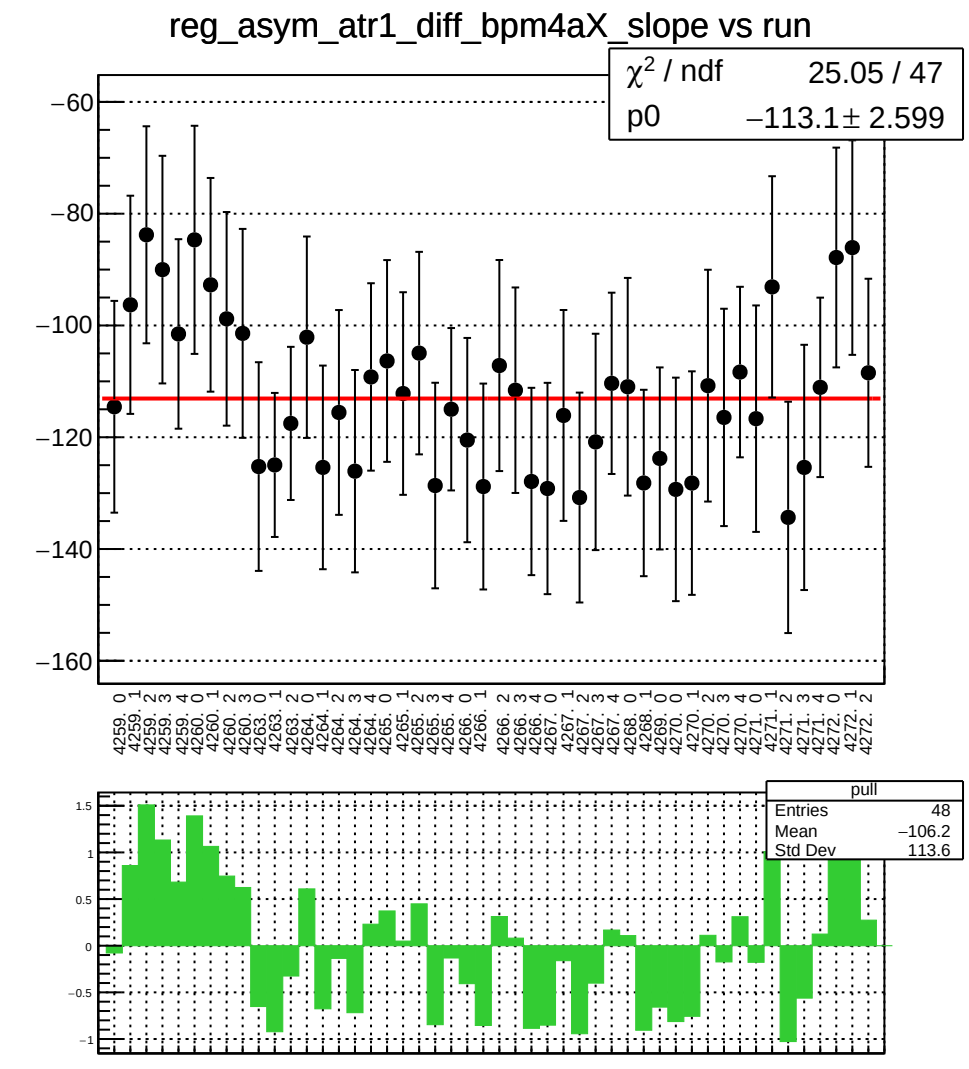

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 327.5 / 47
p0 164.9 ± 0.3588
pull
Entries 48
Mean 452.9
Std Dev 440

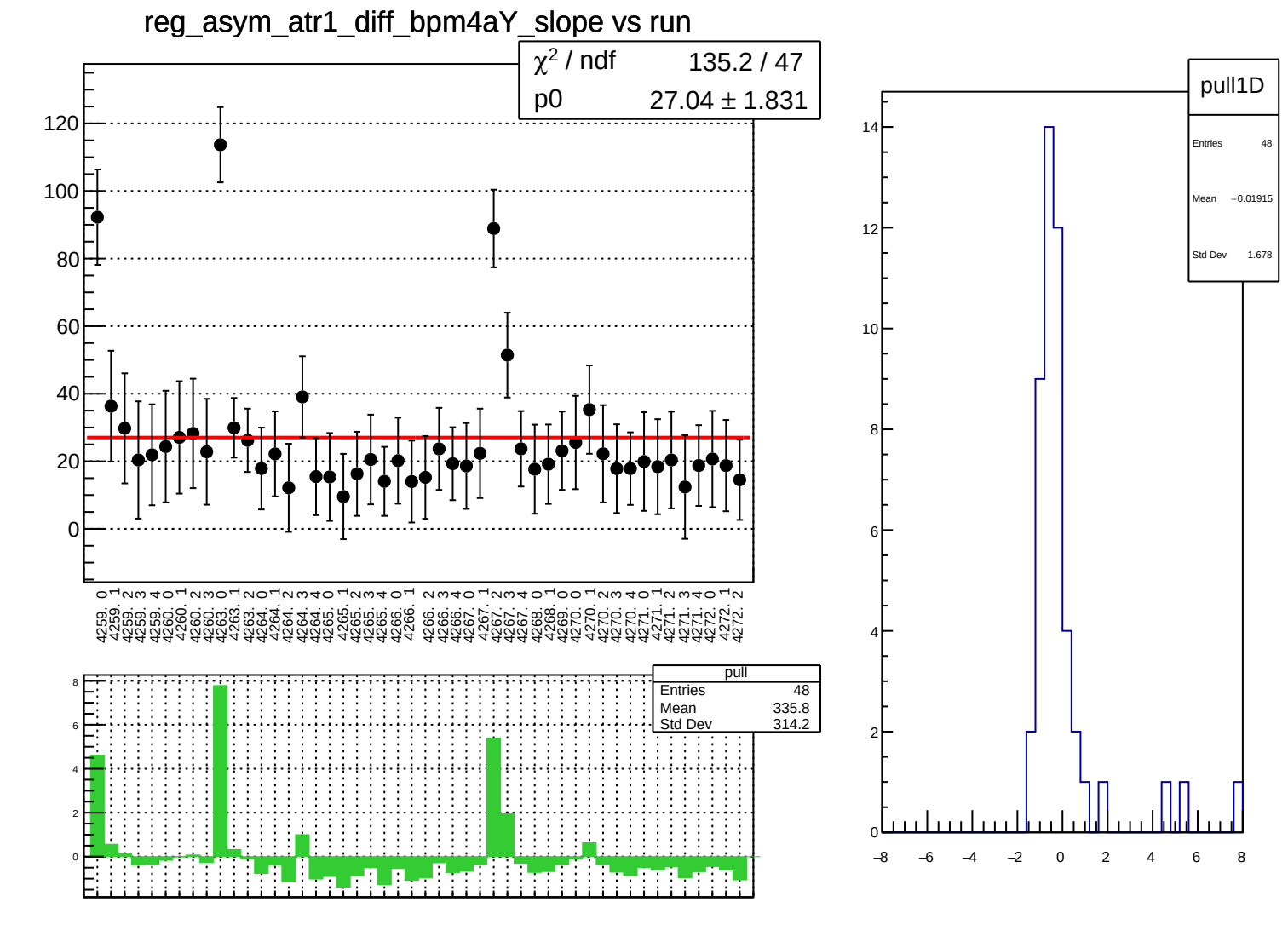

pull1D
Entries 48
Mean 0.02816
Std Dev 2.612

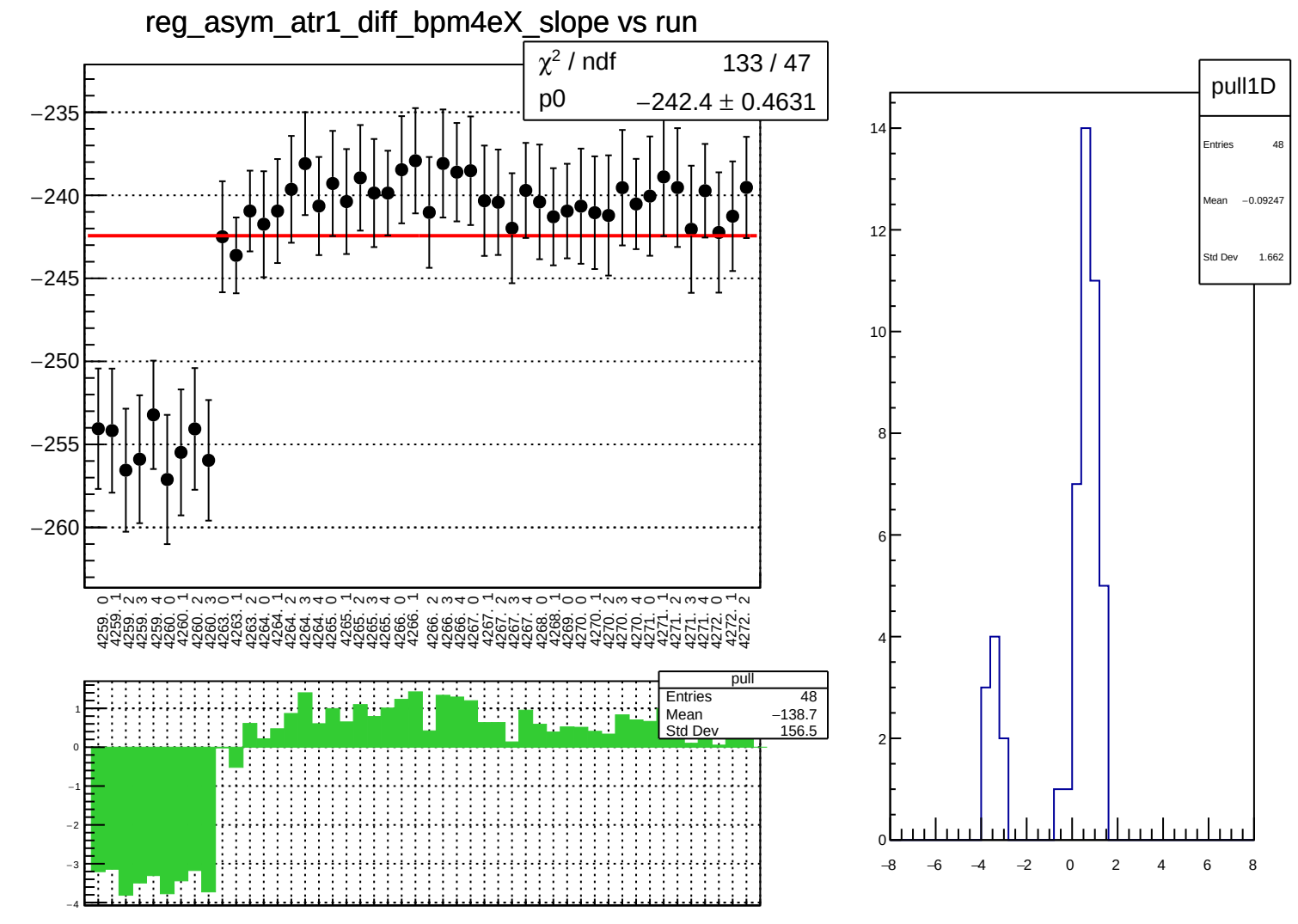

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 150.9 / 47
p0 −62.44 ± 2.417
pull
Entries 48
Mean 251.4
Std Dev 232.1

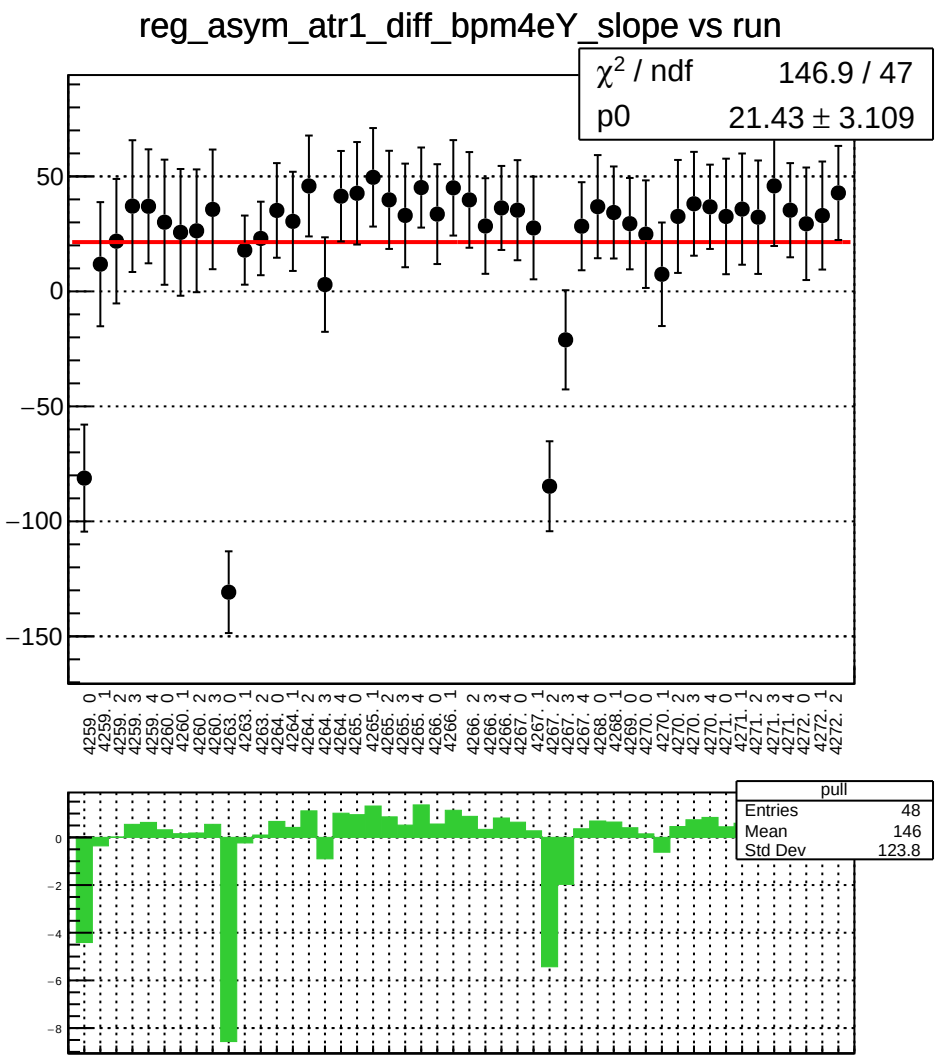

pull1D
Entries 48
Mean −0.03327
Std Dev 1.773

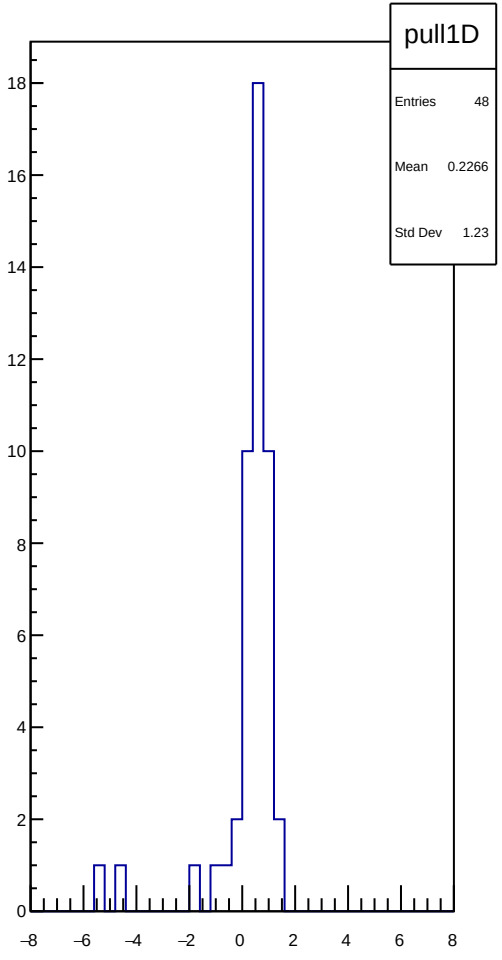

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 9.221 / 47
p0 4.684 ± 0.475
pull
Entries 48
Mean −131.2
Std Dev 168.7
pull1D
Entries 48
Mean −0.008566
Std Dev 0.4382

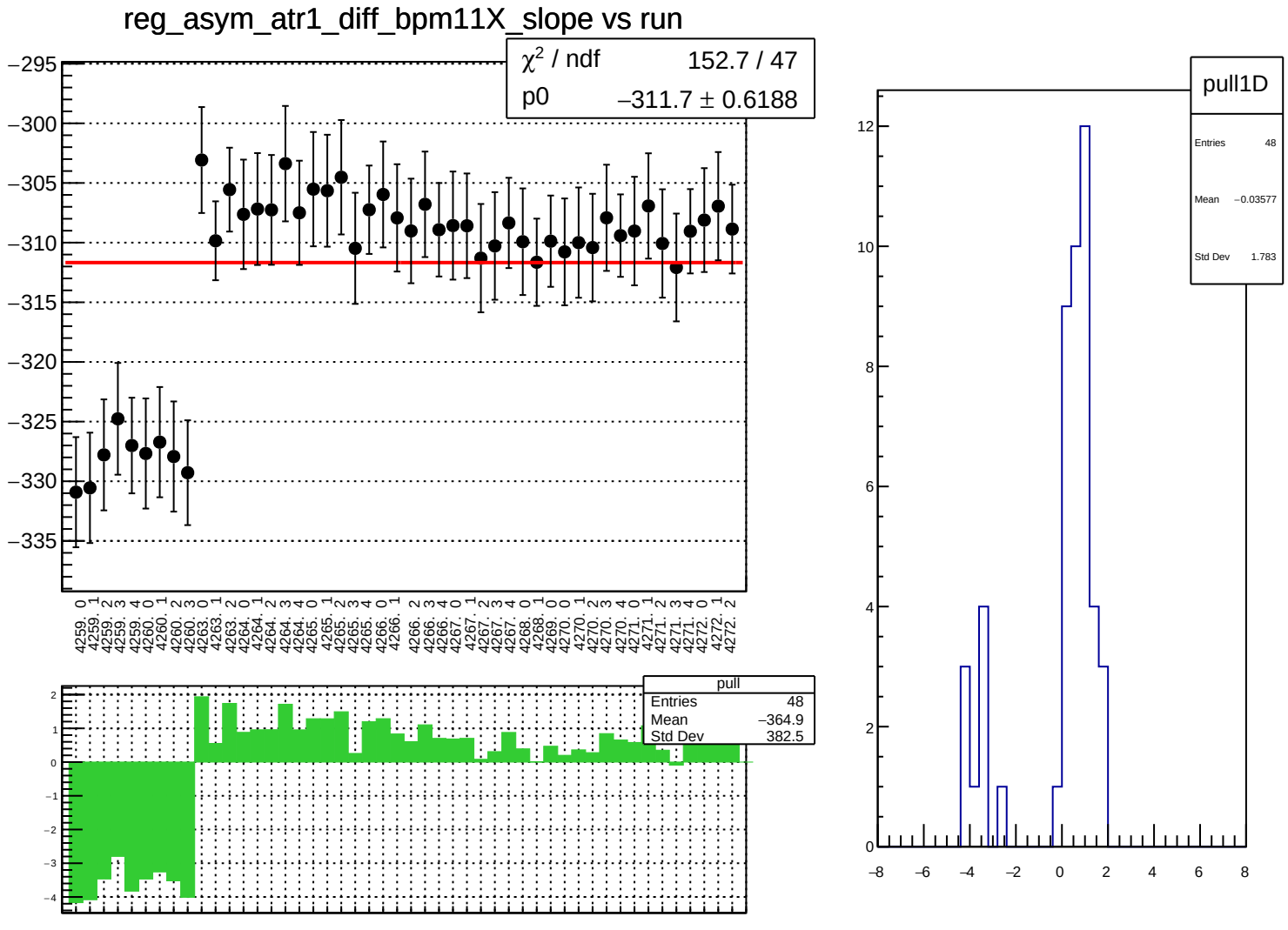

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 25.05 / 47
p0 −113.1 ± 2.599
−60
−80
−100
−120
−140
−160
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −106.2
Std Dev 113.6
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.01764
Std Dev 0.7221
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

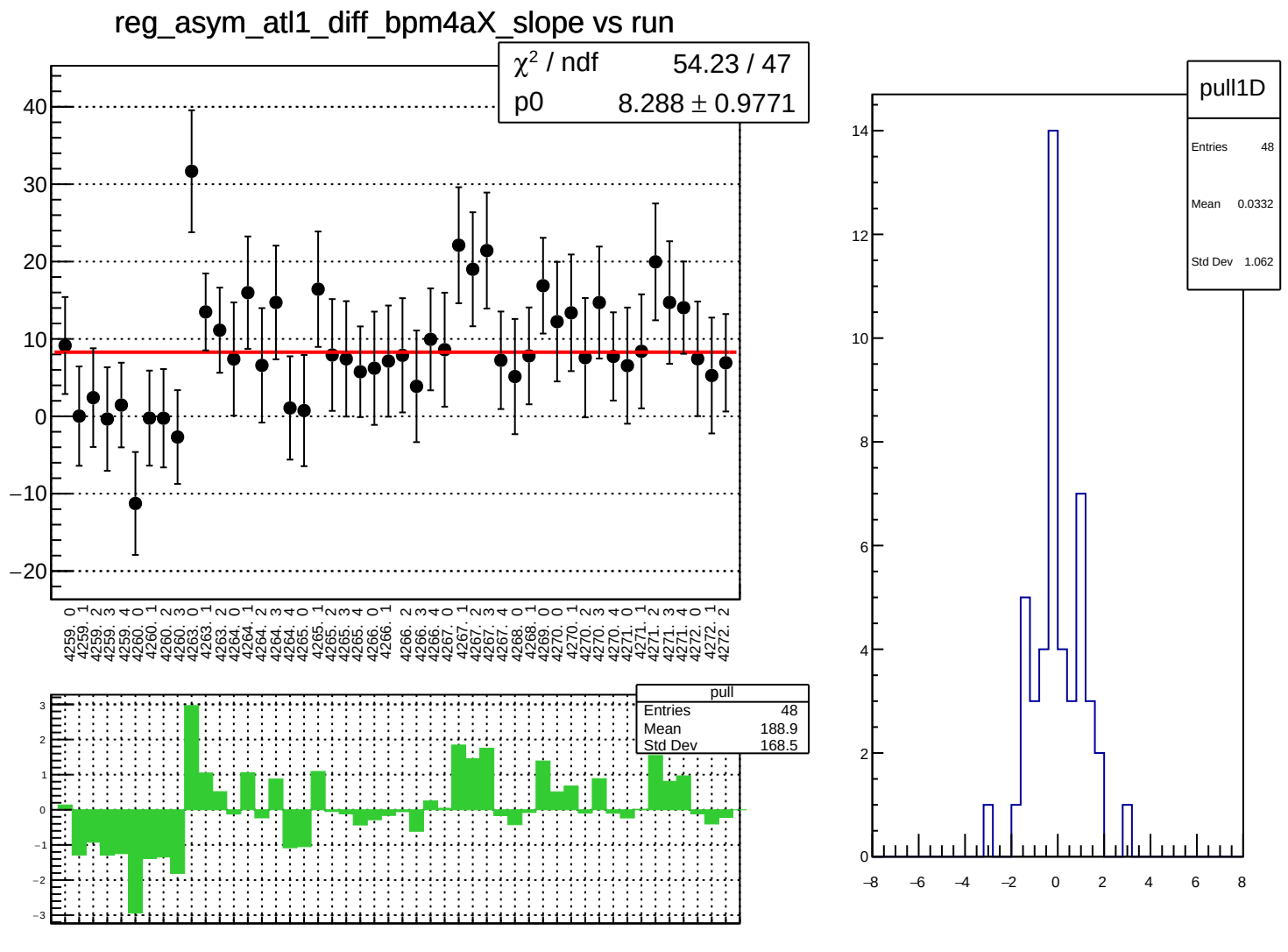

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 135.2 / 47
p0 27.04 ± 1.831
pull
Entries 48
Mean 335.8
Std Dev 314.2
pull1D
Entries 48
Mean −0.01915
Std Dev 1.678

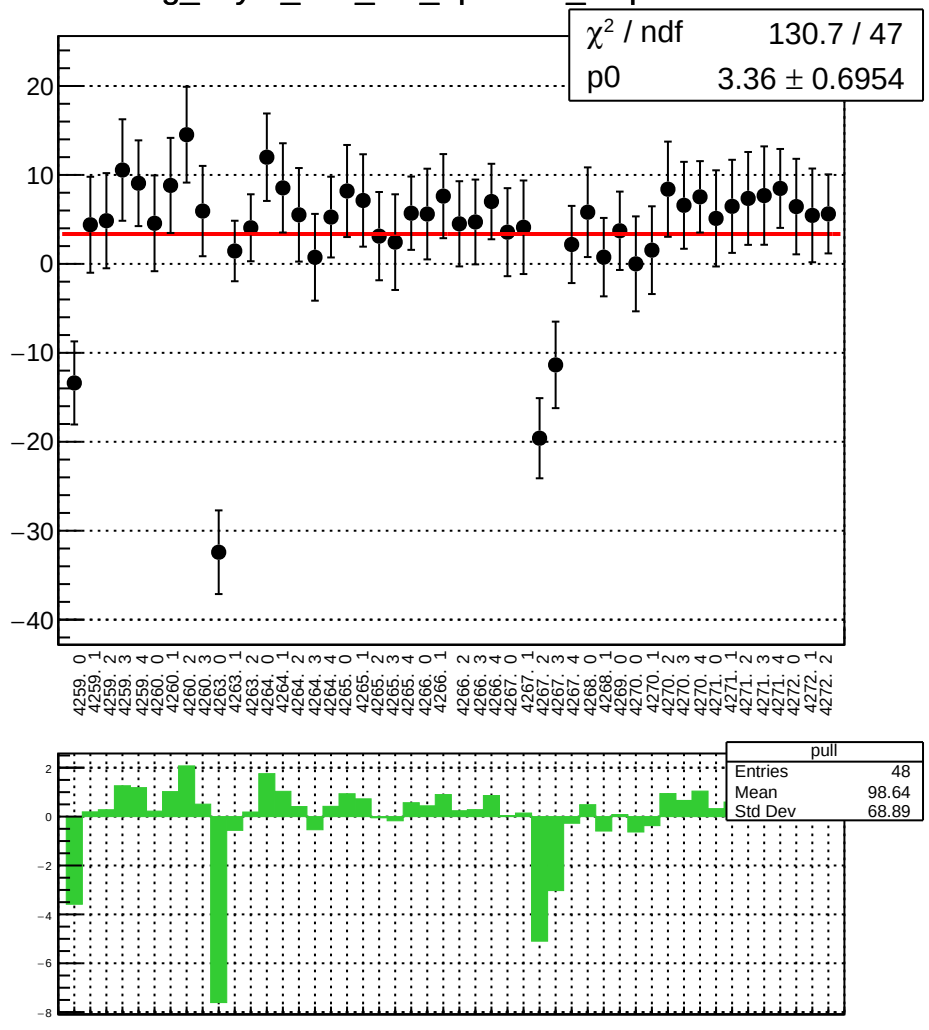

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 133 / 47
p0 −242.4 ± 0.4631
pull
Entries 48
Mean −138.7
Std Dev 156.5
pull1D
Entries 48
Mean −0.09247
Std Dev 1.662

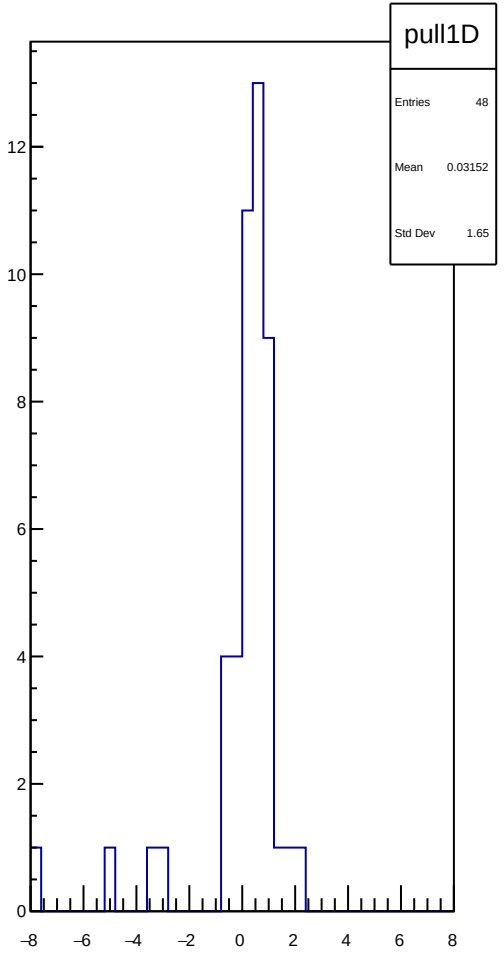

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 146.9 / 47
p0 21.43 ± 3.109
50
0
−50
−100
−150
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 146
Std Dev 123.8
0
−2
−4
−6
−8

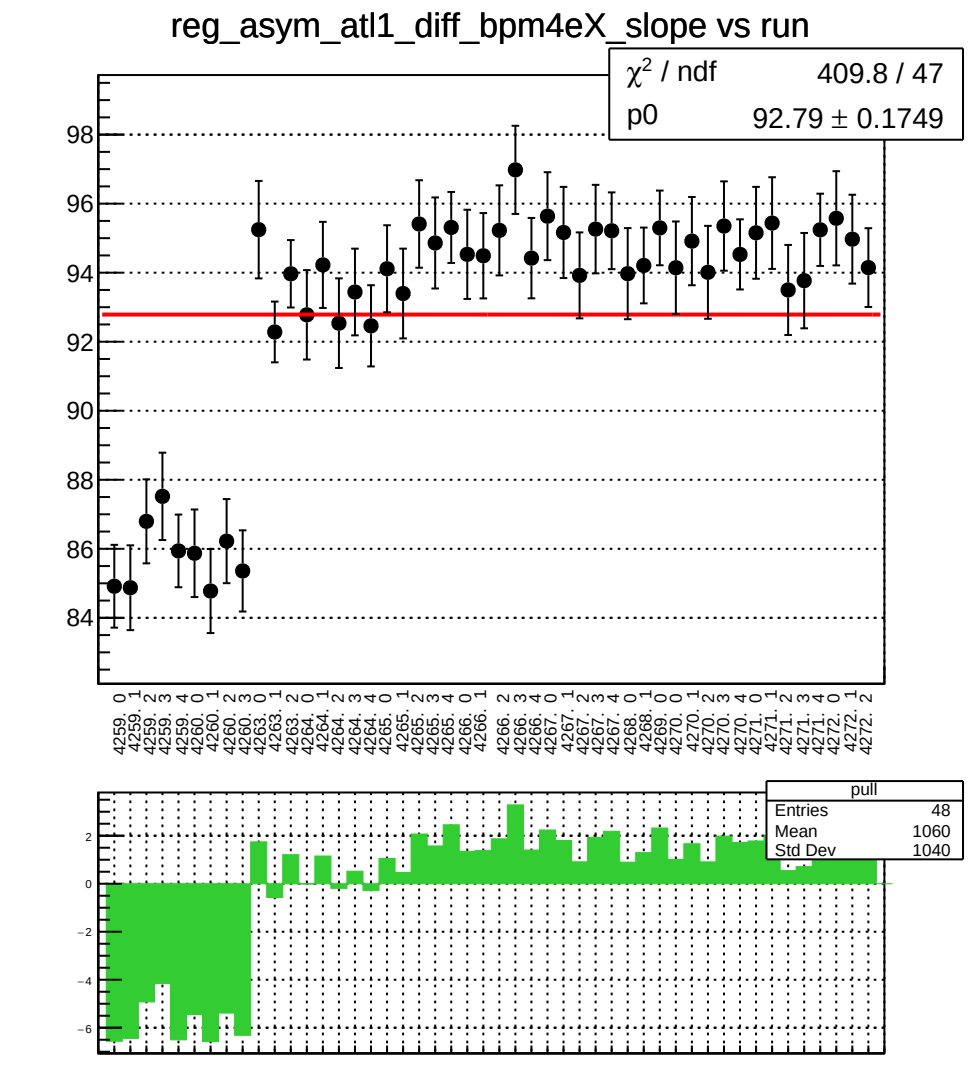

pull1D
Entries 48
Mean 0.2266
Std Dev 1.23
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

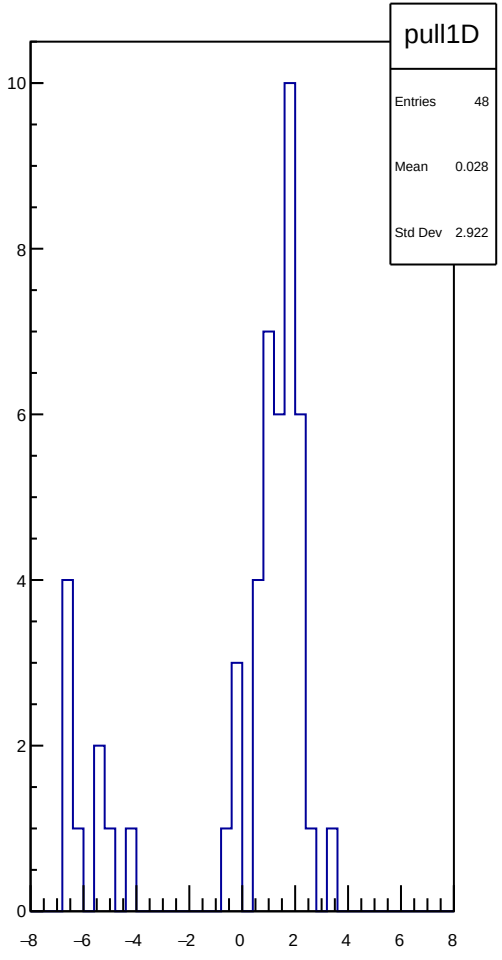

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 152.7 / 47
p0 −311.7 ± 0.6188
pull
Entries 48
Mean −364.9
Std Dev 382.5
pull1D
Entries 48
Mean −0.03577
Std Dev 1.783

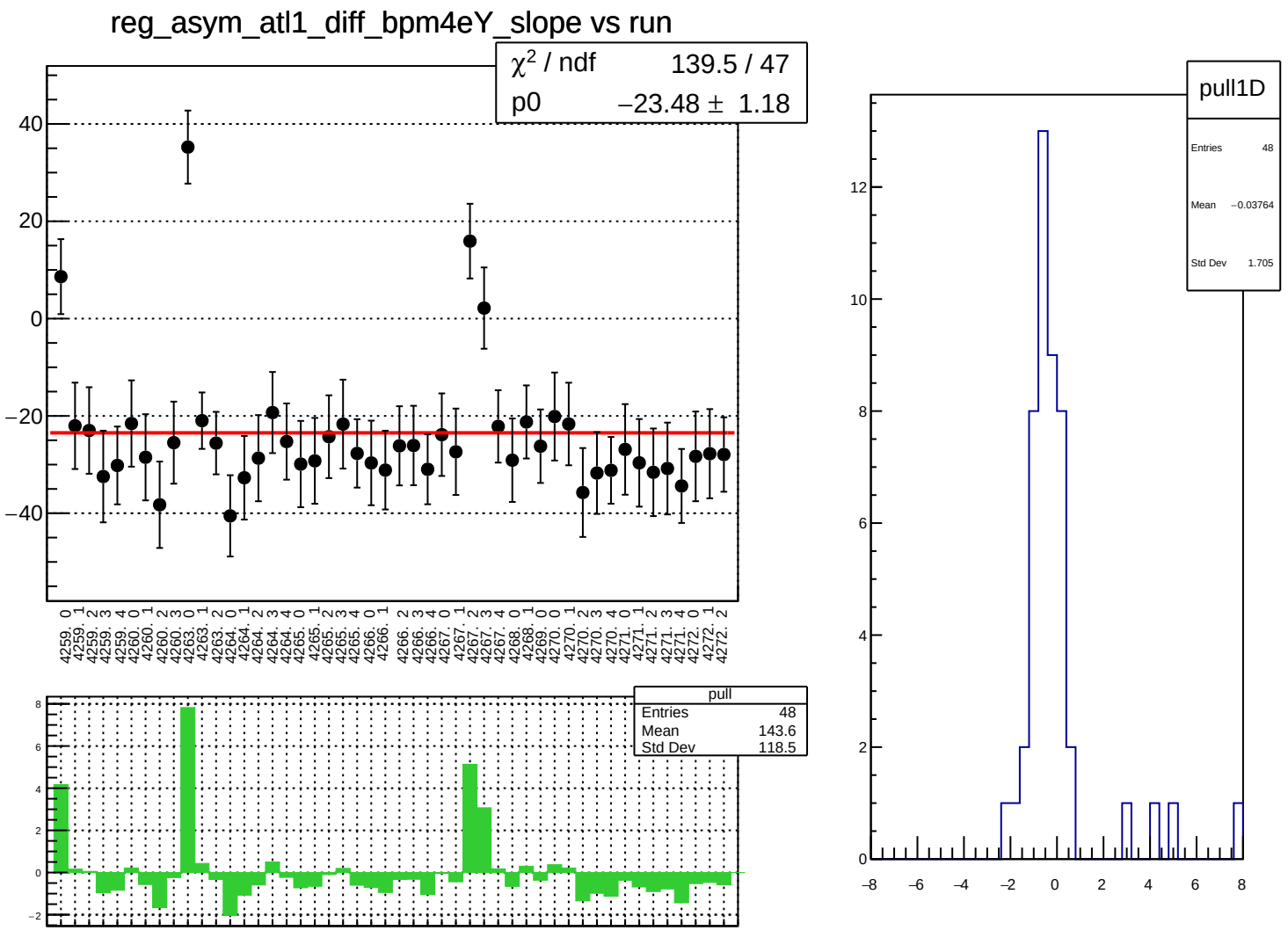

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 54.23 / 47
p0 8.288 ± 0.9771
pull
Entries 48
Mean 188.9
Std Dev 168.5
pull1D
Entries 48
Mean 0.0332
Std Dev 1.062

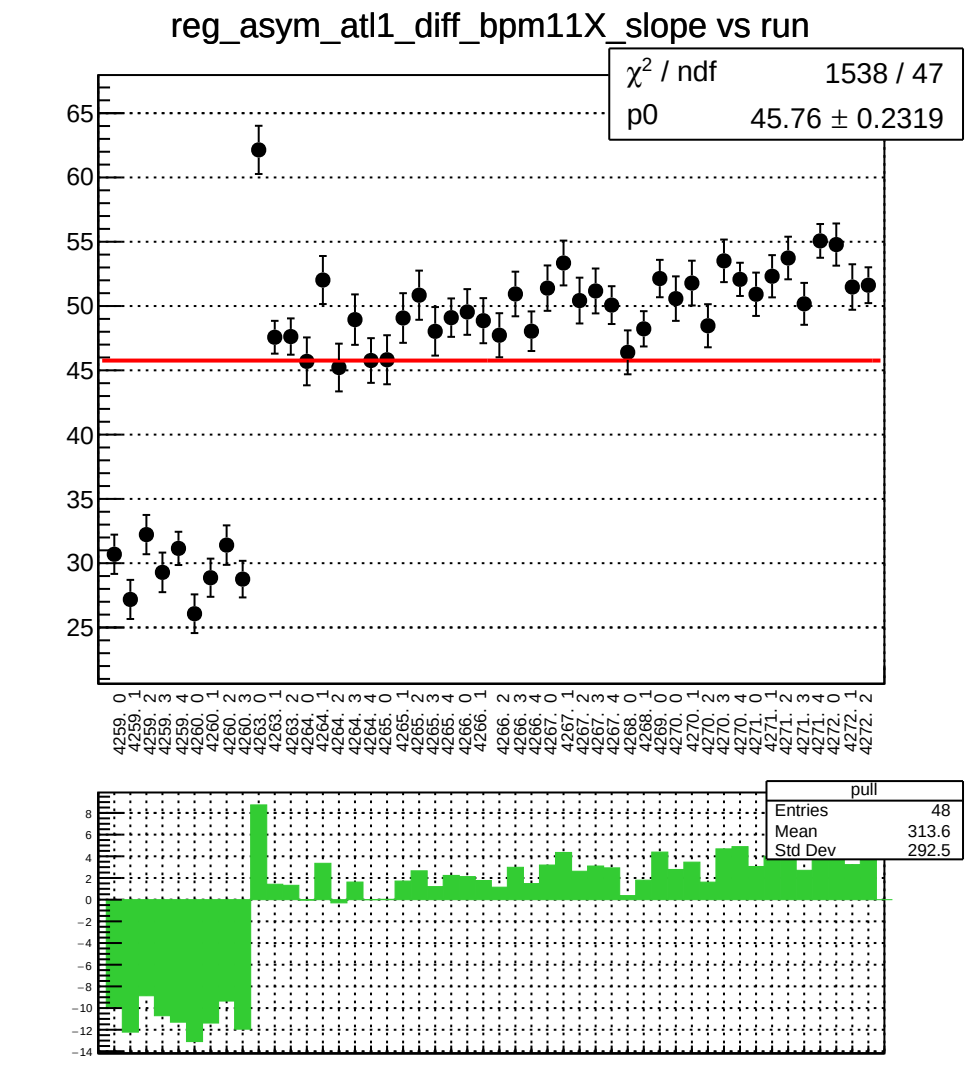

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 130.7 / 47
p0 3.36 ± 0.6954
pull
Entries 48
Mean 98.64
Std Dev 68.89

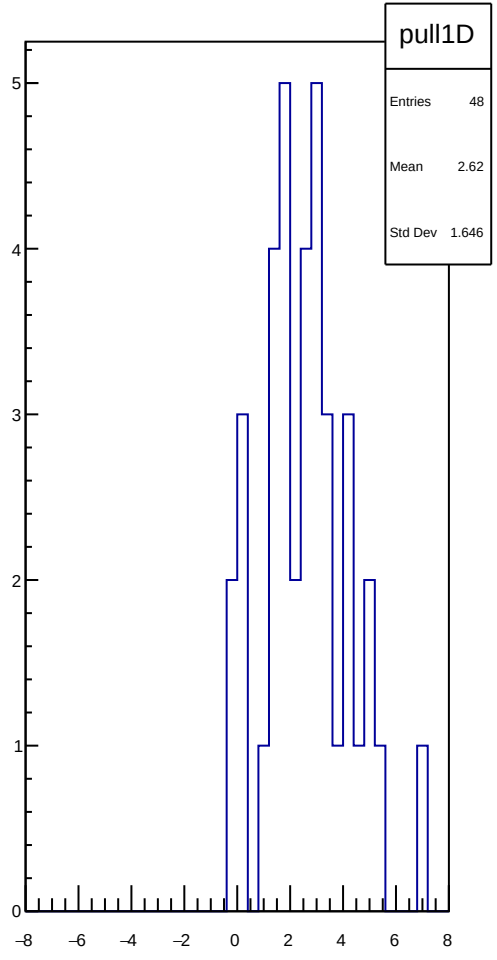

pull1D
Entries 48
Mean 0.03152
Std Dev 1.65

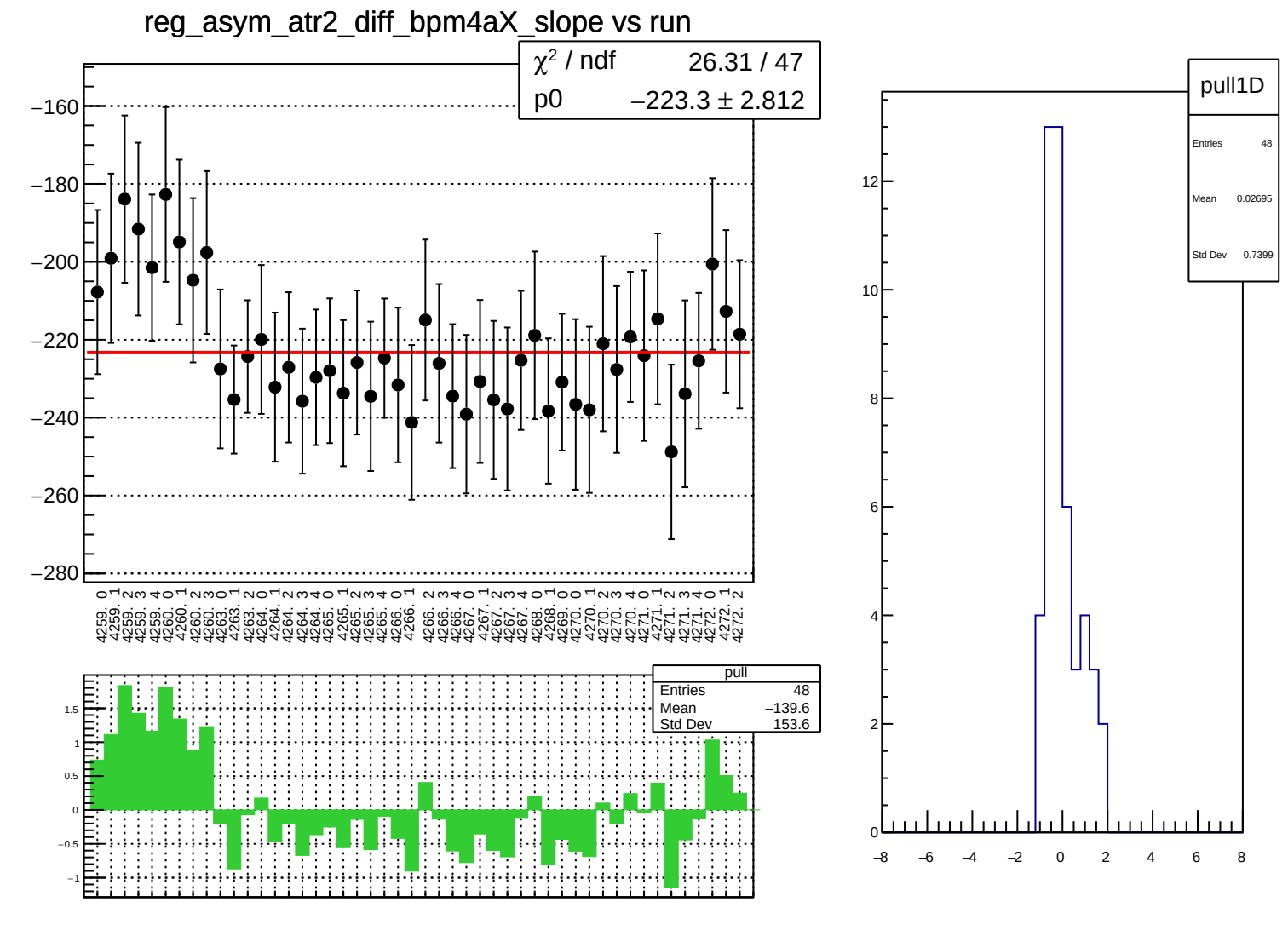

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 409.8 / 47
p0 92.79 ± 0.1749
98
96
94
92
90
88
86
84
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1060
Std Dev 1040
2
0
−2
−4
−6

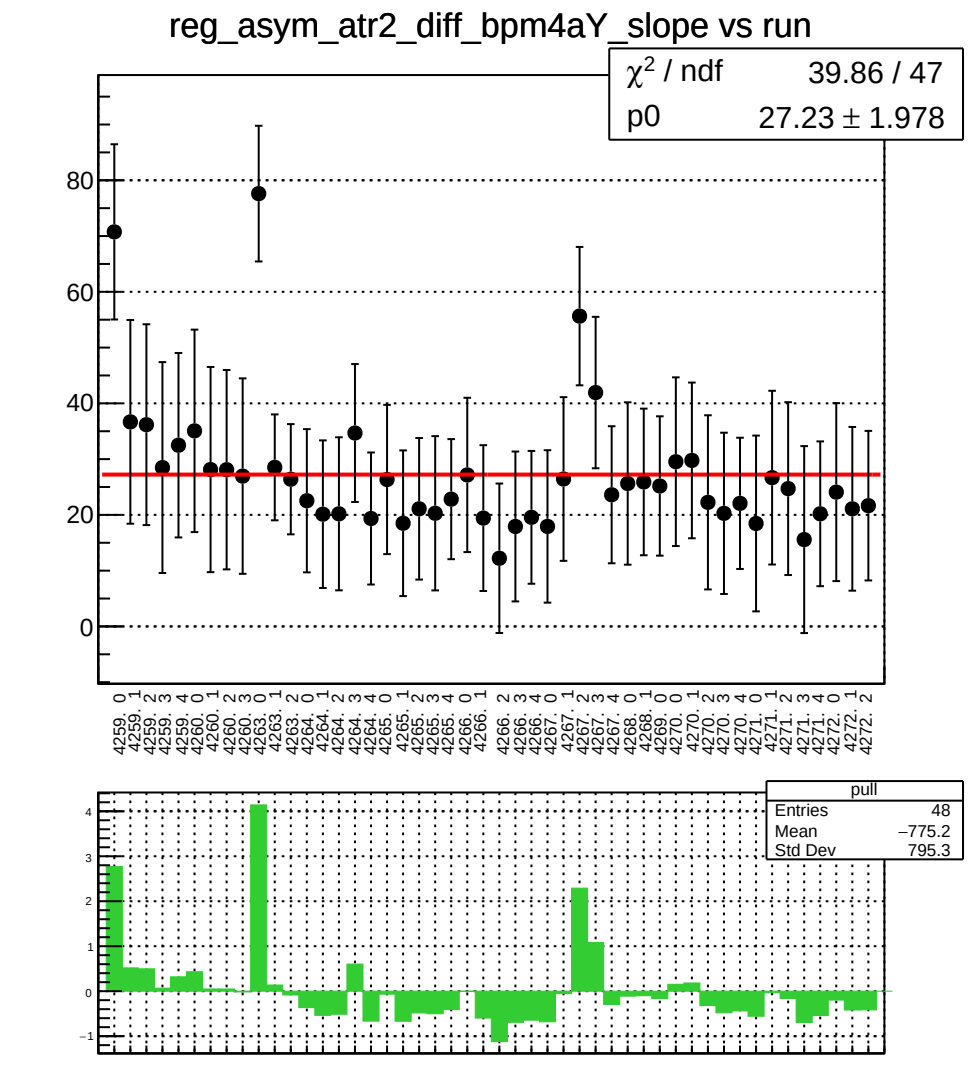

pull1D
Entries 48
Mean 0.028
Std Dev 2.922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

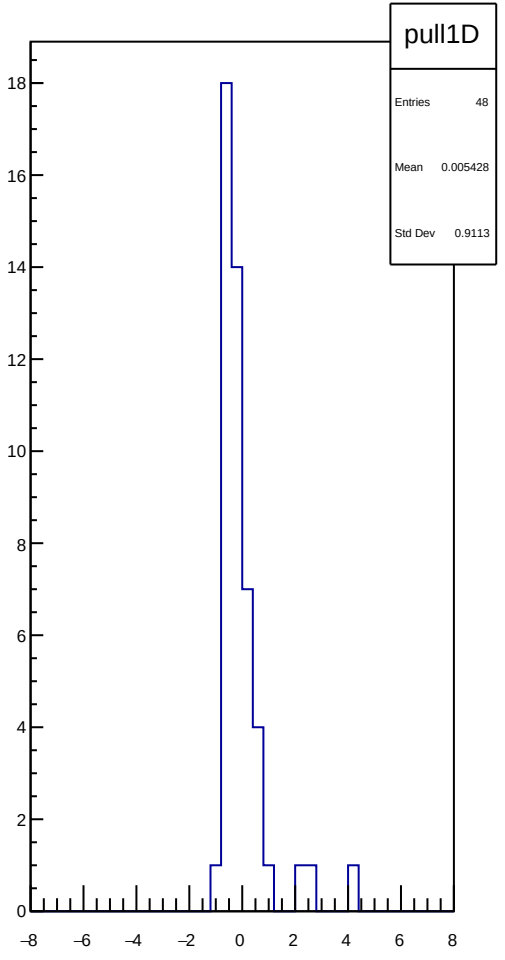

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 139.5 / 47
p0 −23.48 ± 1.18
pull
Entries 48
Mean 143.6
Std Dev 118.5
pull1D
Entries 48
Mean −0.03764
Std Dev 1.705

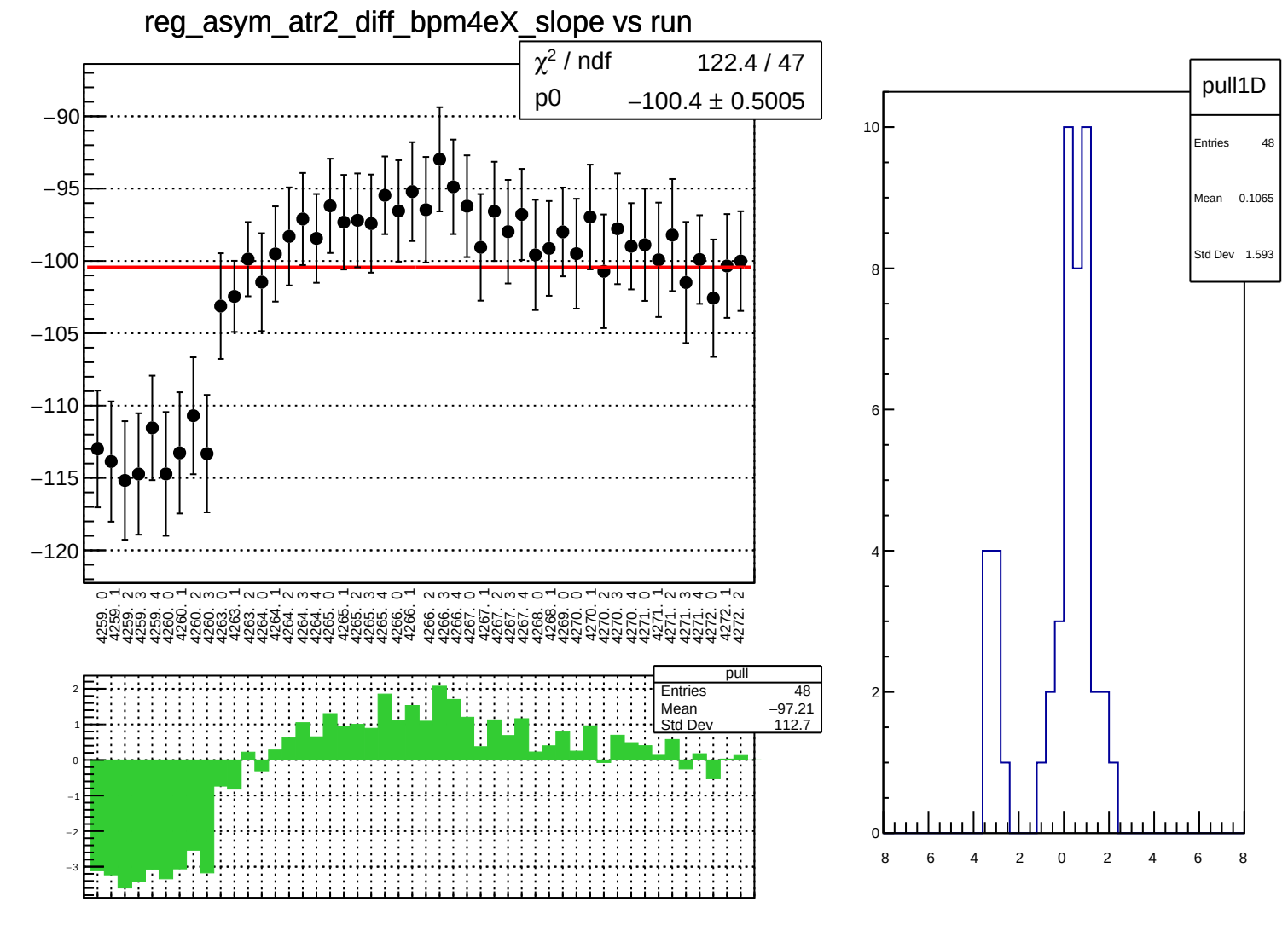

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 1538 / 47
p0 45.76 ± 0.2319
pull
Entries 48
Mean 313.6
Std Dev 292.5

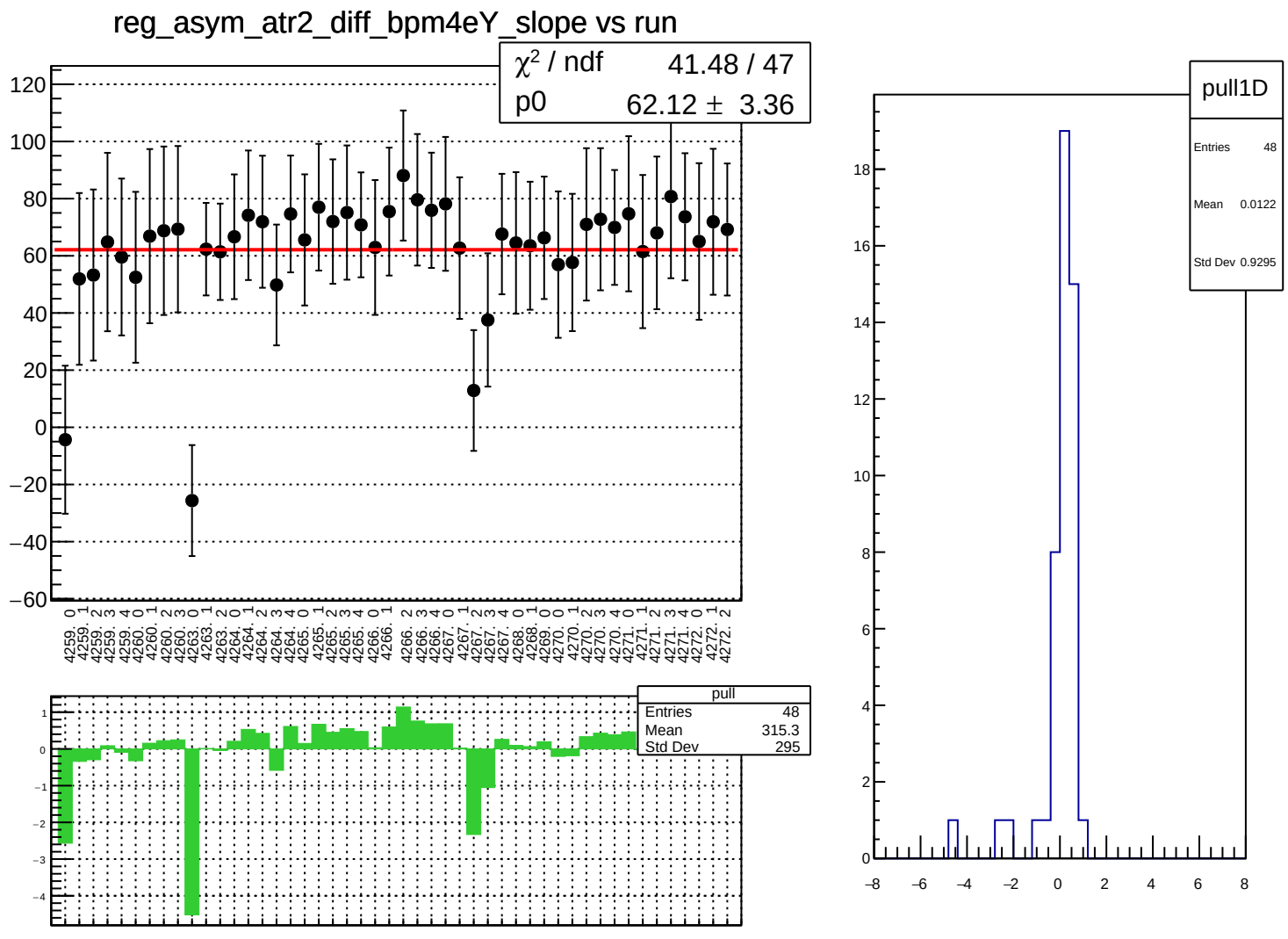

pull1D
Entries 48
Mean 2.62
Std Dev 1.646

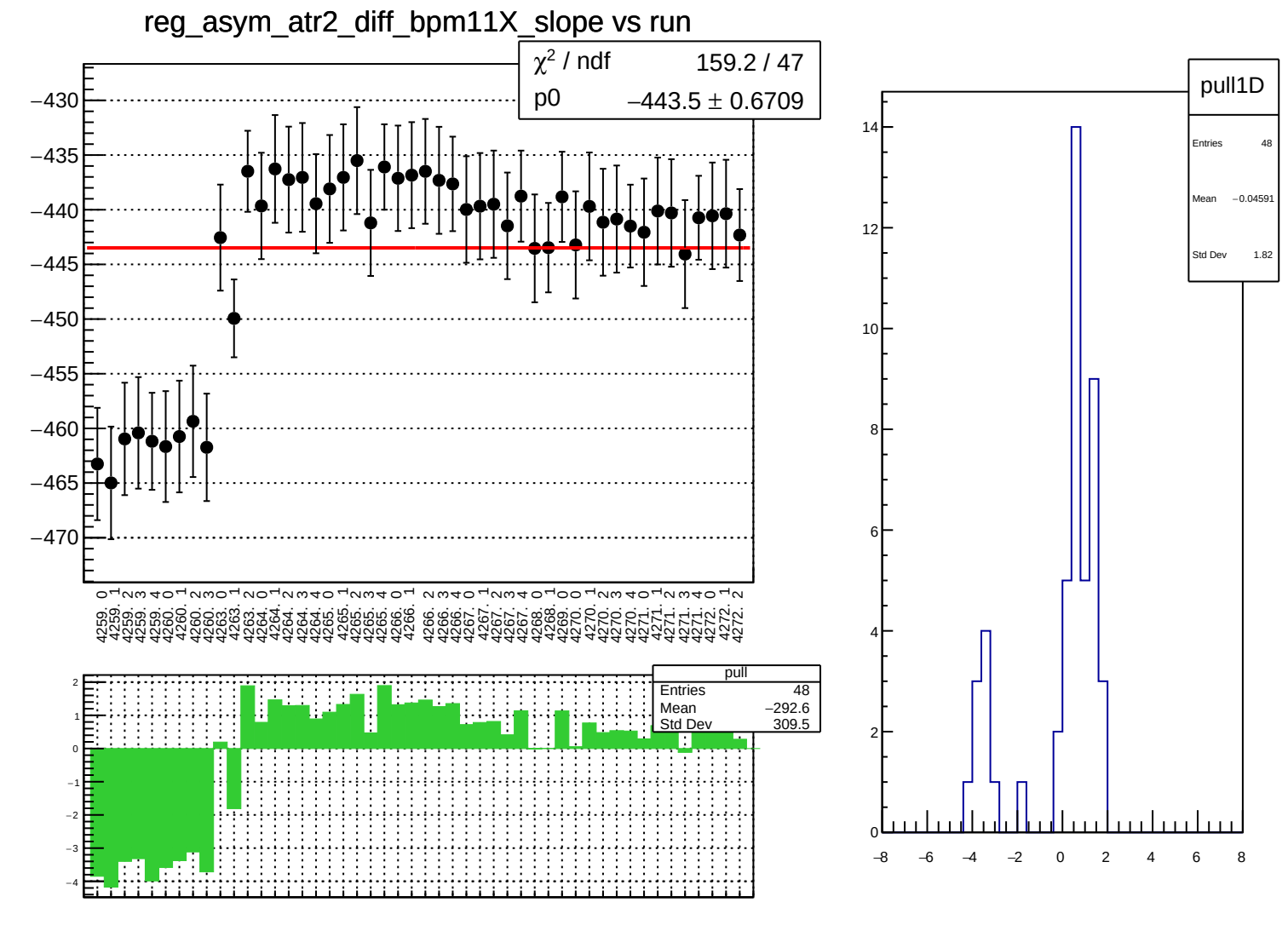

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 26.31 / 47
p0 −223.3 ± 2.812
pull
Entries 48
Mean −139.6
Std Dev 153.6
pull1D
Entries 48
Mean 0.02695
Std Dev 0.7399

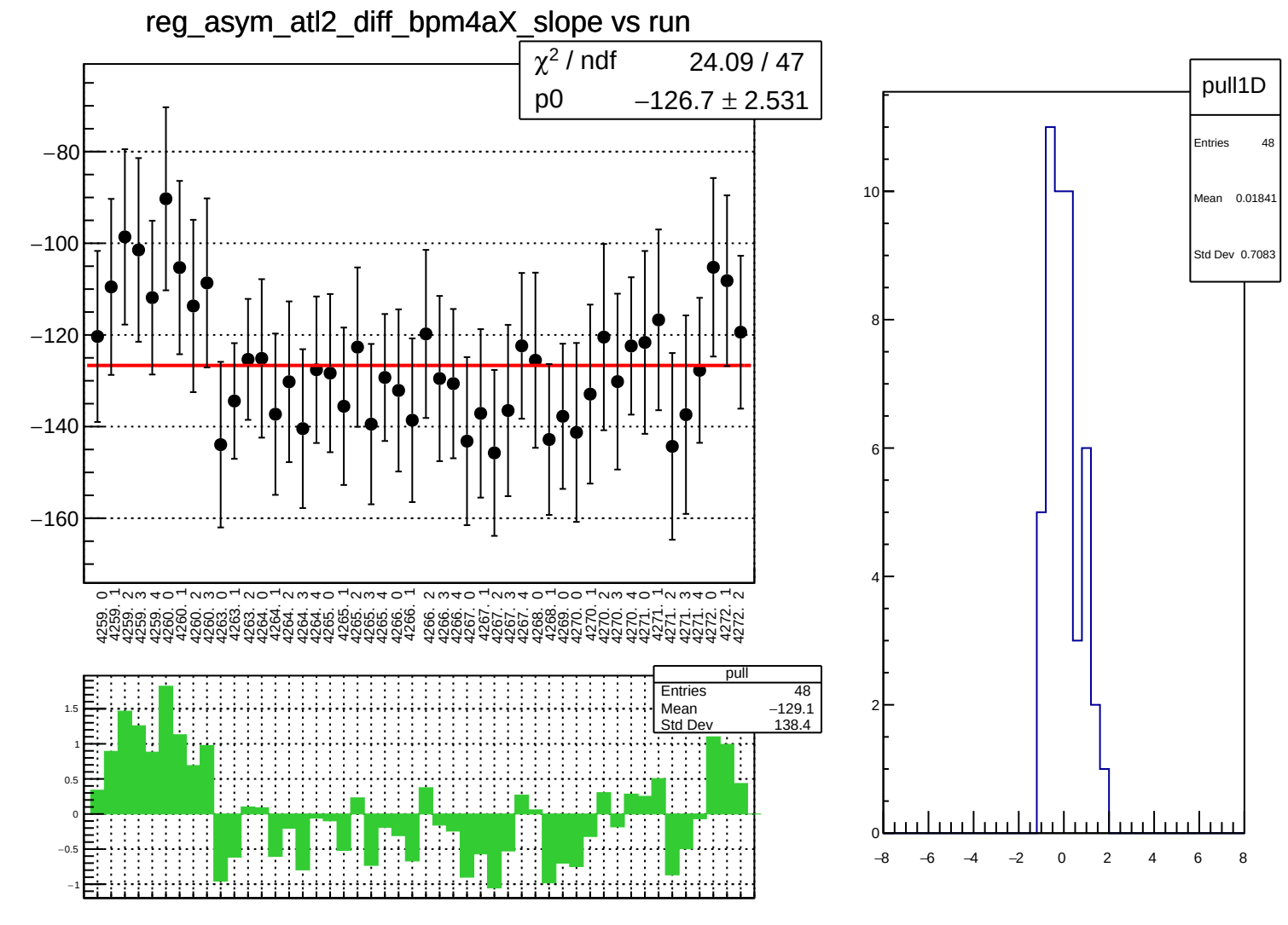

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 39.86 / 47
p0 27.23 ± 1.978
pull
Entries 48
Mean −775.2
Std Dev 795.3

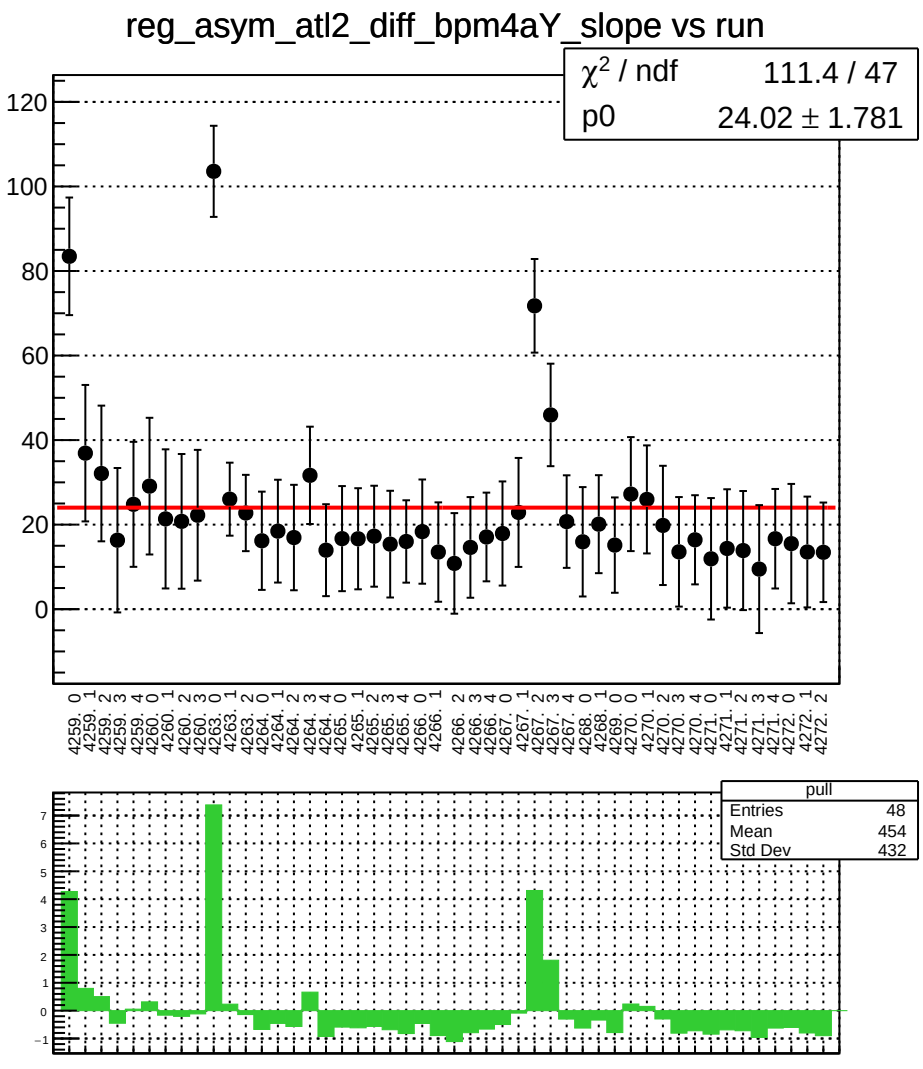

pull1D
Entries 48
Mean 0.005428
Std Dev 0.9113

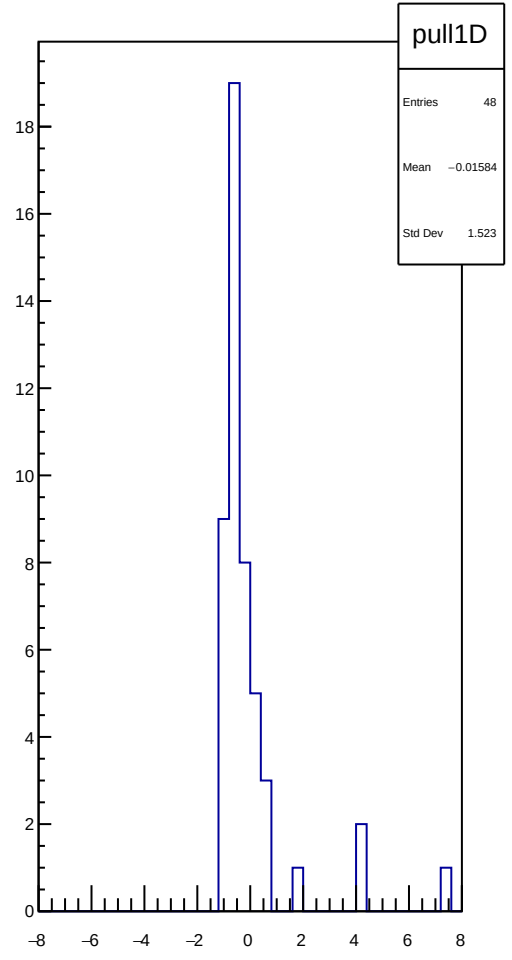

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 122.4 / 47
p0 −100.4 ± 0.5005
pull
Entries 48
Mean −97.21
Std Dev 112.7
pull1D
Entries 48
Mean −0.1065
Std Dev 1.593

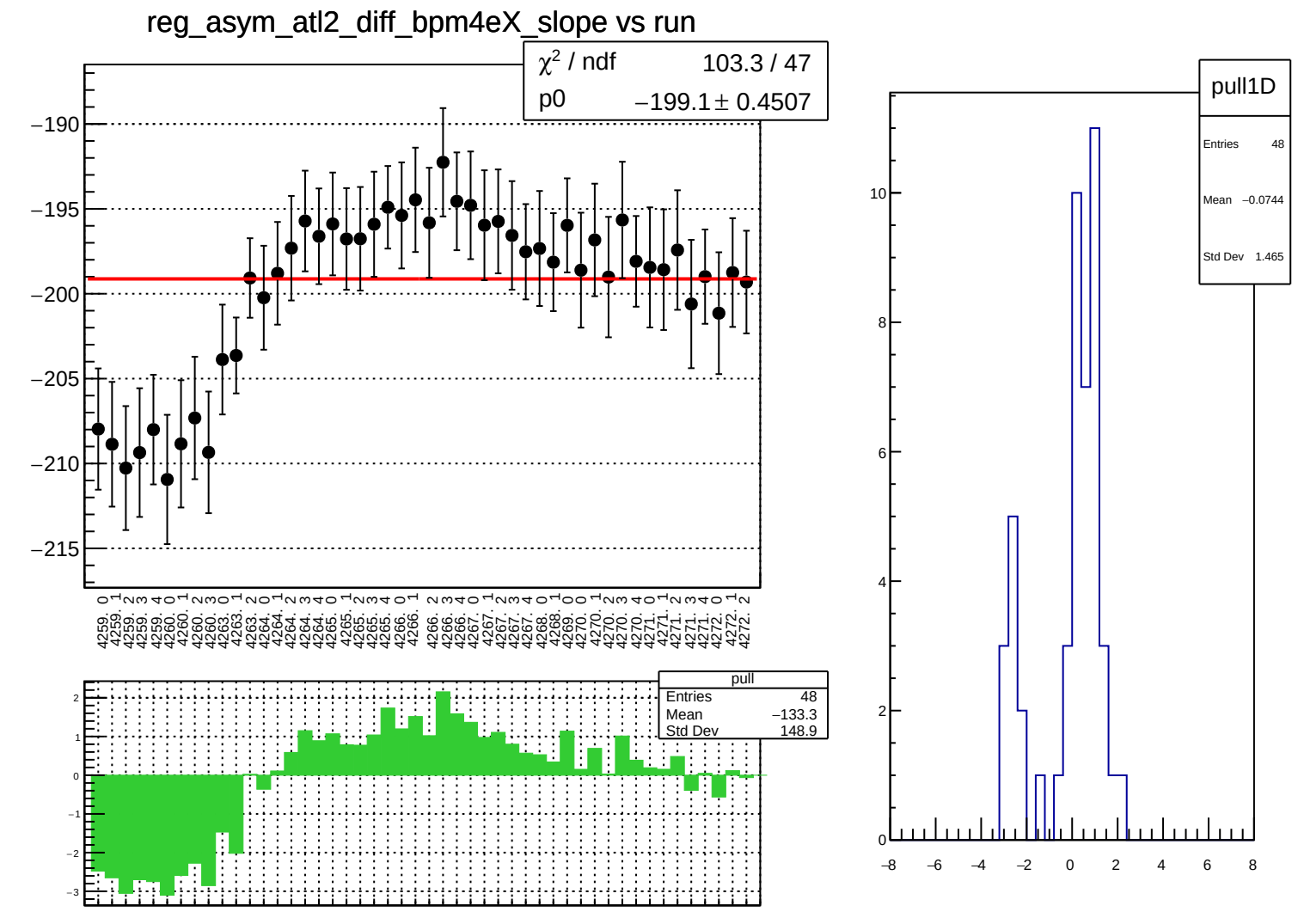

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 41.48 / 47
p0 62.12 ± 3.36
pull
Entries 48
Mean 315.3
Std Dev 295
pull1D
Entries 48
Mean 0.0122
Std Dev 0.9295

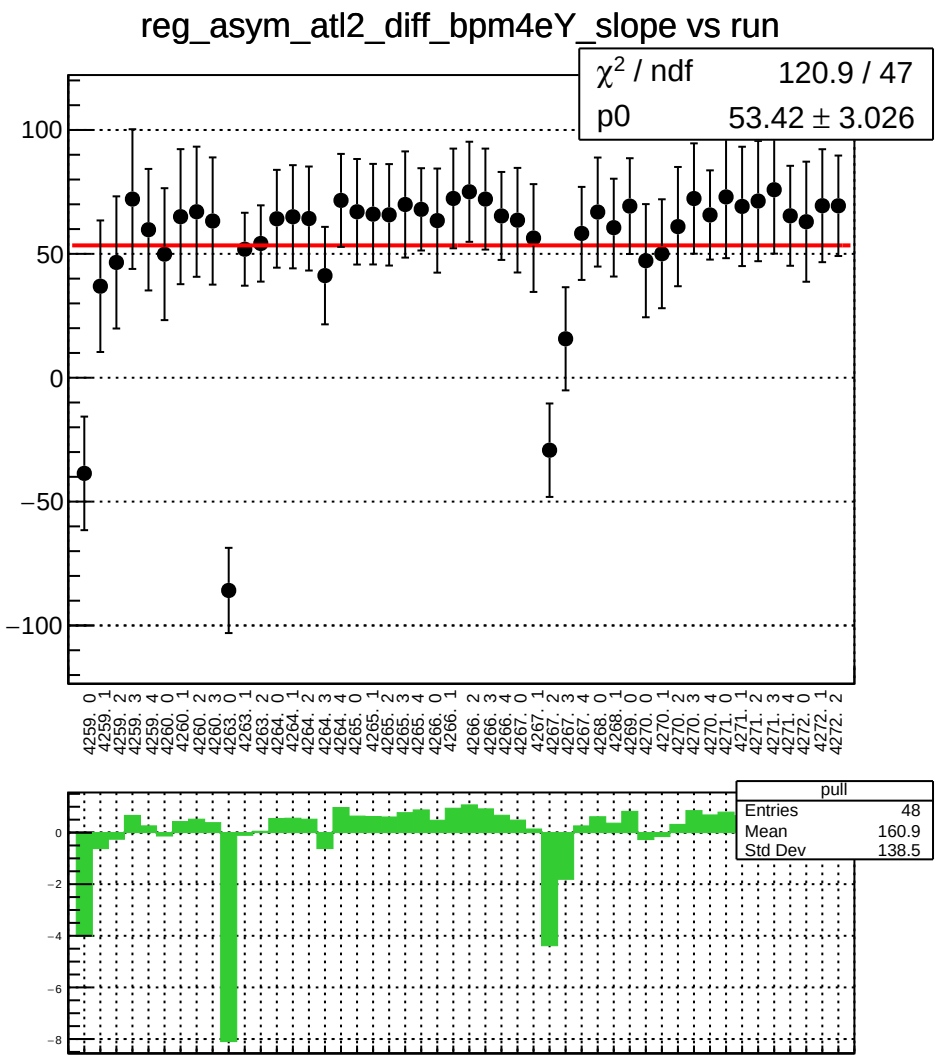

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 159.2 / 47
p0 −443.5 ± 0.6709
pull
Entries 48
Mean −292.6
Std Dev 309.5
pull1D
Entries 48
Mean −0.04591
Std Dev 1.82

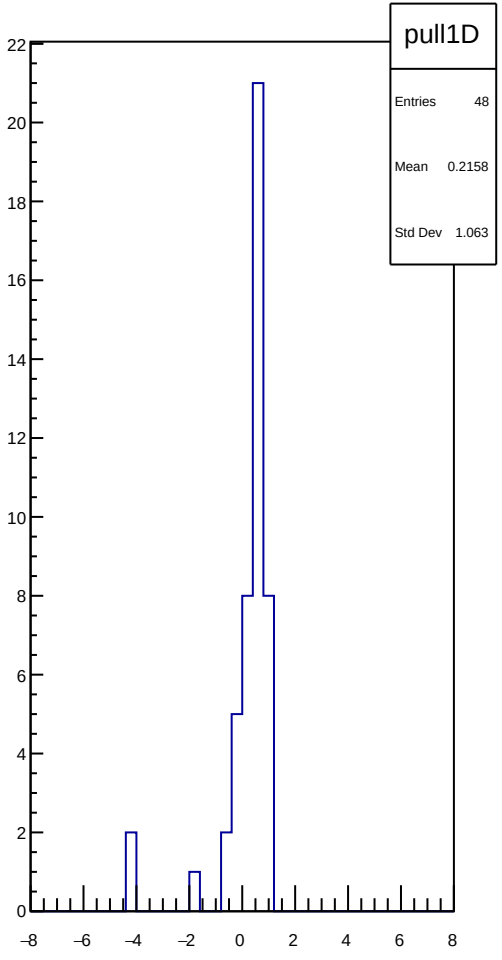

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 24.09 / 47
p0 −126.7 ± 2.531
−80
−100
−120
−140
−160
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −129.1
Std Dev 138.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.01841
Std Dev 0.7083
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

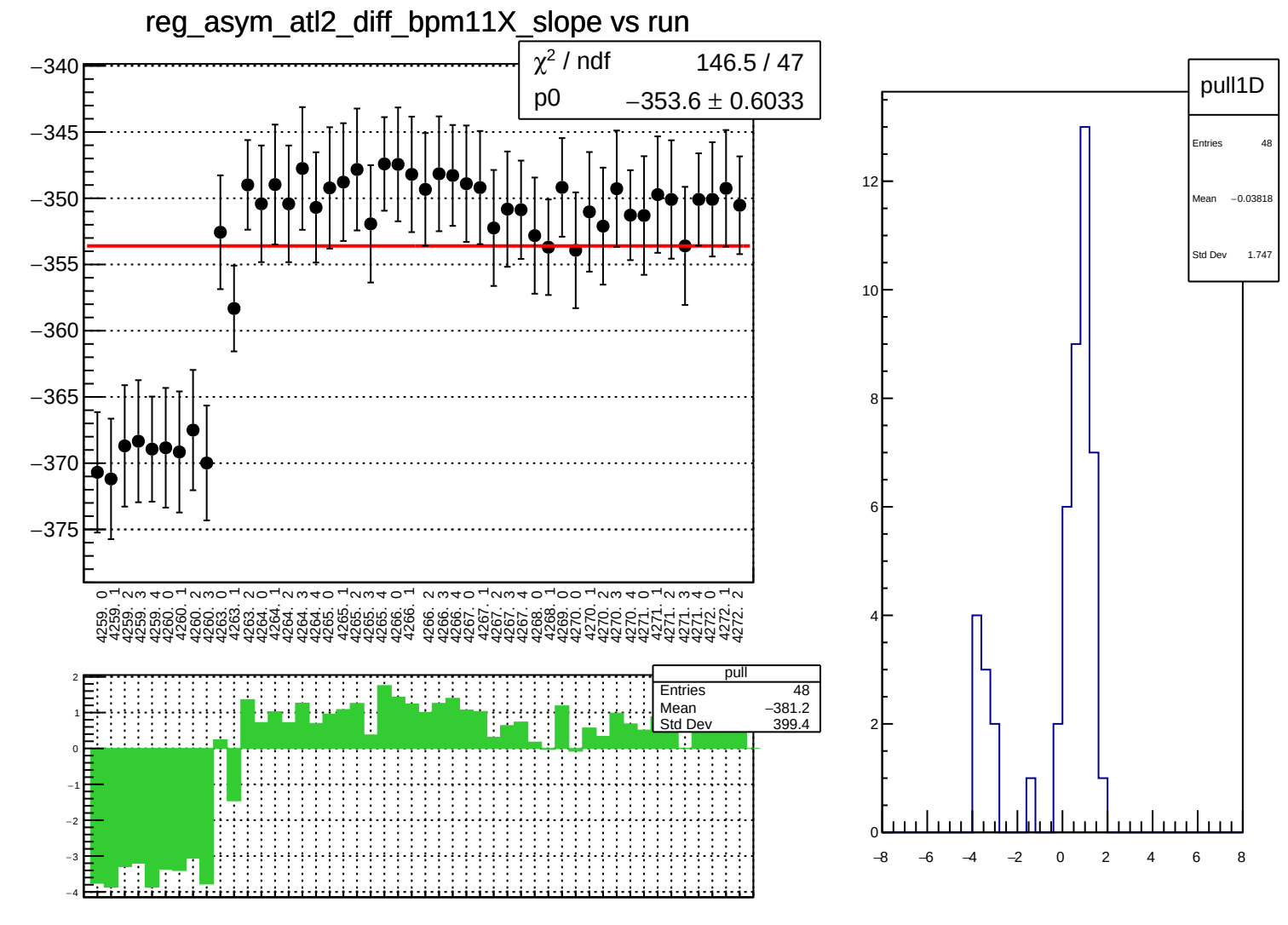

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 111.4 / 47
p0 24.02 ± 1.781
pull
Entries 48
Mean 454
Std Dev 432

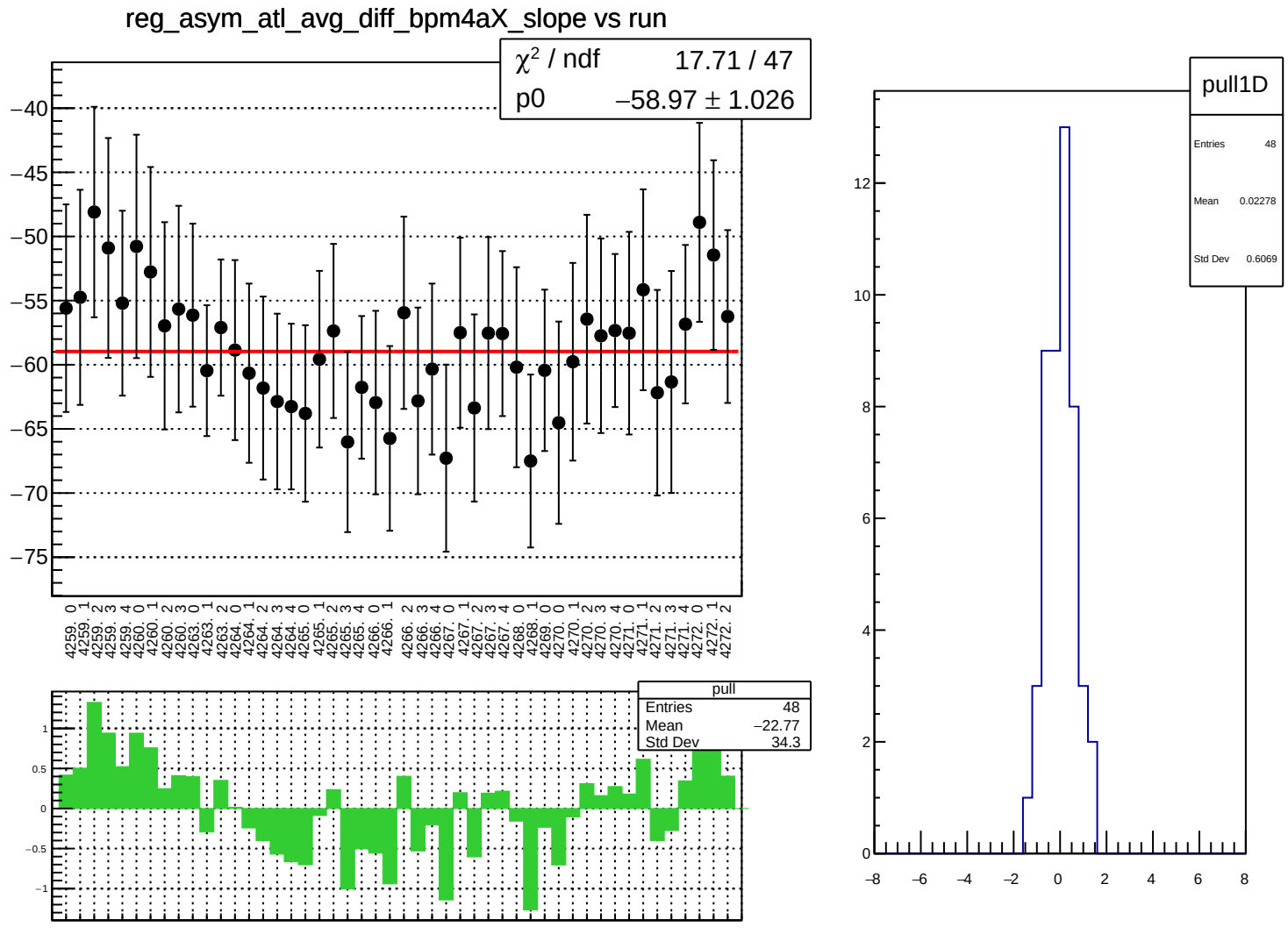

pull1D
Entries 48
Mean −0.01584
Std Dev 1.523

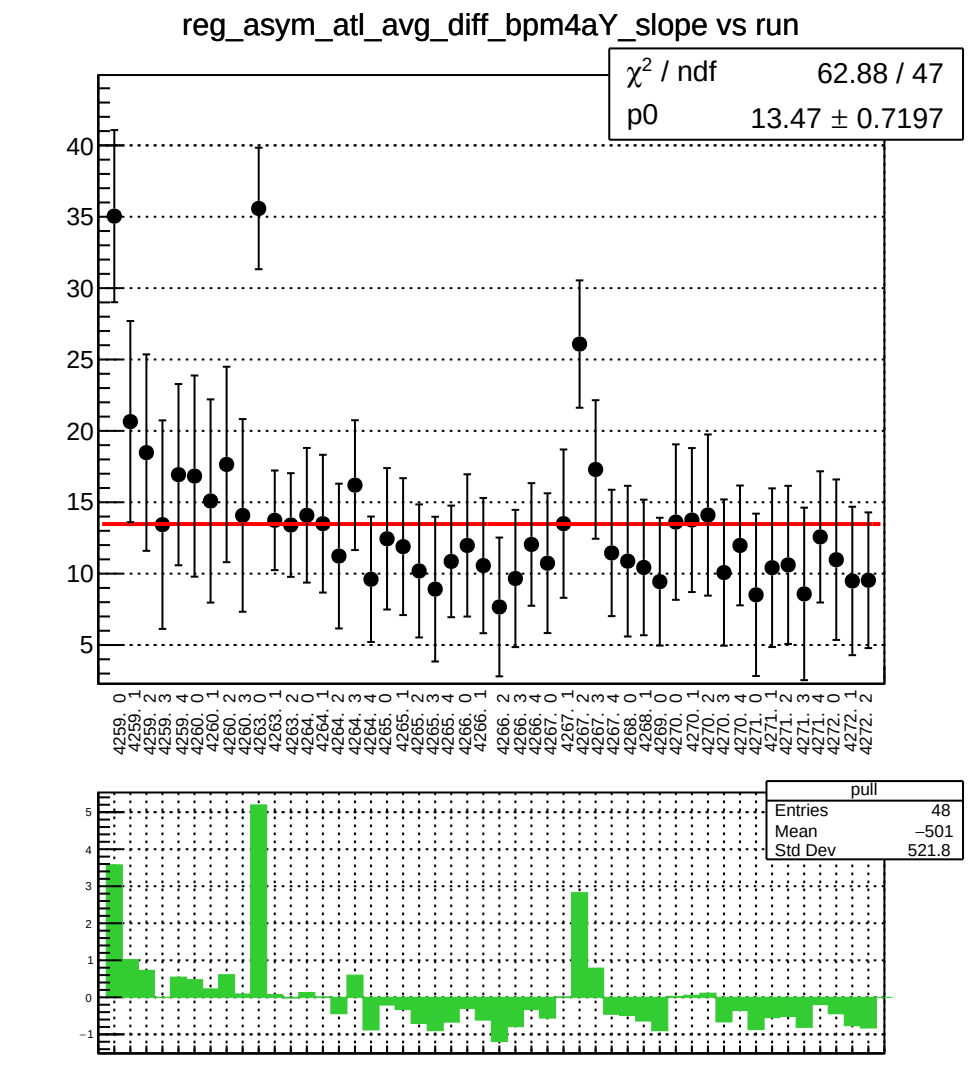

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 103.3 / 47
p0 −199.1 ± 0.4507
−190
−195
−200
−205
−210
−215
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −133.3
Std Dev 148.9
2
1
0
−1
−2
−3
pull1D
Entries 48
Mean −0.0744
Std Dev 1.465
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

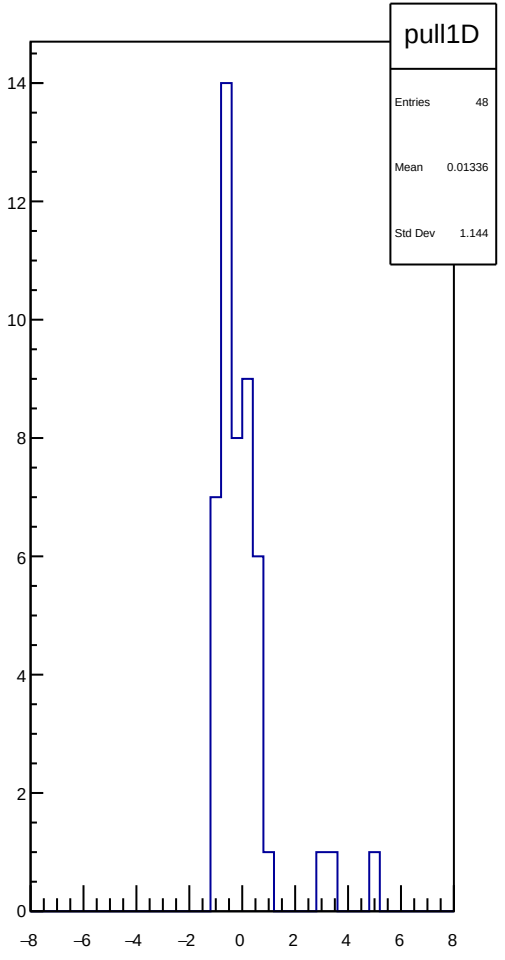

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 120.9 / 47
p0 53.42 ± 3.026
pull
Entries 48
Mean 160.9
Std Dev 138.5

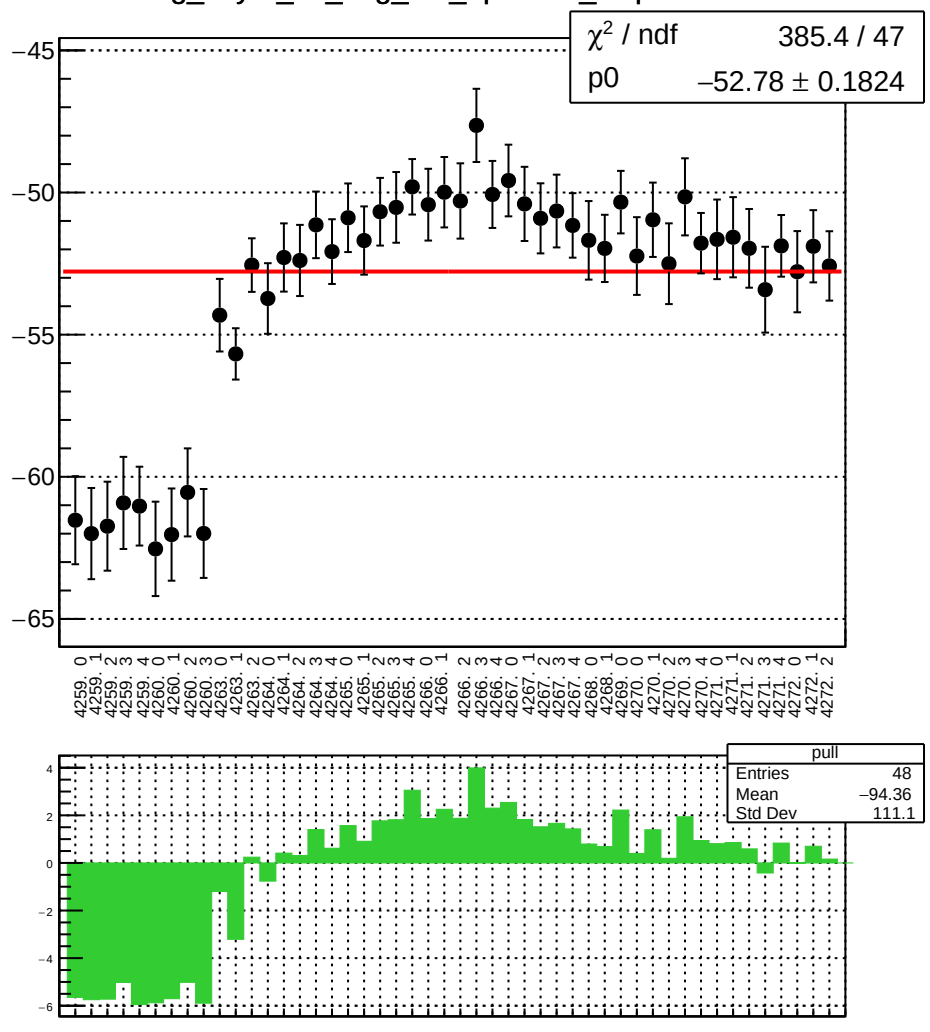

pull1D
Entries 48
Mean 0.2158
Std Dev 1.063

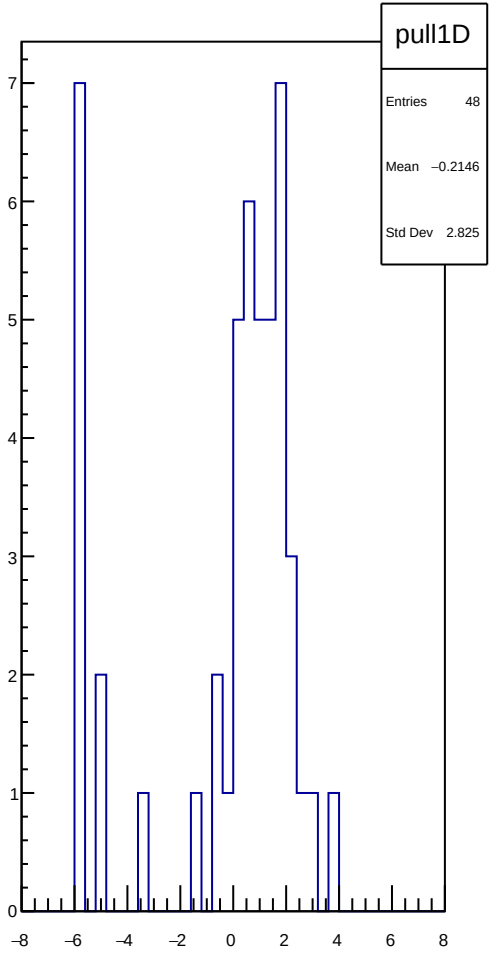

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 146.5 / 47
p0 −353.6 ± 0.6033
pull
Entries 48
Mean −381.2
Std Dev 399.4
pull1D
Entries 48
Mean −0.03818
Std Dev 1.747

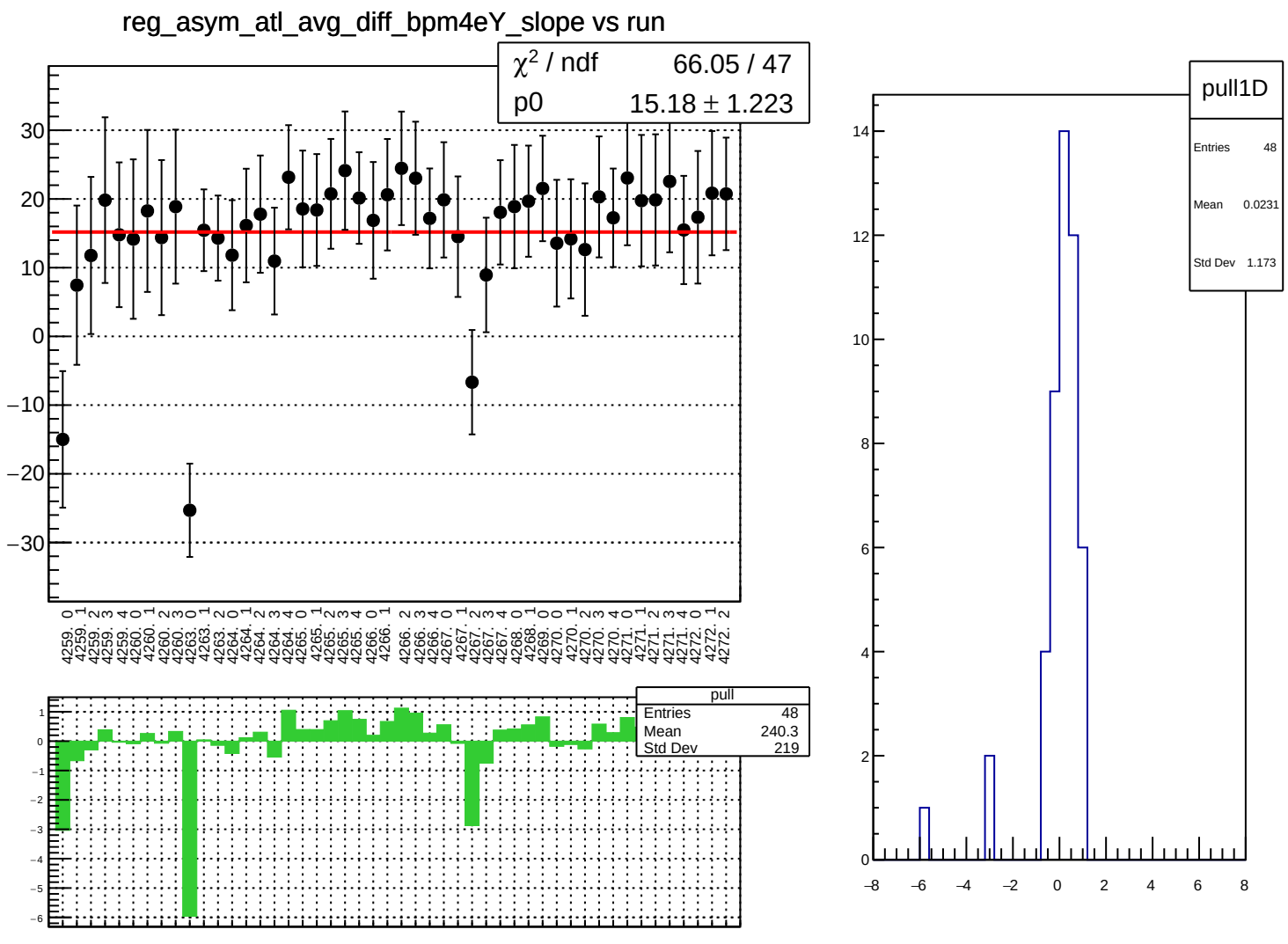

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.71 / 47
p0 −58.97 ± 1.026
pull
Entries 48
Mean −22.77
Std Dev 34.3
pull1D
Entries 48
Mean 0.02278
Std Dev 0.6069

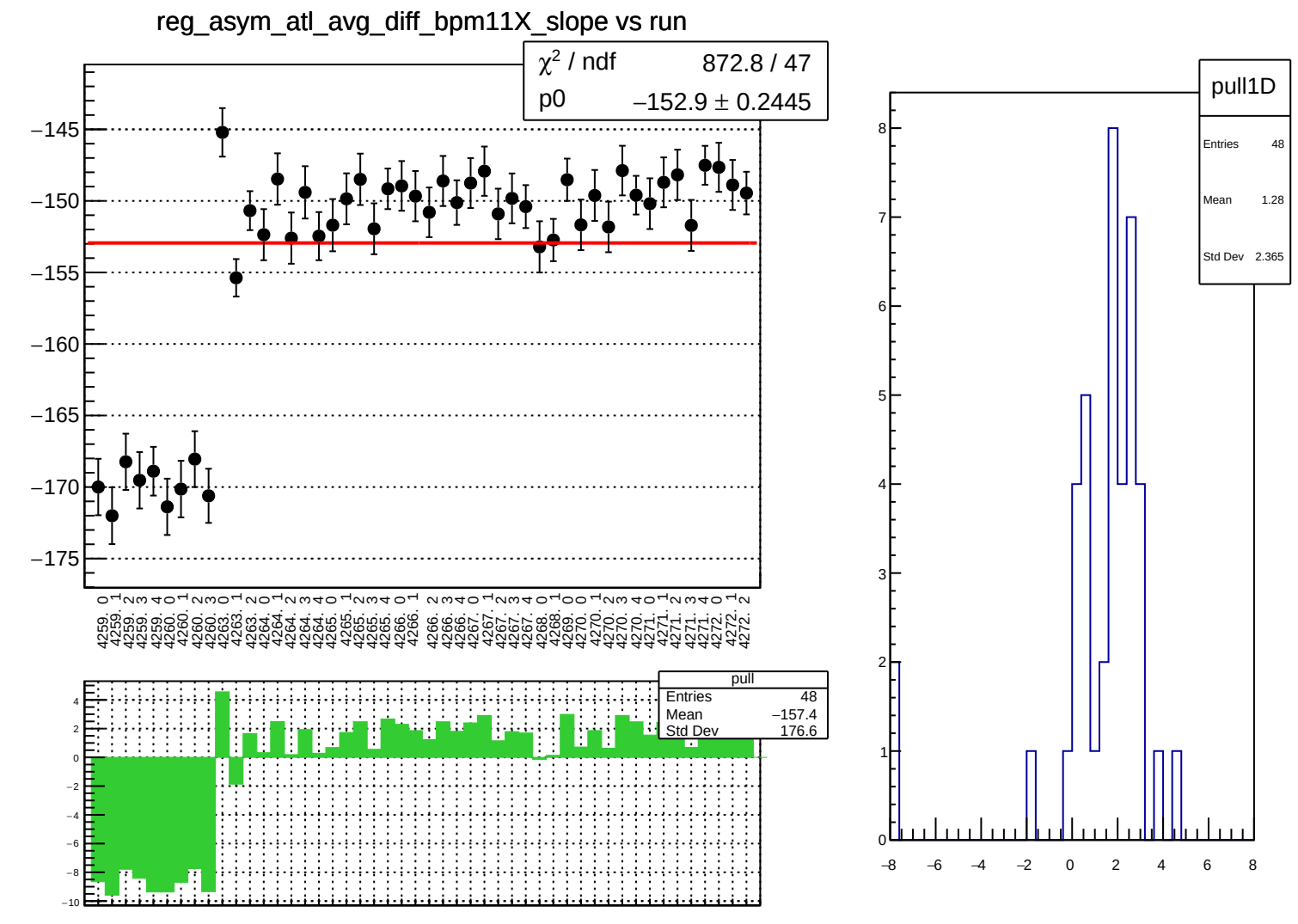

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.88 / 47
p0 13.47 ± 0.7197
pull
Entries 48
Mean −501
Std Dev 521.8

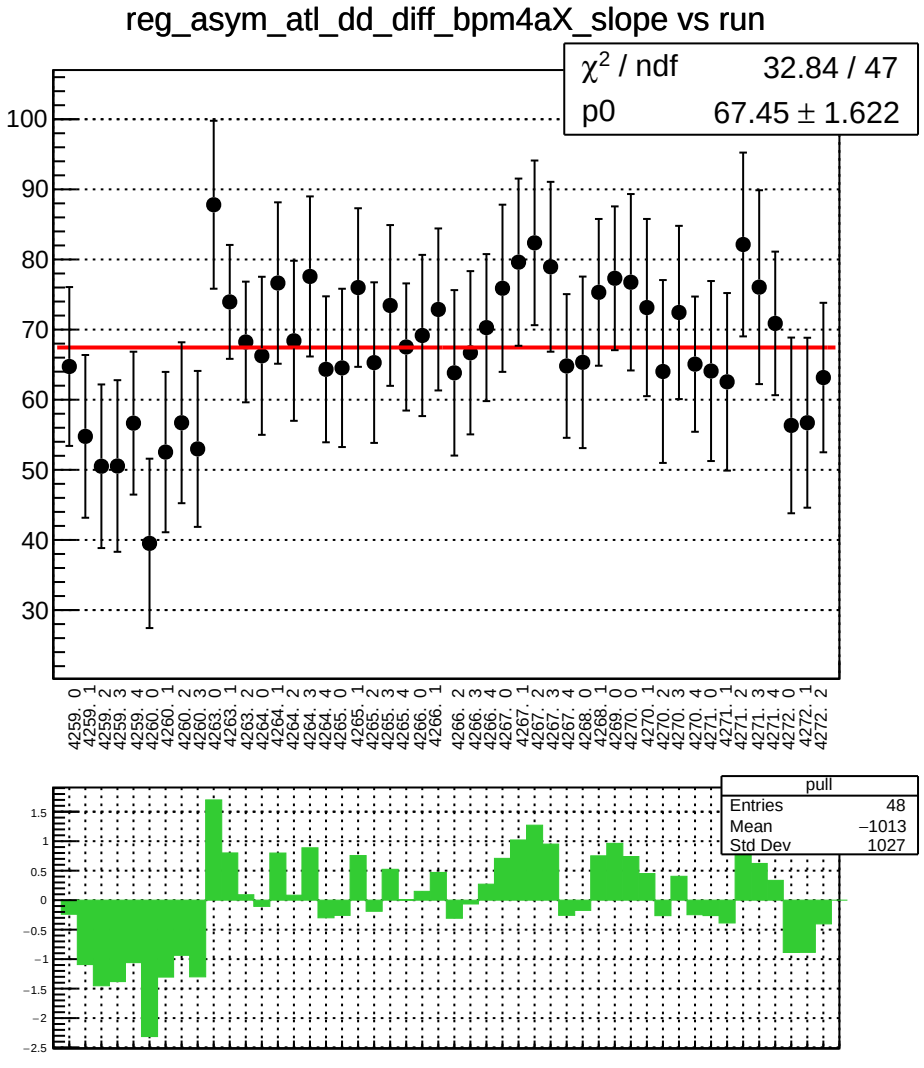

pull1D
Entries 48
Mean 0.01336
Std Dev 1.144

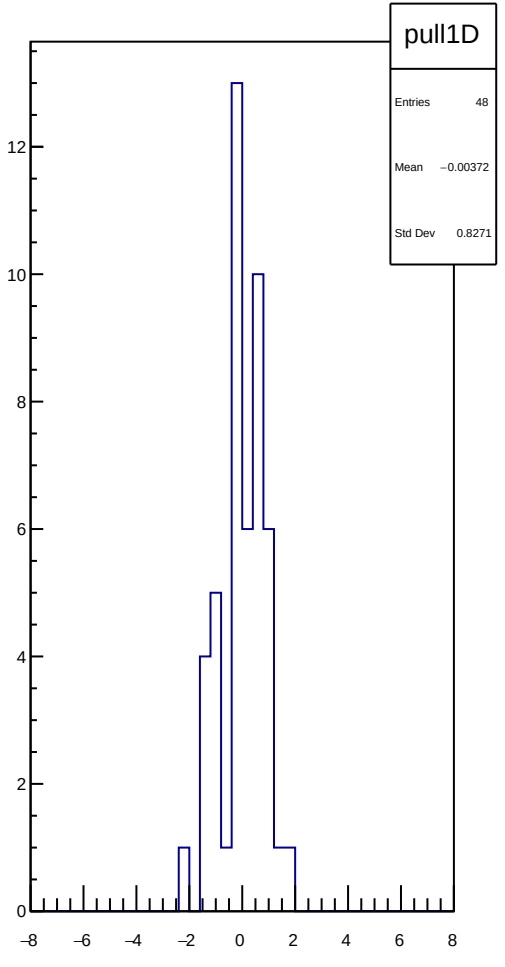

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 385.4 / 47
p0 −52.78 ± 0.1824
pull
Entries 48
Mean −94.36
Std Dev 111.1

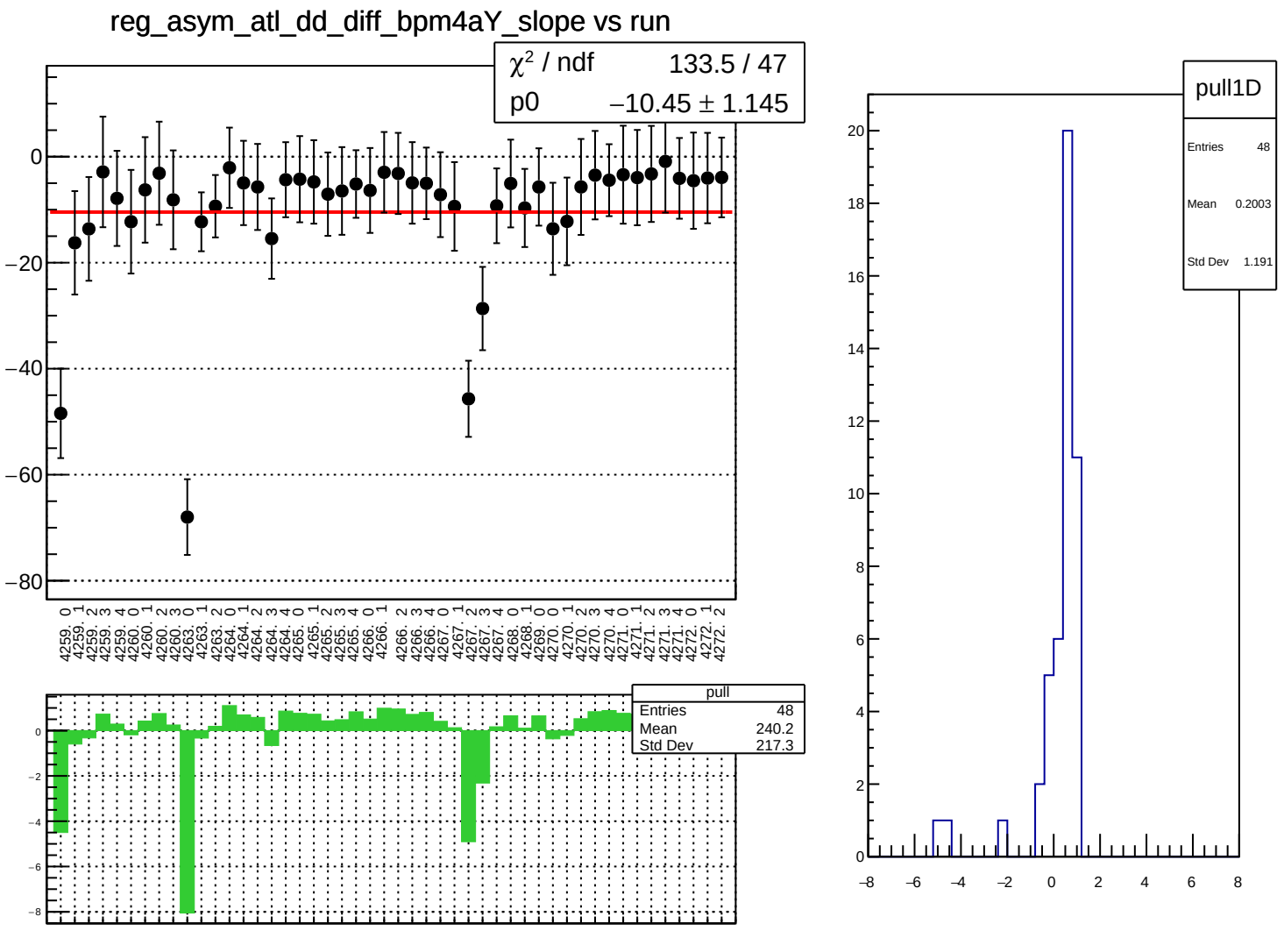

pull1D
Entries 48
Mean −0.2146
Std Dev 2.825

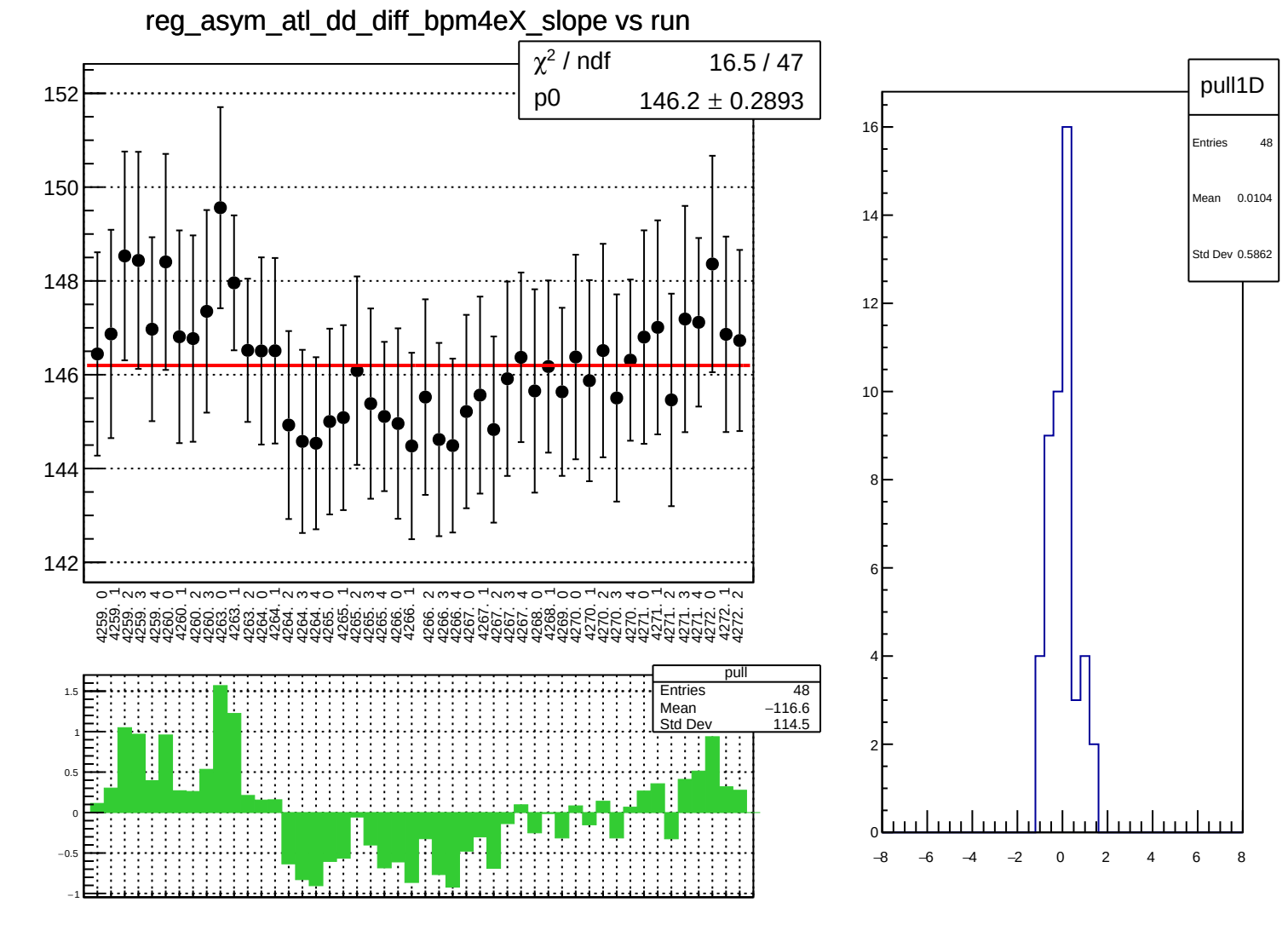

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.05 / 47
p0 15.18 ± 1.223
pull
Entries 48
Mean 240.3
Std Dev 219
pull1D
Entries 48
Mean 0.0231
Std Dev 1.173

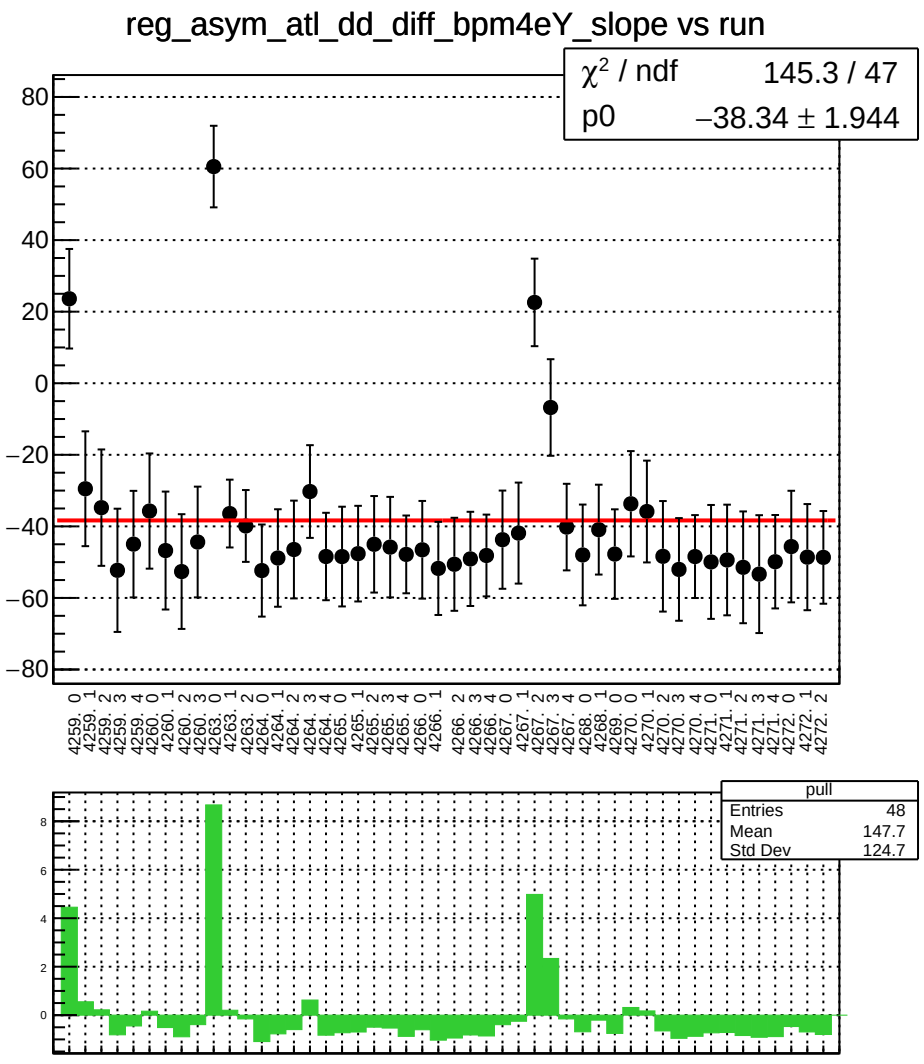

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 872.8 / 47
p0 −152.9 ± 0.2445
pull
Entries 48
Mean −157.4
Std Dev 176.6
pull1D
Entries 48
Mean 1.28
Std Dev 2.365

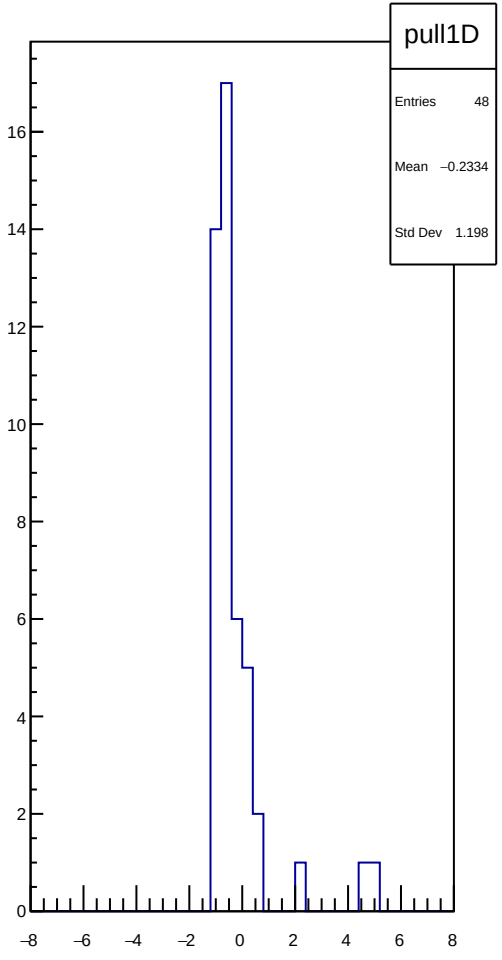

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.84 / 47
p0 67.45 ± 1.622
pull
Entries 48
Mean −1013
Std Dev 1027

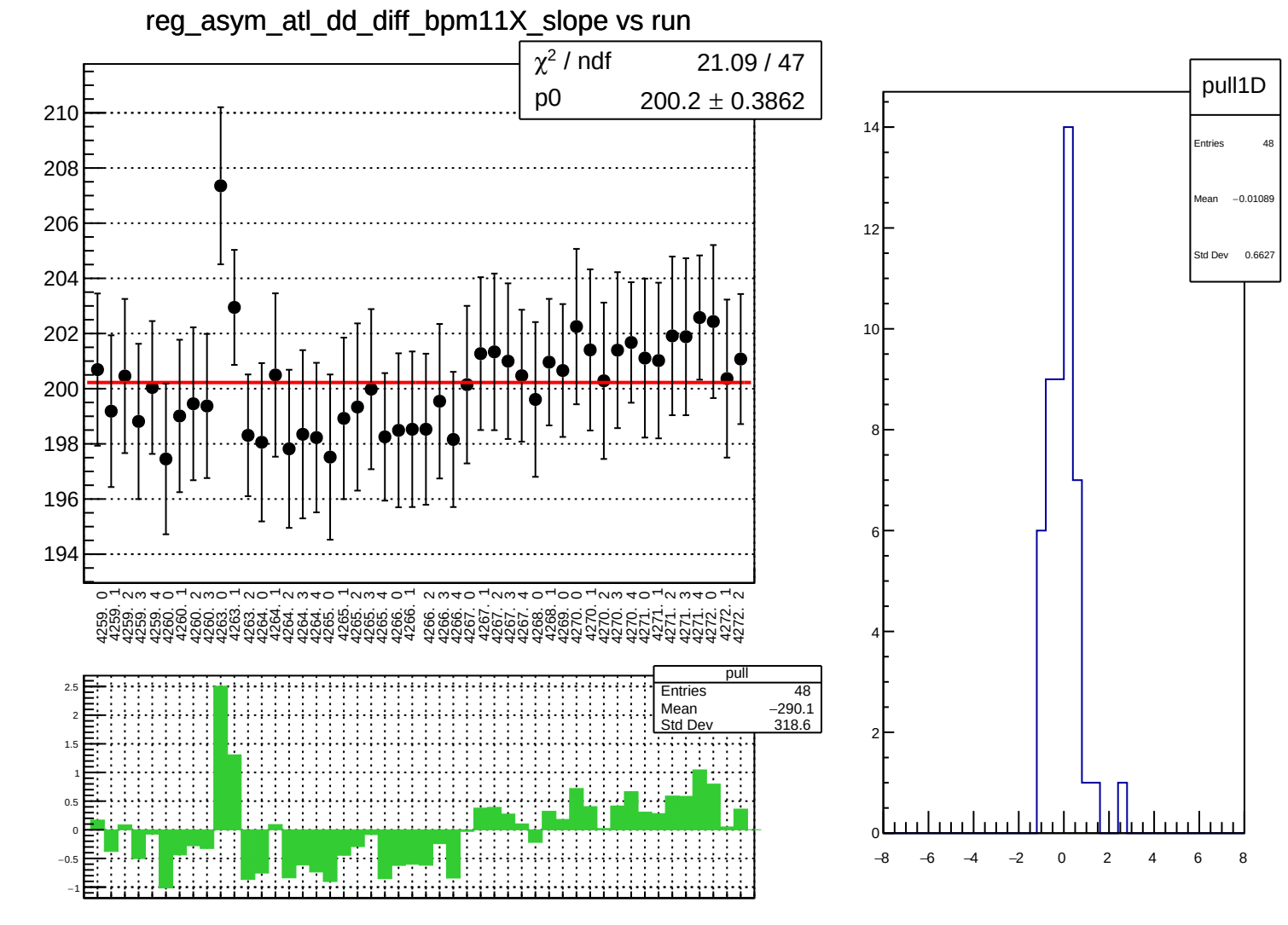

pull1D
Entries 48
Mean −0.00372
Std Dev 0.8271

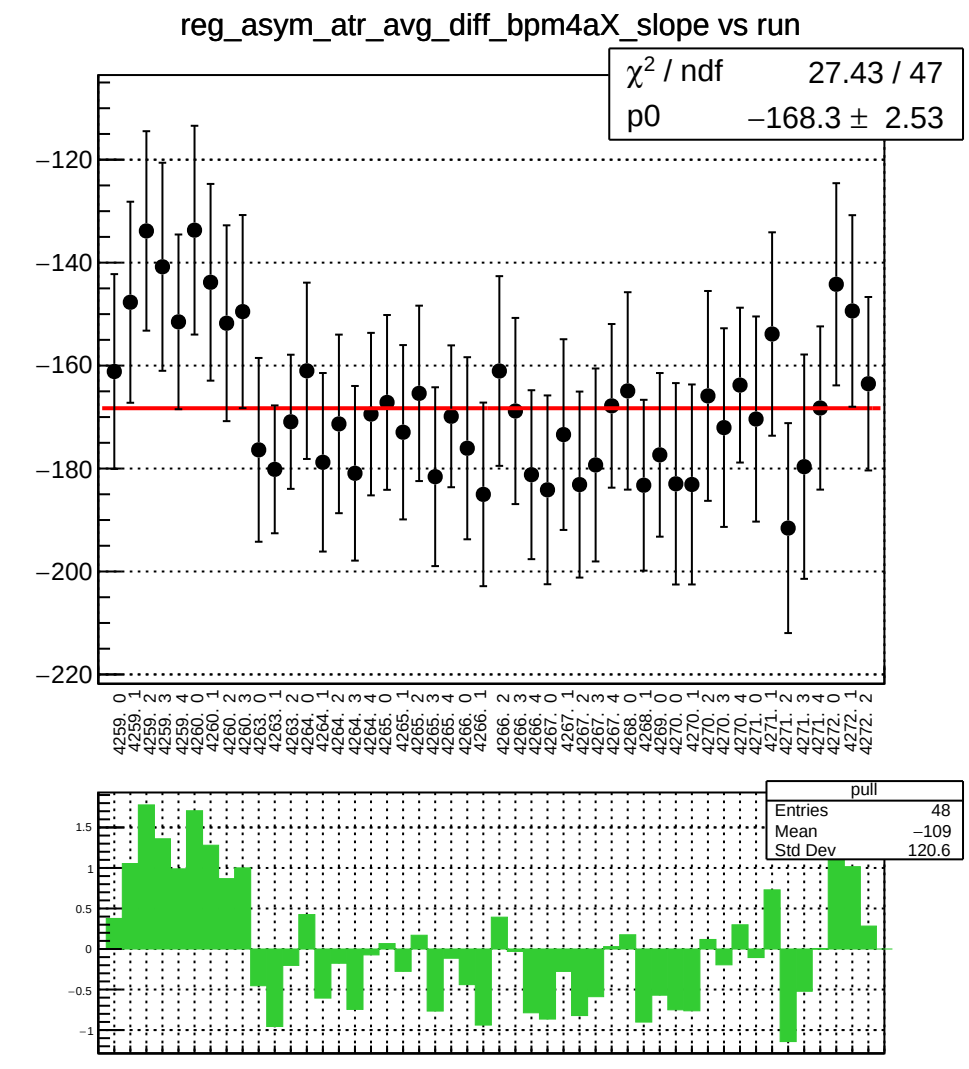

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 133.5 / 47
p0 −10.45 ± 1.145
pull
Entries 48
Mean 240.2
Std Dev 217.3
pull1D
Entries 48
Mean 0.2003
Std Dev 1.191

