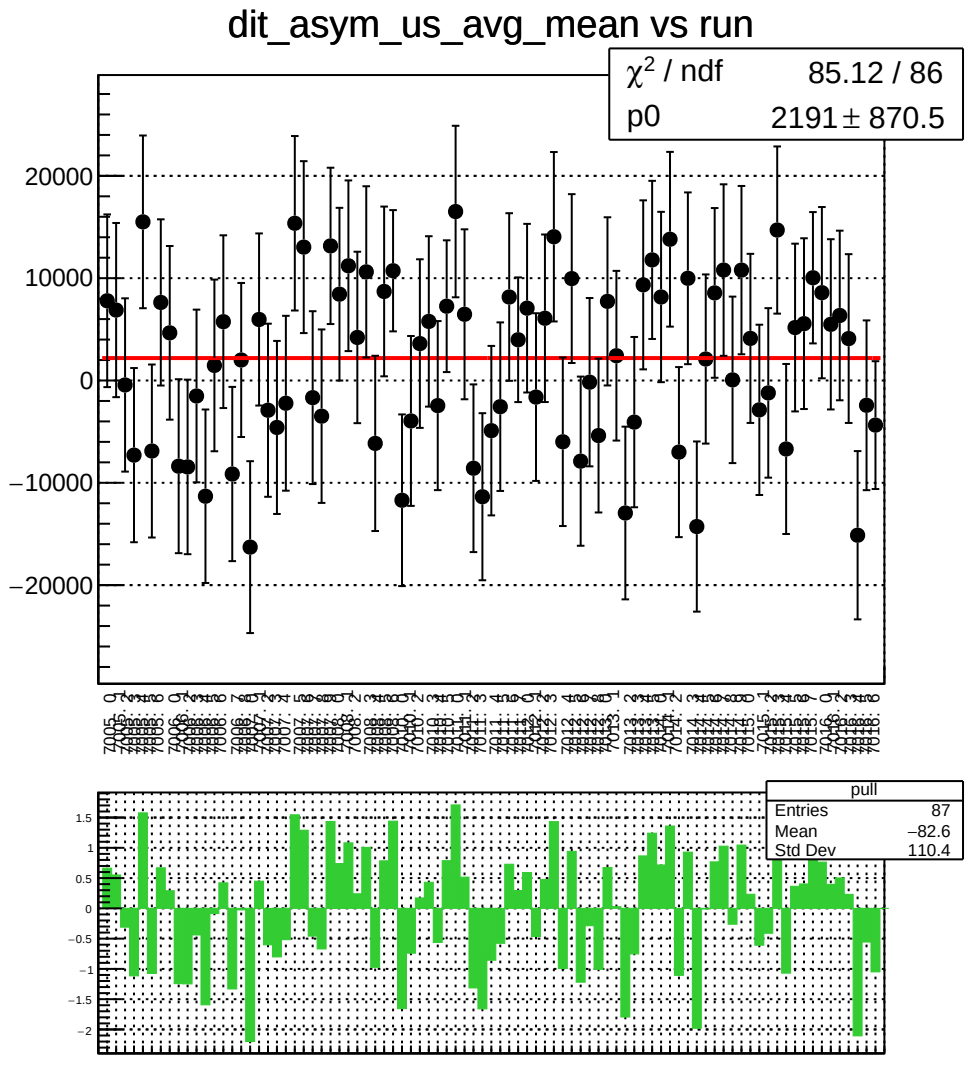
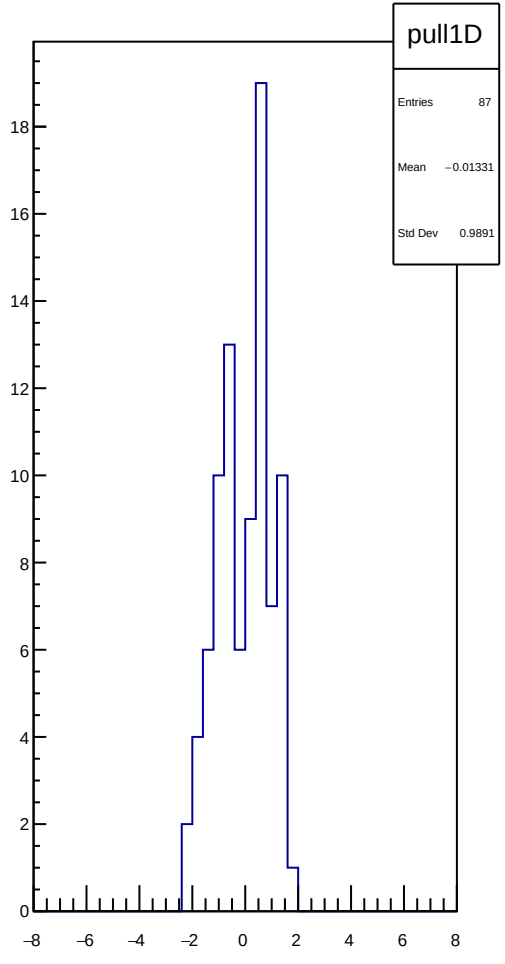
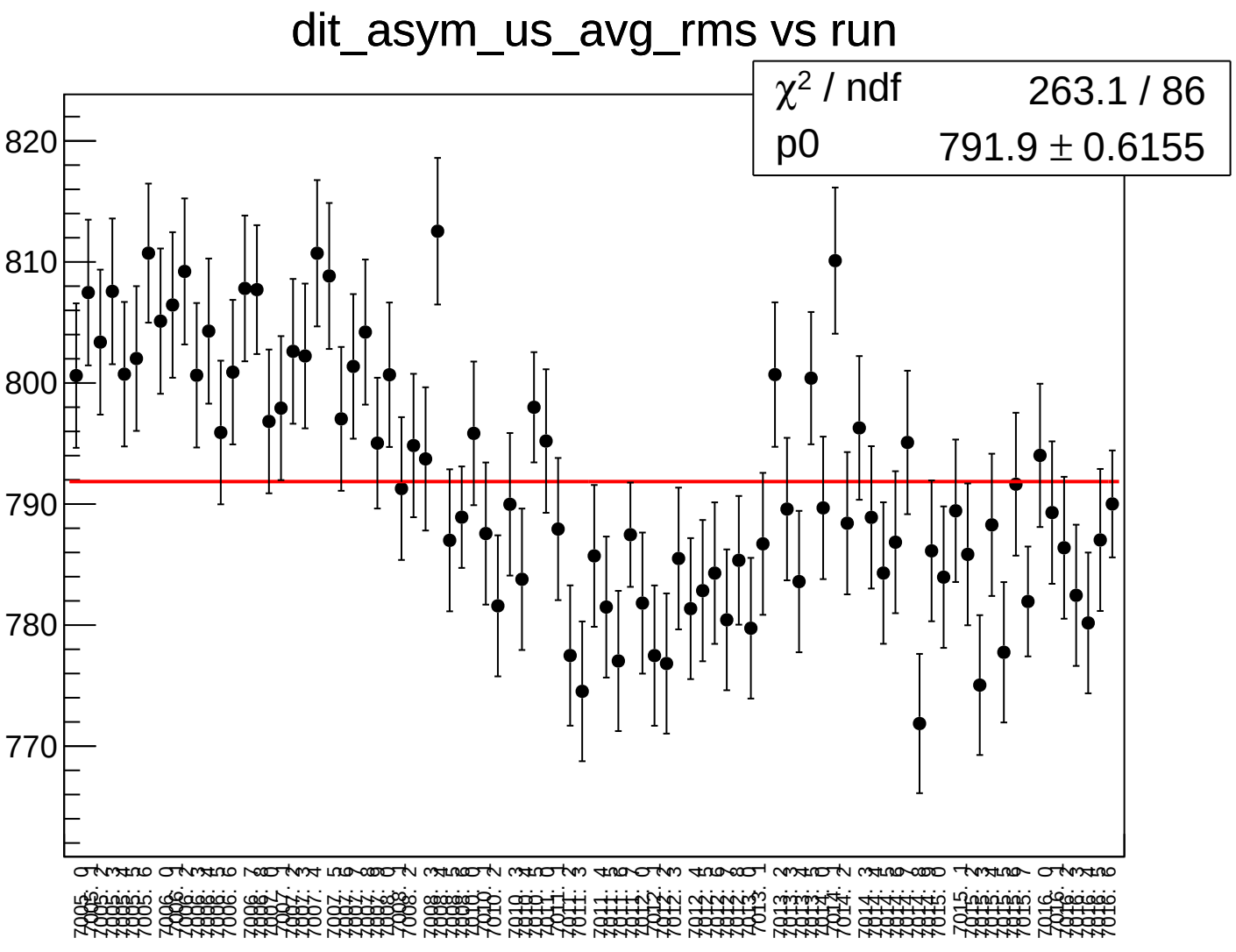
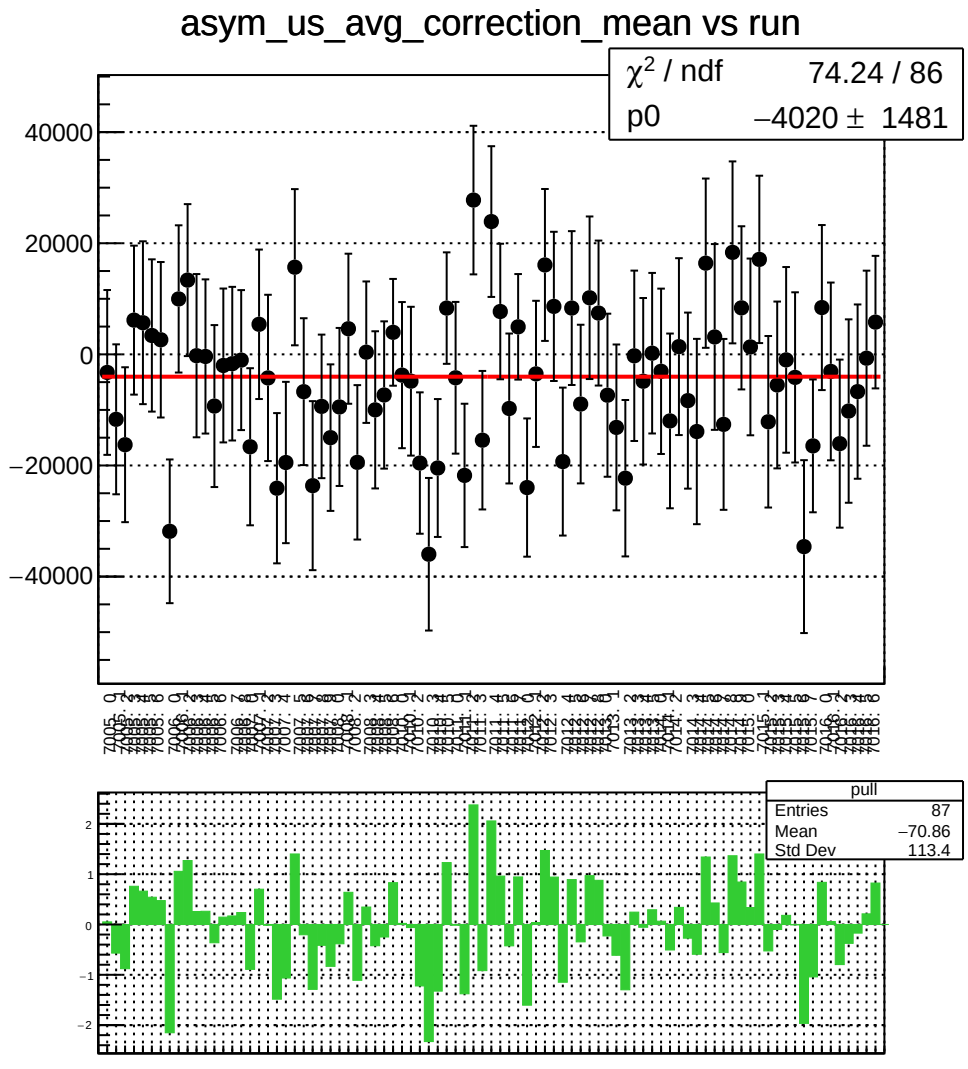
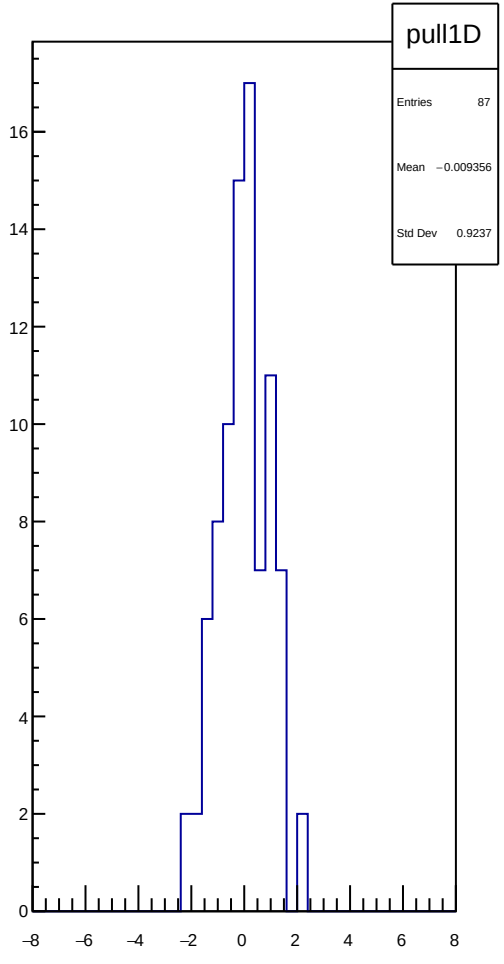
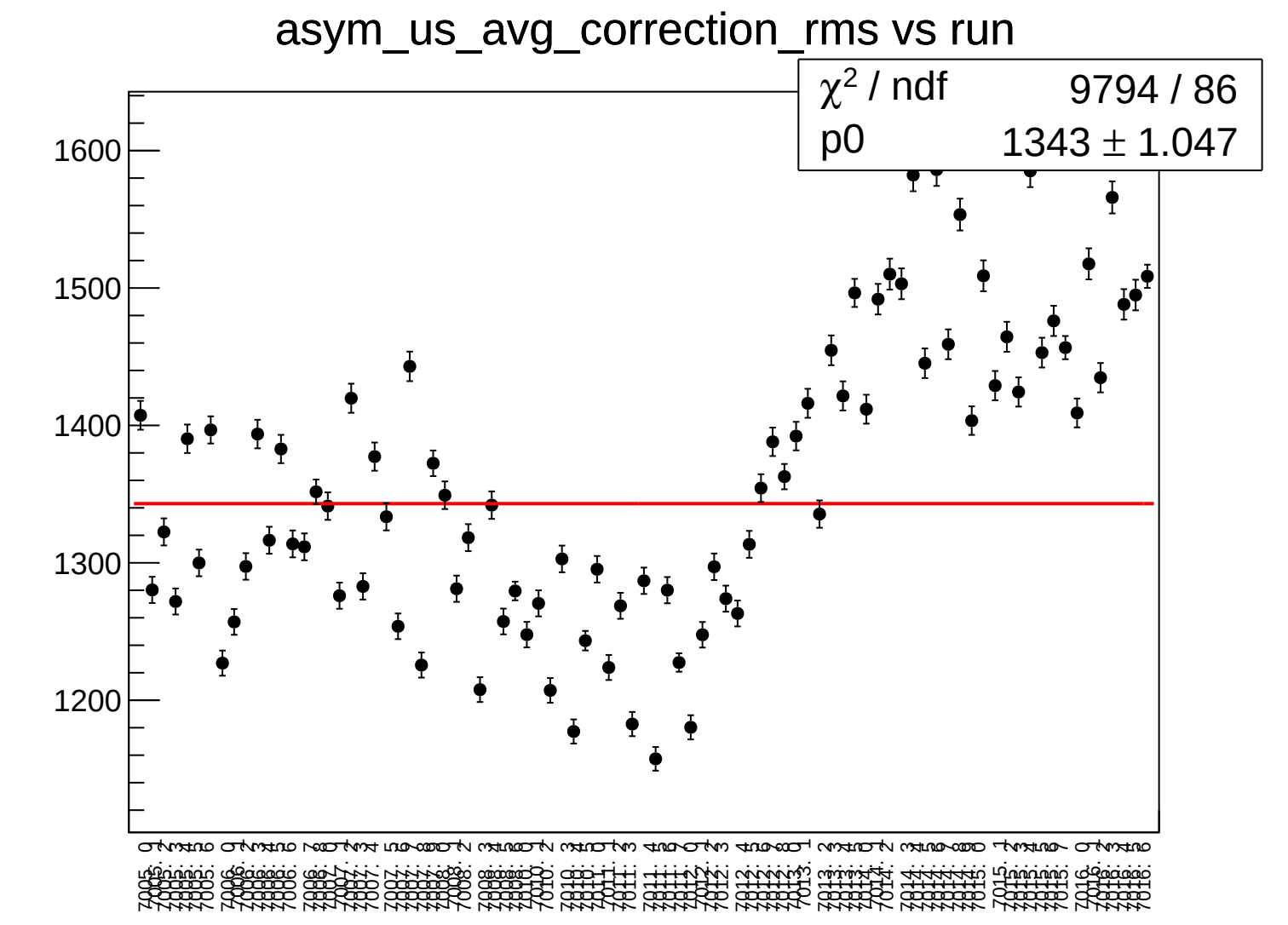

dit_asym_us_avg_mean vs run
χ² / ndf 85.12 / 86
p0 2191 ± 870.5
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −82.6
Std Dev 110.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

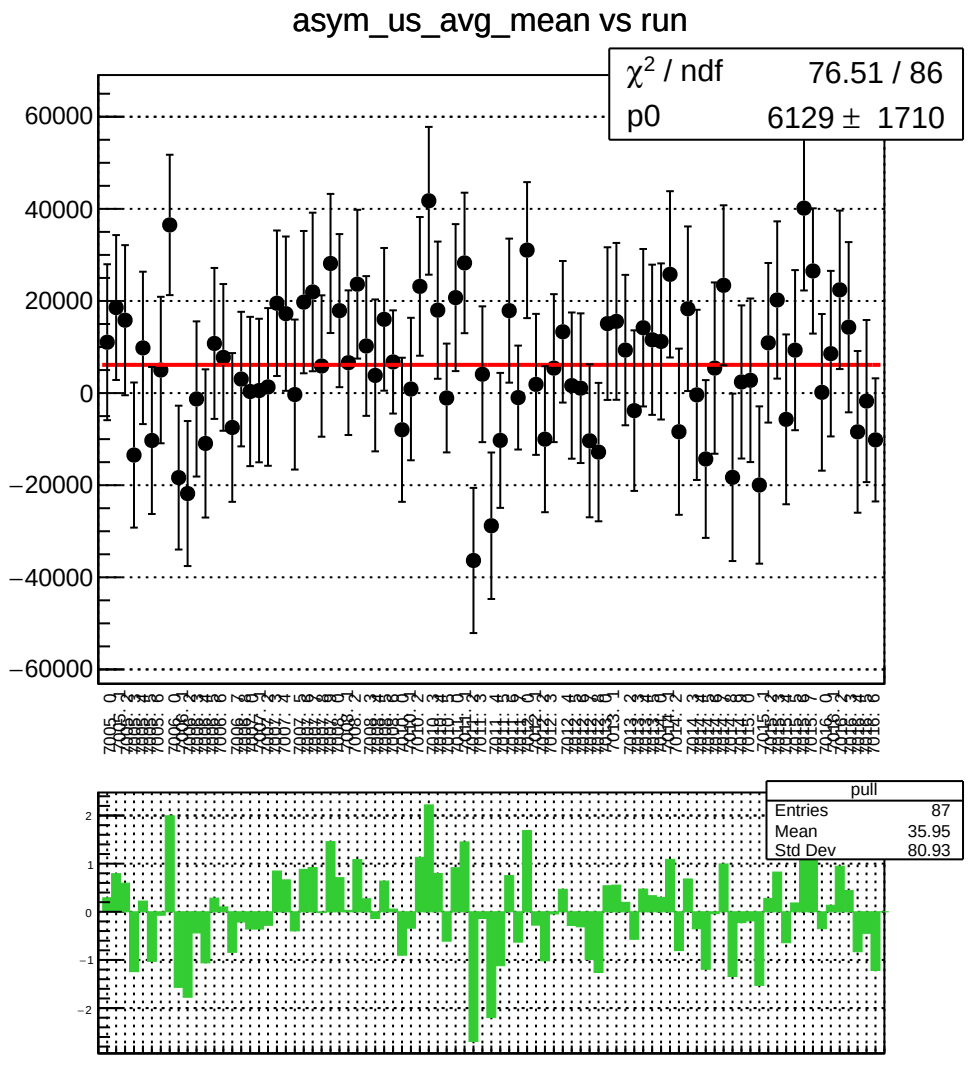

pull1D
Entries 87
Mean −0.01331
Std Dev 0.9891
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

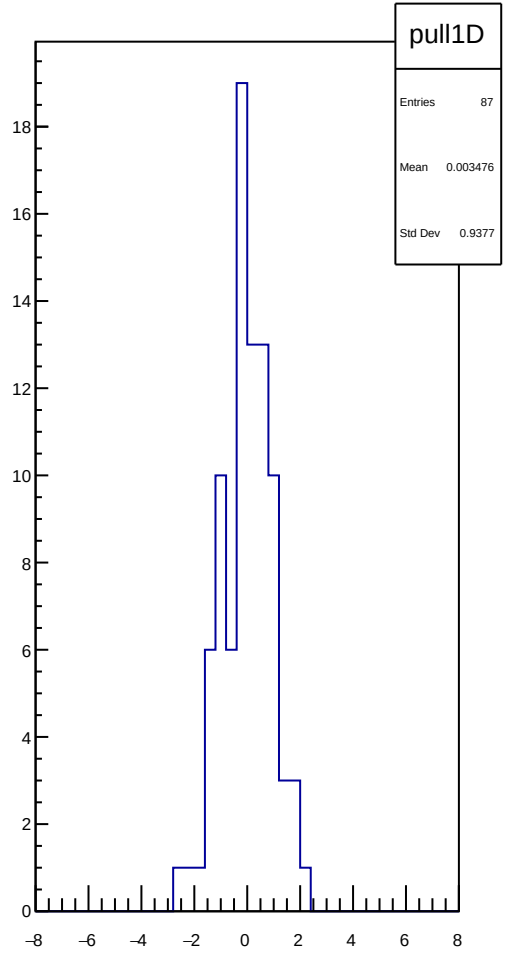

dit_asym_us_avg_rms vs run
χ² / ndf 263.1 / 86
p0 791.9 ± 0.6155
820
810
800
790
780
770

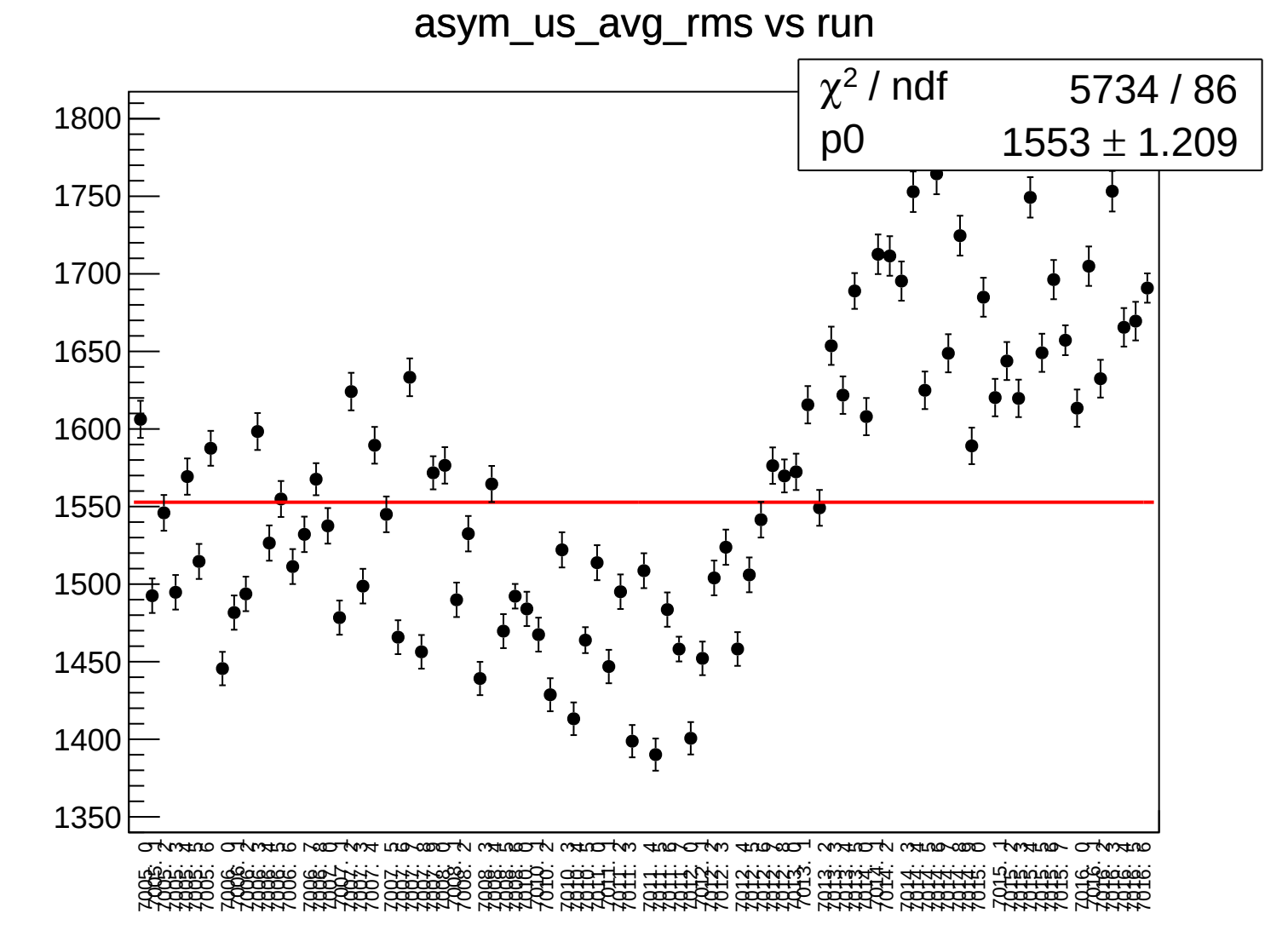

asym_us_avg_correction_mean vs run
χ² / ndf 74.24 / 86
p0 −4020 ± 1481
40000
20000
0
−20000
−40000
pull
Entries 87
Mean −70.86
Std Dev 113.4
2
1
0
−1
−2

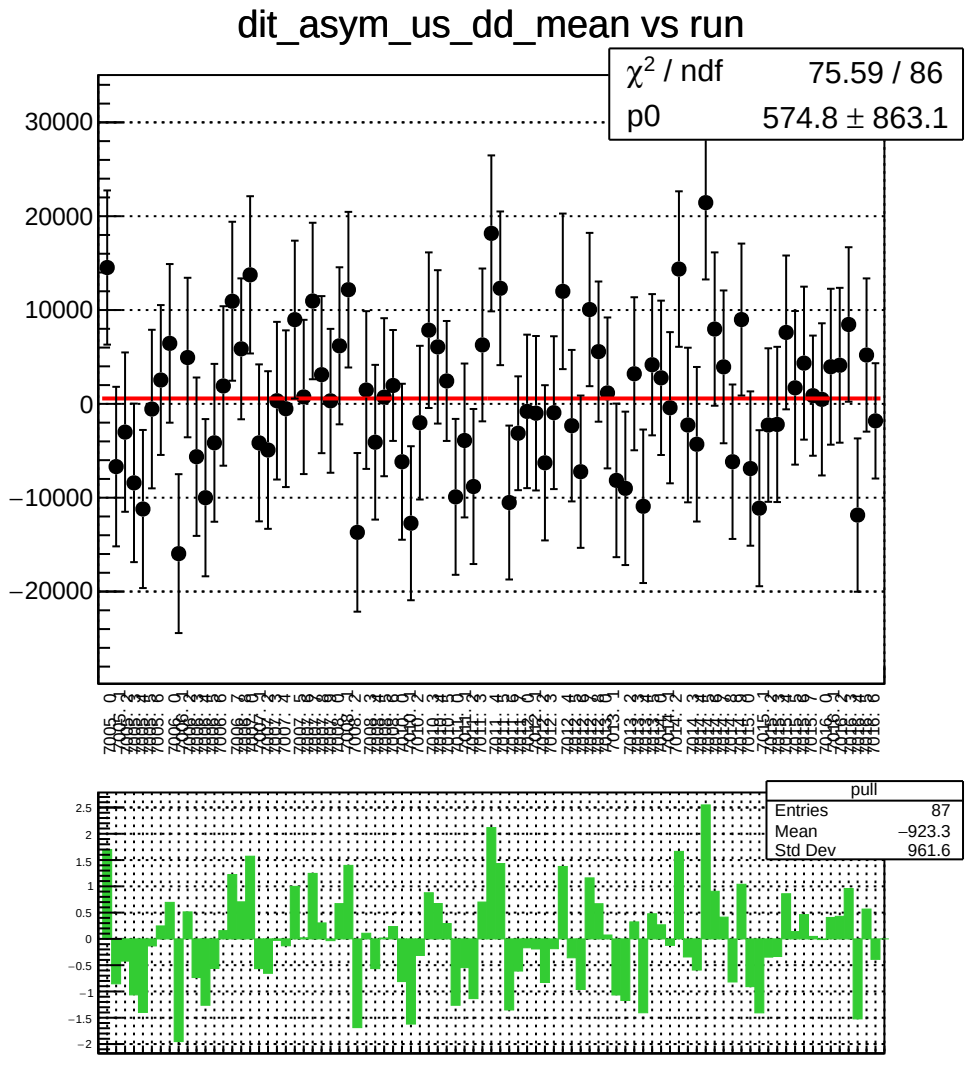

pull1D
Entries 87
Mean −0.009356
Std Dev 0.9237
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

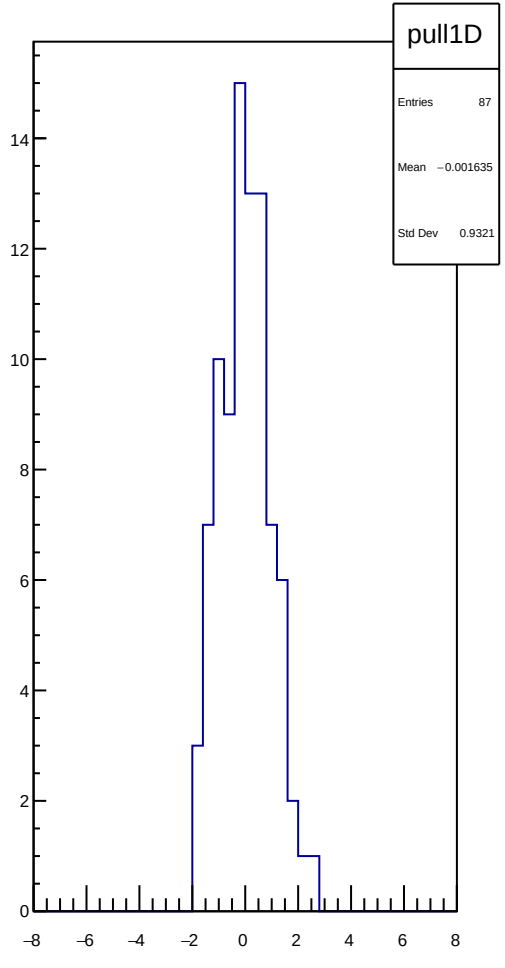

asym_us_avg_correction_rms vs run
χ² / ndf 9794 / 86
p0 1343 ± 1.047
1600
1500
1400
1300
1200

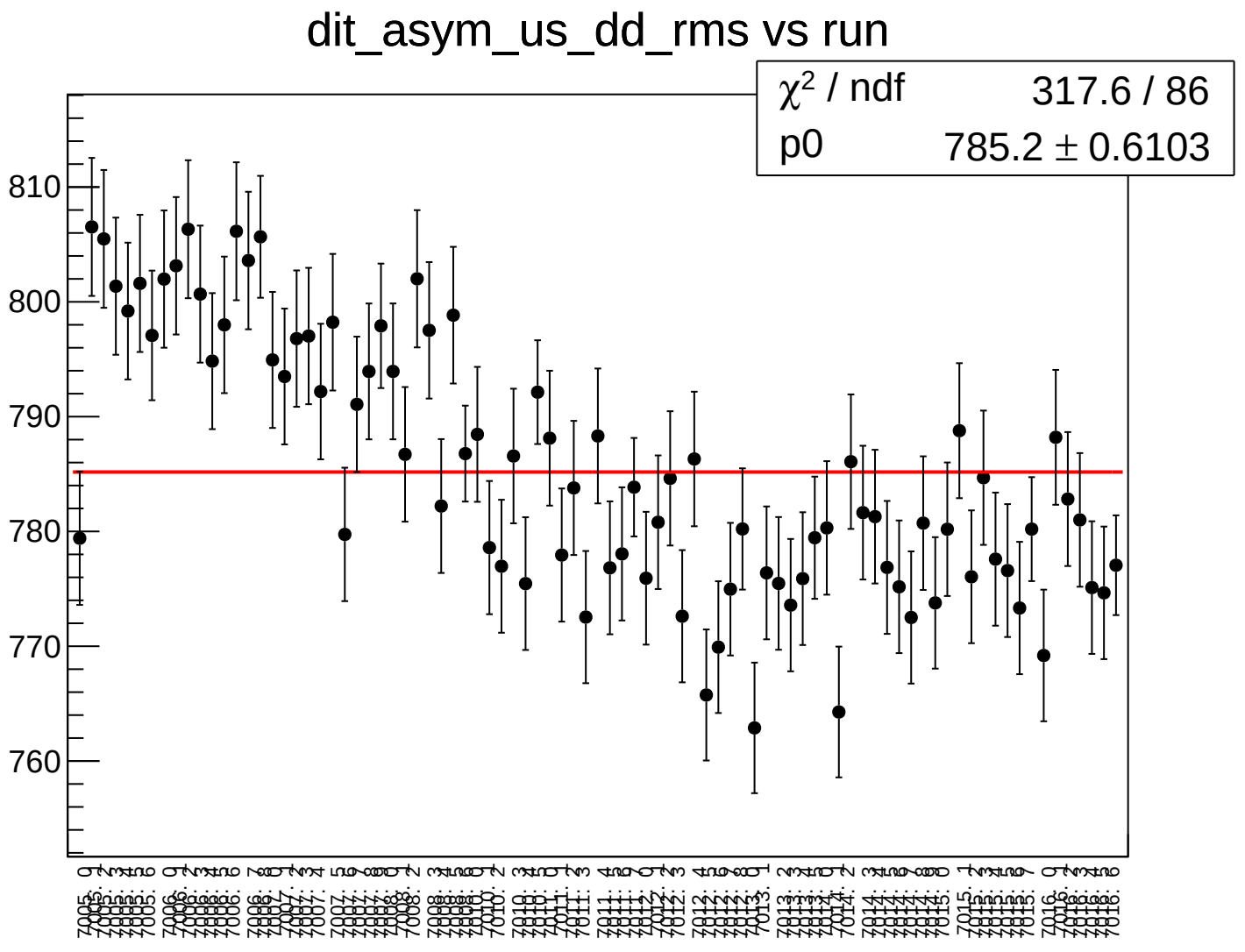

asym_us_avg_mean vs run
χ² / ndf 76.51 / 86
p0 6129 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 35.95
Std Dev 80.93
2
1
0
−1
−2

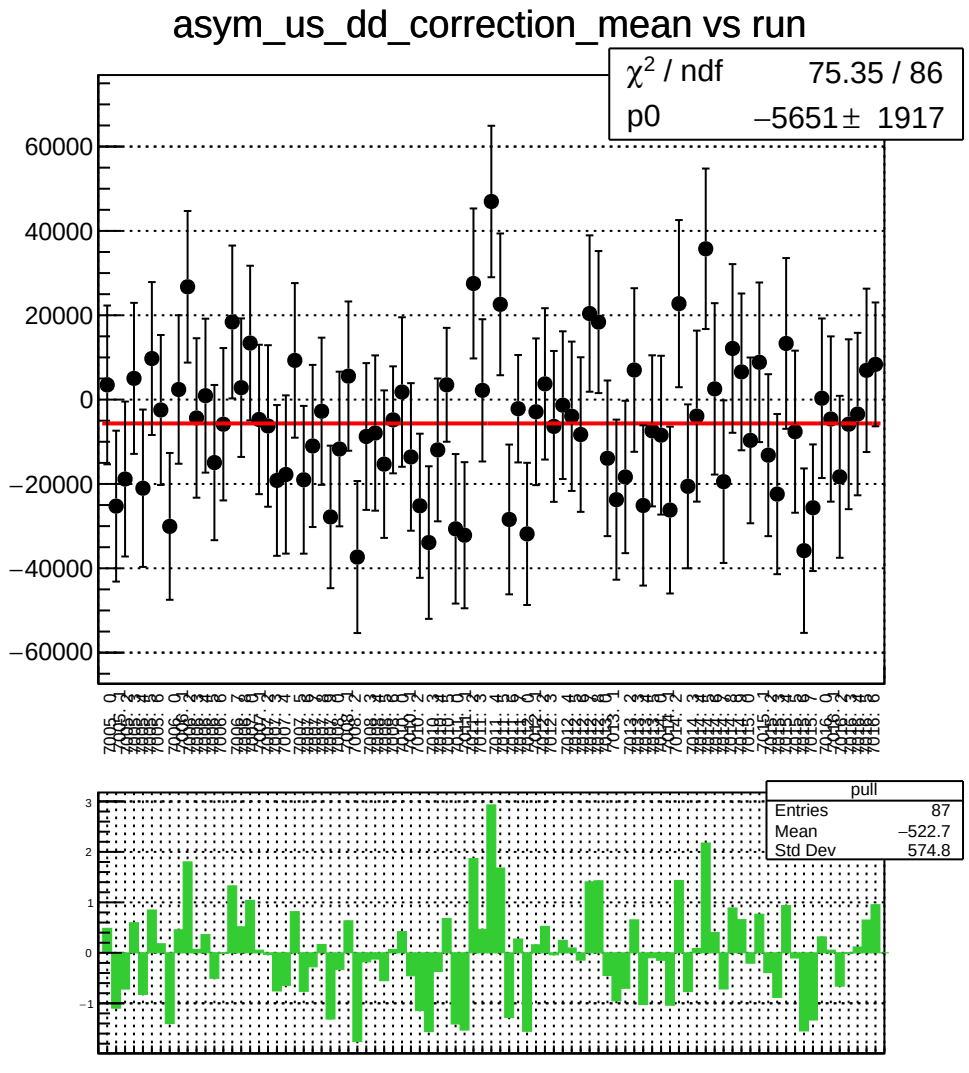

pull1D
Entries 87
Mean 0.003476
Std Dev 0.9377
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

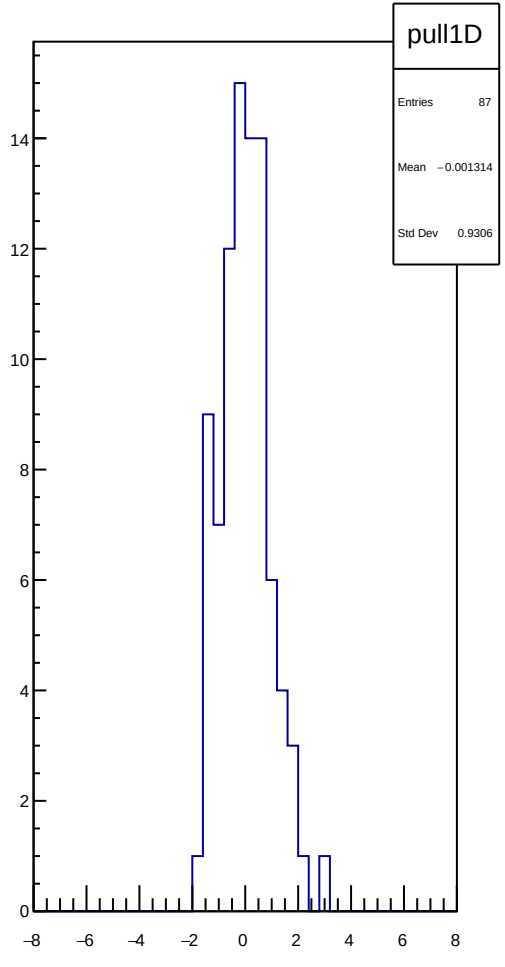

asym_us_avg_rms vs run
χ² / ndf 5734 / 86
p0 1553 ± 1.209
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

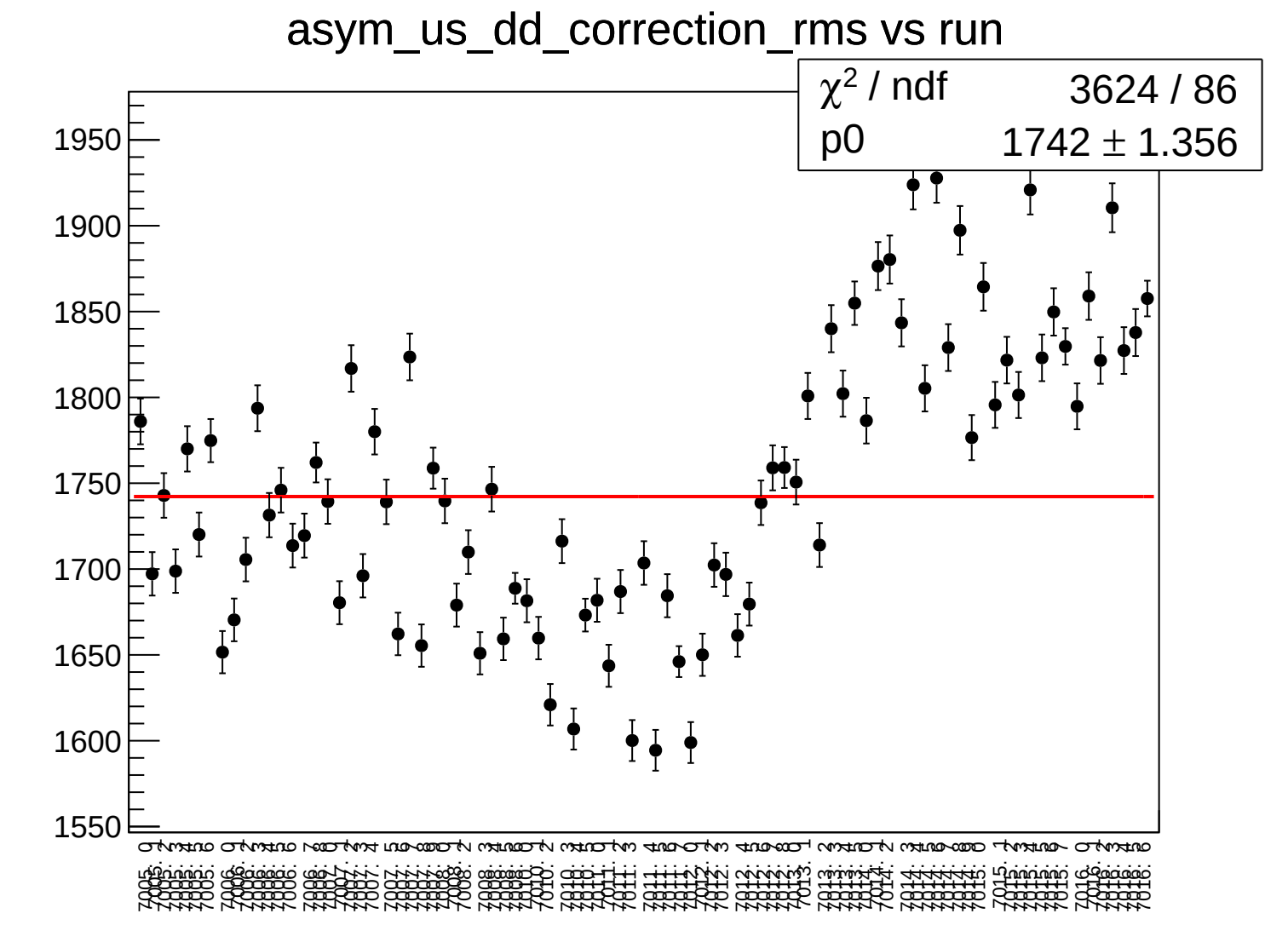

dit_asym_us_dd_mean vs run
χ^2 / ndf 75.59 / 86
p0 574.8 ± 863.1
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −923.3
Std Dev 961.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

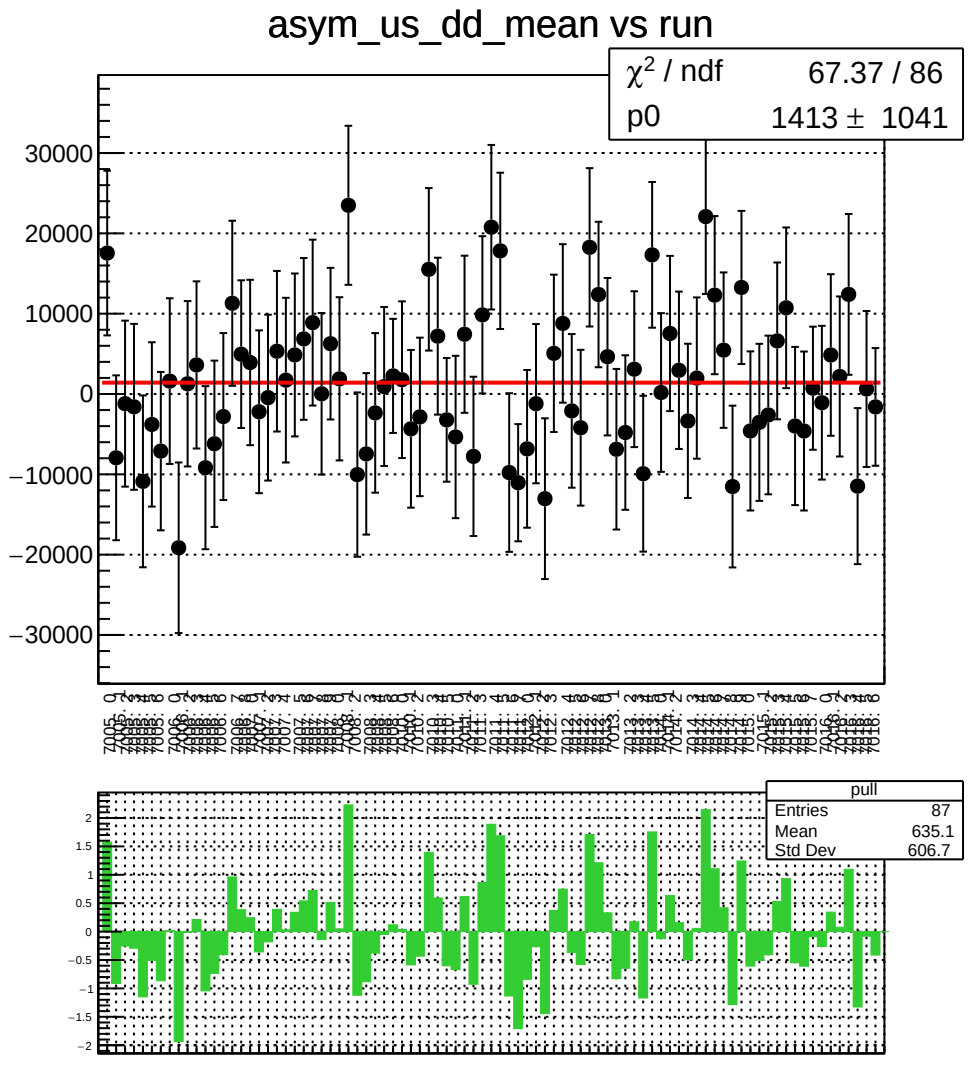

pull1D
Entries 87
Mean −0.001635
Std Dev 0.9321
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

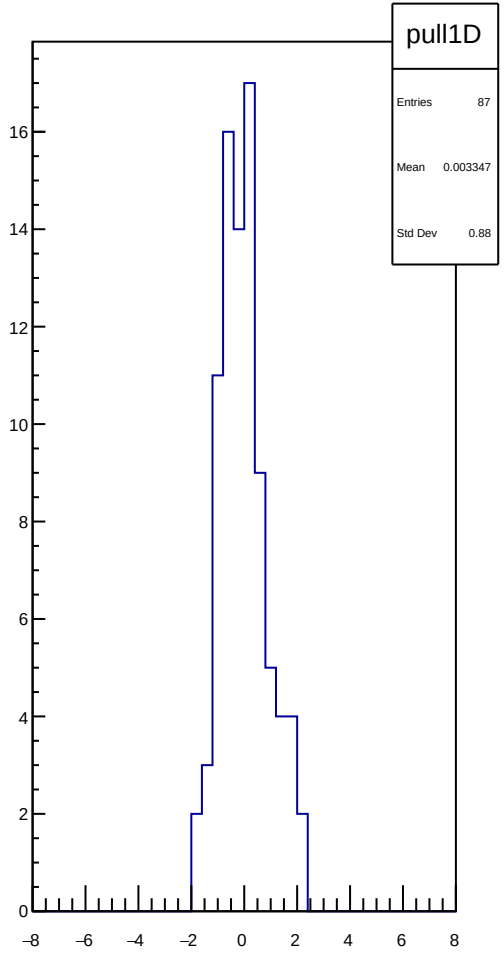

dit_asym_us_dd_rms vs run
χ² / ndf 317.6 / 86
p0 785.2 ± 0.6103
810
800
790
780
770
760

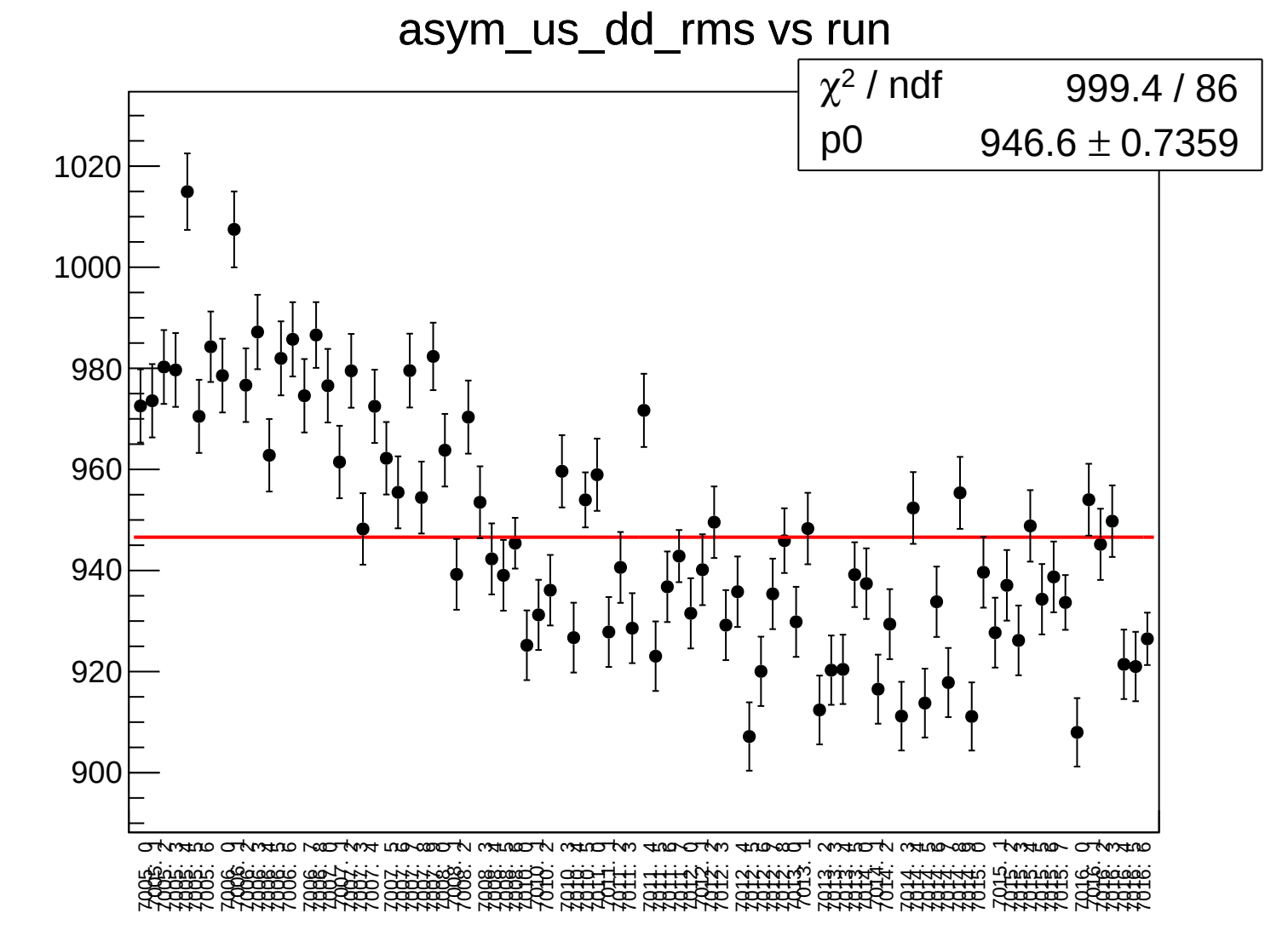

asym_us_dd_correction_mean vs run
χ² / ndf 75.35 / 86
p0 −5651 ± 1917
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −522.7
Std Dev 574.8
3
2
1
0
−1

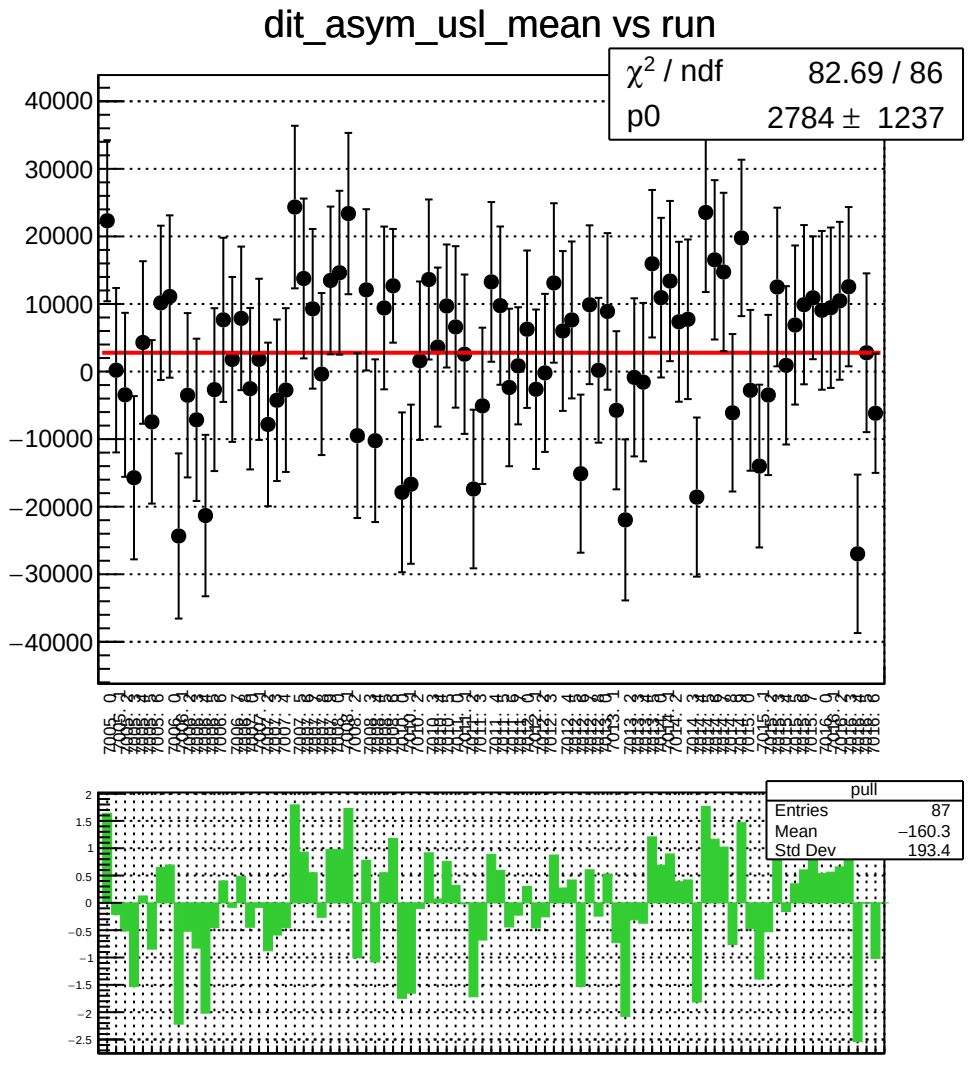

pull1D
Entries 87
Mean −0.001314
Std Dev 0.9306
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

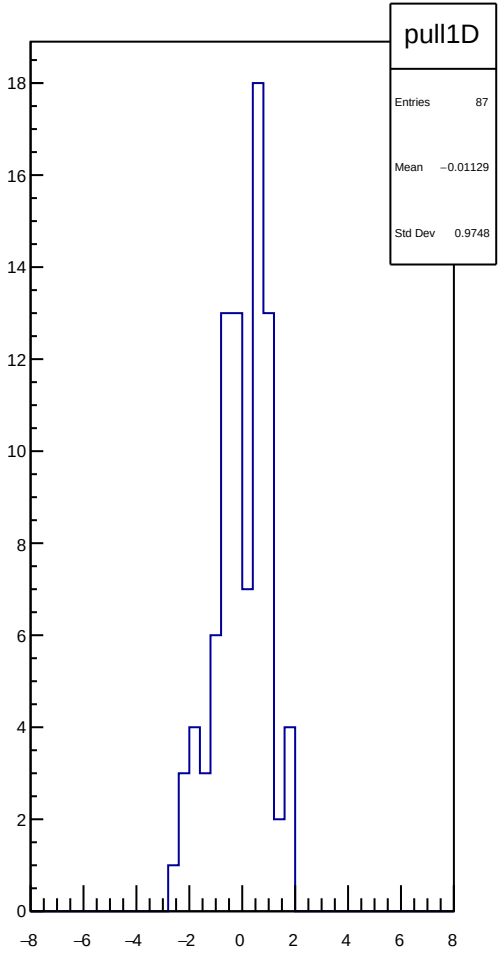

asym_us_dd_correction_rms vs run
χ² / ndf 3624 / 86
p0 1742 ± 1.356
1950
1900
1850
1800
1750
1700
1650
1600
1550

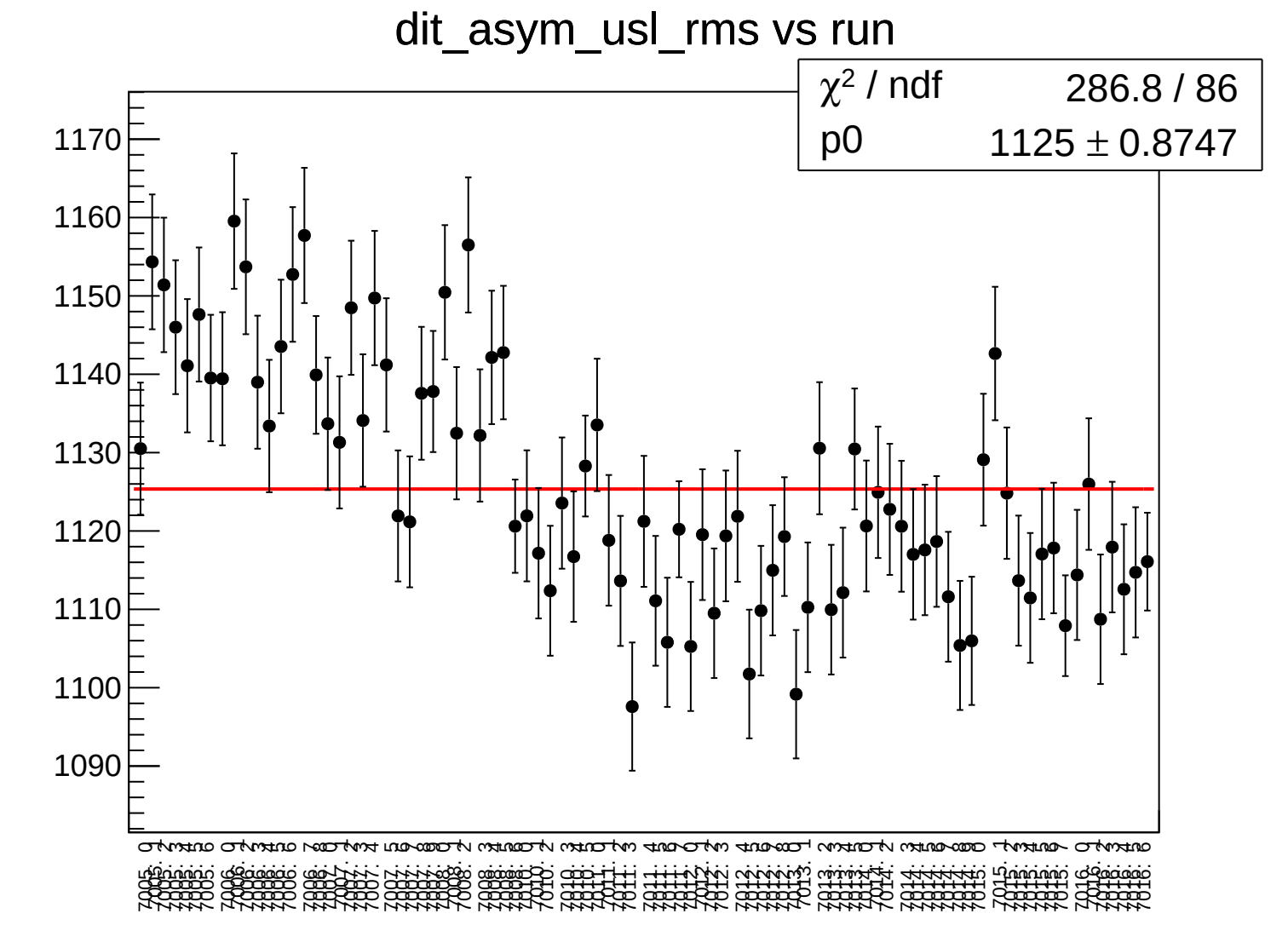

asym_us_dd_mean vs run
χ² / ndf 67.37 / 86
p0 1413 ± 1041
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 635.1
Std Dev 606.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

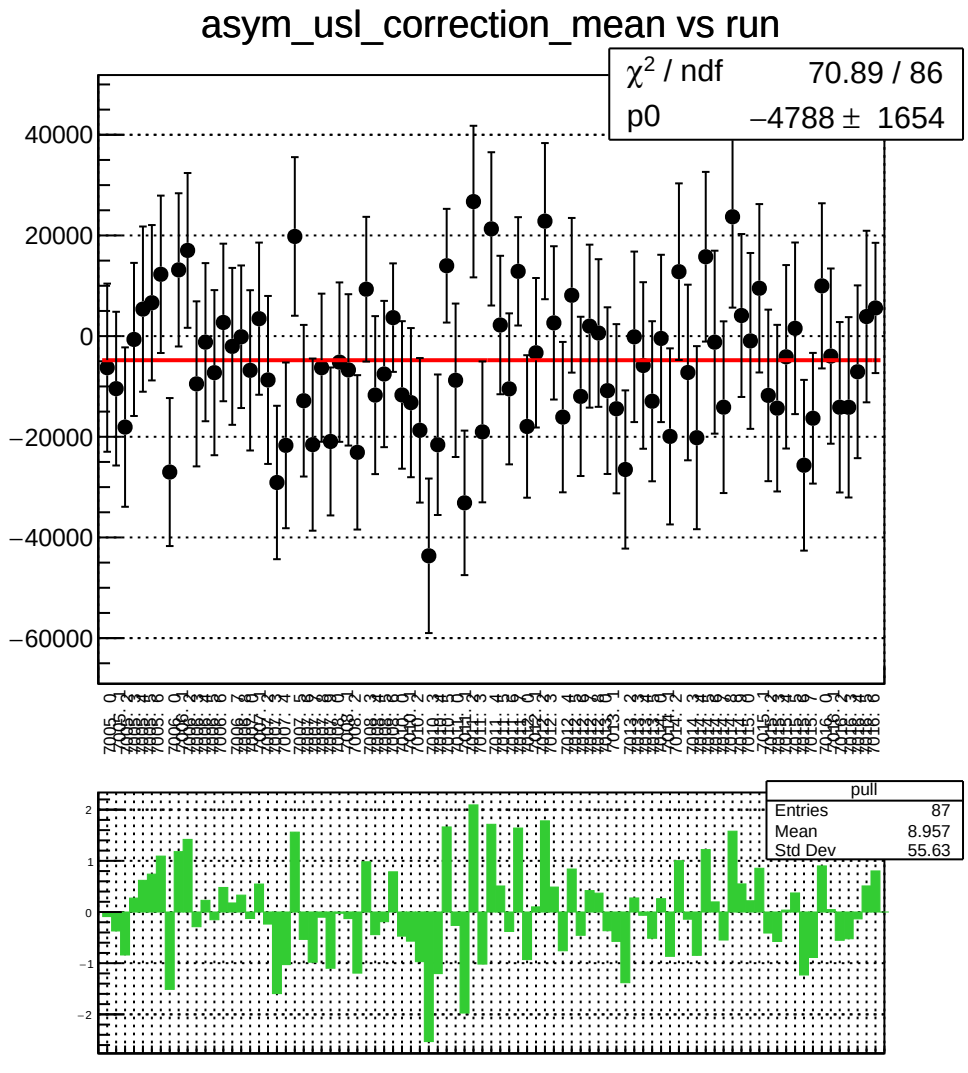

pull1D
Entries 87
Mean 0.003347
Std Dev 0.88
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

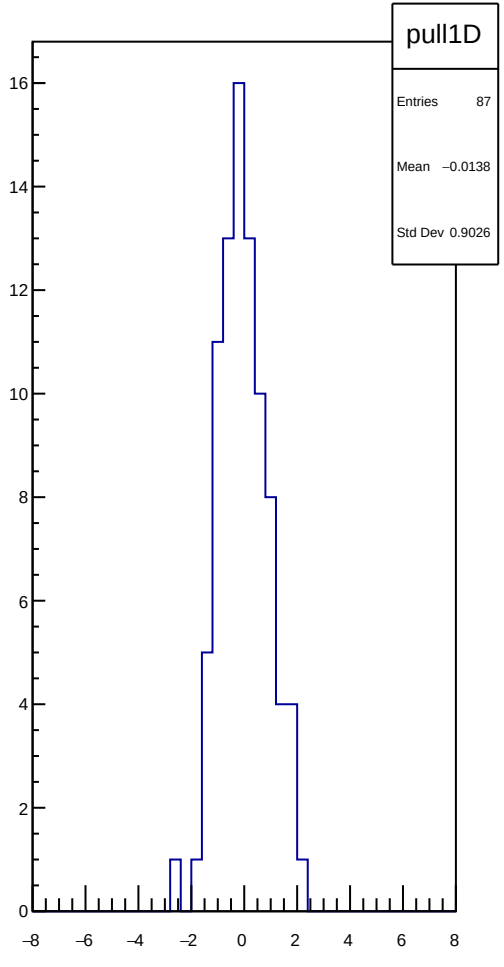

asym_us_dd_rms vs run
χ² / ndf 999.4 / 86
p0 946.6 ± 0.7359
1020
1000
980
960
940
920
900

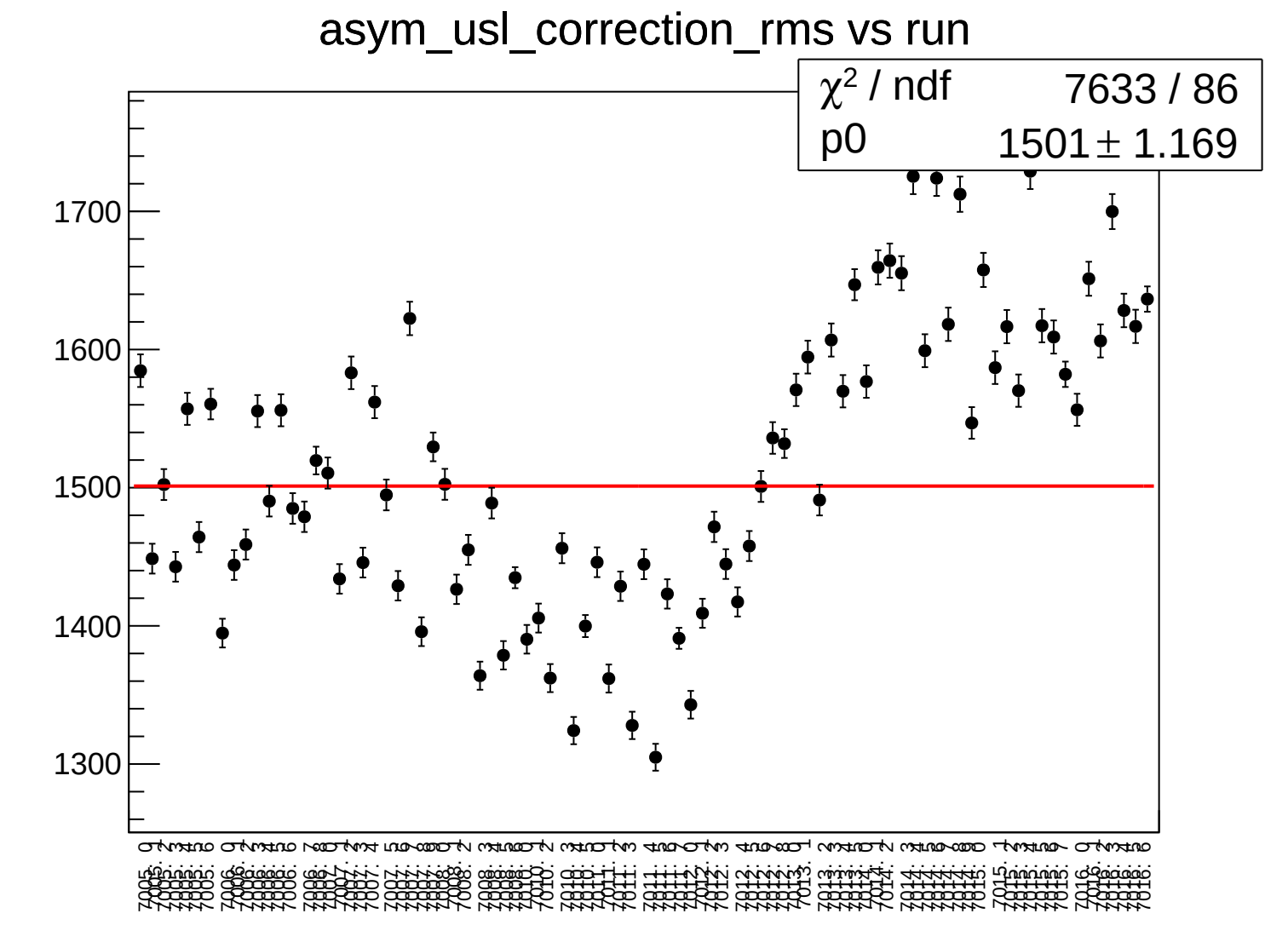

dit_asym_usl_mean vs run
χ² / ndf 82.69 / 86
p0 2784 ± 1237
pull
Entries 87
Mean −160.3
Std Dev 193.4

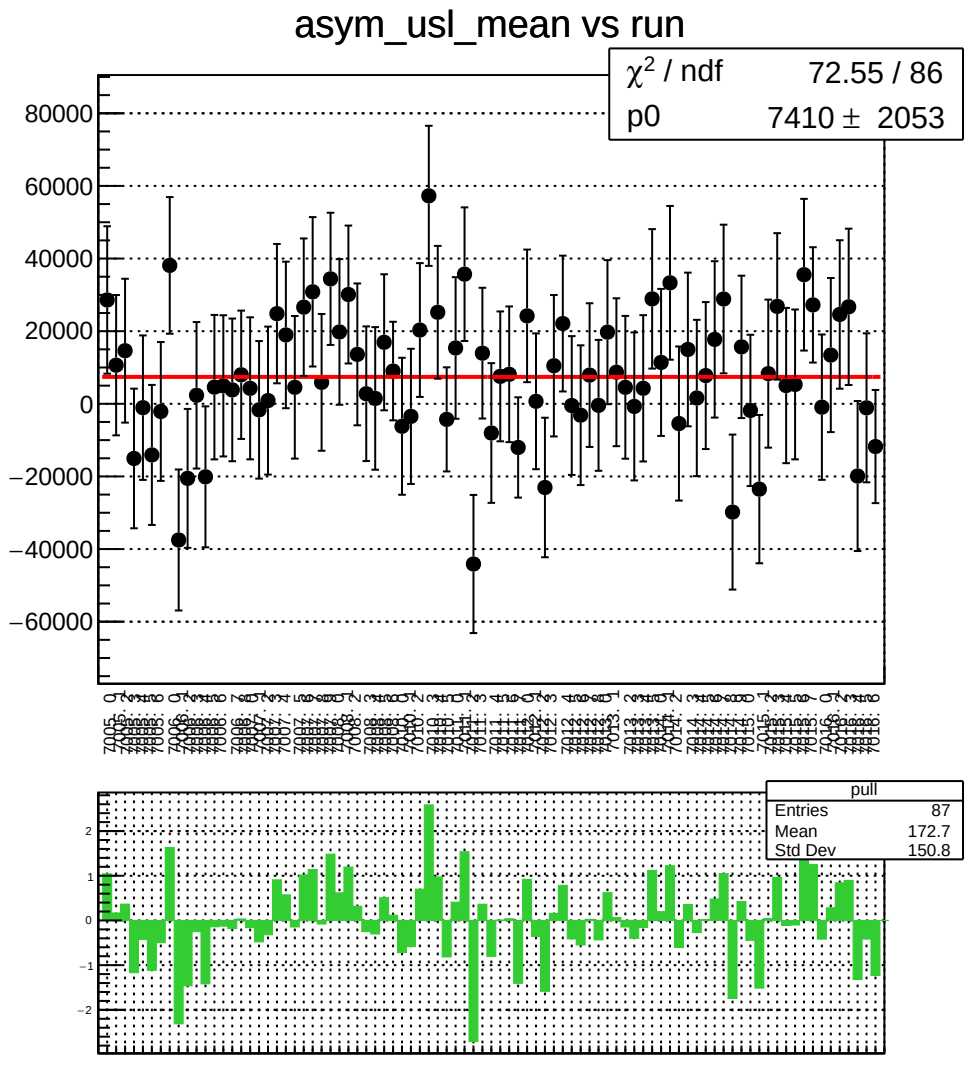

pull1D
Entries 87
Mean −0.01129
Std Dev 0.9748

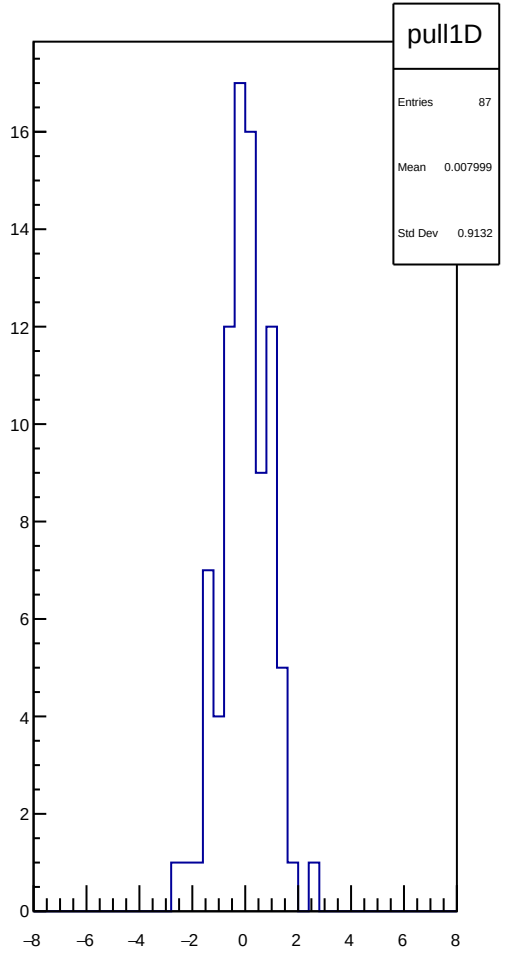

dit_asym_usl_rms vs run
χ² / ndf 286.8 / 86
p0 1125 ± 0.8747
1170
1160
1150
1140
1130
1120
1110
1100
1090

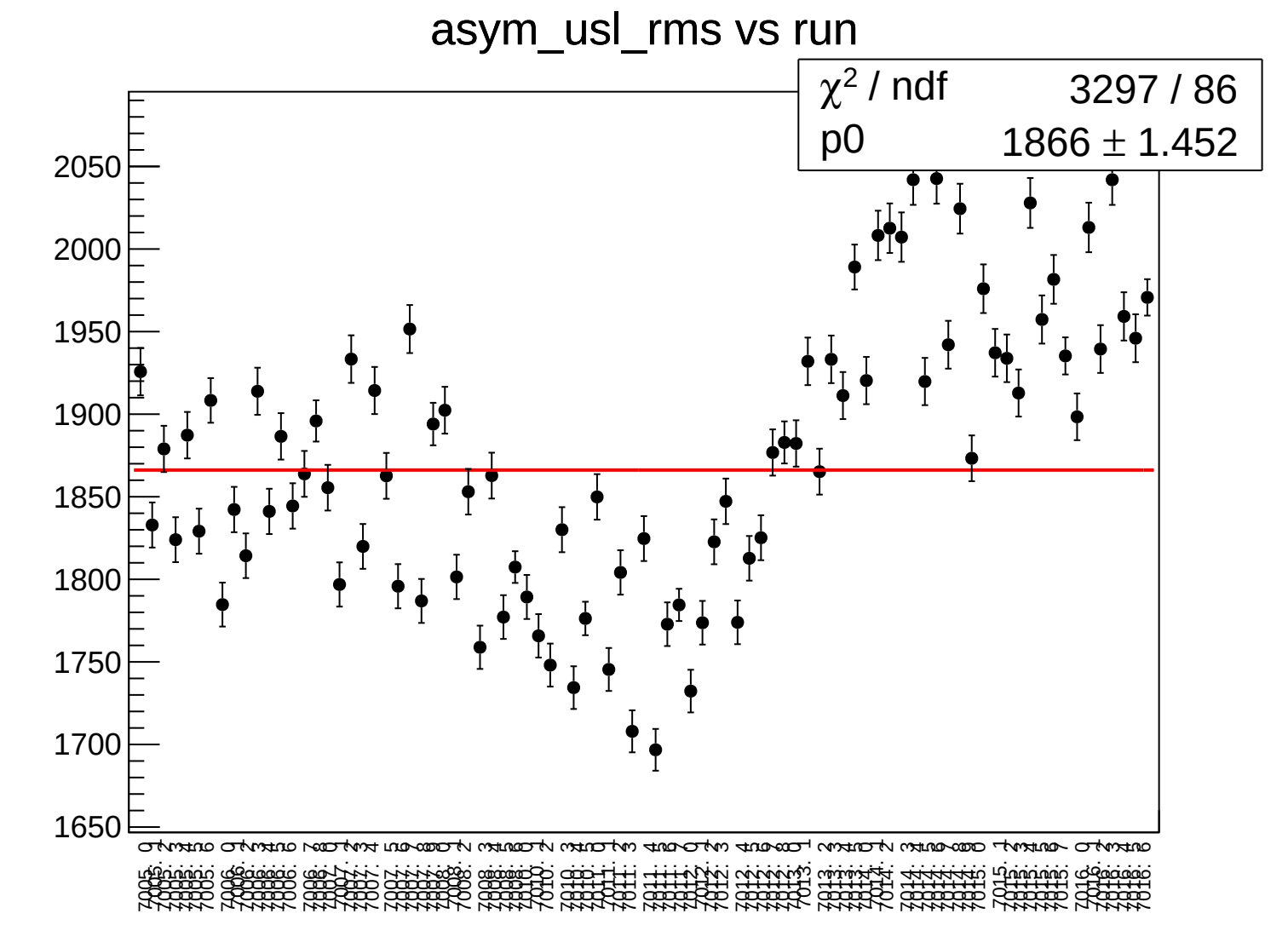

asym_usl_correction_mean vs run
χ² / ndf 70.89 / 86
p0 −4788 ± 1654
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 8.957
Std Dev 55.63
2
1
0
−1
−2

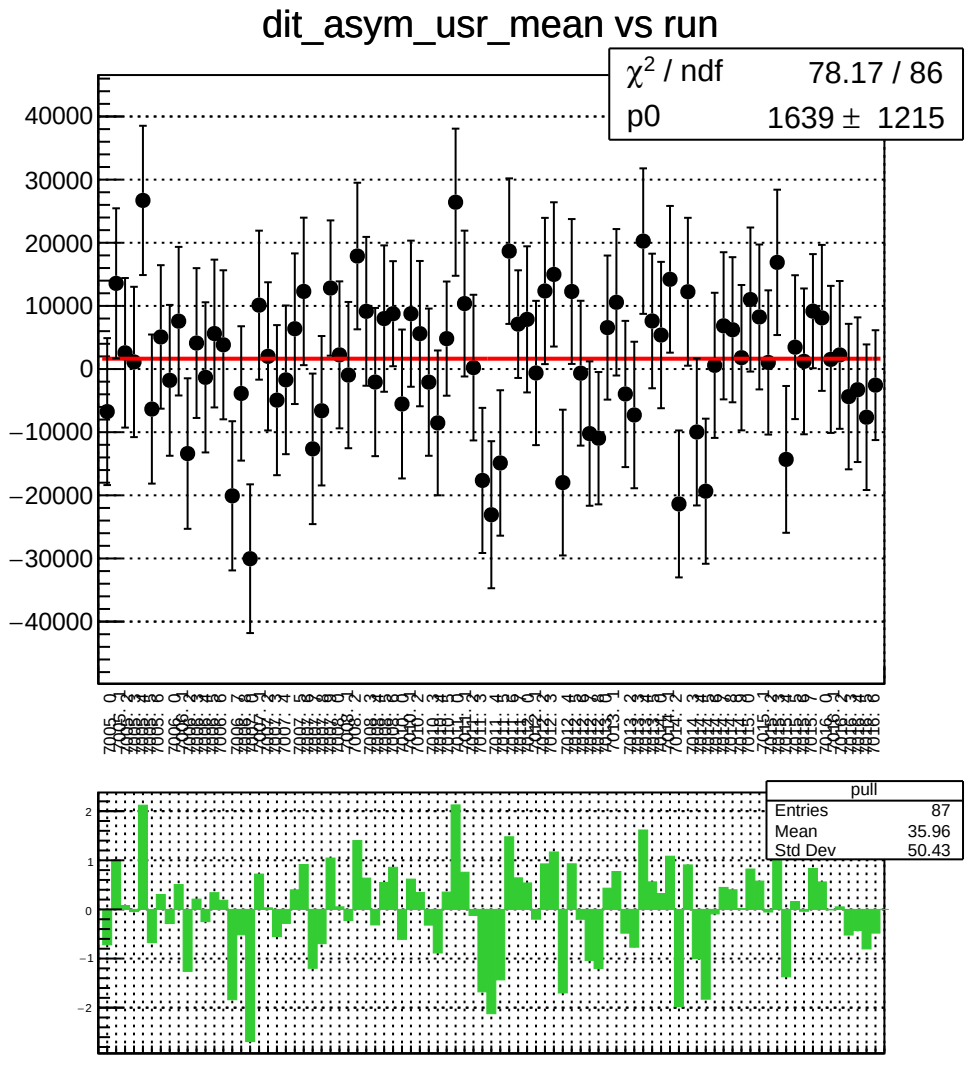

pull1D
Entries 87
Mean −0.0138
Std Dev 0.9026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

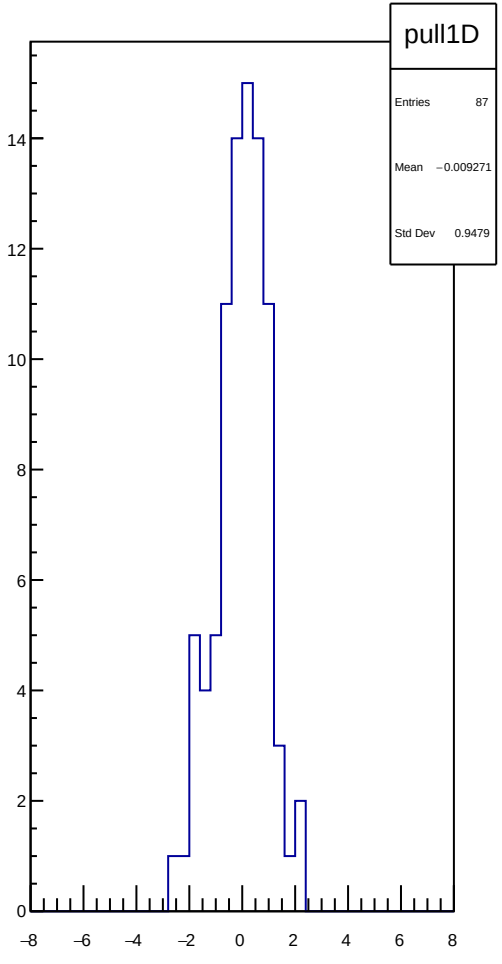

asym_usl_correction_rms vs run
χ² / ndf 7633 / 86
p0 1501 ± 1.169
1700
1600
1500
1400
1300

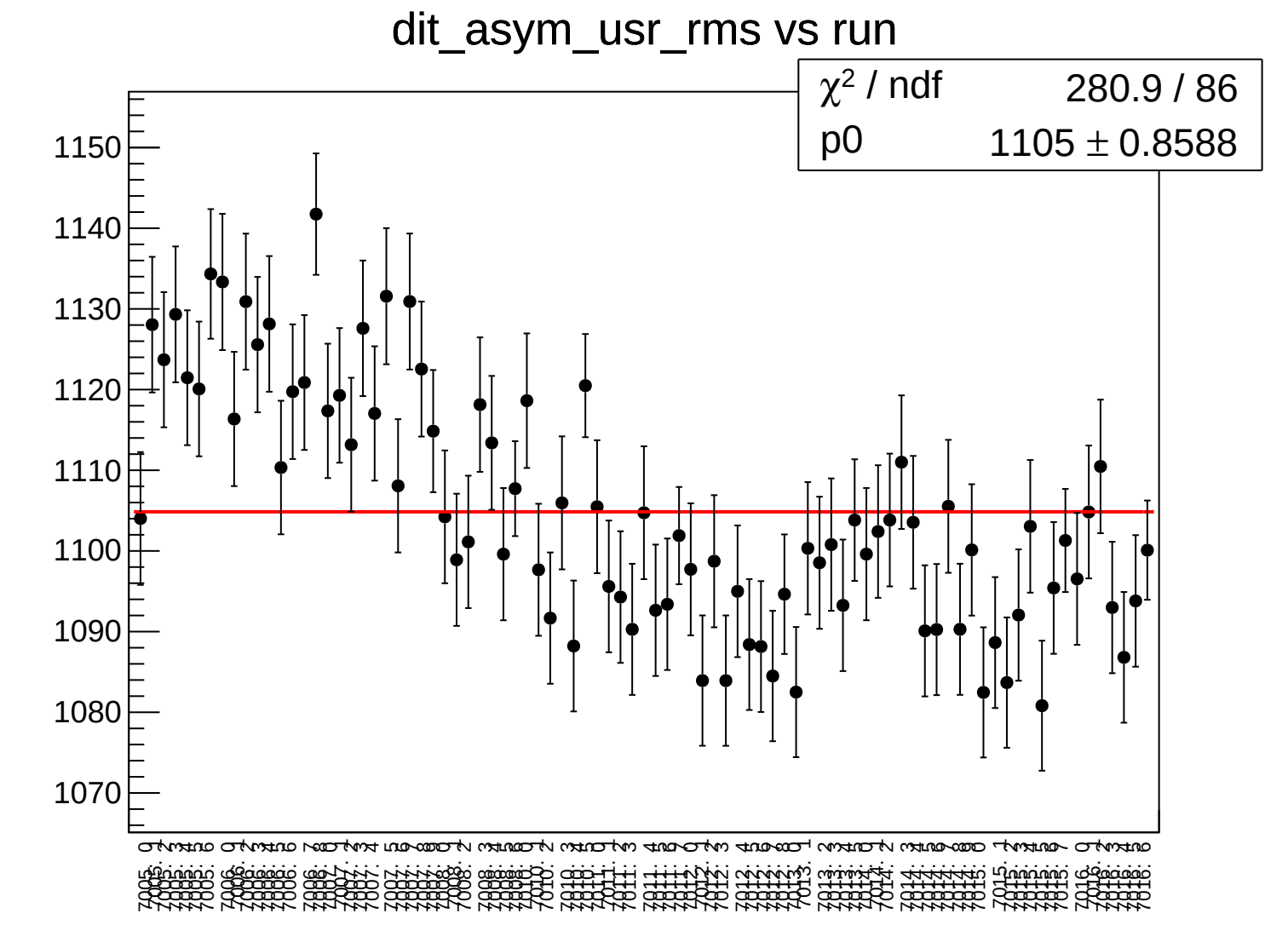

asym_usl_mean vs run
χ² / ndf 72.55 / 86
p0 7410 ± 2053
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 172.7
Std Dev 150.8
2
1
0
−1
−2

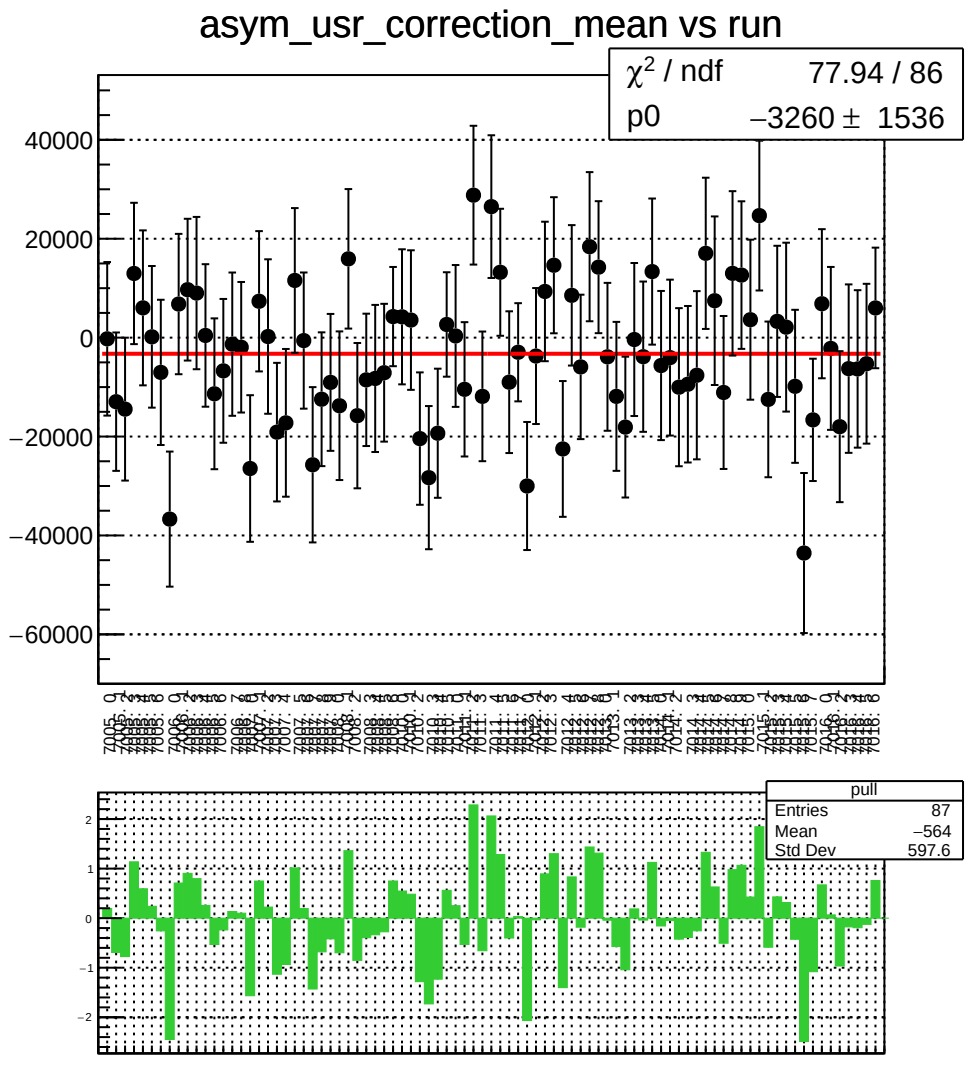

pull1D
Entries 87
Mean 0.007999
Std Dev 0.9132
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

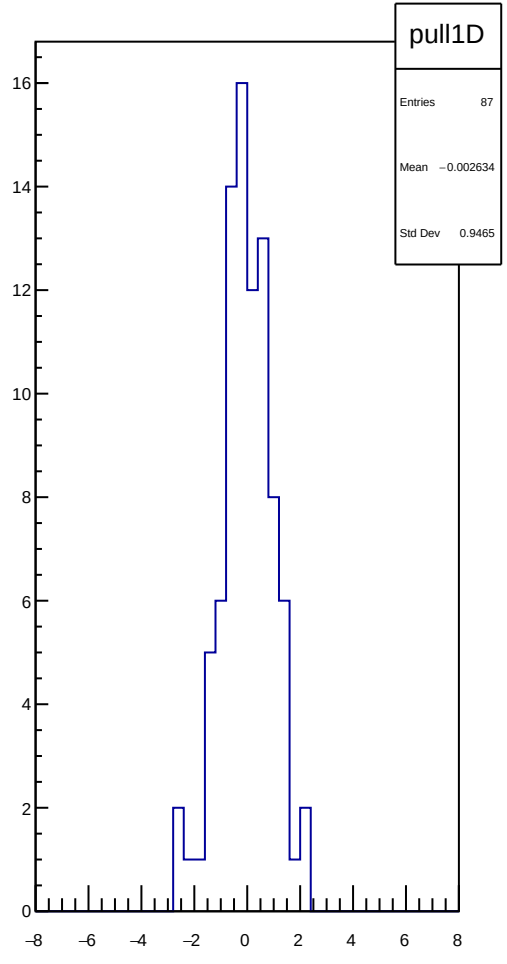

asym_usl_rms vs run
χ² / ndf 3297 / 86
p0 1866 ± 1.452
2050
2000
1950
1900
1850
1800
1750
1700
1650

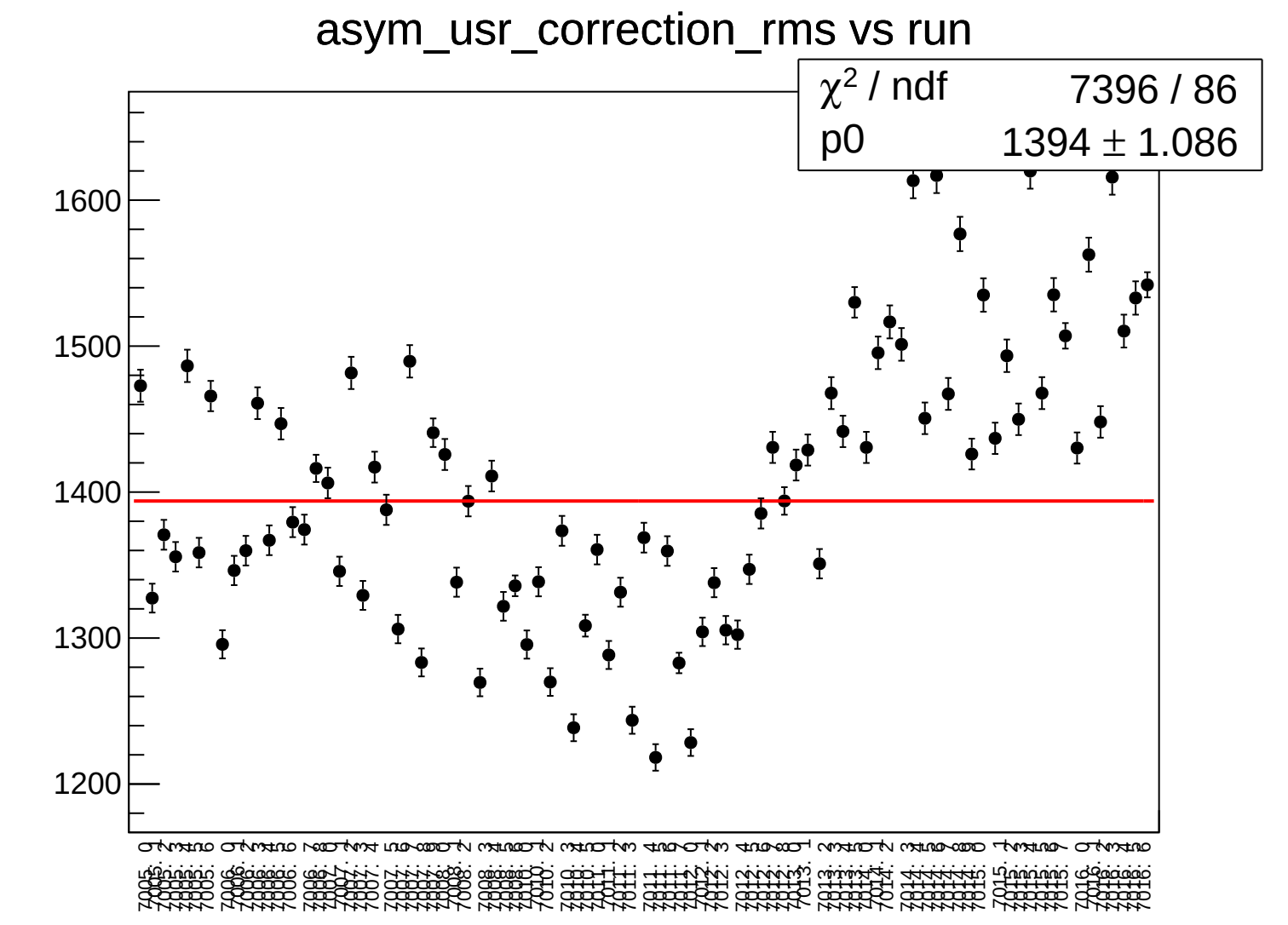

dit_asym_usr_mean vs run
χ² / ndf 78.17 / 86
p0 1639 ± 1215
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean 35.96
Std Dev 50.43
2
1
0
−1
−2

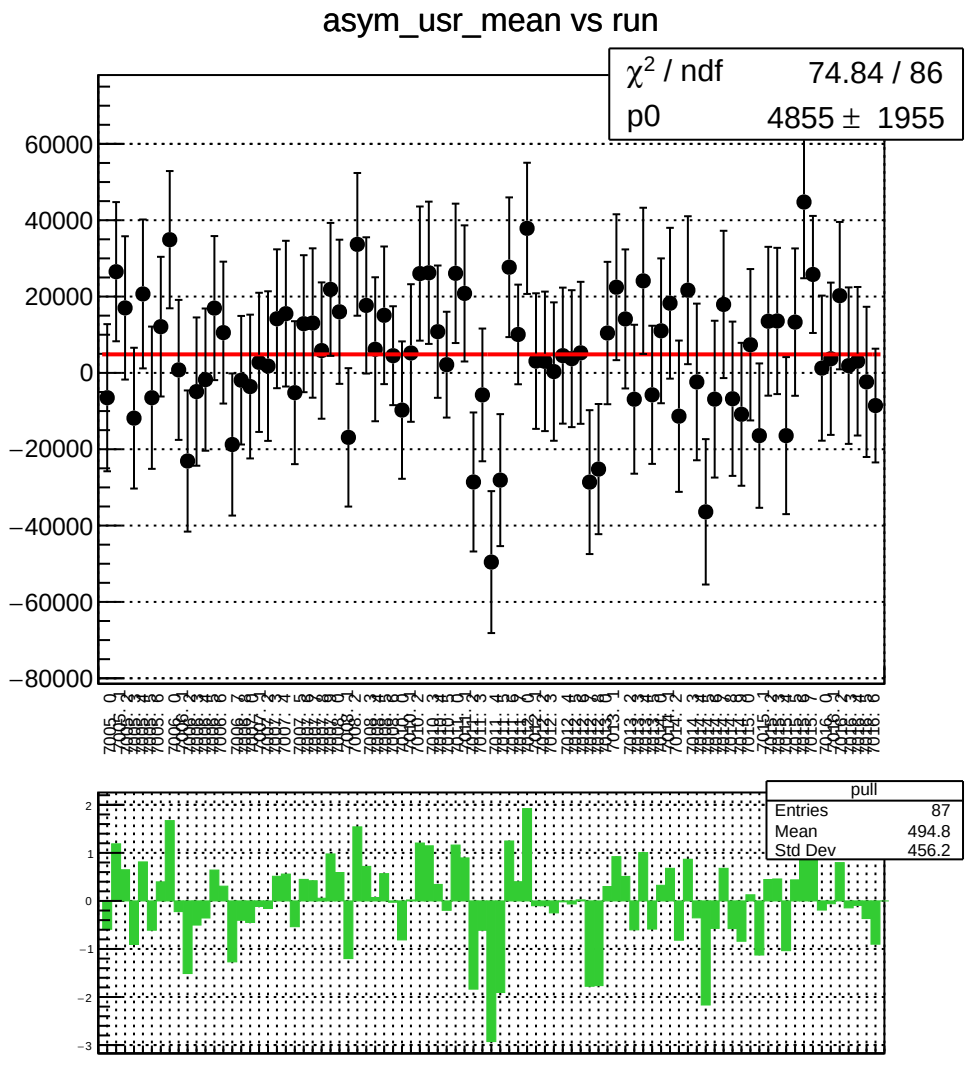

pull1D
Entries 87
Mean −0.009271
Std Dev 0.9479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

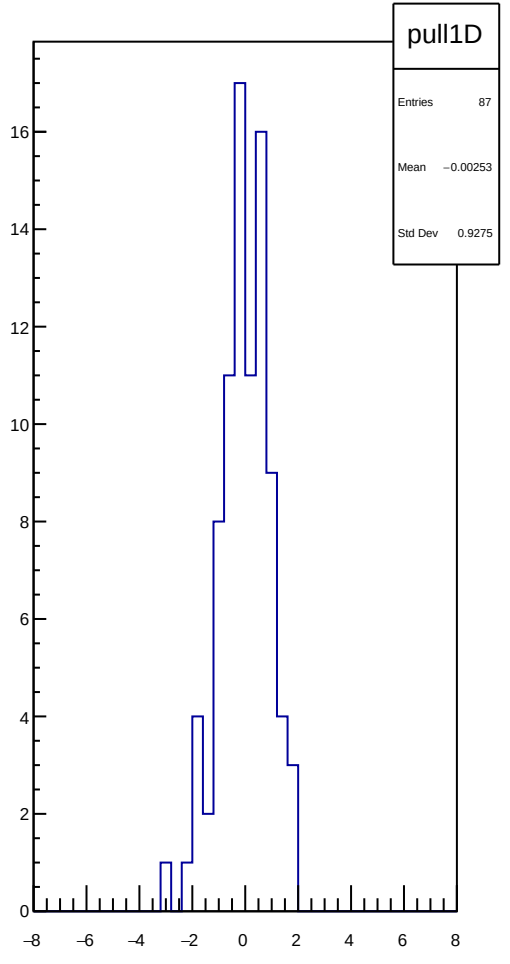

dit_asym_usr_rms vs run
χ² / ndf 280.9 / 86
p0 1105 ± 0.8588
1150
1140
1130
1120
1110
1100
1090
1080
1070

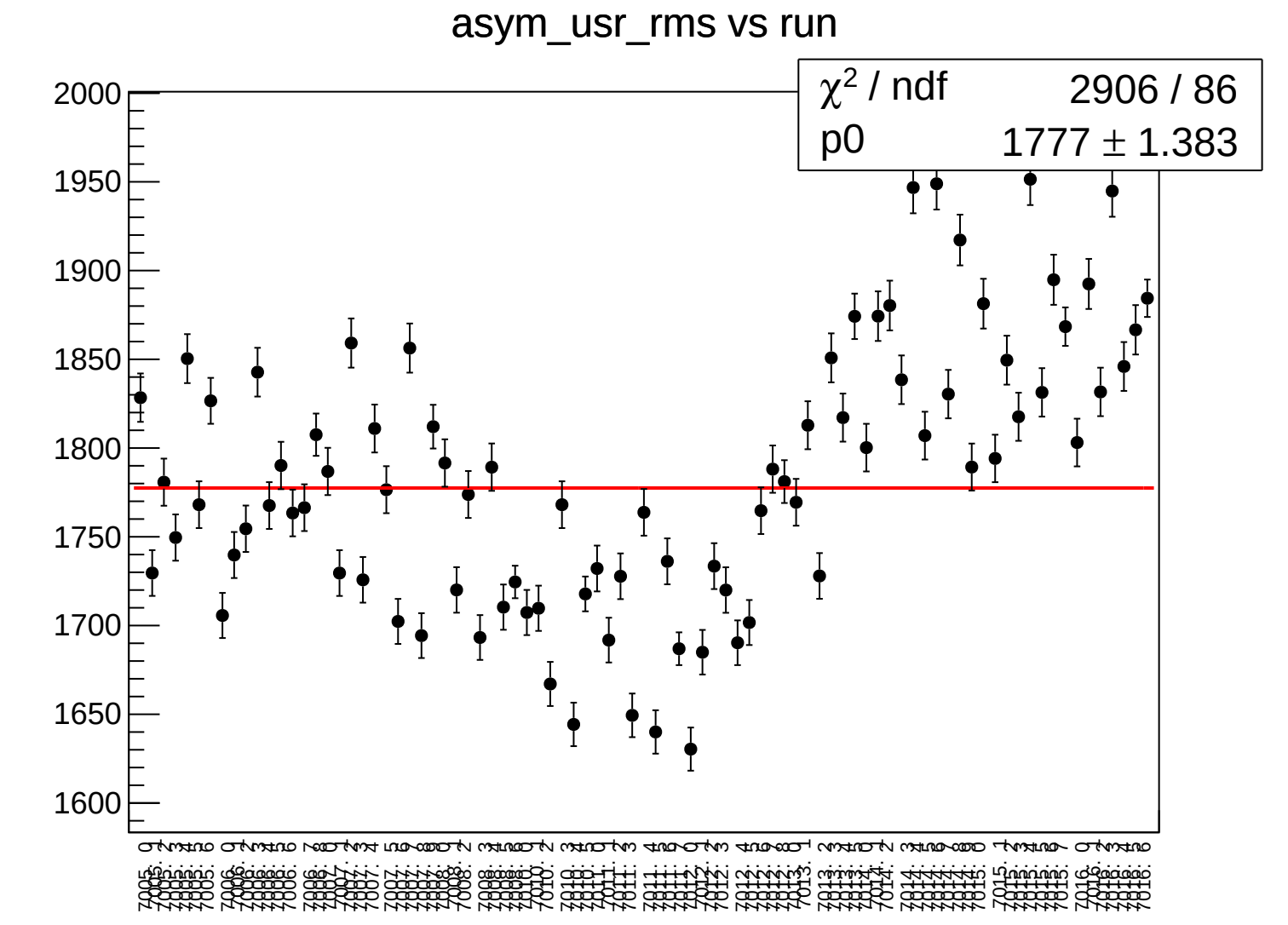

asym_usr_correction_mean vs run
χ² / ndf 77.94 / 86
p0 −3260 ± 1536
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −564
Std Dev 597.6
2
1
0
−1
−2

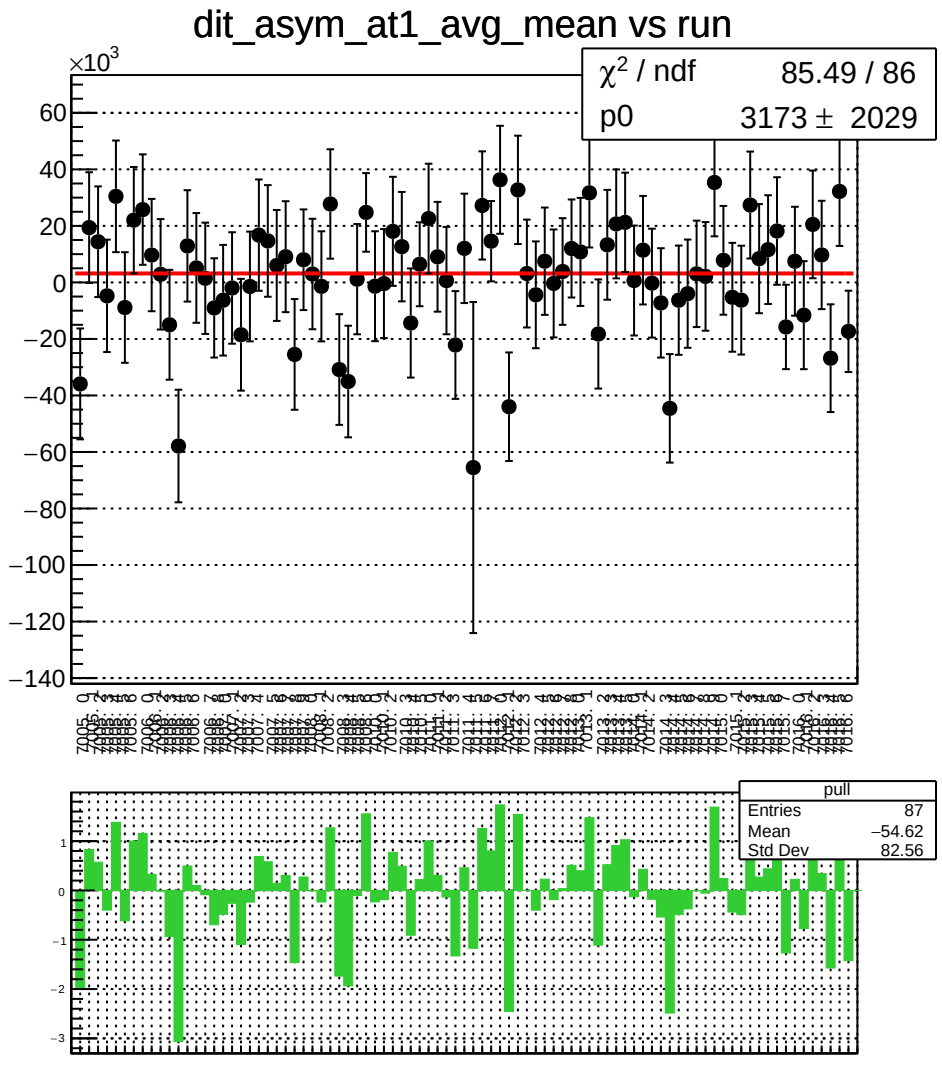

pull1D
Entries 87
Mean −0.002634
Std Dev 0.9465
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

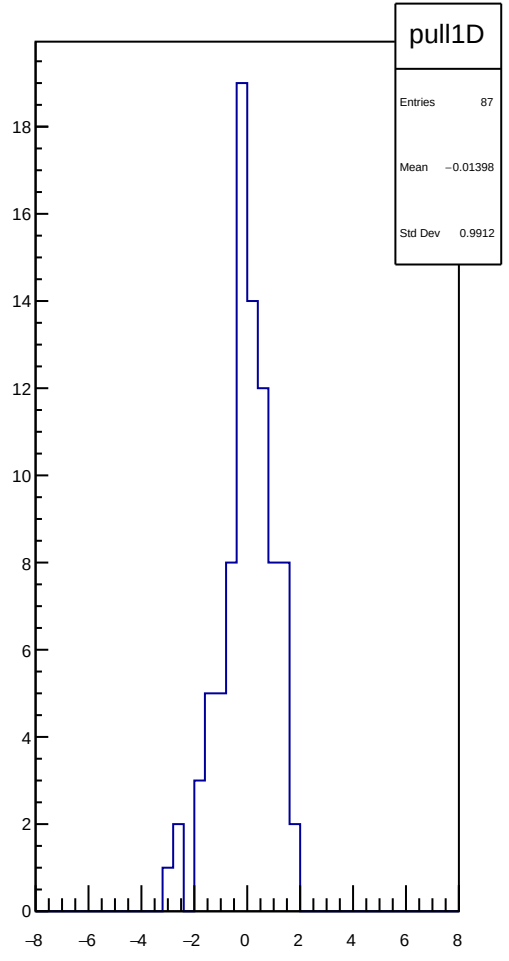

asym_usr_correction_rms vs run
χ² / ndf 7396 / 86
p0 1394 ± 1.086
1600
1500
1400
1300
1200

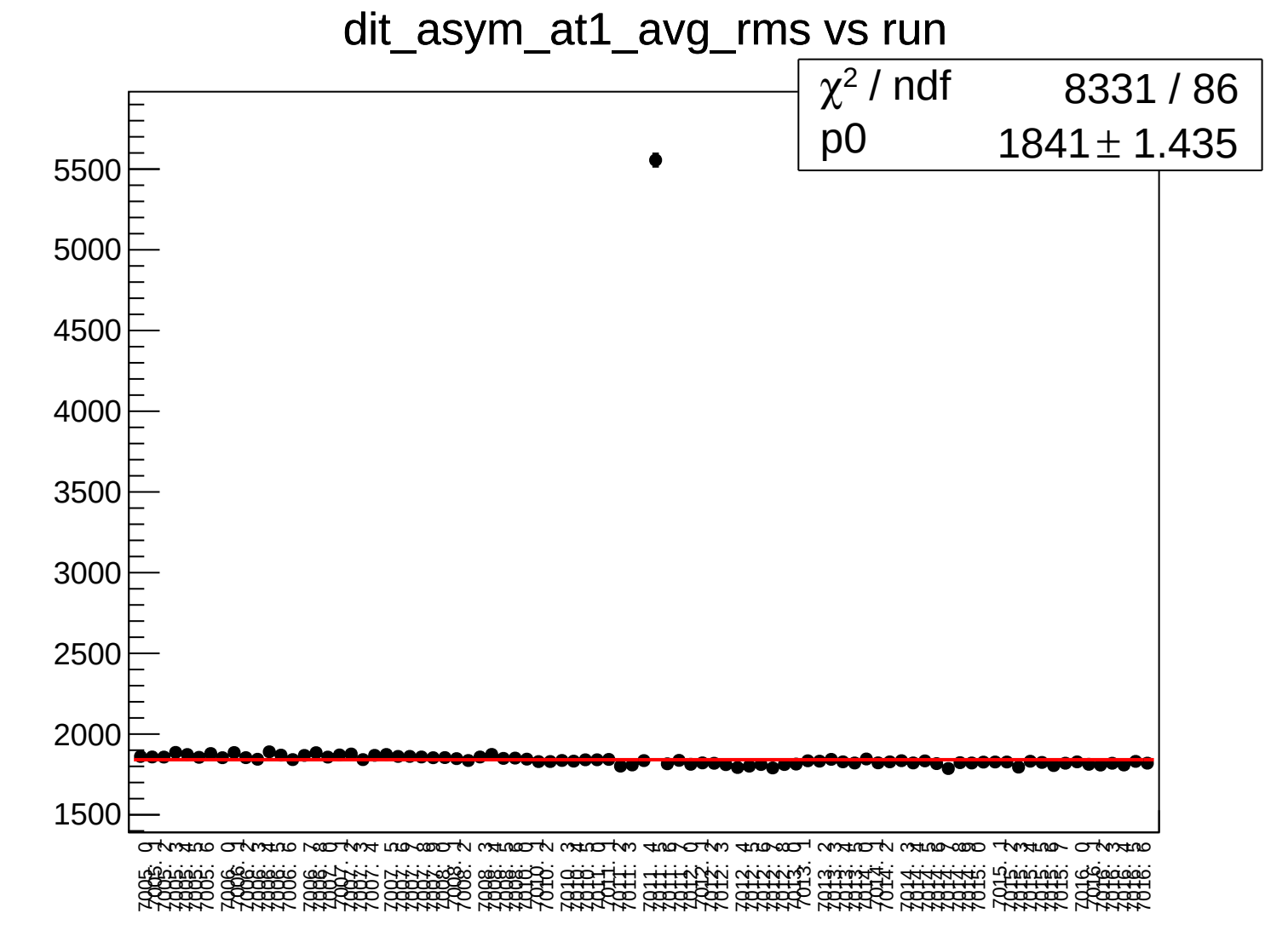

asym_usr_mean vs run
χ² / ndf 74.84 / 86
p0 4855 ± 1955
pull
Entries 87
Mean 494.8
Std Dev 456.2

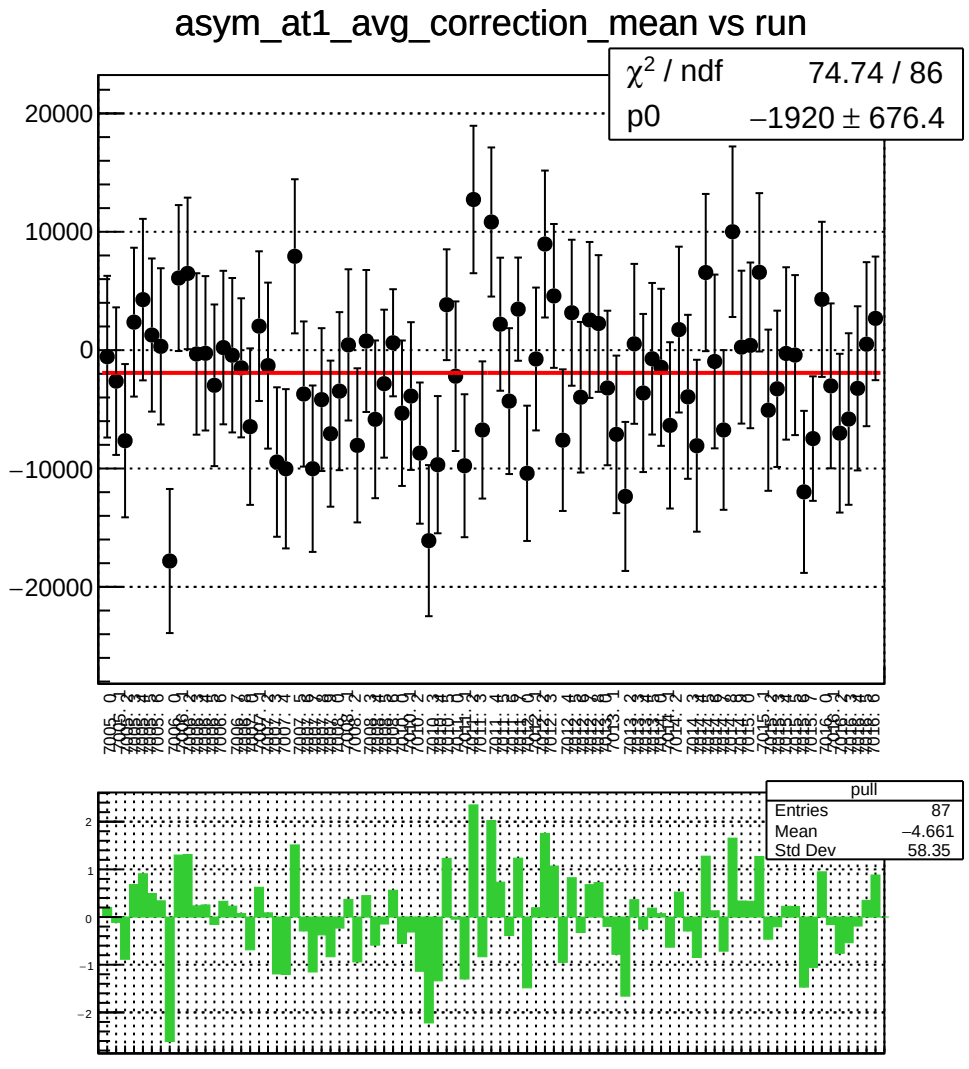

pull1D
Entries 87
Mean −0.00253
Std Dev 0.9275

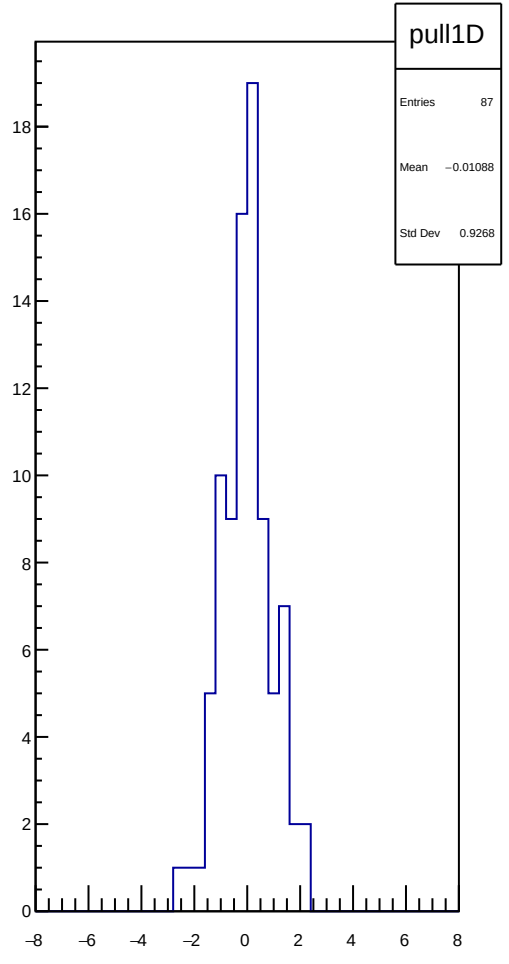

asym_usr_rms vs run
χ² / ndf 2906 / 86
p0 1777 ± 1.383
2000
1950
1900
1850
1800
1750
1700
1650
1600

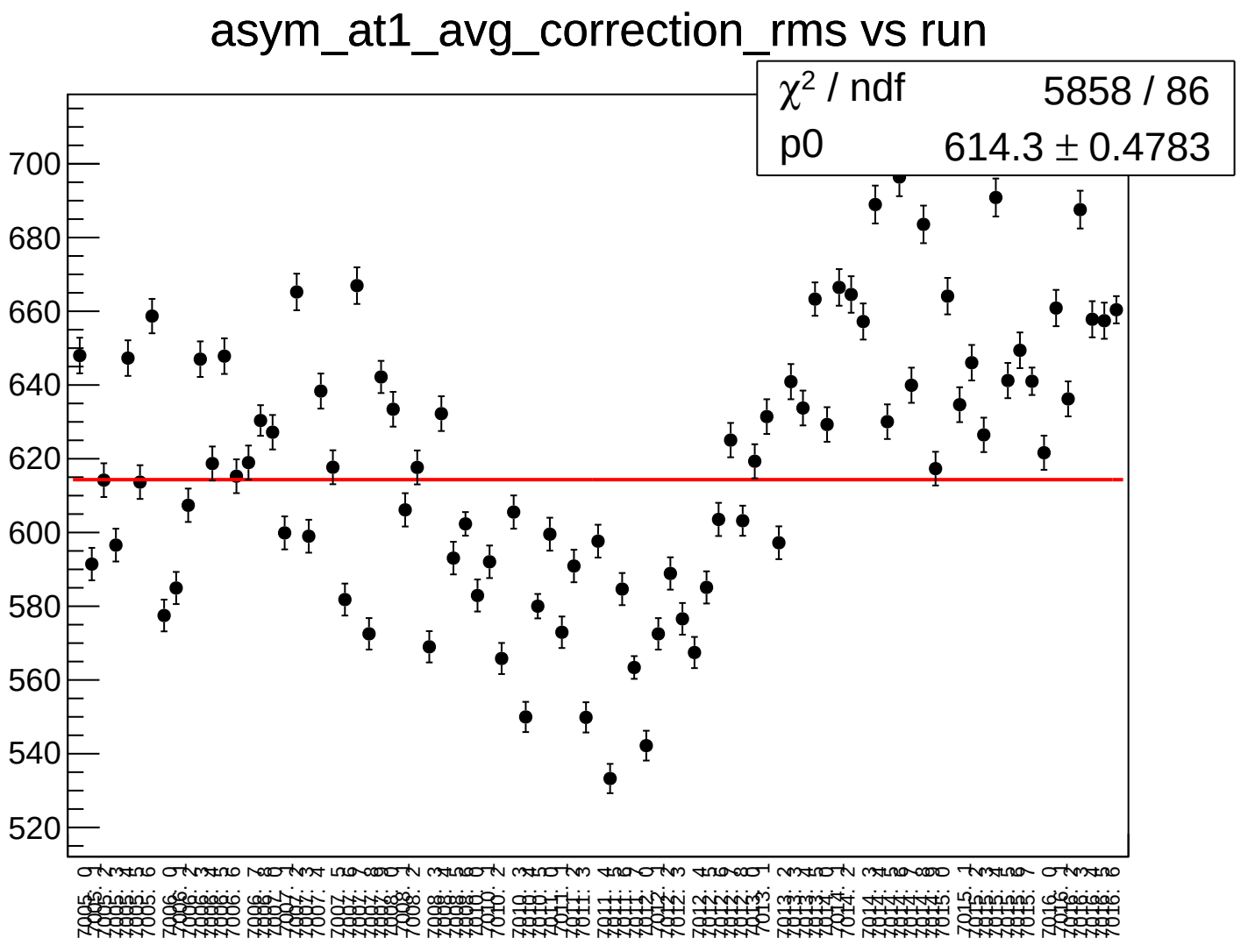

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 85.49 / 86
p0 3173 ± 2029
pull
Entries 87
Mean −54.62
Std Dev 82.56

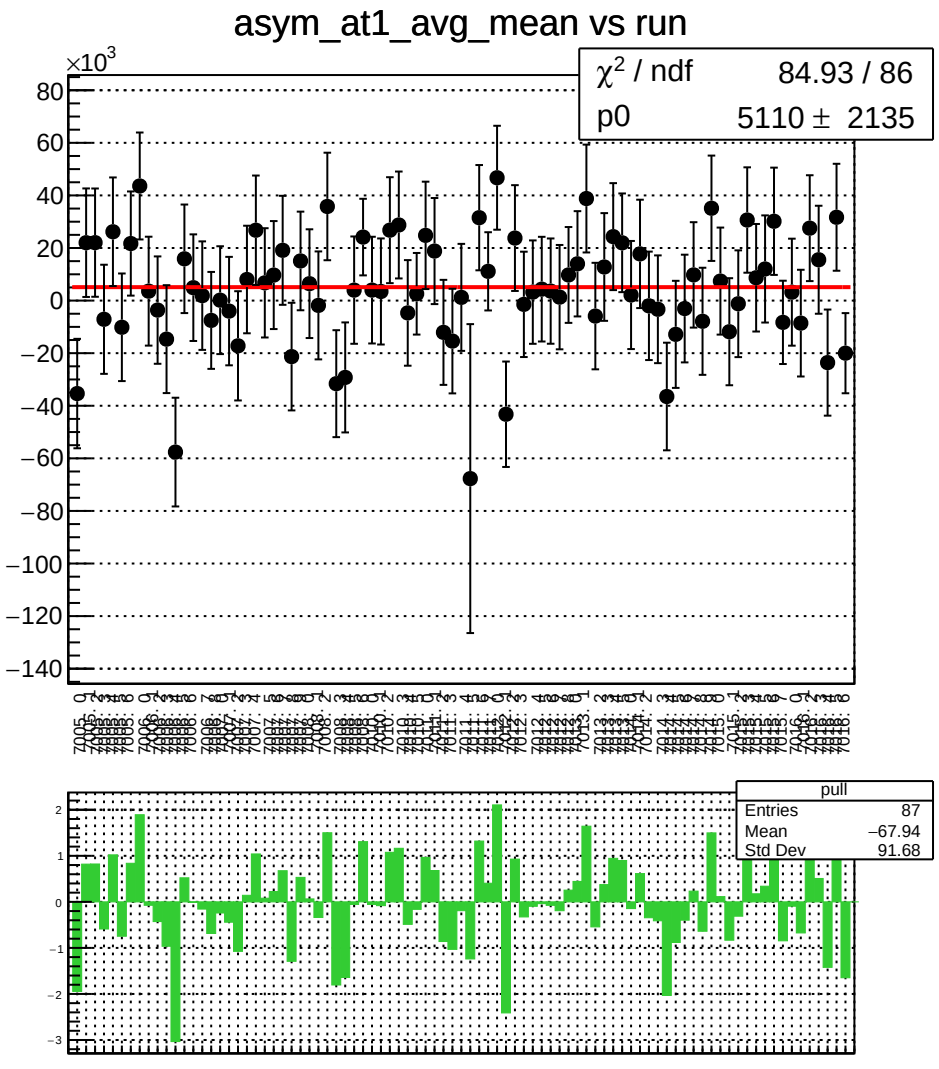

pull1D
Entries 87
Mean −0.01398
Std Dev 0.9912

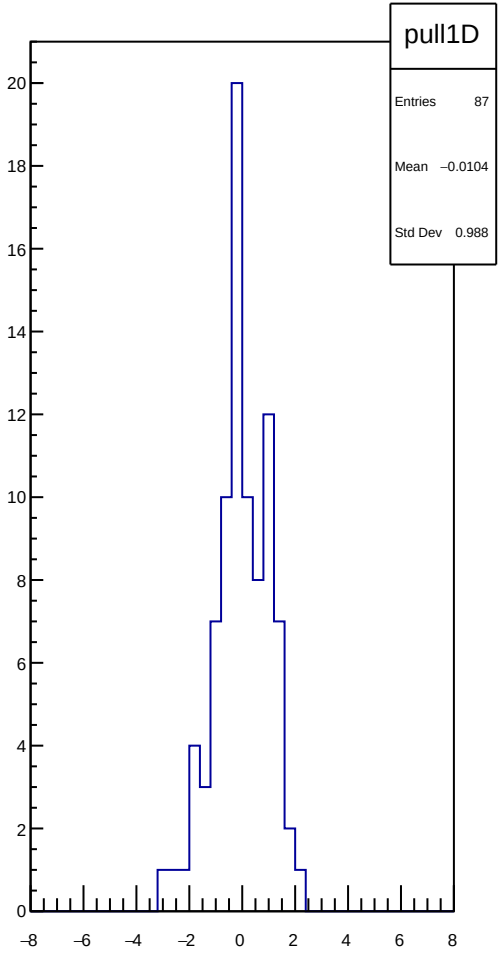

dit_asym_at1_avg_rms vs run
χ² / ndf 8331 / 86
p0 1841 ± 1.435
5500
5000
4500
4000
3500
3000
2500
2000
1500

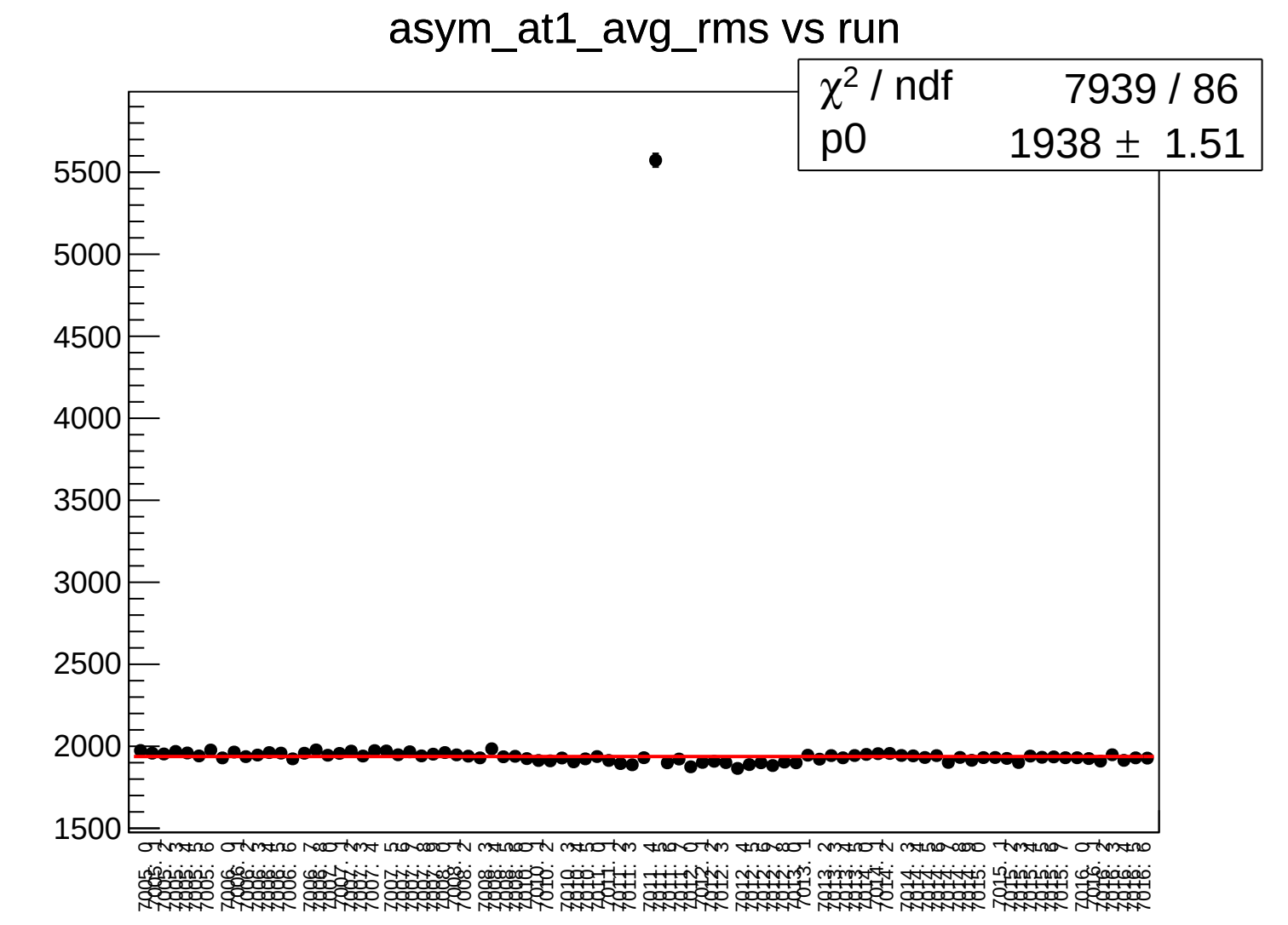

asym_at1_avg_correction_mean vs run
χ² / ndf 74.74 / 86
p0 −1920 ± 676.4
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −4.661
Std Dev 58.35
2
1
0
−1
−2

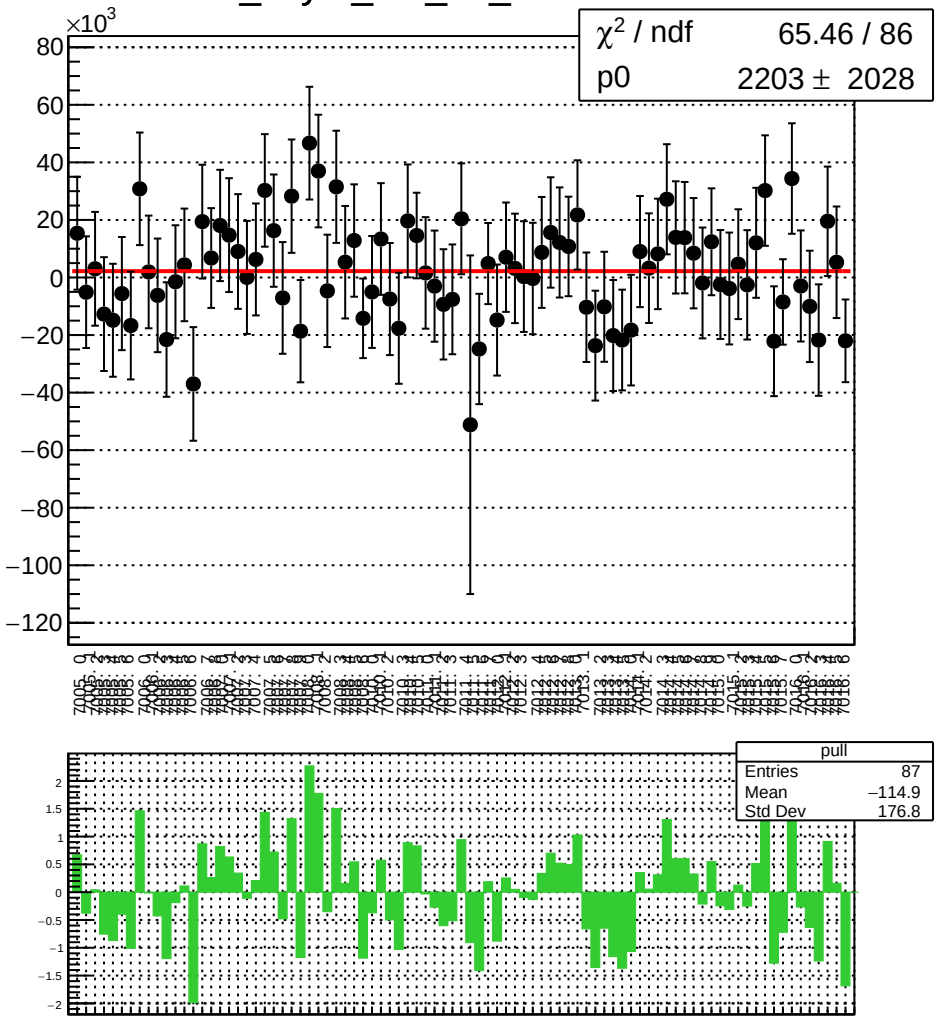

pull1D
Entries 87
Mean −0.01088
Std Dev 0.9268
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

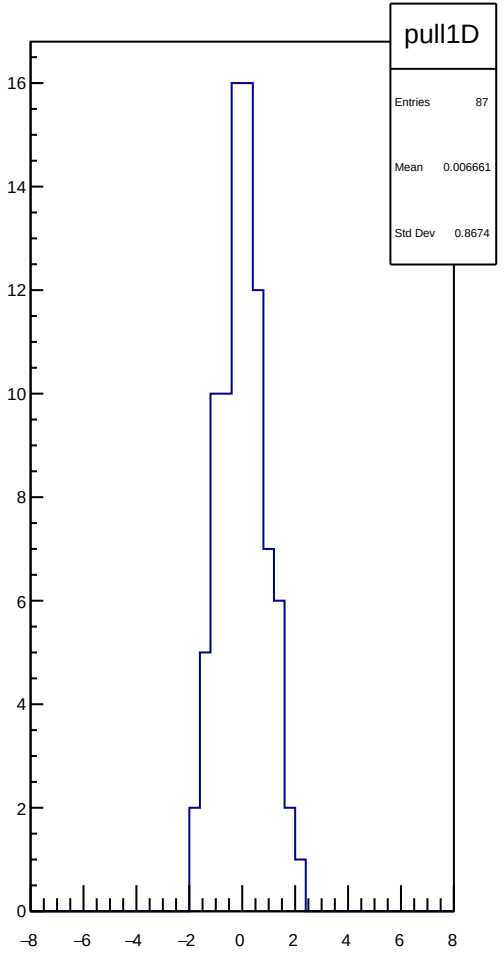

asym_at1_avg_correction_rms vs run
χ² / ndf 5858 / 86
p0 614.3 ± 0.4783
700
680
660
640
620
600
580
560
540
520

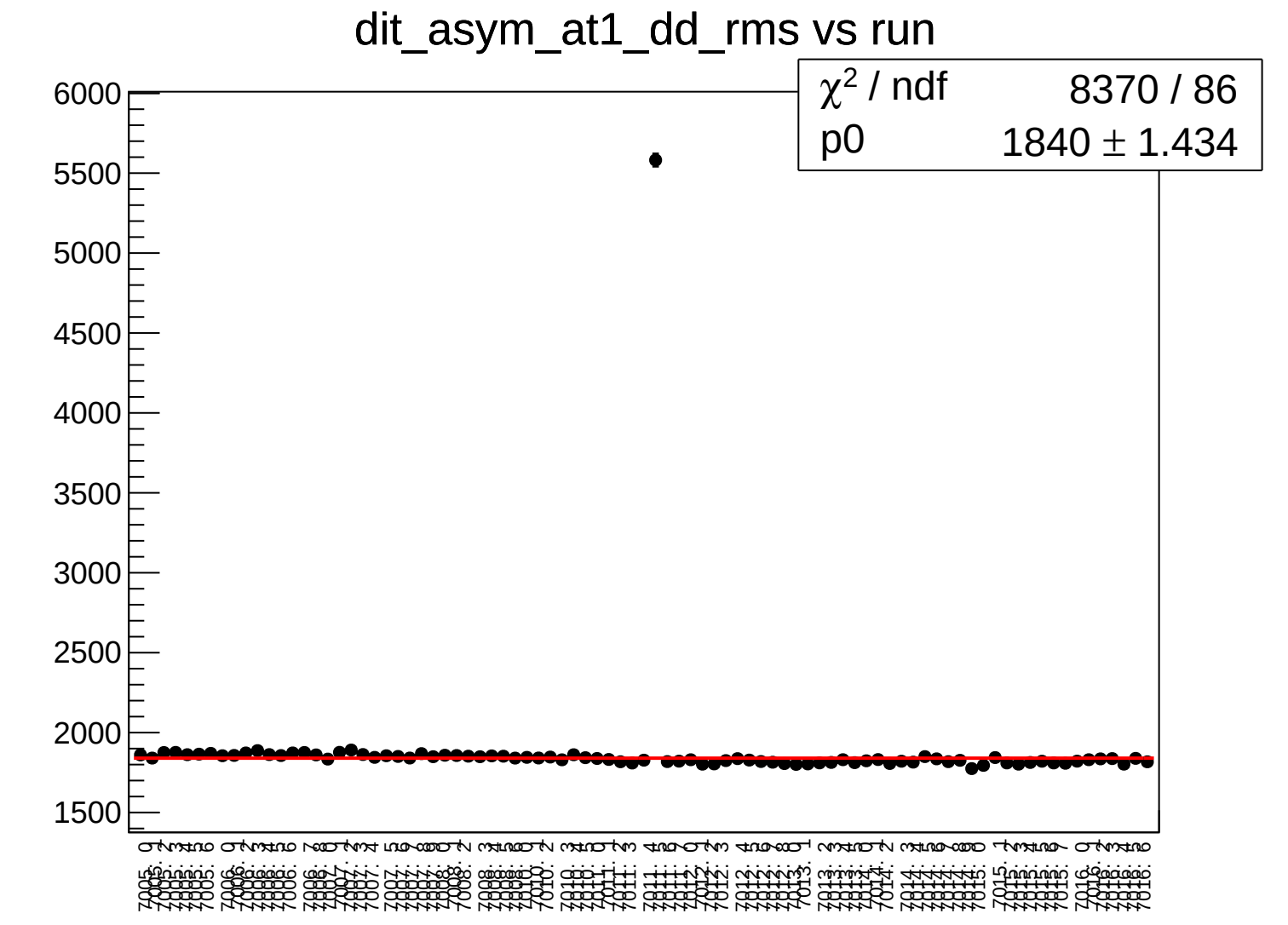

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 84.93 / 86
p0 5110 ± 2135
pull
Entries 87
Mean −67.94
Std Dev 91.68

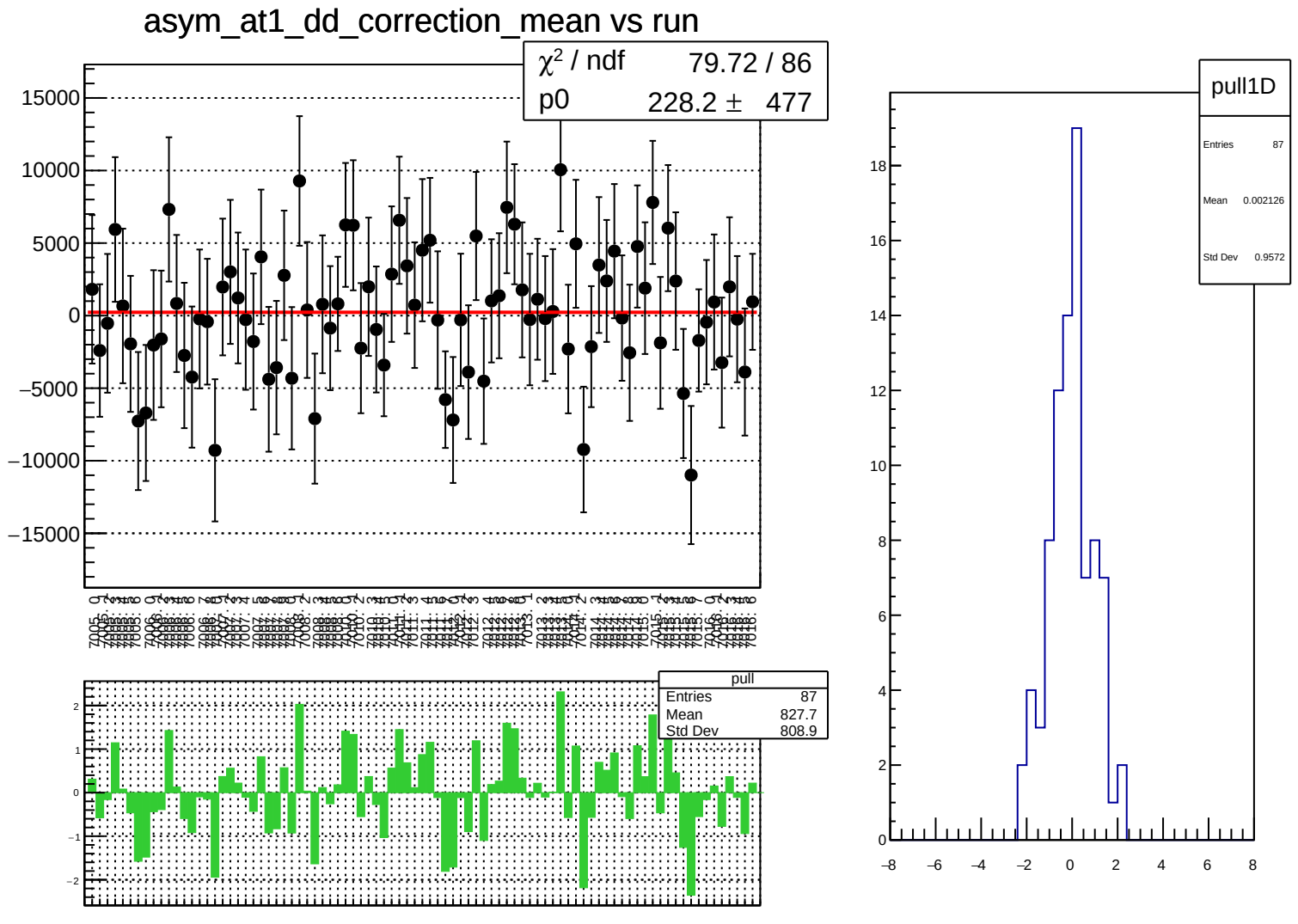

pull1D
Entries 87
Mean −0.0104
Std Dev 0.988

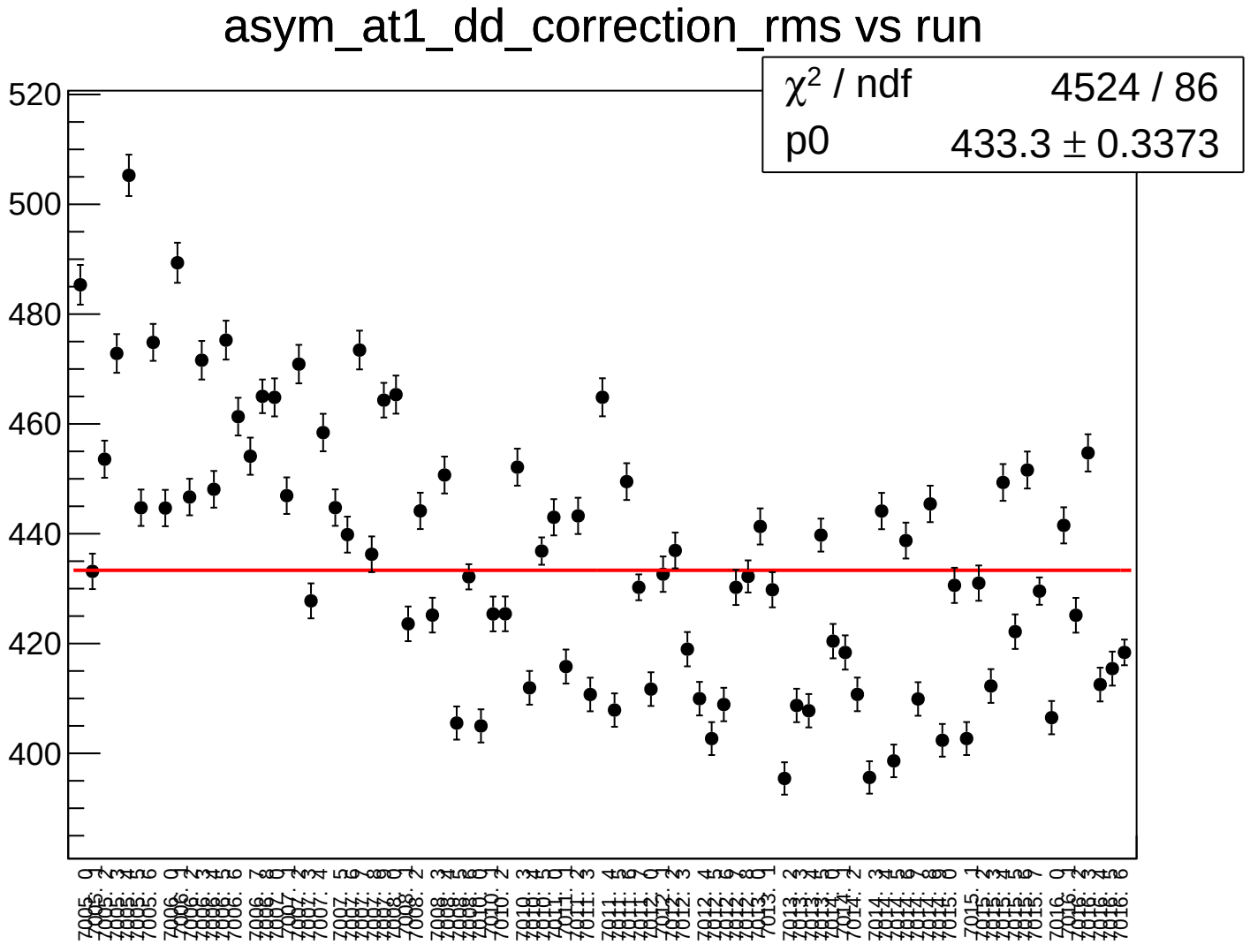

asym_at1_avg_rms vs run
χ² / ndf 7939 / 86
p0 1938 ± 1.51
5500
5000
4500
4000
3500
3000
2500
2000
1500

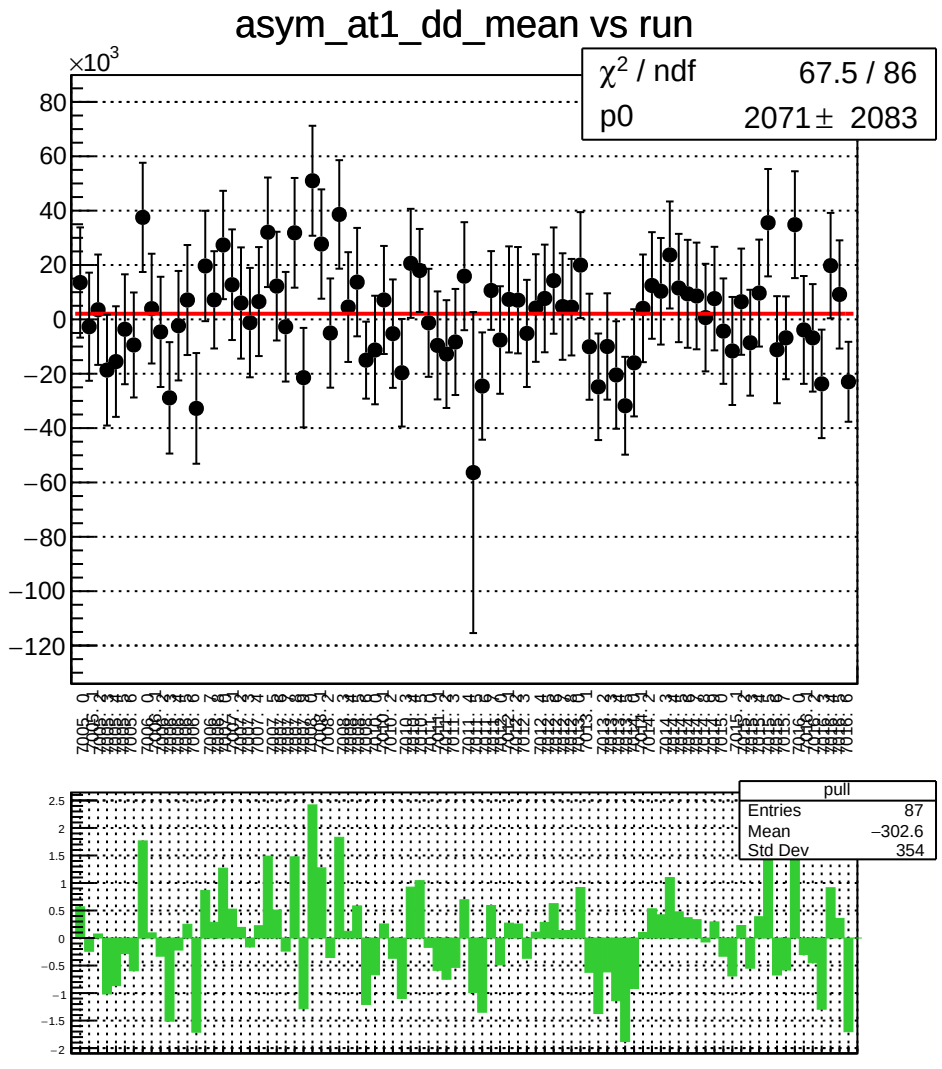

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 65.46 / 86
p0 2203 ± 2028
pull
Entries 87
Mean −114.9
Std Dev 176.8

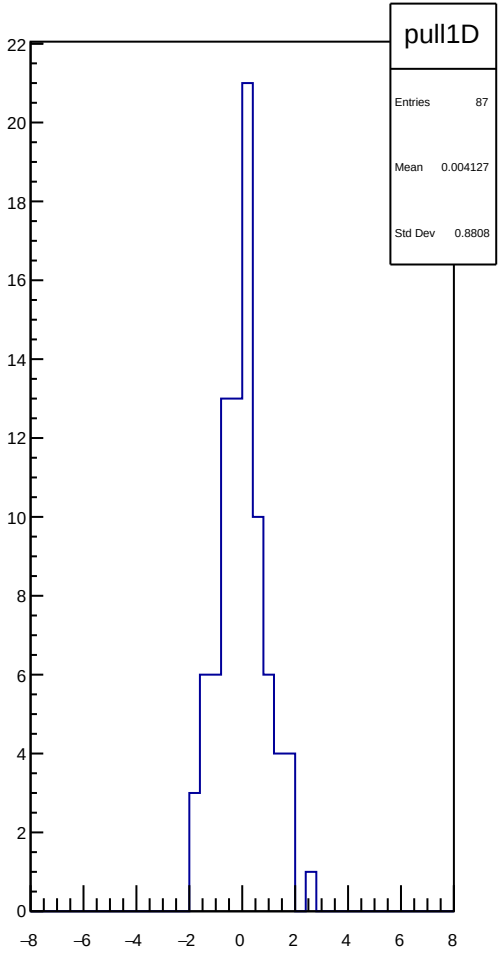

pull1D
Entries 87
Mean 0.006661
Std Dev 0.8674

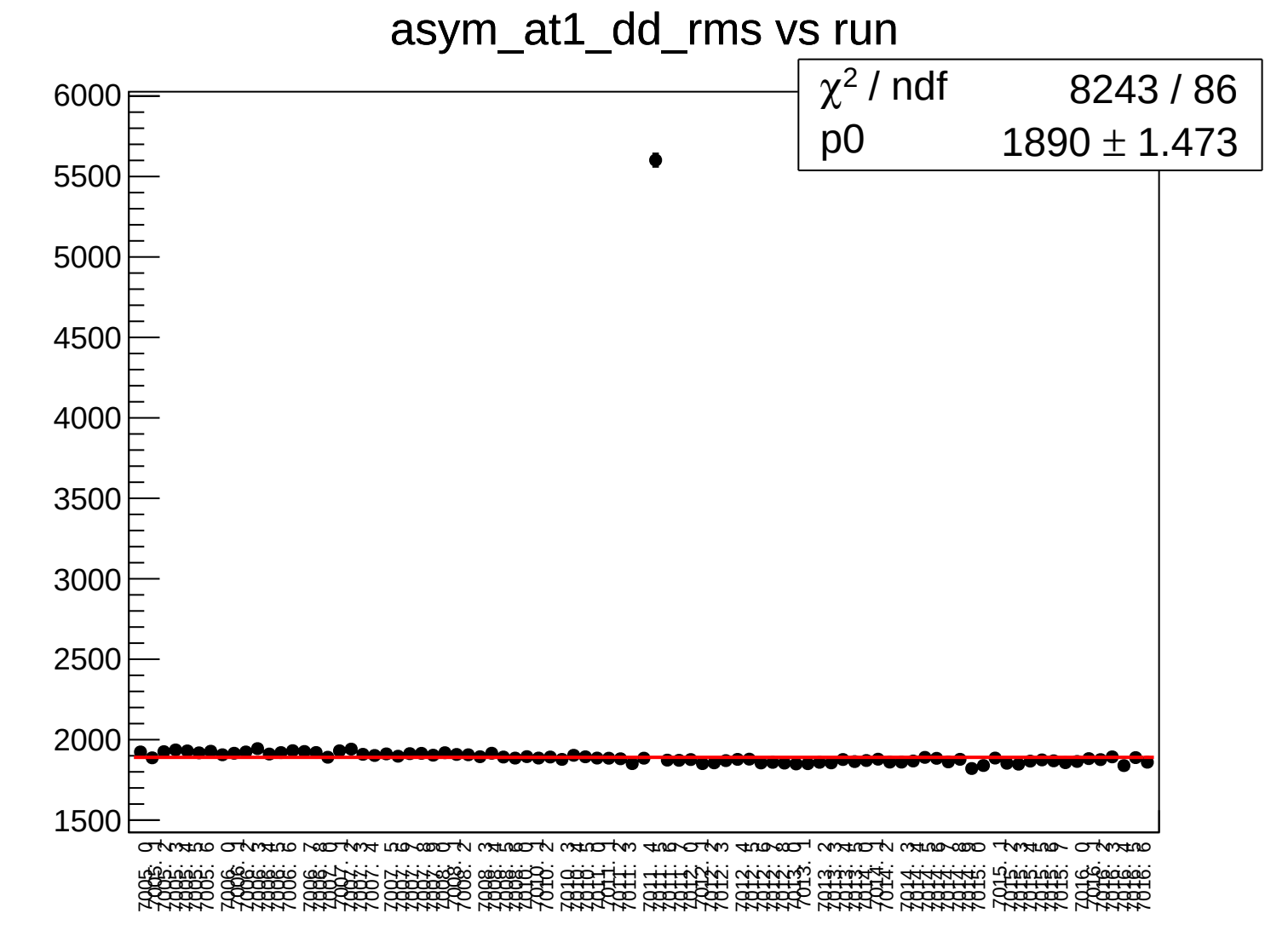

dit_asym_at1_dd_rms vs run
χ² / ndf 8370 / 86
p0 1840 ± 1.434
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

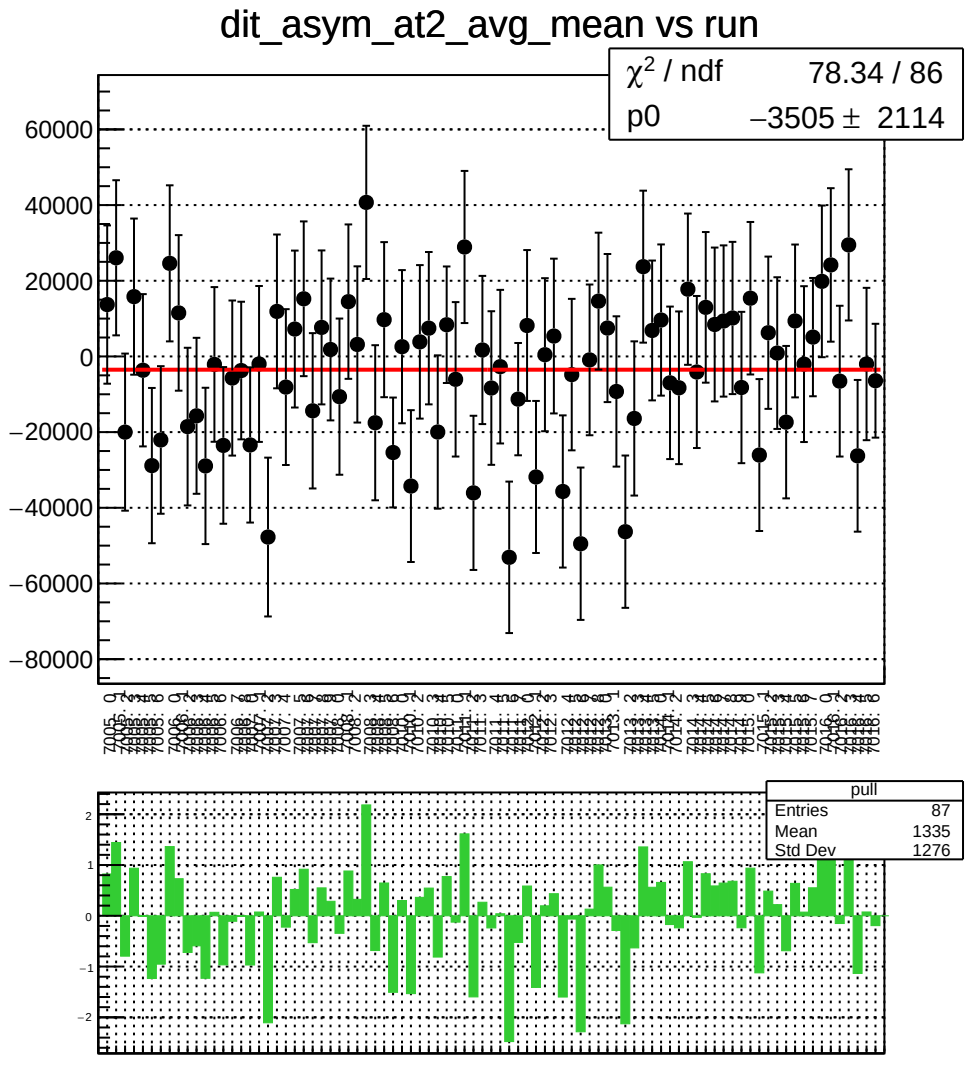

asym_at1_dd_correction_mean vs run
χ² / ndf 79.72 / 86
p0 228.2 ± 477
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 827.7
Std Dev 808.9
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.002126
Std Dev 0.9572
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

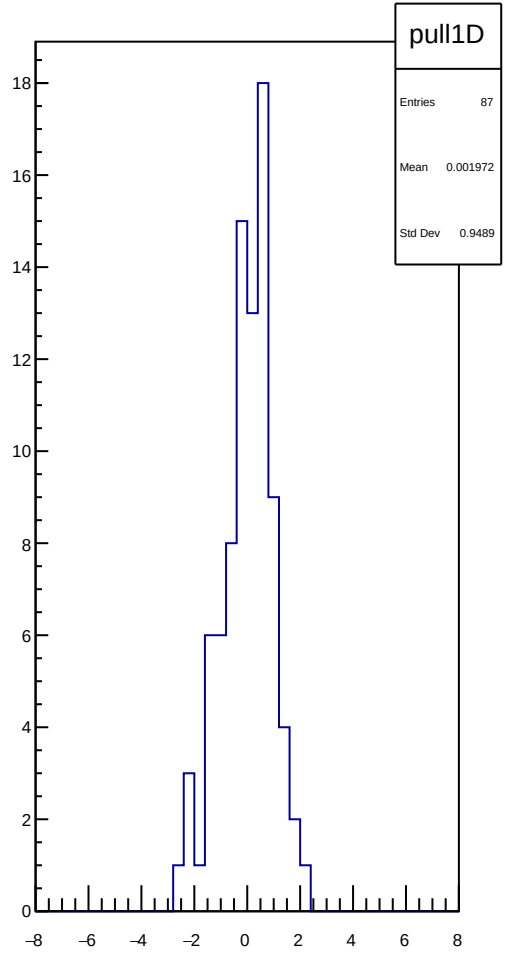

asym_at1_dd_correction_rms vs run
χ² / ndf 4524 / 86
p0 433.3 ± 0.3373
520
500
480
460
440
420
400

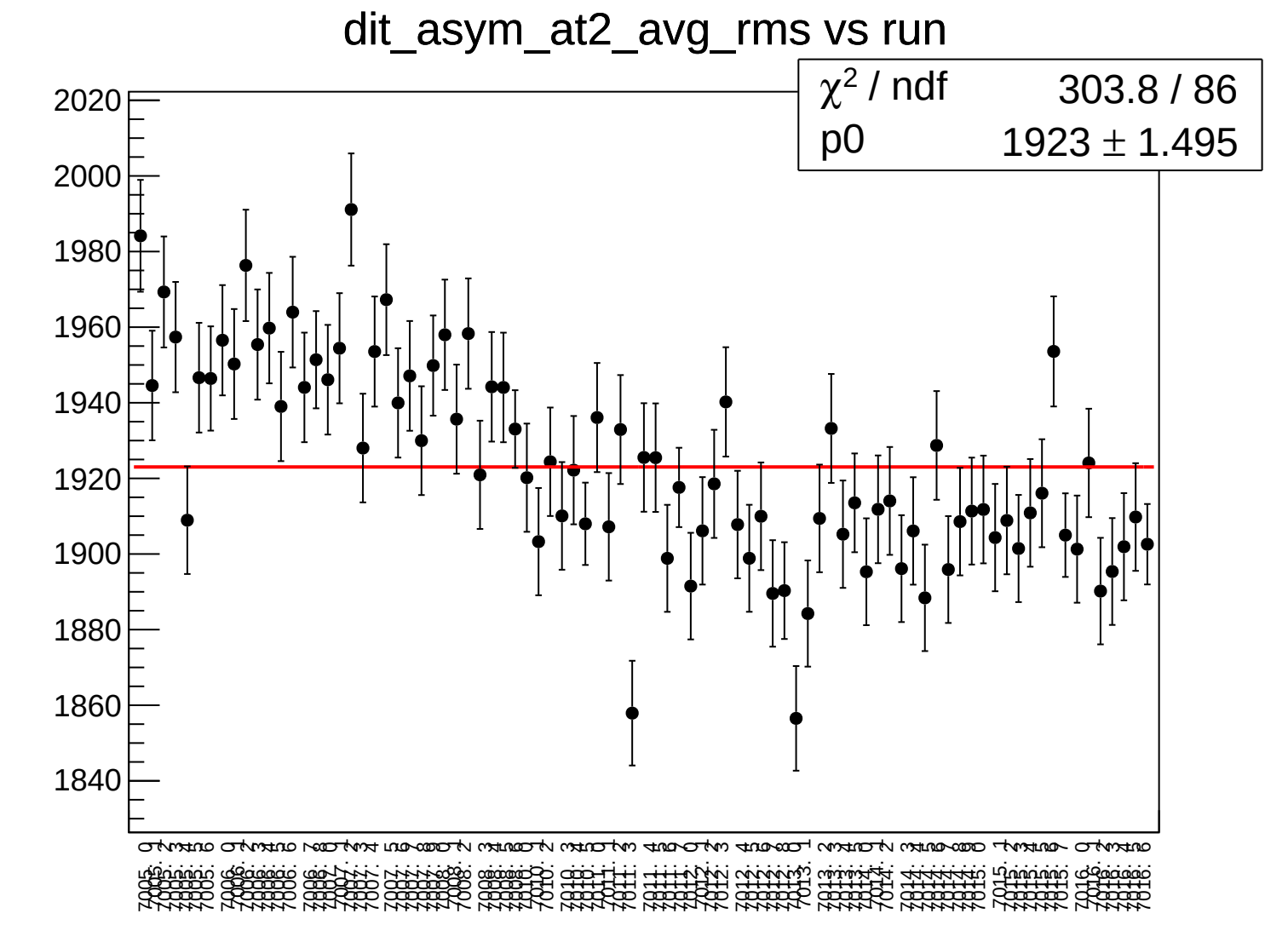

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 67.5 / 86
p0 2071 ± 2083
pull
Entries 87
Mean −302.6
Std Dev 354

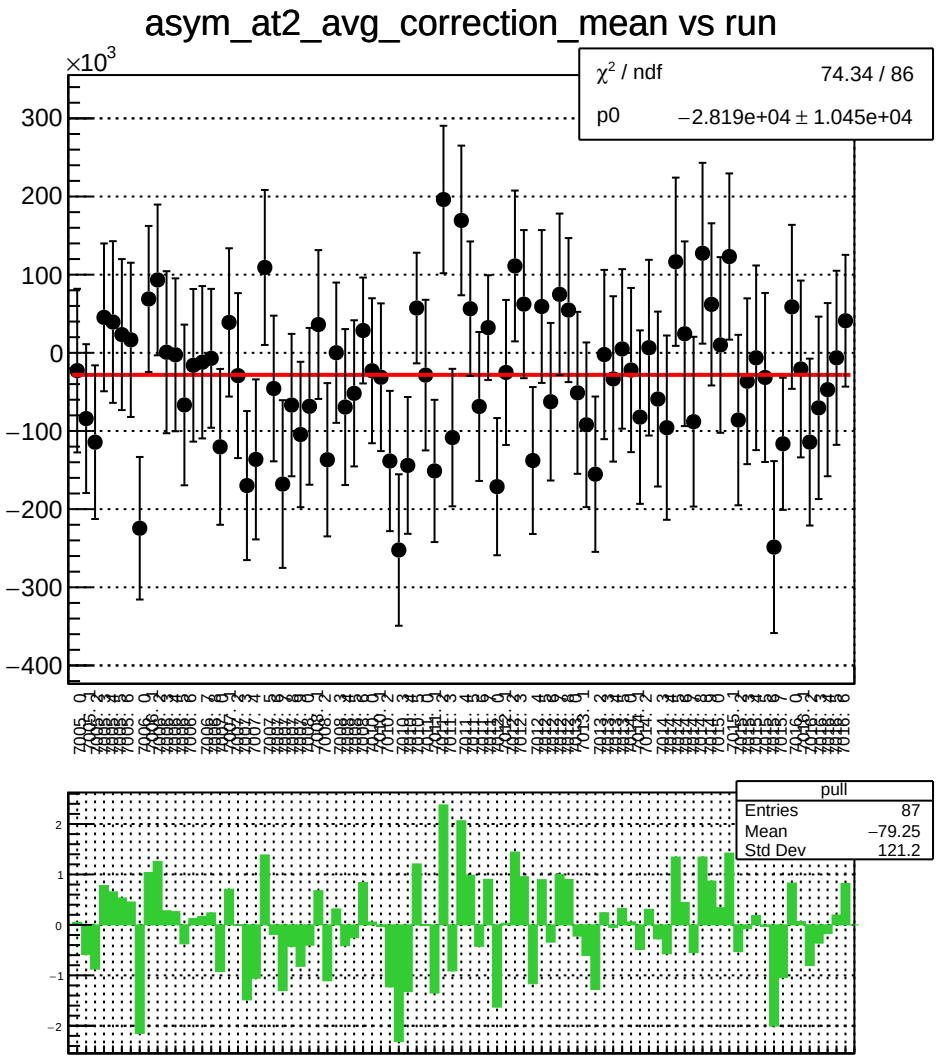

pull1D
Entries 87
Mean 0.004127
Std Dev 0.8808

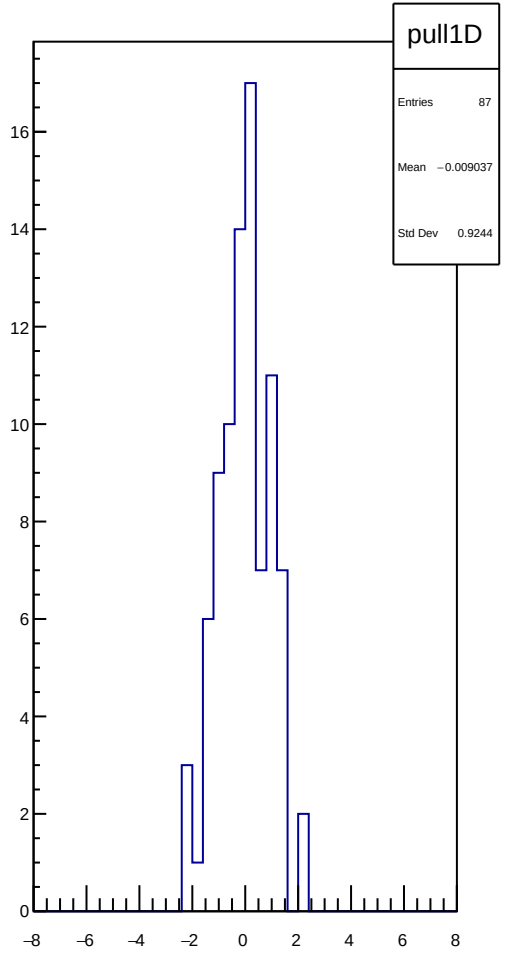

asym_at1_dd_rms vs run
χ^2 / ndf 8243 / 86
p0 1890 ± 1.473
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

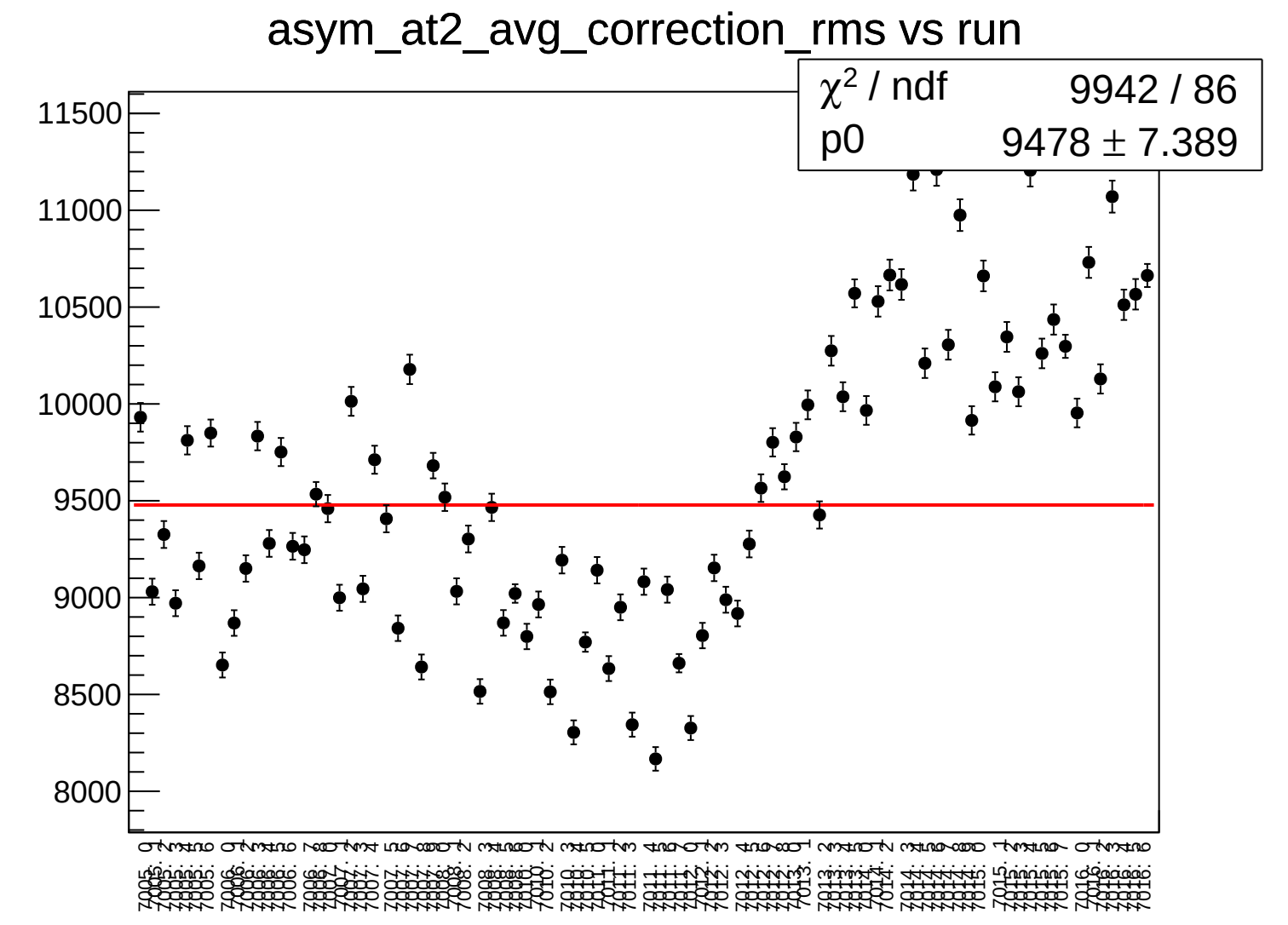

dit_asym_at2_avg_mean vs run
χ² / ndf 78.34 / 86
p0 −3505 ± 2114
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 1335
Std Dev 1276
2
1
0
−1
−2

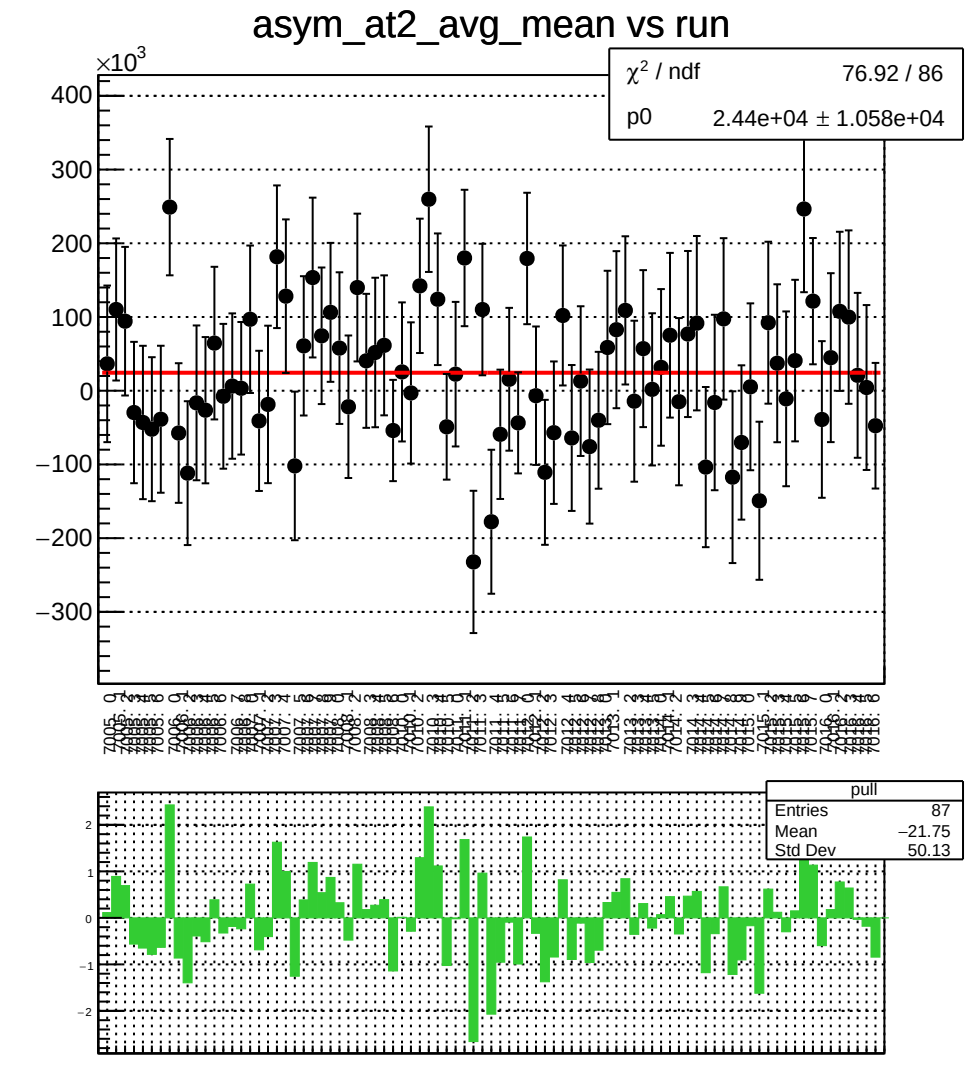

pull1D
Entries 87
Mean 0.001972
Std Dev 0.9489
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

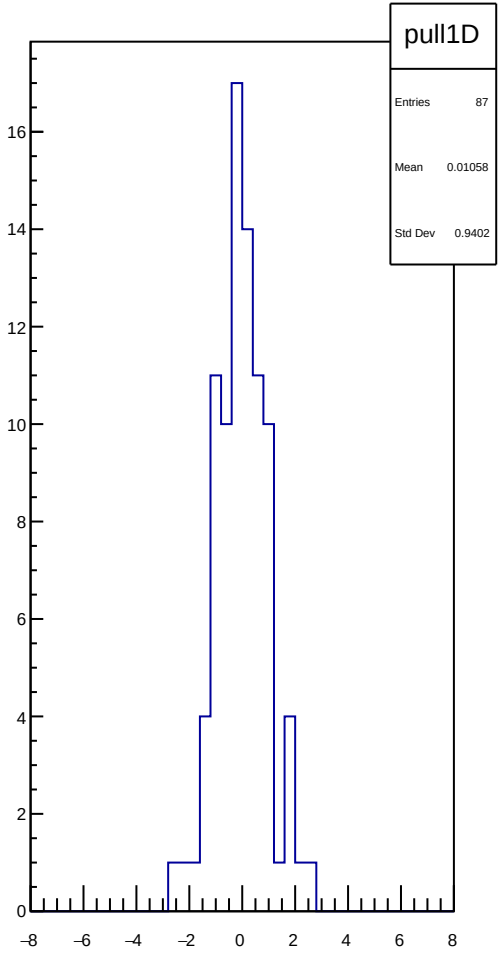

dit_asym_at2_avg_rms vs run
χ² / ndf 303.8 / 86
p0 1923 ± 1.495
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

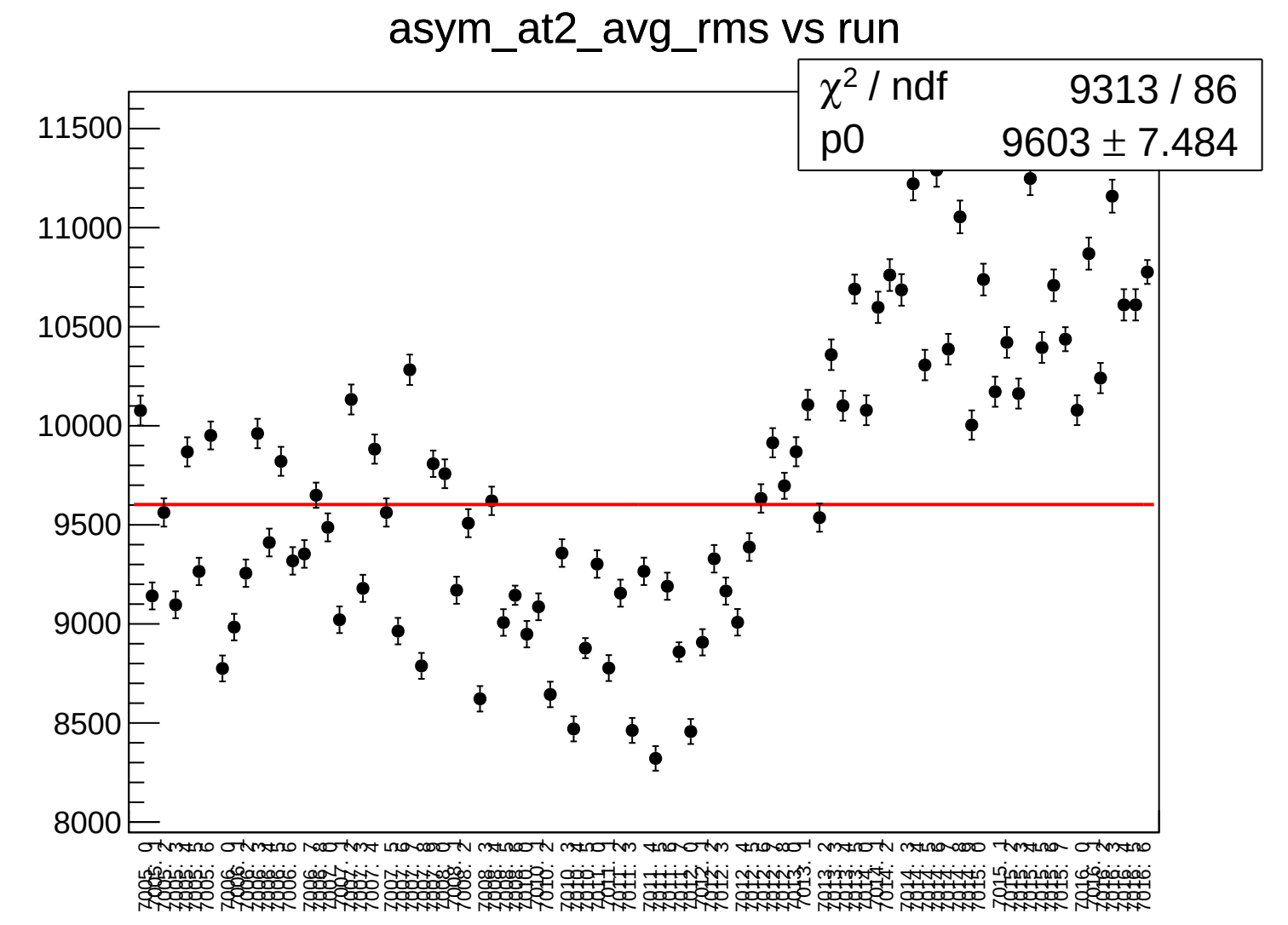

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 74.34 / 86
p0 −2.819e+04 ± 1.045e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 87
Mean −79.25
Std Dev 121.2
2
1
0
−1
−2

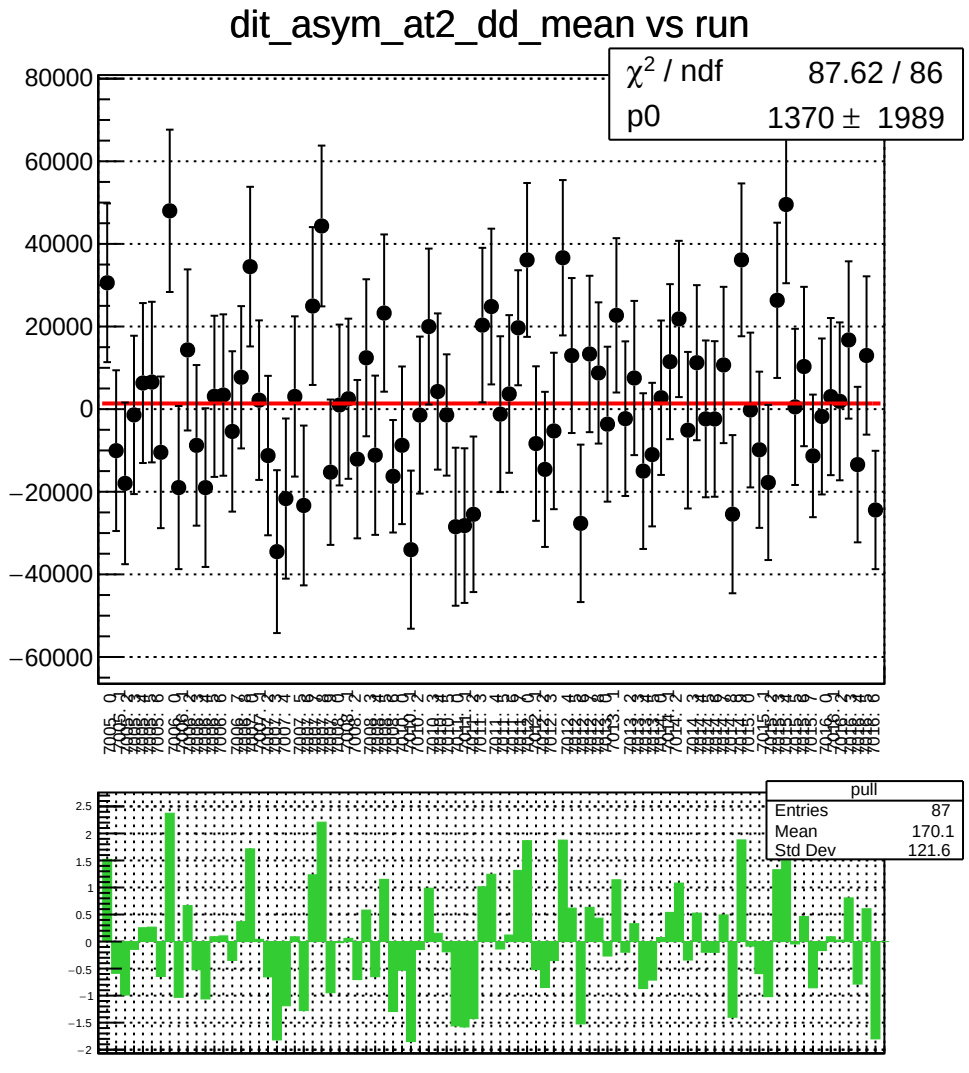

pull1D
Entries 87
Mean −0.009037
Std Dev 0.9244
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

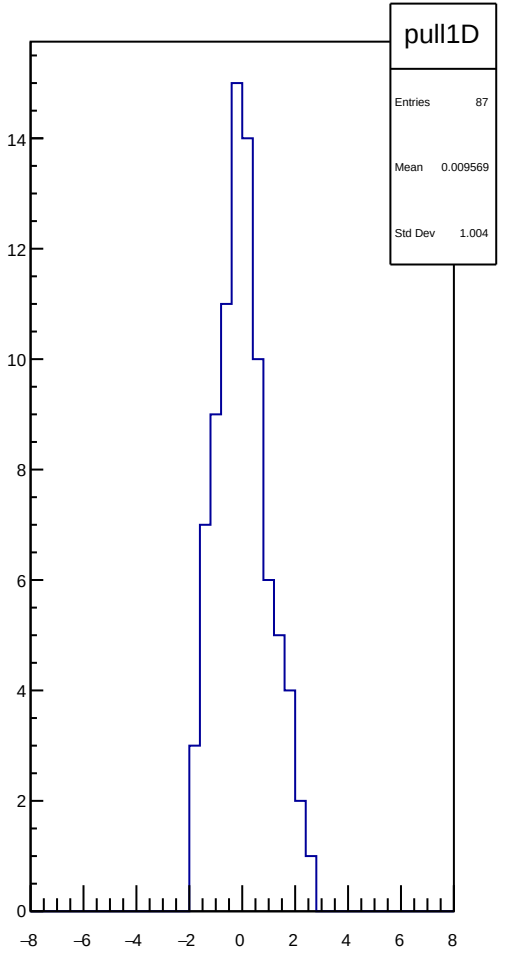

asym_at2_avg_correction_rms vs run
χ² / ndf 9942 / 86
p0 9478 ± 7.389
11500
11000
10500
10000
9500
9000
8500
8000

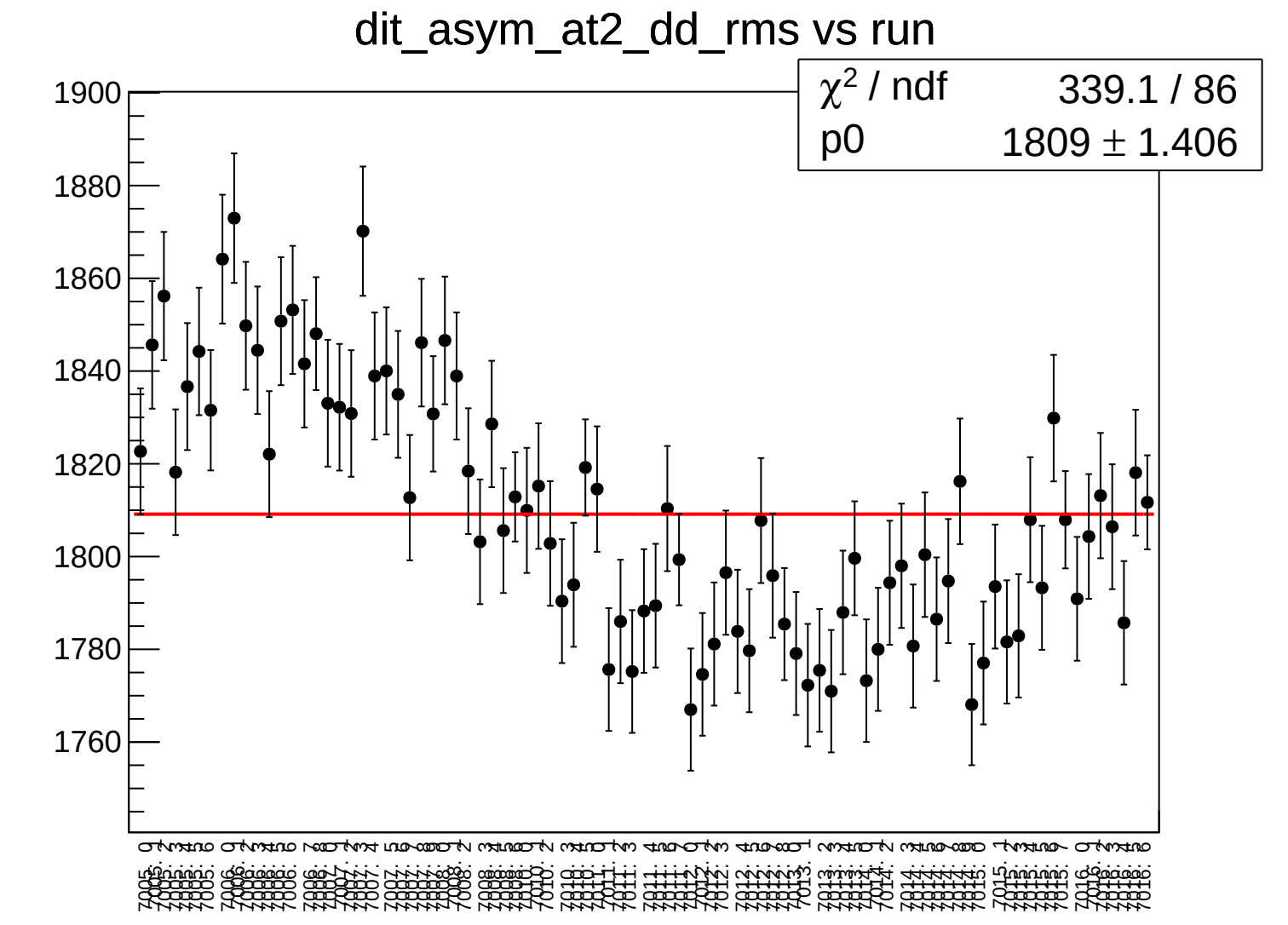

asym_at2_avg_mean vs run
×10^3
χ² / ndf 76.92 / 86
p0 2.44e+04 ± 1.058e+04
pull
Entries 87
Mean −21.75
Std Dev 50.13

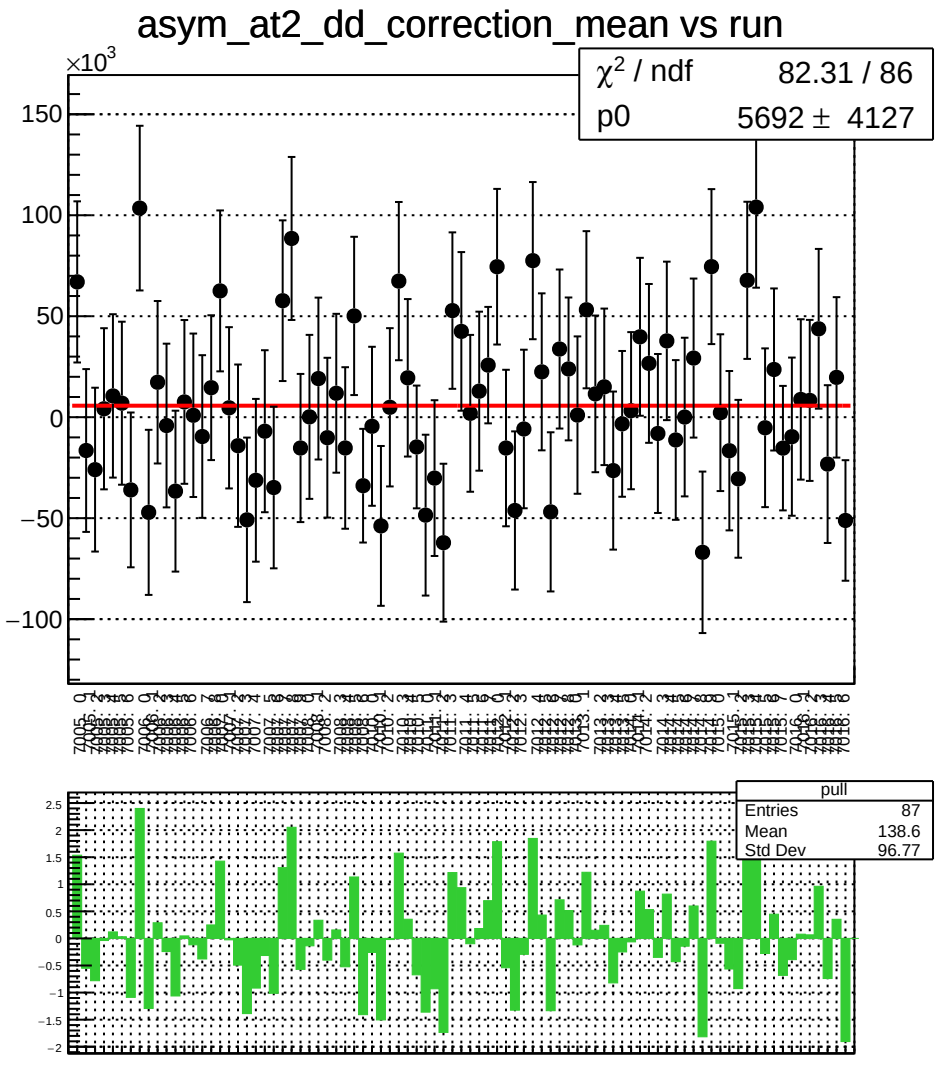

pull1D
Entries 87
Mean 0.01058
Std Dev 0.9402

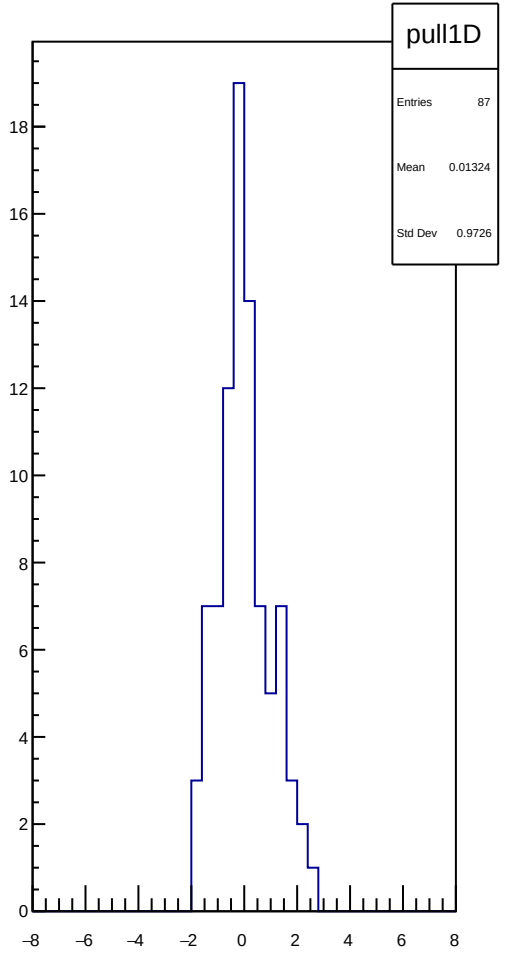

asym_at2_avg_rms vs run
χ^2 / ndf 9313 / 86
p0 9603 ± 7.484
11500
11000
10500
10000
9500
9000
8500
8000

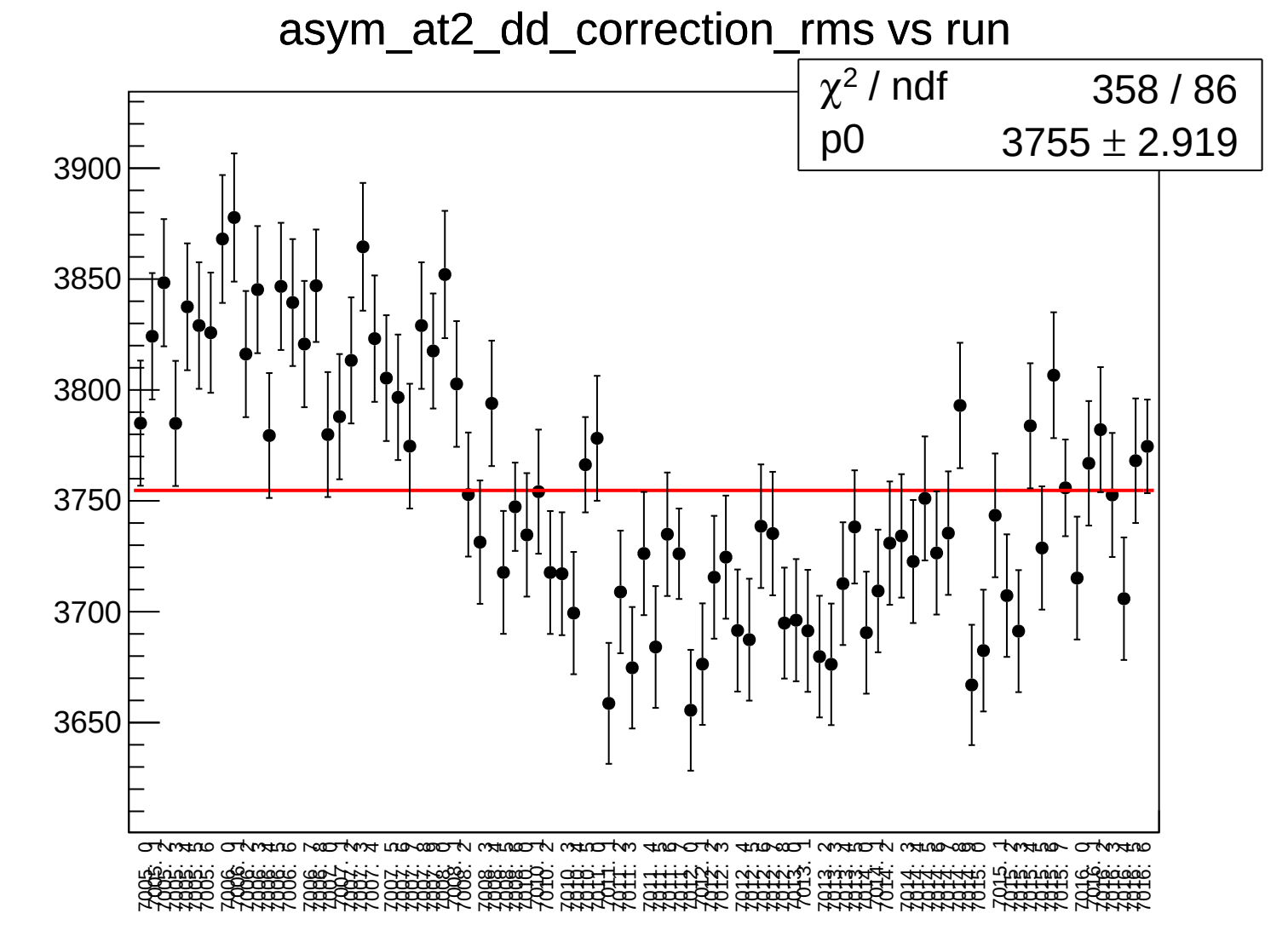

dit_asym_at2_dd_mean vs run
χ² / ndf 87.62 / 86
p0 1370 ± 1989
pull
Entries 87
Mean 170.1
Std Dev 121.6

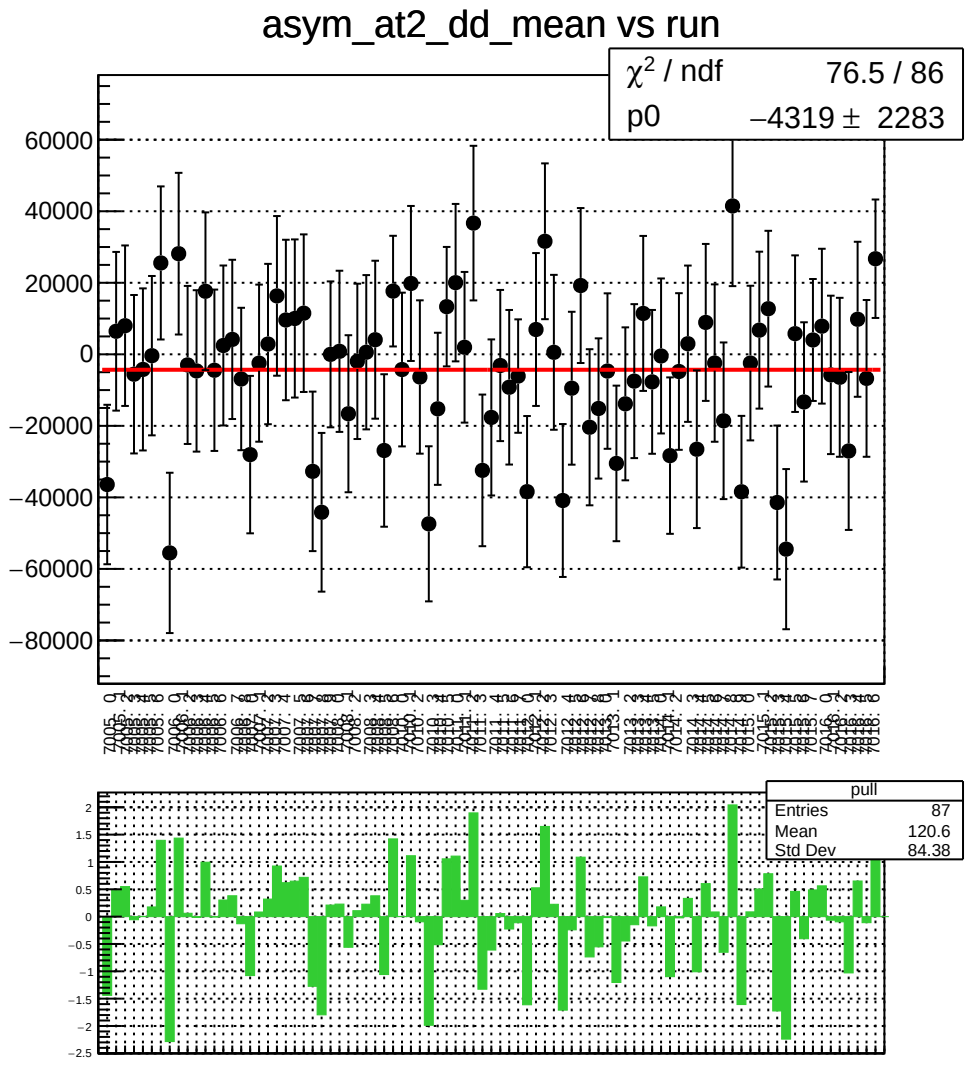

pull1D
Entries 87
Mean 0.009569
Std Dev 1.004

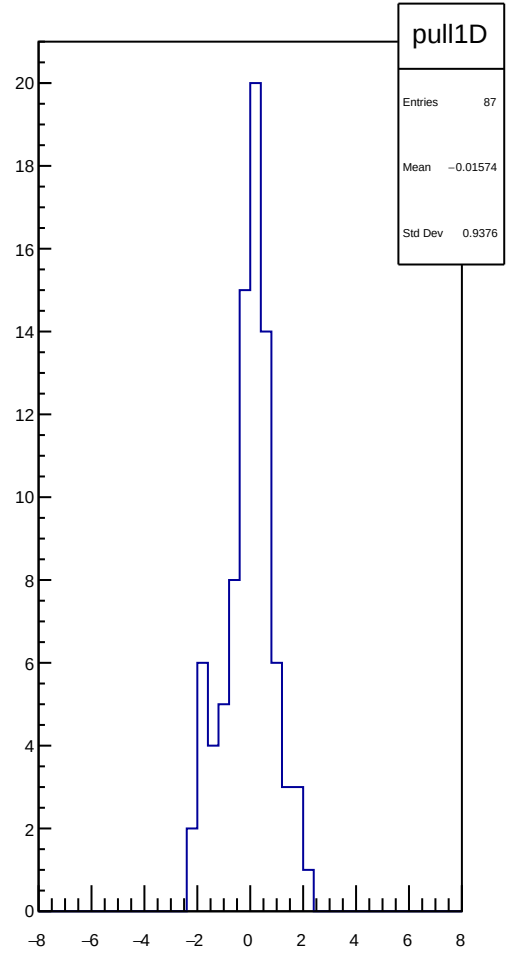

dit_asym_at2_dd_rms vs run
χ² / ndf 339.1 / 86
p0 1809 ± 1.406
1900
1880
1860
1840
1820
1800
1780
1760

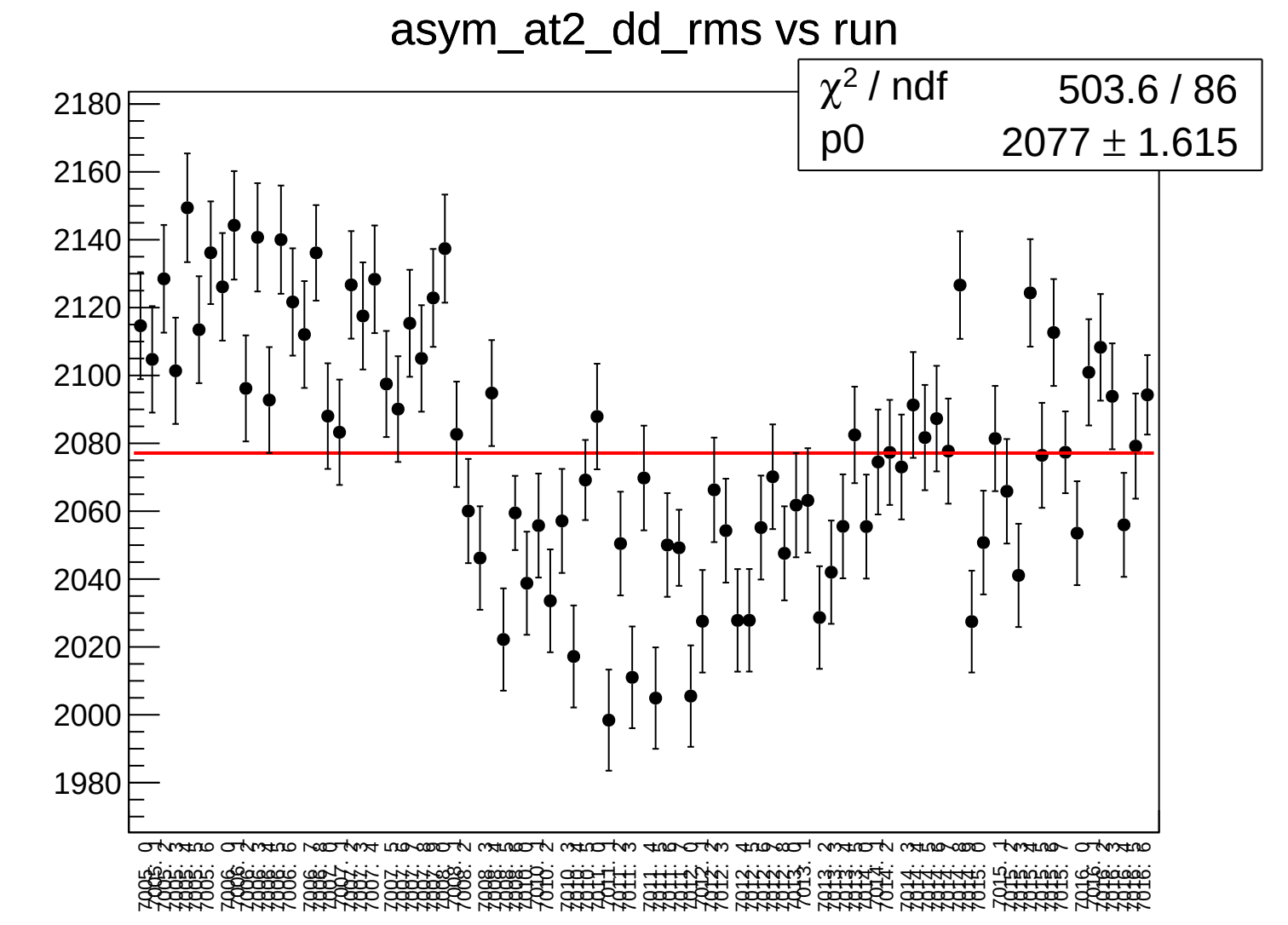

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 82.31 / 86
p0 5692 ± 4127
150
100
50
0
−50
−100
pull
Entries 87
Mean 138.6
Std Dev 96.77
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

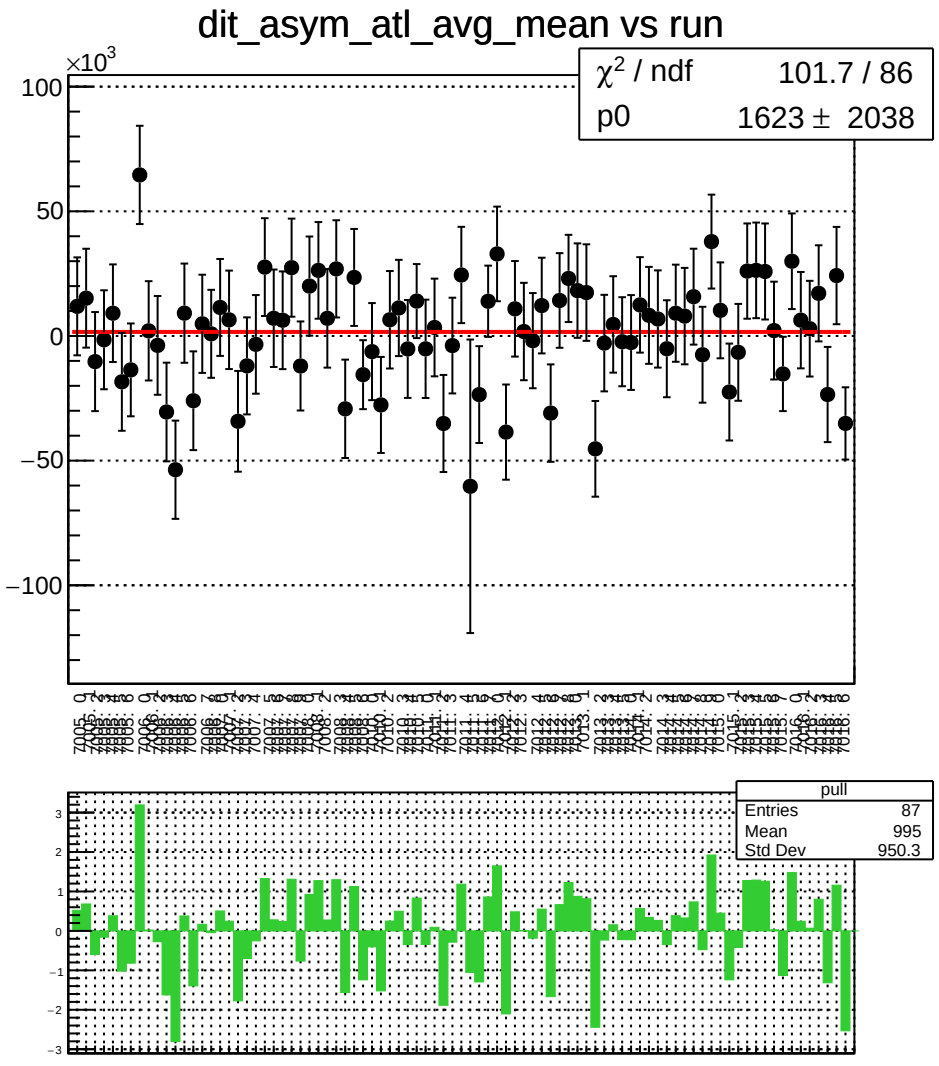

pull1D
Entries 87
Mean 0.01324
Std Dev 0.9726
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

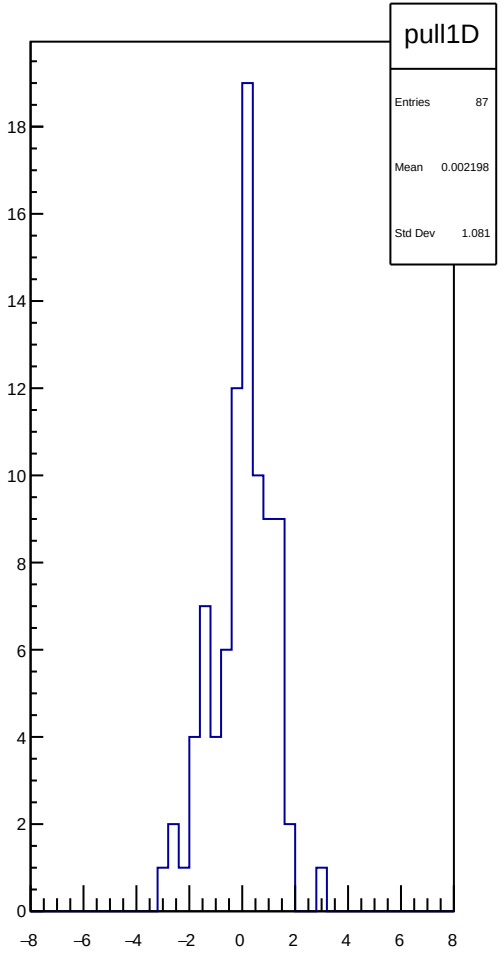

asym_at2_dd_correction_rms vs run
χ² / ndf 358 / 86
p0 3755 ± 2.919
3900
3850
3800
3750
3700
3650

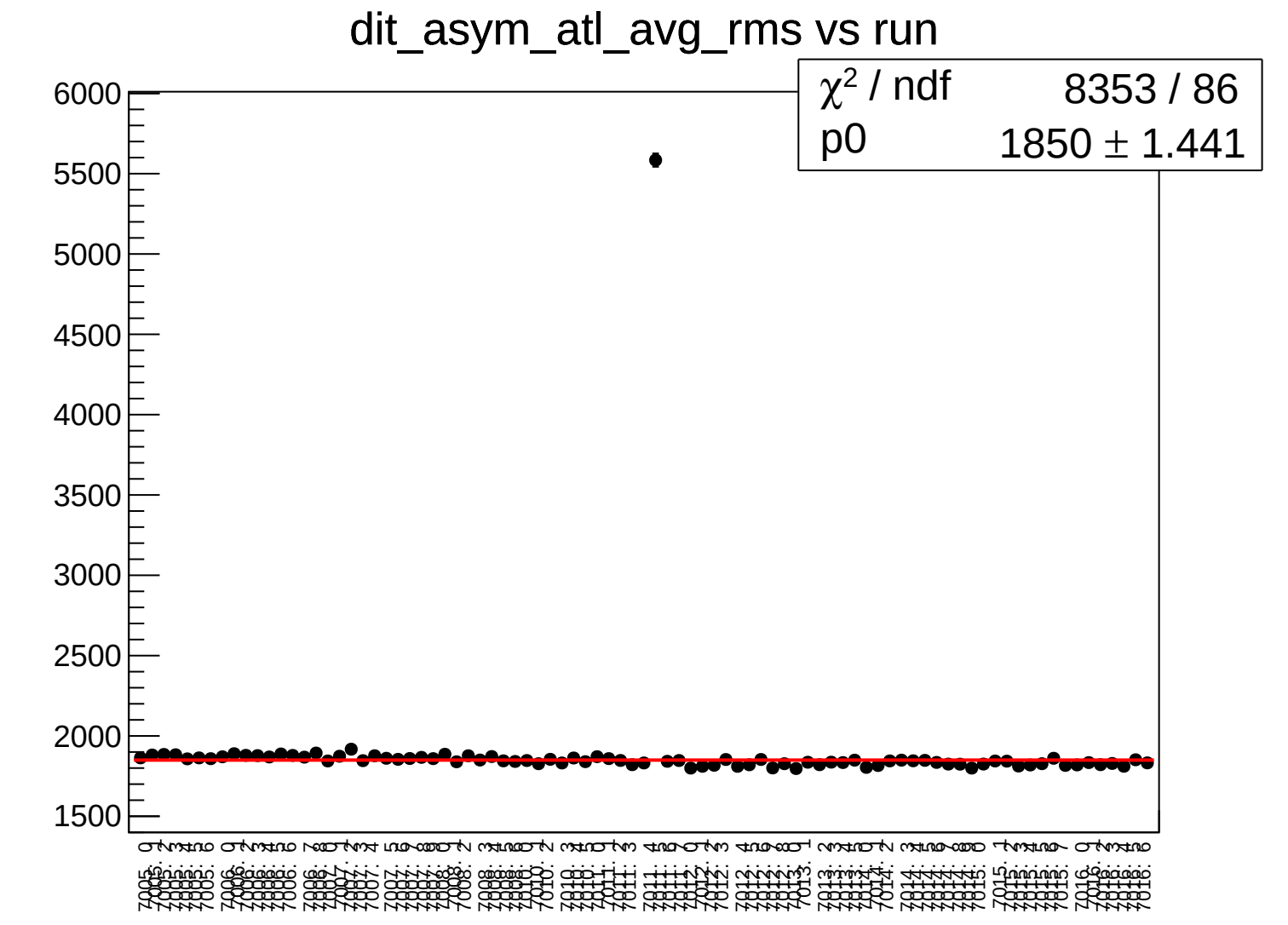

asym_at2_dd_mean vs run
χ² / ndf 76.5 / 86
p0 −4319 ± 2283
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 120.6
Std Dev 84.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

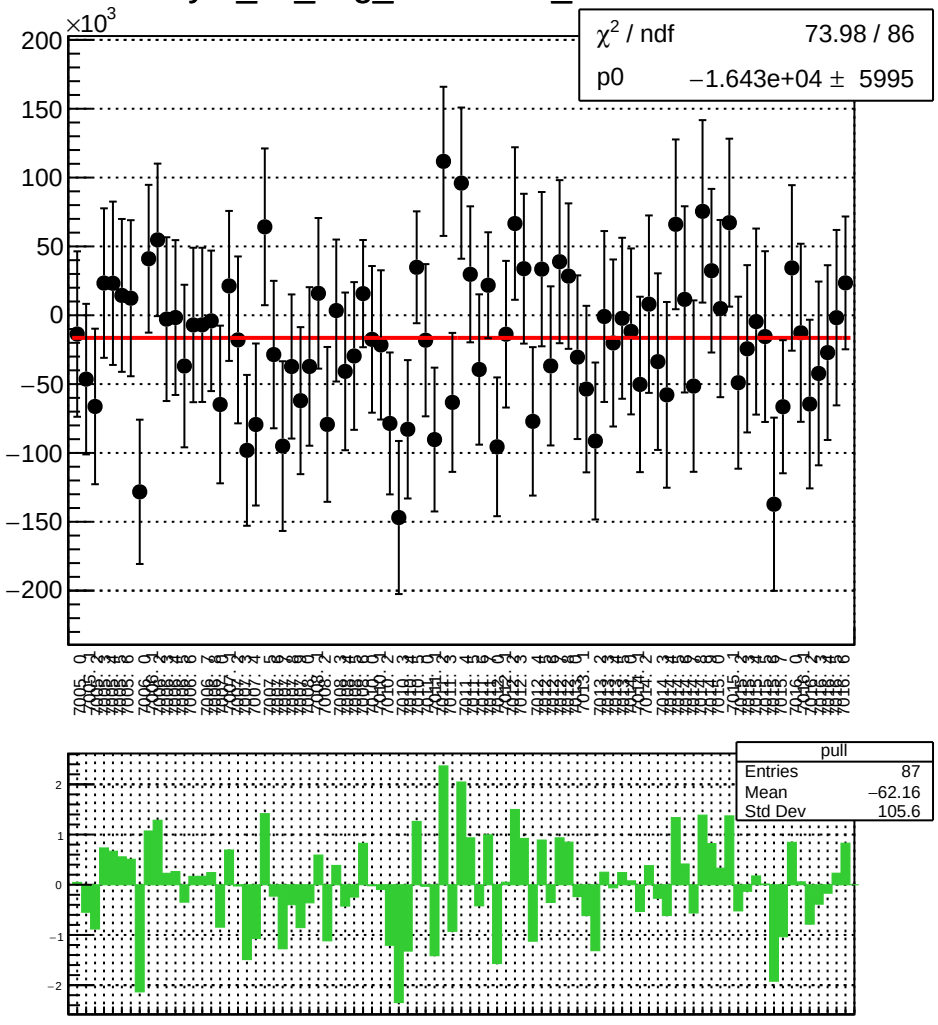

pull1D
Entries 87
Mean −0.01574
Std Dev 0.9376
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

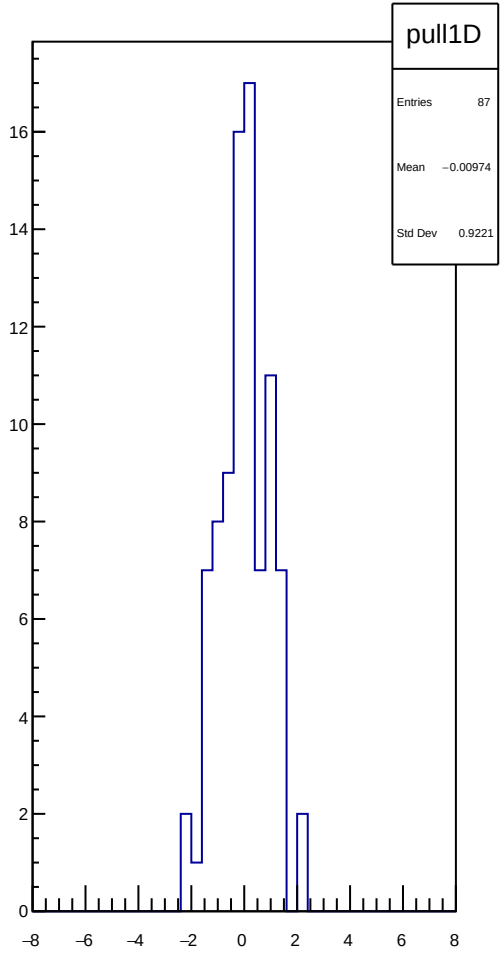

asym_at2_dd_rms vs run
χ² / ndf 503.6 / 86
p0 2077 ± 1.615
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980

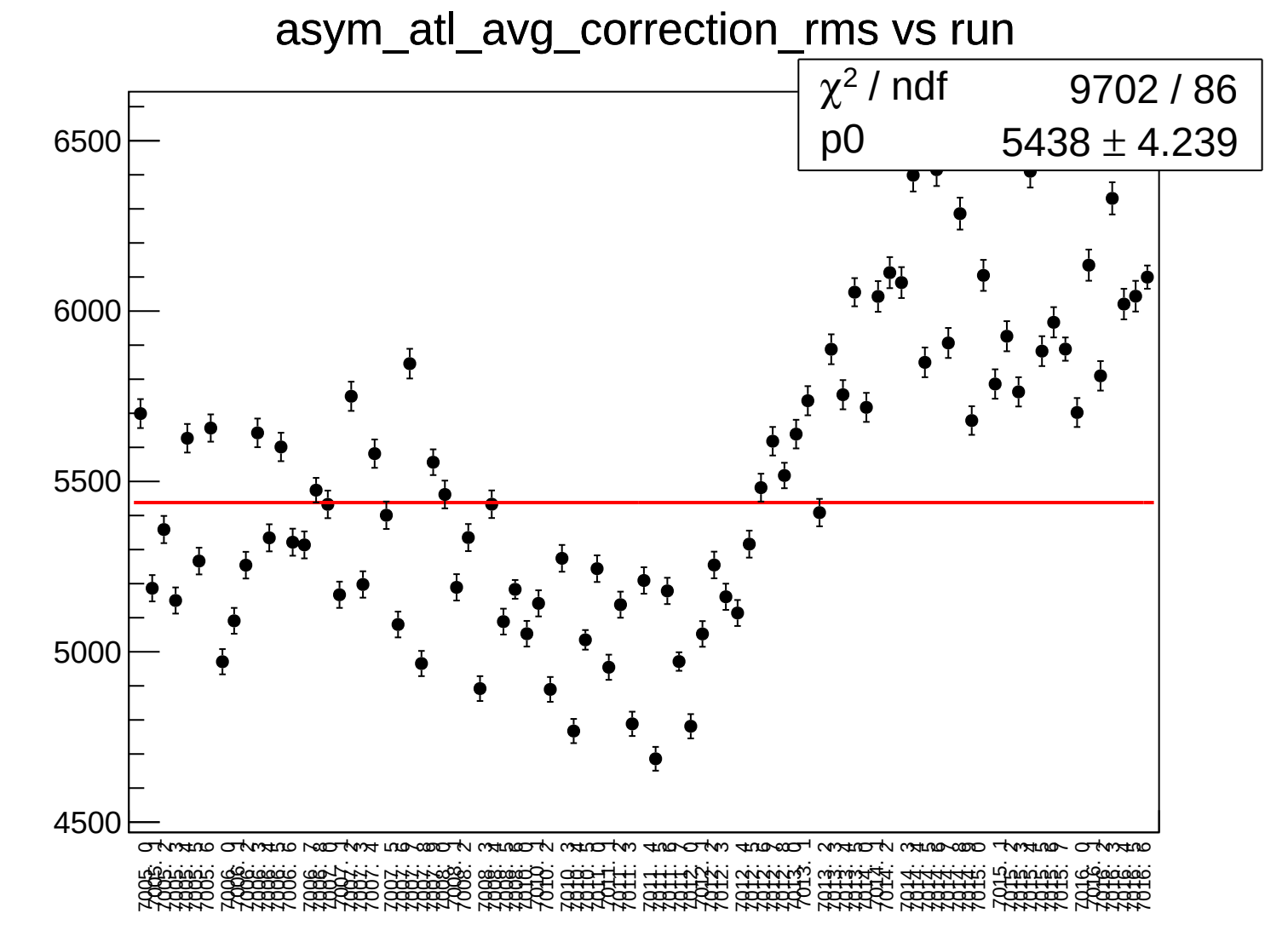

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 101.7 / 86
p0 1623 ± 2038
pull
Entries 87
Mean 995
Std Dev 950.3

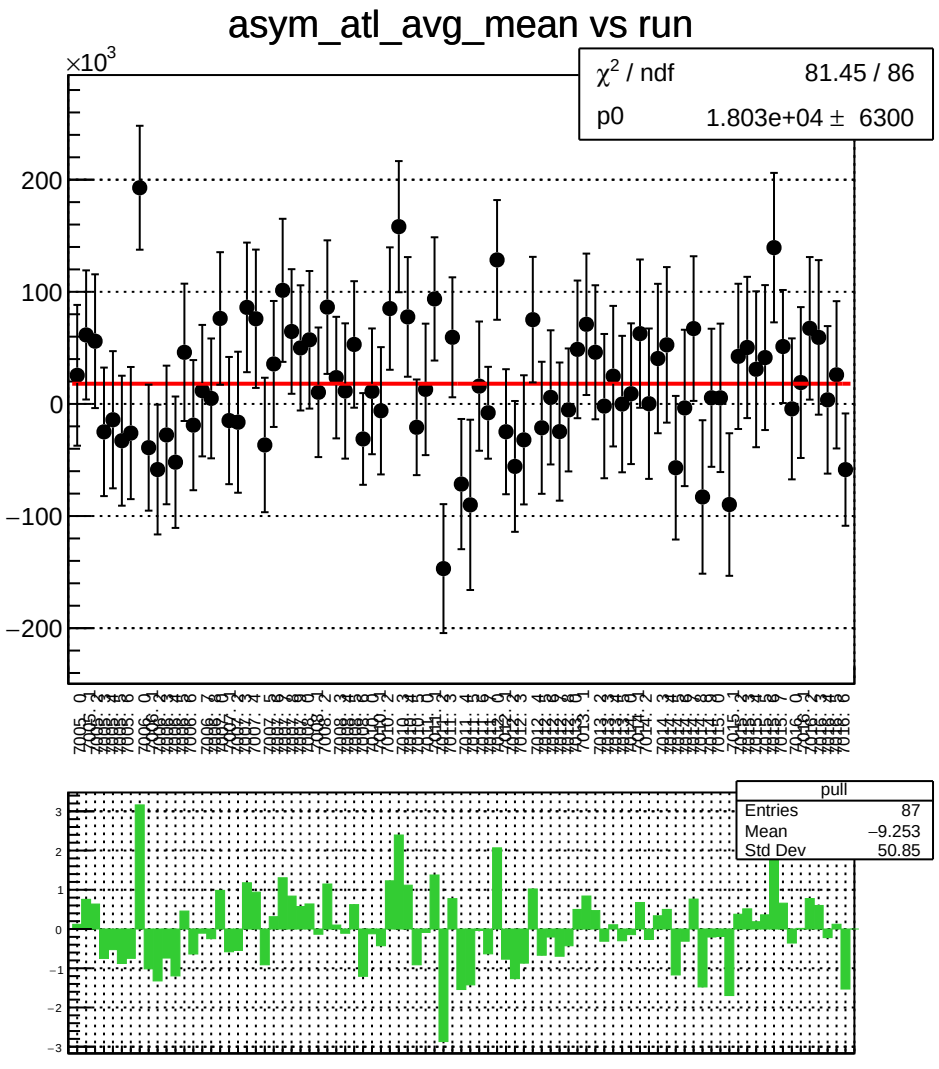

pull1D
Entries 87
Mean 0.002198
Std Dev 1.081

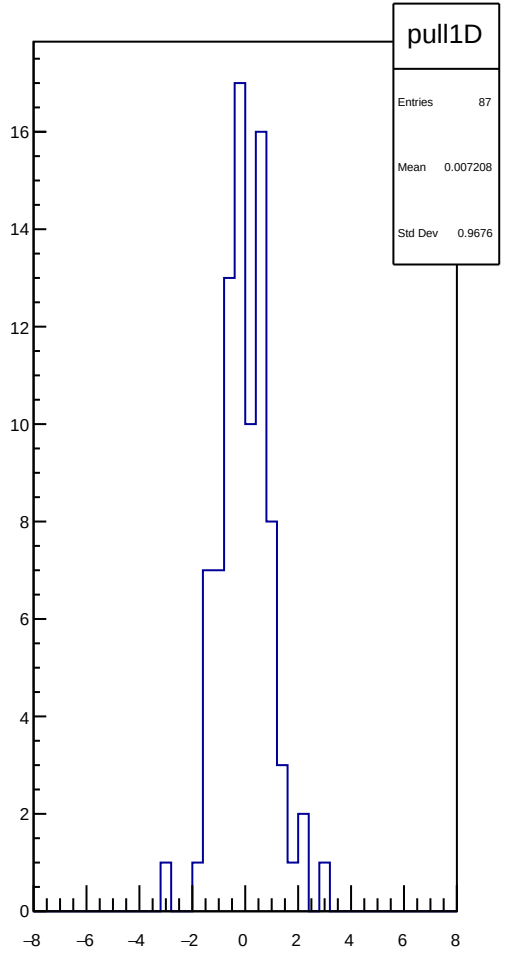

dit_asym_atl_avg_rms vs run
χ² / ndf 8353 / 86
p0 1850 ± 1.441
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

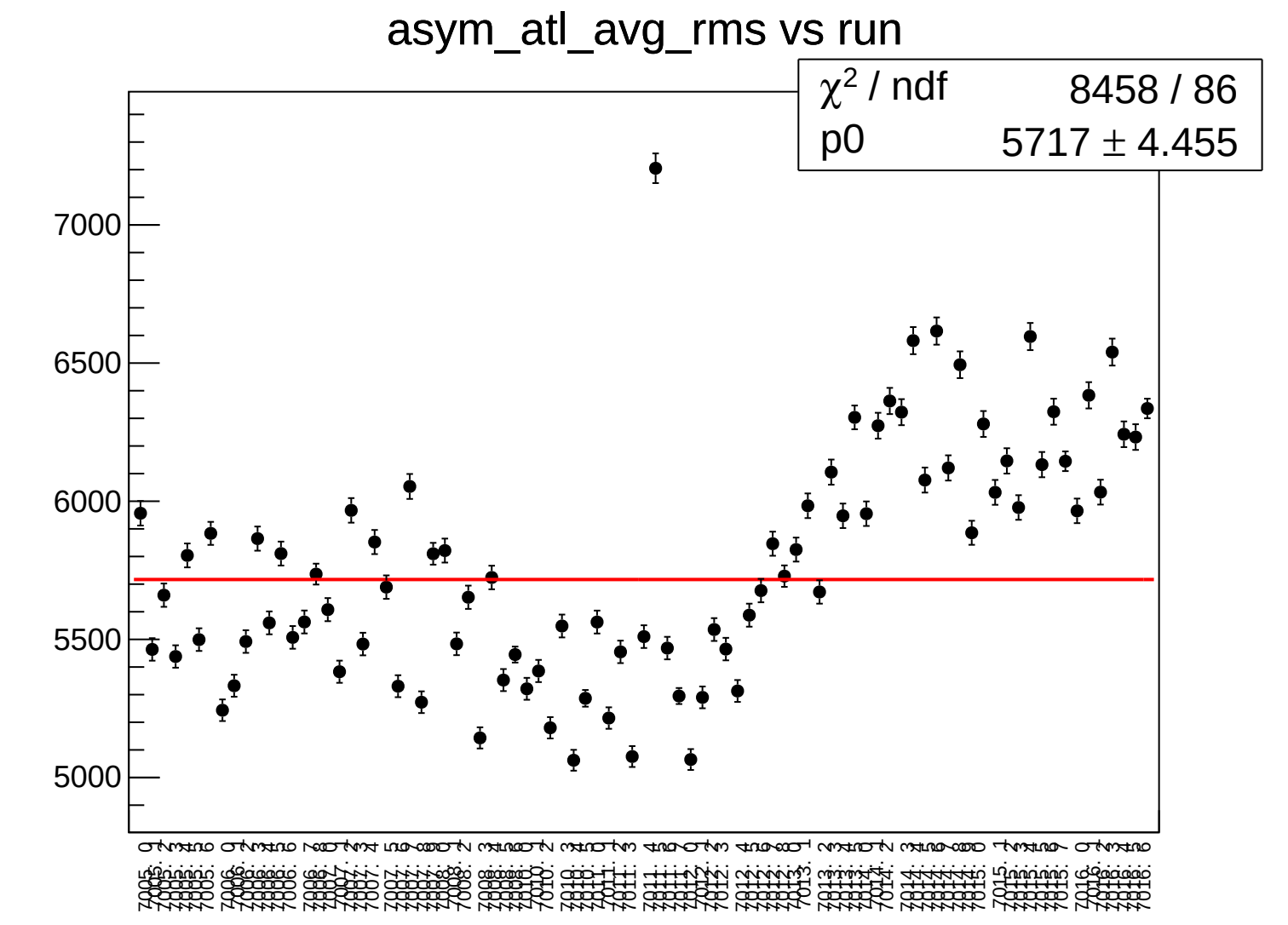

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 73.98 / 86
p0 −1.643e+04 ± 5995
pull
Entries 87
Mean −62.16
Std Dev 105.6

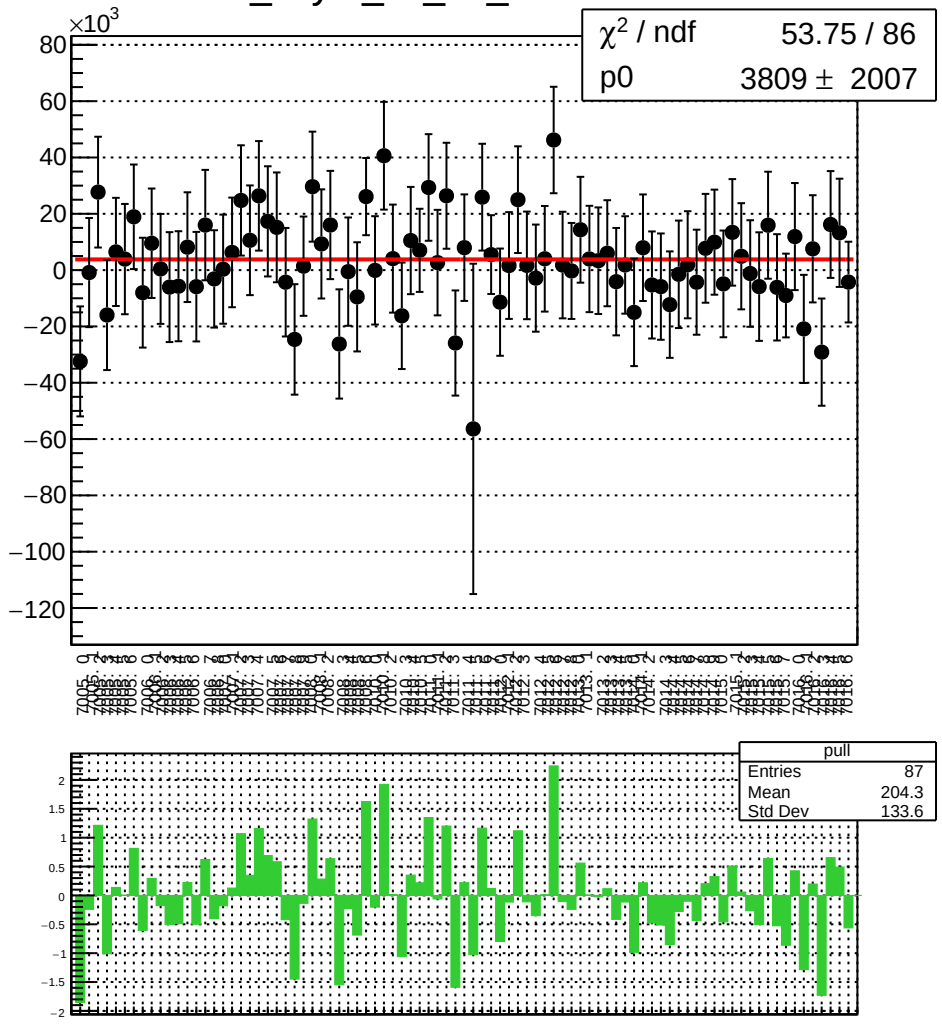

pull1D
Entries 87
Mean −0.00974
Std Dev 0.9221

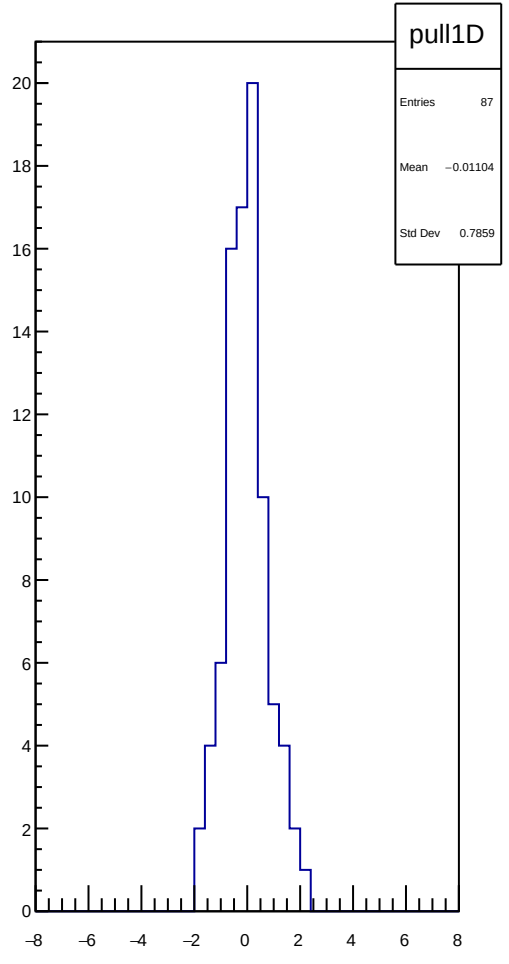

asym_atl_avg_correction_rms vs run
χ² / ndf 9702 / 86
p0 5438 ± 4.239
6500
6000
5500
5000
4500

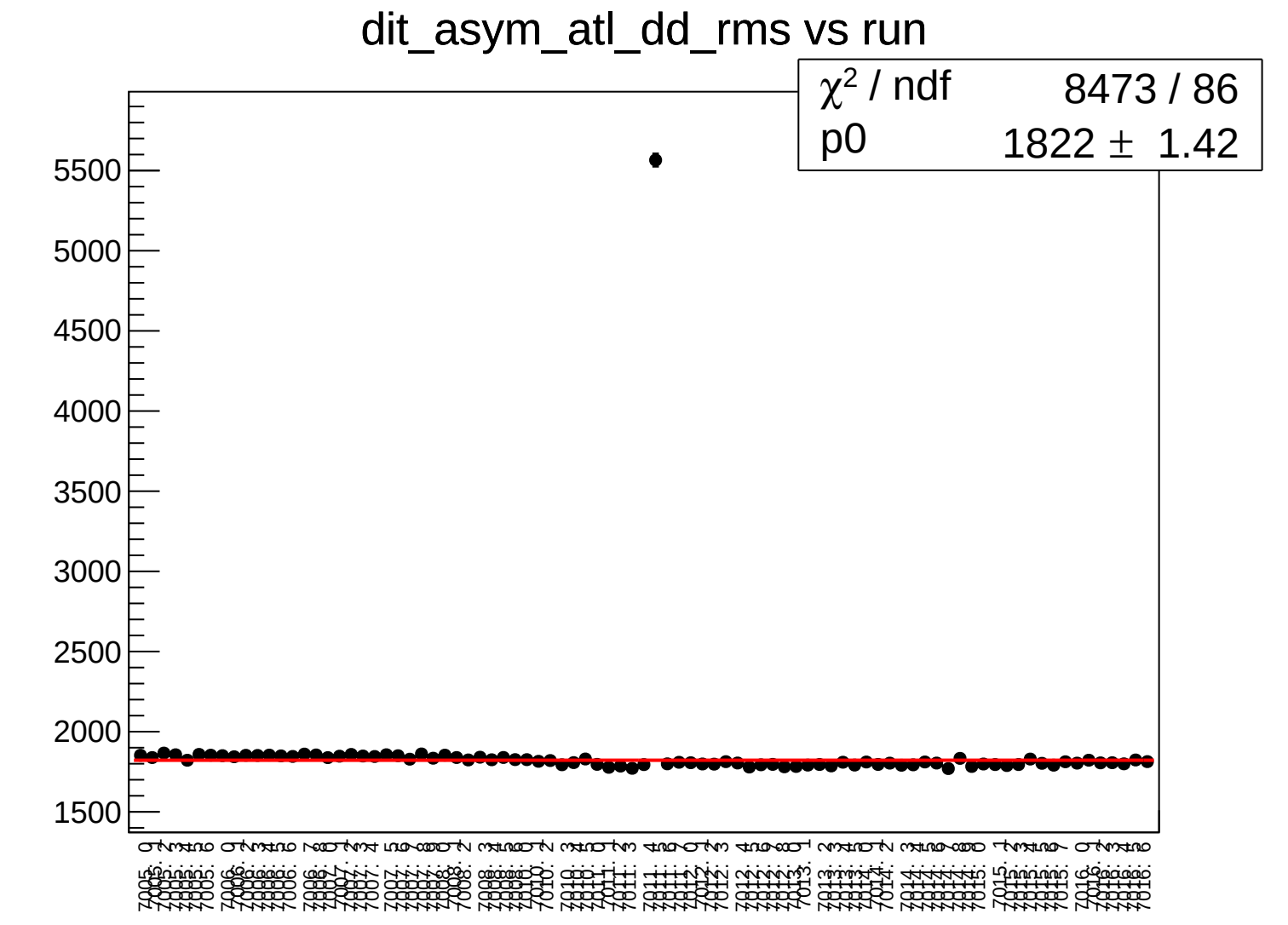

asym_atl_avg_mean vs run
×10^3
χ² / ndf 81.45 / 86
p0 1.803e+04 ± 6300
200
100
0
−100
−200
pull
Entries 87
Mean −9.253
Std Dev 50.85
3
2
1
0
−1
−2
−3

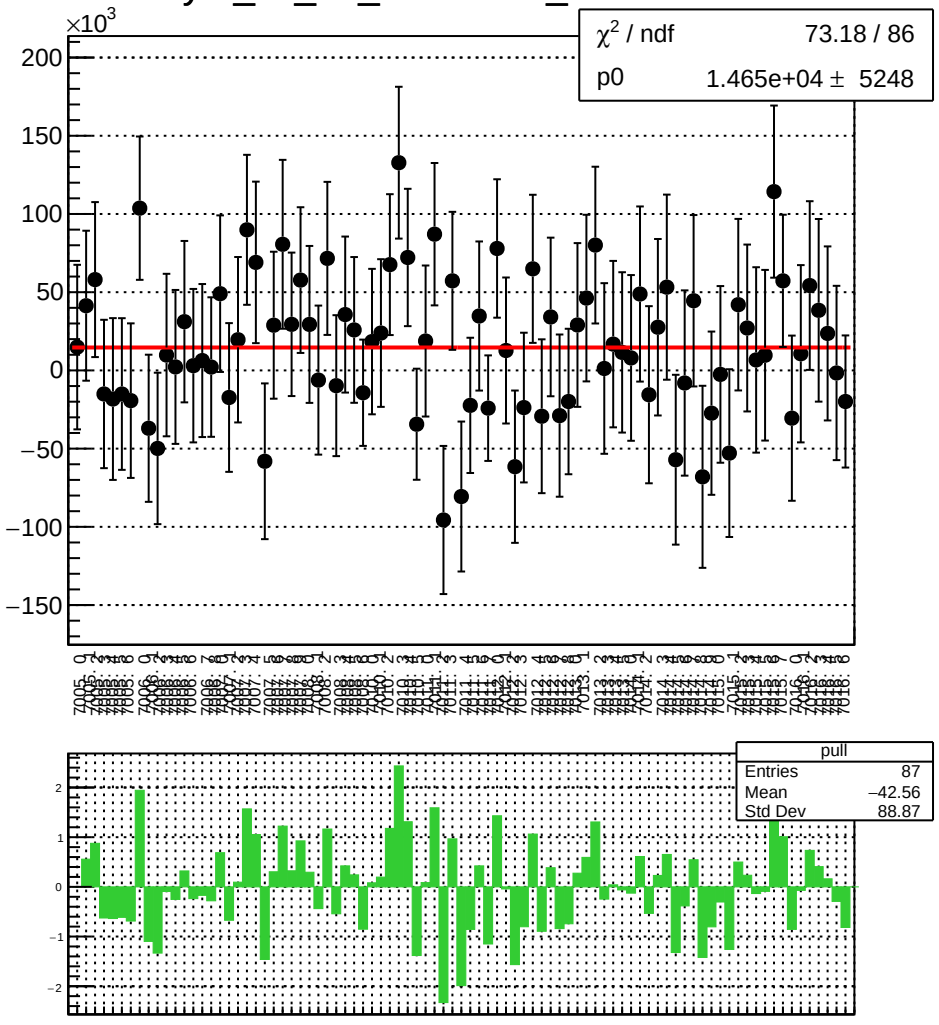

pull1D
Entries 87
Mean 0.007208
Std Dev 0.9676
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

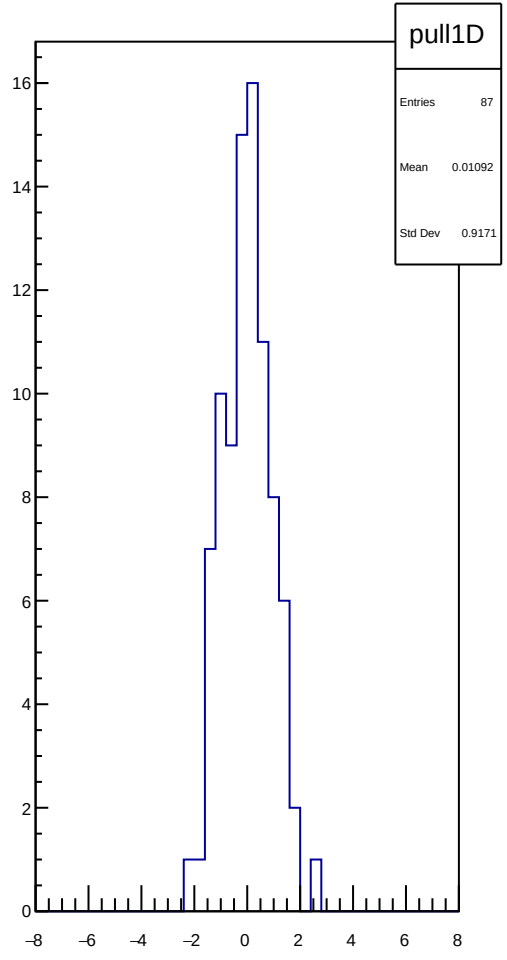

asym_atl_avg_rms vs run
χ² / ndf 8458 / 86
p0 5717 ± 4.455
7000
6500
6000
5500
5000

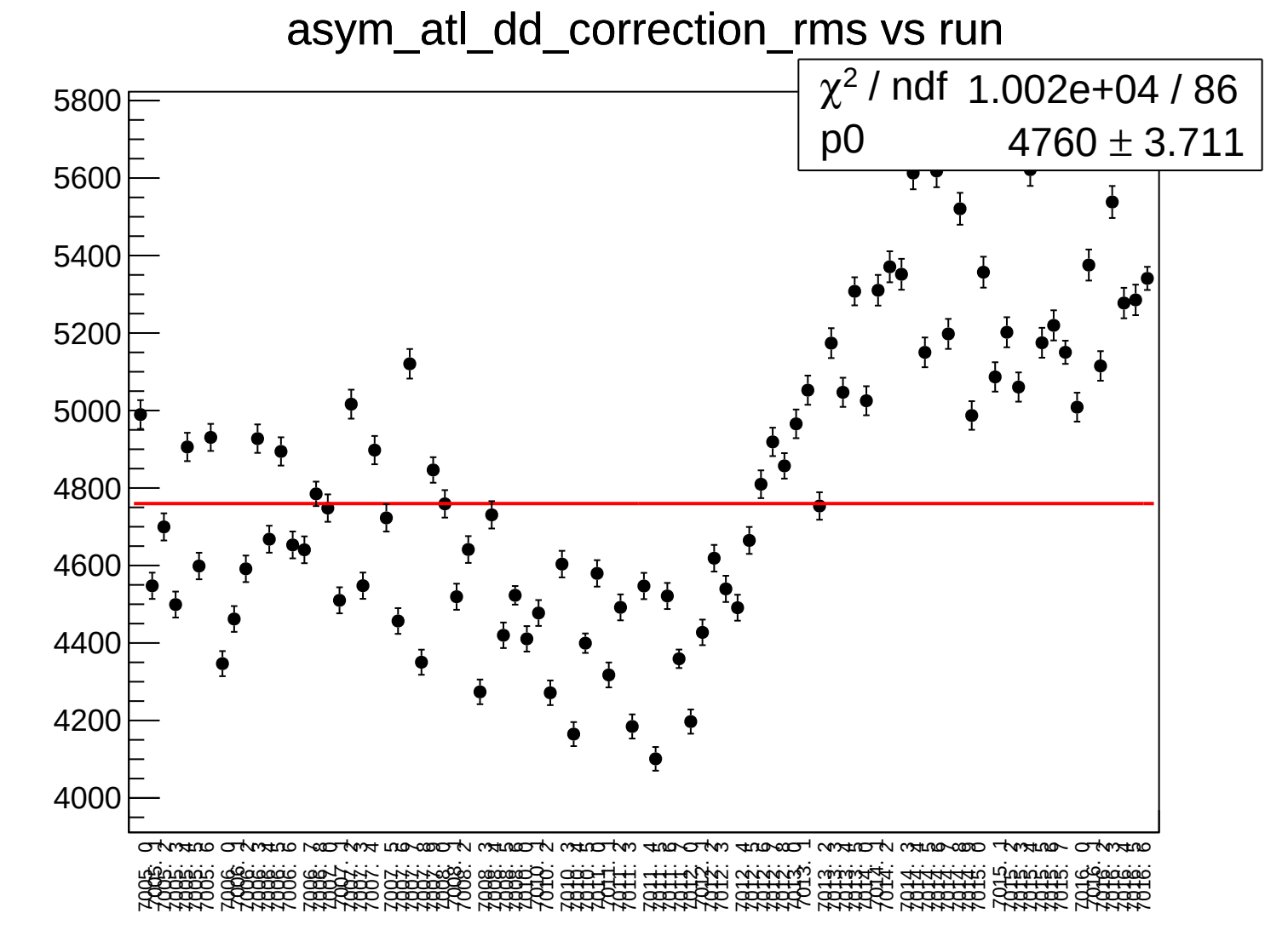

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 53.75 / 86
p0 3809 ± 2007
pull
Entries 87
Mean 204.3
Std Dev 133.6

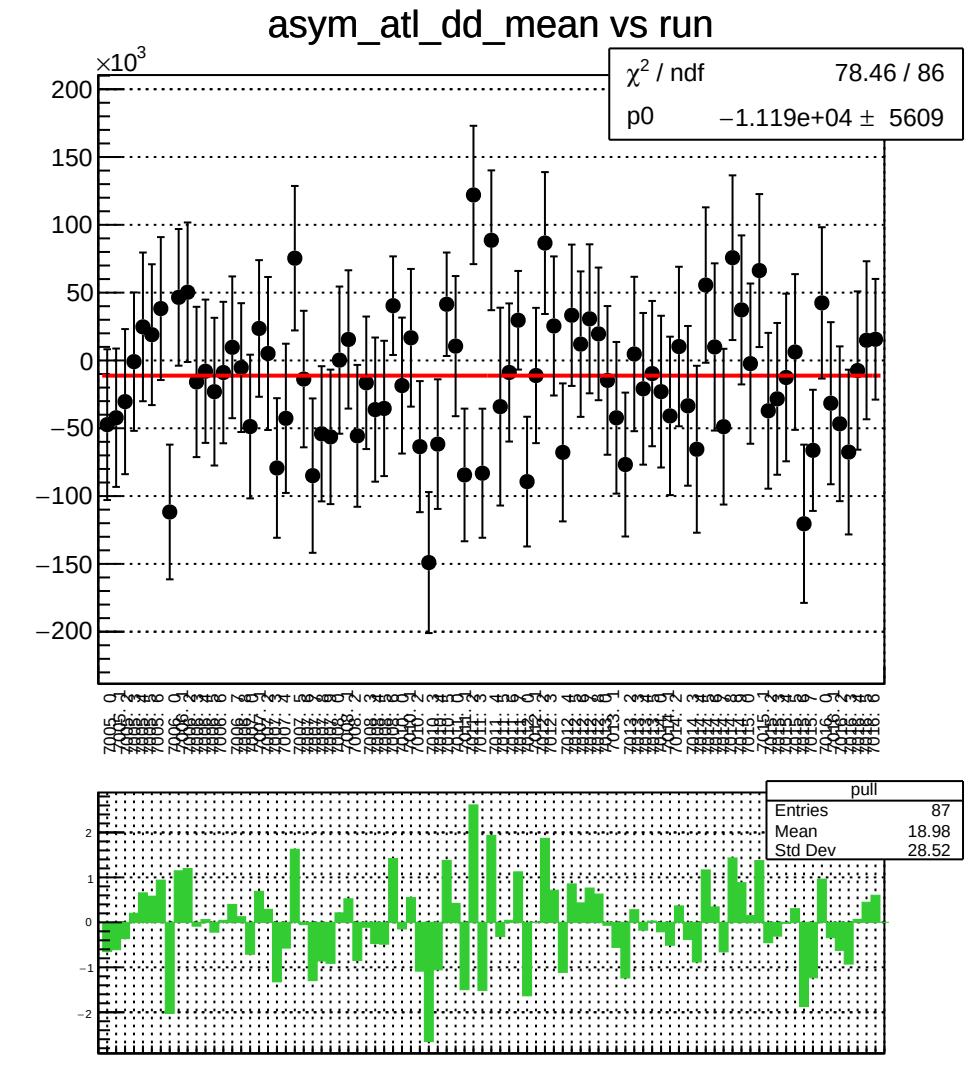

pull1D
Entries 87
Mean −0.01104
Std Dev 0.7859

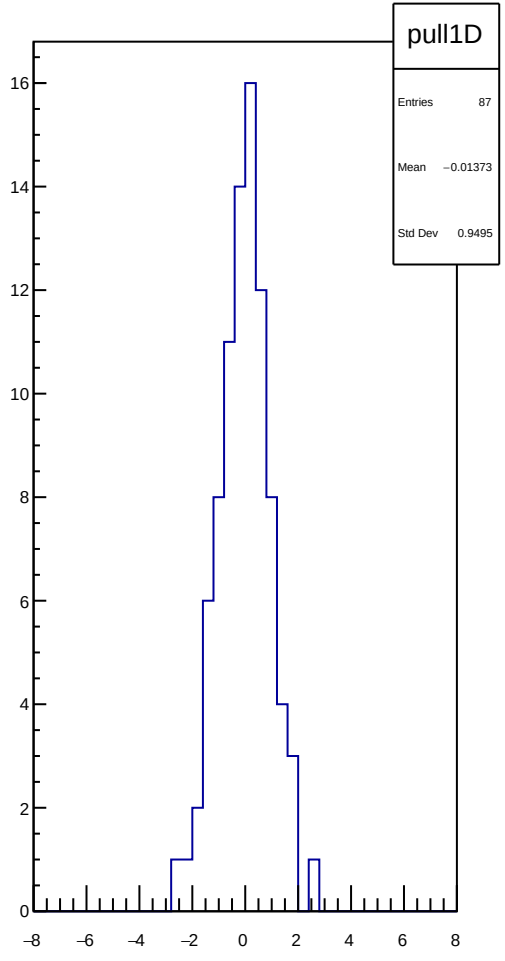

dit_asym_atl_dd_rms vs run
χ² / ndf 8473 / 86
p0 1822 ± 1.42
5500
5000
4500
4000
3500
3000
2500
2000
1500

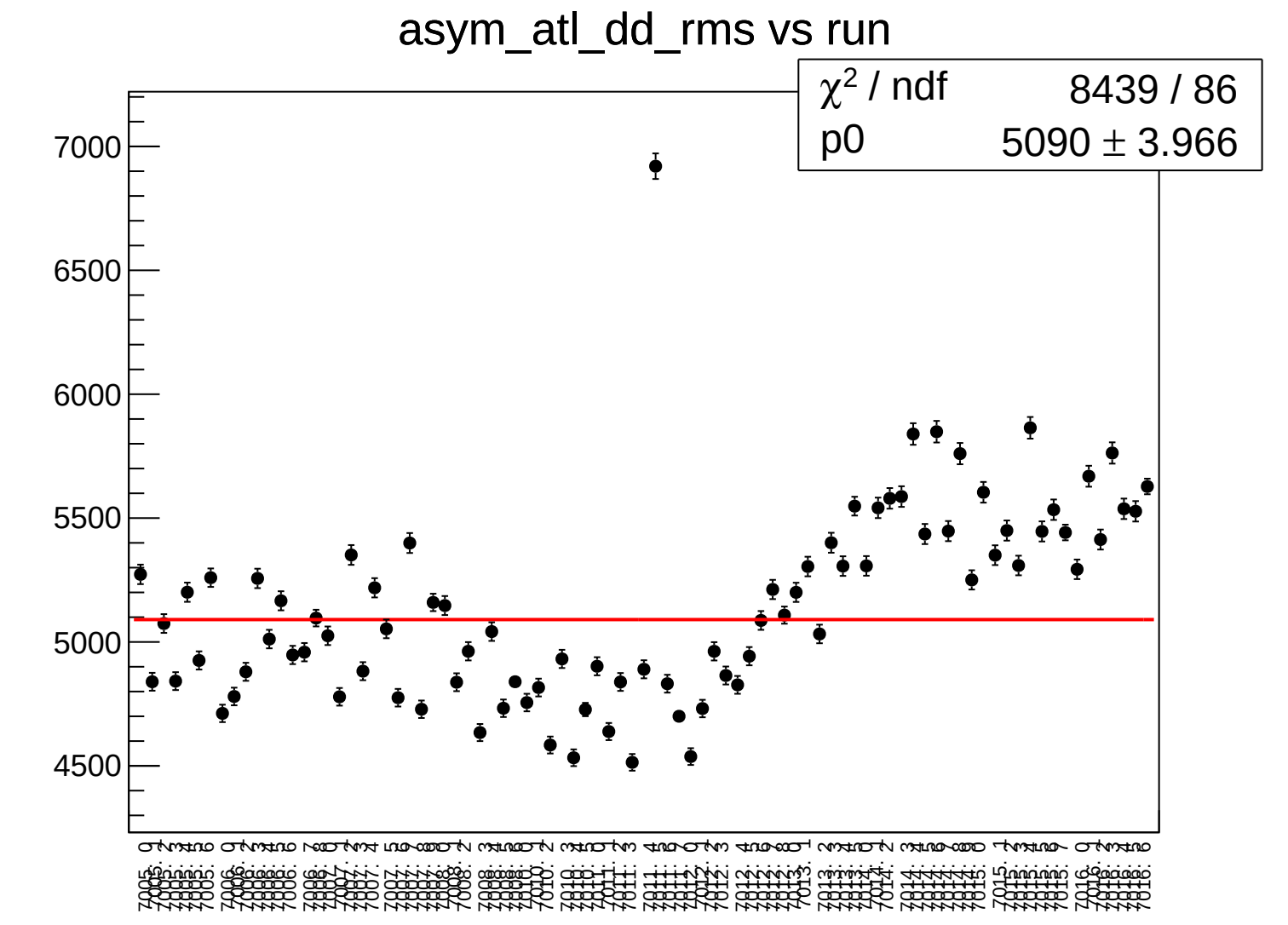

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 73.18 / 86
p0 1.465e+04 ± 5248
200
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −42.56
Std Dev 88.87
2
1
0
−1
−2

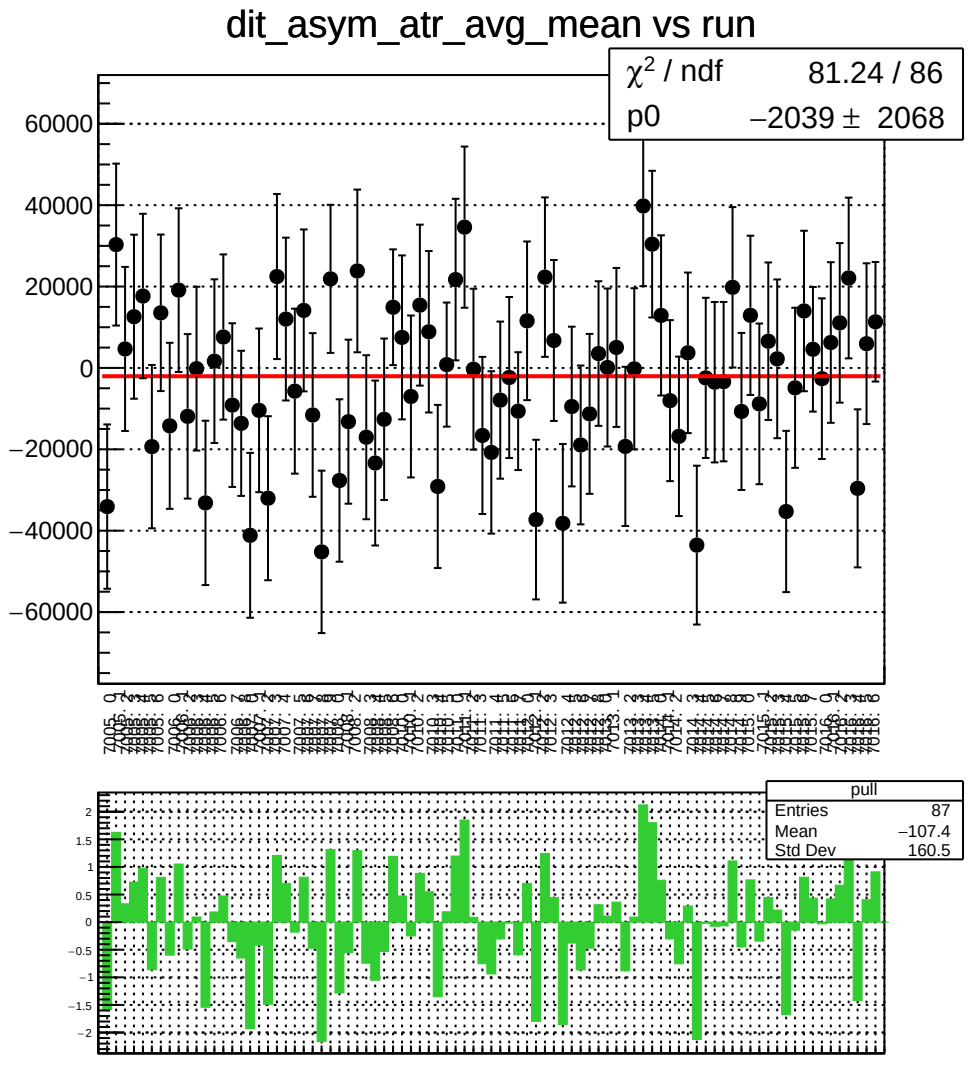

pull1D
Entries 87
Mean 0.01092
Std Dev 0.9171
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

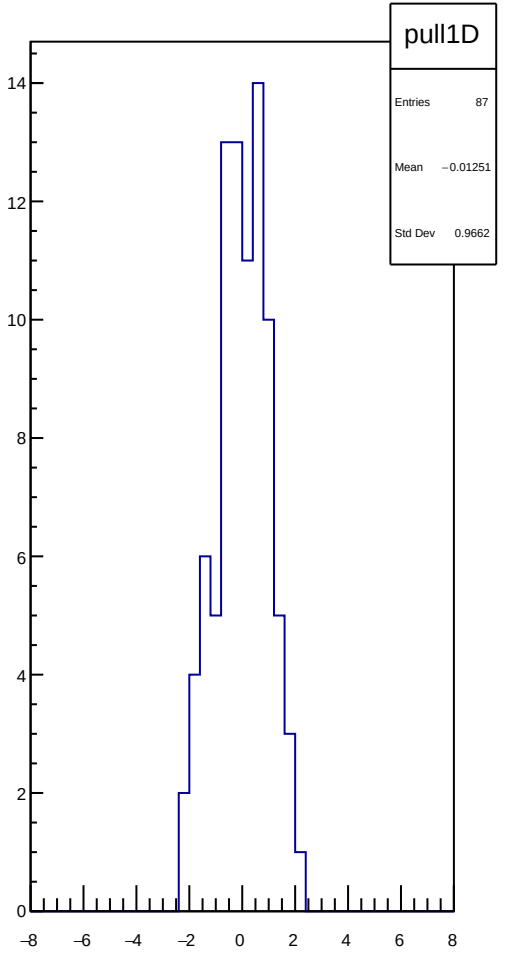

asym_atl_dd_correction_rms vs run
χ² / ndf 1.002e+04 / 86
p0 4760 ± 3.711
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

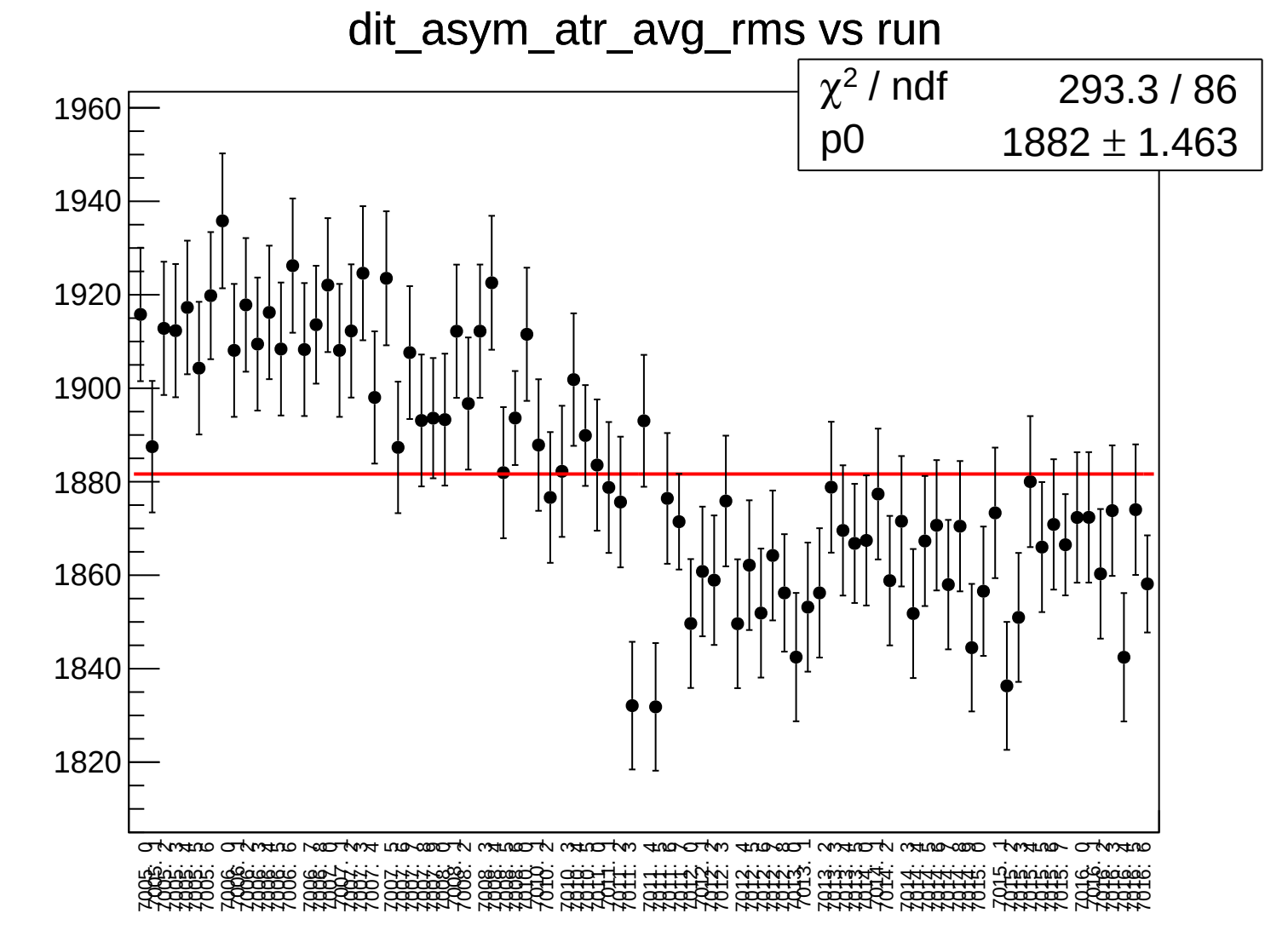

asym_atl_dd_mean vs run
×10^3
χ² / ndf 78.46 / 86
p0 −1.119e+04 ± 5609
pull
Entries 87
Mean 18.98
Std Dev 28.52

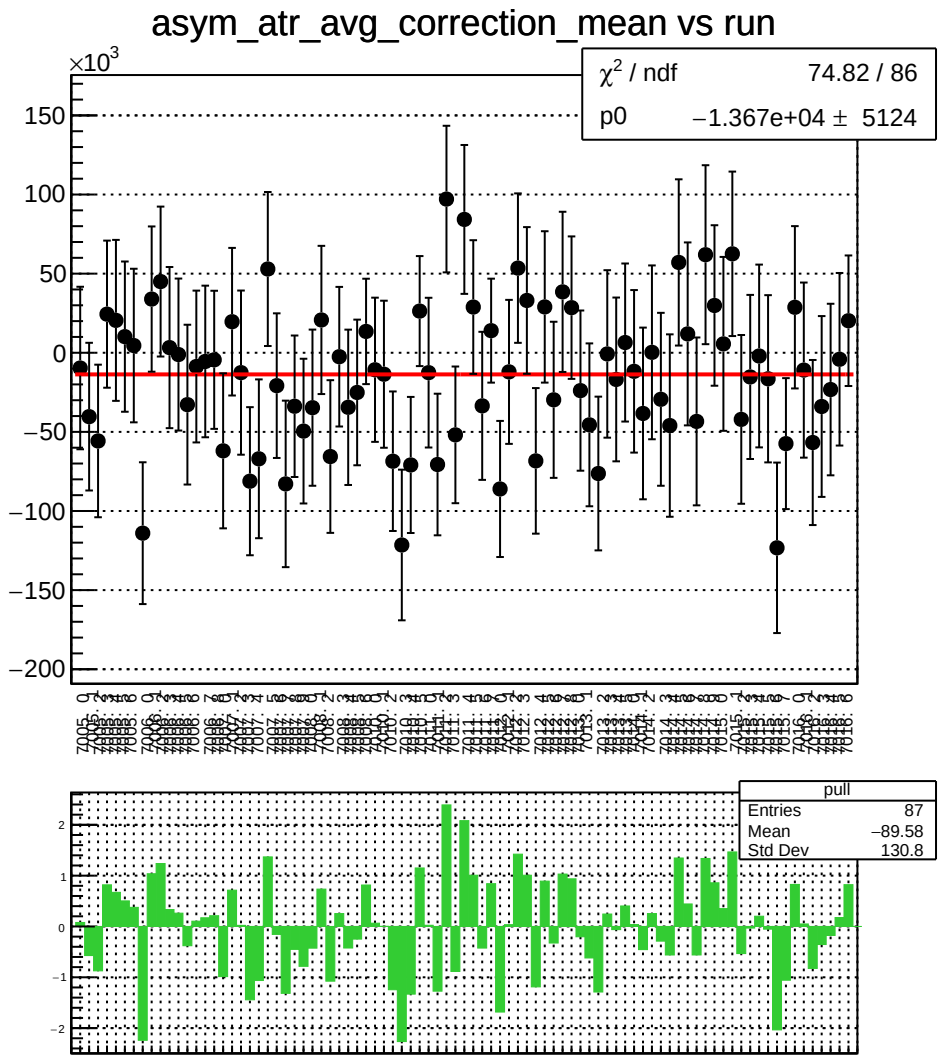

pull1D
Entries 87
Mean −0.01373
Std Dev 0.9495

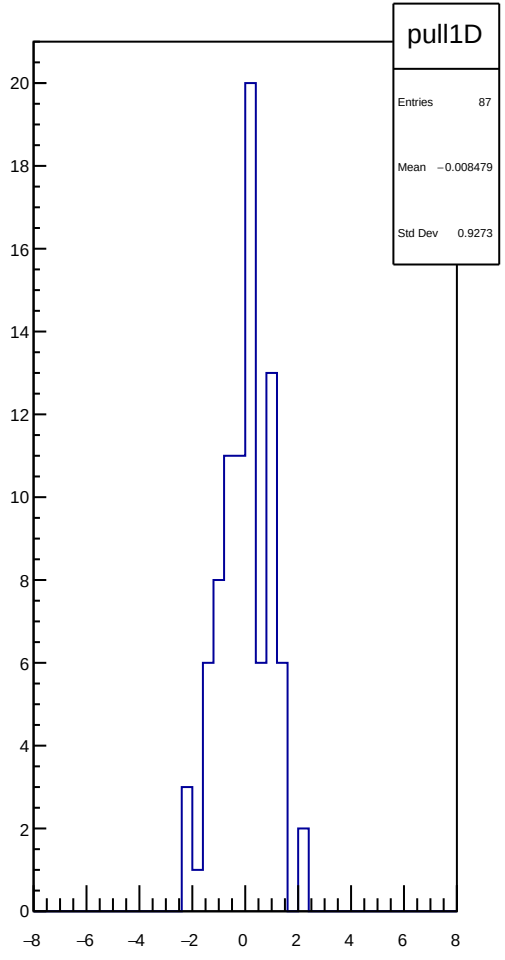

asym_atl_dd_rms vs run
χ² / ndf 8439 / 86
p0 5090 ± 3.966
7000
6500
6000
5500
5000
4500

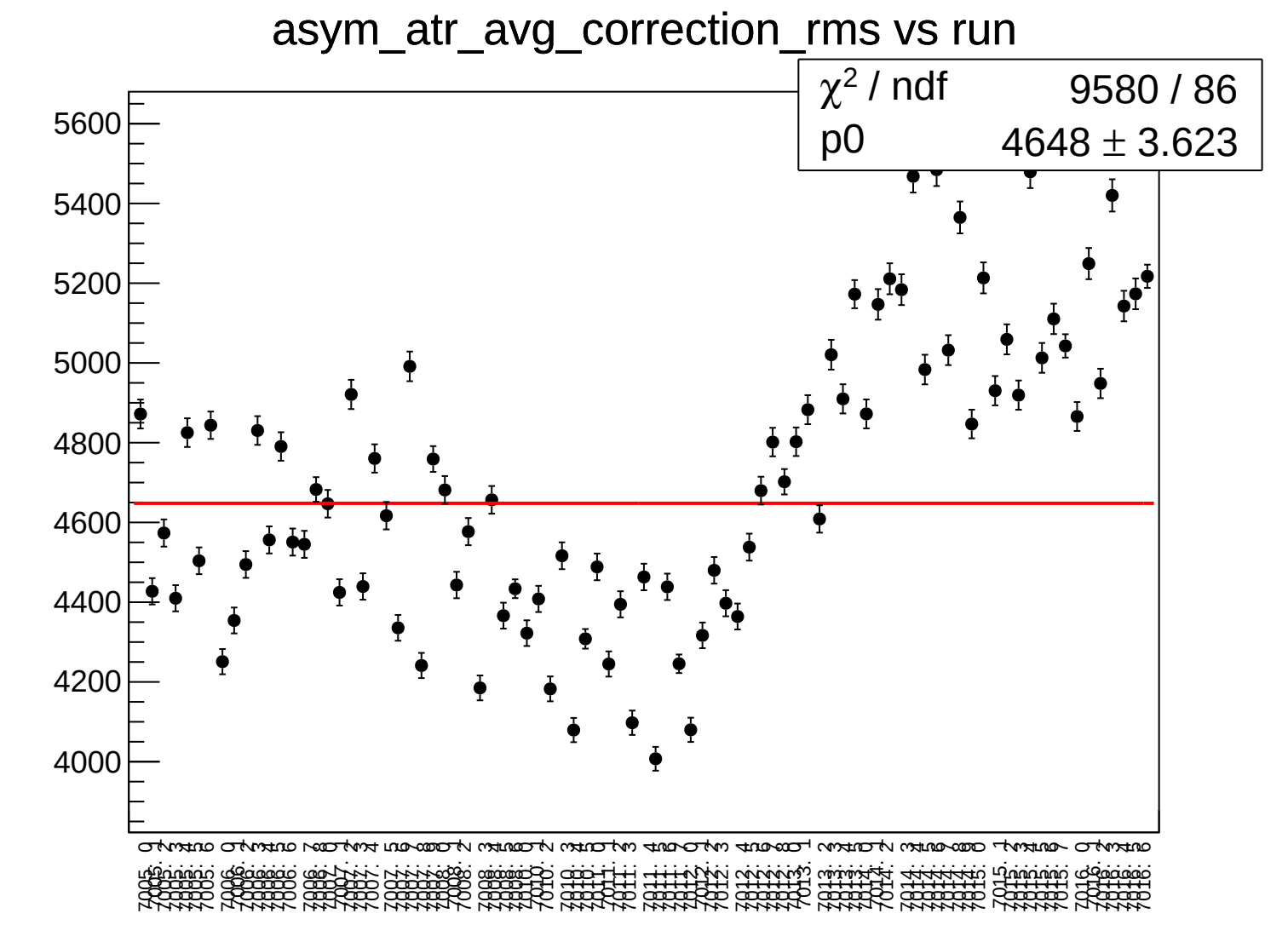

dit_asym_atr_avg_mean vs run
χ² / ndf 81.24 / 86
p0 −2039 ± 2068
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −107.4
Std Dev 160.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

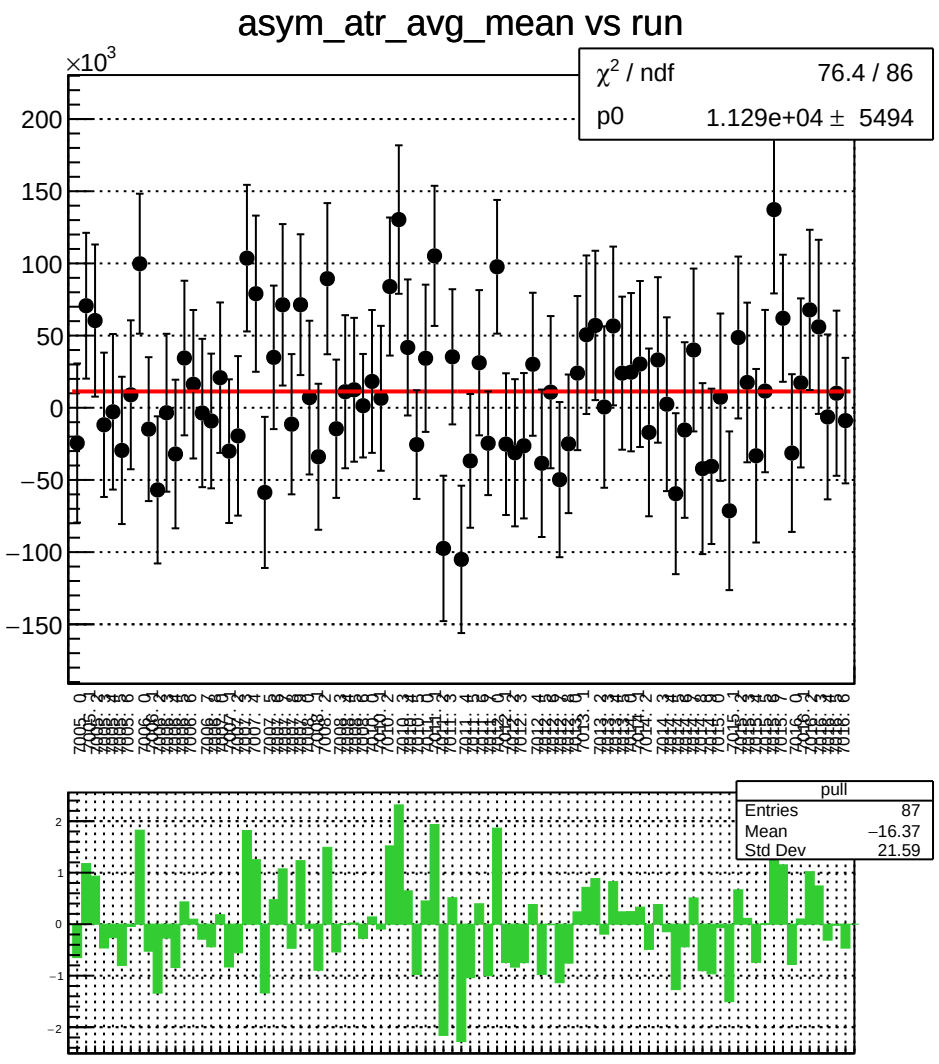

pull1D
Entries 87
Mean −0.01251
Std Dev 0.9662
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

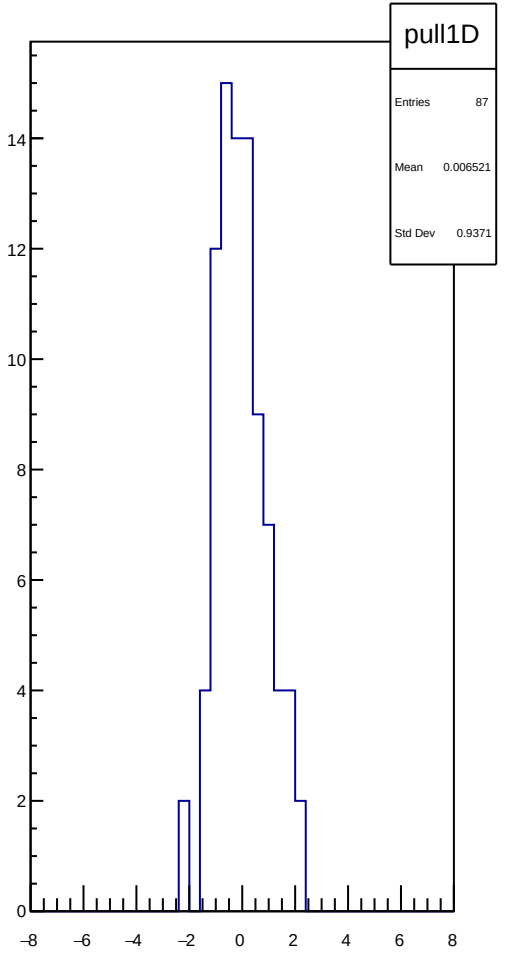

dit_asym_atr_avg_rms vs run
χ² / ndf 293.3 / 86
p0 1882 ± 1.463
1960
1940
1920
1900
1880
1860
1840
1820