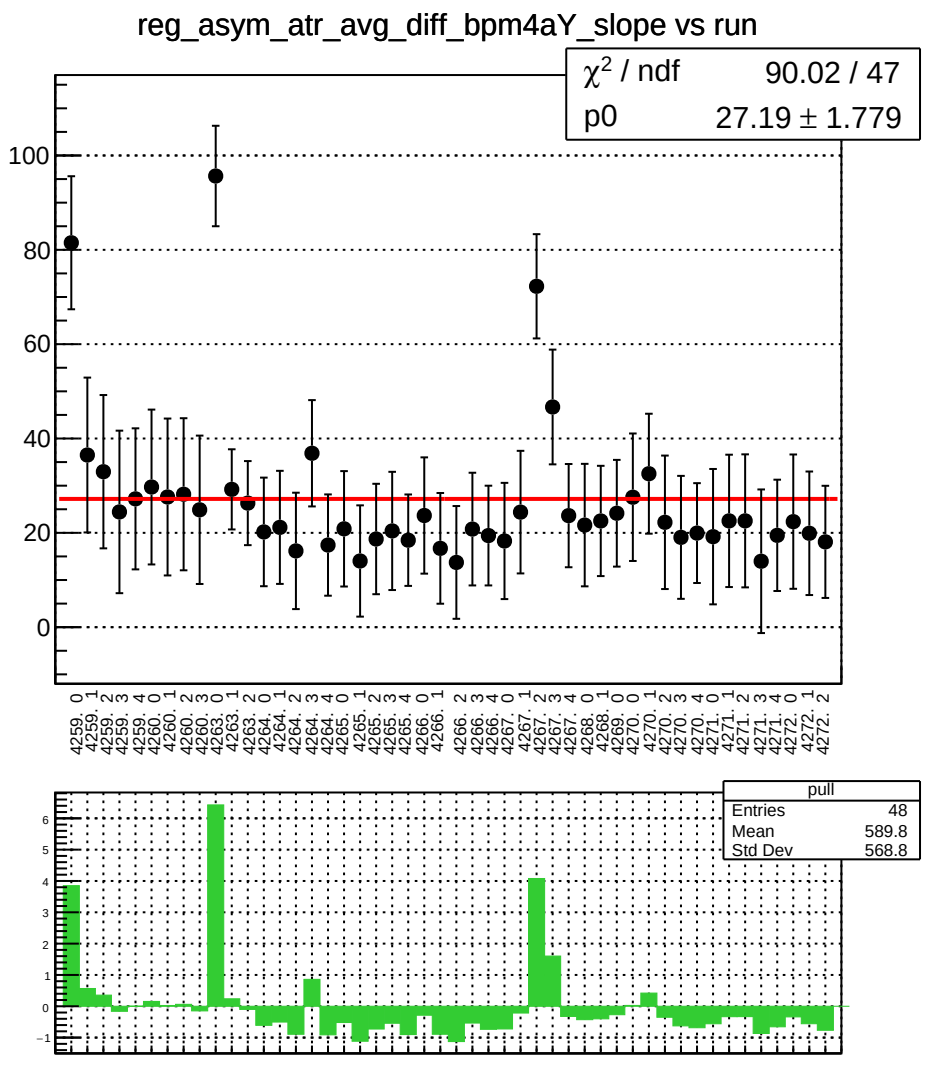

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.5 / 47
p0 146.2 ± 0.2893
152
150
148
146
144
142
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −116.6
Std Dev 114.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.0104
Std Dev 0.5862
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

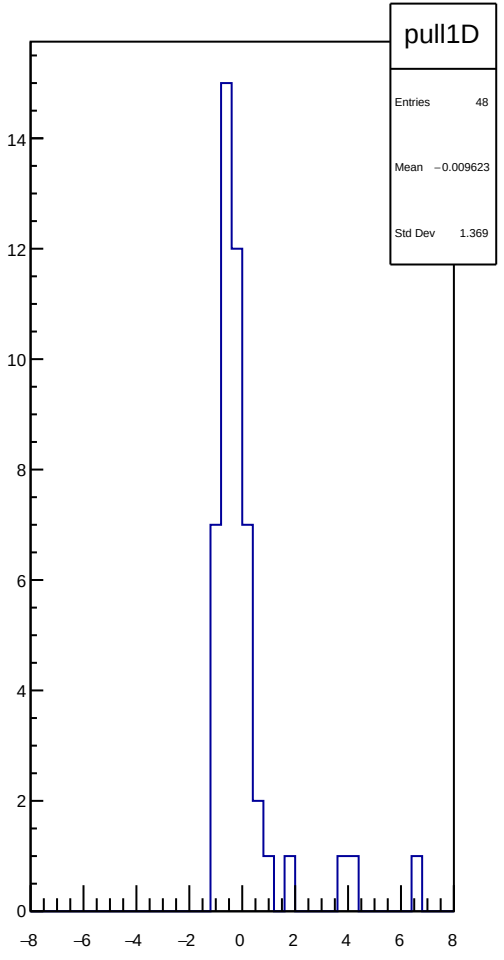

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 145.3 / 47
p0 −38.34 ± 1.944
pull
Entries 48
Mean 147.7
Std Dev 124.7

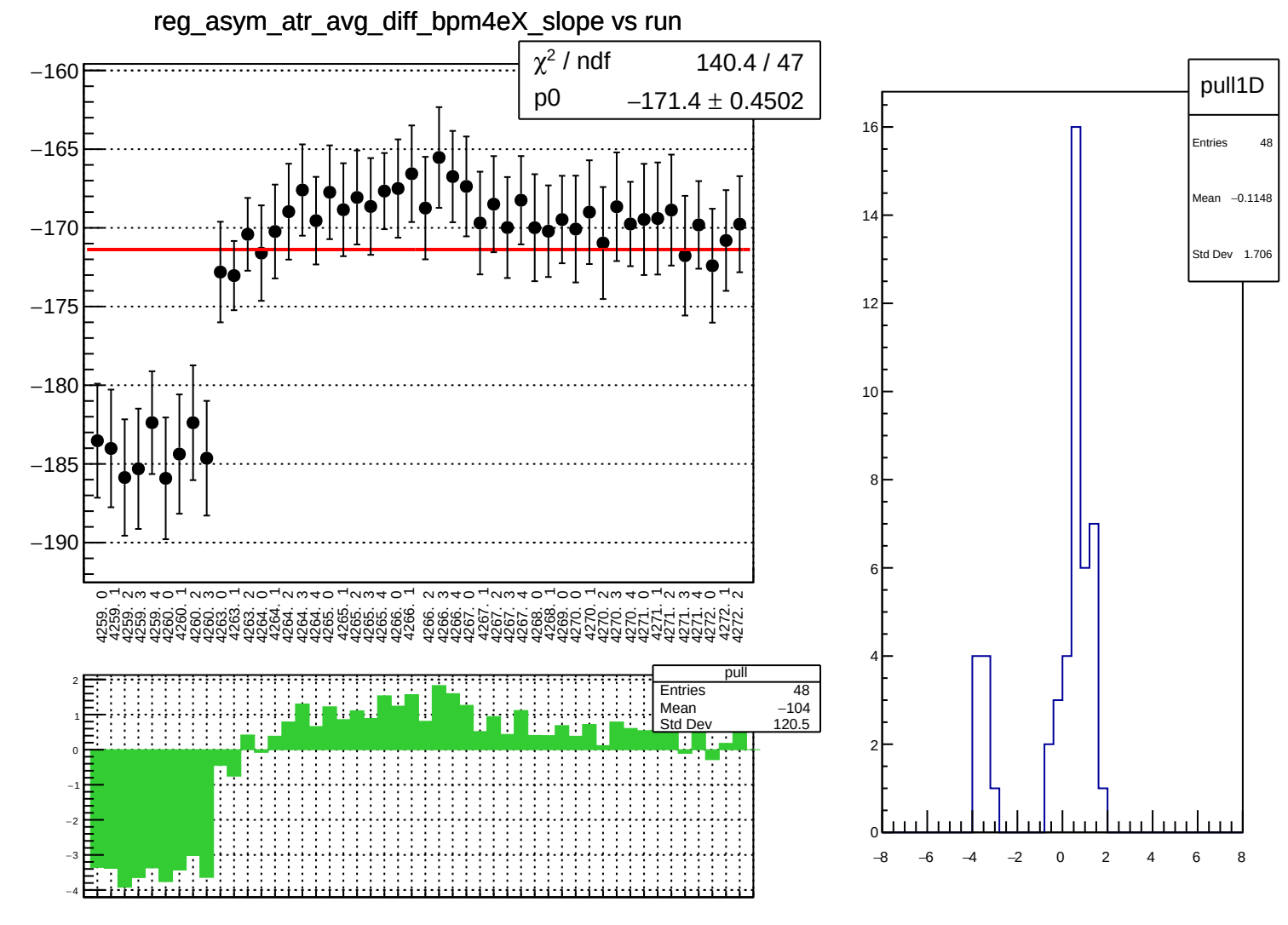

pull1D
Entries 48
Mean −0.2334
Std Dev 1.198

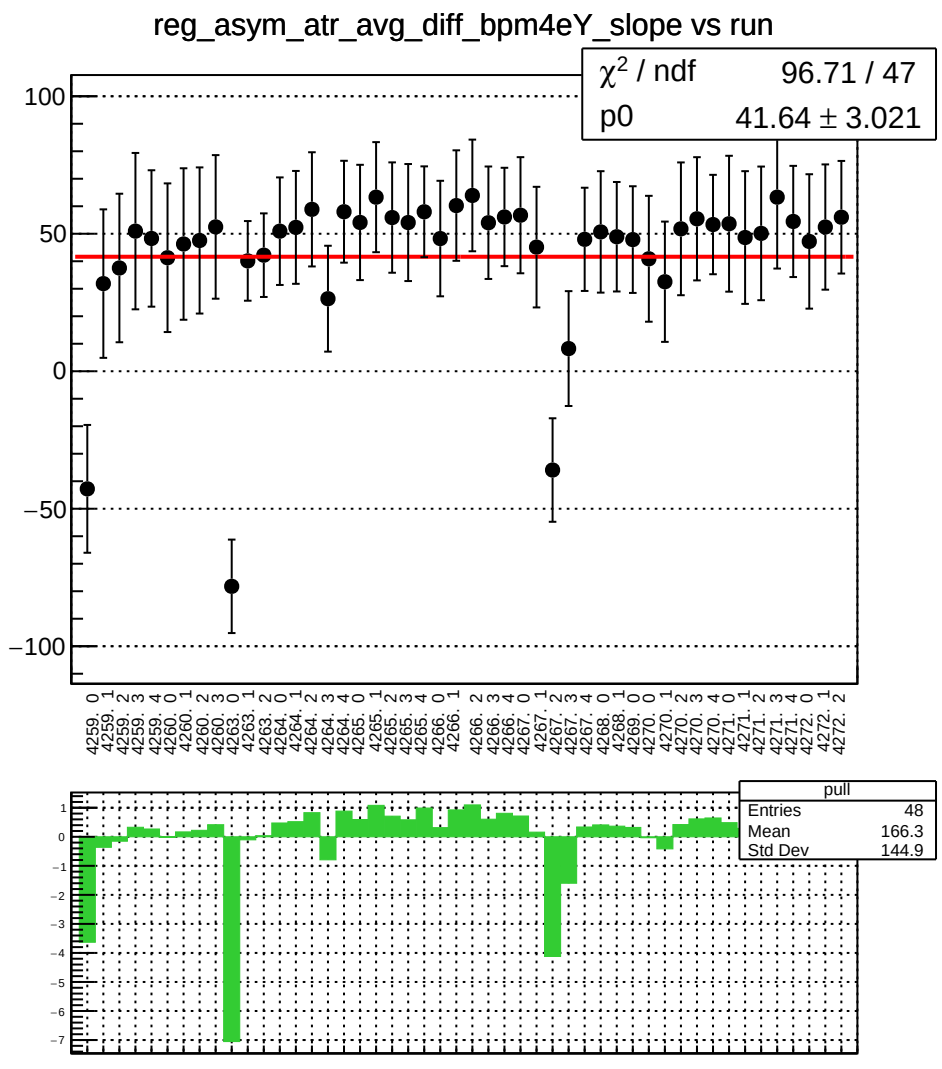

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 21.09 / 47
p0 200.2 ± 0.3862
pull
Entries 48
Mean −290.1
Std Dev 318.6
pull1D
Entries 48
Mean −0.01089
Std Dev 0.6627

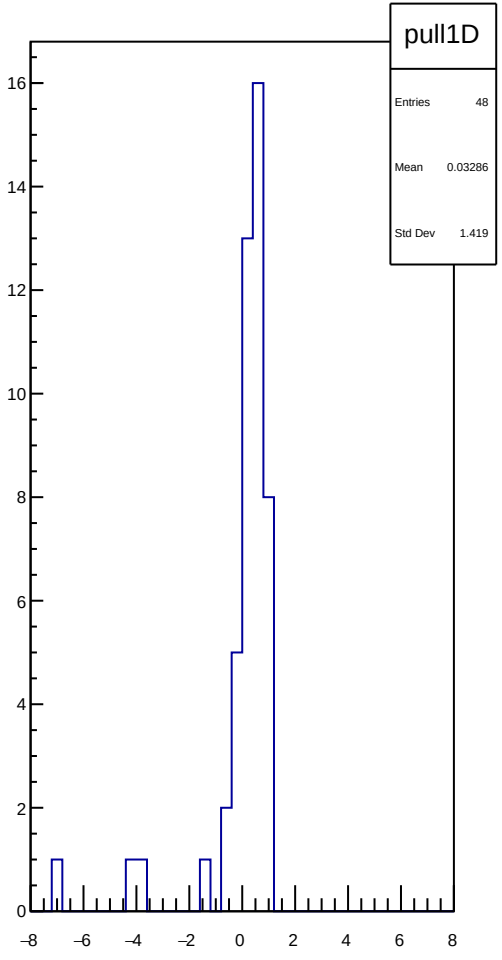

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.43 / 47
p0 −168.3 ± 2.53
−120
−140
−160
−180
−200
−220
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −109
Std Dev 120.6
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.02691
Std Dev 0.7555
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

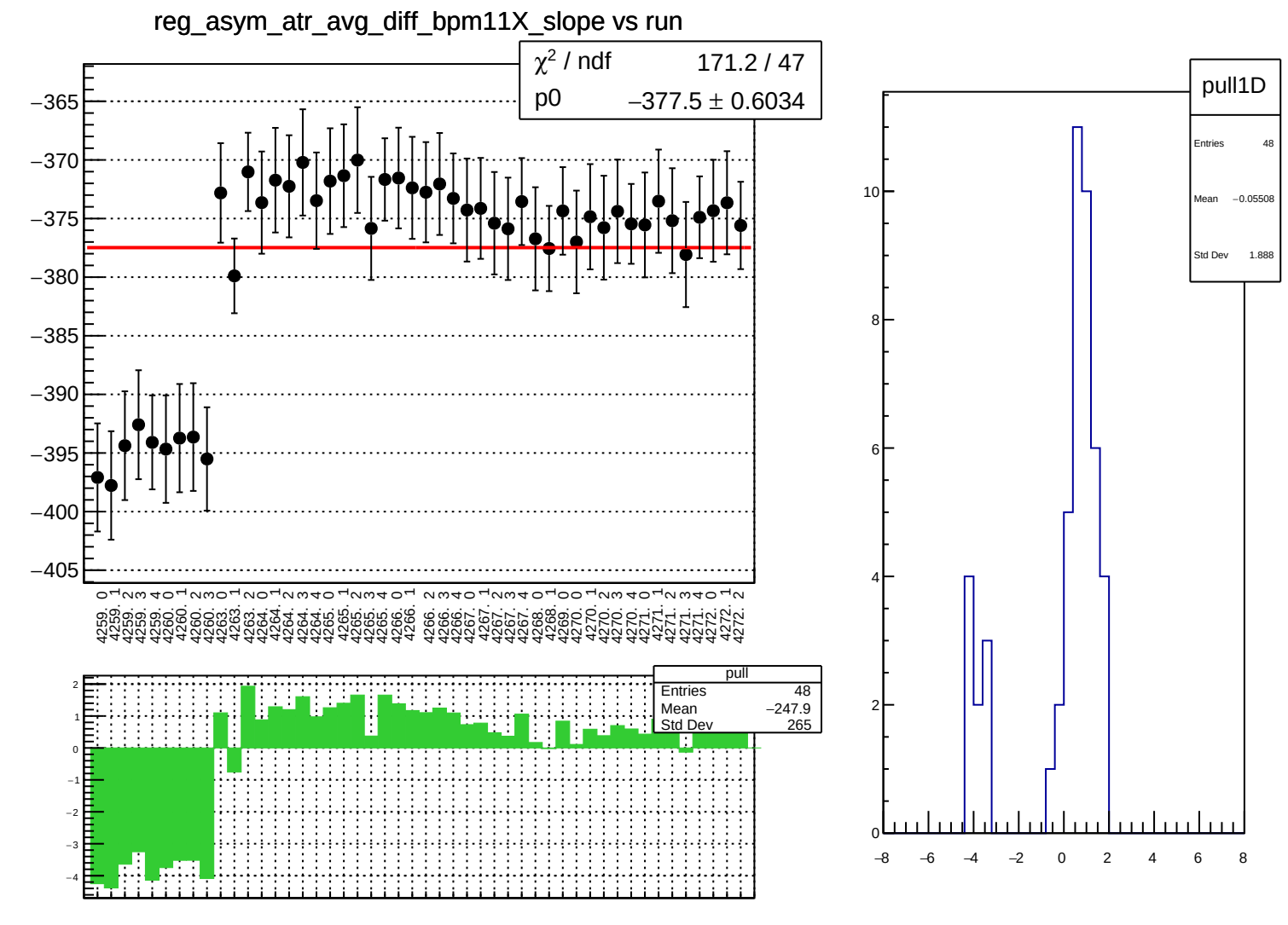

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 90.02 / 47
p0 27.19 ± 1.779
pull
Entries 48
Mean 589.8
Std Dev 568.8

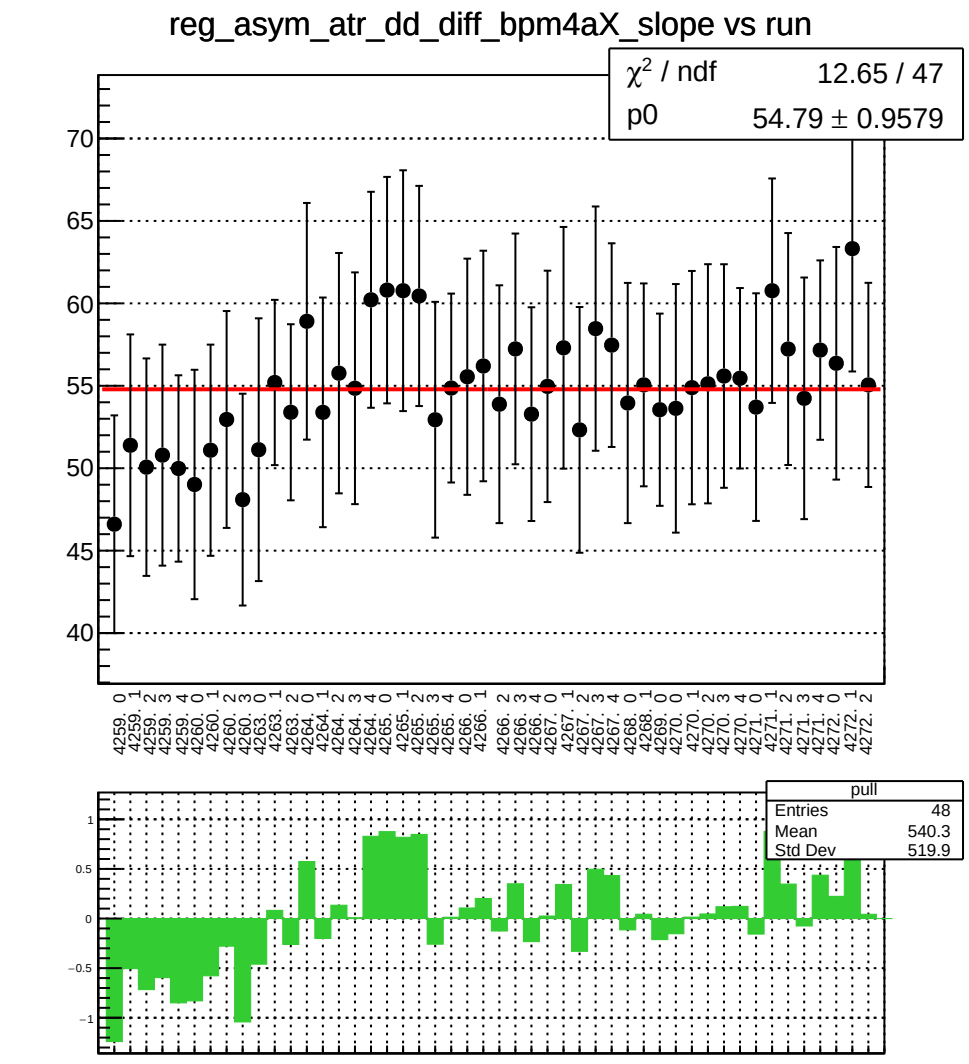

pull1D
Entries 48
Mean −0.009623
Std Dev 1.369

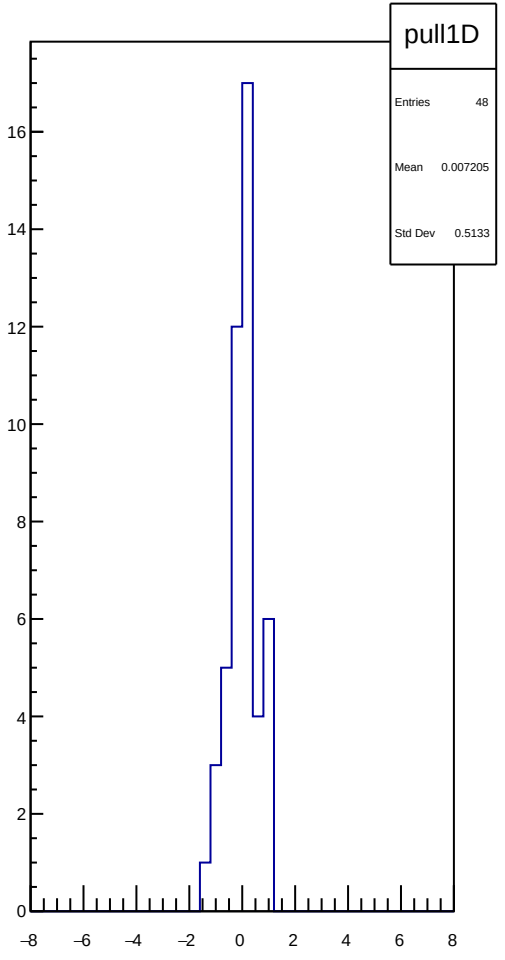

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 140.4 / 47
p0 −171.4 ± 0.4502
pull
Entries 48
Mean −104
Std Dev 120.5
pull1D
Entries 48
Mean −0.1148
Std Dev 1.706

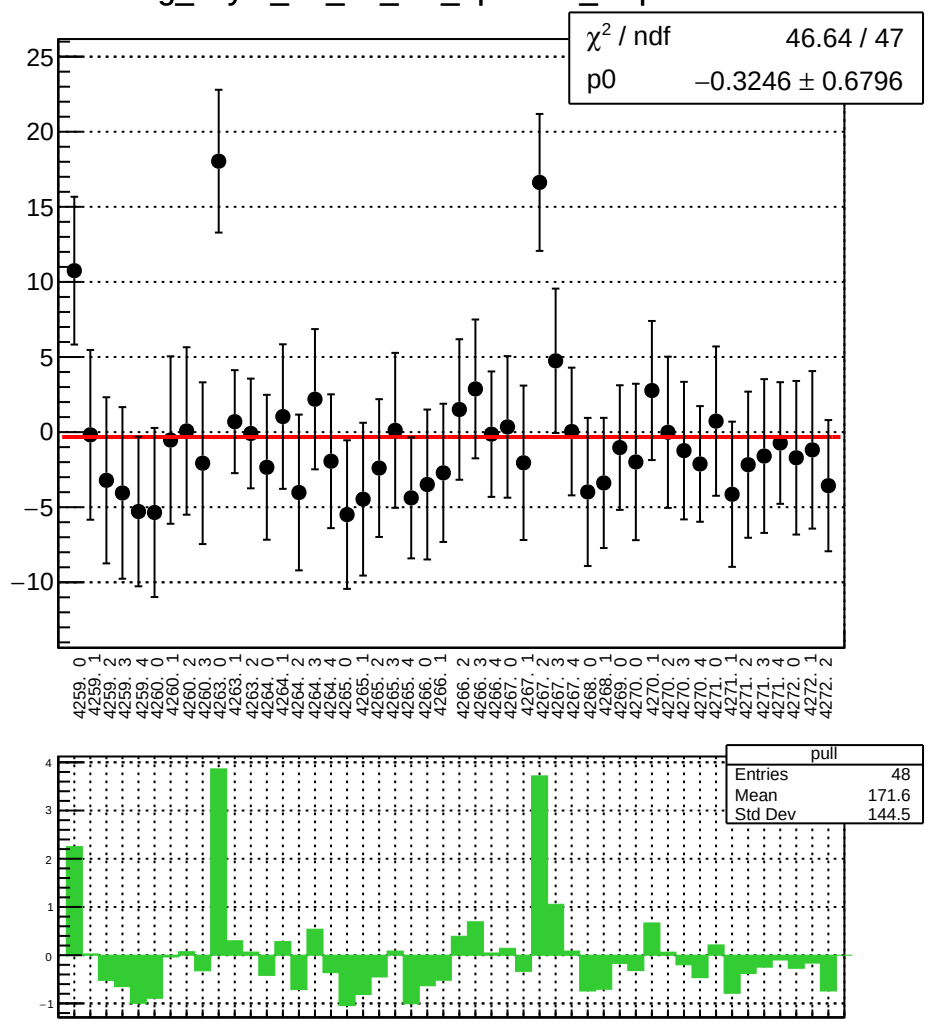

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 96.71 / 47
p0 41.64 ± 3.021
100
50
0
−50
−100
pull
Entries 48
Mean 166.3
Std Dev 144.9

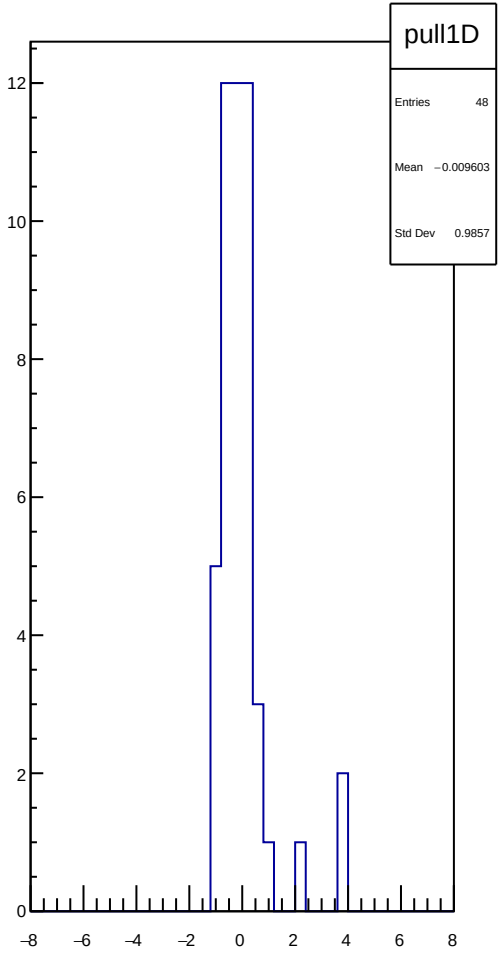

pull1D
Entries 48
Mean 0.03286
Std Dev 1.419

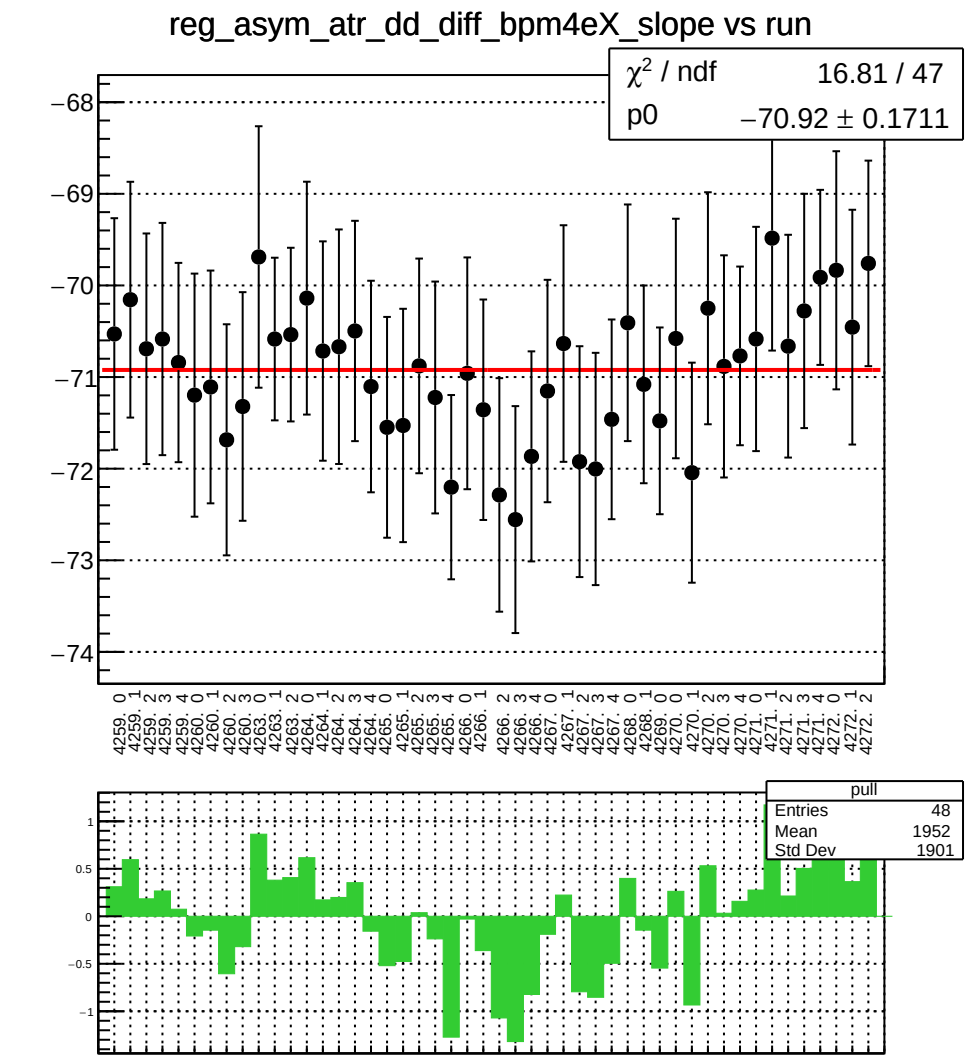

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 171.2 / 47
p0 −377.5 ± 0.6034
pull
Entries 48
Mean −247.9
Std Dev 265
pull1D
Entries 48
Mean −0.05508
Std Dev 1.888

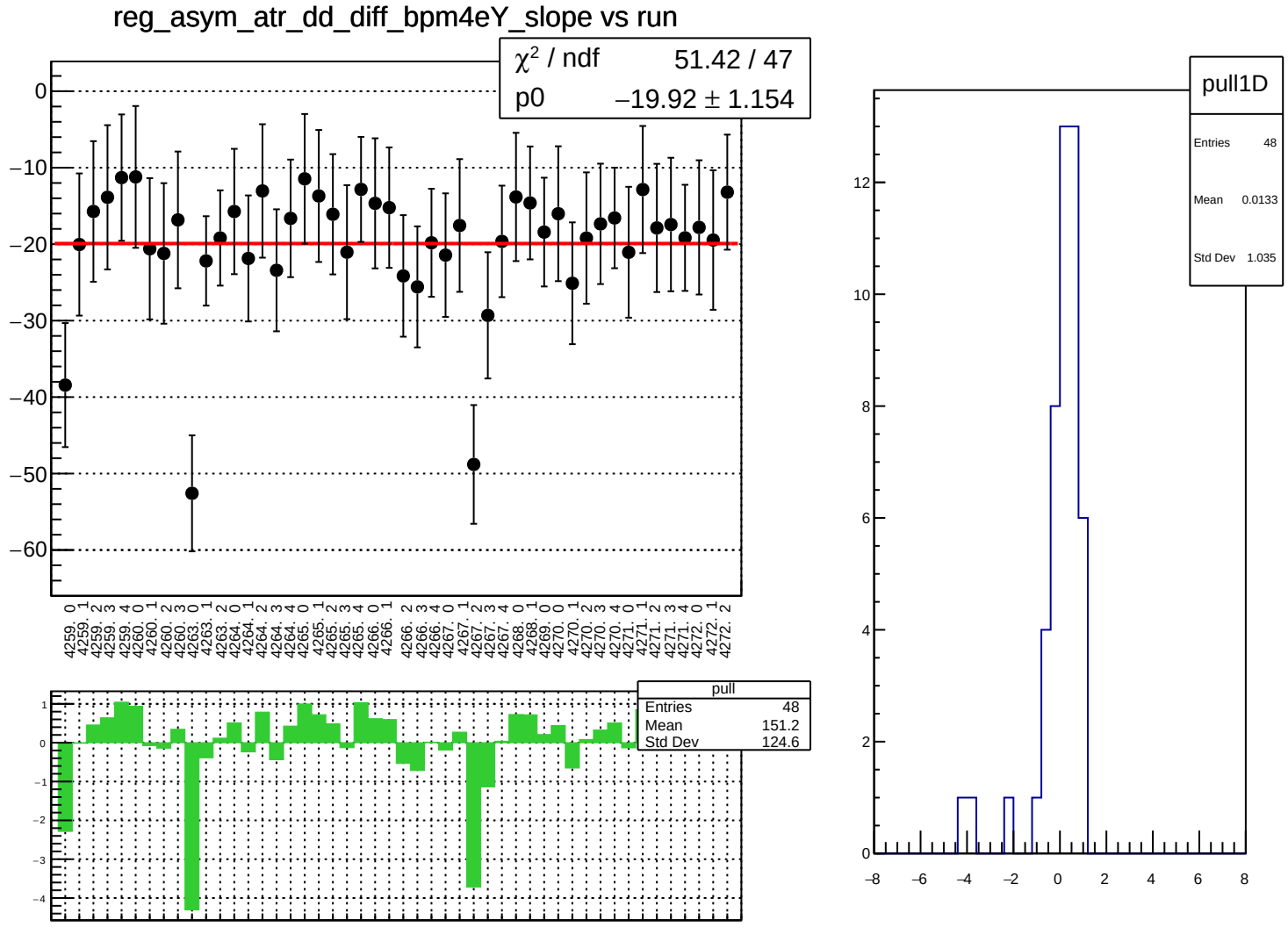

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.65 / 47
p0 54.79 ± 0.9579
pull
Entries 48
Mean 540.3
Std Dev 519.9

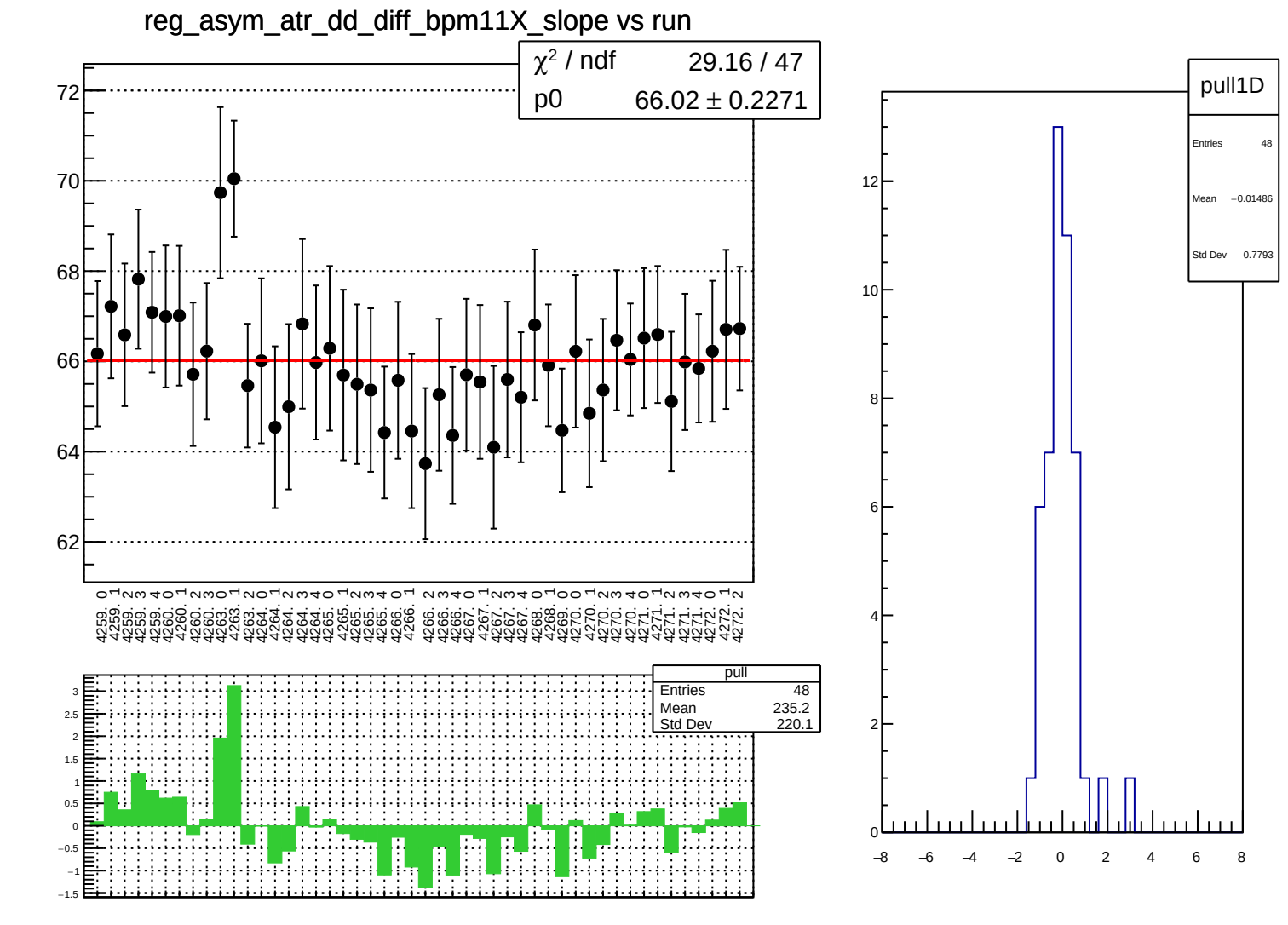

pull1D
Entries 48
Mean 0.007205
Std Dev 0.5133

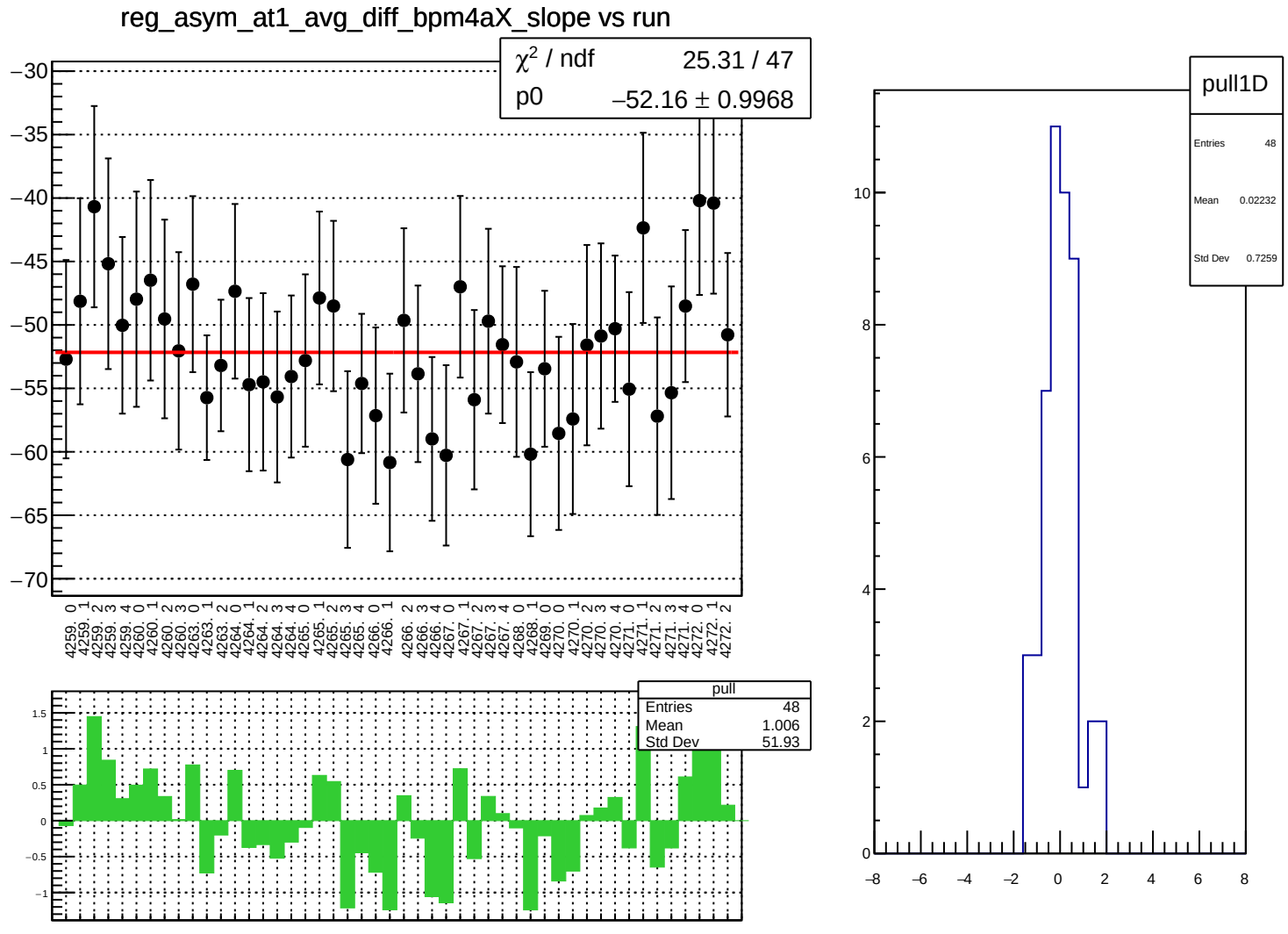

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.64 / 47
p0 −0.3246 ± 0.6796
pull
Entries 48
Mean 171.6
Std Dev 144.5

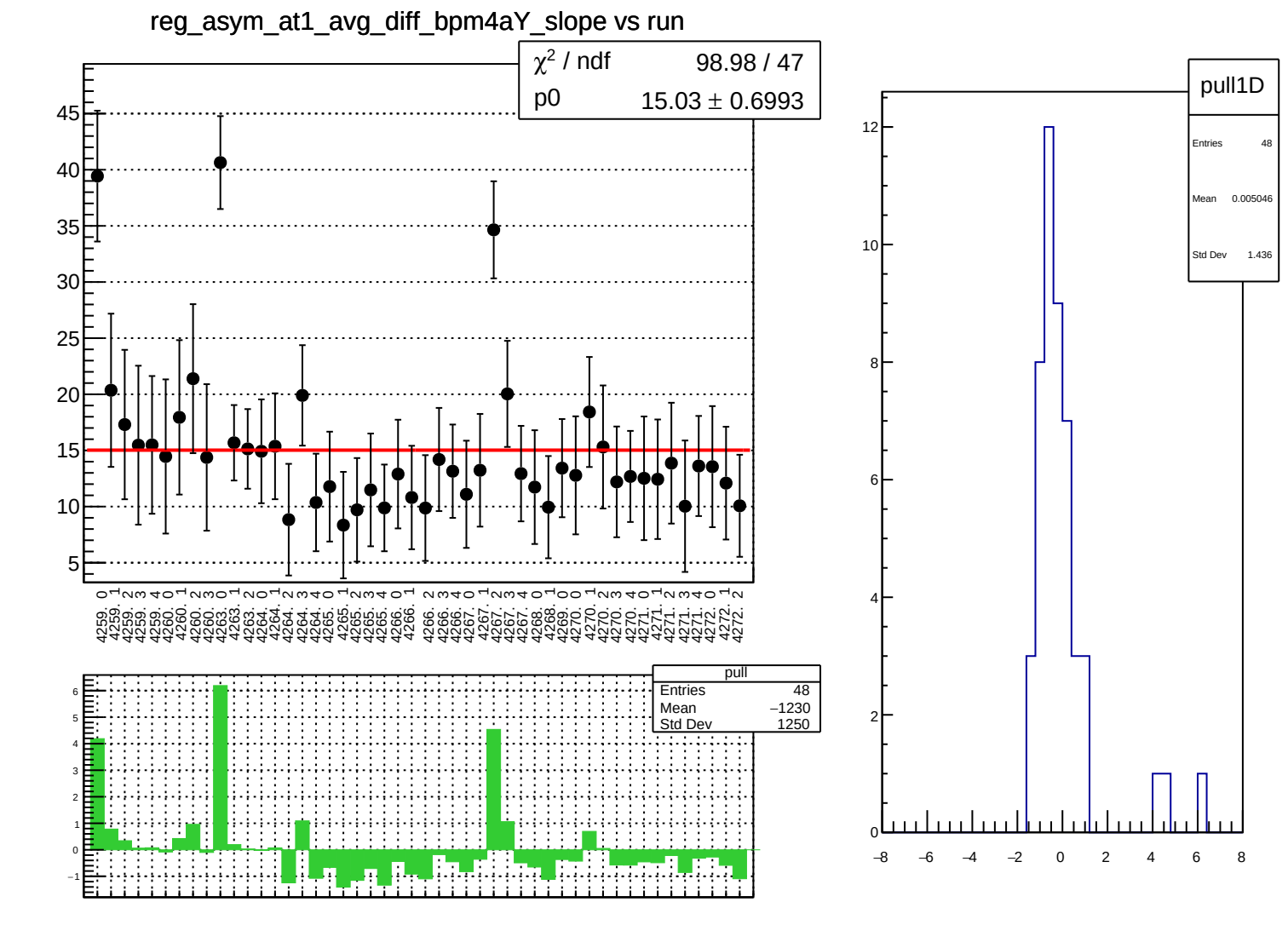

pull1D
Entries 48
Mean −0.009603
Std Dev 0.9857

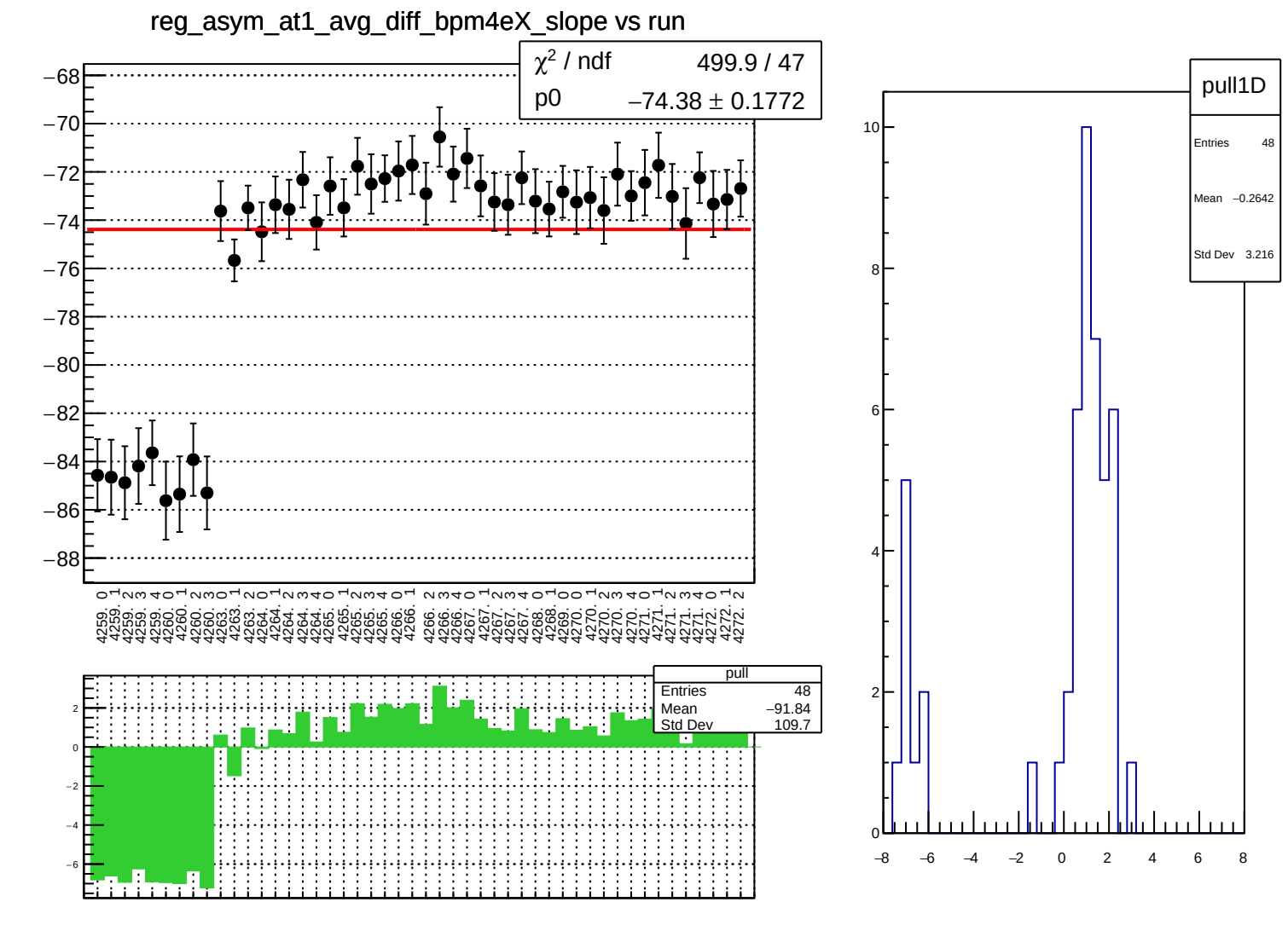

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.81 / 47
p0 −70.92 ± 0.1711
−68
−69
−70
−71
−72
−73
−74
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1952
Std Dev 1901
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.0005986
Std Dev 0.5918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

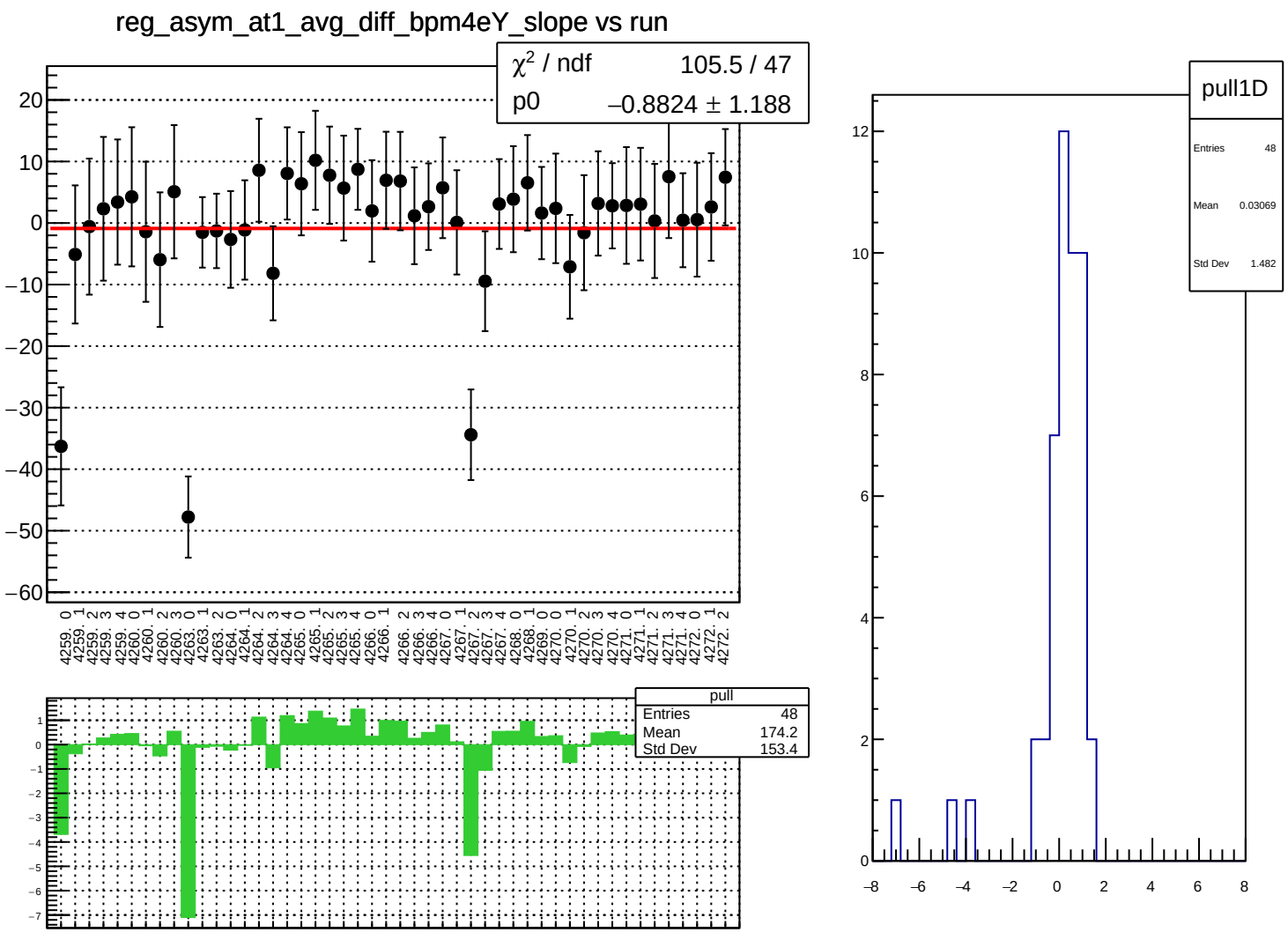

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.42 / 47
p0 −19.92 ± 1.154
pull
Entries 48
Mean 151.2
Std Dev 124.6
pull1D
Entries 48
Mean 0.0133
Std Dev 1.035

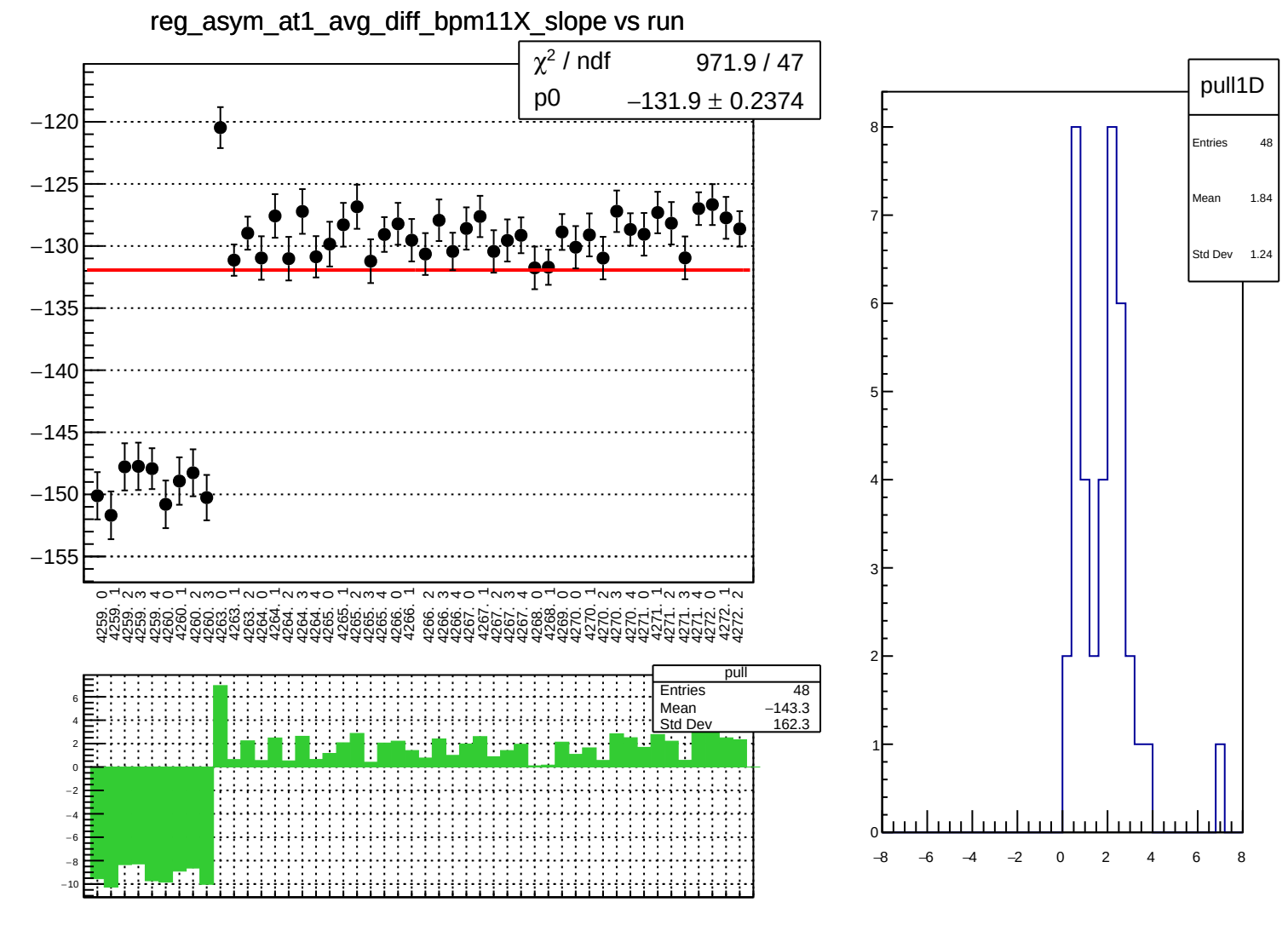

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 29.16 / 47
p0 66.02 ± 0.2271
72
70
68
66
64
62
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 235.2
Std Dev 220.1
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean −0.01486
Std Dev 0.7793
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

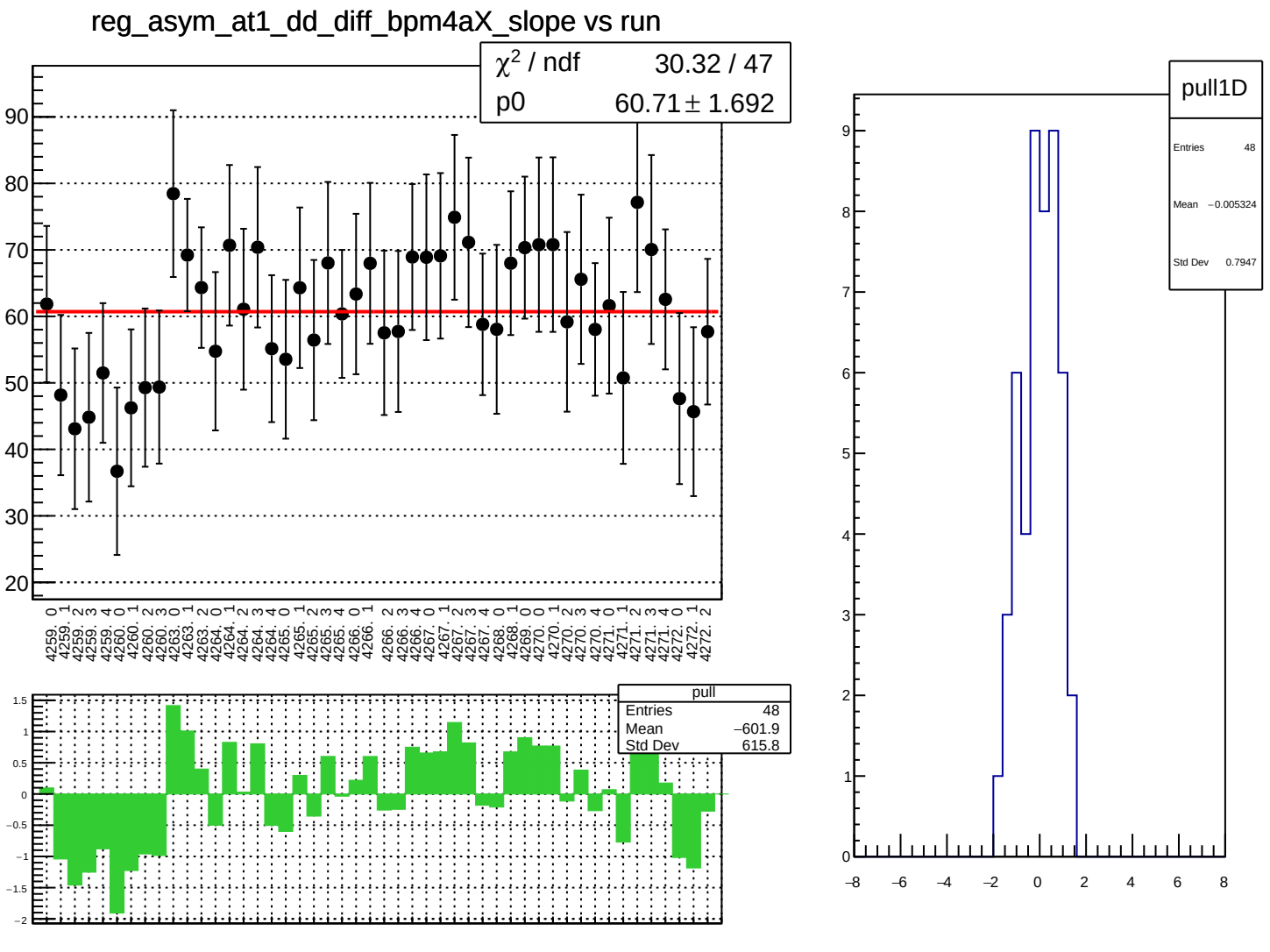

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 25.31 / 47
p0 −52.16 ± 0.9968
pull
Entries 48
Mean 1.006
Std Dev 51.93
pull1D
Entries 48
Mean 0.02232
Std Dev 0.7259

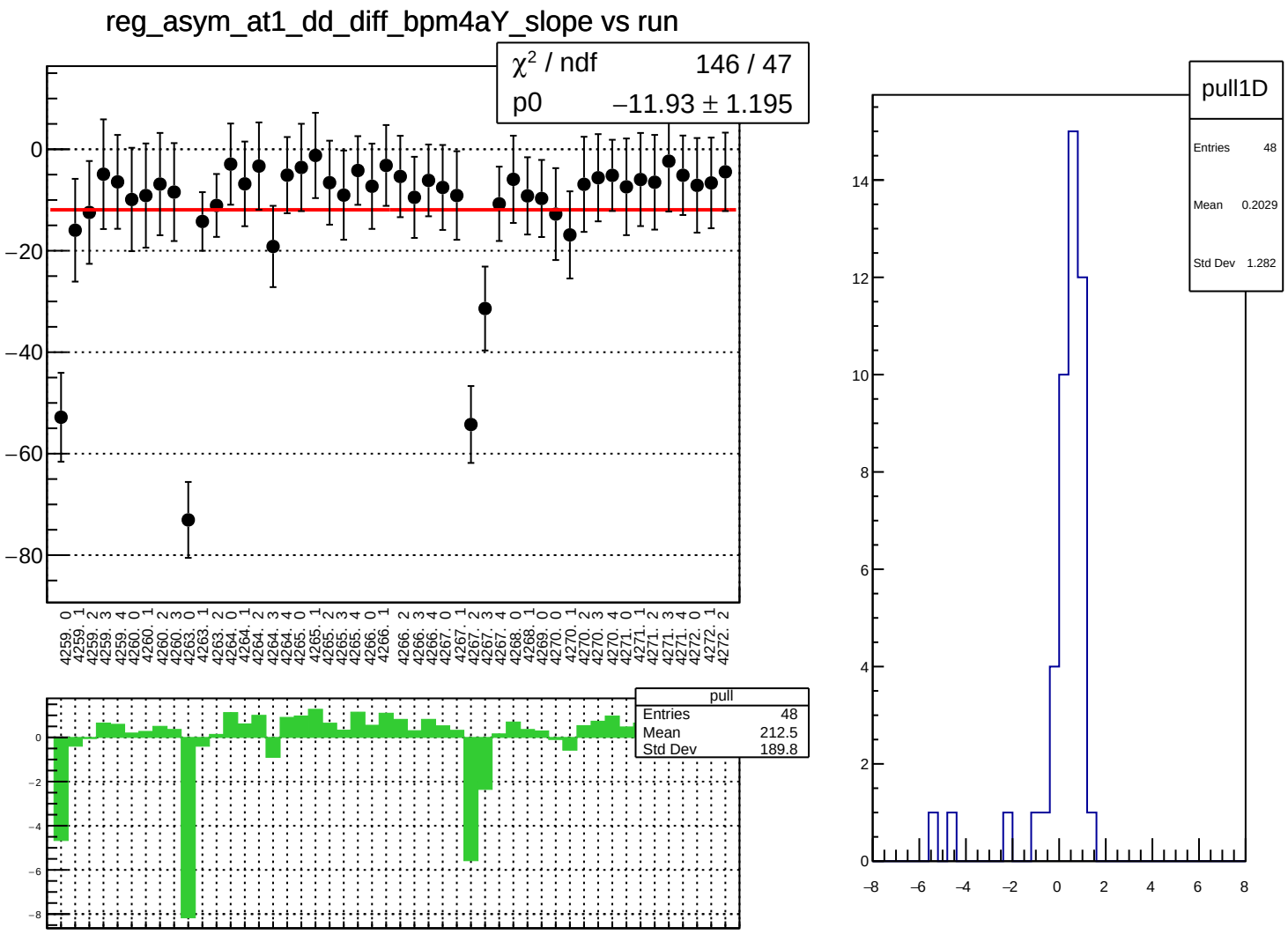

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 98.98 / 47
p0 15.03 ± 0.6993
pull
Entries 48
Mean −1230
Std Dev 1250
pull1D
Entries 48
Mean 0.005046
Std Dev 1.436

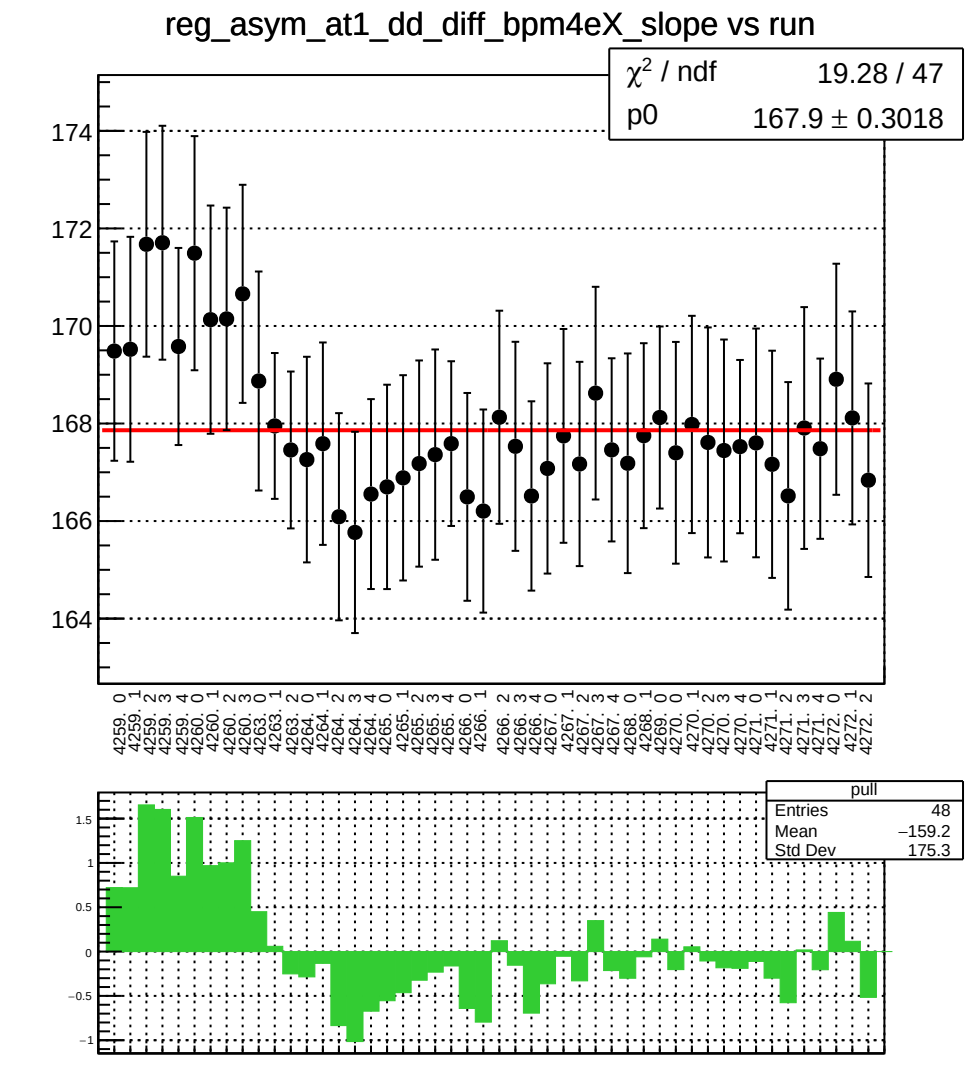

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 499.9 / 47
p0 −74.38 ± 0.1772
pull
Entries 48
Mean −91.84
Std Dev 109.7
pull1D
Entries 48
Mean −0.2642
Std Dev 3.216

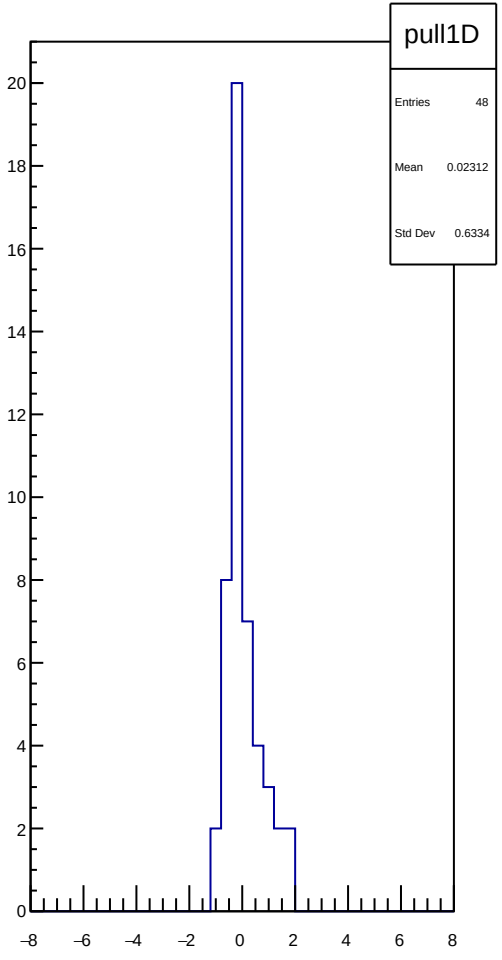

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 105.5 / 47
p0 −0.8824 ± 1.188
pull
Entries 48
Mean 174.2
Std Dev 153.4
pull1D
Entries 48
Mean 0.03069
Std Dev 1.482

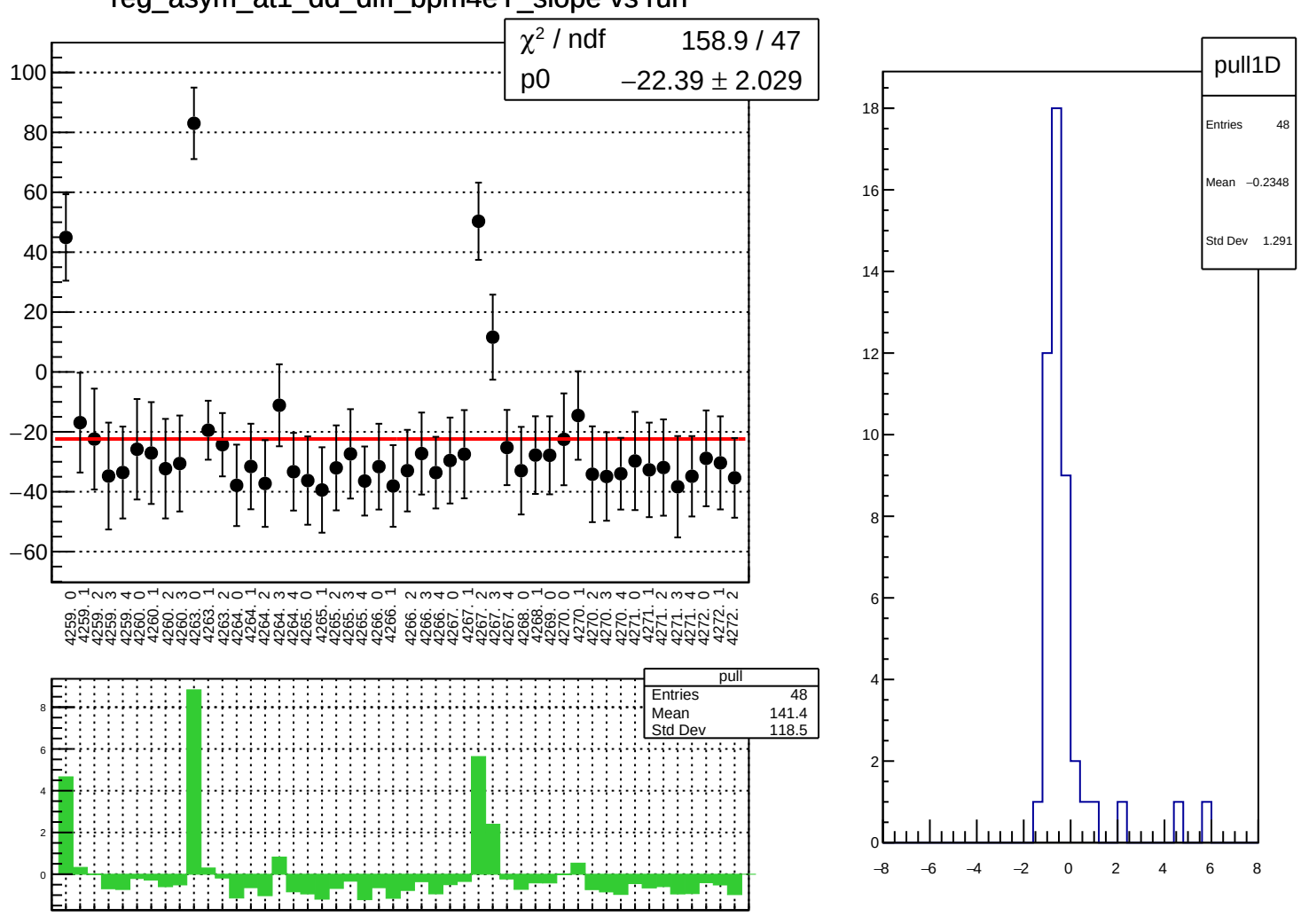

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 971.9 / 47
p0 −131.9 ± 0.2374
pull
Entries 48
Mean −143.3
Std Dev 162.3
pull1D
Entries 48
Mean 1.84
Std Dev 1.24

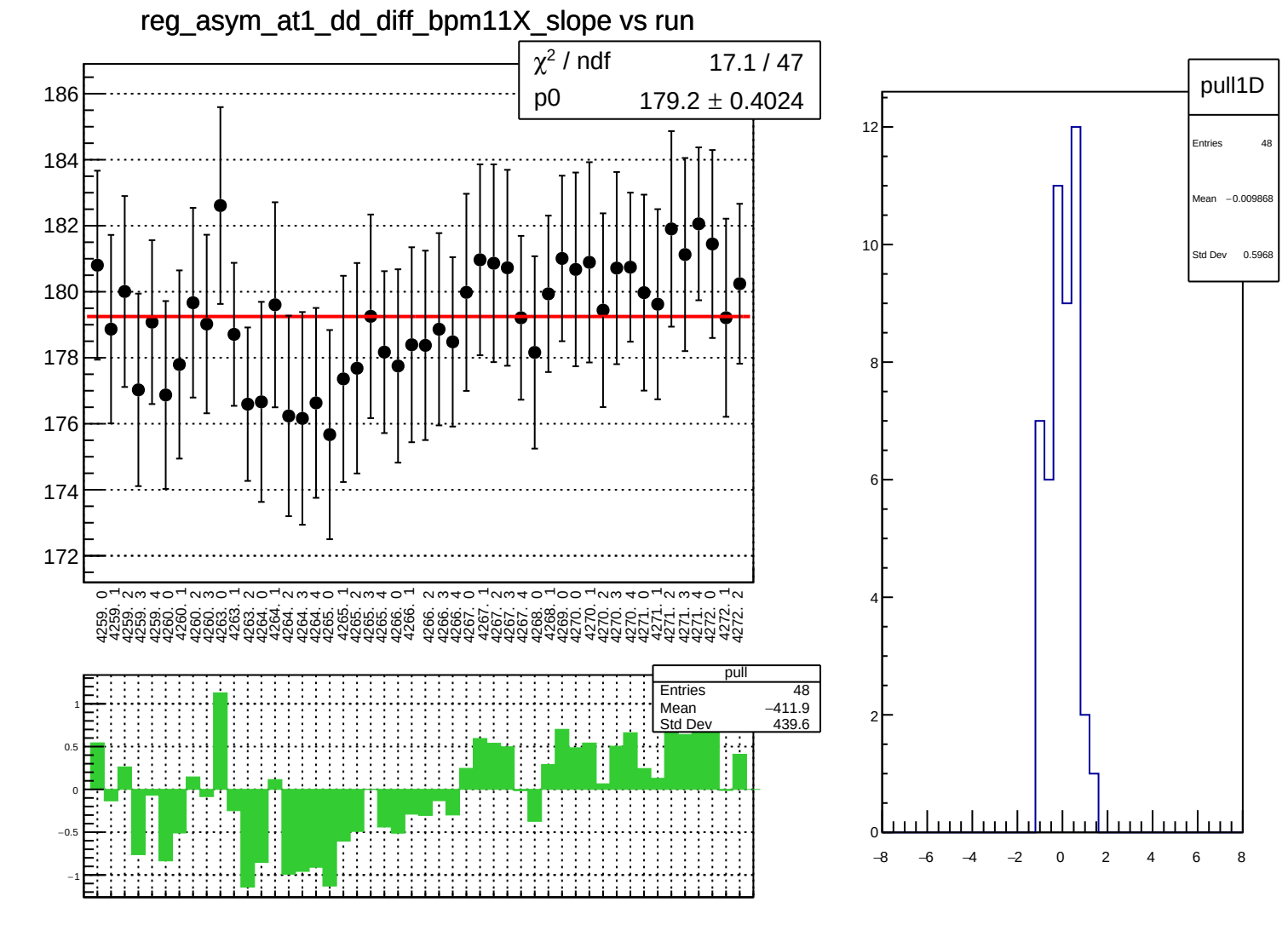

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 30.32 / 47
p0 60.71 ± 1.692
pull
Entries 48
Mean −601.9
Std Dev 615.8
pull1D
Entries 48
Mean −0.005324
Std Dev 0.7947

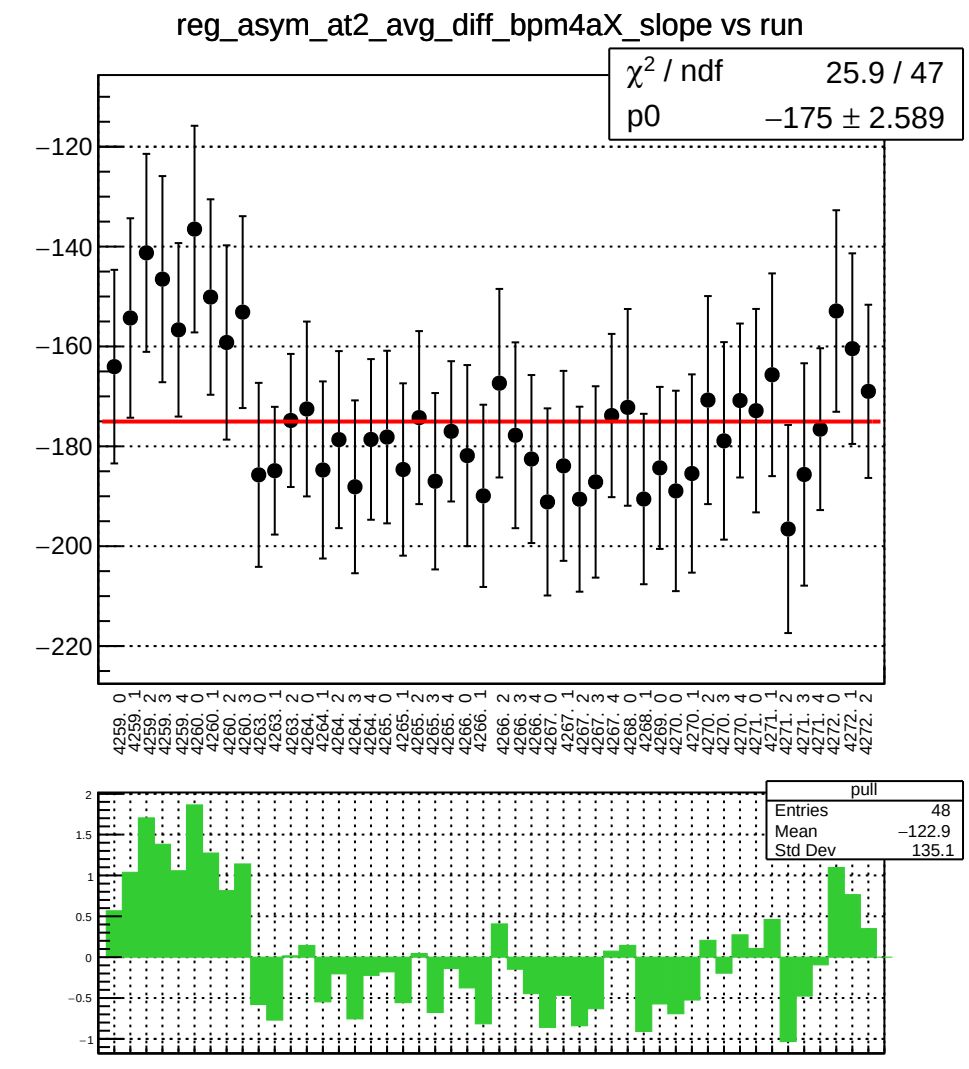

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 146 / 47
p0 −11.93 ± 1.195
0
−20
−40
−60
−80
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 212.5
Std Dev 189.8
0
−2
−4
−6
−8
pull1D
Entries 48
Mean 0.2029
Std Dev 1.282
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

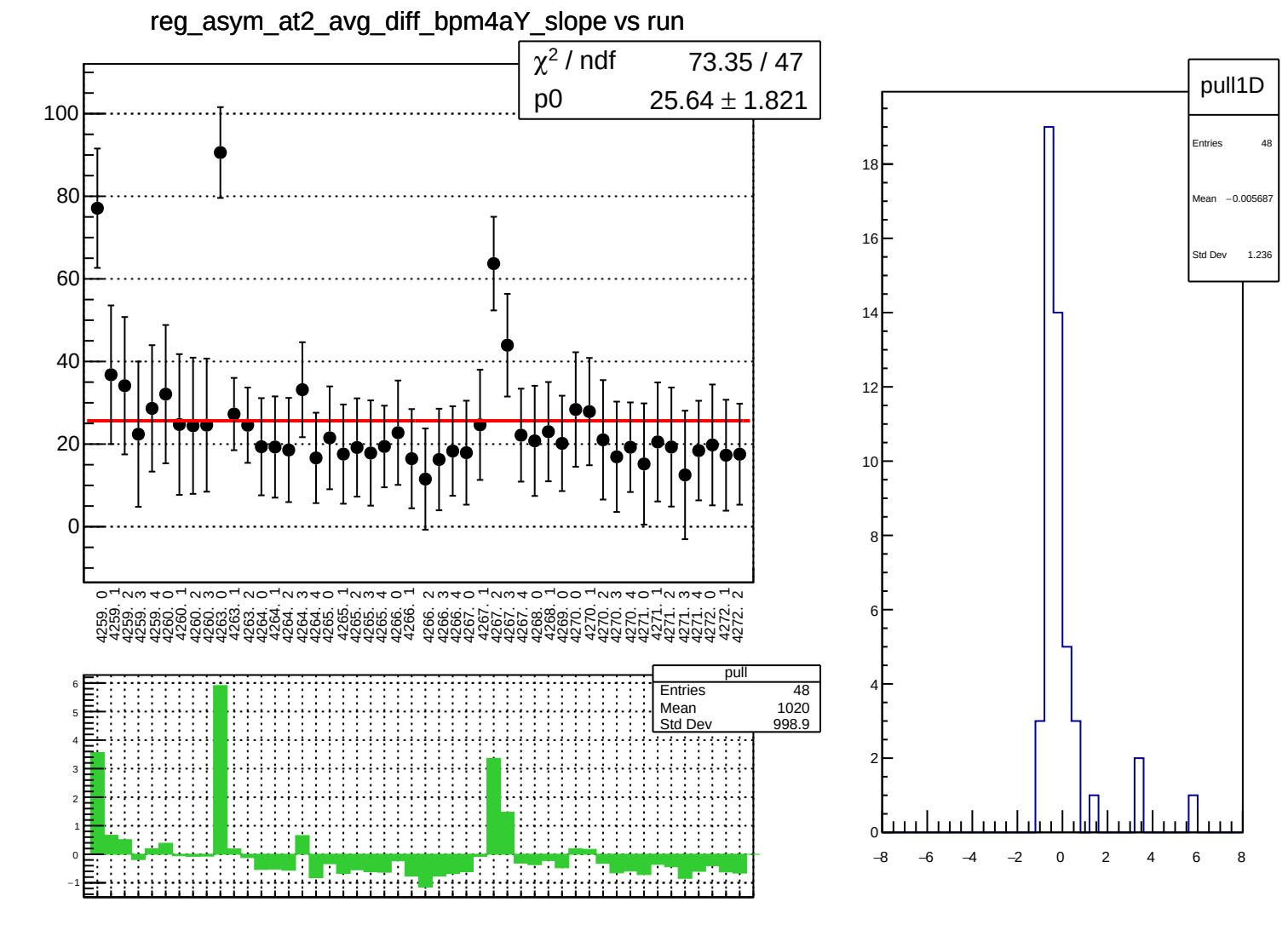

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.28 / 47
p0 167.9 ± 0.3018
174
172
170
168
166
164
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −159.2
Std Dev 175.3
1.5
1
0.5
0
−0.5
−1

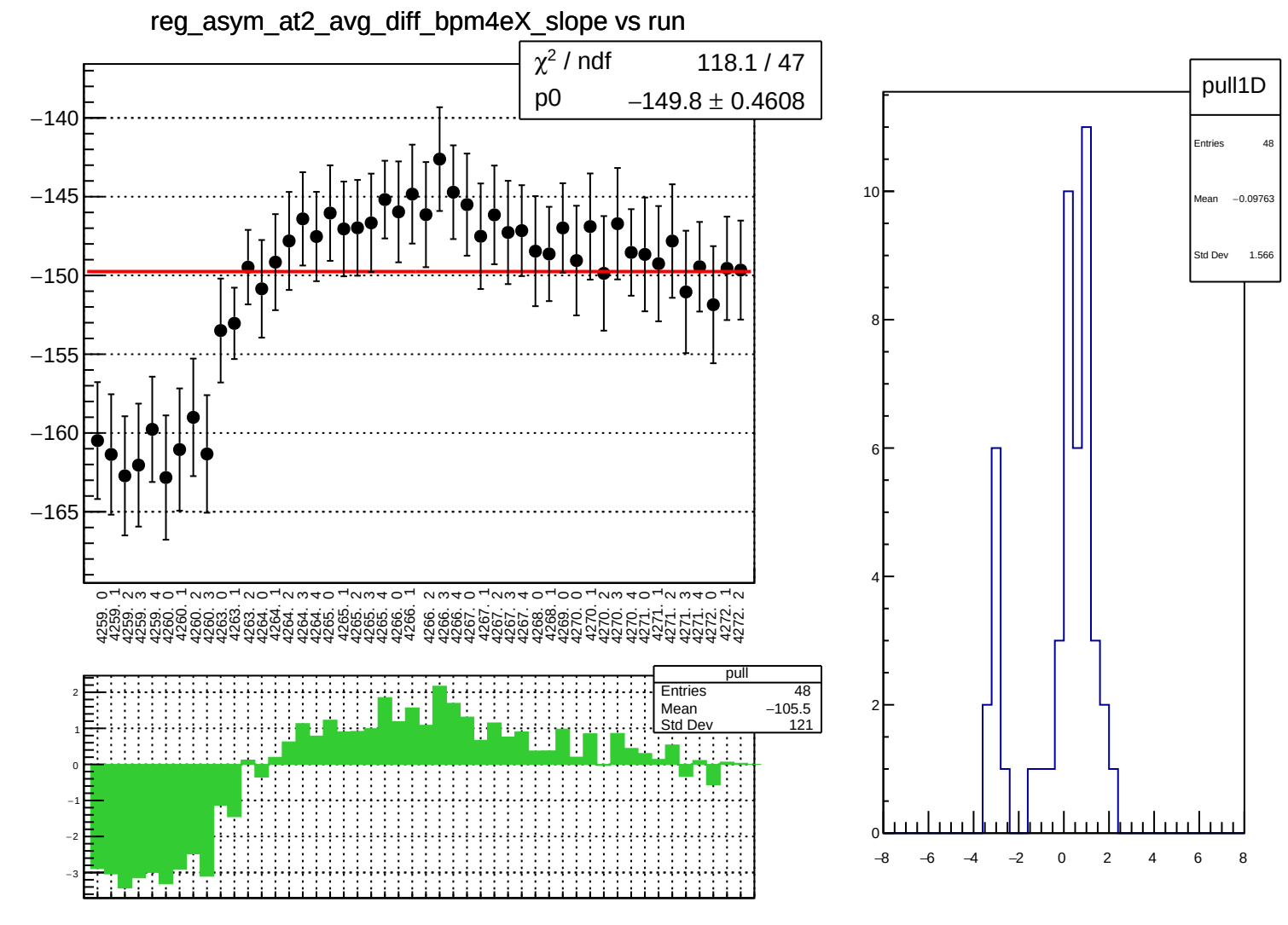

pull1D
Entries 48
Mean 0.02312
Std Dev 0.6334
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

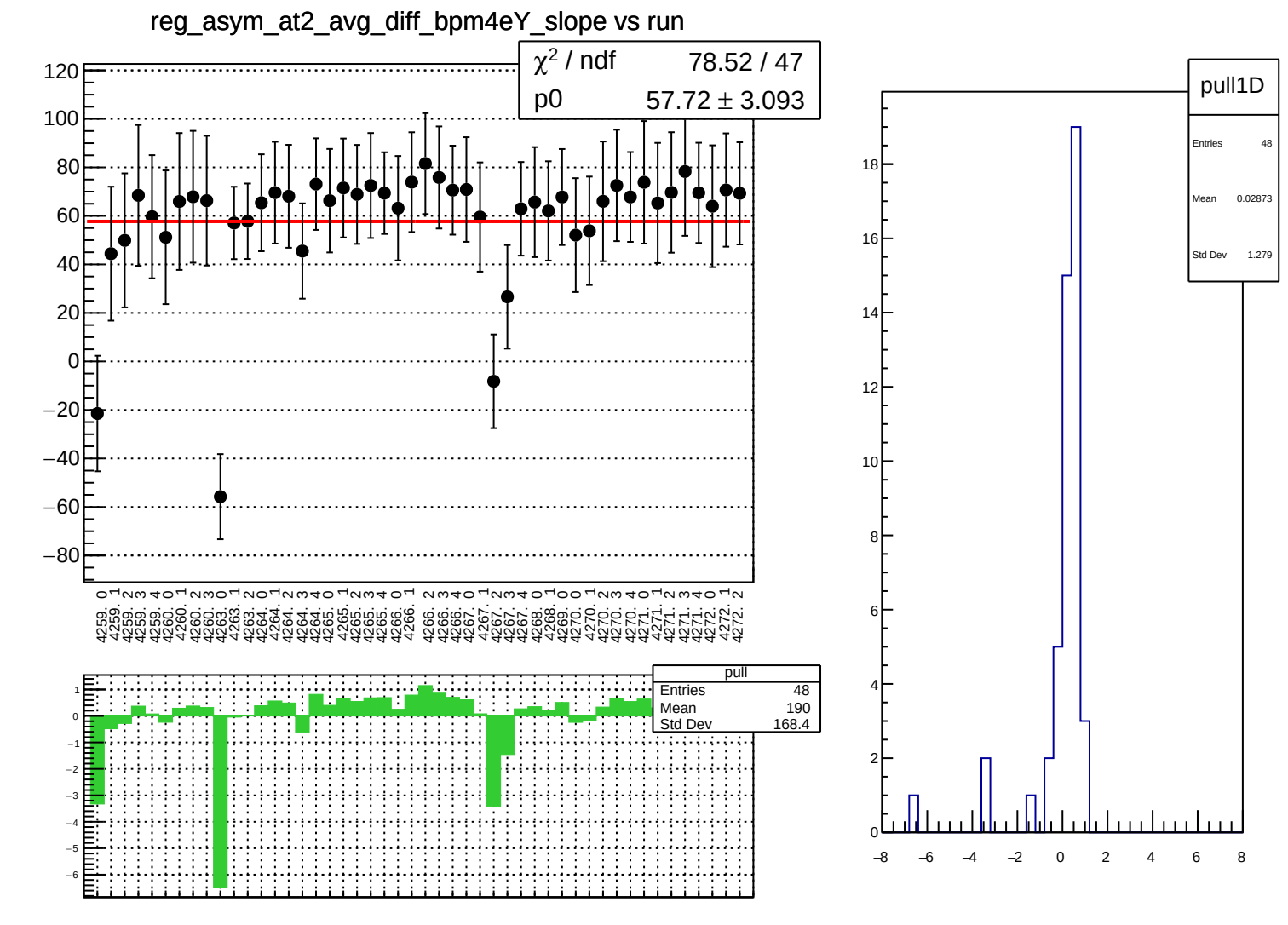

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 158.9 / 47
p0 −22.39 ± 2.029
pull
Entries 48
Mean 141.4
Std Dev 118.5
pull1D
Entries 48
Mean −0.2348
Std Dev 1.291

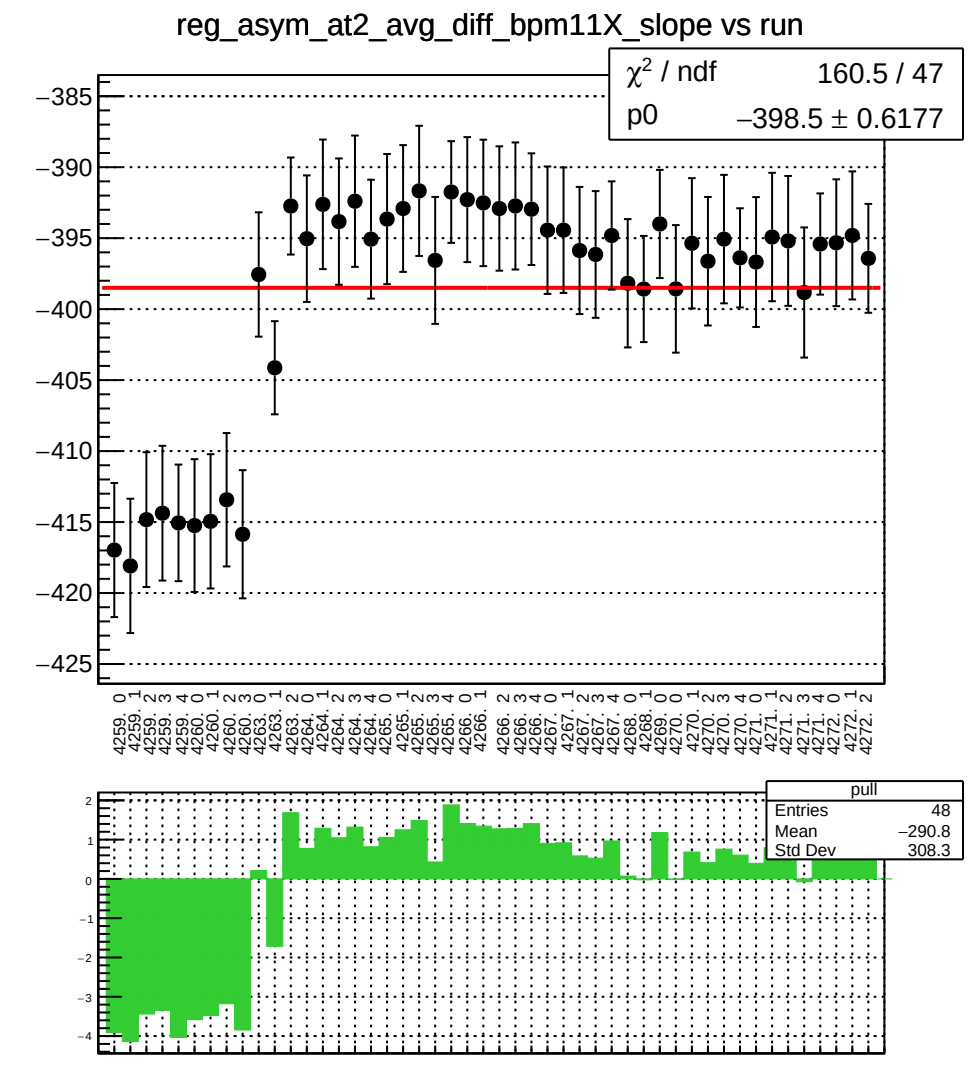

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 17.1 / 47
p0 179.2 ± 0.4024
pull
Entries 48
Mean −411.9
Std Dev 439.6
pull1D
Entries 48
Mean −0.009868
Std Dev 0.5968

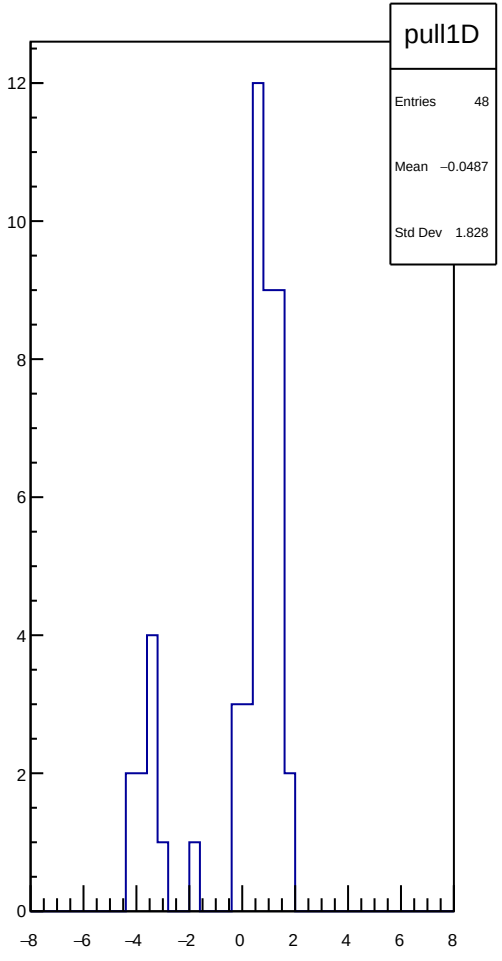

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 25.9 / 47
p0 −175 ± 2.589
−120
−140
−160
−180
−200
−220
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −122.9
Std Dev 135.1
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.02543
Std Dev 0.7341
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

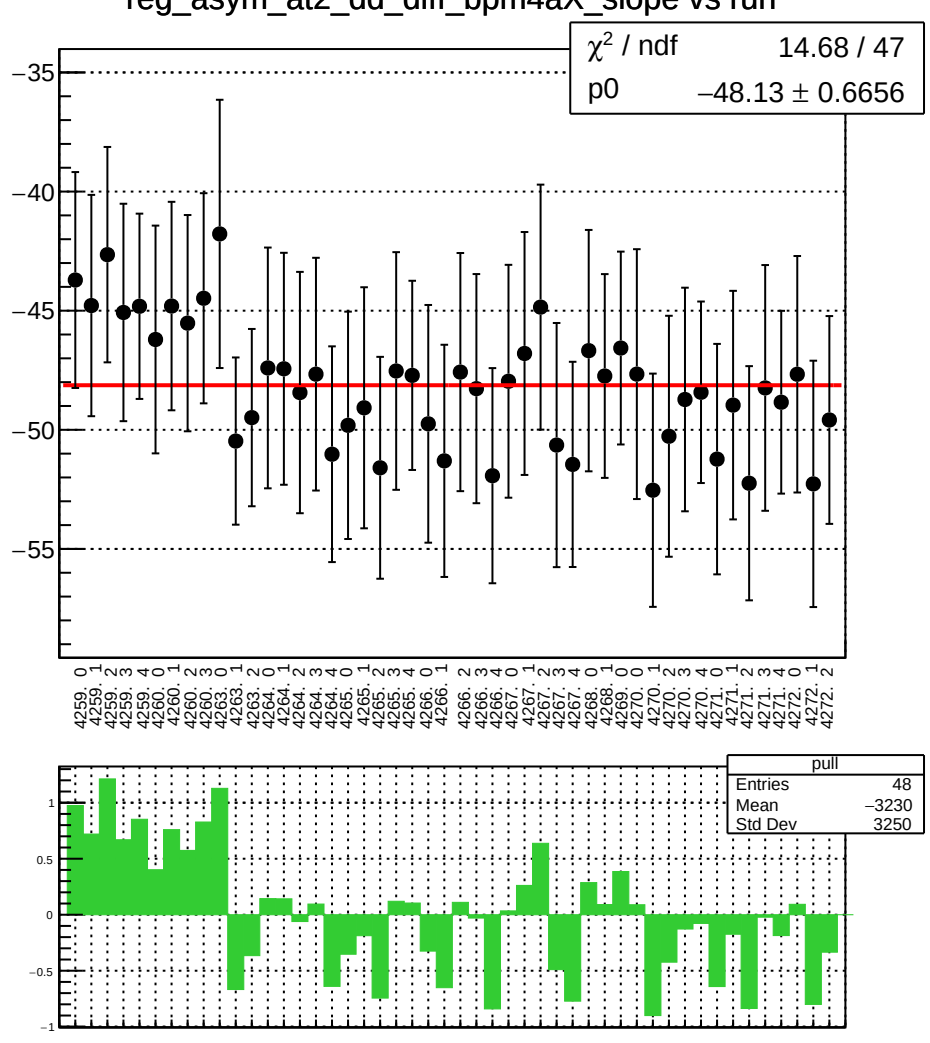

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.35 / 47
p0 25.64 ± 1.821
100
80
60
40
20
0
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 1020
Std Dev 998.9
6
5
4
3
2
1
0
−1
pull1D
Entries 48
Mean −0.005687
Std Dev 1.236
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

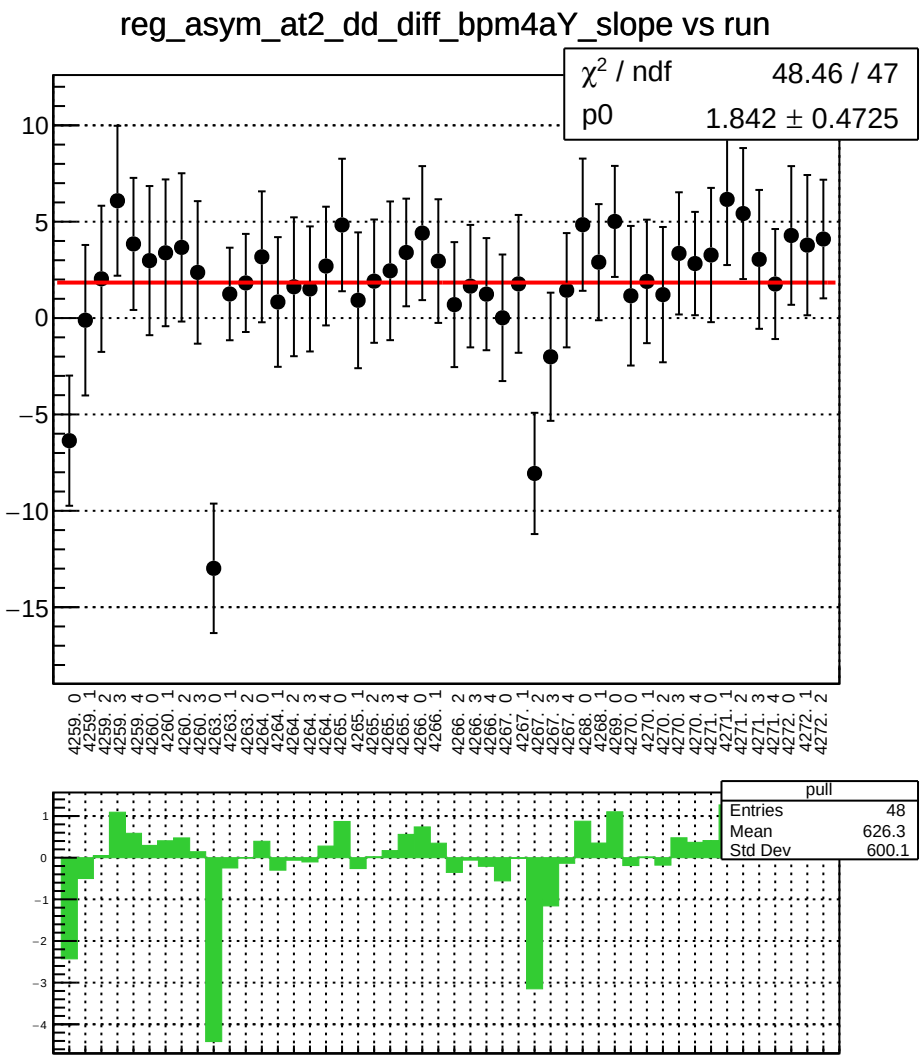

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 118.1 / 47
p0 −149.8 ± 0.4608
−140
−145
−150
−155
−160
−165
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −105.5
Std Dev 121
2
1
0
−1
−2
−3
pull1D
Entries 48
Mean −0.09763
Std Dev 1.566
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

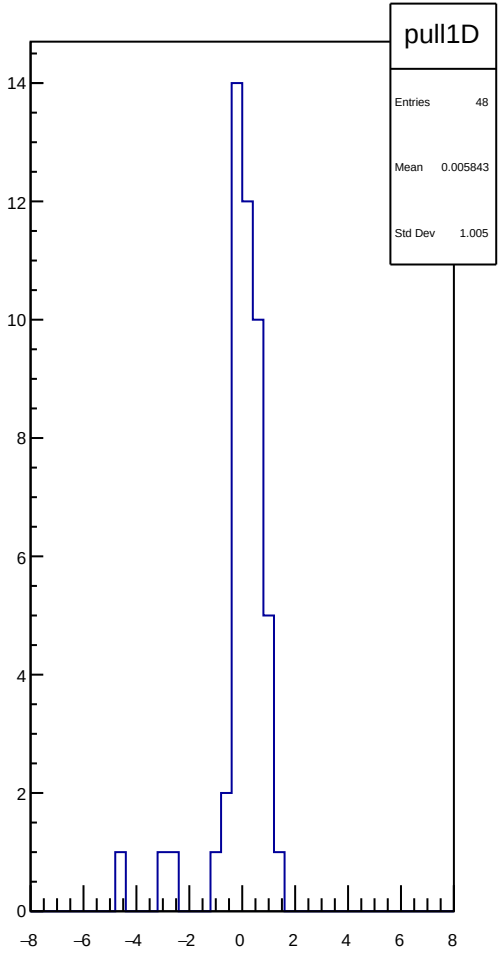

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 78.52 / 47
p0 57.72 ± 3.093
pull
Entries 48
Mean 190
Std Dev 168.4
pull1D
Entries 48
Mean 0.02873
Std Dev 1.279

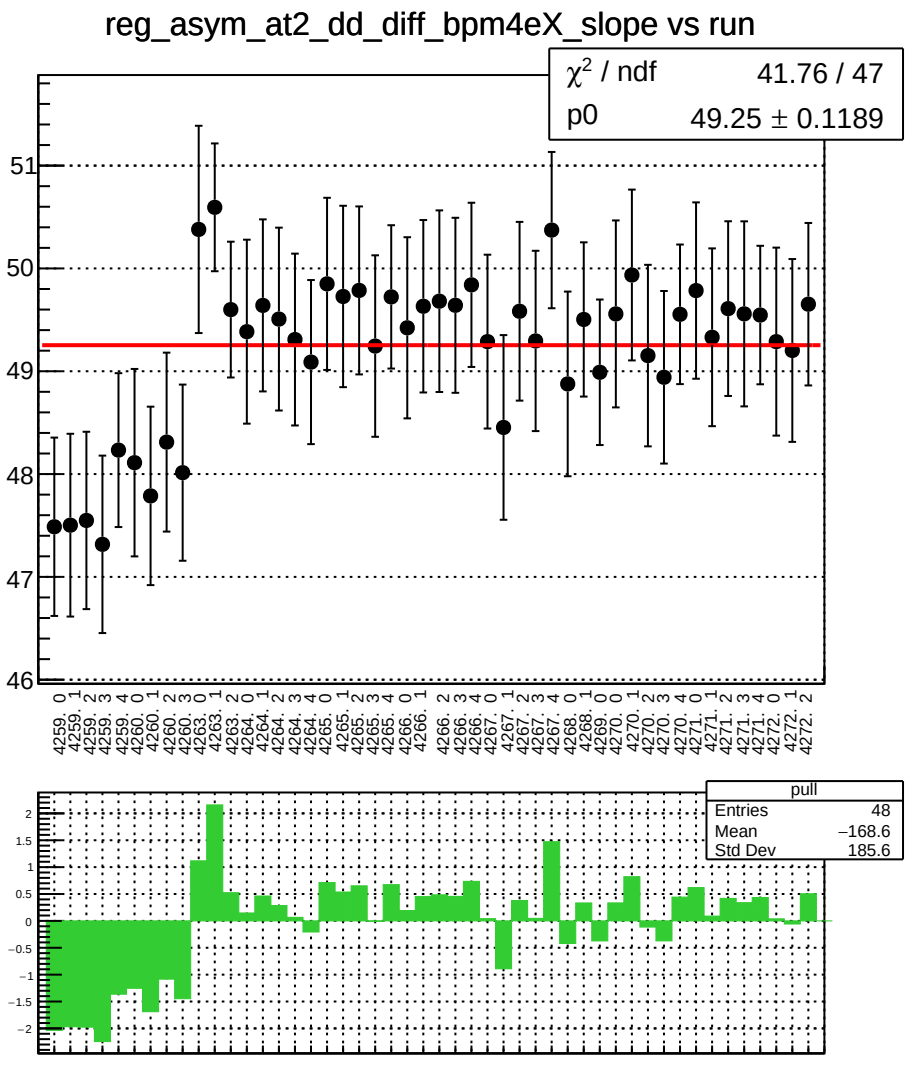

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 160.5 / 47
p0 −398.5 ± 0.6177
pull
Entries 48
Mean −290.8
Std Dev 308.3

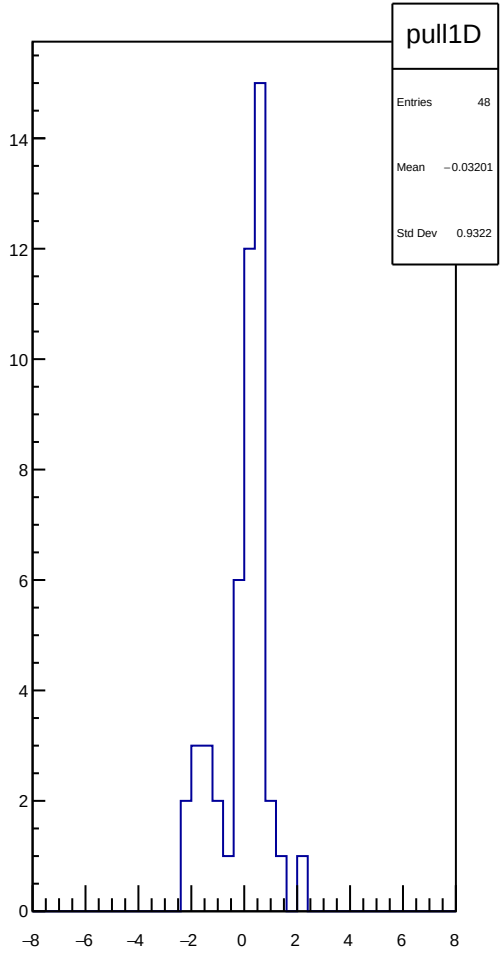

pull1D
Entries 48
Mean −0.0487
Std Dev 1.828

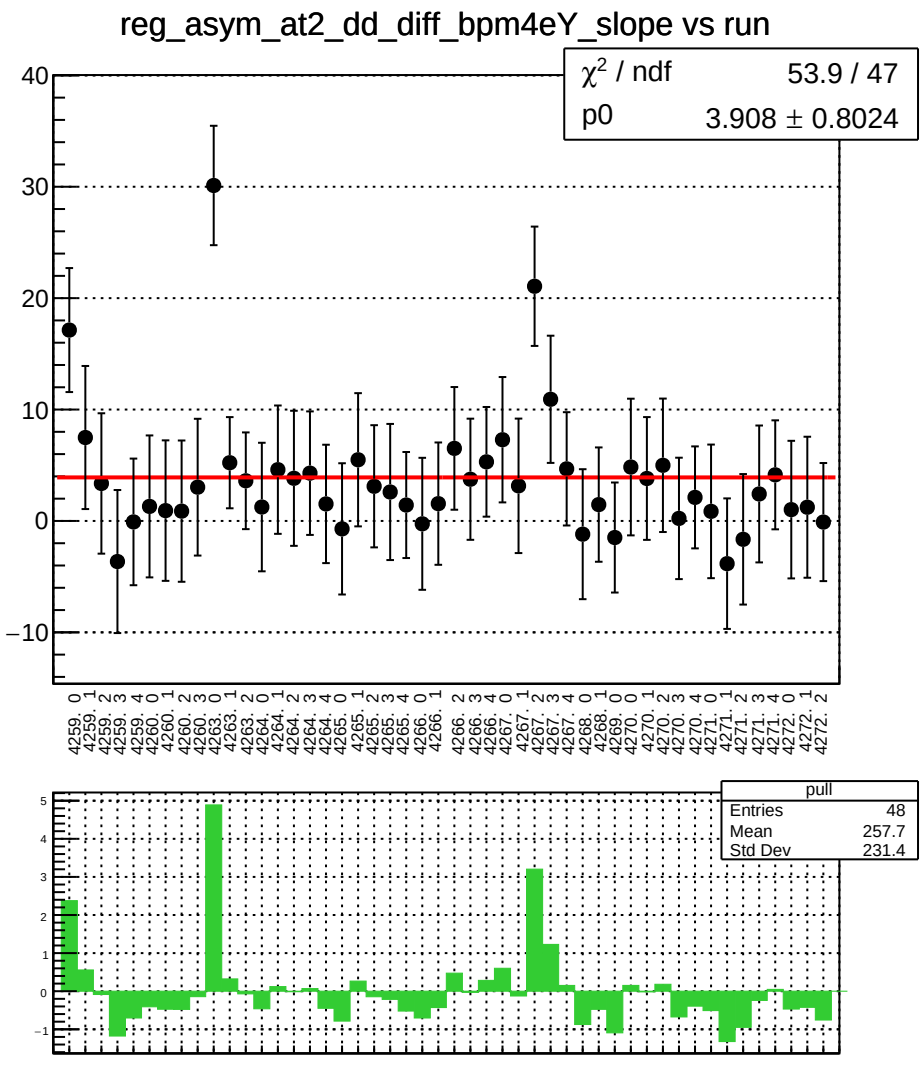

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.68 / 47
p0 −48.13 ± 0.6656
−35
−40
−45
−50
−55
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −3230
Std Dev 3250
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean 0.001333
Std Dev 0.553
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

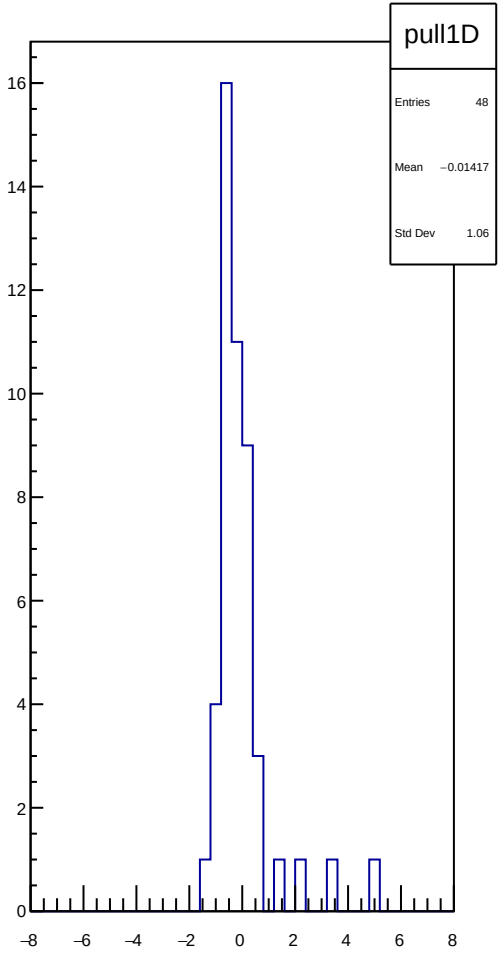

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.46 / 47
p0 1.842 ± 0.4725
pull
Entries 48
Mean 626.3
Std Dev 600.1

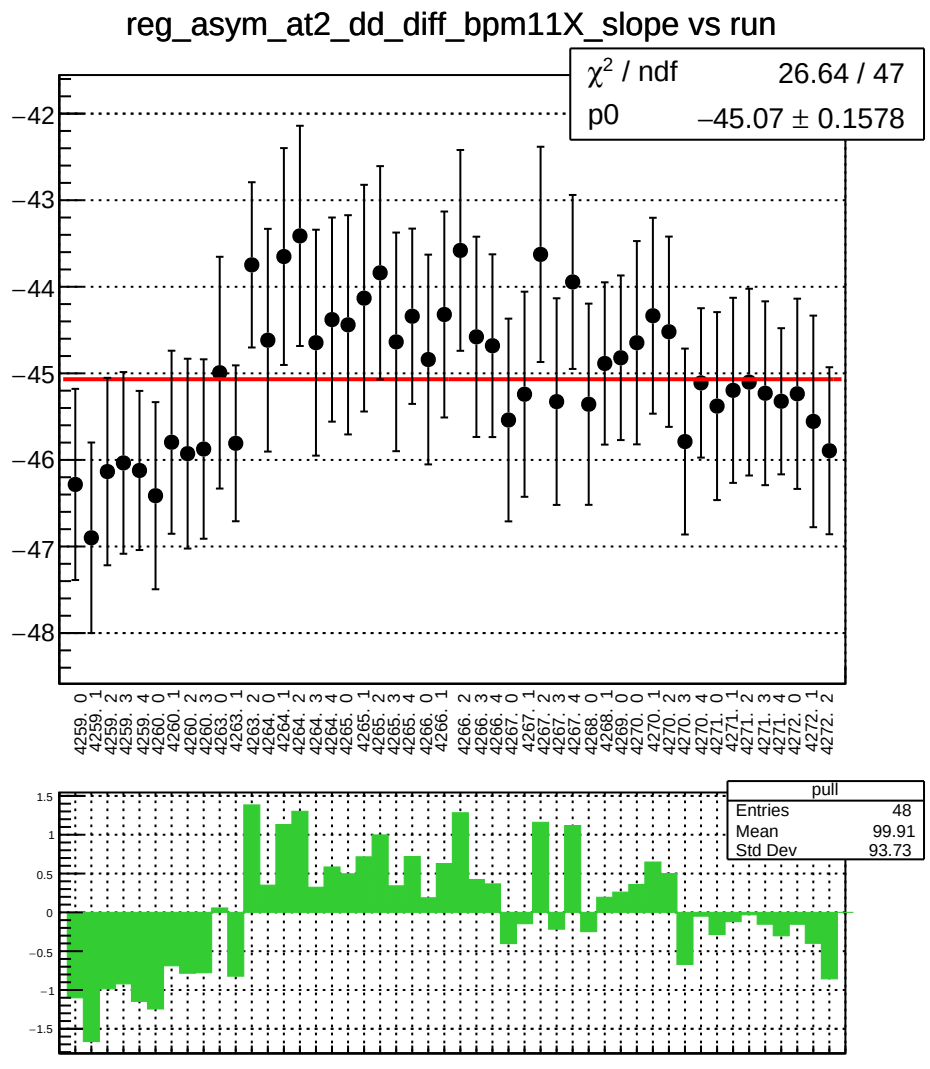

pull1D
Entries 48
Mean 0.005843
Std Dev 1.005

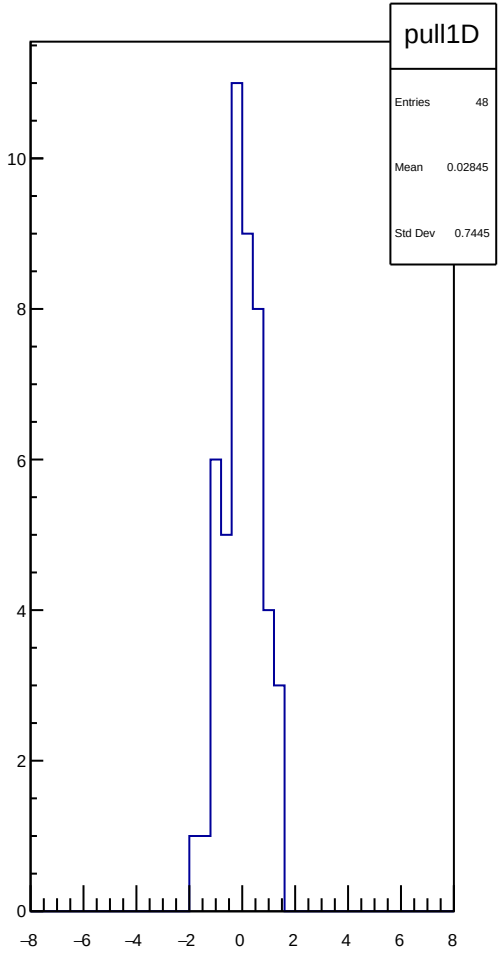

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.76 / 47
p0 49.25 ± 0.1189
51
50
49
48
47
46
pull
Entries 48
Mean −168.6
Std Dev 185.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

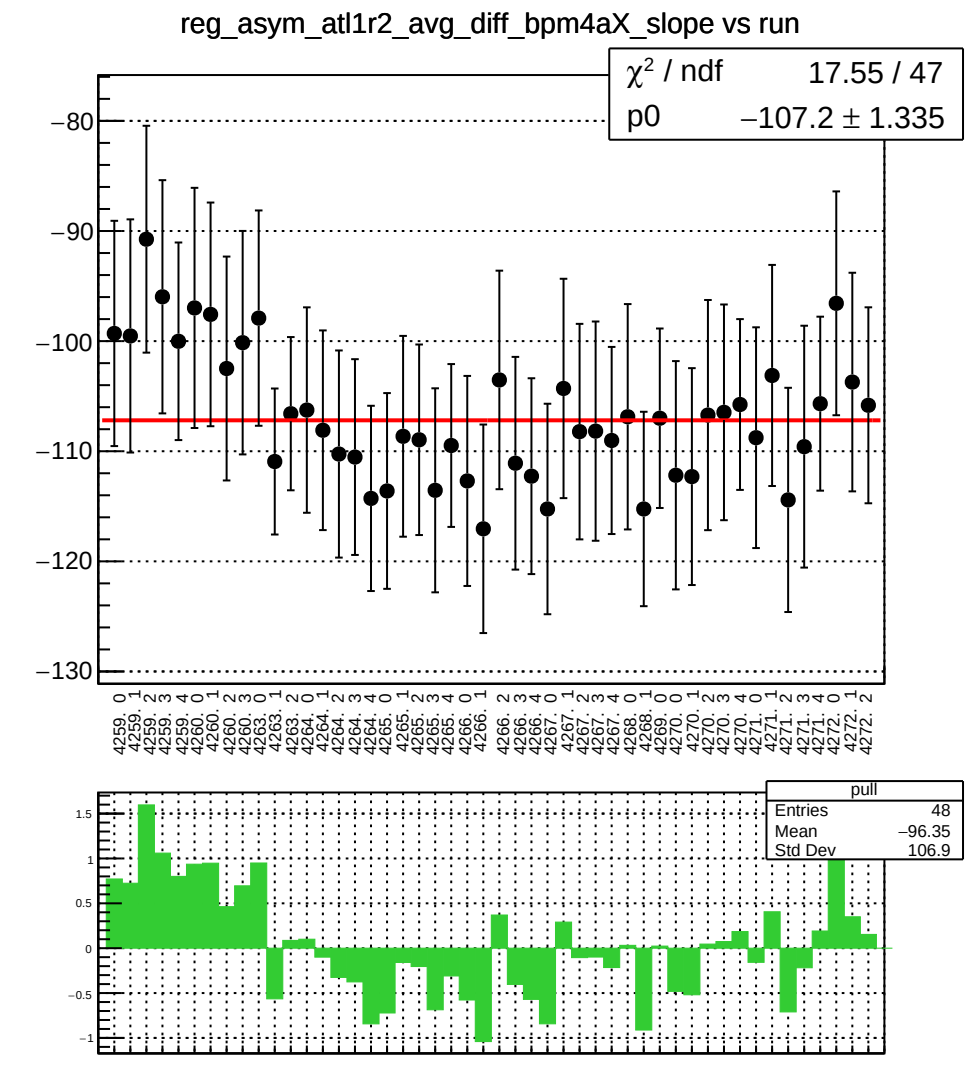

pull1D
Entries 48
Mean −0.03201
Std Dev 0.9322
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

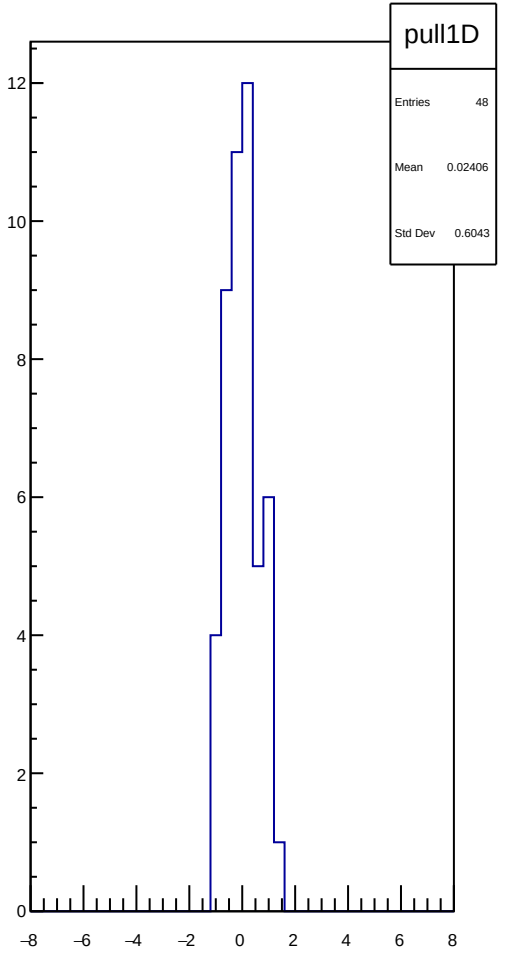

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.9 / 47
p0 3.908 ± 0.8024
pull
Entries 48
Mean 257.7
Std Dev 231.4

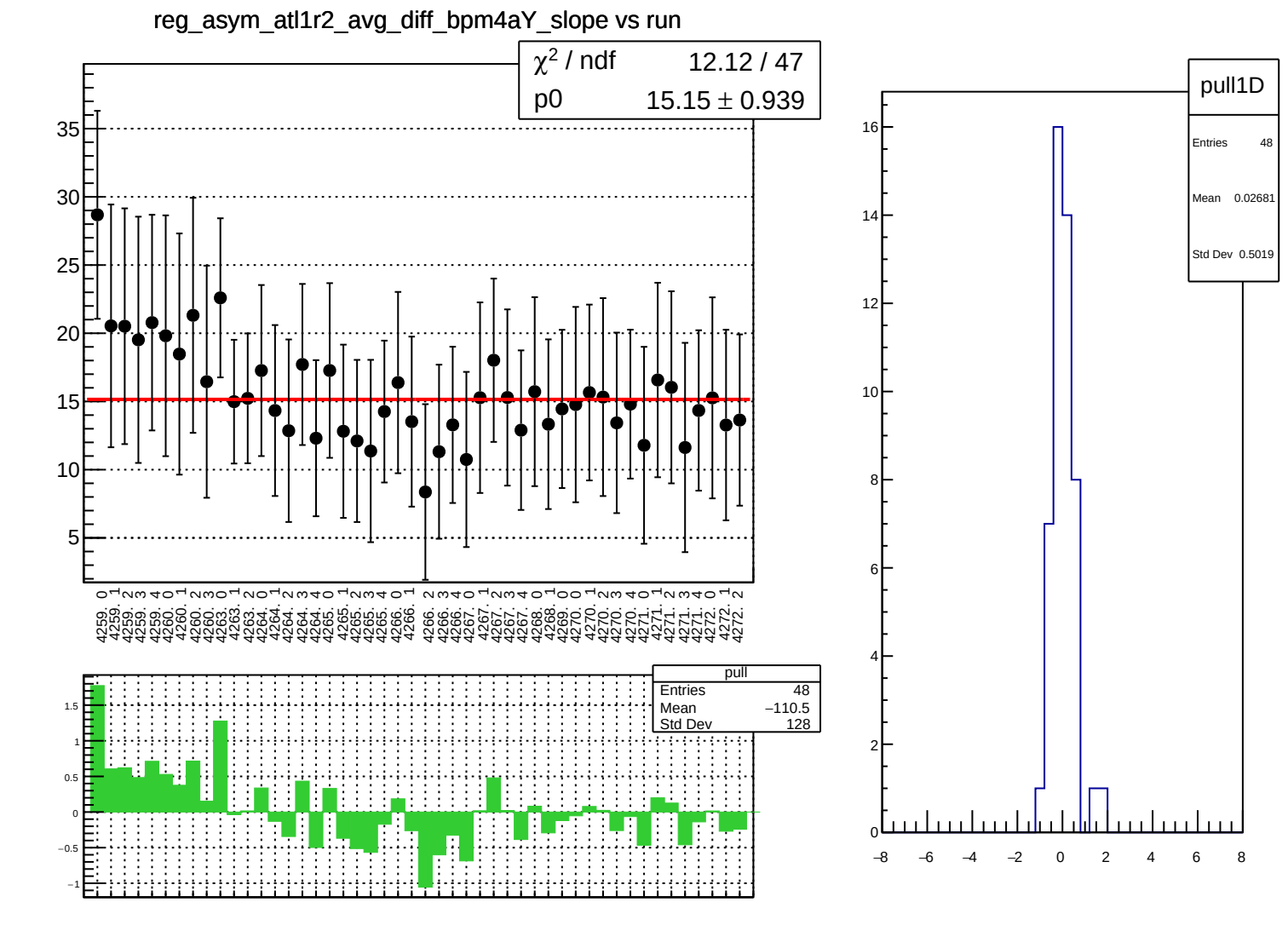

pull1D
Entries 48
Mean −0.01417
Std Dev 1.06

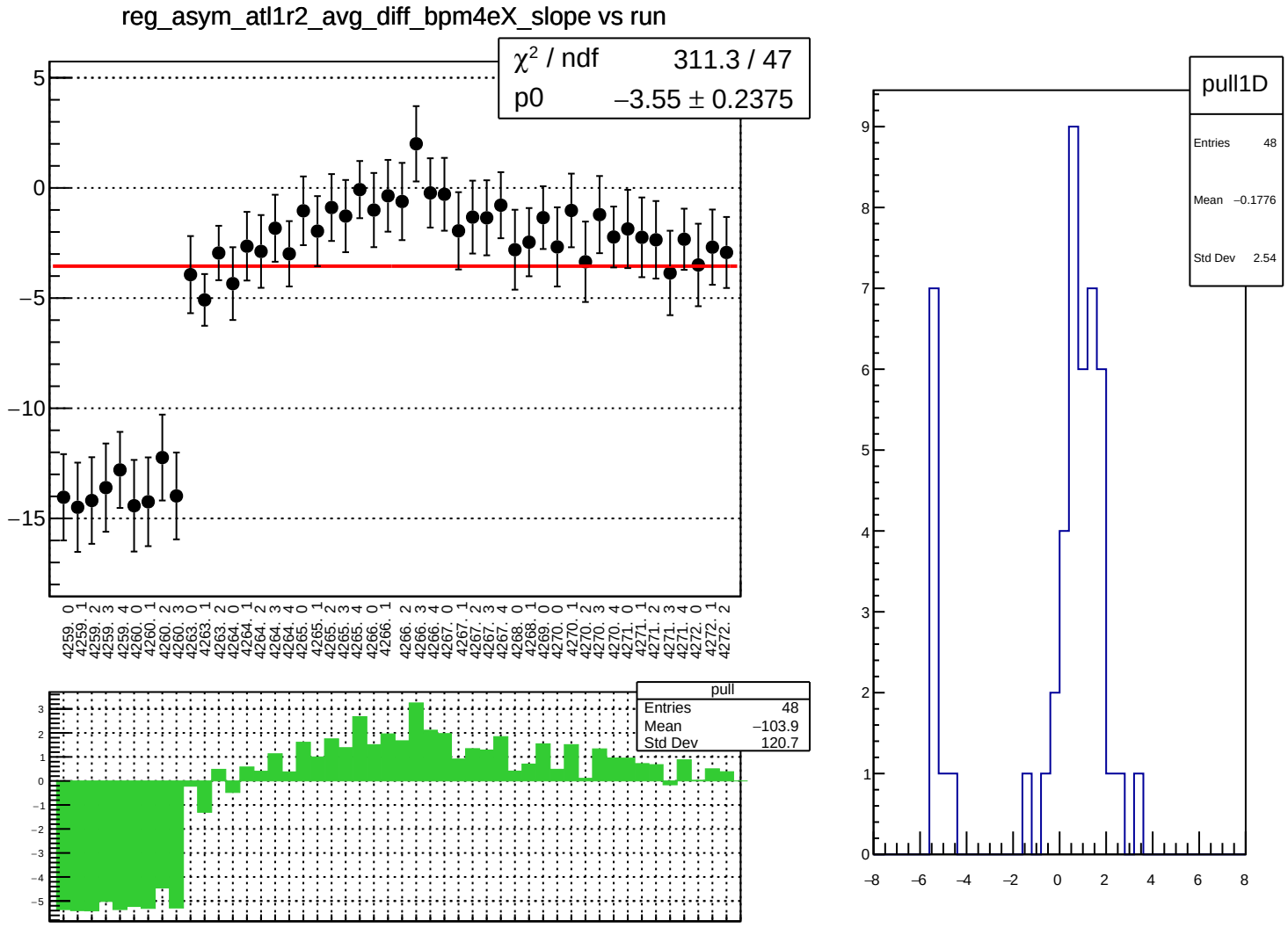

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 26.64 / 47
p0 −45.07 ± 0.1578
pull
Entries 48
Mean 99.91
Std Dev 93.73

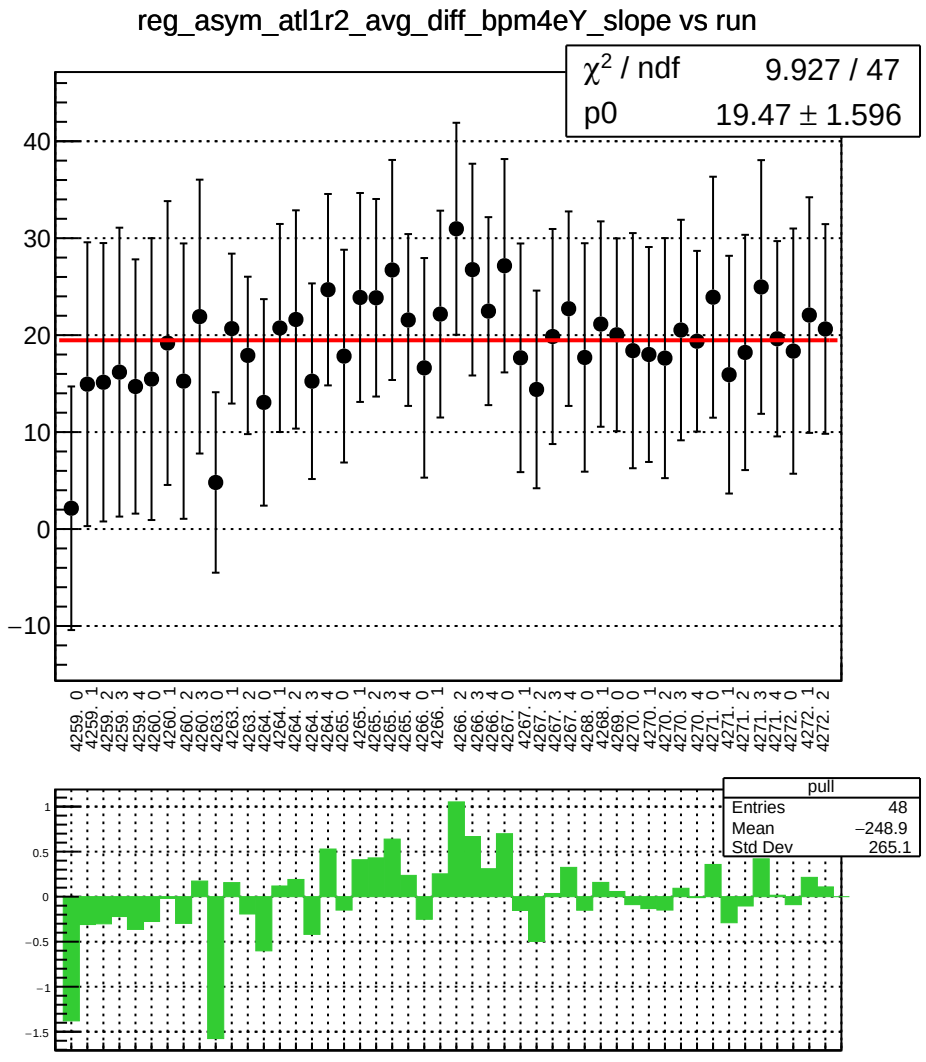

pull1D
Entries 48
Mean 0.02845
Std Dev 0.7445

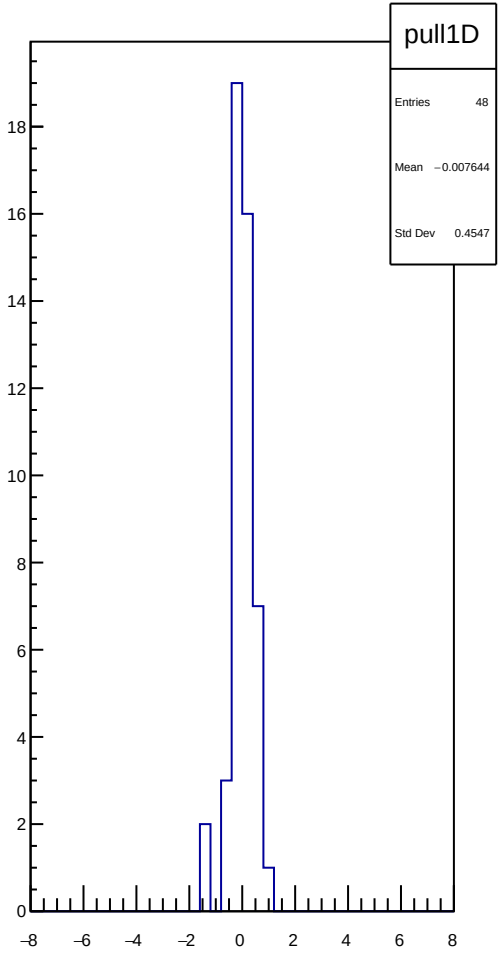

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.55 / 47
p0 −107.2 ± 1.335
pull
Entries 48
Mean −96.35
Std Dev 106.9

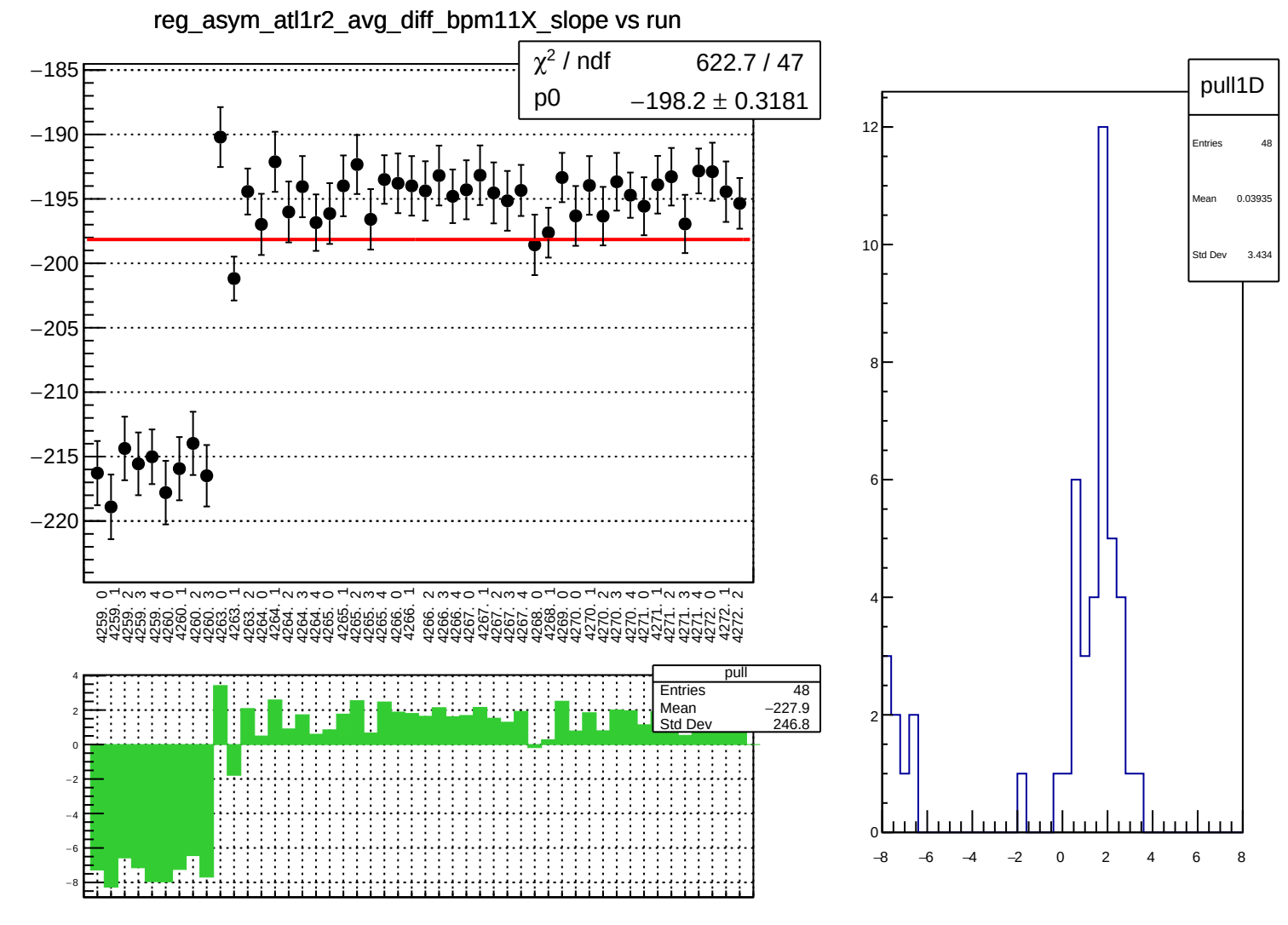

pull1D
Entries 48
Mean 0.02406
Std Dev 0.6043

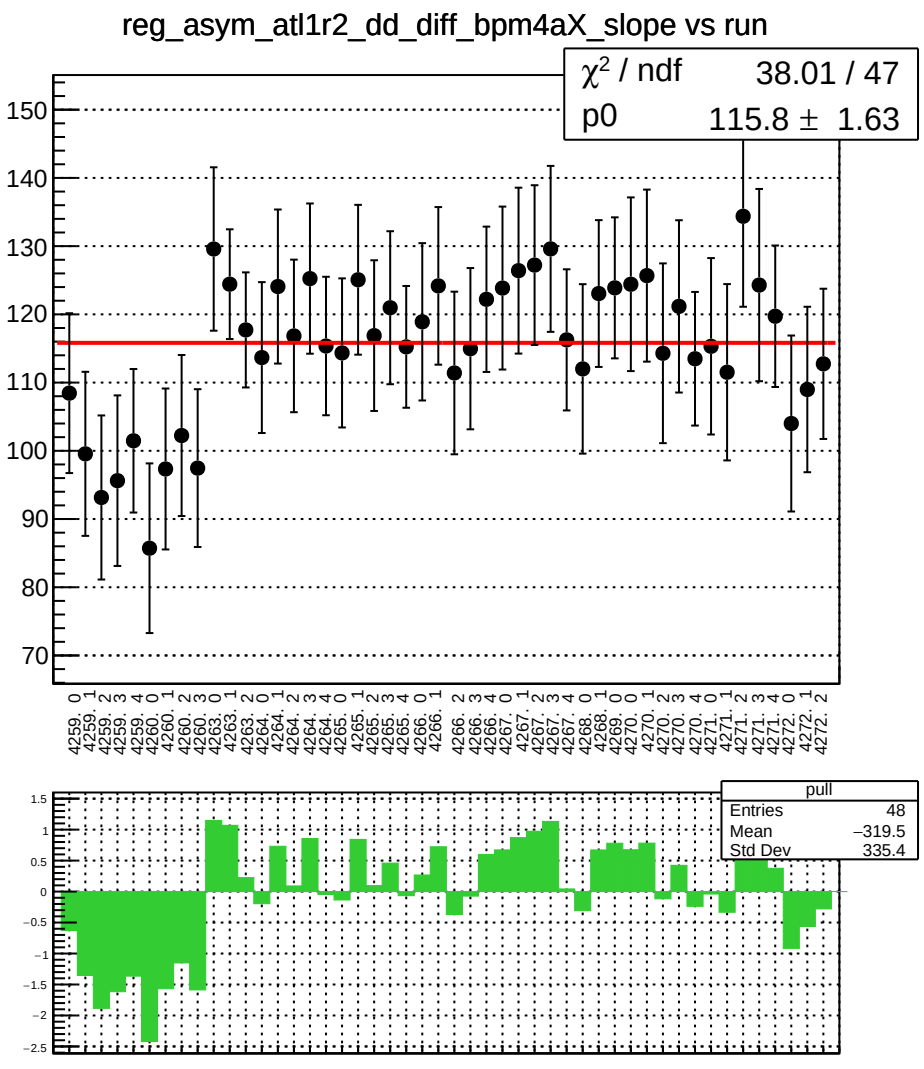

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.12 / 47
p0 15.15 ± 0.939
pull
Entries 48
Mean −110.5
Std Dev 128
pull1D
Entries 48
Mean 0.02681
Std Dev 0.5019

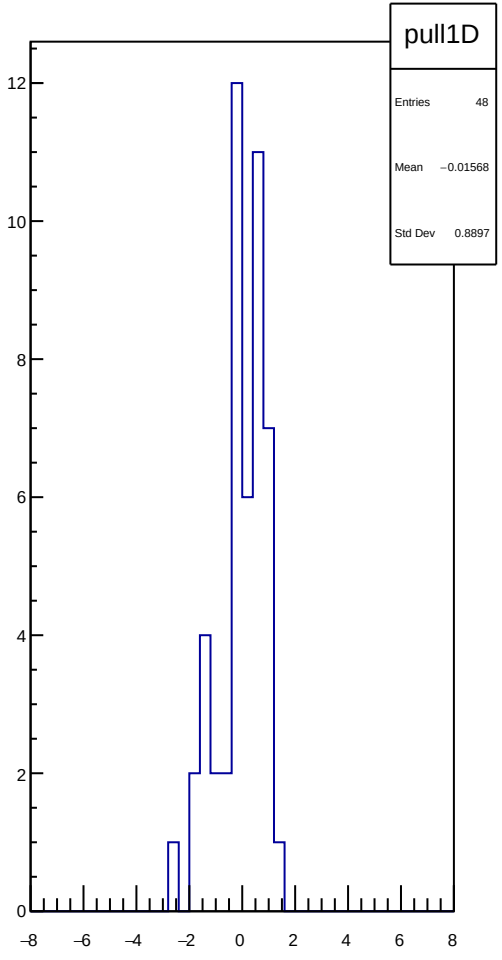

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 311.3 / 47
p0 −3.55 ± 0.2375
pull
Entries 48
Mean −103.9
Std Dev 120.7
pull1D
Entries 48
Mean −0.1776
Std Dev 2.54

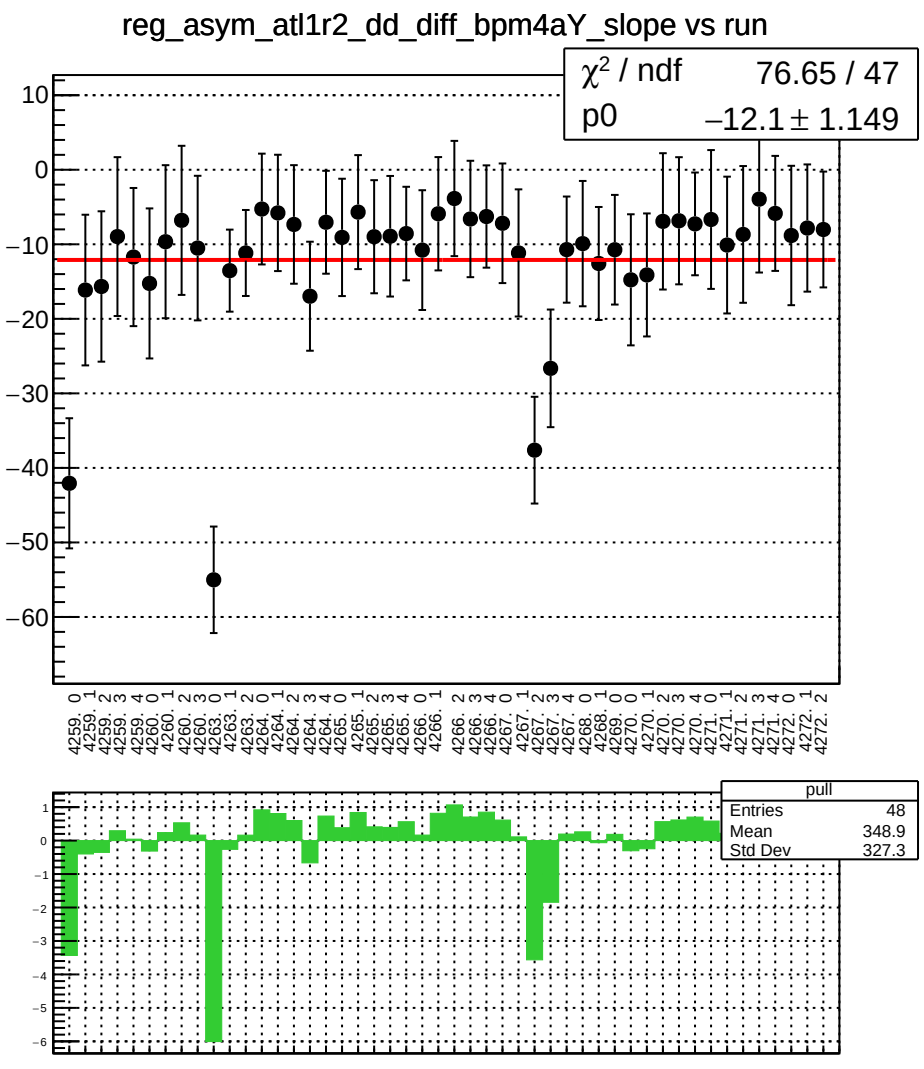

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.927 / 47
p0 19.47 ± 1.596
pull
Entries 48
Mean −248.9
Std Dev 265.1

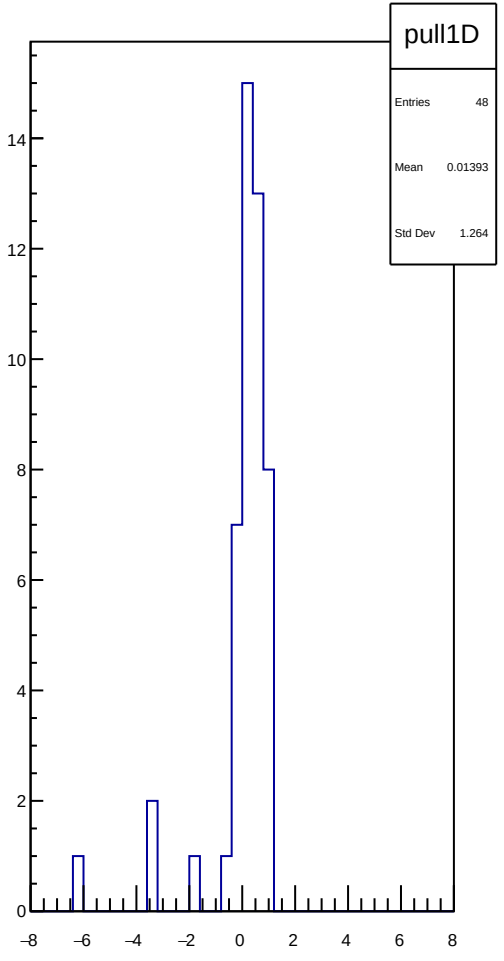

pull1D
Entries 48
Mean −0.007644
Std Dev 0.4547

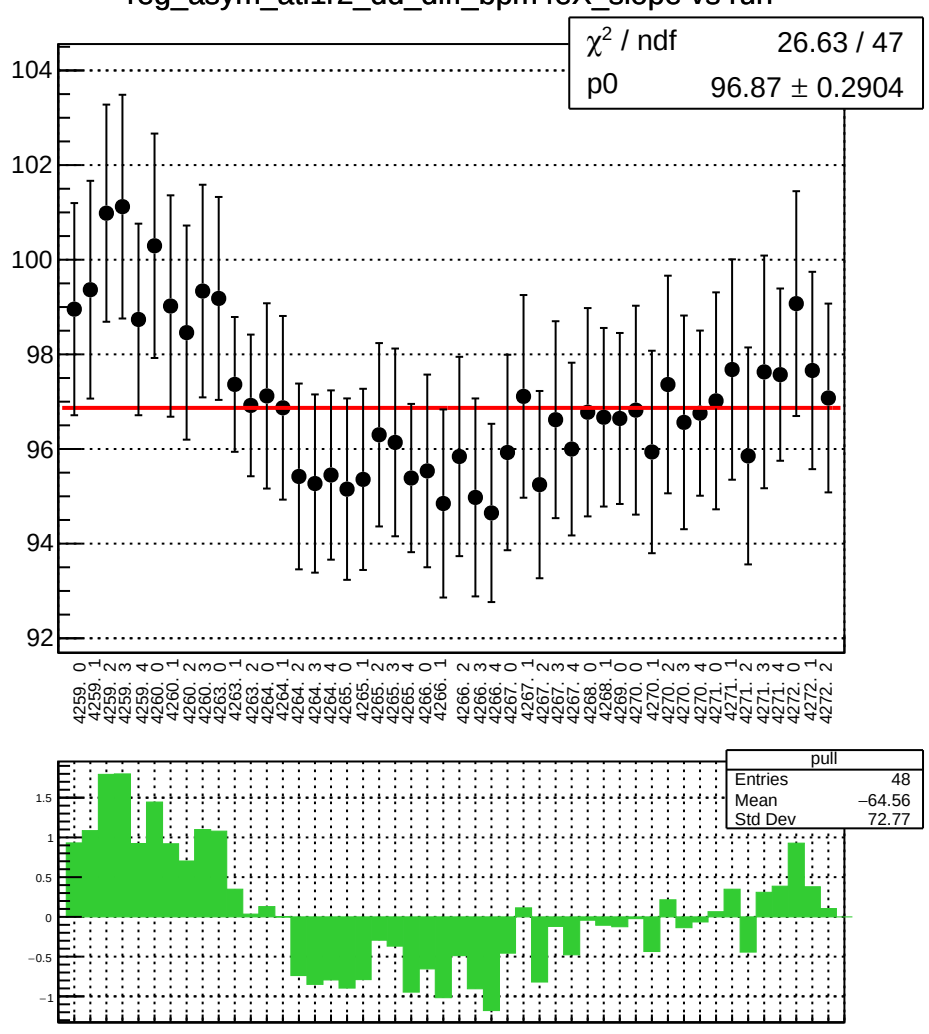

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 622.7 / 47
p0 −198.2 ± 0.3181
pull
Entries 48
Mean −227.9
Std Dev 246.8
pull1D
Entries 48
Mean 0.03935
Std Dev 3.434

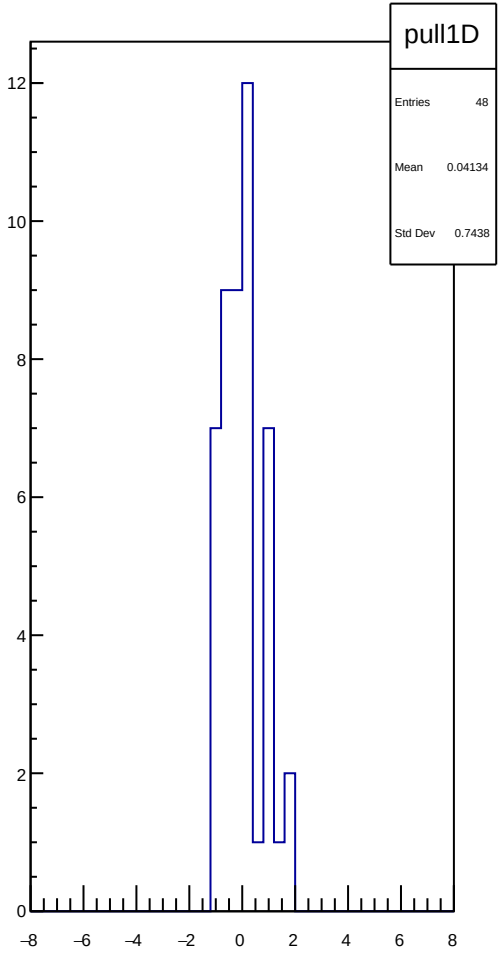

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 38.01 / 47
p0 115.8 ± 1.63
150
140
130
120
110
100
90
80
70
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −319.5
Std Dev 335.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

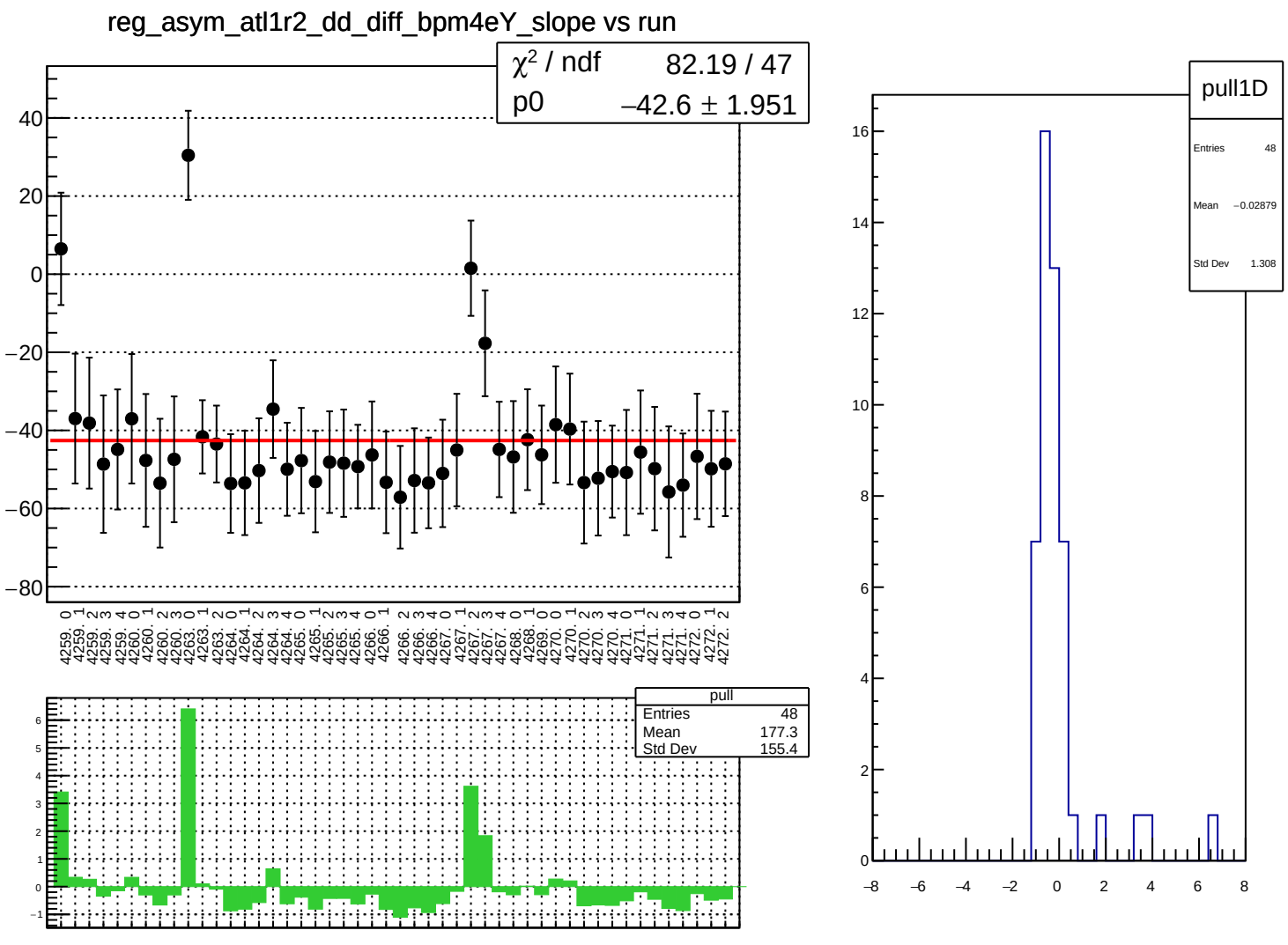

pull1D
Entries 48
Mean −0.01568
Std Dev 0.8897
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

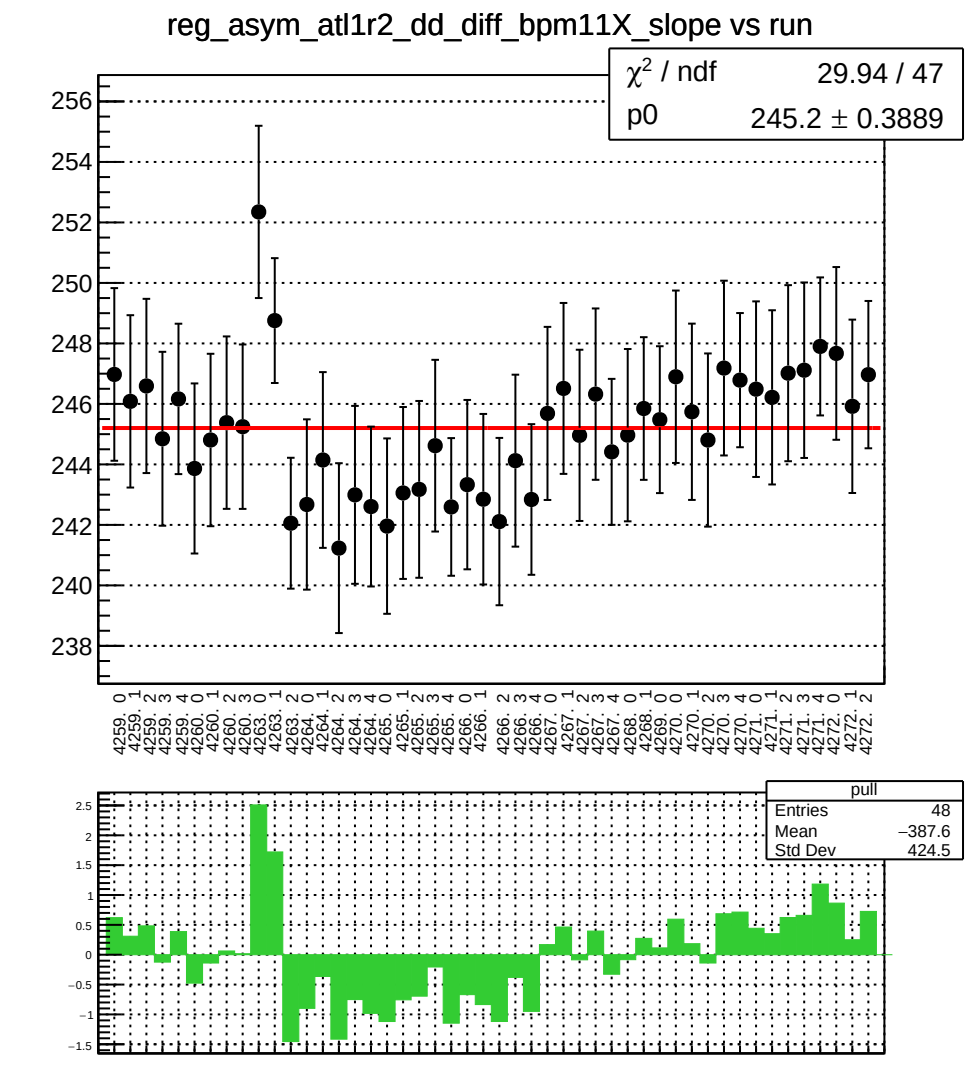

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.65 / 47
p0 −12.1 ± 1.149
pull
Entries 48
Mean 348.9
Std Dev 327.3

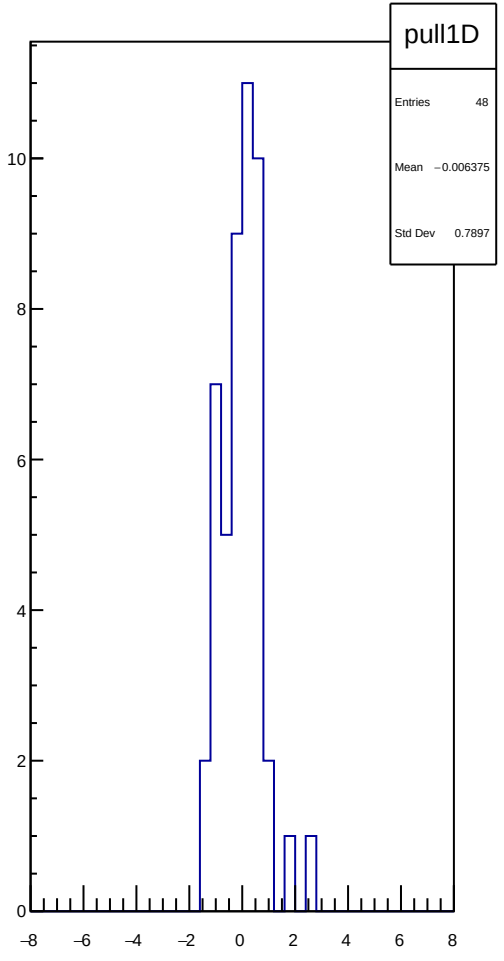

pull1D
Entries 48
Mean 0.01393
Std Dev 1.264

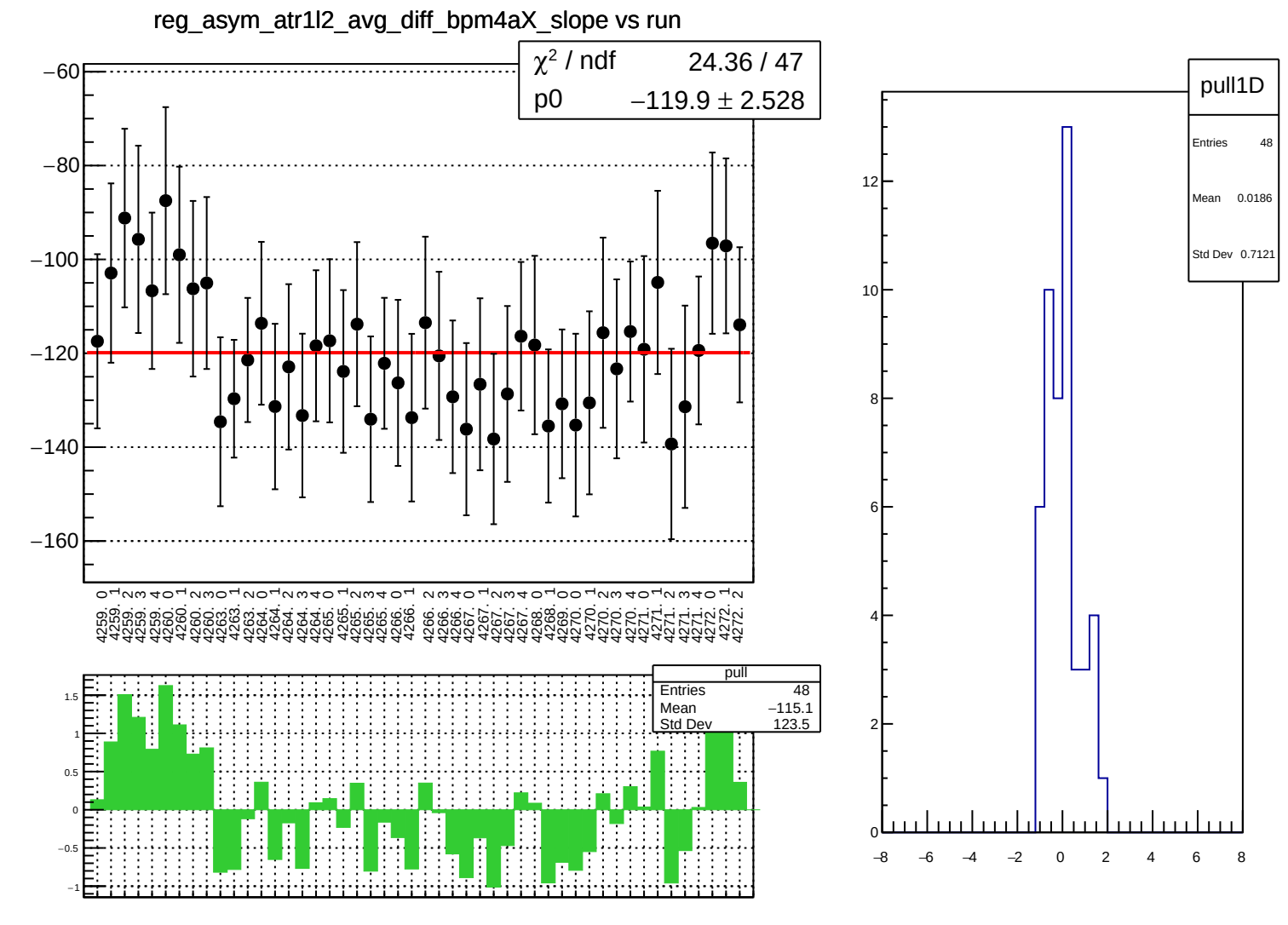

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.63 / 47
p0 96.87 ± 0.2904
104
102
100
98
96
94
92
pull
Entries 48
Mean −64.56
Std Dev 72.77
1.5
1
0.5
0
−0.5
−1

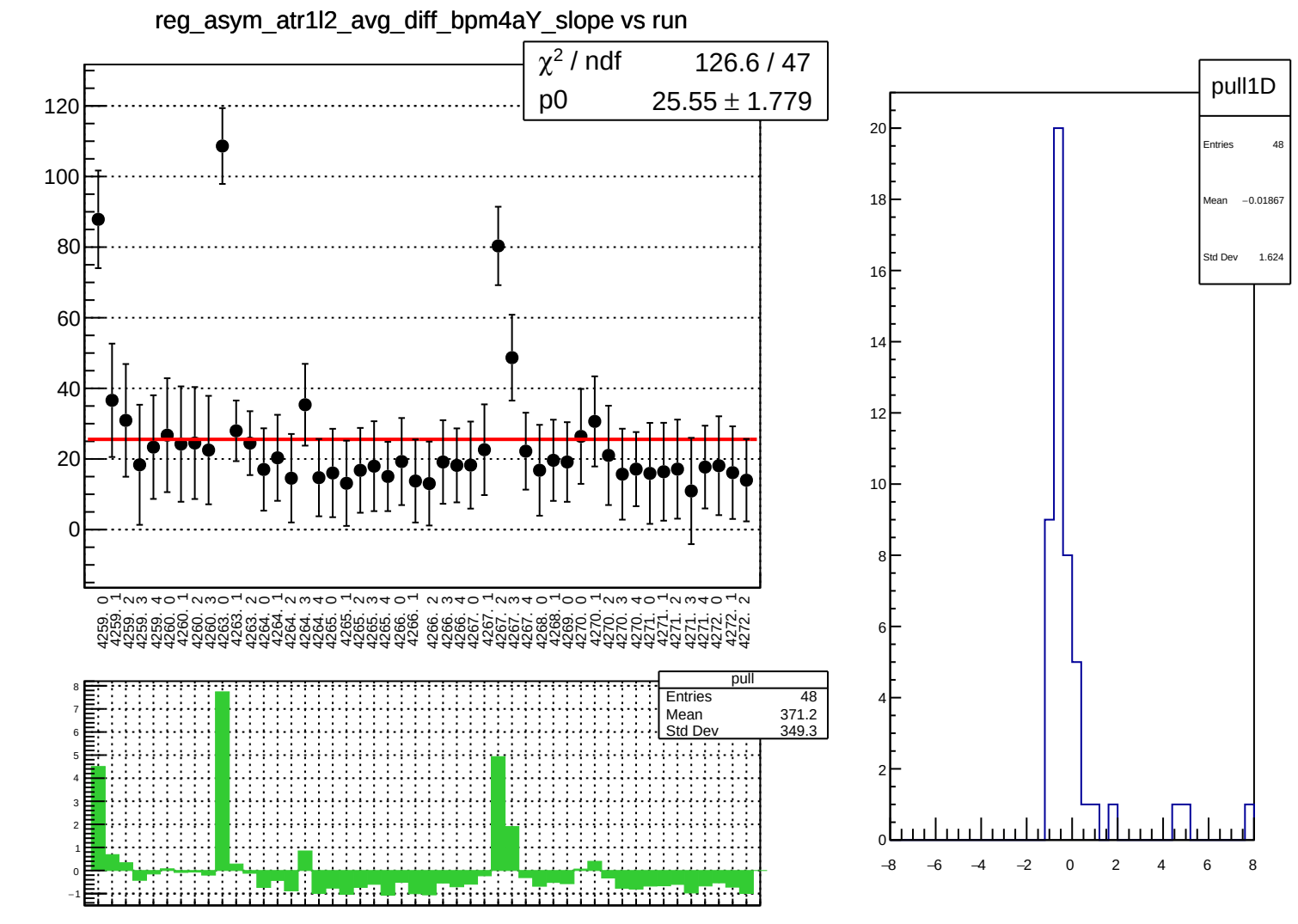

pull1D
Entries 48
Mean 0.04134
Std Dev 0.7438
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

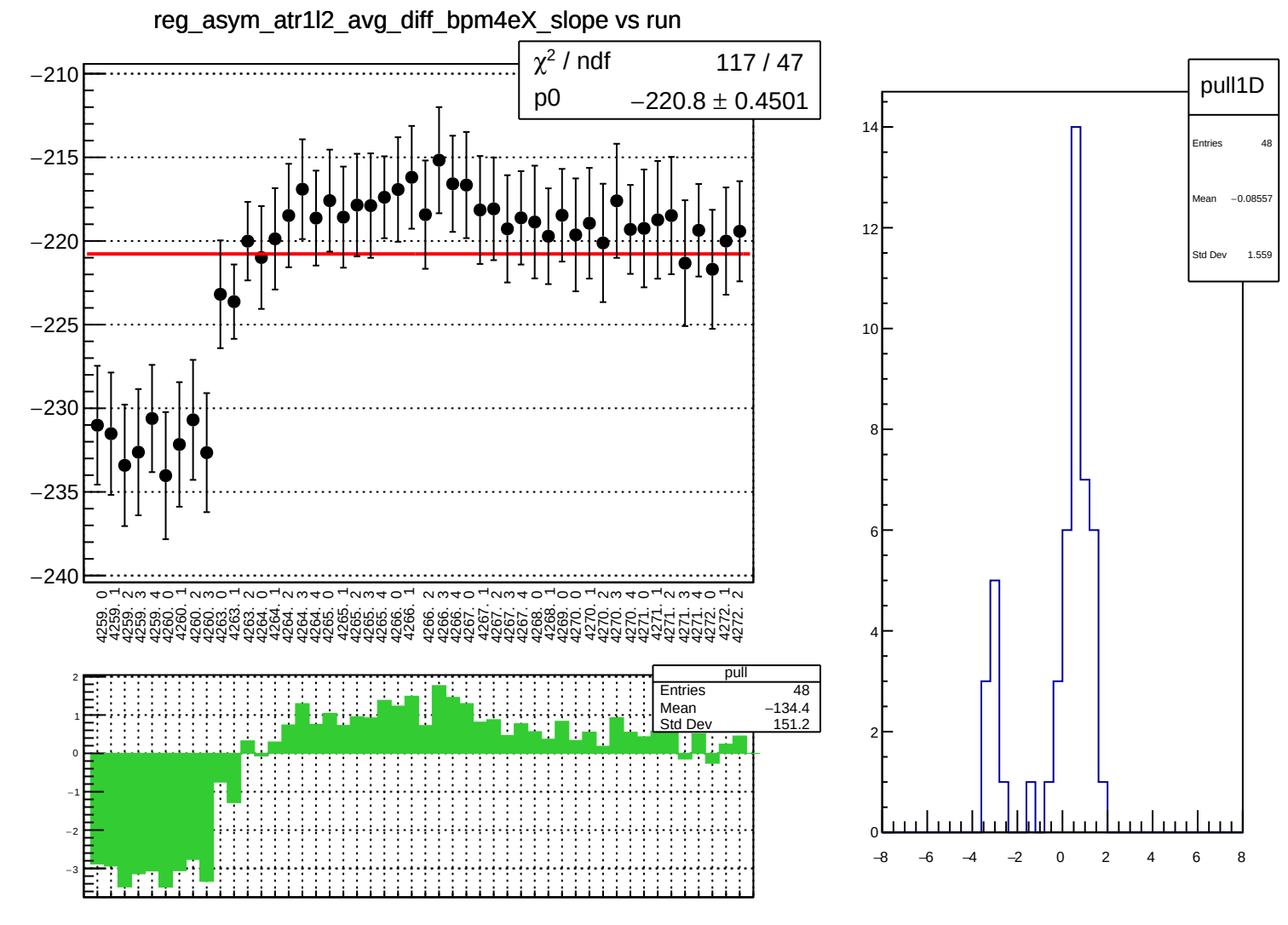

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.19 / 47
p0 −42.6 ± 1.951
pull
Entries 48
Mean 177.3
Std Dev 155.4
pull1D
Entries 48
Mean −0.02879
Std Dev 1.308

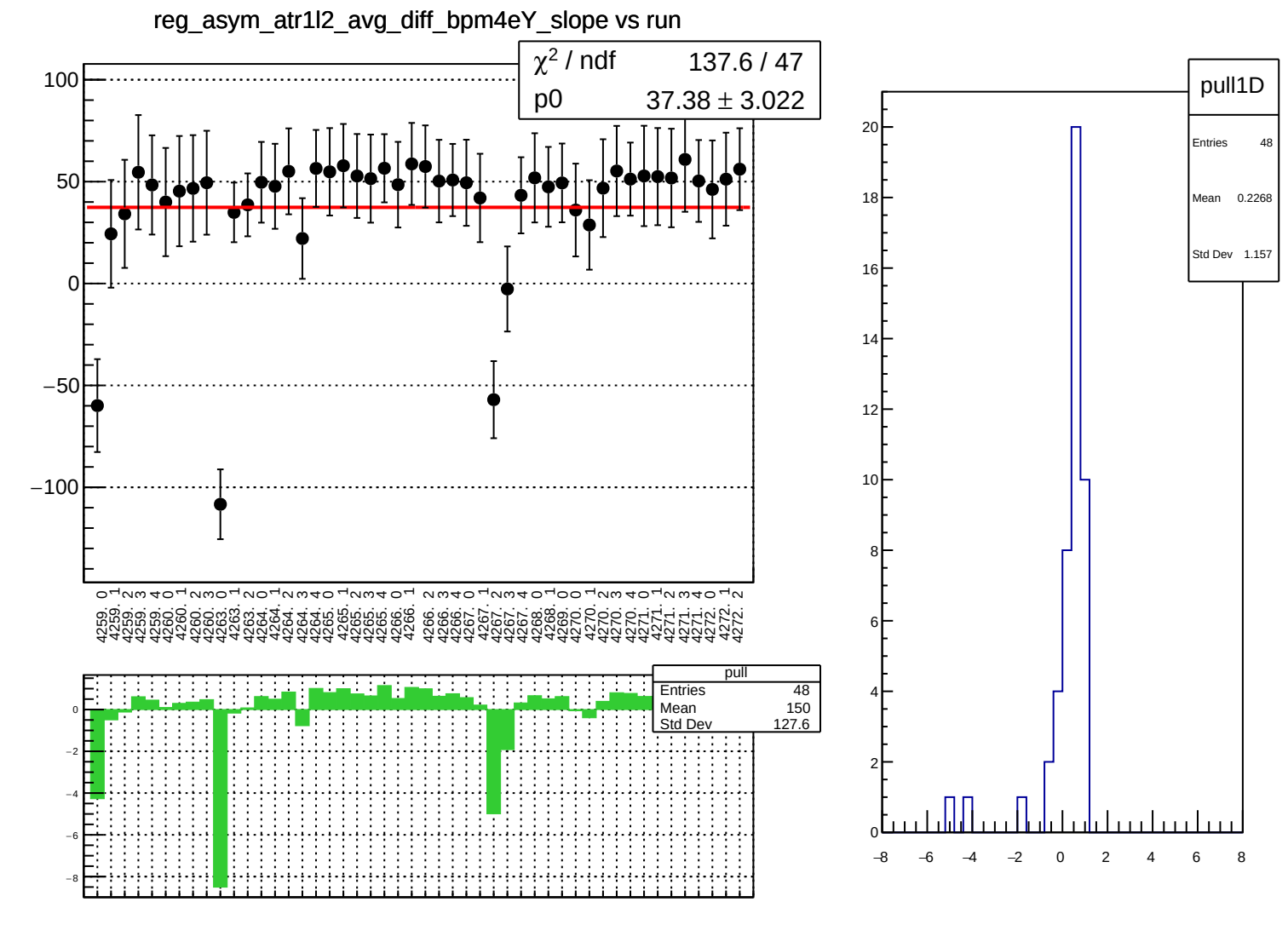

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 29.94 / 47
p0 245.2 ± 0.3889
pull
Entries 48
Mean −387.6
Std Dev 424.5

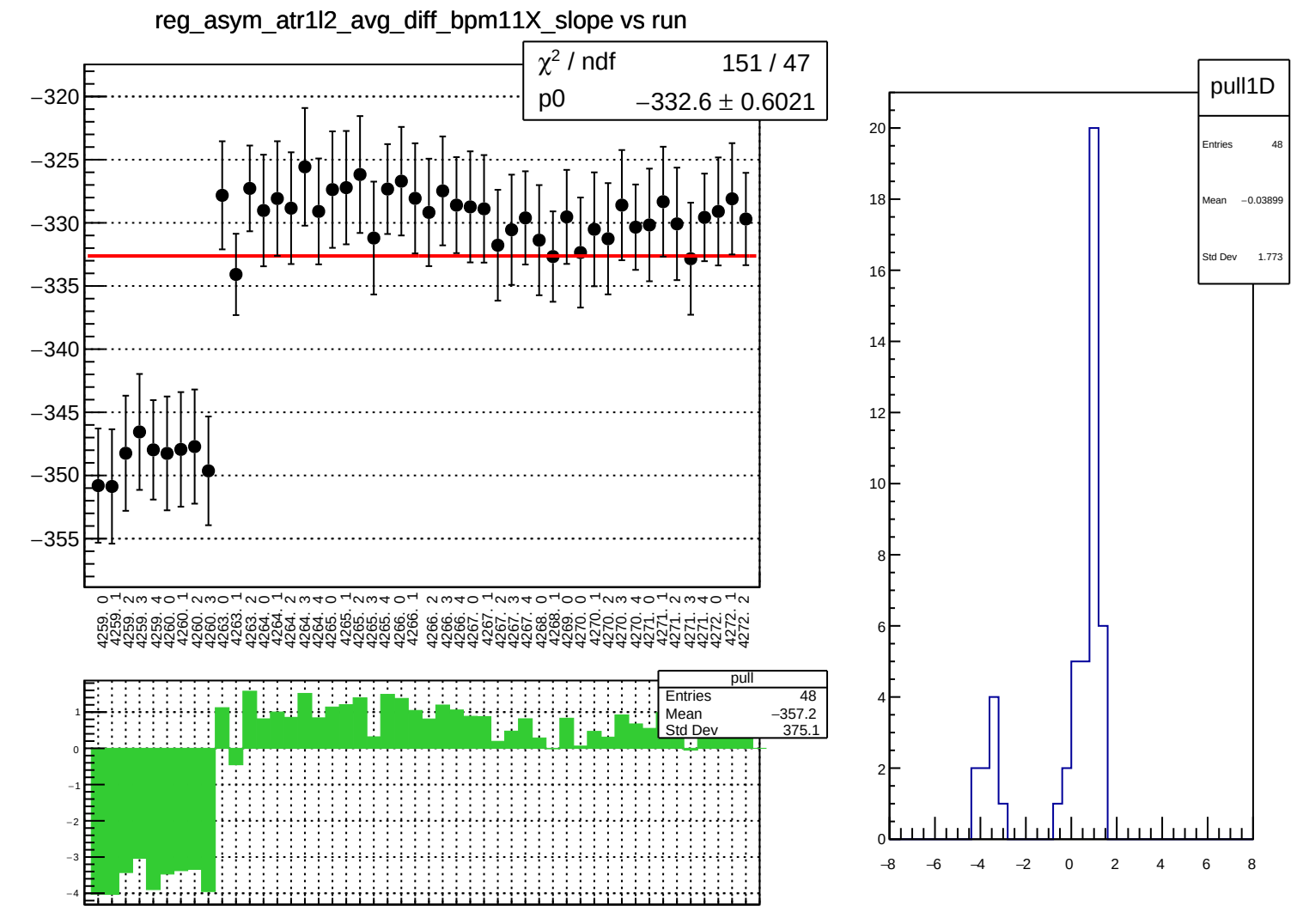

pull1D
Entries 48
Mean −0.006375
Std Dev 0.7897

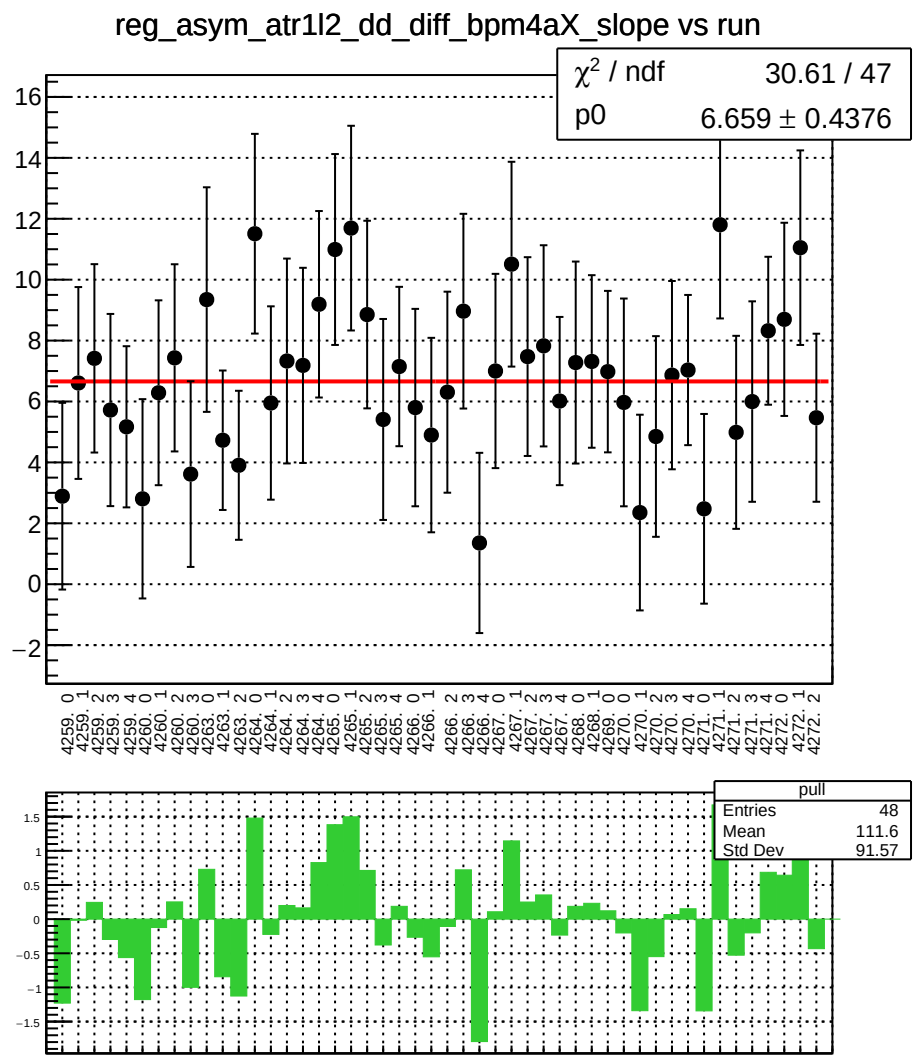

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 24.36 / 47
p0 −119.9 ± 2.528
pull
Entries 48
Mean −115.1
Std Dev 123.5
pull1D
Entries 48
Mean 0.0186
Std Dev 0.7121

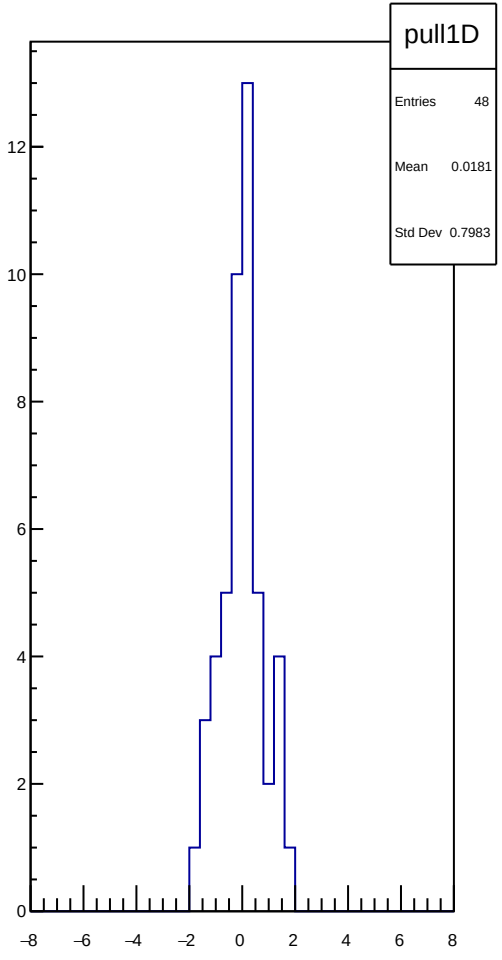

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 126.6 / 47
p0 25.55 ± 1.779
pull
Entries 48
Mean 371.2
Std Dev 349.3
pull1D
Entries 48
Mean −0.01867
Std Dev 1.624

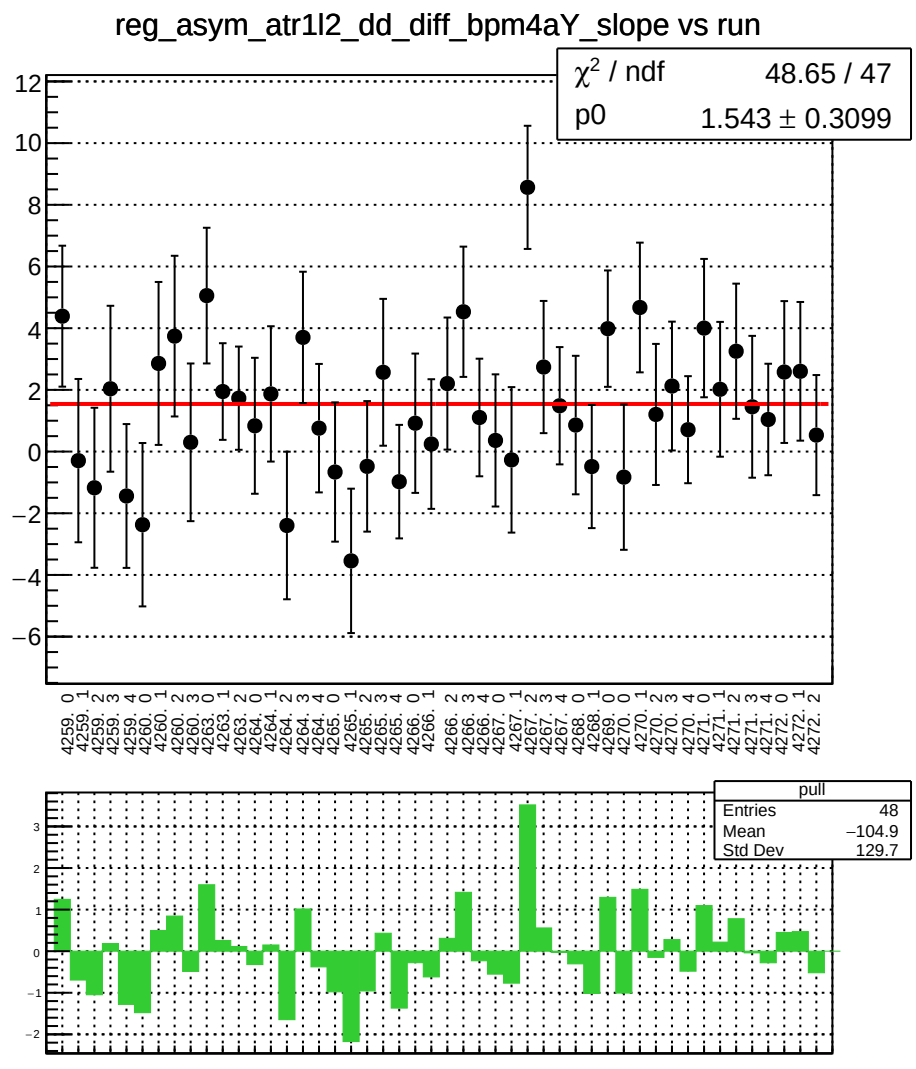

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 117 / 47
p0 −220.8 ± 0.4501
pull
Entries 48
Mean −134.4
Std Dev 151.2
pull1D
Entries 48
Mean −0.08557
Std Dev 1.559

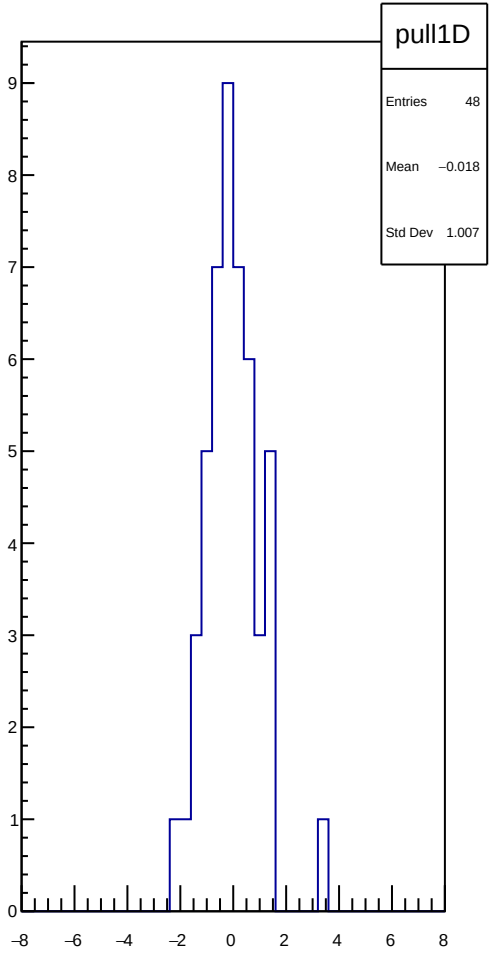

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 137.6 / 47
p0 37.38 ± 3.022
100
50
0
−50
−100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 150
Std Dev 127.6
0
−2
−4
−6
−8
pull1D
Entries 48
Mean 0.2268
Std Dev 1.157
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

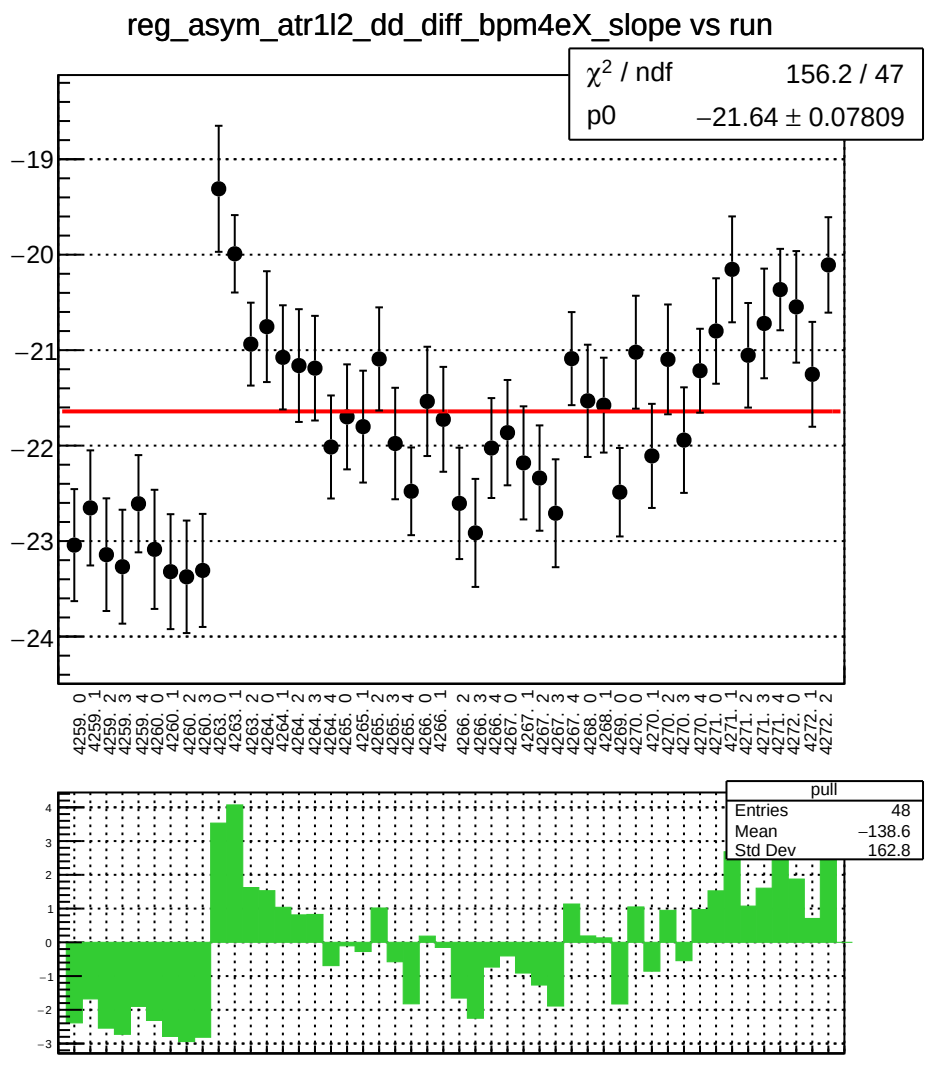

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 151 / 47
p0 −332.6 ± 0.6021
pull
Entries 48
Mean −357.2
Std Dev 375.1
pull1D
Entries 48
Mean −0.03899
Std Dev 1.773

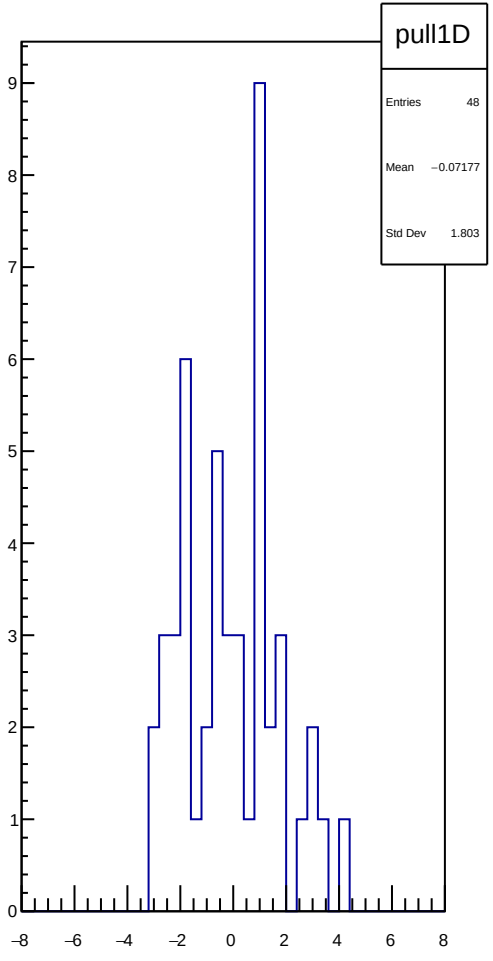

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 30.61 / 47
p0 6.659 ± 0.4376
pull
Entries 48
Mean 111.6
Std Dev 91.57

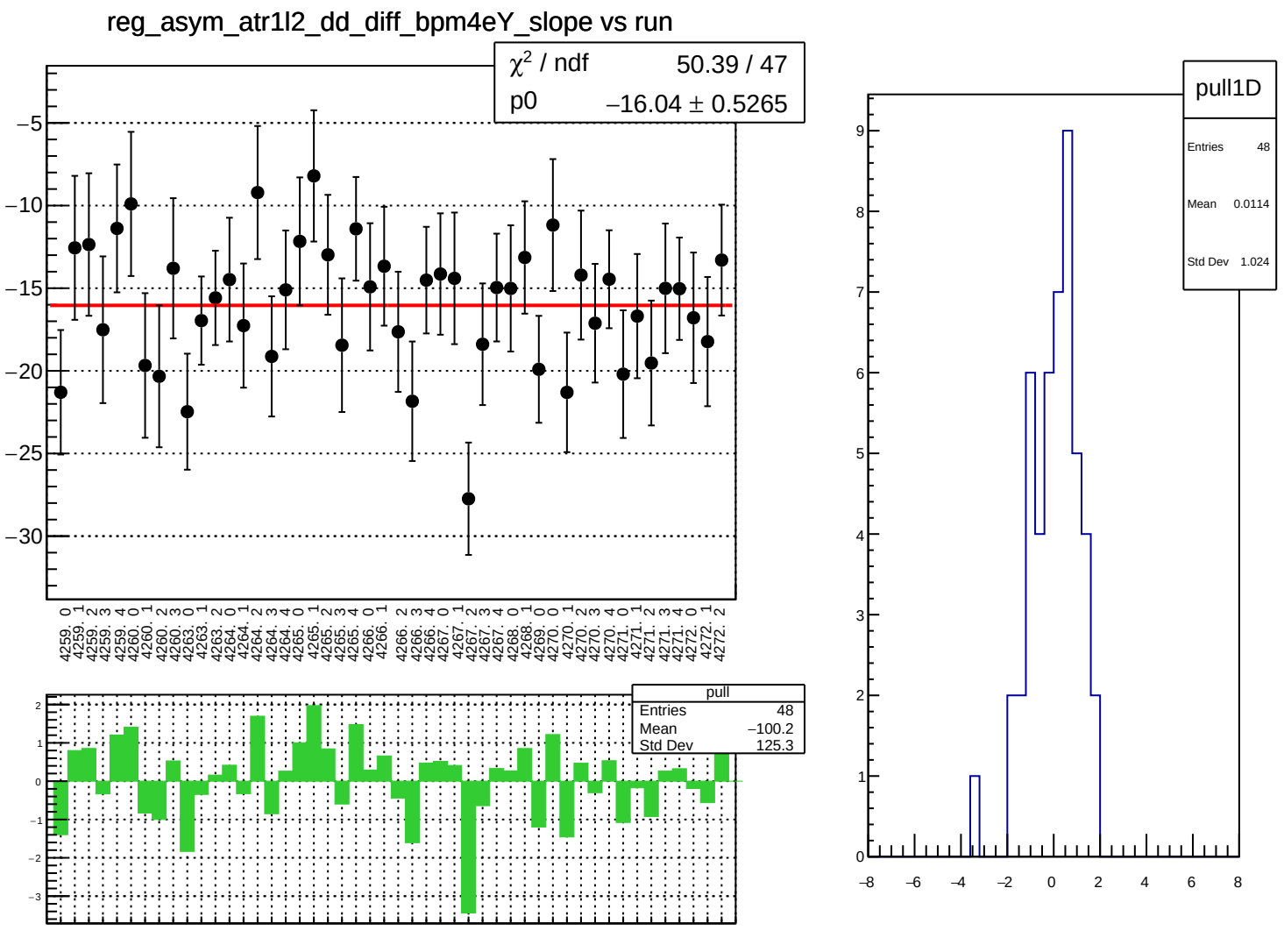

pull1D
Entries 48
Mean 0.0181
Std Dev 0.7983

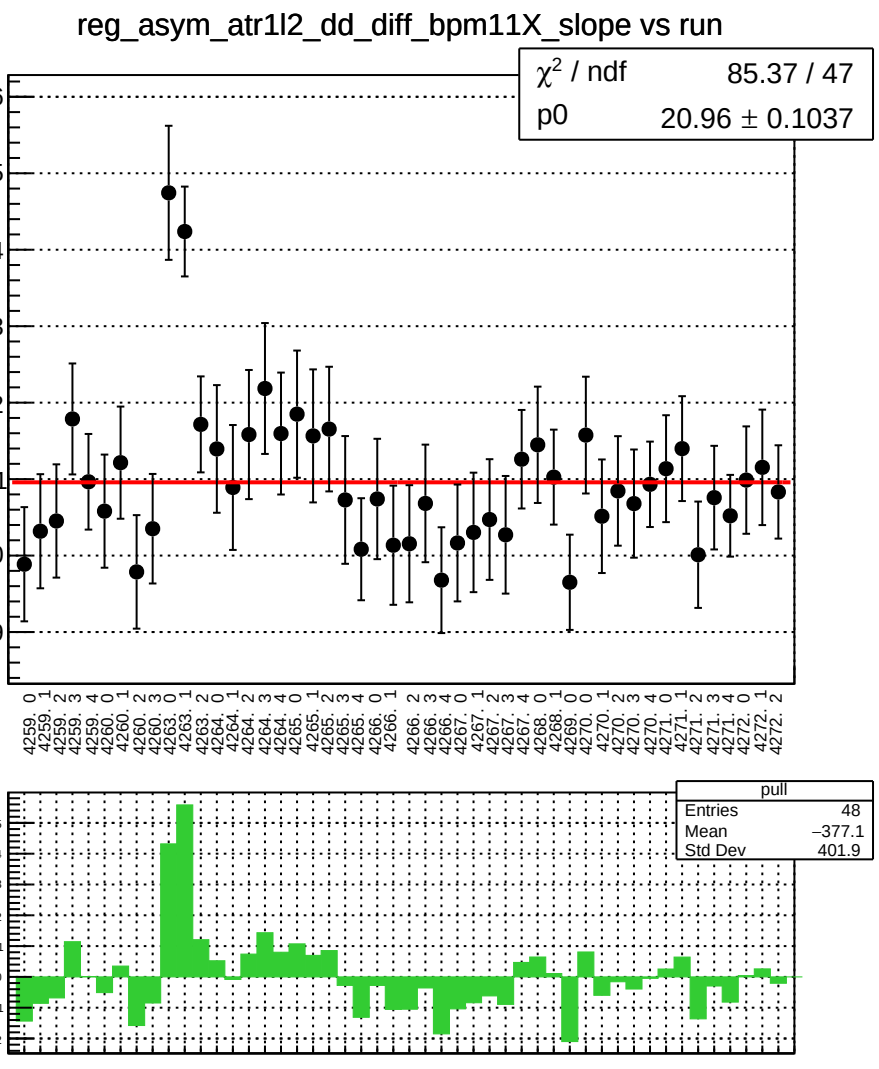

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.65 / 47
p0 1.543 ± 0.3099
pull
Entries 48
Mean −104.9
Std Dev 129.7

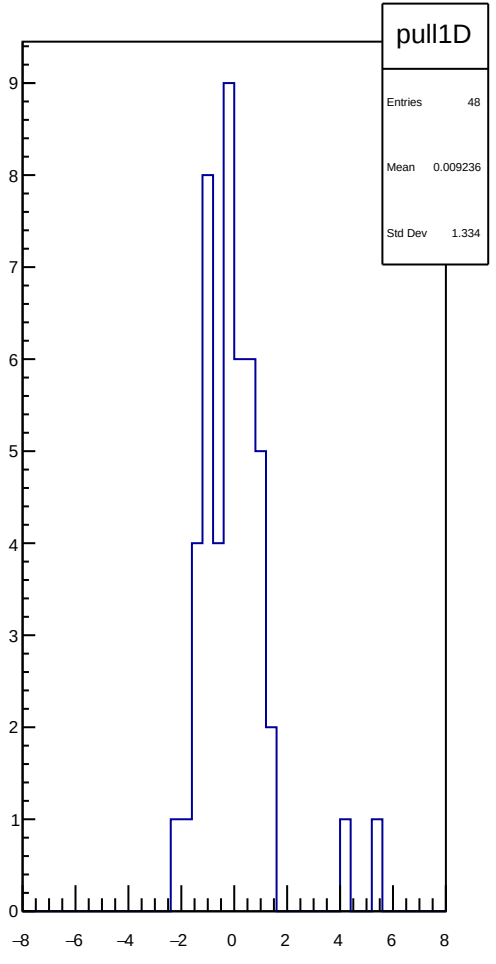

pull1D
Entries 48
Mean −0.018
Std Dev 1.007

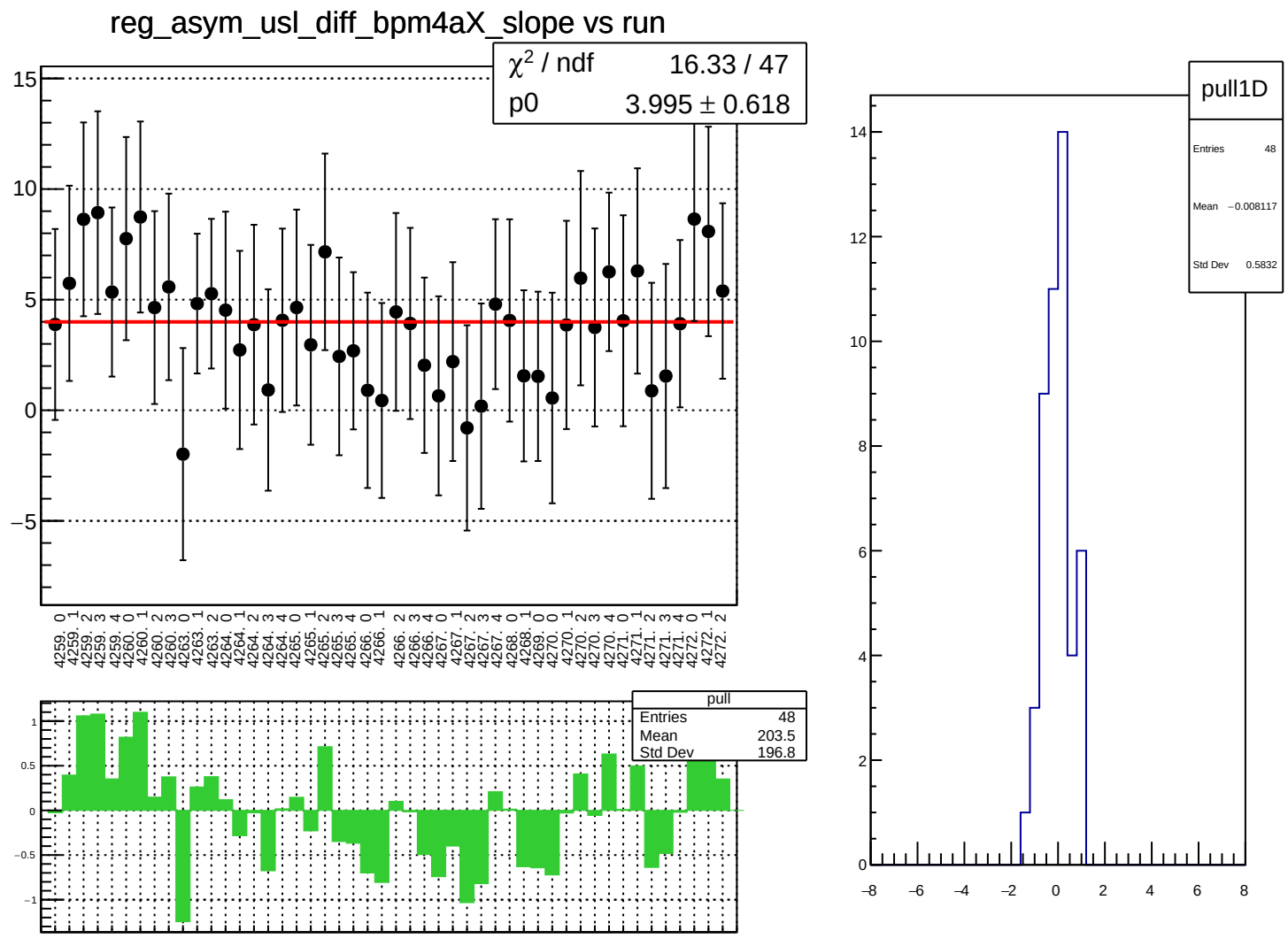

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 156.2 / 47
p0 −21.64 ± 0.07809
pull
Entries 48
Mean −138.6
Std Dev 162.8

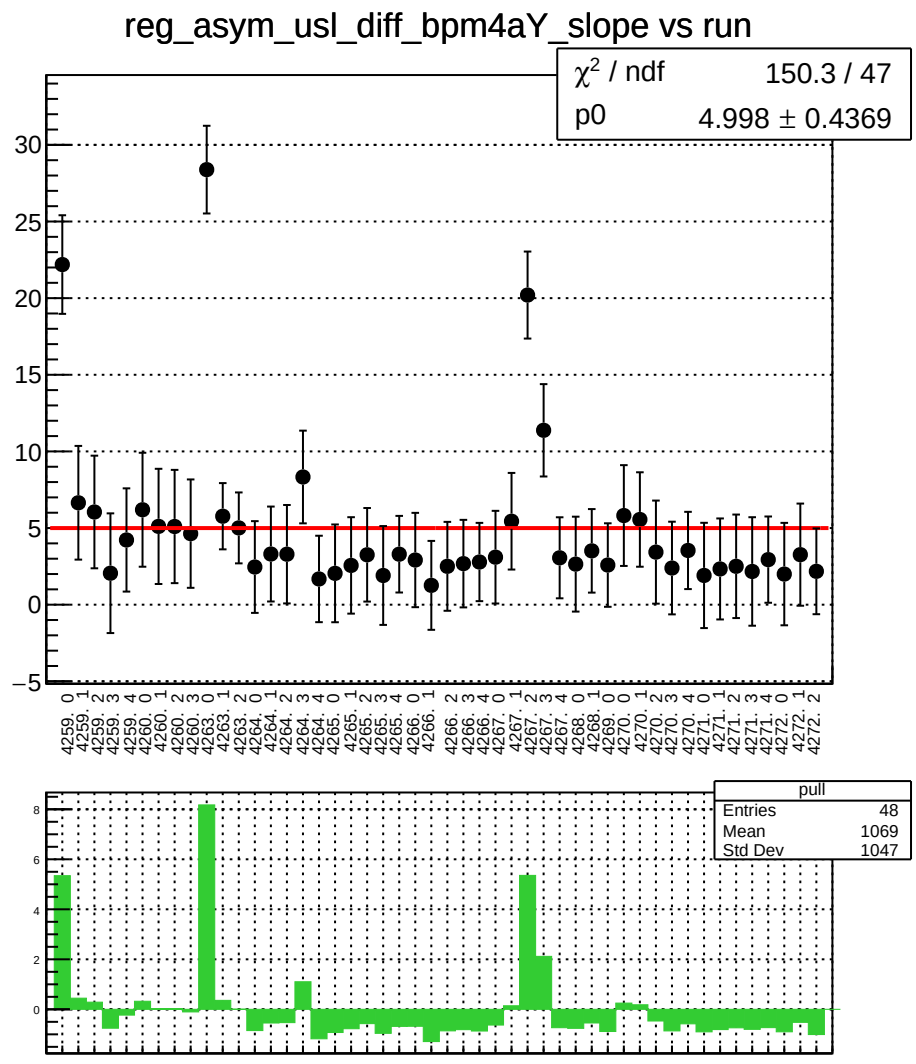

pull1D
Entries 48
Mean −0.07177
Std Dev 1.803

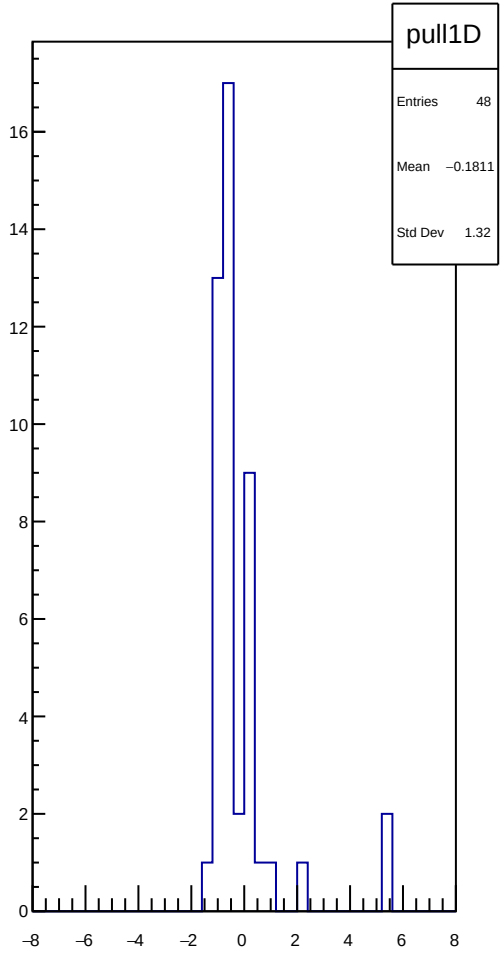

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.39 / 47
p0 −16.04 ± 0.5265
pull
Entries 48
Mean −100.2
Std Dev 125.3
pull1D
Entries 48
Mean 0.0114
Std Dev 1.024

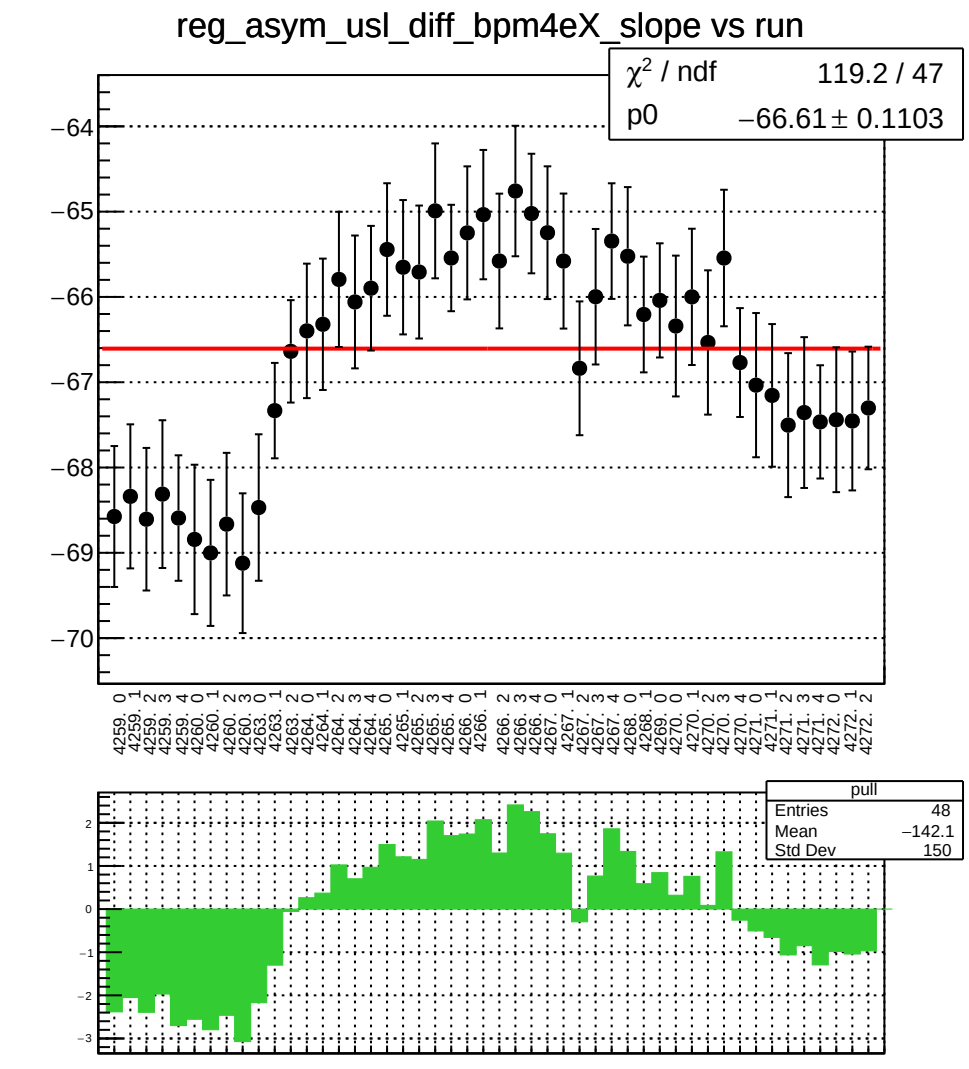

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 85.37 / 47
p0 20.96 ± 0.1037
pull
Entries 48
Mean −377.1
Std Dev 401.9

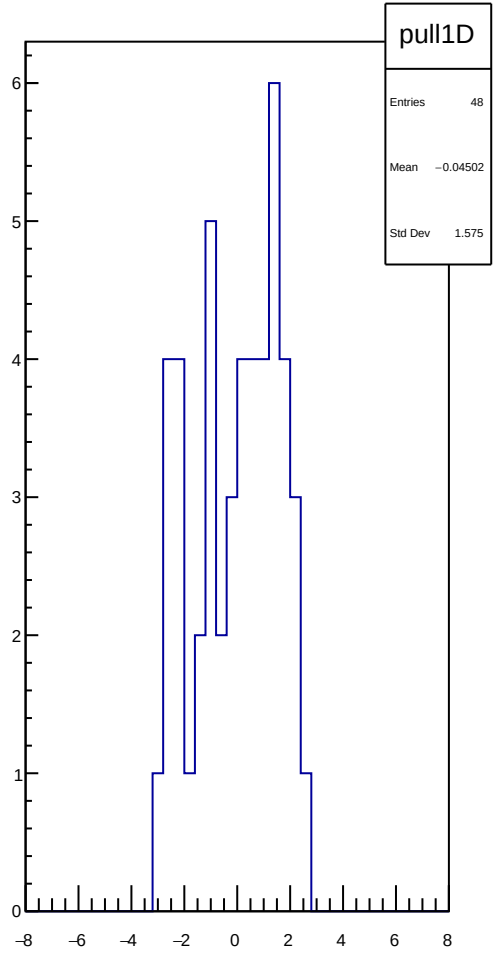

pull1D
Entries 48
Mean 0.009236
Std Dev 1.334

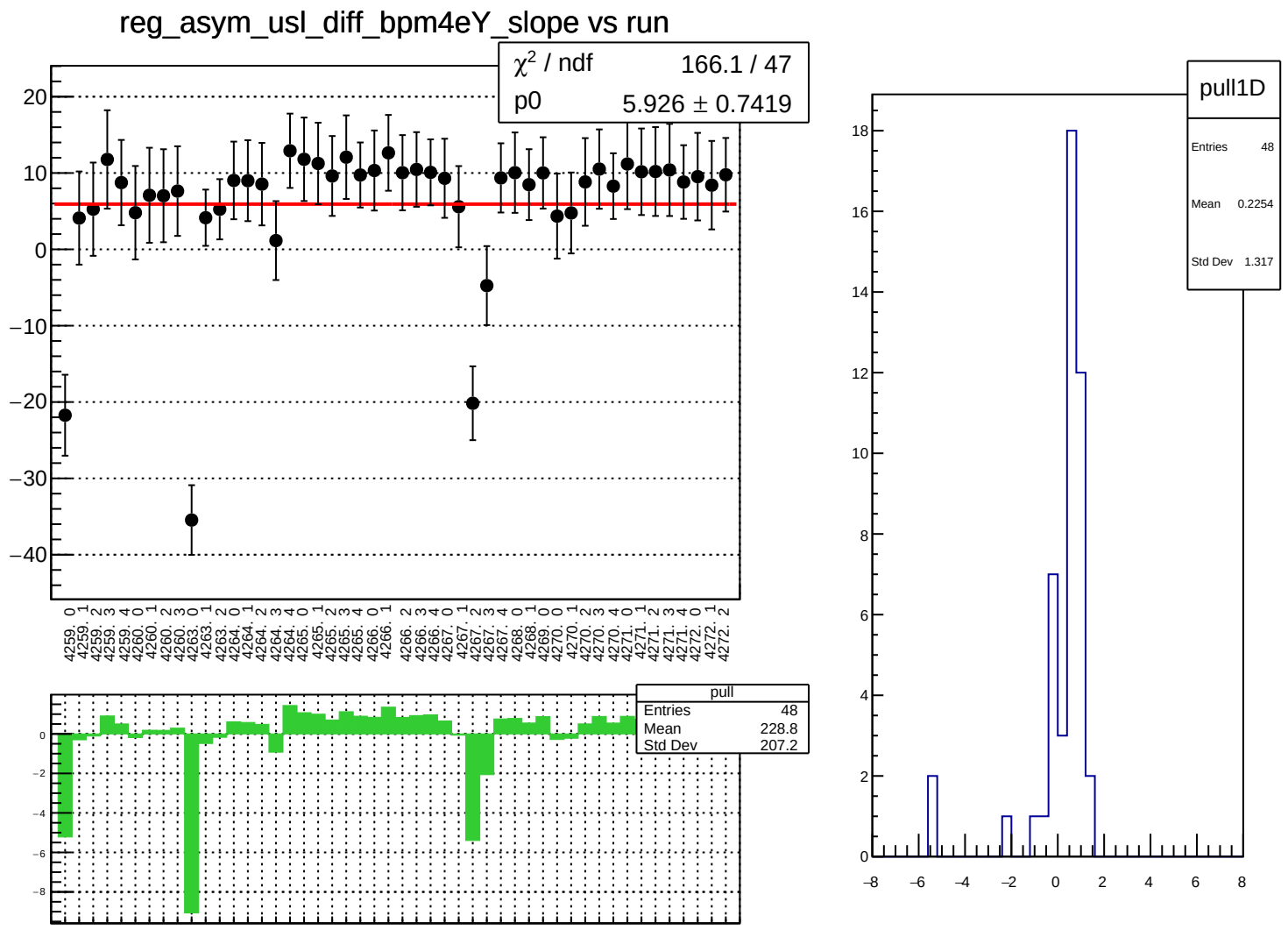

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 16.33 / 47
p0 3.995 ± 0.618
15
10
5
0
−5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 203.5
Std Dev 196.8
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean −0.008117
Std Dev 0.5832
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

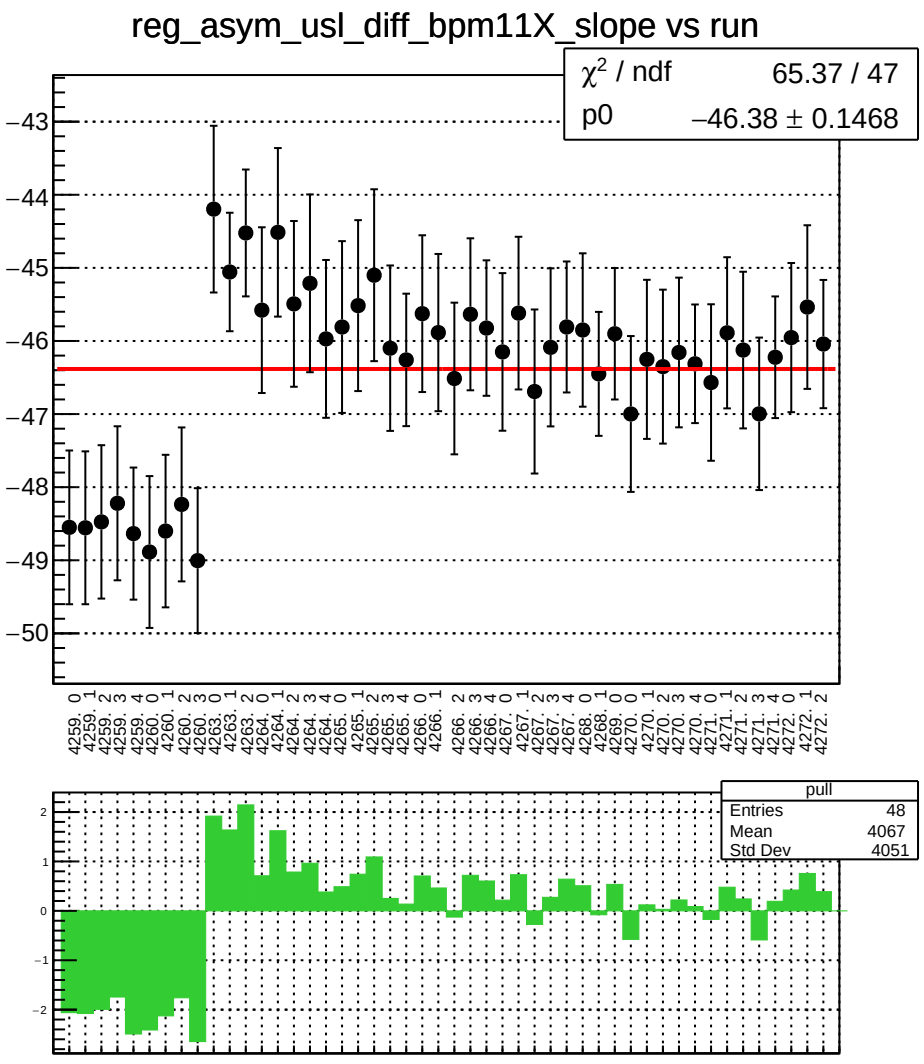

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 150.3 / 47
p0 4.998 ± 0.4369
pull
Entries 48
Mean 1069
Std Dev 1047

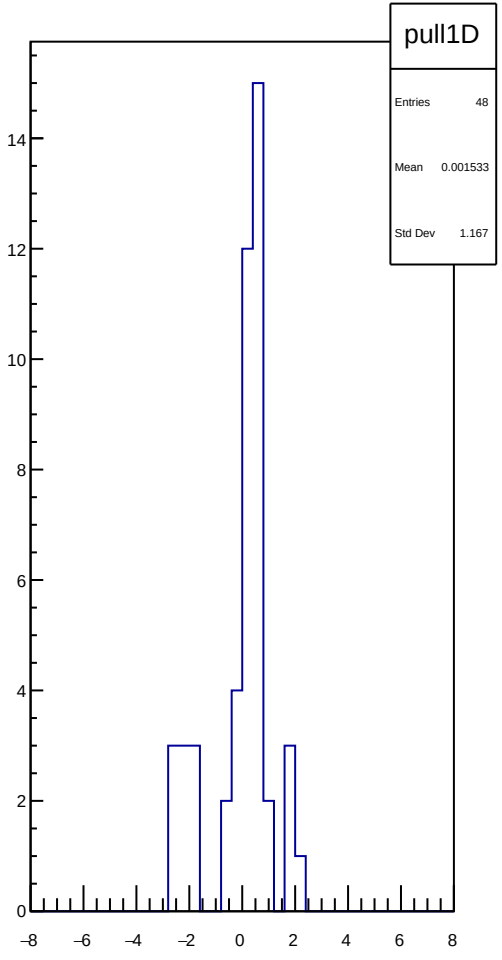

pull1D
Entries 48
Mean −0.1811
Std Dev 1.32

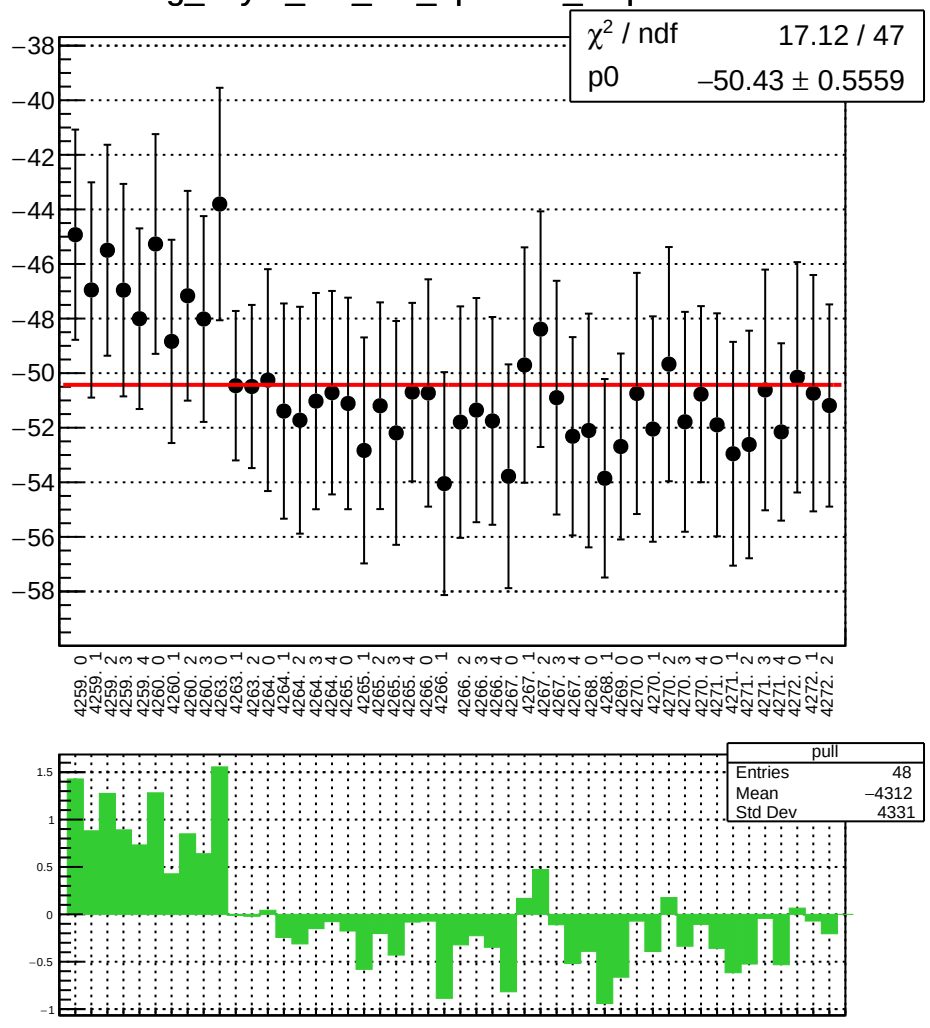

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 119.2 / 47
p0 −66.61 ± 0.1103
pull
Entries 48
Mean −142.1
Std Dev 150

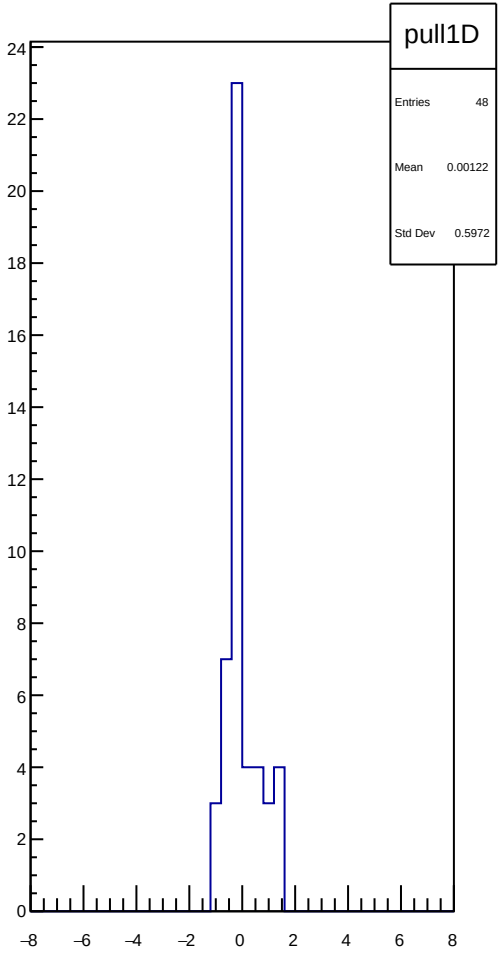

pull1D
Entries 48
Mean −0.04502
Std Dev 1.575

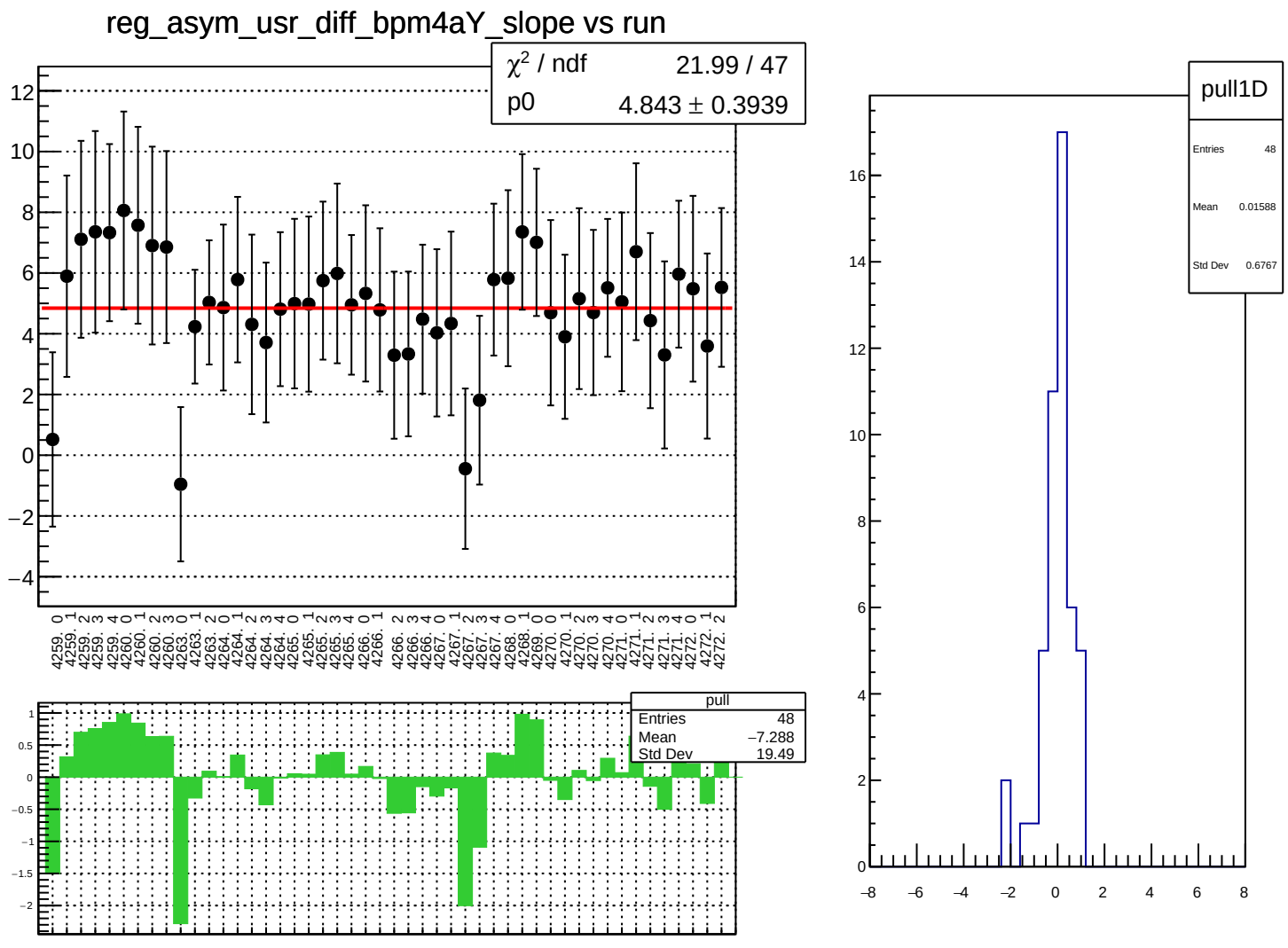

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 166.1 / 47
p0 5.926 ± 0.7419
pull
Entries 48
Mean 228.8
Std Dev 207.2
pull1D
Entries 48
Mean 0.2254
Std Dev 1.317

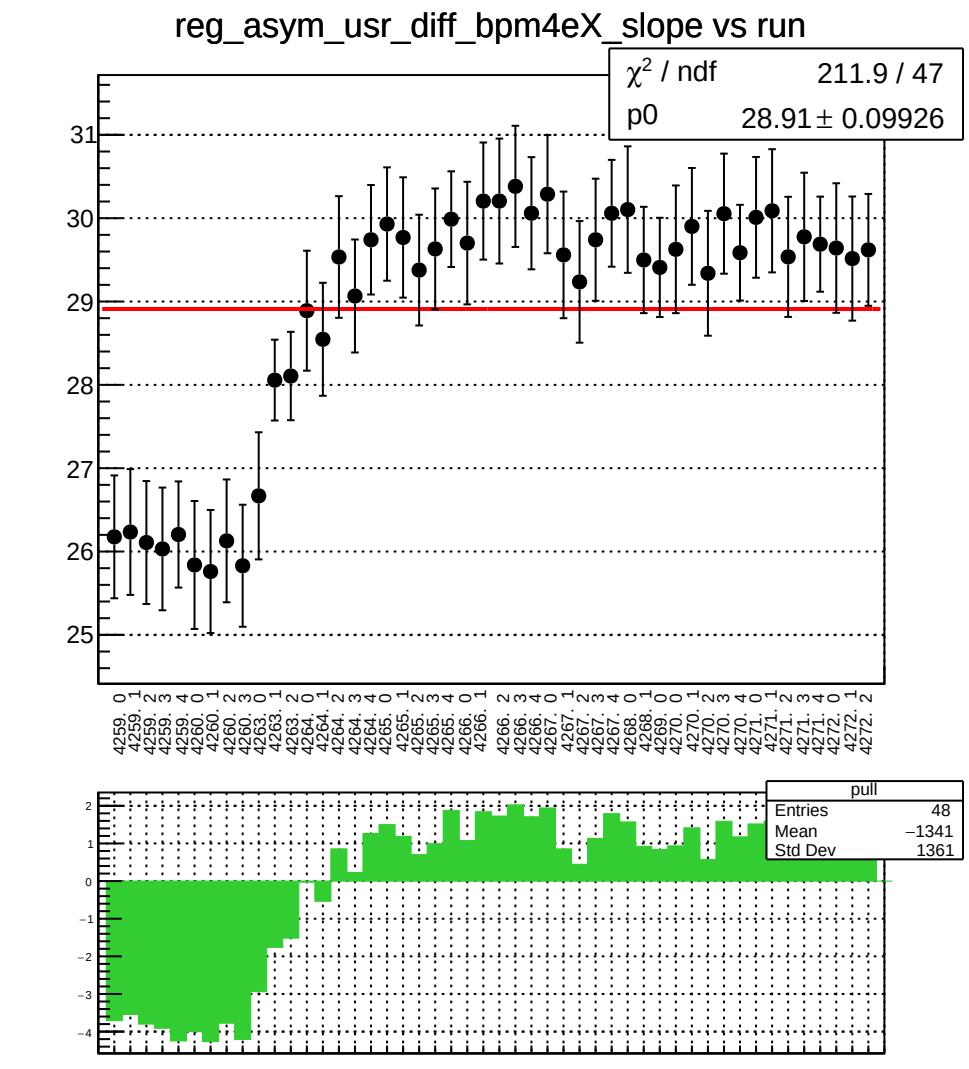

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 65.37 / 47
p0 −46.38 ± 0.1468
pull
Entries 48
Mean 4067
Std Dev 4051

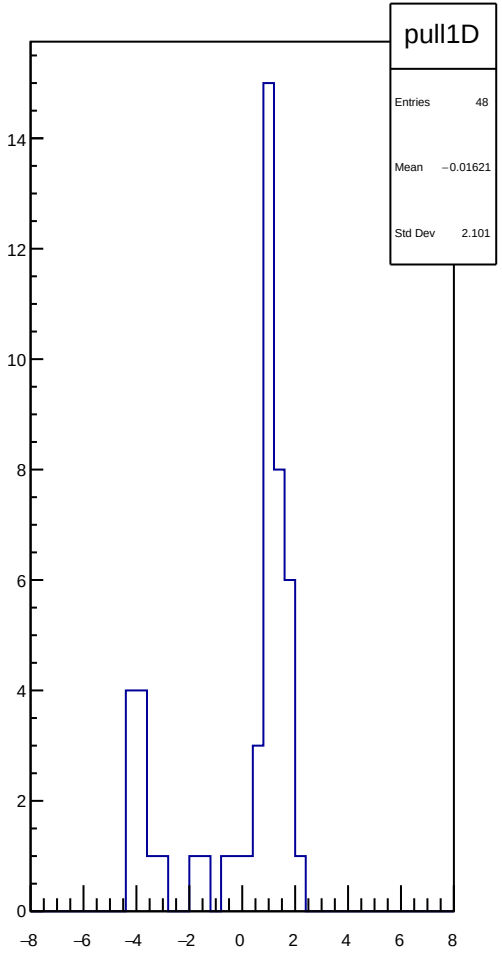

pull1D
Entries 48
Mean 0.001533
Std Dev 1.167

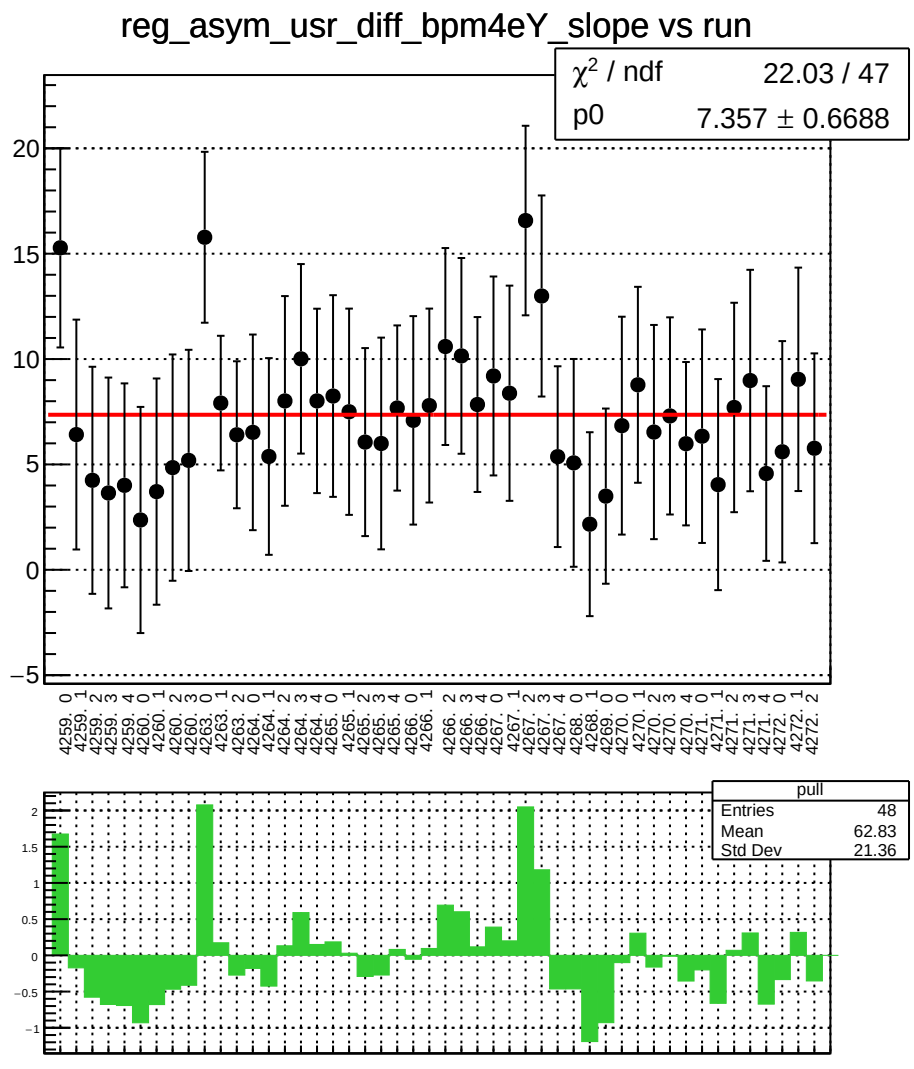

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 17.12 / 47
p0 −50.43 ± 0.5559
pull
Entries 48
Mean −4312
Std Dev 4331

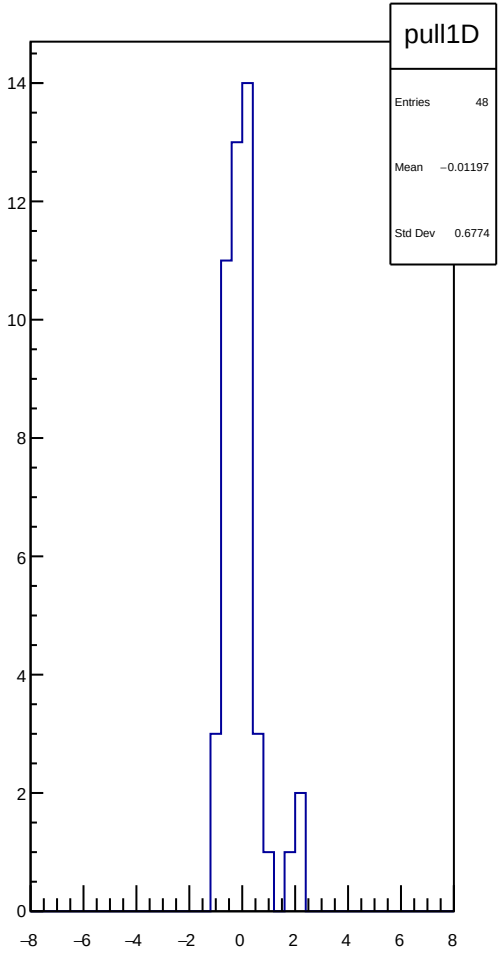

pull1D
Entries 48
Mean 0.00122
Std Dev 0.5972

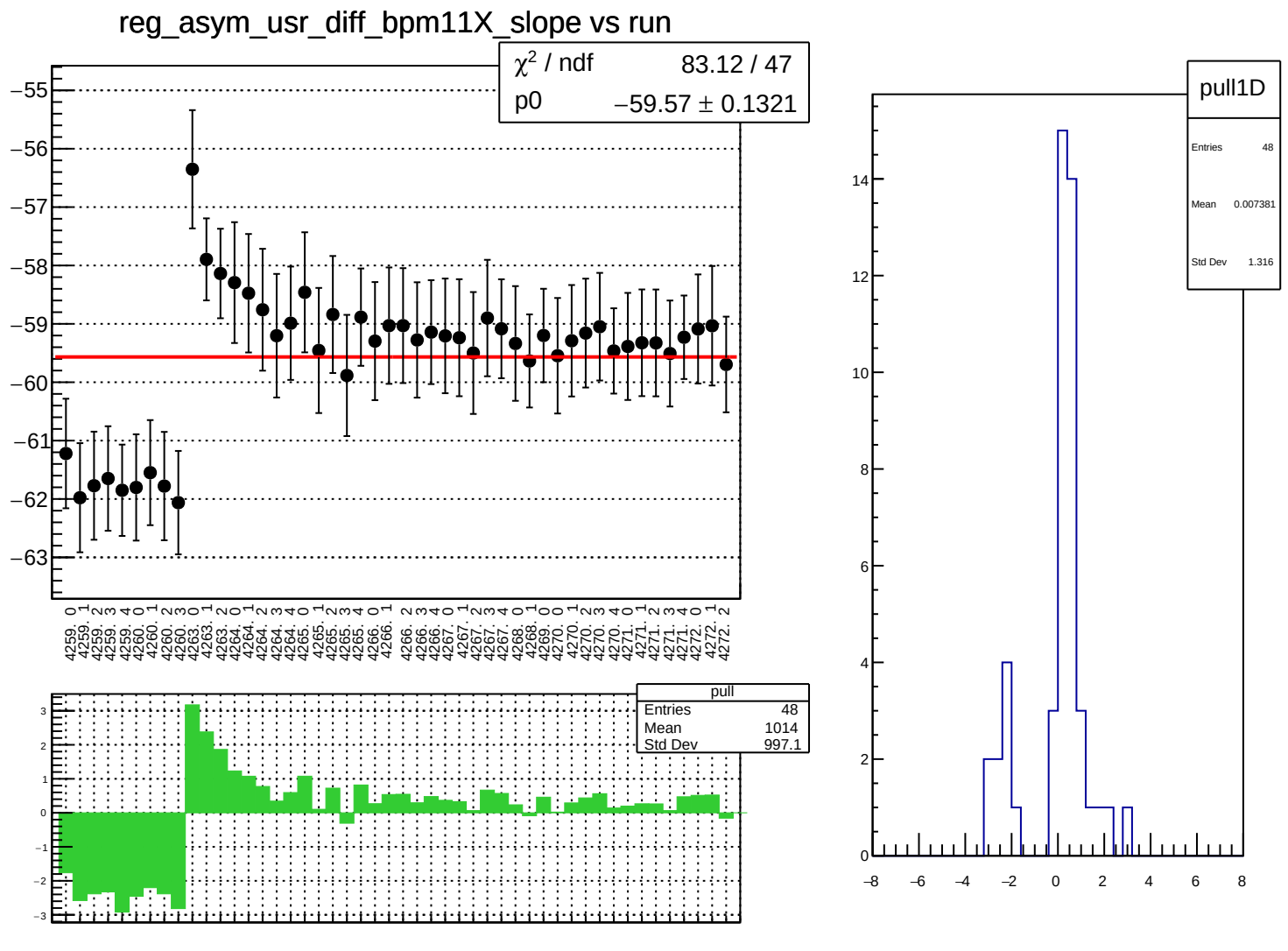

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 21.99 / 47
p0 4.843 ± 0.3939
pull
Entries 48
Mean −7.288
Std Dev 19.49
pull1D
Entries 48
Mean 0.01588
Std Dev 0.6767