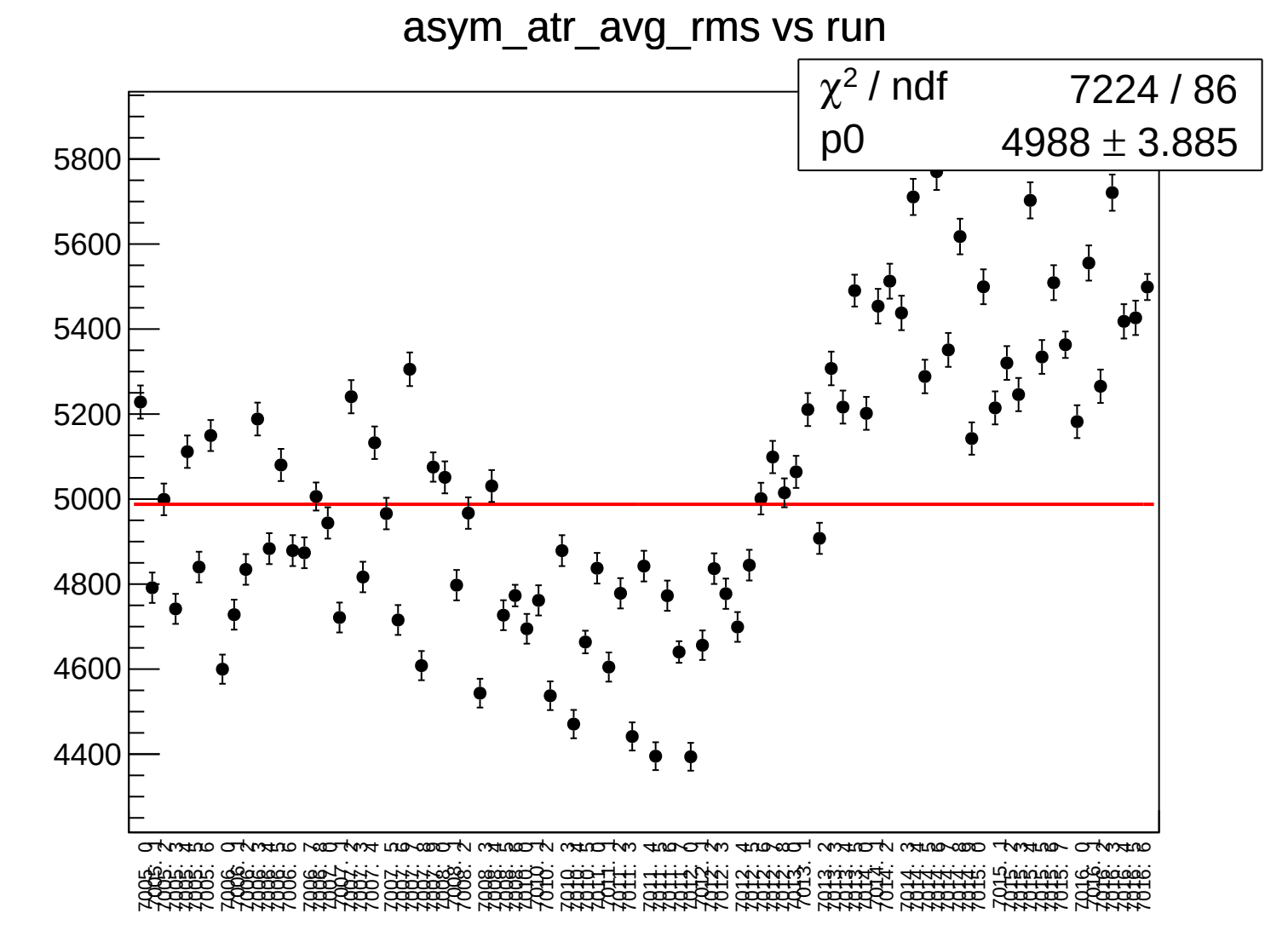

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 74.82 / 86
p0 −1.367e+04 ± 5124
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −89.58
Std Dev 130.8
2
1
0
−1
−2

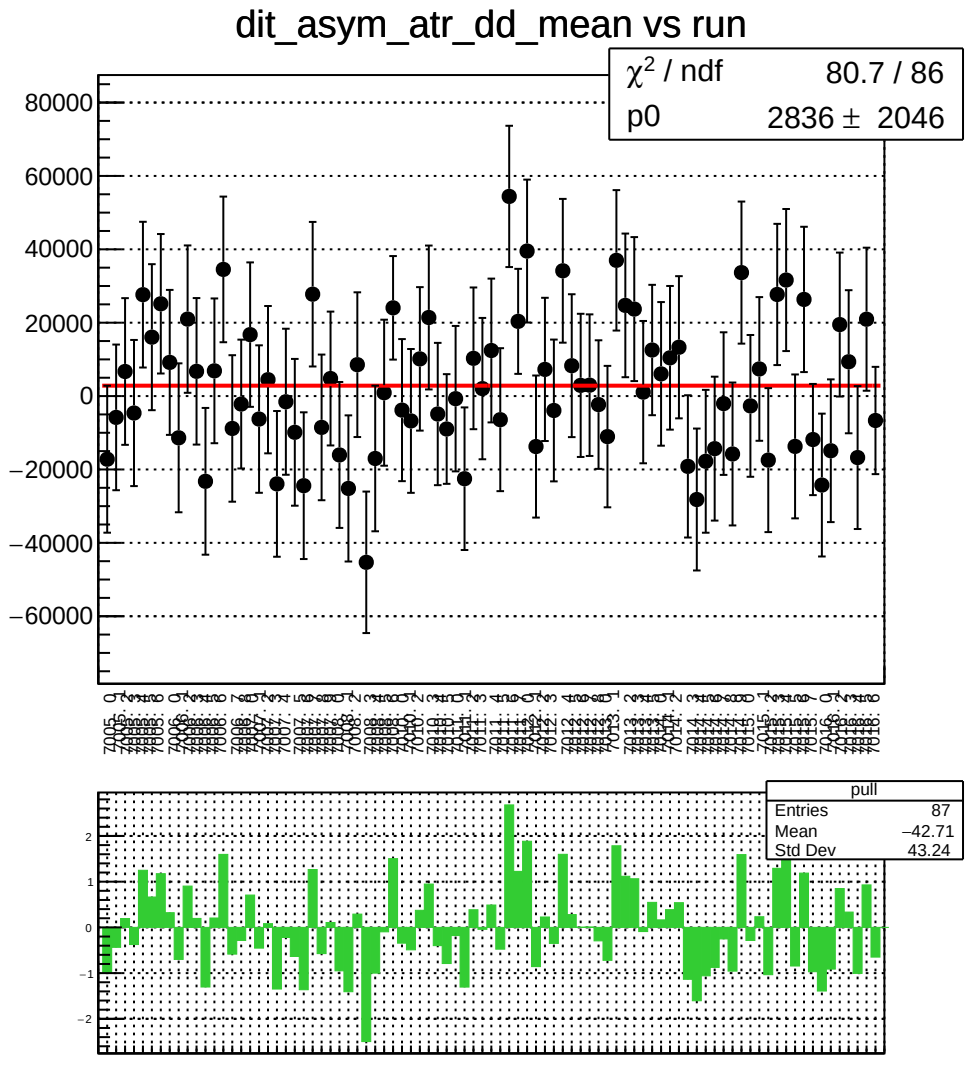

pull1D
Entries 87
Mean −0.008479
Std Dev 0.9273
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

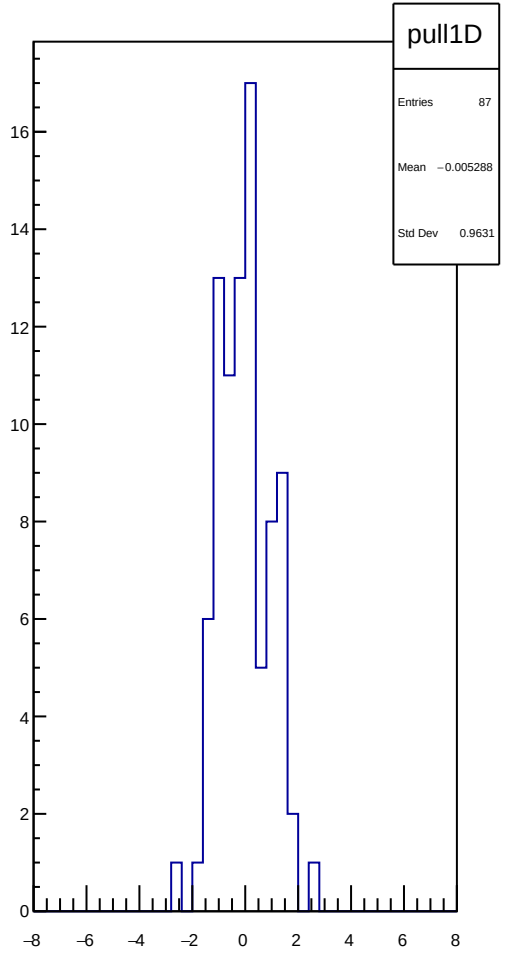

asym_atr_avg_correction_rms vs run
χ² / ndf 9580 / 86
p0 4648 ± 3.623
5600
5400
5200
5000
4800
4600
4400
4200
4000

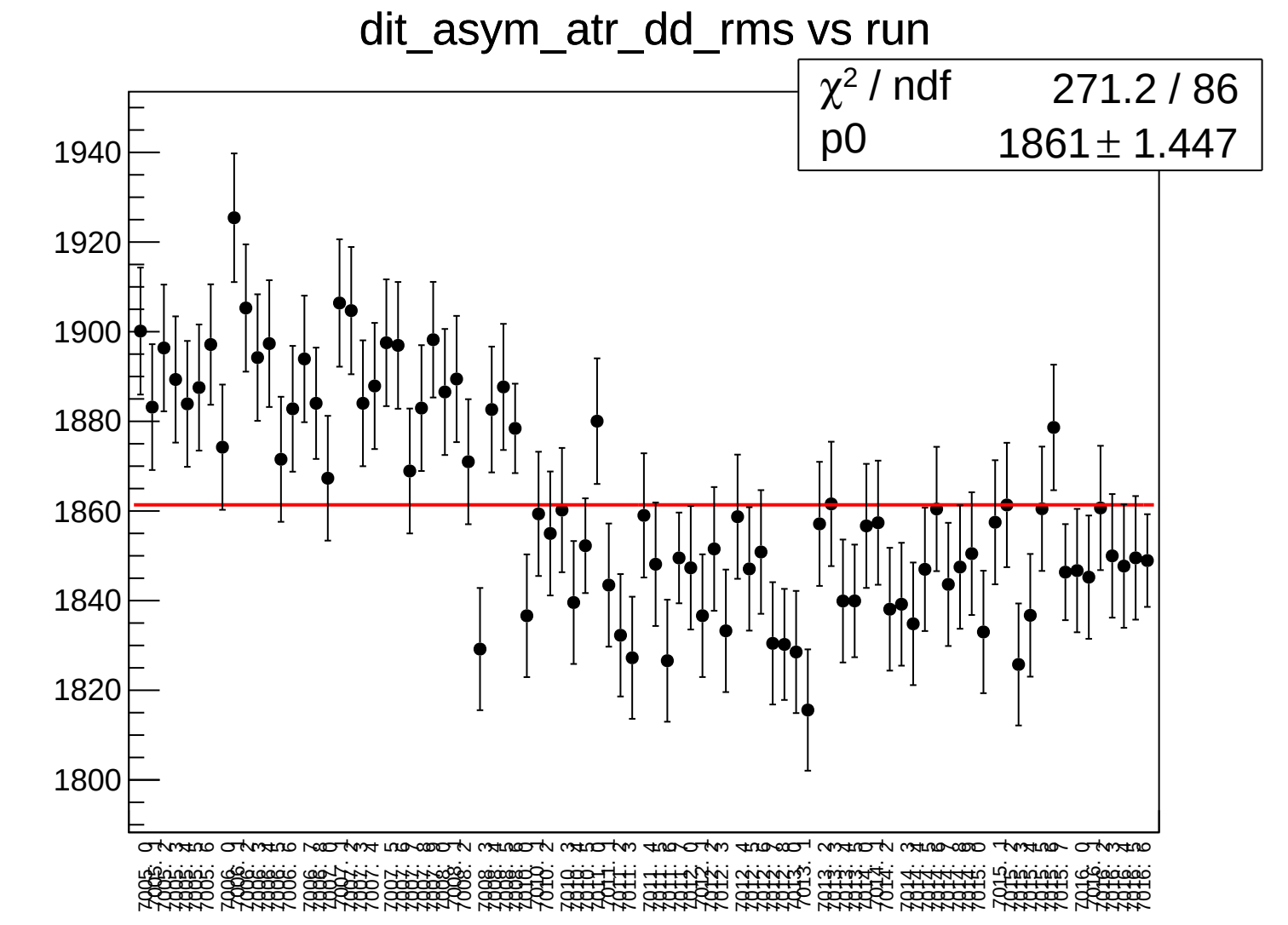

asym_atr_avg_mean vs run
×10^3
χ² / ndf 76.4 / 86
p0 1.129e+04 ± 5494
pull
Entries 87
Mean −16.37
Std Dev 21.59

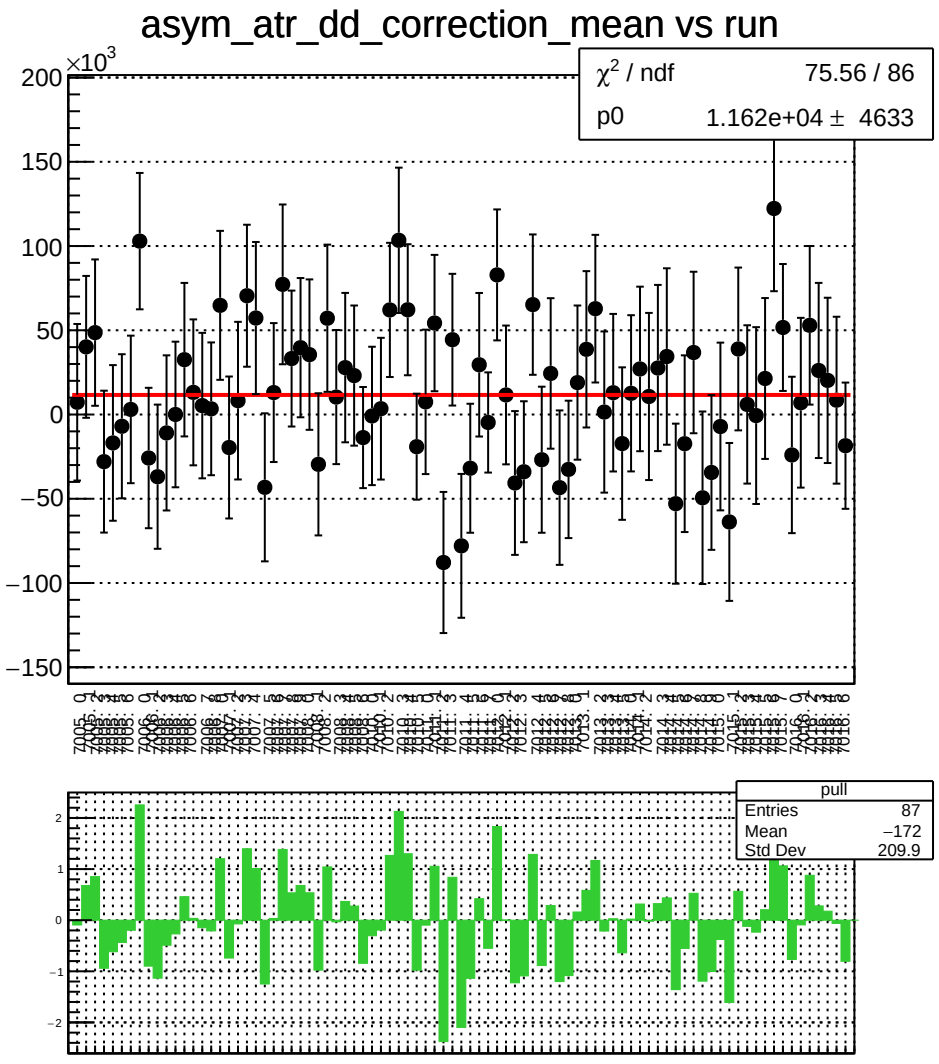

pull1D
Entries 87
Mean 0.006521
Std Dev 0.9371

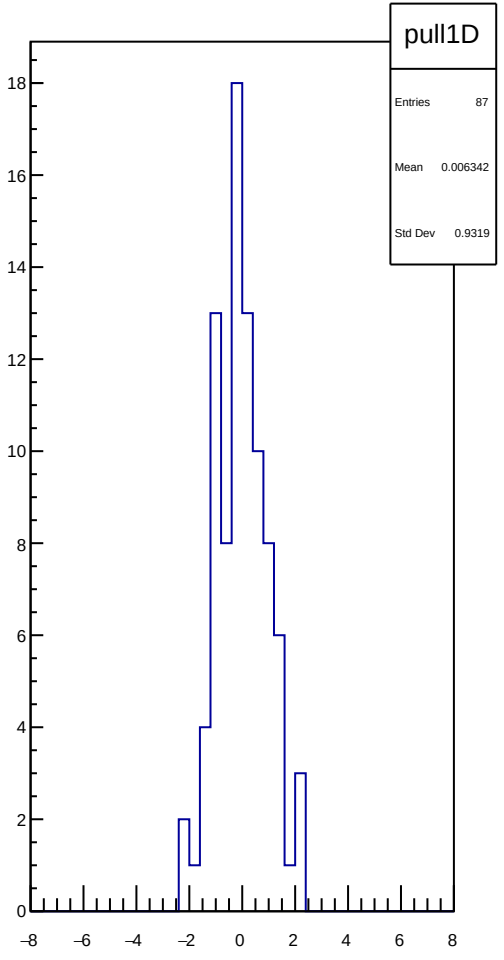

asym_atr_avg_rms vs run
χ² / ndf 7224 / 86
p0 4988 ± 3.885
5800
5600
5400
5200
5000
4800
4600
4400

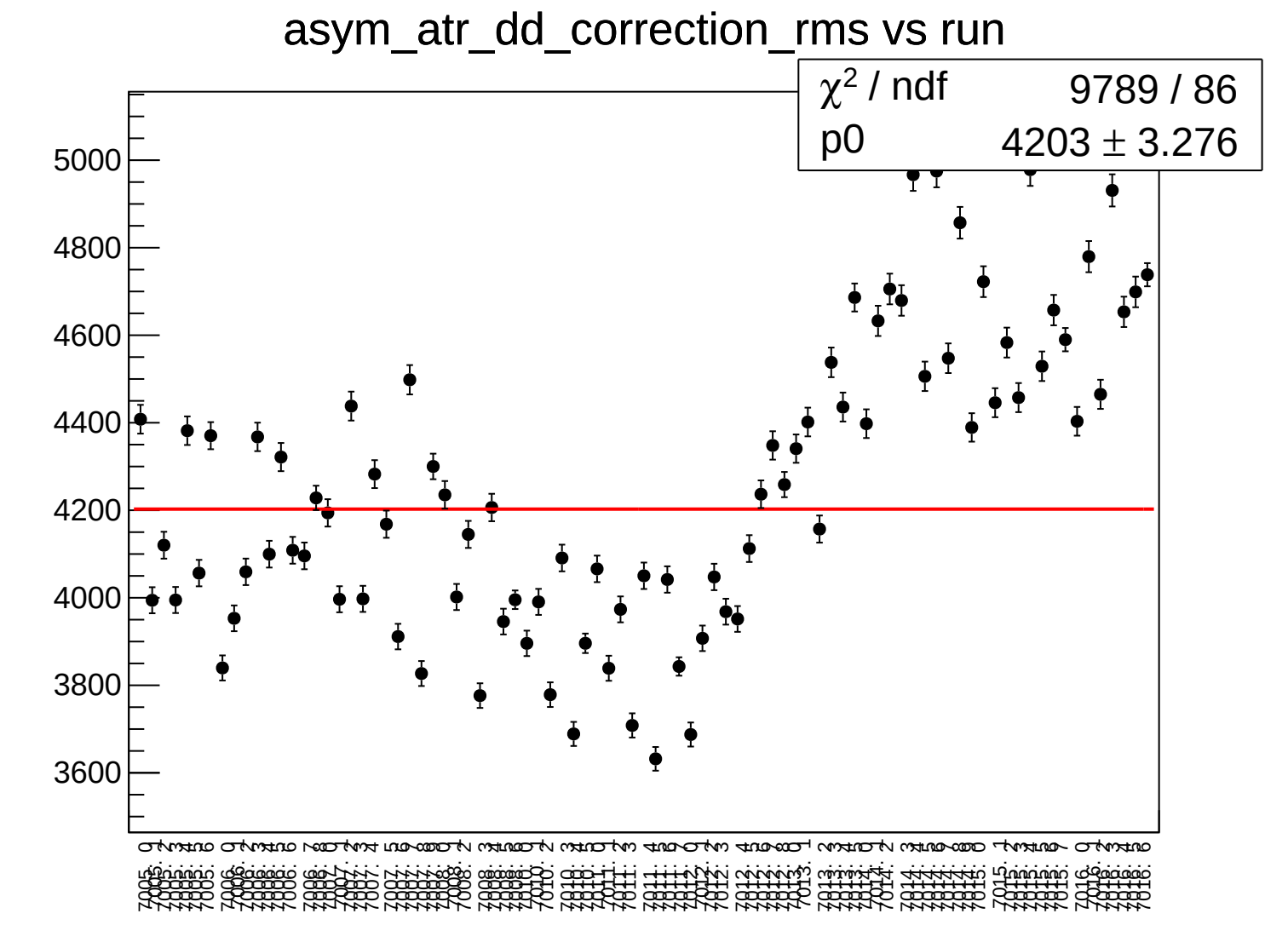

dit_asym_atr_dd_mean vs run
χ² / ndf 80.7 / 86
p0 2836 ± 2046
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −42.71
Std Dev 43.24
2
1
0
−1
−2

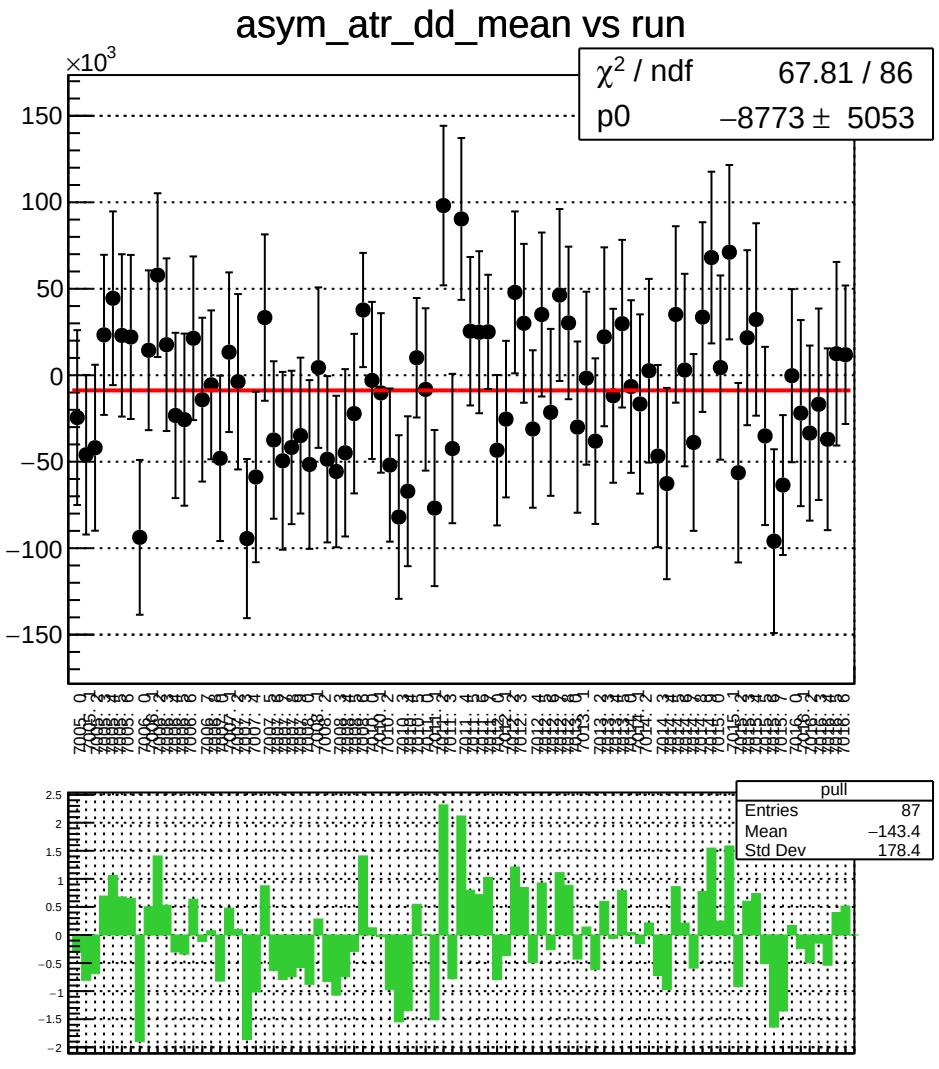

pull1D
Entries 87
Mean −0.005288
Std Dev 0.9631
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

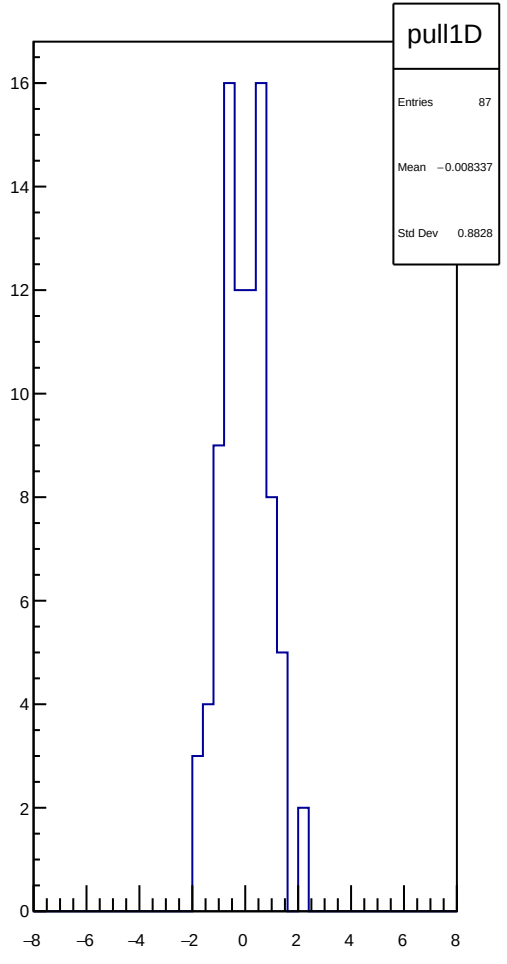

dit_asym_atr_dd_rms vs run
χ² / ndf 271.2 / 86
p0 1861 ± 1.447
1940
1920
1900
1880
1860
1840
1820
1800

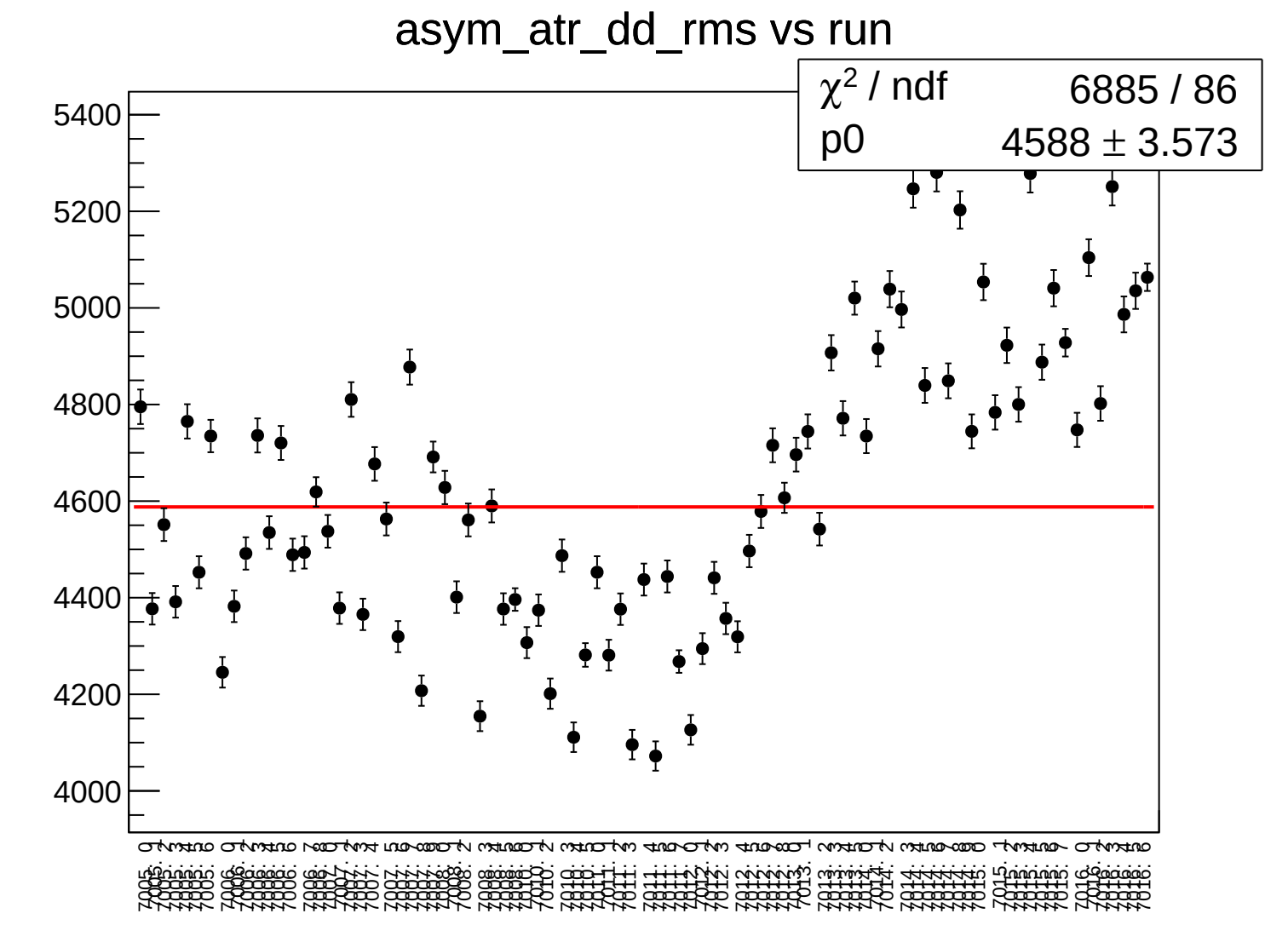

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 75.56 / 86
p0 1.162e+04 ± 4633
pull
Entries 87
Mean −172
Std Dev 209.9

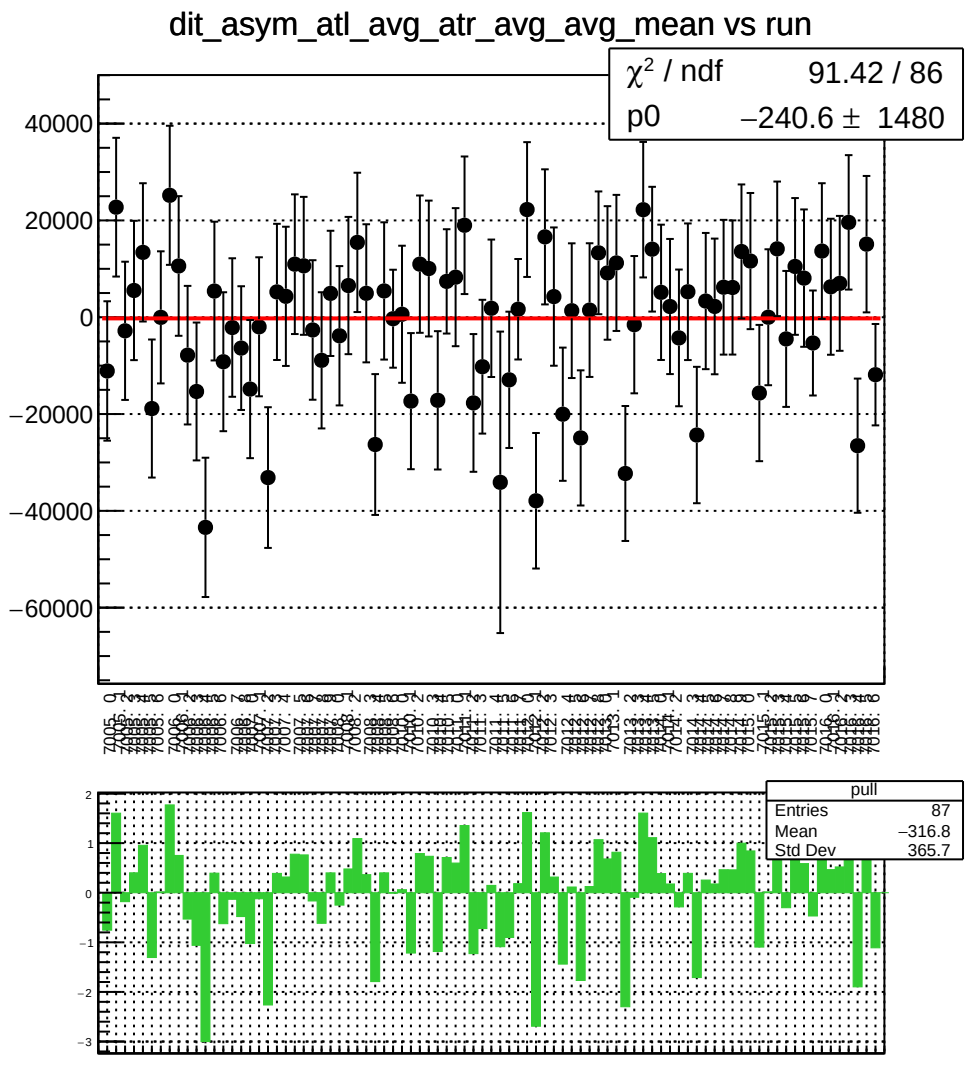

pull1D
Entries 87
Mean 0.006342
Std Dev 0.9319

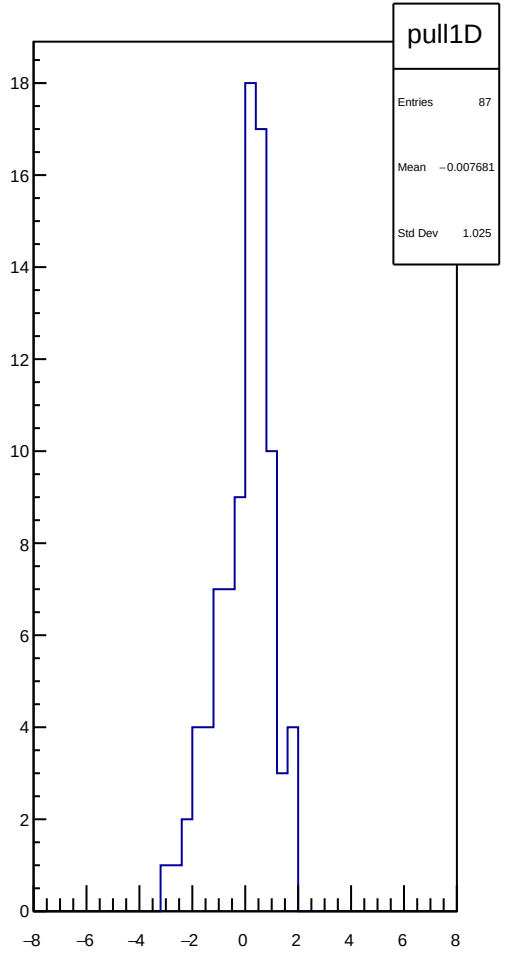

asym_atr_dd_correction_rms vs run
χ² / ndf 9789 / 86
p0 4203 ± 3.276
5000
4800
4600
4400
4200
4000
3800
3600

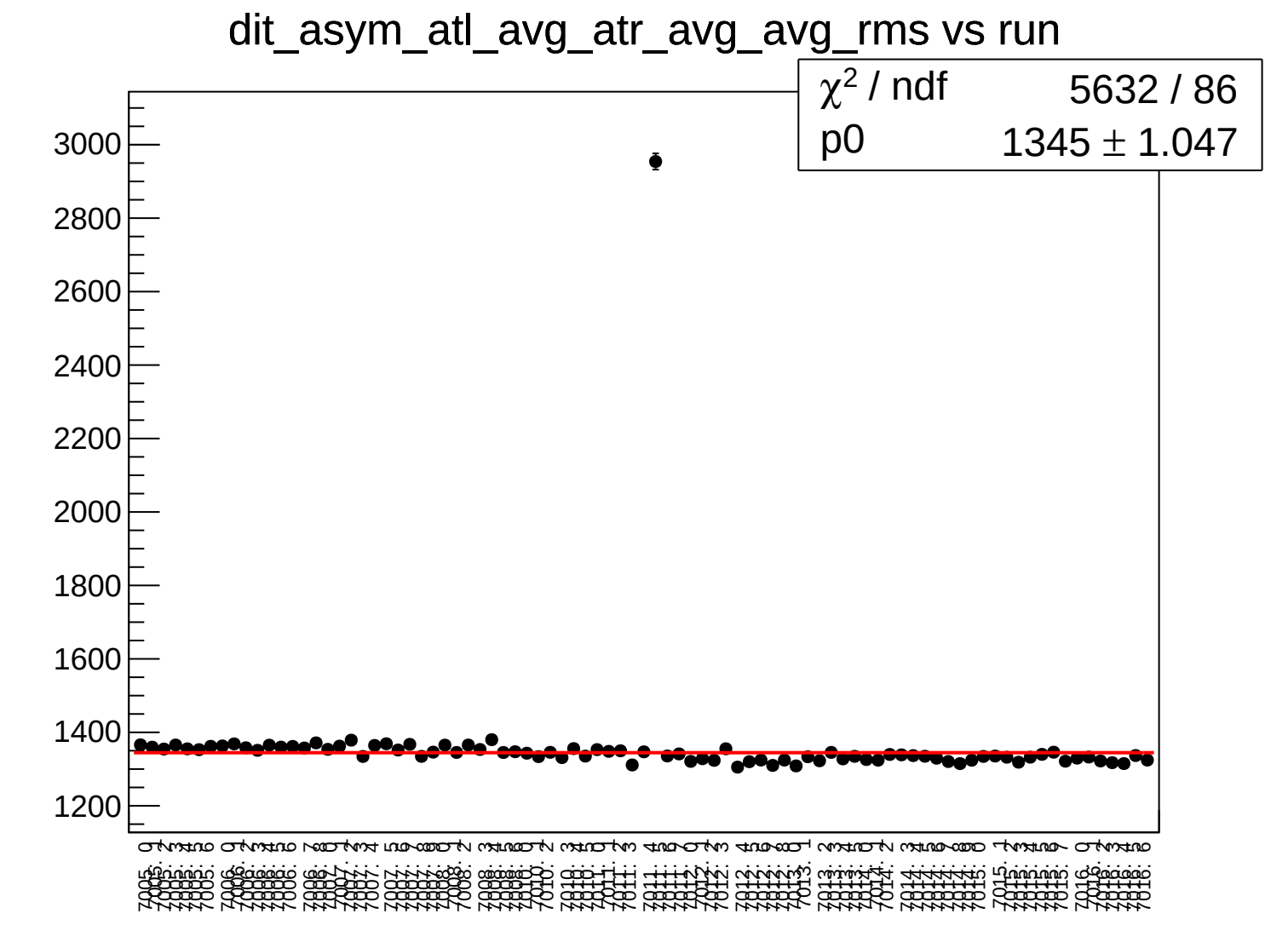

asym_atr_dd_mean vs run
×10^3
χ² / ndf 67.81 / 86
p0 −8773 ± 5053
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −143.4
Std Dev 178.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

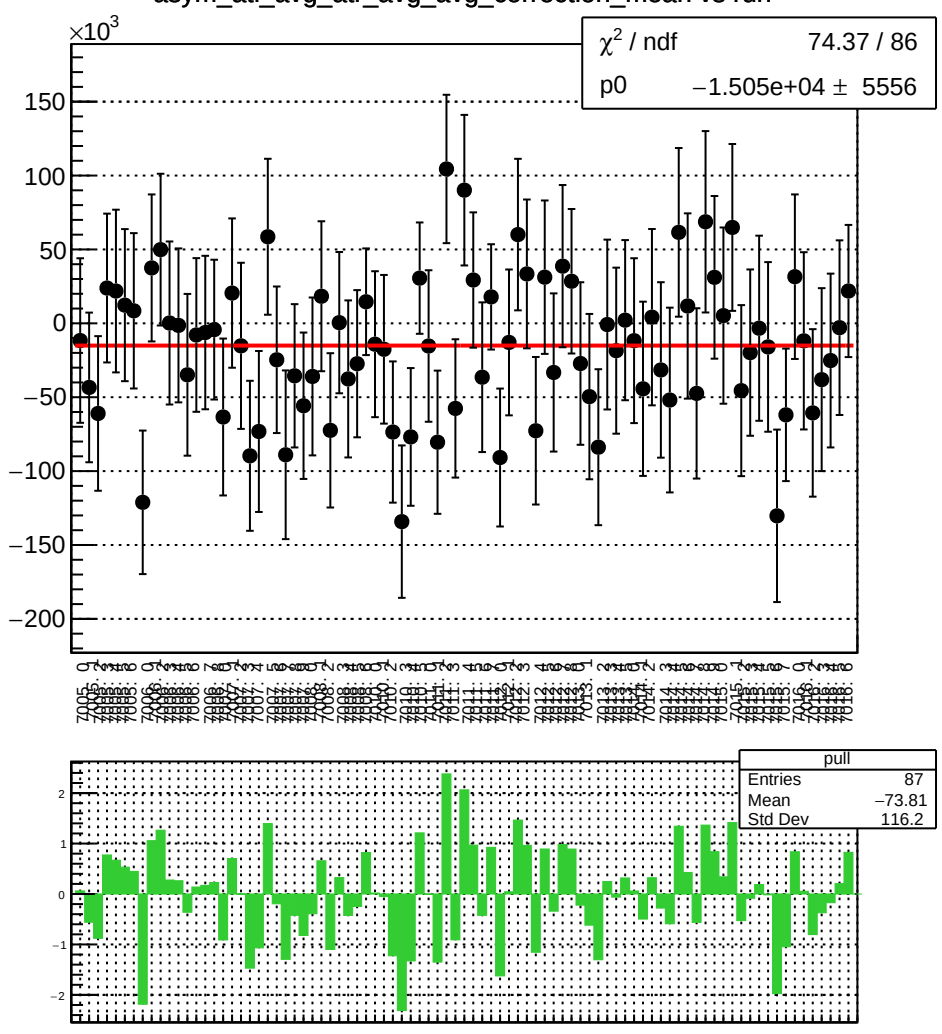

pull1D
Entries 87
Mean −0.008337
Std Dev 0.8828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

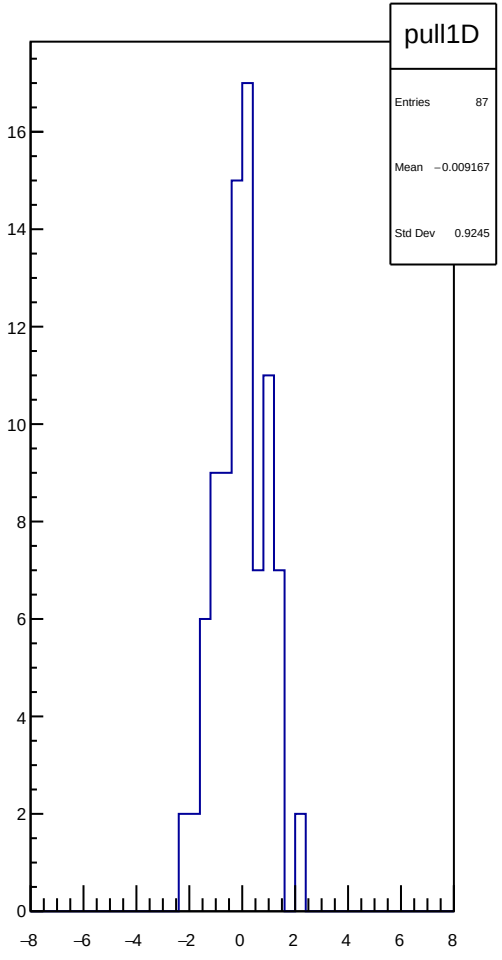

asym_atr_dd_rms vs run
χ^2 / ndf 6885 / 86
p0 4588 ± 3.573
5400
5200
5000
4800
4600
4400
4200
4000

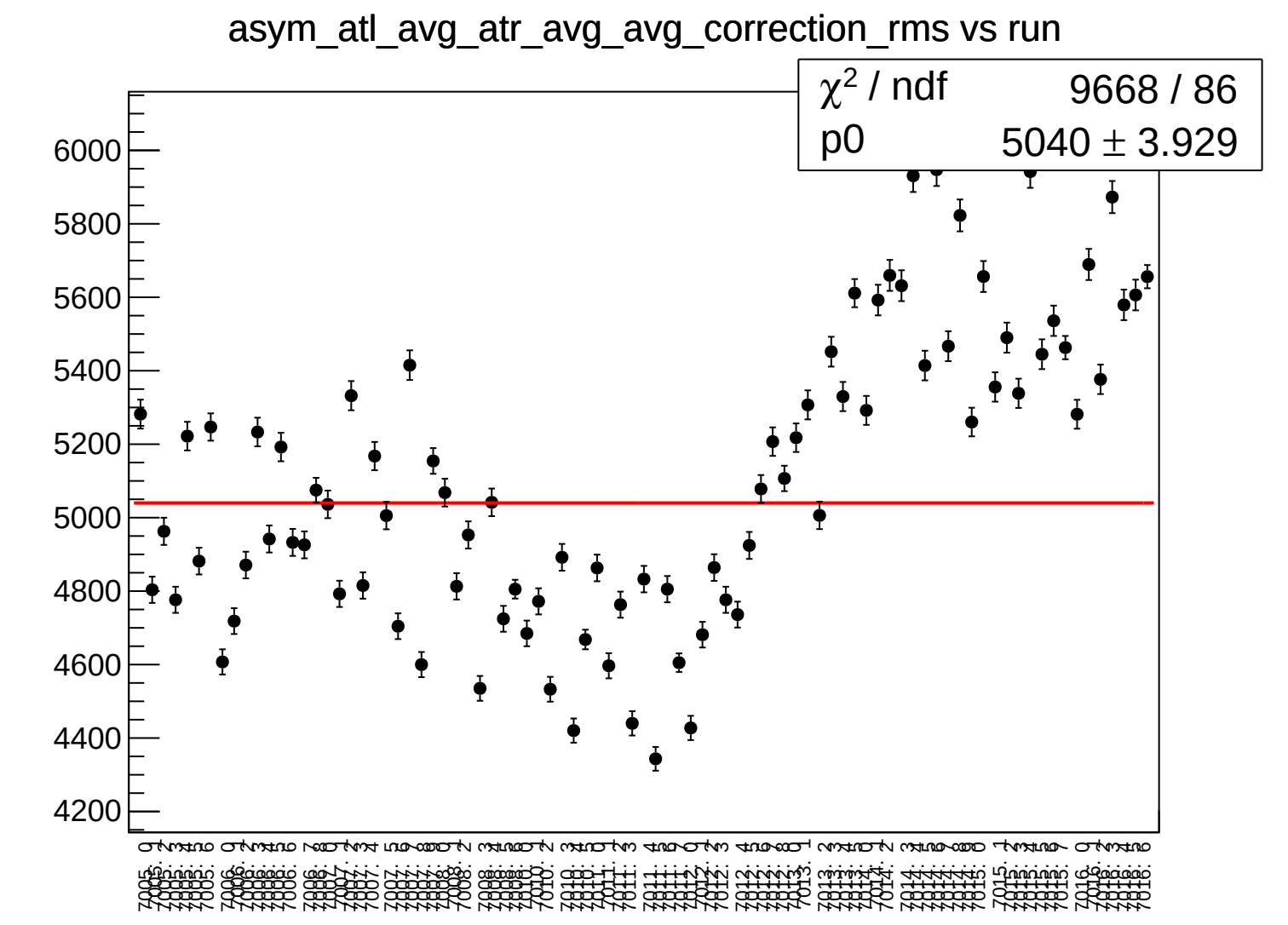

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 91.42 / 86
p0 −240.6 ± 1480
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −316.8
Std Dev 365.7
2
1
0
−1
−2
−3

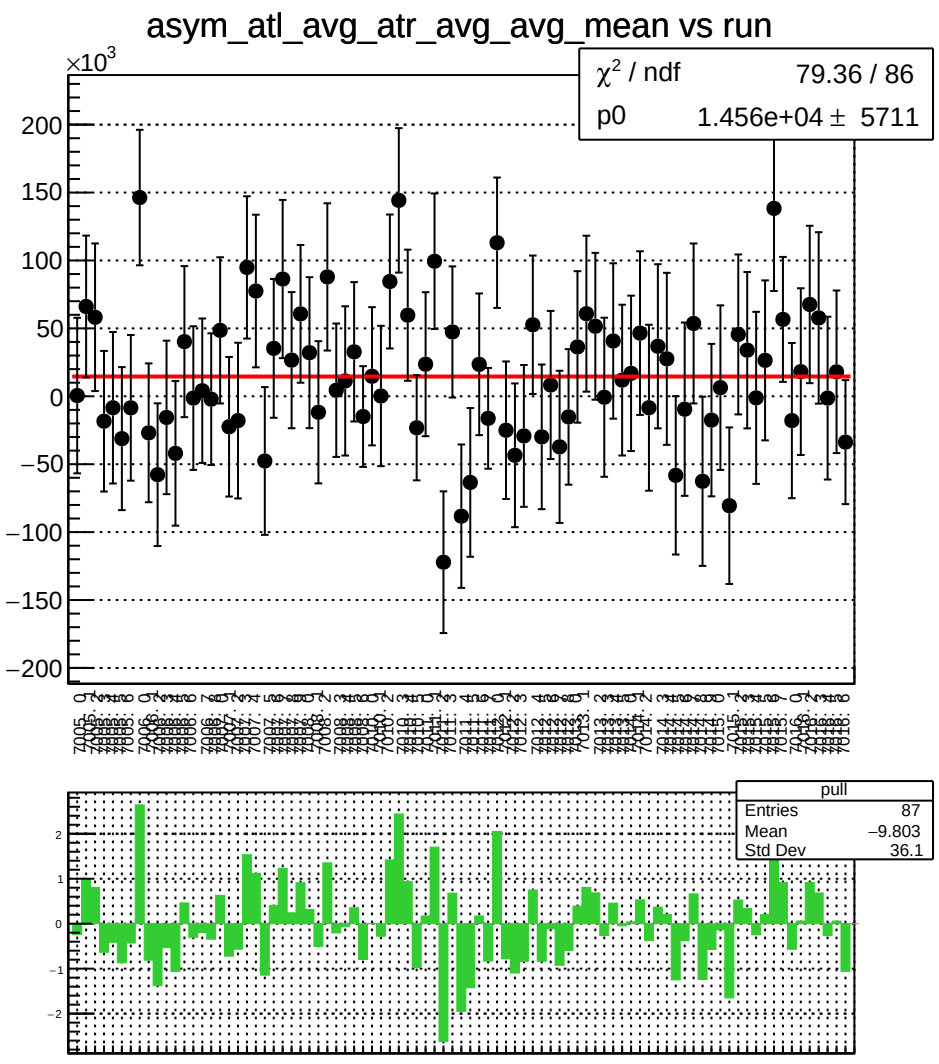

pull1D
Entries 87
Mean −0.007681
Std Dev 1.025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

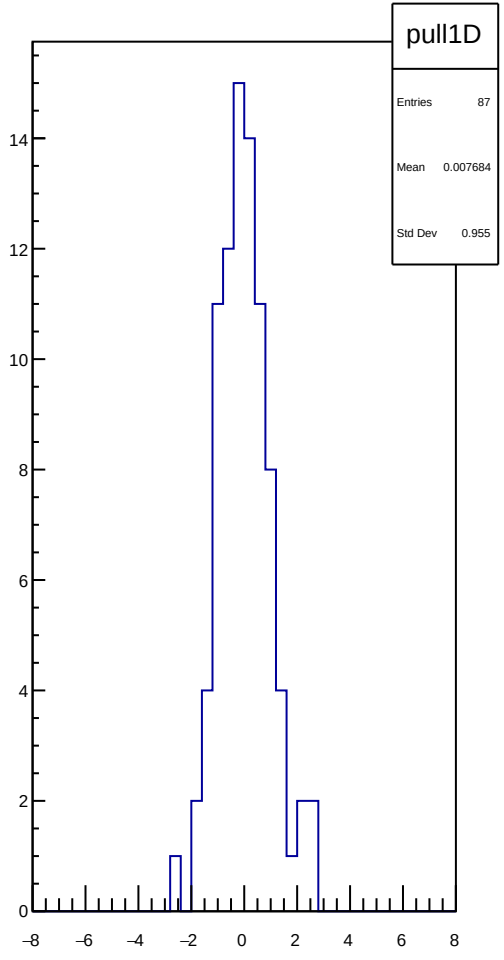

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5632 / 86
p0 1345 ± 1.047
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

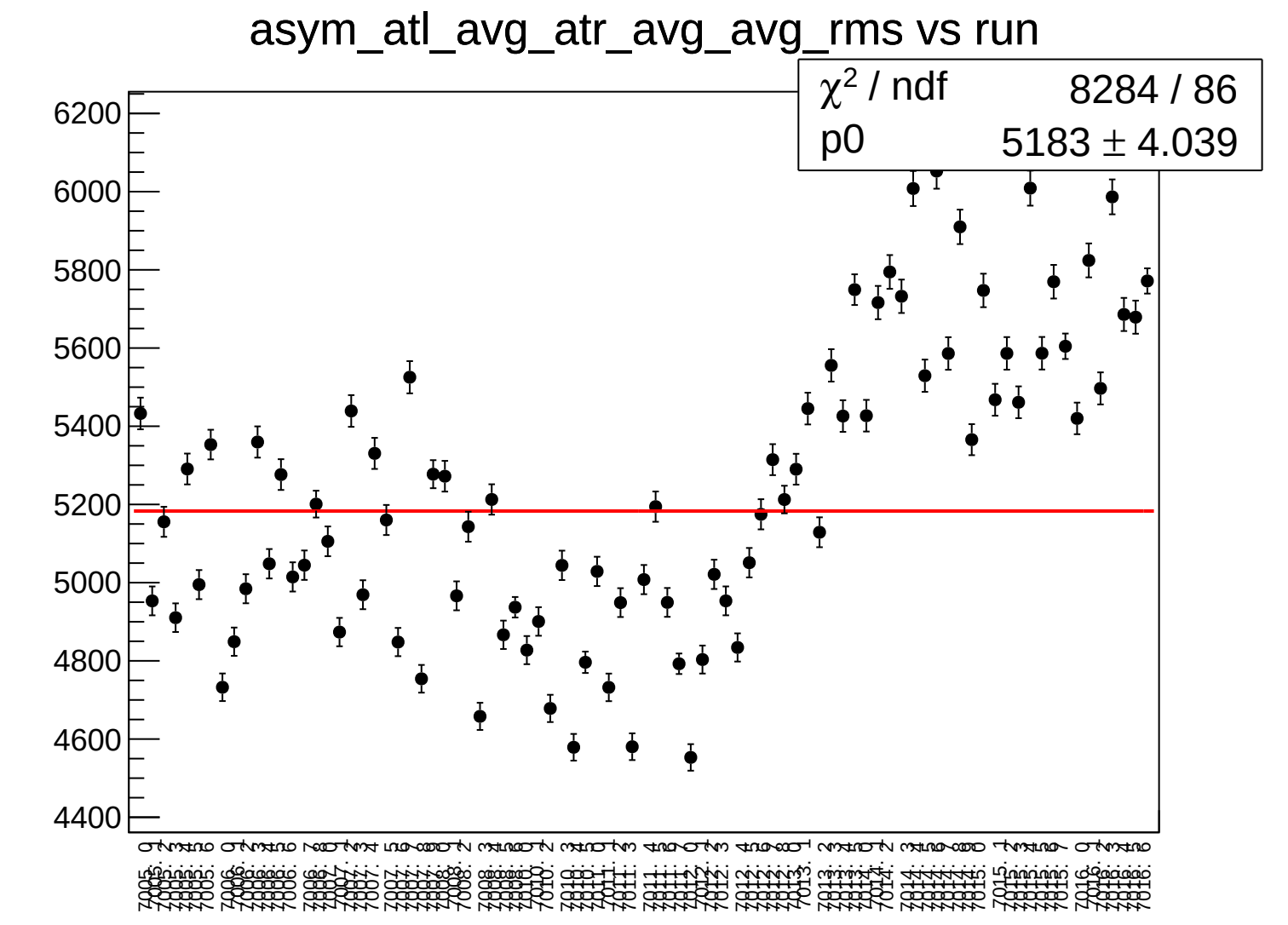

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 74.37 / 86
p0 −1.505e+04 ± 5556
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −73.81
Std Dev 116.2
2
1
0
−1
−2

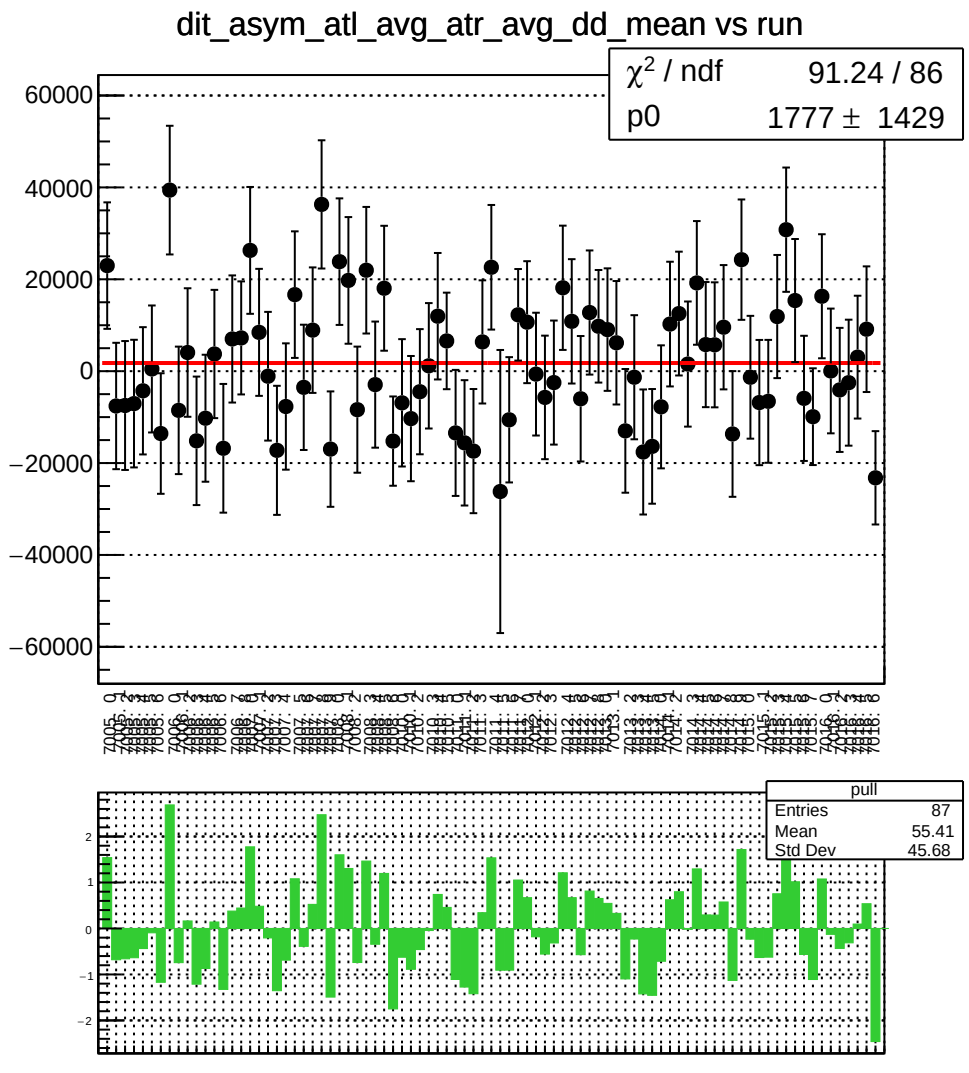

pull1D
Entries 87
Mean −0.009167
Std Dev 0.9245
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

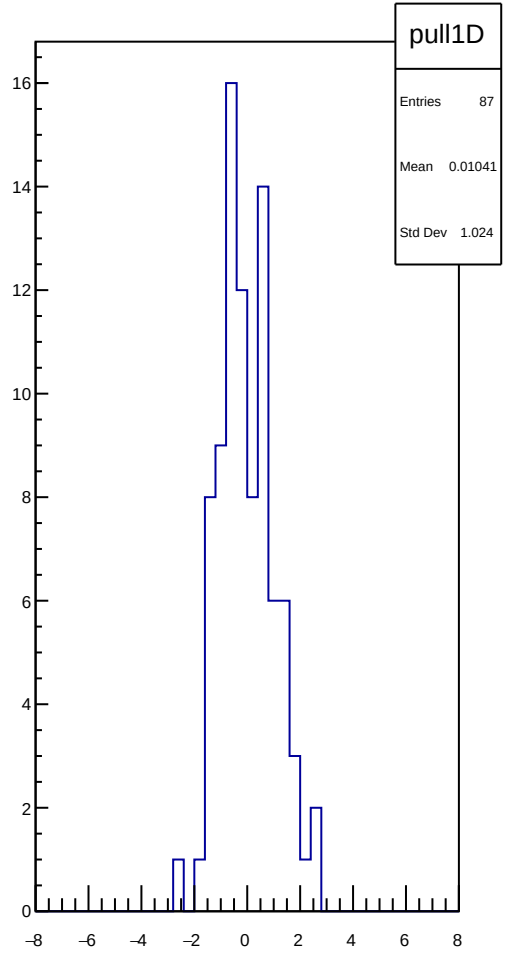

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9668 / 86
p0 5040 ± 3.929
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

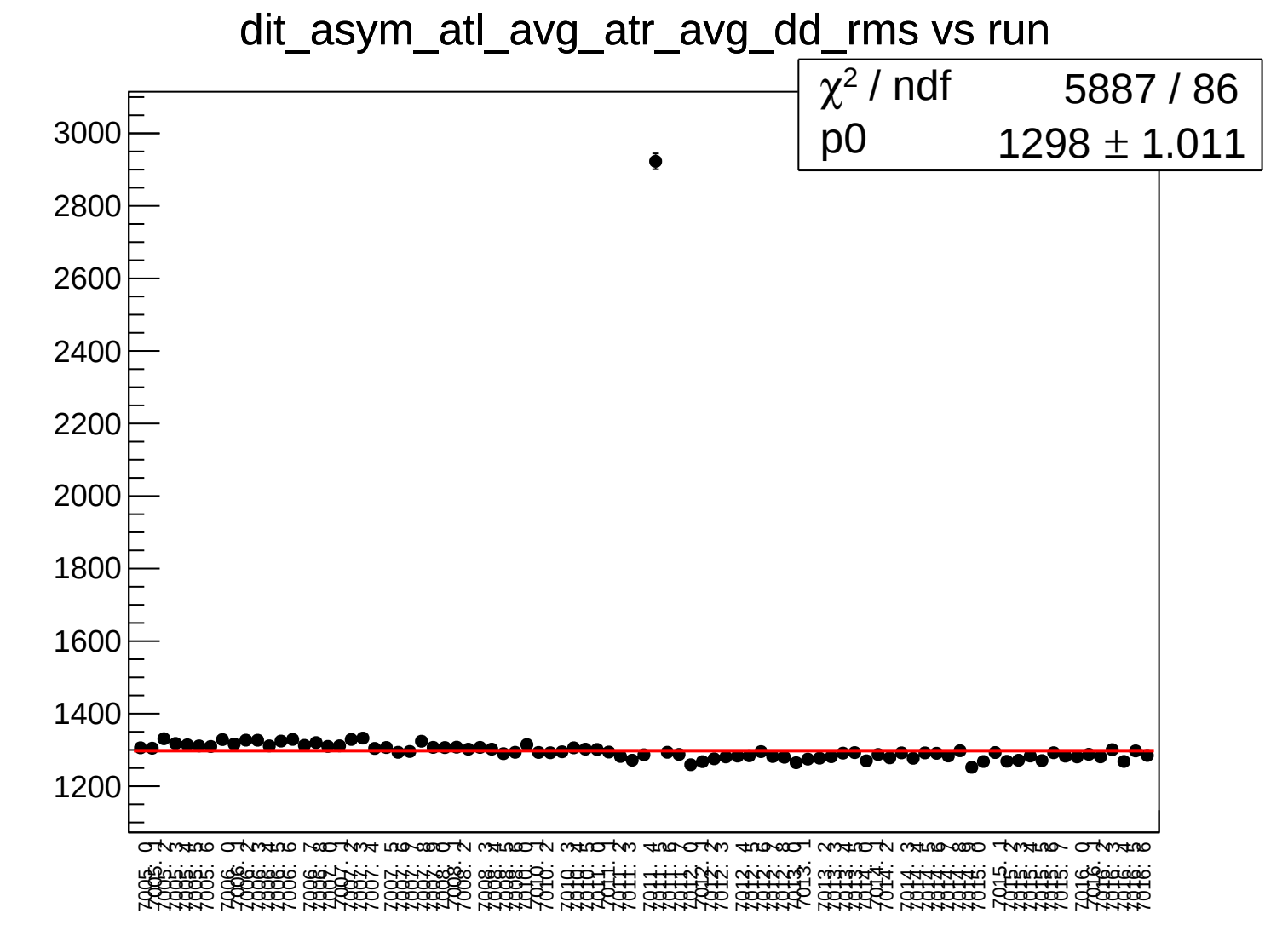

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 79.36 / 86
p0 1.456e+04 ± 5711
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −9.803
Std Dev 36.1
2
1
0
−1
−2

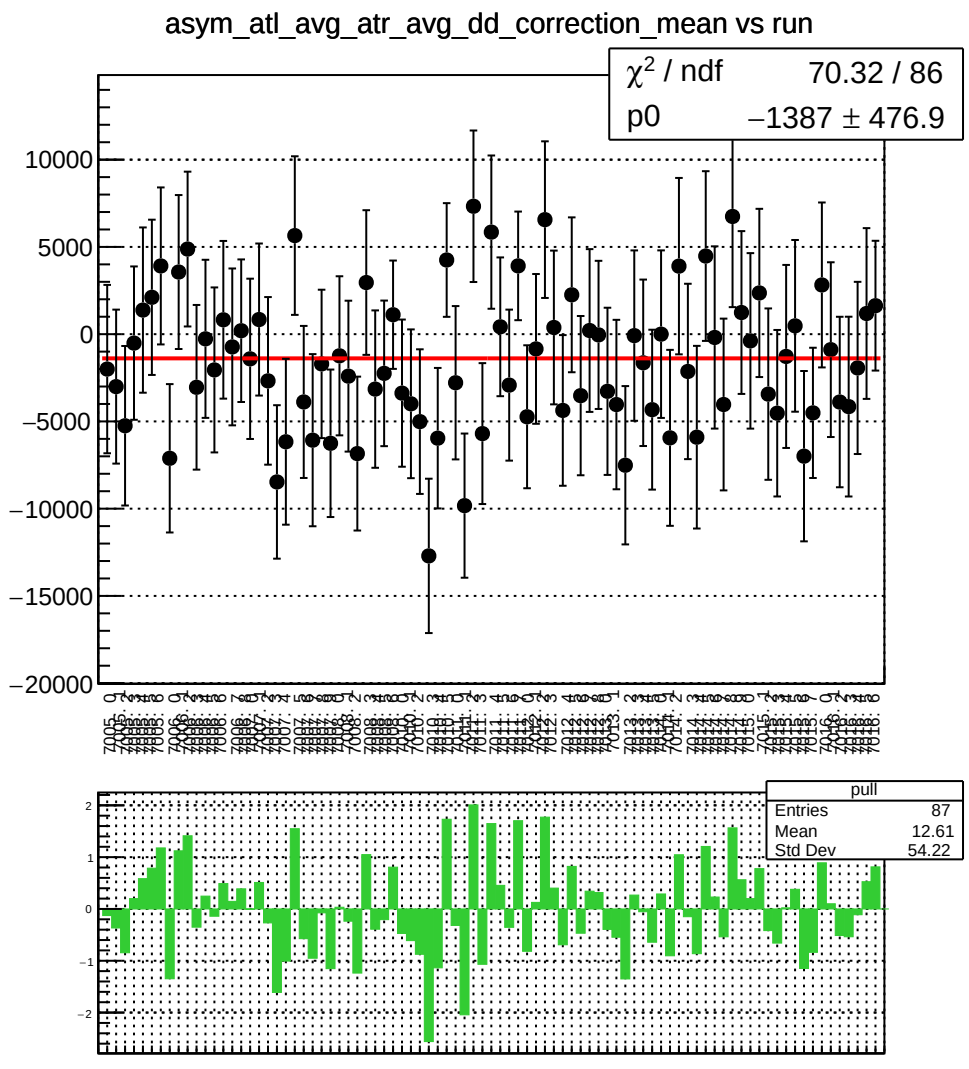

pull1D
Entries 87
Mean 0.007684
Std Dev 0.955
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

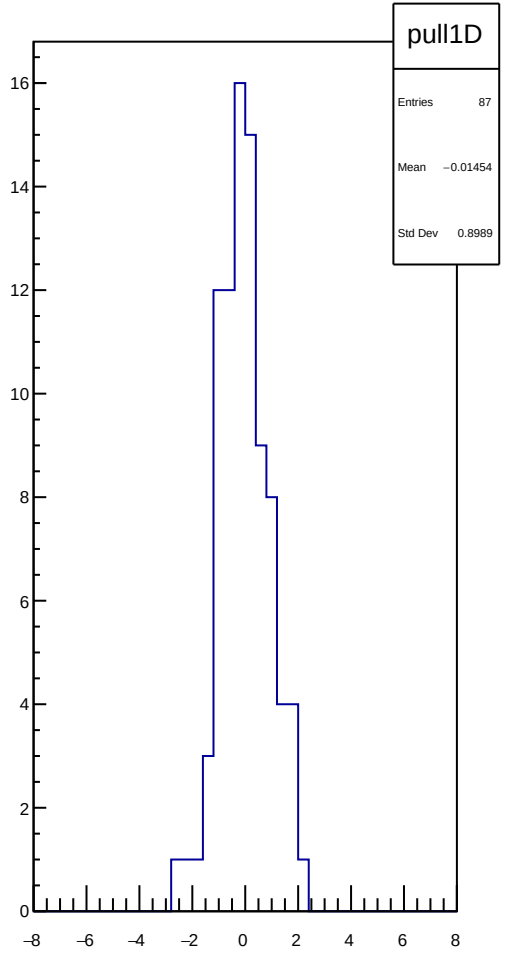

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8284 / 86
p0 5183 ± 4.039
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

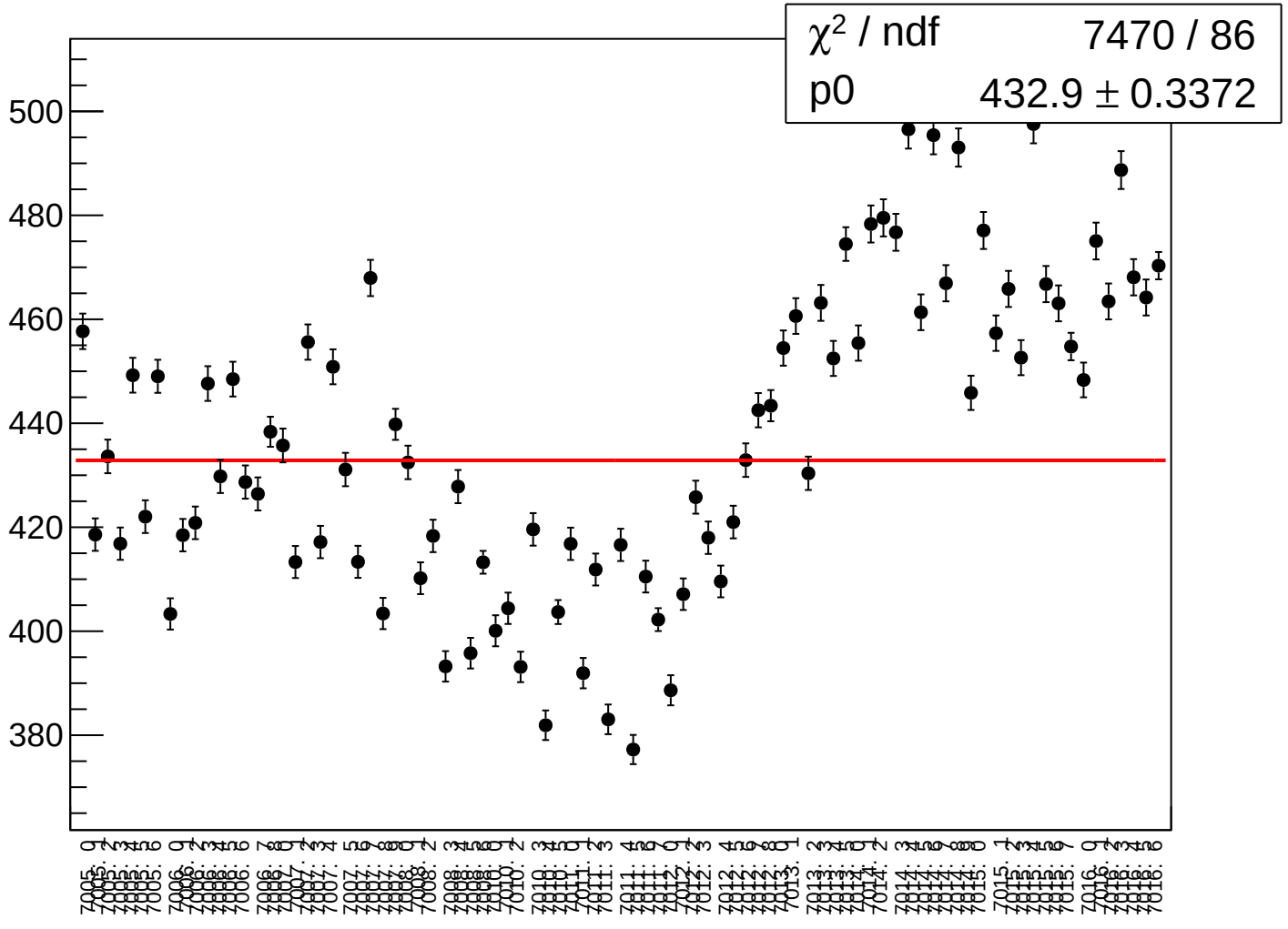

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 91.24 / 86
p0 1777 ± 1429
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 55.41
Std Dev 45.68
2
1
0
−1
−2

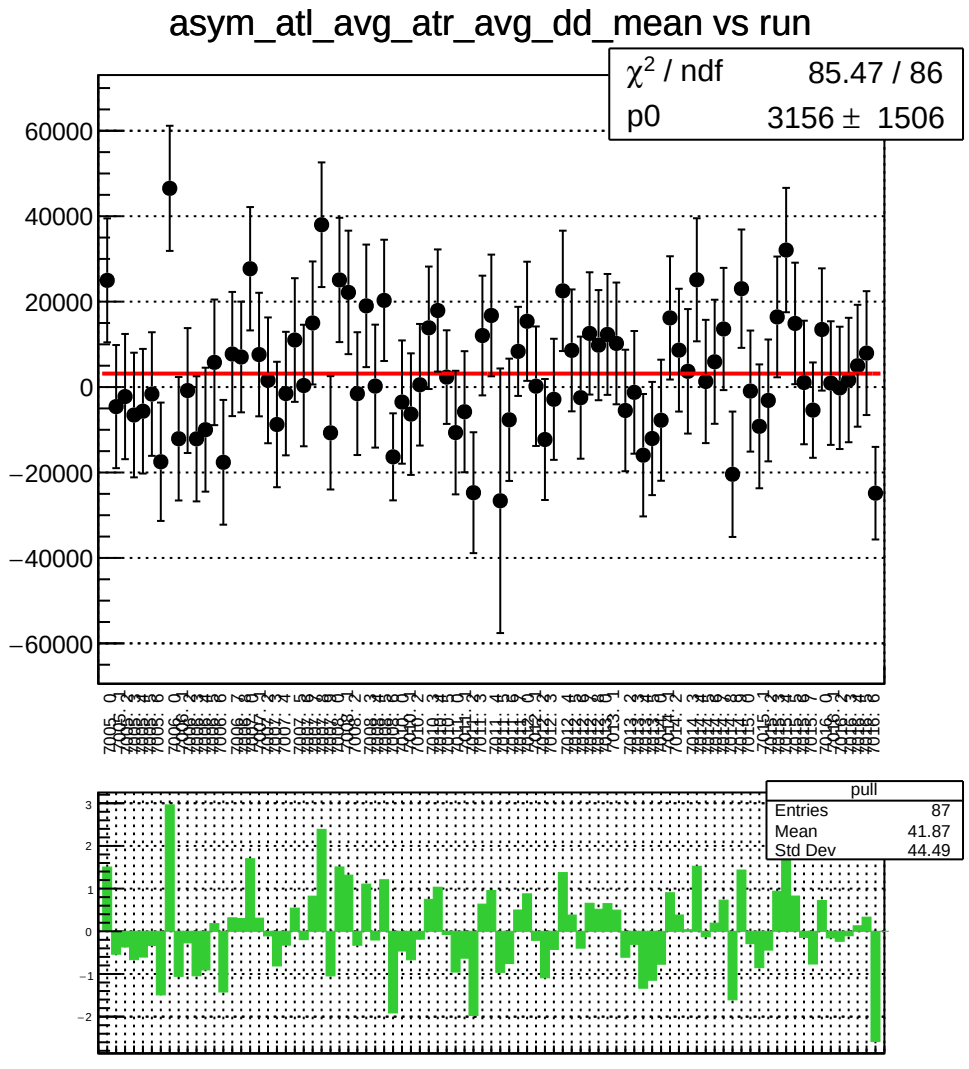

pull1D
Entries 87
Mean 0.01041
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

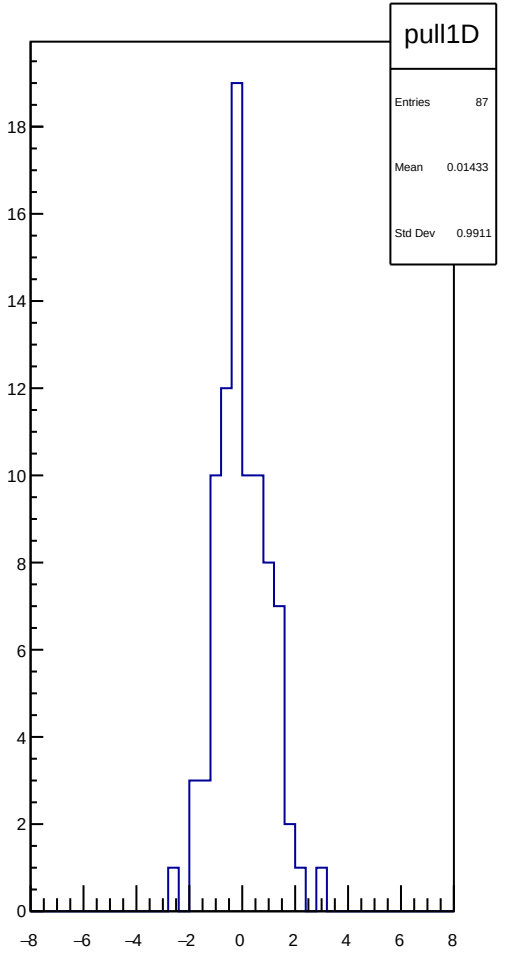

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5887 / 86
p0 1298 ± 1.011
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

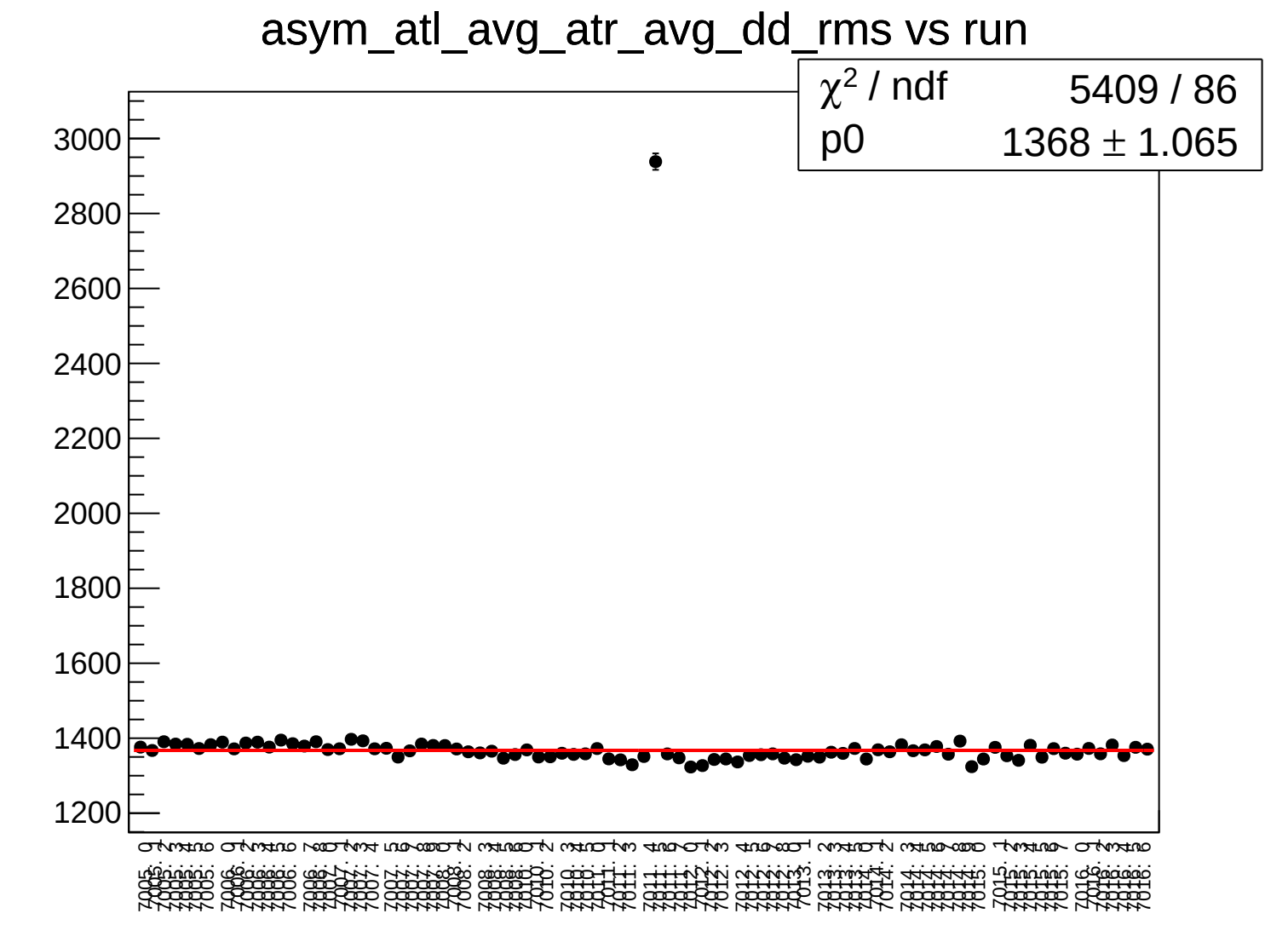

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 70.32 / 86
p0 −1387 ± 476.9
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean 12.61
Std Dev 54.22
2
1
0
−1
−2

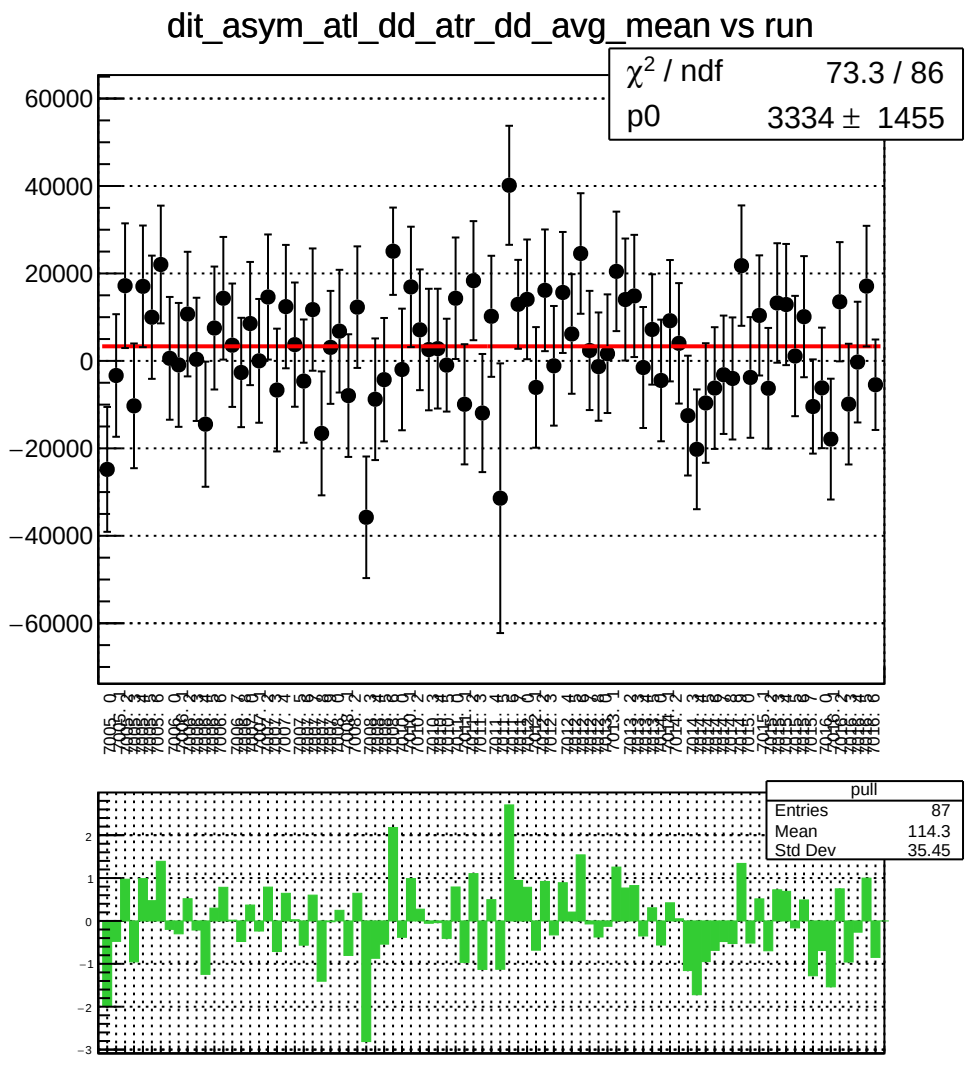

pull1D
Entries 87
Mean −0.01454
Std Dev 0.8989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

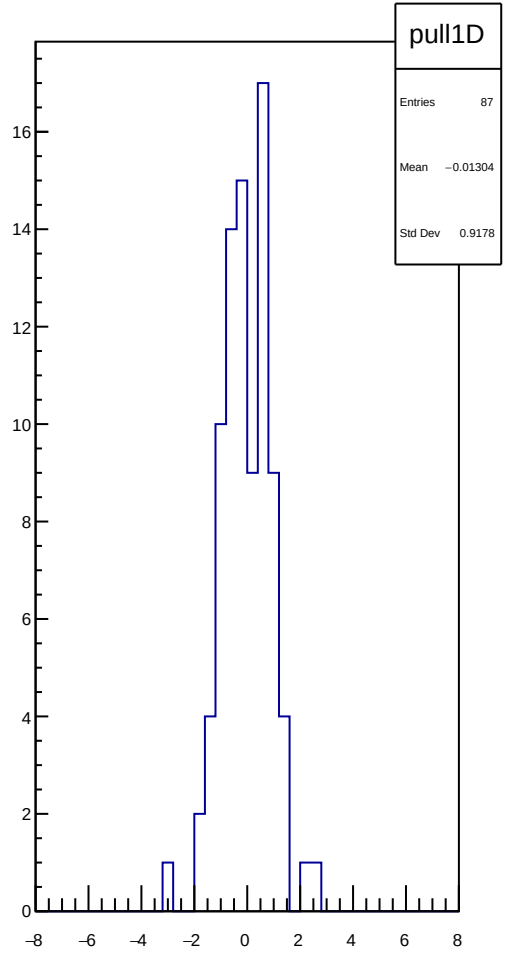

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7470 / 86
p0 432.9 ± 0.3372
500
480
460
440
420
400
380

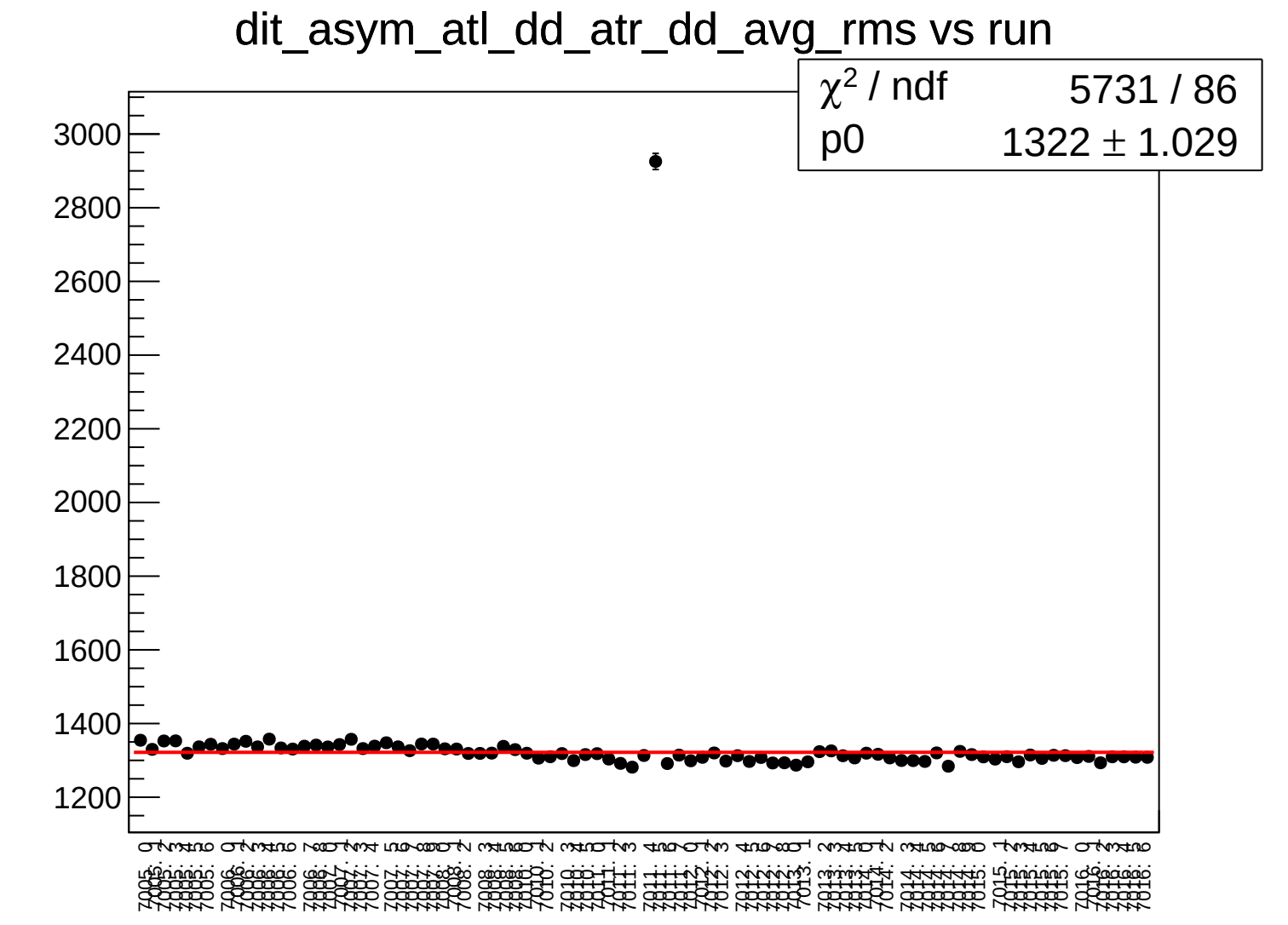

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.47 / 86
p0 3156 ± 1506
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 41.87
Std Dev 44.49
3
2
1
0
−1
−2

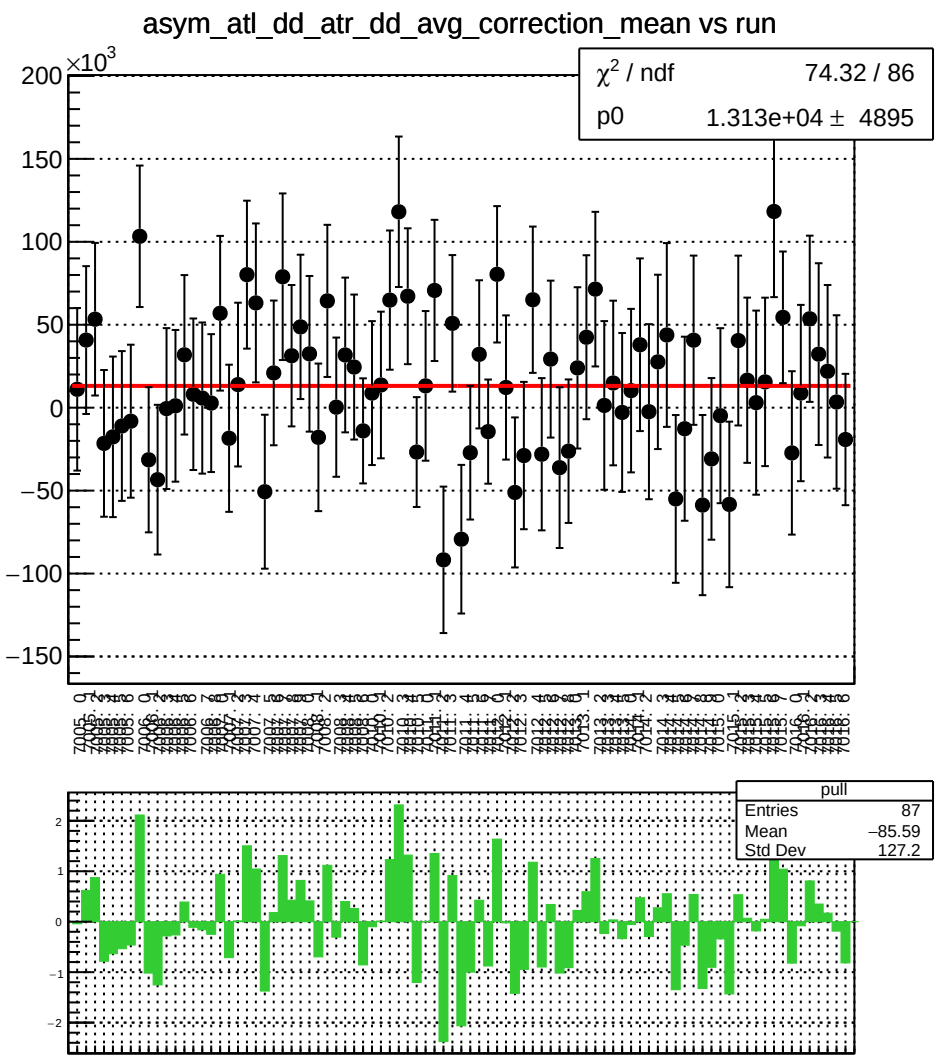

pull1D
Entries 87
Mean 0.01433
Std Dev 0.9911
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

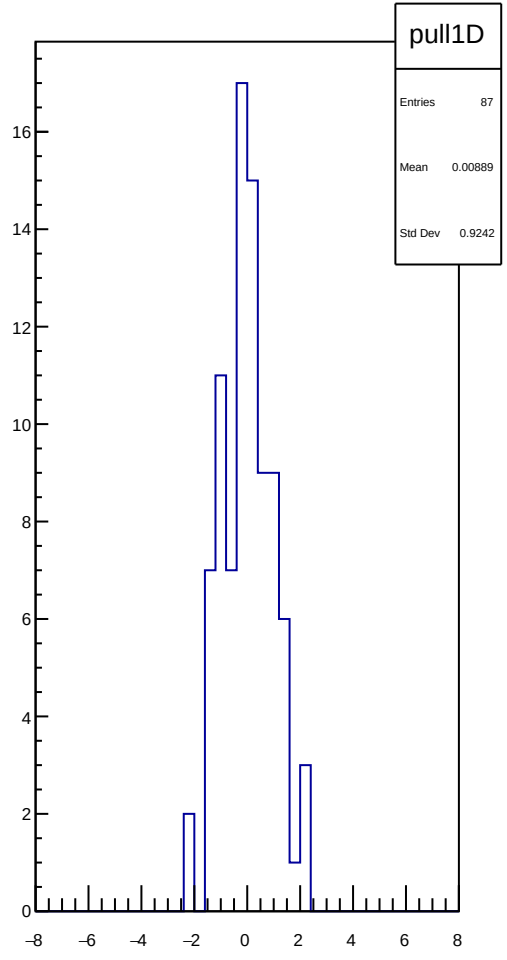

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5409 / 86
p0 1368 ± 1.065
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

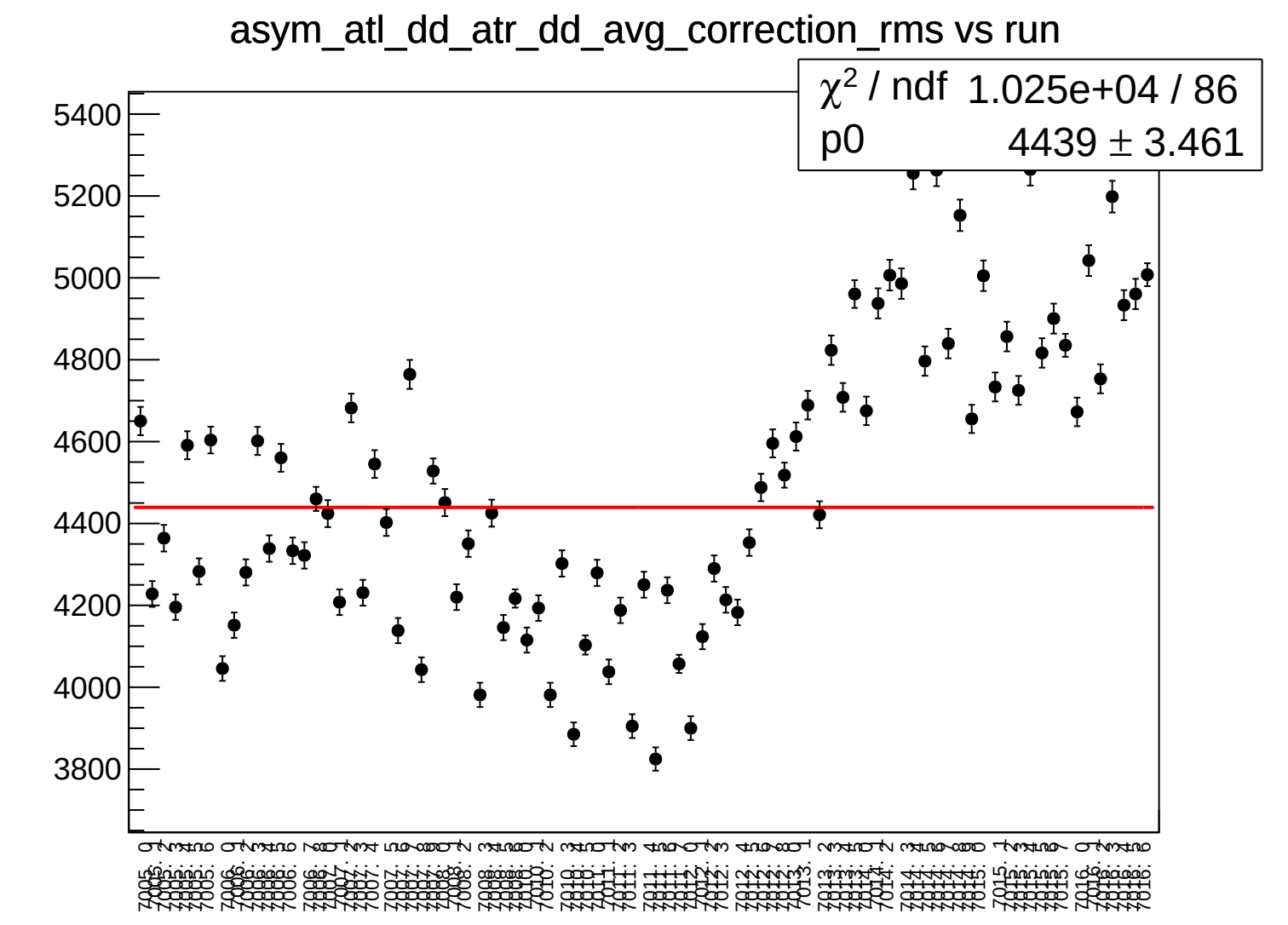

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 73.3 / 86
p0 3334 ± 1455
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 114.3
Std Dev 35.45
2
1
0
−1
−2
−3

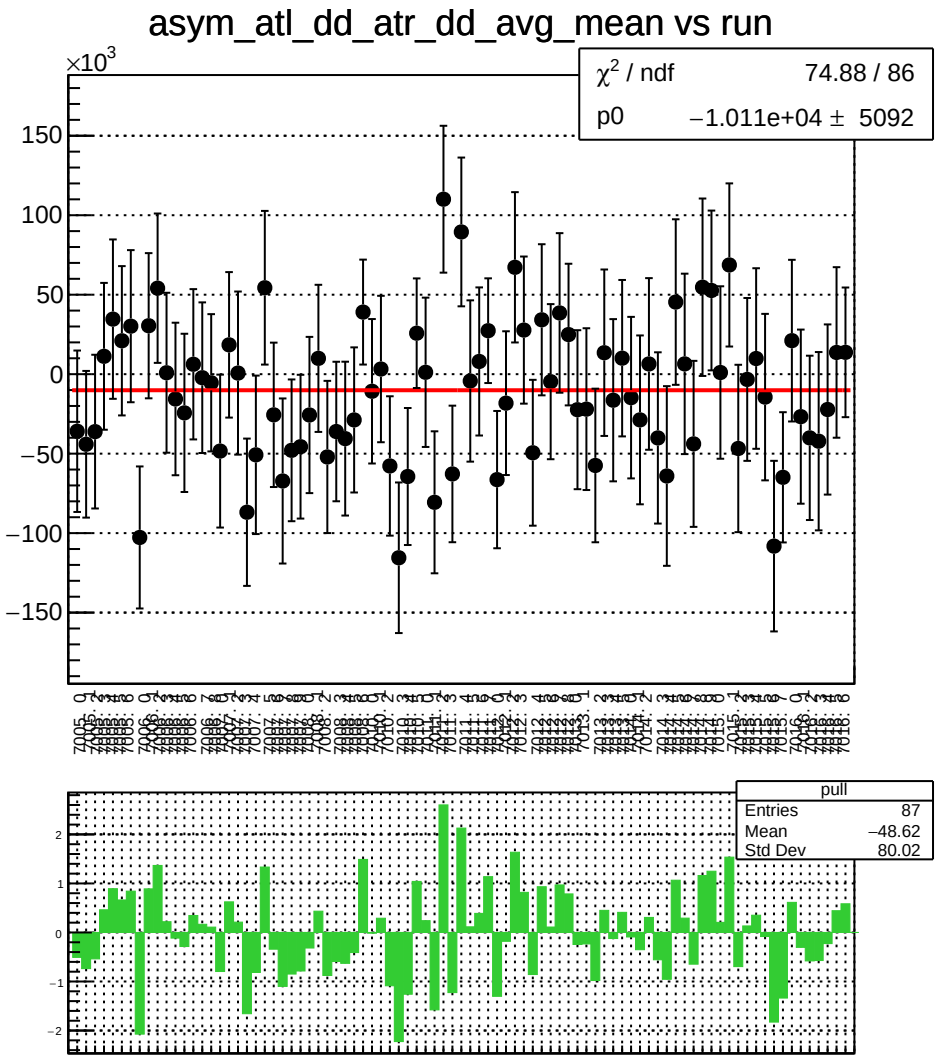

pull1D
Entries 87
Mean −0.01304
Std Dev 0.9178
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

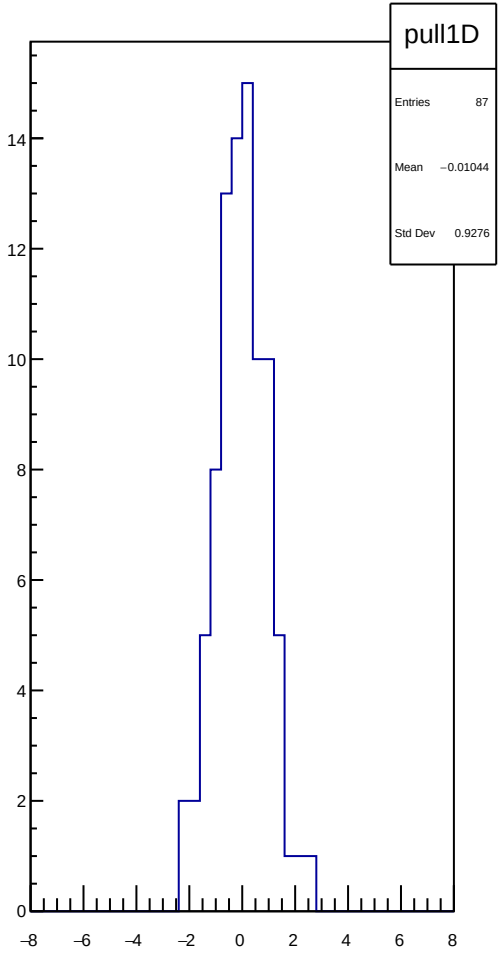

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5731 / 86
p0 1322 ± 1.029
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

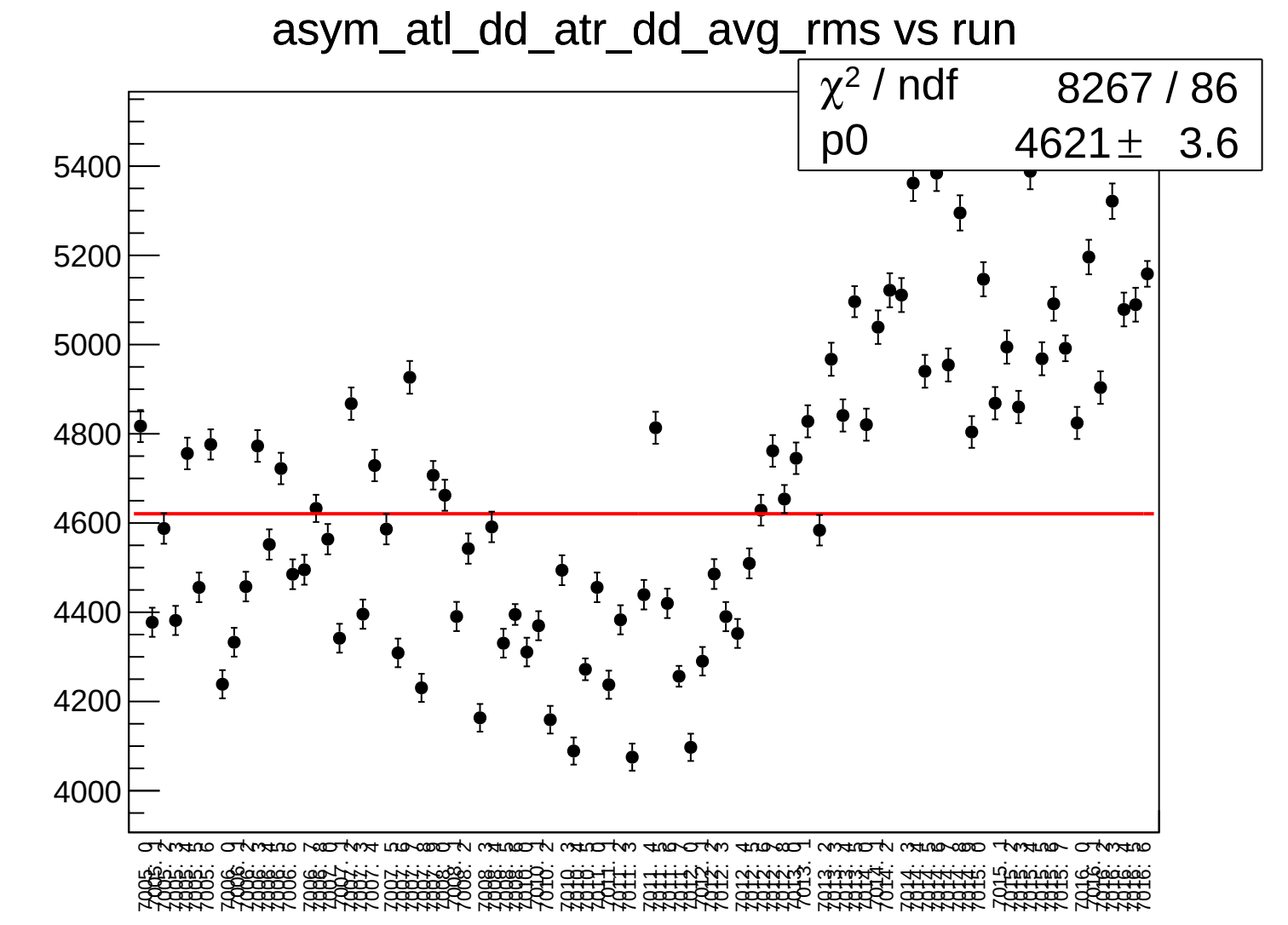

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 74.32 / 86
p0 1.313e+04 ± 4895
×10³
pull
Entries 87
Mean −85.59
Std Dev 127.2

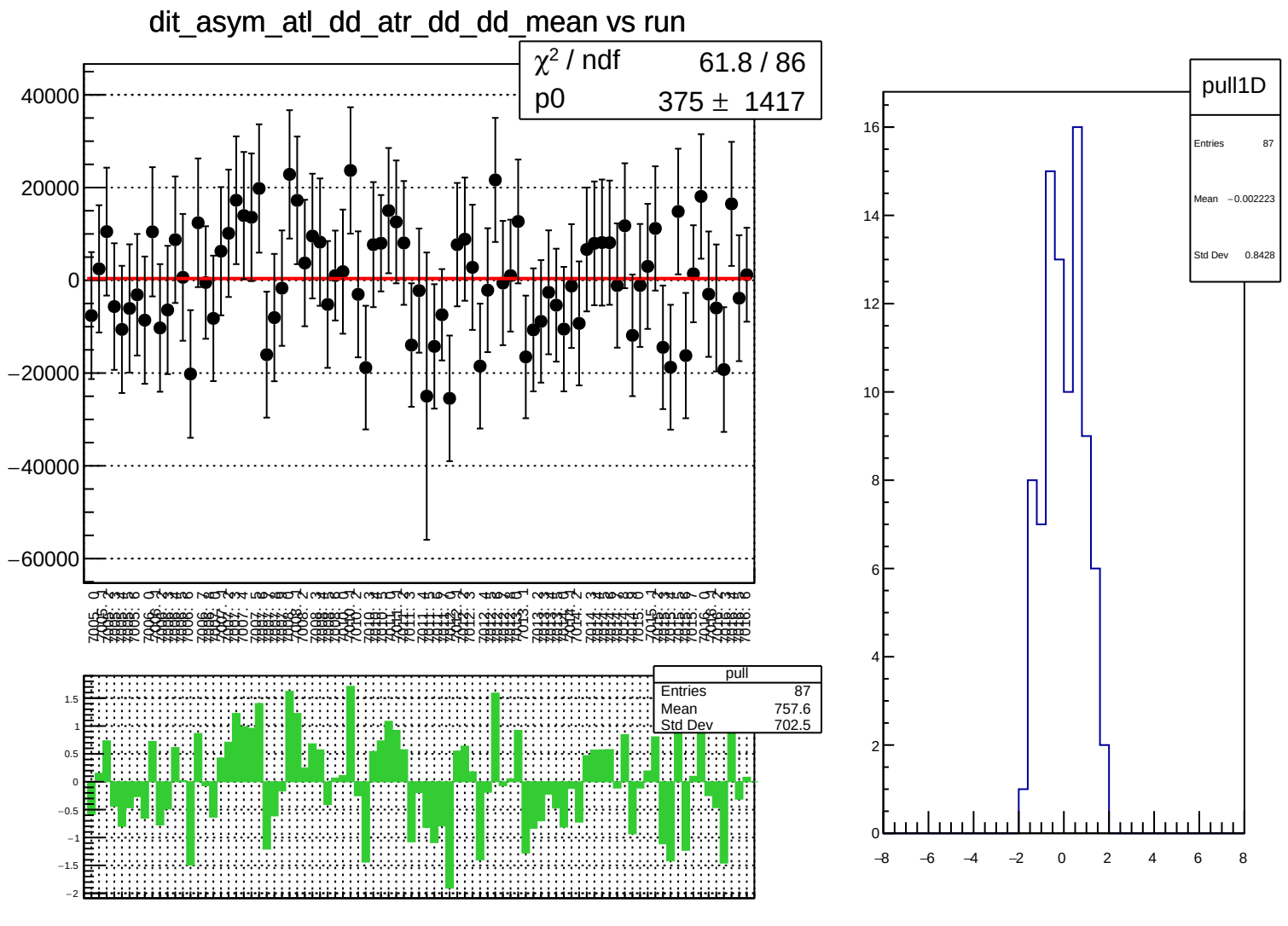

pull1D
Entries 87
Mean 0.00889
Std Dev 0.9242

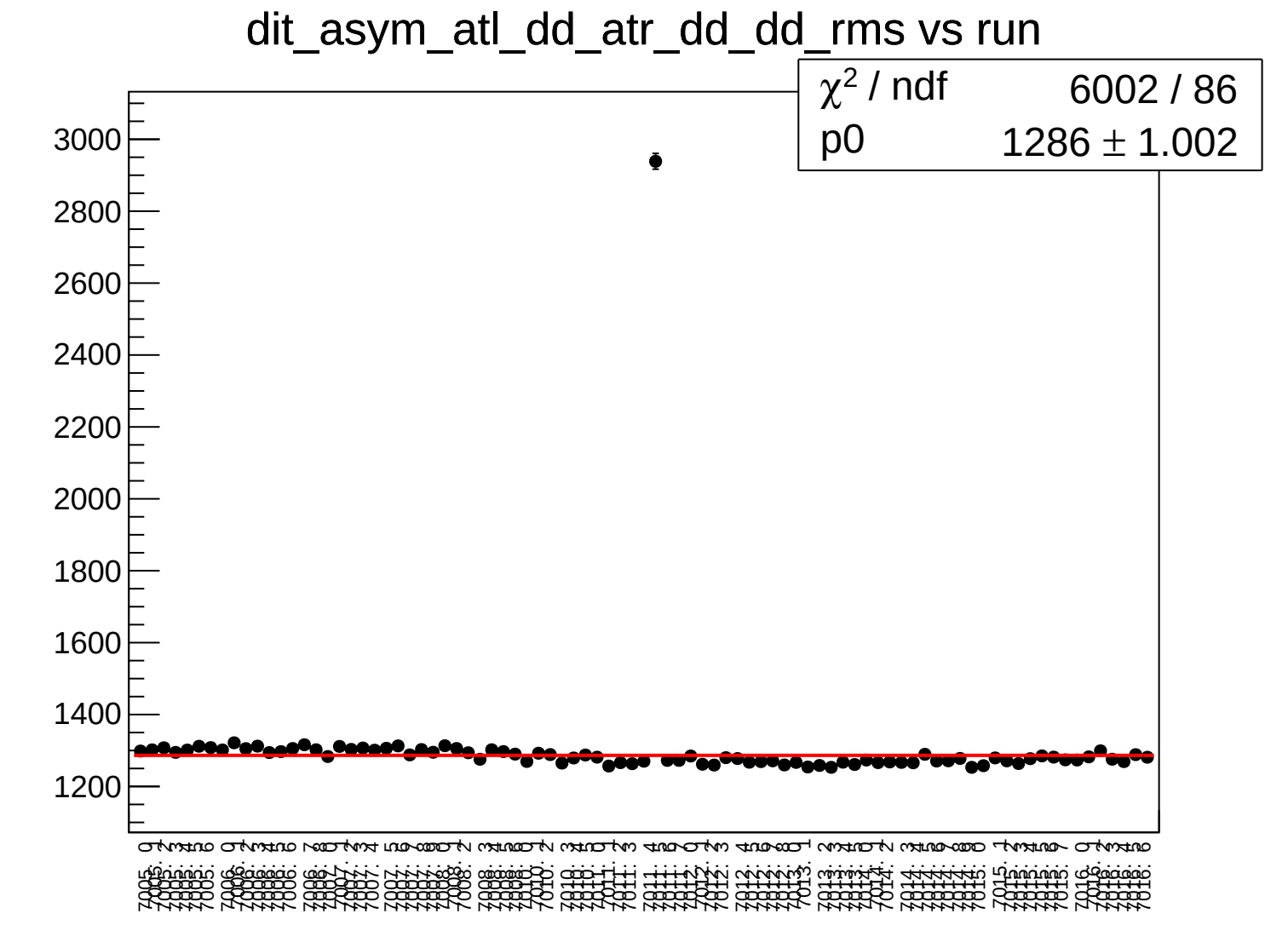

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.025e+04 / 86
p0 4439 ± 3.461
5400
5200
5000
4800
4600
4400
4200
4000
3800

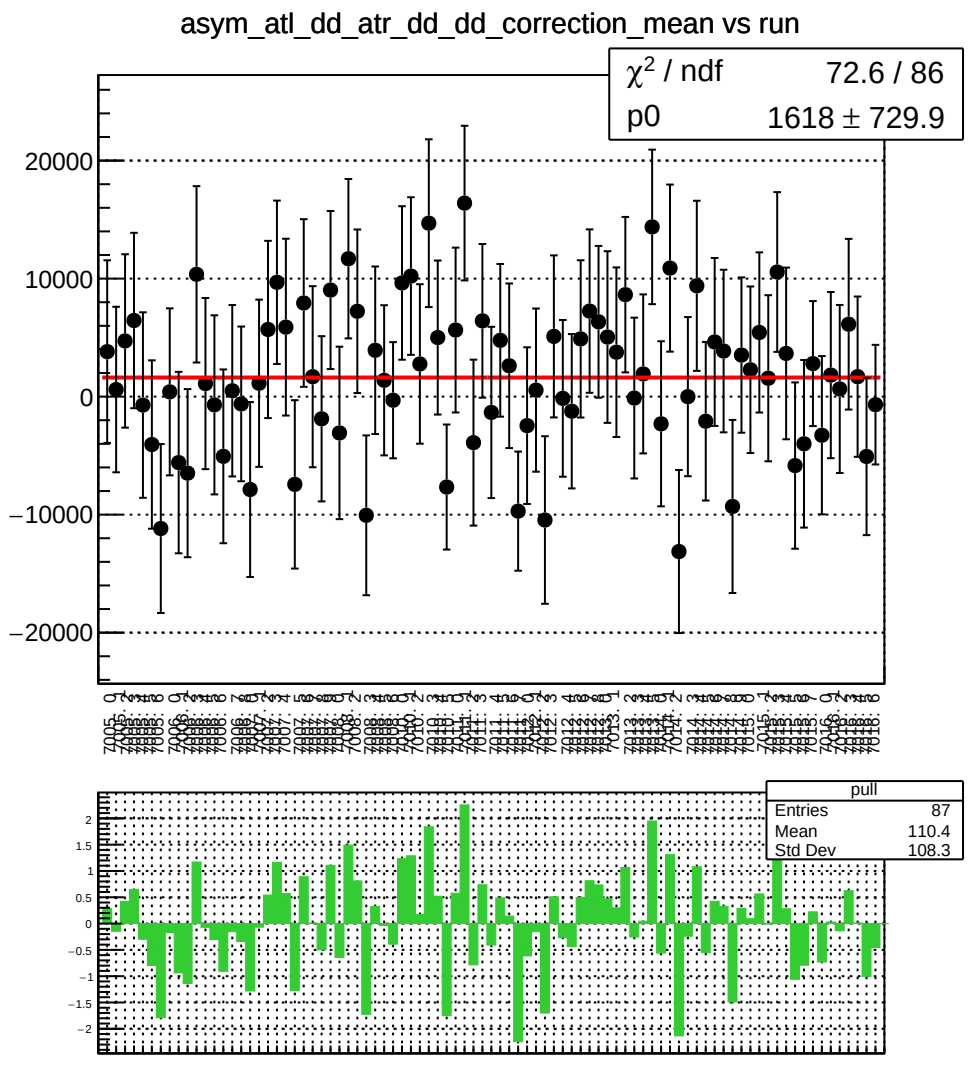

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 74.88 / 86
p0 −1.011e+04 ± 5092
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −48.62
Std Dev 80.02
2
1
0
−1
−2

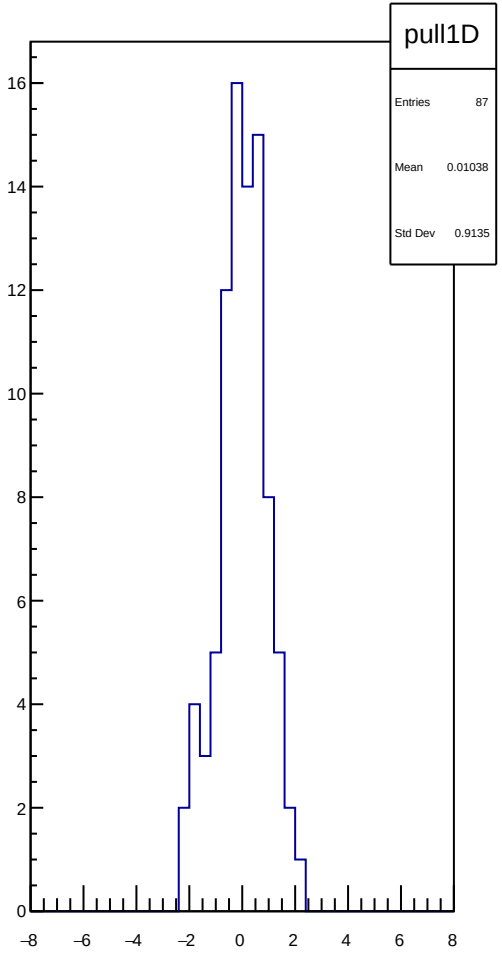

pull1D
Entries 87
Mean −0.01044
Std Dev 0.9276
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

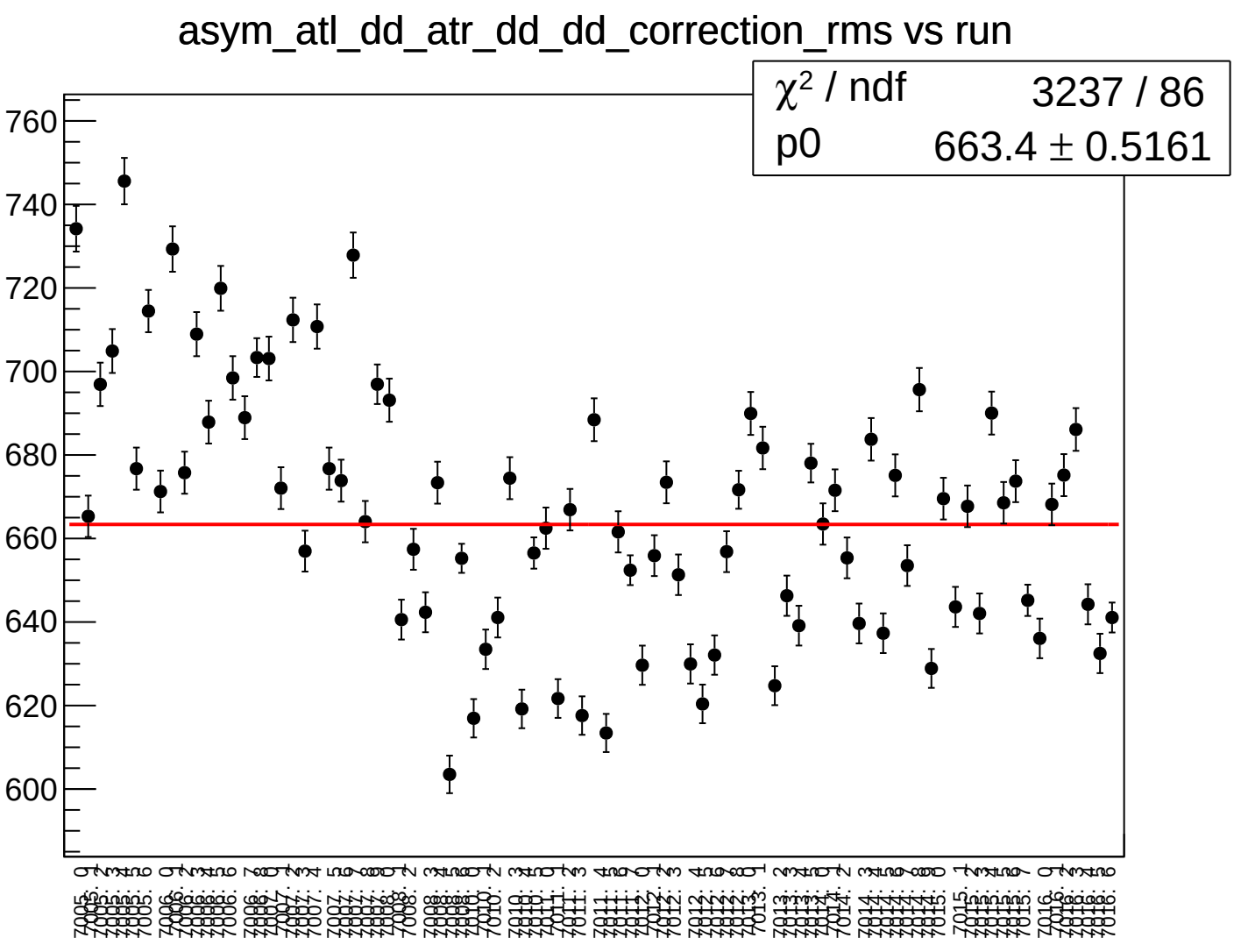

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 8267 / 86
p0 4621 ± 3.6
5400
5200
5000
4800
4600
4400
4200
4000

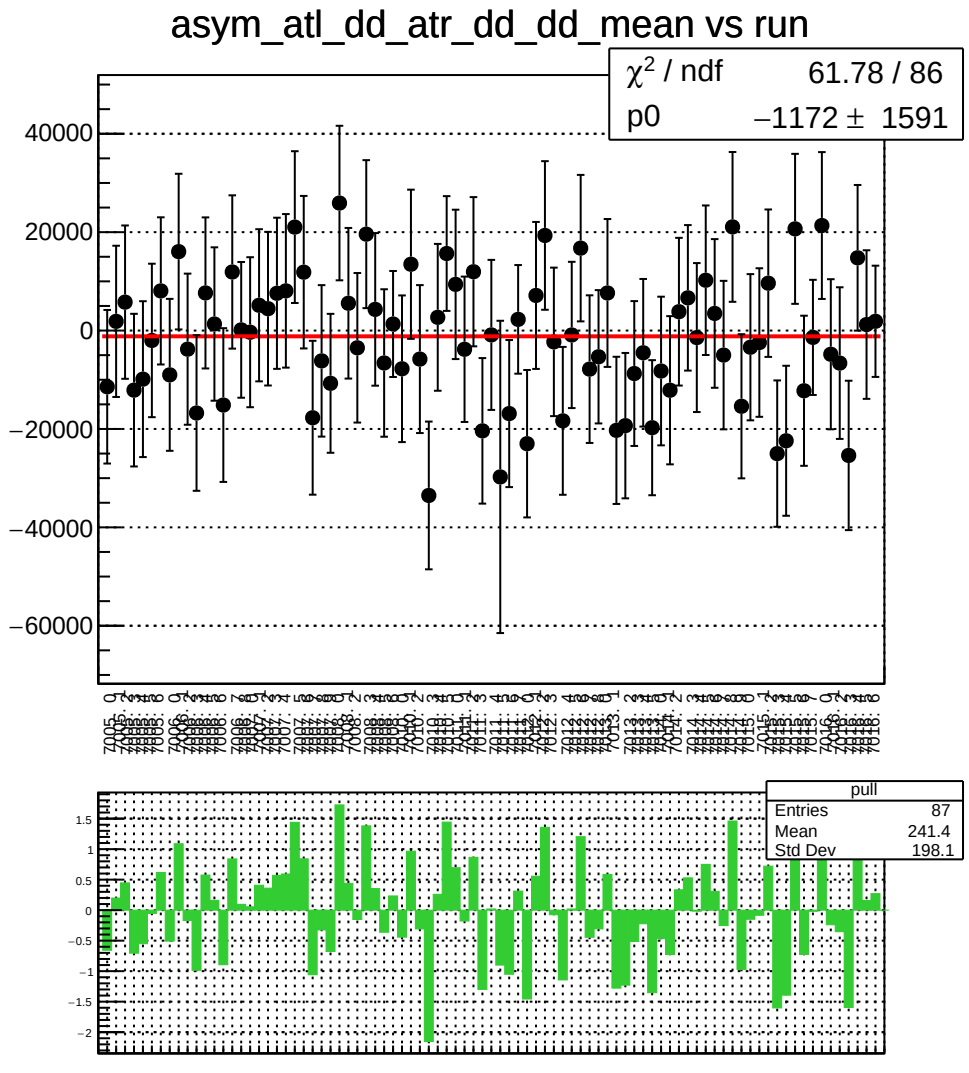

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.8 / 86
p0 375 ± 1417
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 757.6
Std Dev 702.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.002223
Std Dev 0.8428
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

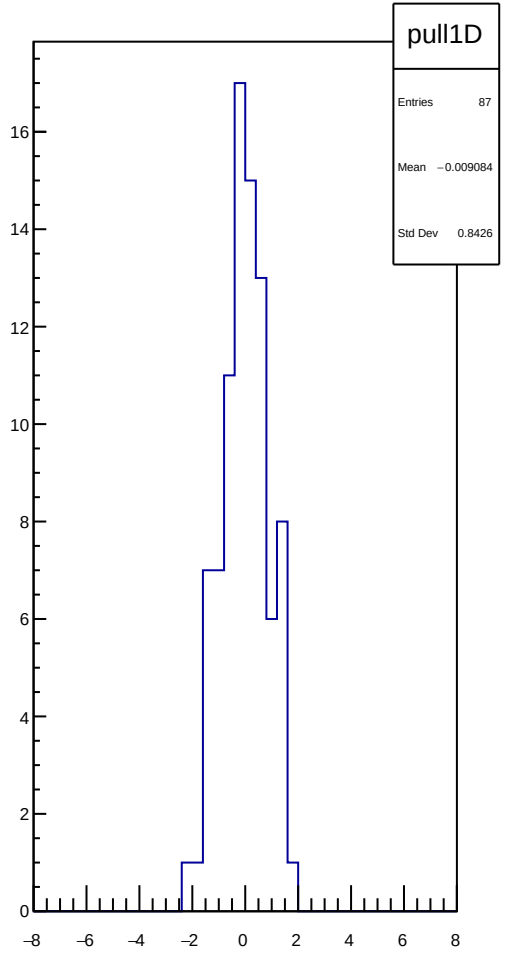

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6002 / 86
p0 1286 ± 1.002
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

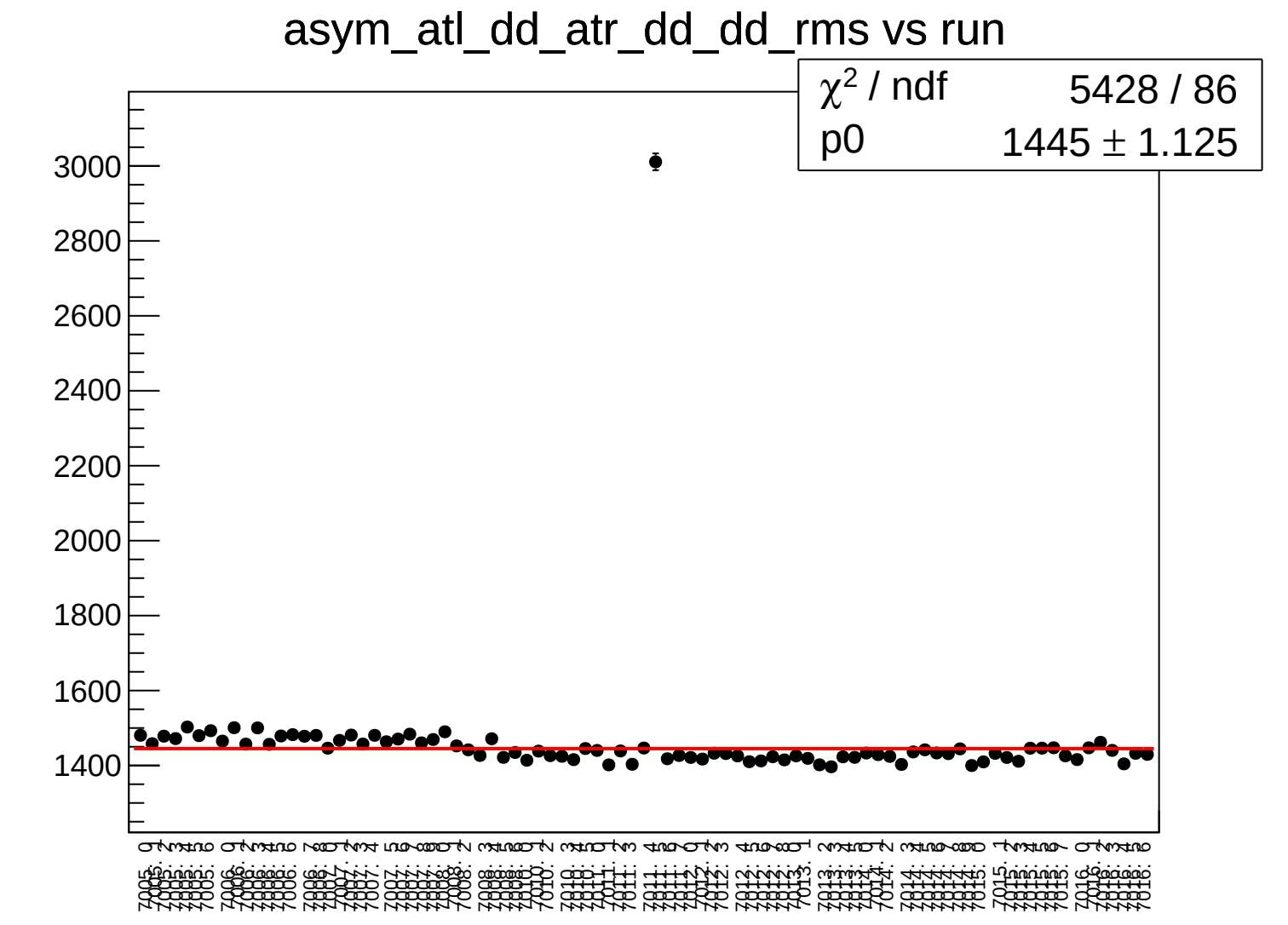

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 72.6 / 86
p0 1618 ± 729.9
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 110.4
Std Dev 108.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

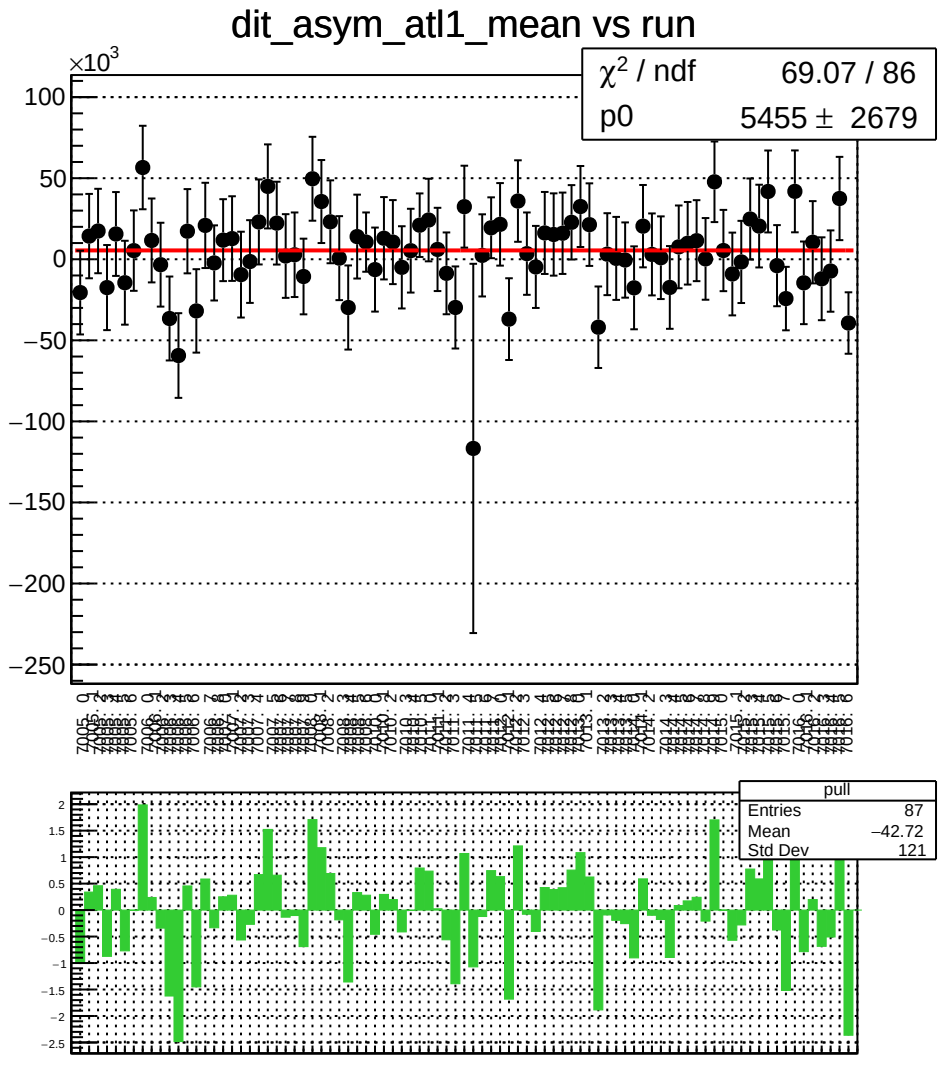

pull1D
Entries 87
Mean 0.01038
Std Dev 0.9135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

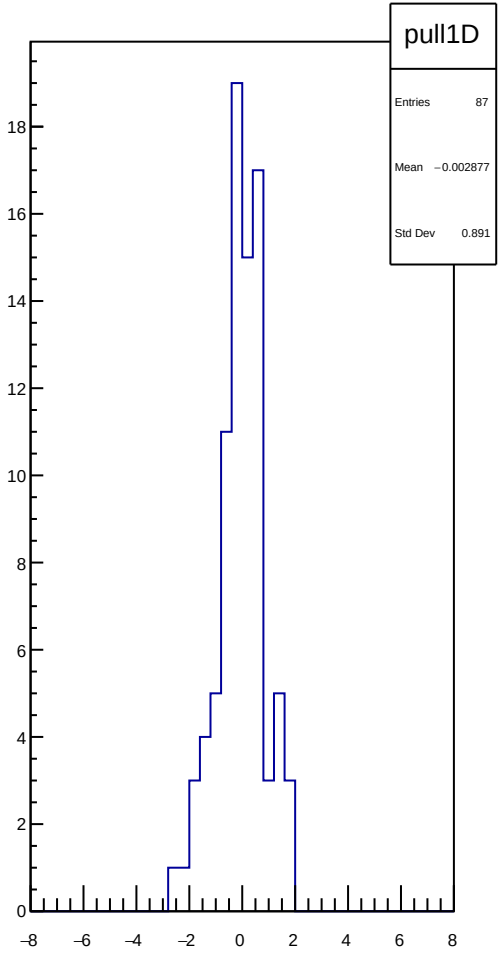

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3237 / 86
p0 663.4 ± 0.5161
760
740
720
700
680
660
640
620
600

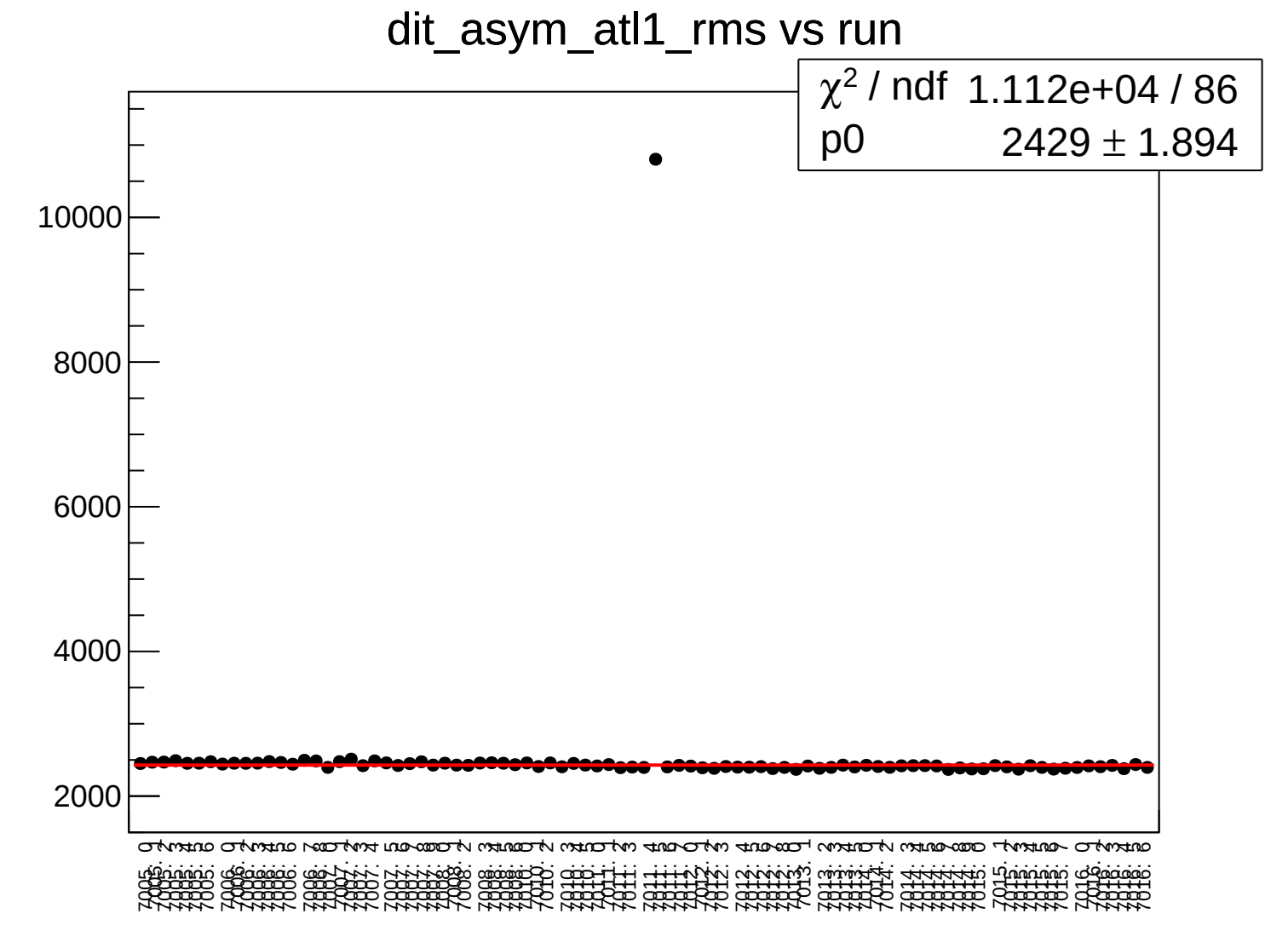

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.78 / 86
p0 −1172 ± 1591
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 241.4
Std Dev 198.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

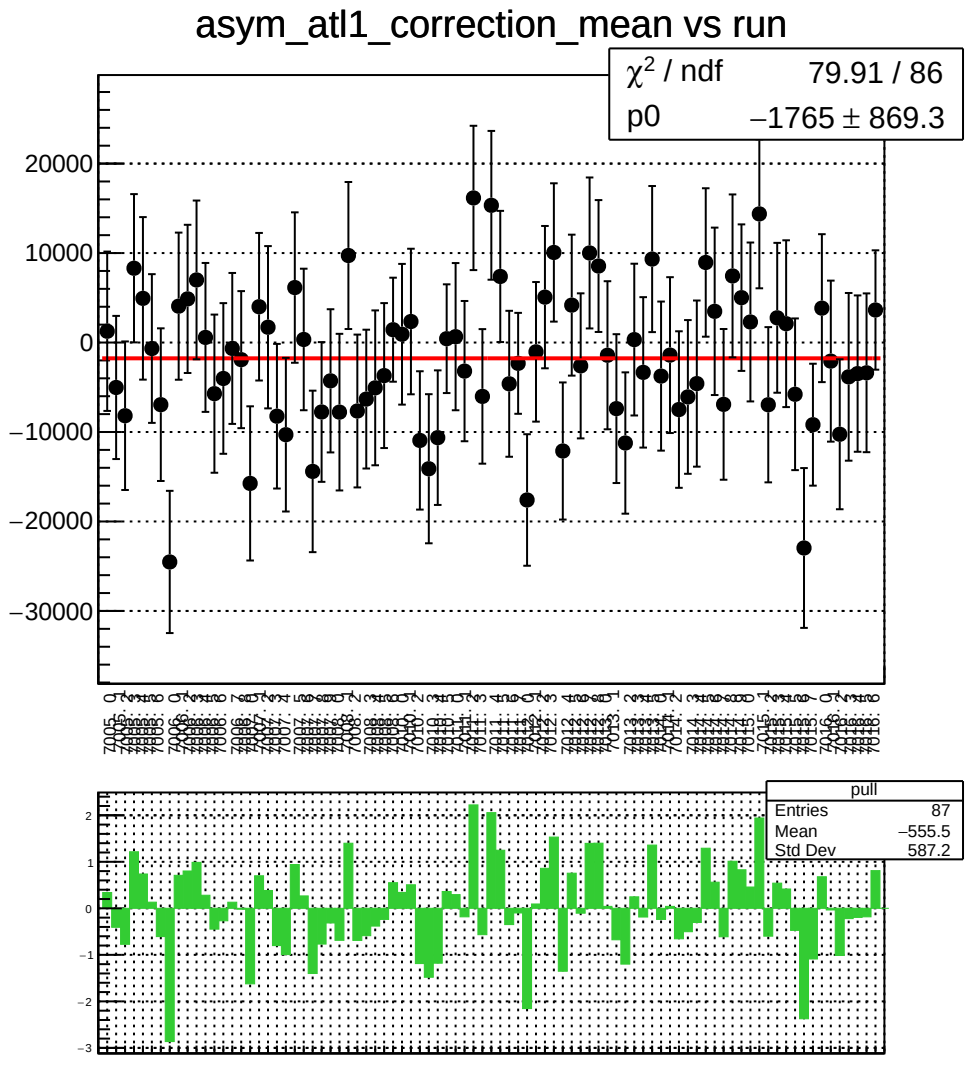

pull1D
Entries 87
Mean −0.009084
Std Dev 0.8426
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

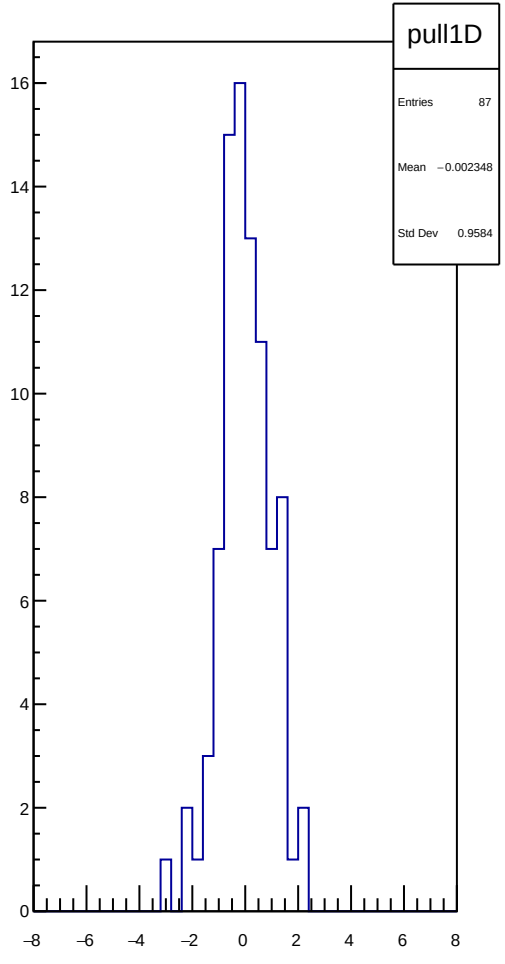

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5428 / 86
p0 1445 ± 1.125
3000
2800
2600
2400
2200
2000
1800
1600
1400

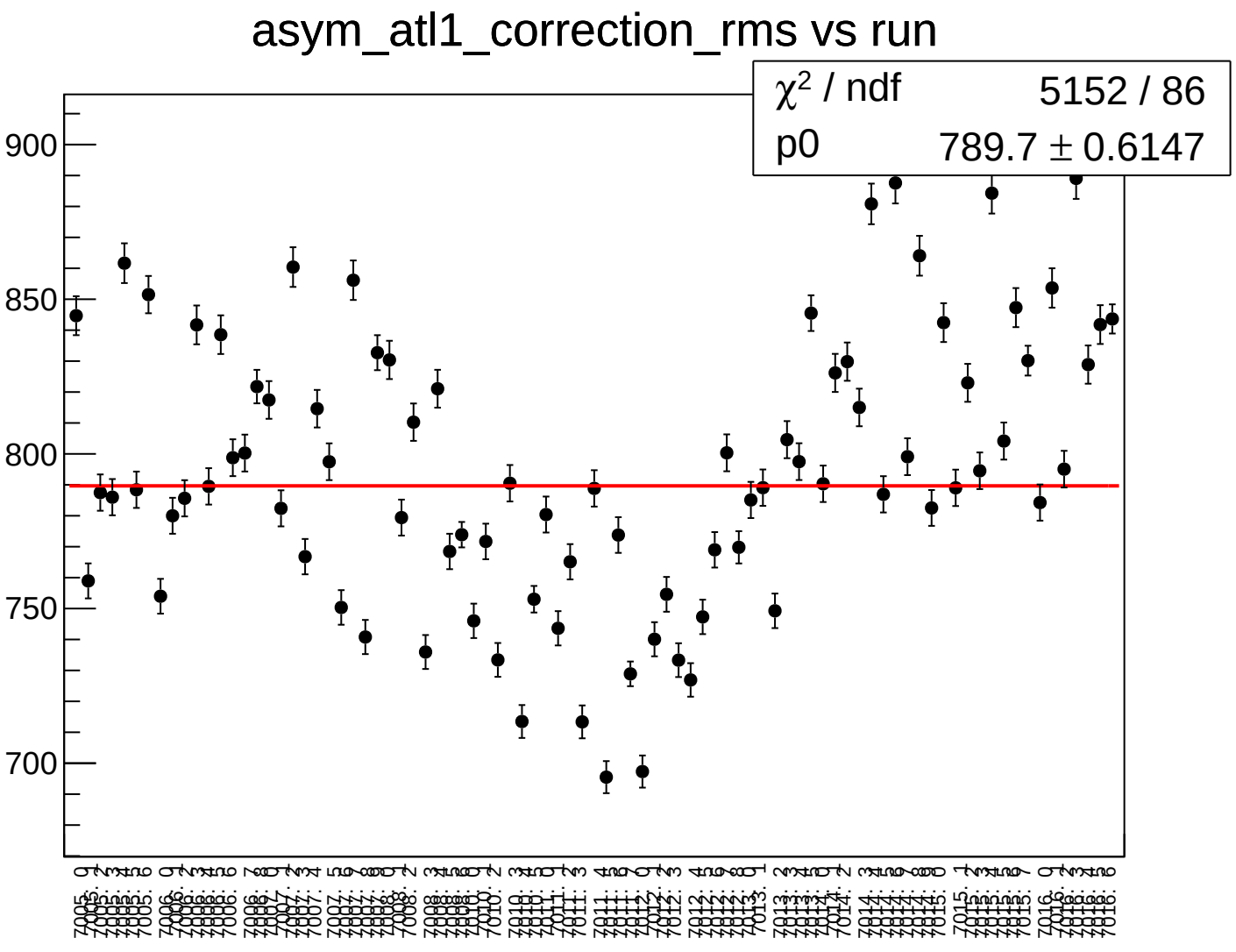

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 69.07 / 86
p0 5455 ± 2679
pull
Entries 87
Mean −42.72
Std Dev 121

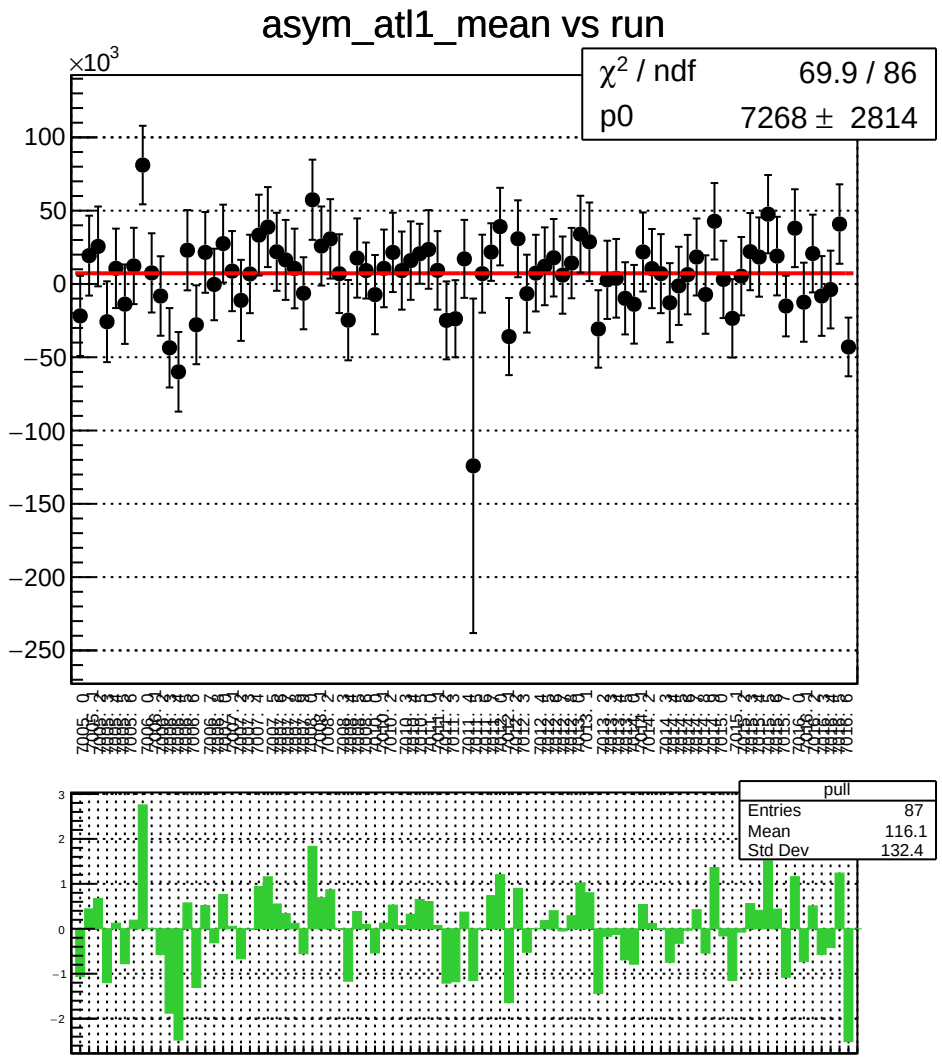

pull1D
Entries 87
Mean −0.002877
Std Dev 0.891

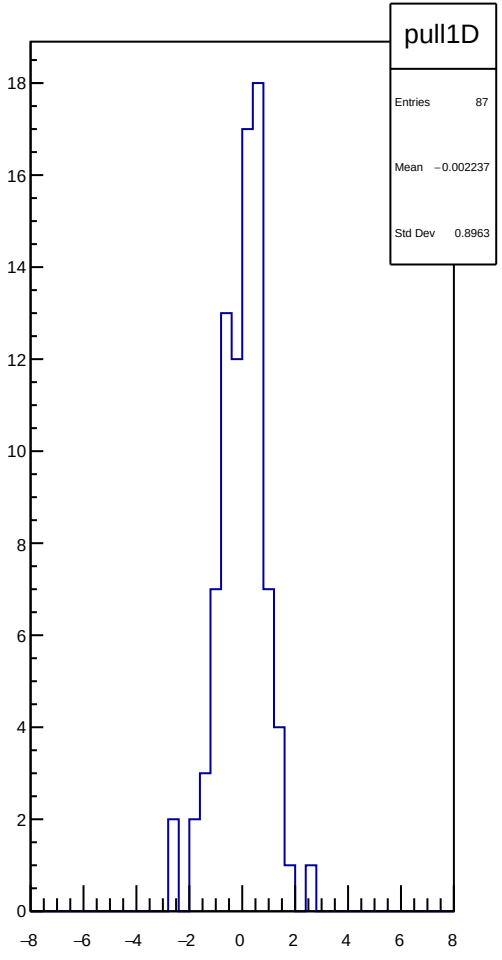

dit_asym_atl1_rms vs run
χ² / ndf 1.112e+04 / 86
p0 2429 ± 1.894
10000
8000
6000
4000
2000

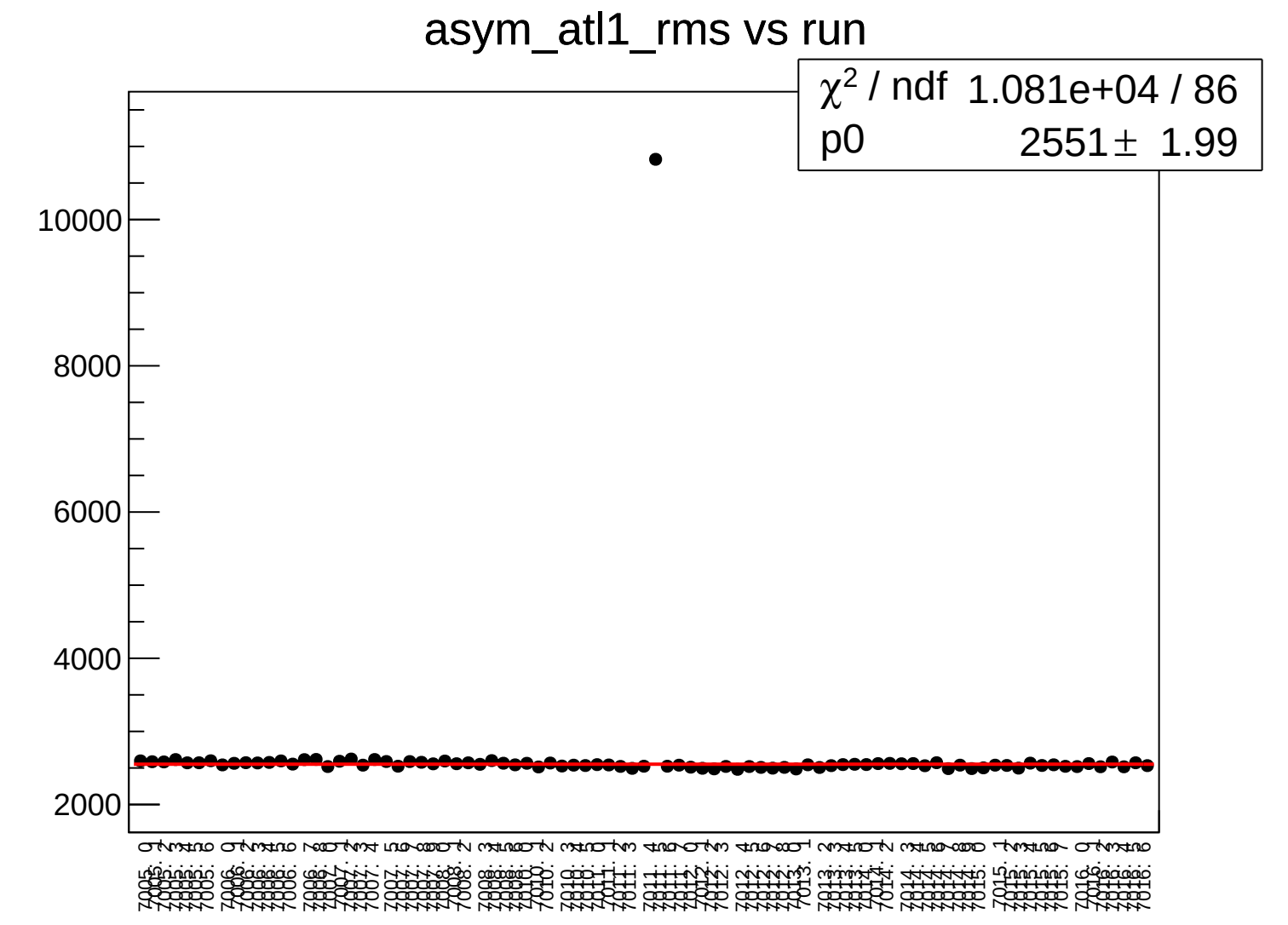

asym_atl1_correction_mean vs run
χ² / ndf 79.91 / 86
p0 −1765 ± 869.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −555.5
Std Dev 587.2
2
1
0
−1
−2
−3

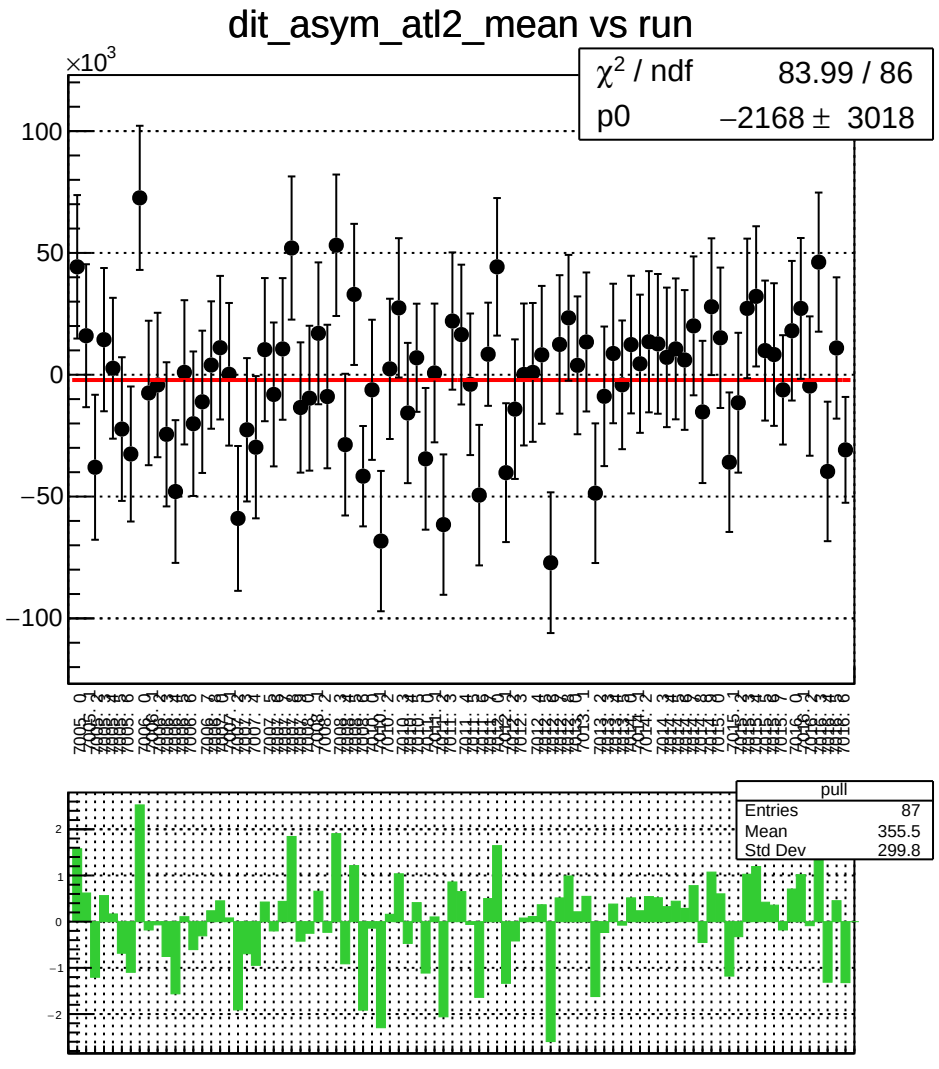

pull1D
Entries 87
Mean −0.002348
Std Dev 0.9584
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

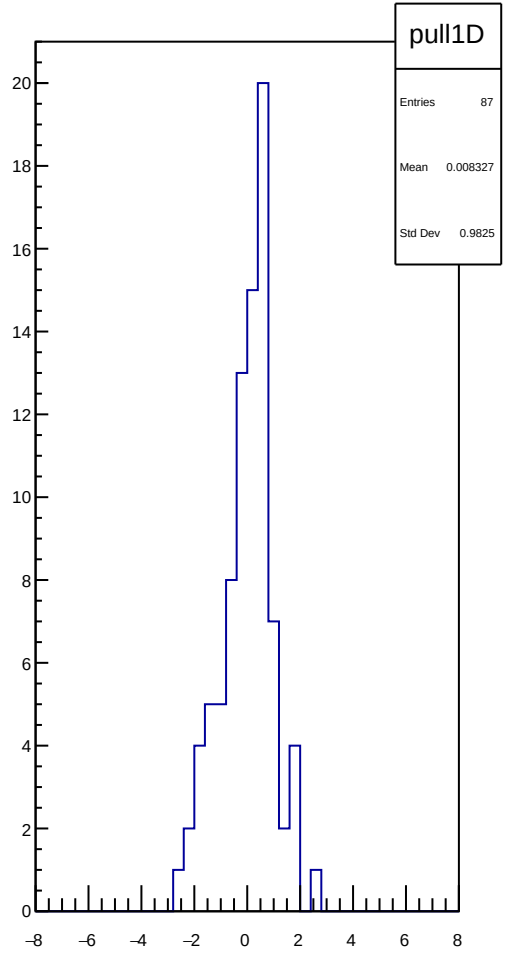

asym_atl1_correction_rms vs run
χ² / ndf 5152 / 86
p0 789.7 ± 0.6147
900
850
800
750
700

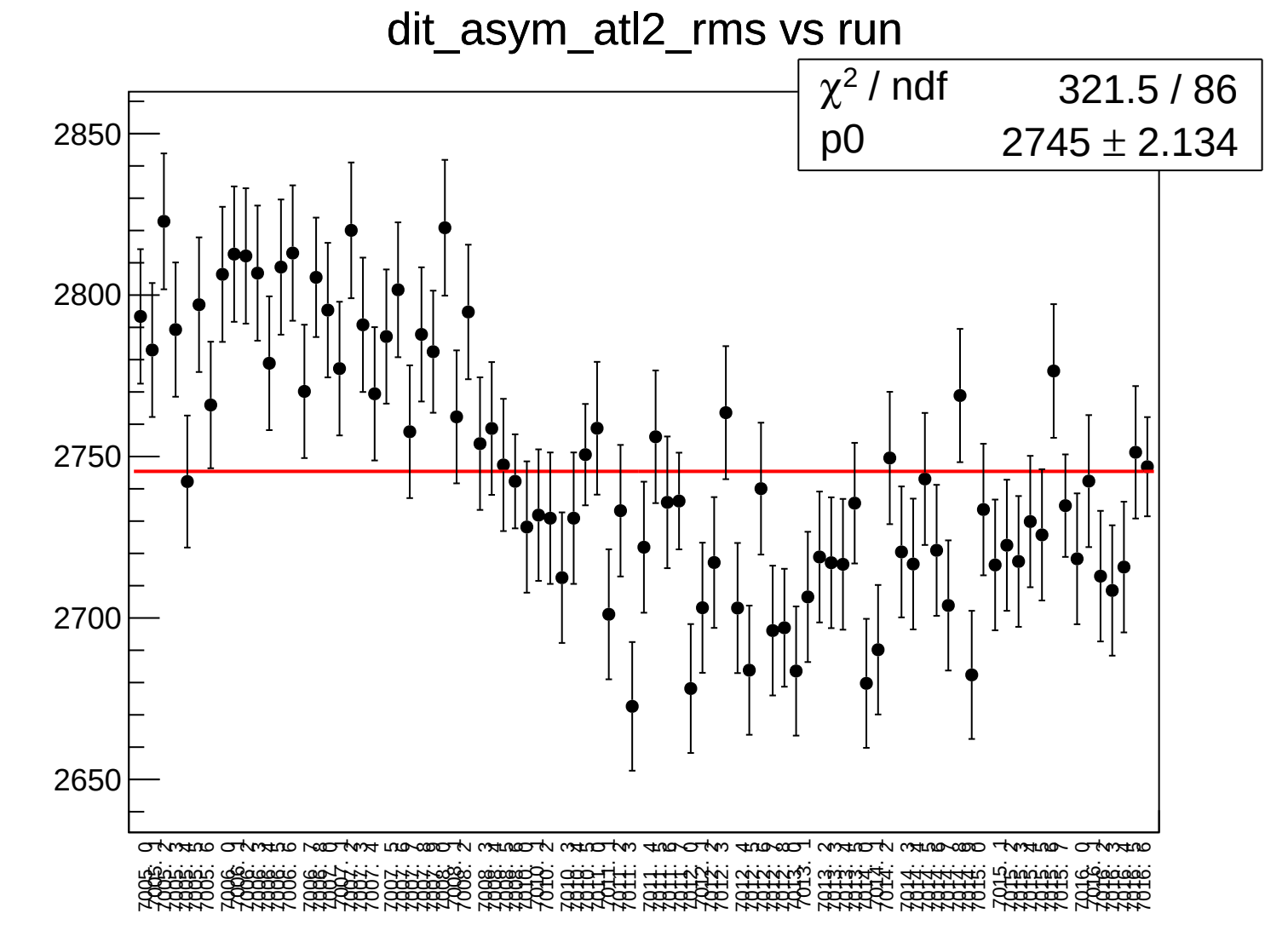

asym_atl1_mean vs run
×10^3
χ^2 / ndf 69.9 / 86
p0 7268 ± 2814
100
50
0
−50
−100
−150
−200
−250
pull
Entries 87
Mean 116.1
Std Dev 132.4
3
2
1
0
−1
−2

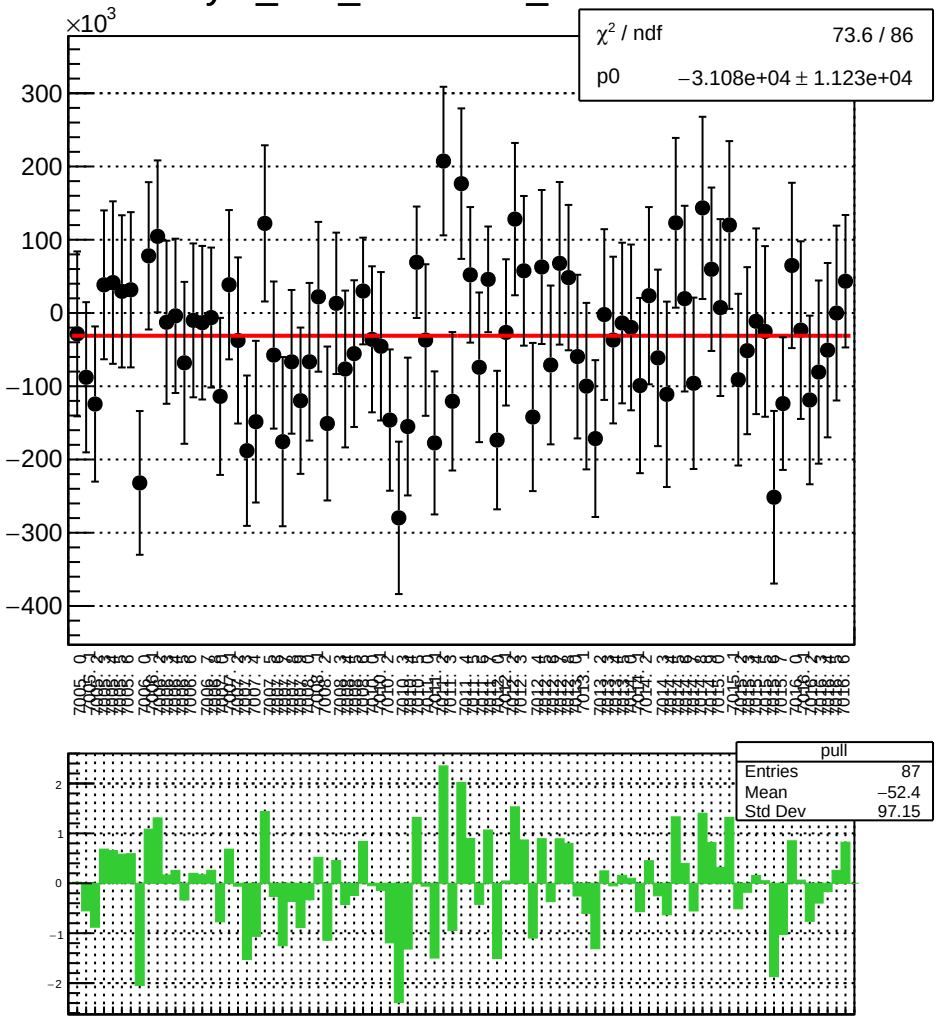

pull1D
Entries 87
Mean −0.002237
Std Dev 0.8963
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

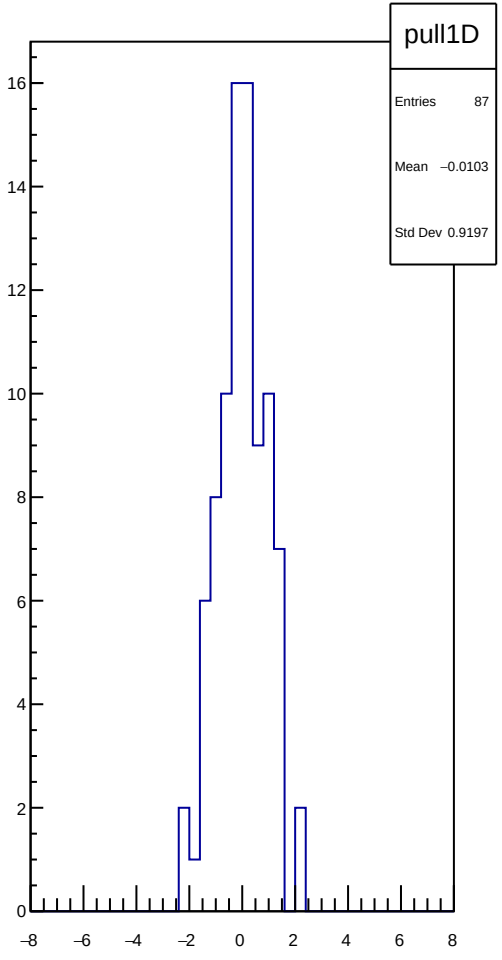

asym_atl1_rms vs run
χ² / ndf 1.081e+04 / 86
p0 2551 ± 1.99
10000
8000
6000
4000
2000

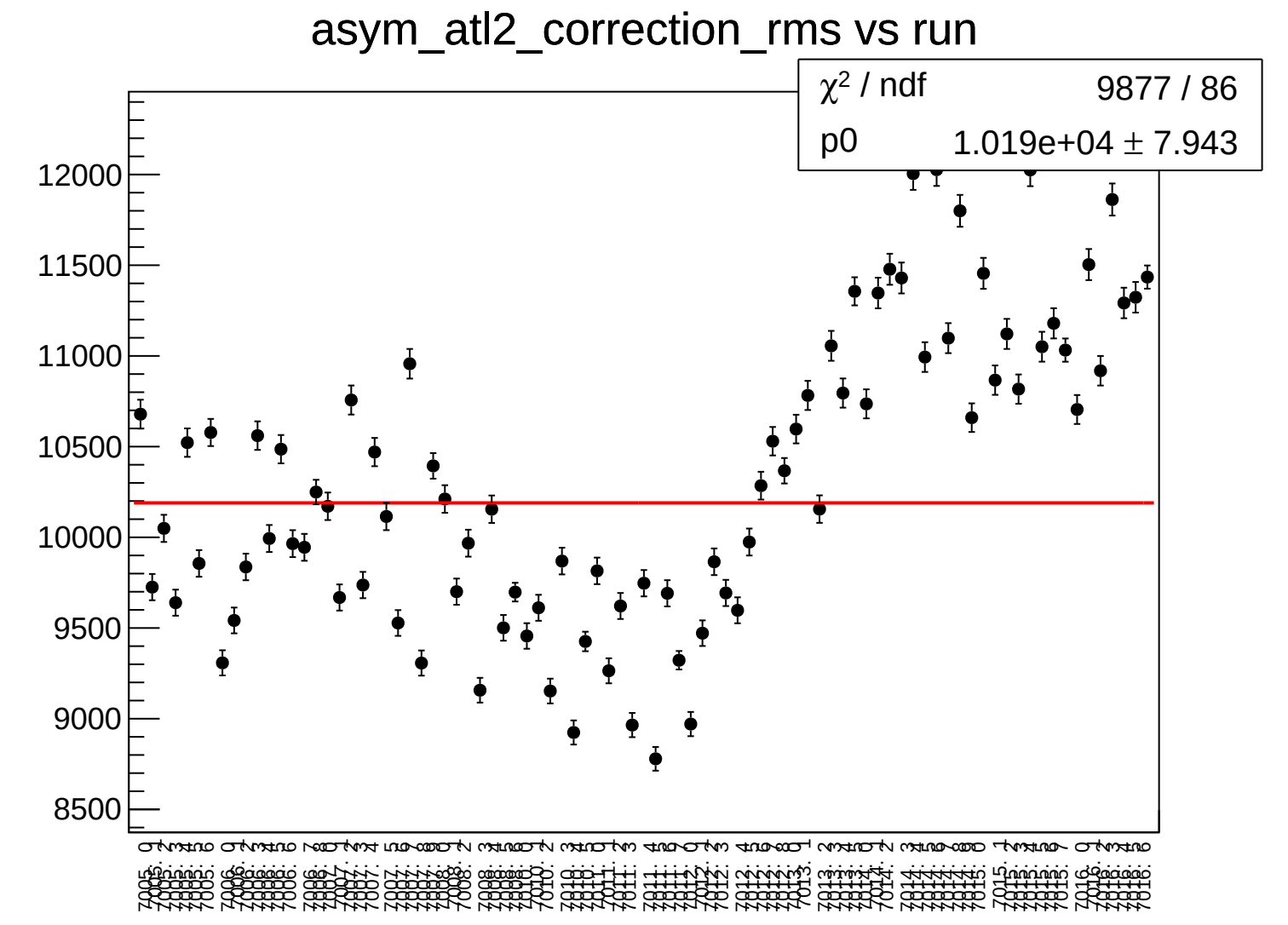

dit_asym_atl2_mean vs run
χ^2 / ndf 83.99 / 86
p0 −2168 ± 3018
×10^3
100
50
0
−50
−100
pull
Entries 87
Mean 355.5
Std Dev 299.8
2
1
0
−1
−2

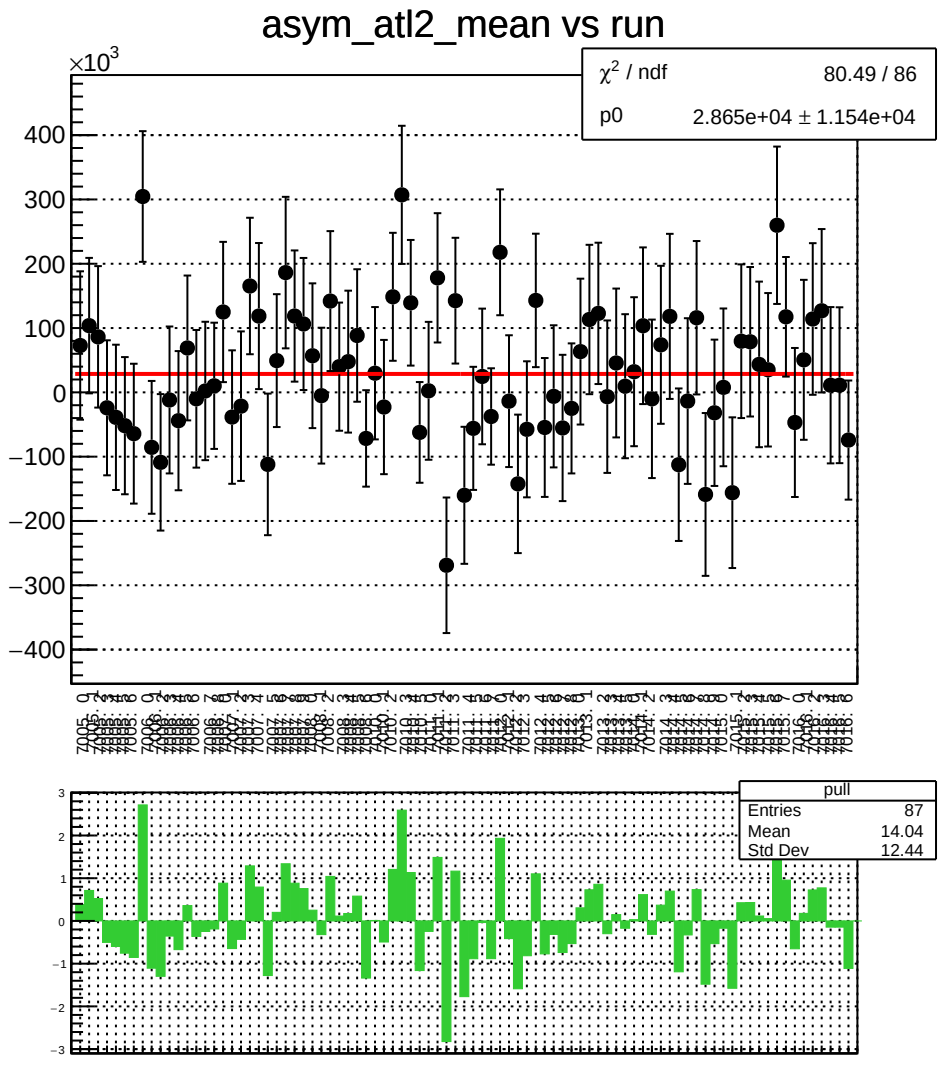

pull1D
Entries 87
Mean 0.008327
Std Dev 0.9825
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

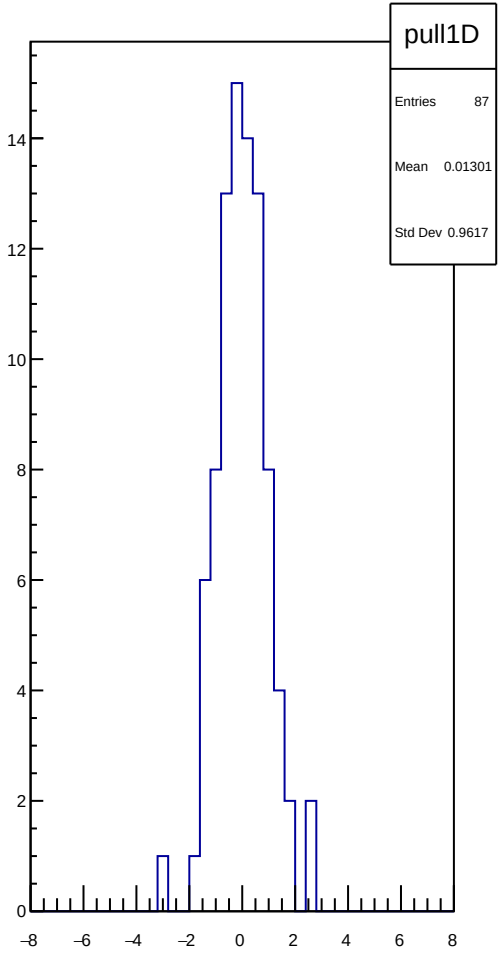

dit_asym_atl2_rms vs run
χ² / ndf 321.5 / 86
p0 2745 ± 2.134
2850
2800
2750
2700
2650

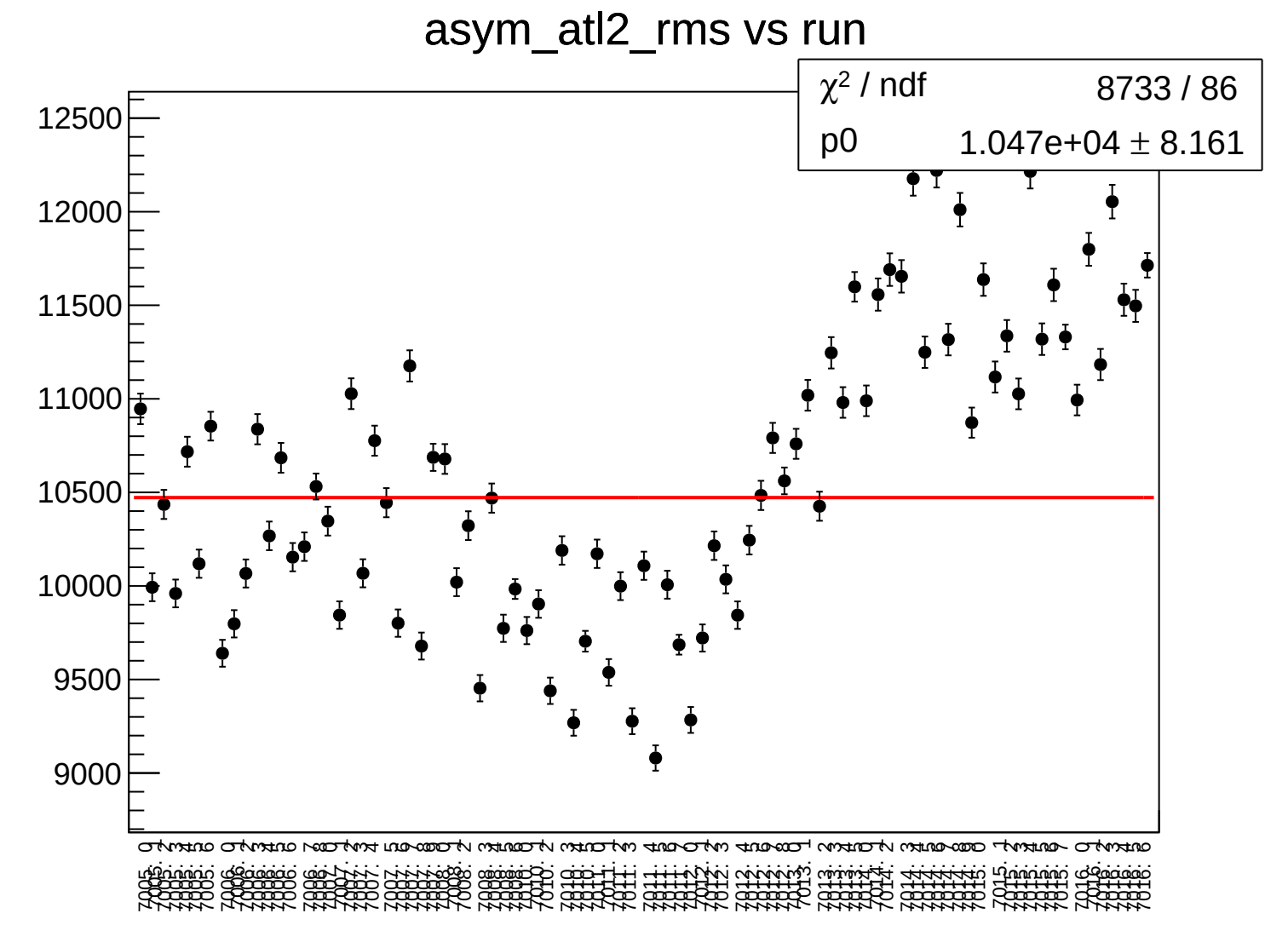

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 73.6 / 86
p0 −3.108e+04 ± 1.123e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 87
Mean −52.4
Std Dev 97.15
2
1
0
−1
−2

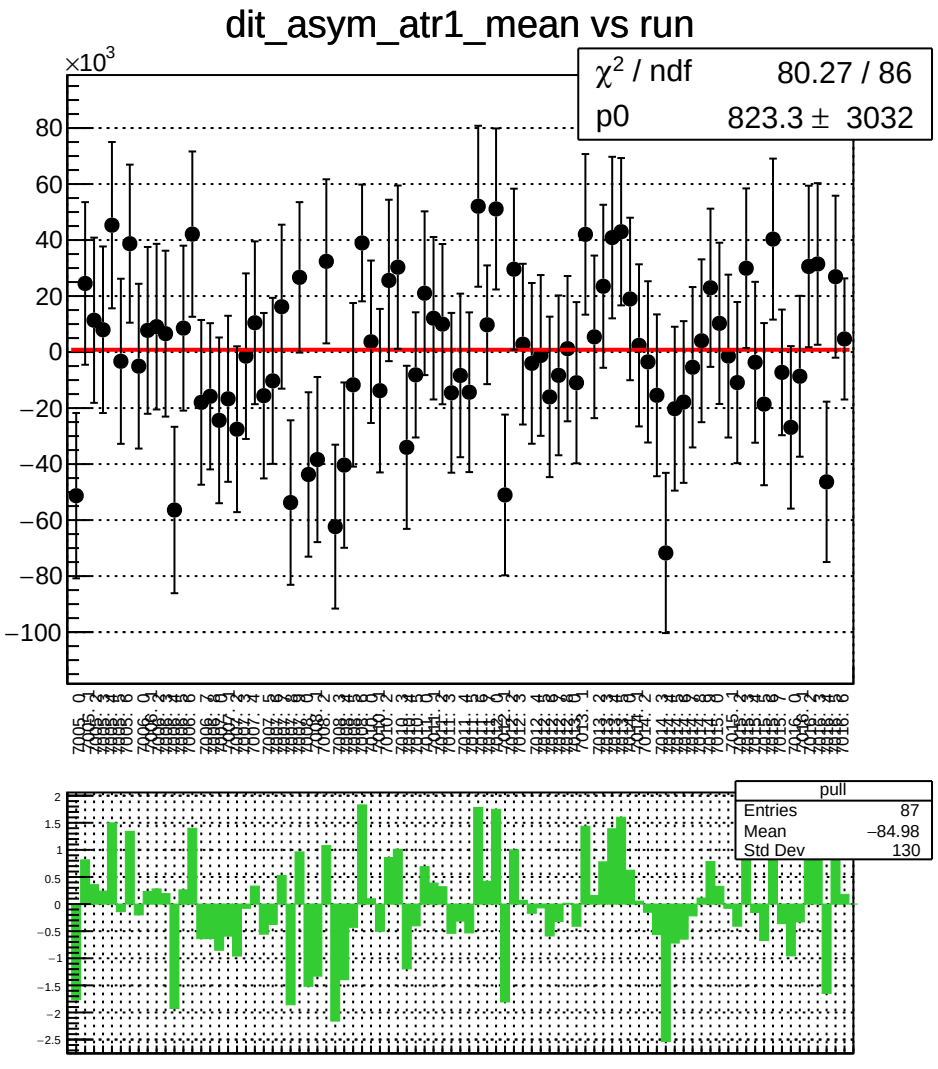

pull1D
Entries 87
Mean −0.0103
Std Dev 0.9197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

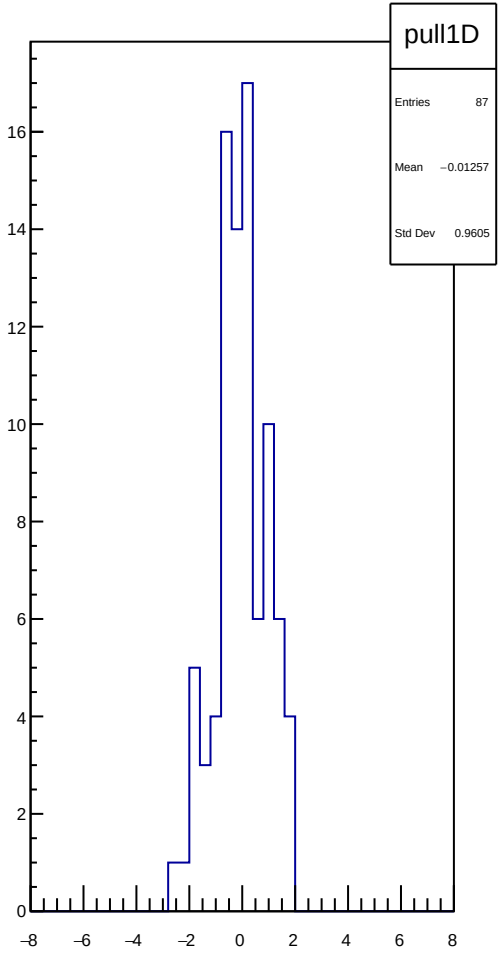

asym_atl2_correction_rms vs run
χ² / ndf 9877 / 86
p0 1.019e+04 ± 7.943
12000
11500
11000
10500
10000
9500
9000
8500

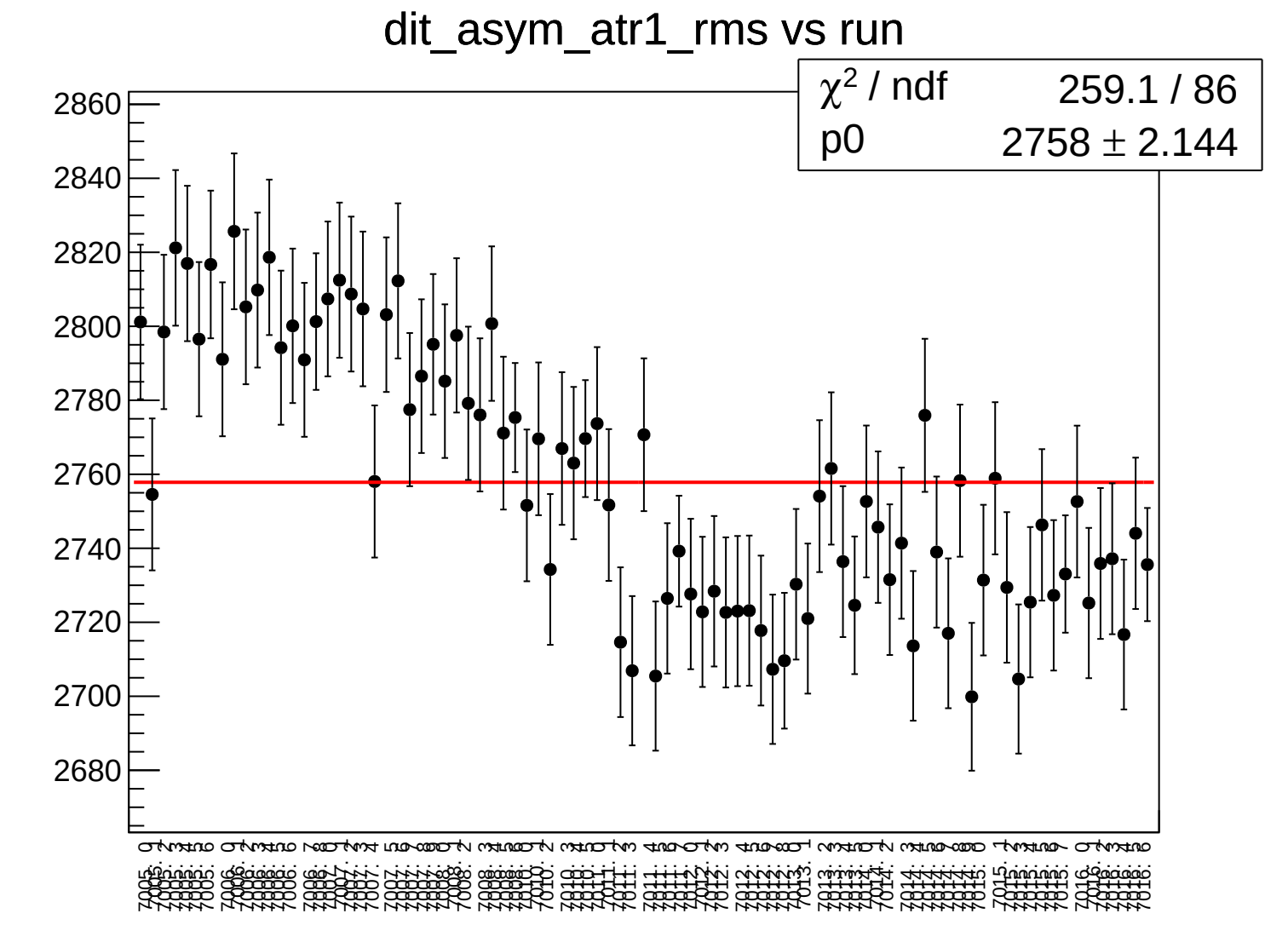

asym_atl2_mean vs run
×10^3
χ² / ndf 80.49 / 86
p0 2.865e+04 ± 1.154e+04
pull
Entries 87
Mean 14.04
Std Dev 12.44

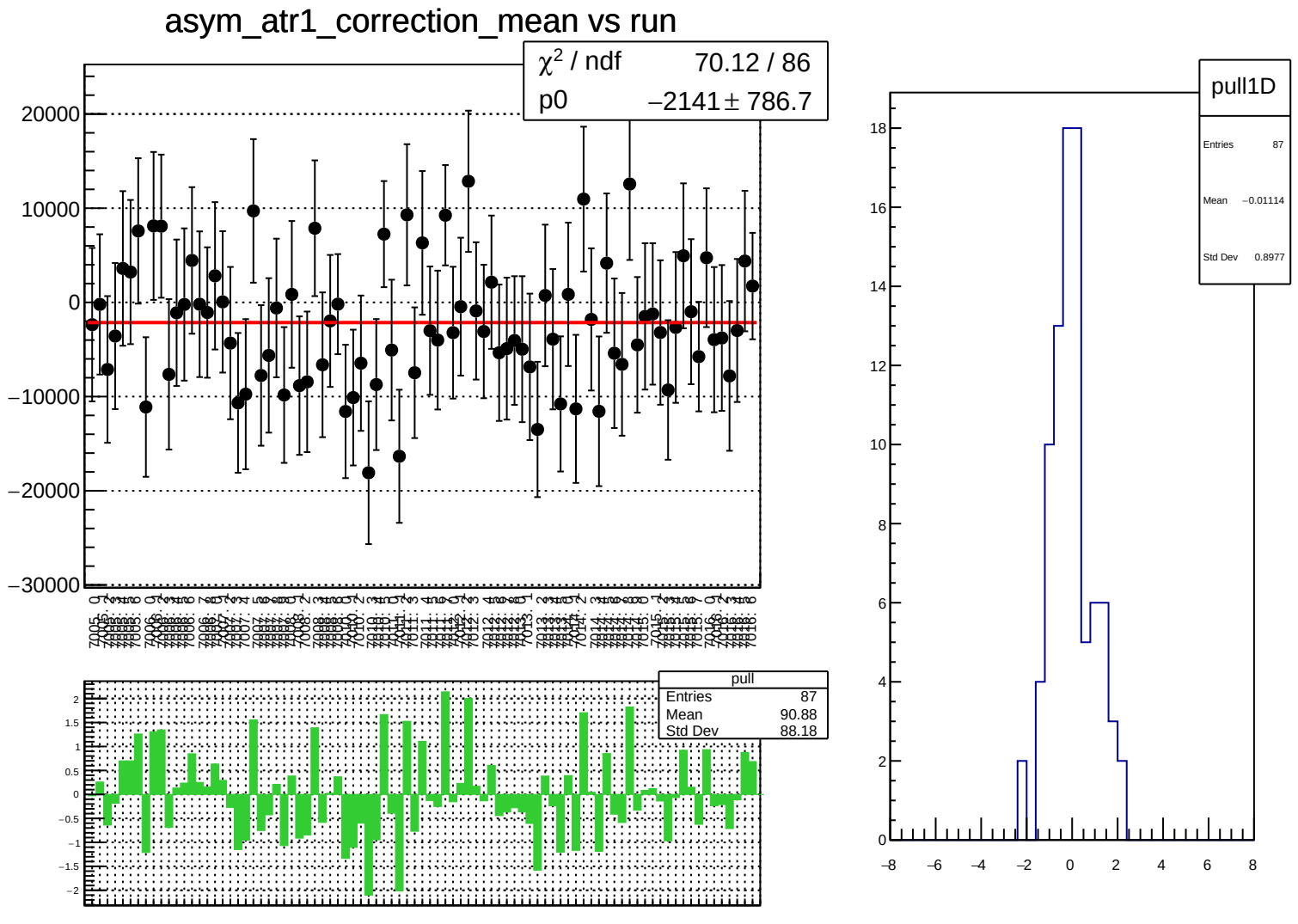

pull1D
Entries 87
Mean 0.01301
Std Dev 0.9617

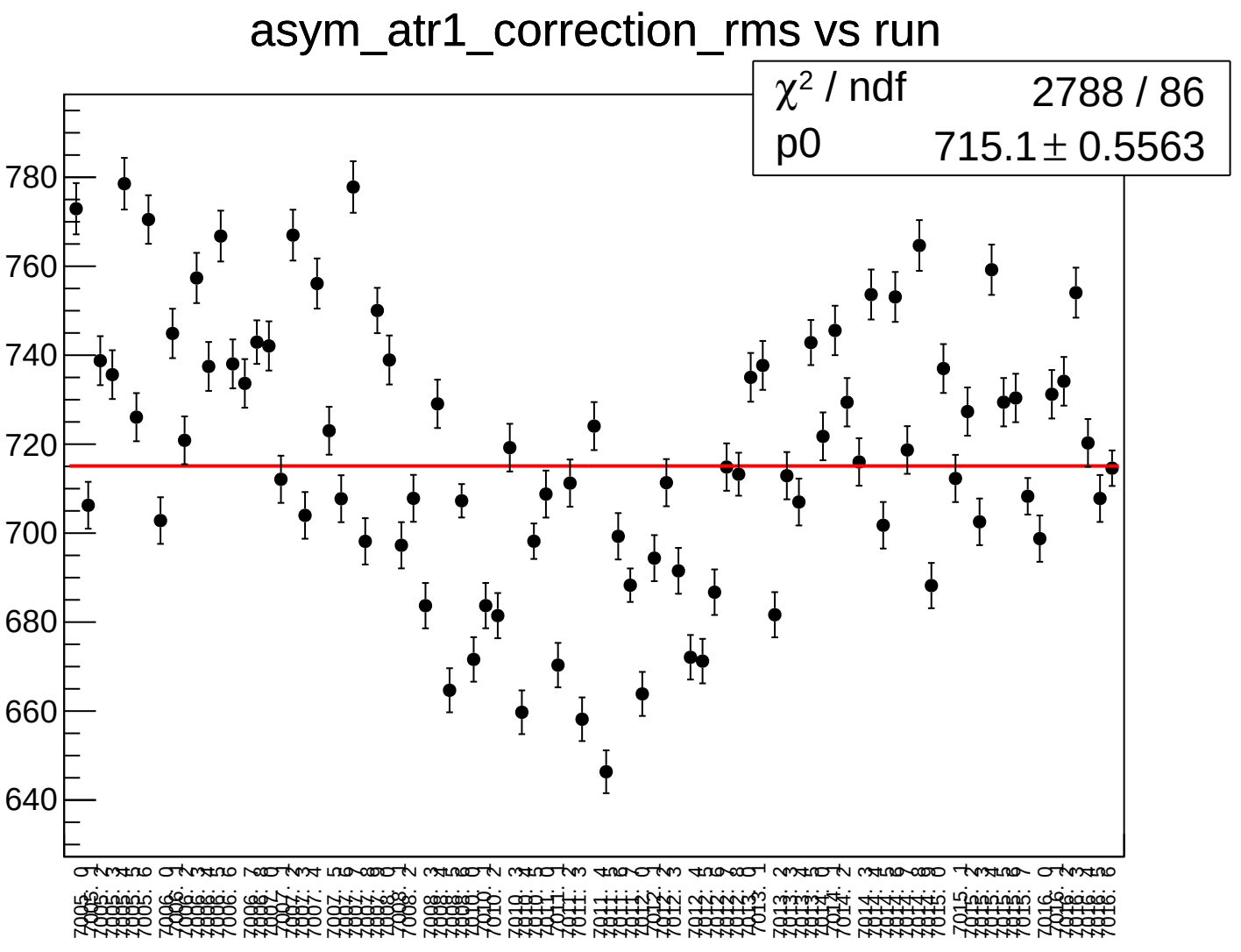

asym_atl2_rms vs run
χ² / ndf 8733 / 86
p0 1.047e+04 ± 8.161
12500
12000
11500
11000
10500
10000
9500
9000

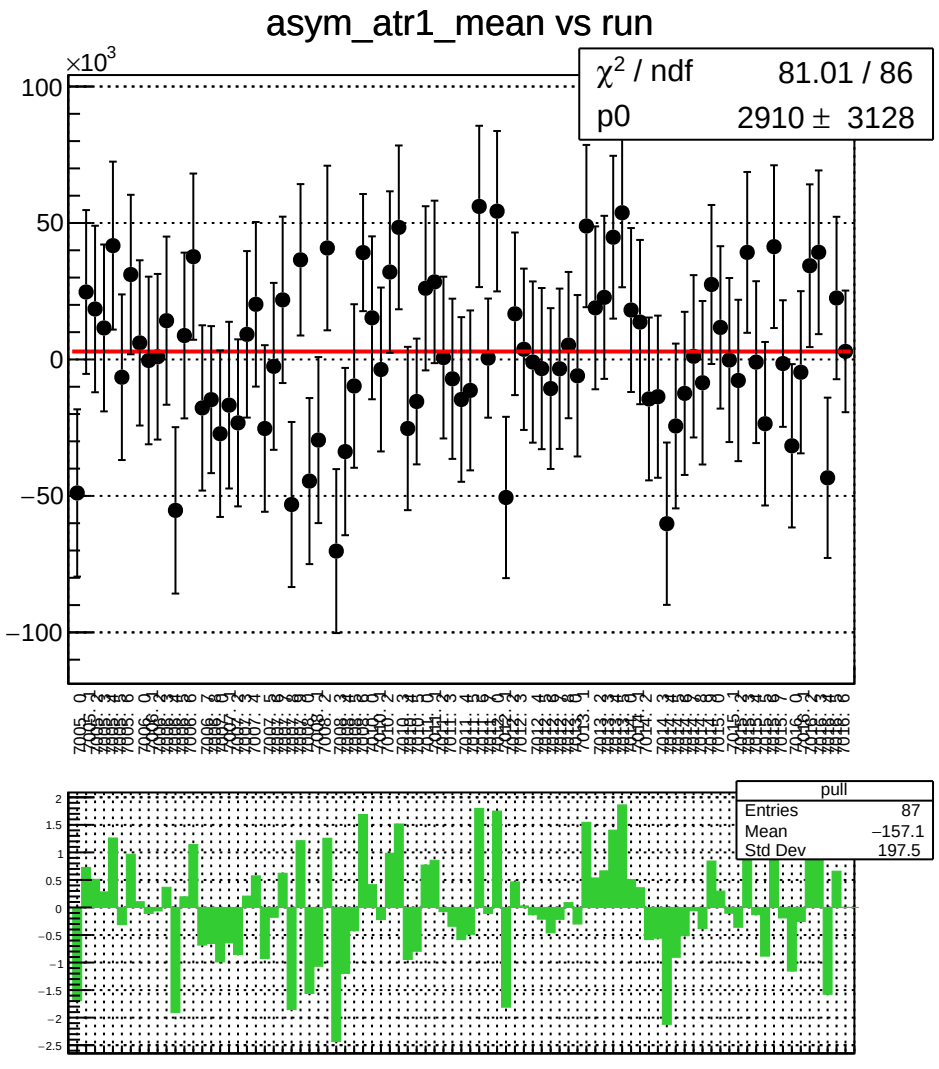

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 80.27 / 86
p0 823.3 ± 3032
pull
Entries 87
Mean −84.98
Std Dev 130

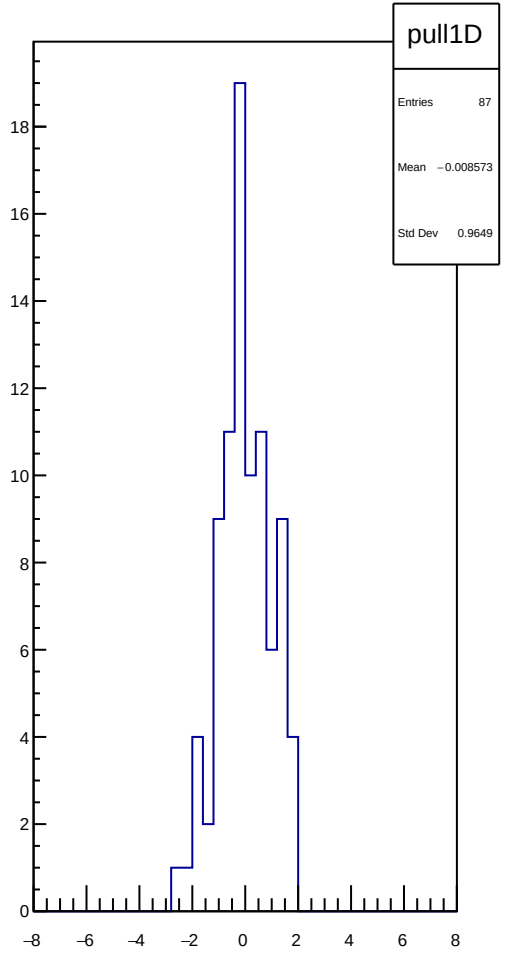

pull1D
Entries 87
Mean −0.01257
Std Dev 0.9605

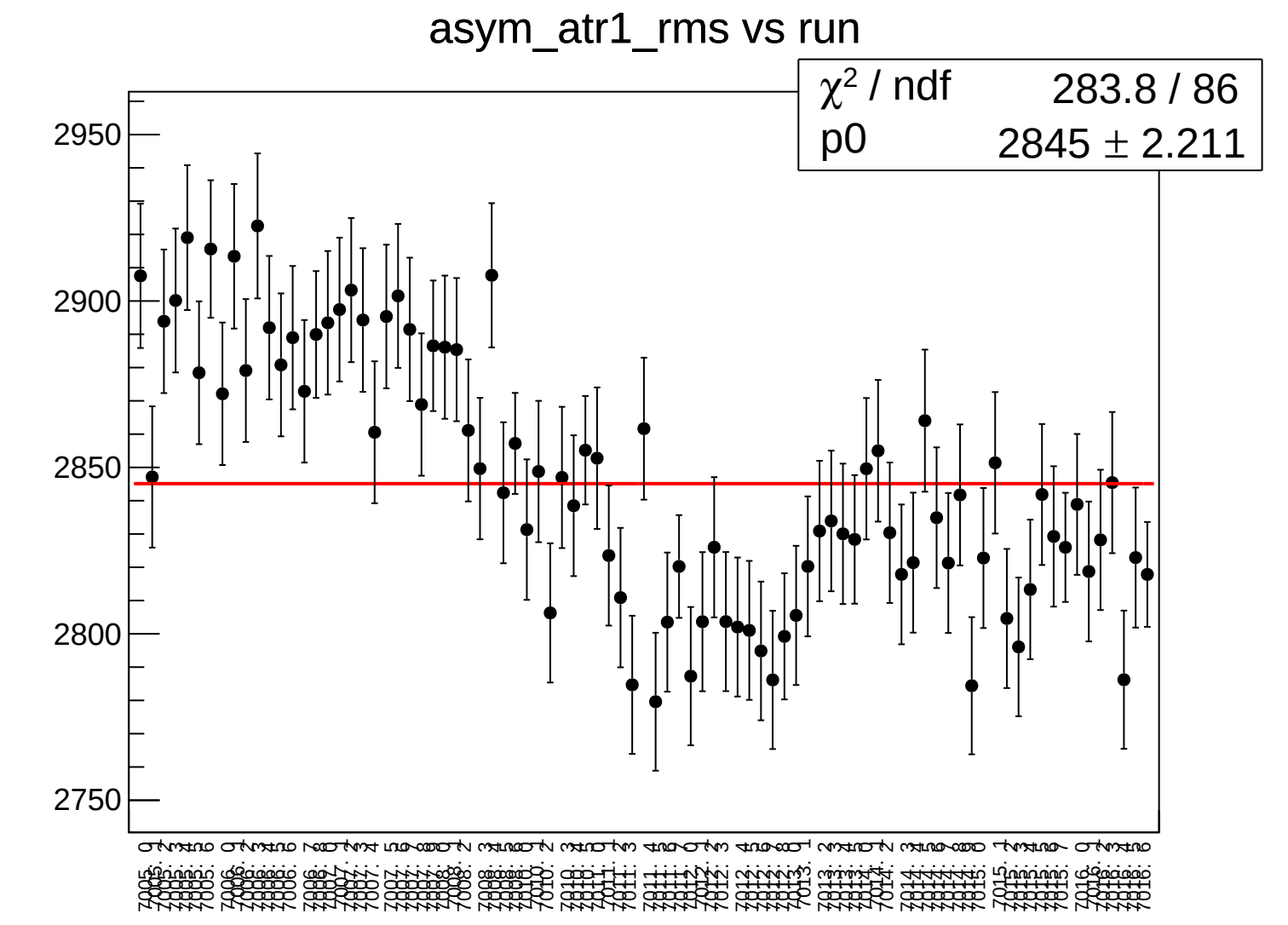

dit_asym_atr1_rms vs run
χ² / ndf 259.1 / 86
p0 2758 ± 2.144
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680

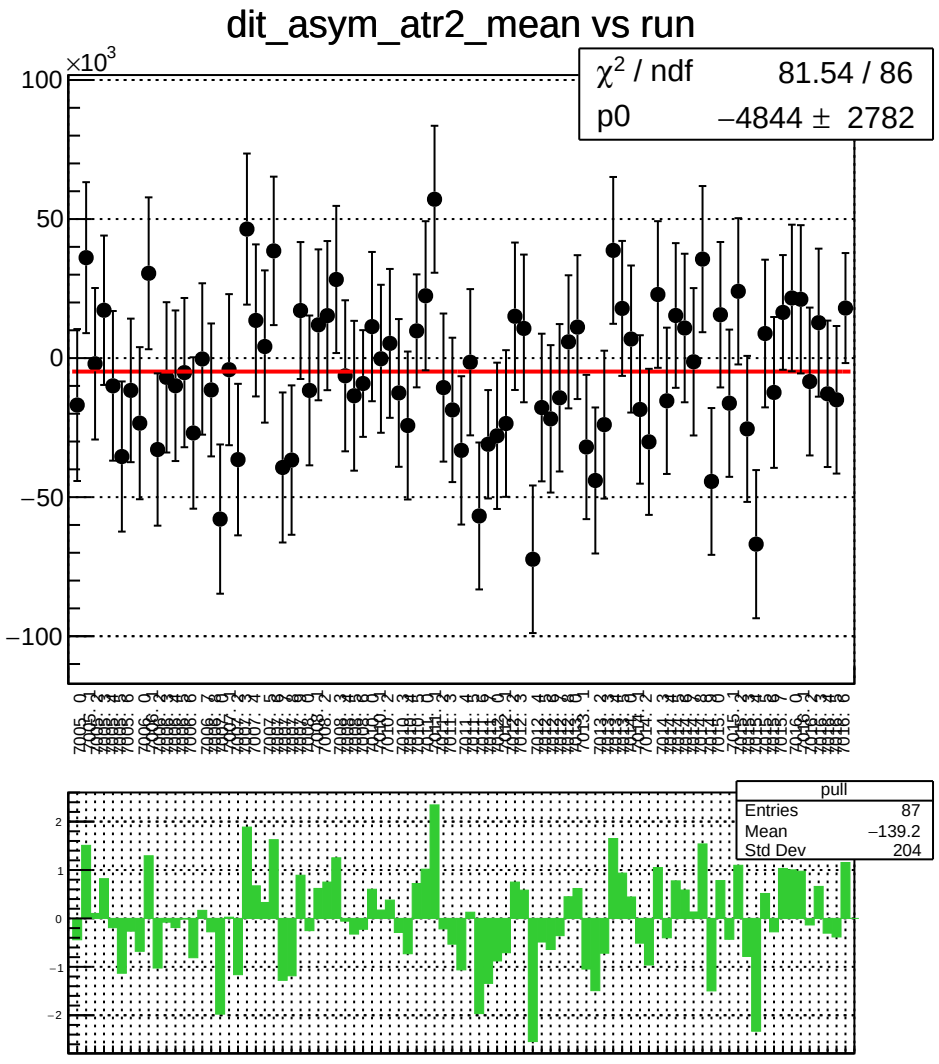

asym_atr1_correction_mean vs run
χ² / ndf 70.12 / 86
p0 −2141 ± 786.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 90.88
Std Dev 88.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.01114
Std Dev 0.8977
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

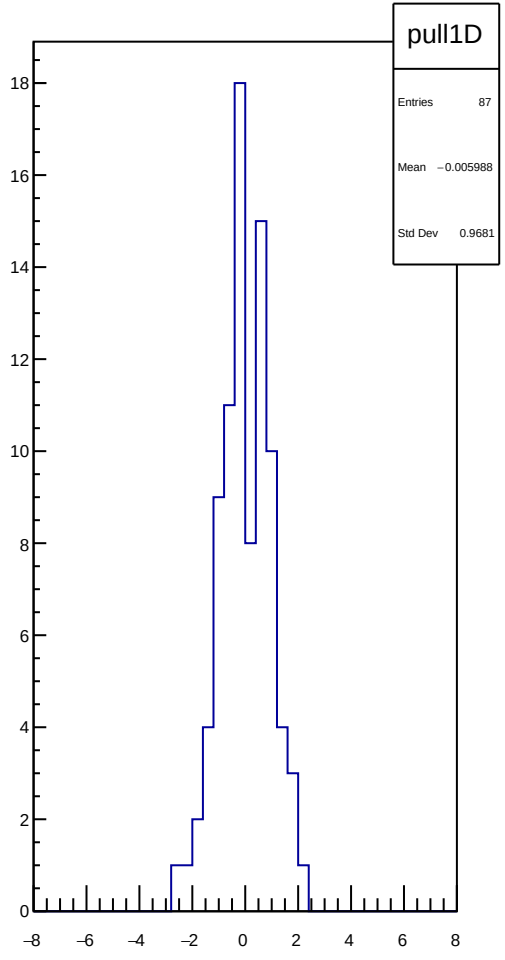

asym_atr1_correction_rms vs run
χ² / ndf 2788 / 86
p0 715.1 ± 0.5563
780
760
740
720
700
680
660
640

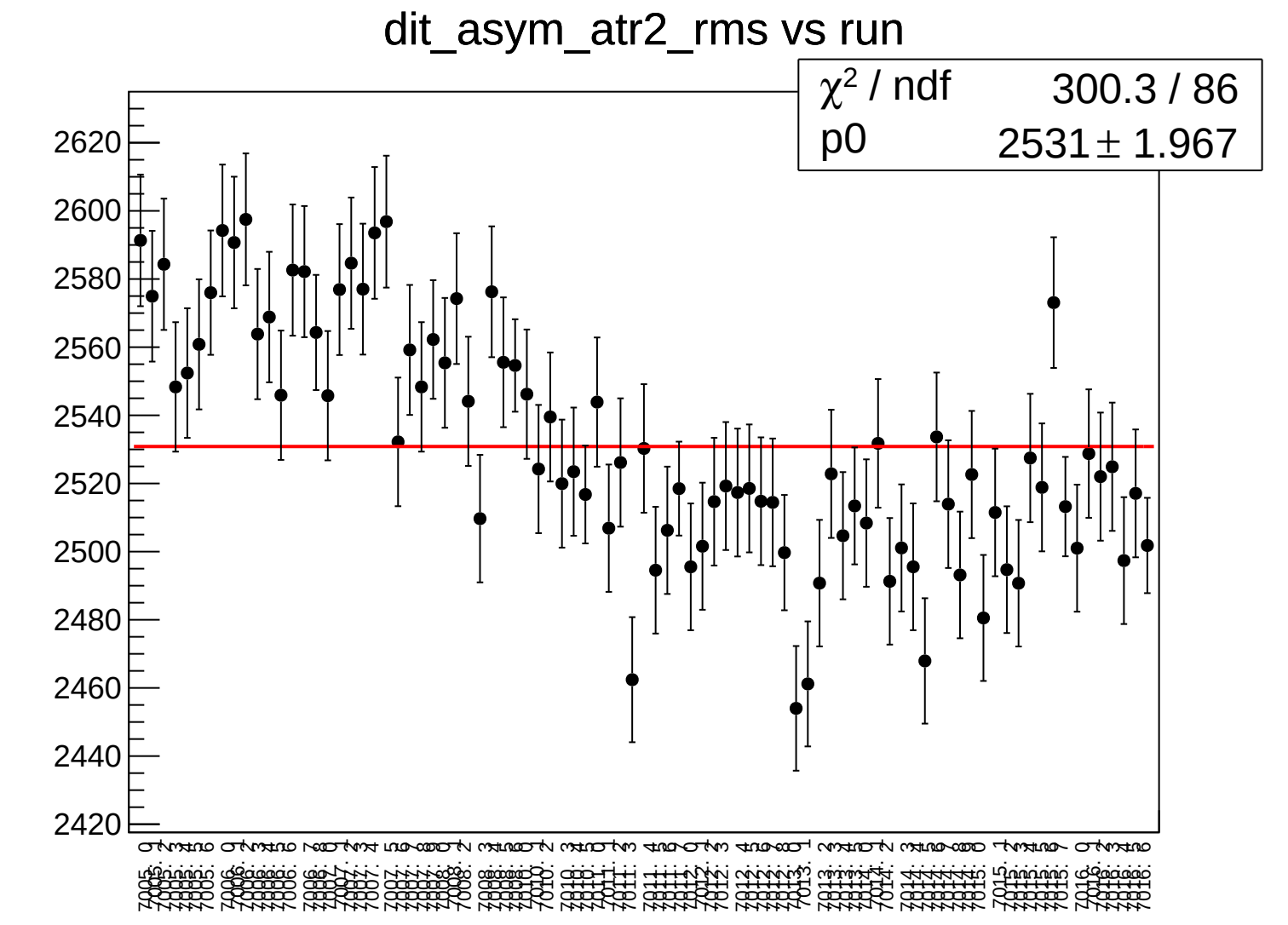

asym_atr1_mean vs run
×10^3
χ² / ndf 81.01 / 86
p0 2910 ± 3128
100
50
0
−50
−100
pull
Entries 87
Mean −157.1
Std Dev 197.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

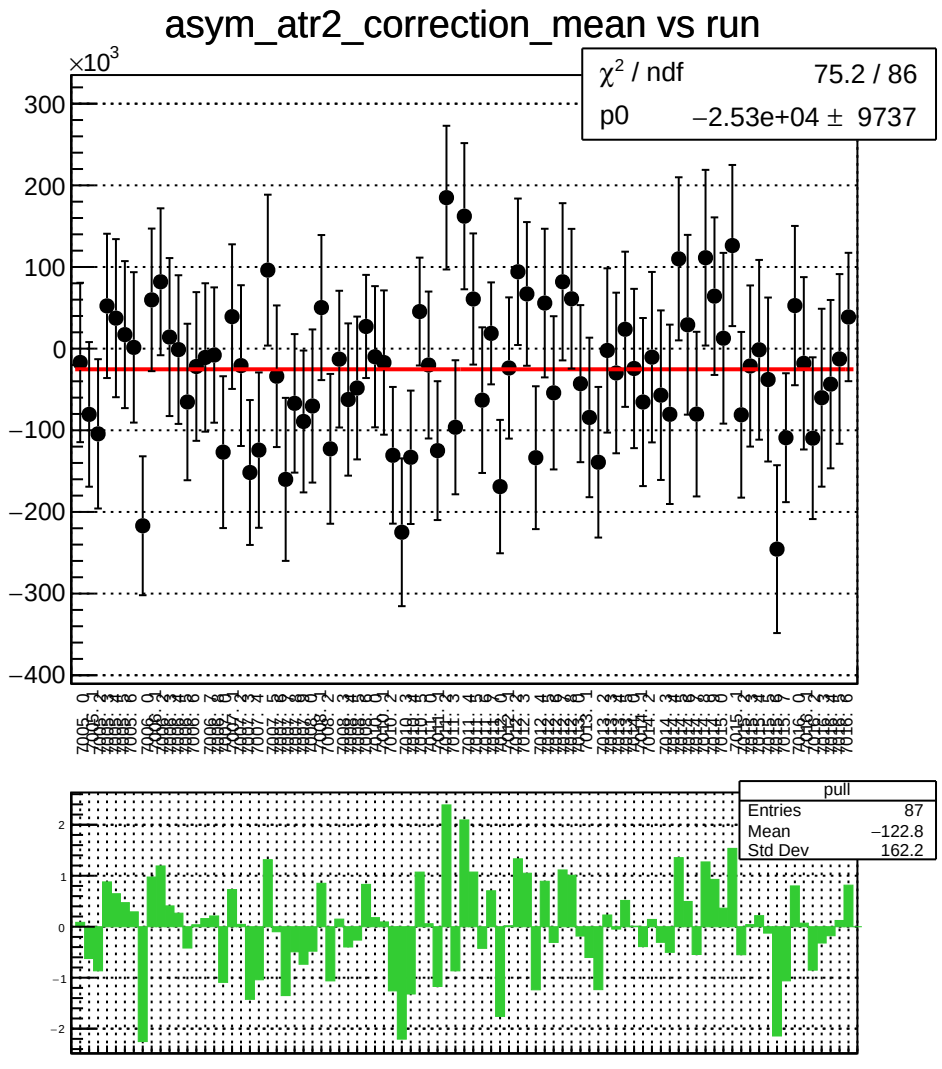

pull1D
Entries 87
Mean −0.008573
Std Dev 0.9649
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

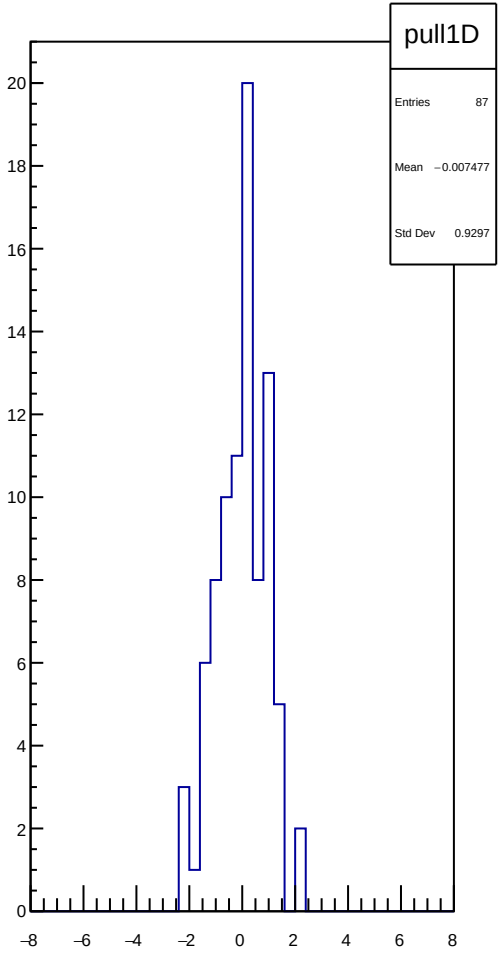

asym_atr1_rms vs run
χ² / ndf 283.8 / 86
p0 2845 ± 2.211
2950
2900
2850
2800
2750

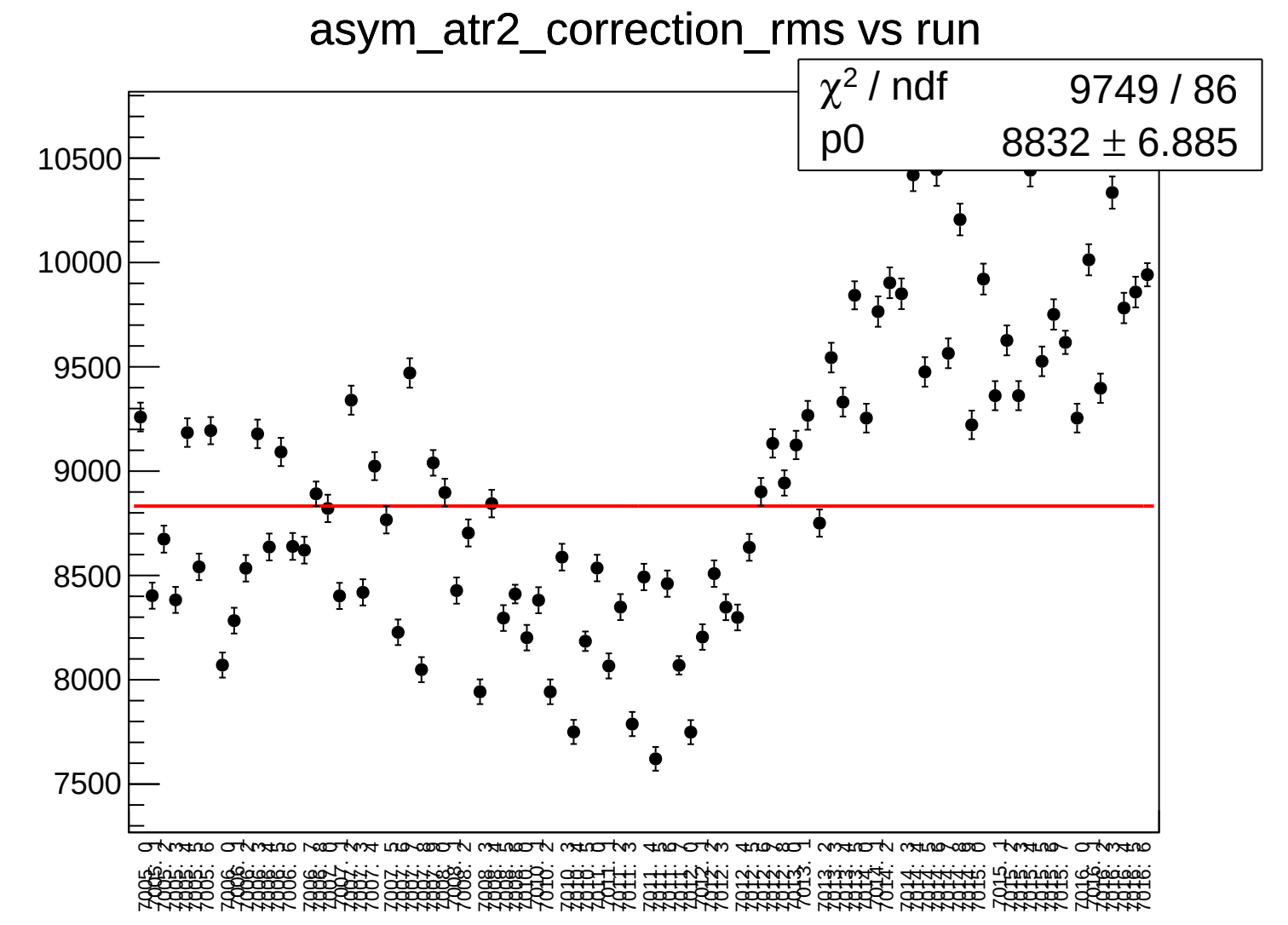

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 81.54 / 86
p0 −4844 ± 2782
100
50
0
−50
−100
pull
Entries 87
Mean −139.2
Std Dev 204
2
1
0
−1
−2

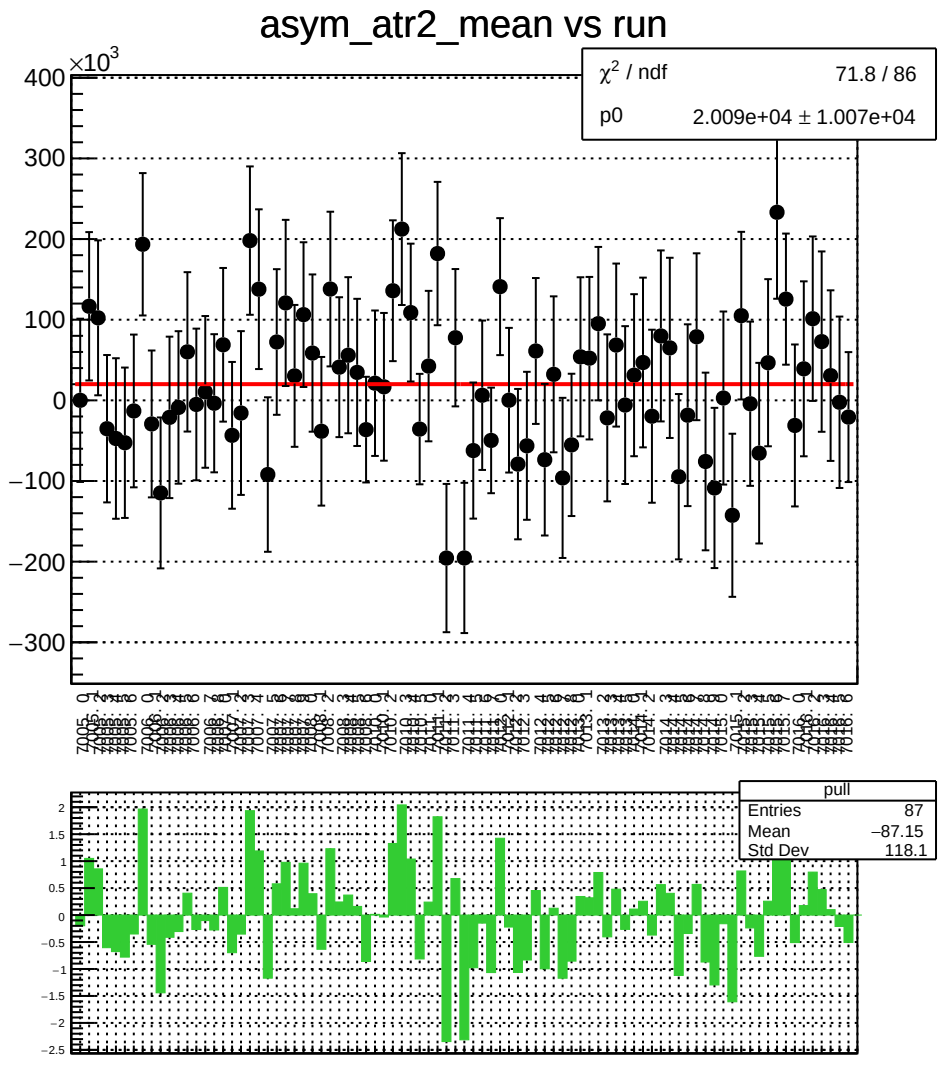

pull1D
Entries 87
Mean −0.005988
Std Dev 0.9681
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

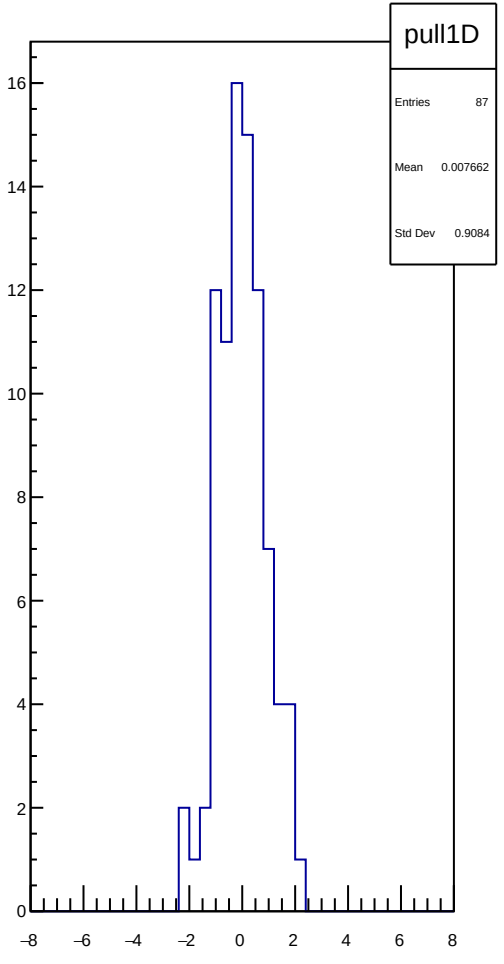

dit_asym_atr2_rms vs run
χ² / ndf 300.3 / 86
p0 2531 ± 1.967
2620
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420

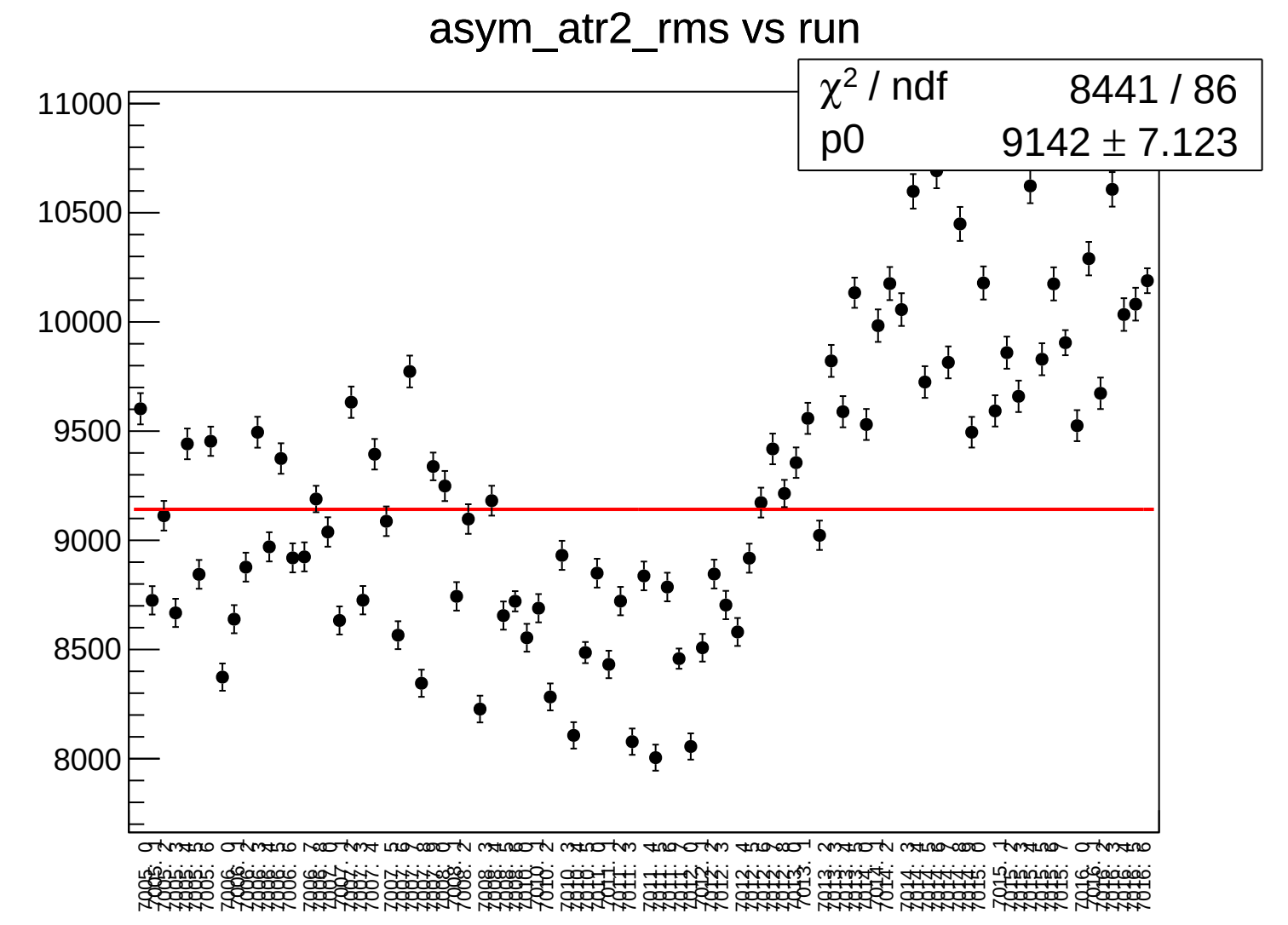

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 75.2 / 86
p0 −2.53e+04 ± 9737
300
200
100
0
−100
−200
−300
−400
pull
Entries 87
Mean −122.8
Std Dev 162.2
2
1
0
−1
−2

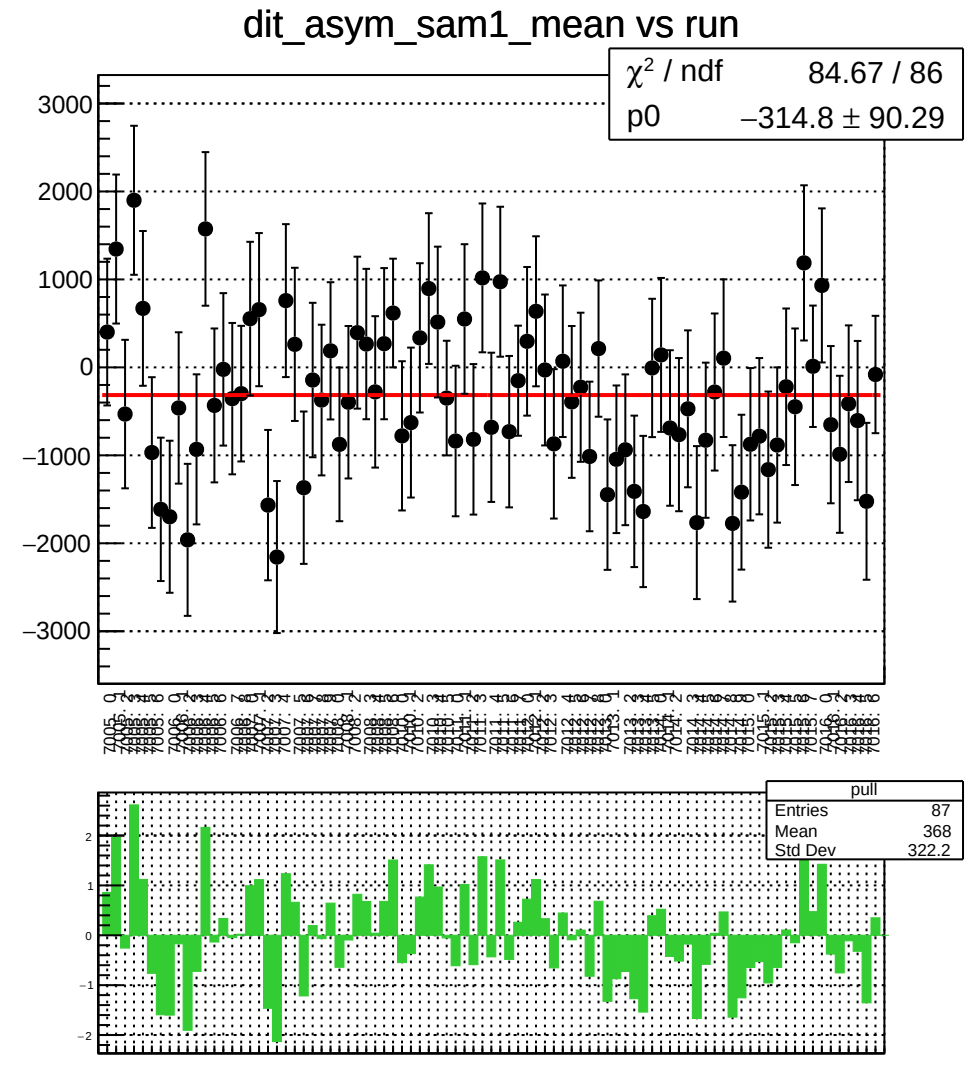

pull1D
Entries 87
Mean −0.007477
Std Dev 0.9297
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

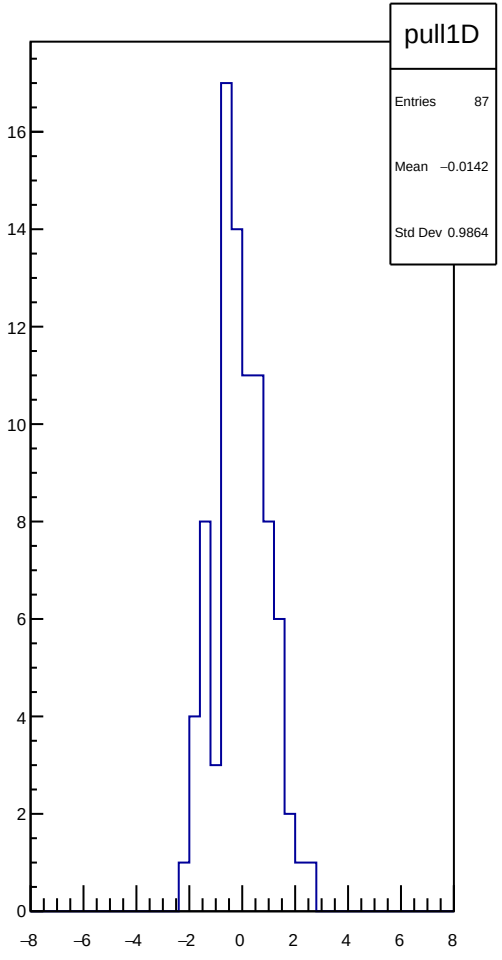

asym_atr2_correction_rms vs run
χ² / ndf 9749 / 86
p0 8832 ± 6.885
10500
10000
9500
9000
8500
8000
7500

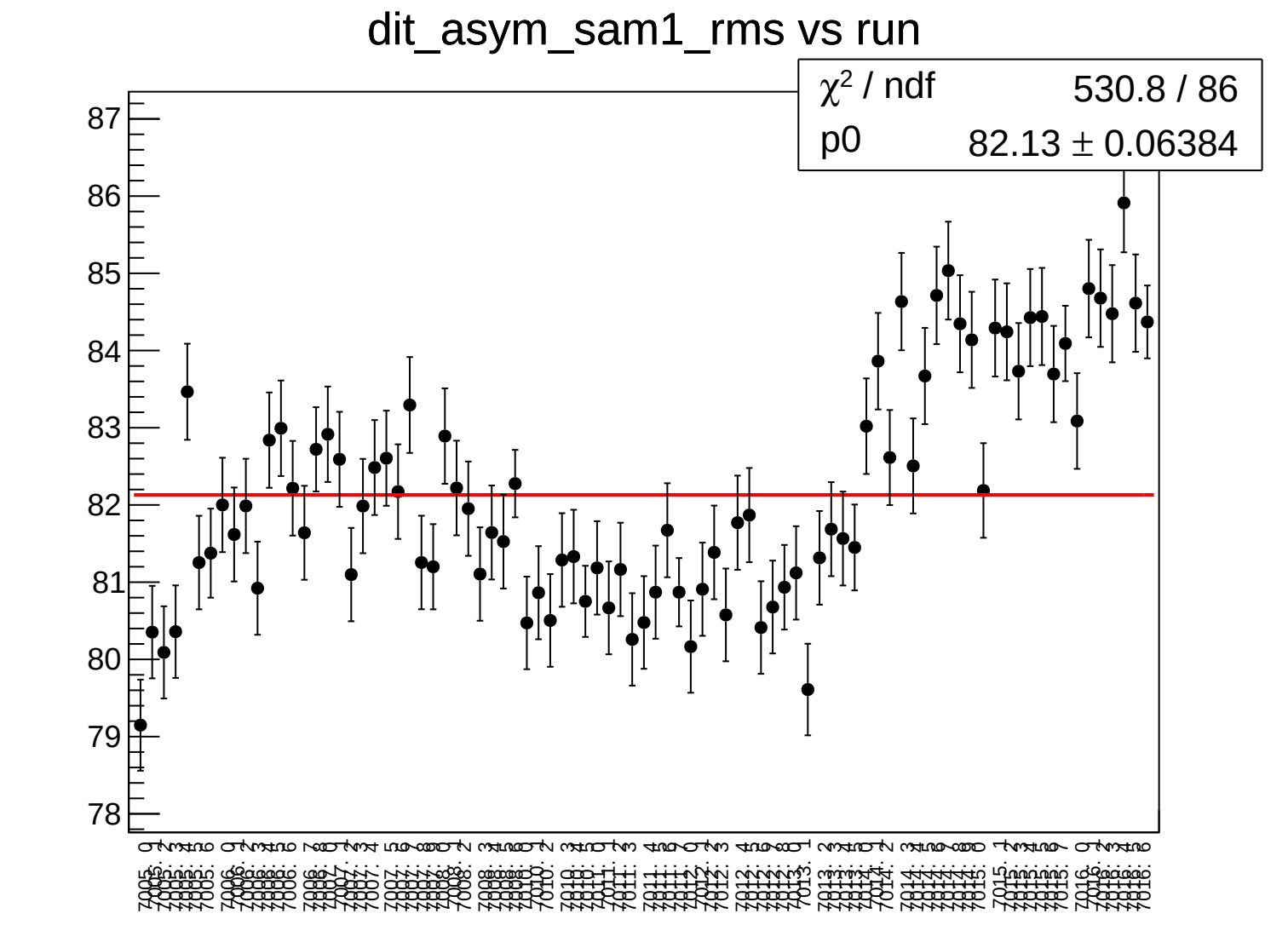

asym_atr2_mean vs run
χ² / ndf 71.8 / 86
p0 2.009e+04 ± 1.007e+04
×10³
pull
Entries 87
Mean −87.15
Std Dev 118.1

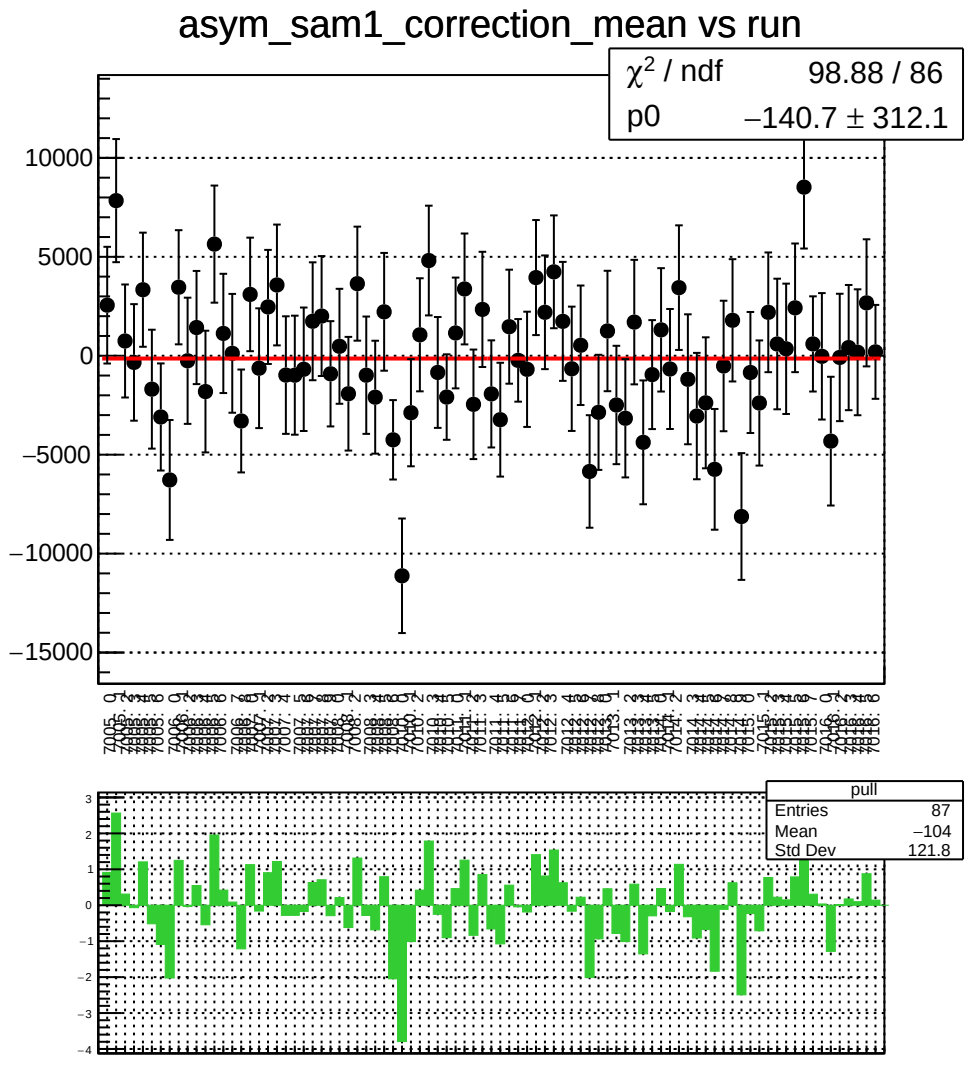

pull1D
Entries 87
Mean 0.007662
Std Dev 0.9084

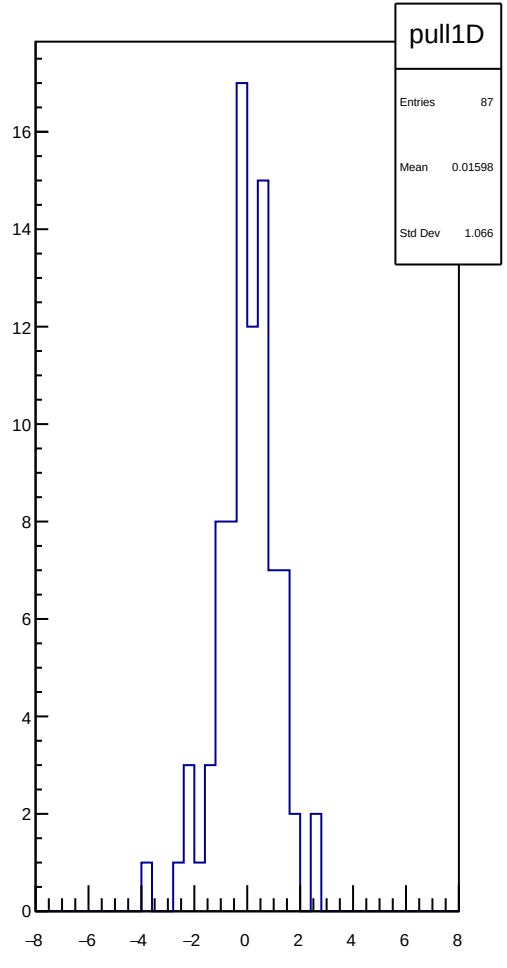

asym_atr2_rms vs run
χ² / ndf 8441 / 86
p0 9142 ± 7.123
11000
10500
10000
9500
9000
8500
8000

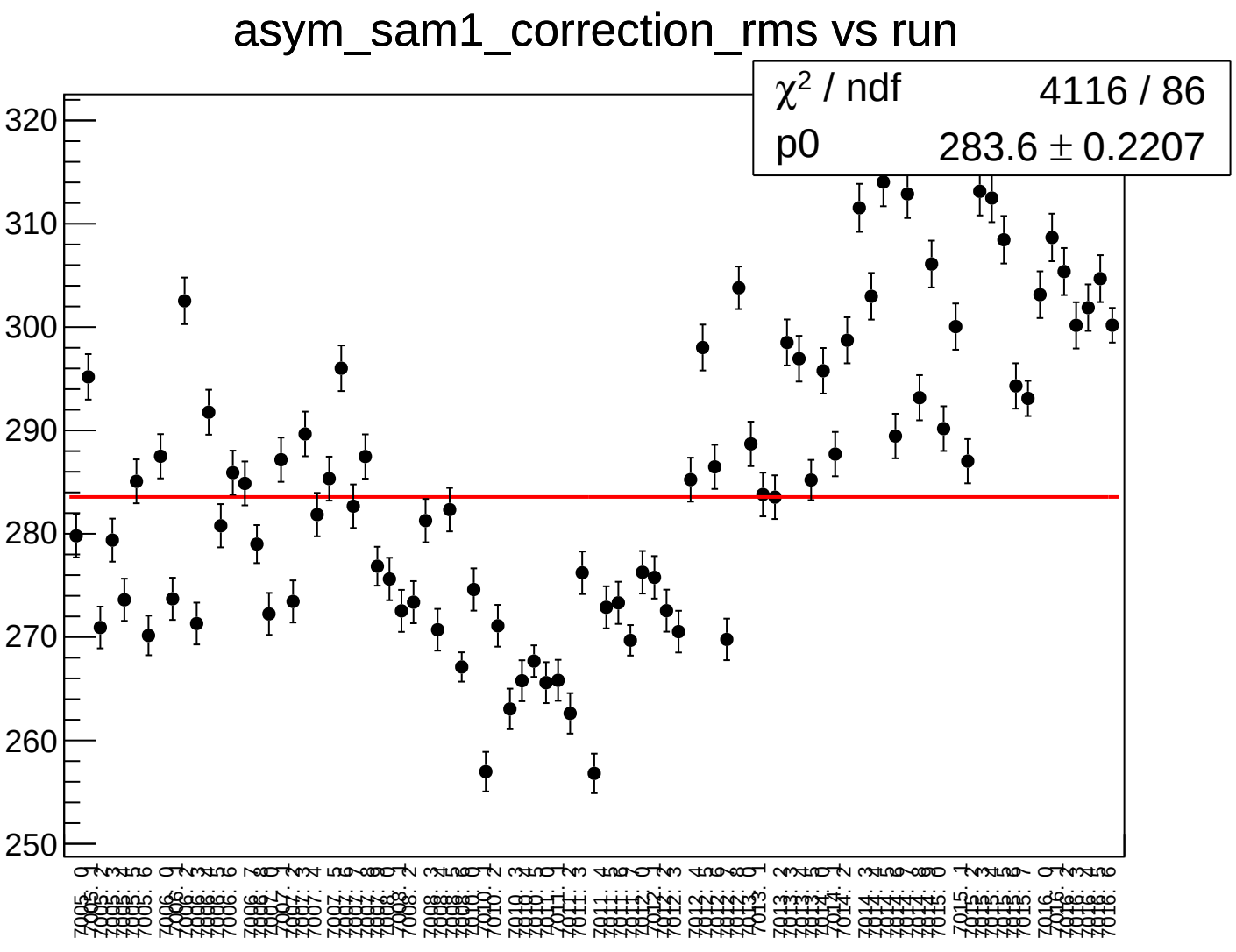

dit_asym_sam1_mean vs run
χ² / ndf 84.67 / 86
p0 −314.8 ± 90.29
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 368
Std Dev 322.2
2
1
0
−1
−2

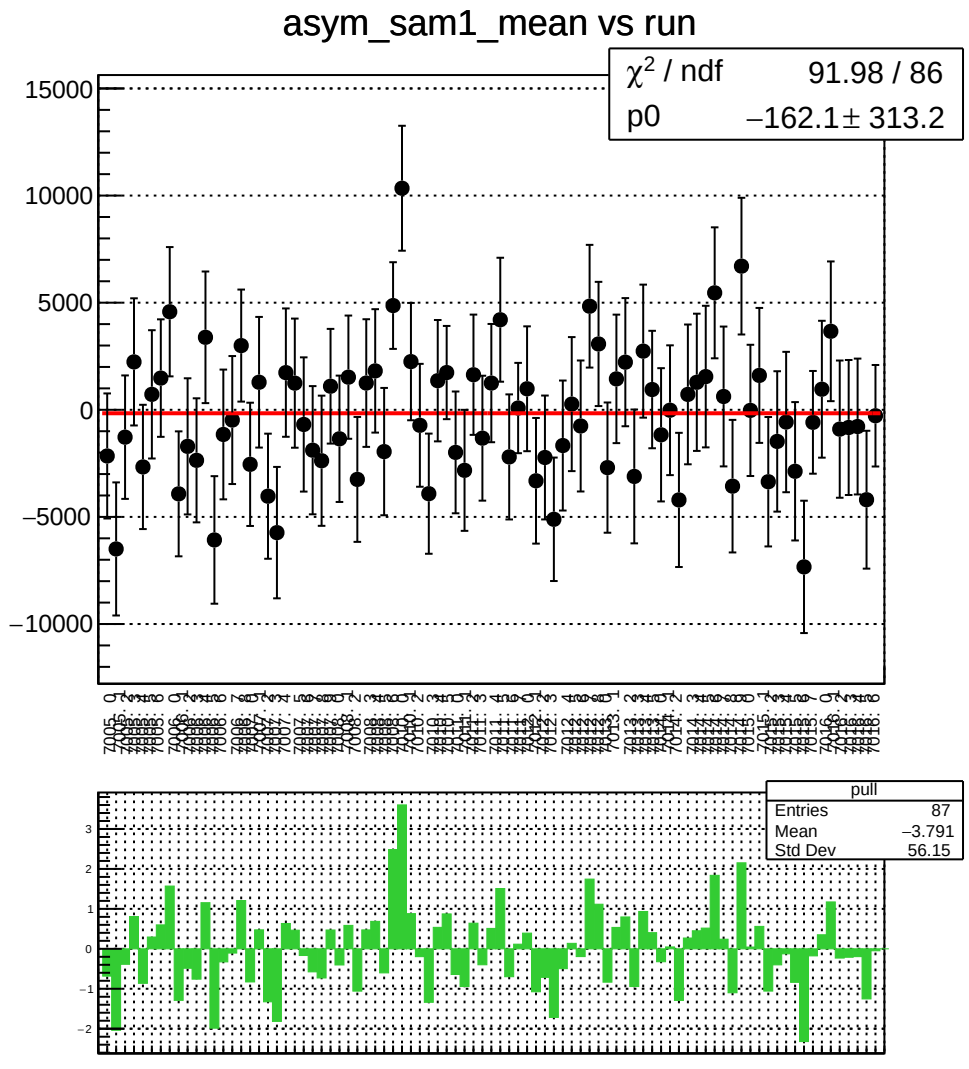

pull1D
Entries 87
Mean −0.0142
Std Dev 0.9864
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

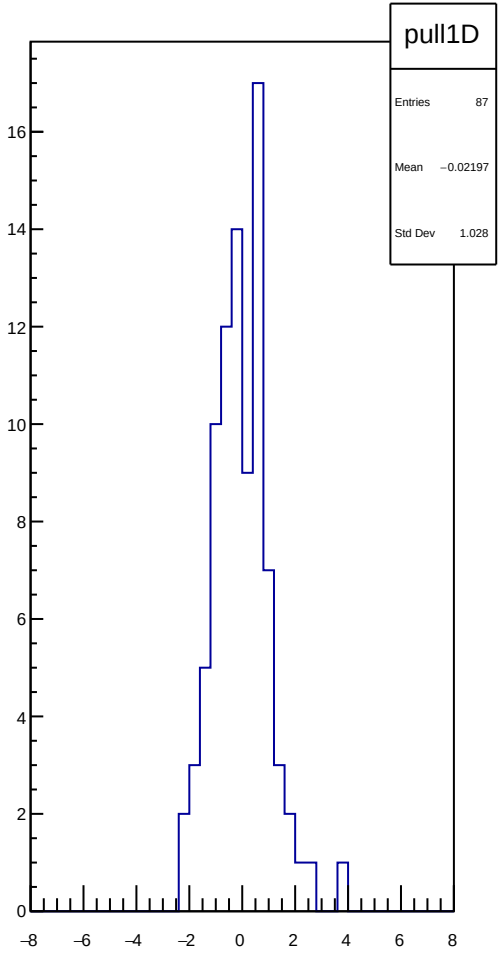

dit_asym_sam1_rms vs run
χ² / ndf 530.8 / 86
p0 82.13 ± 0.06384
87
86
85
84
83
82
81
80
79
78

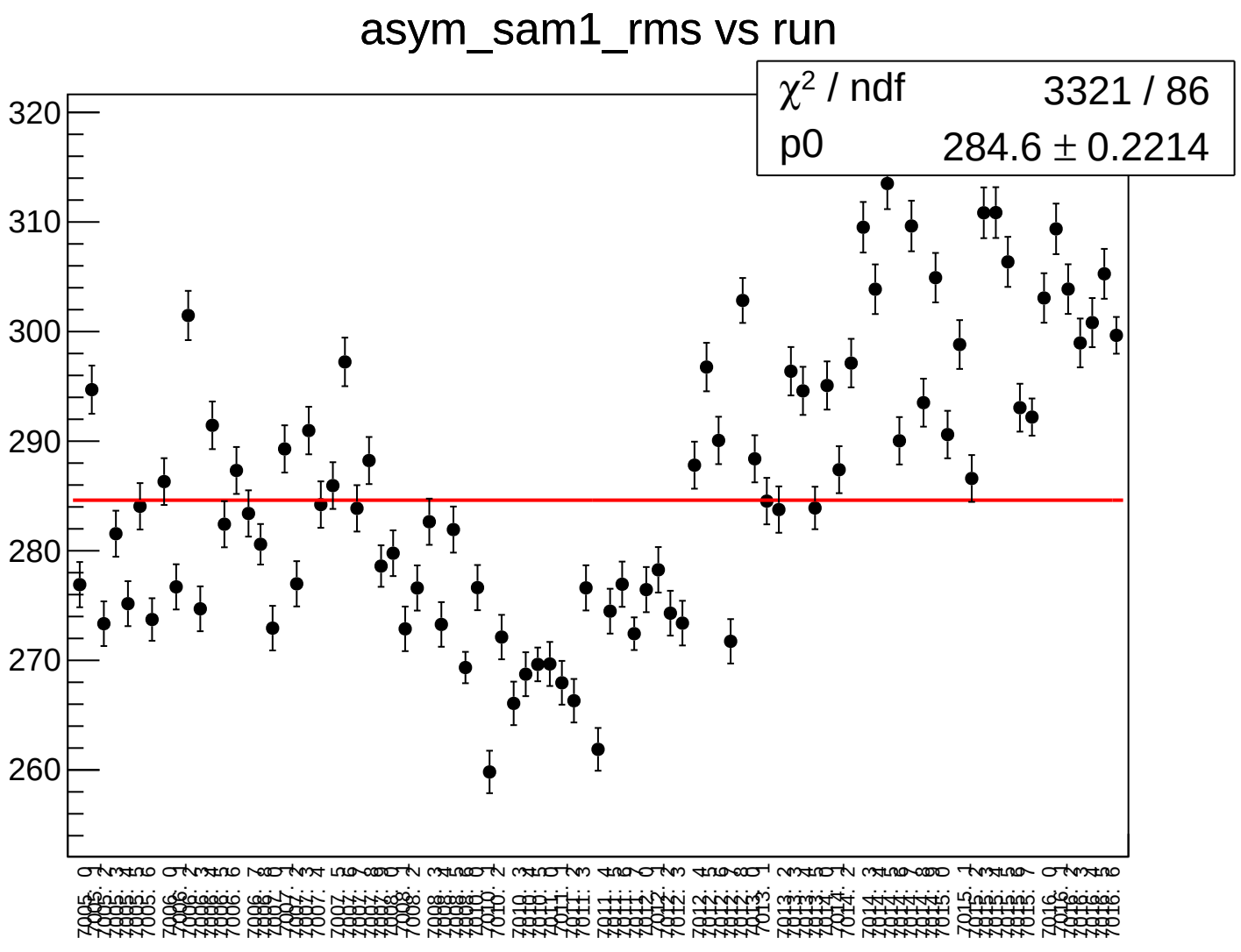

asym_sam1_correction_mean vs run
χ² / ndf 98.88 / 86
p0 −140.7 ± 312.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −104
Std Dev 121.8
3
2
1
0
−1
−2
−3
−4

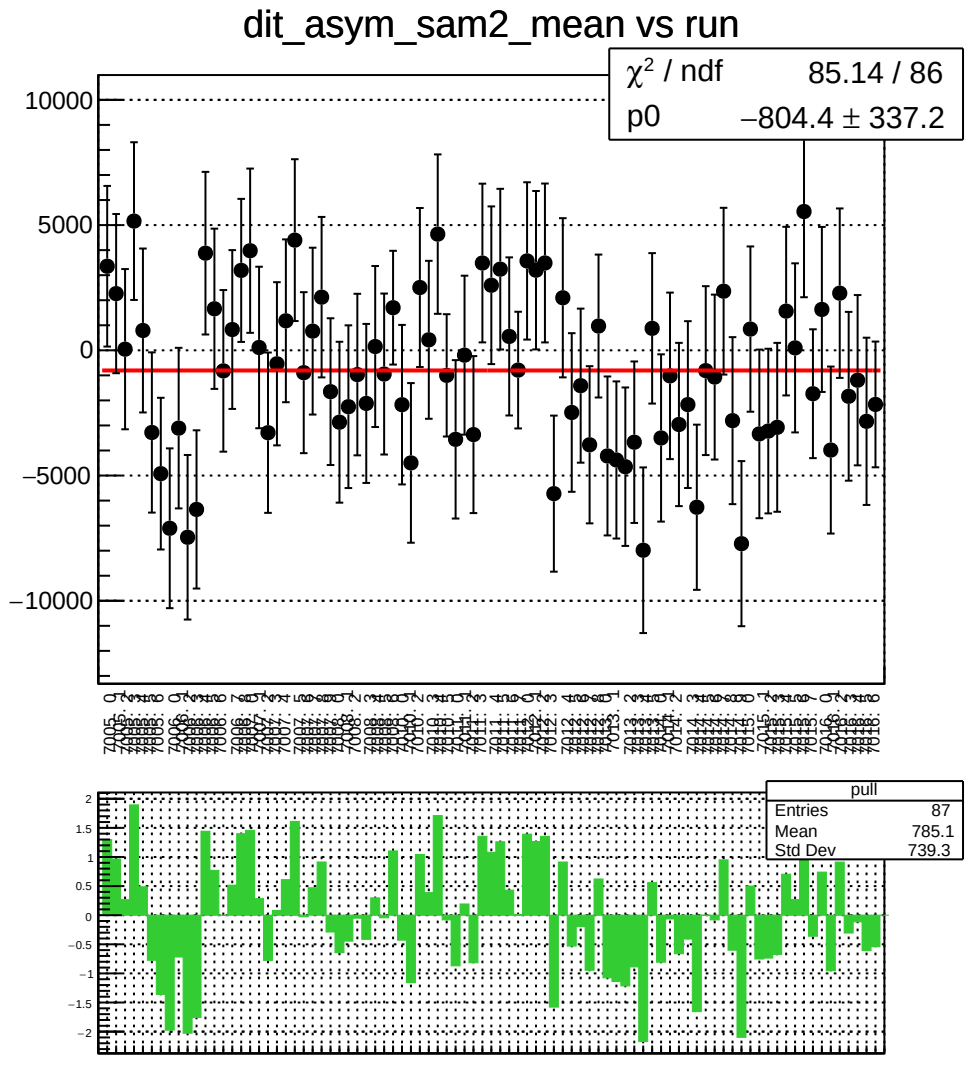

pull1D
Entries 87
Mean 0.01598
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

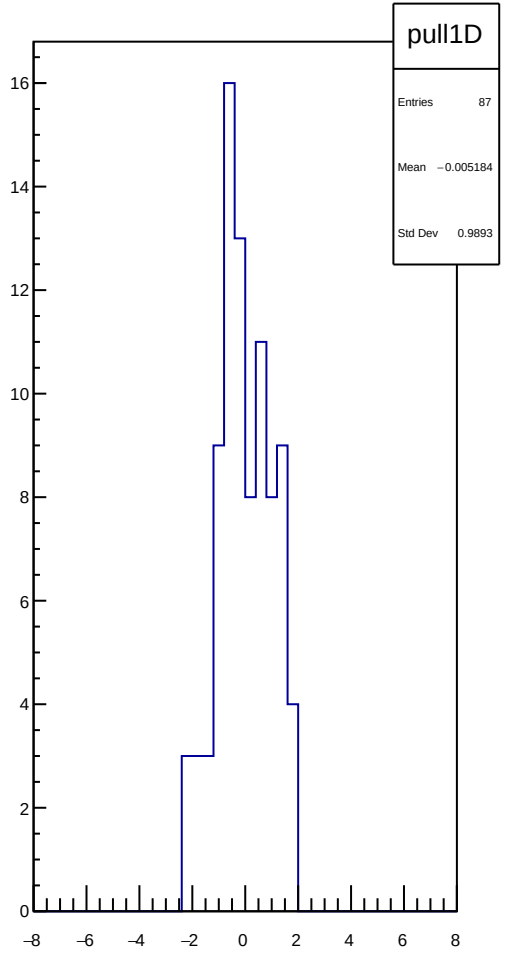

asym_sam1_correction_rms vs run
χ² / ndf 4116 / 86
p0 283.6 ± 0.2207
320
310
300
290
280
270
260
250

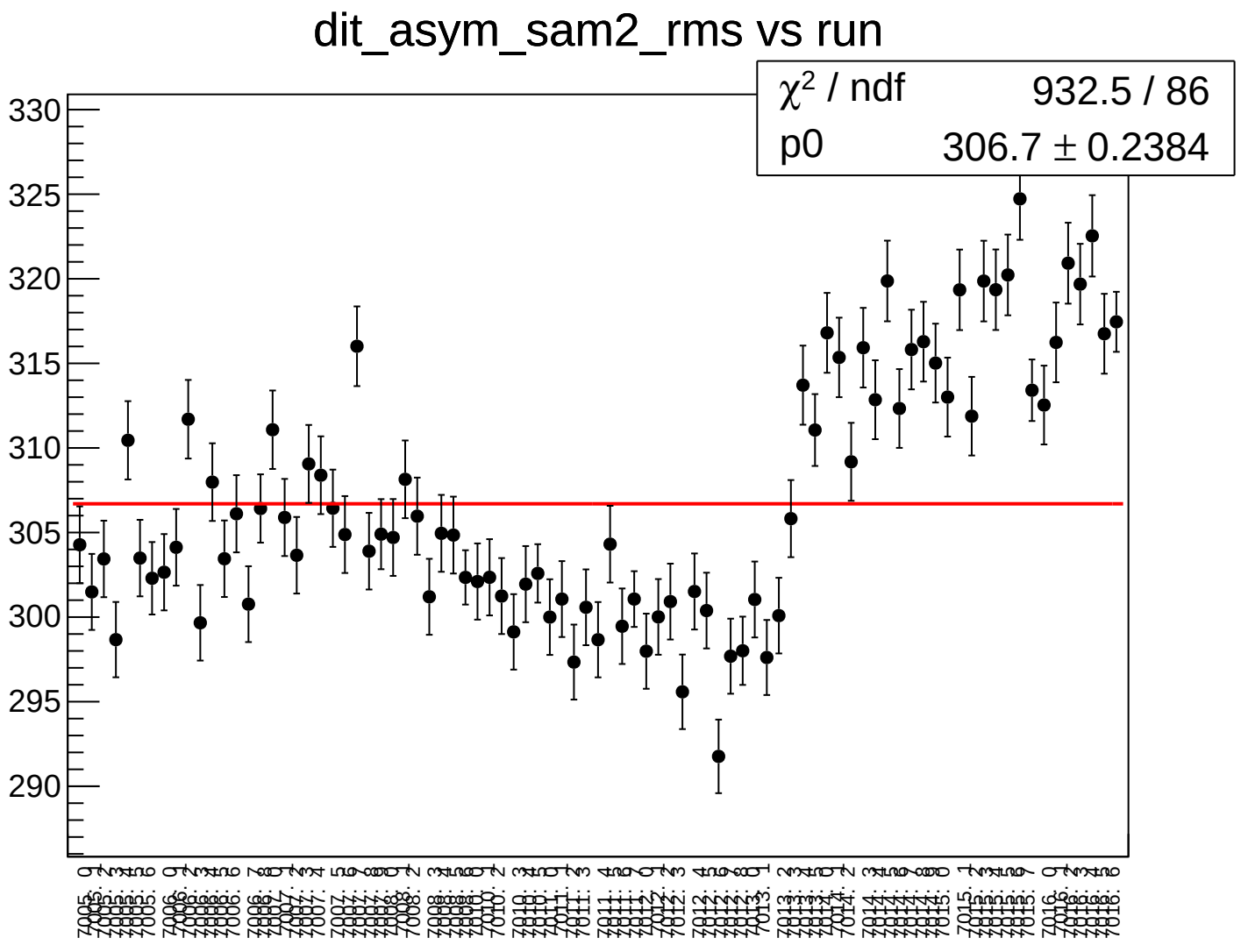

asym_sam1_mean vs run
χ² / ndf 91.98 / 86
p0 −162.1± 313.2
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −3.791
Std Dev 56.15
3
2
1
0
−1
−2

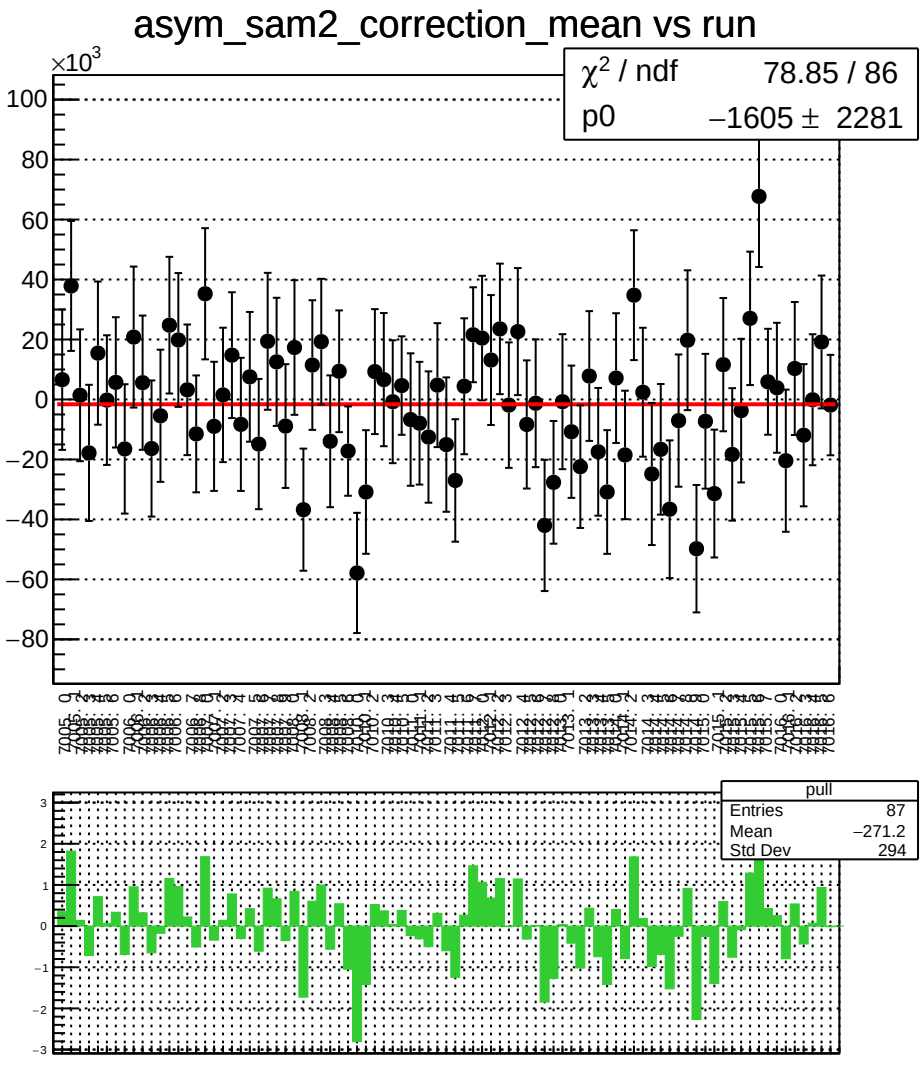

pull1D
Entries 87
Mean −0.02197
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

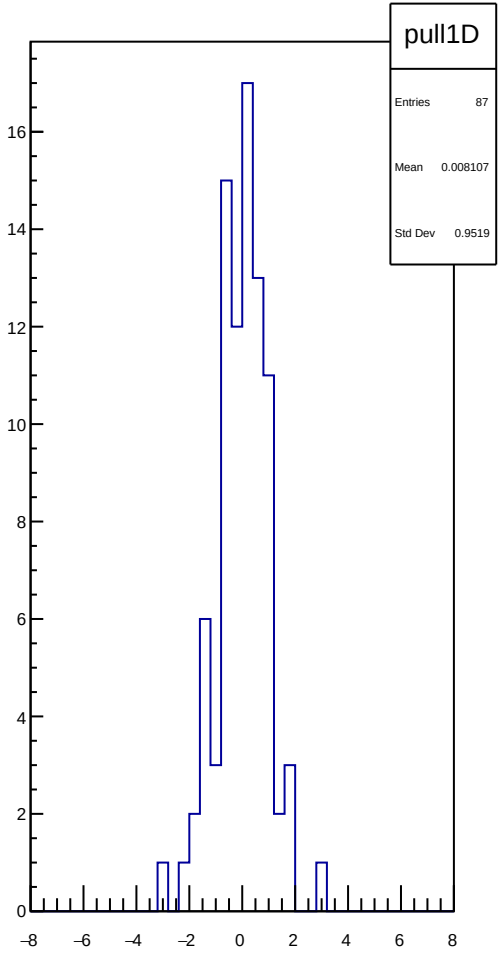

asym_sam1_rms vs run
χ² / ndf 3321 / 86
p0 284.6 ± 0.2214
320
310
300
290
280
270
260

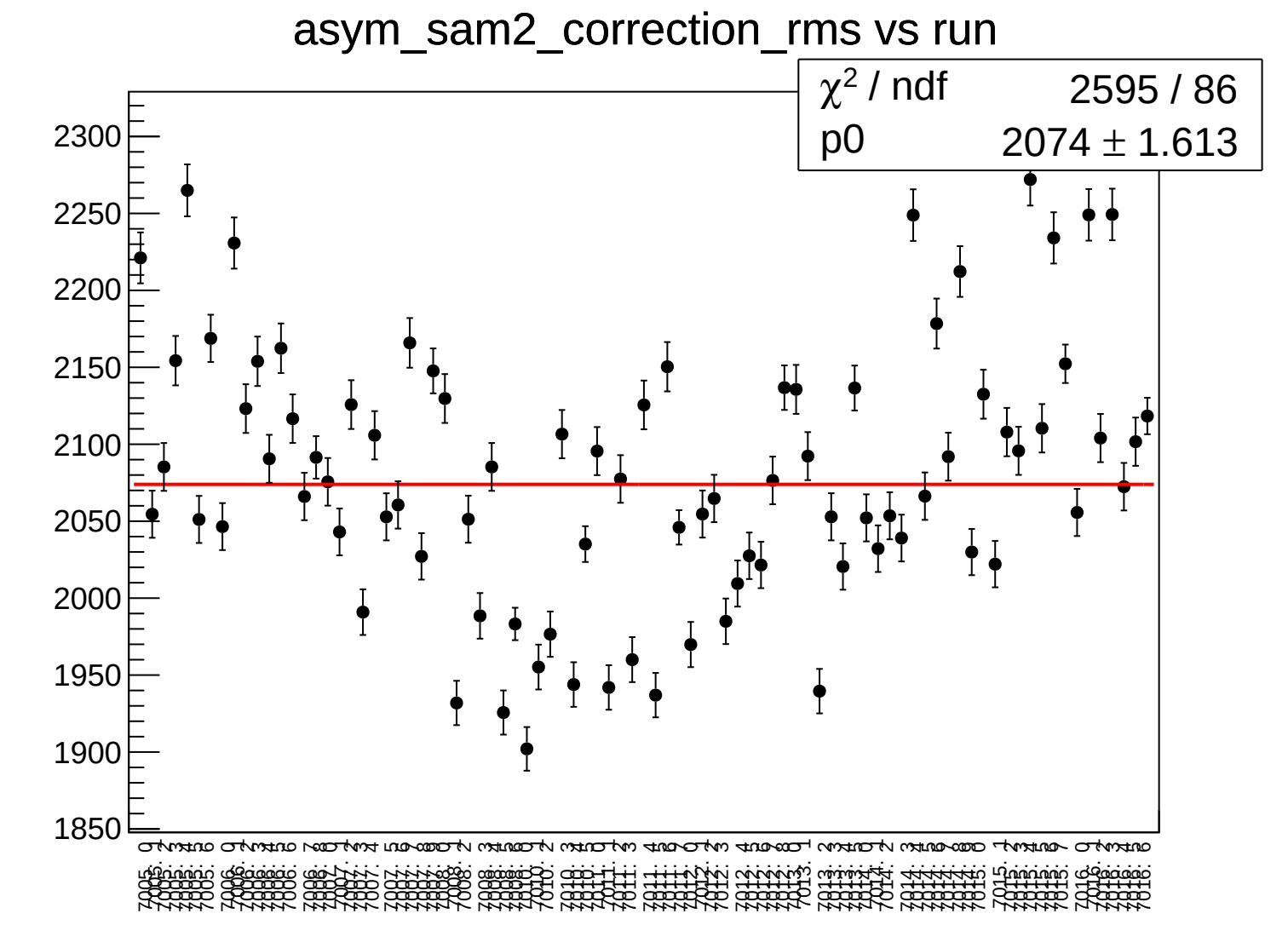

dit_asym_sam2_mean vs run
χ² / ndf 85.14 / 86
p0 −804.4 ± 337.2
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 785.1
Std Dev 739.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

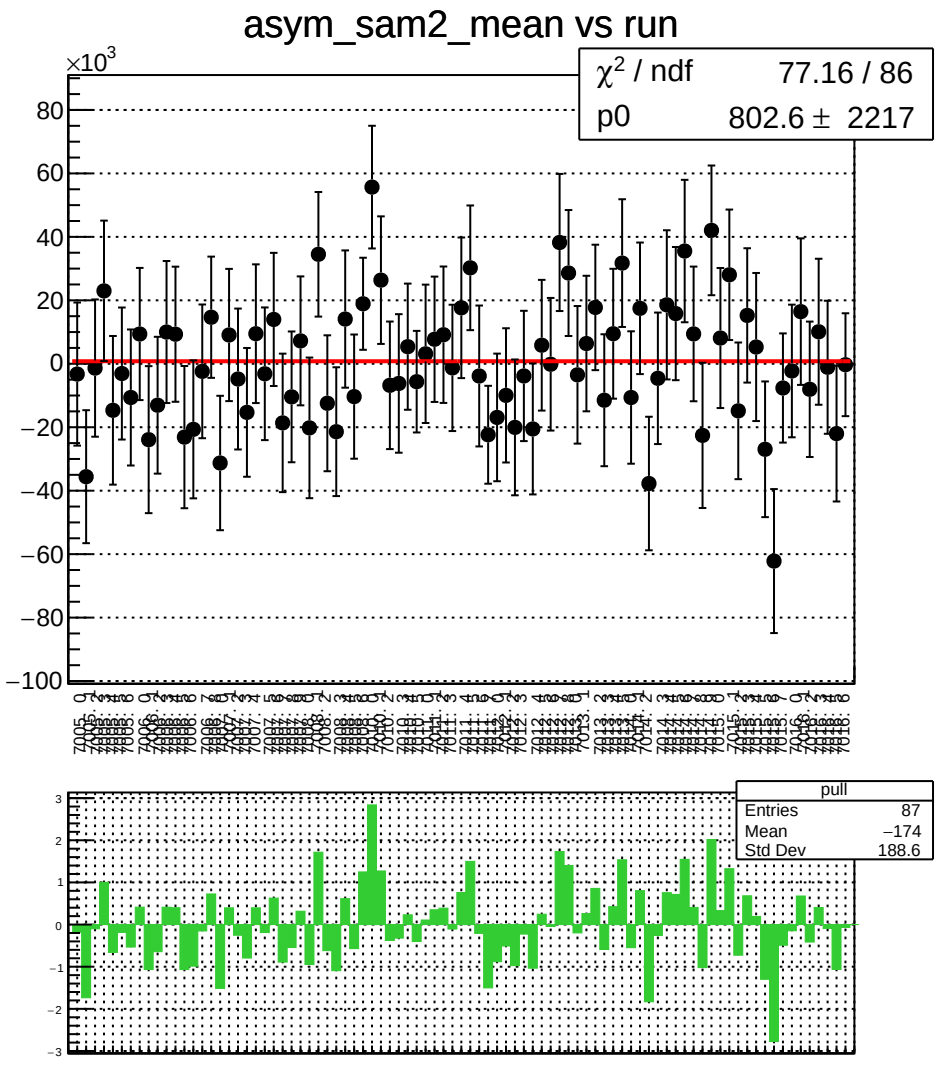

pull1D
Entries 87
Mean −0.005184
Std Dev 0.9893
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

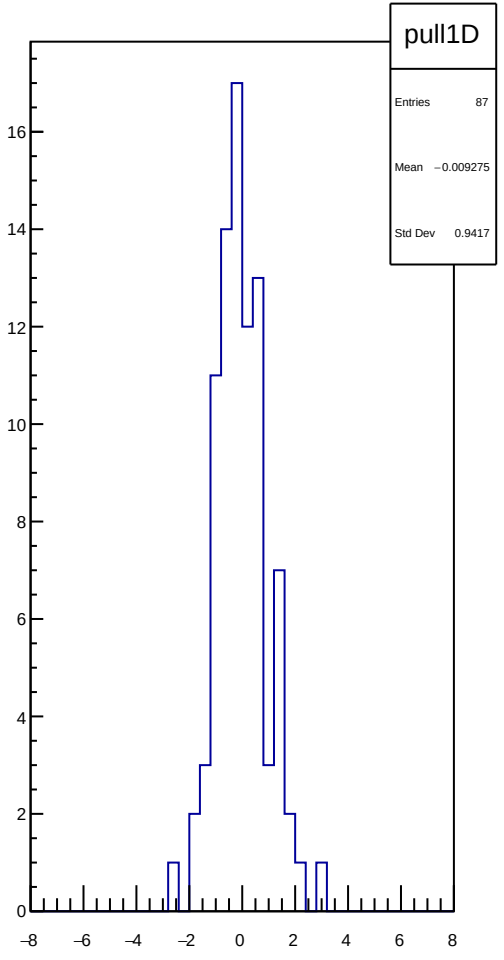

dit_asym_sam2_rms vs run
χ^2 / ndf 932.5 / 86
p0 306.7 ± 0.2384
330
325
320
315
310
305
300
295
290