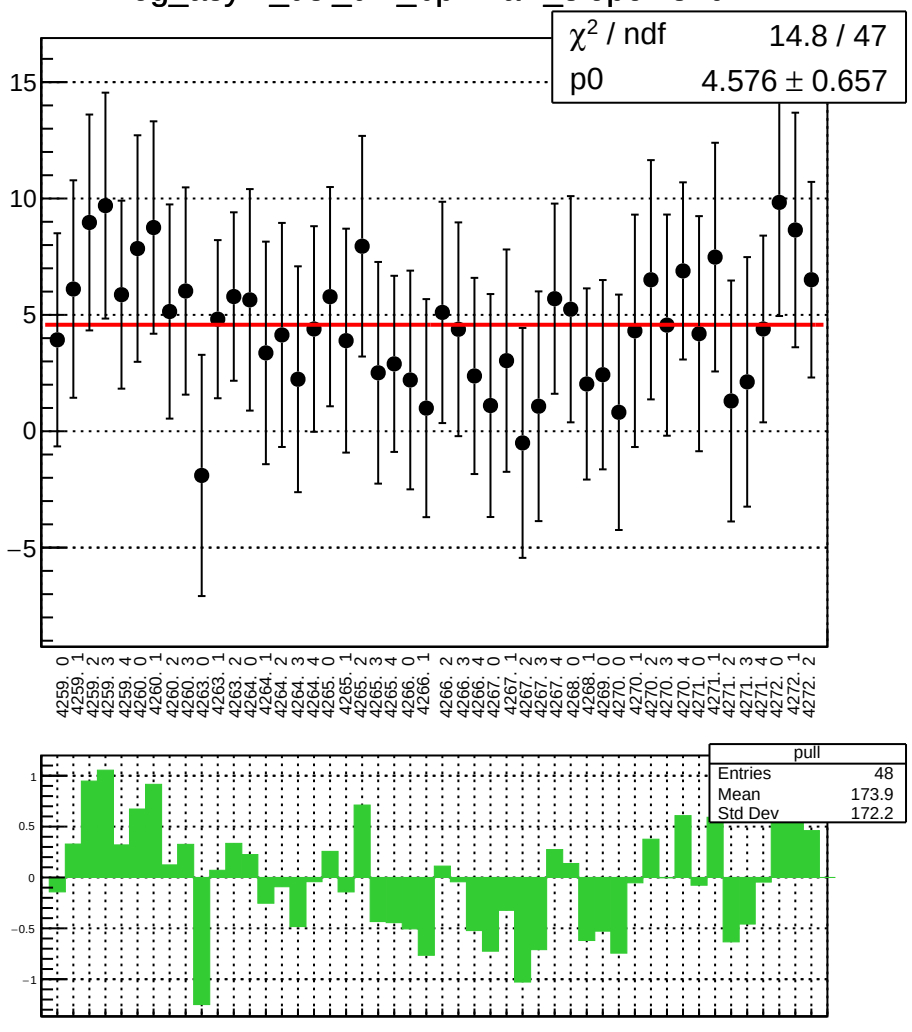

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 211.9 / 47
p0 28.91 ± 0.09926
31
30
29
28
27
26
25
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −1341
Std Dev 1361
2
1
0
−1
−2
−3
−4

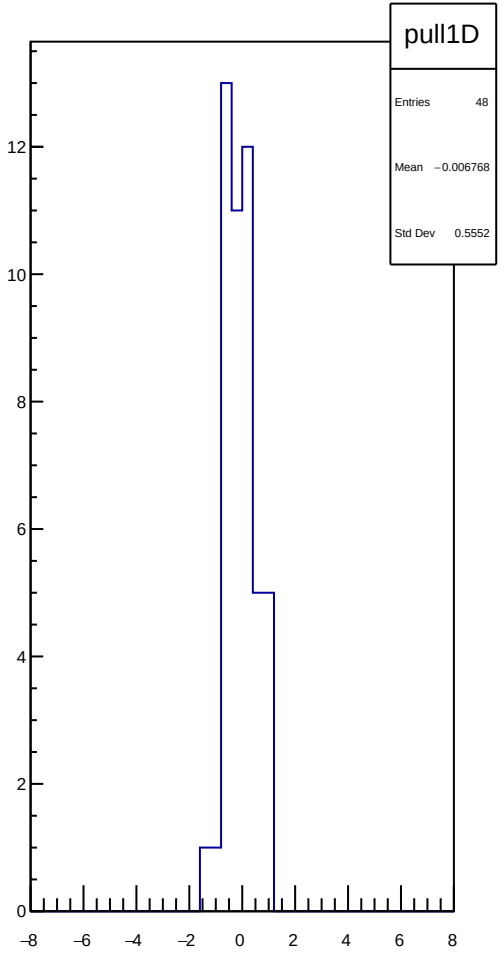

pull1D
Entries 48
Mean −0.01621
Std Dev 2.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

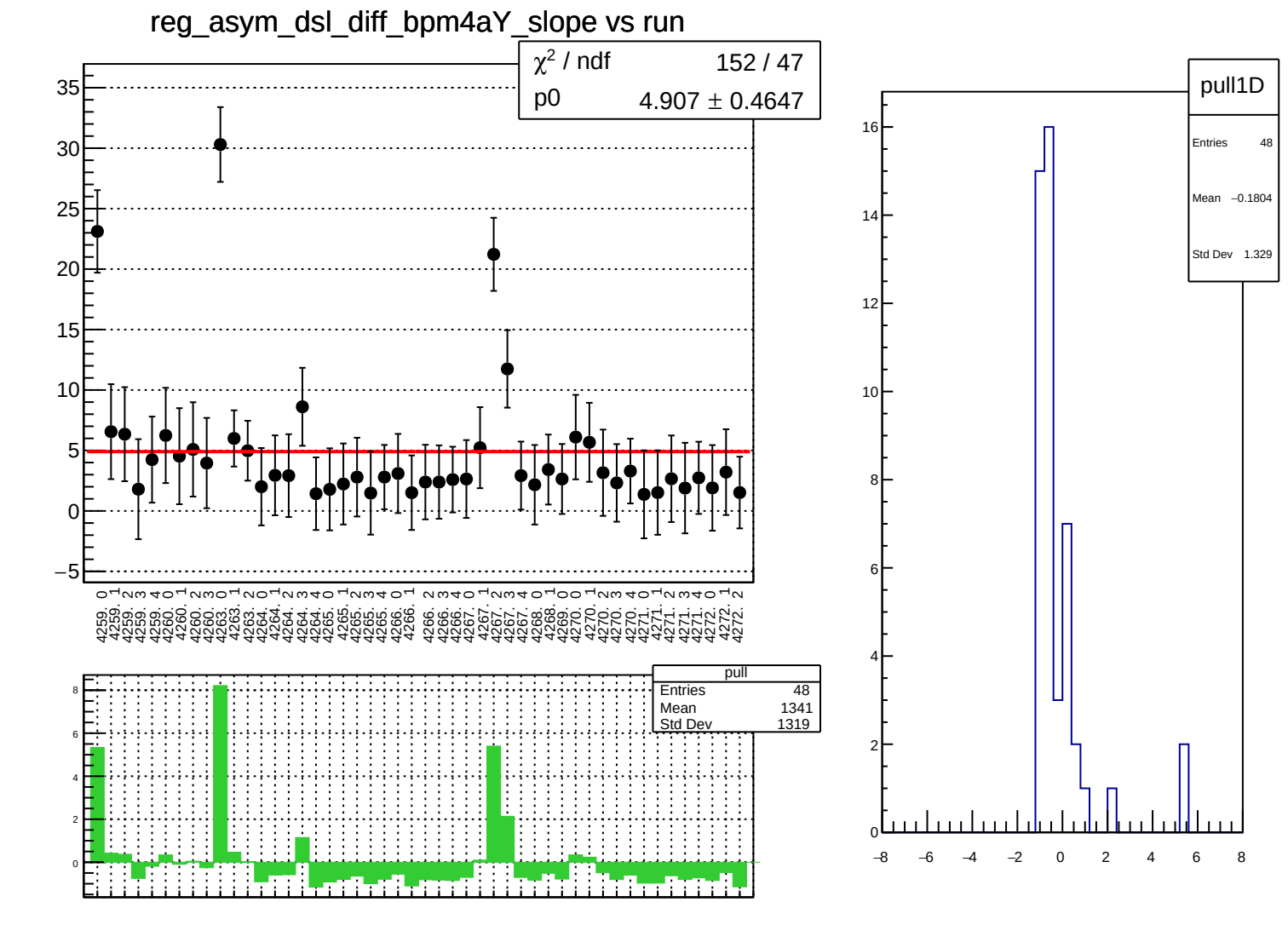

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 22.03 / 47
p0 7.357 ± 0.6688
pull
Entries 48
Mean 62.83
Std Dev 21.36

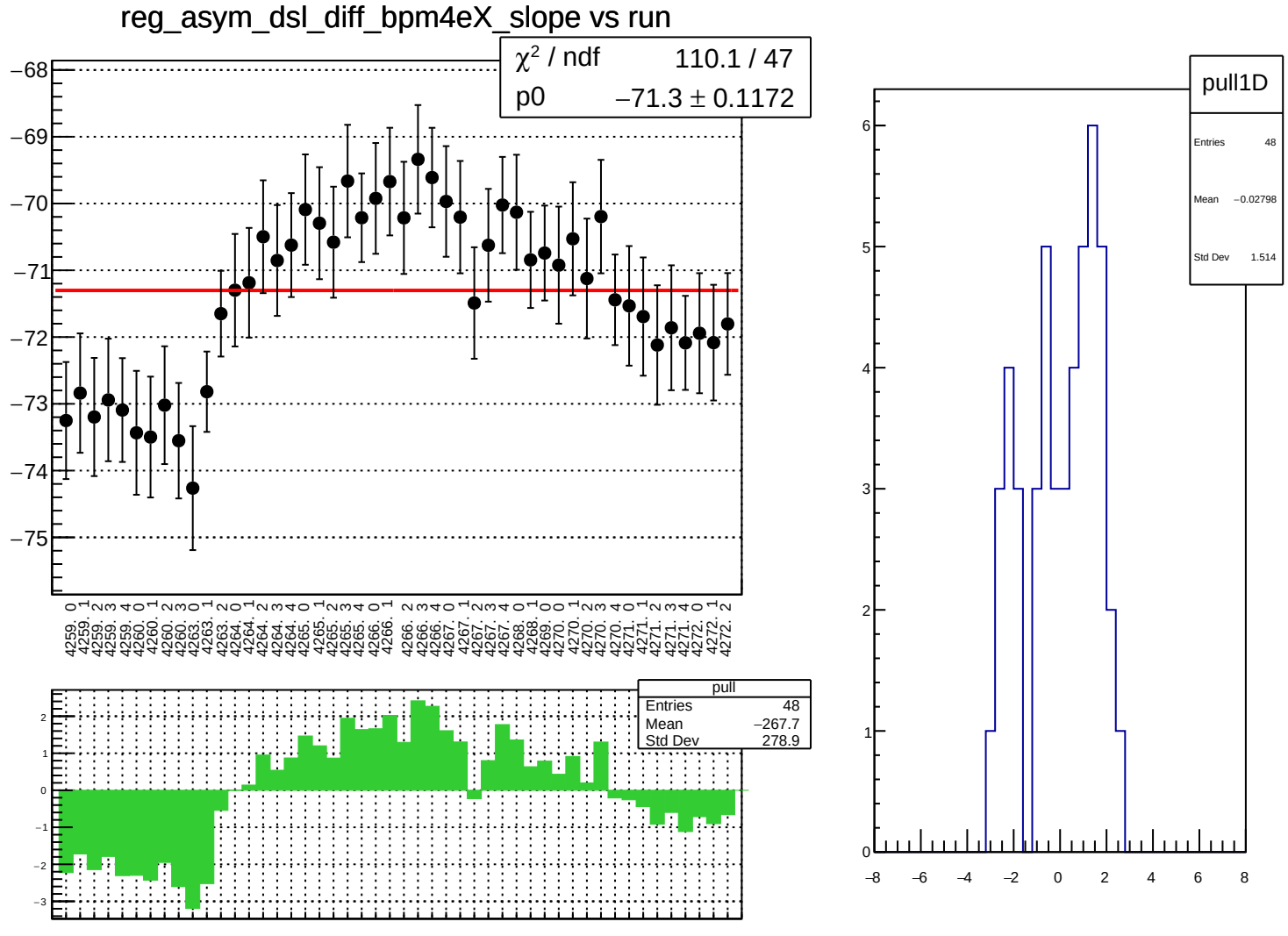

pull1D
Entries 48
Mean −0.01197
Std Dev 0.6774

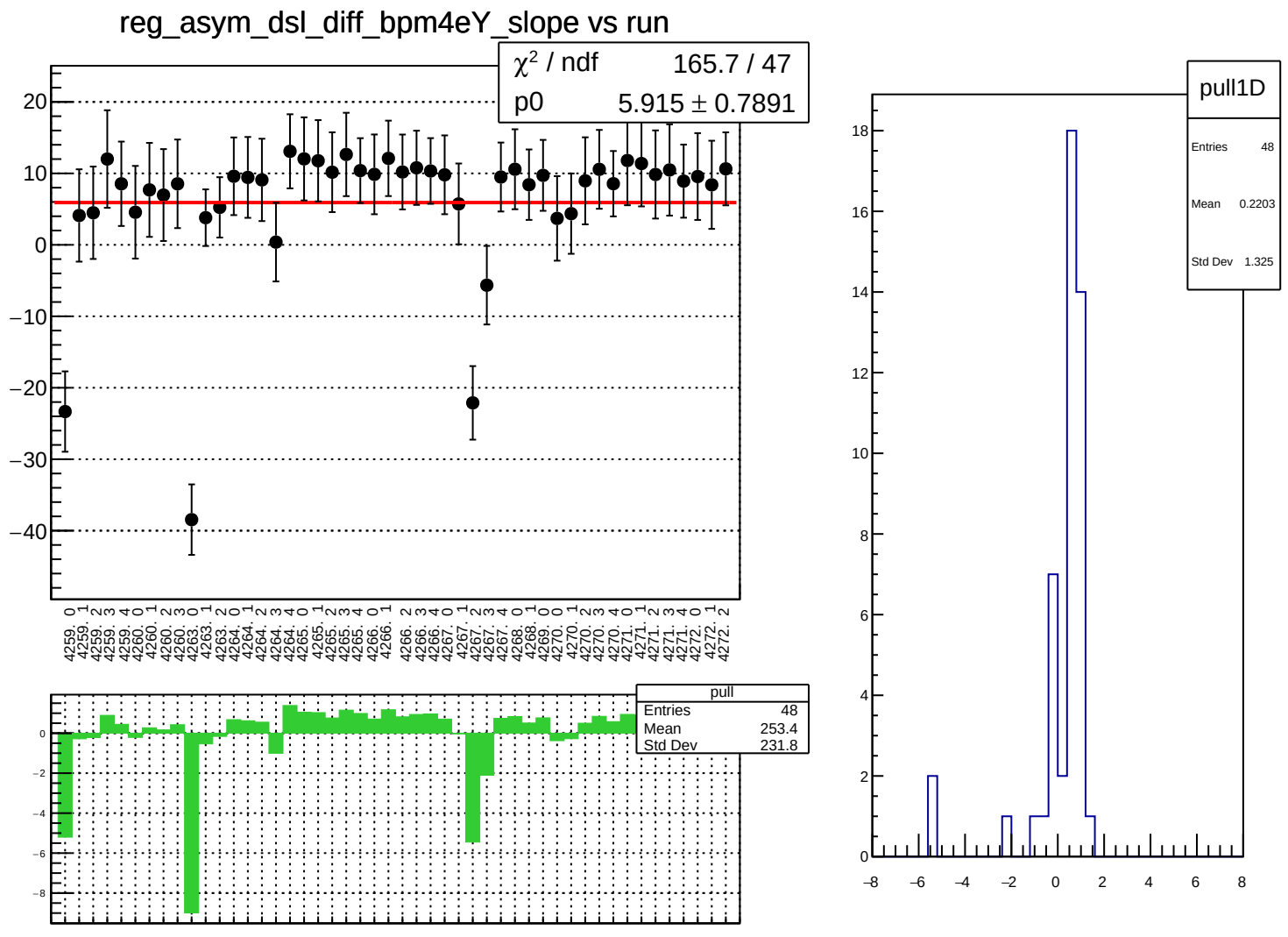

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 83.12 / 47
p0 −59.57 ± 0.1321
pull
Entries 48
Mean 1014
Std Dev 997.1
pull1D
Entries 48
Mean 0.007381
Std Dev 1.316

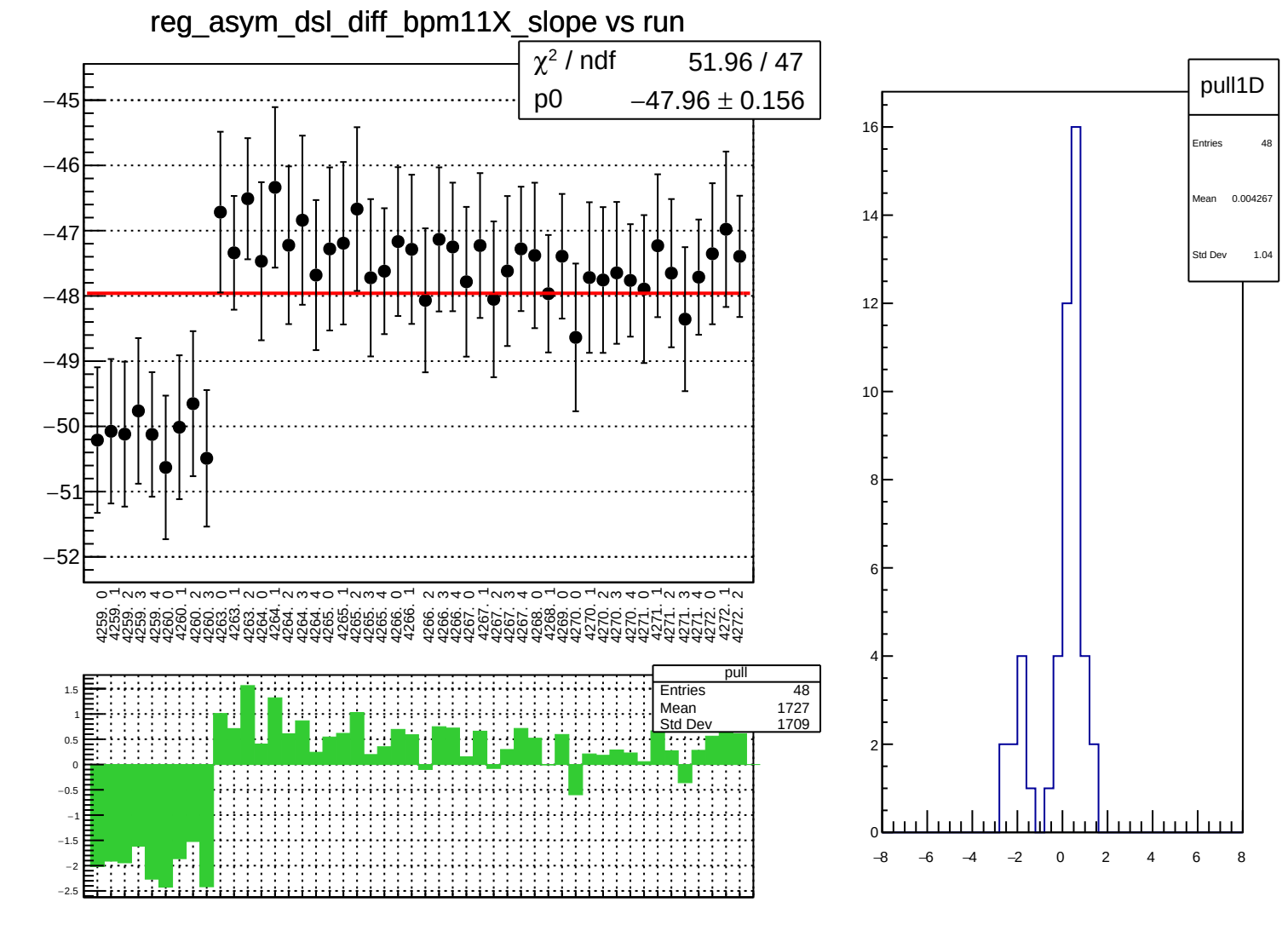

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 14.8 / 47
p0 4.576 ± 0.657
15
10
5
0
−5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 173.9
Std Dev 172.2
1
0.5
0
−0.5
−1

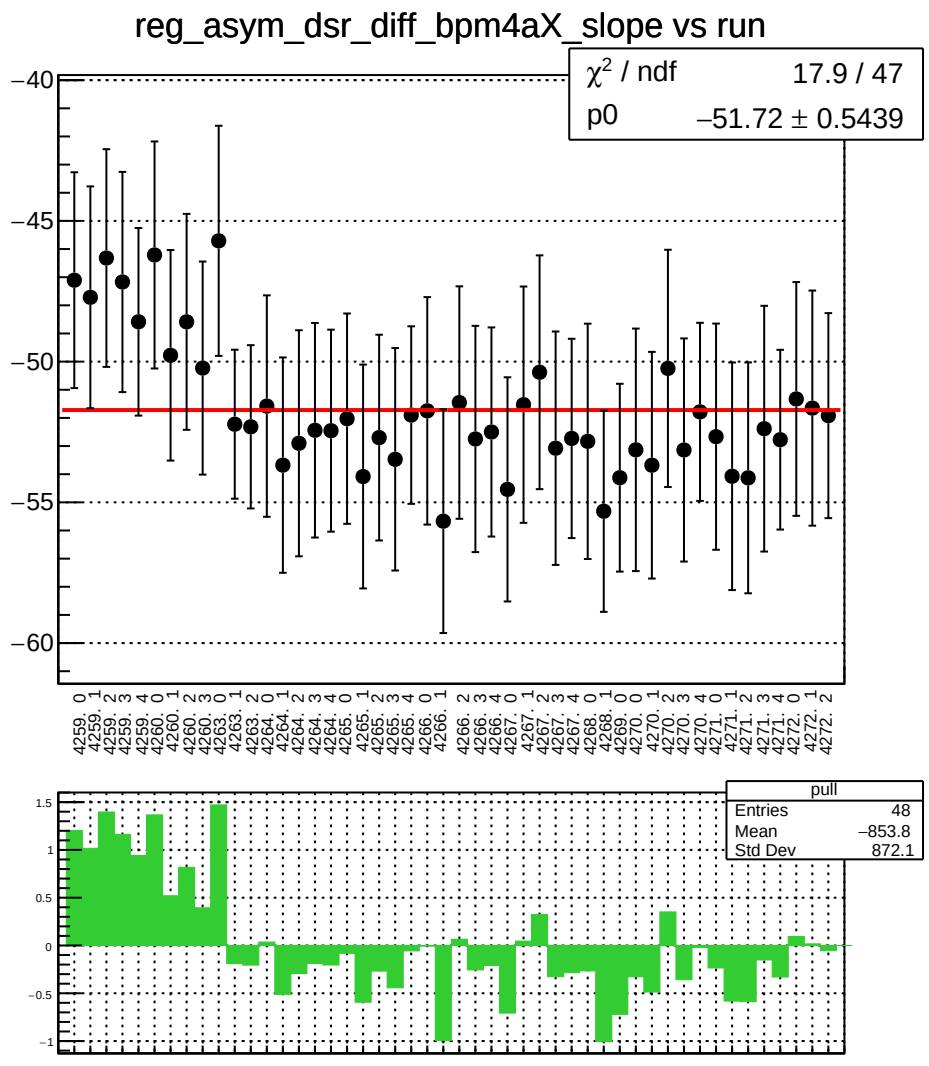

pull1D
Entries 48
Mean −0.006768
Std Dev 0.5552
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

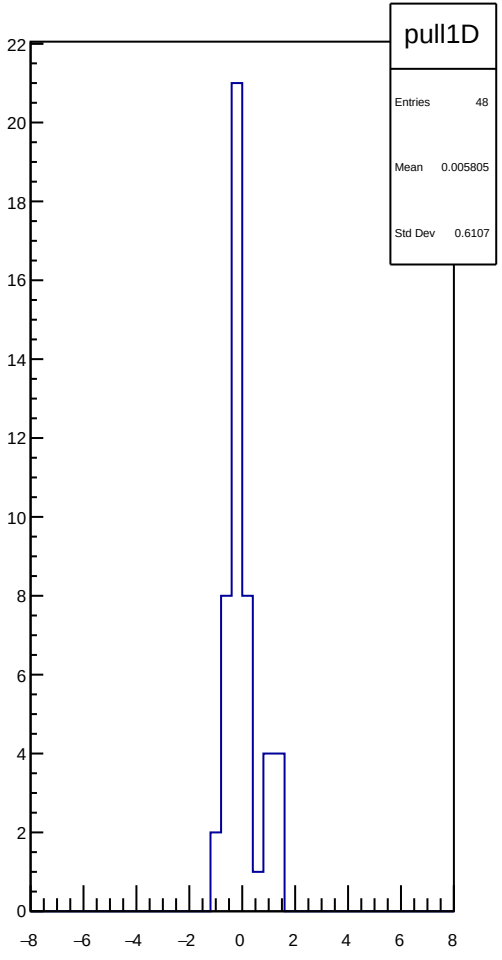

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 152 / 47
p0 4.907 ± 0.4647
pull
Entries 48
Mean 1341
Std Dev 1319
pull1D
Entries 48
Mean −0.1804
Std Dev 1.329

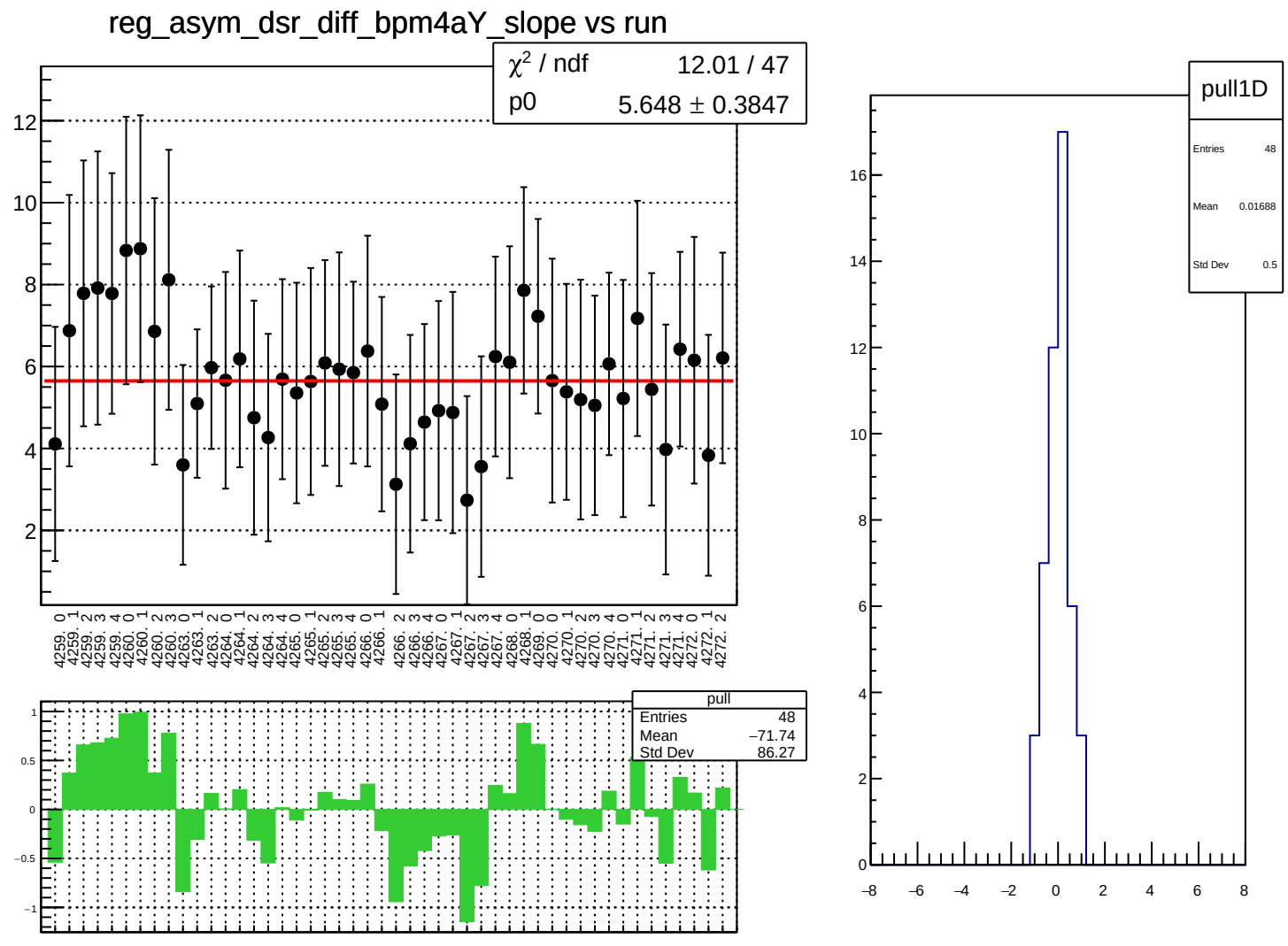

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 110.1 / 47
p0 −71.3 ± 0.1172
pull
Entries 48
Mean −267.7
Std Dev 278.9
pull1D
Entries 48
Mean −0.02798
Std Dev 1.514

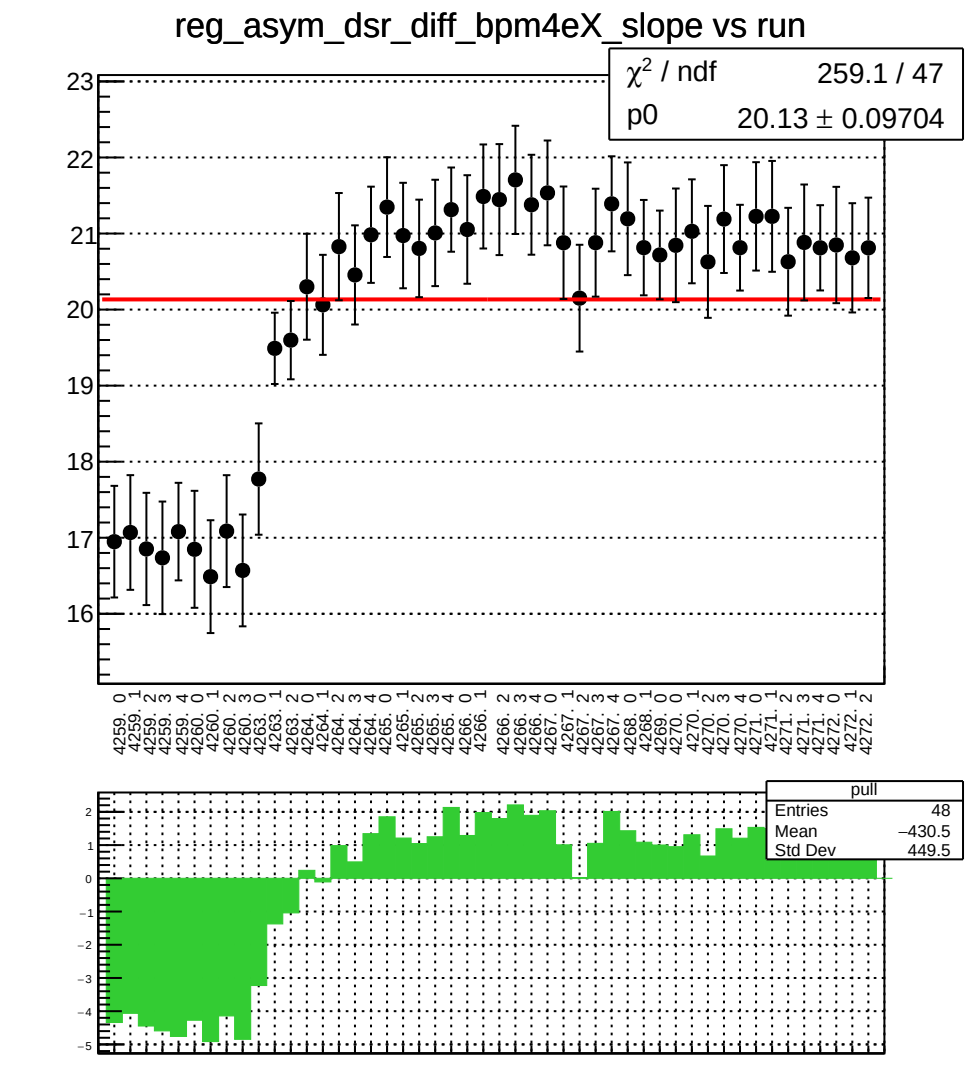

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 165.7 / 47
p0 5.915 ± 0.7891
pull
Entries 48
Mean 253.4
Std Dev 231.8
pull1D
Entries 48
Mean 0.2203
Std Dev 1.325

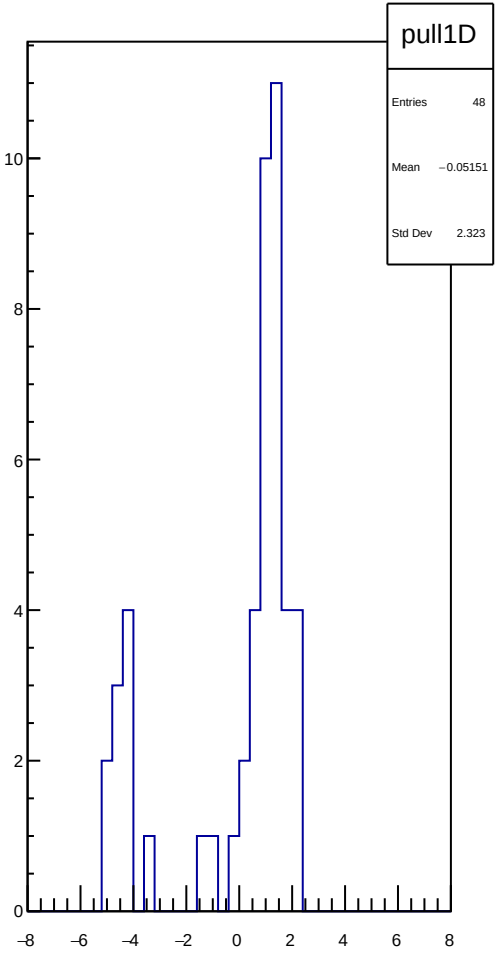

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 51.96 / 47
p0 −47.96 ± 0.156
pull
Entries 48
Mean 1727
Std Dev 1709
pull1D
Entries 48
Mean 0.004267
Std Dev 1.04

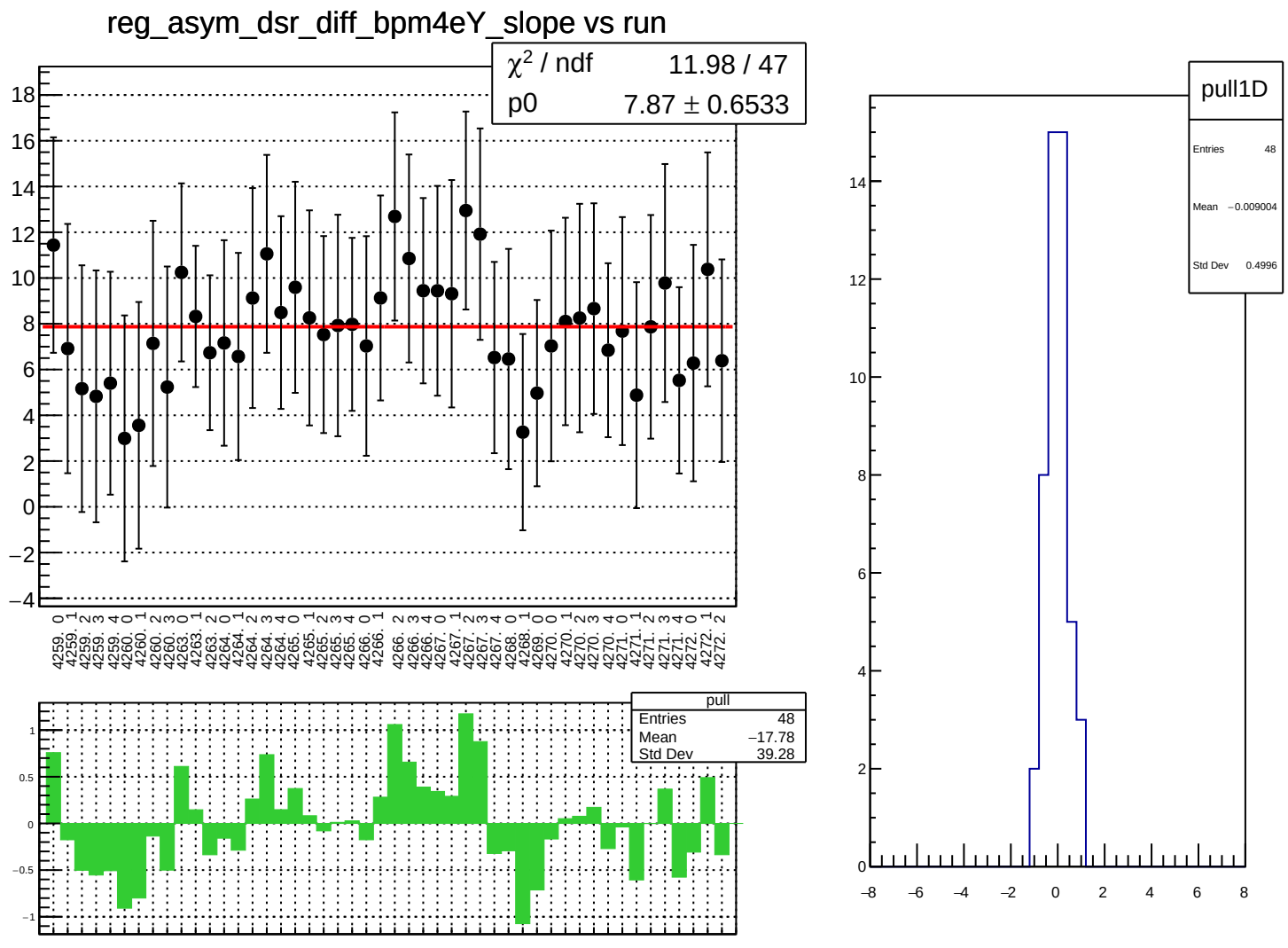

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 17.9 / 47
p0 −51.72 ± 0.5439
−40
−45
−50
−55
−60
pull
Entries 48
Mean −853.8
Std Dev 872.1
1.5
1
0.5
0
−0.5
−1

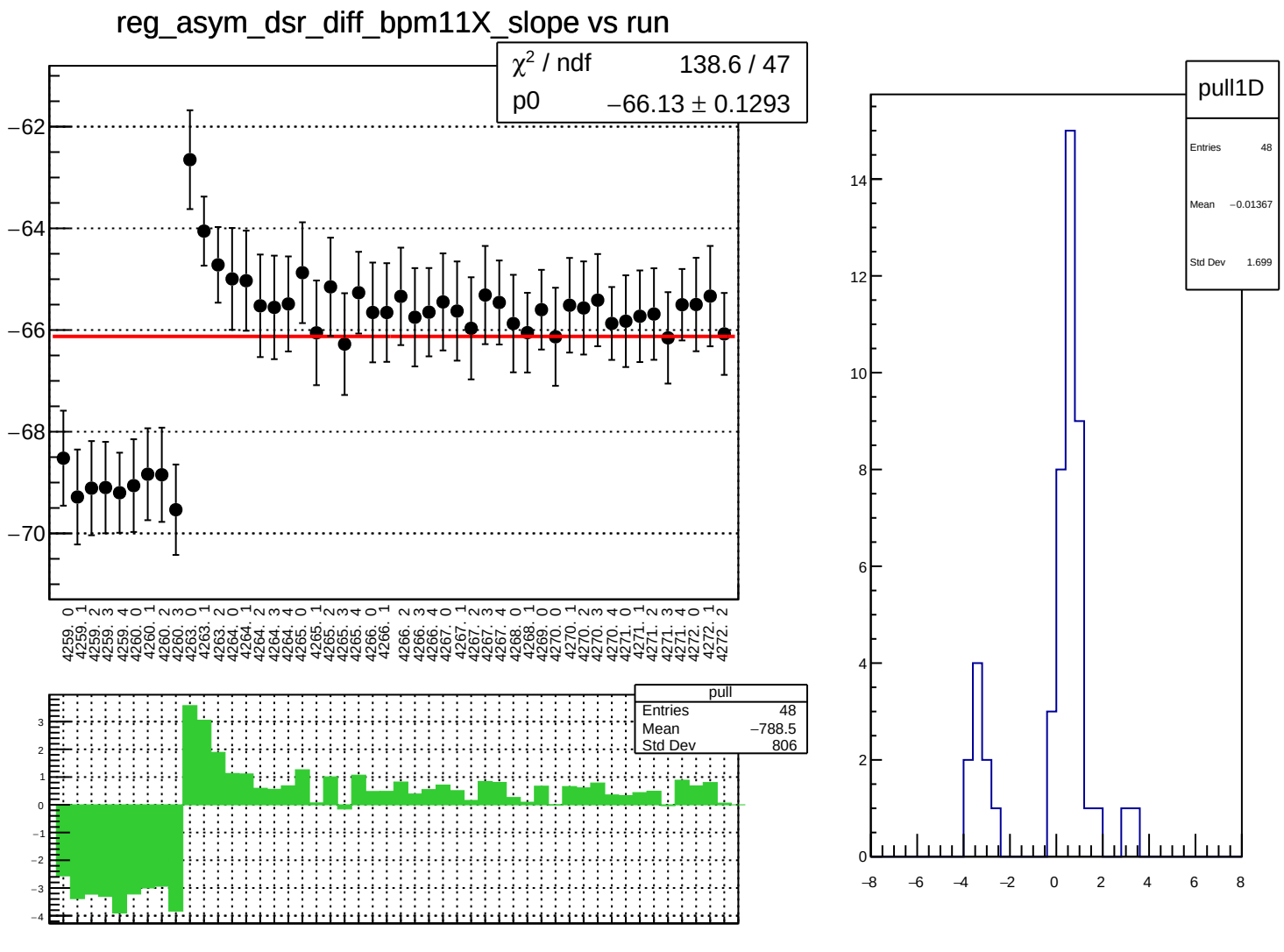

pull1D
Entries 48
Mean 0.005805
Std Dev 0.6107
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

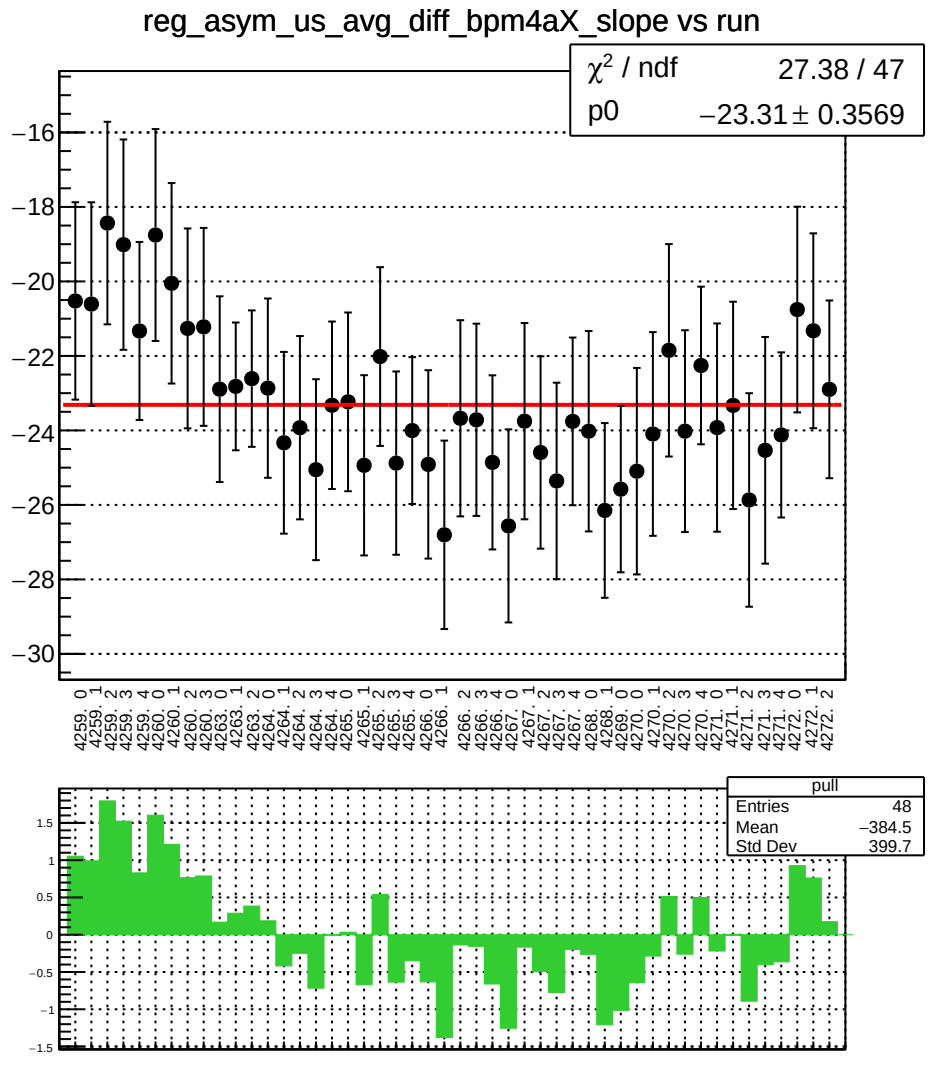

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 12.01 / 47
p0 5.648 ± 0.3847
pull
Entries 48
Mean −71.74
Std Dev 86.27
pull1D
Entries 48
Mean 0.01688
Std Dev 0.5

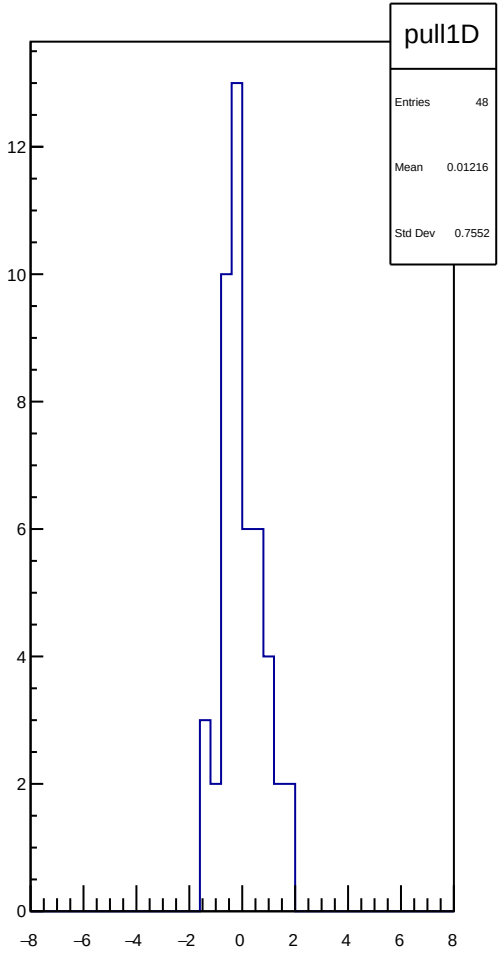

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 259.1 / 47
p0 20.13 ± 0.09704
pull
Entries 48
Mean −430.5
Std Dev 449.5

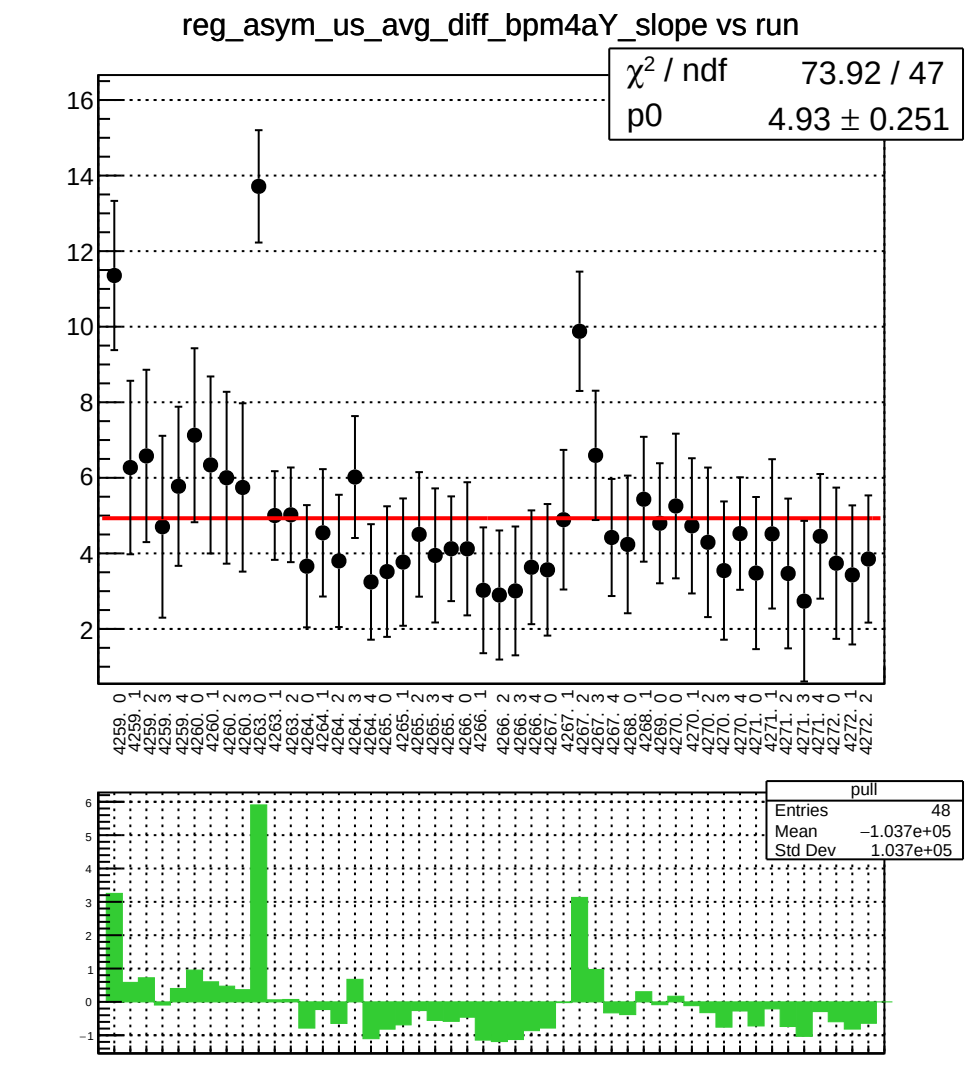

pull1D
Entries 48
Mean −0.05151
Std Dev 2.323

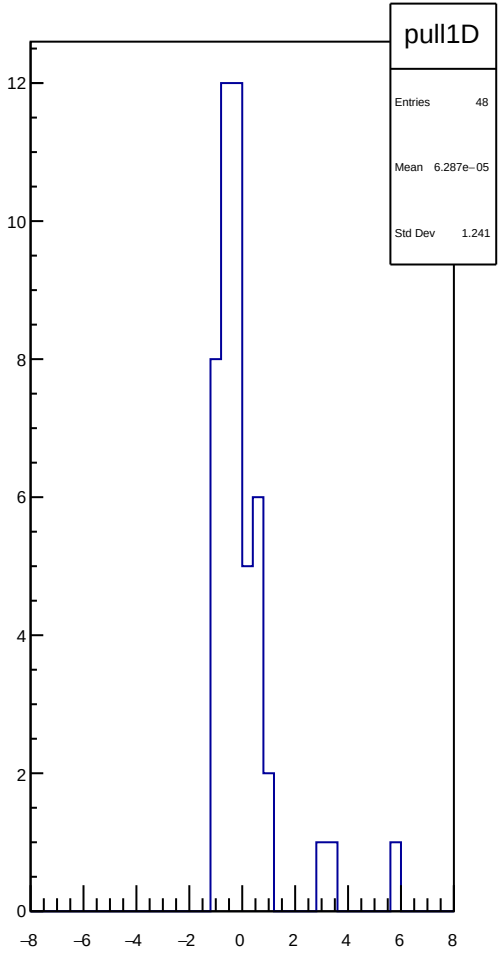

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 11.98 / 47
p0 7.87 ± 0.6533
pull
Entries 48
Mean −17.78
Std Dev 39.28
pull1D
Entries 48
Mean −0.009004
Std Dev 0.4996

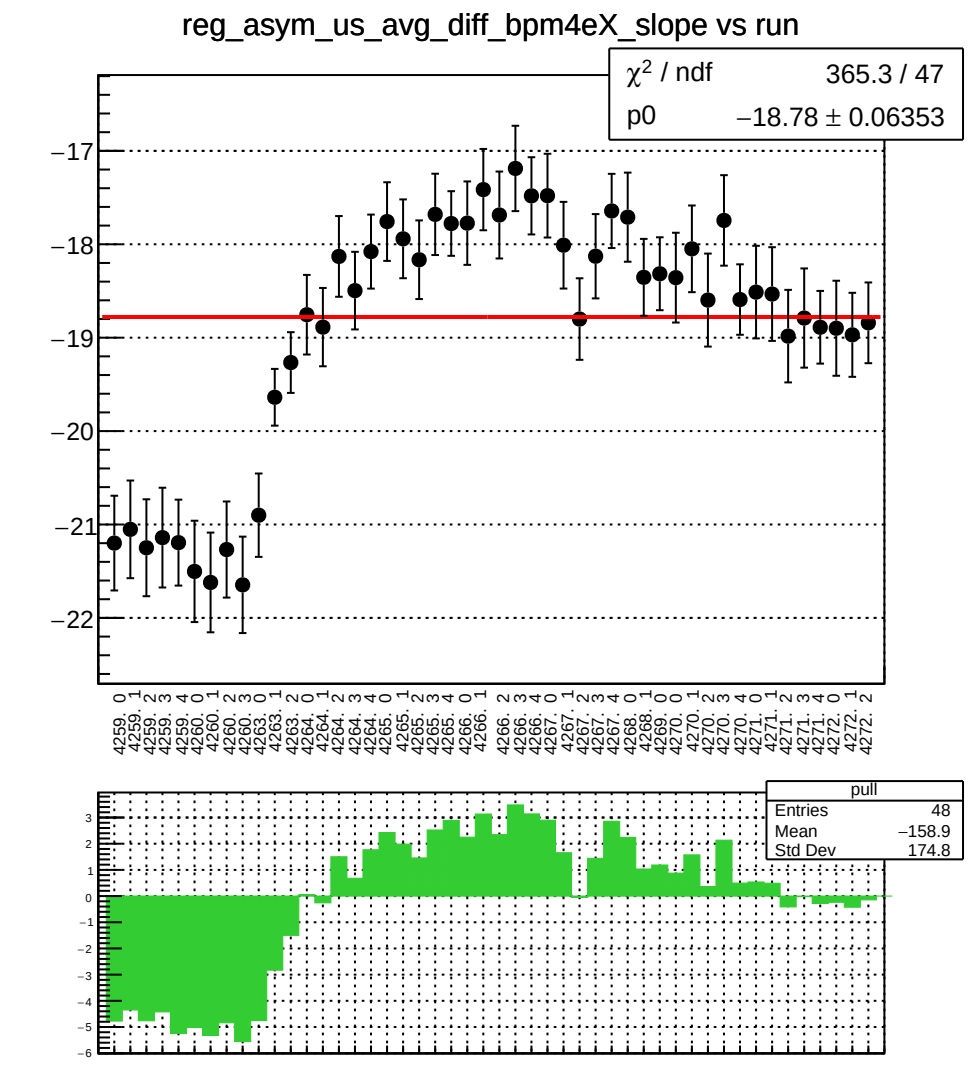

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 138.6 / 47
p0 −66.13 ± 0.1293
−62
−64
−66
−68
−70
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −788.5
Std Dev 806
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 48
Mean −0.01367
Std Dev 1.699
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

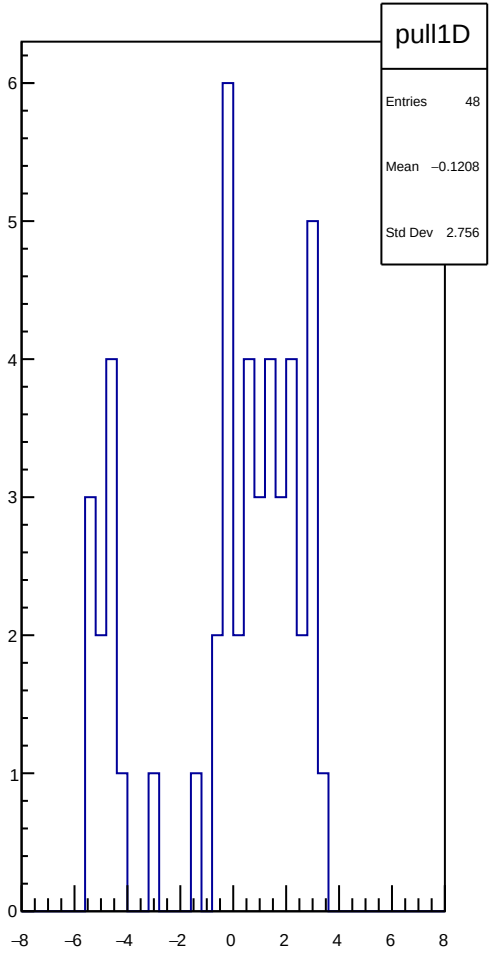

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.38 / 47
p0 −23.31 ± 0.3569
pull
Entries 48
Mean −384.5
Std Dev 399.7

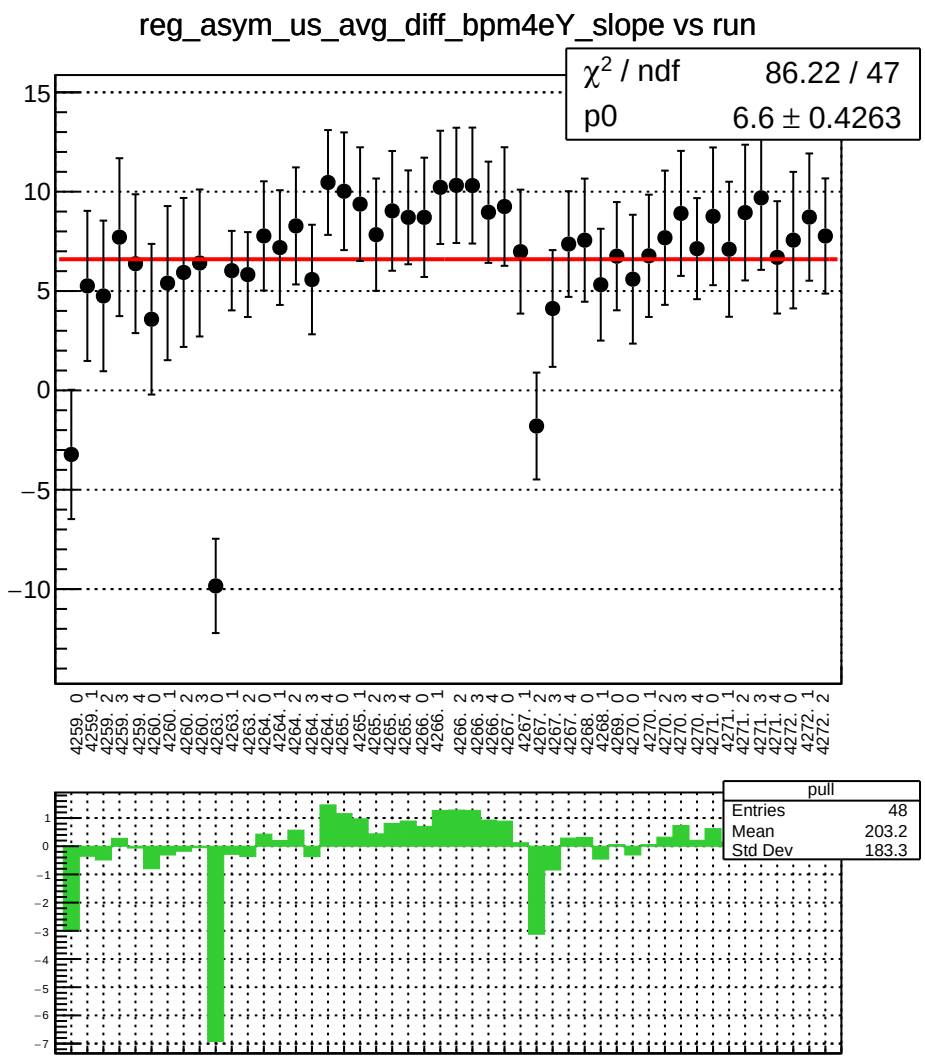

pull1D
Entries 48
Mean 0.01216
Std Dev 0.7552

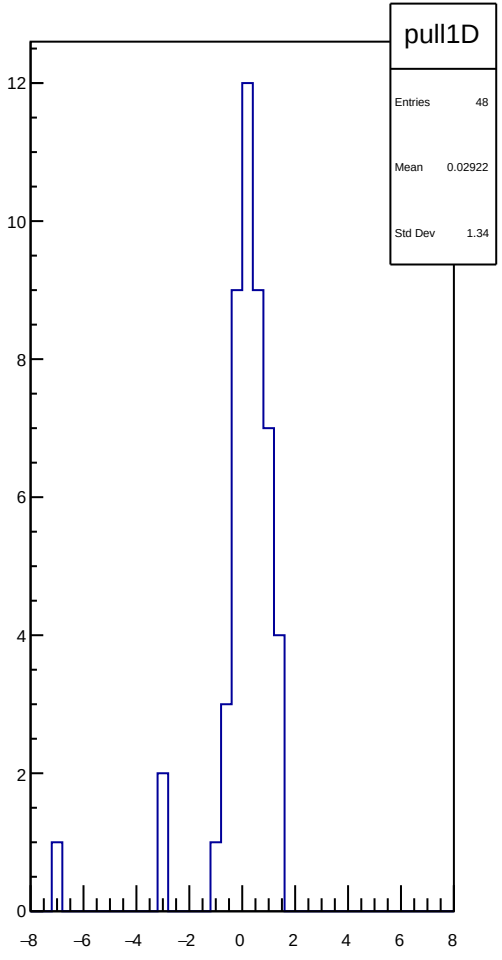

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.92 / 47
p0 4.93 ± 0.251
pull
Entries 48
Mean −1.037e+05
Std Dev 1.037e+05

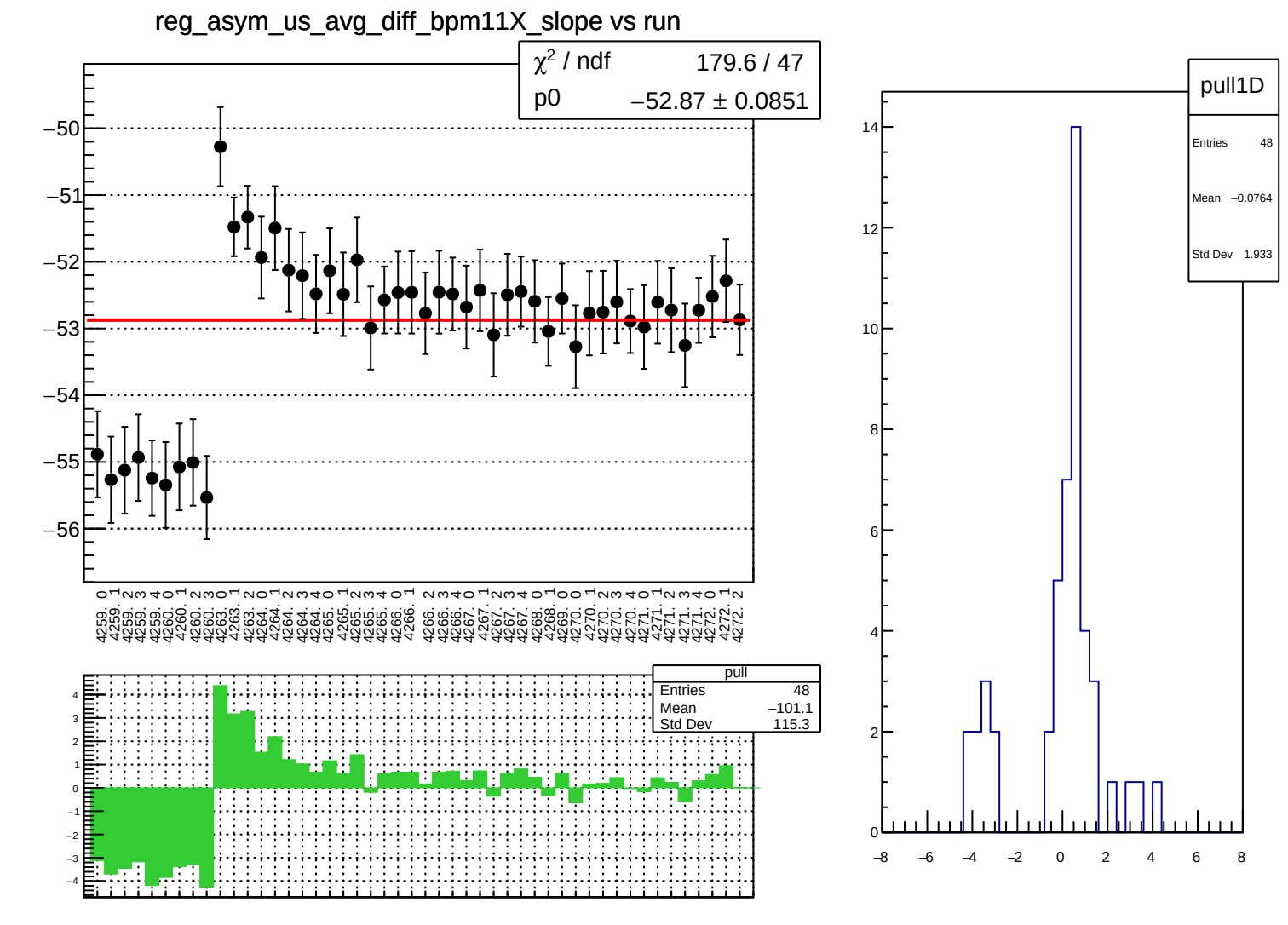

pull1D
Entries 48
Mean 6.287e−05
Std Dev 1.241

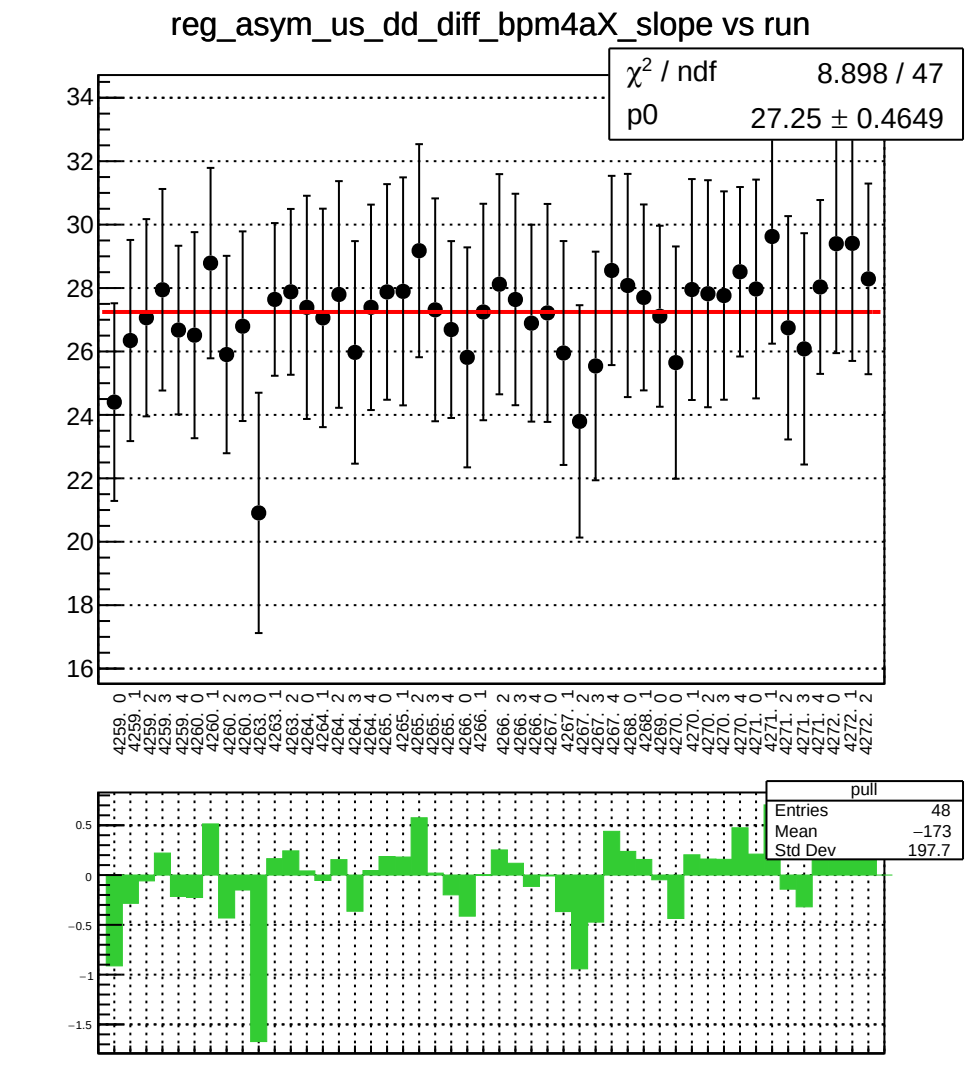

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 365.3 / 47
p0 −18.78 ± 0.06353
pull
Entries 48
Mean −158.9
Std Dev 174.8

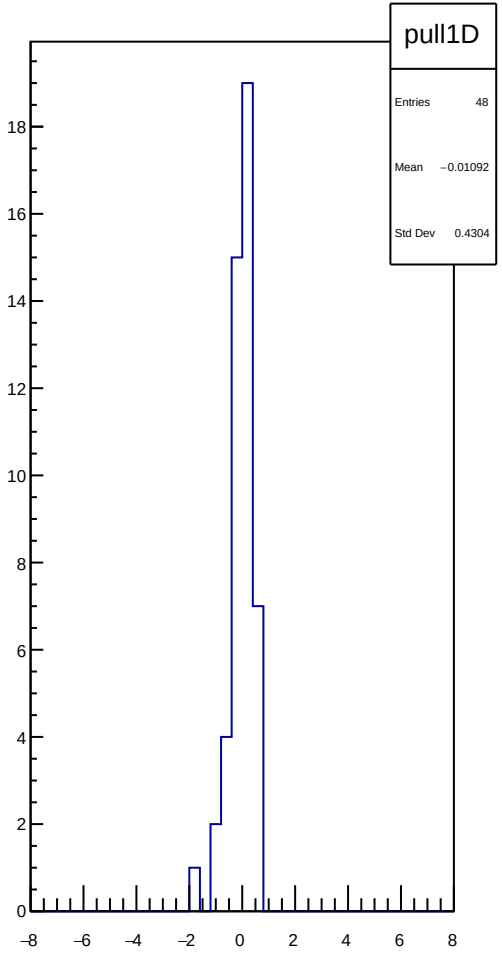

pull1D
Entries 48
Mean −0.1208
Std Dev 2.756

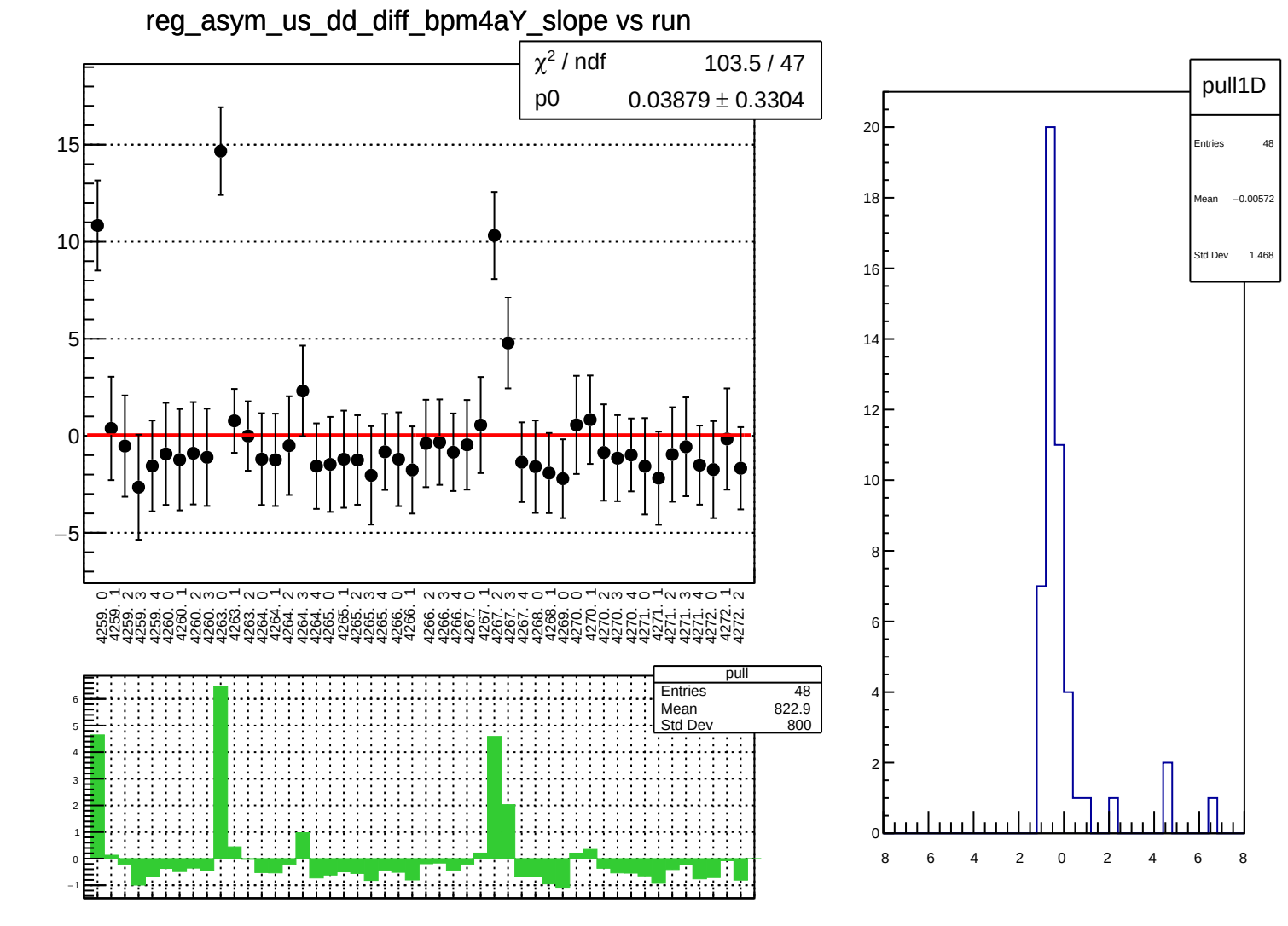

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.22 / 47
p0 6.6 ± 0.4263
pull
Entries 48
Mean 203.2
Std Dev 183.3

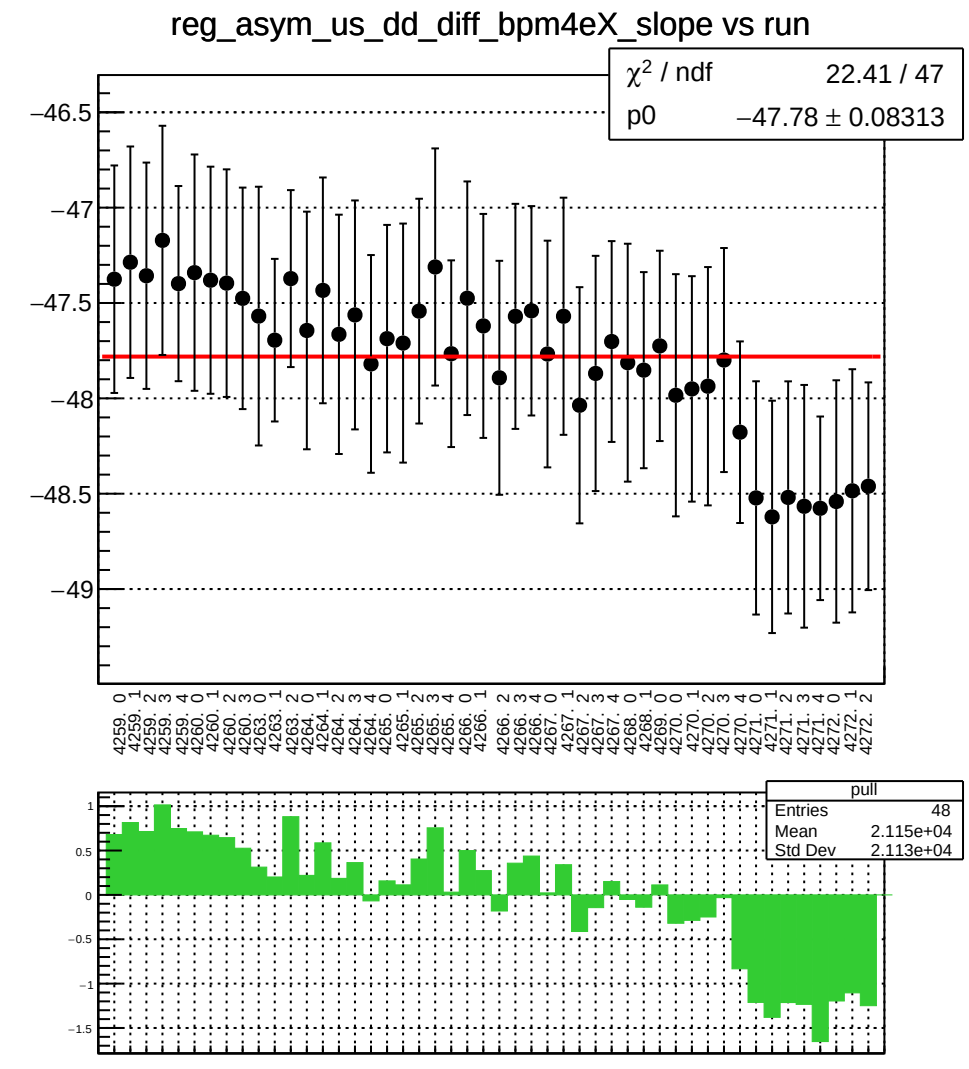

pull1D
Entries 48
Mean 0.02922
Std Dev 1.34

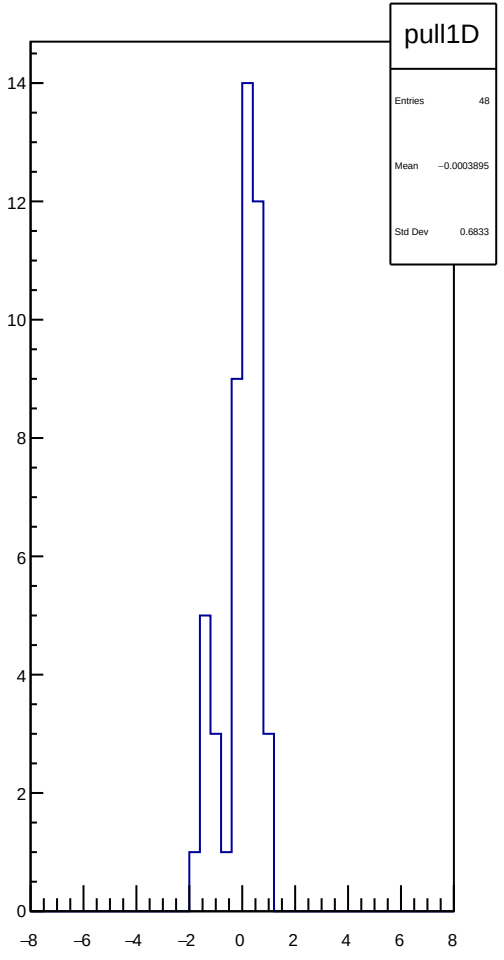

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 179.6 / 47
p0 −52.87 ± 0.0851
pull
Entries 48
Mean −101.1
Std Dev 115.3
pull1D
Entries 48
Mean −0.0764
Std Dev 1.933

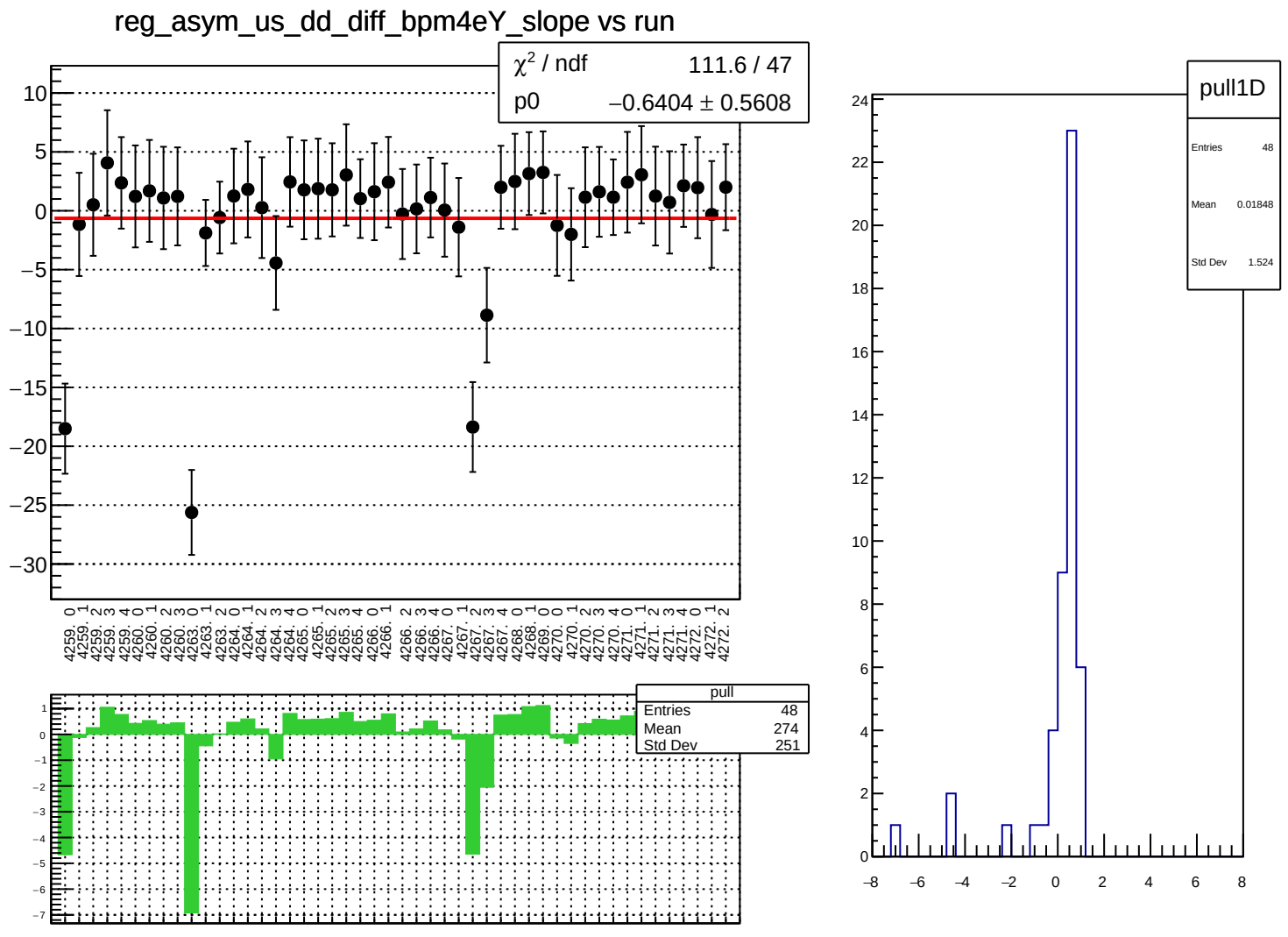

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.898 / 47
p0 27.25 ± 0.4649
pull
Entries 48
Mean −173
Std Dev 197.7

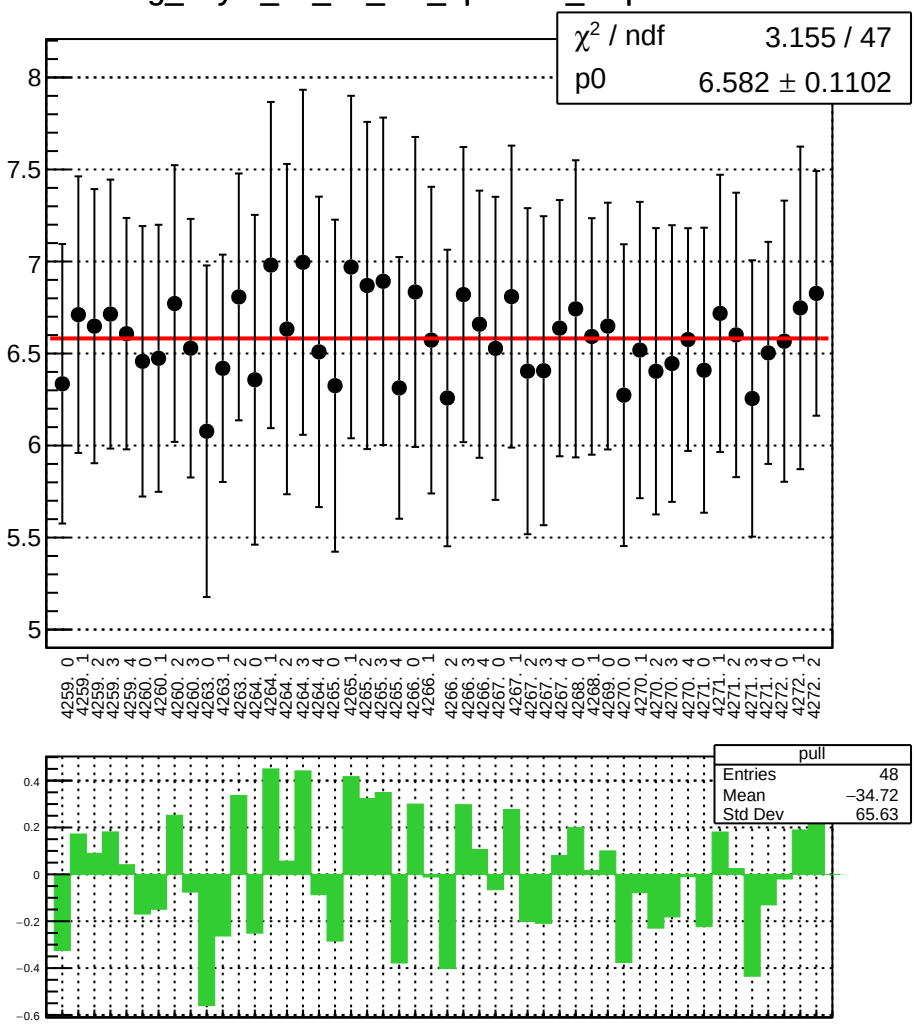

pull1D
Entries 48
Mean −0.01092
Std Dev 0.4304

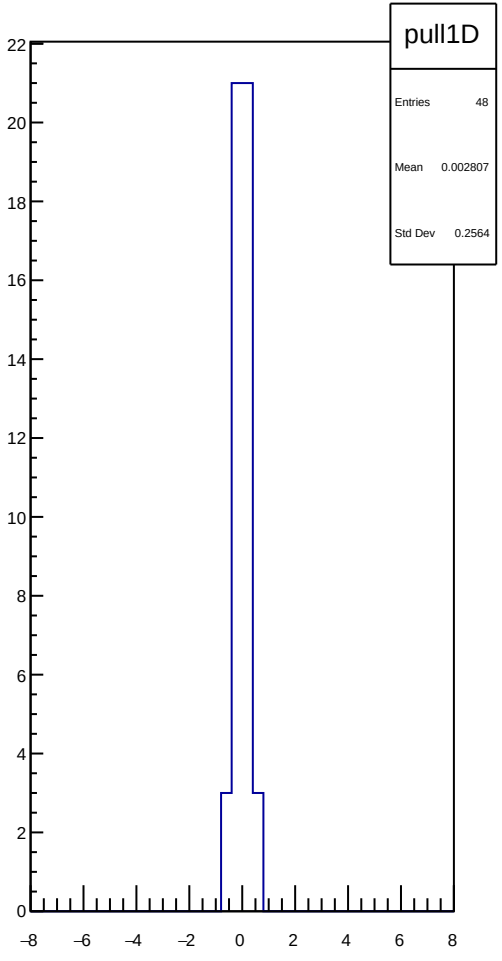

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 103.5 / 47
p0 0.03879 ± 0.3304
15
10
5
0
−5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 822.9
Std Dev 800
6
5
4
3
2
1
0
−1
pull1D
Entries 48
Mean −0.00572
Std Dev 1.468
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

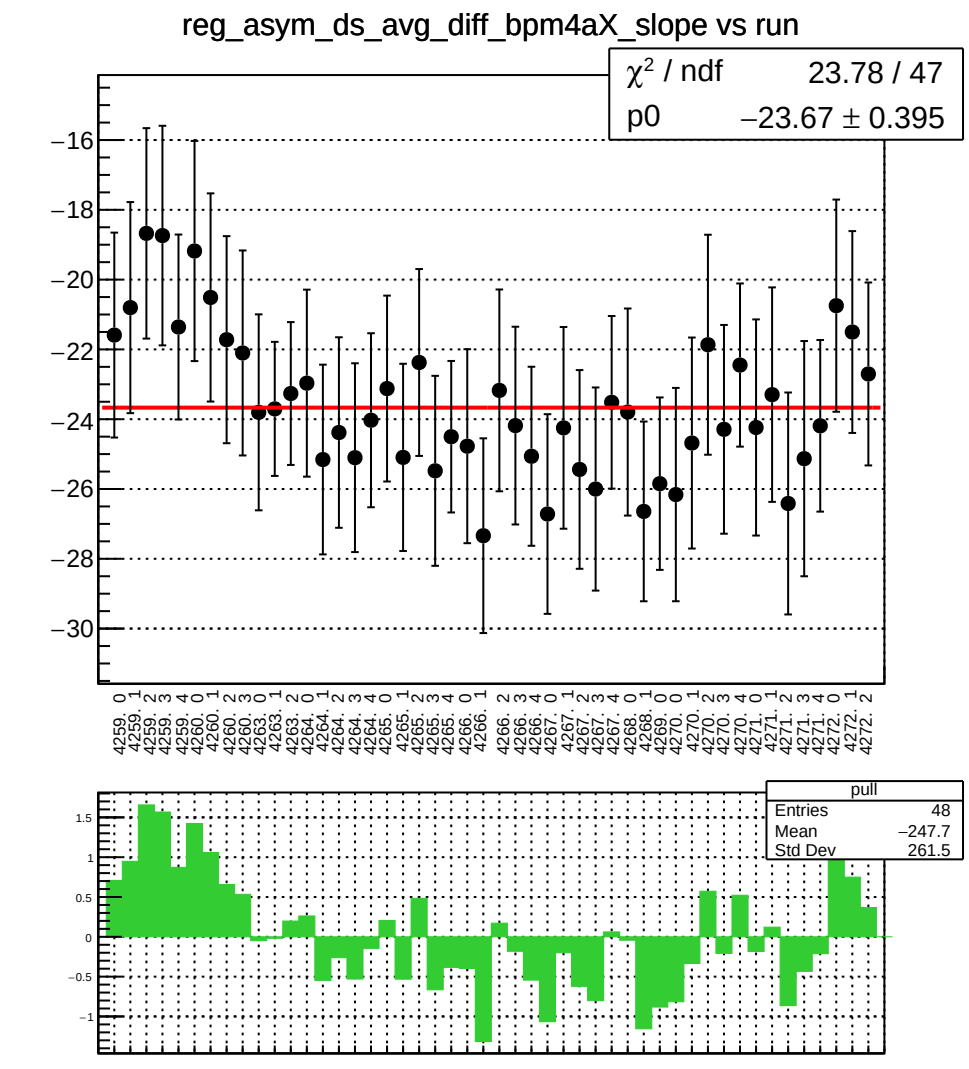

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.41 / 47
p0 −47.78 ± 0.08313
−46.5
−47
−47.5
−48
−48.5
−49
pull
Entries 48
Mean 2.115e+04
Std Dev 2.113e+04
1
0.5
0
−0.5
−1
−1.5

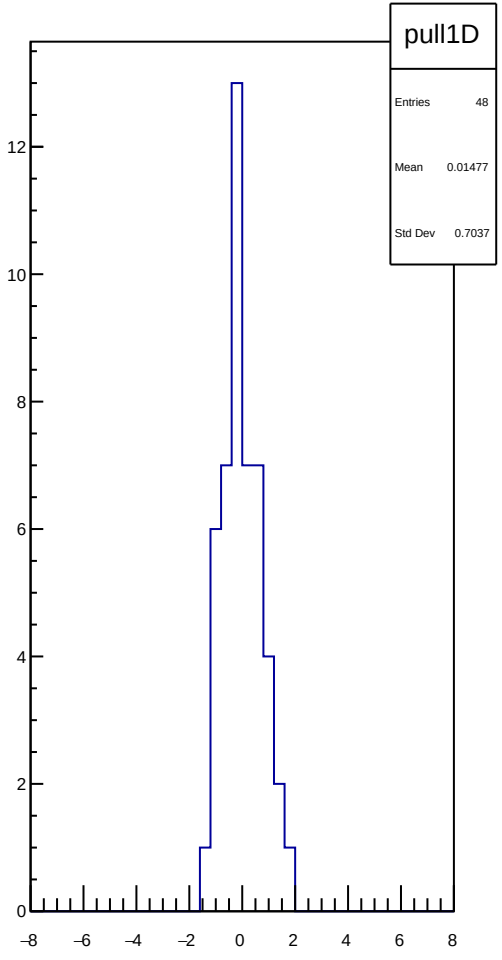

pull1D
Entries 48
Mean −0.0003895
Std Dev 0.6833
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

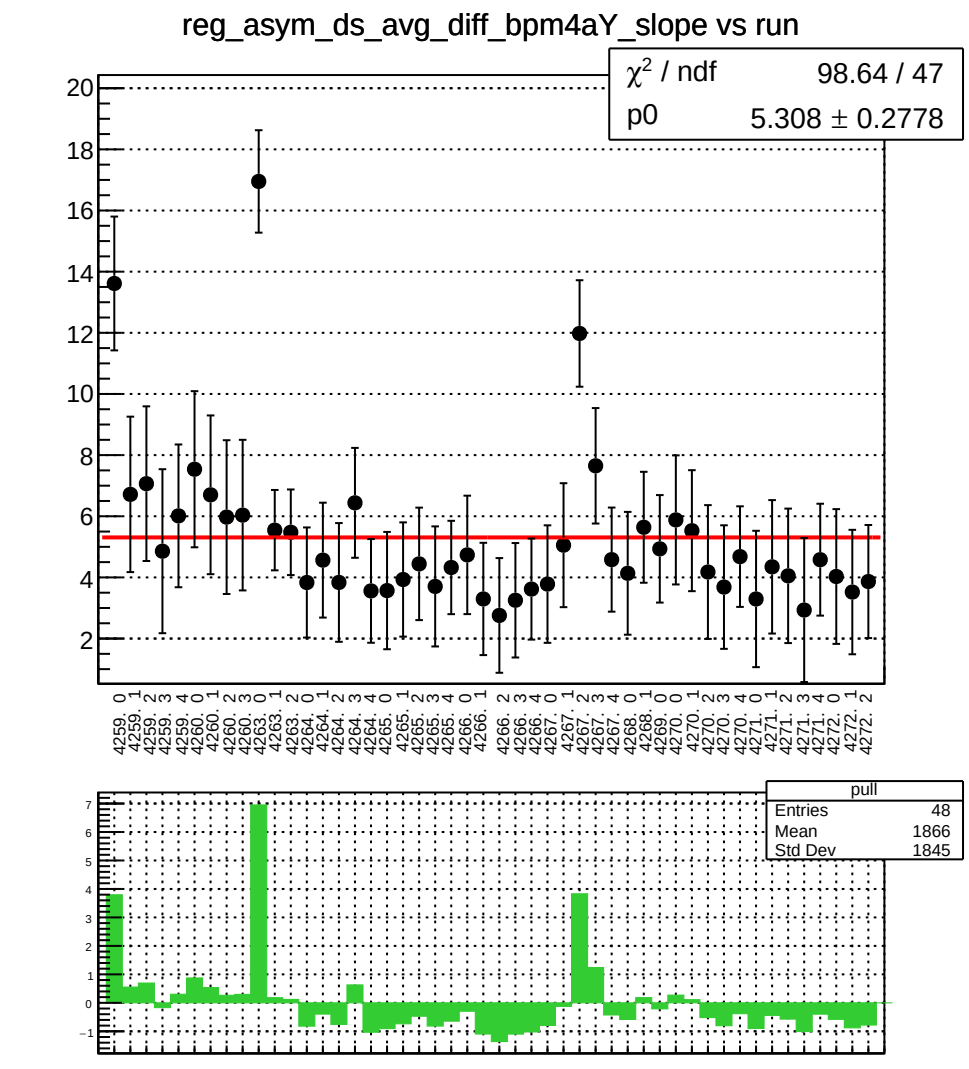

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 111.6 / 47
p0 −0.6404 ± 0.5608
pull
Entries 48
Mean 274
Std Dev 251
pull1D
Entries 48
Mean 0.01848
Std Dev 1.524

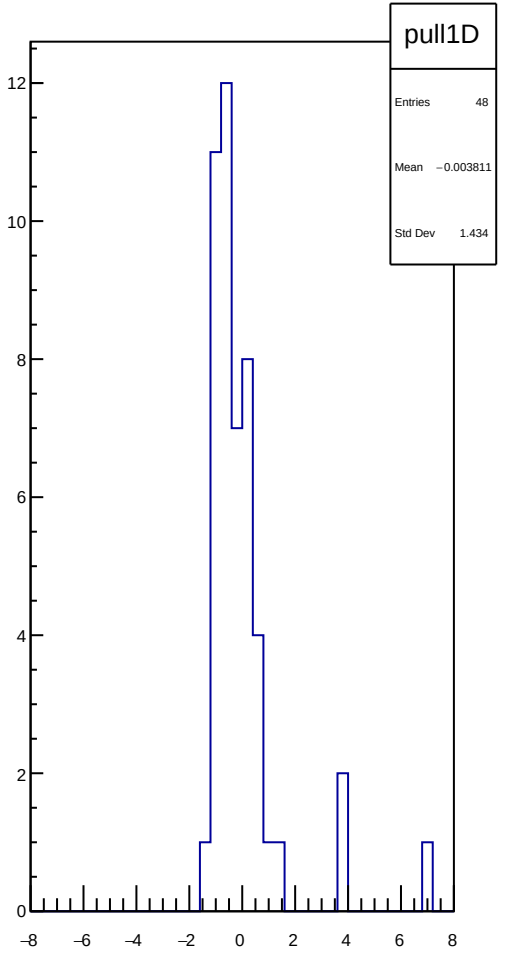

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 3.155 / 47
p0 6.582 ± 0.1102
pull
Entries 48
Mean −34.72
Std Dev 65.63

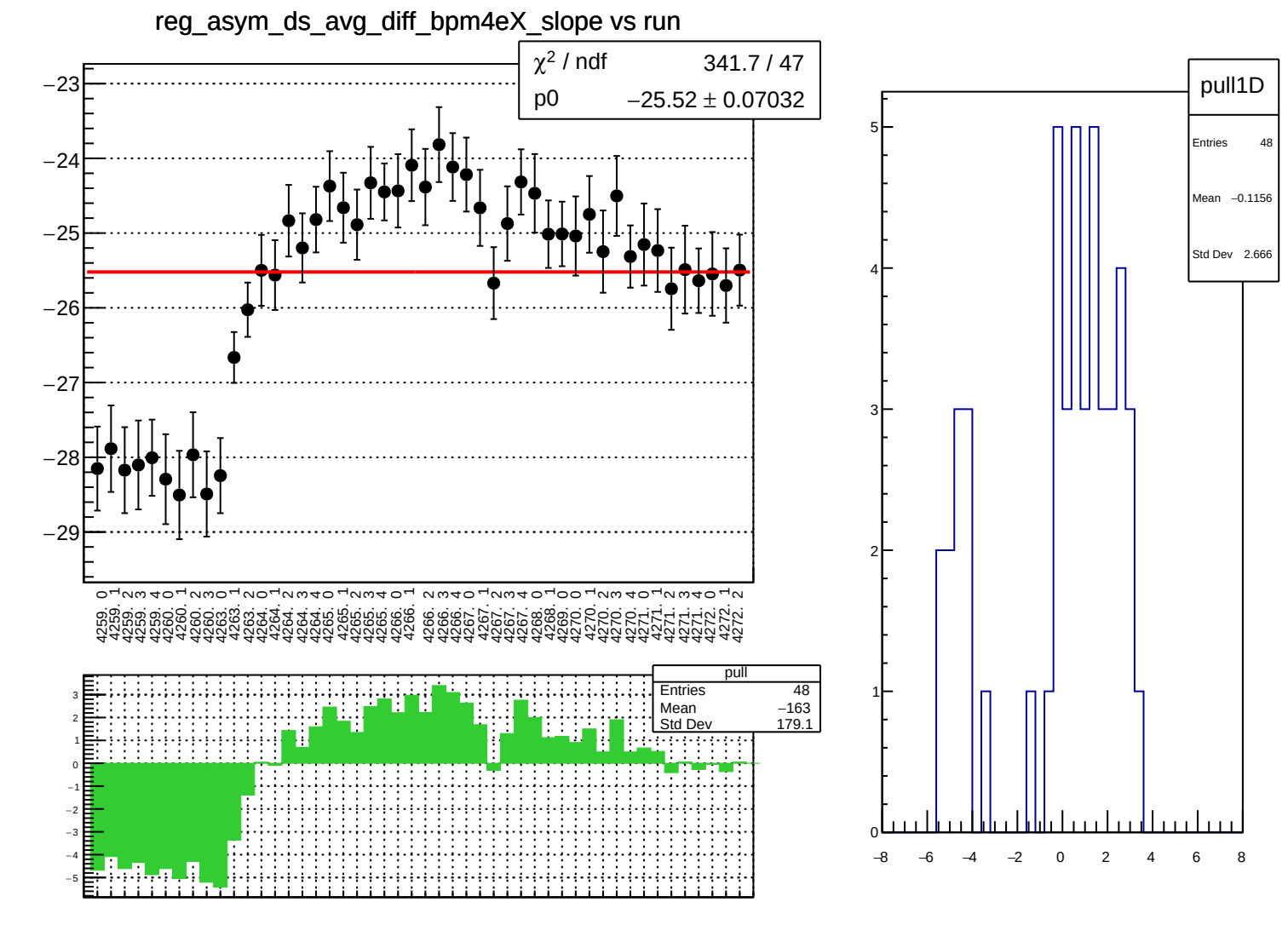

pull1D
Entries 48
Mean 0.002807
Std Dev 0.2564

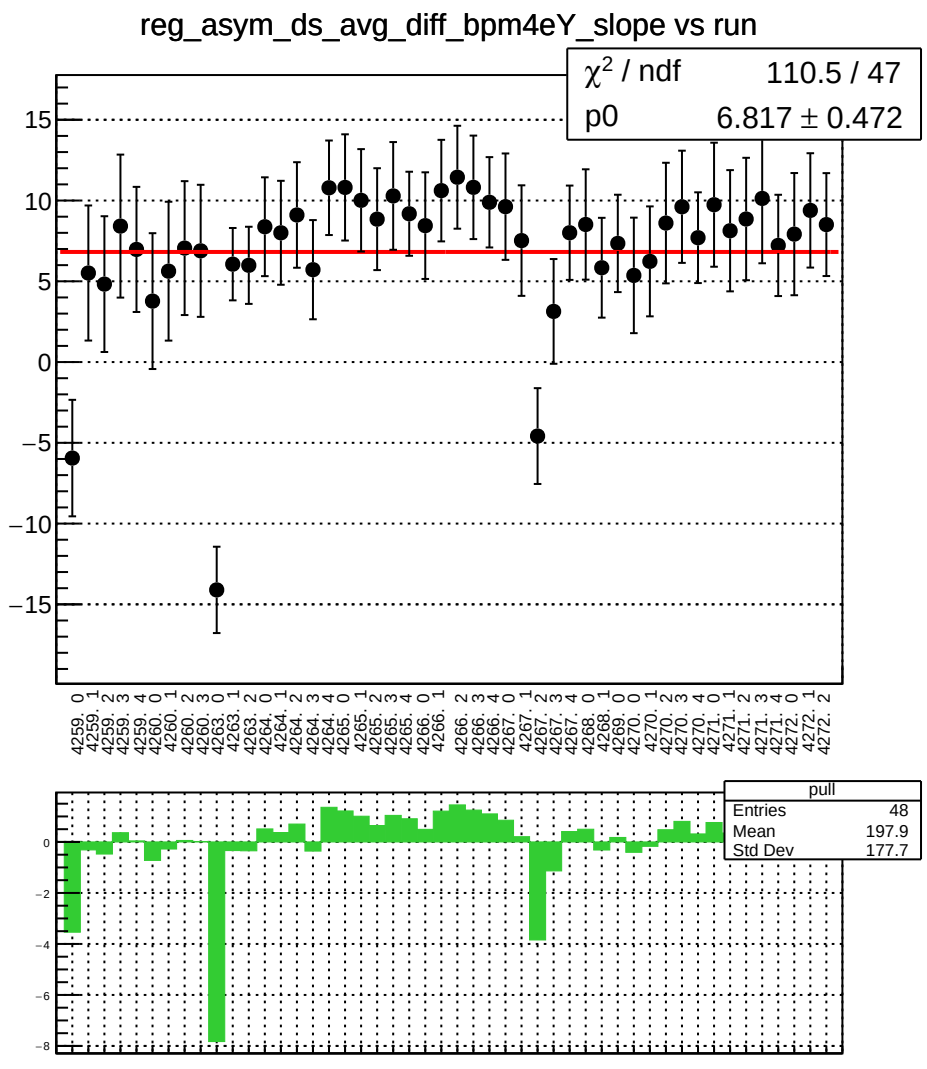

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.78 / 47
p0 −23.67 ± 0.395
pull
Entries 48
Mean −247.7
Std Dev 261.5

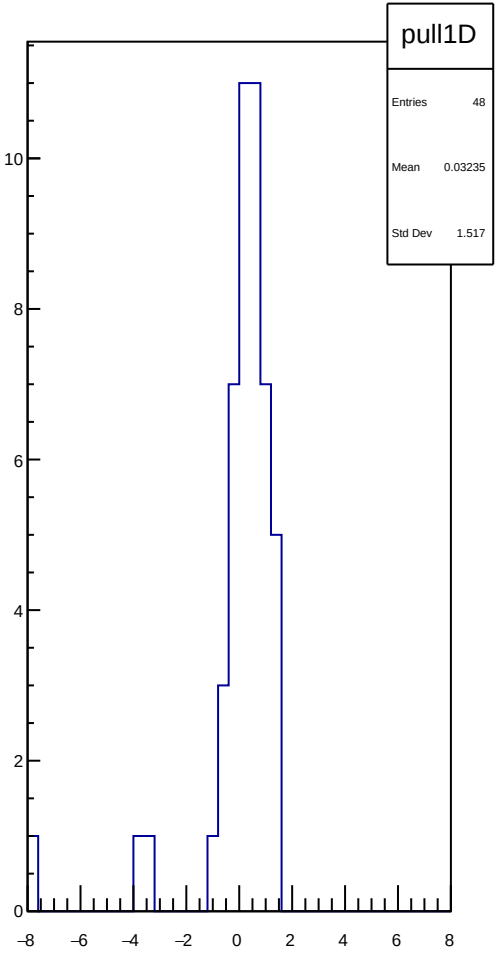

pull1D
Entries 48
Mean 0.01477
Std Dev 0.7037

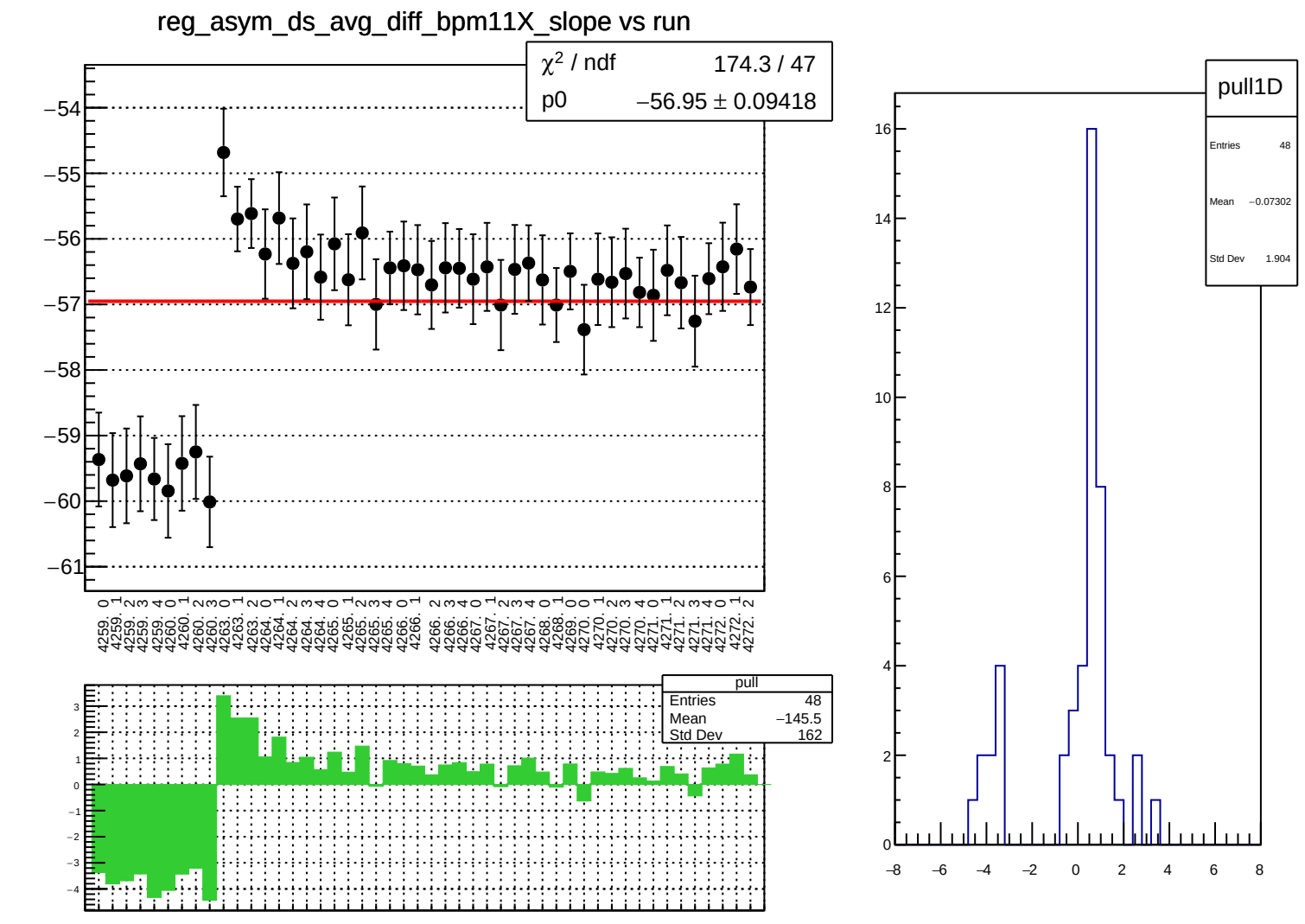

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 98.64 / 47
p0 5.308 ± 0.2778
pull
Entries 48
Mean 1866
Std Dev 1845

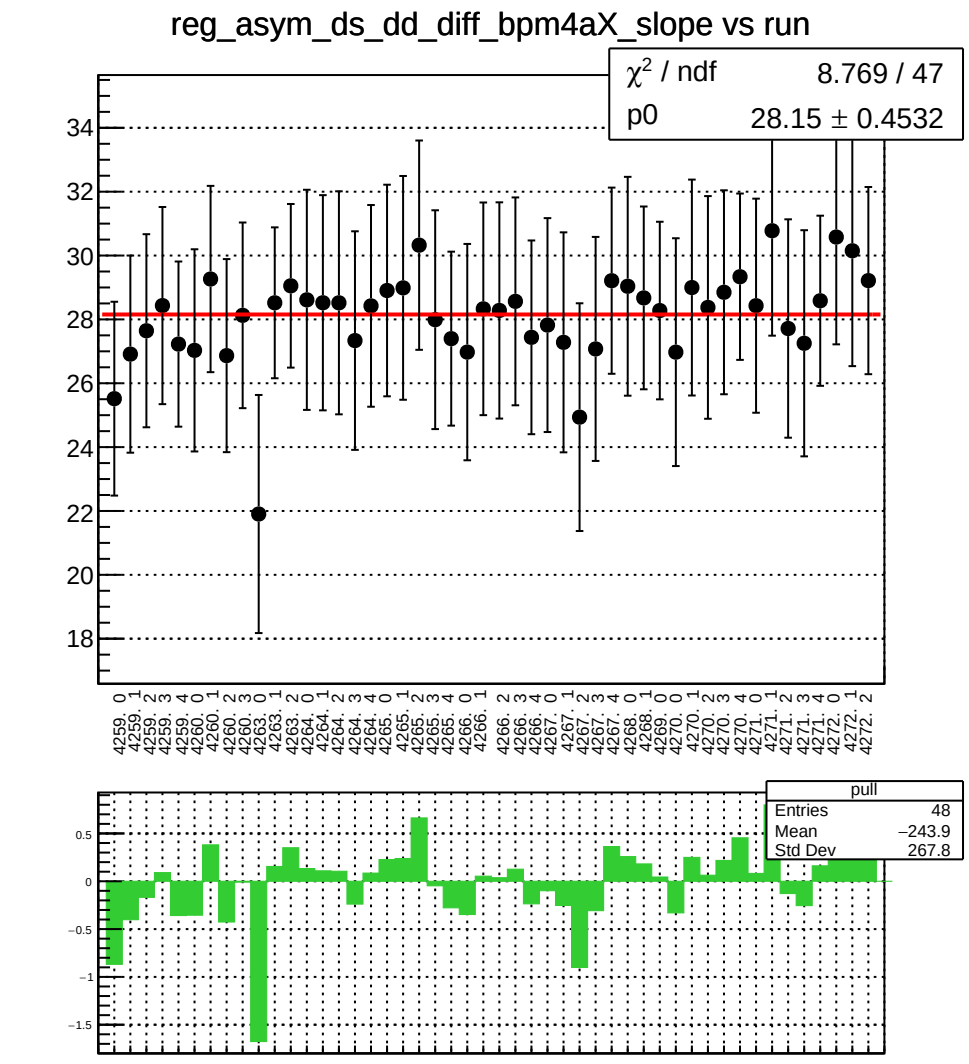

pull1D
Entries 48
Mean −0.003811
Std Dev 1.434

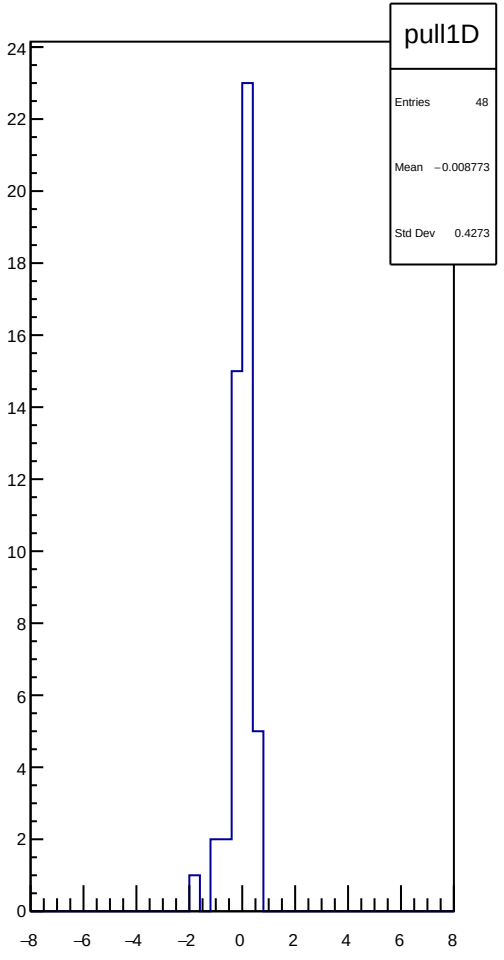

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 341.7 / 47
p0 −25.52 ± 0.07032
pull
Entries 48
Mean −163
Std Dev 179.1
pull1D
Entries 48
Mean −0.1156
Std Dev 2.666

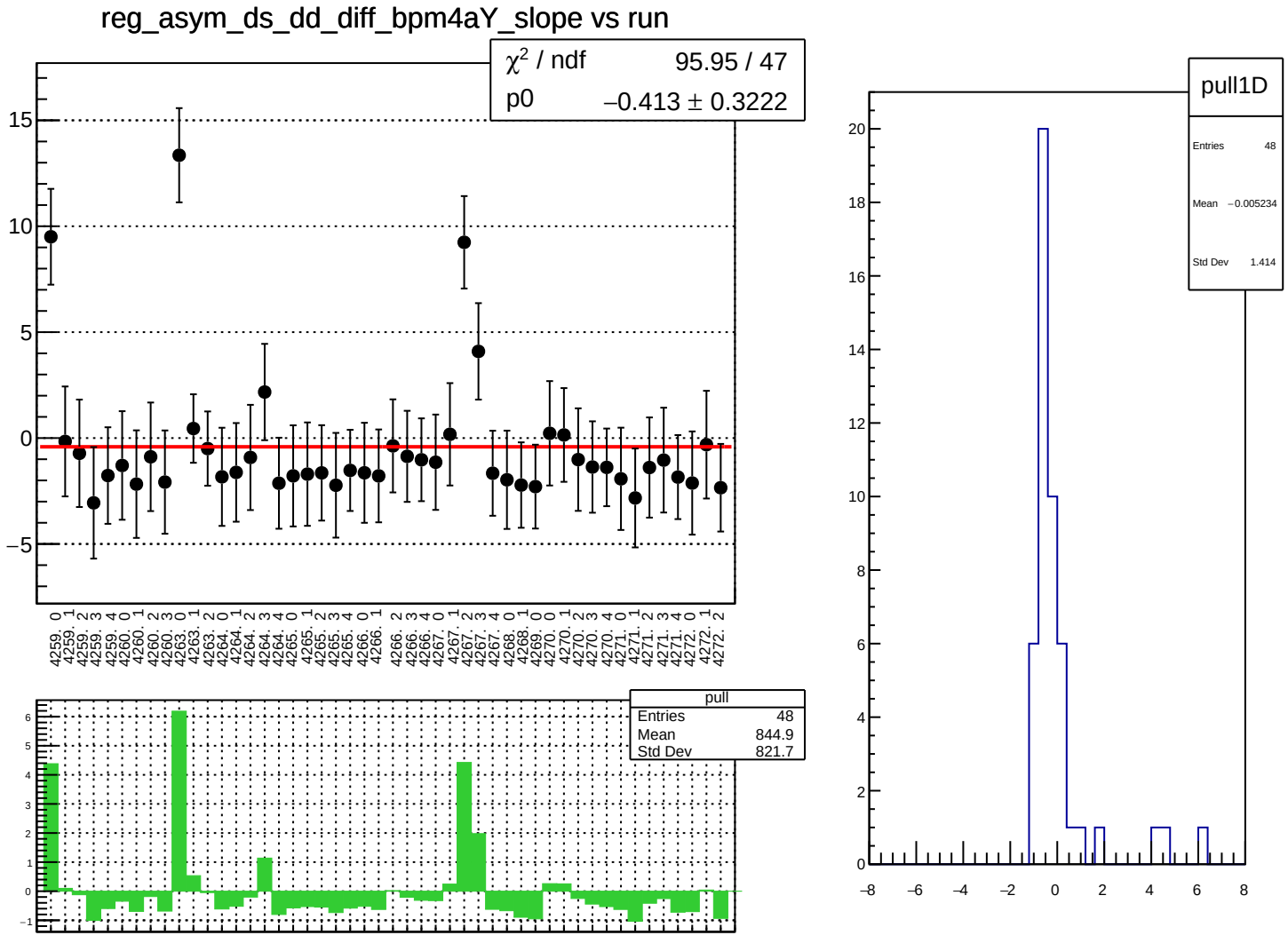

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 110.5 / 47
p0 6.817 ± 0.472
pull
Entries 48
Mean 197.9
Std Dev 177.7

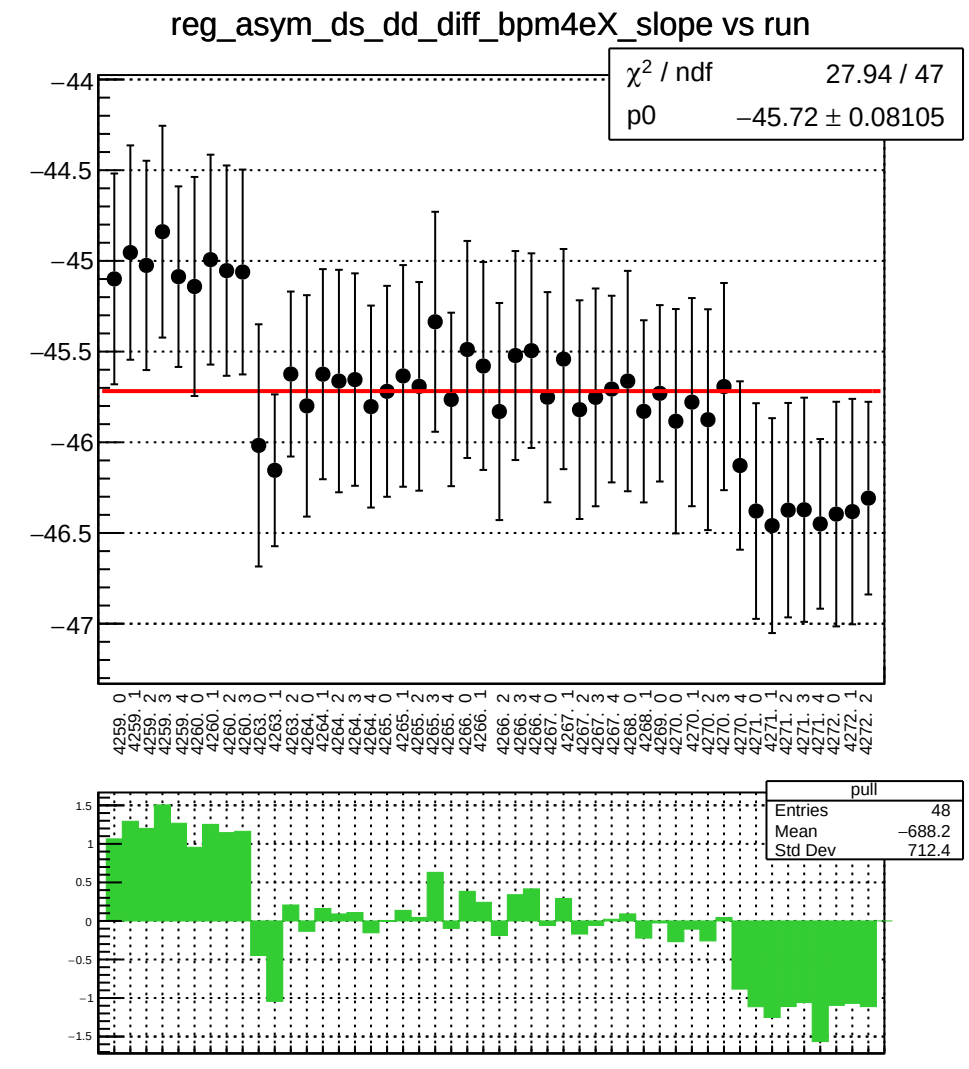

pull1D
Entries 48
Mean 0.03235
Std Dev 1.517

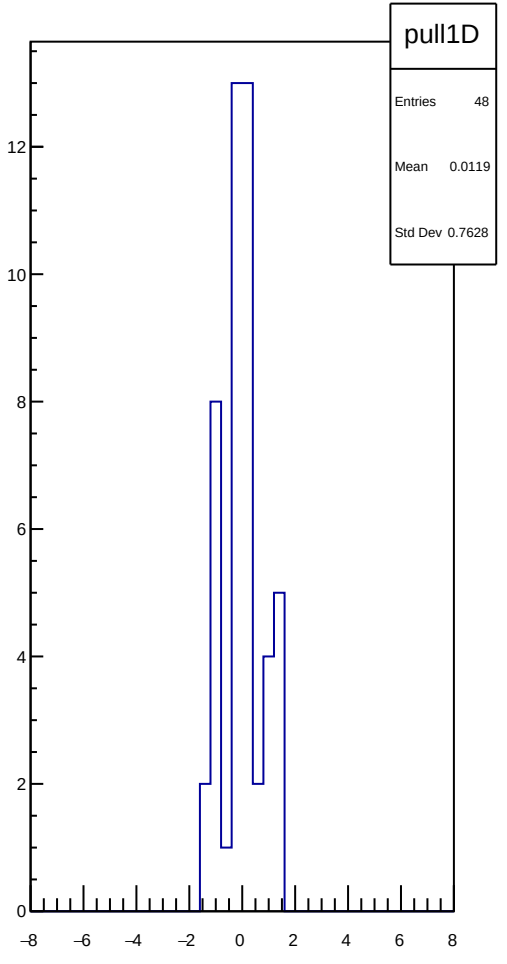

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 174.3 / 47
p0 −56.95 ± 0.09418
pull
Entries 48
Mean −145.5
Std Dev 162
pull1D
Entries 48
Mean −0.07302
Std Dev 1.904

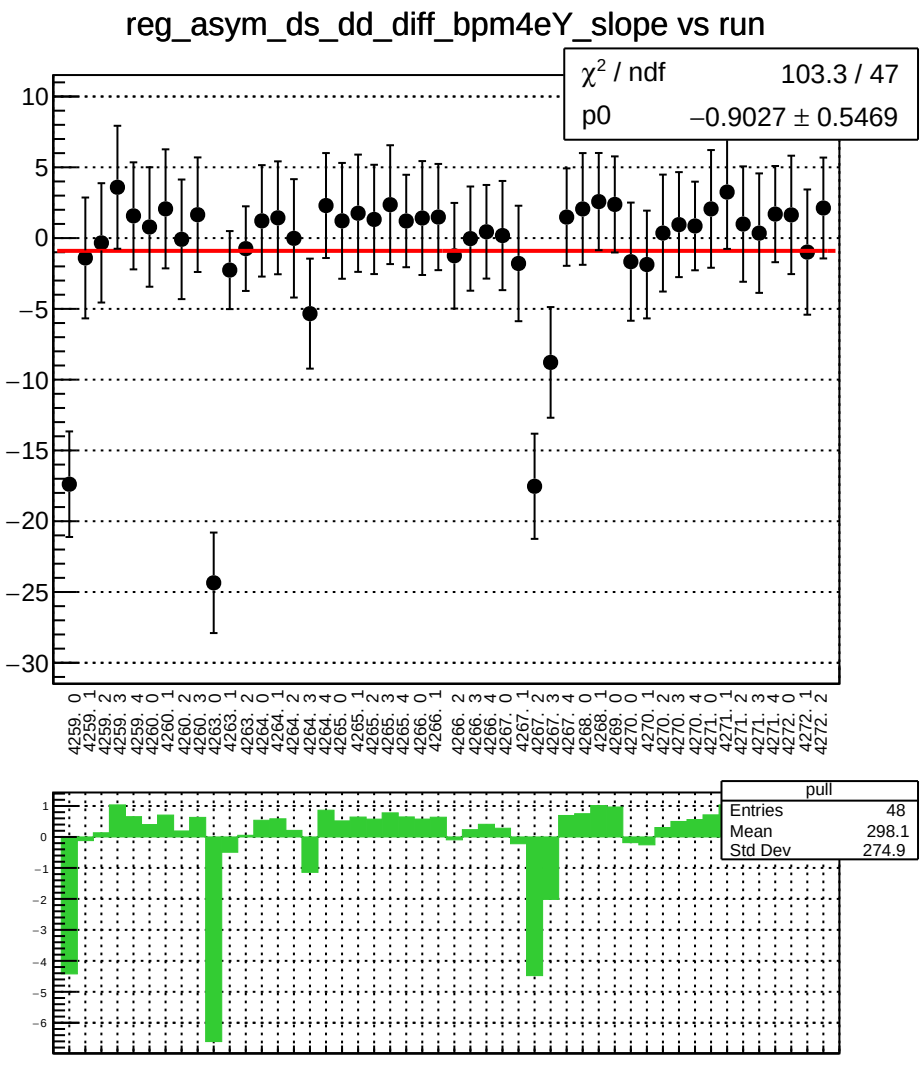

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.769 / 47
p0 28.15 ± 0.4532
pull
Entries 48
Mean −243.9
Std Dev 267.8

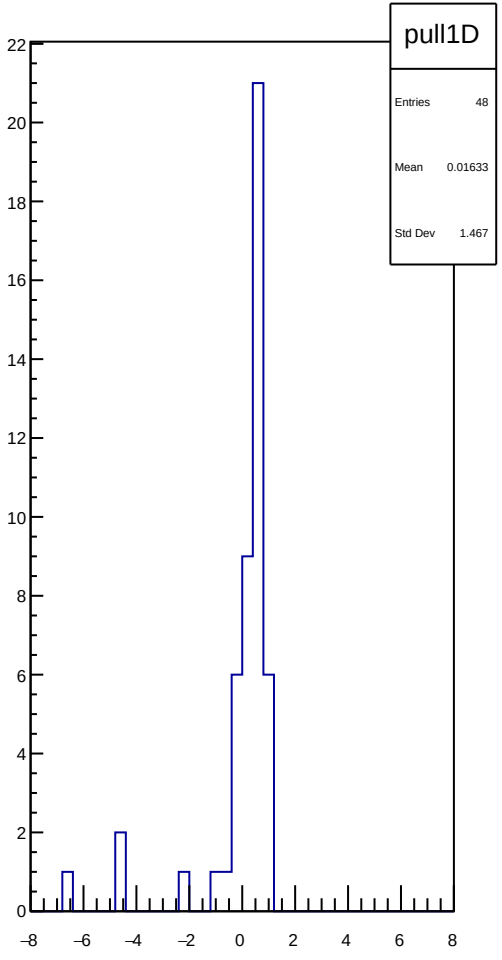

pull1D
Entries 48
Mean −0.008773
Std Dev 0.4273

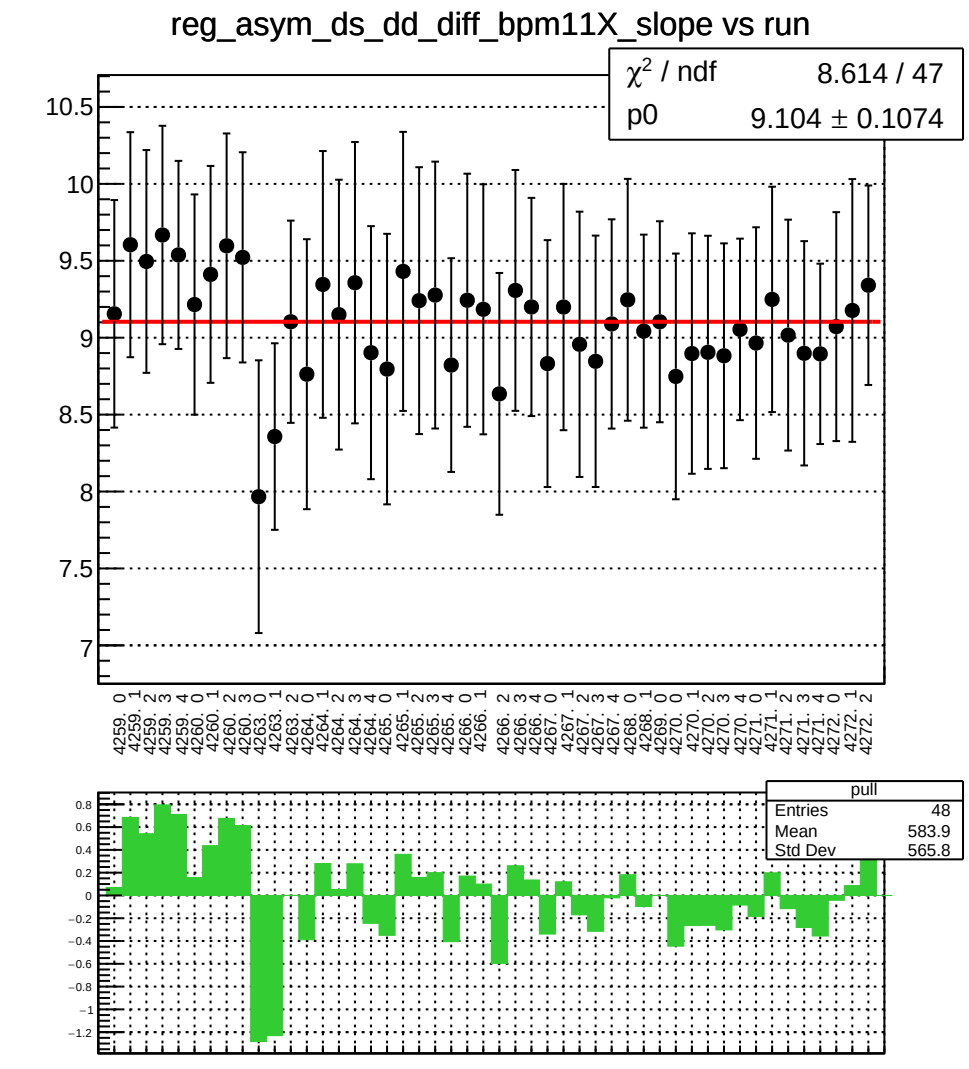

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.95 / 47
p0 −0.413 ± 0.3222
pull
Entries 48
Mean 844.9
Std Dev 821.7
pull1D
Entries 48
Mean −0.005234
Std Dev 1.414

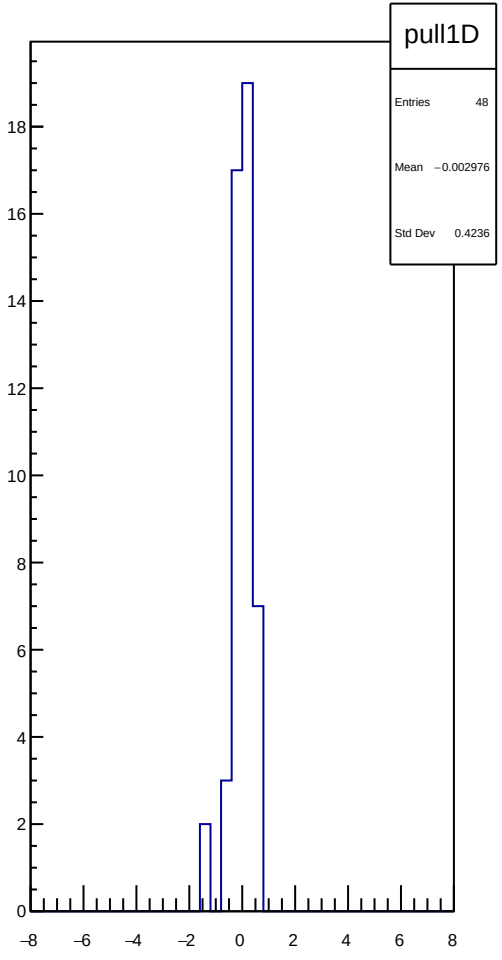

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.94 / 47
p0 −45.72 ± 0.08105
−44
−44.5
−45
−45.5
−46
−46.5
−47
pull
Entries 48
Mean −688.2
Std Dev 712.4
1.5
1
0.5
0
−0.5
−1
−1.5

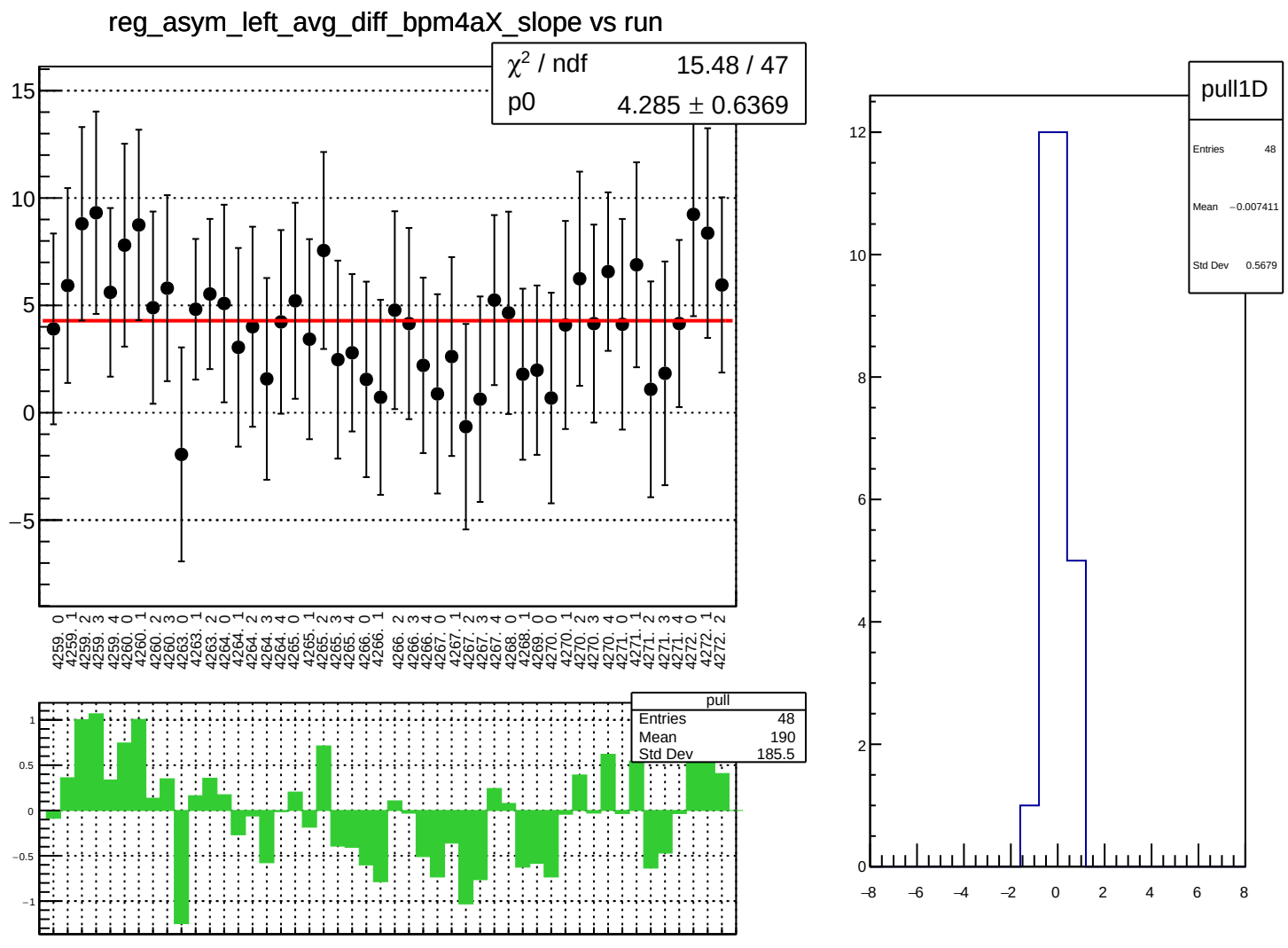

pull1D
Entries 48
Mean 0.0119
Std Dev 0.7628
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

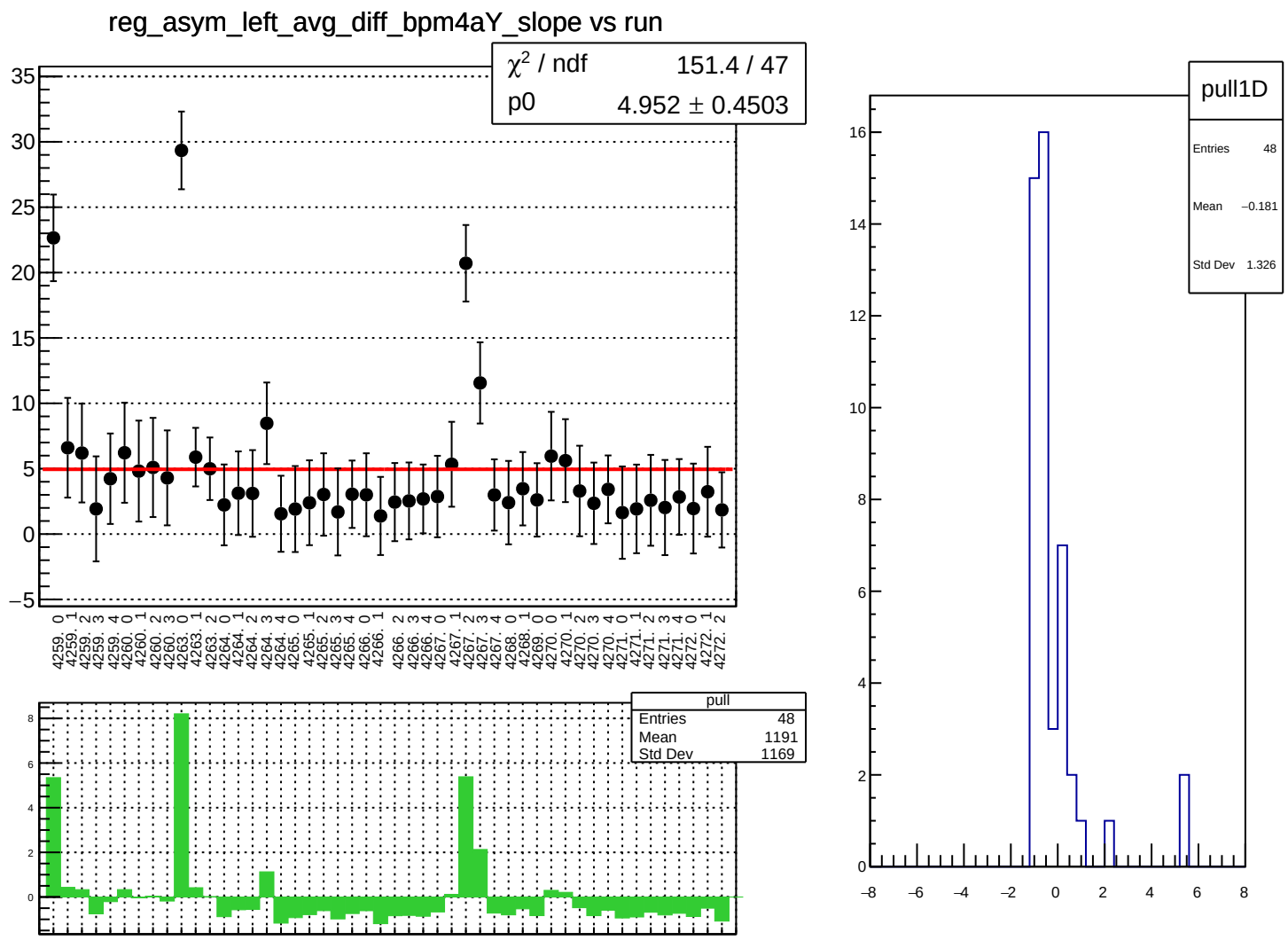

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.3 / 47
p0 −0.9027 ± 0.5469
pull
Entries 48
Mean 298.1
Std Dev 274.9

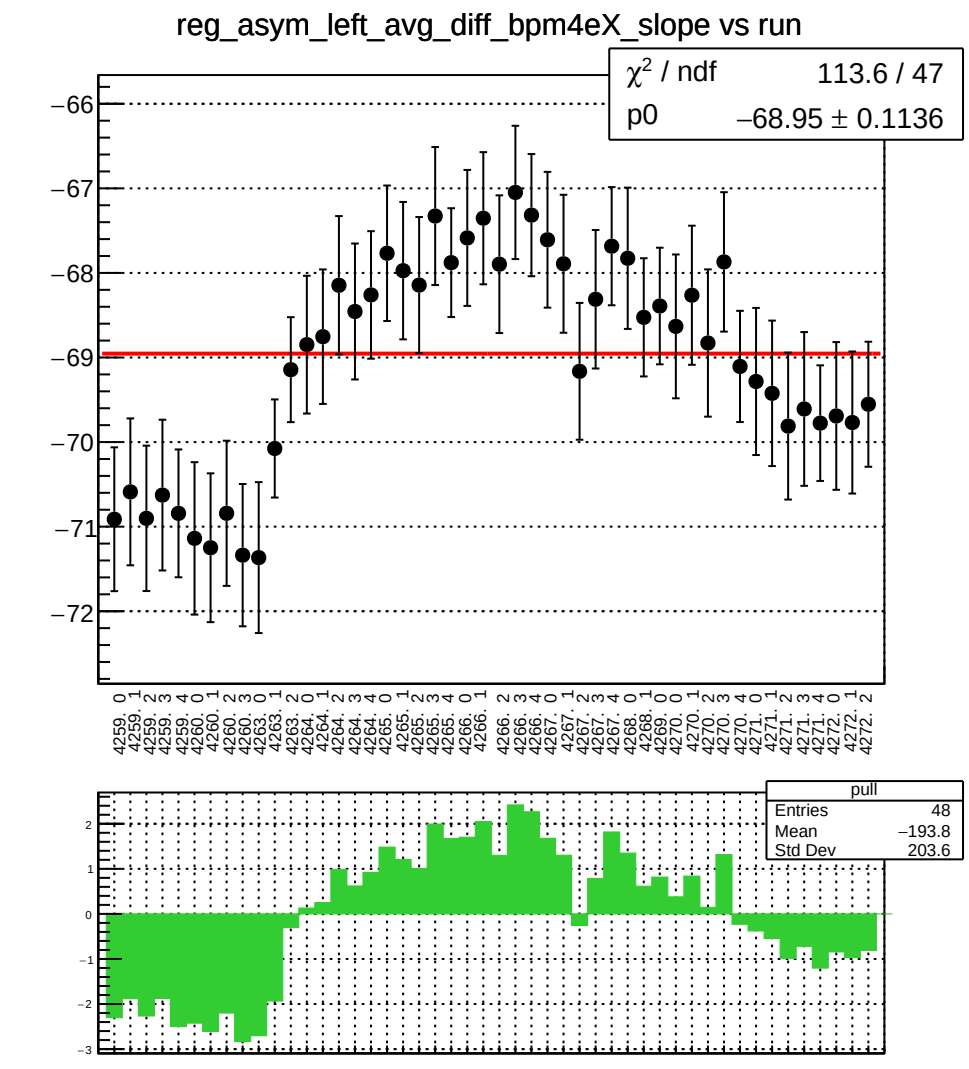

pull1D
Entries 48
Mean 0.01633
Std Dev 1.467

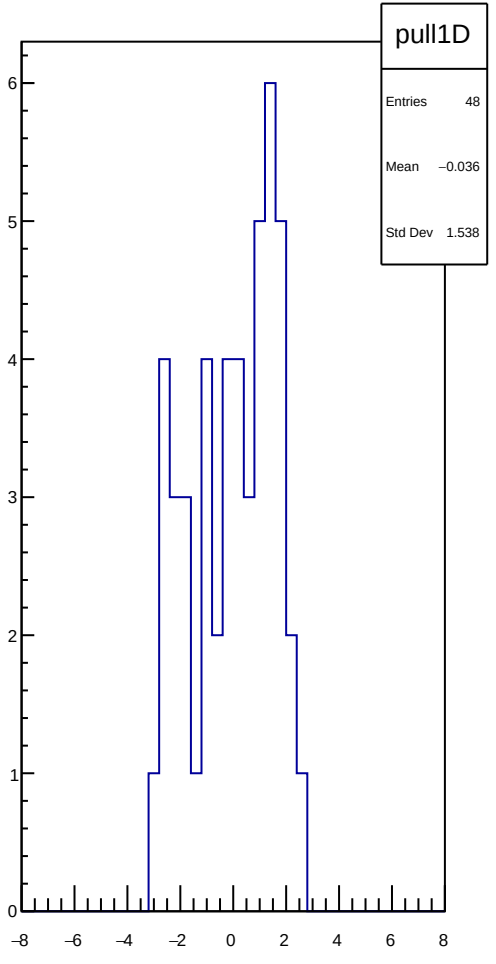

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 8.614 / 47
p0 9.104 ± 0.1074
pull
Entries 48
Mean 583.9
Std Dev 565.8

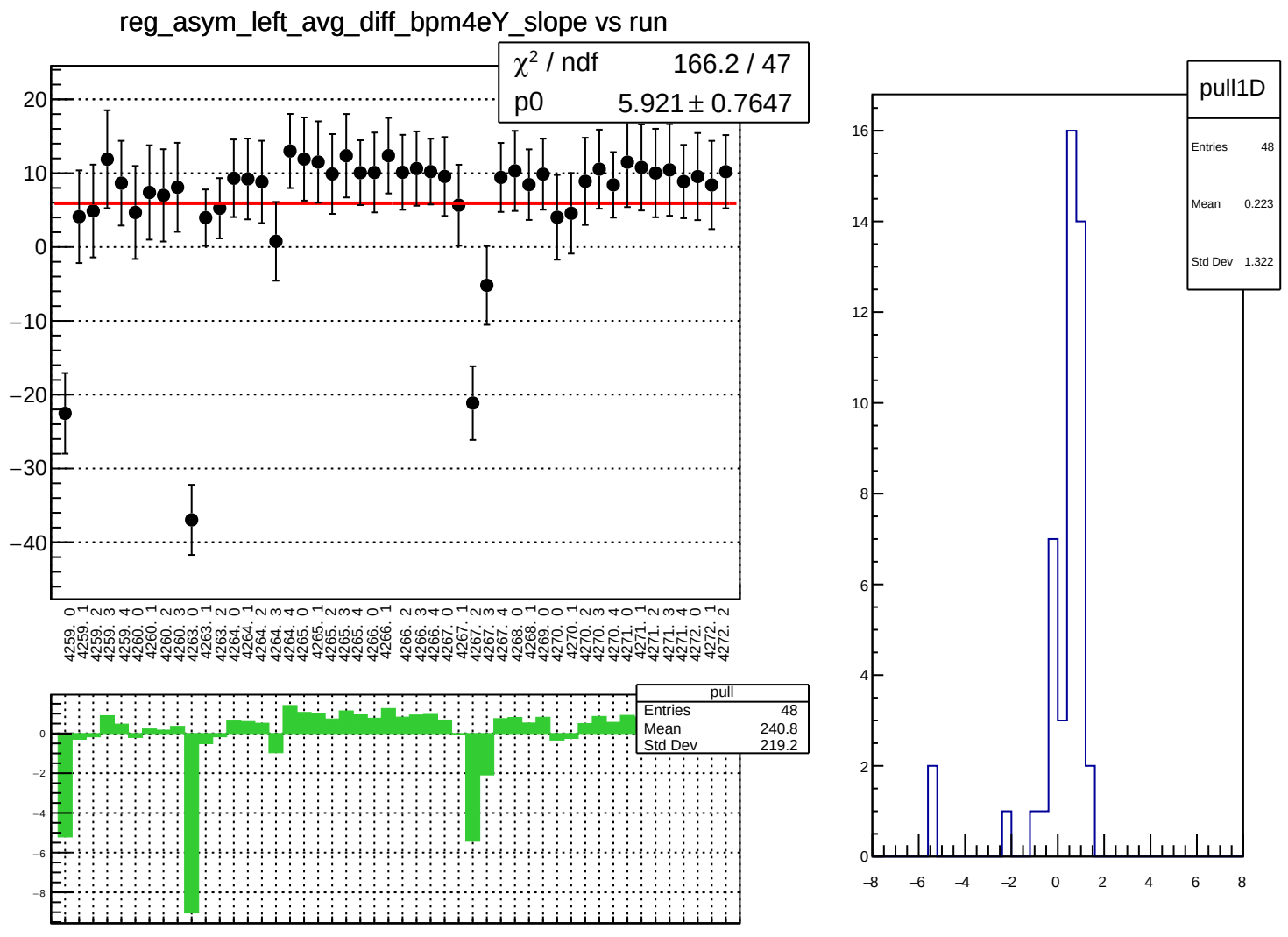

pull1D
Entries 48
Mean −0.002976
Std Dev 0.4236

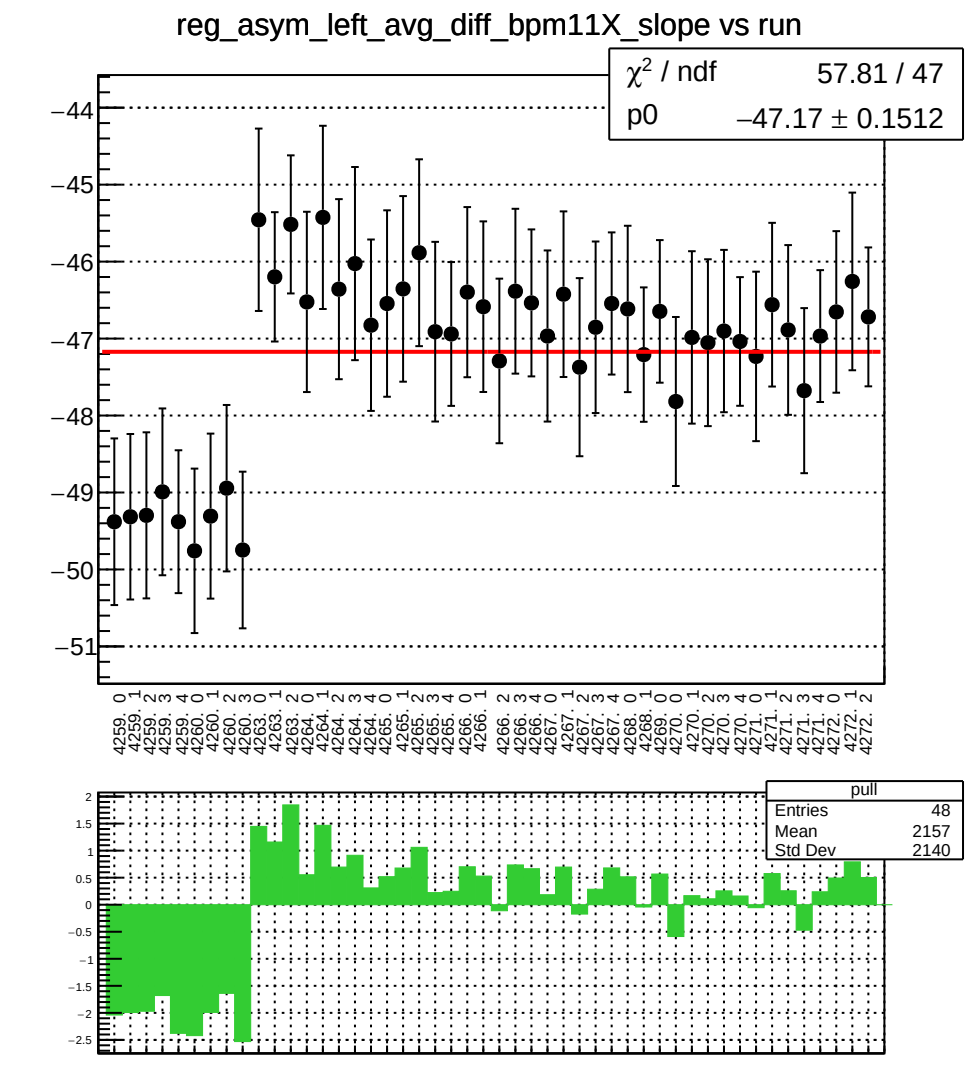

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.48 / 47
p0 4.285 ± 0.6369
15
10
5
0
−5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 190
Std Dev 185.5
1
0.5
0
−0.5
−1
pull1D
Entries 48
Mean −0.007411
Std Dev 0.5679
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

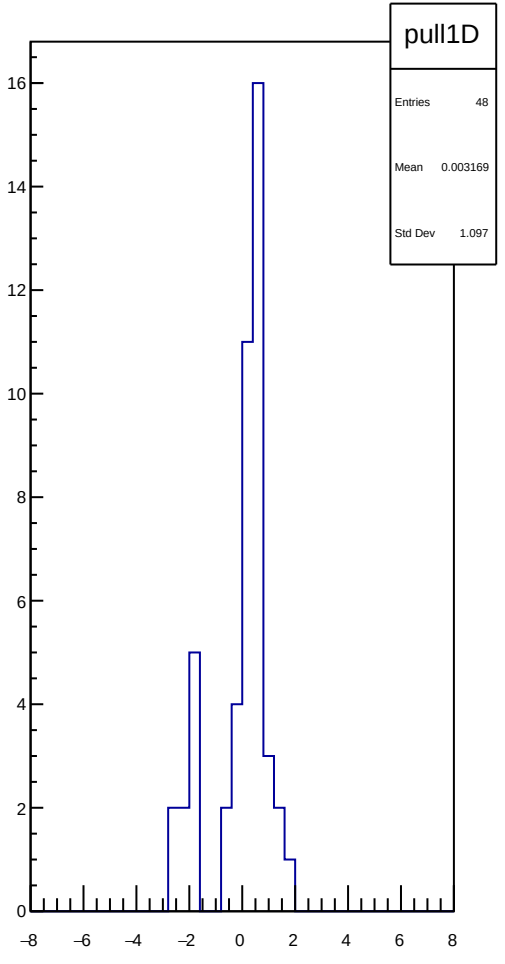

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 151.4 / 47
p0 4.952 ± 0.4503
pull
Entries 48
Mean 1191
Std Dev 1169
pull1D
Entries 48
Mean −0.181
Std Dev 1.326

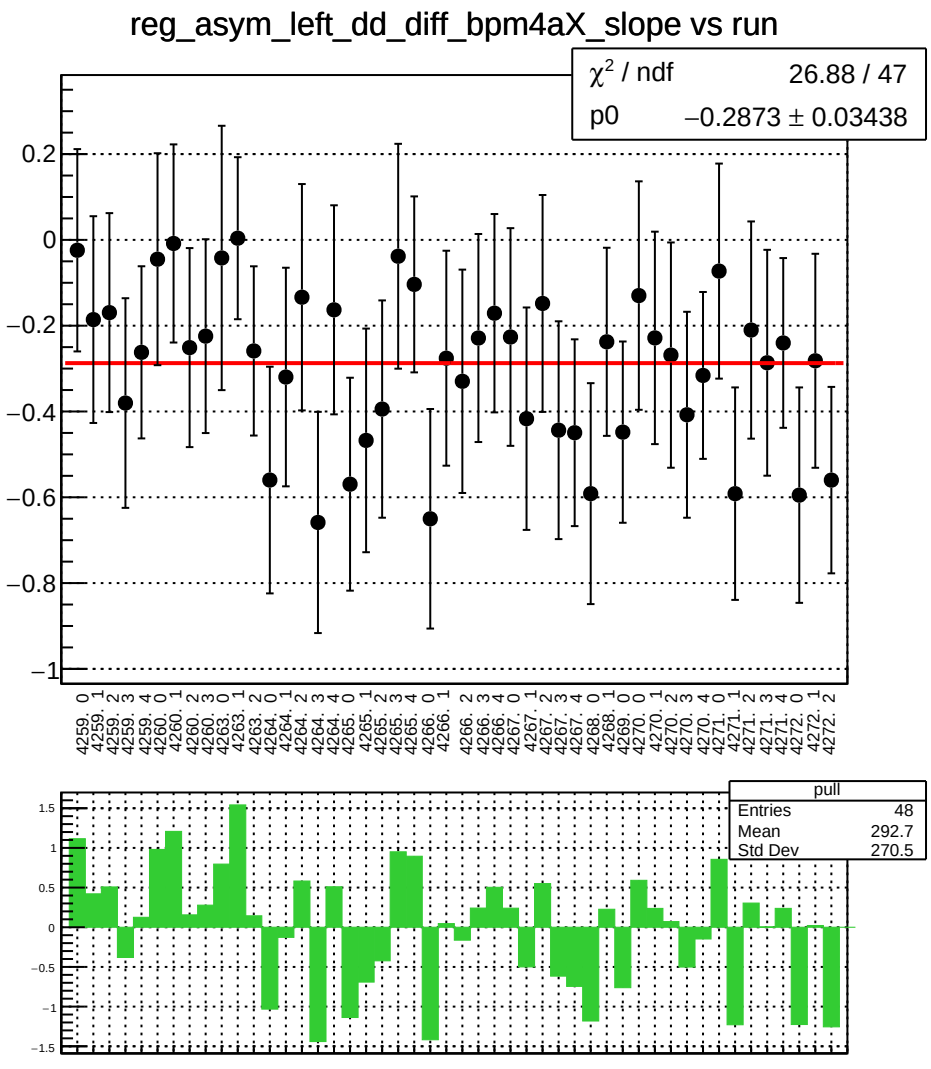

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 113.6 / 47
p0 −68.95 ± 0.1136
pull
Entries 48
Mean −193.8
Std Dev 203.6

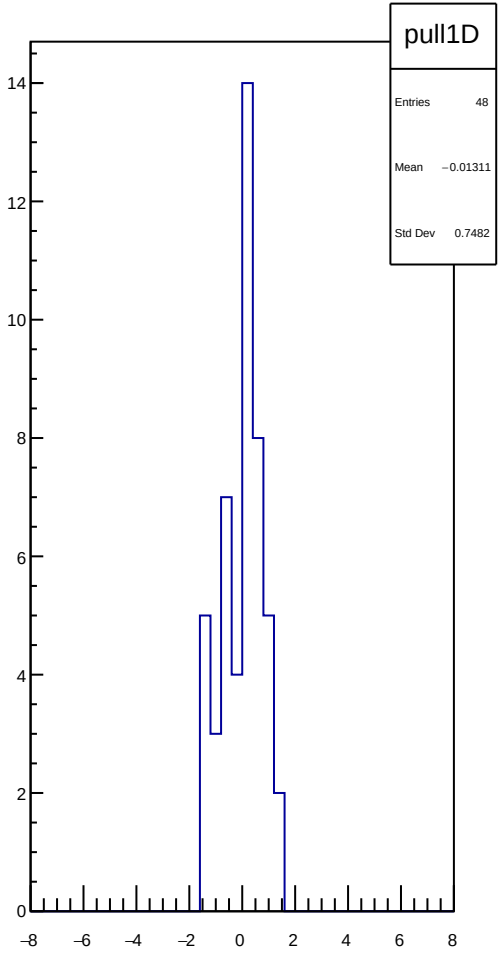

pull1D
Entries 48
Mean −0.036
Std Dev 1.538

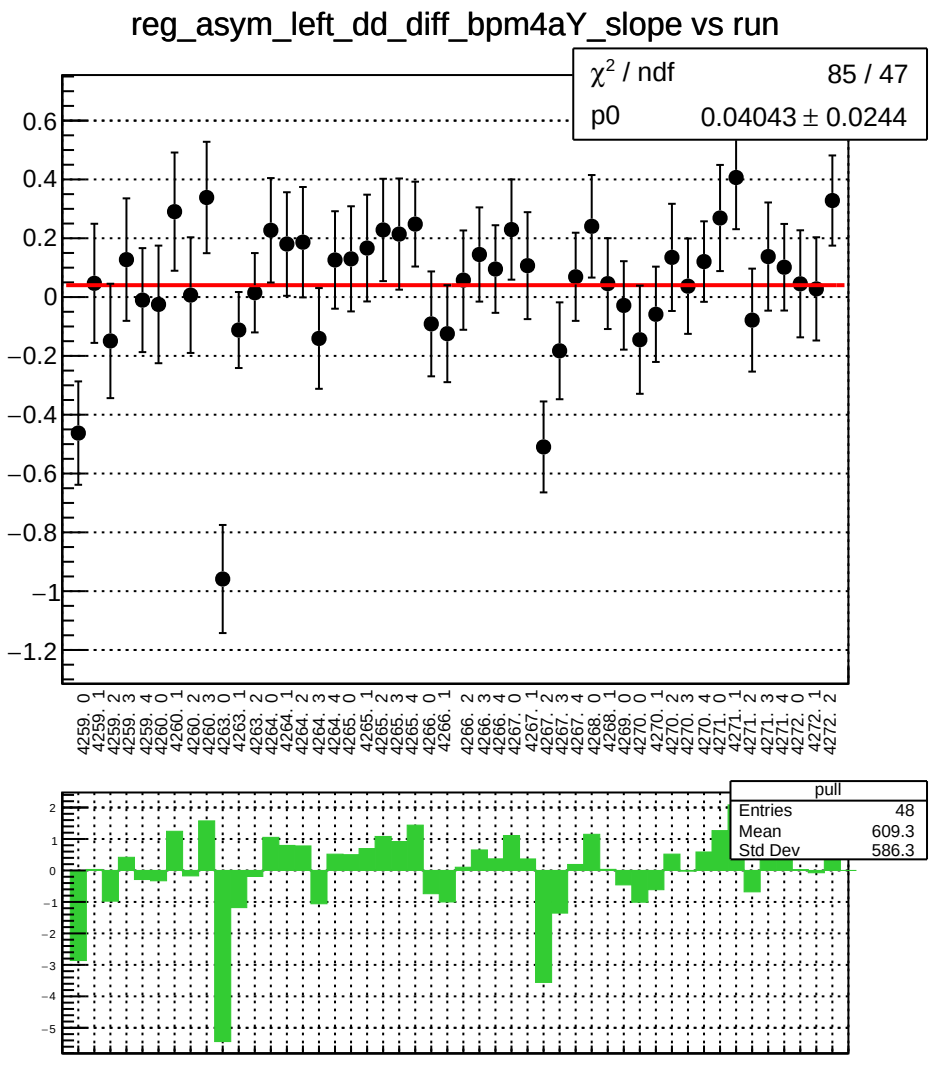

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 166.2 / 47
p0 5.921 ± 0.7647
pull
Entries 48
Mean 240.8
Std Dev 219.2
pull1D
Entries 48
Mean 0.223
Std Dev 1.322

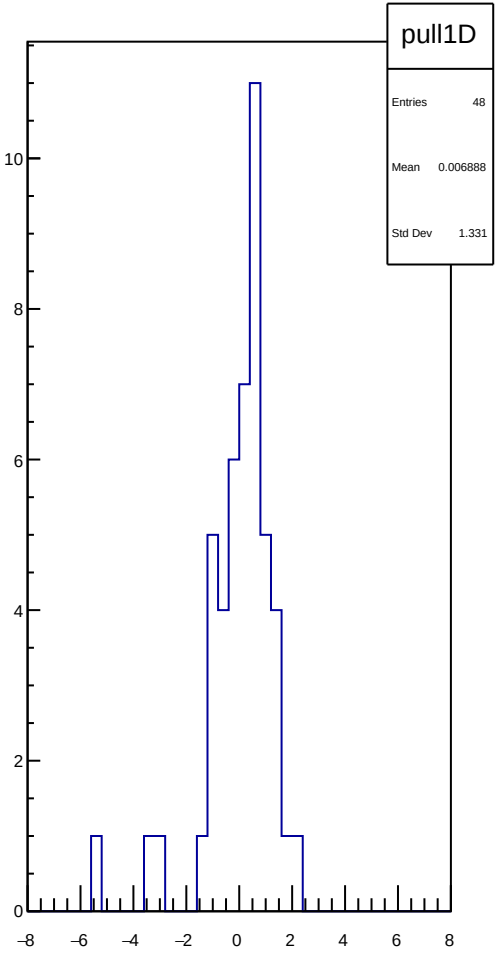

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 57.81 / 47
p0 −47.17 ± 0.1512
pull
Entries 48
Mean 2157
Std Dev 2140

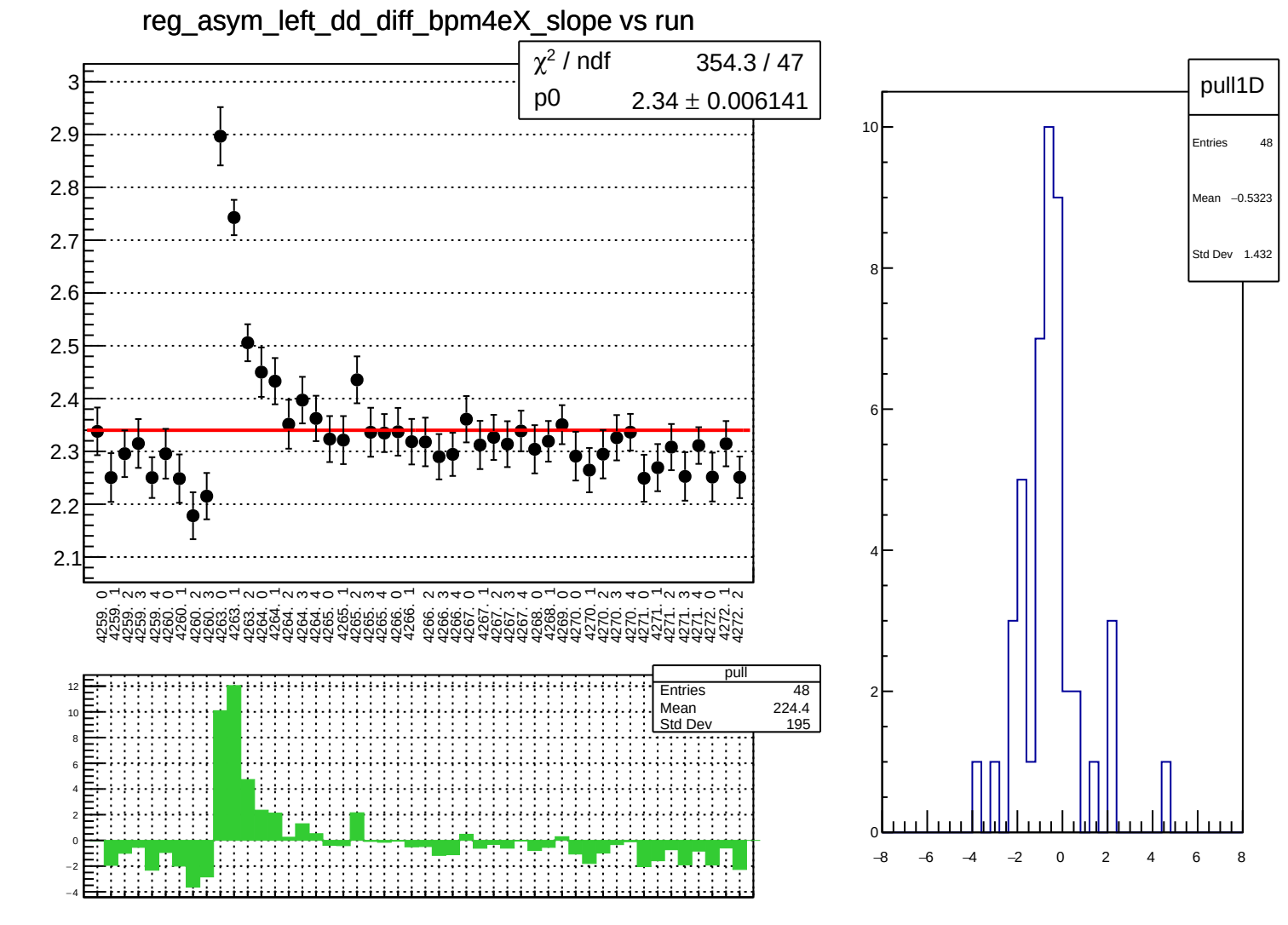

pull1D
Entries 48
Mean 0.003169
Std Dev 1.097

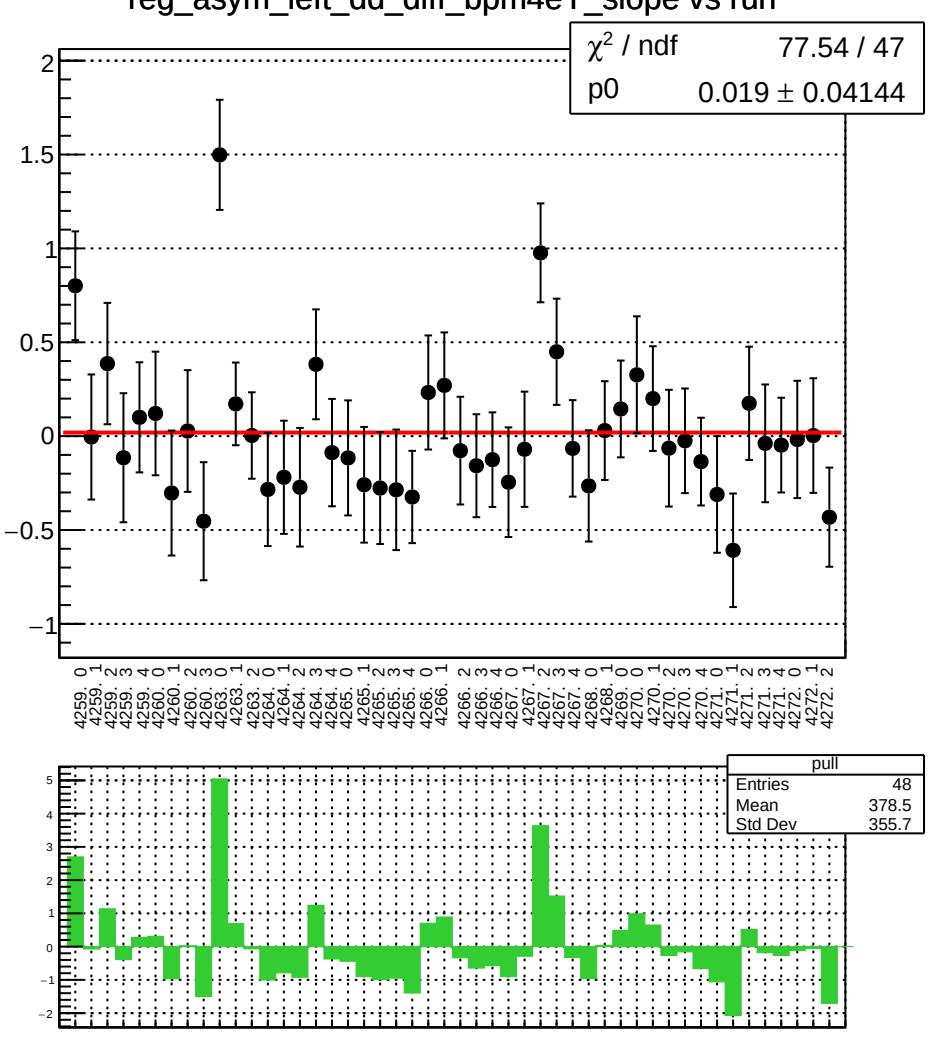

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.88 / 47
p0 −0.2873 ± 0.03438
pull
Entries 48
Mean 292.7
Std Dev 270.5

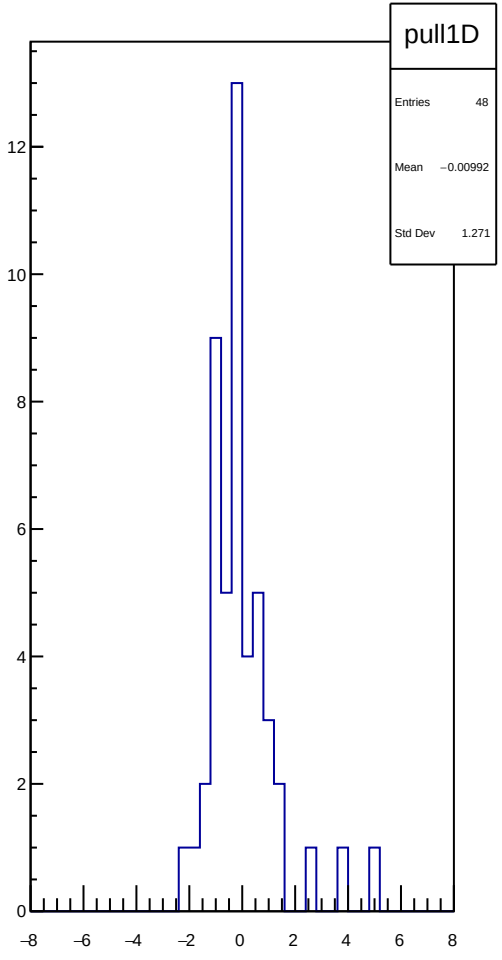

pull1D
Entries 48
Mean −0.01311
Std Dev 0.7482

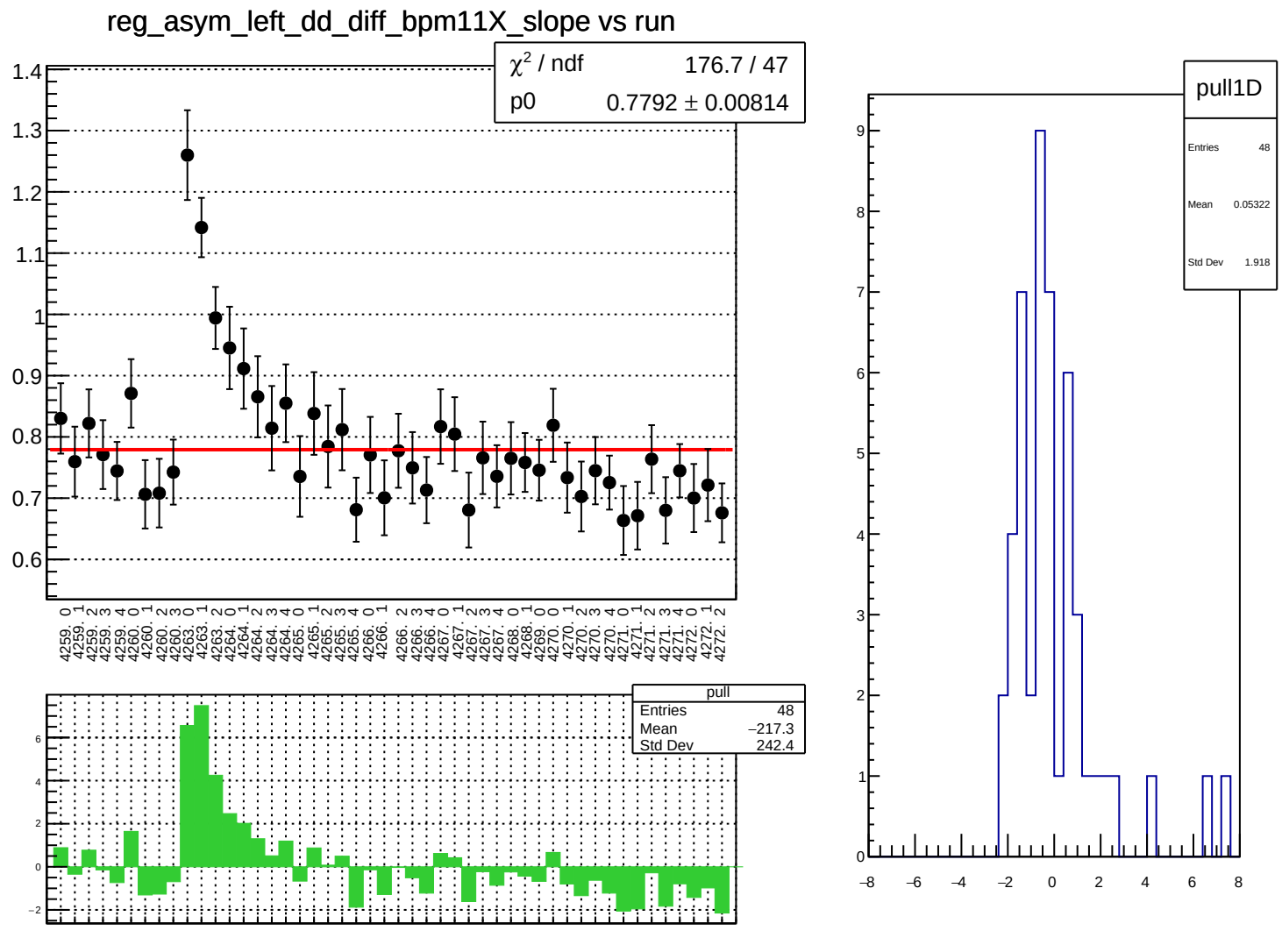

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 85 / 47
p0 0.04043 ± 0.0244
pull
Entries 48
Mean 609.3
Std Dev 586.3

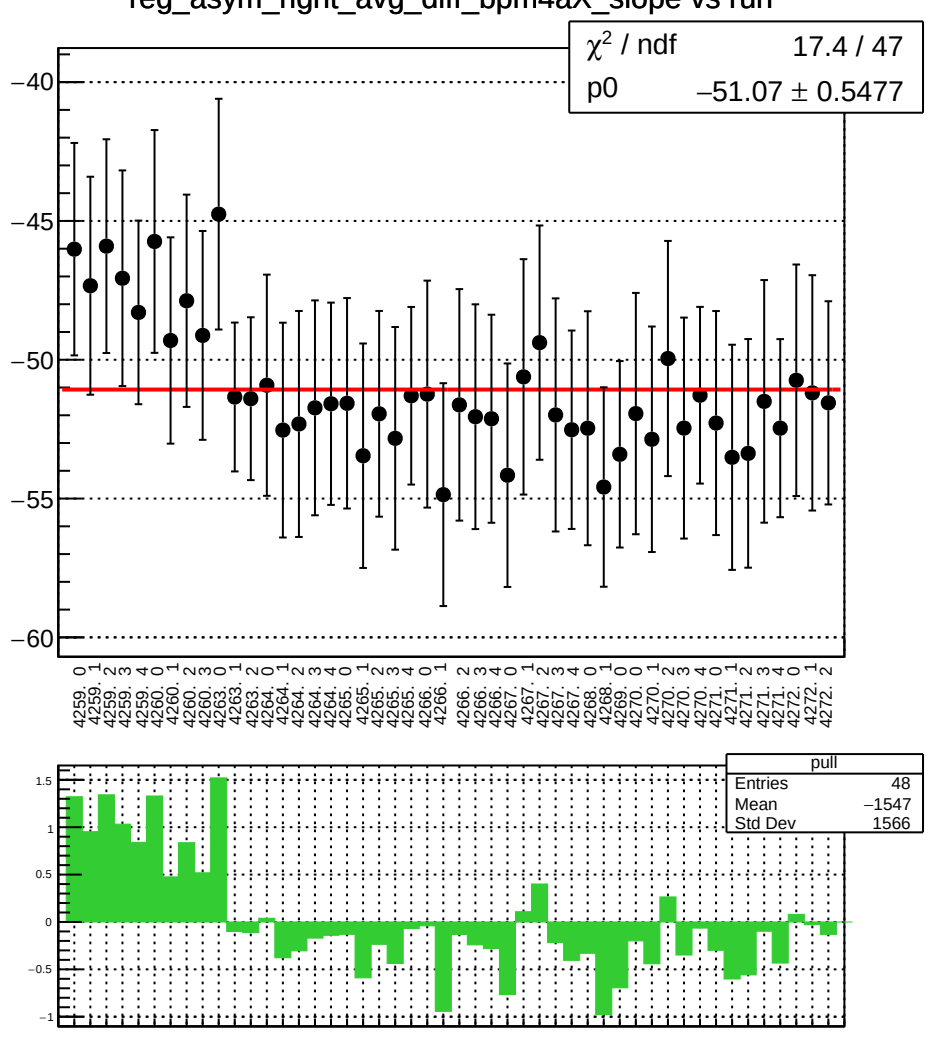

pull1D
Entries 48
Mean 0.006888
Std Dev 1.331

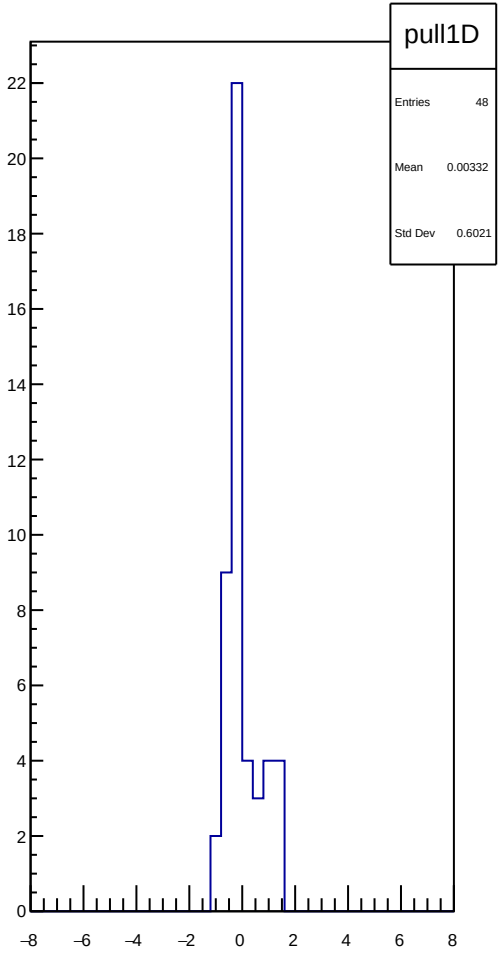

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 354.3 / 47
p0 2.34 ± 0.006141
pull
Entries 48
Mean 224.4
Std Dev 195
pull1D
Entries 48
Mean −0.5323
Std Dev 1.432

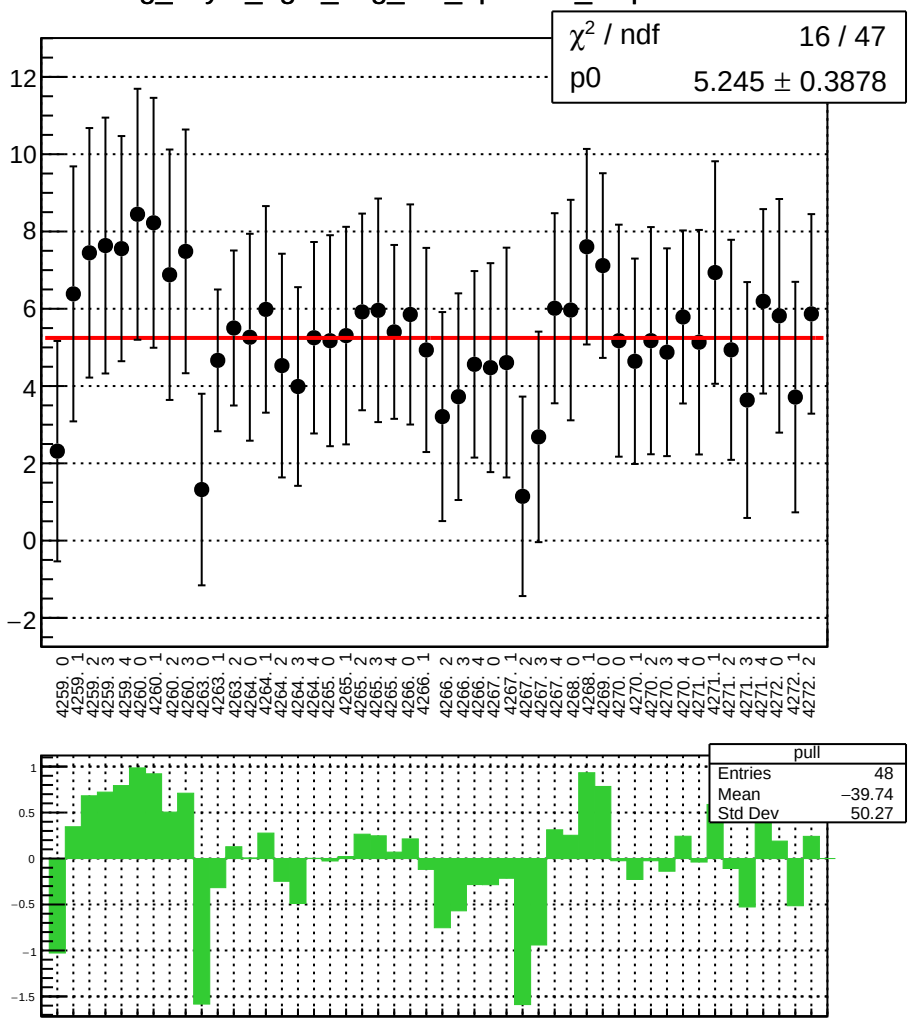

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.54 / 47
p0 0.019 ± 0.04144
pull
Entries 48
Mean 378.5
Std Dev 355.7

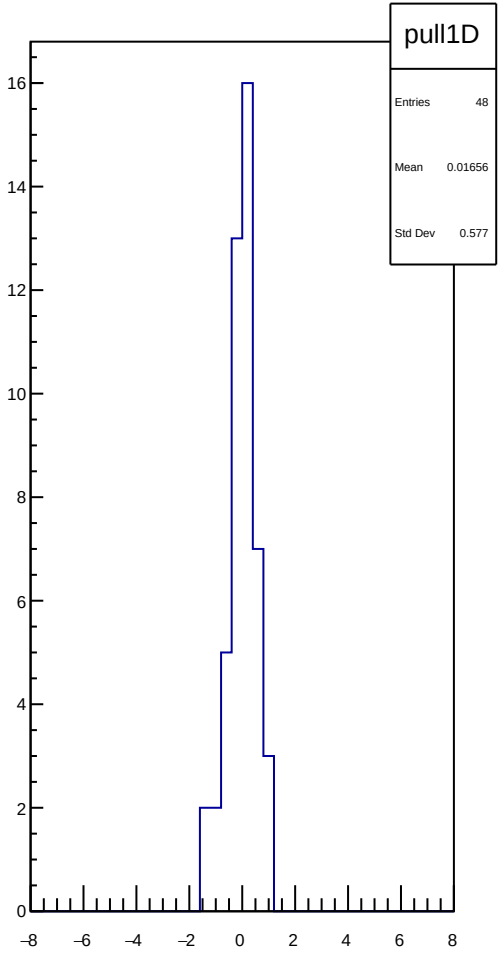

pull1D
Entries 48
Mean −0.00992
Std Dev 1.271

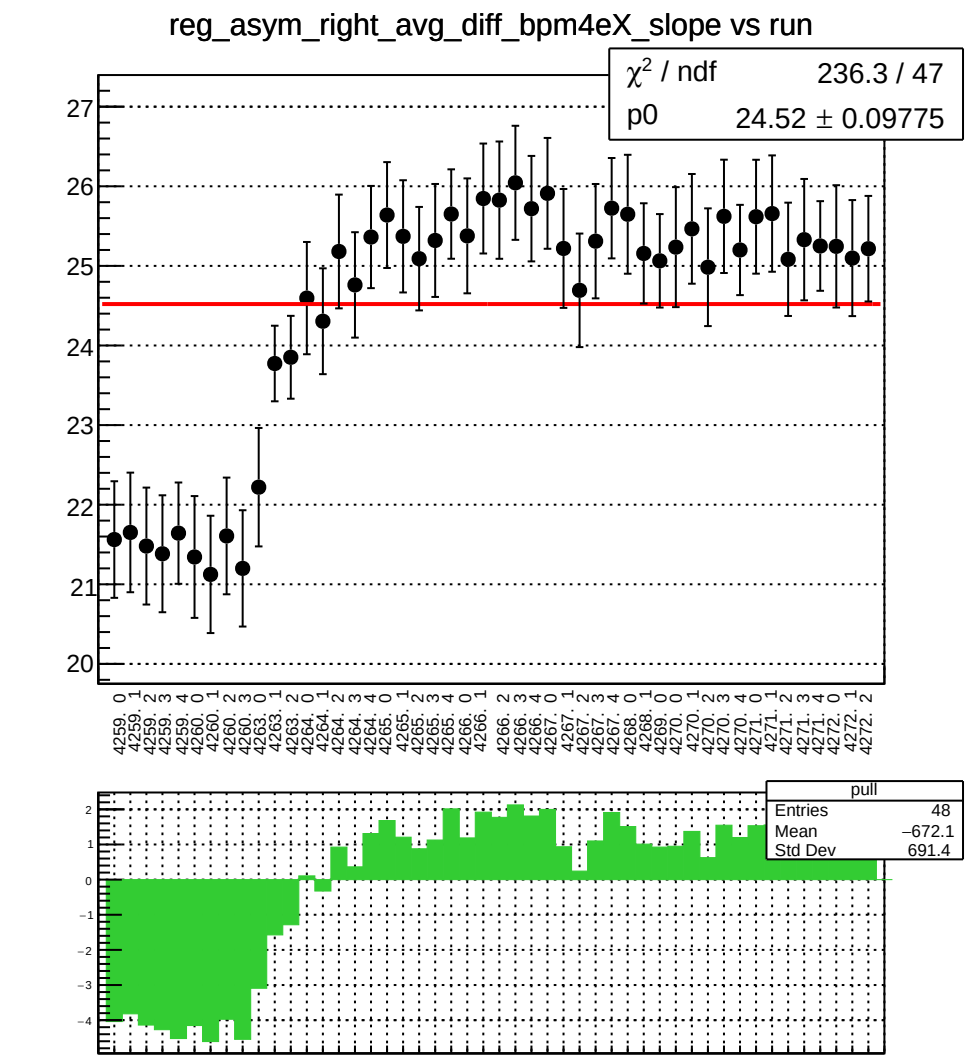

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 176.7 / 47
p0 0.7792 ± 0.00814
pull
Entries 48
Mean −217.3
Std Dev 242.4
pull1D
Entries 48
Mean 0.05322
Std Dev 1.918

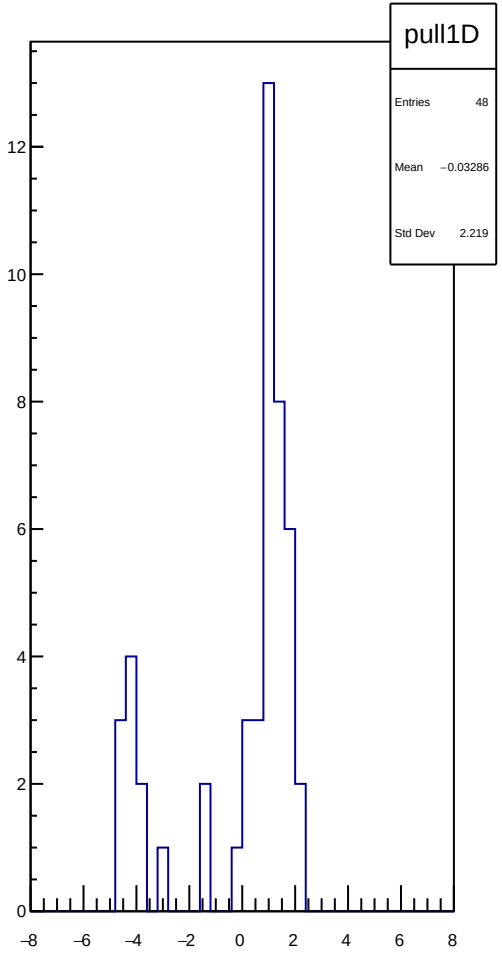

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.4 / 47
p0 −51.07 ± 0.5477
pull
Entries 48
Mean −1547
Std Dev 1566

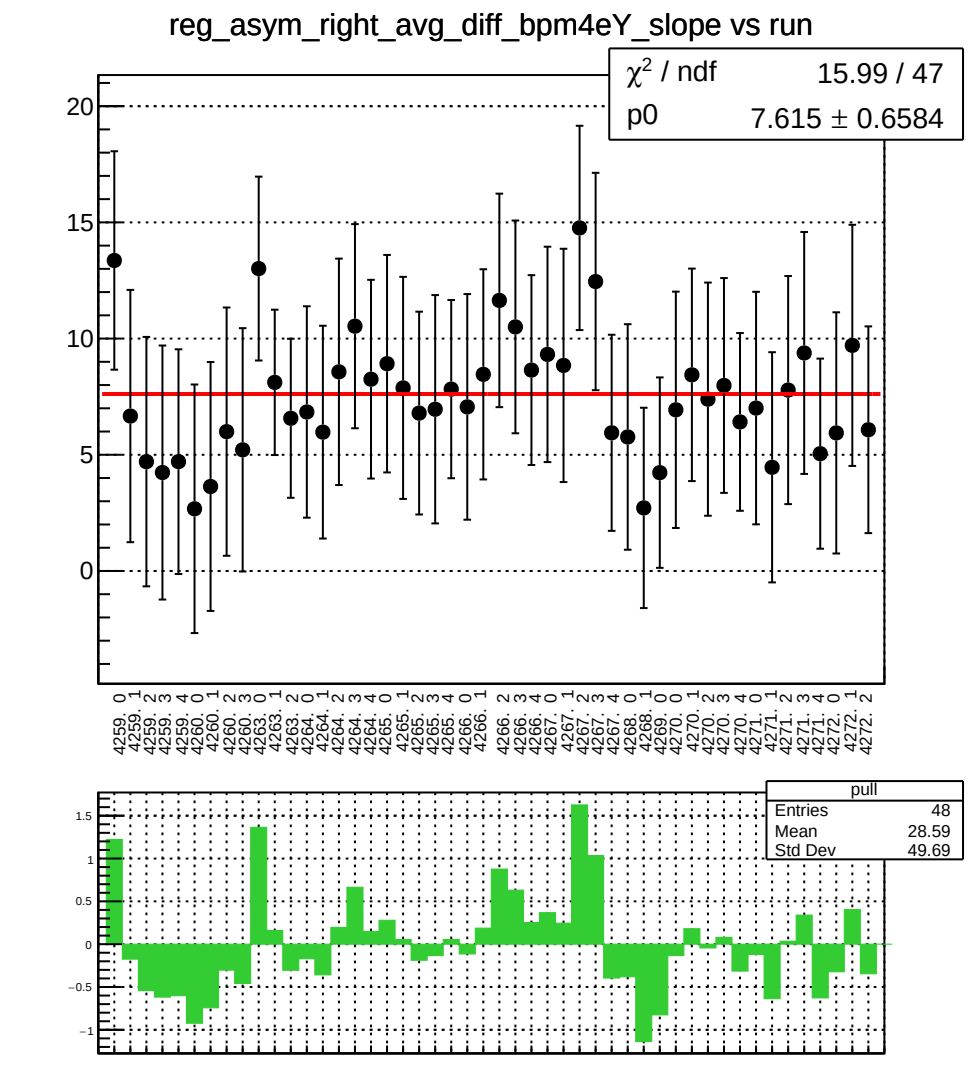

pull1D
Entries 48
Mean 0.00332
Std Dev 0.6021

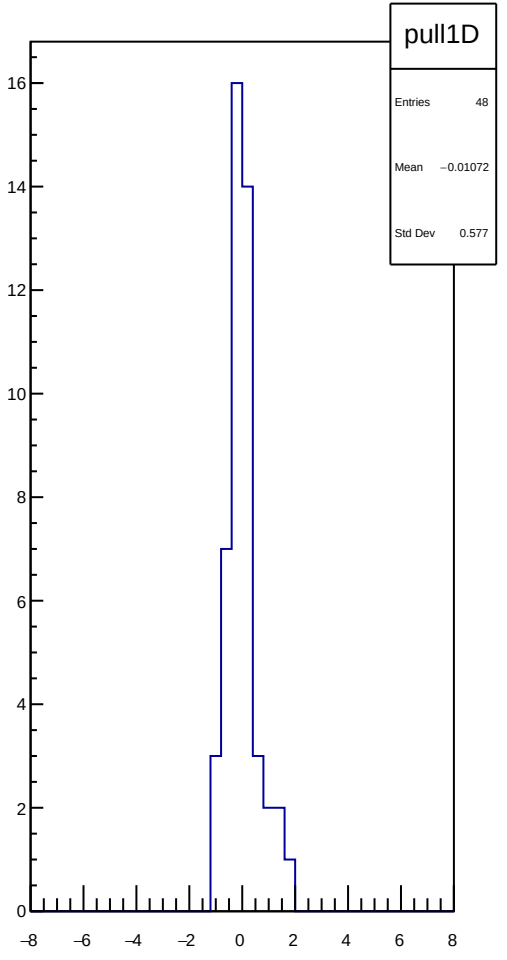

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 16 / 47
p0 5.245 ± 0.3878
pull
Entries 48
Mean −39.74
Std Dev 50.27

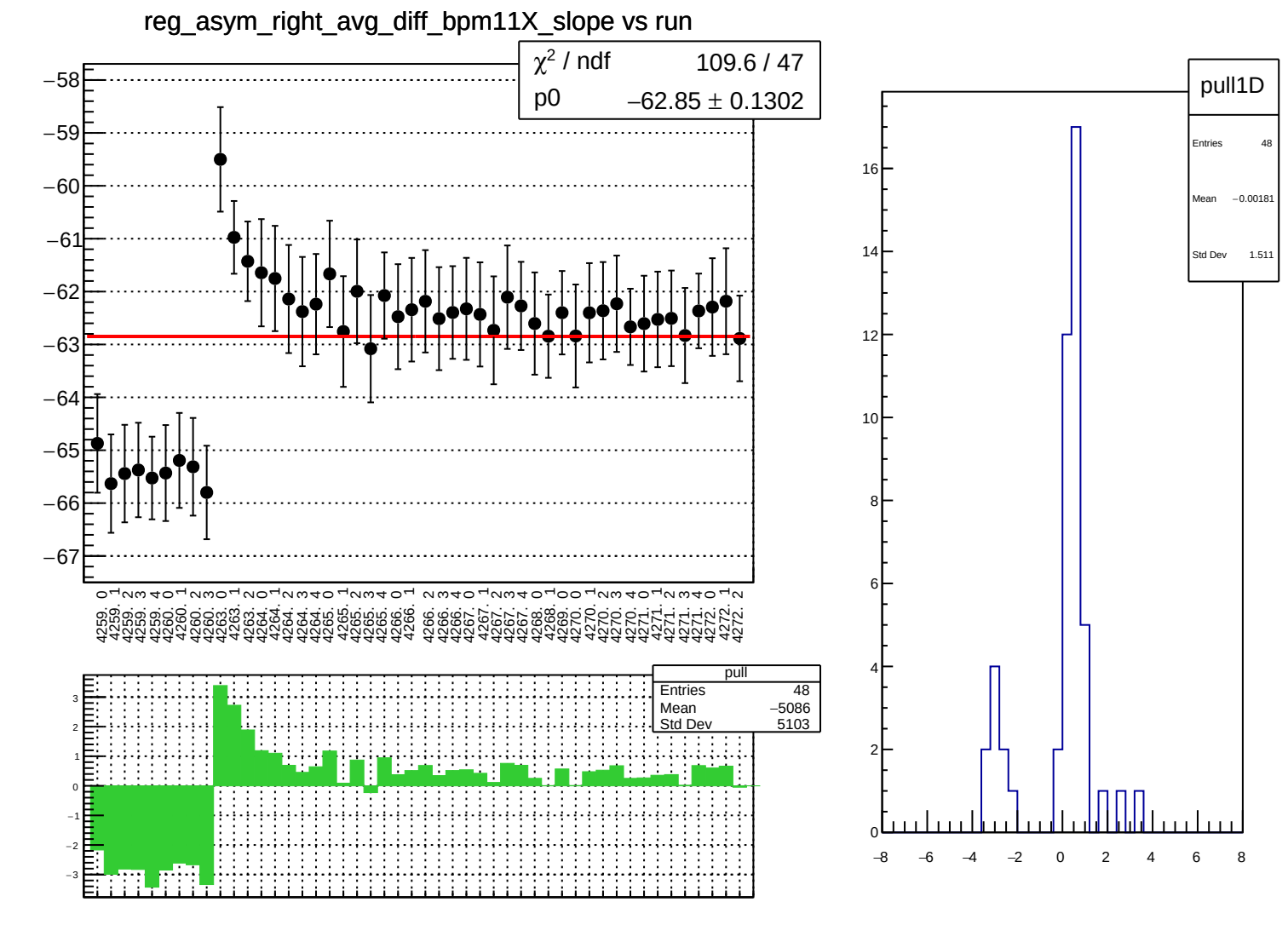

pull1D
Entries 48
Mean 0.01656
Std Dev 0.577

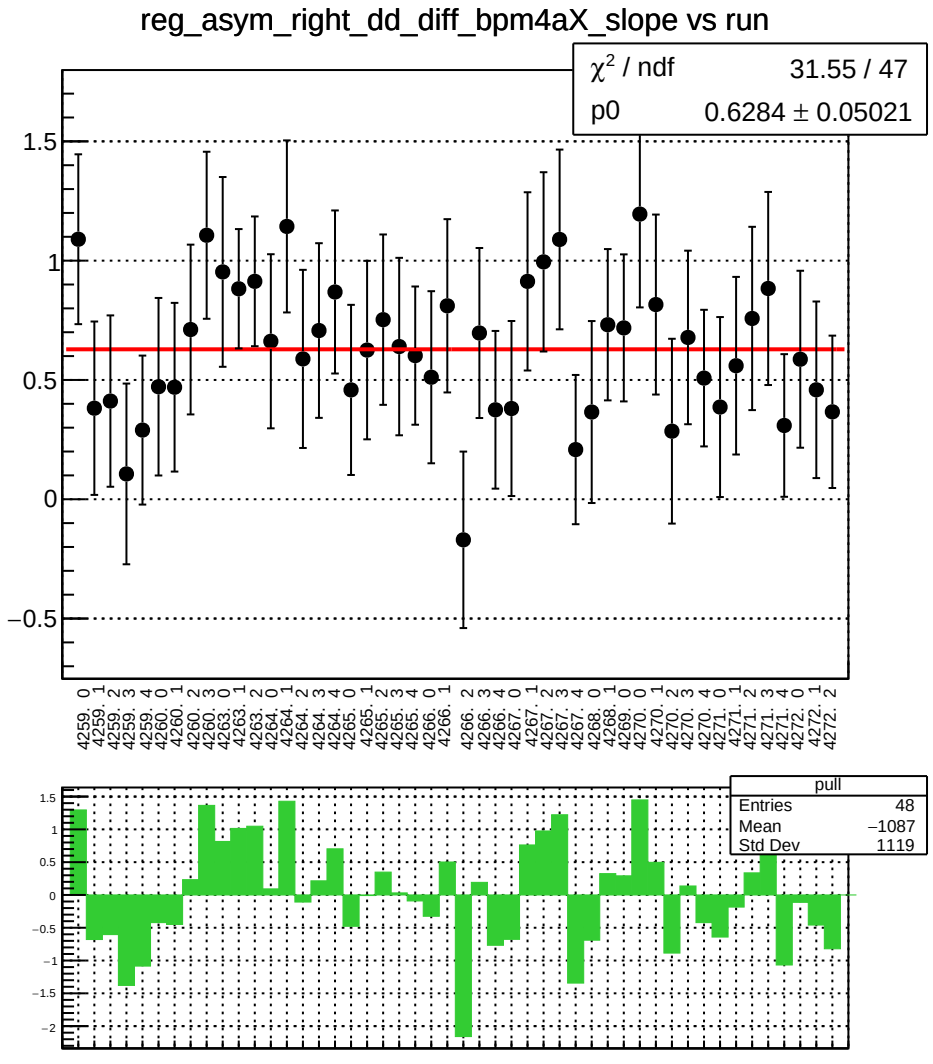

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 236.3 / 47
p0 24.52 ± 0.09775
pull
Entries 48
Mean −672.1
Std Dev 691.4

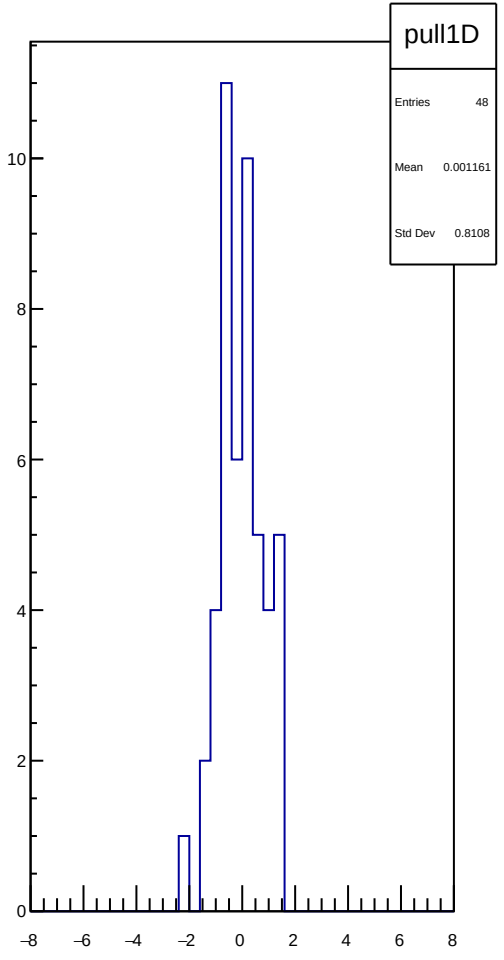

pull1D
Entries 48
Mean −0.03286
Std Dev 2.219

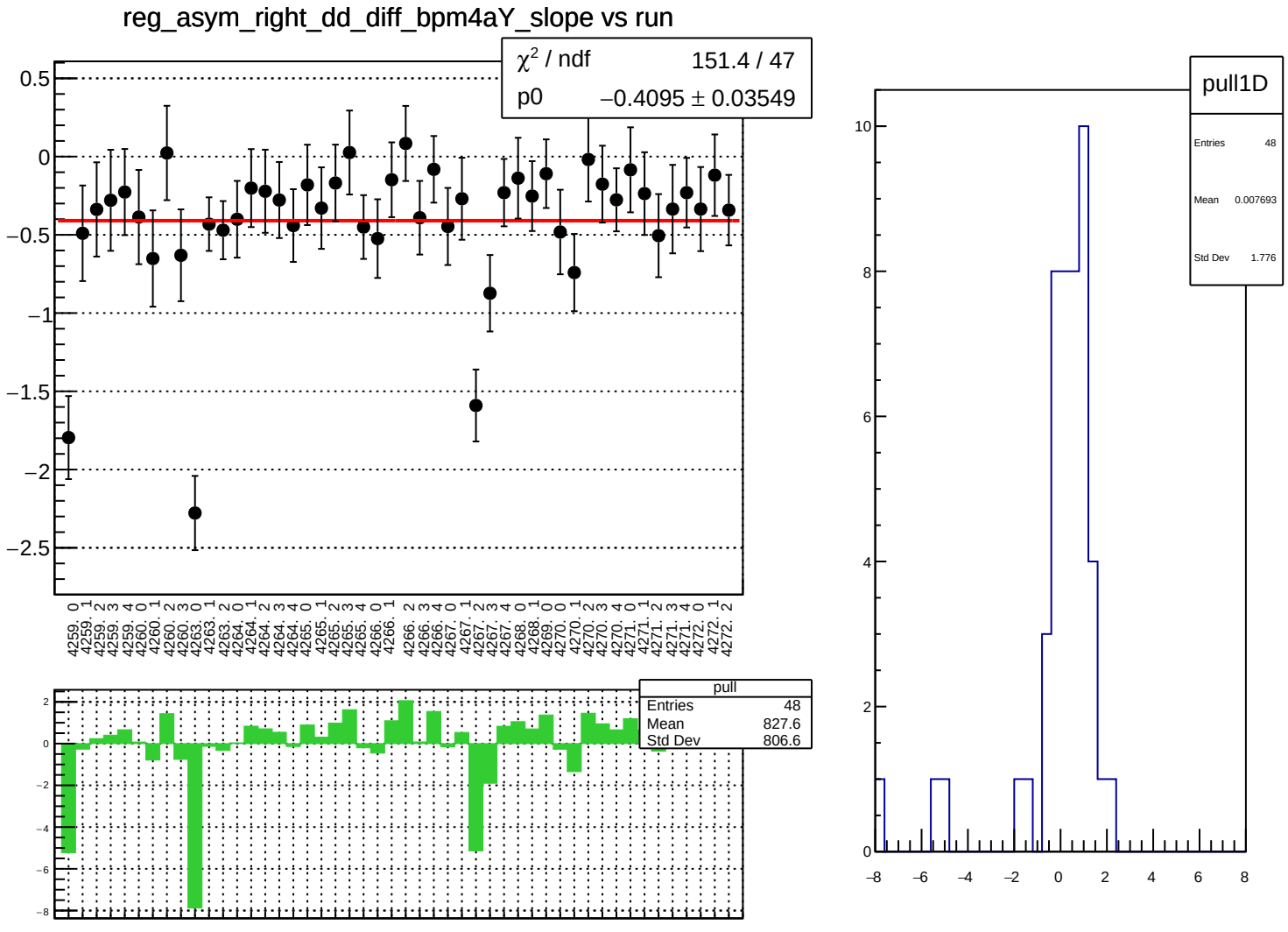

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.99 / 47
p0 7.615 ± 0.6584
pull
Entries 48
Mean 28.59
Std Dev 49.69

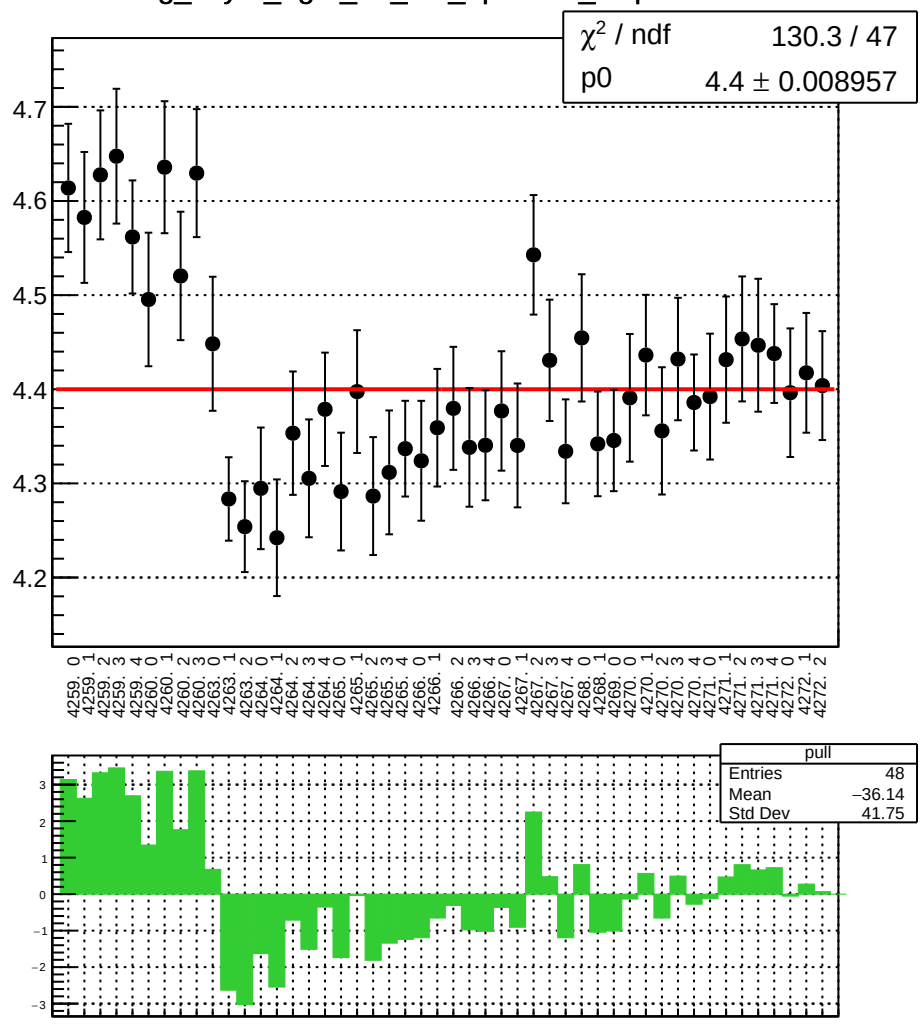

pull1D
Entries 48
Mean −0.01072
Std Dev 0.577

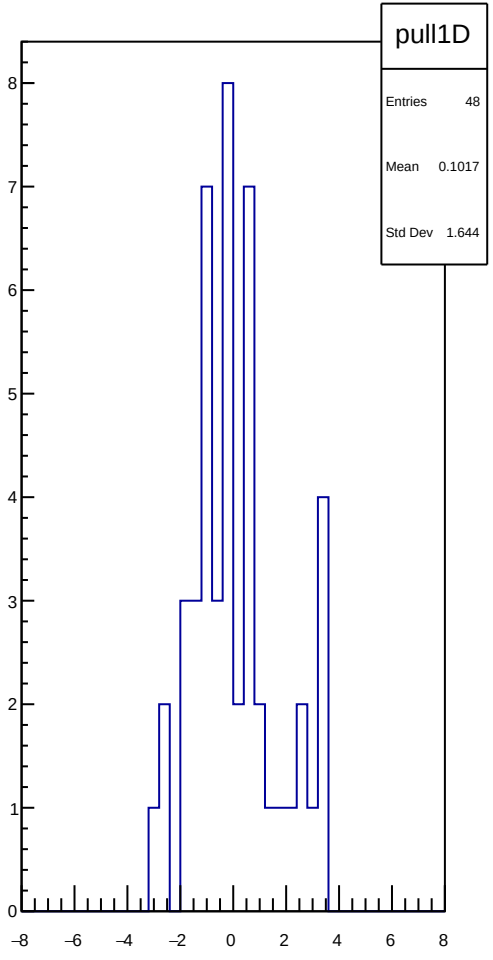

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 109.6 / 47
p0 −62.85 ± 0.1302
pull
Entries 48
Mean −5086
Std Dev 5103
pull1D
Entries 48
Mean −0.00181
Std Dev 1.511

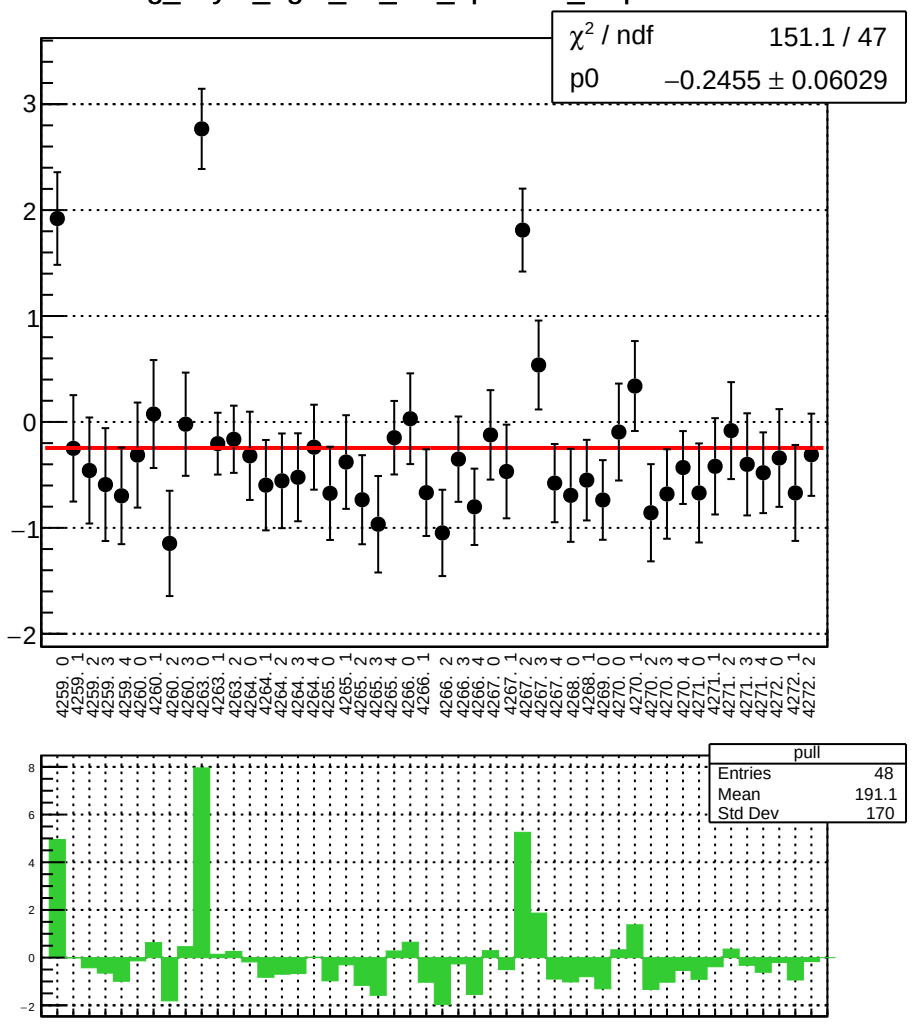

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 31.55 / 47
p0 0.6284 ± 0.05021
pull
Entries 48
Mean −1087
Std Dev 1119

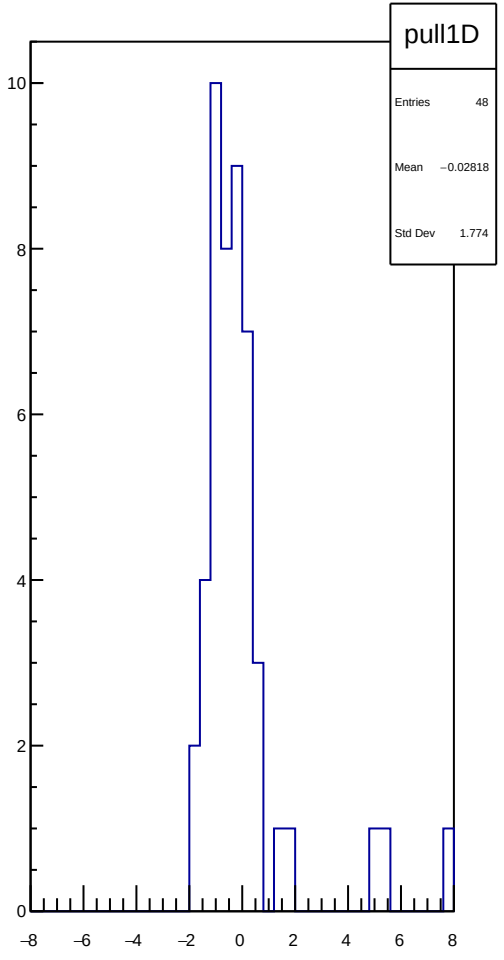

pull1D
Entries 48
Mean 0.001161
Std Dev 0.8108

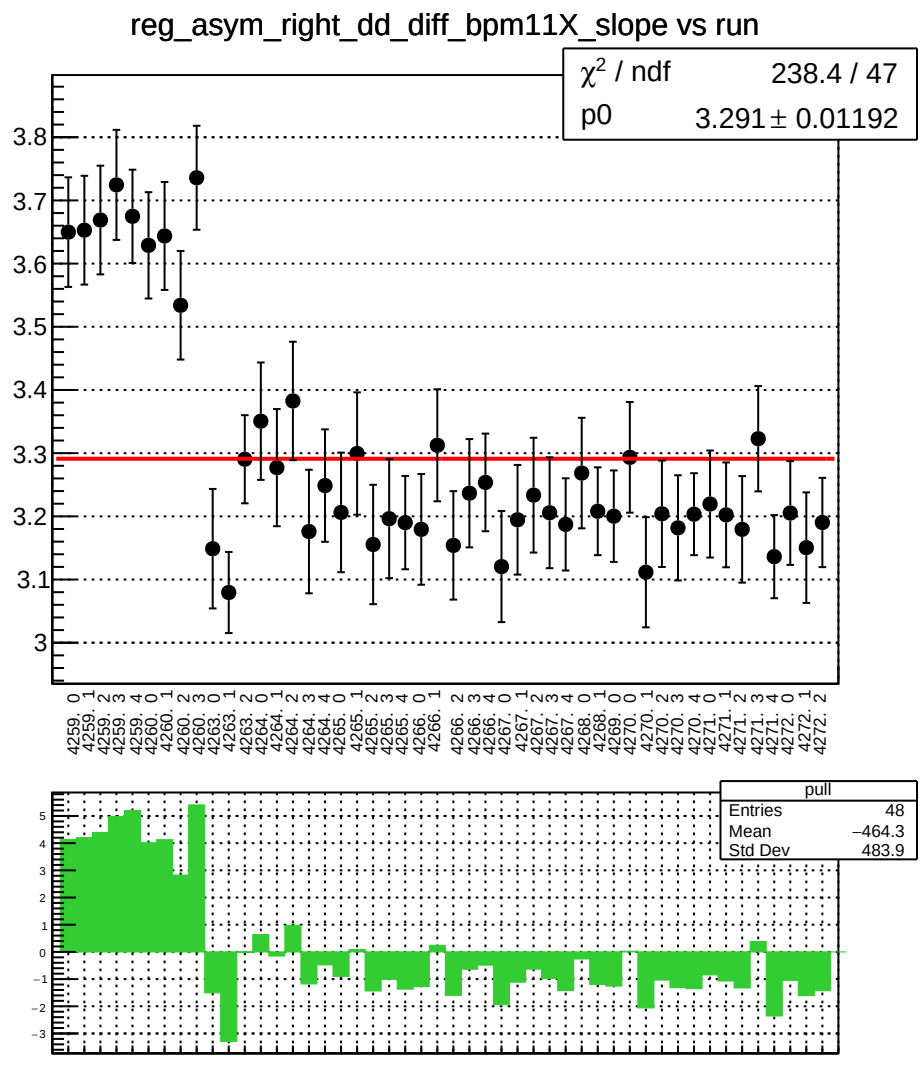

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 151.4 / 47
p0 −0.4095 ± 0.03549
pull
Entries 48
Mean 827.6
Std Dev 806.6
pull1D
Entries 48
Mean 0.007693
Std Dev 1.776

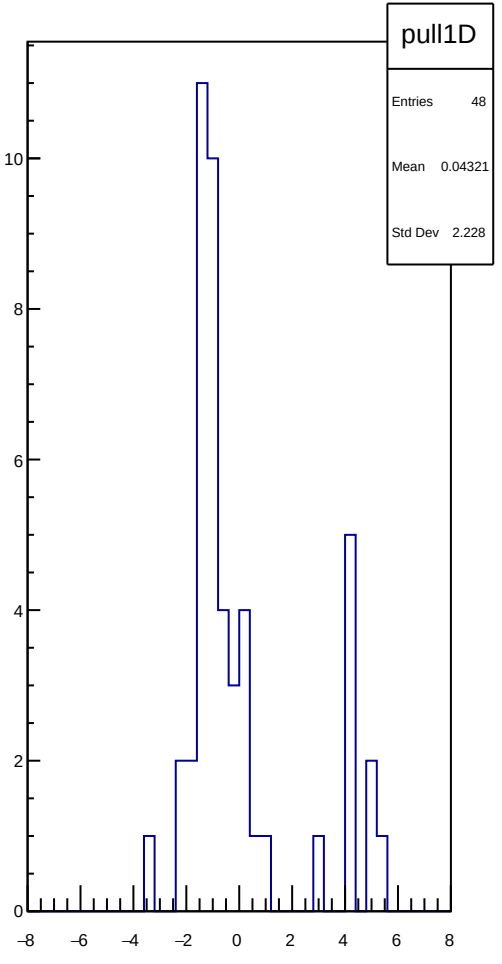

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.3 / 47
p0 4.4 ± 0.008957
4.7
4.6
4.5
4.4
4.3
4.2
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −36.14
Std Dev 41.75
3
2
1
0
−1
−2
−3

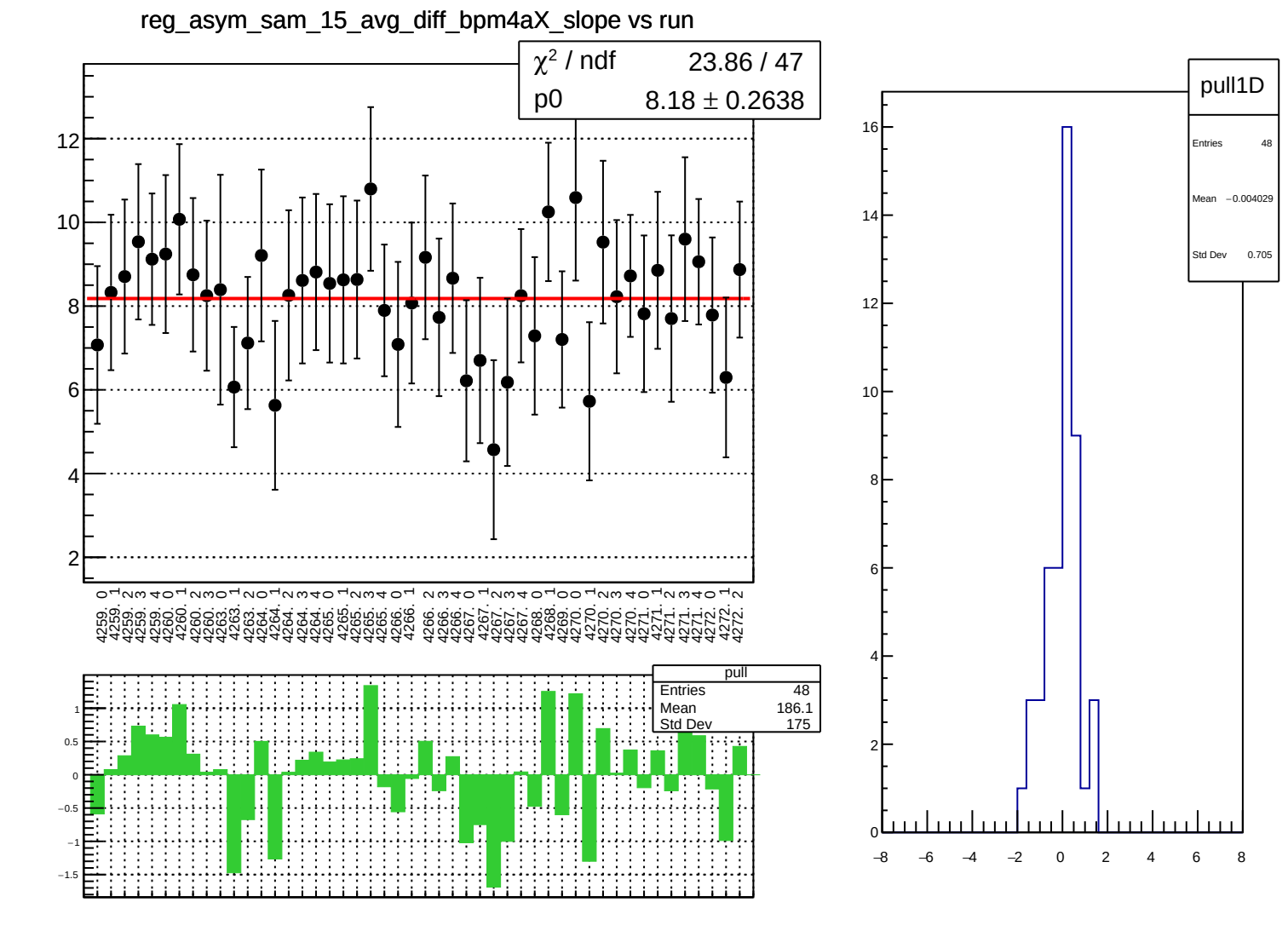

pull1D
Entries 48
Mean 0.1017
Std Dev 1.644
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

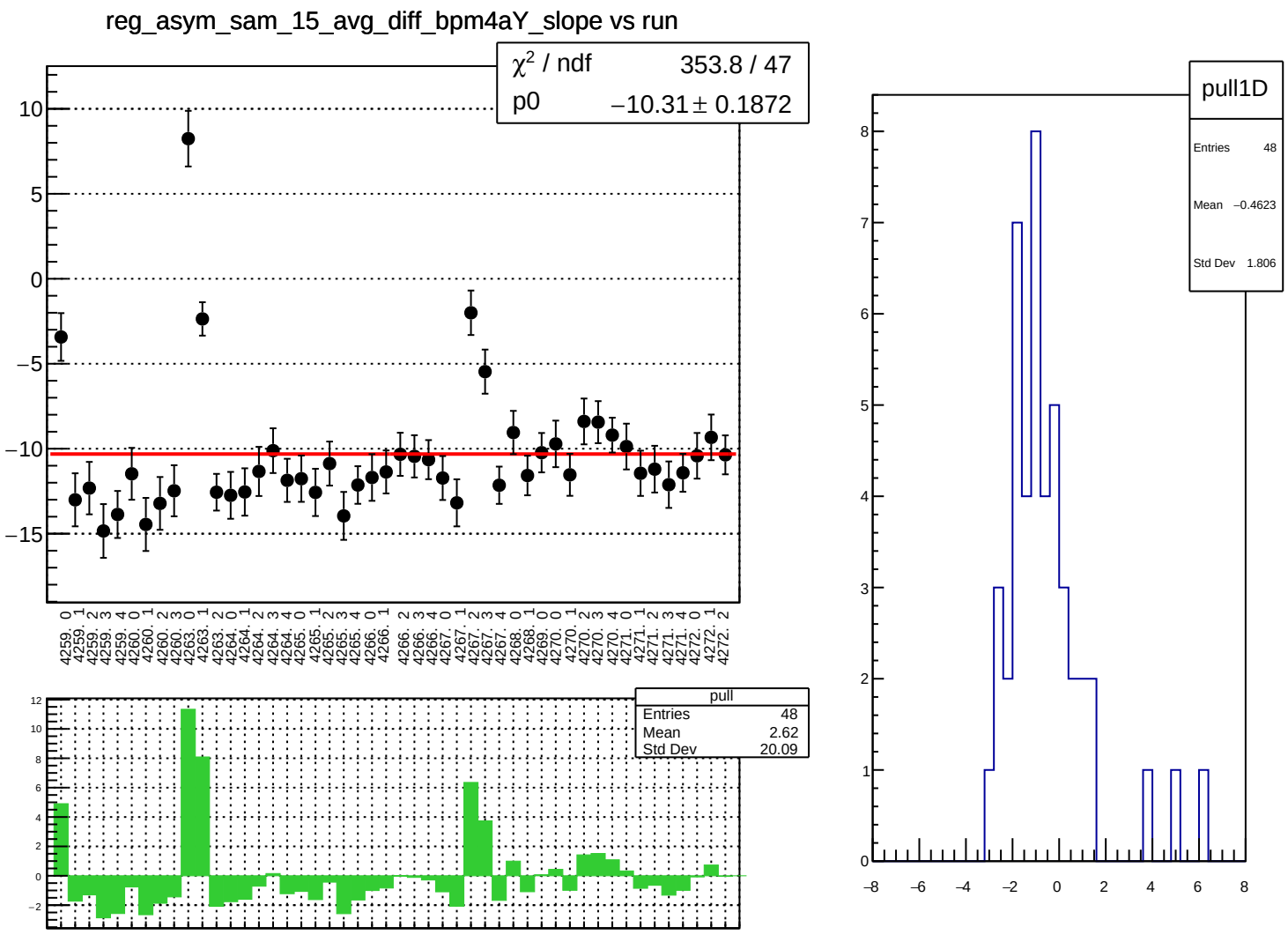

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 151.1 / 47
p0 −0.2455 ± 0.06029
pull
Entries 48
Mean 191.1
Std Dev 170

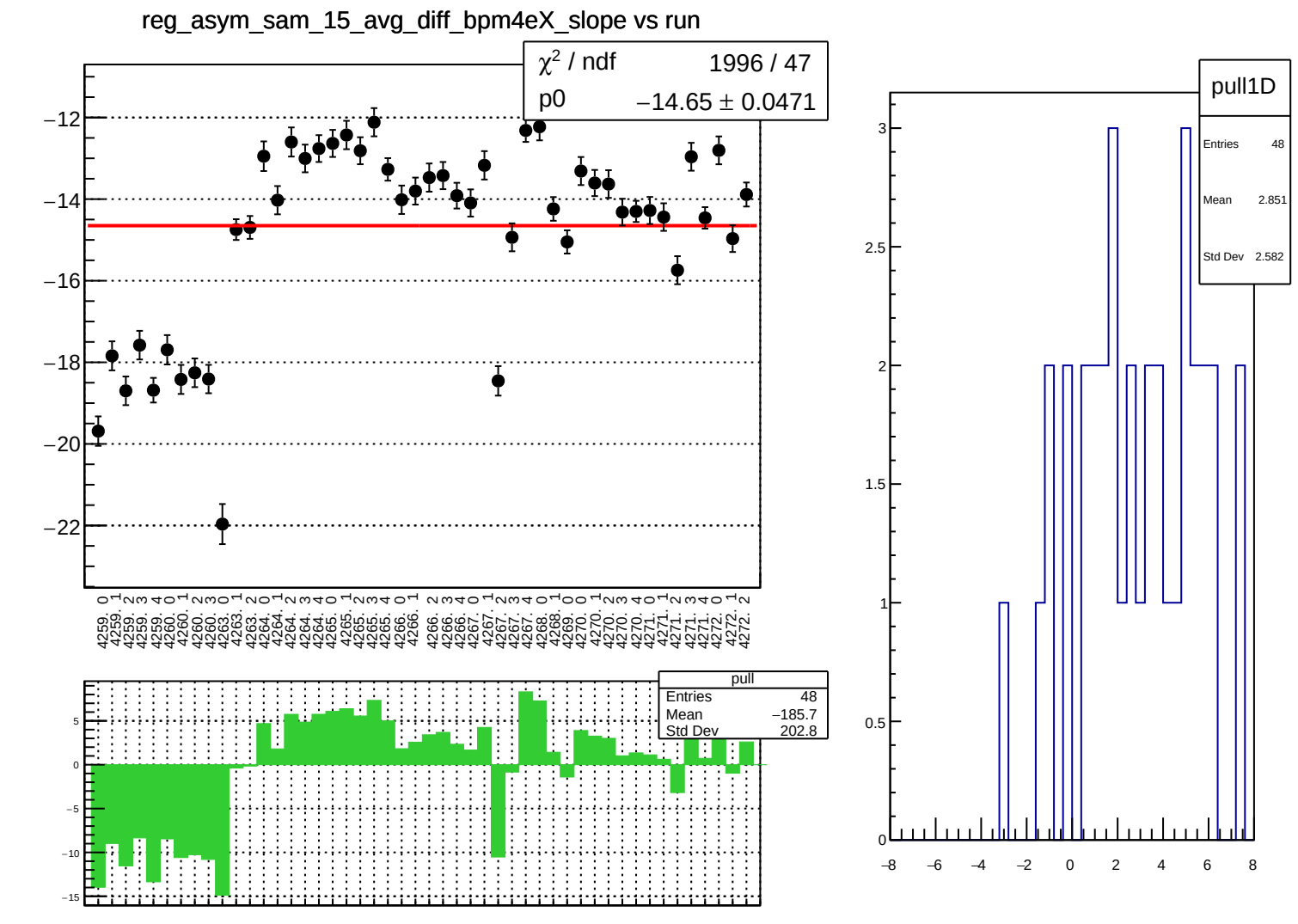

pull1D
Entries 48
Mean −0.02818
Std Dev 1.774

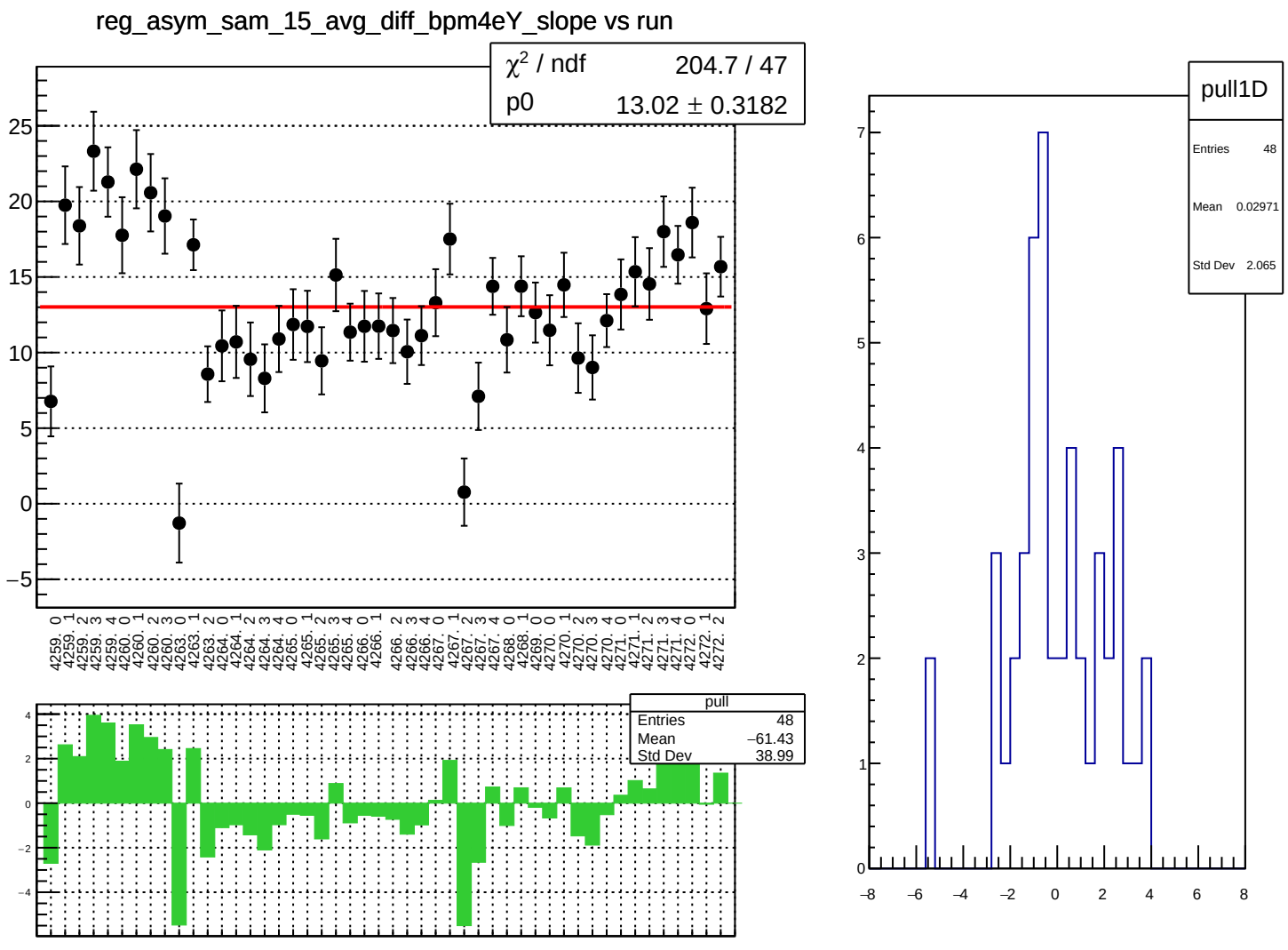

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 238.4 / 47
p0 3.291 ± 0.01192
pull
Entries 48
Mean −464.3
Std Dev 483.9

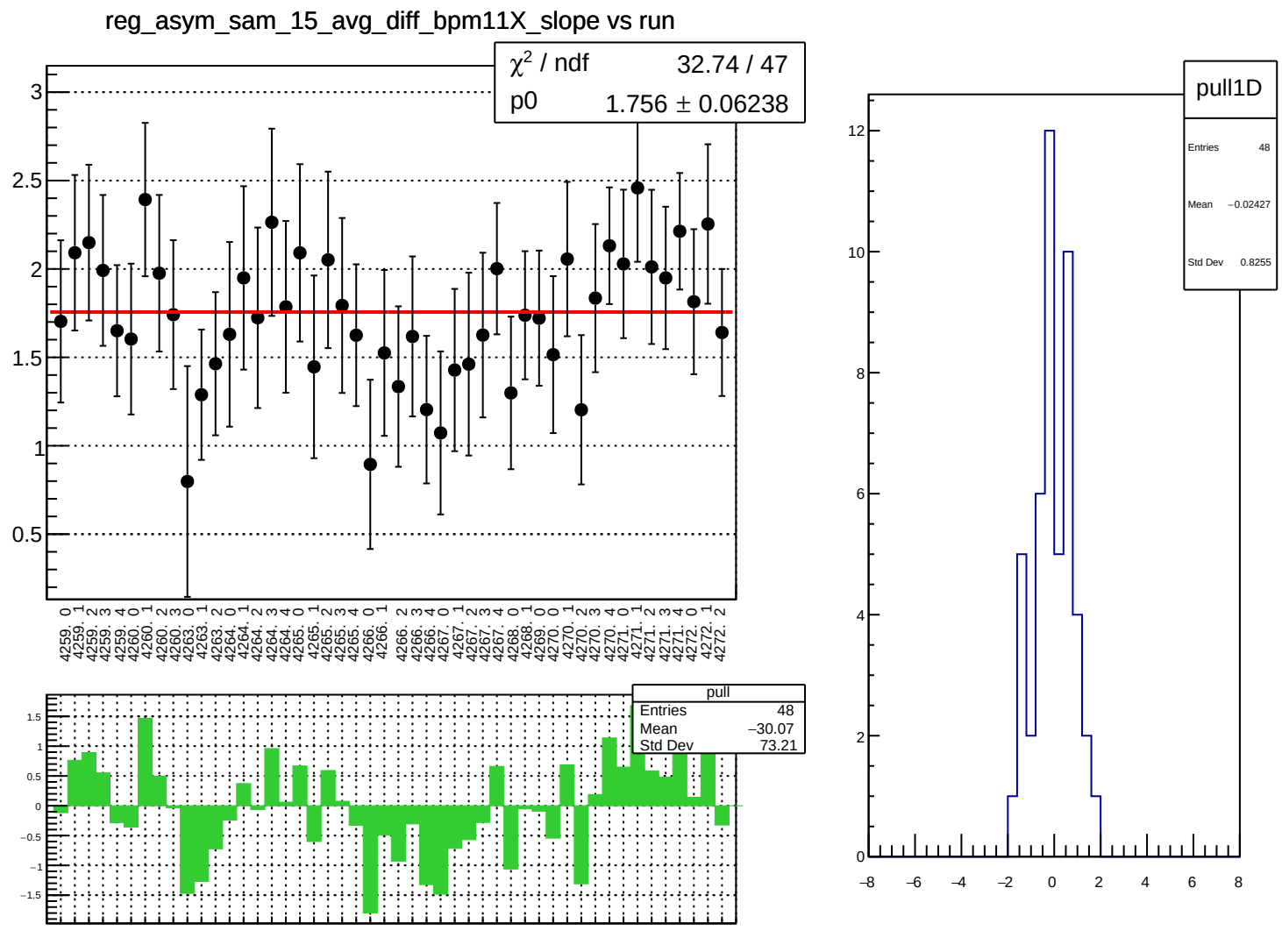

pull1D
Entries 48
Mean 0.04321
Std Dev 2.228

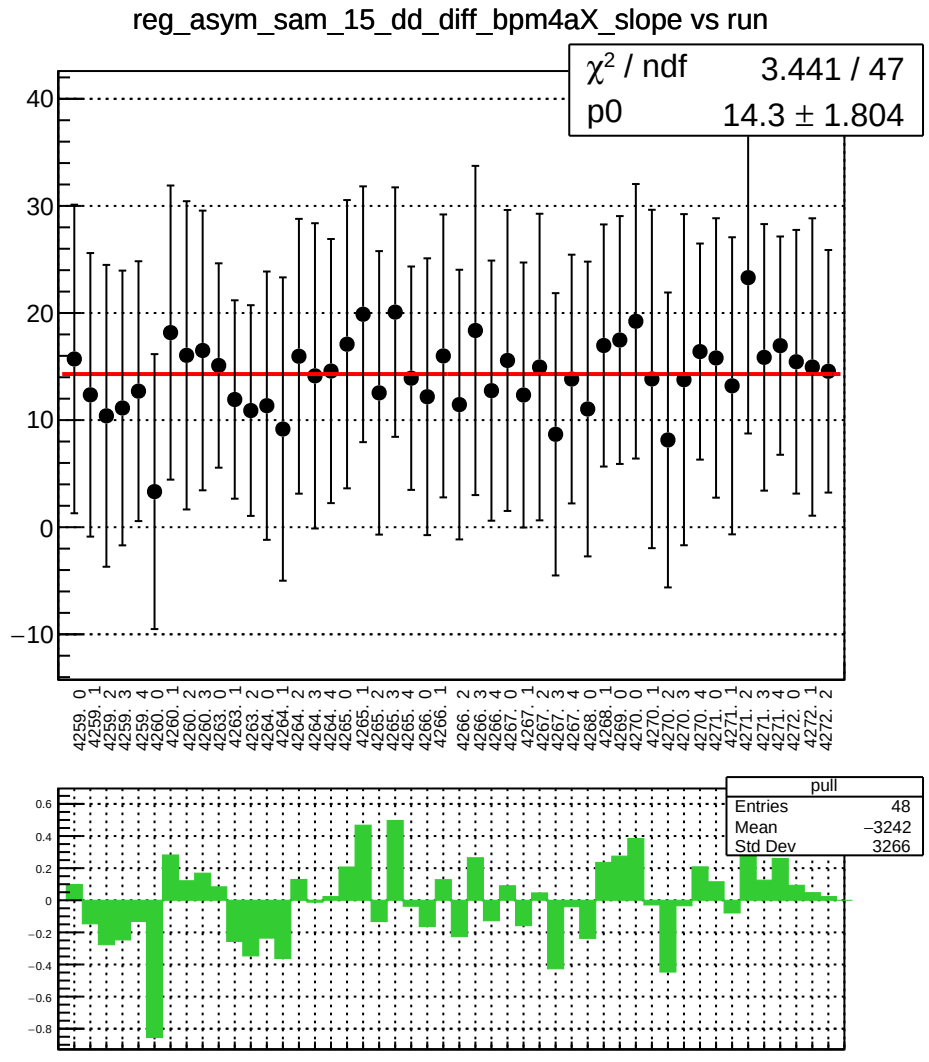

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.86 / 47
p0 8.18 ± 0.2638
pull
Entries 48
Mean 186.1
Std Dev 175
pull1D
Entries 48
Mean −0.004029
Std Dev 0.705

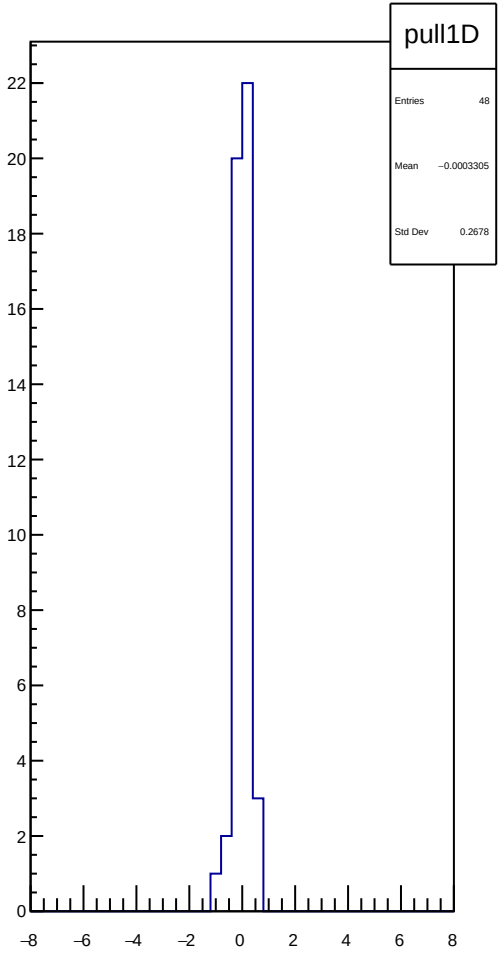

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 353.8 / 47
p0 −10.31 ± 0.1872
pull
Entries 48
Mean 2.62
Std Dev 20.09
pull1D
Entries 48
Mean −0.4623
Std Dev 1.806

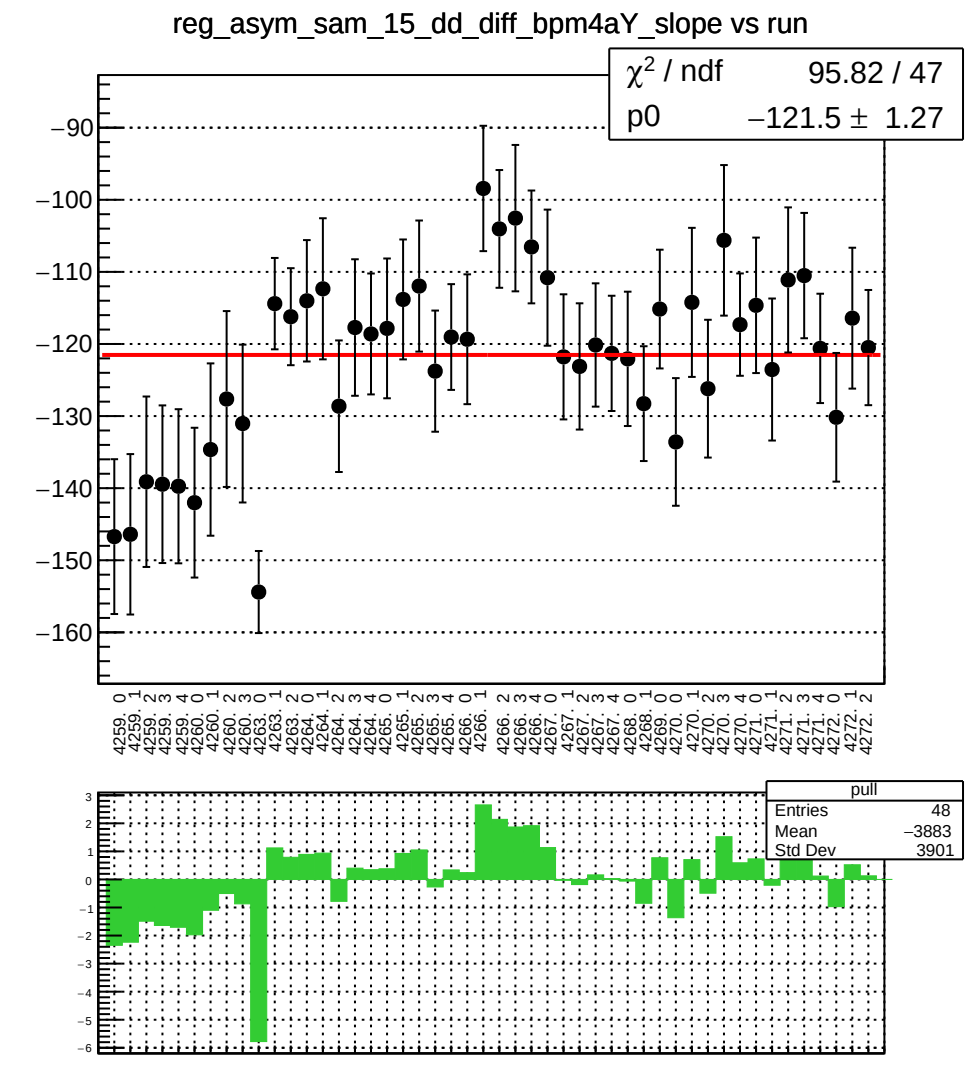

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1996 / 47
p0 −14.65 ± 0.0471
pull
Entries 48
Mean −185.7
Std Dev 202.8
pull1D
Entries 48
Mean 2.851
Std Dev 2.582

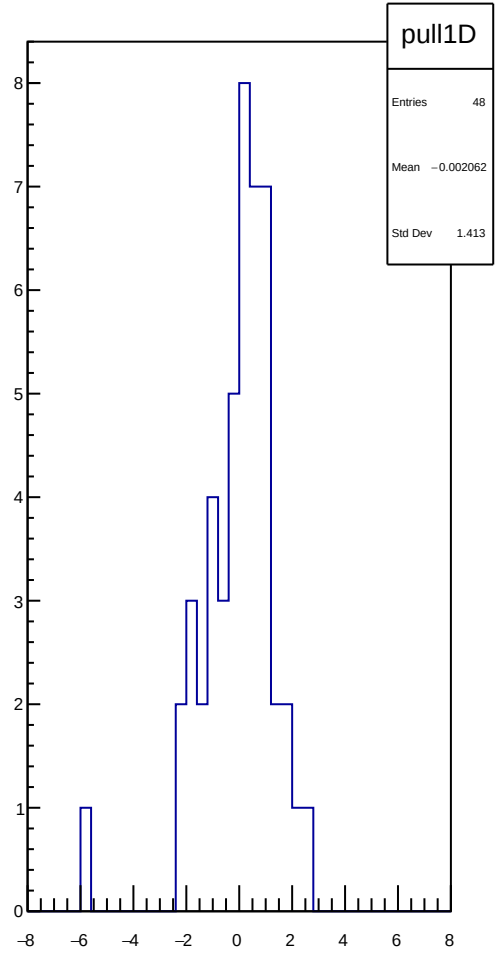

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 204.7 / 47
p0 13.02 ± 0.3182
pull
Entries 48
Mean −61.43
Std Dev 38.99
pull1D
Entries 48
Mean 0.02971
Std Dev 2.065

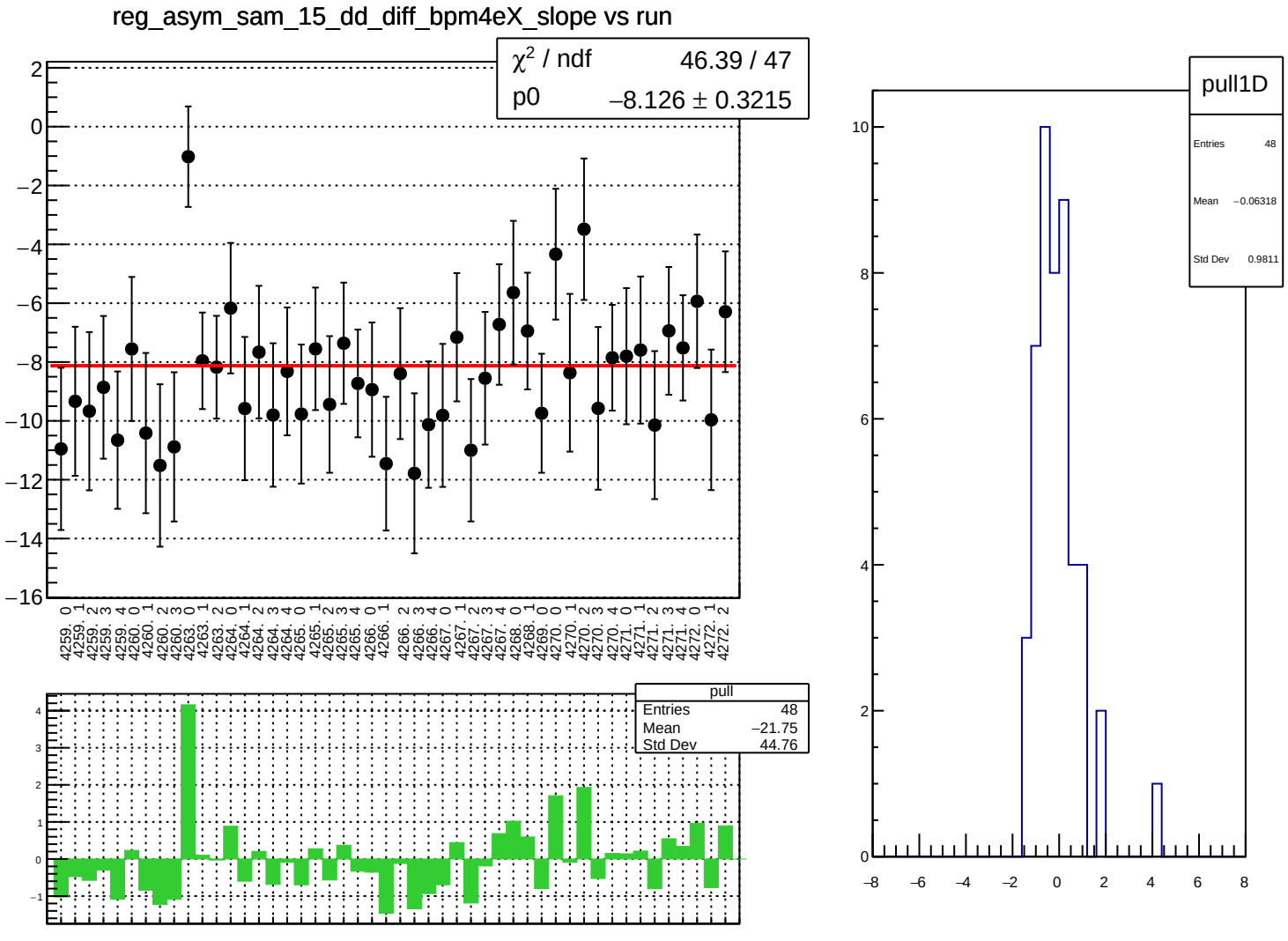

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 32.74 / 47
p0 1.756 ± 0.06238
pull
Entries 48
Mean −30.07
Std Dev 73.21
pull1D
Entries 48
Mean −0.02427
Std Dev 0.8255