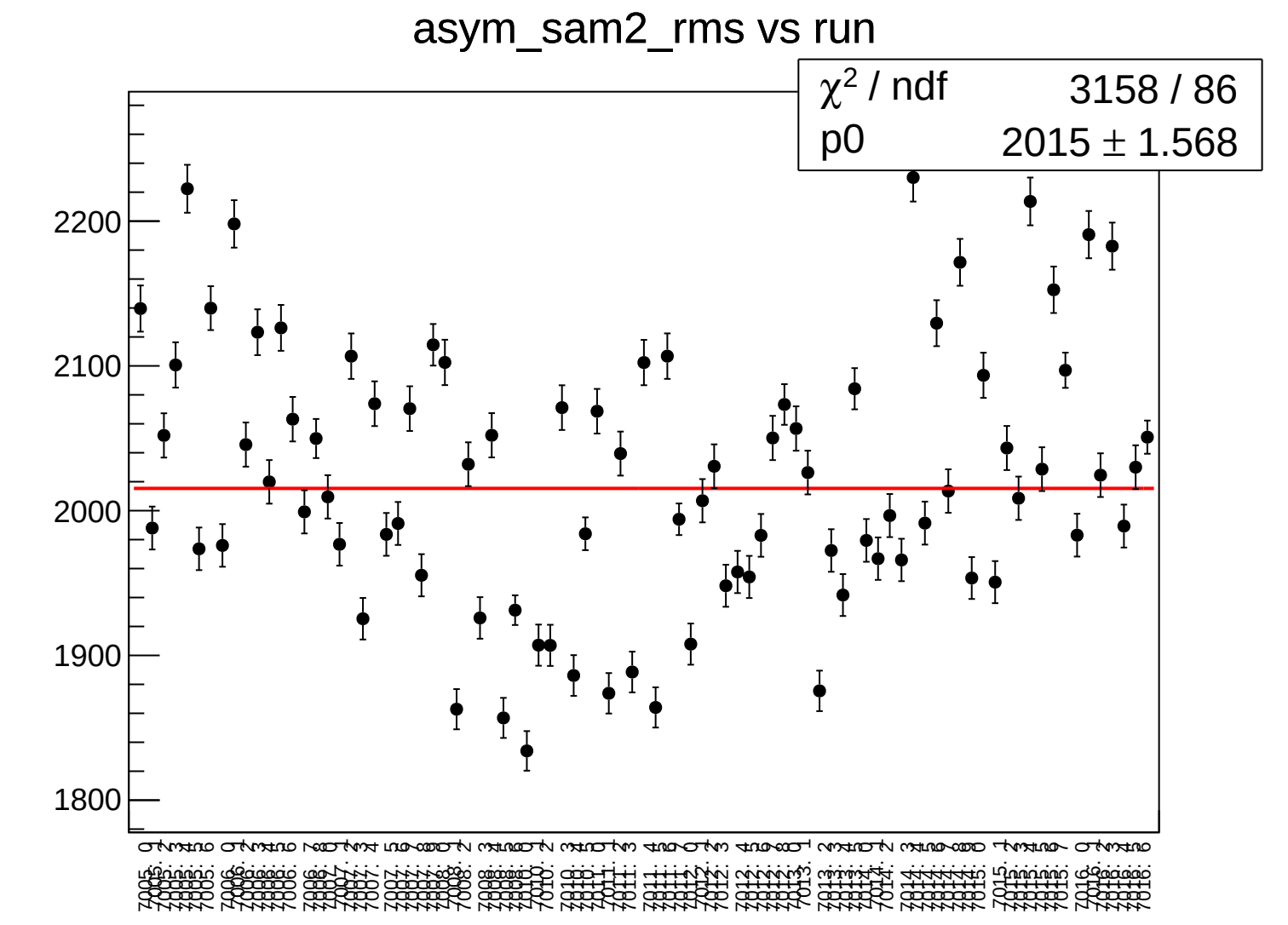

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 78.85 / 86
p0 −1605 ± 2281
pull
Entries 87
Mean −271.2
Std Dev 294

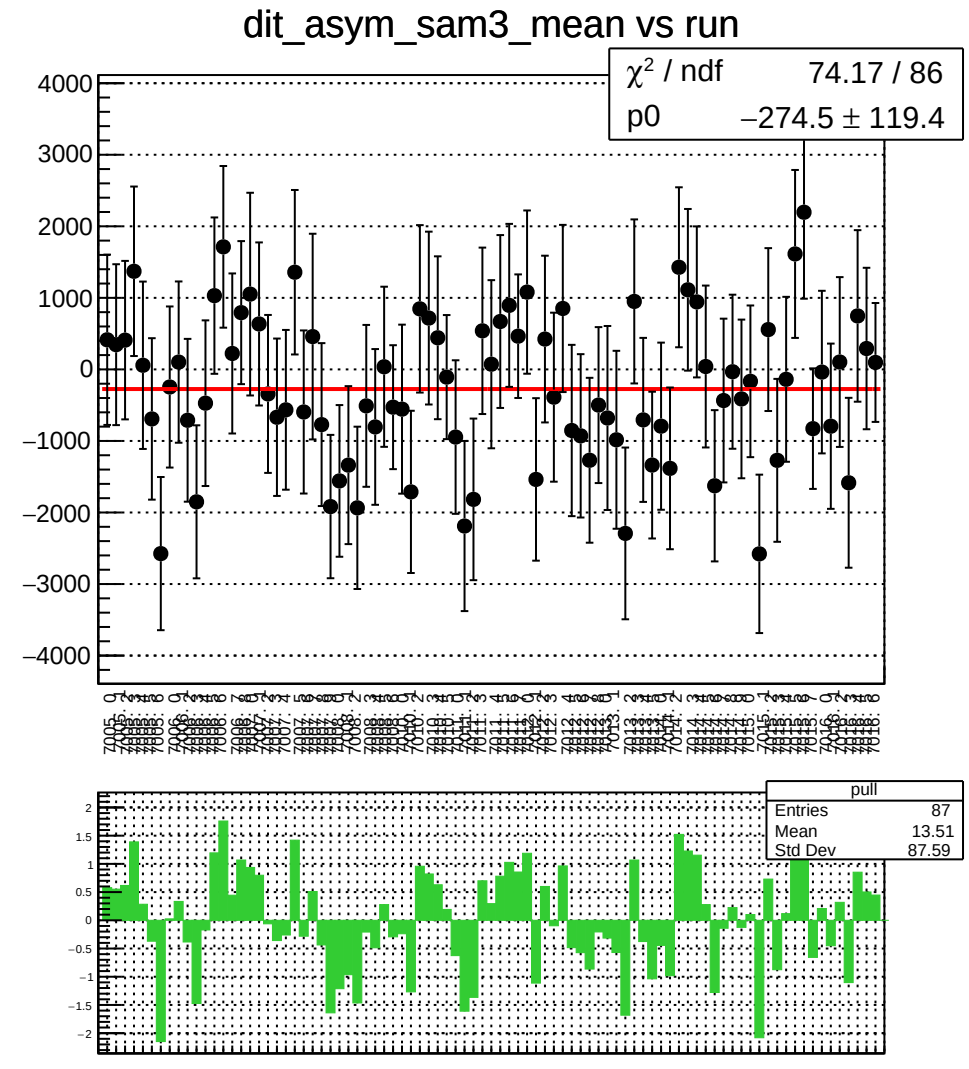

pull1D
Entries 87
Mean 0.008107
Std Dev 0.9519

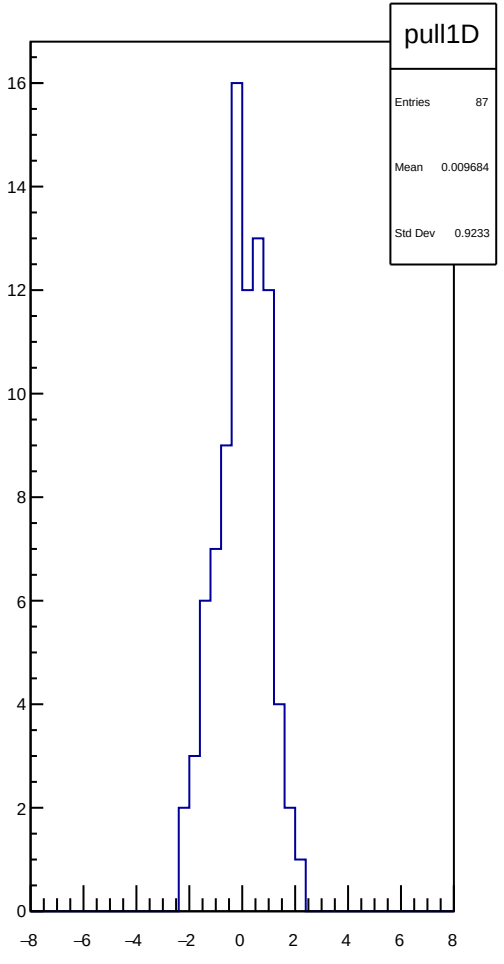

asym_sam2_correction_rms vs run
χ² / ndf 2595 / 86
p0 2074 ± 1.613
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850

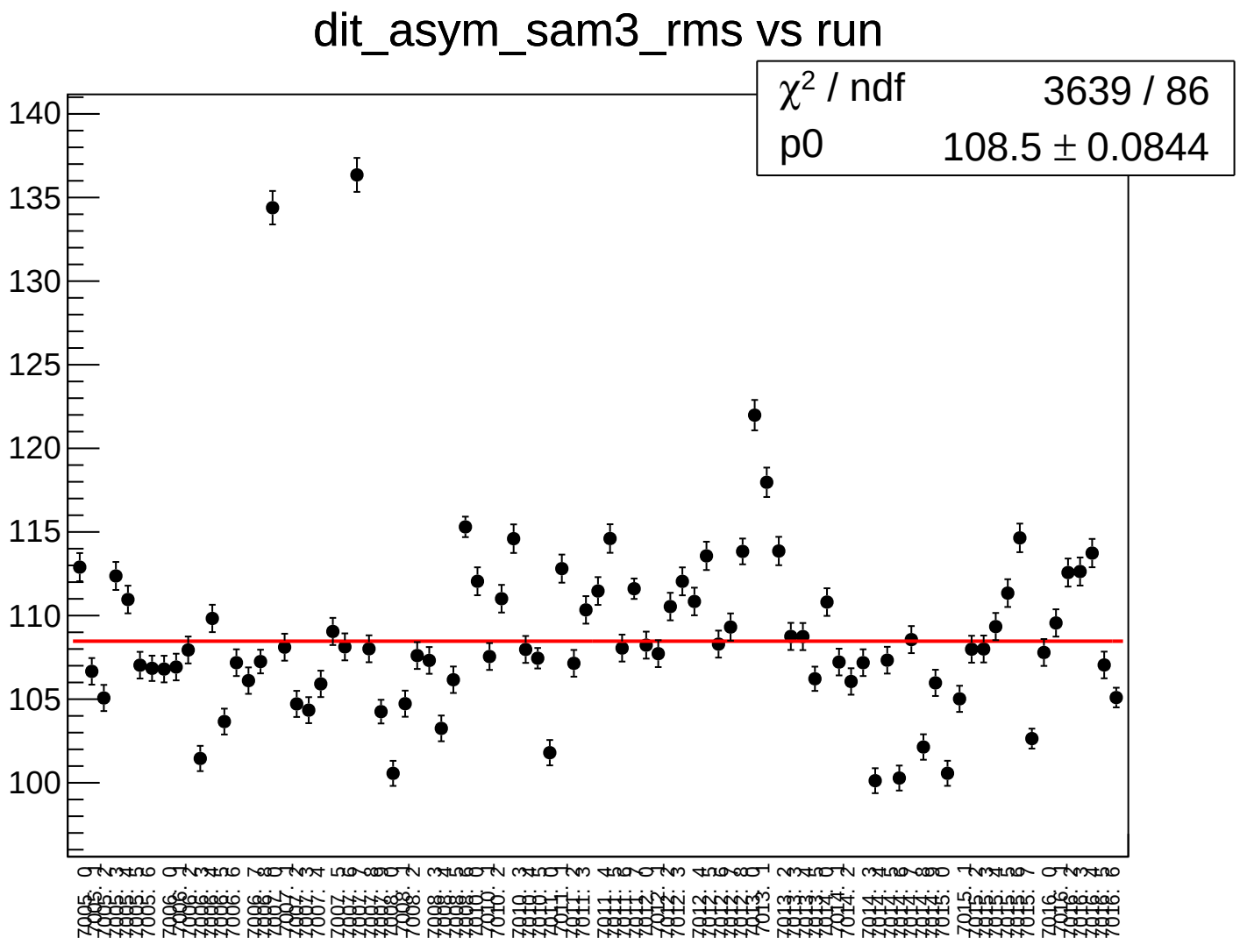

asym_sam2_mean vs run
×10^3
χ² / ndf 77.16 / 86
p0 802.6 ± 2217
pull
Entries 87
Mean −174
Std Dev 188.6

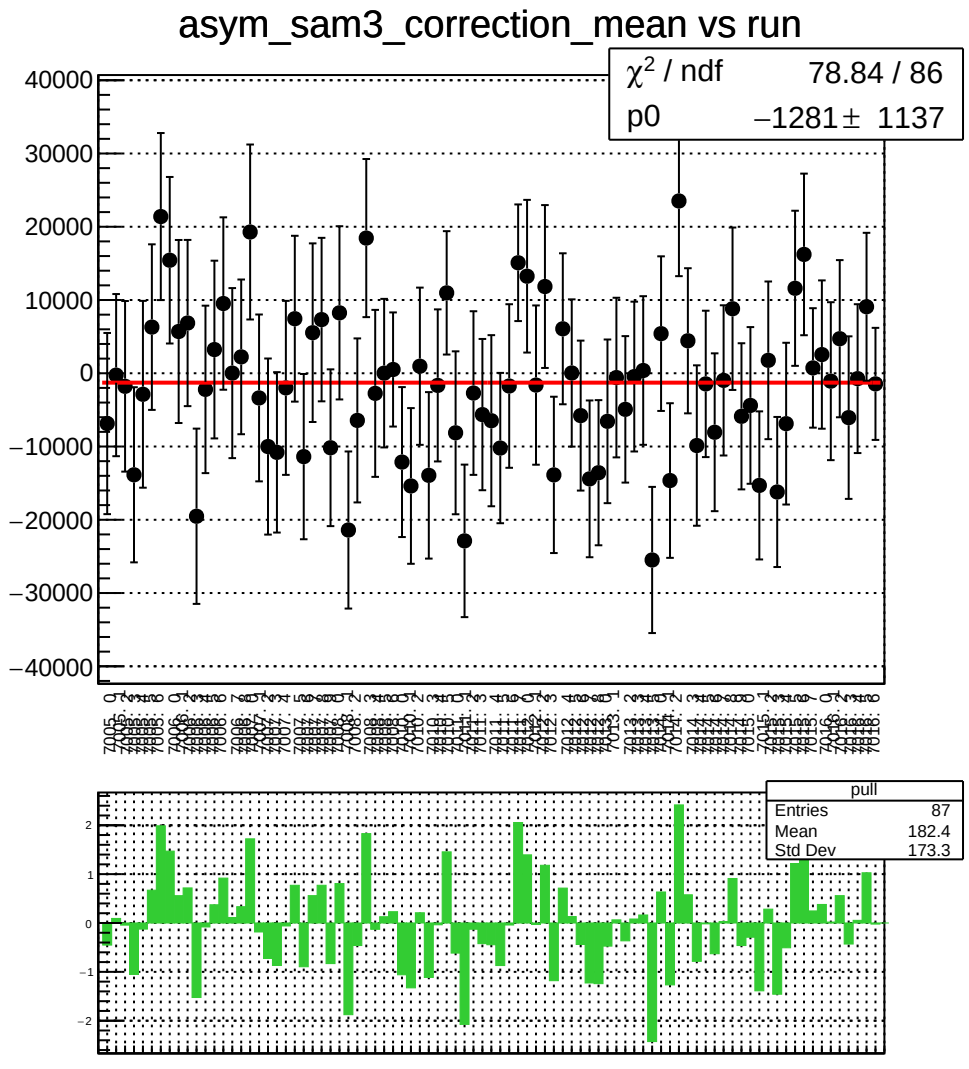

pull1D
Entries 87
Mean −0.009275
Std Dev 0.9417

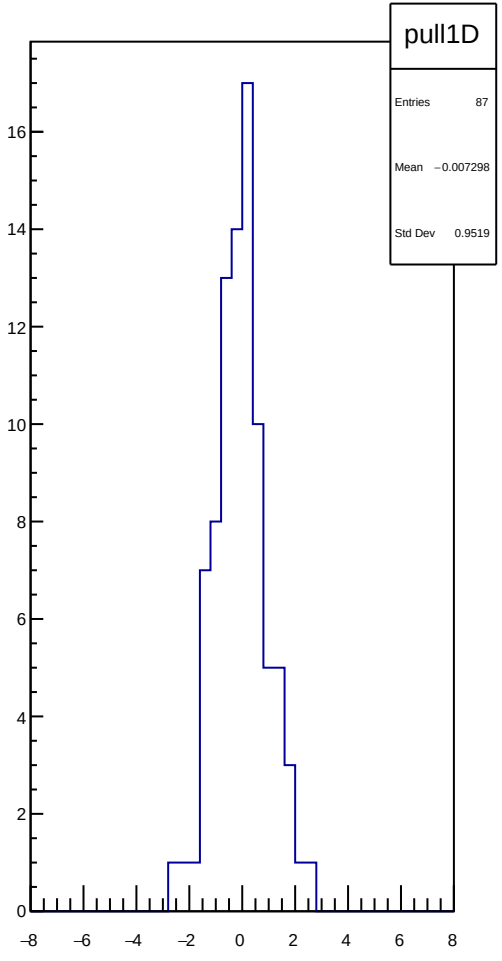

asym_sam2_rms vs run
χ² / ndf 3158 / 86
p0 2015 ± 1.568
2200
2100
2000
1900
1800

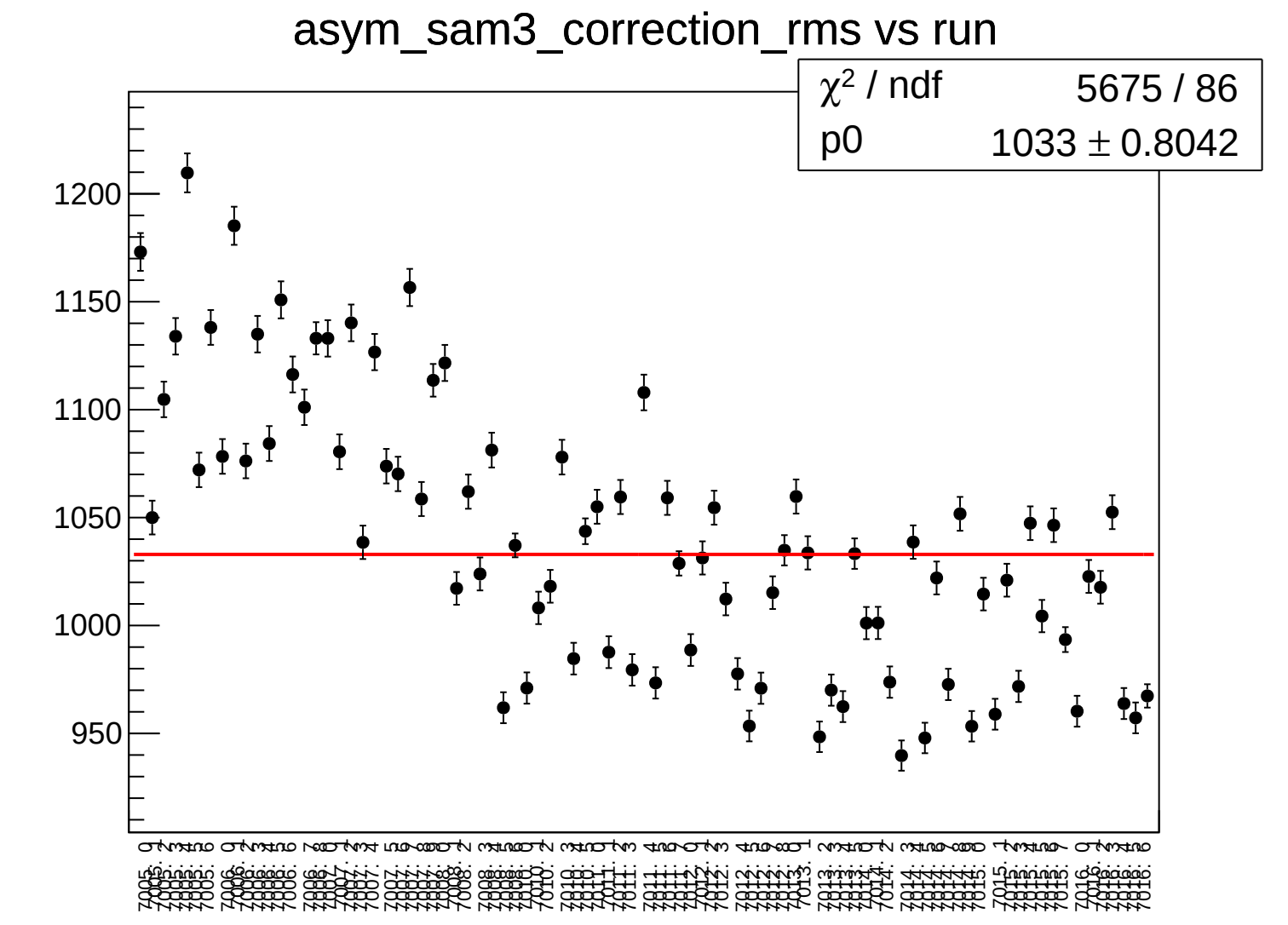

dit_asym_sam3_mean vs run
χ² / ndf 74.17 / 86
p0 −274.5 ± 119.4
pull
Entries 87
Mean 13.51
Std Dev 87.59

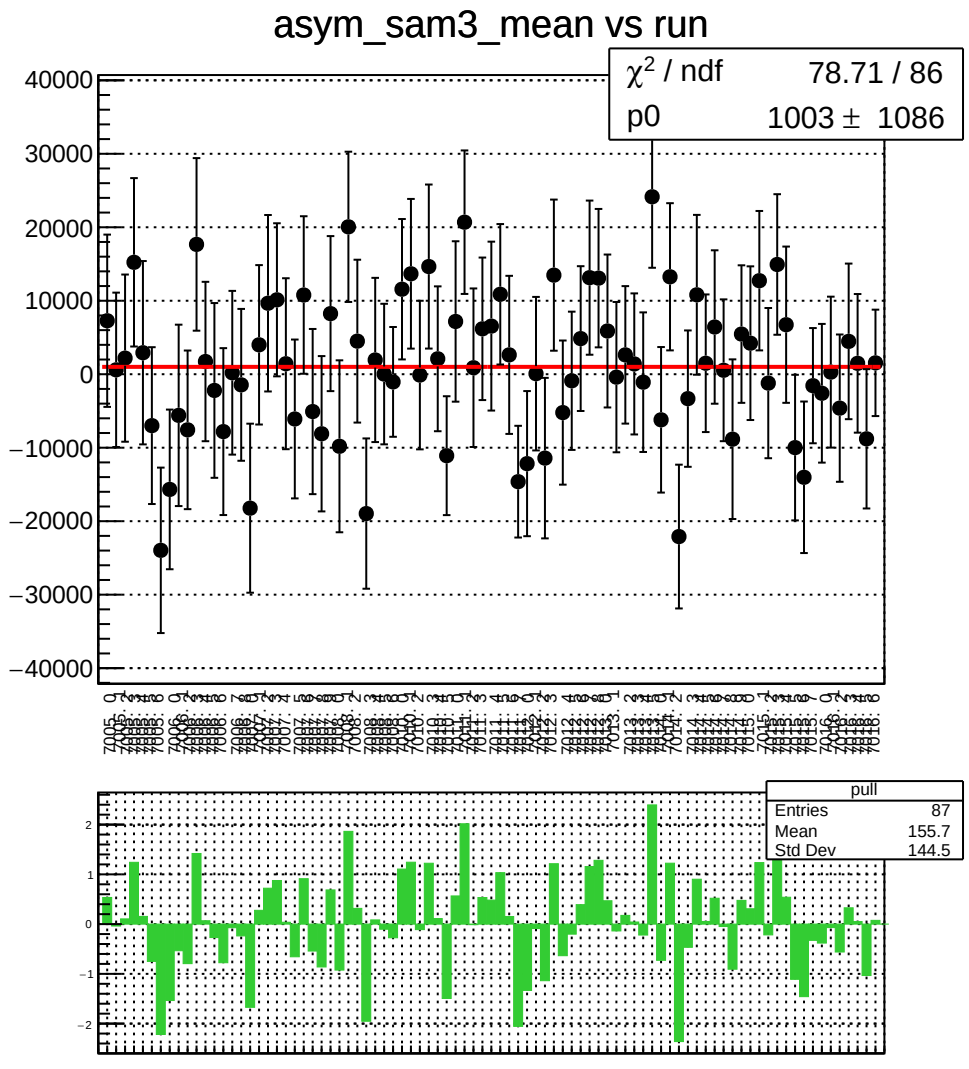

pull1D
Entries 87
Mean 0.009684
Std Dev 0.9233

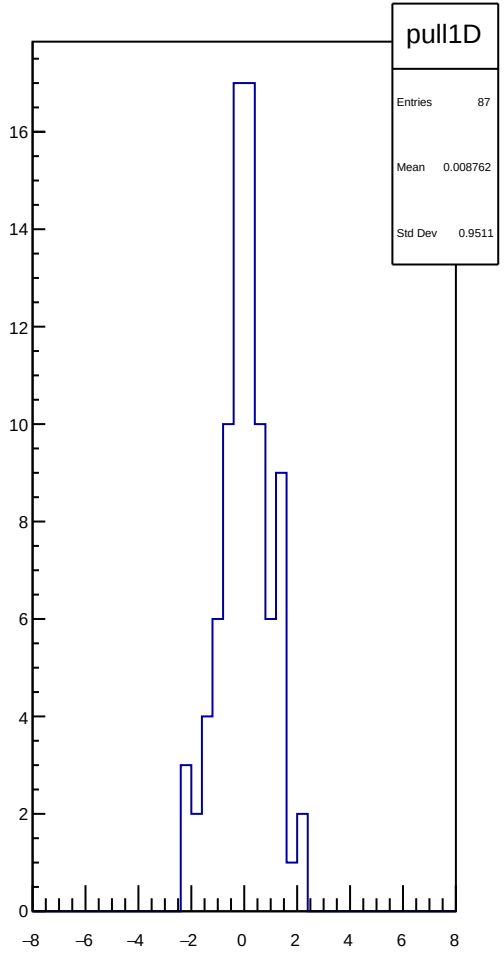

dit_asym_sam3_rms vs run
χ² / ndf 3639 / 86
p0 108.5 ± 0.0844
140
135
130
125
120
115
110
105
100

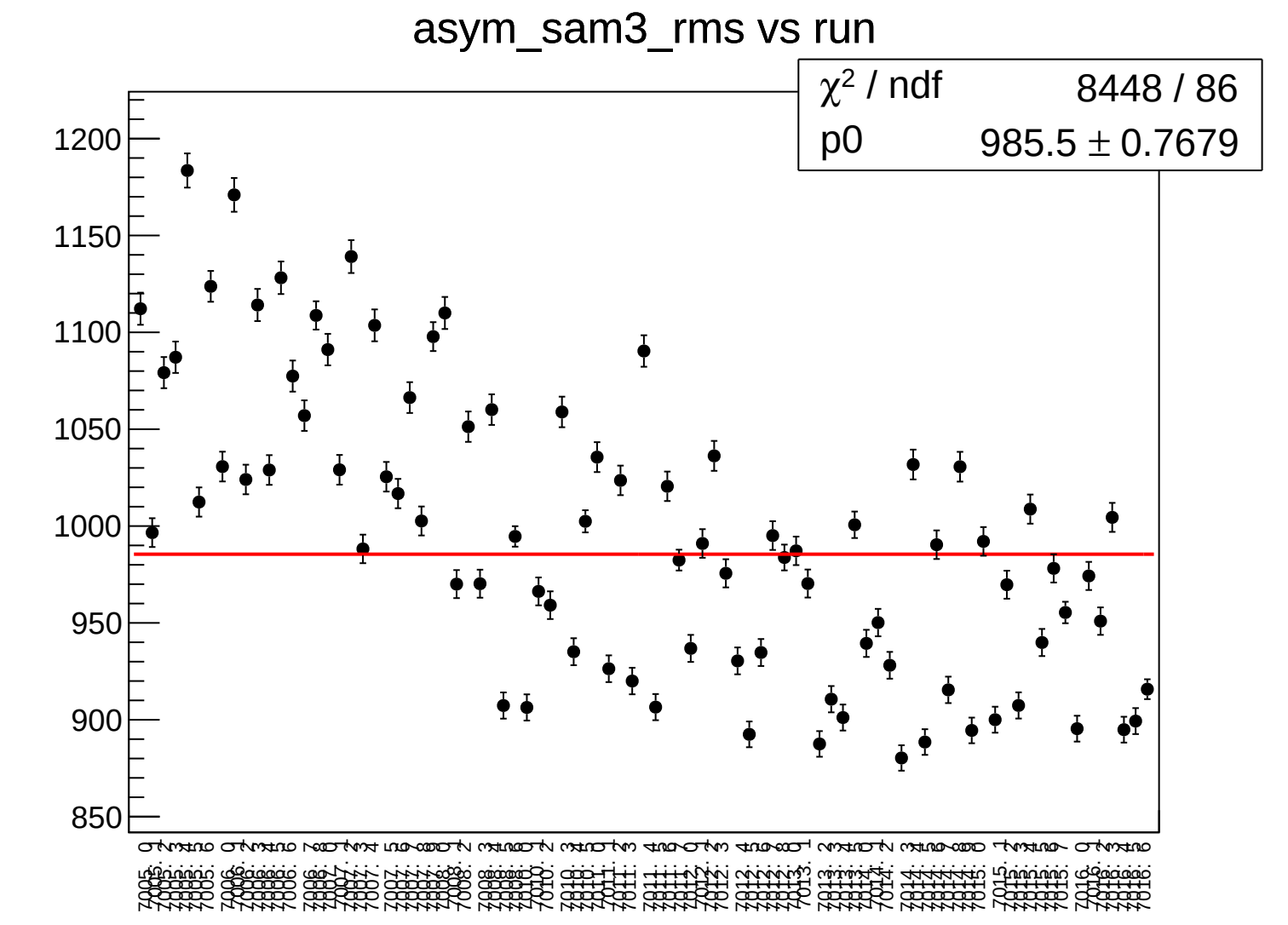

asym_sam3_correction_mean vs run
χ² / ndf 78.84 / 86
p0 −1281 ± 1137
pull
Entries 87
Mean 182.4
Std Dev 173.3

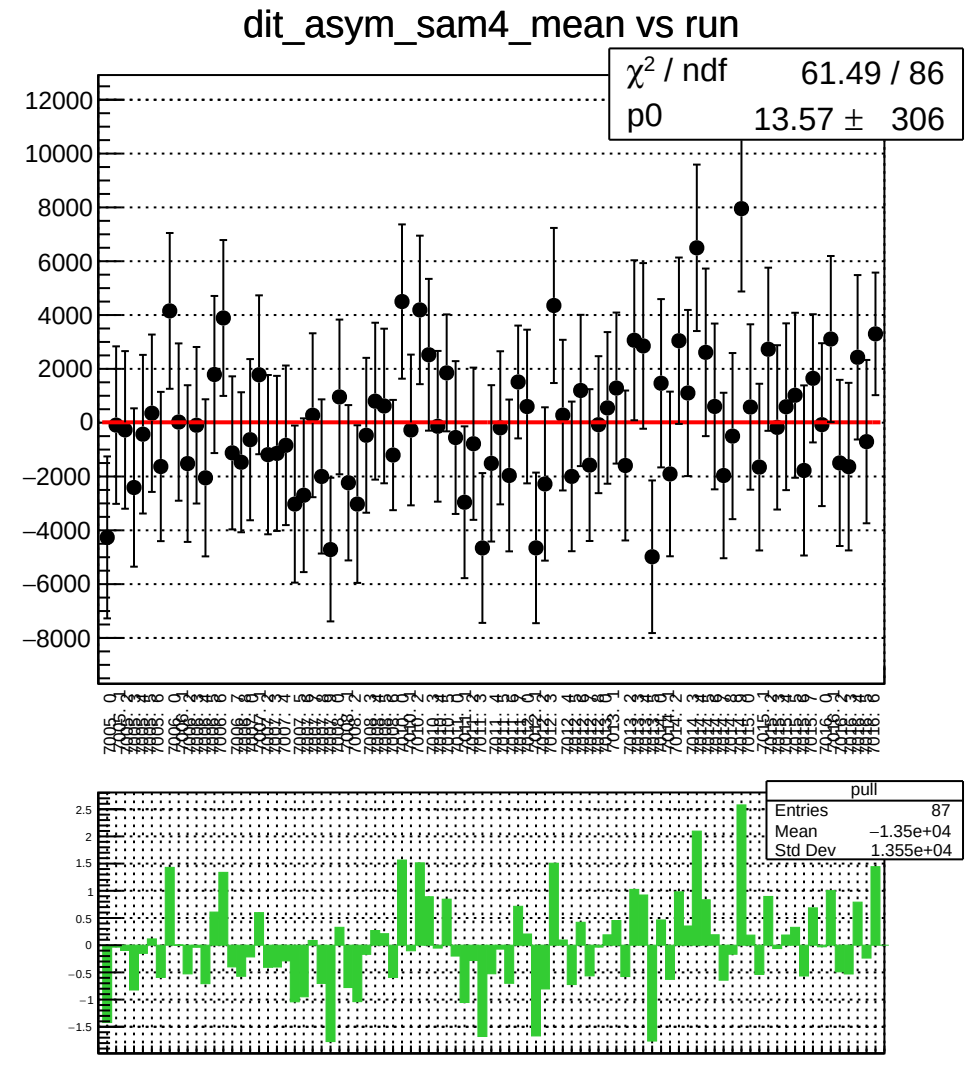

pull1D
Entries 87
Mean −0.007298
Std Dev 0.9519

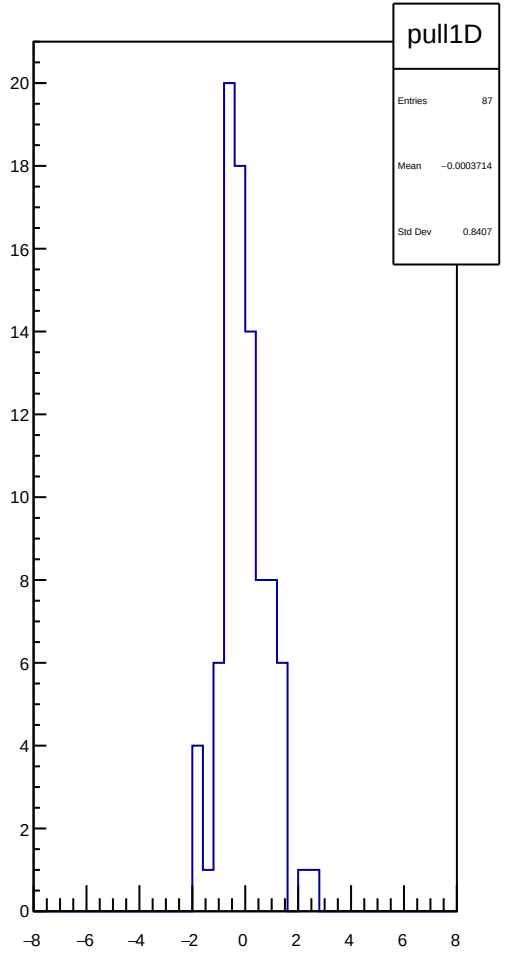

asym_sam3_correction_rms vs run
χ² / ndf 5675 / 86
p0 1033 ± 0.8042
1200
1150
1100
1050
1000
950

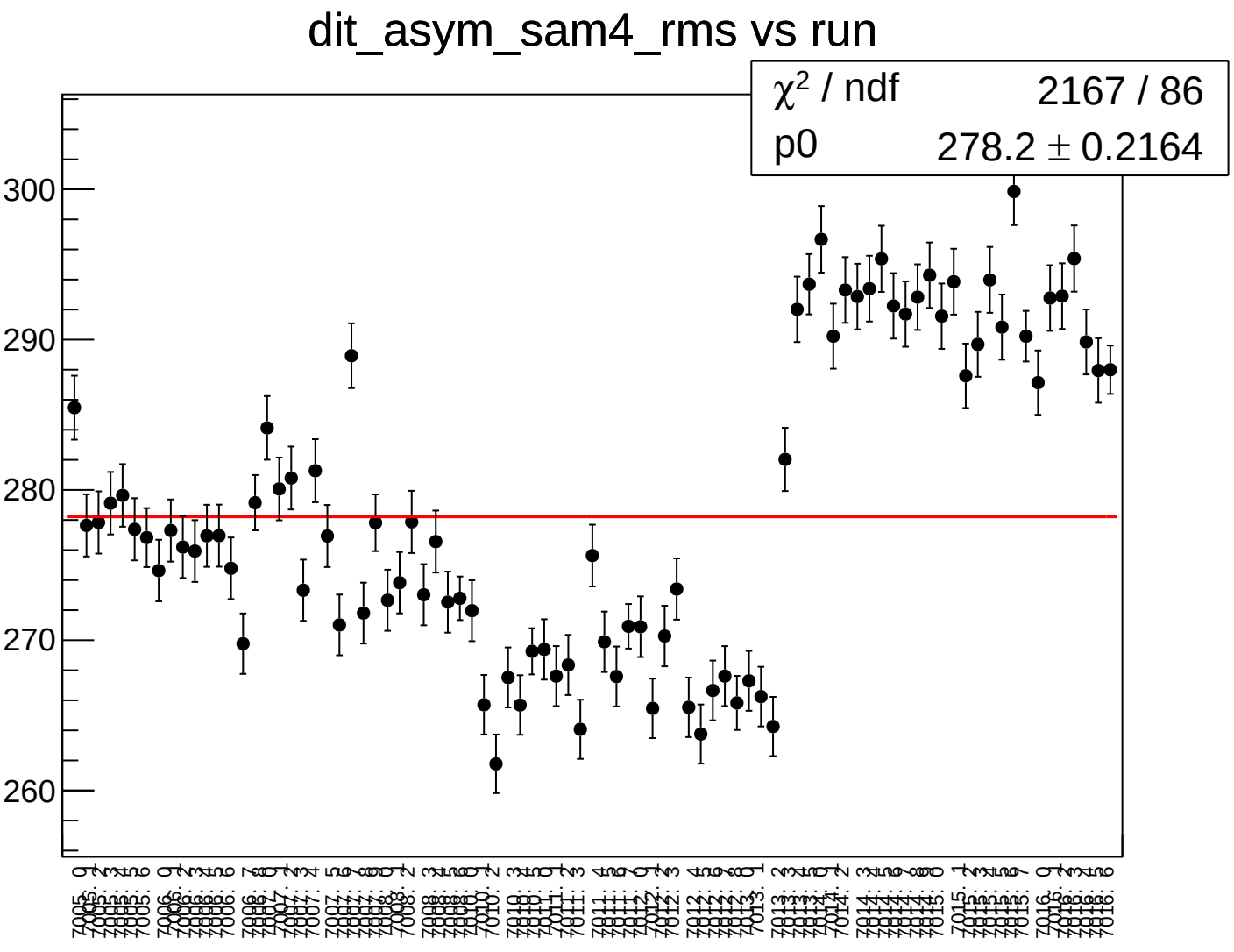

asym_sam3_mean vs run
χ² / ndf 78.71 / 86
p0 1003 ± 1086
pull
Entries 87
Mean 155.7
Std Dev 144.5

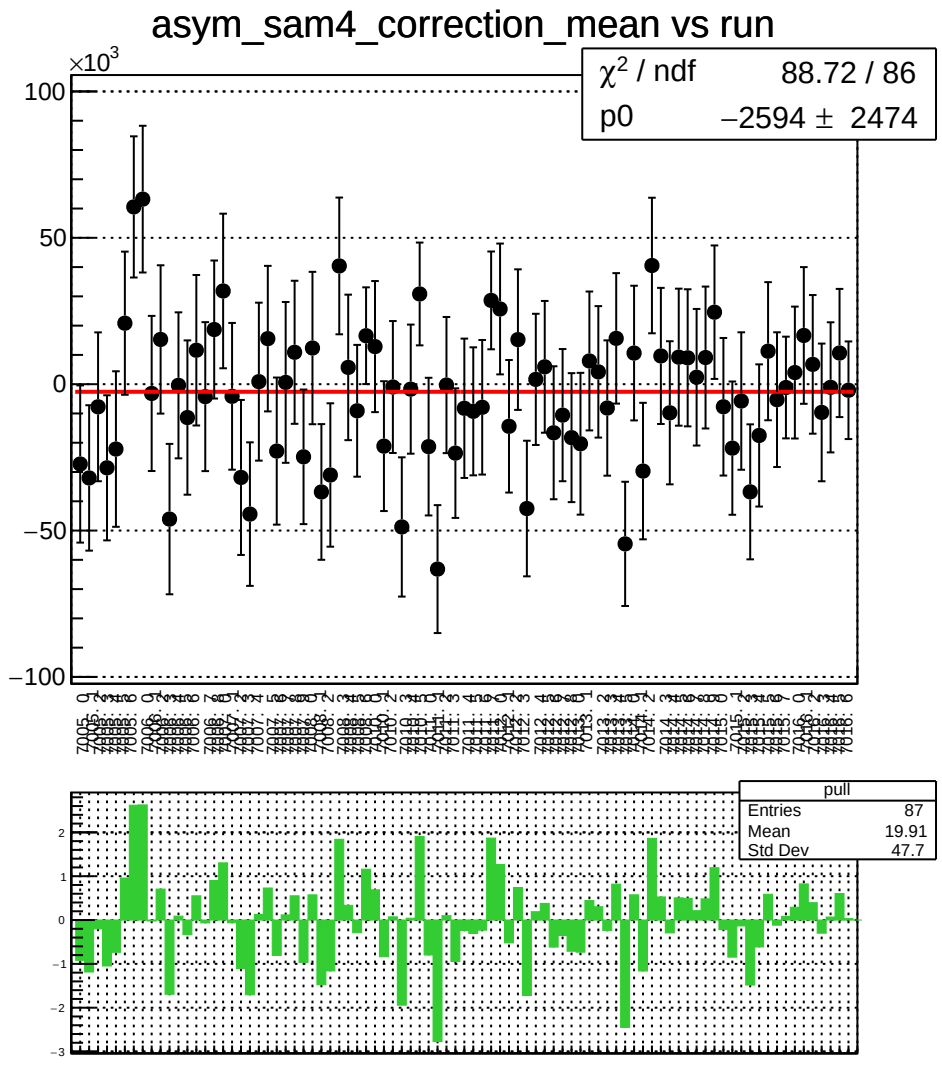

pull1D
Entries 87
Mean 0.008762
Std Dev 0.9511

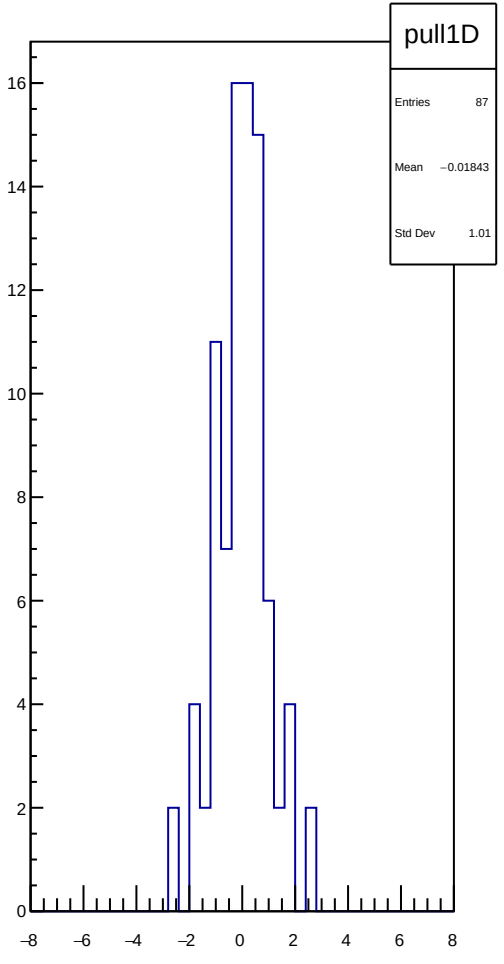

asym_sam3_rms vs run
χ² / ndf 8448 / 86
p0 985.5 ± 0.7679
1200
1150
1100
1050
1000
950
900
850

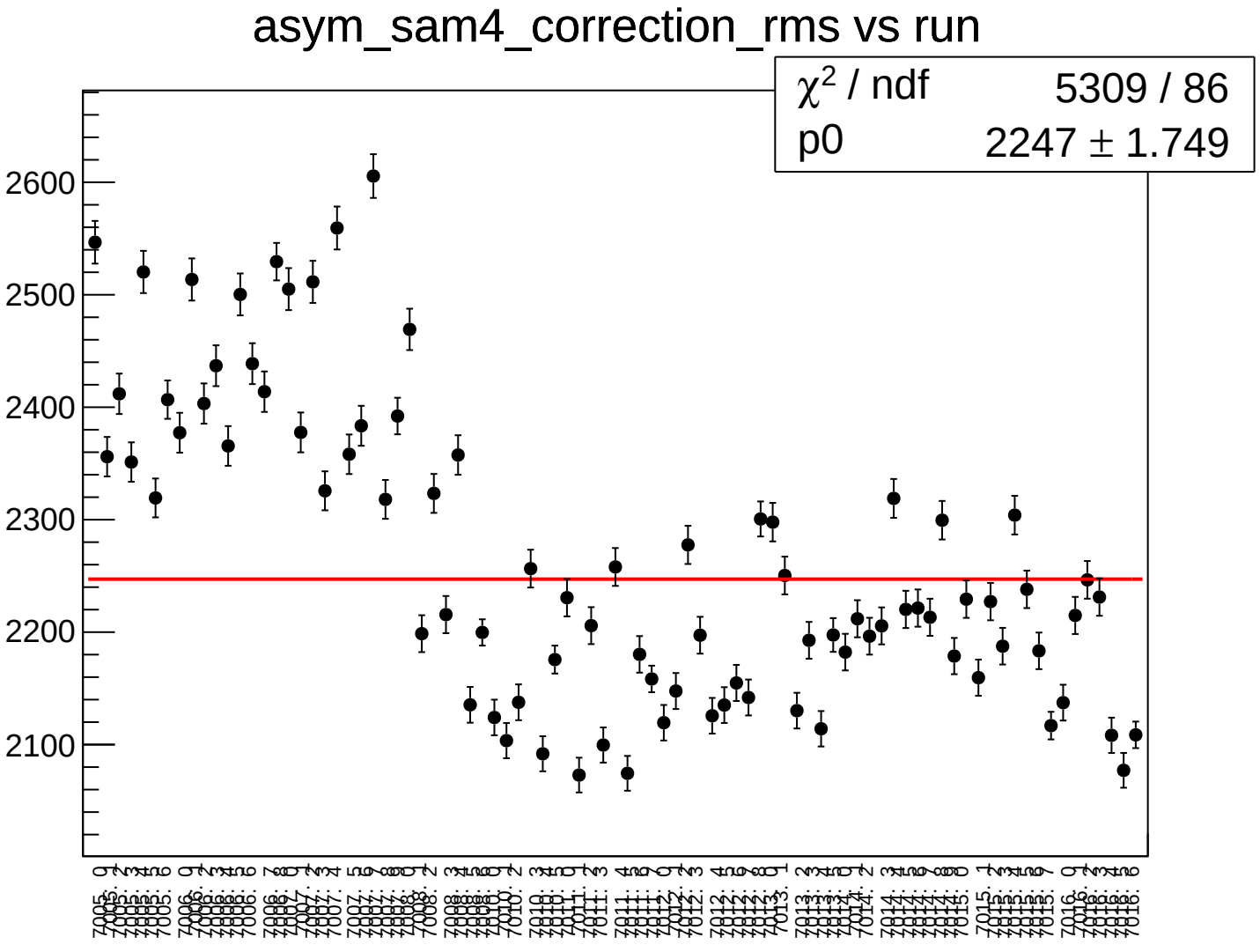

dit_asym_sam4_mean vs run
χ² / ndf 61.49 / 86
p0 13.57 ± 306
pull
Entries 87
Mean −1.35e+04
Std Dev 1.355e+04

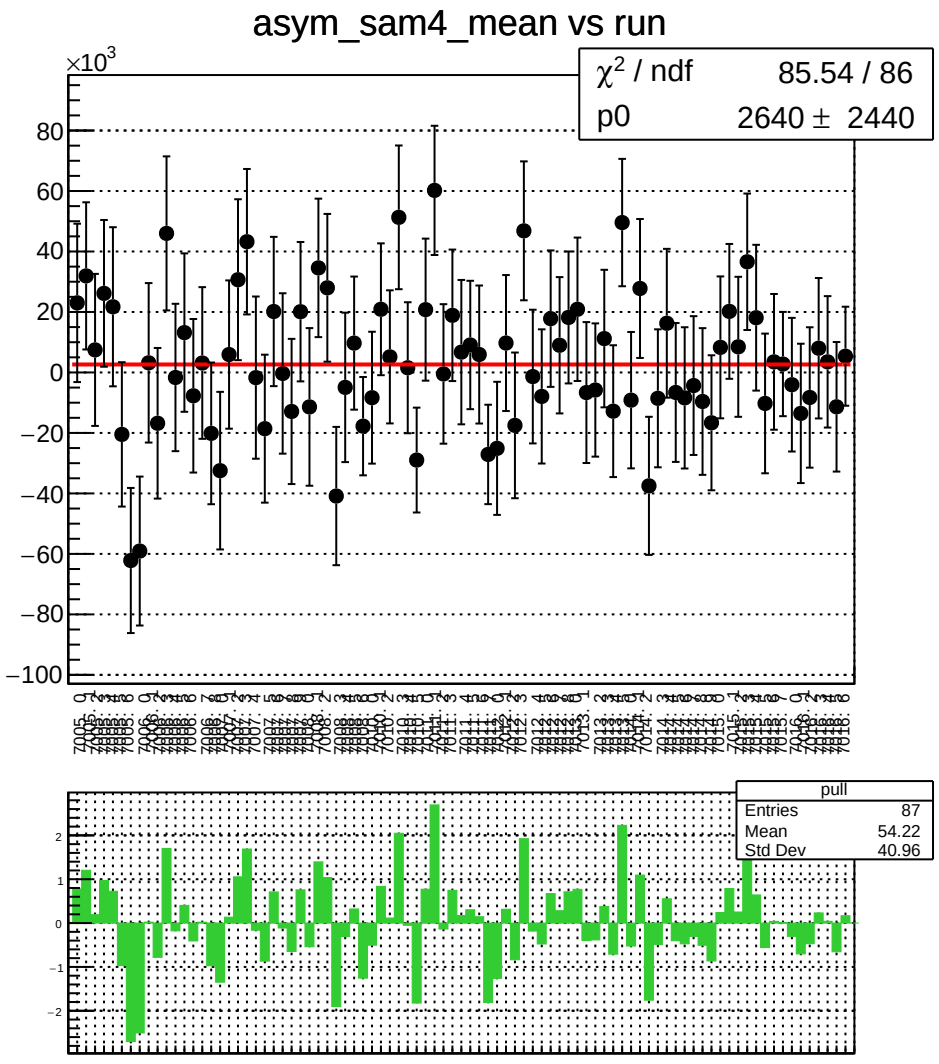

pull1D
Entries 87
Mean −0.0003714
Std Dev 0.8407

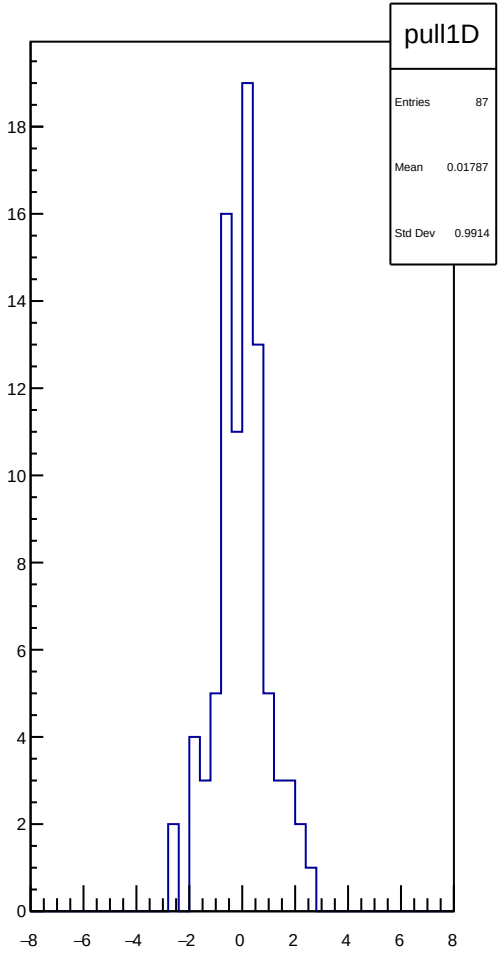

dit_asym_sam4_rms vs run
χ² / ndf 2167 / 86
p0 278.2 ± 0.2164
300
290
280
270
260

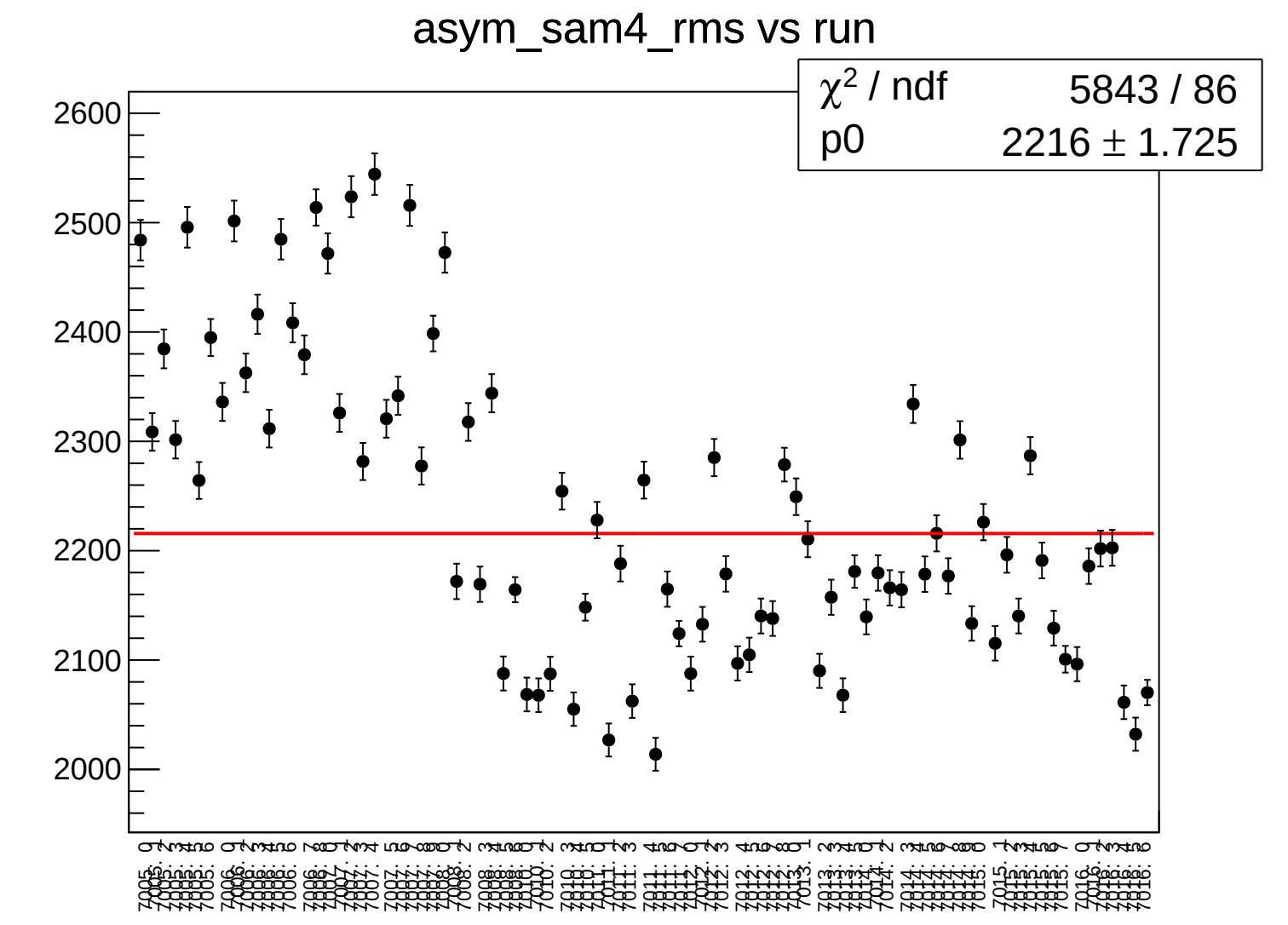

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.72 / 86
p0 −2594 ± 2474
100
50
0
−50
−100
pull
Entries 87
Mean 19.91
Std Dev 47.7
2
1
0
−1
−2
−3

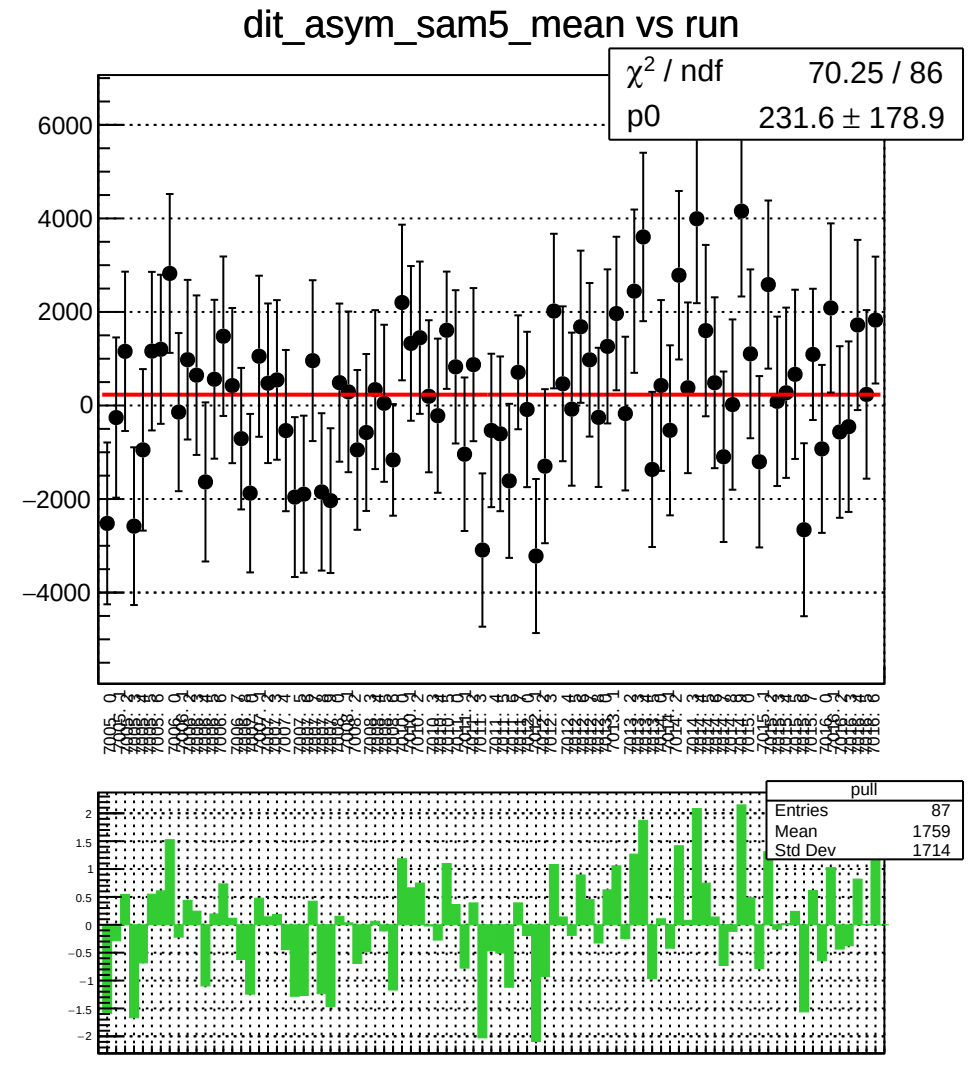

pull1D
Entries 87
Mean −0.01843
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

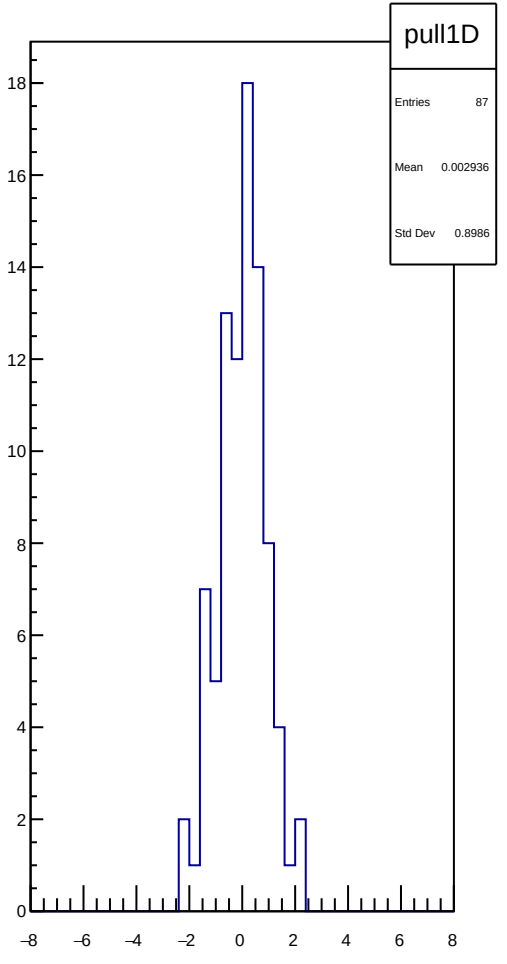

asym_sam4_correction_rms vs run
χ² / ndf 5309 / 86
p0 2247 ± 1.749
2600
2500
2400
2300
2200
2100

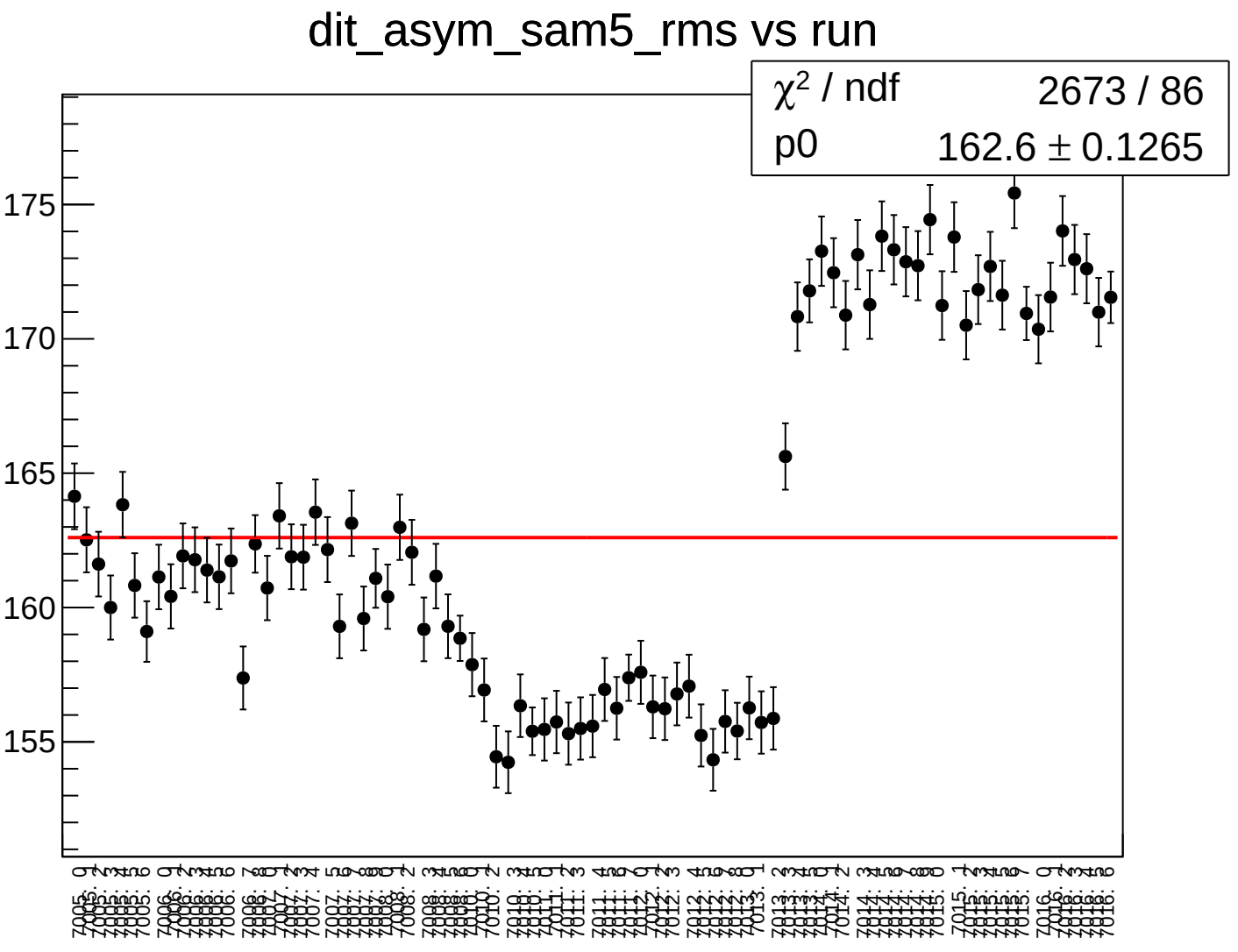

asym_sam4_mean vs run
×10^3
χ² / ndf 85.54 / 86
p0 2640 ± 2440
pull
Entries 87
Mean 54.22
Std Dev 40.96

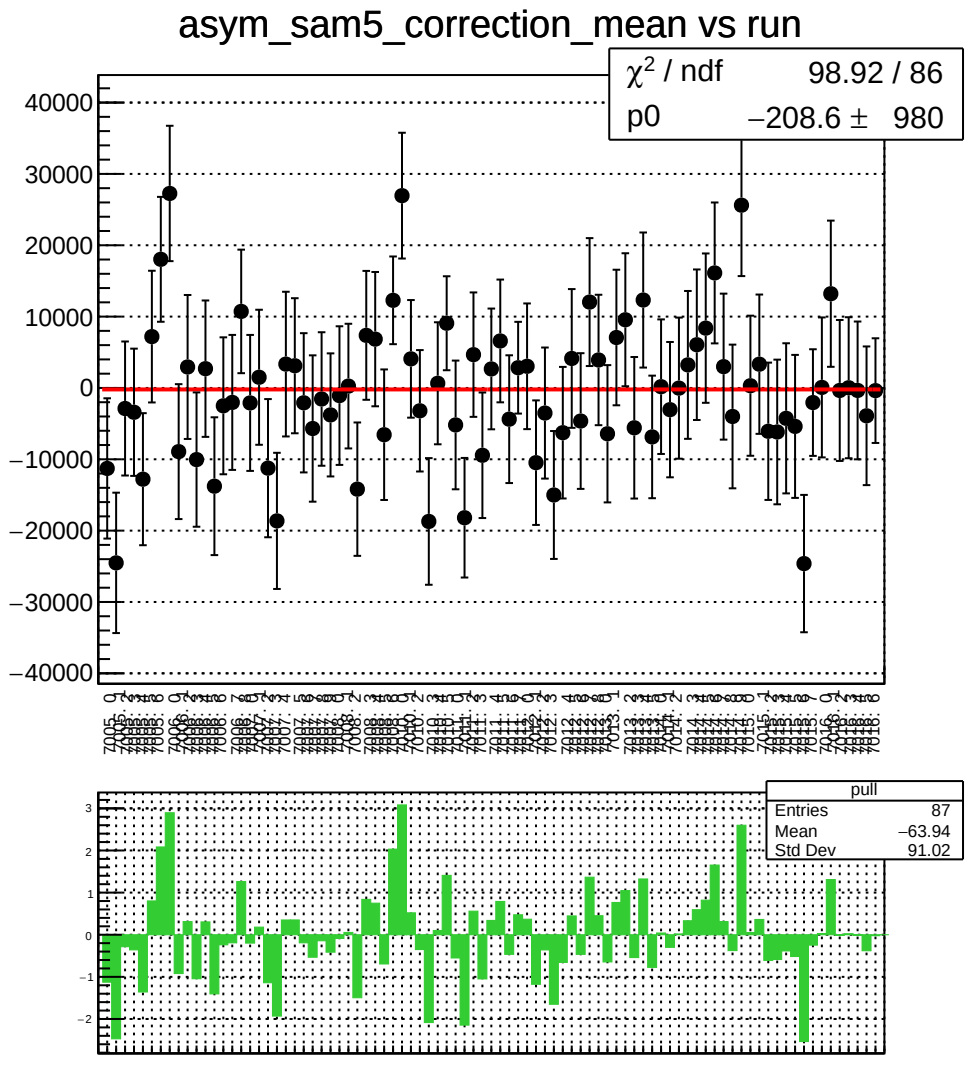

pull1D
Entries 87
Mean 0.01787
Std Dev 0.9914

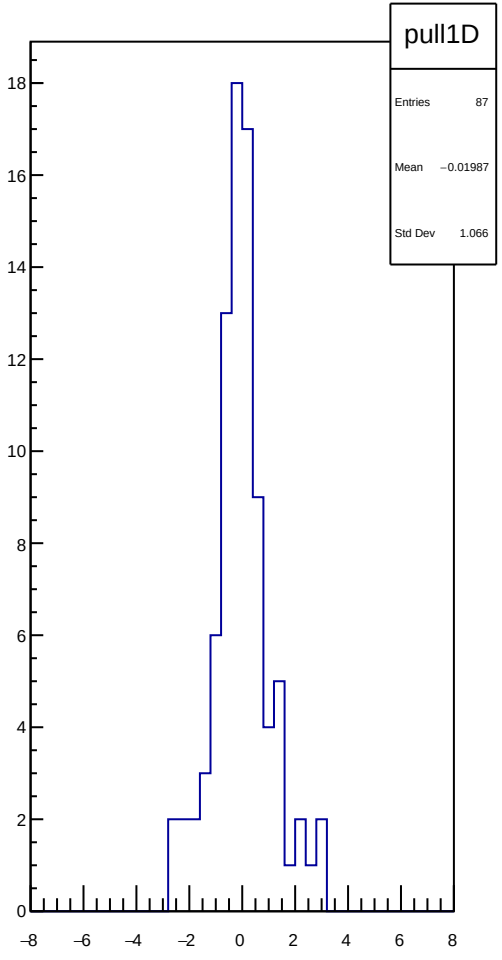

asym_sam4_rms vs run
χ² / ndf 5843 / 86
p0 2216 ± 1.725
2600
2500
2400
2300
2200
2100
2000

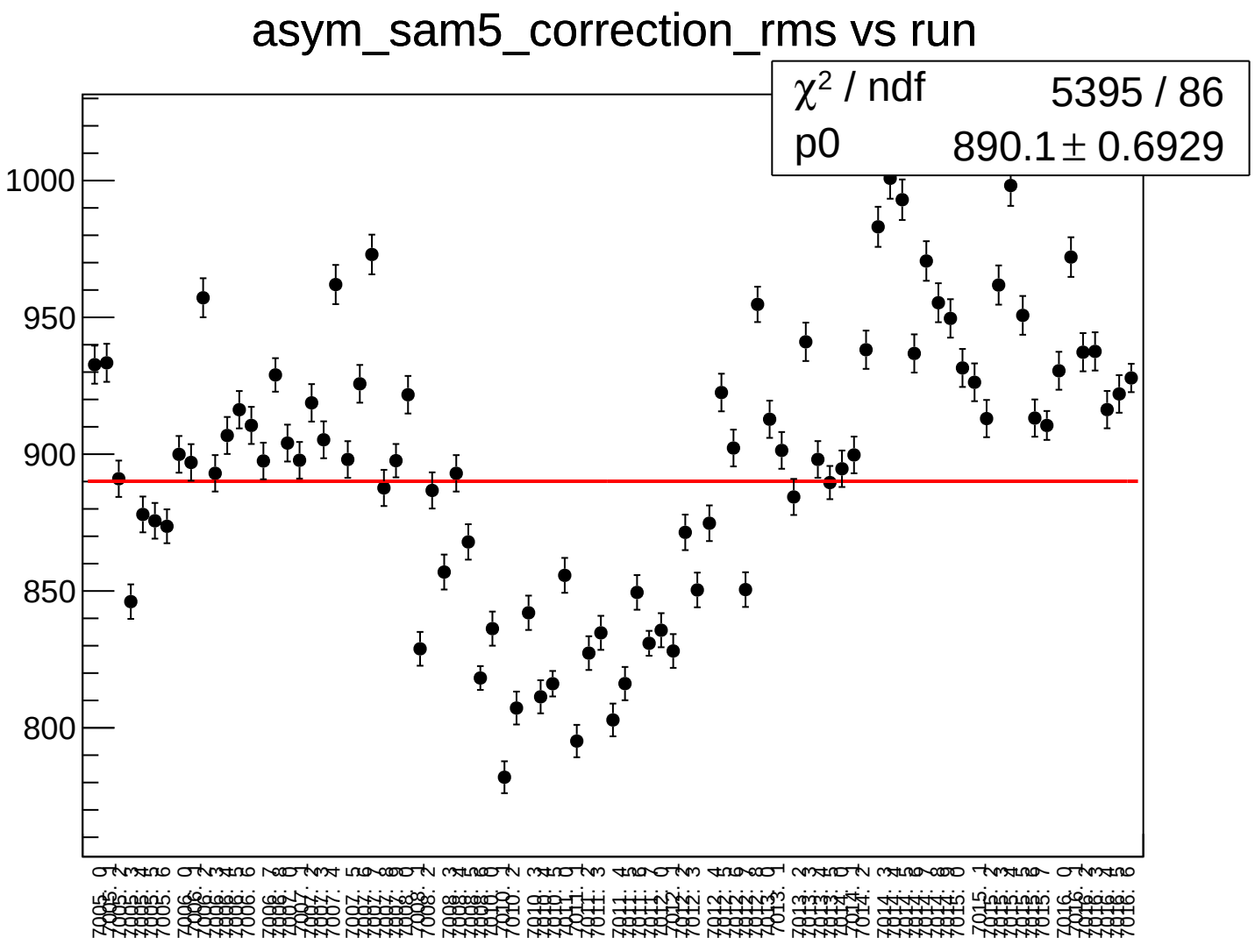

dit_asym_sam5_mean vs run
χ^2 / ndf 70.25 / 86
p0 231.6 ± 178.9
6000
4000
2000
0
−2000
−4000
pull
Entries 87
Mean 1759
Std Dev 1714
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

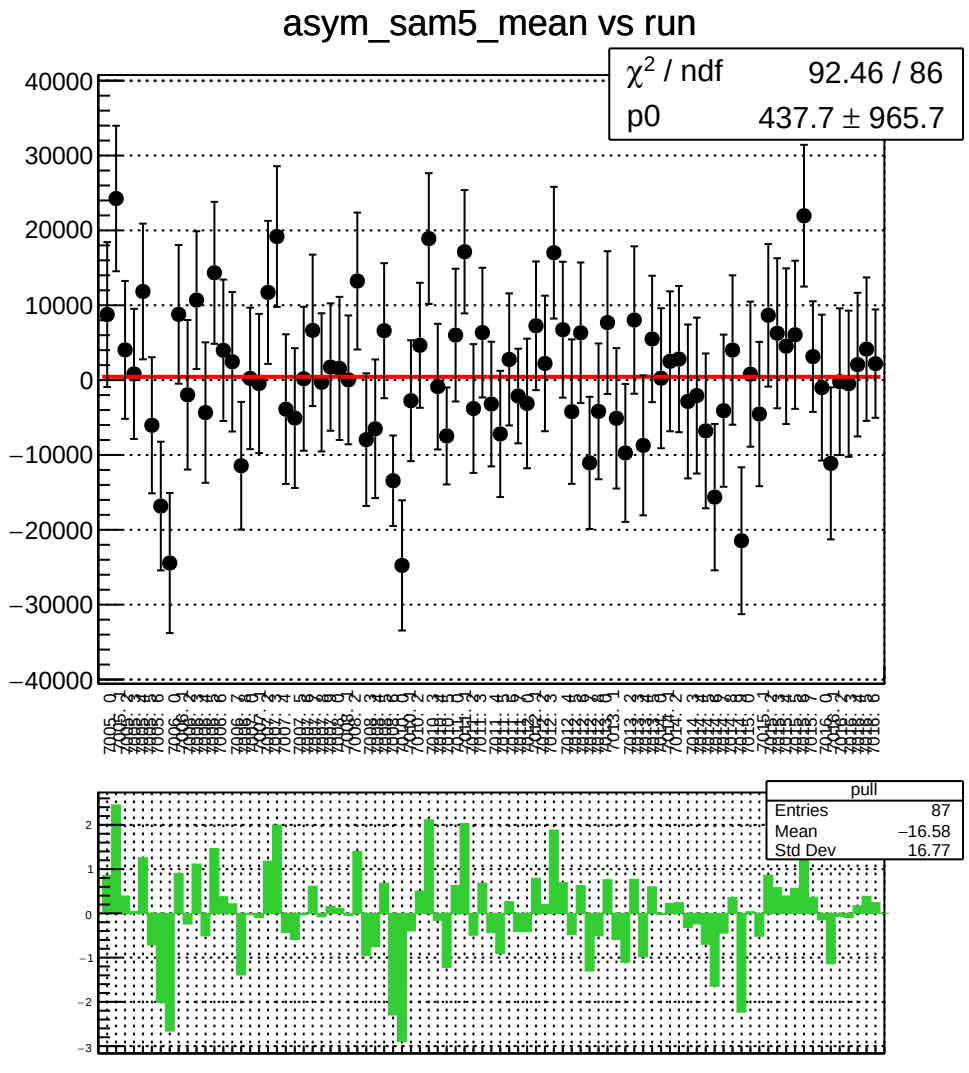

pull1D
Entries 87
Mean 0.002936
Std Dev 0.8986
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

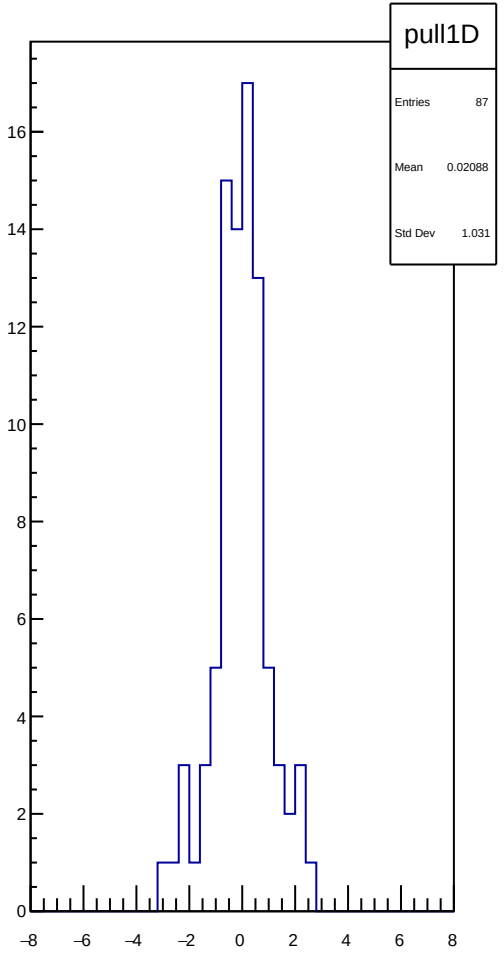

dit_asym_sam5_rms vs run
χ² / ndf 2673 / 86
p0 162.6 ± 0.1265
175
170
165
160
155

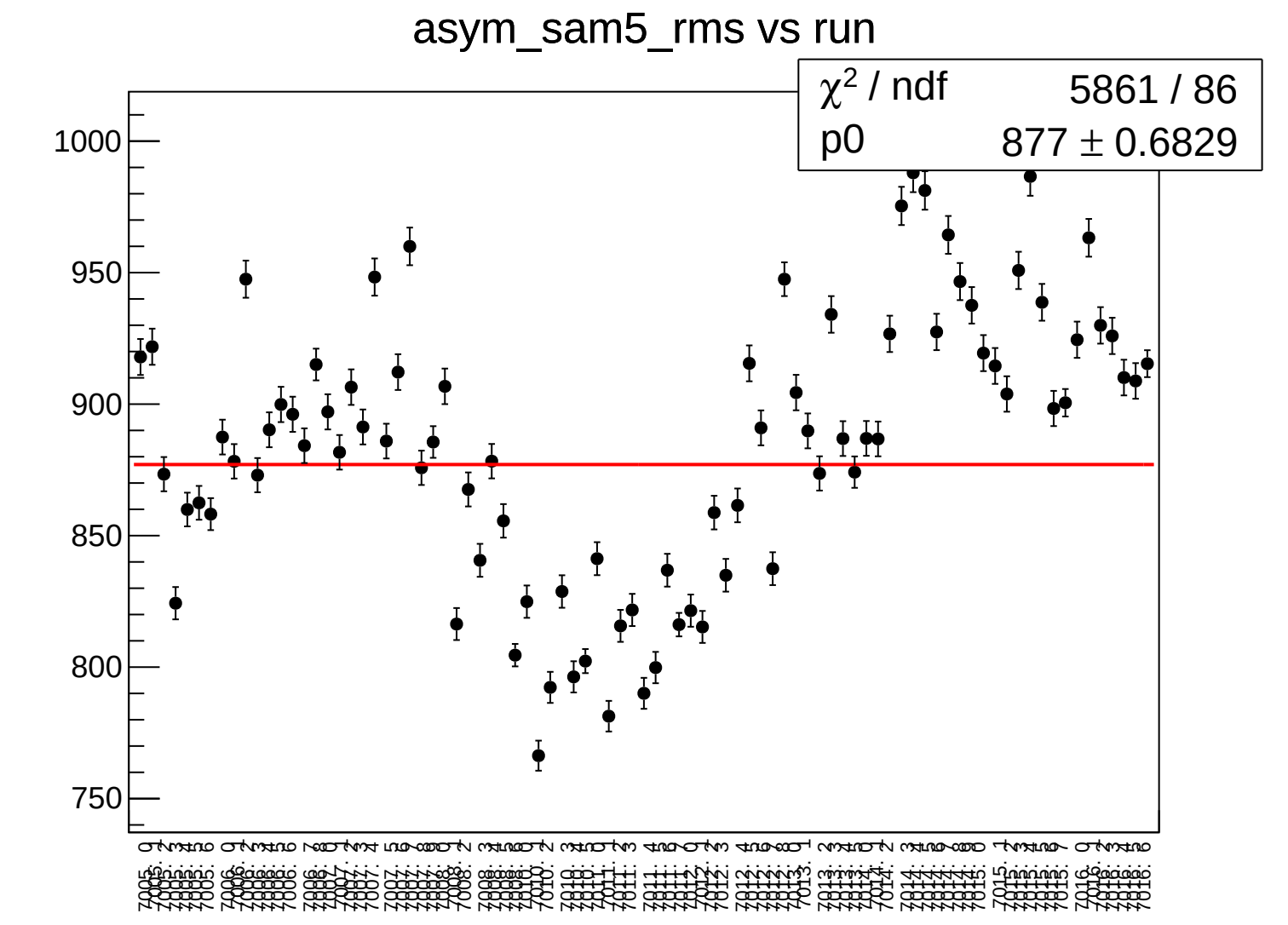

asym_sam5_correction_mean vs run
χ² / ndf 98.92 / 86
p0 −208.6 ± 980
pull
Entries 87
Mean −63.94
Std Dev 91.02

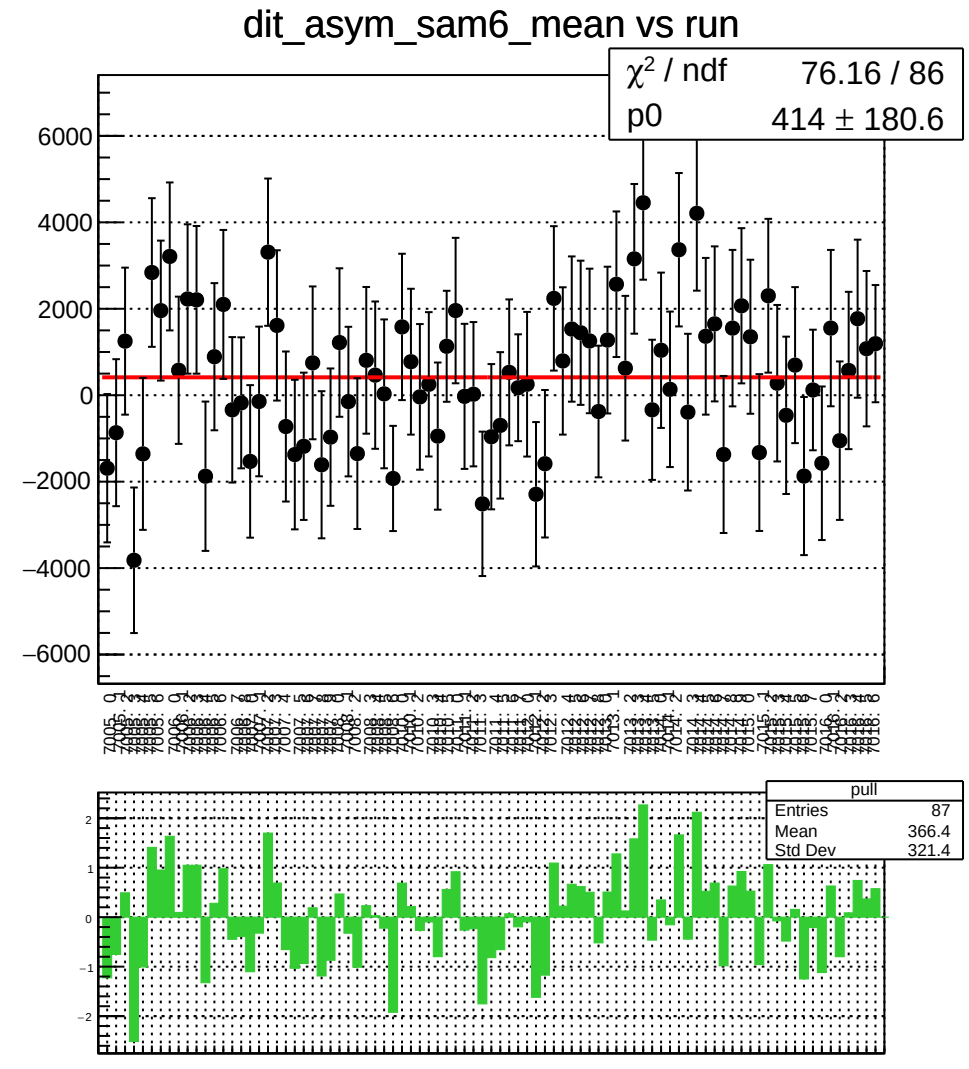

pull1D
Entries 87
Mean −0.01987
Std Dev 1.066

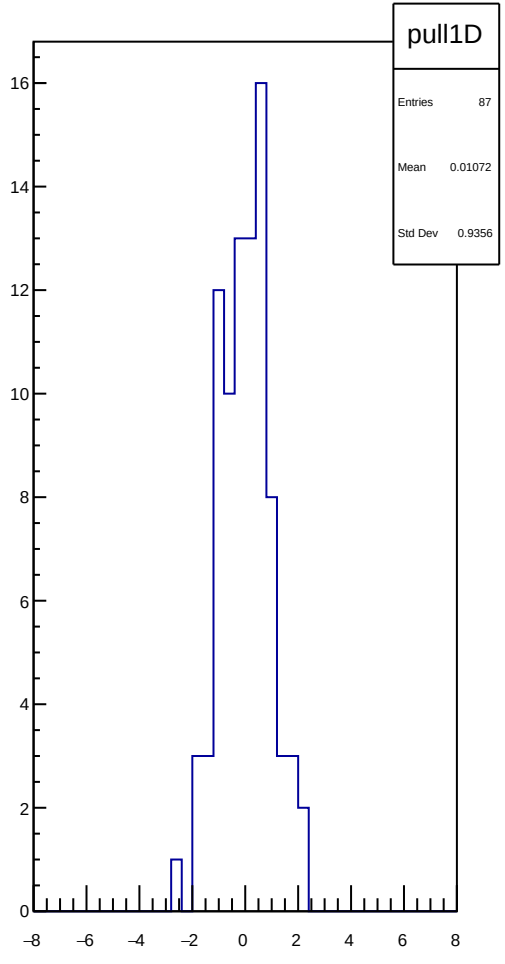

asym_sam5_correction_rms vs run
χ² / ndf 5395 / 86
p0 890.1 ± 0.6929
1000
950
900
850
800

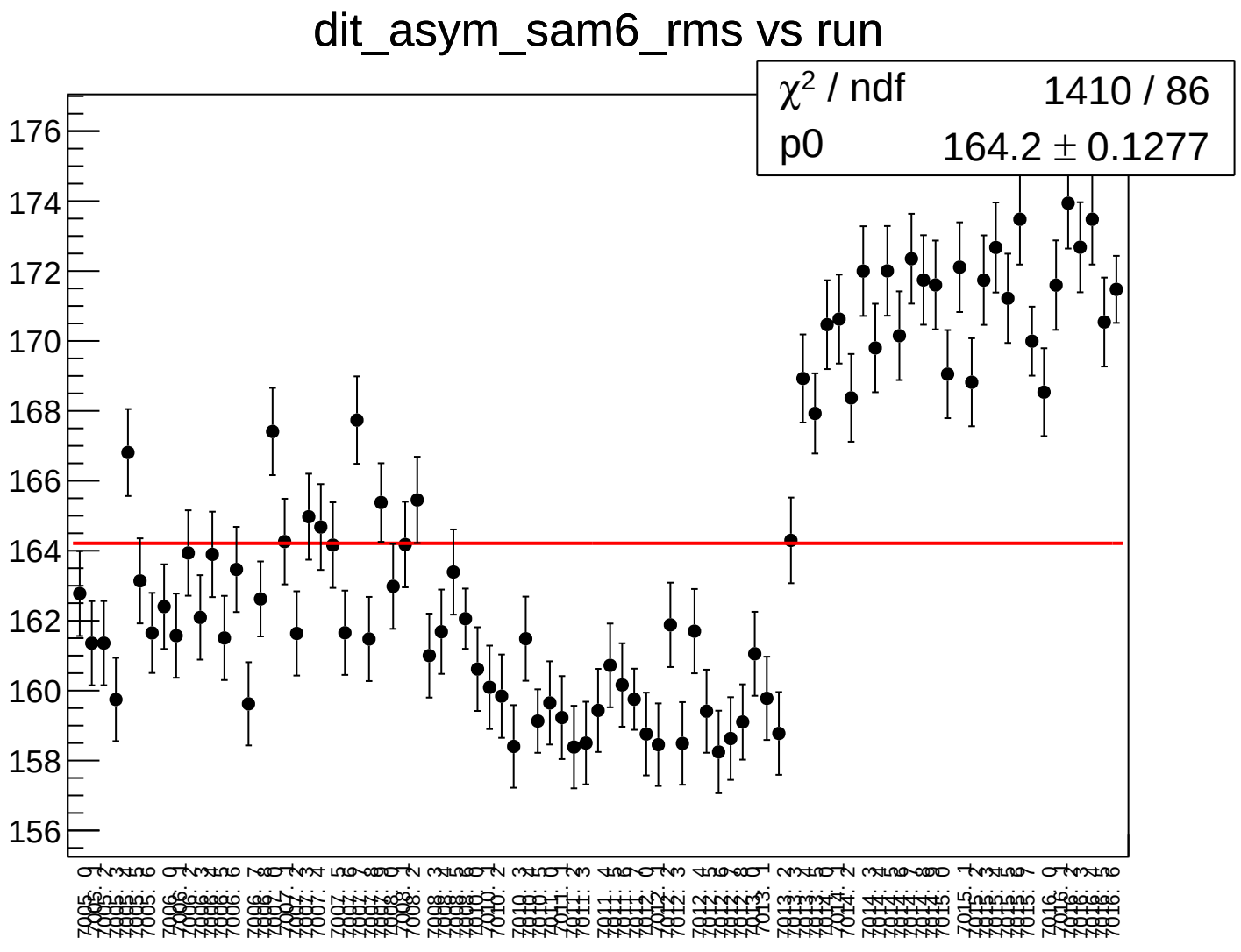

asym_sam5_mean vs run
χ² / ndf 92.46 / 86
p0 437.7 ± 965.7
pull
Entries 87
Mean −16.58
Std Dev 16.77

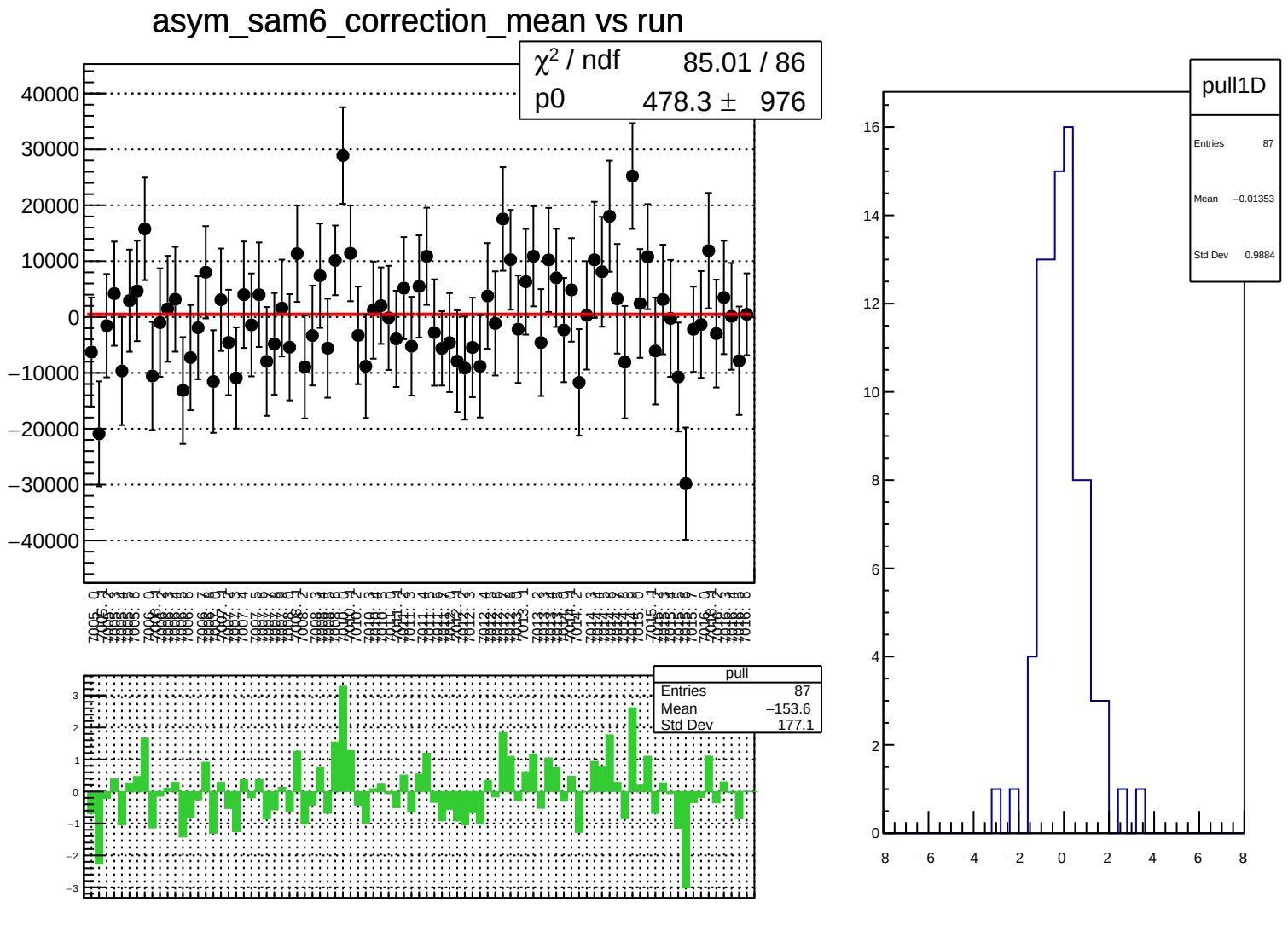

pull1D
Entries 87
Mean 0.02088
Std Dev 1.031

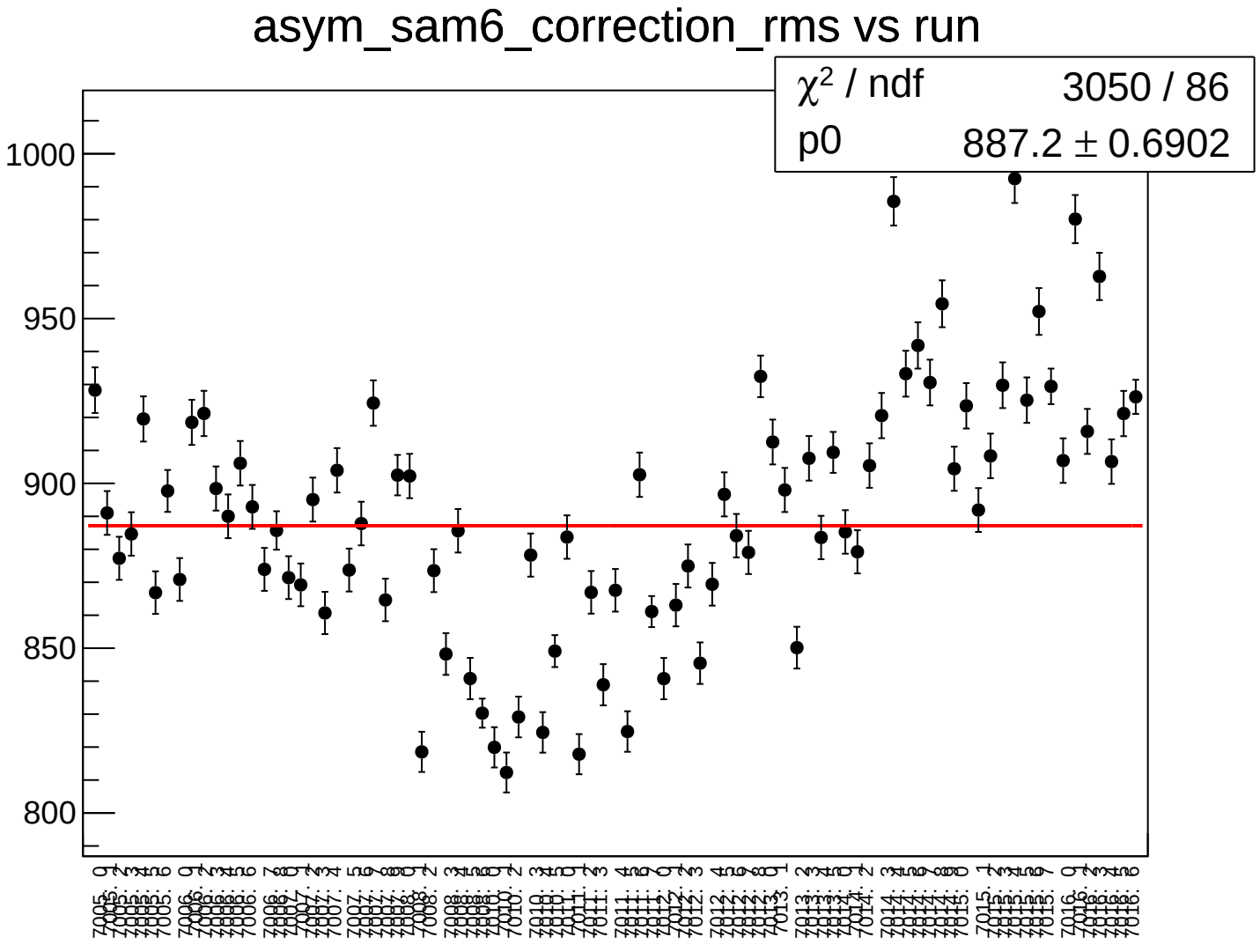

asym_sam5_rms vs run
χ² / ndf 5861 / 86
p0 877 ± 0.6829
1000
950
900
850
800
750

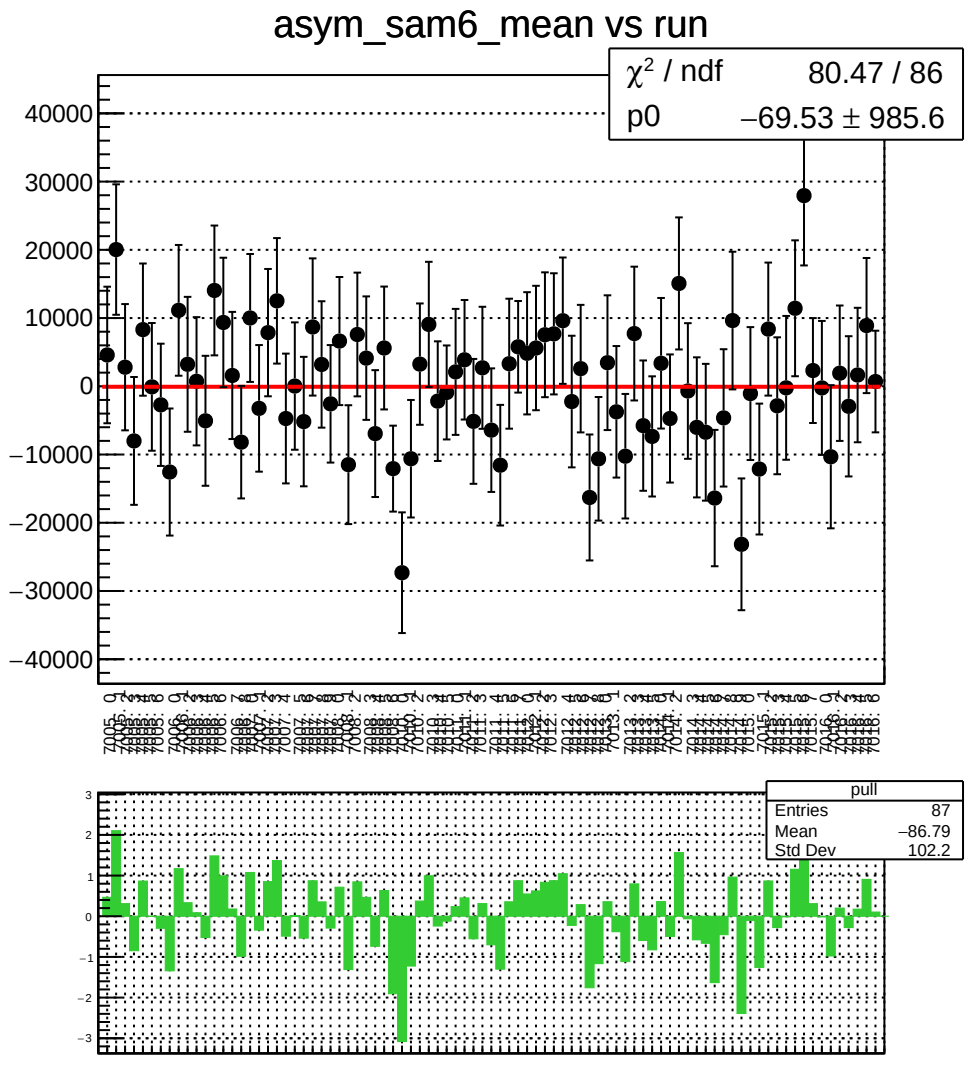

dit_asym_sam6_mean vs run
χ² / ndf 76.16 / 86
p0 414 ± 180.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 366.4
Std Dev 321.4
2
1
0
−1
−2

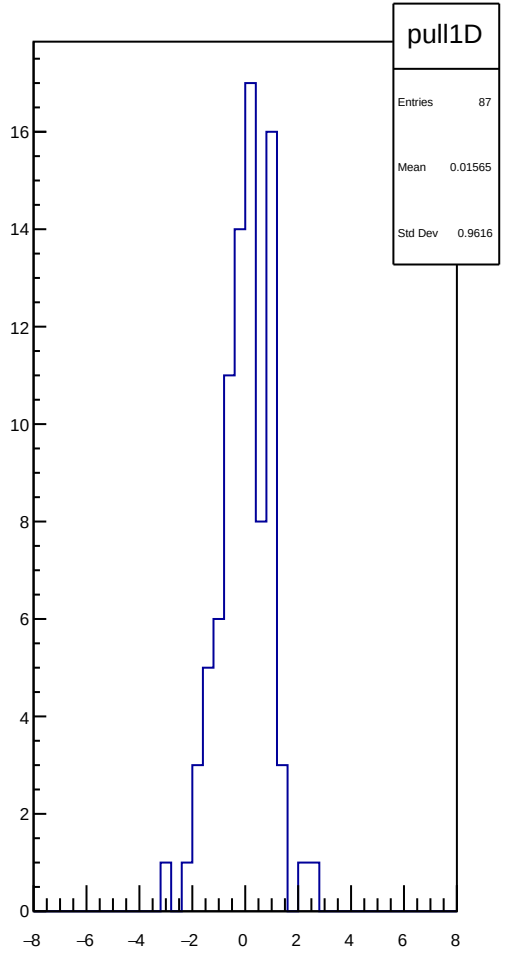

pull1D
Entries 87
Mean 0.01072
Std Dev 0.9356
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

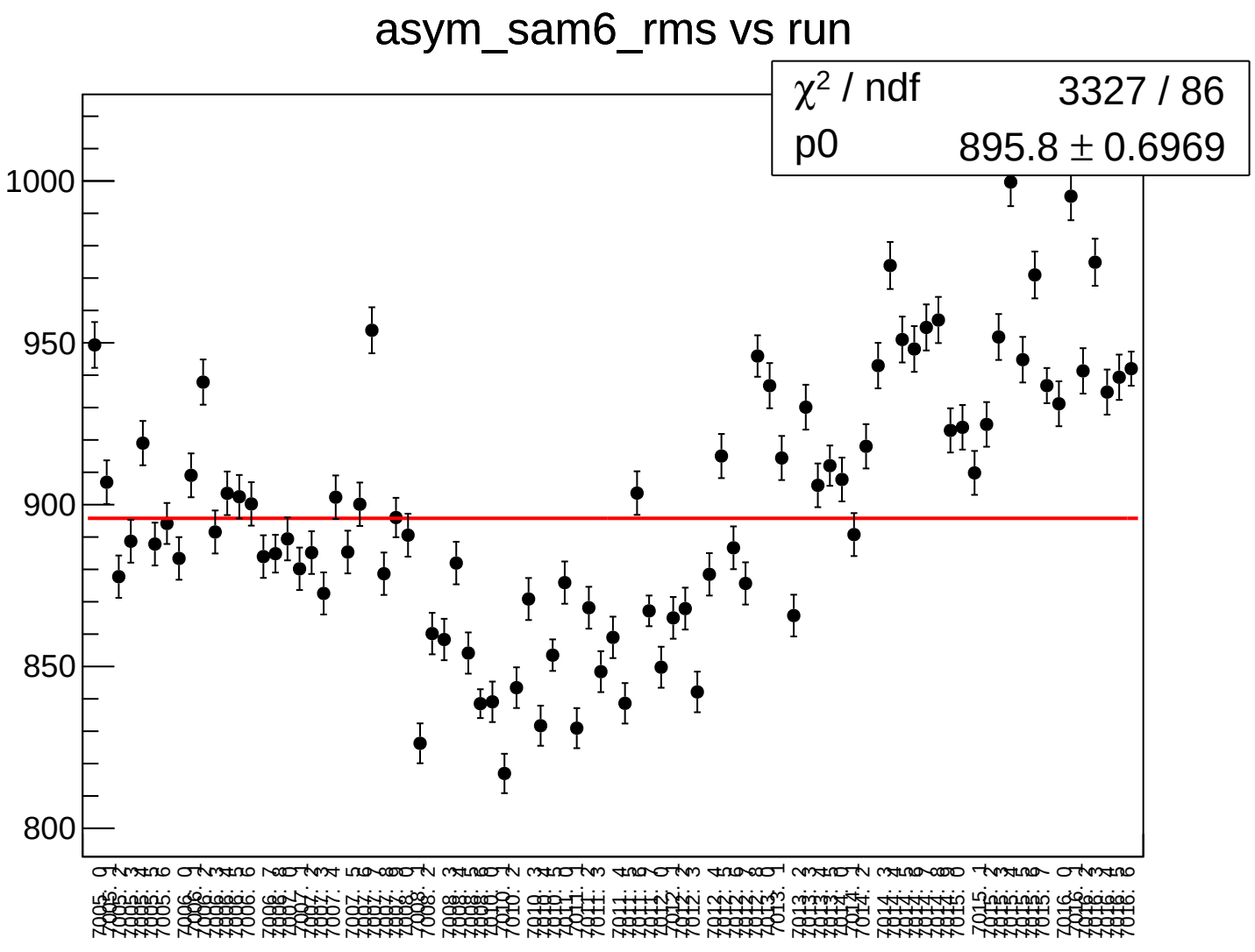

dit_asym_sam6_rms vs run
χ² / ndf 1410 / 86
p0 164.2 ± 0.1277
176
174
172
170
168
166
164
162
160
158
156

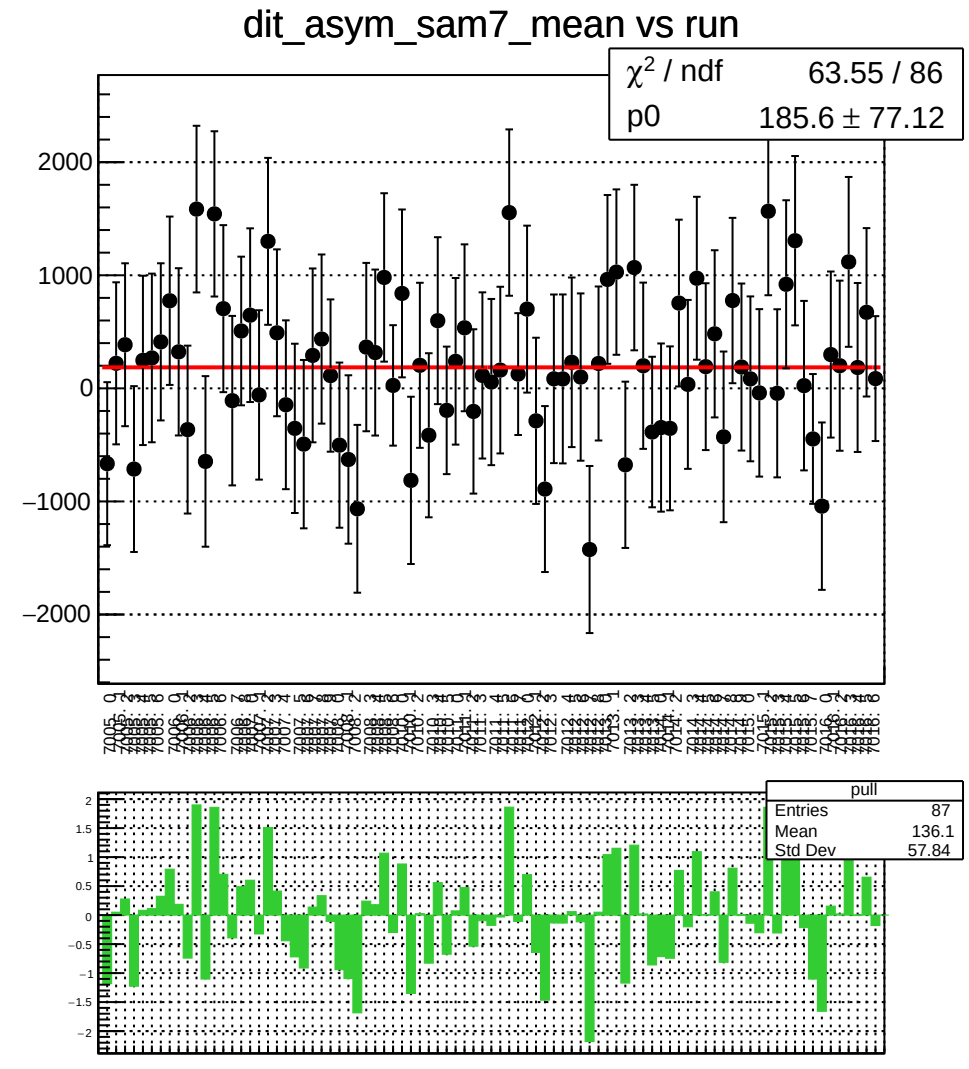

asym_sam6_correction_mean vs run
χ² / ndf 85.01 / 86
p0 478.3 ± 976
pull
Entries 87
Mean −153.6
Std Dev 177.1
pull1D
Entries 87
Mean −0.01353
Std Dev 0.9884

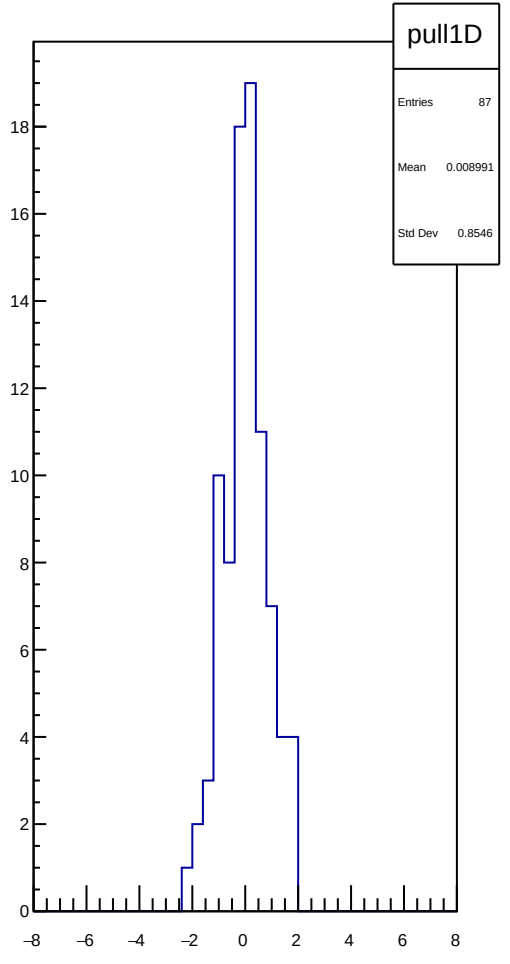

asym_sam6_correction_rms vs run
χ² / ndf 3050 / 86
p0 887.2 ± 0.6902
1000
950
900
850
800

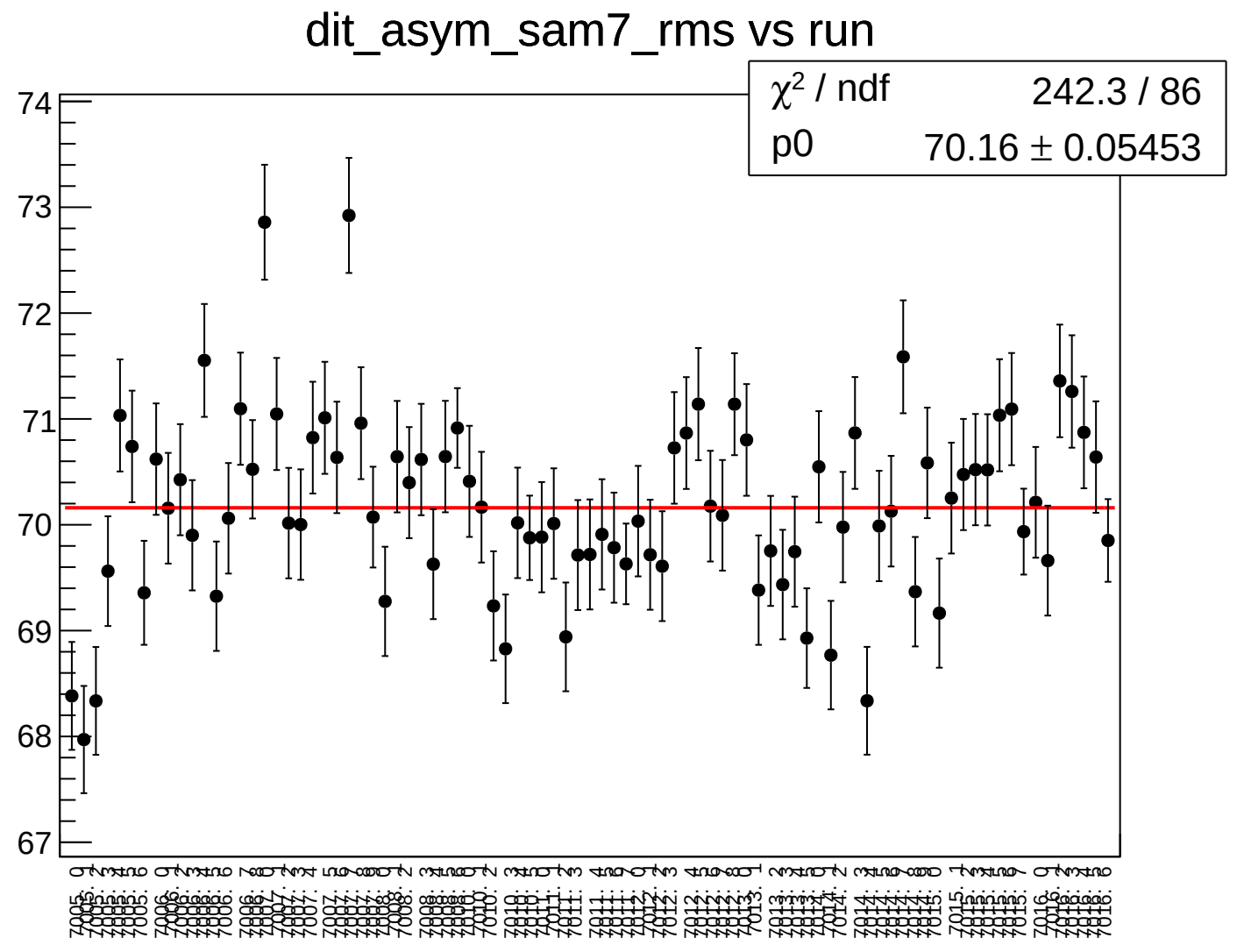

asym_sam6_mean vs run
χ² / ndf 80.47 / 86
p0 −69.53 ± 985.6
pull
Entries 87
Mean −86.79
Std Dev 102.2

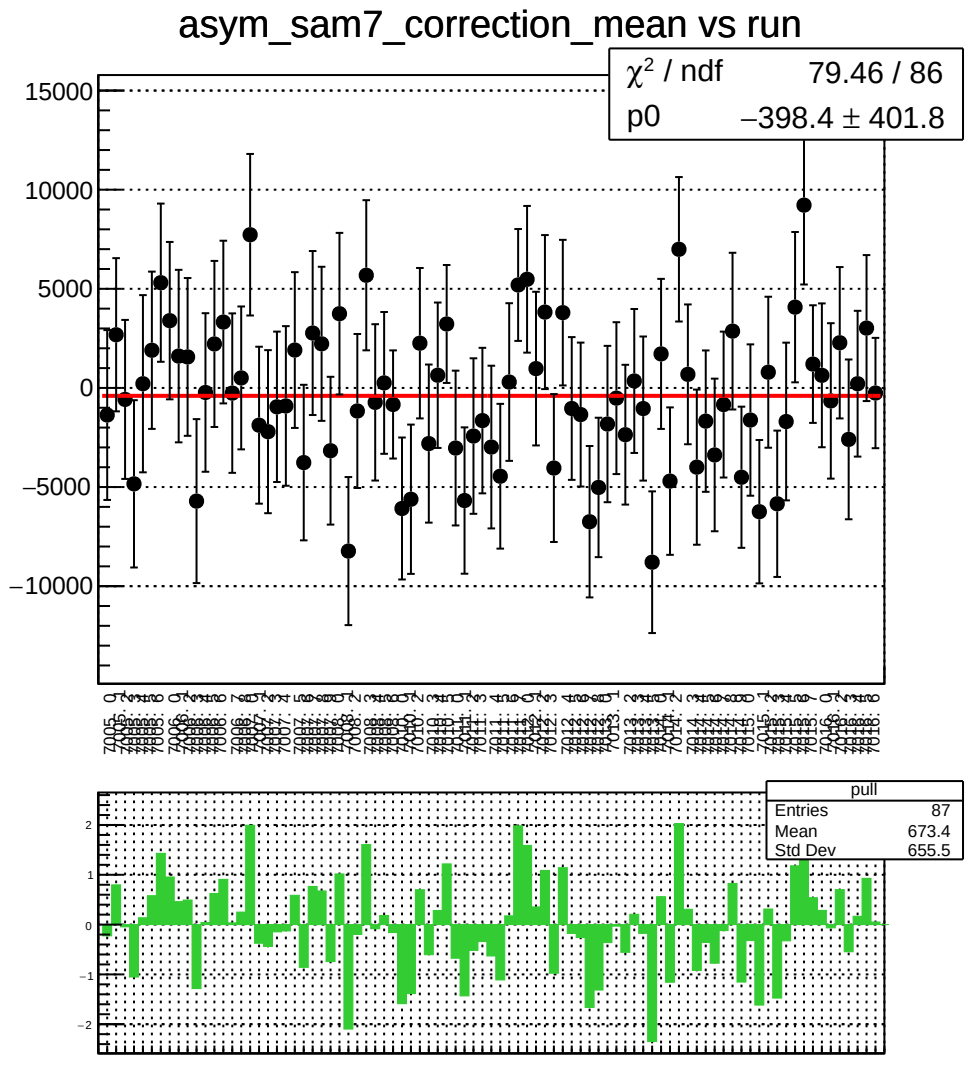

pull1D
Entries 87
Mean 0.01565
Std Dev 0.9616

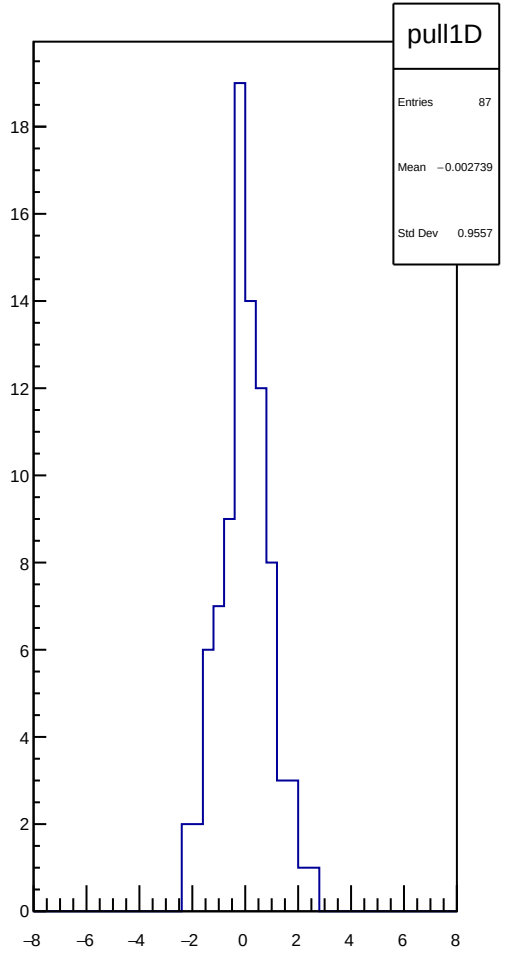

asym_sam6_rms vs run
χ² / ndf 3327 / 86
p0 895.8 ± 0.6969
1000
950
900
850
800

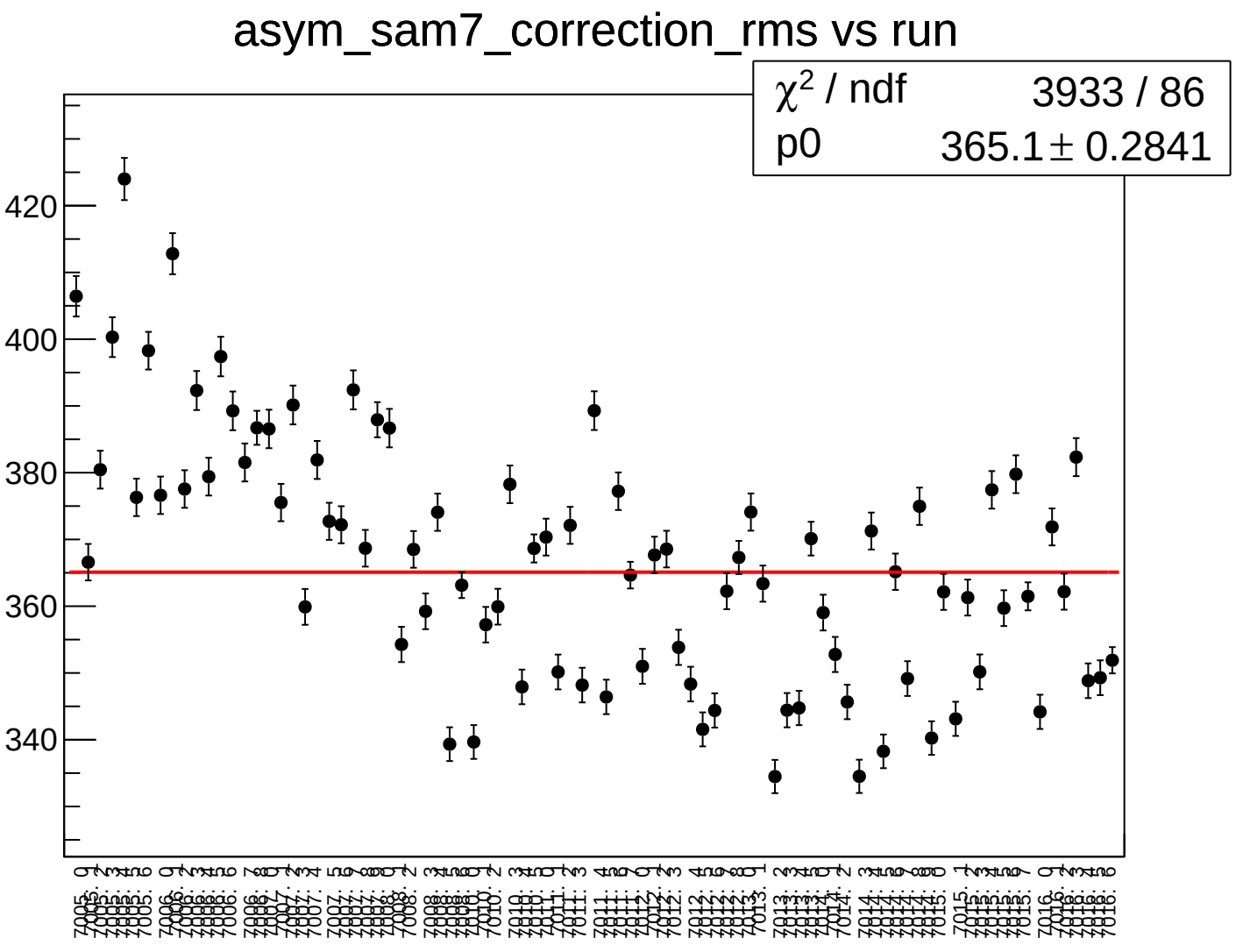

dit_asym_sam7_mean vs run
χ^2 / ndf 63.55 / 86
p0 185.6 ± 77.12
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 136.1
Std Dev 57.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

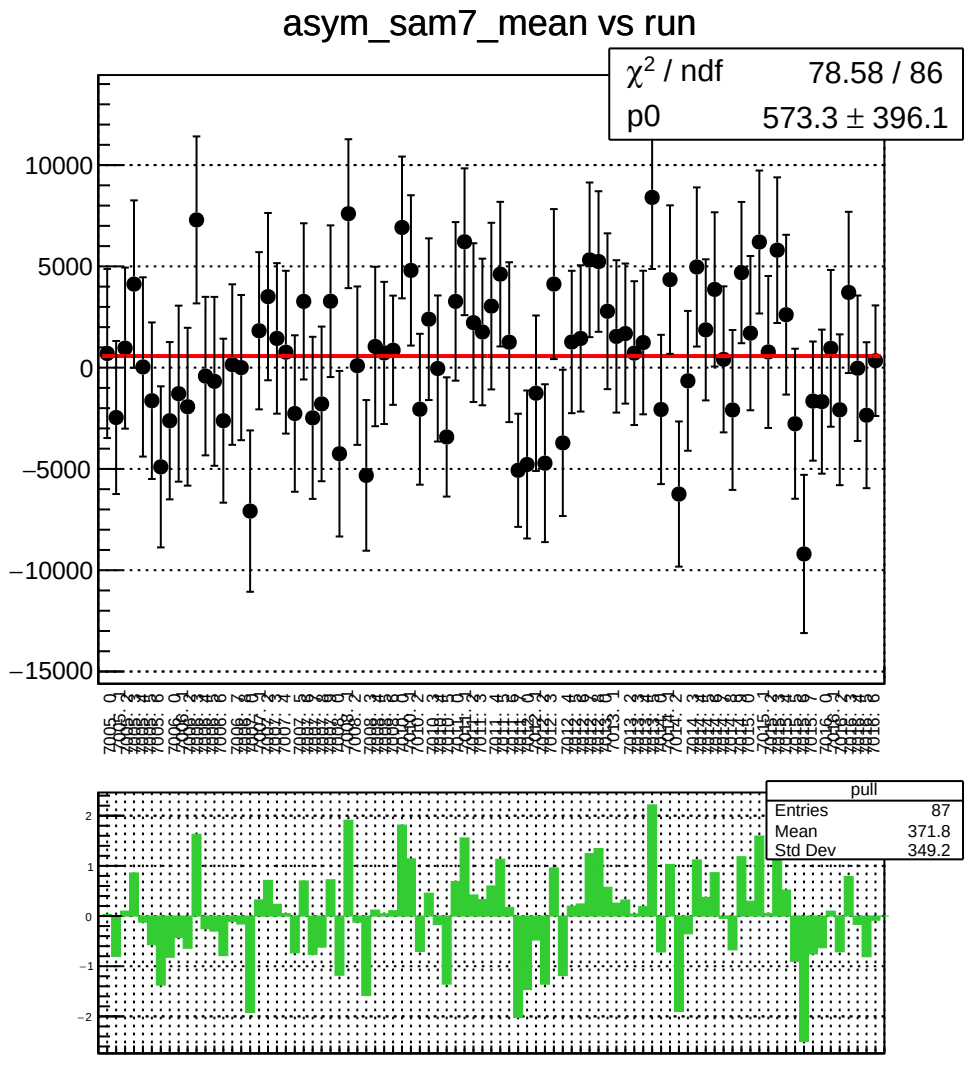

pull1D
Entries 87
Mean 0.008991
Std Dev 0.8546
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

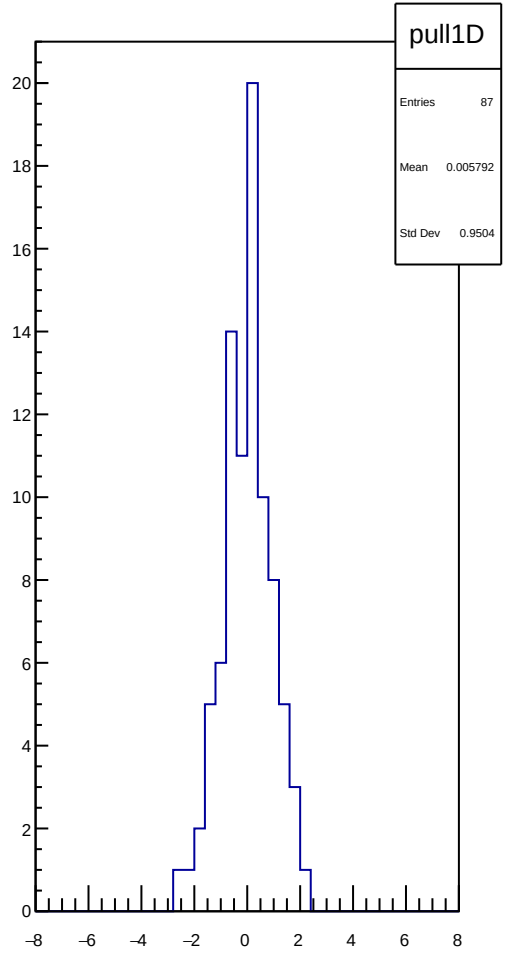

dit_asym_sam7_rms vs run
χ^2 / ndf 242.3 / 86
p0 70.16 ± 0.05453
74
73
72
71
70
69
68
67

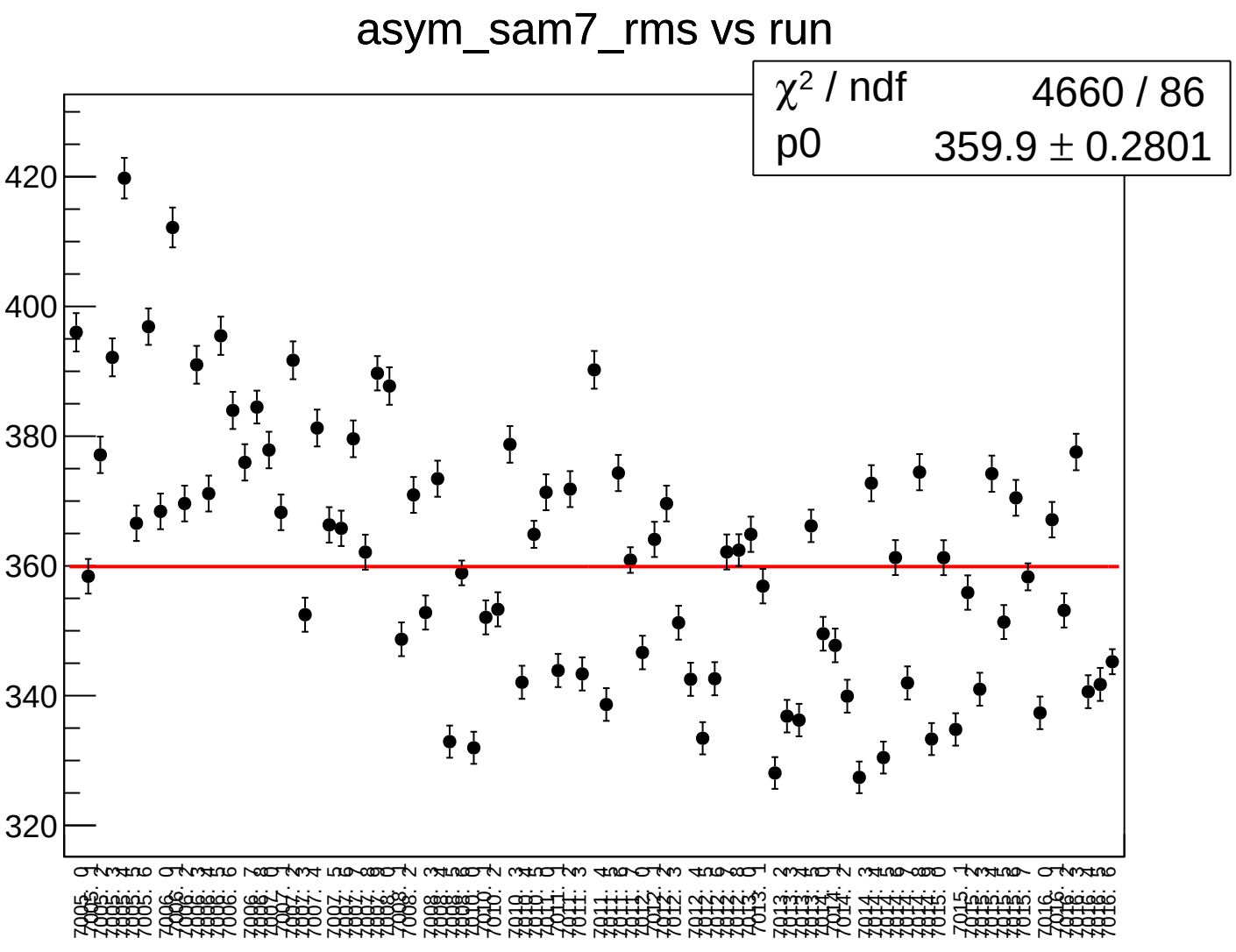

asym_sam7_correction_mean vs run
χ² / ndf 79.46 / 86
p0 −398.4 ± 401.8
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 673.4
Std Dev 655.5
2
1
0
−1
−2

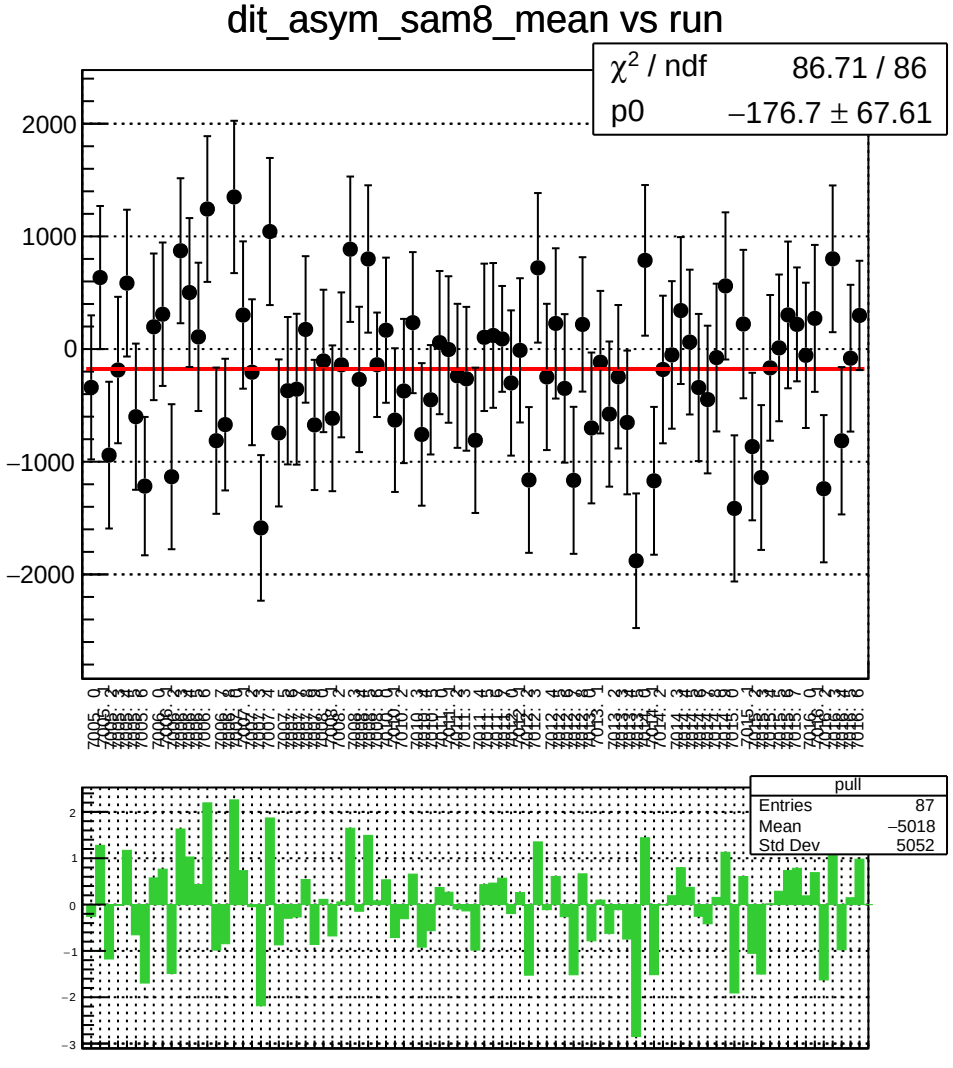

pull1D
Entries 87
Mean −0.002739
Std Dev 0.9557
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

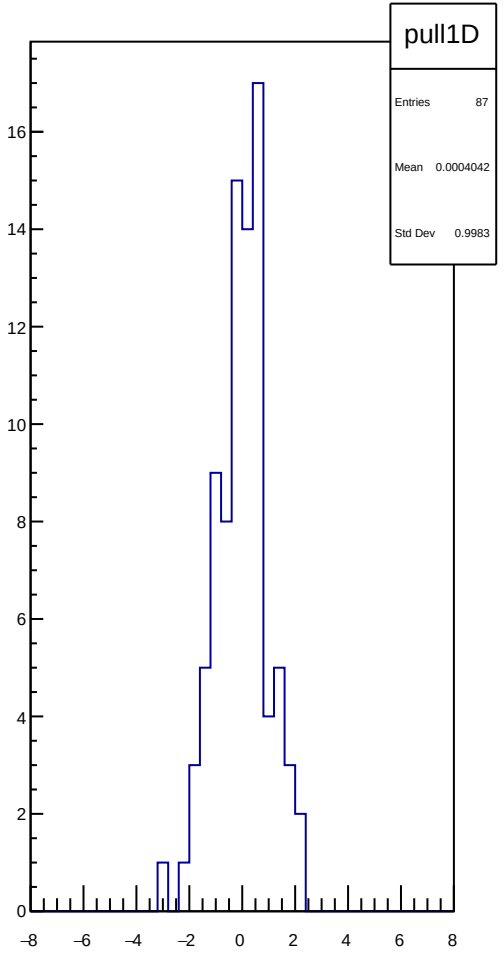

asym_sam7_correction_rms vs run
χ² / ndf 3933 / 86
p0 365.1 ± 0.2841
420
400
380
360
340

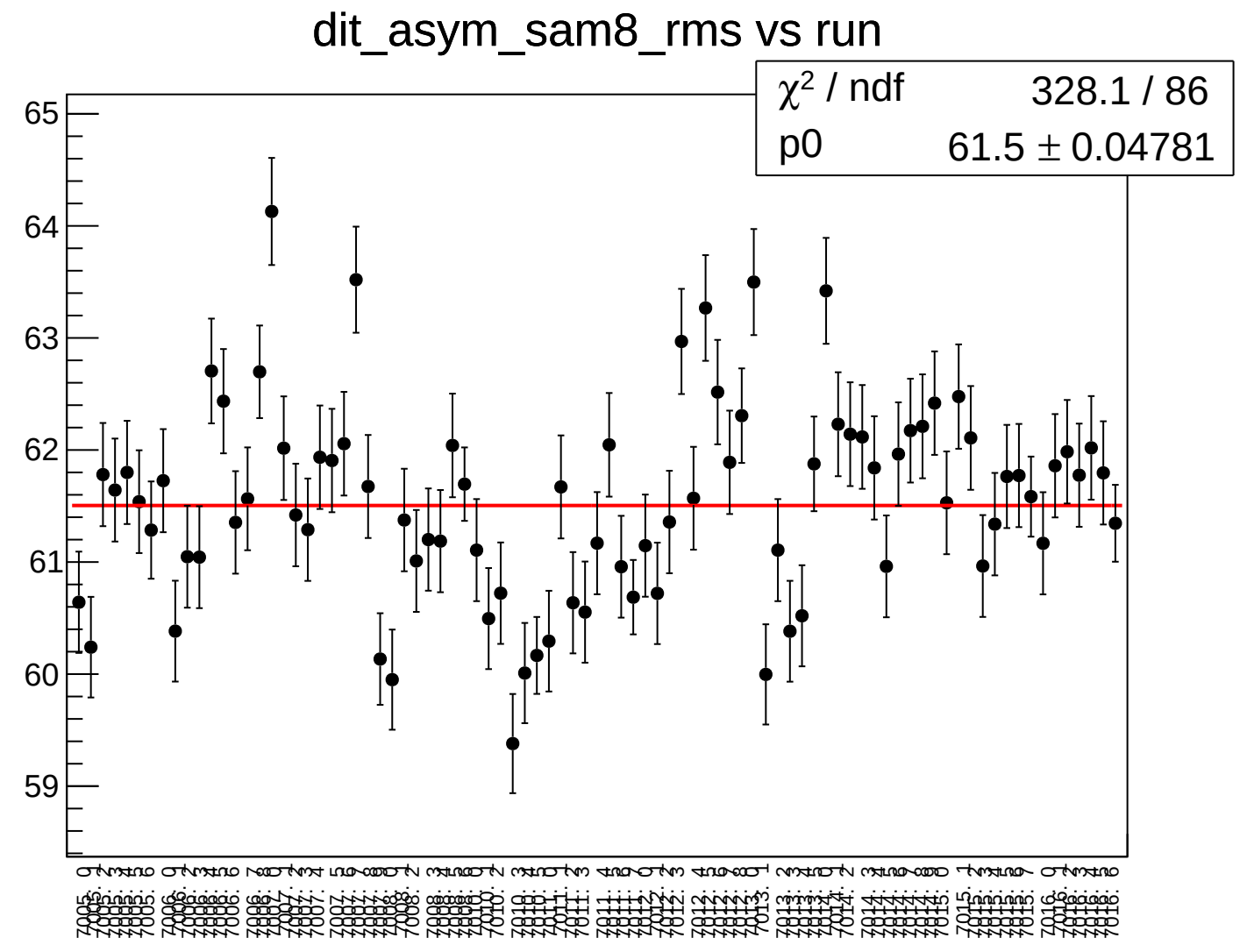

asym_sam7_mean vs run
χ² / ndf 78.58 / 86
p0 573.3 ± 396.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 371.8
Std Dev 349.2
2
1
0
−1
−2

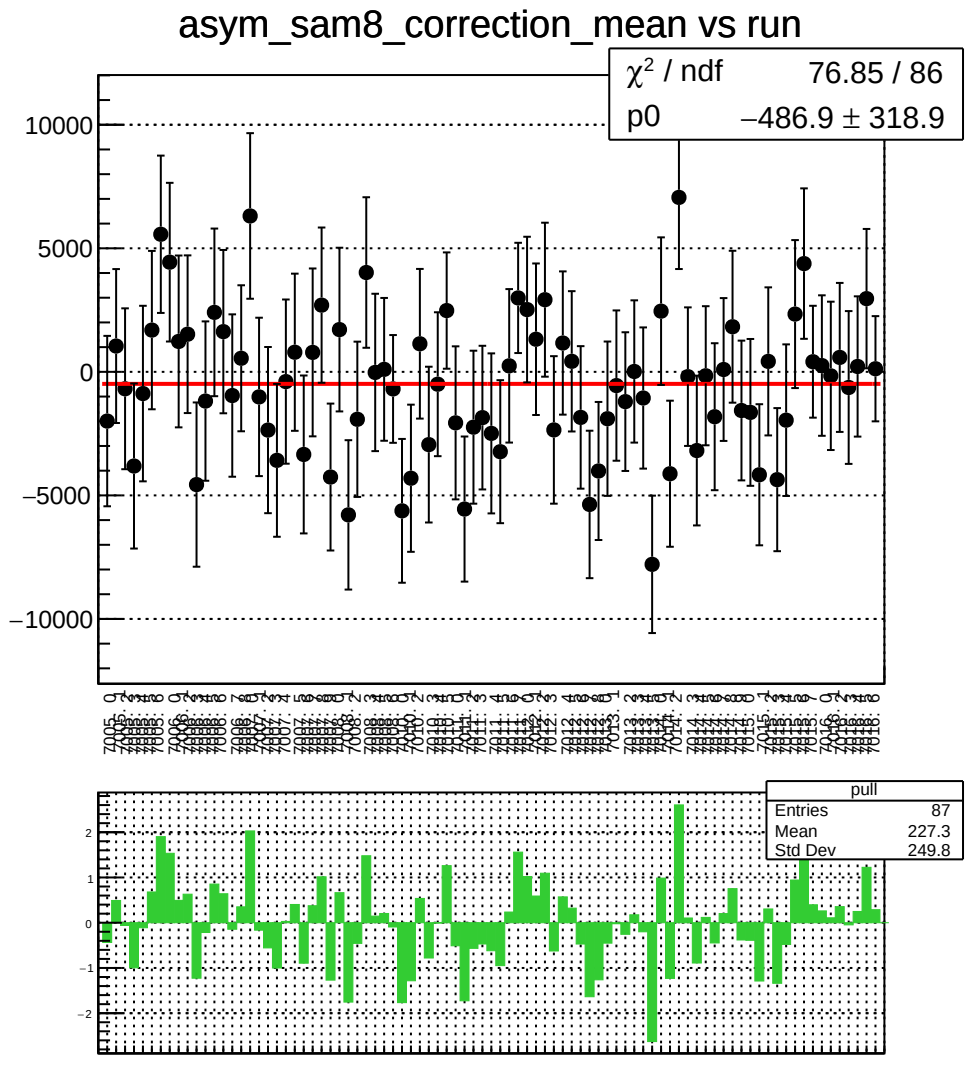

pull1D
Entries 87
Mean 0.005792
Std Dev 0.9504
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

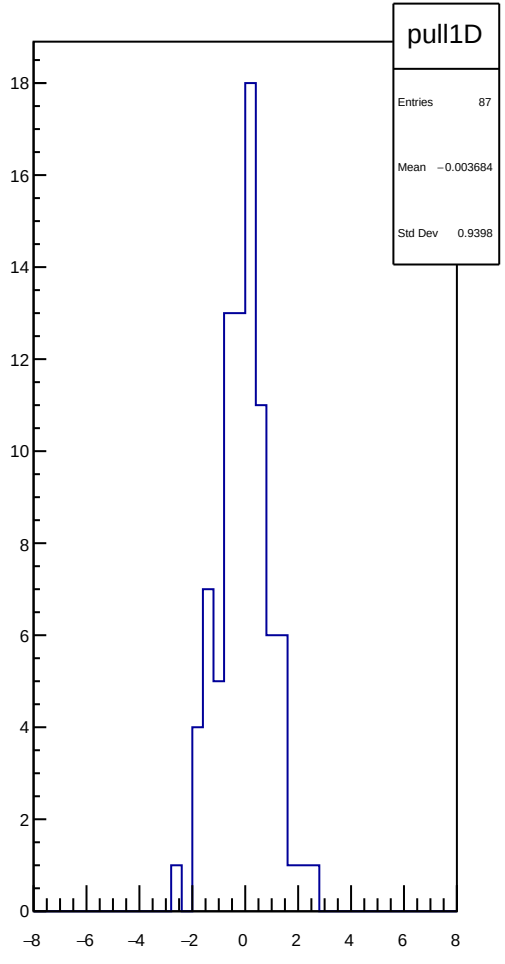

asym_sam7_rms vs run
χ² / ndf 4660 / 86
p0 359.9 ± 0.2801
420
400
380
360
340
320

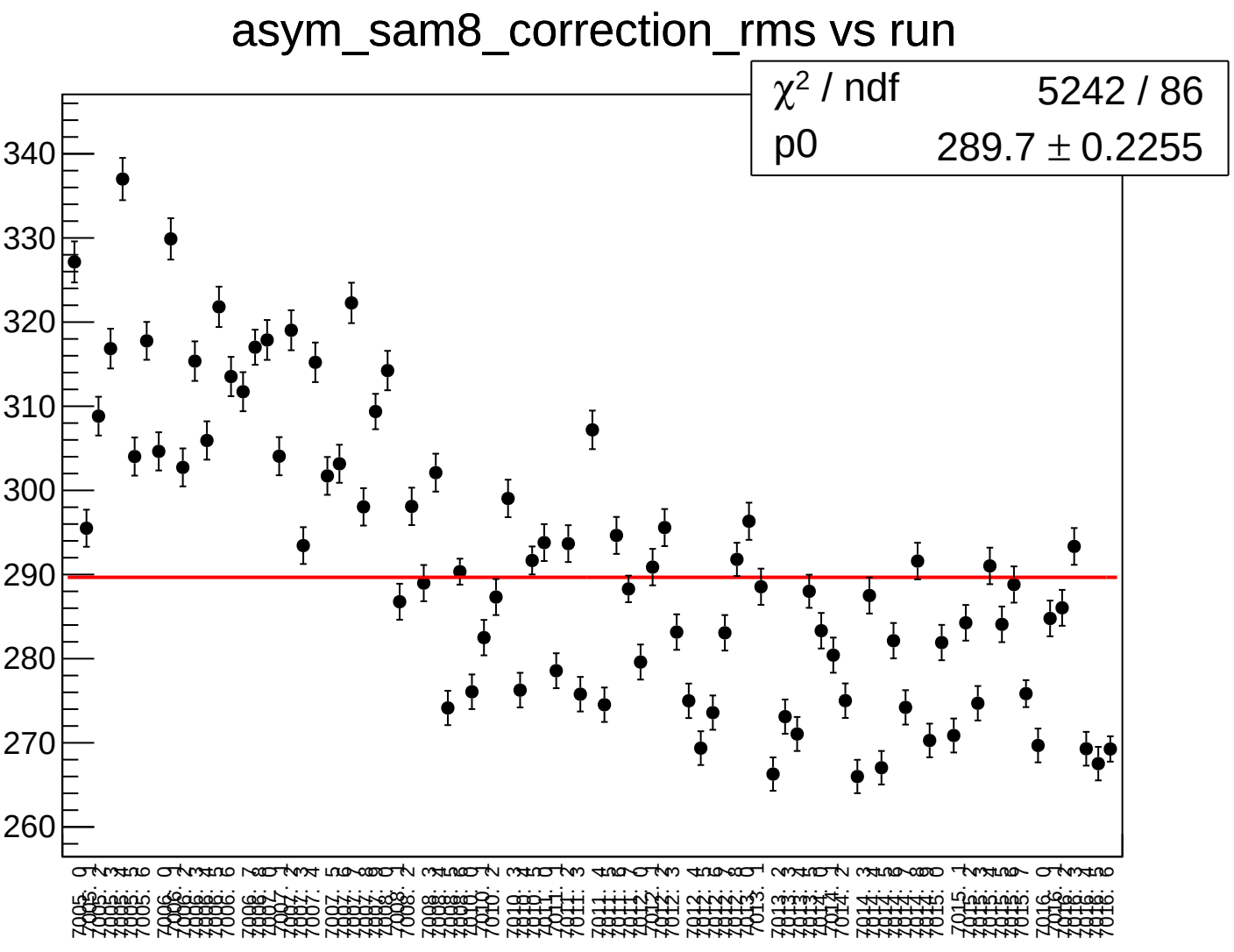

dit_asym_sam8_mean vs run
χ^2 / ndf 86.71 / 86
p0 −176.7 ± 67.61
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −5018
Std Dev 5052
2
1
0
−1
−2
−3

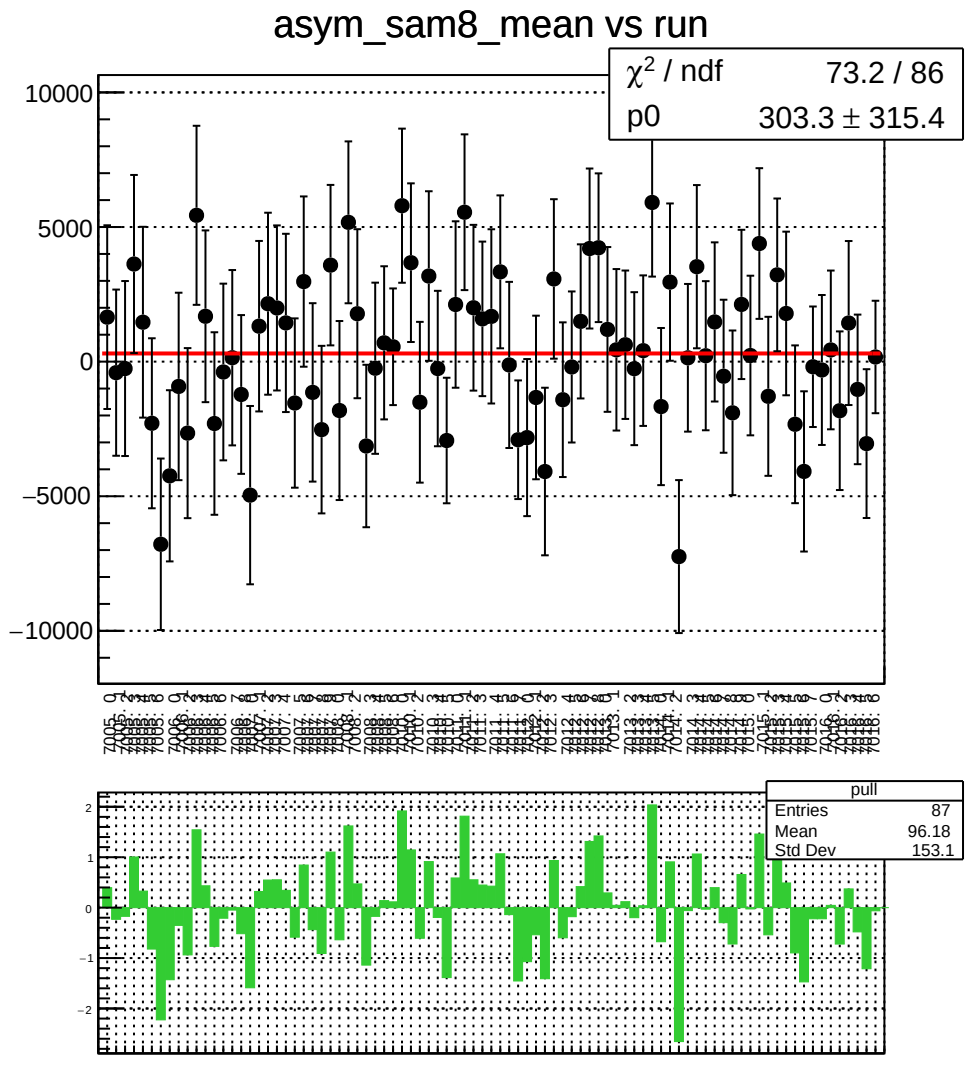

pull1D
Entries 87
Mean 0.0004042
Std Dev 0.9983
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

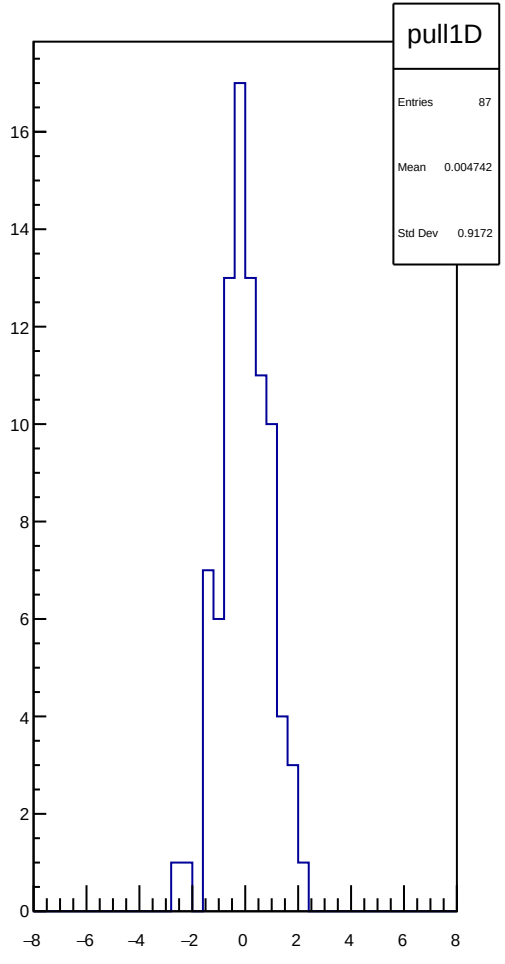

dit_asym_sam8_rms vs run
χ² / ndf 328.1 / 86
p0 61.5 ± 0.04781
65
64
63
62
61
60
59

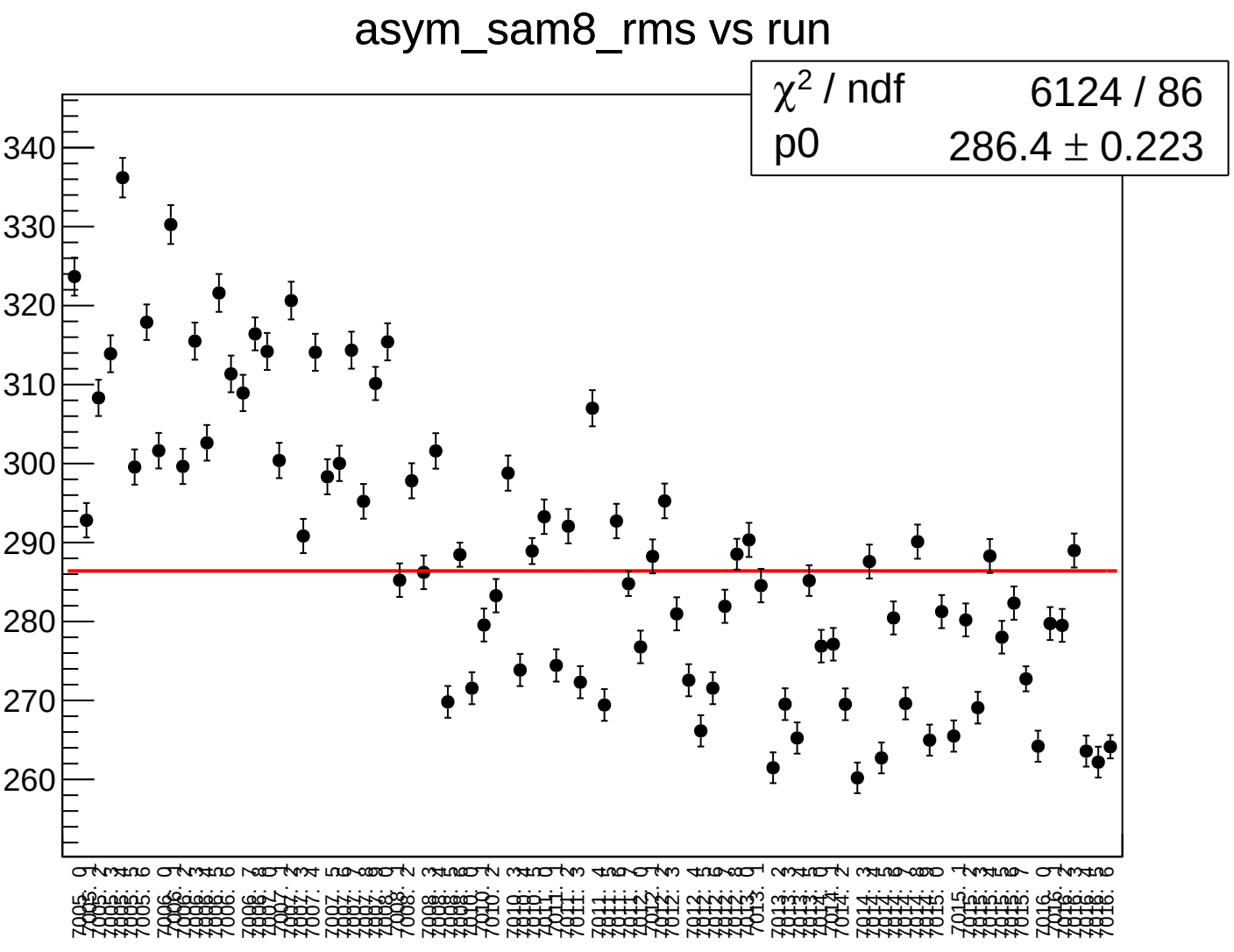

asym_sam8_correction_mean vs run
χ² / ndf 76.85 / 86
p0 −486.9 ± 318.9
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 227.3
Std Dev 249.8
2
1
0
−1
−2

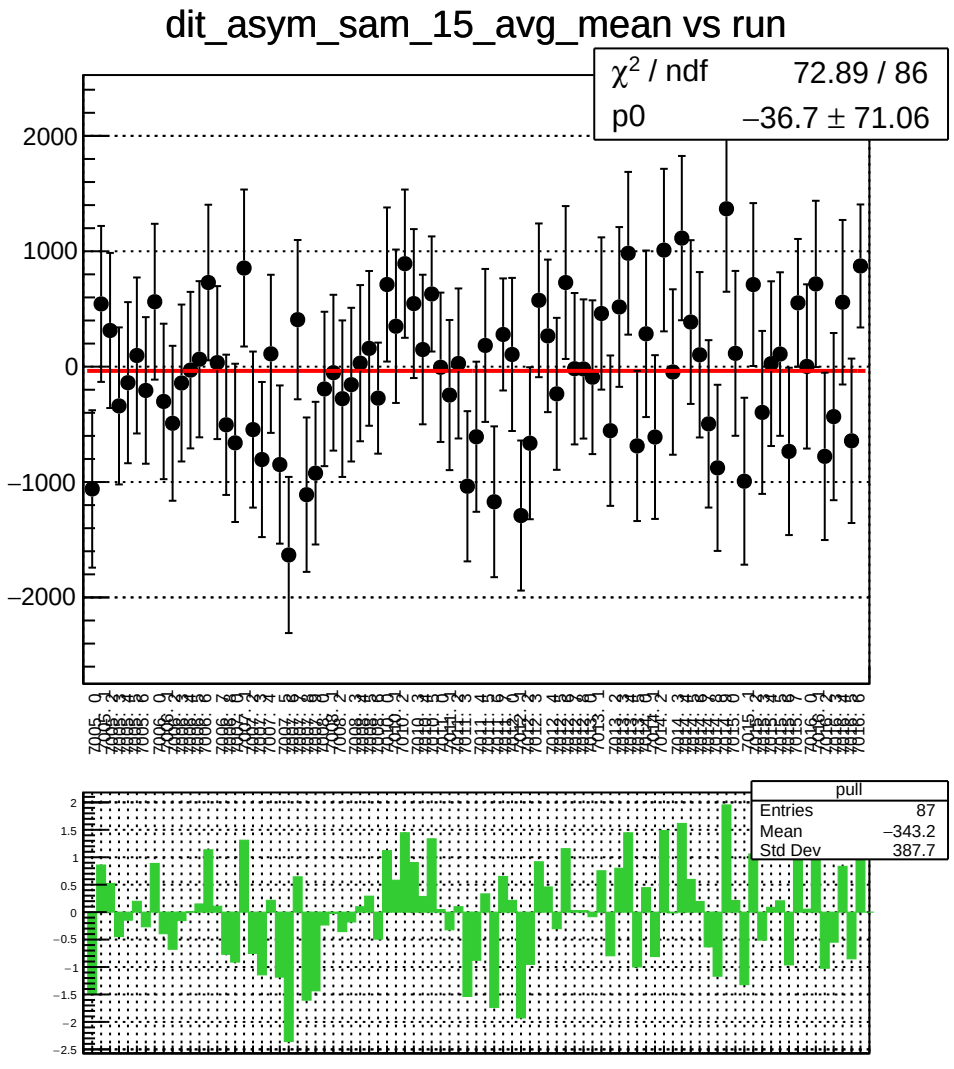

pull1D
Entries 87
Mean −0.003684
Std Dev 0.9398
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

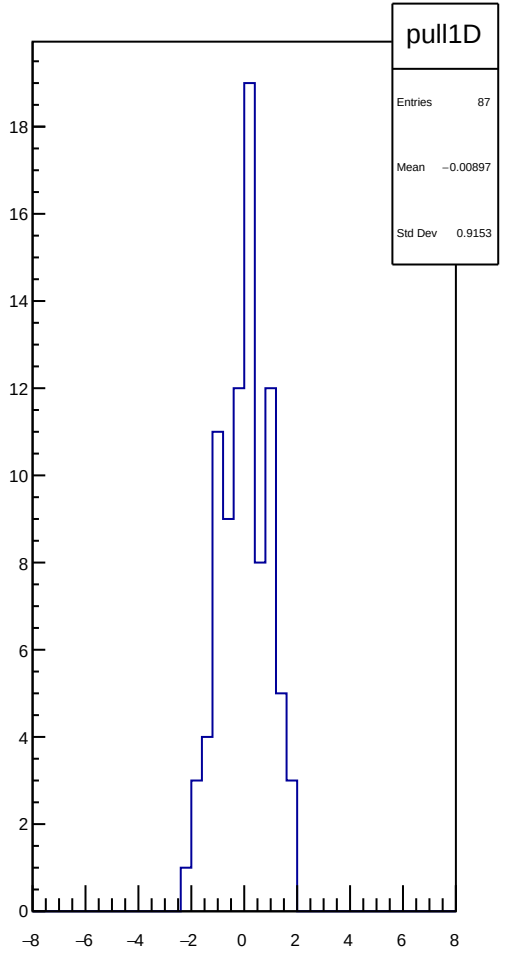

asym_sam8_correction_rms vs run
χ² / ndf 5242 / 86
p0 289.7 ± 0.2255
340
330
320
310
300
290
280
270
260

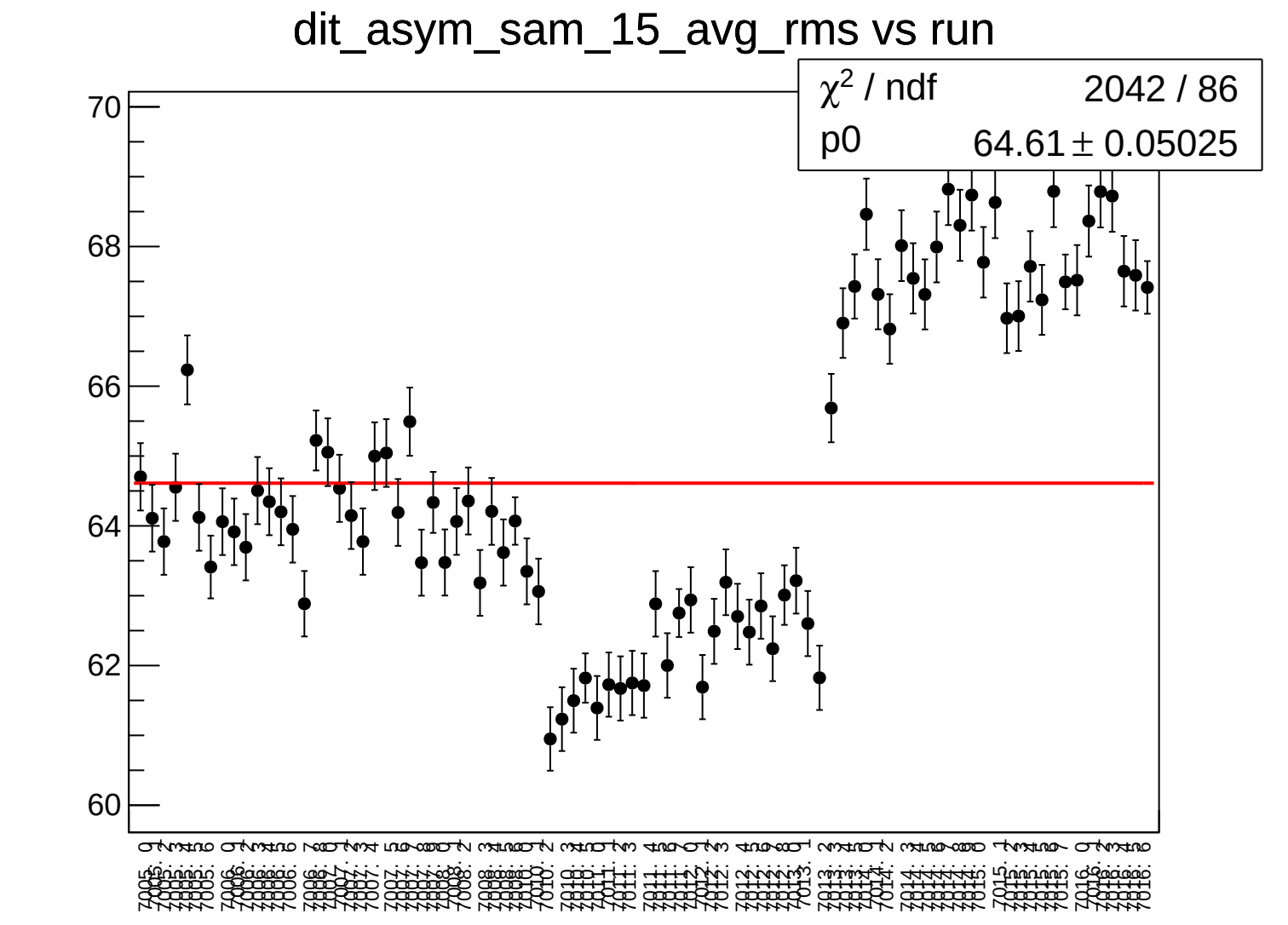

asym_sam8_mean vs run
χ^2 / ndf 73.2 / 86
p0 303.3 ± 315.4
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 96.18
Std Dev 153.1
2
1
0
−1
−2

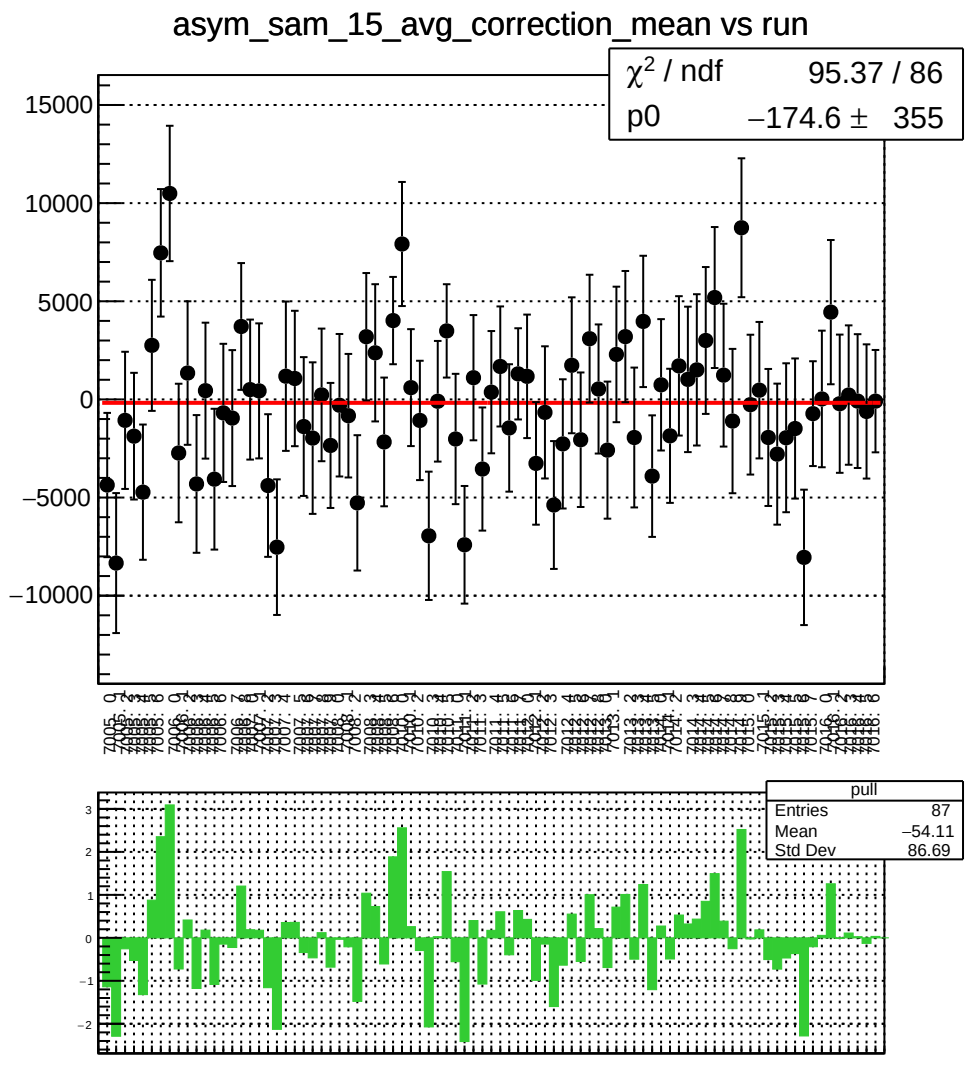

pull1D
Entries 87
Mean 0.004742
Std Dev 0.9172
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

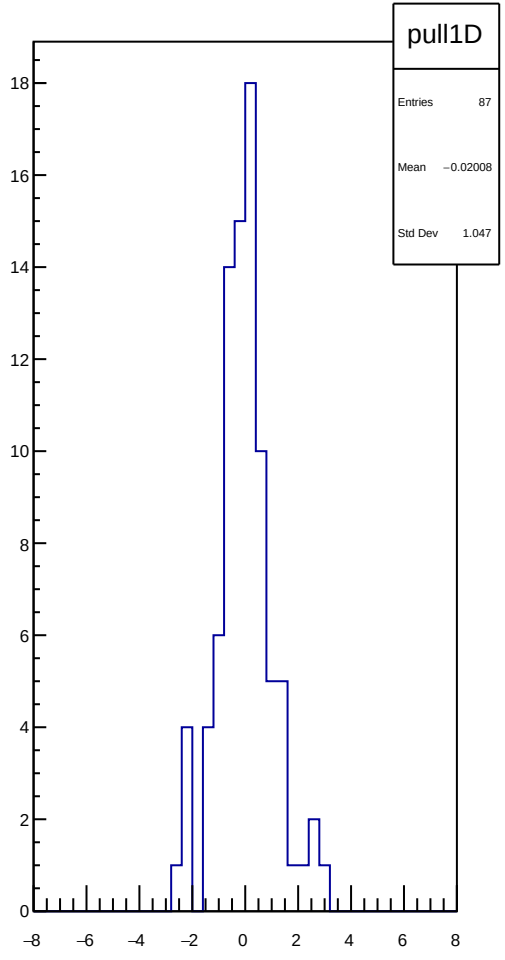

asym_sam8_rms vs run
χ^2 / ndf 6124 / 86
p0 286.4 ± 0.223
340
330
320
310
300
290
280
270
260

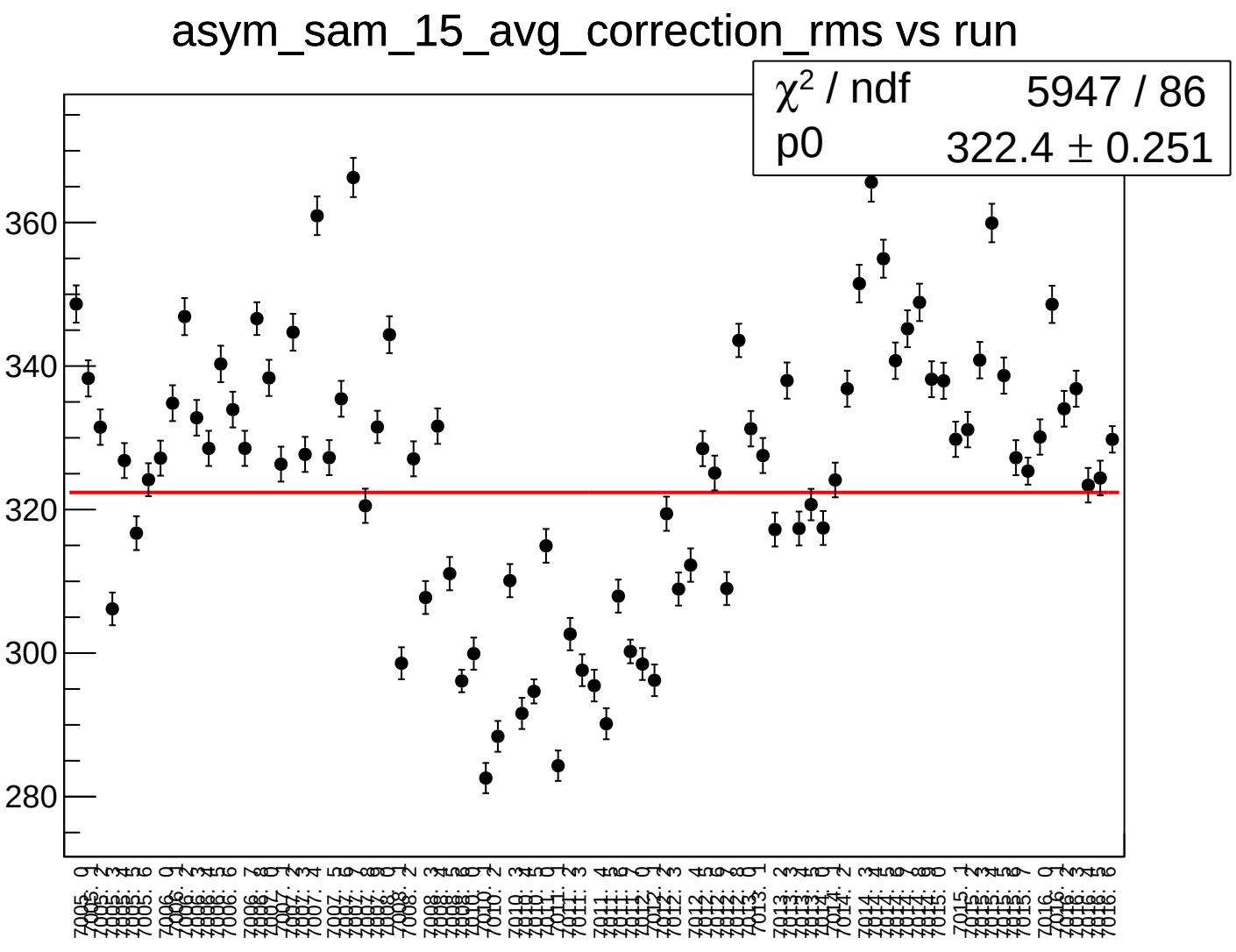

dit_asym_sam_15_avg_mean vs run
χ² / ndf 72.89 / 86
p0 −36.7 ± 71.06
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −343.2
Std Dev 387.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

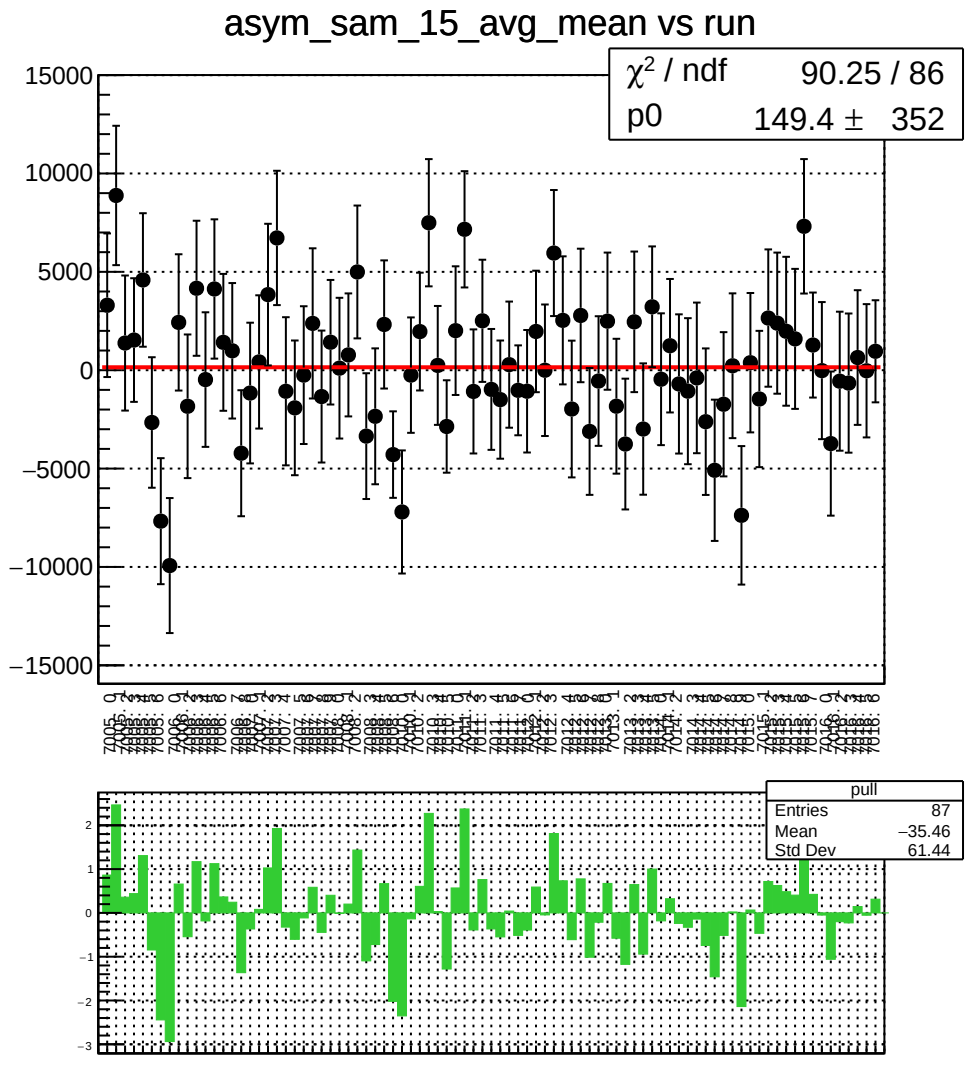

pull1D
Entries 87
Mean −0.00897
Std Dev 0.9153
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

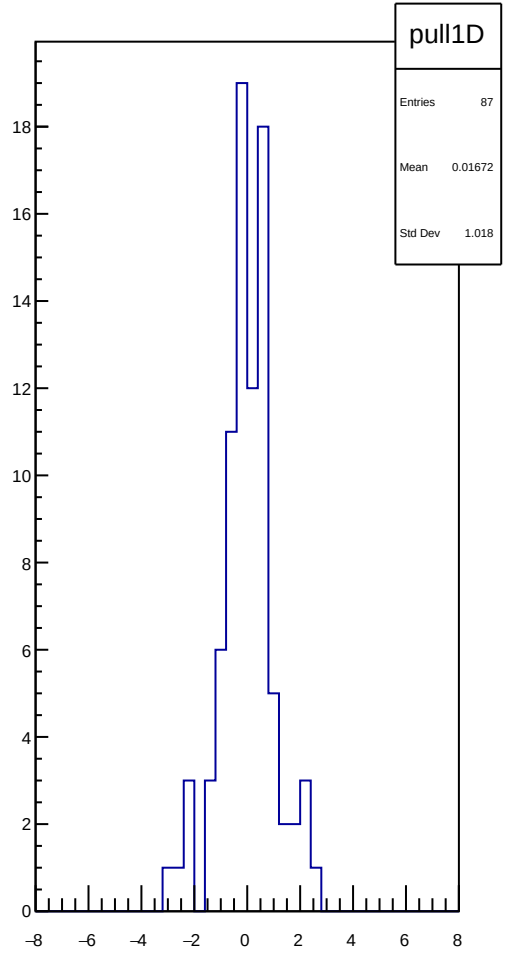

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2042 / 86
p0 64.61 ± 0.05025
70
68
66
64
62
60

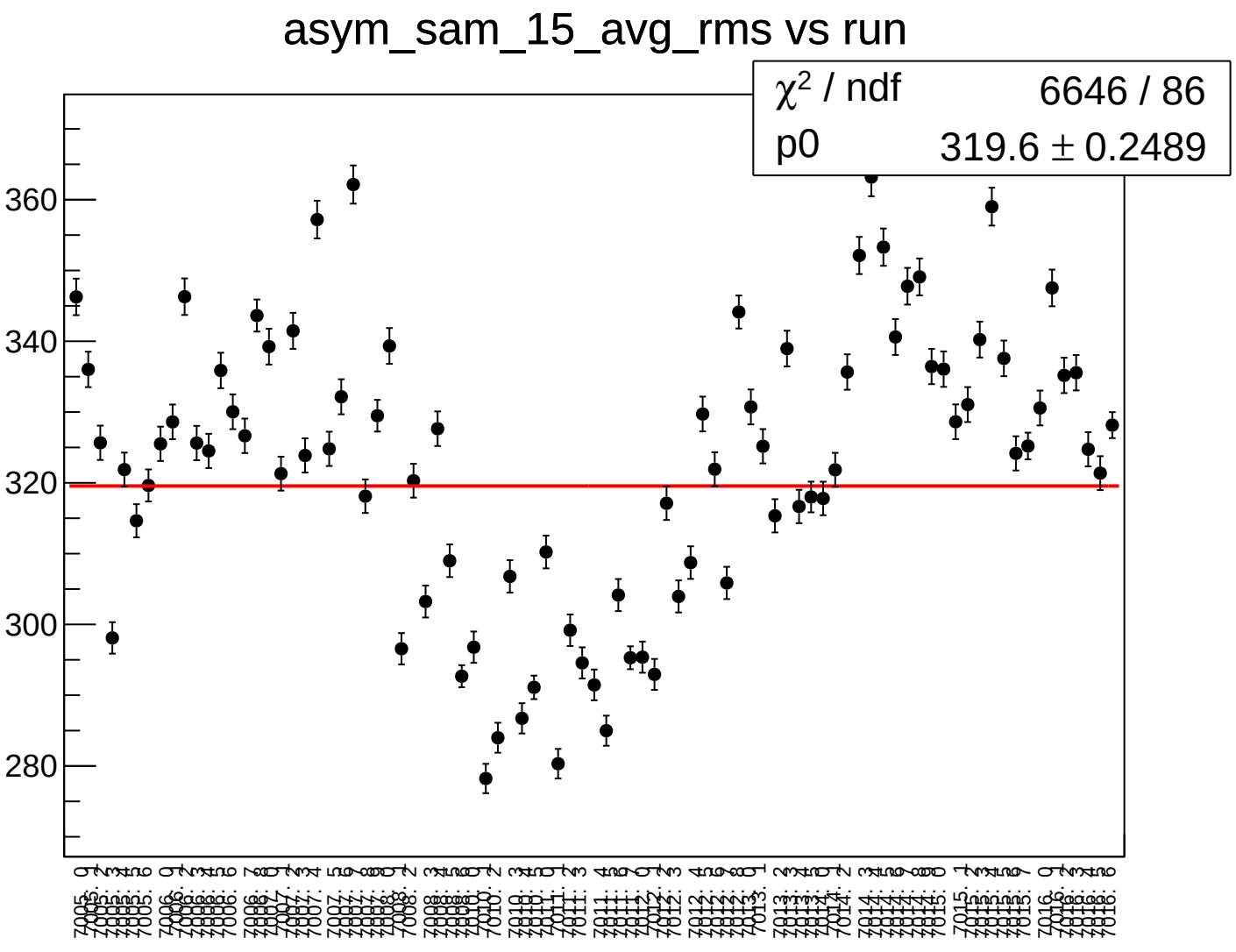

asym_sam_15_avg_correction_mean vs run
χ² / ndf 95.37 / 86
p0 −174.6 ± 355
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −54.11
Std Dev 86.69
3
2
1
0
−1
−2

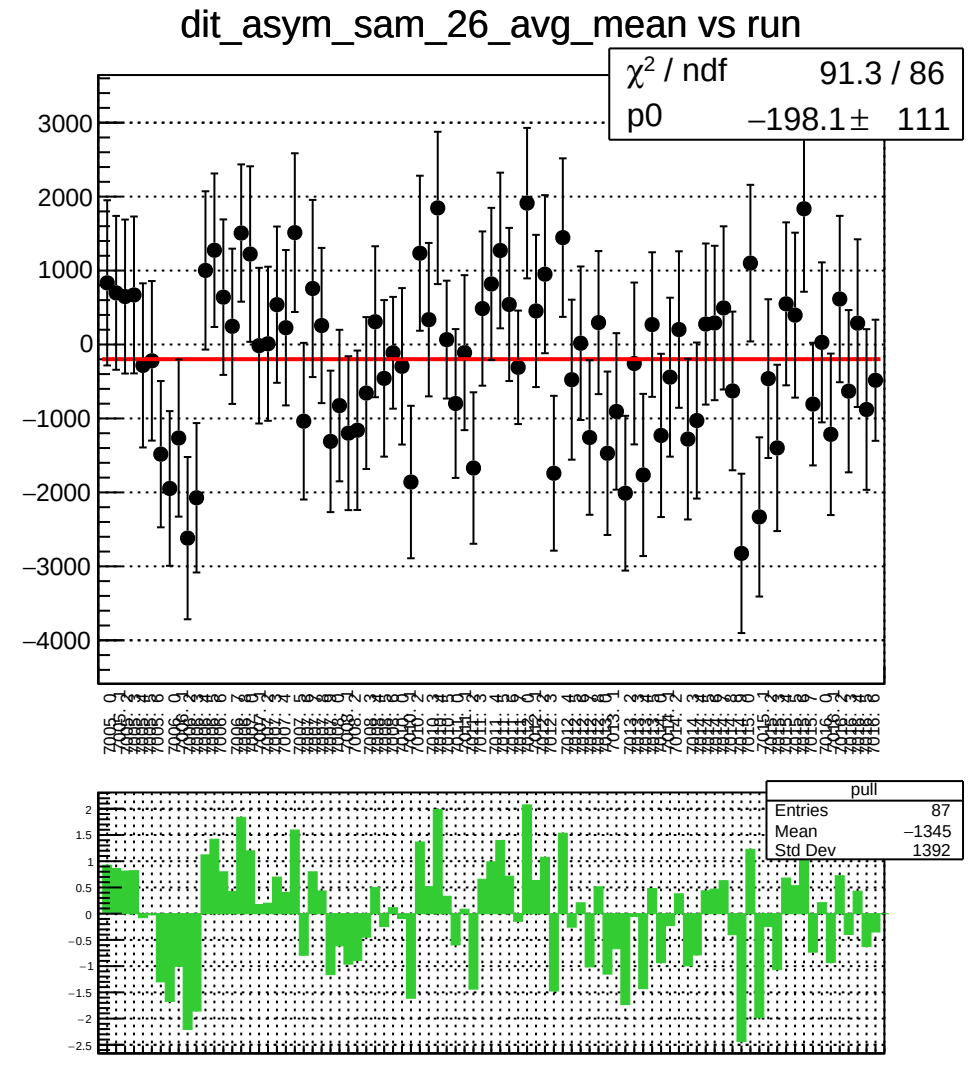

pull1D
Entries 87
Mean −0.02008
Std Dev 1.047
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

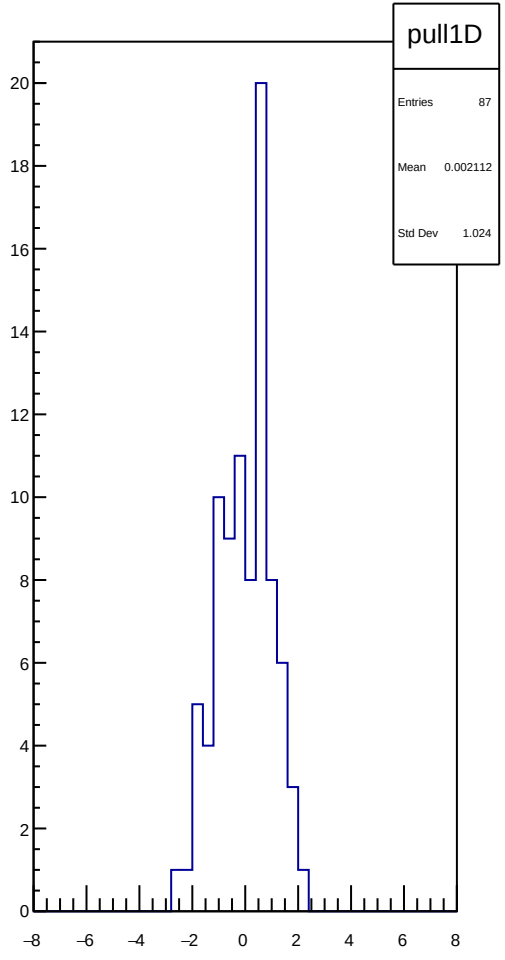

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5947 / 86
p0 322.4 ± 0.251
360
340
320
300
280

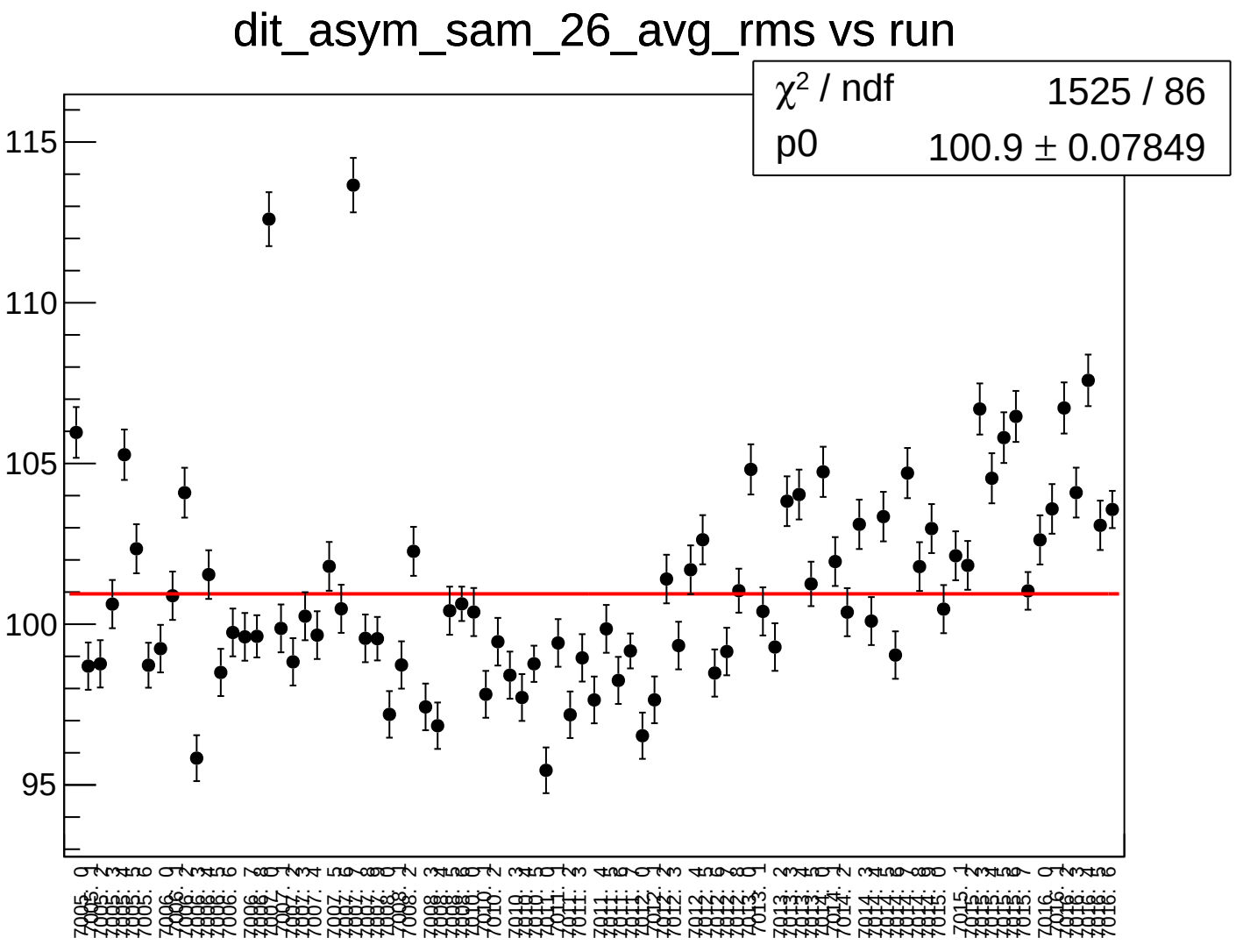

asym_sam_15_avg_mean vs run
χ² / ndf 90.25 / 86
p0 149.4 ± 352
pull
Entries 87
Mean −35.46
Std Dev 61.44

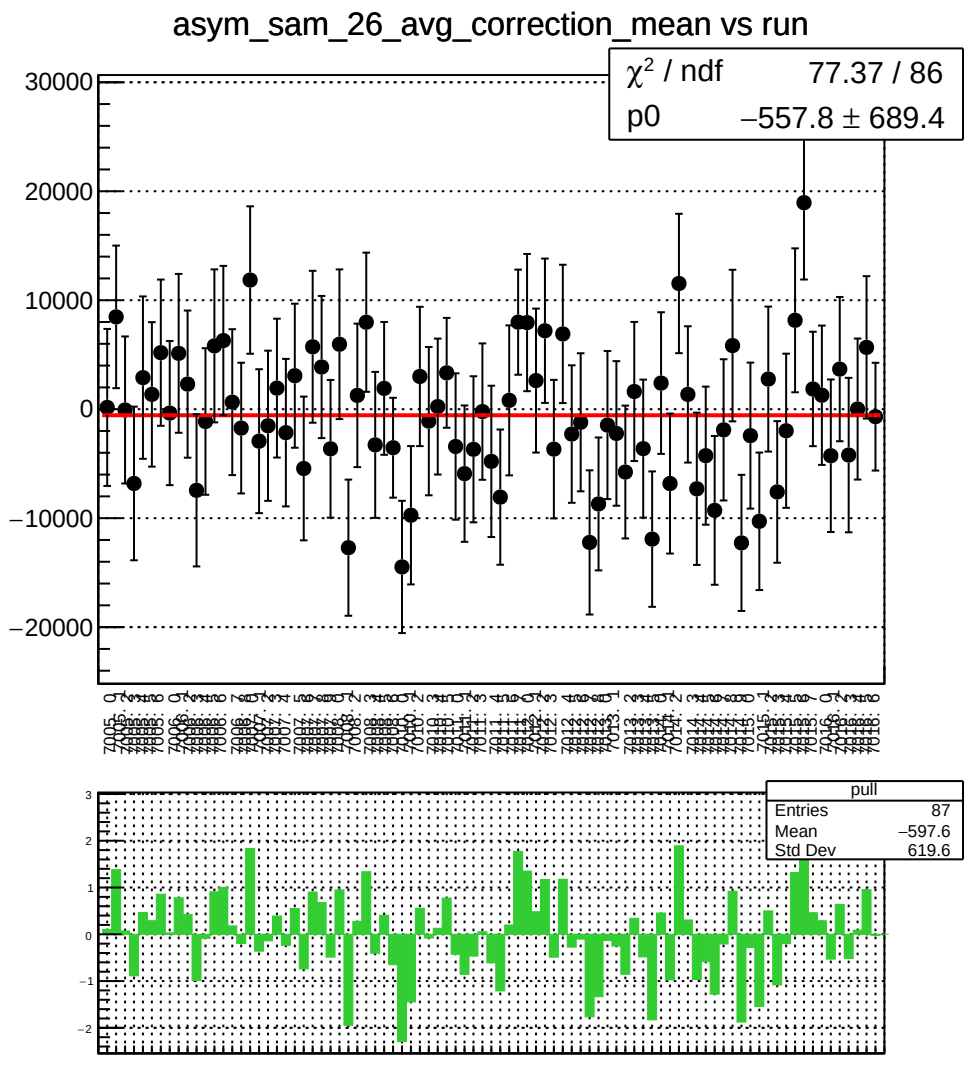

pull1D
Entries 87
Mean 0.01672
Std Dev 1.018

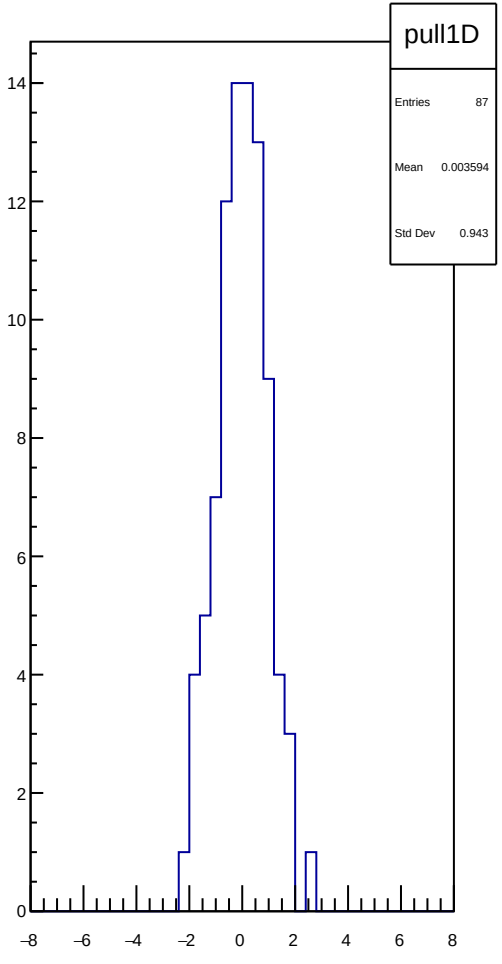

asym_sam_15_avg_rms vs run
χ² / ndf 6646 / 86
p0 319.6 ± 0.2489
360
340
320
300
280

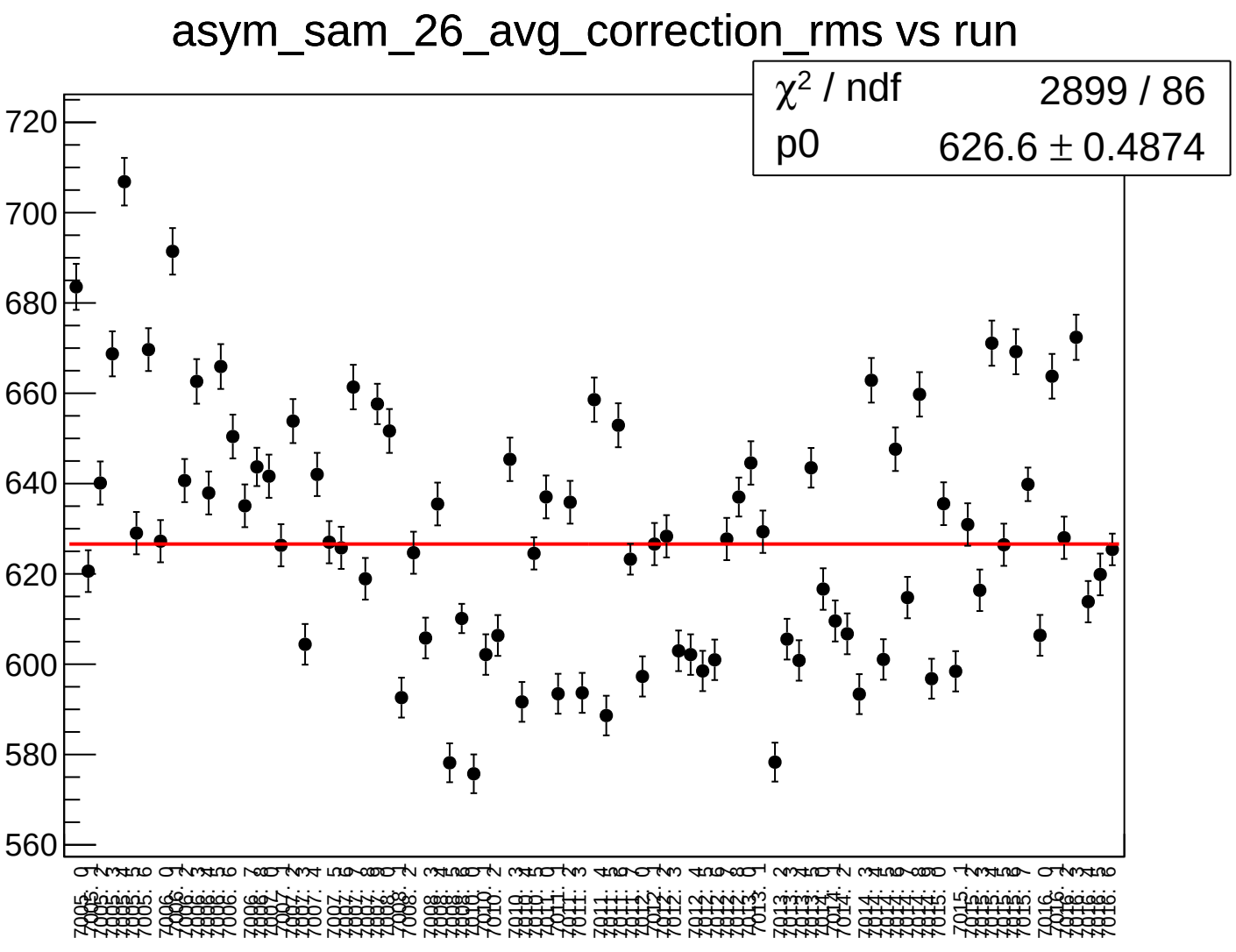

dit_asym_sam_26_avg_mean vs run
χ² / ndf 91.3 / 86
p0 −198.1 ± 111
pull
Entries 87
Mean −1345
Std Dev 1392

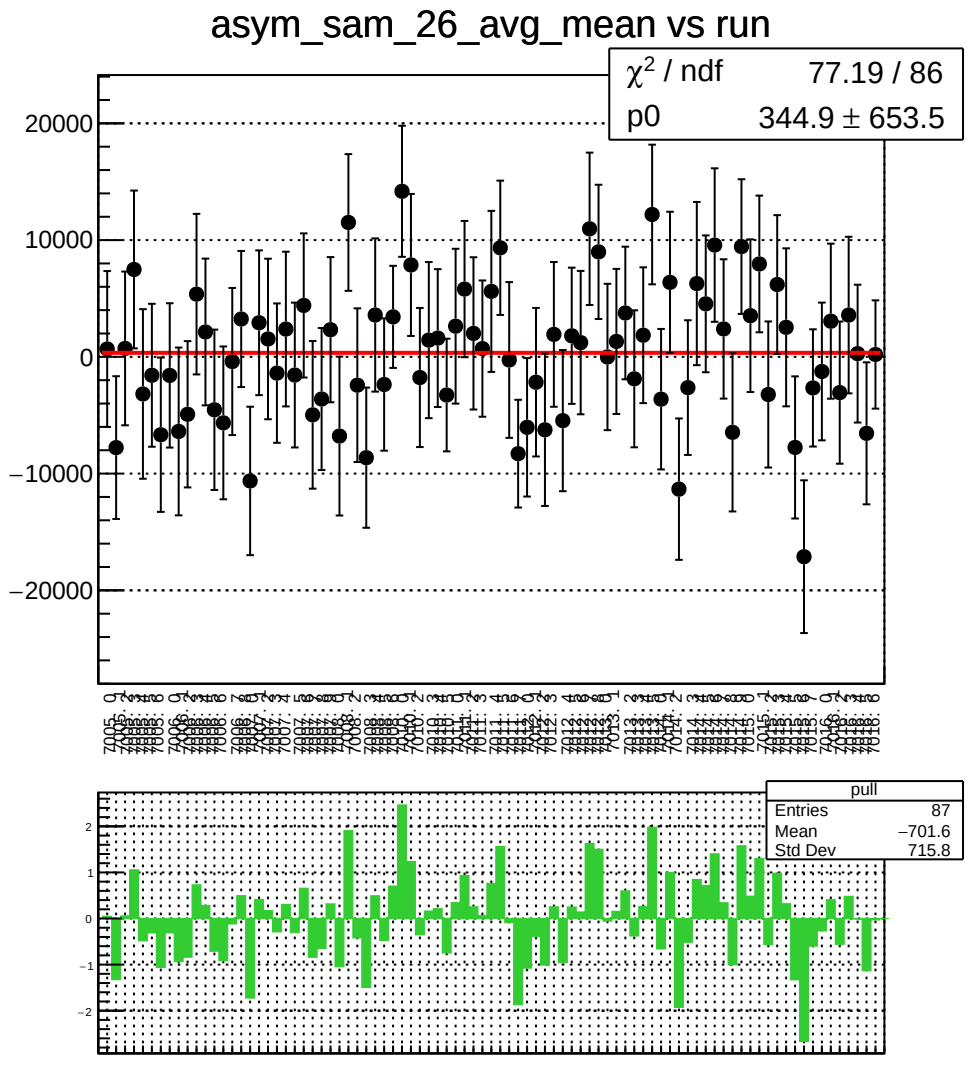

pull1D
Entries 87
Mean 0.002112
Std Dev 1.024

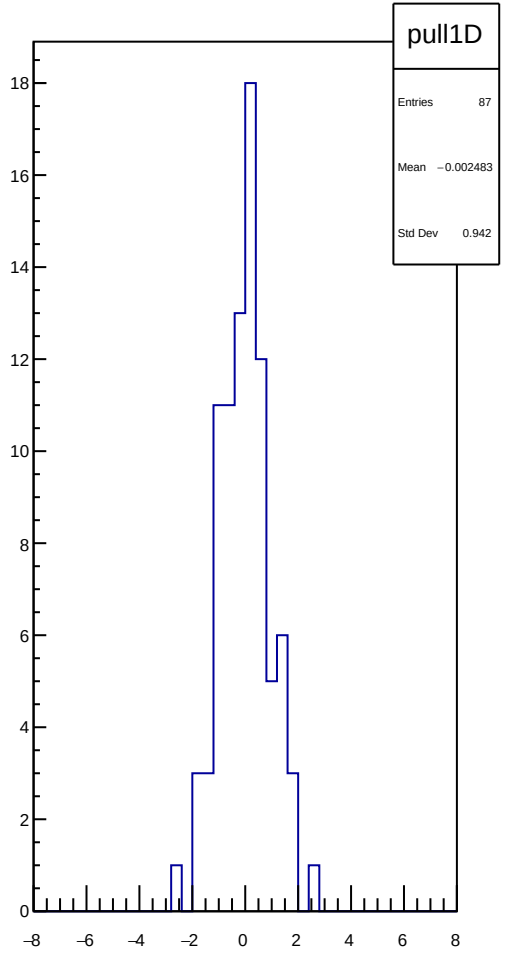

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1525 / 86
p0 100.9 ± 0.07849
115
110
105
100
95

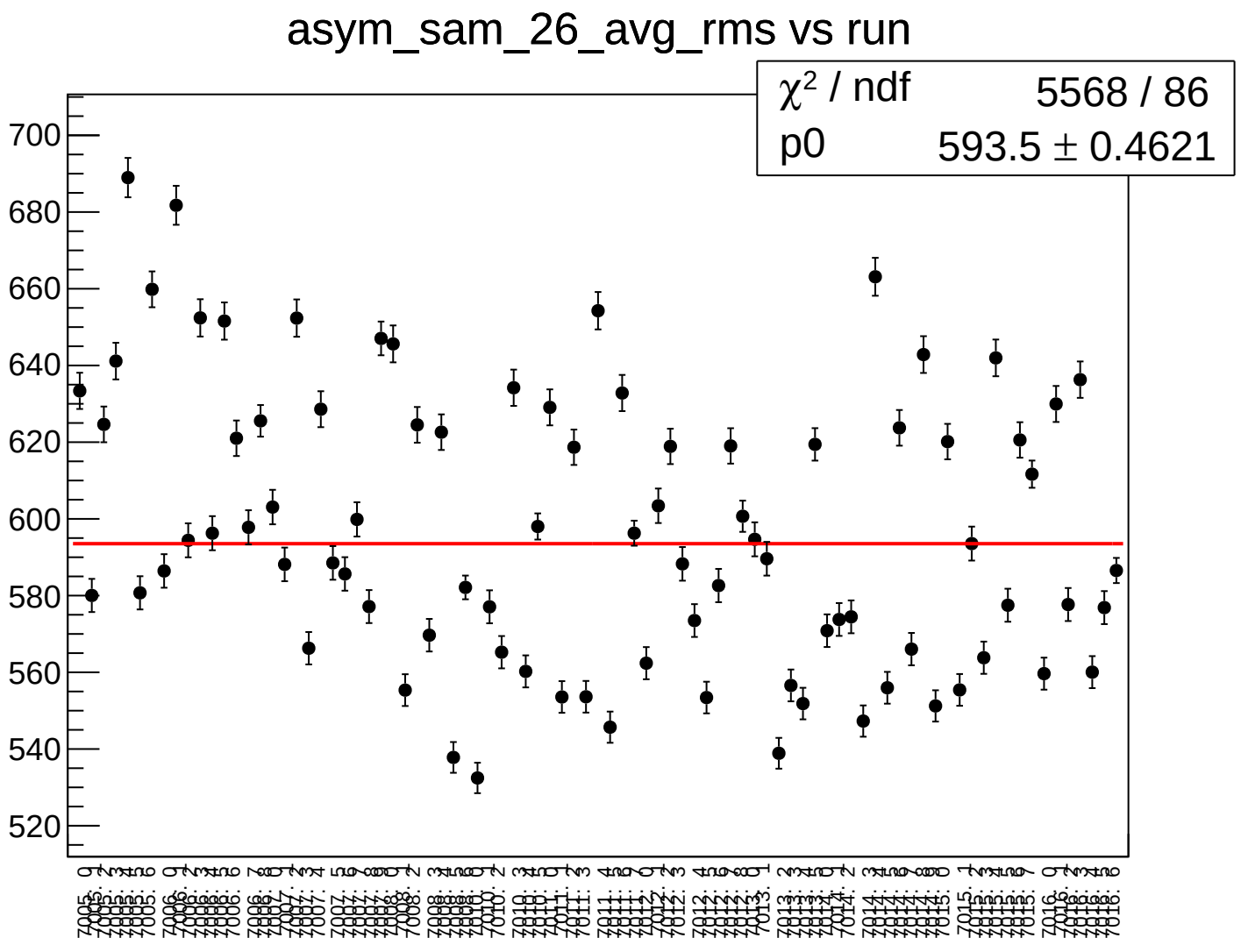

asym_sam_26_avg_correction_mean vs run
χ² / ndf 77.37 / 86
p0 −557.8 ± 689.4
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −597.6
Std Dev 619.6
3
2
1
0
−1
−2

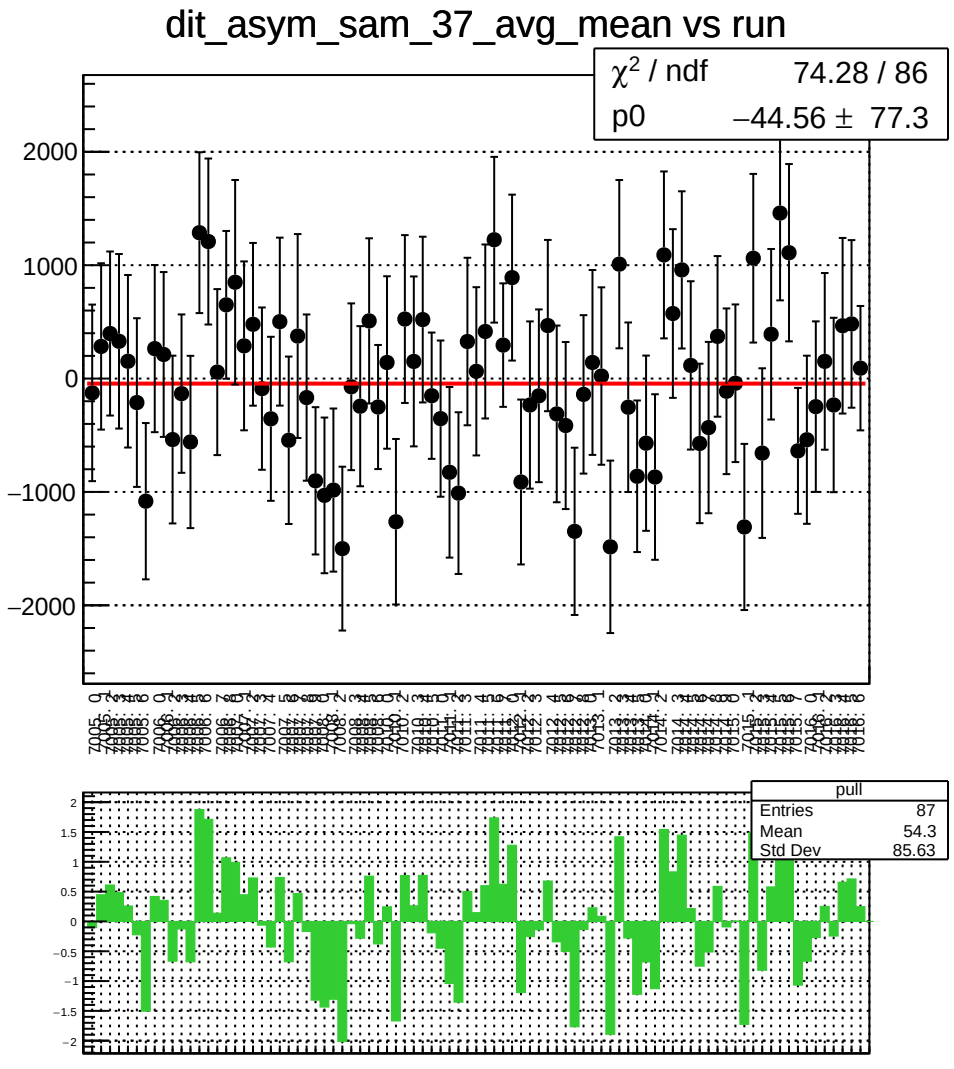

pull1D
Entries 87
Mean 0.003594
Std Dev 0.943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

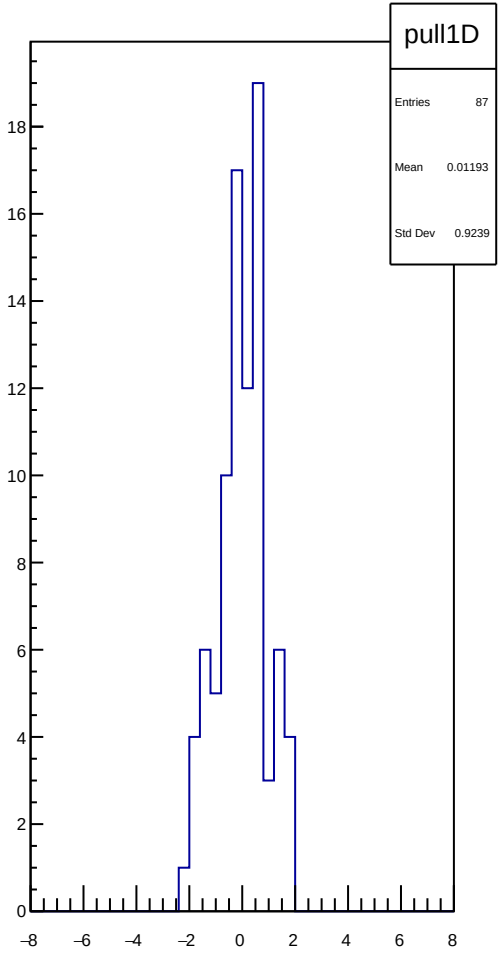

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2899 / 86
p0 626.6 ± 0.4874
720
700
680
660
640
620
600
580
560

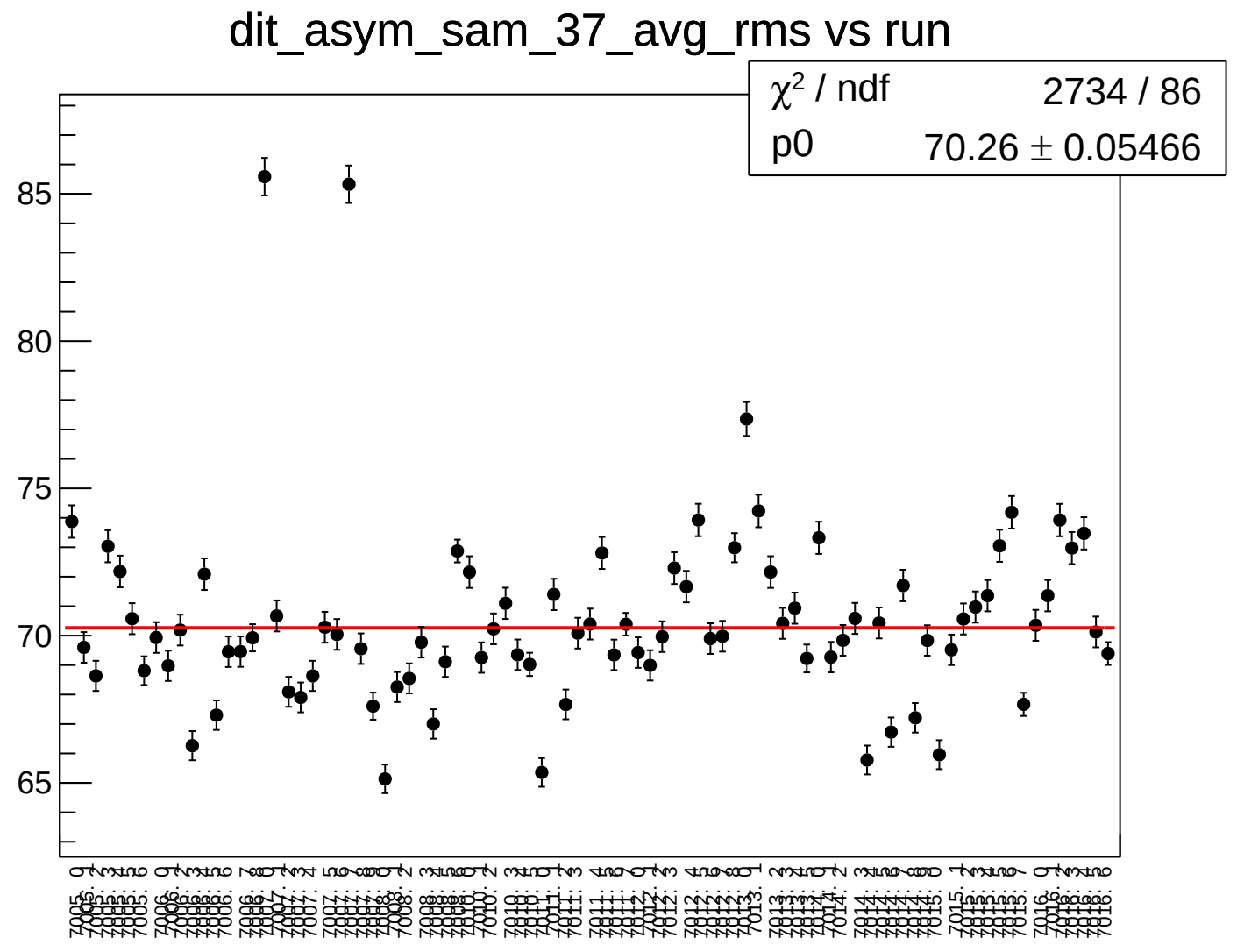

asym_sam_26_avg_mean vs run
χ² / ndf 77.19 / 86
p0 344.9 ± 653.5
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −701.6
Std Dev 715.8
2
1
0
−1
−2

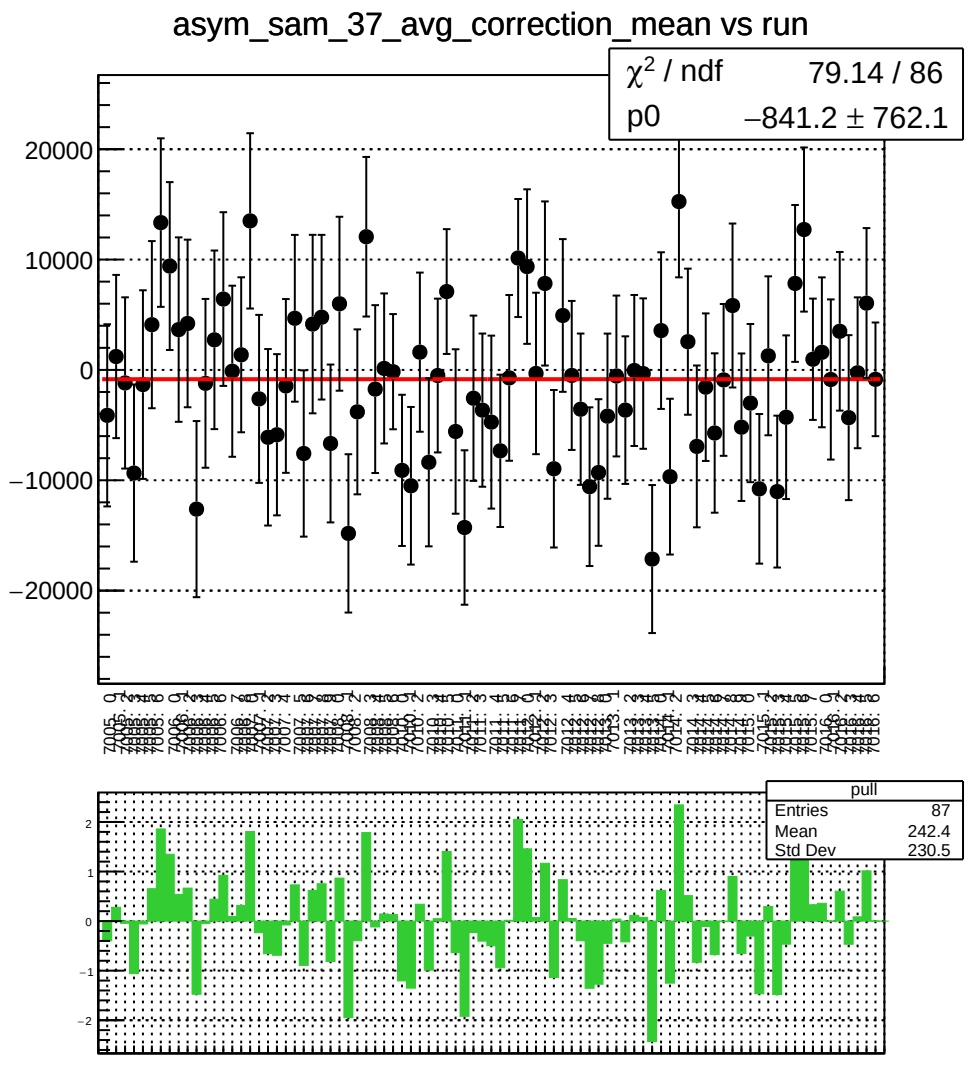

pull1D
Entries 87
Mean −0.002483
Std Dev 0.942
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

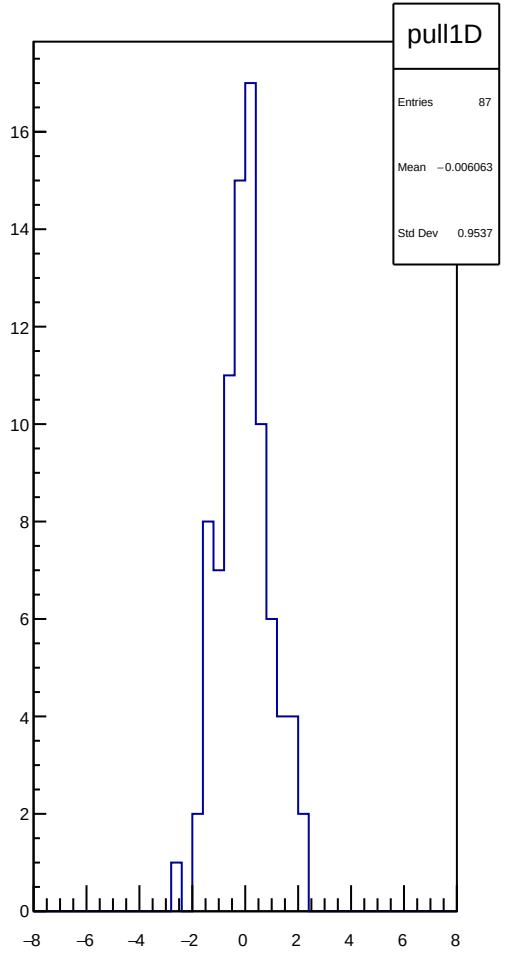

asym_sam_26_avg_rms vs run
χ² / ndf 5568 / 86
p0 593.5 ± 0.4621
700
680
660
640
620
600
580
560
540
520

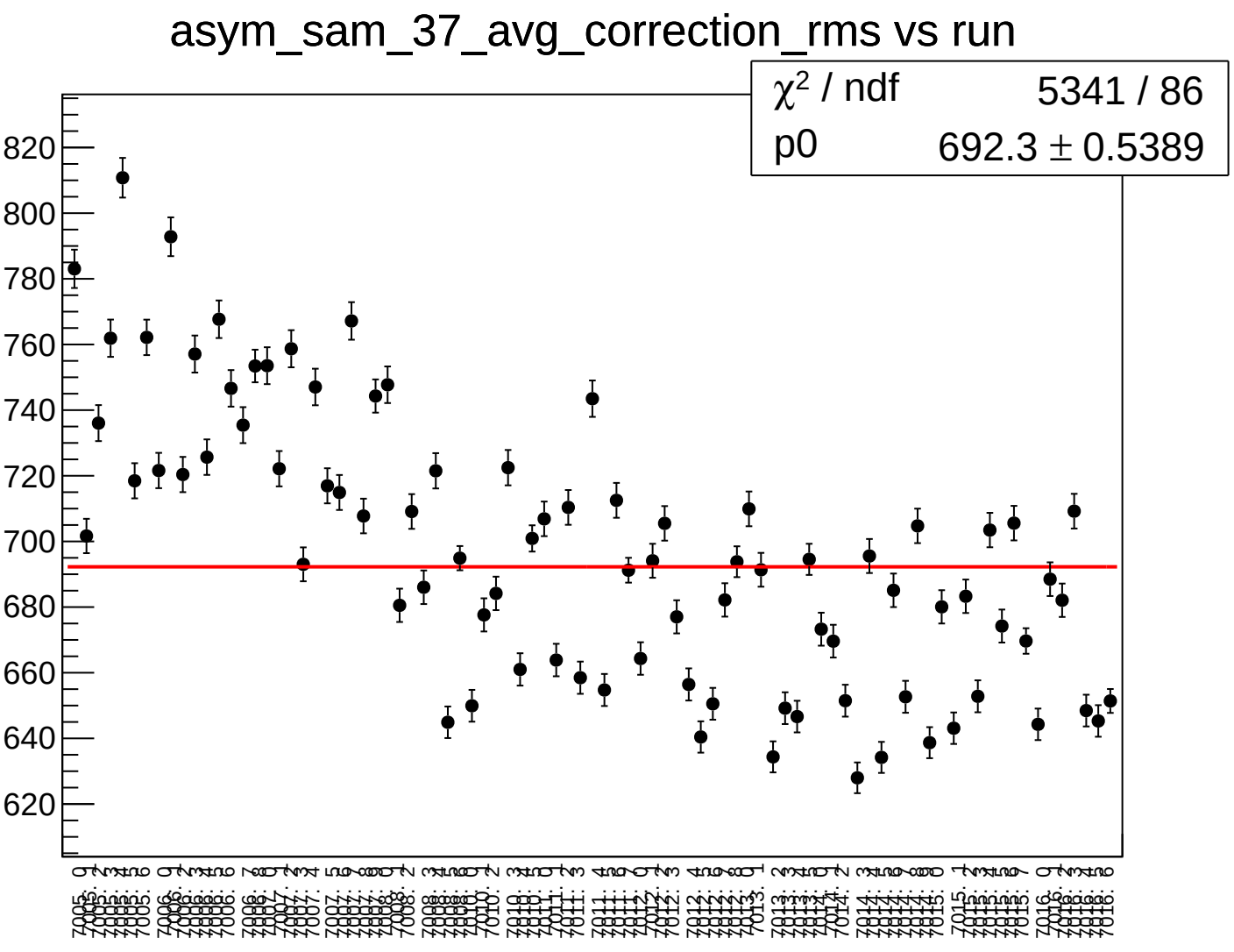

dit_asym_sam_37_avg_mean vs run
χ² / ndf 74.28 / 86
p0 −44.56 ± 77.3
pull
Entries 87
Mean 54.3
Std Dev 85.63

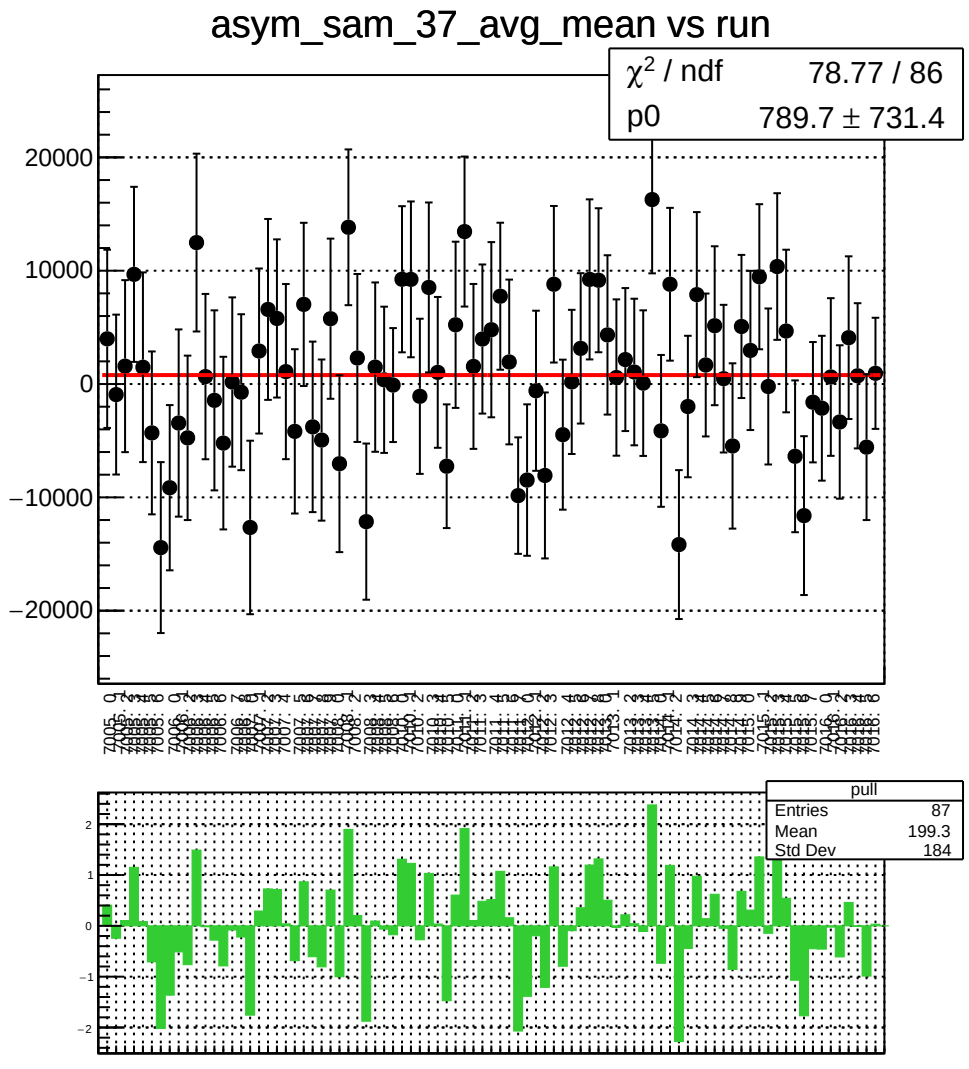

pull1D
Entries 87
Mean 0.01193
Std Dev 0.9239

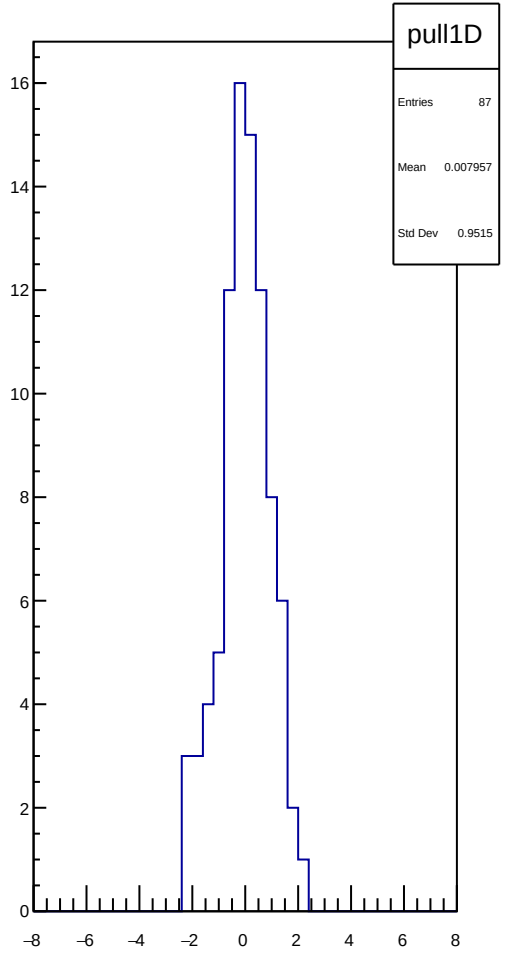

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2734 / 86
p0 70.26 ± 0.05466
85
80
75
70
65

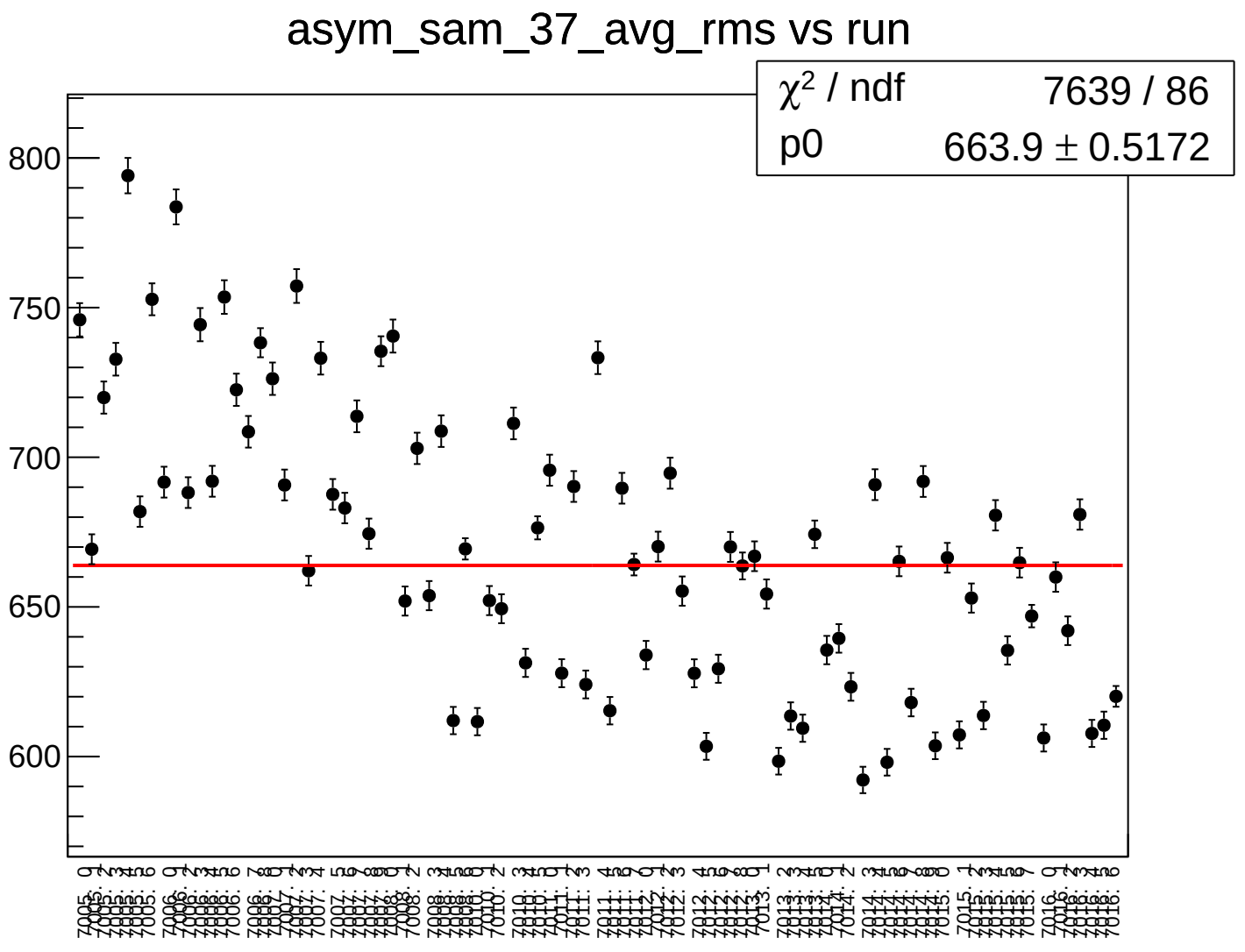

asym_sam_37_avg_correction_mean vs run
χ² / ndf 79.14 / 86
p0 −841.2 ± 762.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 242.4
Std Dev 230.5
2
1
0
−1
−2

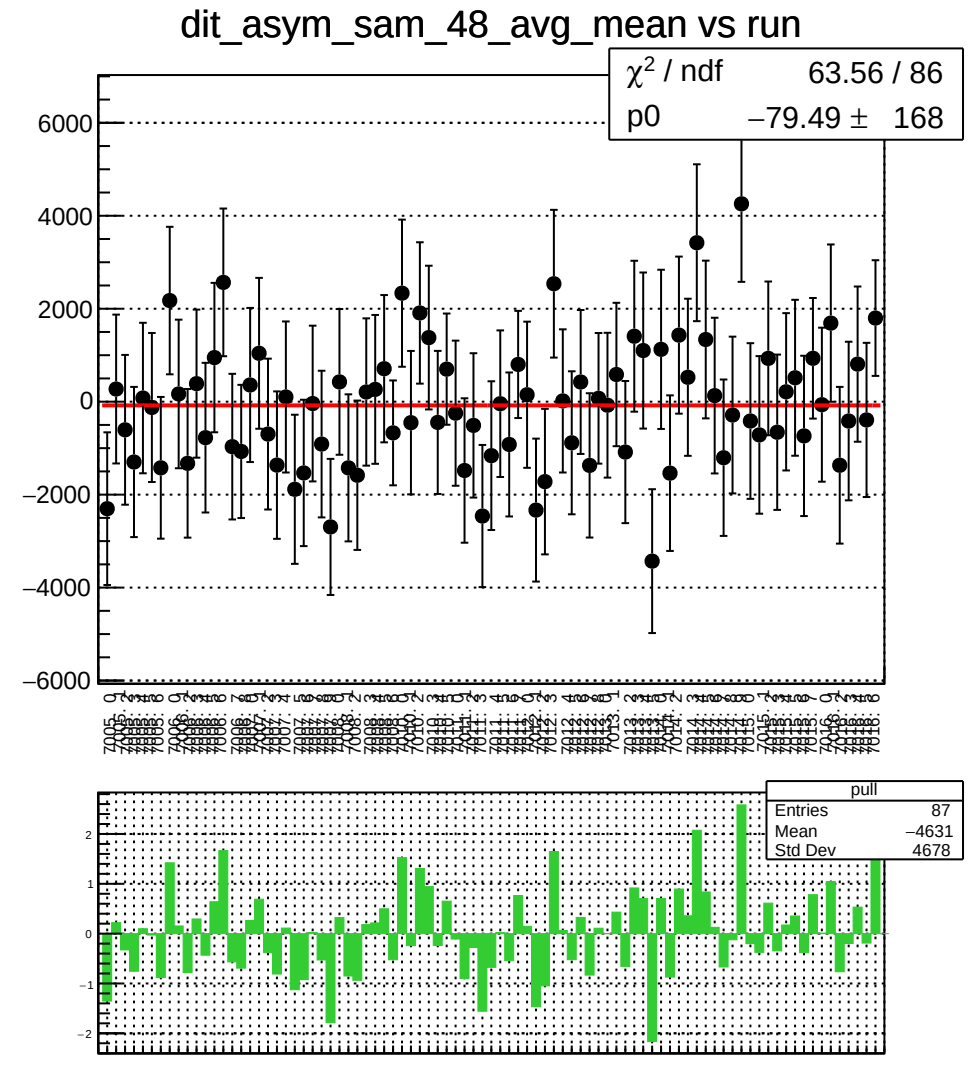

pull1D
Entries 87
Mean −0.006063
Std Dev 0.9537
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

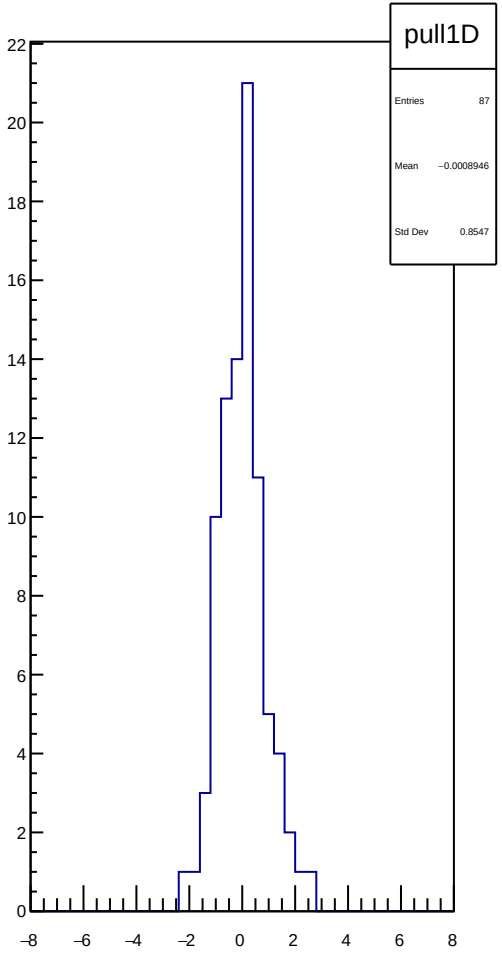

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5341 / 86
p0 692.3 ± 0.5389
820
800
780
760
740
720
700
680
660
640
620

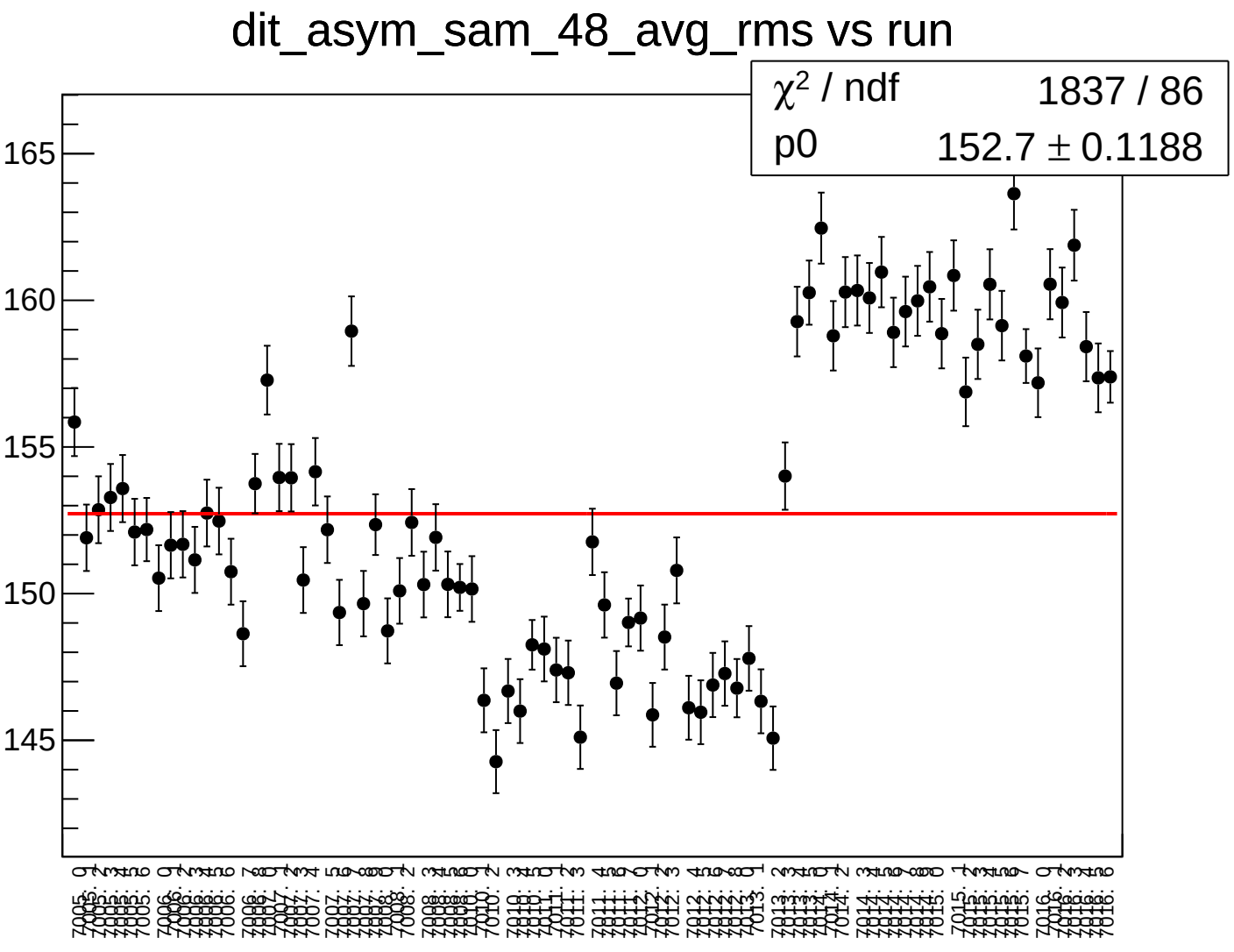

asym_sam_37_avg_mean vs run
χ² / ndf 78.77 / 86
p0 789.7 ± 731.4
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 199.3
Std Dev 184
2
1
0
−1
−2

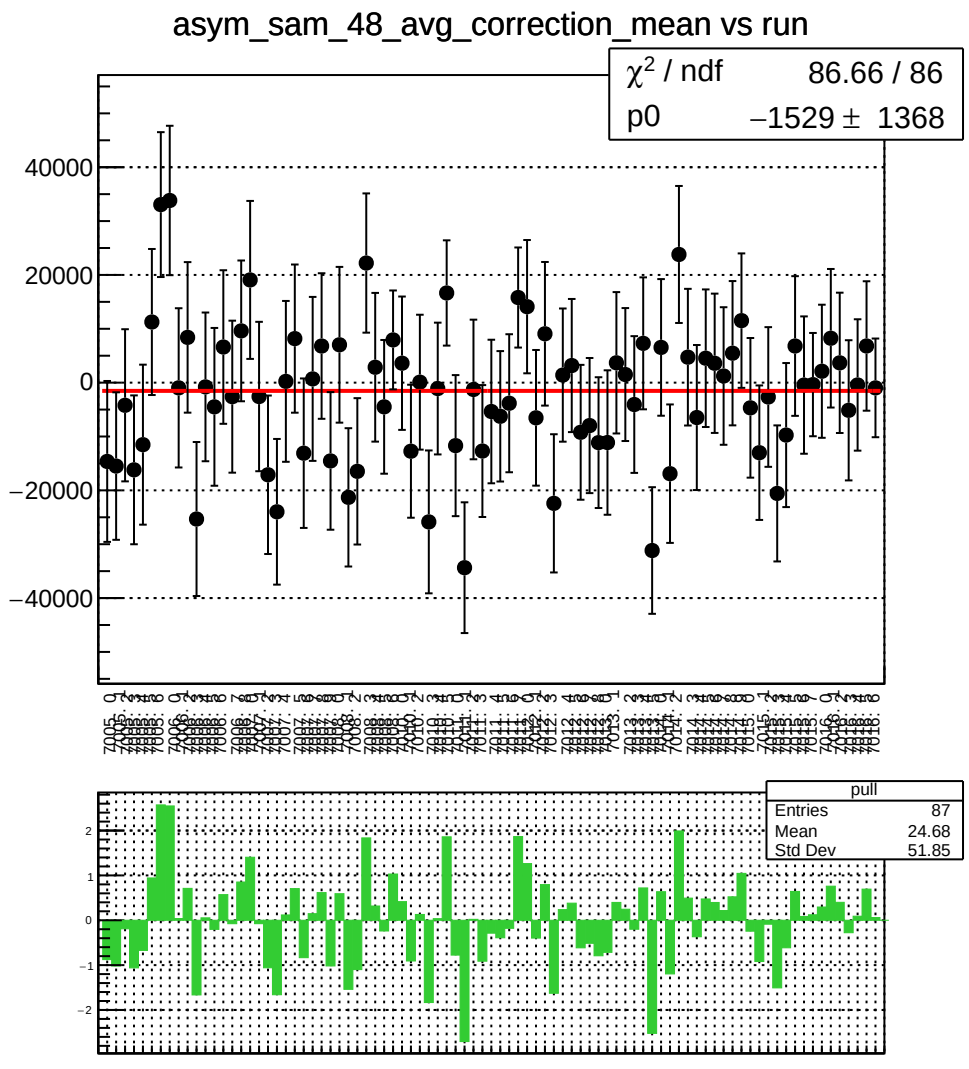

pull1D
Entries 87
Mean 0.007957
Std Dev 0.9515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

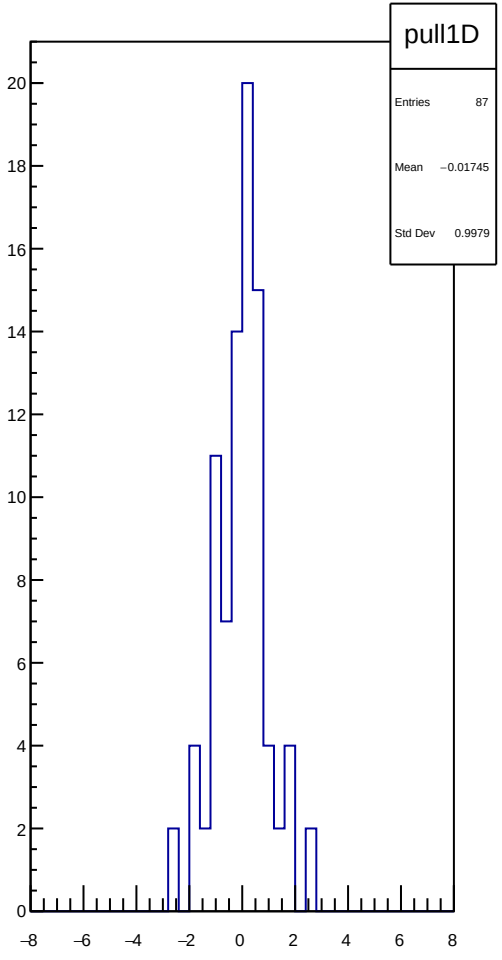

asym_sam_37_avg_rms vs run
χ² / ndf 7639 / 86
p0 663.9 ± 0.5172
800
750
700
650
600

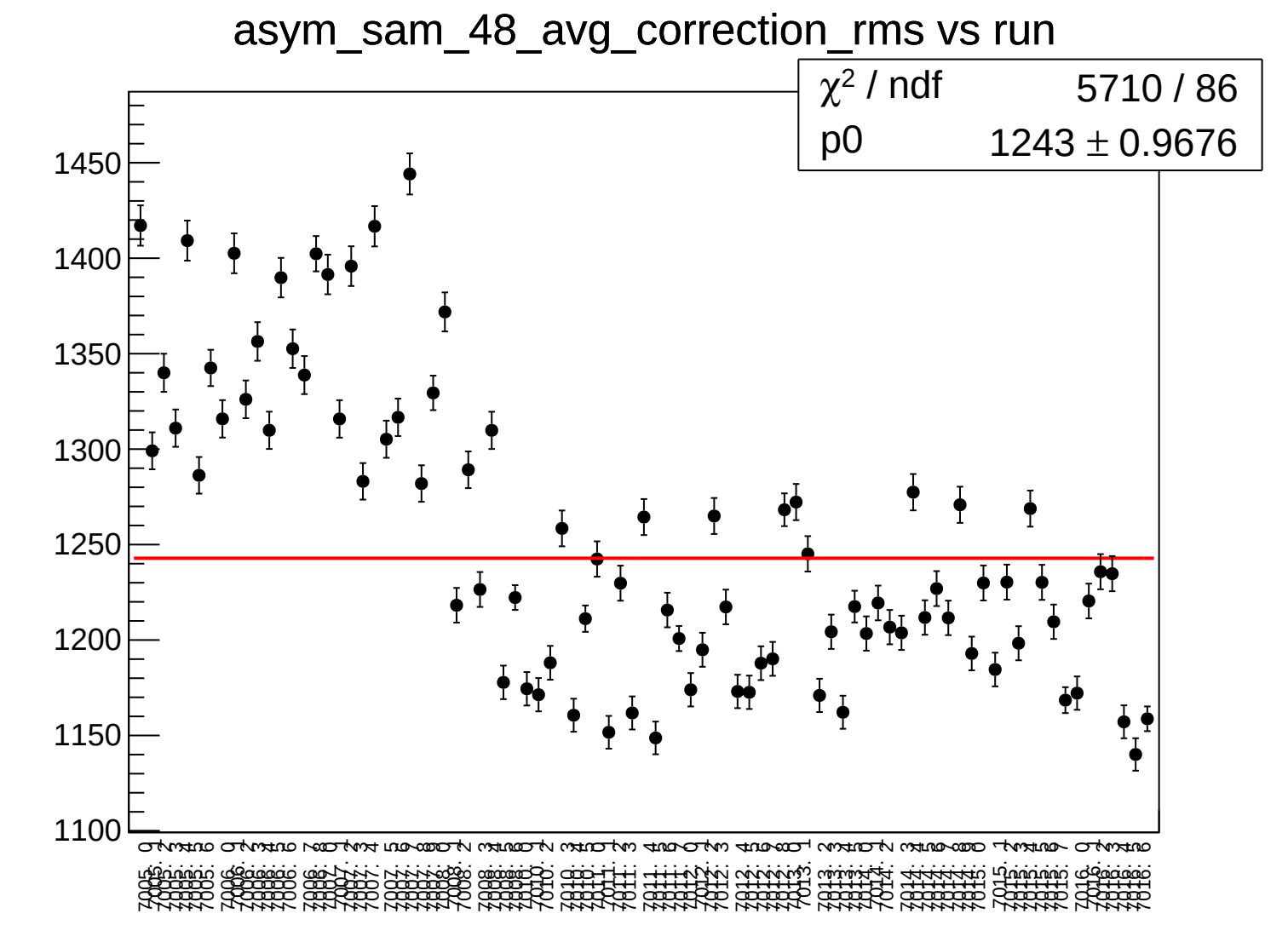

dit_asym_sam_48_avg_mean vs run
χ² / ndf 63.56 / 86
p0 −79.49 ± 168
pull
Entries 87
Mean −4631
Std Dev 4678

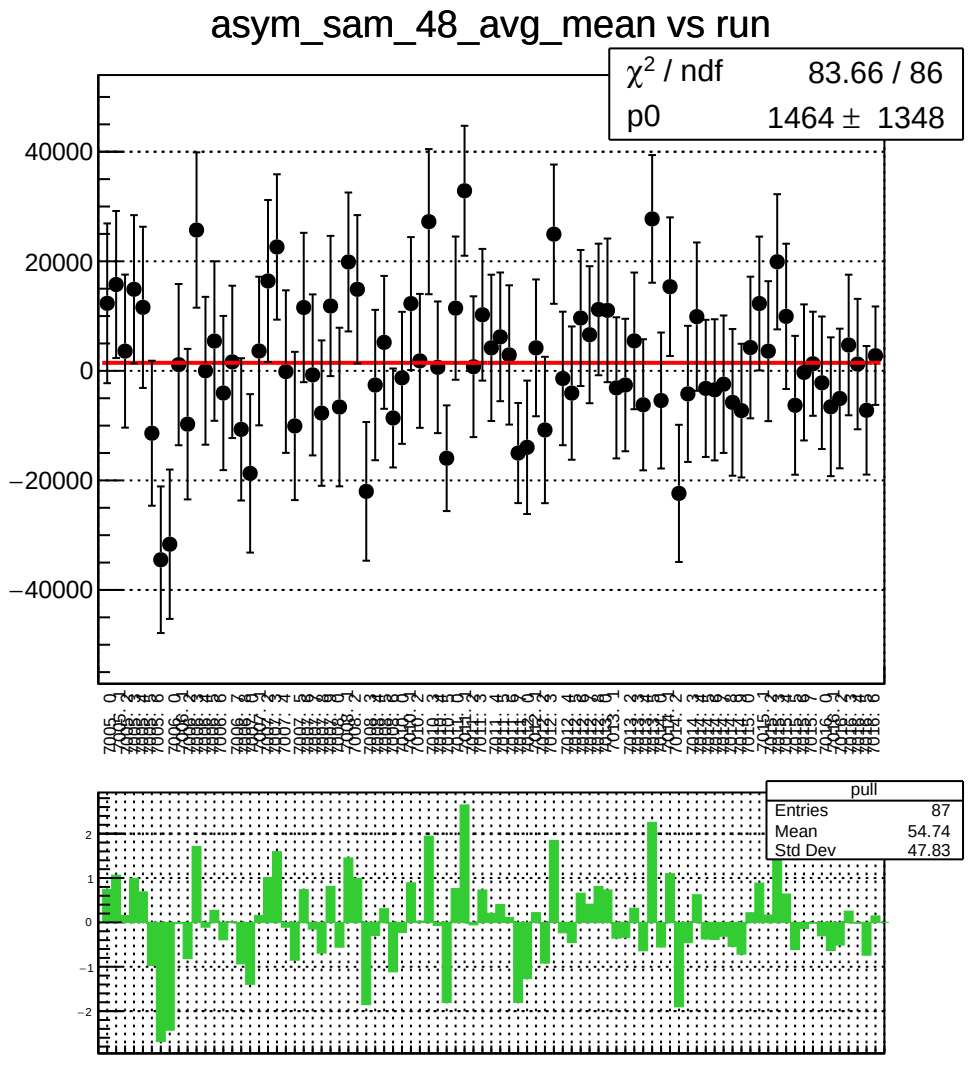

pull1D
Entries 87
Mean −0.0008946
Std Dev 0.8547

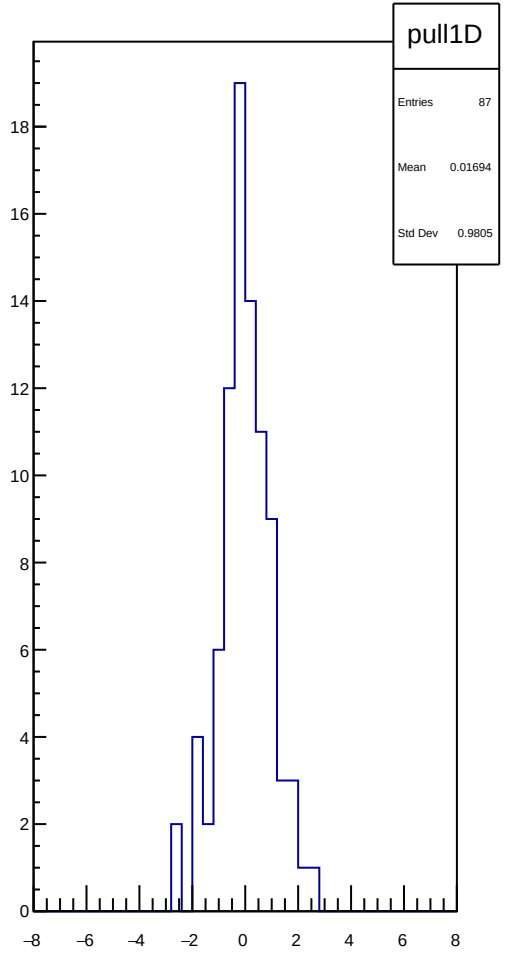

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1837 / 86
p0 152.7 ± 0.1188
165
160
155
150
145

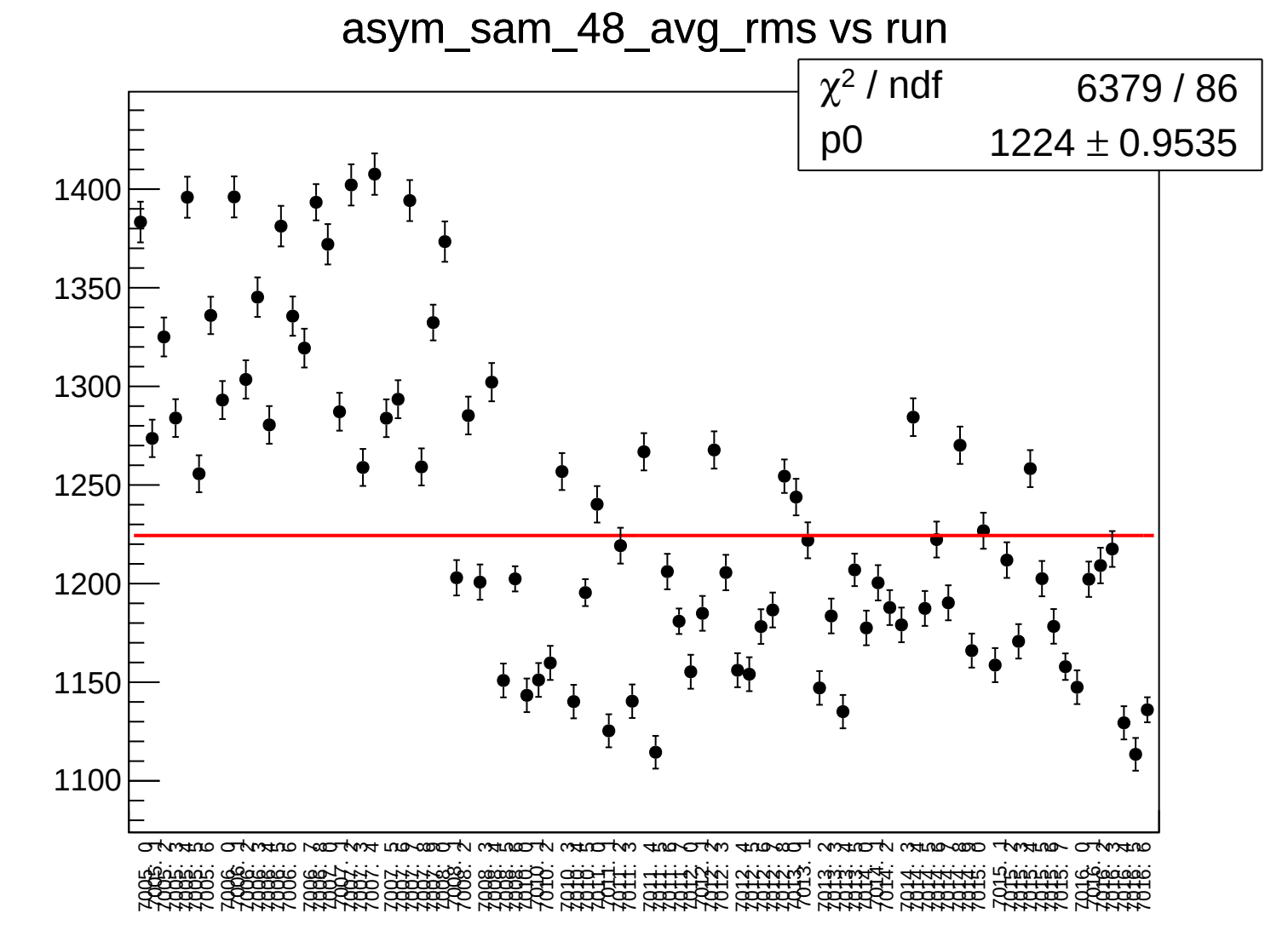

asym_sam_48_avg_correction_mean vs run
χ² / ndf 86.66 / 86
p0 −1529 ± 1368
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 24.68
Std Dev 51.85
2
1
0
−1
−2

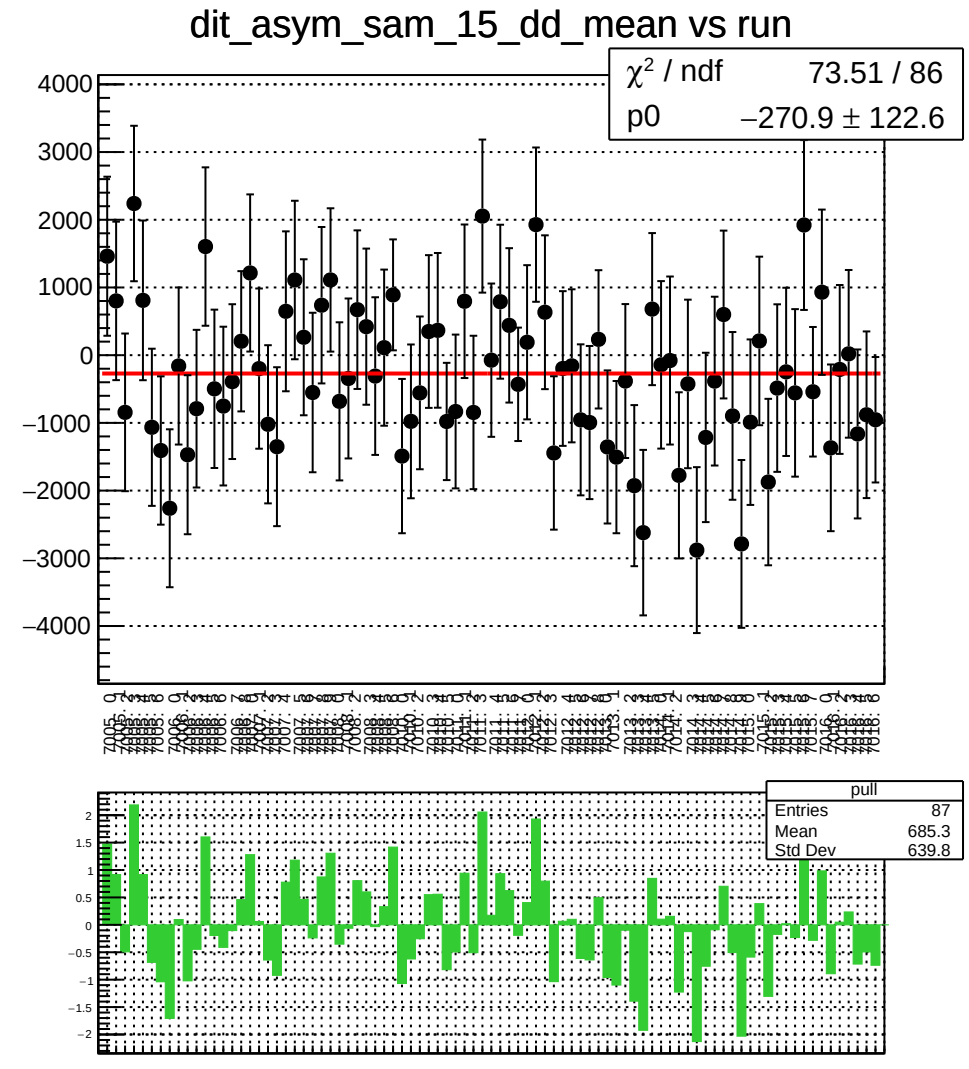

pull1D
Entries 87
Mean −0.01745
Std Dev 0.9979
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

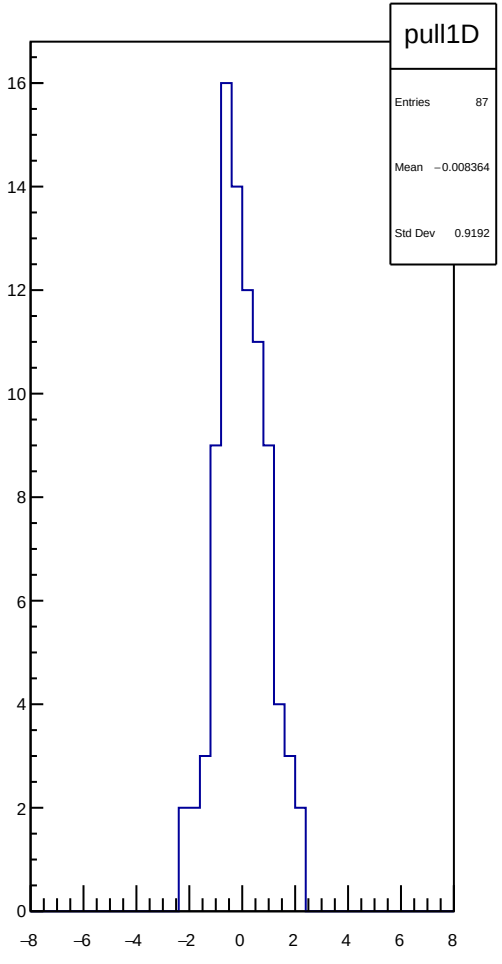

asym_sam_48_avg_correction_rms vs run
χ² / ndf 5710 / 86
p0 1243 ± 0.9676
1450
1400
1350
1300
1250
1200
1150
1100

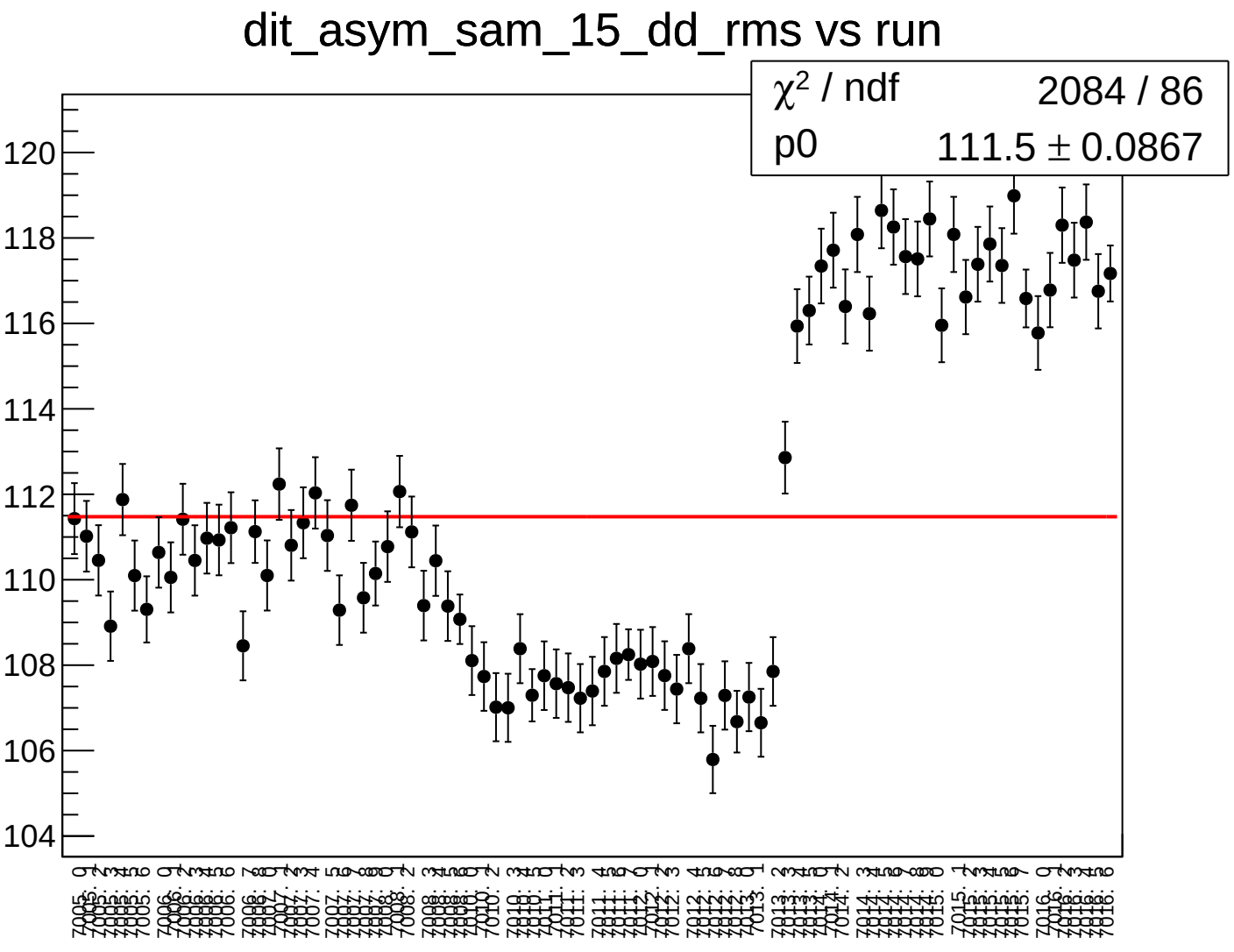

asym_sam_48_avg_mean vs run
χ^2 / ndf 83.66 / 86
p0 1464 ± 1348
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 54.74
Std Dev 47.83
2
1
0
−1
−2

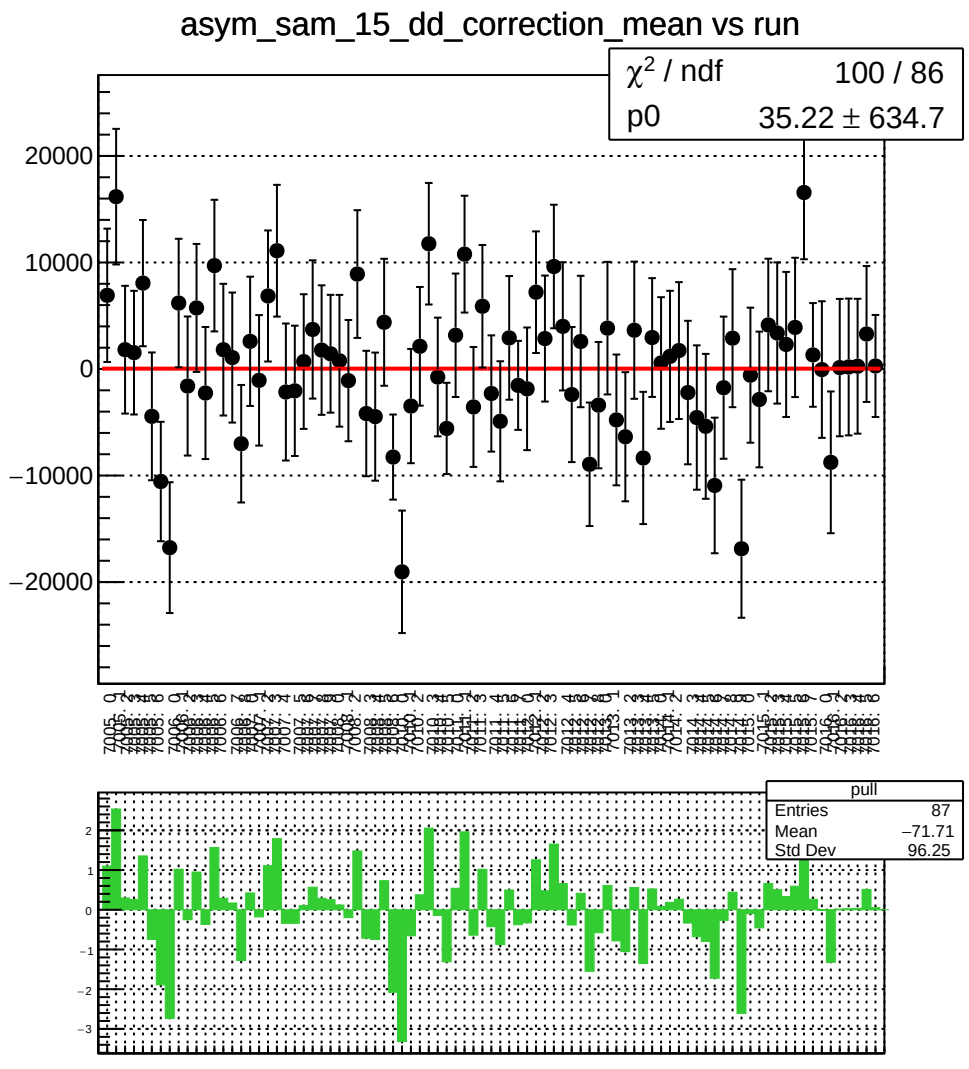

pull1D
Entries 87
Mean 0.01694
Std Dev 0.9805
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

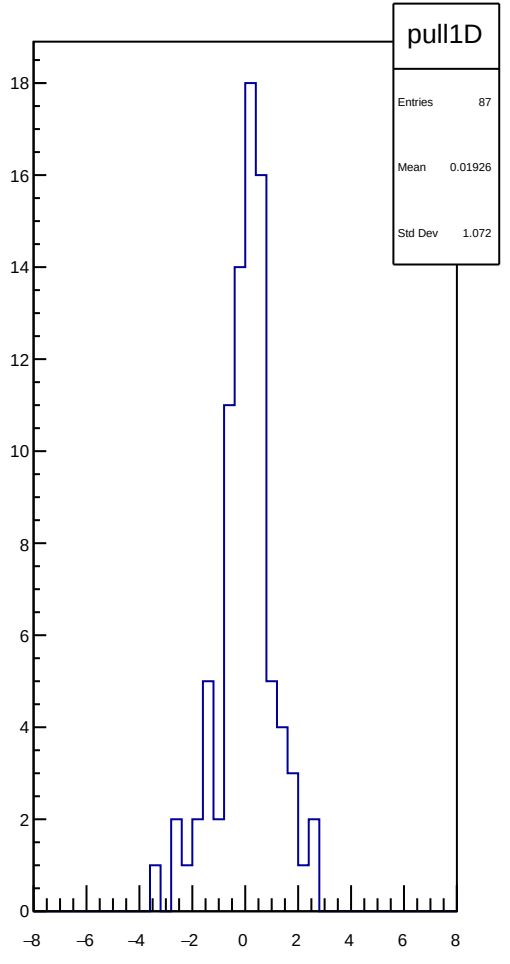

asym_sam_48_avg_rms vs run
χ² / ndf 6379 / 86
p0 1224 ± 0.9535
1400
1350
1300
1250
1200
1150
1100

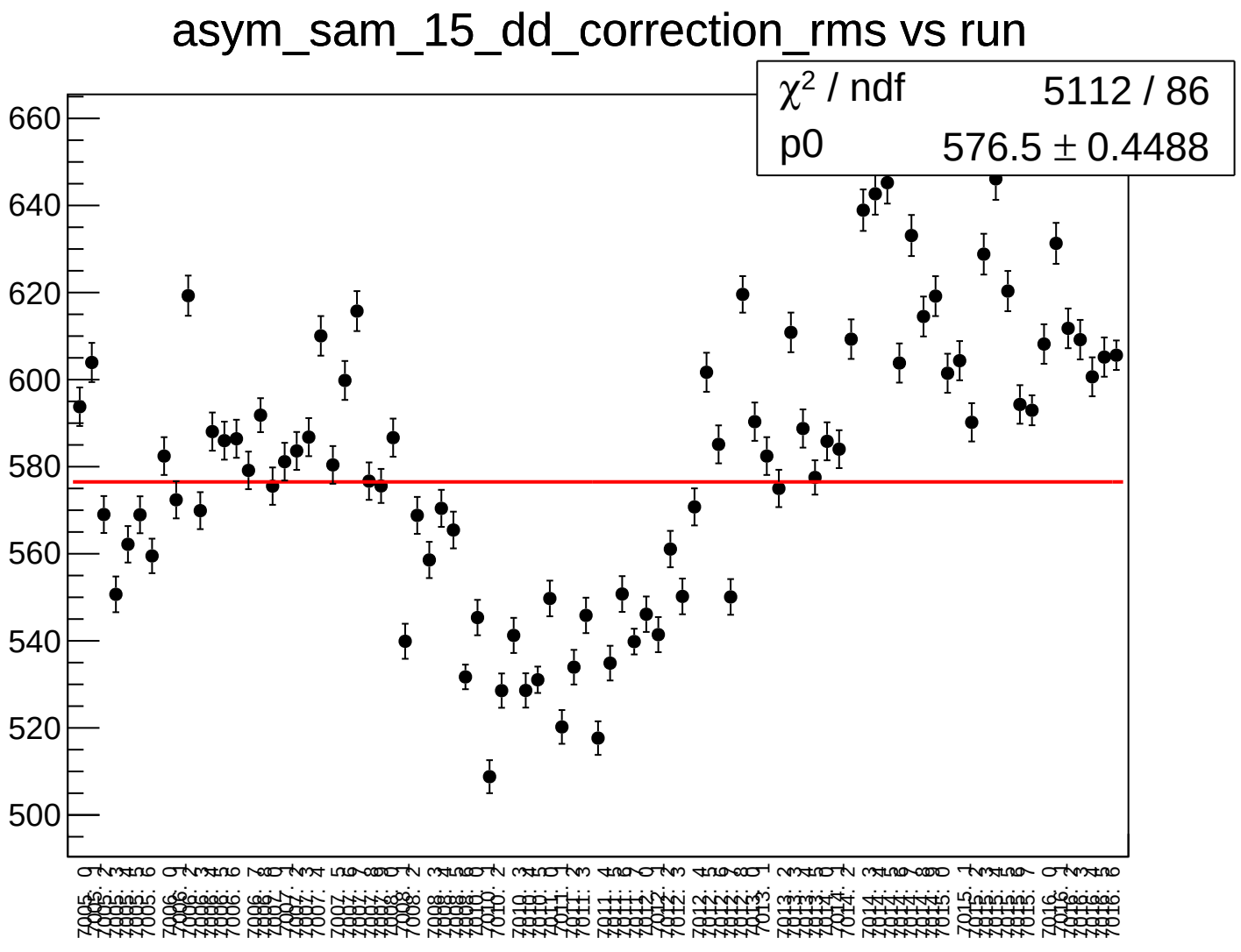

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.51 / 86
p0 −270.9 ± 122.6
pull
Entries 87
Mean 685.3
Std Dev 639.8

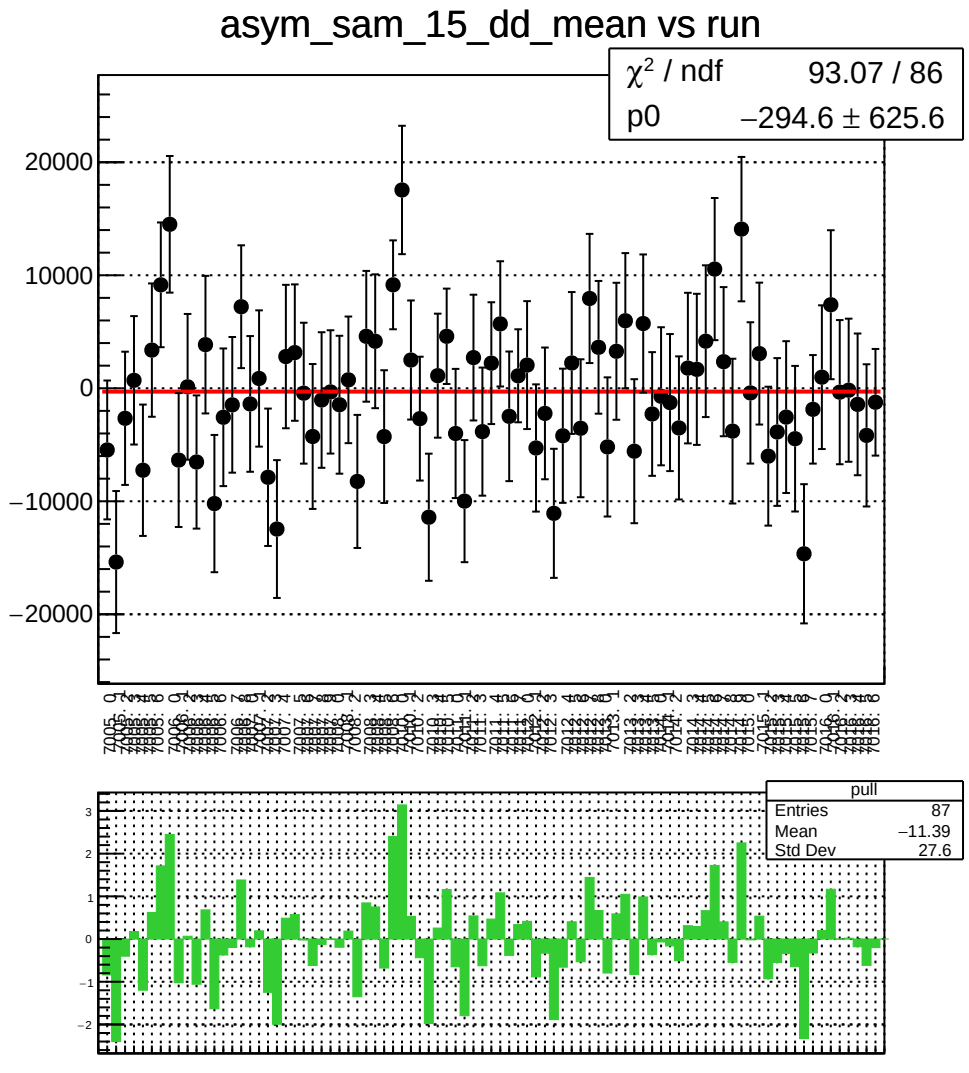

pull1D
Entries 87
Mean −0.008364
Std Dev 0.9192

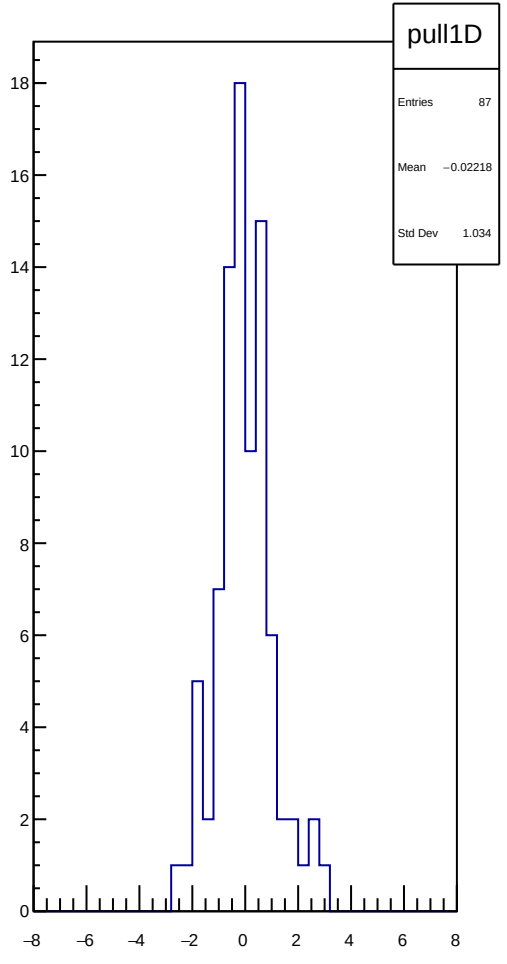

dit_asym_sam_15_dd_rms vs run
χ² / ndf 2084 / 86
p0 111.5 ± 0.0867
120
118
116
114
112
110
108
106
104