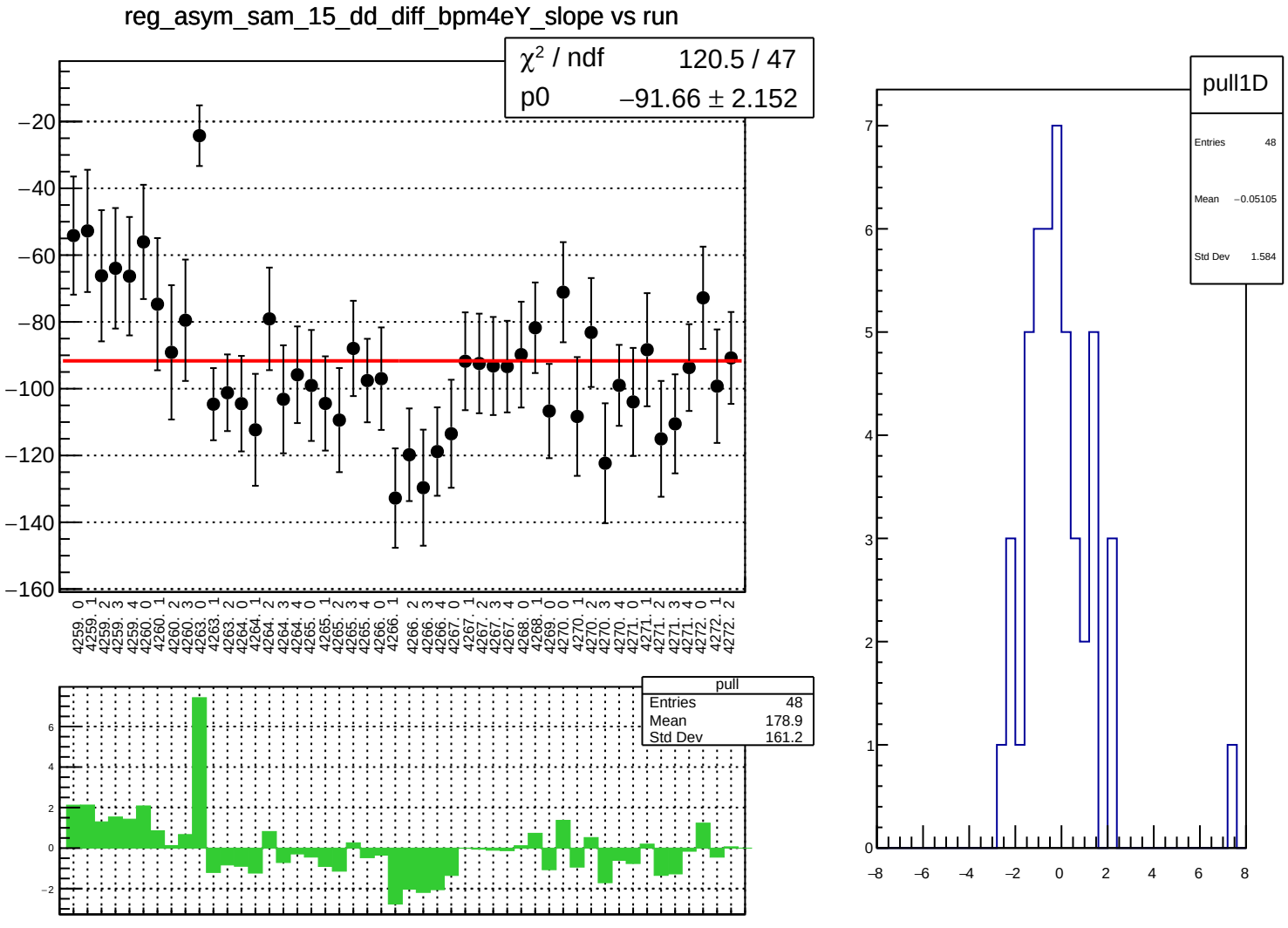

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.441 / 47
p0 14.3 ± 1.804
pull
Entries 48
Mean −3242
Std Dev 3266

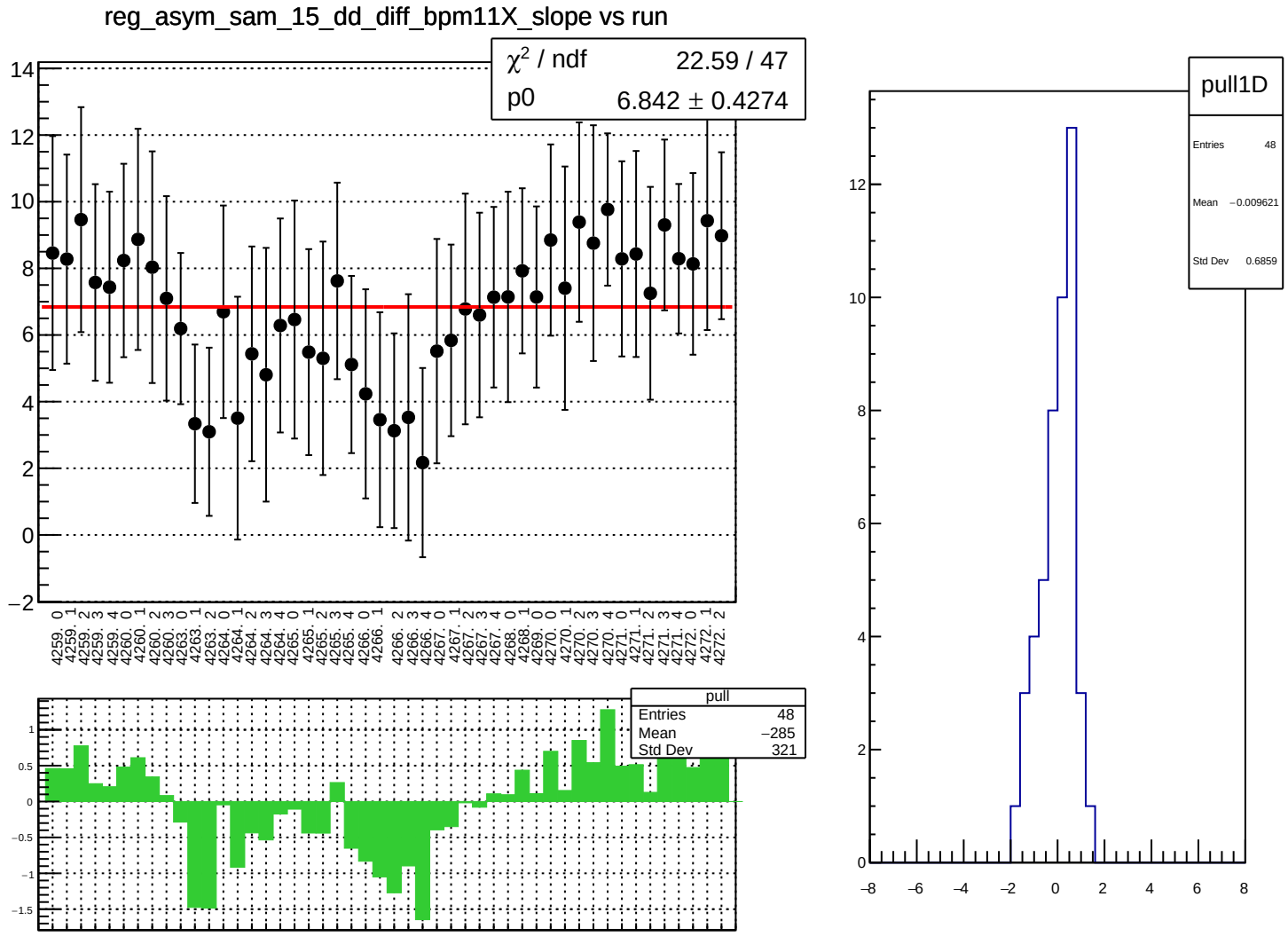

pull1D
Entries 48
Mean −0.0003305
Std Dev 0.2678

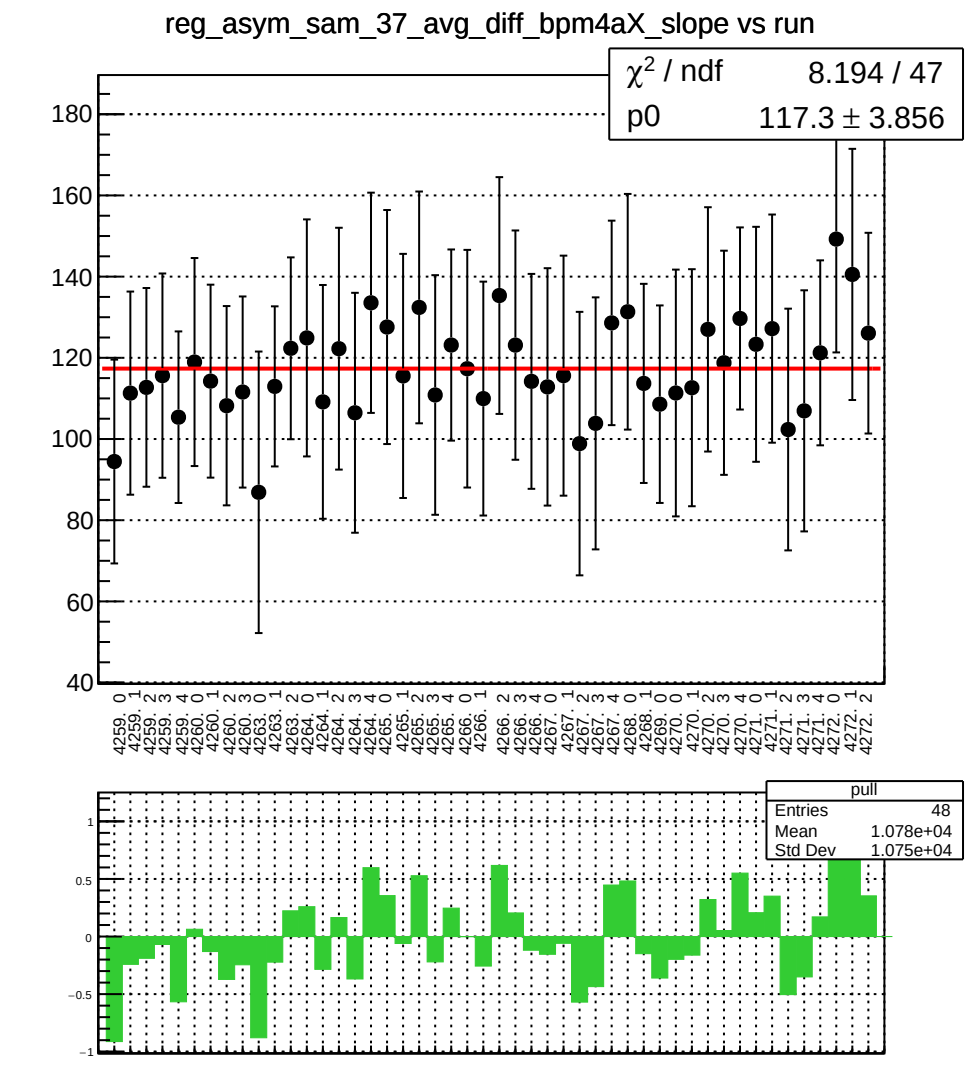

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.82 / 47
p0 −121.5 ± 1.27
pull
Entries 48
Mean −3883
Std Dev 3901

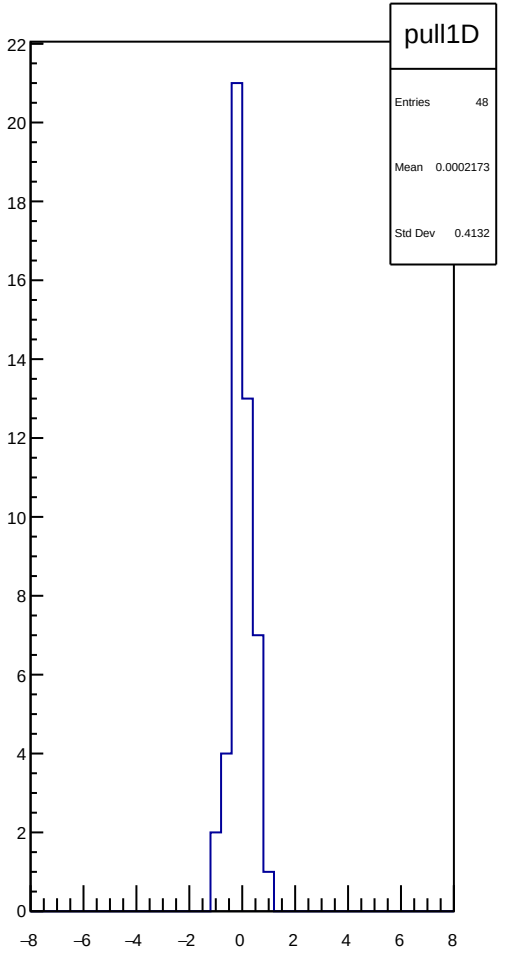

pull1D
Entries 48
Mean −0.002062
Std Dev 1.413

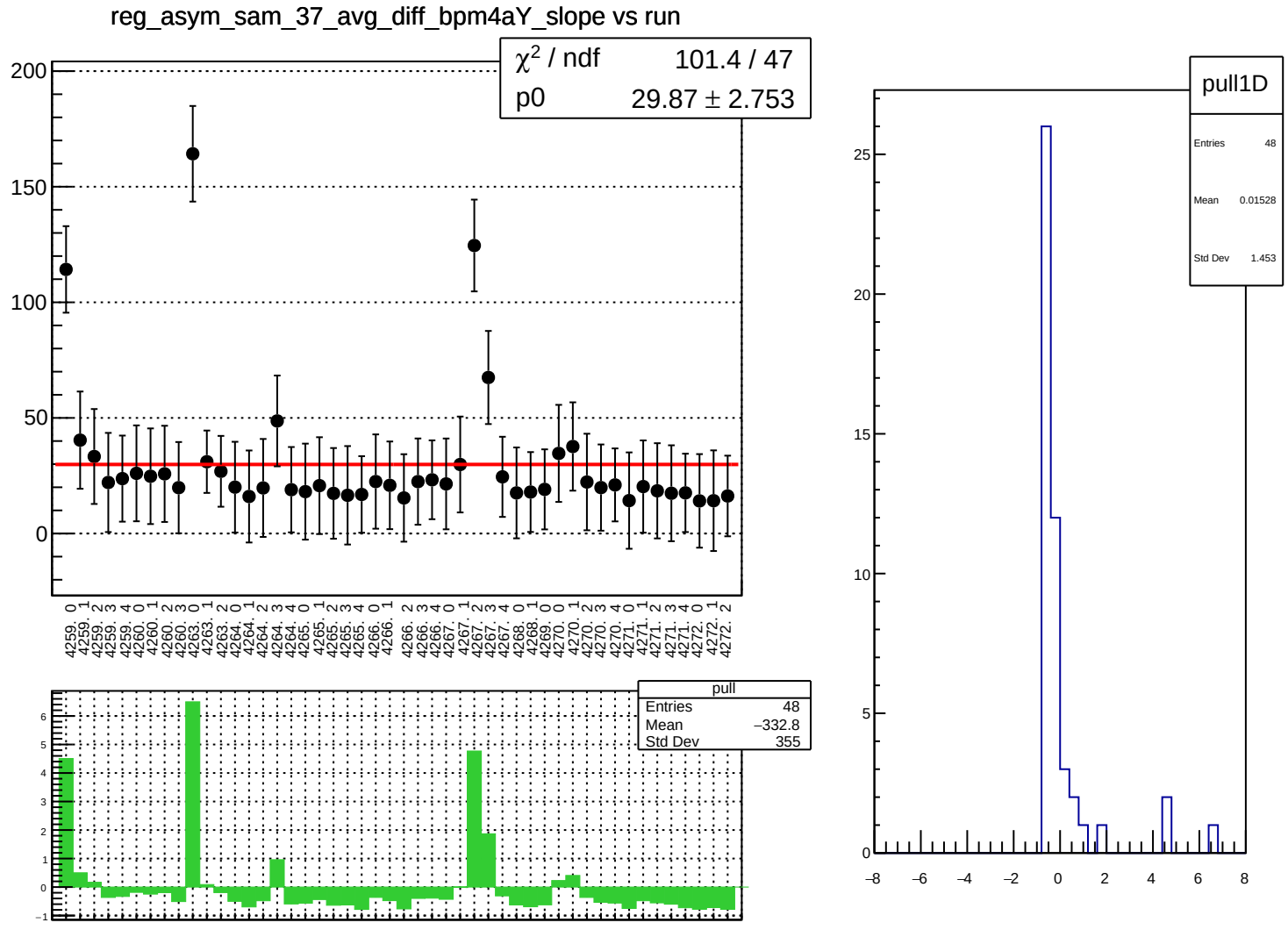

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.39 / 47
p0 −8.126 ± 0.3215
pull
Entries 48
Mean −21.75
Std Dev 44.76
pull1D
Entries 48
Mean −0.06318
Std Dev 0.9811

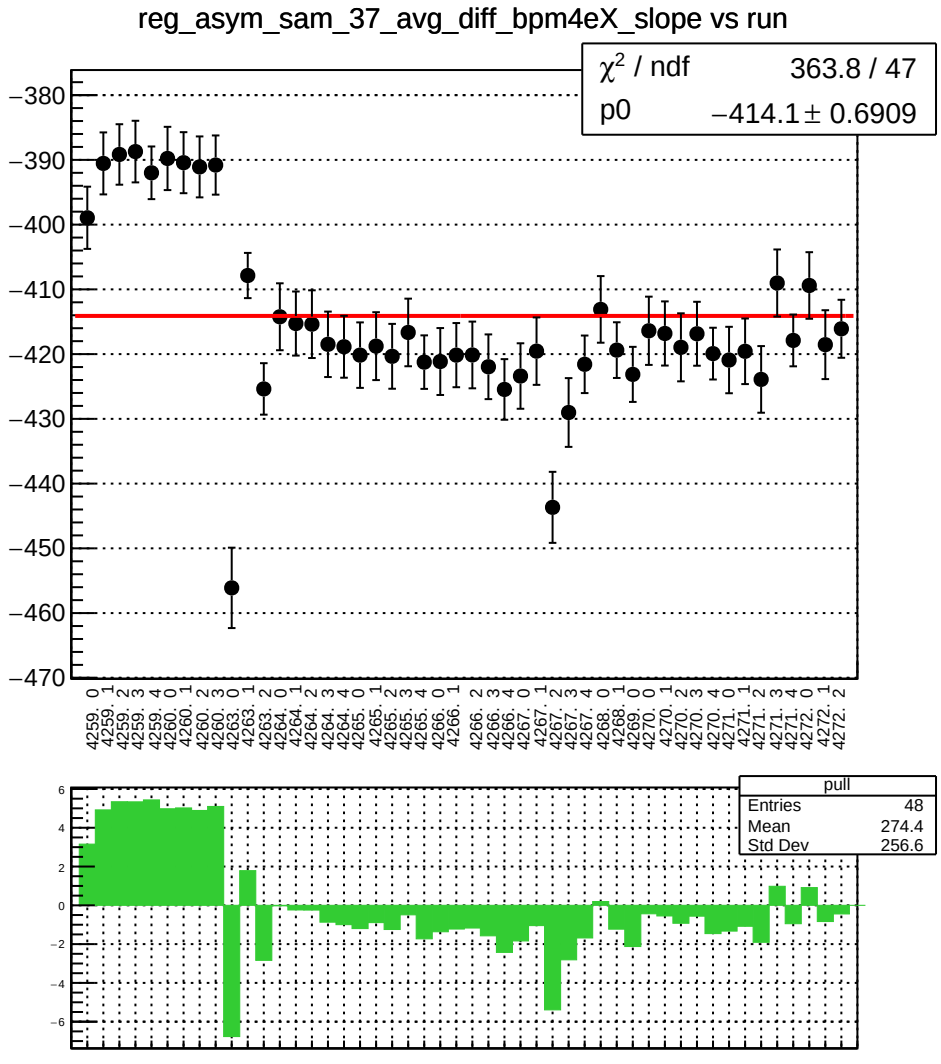

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.5 / 47
p0 −91.66 ± 2.152
pull
Entries 48
Mean 178.9
Std Dev 161.2
pull1D
Entries 48
Mean −0.05105
Std Dev 1.584

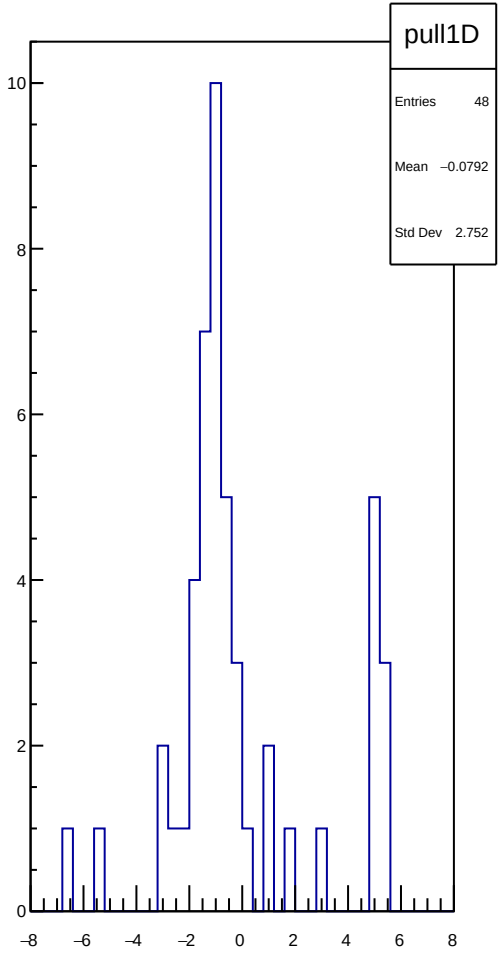

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 22.59 / 47
p0 6.842 ± 0.4274
pull
Entries 48
Mean −285
Std Dev 321
pull1D
Entries 48
Mean −0.009621
Std Dev 0.6859

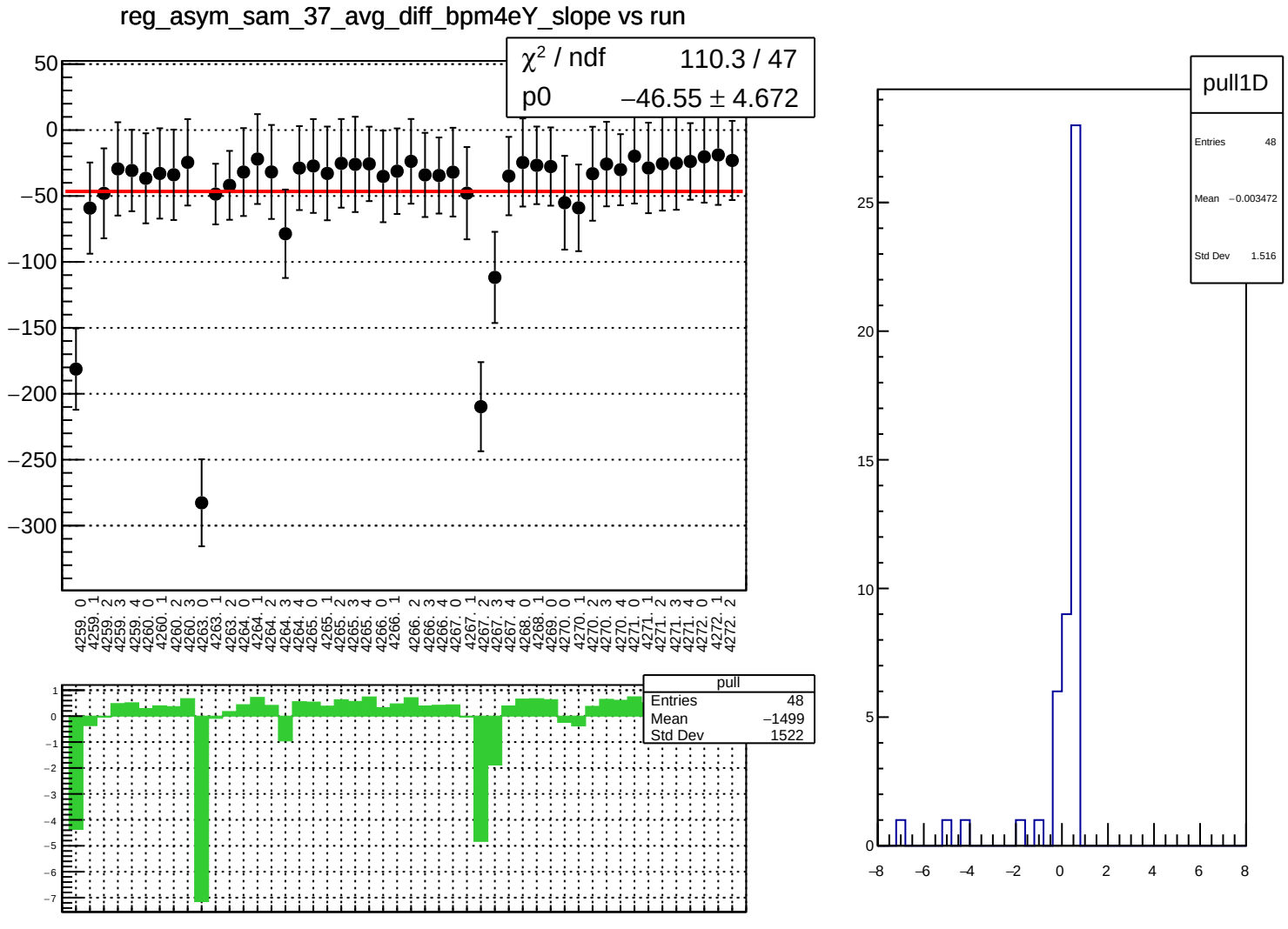

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.194 / 47
p0 117.3 ± 3.856
pull
Entries 48
Mean 1.078e+04
Std Dev 1.075e+04

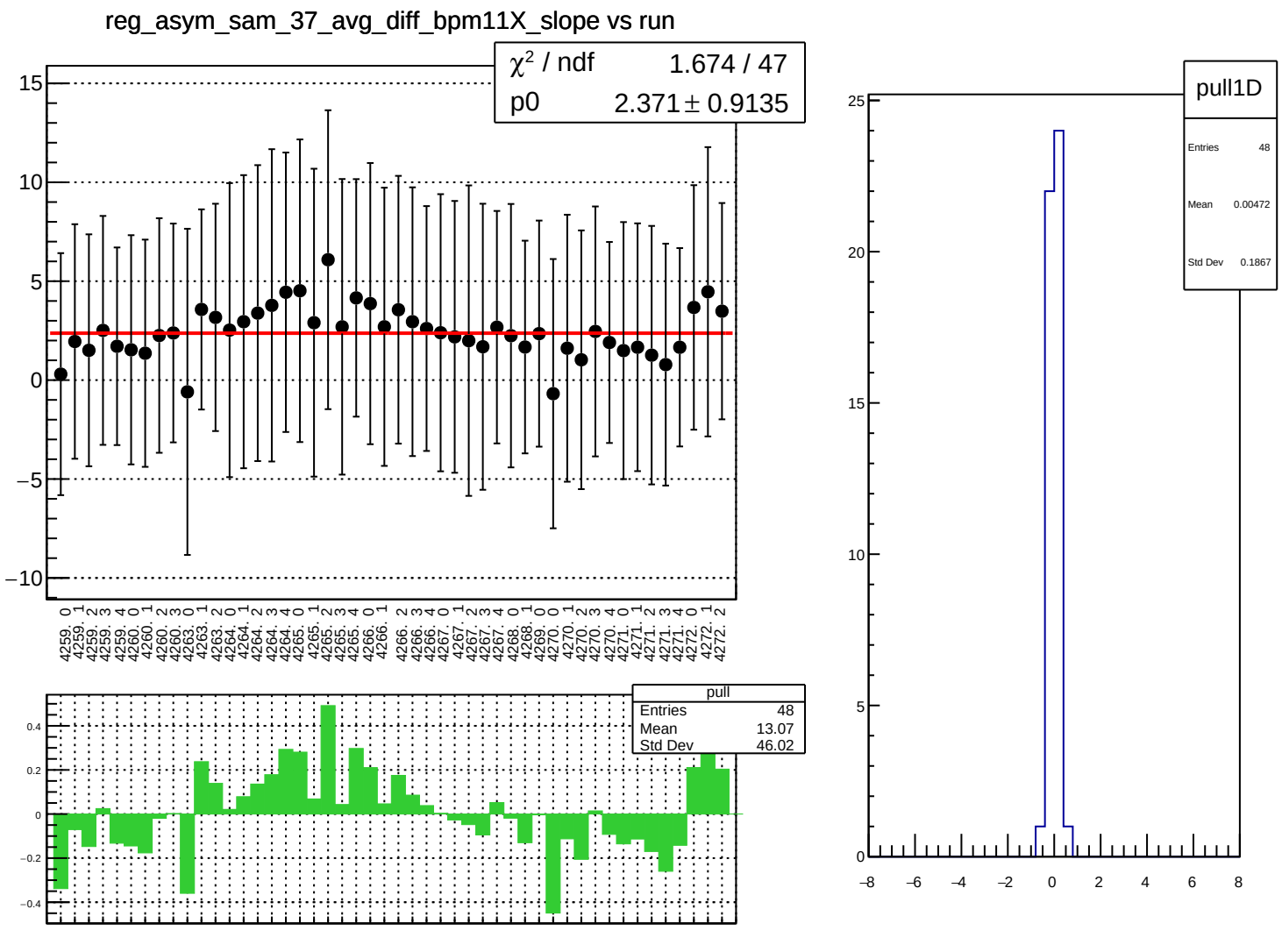

pull1D
Entries 48
Mean 0.0002173
Std Dev 0.4132

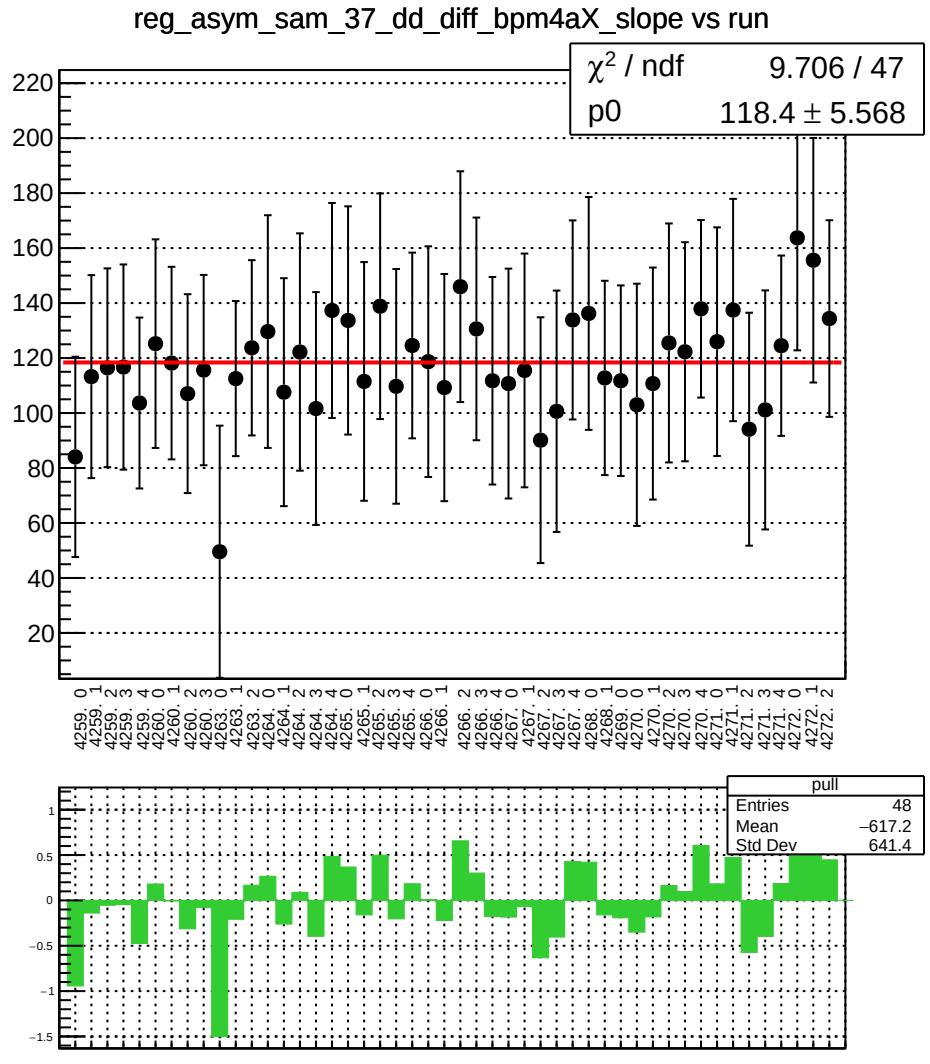

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 101.4 / 47
p0 29.87 ± 2.753
200
150
100
50
0
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −332.8
Std Dev 355
6
5
4
3
2
1
0
−1
pull1D
Entries 48
Mean 0.01528
Std Dev 1.453
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

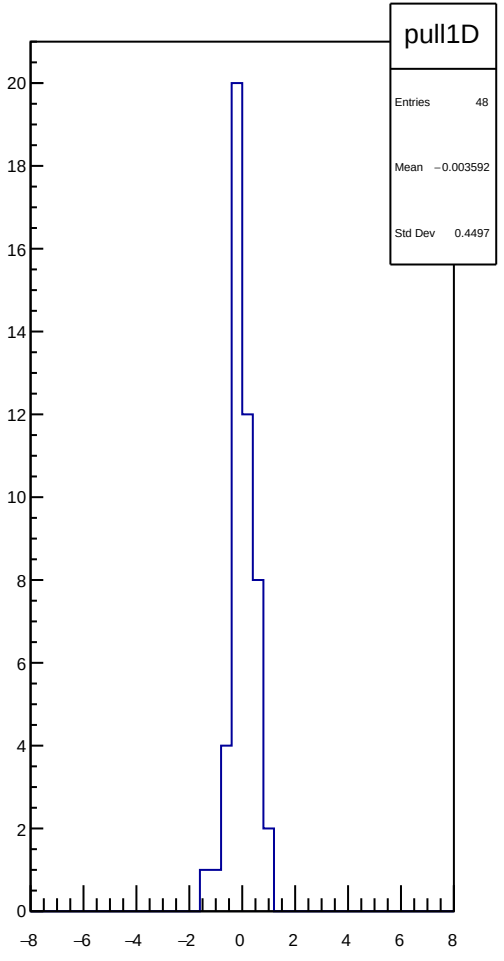

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 363.8 / 47
p0 −414.1 ± 0.6909
pull
Entries 48
Mean 274.4
Std Dev 256.6

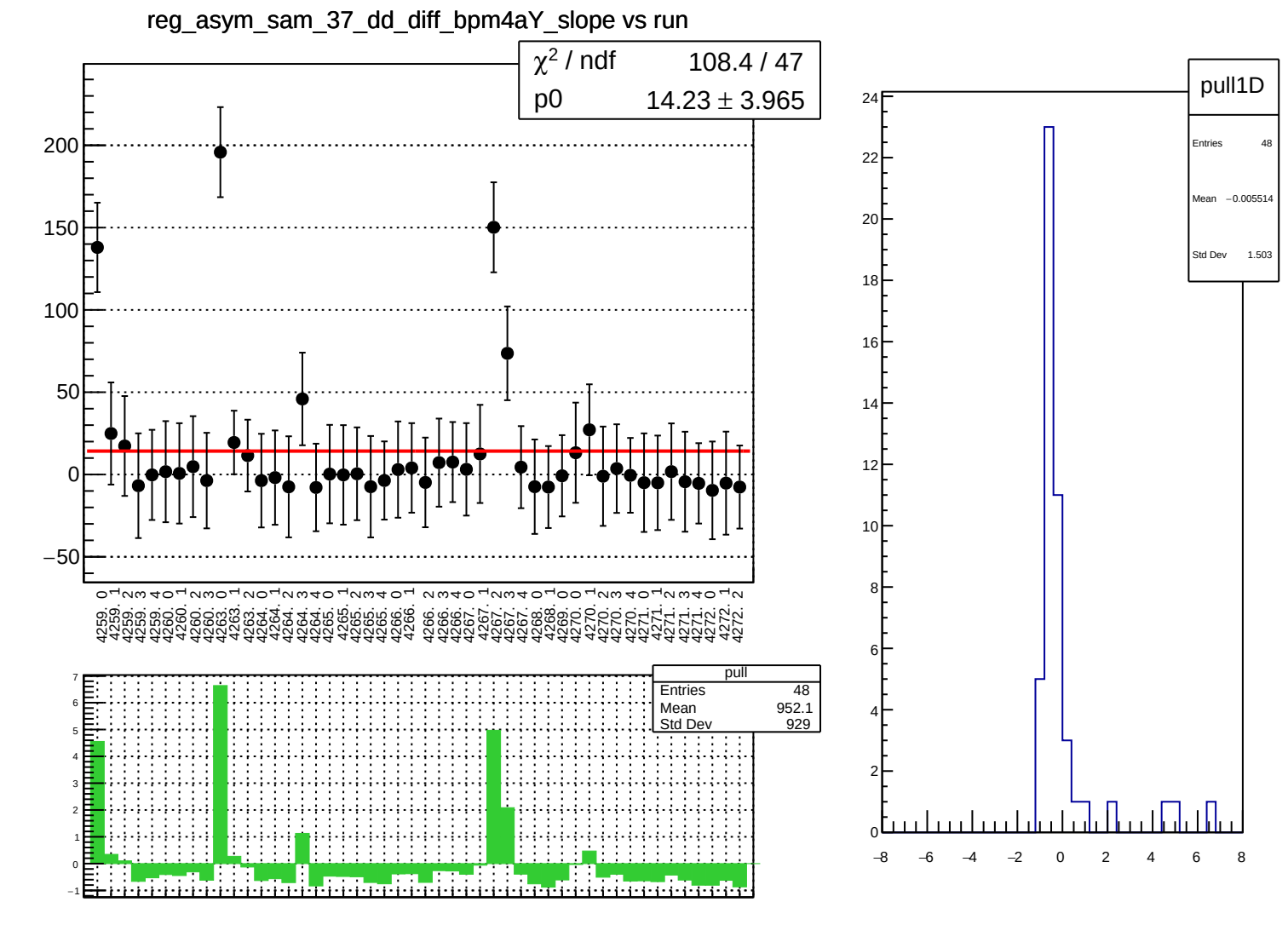

pull1D
Entries 48
Mean −0.0792
Std Dev 2.752

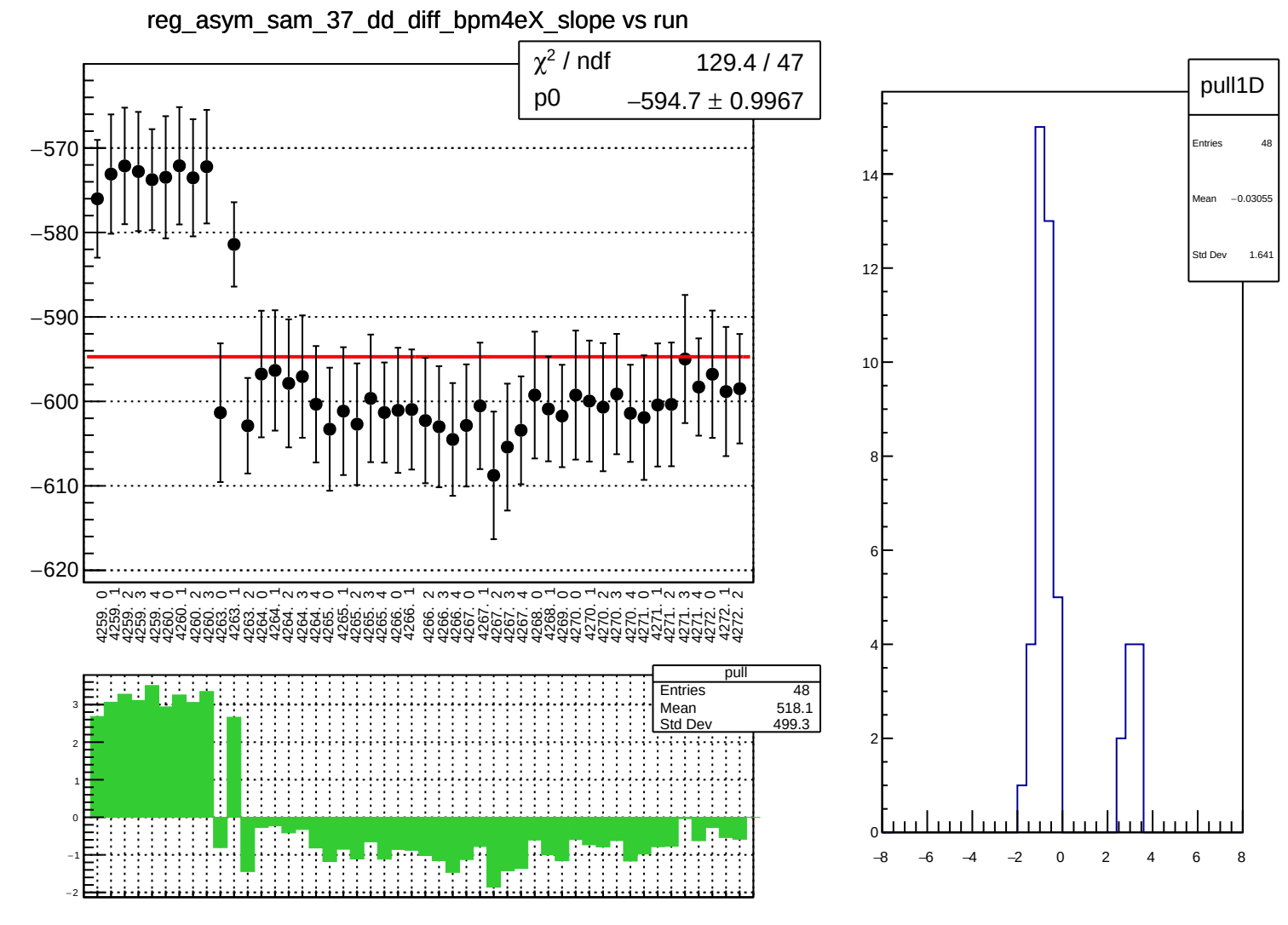

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 110.3 / 47
p0 −46.55 ± 4.672
pull
Entries 48
Mean −1499
Std Dev 1522
pull1D
Entries 48
Mean −0.003472
Std Dev 1.516

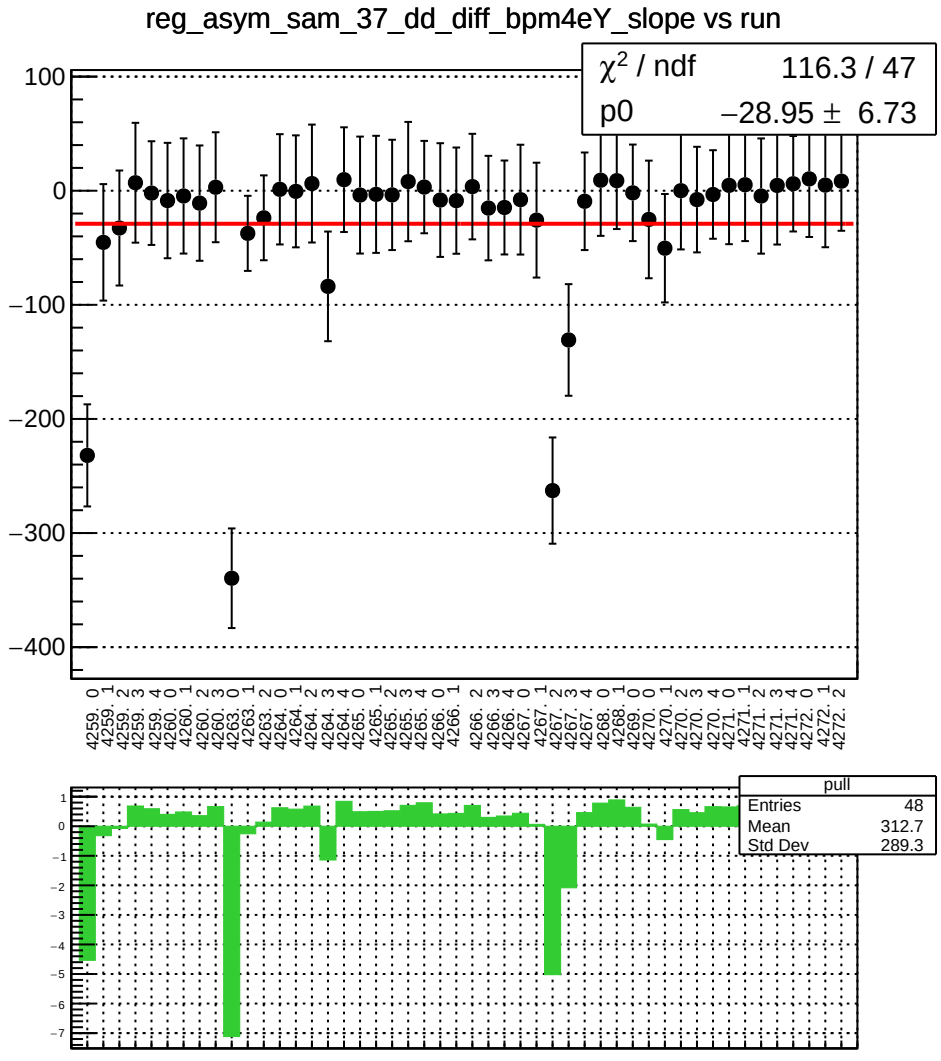

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 1.674 / 47
p0 2.371 ± 0.9135
pull
Entries 48
Mean 13.07
Std Dev 46.02
pull1D
Entries 48
Mean 0.00472
Std Dev 0.1867

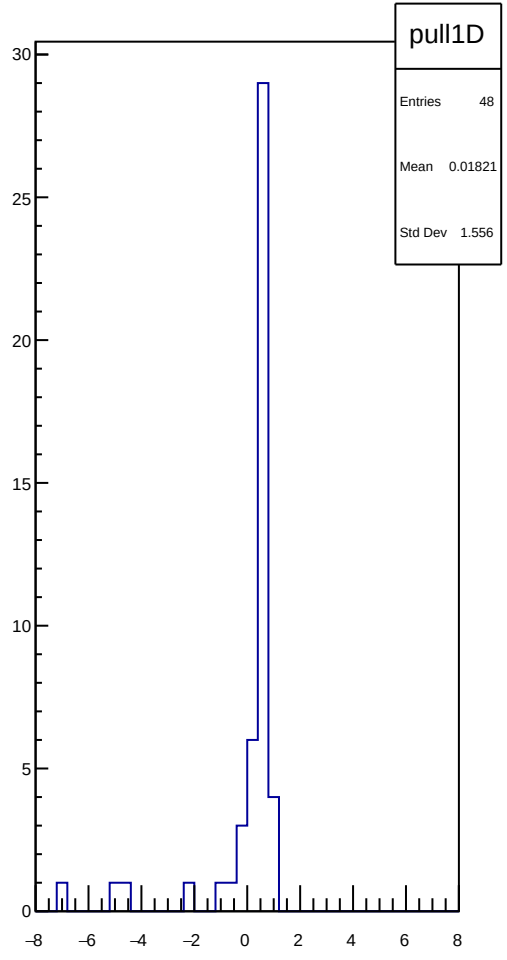

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.706 / 47
p0 118.4 ± 5.568
pull
Entries 48
Mean −617.2
Std Dev 641.4

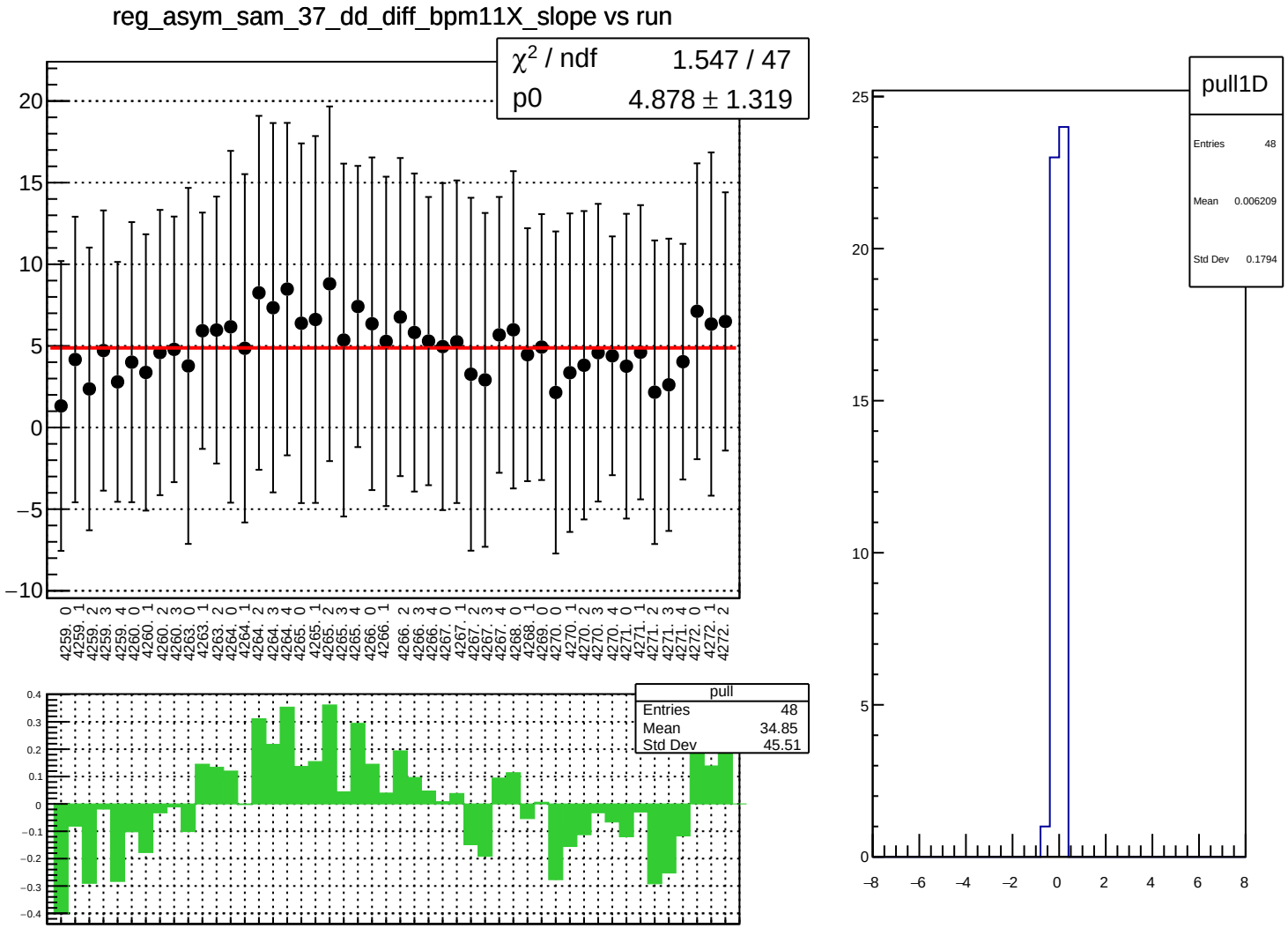

pull1D
Entries 48
Mean −0.003592
Std Dev 0.4497

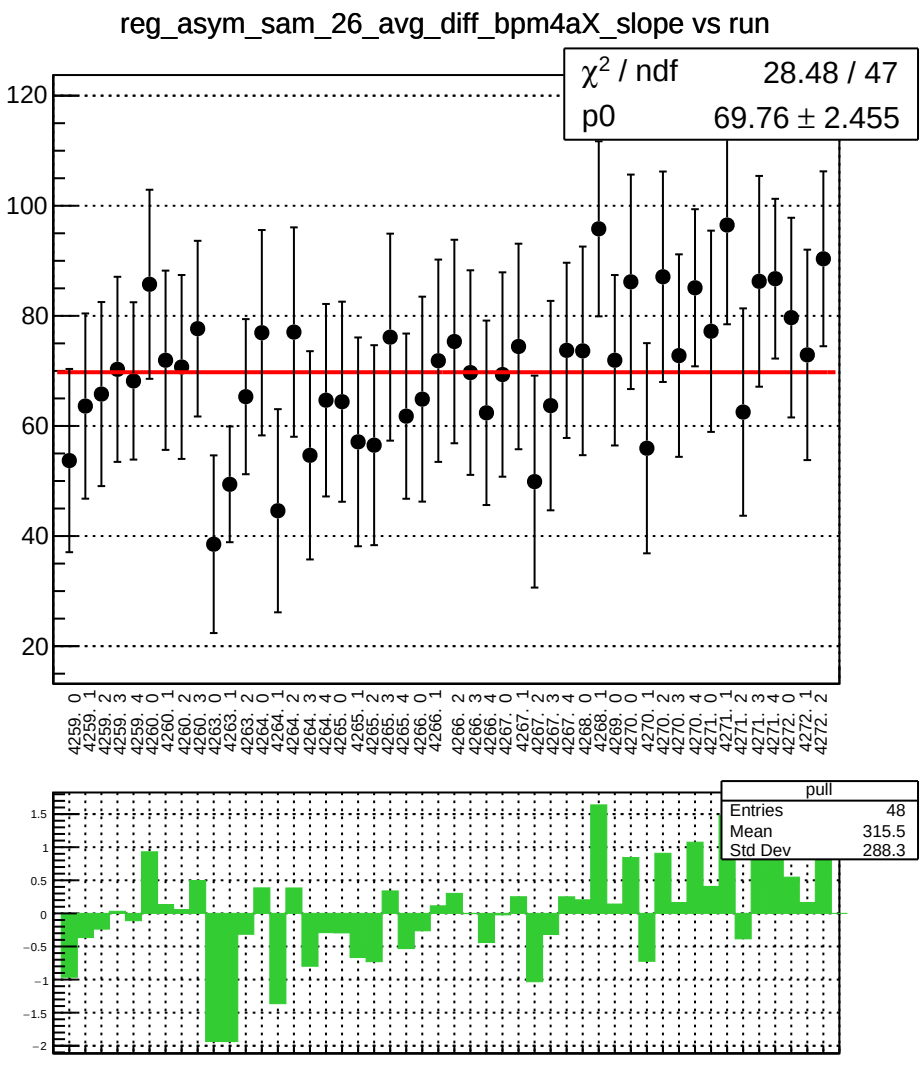

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 108.4 / 47
p0 14.23 ± 3.965
pull
Entries 48
Mean 952.1
Std Dev 929
pull1D
Entries 48
Mean −0.005514
Std Dev 1.503

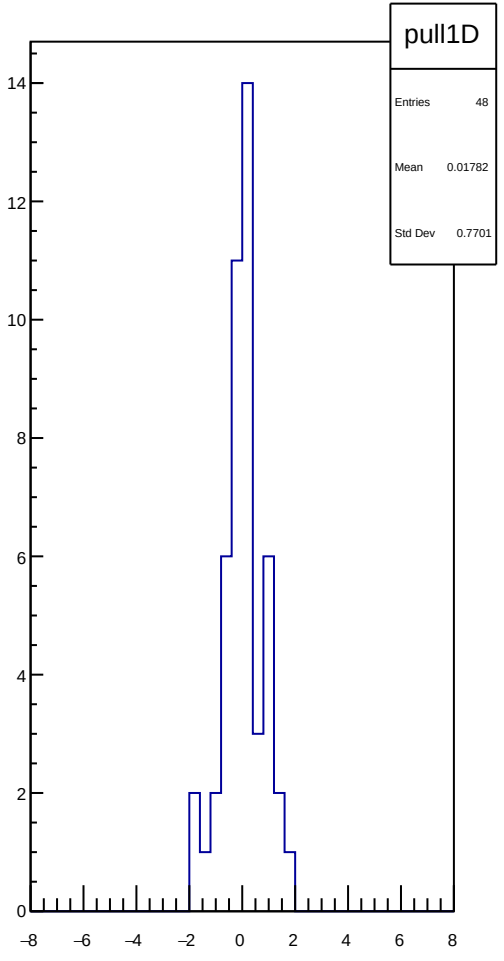

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 129.4 / 47
p0 −594.7 ± 0.9967
−570
−580
−590
−600
−610
−620
pull
Entries 48
Mean 518.1
Std Dev 499.3
pull1D
Entries 48
Mean −0.03055
Std Dev 1.641

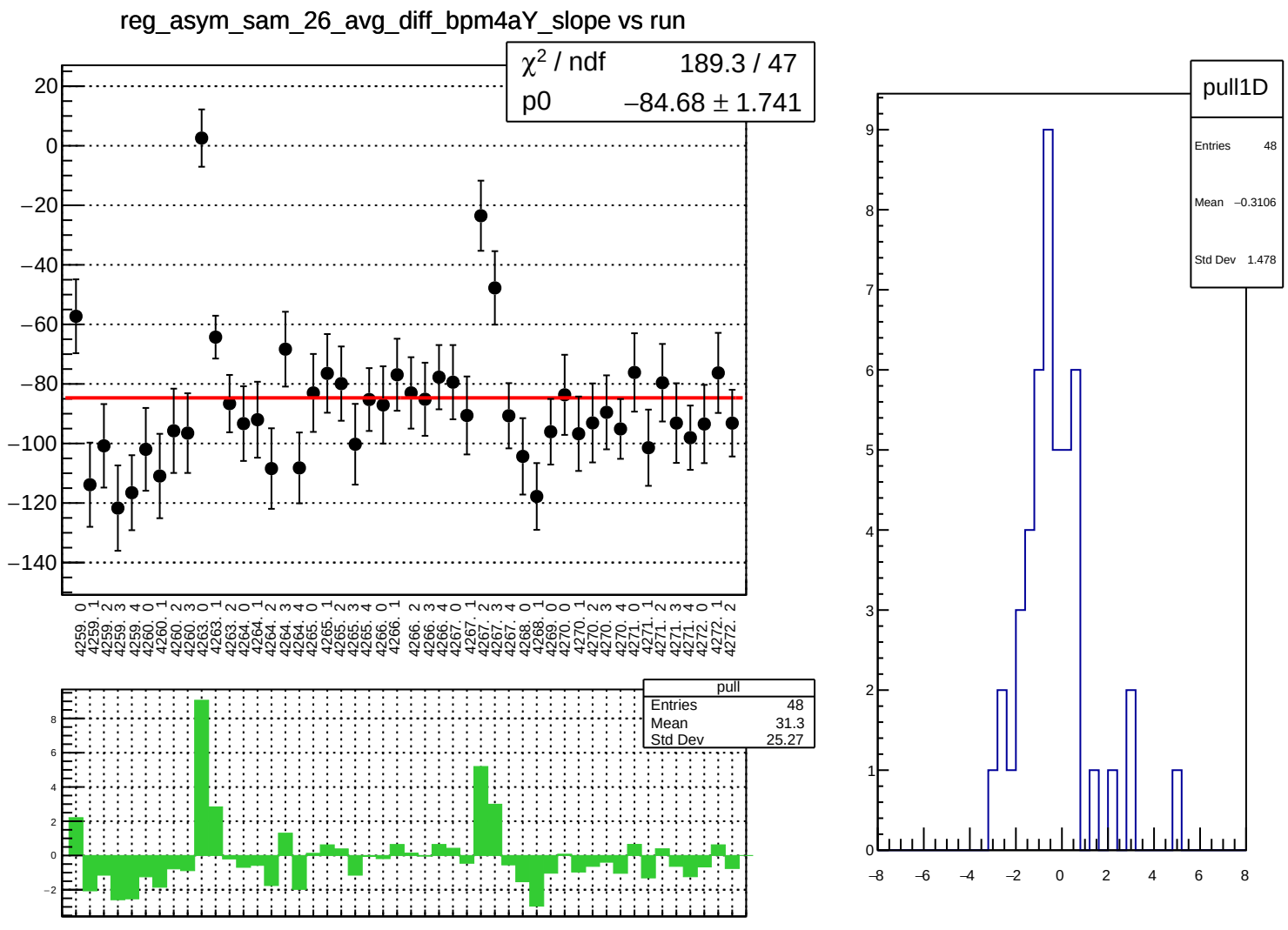

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 116.3 / 47
p0 −28.95 ± 6.73
pull
Entries 48
Mean 312.7
Std Dev 289.3

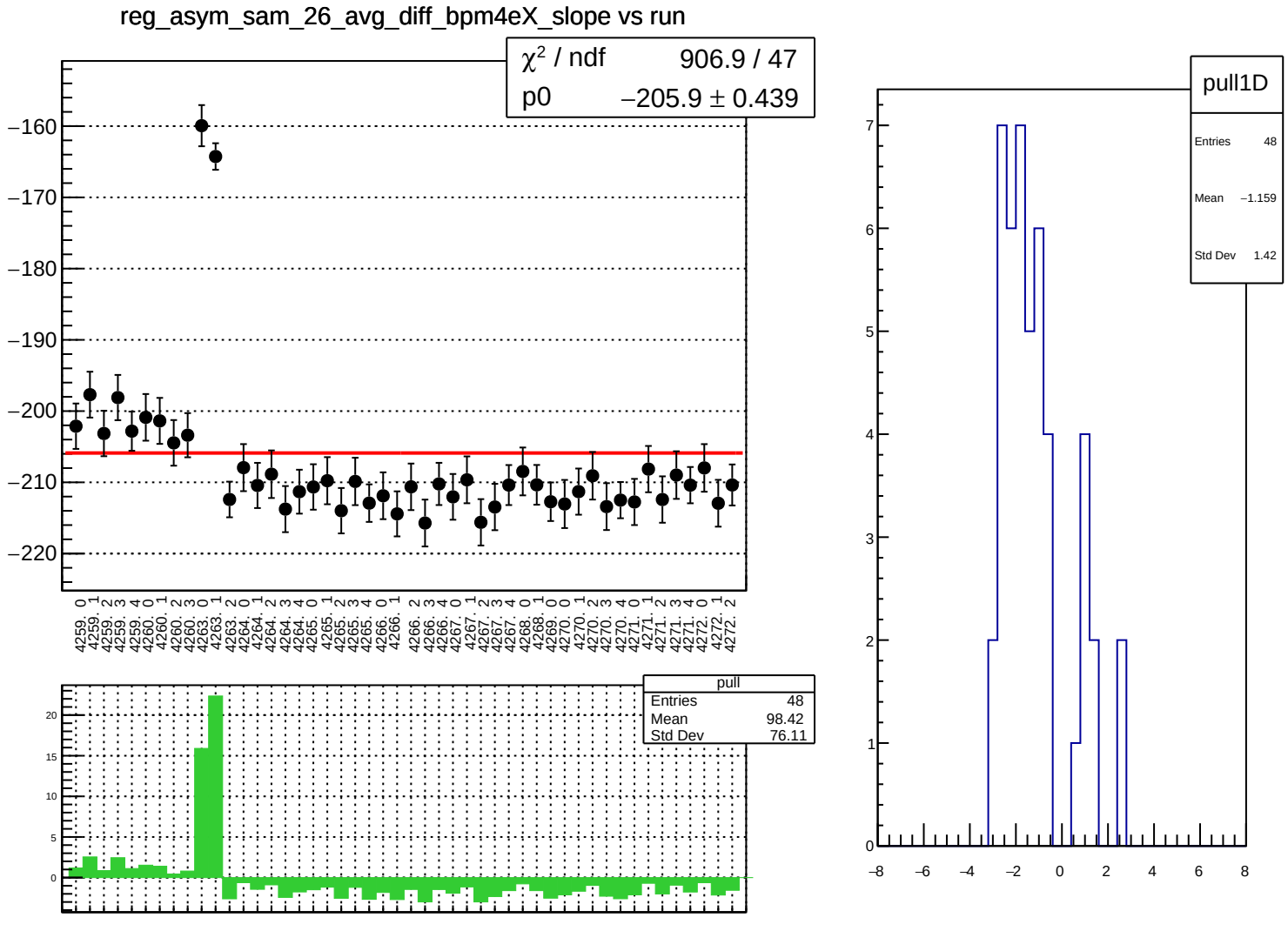

pull1D
Entries 48
Mean 0.01821
Std Dev 1.556

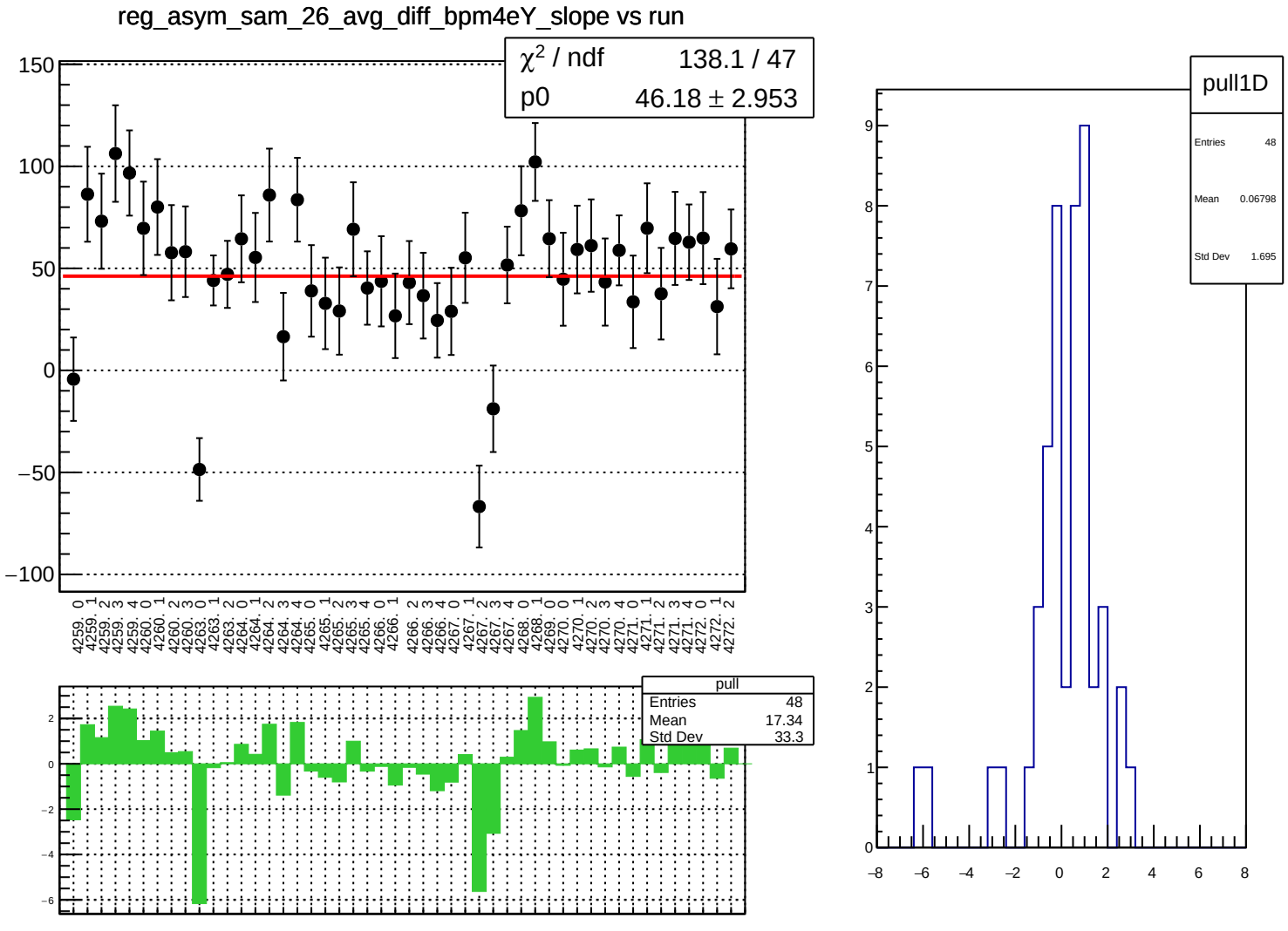

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 1.547 / 47
p0 4.878 ± 1.319
pull
Entries 48
Mean 34.85
Std Dev 45.51
pull1D
Entries 48
Mean 0.006209
Std Dev 0.1794

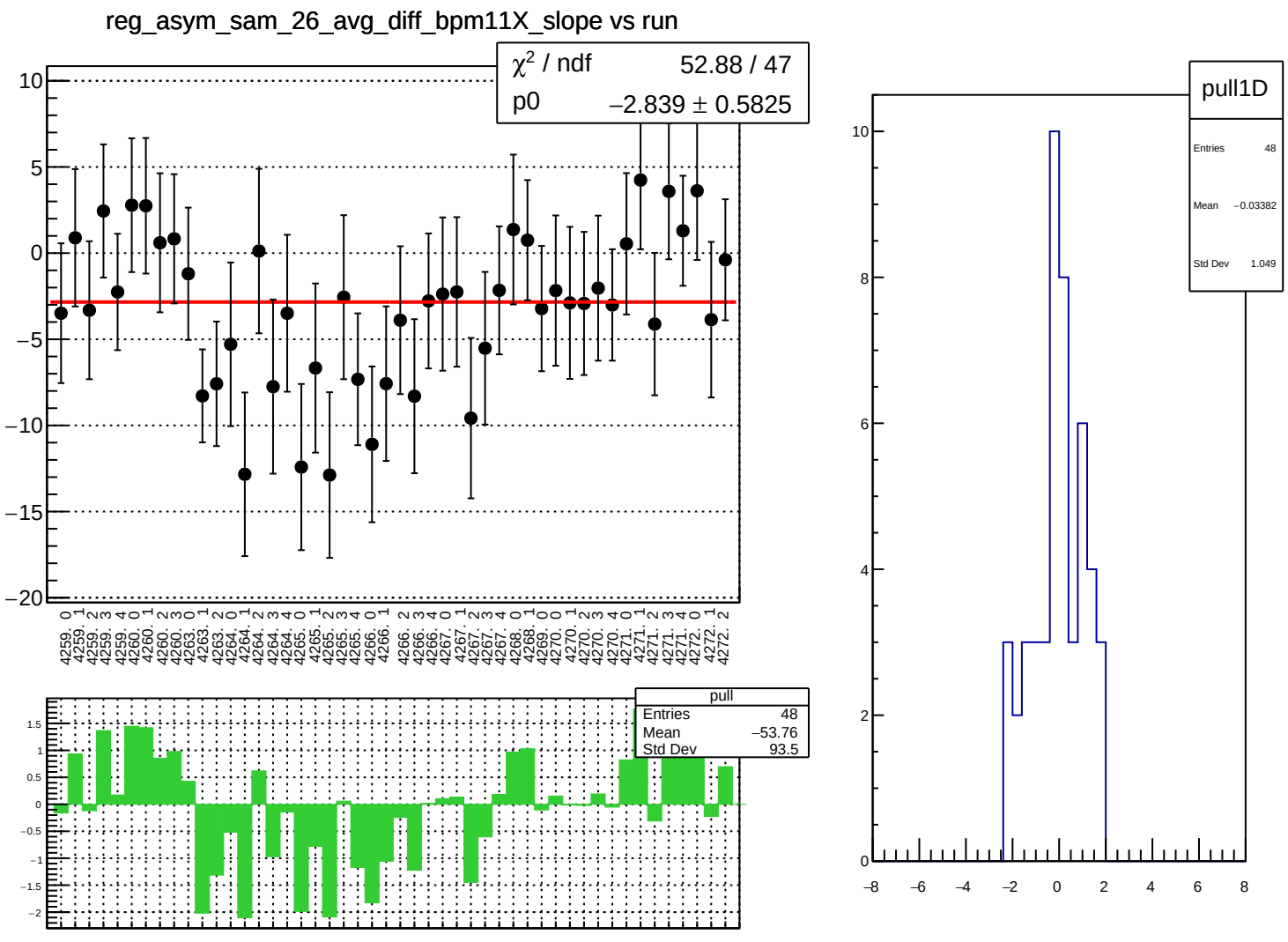

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 28.48 / 47
p0 69.76 ± 2.455
pull
Entries 48
Mean 315.5
Std Dev 288.3

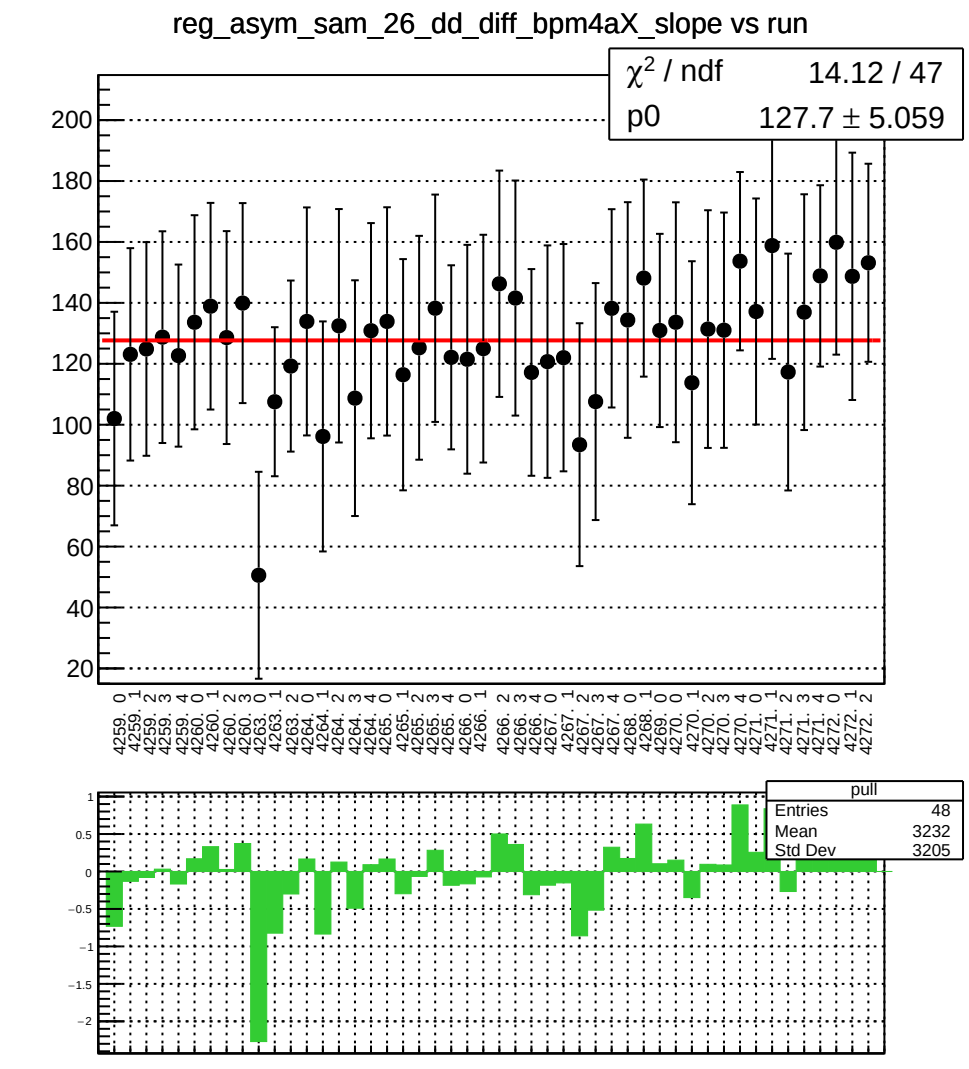

pull1D
Entries 48
Mean 0.01782
Std Dev 0.7701

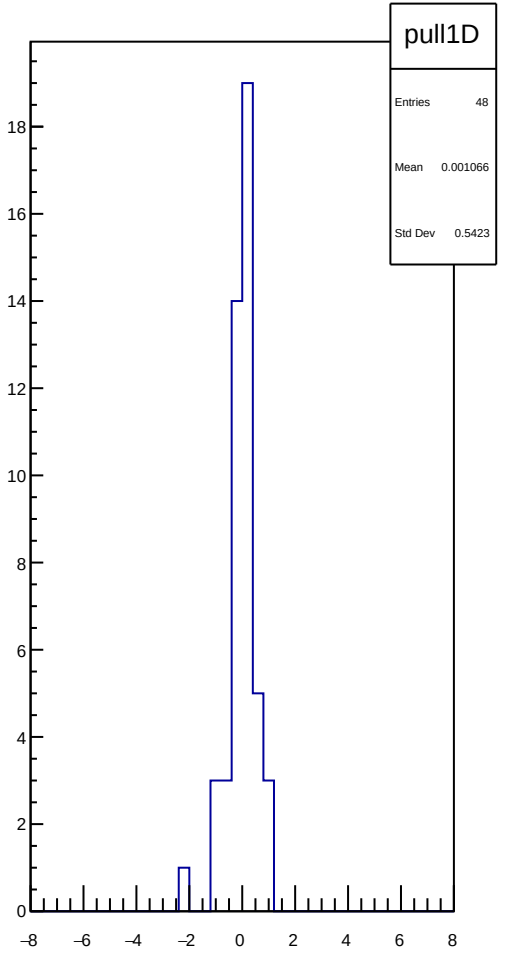

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 189.3 / 47
p0 −84.68 ± 1.741
pull
Entries 48
Mean 31.3
Std Dev 25.27
pull1D
Entries 48
Mean −0.3106
Std Dev 1.478

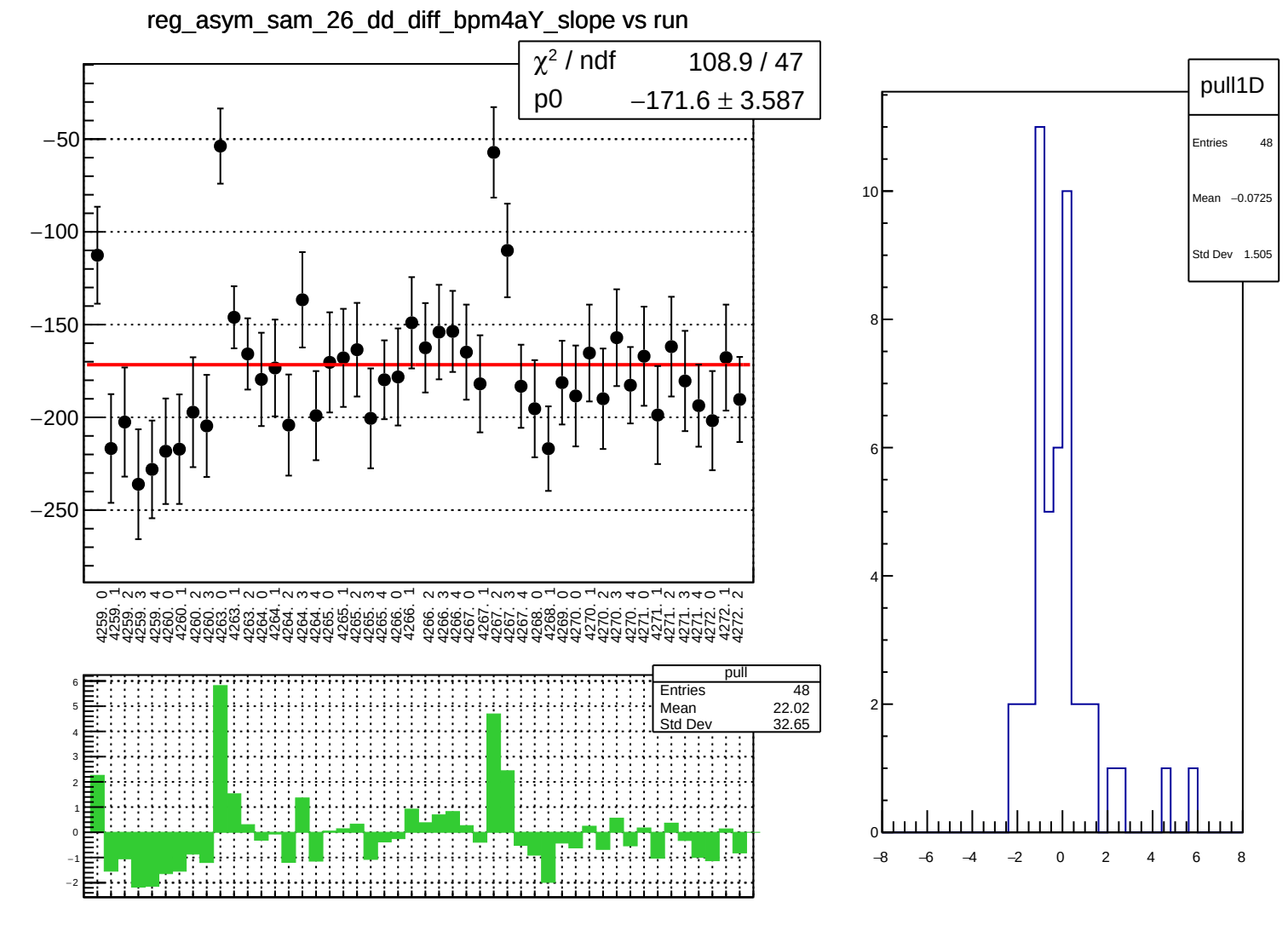

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 906.9 / 47
p0 −205.9 ± 0.439
pull
Entries 48
Mean 98.42
Std Dev 76.11
pull1D
Entries 48
Mean −1.159
Std Dev 1.42

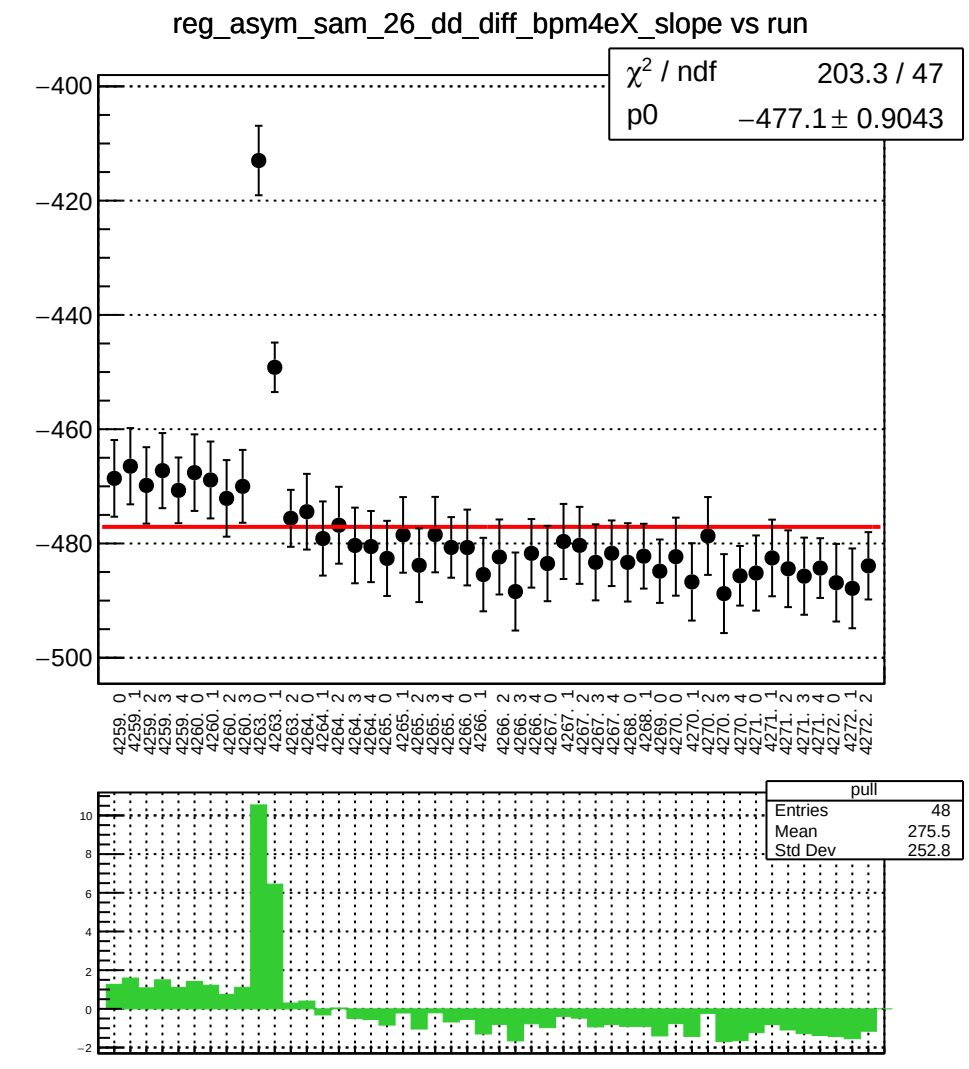

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 138.1 / 47
p0 46.18 ± 2.953
150
100
50
0
−50
−100
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 17.34
Std Dev 33.3
2
0
−2
−4
−6
pull1D
Entries 48
Mean 0.06798
Std Dev 1.695
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

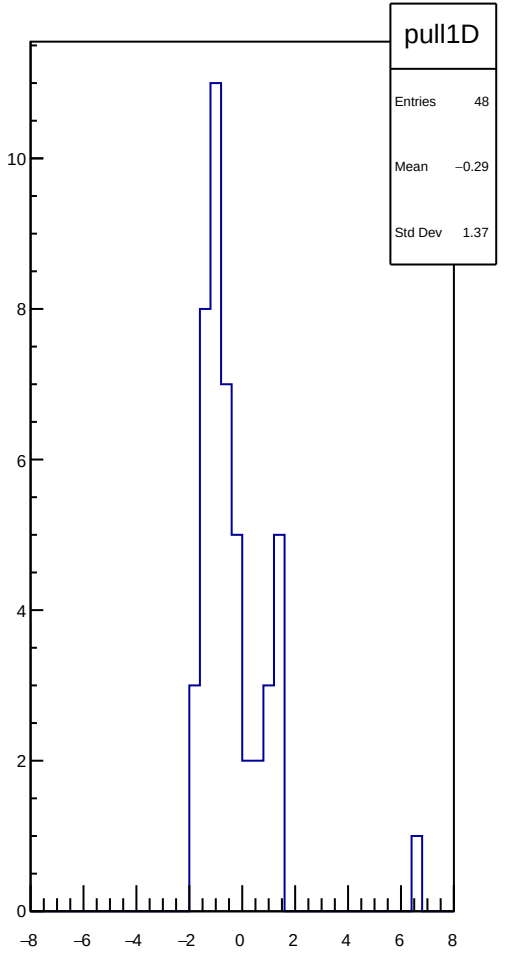

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 52.88 / 47
p0 −2.839 ± 0.5825
pull
Entries 48
Mean −53.76
Std Dev 93.5
pull1D
Entries 48
Mean −0.03382
Std Dev 1.049

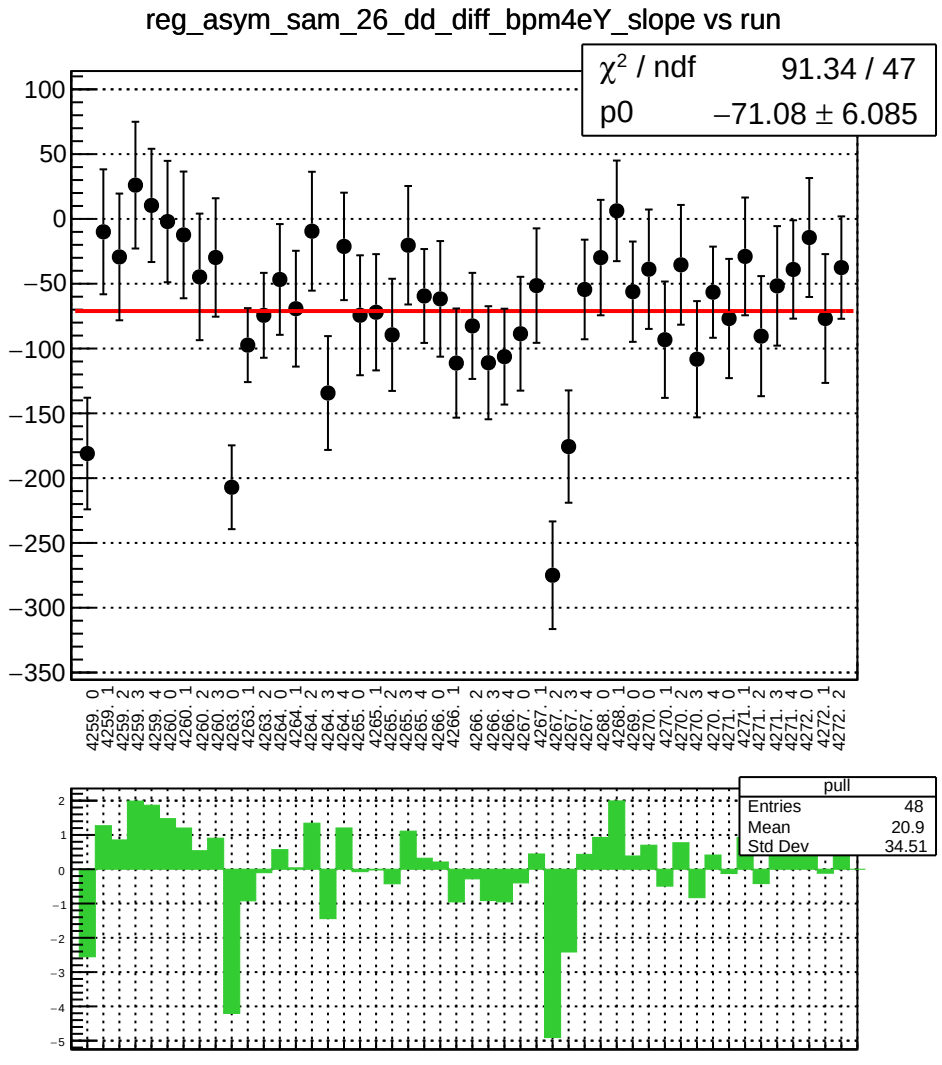

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.12 / 47
p0 127.7 ± 5.059
pull
Entries 48
Mean 3232
Std Dev 3205

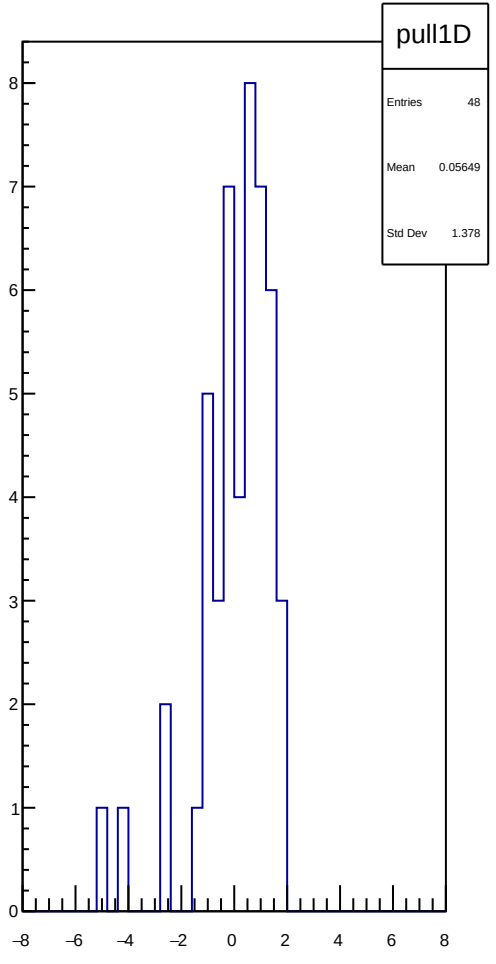

pull1D
Entries 48
Mean 0.001066
Std Dev 0.5423

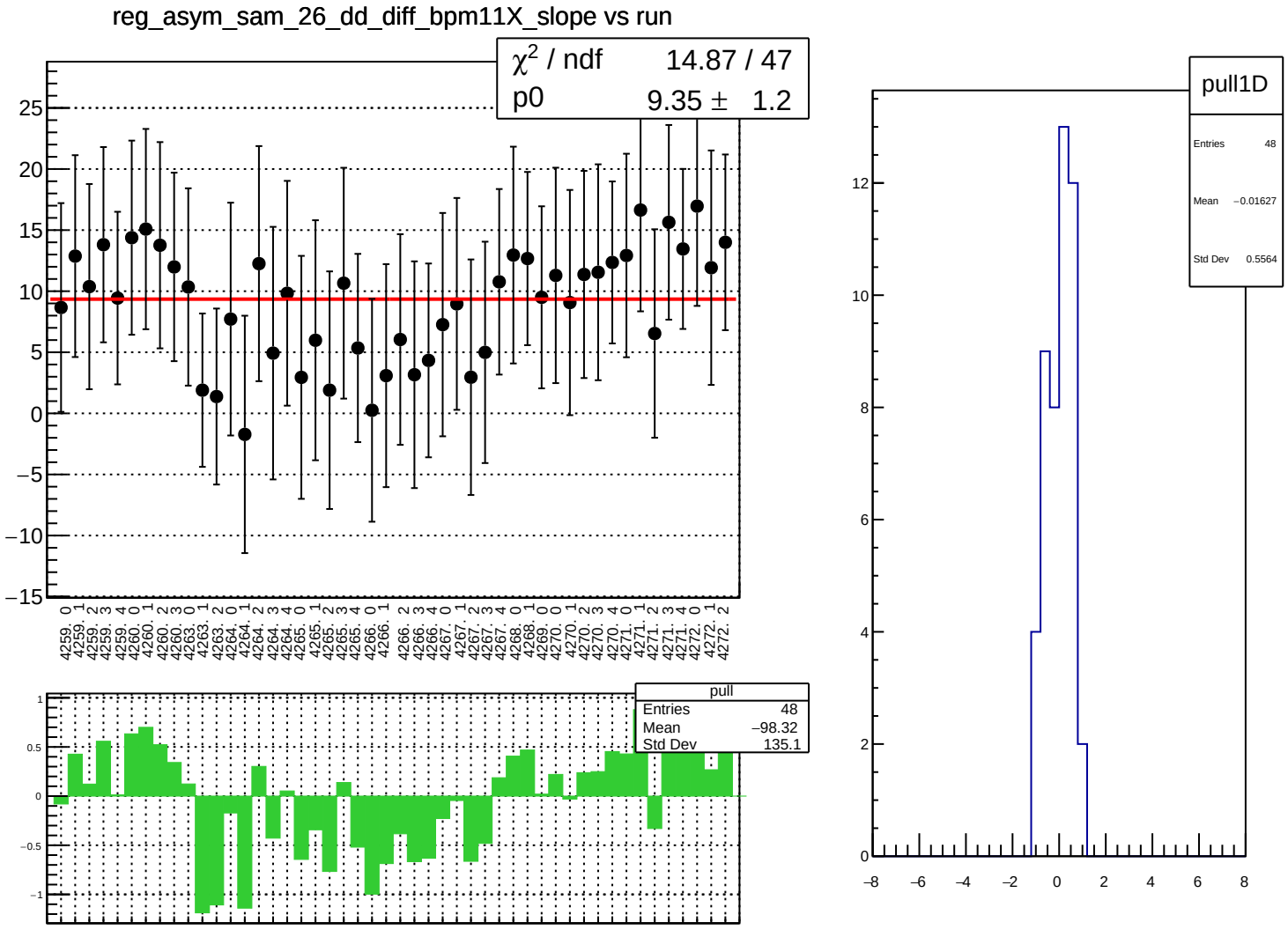

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 108.9 / 47
p0 −171.6 ± 3.587
pull
Entries 48
Mean 22.02
Std Dev 32.65
pull1D
Entries 48
Mean −0.0725
Std Dev 1.505

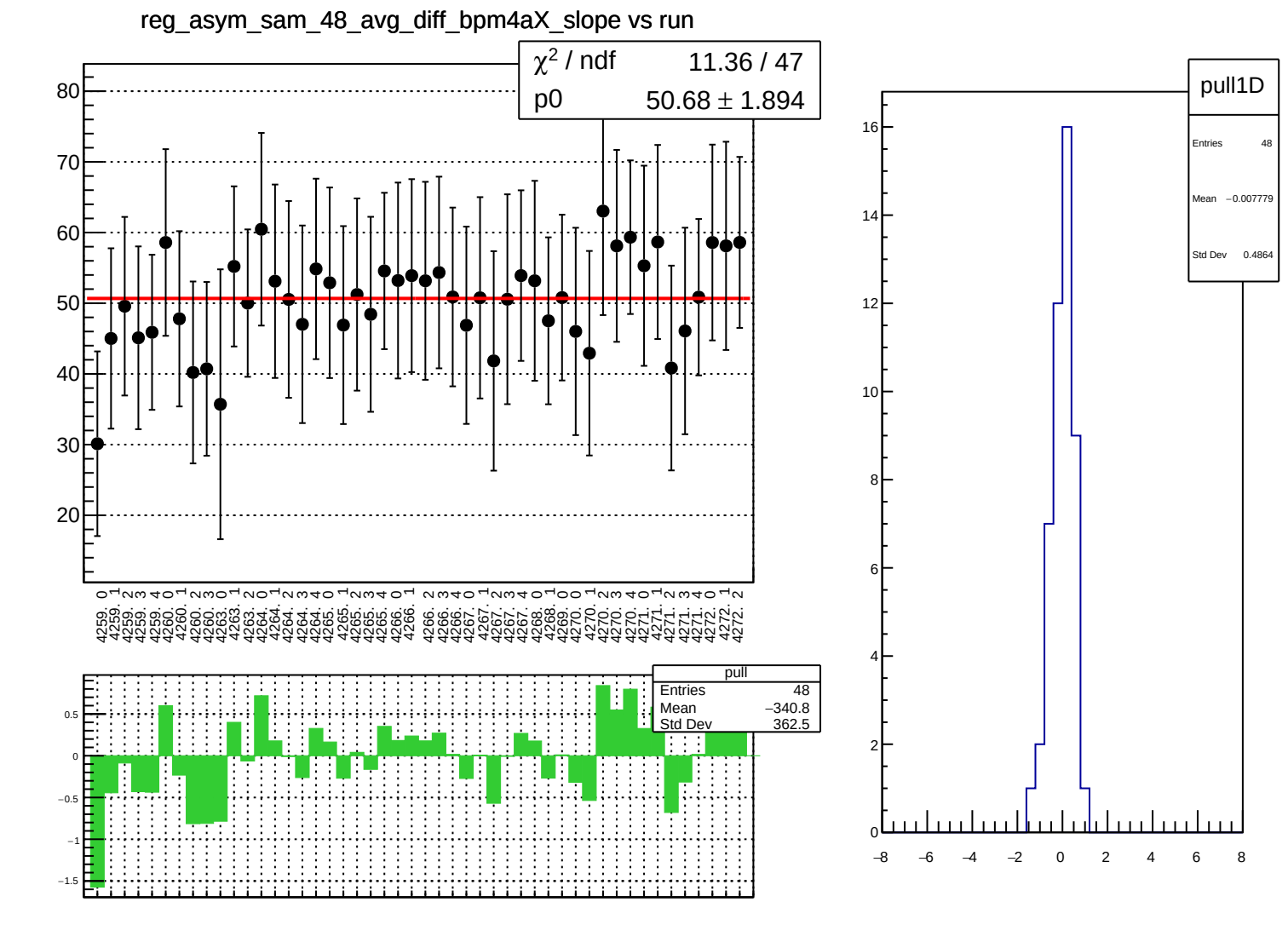

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 203.3 / 47
p0 −477.1 ± 0.9043
−400
−420
−440
−460
−480
−500
pull
Entries 48
Mean 275.5
Std Dev 252.8
10
8
6
4
2
0
−2

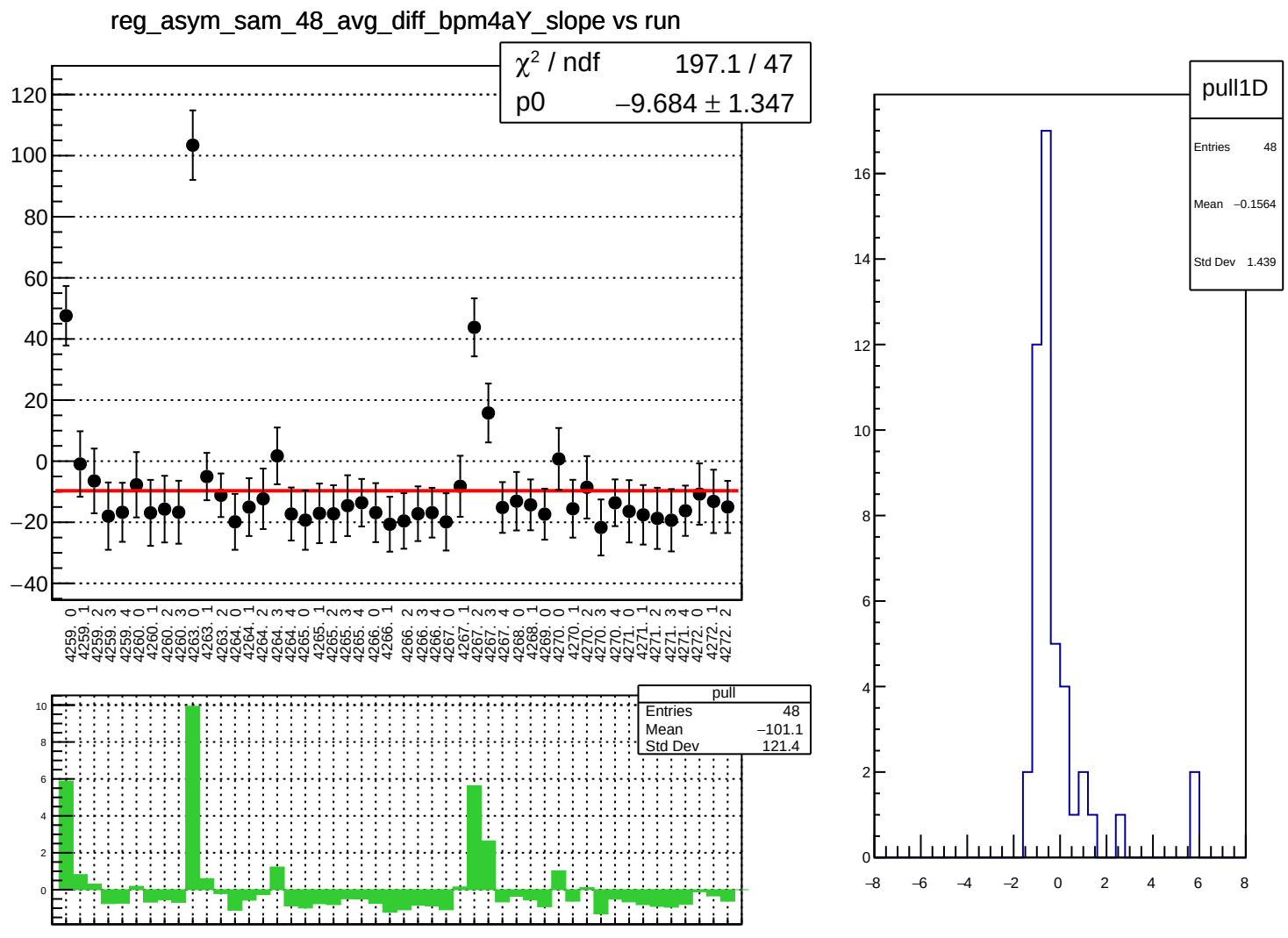

pull1D
Entries 48
Mean −0.29
Std Dev 1.37
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

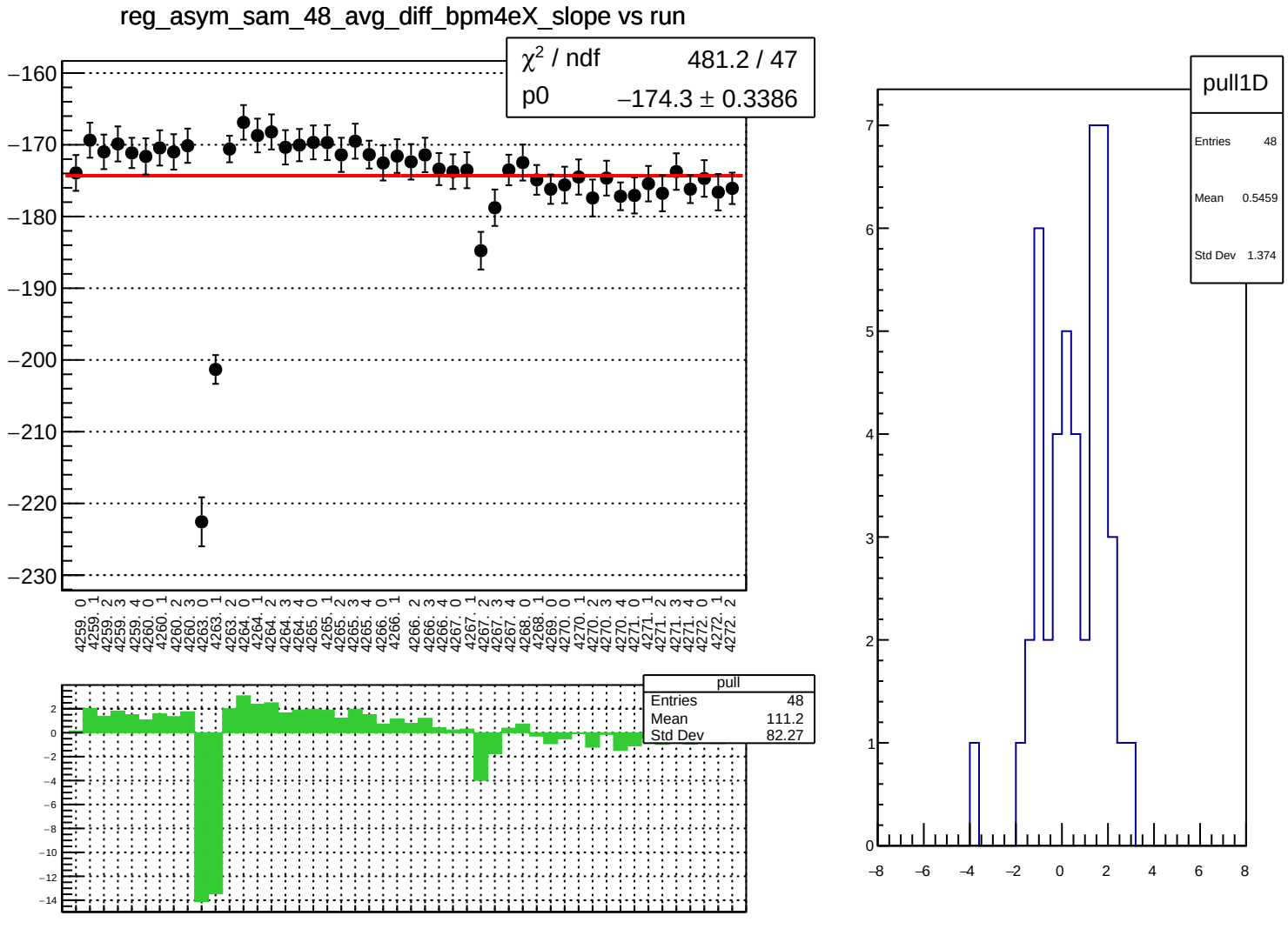

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.34 / 47
p0 −71.08 ± 6.085
pull
Entries 48
Mean 20.9
Std Dev 34.51

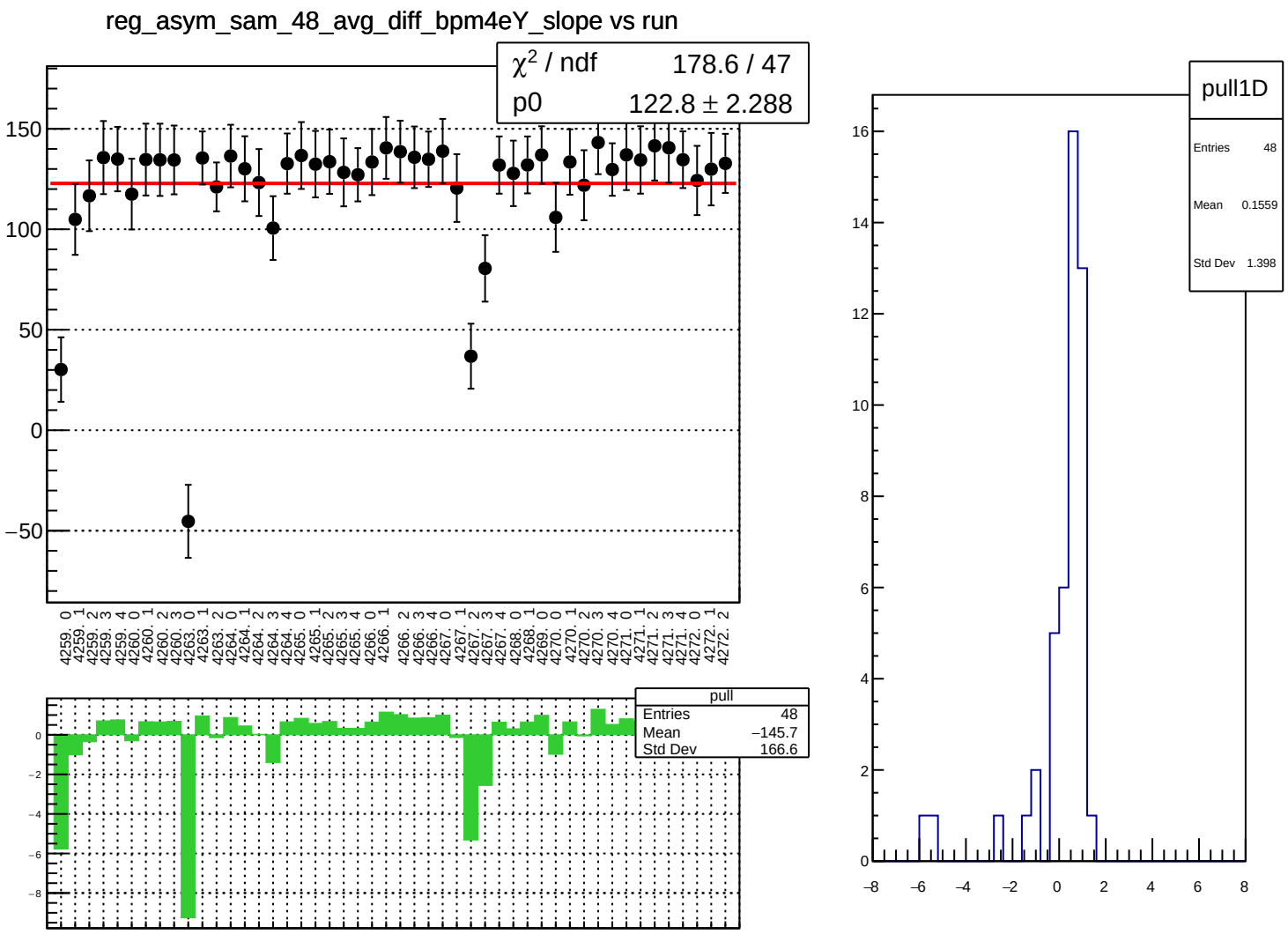

pull1D
Entries 48
Mean 0.05649
Std Dev 1.378

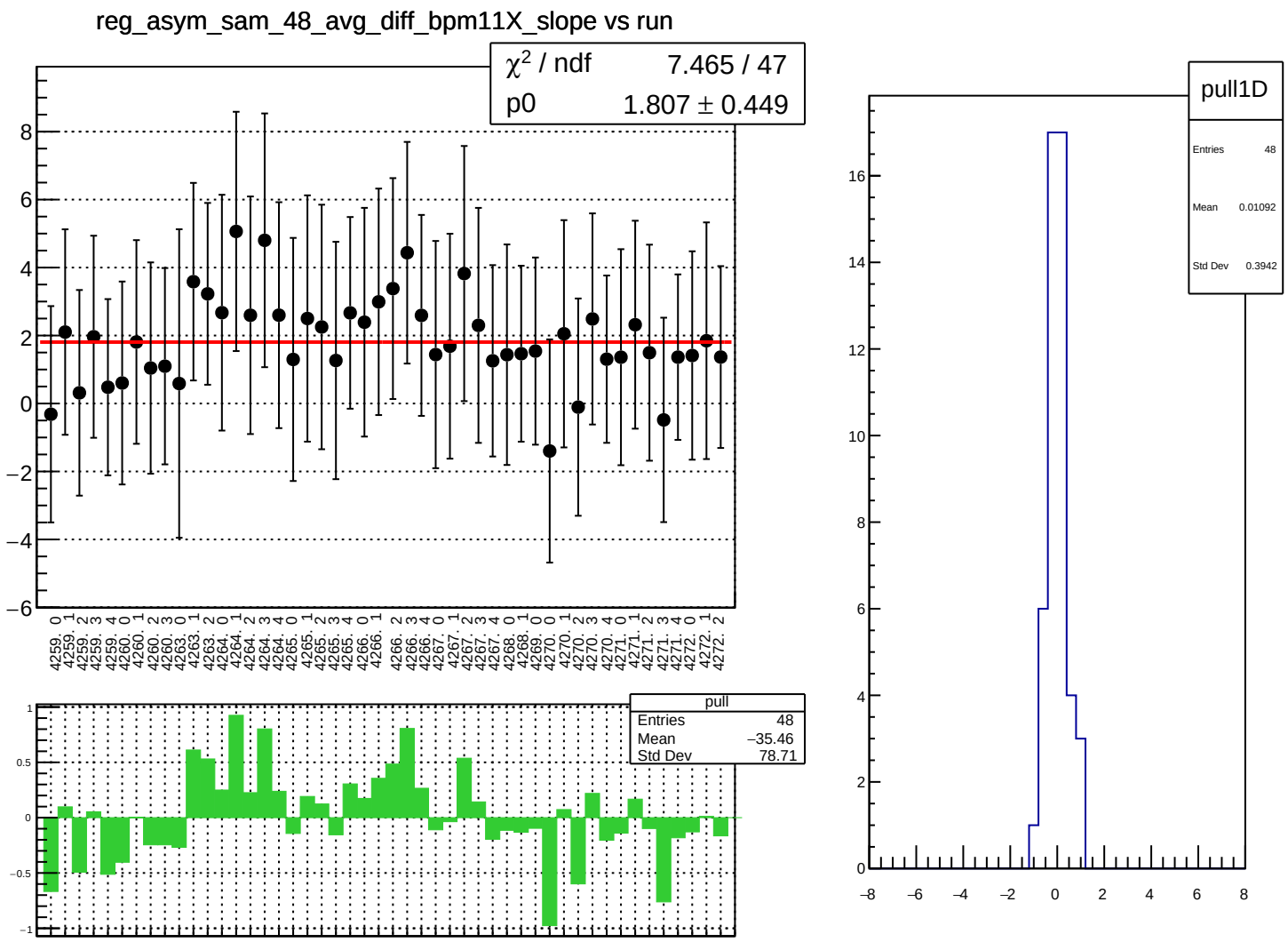

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 14.87 / 47
p0 9.35 ± 1.2
pull
Entries 48
Mean −98.32
Std Dev 135.1
pull1D
Entries 48
Mean −0.01627
Std Dev 0.5564

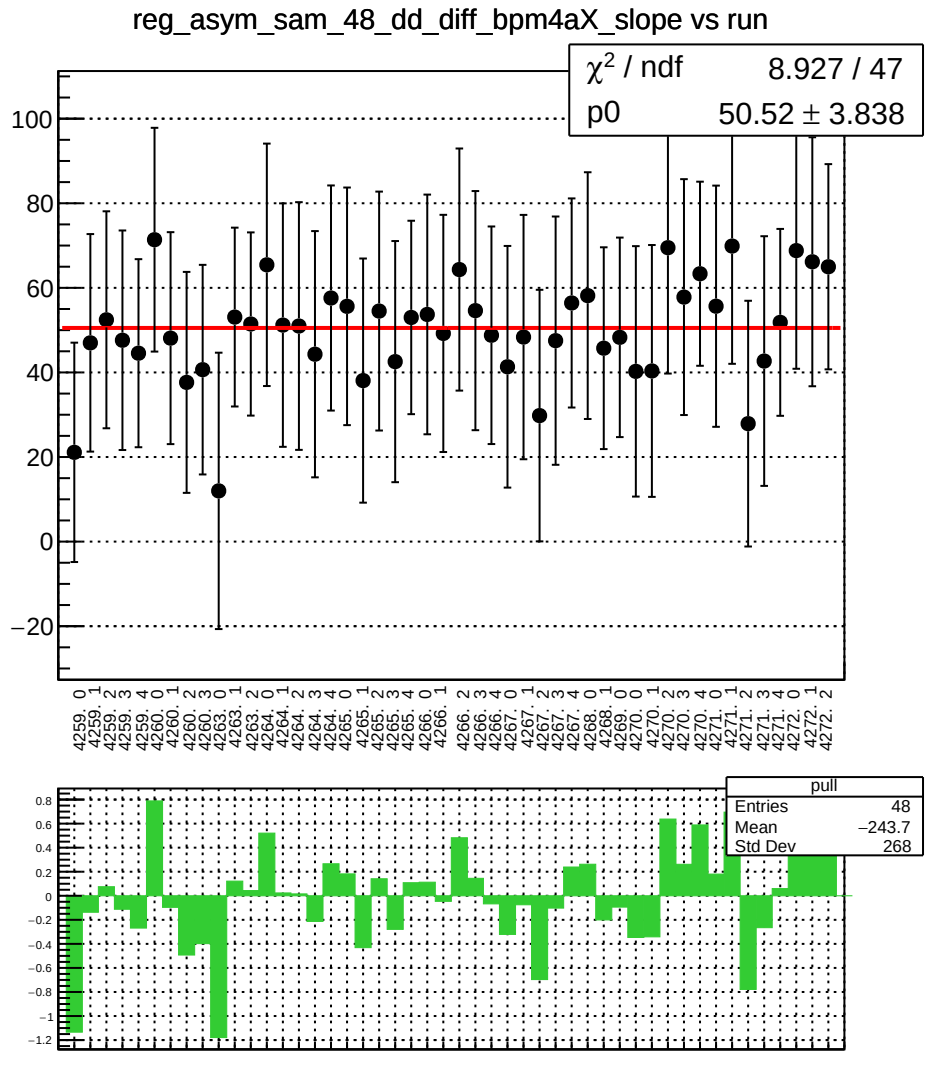

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 11.36 / 47
p0 50.68 ± 1.894
pull
Entries 48
Mean −340.8
Std Dev 362.5
pull1D
Entries 48
Mean −0.007779
Std Dev 0.4864

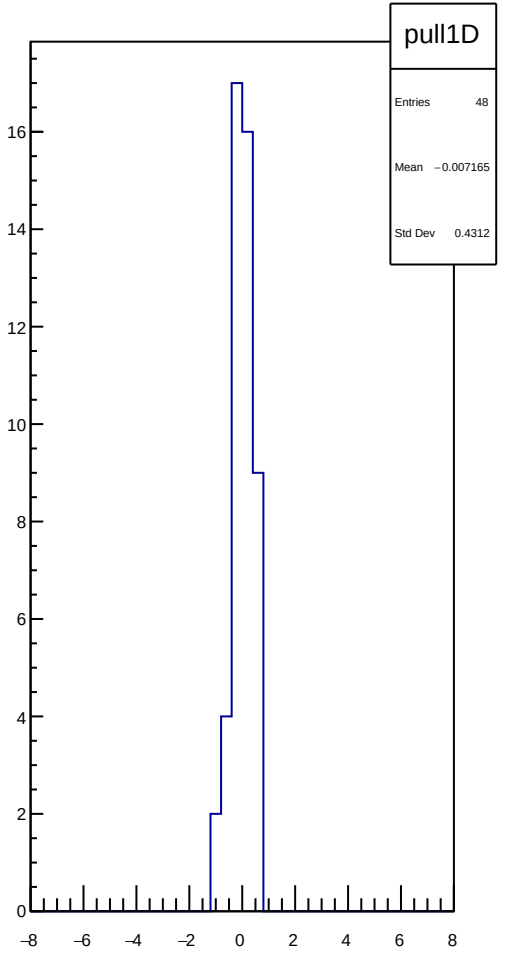

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 197.1 / 47
p0 −9.684 ± 1.347
pull
Entries 48
Mean −101.1
Std Dev 121.4
pull1D
Entries 48
Mean −0.1564
Std Dev 1.439

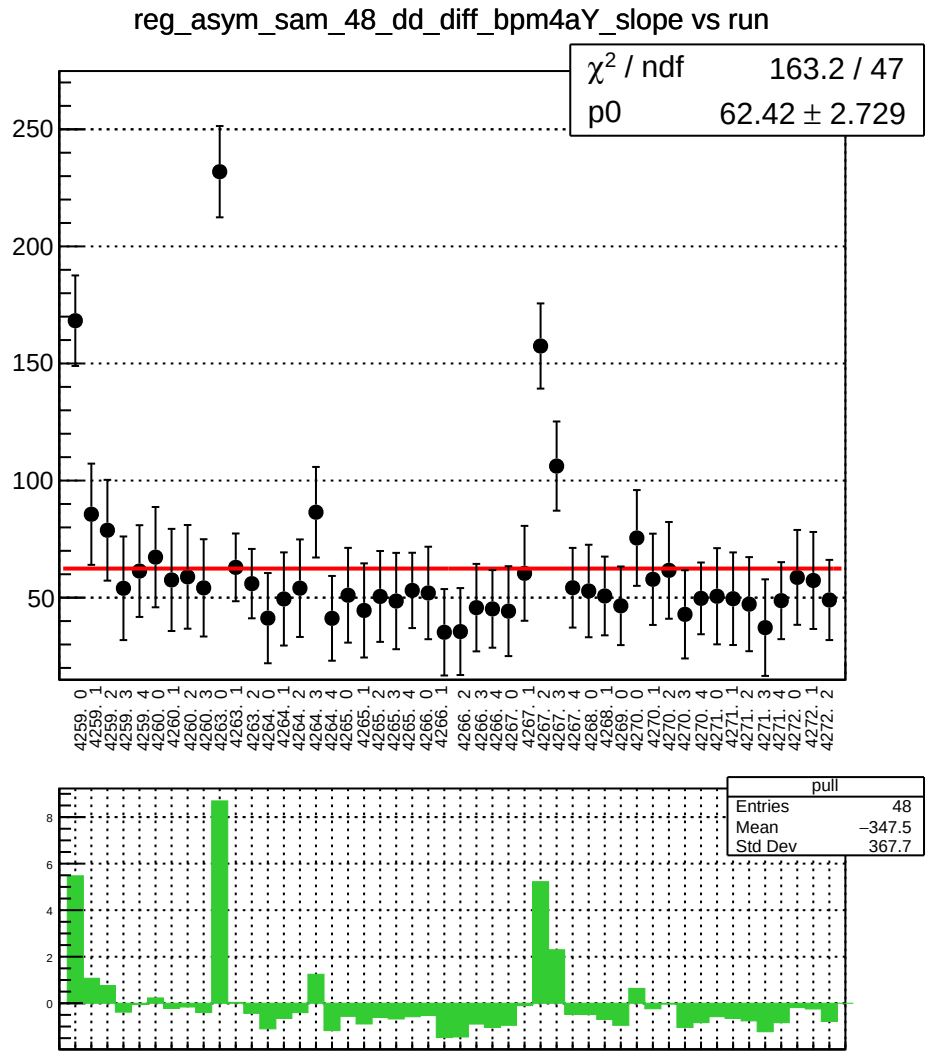

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 481.2 / 47
p0 −174.3 ± 0.3386
pull
Entries 48
Mean 111.2
Std Dev 82.27
pull1D
Entries 48
Mean 0.5459
Std Dev 1.374

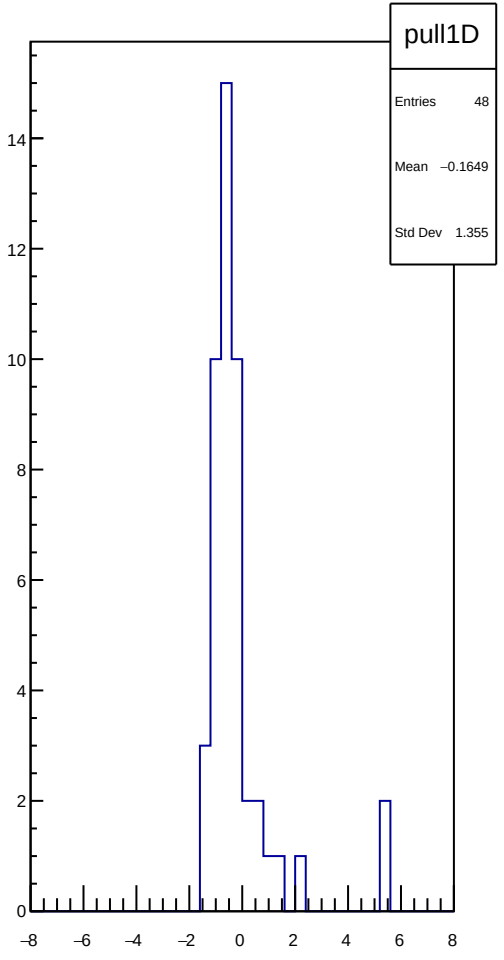

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 178.6 / 47
p0 122.8 ± 2.288
150
100
50
0
−50
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −145.7
Std Dev 166.6
0
−2
−4
−6
−8
pull1D
Entries 48
Mean 0.1559
Std Dev 1.398
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

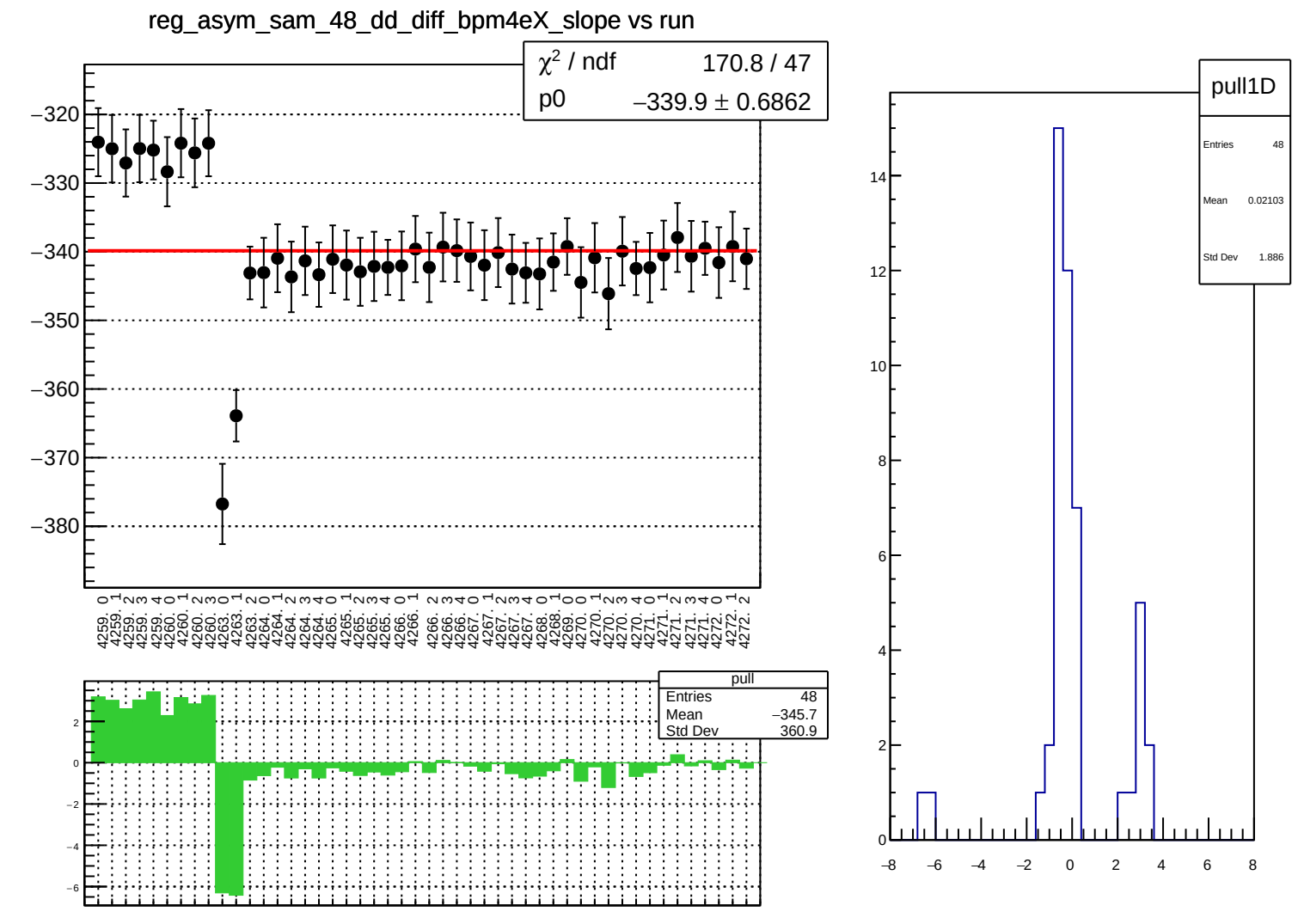

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 7.465 / 47
p0 1.807 ± 0.449
pull
Entries 48
Mean −35.46
Std Dev 78.71
pull1D
Entries 48
Mean 0.01092
Std Dev 0.3942