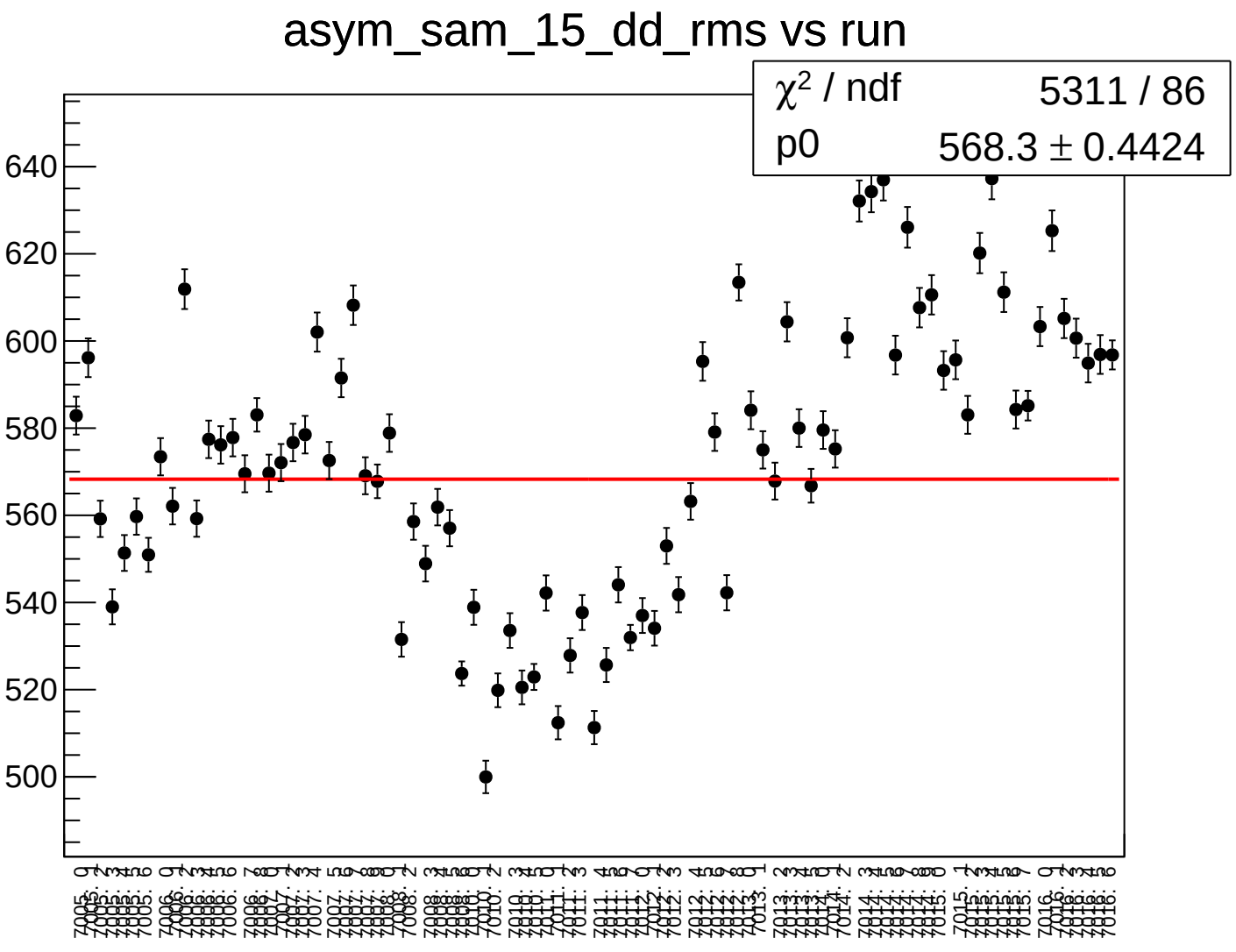

asym_sam_15_dd_correction_mean vs run
χ² / ndf 100 / 86
p0 35.22 ± 634.7
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −71.71
Std Dev 96.25
2
1
0
−1
−2
−3

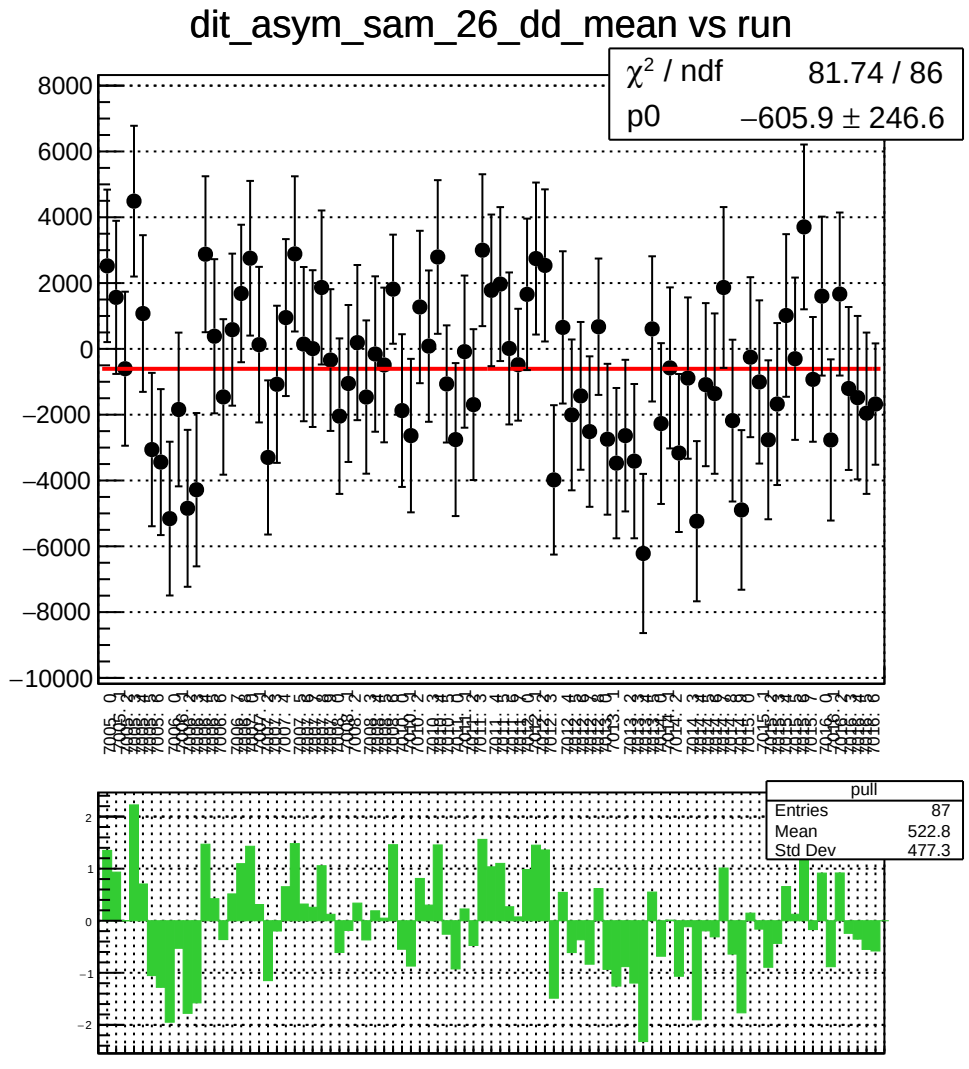

pull1D
Entries 87
Mean 0.01926
Std Dev 1.072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

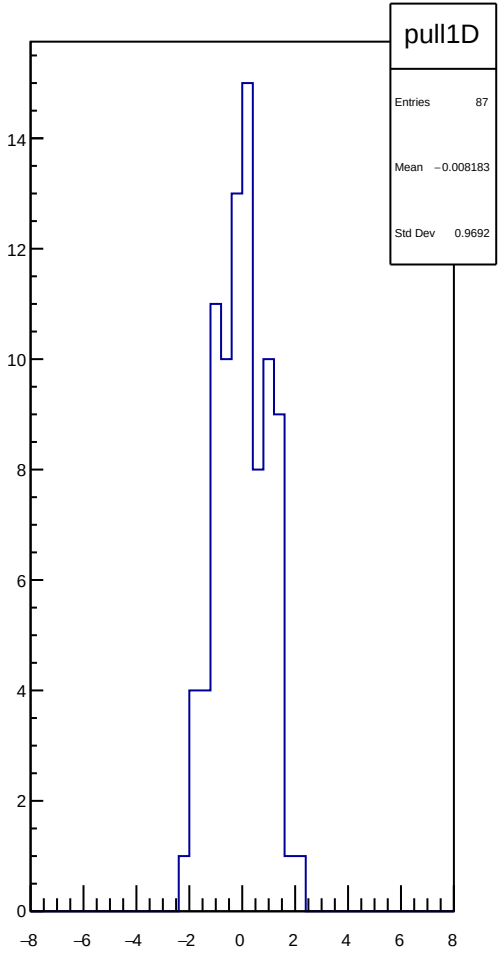

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5112 / 86
p0 576.5 ± 0.4488
660
640
620
600
580
560
540
520
500

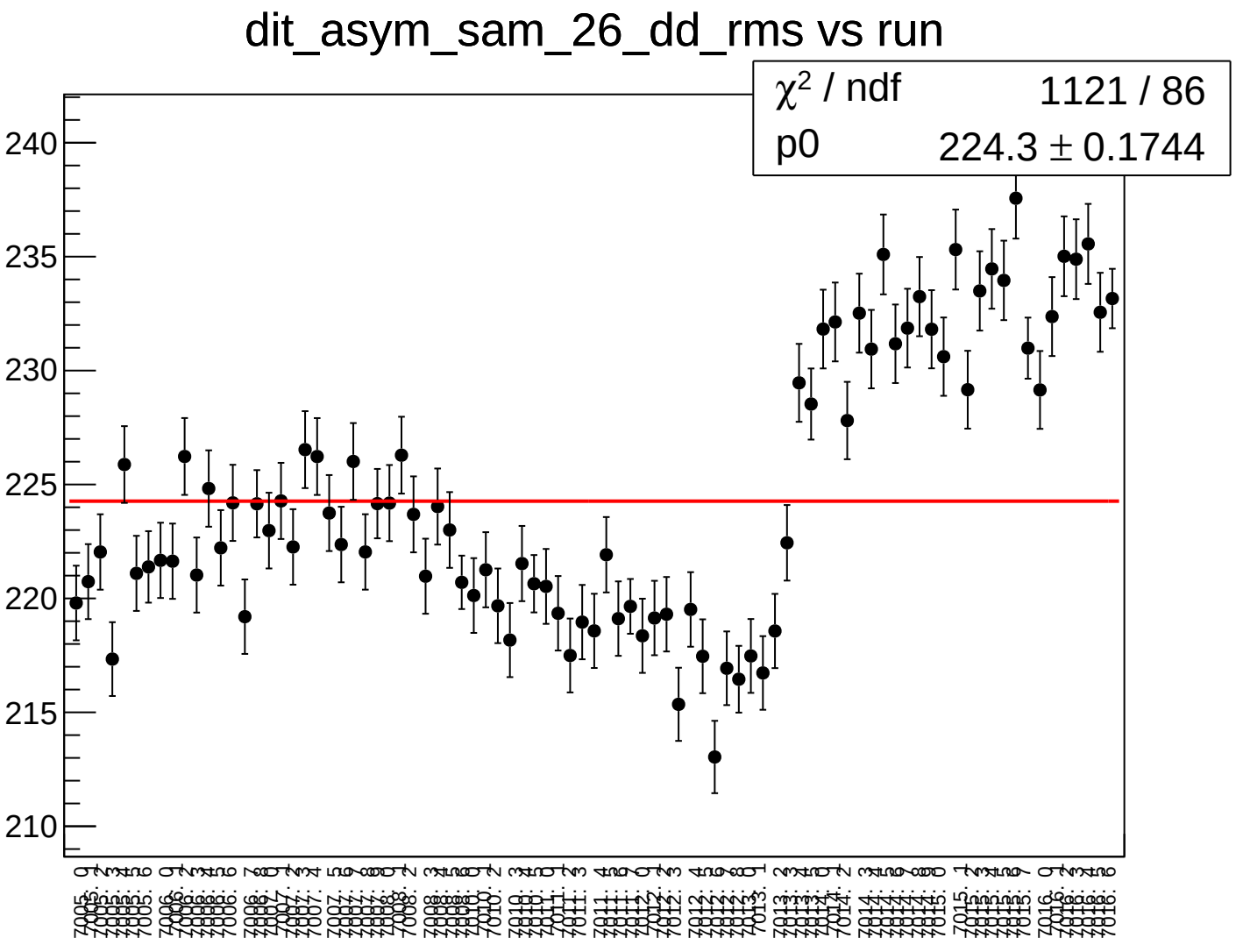

asym_sam_15_dd_mean vs run
χ² / ndf 93.07 / 86
p0 −294.6 ± 625.6
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −11.39
Std Dev 27.6
3
2
1
0
−1
−2

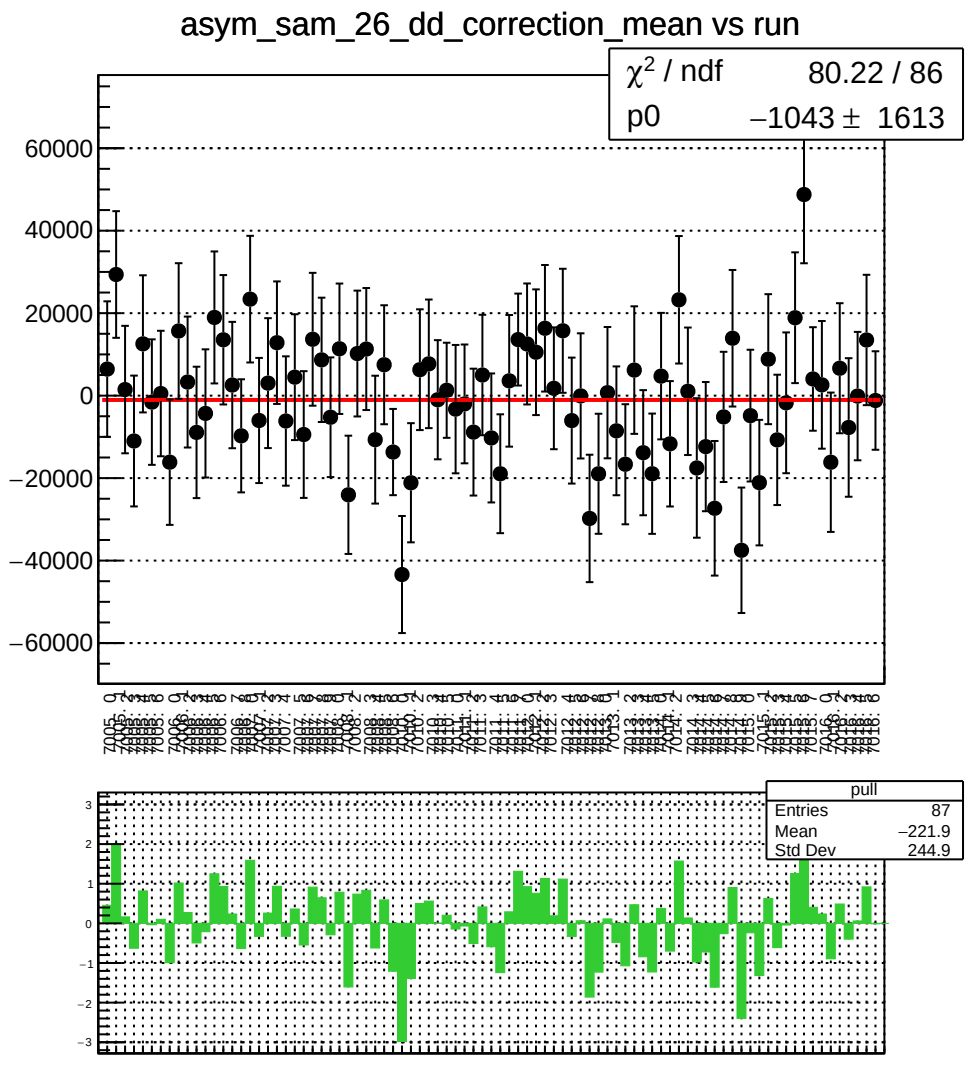

pull1D
Entries 87
Mean −0.02218
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

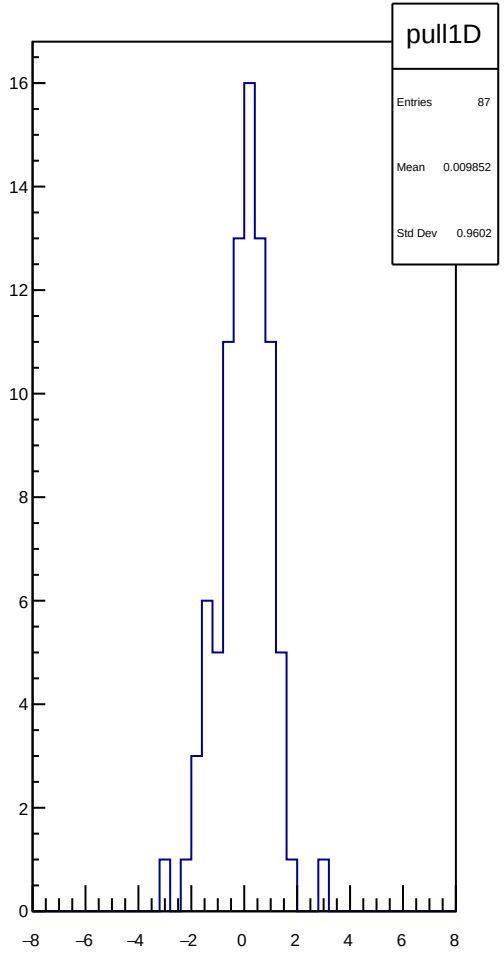

asym_sam_15_dd_rms vs run
χ² / ndf 5311 / 86
p0 568.3 ± 0.4424
640
620
600
580
560
540
520
500

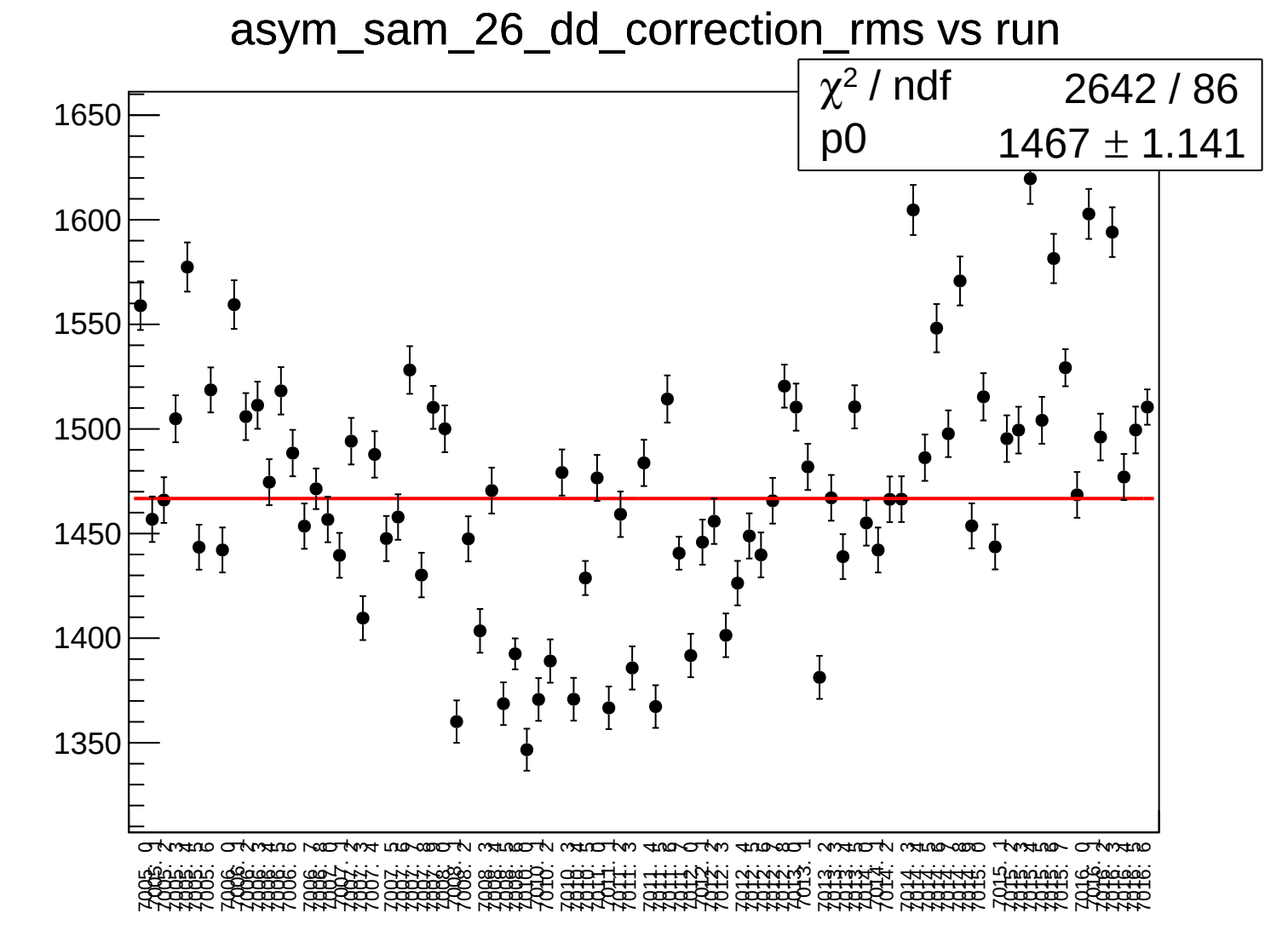

dit_asym_sam_26_dd_mean vs run
χ² / ndf 81.74 / 86
p0 −605.9 ± 246.6
pull
Entries 87
Mean 522.8
Std Dev 477.3

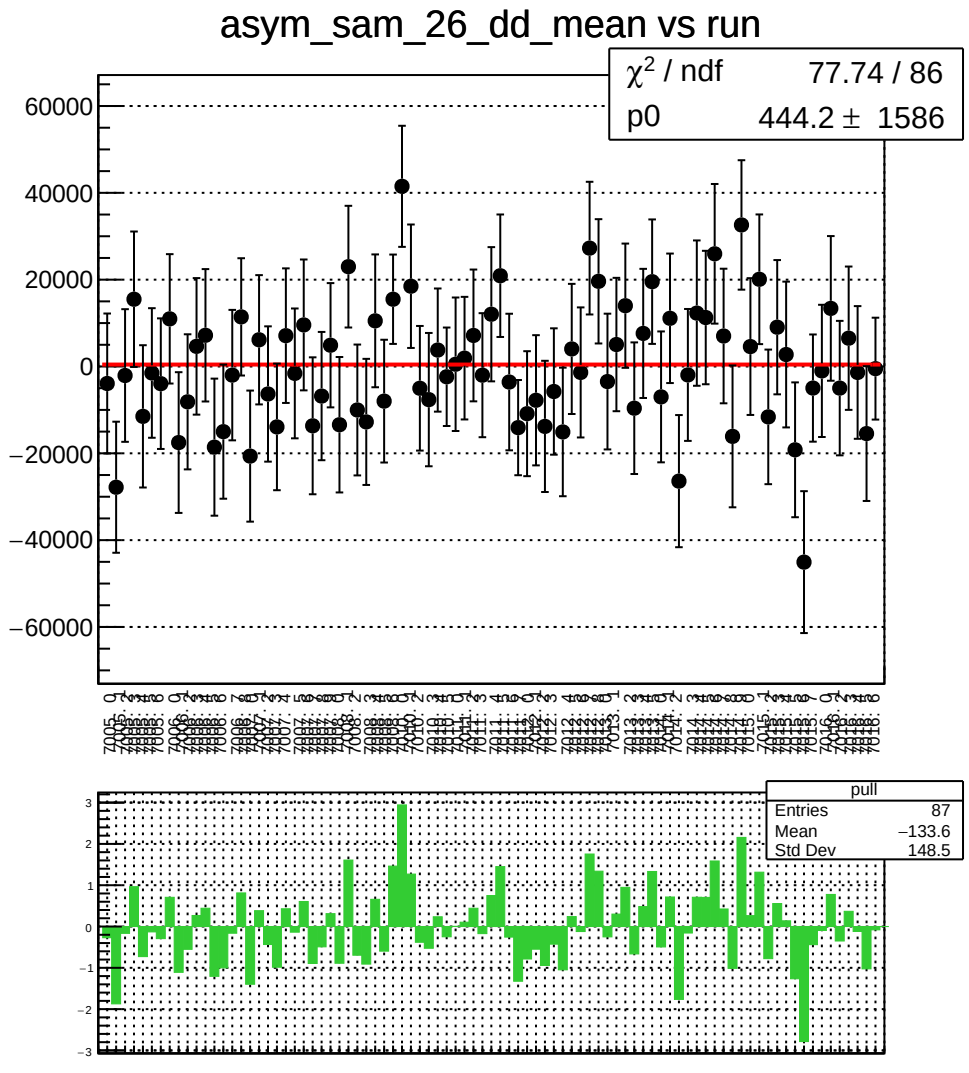

pull1D
Entries 87
Mean −0.008183
Std Dev 0.9692

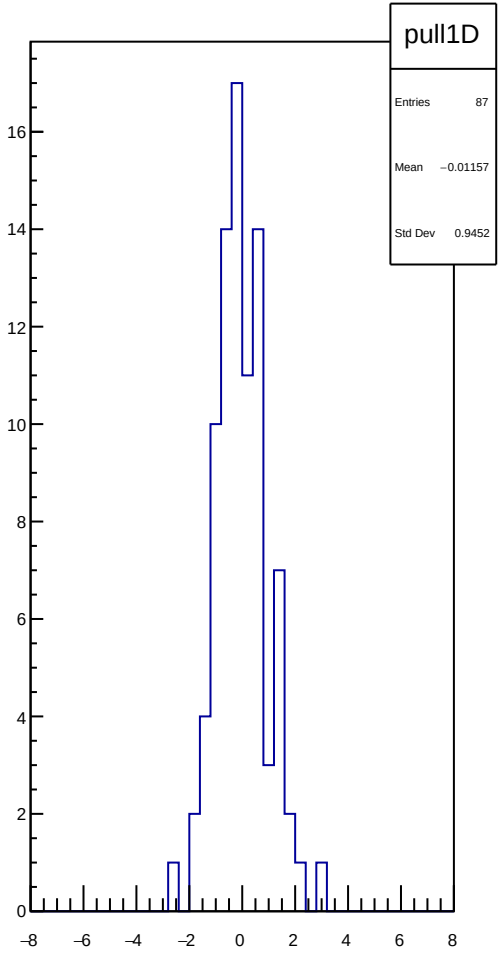

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1121 / 86
p0 224.3 ± 0.1744
240
235
230
225
220
215
210

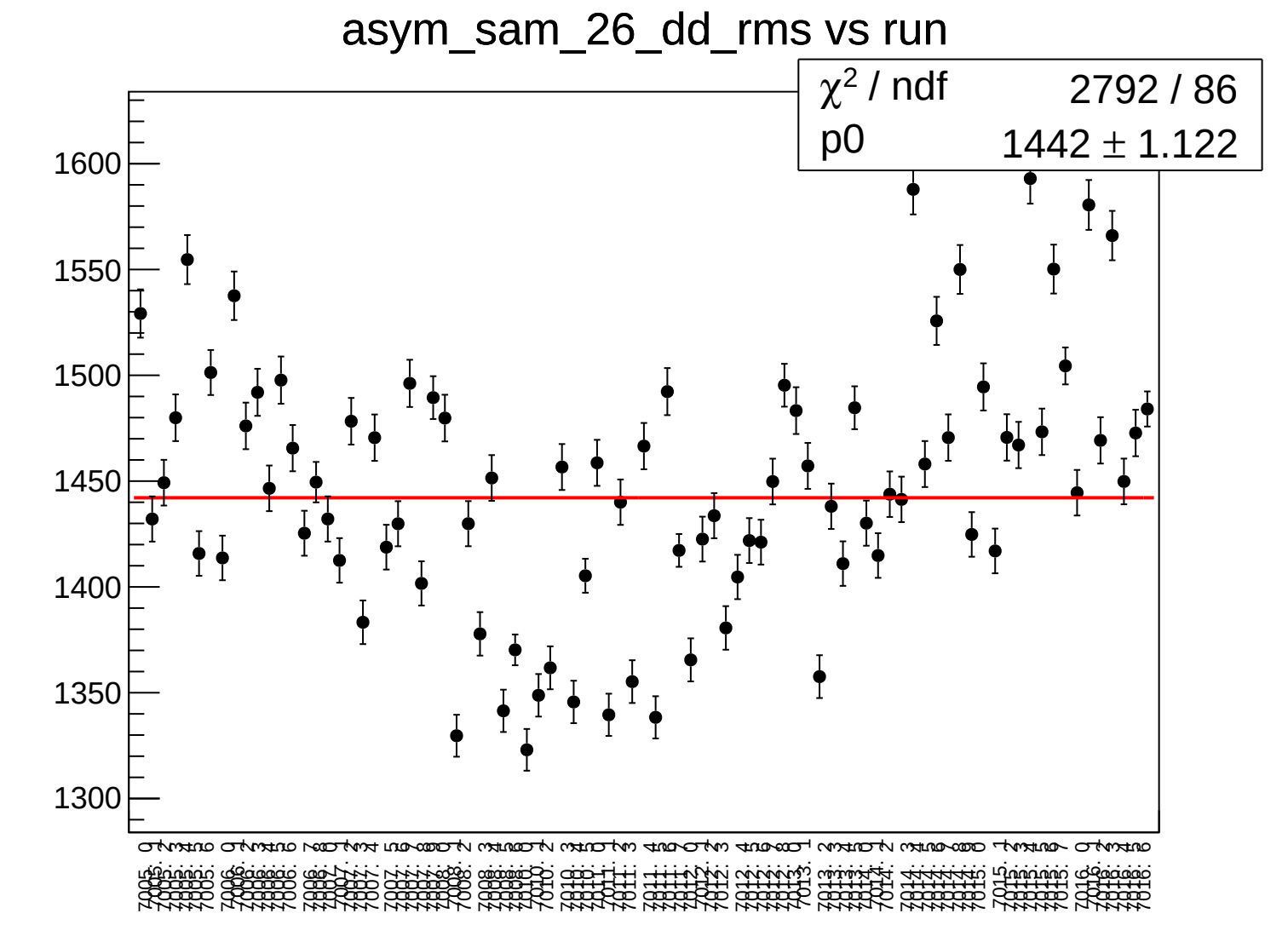

asym_sam_26_dd_correction_mean vs run
χ² / ndf 80.22 / 86
p0 −1043 ± 1613
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −221.9
Std Dev 244.9
3
2
1
0
−1
−2
−3

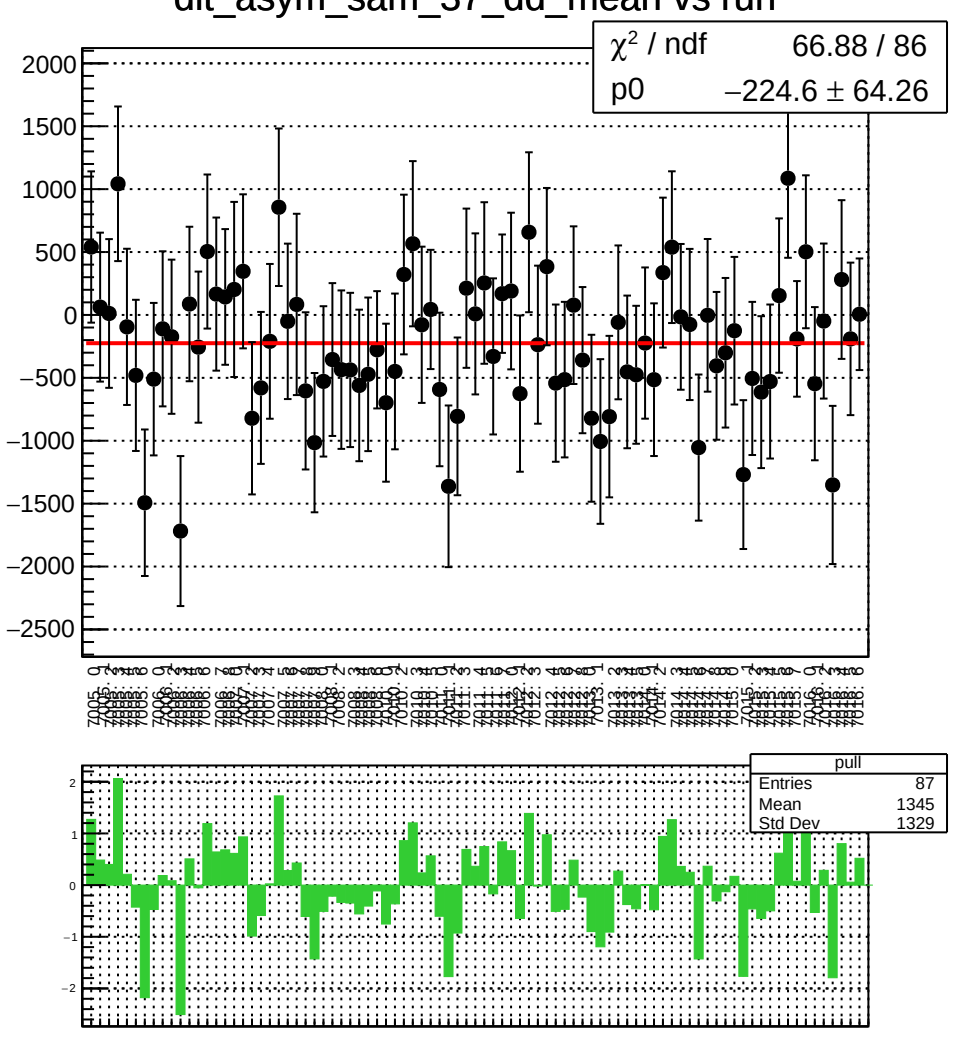

pull1D
Entries 87
Mean 0.009852
Std Dev 0.9602
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

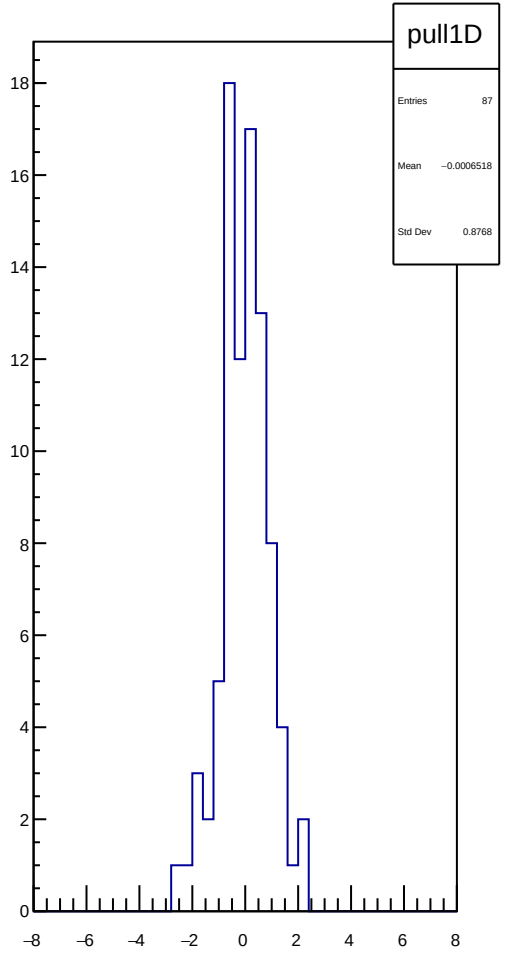

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2642 / 86
p0 1467 ± 1.141
1650
1600
1550
1500
1450
1400
1350

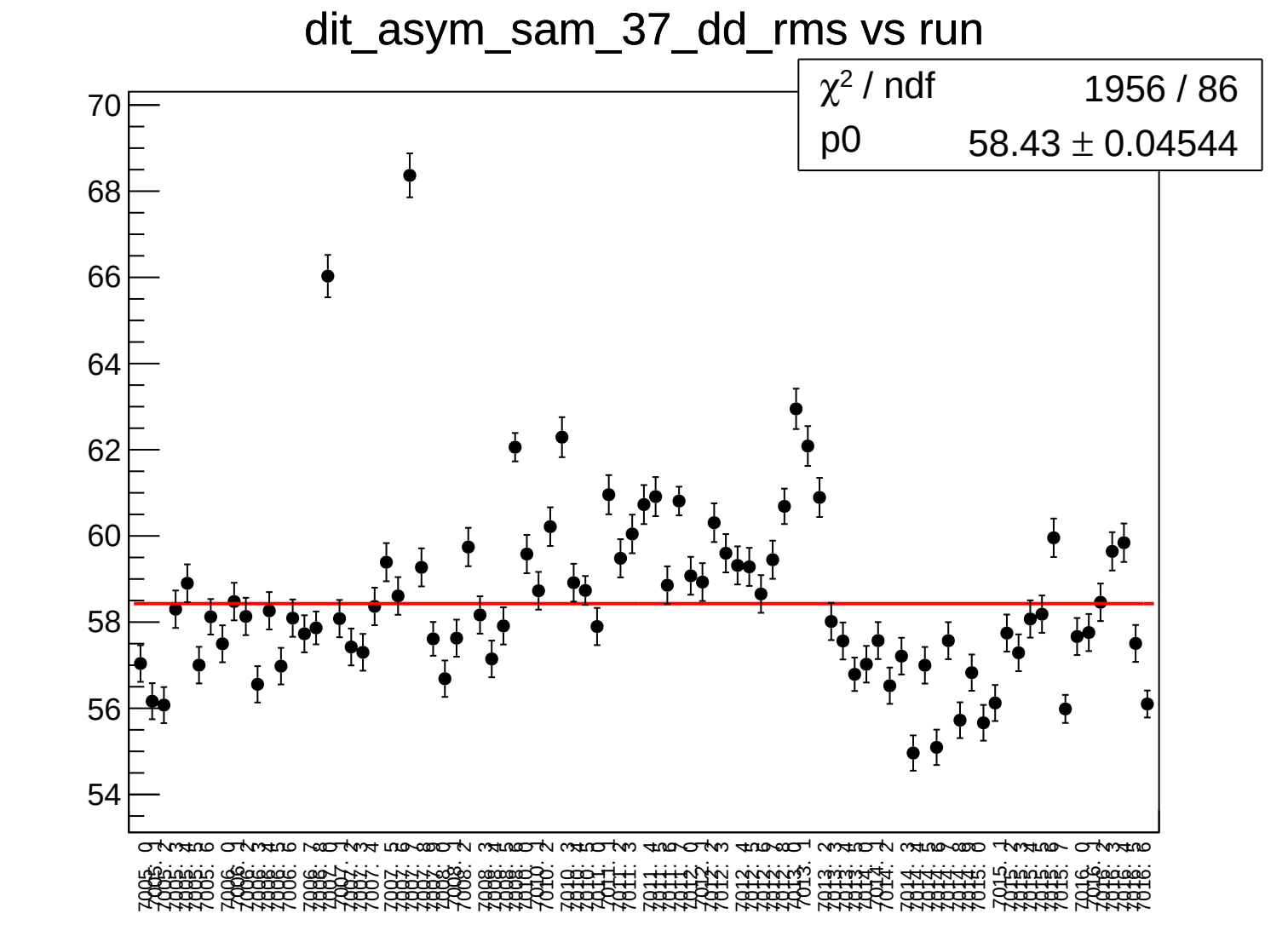

asym_sam_26_dd_mean vs run
χ² / ndf 77.74 / 86
p0 444.2 ± 1586
pull
Entries 87
Mean −133.6
Std Dev 148.5

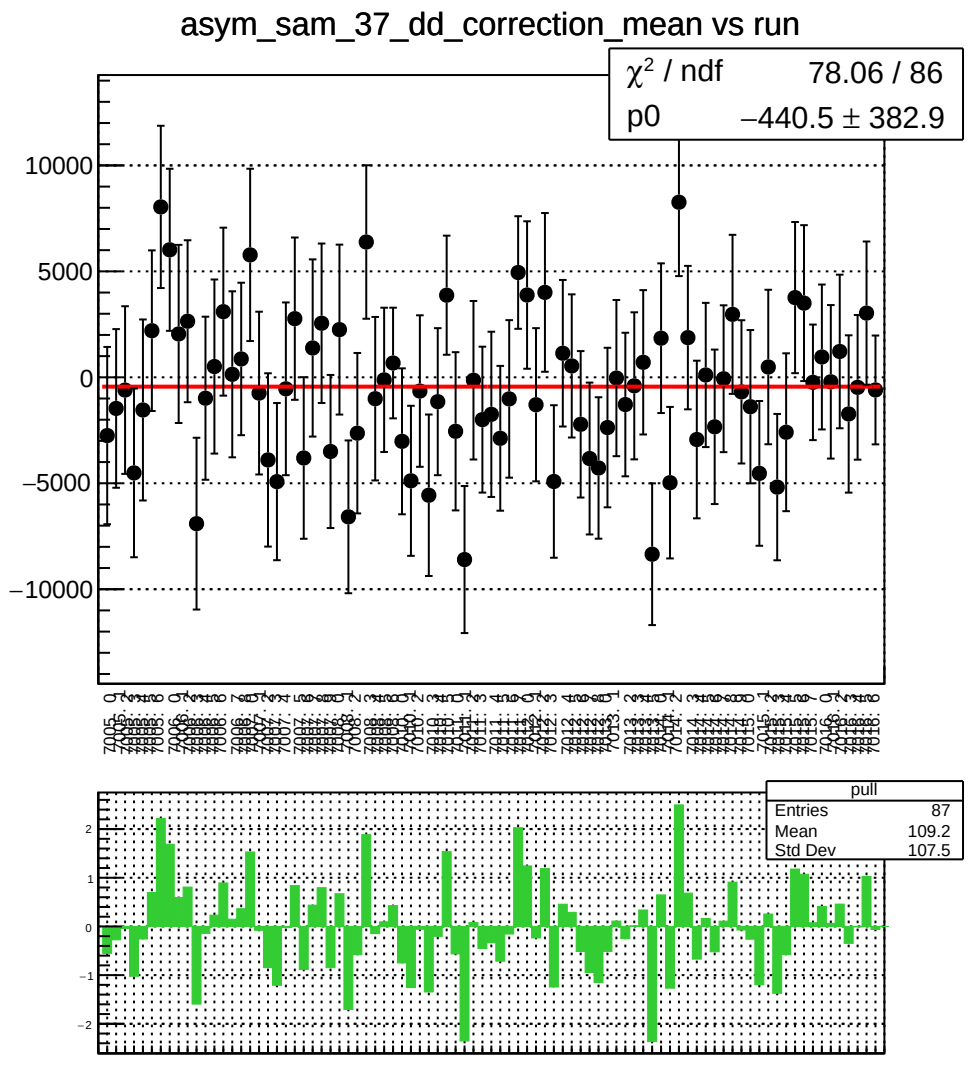

pull1D
Entries 87
Mean −0.01157
Std Dev 0.9452

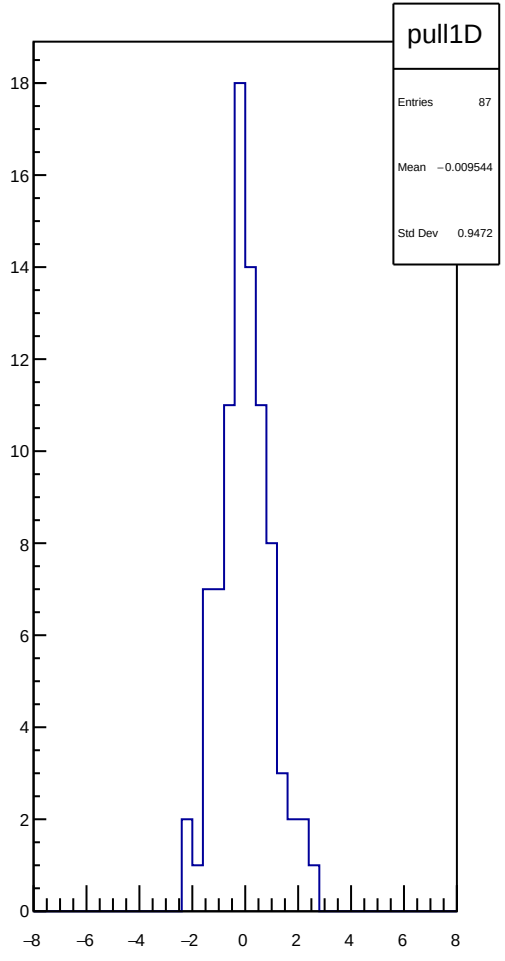

asym_sam_26_dd_rms vs run
χ² / ndf 2792 / 86
p0 1442 ± 1.122
1600
1550
1500
1450
1400
1350
1300

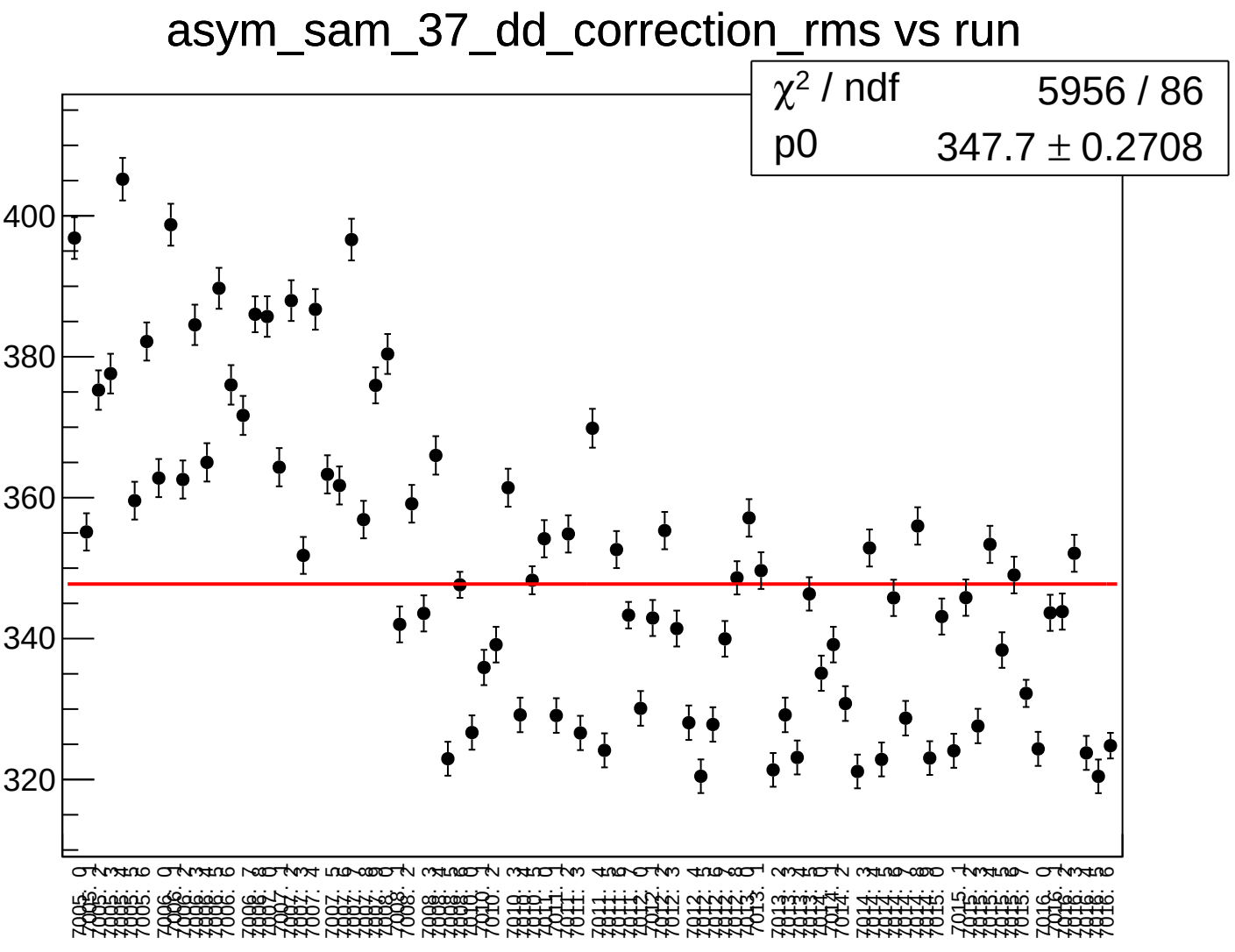

dit_asym_sam_37_dd_mean vs run
χ² / ndf 66.88 / 86
p0 −224.6 ± 64.26
pull
Entries 87
Mean 1345
Std Dev 1329

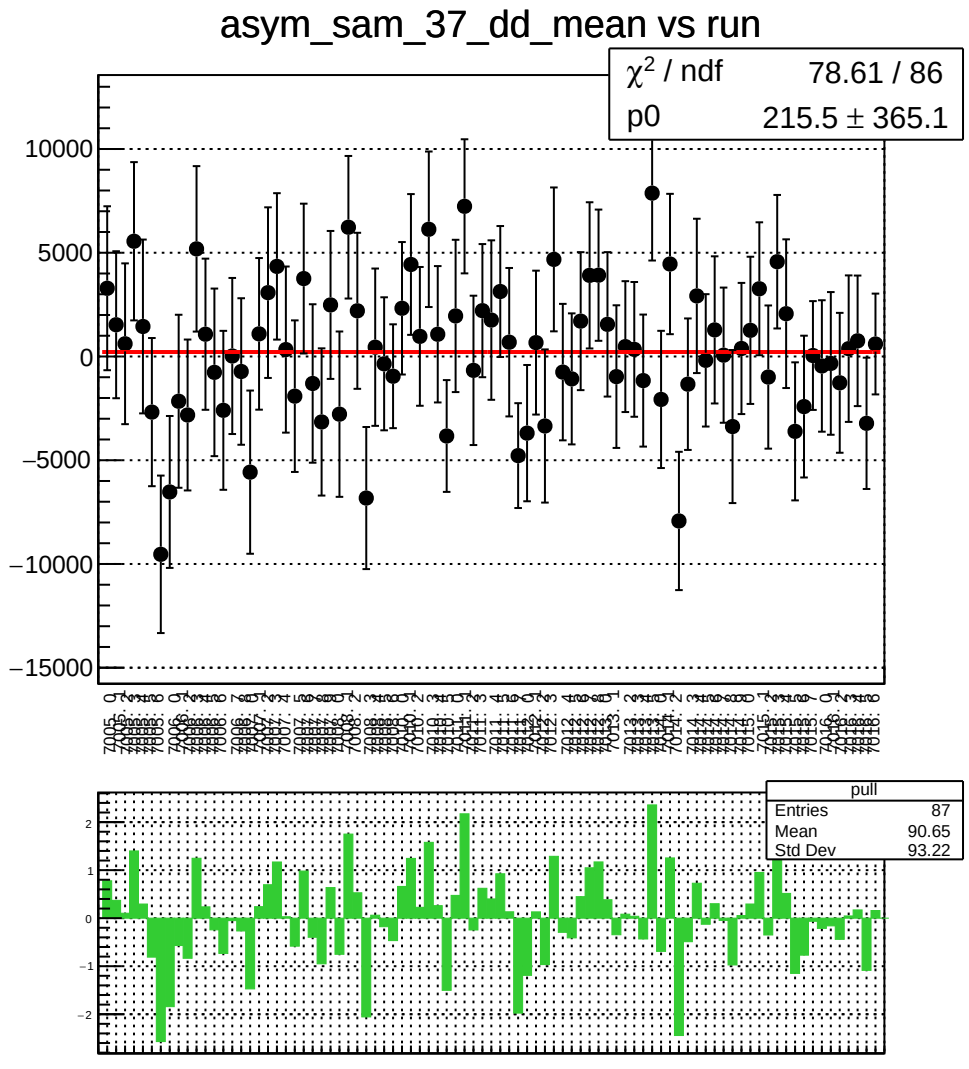

pull1D
Entries 87
Mean −0.0006518
Std Dev 0.8768

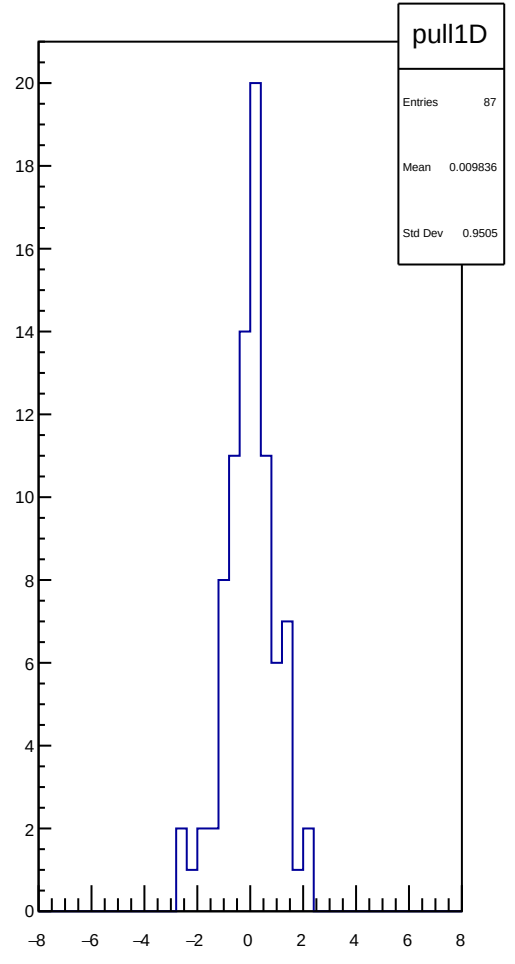

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1956 / 86
p0 58.43 ± 0.04544
70
68
66
64
62
60
58
56
54

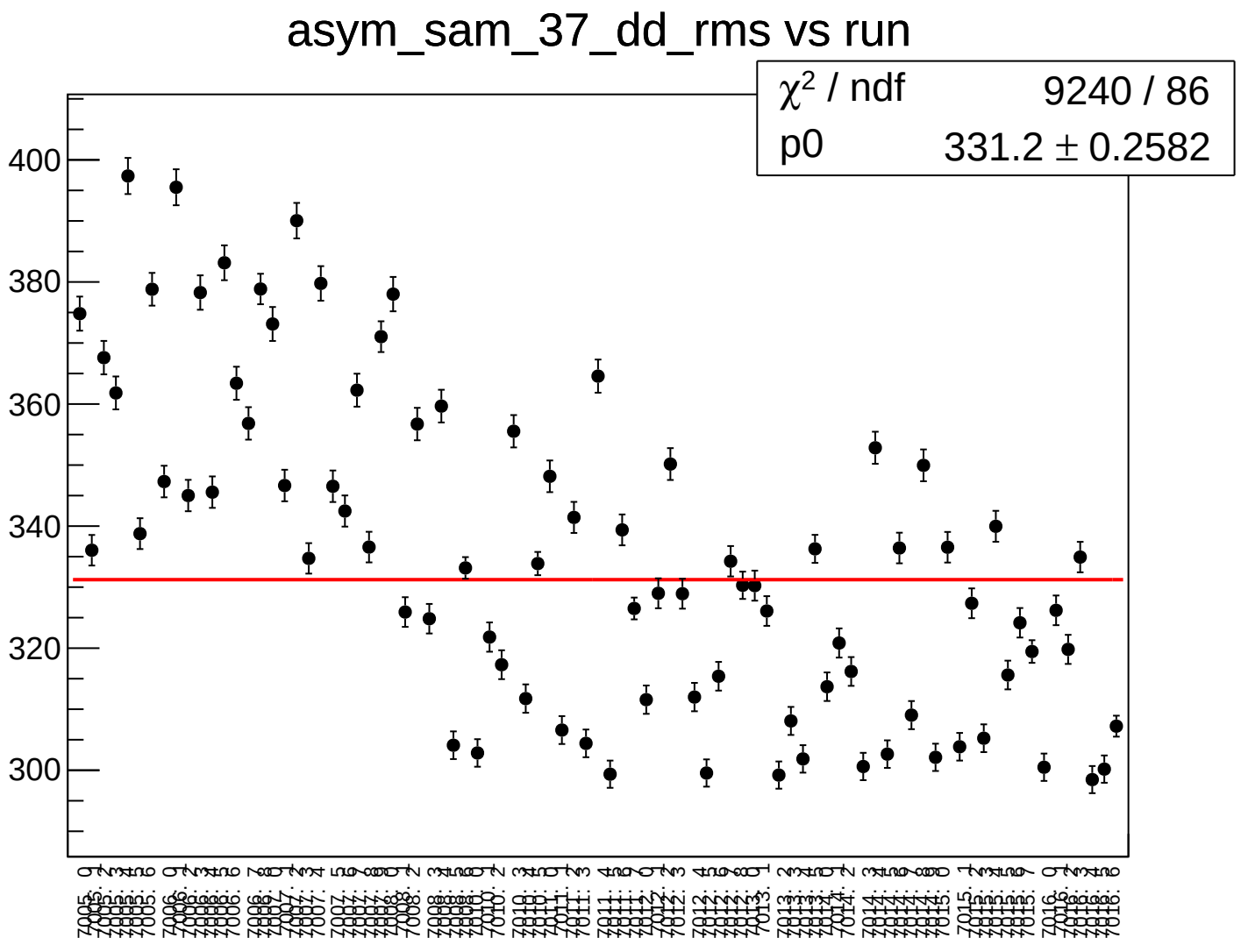

asym_sam_37_dd_correction_mean vs run
χ² / ndf 78.06 / 86
p0 −440.5 ± 382.9
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 109.2
Std Dev 107.5
2
1
0
−1
−2

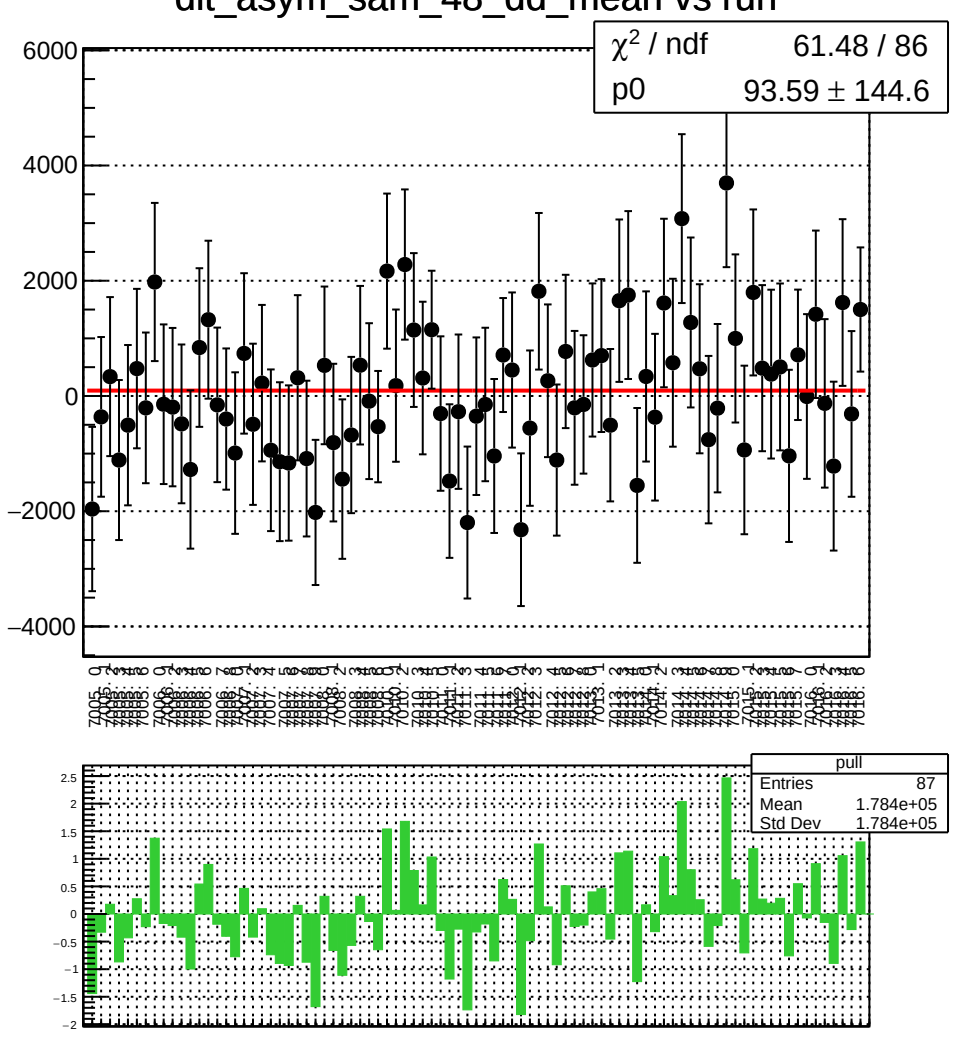

pull1D
Entries 87
Mean −0.009544
Std Dev 0.9472
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

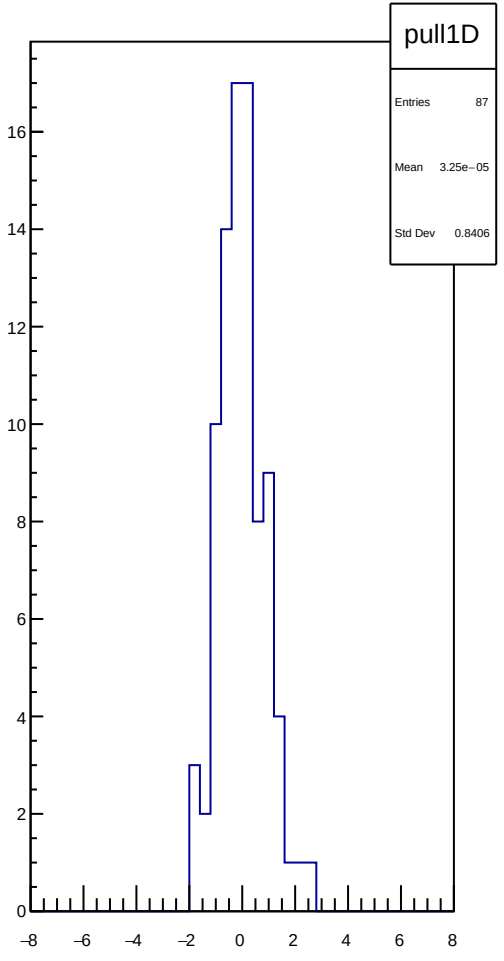

asym_sam_37_dd_correction_rms vs run
χ² / ndf 5956 / 86
p0 347.7 ± 0.2708
400
380
360
340
320

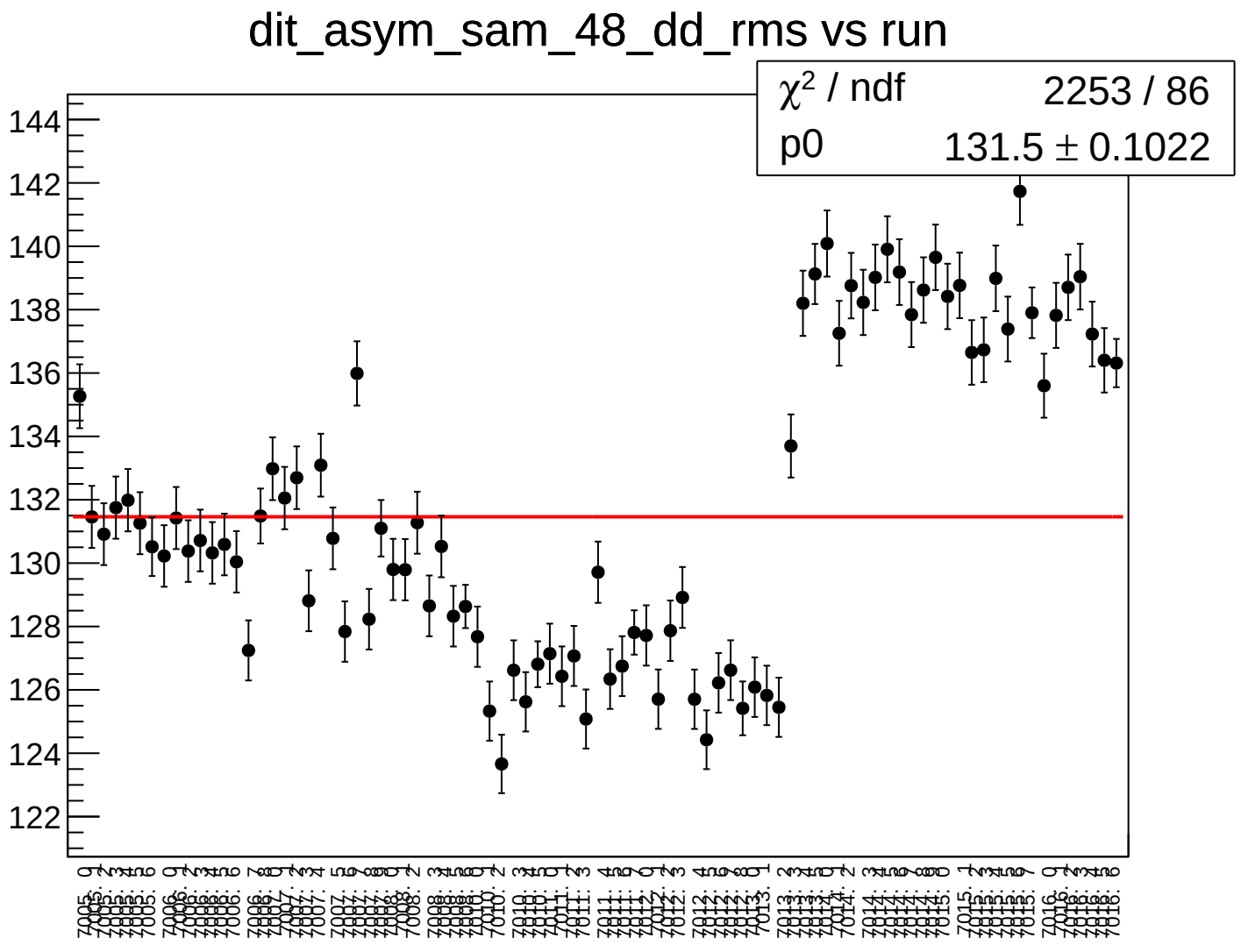

asym_sam_37_dd_mean vs run
χ² / ndf 78.61 / 86
p0 215.5 ± 365.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 90.65
Std Dev 93.22
2
1
0
−1
−2

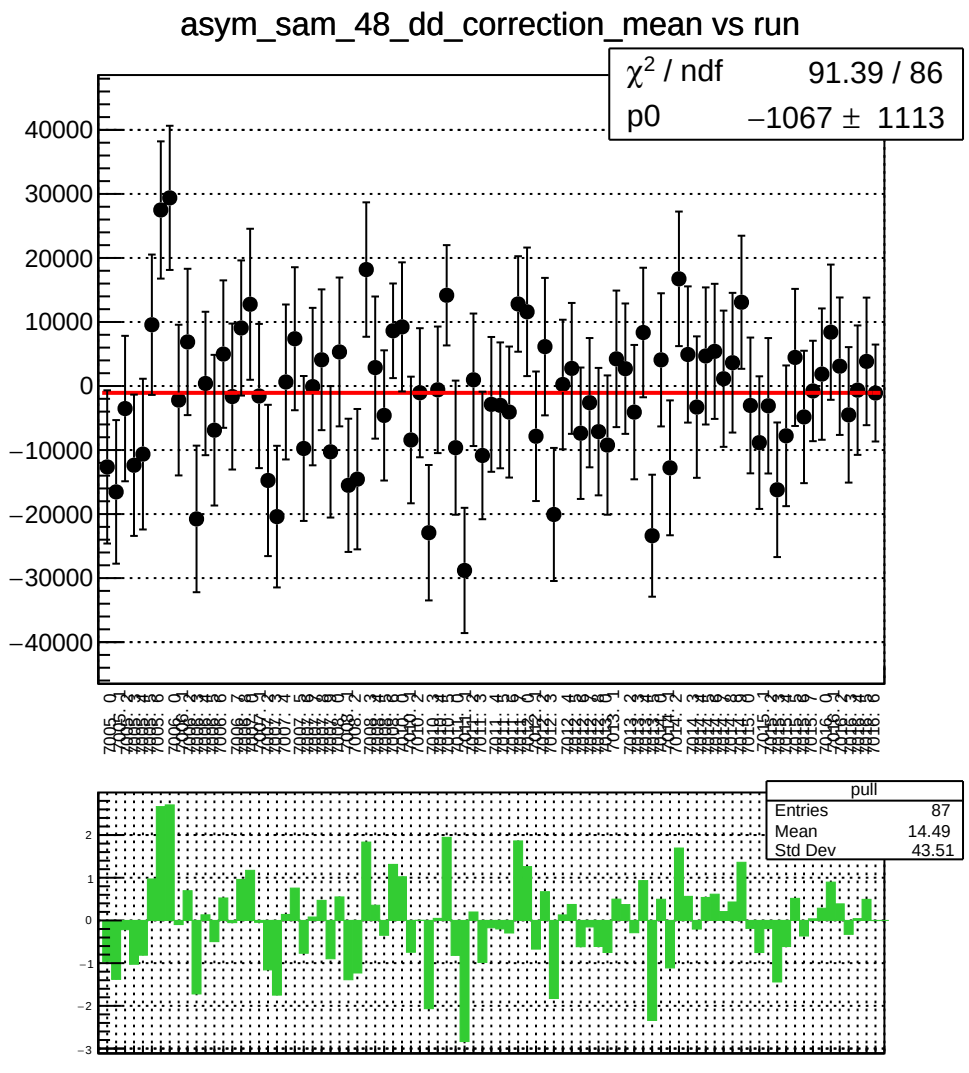

pull1D
Entries 87
Mean 0.009836
Std Dev 0.9505
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

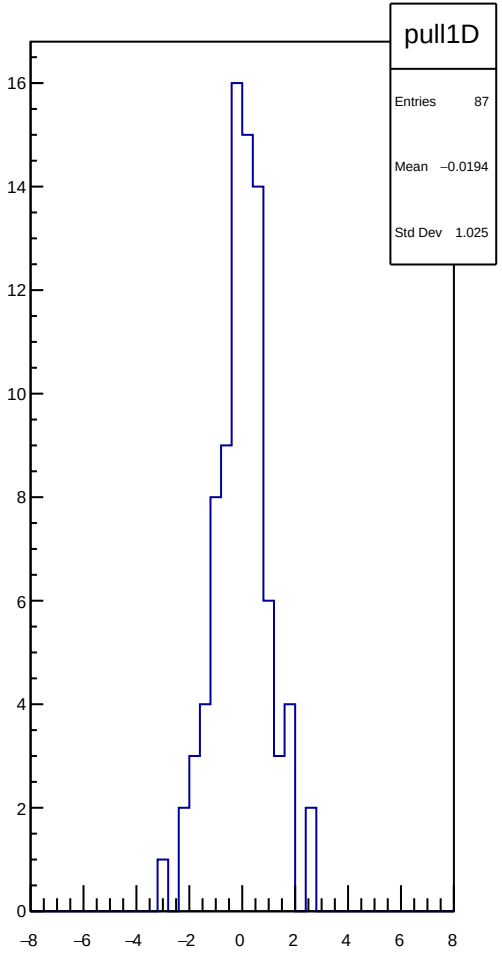

asym_sam_37_dd_rms vs run
χ² / ndf 9240 / 86
p0 331.2 ± 0.2582
400
380
360
340
320
300

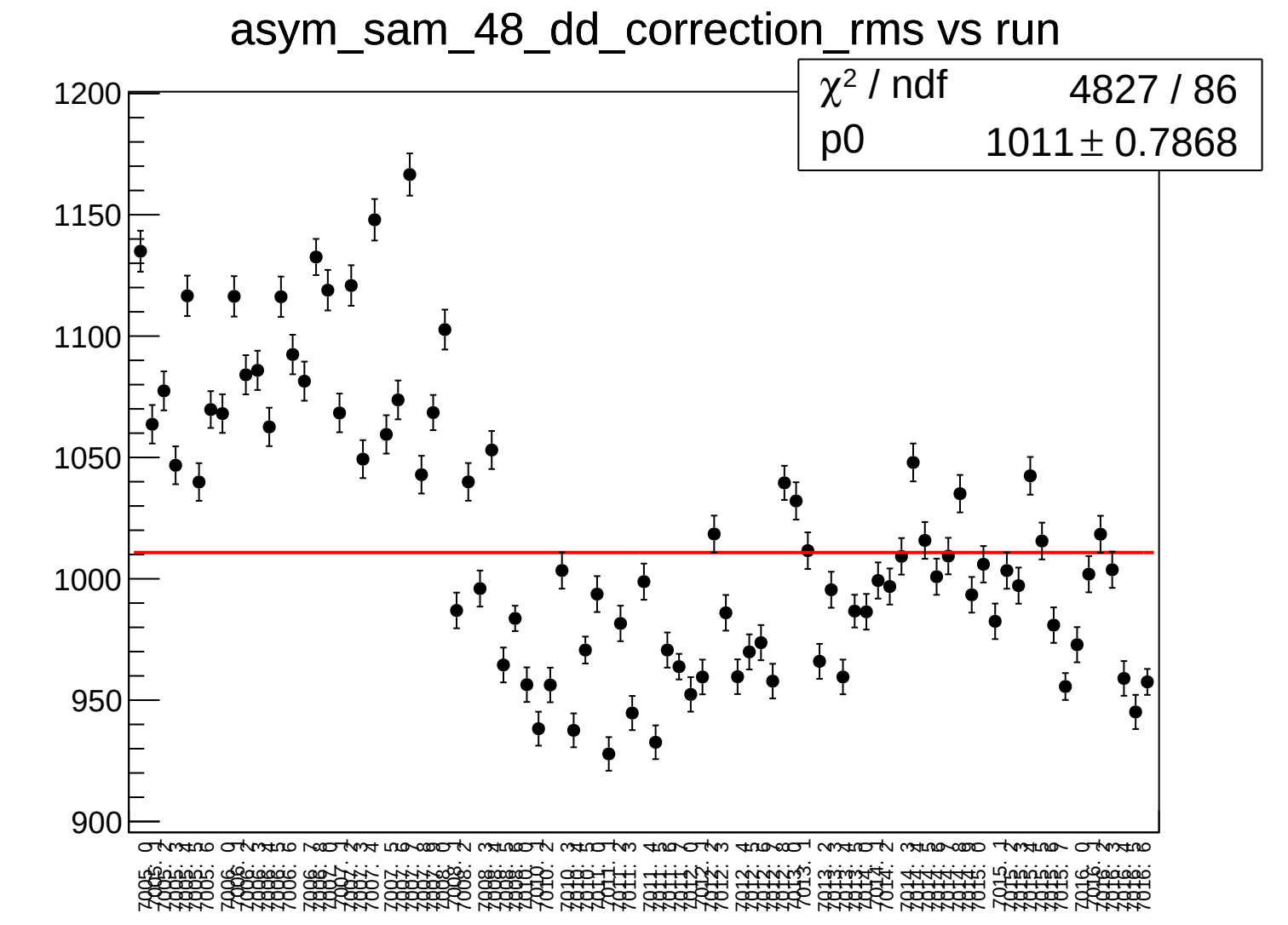

dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 61.48 / 86
p0 93.59 ± 144.6
pull
Entries 87
Mean 1.784e+05
Std Dev 1.784e+05

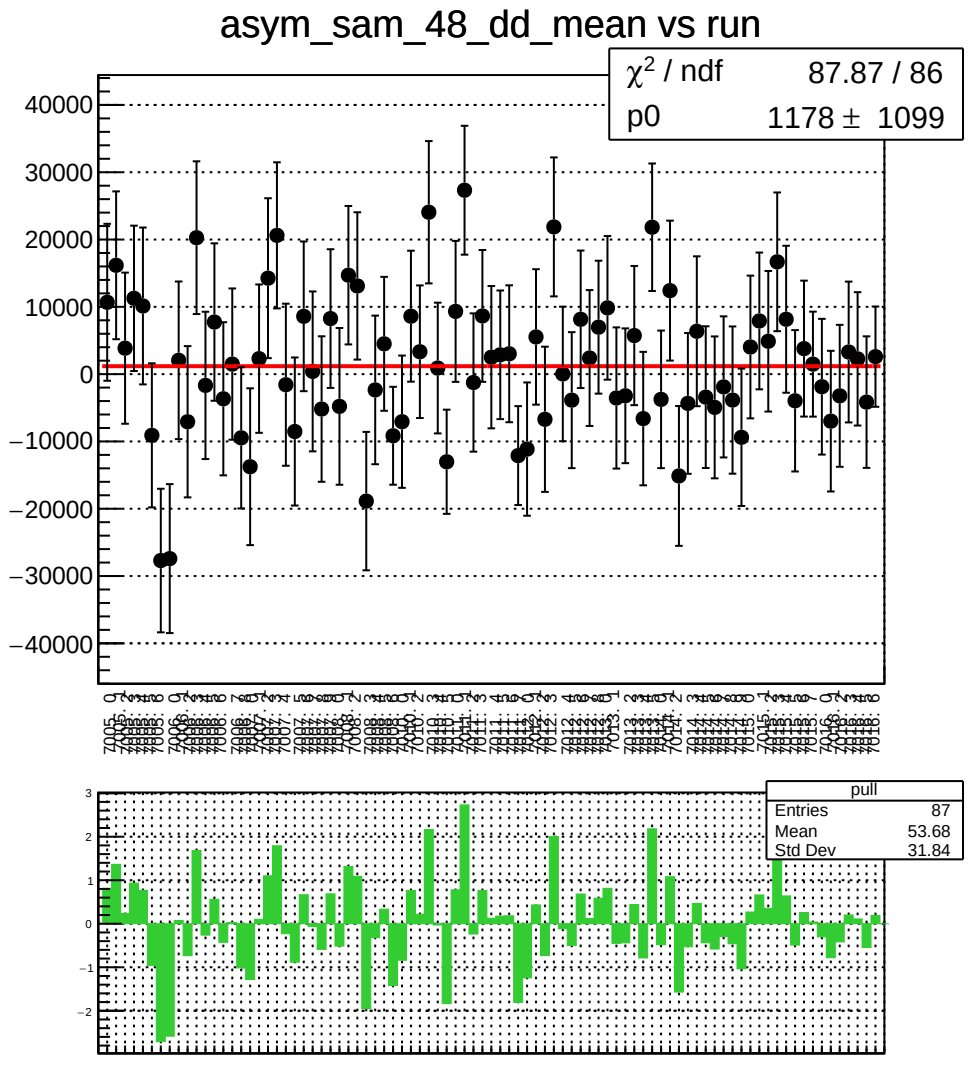

pull1D
Entries 87
Mean 3.25e−05
Std Dev 0.8406

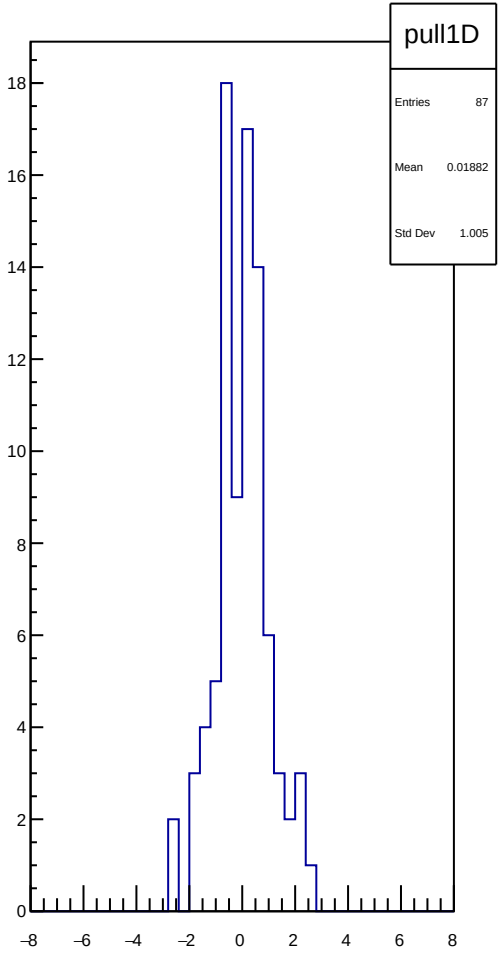

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2253 / 86
p0 131.5 ± 0.1022
144
142
140
138
136
134
132
130
128
126
124
122

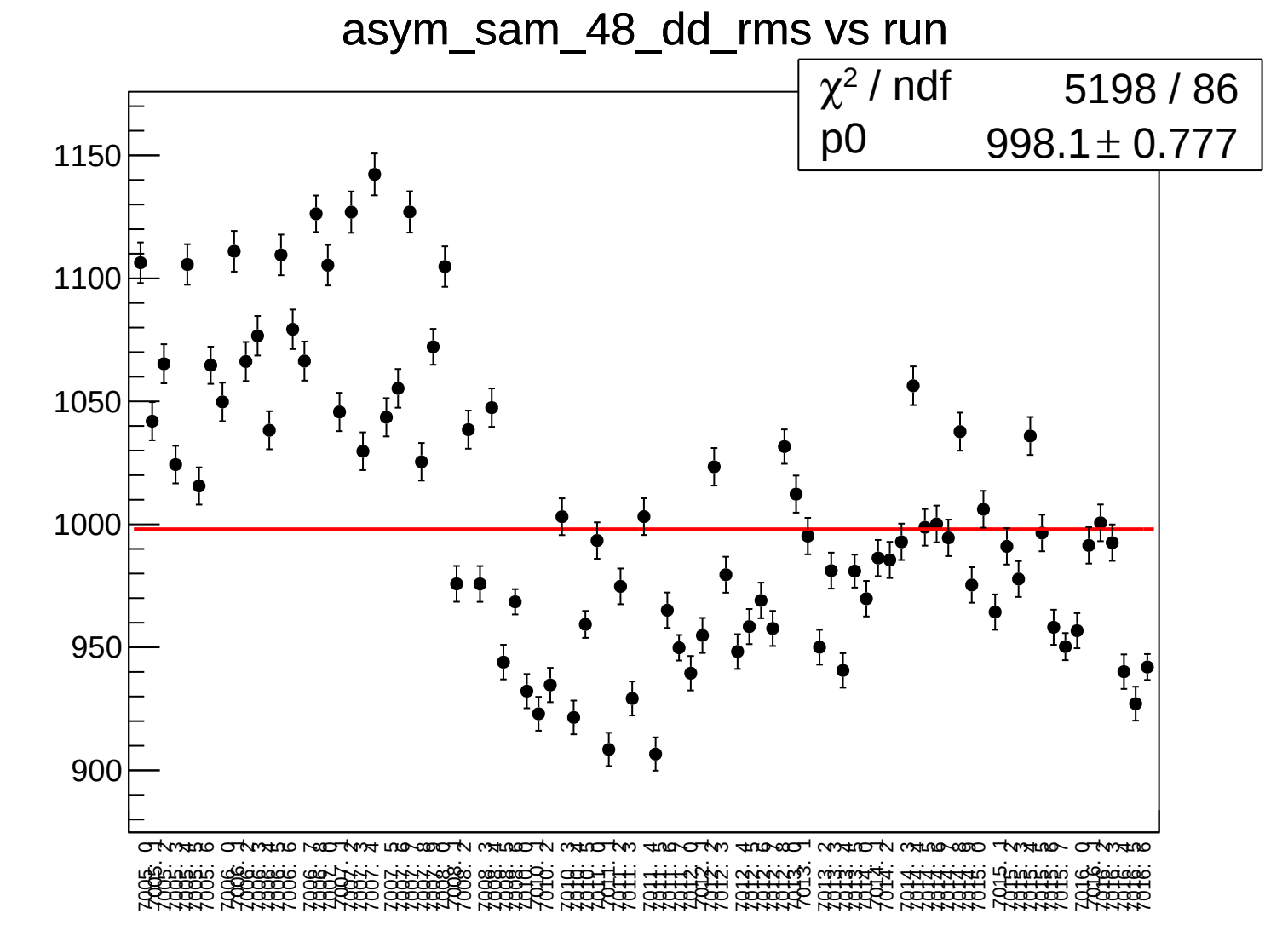

asym_sam_48_dd_correction_mean vs run
χ² / ndf 91.39 / 86
p0 −1067 ± 1113
pull
Entries 87
Mean 14.49
Std Dev 43.51

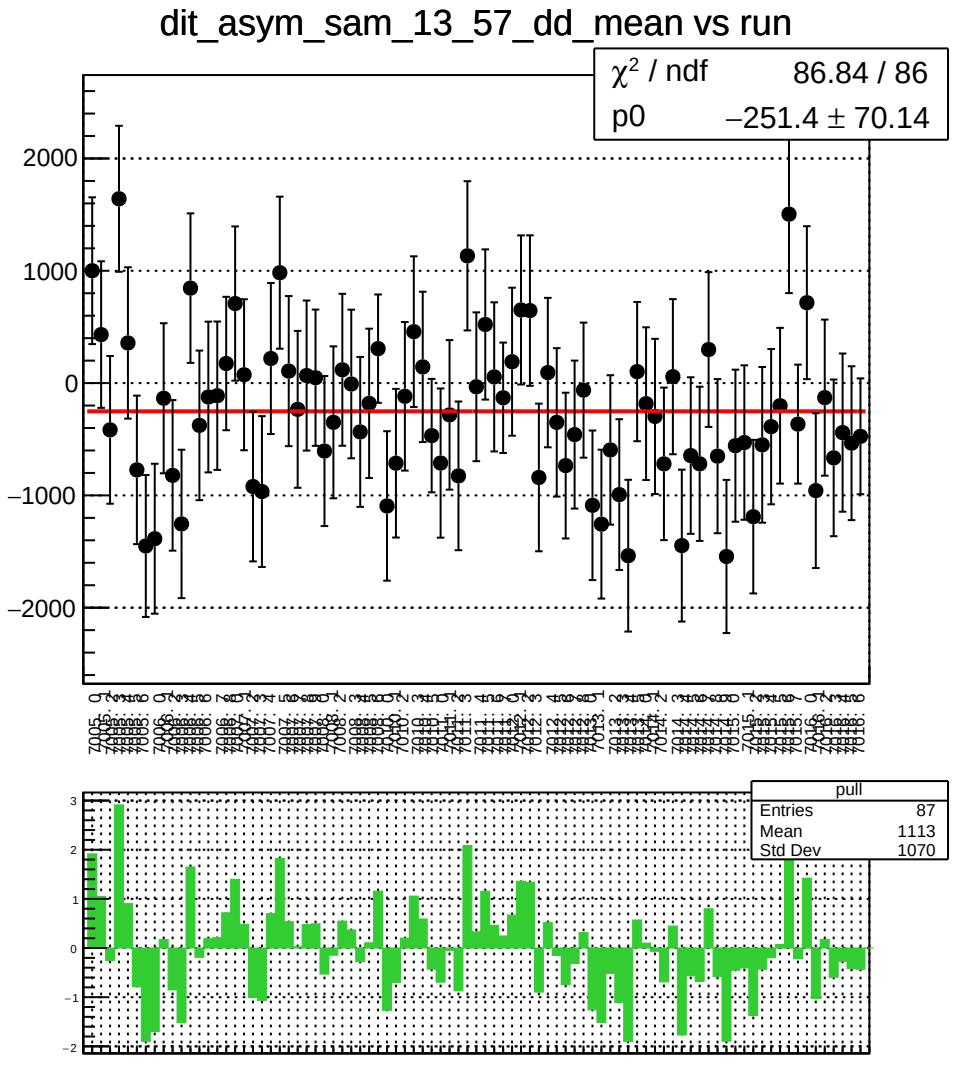

pull1D
Entries 87
Mean −0.0194
Std Dev 1.025

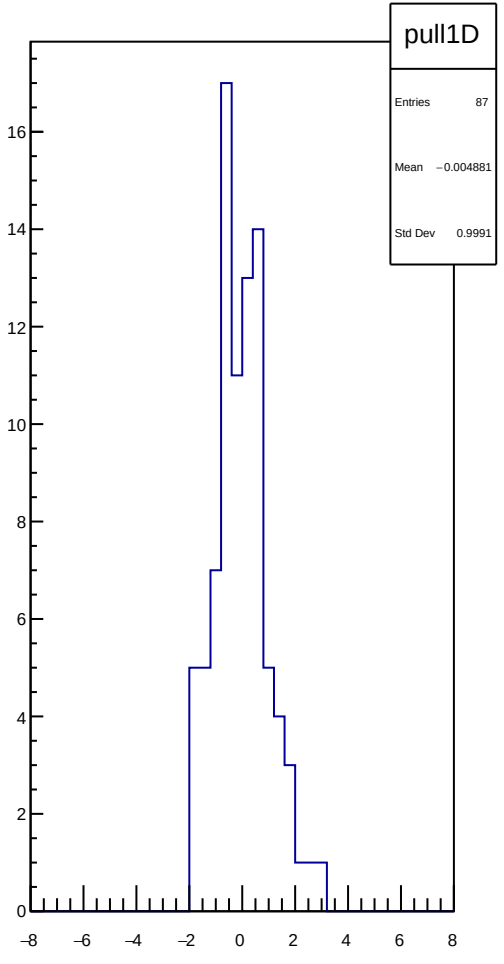

asym_sam_48_dd_correction_rms vs run
χ² / ndf 4827 / 86
p0 1011 ± 0.7868
1200
1150
1100
1050
1000
950
900

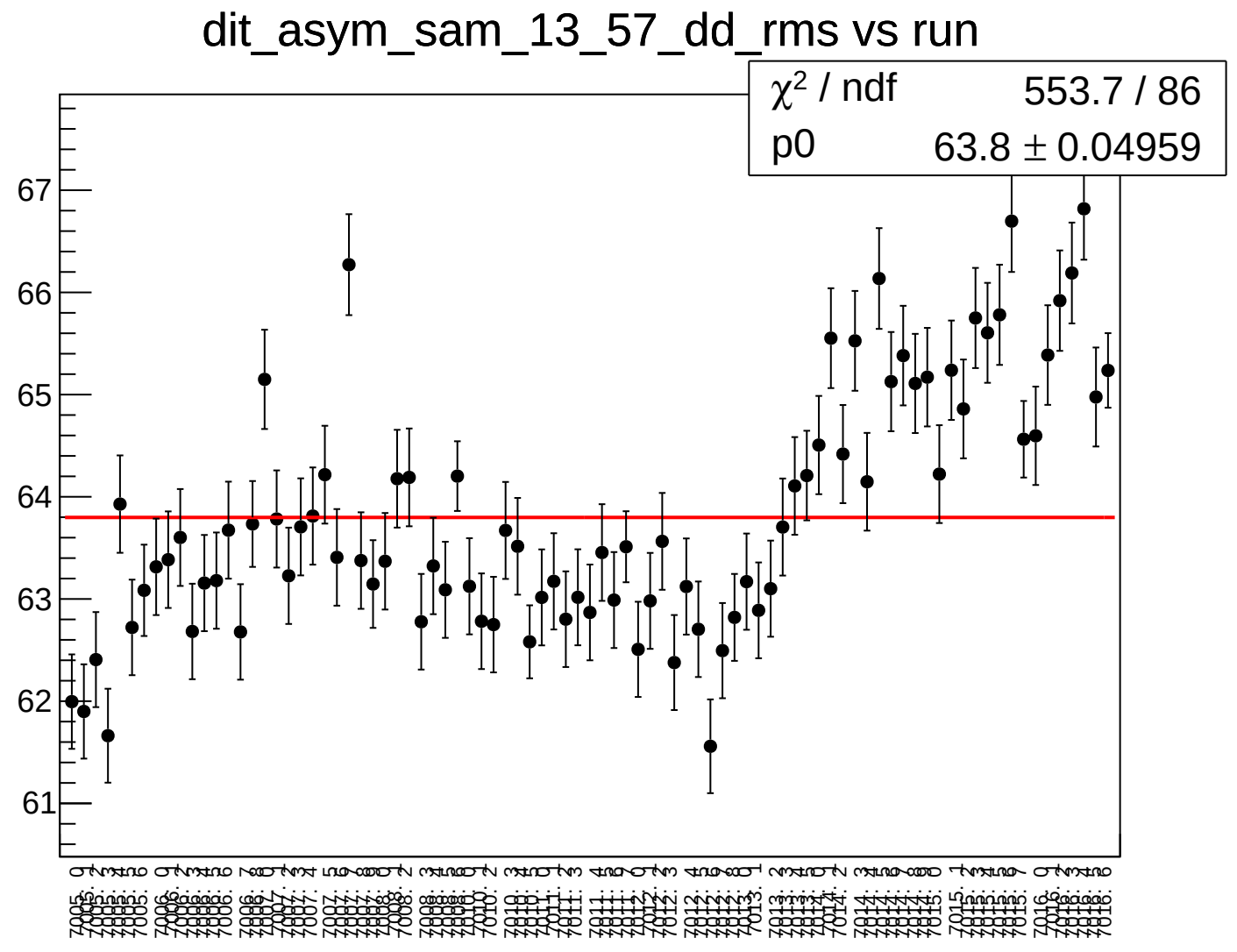

asym_sam_48_dd_mean vs run
χ^2 / ndf 87.87 / 86
p0 1178 ± 1099
pull
Entries 87
Mean 53.68
Std Dev 31.84

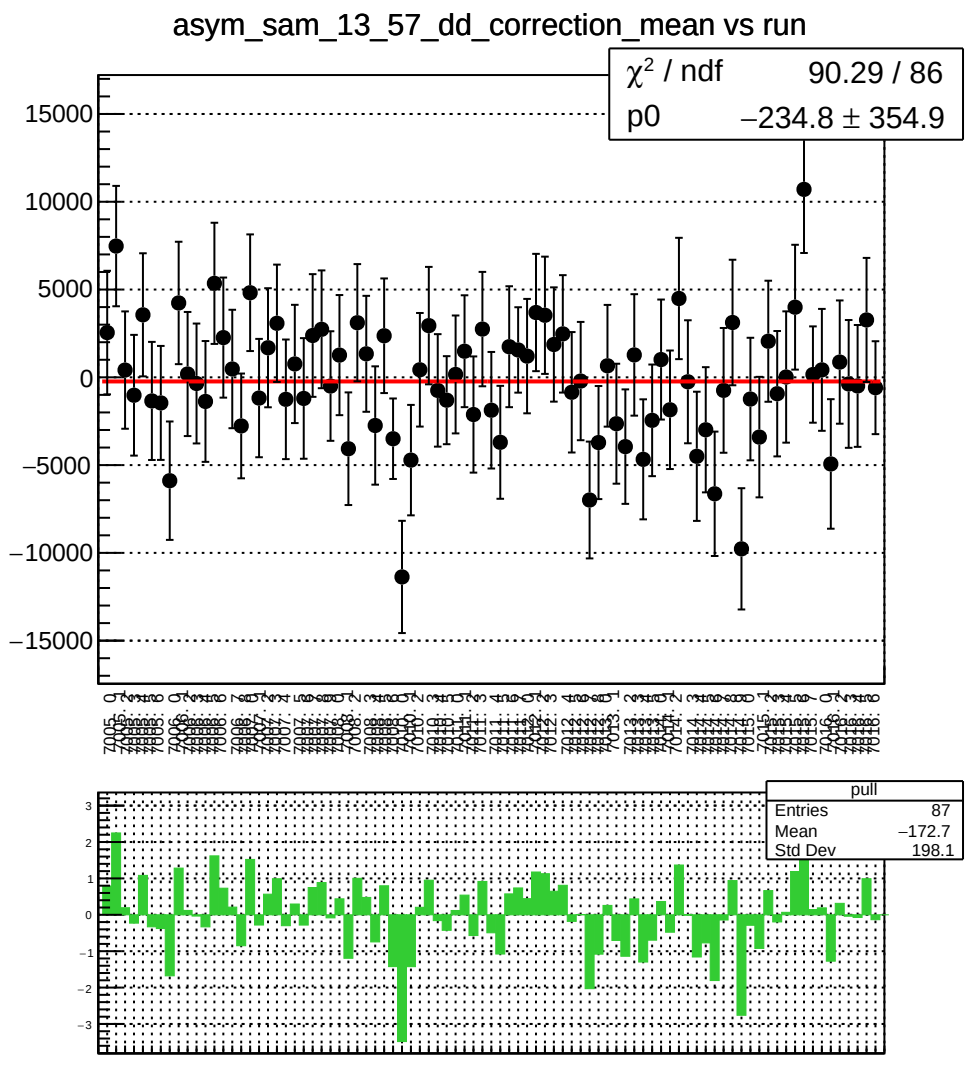

pull1D
Entries 87
Mean 0.01882
Std Dev 1.005

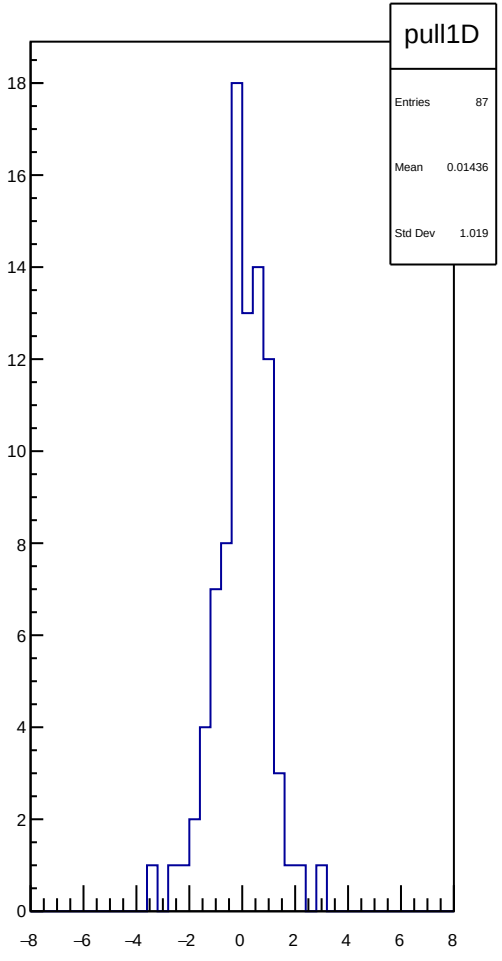

asym_sam_48_dd_rms vs run
χ² / ndf 5198 / 86
p0 998.1 ± 0.777
1150
1100
1050
1000
950
900

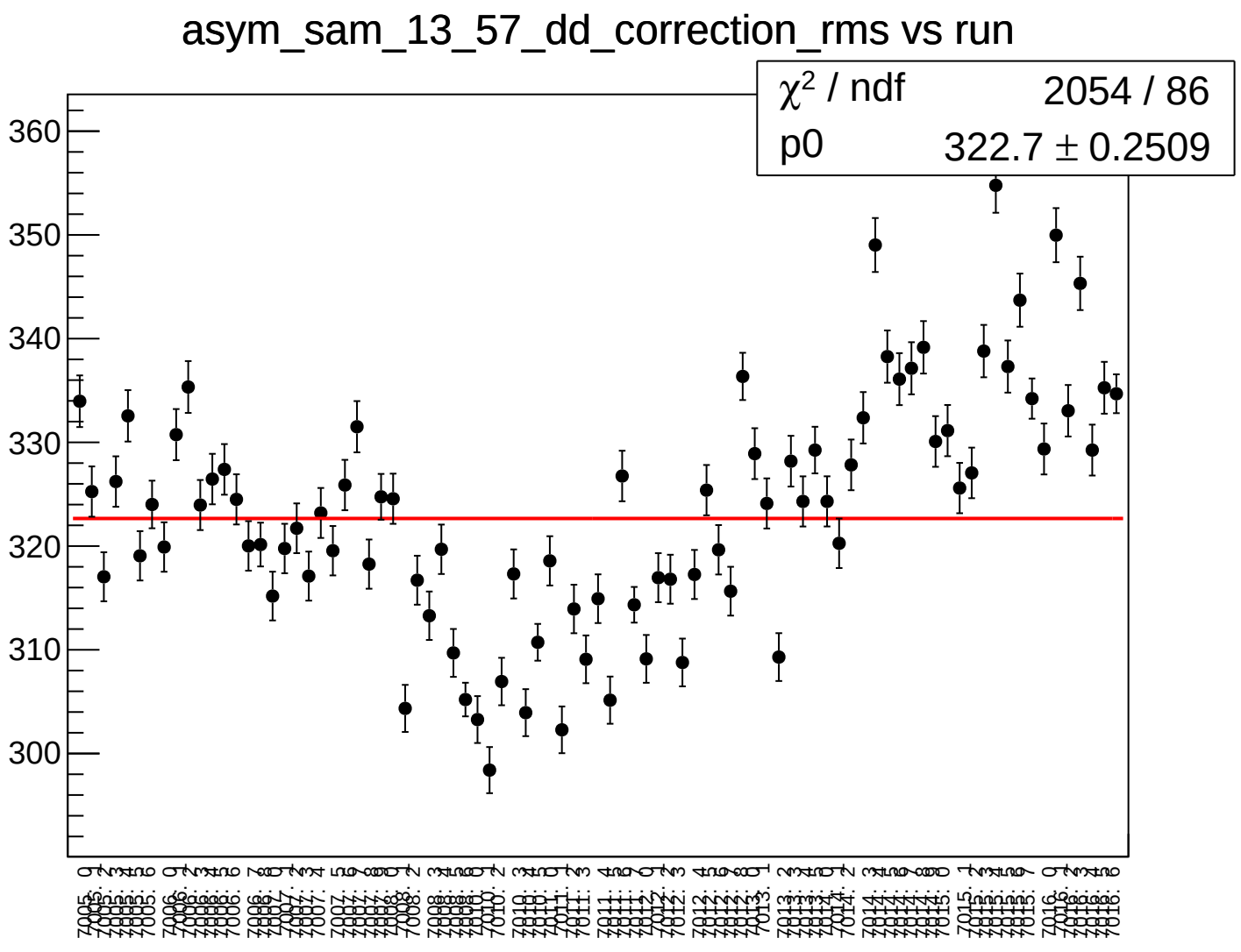

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 86.84 / 86
p0 −251.4 ± 70.14
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 1113
Std Dev 1070
3
2
1
0
−1
−2

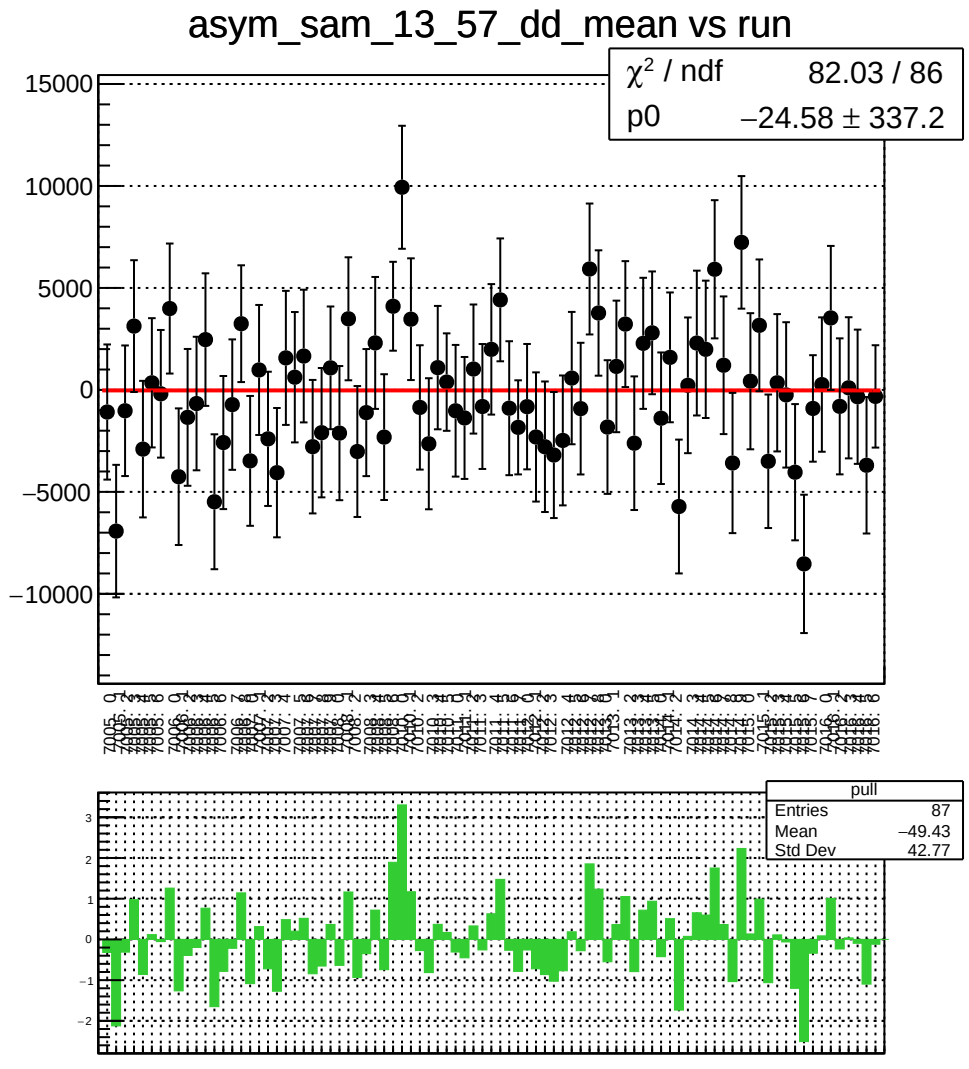

pull1D
Entries 87
Mean −0.004881
Std Dev 0.9991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

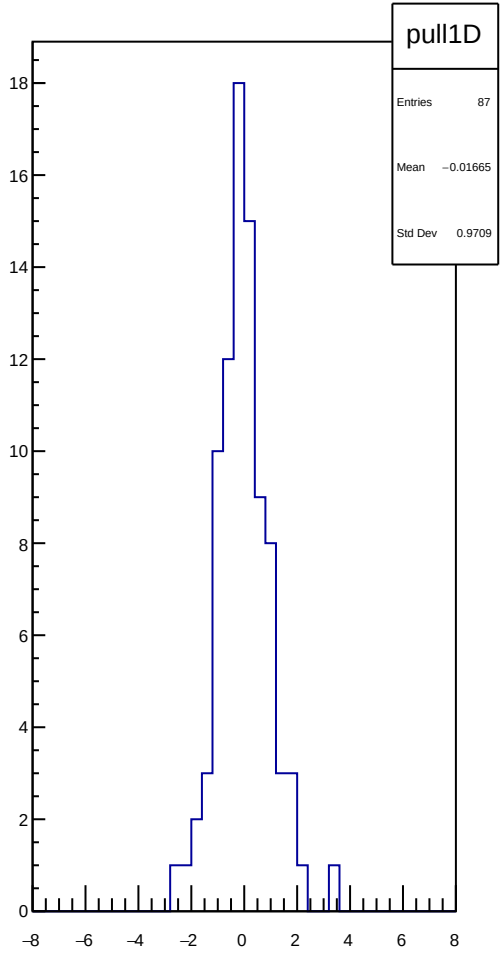

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 553.7 / 86
p0 63.8 ± 0.04959
67
66
65
64
63
62
61

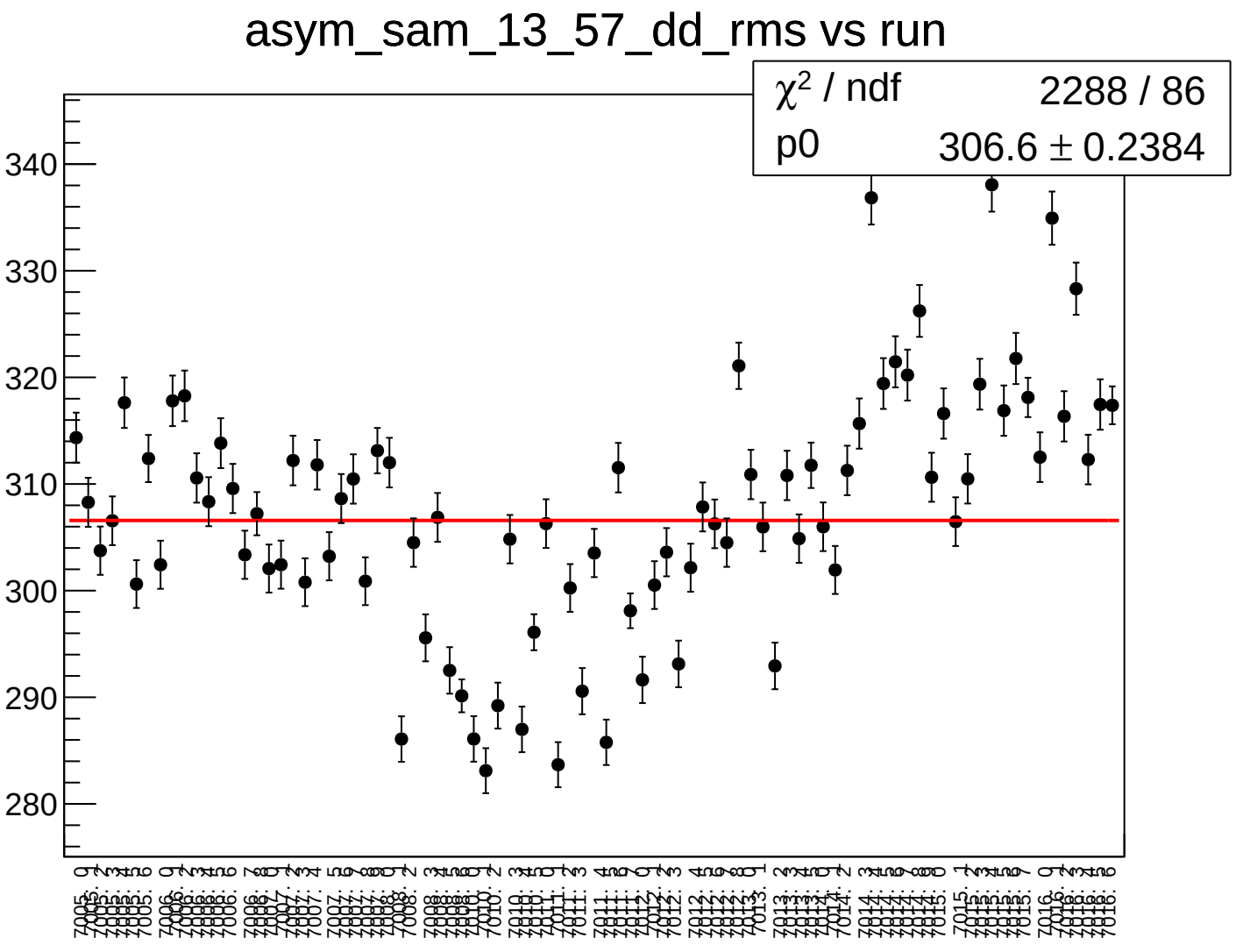

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 90.29 / 86
p0 −234.8 ± 354.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −172.7
Std Dev 198.1
3
2
1
0
−1
−2
−3

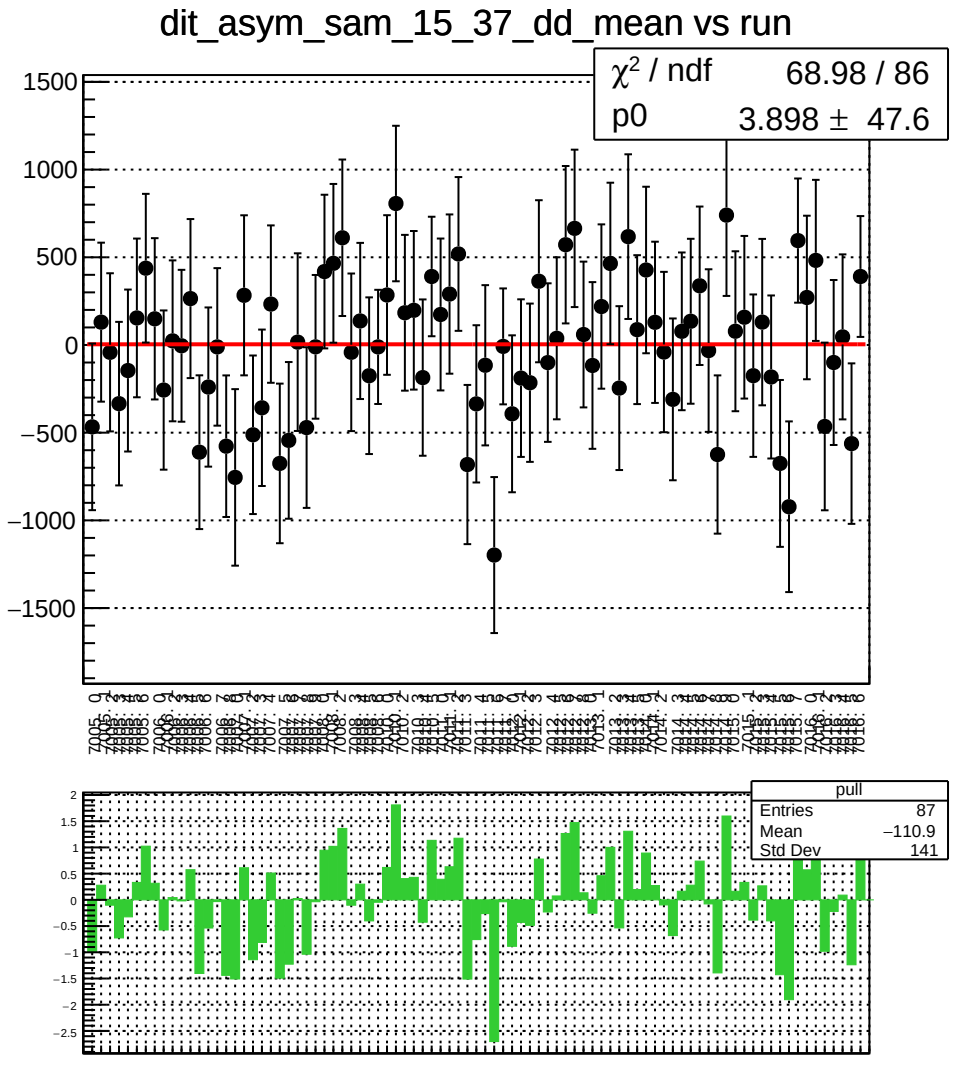

pull1D
Entries 87
Mean 0.01436
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

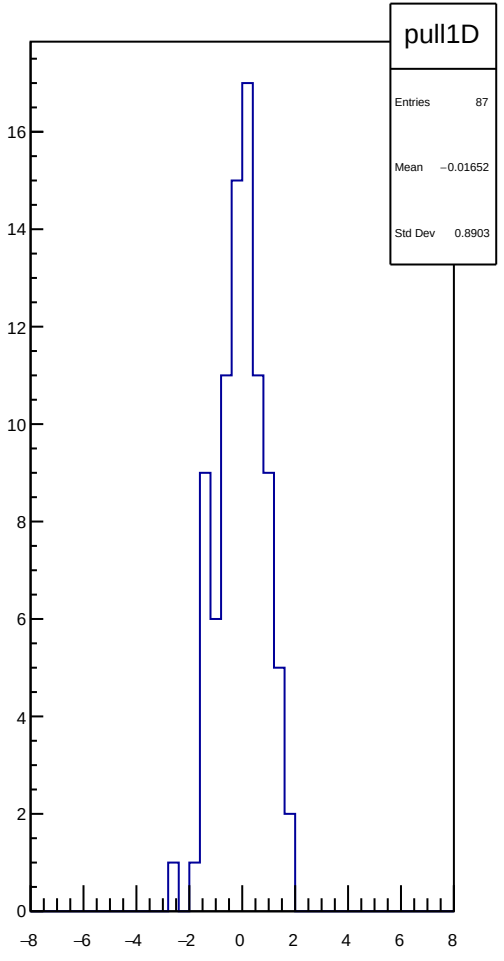

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2054 / 86
p0 322.7 ± 0.2509
360
350
340
330
320
310
300

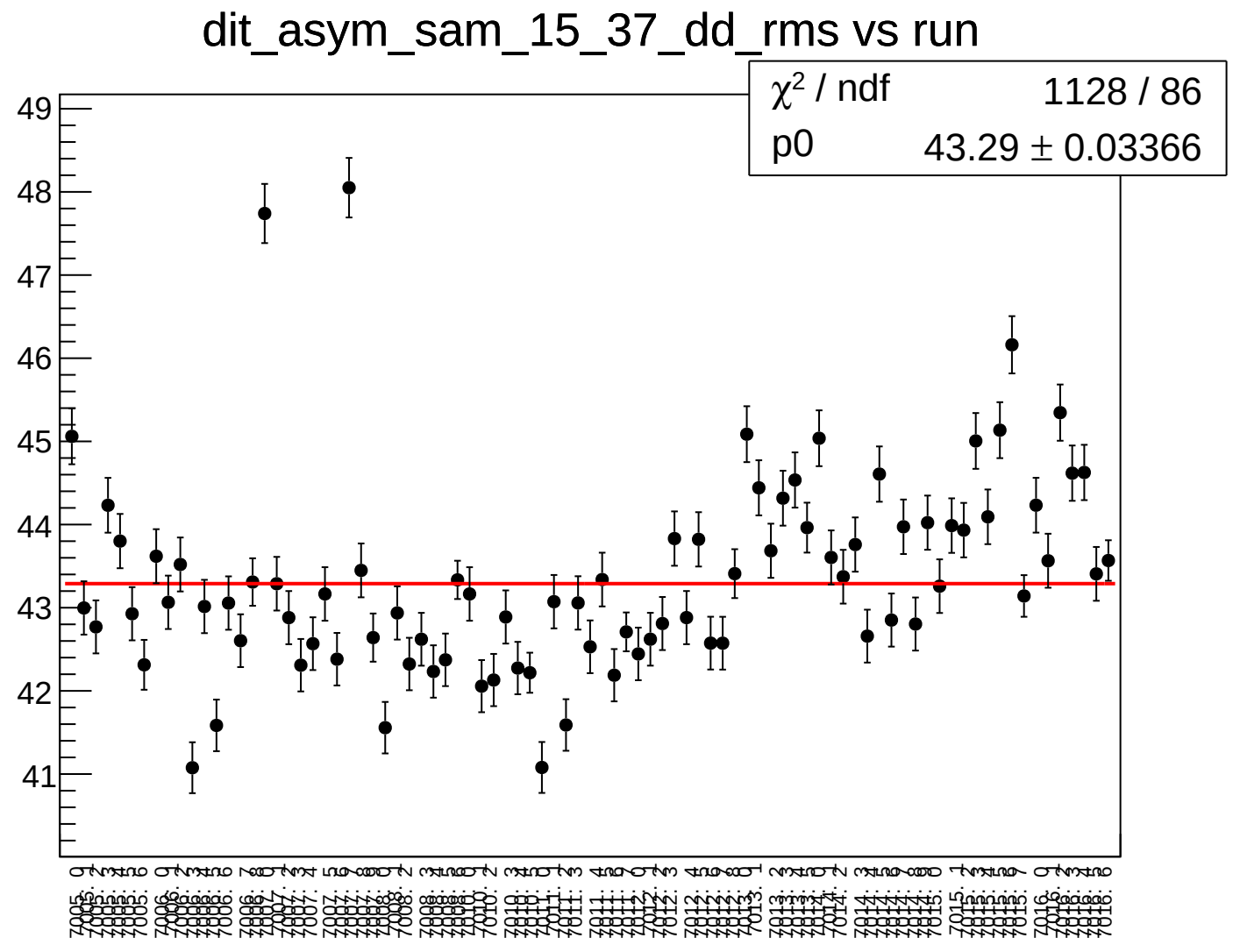

asym_sam_13_57_dd_mean vs run
χ² / ndf 82.03 / 86
p0 −24.58 ± 337.2
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −49.43
Std Dev 42.77
3
2
1
0
−1
−2

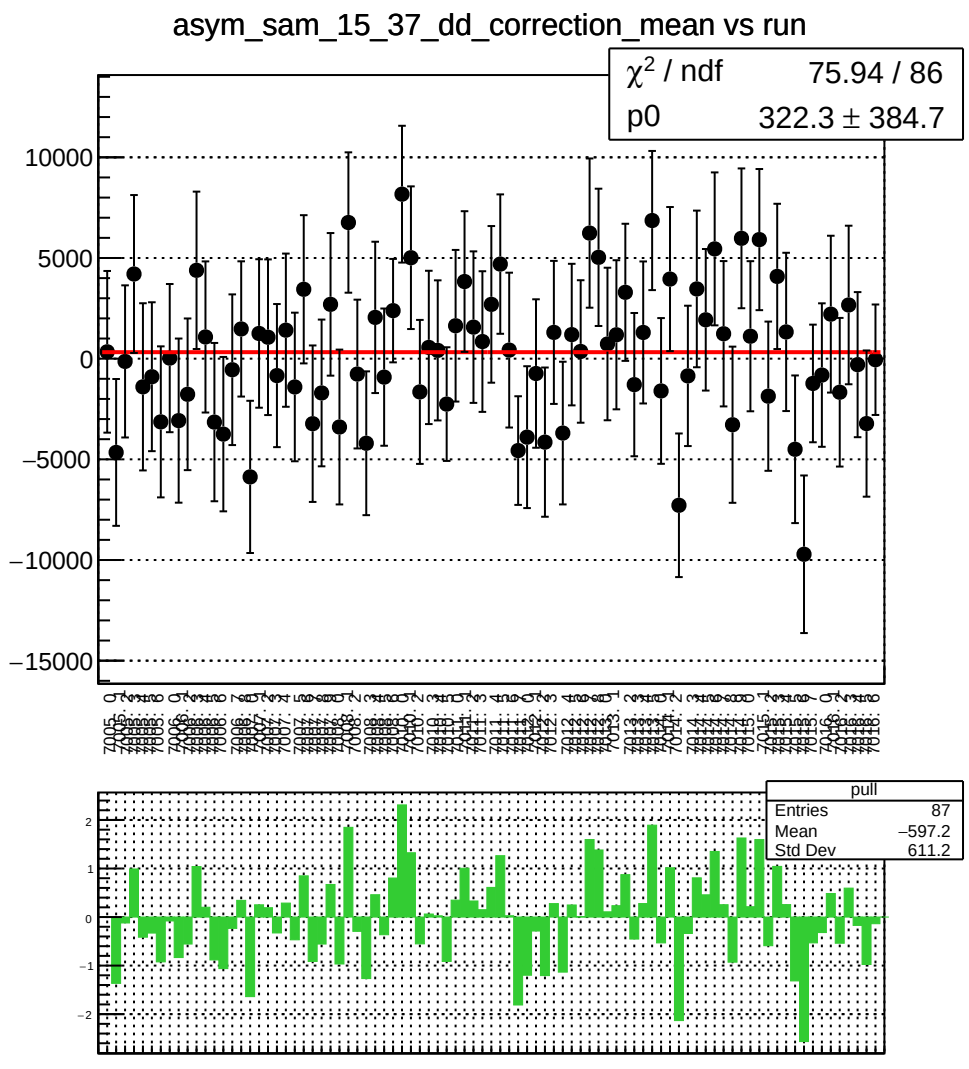

pull1D
Entries 87
Mean −0.01665
Std Dev 0.9709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

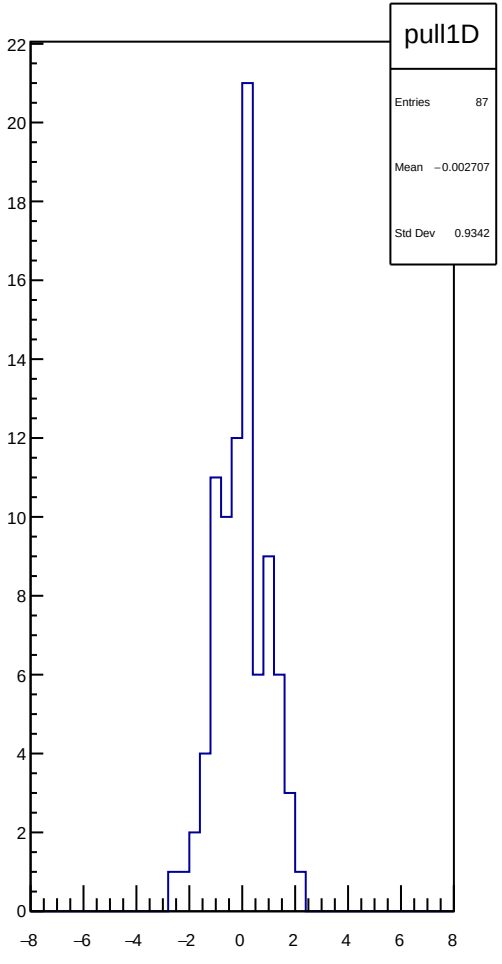

asym_sam_13_57_dd_rms vs run
χ² / ndf 2288 / 86
p0 306.6 ± 0.2384
340
330
320
310
300
290
280

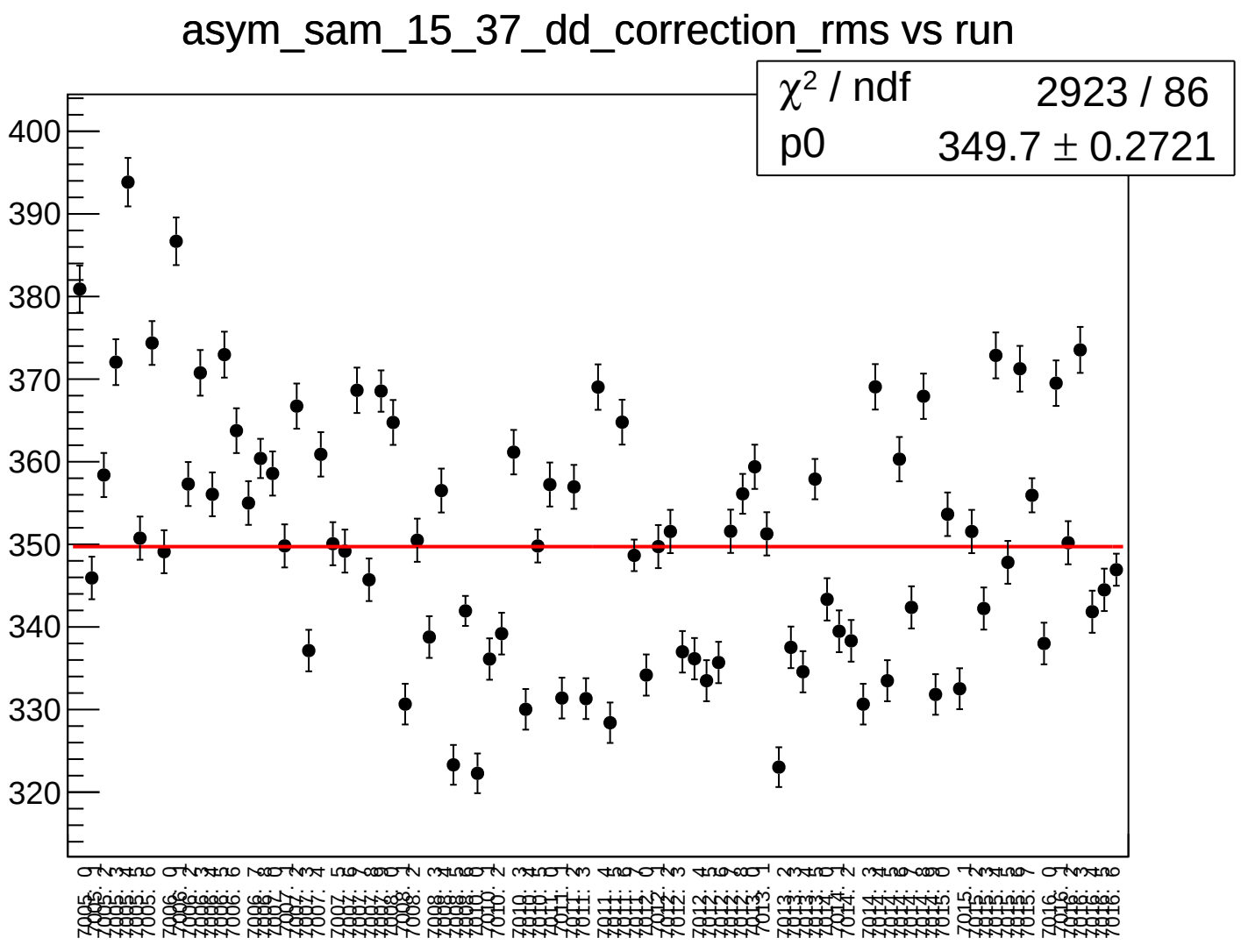

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 68.98 / 86
p0 3.898 ± 47.6
pull
Entries 87
Mean −110.9
Std Dev 141

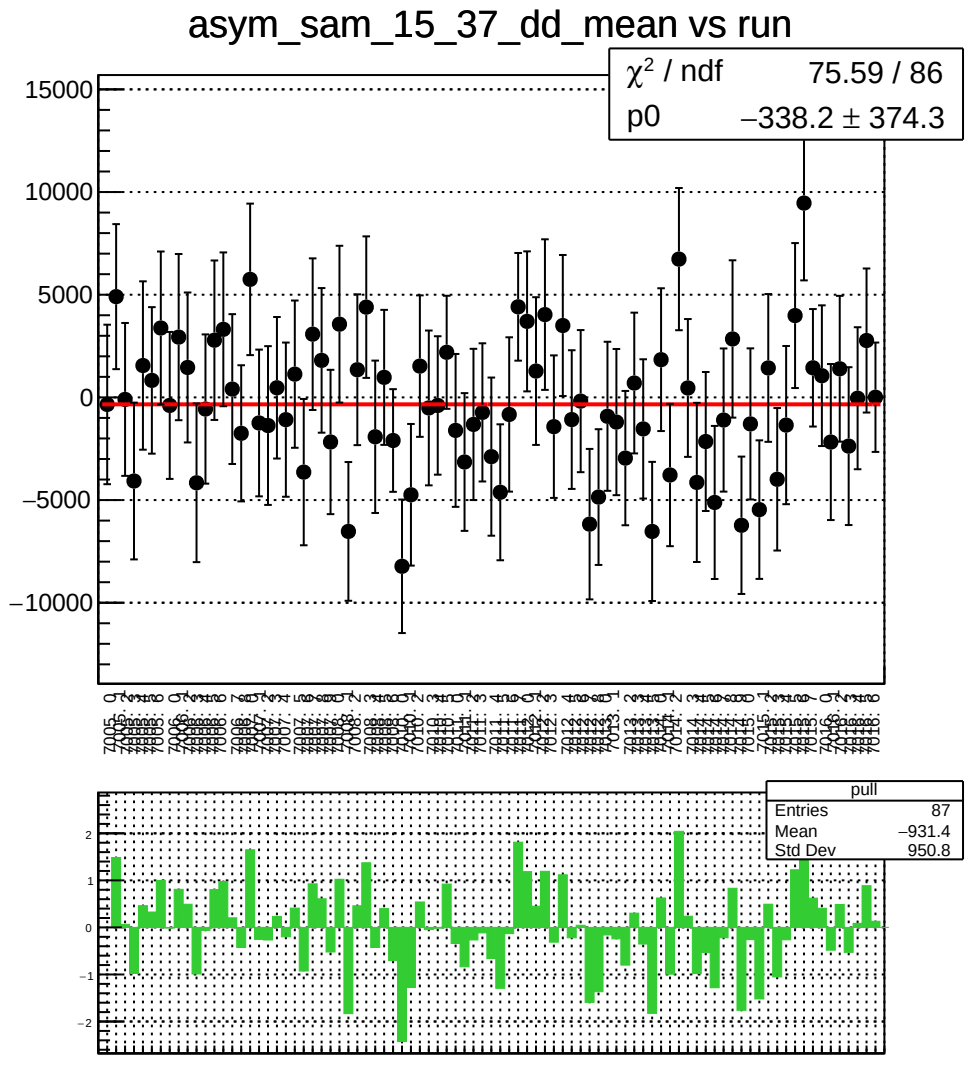

pull1D
Entries 87
Mean −0.01652
Std Dev 0.8903

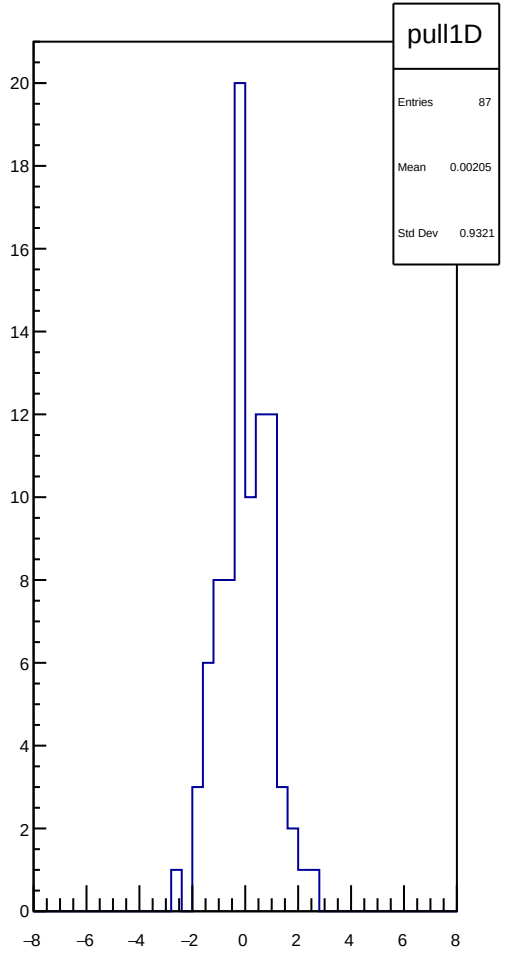

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1128 / 86
p0 43.29 ± 0.03366
49
48
47
46
45
44
43
42
41

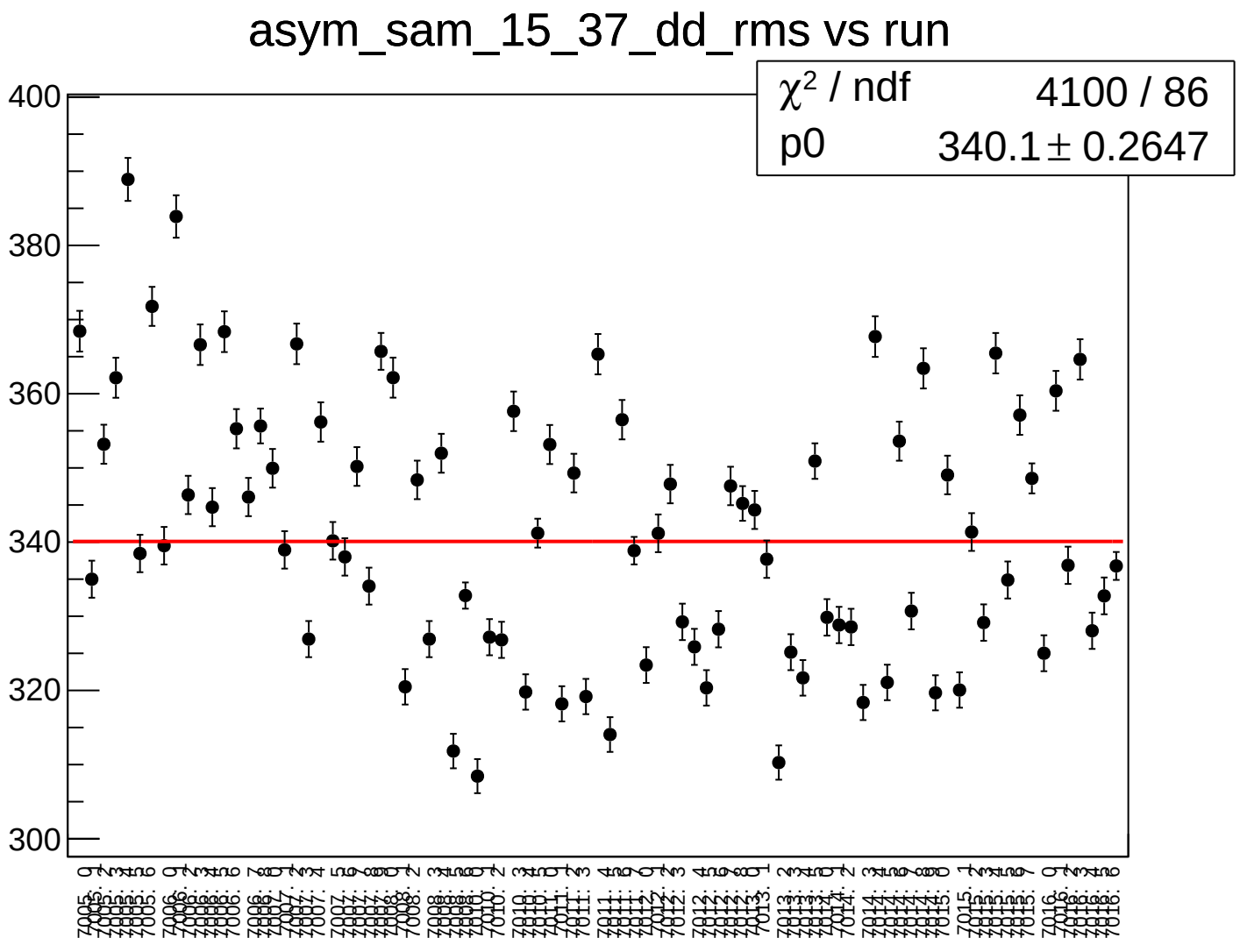

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 75.94 / 86
p0 322.3 ± 384.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −597.2
Std Dev 611.2
2
1
0
−1
−2

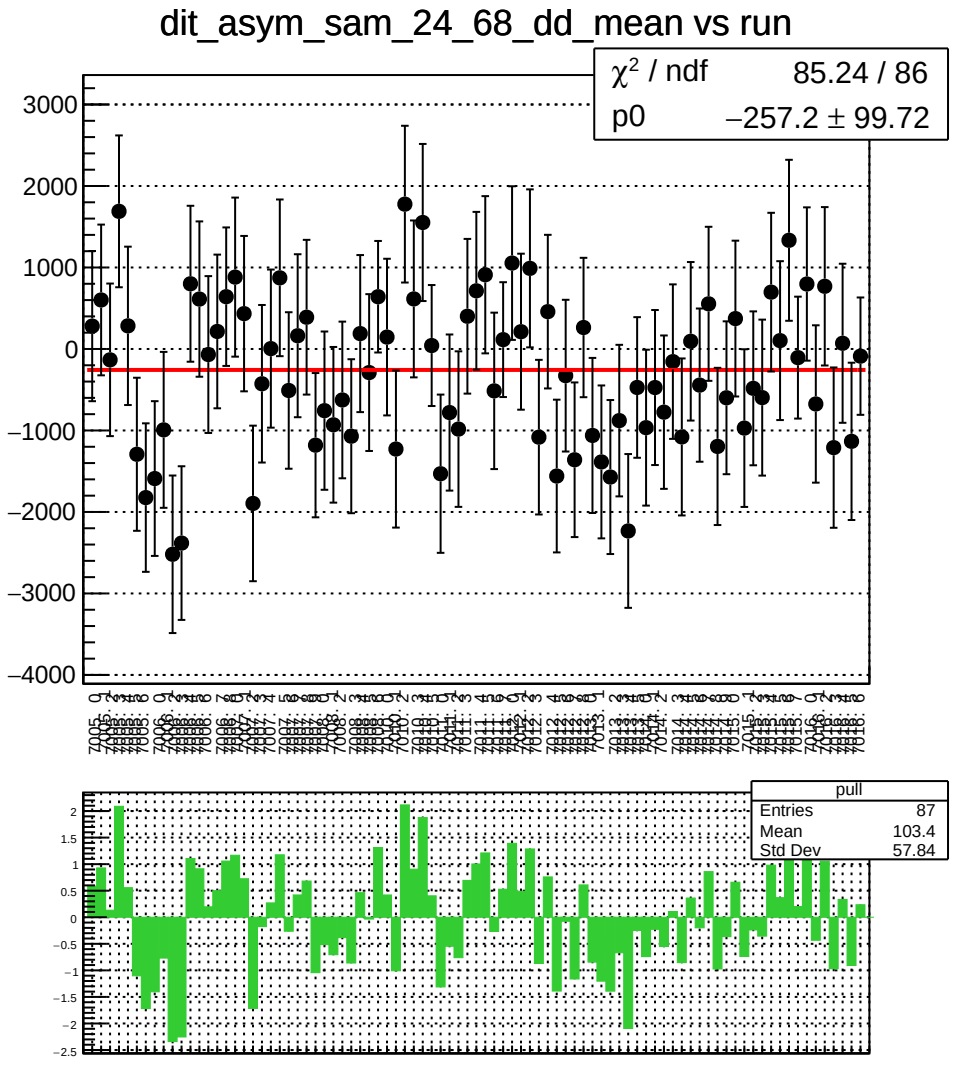

pull1D
Entries 87
Mean −0.002707
Std Dev 0.9342
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

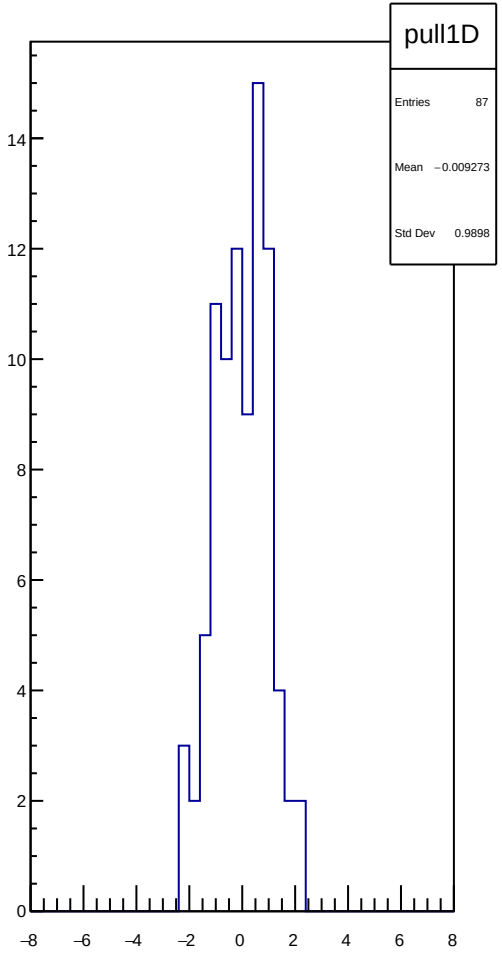

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2923 / 86
p0 349.7 ± 0.2721
400
390
380
370
360
350
340
330
320

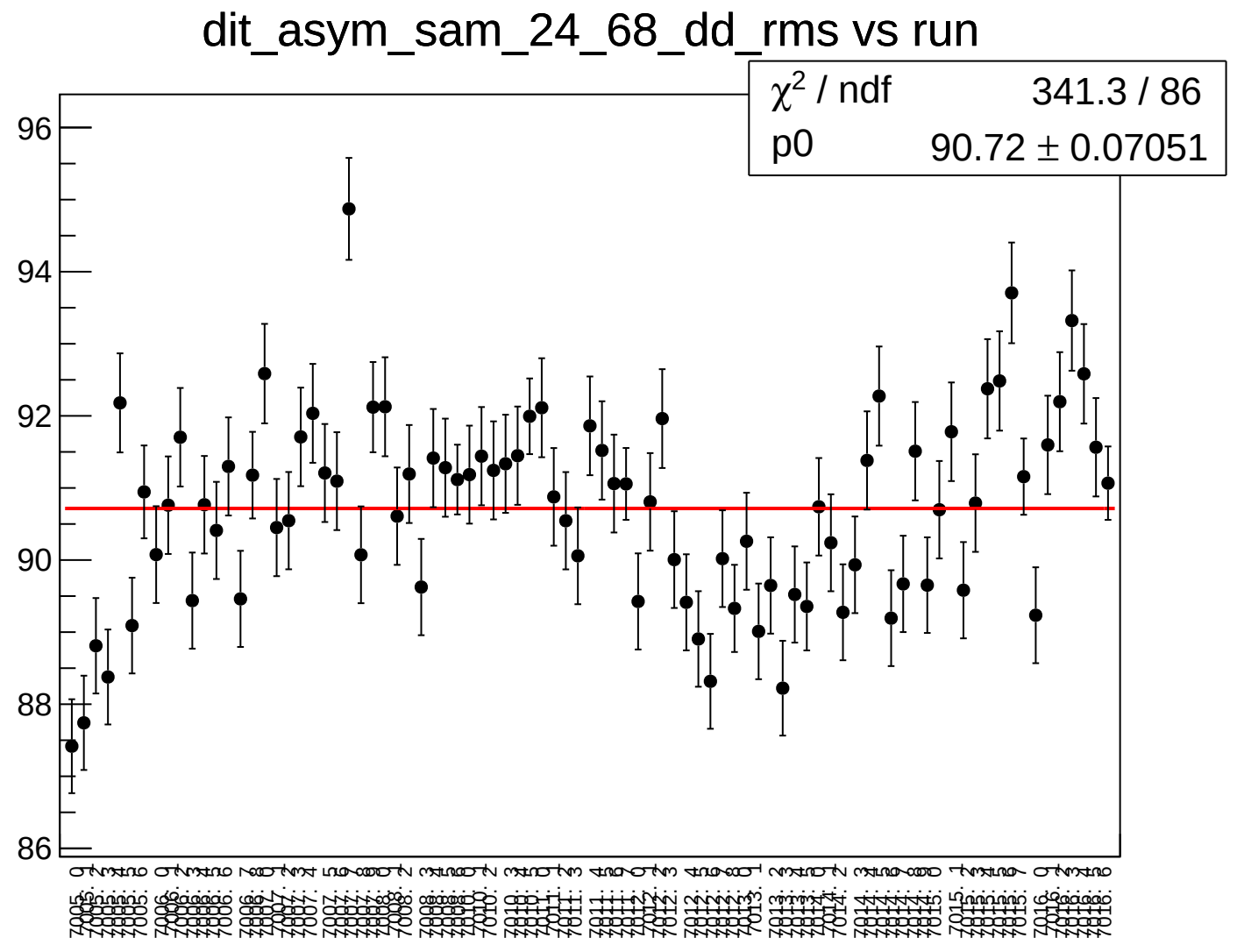

asym_sam_15_37_dd_mean vs run
χ² / ndf 75.59 / 86
p0 −338.2 ± 374.3
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −931.4
Std Dev 950.8
2
1
0
−1
−2

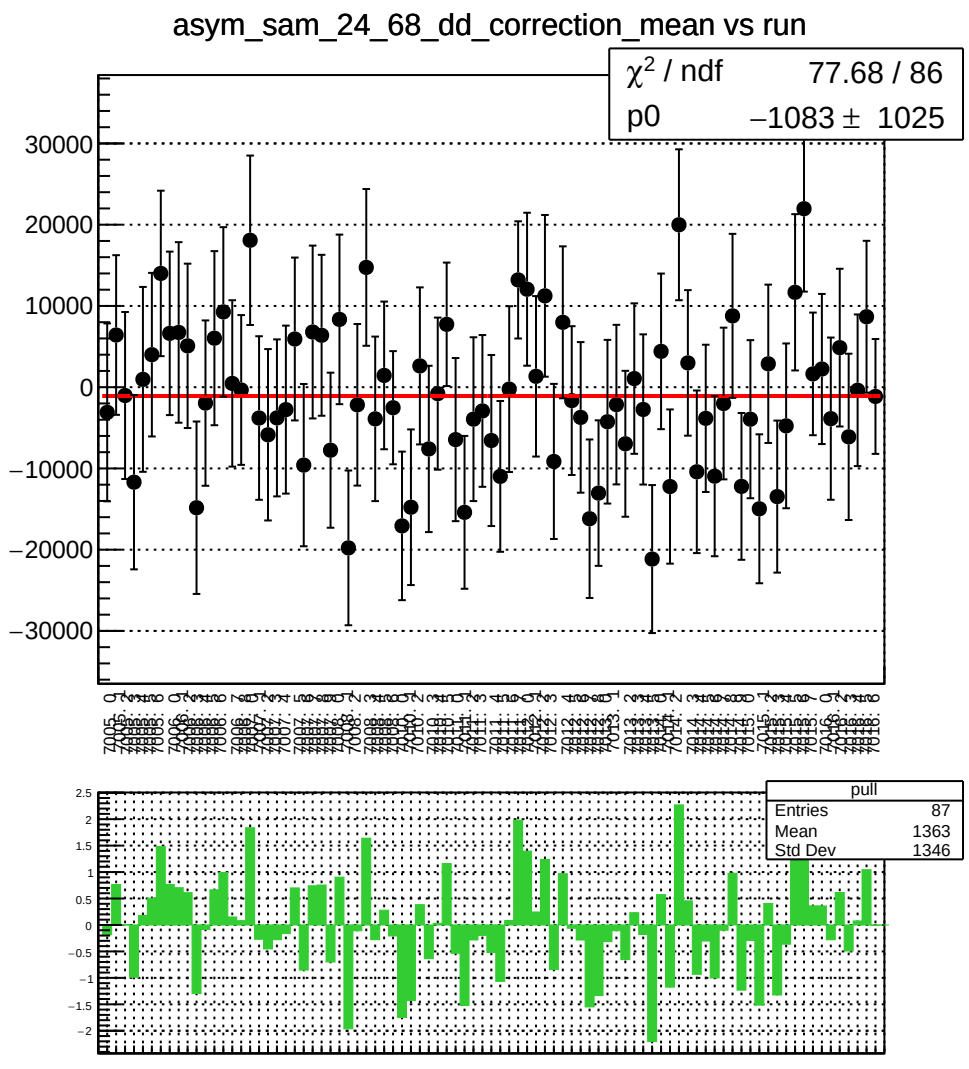

pull1D
Entries 87
Mean 0.00205
Std Dev 0.9321
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

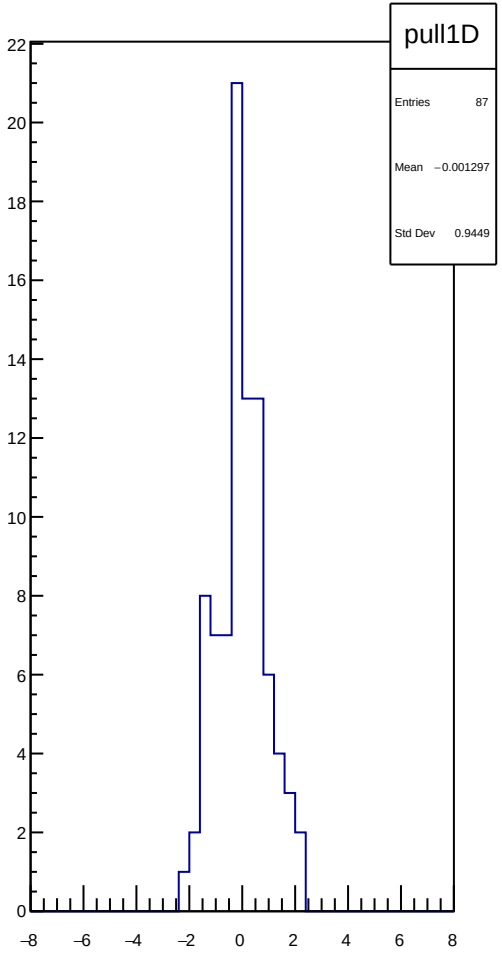

asym_sam_15_37_dd_rms vs run
χ² / ndf 4100 / 86
p0 340.1 ± 0.2647
400
380
360
340
320
300

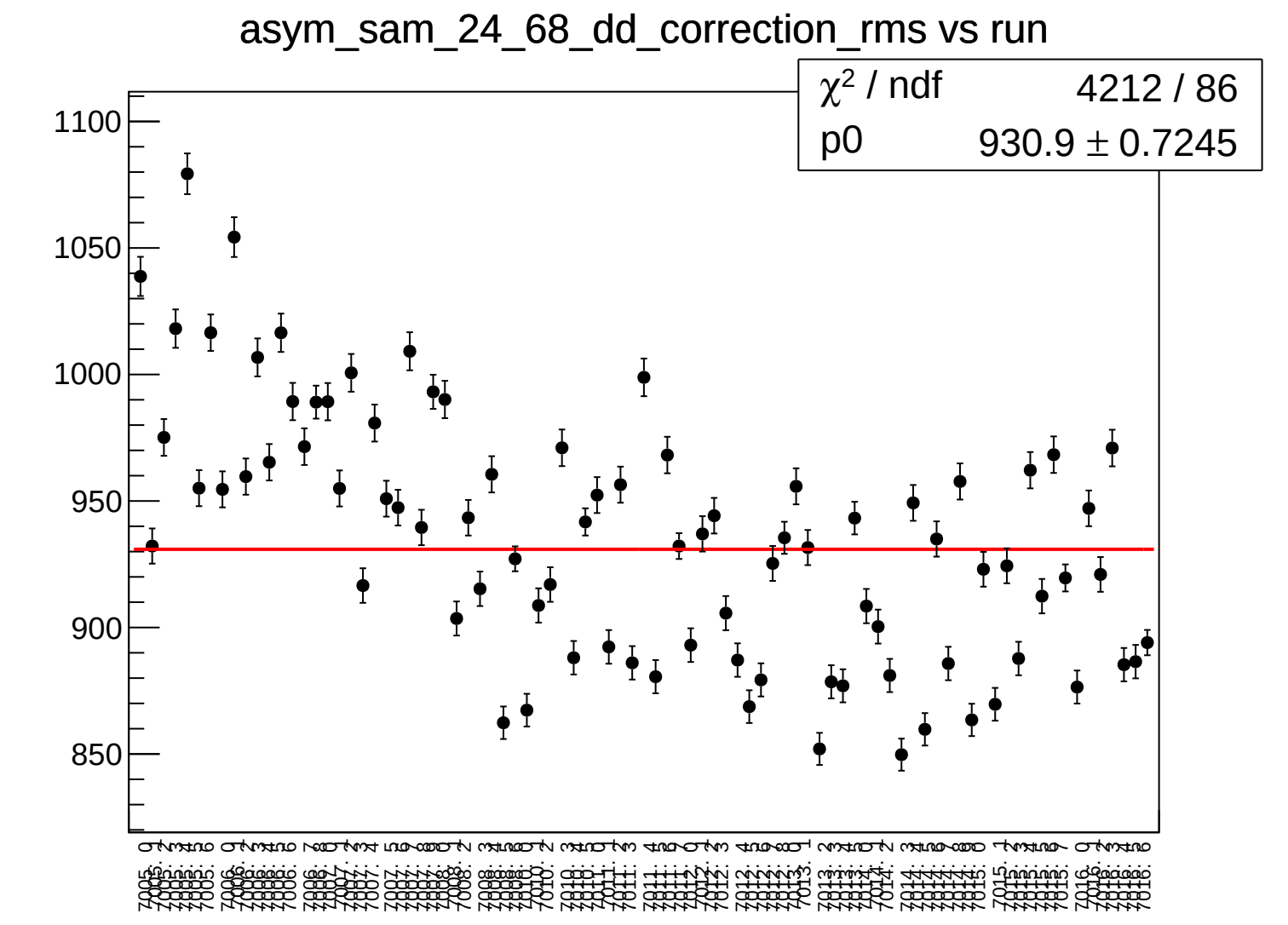

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 85.24 / 86
p0 −257.2 ± 99.72
pull
Entries 87
Mean 103.4
Std Dev 57.84

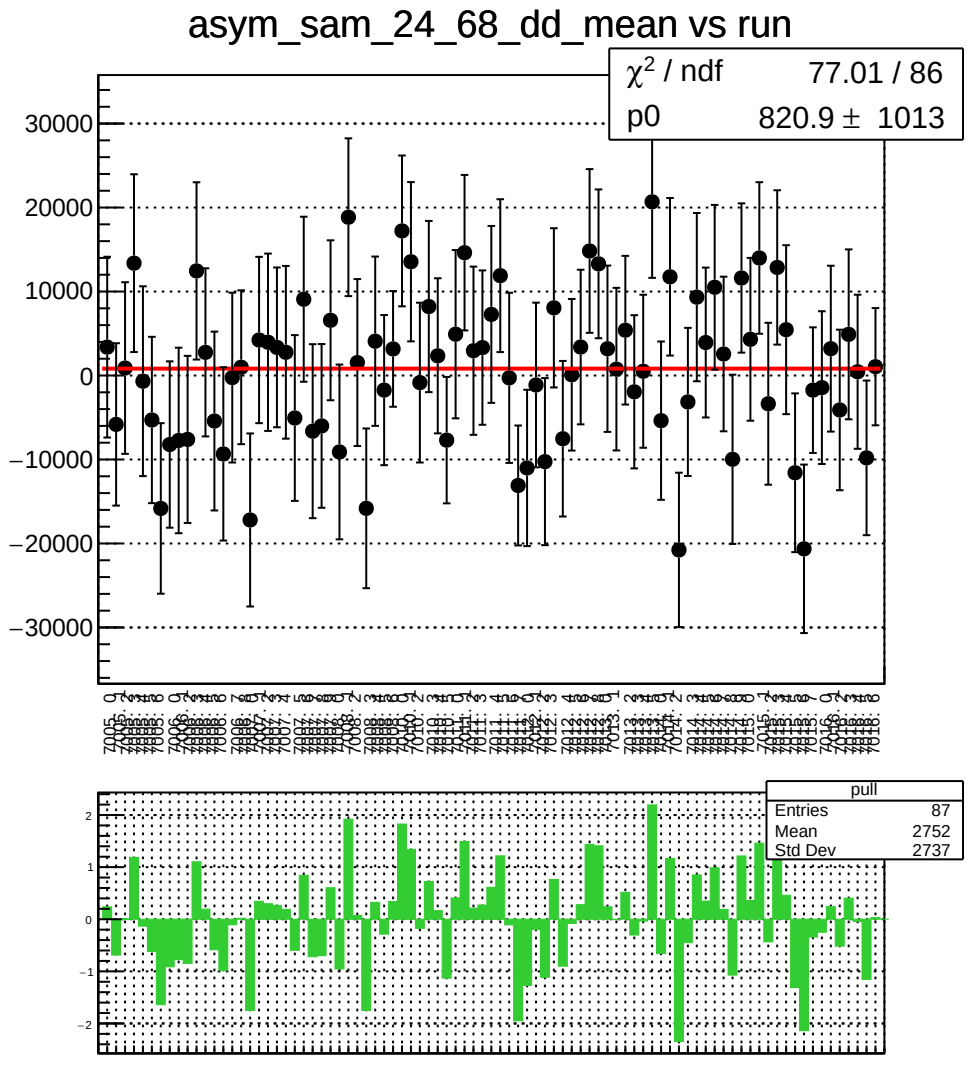

pull1D
Entries 87
Mean −0.009273
Std Dev 0.9898

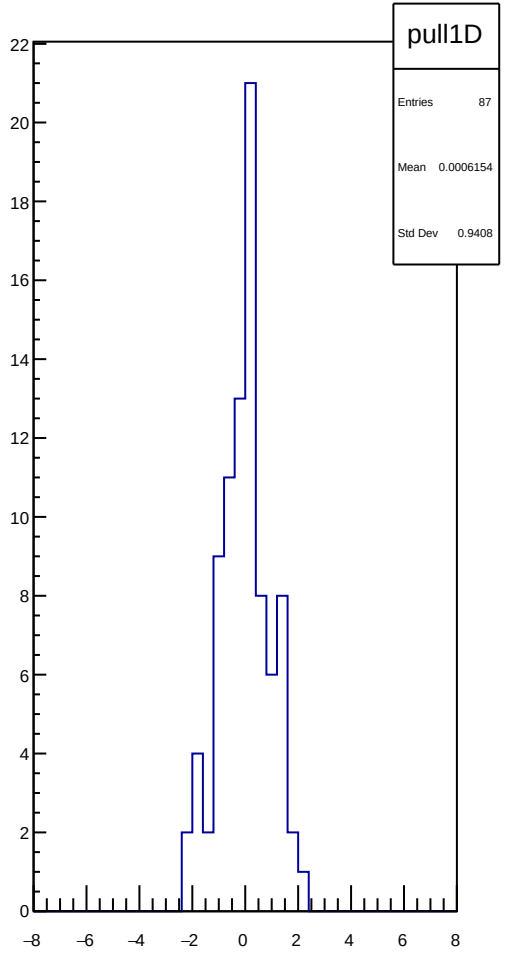

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 341.3 / 86
p0 90.72 ± 0.07051
96
94
92
90
88
86

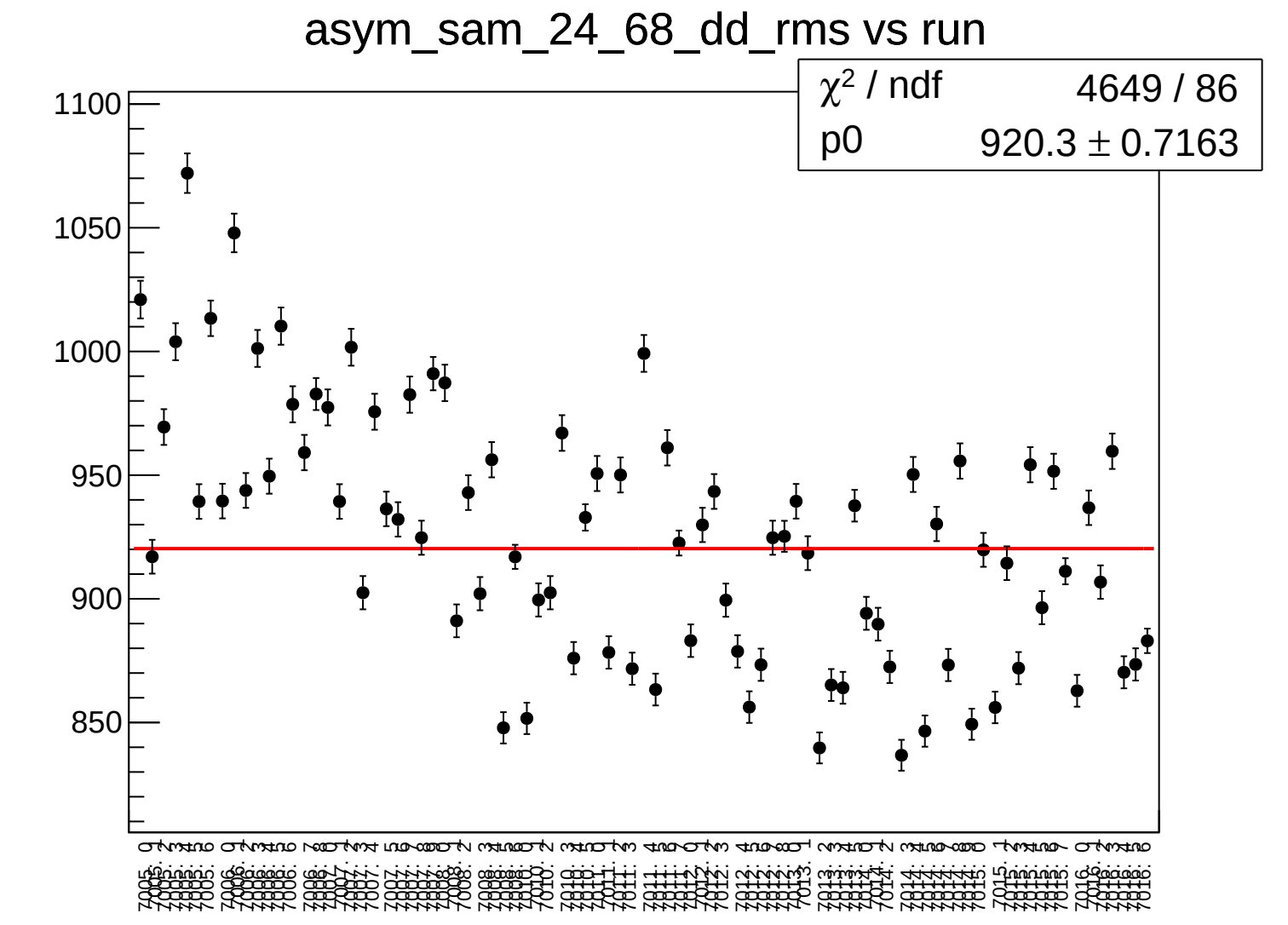

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 77.68 / 86
p0 −1083 ± 1025
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 1363
Std Dev 1346
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

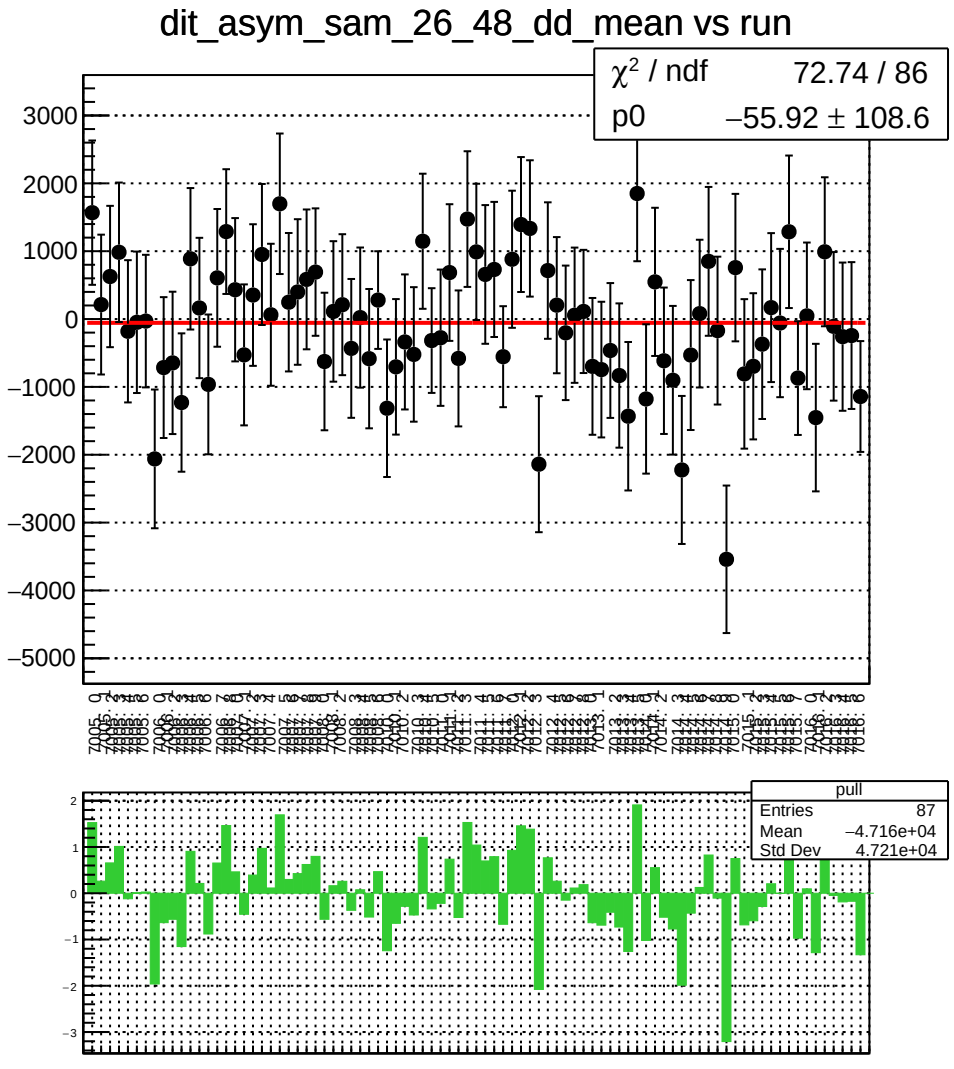

pull1D
Entries 87
Mean −0.001297
Std Dev 0.9449
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

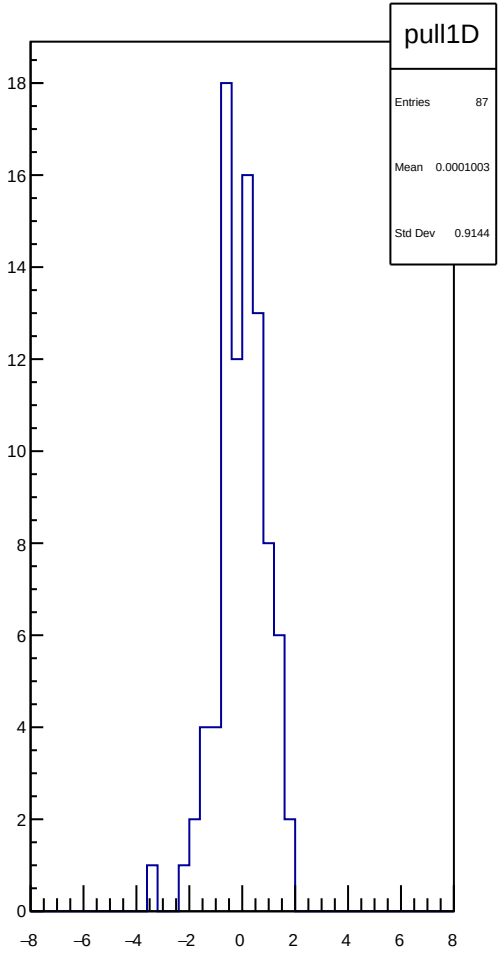

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4212 / 86
p0 930.9 ± 0.7245
1100
1050
1000
950
900
850

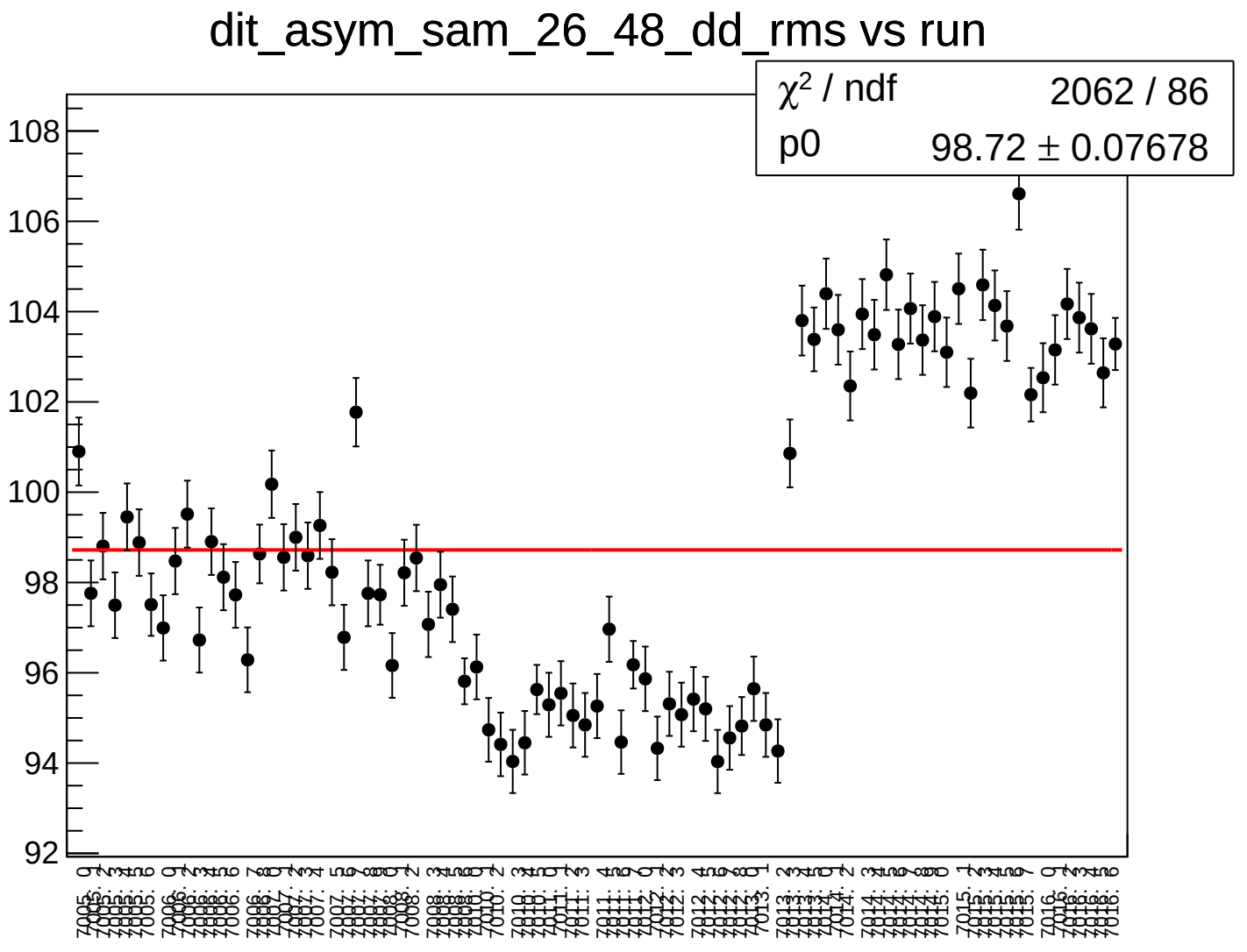

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 77.01 / 86
p0 820.9 ± 1013
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 2752
Std Dev 2737
2
1
0
−1
−2

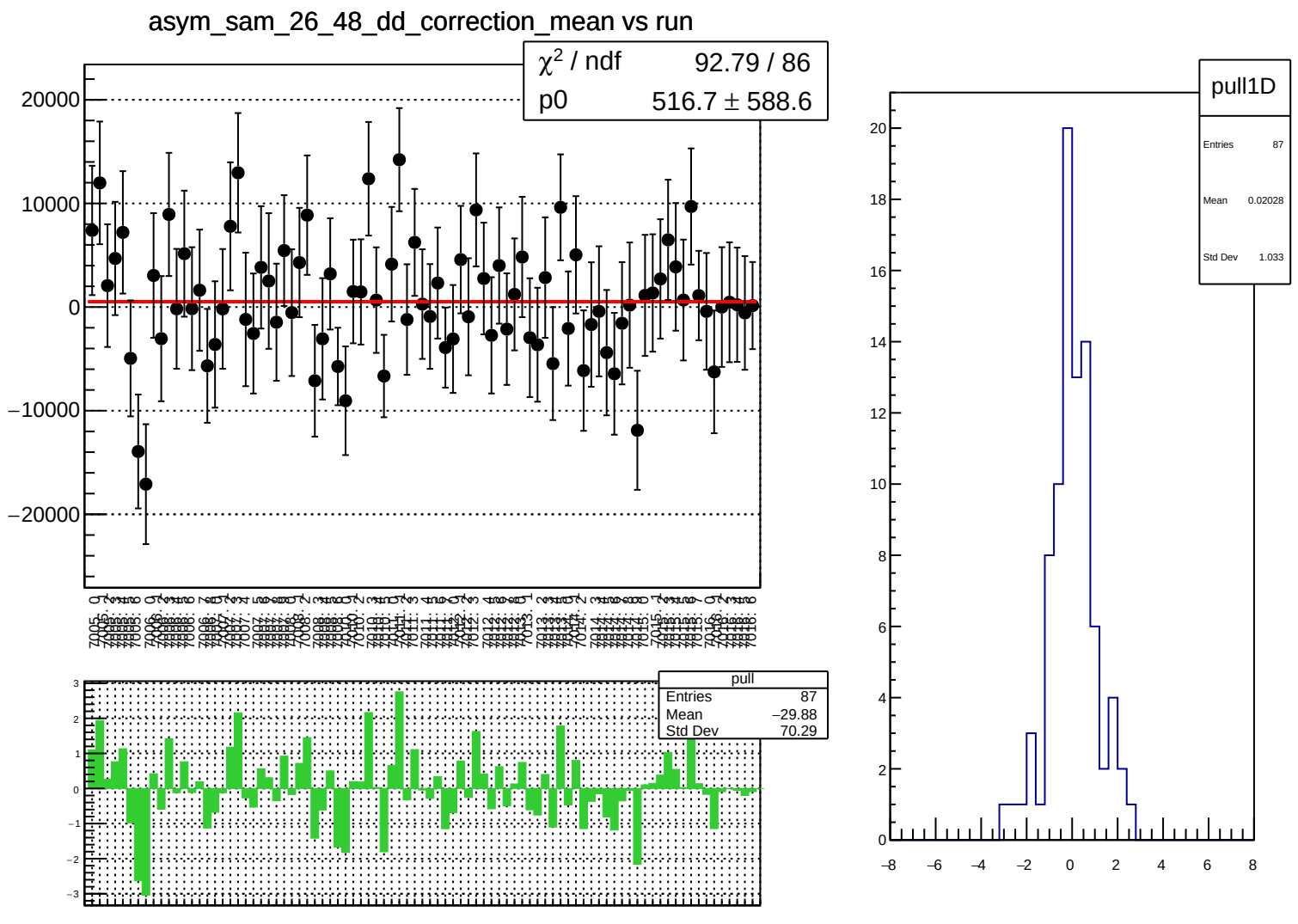

pull1D
Entries 87
Mean 0.0006154
Std Dev 0.9408
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

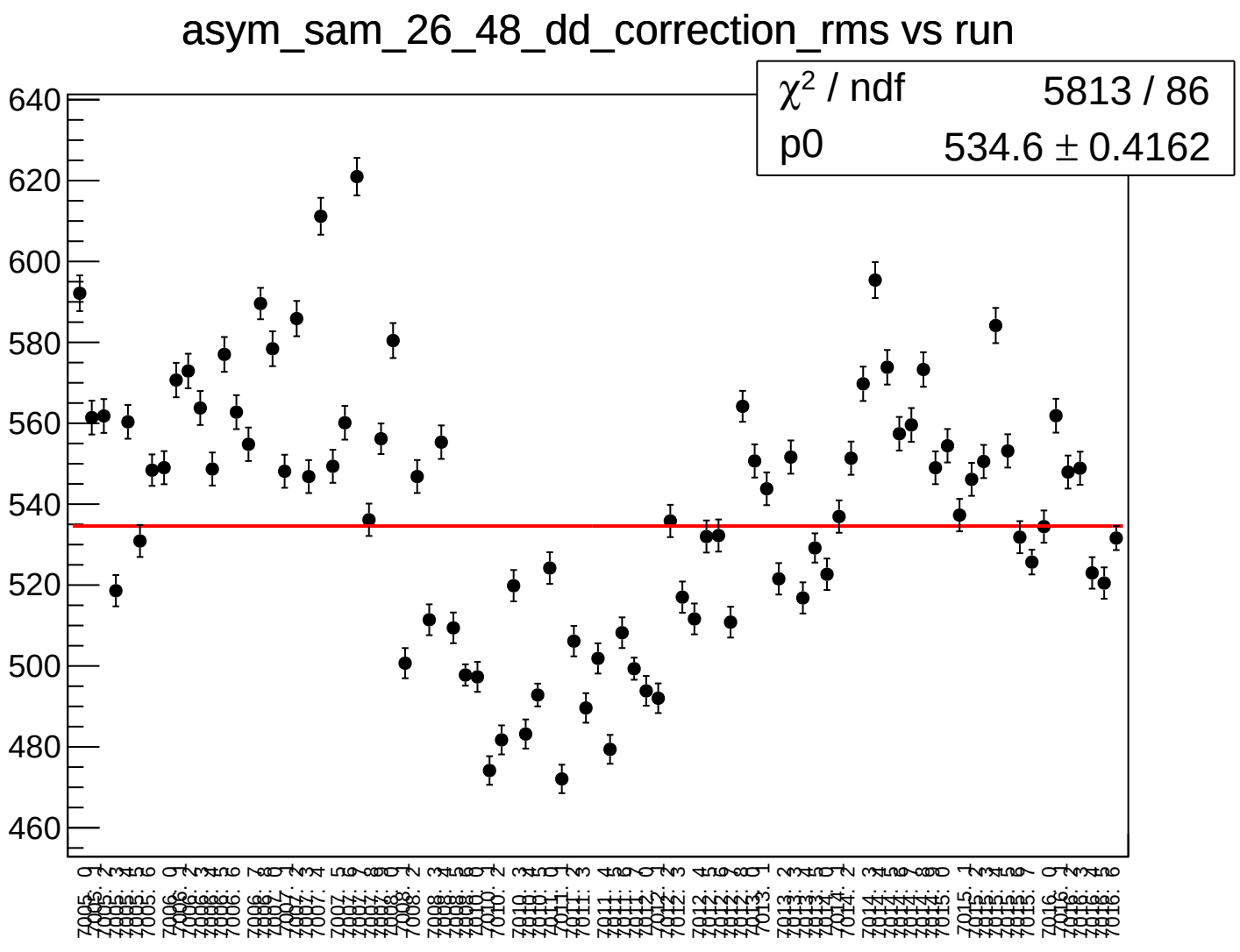

asym_sam_24_68_dd_rms vs run
χ² / ndf 4649 / 86
p0 920.3 ± 0.7163
1100
1050
1000
950
900
850

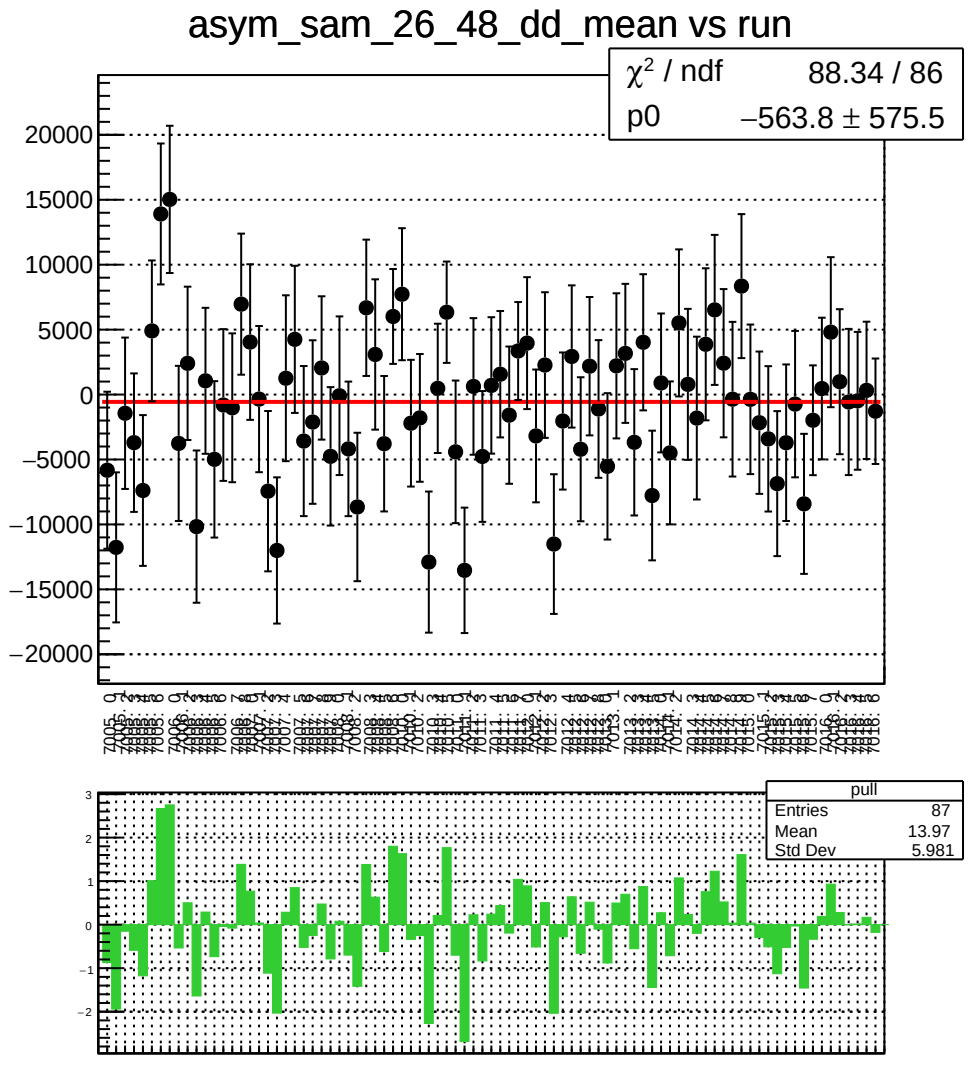

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 72.74 / 86
p0 −55.92 ± 108.6
pull
Entries 87
Mean −4.716e+04
Std Dev 4.721e+04

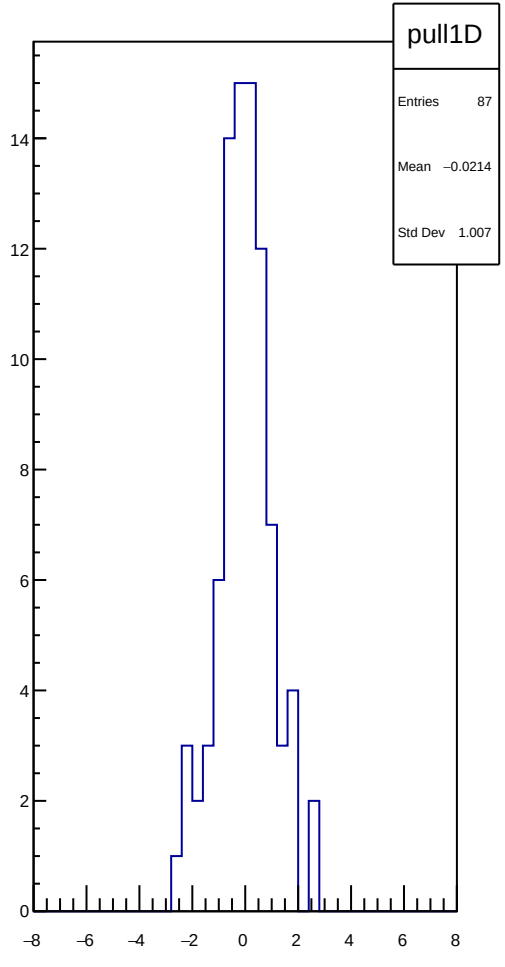

pull1D
Entries 87
Mean 0.0001003
Std Dev 0.9144

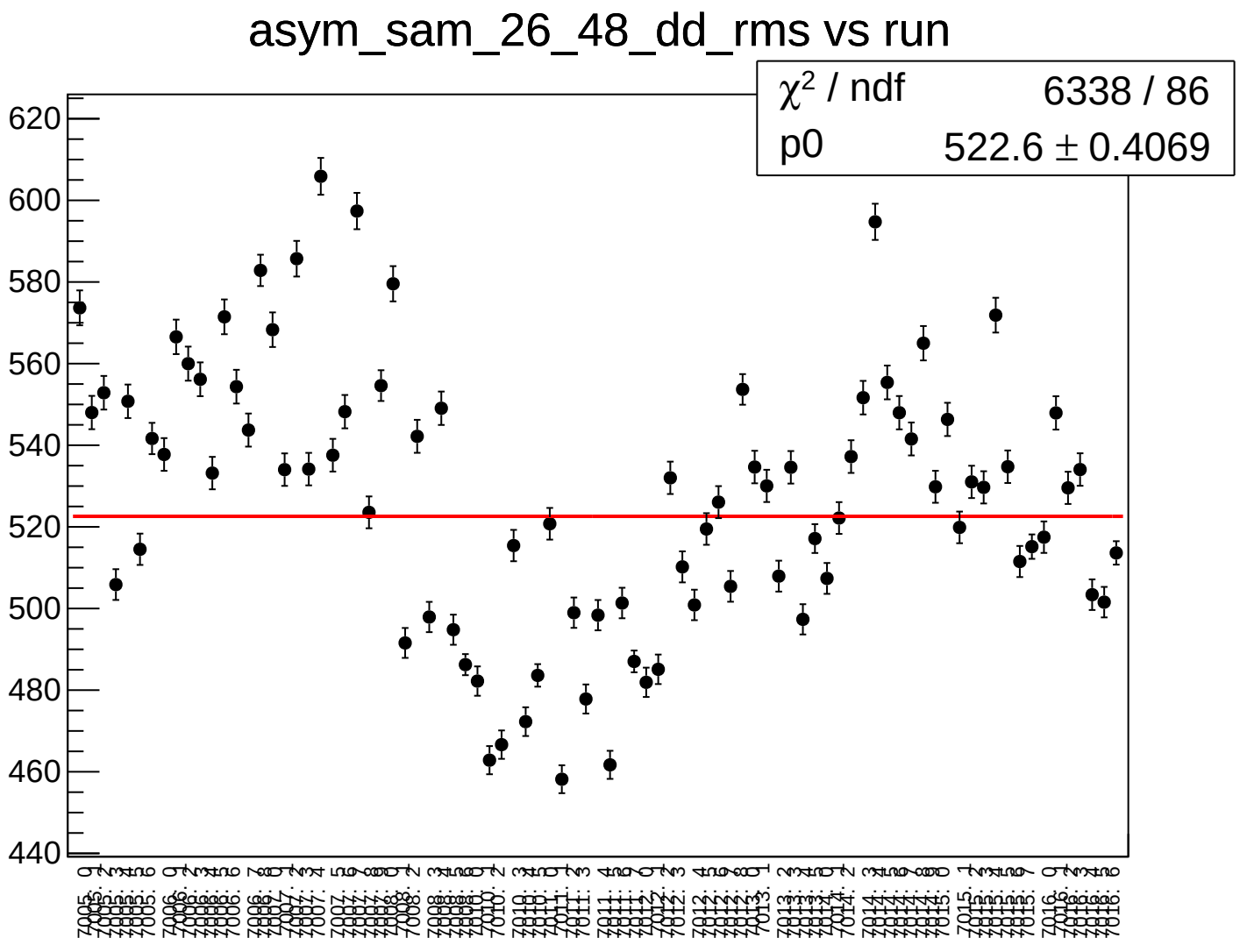

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2062 / 86
p0 98.72 ± 0.07678
108
106
104
102
100
98
96
94
92

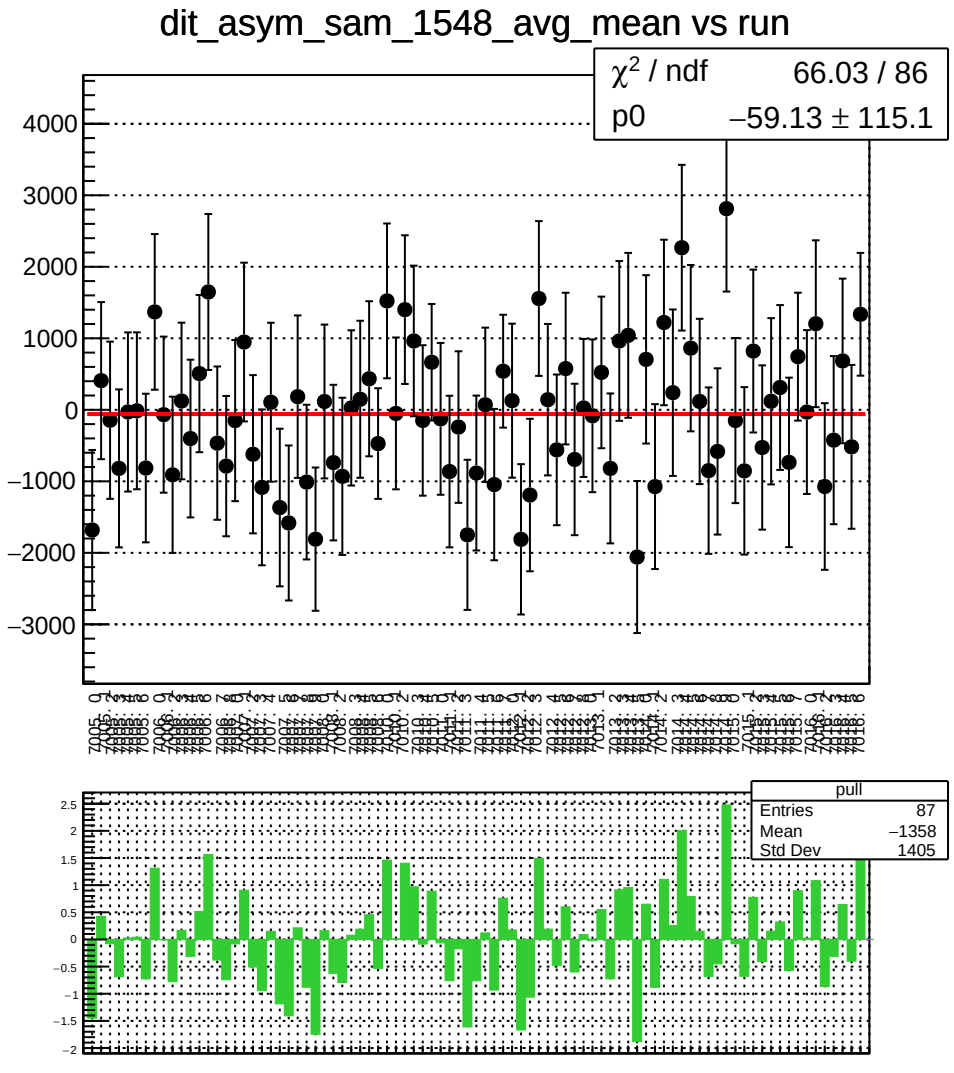

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 92.79 / 86
p0 516.7 ± 588.6
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −29.88
Std Dev 70.29
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.02028
Std Dev 1.033
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

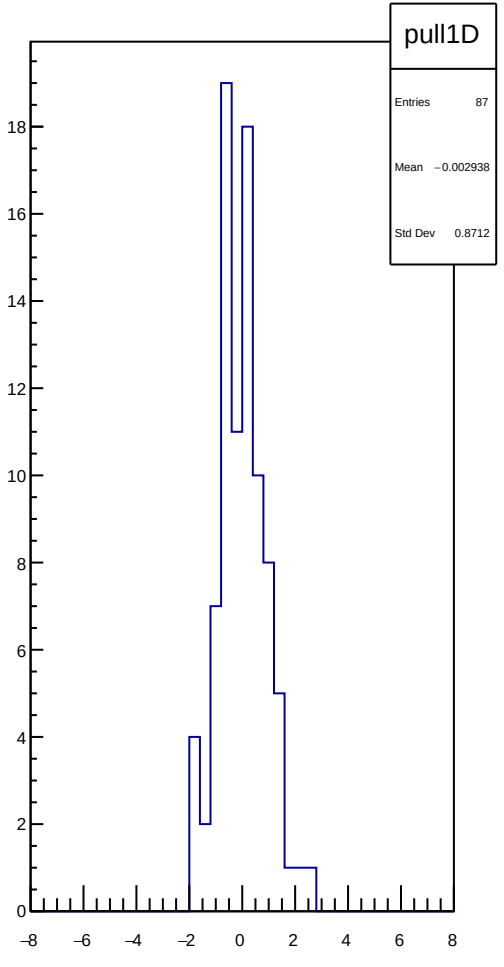

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 5813 / 86
p0 534.6 ± 0.4162
640
620
600
580
560
540
520
500
480
460

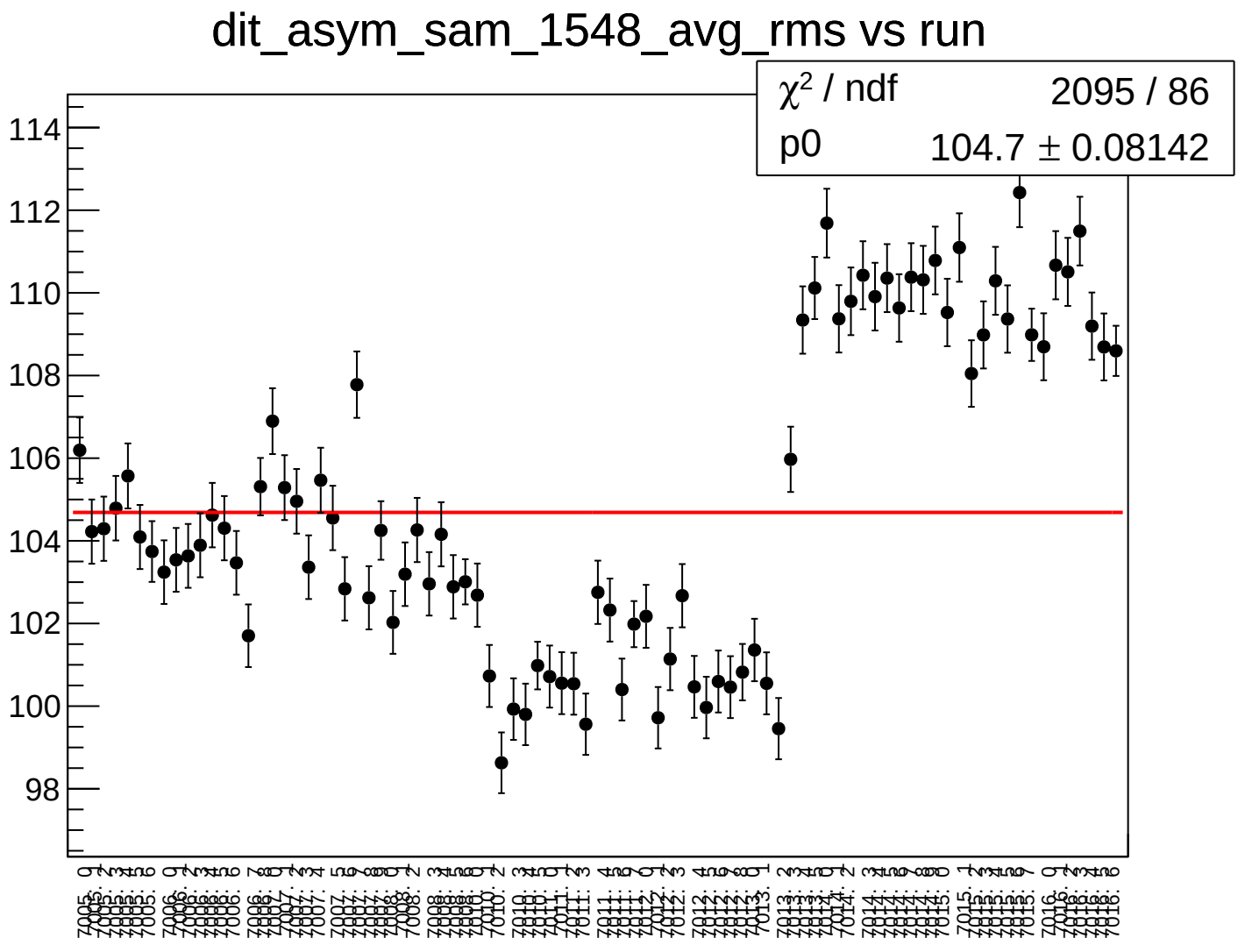

asym_sam_26_48_dd_mean vs run
χ² / ndf 88.34 / 86
p0 −563.8 ± 575.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean 13.97
Std Dev 5.981
3
2
1
0
−1
−2

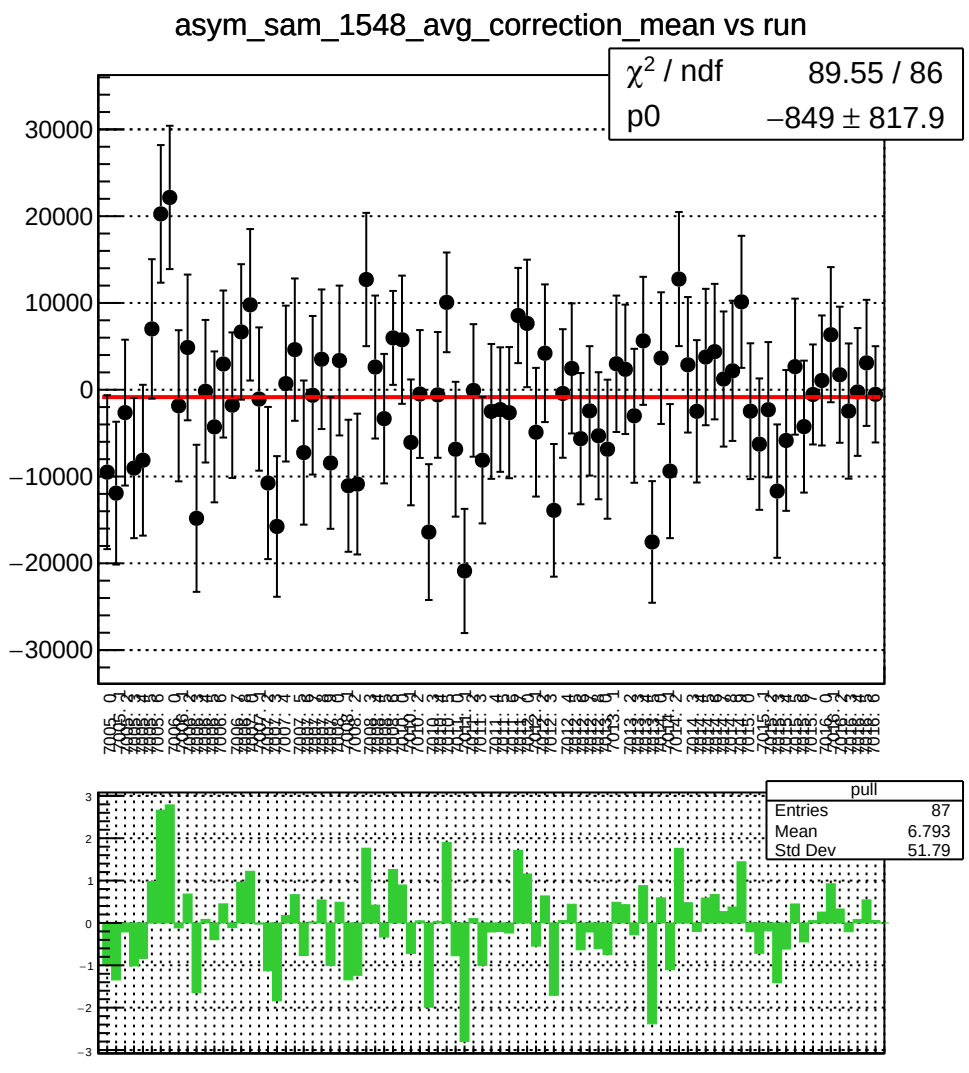

pull1D
Entries 87
Mean −0.0214
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

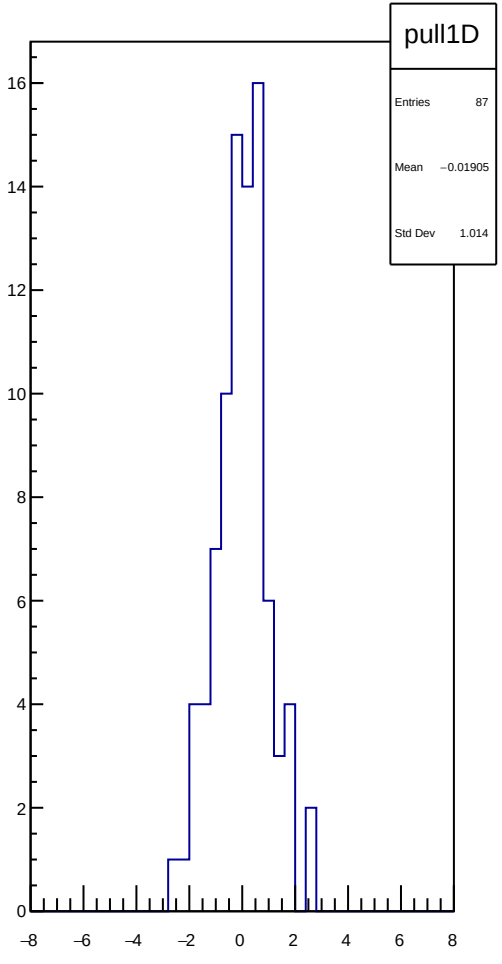

asym_sam_26_48_dd_rms vs run
χ² / ndf 6338 / 86
p0 522.6 ± 0.4069
620
600
580
560
540
520
500
480
460
440

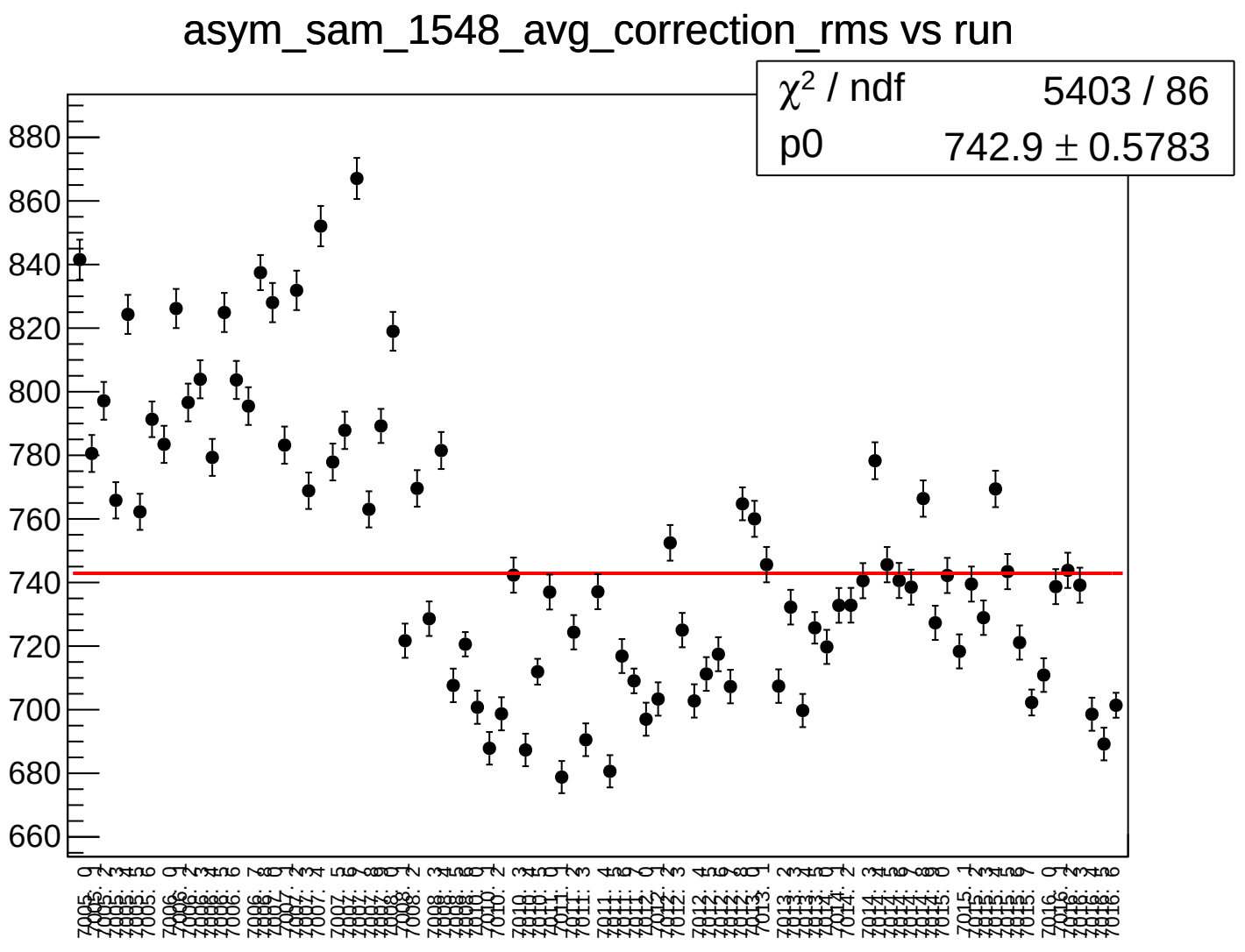

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 66.03 / 86
p0 −59.13 ± 115.1
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −1358
Std Dev 1405
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

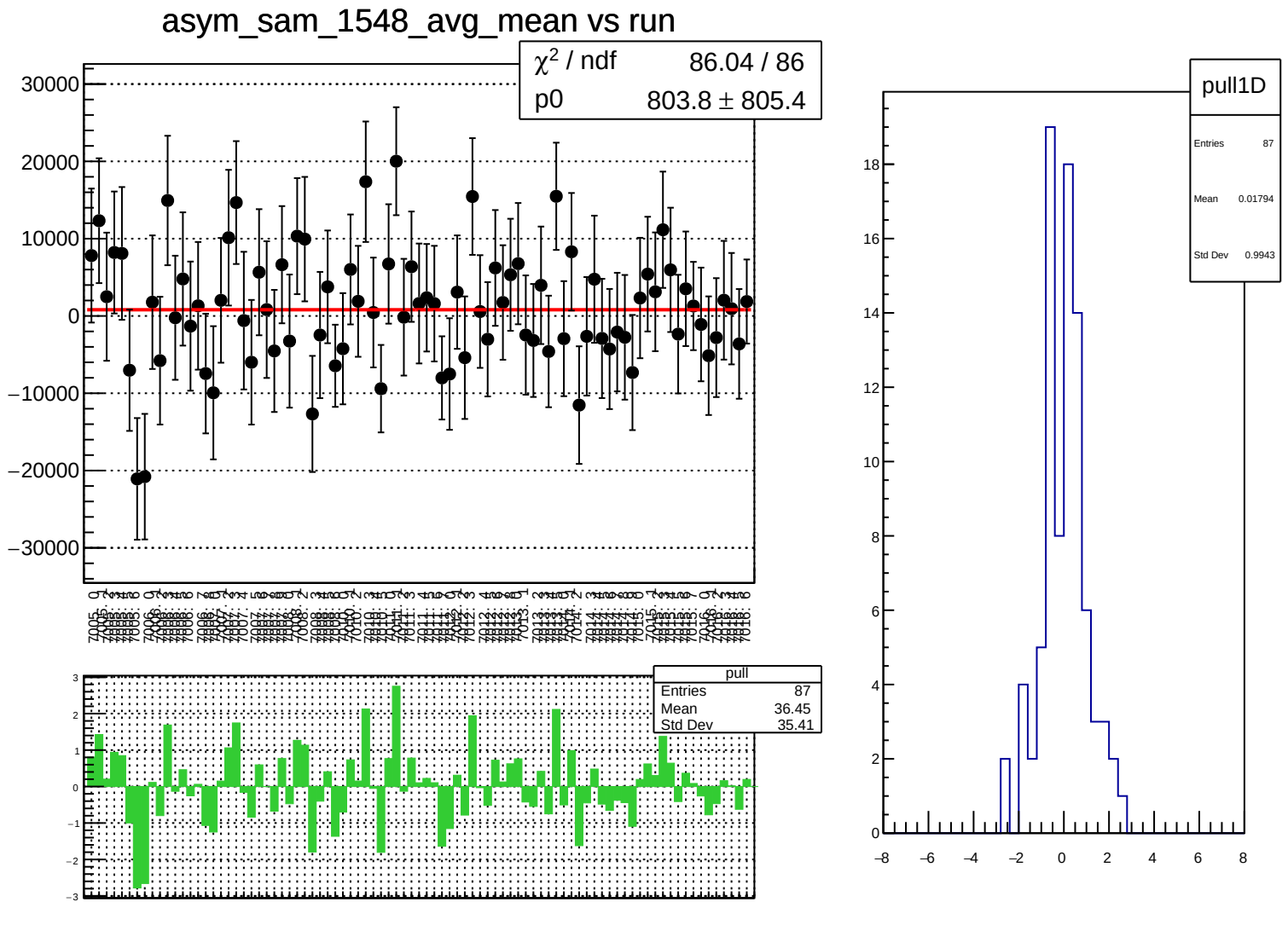

pull1D
Entries 87
Mean −0.002938
Std Dev 0.8712
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

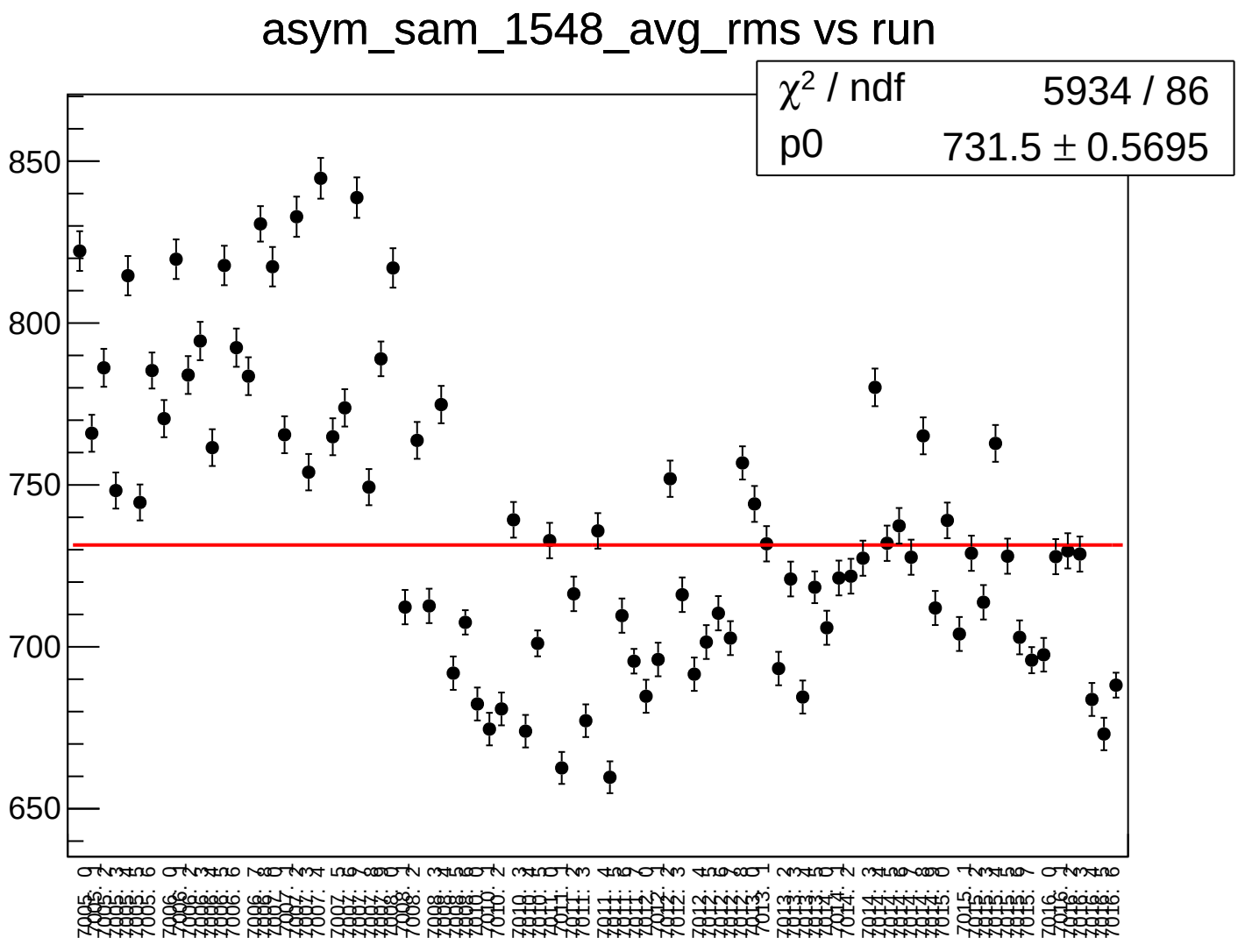

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2095 / 86
p0 104.7 ± 0.08142
114
112
110
108
106
104
102
100
98

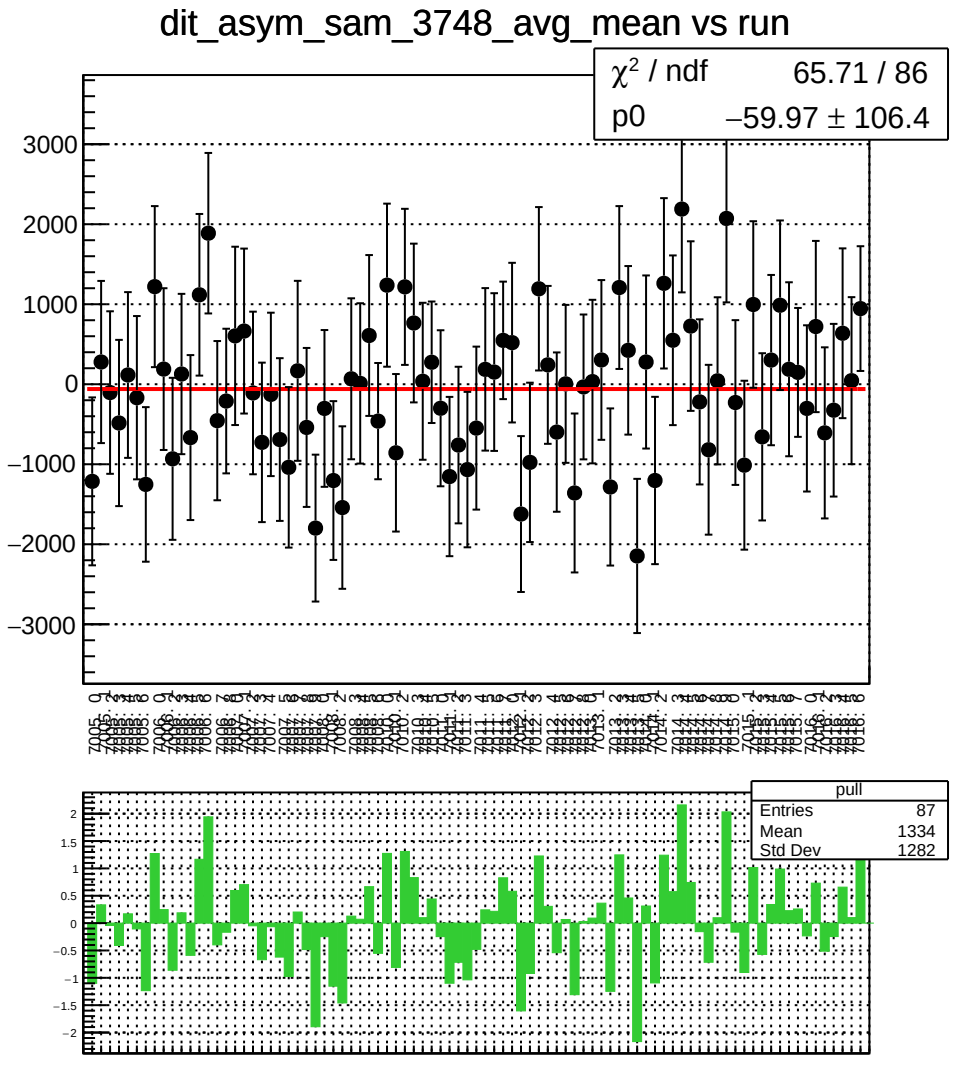

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 89.55 / 86
p0 −849 ± 817.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 6.793
Std Dev 51.79
3
2
1
0
−1
−2
−3

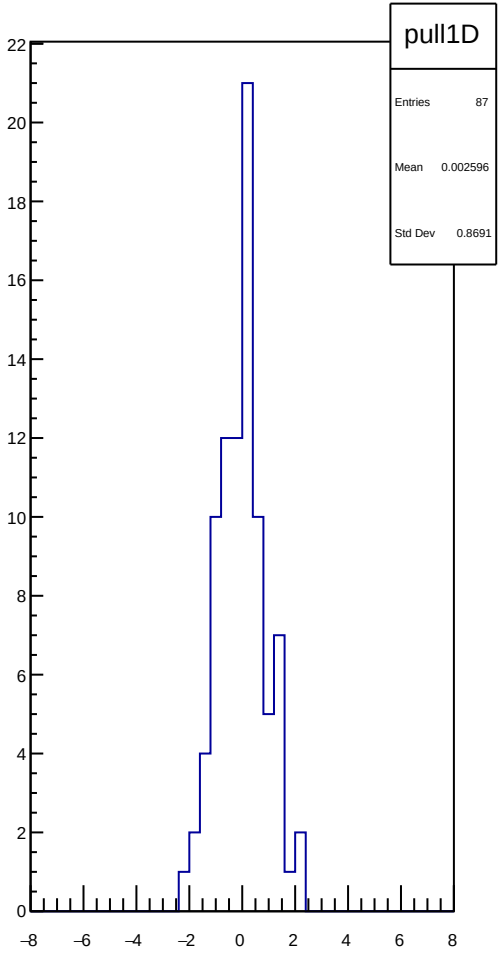

pull1D
Entries 87
Mean −0.01905
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

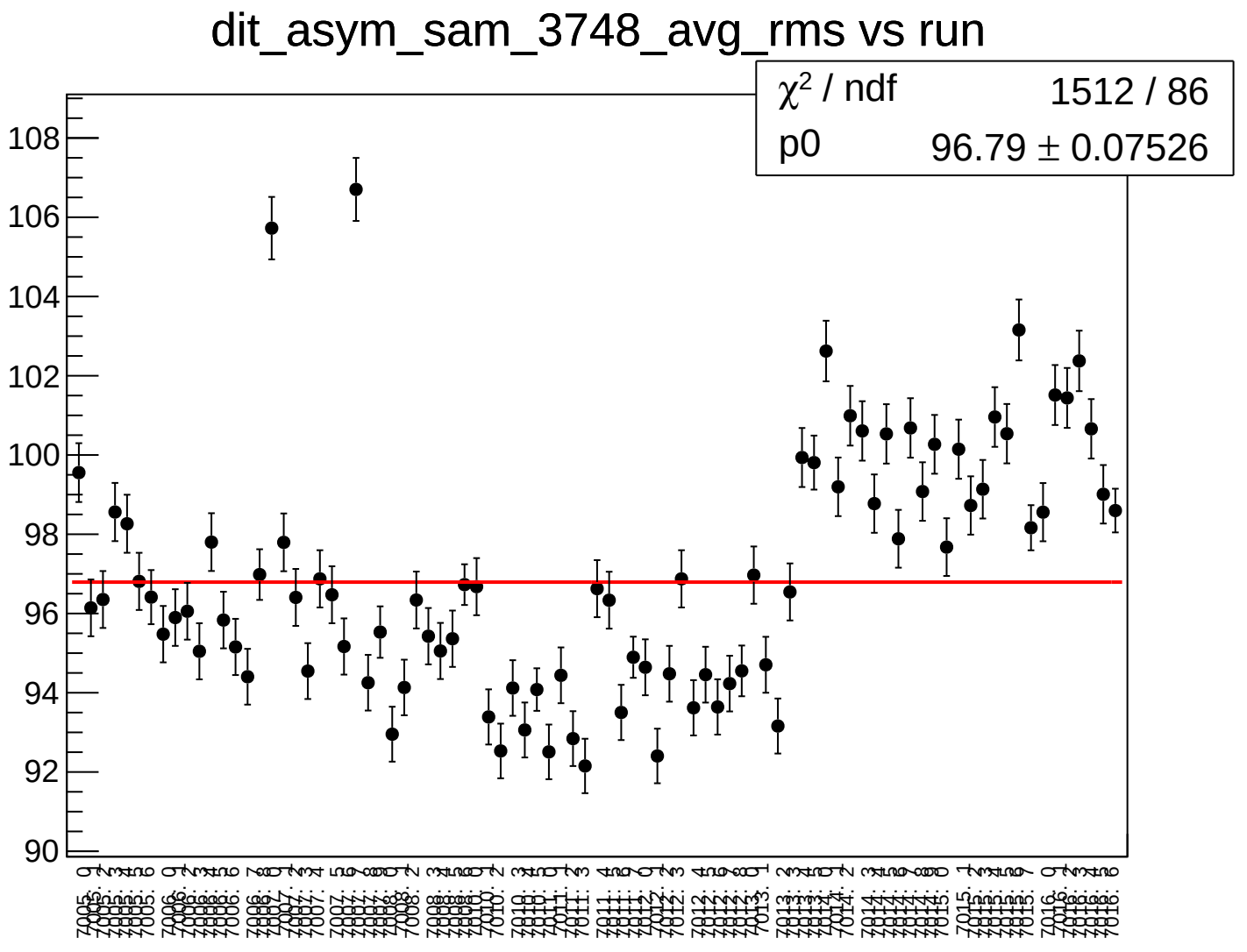

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 5403 / 86
p0 742.9 ± 0.5783
880
860
840
820
800
780
760
740
720
700
680
660

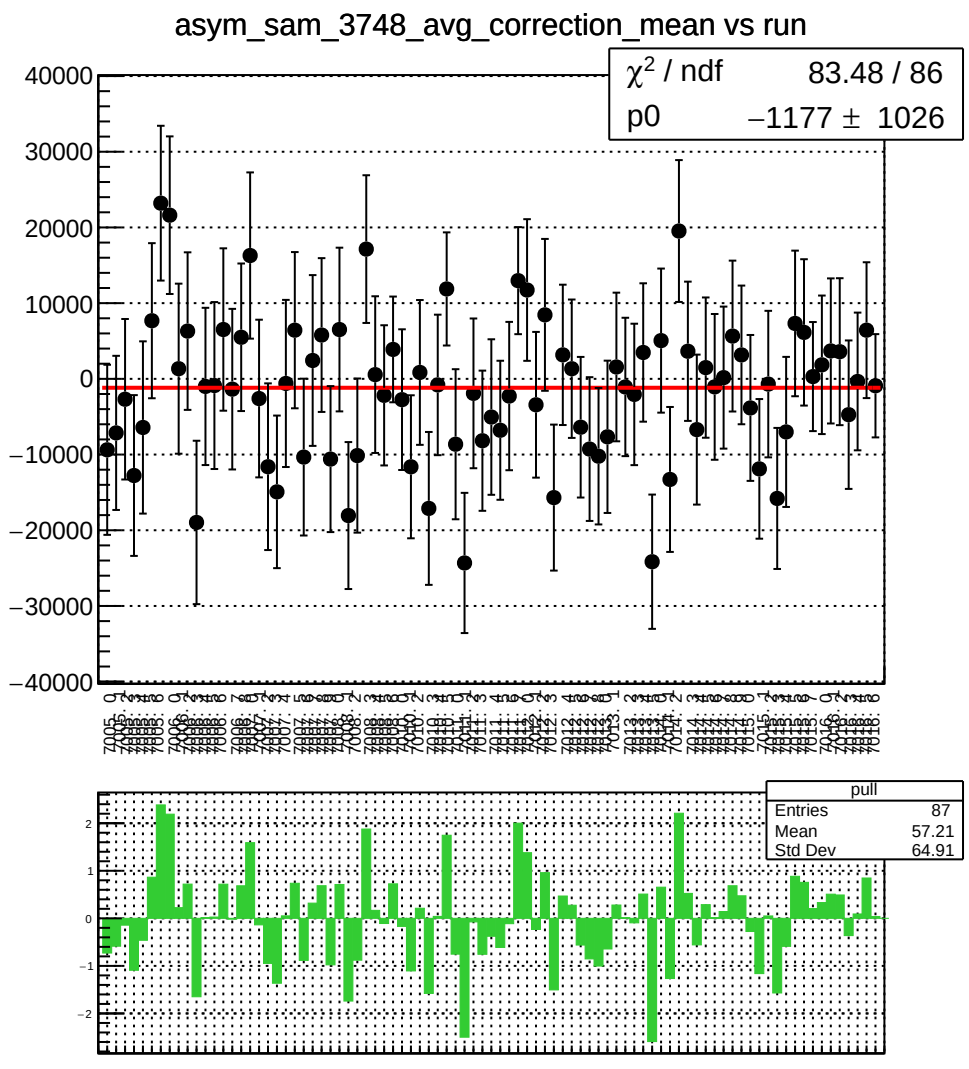

asym_sam_1548_avg_mean vs run
χ² / ndf 86.04 / 86
p0 803.8 ± 805.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 36.45
Std Dev 35.41
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.01794
Std Dev 0.9943
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

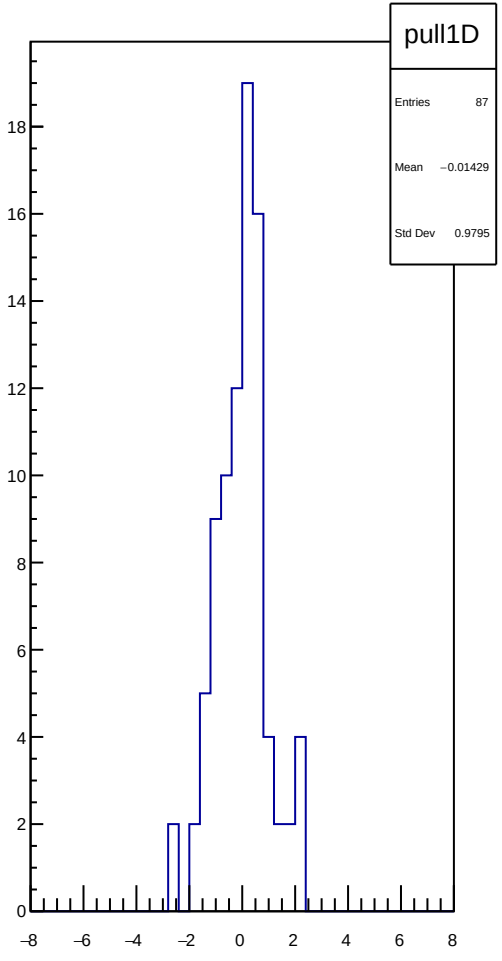

asym_sam_1548_avg_rms vs run
χ² / ndf 5934 / 86
p0 731.5 ± 0.5695
850
800
750
700
650

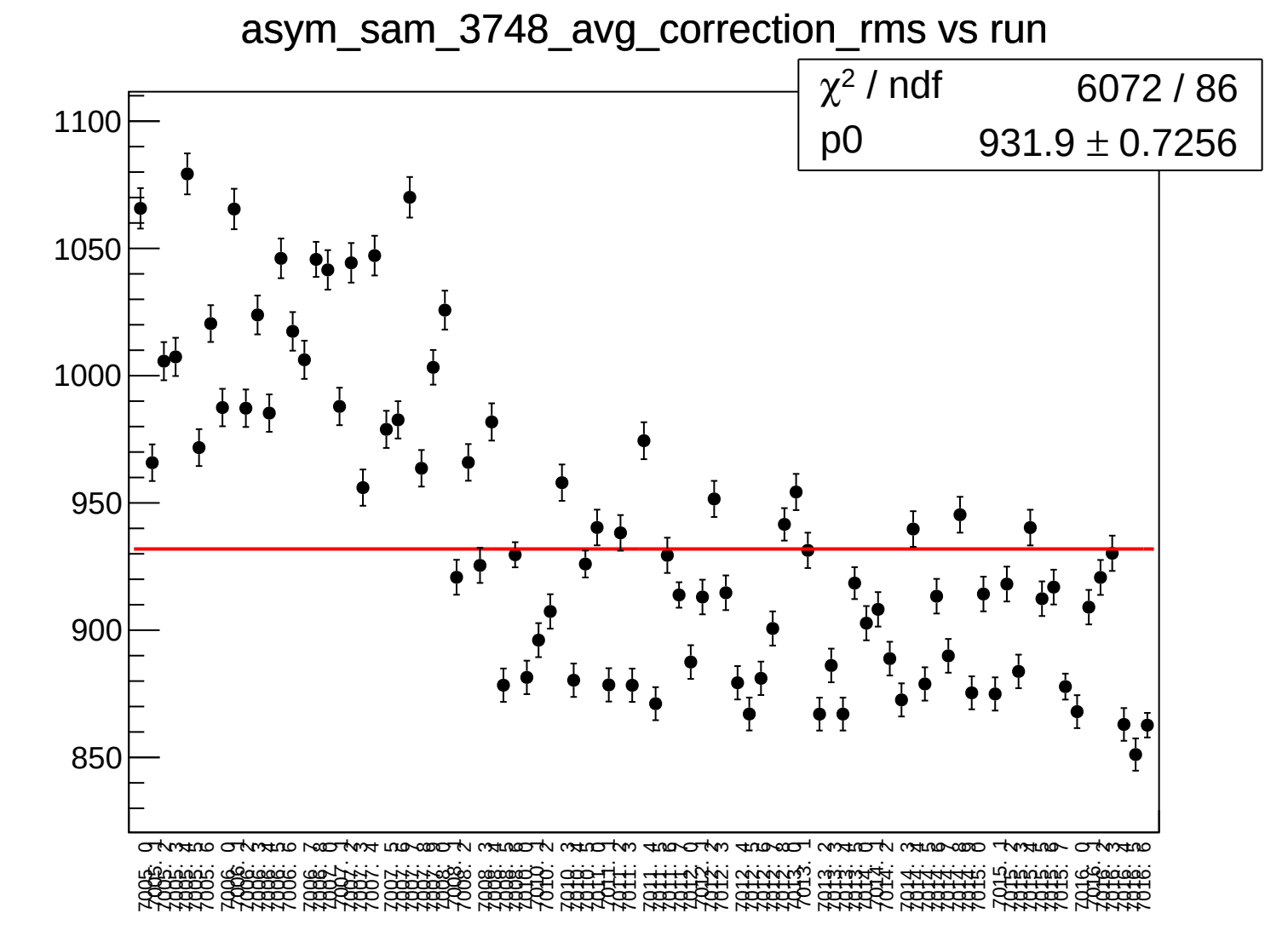

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 65.71 / 86
p0 −59.97 ± 106.4
pull
Entries 87
Mean 1334
Std Dev 1282

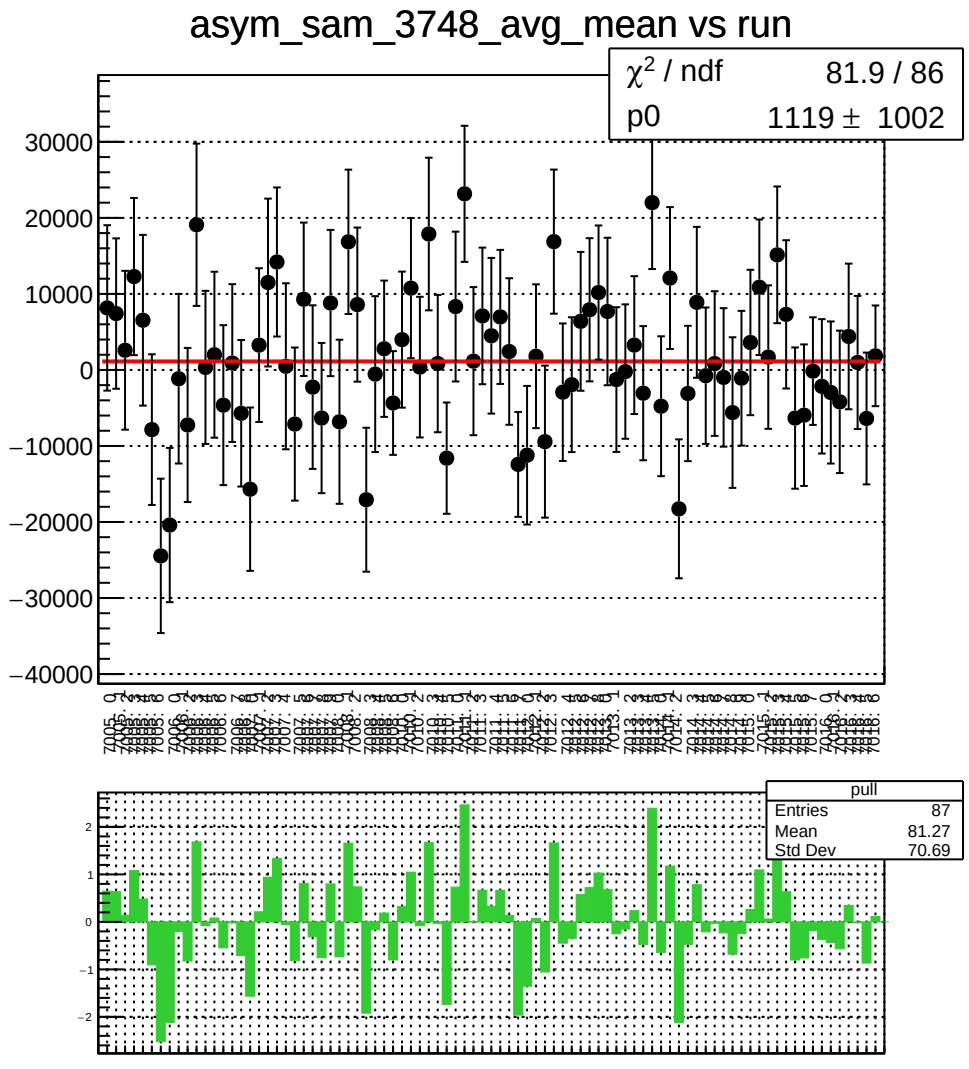

pull1D
Entries 87
Mean 0.002596
Std Dev 0.8691

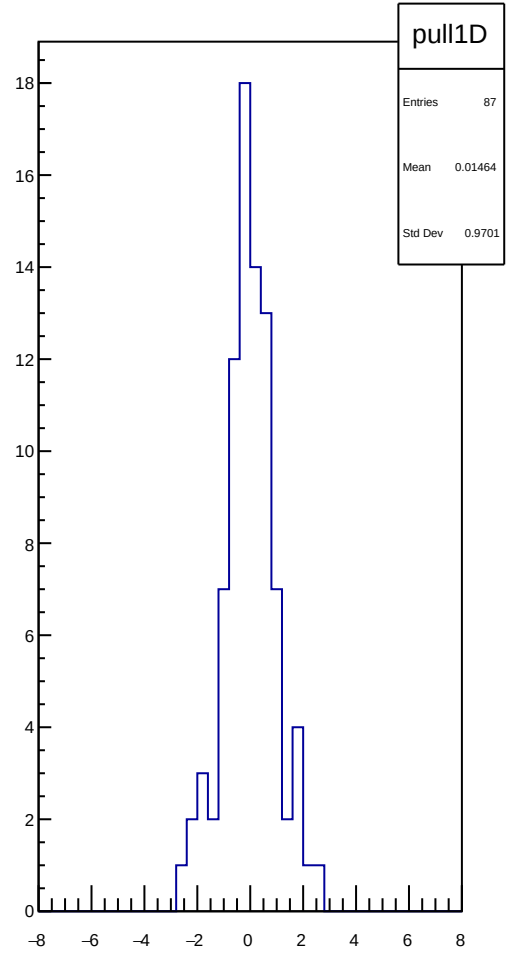

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1512 / 86
p0 96.79 ± 0.07526
108
106
104
102
100
98
96
94
92
90

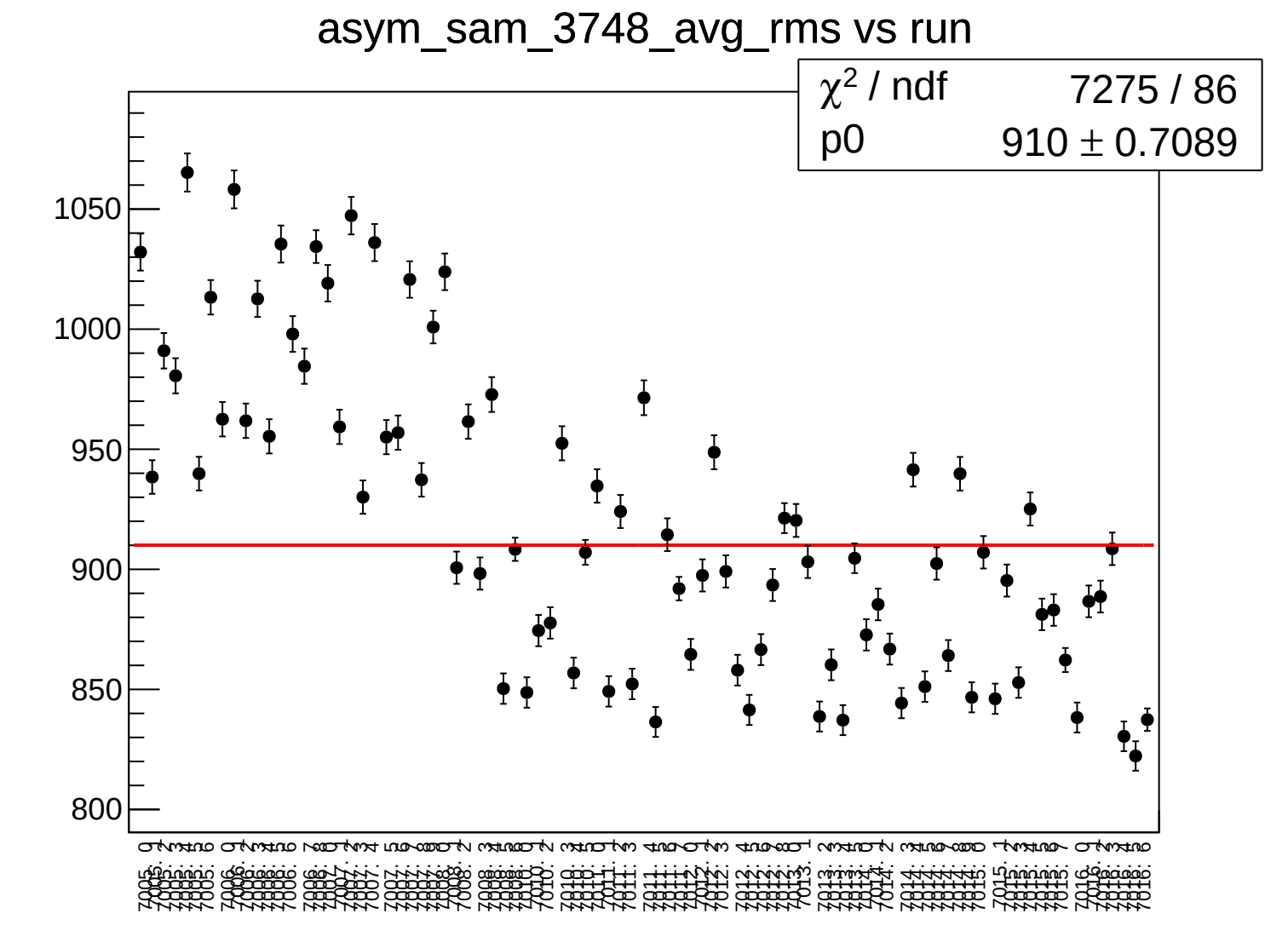

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 83.48 / 86
p0 −1177 ± 1026
pull
Entries 87
Mean 57.21
Std Dev 64.91

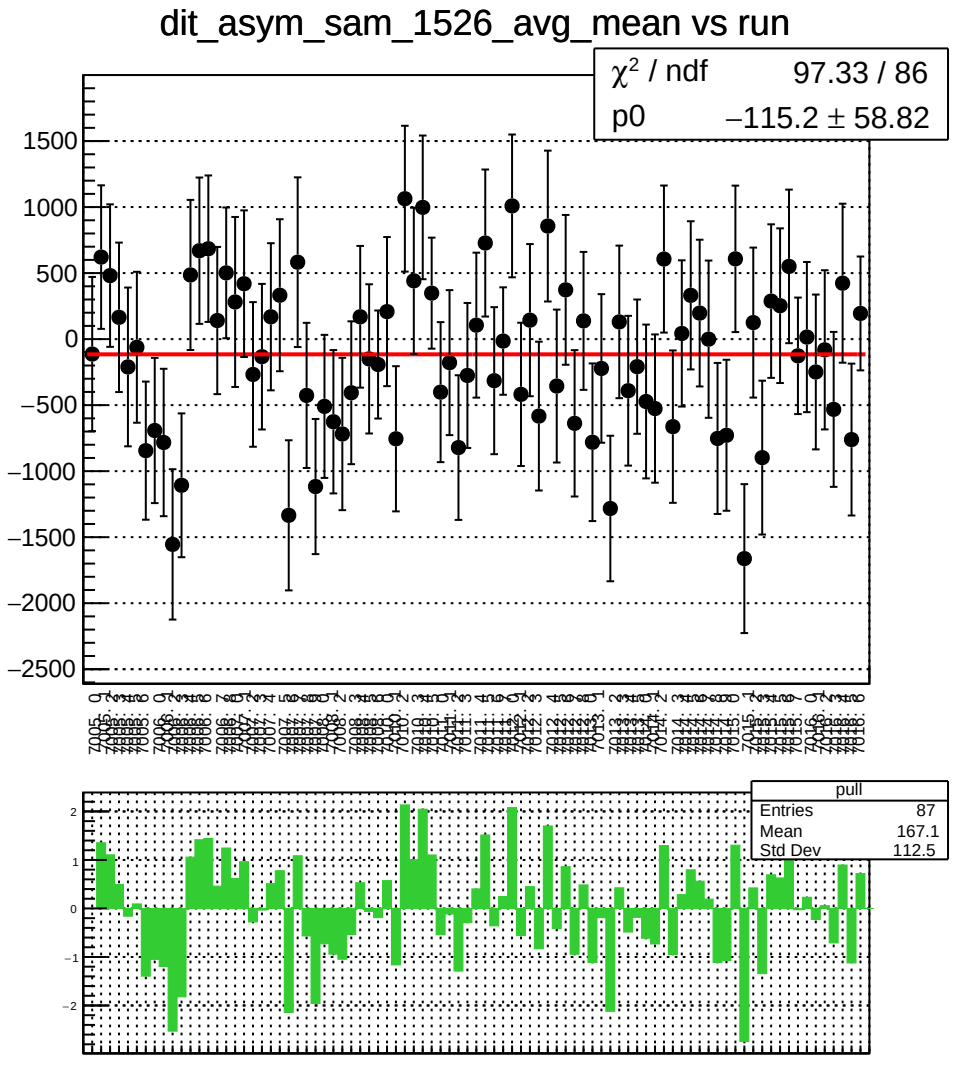

pull1D
Entries 87
Mean −0.01429
Std Dev 0.9795

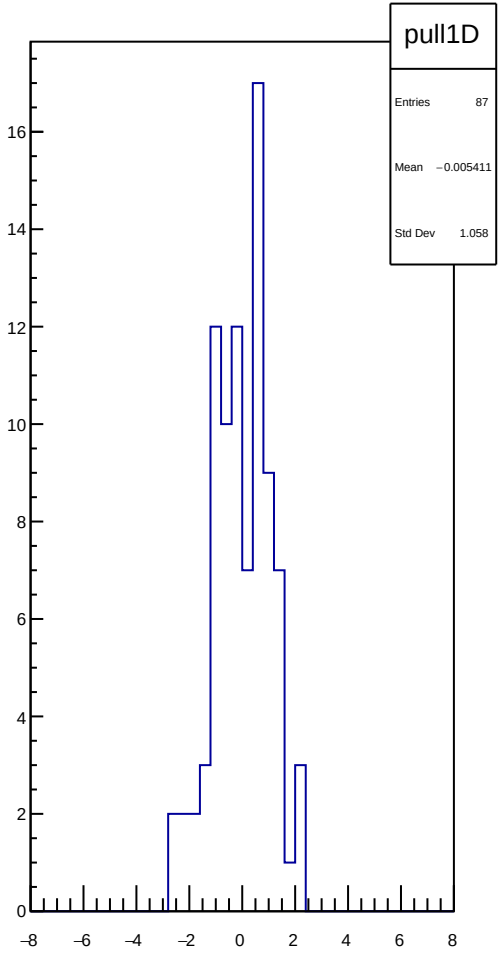

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 6072 / 86
p0 931.9 ± 0.7256
1100
1050
1000
950
900
850

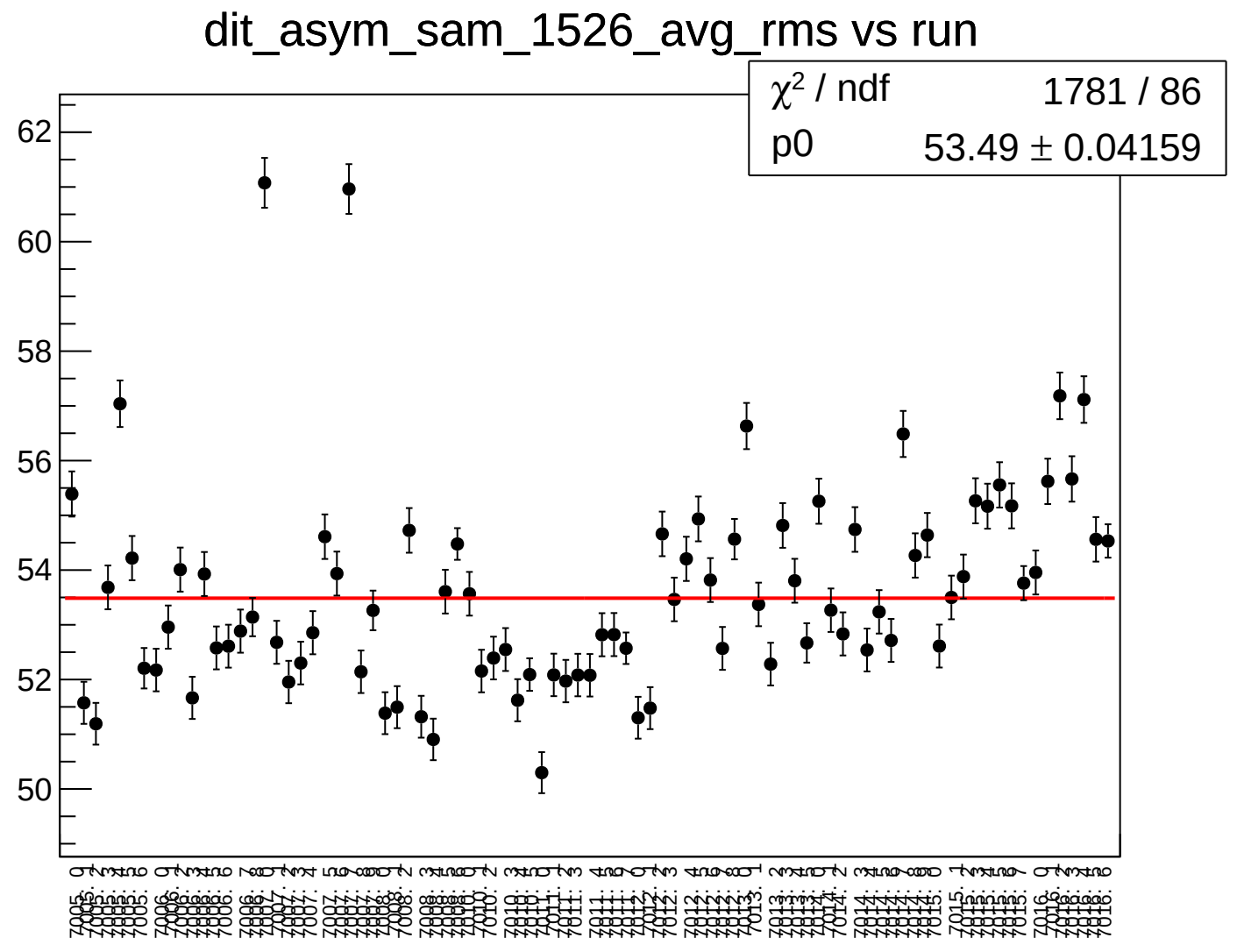

asym_sam_3748_avg_mean vs run
χ² / ndf 81.9 / 86
p0 1119 ± 1002
pull
Entries 87
Mean 81.27
Std Dev 70.69

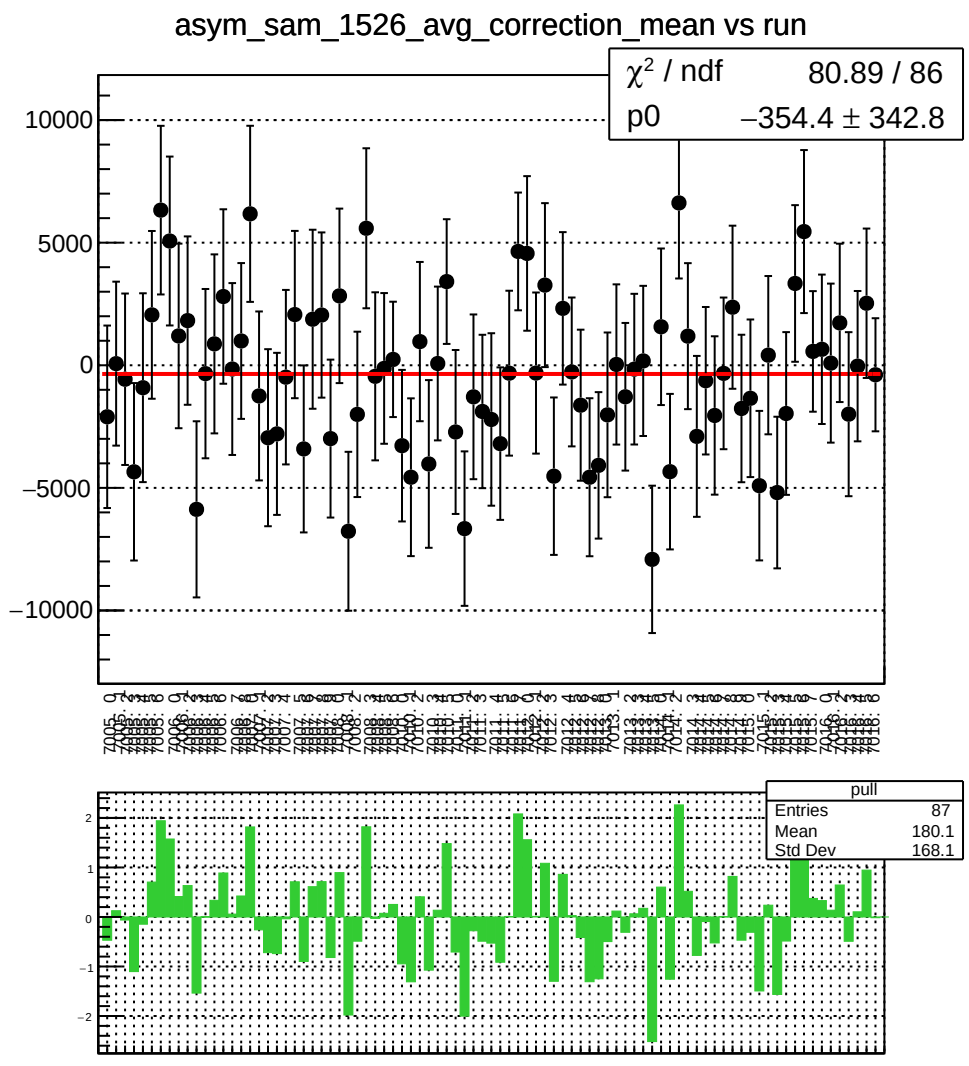

pull1D
Entries 87
Mean 0.01464
Std Dev 0.9701

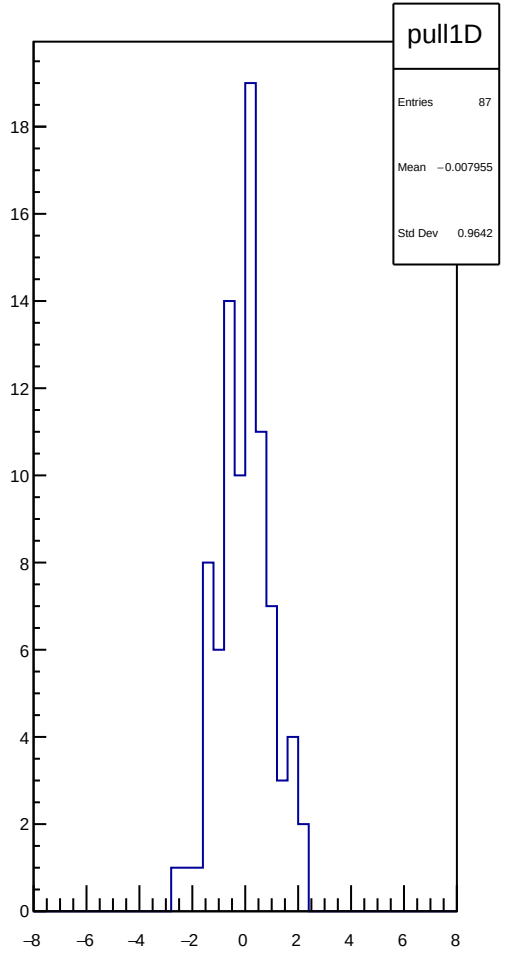

asym_sam_3748_avg_rms vs run
χ² / ndf 7275 / 86
p0 910 ± 0.7089
1050
1000
950
900
850
800

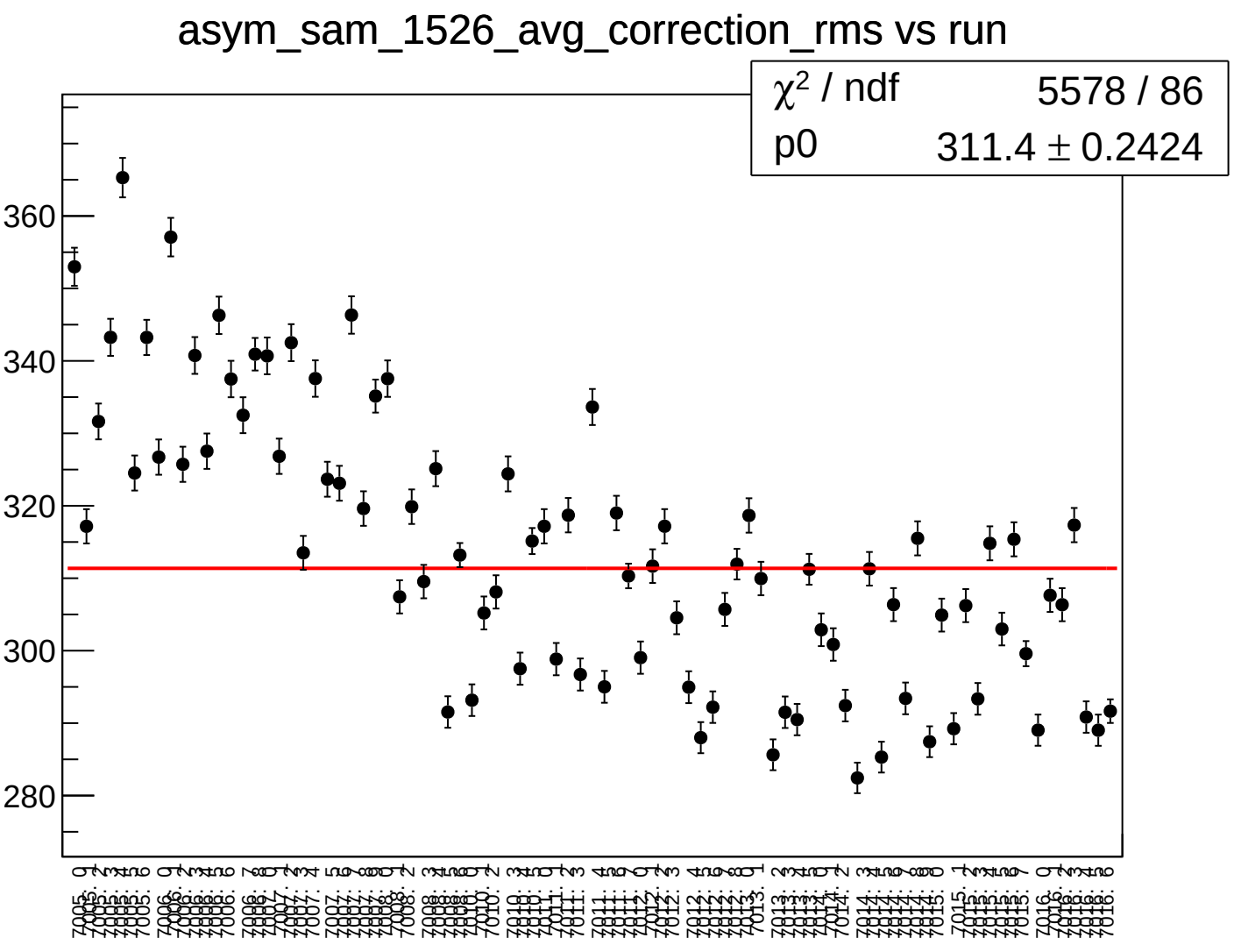

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 97.33 / 86
p0 −115.2 ± 58.82
pull
Entries 87
Mean 167.1
Std Dev 112.5

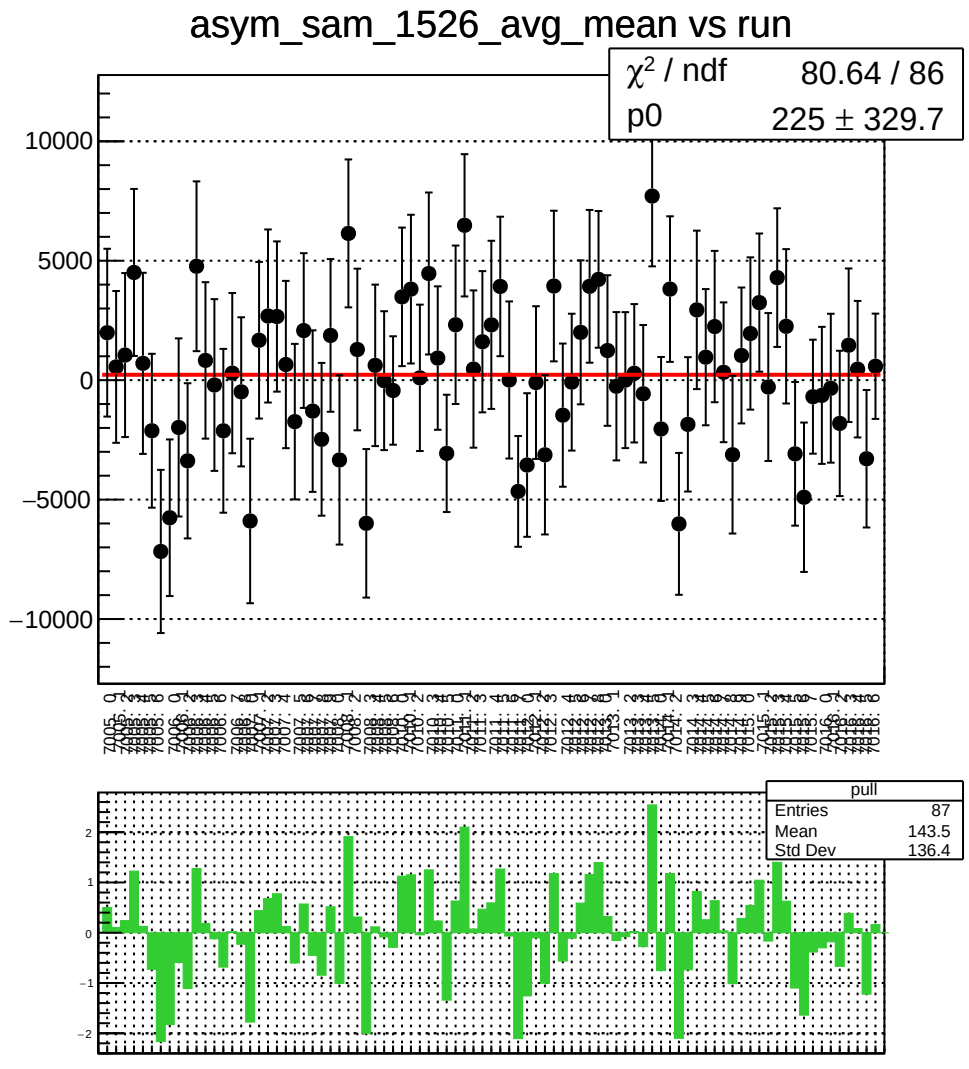

pull1D
Entries 87
Mean −0.005411
Std Dev 1.058

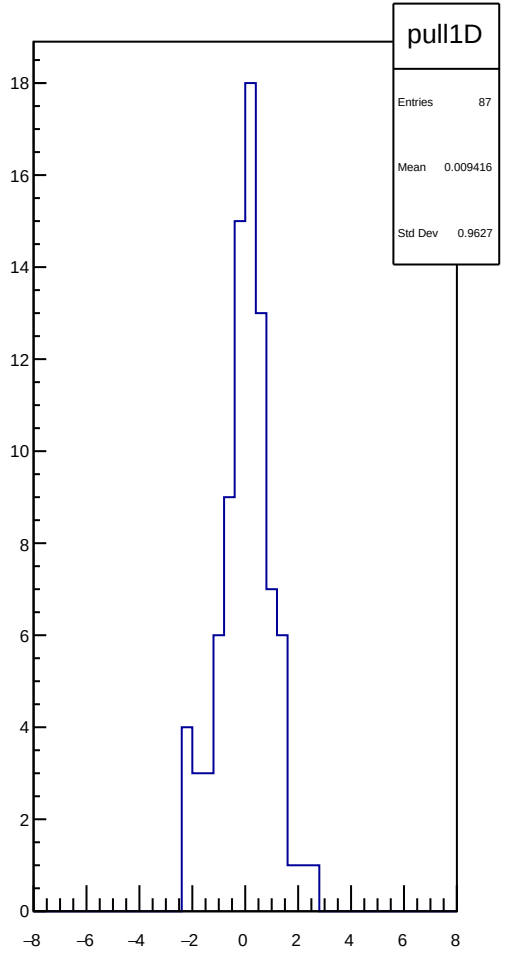

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1781 / 86
p0 53.49 ± 0.04159
62
60
58
56
54
52
50

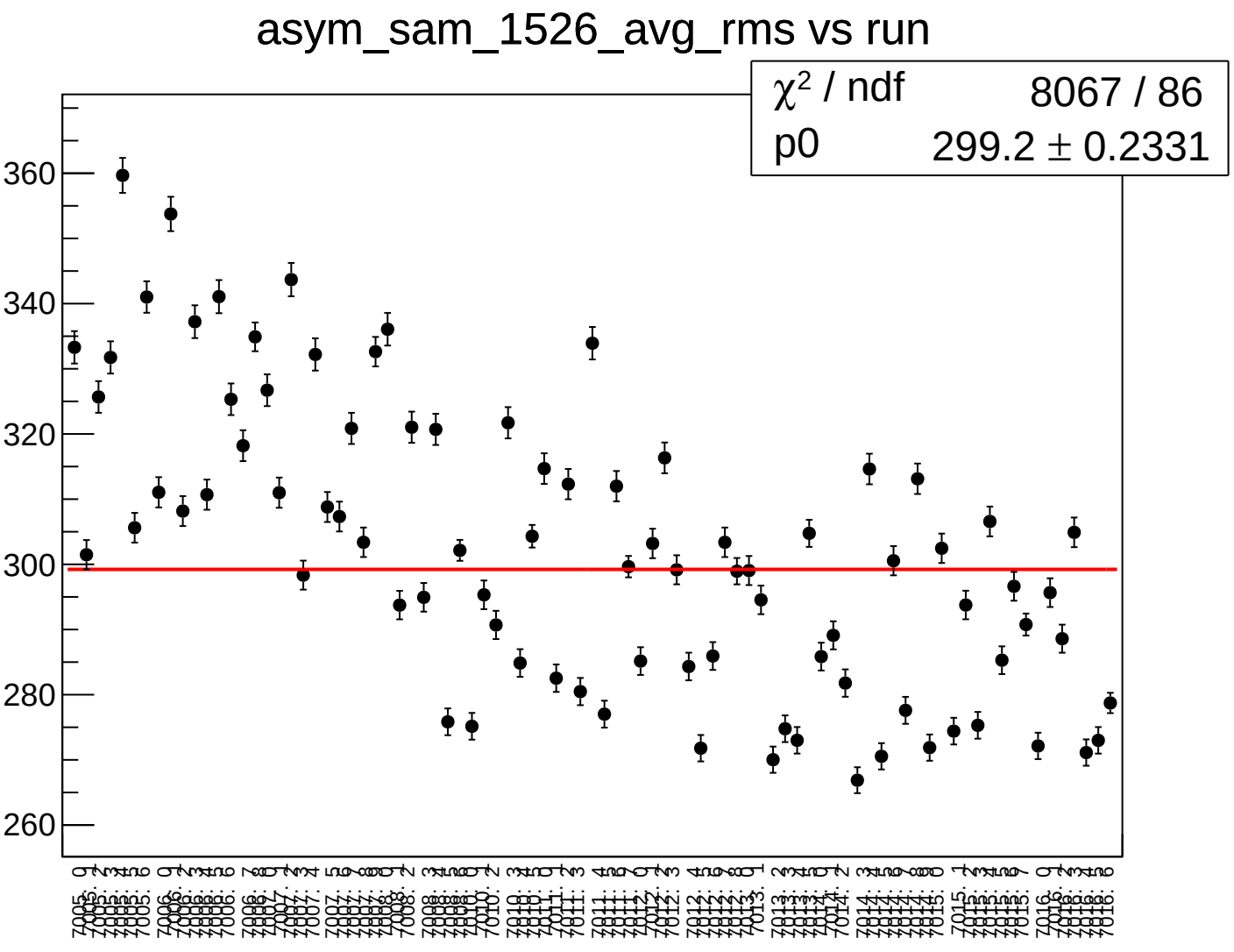

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 80.89 / 86
p0 −354.4 ± 342.8
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 180.1
Std Dev 168.1
2
1
0
−1
−2

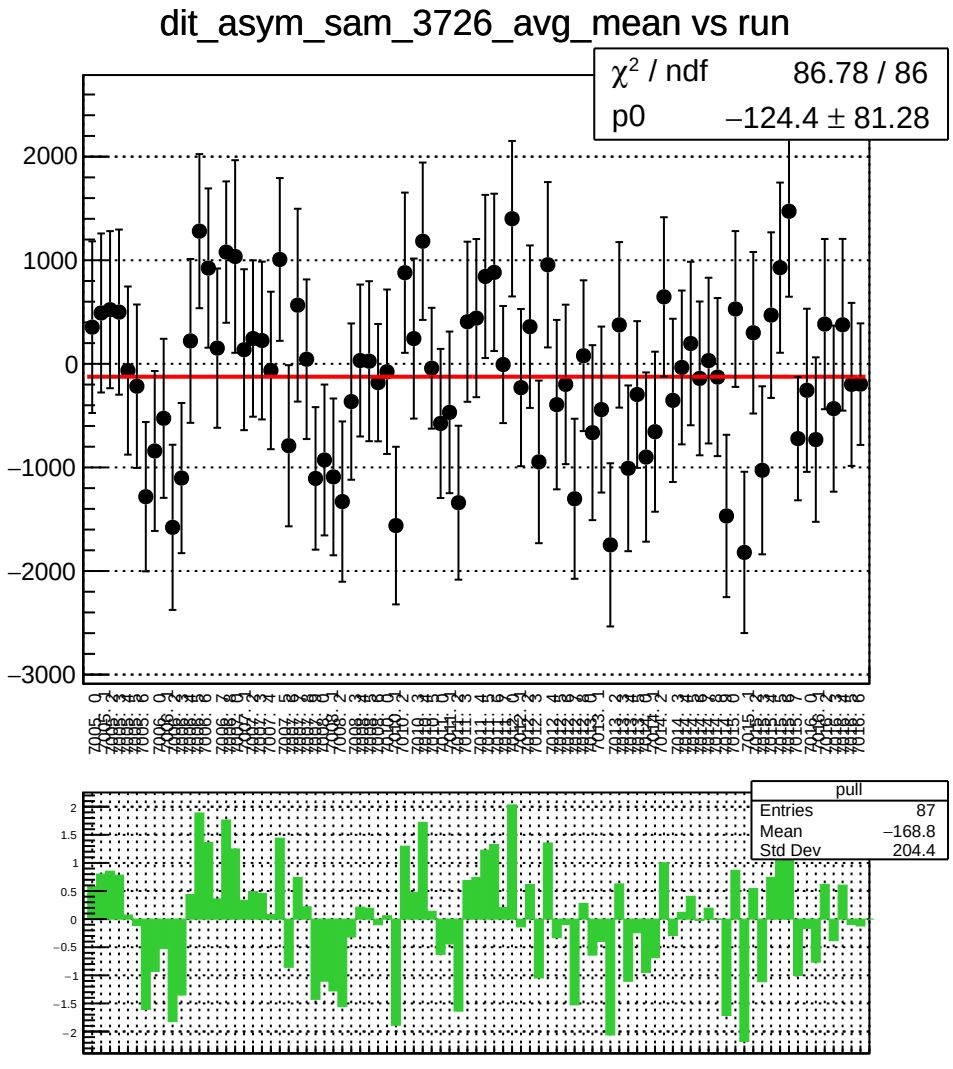

pull1D
Entries 87
Mean −0.007955
Std Dev 0.9642
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

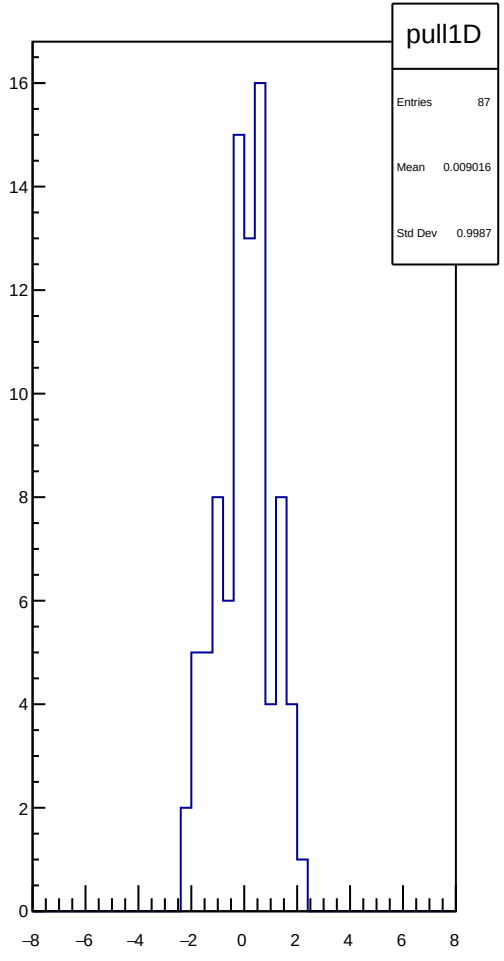

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5578 / 86
p0 311.4 ± 0.2424
360
340
320
300
280

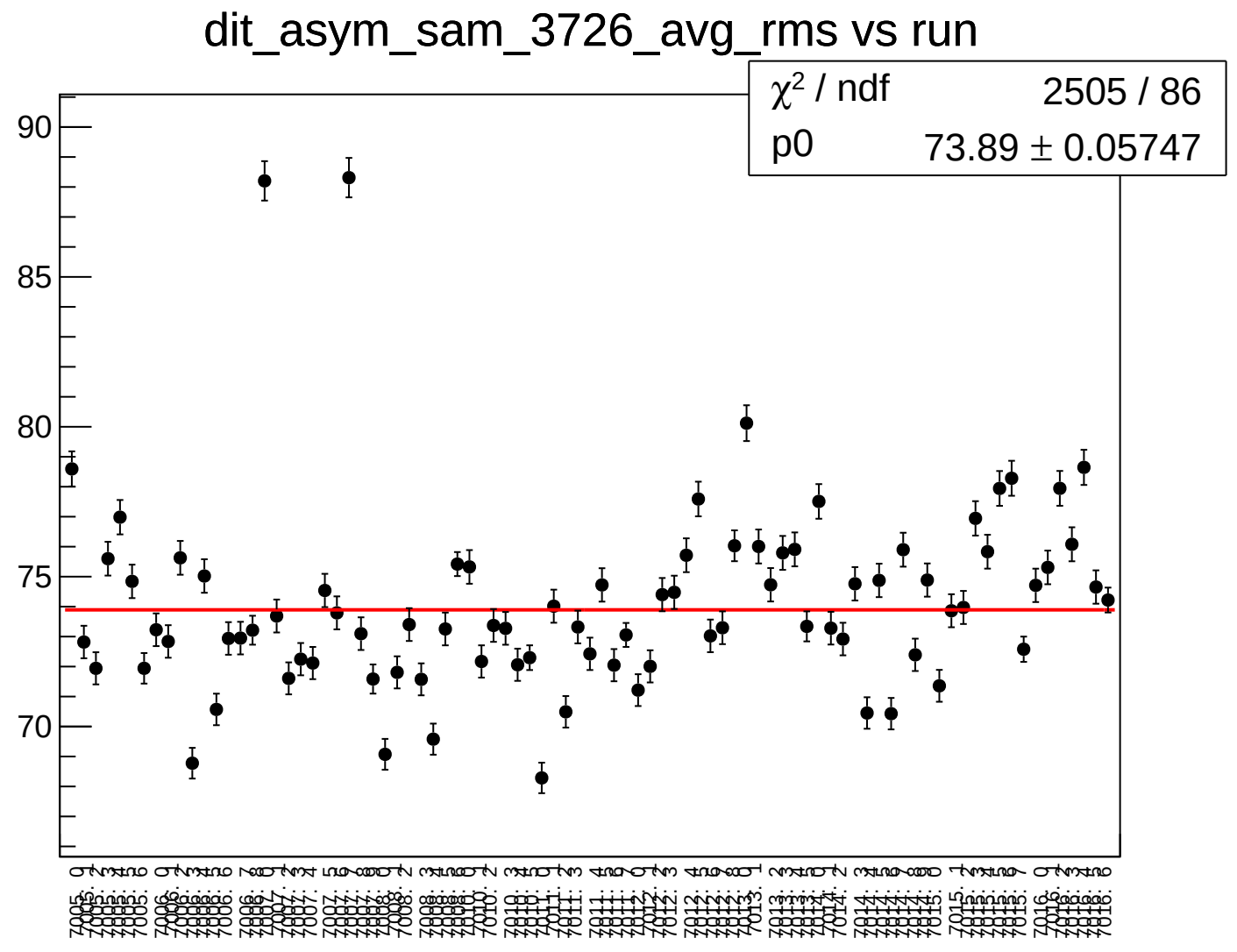

asym_sam_1526_avg_mean vs run
χ² / ndf 80.64 / 86
p0 225 ± 329.7
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 143.5
Std Dev 136.4
2
1
0
−1
−2

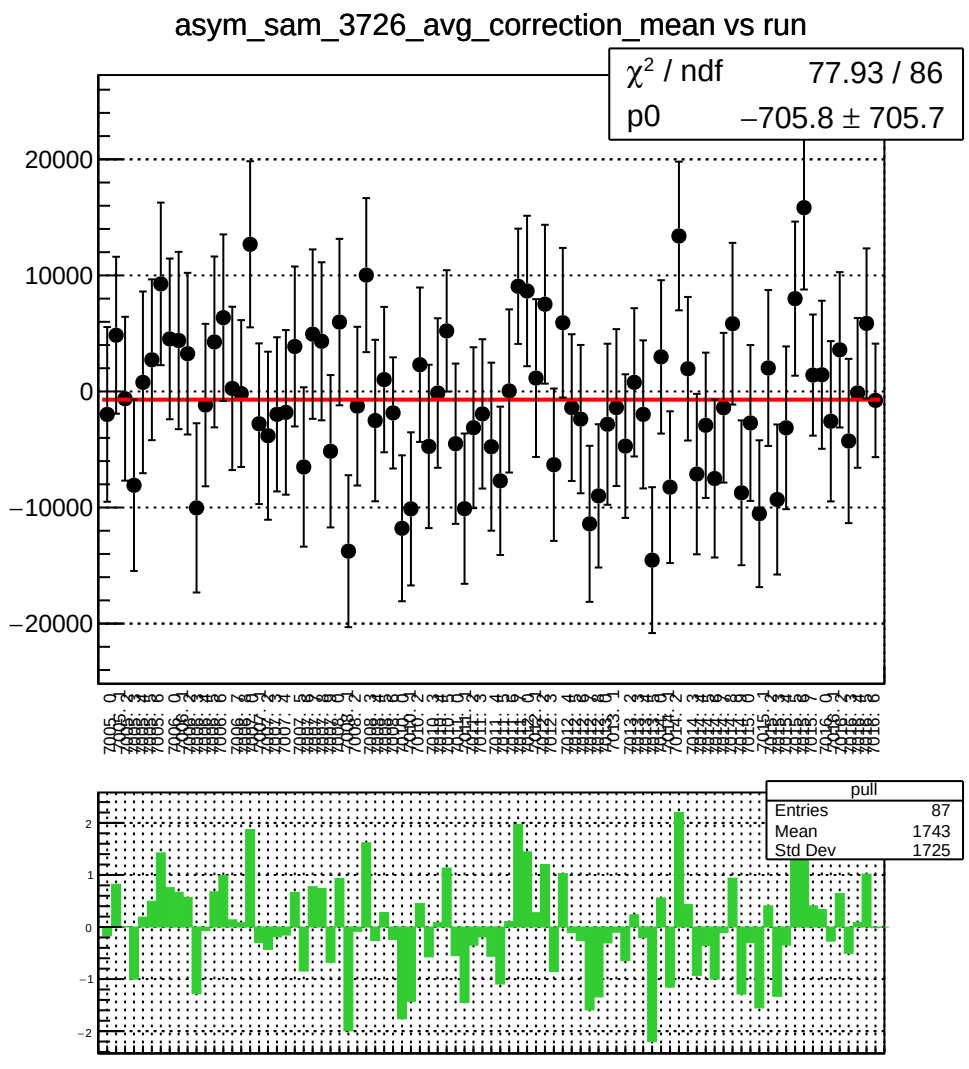

pull1D
Entries 87
Mean 0.009416
Std Dev 0.9627
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

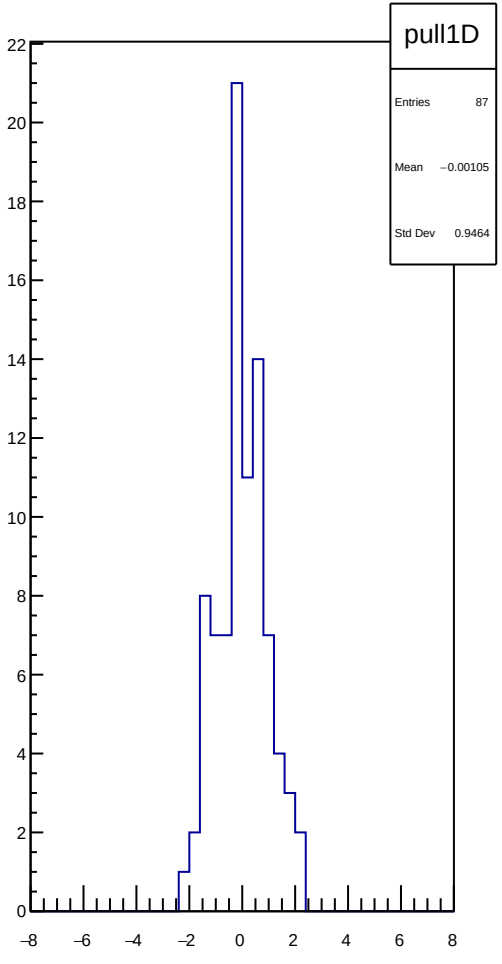

asym_sam_1526_avg_rms vs run
χ² / ndf 8067 / 86
p0 299.2 ± 0.2331
360
340
320
300
280
260

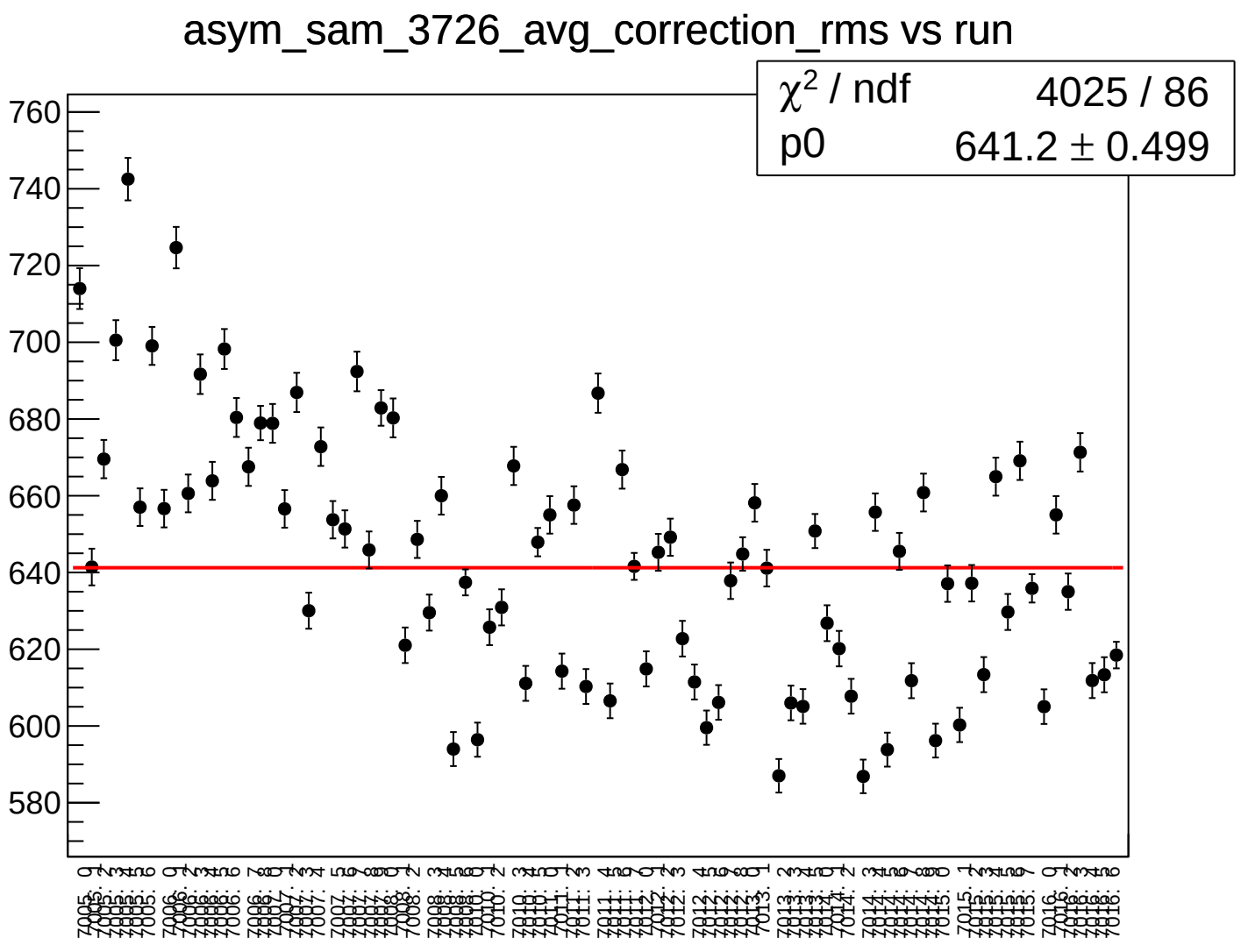

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.78 / 86
p0 −124.4 ± 81.28
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −168.8
Std Dev 204.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

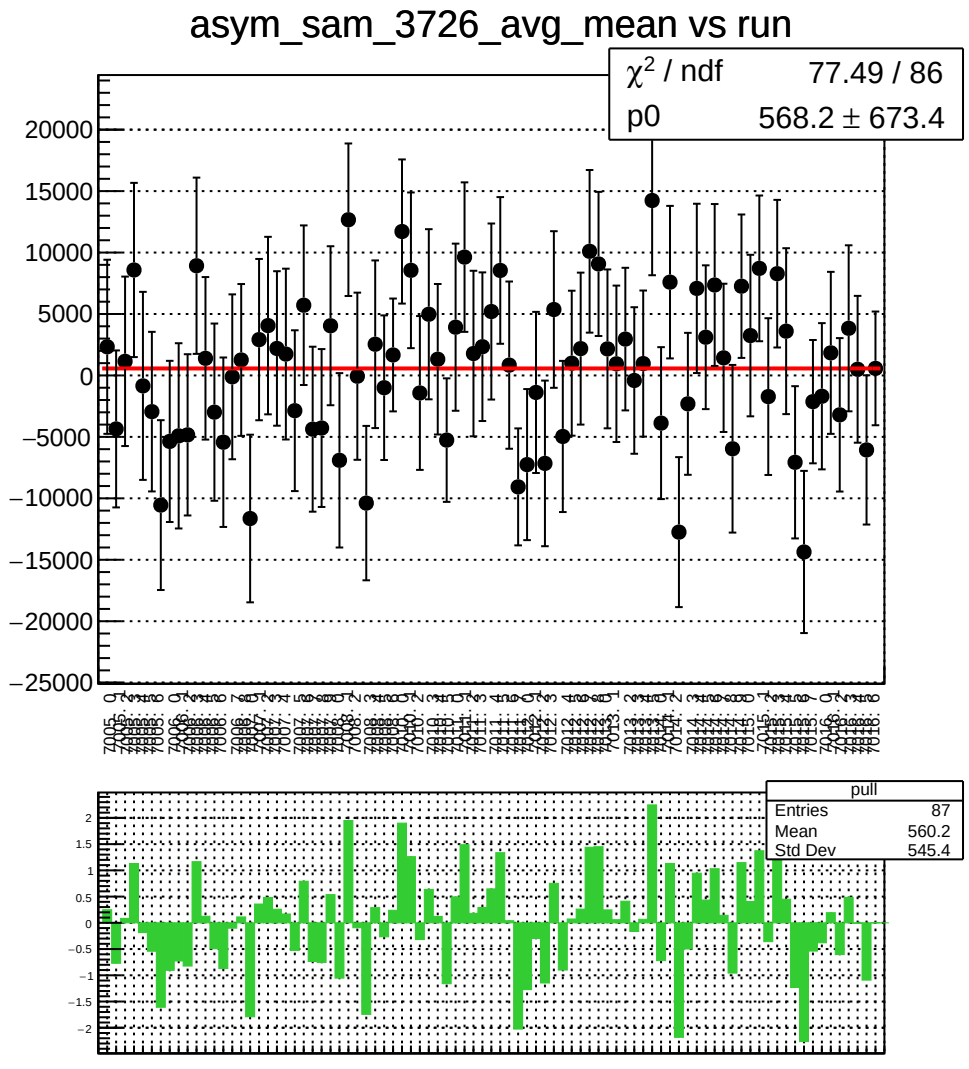

pull1D
Entries 87
Mean 0.009016
Std Dev 0.9987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

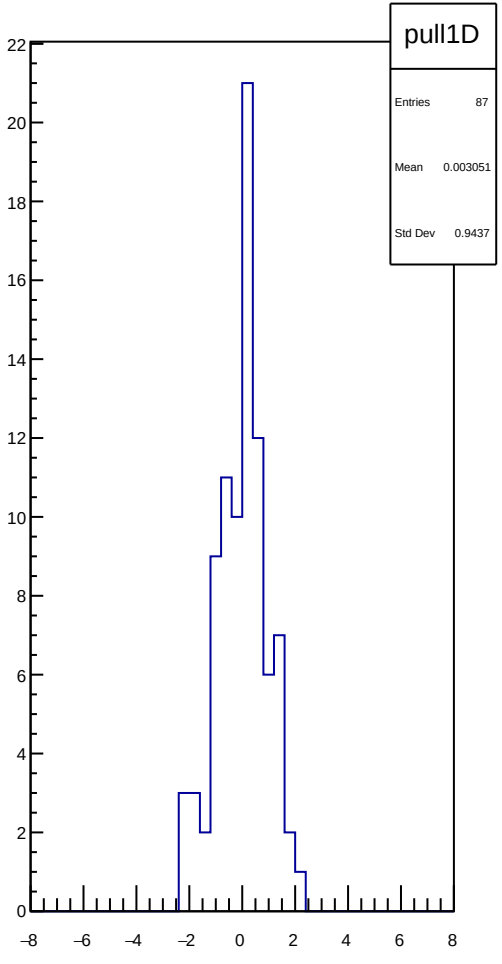

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2505 / 86
p0 73.89 ± 0.05747
90
85
80
75
70

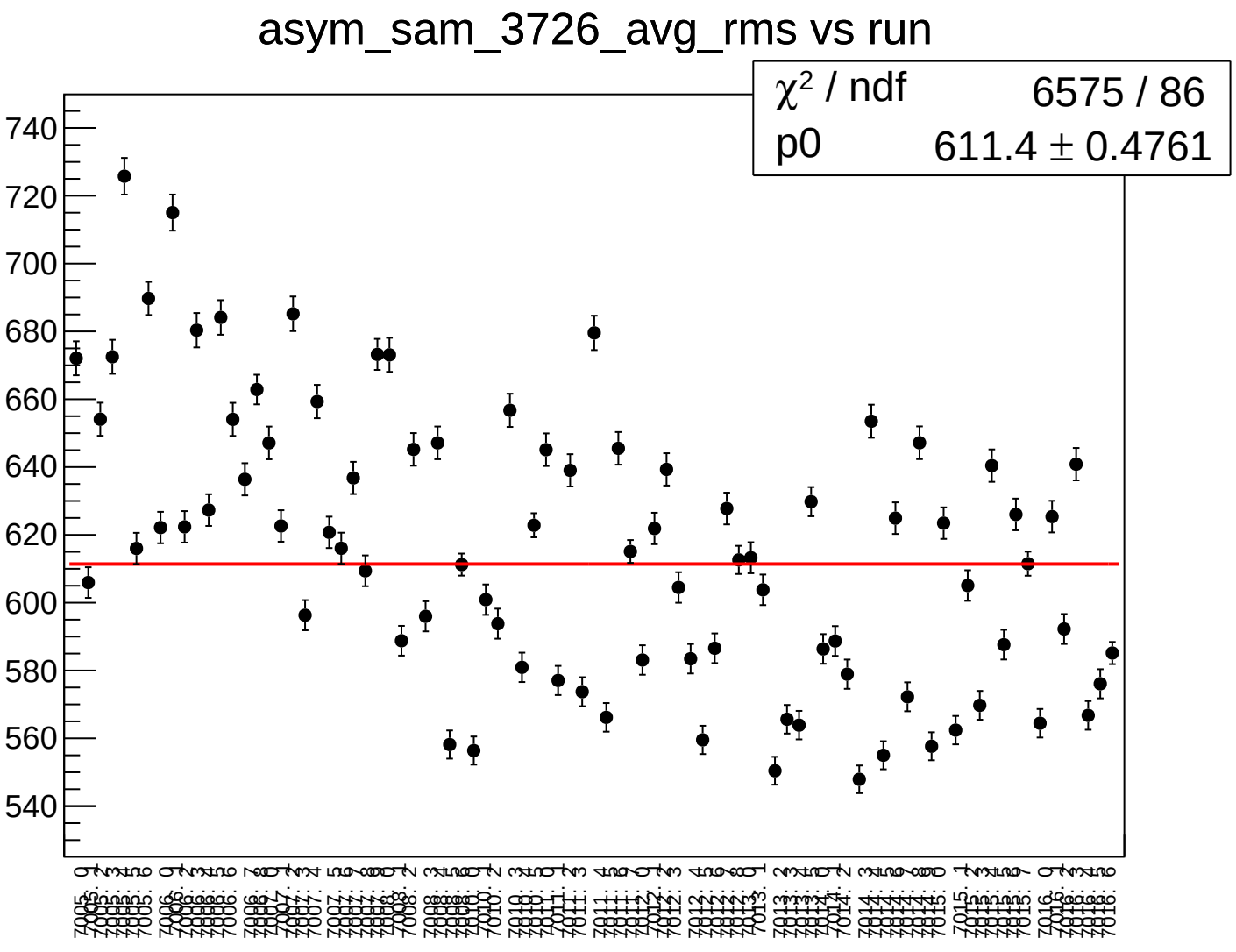

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 77.93 / 86
p0 −705.8 ± 705.7
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 1743
Std Dev 1725
2
1
0
−1
−2

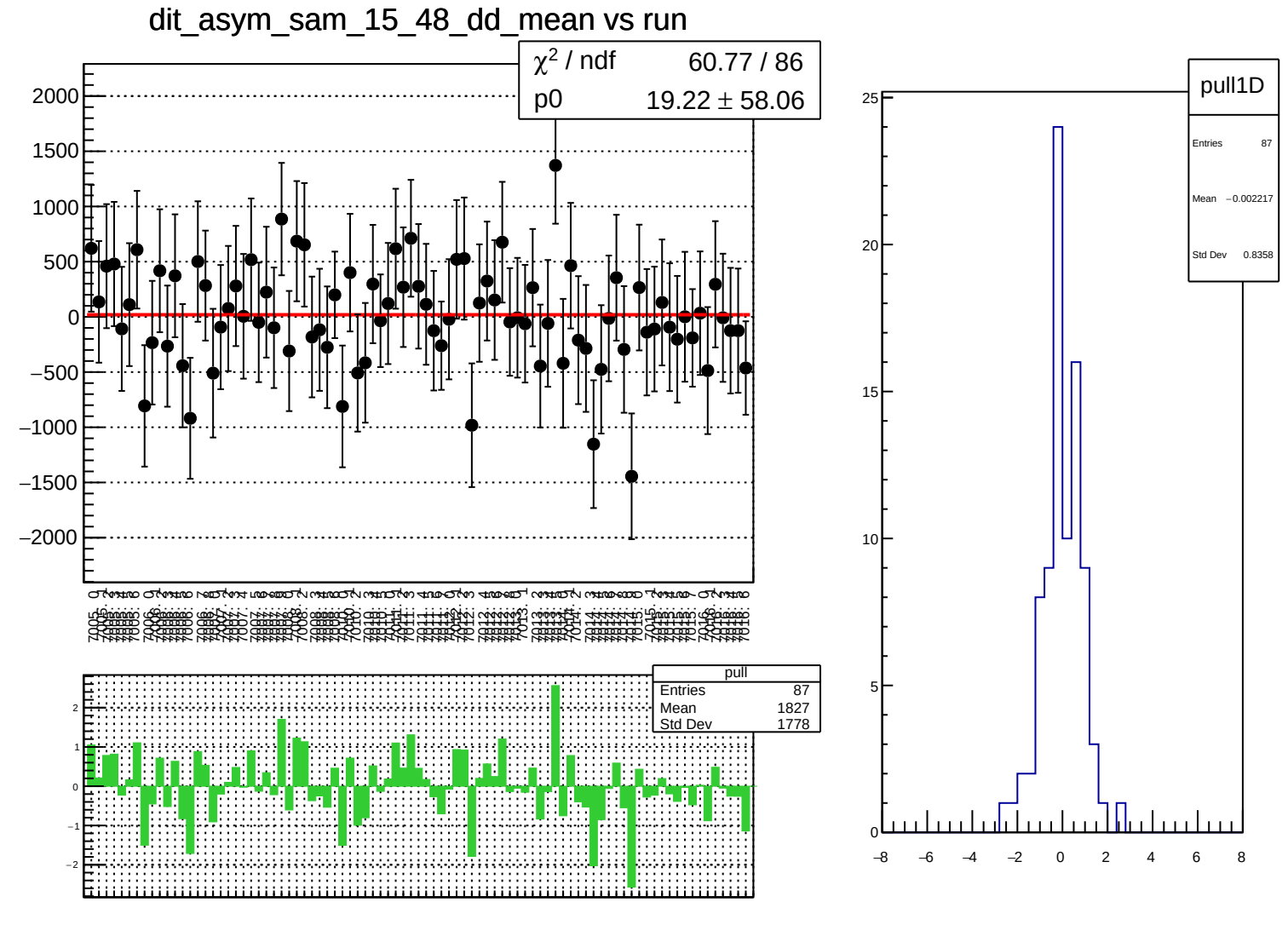

pull1D
Entries 87
Mean −0.00105
Std Dev 0.9464
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

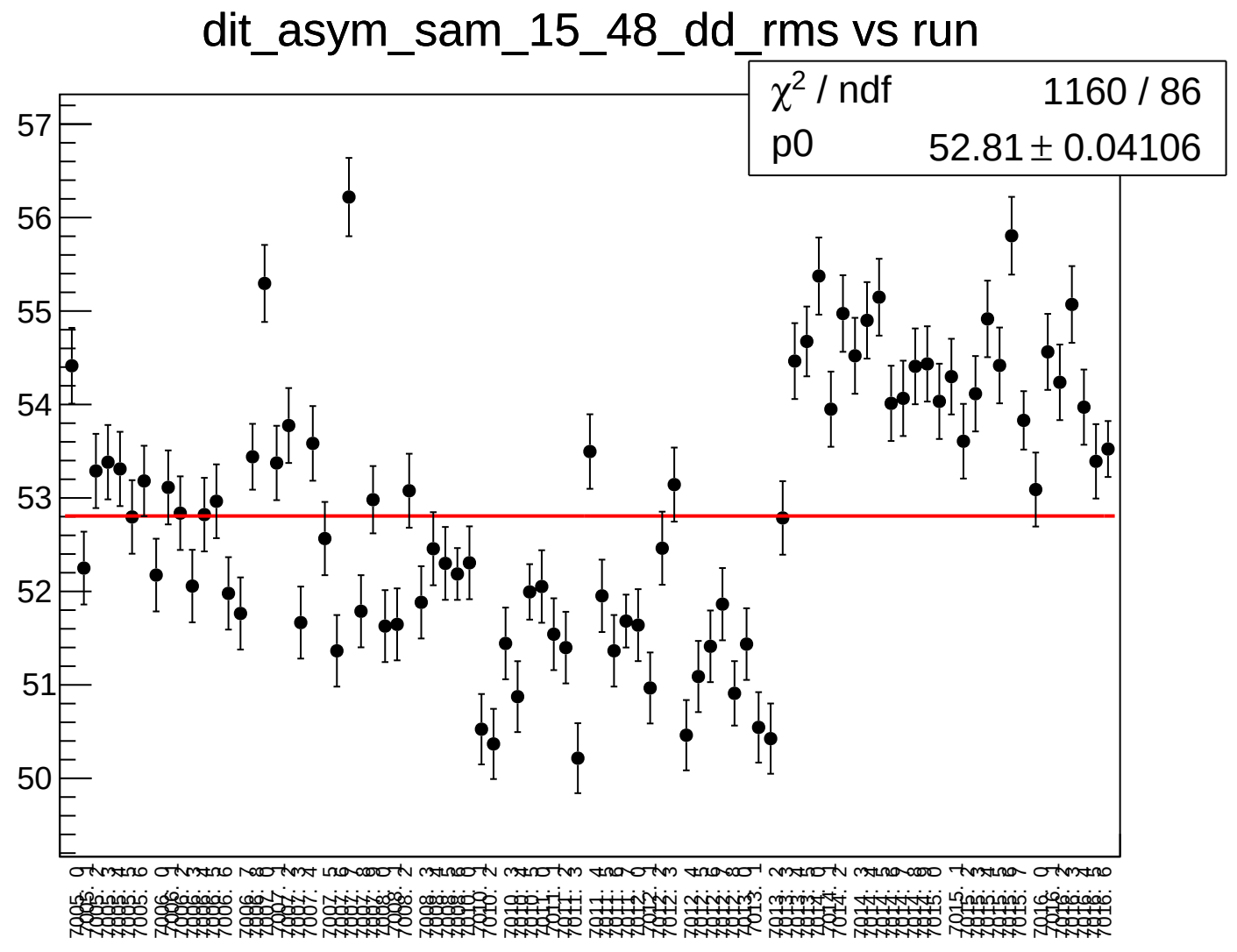

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4025 / 86
p0 641.2 ± 0.499
760
740
720
700
680
660
640
620
600
580

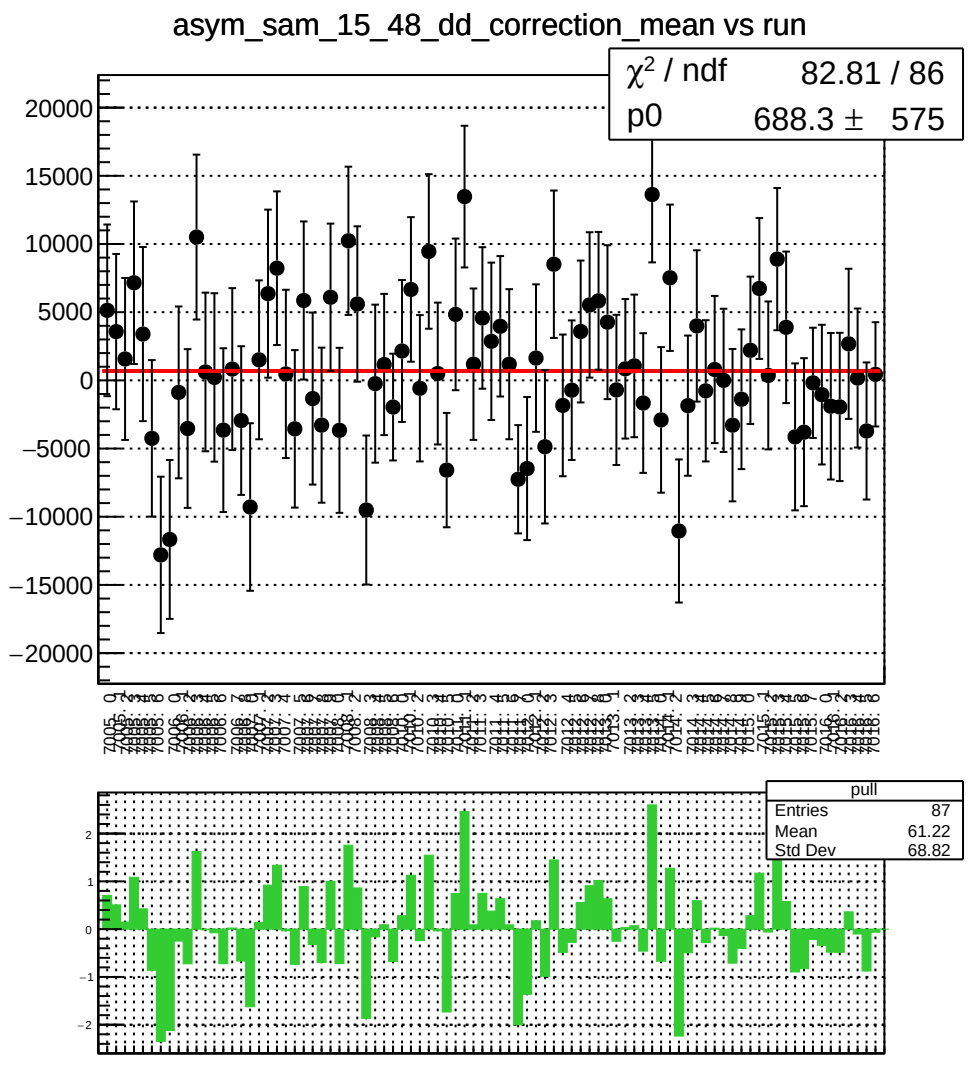

asym_sam_3726_avg_mean vs run
χ² / ndf 77.49 / 86
p0 568.2 ± 673.4
pull
Entries 87
Mean 560.2
Std Dev 545.4

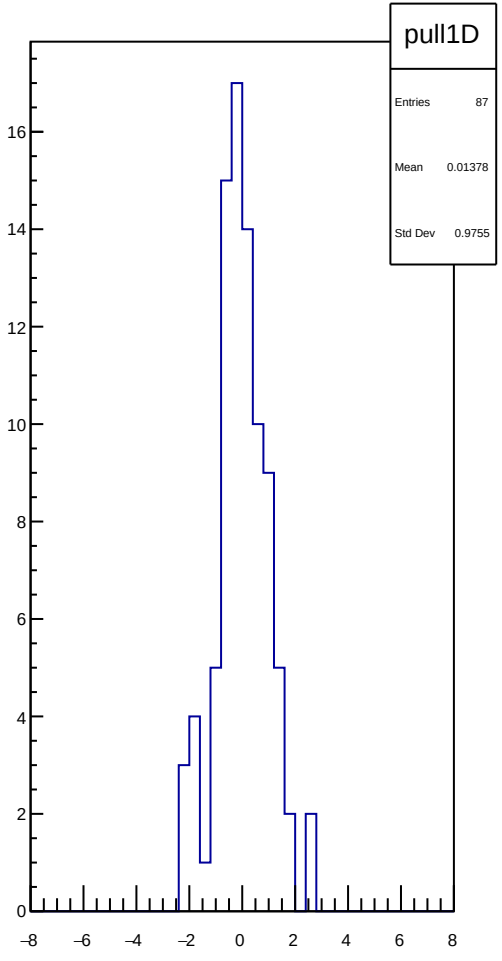

pull1D
Entries 87
Mean 0.003051
Std Dev 0.9437

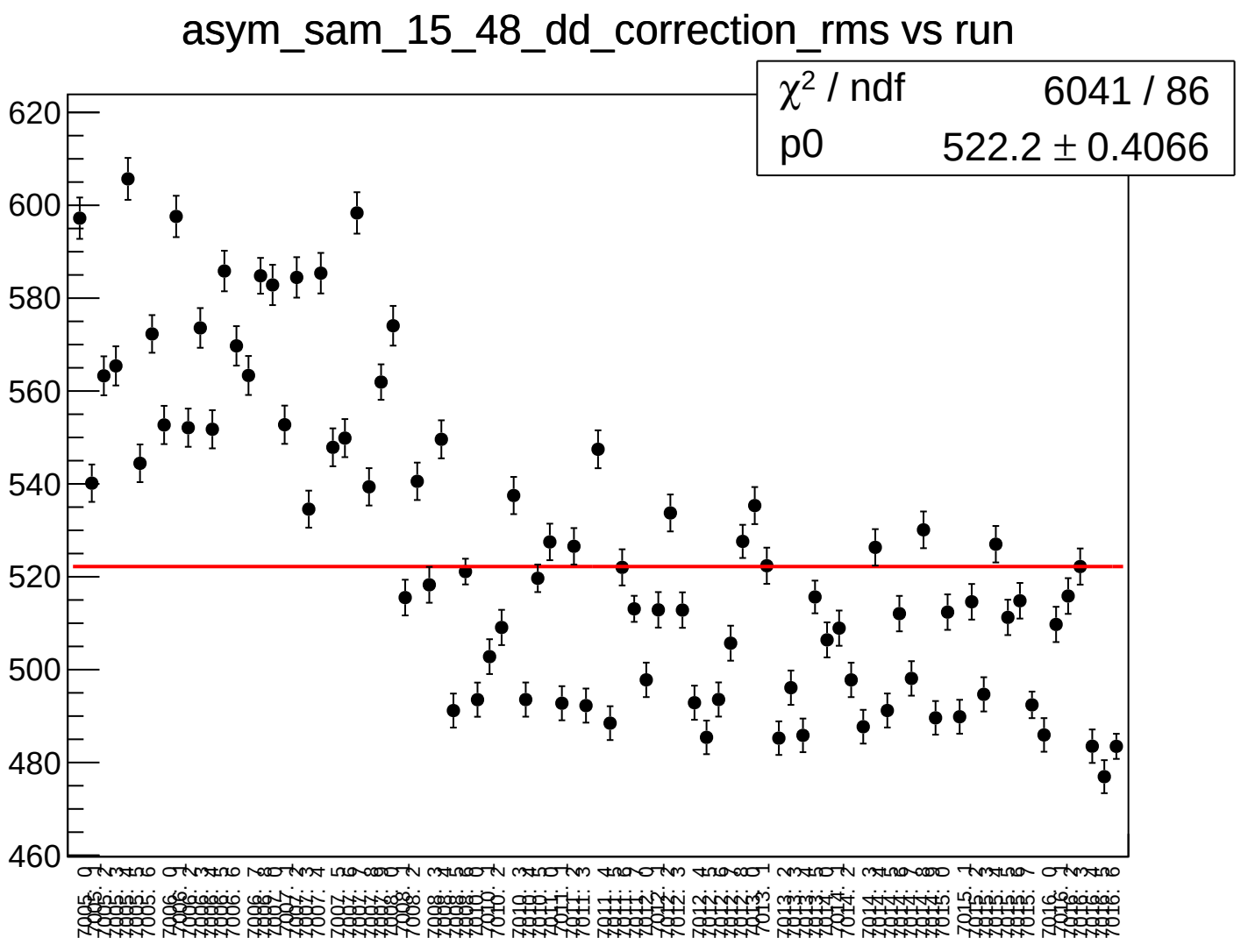

asym_sam_3726_avg_rms vs run
χ² / ndf 6575 / 86
p0 611.4 ± 0.4761
740
720
700
680
660
640
620
600
580
560
540

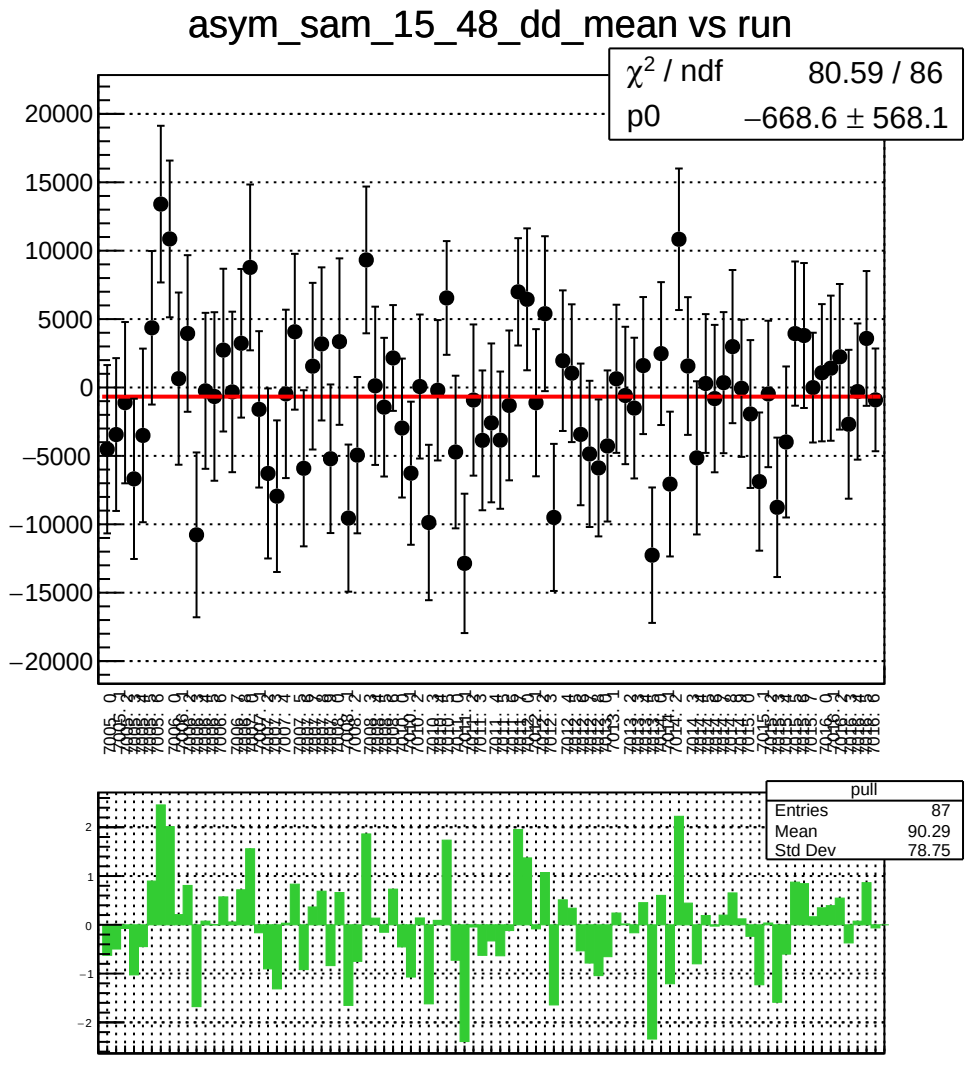

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 60.77 / 86
p0 19.22 ± 58.06
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 87
Mean 1827
Std Dev 1778
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.002217
Std Dev 0.8358
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

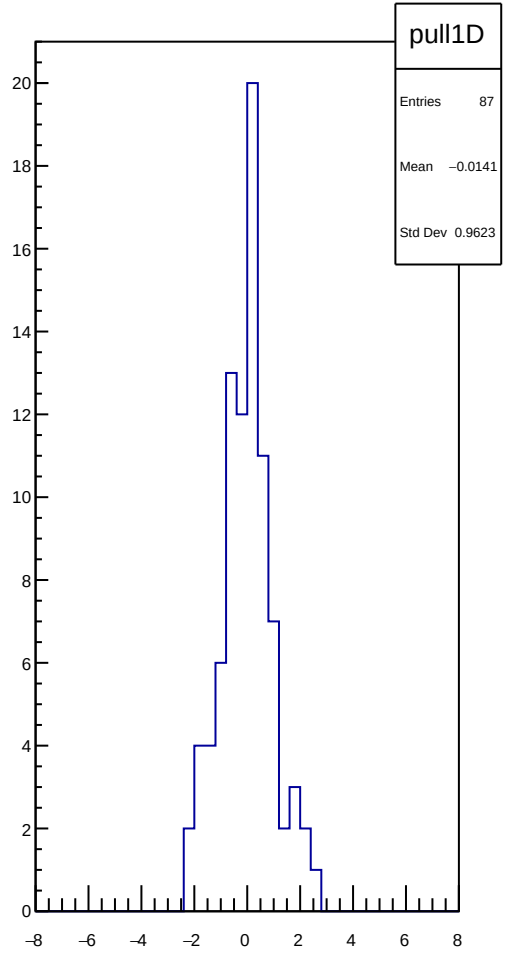

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1160 / 86
p0 52.81 ± 0.04106
57
56
55
54
53
52
51
50

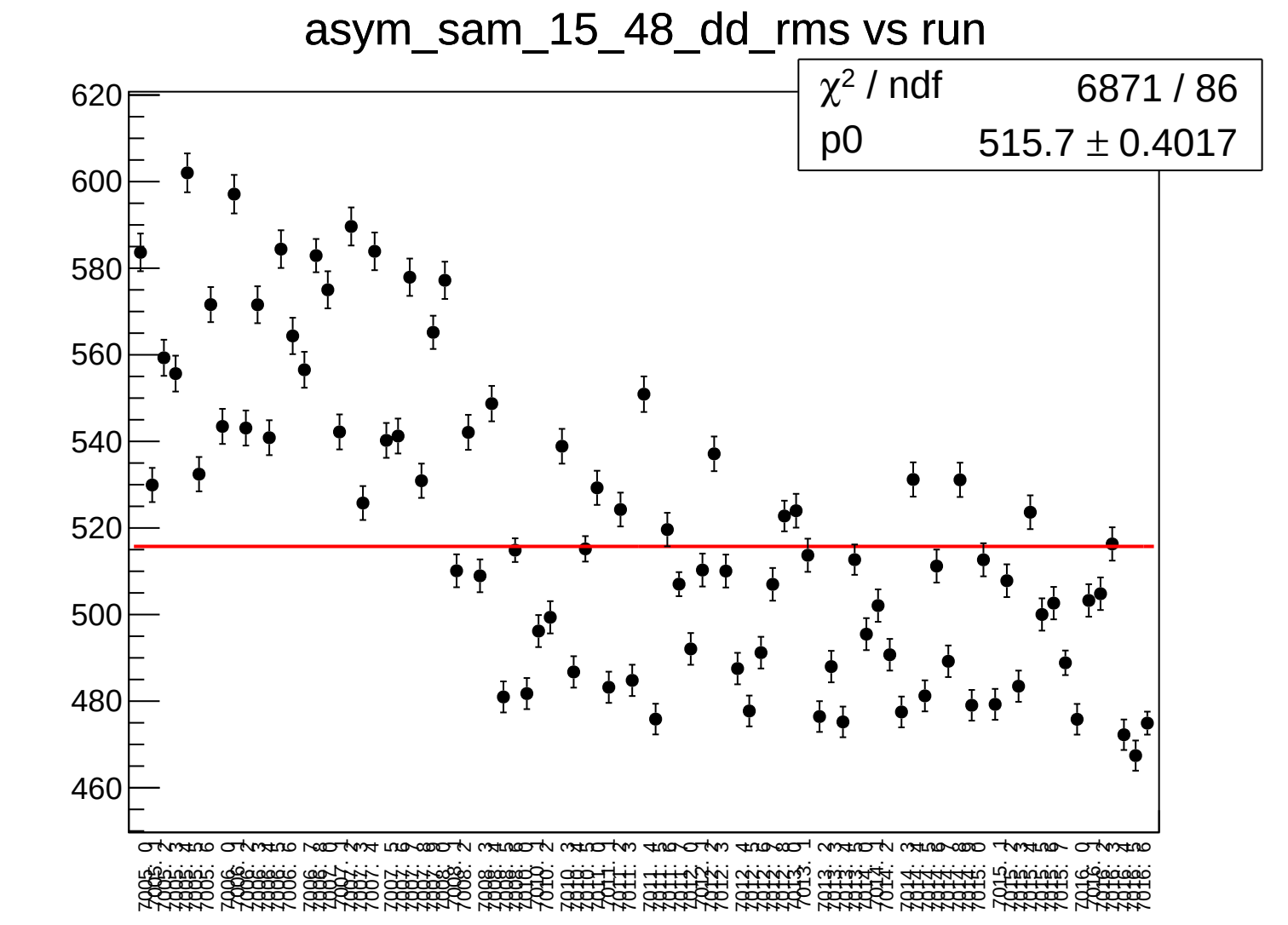

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 82.81 / 86
p0 688.3 ± 575
pull
Entries 87
Mean 61.22
Std Dev 68.82

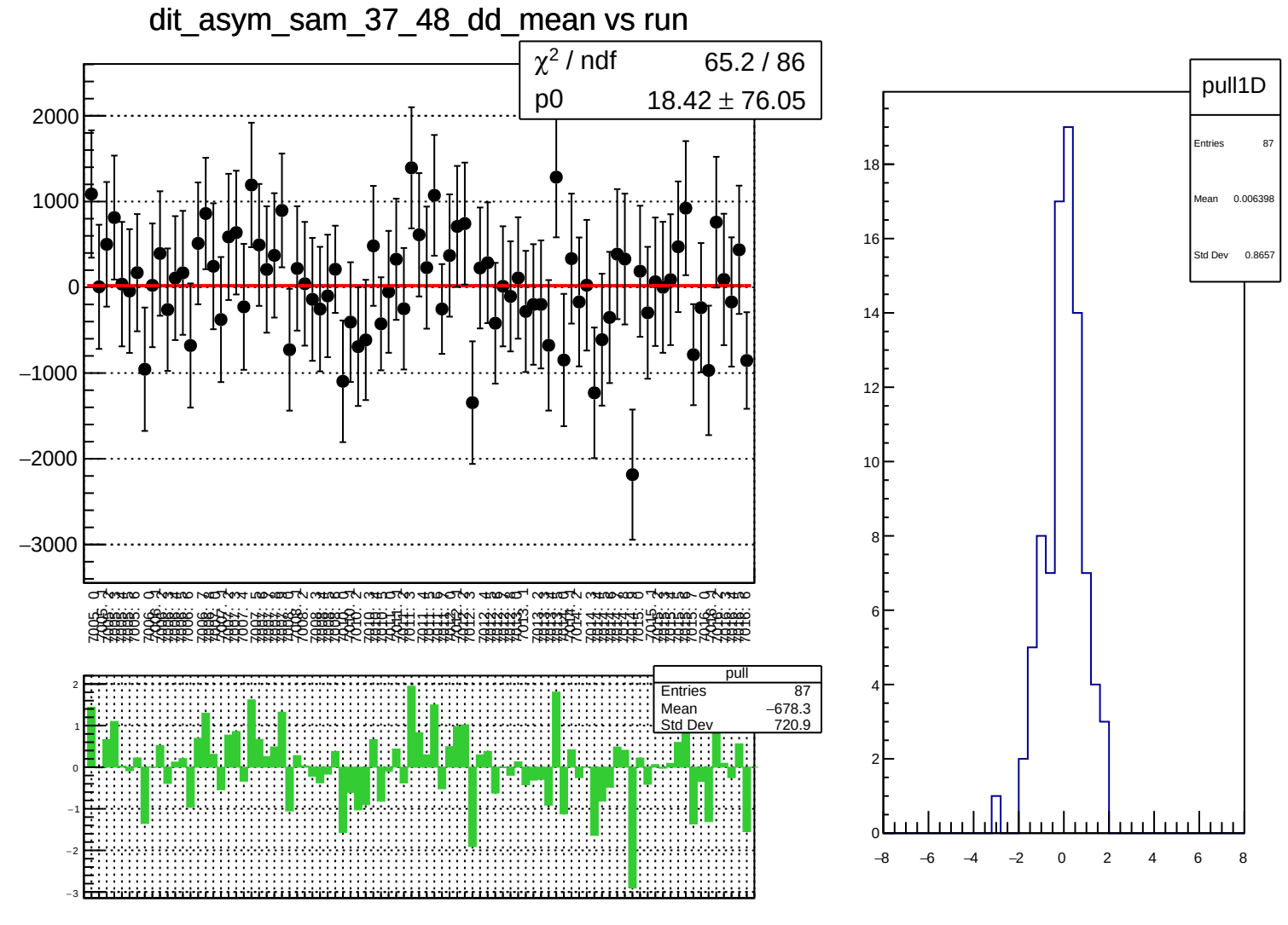

pull1D
Entries 87
Mean 0.01378
Std Dev 0.9755

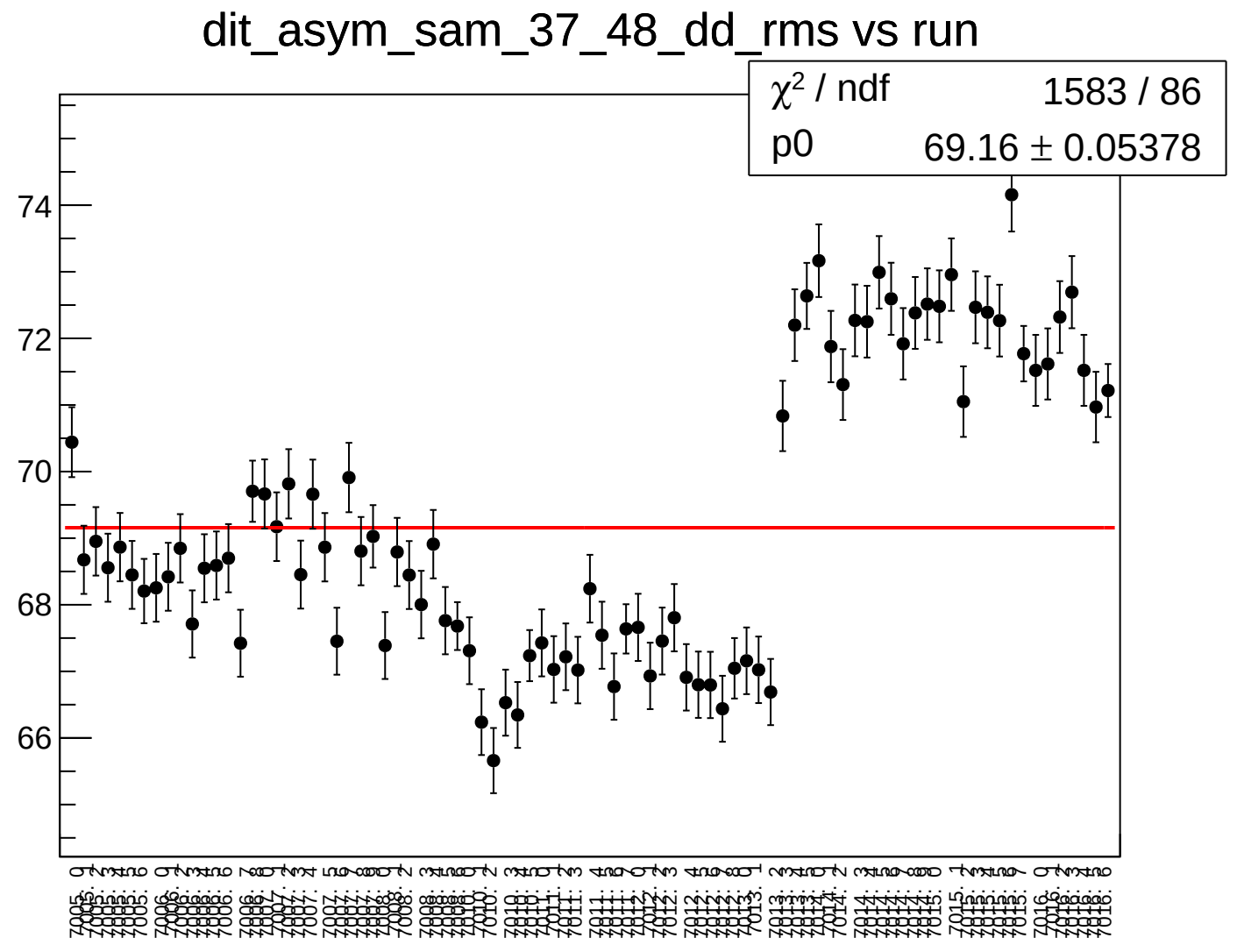

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6041 / 86
p0 522.2 ± 0.4066
620
600
580
560
540
520
500
480
460

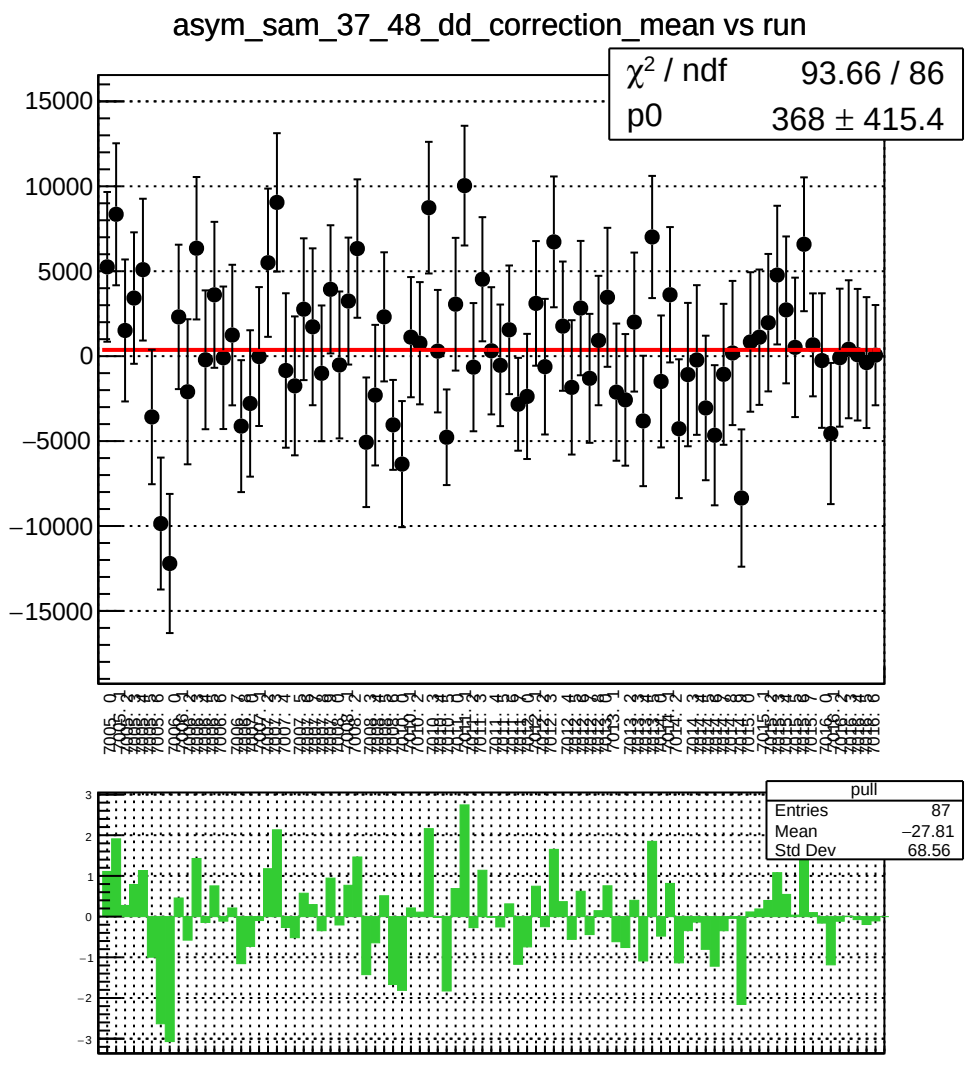

asym_sam_15_48_dd_mean vs run
χ² / ndf 80.59 / 86
p0 −668.6 ± 568.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean 90.29
Std Dev 78.75
2
1
0
−1
−2

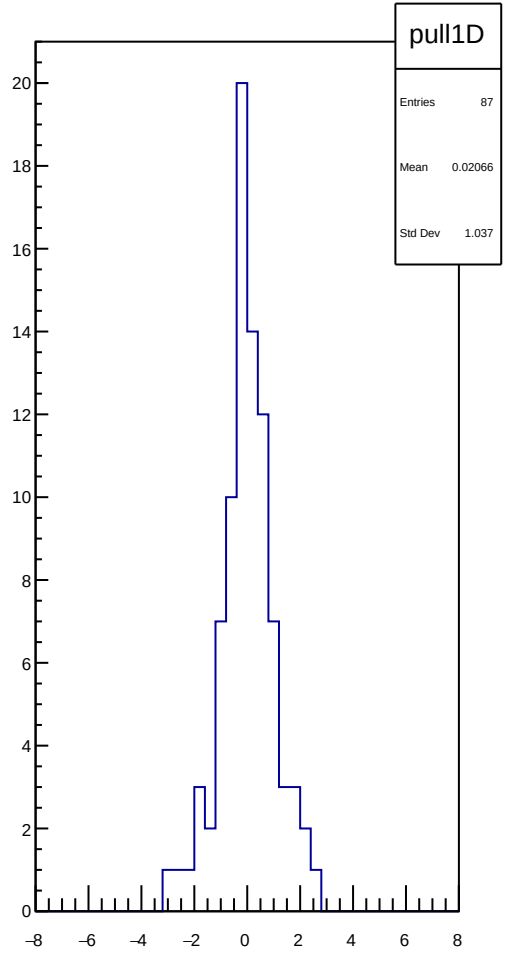

pull1D
Entries 87
Mean −0.0141
Std Dev 0.9623
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

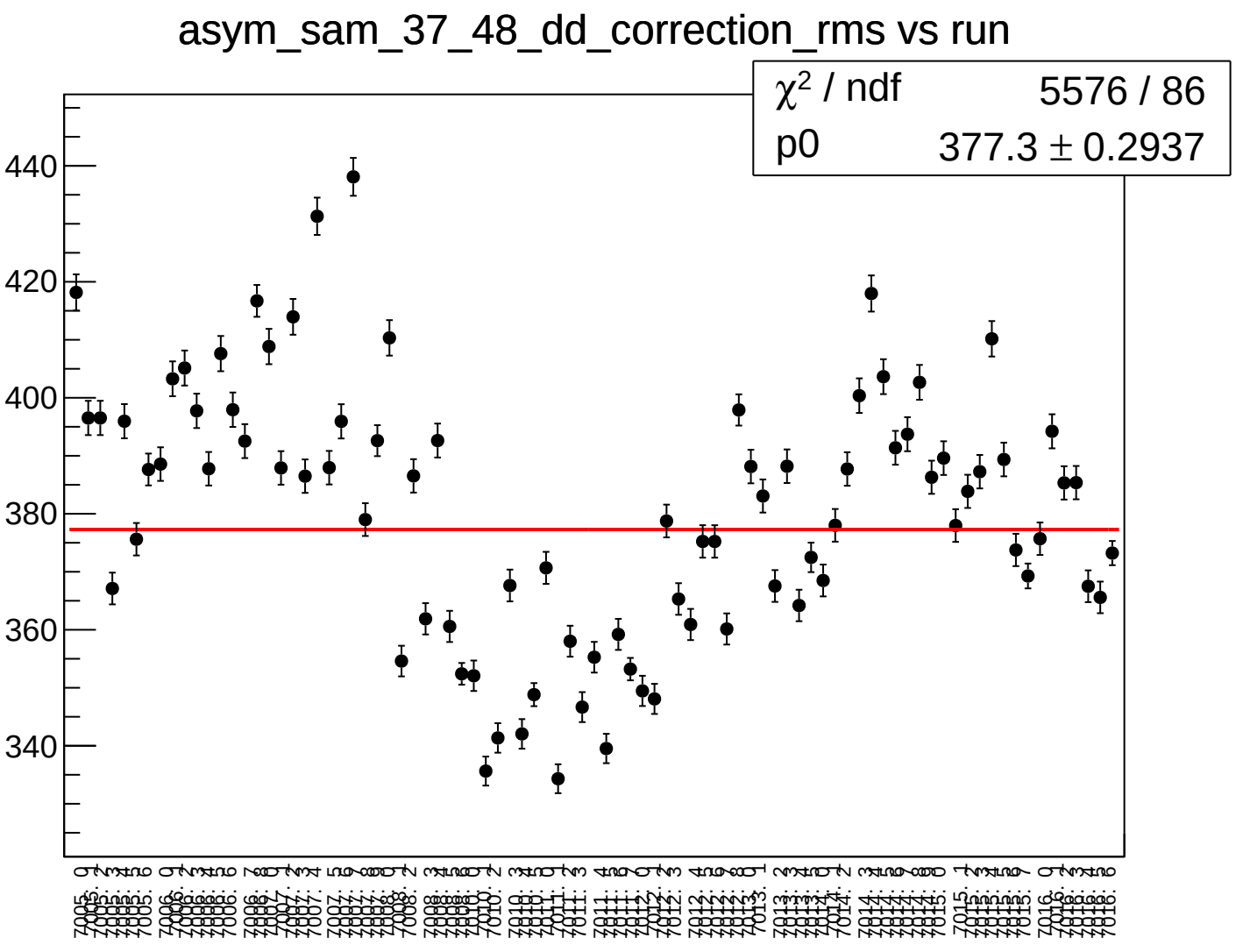

asym_sam_15_48_dd_rms vs run
χ² / ndf 6871 / 86
p0 515.7 ± 0.4017
620
600
580
560
540
520
500
480
460

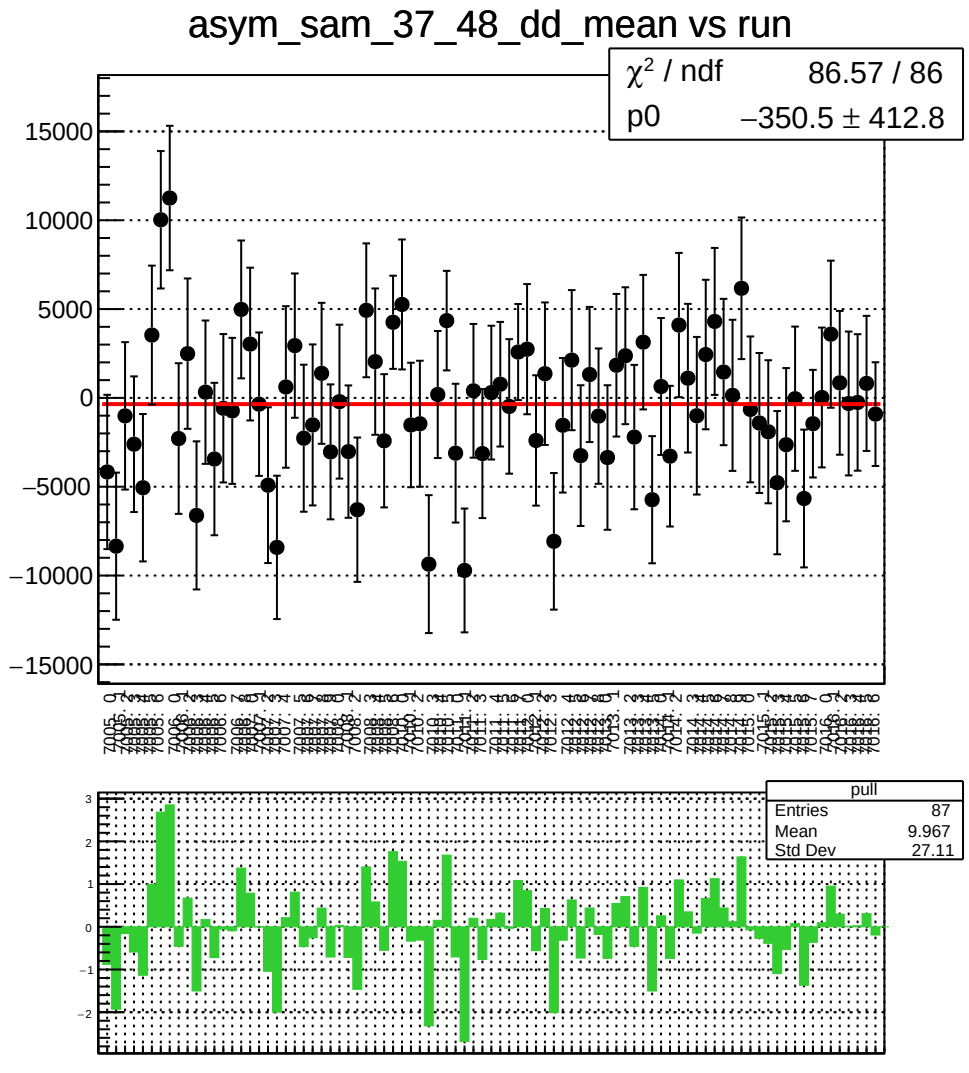

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.2 / 86
p0 18.42 ± 76.05
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −678.3
Std Dev 720.9
pull1D
Entries 87
Mean 0.006398
Std Dev 0.8657
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

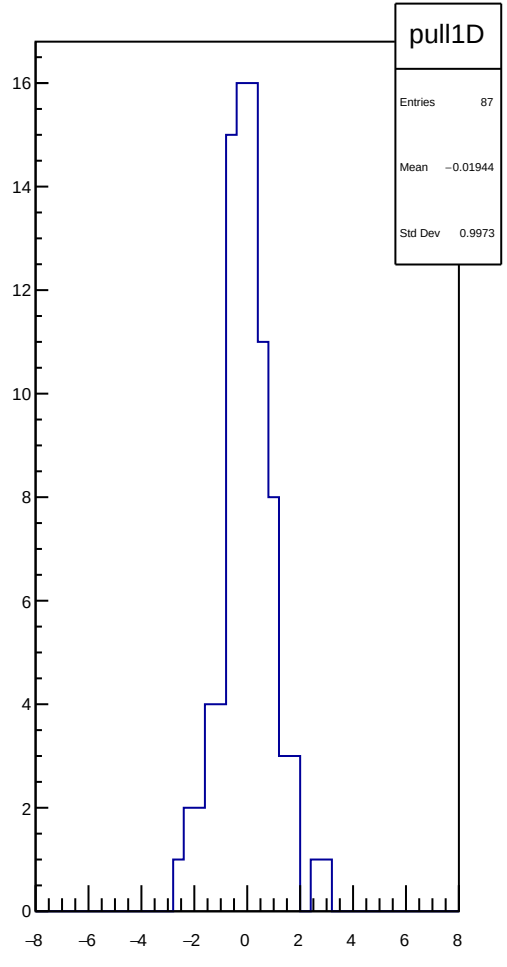

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1583 / 86
p0 69.16 ± 0.05378
74
72
70
68
66

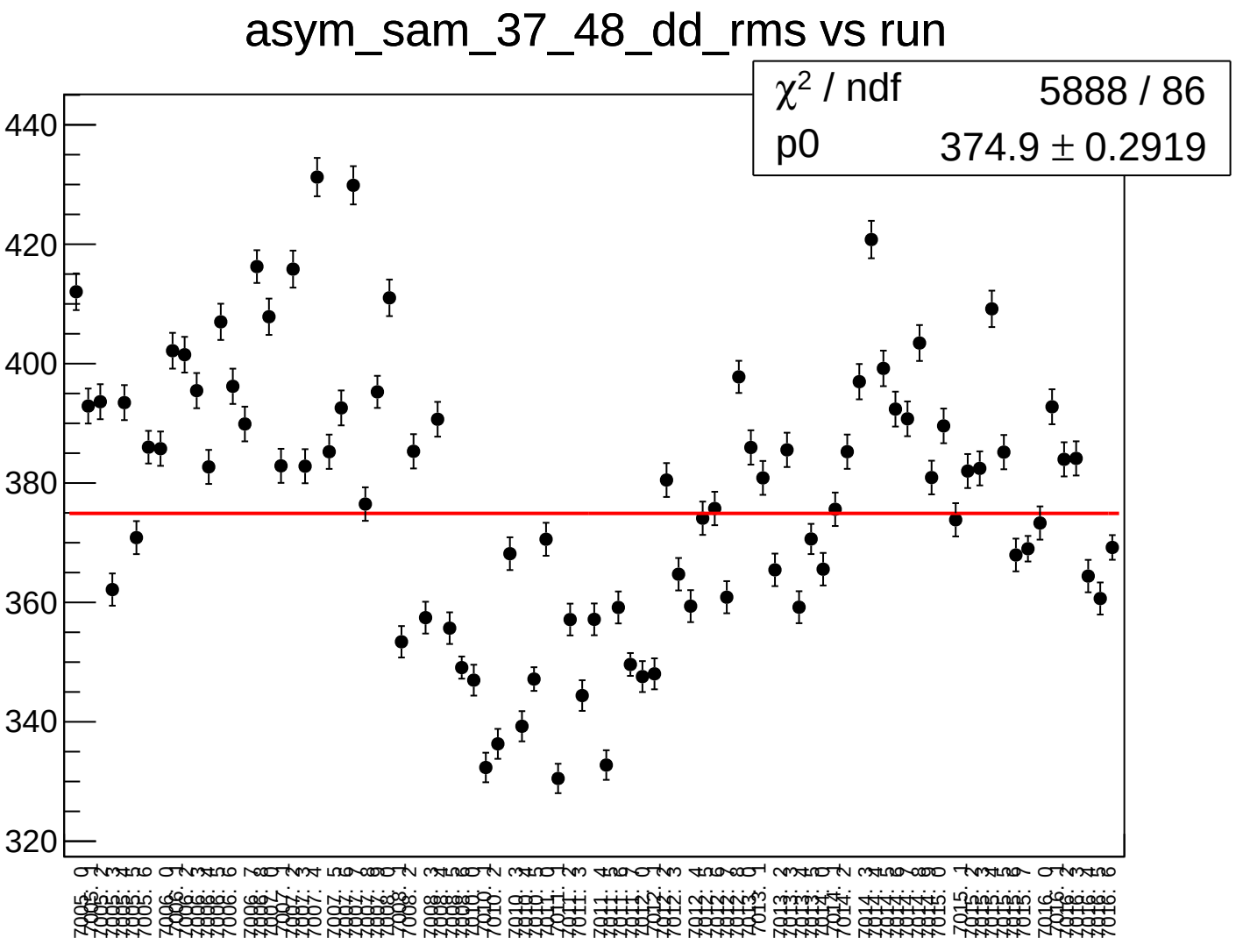

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 93.66 / 86
p0 368 ± 415.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −27.81
Std Dev 68.56
3
2
1
0
−1
−2
−3

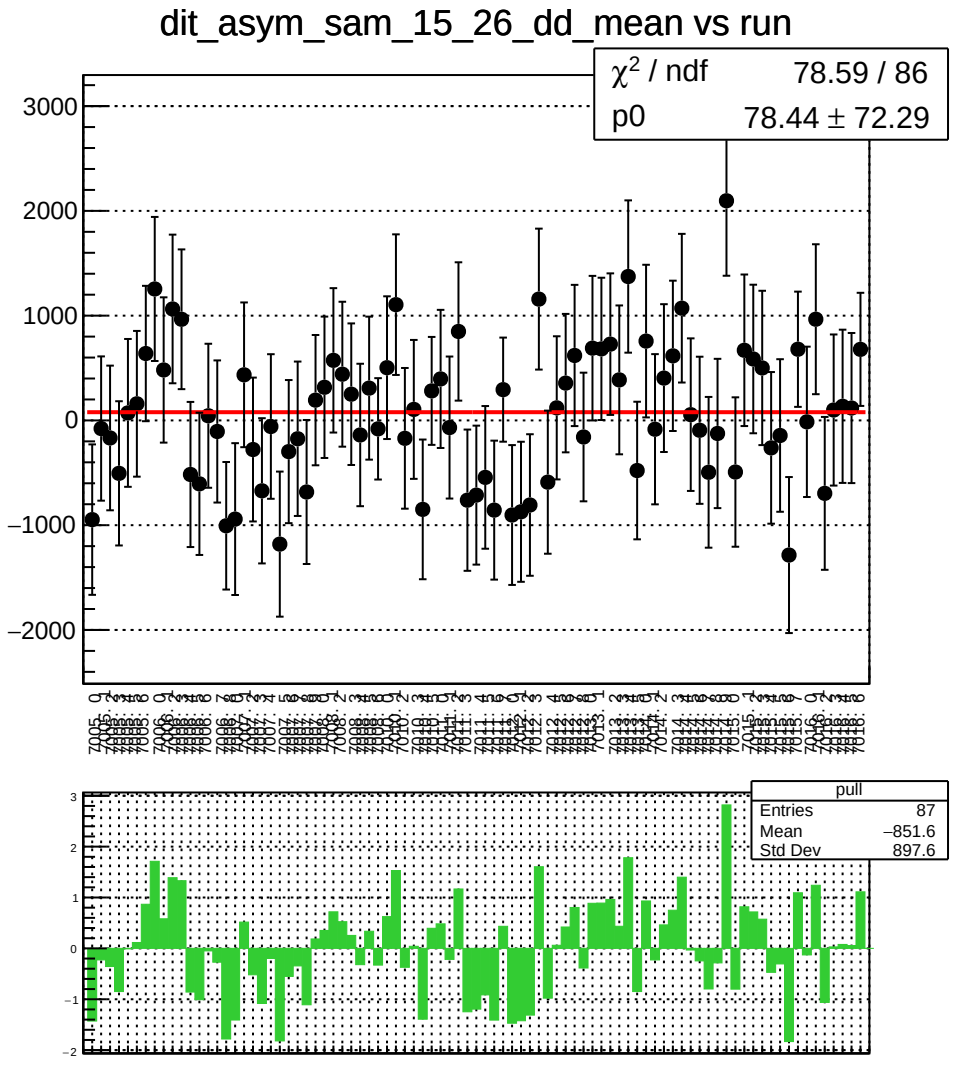

pull1D
Entries 87
Mean 0.02066
Std Dev 1.037
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

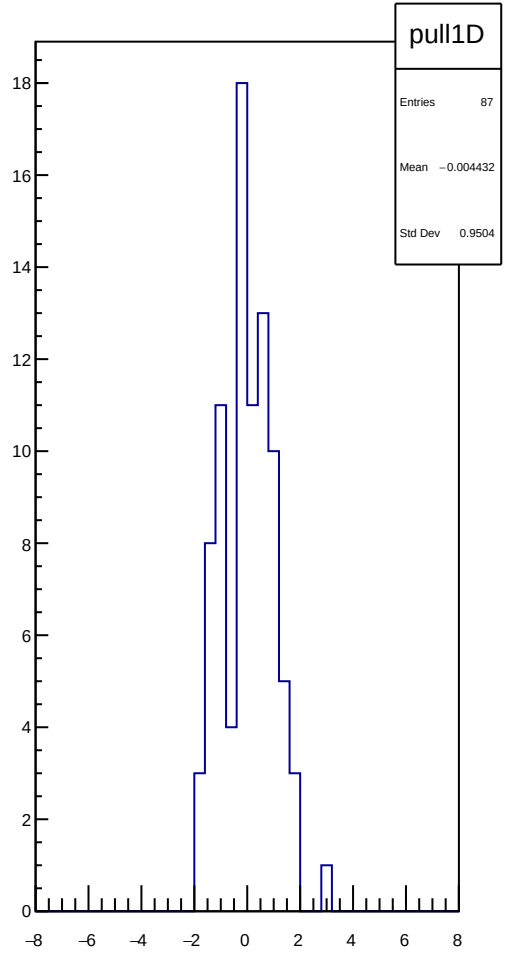

asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 5576 / 86
p0 377.3 ± 0.2937
440
420
400
380
360
340

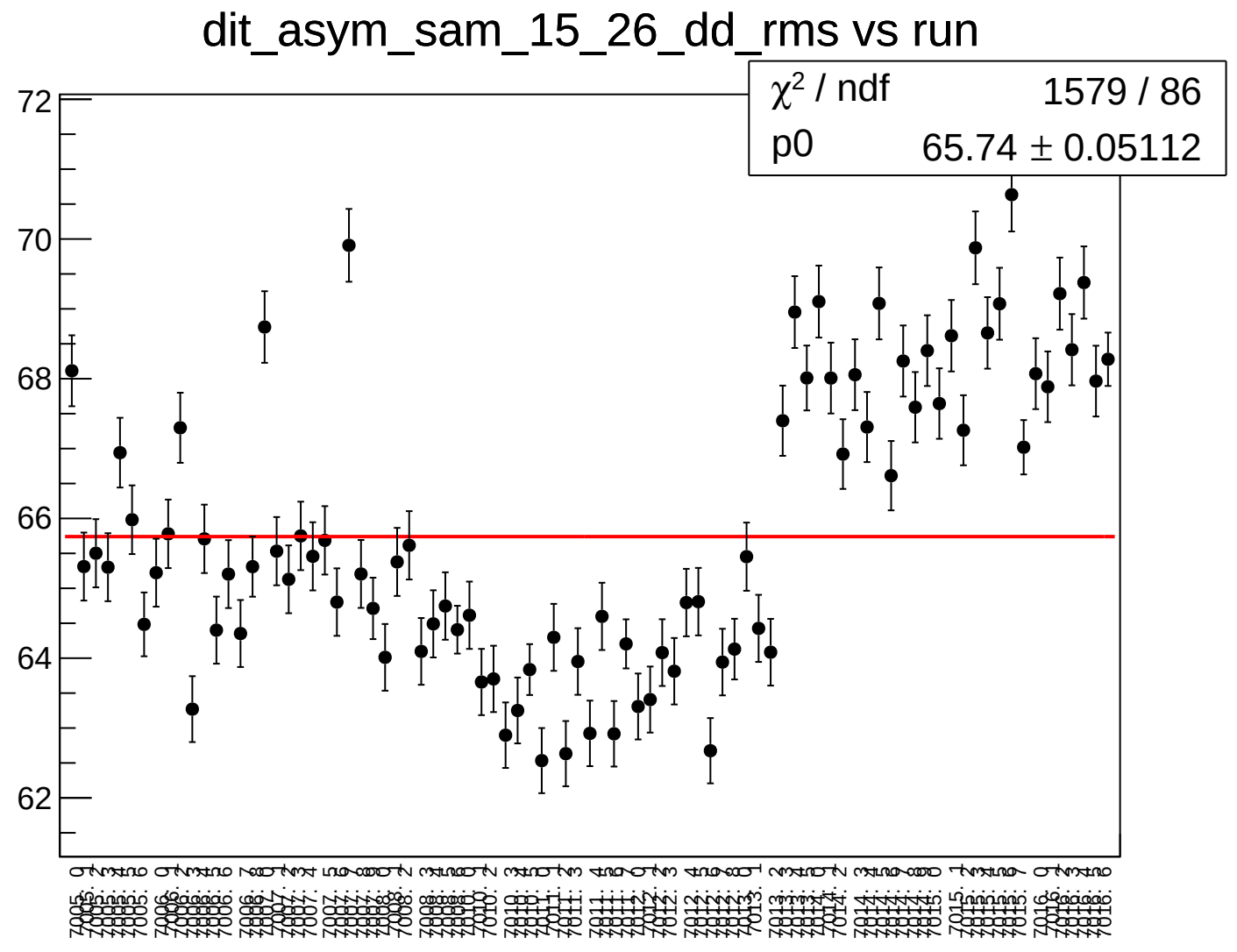

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.57 / 86
p0 −350.5 ± 412.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 9.967
Std Dev 27.11
3
2
1
0
−1
−2

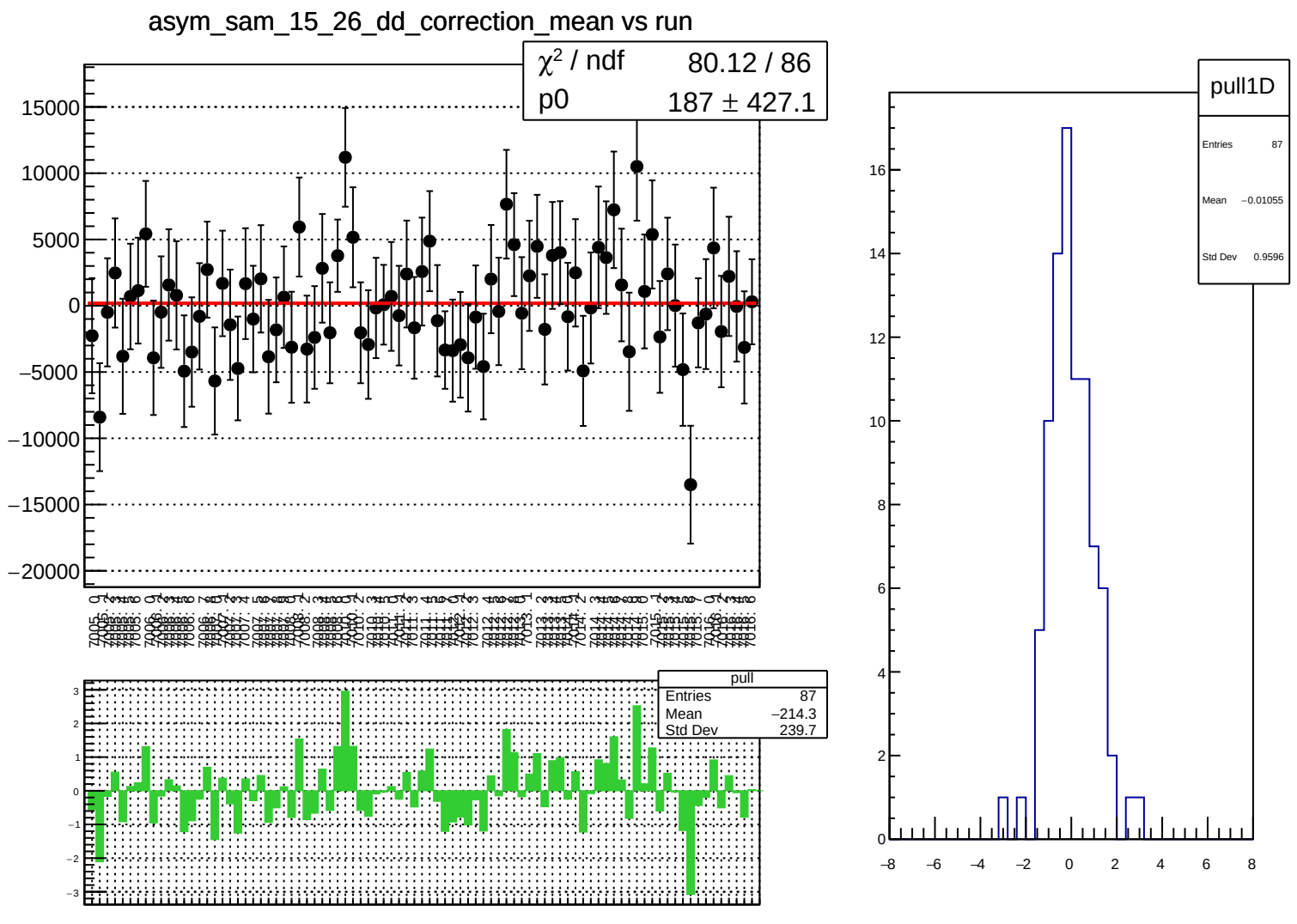

pull1D
Entries 87
Mean −0.01944
Std Dev 0.9973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

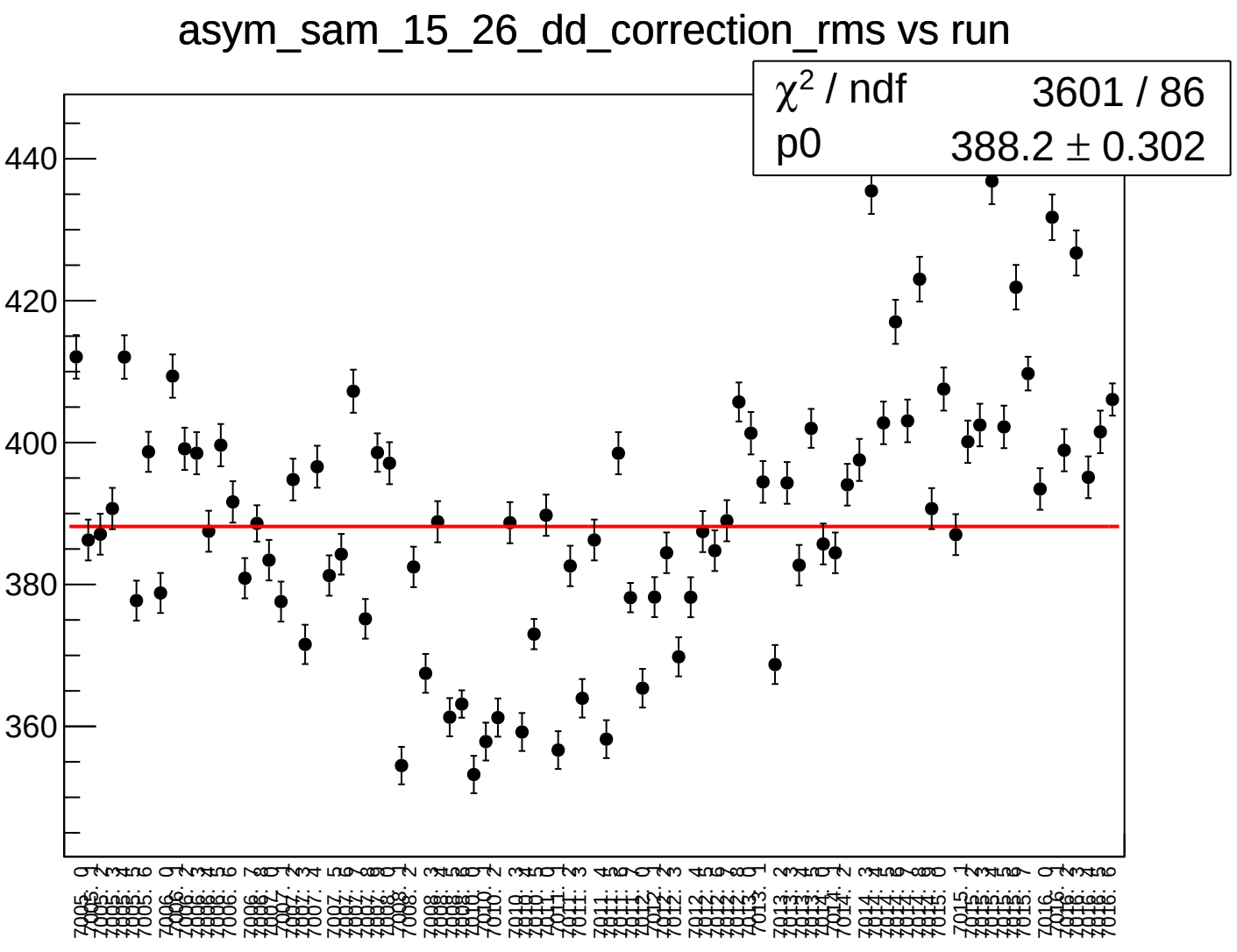

asym_sam_37_48_dd_rms vs run
χ² / ndf 5888 / 86
p0 374.9 ± 0.2919
440
420
400
380
360
340
320

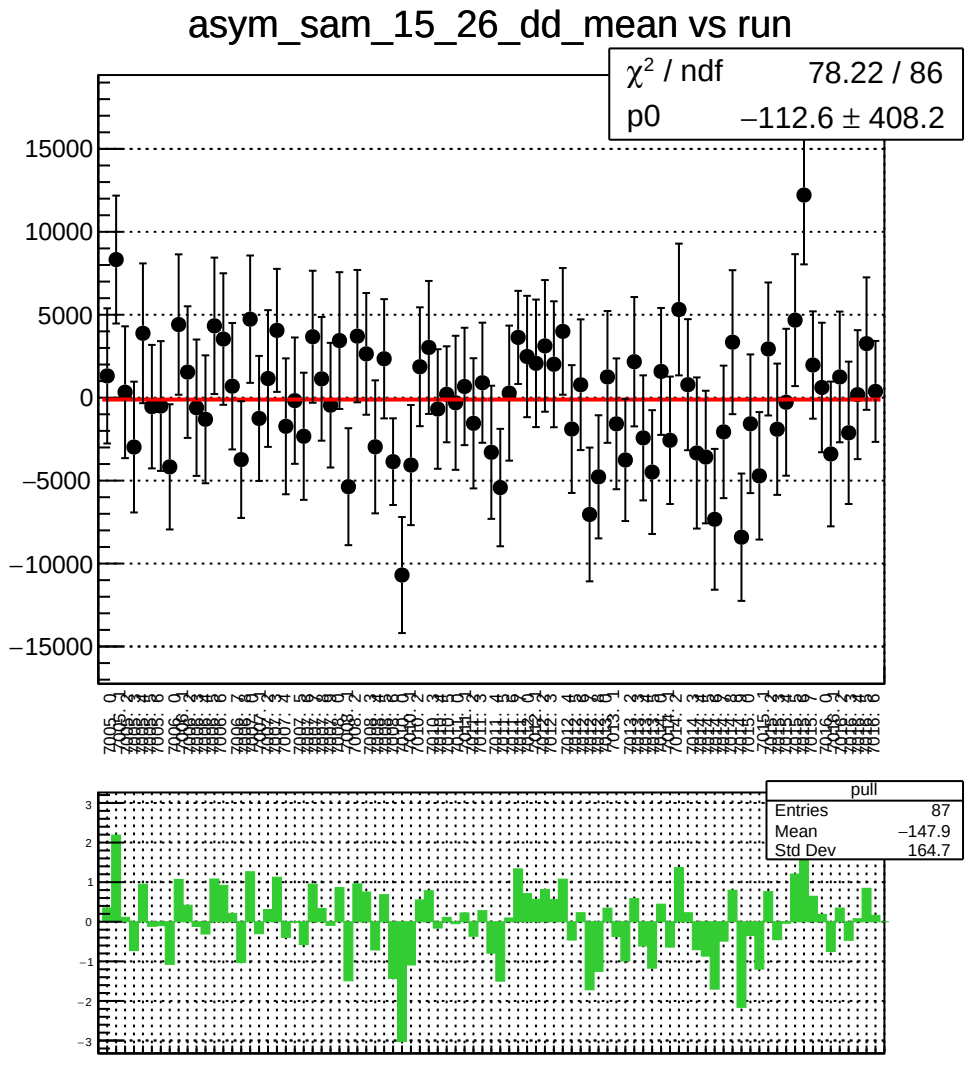

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 78.59 / 86
p0 78.44 ± 72.29
3000
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −851.6
Std Dev 897.6
3
2
1
0
−1
−2

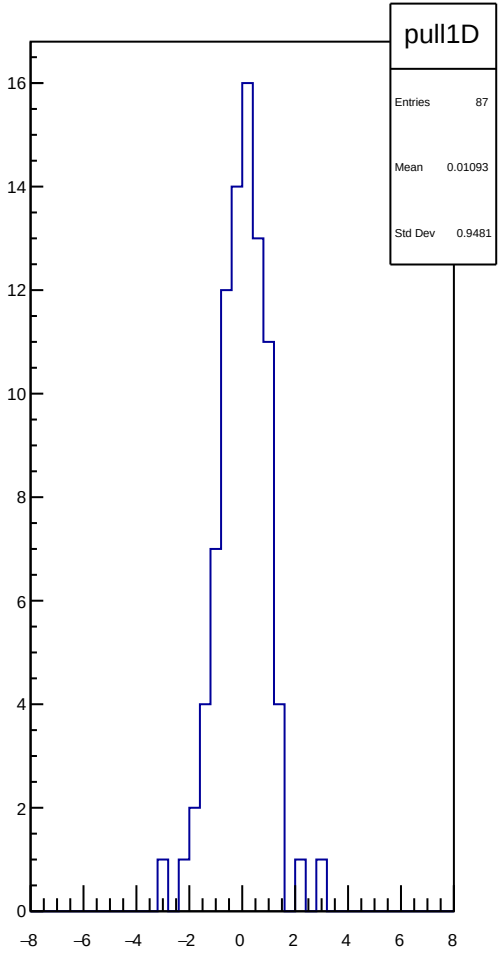

pull1D
Entries 87
Mean −0.004432
Std Dev 0.9504
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

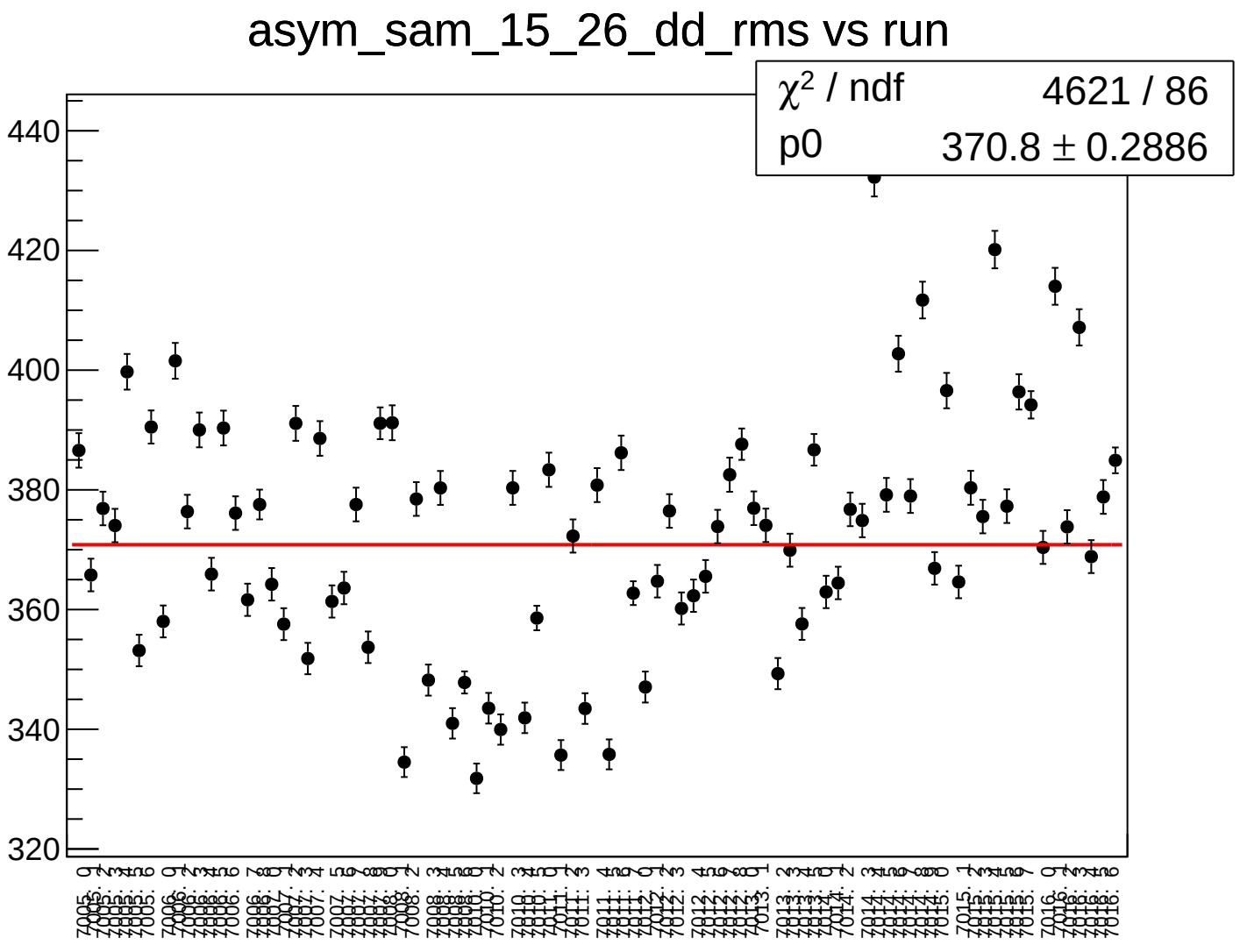

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1579 / 86
p0 65.74 ± 0.05112
72
70
68
66
64
62

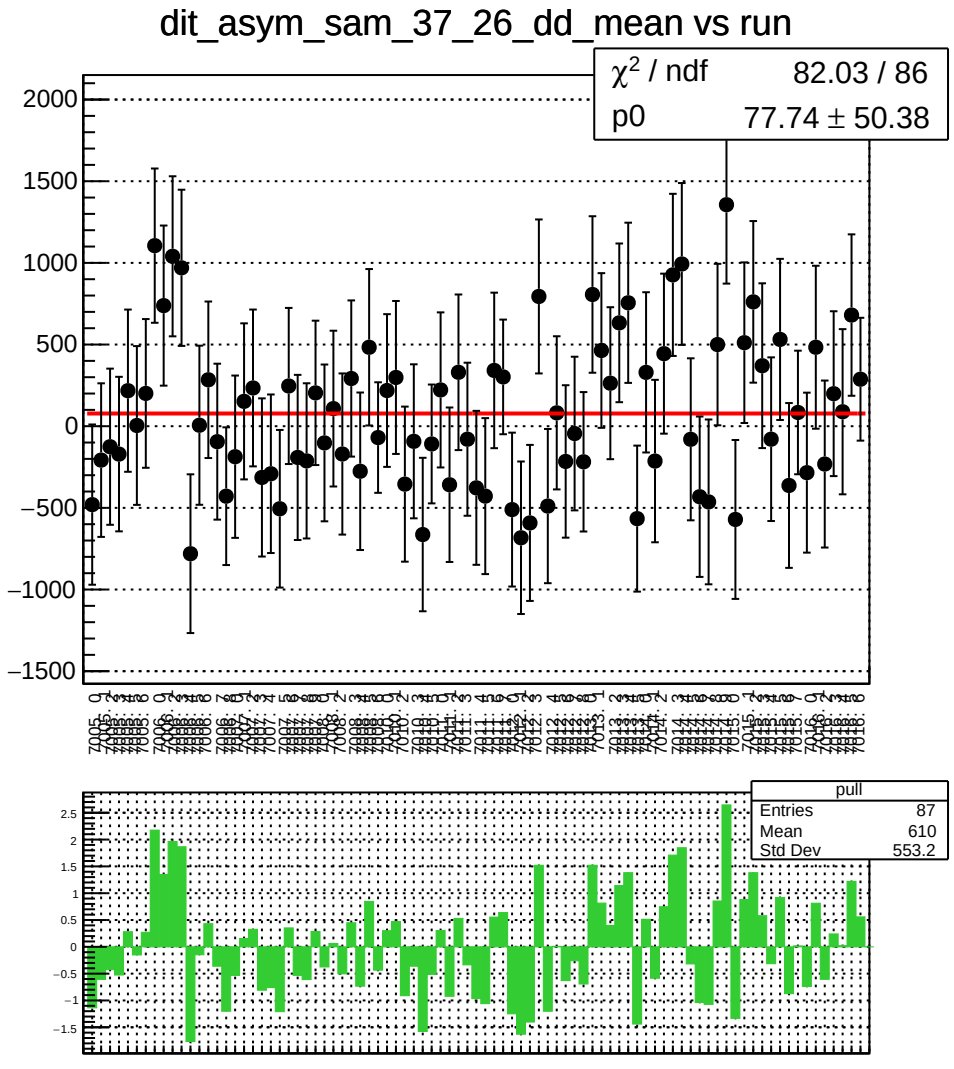

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 80.12 / 86
p0 187 ± 427.1
pull
Entries 87
Mean −214.3
Std Dev 239.7
pull1D
Entries 87
Mean −0.01055
Std Dev 0.9596

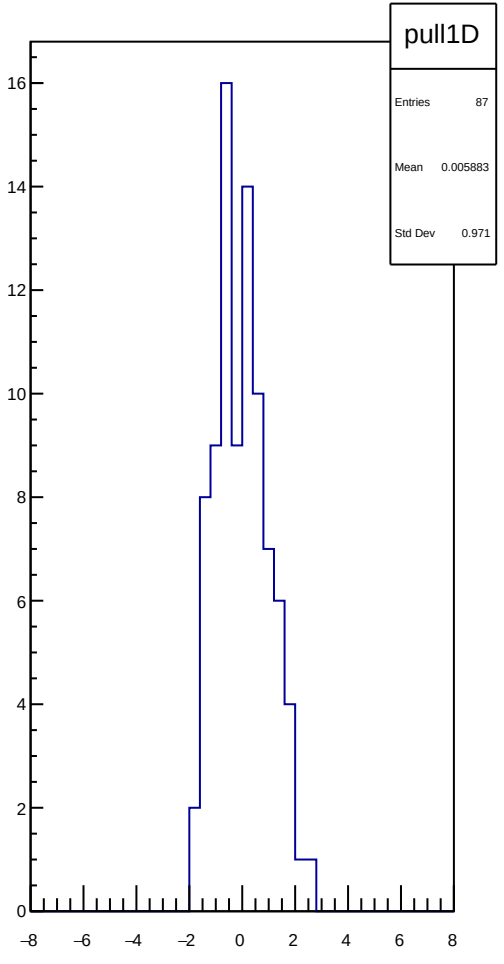

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3601 / 86
p0 388.2 ± 0.302
440
420
400
380
360

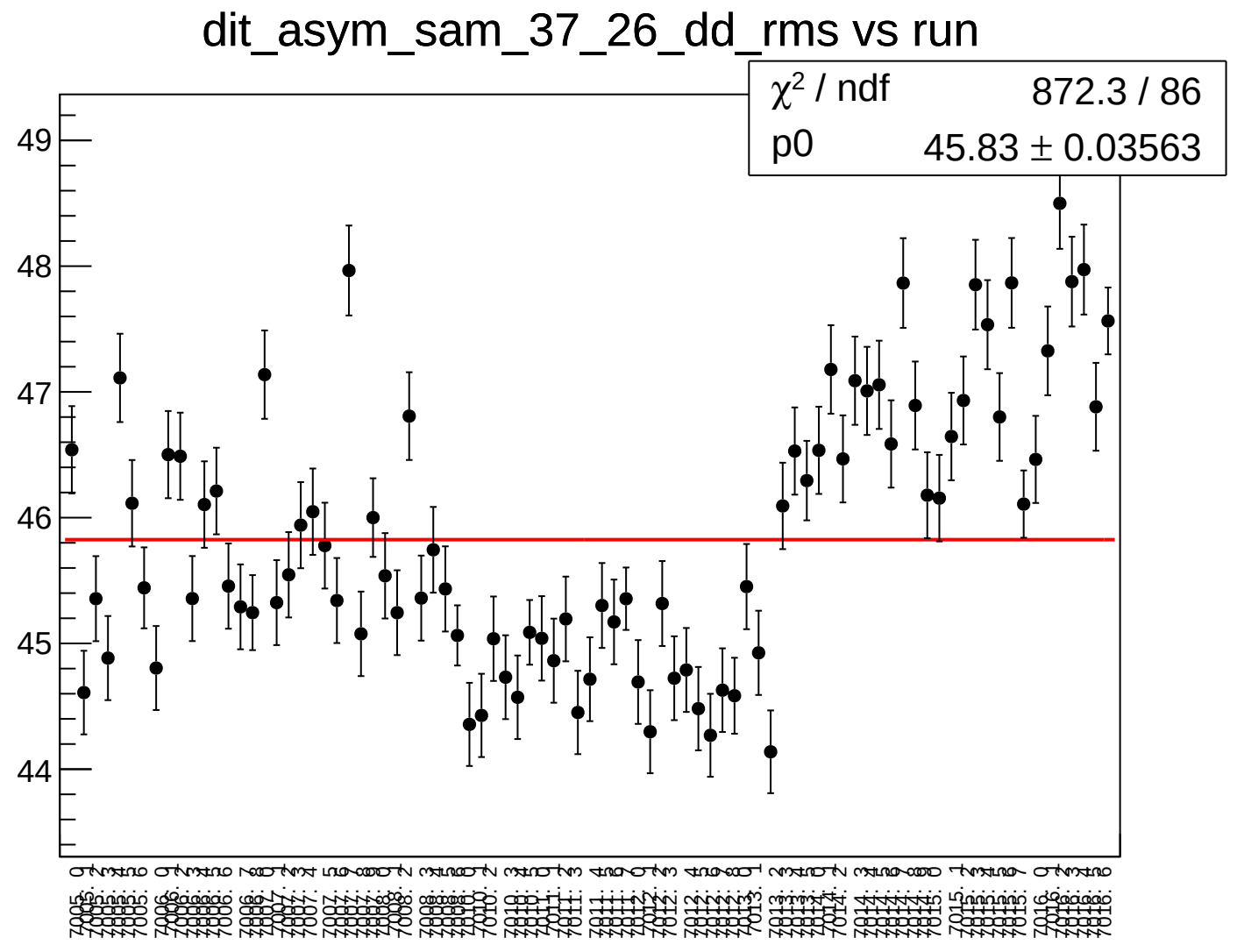

asym_sam_15_26_dd_mean vs run
χ² / ndf 78.22 / 86
p0 −112.6 ± 408.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −147.9
Std Dev 164.7
3
2
1
0
−1
−2
−3

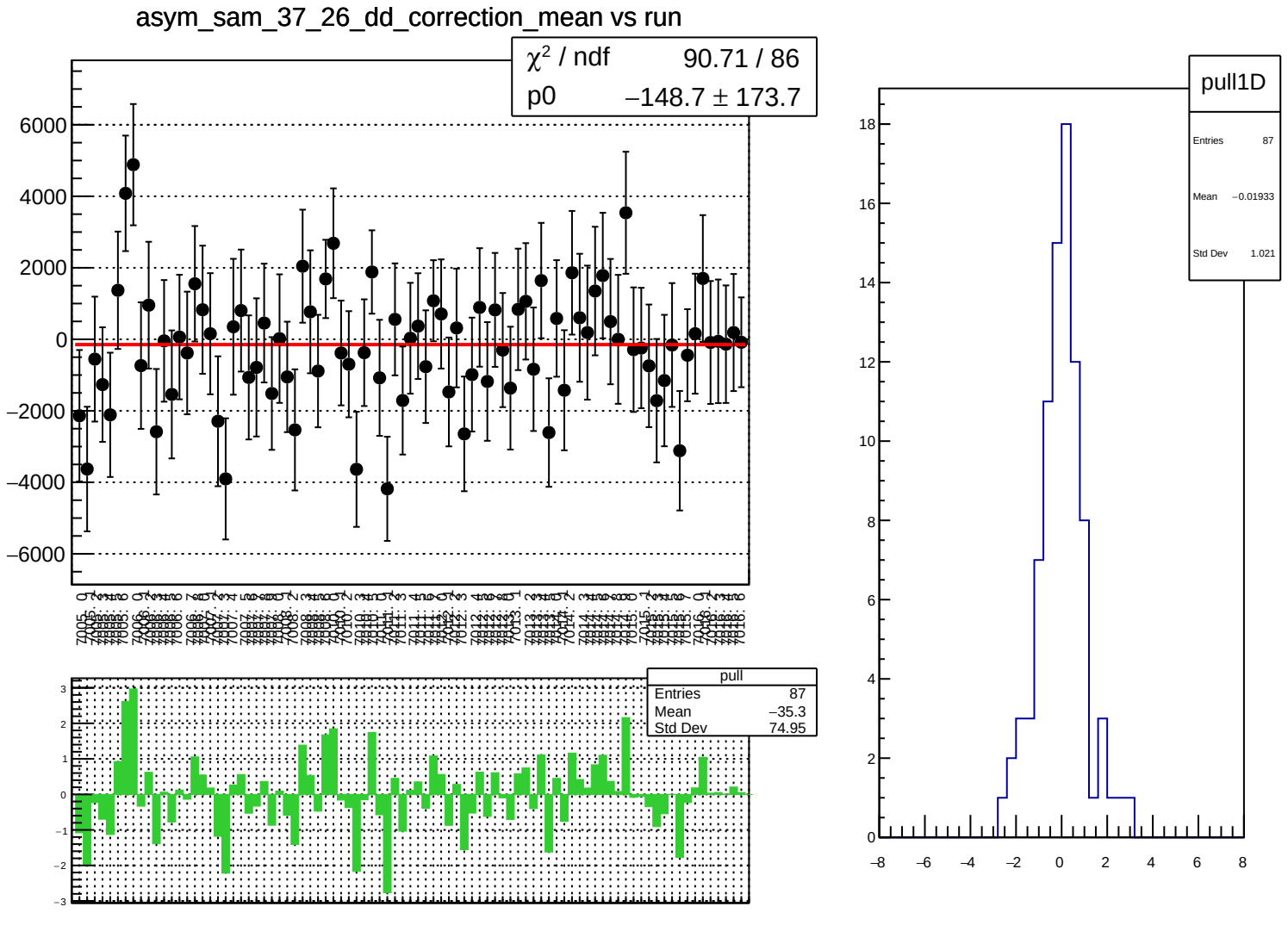

pull1D
Entries 87
Mean 0.01093
Std Dev 0.9481
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

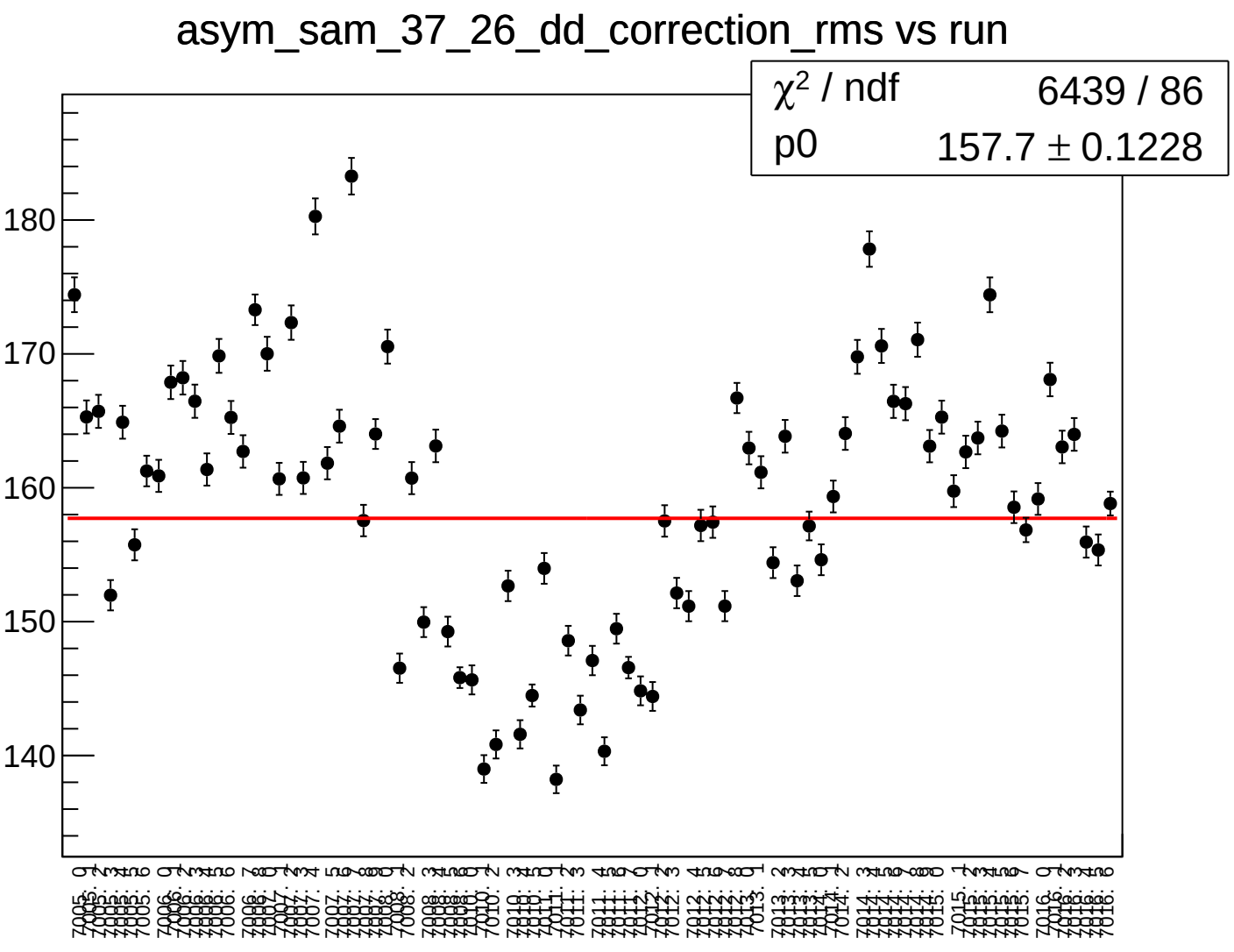

asym_sam_15_26_dd_rms vs run
χ² / ndf 4621 / 86
p0 370.8 ± 0.2886
440
420
400
380
360
340
320

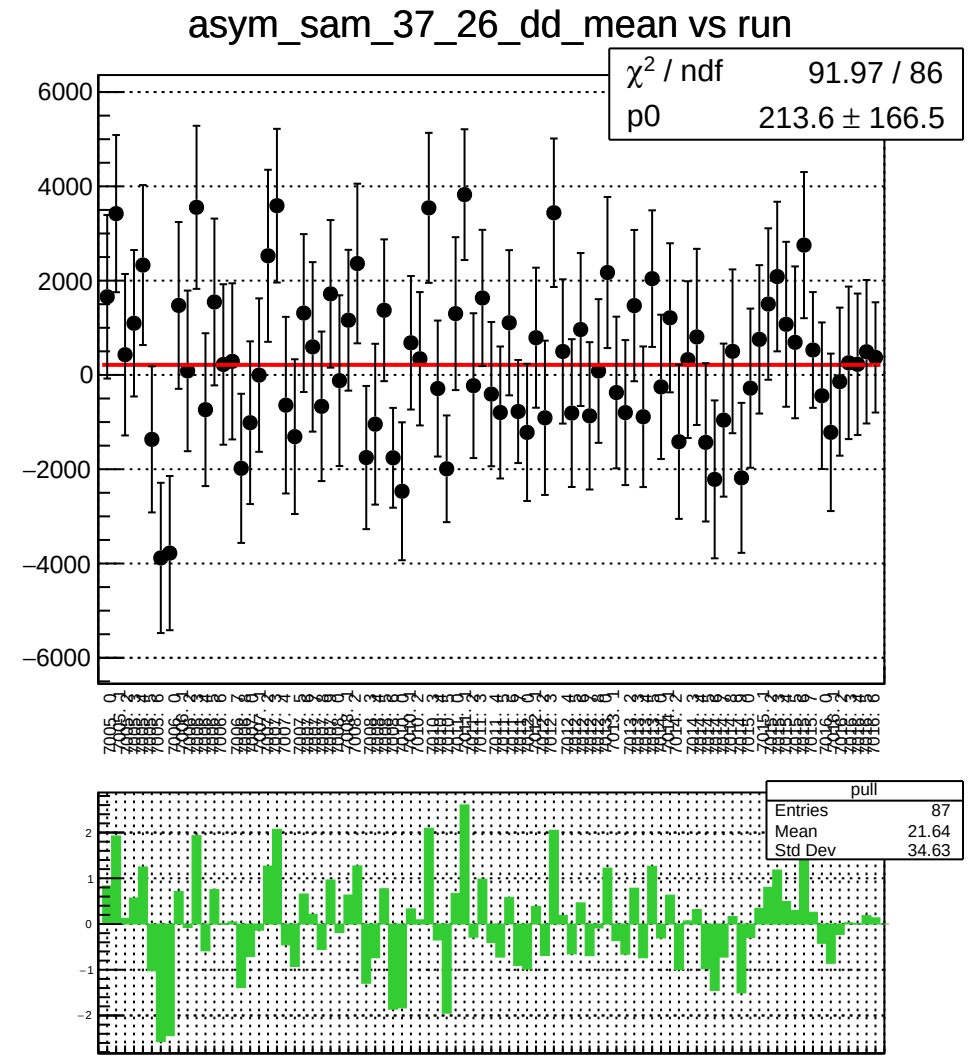

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 82.03 / 86
p0 77.74 ± 50.38
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 87
Mean 610
Std Dev 553.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

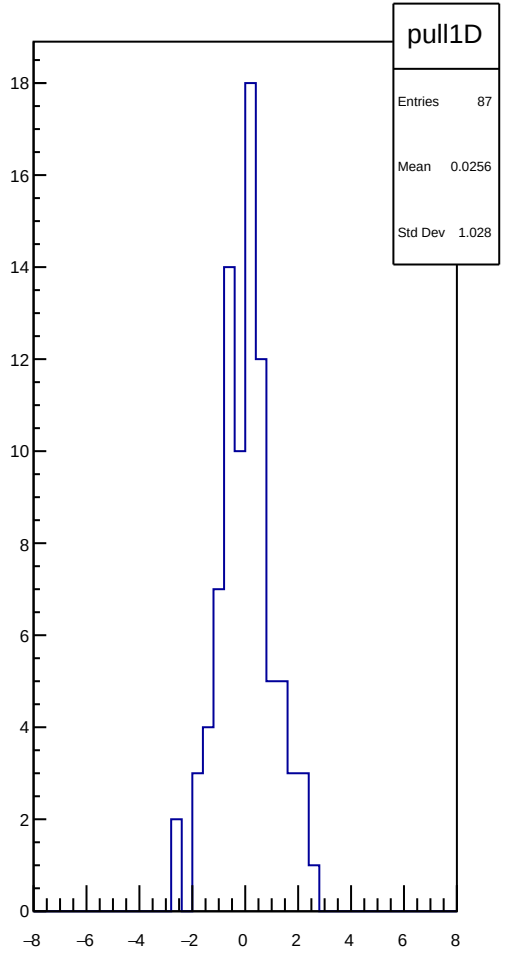

pull1D
Entries 87
Mean 0.005883
Std Dev 0.971
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

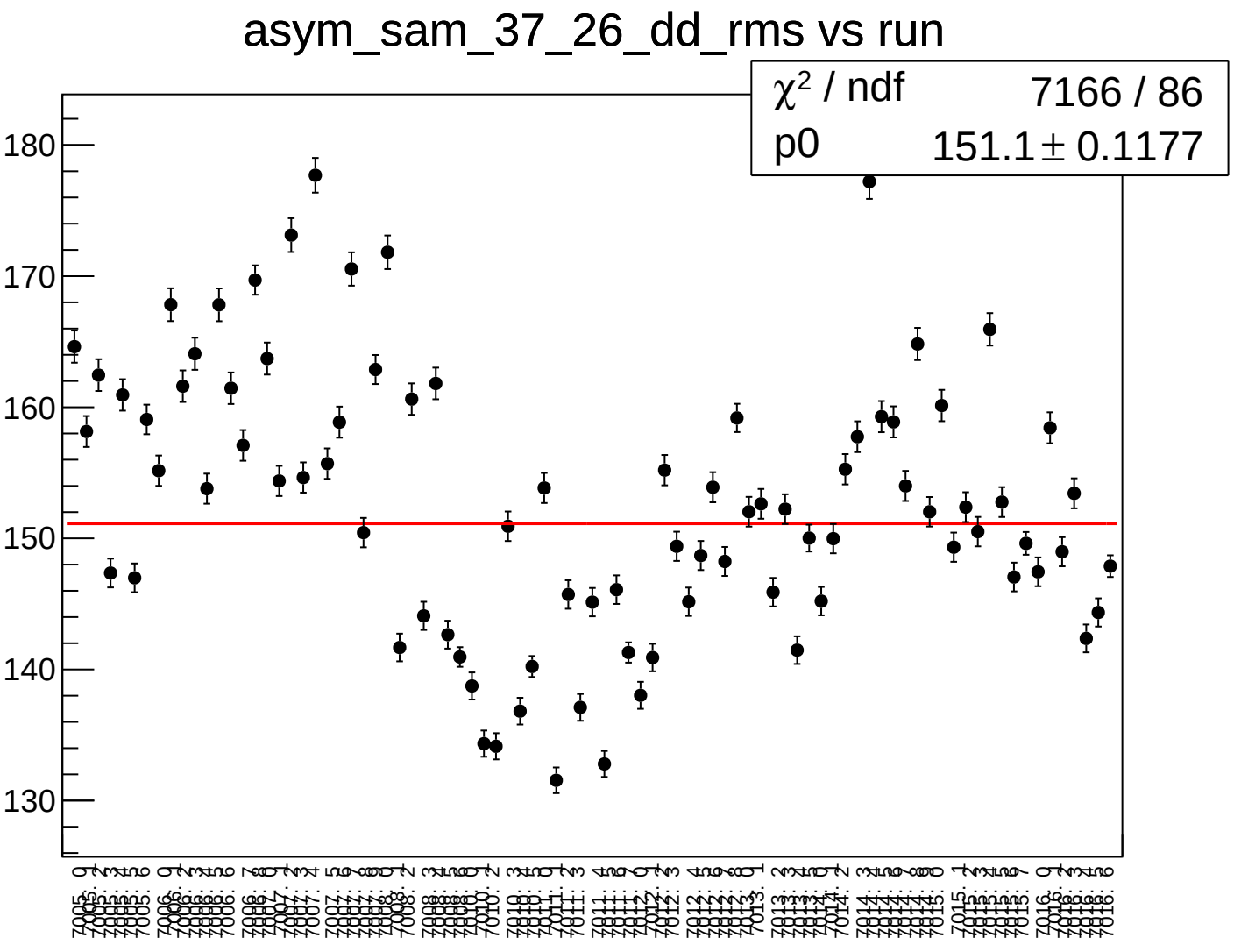

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 872.3 / 86
p0 45.83 ± 0.03563
49
48
47
46
45
44

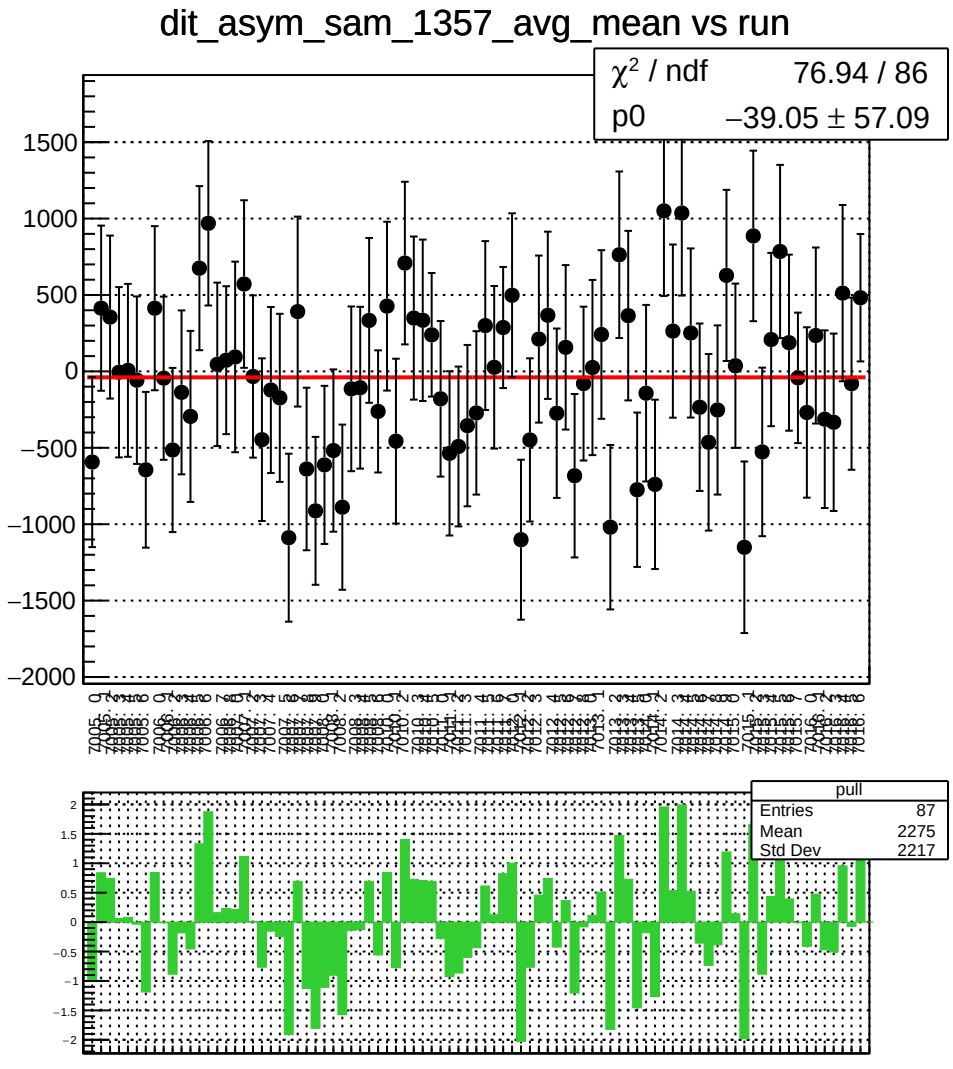

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 90.71 / 86
p0 −148.7 ± 173.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean −35.3
Std Dev 74.95
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01933
Std Dev 1.021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

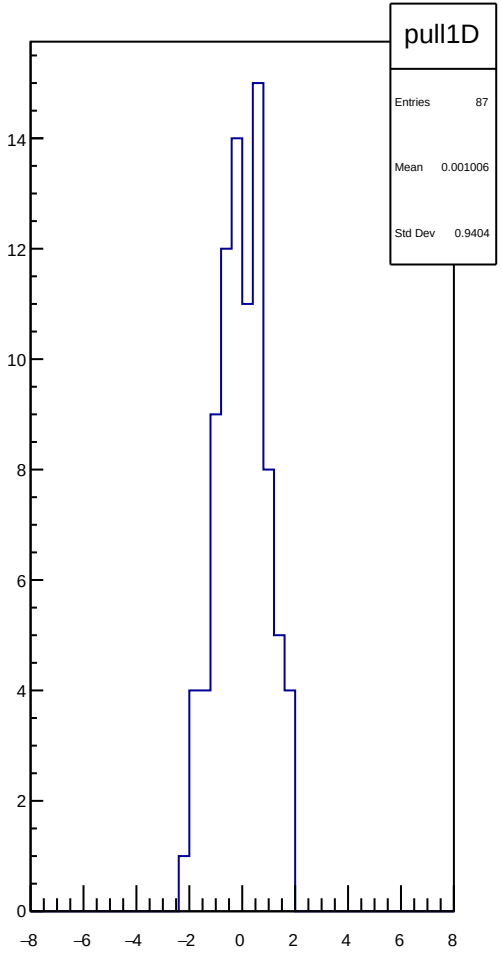

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 6439 / 86
p0 157.7 ± 0.1228
180
170
160
150
140

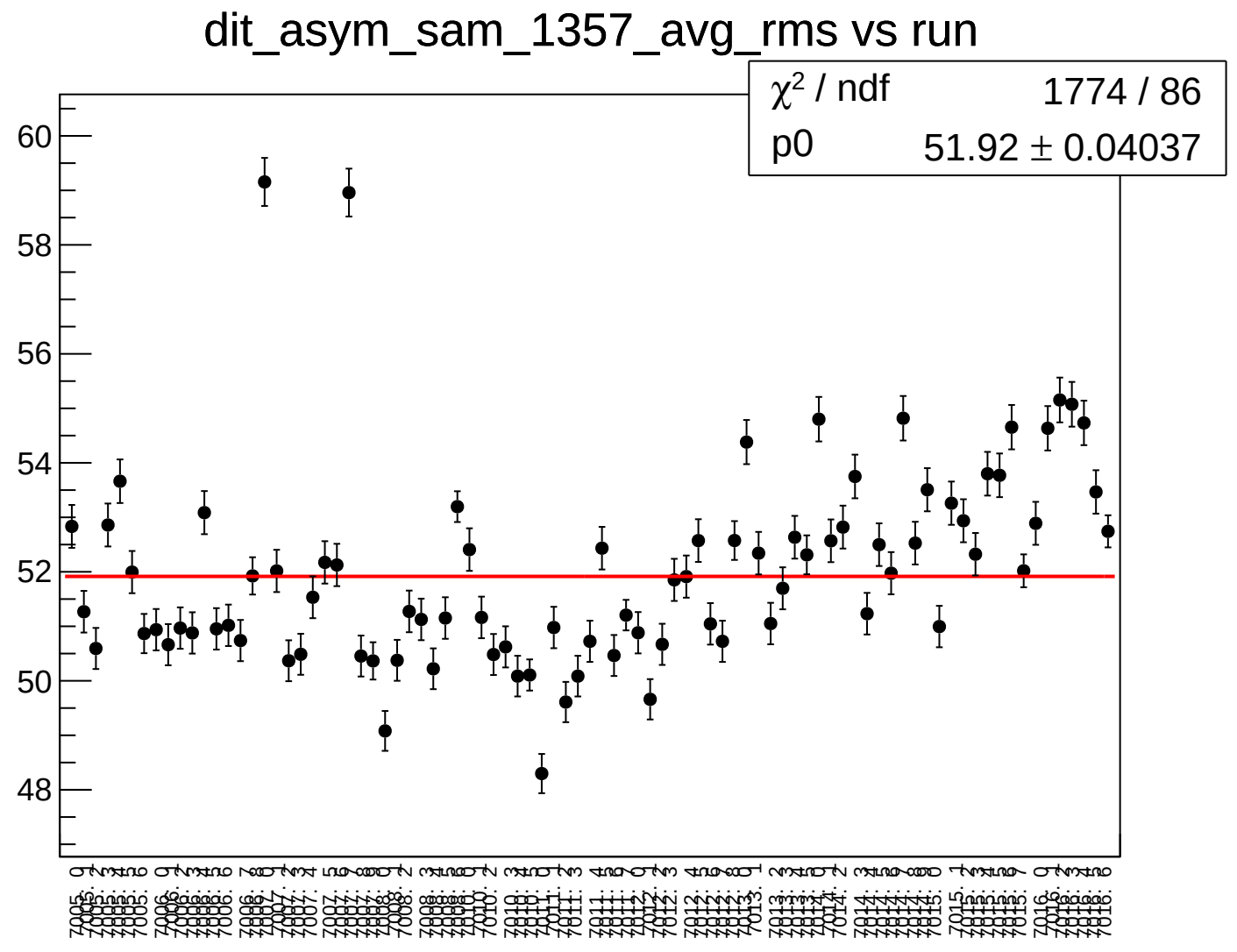

asym_sam_37_26_dd_mean vs run
χ² / ndf 91.97 / 86
p0 213.6 ± 166.5
pull
Entries 87
Mean 21.64
Std Dev 34.63

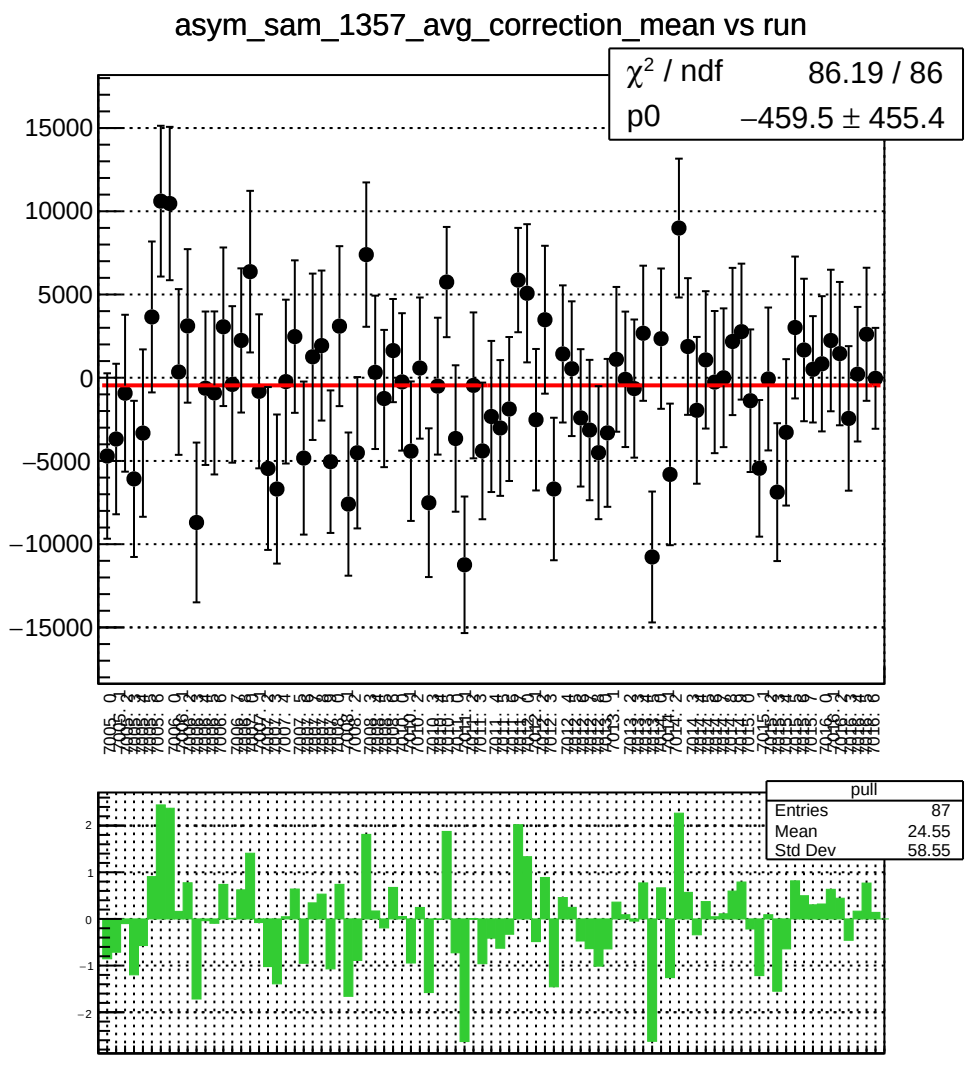

pull1D
Entries 87
Mean 0.0256
Std Dev 1.028

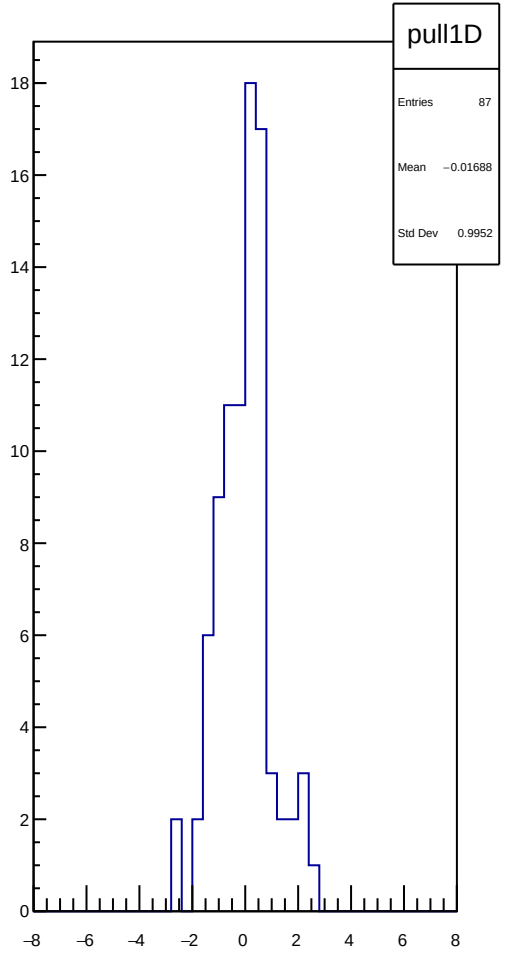

asym_sam_37_26_dd_rms vs run
χ² / ndf 7166 / 86
p0 151.1 ± 0.1177
180
170
160
150
140
130

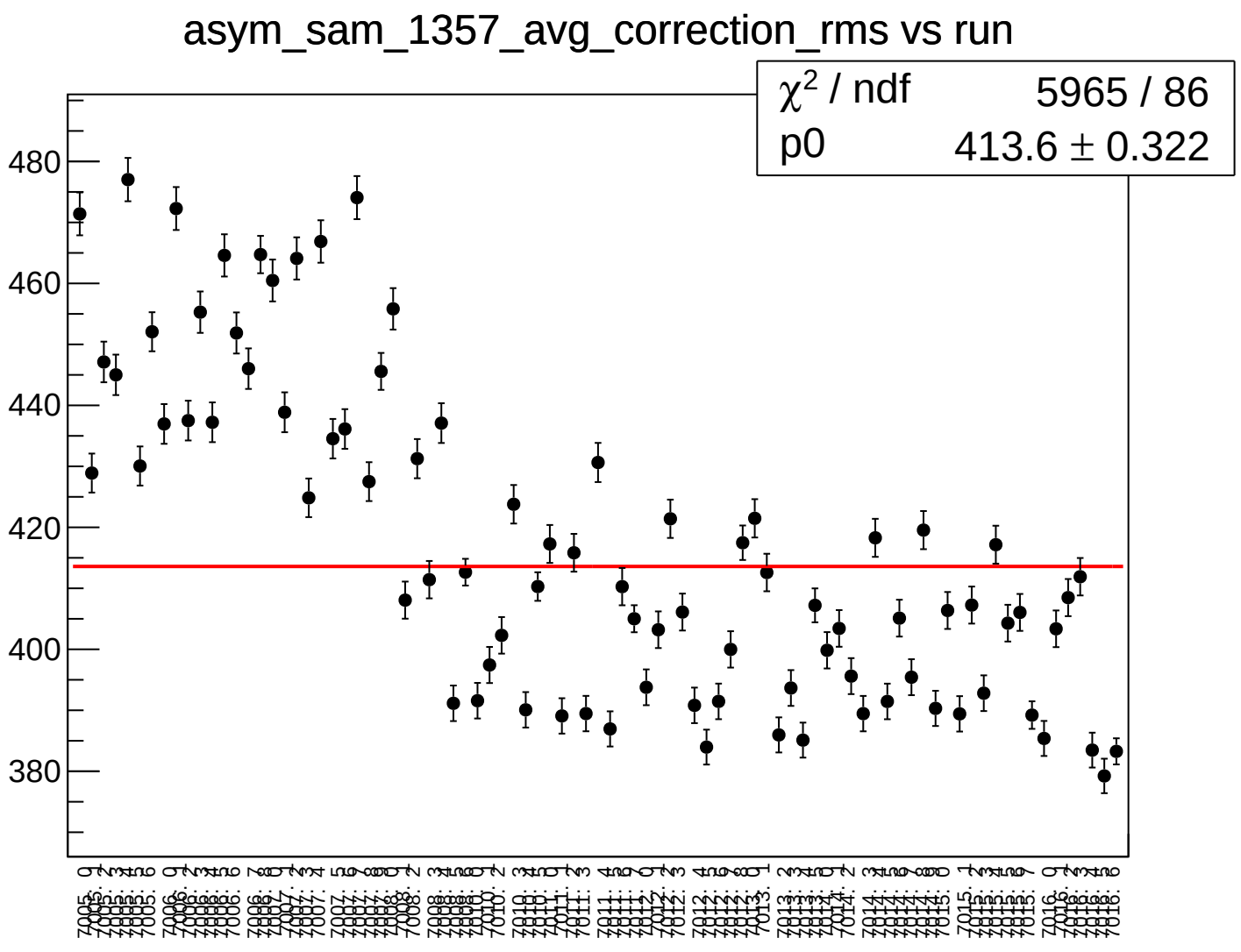

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.94 / 86
p0 −39.05 ± 57.09
pull
Entries 87
Mean 2275
Std Dev 2217

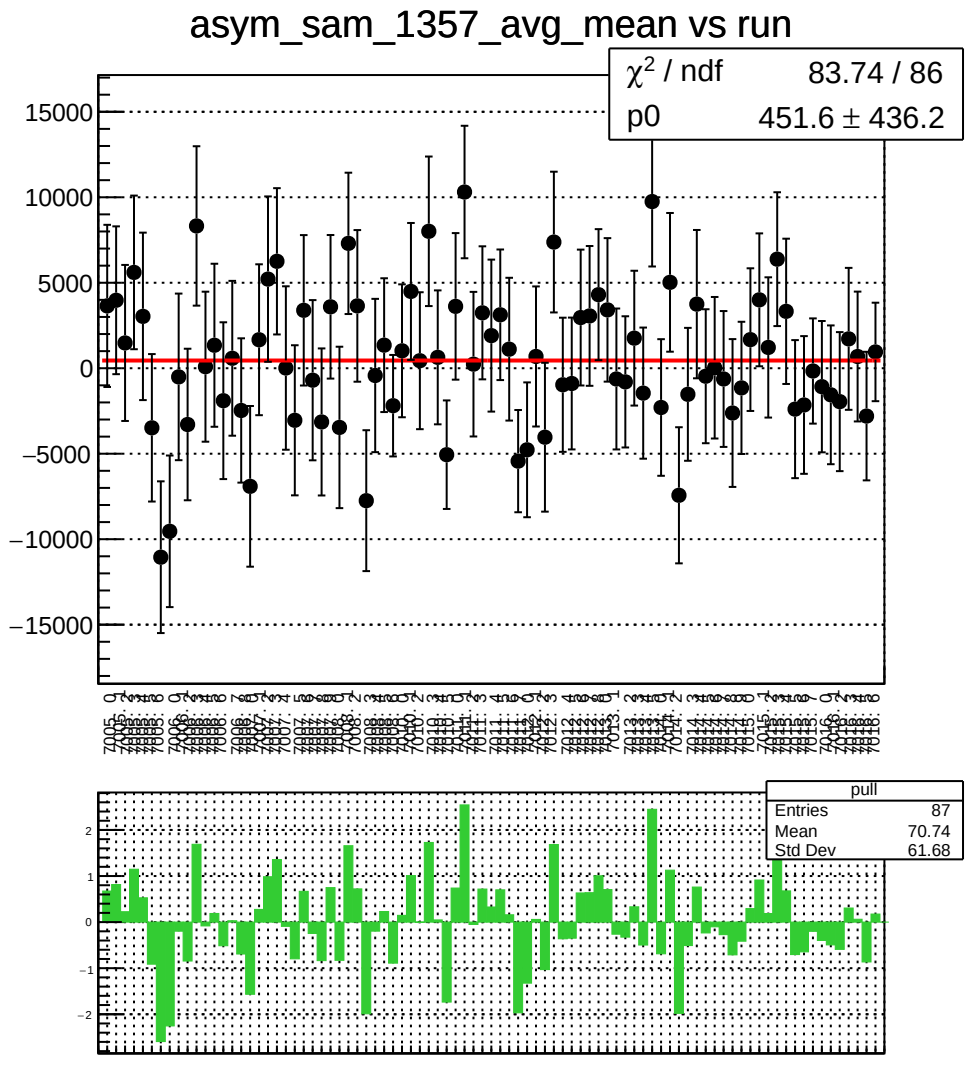

pull1D
Entries 87
Mean 0.001006
Std Dev 0.9404

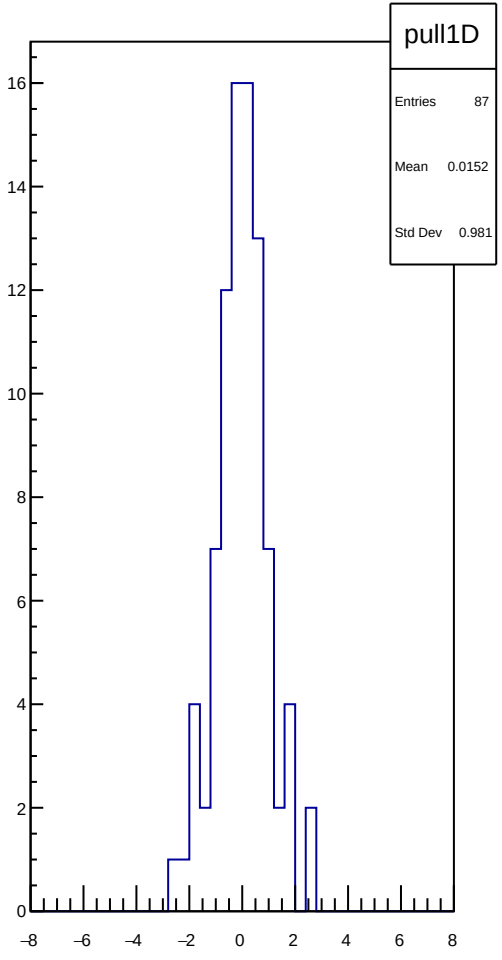

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1774 / 86
p0 51.92 ± 0.04037
60
58
56
54
52
50
48

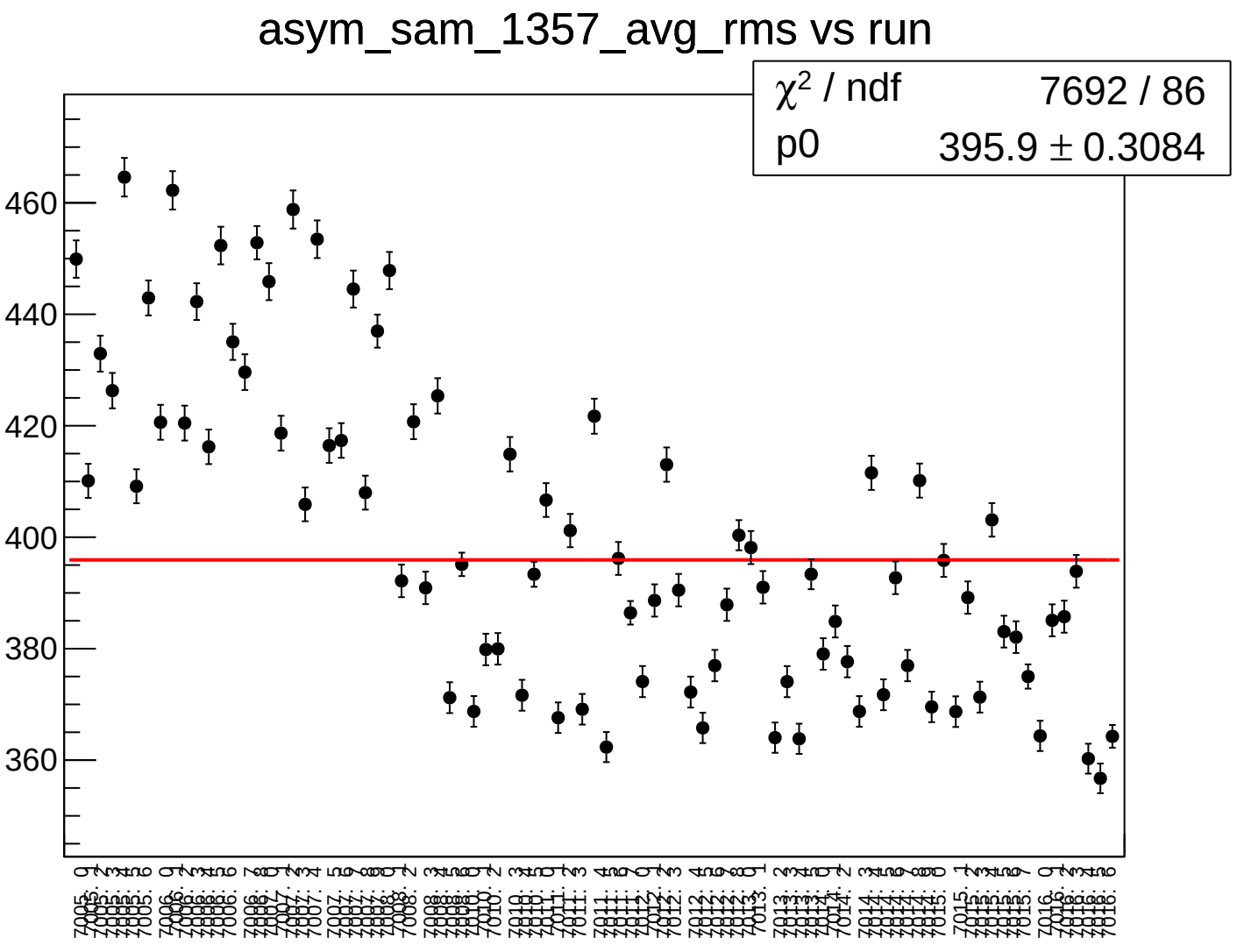

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 86.19 / 86
p0 −459.5 ± 455.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 24.55
Std Dev 58.55
2
1
0
−1
−2

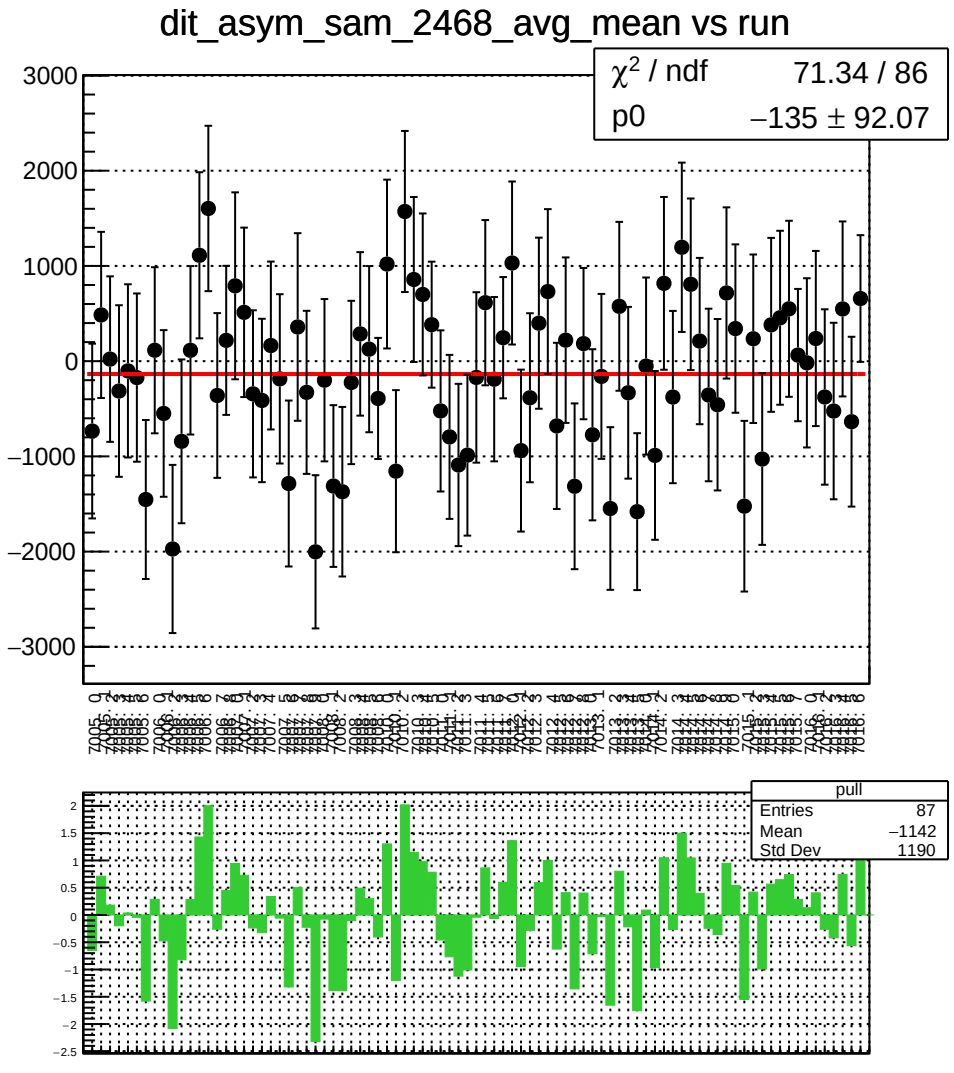

pull1D
Entries 87
Mean −0.01688
Std Dev 0.9952
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

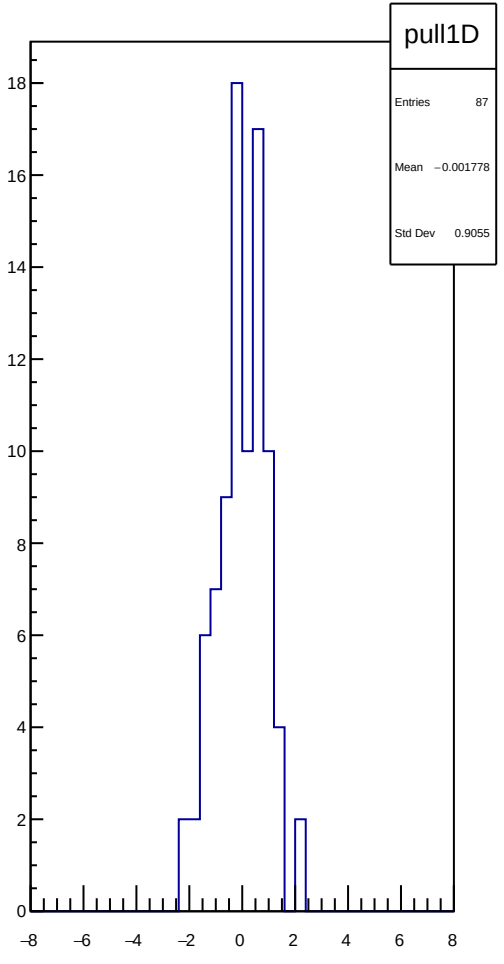

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 5965 / 86
p0 413.6 ± 0.322
480
460
440
420
400
380

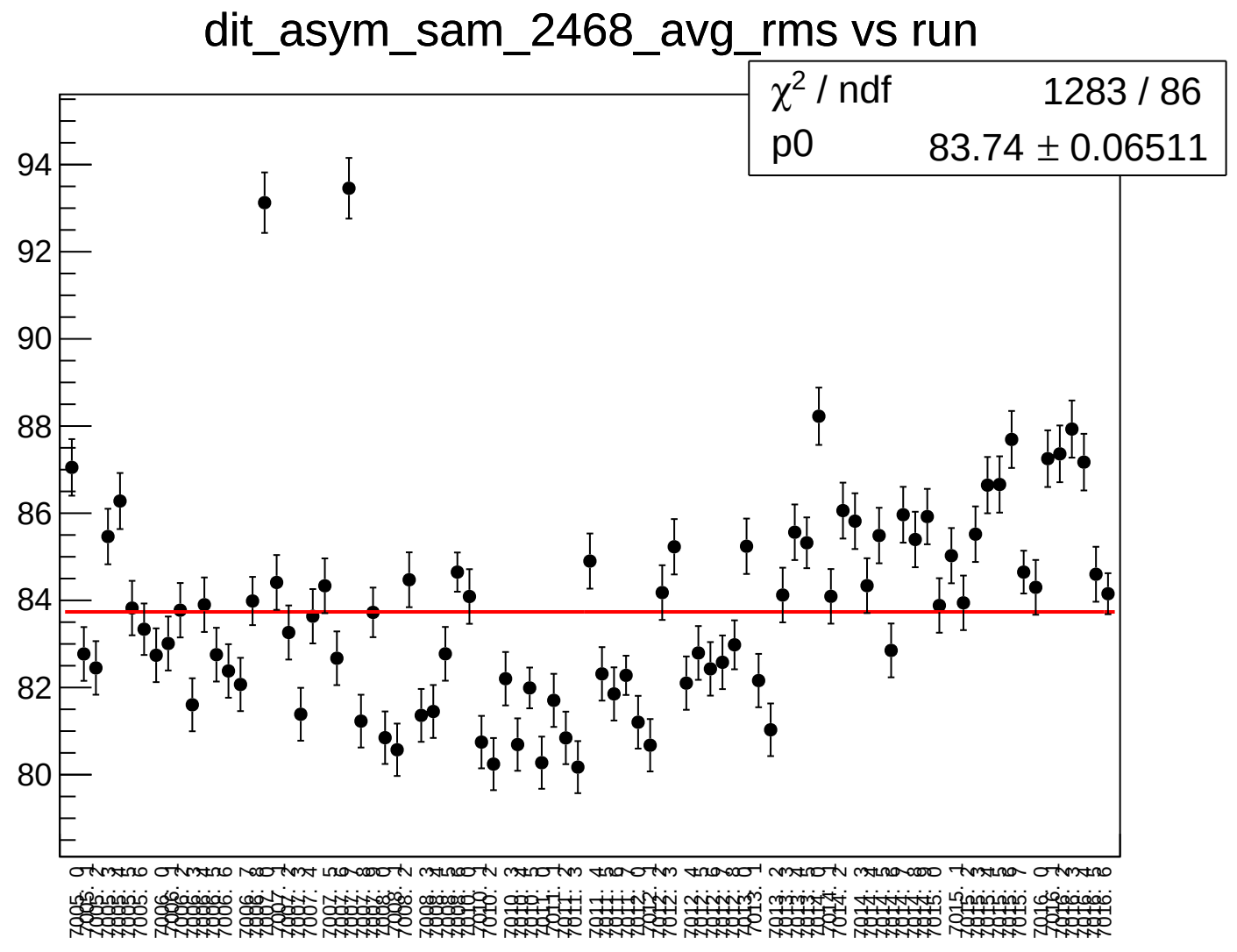

asym_sam_1357_avg_mean vs run
χ² / ndf 83.74 / 86
p0 451.6 ± 436.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 70.74
Std Dev 61.68
2
1
0
−1
−2

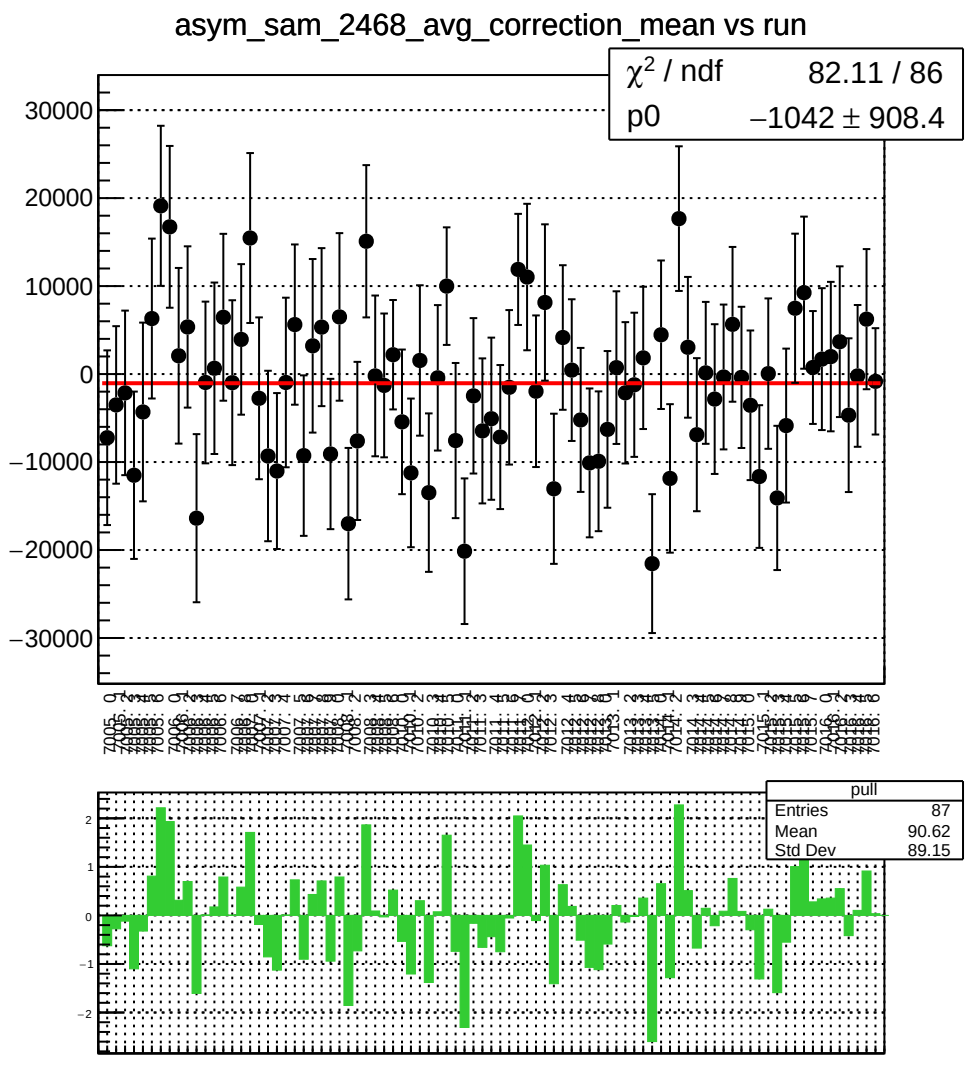

pull1D
Entries 87
Mean 0.0152
Std Dev 0.981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

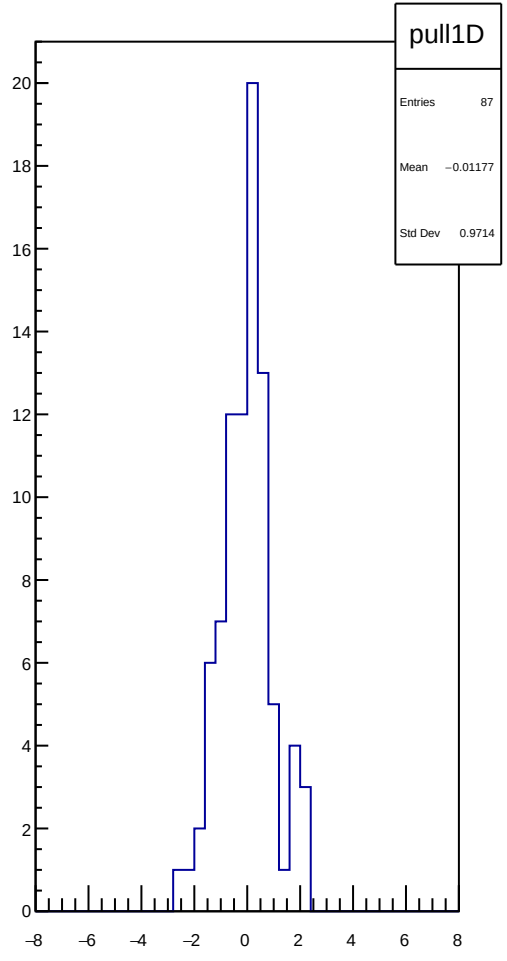

asym_sam_1357_avg_rms vs run
χ² / ndf 7692 / 86
p0 395.9 ± 0.3084
460
440
420
400
380
360

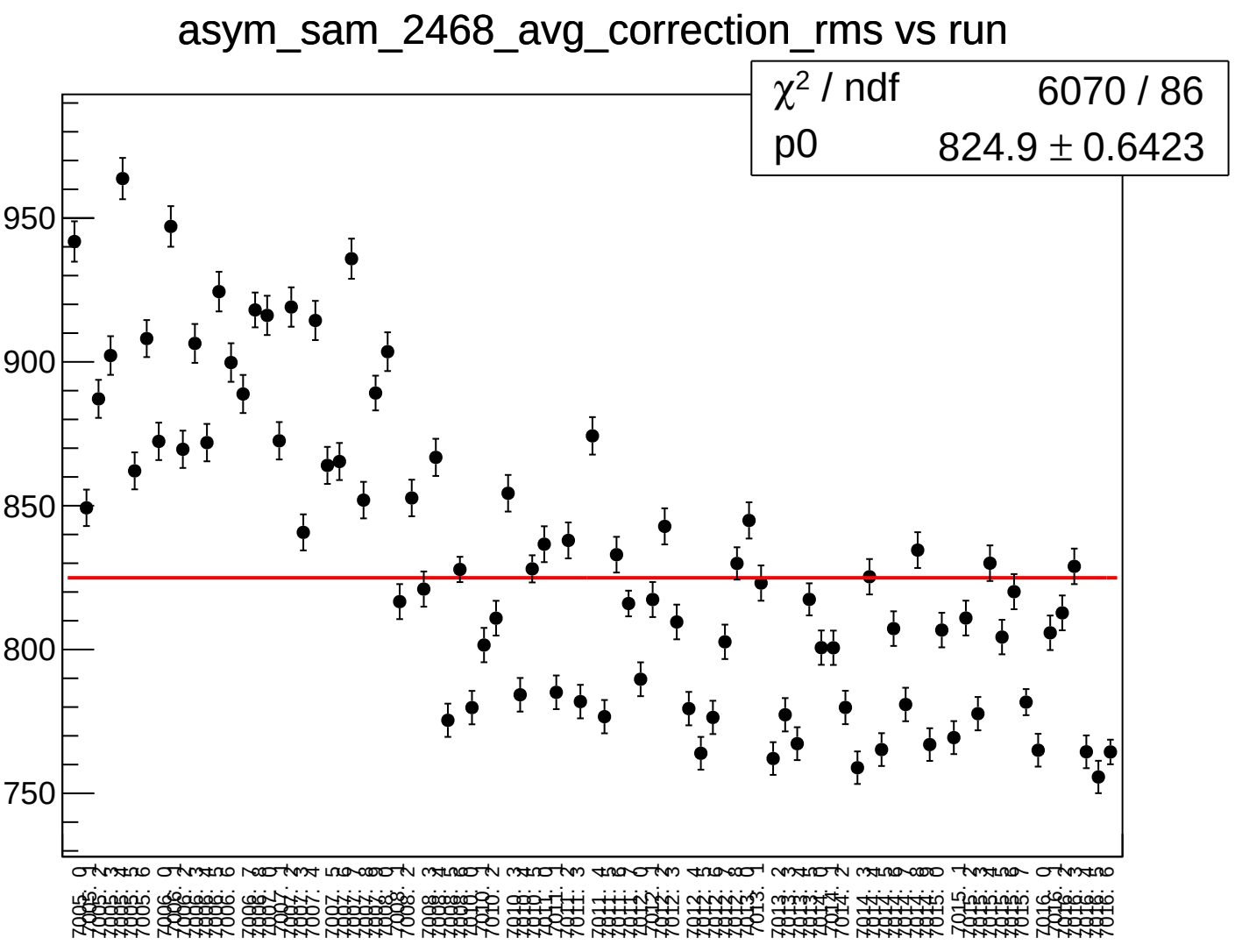

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 71.34 / 86
p0 −135 ± 92.07
pull
Entries 87
Mean −1142
Std Dev 1190

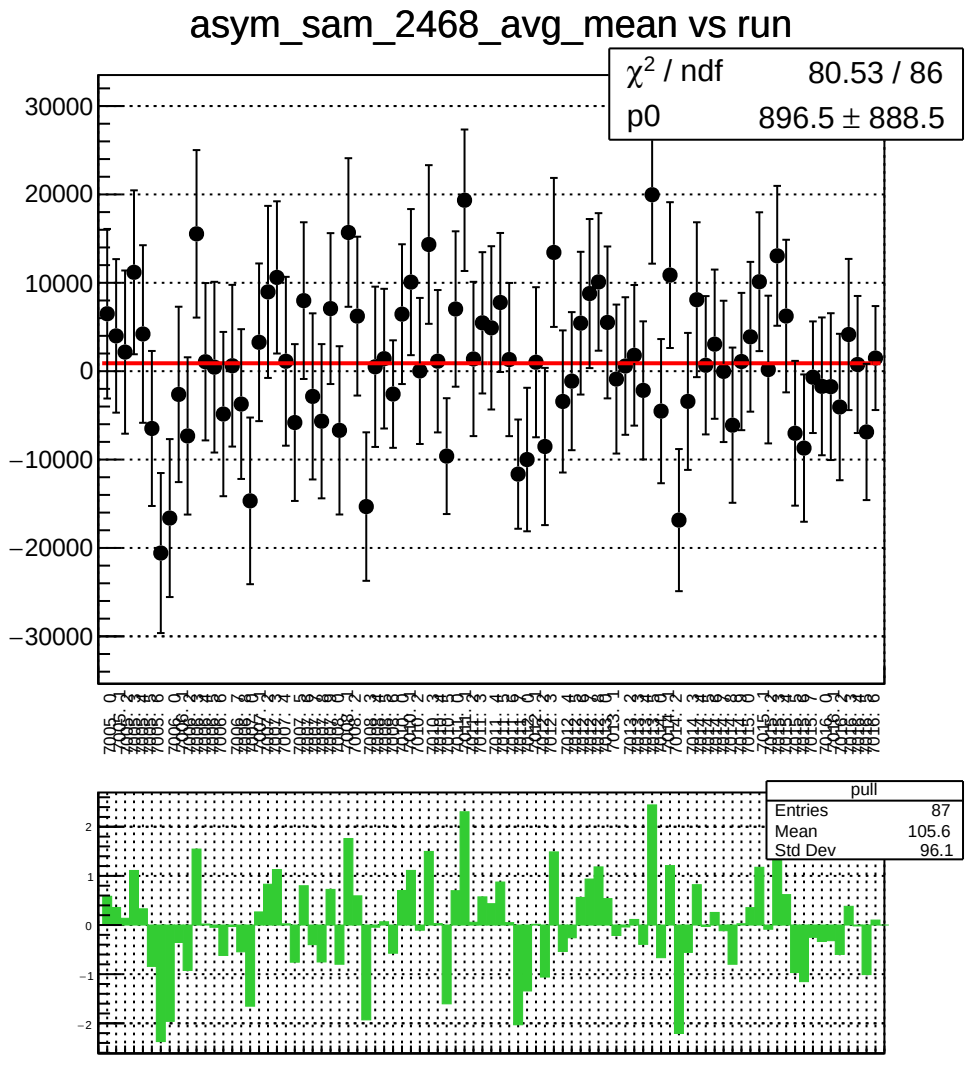

pull1D
Entries 87
Mean −0.001778
Std Dev 0.9055

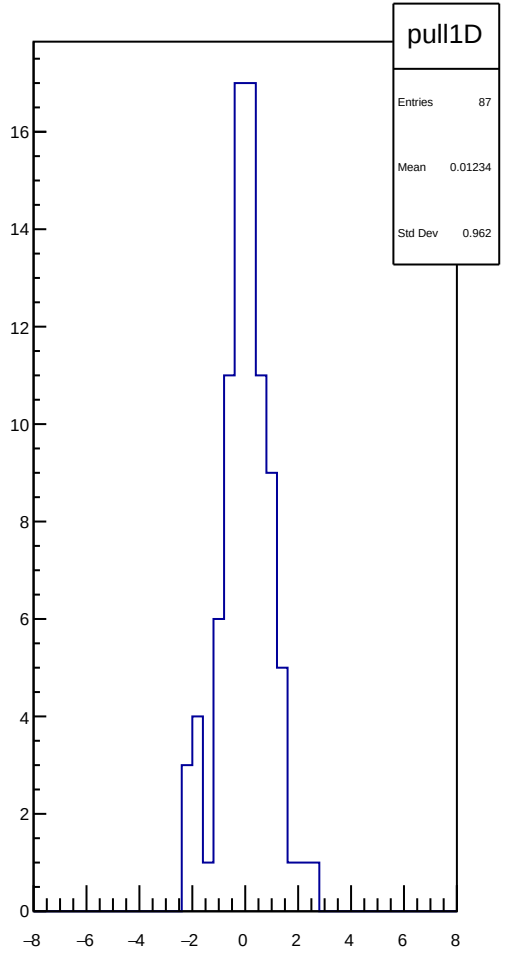

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1283 / 86
p0 83.74 ± 0.06511
94
92
90
88
86
84
82
80

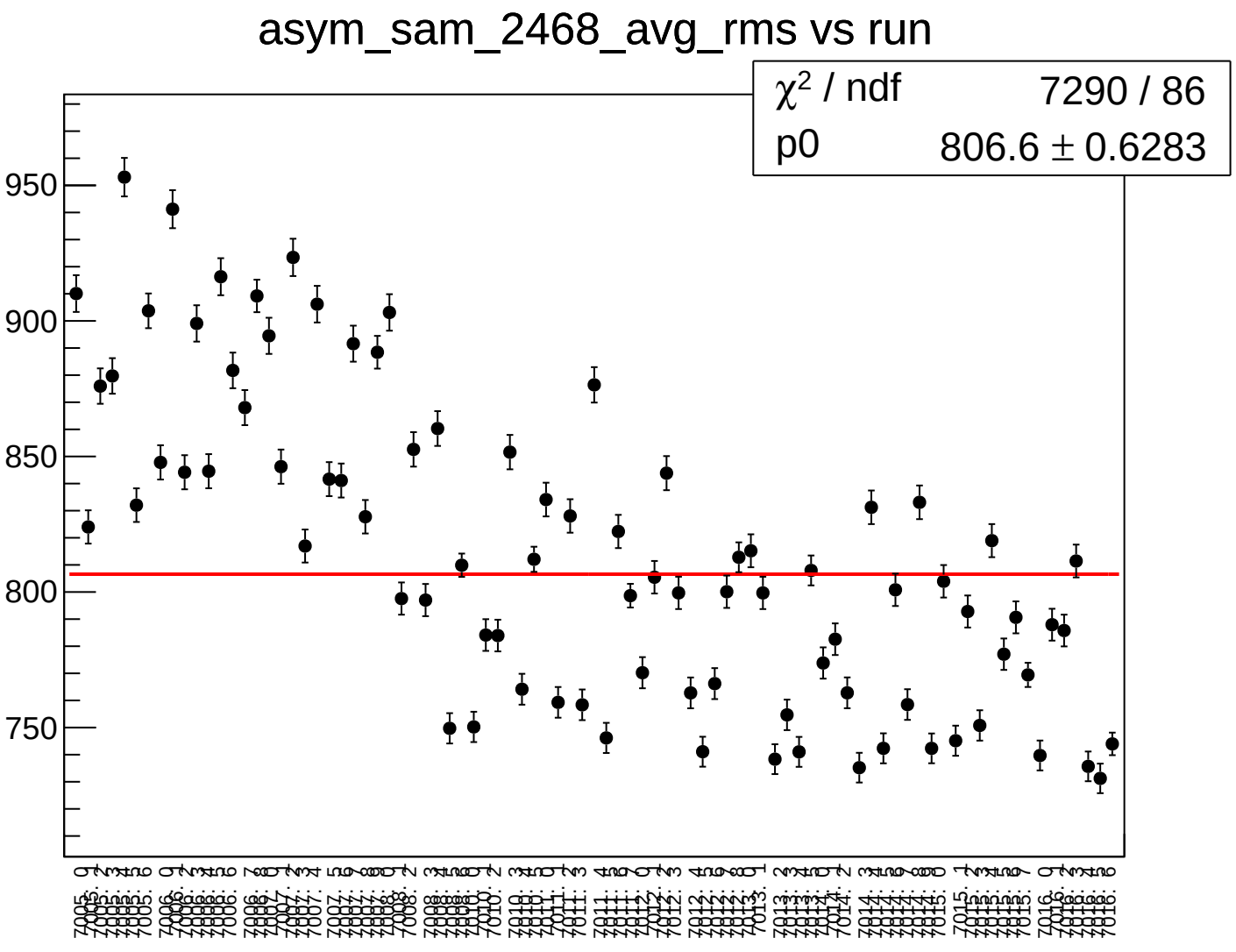

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 82.11 / 86
p0 −1042 ± 908.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 90.62
Std Dev 89.15
2
1
0
−1
−2

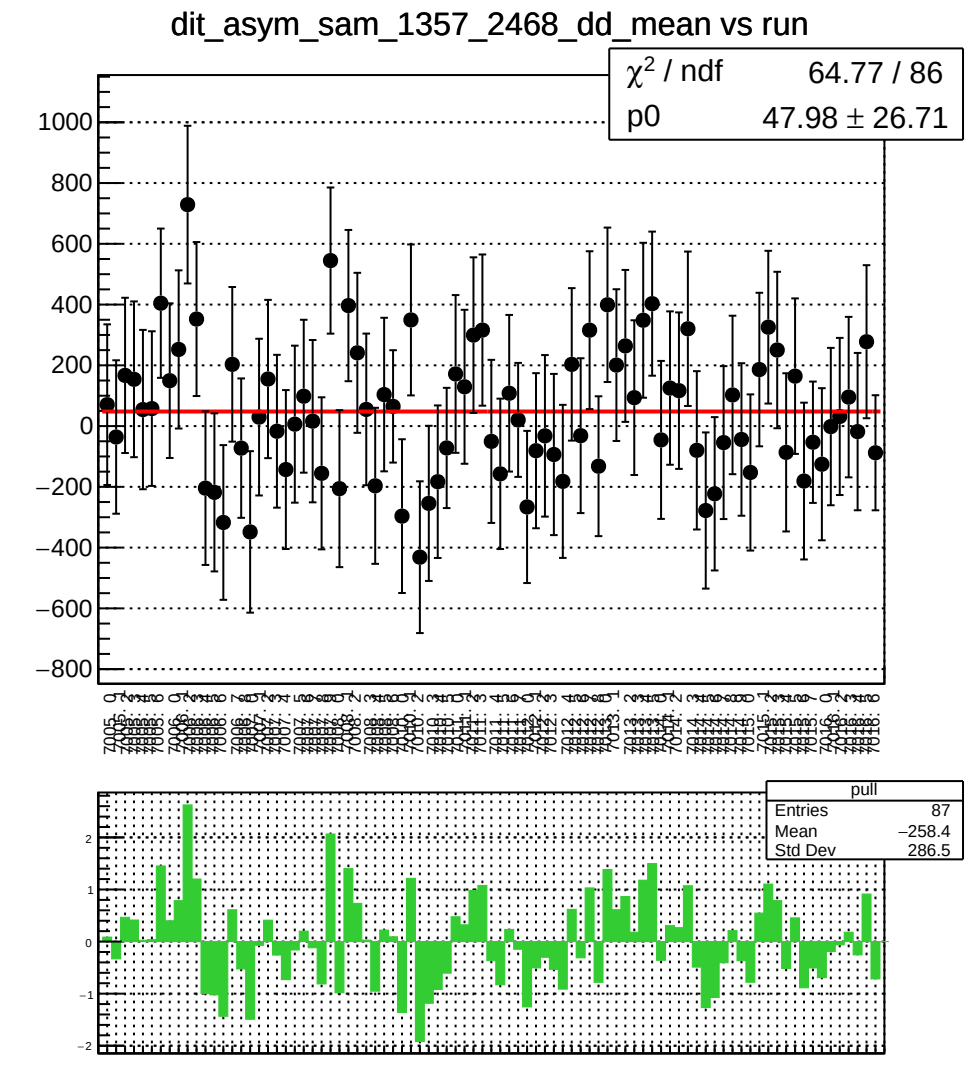

pull1D
Entries 87
Mean −0.01177
Std Dev 0.9714
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

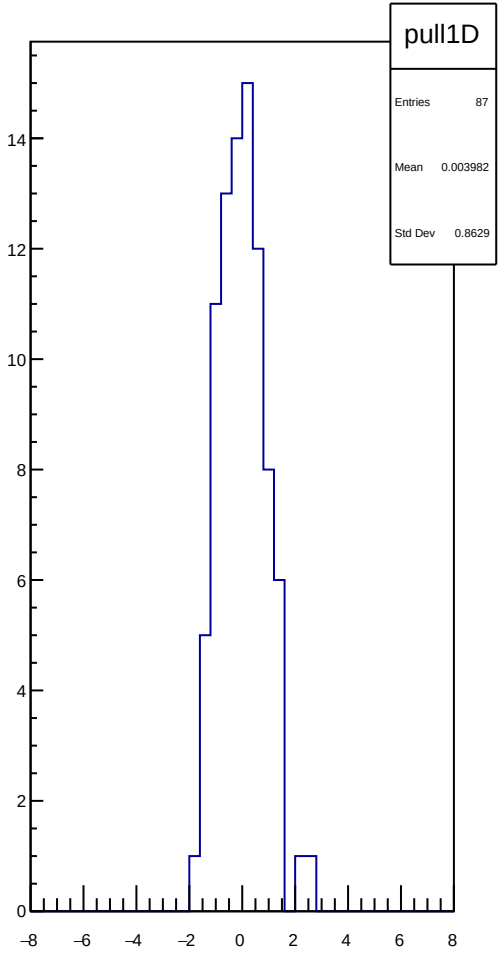

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6070 / 86
p0 824.9 ± 0.6423
950
900
850
800
750

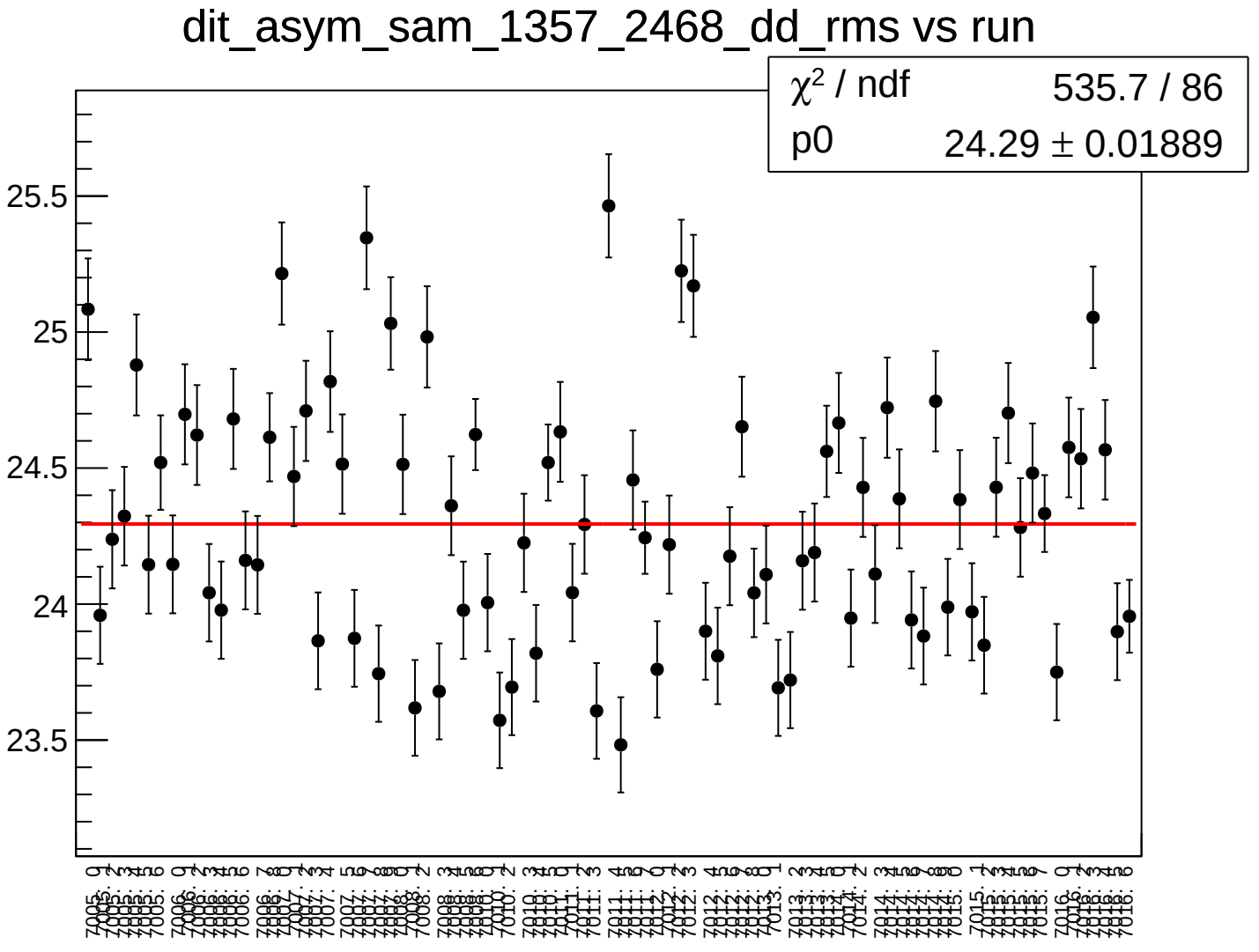

asym_sam_2468_avg_mean vs run
χ² / ndf 80.53 / 86
p0 896.5 ± 888.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 105.6
Std Dev 96.1
2
1
0
−1
−2

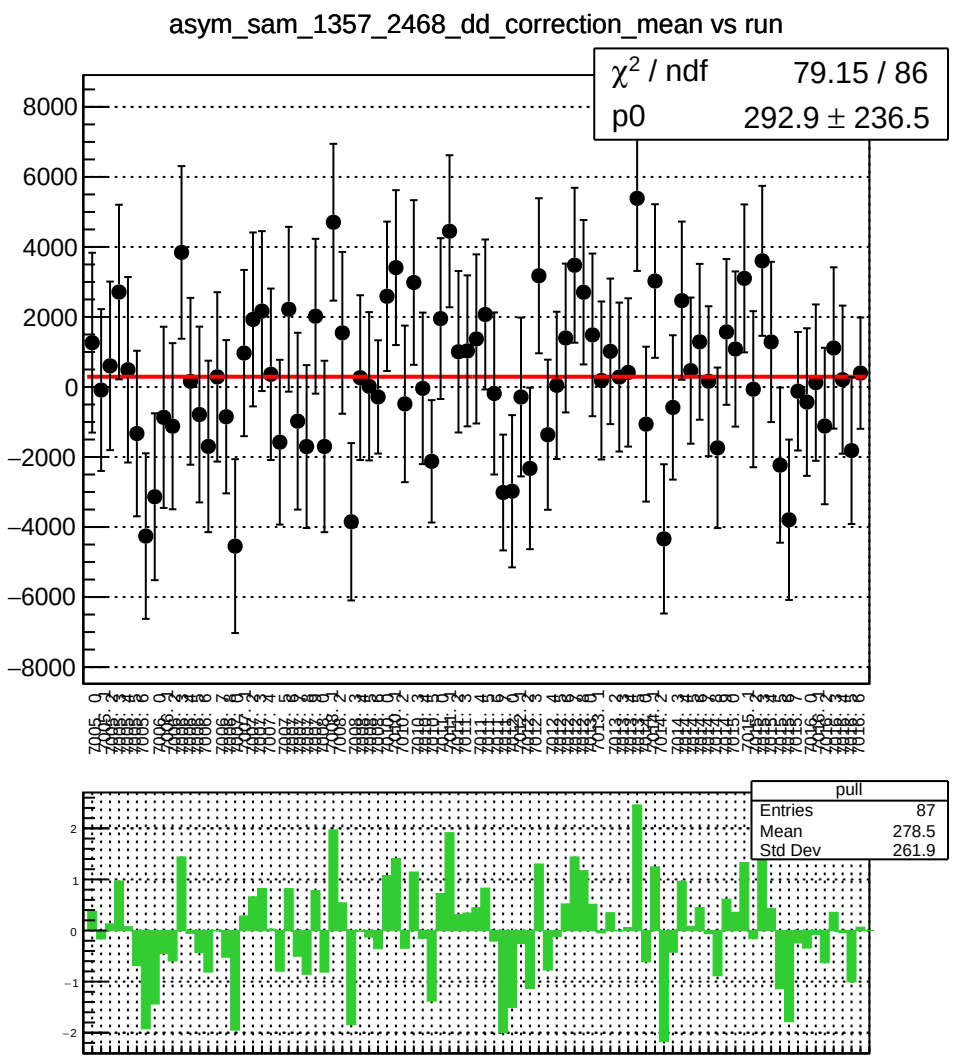

pull1D
Entries 87
Mean 0.01234
Std Dev 0.962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

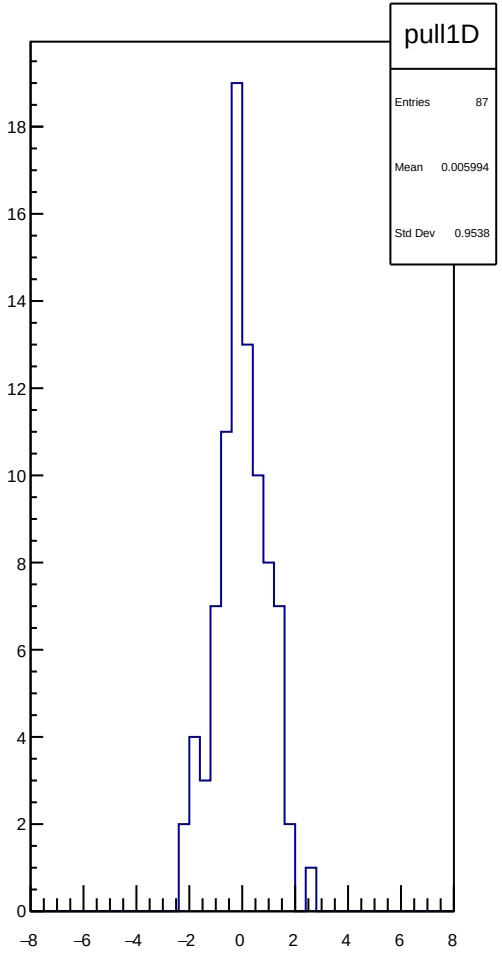

asym_sam_2468_avg_rms vs run
χ² / ndf 7290 / 86
p0 806.6 ± 0.6283
950
900
850
800
750

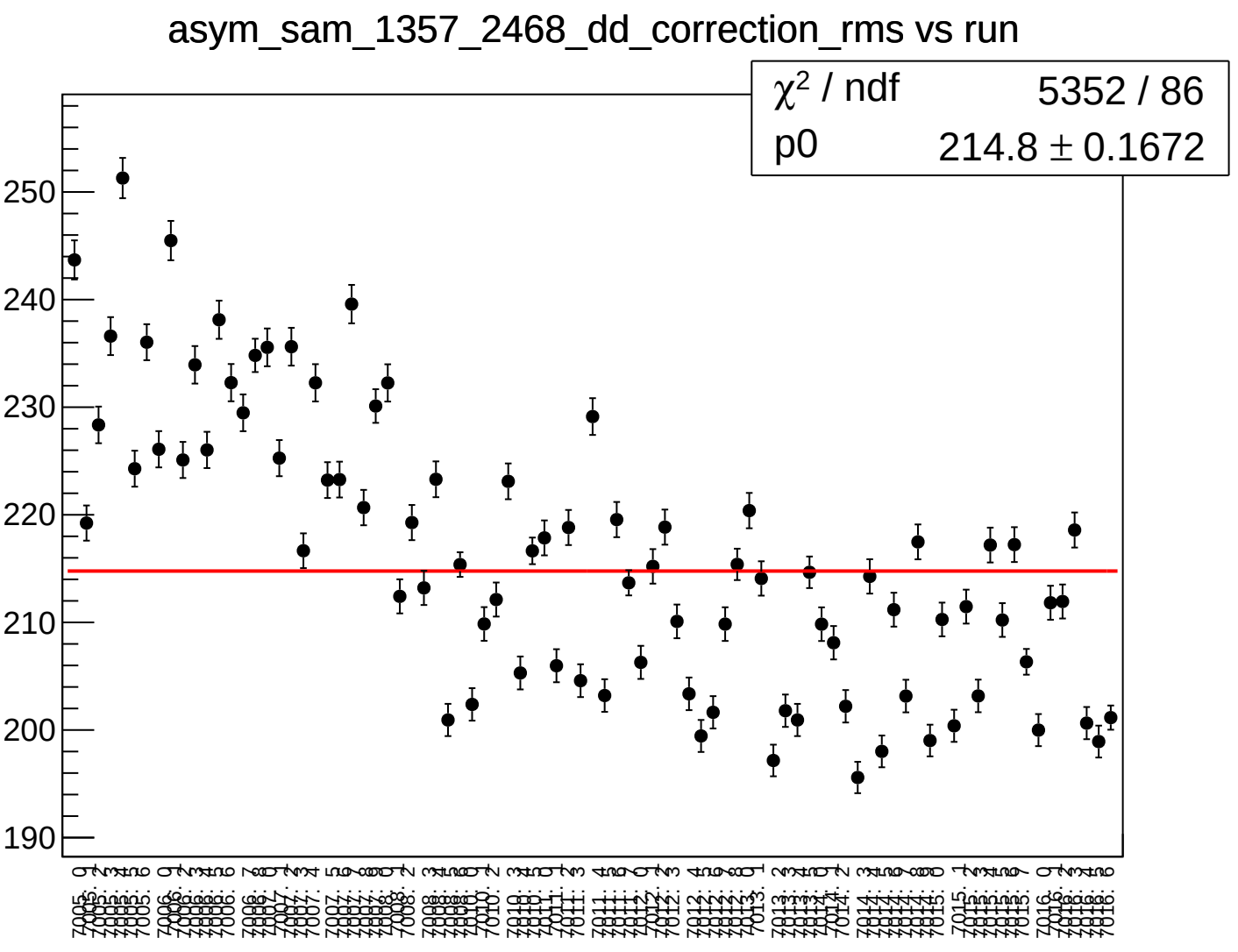

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.77 / 86
p0 47.98 ± 26.71
pull
Entries 87
Mean −258.4
Std Dev 286.5

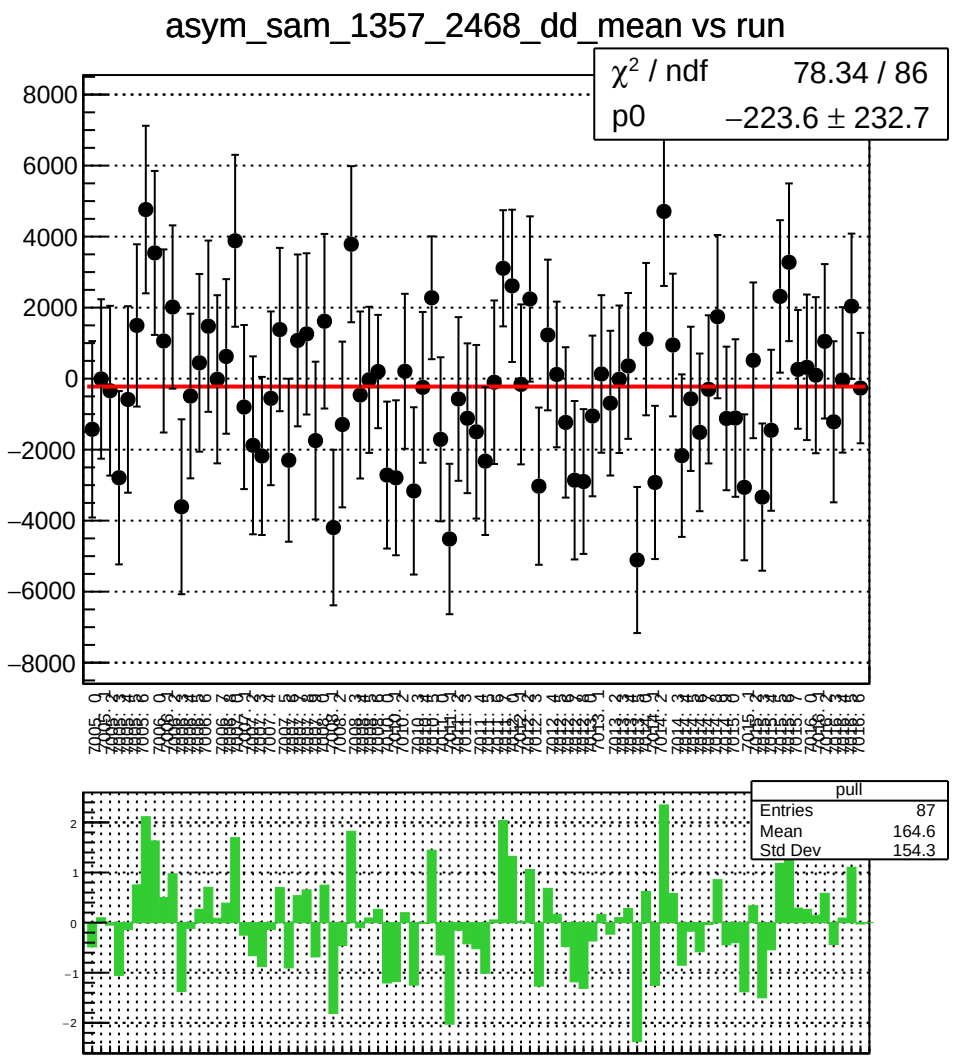

pull1D
Entries 87
Mean 0.003982
Std Dev 0.8629

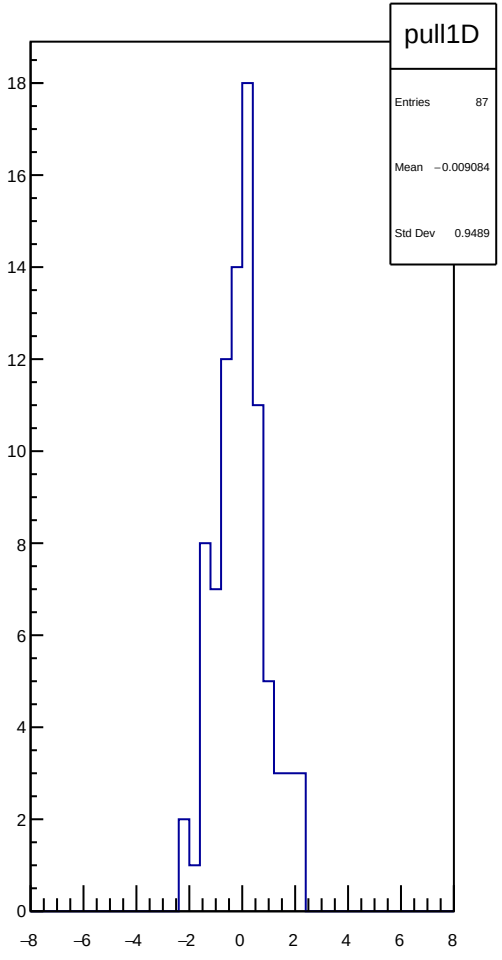

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 535.7 / 86
p0 24.29 ± 0.01889
25.5
25
24.5
24
23.5

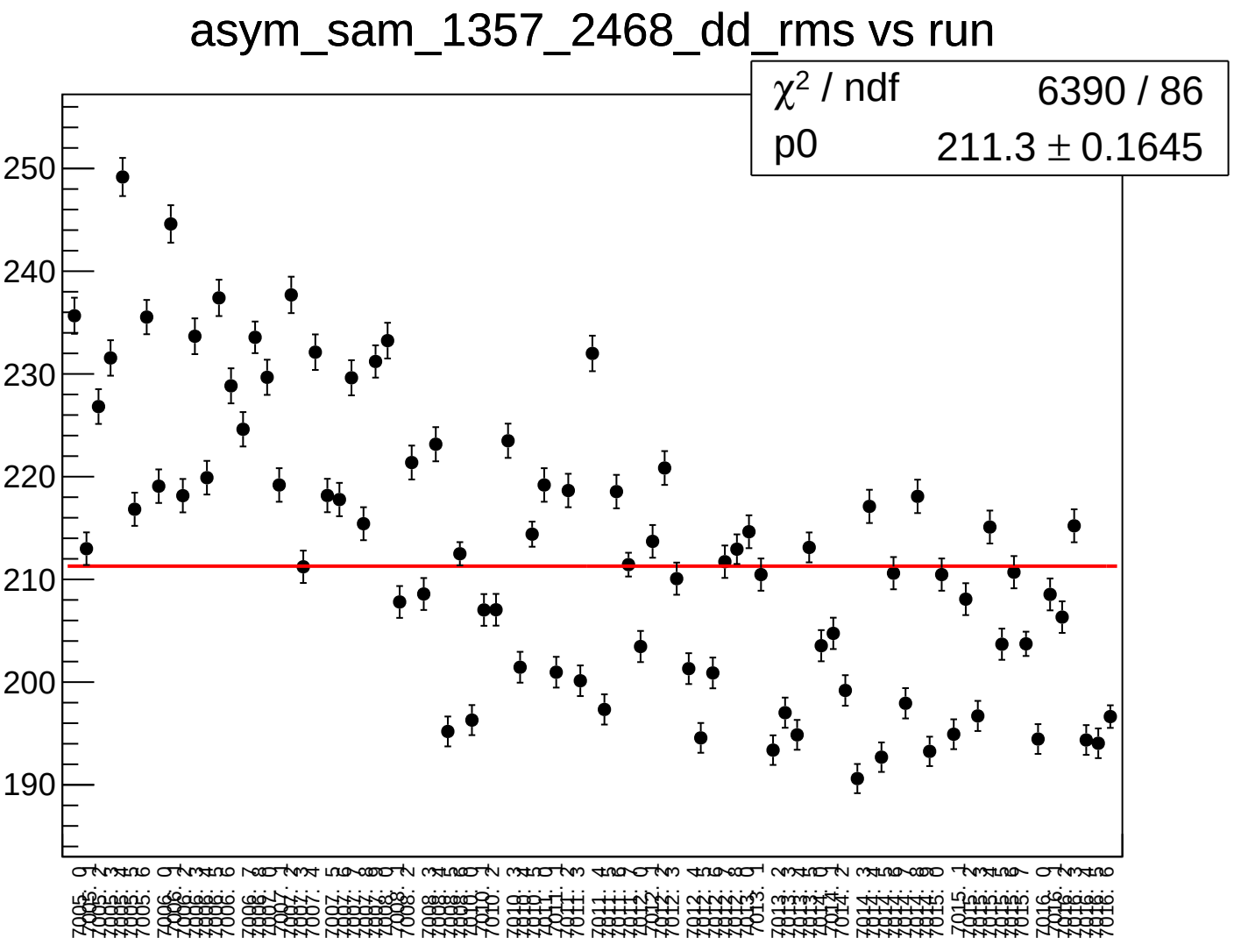

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 79.15 / 86
p0 292.9 ± 236.5
pull
Entries 87
Mean 278.5
Std Dev 261.9

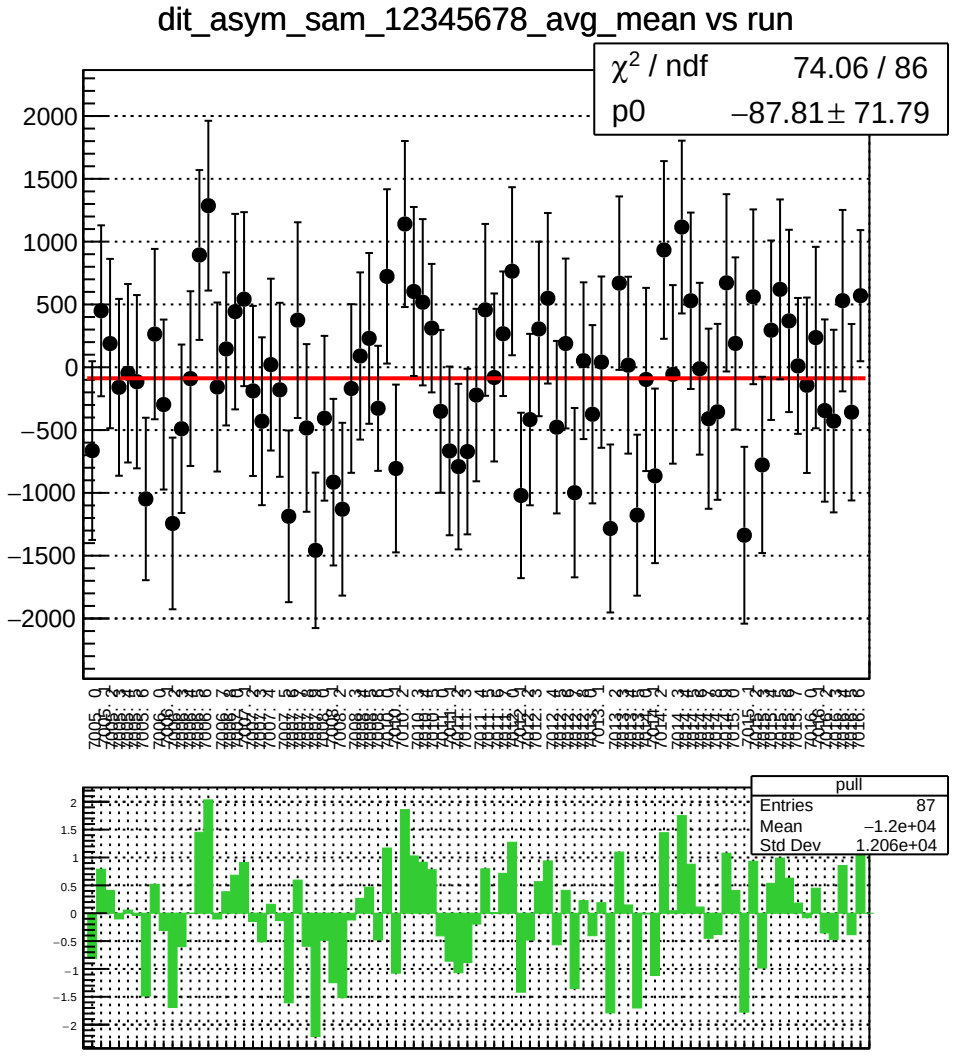

pull1D
Entries 87
Mean 0.005994
Std Dev 0.9538

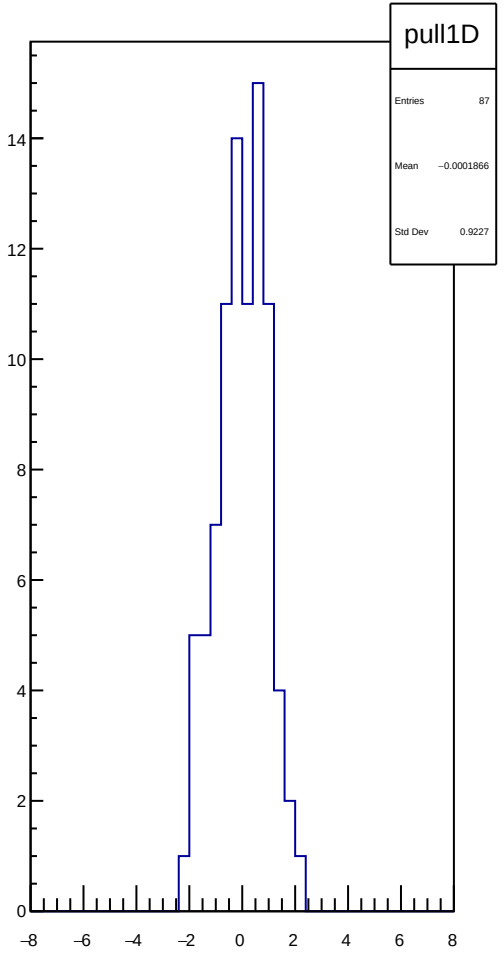

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 5352 / 86
p0 214.8 ± 0.1672
250
240
230
220
210
200
190

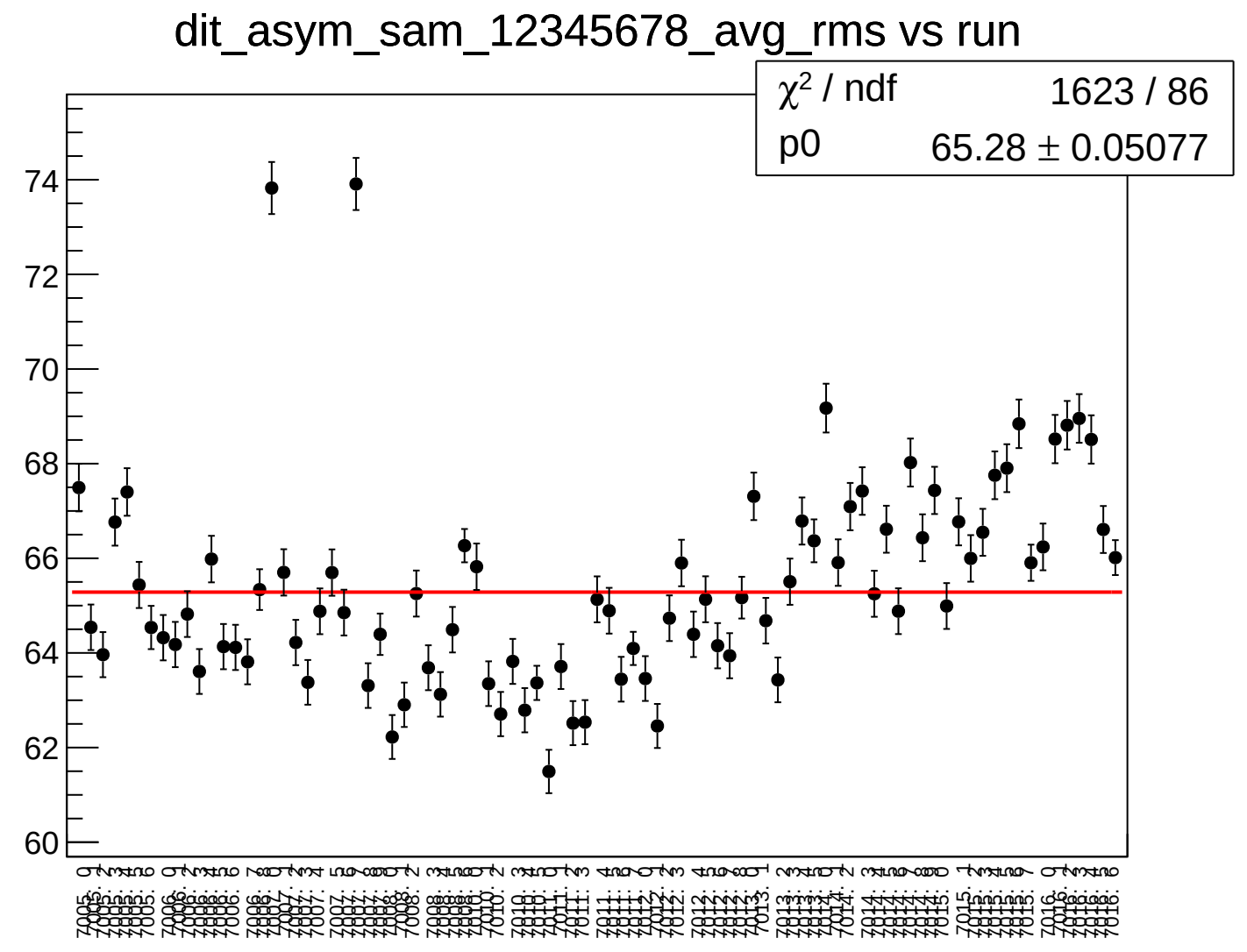

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.34 / 86
p0 −223.6 ± 232.7
pull
Entries 87
Mean 164.6
Std Dev 154.3

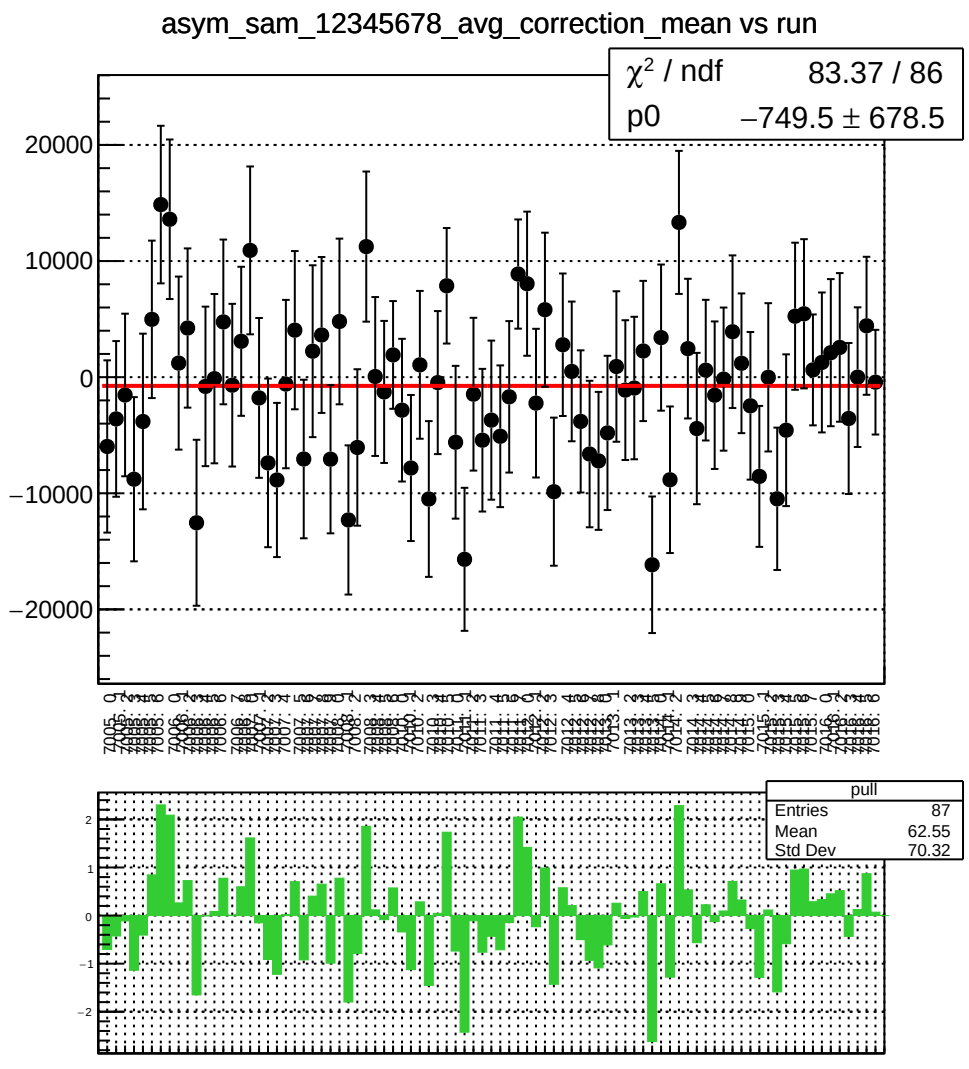

pull1D
Entries 87
Mean −0.009084
Std Dev 0.9489

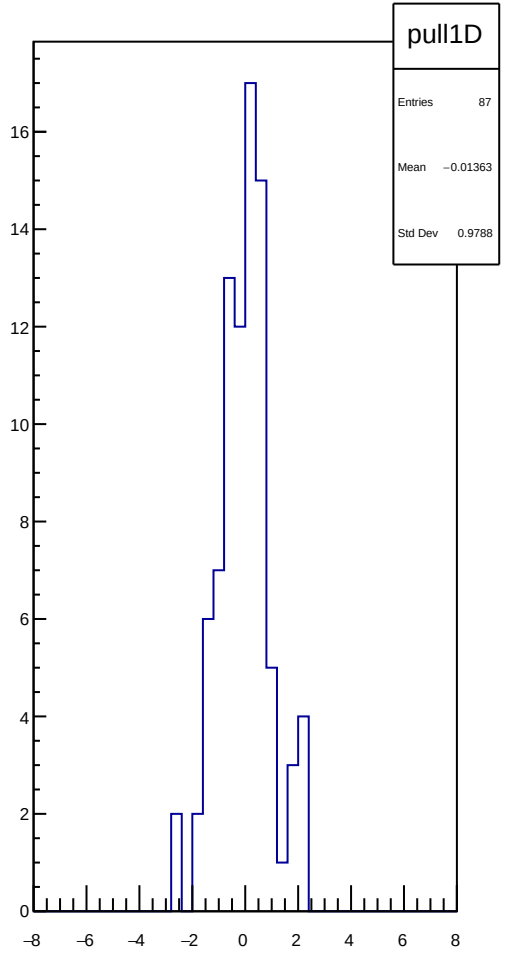

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6390 / 86
p0 211.3 ± 0.1645
250
240
230
220
210
200
190

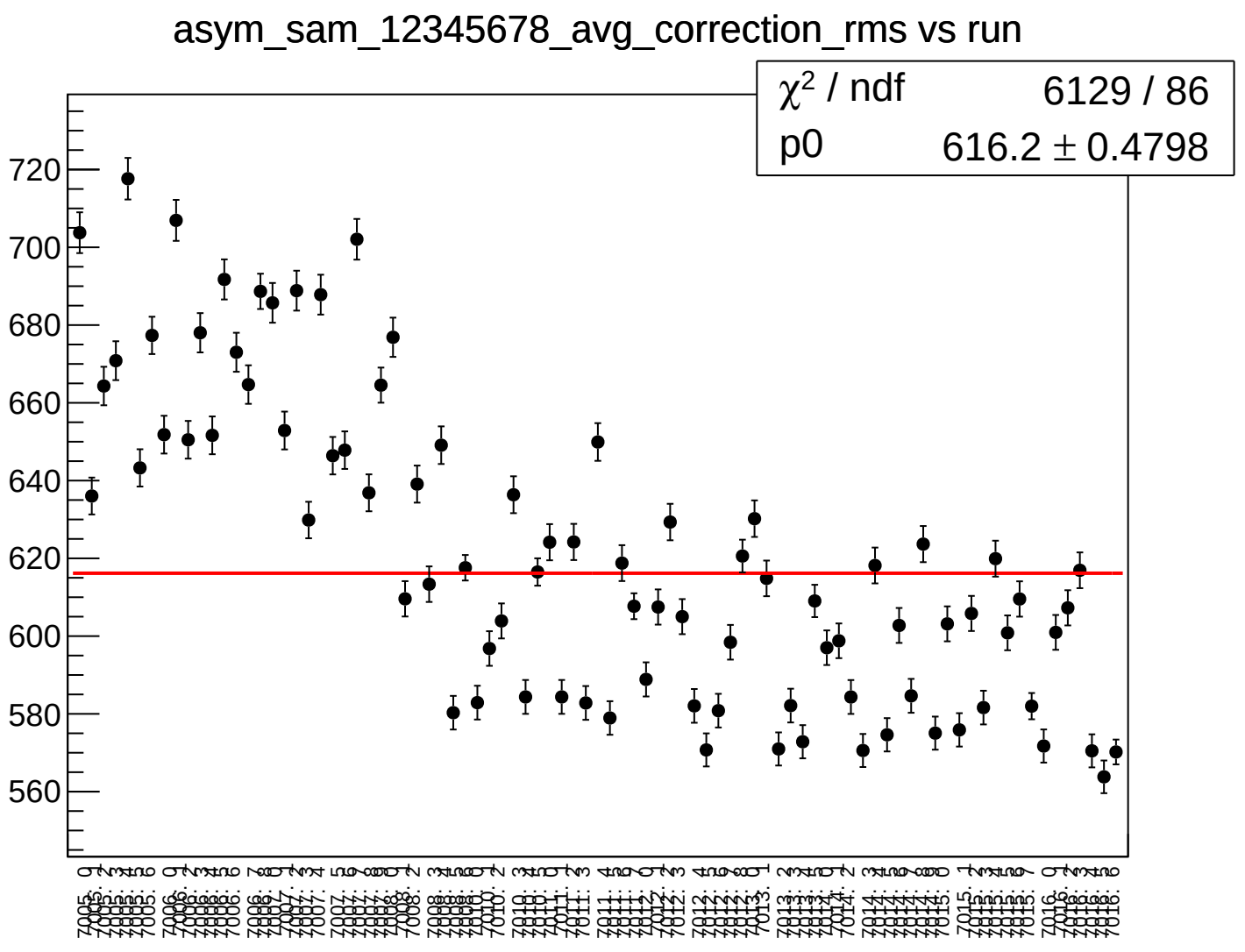

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 74.06 / 86
p0 −87.81 ± 71.79
pull
Entries 87
Mean −1.2e+04
Std Dev 1.206e+04

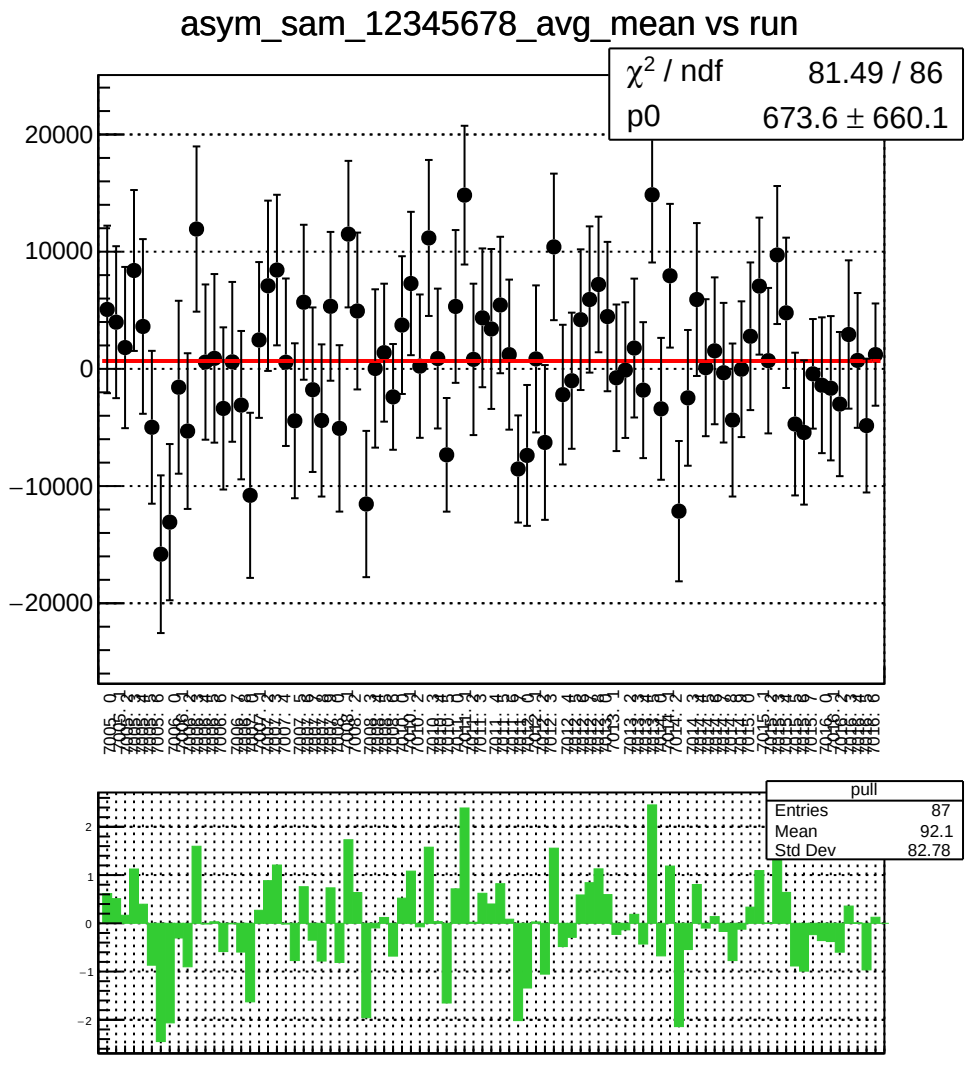

pull1D
Entries 87
Mean −0.0001866
Std Dev 0.9227

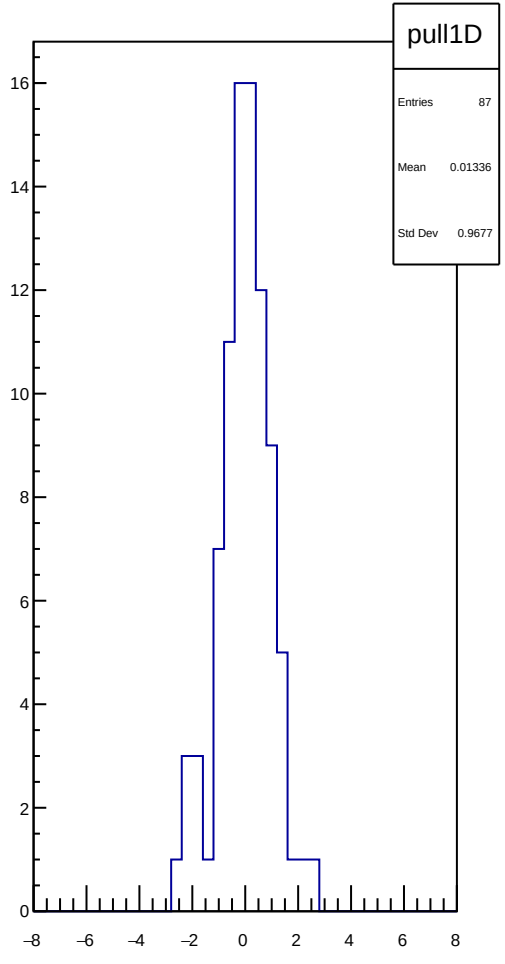

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1623 / 86
p0 65.28 ± 0.05077
74
72
70
68
66
64
62
60

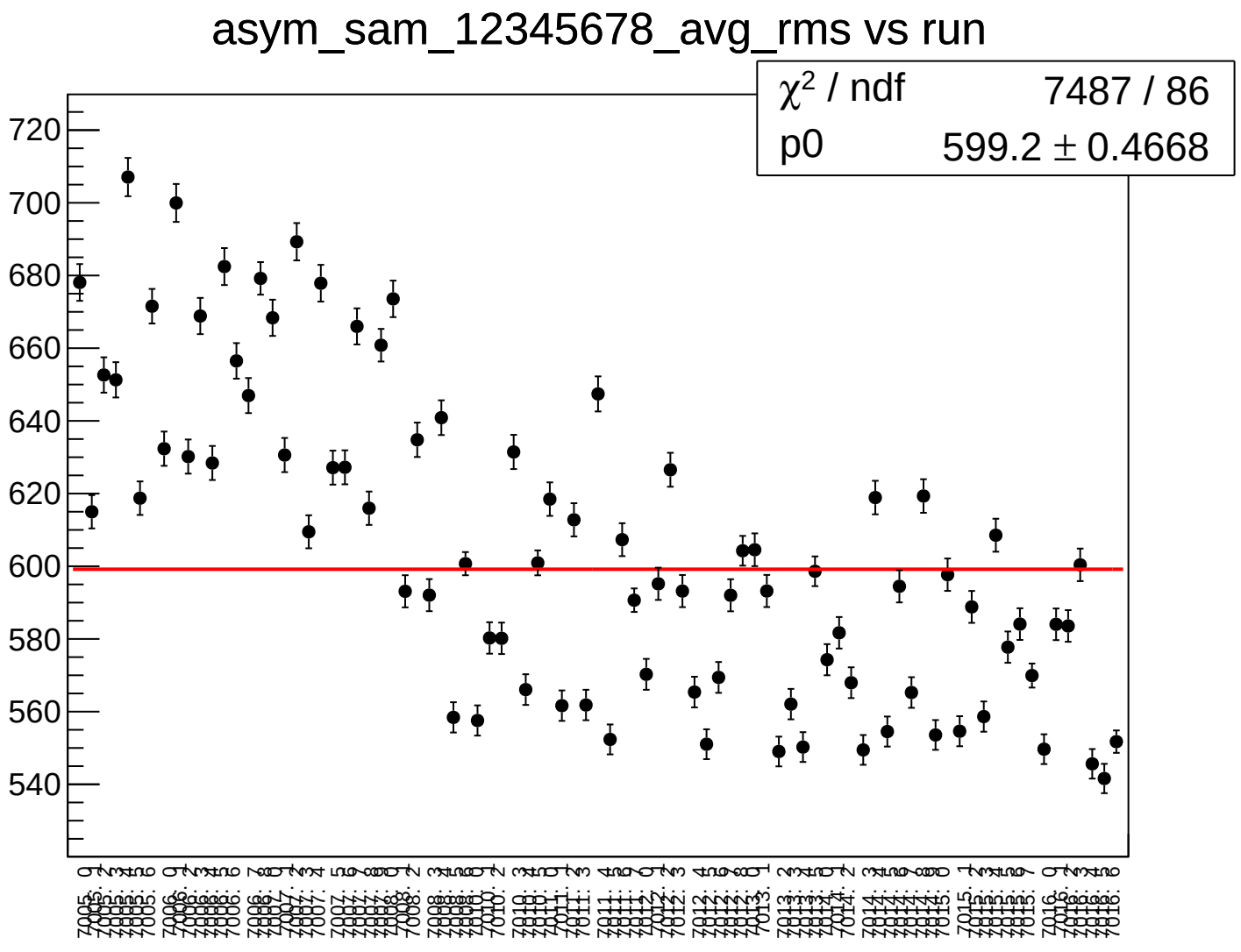

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 83.37 / 86
p0 −749.5 ± 678.5
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 62.55
Std Dev 70.32
2
1
0
−1
−2

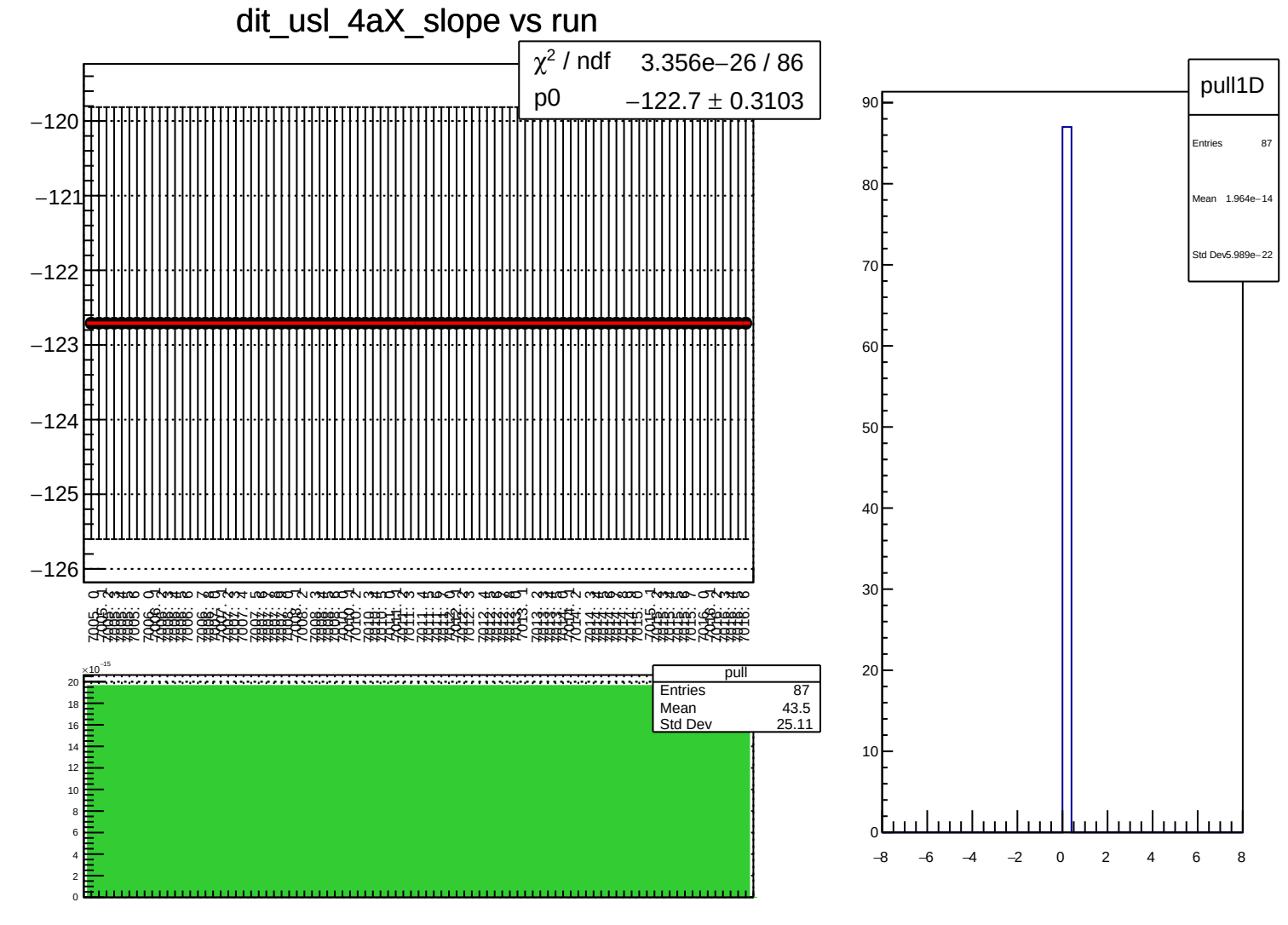

pull1D
Entries 87
Mean −0.01363
Std Dev 0.9788
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

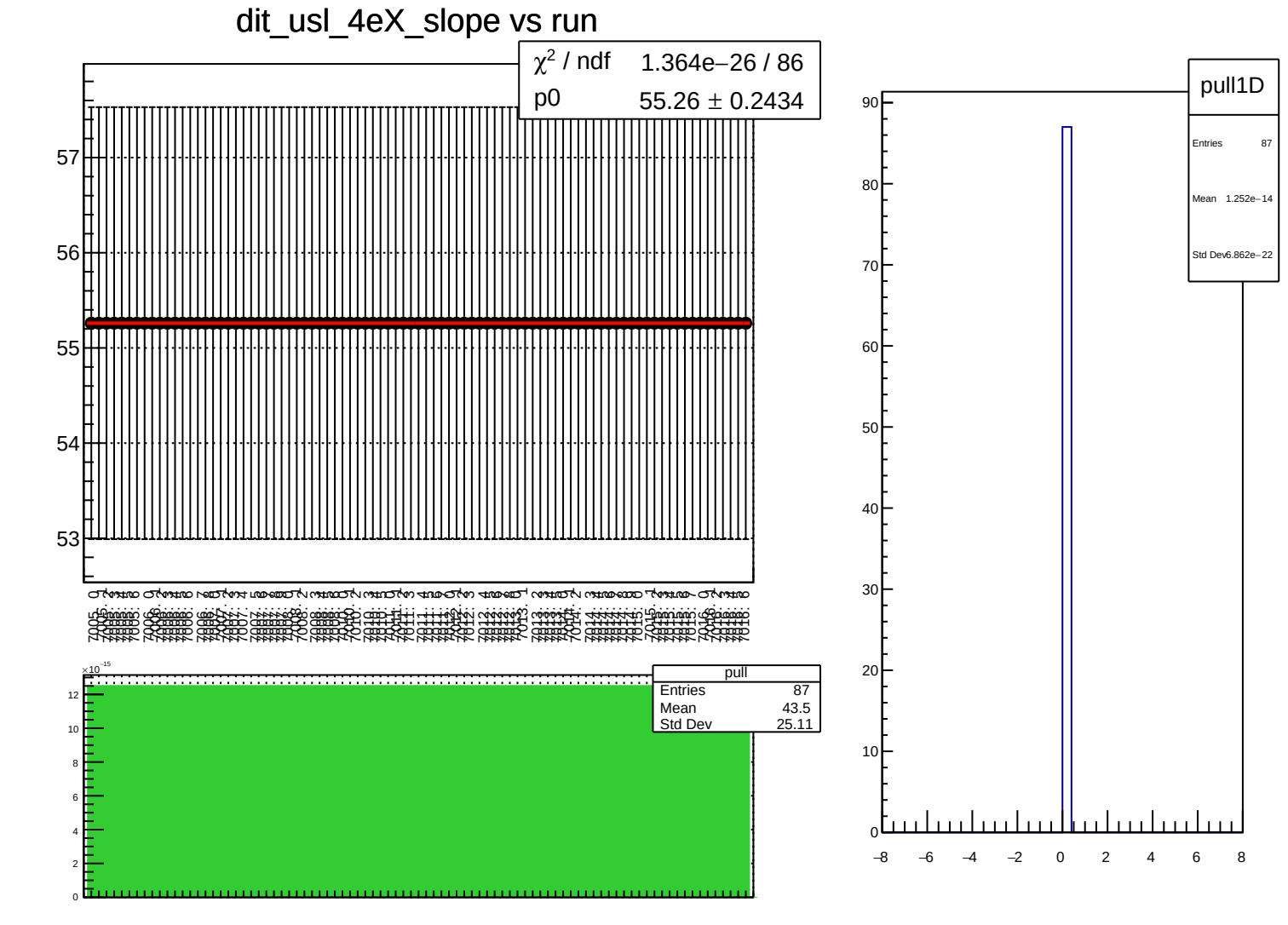

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6129 / 86
p0 616.2 ± 0.4798
720
700
680
660
640
620
600
580
560

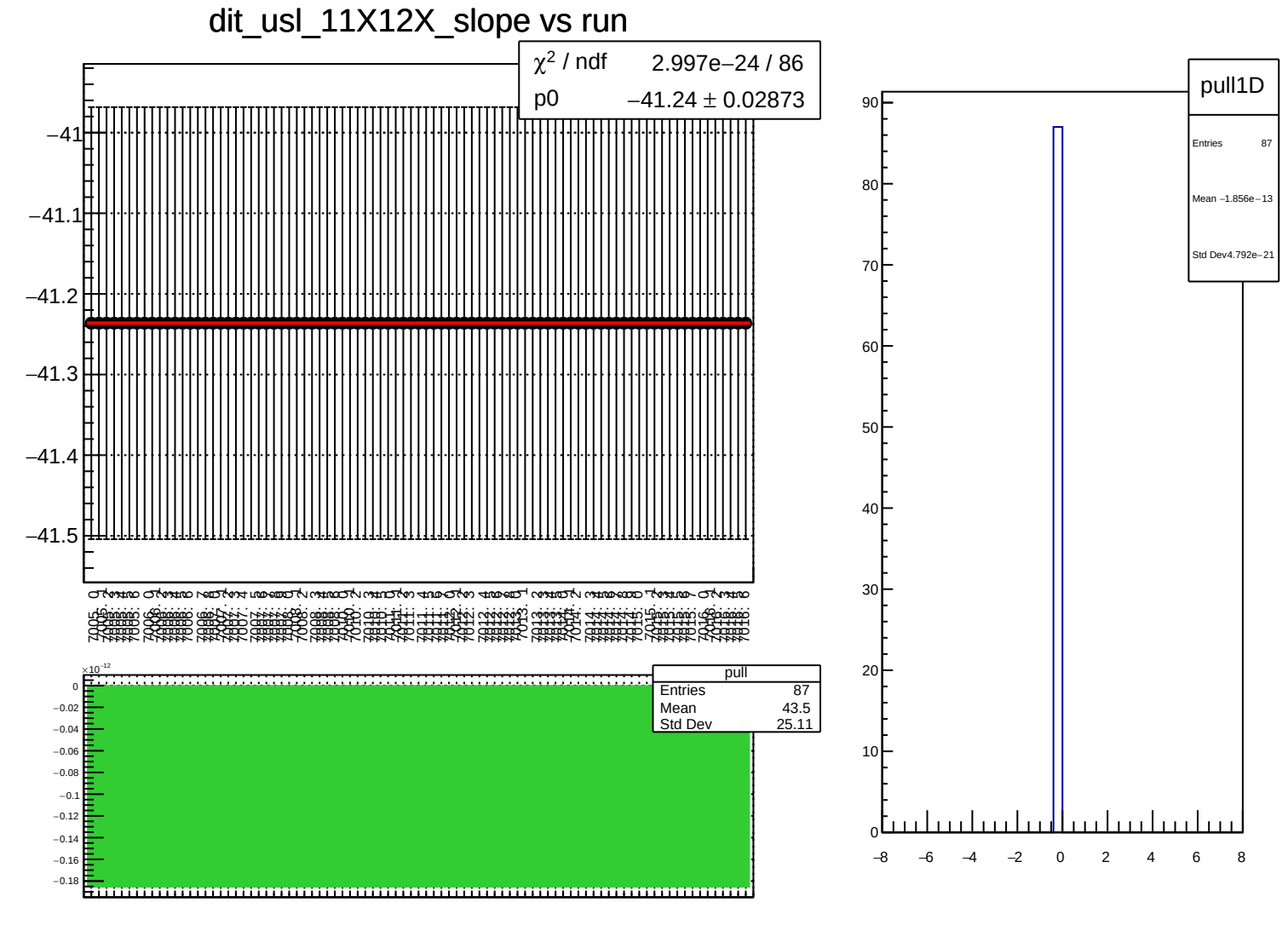

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.49 / 86
p0 673.6 ± 660.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 92.1
Std Dev 82.78
2
1
0
−1
−2

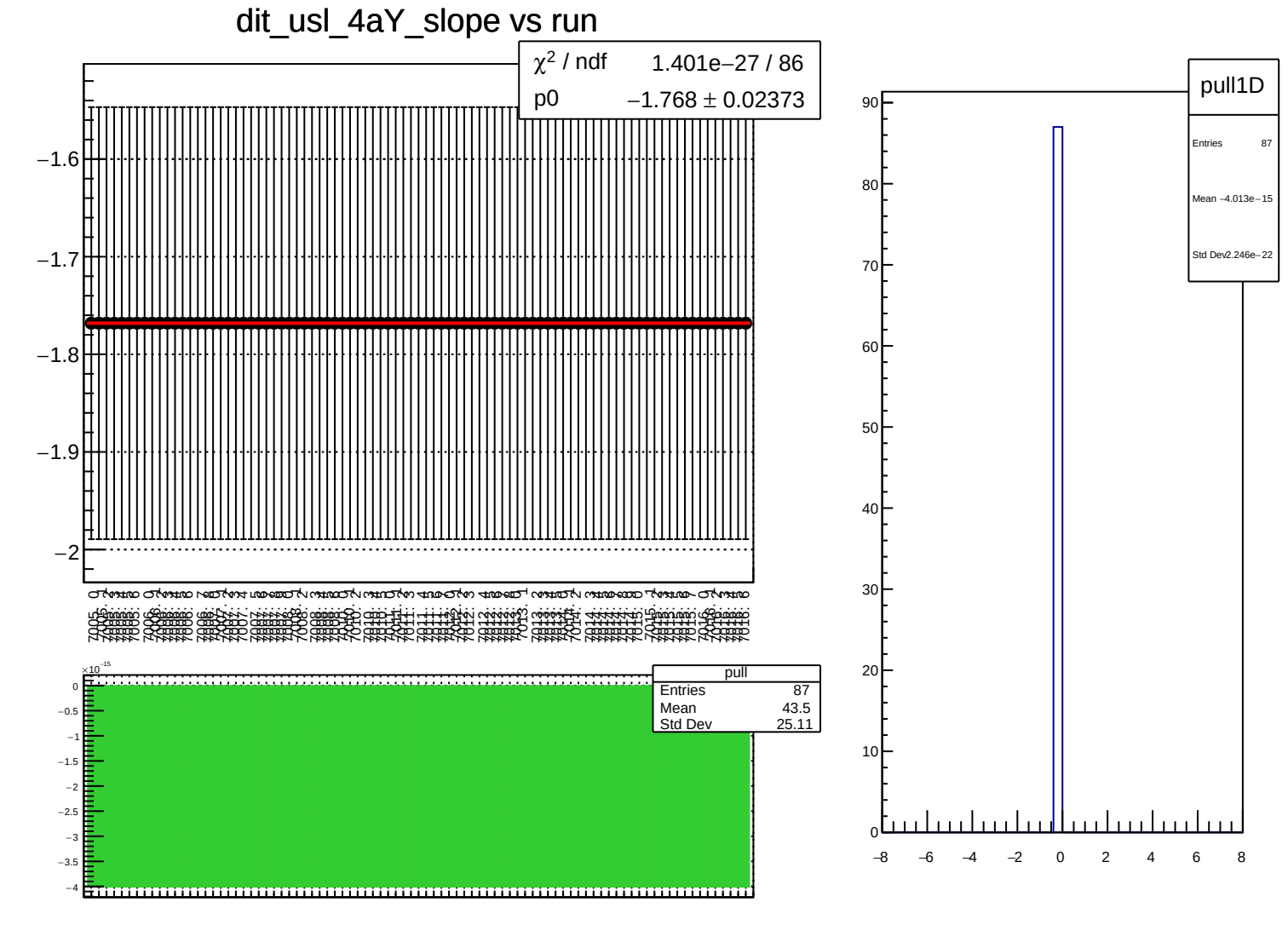

pull1D
Entries 87
Mean 0.01336
Std Dev 0.9677
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

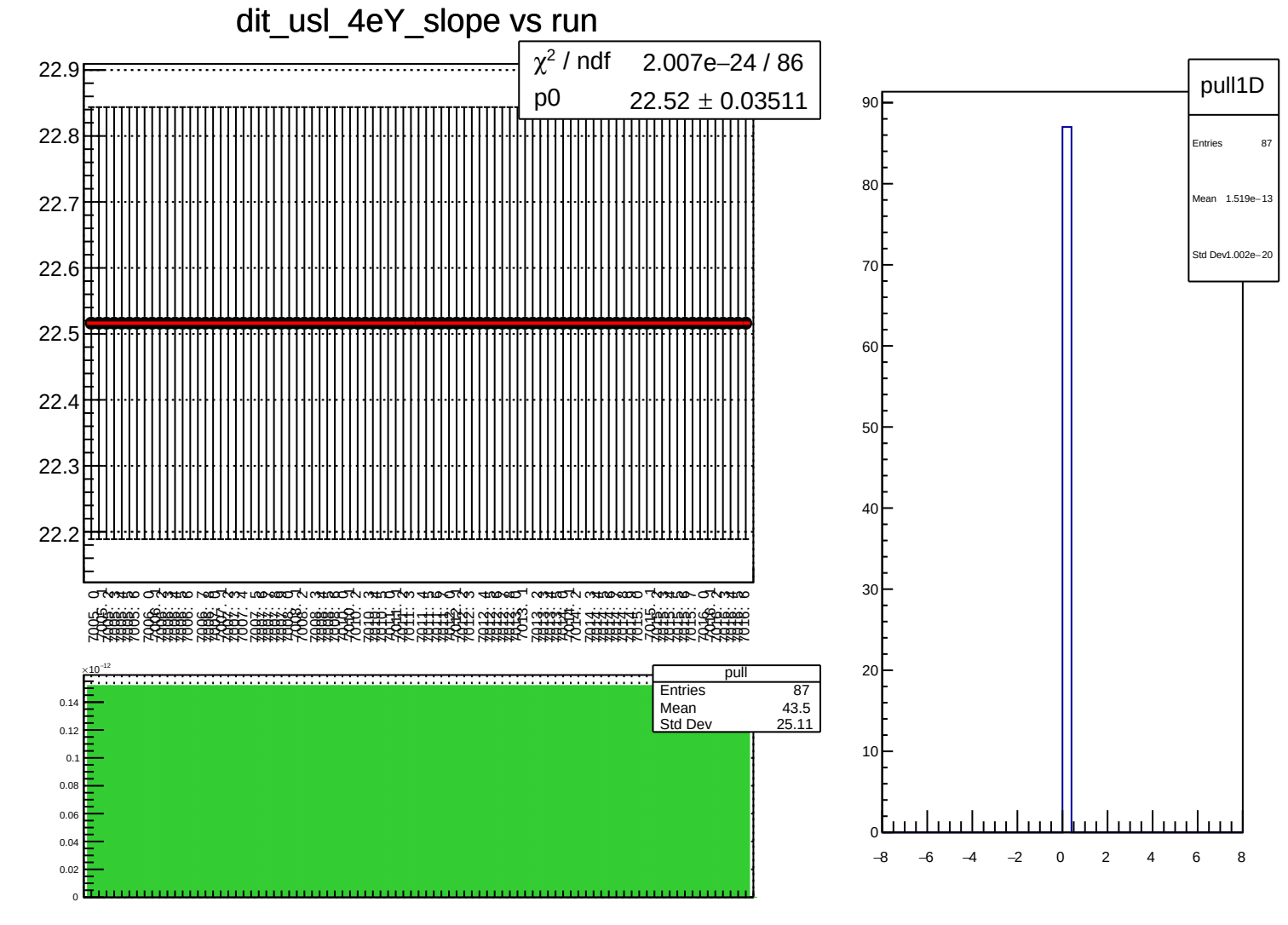

asym_sam_12345678_avg_rms vs run
χ² / ndf 7487 / 86
p0 599.2 ± 0.4668
720
700
680
660
640
620
600
580
560
540

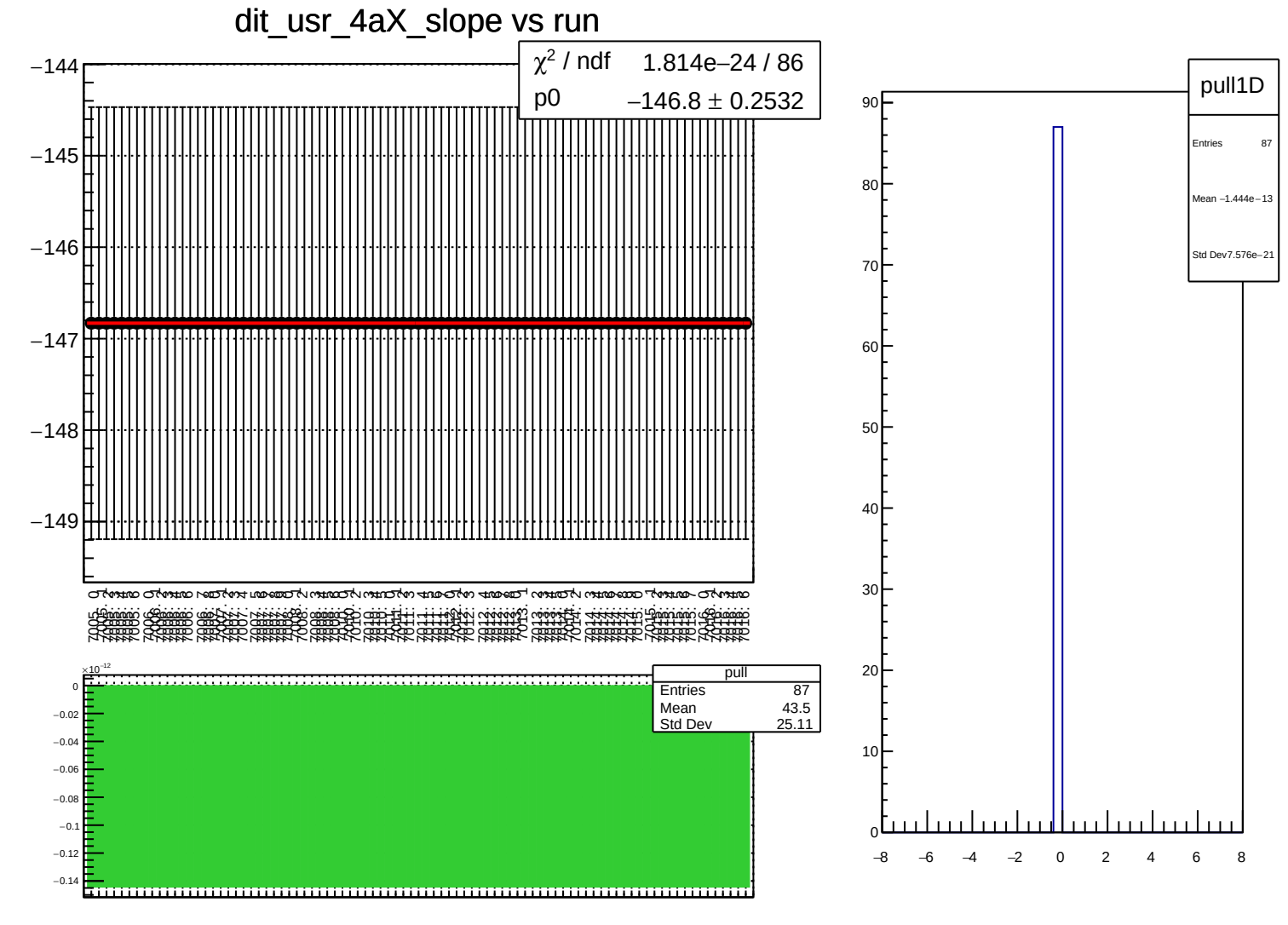

dit_usl_4aX_slope vs run
χ² / ndf 3.356e−26 / 86
p0 −122.7 ± 0.3103
−120
−121
−122
−123
−124
−125
−126
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 1.964e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

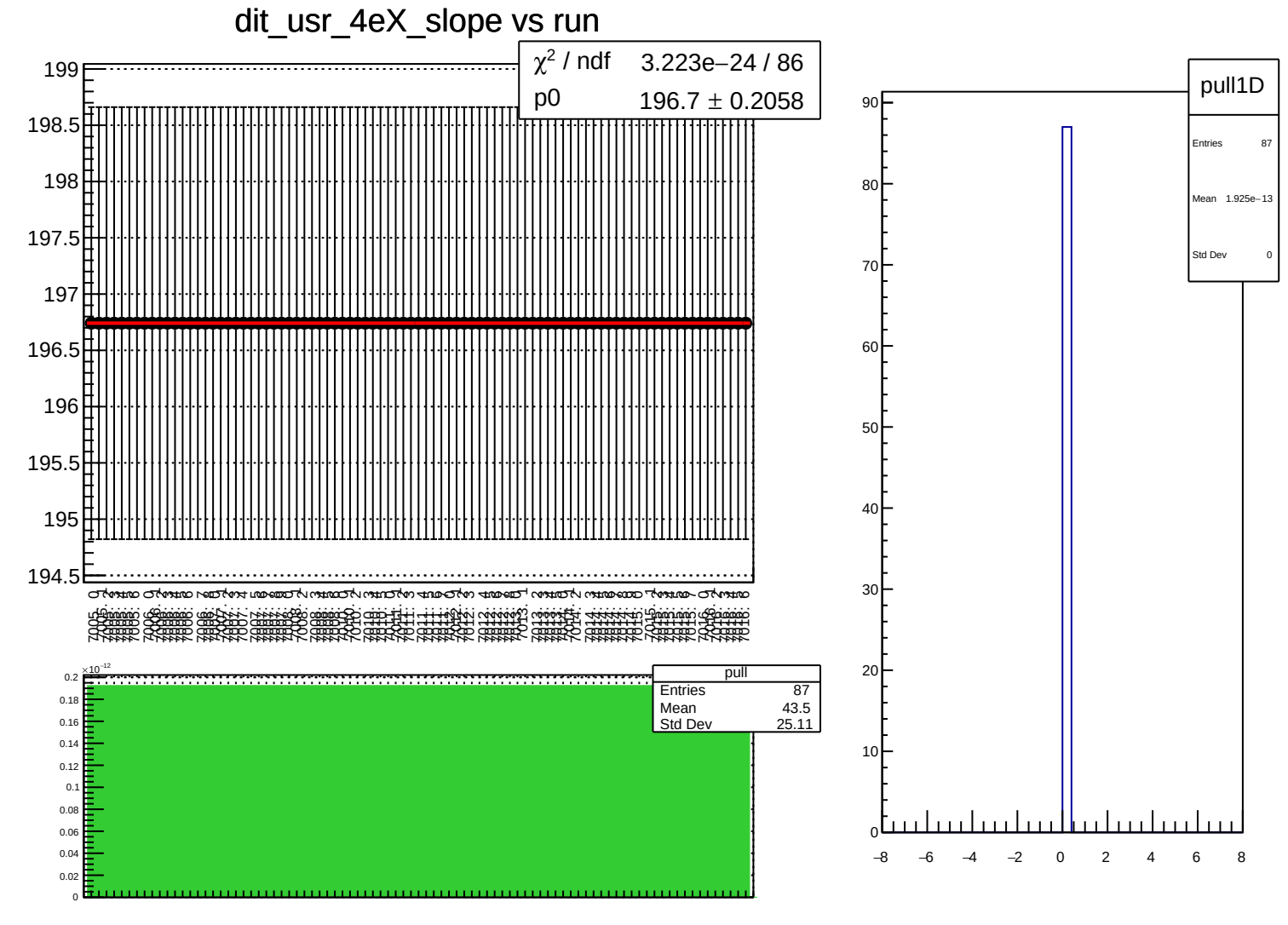

dit_usl_4eX_slope vs run
χ² / ndf 1.364e−26 / 86
p0 55.26 ± 0.2434
57
56
55
54
53
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.252e−14
Std Dev 6.862e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

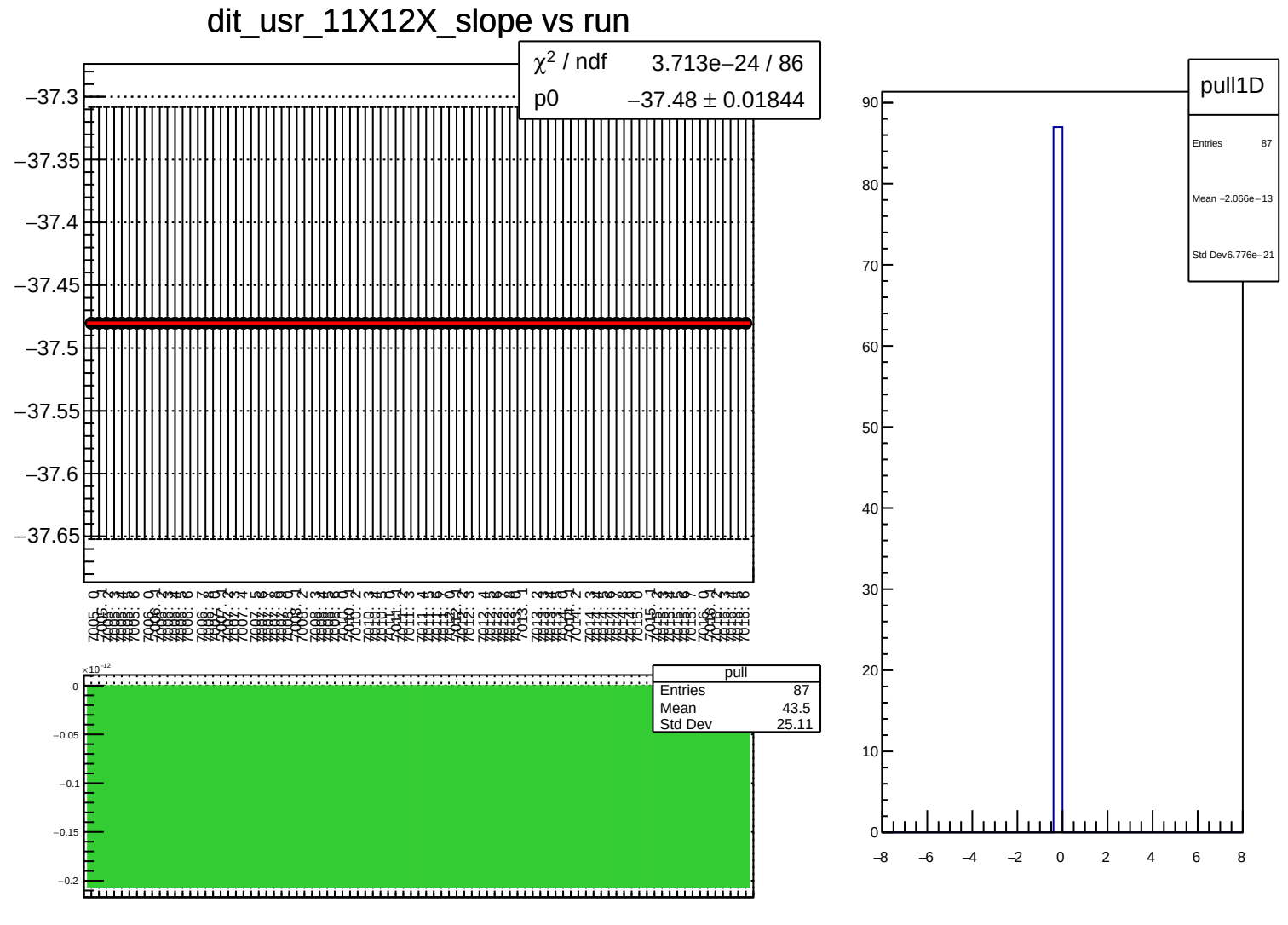

dit_usl_11X12X_slope vs run
χ² / ndf 2.997e−24 / 86
p0 −41.24 ± 0.02873
−41
−41.1
−41.2
−41.3
−41.4
−41.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 87
Mean −1.856e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

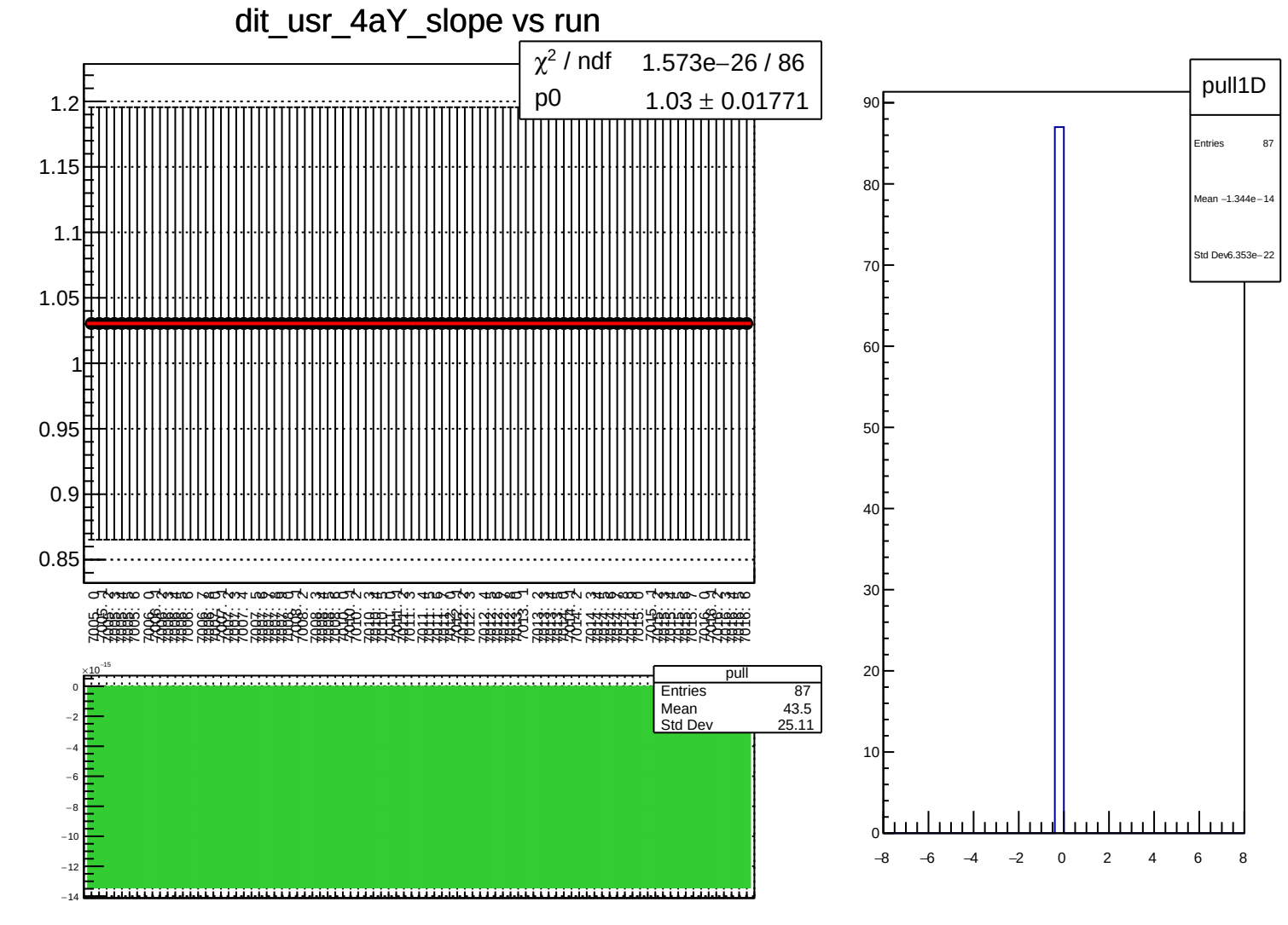

dit_usl_4aY_slope vs run
χ² / ndf 1.401e−27 / 86
p0 −1.768 ± 0.02373
−1.6
−1.7
−1.8
−1.9
−2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 87
Mean −4.013e−15
Std Dev 2.246e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

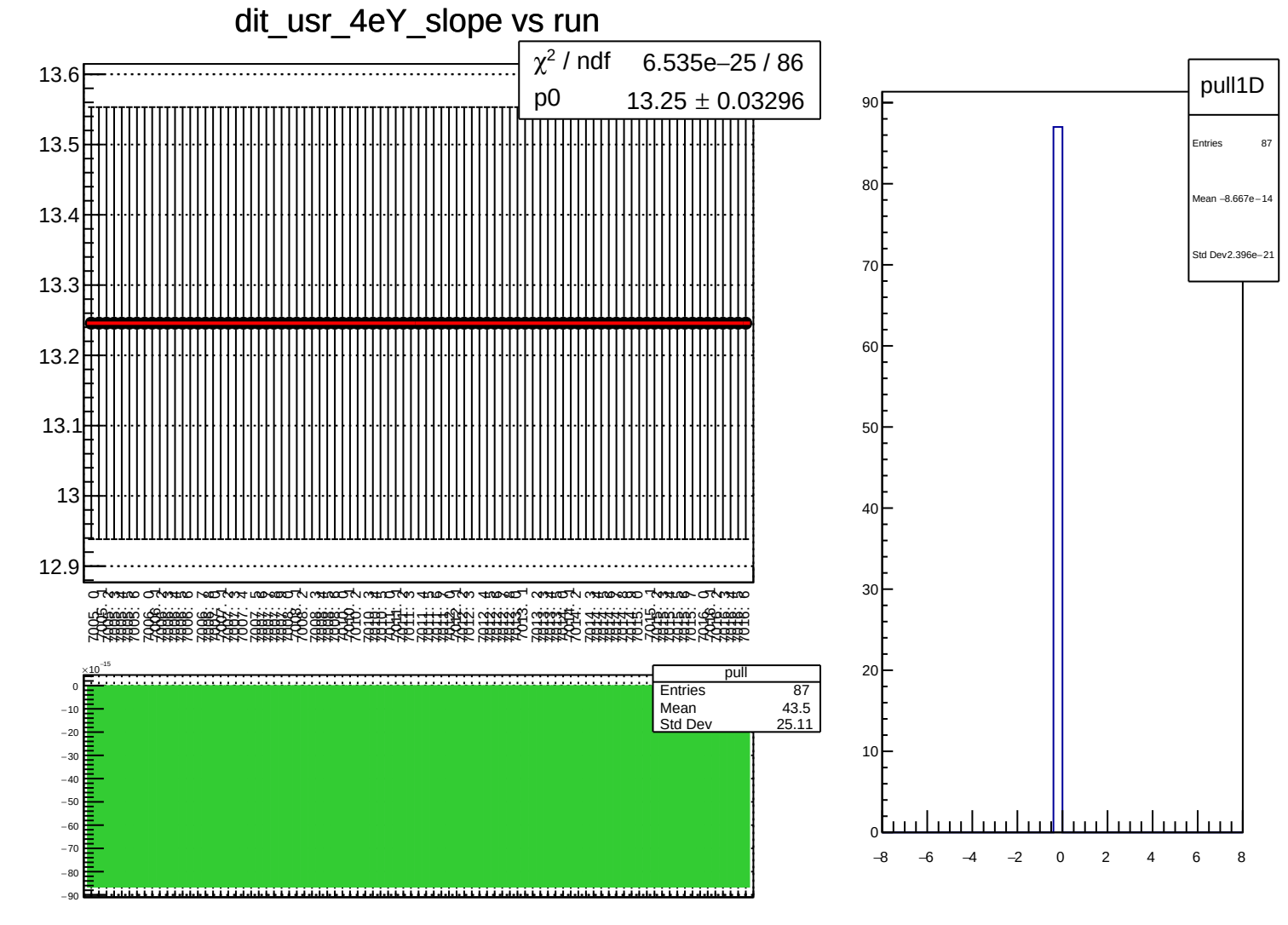

dit_usl_4eY_slope vs run
χ² / ndf 2.007e−24 / 86
p0 22.52 ± 0.03511
22.9
22.8
22.7
22.6
22.5
22.4
22.3
22.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.519e−13
Std Dev1.002e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

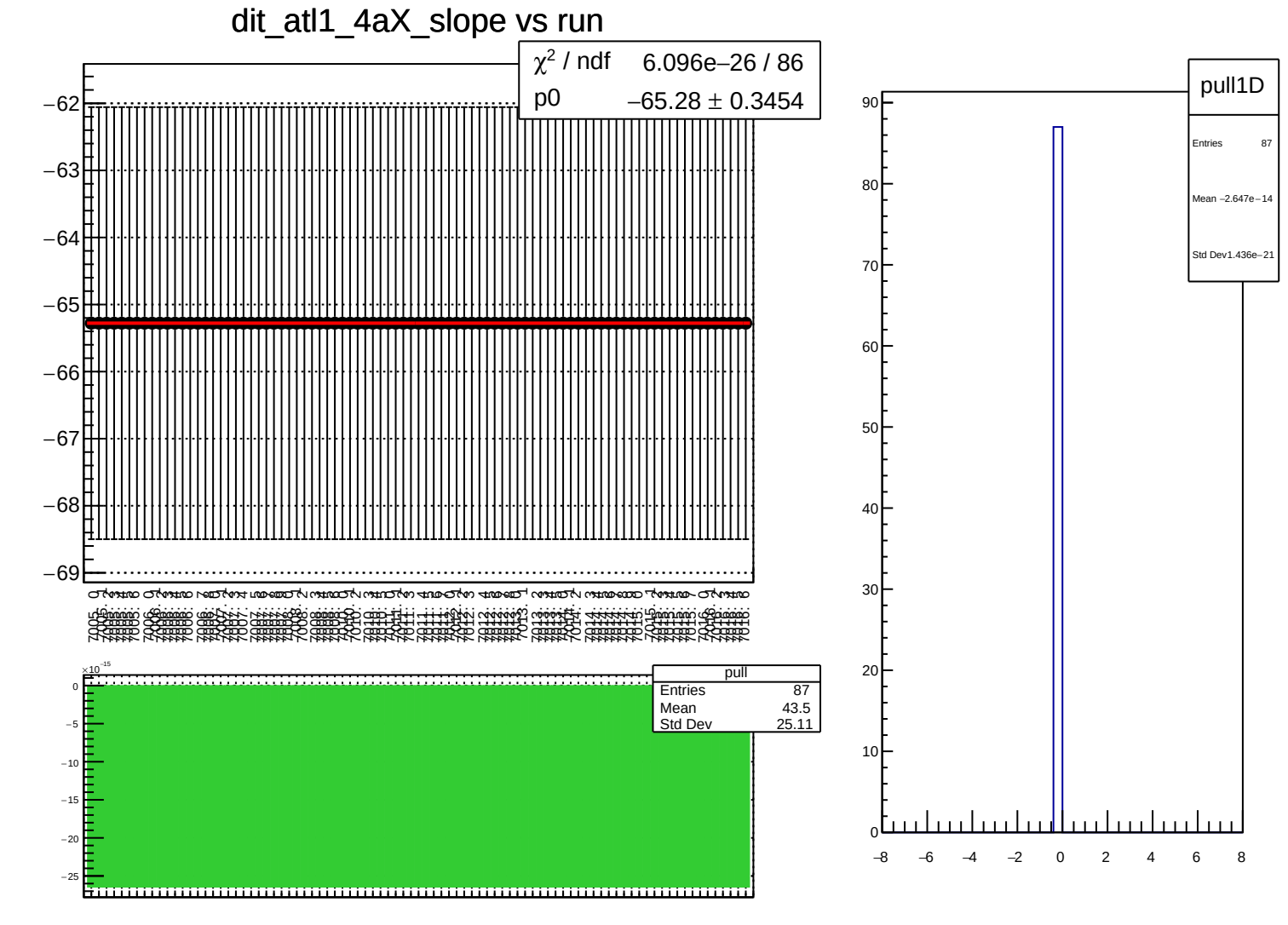

dit_usr_4aX_slope vs run
χ² / ndf 1.814e−24 / 86
p0 −146.8 ± 0.2532
−144
−145
−146
−147
−148
−149
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 87
Mean −1.444e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

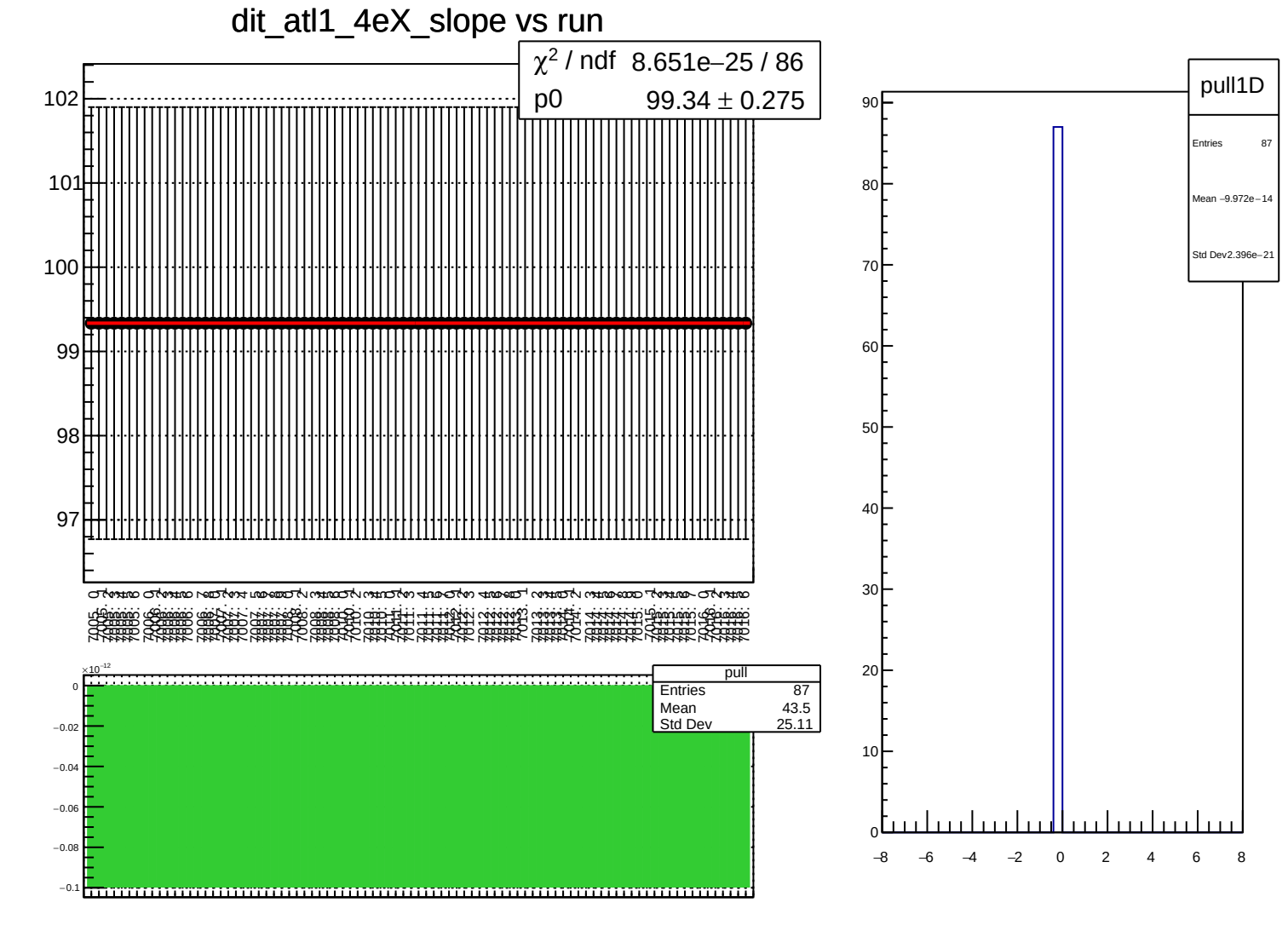

dit_usr_4eX_slope vs run
χ² / ndf 3.223e−24 / 86
p0 196.7 ± 0.2058
199
198.5
198
197.5
197
196.5
196
195.5
195
194.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.925e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

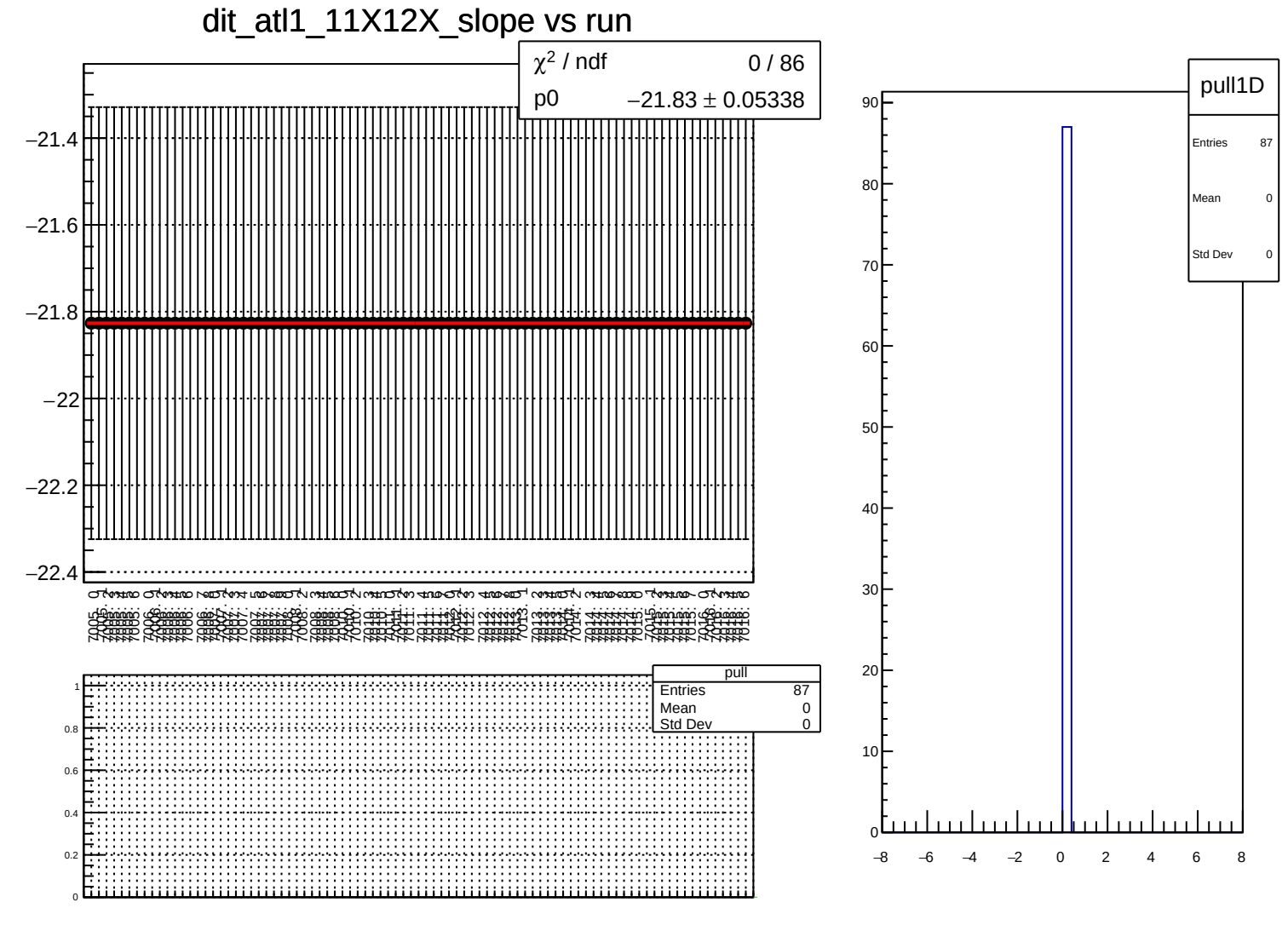

dit_usr_11X12X_slope vs run
χ² / ndf 3.713e−24 / 86
p0 −37.48 ± 0.01844
−37.3
−37.35
−37.4
−37.45
−37.5
−37.55
−37.6
−37.65
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 87
Mean −2.066e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

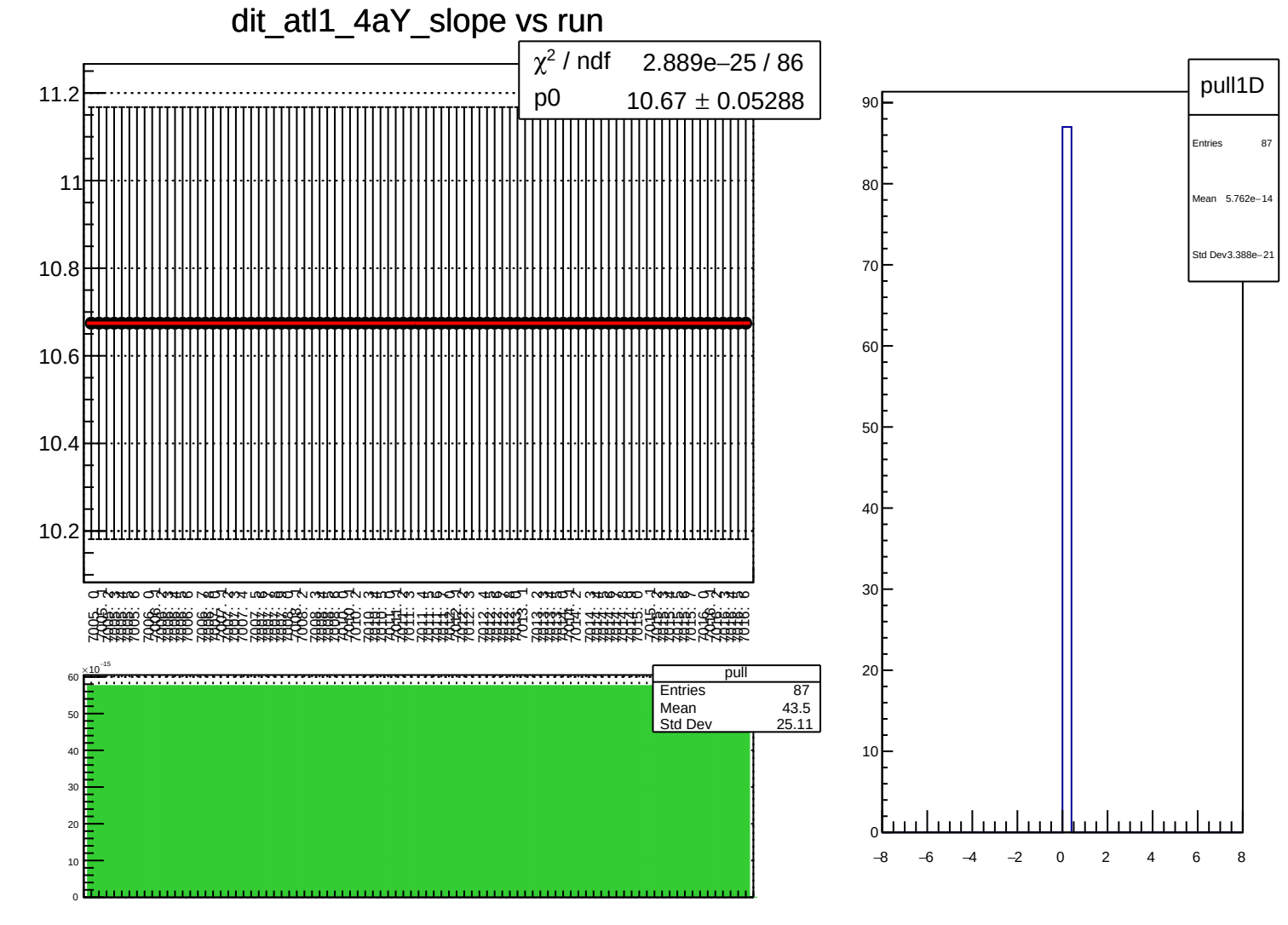

dit_usr_4aY_slope vs run
χ² / ndf 1.573e−26 / 86
p0 1.03 ± 0.01771
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.344e−14
Std Dev 6.353e−22

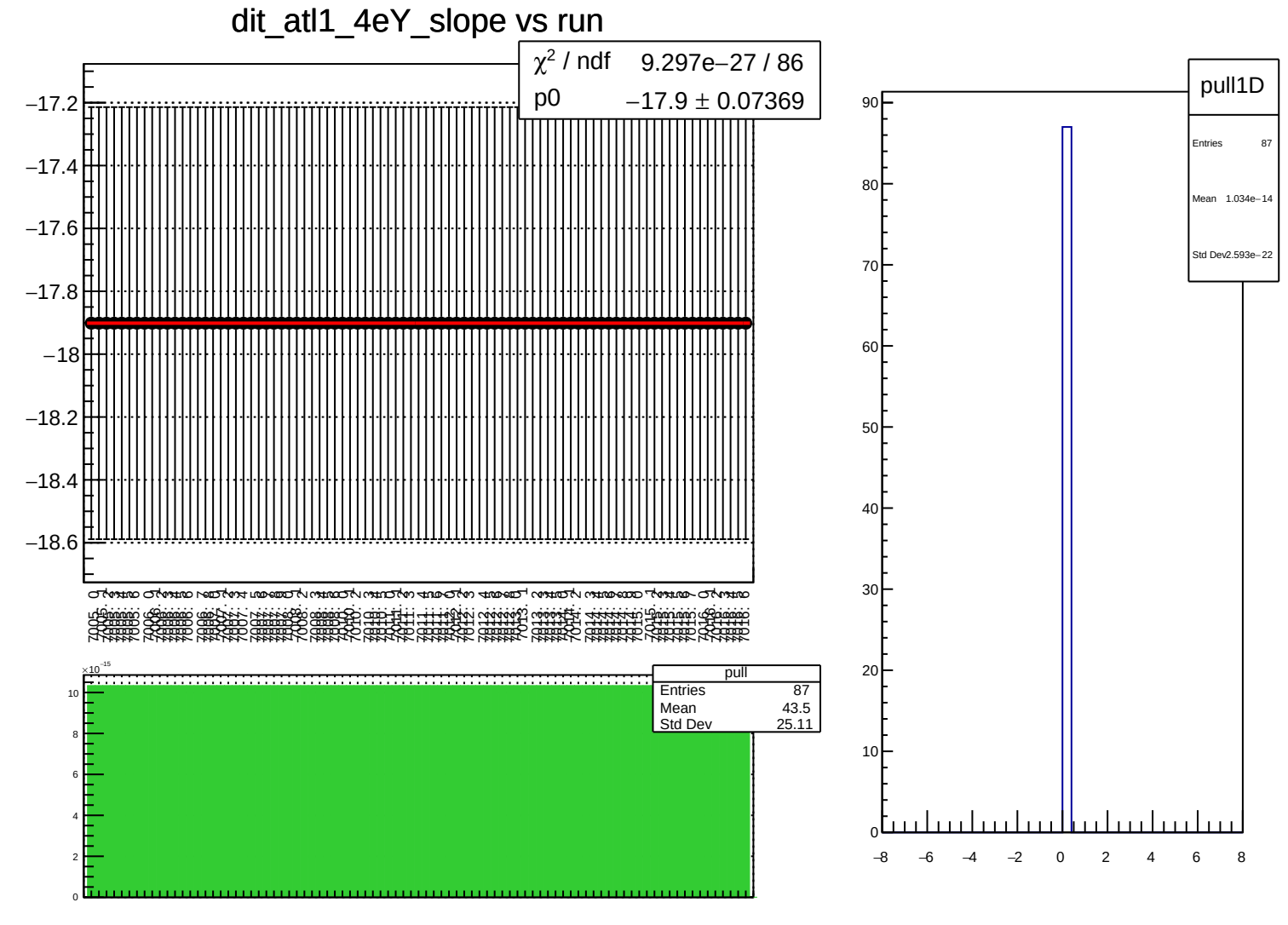

dit_usr_4eY_slope vs run
χ² / ndf 6.535e−25 / 86
p0 13.25 ± 0.03296
13.6
13.5
13.4
13.3
13.2
13.1
13
12.9
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 87
Mean −8.667e−14
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

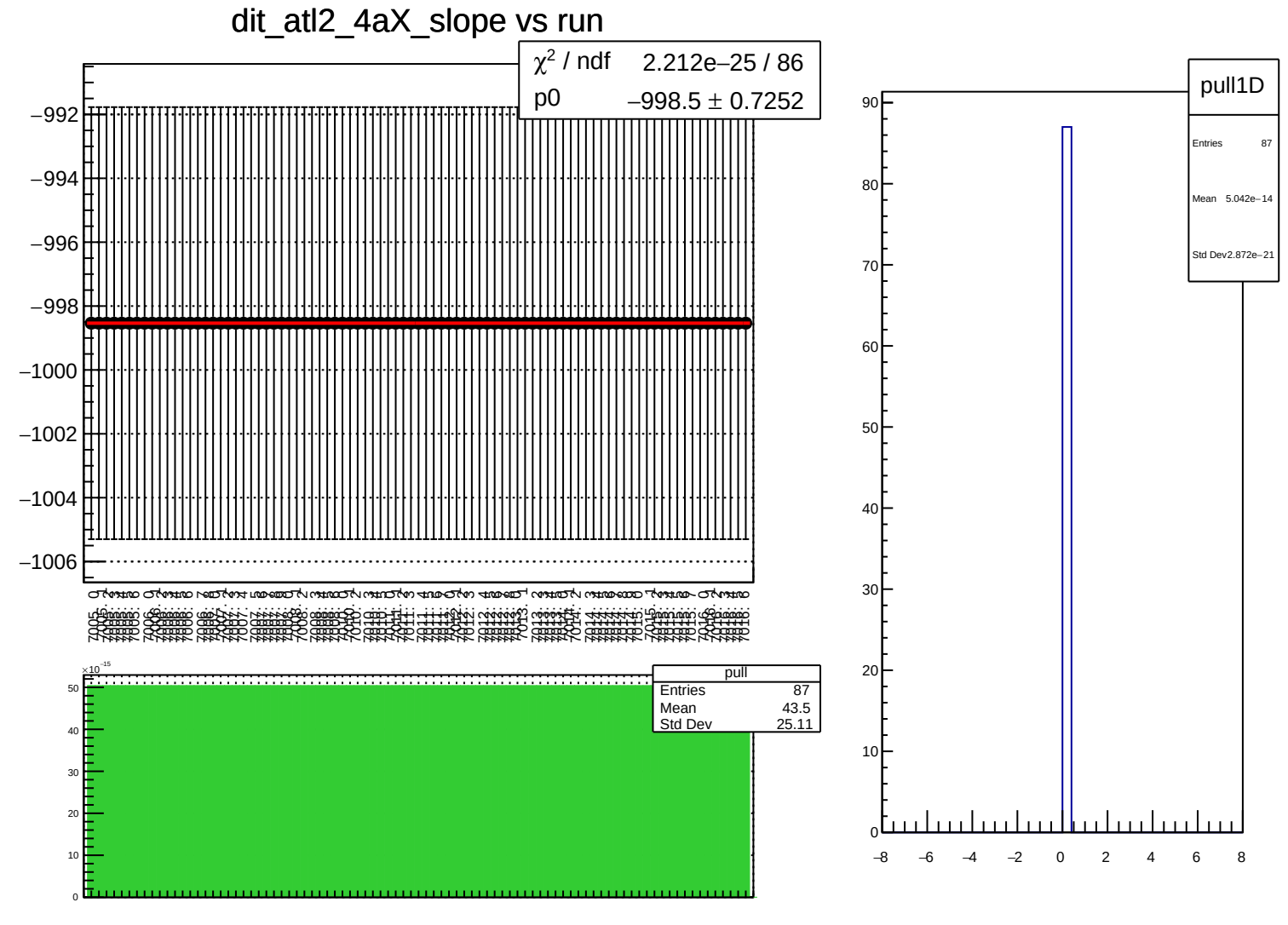

dit_atl1_4aX_slope vs run
χ² / ndf 6.096e−26 / 86
p0 −65.28 ± 0.3454
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −2.647e−14
Std Dev1.436e−21

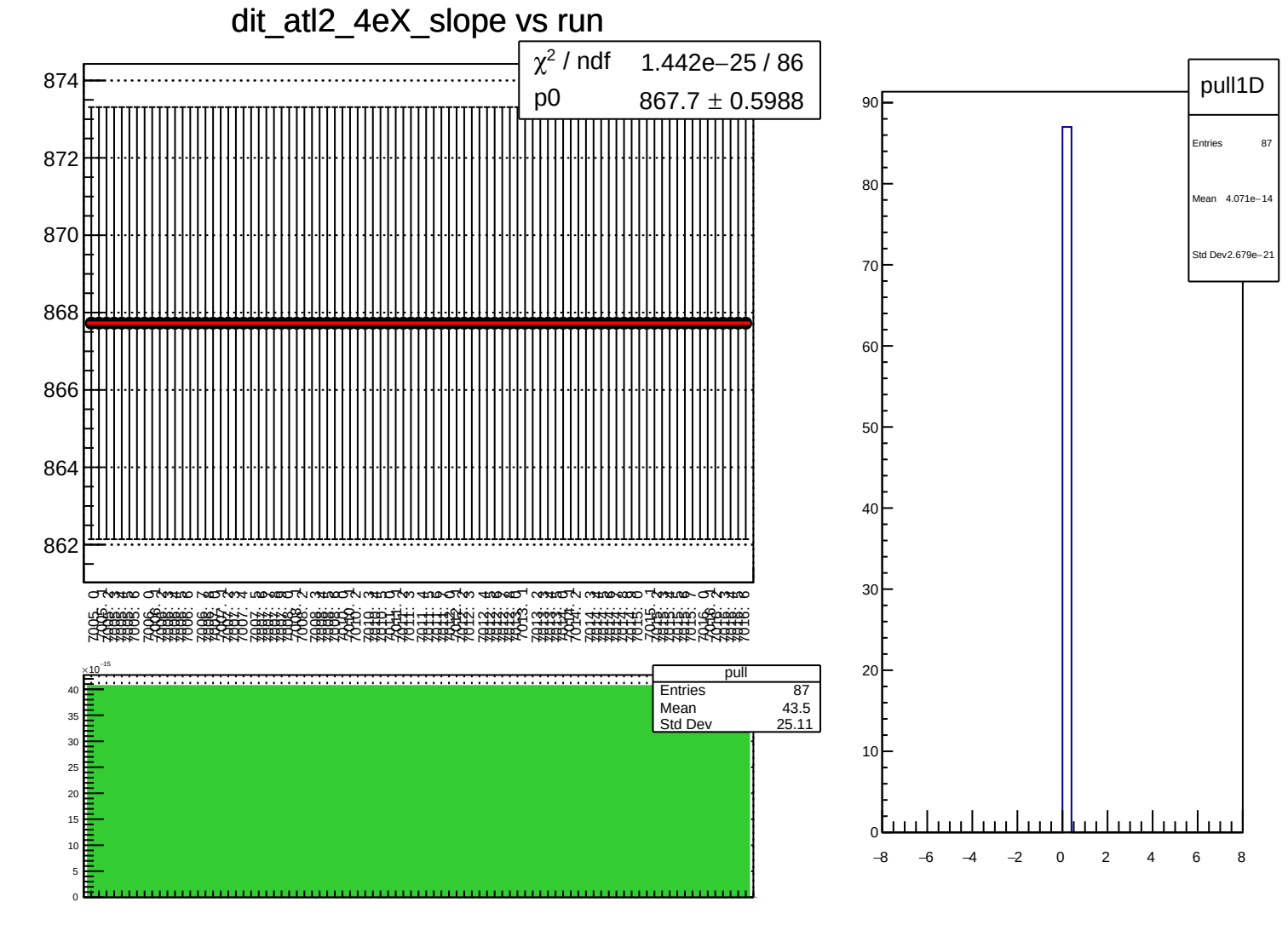

dit_atl1_4eX_slope vs run
χ² / ndf 8.651e−25 / 86
p0 99.34 ± 0.275
102
101
100
99
98
97
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −9.972e−14
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

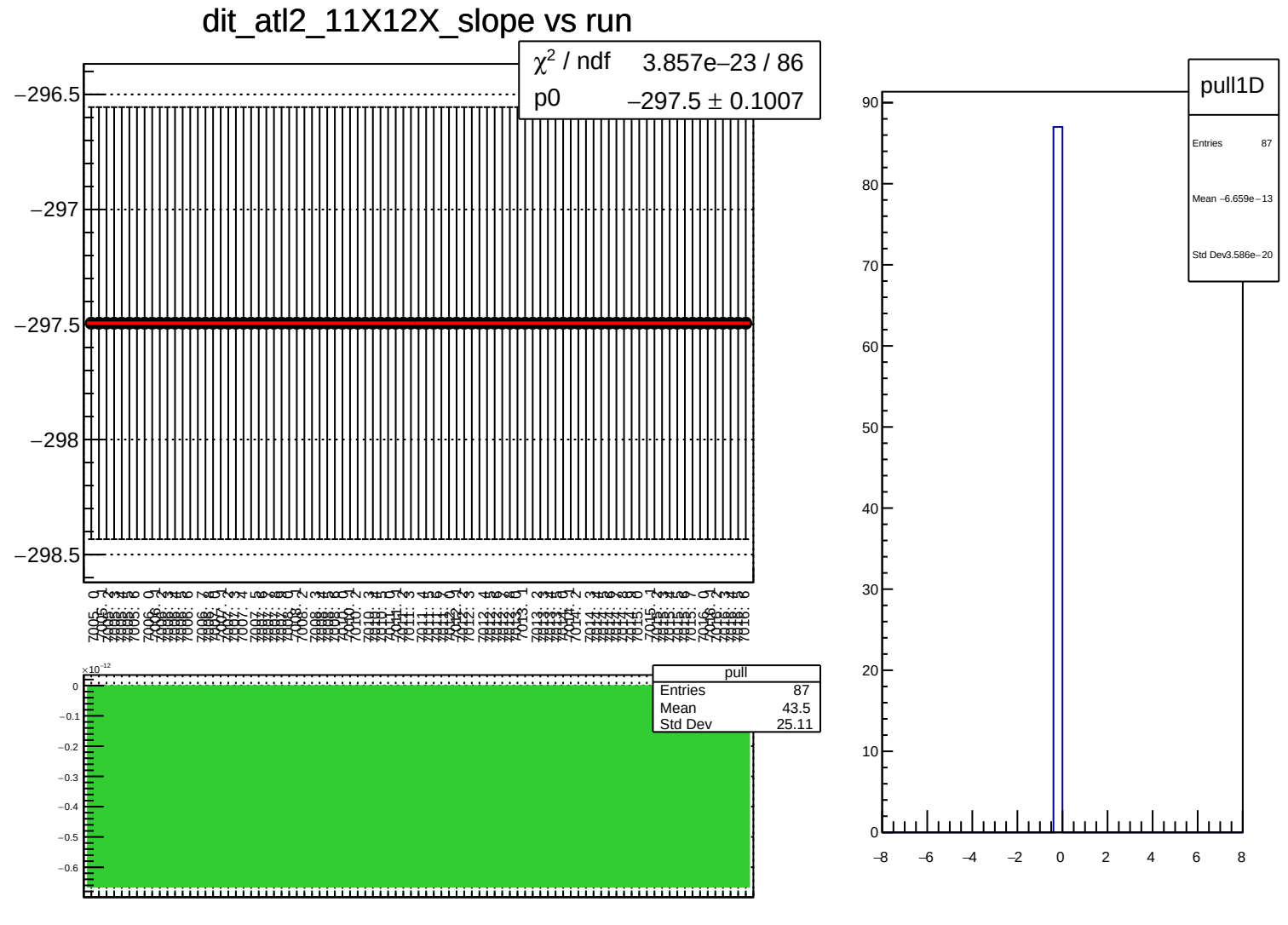

dit_atl1_11X12X_slope vs run
χ² / ndf 0 / 86
p0 −21.83 ± 0.05338
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

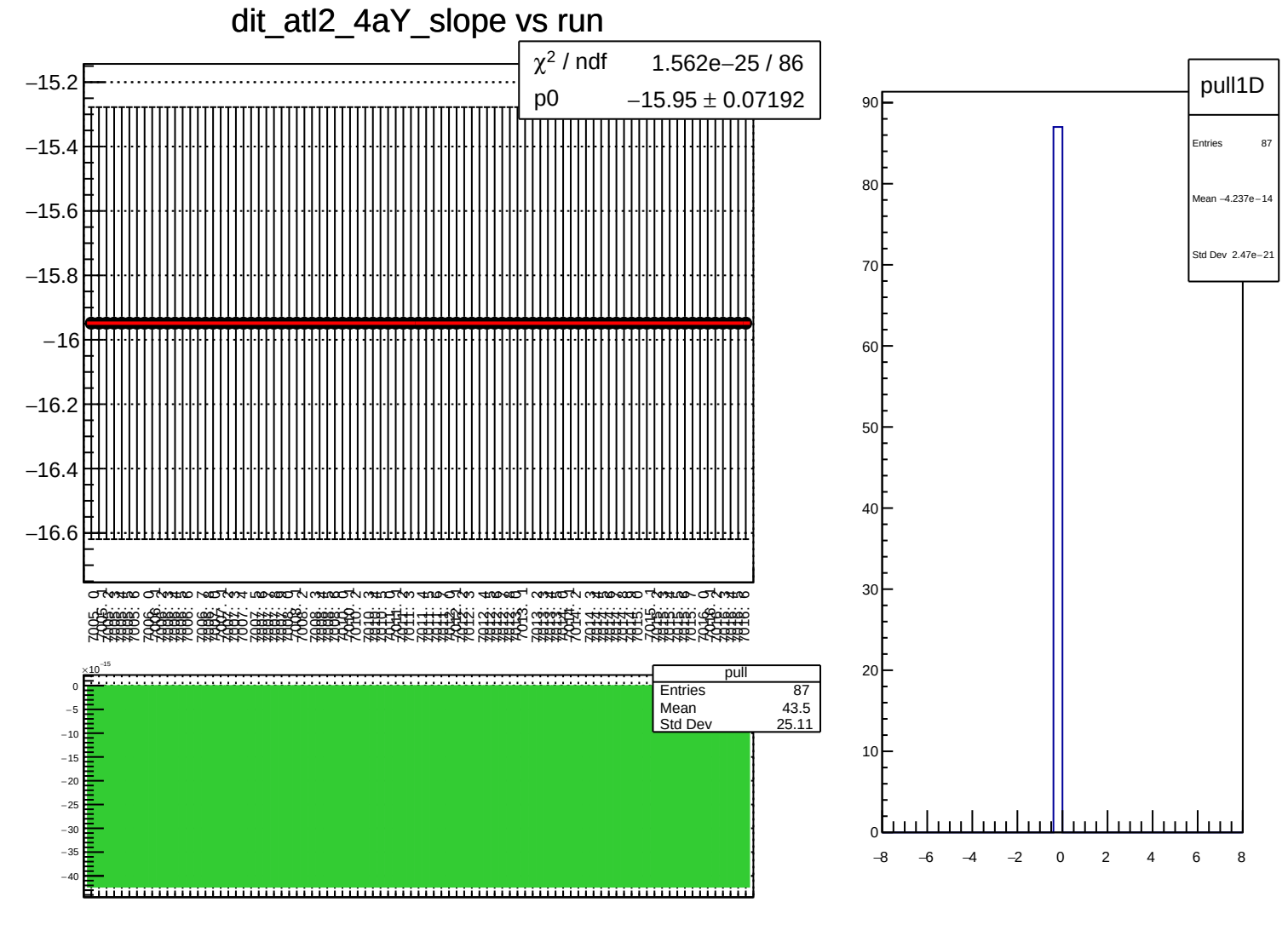

dit_atl1_4aY_slope vs run
χ² / ndf 2.889e−25 / 86
p0 10.67 ± 0.05288
11.2
11
10.8
10.6
10.4
10.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.762e−14
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

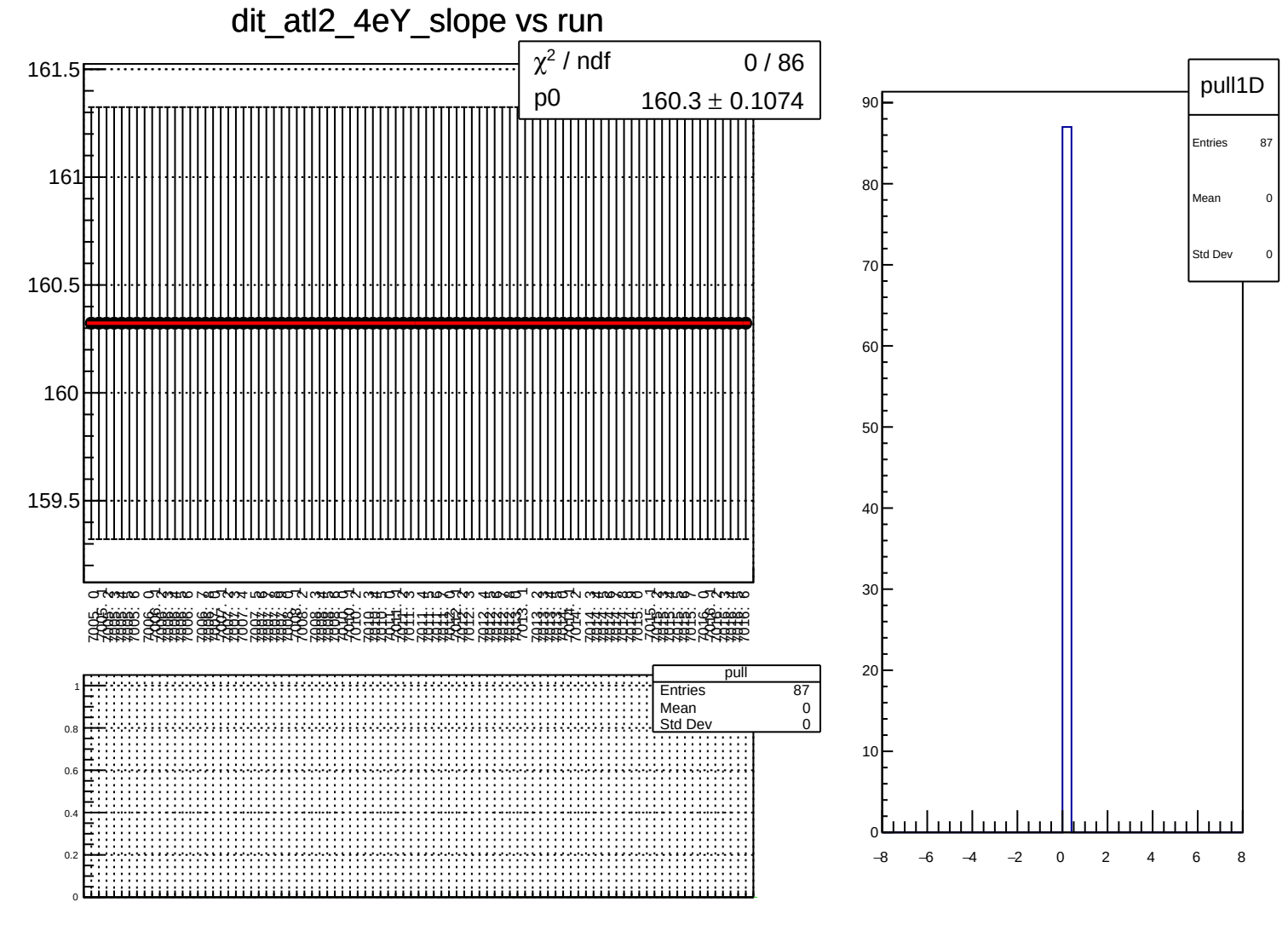

dit_atl1_4eY_slope vs run
χ² / ndf 9.297e−27 / 86
p0 −17.9 ± 0.07369
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
−18.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.034e−14
Std Dev 2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