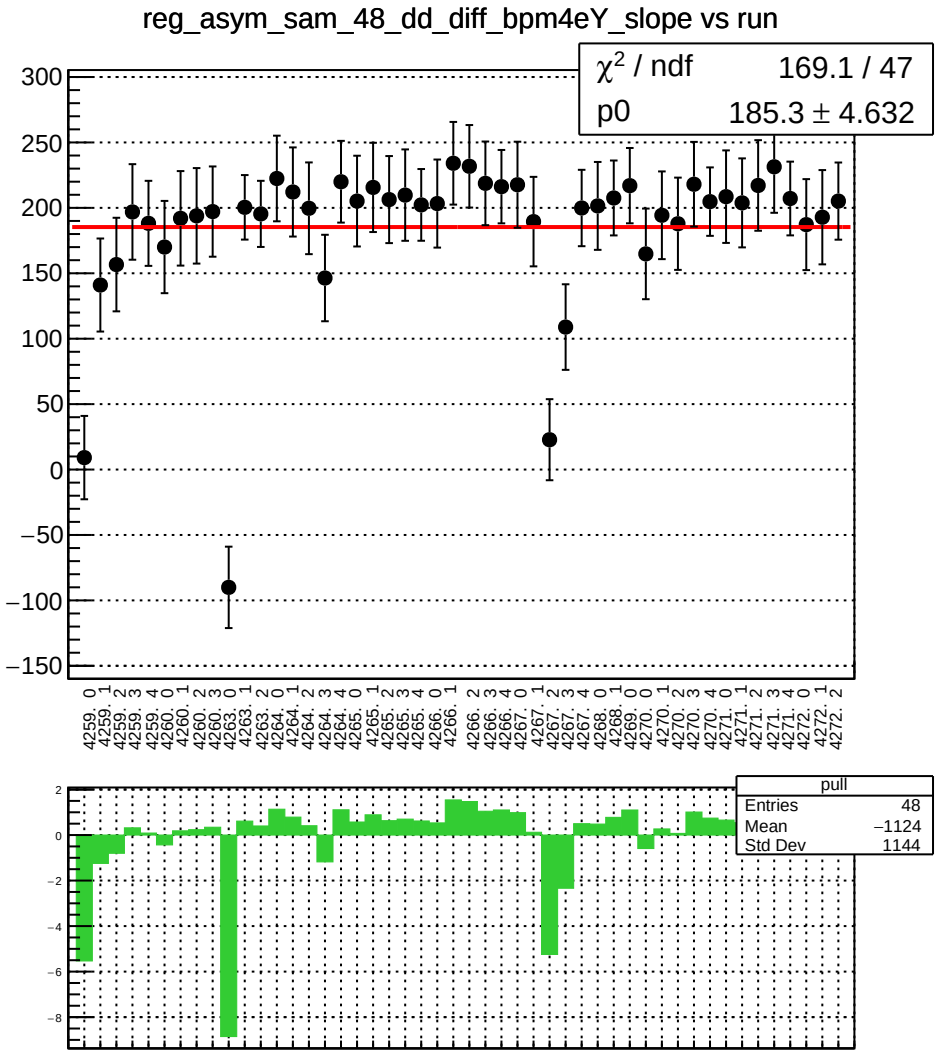

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.927 / 47
p0 50.52 ± 3.838
pull
Entries 48
Mean −243.7
Std Dev 268

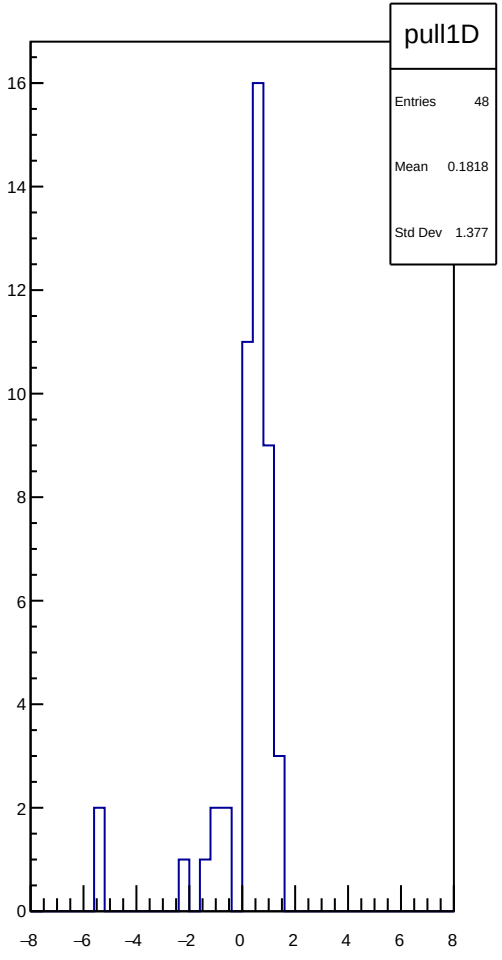

pull1D
Entries 48
Mean −0.007165
Std Dev 0.4312

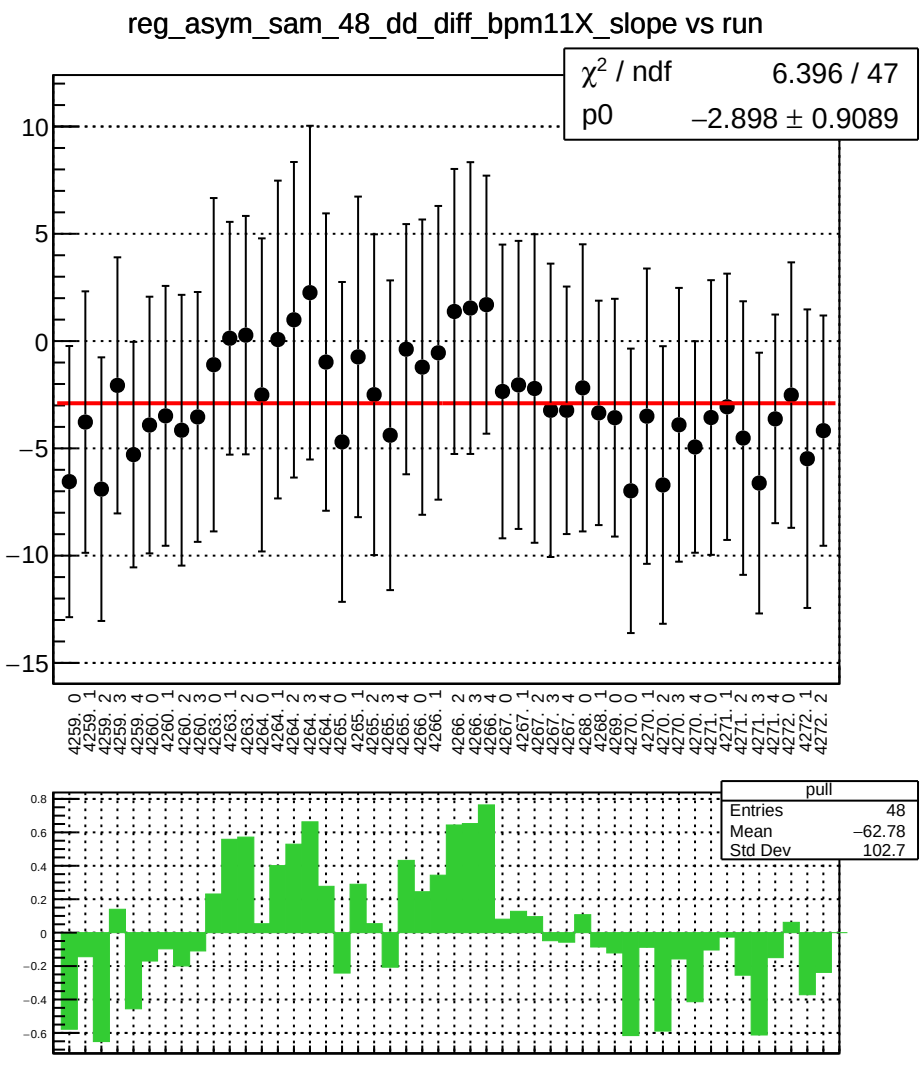

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 163.2 / 47
p0 62.42 ± 2.729
250
200
150
100
50
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4263. 3
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −347.5
Std Dev 367.7
8
6
4
2
0

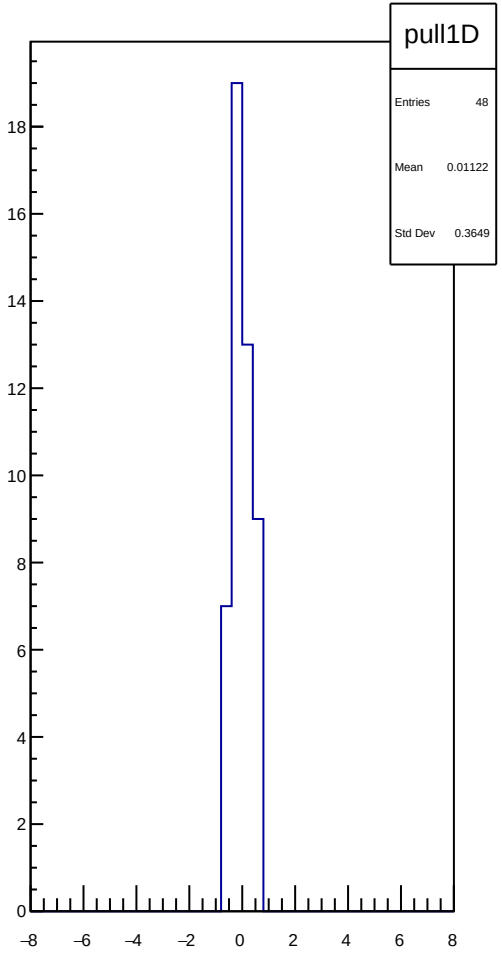

pull1D
Entries 48
Mean −0.1649
Std Dev 1.355
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

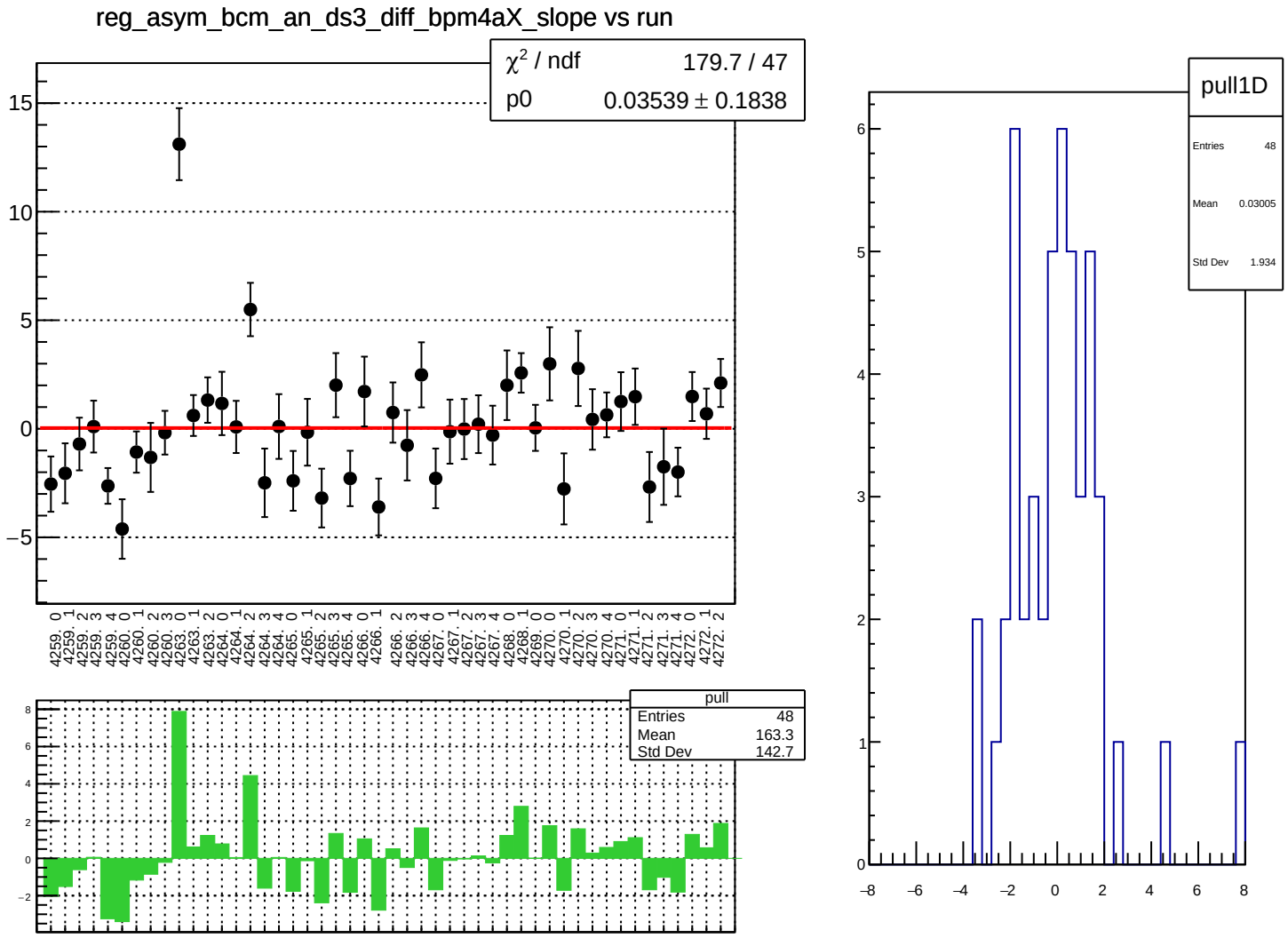

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 170.8 / 47
p0 −339.9 ± 0.6862
−320
−330
−340
−350
−360
−370
−380
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −345.7
Std Dev 360.9
2
0
−2
−4
−6
pull1D
Entries 48
Mean 0.02103
Std Dev 1.886
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

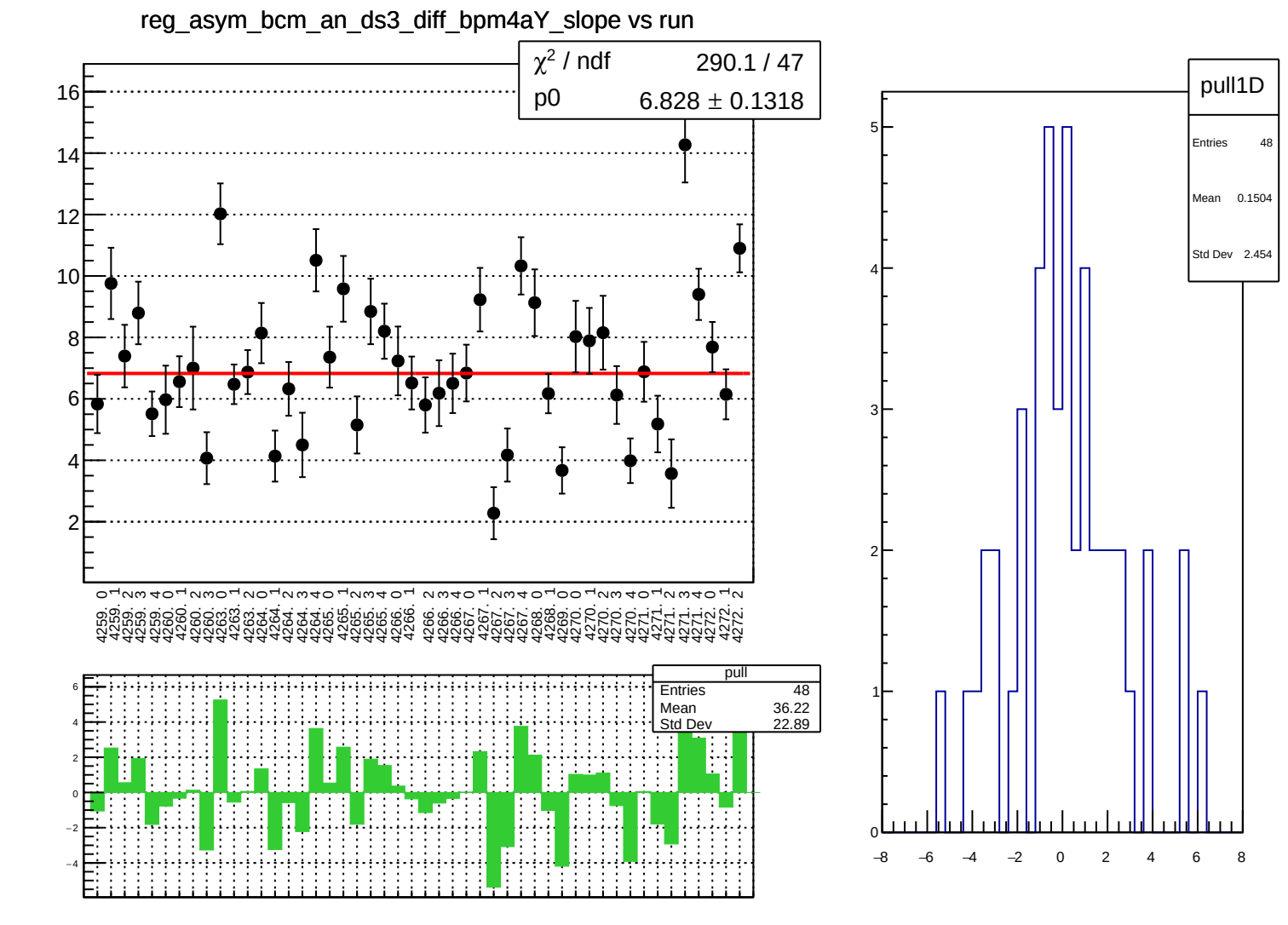

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 169.1 / 47
p0 185.3 ± 4.632
pull
Entries 48
Mean −1124
Std Dev 1144

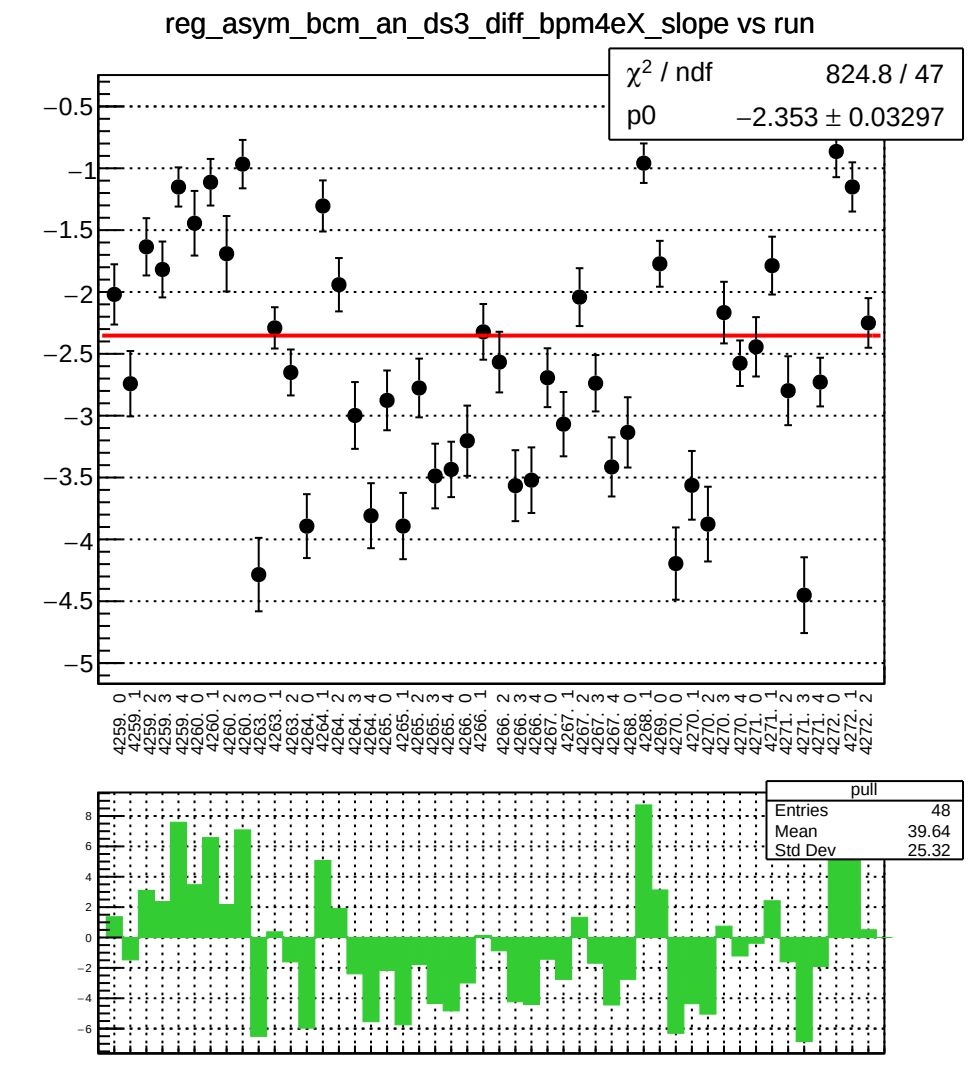

pull1D
Entries 48
Mean 0.1818
Std Dev 1.377

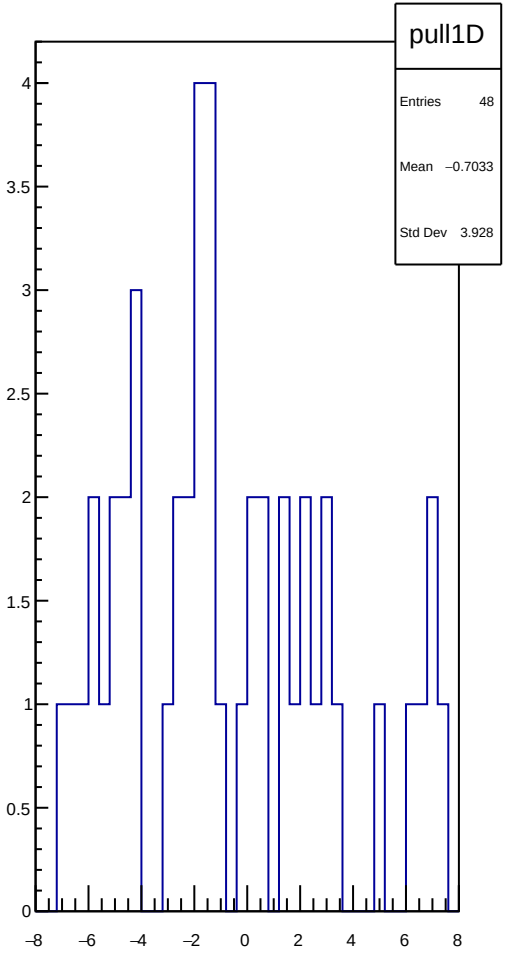

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 6.396 / 47
p0 −2.898 ± 0.9089
pull
Entries 48
Mean −62.78
Std Dev 102.7

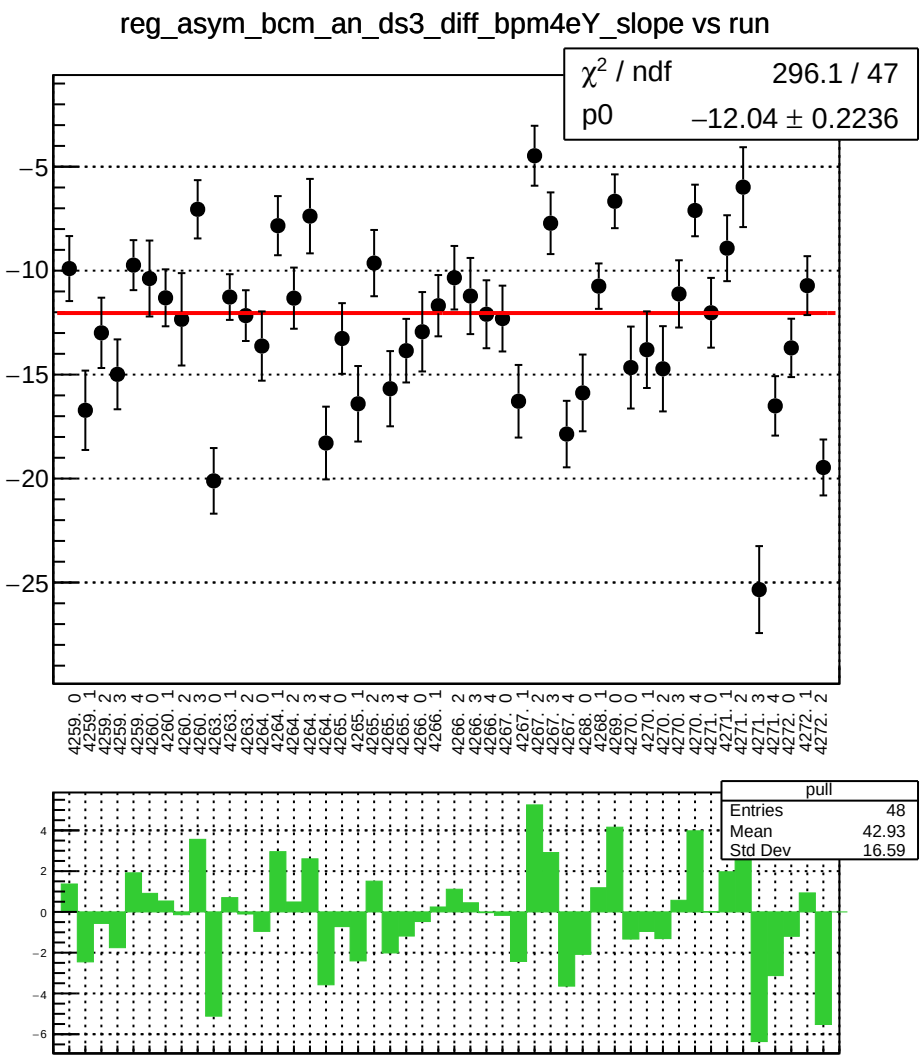

pull1D
Entries 48
Mean 0.01122
Std Dev 0.3649

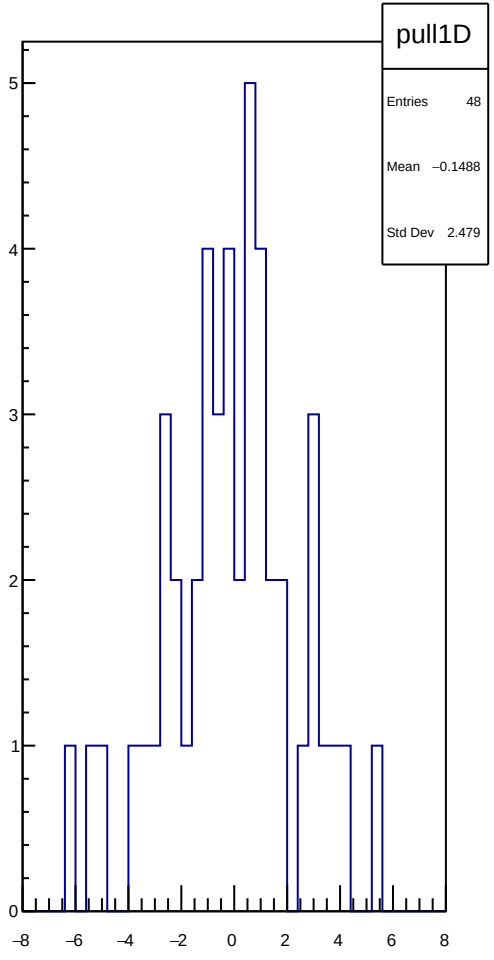

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 179.7 / 47
p0 0.03539 ± 0.1838
pull
Entries 48
Mean 163.3
Std Dev 142.7
pull1D
Entries 48
Mean 0.03005
Std Dev 1.934

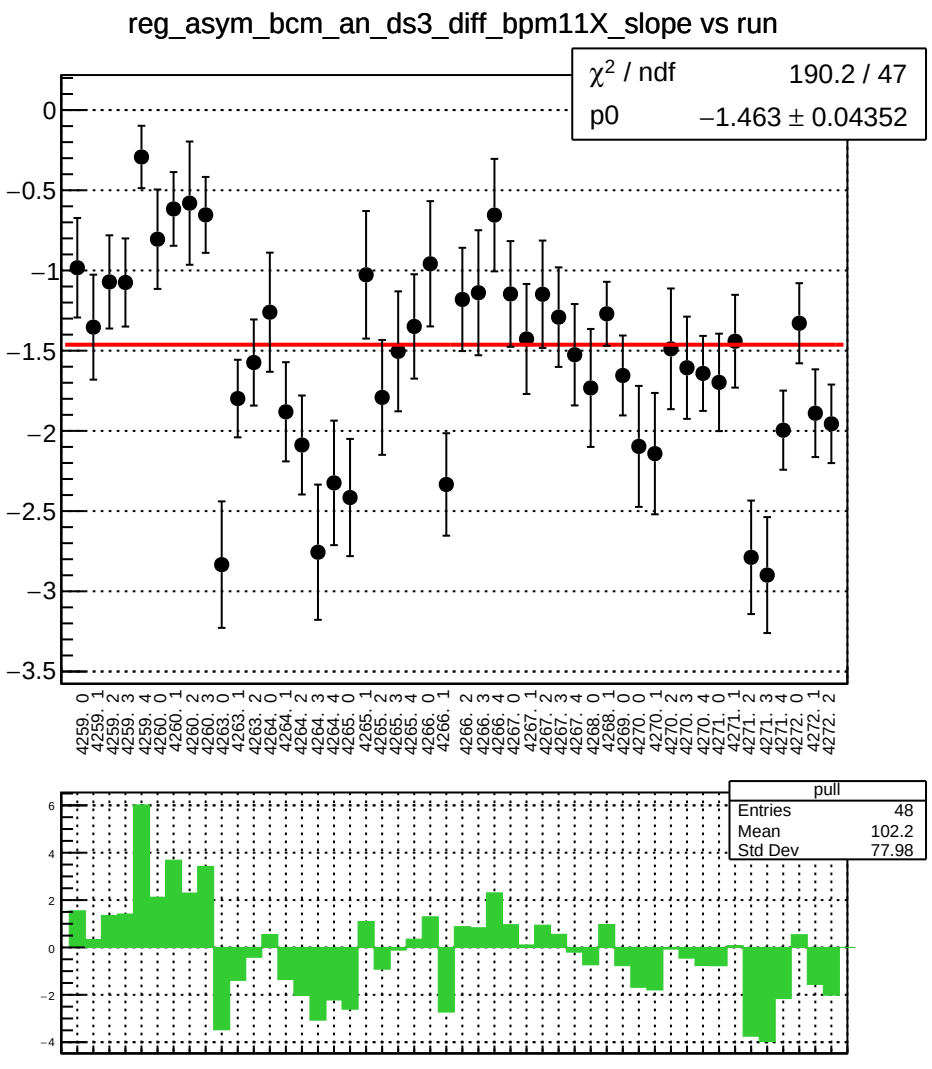

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 290.1 / 47
p0 6.828 ± 0.1318
pull
Entries 48
Mean 36.22
Std Dev 22.89
pull1D
Entries 48
Mean 0.1504
Std Dev 2.454

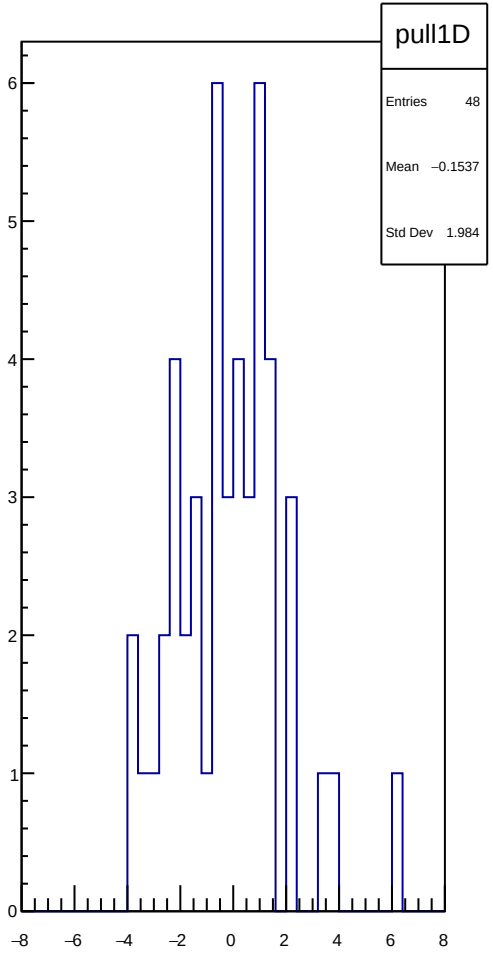

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 824.8 / 47
p0 −2.353 ± 0.03297
pull
Entries 48
Mean 39.64
Std Dev 25.32

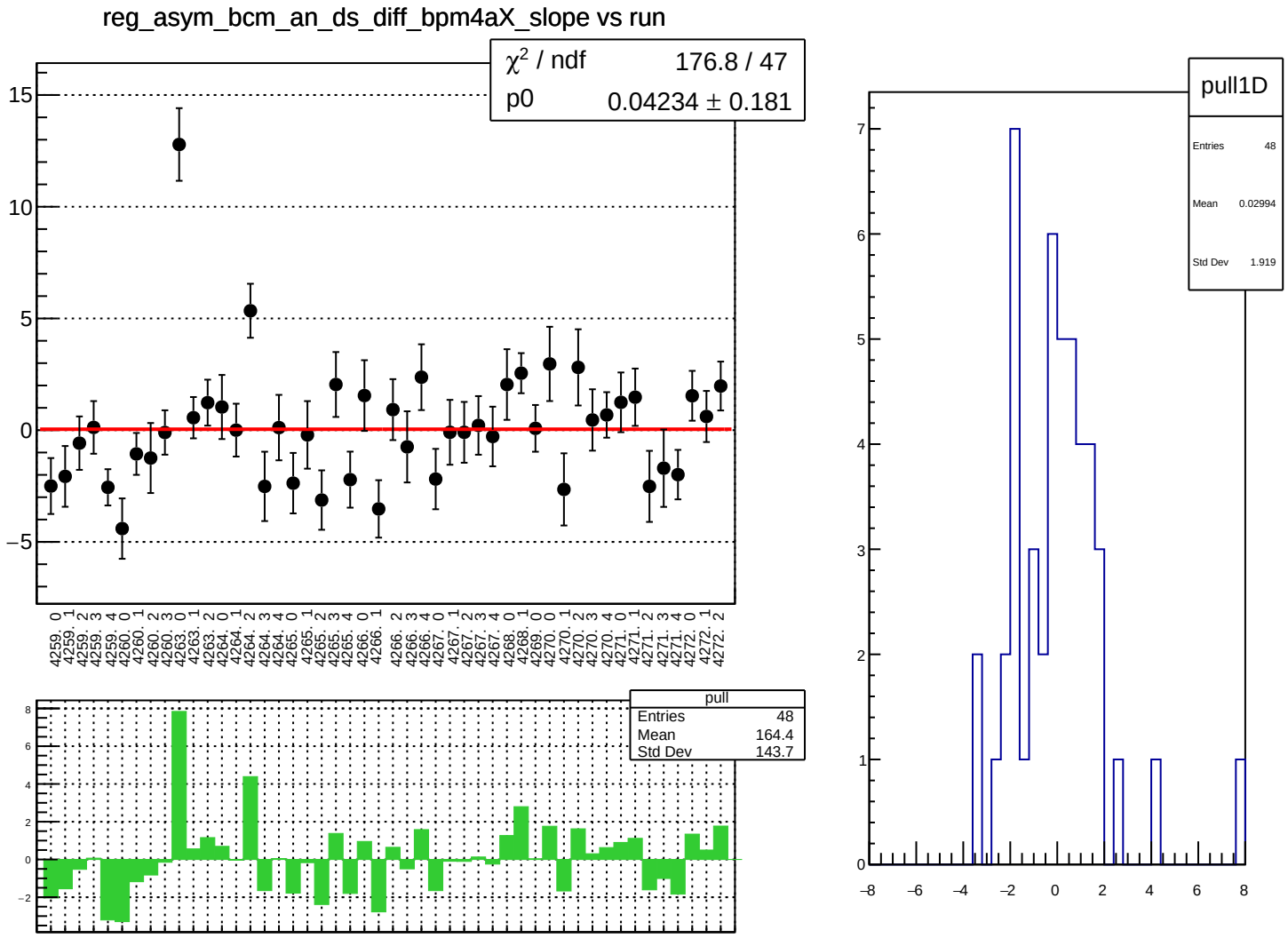

pull1D
Entries 48
Mean −0.7033
Std Dev 3.928

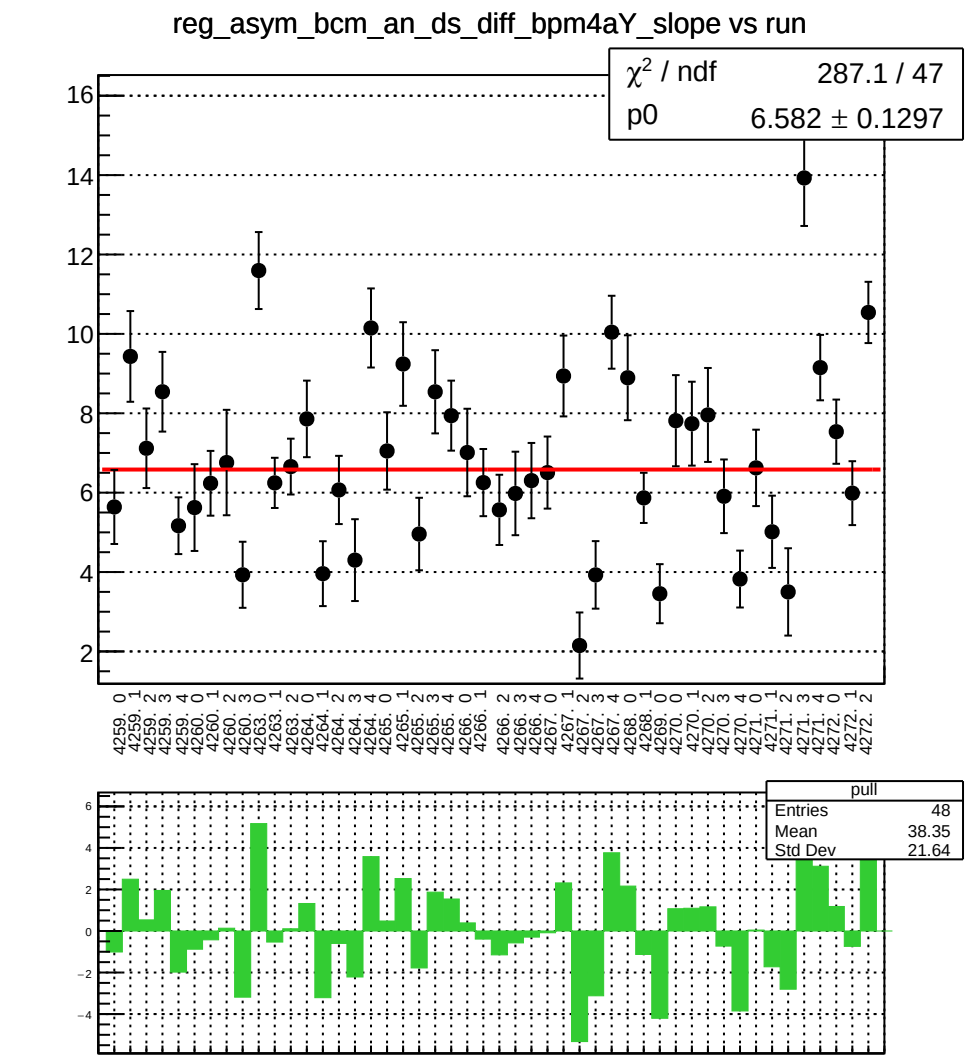

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 296.1 / 47
p0 −12.04 ± 0.2236
pull
Entries 48
Mean 42.93
Std Dev 16.59

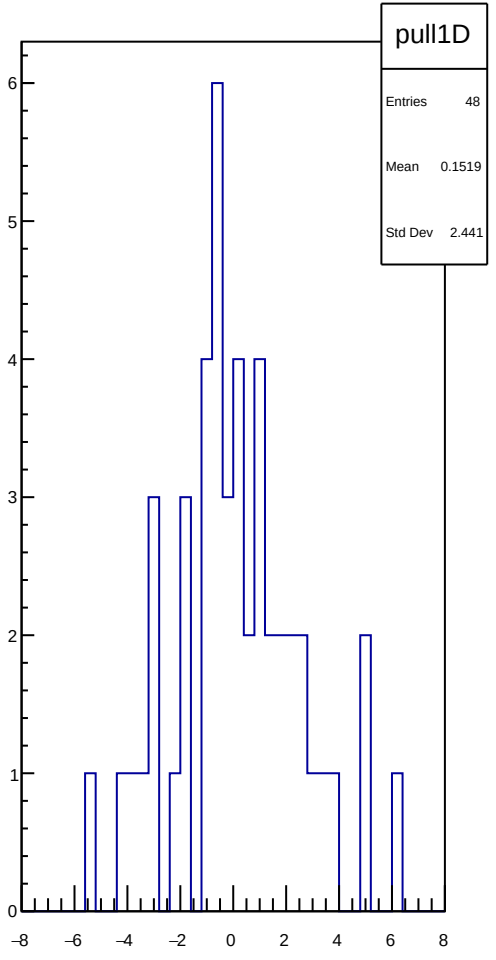

pull1D
Entries 48
Mean −0.1488
Std Dev 2.479

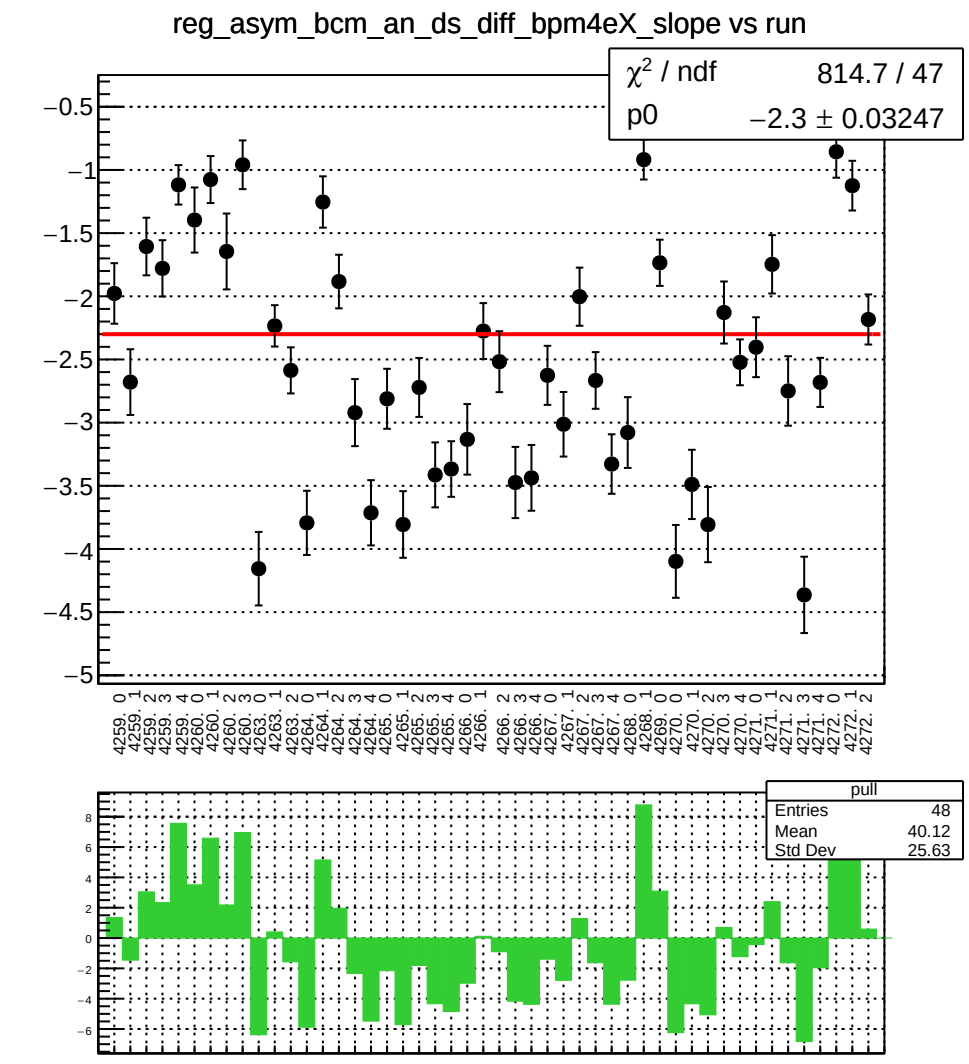

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 190.2 / 47
p0 −1.463 ± 0.04352
pull
Entries 48
Mean 102.2
Std Dev 77.98

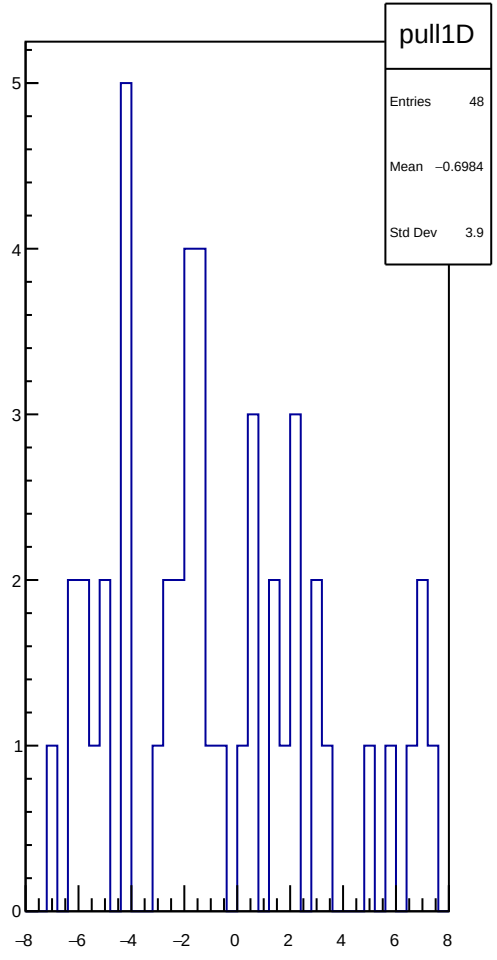

pull1D
Entries 48
Mean −0.1537
Std Dev 1.984

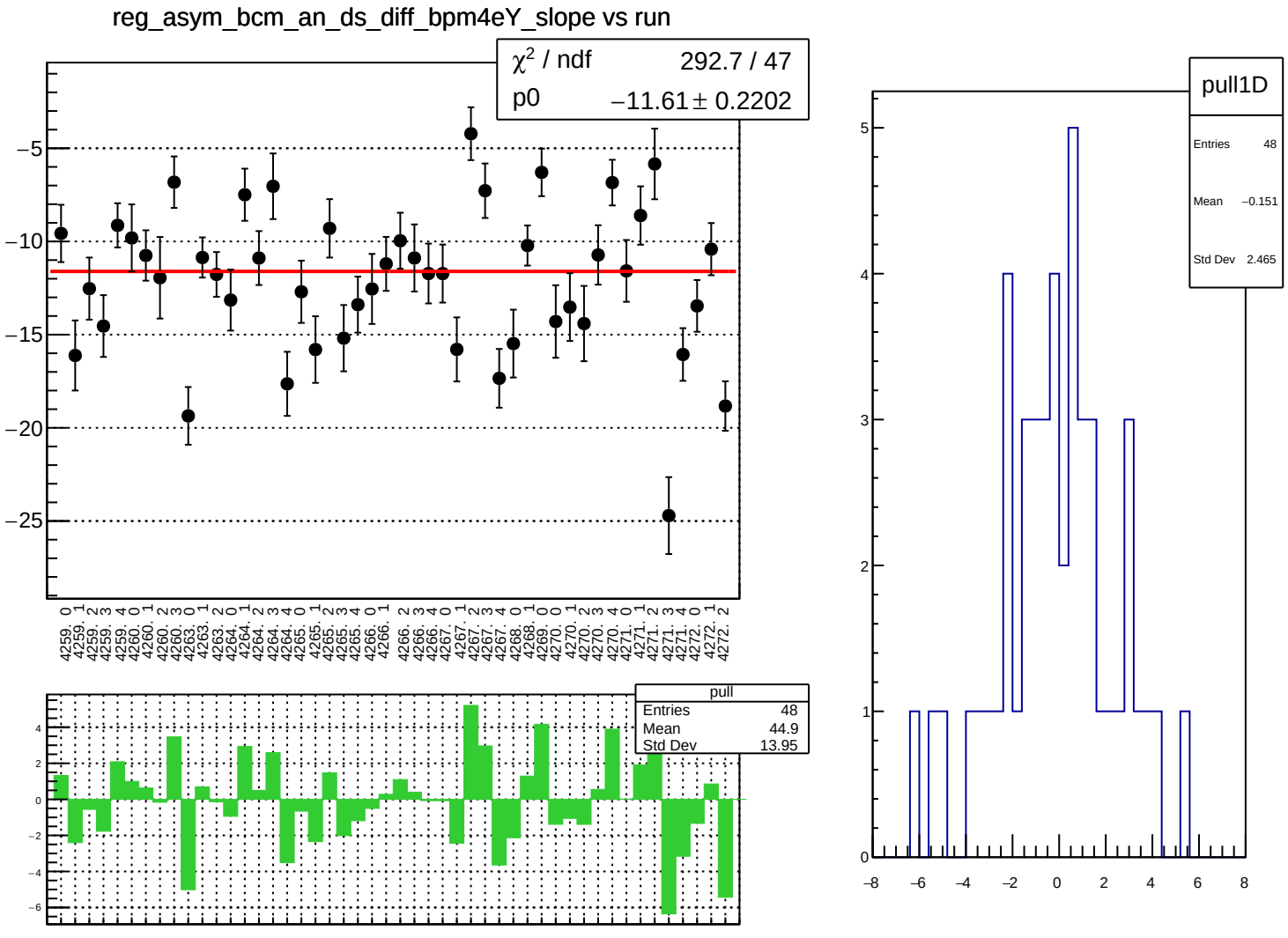

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 176.8 / 47
p0 0.04234 ± 0.181
pull
Entries 48
Mean 164.4
Std Dev 143.7
pull1D
Entries 48
Mean 0.02994
Std Dev 1.919

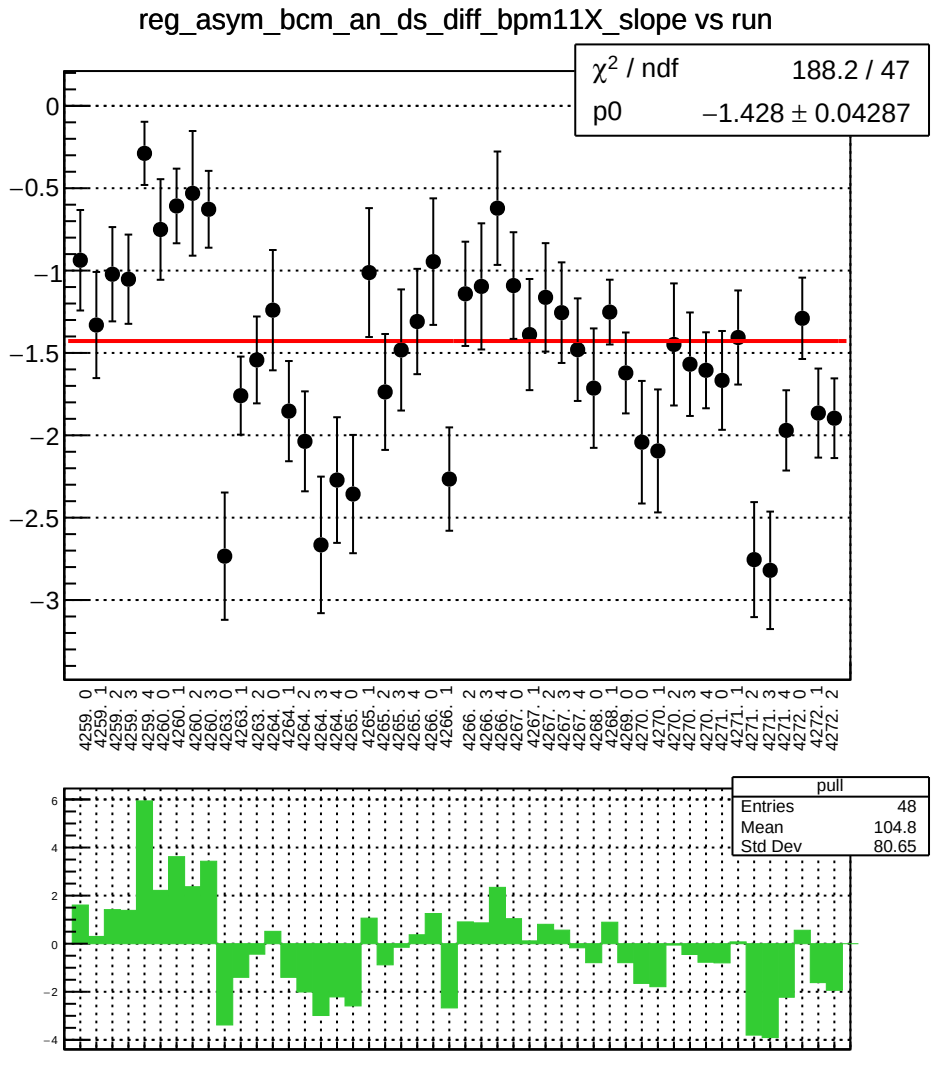

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 287.1 / 47
p0 6.582 ± 0.1297
pull
Entries 48
Mean 38.35
Std Dev 21.64

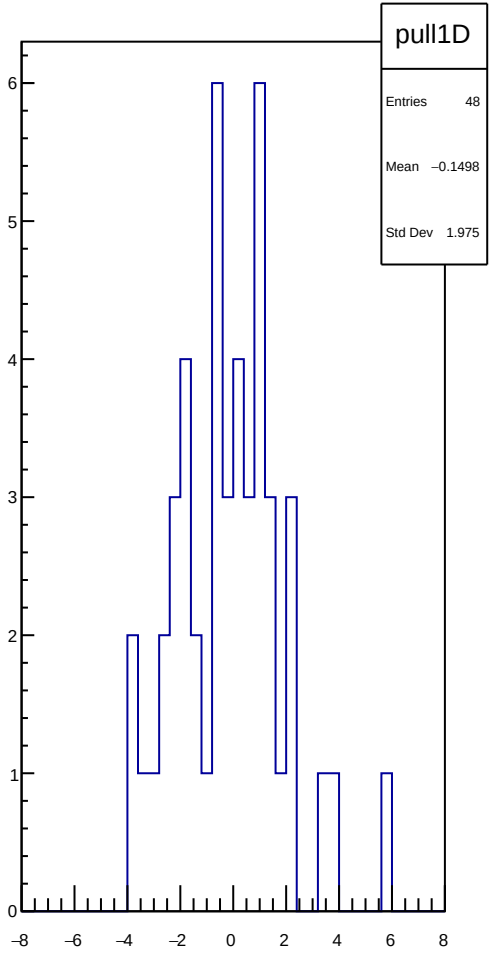

pull1D
Entries 48
Mean 0.1519
Std Dev 2.441

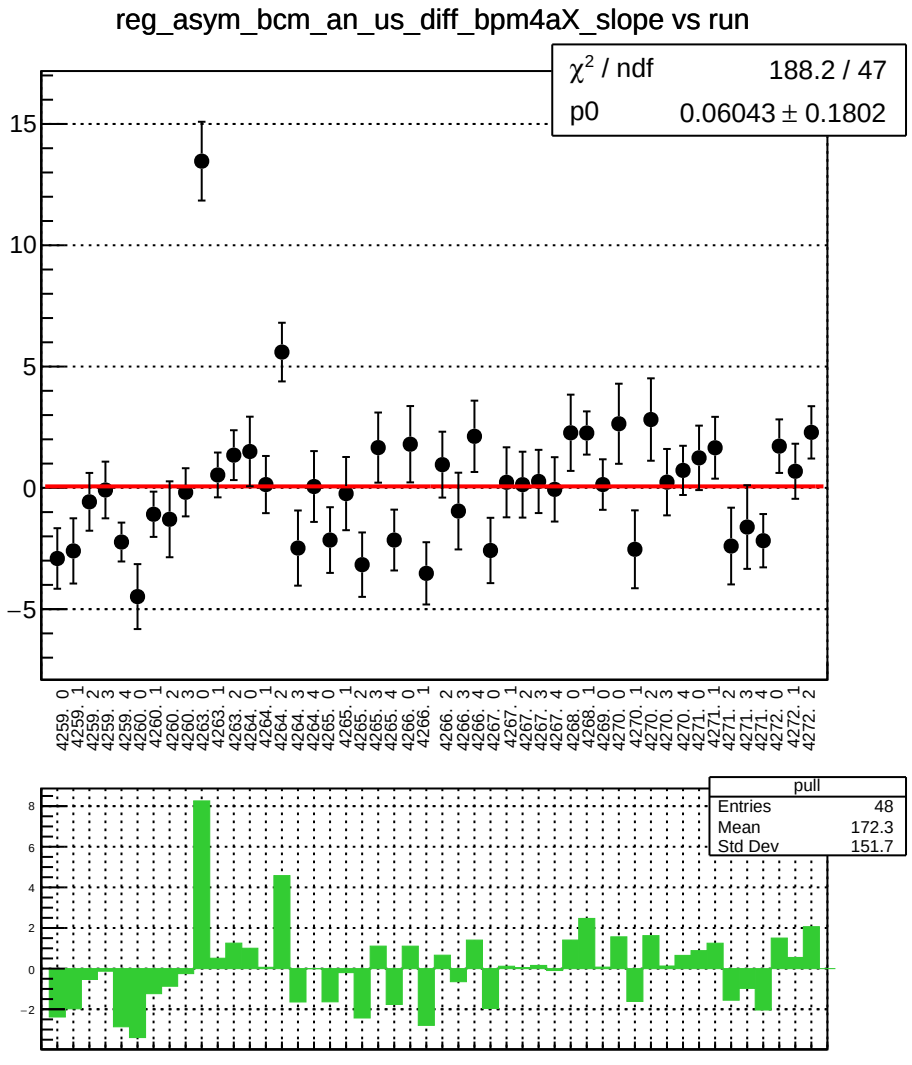

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 814.7 / 47
p0 −2.3 ± 0.03247
pull
Entries 48
Mean 40.12
Std Dev 25.63

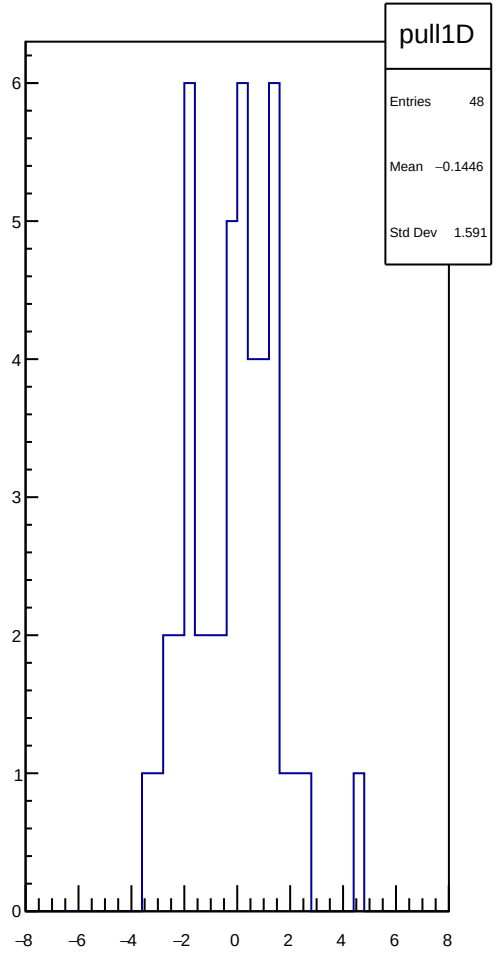

pull1D
Entries 48
Mean −0.6984
Std Dev 3.9

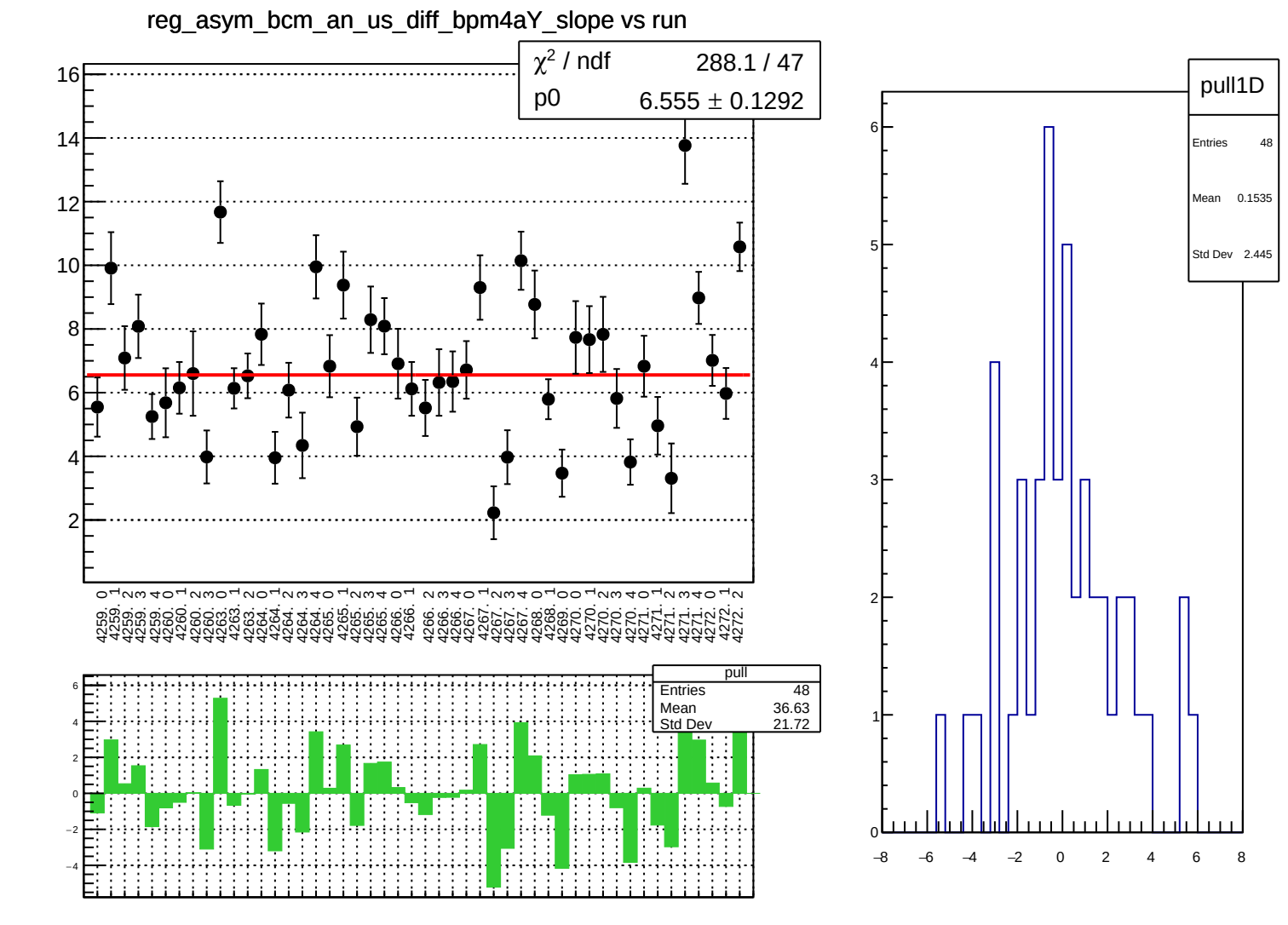

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 292.7 / 47
p0 −11.61 ± 0.2202
−5
−10
−15
−20
−25
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 44.9
Std Dev 13.95
4
2
0
−2
−4
−6
pull1D
Entries 48
Mean −0.151
Std Dev 2.465
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

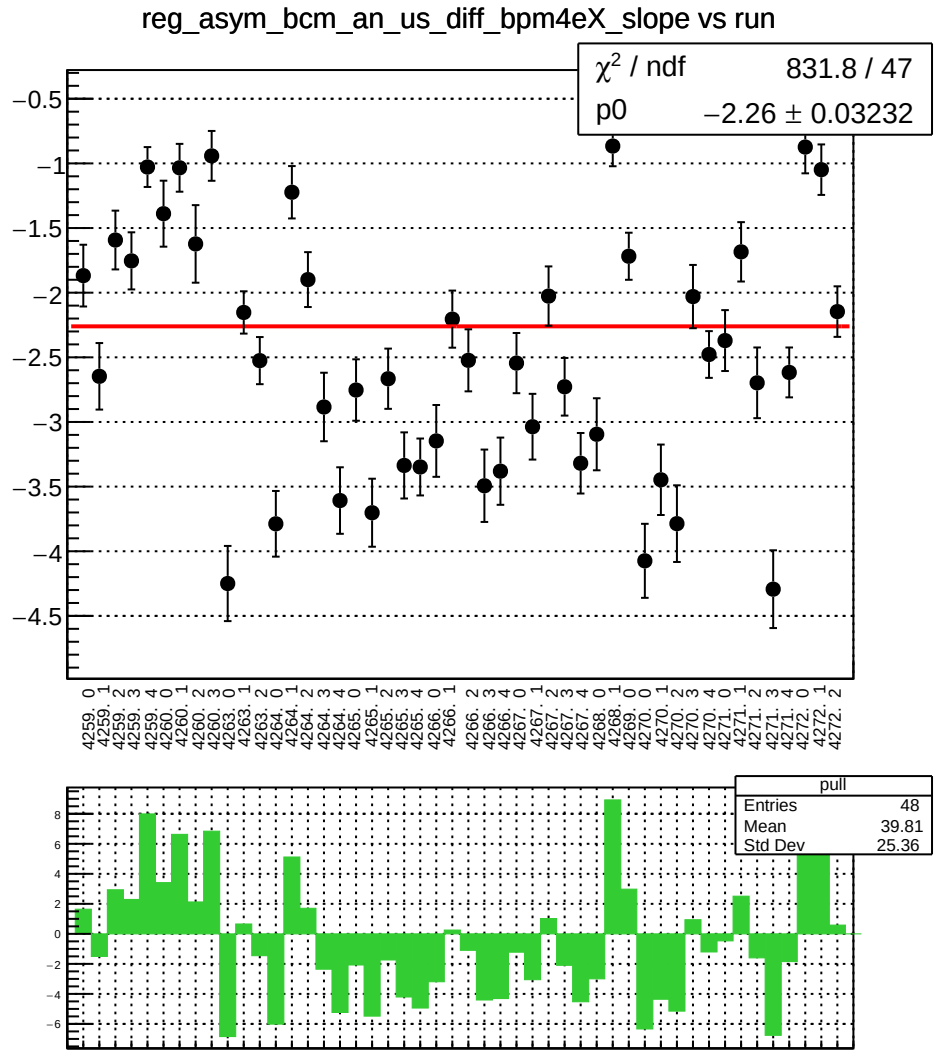

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 188.2 / 47
p0 −1.428 ± 0.04287
pull
Entries 48
Mean 104.8
Std Dev 80.65

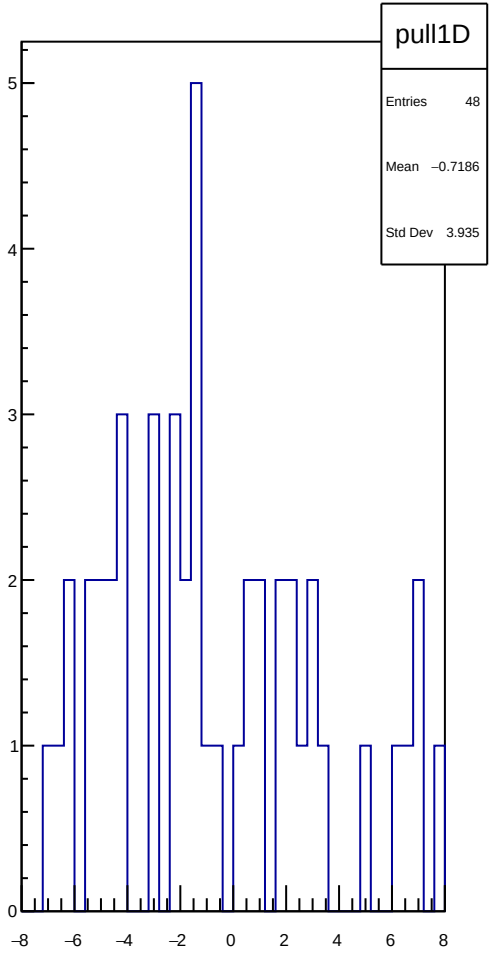

pull1D
Entries 48
Mean −0.1498
Std Dev 1.975

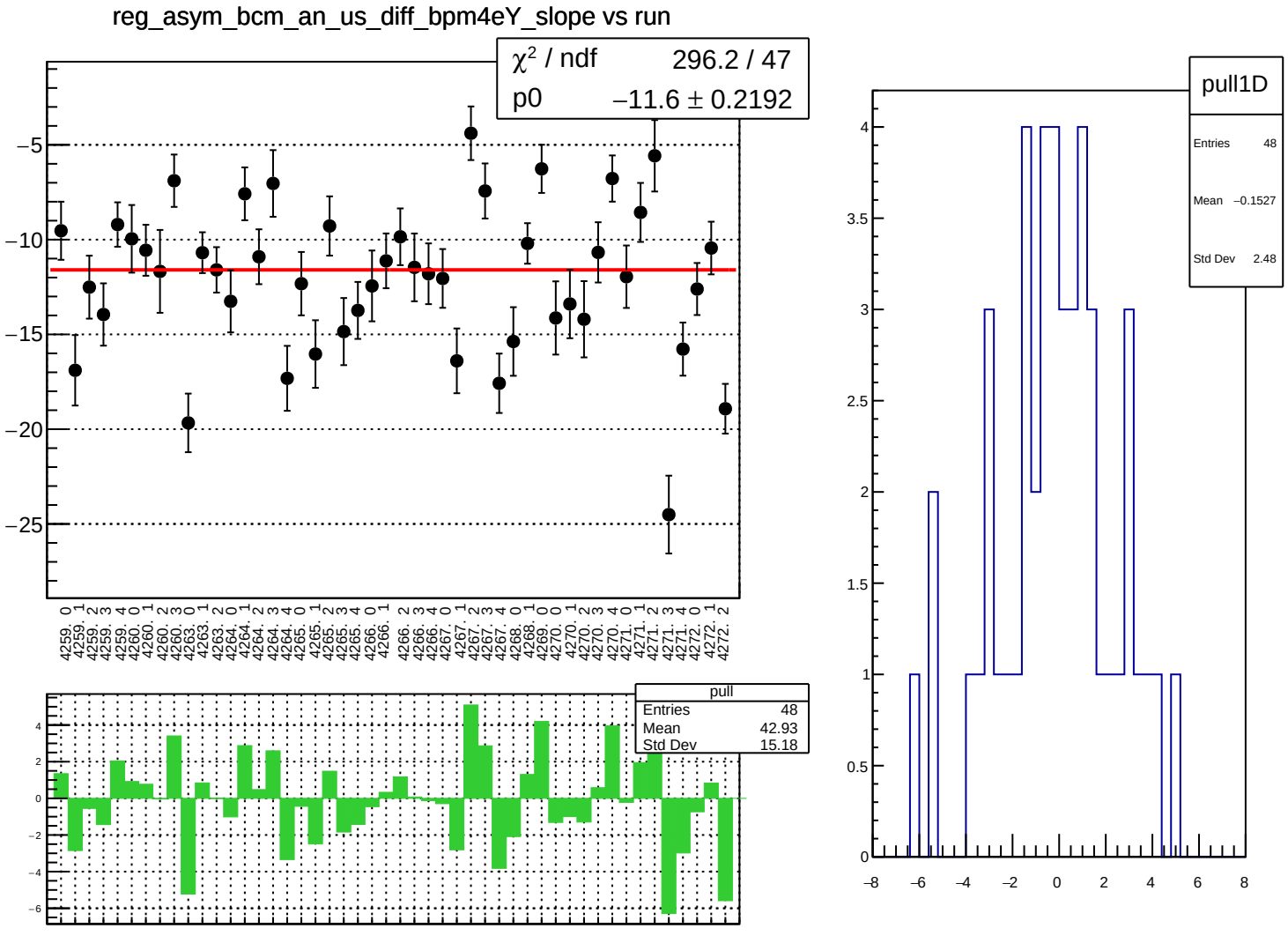

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 188.2 / 47
p0 0.06043 ± 0.1802
pull
Entries 48
Mean 172.3
Std Dev 151.7

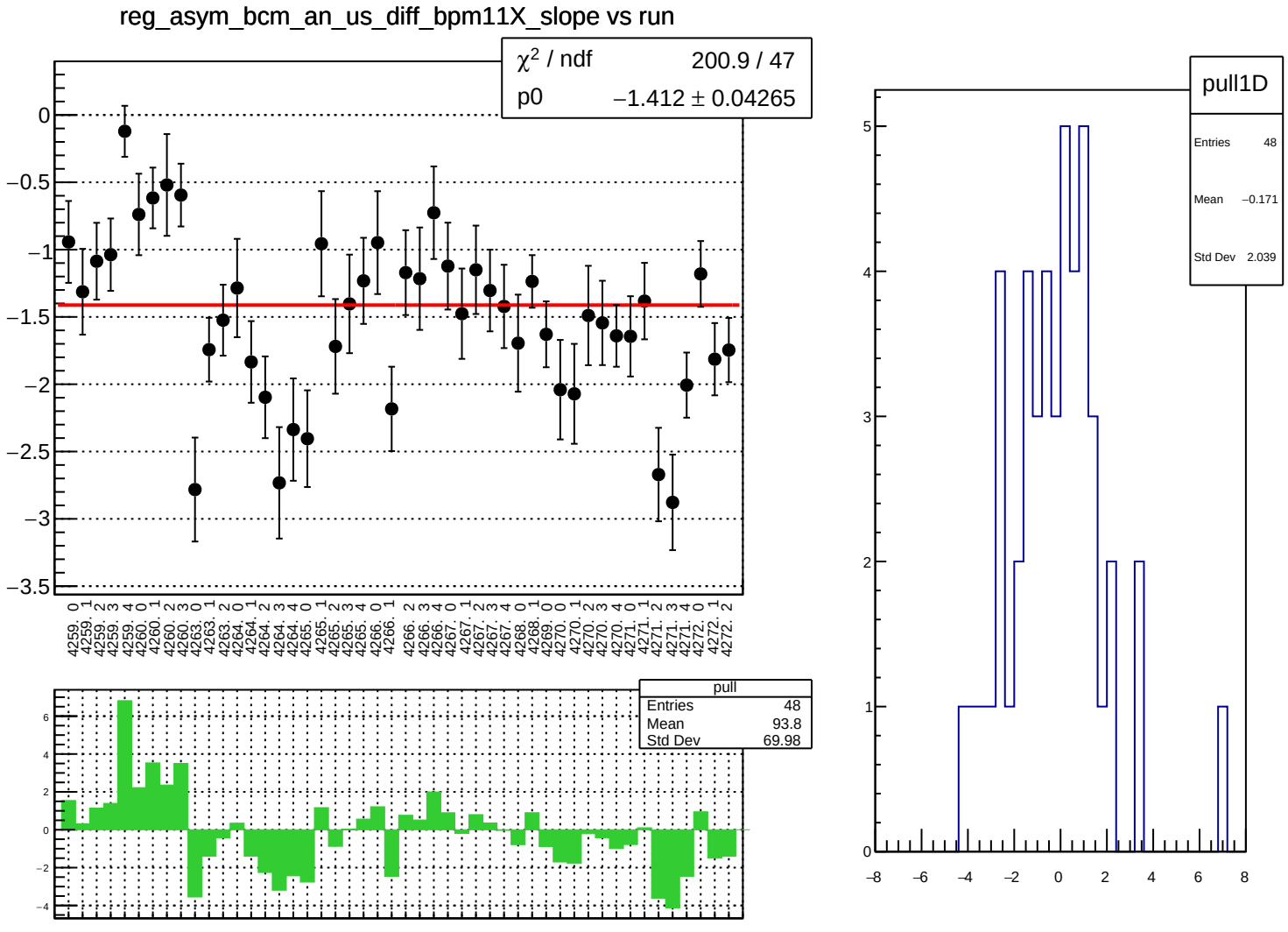

pull1D
Entries 48
Mean −0.1446
Std Dev 1.591

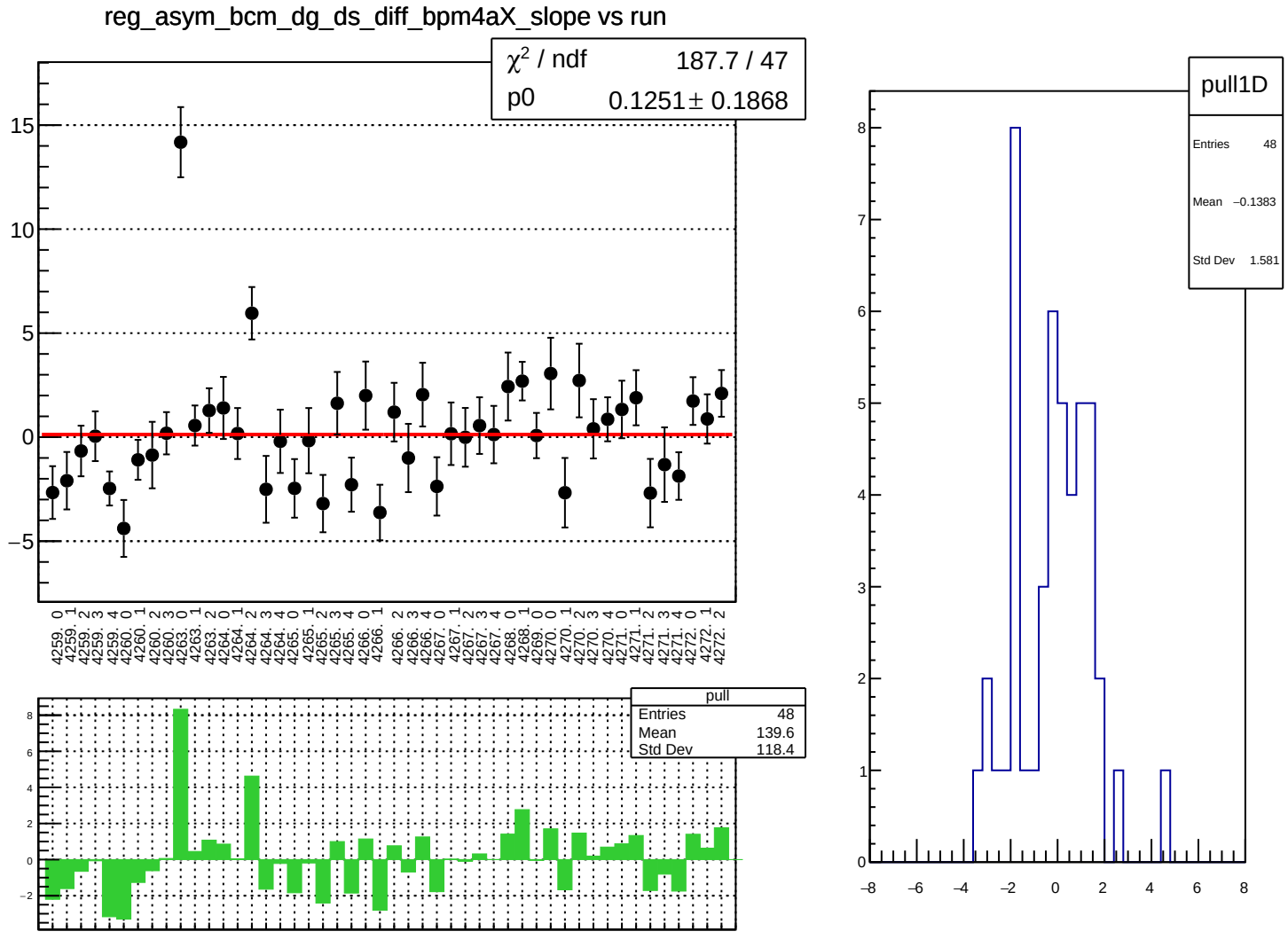

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 288.1 / 47
p0 6.555 ± 0.1292
pull
Entries 48
Mean 36.63
Std Dev 21.72
pull1D
Entries 48
Mean 0.1535
Std Dev 2.445

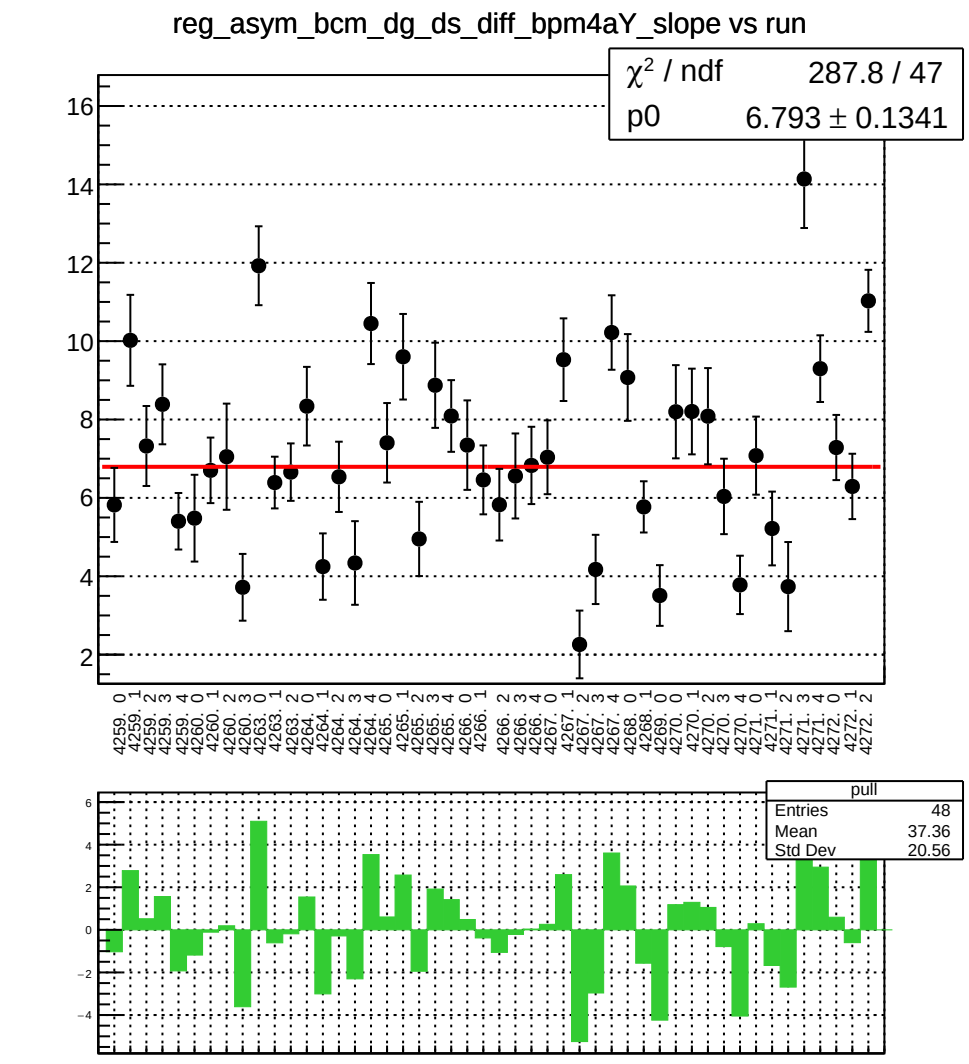

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 831.8 / 47
p0 −2.26 ± 0.03232
pull
Entries 48
Mean 39.81
Std Dev 25.36

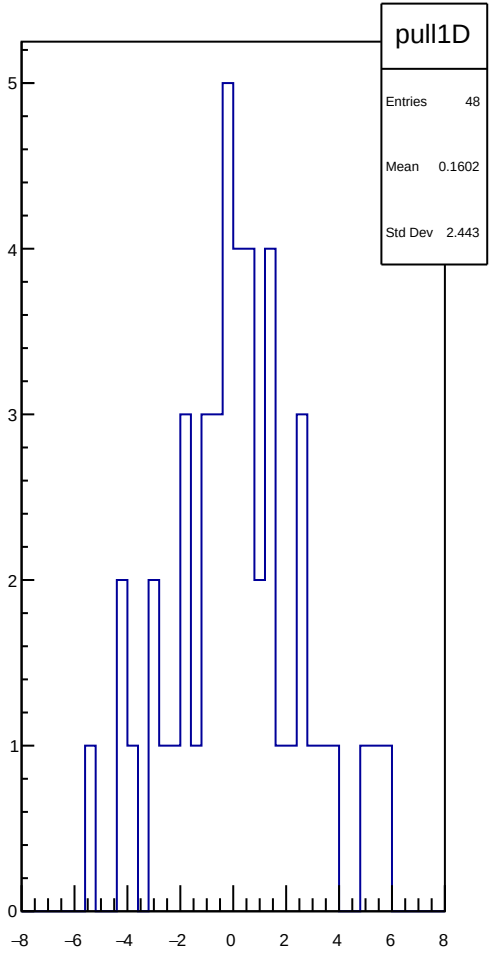

pull1D
Entries 48
Mean −0.7186
Std Dev 3.935

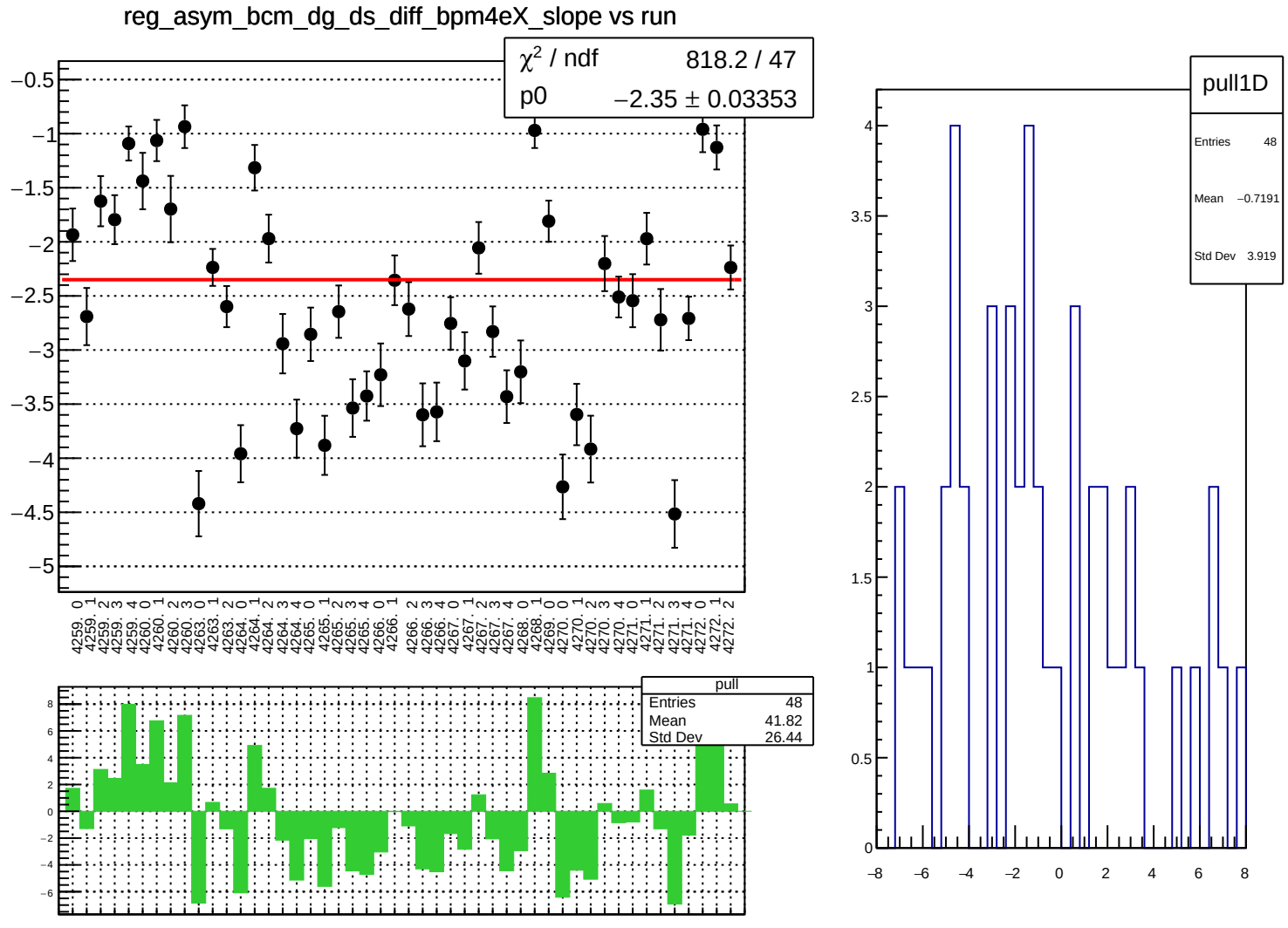

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 296.2 / 47
p0 −11.6 ± 0.2192
pull
Entries 48
Mean 42.93
Std Dev 15.18
pull1D
Entries 48
Mean −0.1527
Std Dev 2.48

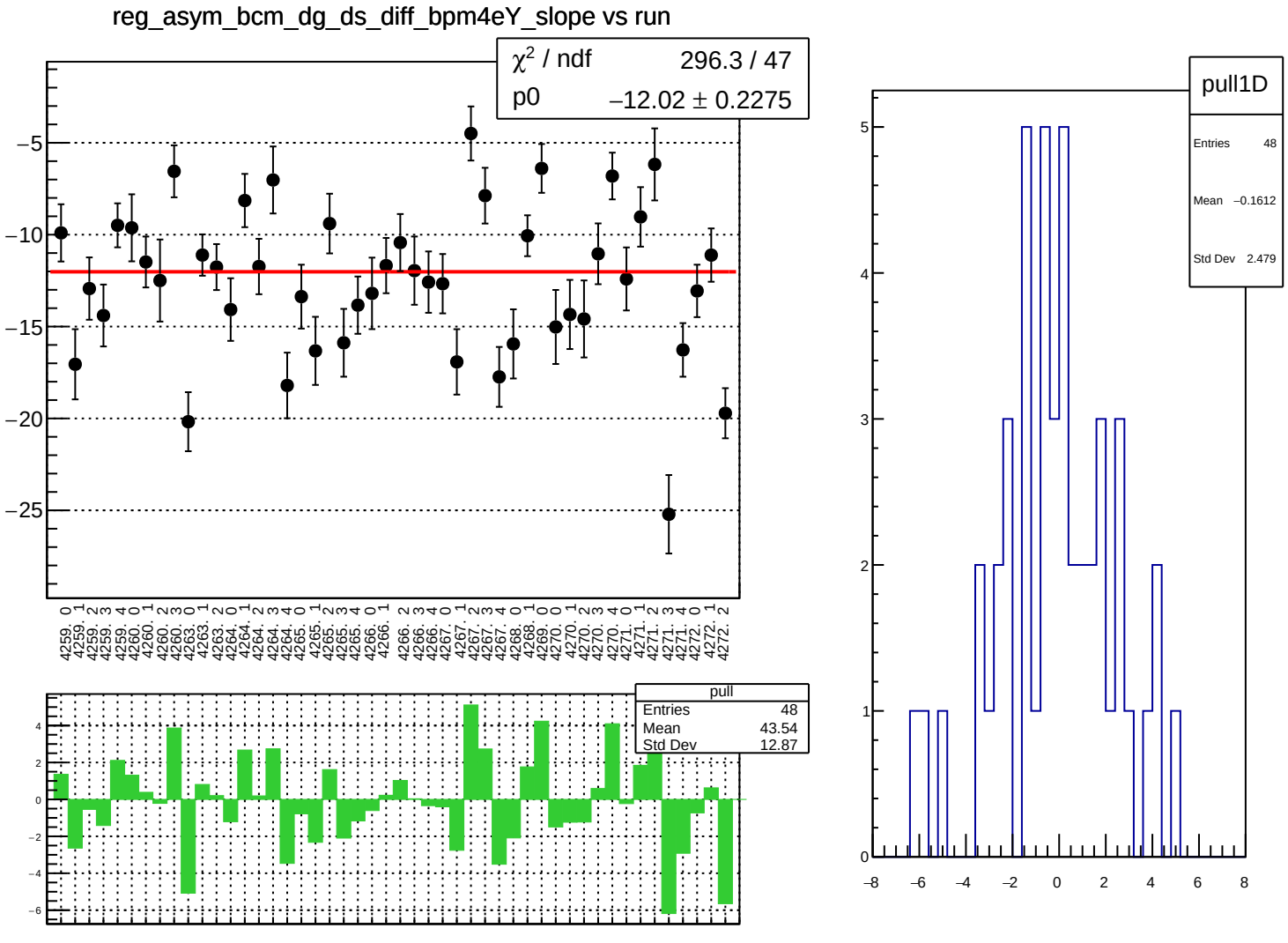

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 200.9 / 47
p0 −1.412 ± 0.04265
pull
Entries 48
Mean 93.8
Std Dev 69.98
pull1D
Entries 48
Mean −0.171
Std Dev 2.039

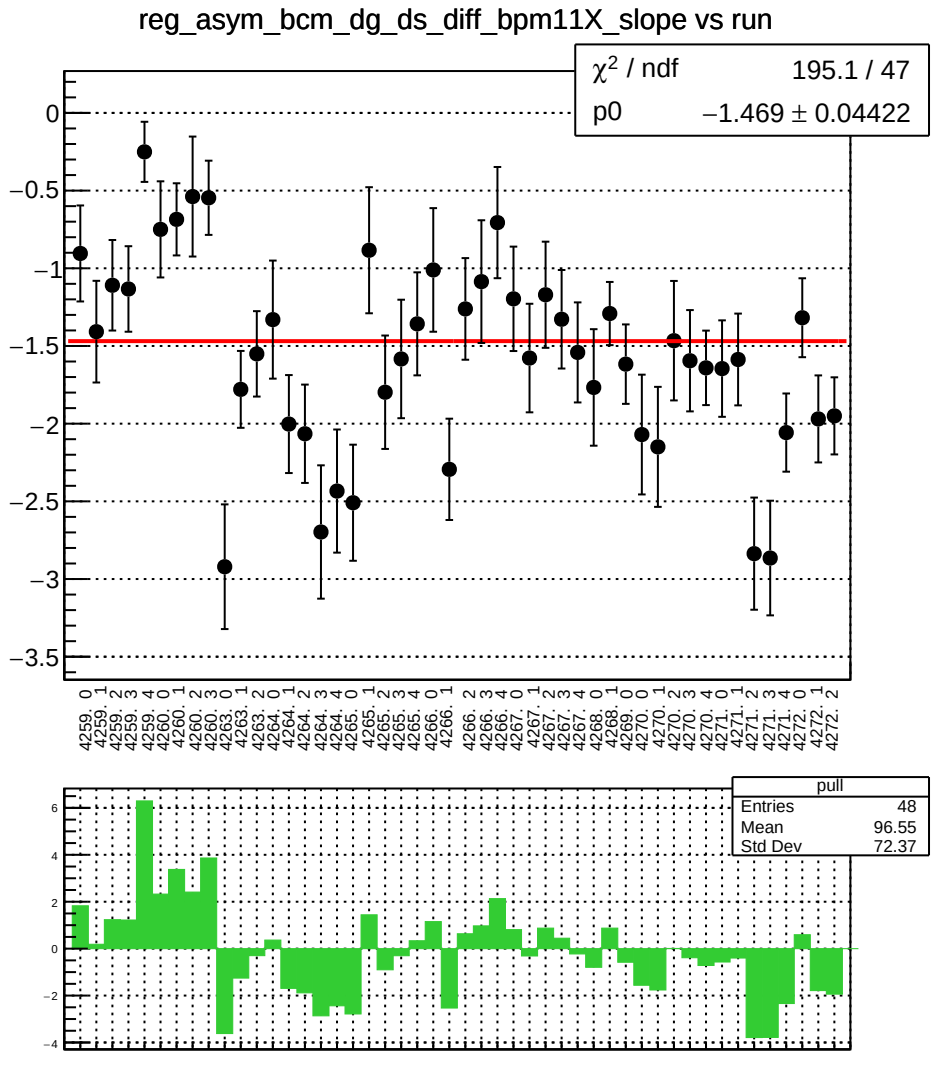

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 187.7 / 47
p0 0.1251± 0.1868
15
10
5
0
−5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 139.6
Std Dev 118.4
8
6
4
2
0
−2
pull1D
Entries 48
Mean −0.1383
Std Dev 1.581
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

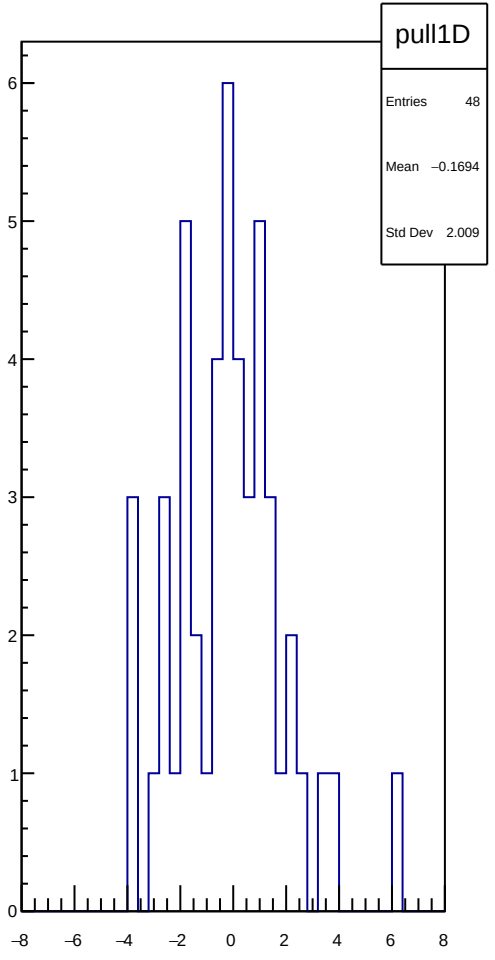

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 287.8 / 47
p0 6.793 ± 0.1341
pull
Entries 48
Mean 37.36
Std Dev 20.56

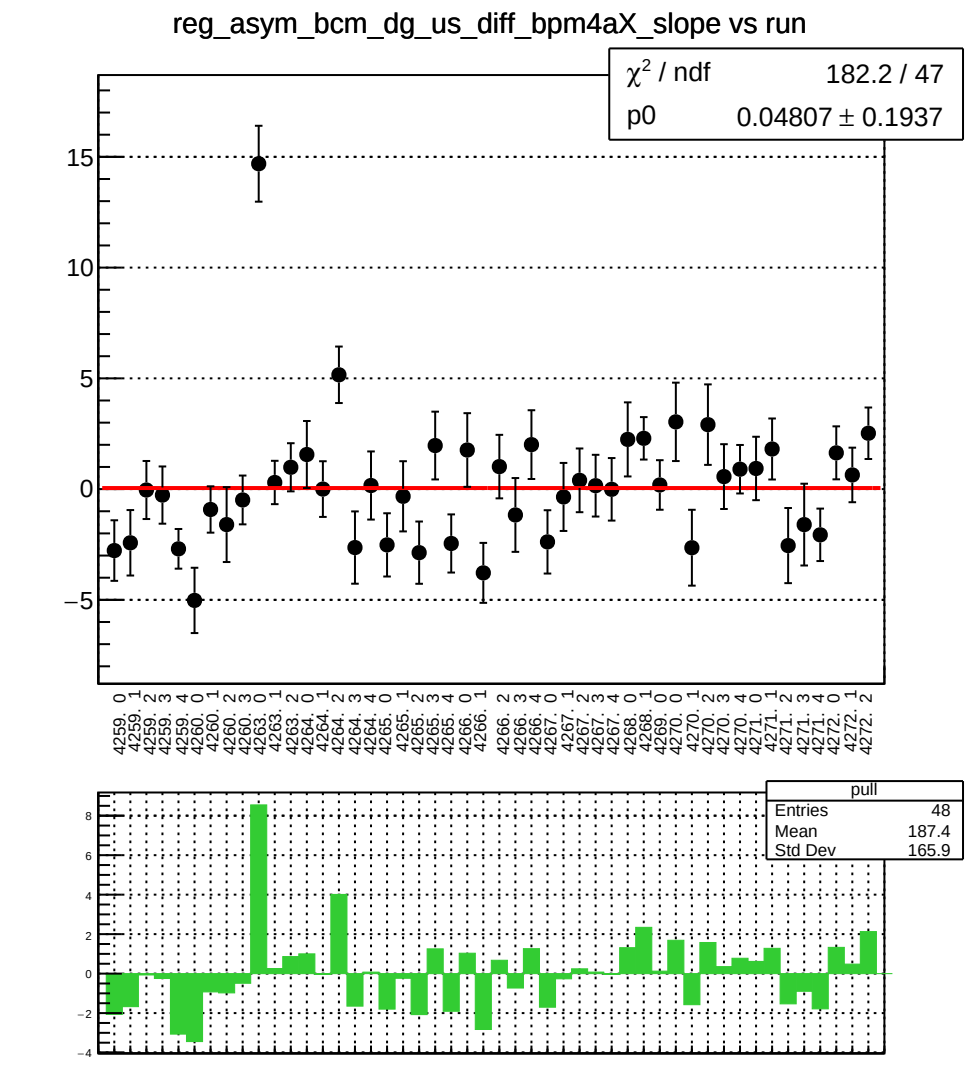

pull1D
Entries 48
Mean 0.1602
Std Dev 2.443

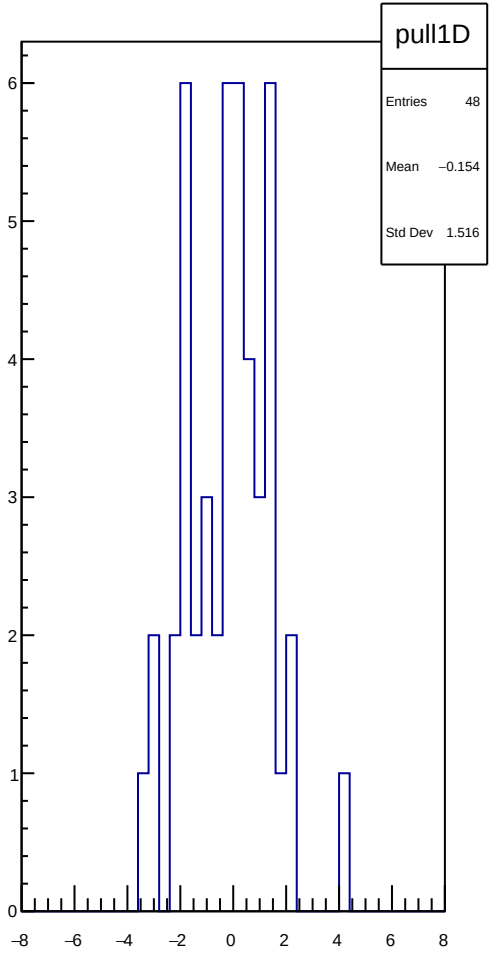

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 818.2 / 47
p0 −2.35 ± 0.03353
pull
Entries 48
Mean 41.82
Std Dev 26.44
pull1D
Entries 48
Mean −0.7191
Std Dev 3.919

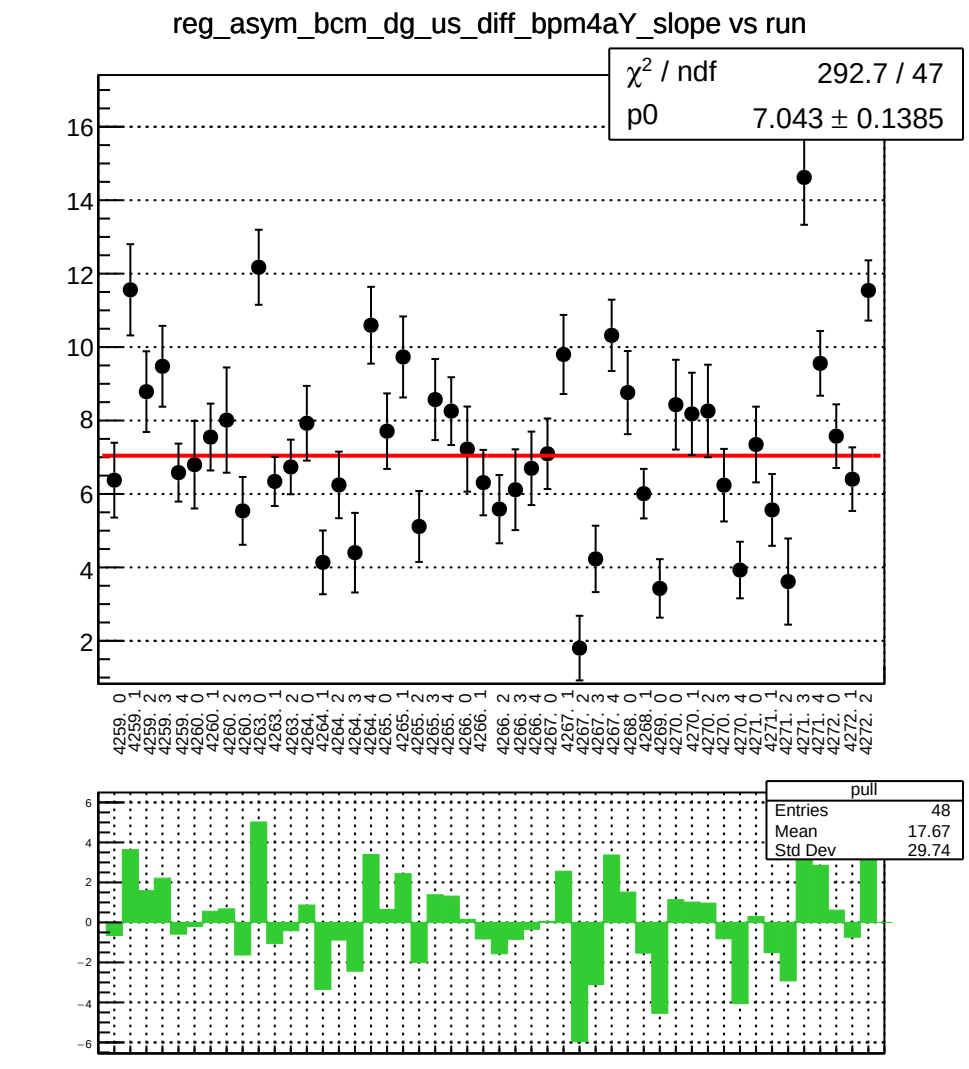

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 296.3 / 47
p0 −12.02 ± 0.2275
pull
Entries 48
Mean 43.54
Std Dev 12.87
pull1D
Entries 48
Mean −0.1612
Std Dev 2.479

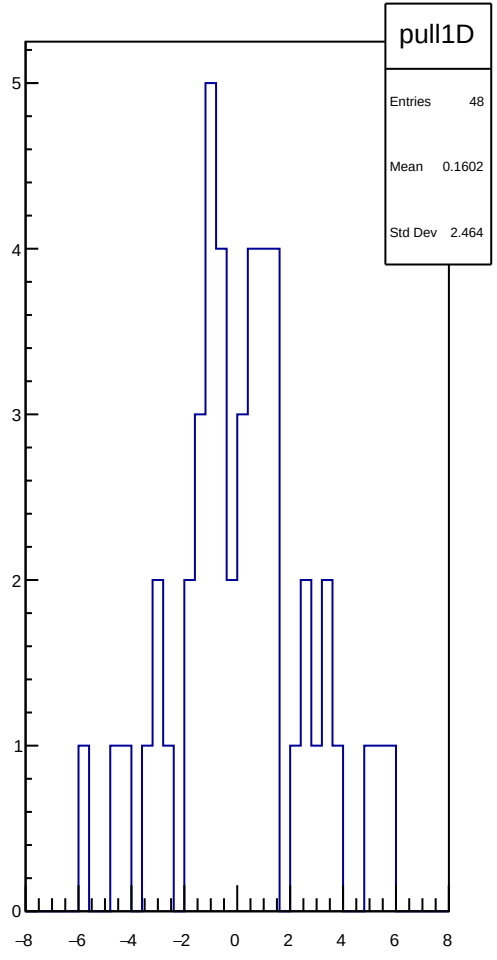

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 195.1 / 47
p0 −1.469 ± 0.04422
pull
Entries 48
Mean 96.55
Std Dev 72.37

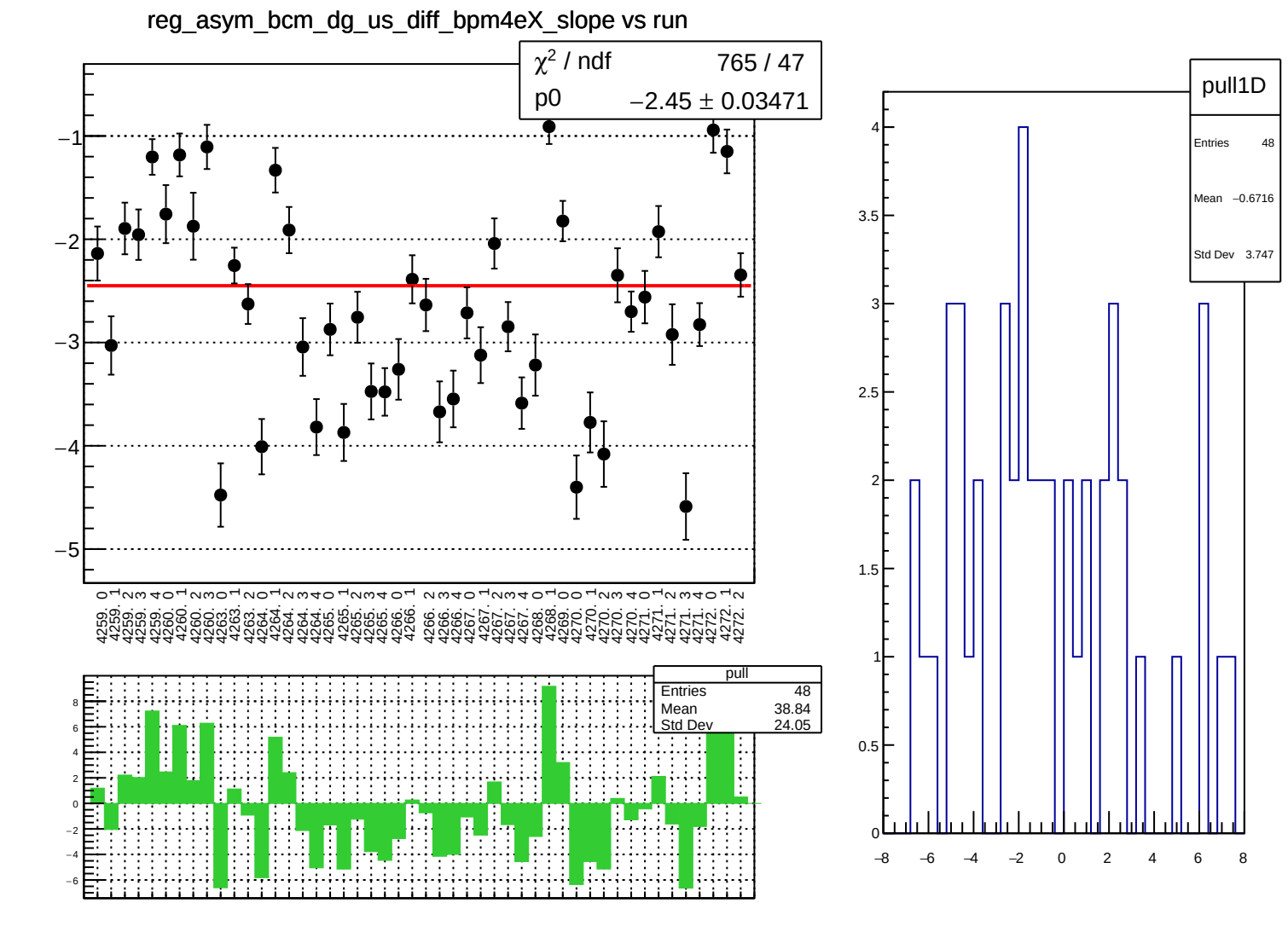

pull1D
Entries 48
Mean −0.1694
Std Dev 2.009

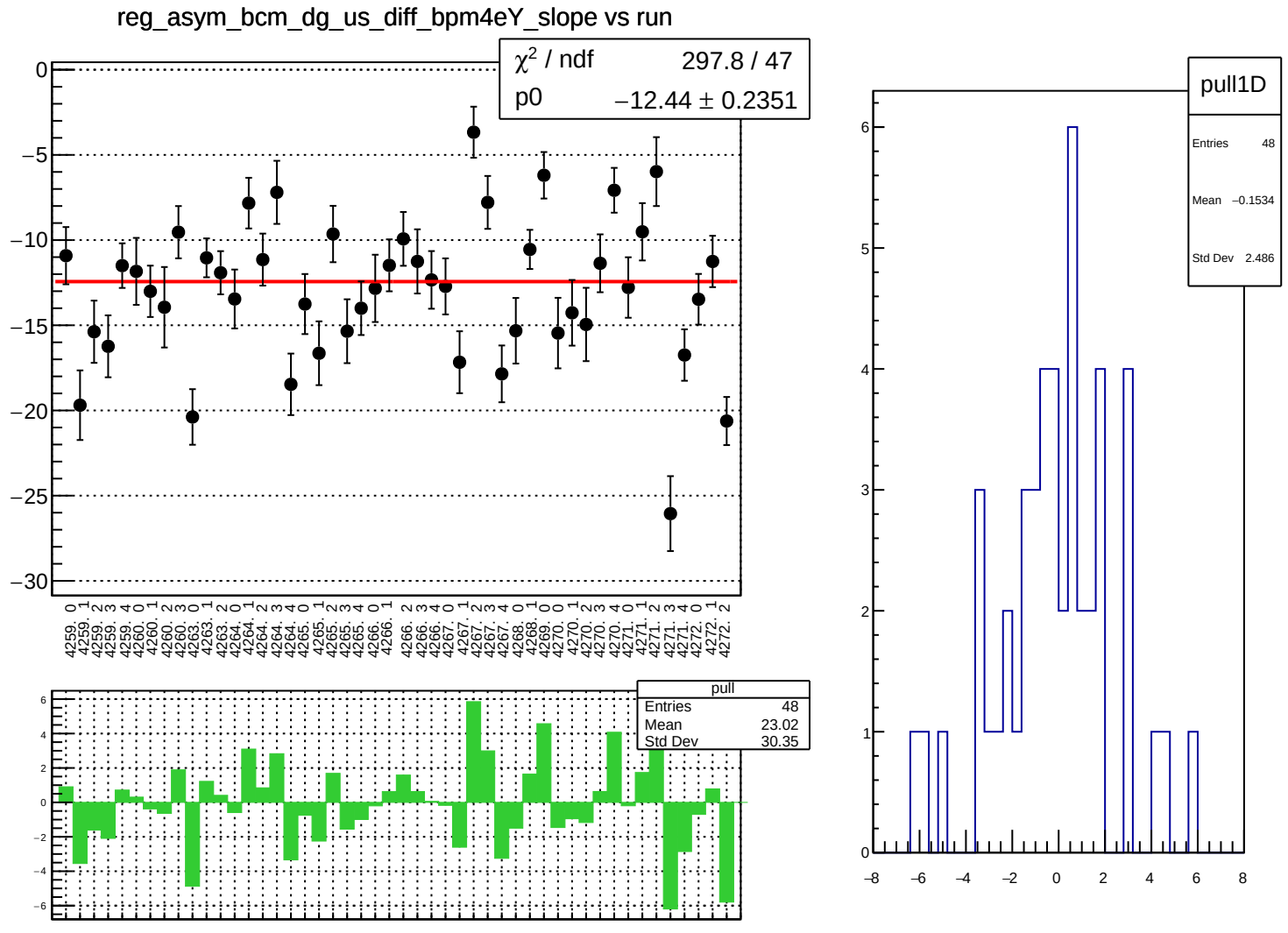

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 182.2 / 47
p0 0.04807 ± 0.1937
pull
Entries 48
Mean 187.4
Std Dev 165.9

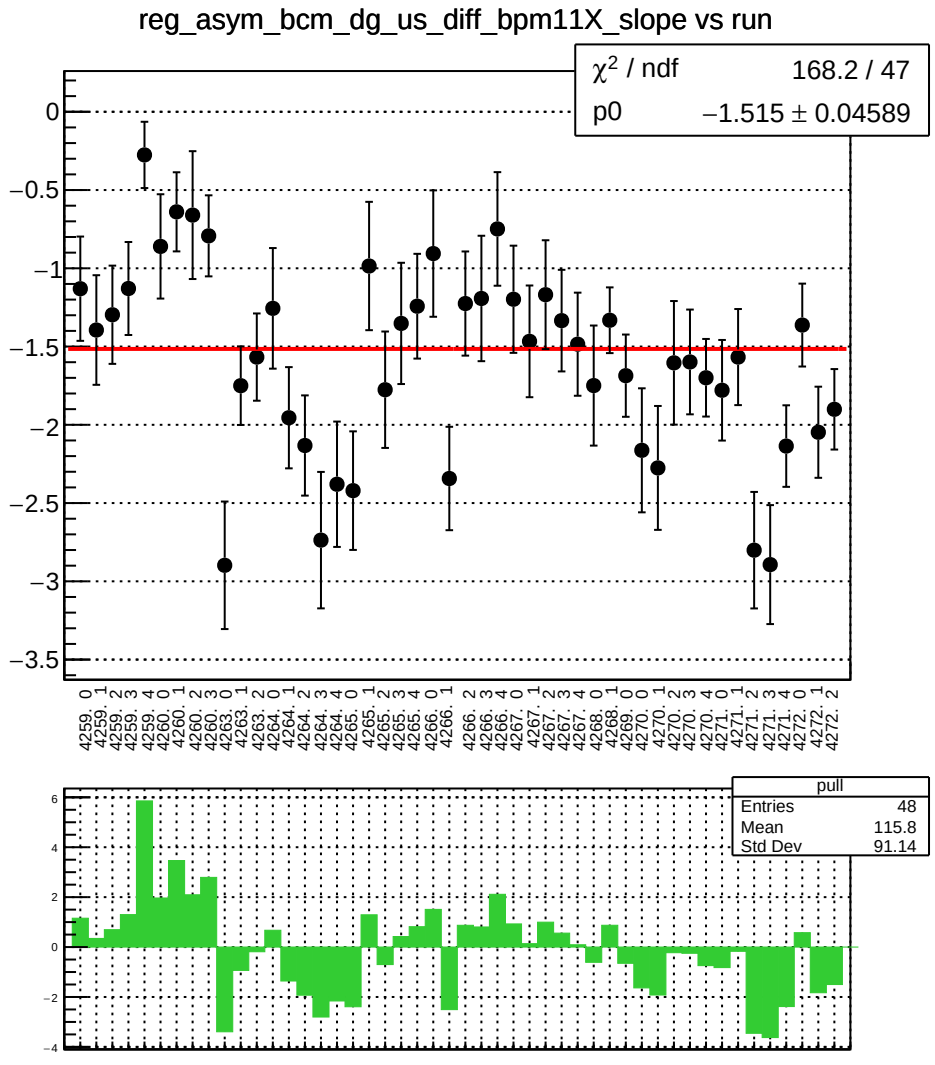

pull1D
Entries 48
Mean −0.154
Std Dev 1.516

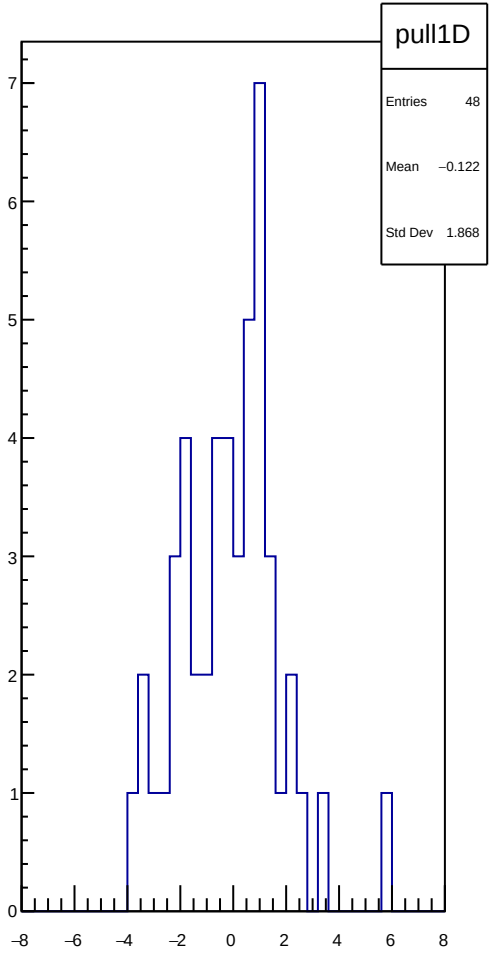

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 292.7 / 47
p0 7.043 ± 0.1385
pull
Entries 48
Mean 17.67
Std Dev 29.74

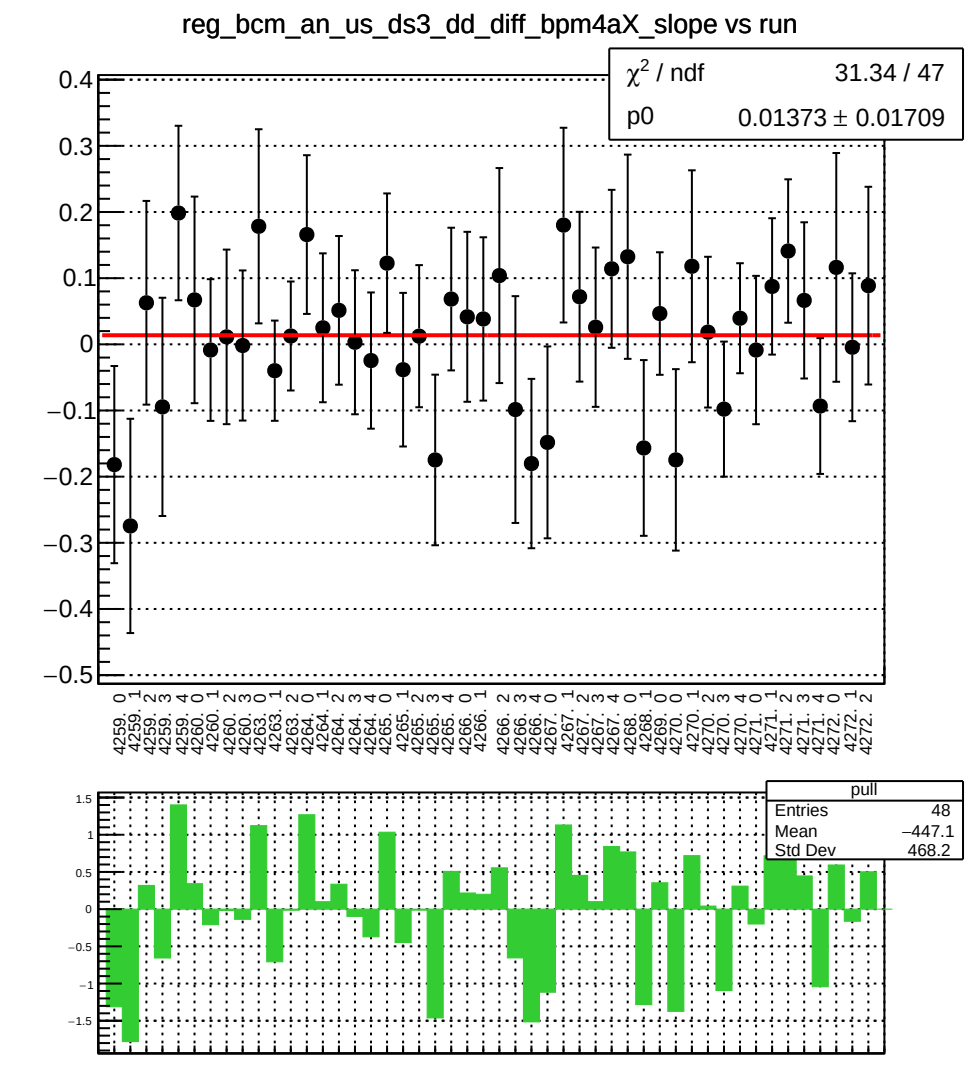

pull1D
Entries 48
Mean 0.1602
Std Dev 2.464

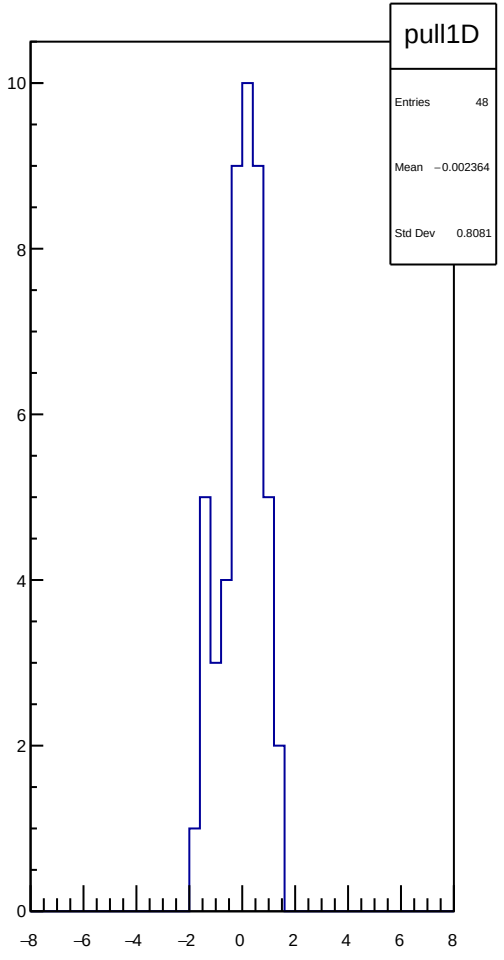

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 765 / 47
p0 −2.45 ± 0.03471
pull
Entries 48
Mean 38.84
Std Dev 24.05
pull1D
Entries 48
Mean −0.6716
Std Dev 3.747

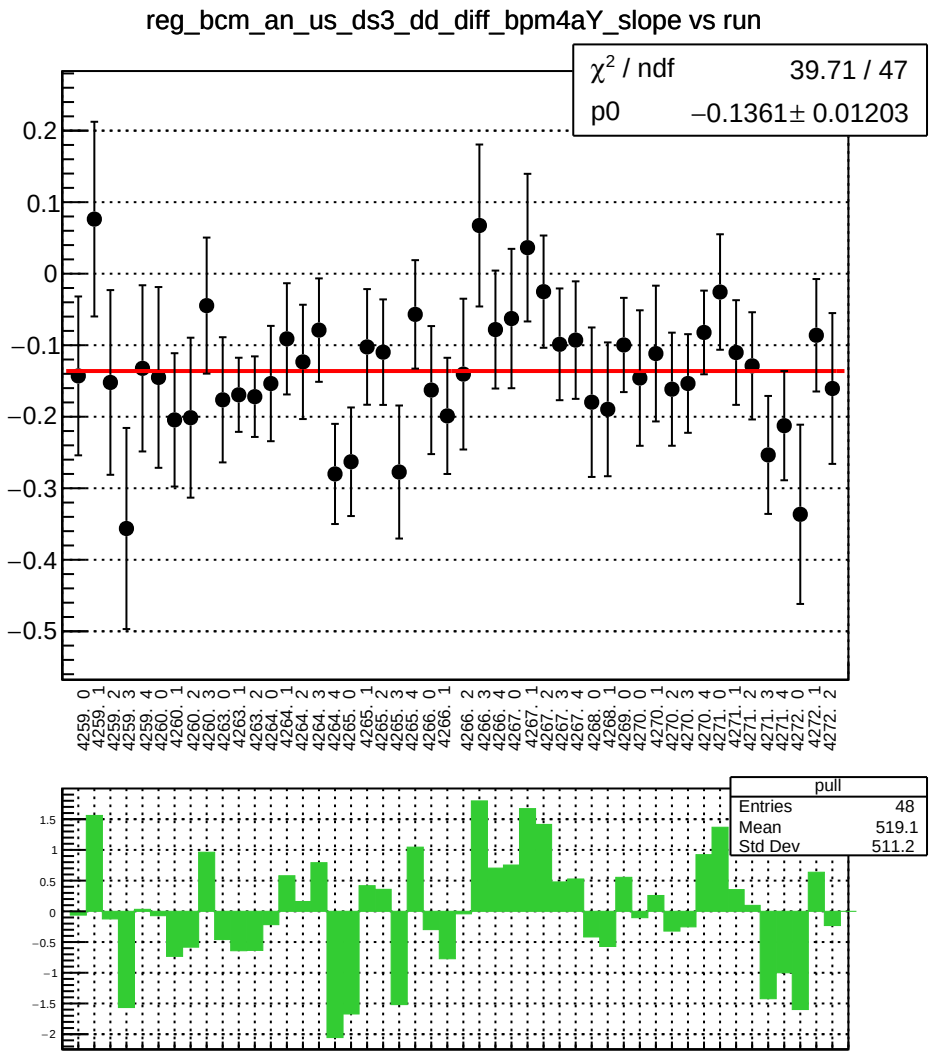

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 297.8 / 47
p0 −12.44 ± 0.2351
pull
Entries 48
Mean 23.02
Std Dev 30.35
pull1D
Entries 48
Mean −0.1534
Std Dev 2.486

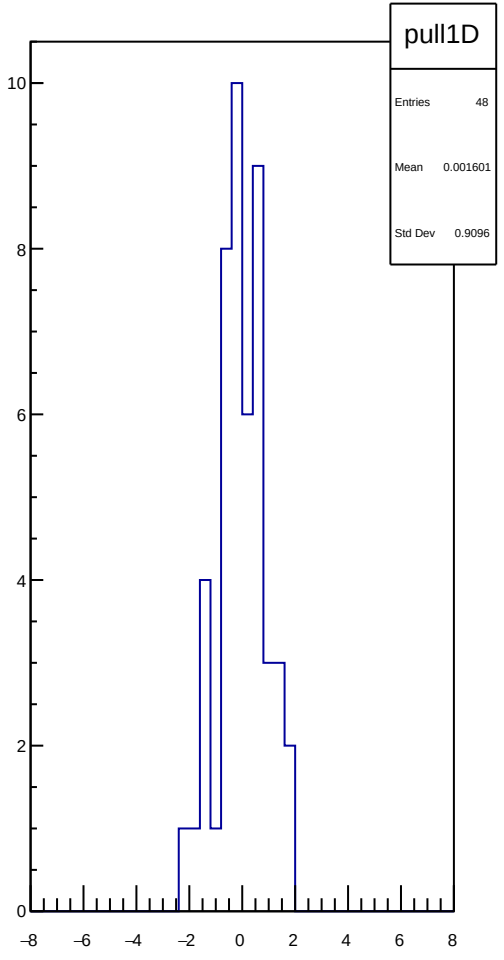

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 168.2 / 47
p0 −1.515 ± 0.04589
pull
Entries 48
Mean 115.8
Std Dev 91.14

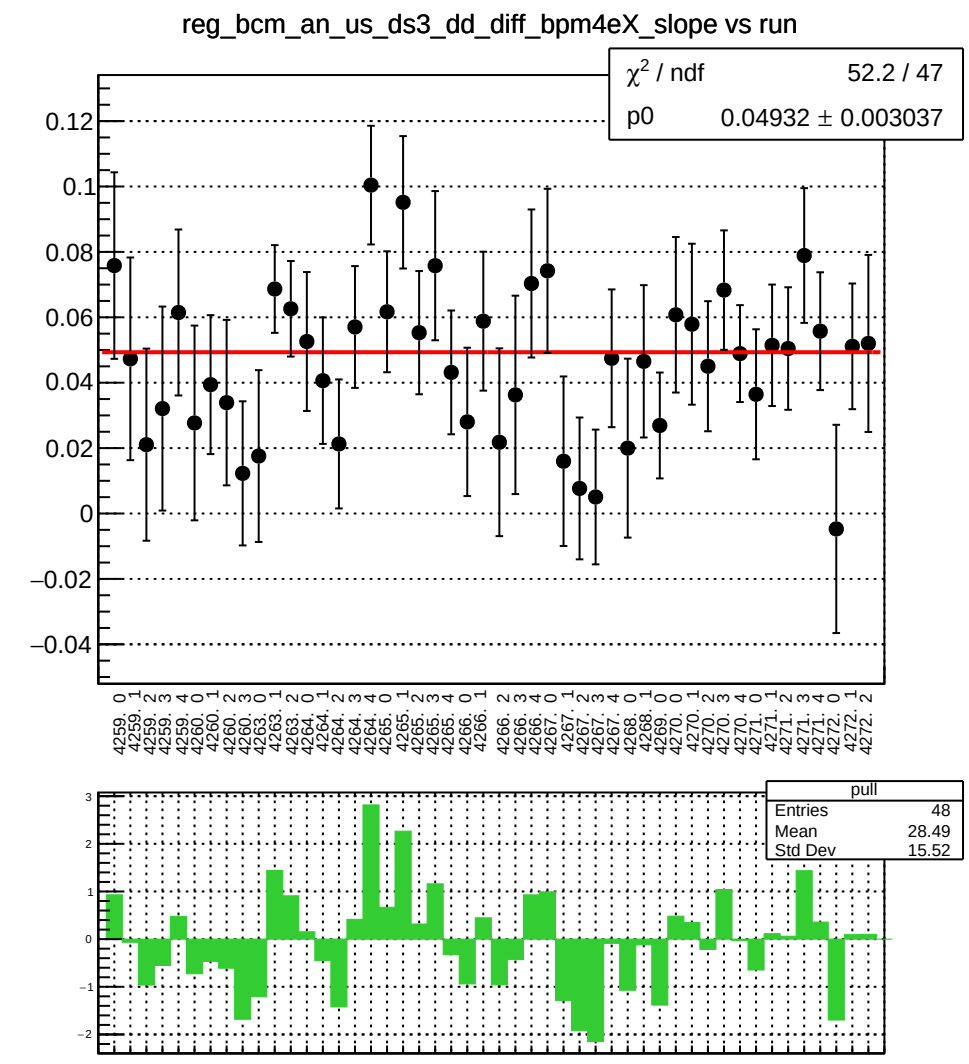

pull1D
Entries 48
Mean −0.122
Std Dev 1.868

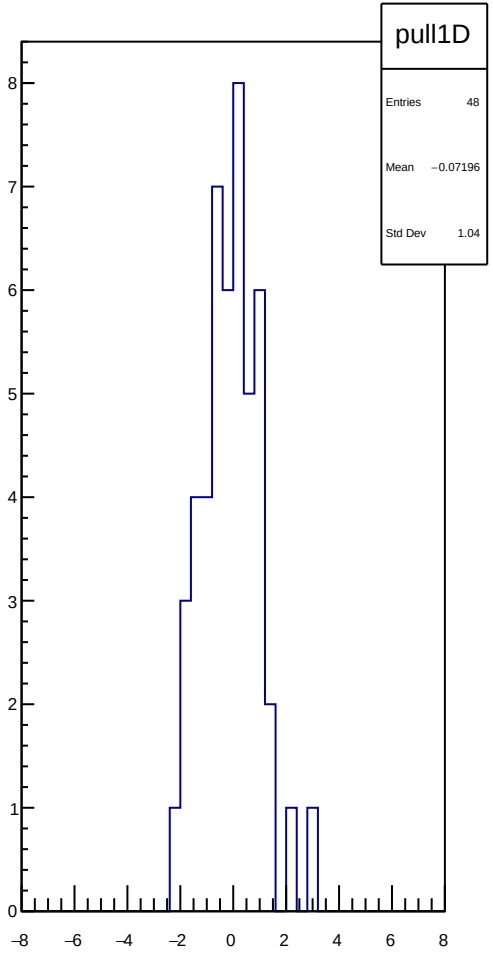

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 31.34 / 47
p0 0.01373 ± 0.01709
pull
Entries 48
Mean −447.1
Std Dev 468.2

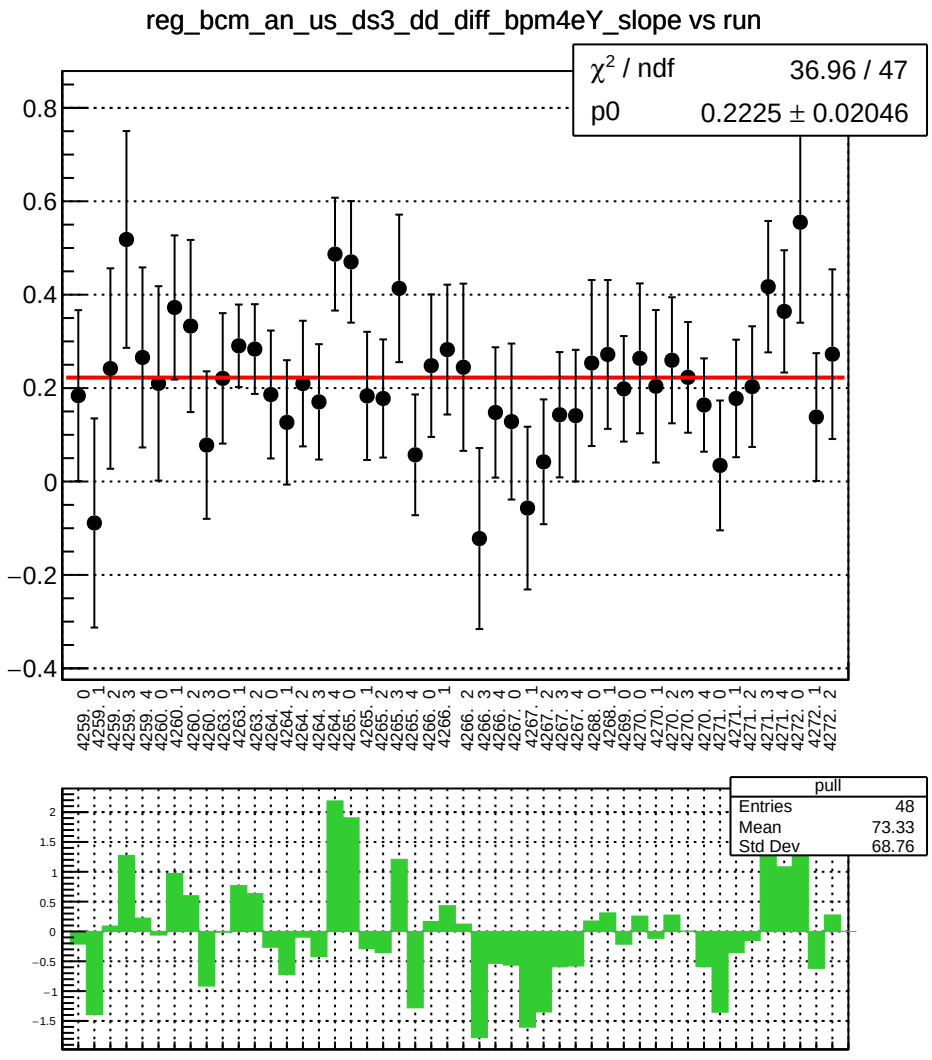

pull1D
Entries 48
Mean −0.002364
Std Dev 0.8081

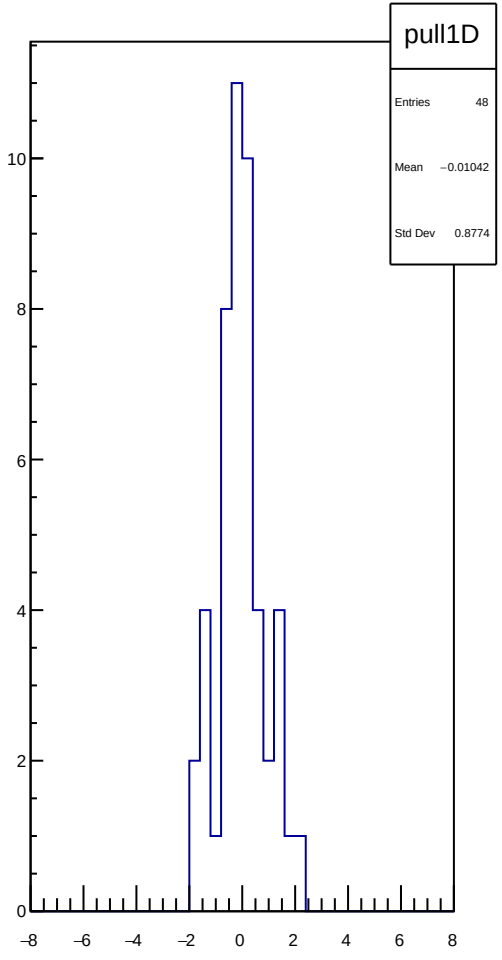

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.71 / 47
p0 −0.1361± 0.01203
pull
Entries 48
Mean 519.1
Std Dev 511.2

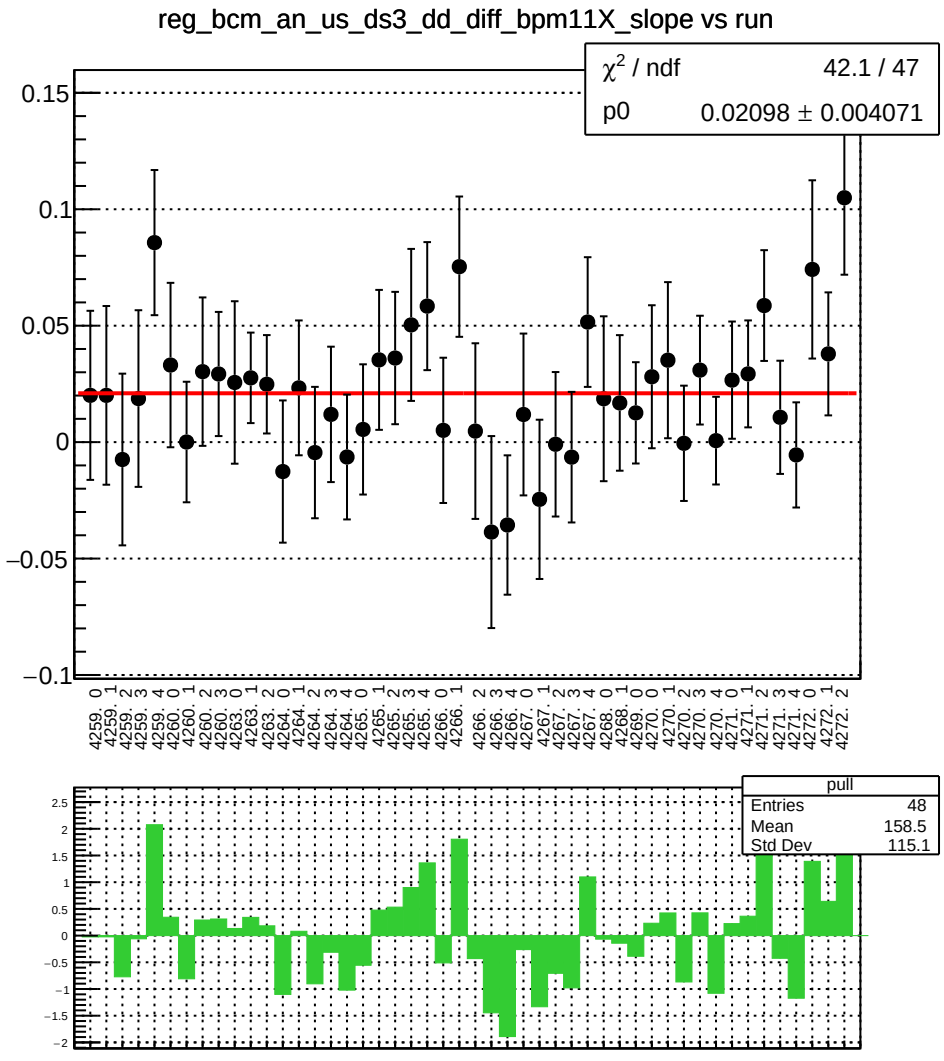

pull1D
Entries 48
Mean 0.001601
Std Dev 0.9096

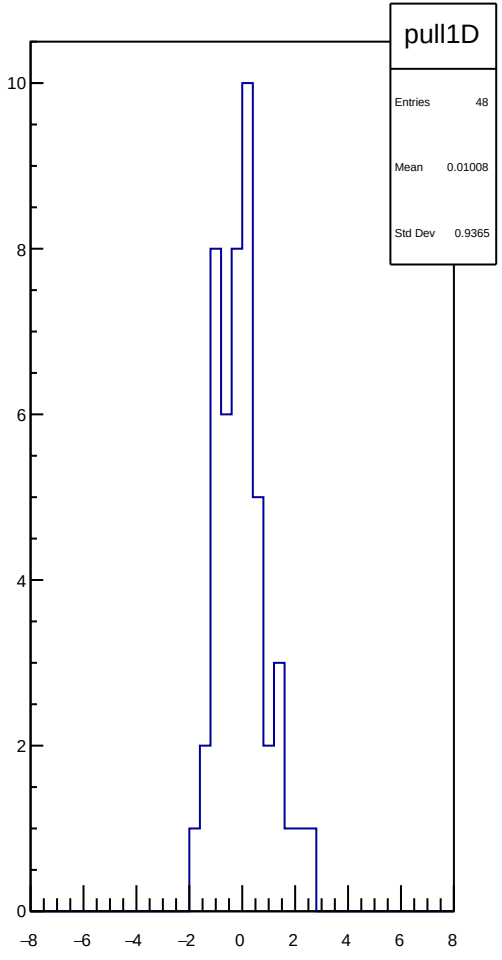

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.2 / 47
p0 0.04932 ± 0.003037
pull
Entries 48
Mean 28.49
Std Dev 15.52

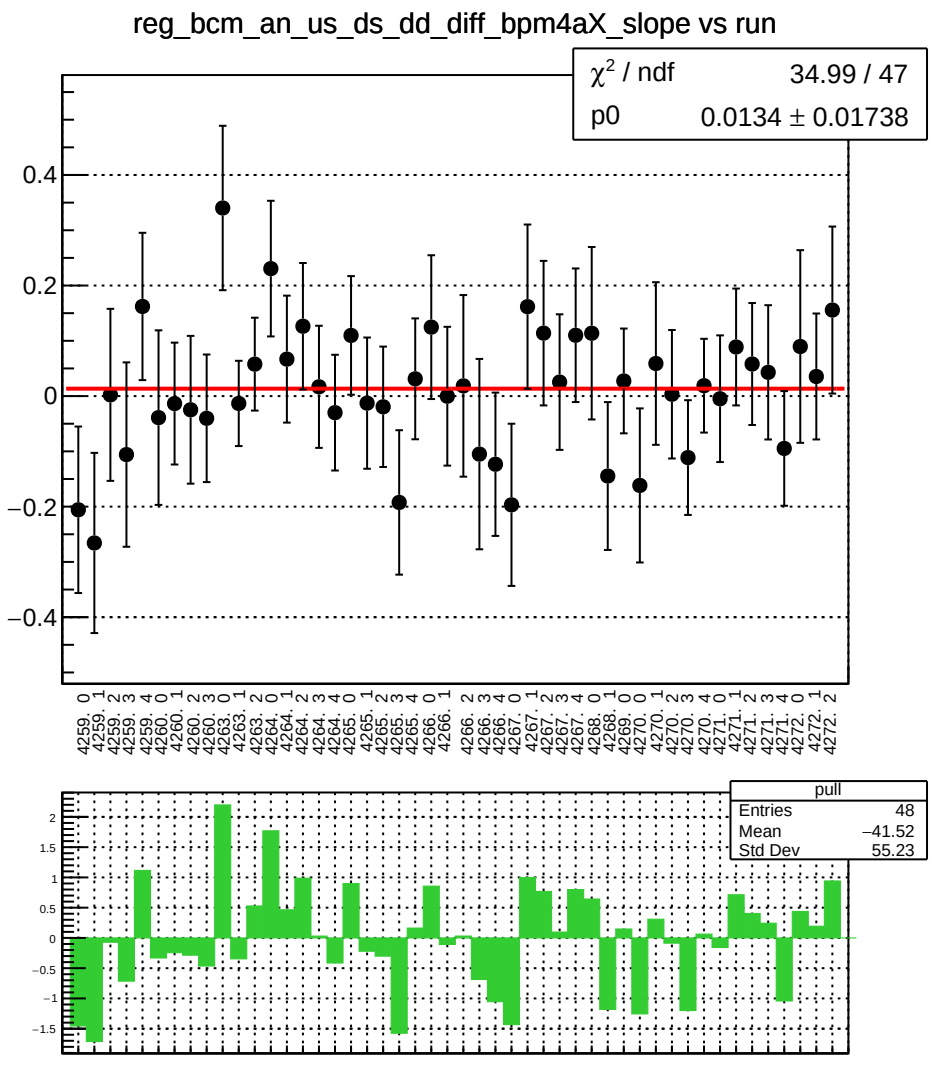

pull1D
Entries 48
Mean −0.07196
Std Dev 1.04

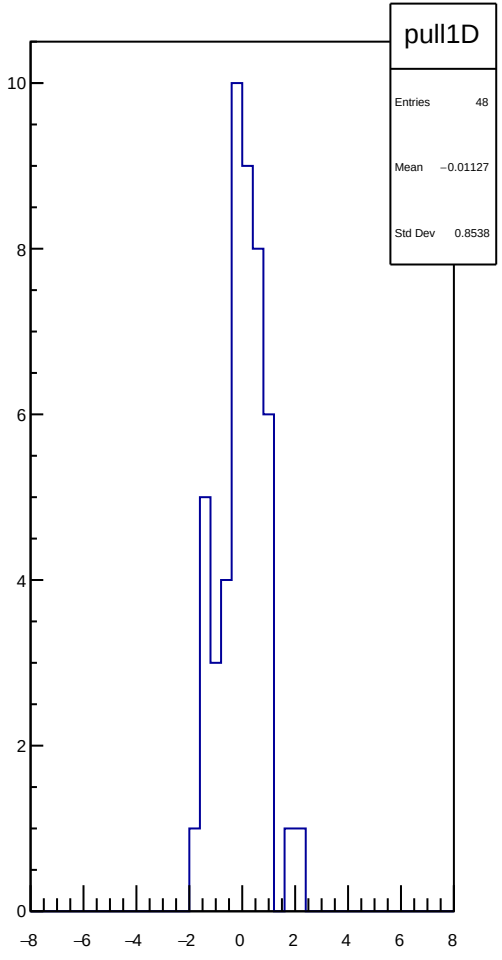

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.96 / 47
p0 0.2225 ± 0.02046
pull
Entries 48
Mean 73.33
Std Dev 68.76

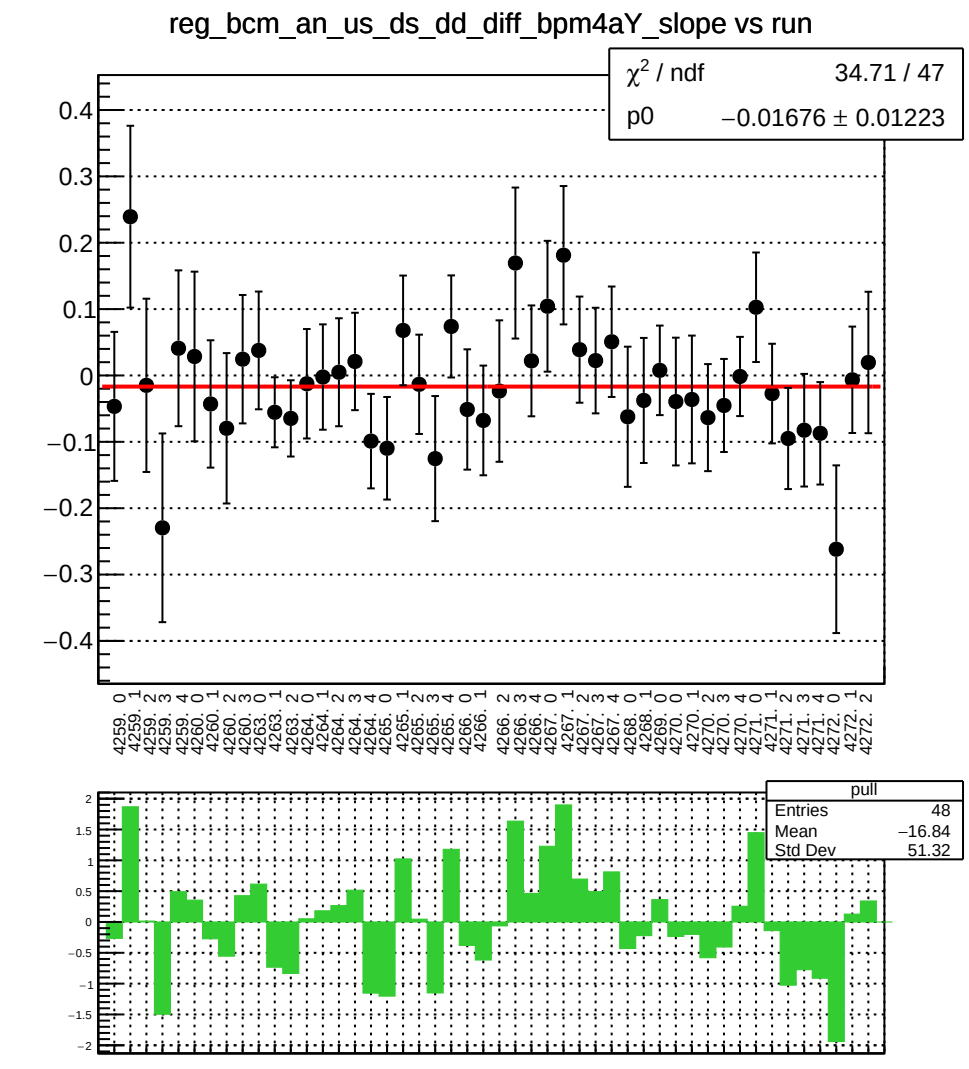

pull1D
Entries 48
Mean −0.01042
Std Dev 0.8774

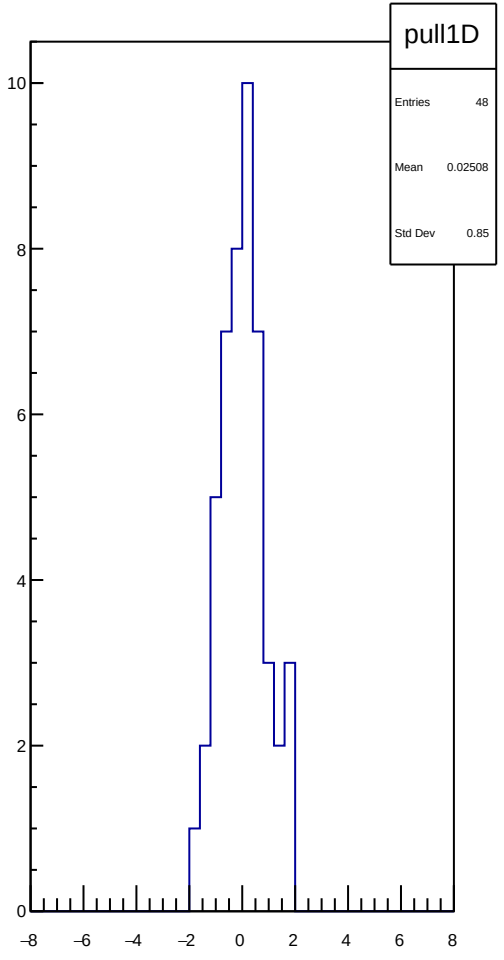

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 42.1 / 47
p0 0.02098 ± 0.004071
pull
Entries 48
Mean 158.5
Std Dev 115.1

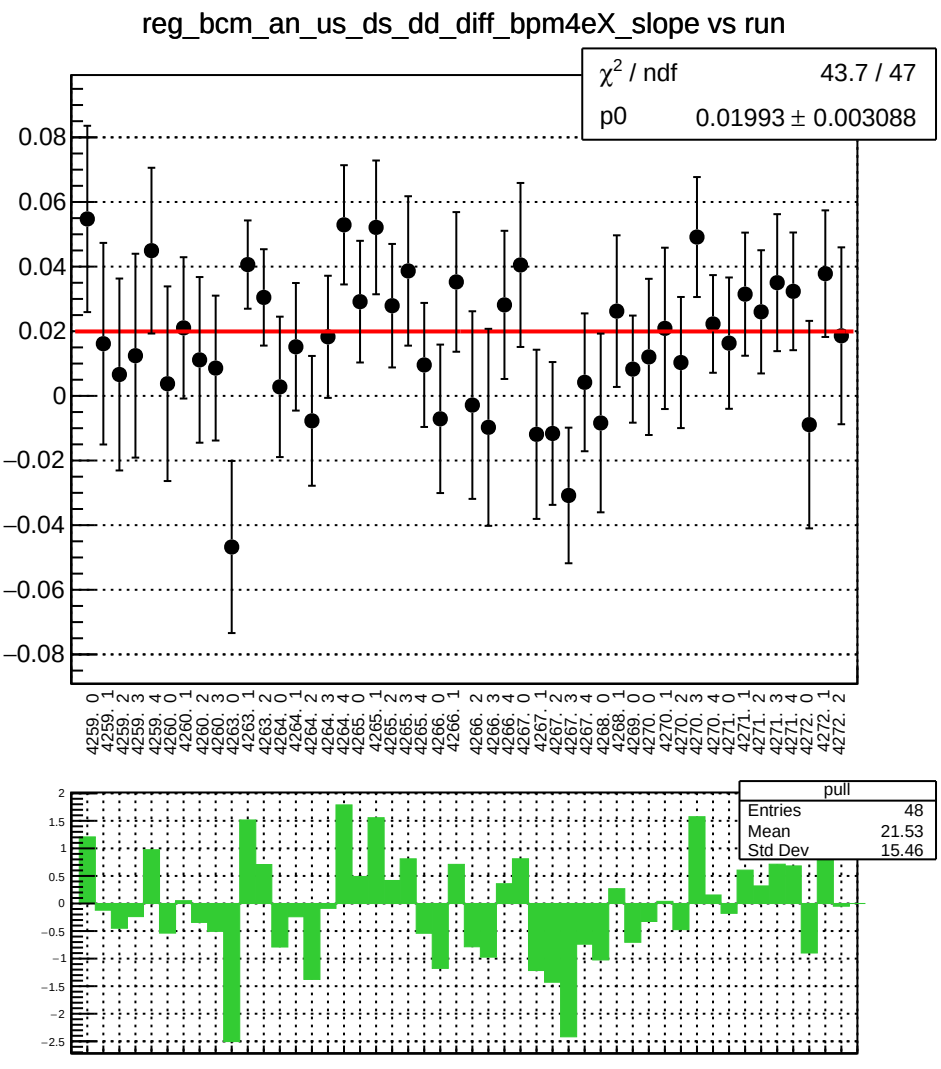

pull1D
Entries 48
Mean 0.01008
Std Dev 0.9365

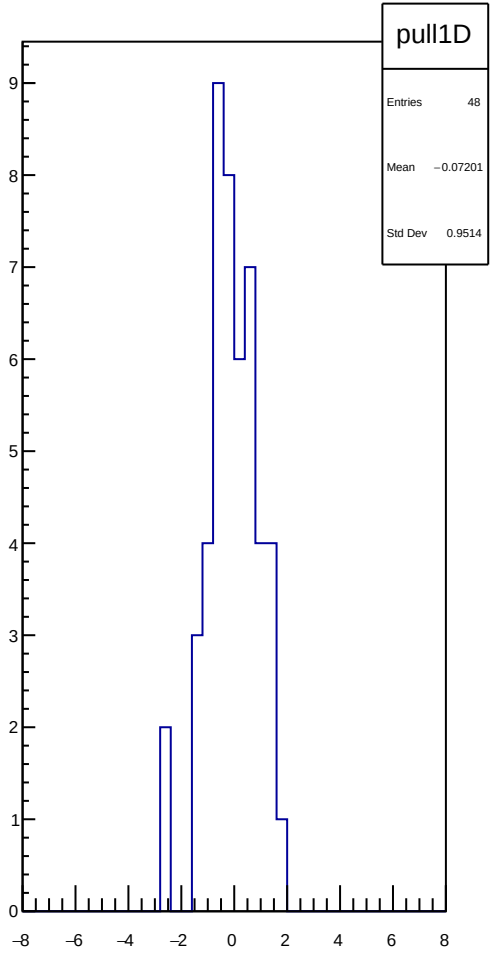

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.99 / 47
p0 0.0134 ± 0.01738
pull
Entries 48
Mean −41.52
Std Dev 55.23

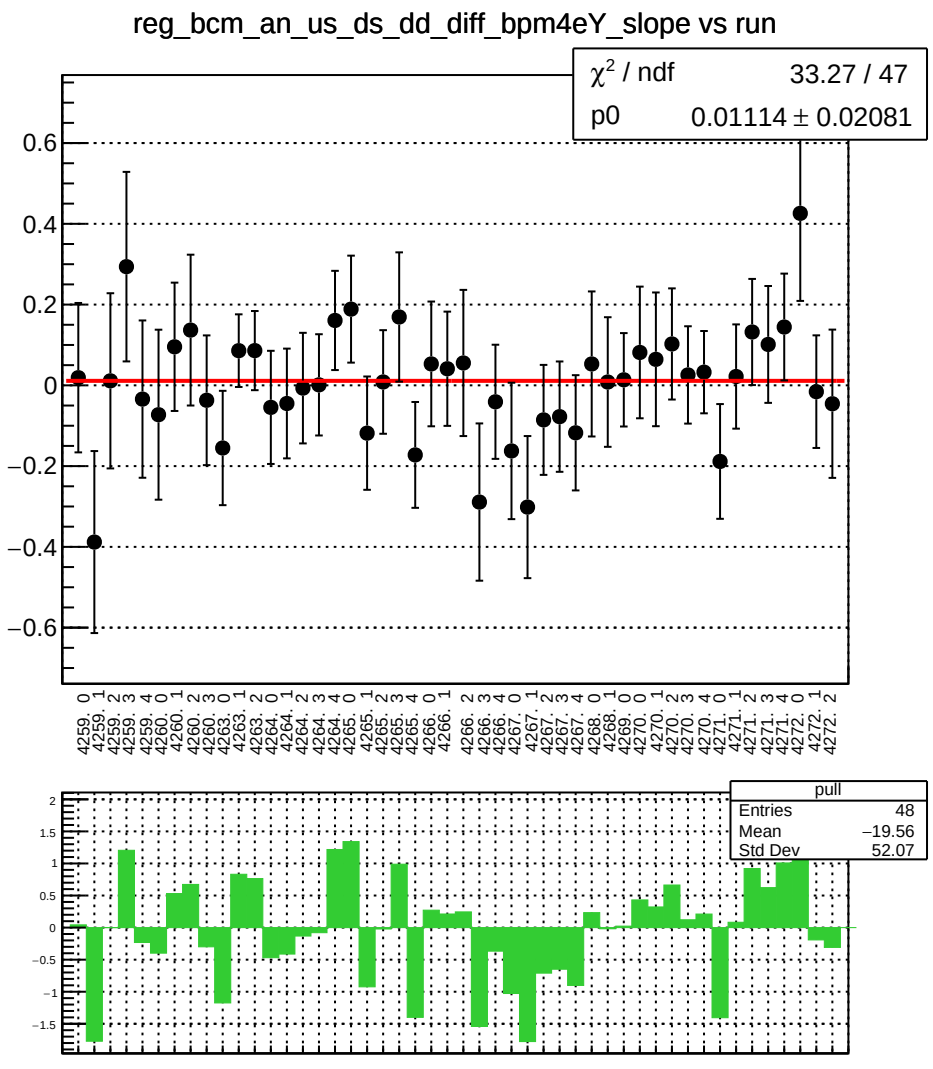

pull1D
Entries 48
Mean −0.01127
Std Dev 0.8538

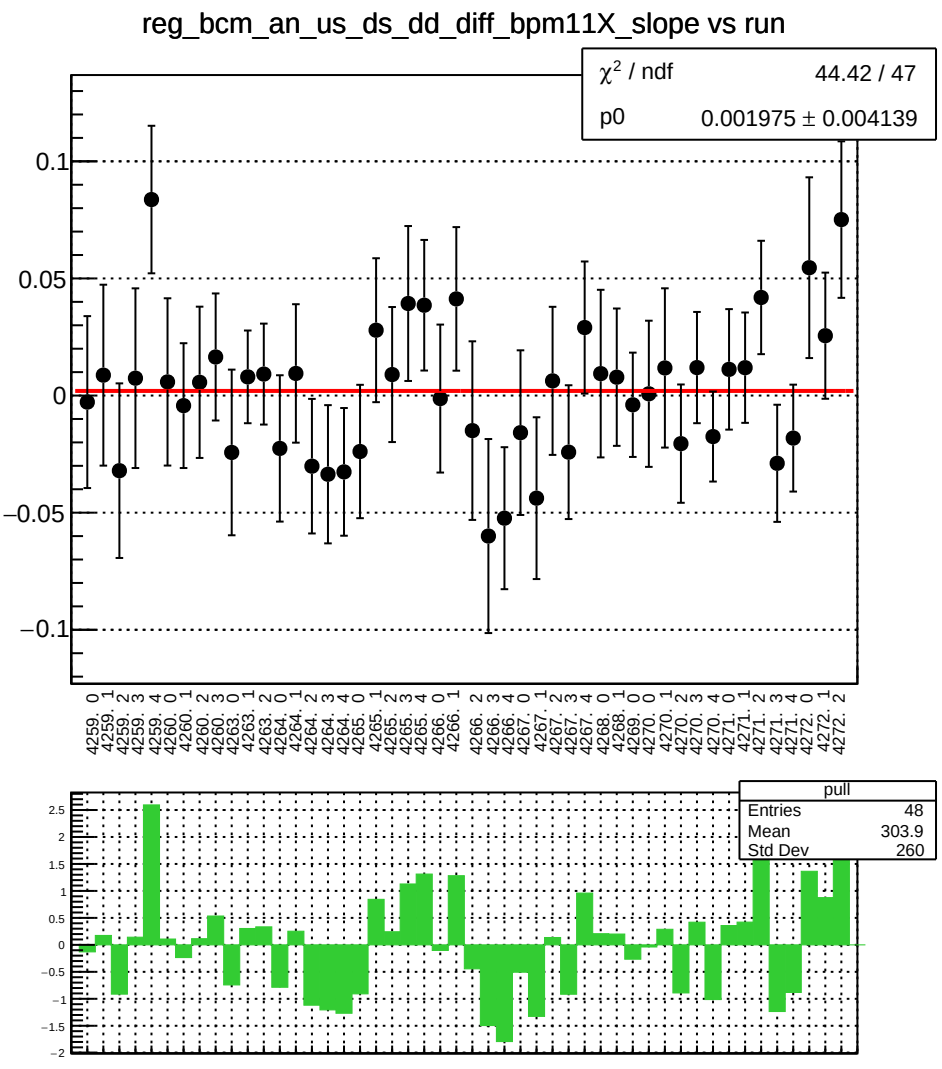

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.71 / 47
p0 −0.01676 ± 0.01223
pull
Entries 48
Mean −16.84
Std Dev 51.32

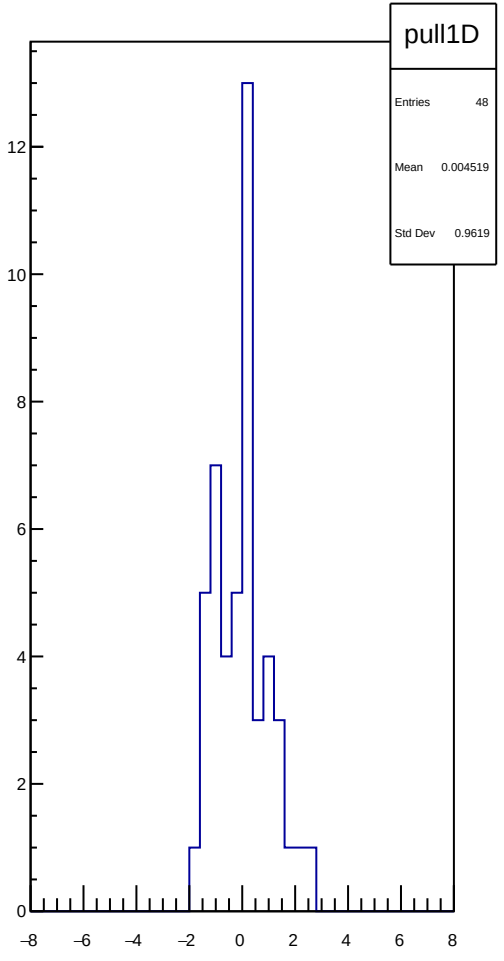

pull1D
Entries 48
Mean 0.02508
Std Dev 0.85

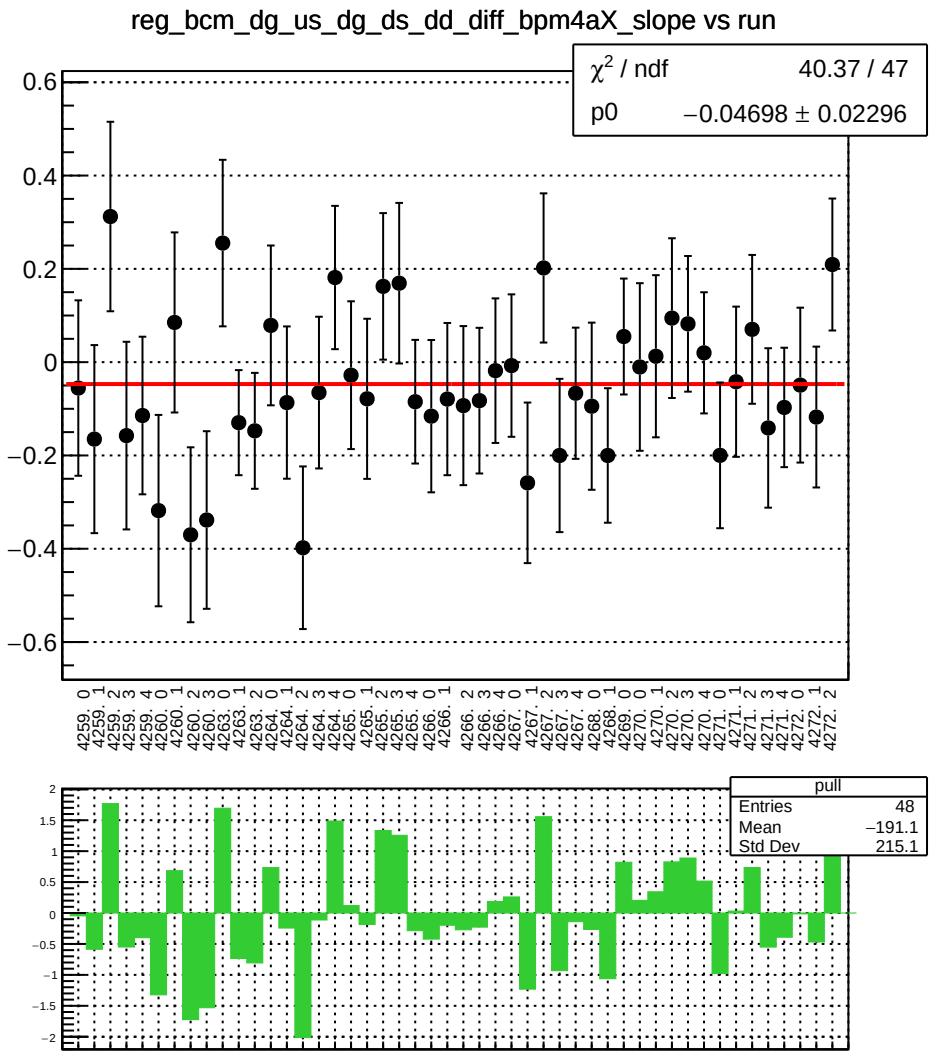

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.7 / 47
p0 0.01993 ± 0.003088
pull
Entries 48
Mean 21.53
Std Dev 15.46

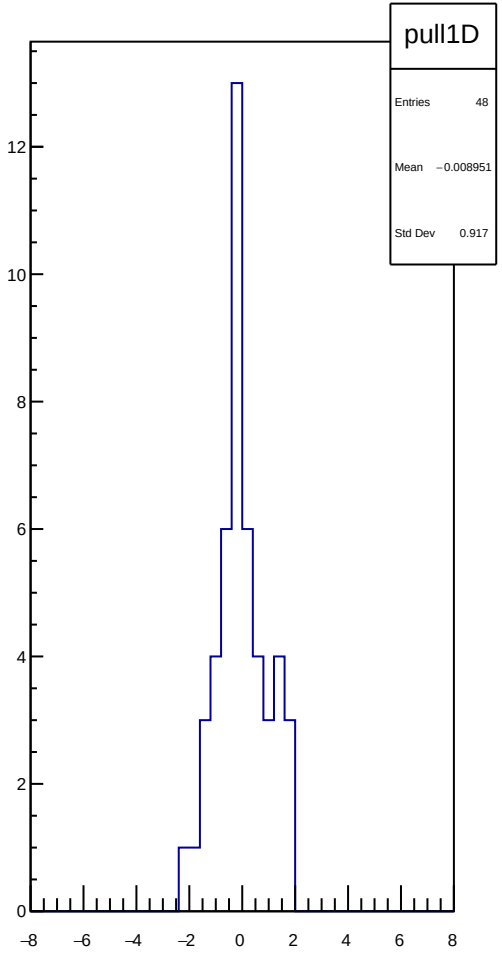

pull1D
Entries 48
Mean −0.07201
Std Dev 0.9514

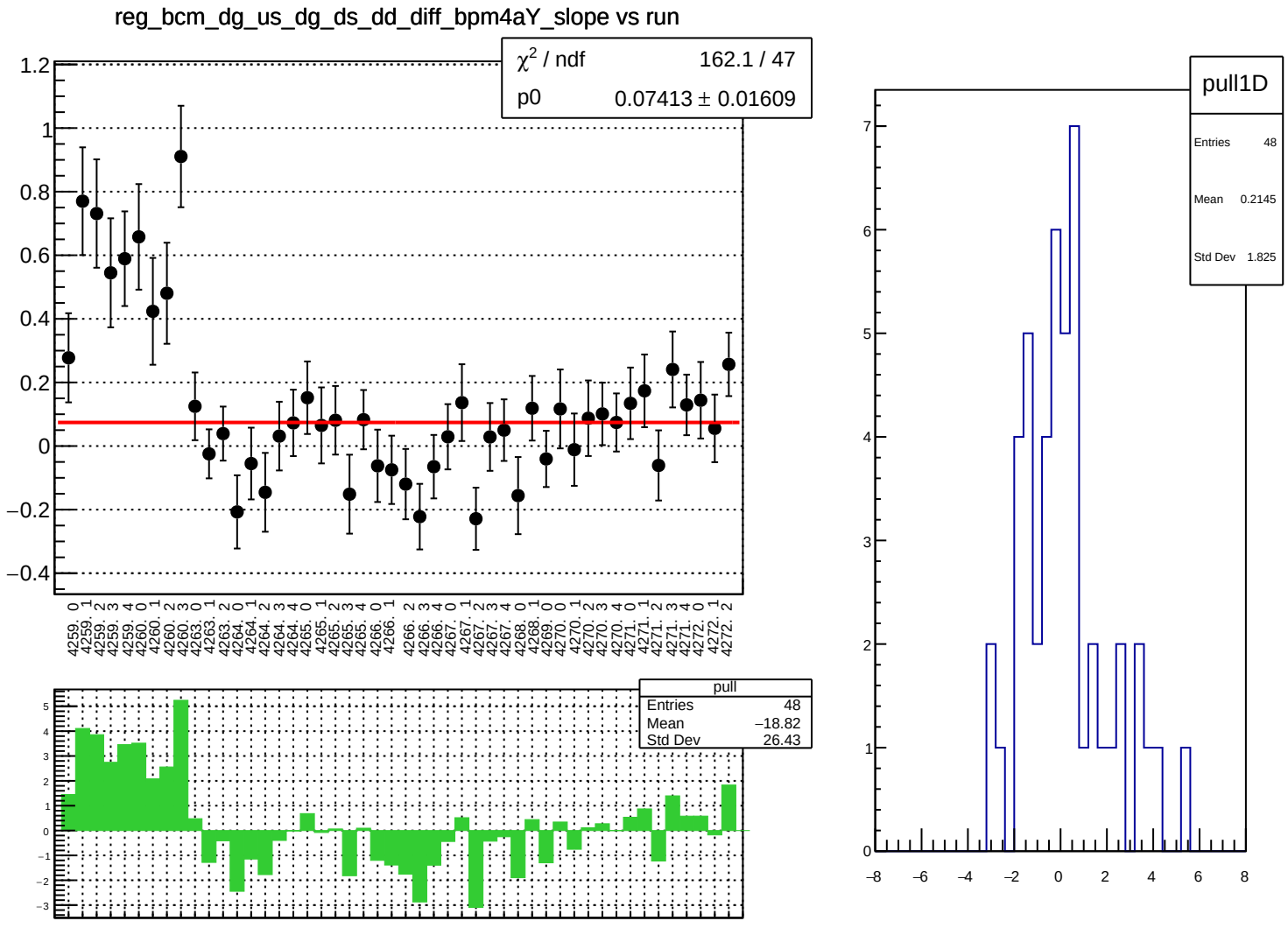

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.27 / 47
p0 0.01114 ± 0.02081
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −19.56
Std Dev 52.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 48
Mean −0.02781
Std Dev 0.8321
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

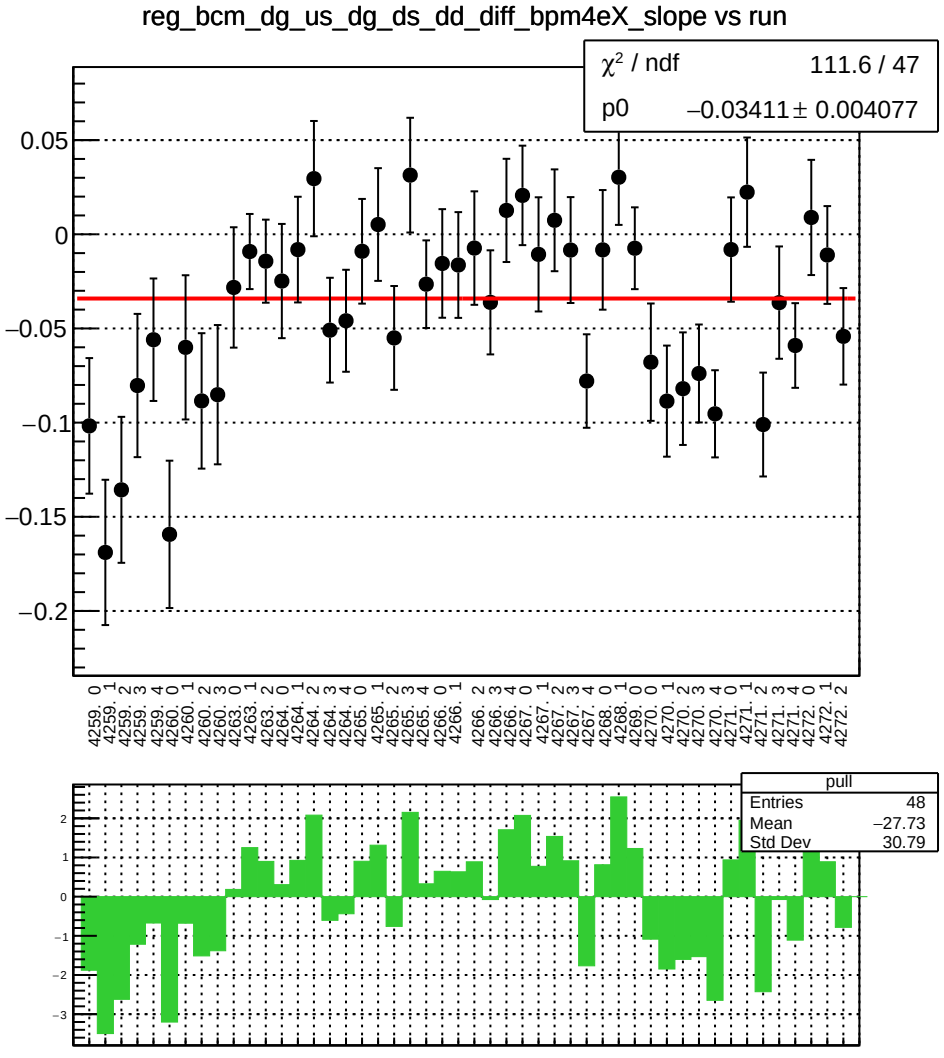

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 44.42 / 47
p0 0.001975 ± 0.004139
pull
Entries 48
Mean 303.9
Std Dev 260

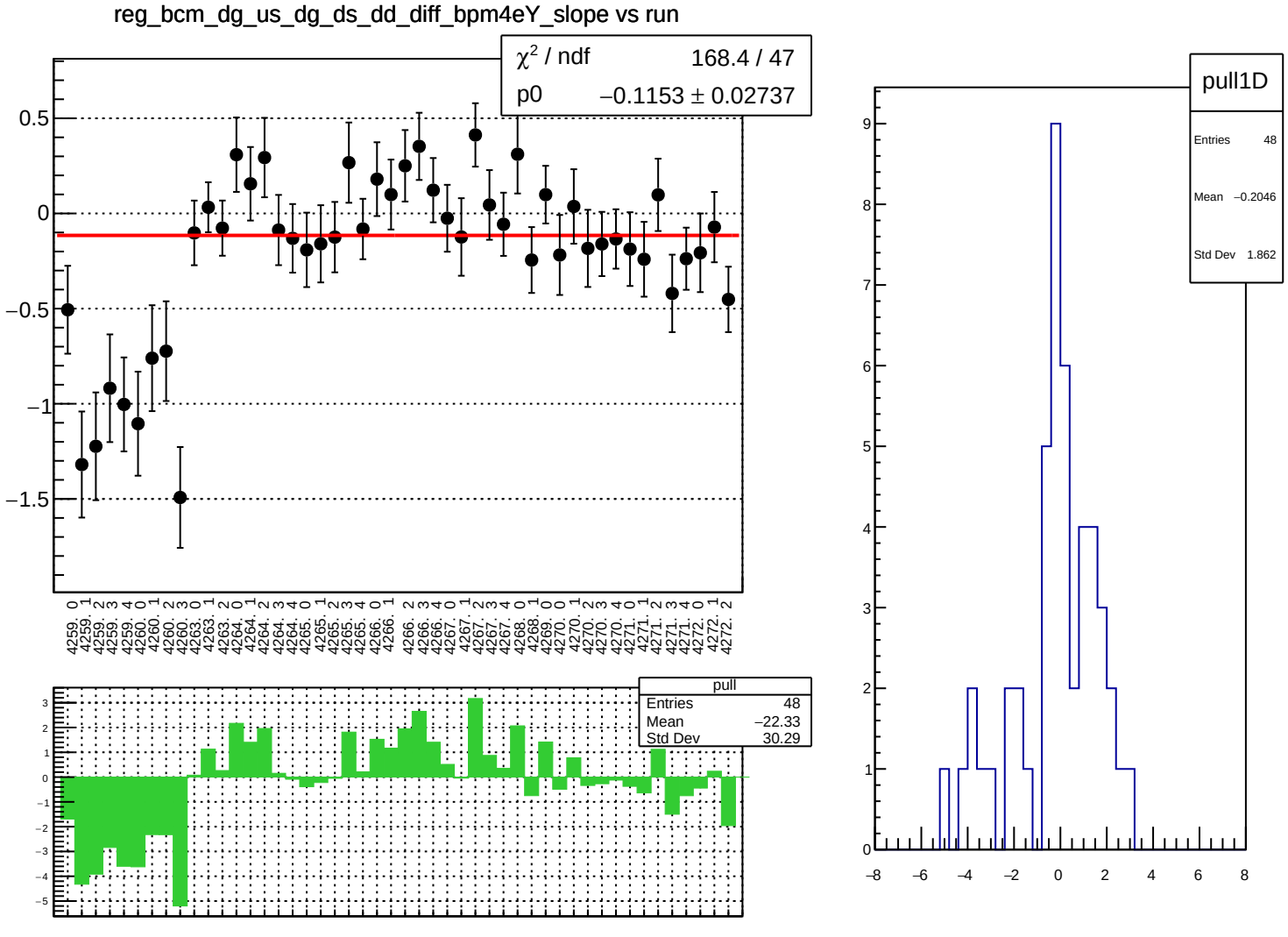

pull1D
Entries 48
Mean 0.004519
Std Dev 0.9619

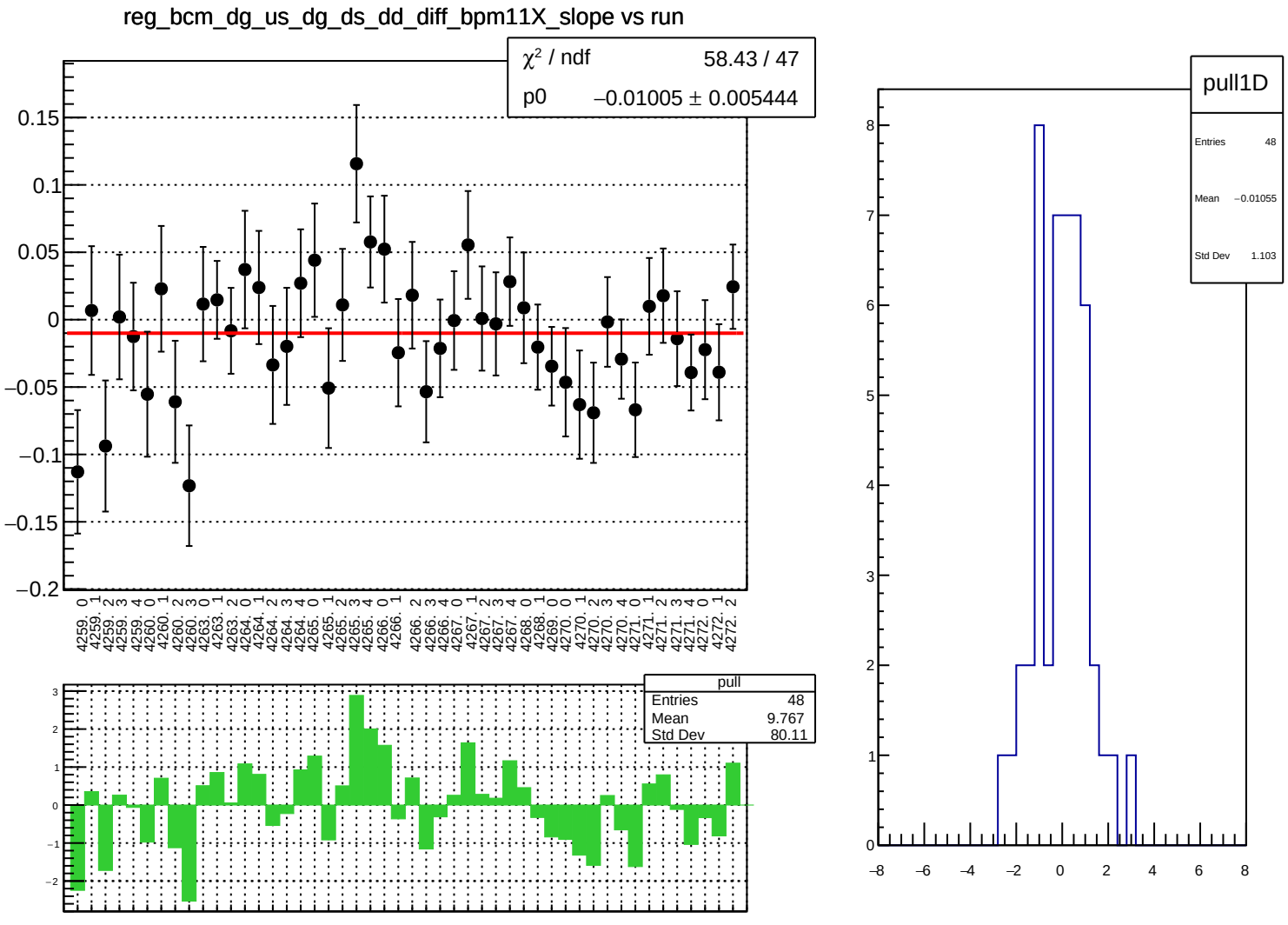

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.37 / 47
p0 −0.04698 ± 0.02296
pull
Entries 48
Mean −191.1
Std Dev 215.1

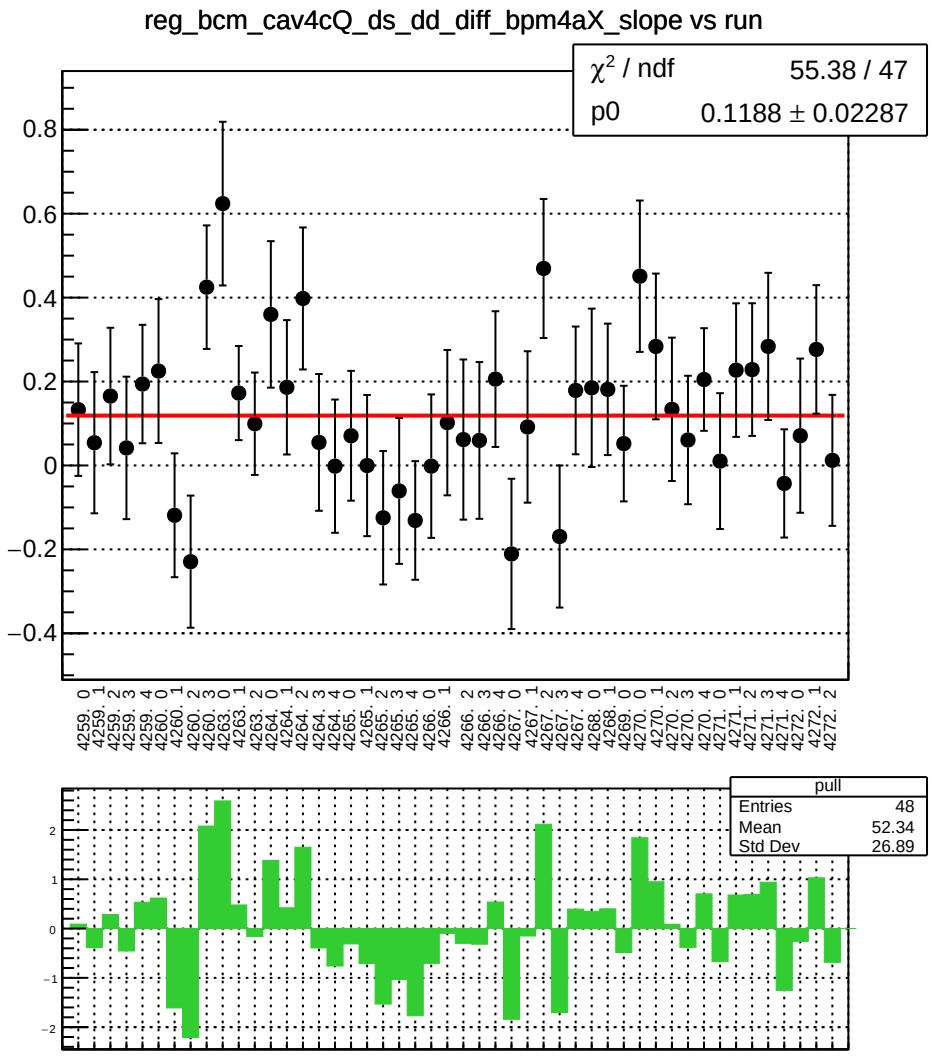

pull1D
Entries 48
Mean −0.008951
Std Dev 0.917

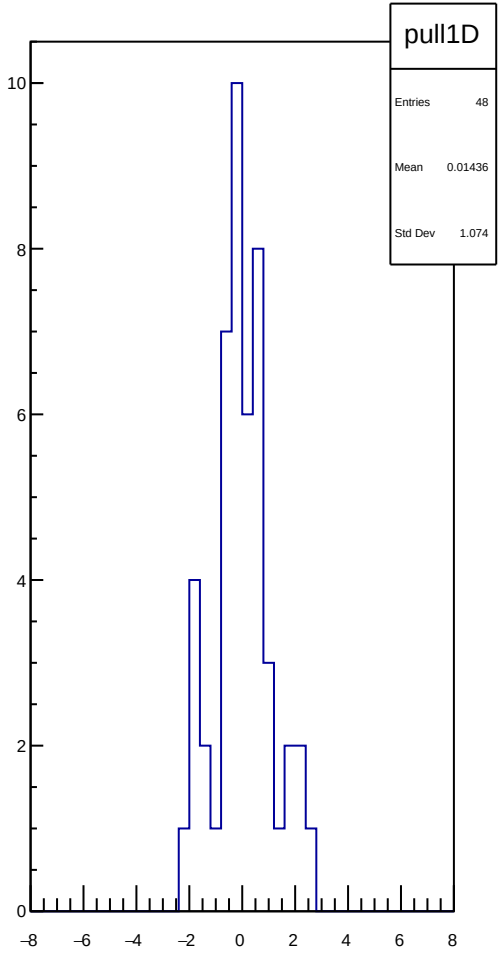

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 162.1 / 47
p0 0.07413 ± 0.01609
pull
Entries 48
Mean −18.82
Std Dev 26.43
pull1D
Entries 48
Mean 0.2145
Std Dev 1.825

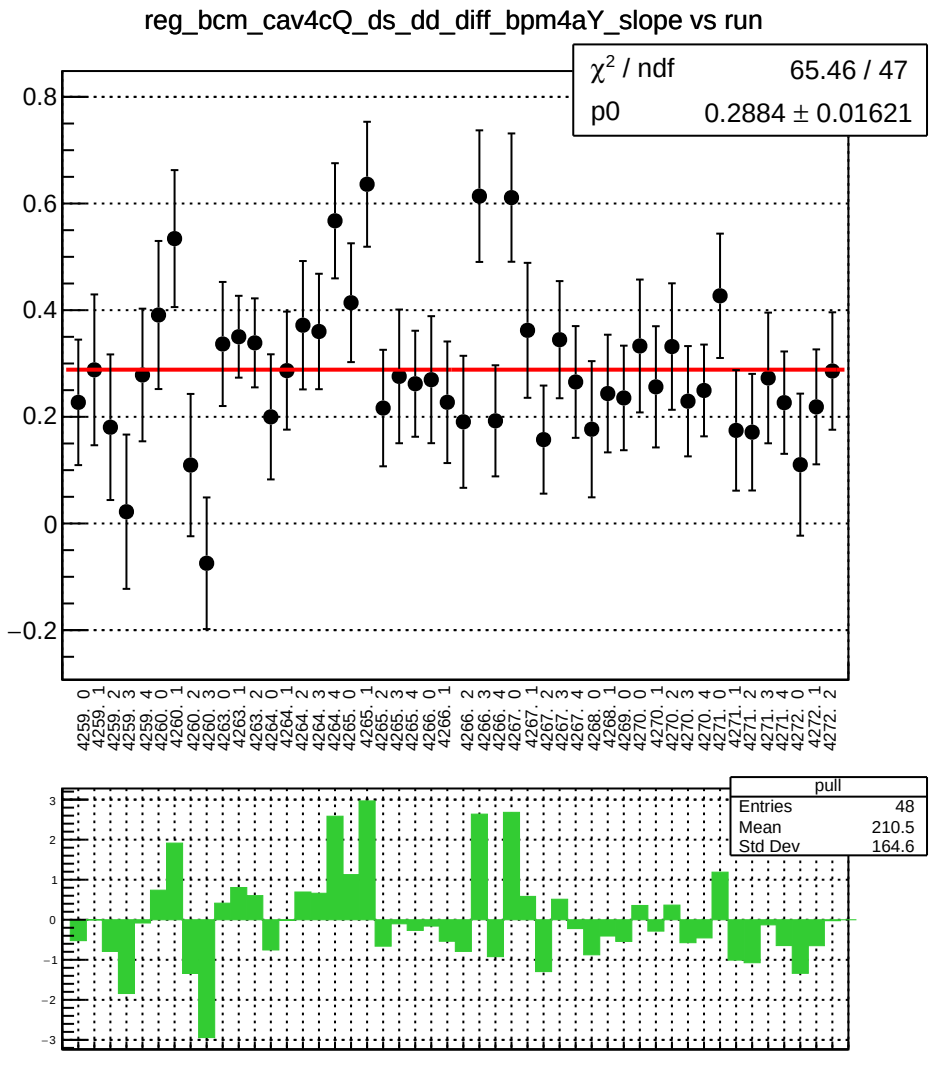

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 111.6 / 47
p0 −0.03411 ± 0.004077
0.05
0
−0.05
−0.1
−0.15
−0.2
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −27.73
Std Dev 30.79
2
1
0
−1
−2
−3
pull1D
Entries 48
Mean −0.08552
Std Dev 1.522
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

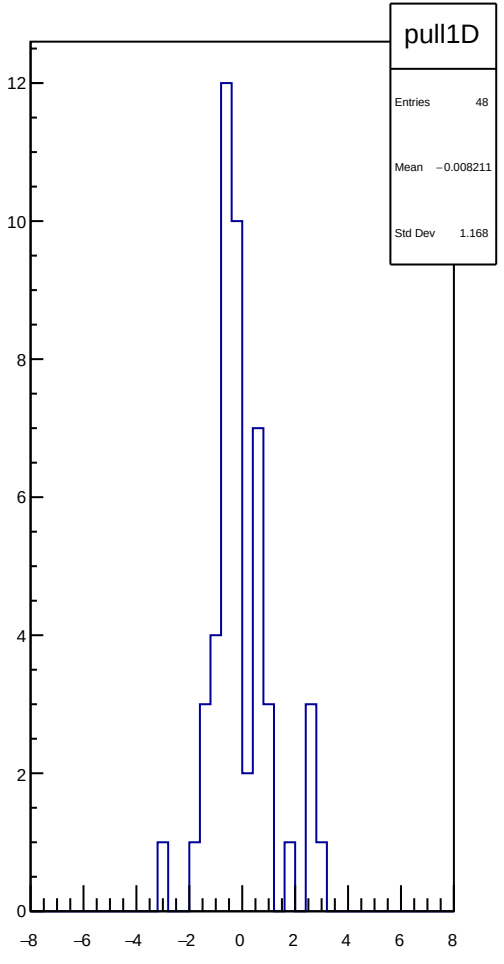

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 168.4 / 47
p0 −0.1153 ± 0.02737
0.5
0
−0.5
−1
−1.5
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean −22.33
Std Dev 30.29
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 48
Mean −0.2046
Std Dev 1.862
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

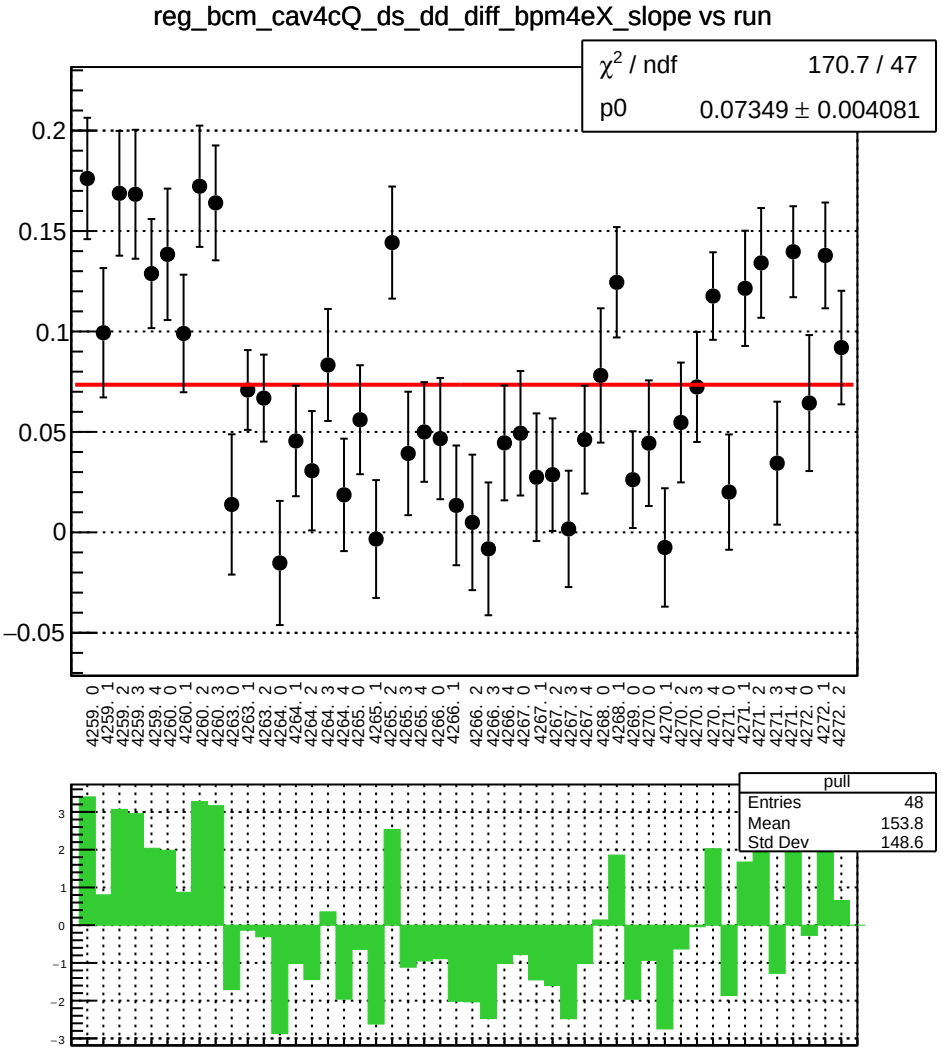

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 58.43 / 47
p0 −0.01005 ± 0.005444
pull
Entries 48
Mean 9.767
Std Dev 80.11
pull1D
Entries 48
Mean −0.01055
Std Dev 1.103

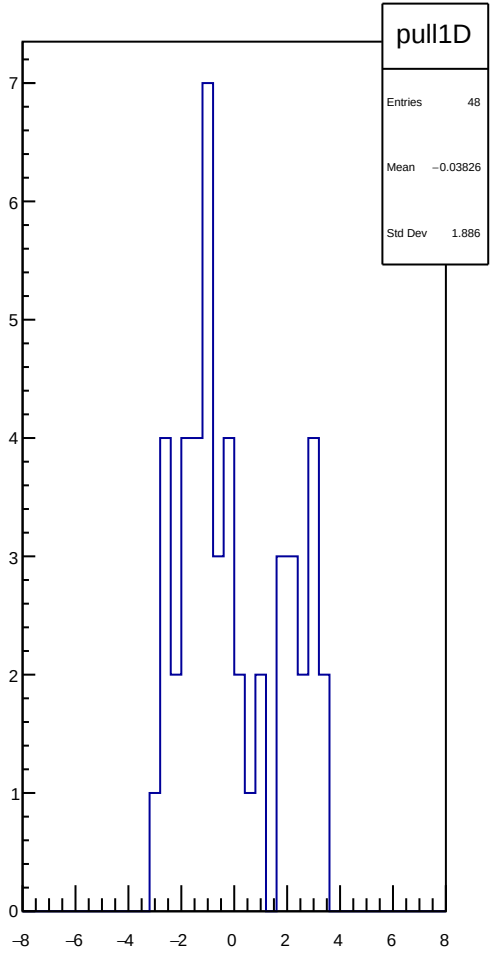

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 55.38 / 47
p0 0.1188 ± 0.02287
pull
Entries 48
Mean 52.34
Std Dev 26.89

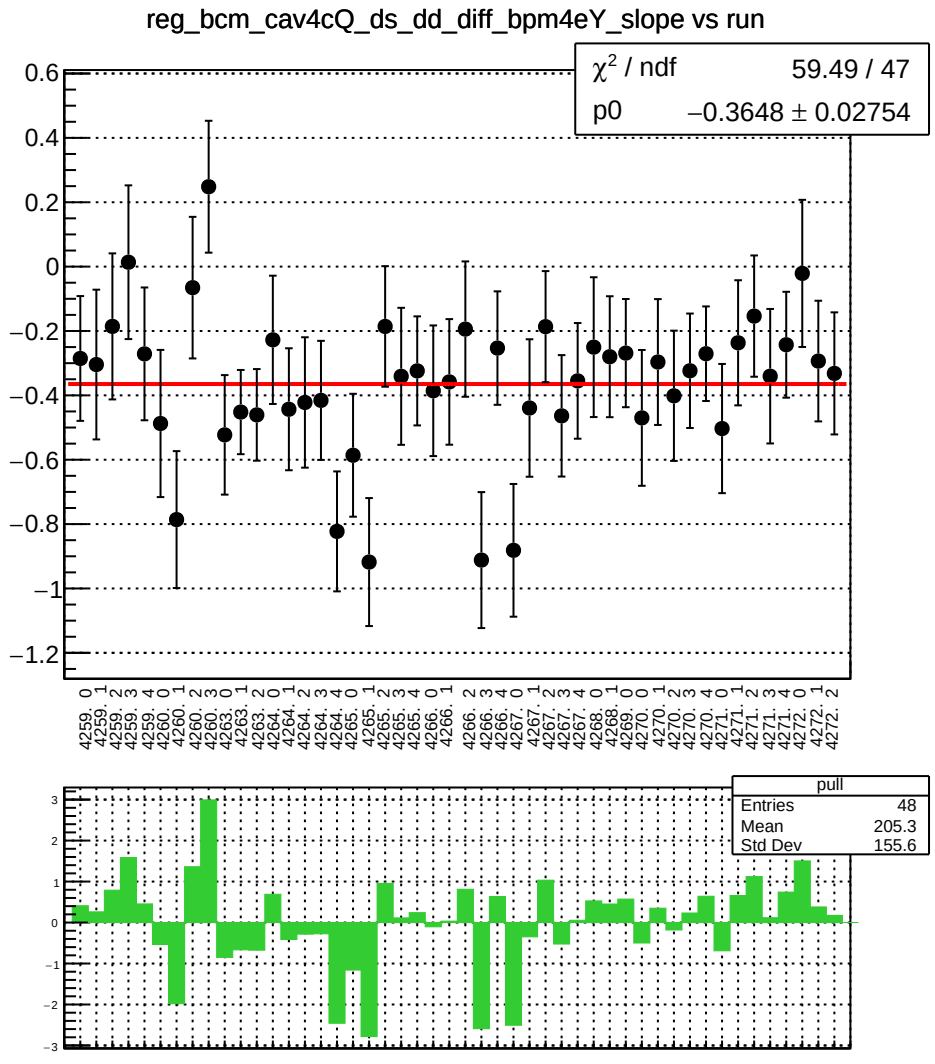

pull1D
Entries 48
Mean 0.01436
Std Dev 1.074

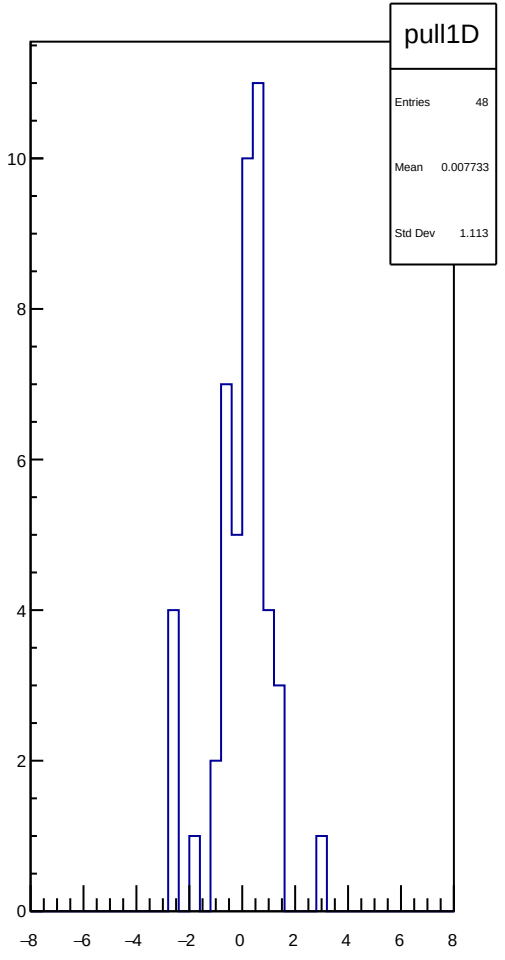

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.46 / 47
p0 0.2884 ± 0.01621
pull
Entries 48
Mean 210.5
Std Dev 164.6

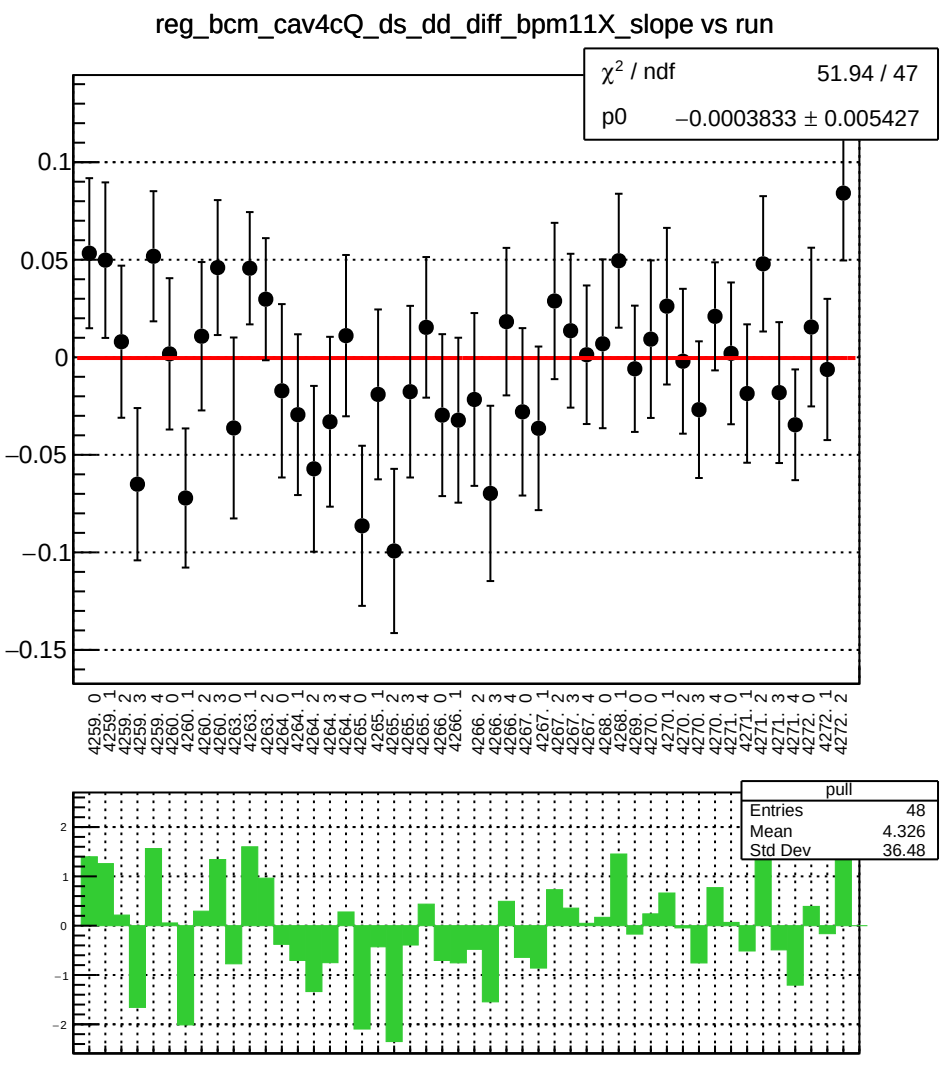

pull1D
Entries 48
Mean −0.008211
Std Dev 1.168

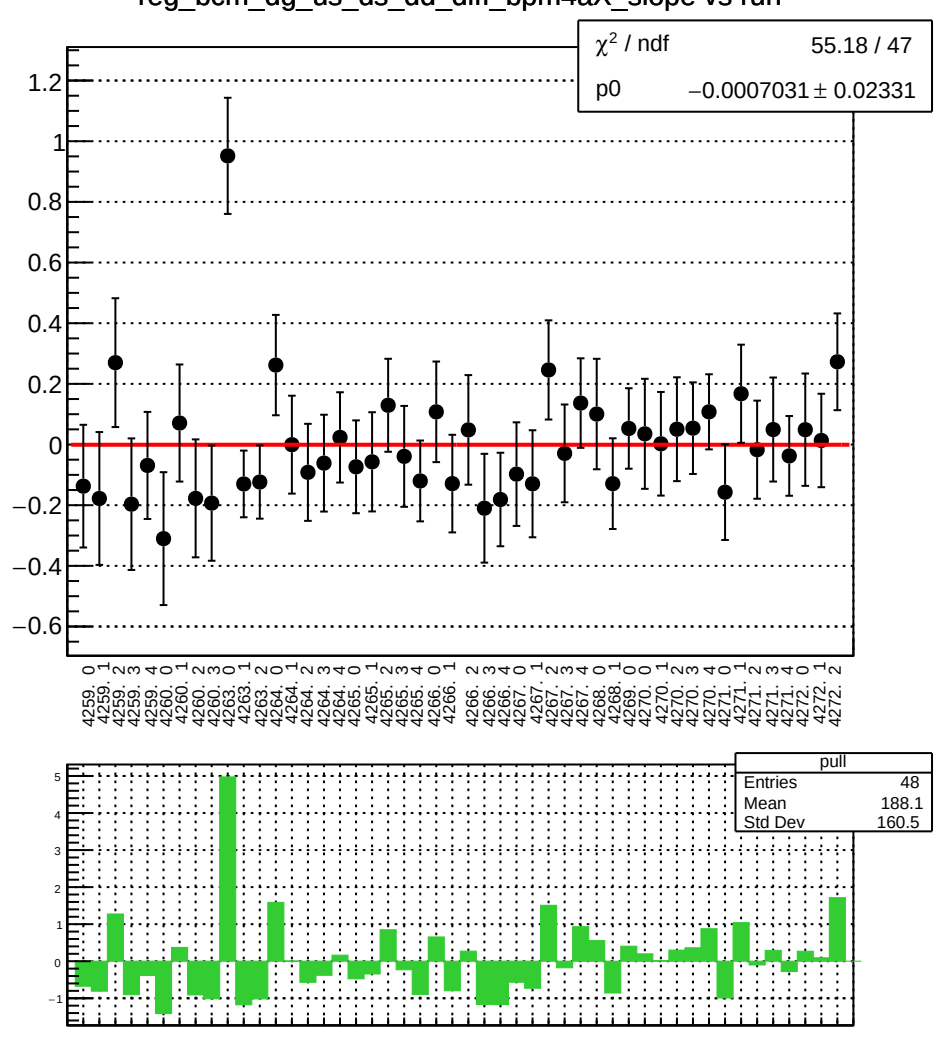

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 170.7 / 47
p0 0.07349 ± 0.004081
pull
Entries 48
Mean 153.8
Std Dev 148.6

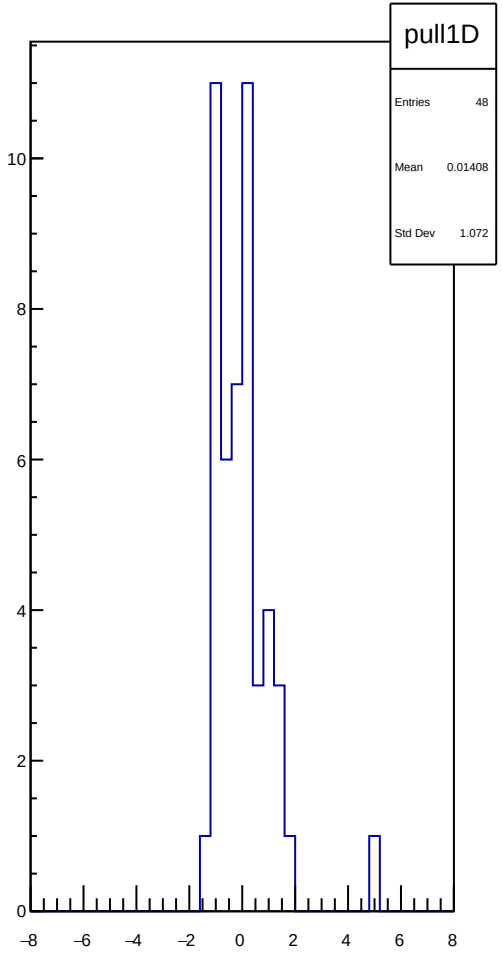

pull1D
Entries 48
Mean −0.03826
Std Dev 1.886

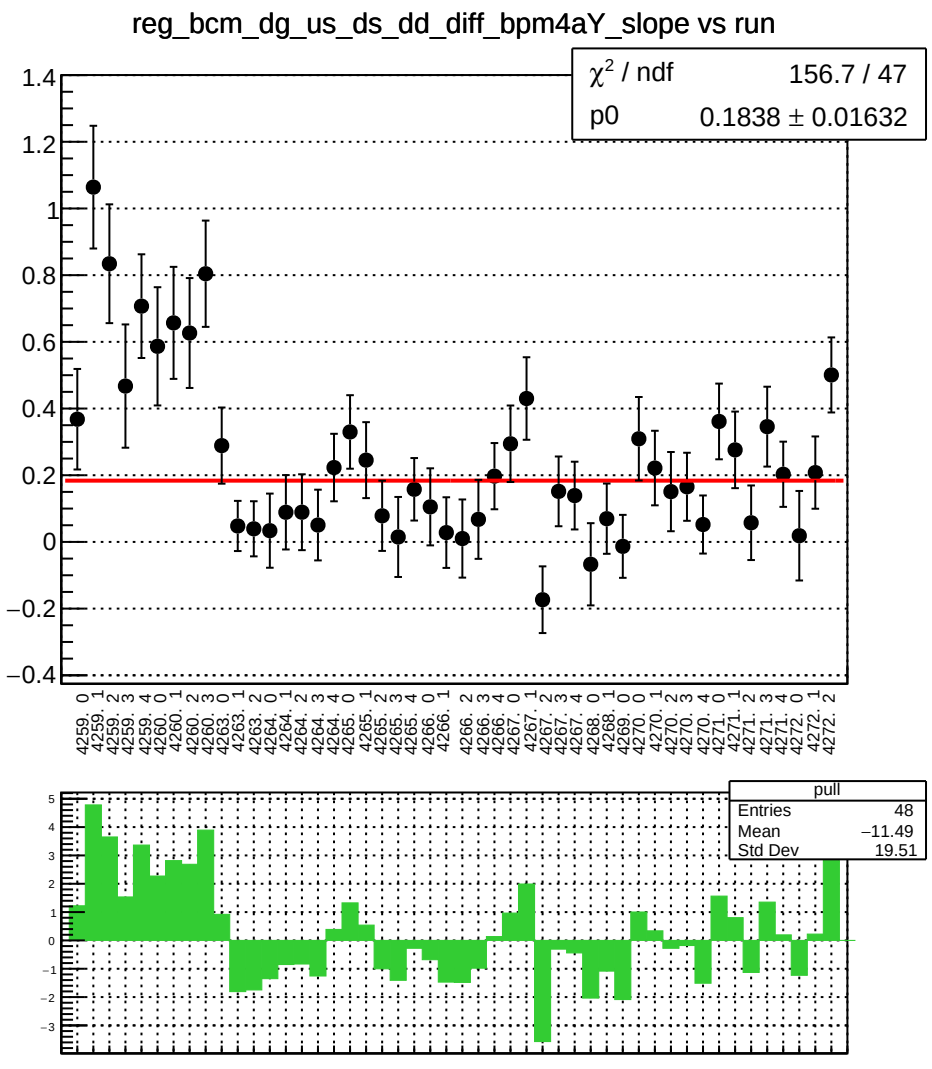

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.49 / 47
p0 −0.3648 ± 0.02754
pull
Entries 48
Mean 205.3
Std Dev 155.6

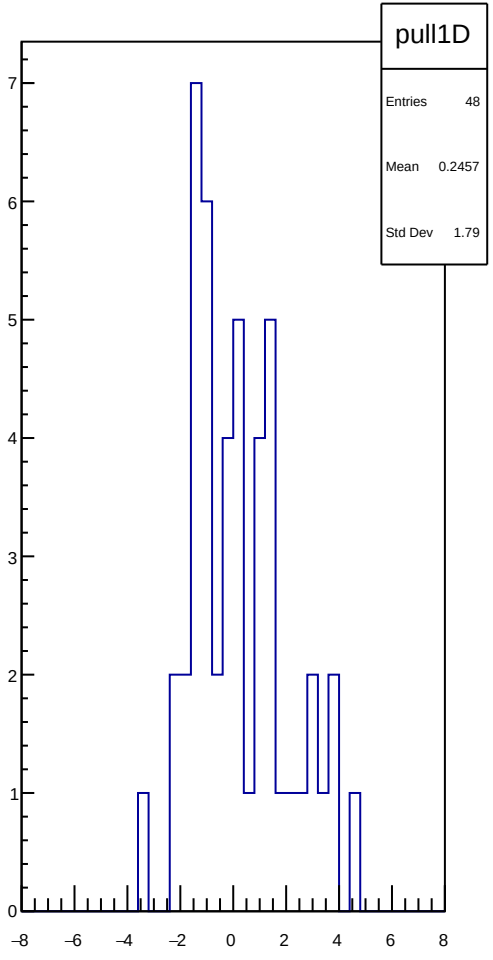

pull1D
Entries 48
Mean 0.007733
Std Dev 1.113

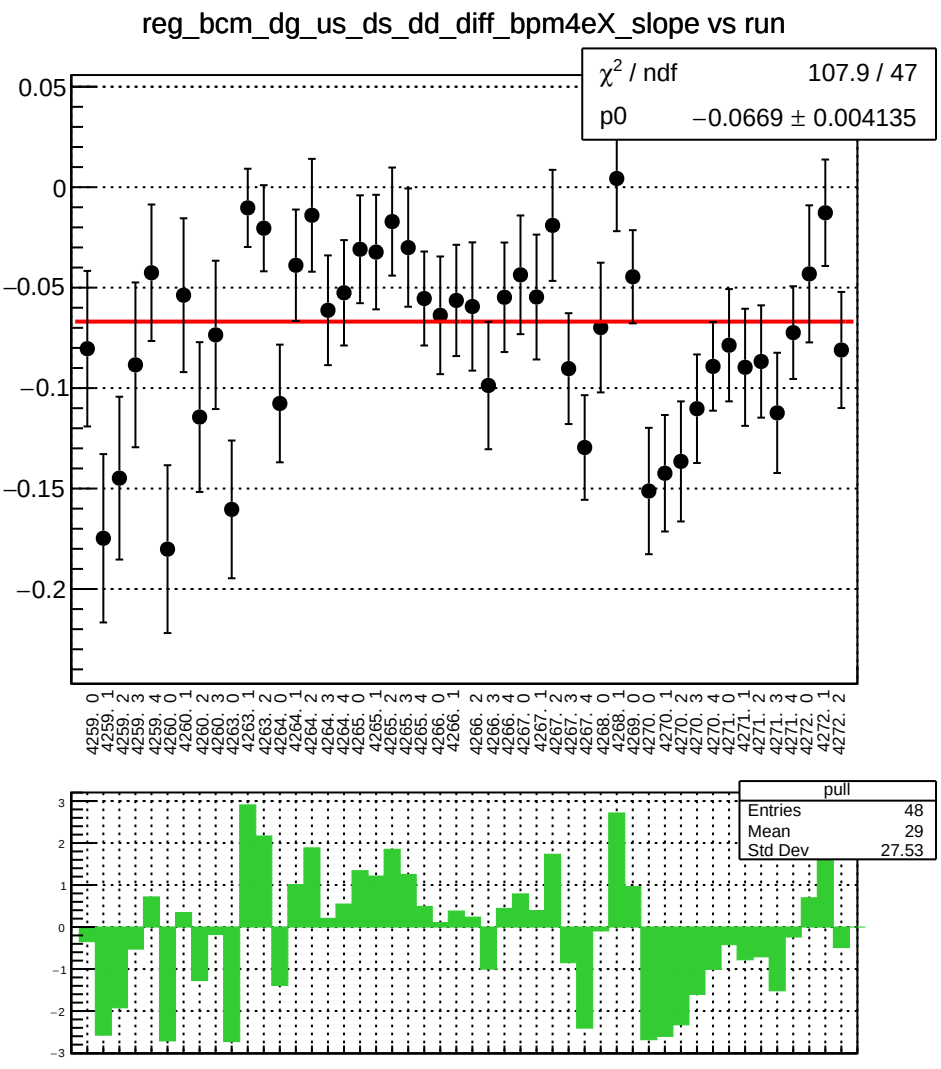

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 51.94 / 47
p0 −0.0003833 ± 0.005427
0.1
0.05
0
−0.05
−0.1
−0.15
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 4.326
Std Dev 36.48
2
1
0
−1
−2
pull1D
Entries 48
Mean −0.05383
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

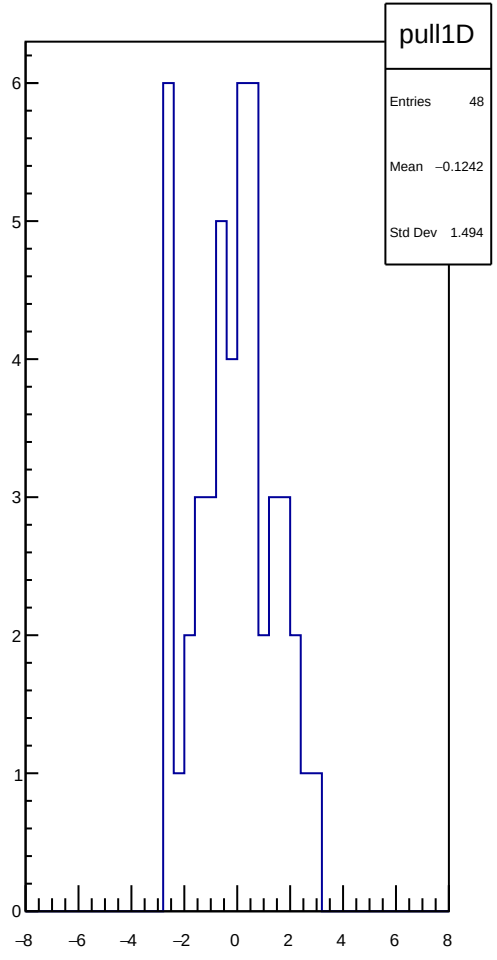

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 55.18 / 47
p0 −0.0007031 ± 0.02331
pull
Entries 48
Mean 188.1
Std Dev 160.5

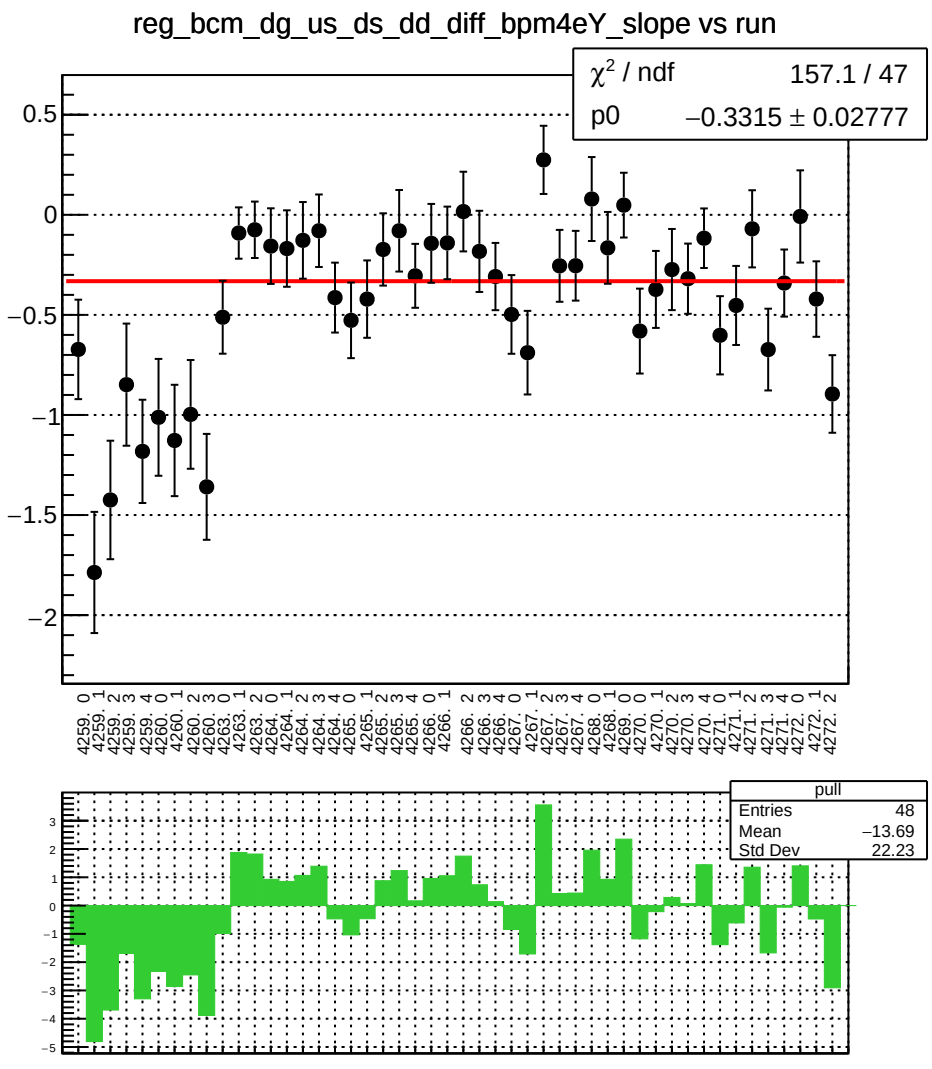

pull1D
Entries 48
Mean 0.01408
Std Dev 1.072

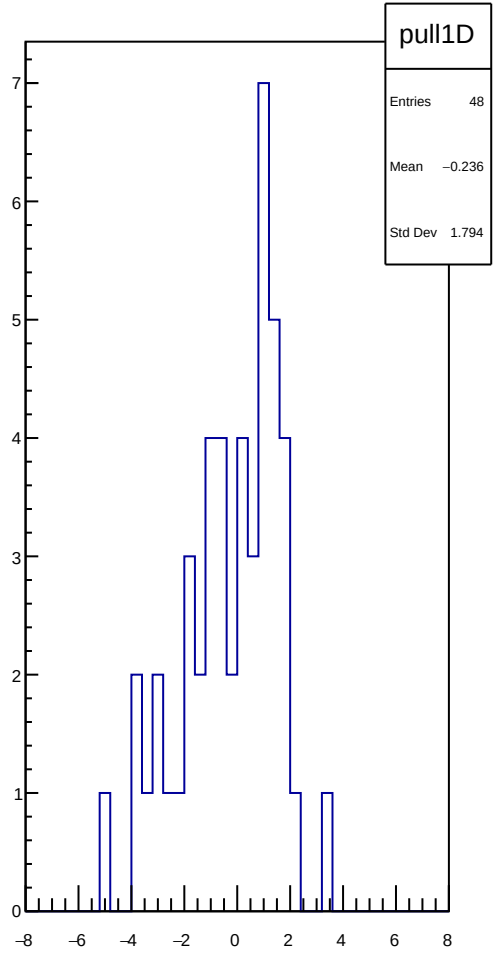

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 156.7 / 47
p0 0.1838 ± 0.01632
pull
Entries 48
Mean −11.49
Std Dev 19.51

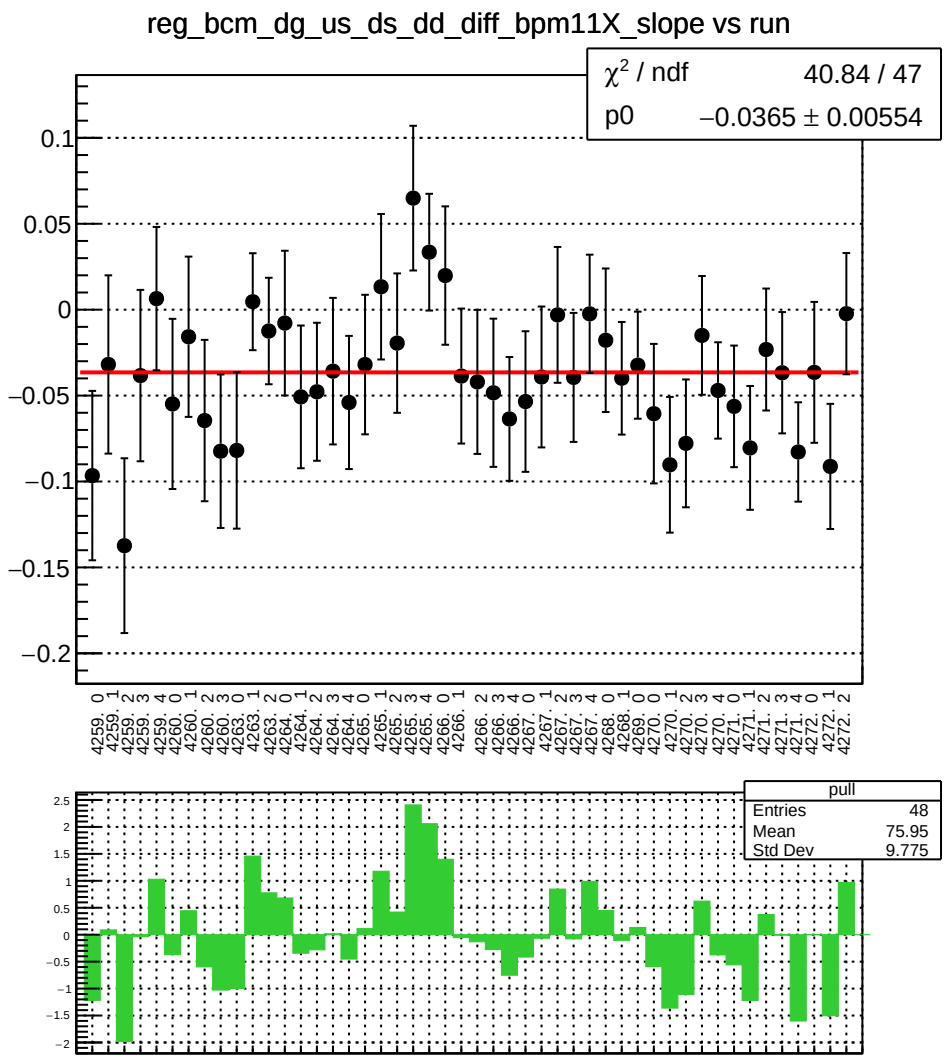

pull1D
Entries 48
Mean 0.2457
Std Dev 1.79

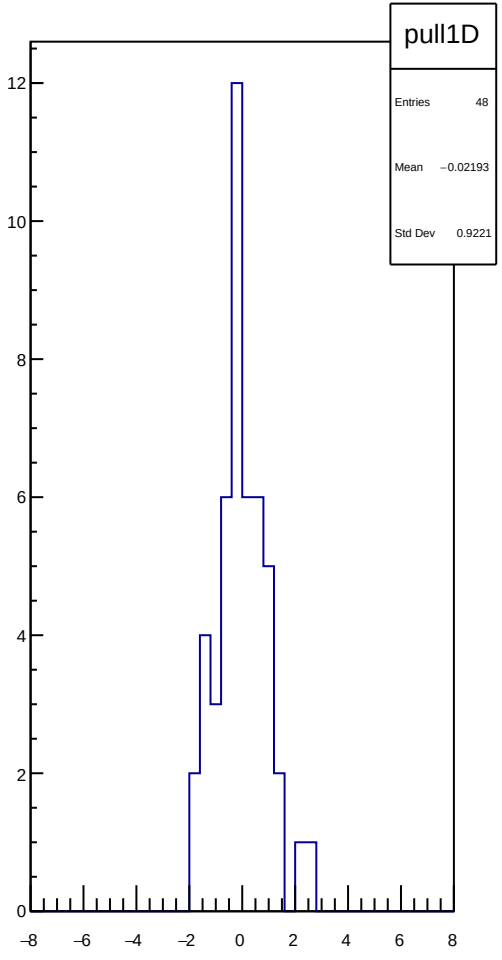

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.9 / 47
p0 −0.0669 ± 0.004135
0.05
0
−0.05
−0.1
−0.15
−0.2
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 29
Std Dev 27.53
3
2
1
0
−1
−2
−3

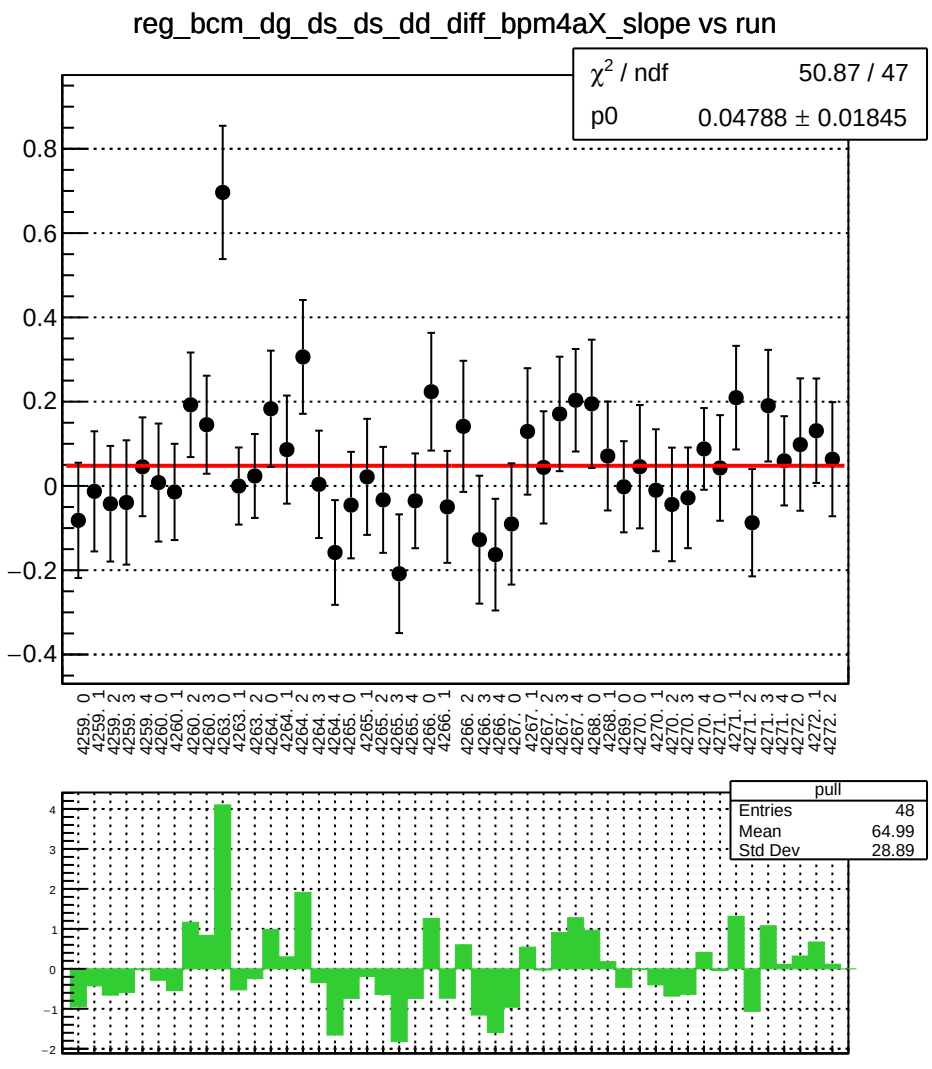

pull1D
Entries 48
Mean −0.1242
Std Dev 1.494
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

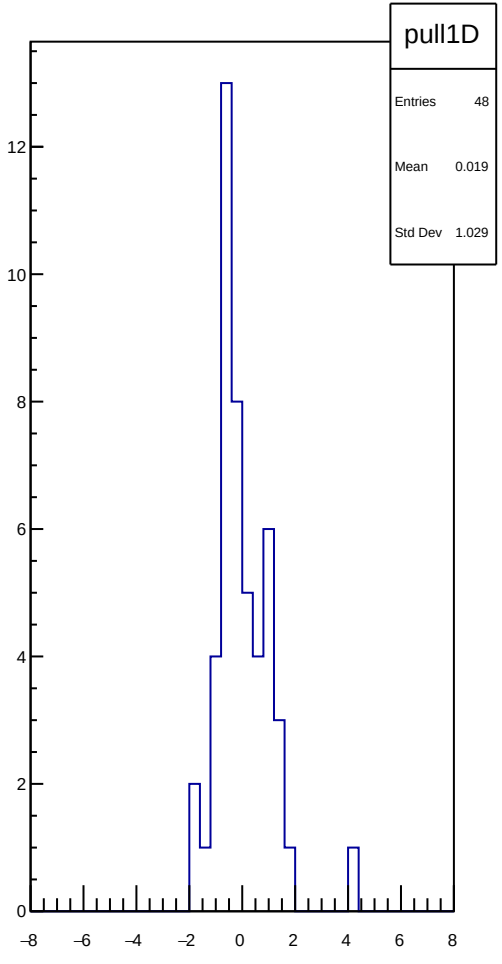

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 157.1 / 47
p0 −0.3315 ± 0.02777
pull
Entries 48
Mean −13.69
Std Dev 22.23

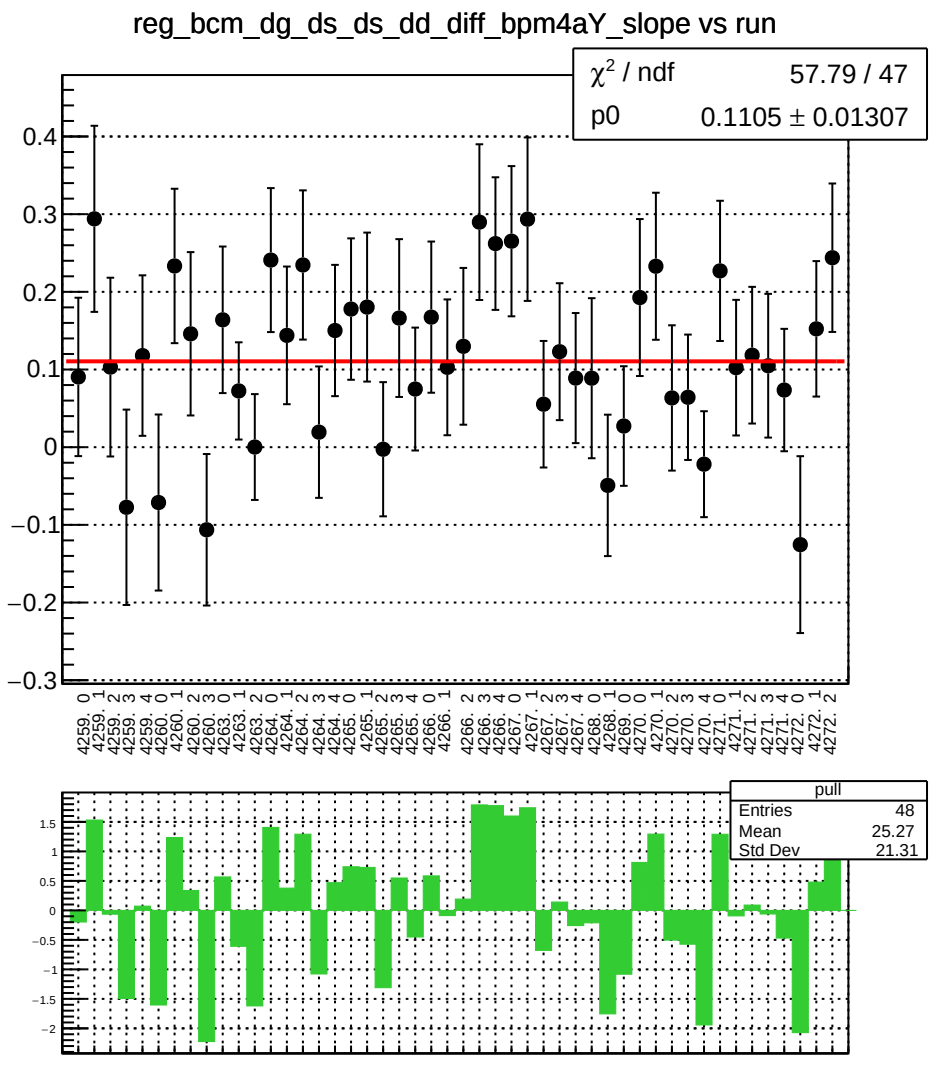

pull1D
Entries 48
Mean −0.236
Std Dev 1.794

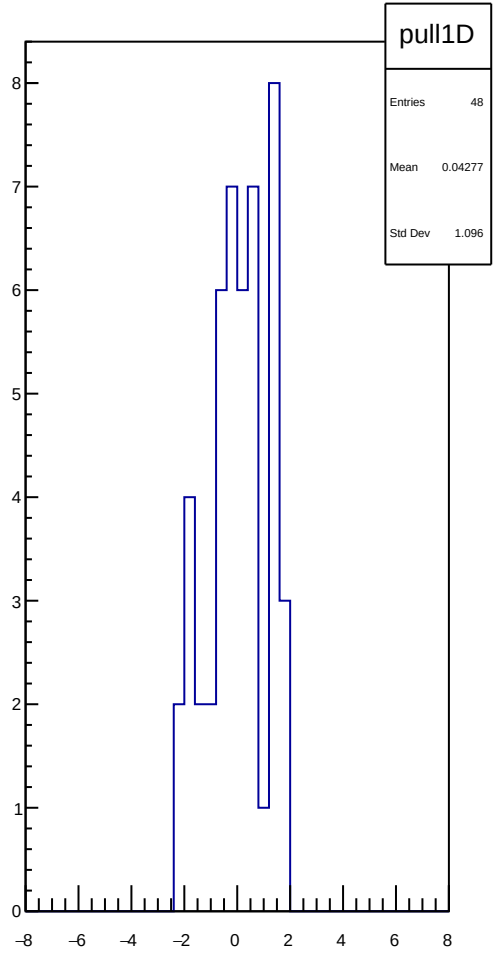

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 40.84 / 47
p0 −0.0365 ± 0.00554
pull
Entries 48
Mean 75.95
Std Dev 9.775

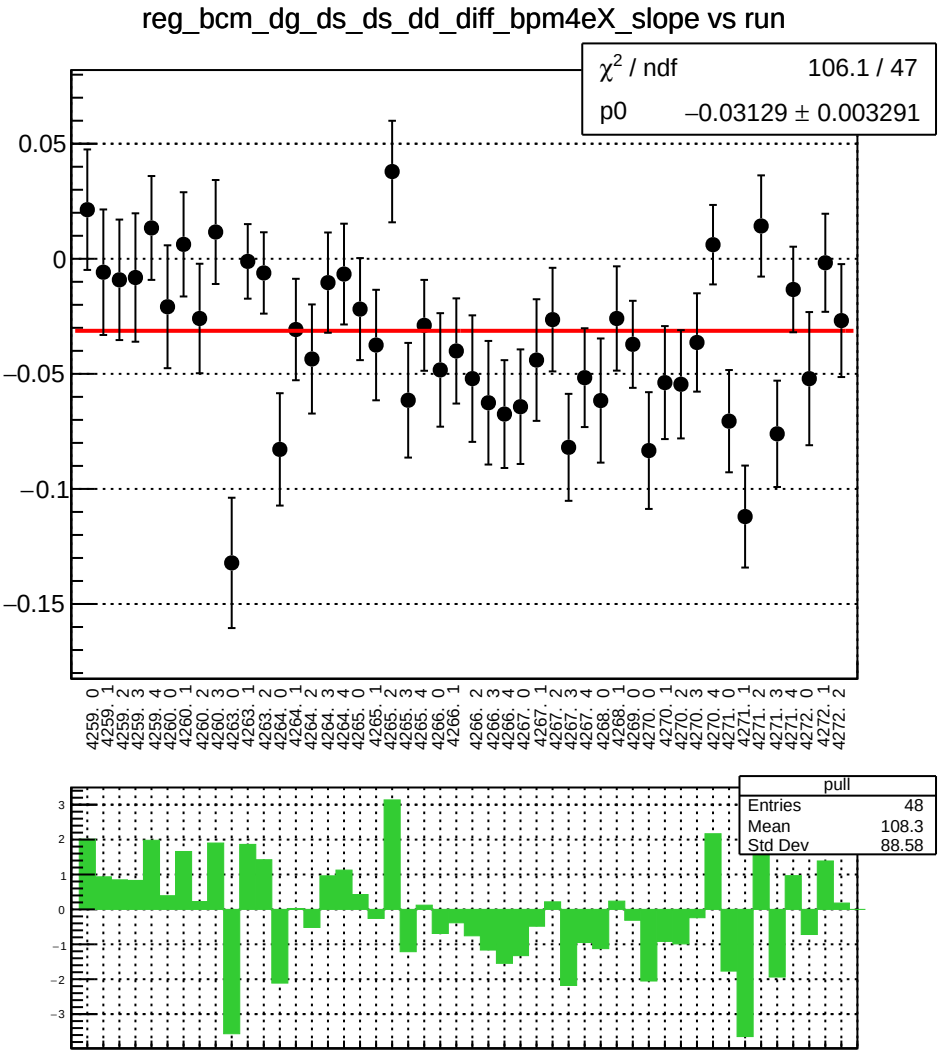

pull1D
Entries 48
Mean −0.02193
Std Dev 0.9221

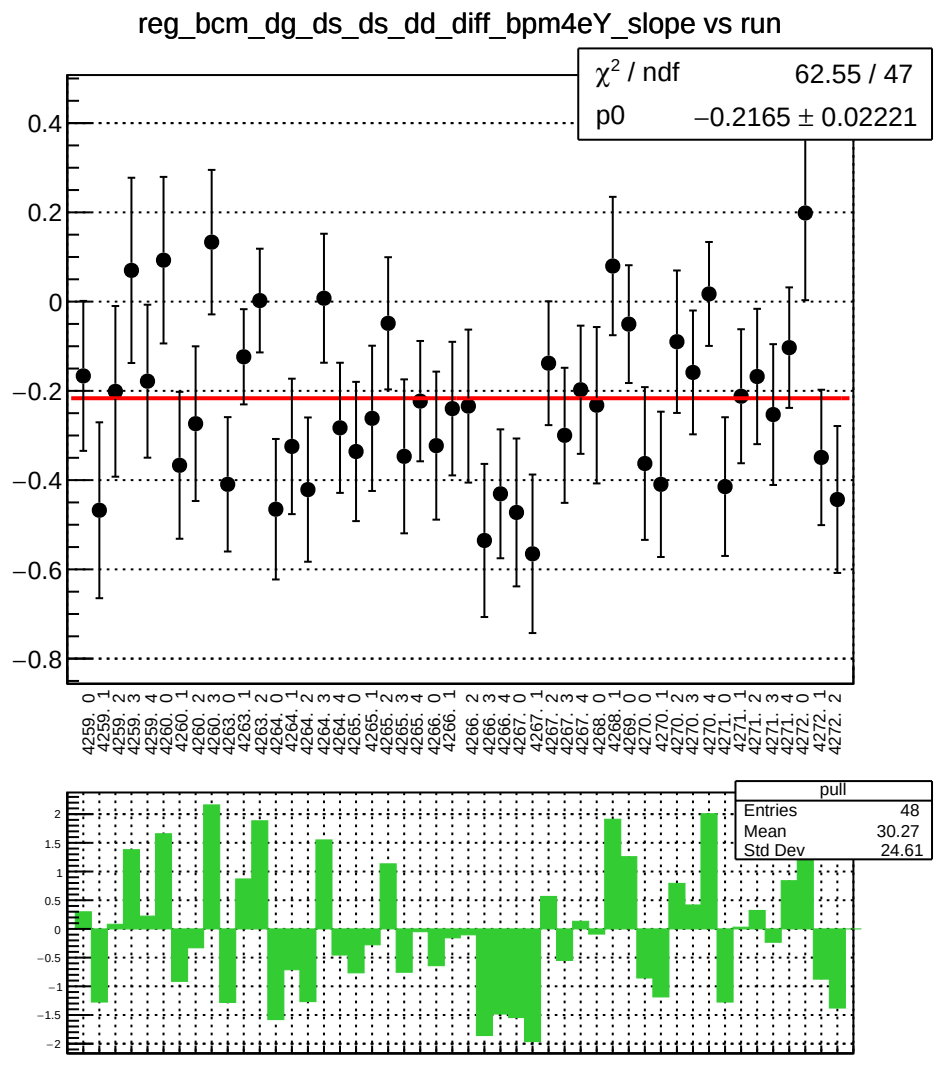

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 50.87 / 47
p0 0.04788 ± 0.01845
pull
Entries 48
Mean 64.99
Std Dev 28.89

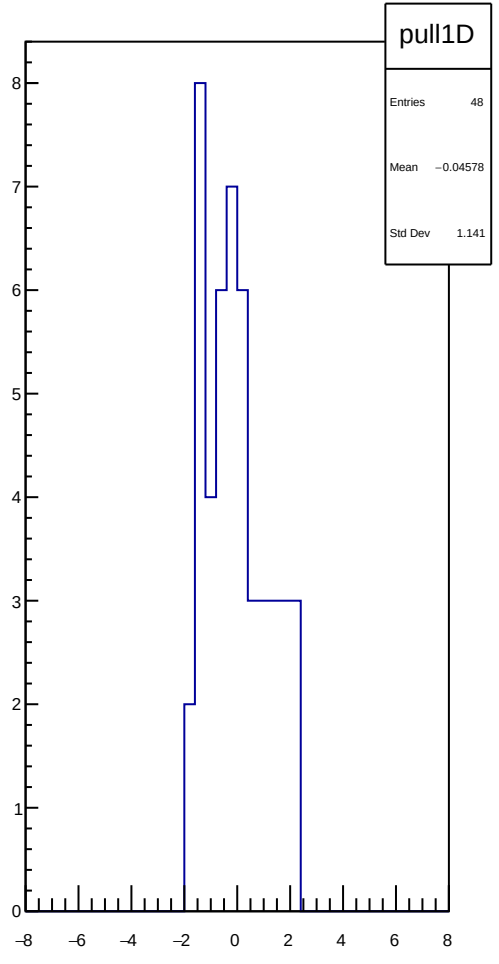

pull1D
Entries 48
Mean 0.019
Std Dev 1.029

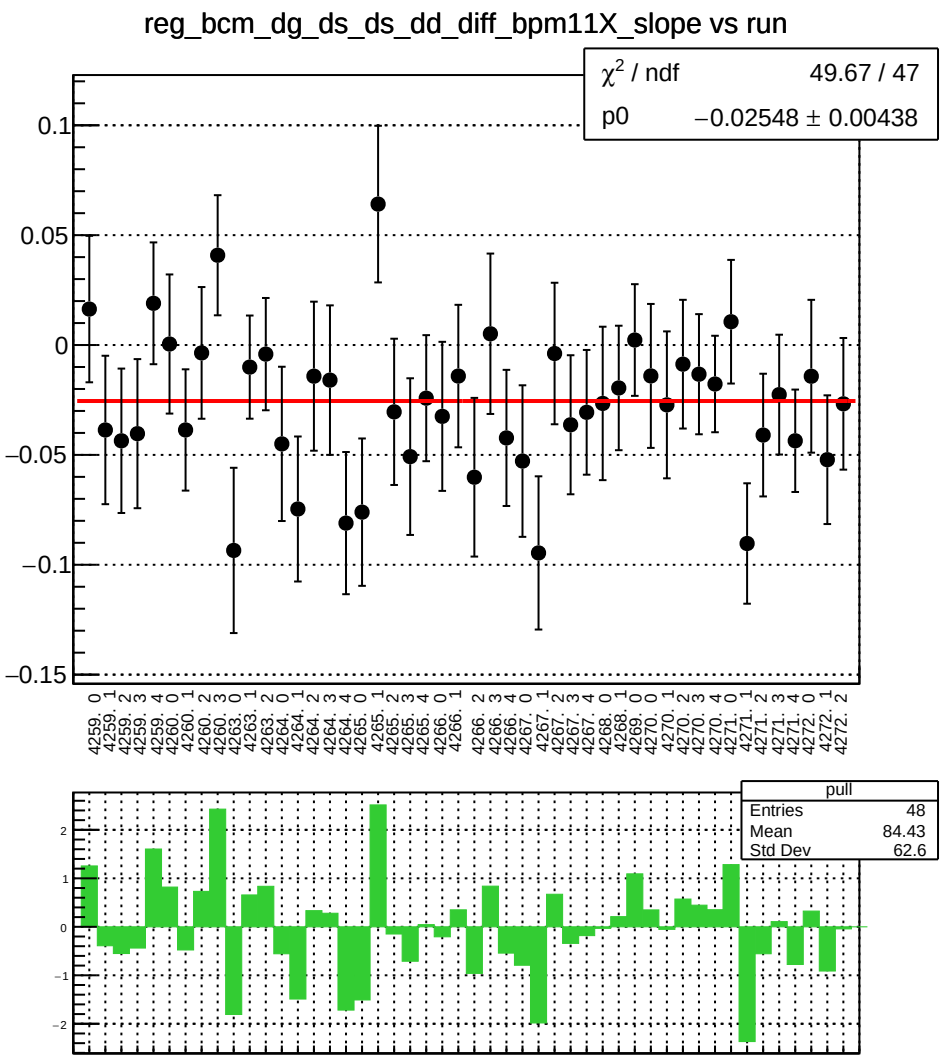

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.79 / 47
p0 0.1105 ± 0.01307
pull
Entries 48
Mean 25.27
Std Dev 21.31

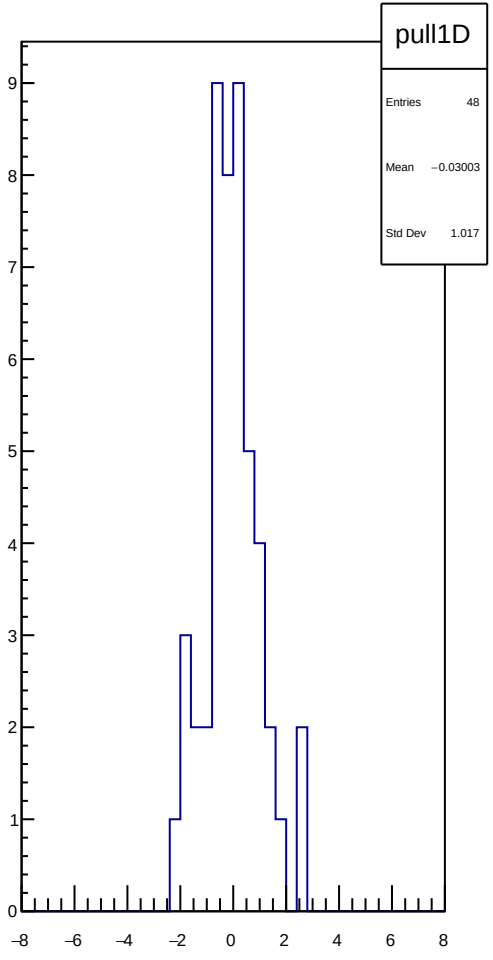

pull1D
Entries 48
Mean 0.04277
Std Dev 1.096


reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 106.1 / 47
p0 −0.03129 ± 0.003291
0.05
0
−0.05
−0.1
−0.15
4259. 0
4259. 1
4259. 2
4259. 3
4259. 4
4260. 0
4260. 1
4260. 2
4260. 3
4263. 0
4263. 1
4263. 2
4264. 0
4264. 1
4264. 2
4264. 3
4264. 4
4265. 0
4265. 1
4265. 2
4265. 3
4265. 4
4266. 0
4266. 1
4266. 2
4266. 3
4266. 4
4267. 0
4267. 1
4267. 2
4267. 3
4267. 4
4268. 0
4268. 1
4269. 0
4270. 0
4270. 1
4270. 2
4270. 3
4270. 4
4271. 0
4271. 1
4271. 2
4271. 3
4271. 4
4272. 0
4272. 1
4272. 2
pull
Entries 48
Mean 108.3
Std Dev 88.58
3
2
1
0
−1
−2
−3
pull1D
Entries 48
Mean −0.07786
Std Dev 1.485
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.55 / 47
p0 −0.2165 ± 0.02221
pull
Entries 48
Mean 30.27
Std Dev 24.61


pull1D
Entries 48
Mean −0.04578
Std Dev 1.141


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 49.67 / 47
p0 −0.02548 ± 0.00438
pull
Entries 48
Mean 84.43
Std Dev 62.6


pull1D
Entries 48
Mean −0.03003
Std Dev 1.017