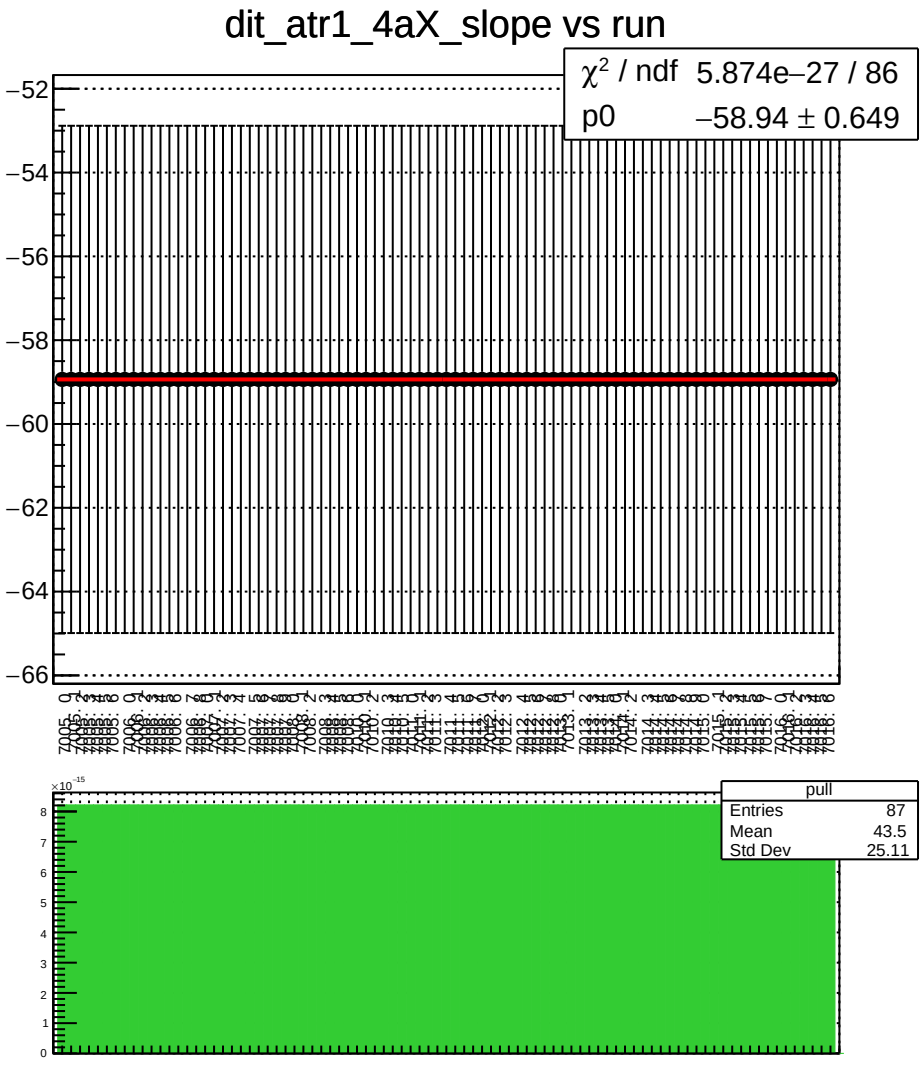

dit_atl2_4aX_slope vs run
χ² / ndf 2.212e−25 / 86
p0 −998.5 ± 0.7252
−992
−994
−996
−998
−1000
−1002
−1004
−1006
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.042e−14
Std Dev2.872e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

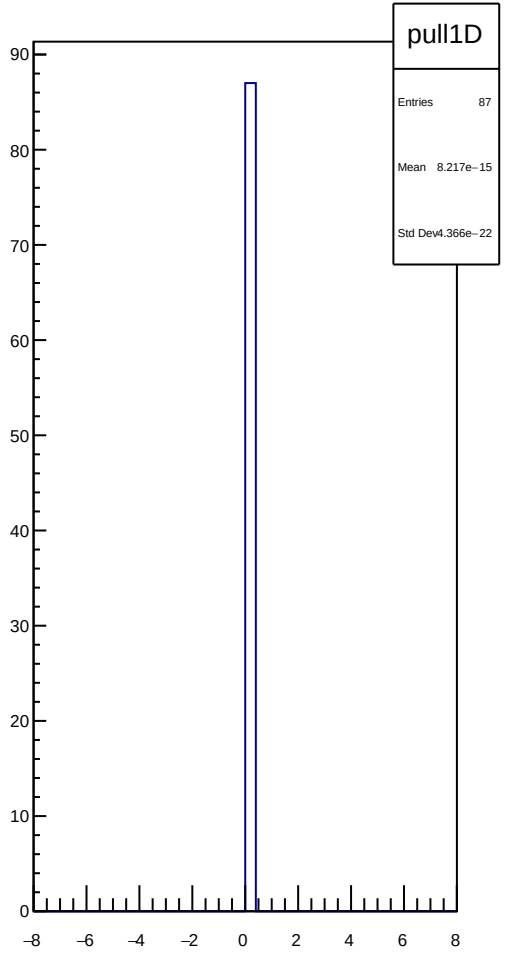

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.442e−25 / 86
p0 867.7 ± 0.5988
874
872
870
868
866
864
862
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 87
Mean 4.071e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

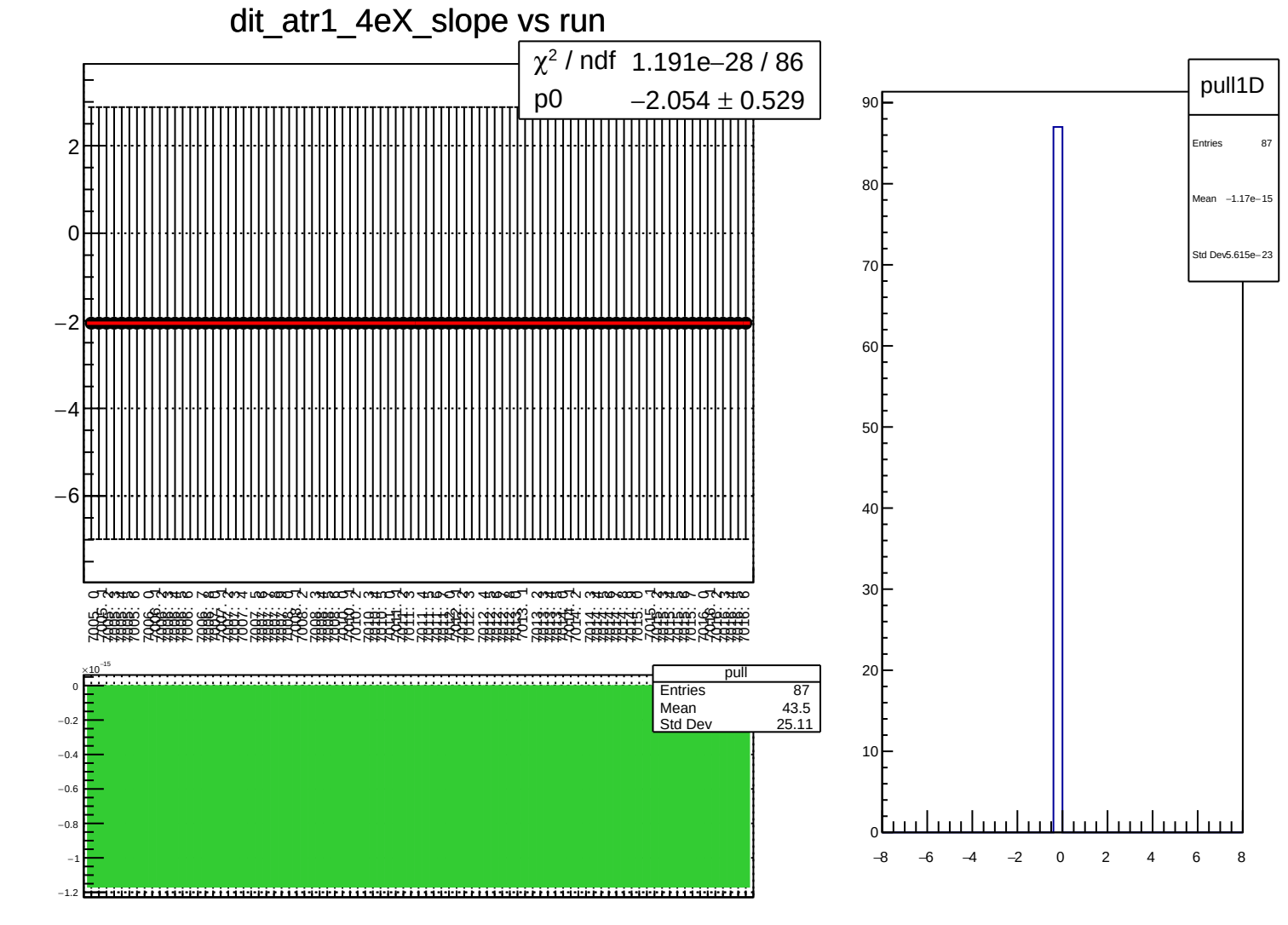

dit_atl2_11X12X_slope vs run
χ² / ndf 3.857e−23 / 86
p0 −297.5 ± 0.1007
−296.5
−297
−297.5
−298
−298.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 87
Mean −6.659e−13
Std Dev 3.586e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

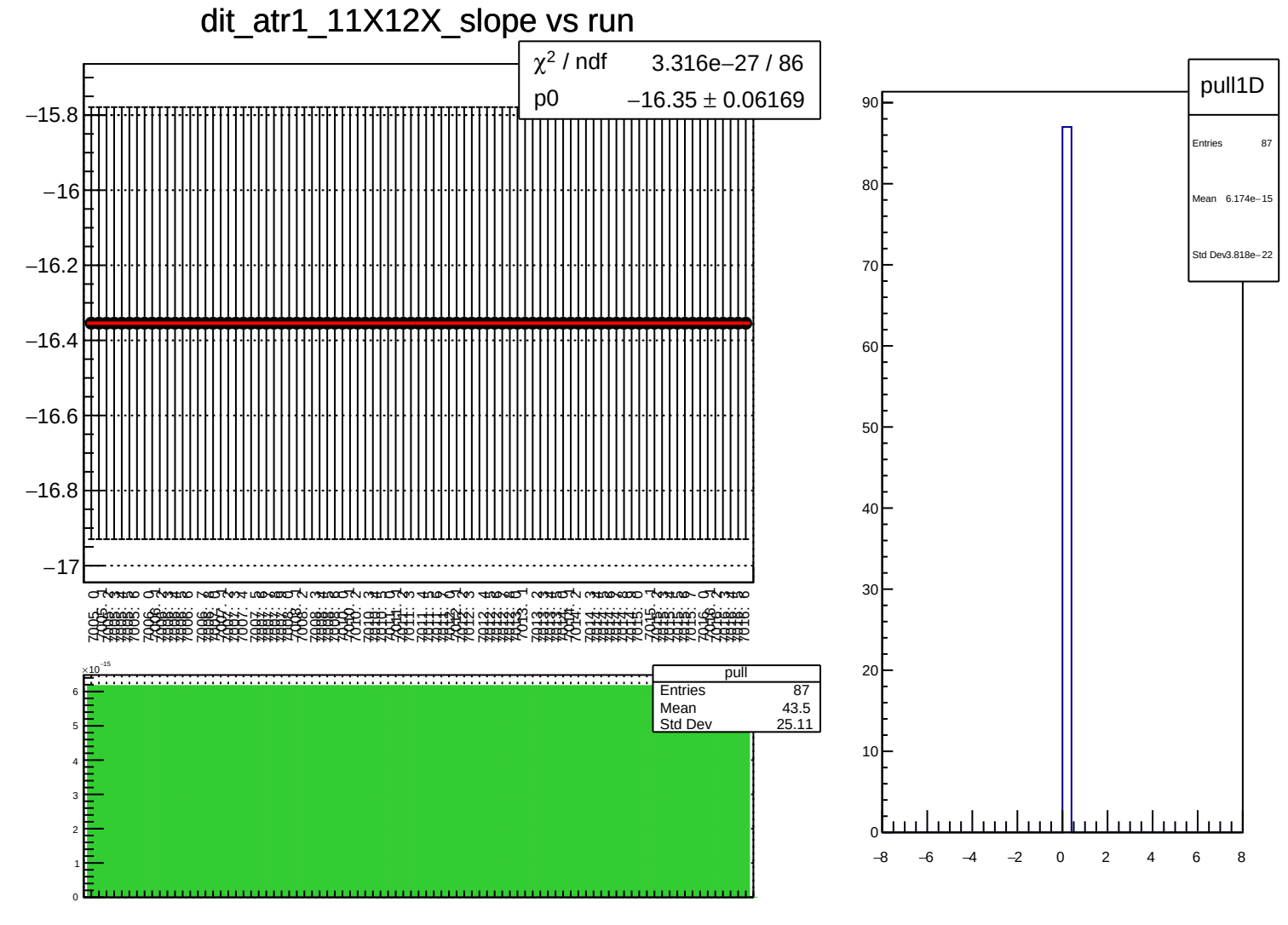

dit_atl2_4aY_slope vs run
χ² / ndf 1.562e−25 / 86
p0 −15.95 ± 0.07192
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 87
Mean −4.237e−14
Std Dev 2.47e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

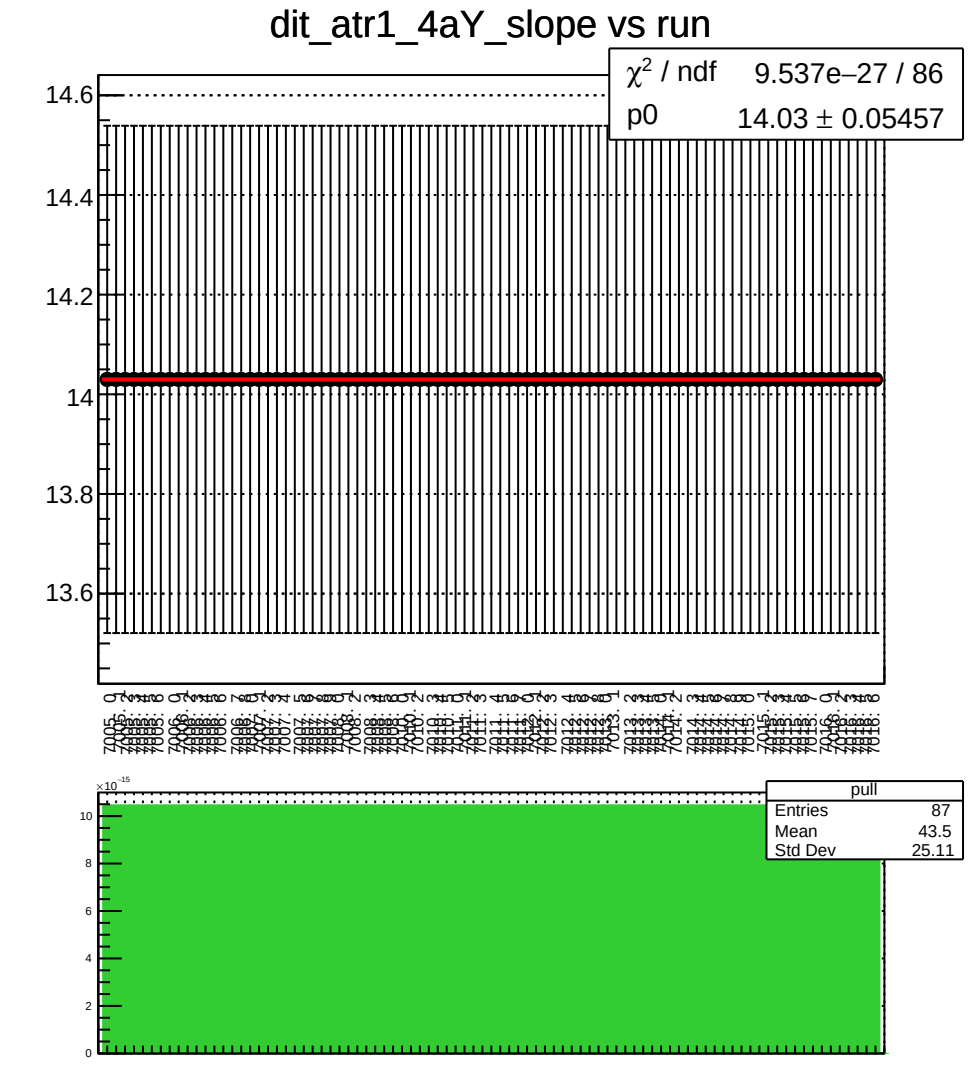

dit_atl2_4eY_slope vs run
χ² / ndf 0 / 86
p0 160.3 ± 0.1074
161.5
161
160.5
160
159.5
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

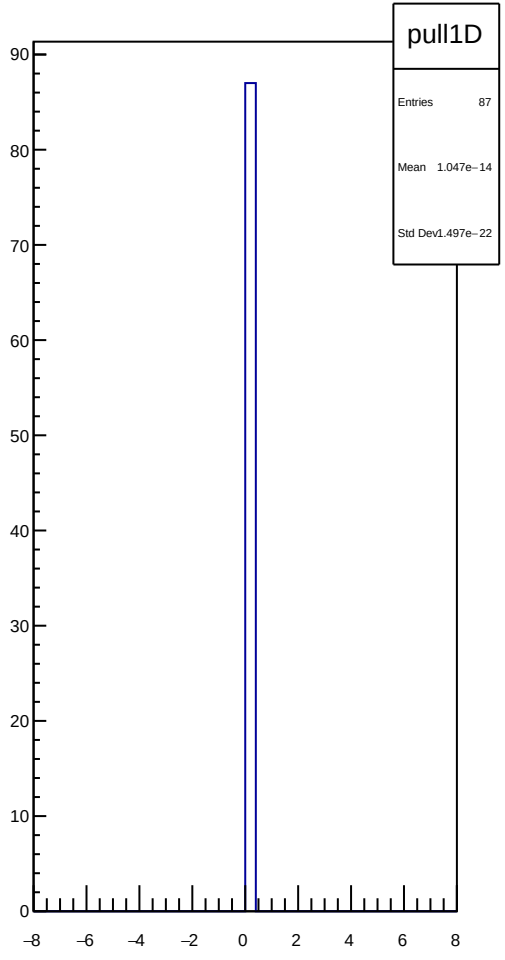

dit_atr1_4aX_slope vs run
χ² / ndf 5.874e−27 / 86
p0 −58.94 ± 0.649
−52
−54
−56
−58
−60
−62
−64
−66
×10⁻¹⁵
pull
Entries 87
Mean 43.5
Std Dev 25.11

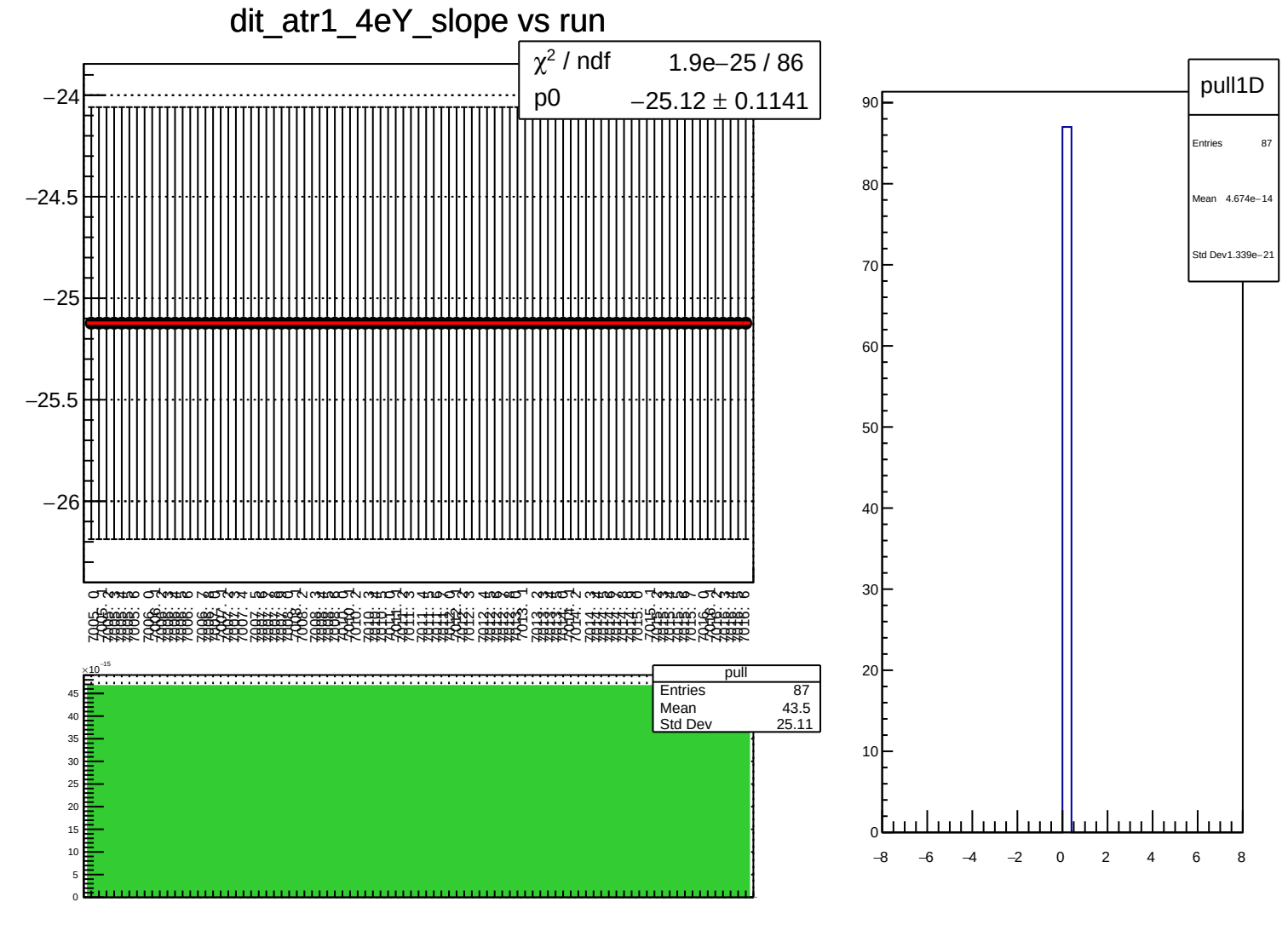

pull1D
Entries 87
Mean 8.217e−15
Std Dev4.366e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

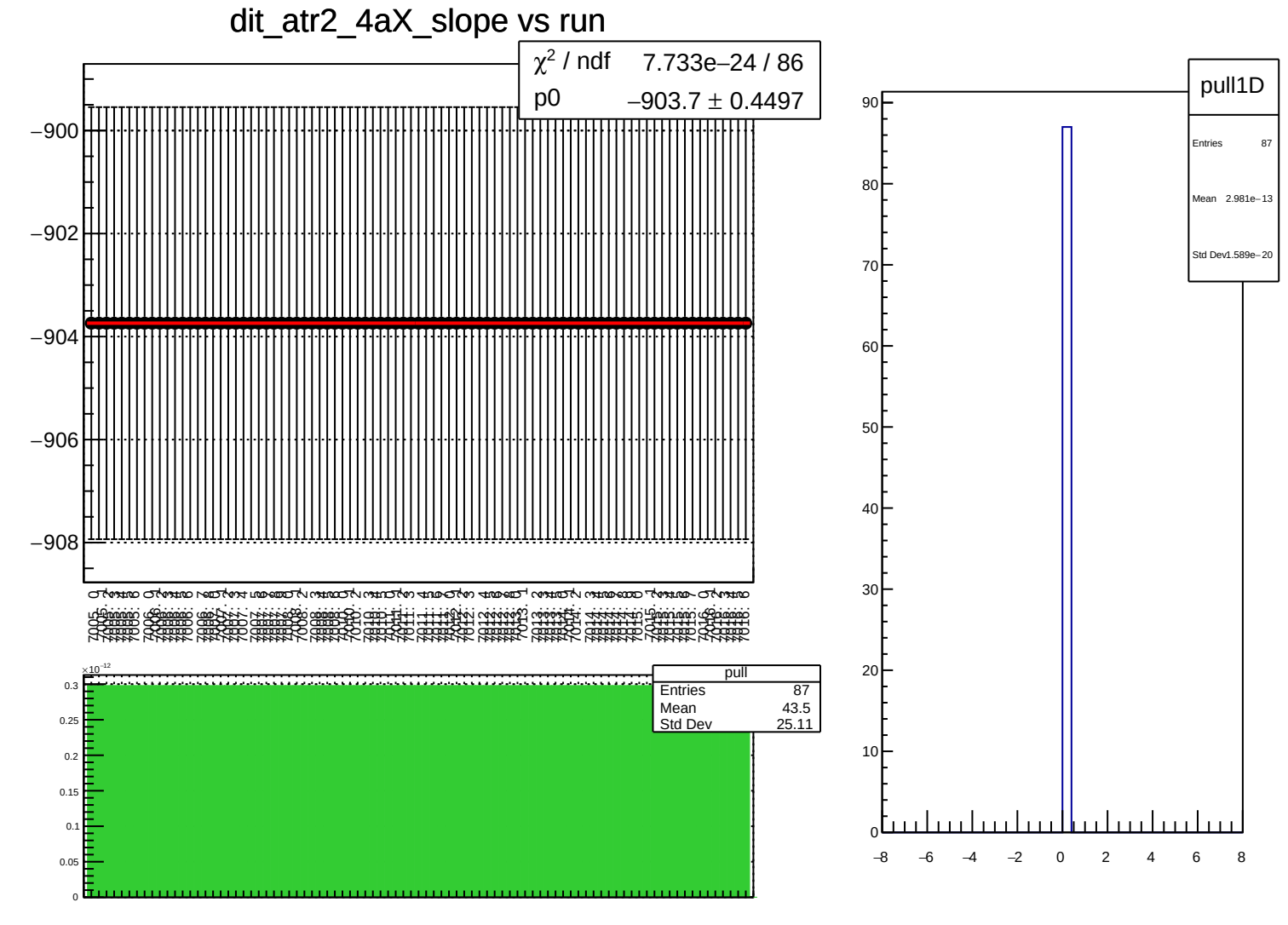

dit_atr1_4eX_slope vs run
χ² / ndf 1.191e−28 / 86
p0 −2.054 ± 0.529
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.17e−15
Std Dev 5.615e−23

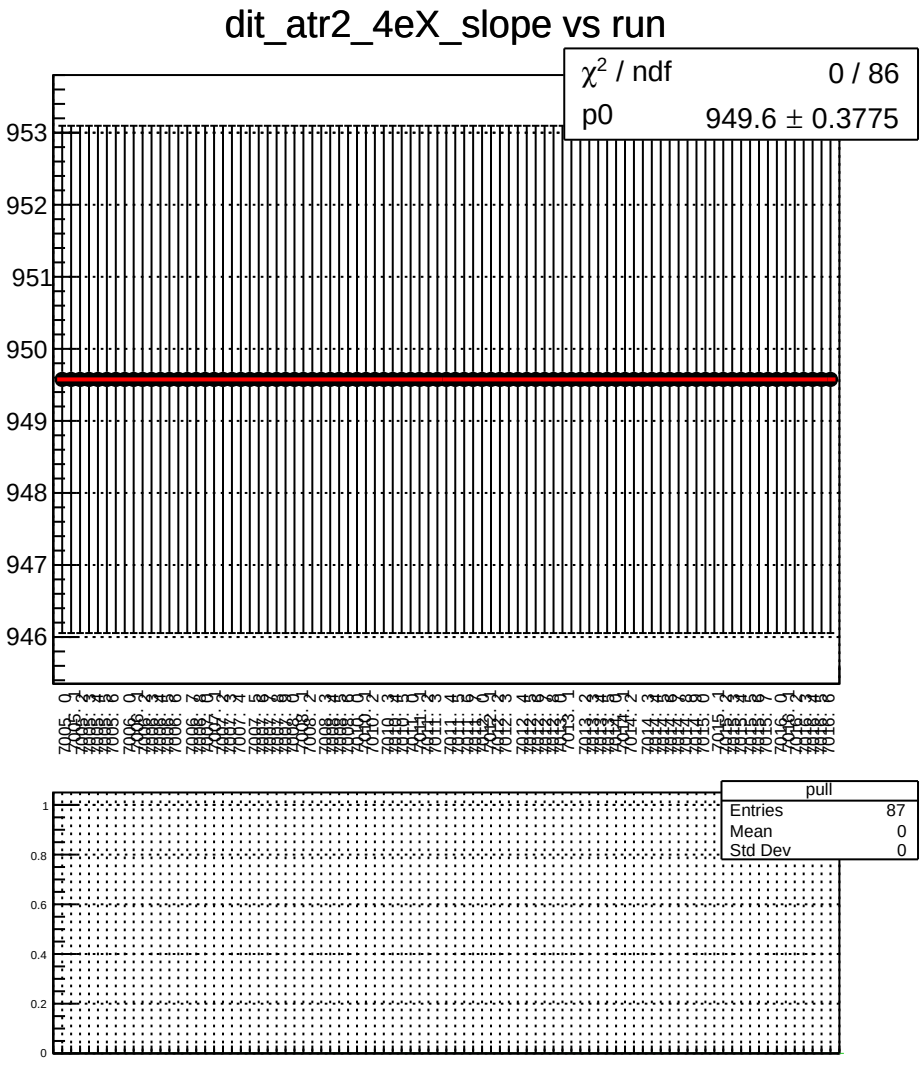

dit_atr1_11X12X_slope vs run
χ² / ndf 3.316e−27 / 86
p0 −16.35 ± 0.06169
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 6.174e−15
Std Dev 3.818e−22

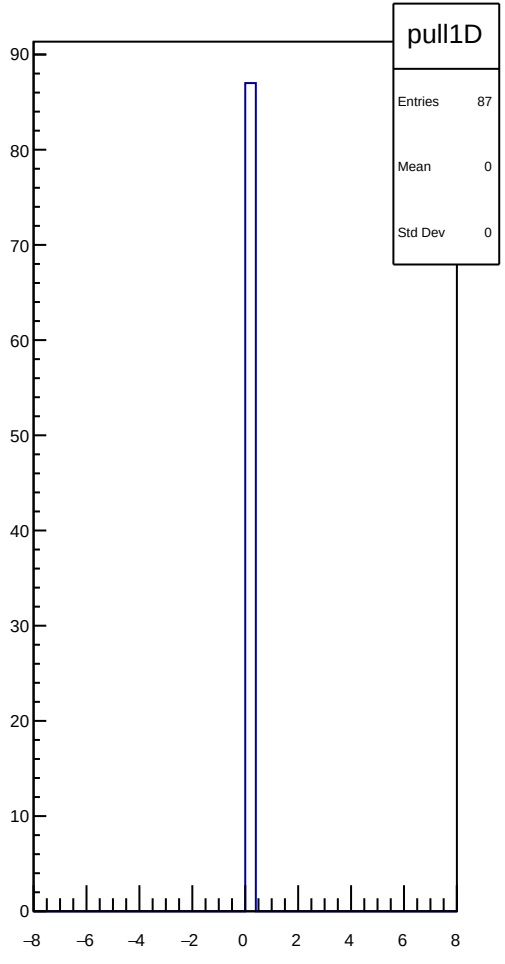

dit_atr1_4aY_slope vs run
χ² / ndf 9.537e−27 / 86
p0 14.03 ± 0.05457
14.6
14.4
14.2
14
13.8
13.6
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 87
Mean 43.5
Std Dev 25.11

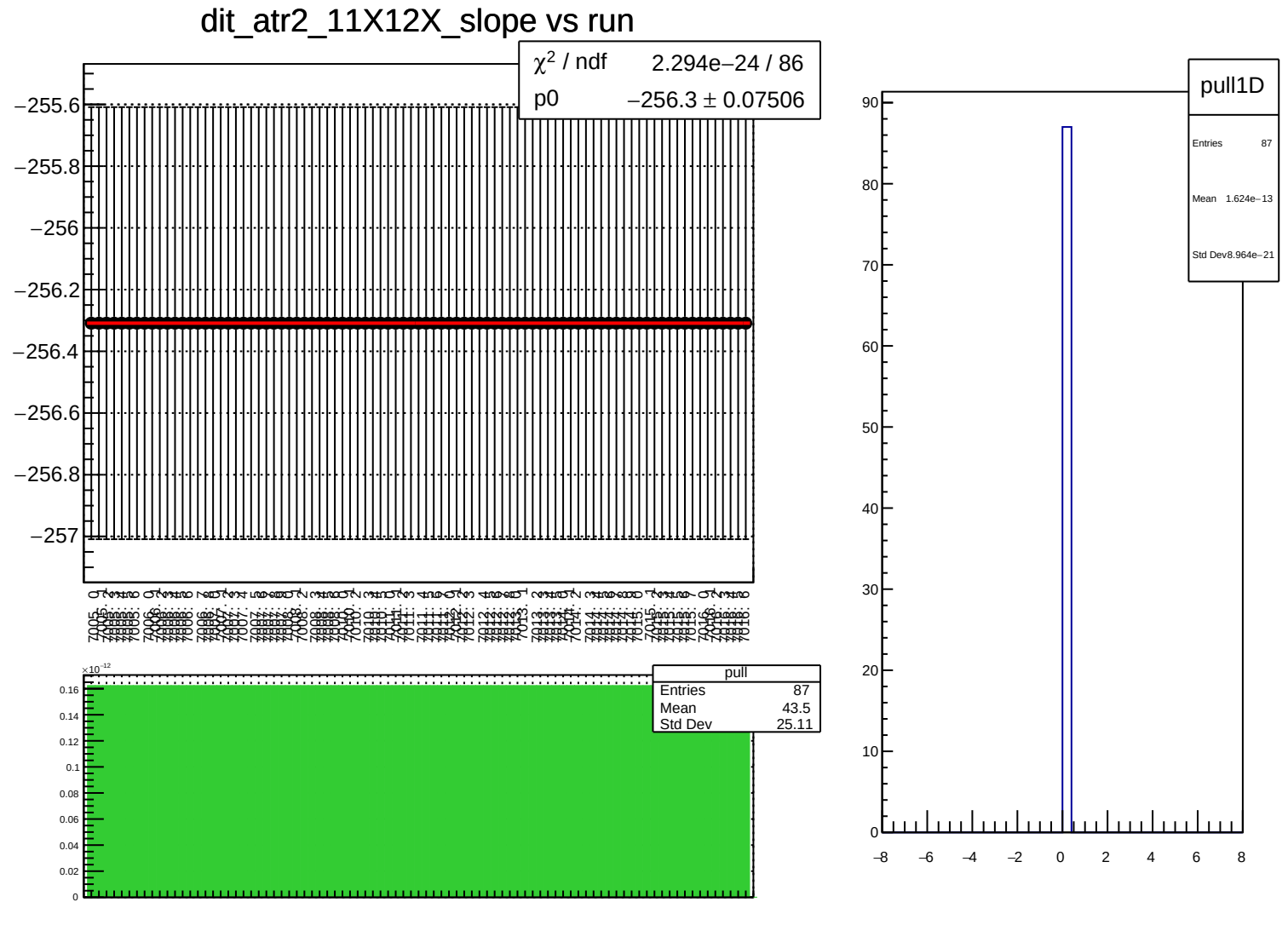

pull1D
Entries 87
Mean 1.047e−14
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

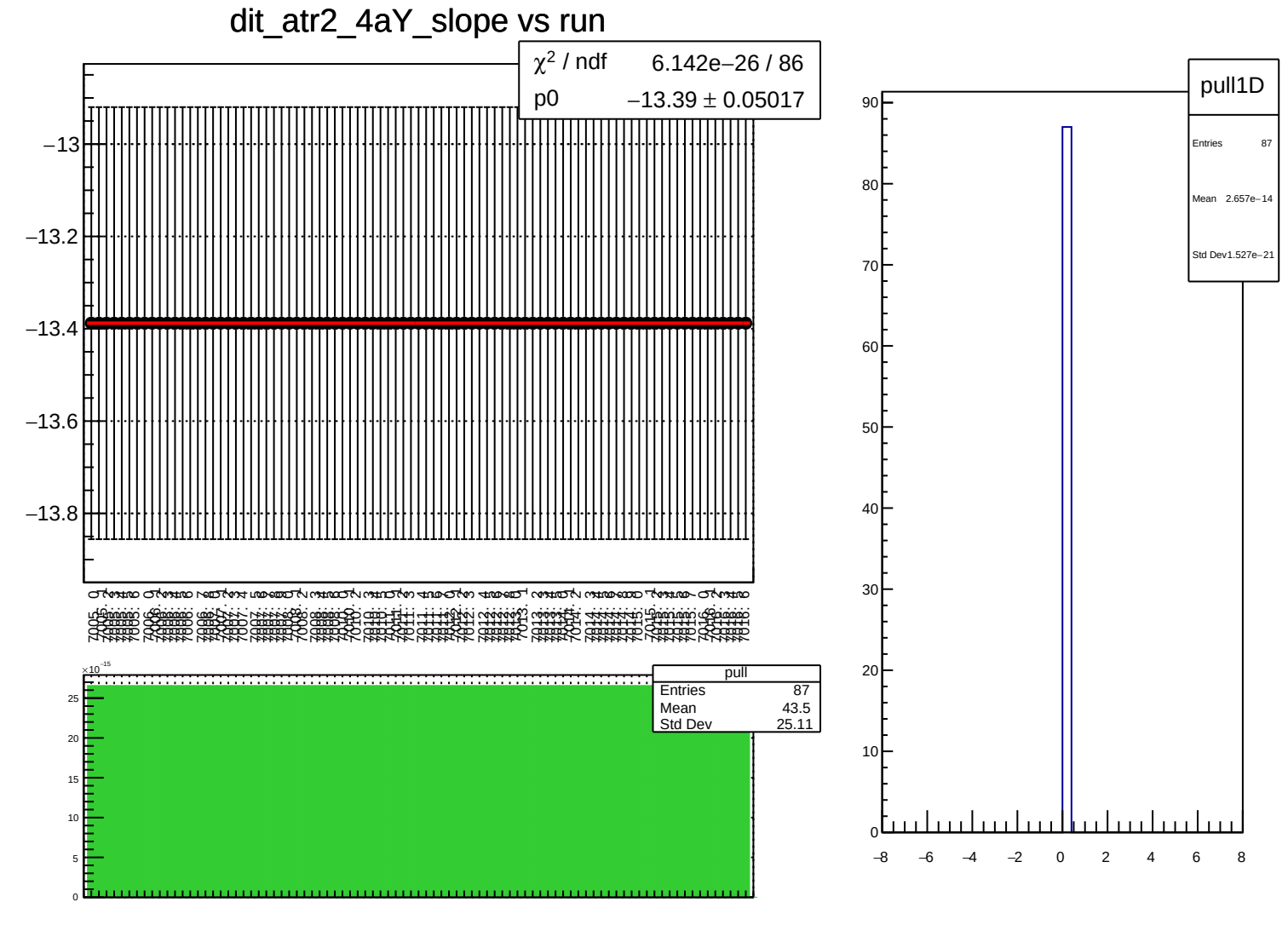

dit_atr1_4eY_slope vs run
χ² / ndf 1.9e−25 / 86
p0 −25.12 ± 0.1141
−24
−24.5
−25
−25.5
−26
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 4.674e−14
Std Dev 1.339e−21

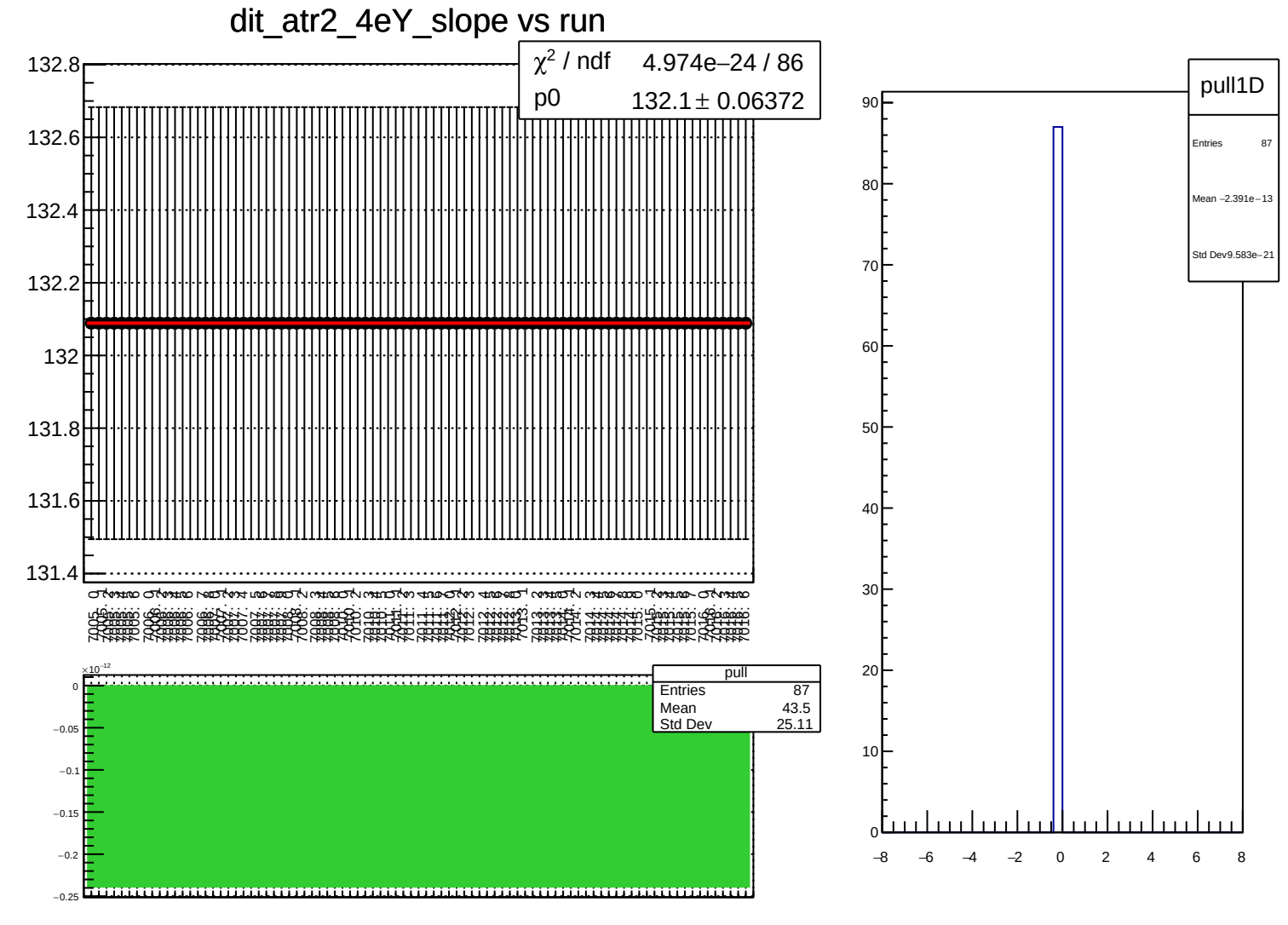

dit_atr2_4aX_slope vs run
χ² / ndf 7.733e−24 / 86
p0 −903.7 ± 0.4497
−900
−902
−904
−906
−908
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 2.981e−13
Std Dev1.589e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

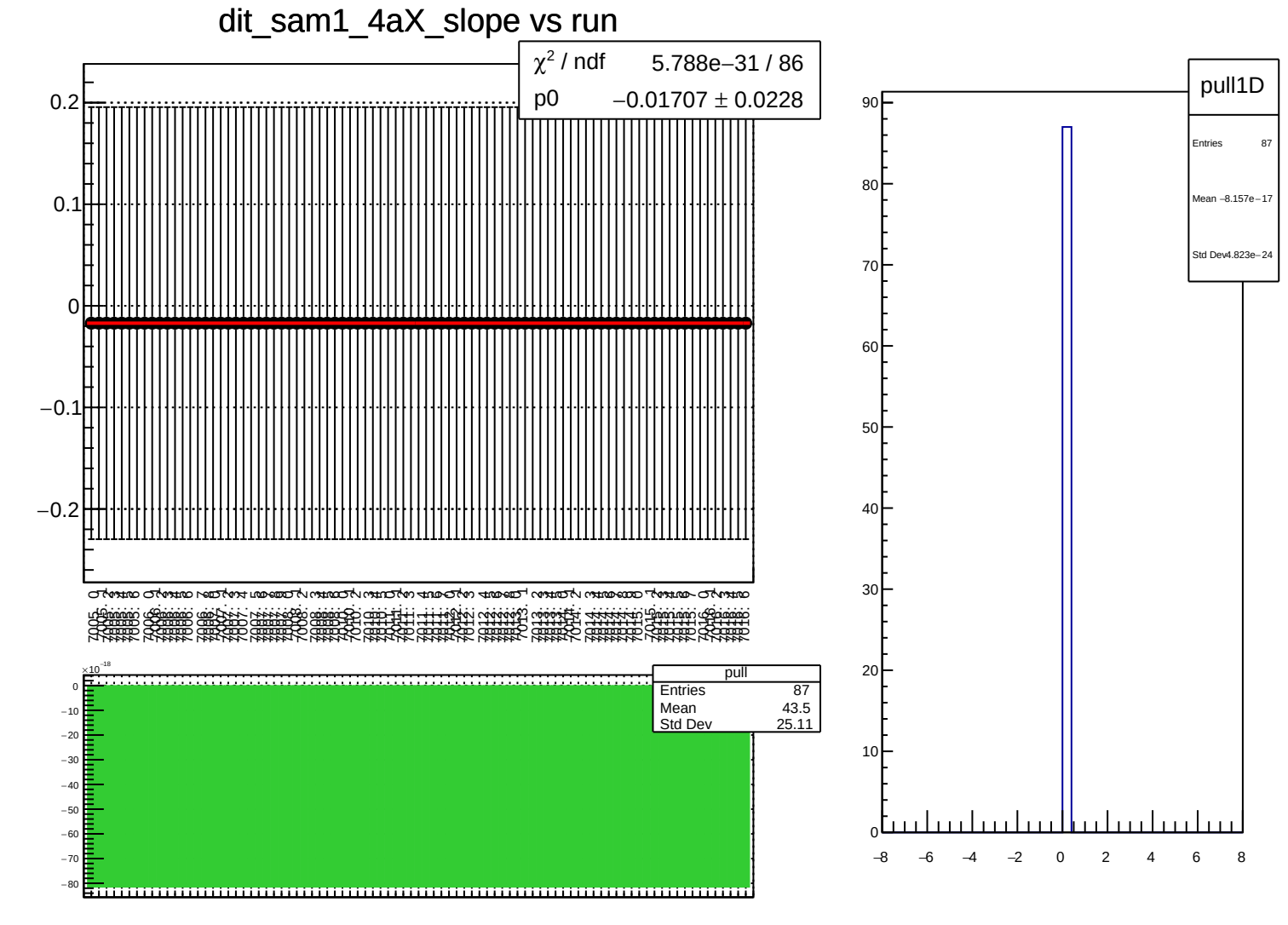

dit_atr2_4eX_slope vs run
χ² / ndf 0 / 86
p0 949.6 ± 0.3775
953
952
951
950
949
948
947
946
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

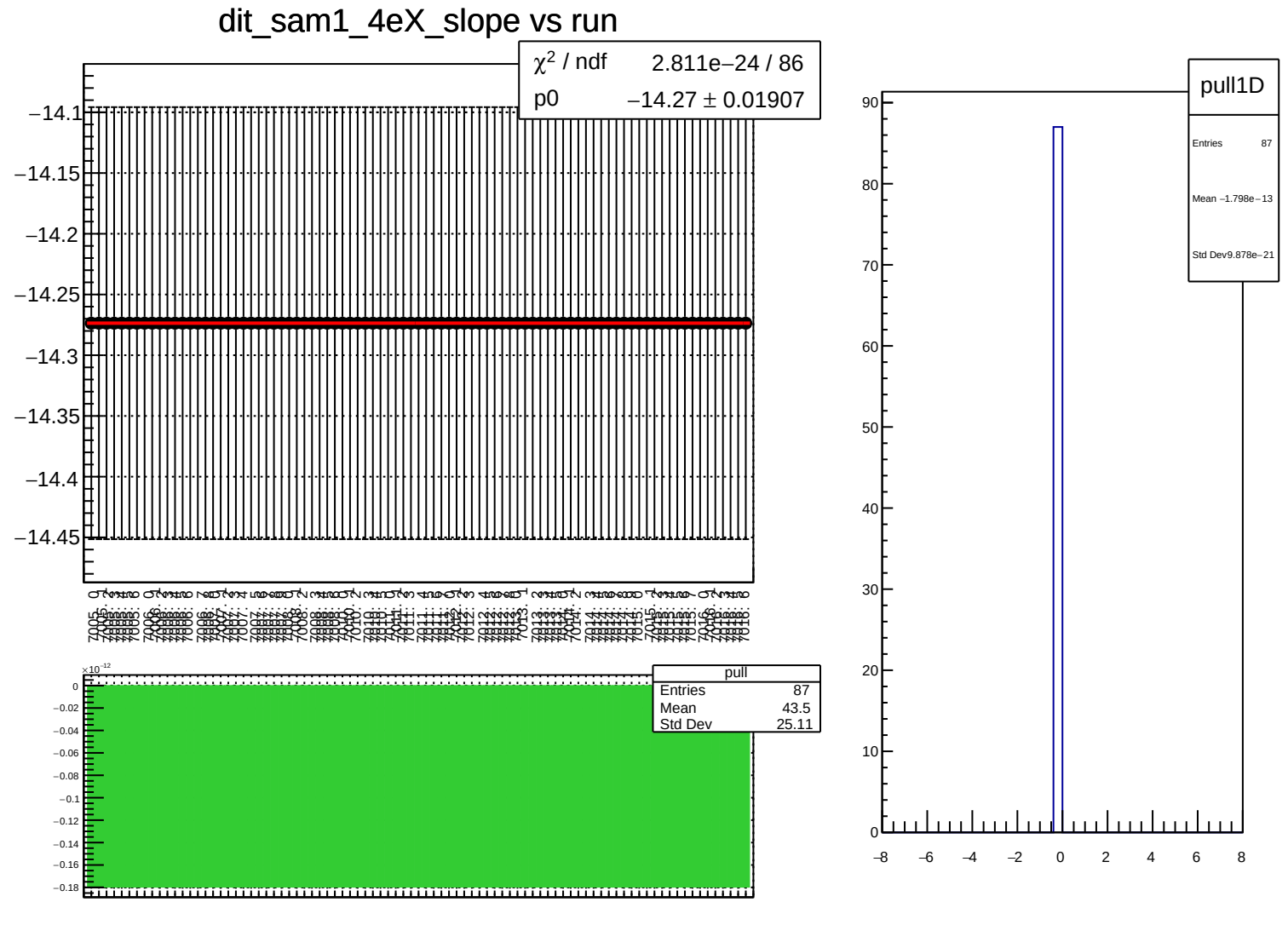

pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

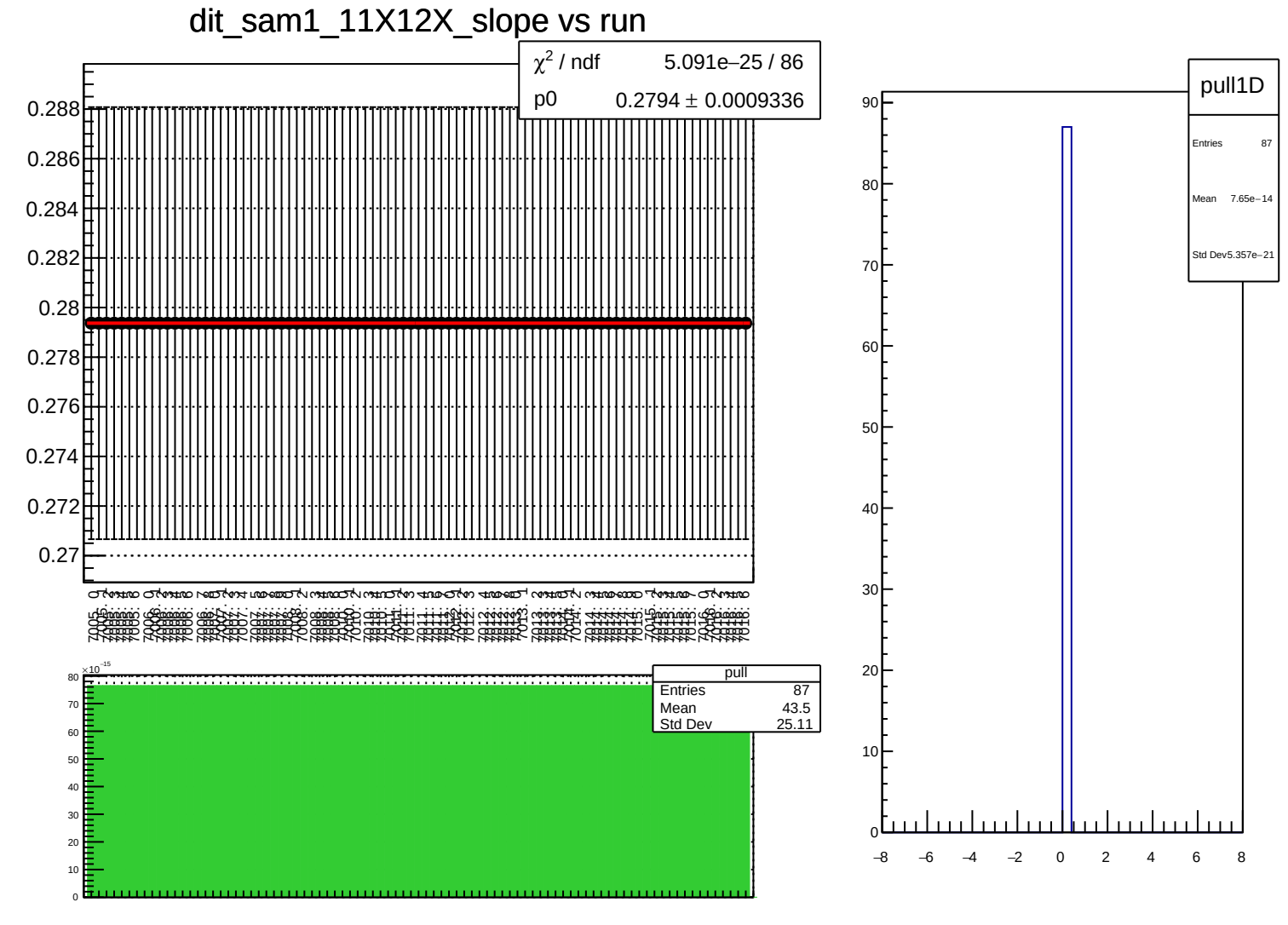

dit_atr2_11X12X_slope vs run
χ² / ndf 2.294e−24 / 86
p0 −256.3 ± 0.07506
−255.6
−255.8
−256
−256.2
−256.4
−256.6
−256.8
−257
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.624e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

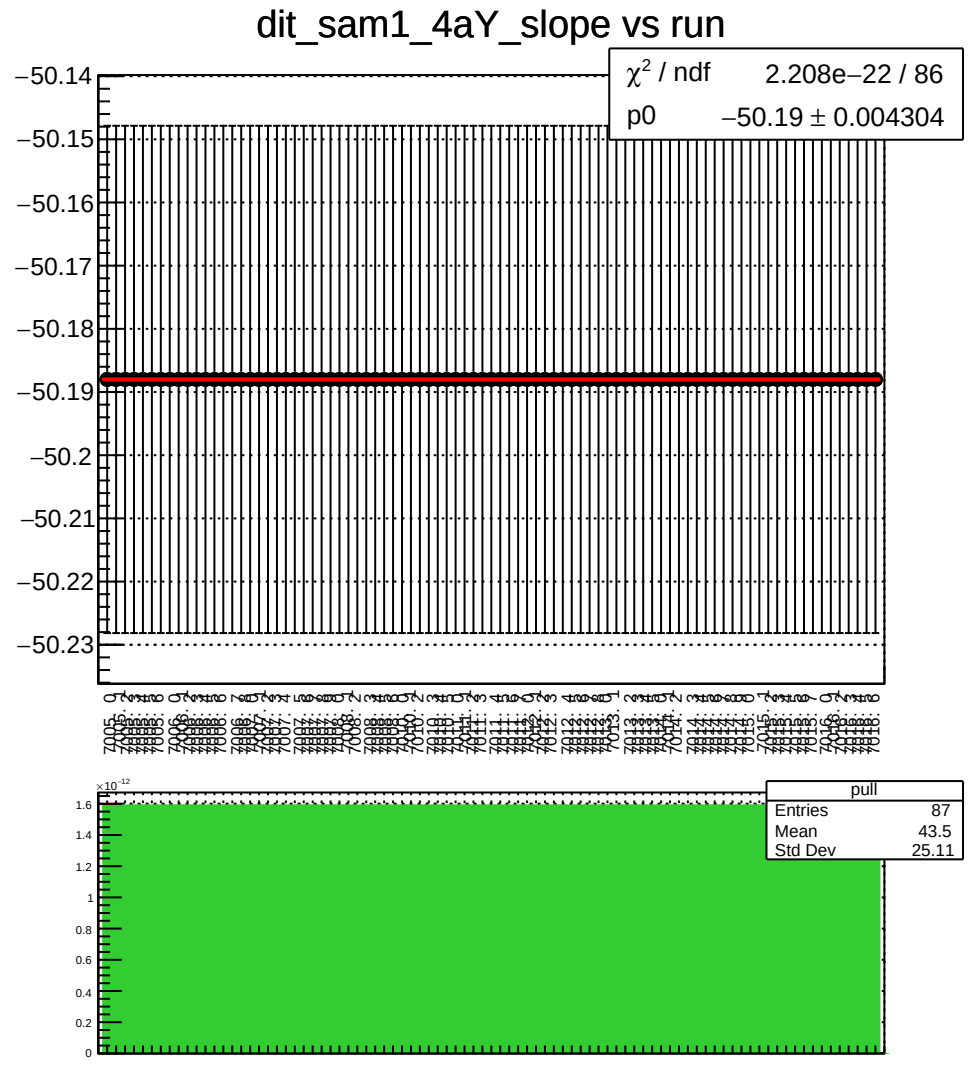

dit_atr2_4aY_slope vs run
χ² / ndf 6.142e−26 / 86
p0 −13.39 ± 0.05017
−13
−13.2
−13.4
−13.6
−13.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 87
Mean 2.657e−14
Std Dev1.527e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

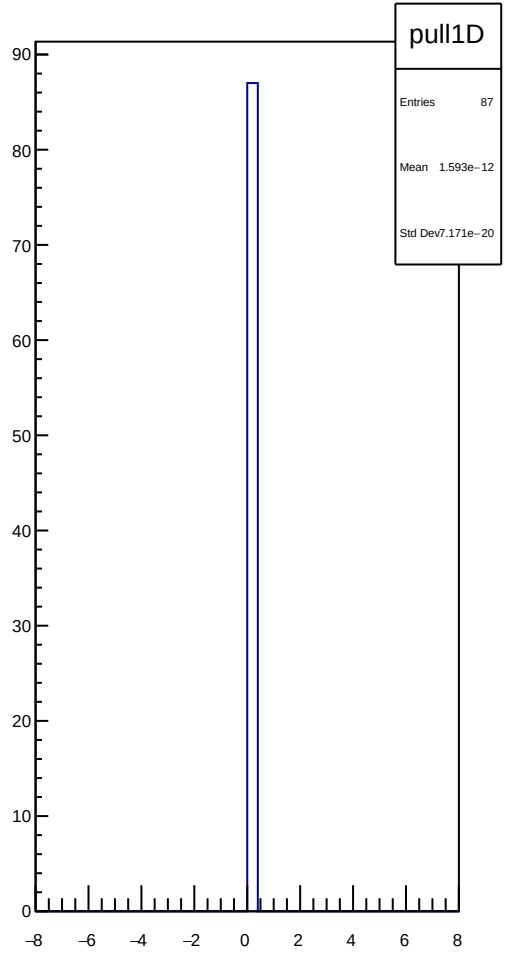

dit_atr2_4eY_slope vs run
χ² / ndf 4.974e−24 / 86
p0 132.1 ± 0.06372
132.8
132.6
132.4
132.2
132
131.8
131.6
131.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 87
Mean −2.391e−13
Std Dev9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

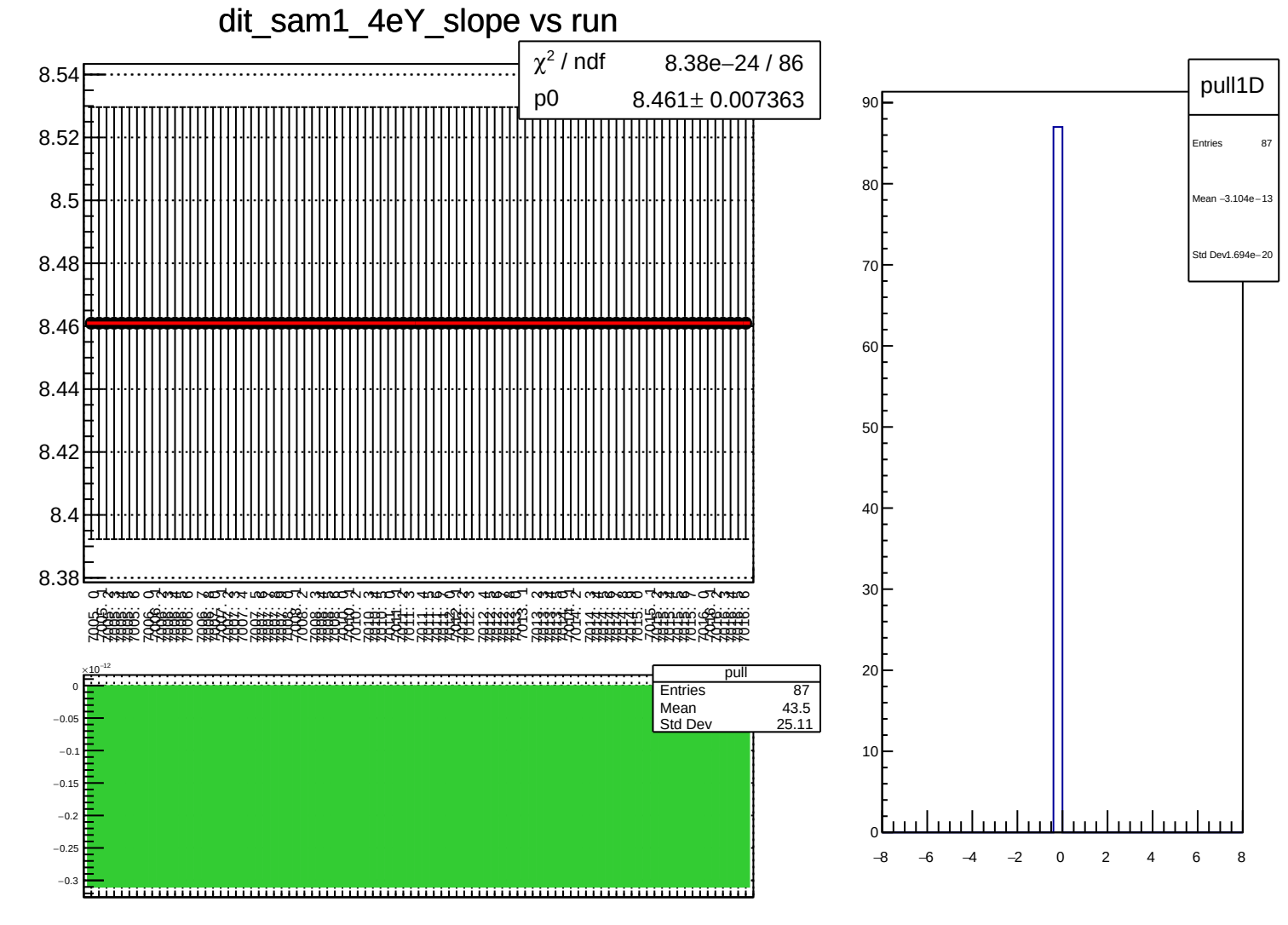

dit_sam1_4aX_slope vs run
χ² / ndf 5.788e−31 / 86
p0 −0.01707 ± 0.0228
0.2
0.1
0
−0.1
−0.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁸
pull1D
Entries 87
Mean −8.157e−17
Std Dev4.823e−24

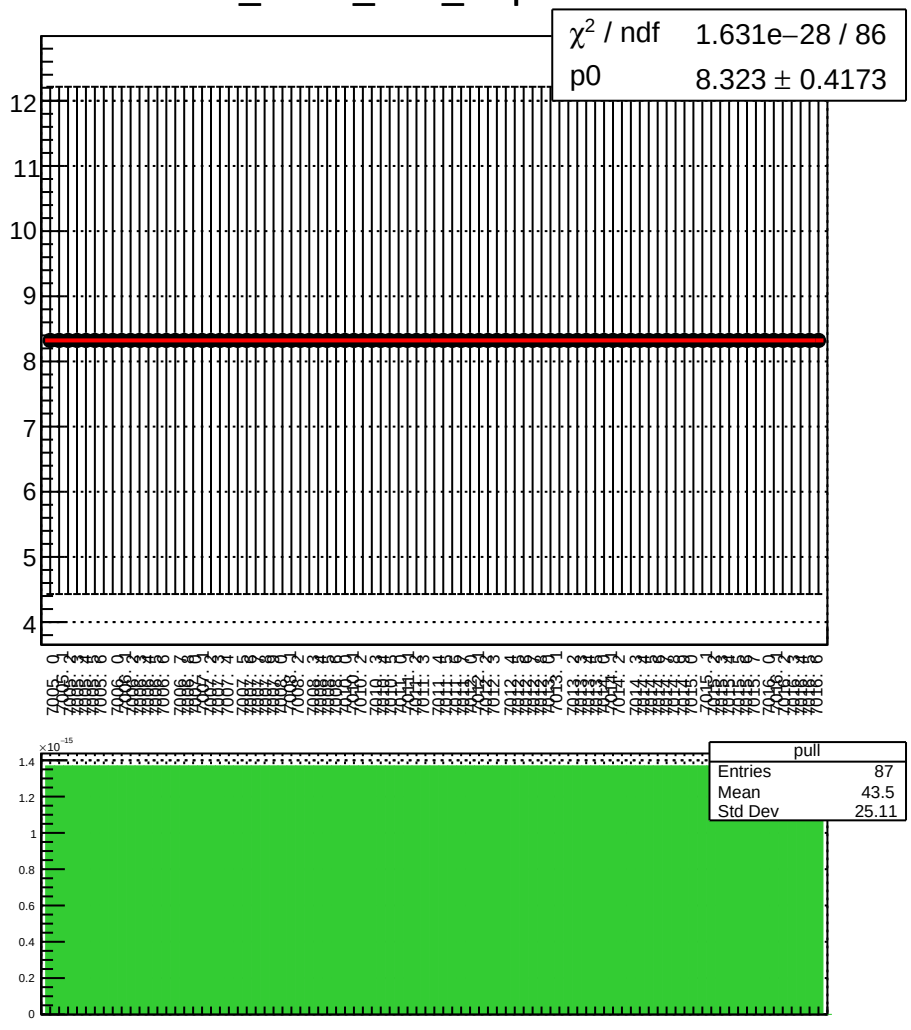

dit_sam1_4eX_slope vs run
χ² / ndf 2.811e−24 / 86
p0 −14.27 ± 0.01907
−14.1
−14.15
−14.2
−14.25
−14.3
−14.35
−14.4
−14.45
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 87
Mean −1.798e−13
Std Dev9.878e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

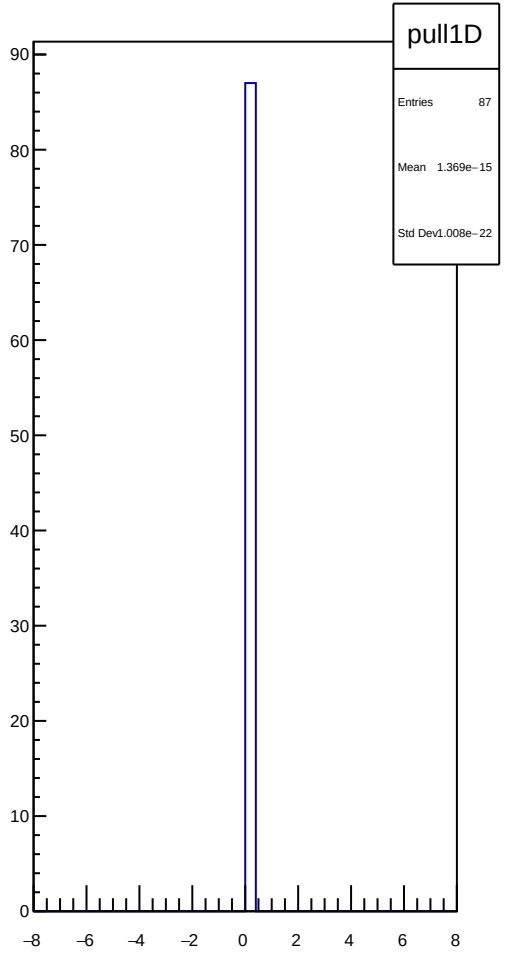

dit_sam1_11X12X_slope vs run
χ² / ndf 5.091e−25 / 86
p0 0.2794 ± 0.0009336
0.288
0.286
0.284
0.282
0.28
0.278
0.276
0.274
0.272
0.27
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 7.65e−14
Std Dev 5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

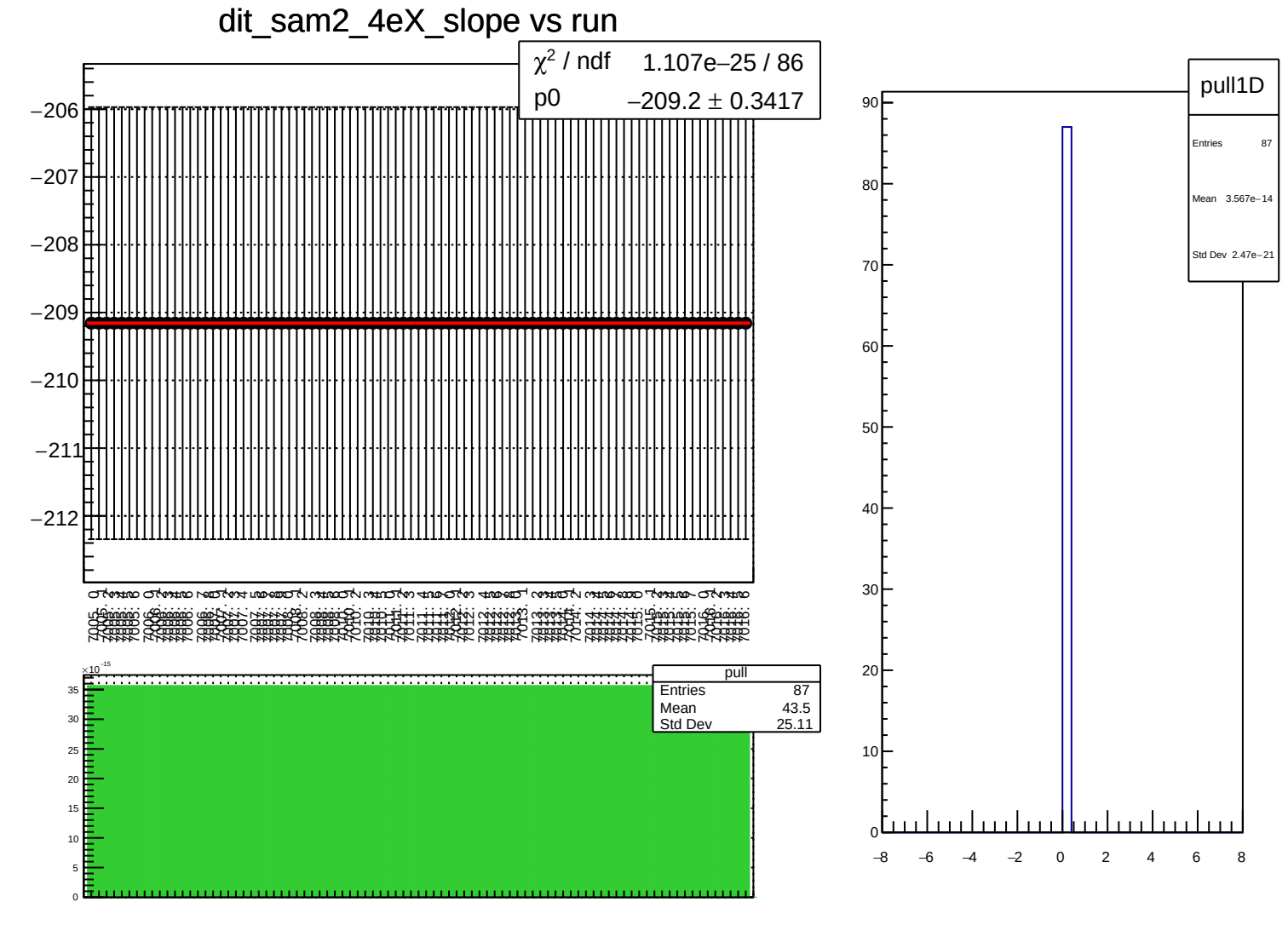

dit_sam1_4aY_slope vs run
χ² / ndf 2.208e−22 / 86
p0 −50.19 ± 0.004304
−50.14
−50.15
−50.16
−50.17
−50.18
−50.19
−50.2
−50.21
−50.22
−50.23
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

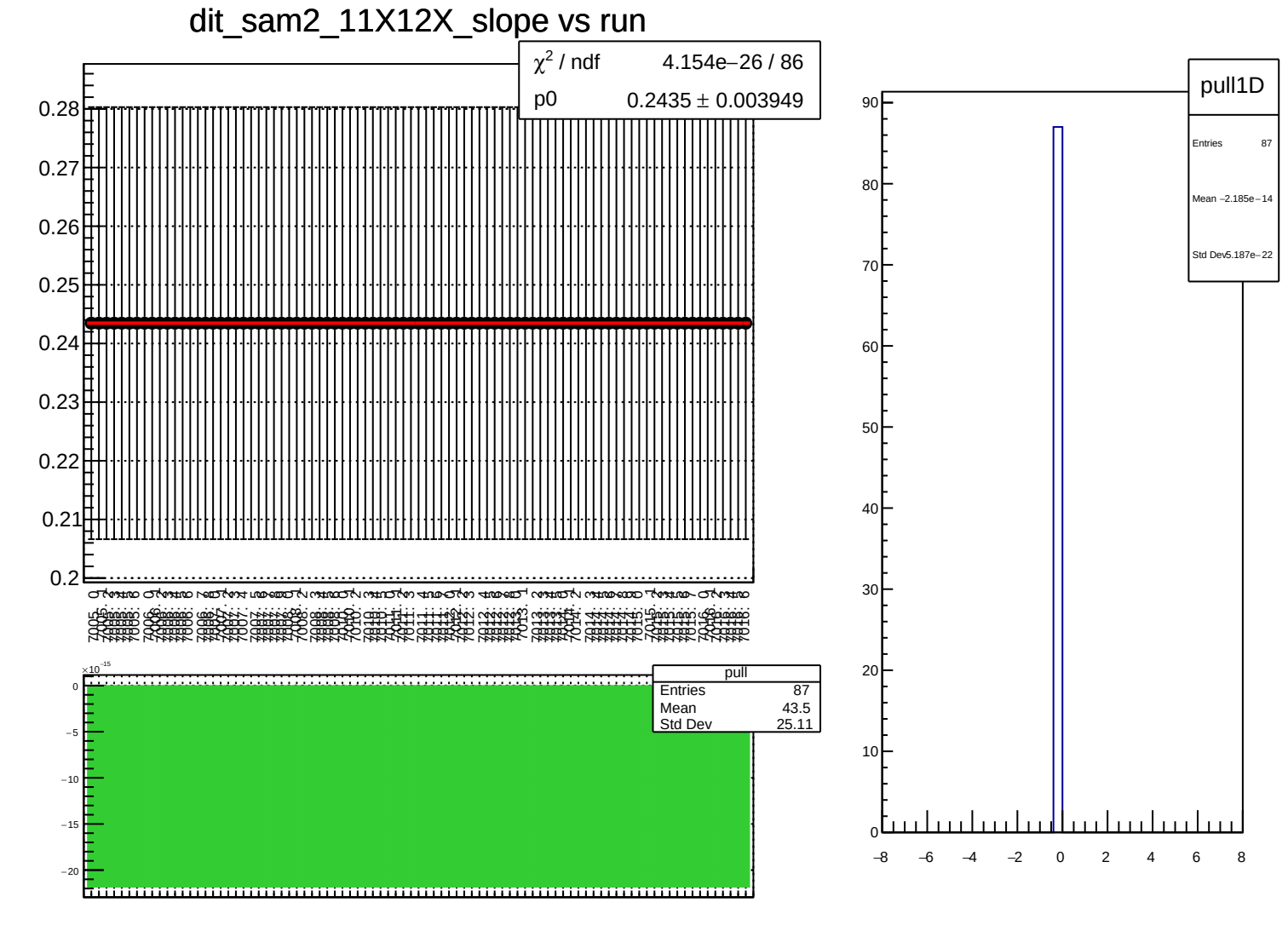

pull1D
Entries 87
Mean 1.593e−12
Std Dev7.171e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

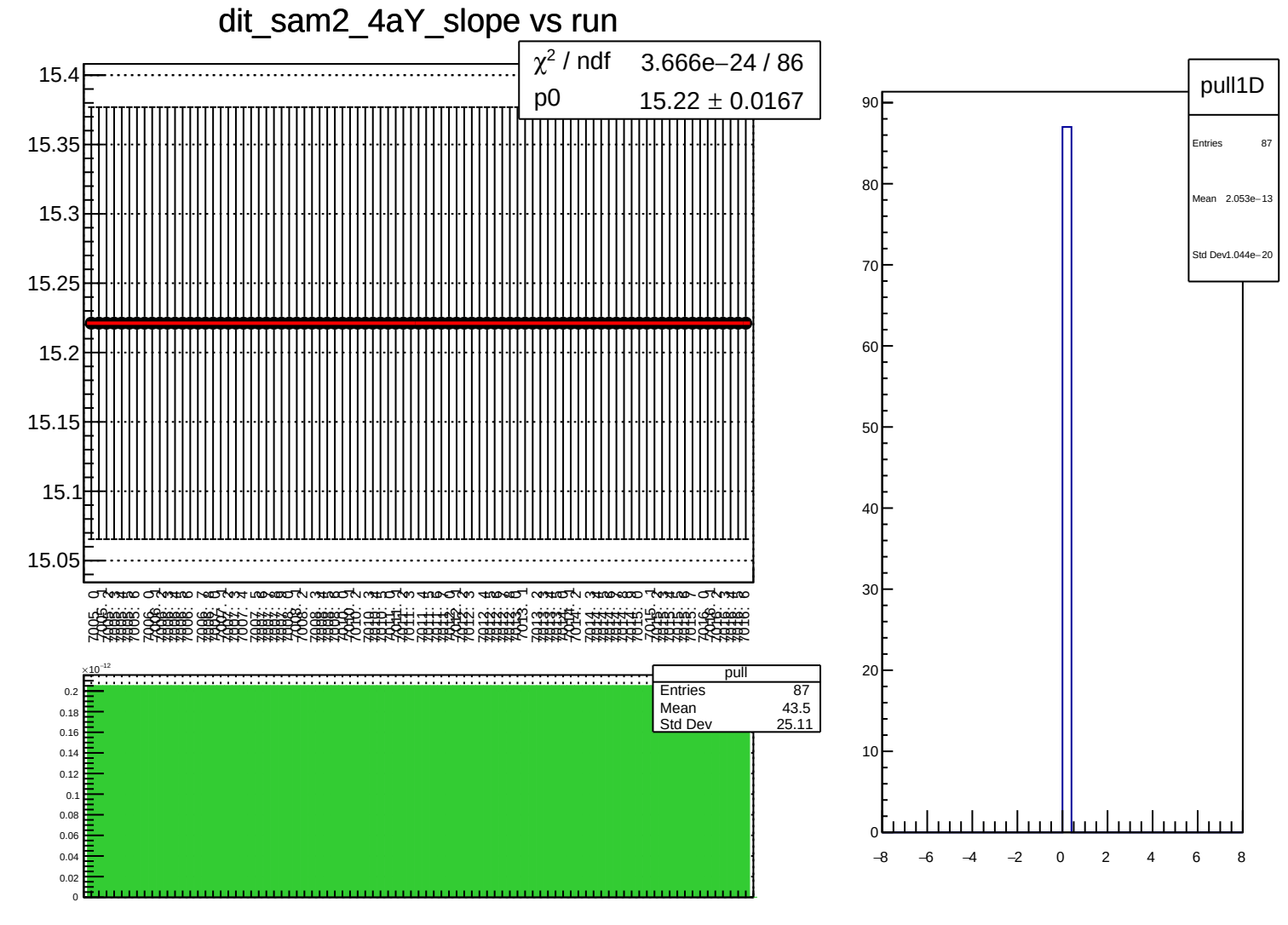

dit_sam1_4eY_slope vs run
χ² / ndf 8.38e−24 / 86
p0 8.461± 0.007363
8.54
8.52
8.5
8.48
8.46
8.44
8.42
8.4
8.38
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 87
Mean −3.104e−13
Std Dev1.694e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

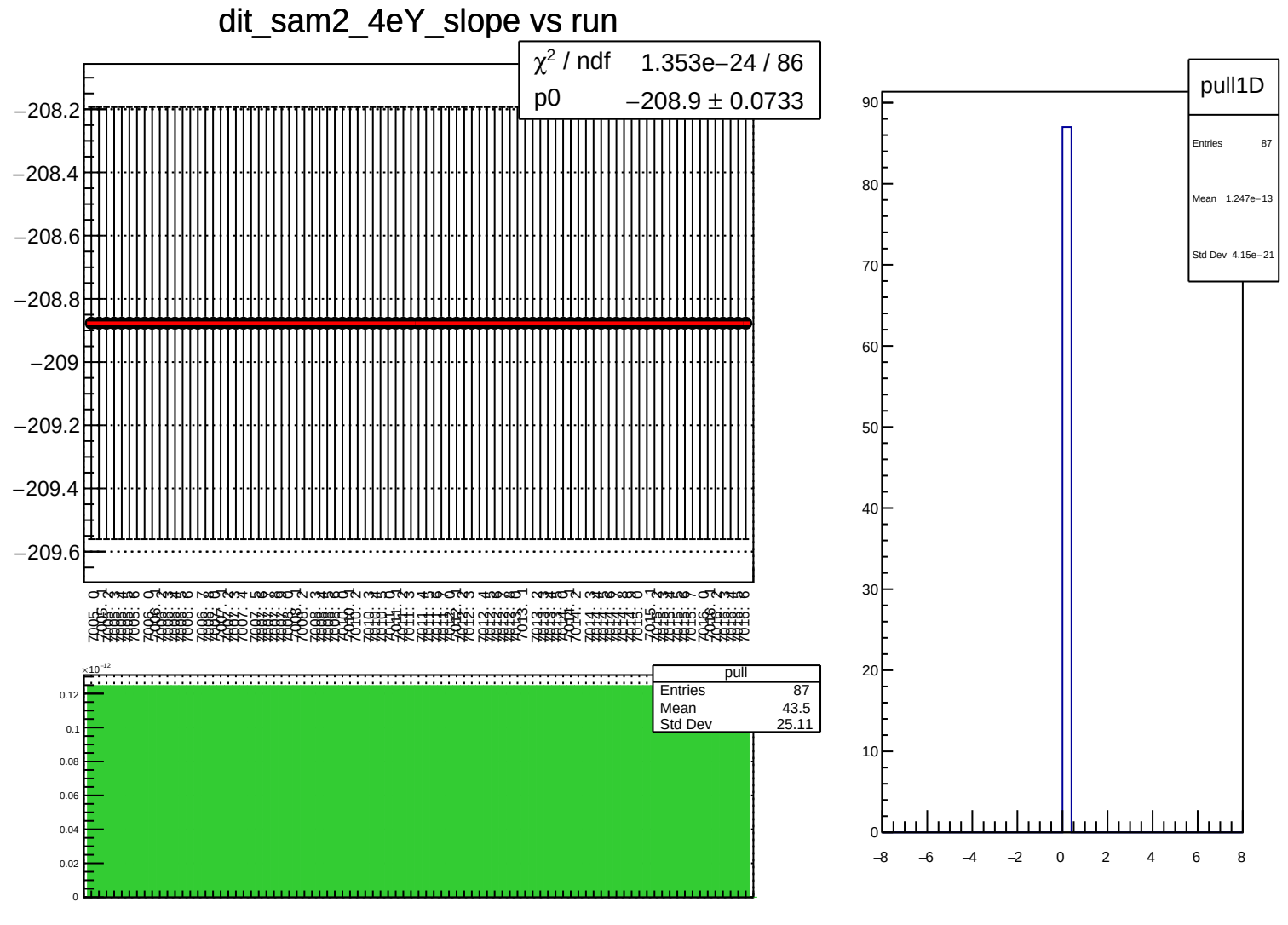

dit_sam2_4aX_slope vs run
χ² / ndf 1.631e−28 / 86
p0 8.323 ± 0.4173
pull
Entries 87
Mean 43.5
Std Dev 25.11

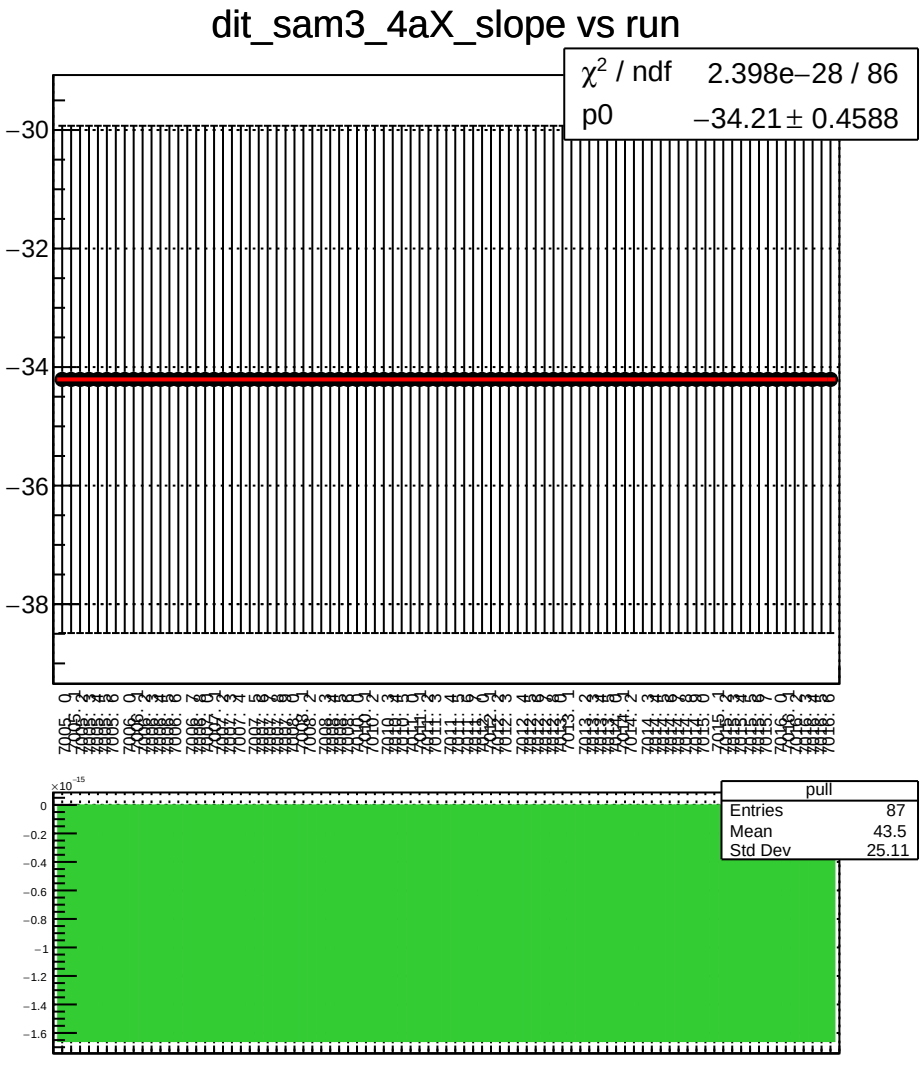

pull1D
Entries 87
Mean 1.369e−15
Std Dev1.008e−22

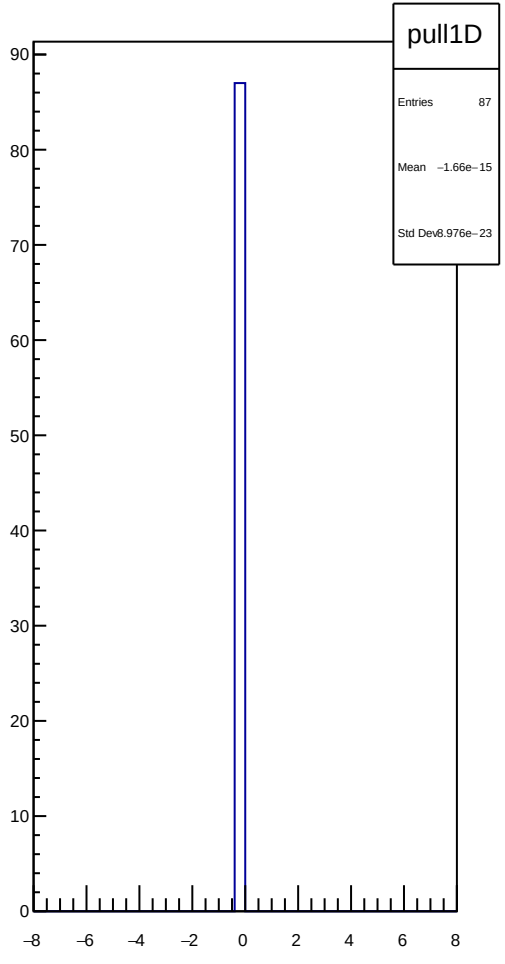

dit_sam2_4eX_slope vs run
χ² / ndf 1.107e−25 / 86
p0 −209.2 ± 0.3417
−206
−207
−208
−209
−210
−211
−212
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 87
Mean 3.567e−14
Std Dev 2.47e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

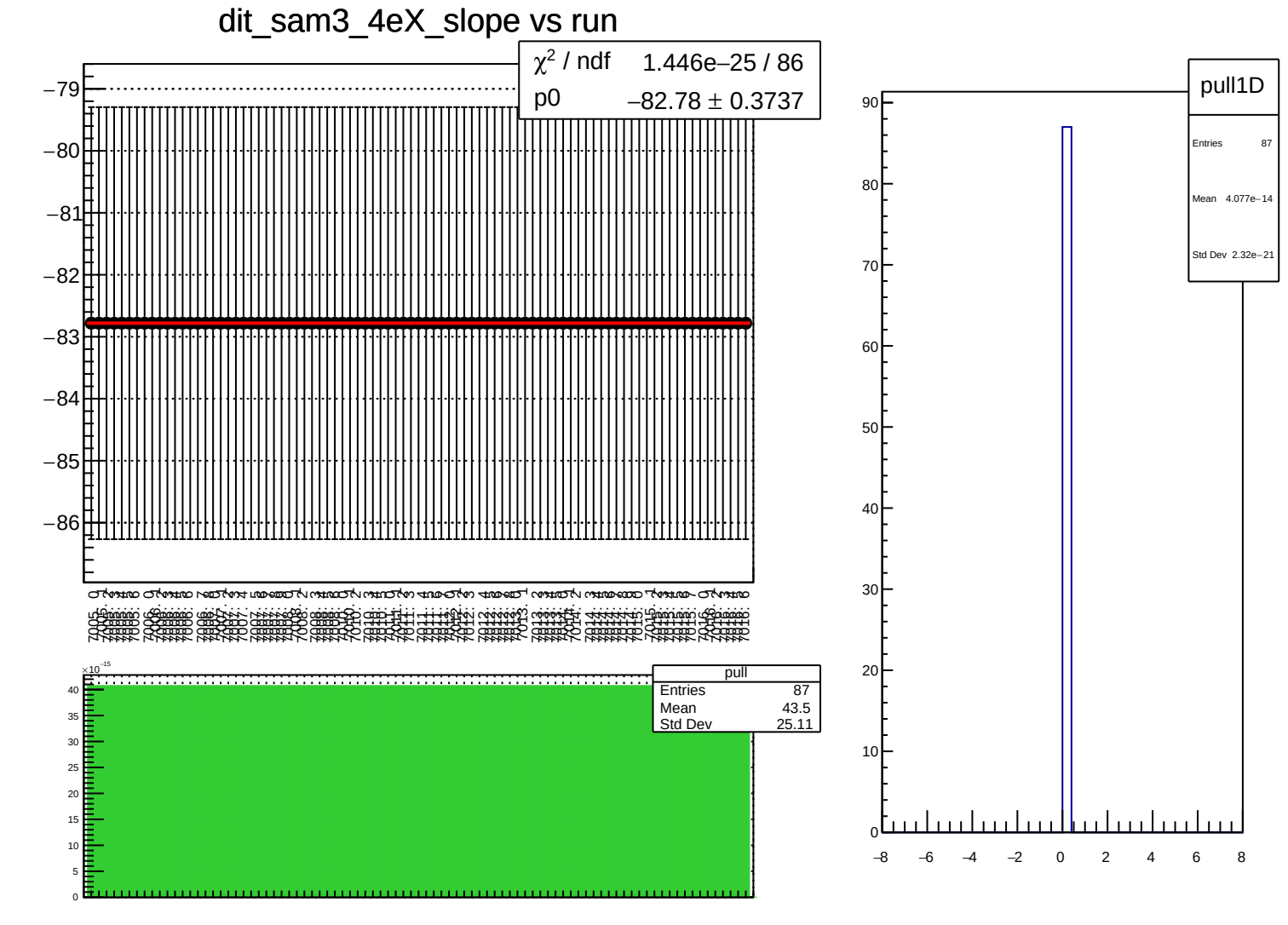

dit_sam2_11X12X_slope vs run
χ² / ndf 4.154e−26 / 86
p0 0.2435 ± 0.003949
0.28
0.27
0.26
0.25
0.24
0.23
0.22
0.21
0.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 87
Mean −2.185e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

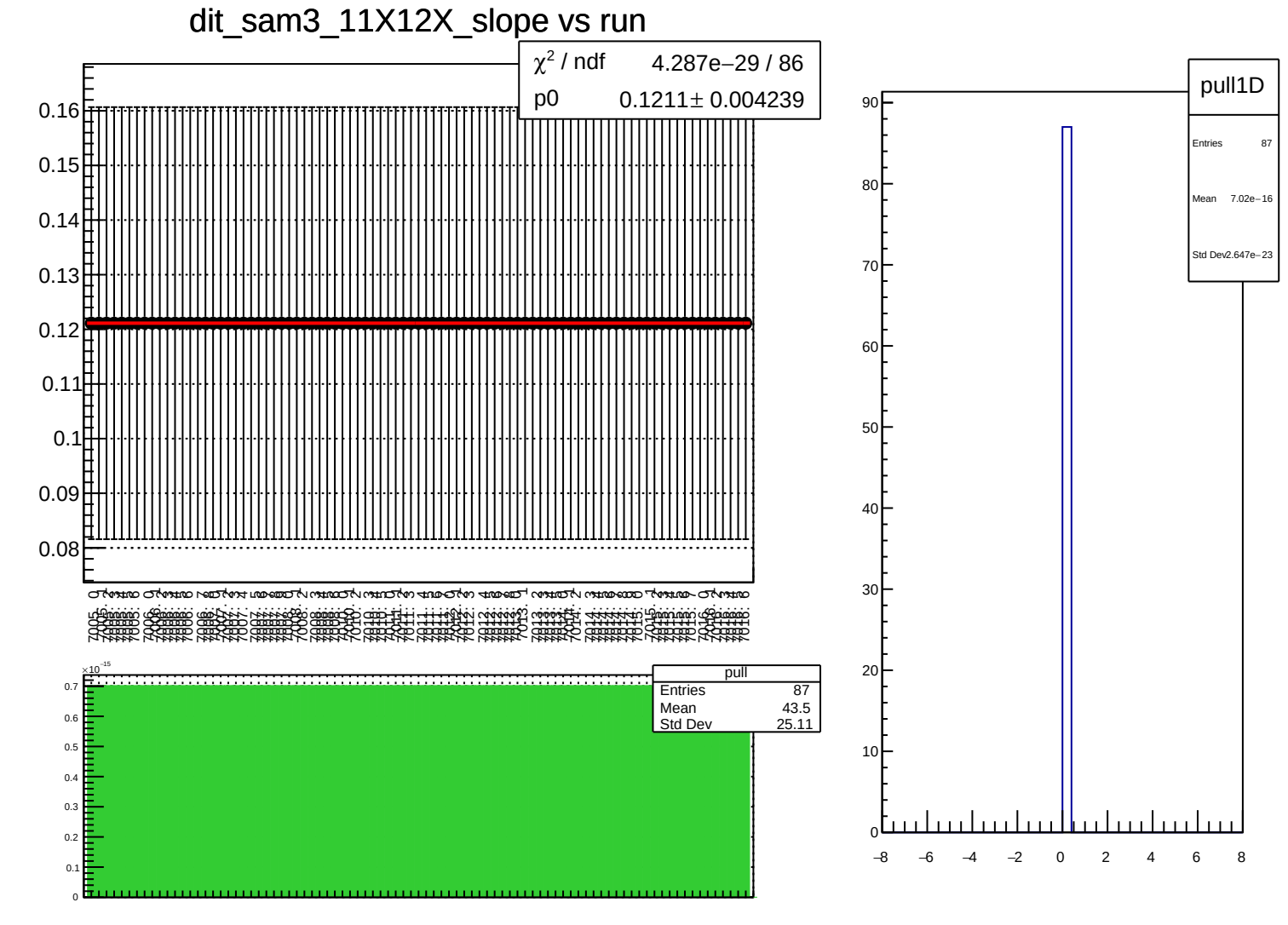

dit_sam2_4aY_slope vs run
χ² / ndf 3.666e−24 / 86
p0 15.22 ± 0.0167
15.4
15.35
15.3
15.25
15.2
15.15
15.1
15.05
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 2.053e−13
Std Dev1.044e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

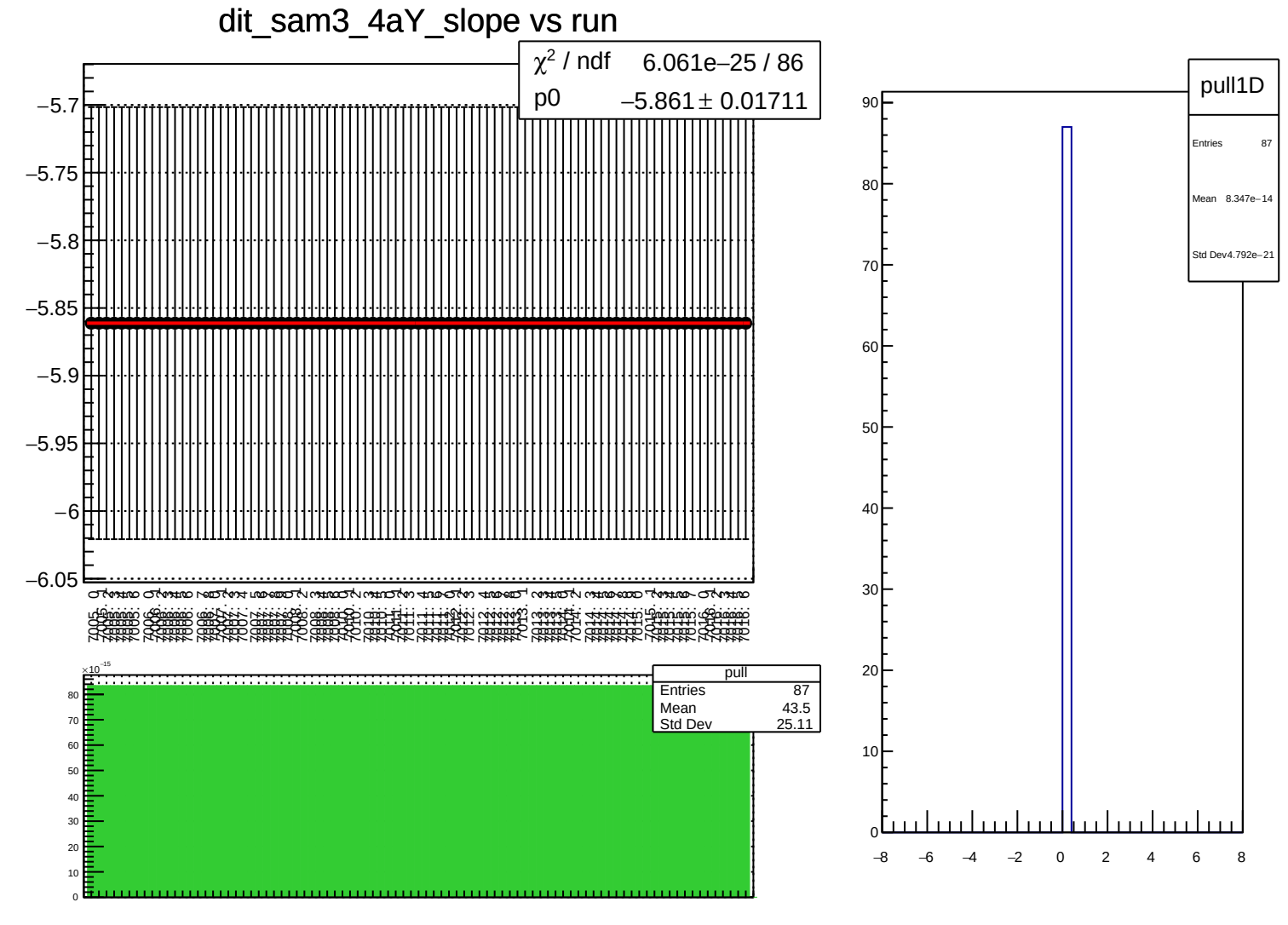

dit_sam2_4eY_slope vs run
χ² / ndf 1.353e−24 / 86
p0 −208.9 ± 0.0733
−208.2
−208.4
−208.6
−208.8
−209
−209.2
−209.4
−209.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.247e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

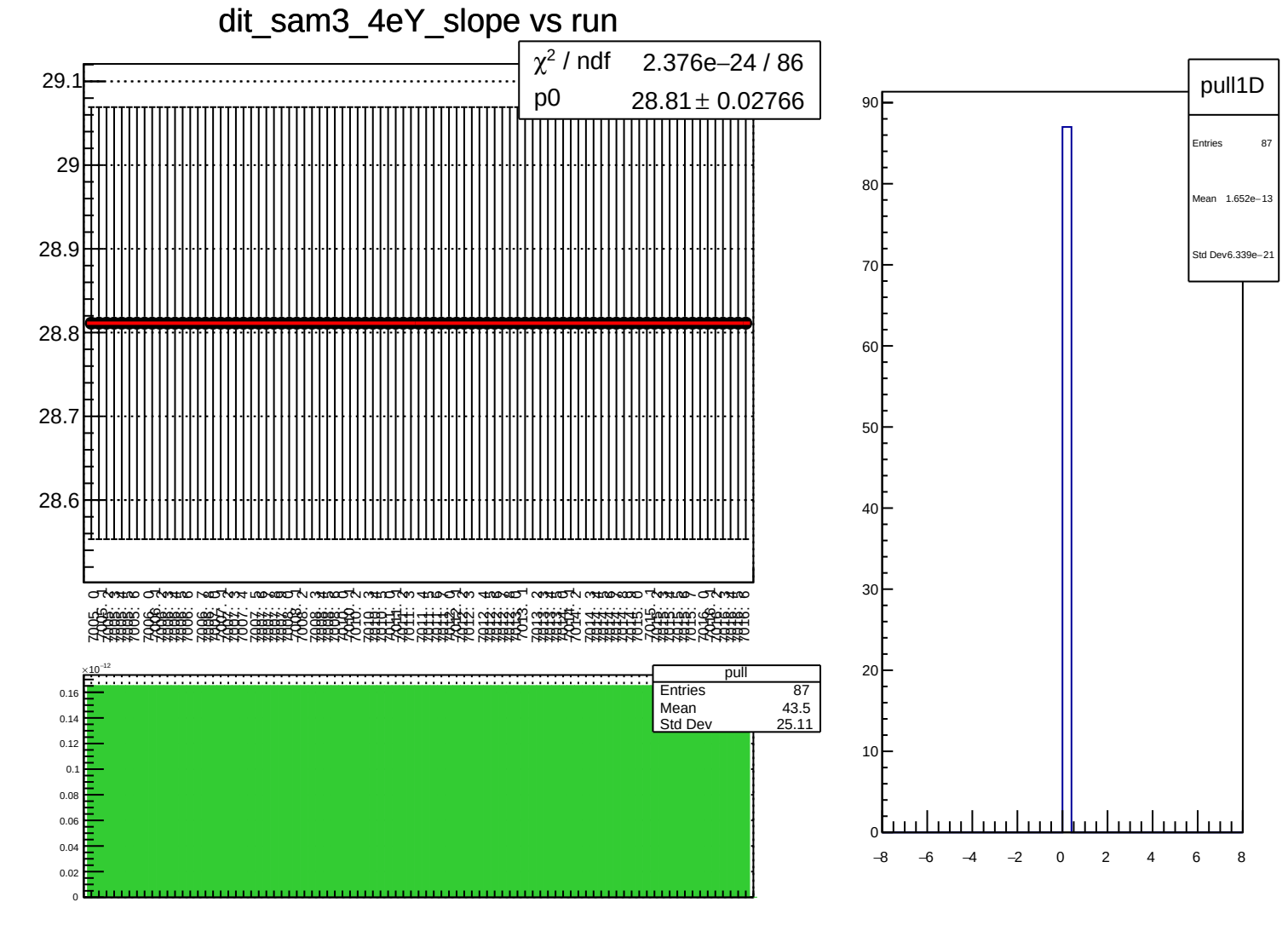

dit_sam3_4aX_slope vs run
χ² / ndf 2.398e−28 / 86
p0 −34.21 ± 0.4588
−30
−32
−34
−36
−38
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

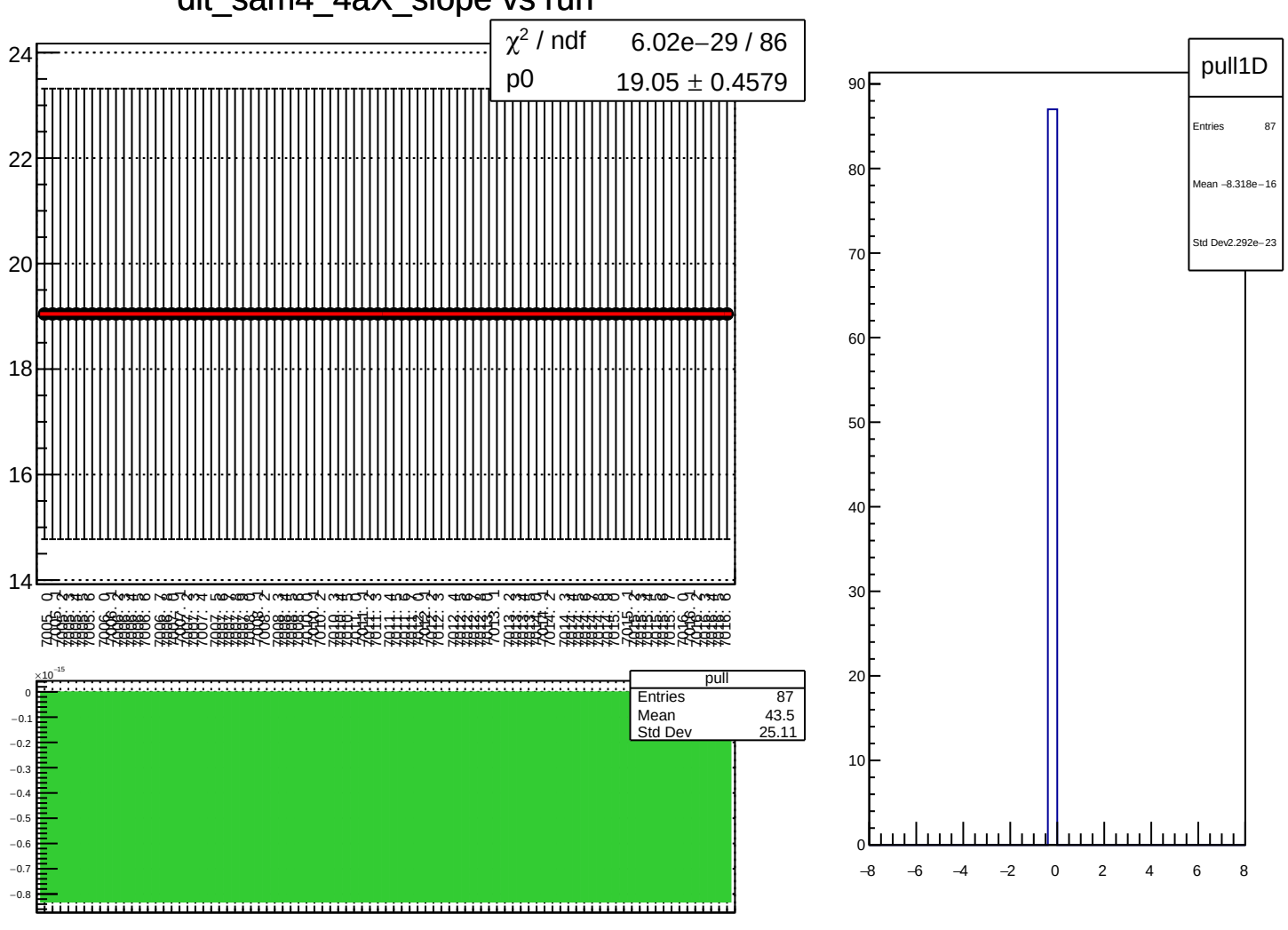

pull1D
Entries 87
Mean −1.66e−15
Std Dev 8.976e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

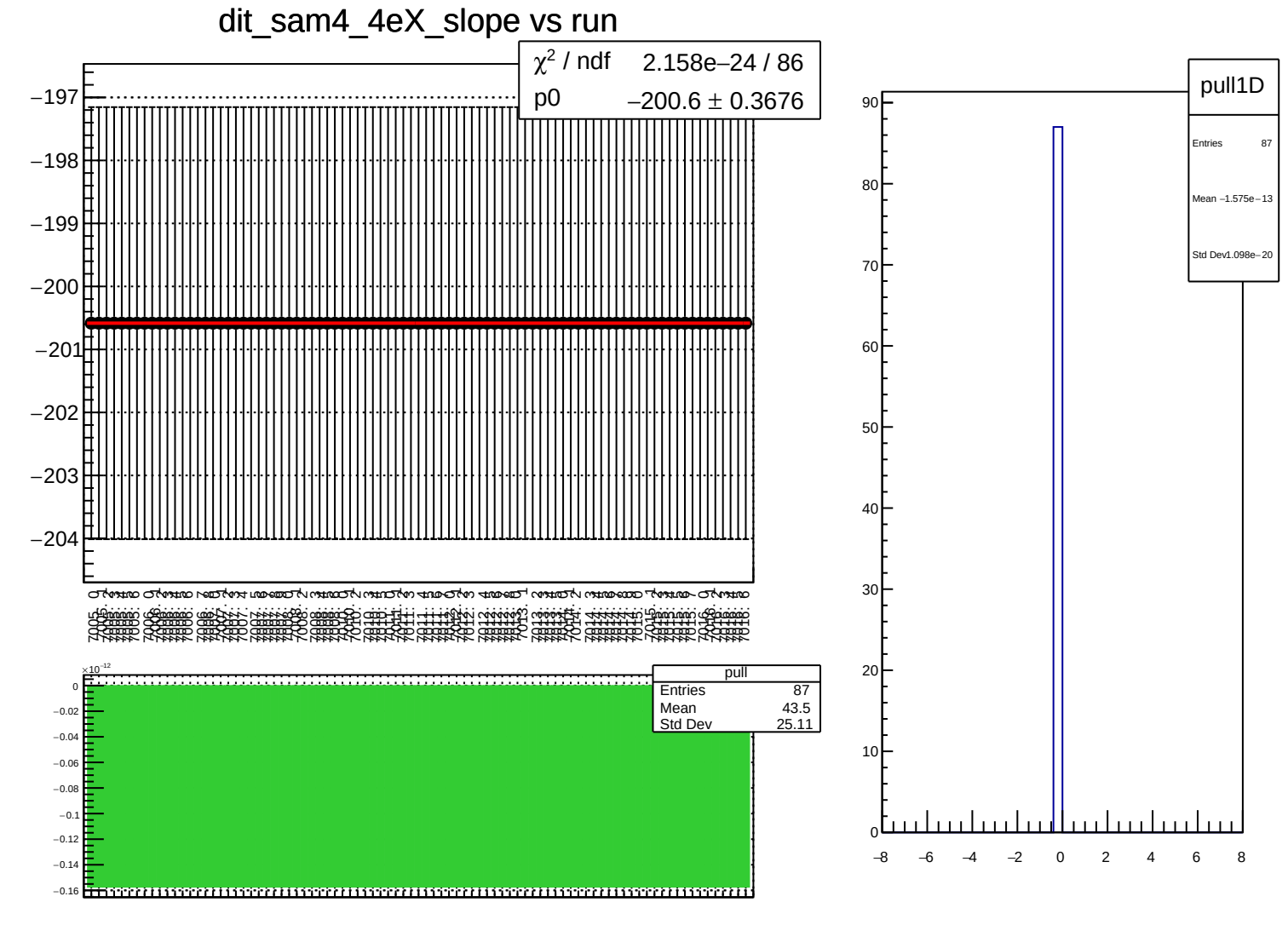

dit_sam3_4eX_slope vs run
χ² / ndf 1.446e−25 / 86
p0 −82.78 ± 0.3737
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 4.077e−14
Std Dev 2.32e−21

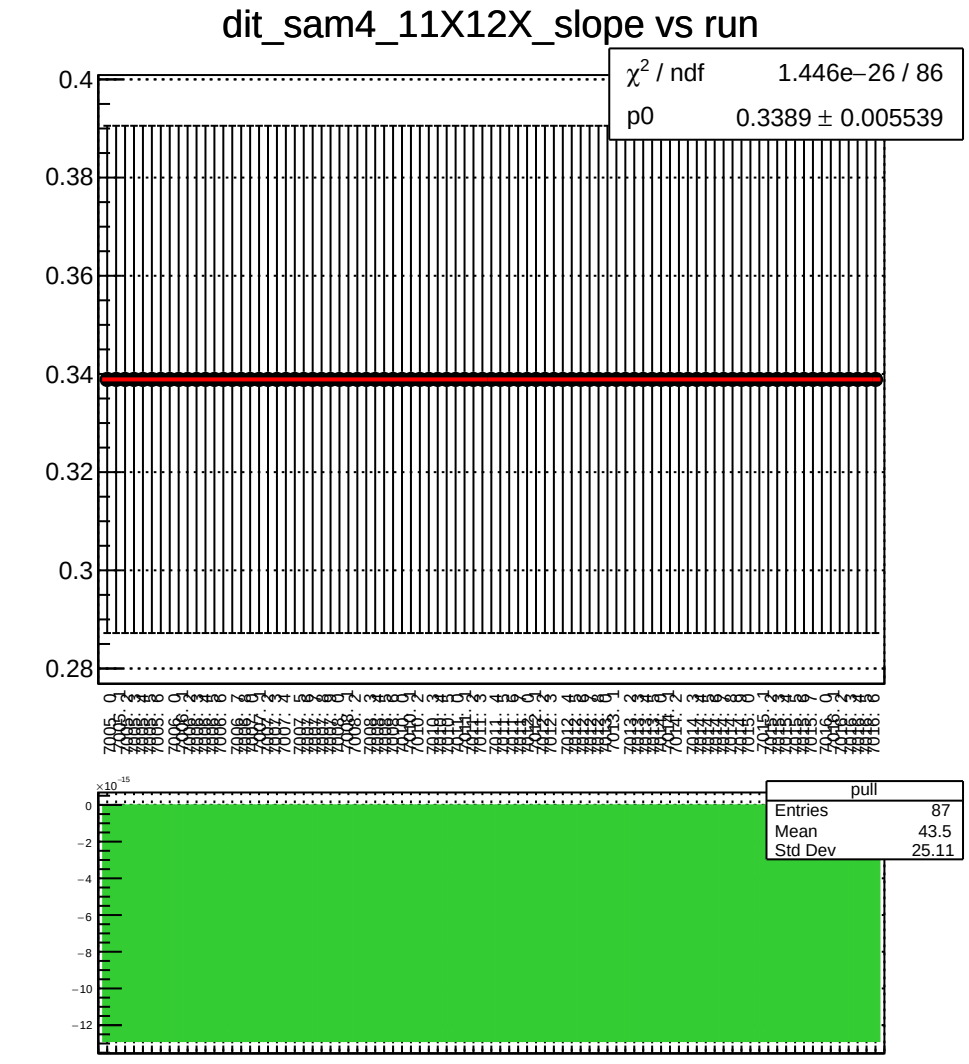

dit_sam3_11X12X_slope vs run
χ² / ndf 4.287e−29 / 86
p0 0.1211± 0.004239
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 87
Mean 7.02e−16
Std Dev 2.647e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

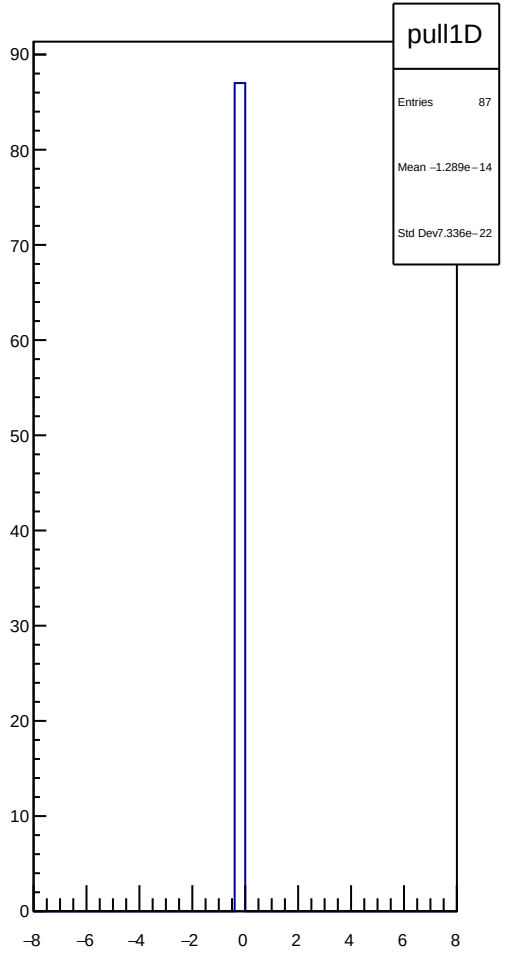

dit_sam3_4aY_slope vs run
χ² / ndf 6.061e−25 / 86
p0 −5.861 ± 0.01711
−5.7
−5.75
−5.8
−5.85
−5.9
−5.95
−6
−6.05
×10⁻¹⁵
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 8.347e−14
Std Dev 4.792e−21

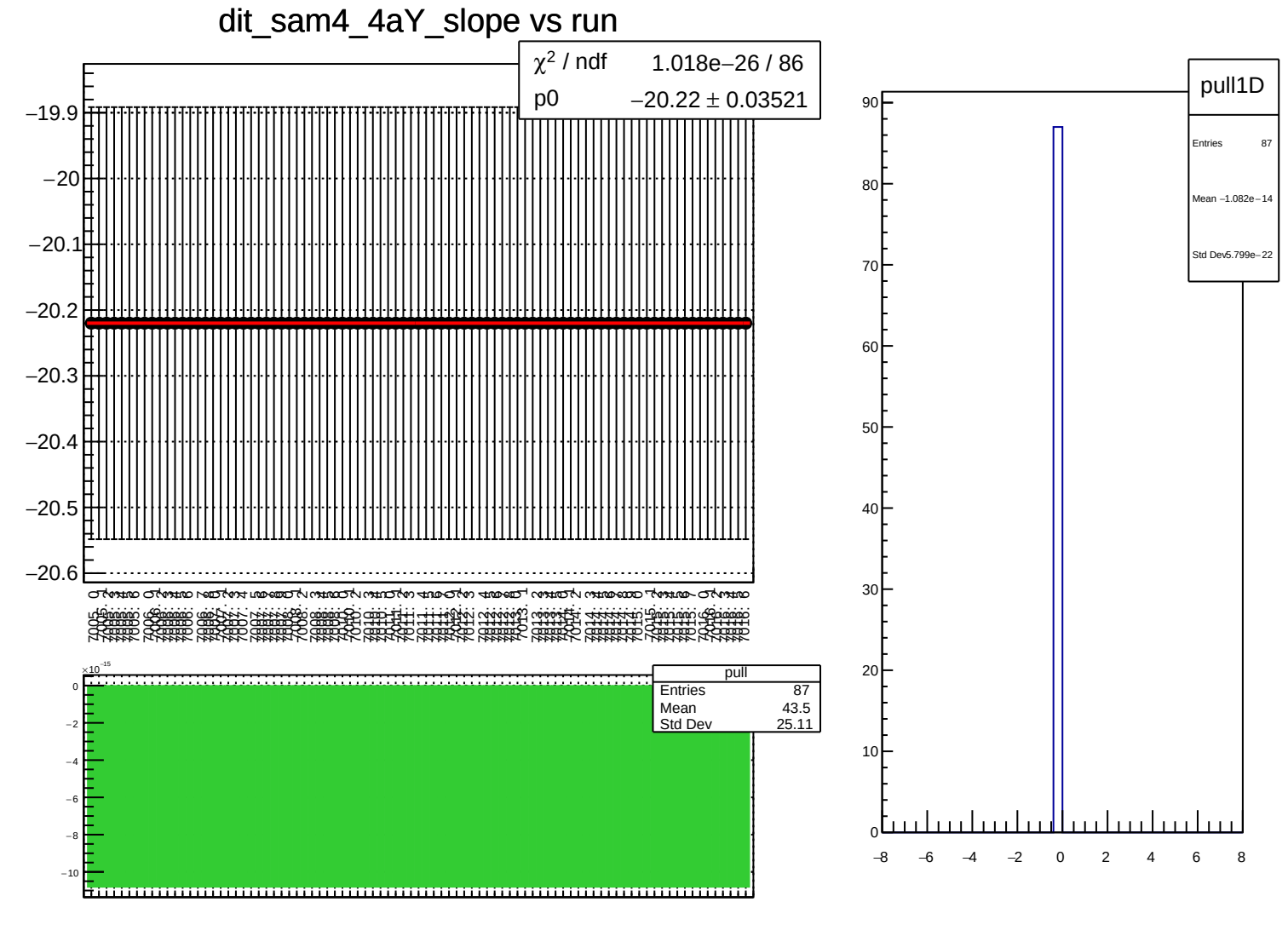

dit_sam3_4eY_slope vs run
χ² / ndf 2.376e−24 / 86
p0 28.81 ± 0.02766
29.1
29
28.9
28.8
28.7
28.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.652e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

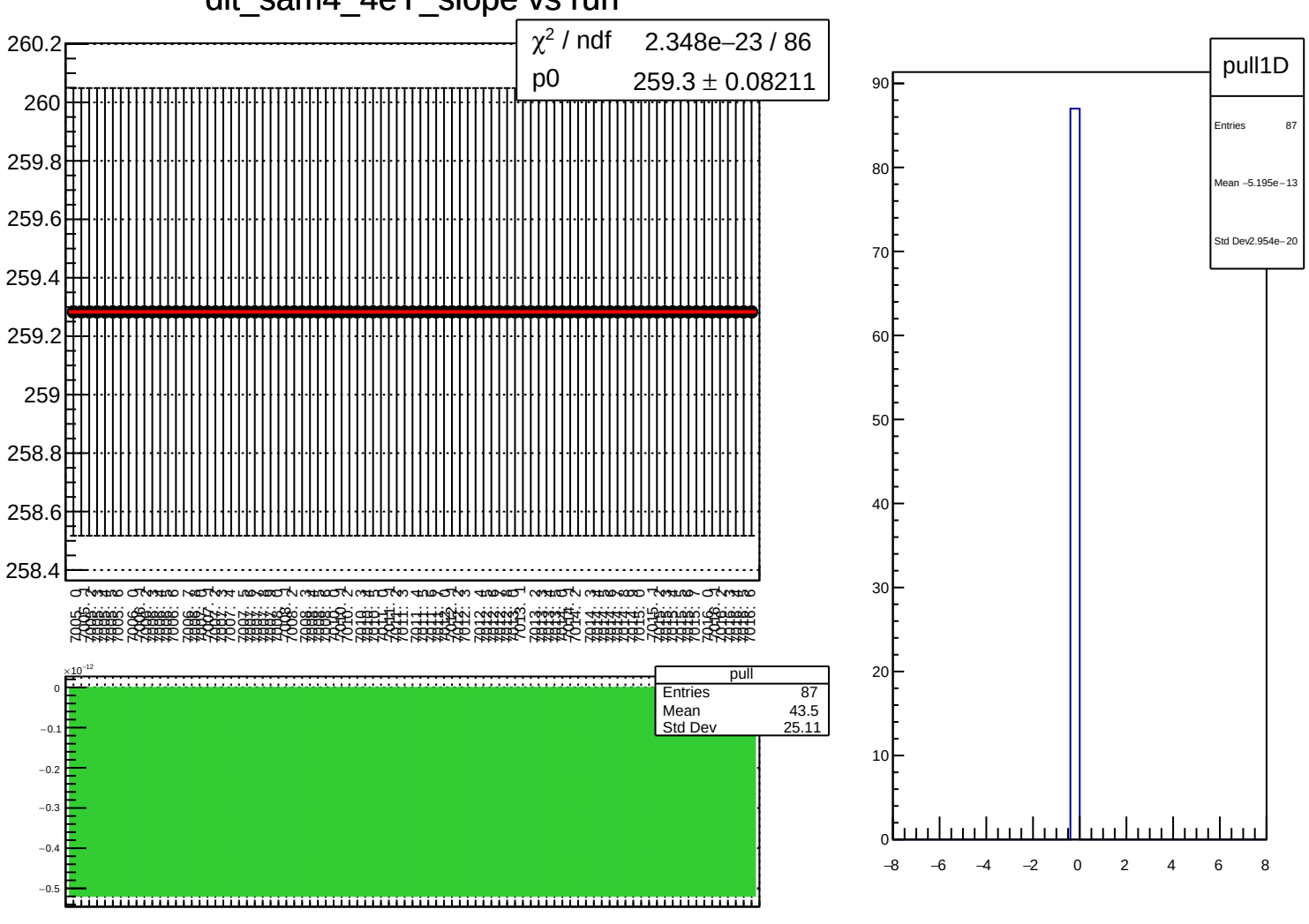

dit_sam4_4aX_slope vs run
χ² / ndf 6.02e−29 / 86
p0 19.05 ± 0.4579
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −8.318e−16
Std Dev 2.292e−23

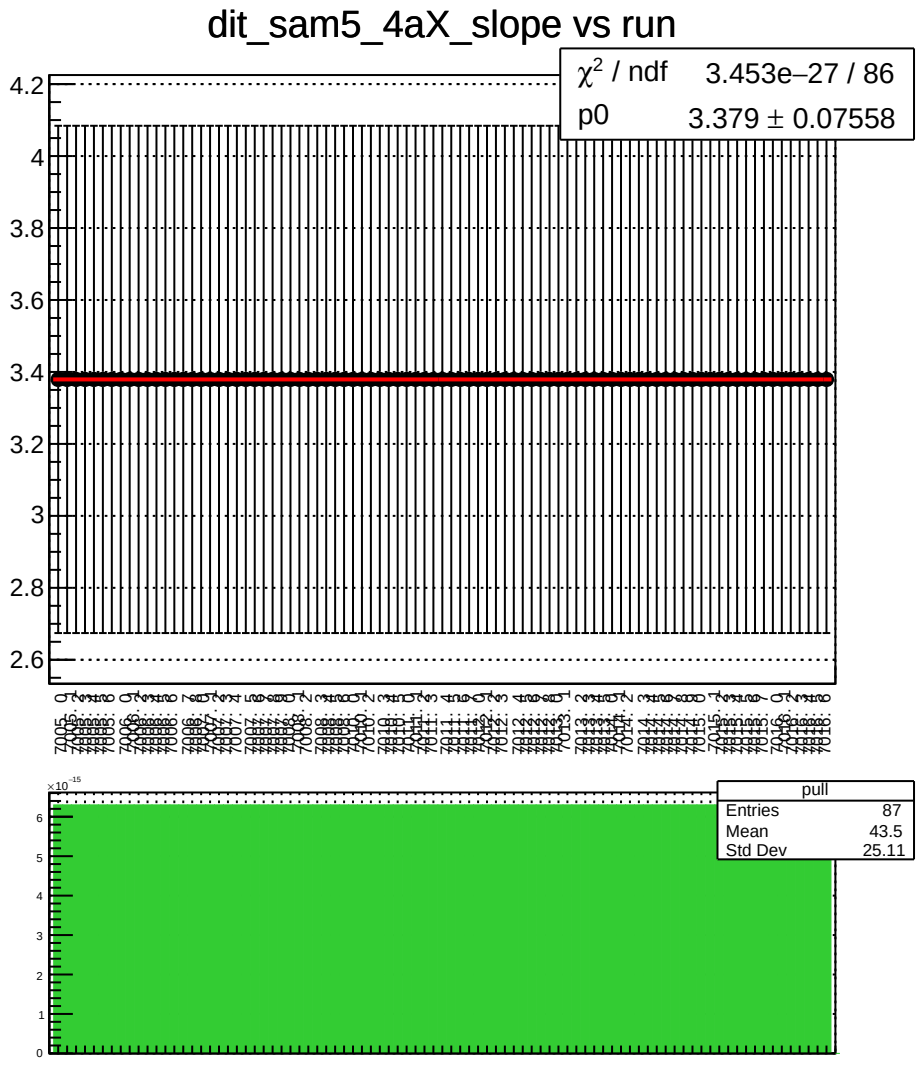

dit_sam4_4eX_slope vs run
χ² / ndf 2.158e−24 / 86
p0 −200.6 ± 0.3676
−197
−198
−199
−200
−201
−202
−203
−204
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.575e−13
Std Dev1.098e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

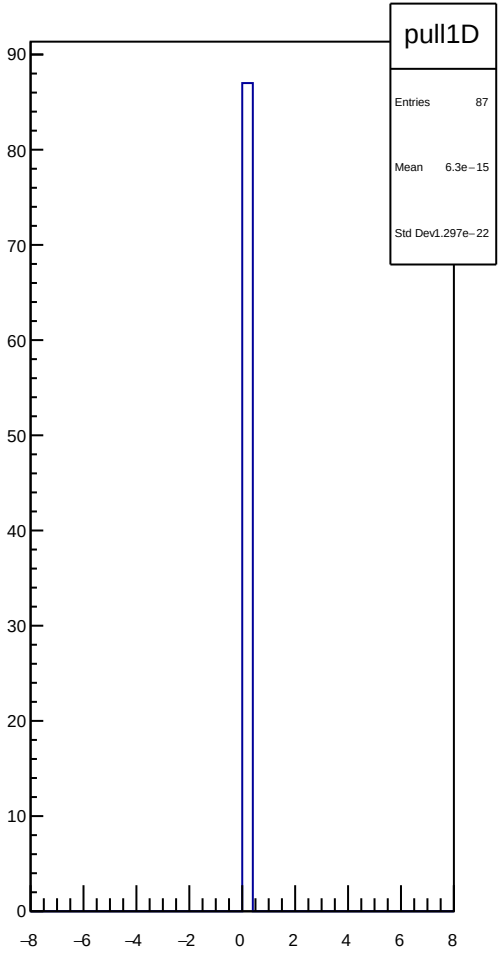

dit_sam4_11X12X_slope vs run
χ² / ndf 1.446e−26 / 86
p0 0.3389 ± 0.005539
0.4
0.38
0.36
0.34
0.32
0.3
0.28
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

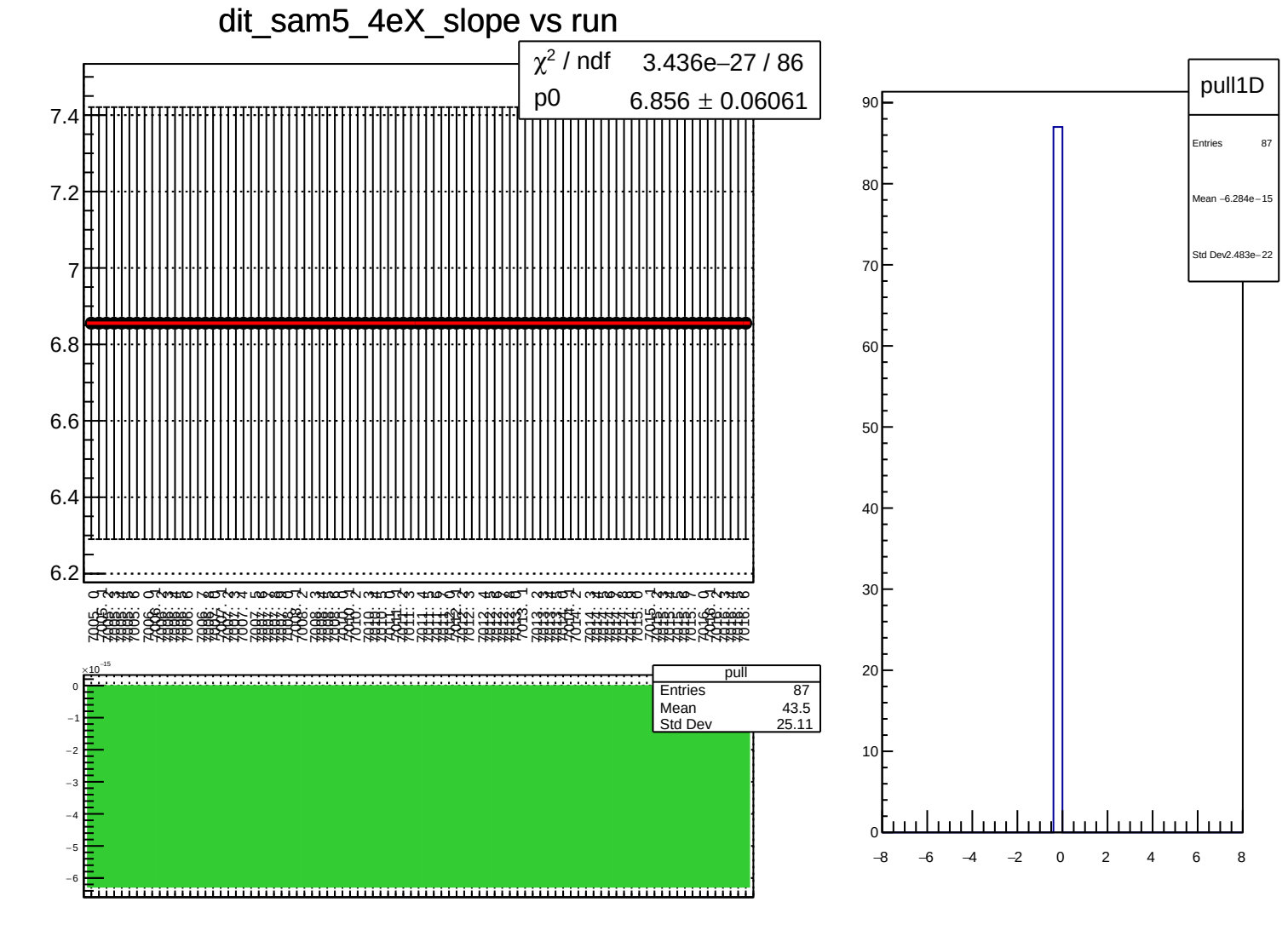

pull1D
Entries 87
Mean −1.289e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

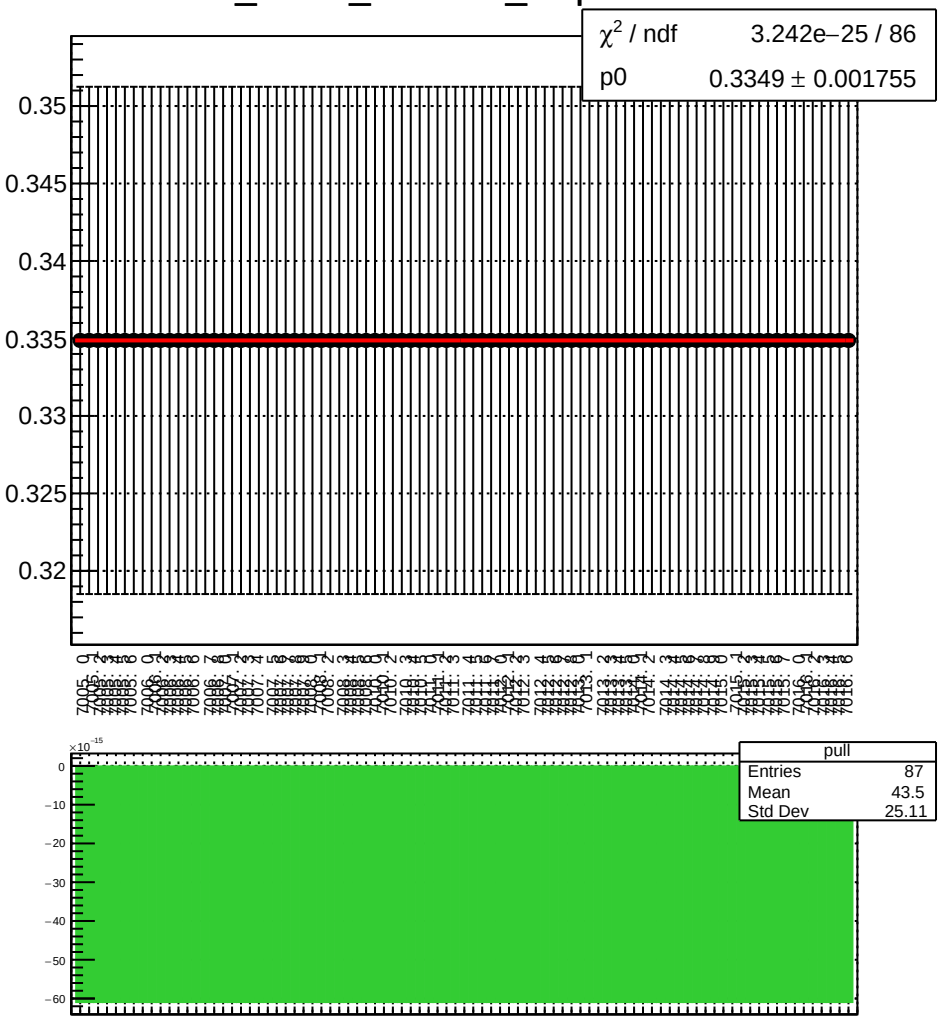

dit_sam4_4aY_slope vs run
χ² / ndf 1.018e−26 / 86
p0 −20.22 ± 0.03521
−19.9
−20
−20.1
−20.2
−20.3
−20.4
−20.5
−20.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 87
Mean −1.082e−14
Std Dev 5.799e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

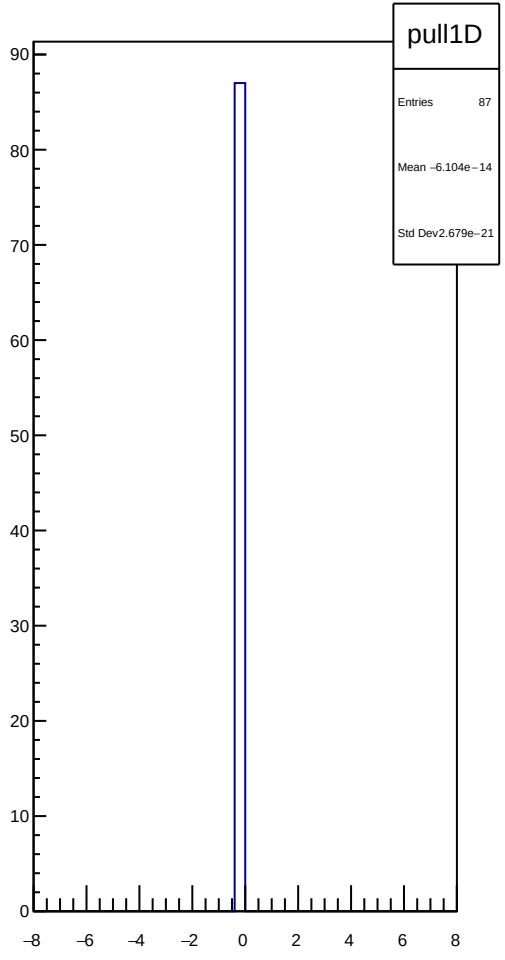

dit_sam4_4eY_slope vs run
χ² / ndf 2.348e−23 / 86
p0 259.3 ± 0.08211
260.2
260
259.8
259.6
259.4
259.2
259
258.8
258.6
258.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 87
Mean −5.195e−13
Std Dev 2.954e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

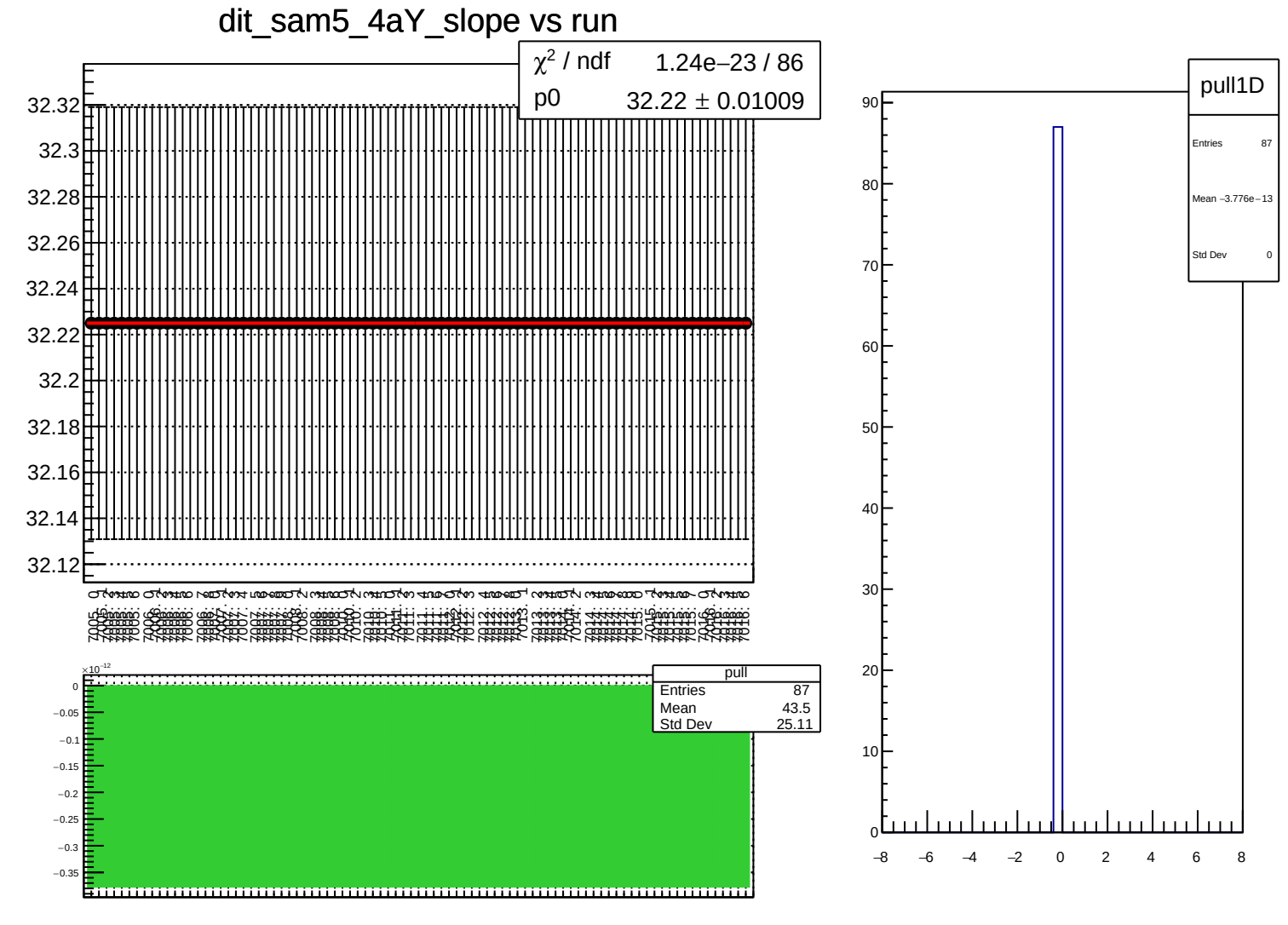

dit_sam5_4aX_slope vs run
χ² / ndf 3.453e−27 / 86
p0 3.379 ± 0.07558
pull
Entries 87
Mean 43.5
Std Dev 25.11

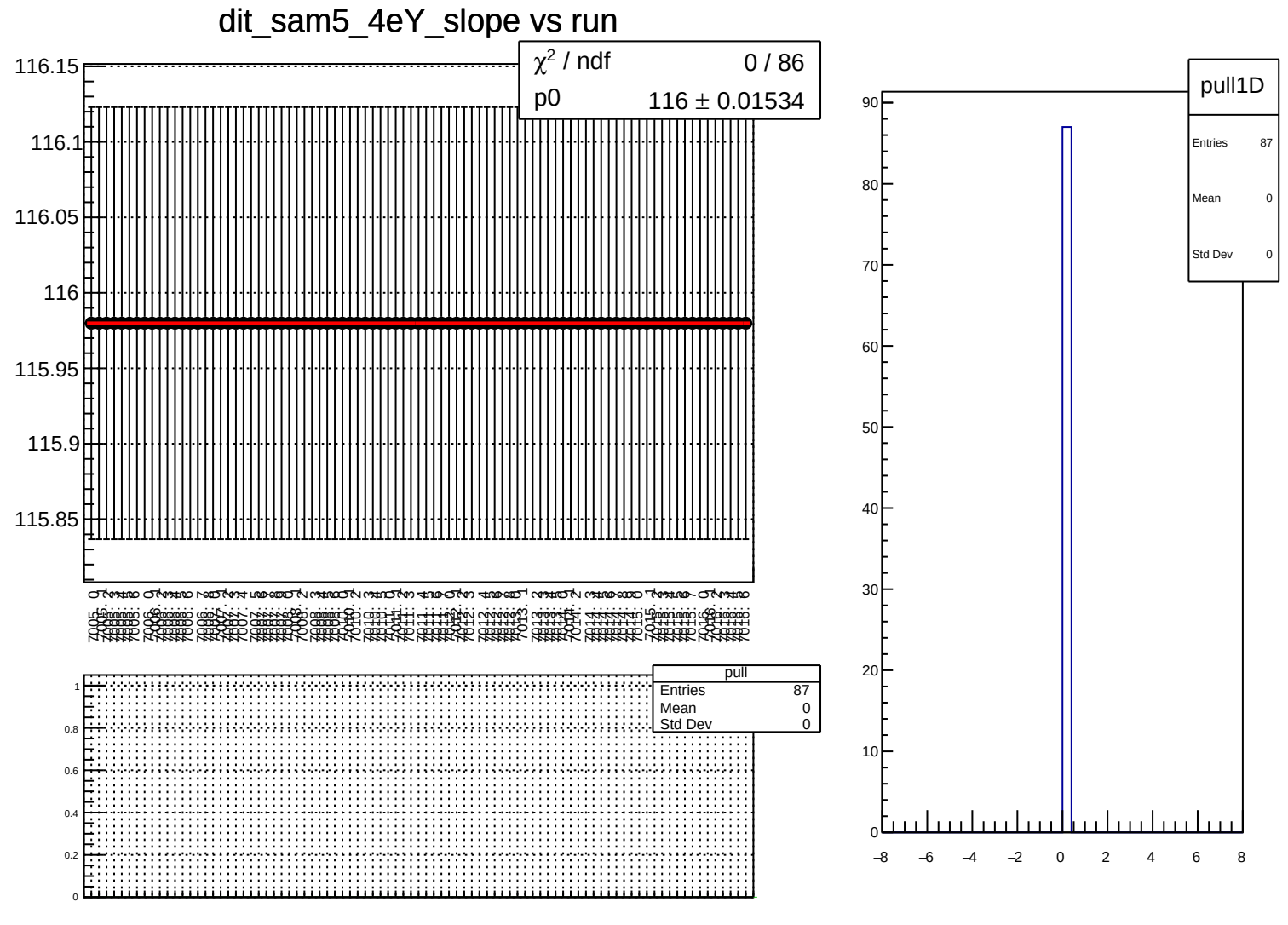

pull1D
Entries 87
Mean 6.3e−15
Std Dev1.297e−22

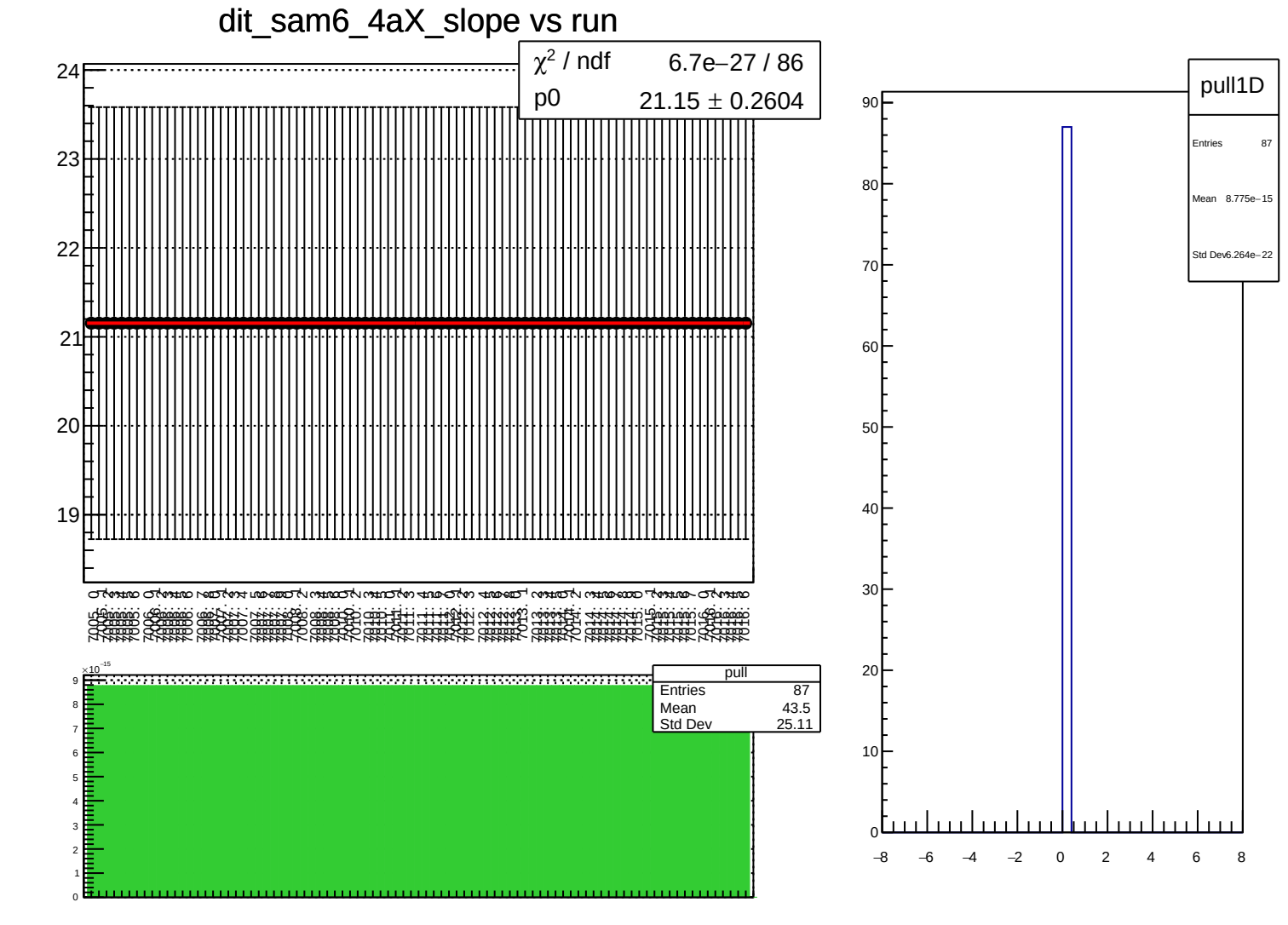

dit_sam5_4eX_slope vs run
χ² / ndf 3.436e−27 / 86
p0 6.856 ± 0.06061
7.4
7.2
7
6.8
6.6
6.4
6.2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −6.284e−15
Std Dev2.483e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

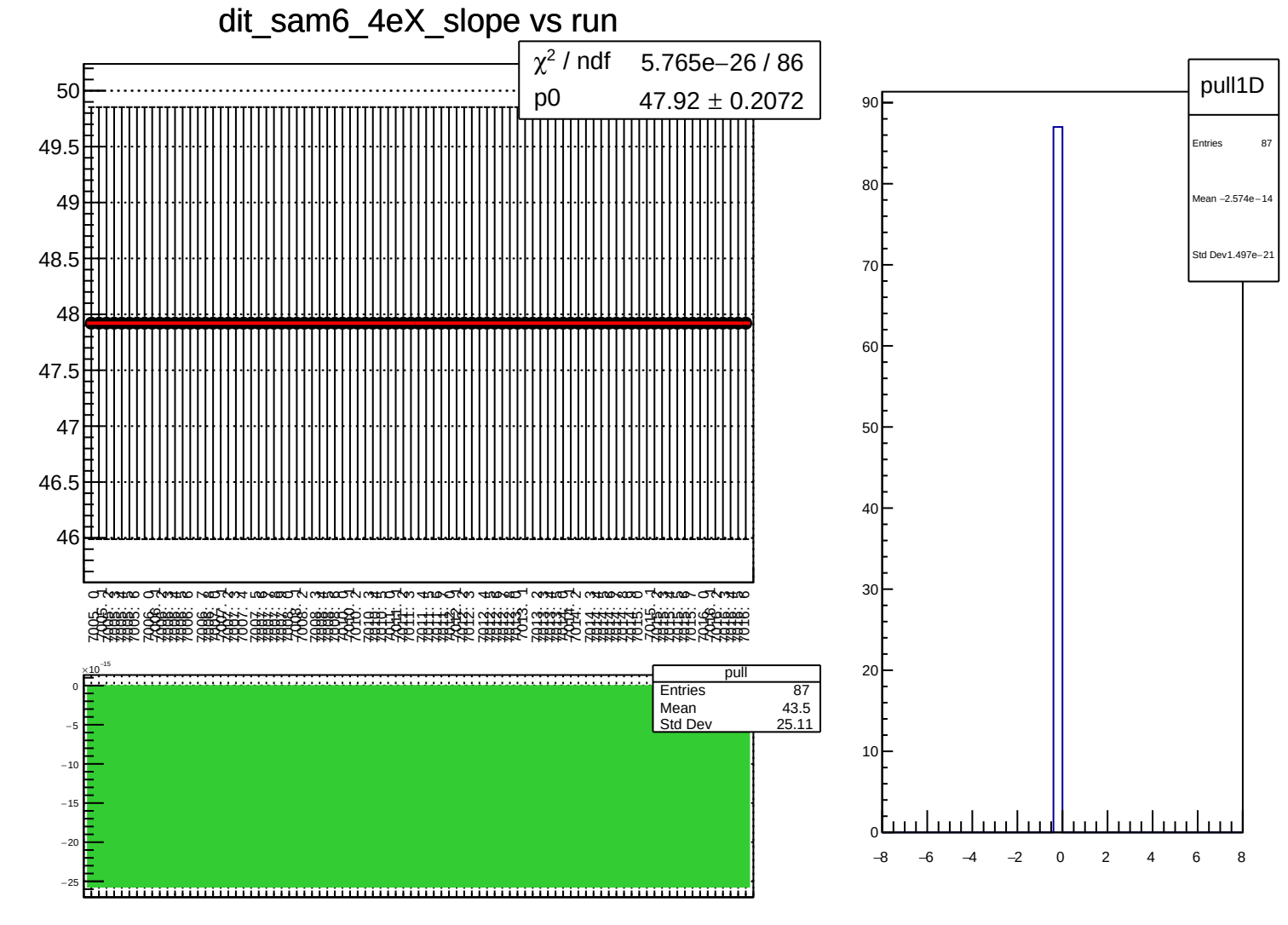

dit_sam5_11X12X_slope vs run
χ² / ndf 3.242e−25 / 86
p0 0.3349 ± 0.001755
0.35
0.345
0.34
0.335
0.33
0.325
0.32
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

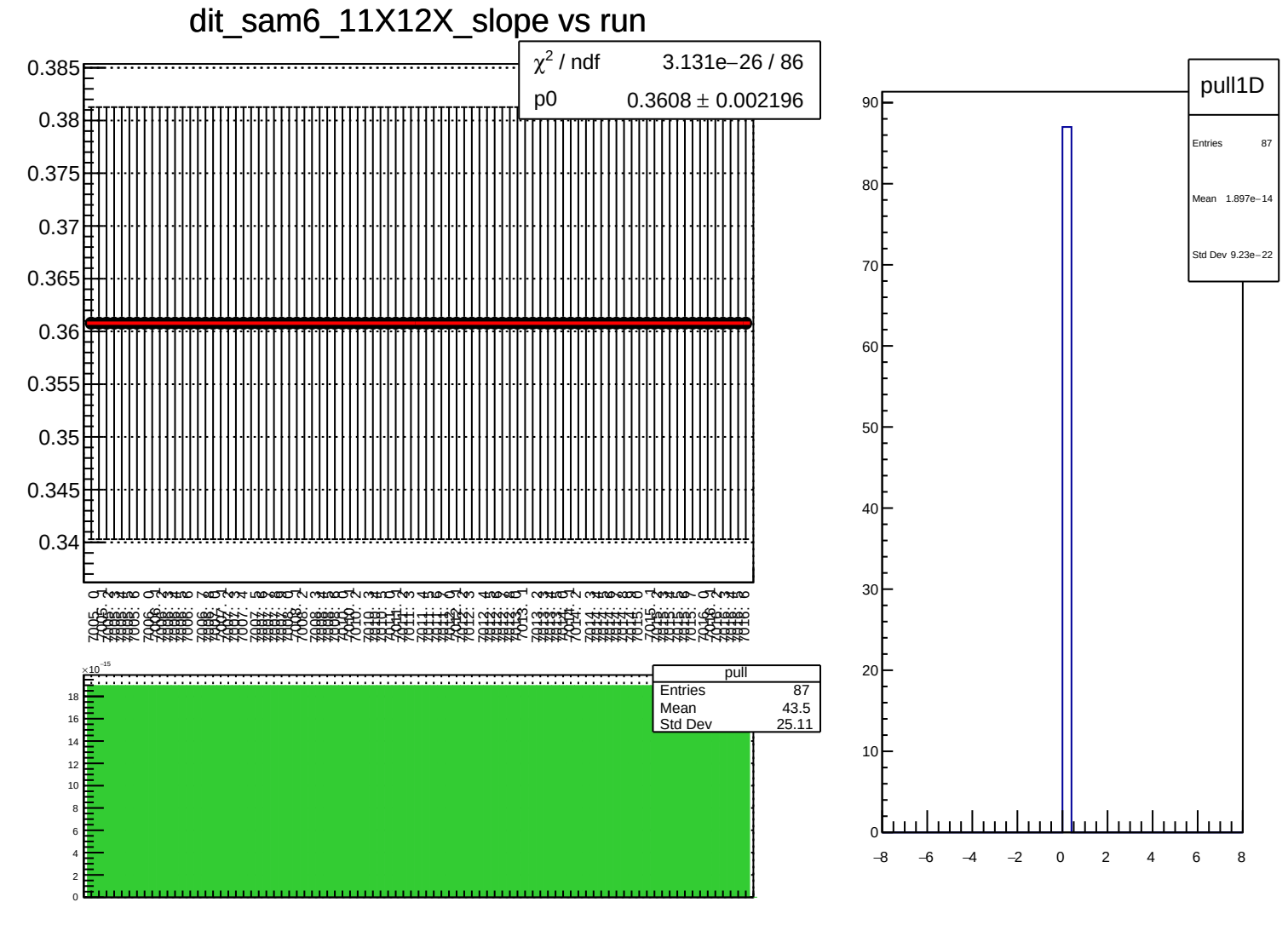

pull1D
Entries 87
Mean −6.104e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

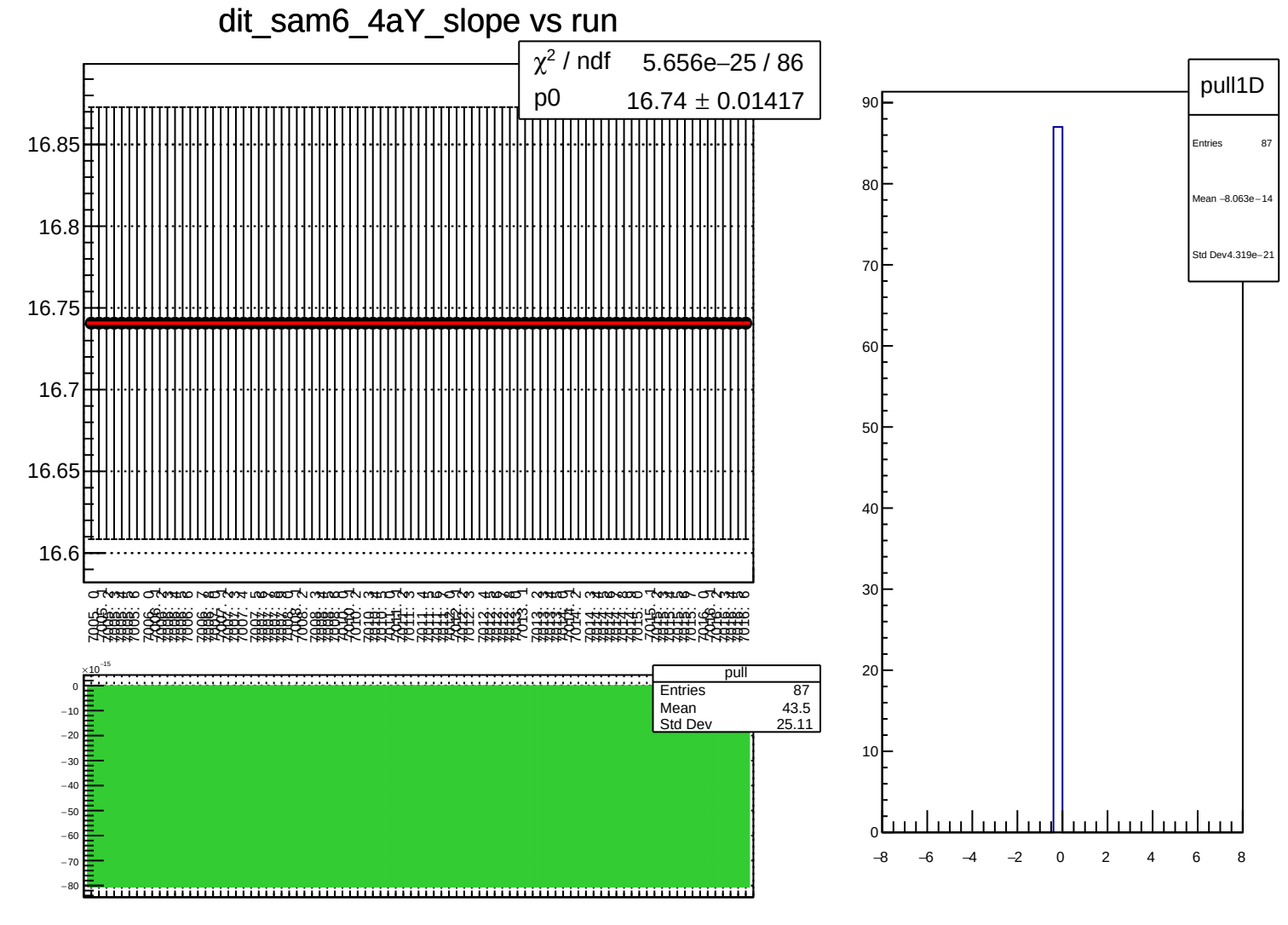

dit_sam5_4aY_slope vs run
χ² / ndf 1.24e−23 / 86
p0 32.22 ± 0.01009
32.32
32.3
32.28
32.26
32.24
32.22
32.2
32.18
32.16
32.14
32.12
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −3.776e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

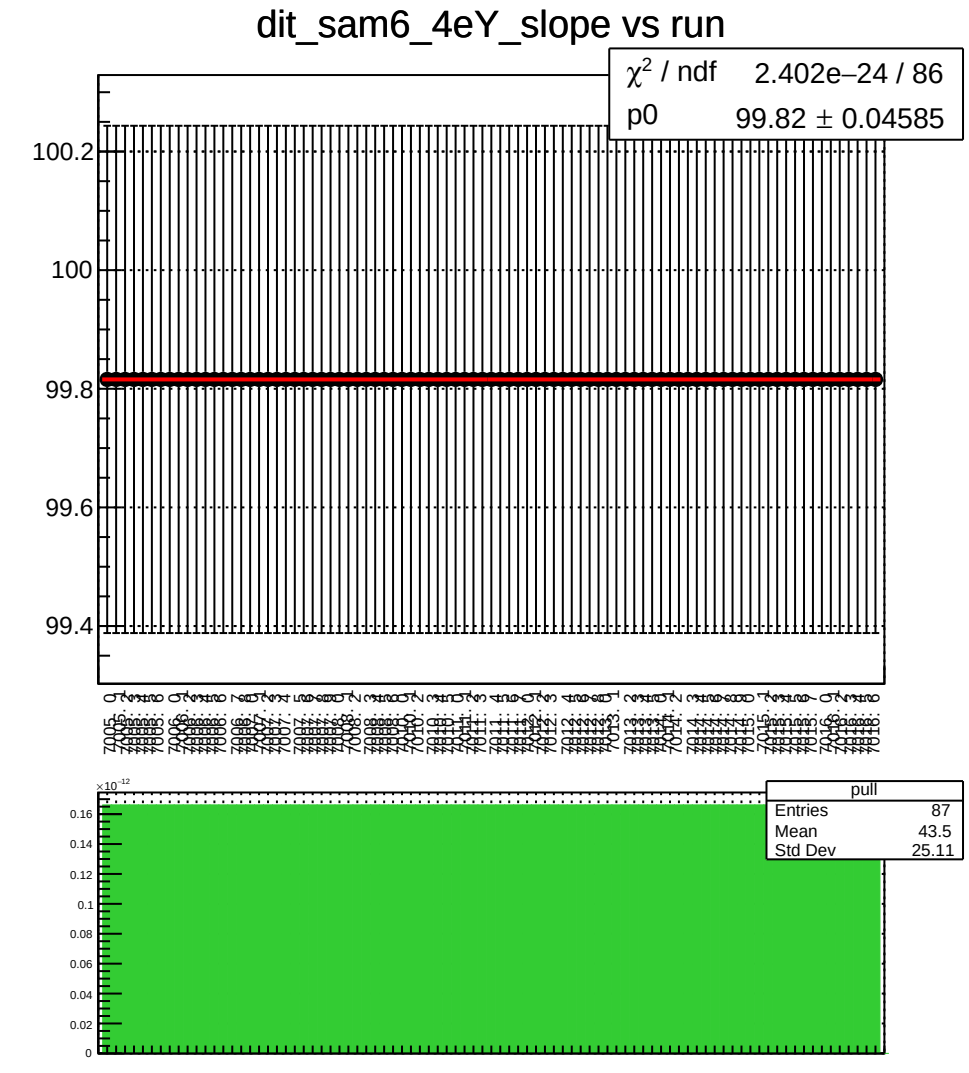

dit_sam5_4eY_slope vs run
χ² / ndf 0 / 86
p0 116 ± 0.01534
116.15
116.1
116.05
116
115.95
115.9
115.85
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

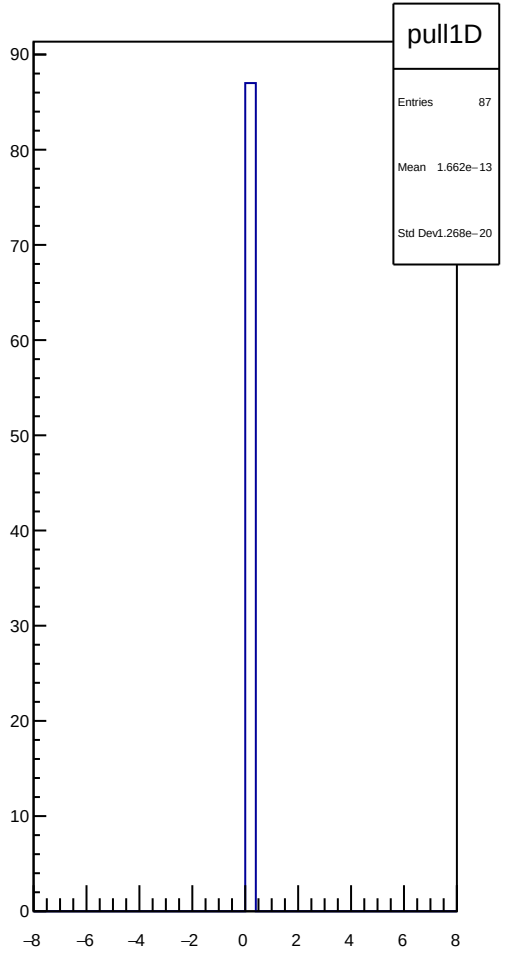

dit_sam6_4aX_slope vs run
χ² / ndf 6.7e−27 / 86
p0 21.15 ± 0.2604
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 8.775e−15
Std Dev 6.264e−22

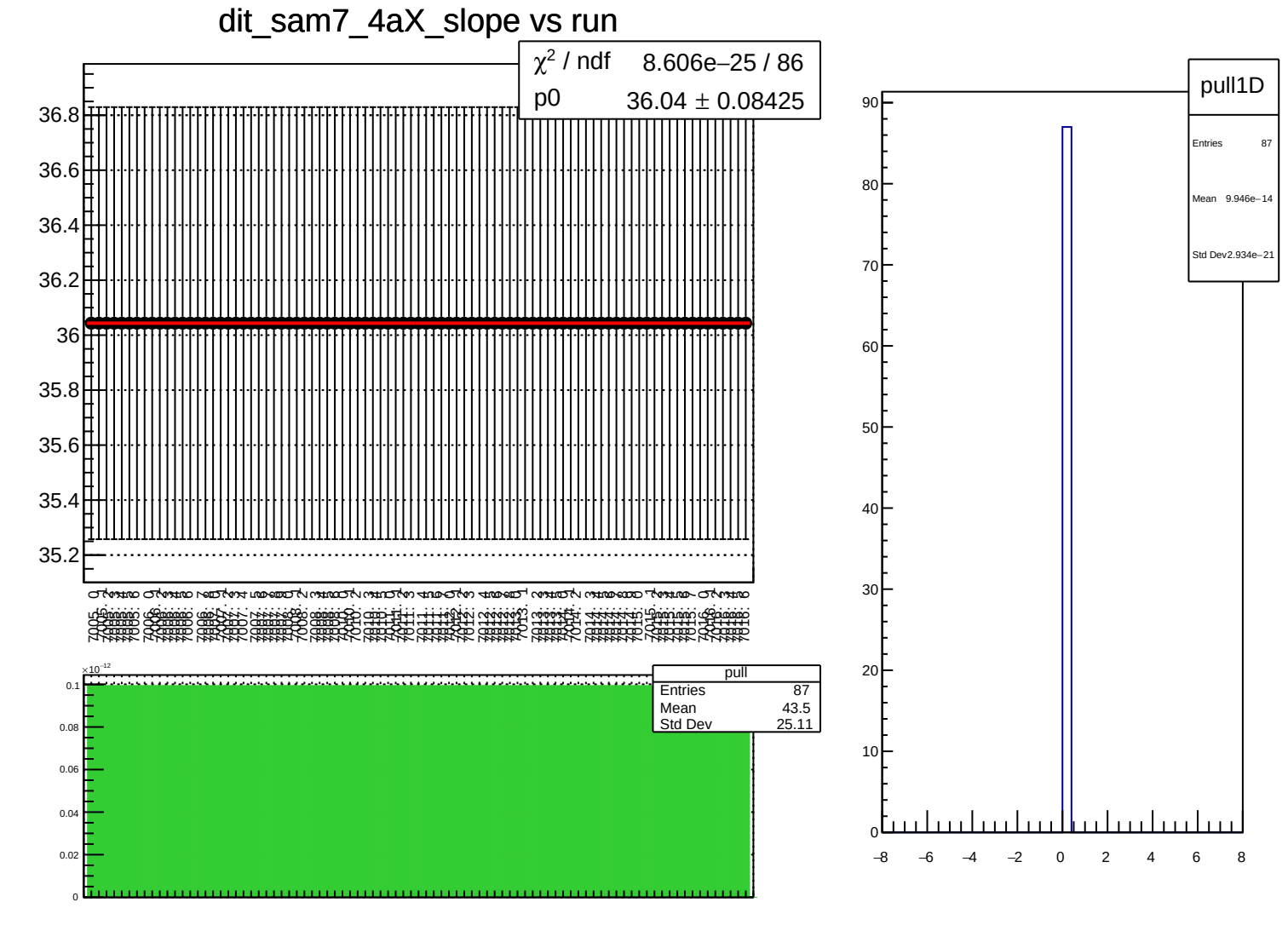

dit_sam6_4eX_slope vs run
χ² / ndf 5.765e−26 / 86
p0 47.92 ± 0.2072
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −2.574e−14
Std Dev1.497e−21

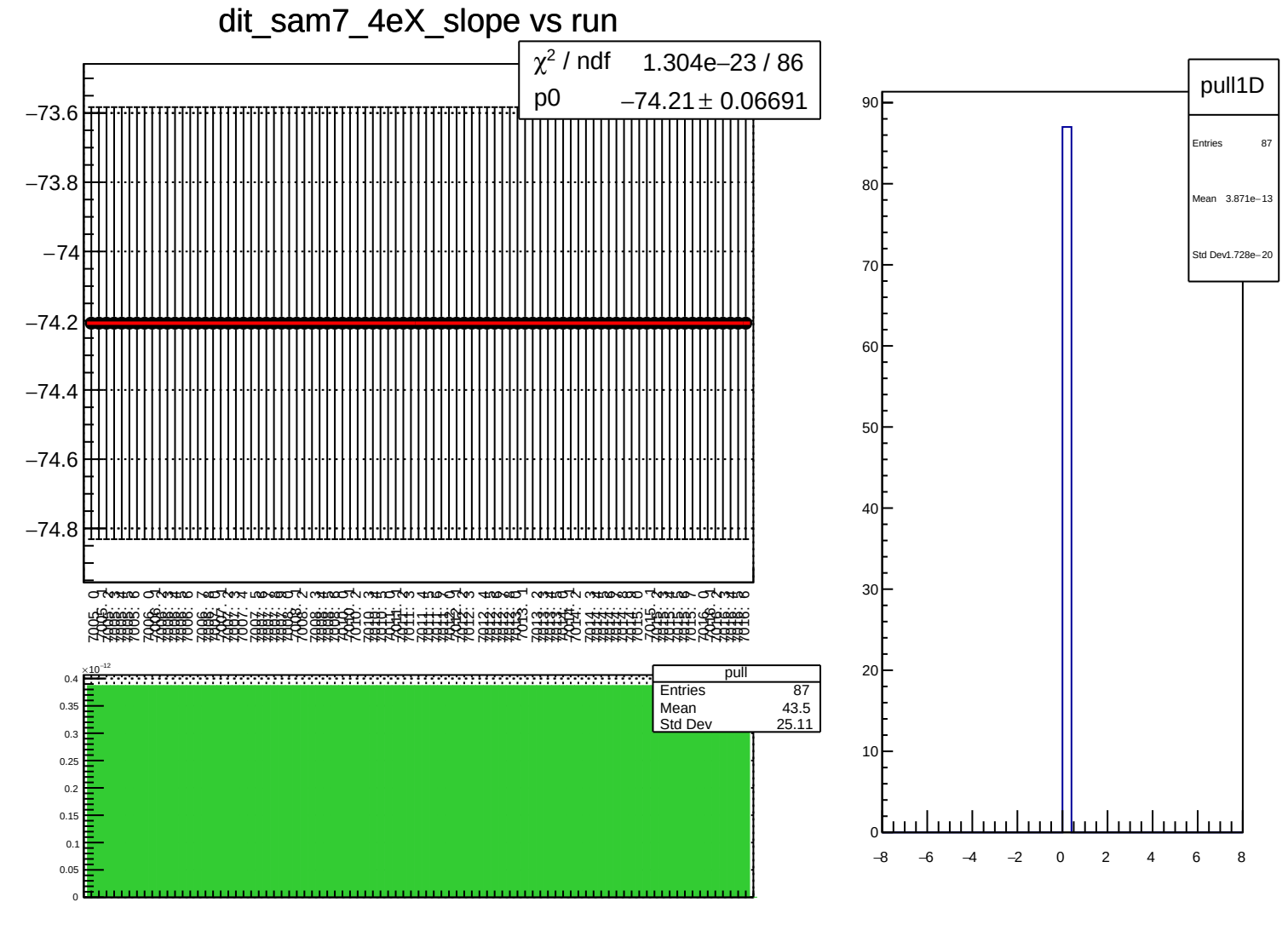

dit_sam6_11X12X_slope vs run
χ² / ndf 3.131e−26 / 86
p0 0.3608 ± 0.002196
0.385
0.38
0.375
0.37
0.365
0.36
0.355
0.35
0.345
0.34
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.897e−14
Std Dev 9.23e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

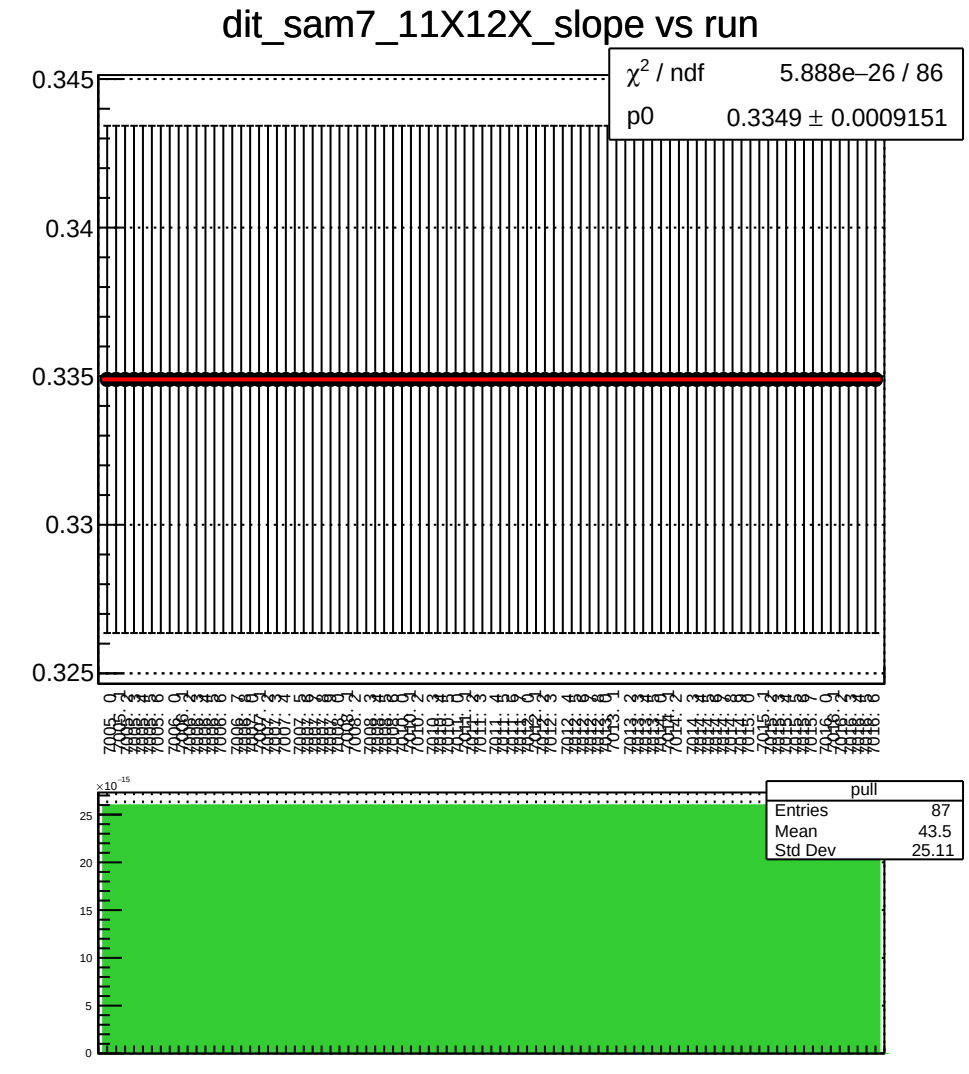

dit_sam6_4aY_slope vs run
χ² / ndf 5.656e−25 / 86
p0 16.74 ± 0.01417
16.85
16.8
16.75
16.7
16.65
16.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 87
Mean −8.063e−14
Std Dev4.319e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

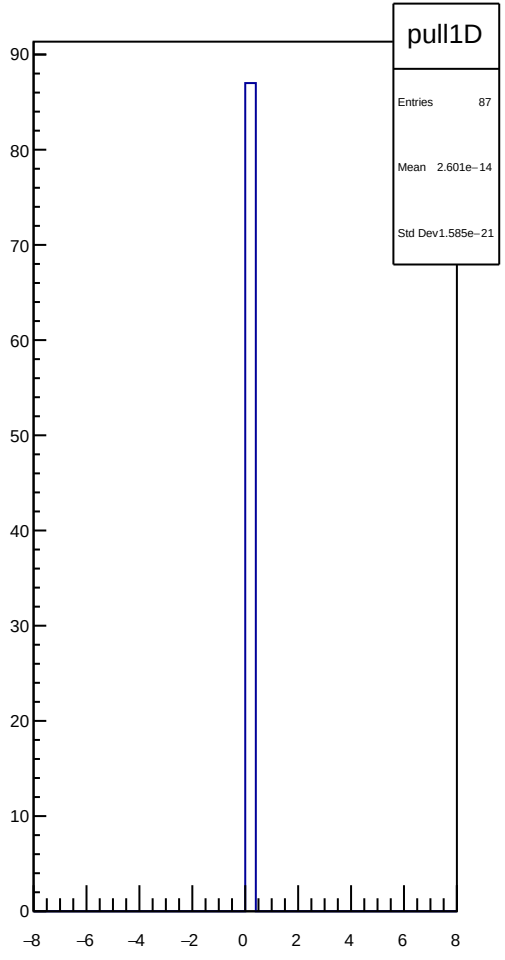

dit_sam6_4eY_slope vs run
χ² / ndf 2.402e−24 / 86
p0 99.82 ± 0.04585
100.2
100
99.8
99.6
99.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

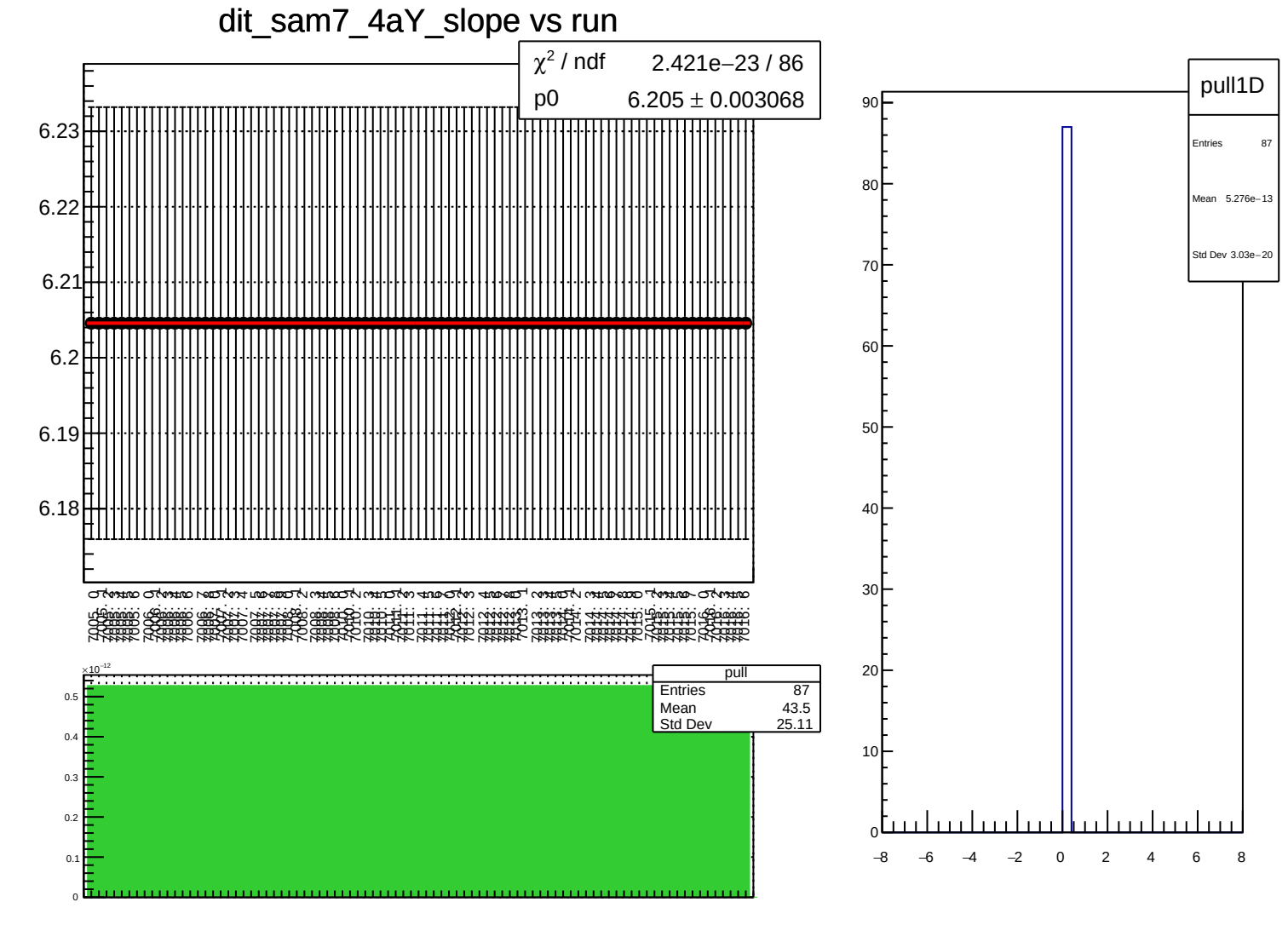

pull1D
Entries 87
Mean 1.662e−13
Std Dev 1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

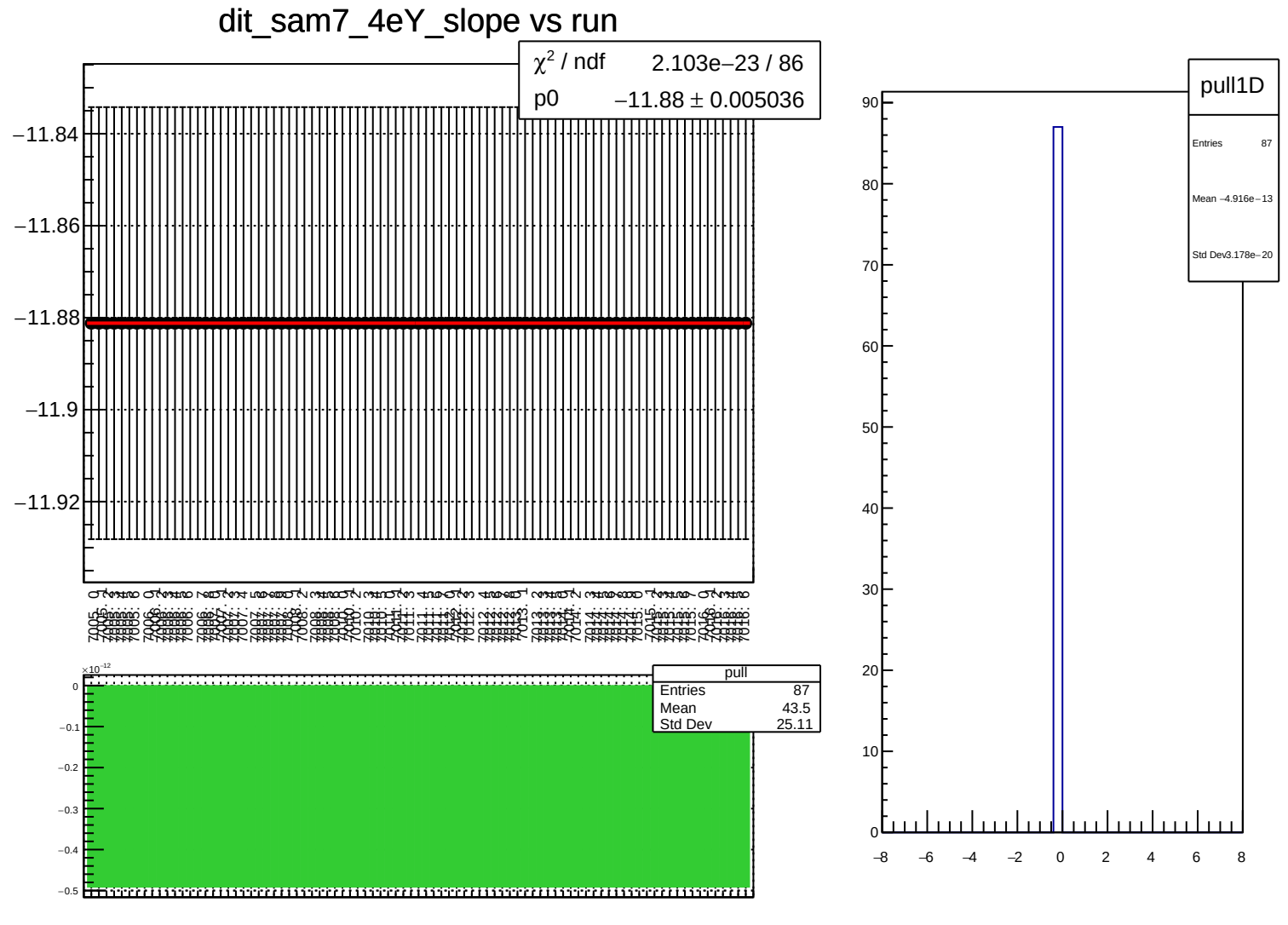

dit_sam7_4aX_slope vs run
χ² / ndf 8.606e−25 / 86
p0 36.04 ± 0.08425
36.8
36.6
36.4
36.2
36
35.8
35.6
35.4
35.2
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 9.946e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

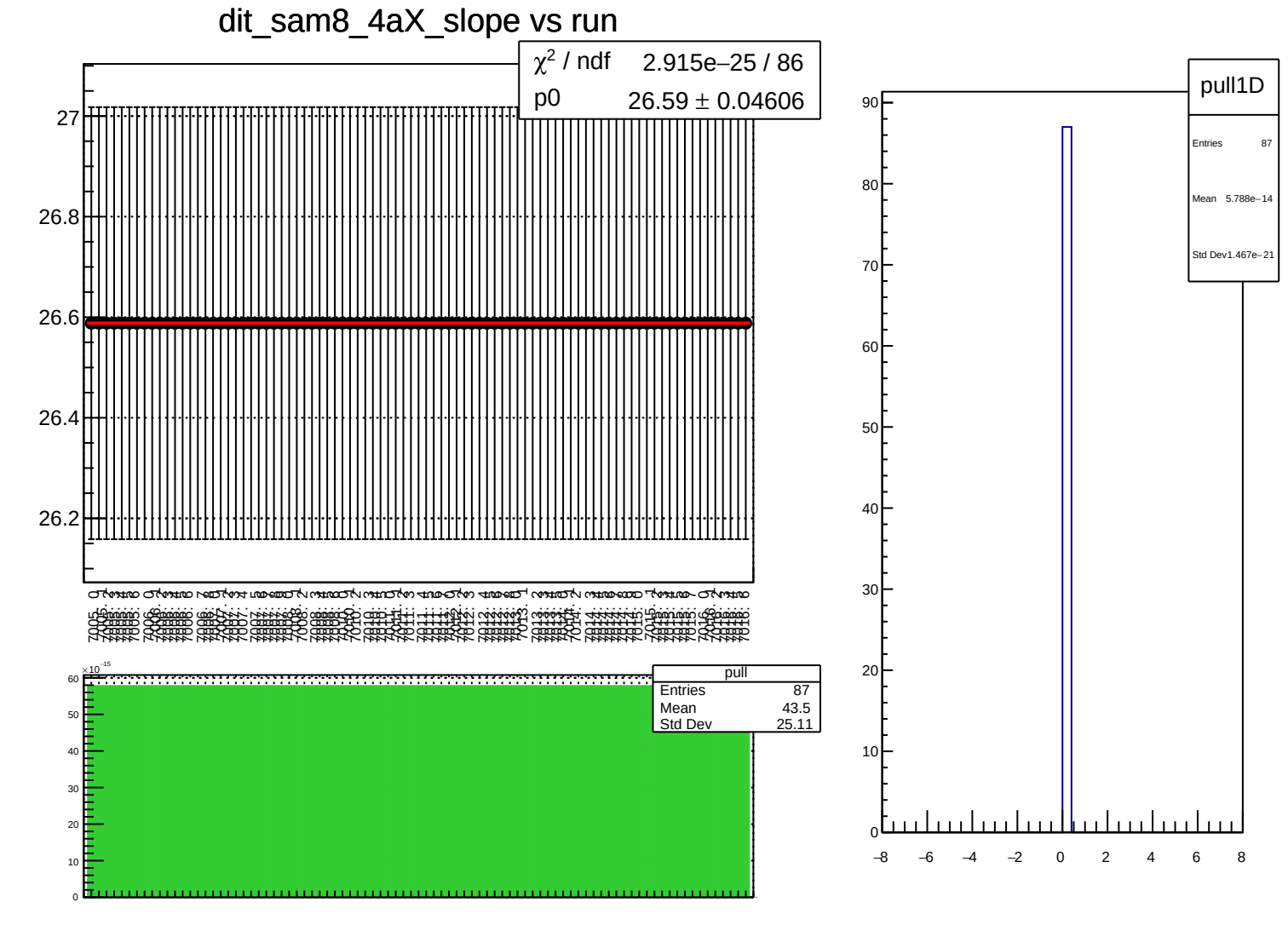

dit_sam7_4eX_slope vs run
χ² / ndf 1.304e−23 / 86
p0 −74.21 ± 0.06691
−73.6
−73.8
−74
−74.2
−74.4
−74.6
−74.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 3.871e−13
Std Dev1.728e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

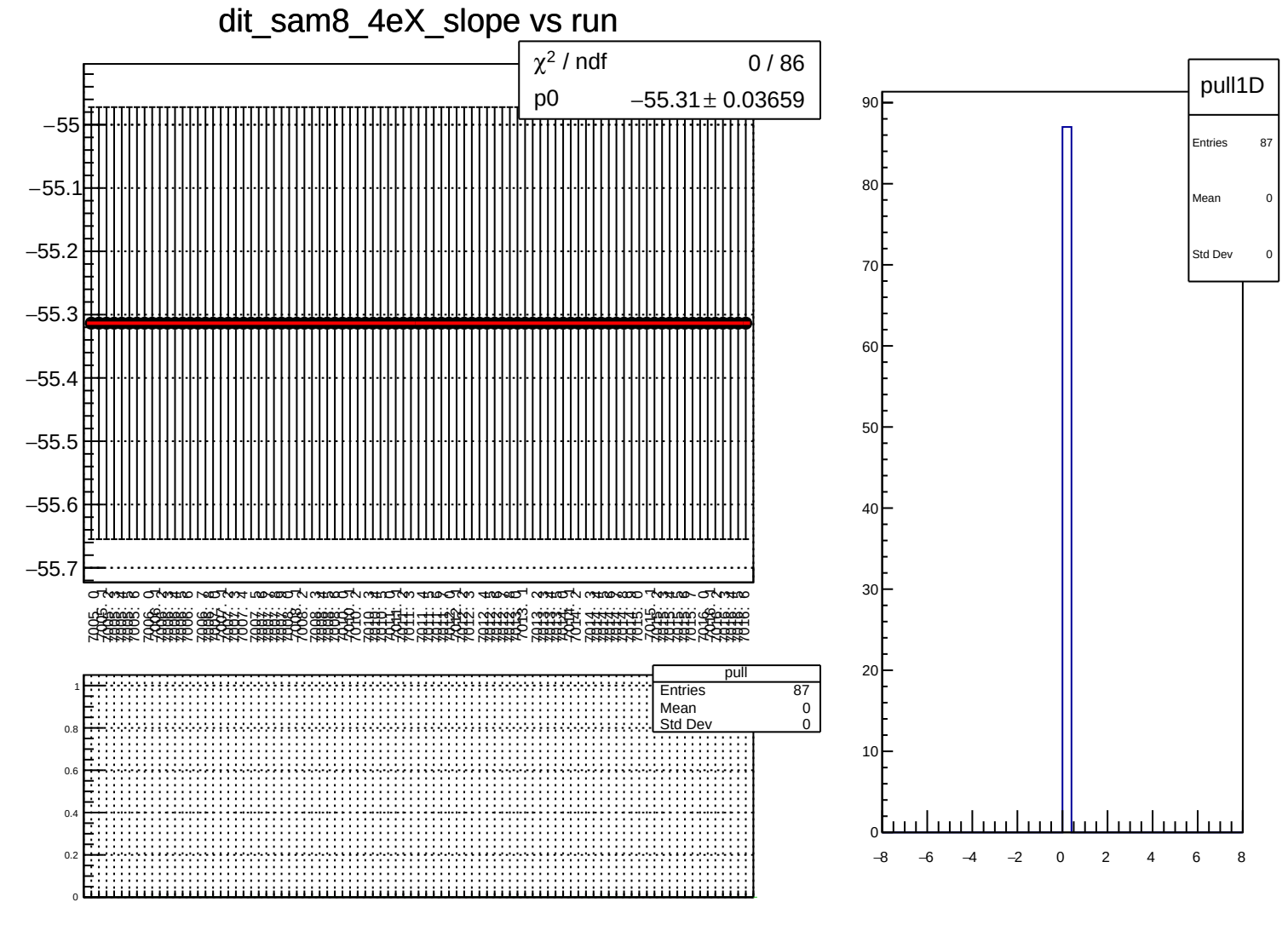

dit_sam7_11X12X_slope vs run
χ² / ndf 5.888e−26 / 86
p0 0.3349 ± 0.0009151
0.345
0.34
0.335
0.33
0.325
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
25
20
15
10
5
0

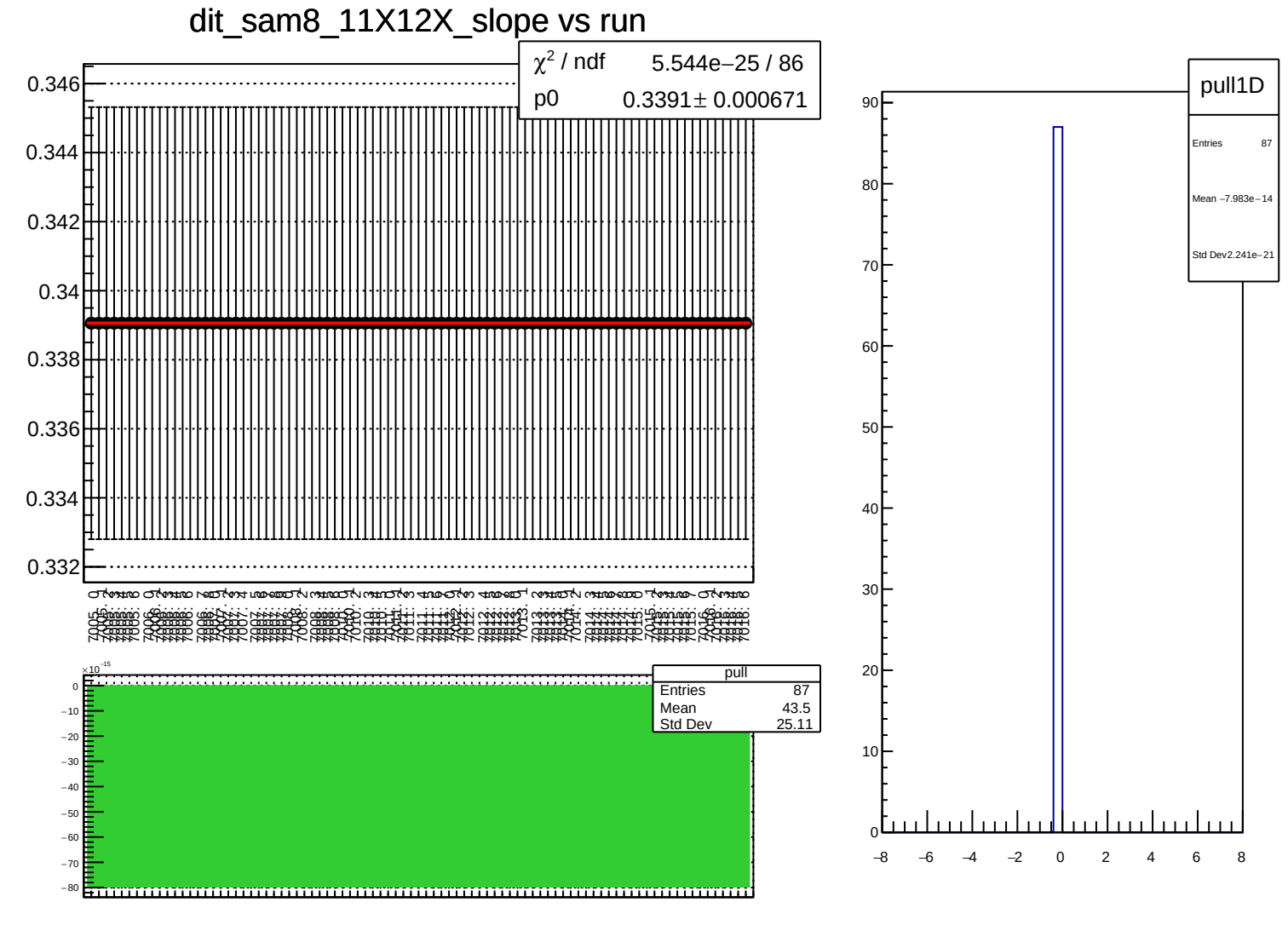

pull1D
Entries 87
Mean 2.601e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

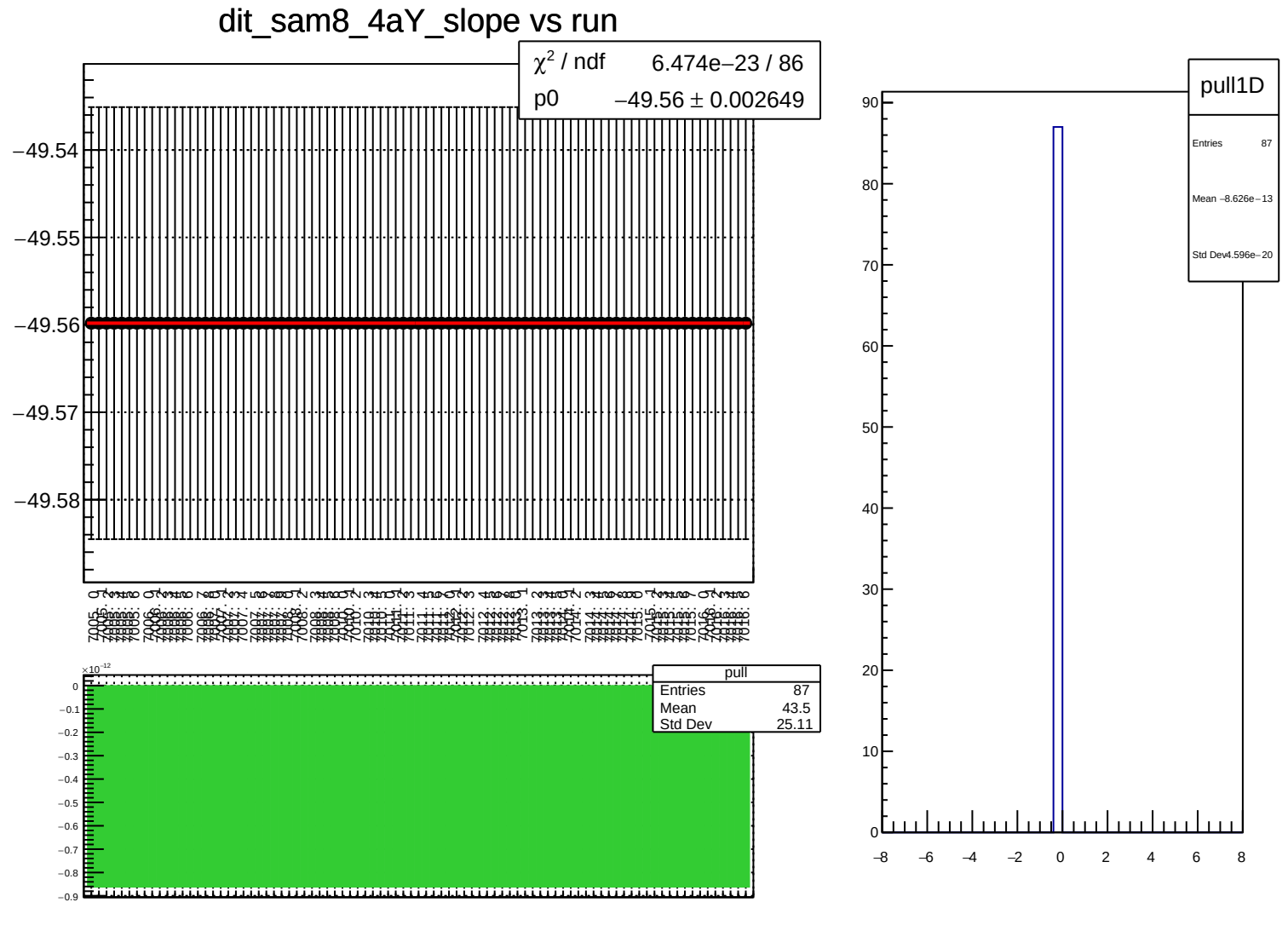

dit_sam7_4aY_slope vs run
χ² / ndf 2.421e−23 / 86
p0 6.205 ± 0.003068
6.23
6.22
6.21
6.2
6.19
6.18
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 5.276e−13
Std Dev 3.03e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

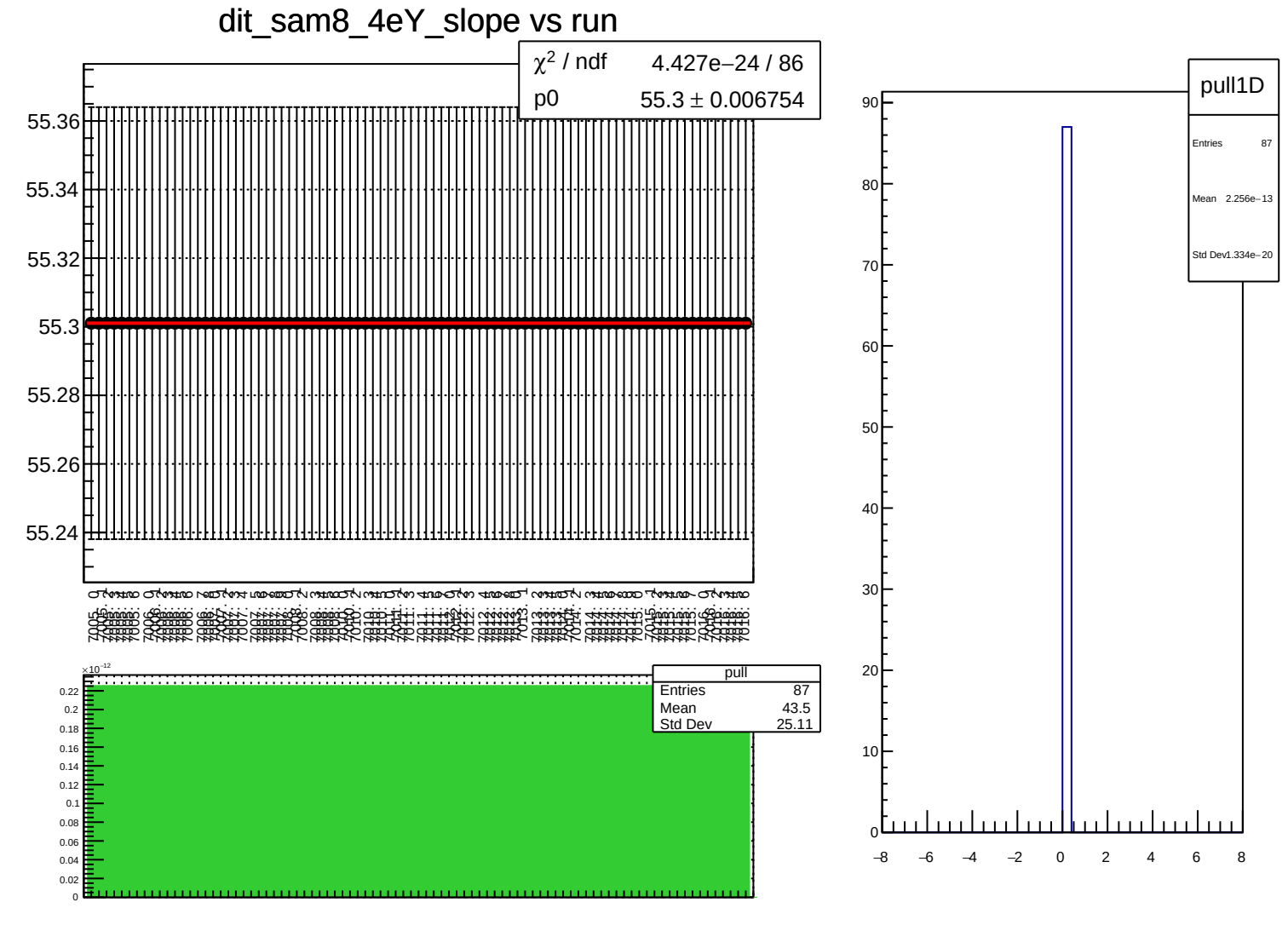

dit_sam7_4eY_slope vs run
χ² / ndf 2.103e−23 / 86
p0 −11.88 ± 0.005036
−11.84
−11.86
−11.88
−11.9
−11.92
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 87
Mean −4.916e−13
Std Dev 3.178e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

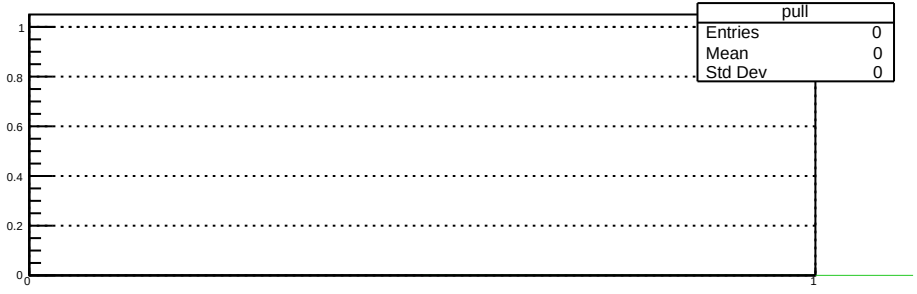

dit_sam8_4aX_slope vs run
χ² / ndf 2.915e−25 / 86
p0 26.59 ± 0.04606
27
26.8
26.6
26.4
26.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.788e−14
Std Dev1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

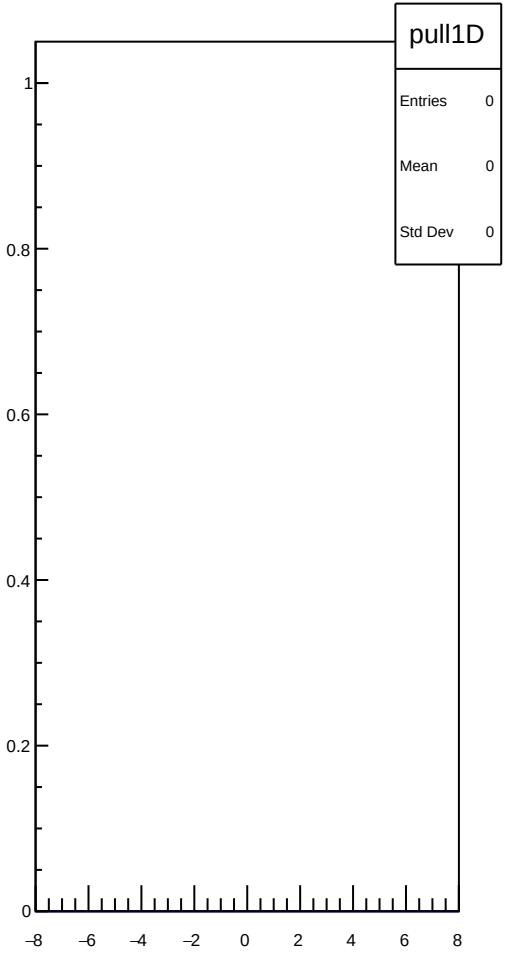

dit_sam8_4eX_slope vs run
χ² / ndf 0 / 86
p0 −55.31 ± 0.03659
−55
−55.1
−55.2
−55.3
−55.4
−55.5
−55.6
−55.7
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

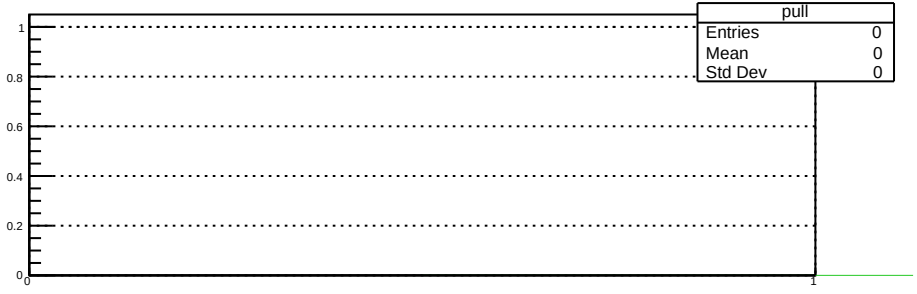

dit_sam8_11X12X_slope vs run
χ² / ndf 5.544e−25 / 86
p0 0.3391± 0.000671
0.346
0.344
0.342
0.34
0.338
0.336
0.334
0.332
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 87
Mean −7.983e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

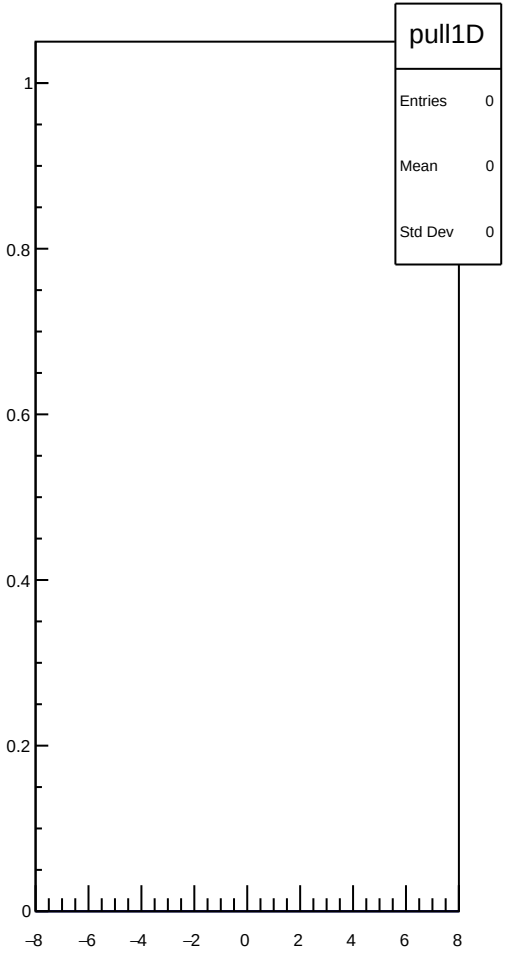

dit_sam8_4aY_slope vs run
χ² / ndf 6.474e−23 / 86
p0 −49.56 ± 0.002649
−49.54
−49.55
−49.56
−49.57
−49.58
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
pull1D
Entries 87
Mean −8.626e−13
Std Dev 4.596e−20

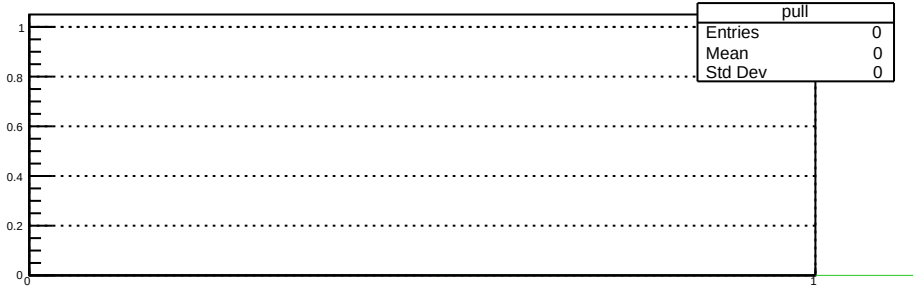

dit_sam8_4eY_slope vs run
χ² / ndf 4.427e−24 / 86
p0 55.3 ± 0.006754
55.36
55.34
55.32
55.3
55.28
55.26
55.24
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 2.256e−13
Std Dev1.334e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

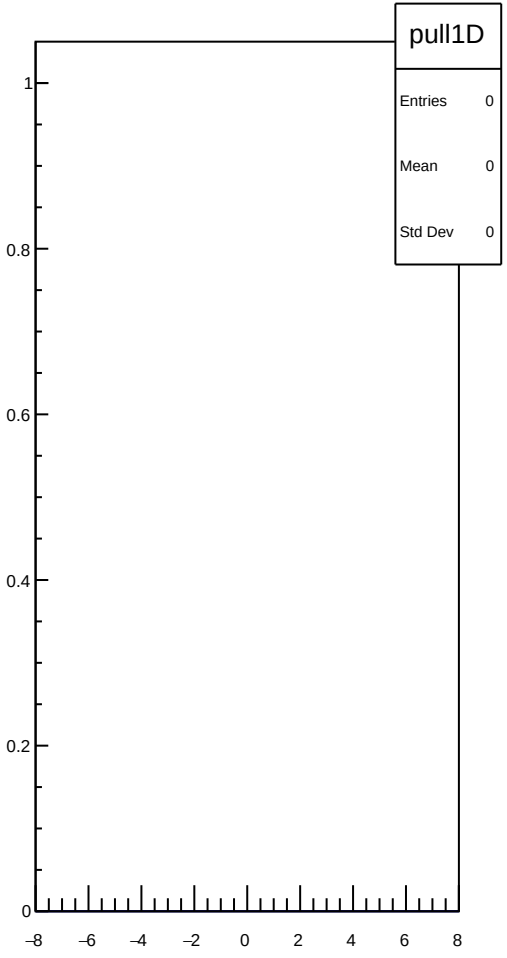

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

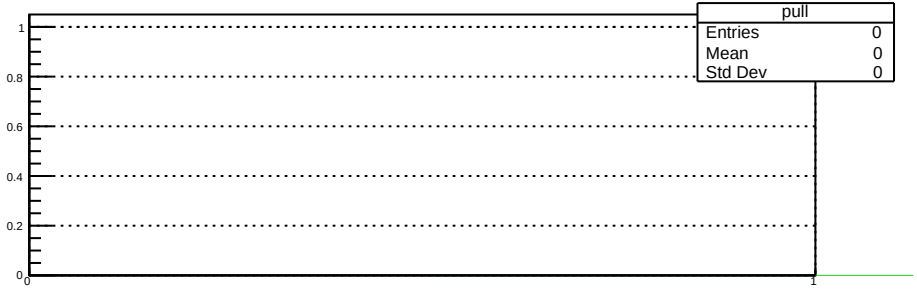

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

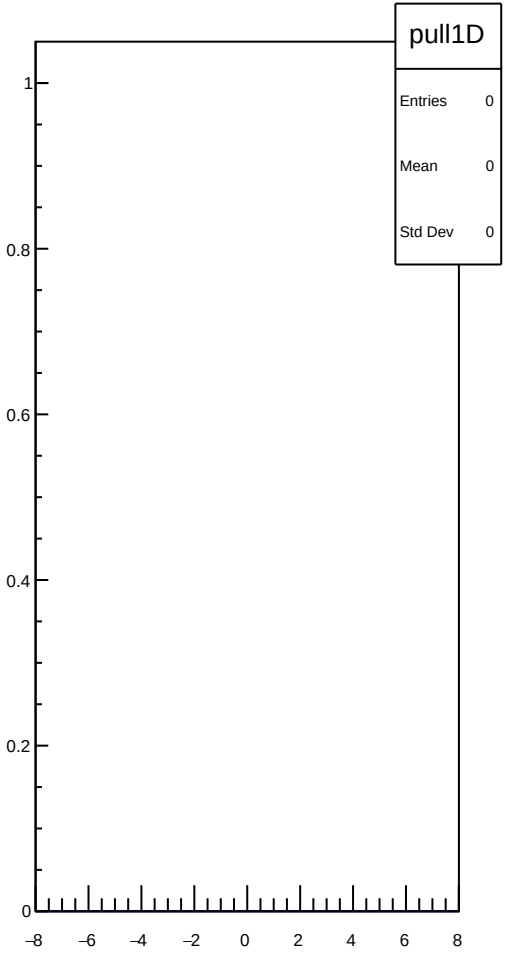

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

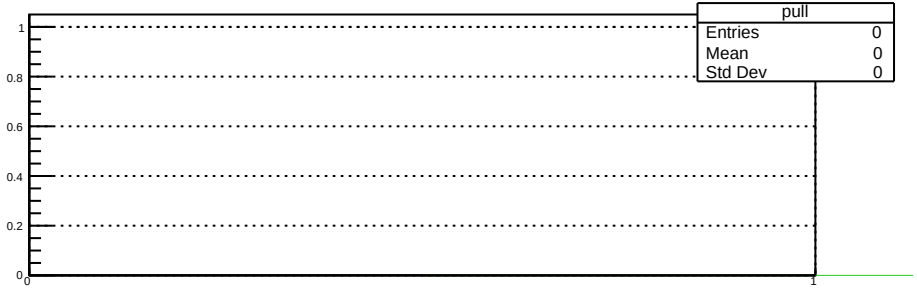

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

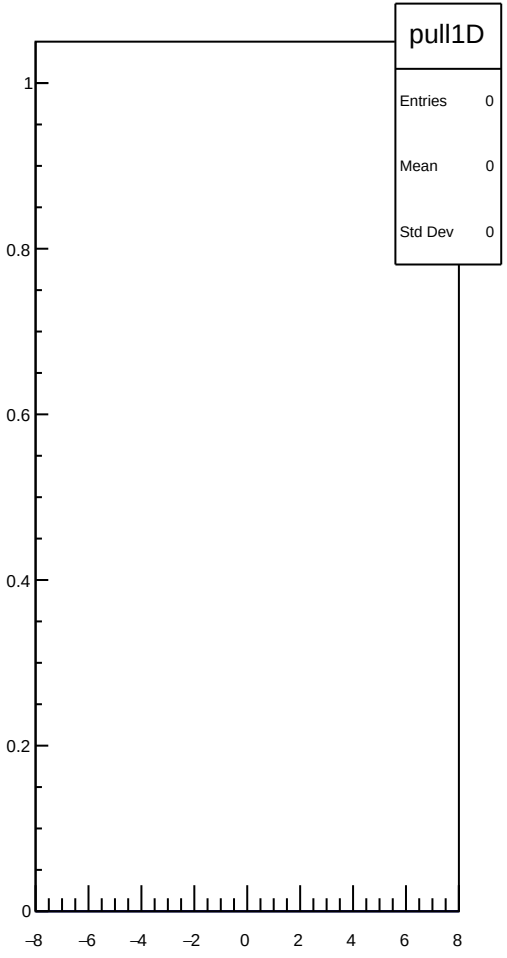

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

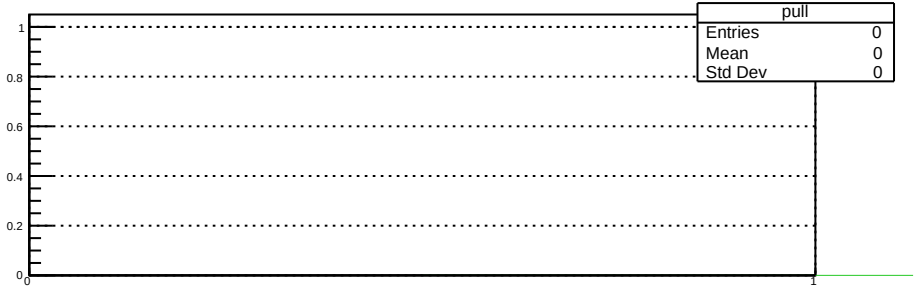

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

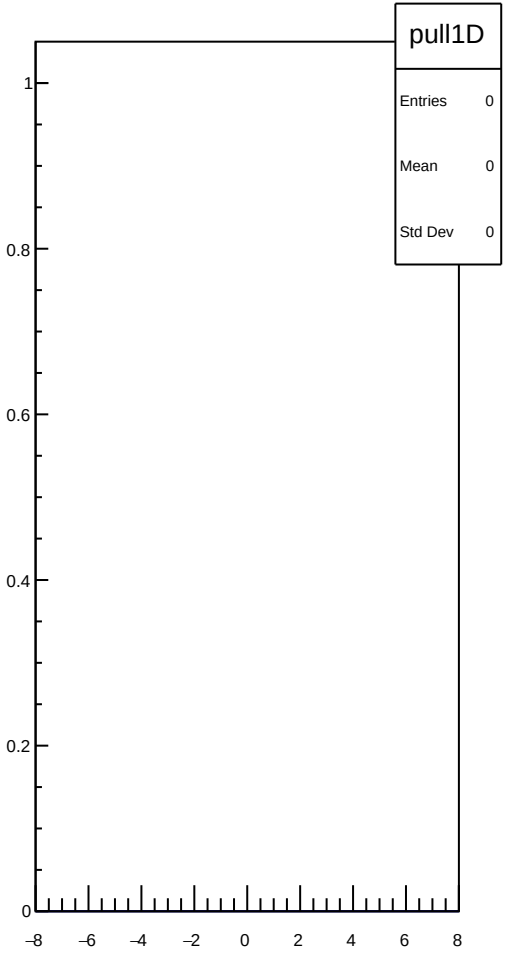

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

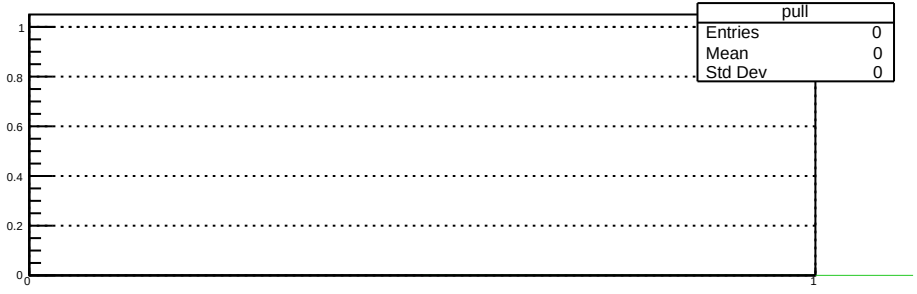

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

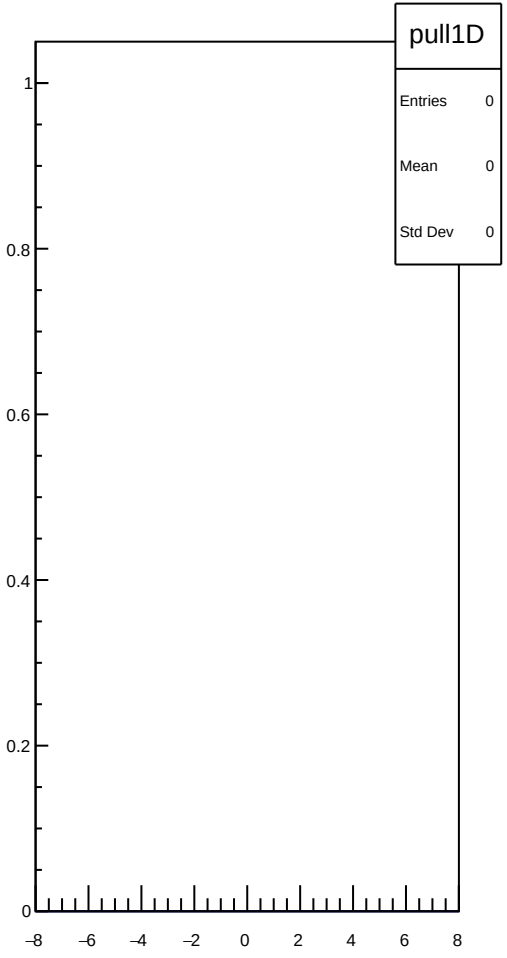

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

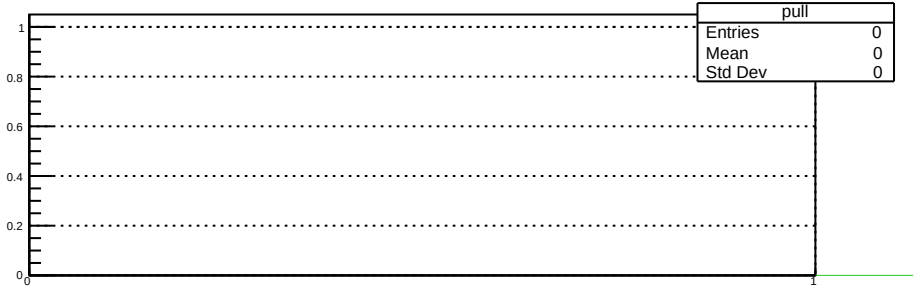

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

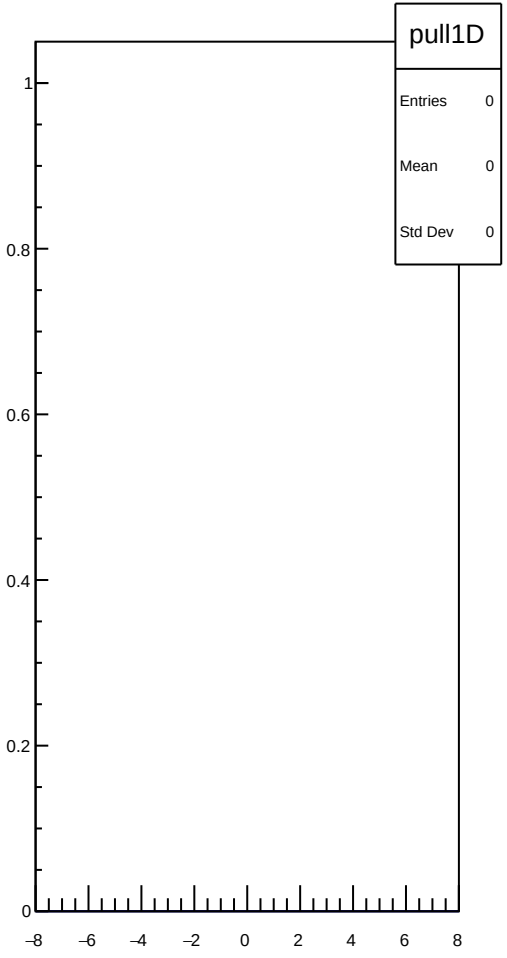

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

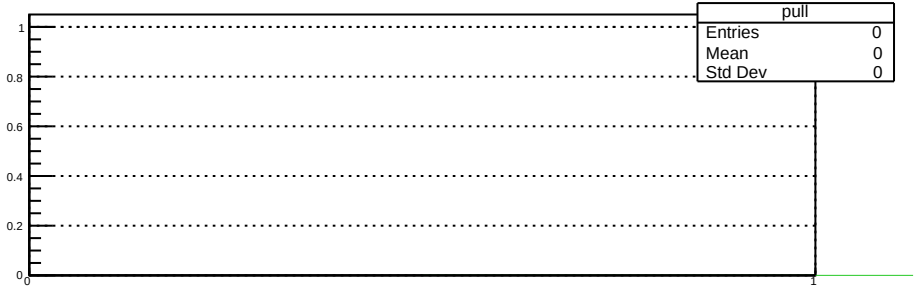

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

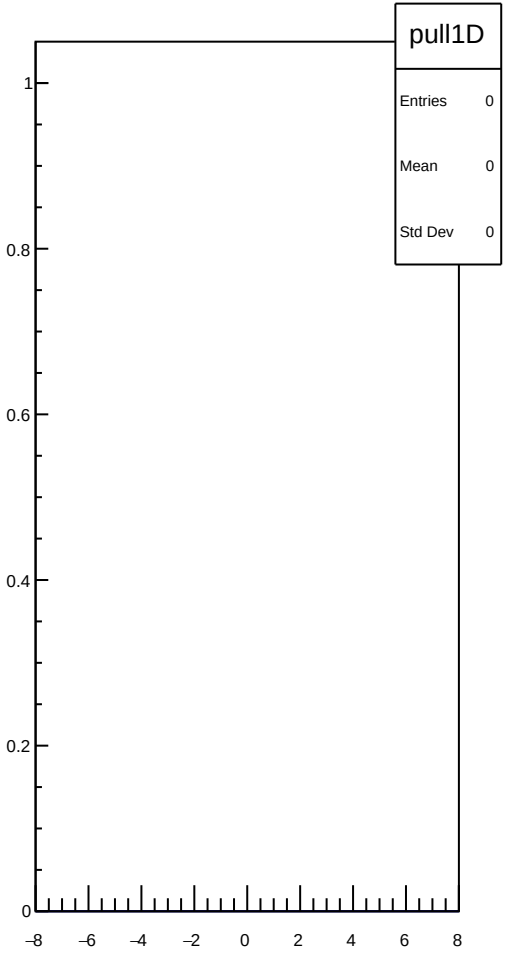

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

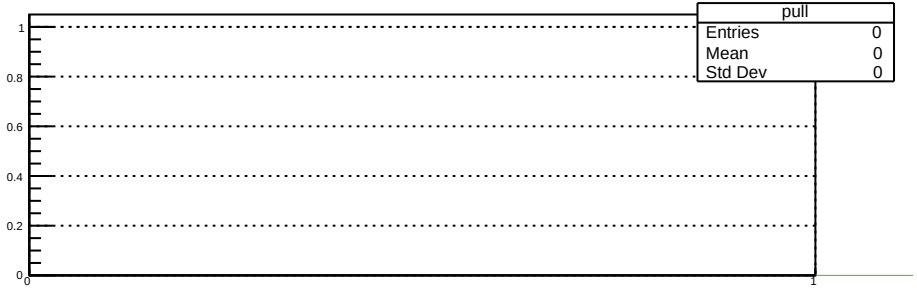

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

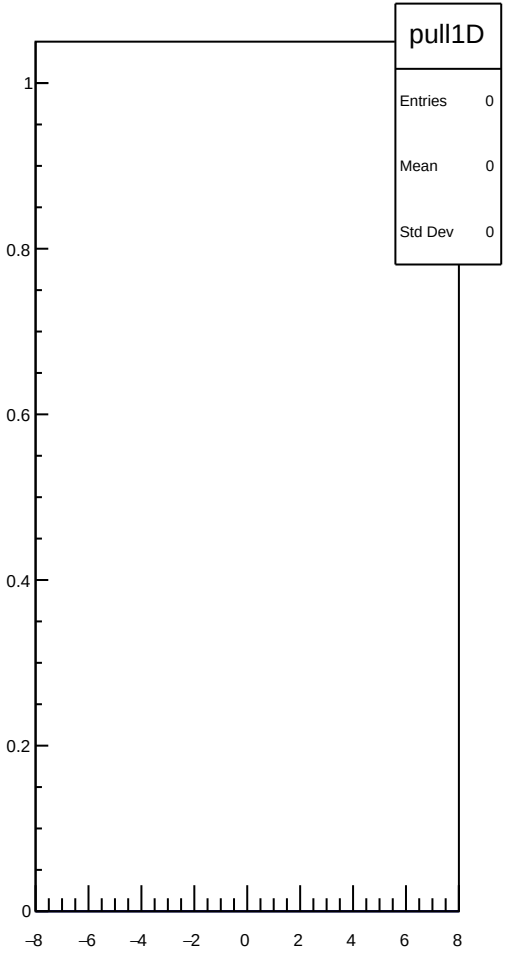

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

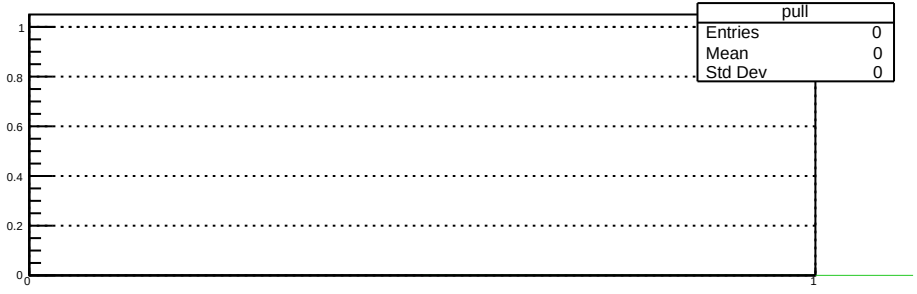

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

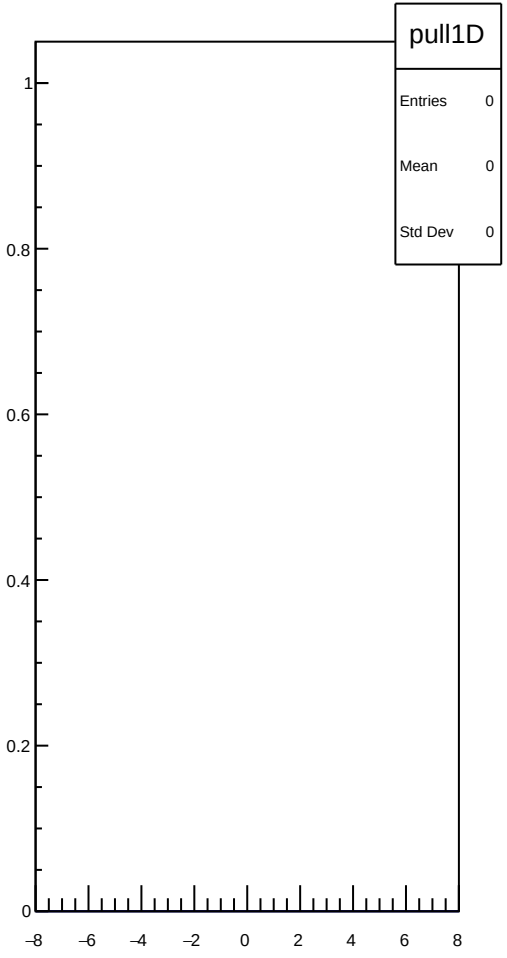

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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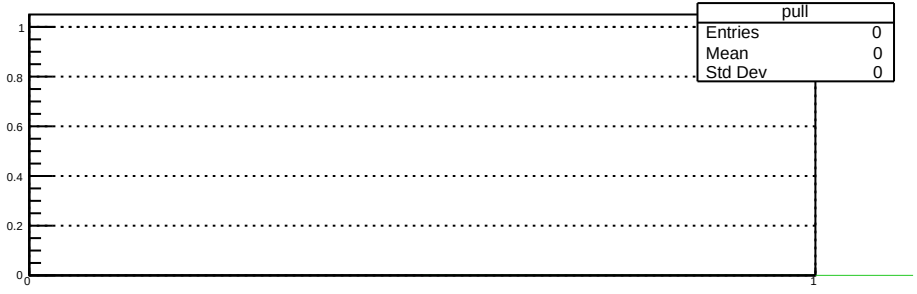

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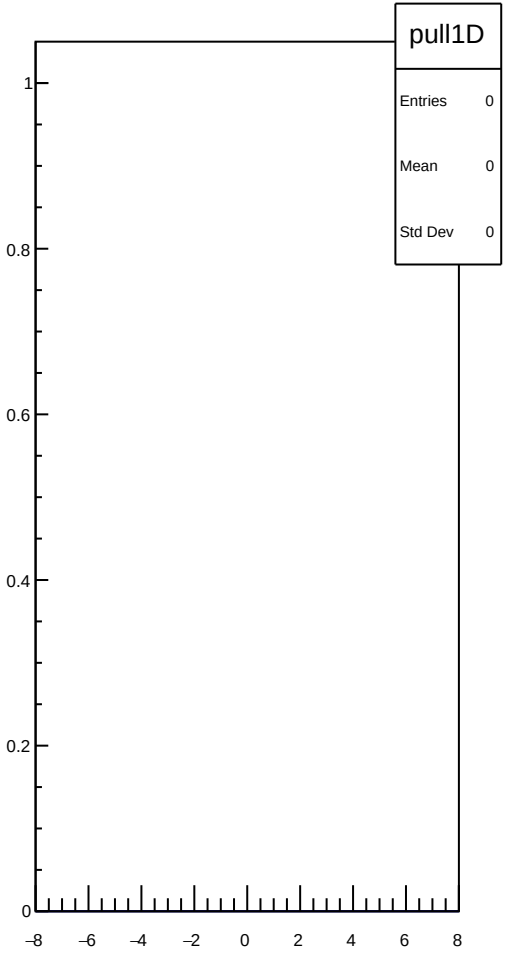

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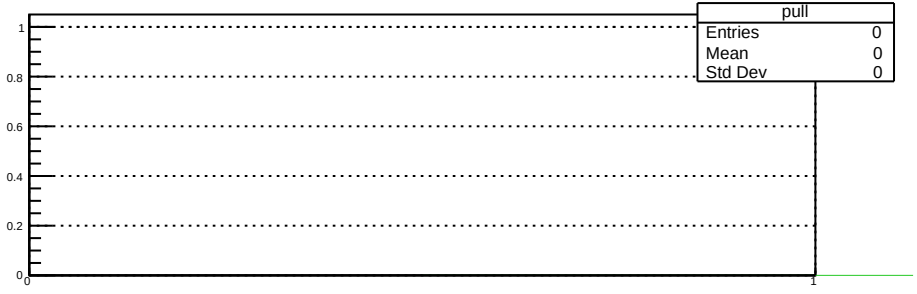

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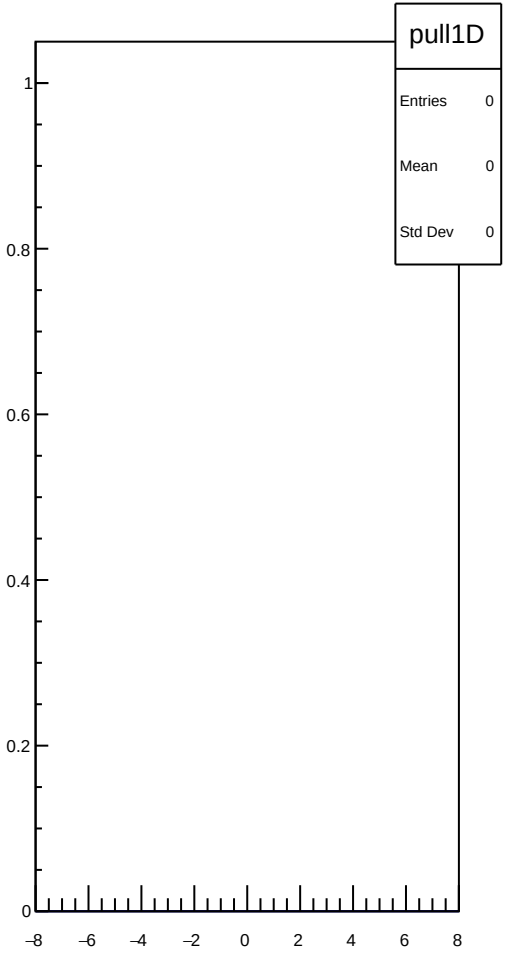

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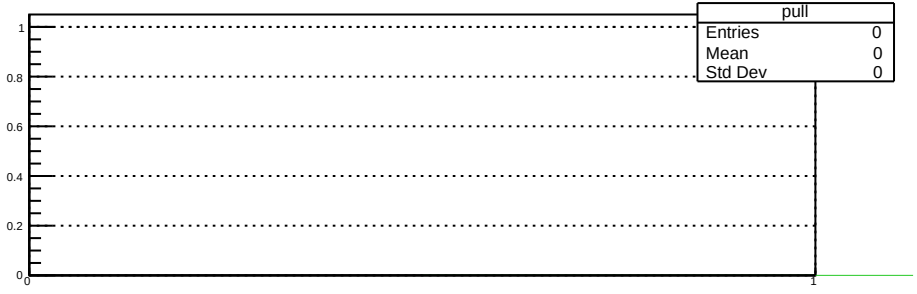

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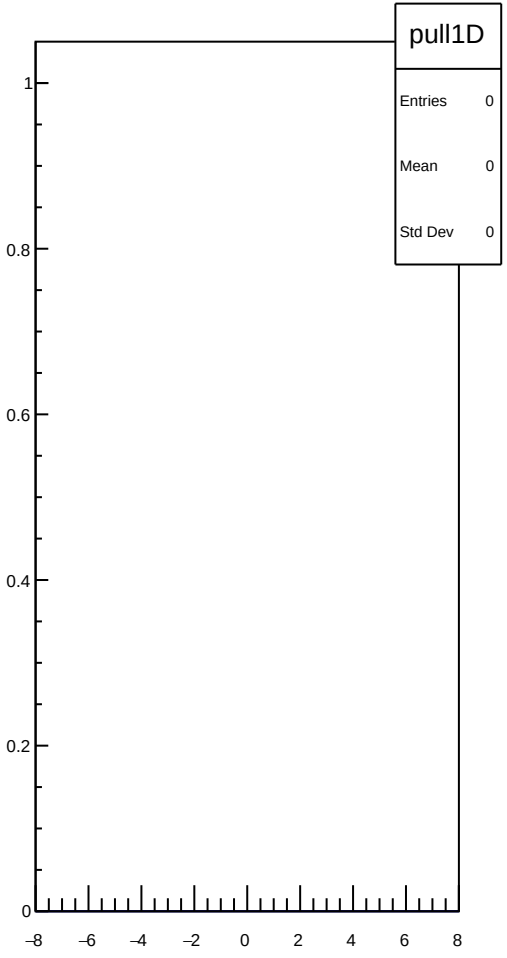

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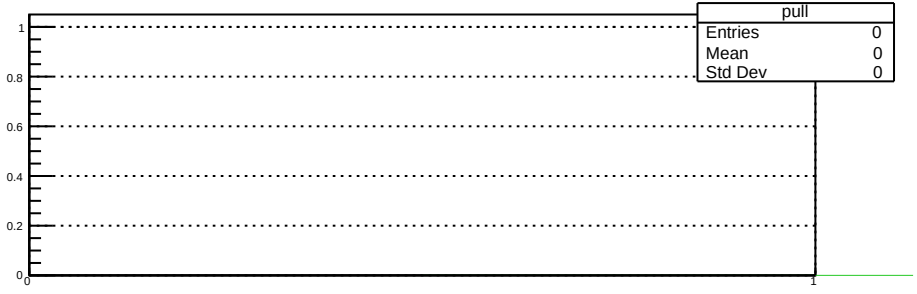

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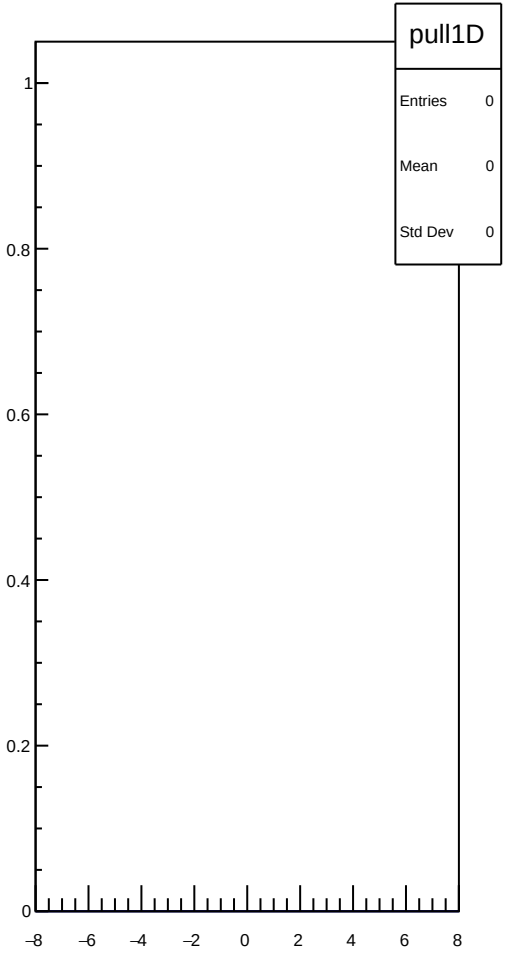

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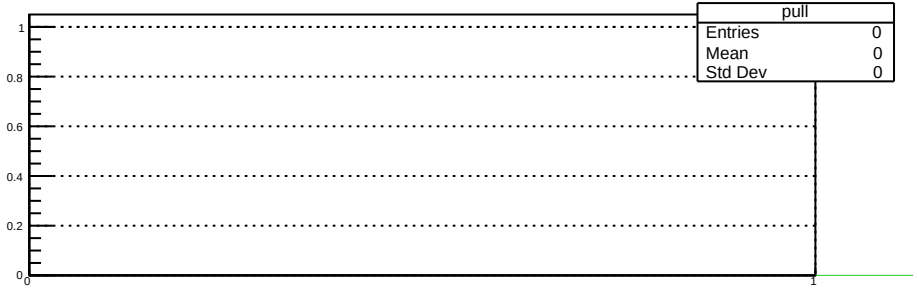

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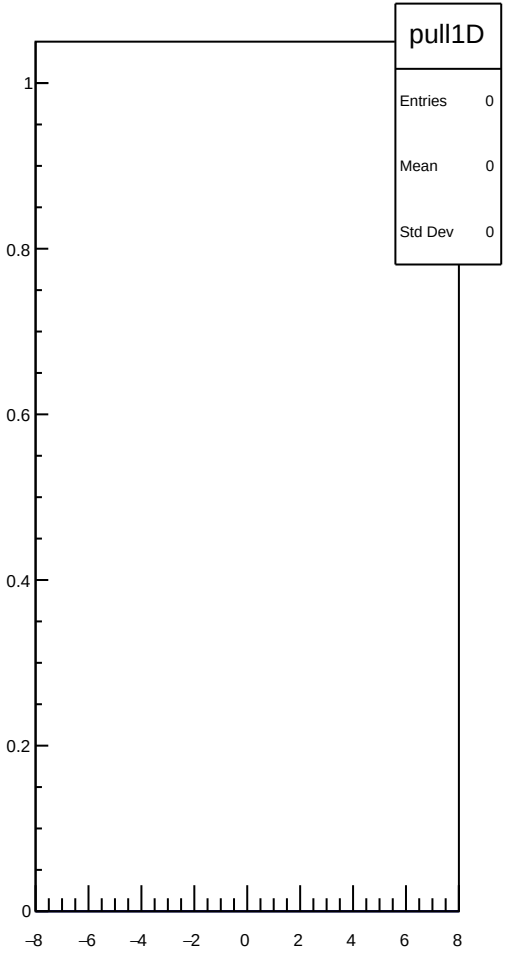

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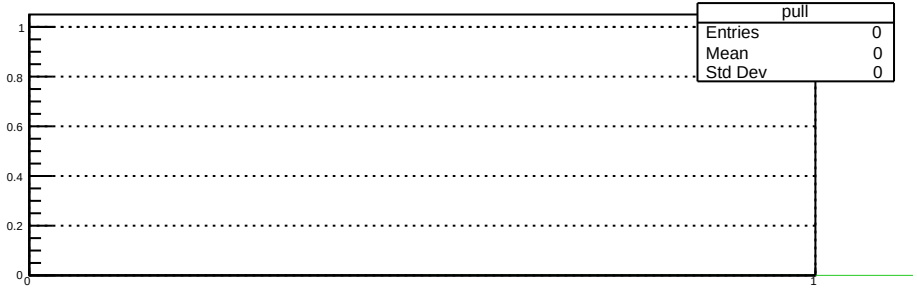

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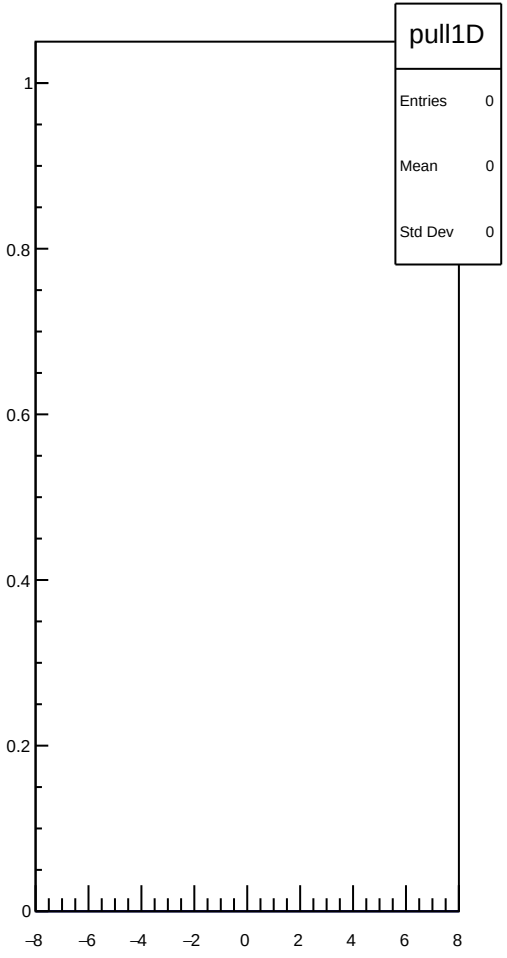

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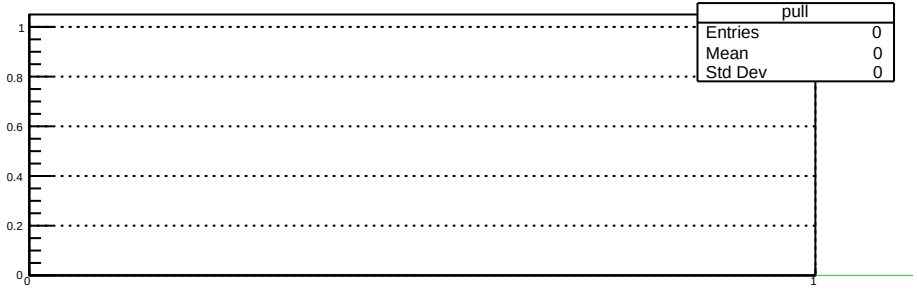

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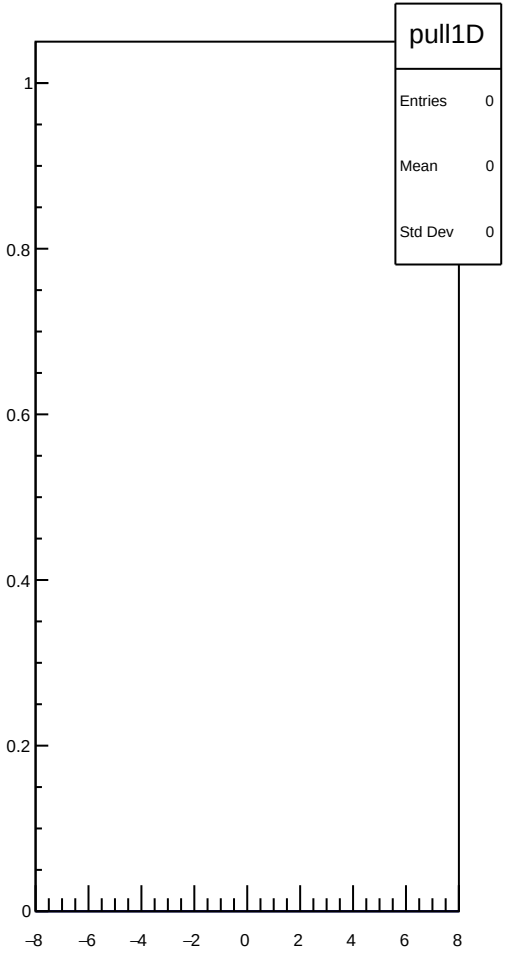

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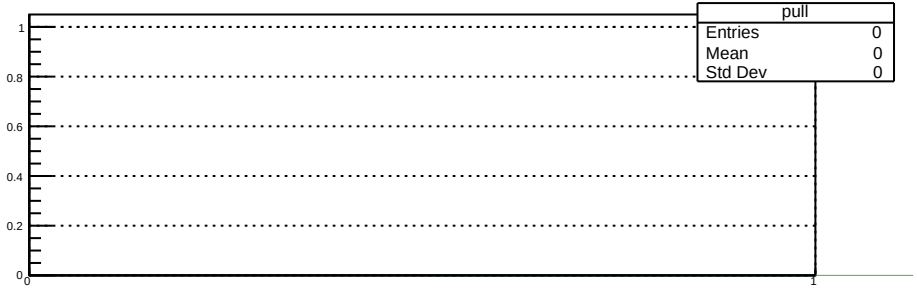

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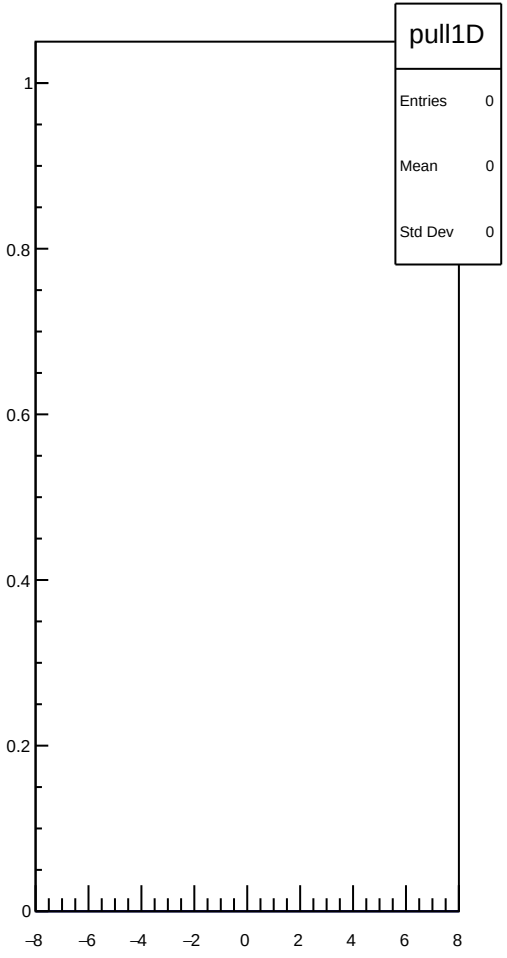

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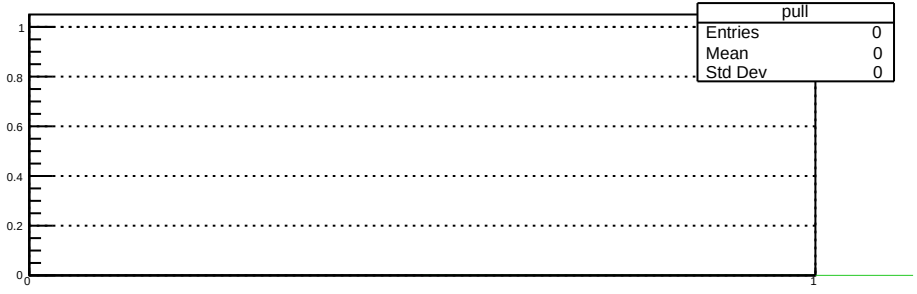

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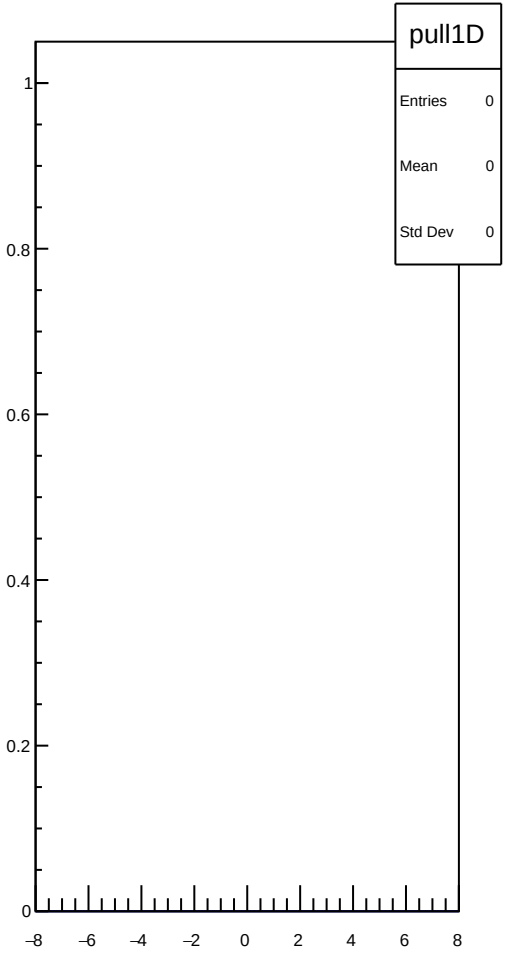

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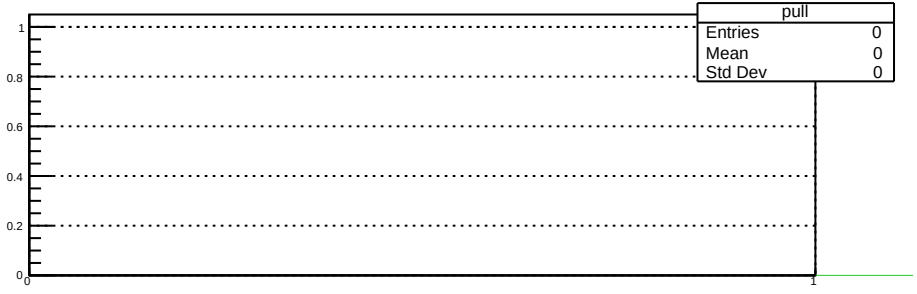

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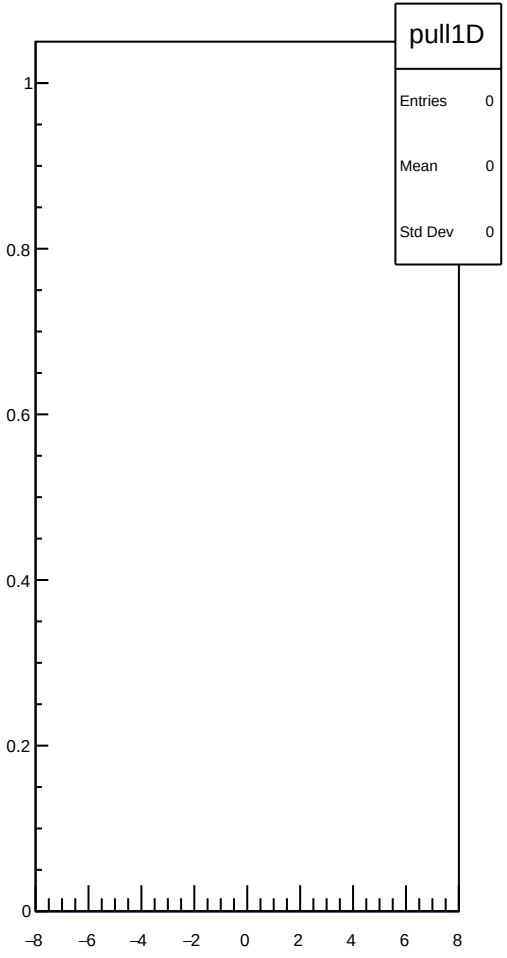

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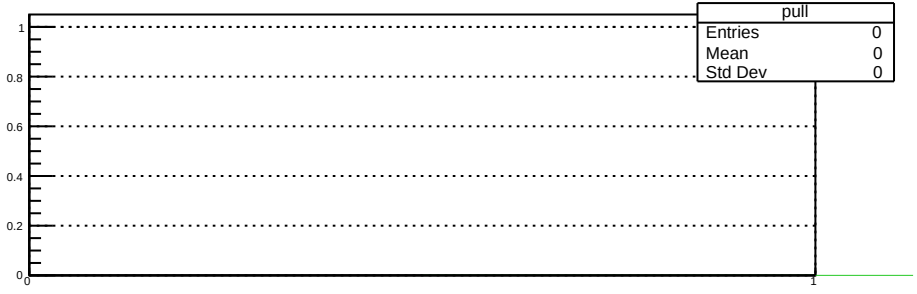

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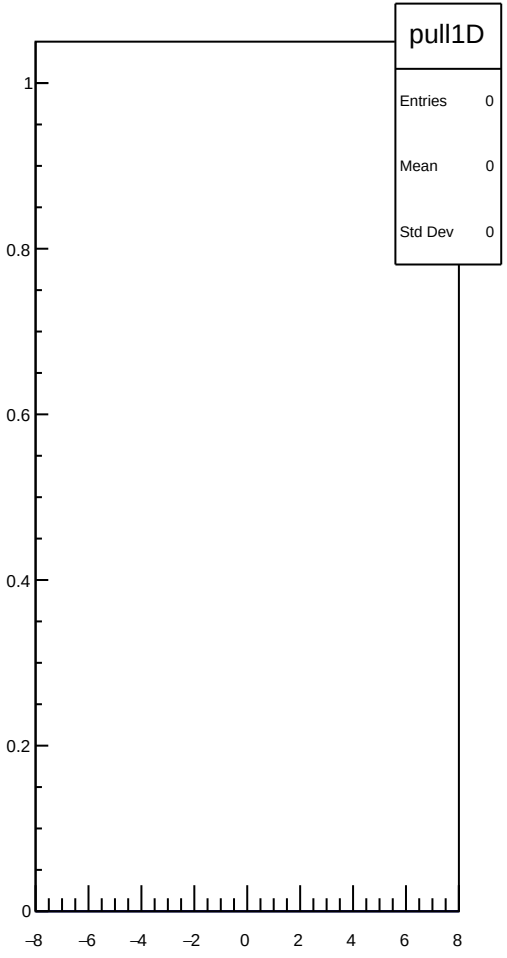

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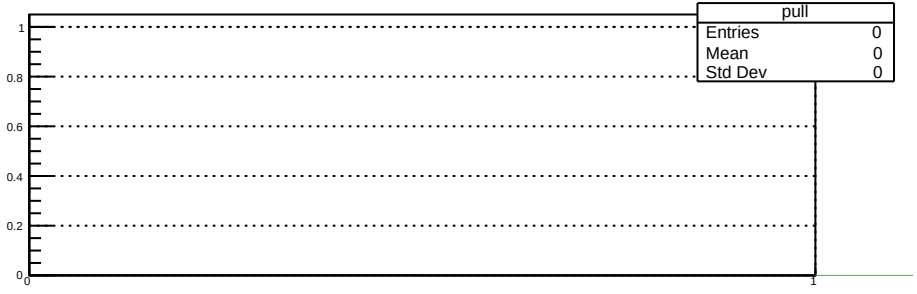

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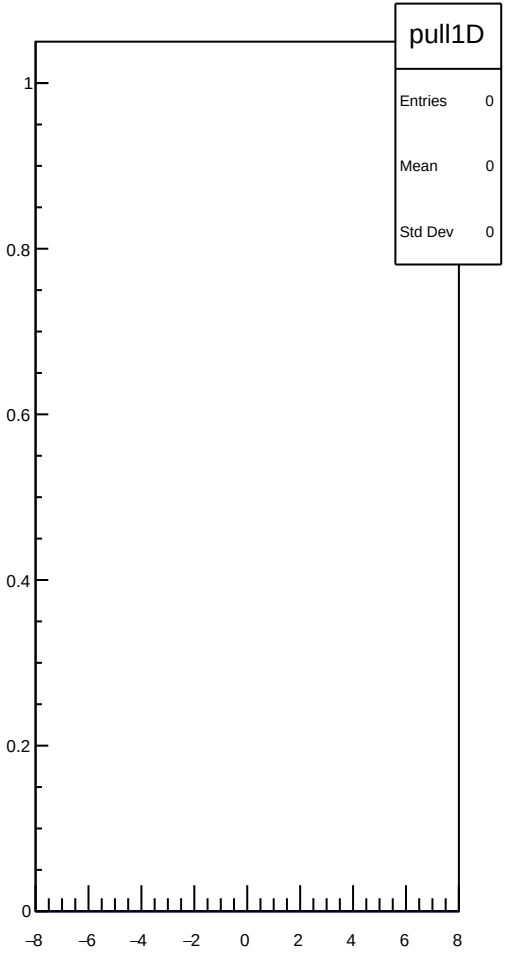

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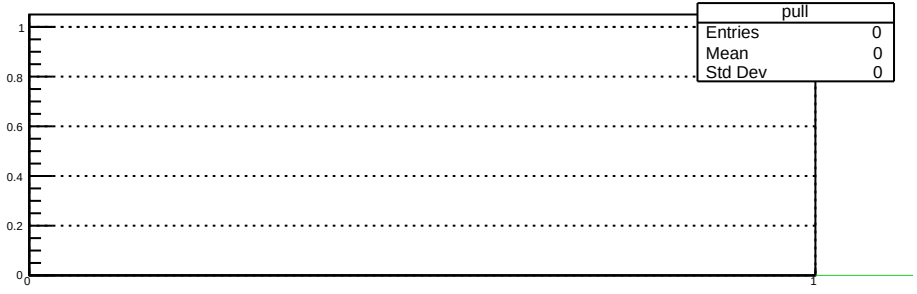

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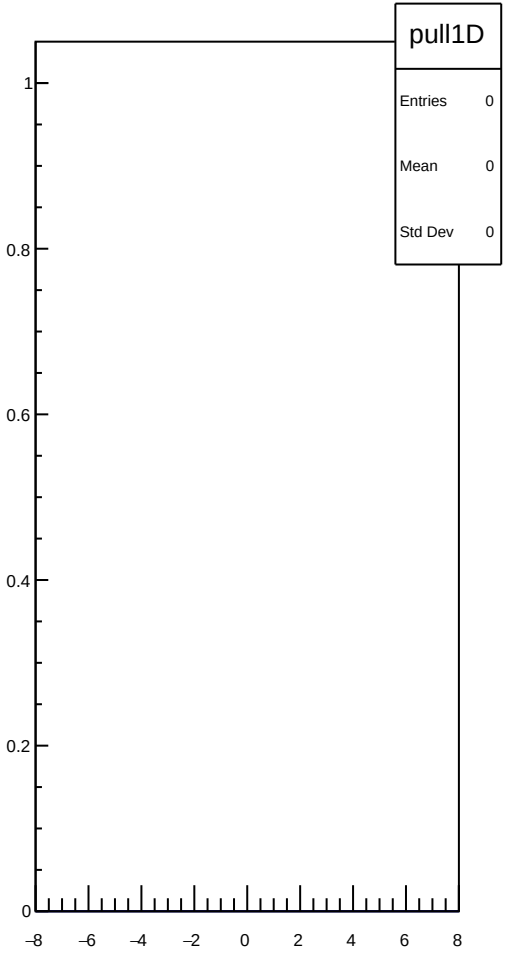

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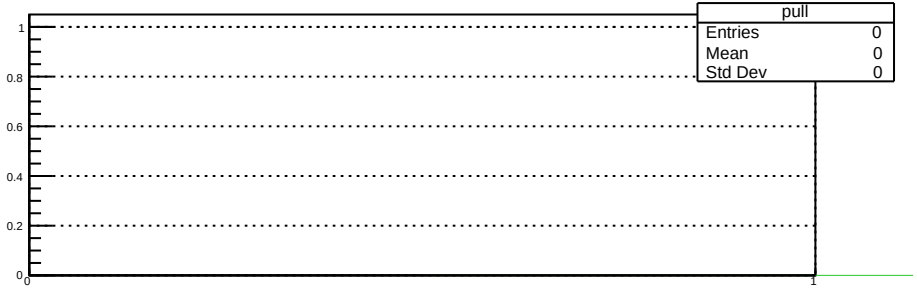

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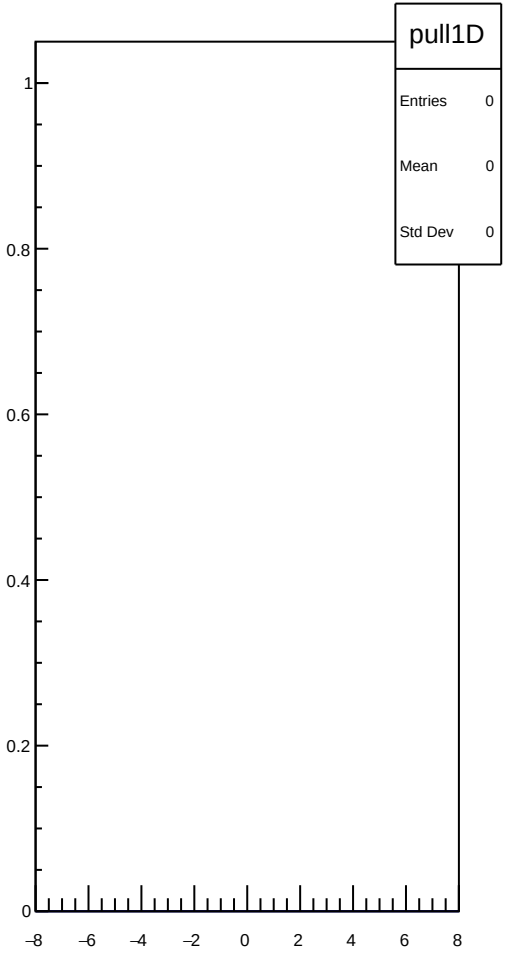

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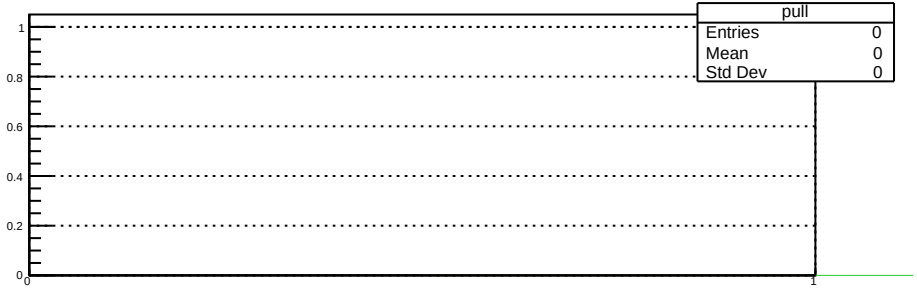

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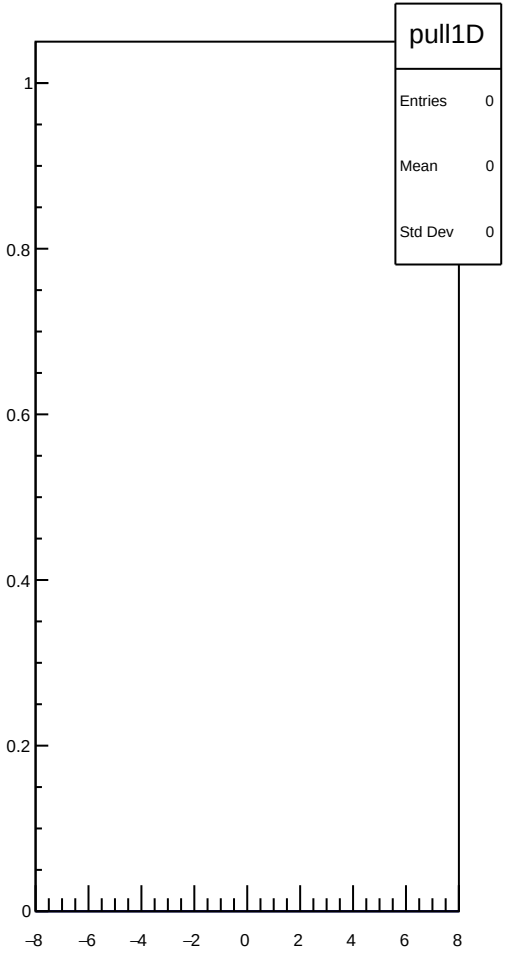

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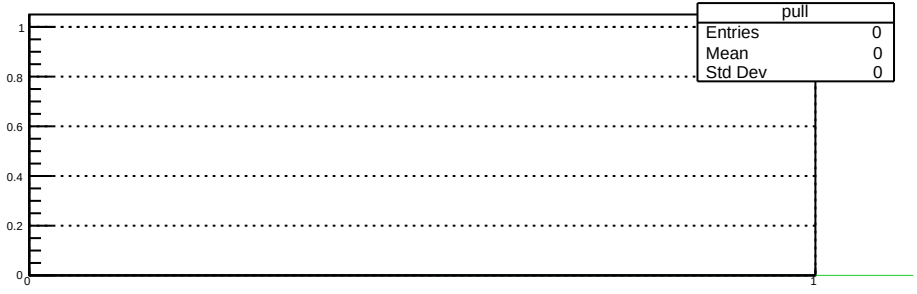

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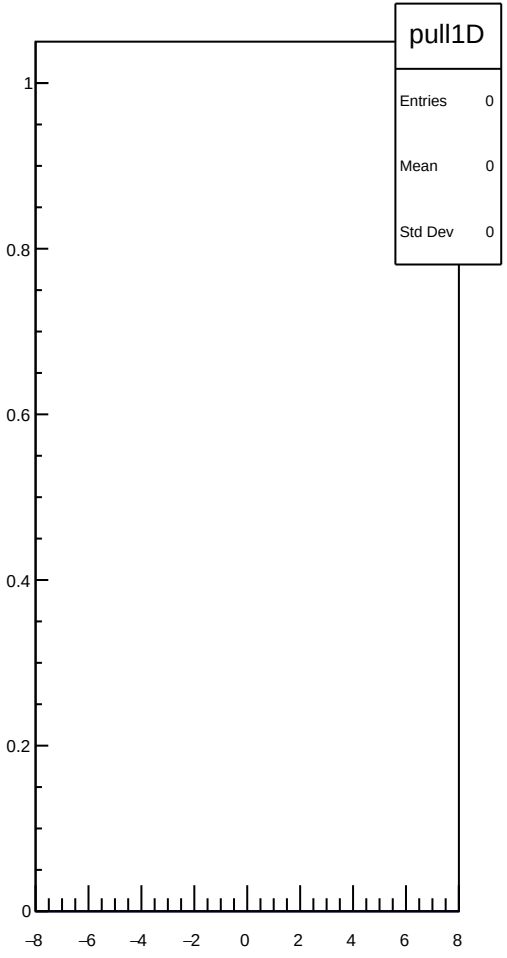

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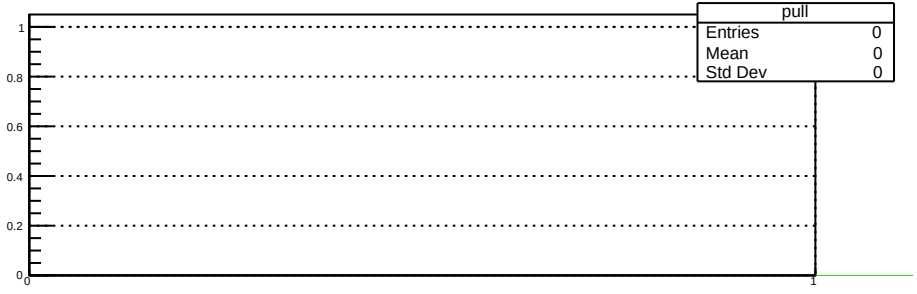

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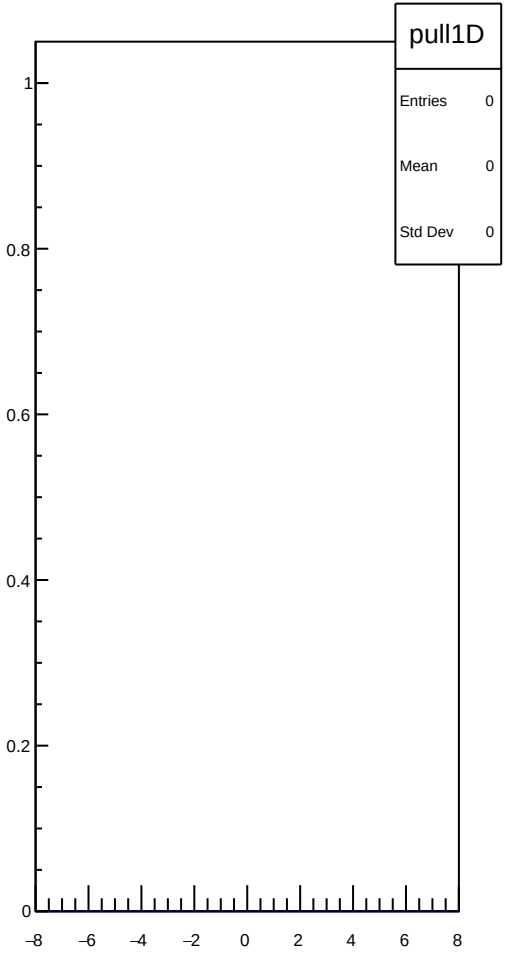

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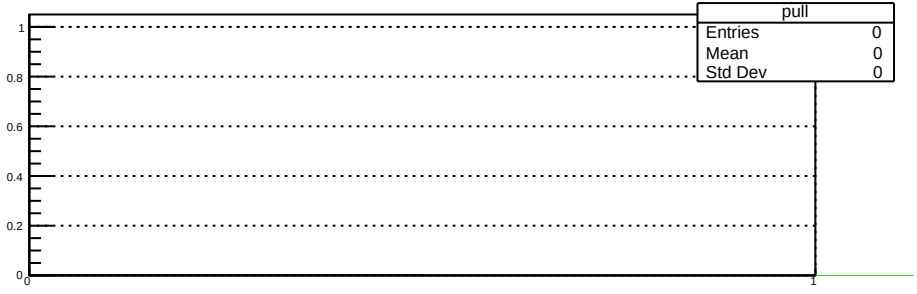

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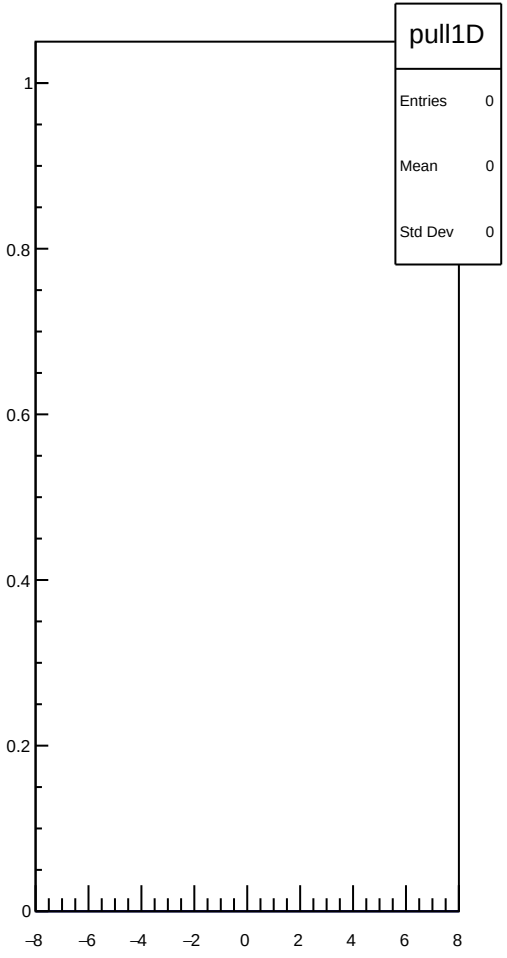

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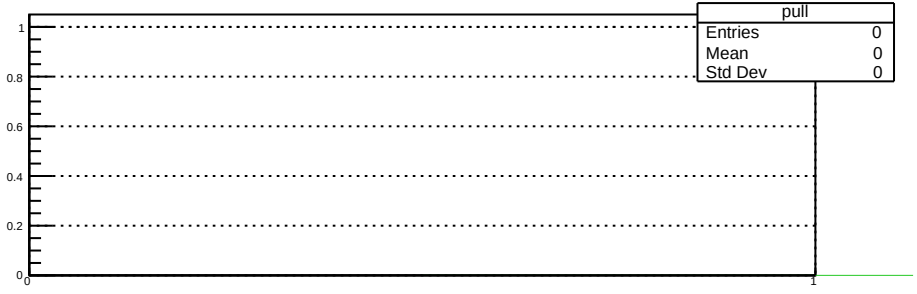

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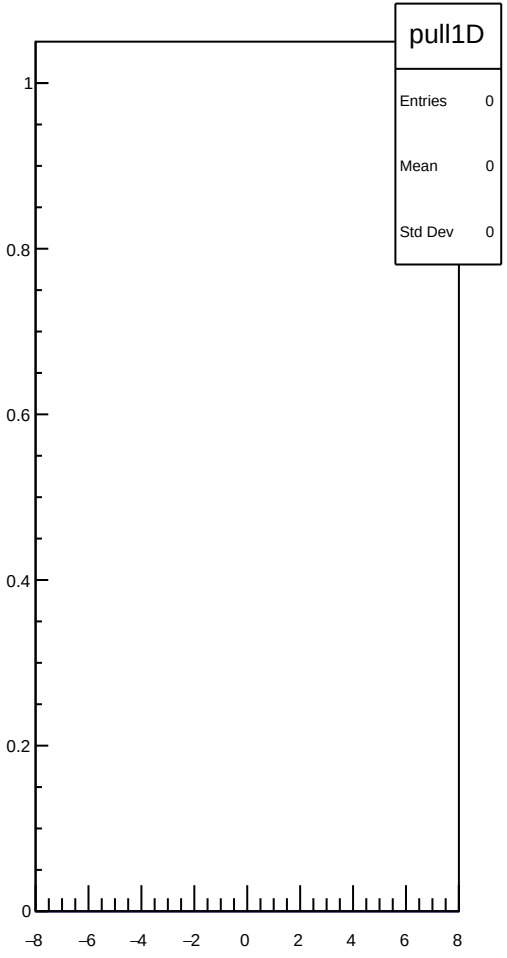

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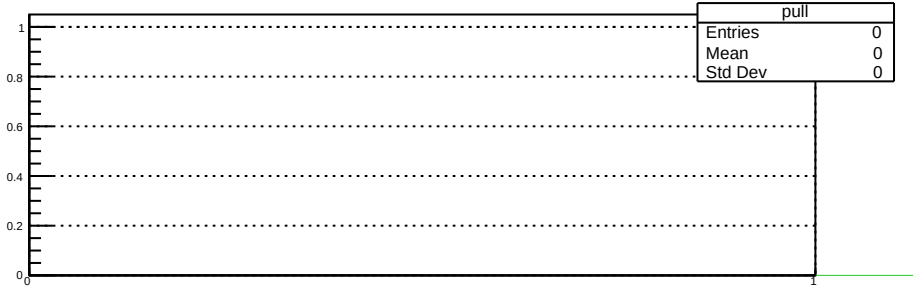

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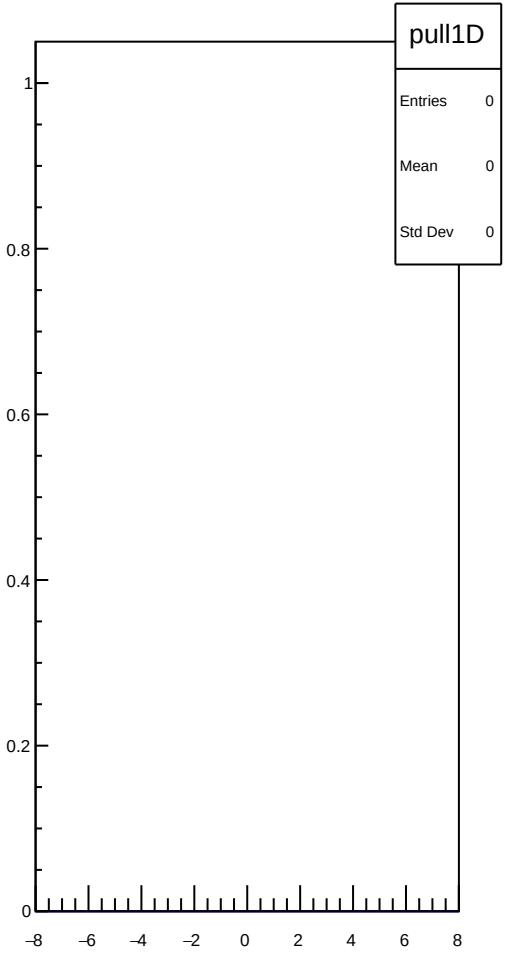

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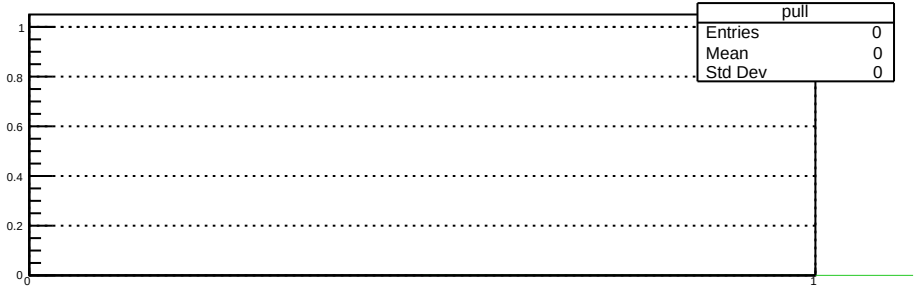

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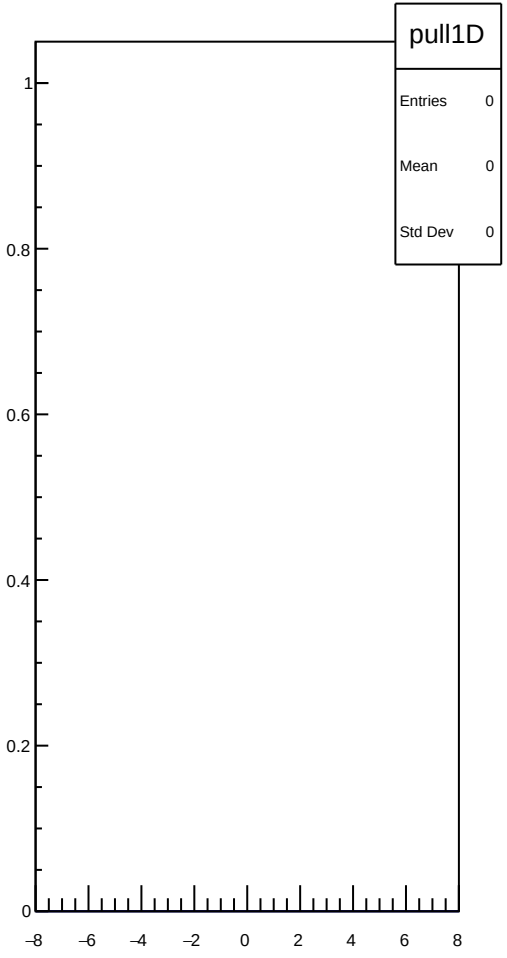

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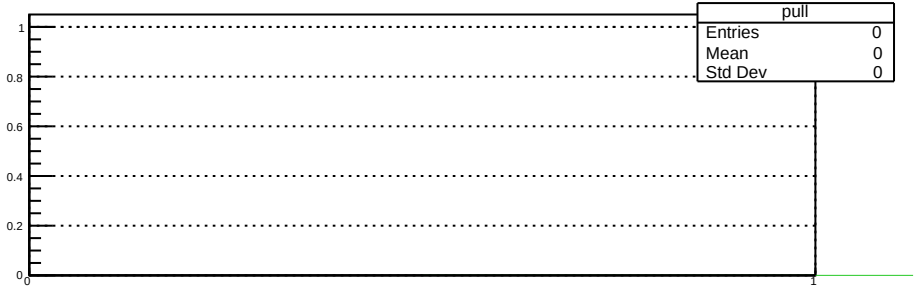

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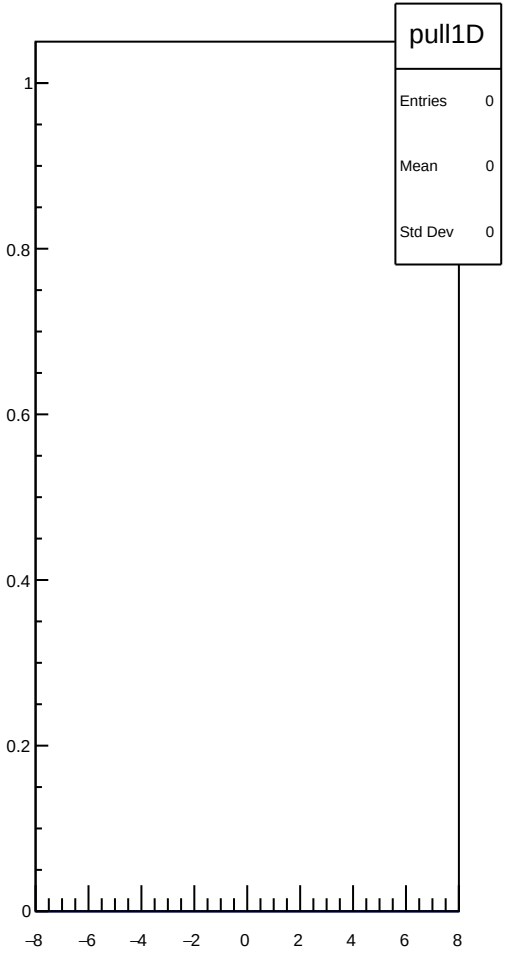

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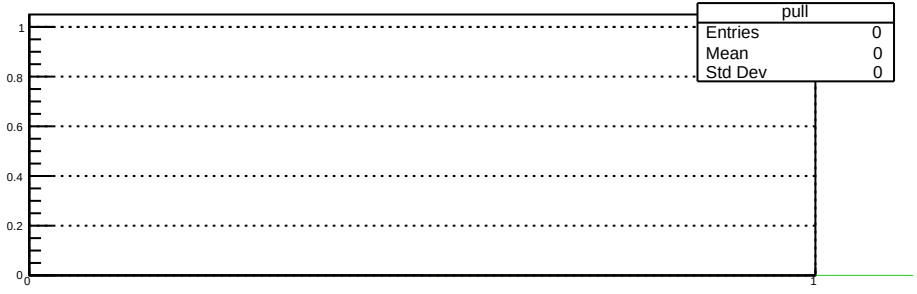

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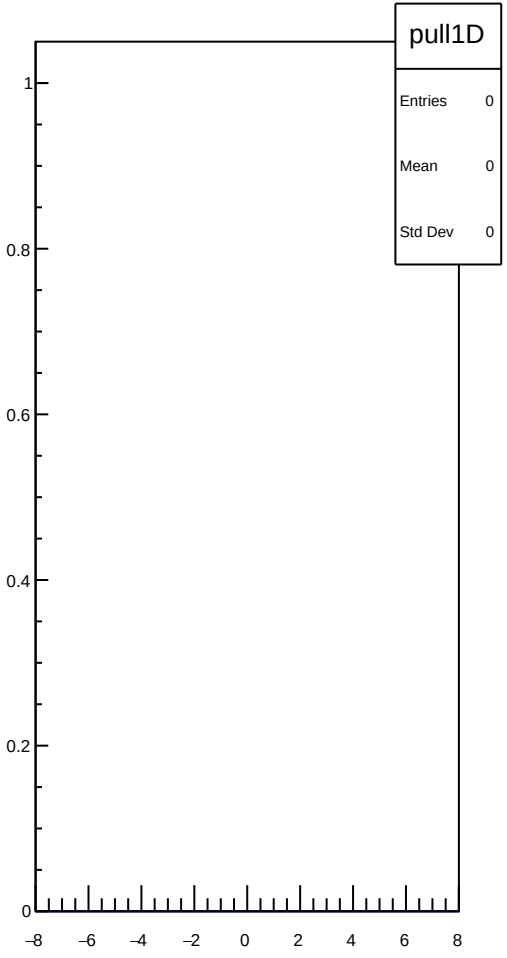

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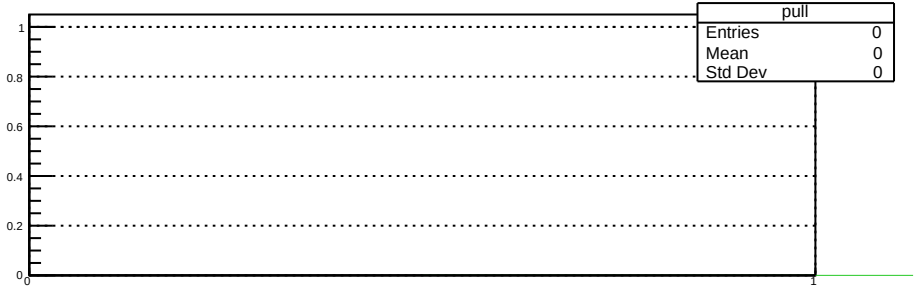

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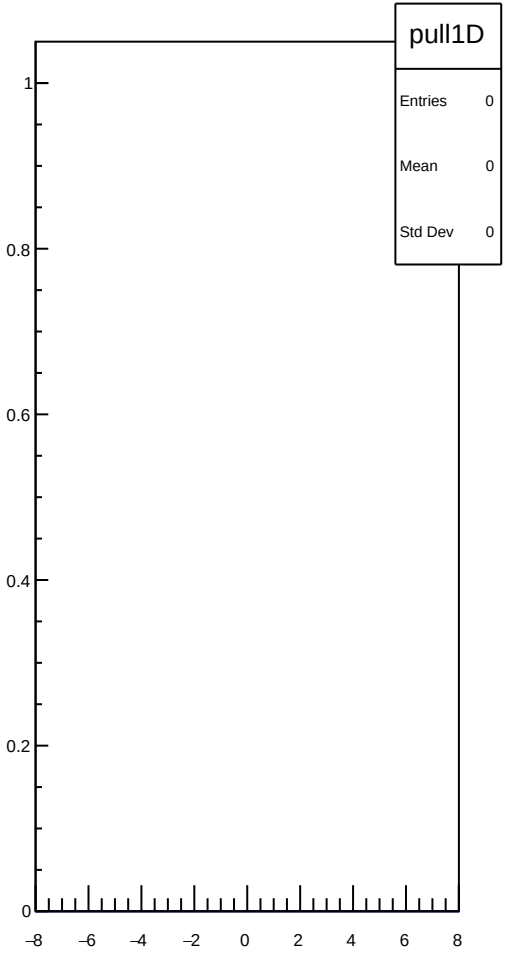

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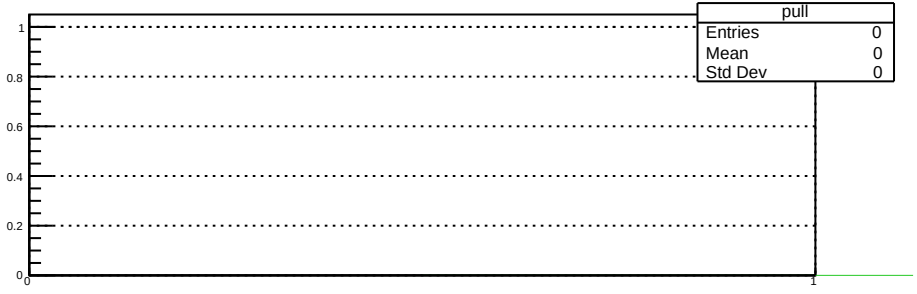

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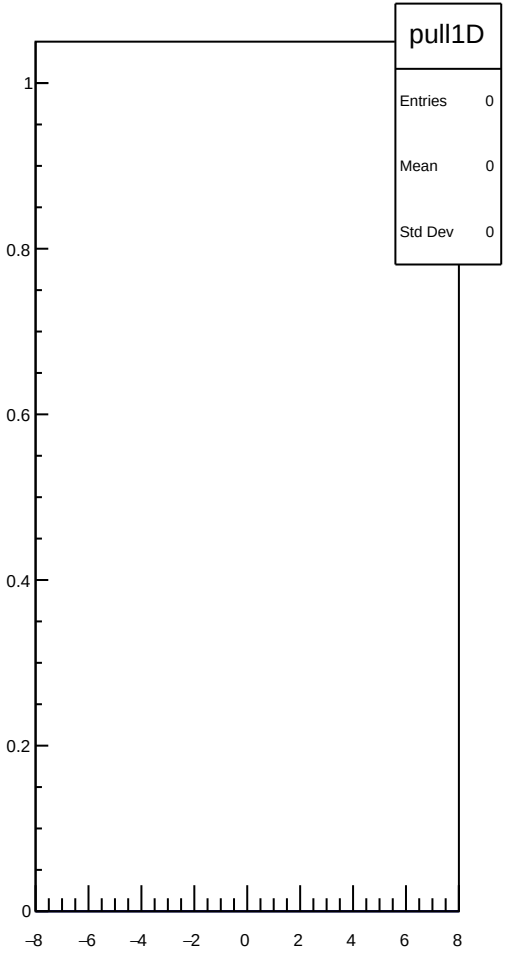

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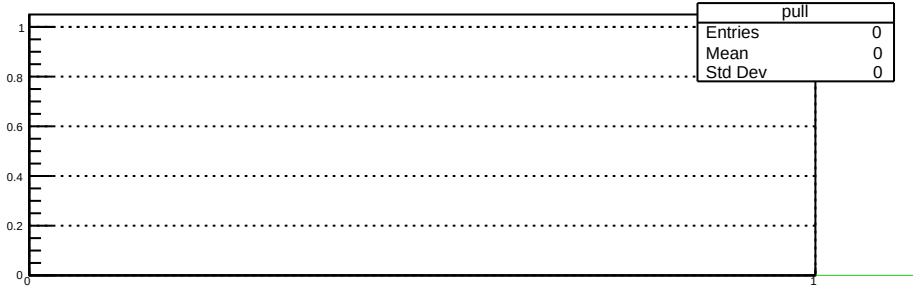

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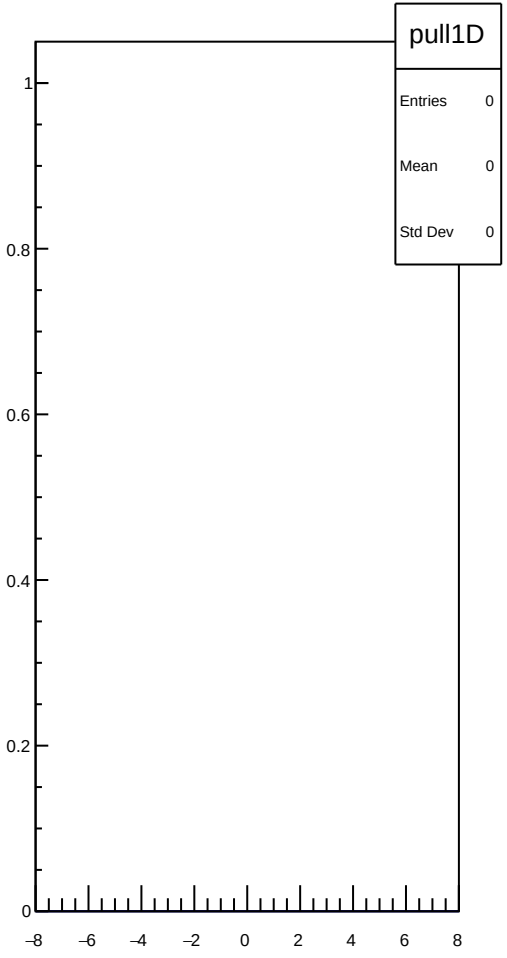

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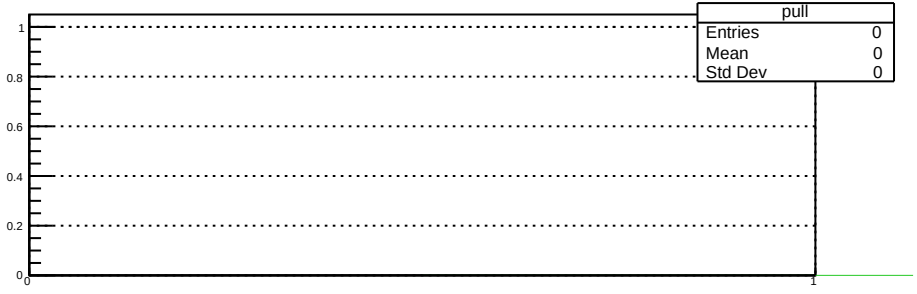

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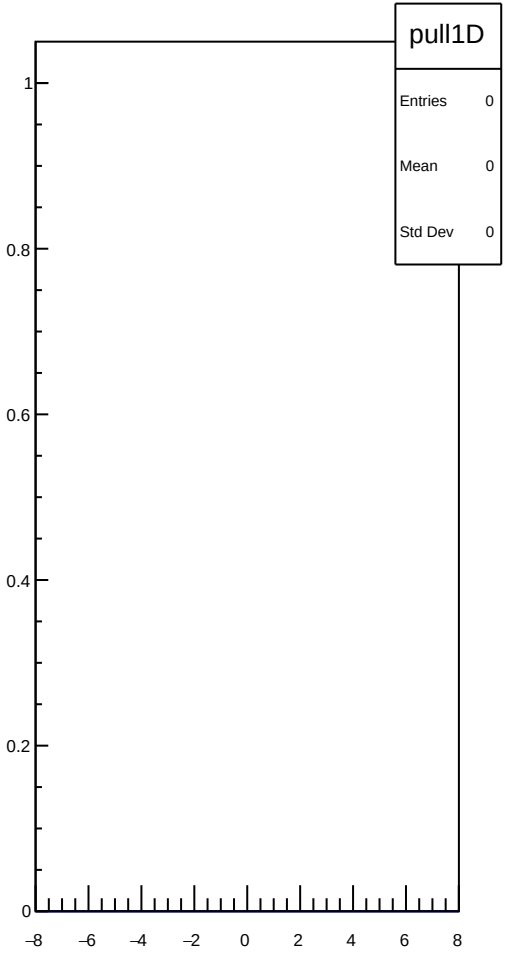

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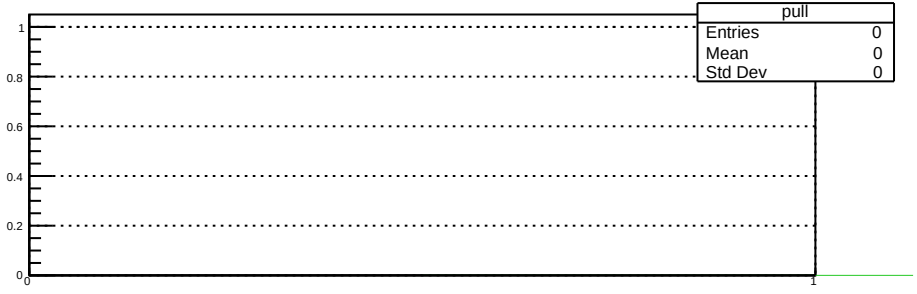

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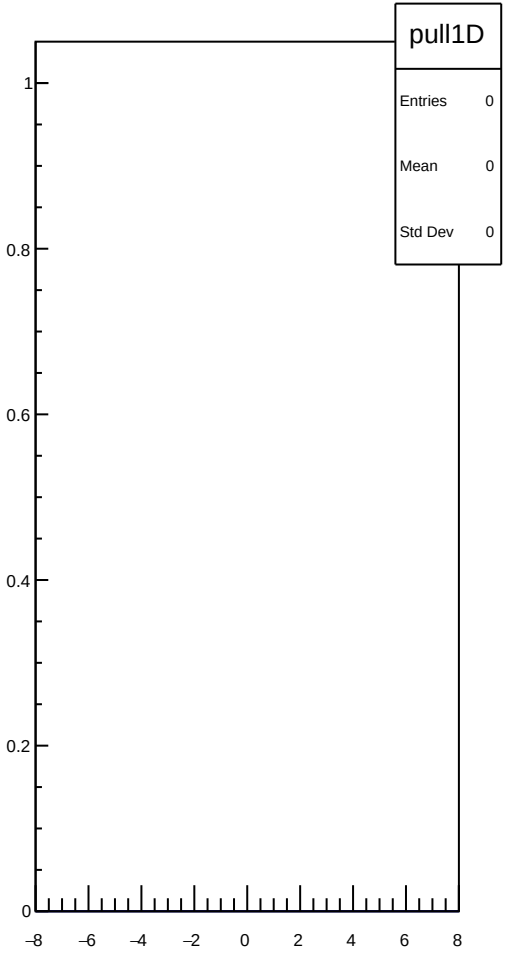

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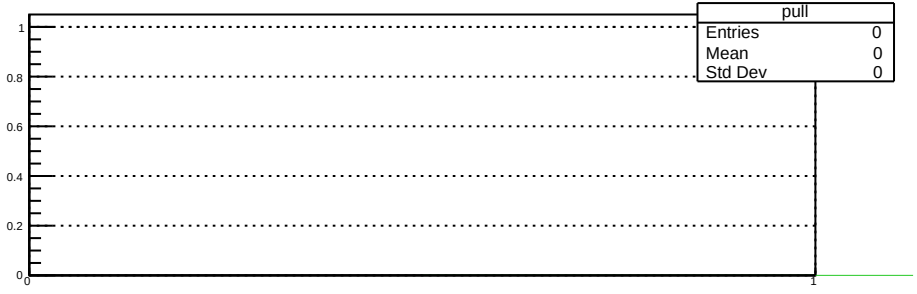

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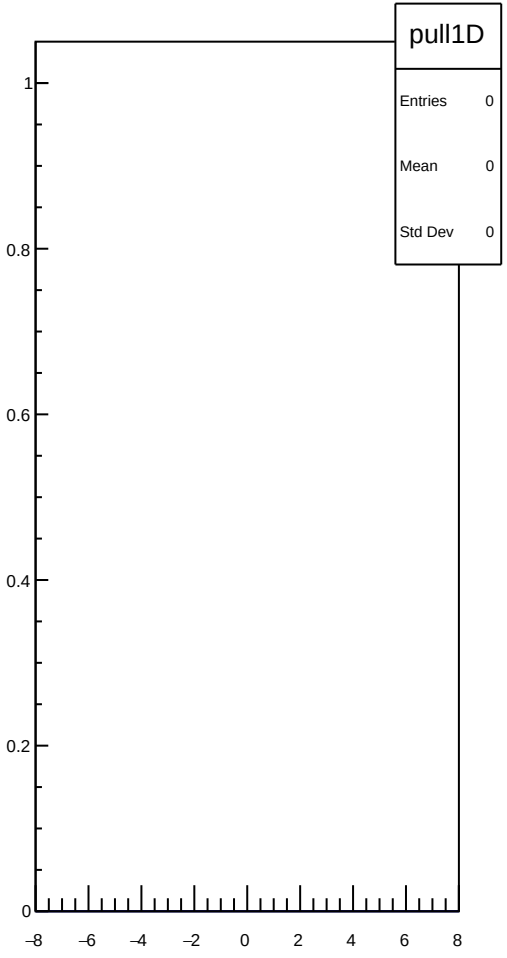

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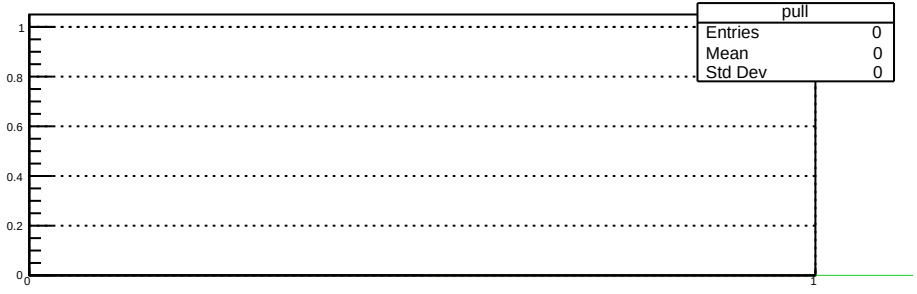

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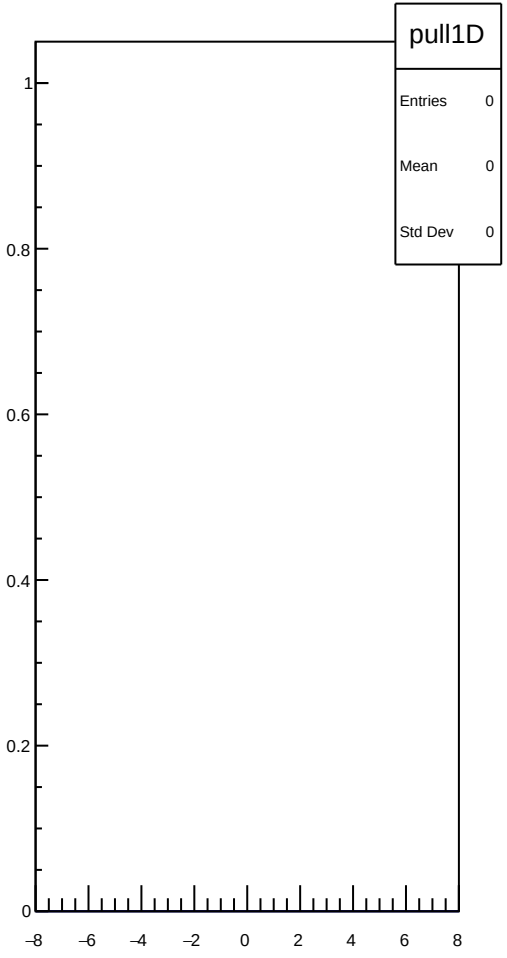

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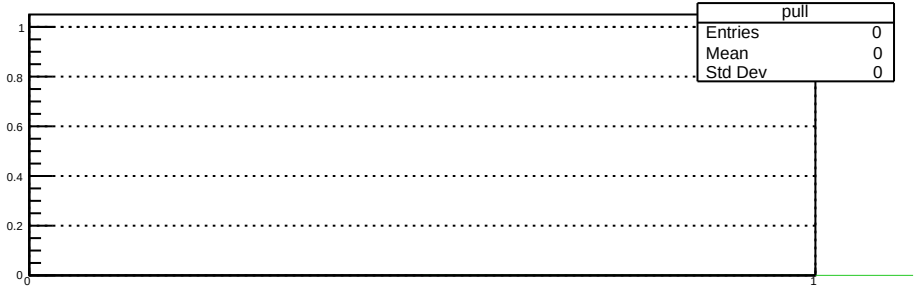

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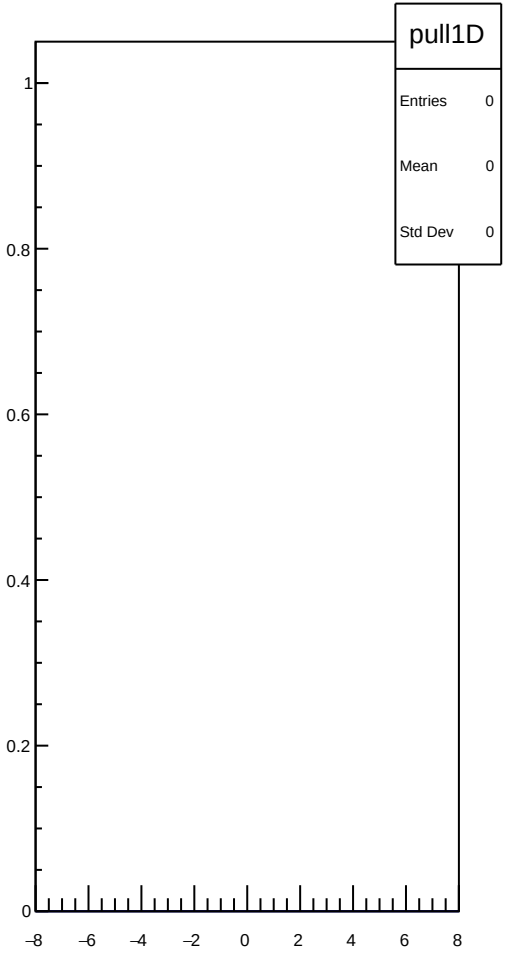

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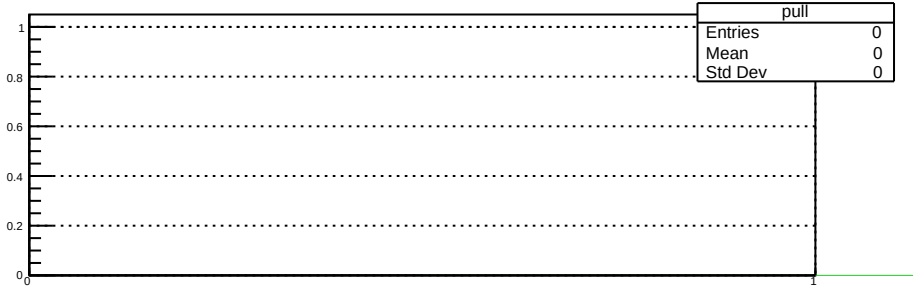

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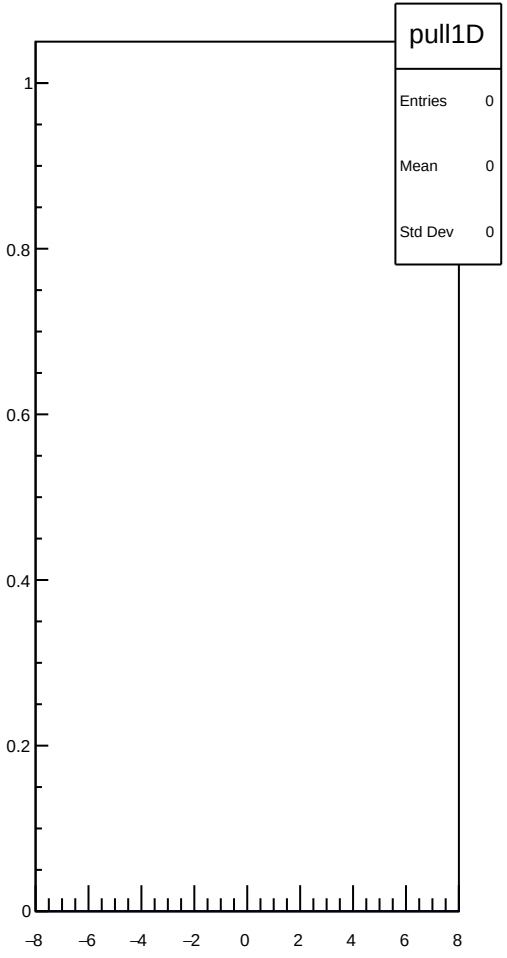

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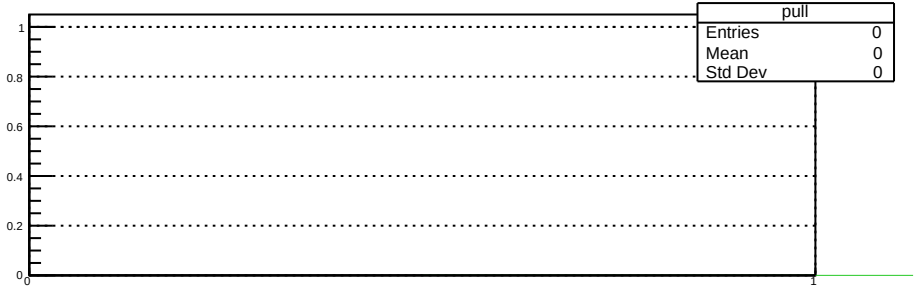

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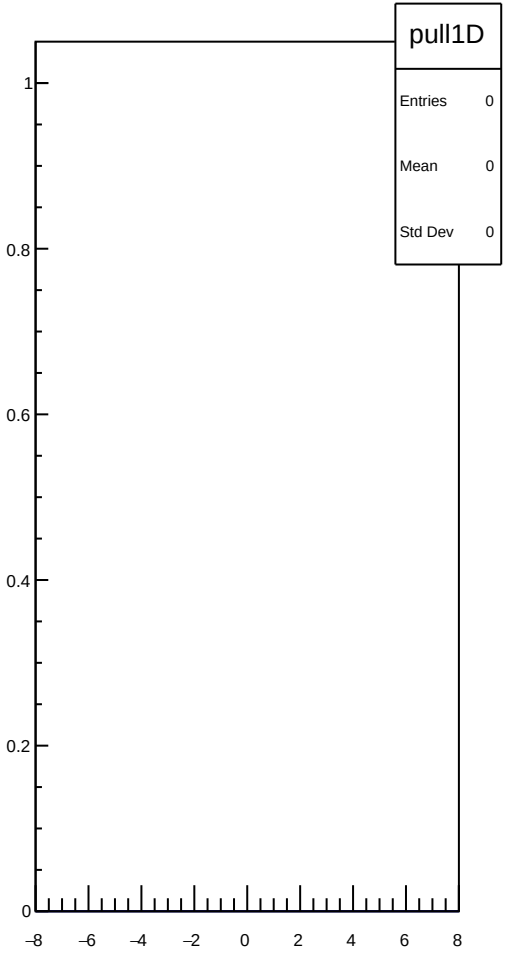

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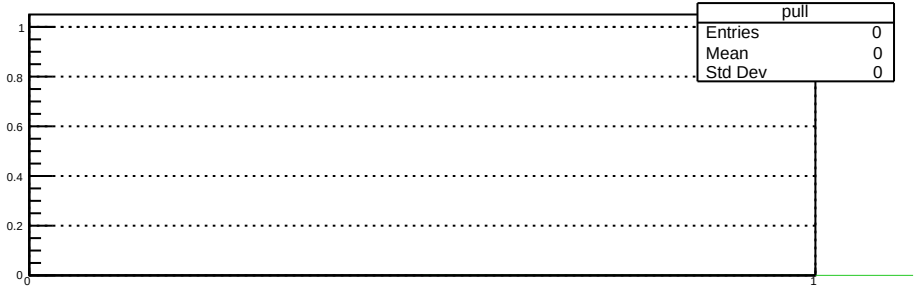

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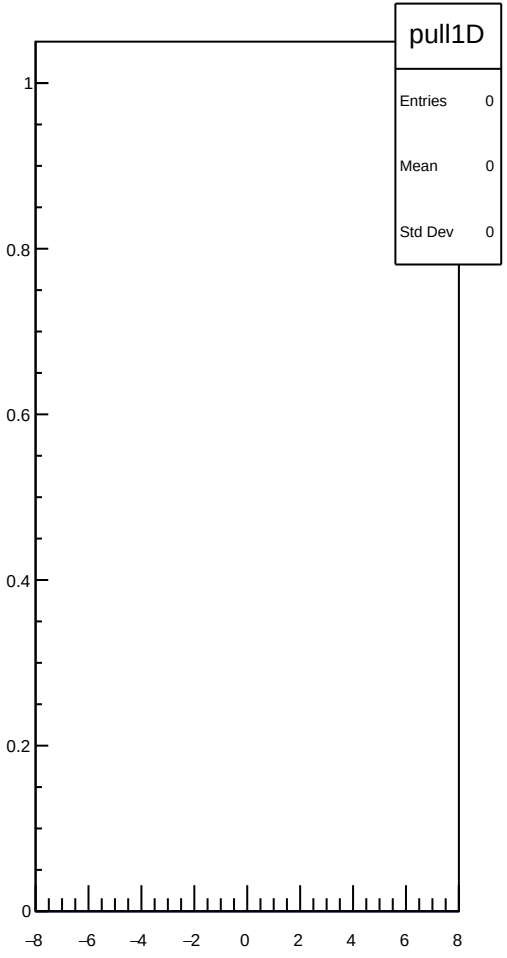

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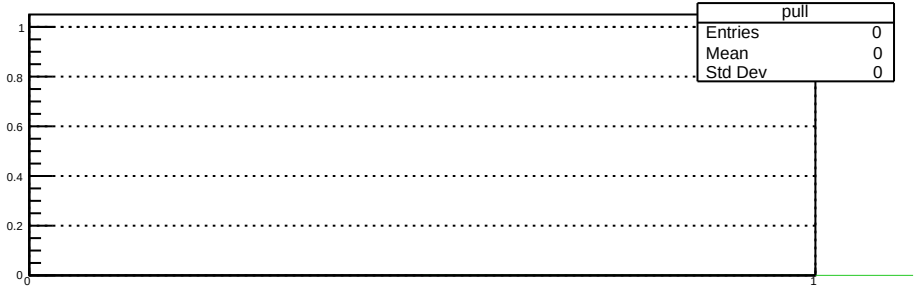

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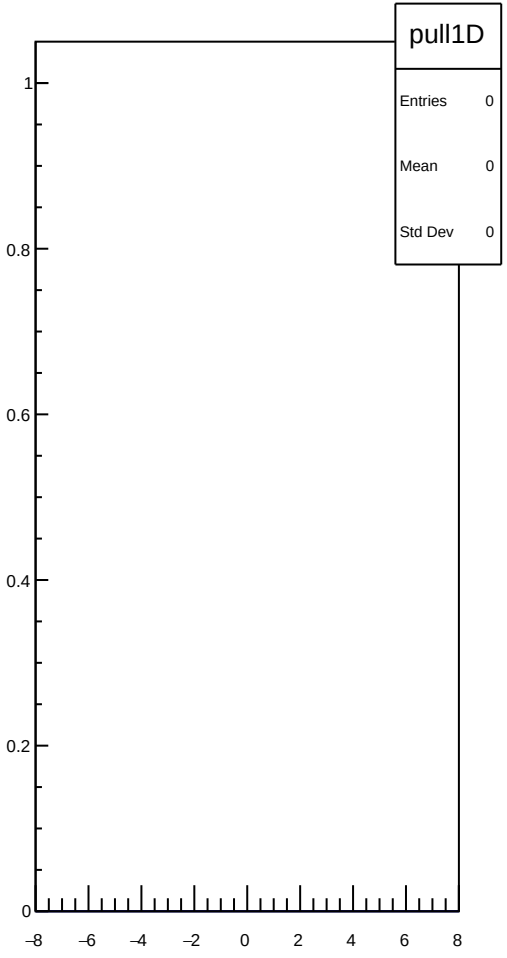

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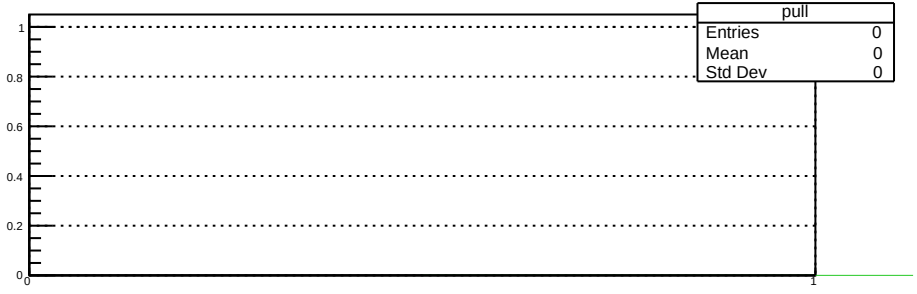

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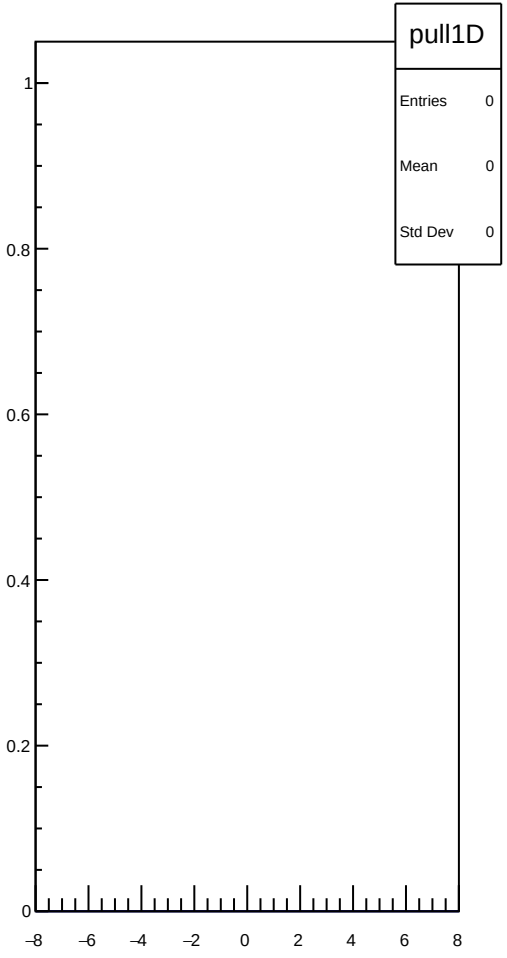

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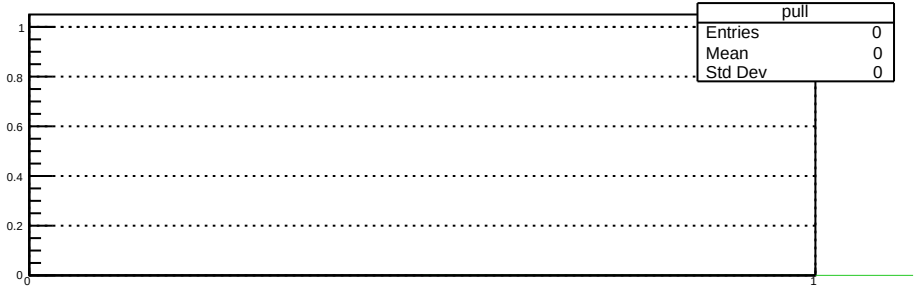

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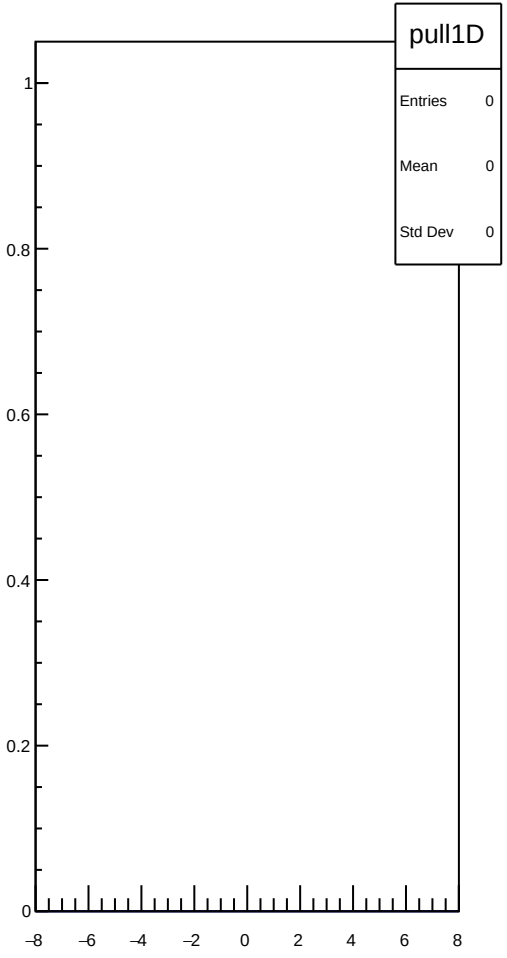

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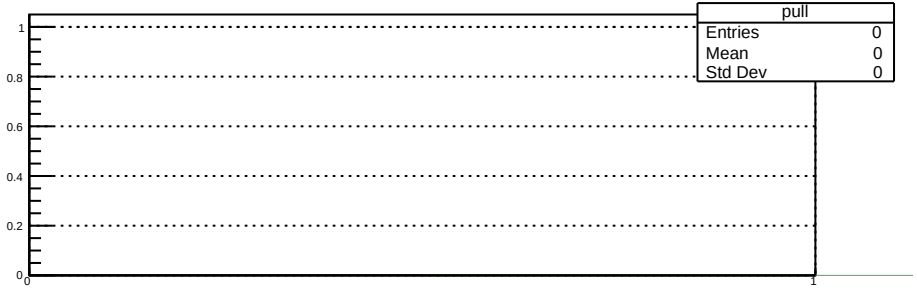

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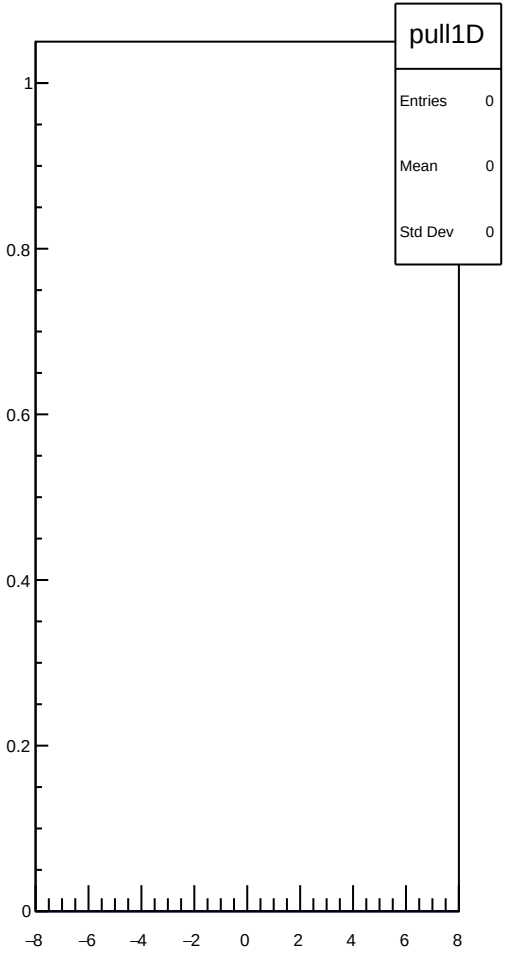

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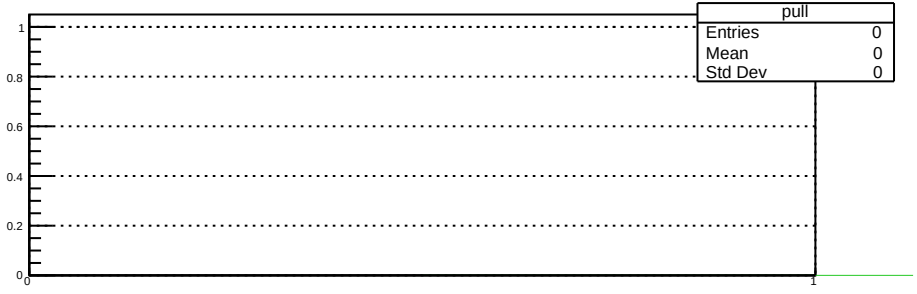

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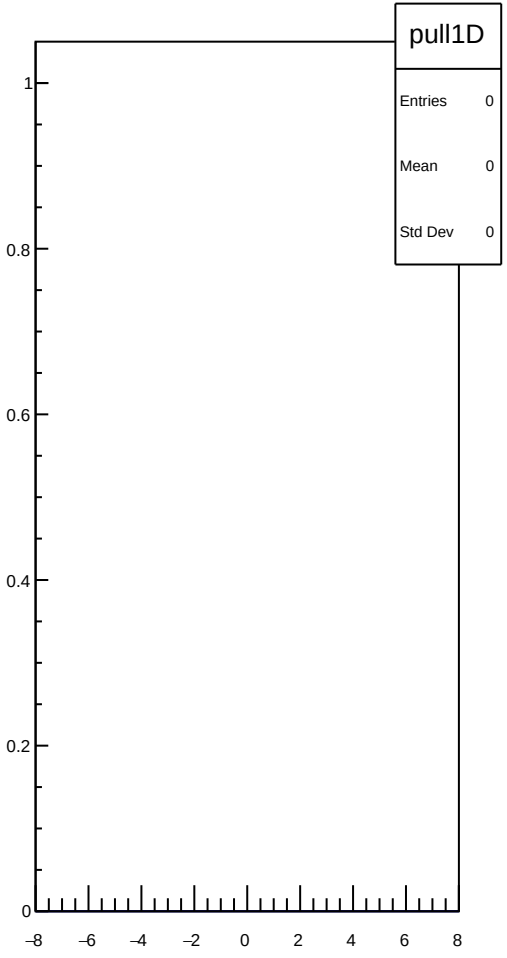

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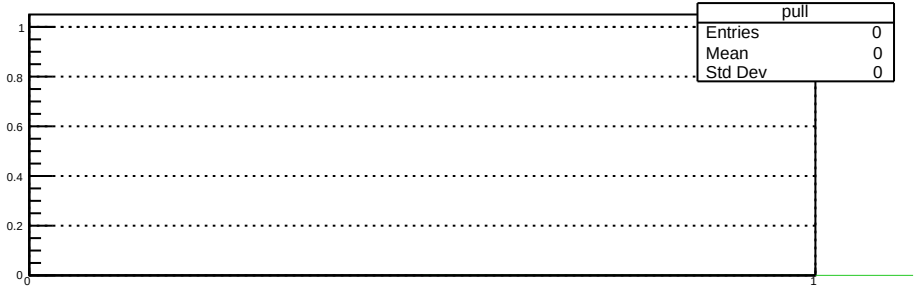

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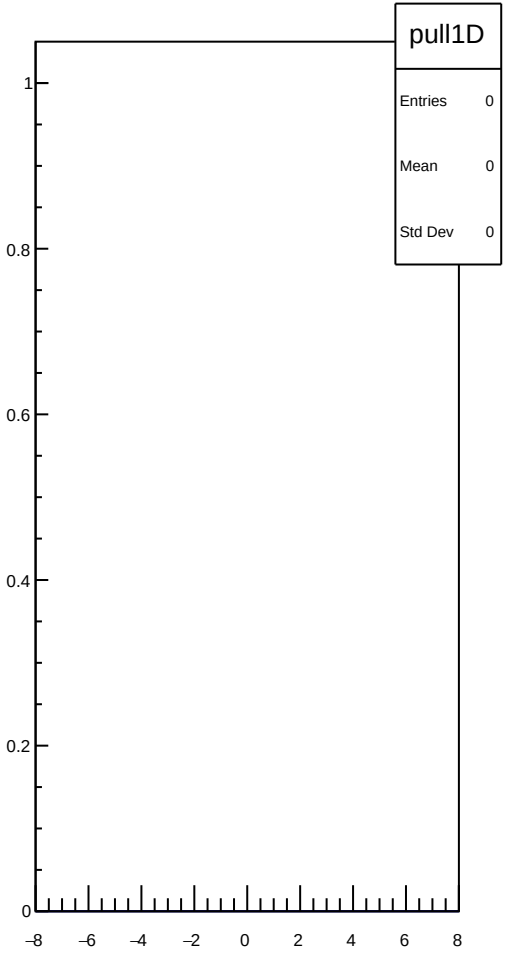

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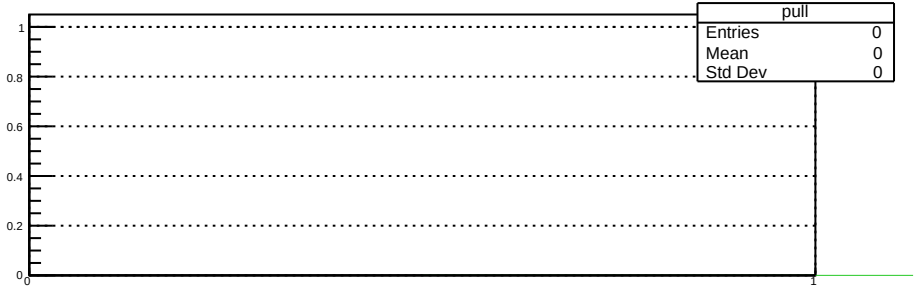

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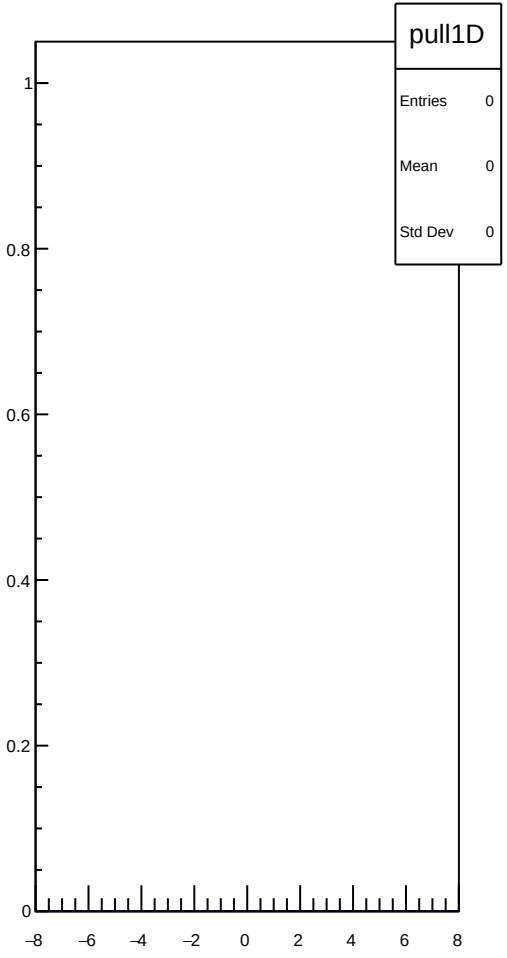

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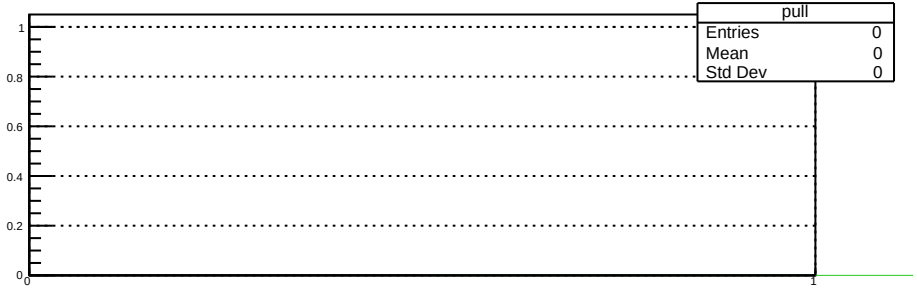

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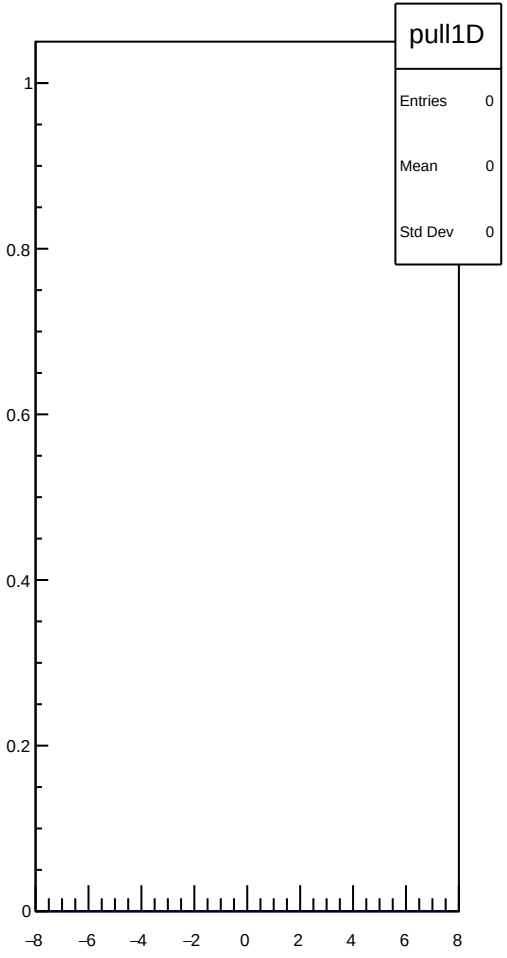

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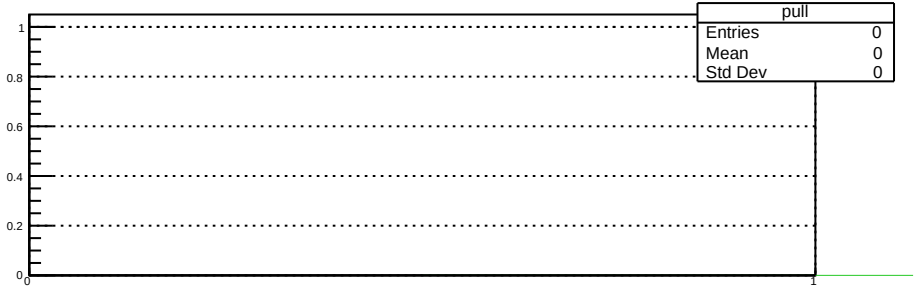

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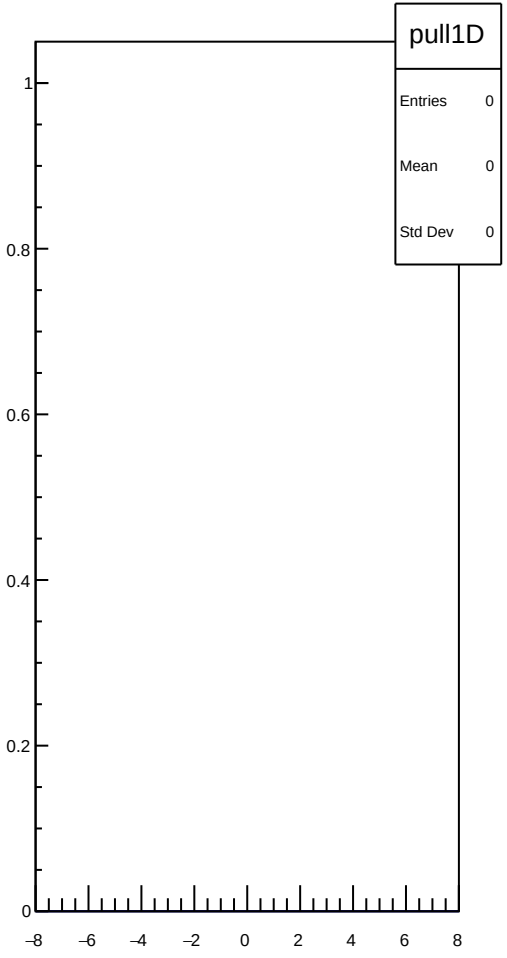

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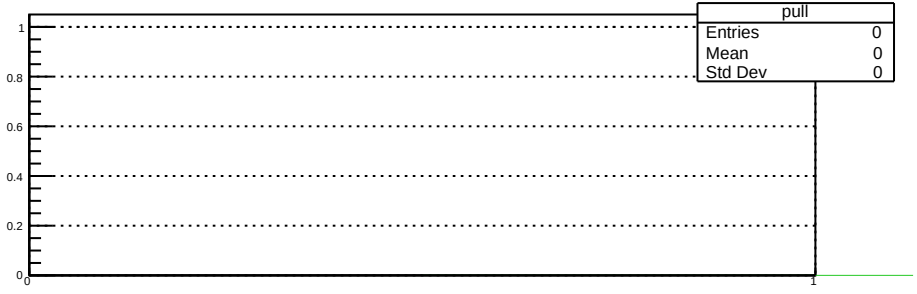

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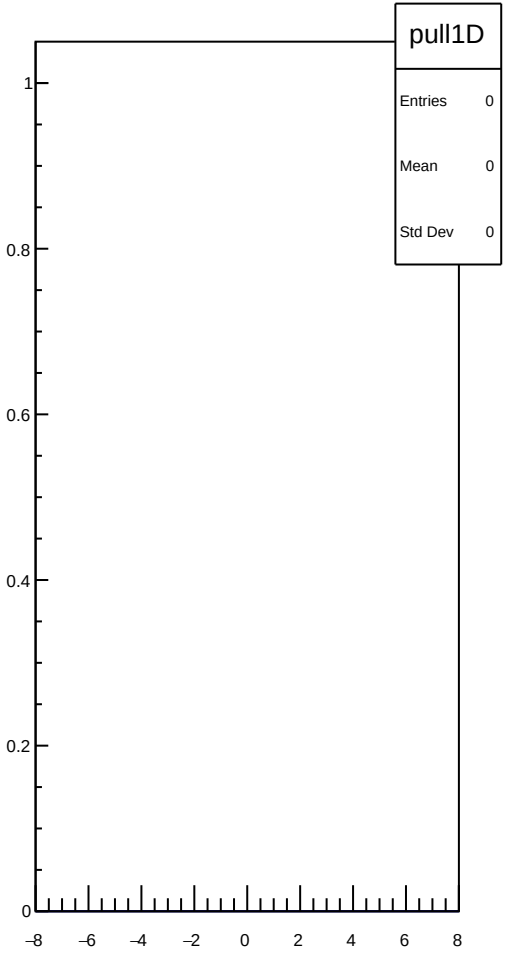

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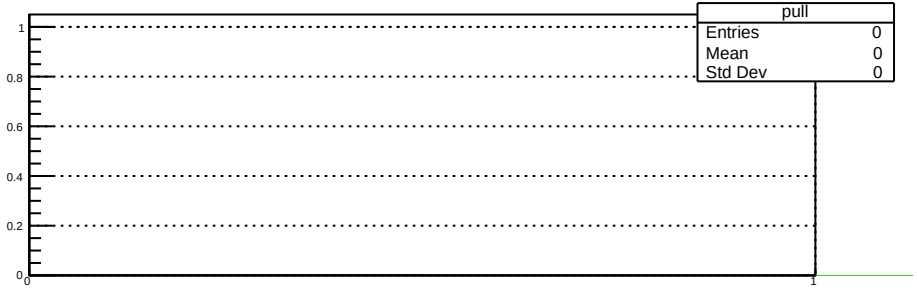

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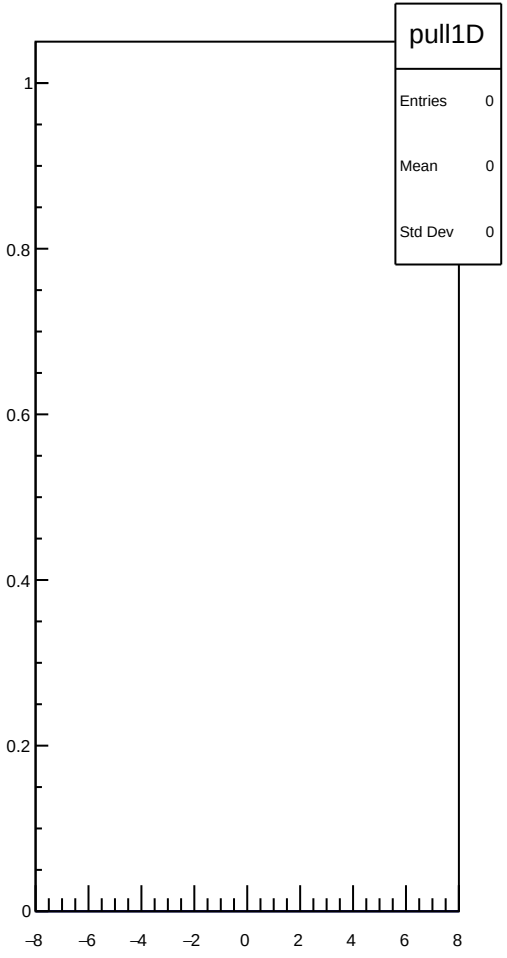

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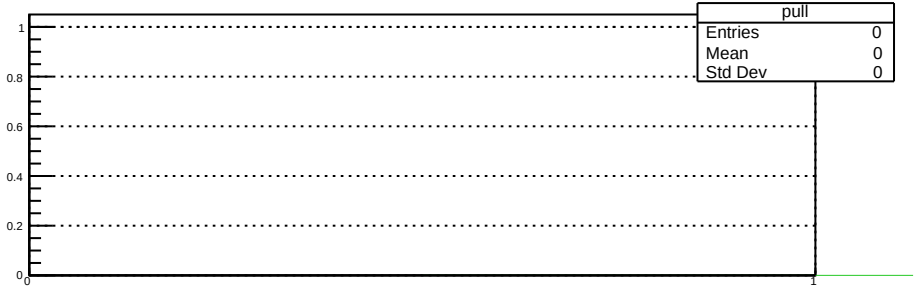

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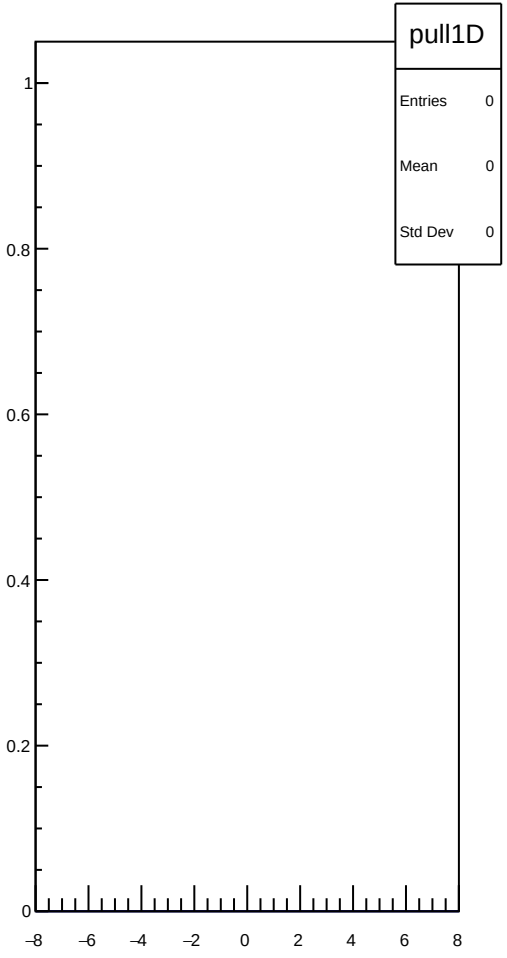

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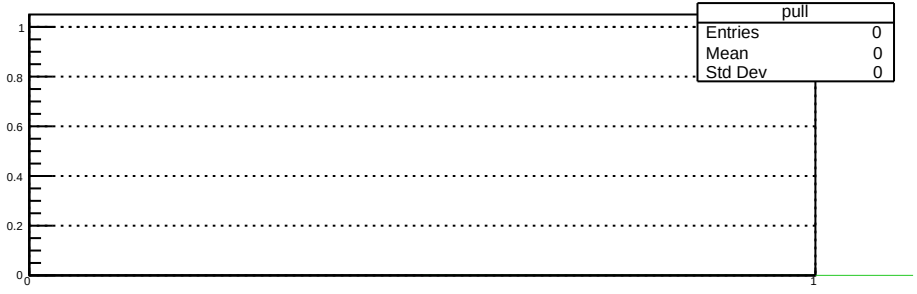

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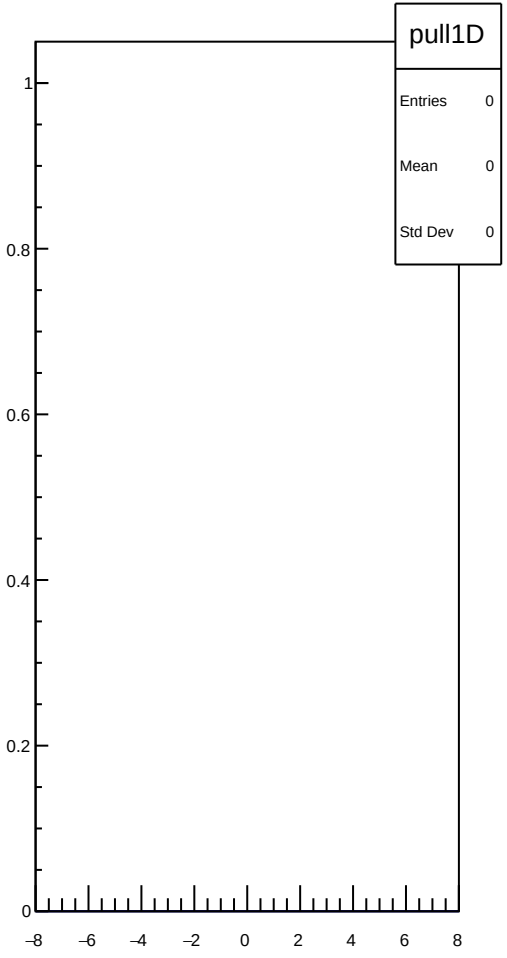

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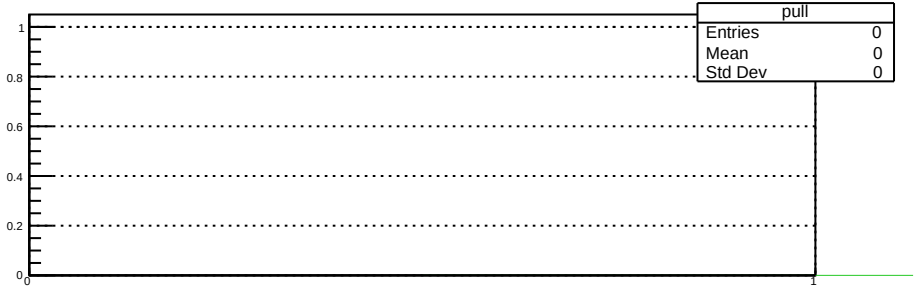

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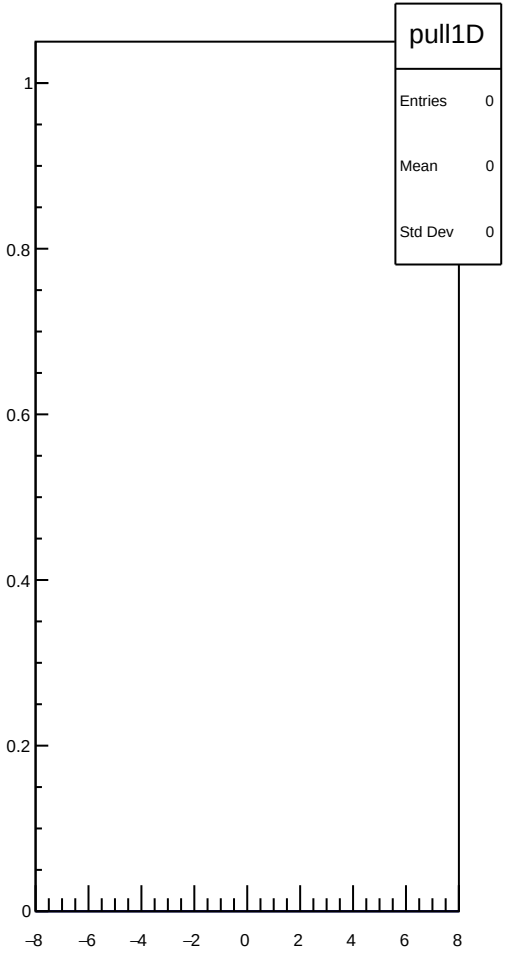

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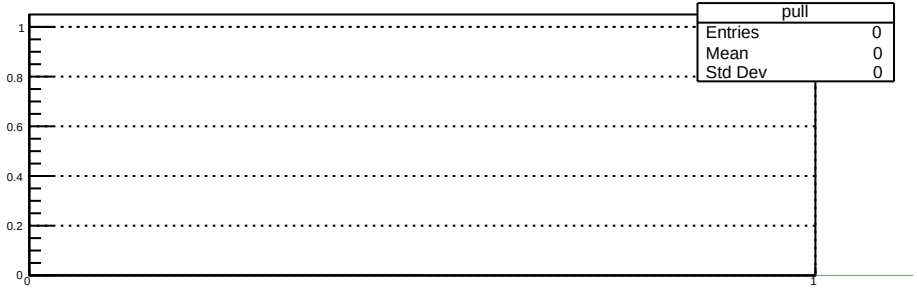

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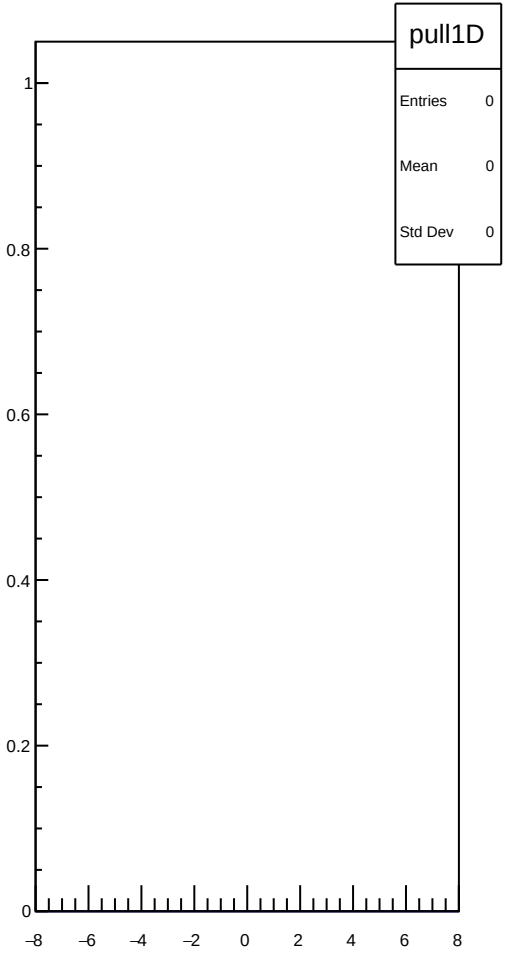

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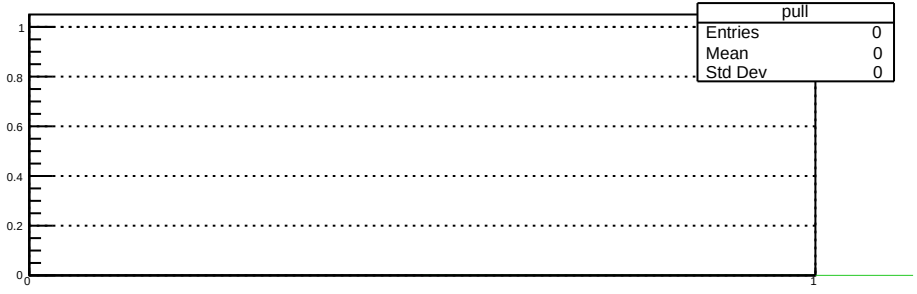

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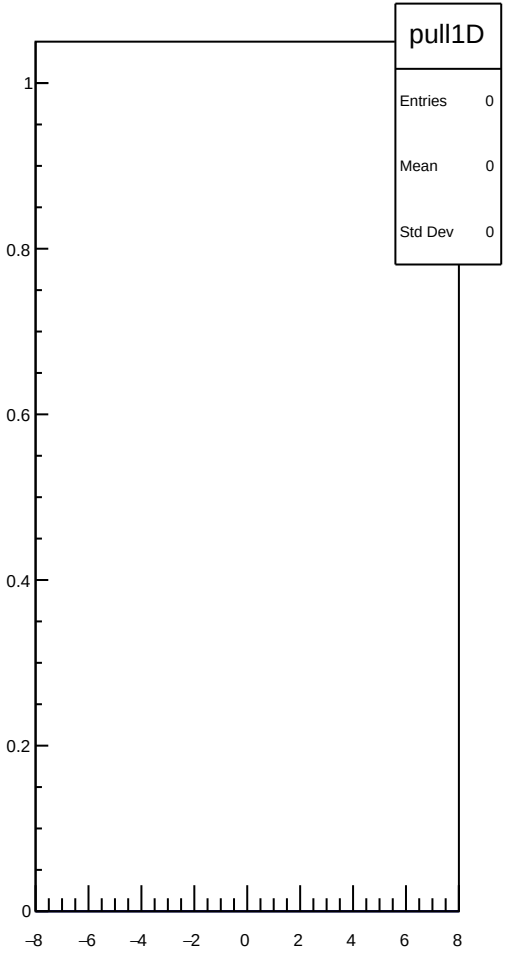

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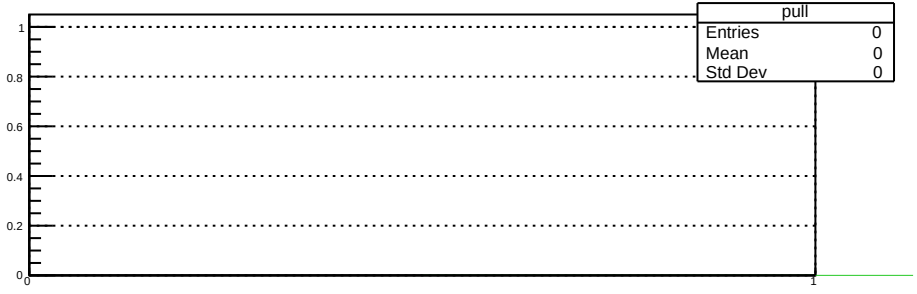

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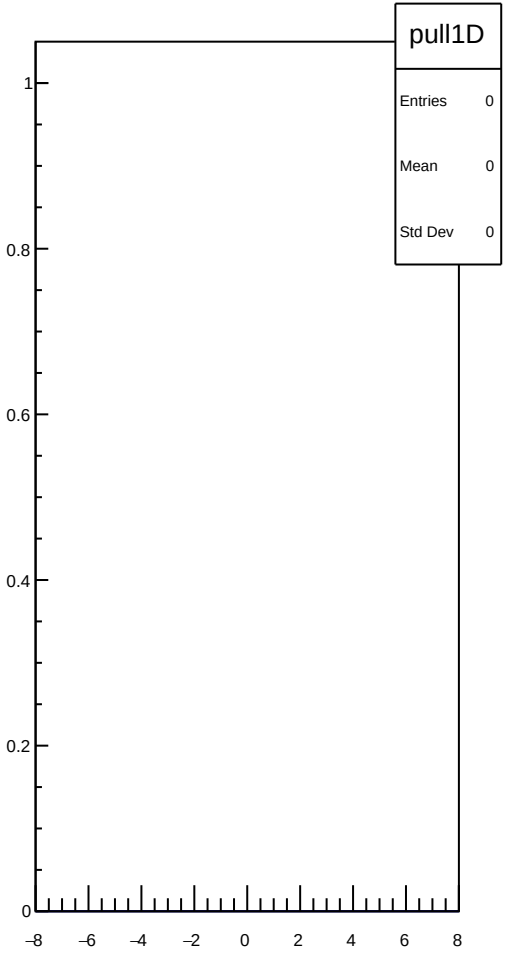

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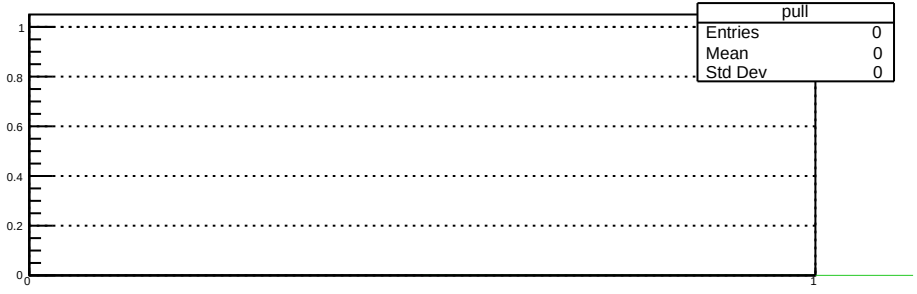

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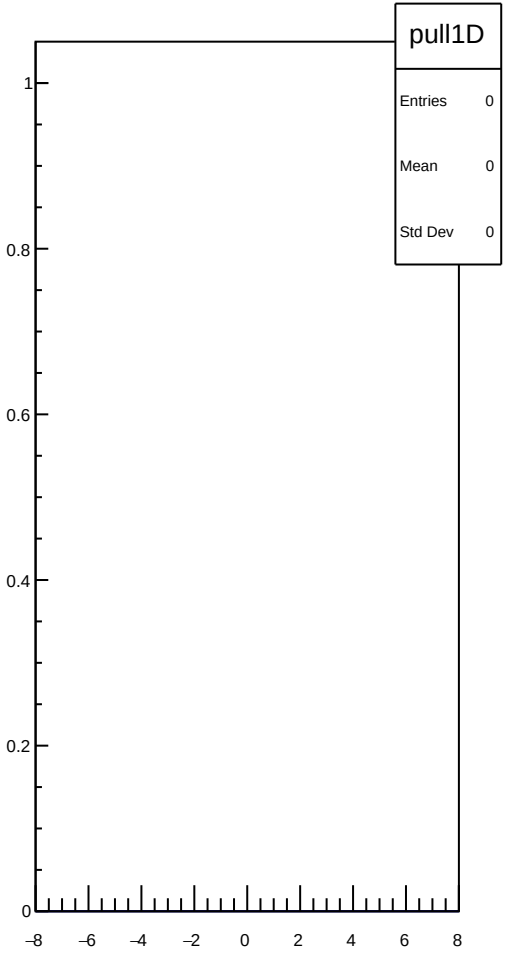

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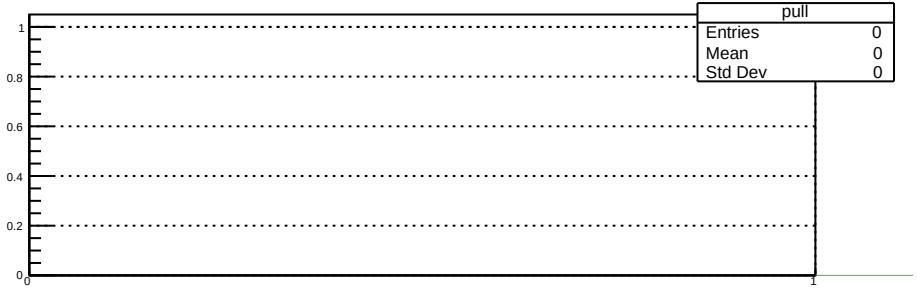

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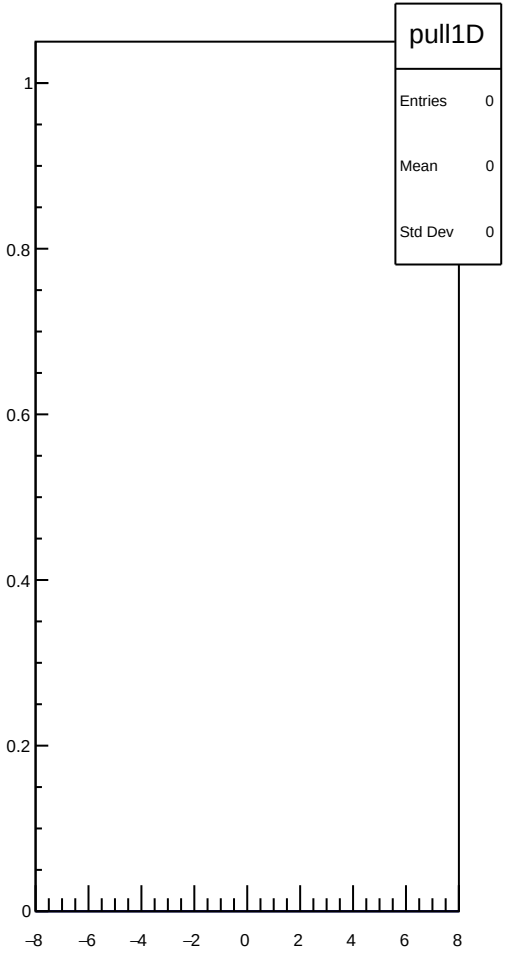

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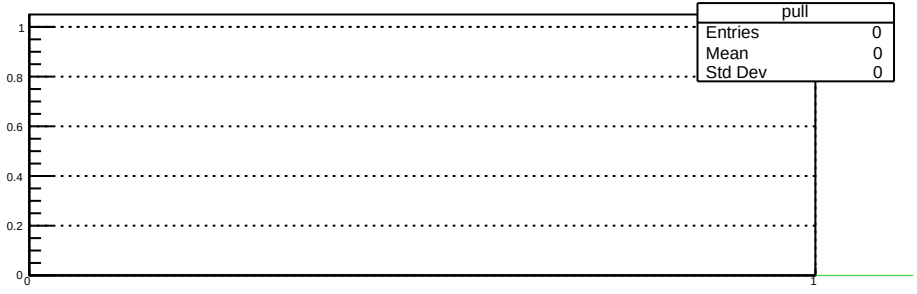

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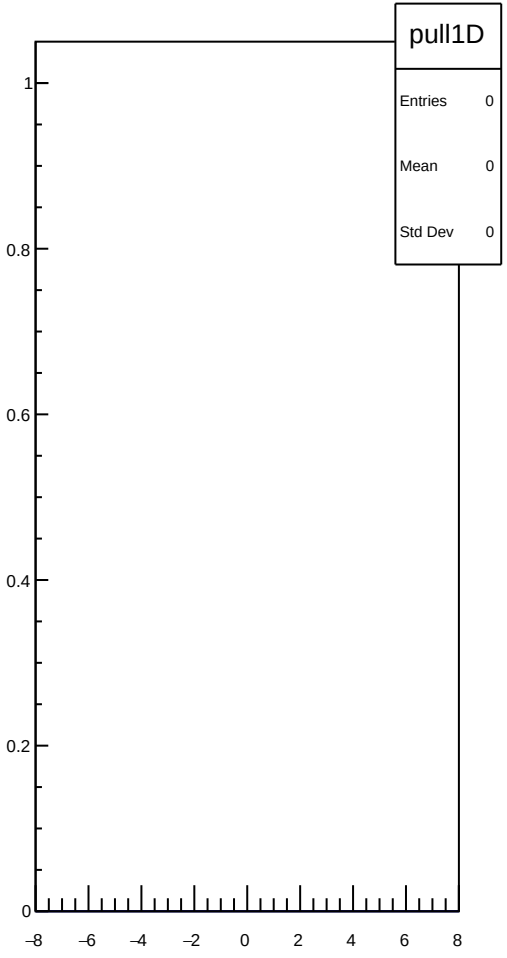

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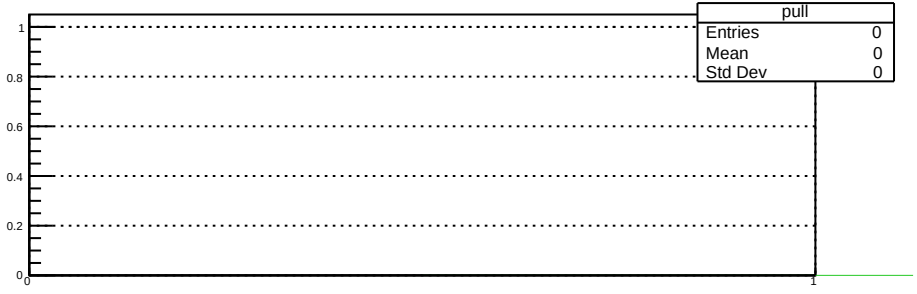

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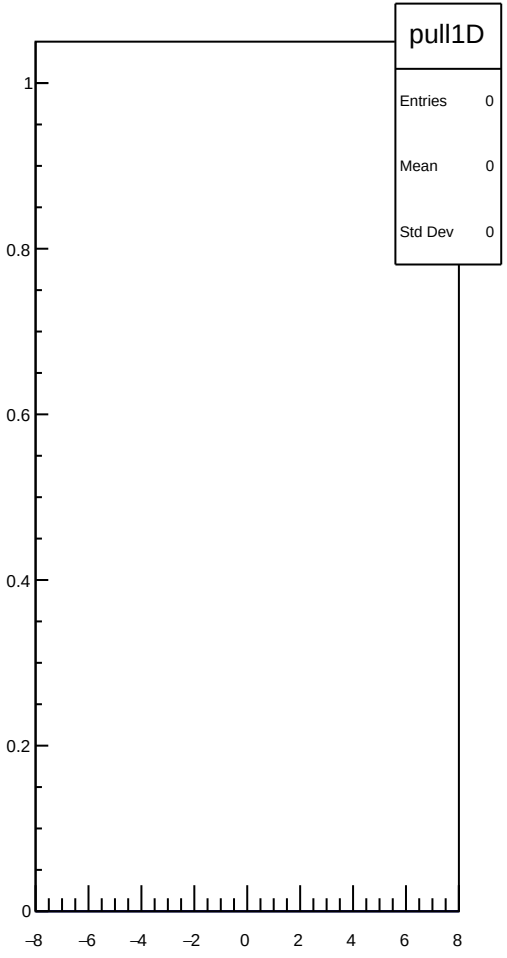

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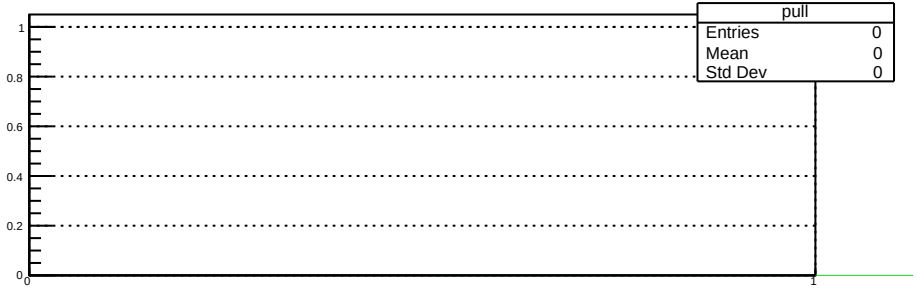

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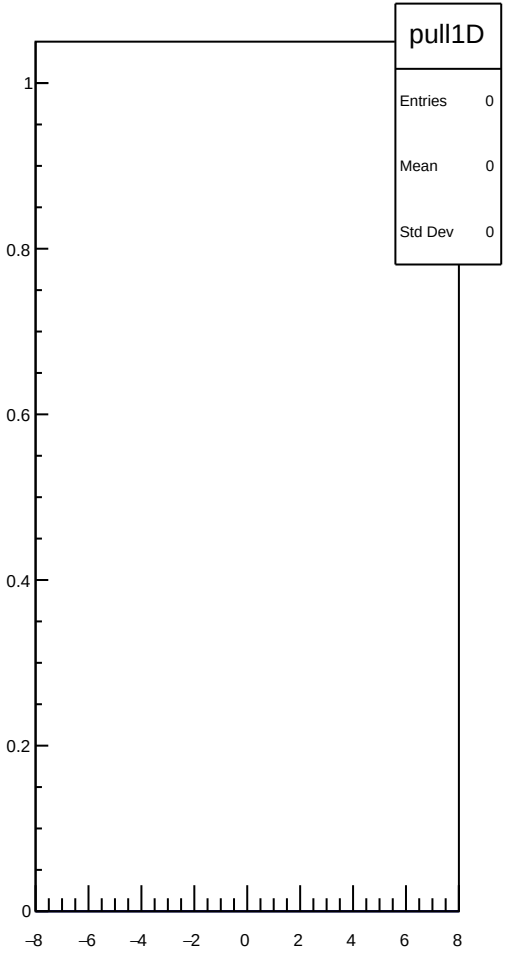

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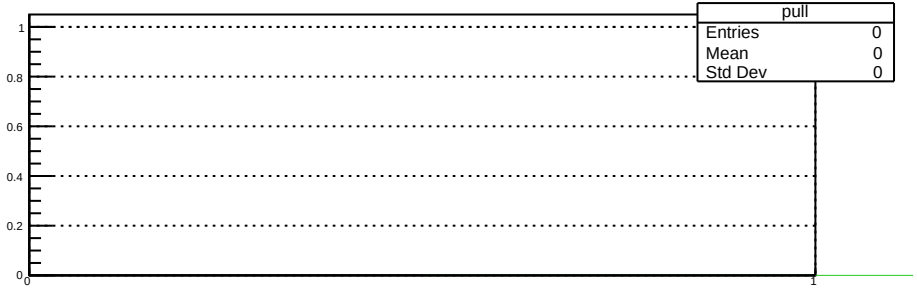

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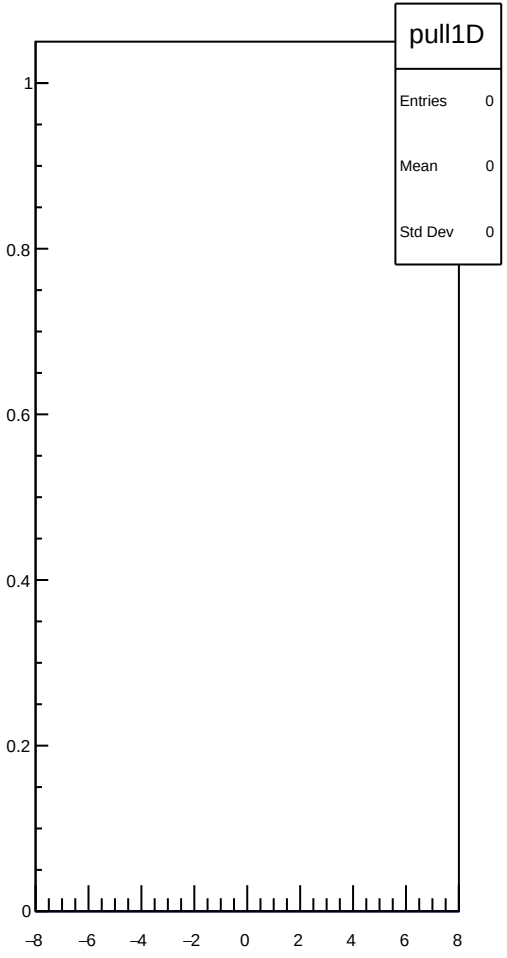

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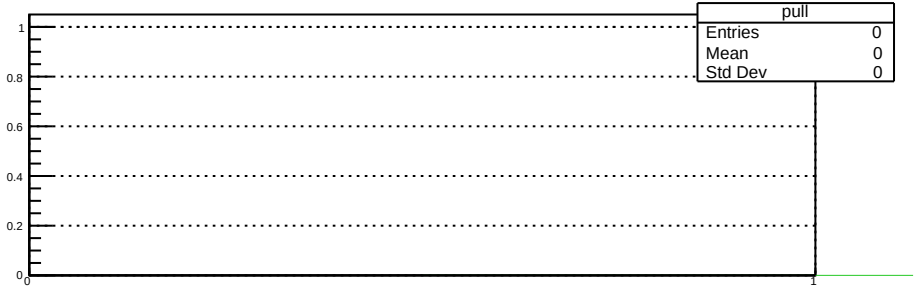

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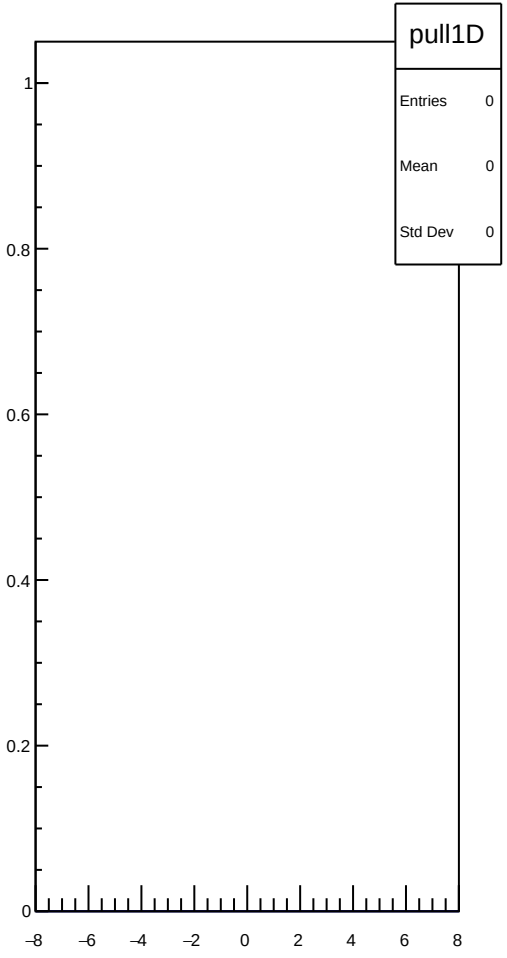

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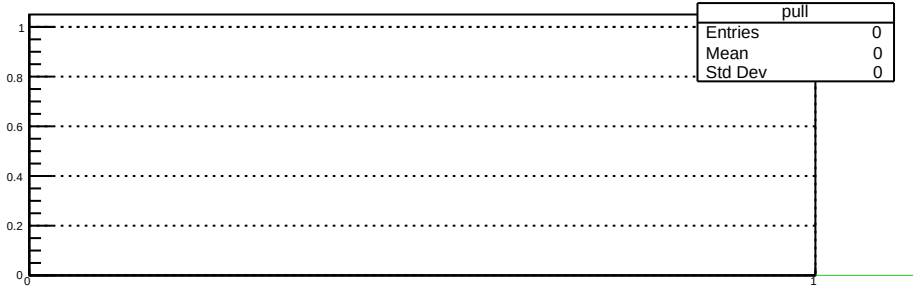

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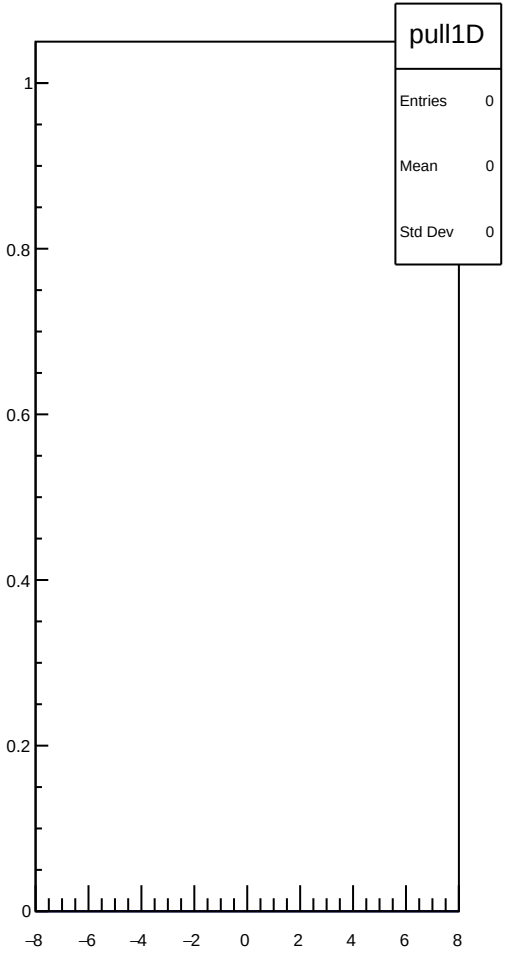

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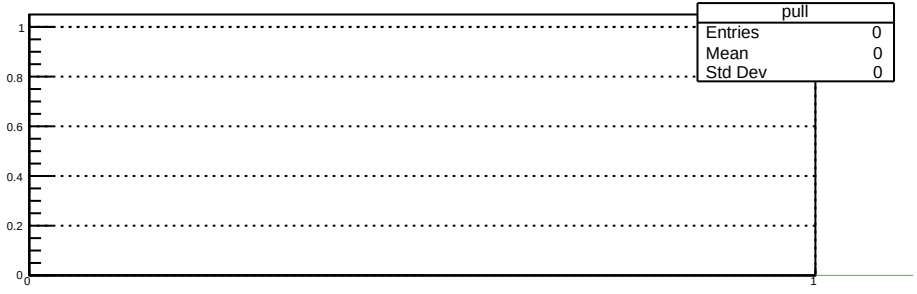

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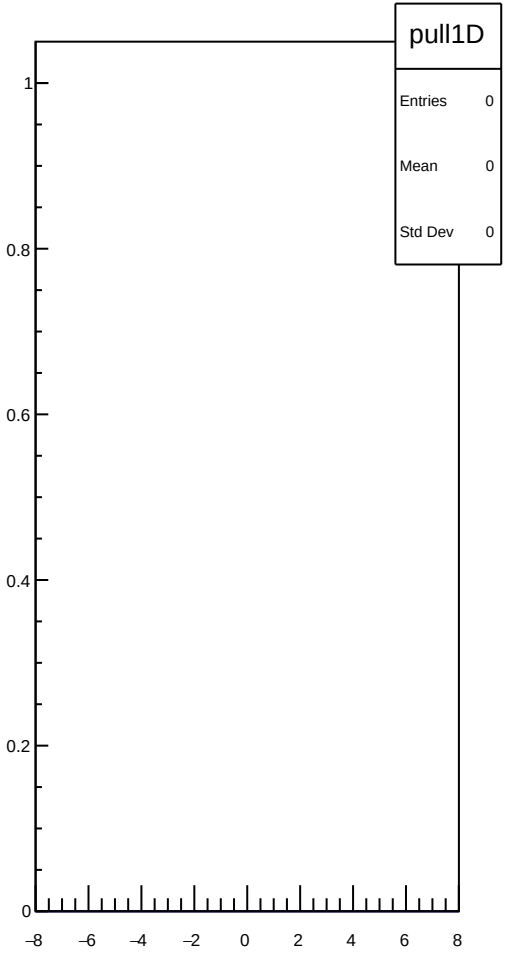

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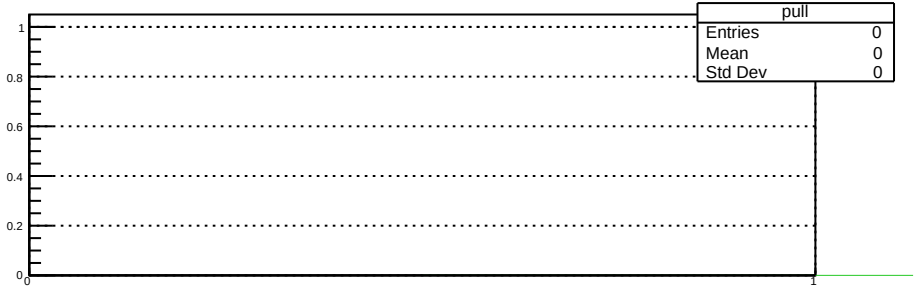

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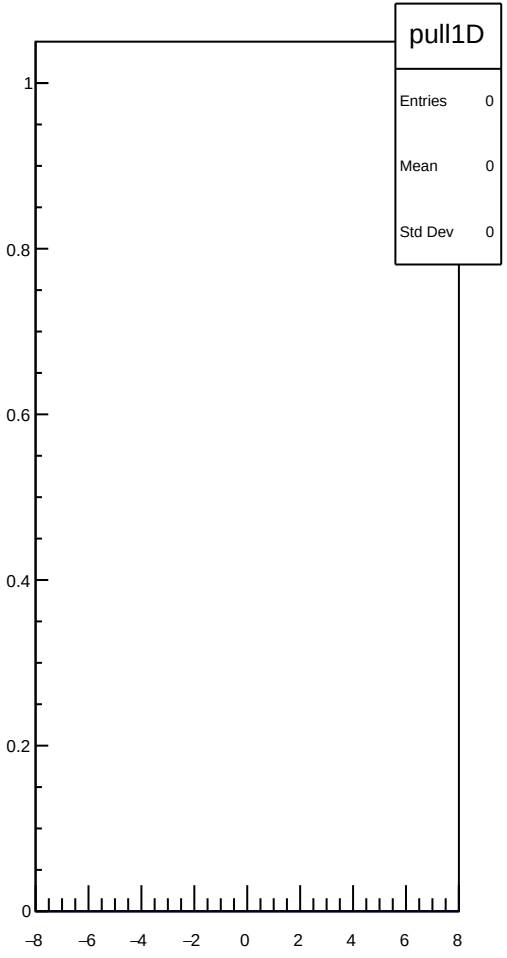

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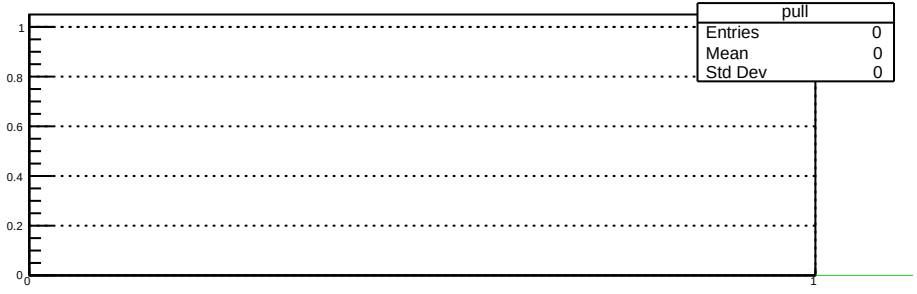

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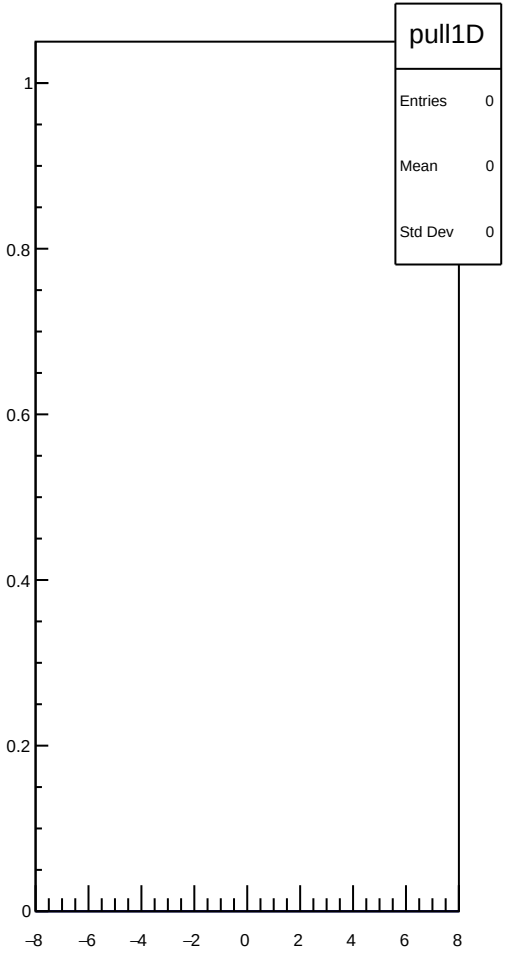

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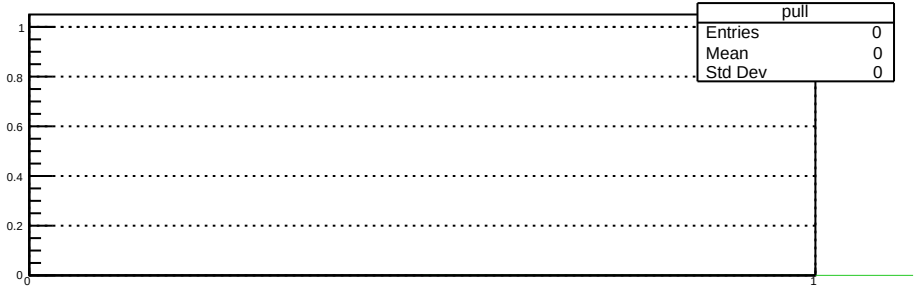

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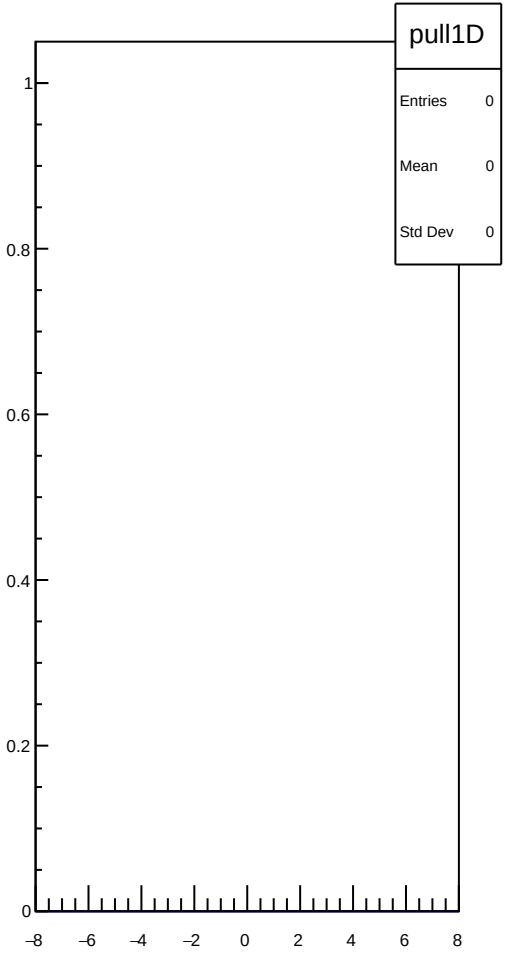

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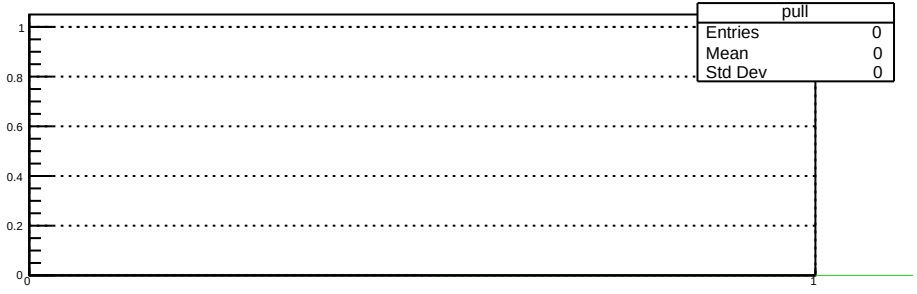

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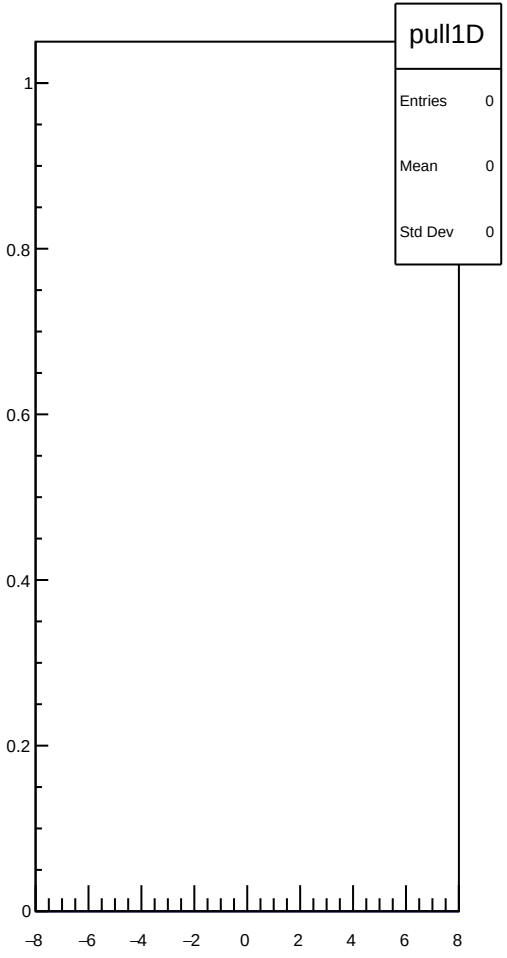

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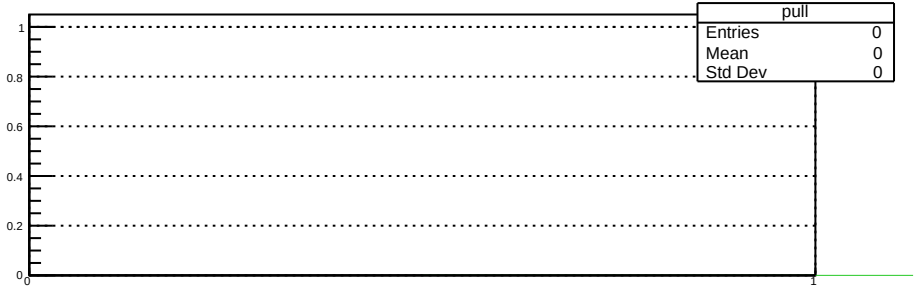

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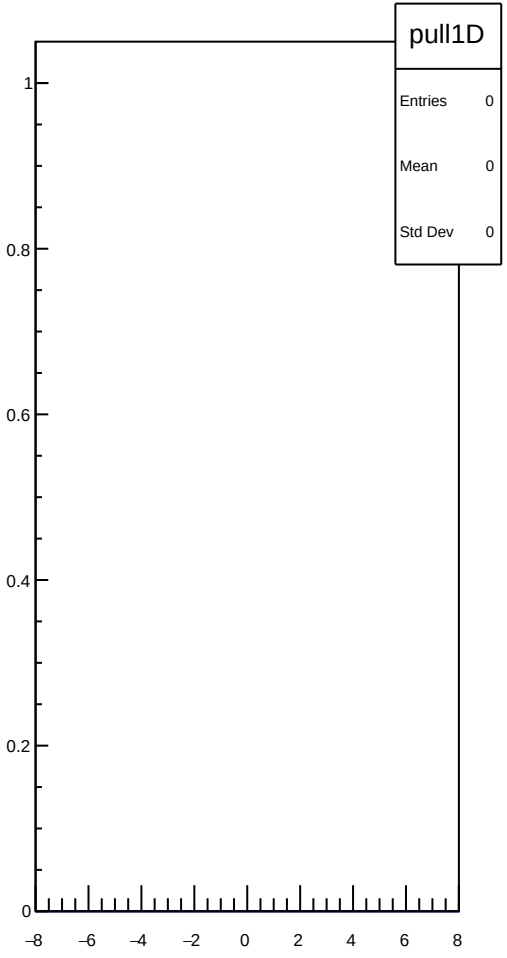

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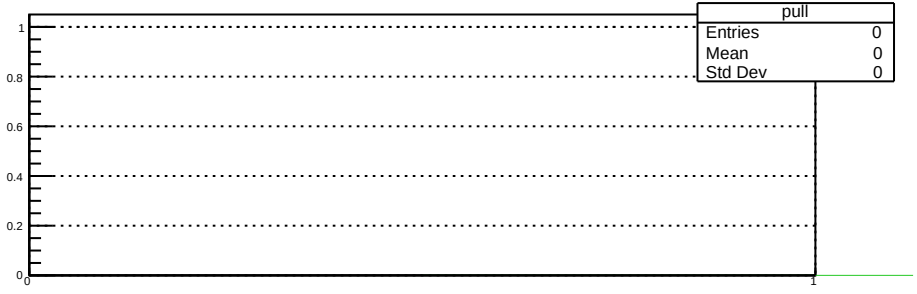

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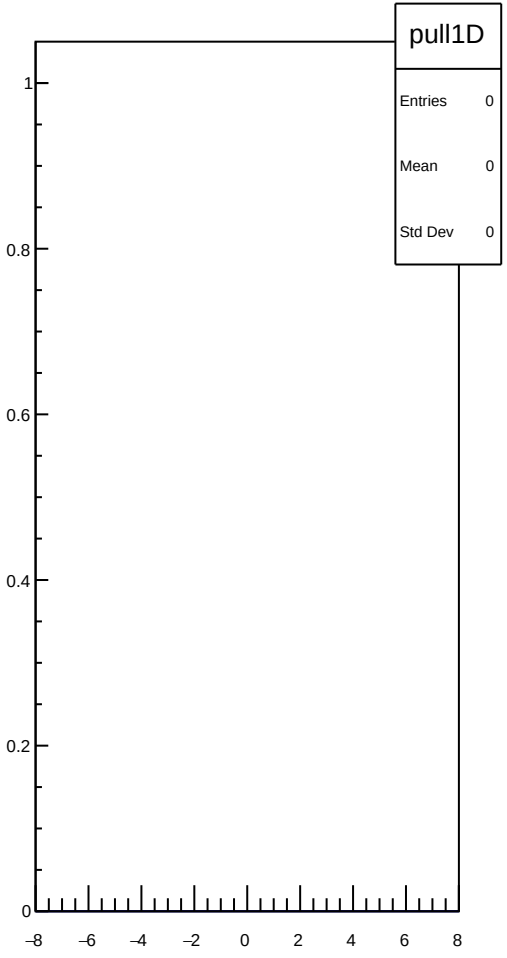

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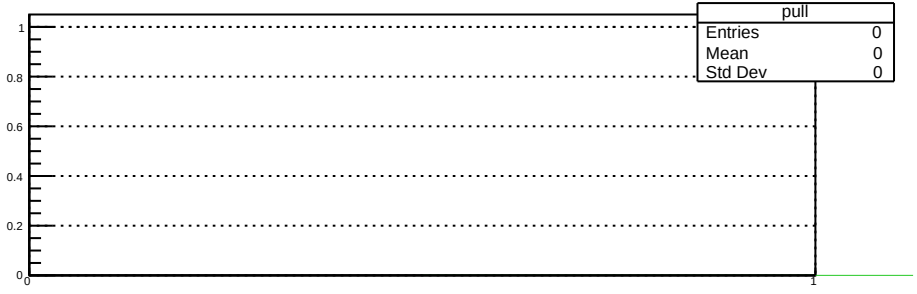

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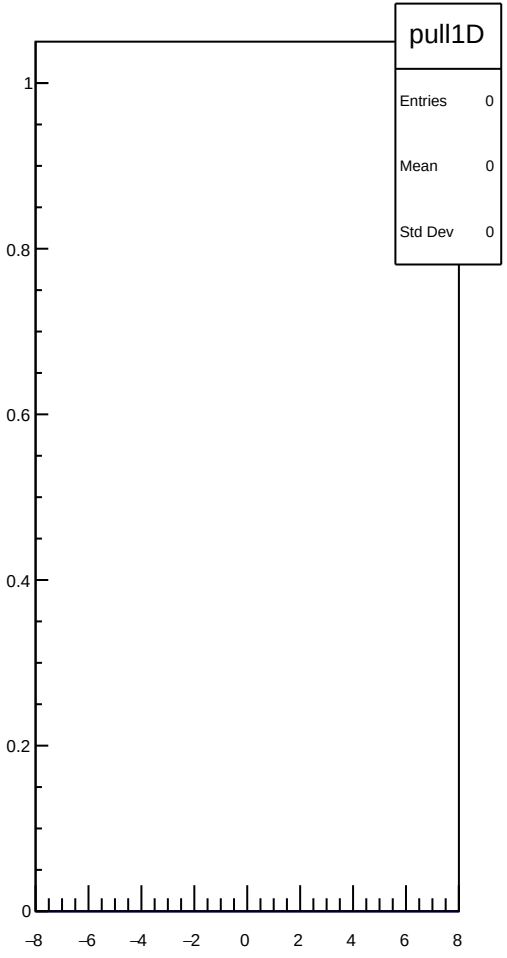

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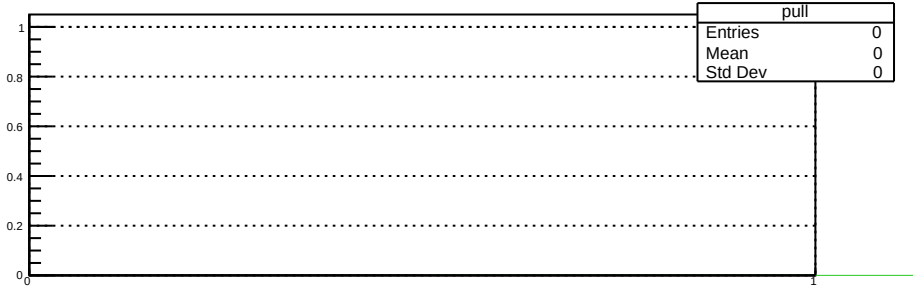

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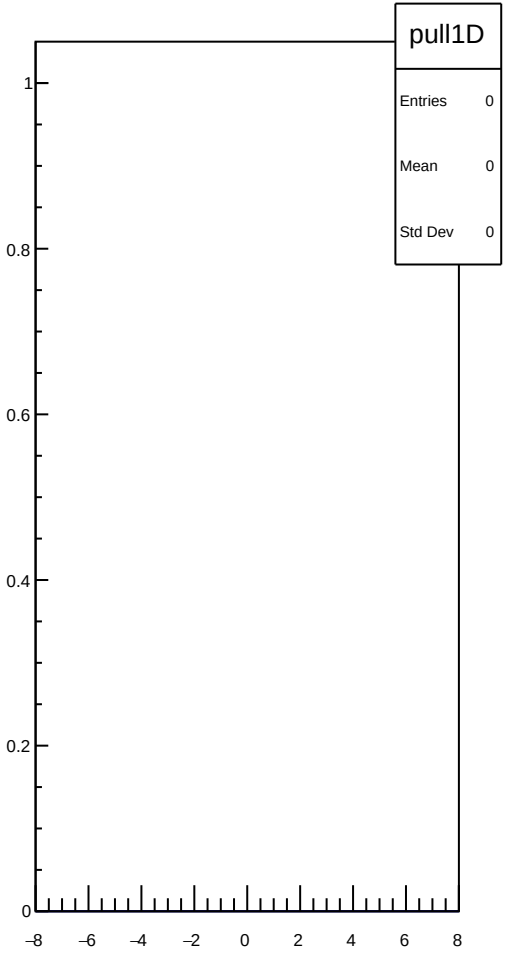

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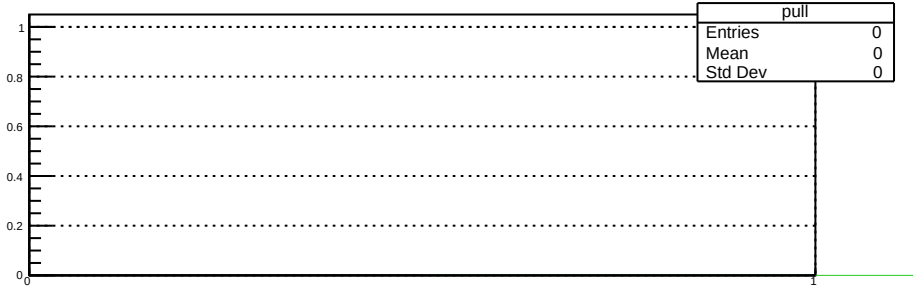

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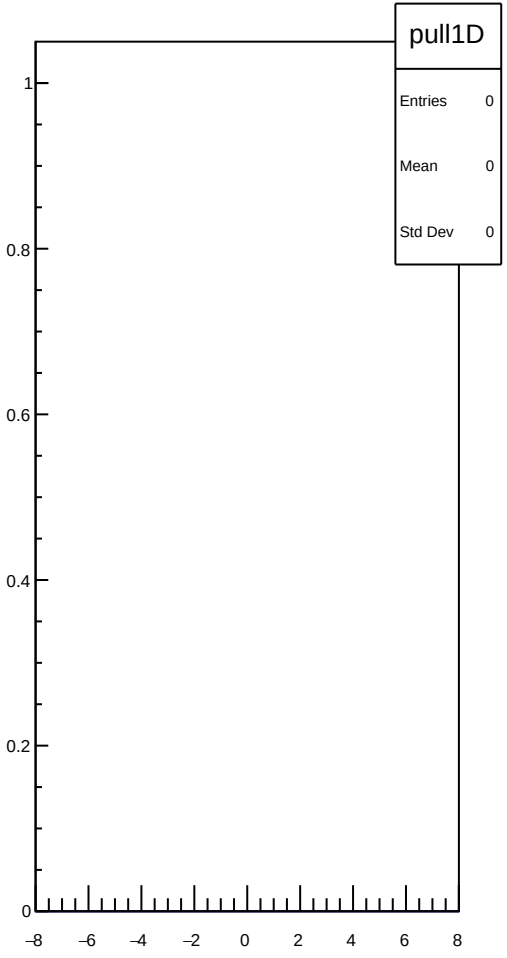

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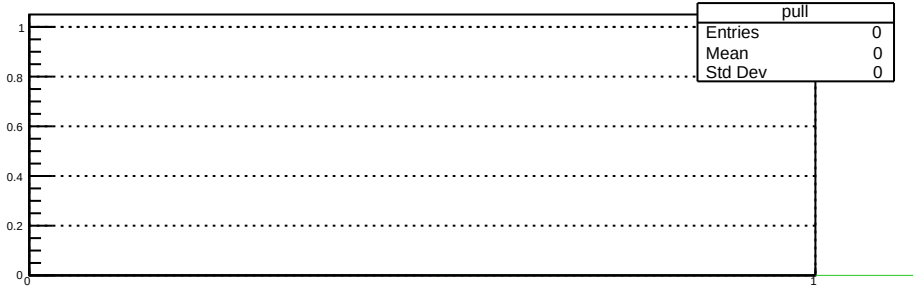

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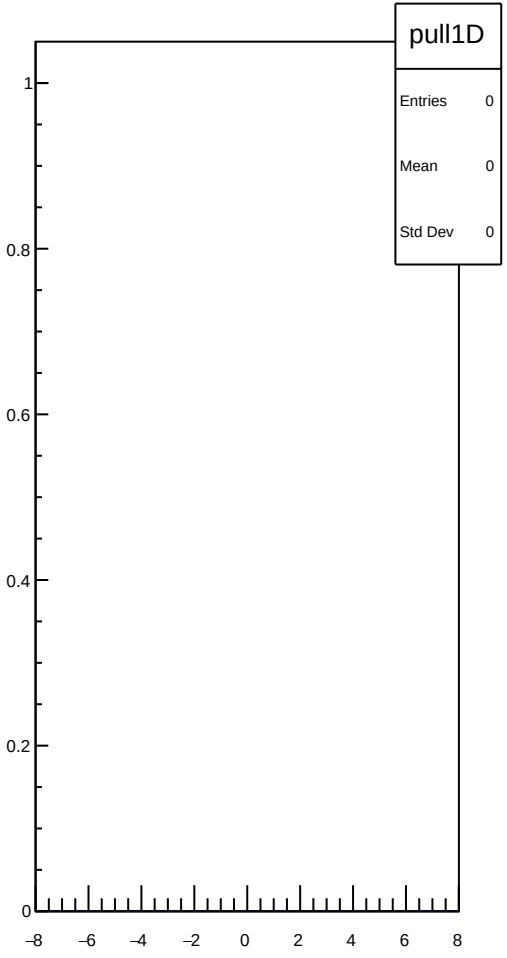

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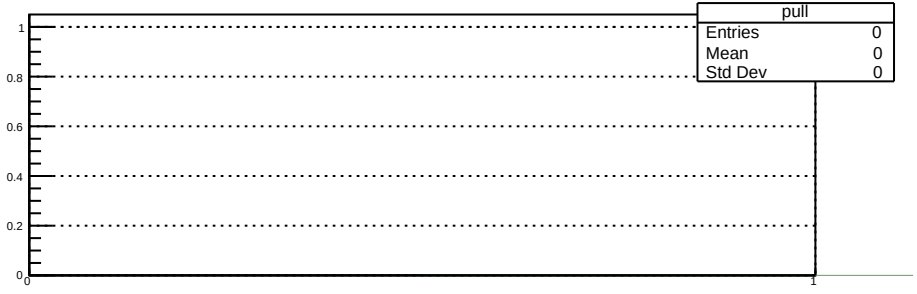

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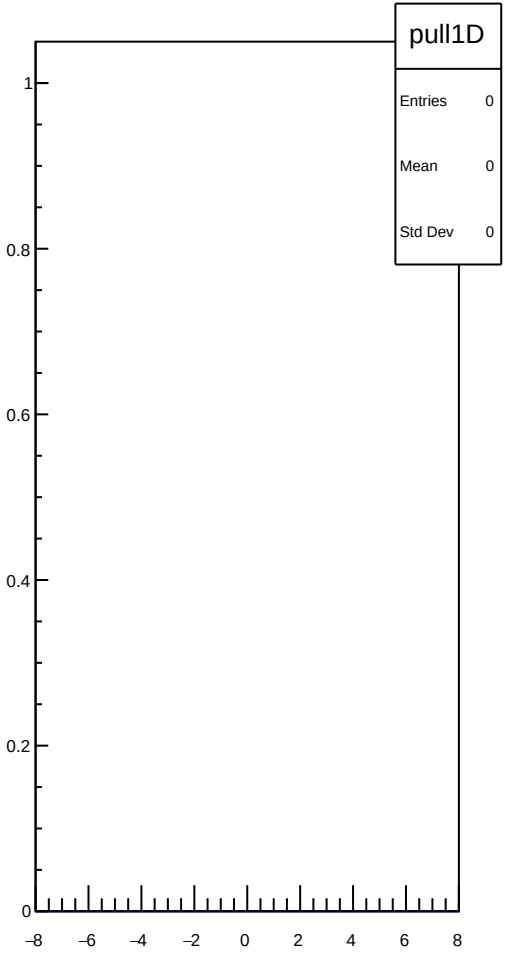

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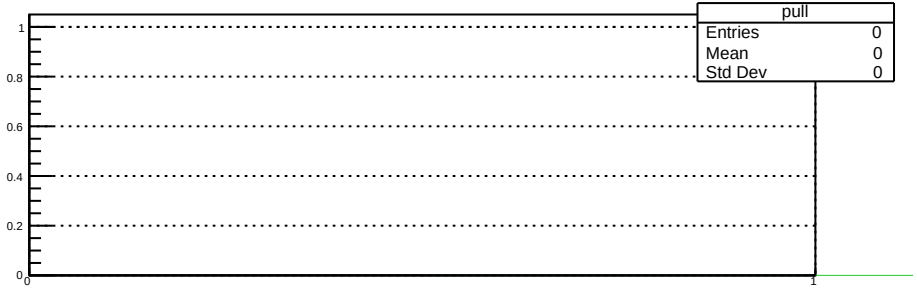

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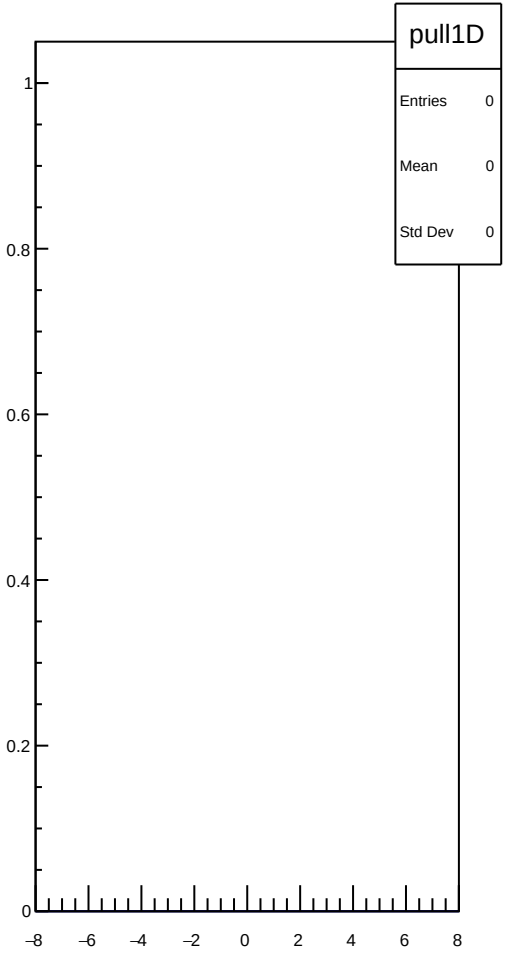

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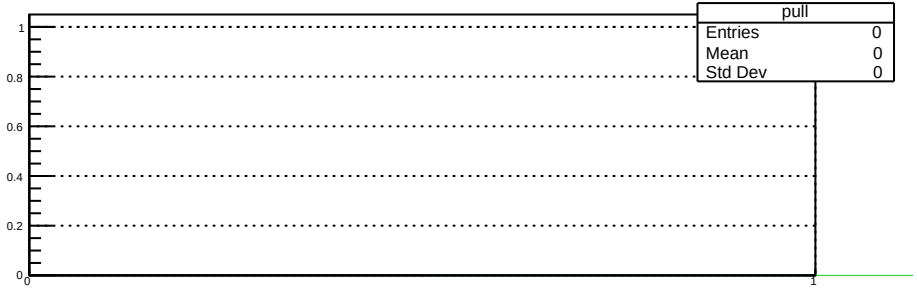

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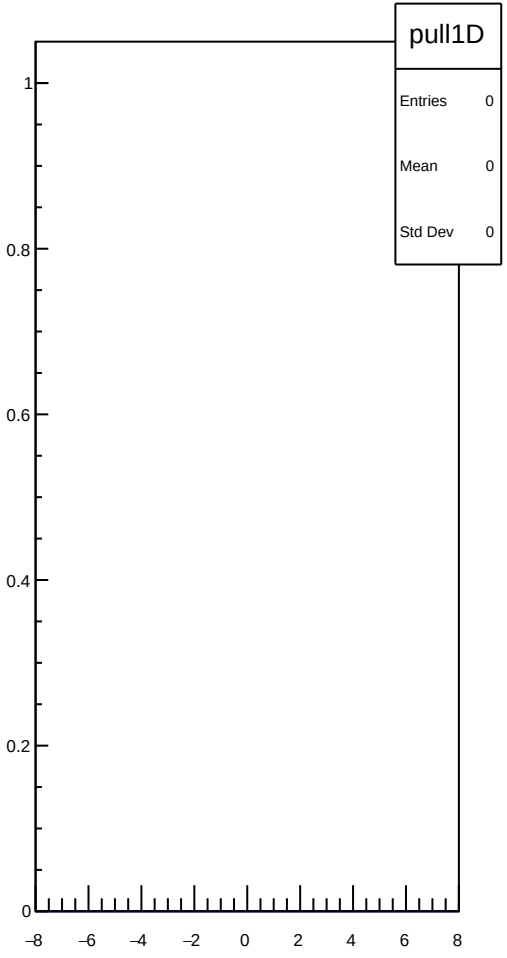

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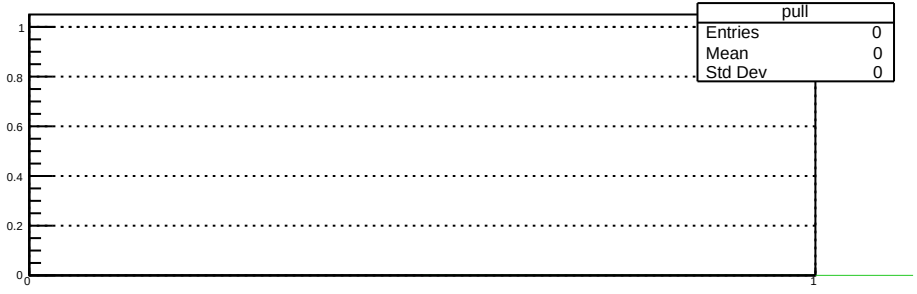

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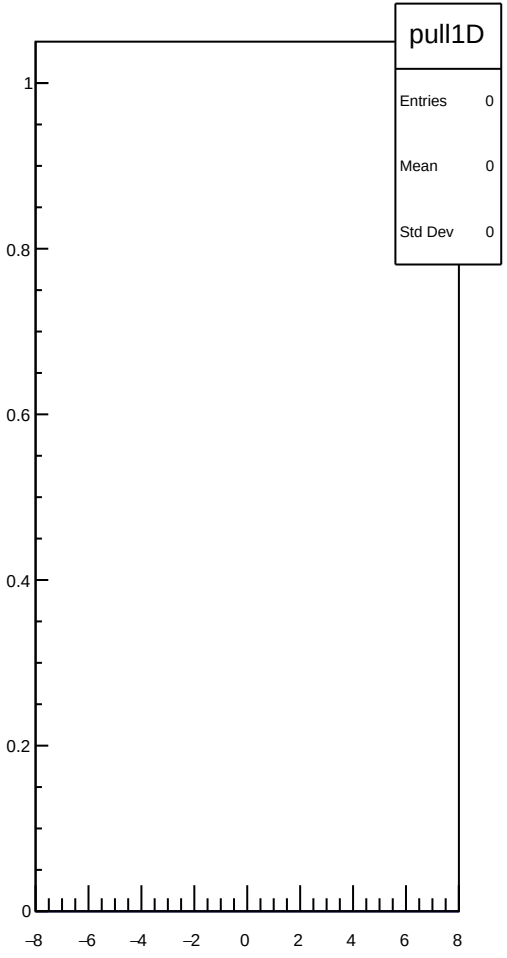

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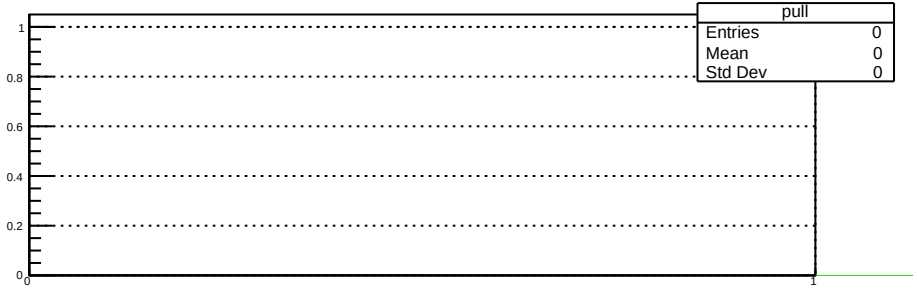

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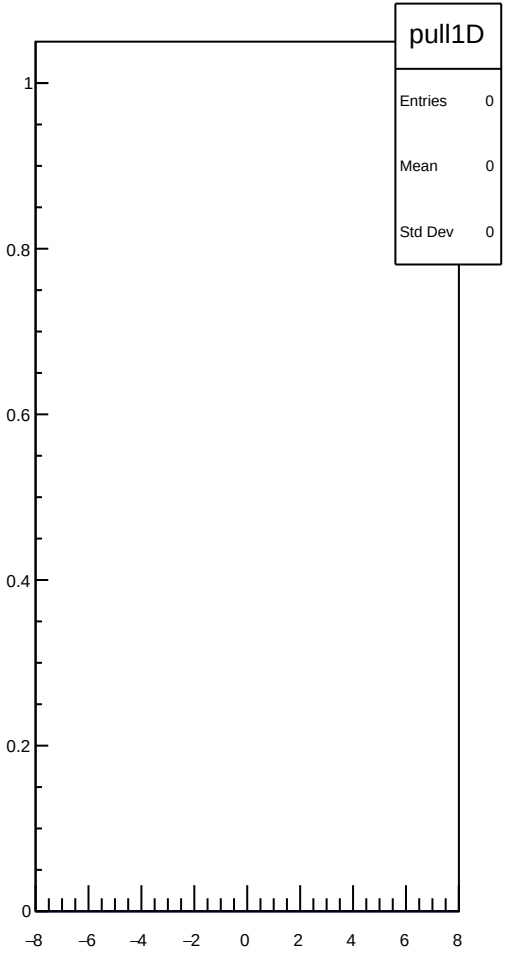

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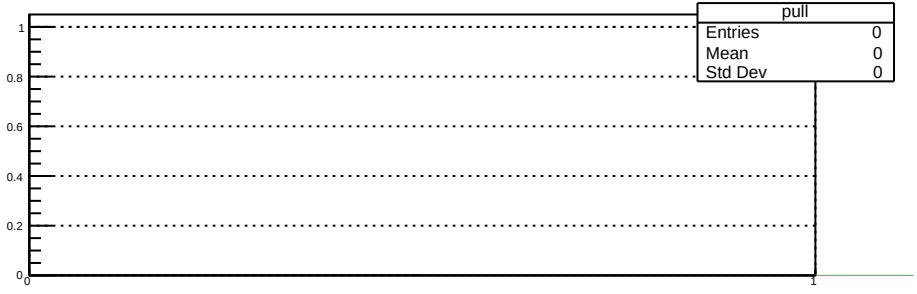

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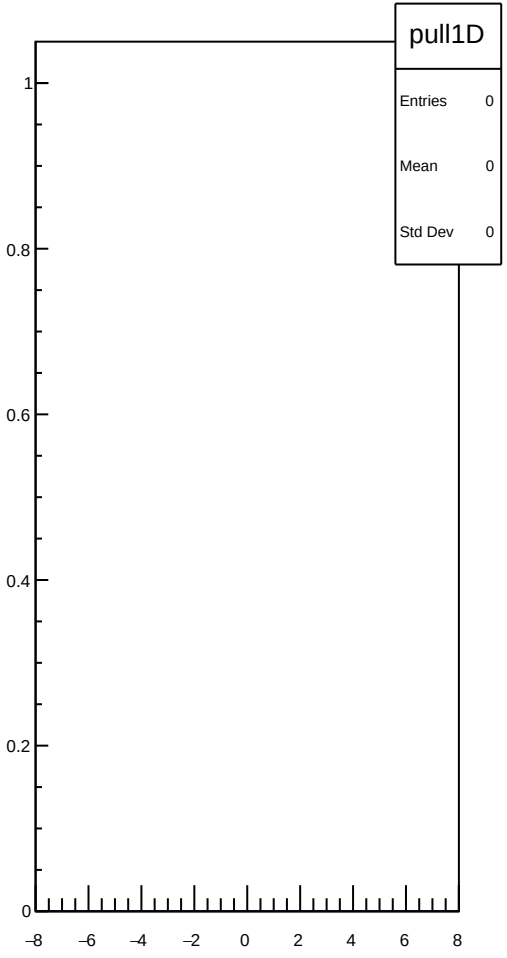

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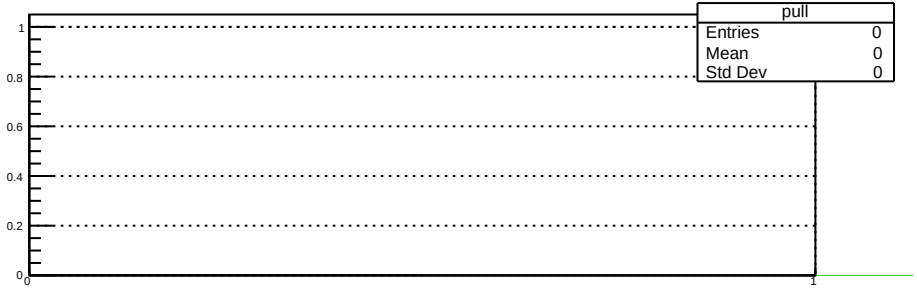

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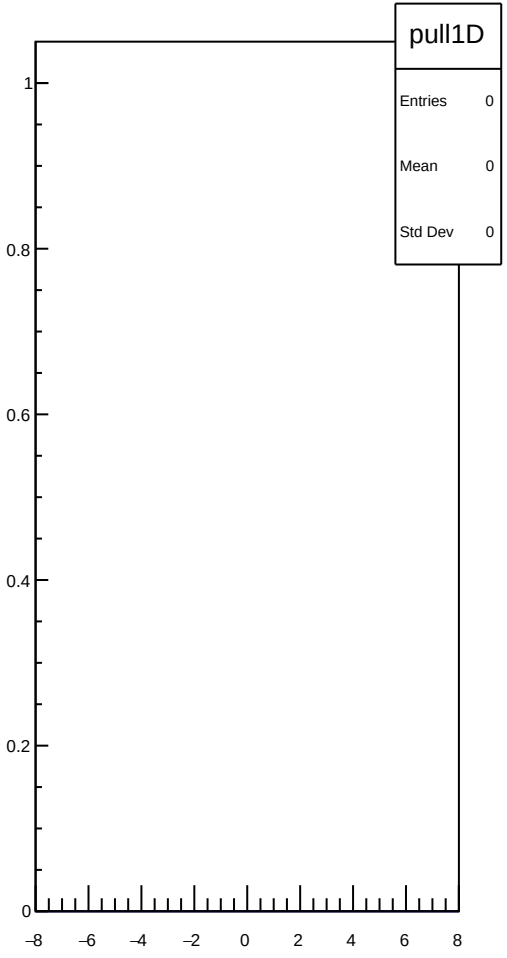

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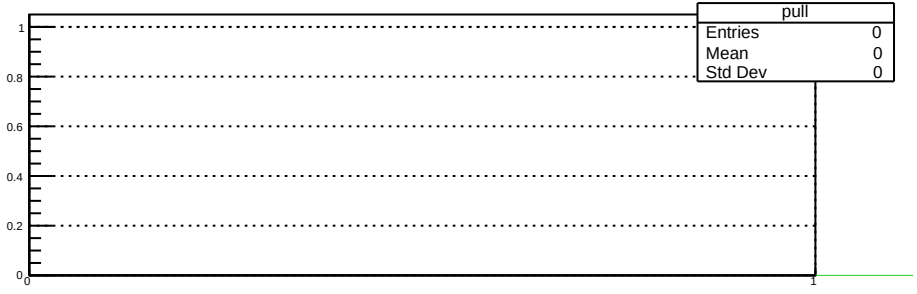

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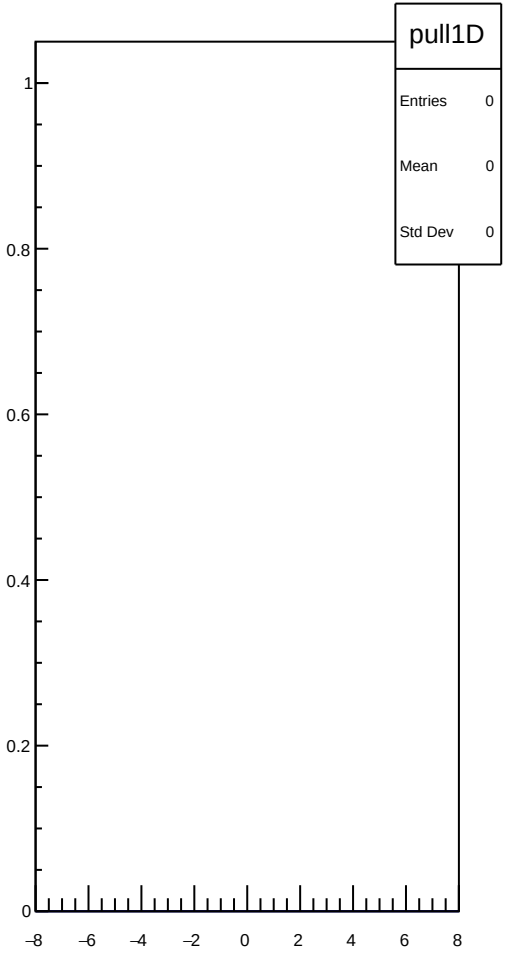

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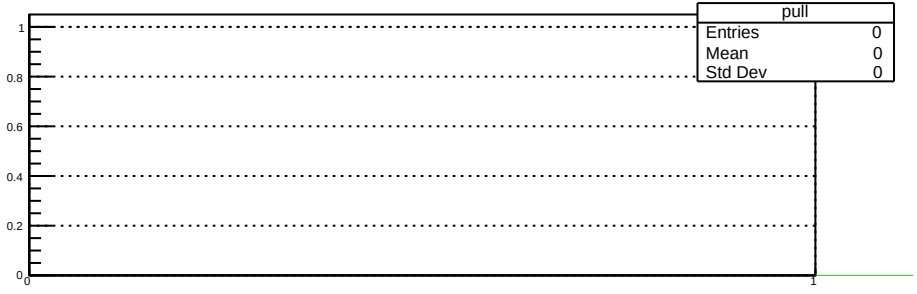

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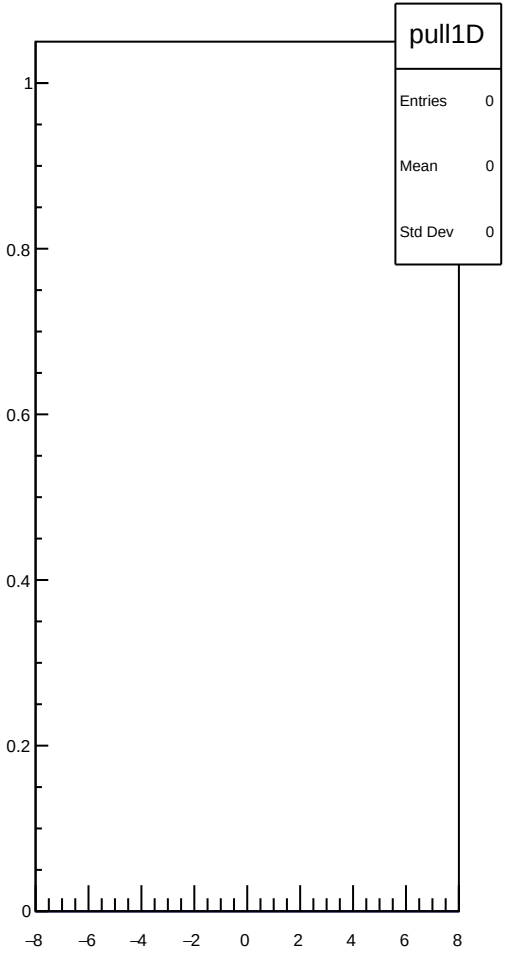

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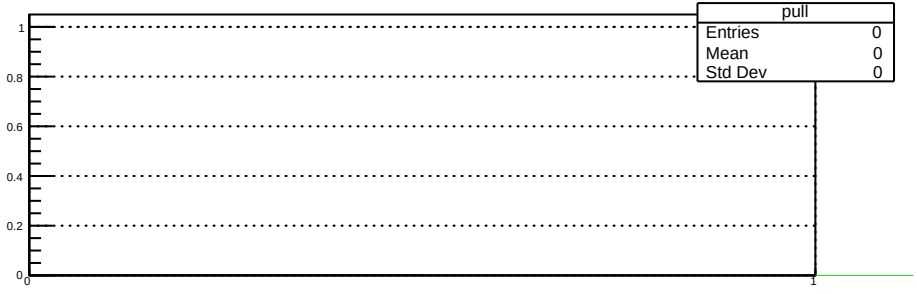

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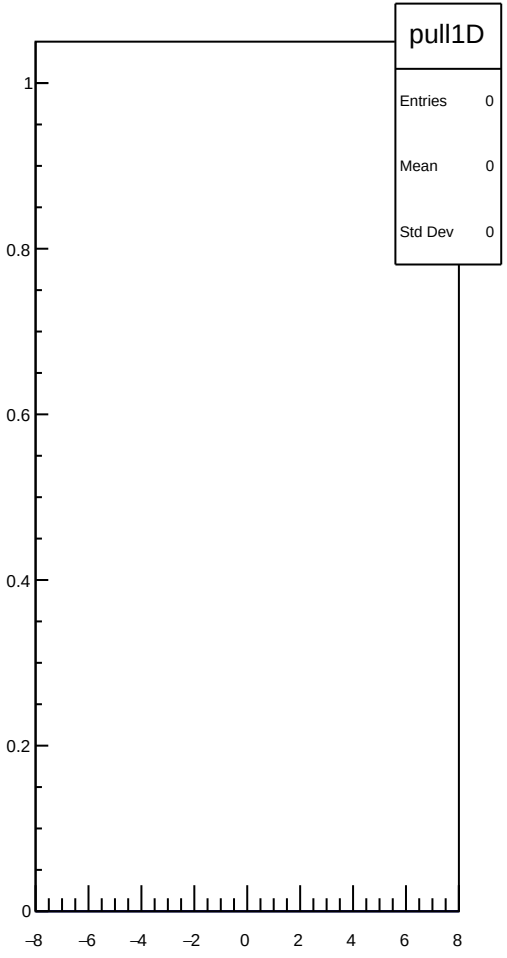

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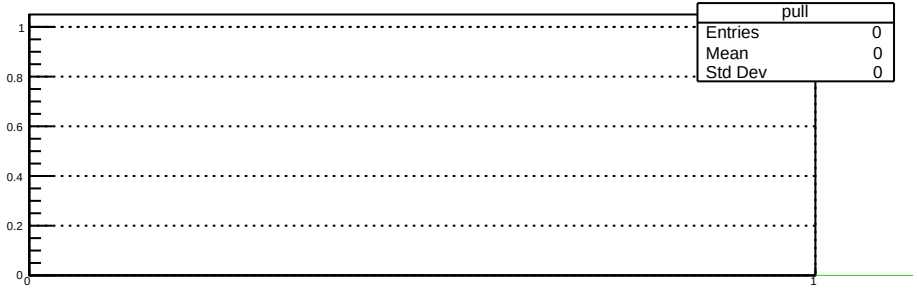

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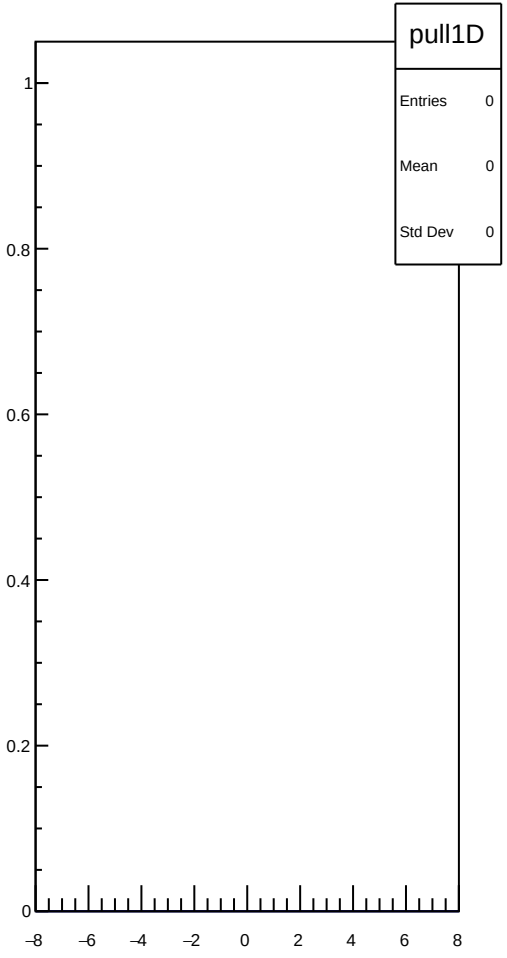

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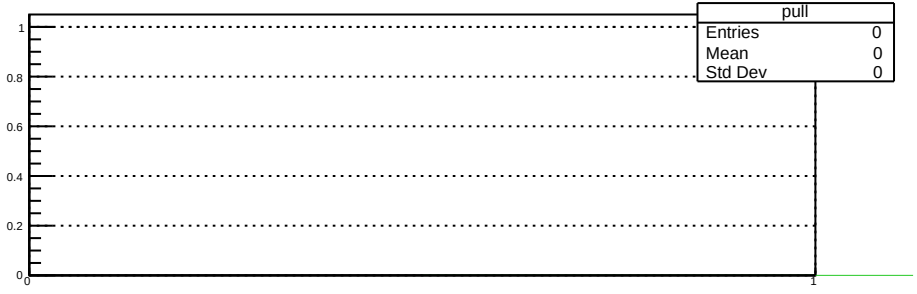

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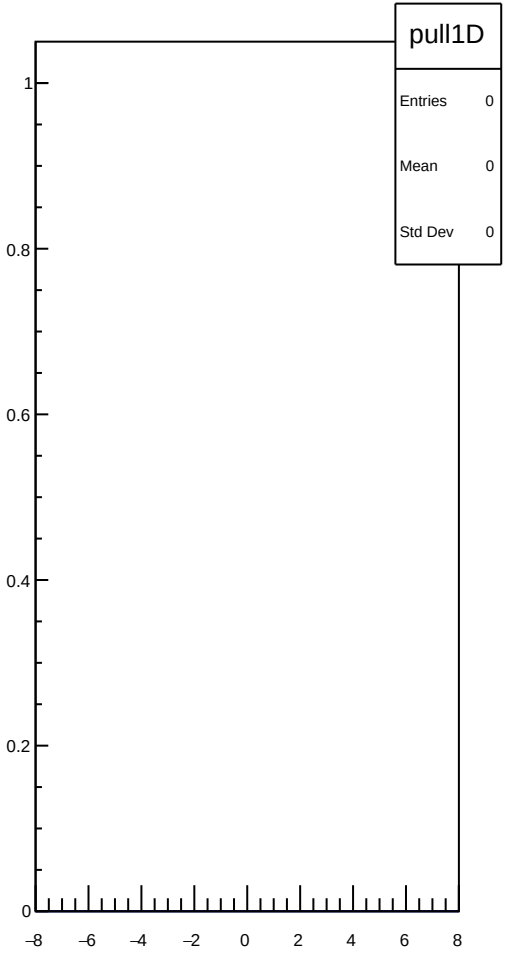

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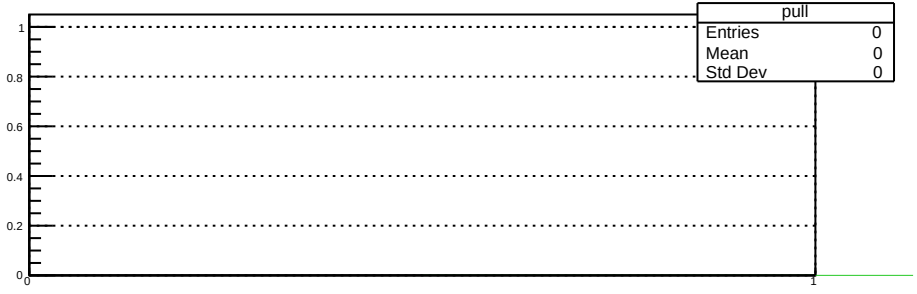

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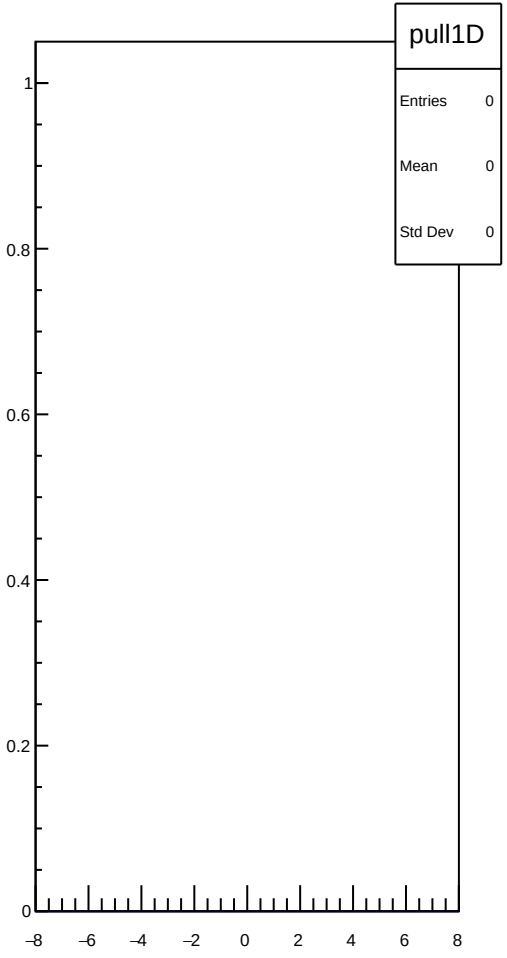

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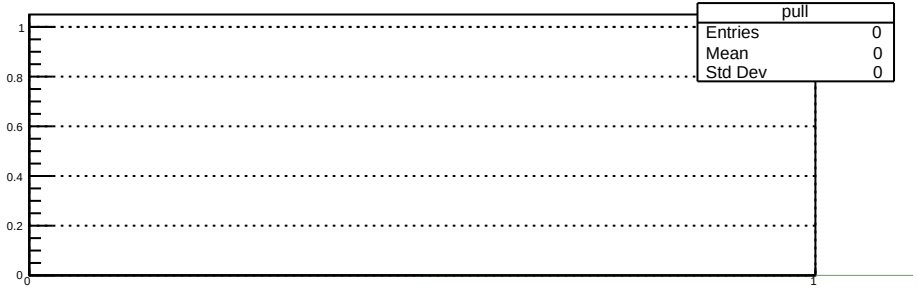

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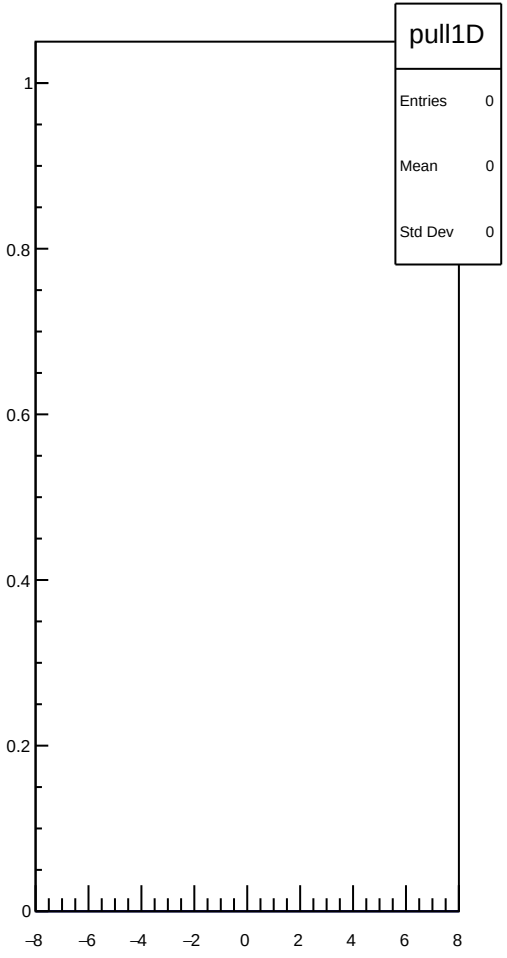

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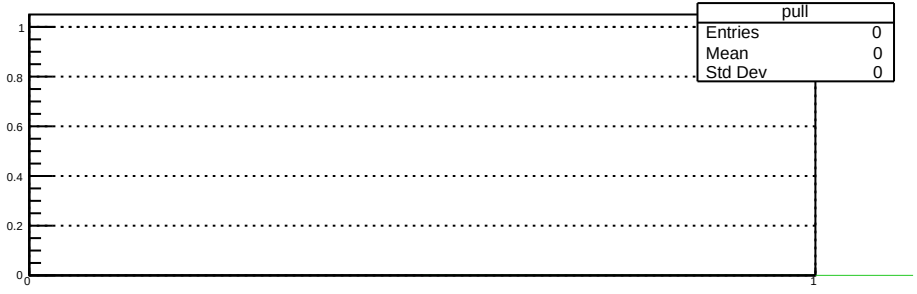

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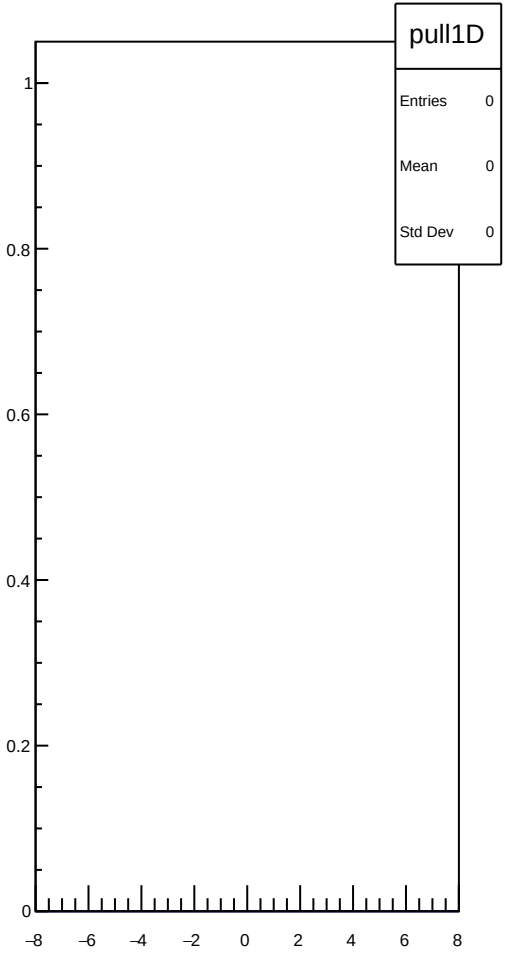

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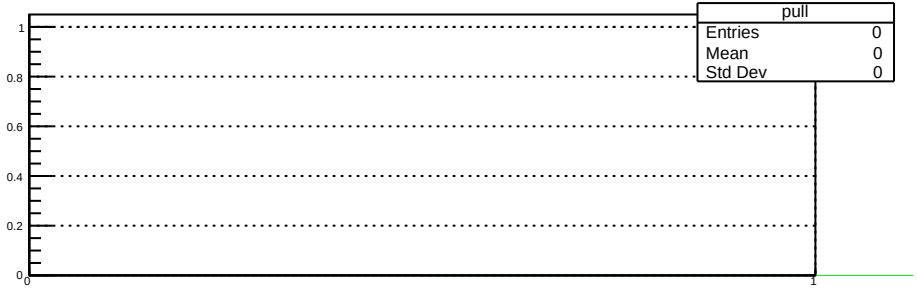

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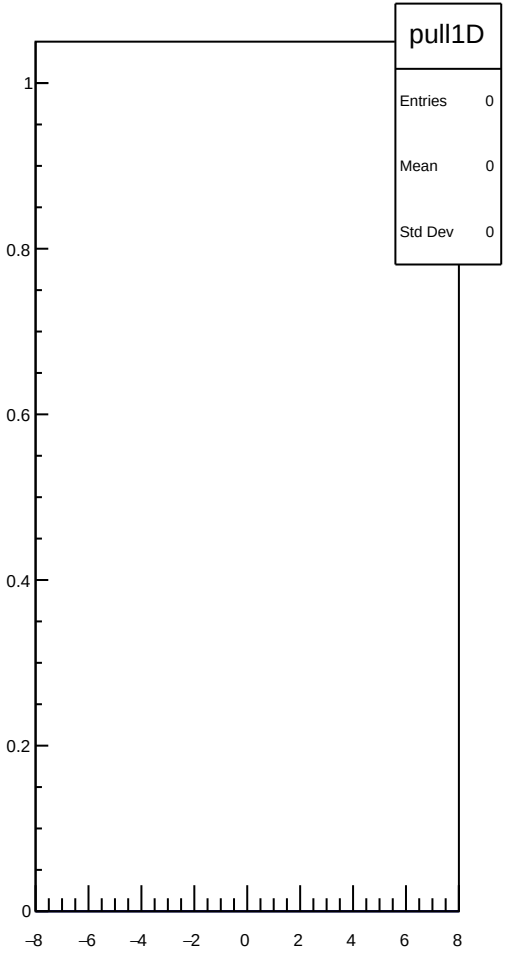

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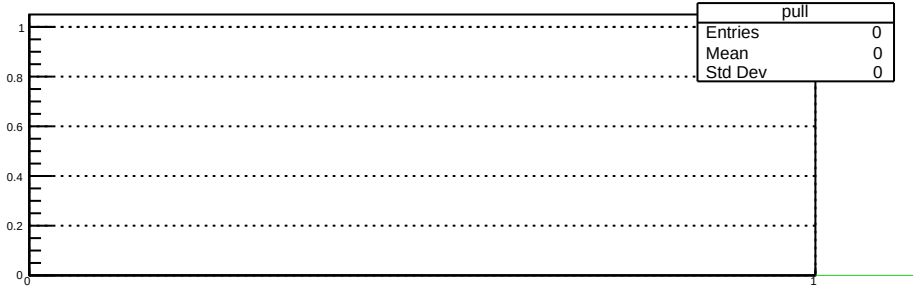

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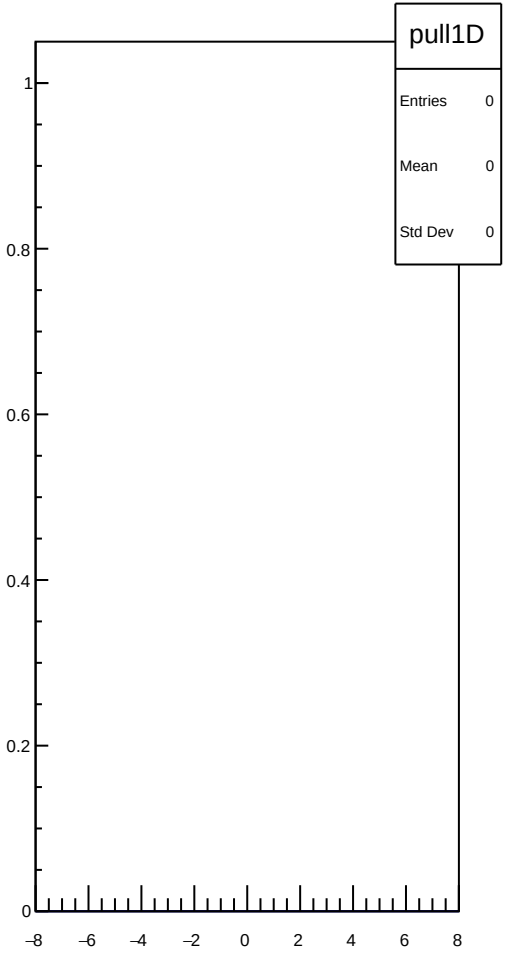

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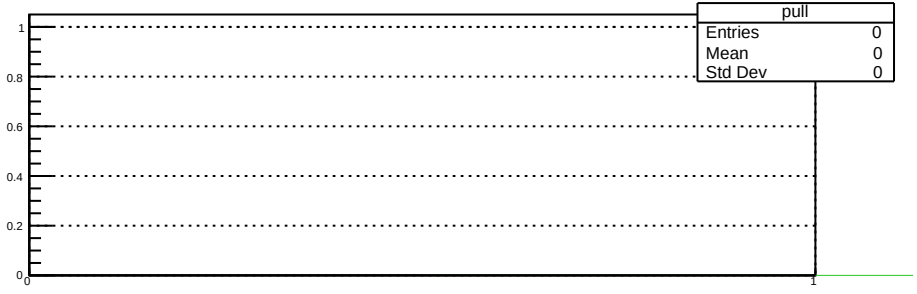

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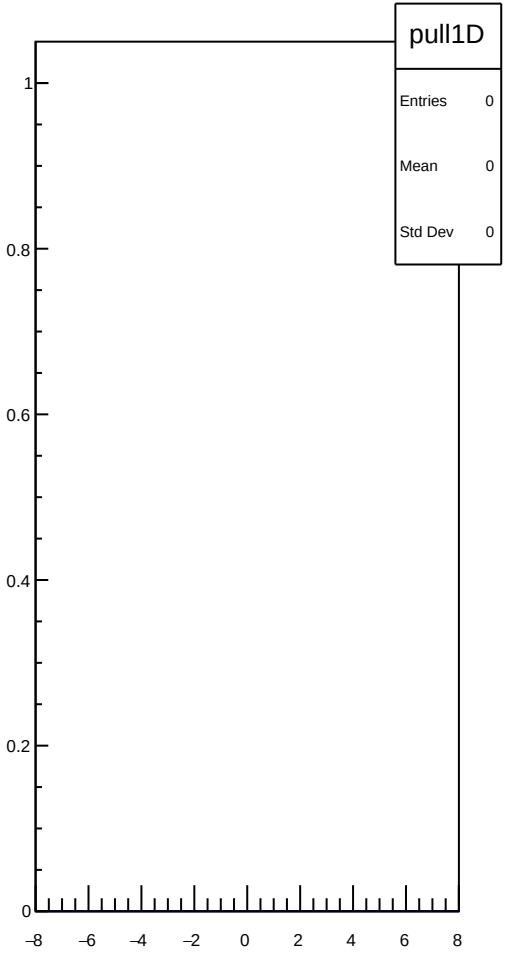

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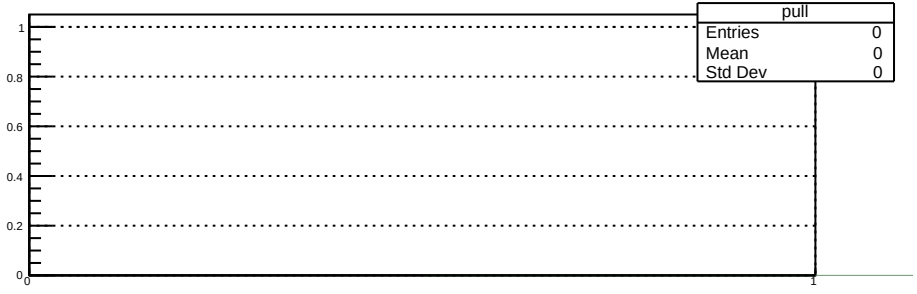

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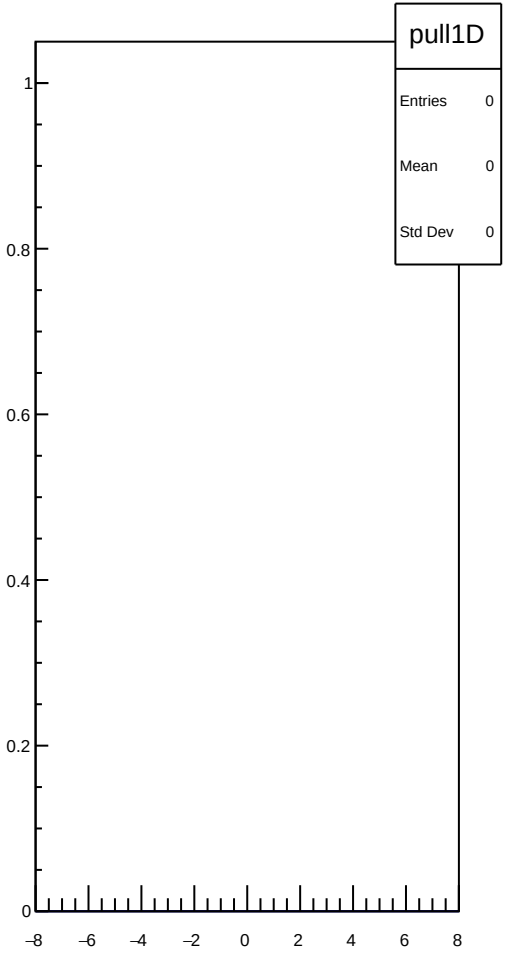

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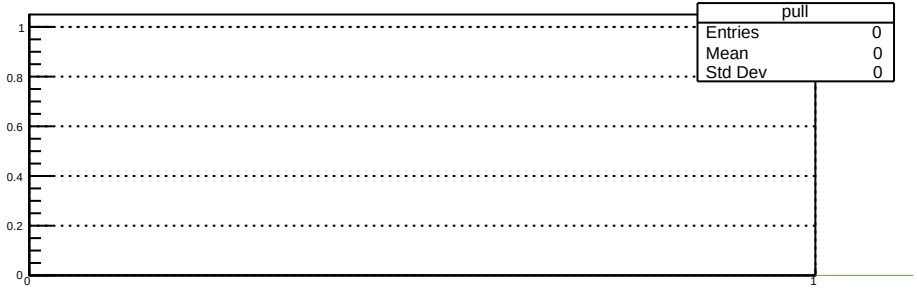

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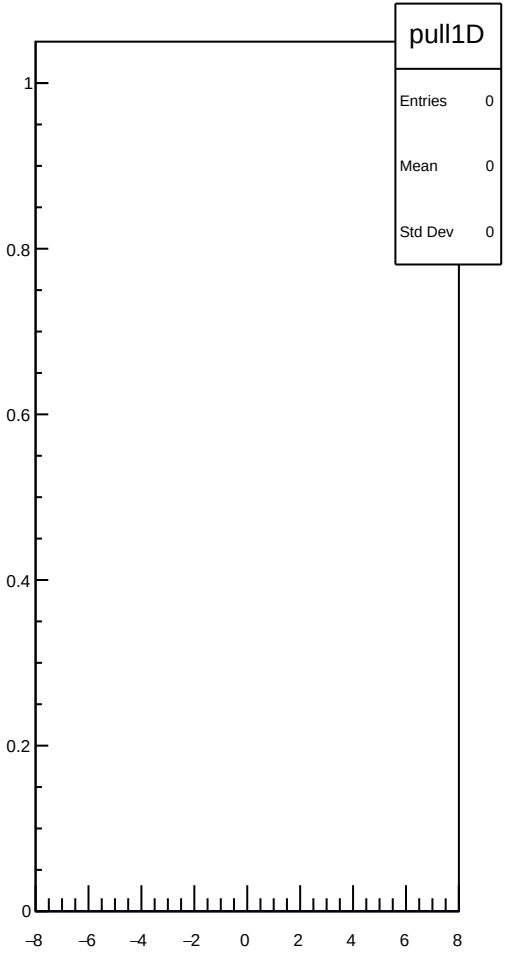

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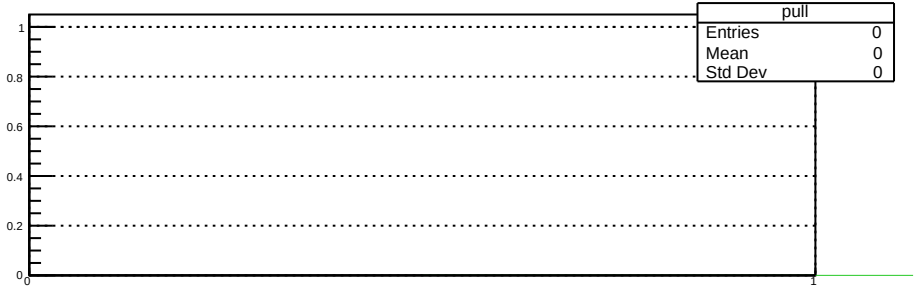

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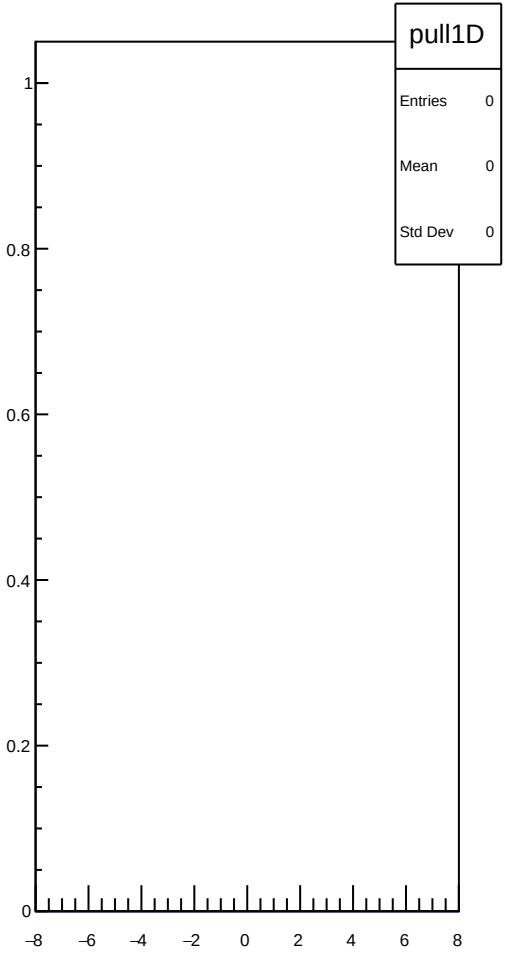

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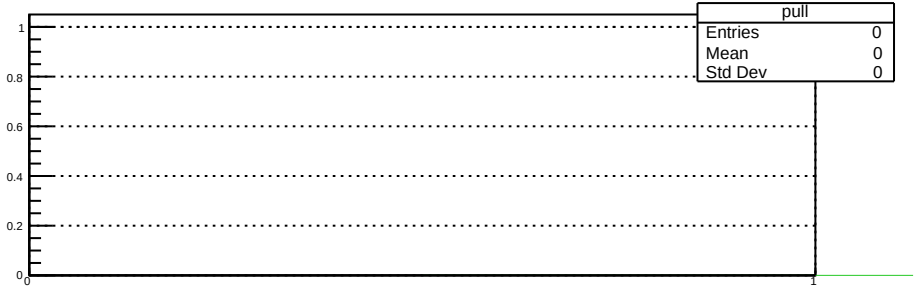

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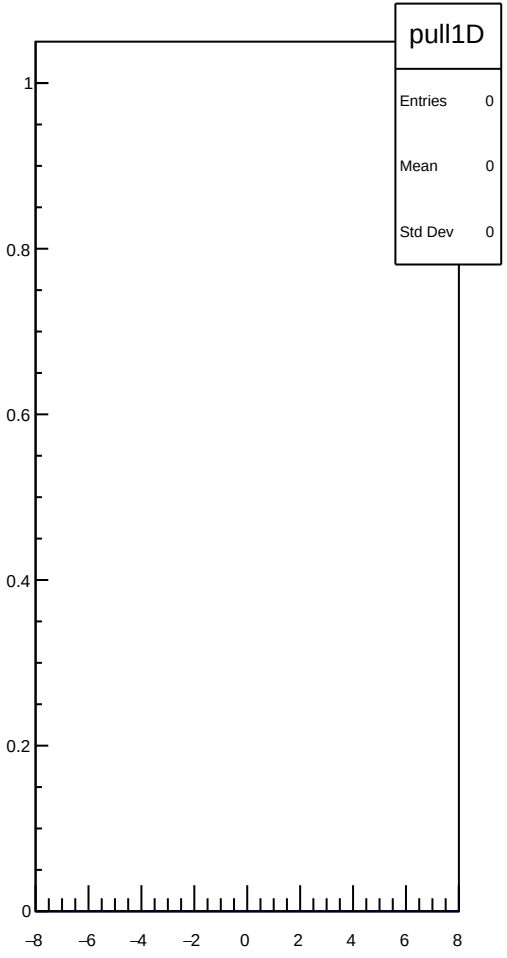

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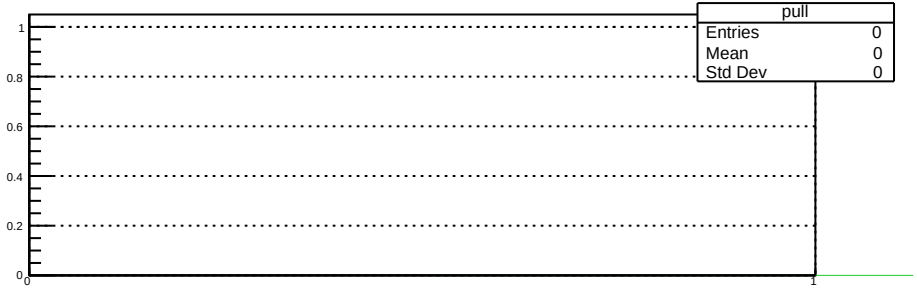

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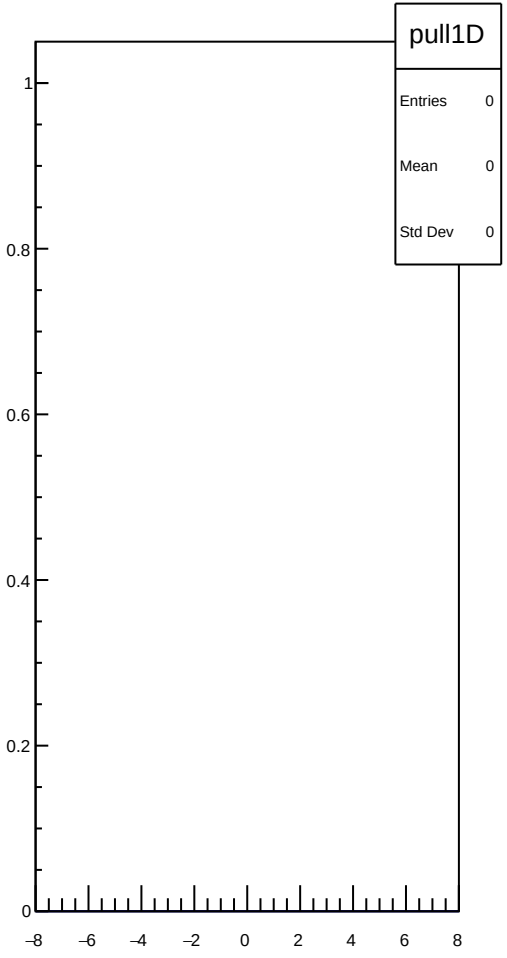

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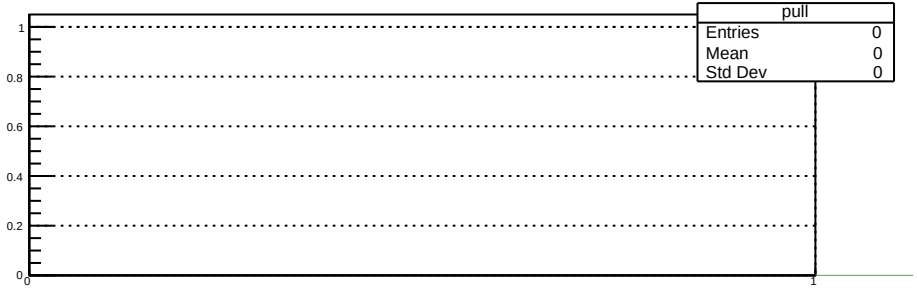

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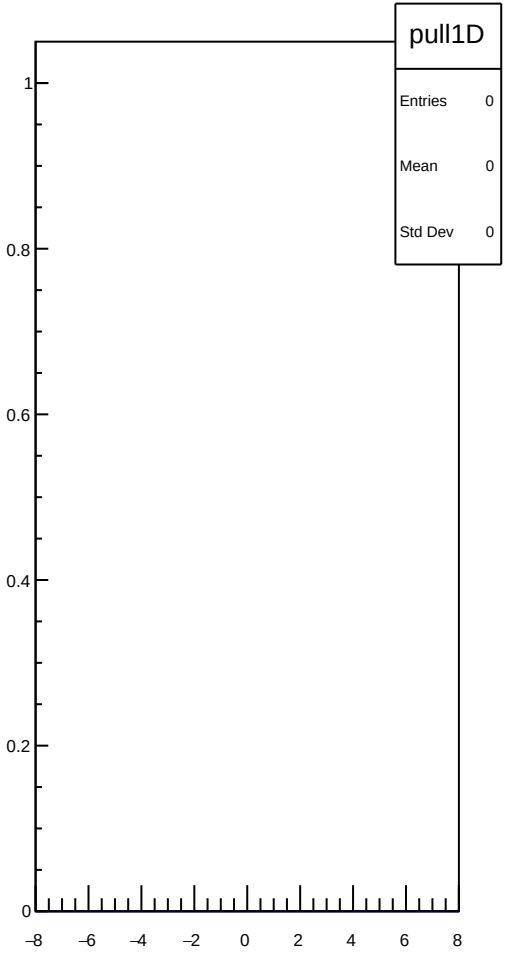

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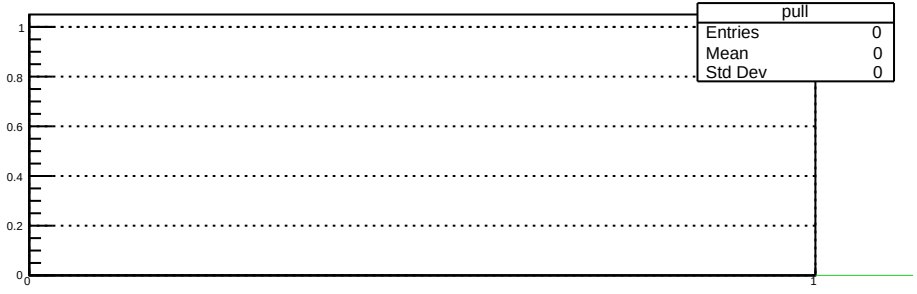

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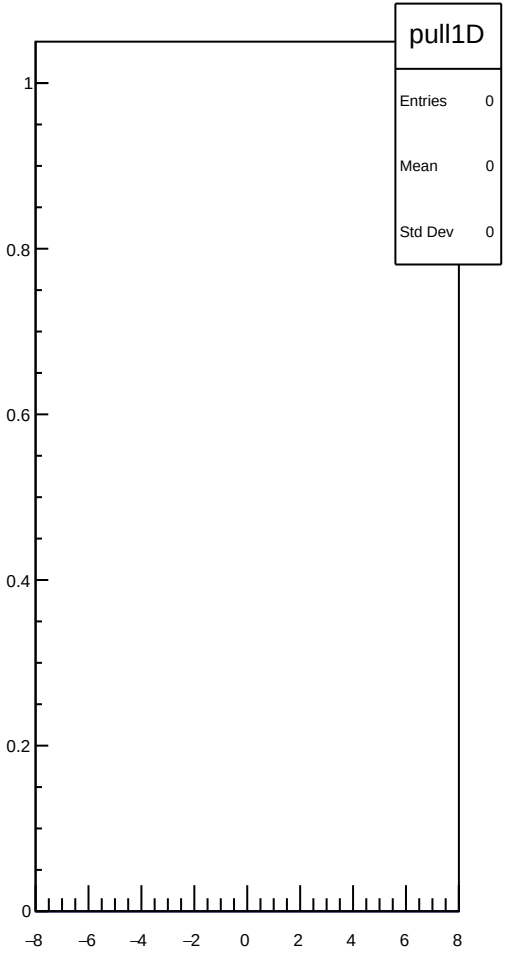

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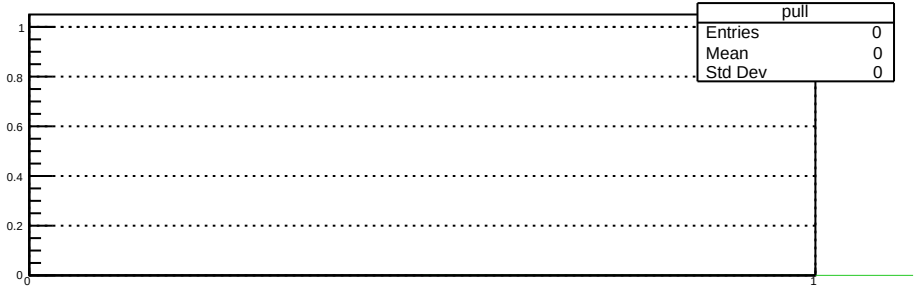

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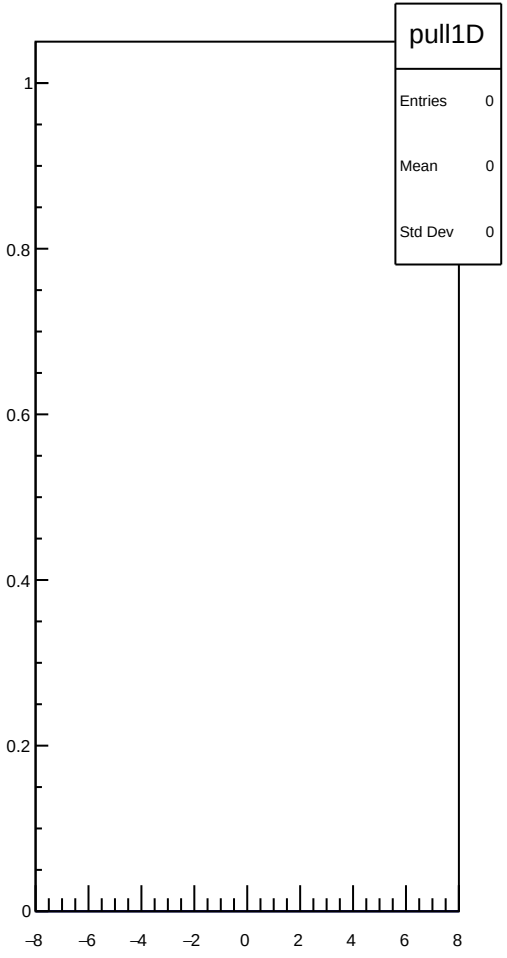

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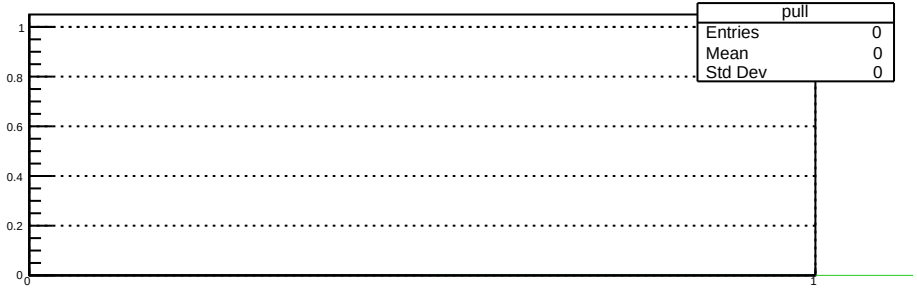

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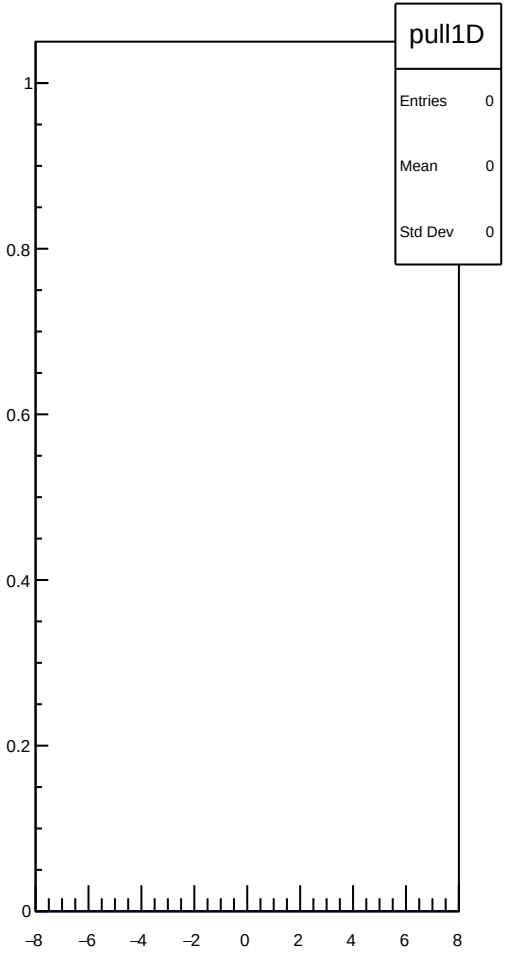

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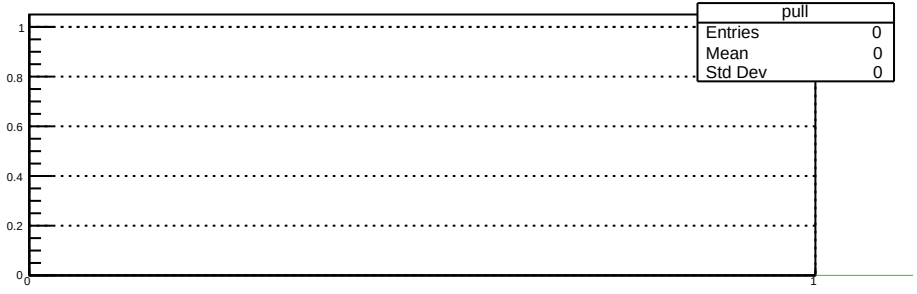

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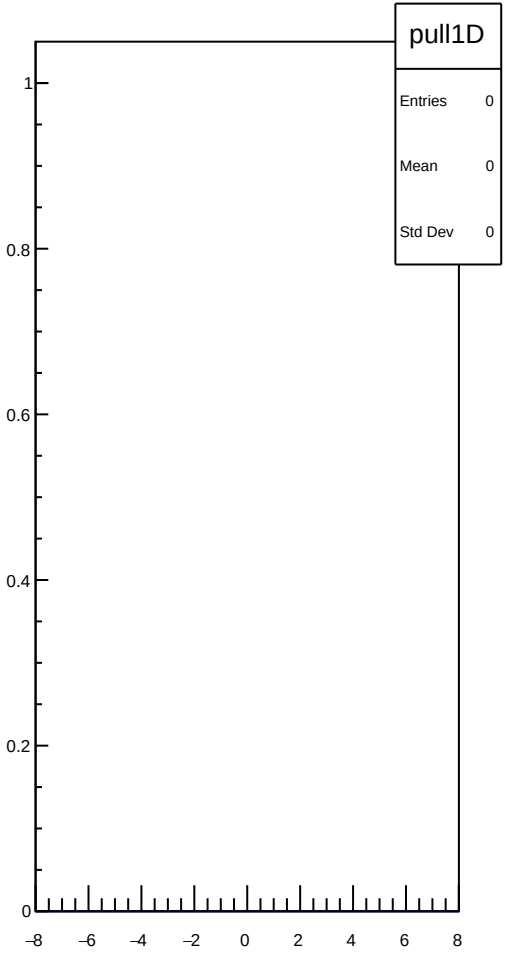

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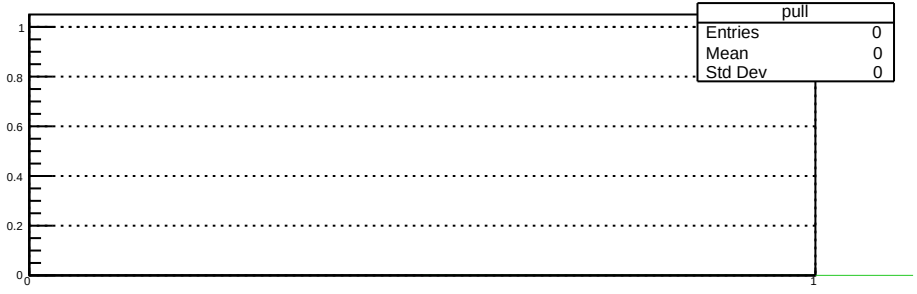

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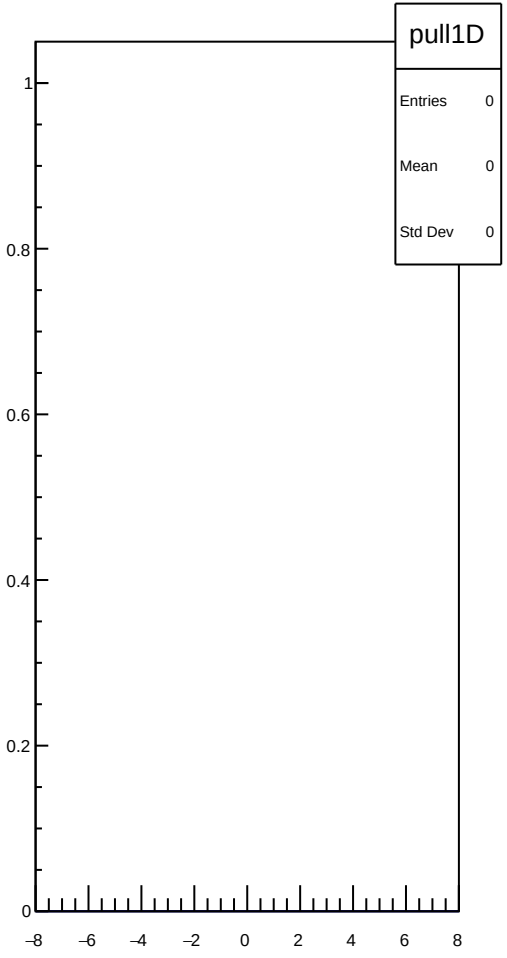

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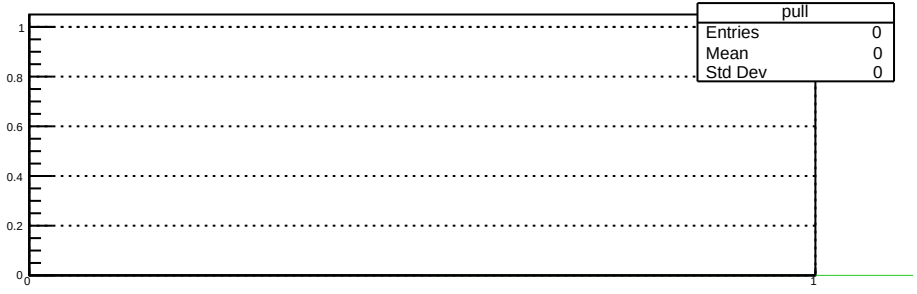

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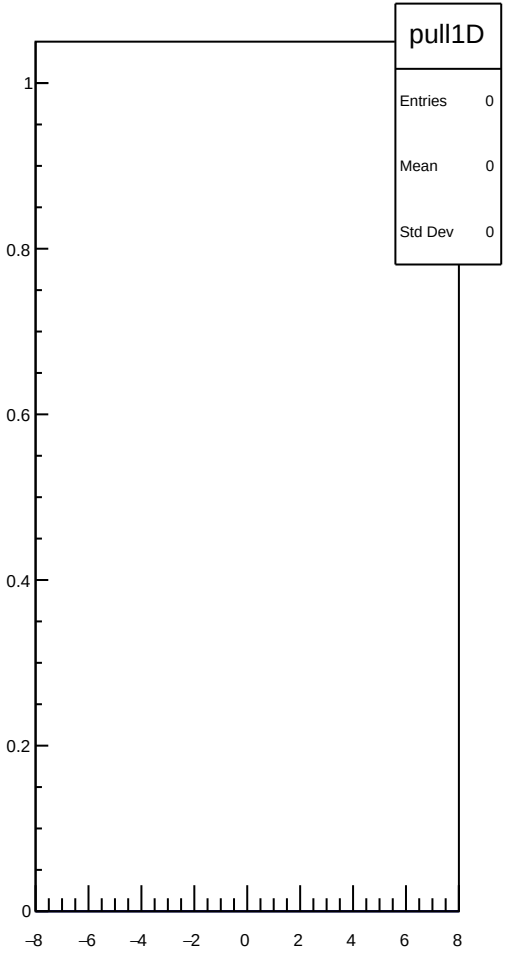

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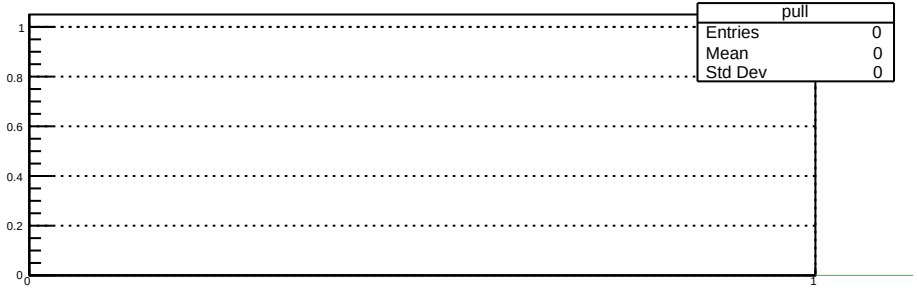

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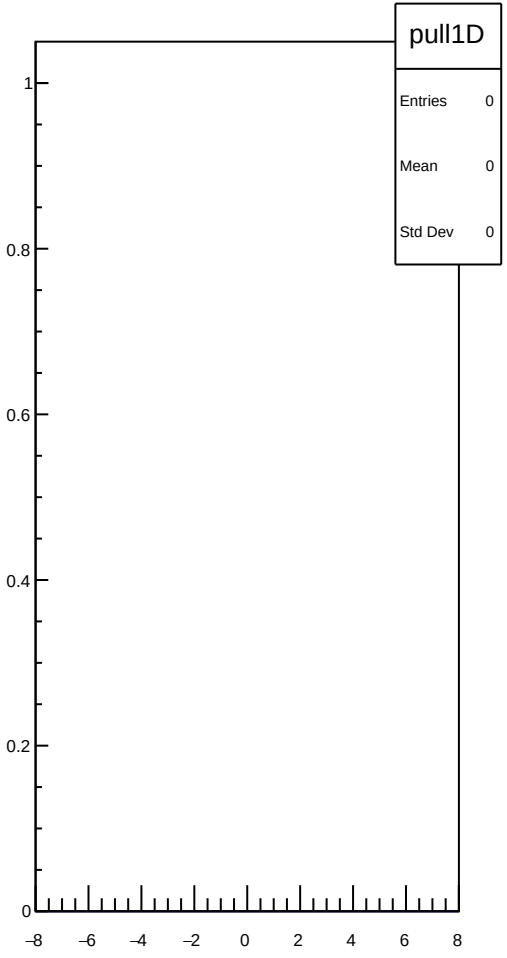

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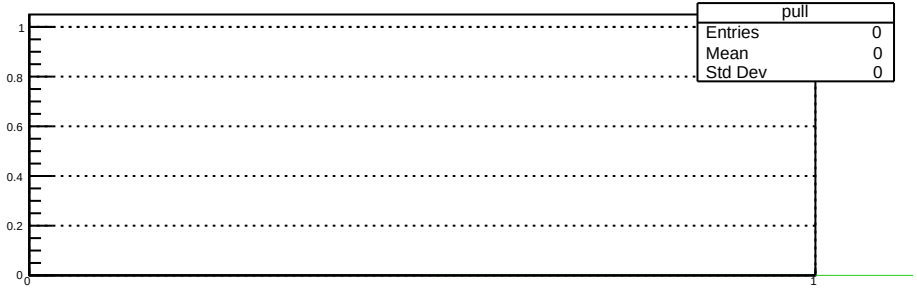

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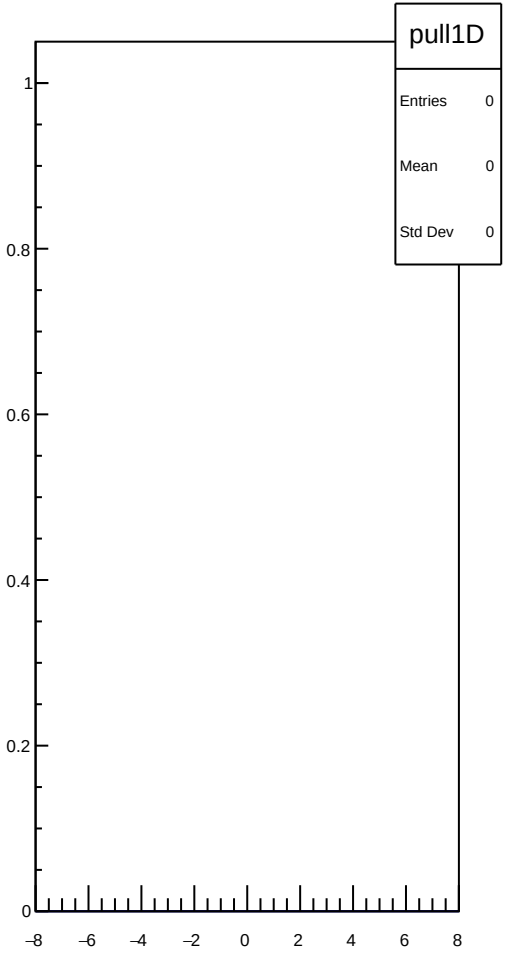

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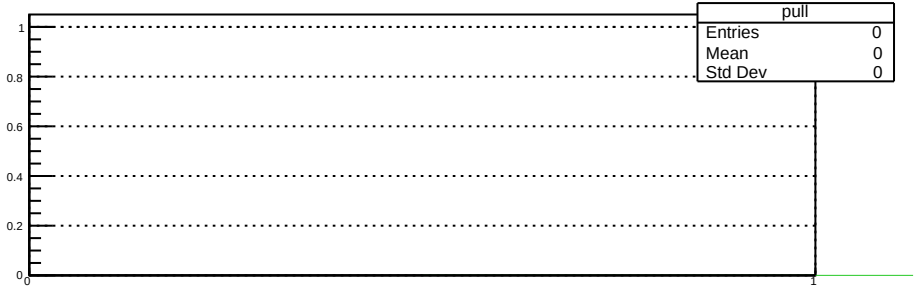

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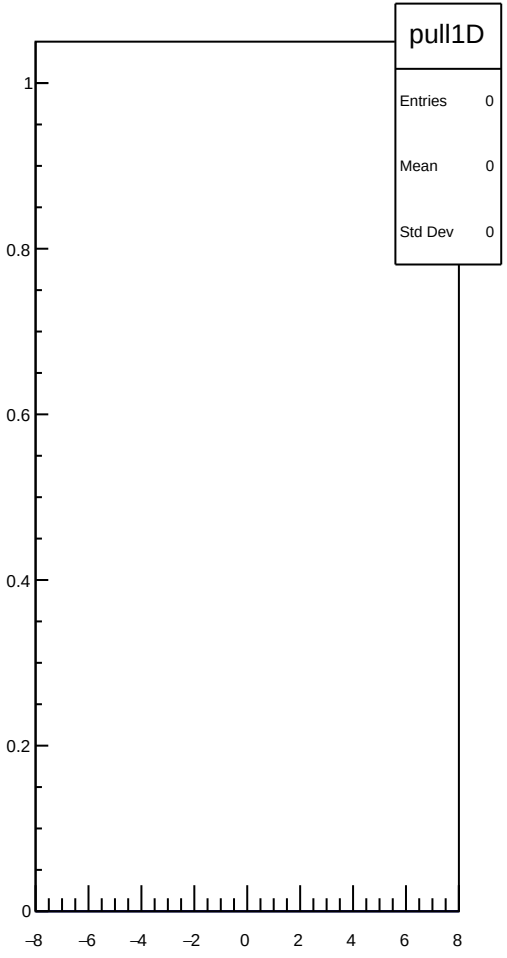

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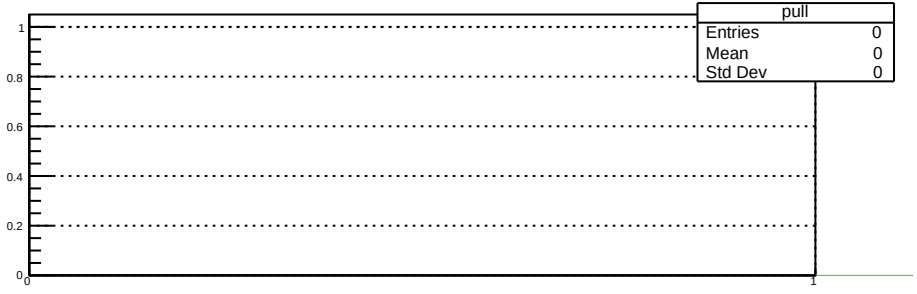

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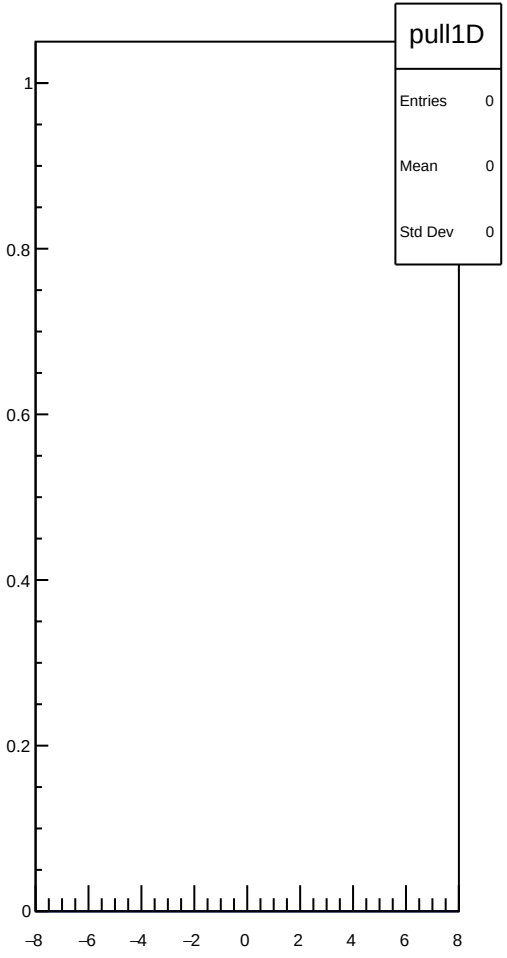

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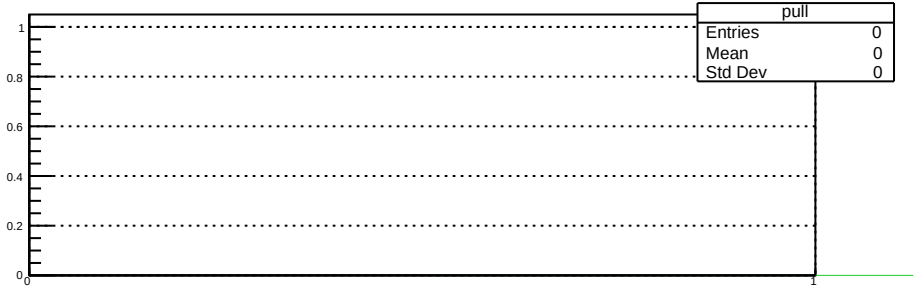

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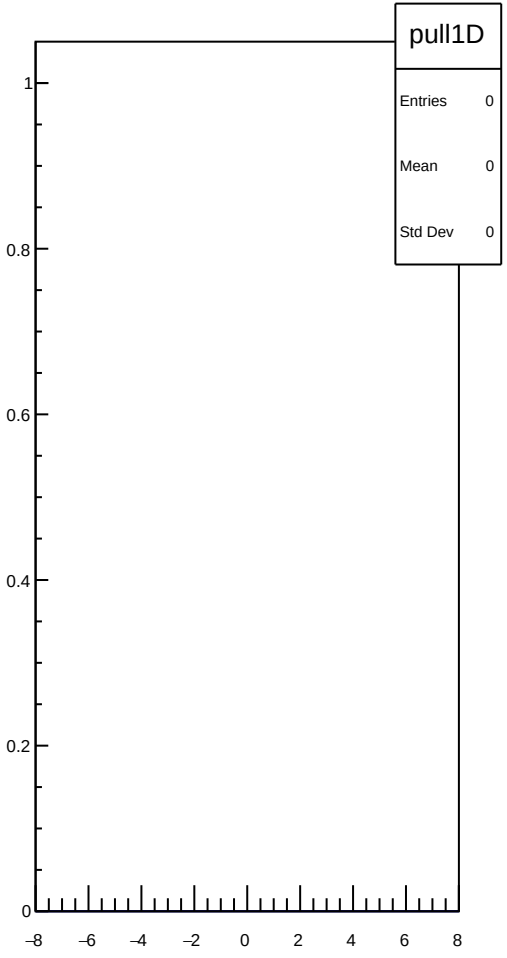

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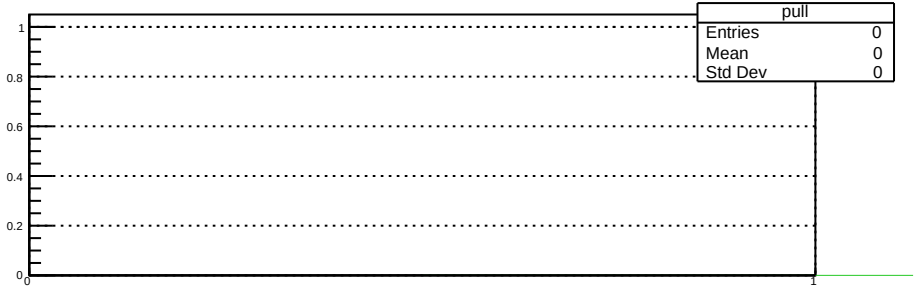

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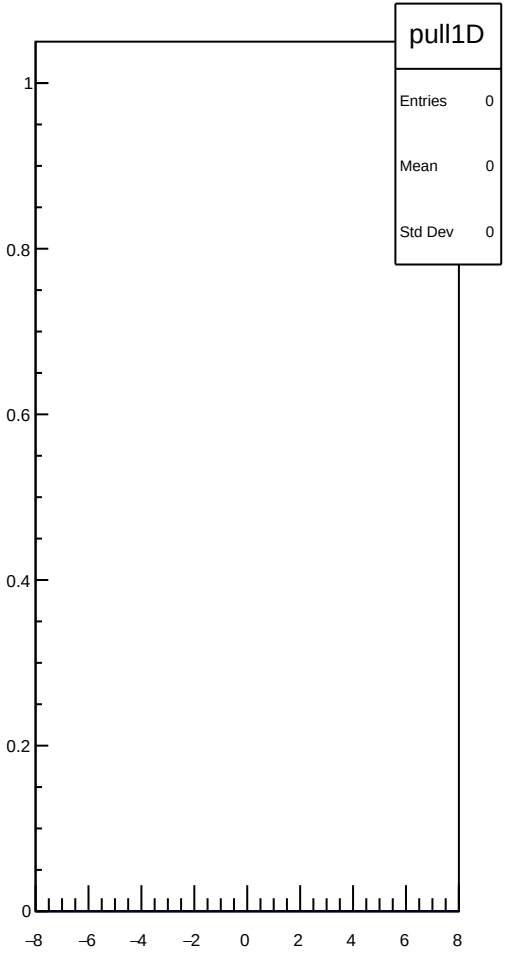

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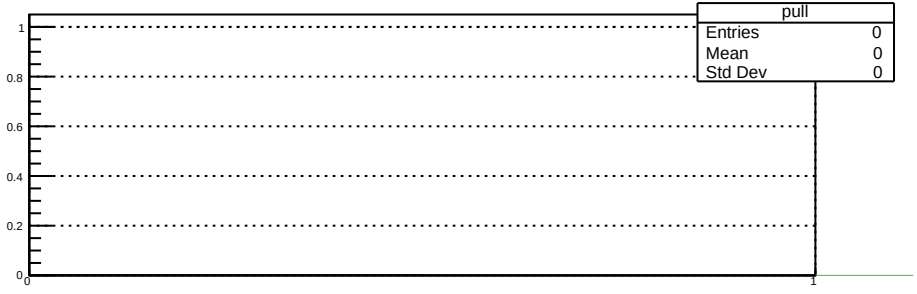

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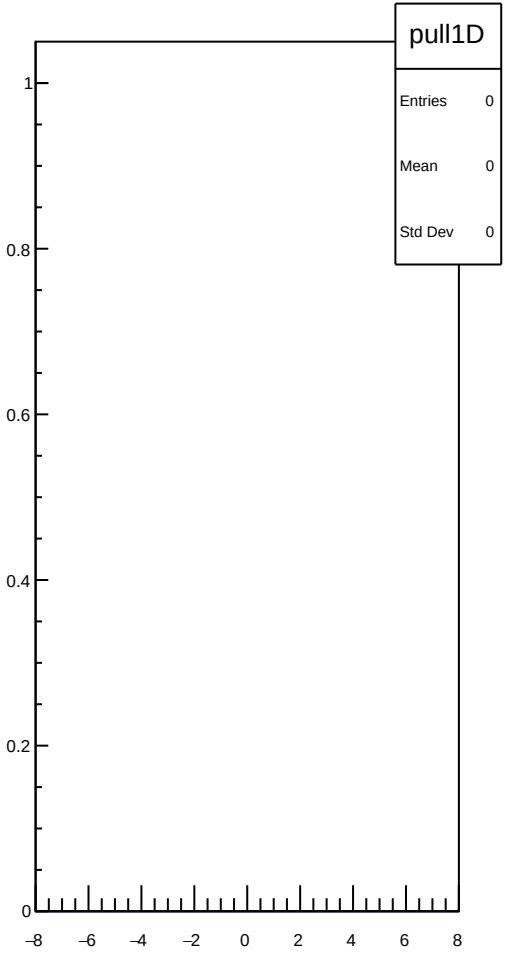

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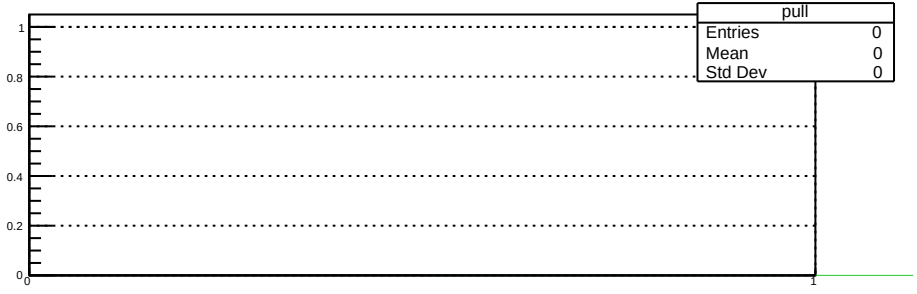

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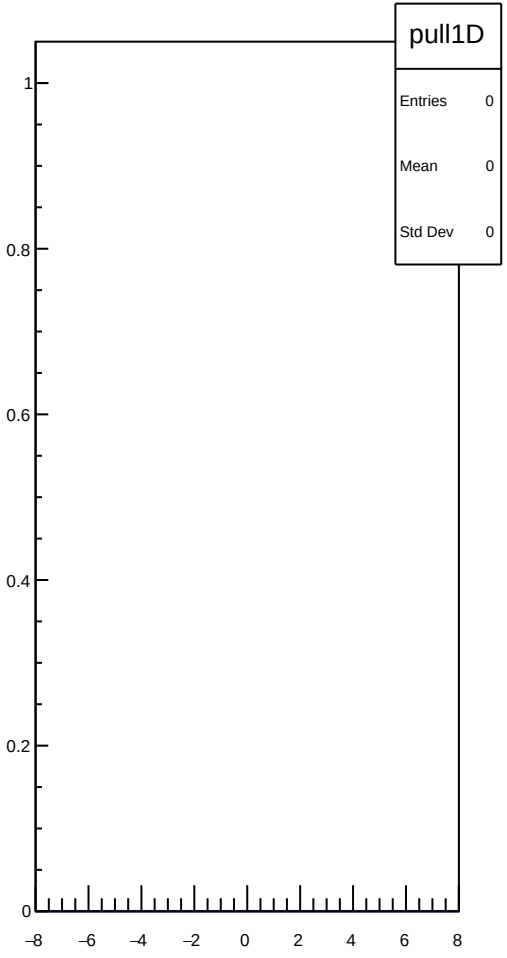

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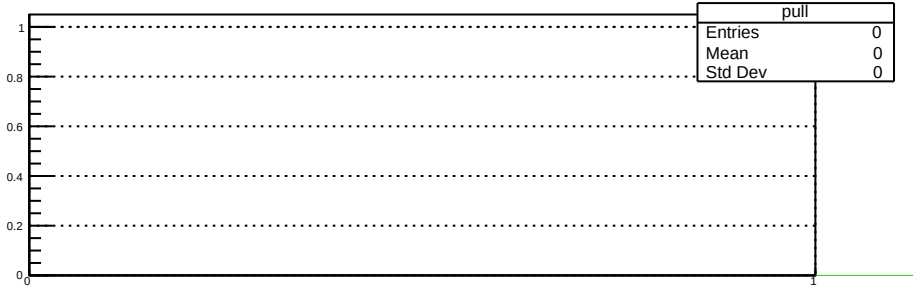

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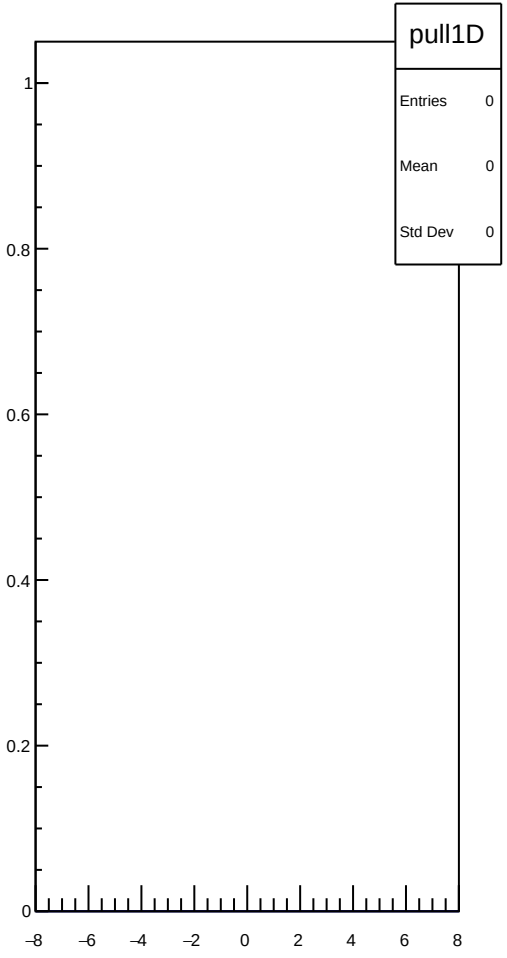

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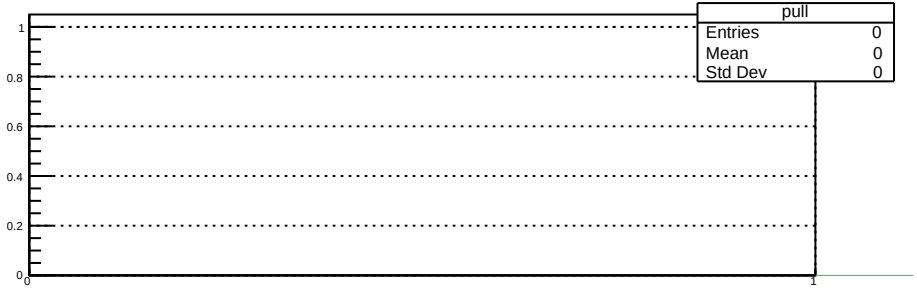

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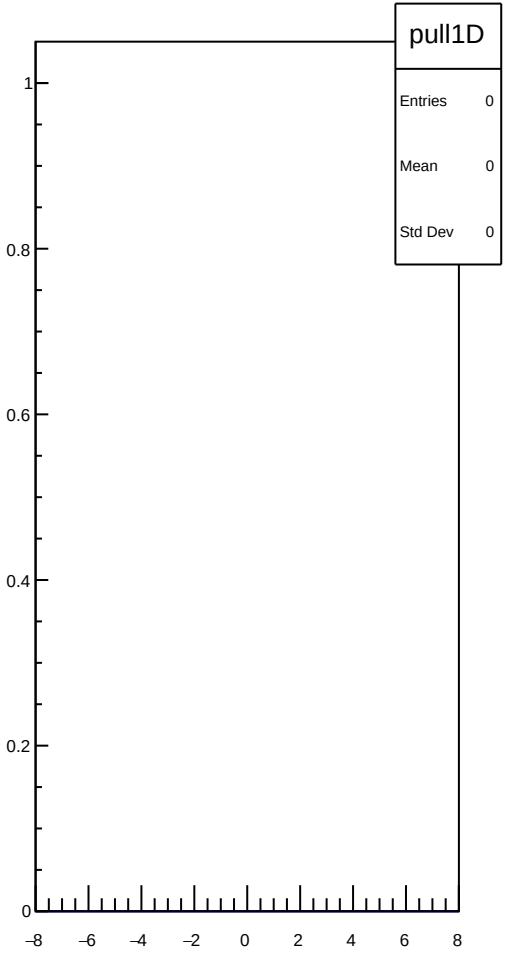

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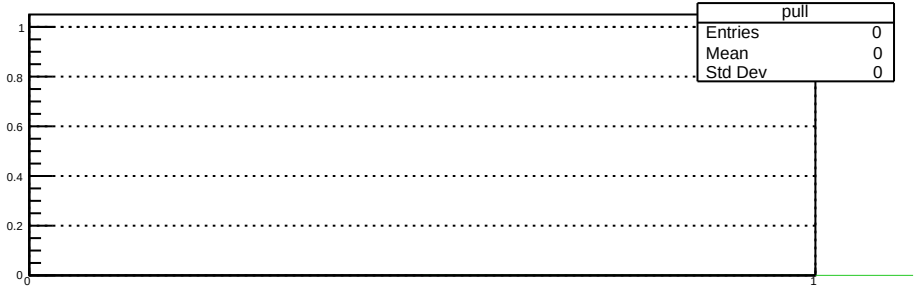

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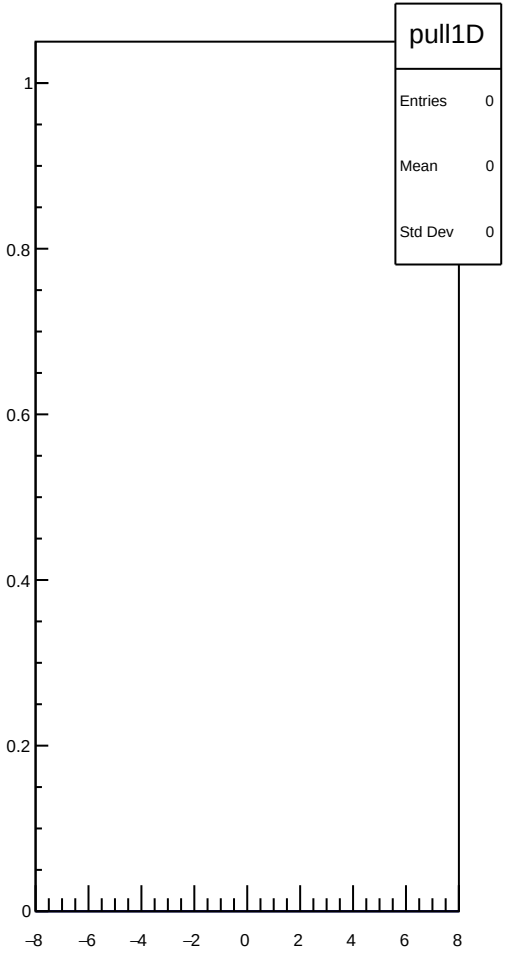

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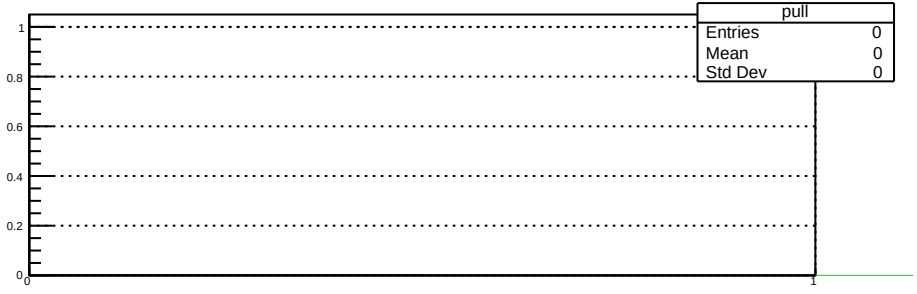

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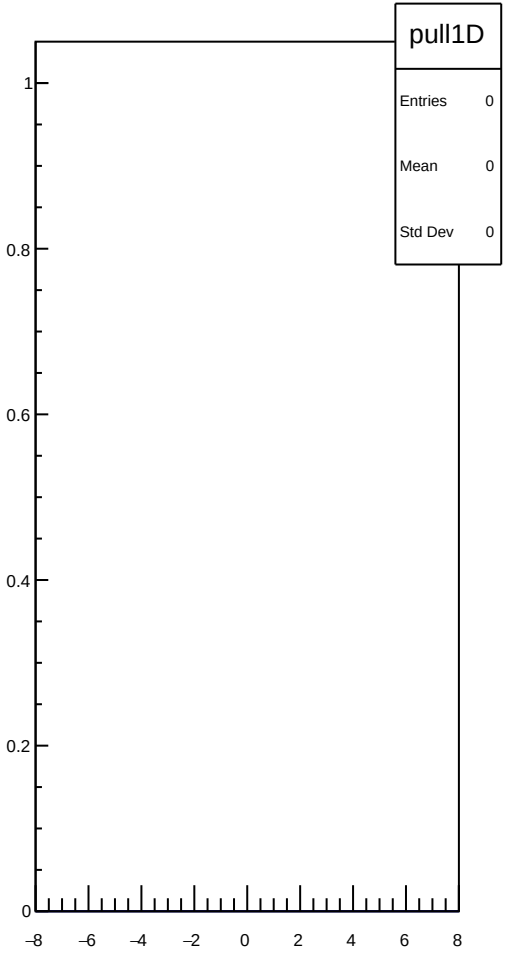

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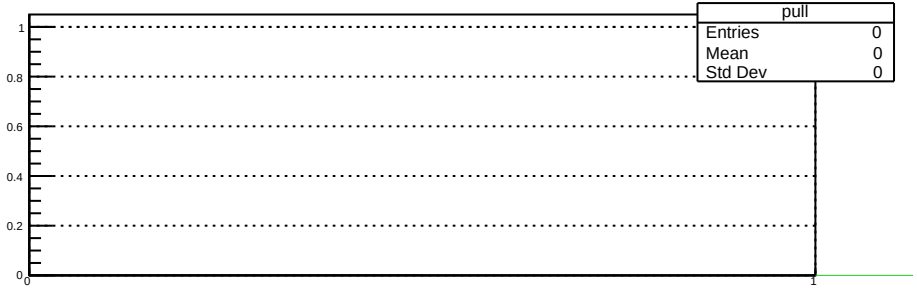

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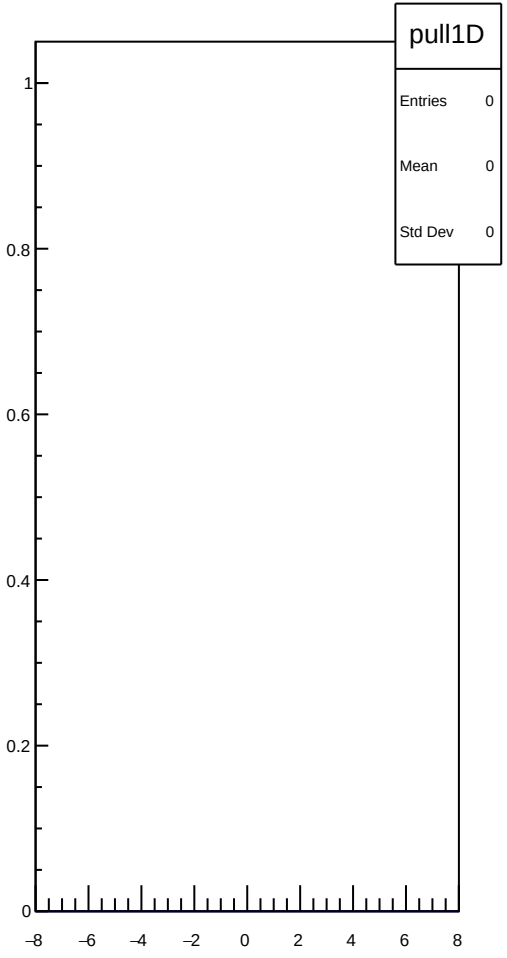

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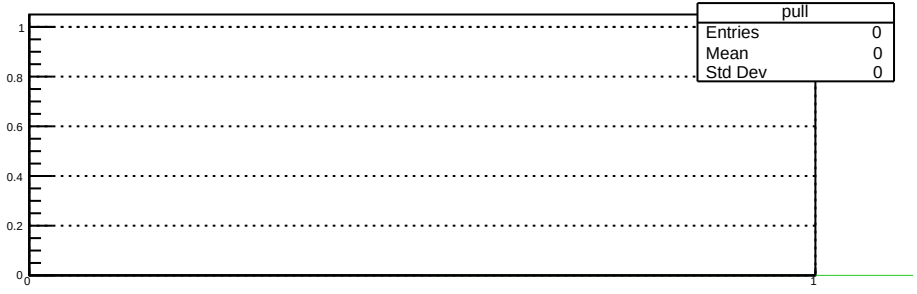

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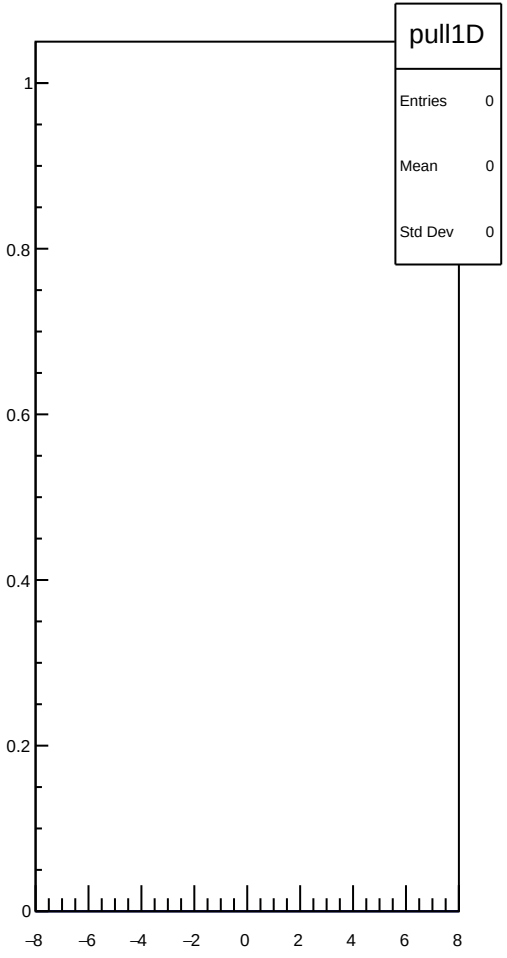

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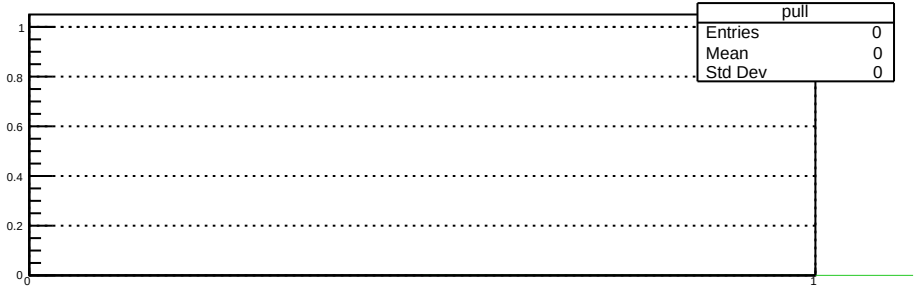

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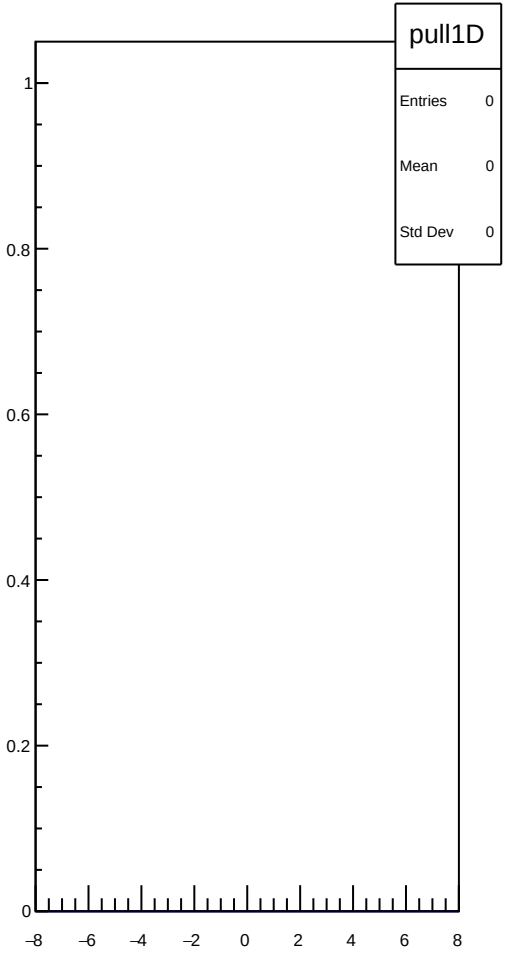

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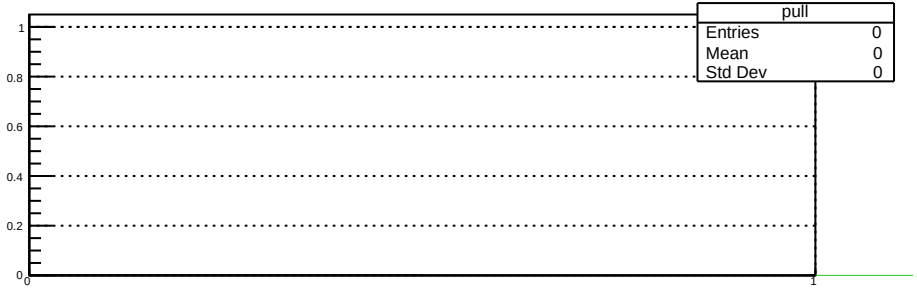

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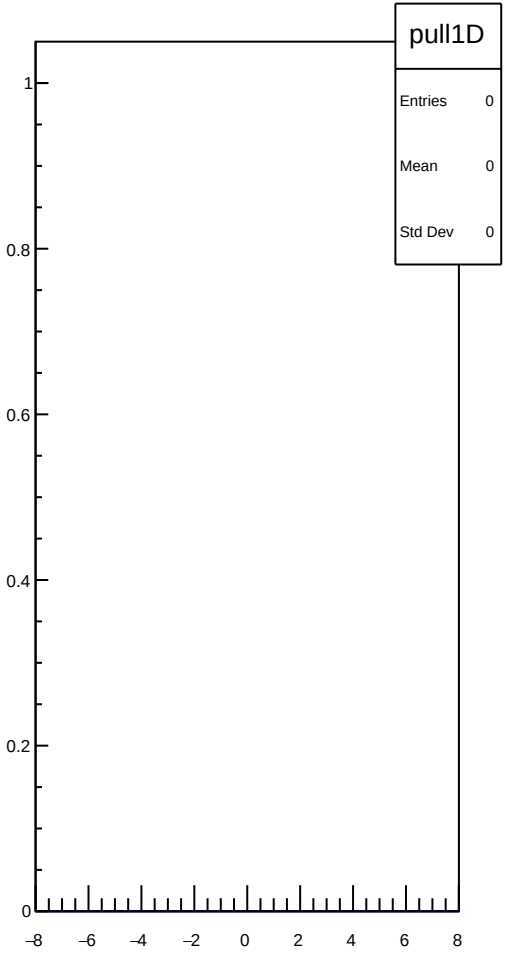

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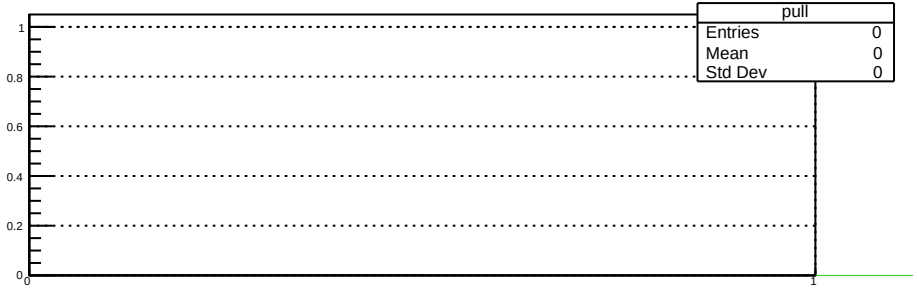

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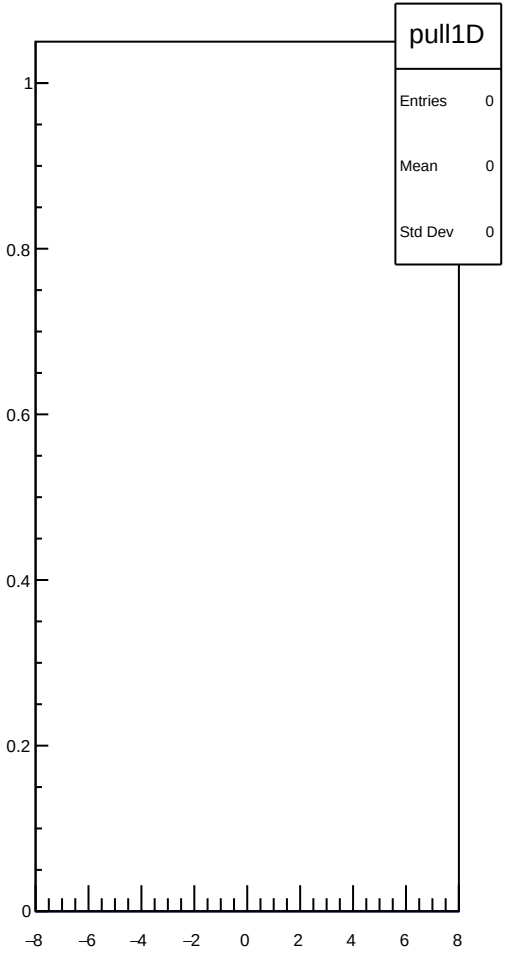

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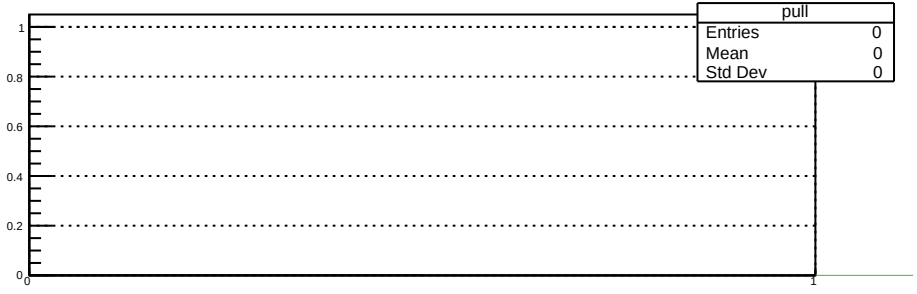

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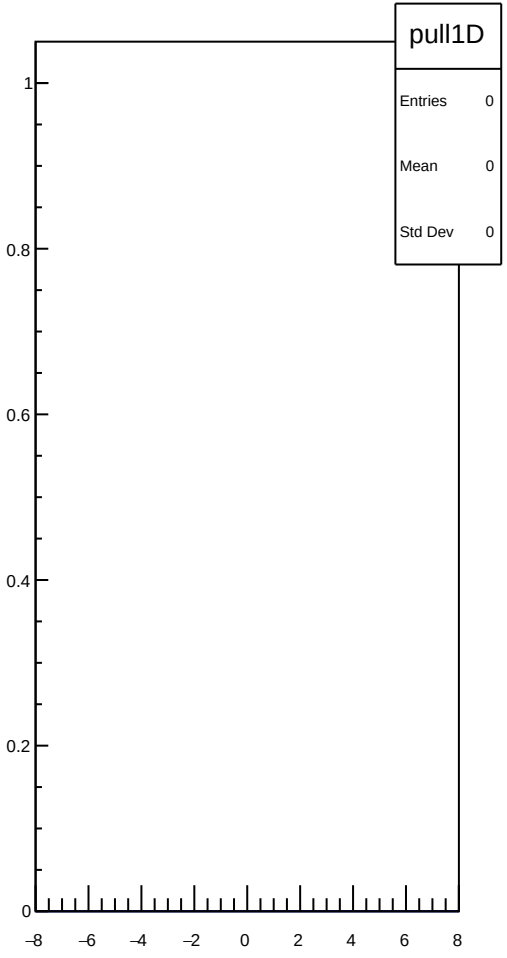

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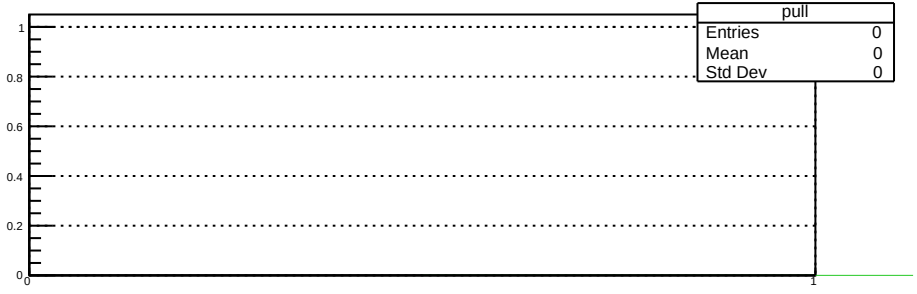

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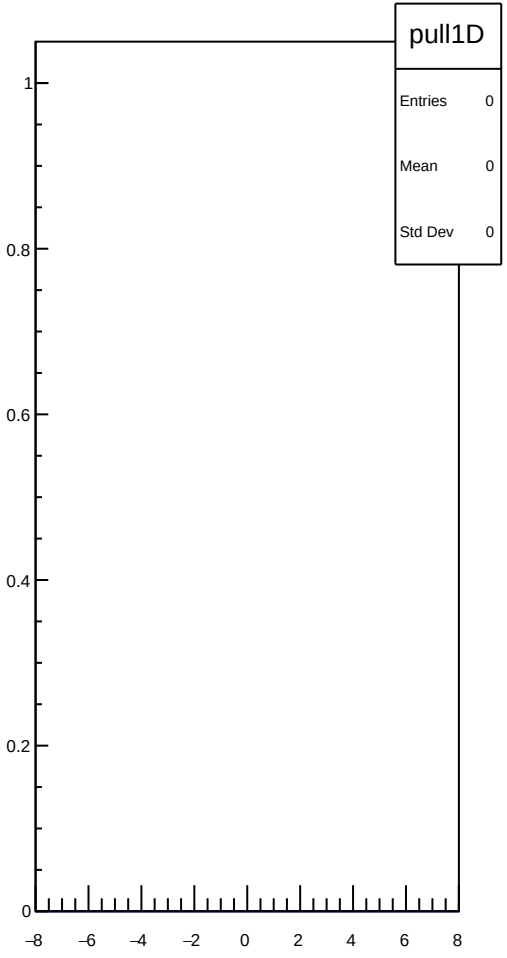

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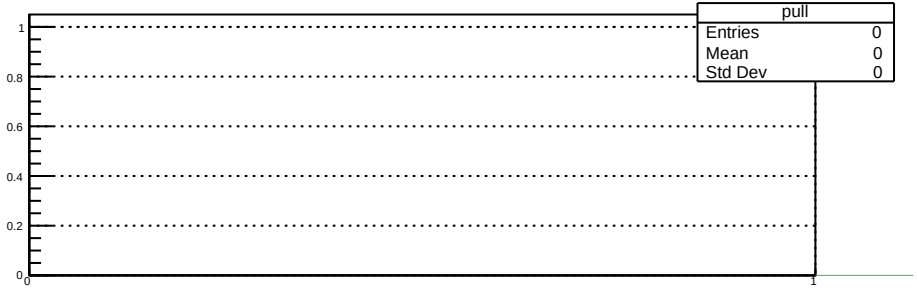

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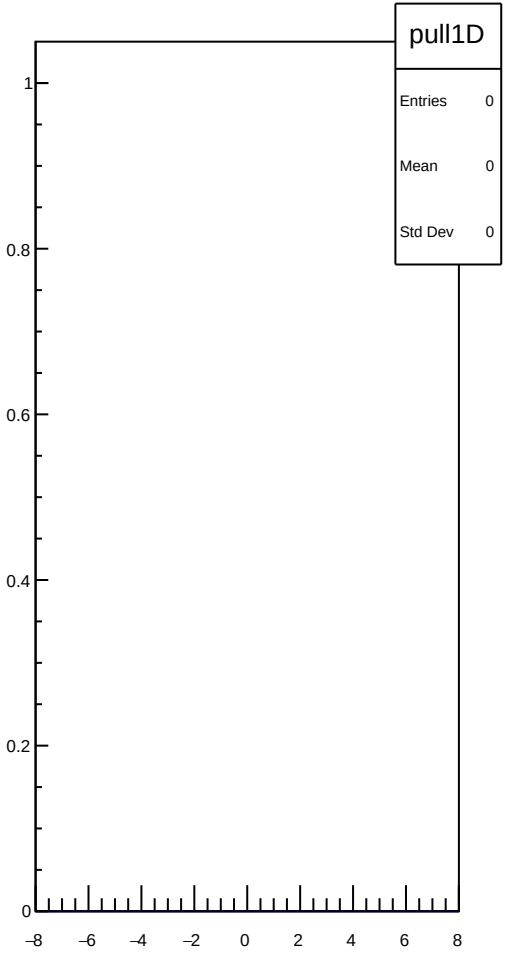

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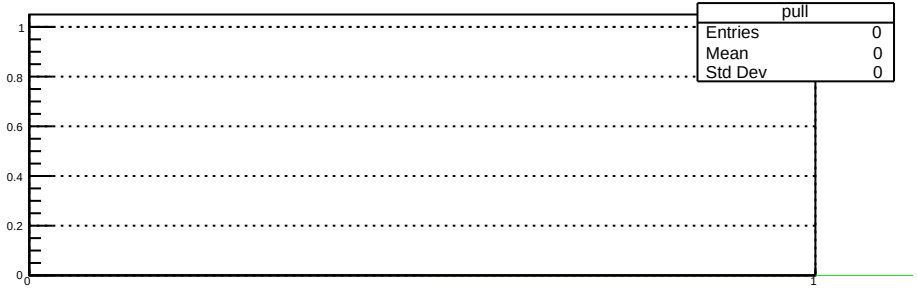

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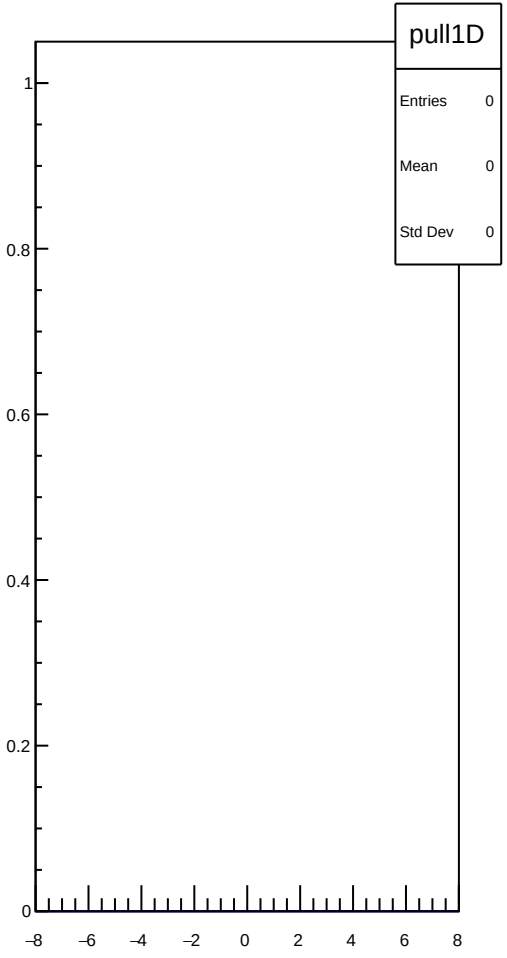

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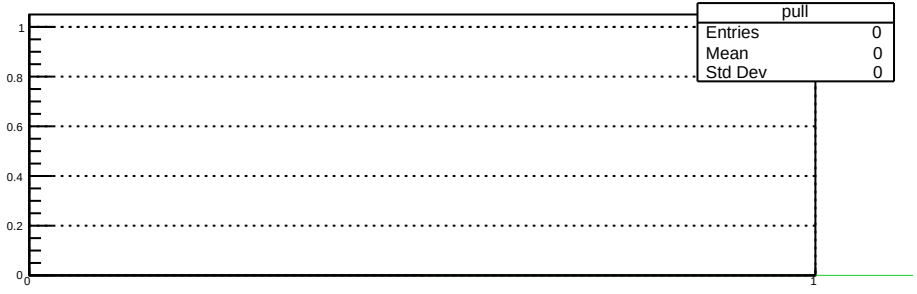

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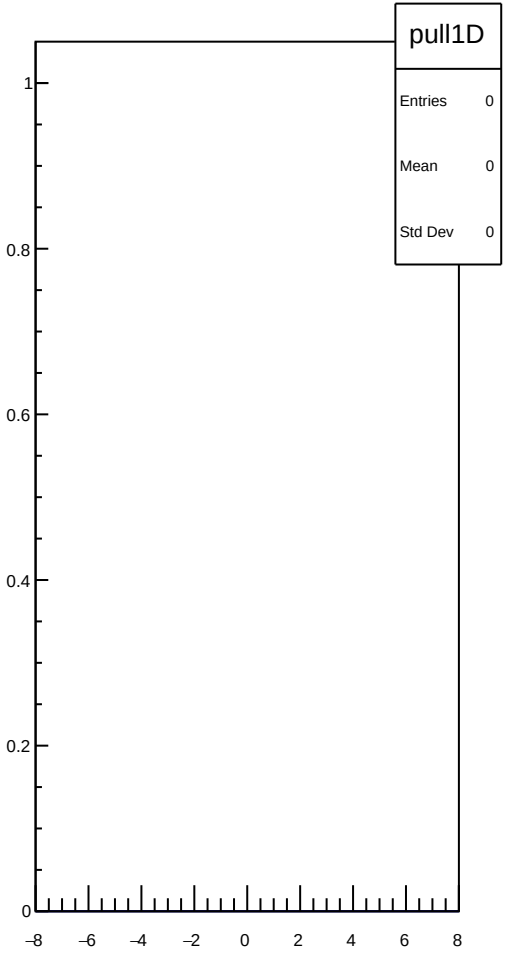

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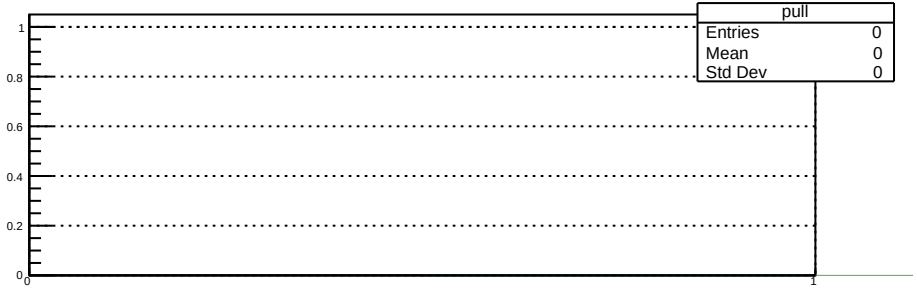

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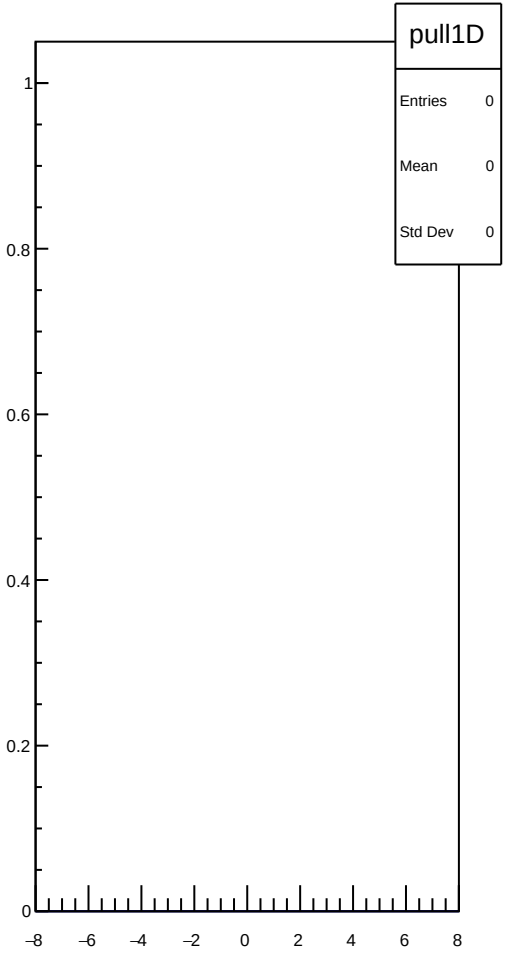

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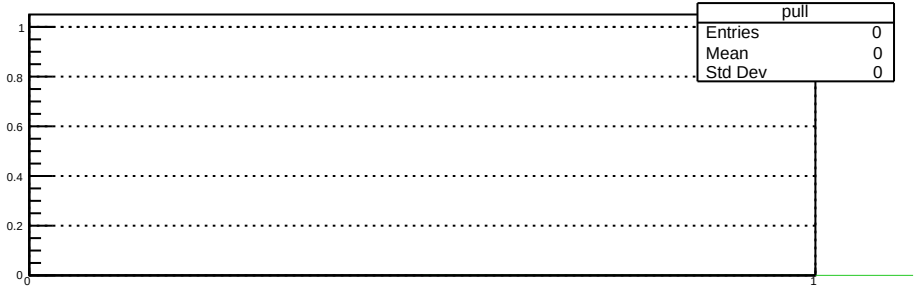

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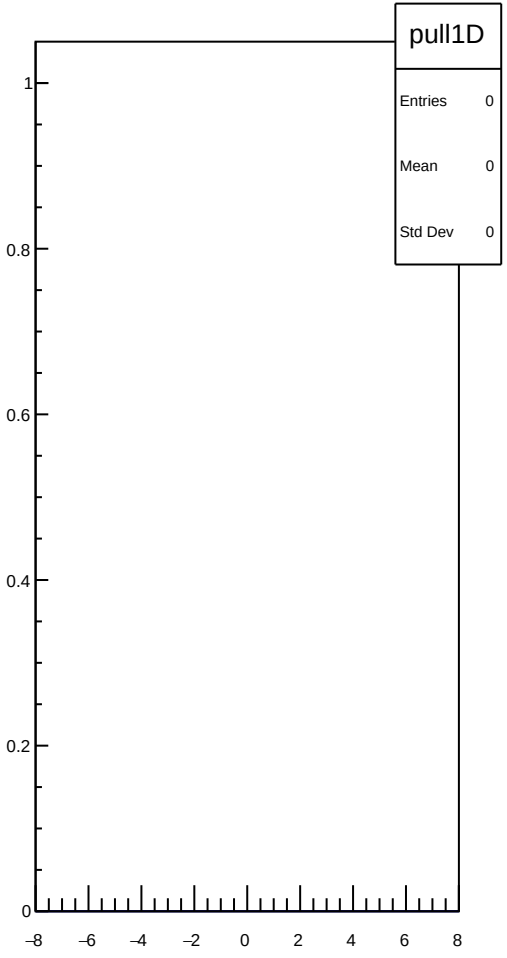

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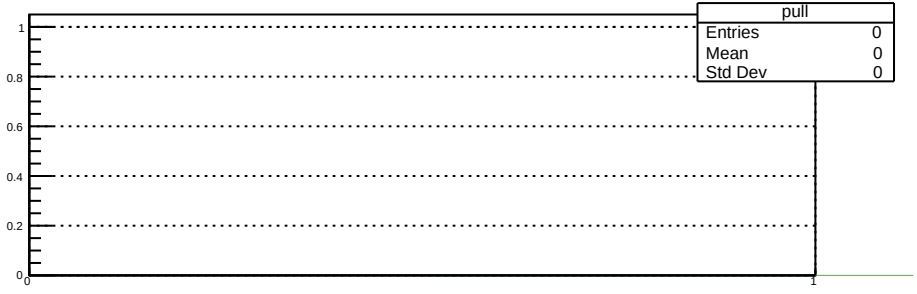

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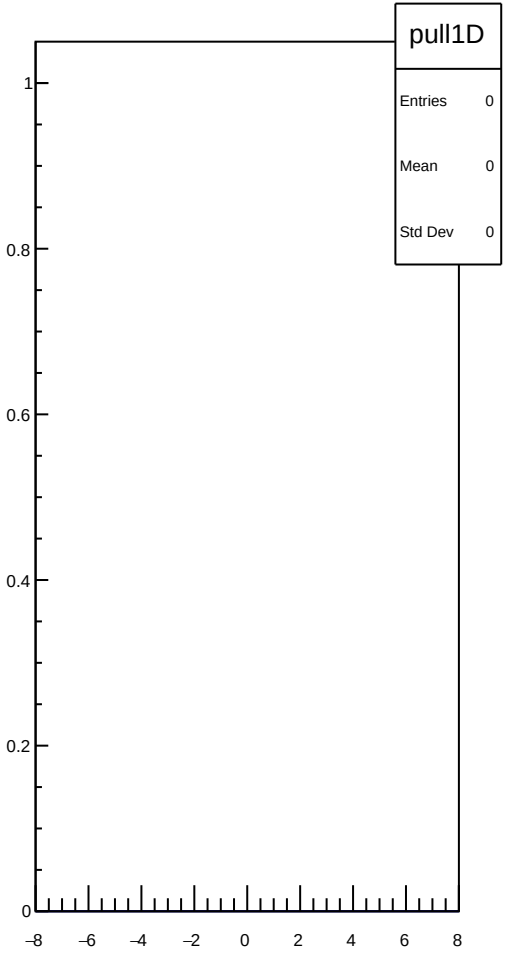

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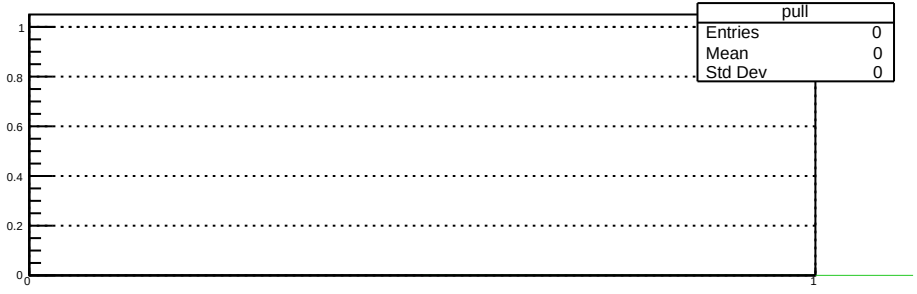

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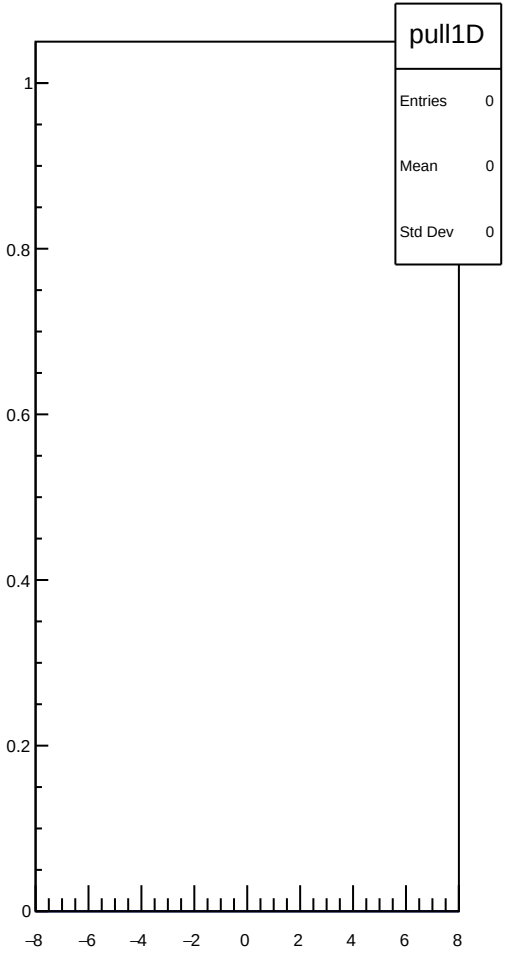

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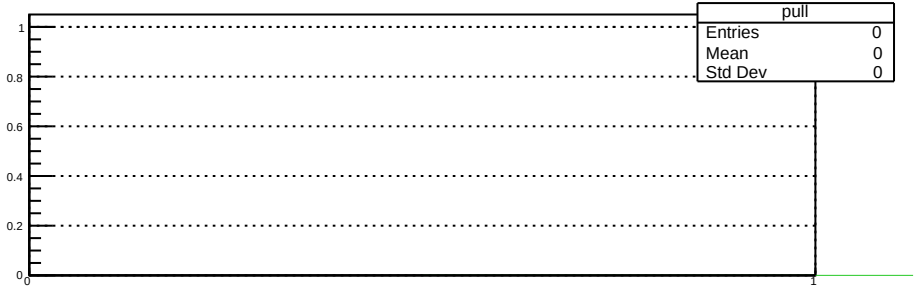

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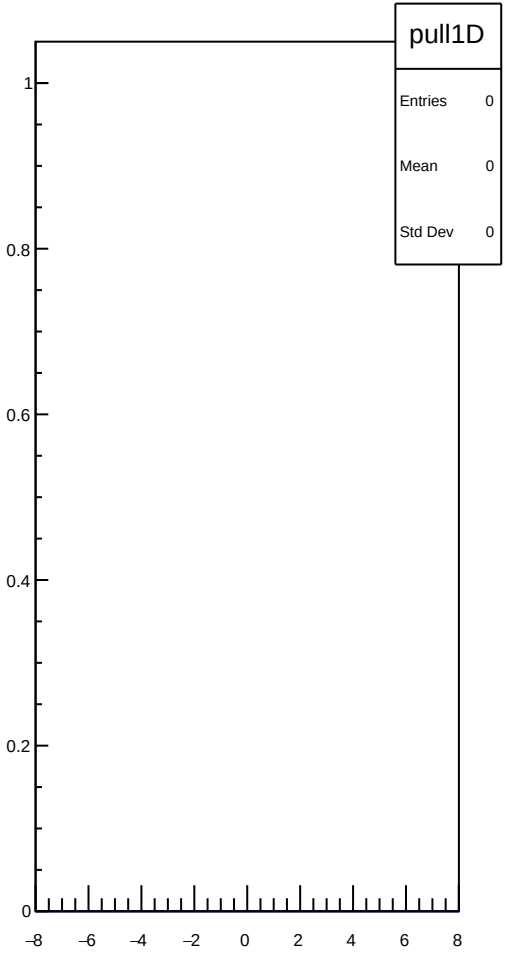

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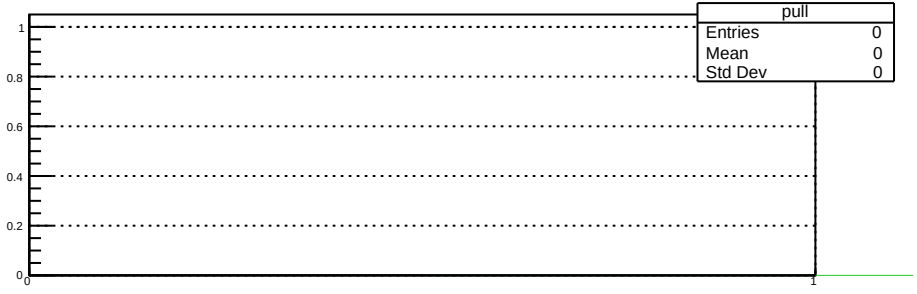

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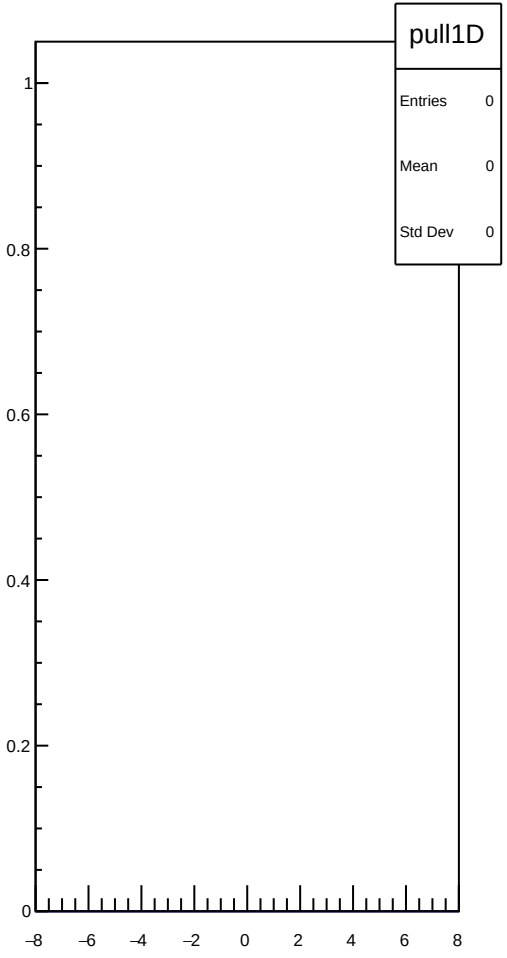

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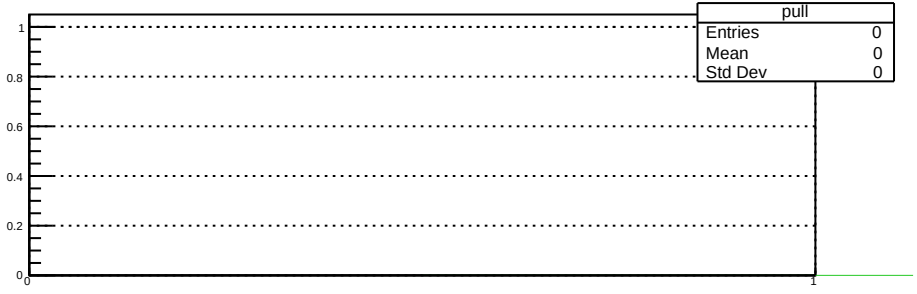

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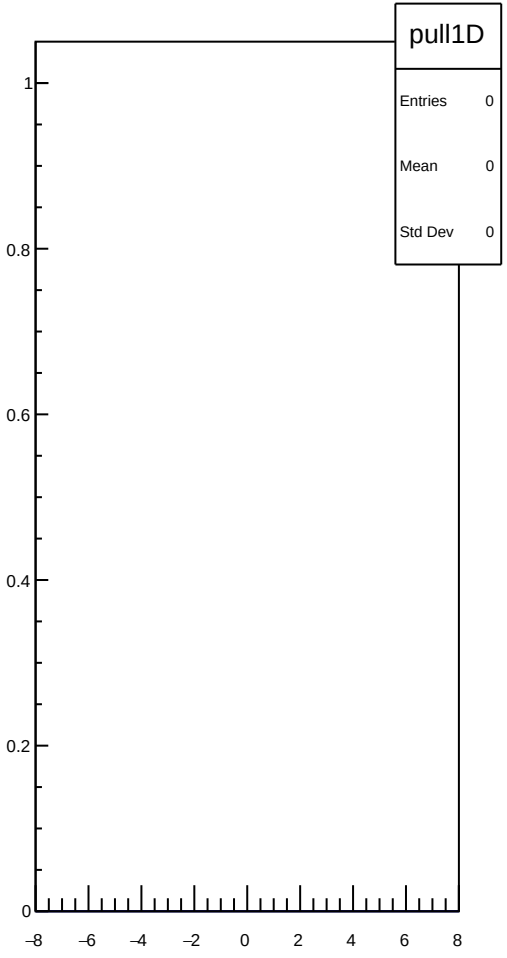

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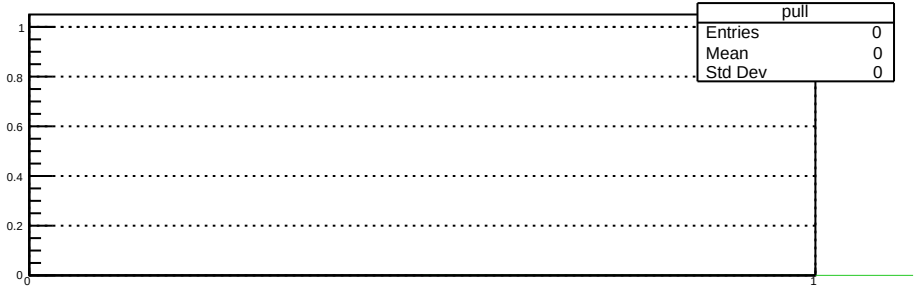

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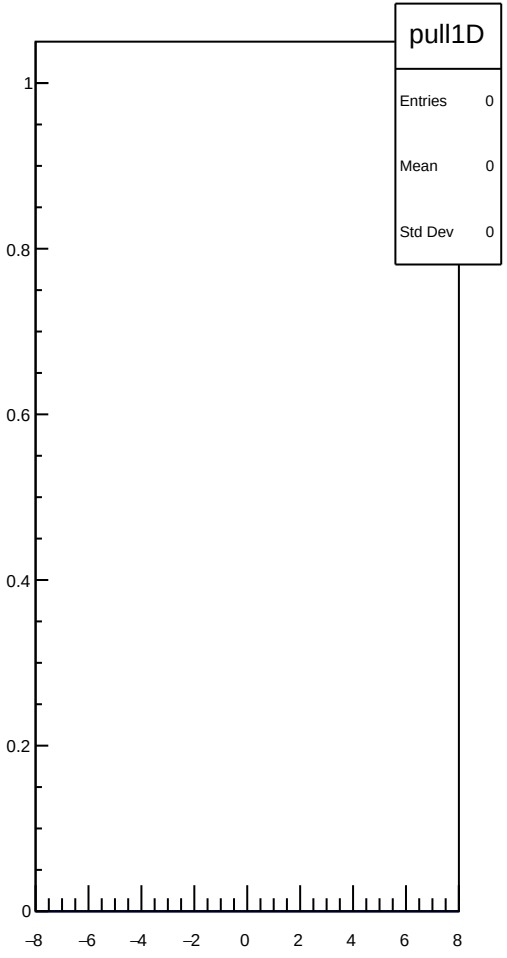

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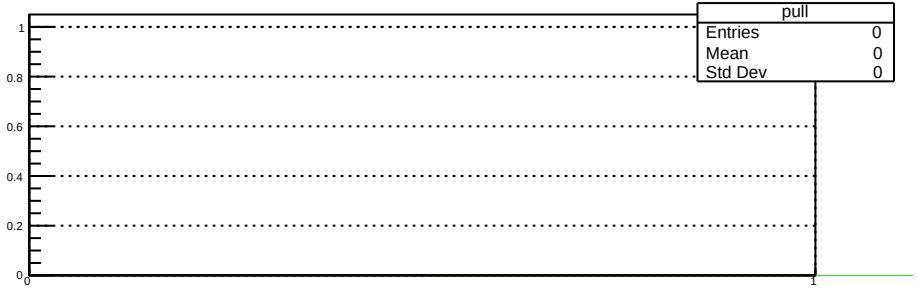

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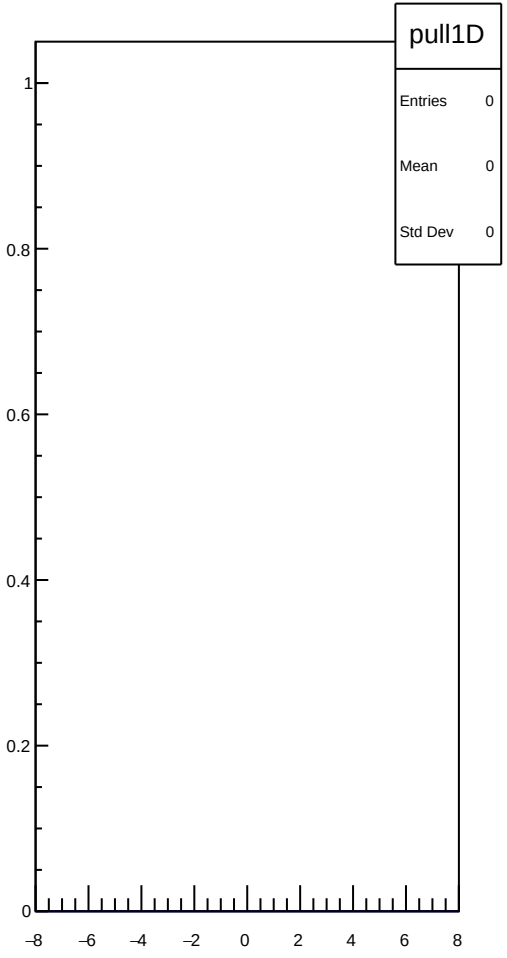

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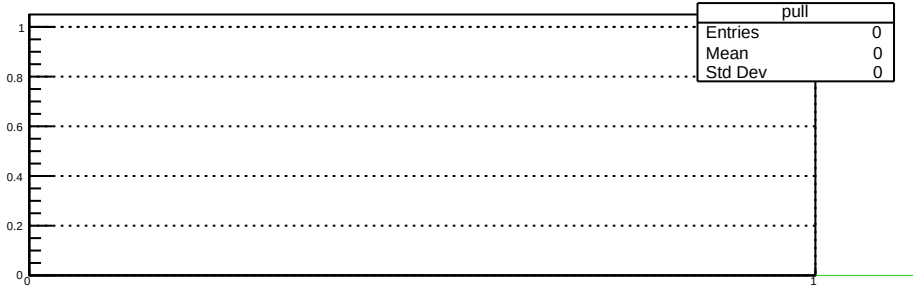

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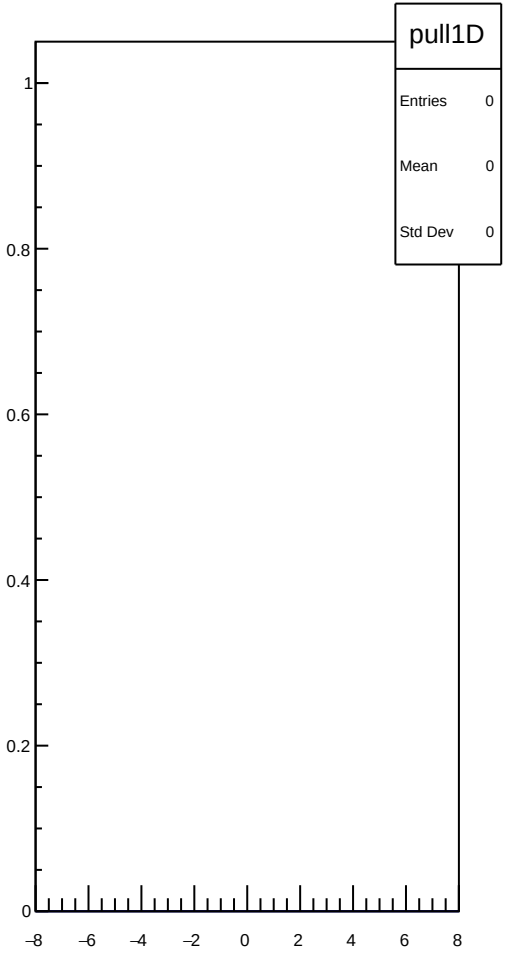

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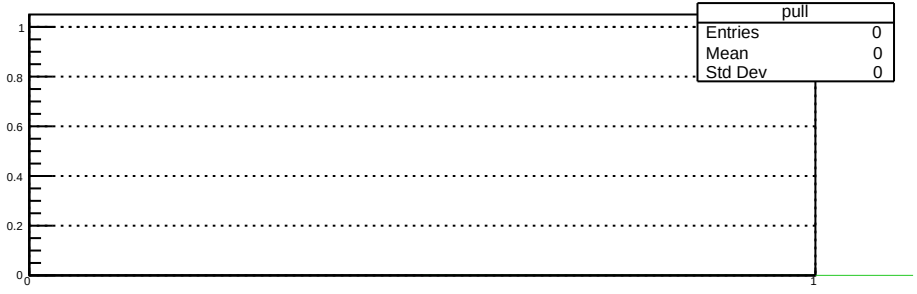

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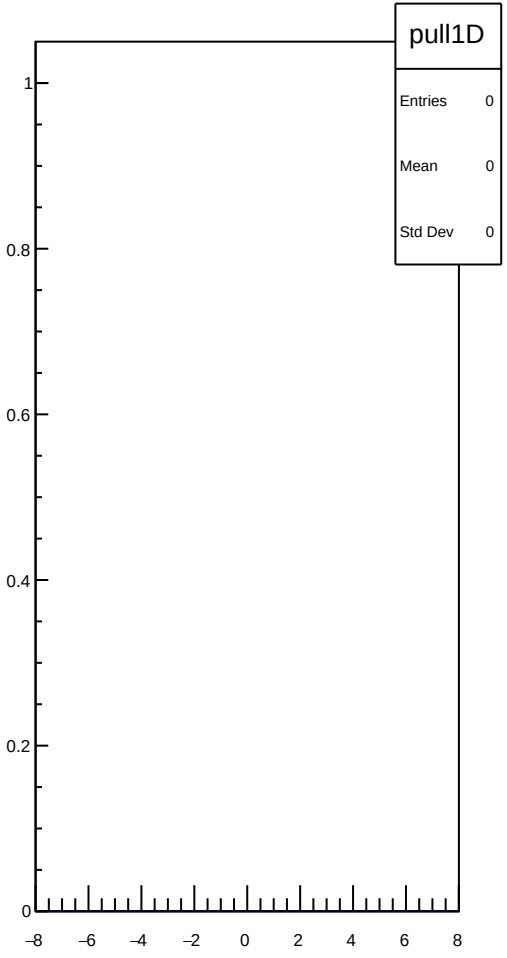

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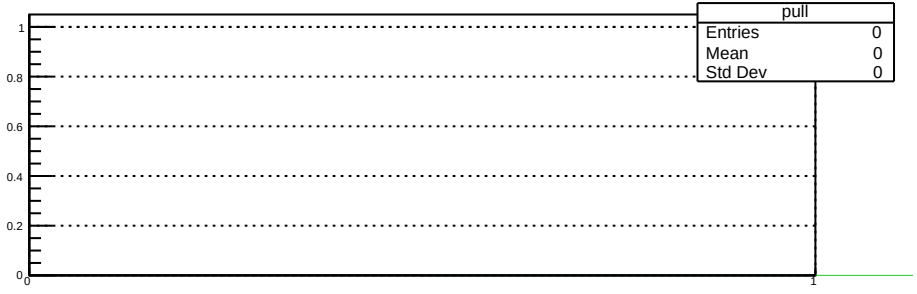

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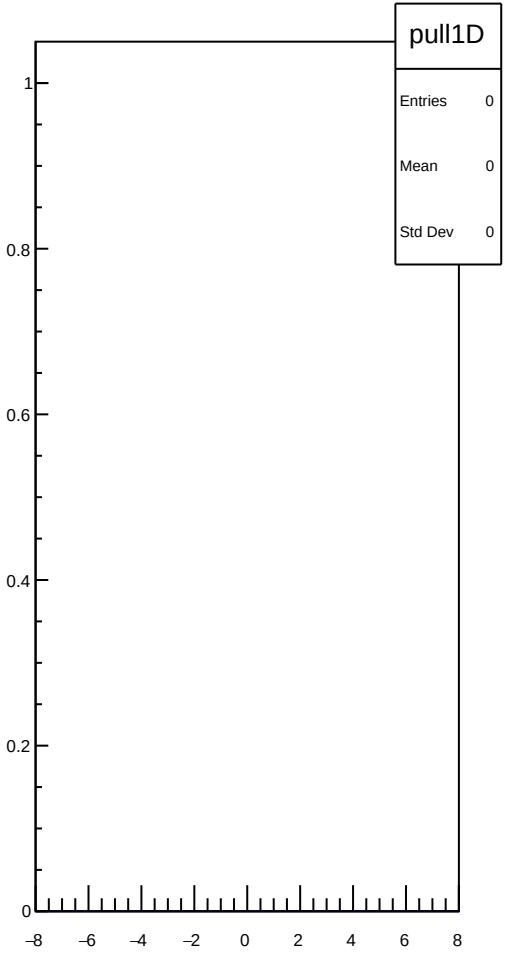

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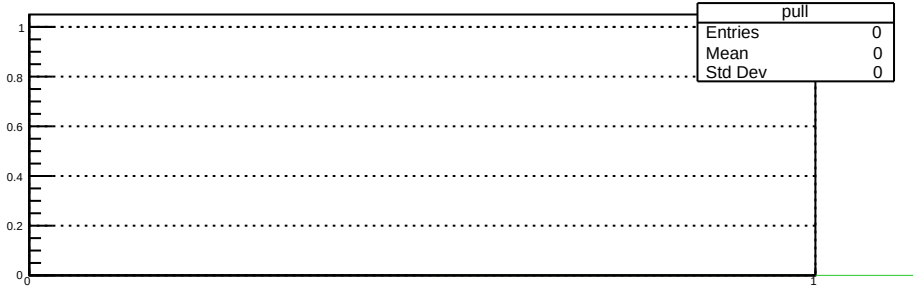

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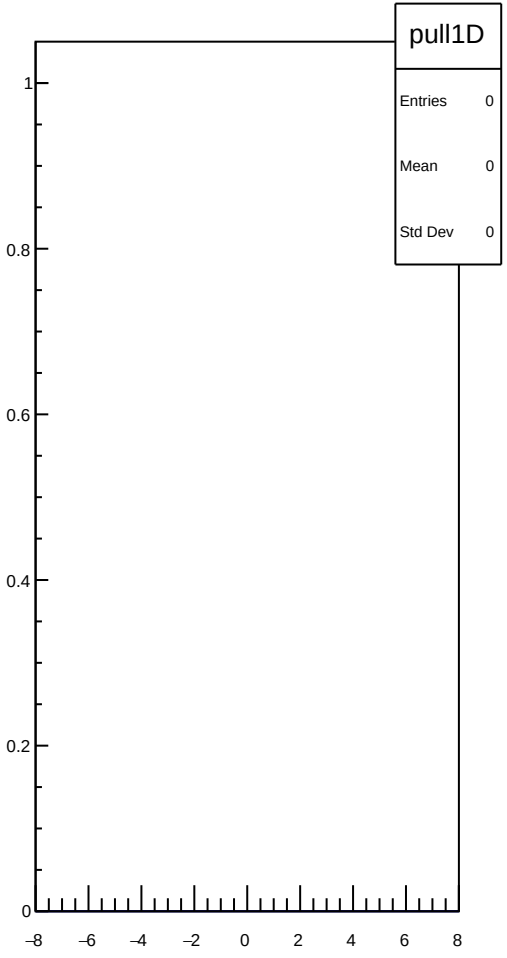

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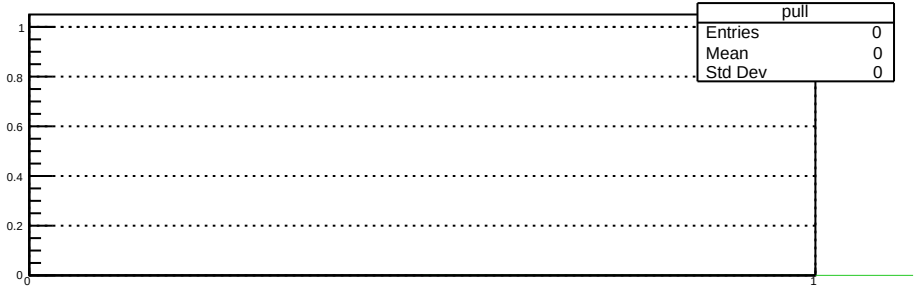

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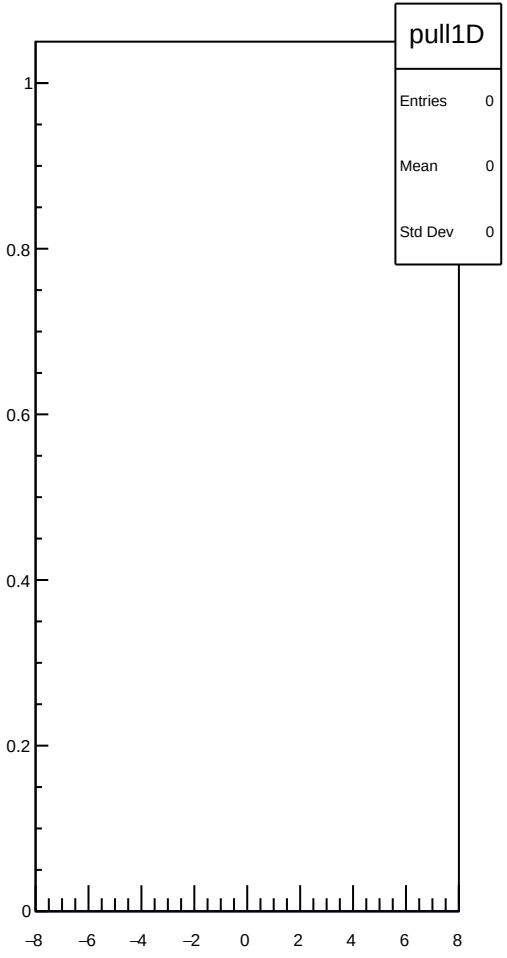

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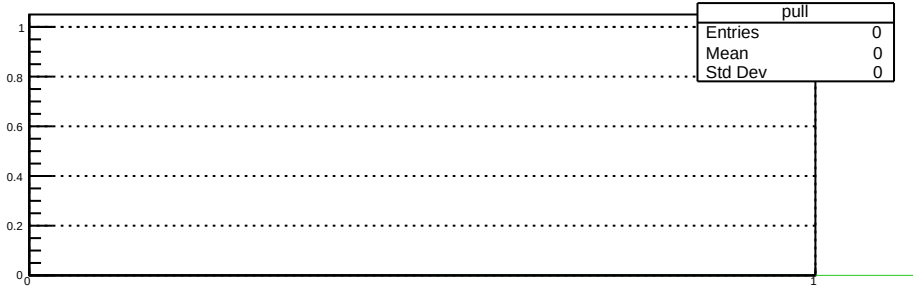

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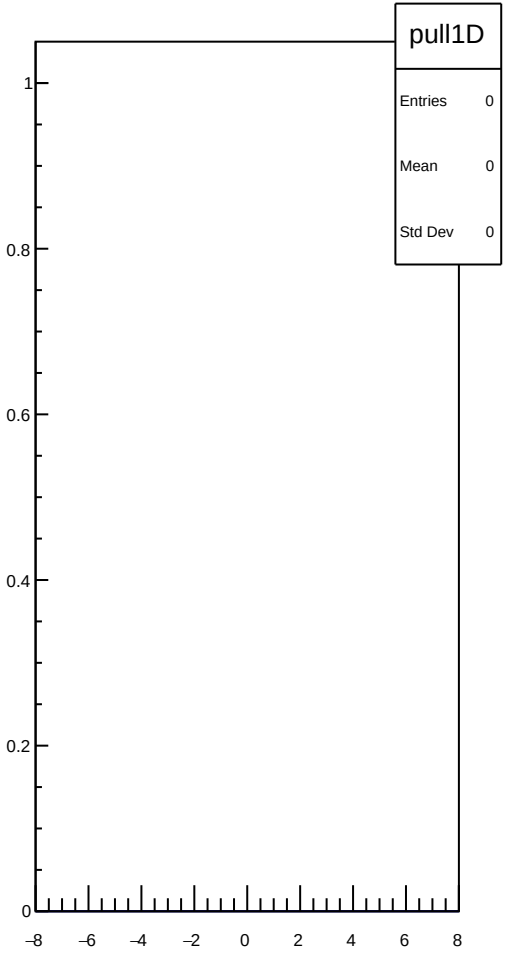

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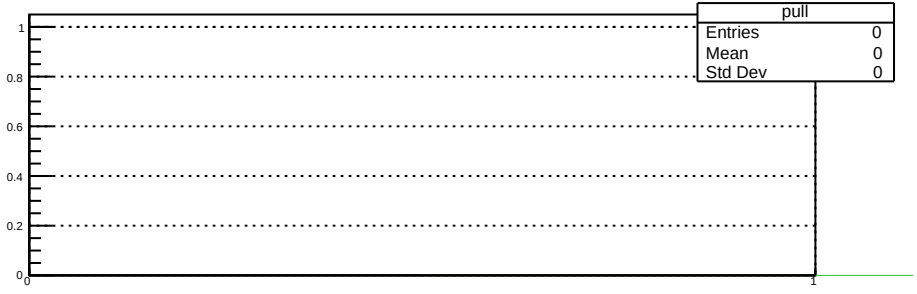

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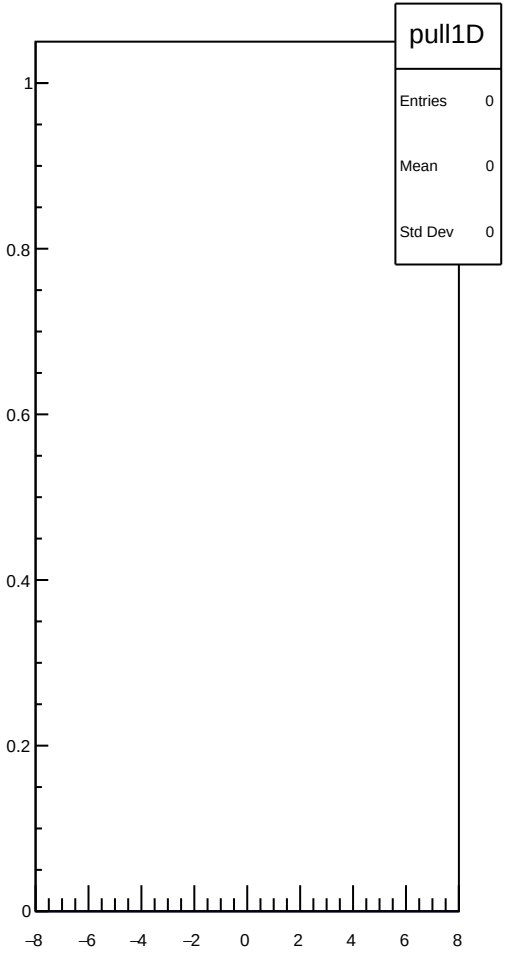

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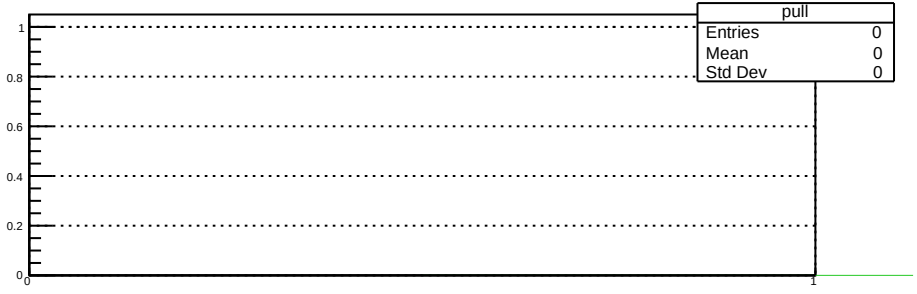

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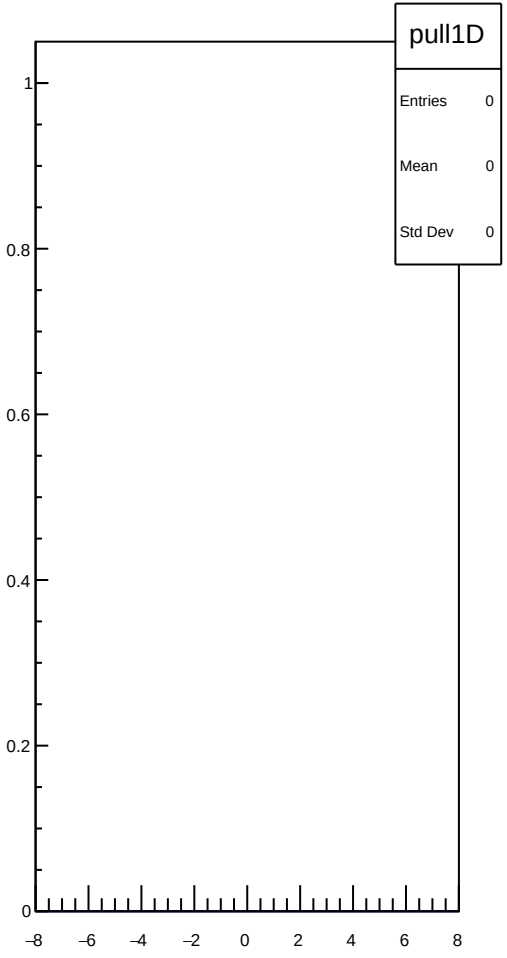

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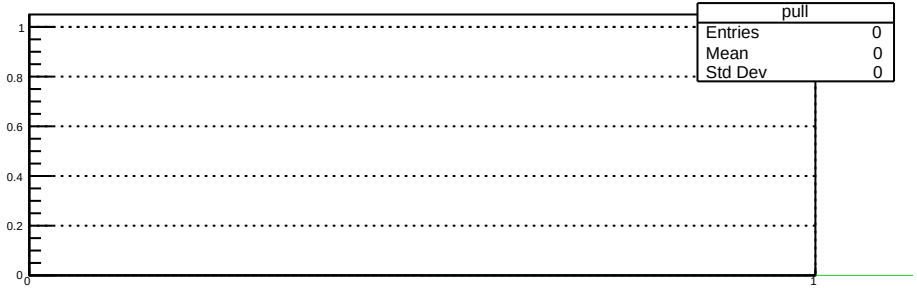

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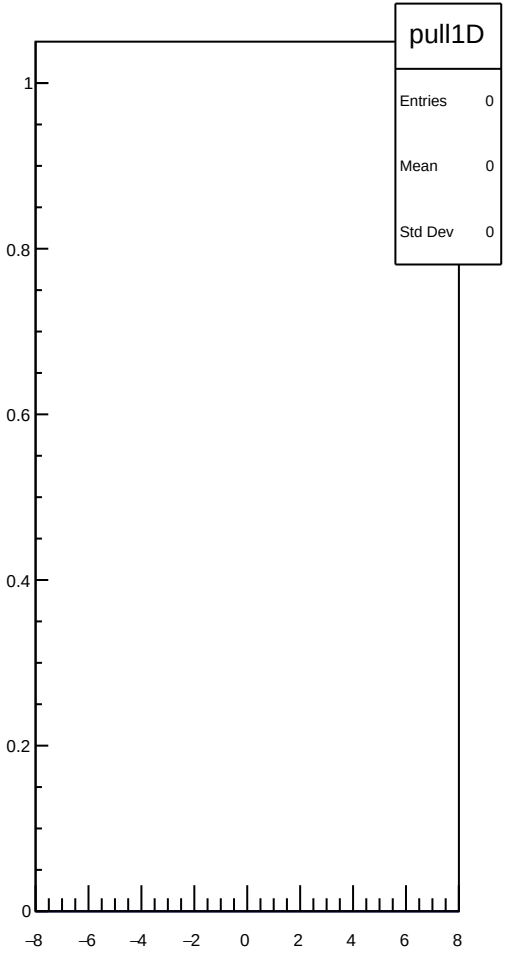

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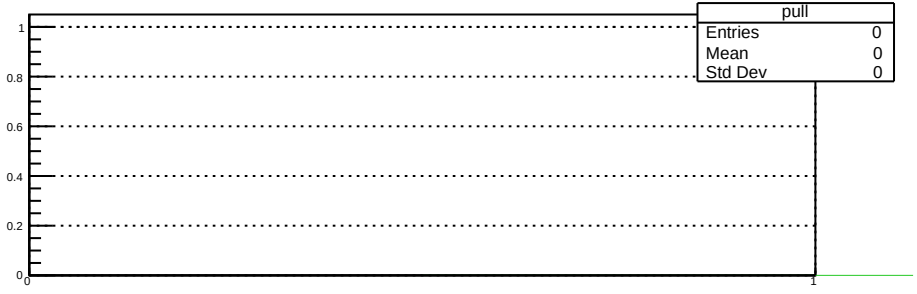

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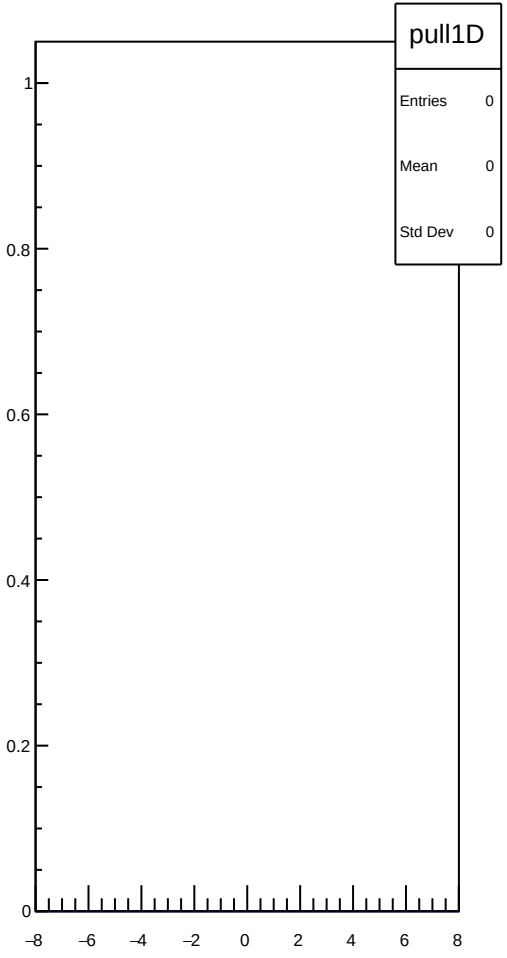

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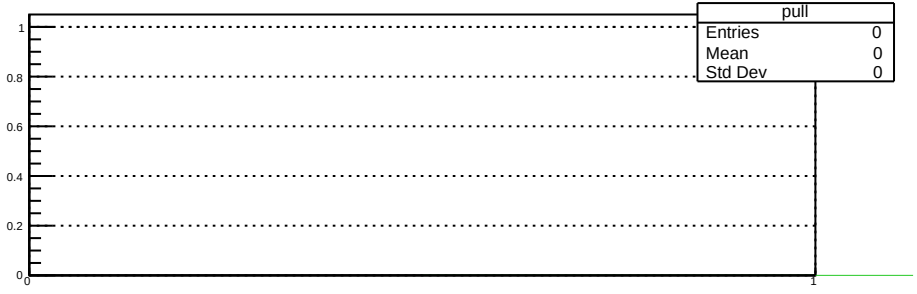

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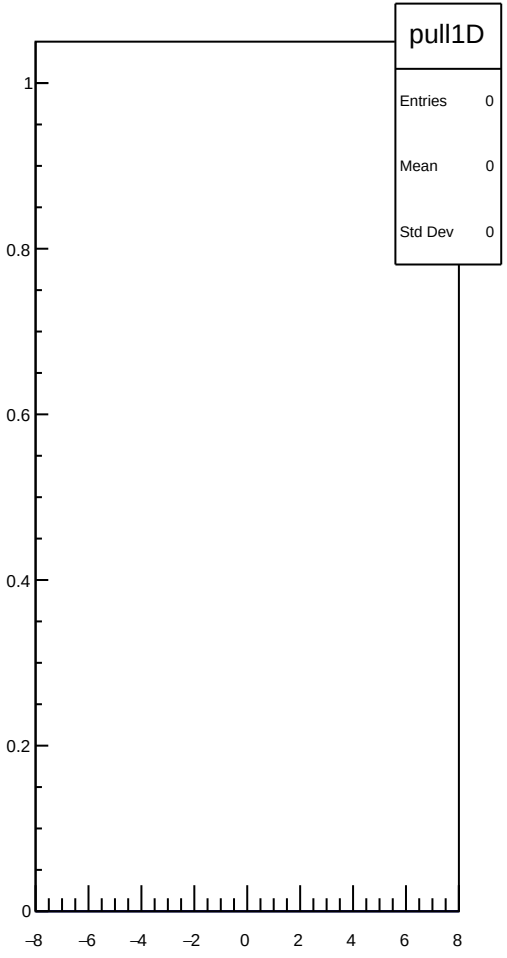

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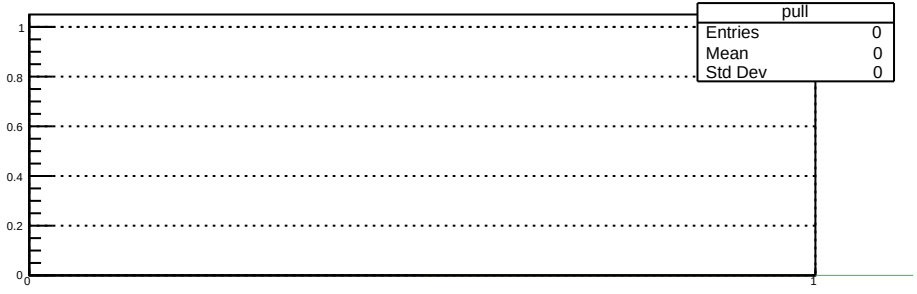

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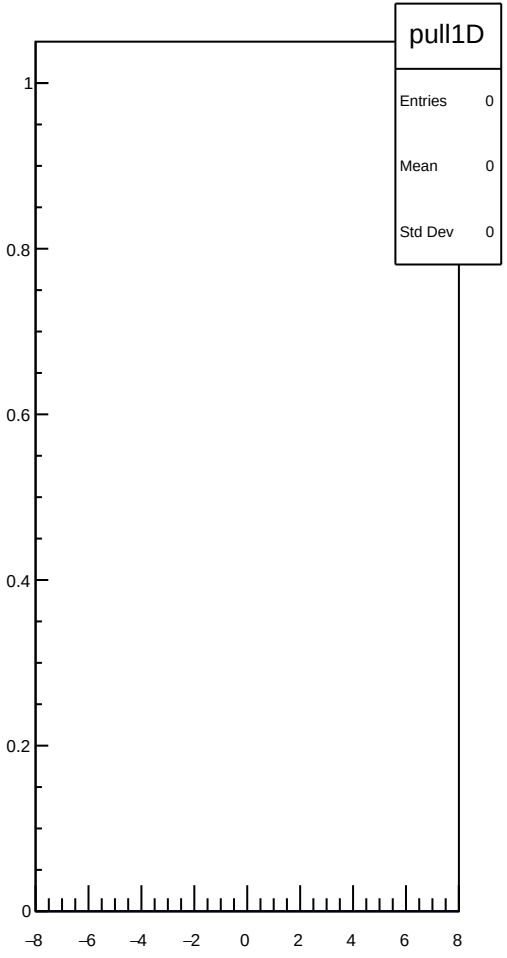

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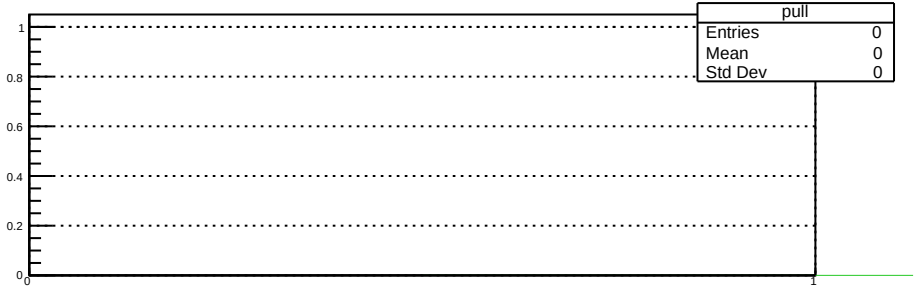

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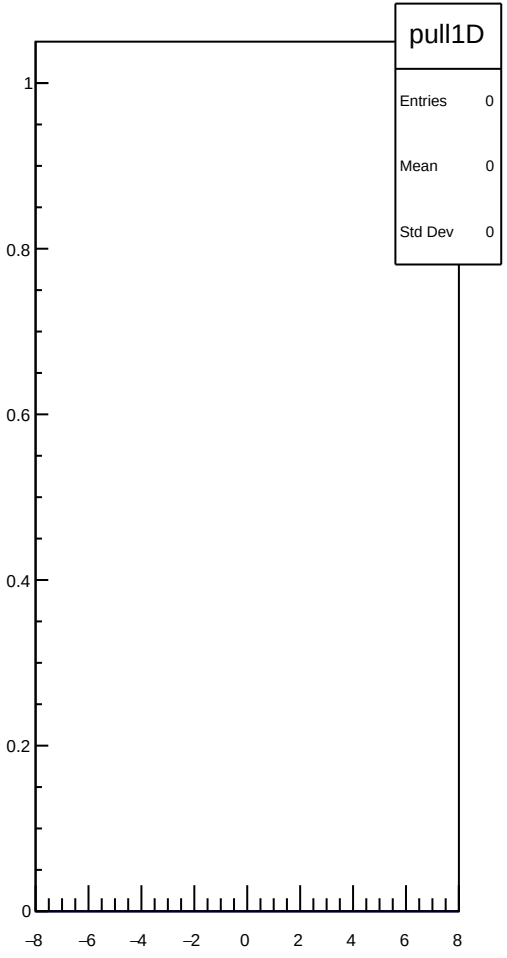

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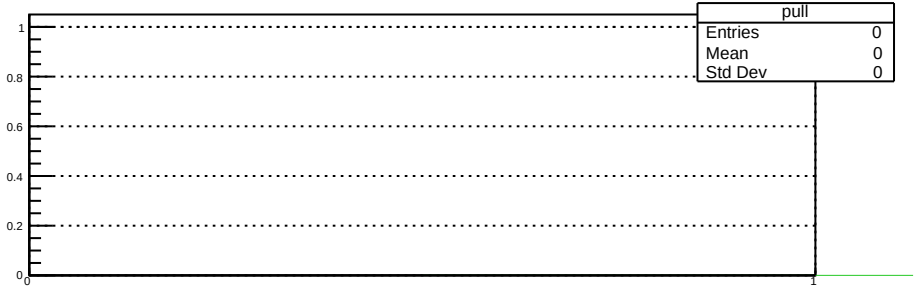

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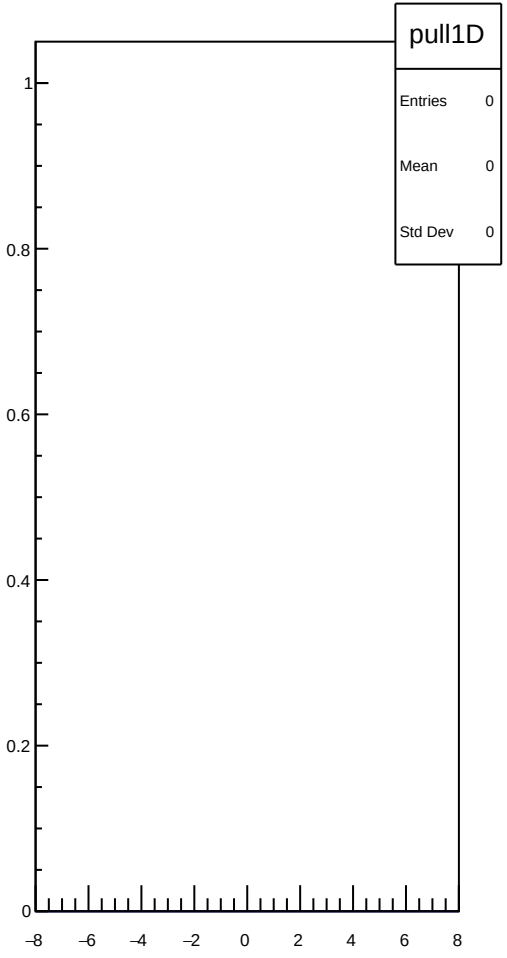

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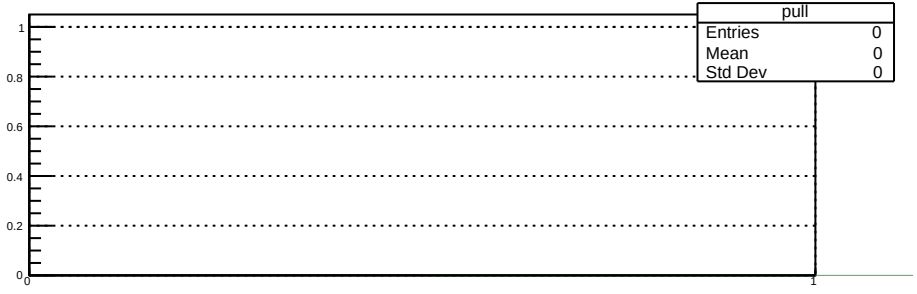

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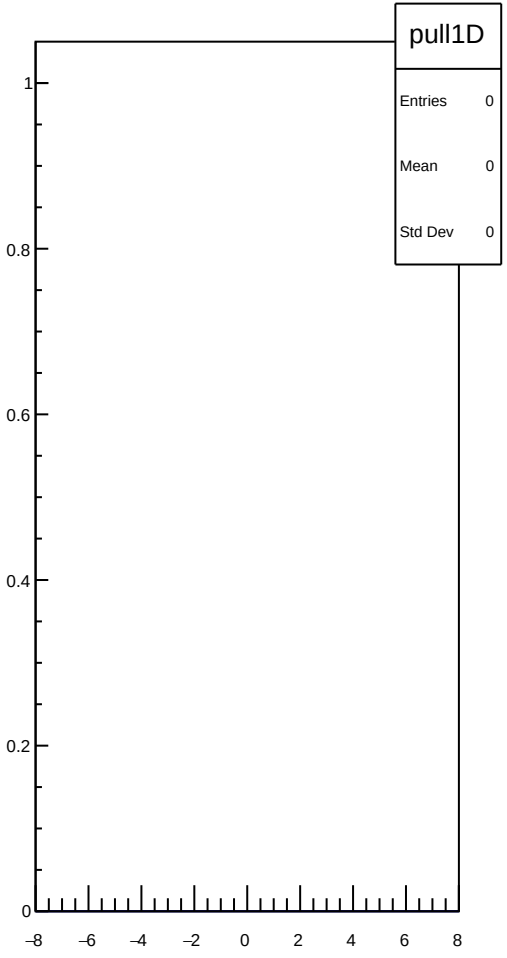

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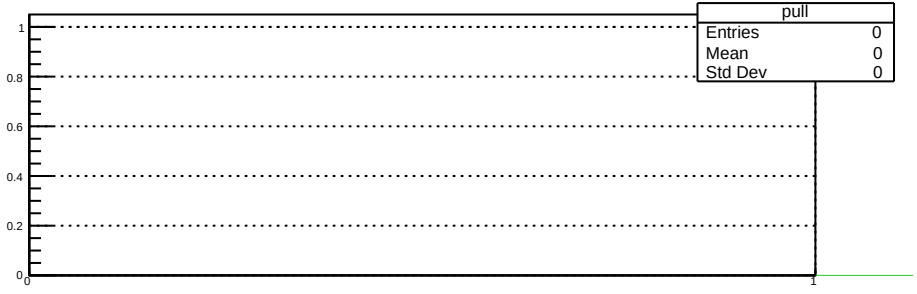

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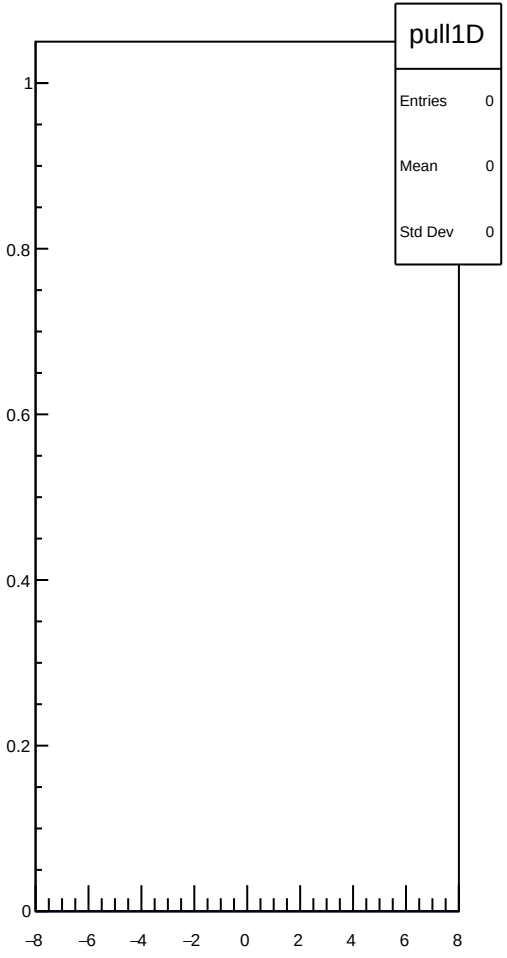

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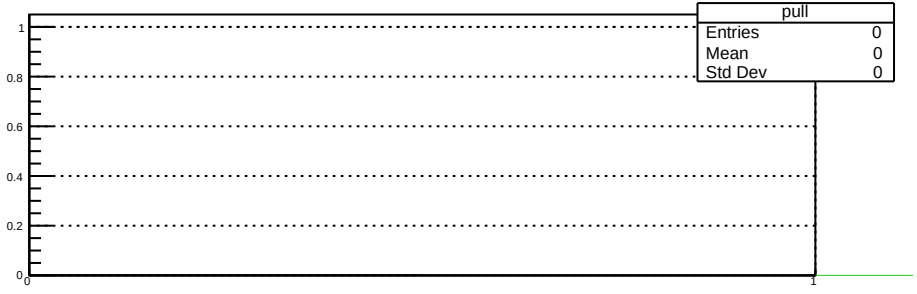

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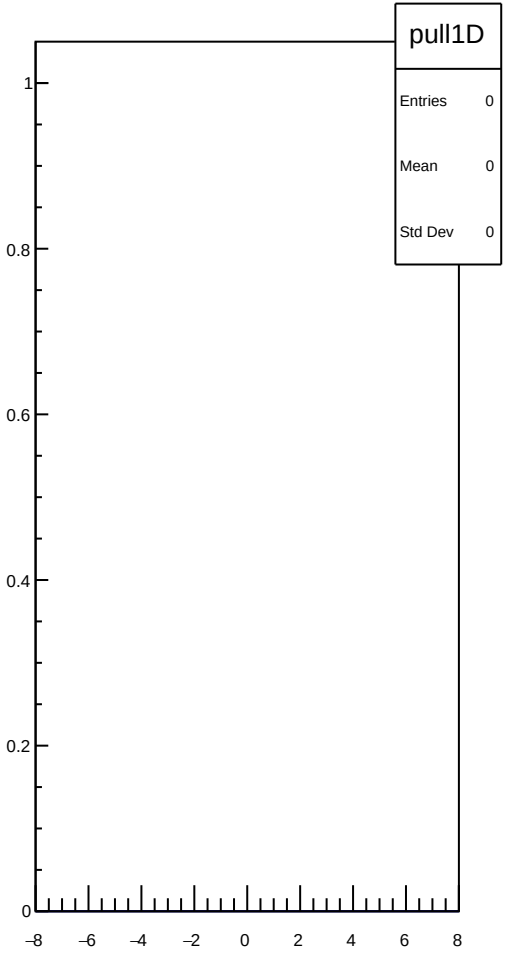

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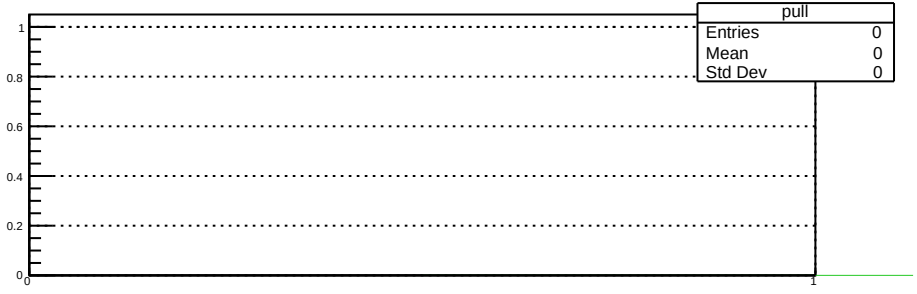

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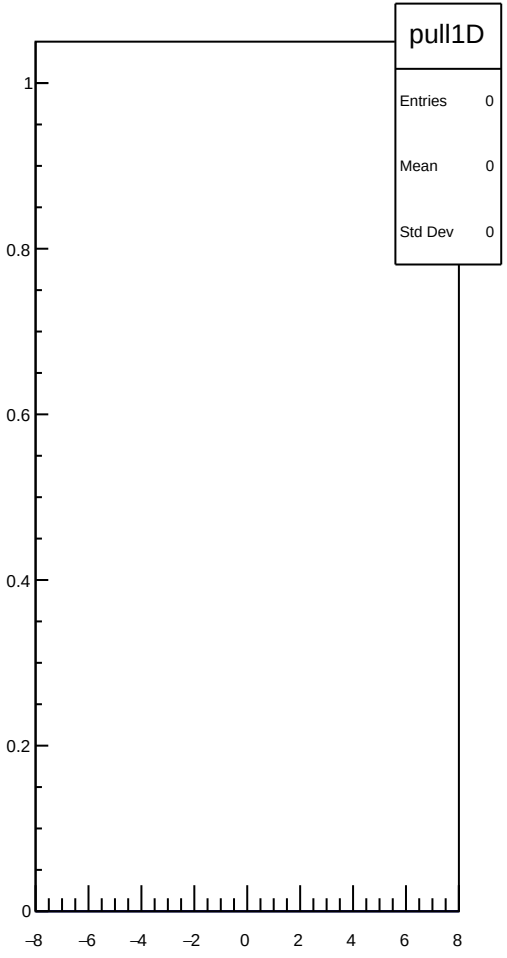

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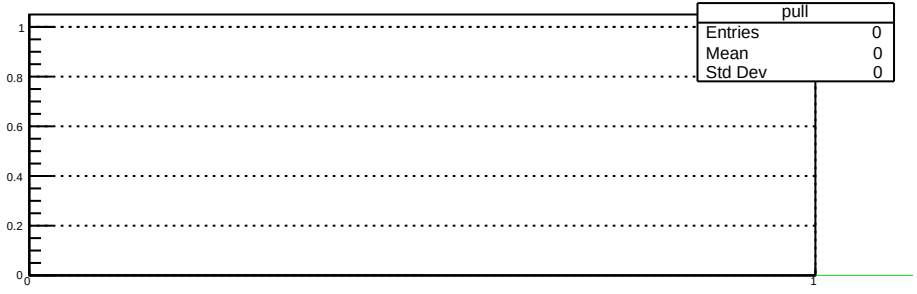

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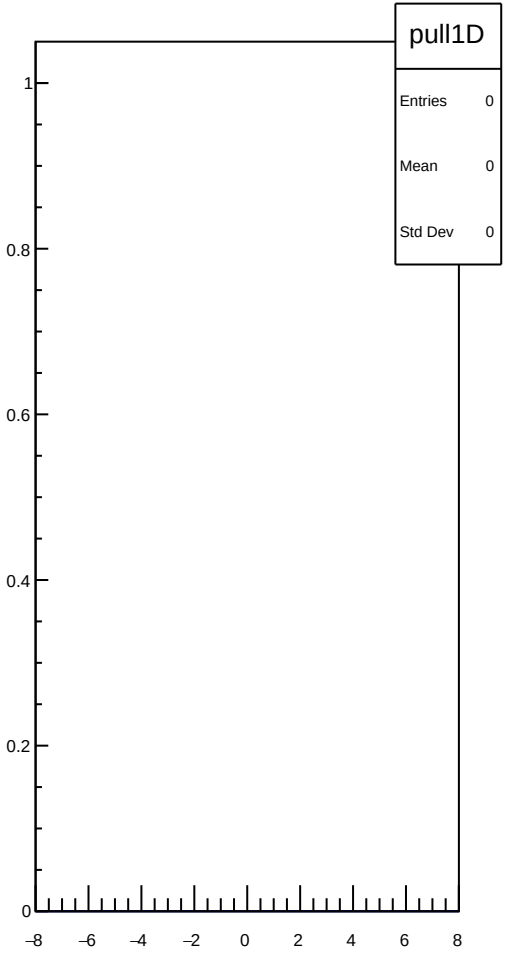

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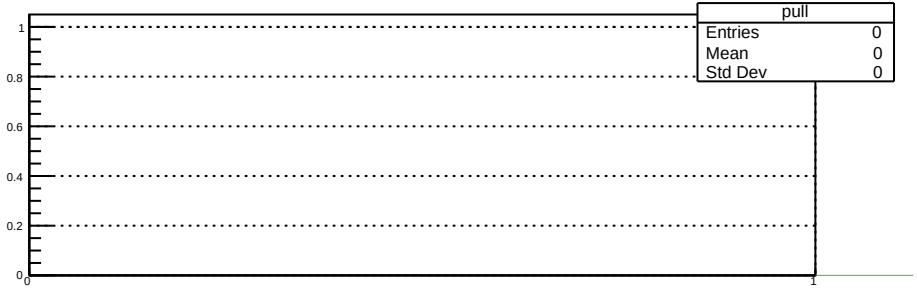

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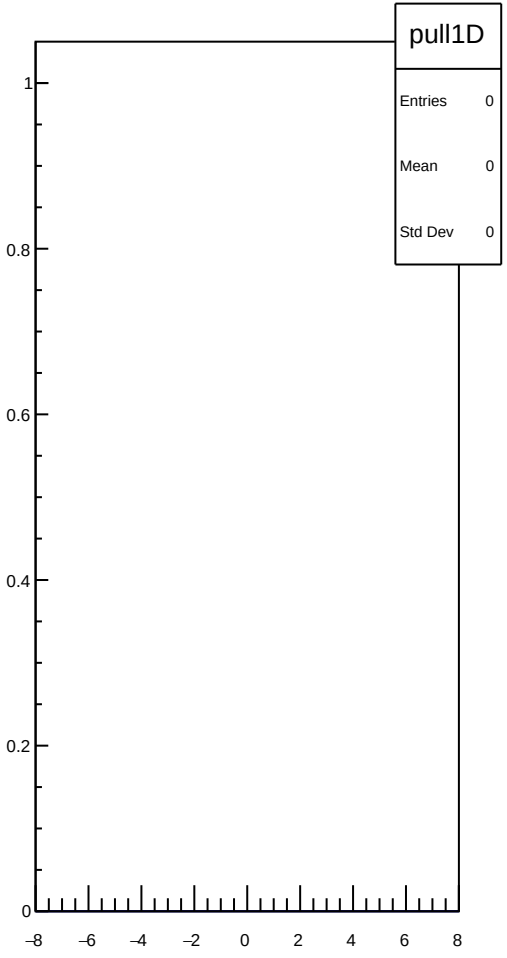

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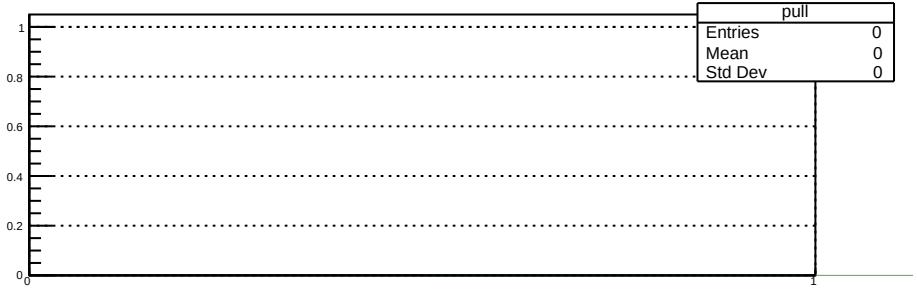

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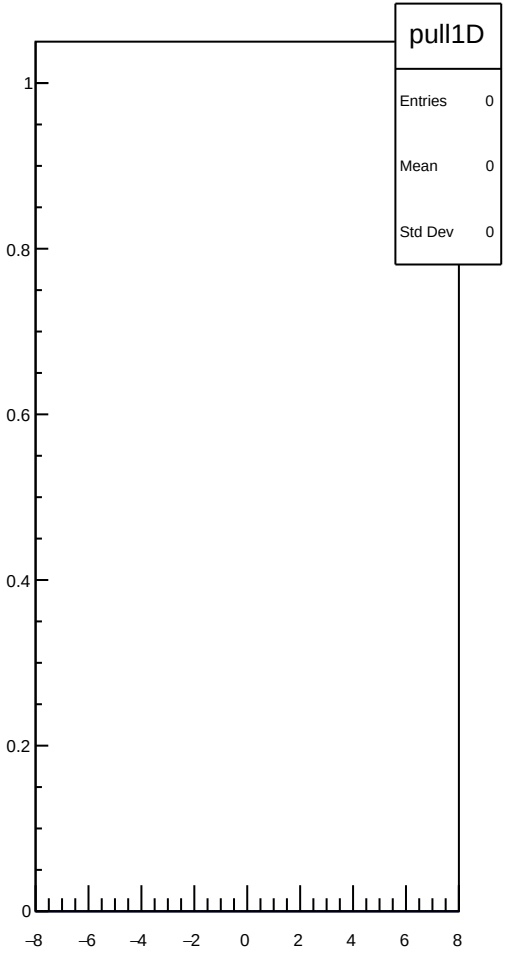

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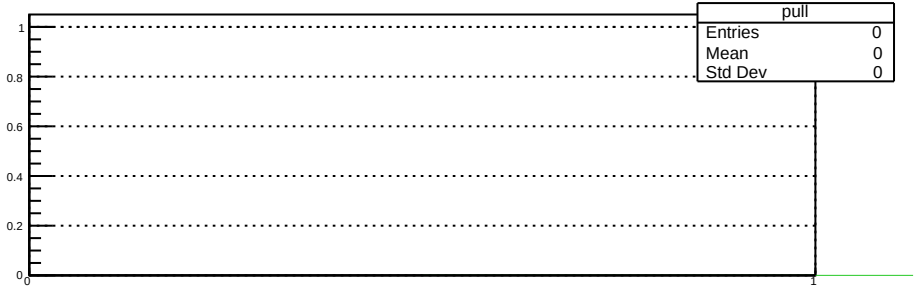

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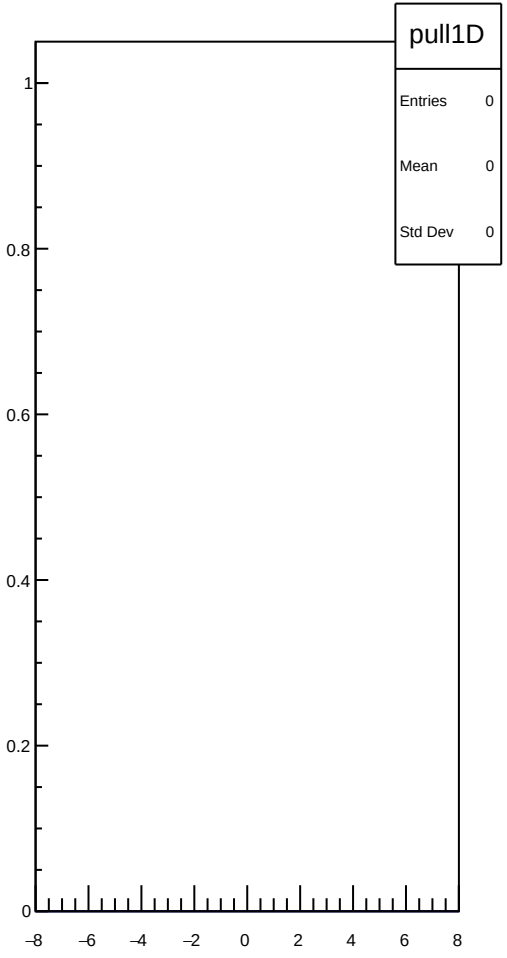

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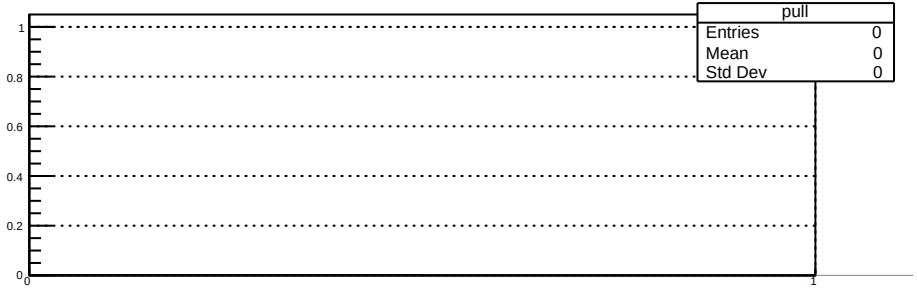

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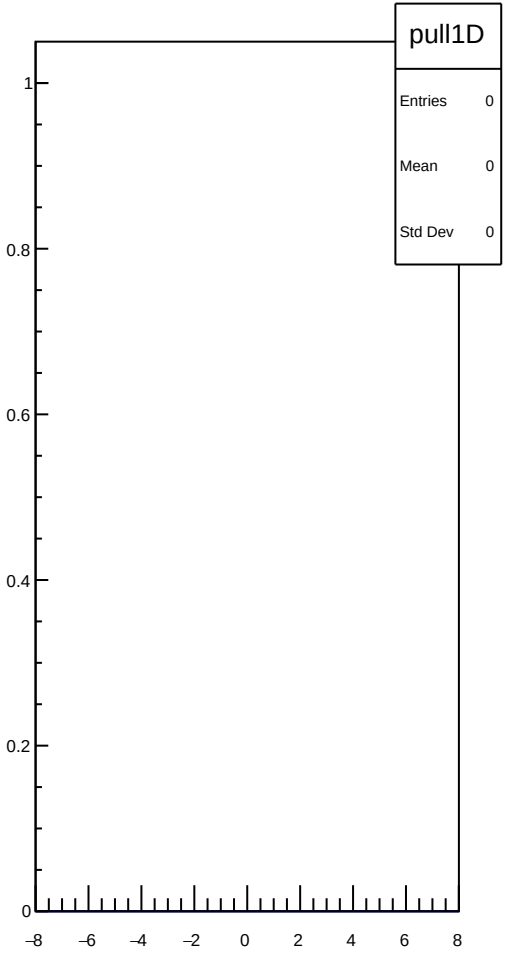

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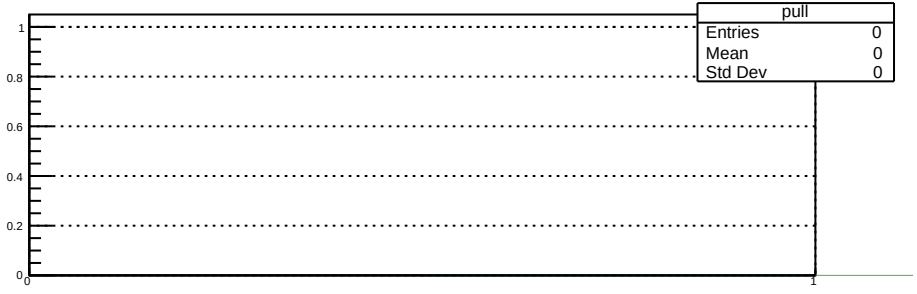

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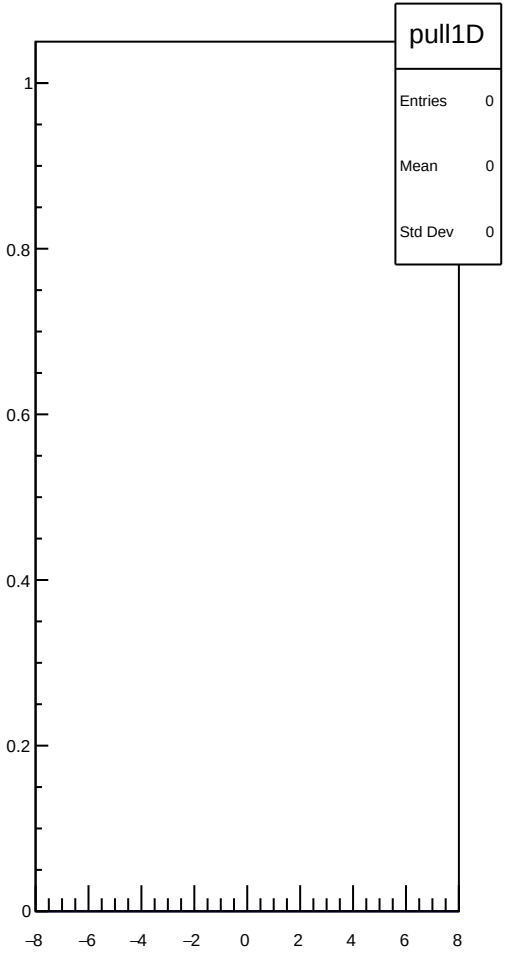

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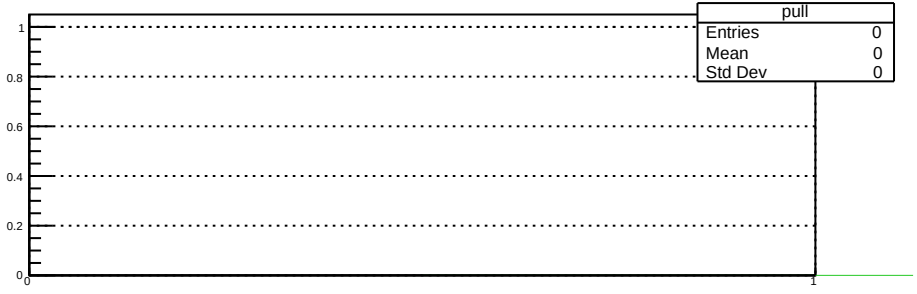

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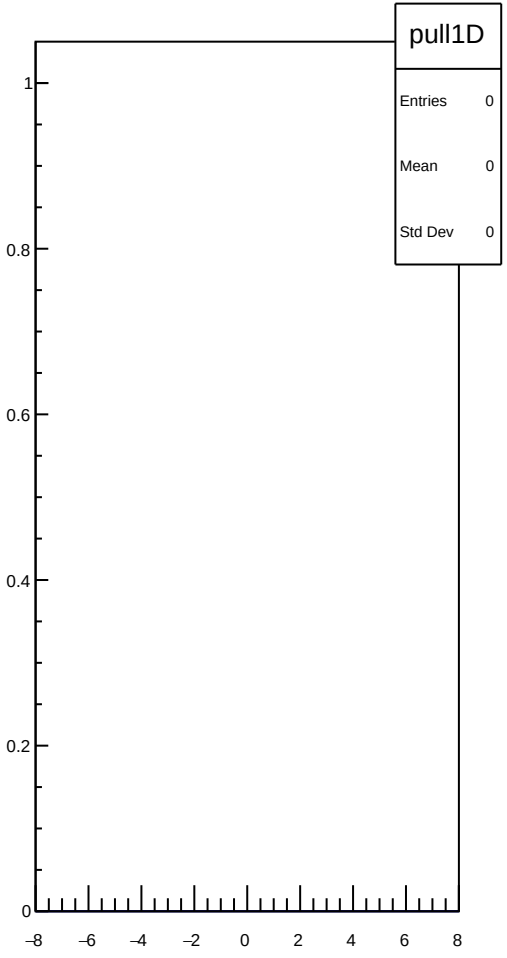

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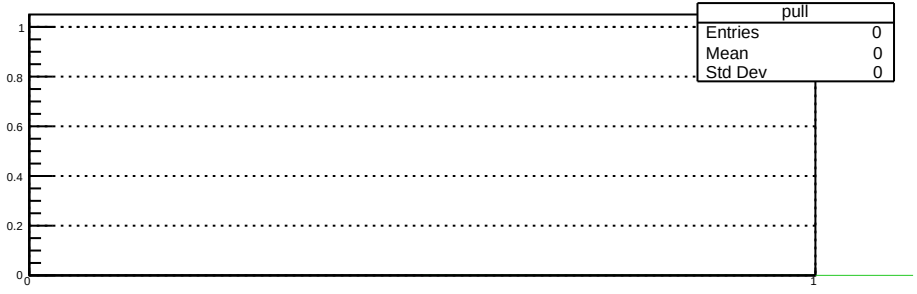

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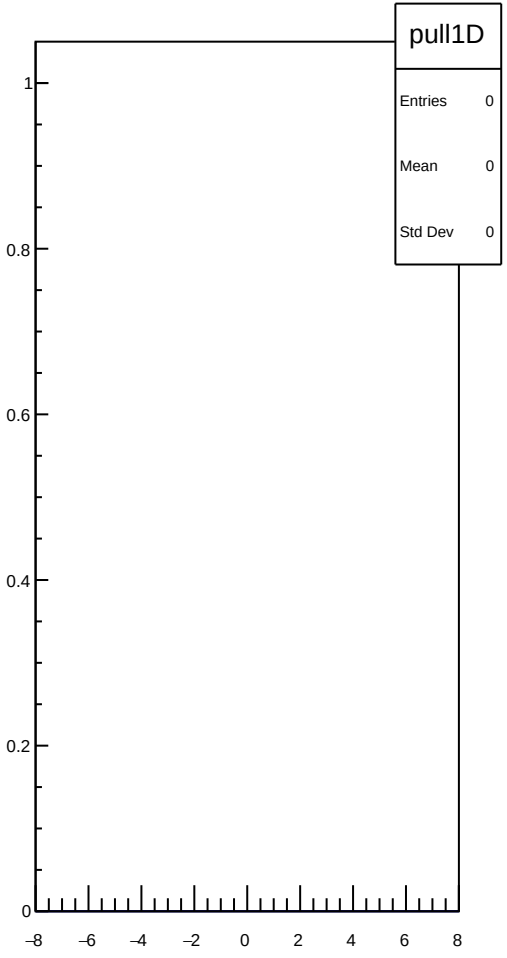

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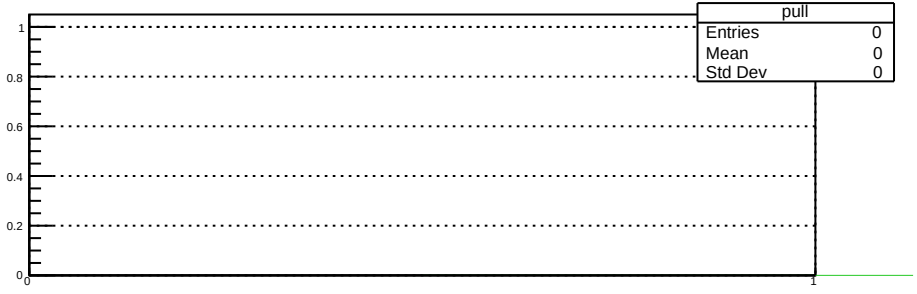

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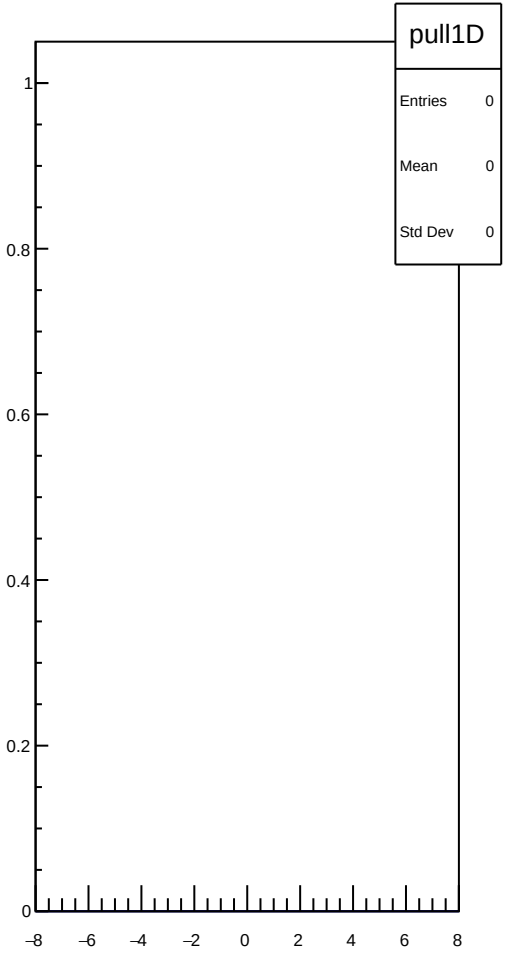

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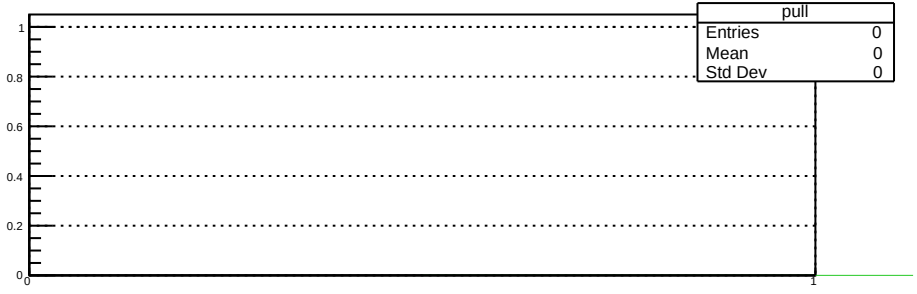

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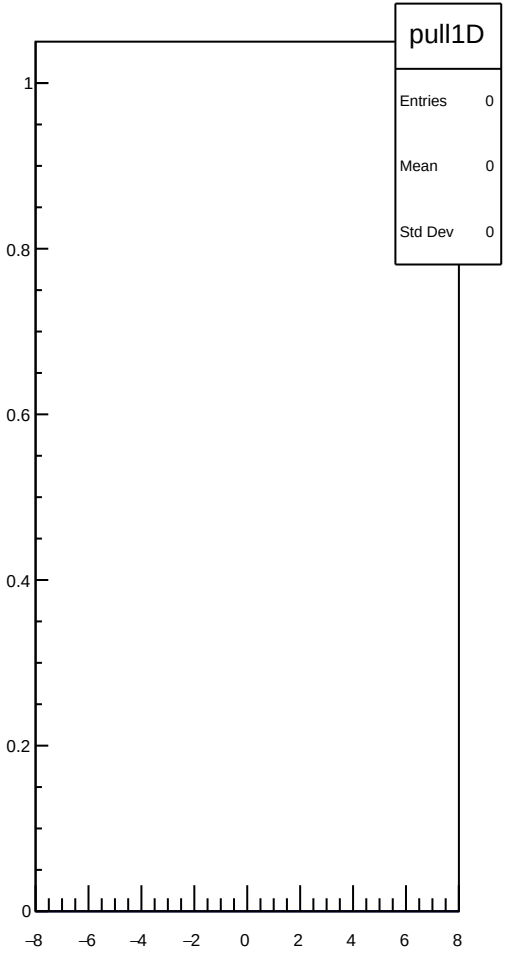

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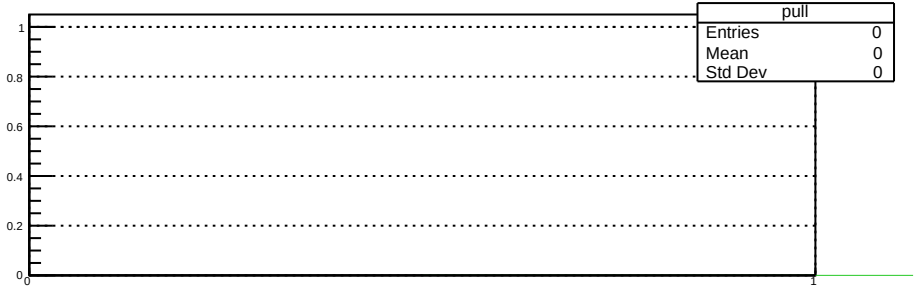

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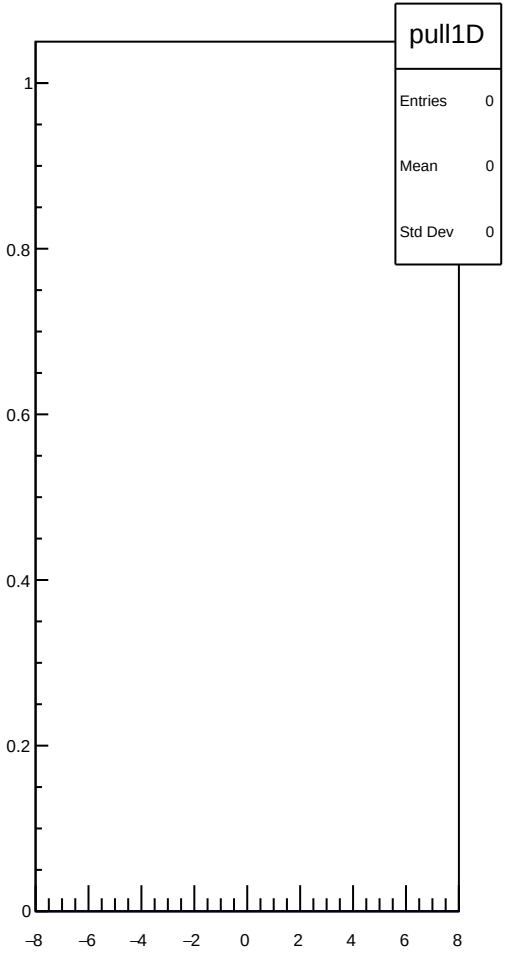

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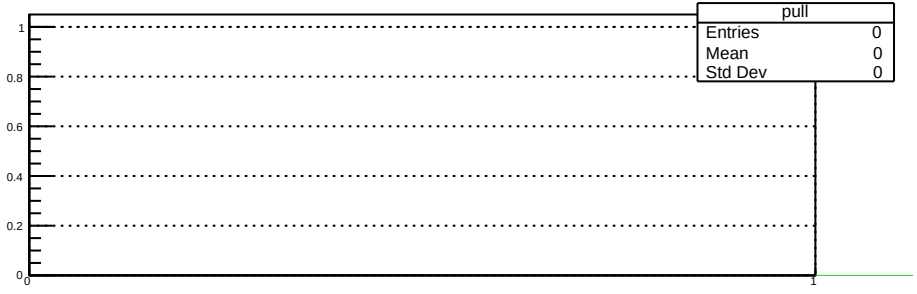

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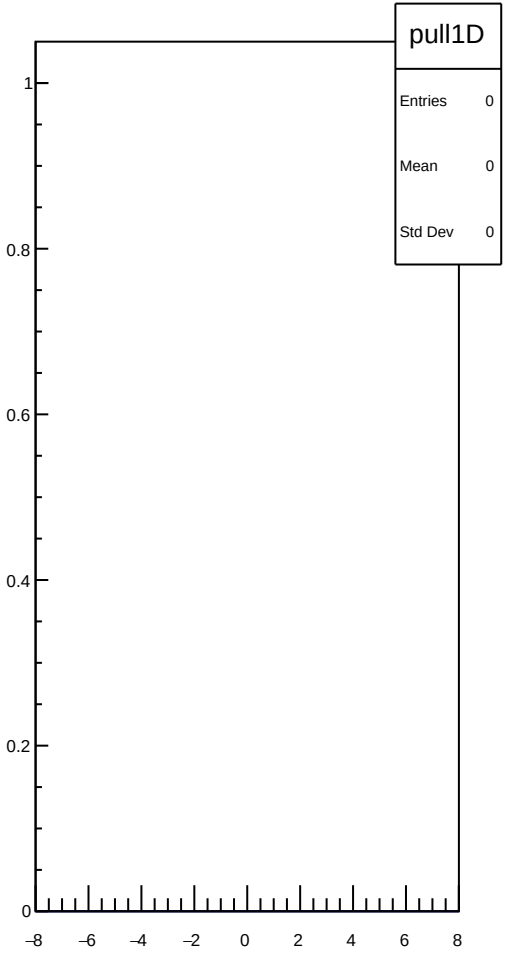

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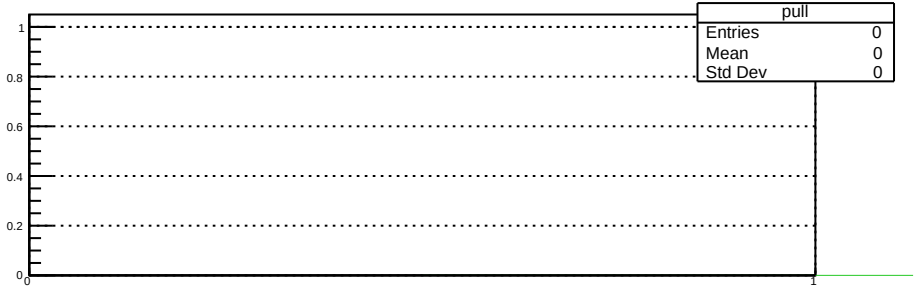

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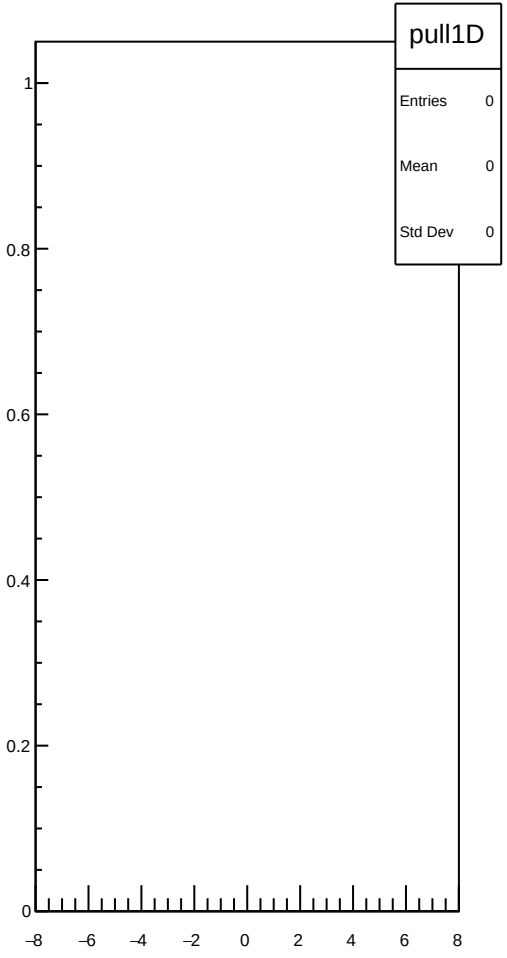

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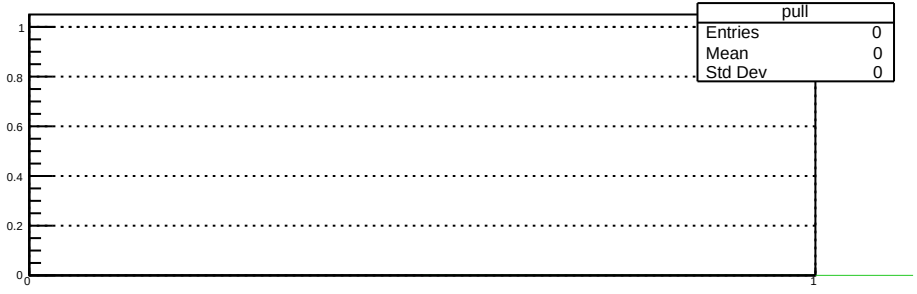

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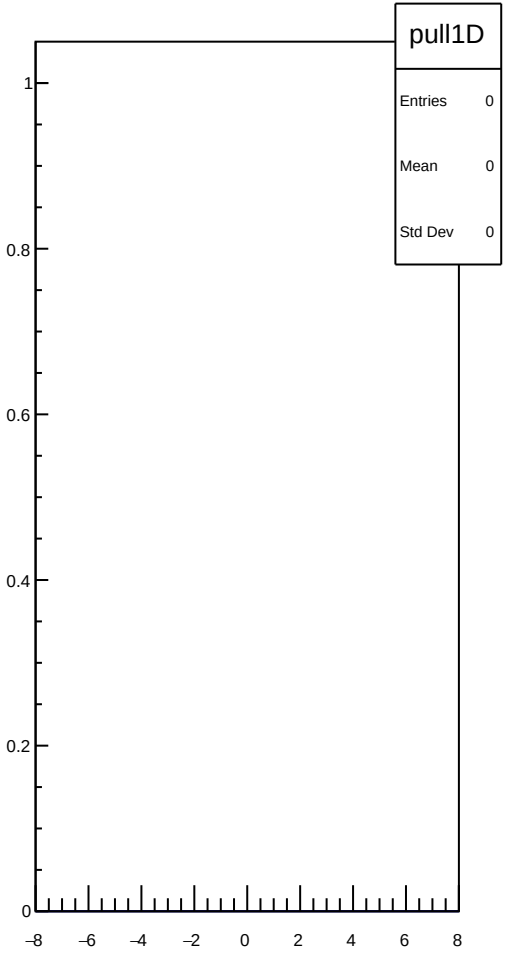

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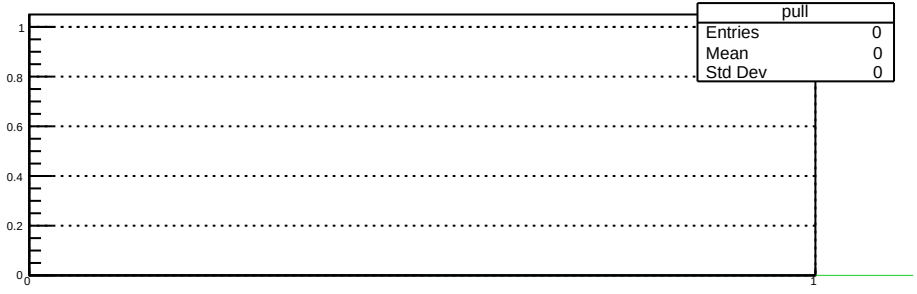

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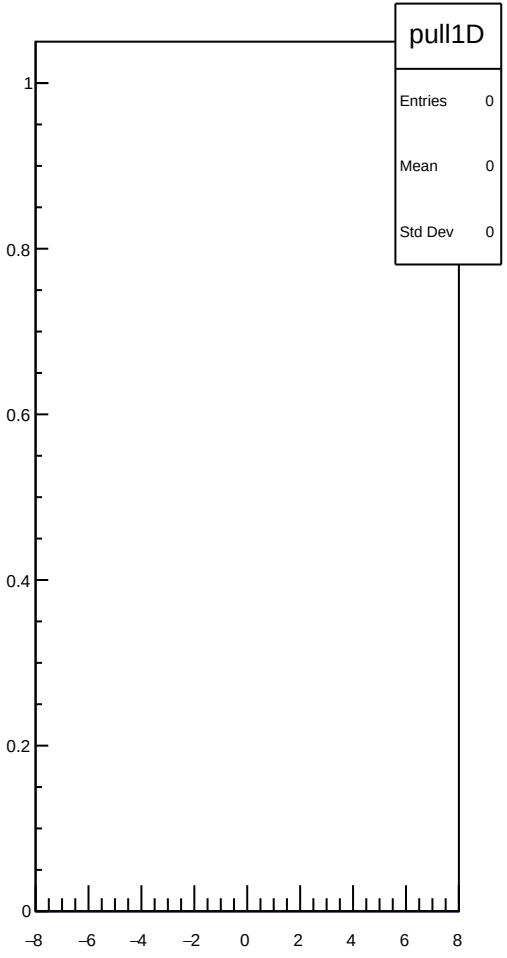

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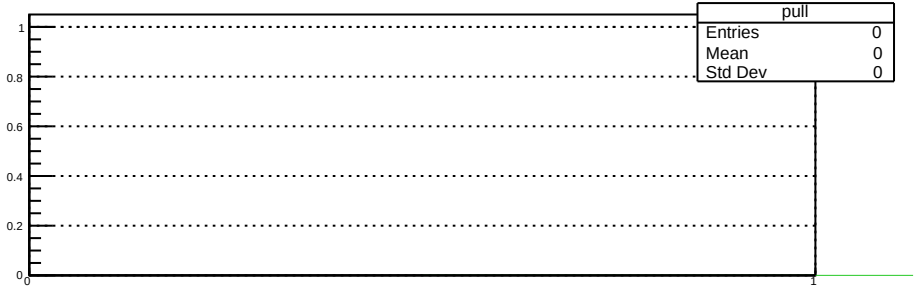

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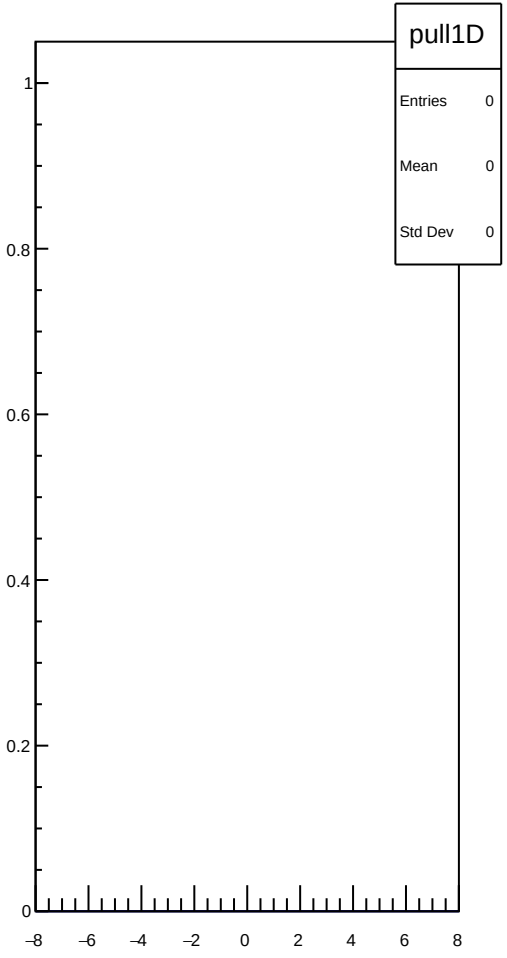

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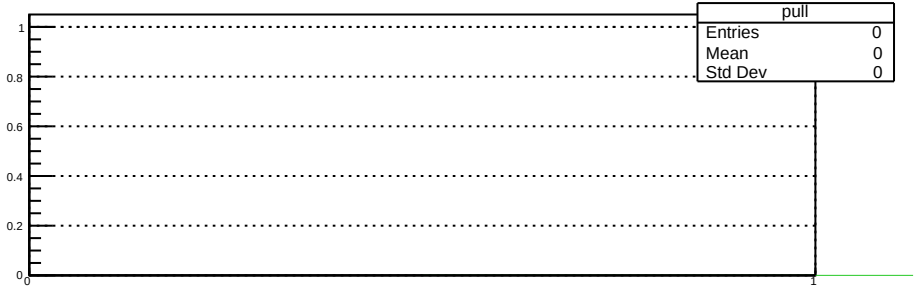

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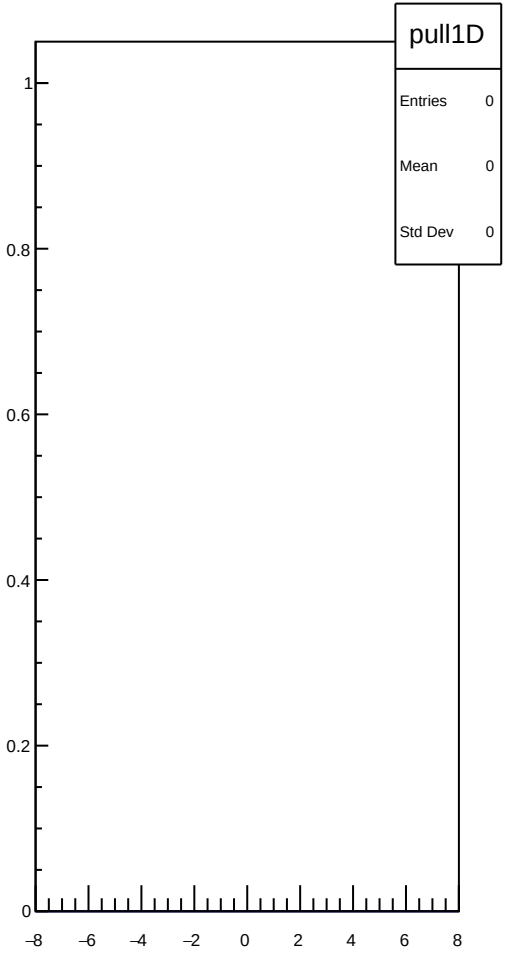

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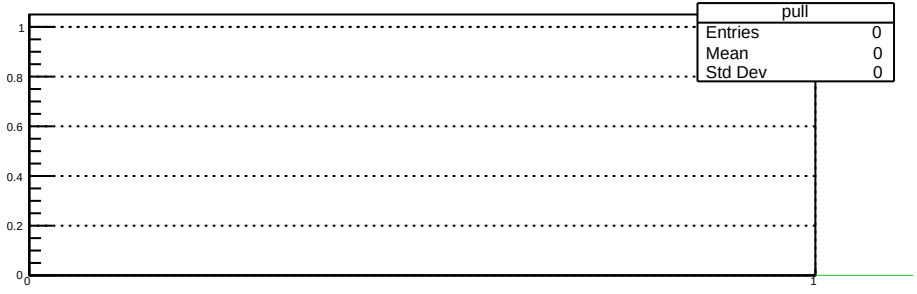

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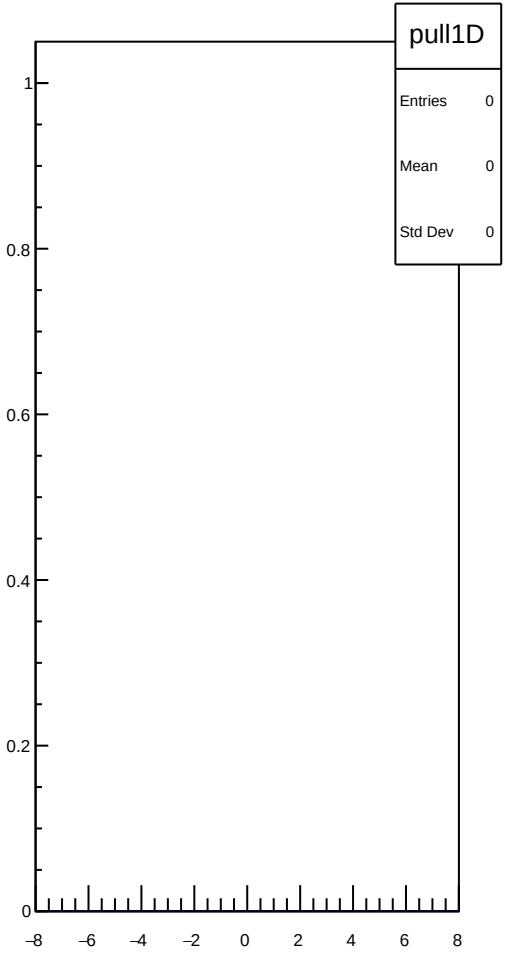

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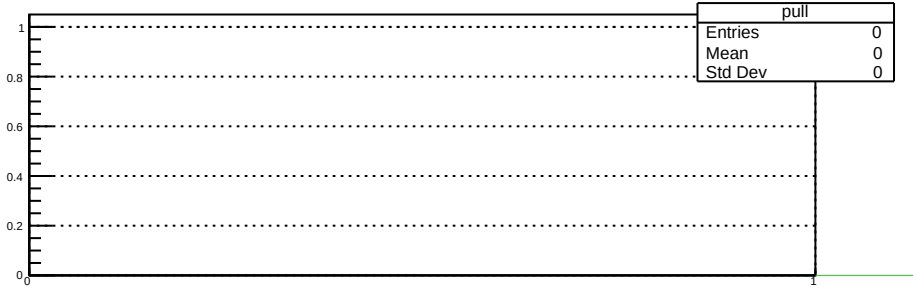

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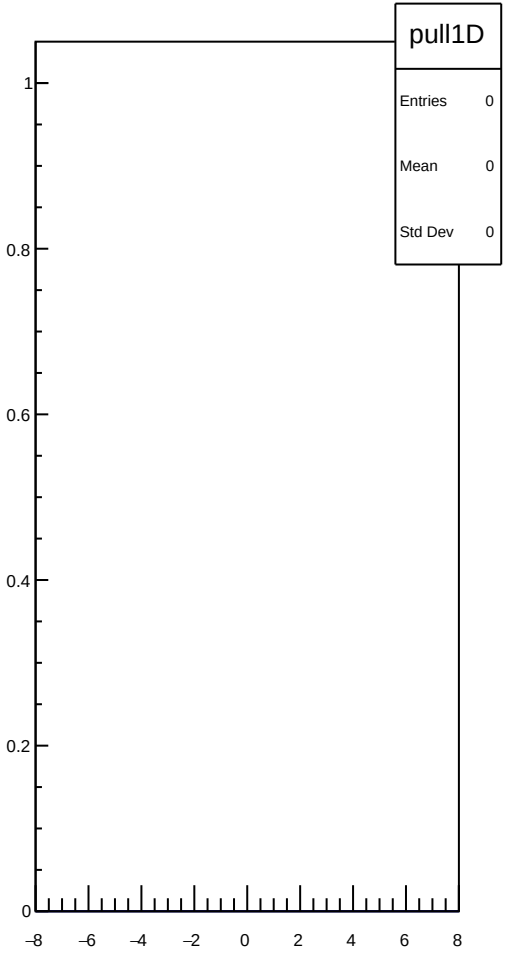

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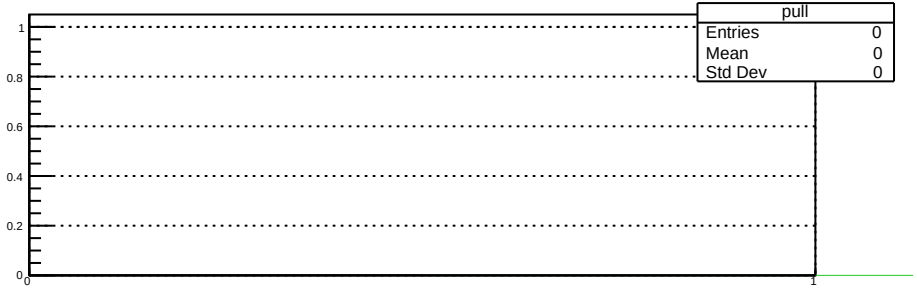

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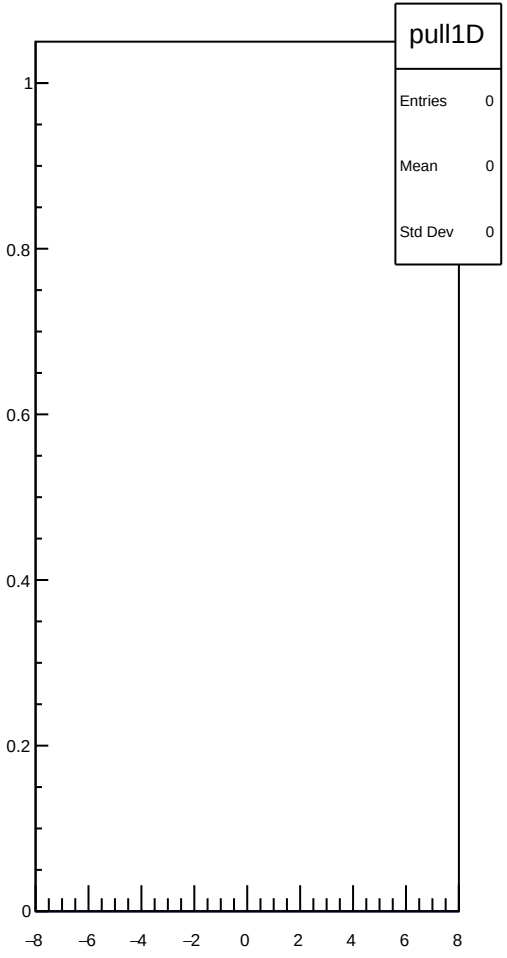

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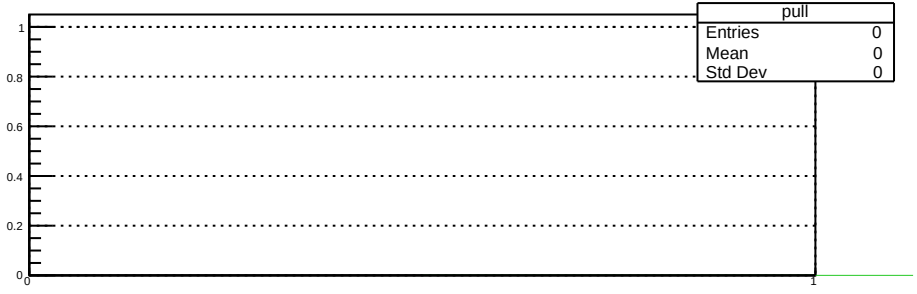

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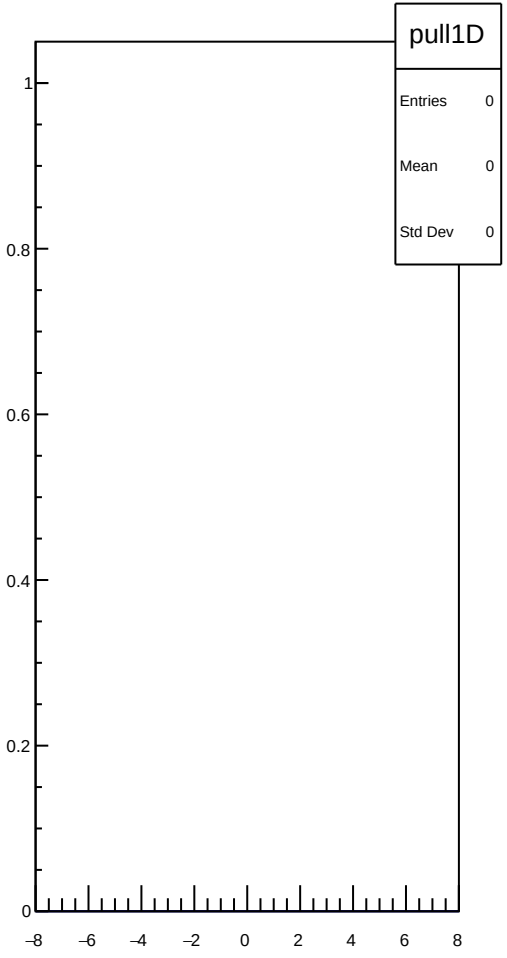

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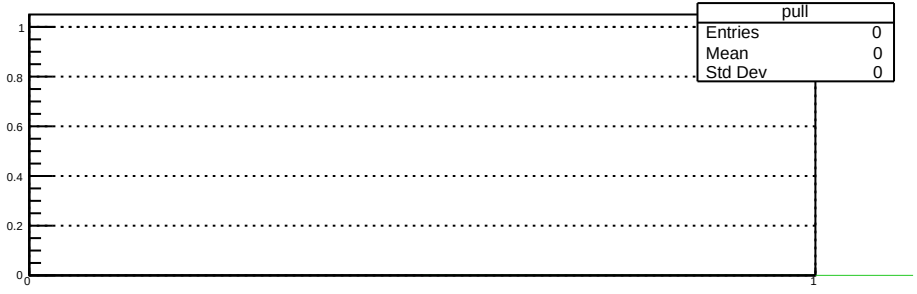

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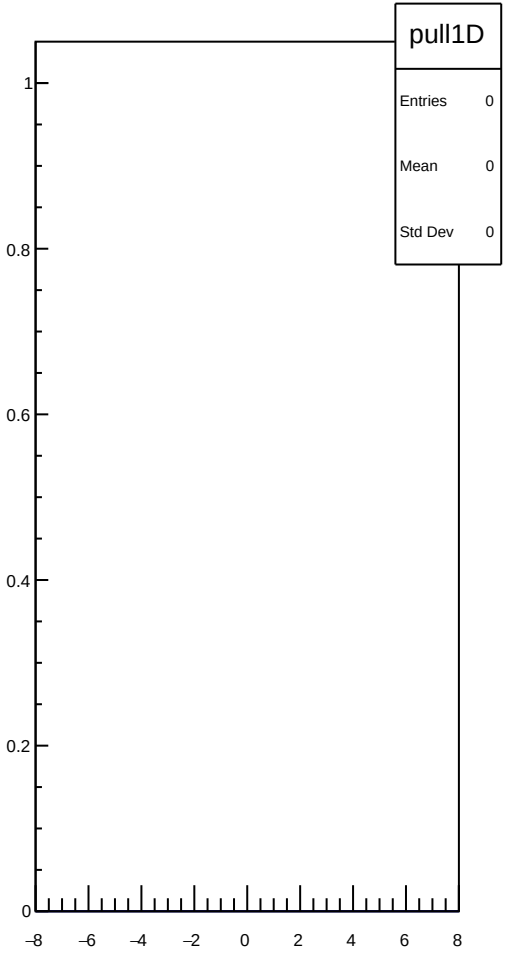

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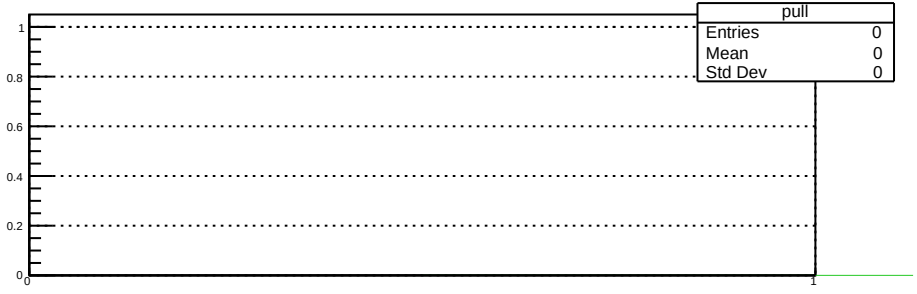

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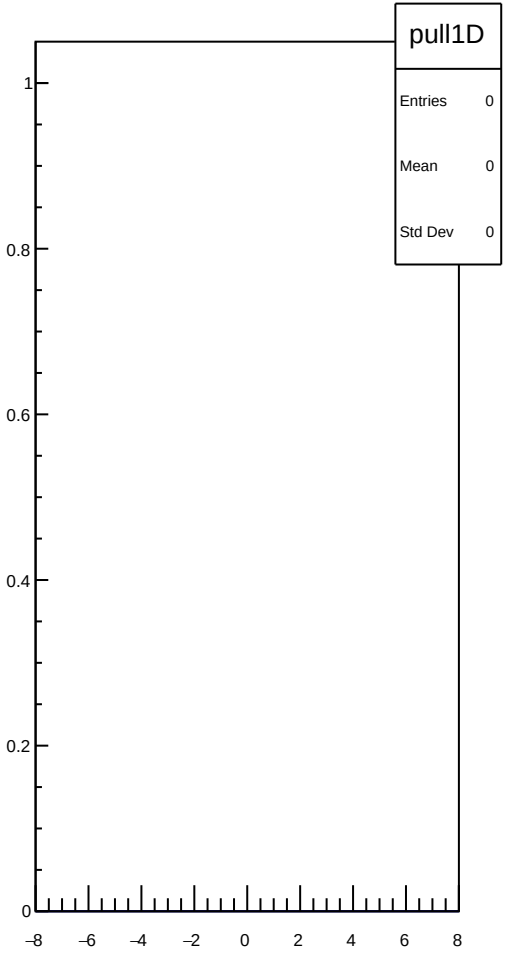

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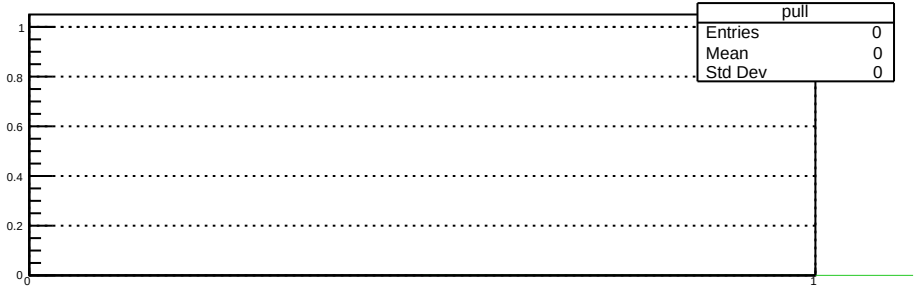

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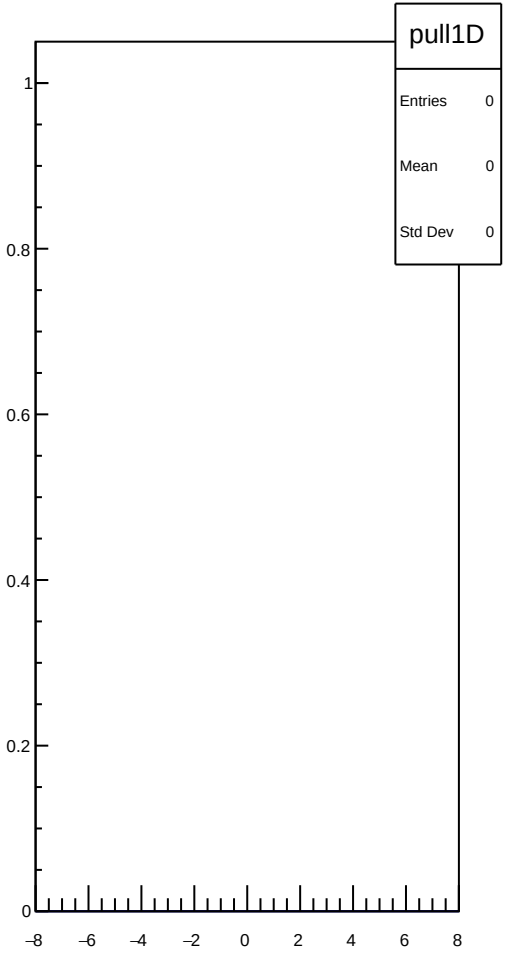

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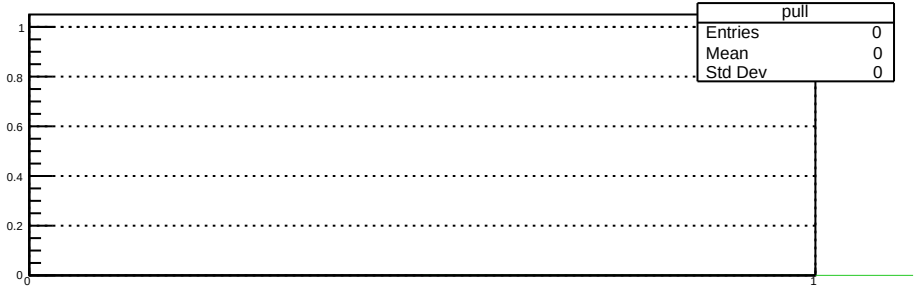

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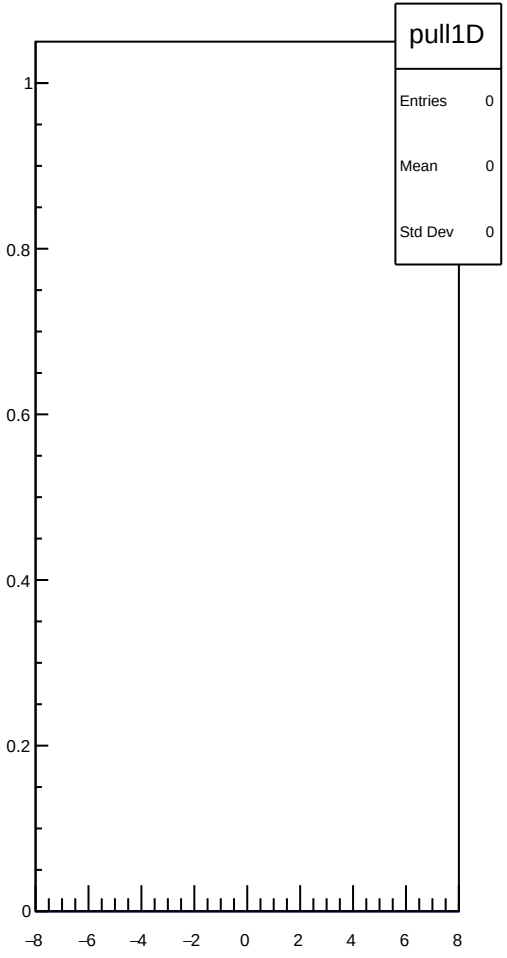

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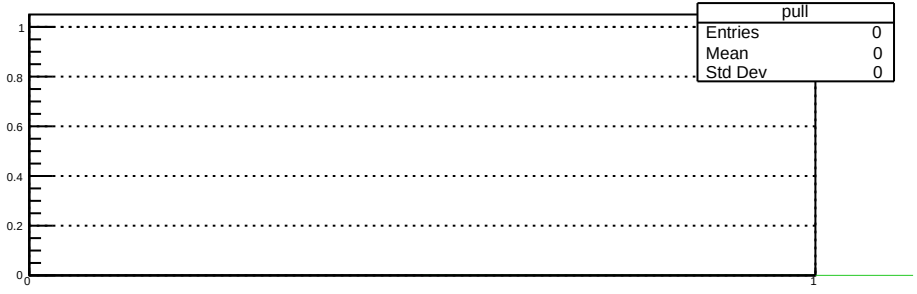

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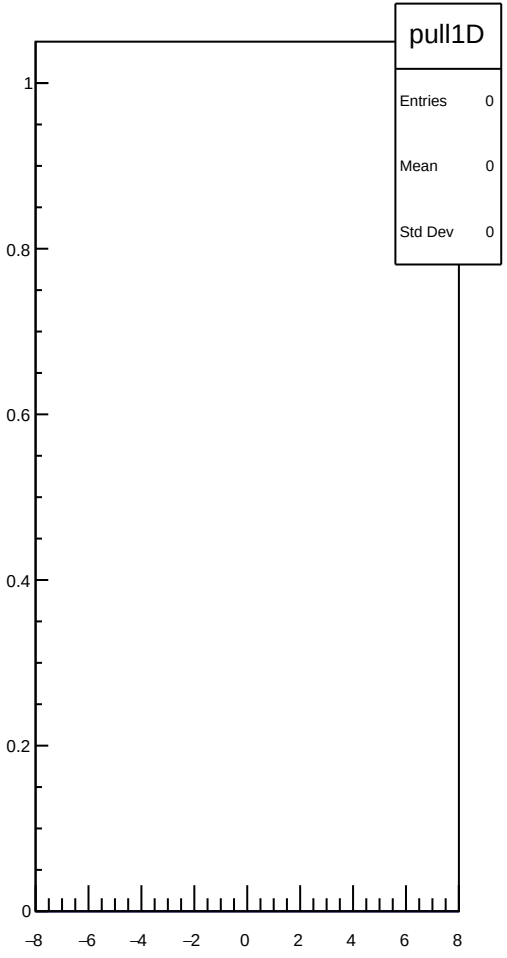

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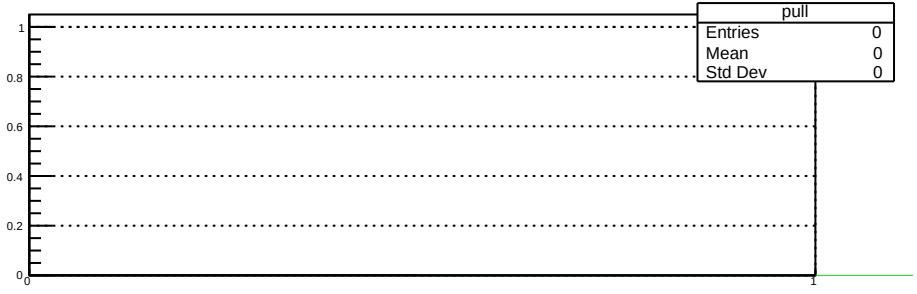

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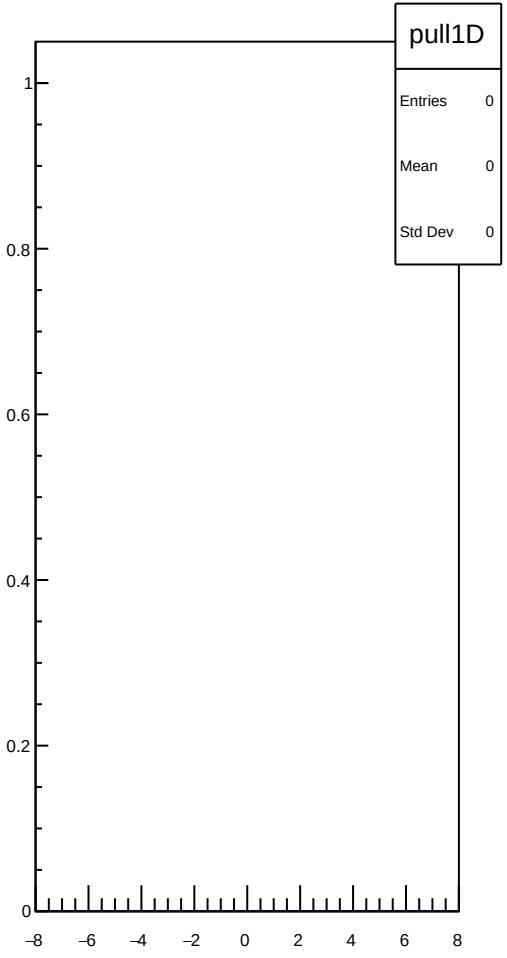

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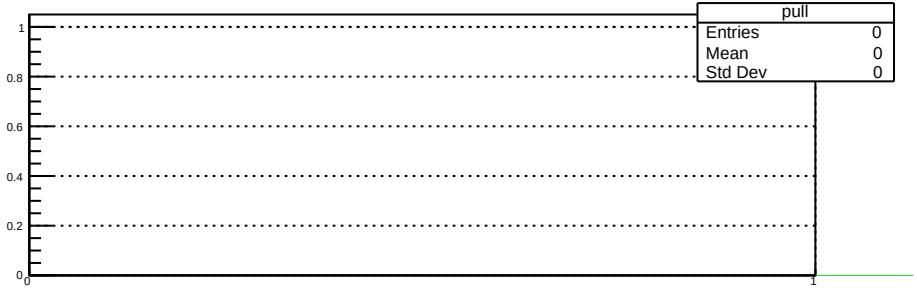

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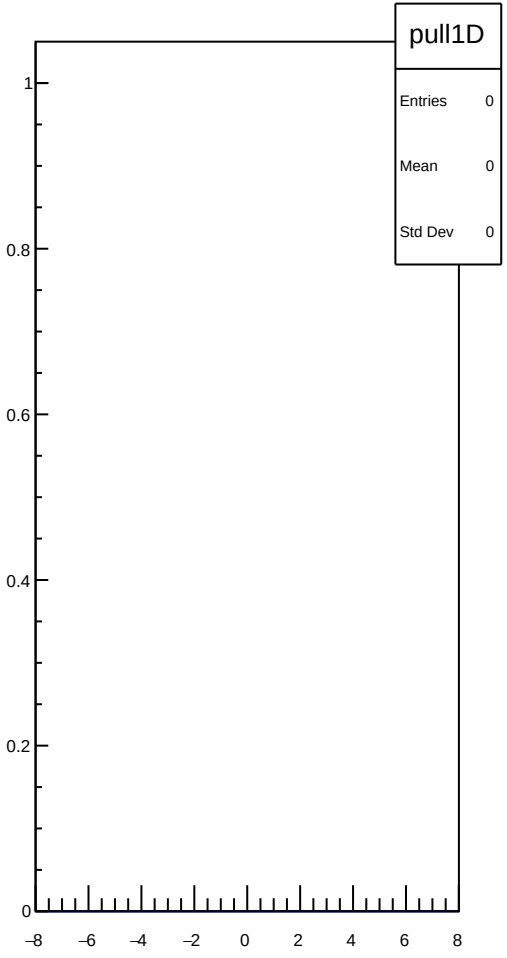

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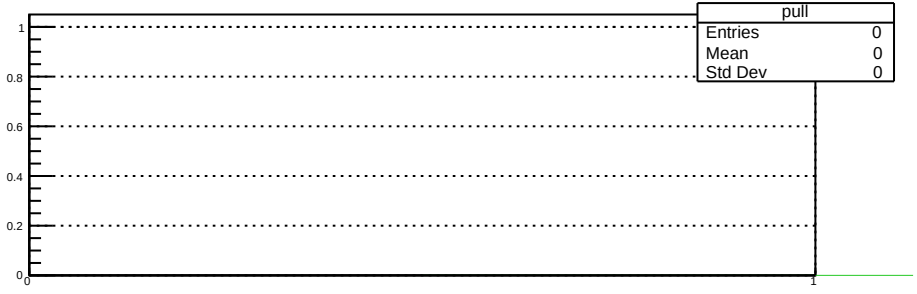

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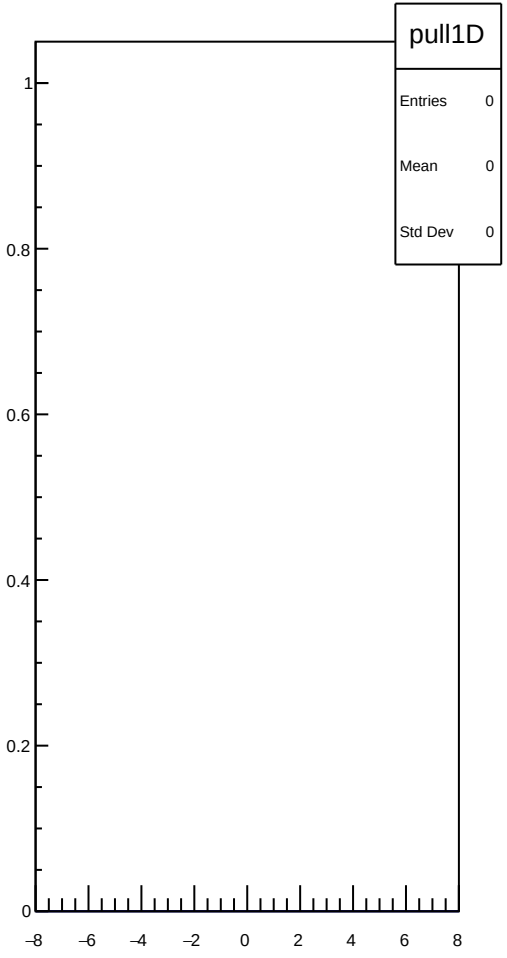

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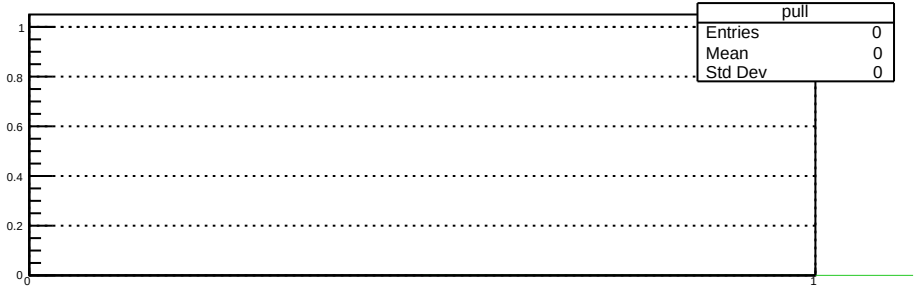

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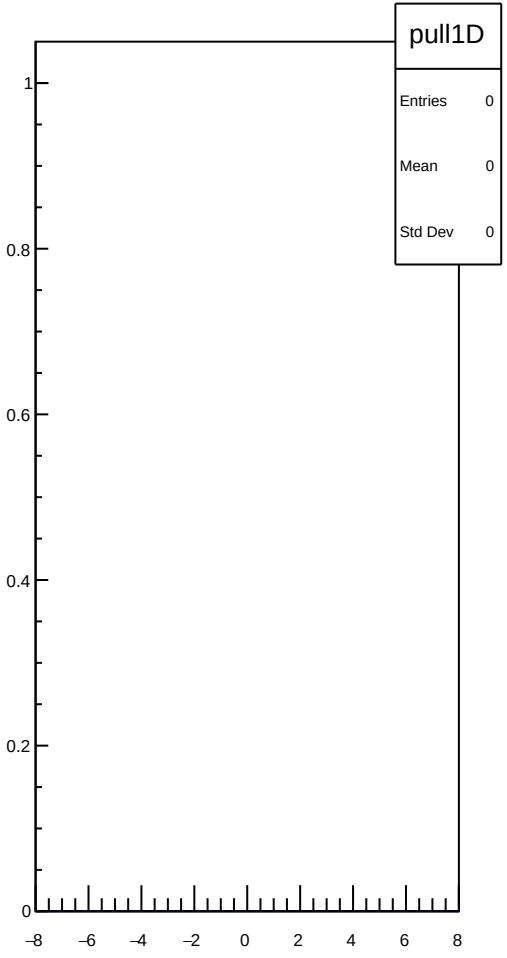

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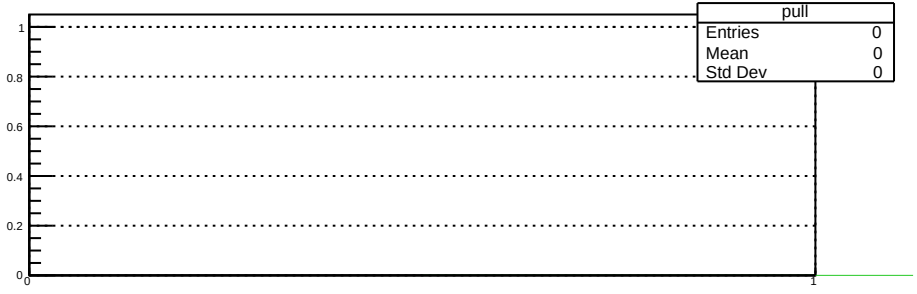

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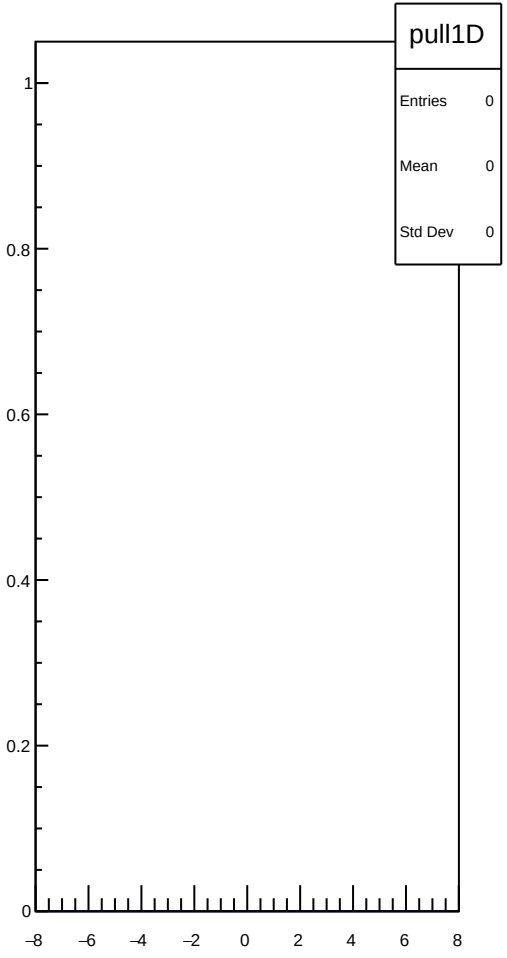

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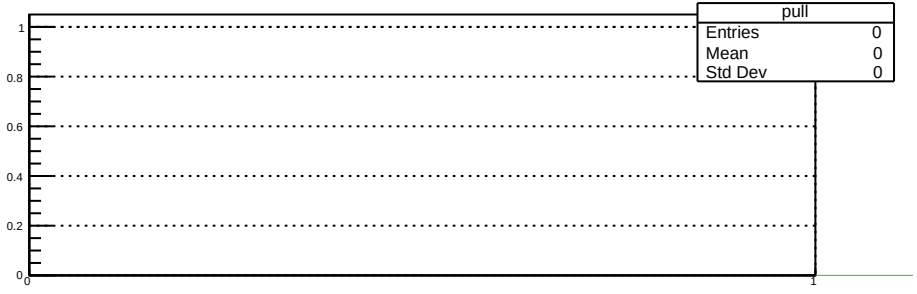

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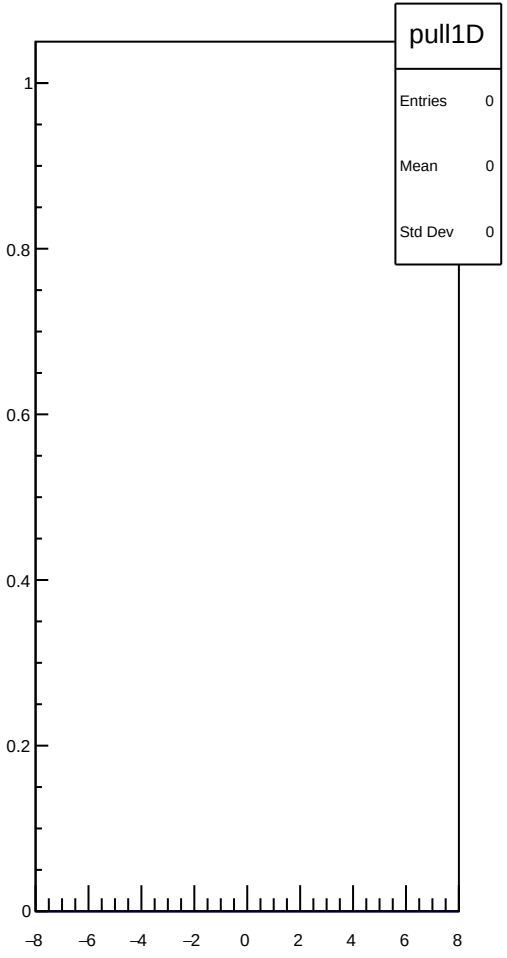

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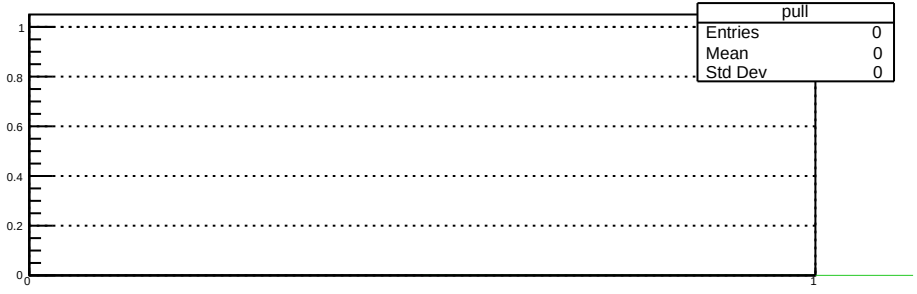

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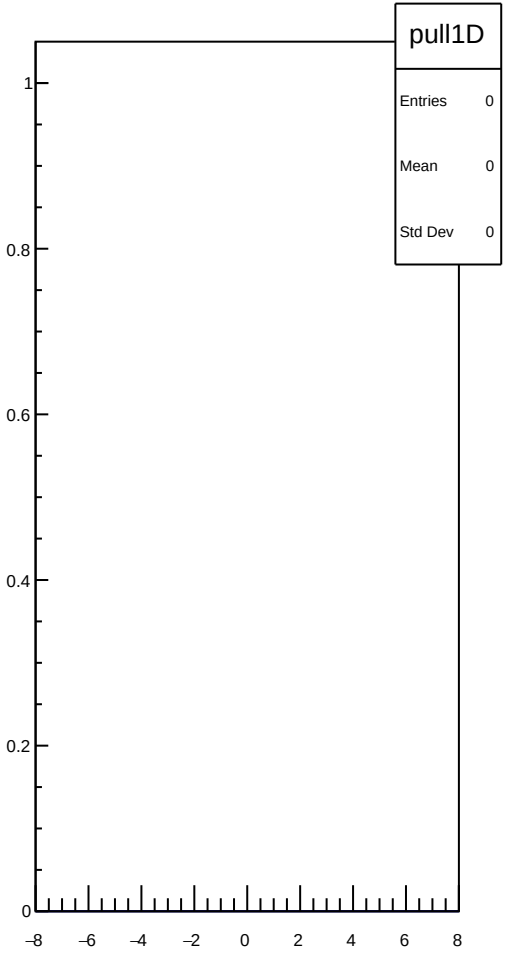

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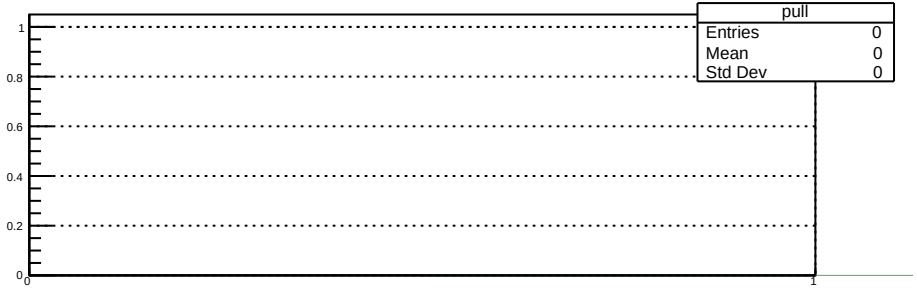

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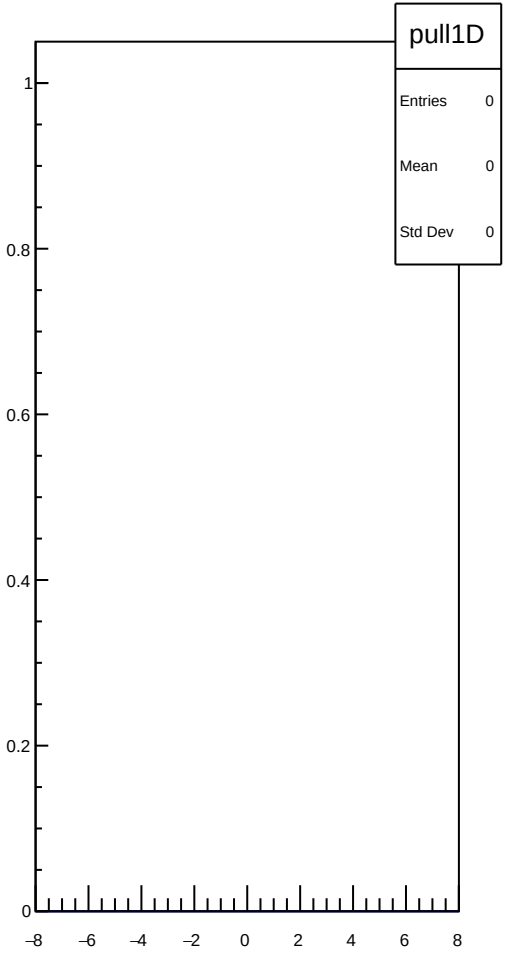

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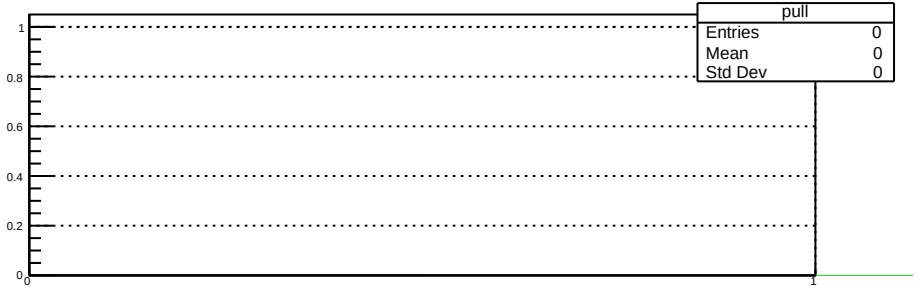

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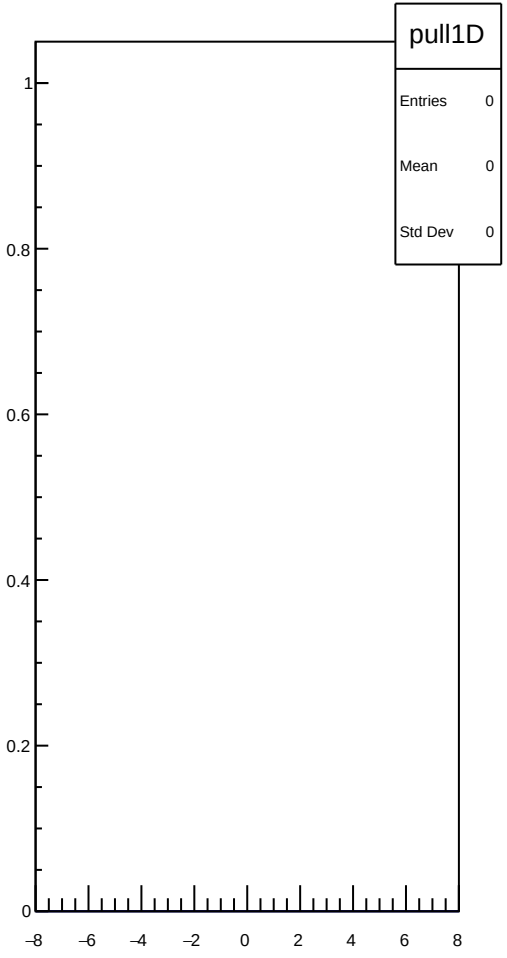

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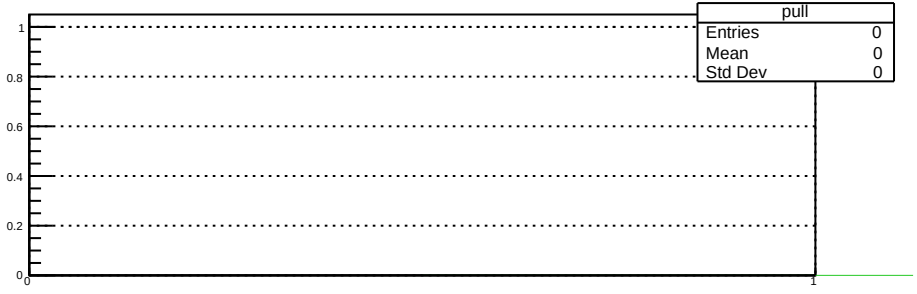

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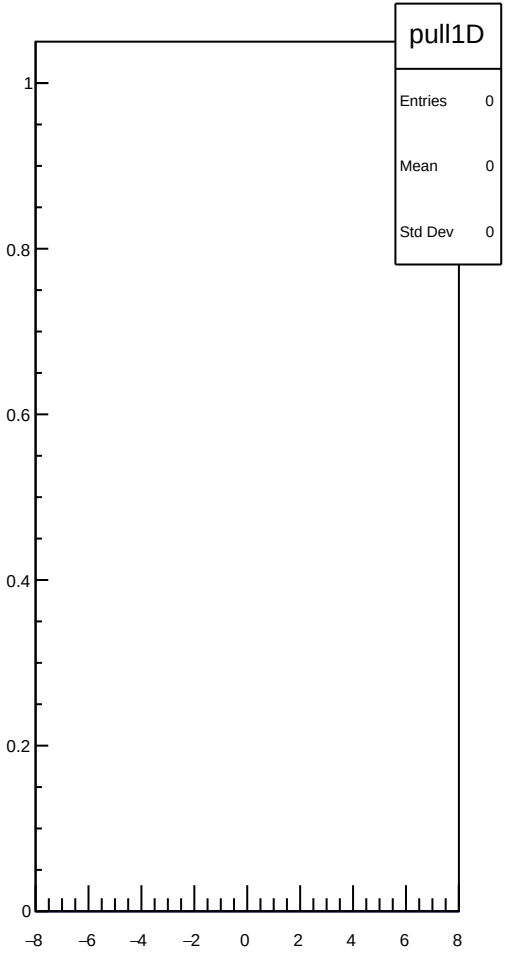

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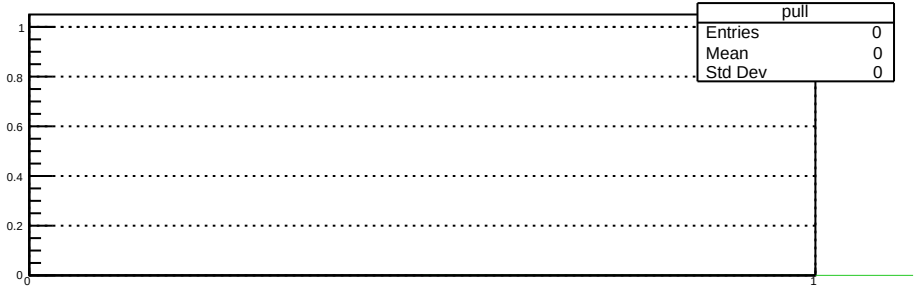

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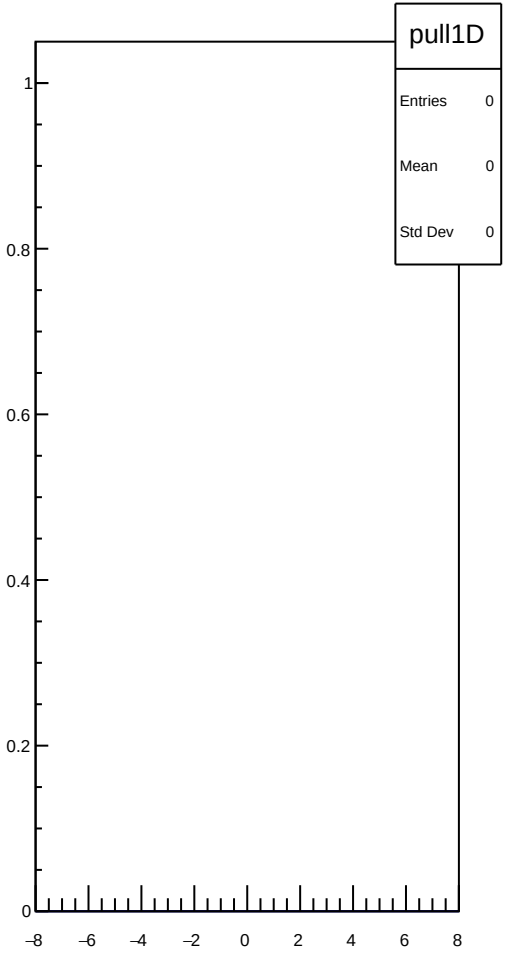

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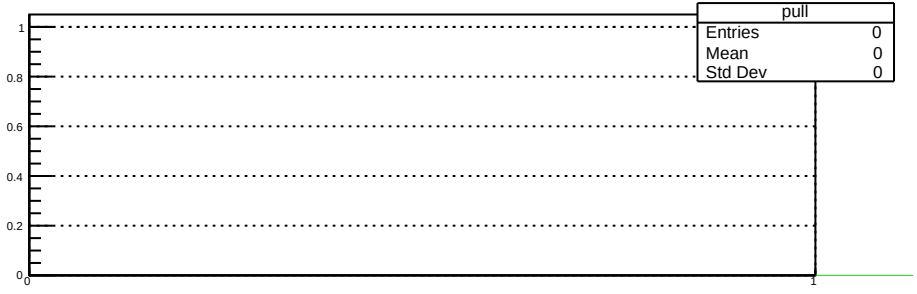

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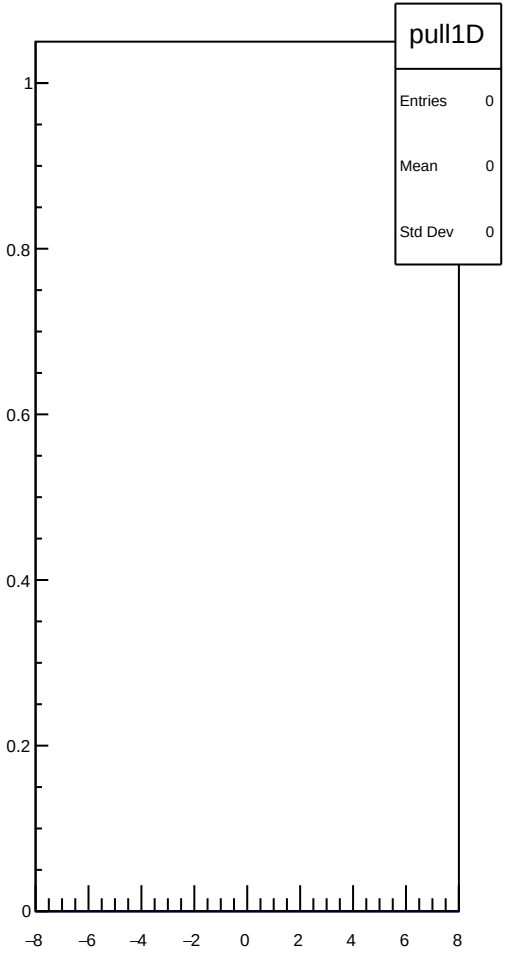

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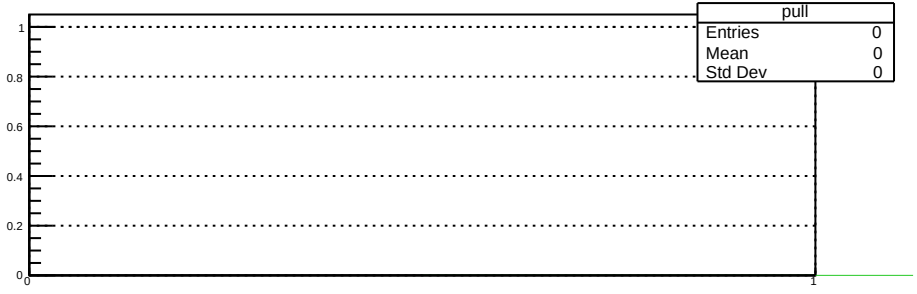

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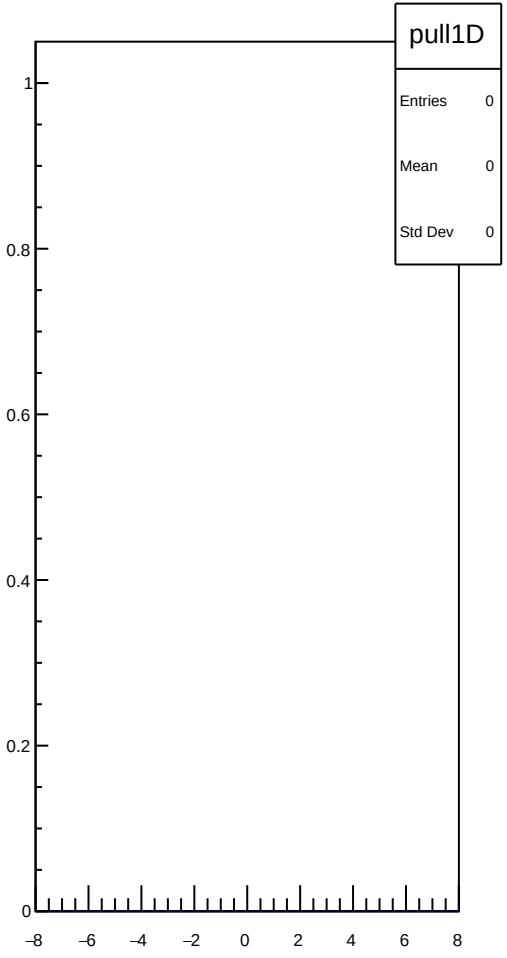

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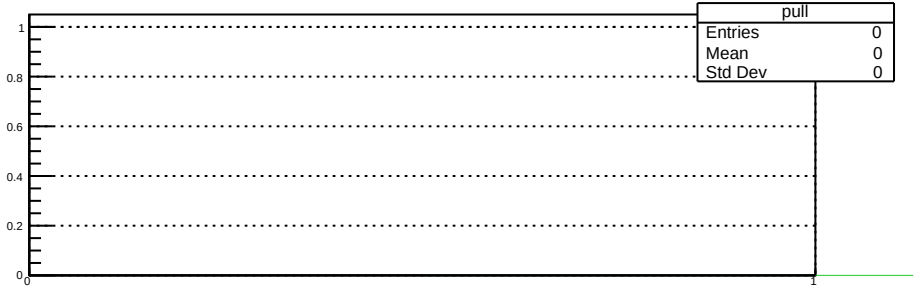

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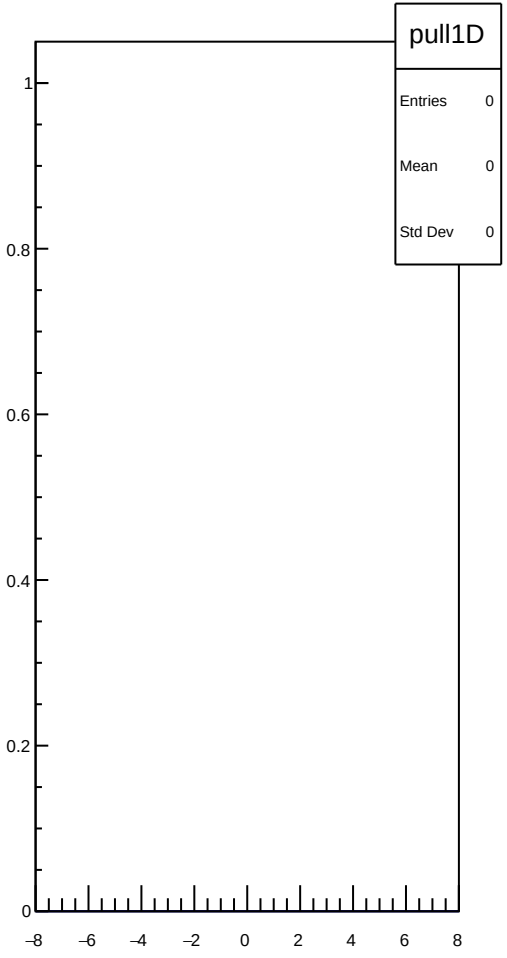

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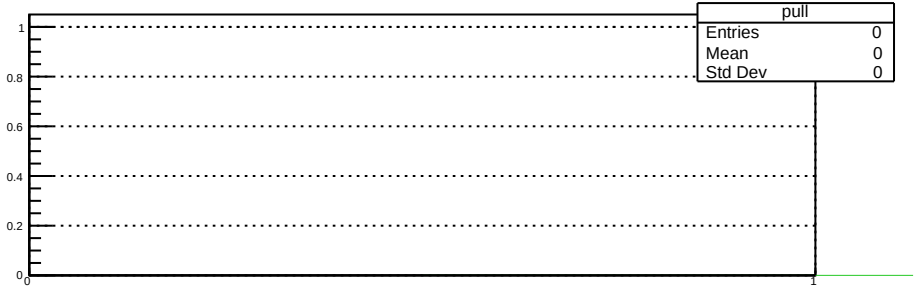

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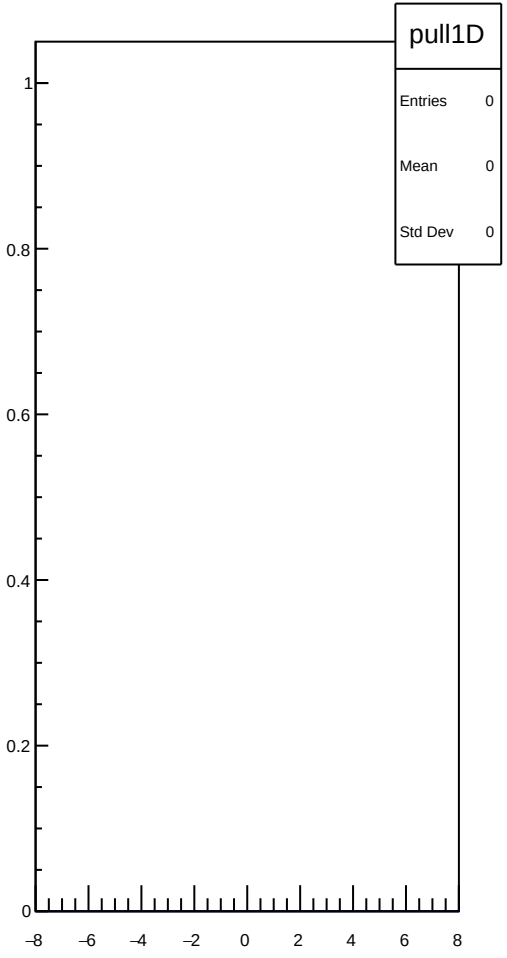

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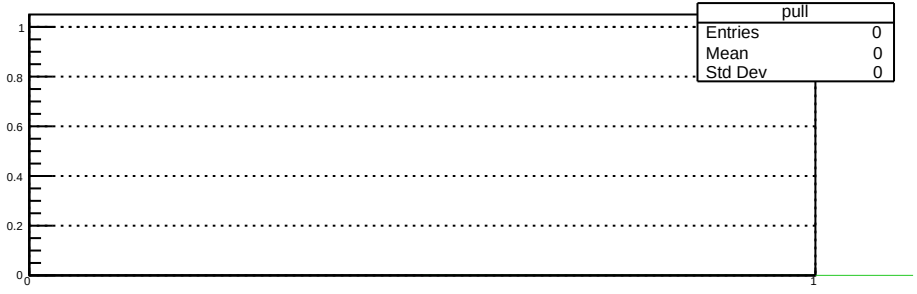

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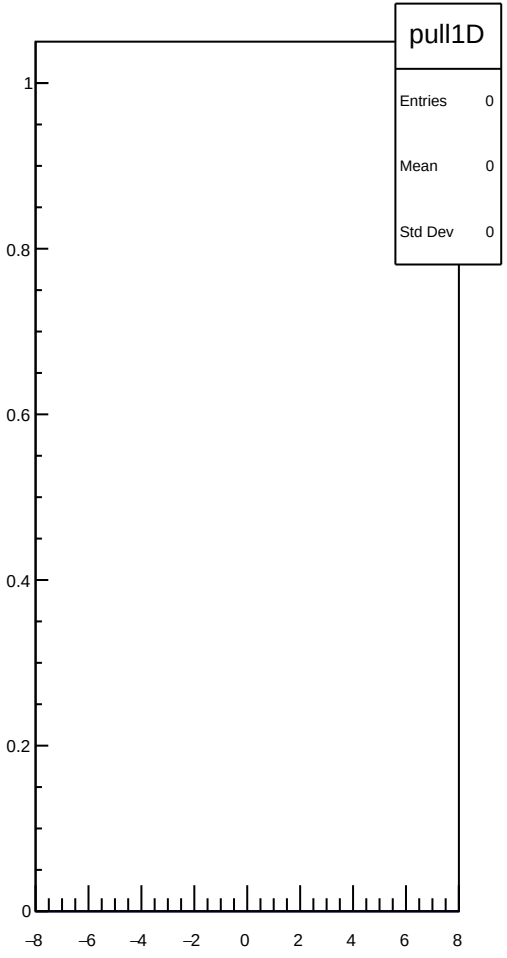

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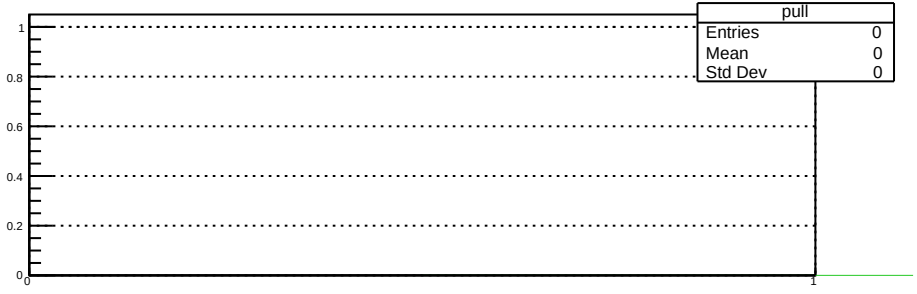

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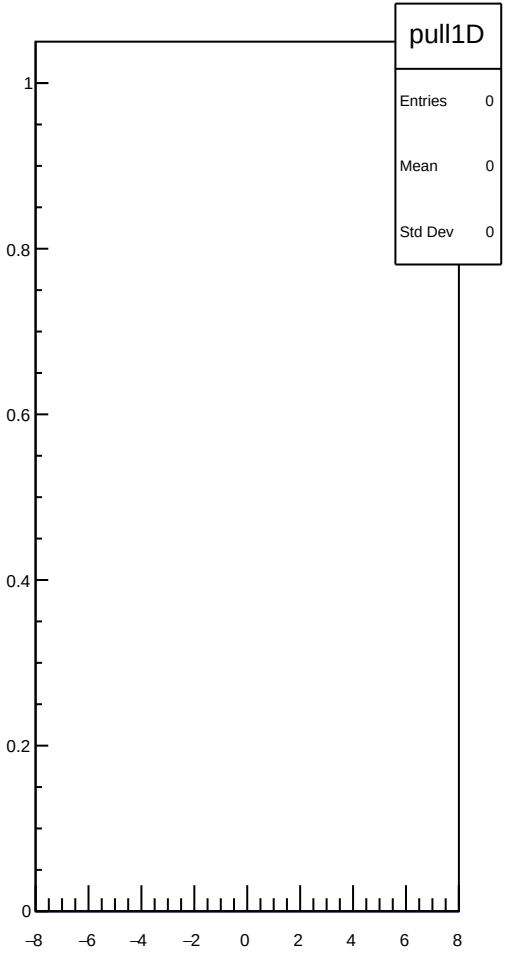

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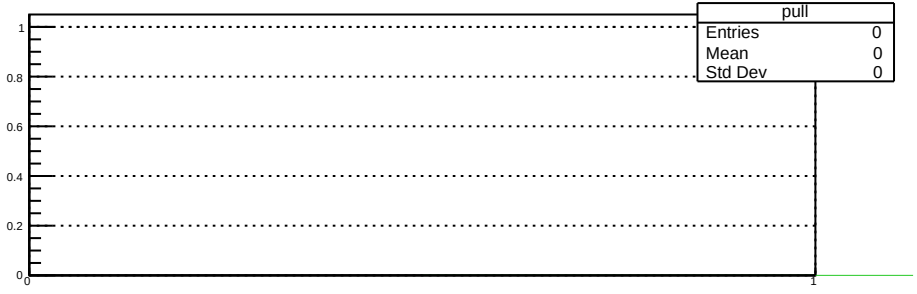

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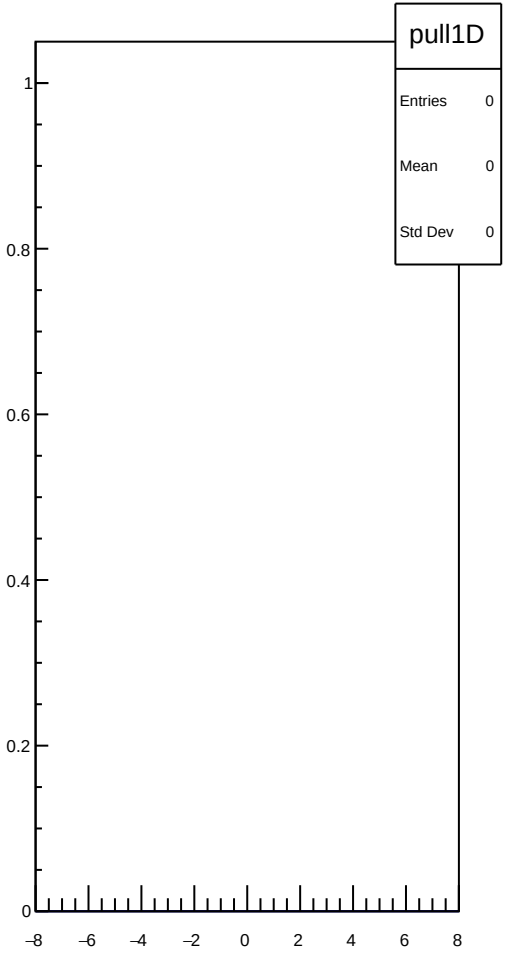

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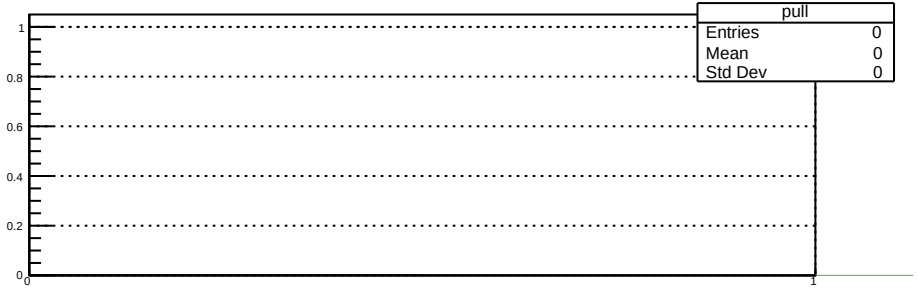

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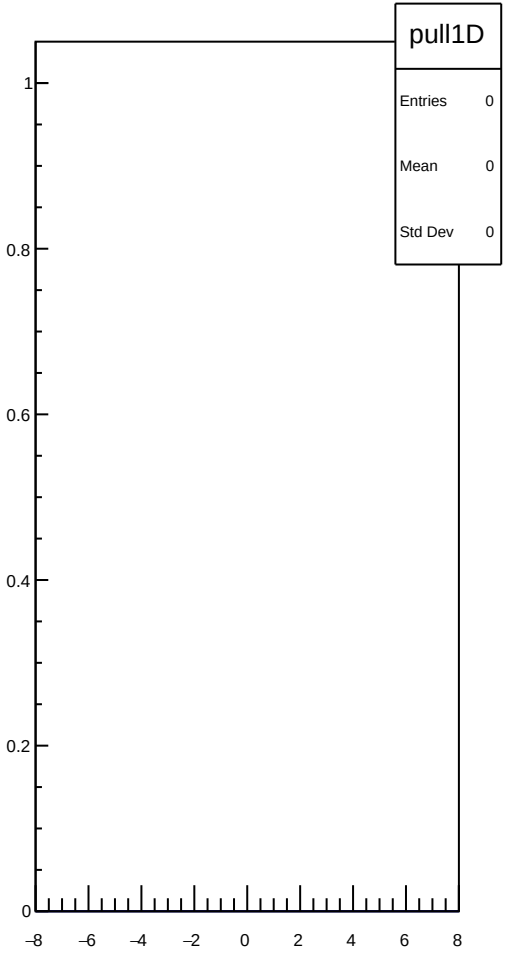

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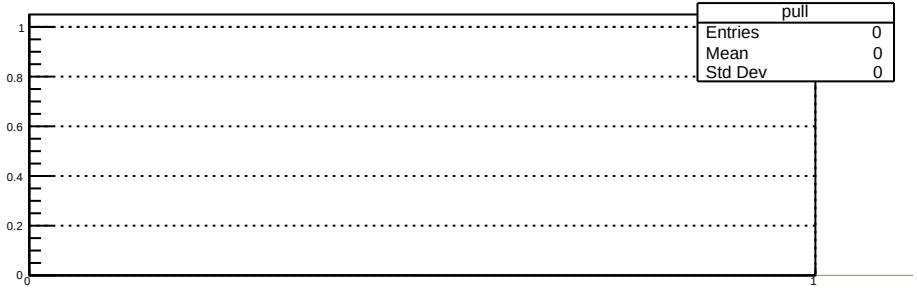

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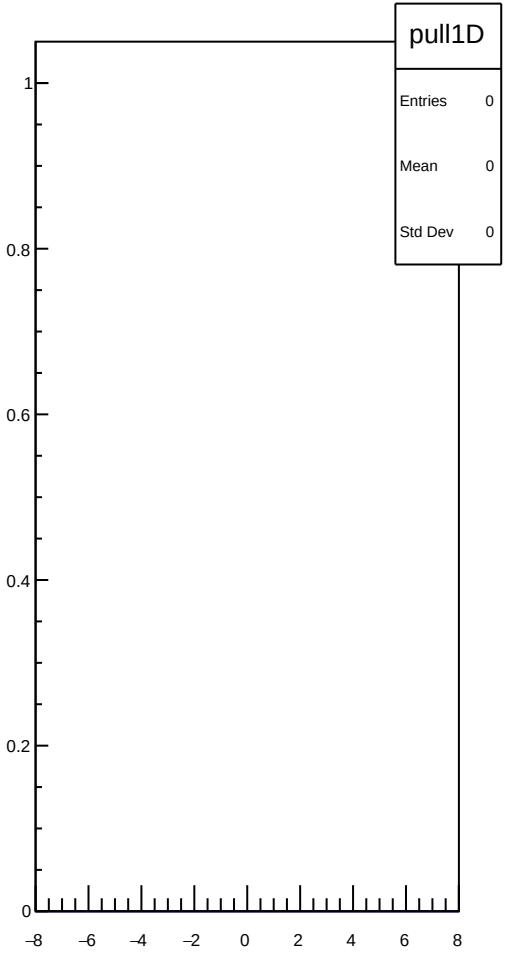

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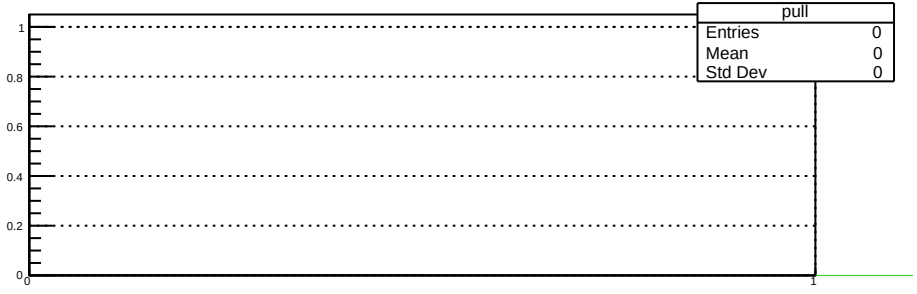

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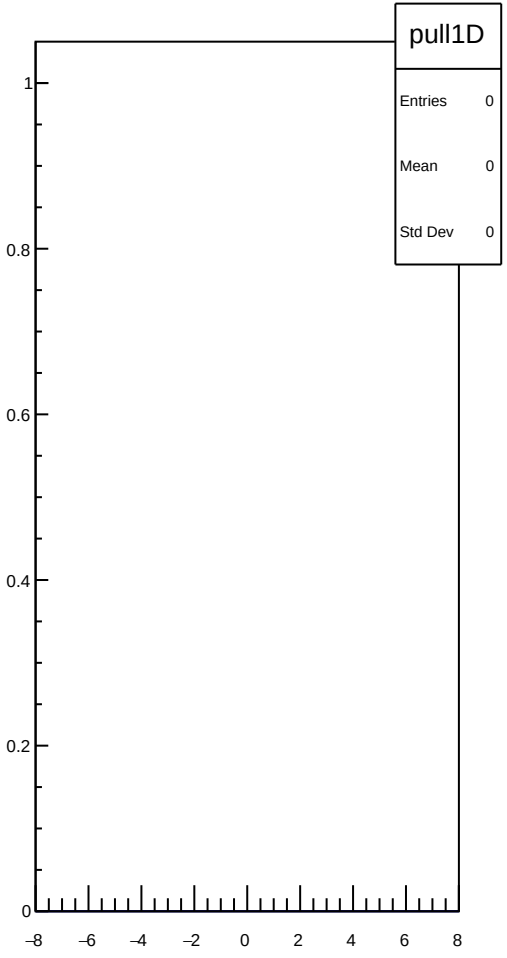

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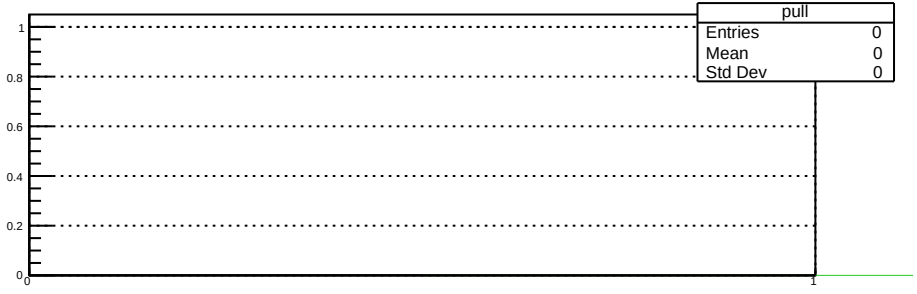

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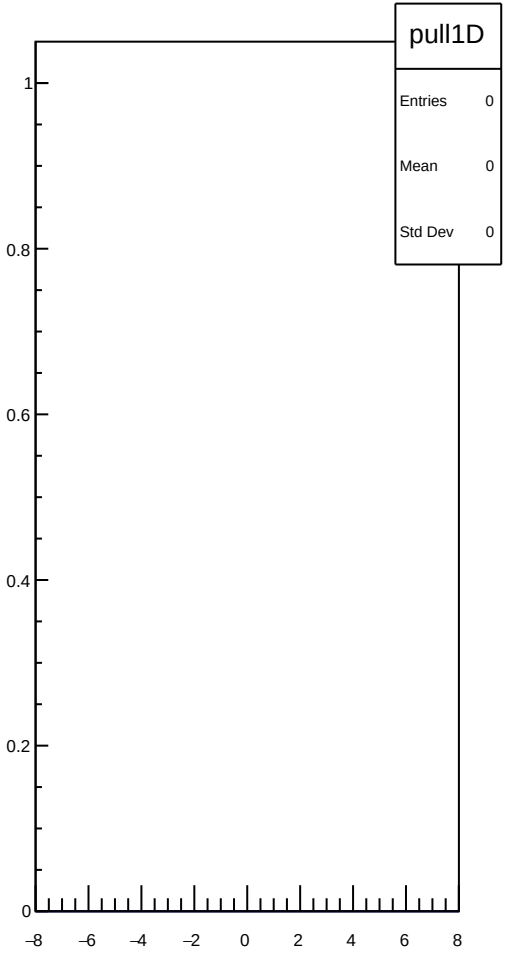

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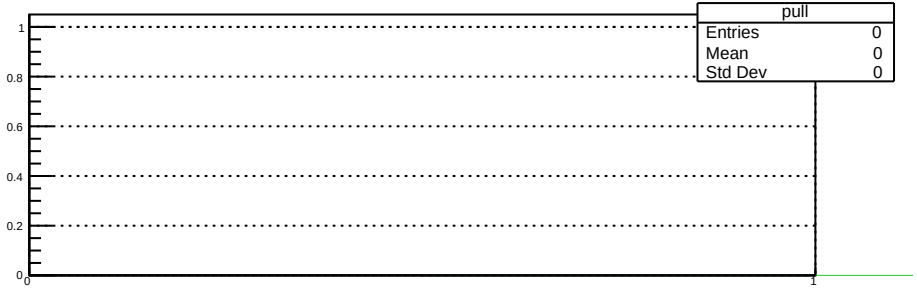

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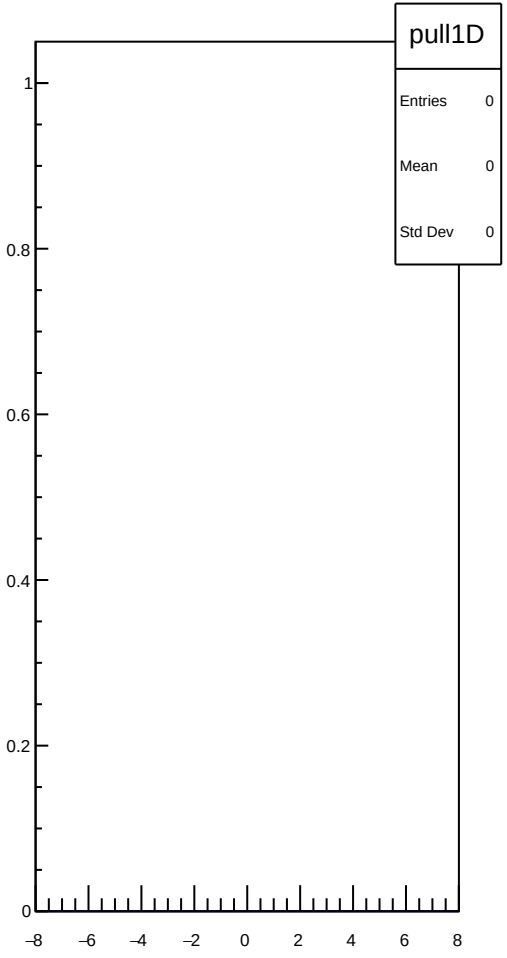

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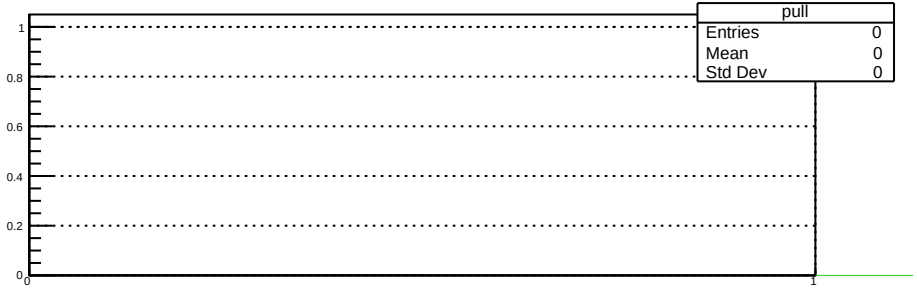

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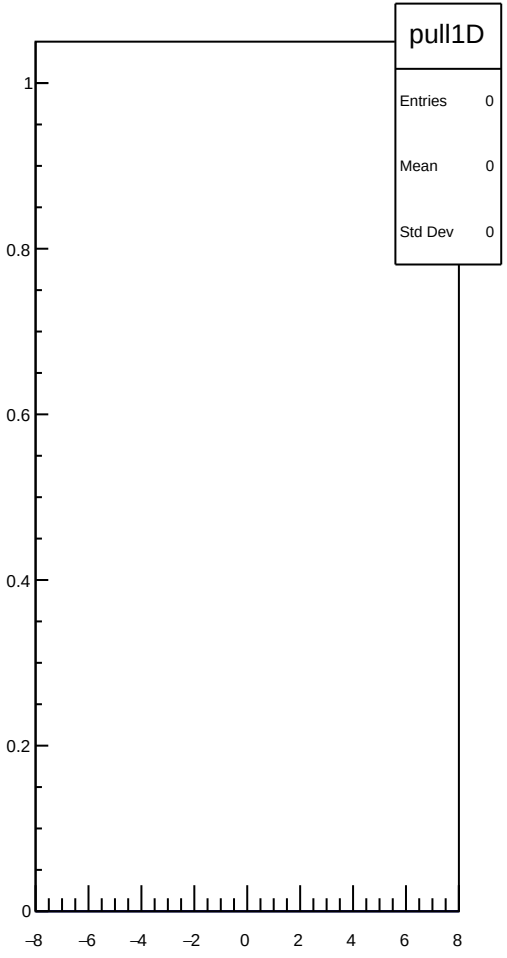

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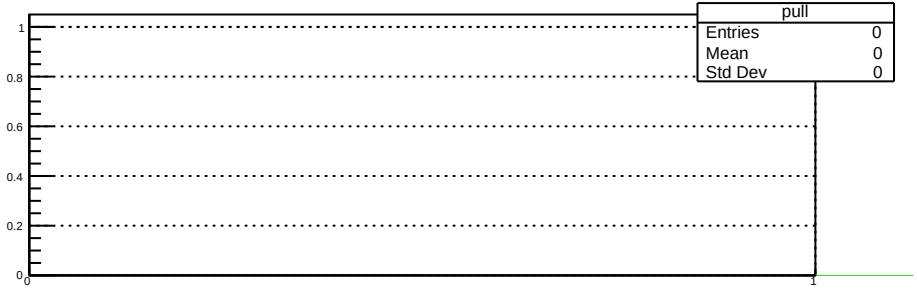

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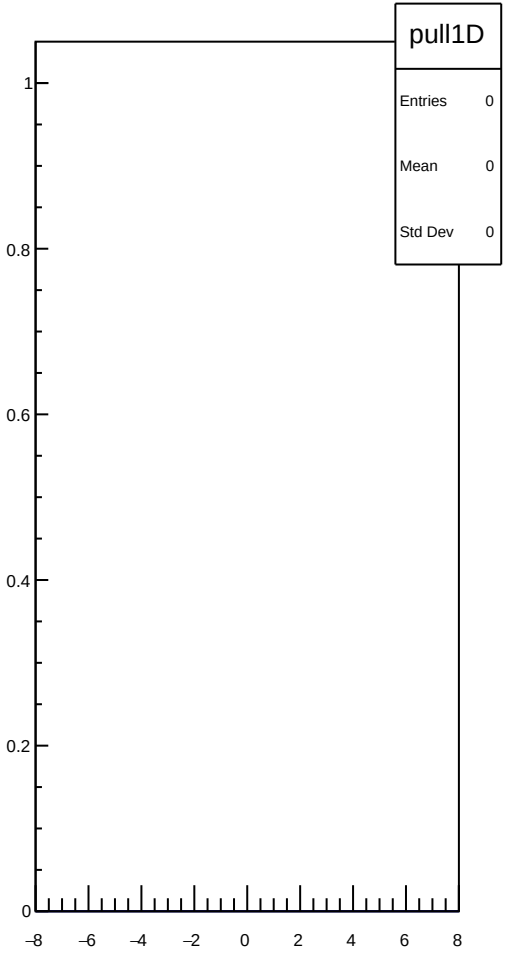

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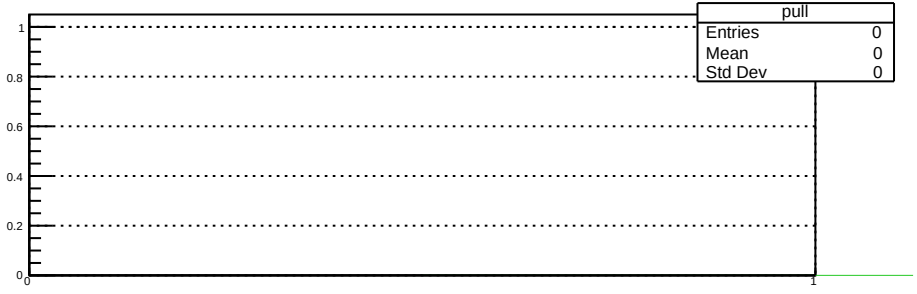

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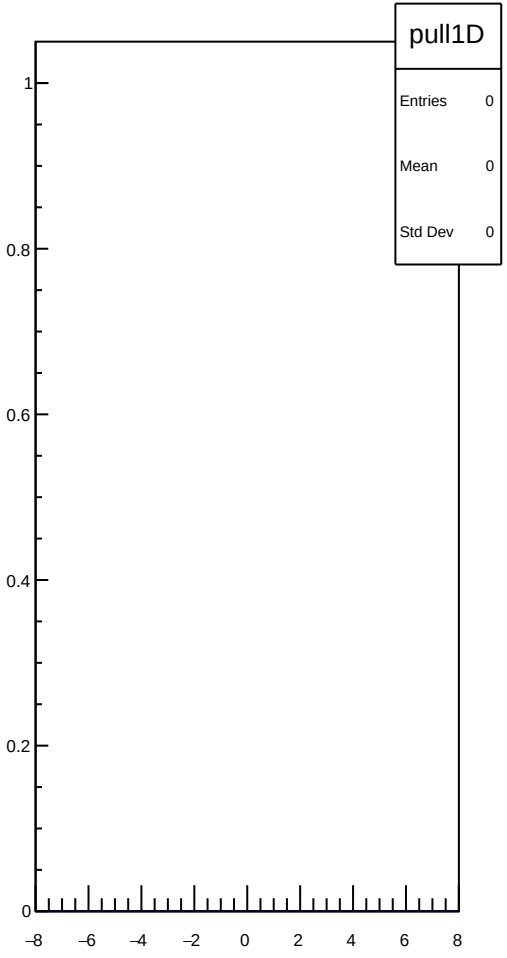

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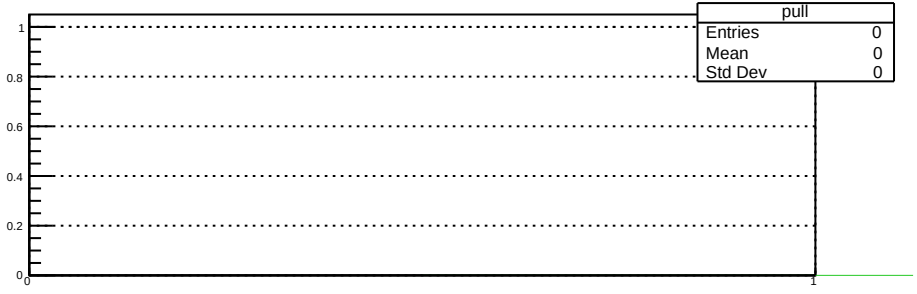

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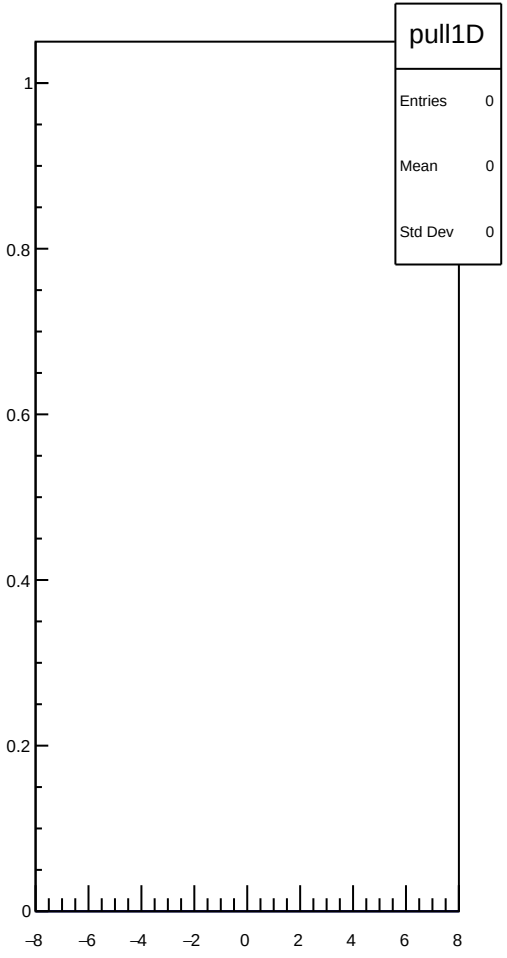

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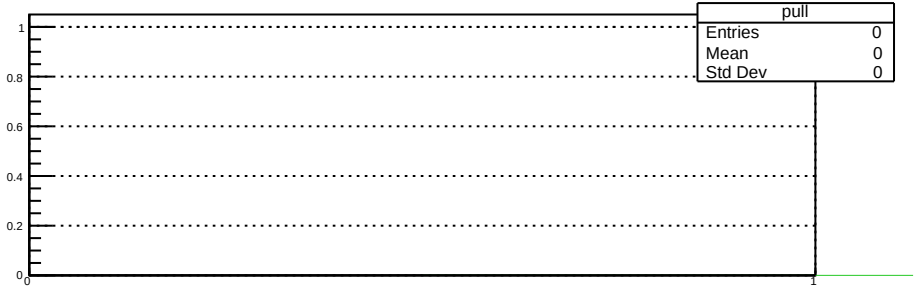

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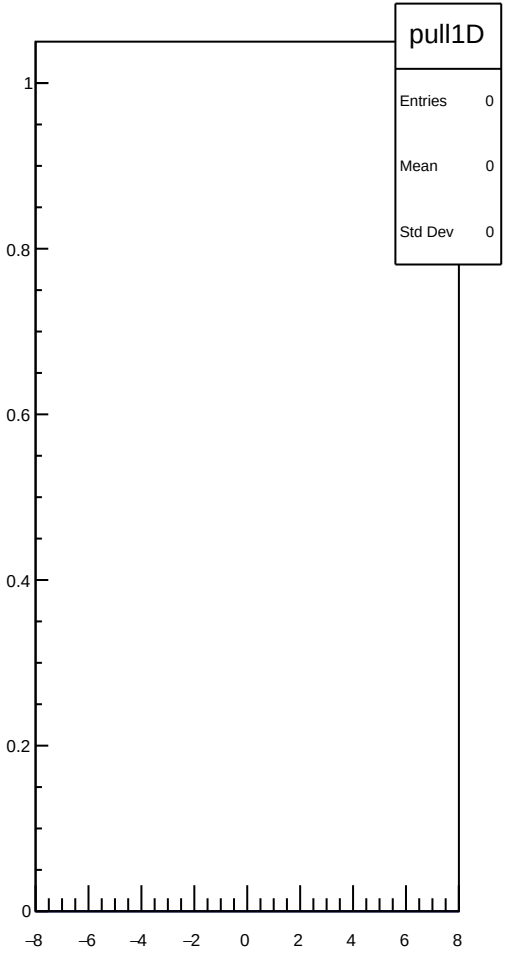

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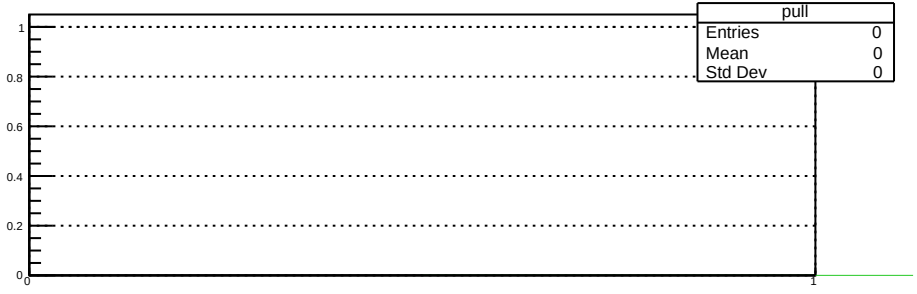

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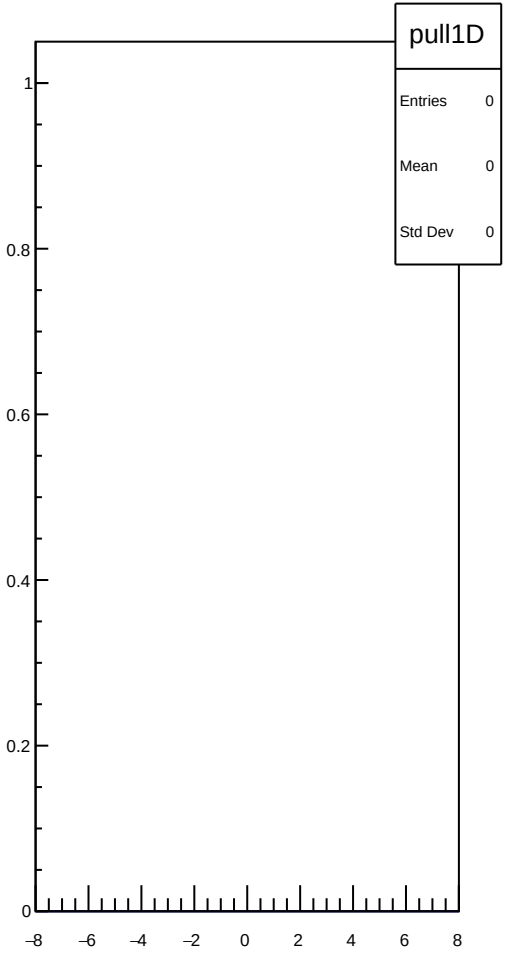

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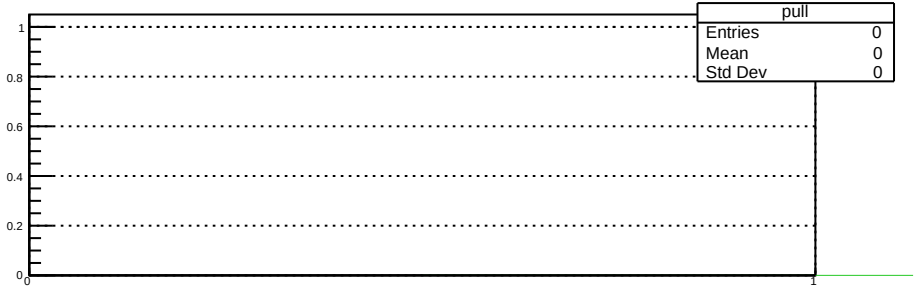

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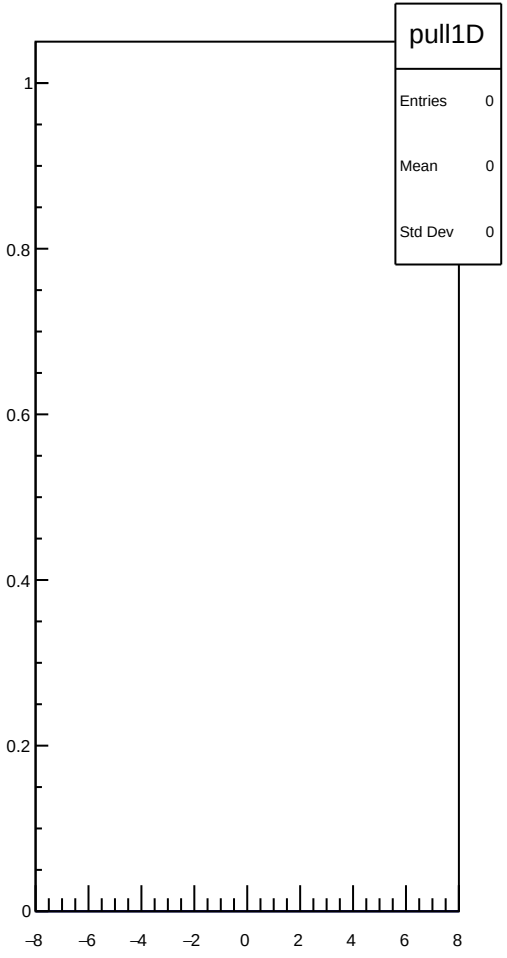

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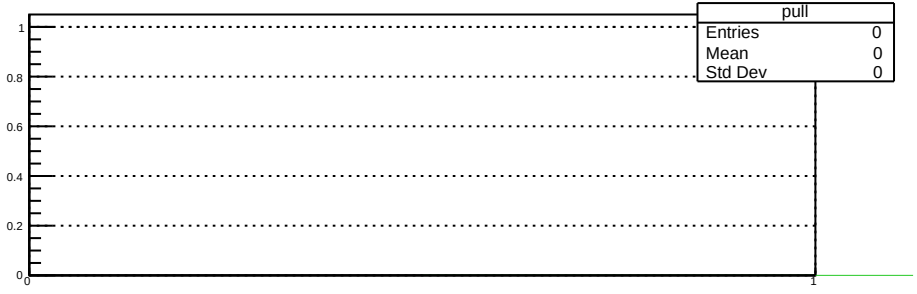

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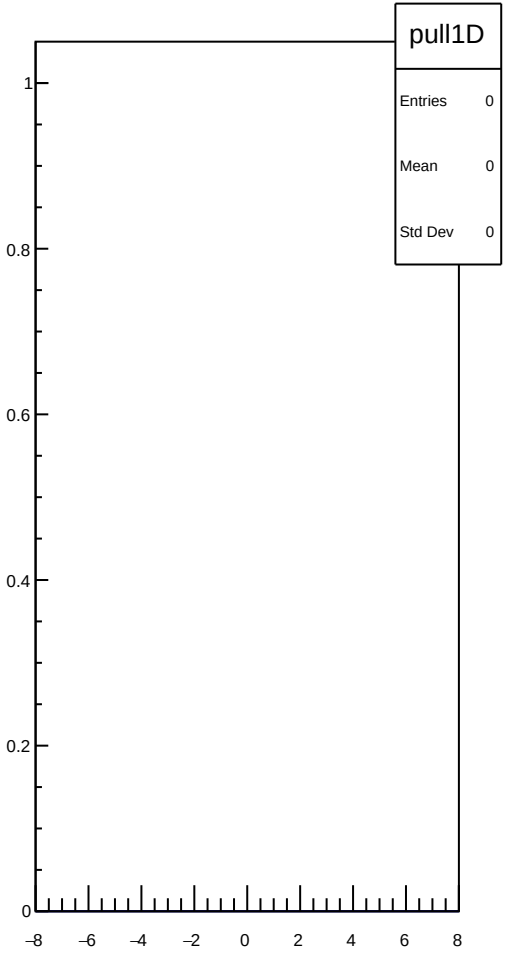

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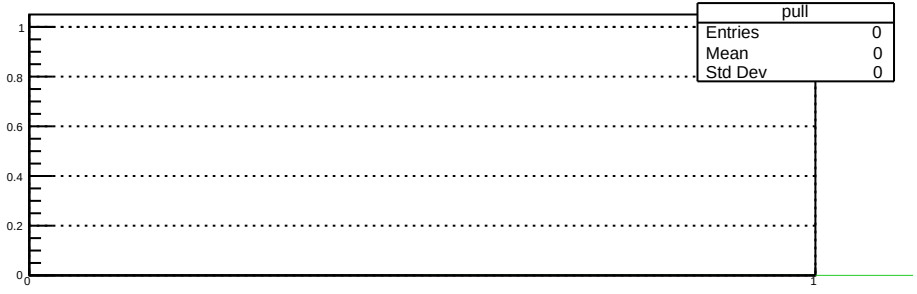

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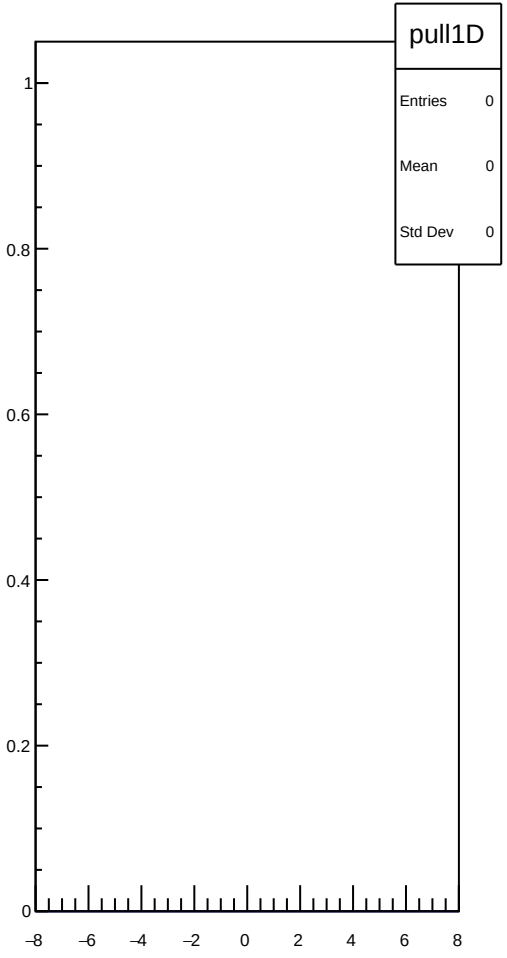

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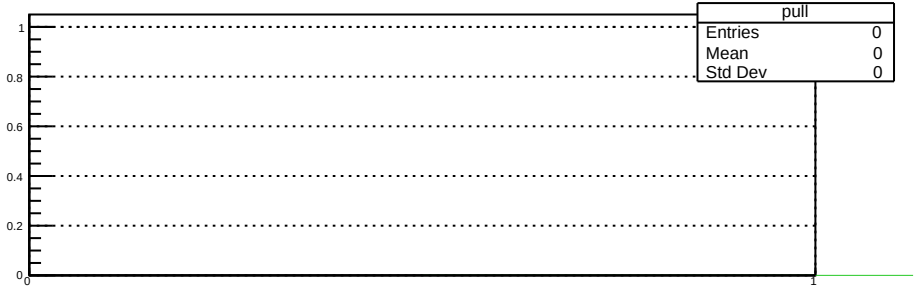

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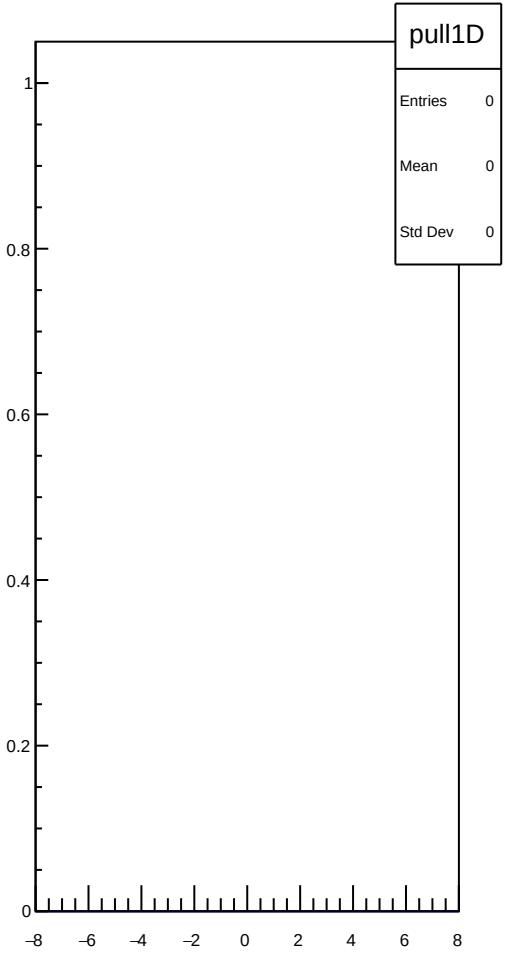

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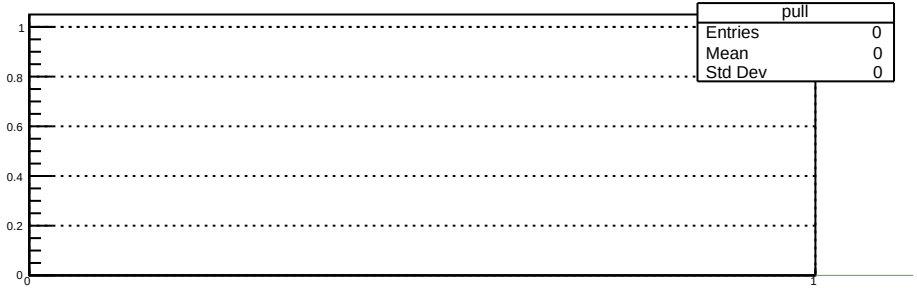

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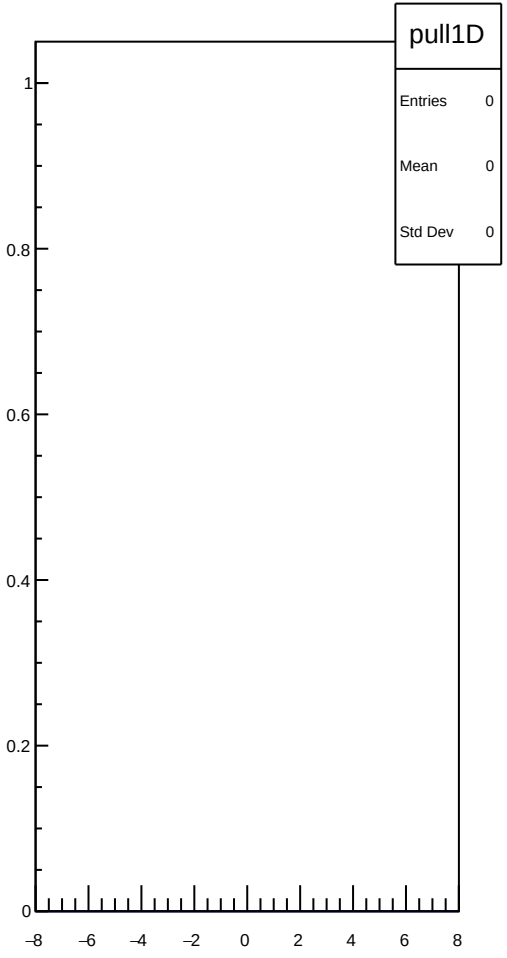

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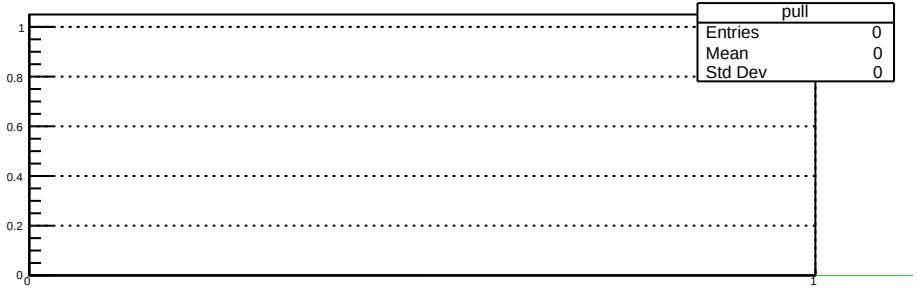

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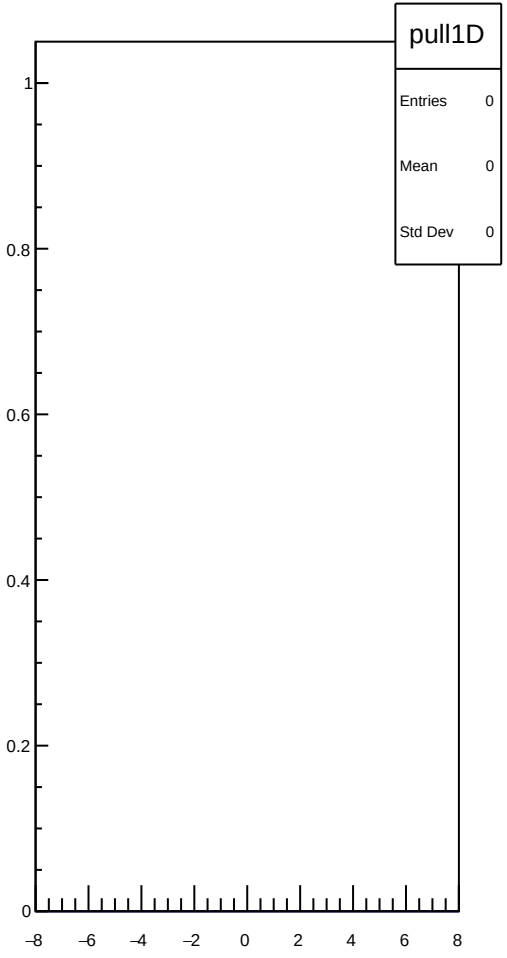

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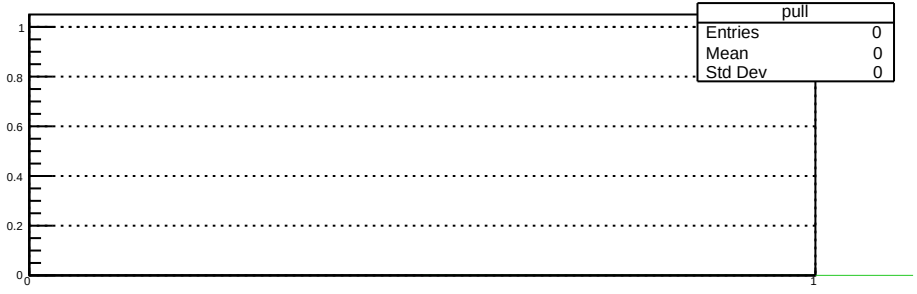

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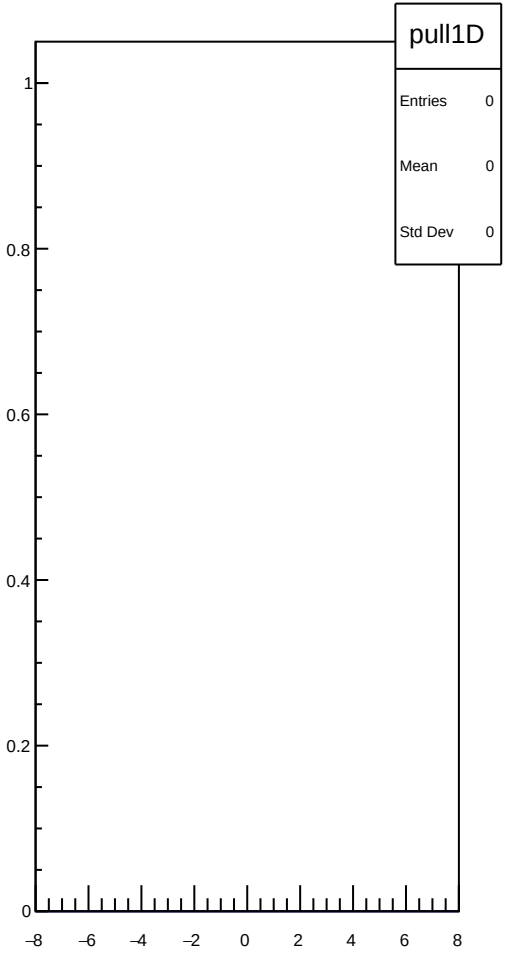

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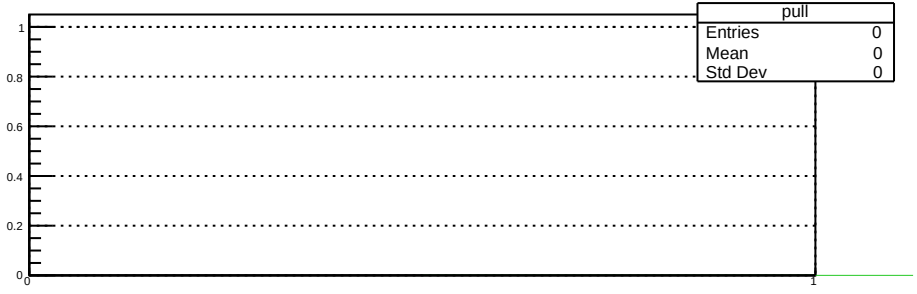

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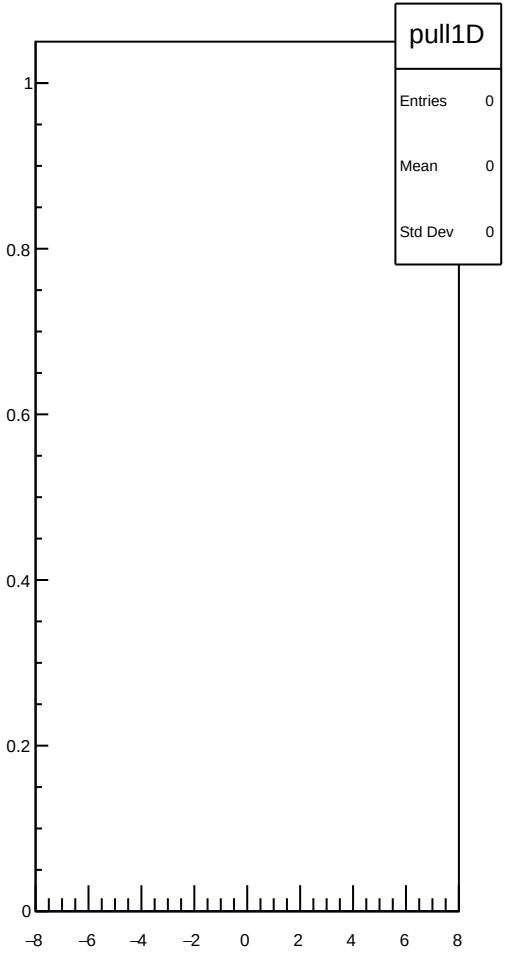

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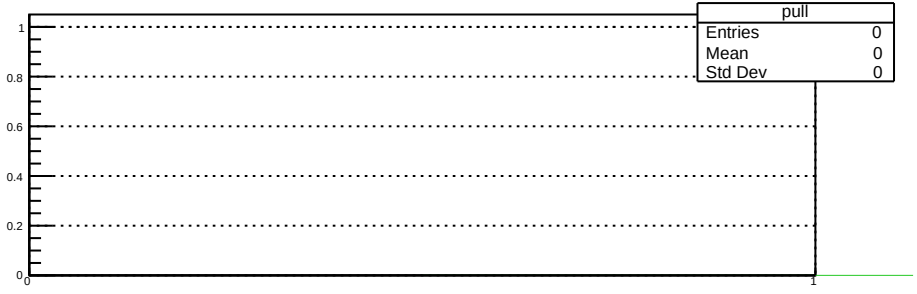

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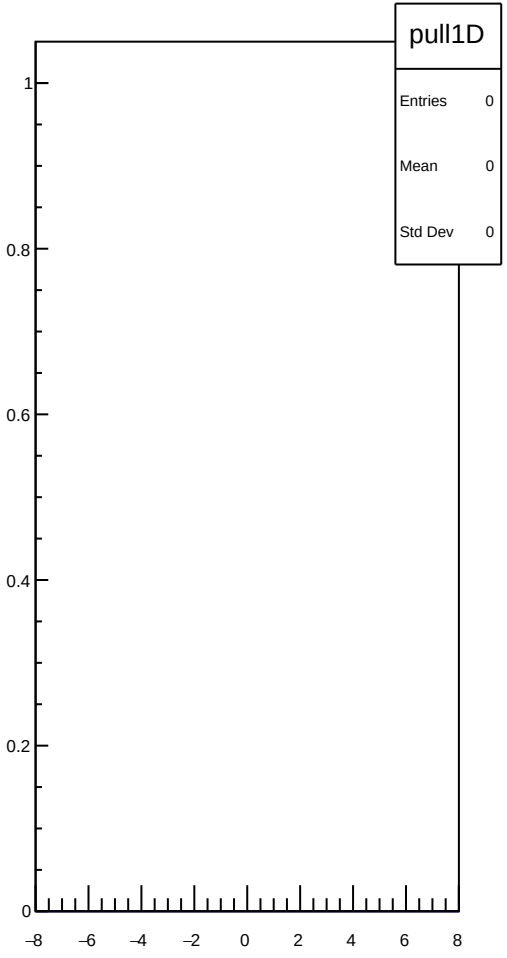

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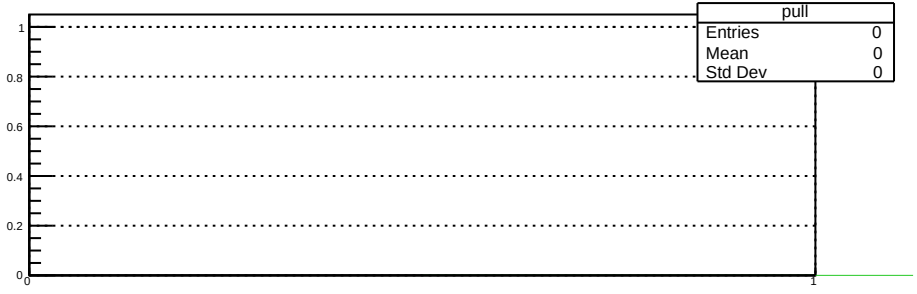

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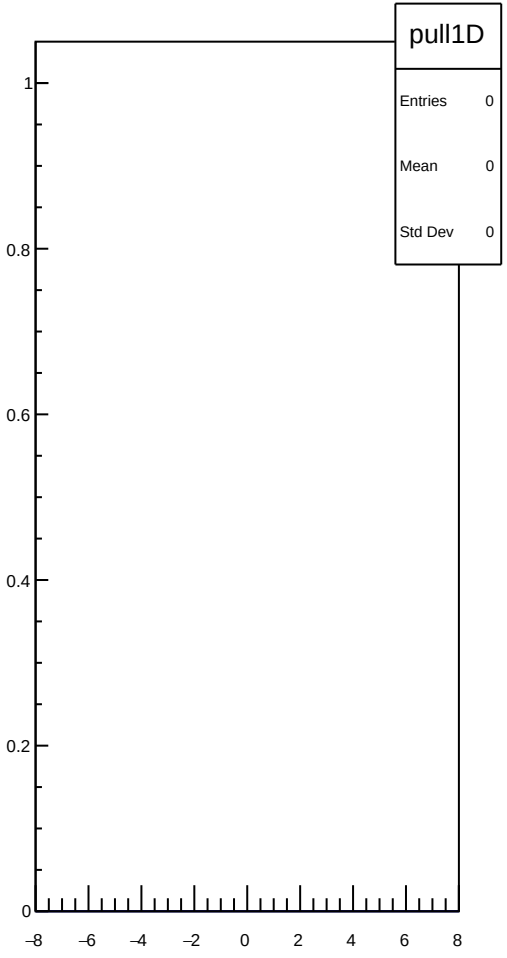

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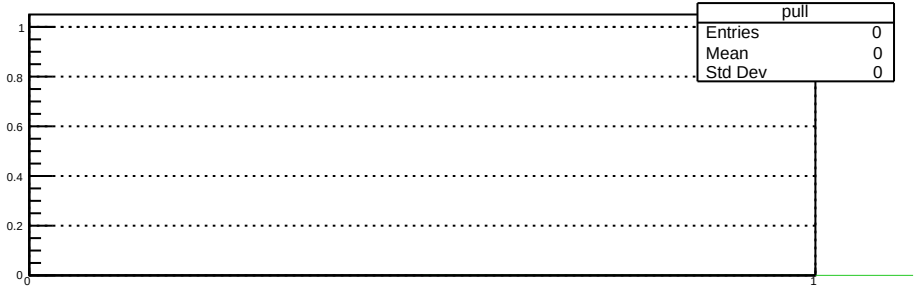

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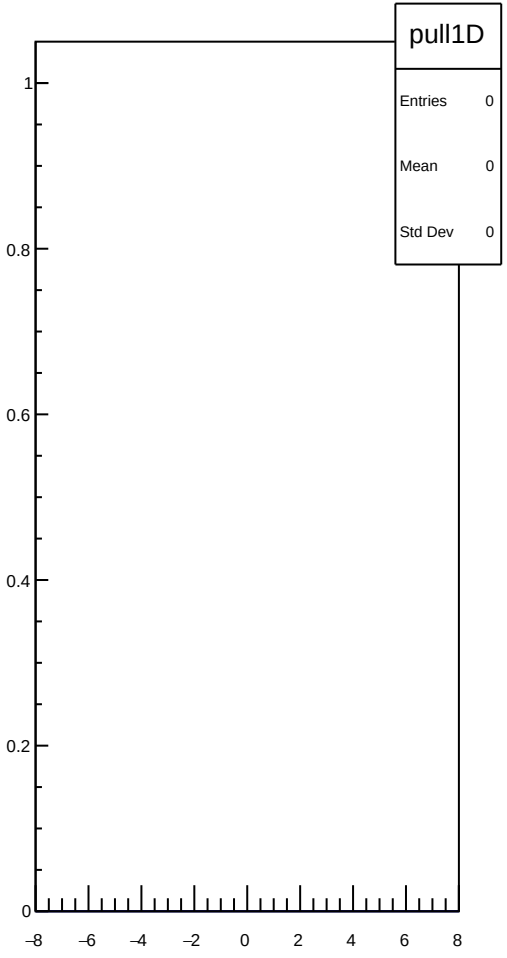

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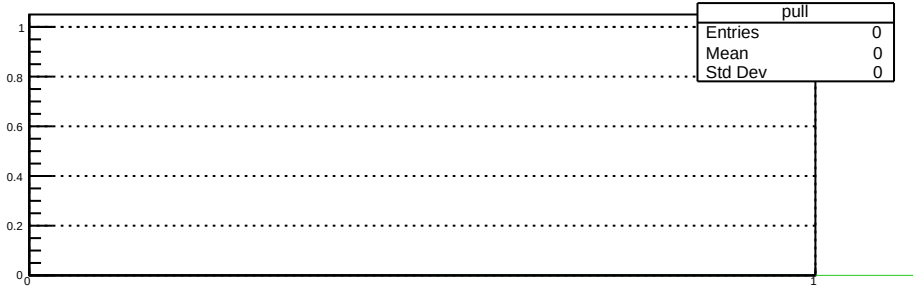

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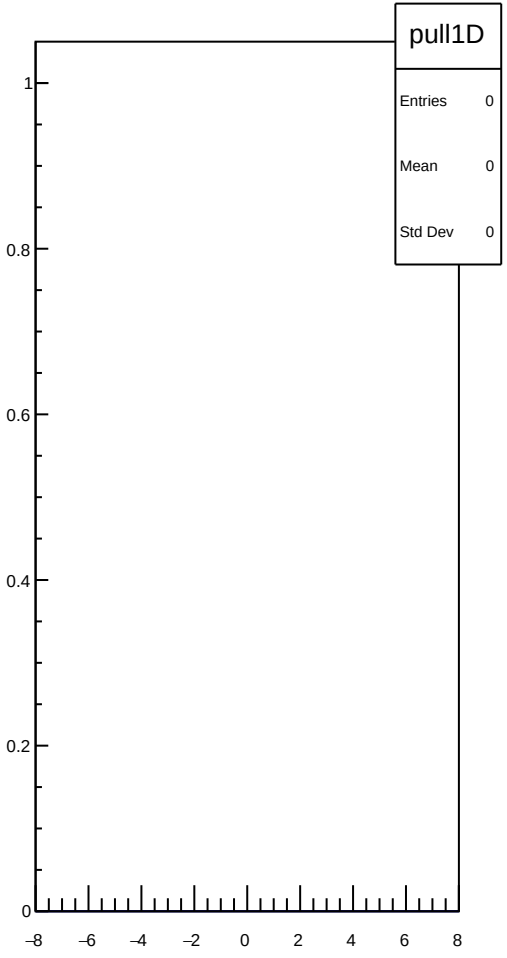

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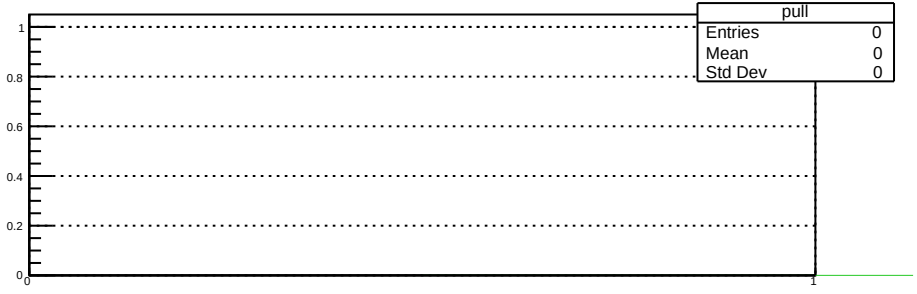

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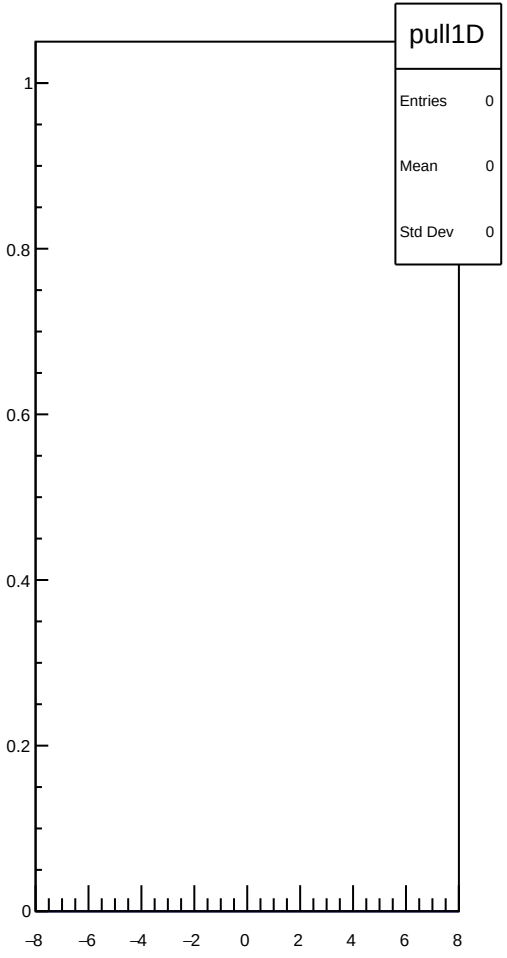

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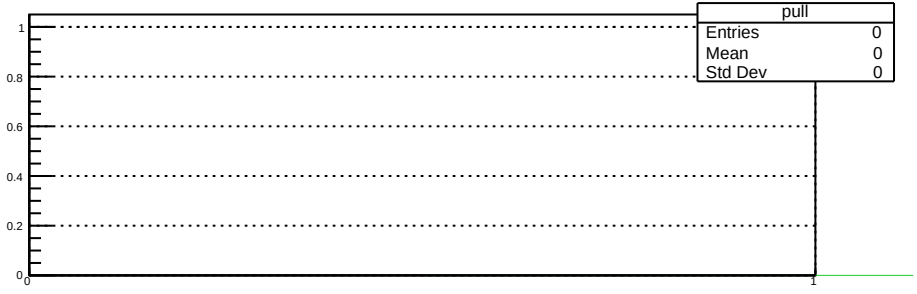

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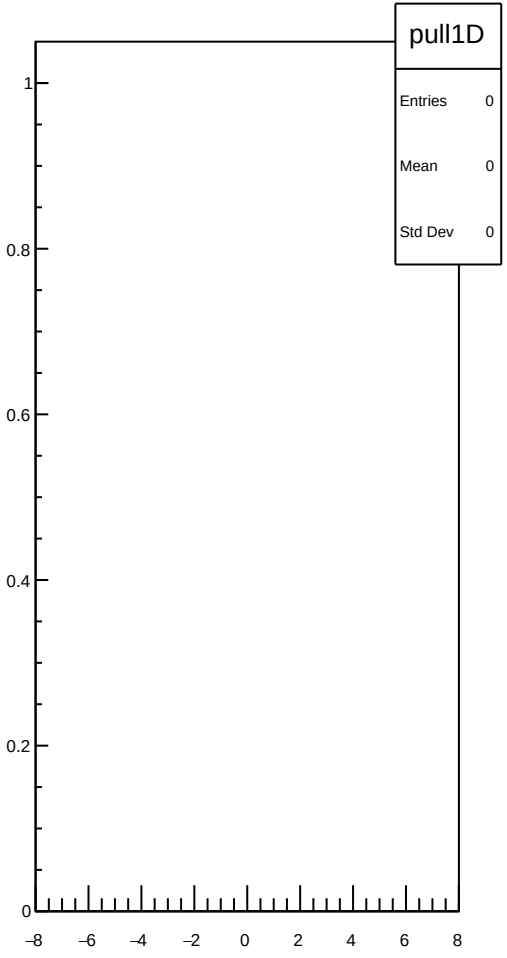

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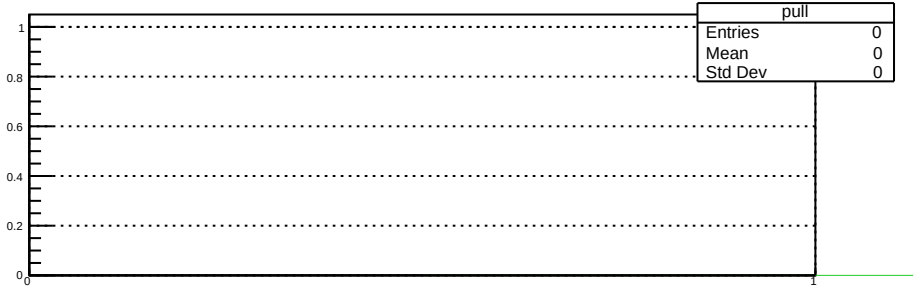

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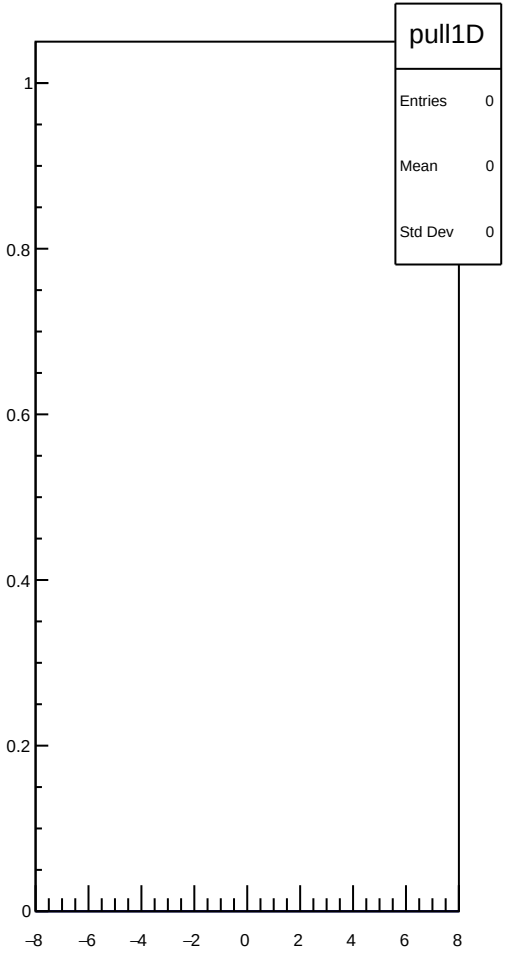

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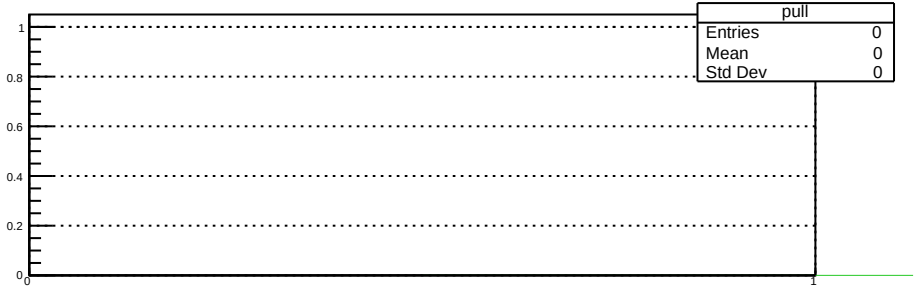

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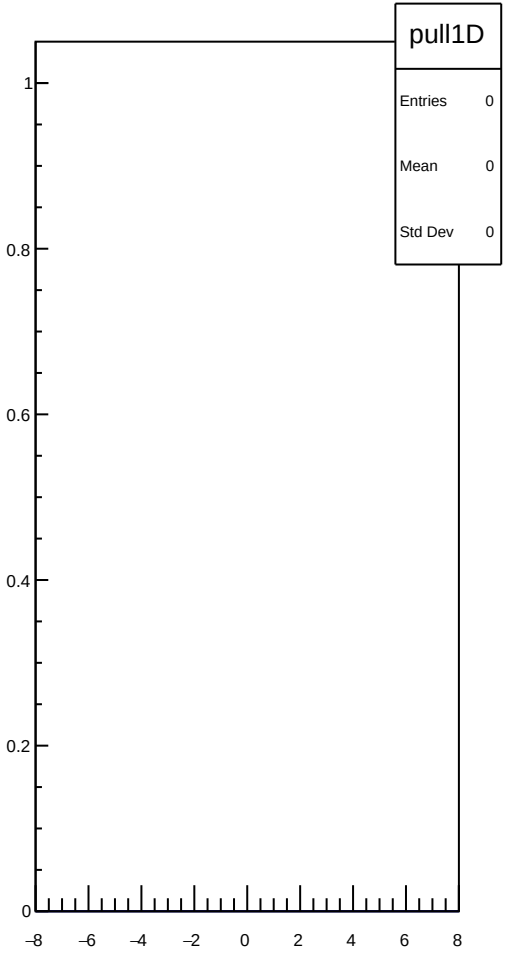

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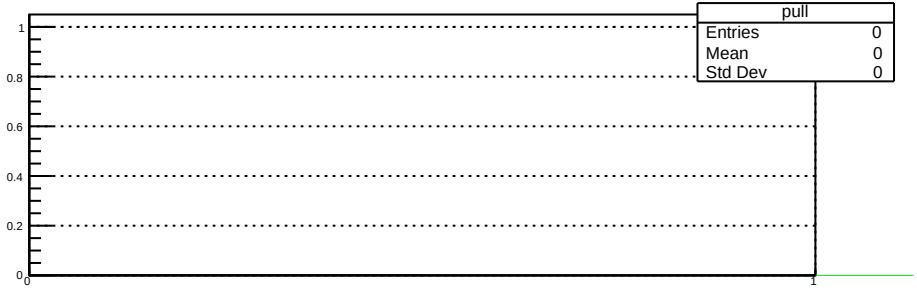

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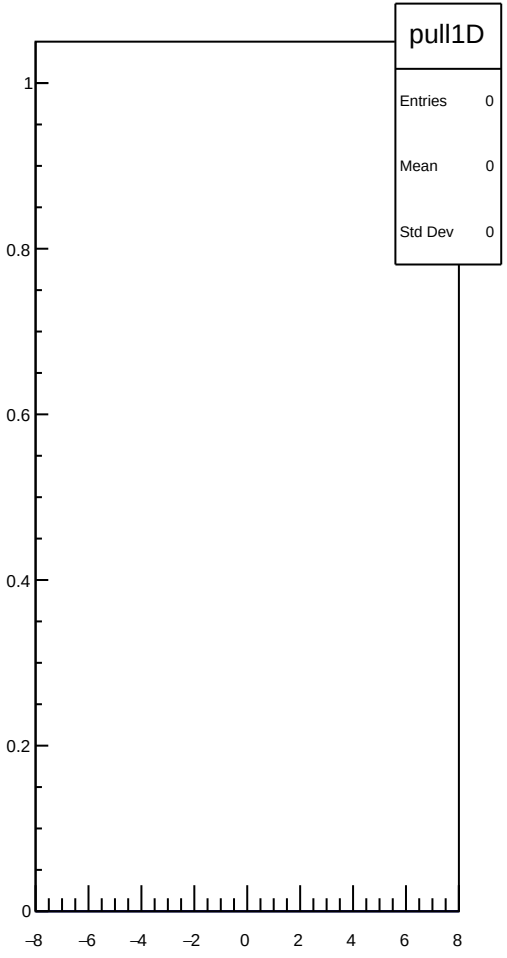

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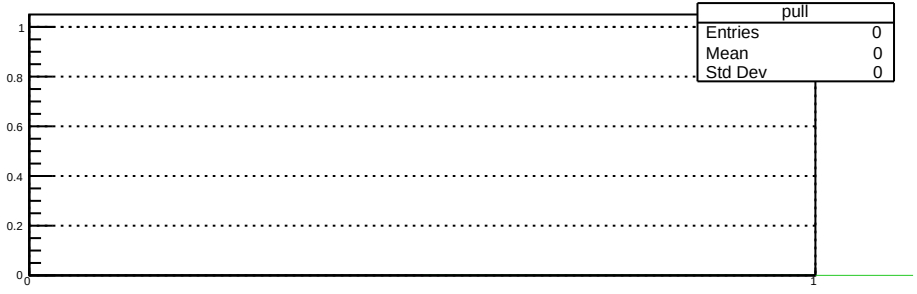

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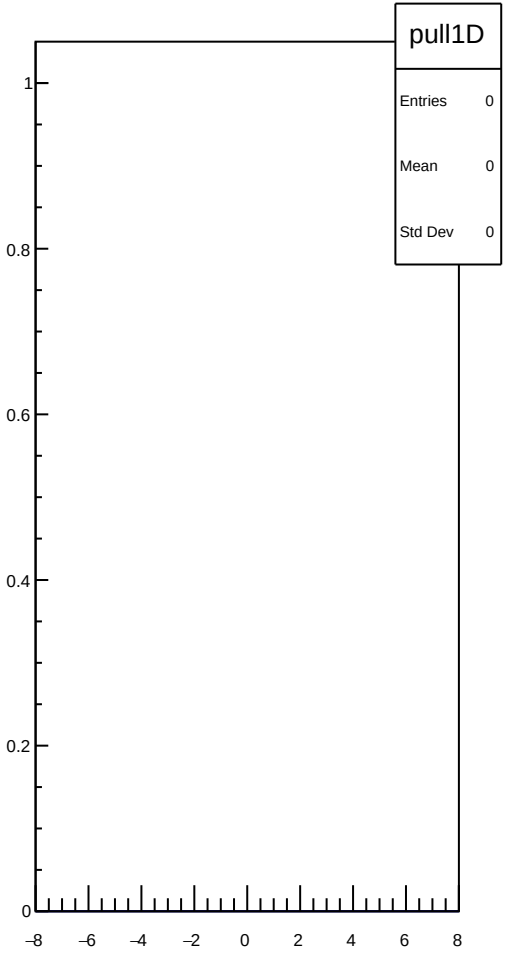

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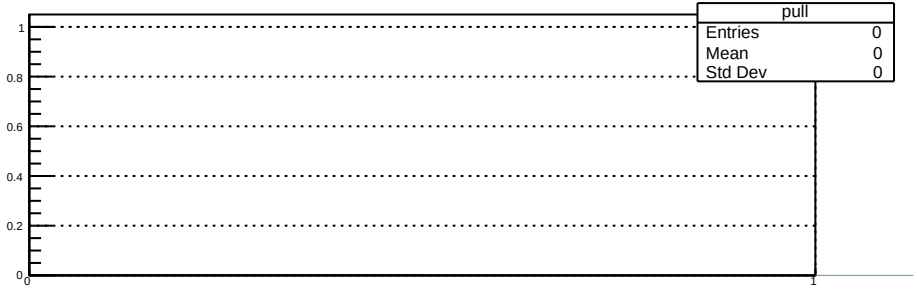

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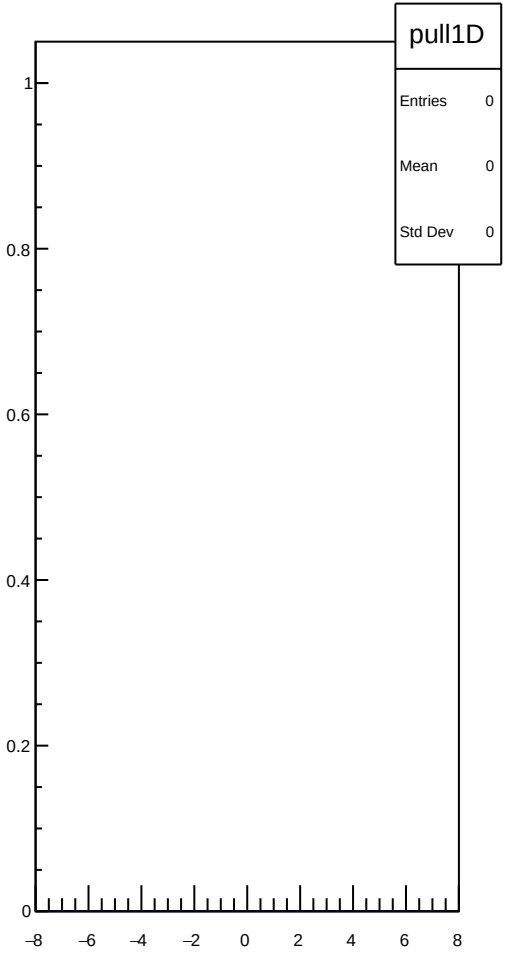

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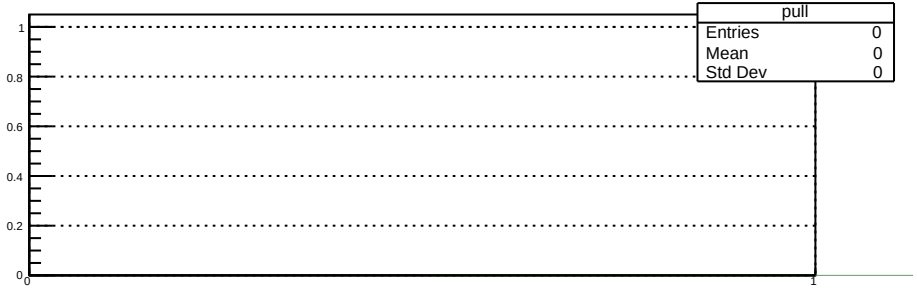

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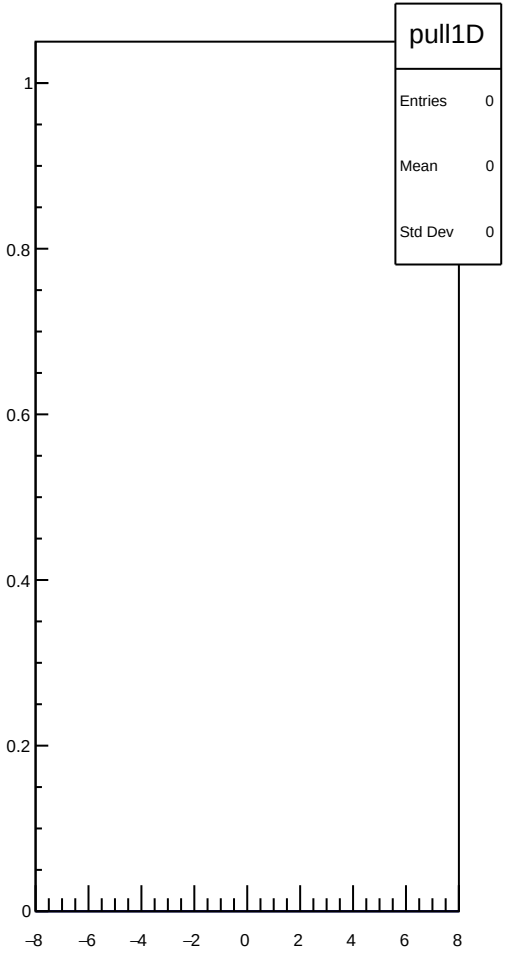

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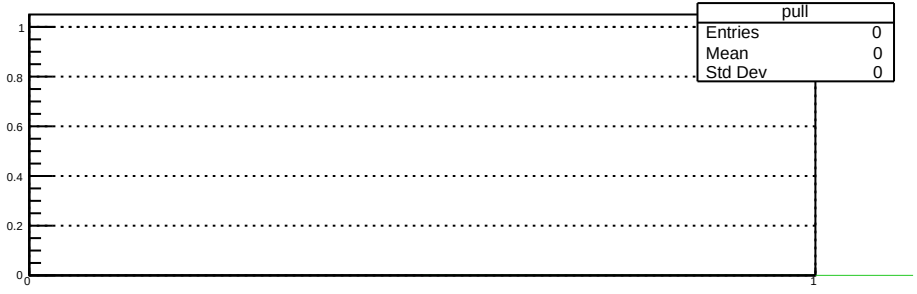

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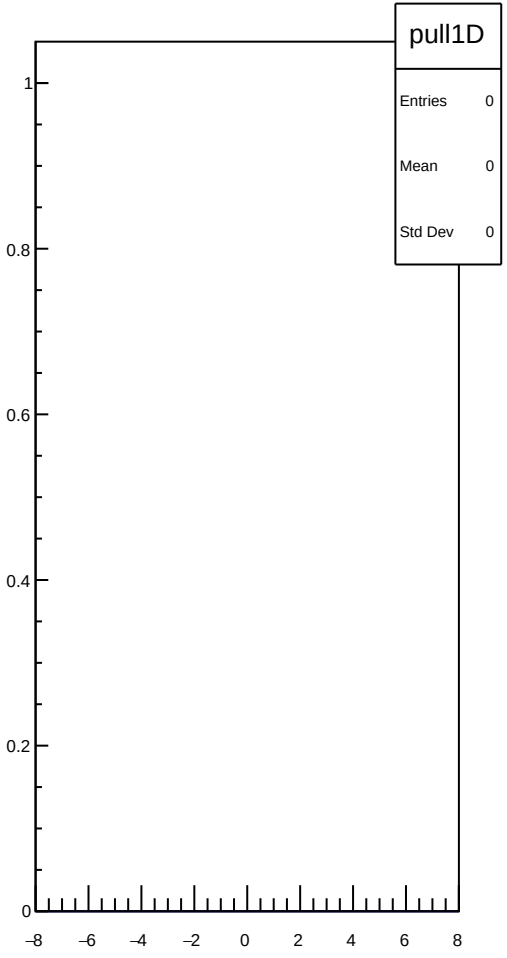

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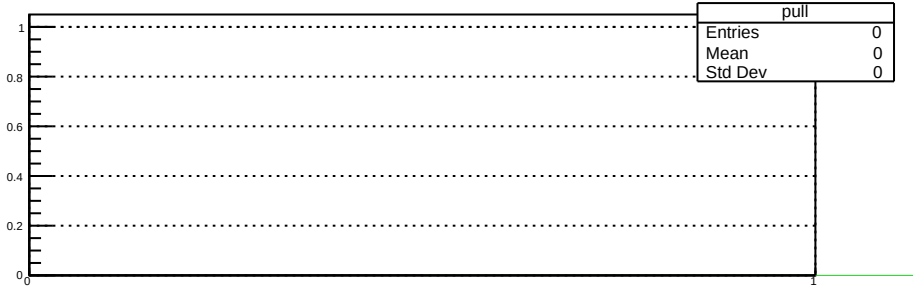

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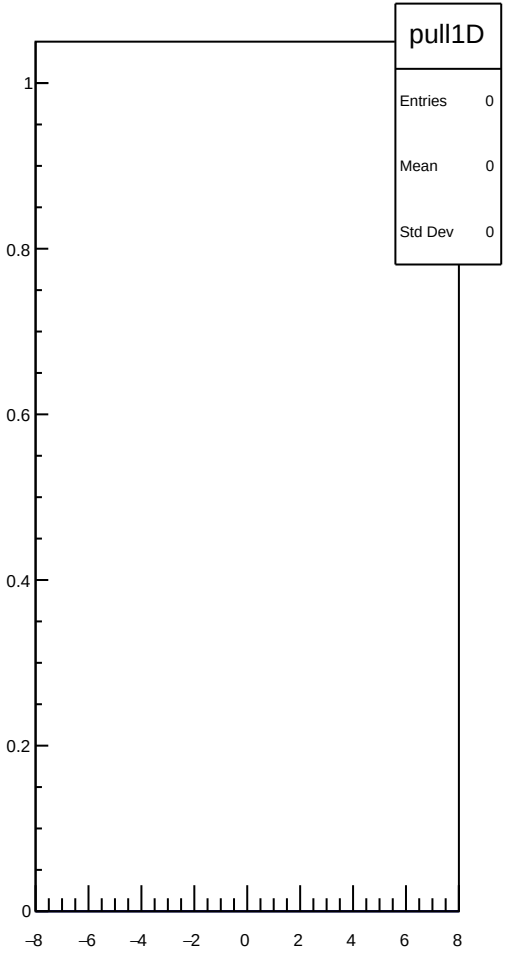

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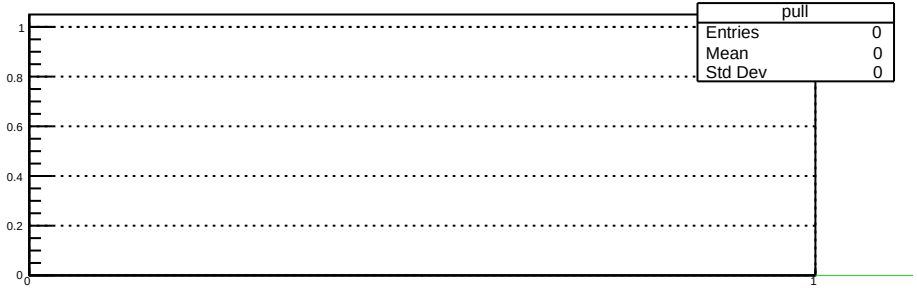

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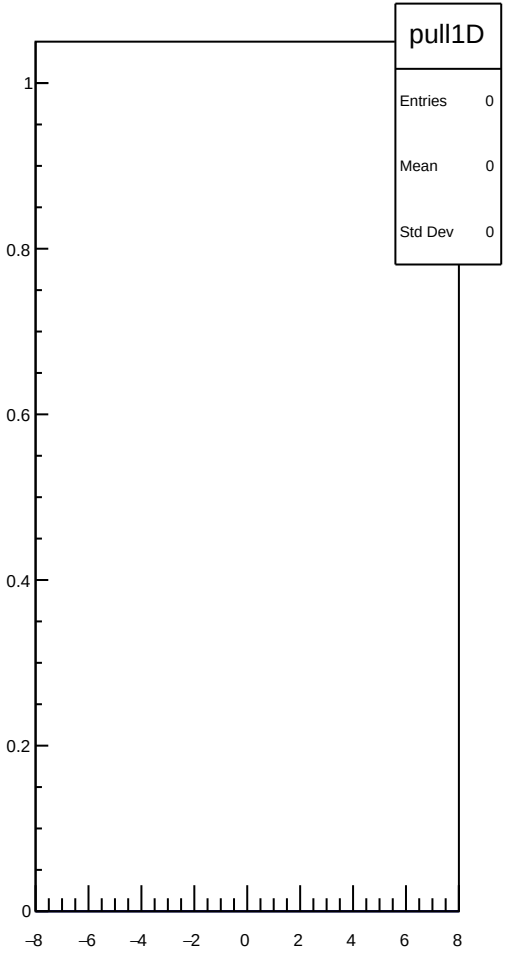

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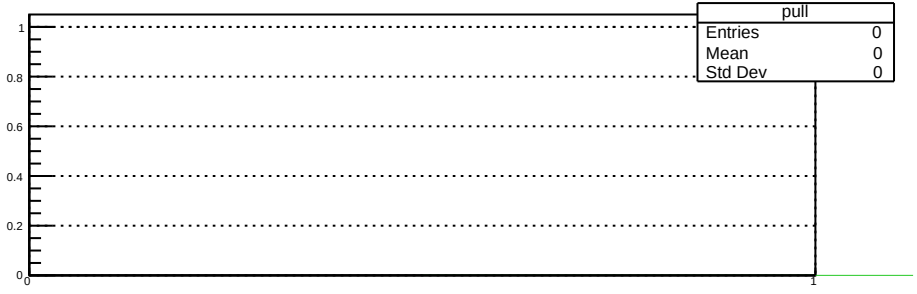

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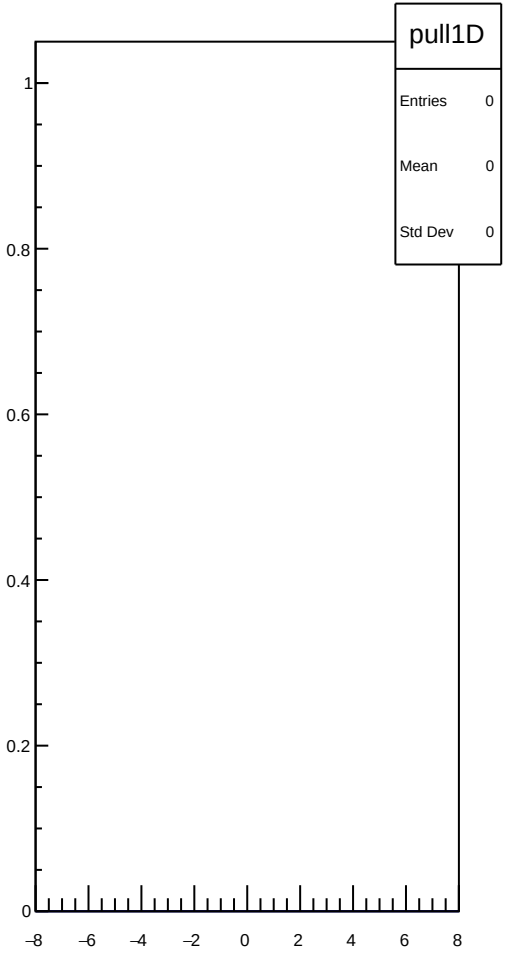

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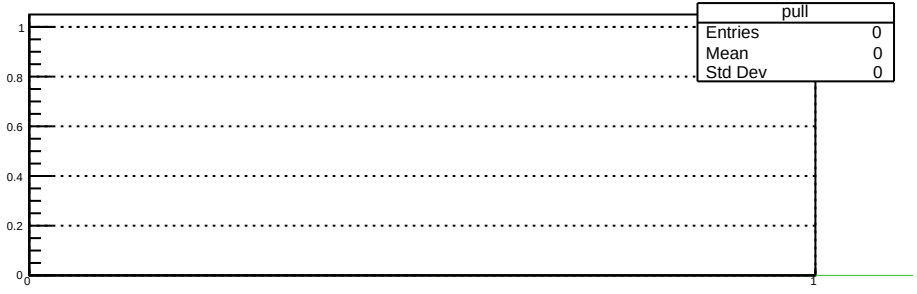

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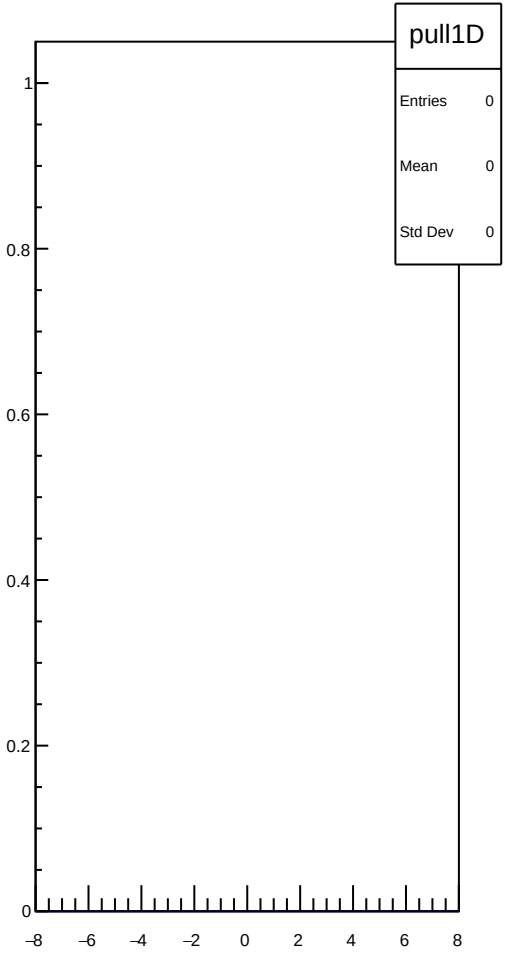

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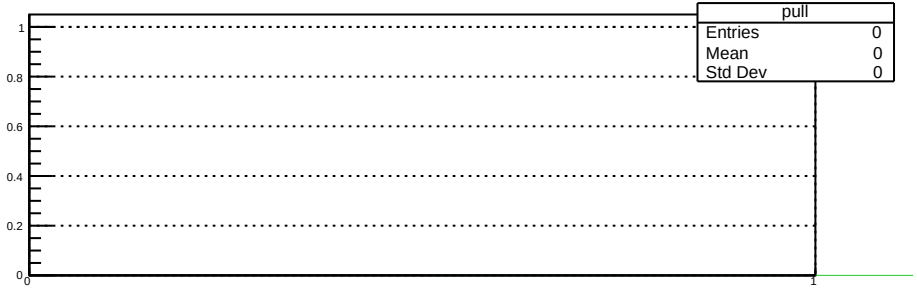

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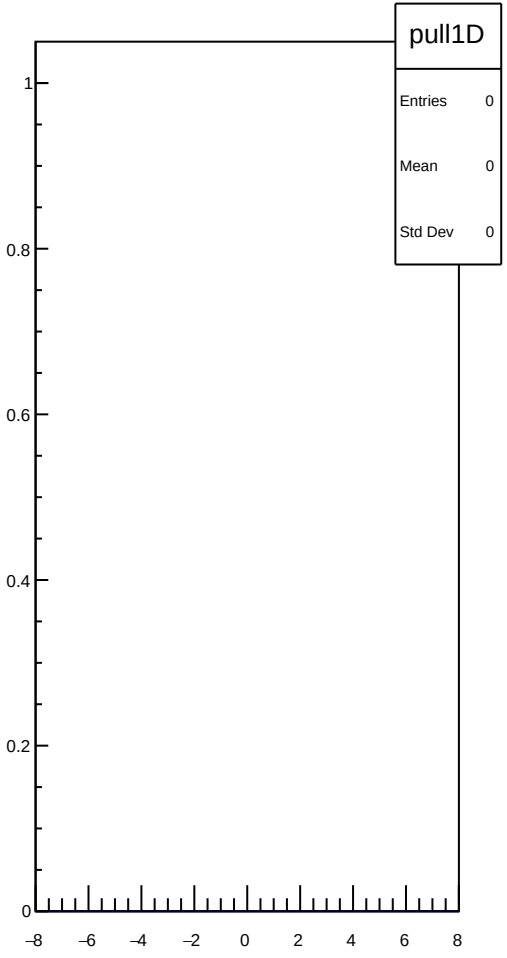

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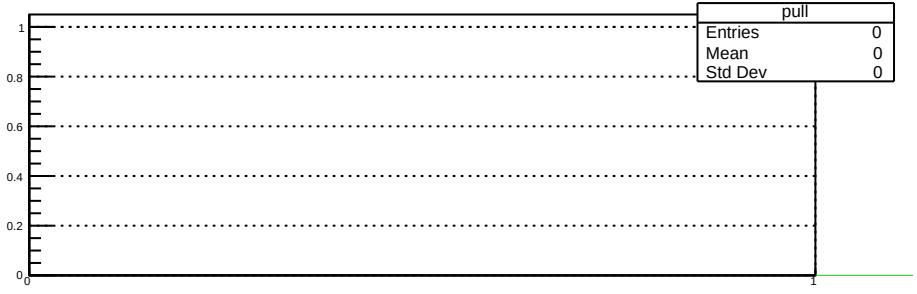

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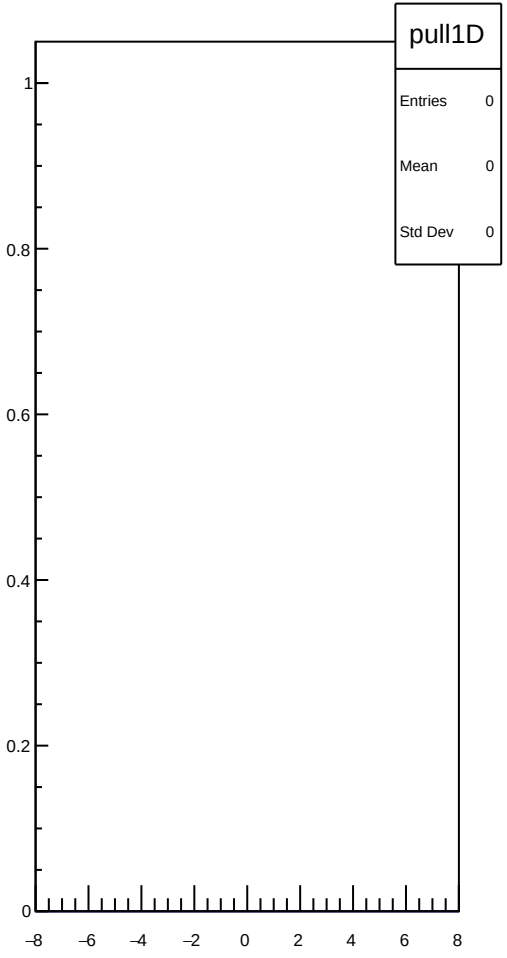

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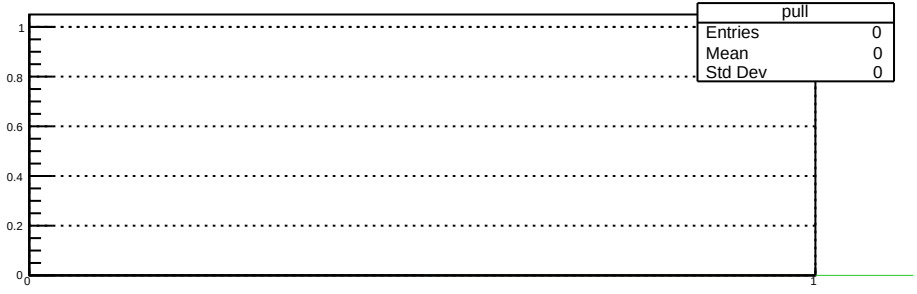

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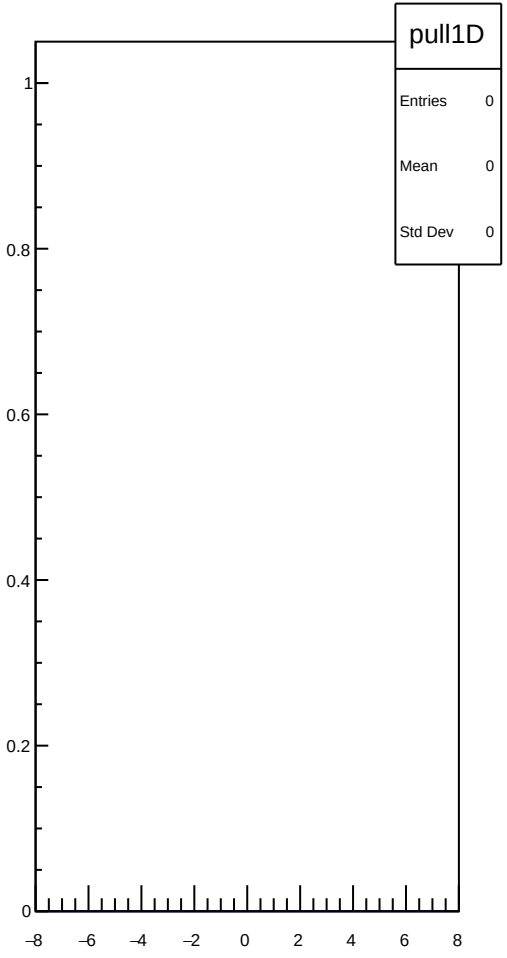

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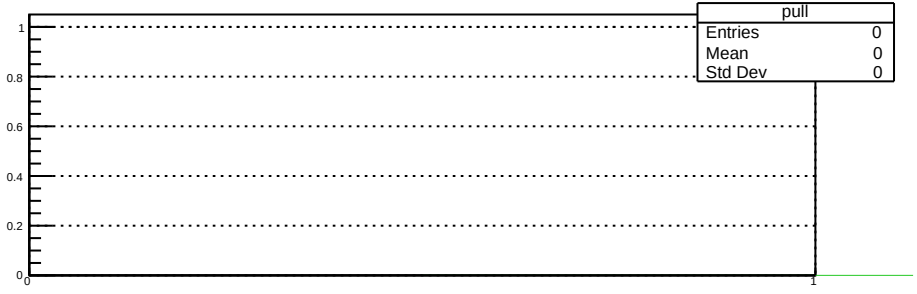

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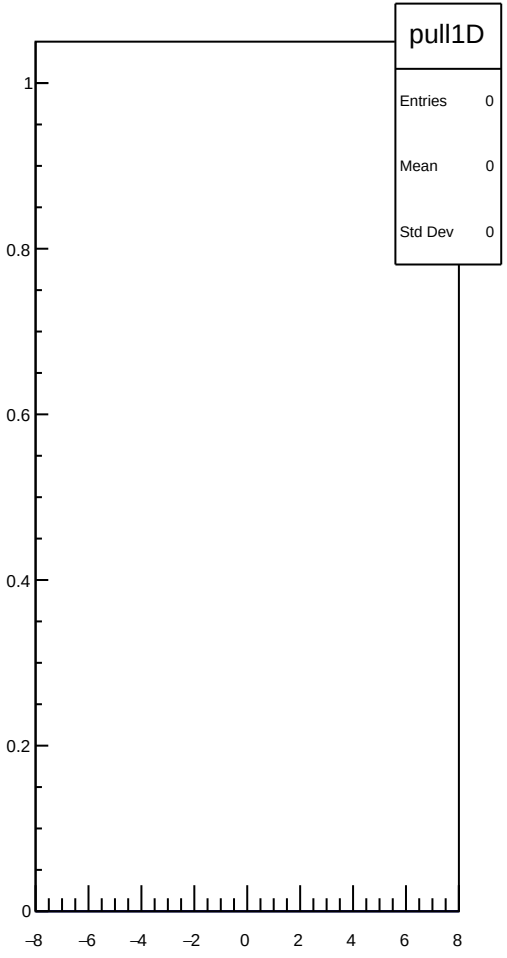

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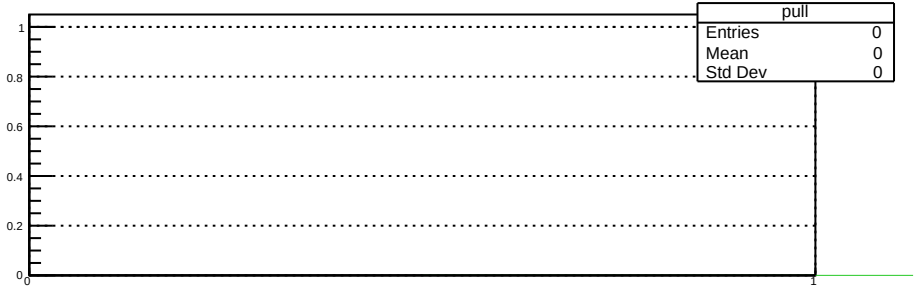

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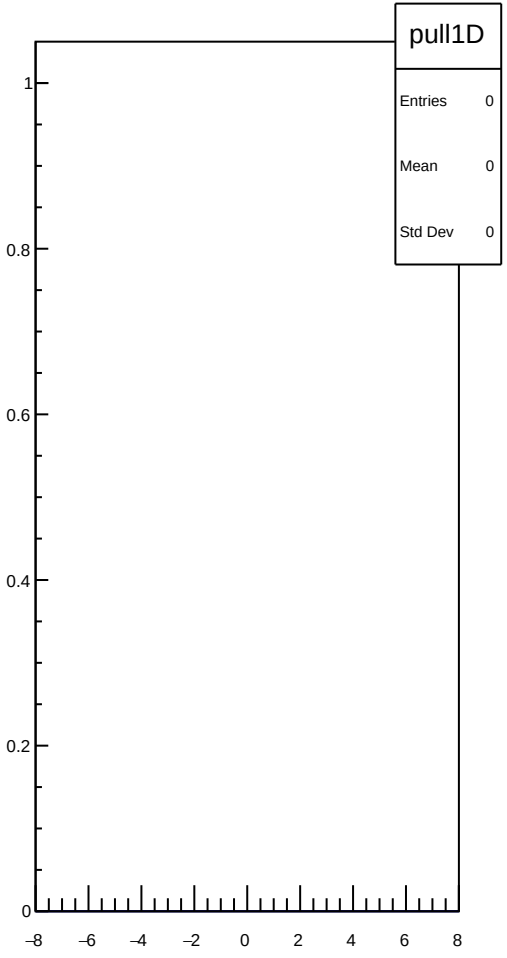

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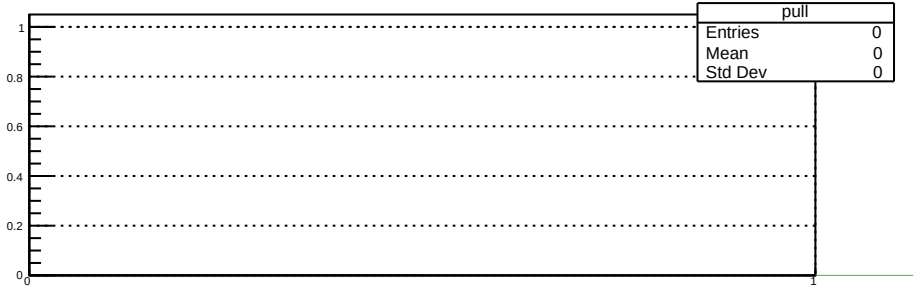

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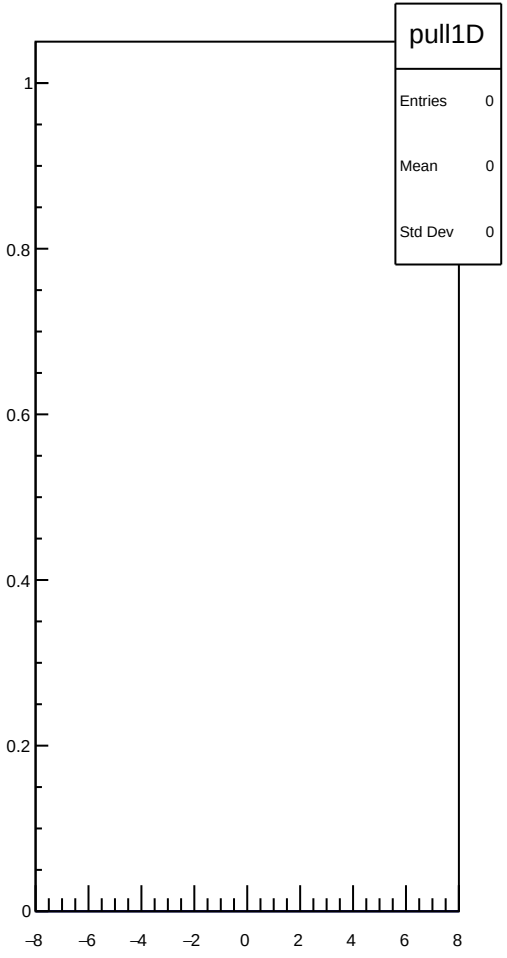

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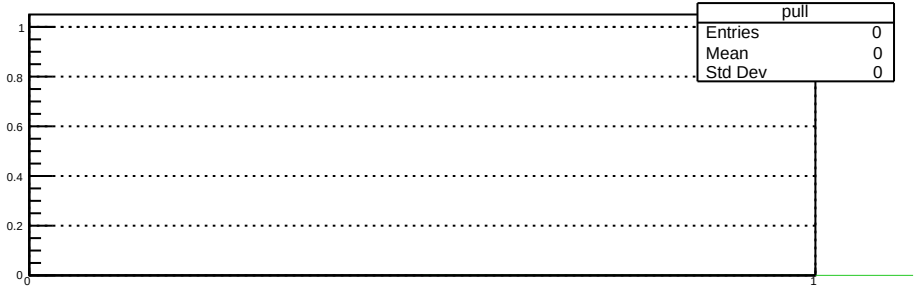

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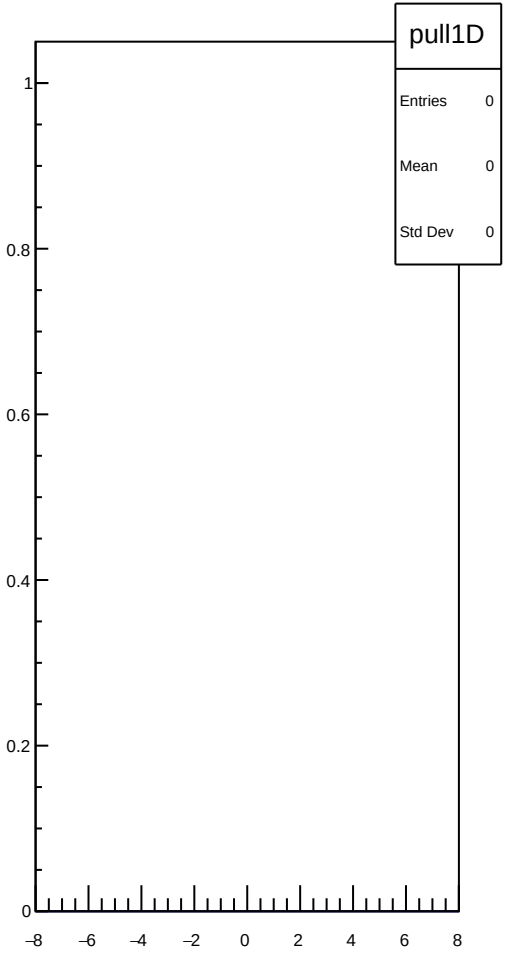

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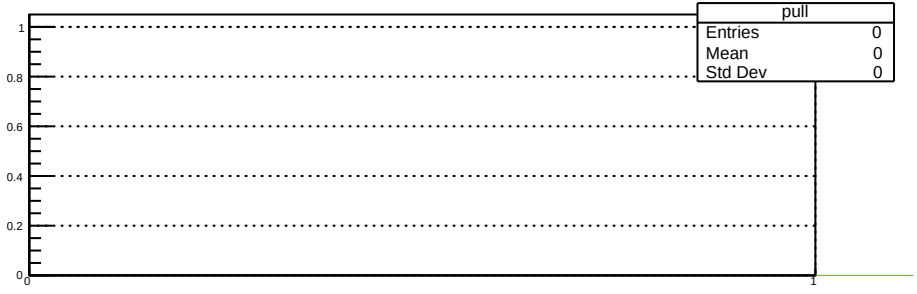

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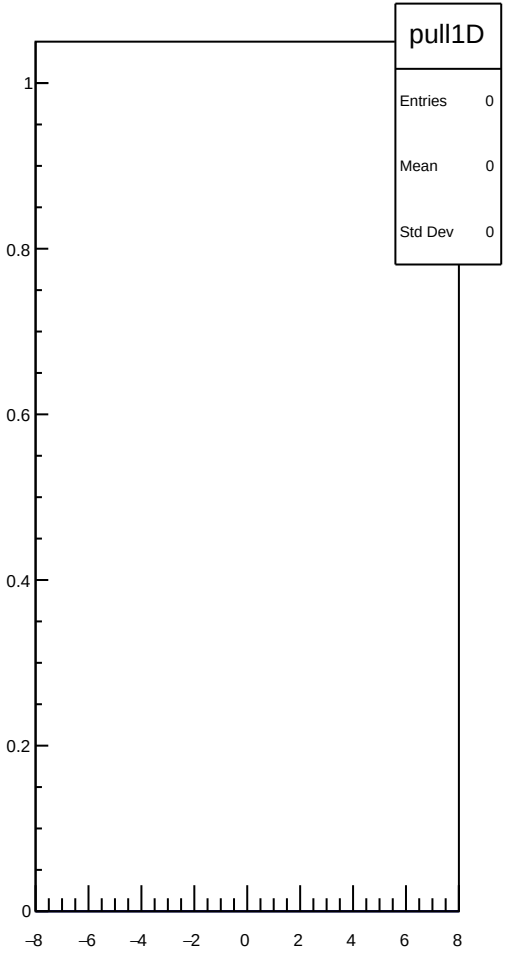

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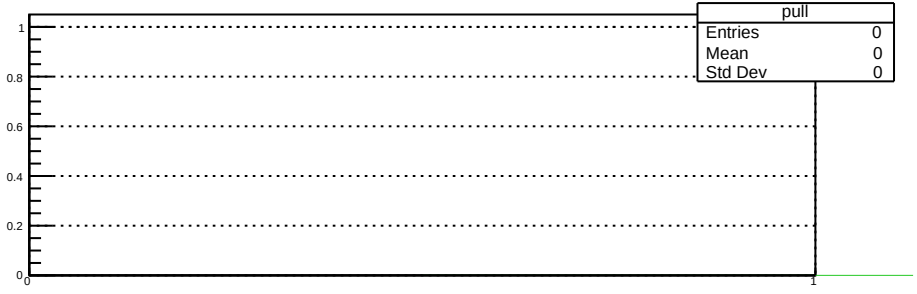

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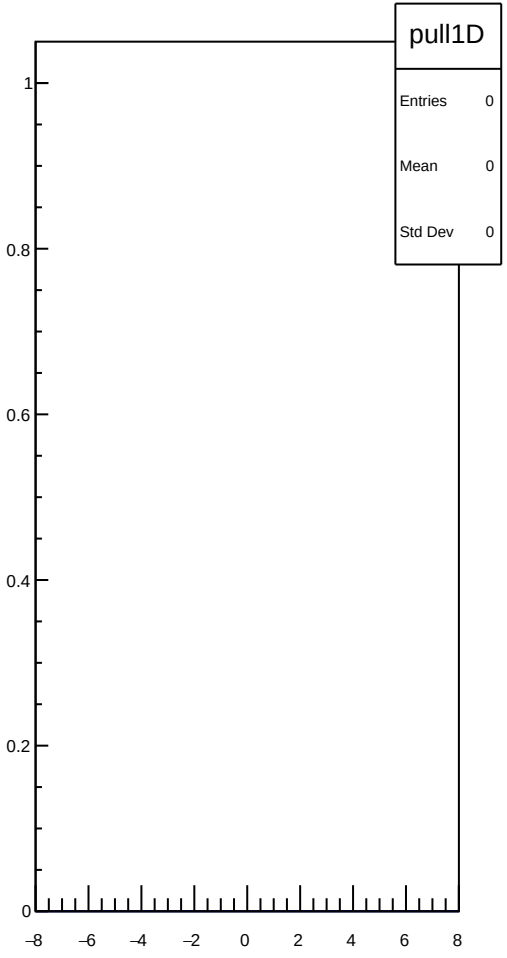

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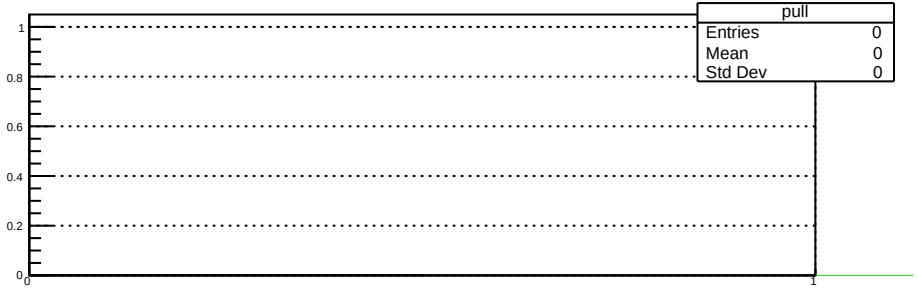

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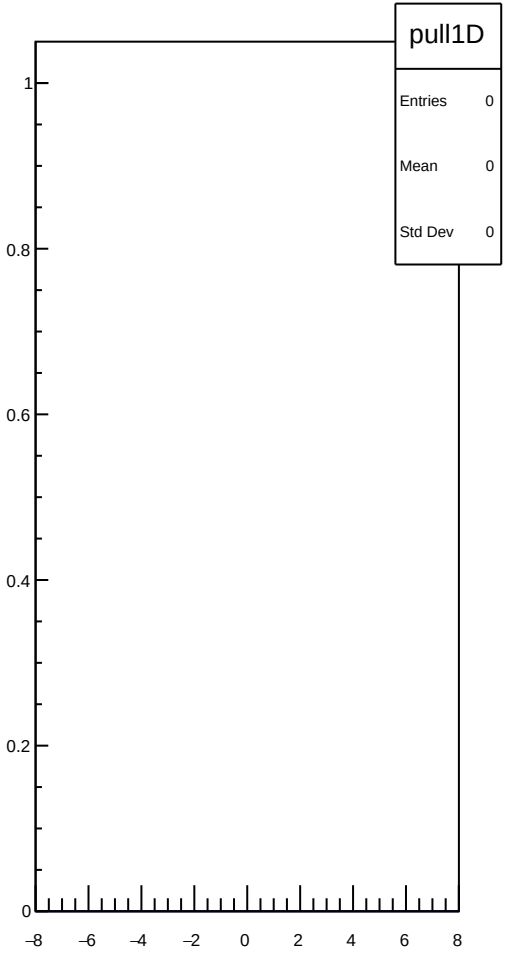

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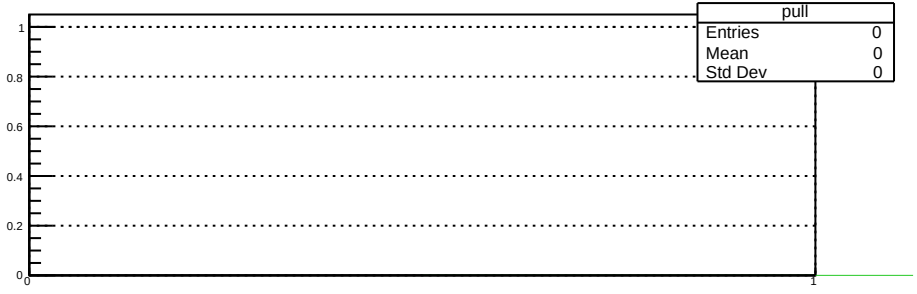

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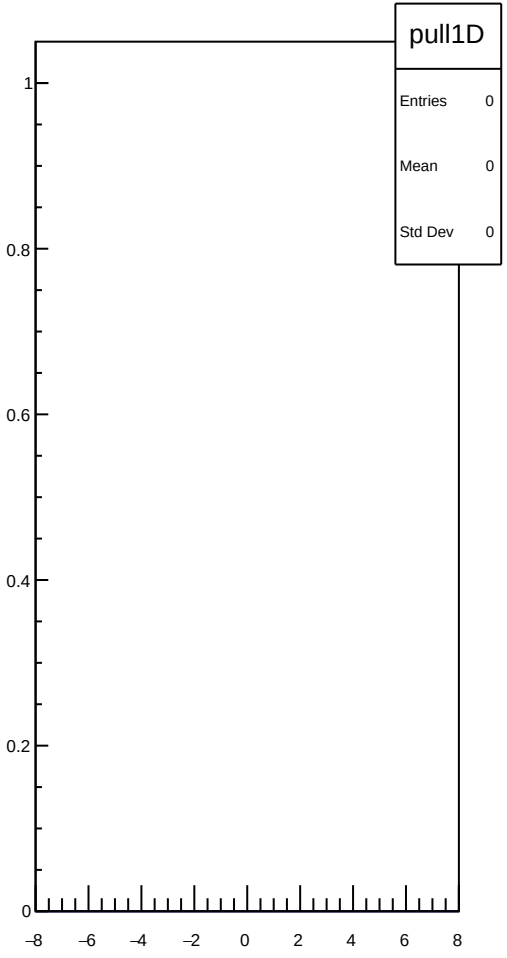

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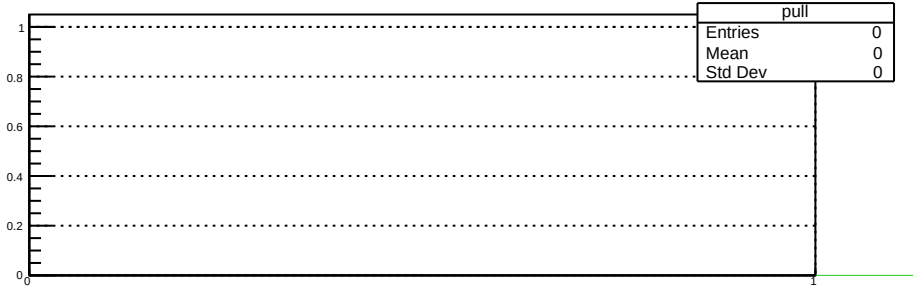

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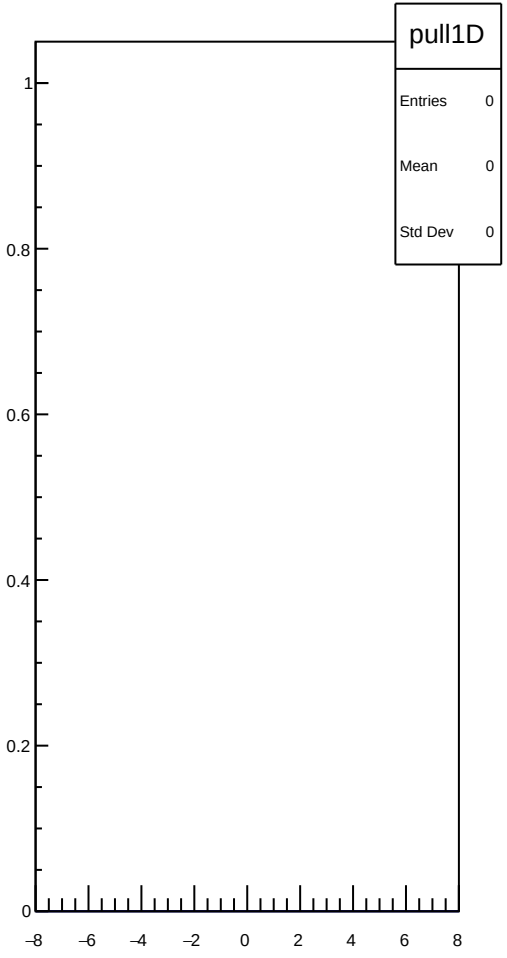

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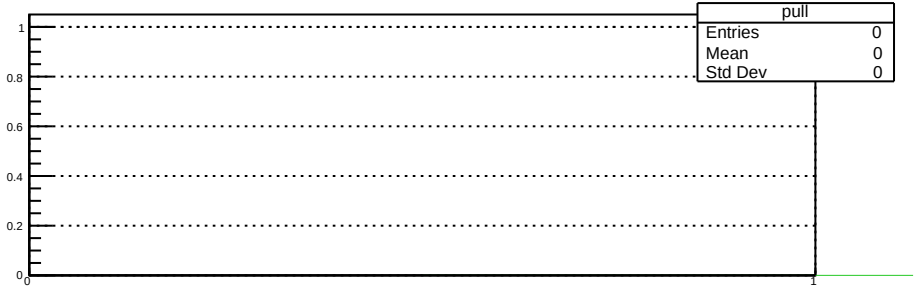

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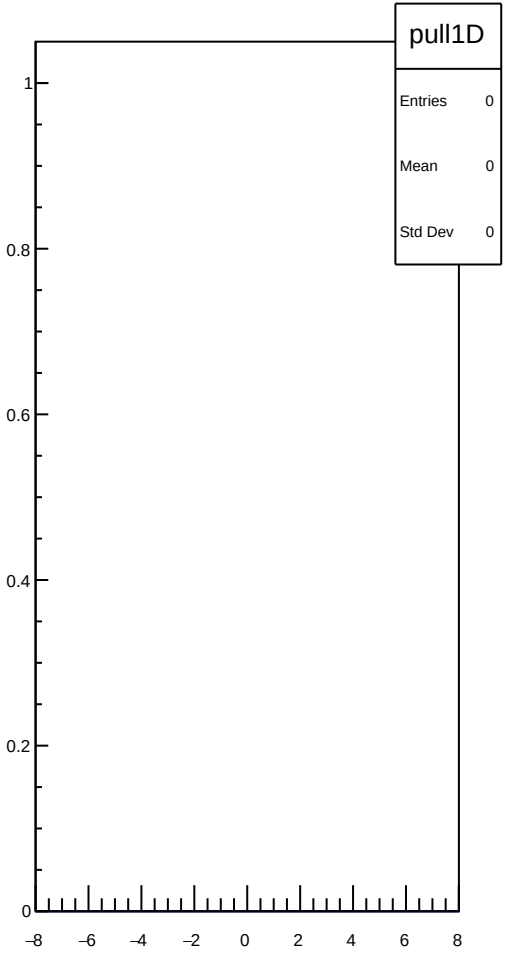

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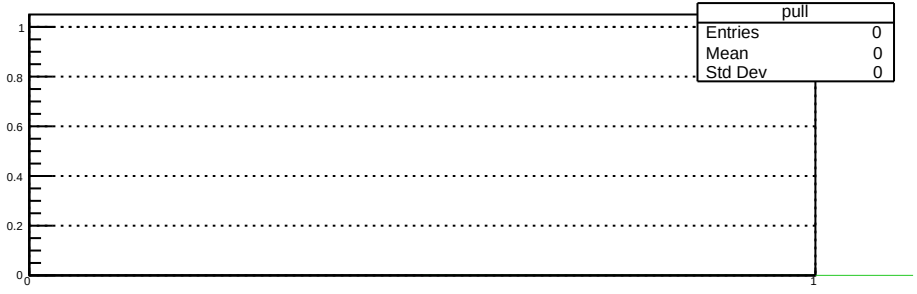

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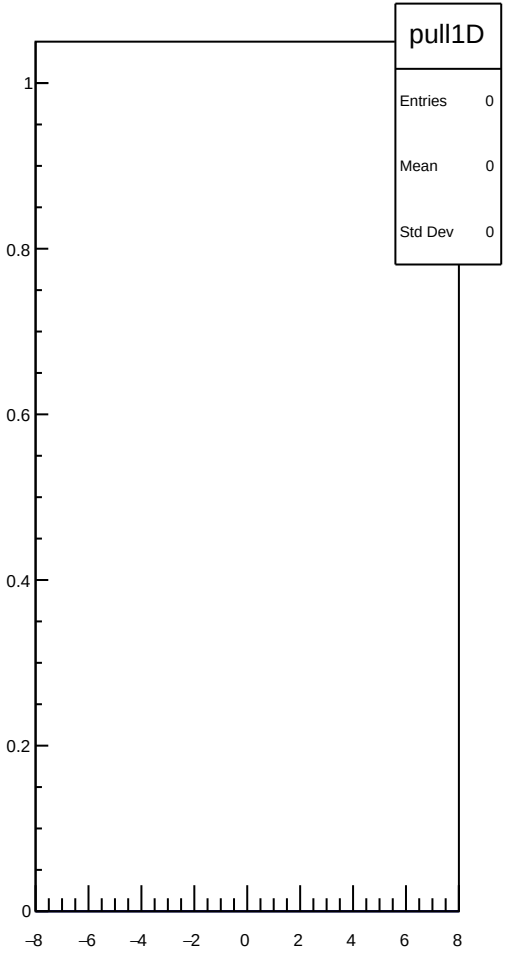

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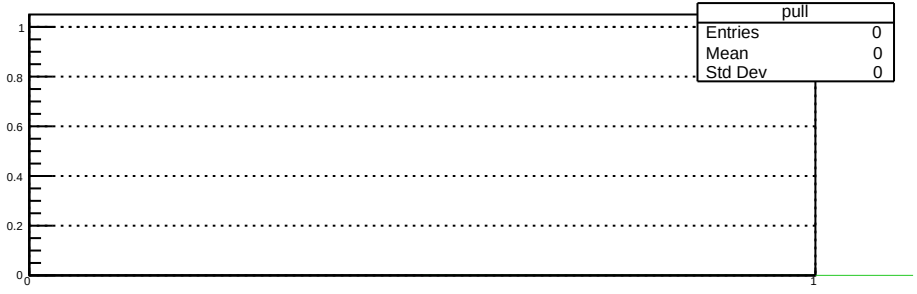

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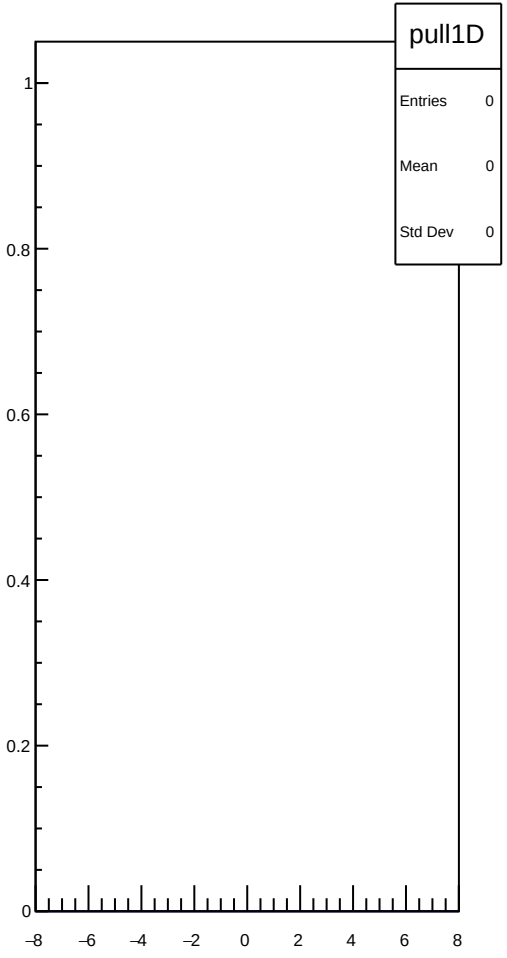

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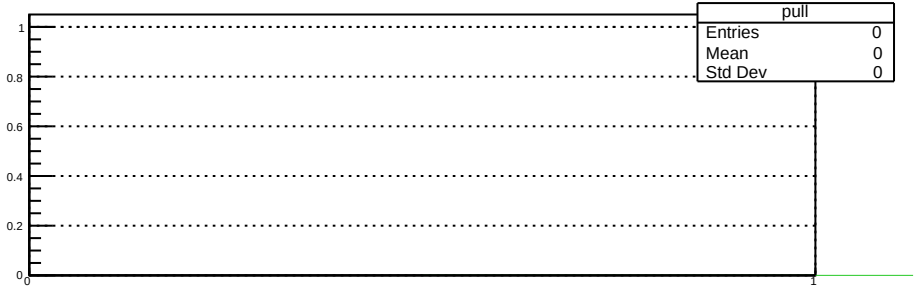

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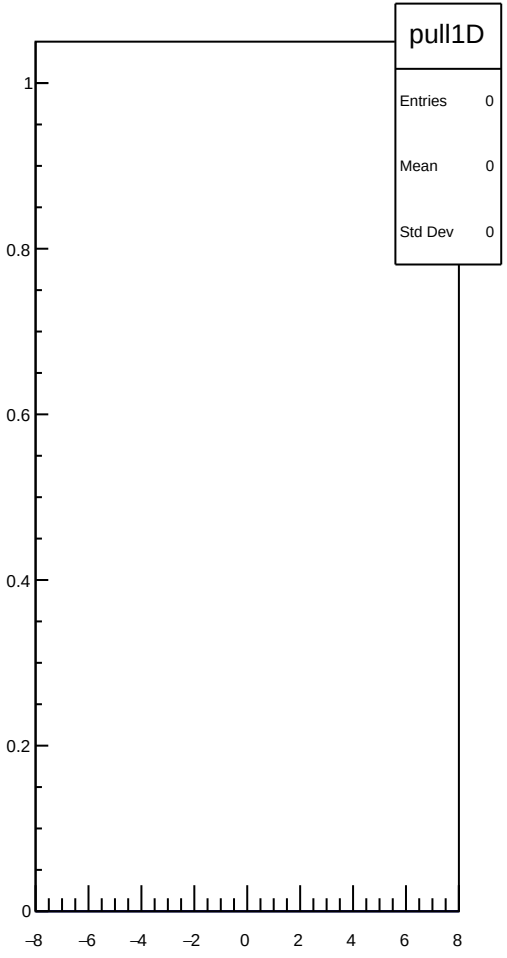

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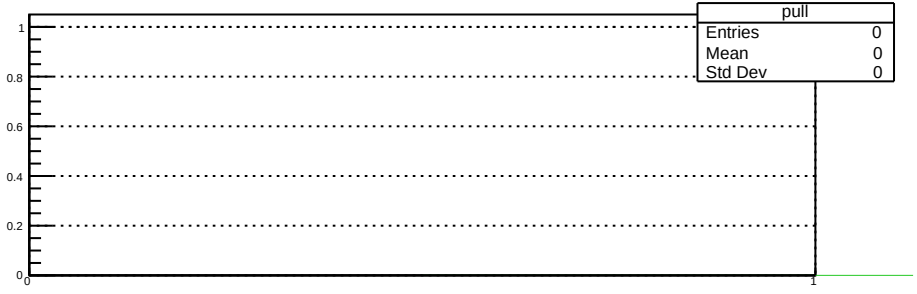

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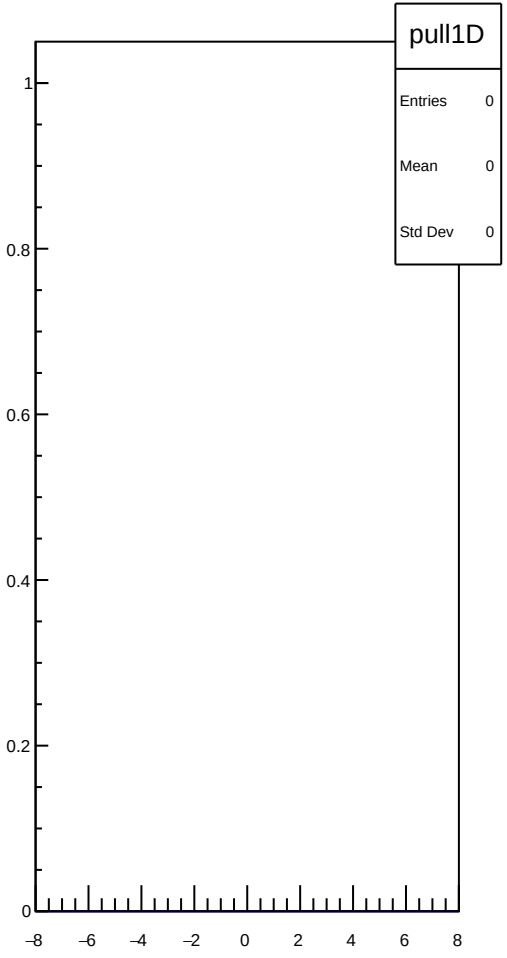

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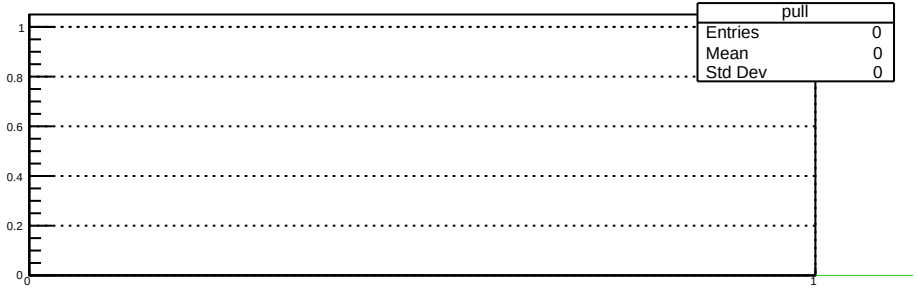

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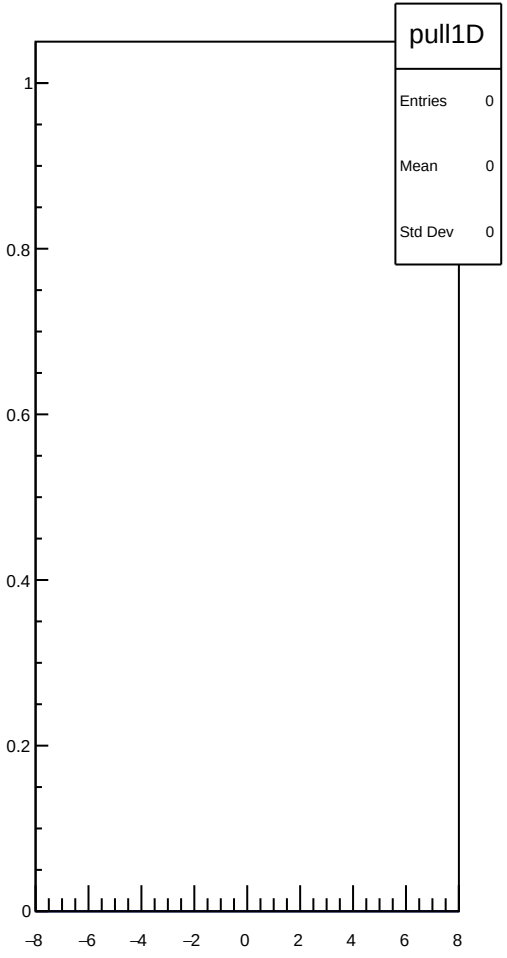

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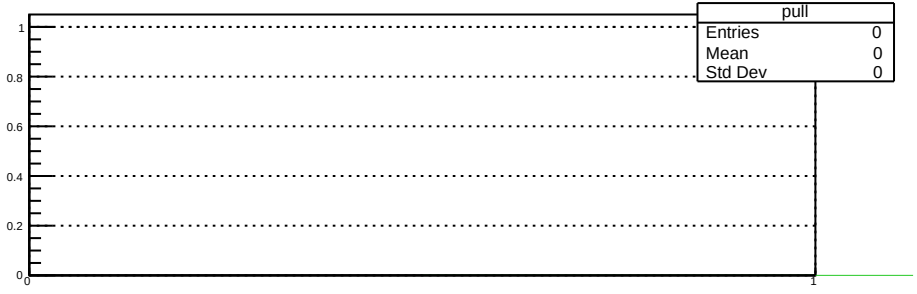

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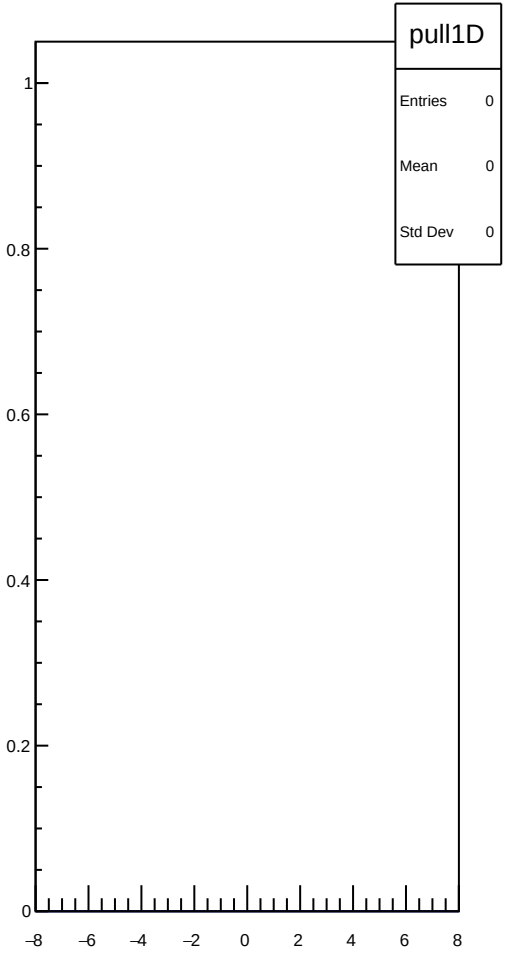

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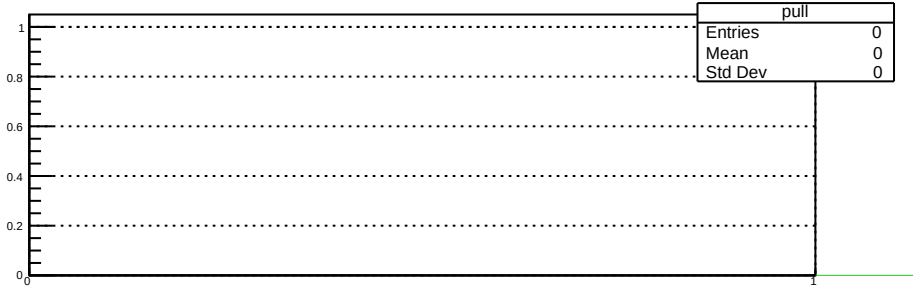

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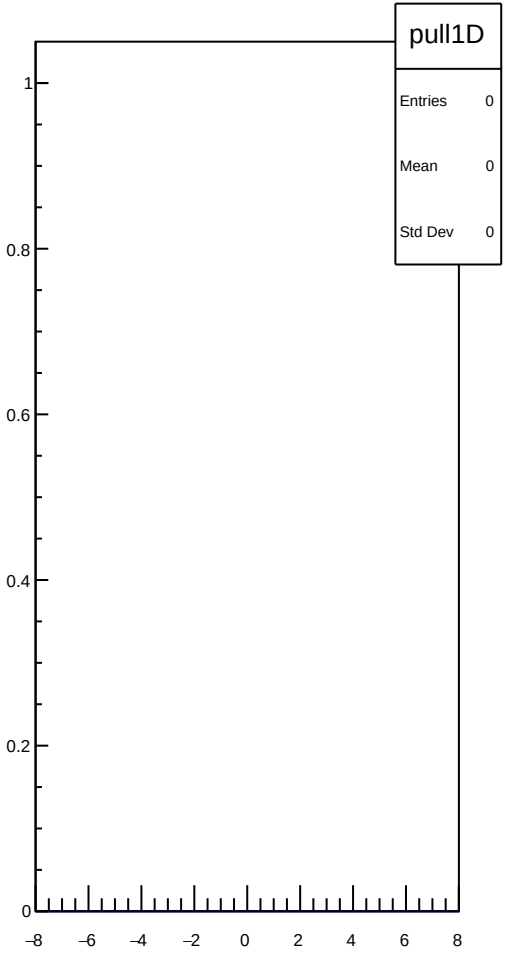

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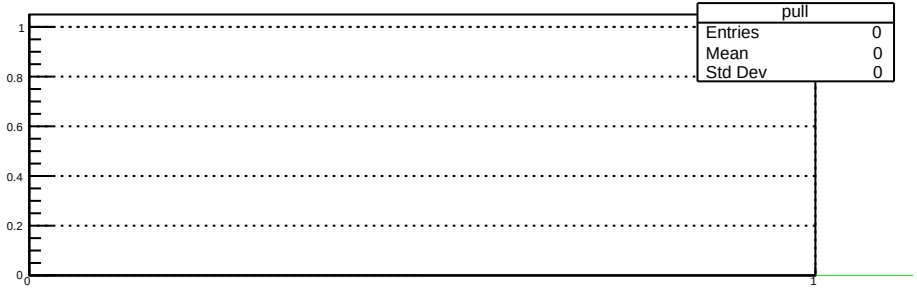

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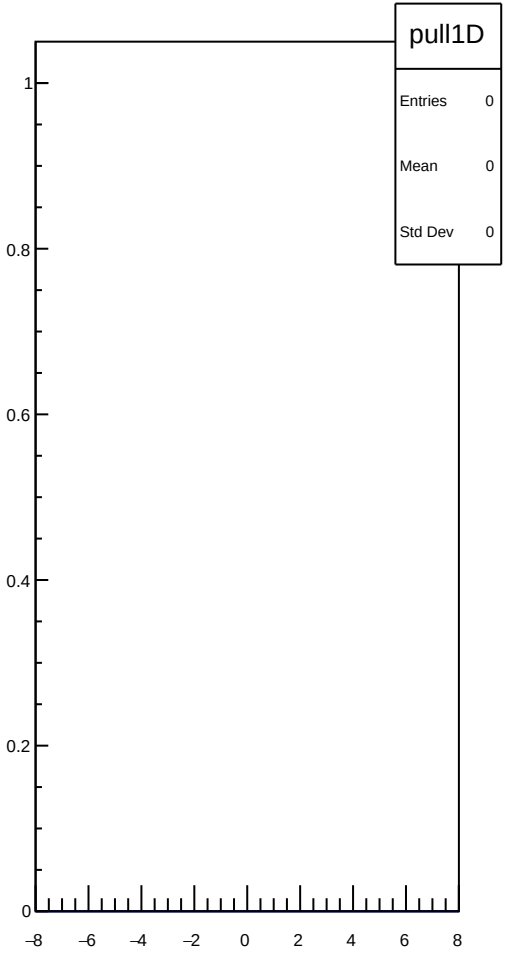

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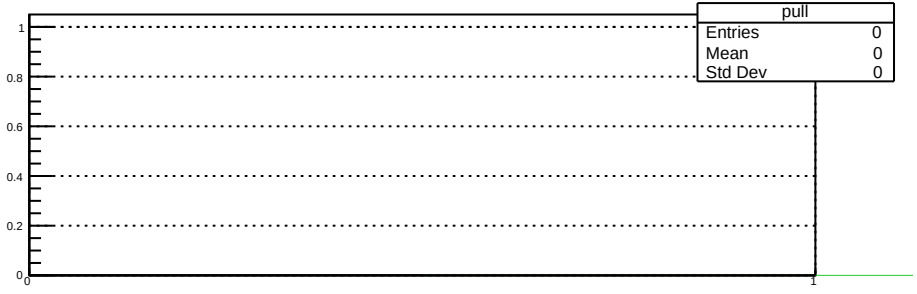

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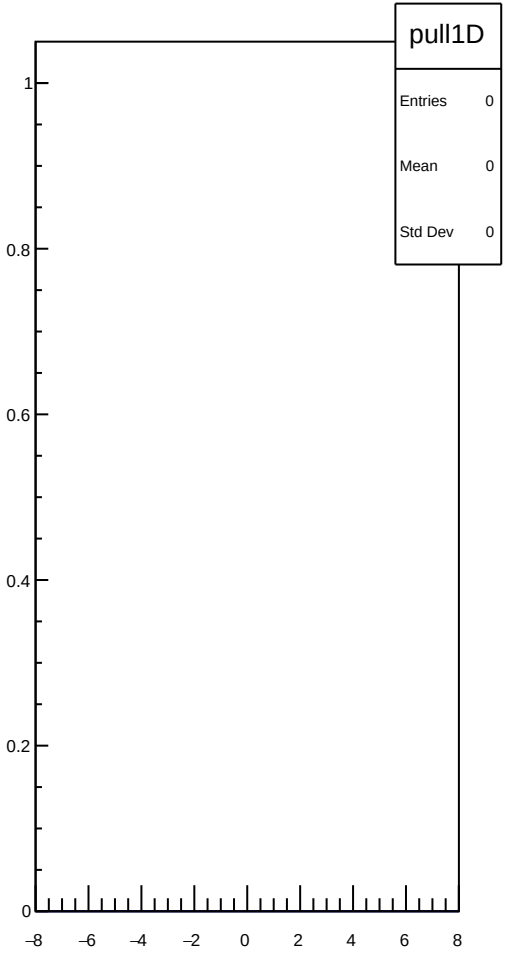

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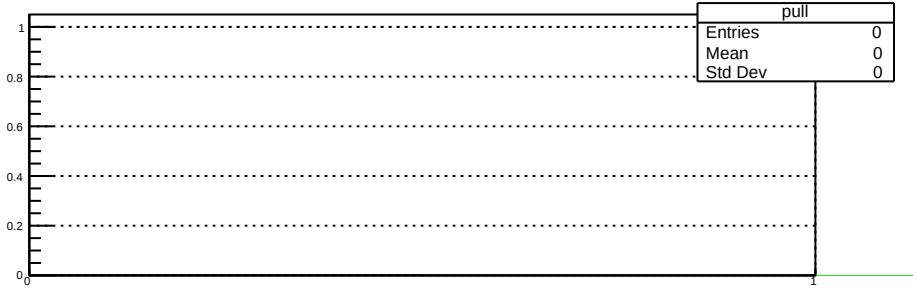

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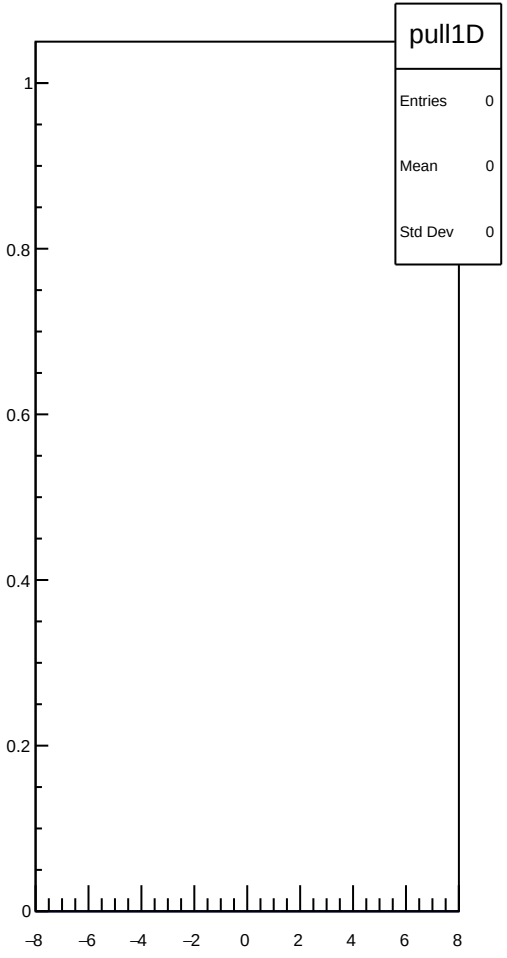

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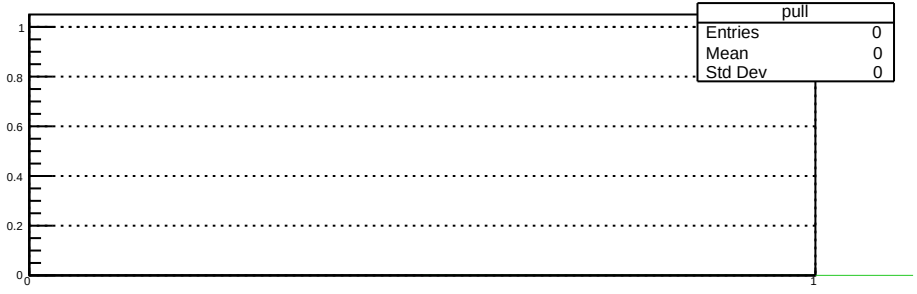

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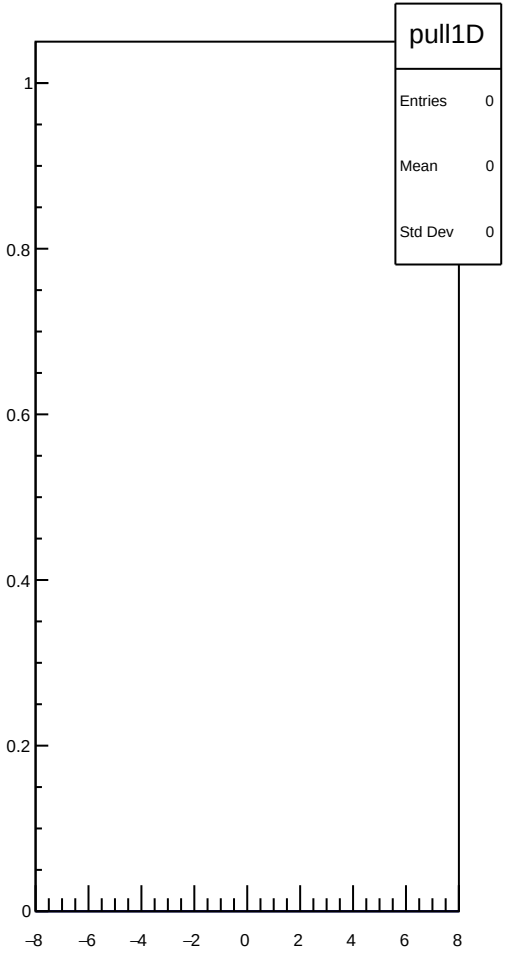

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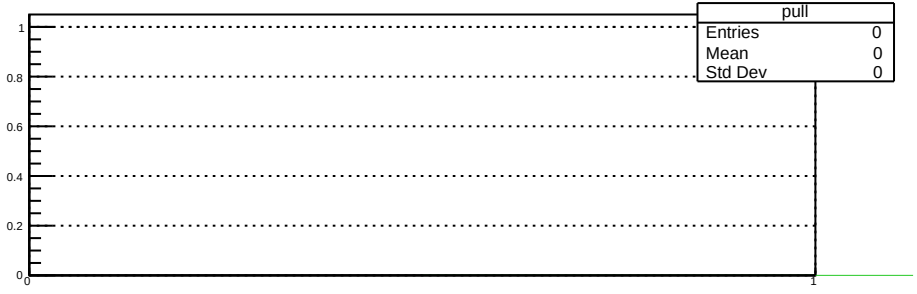

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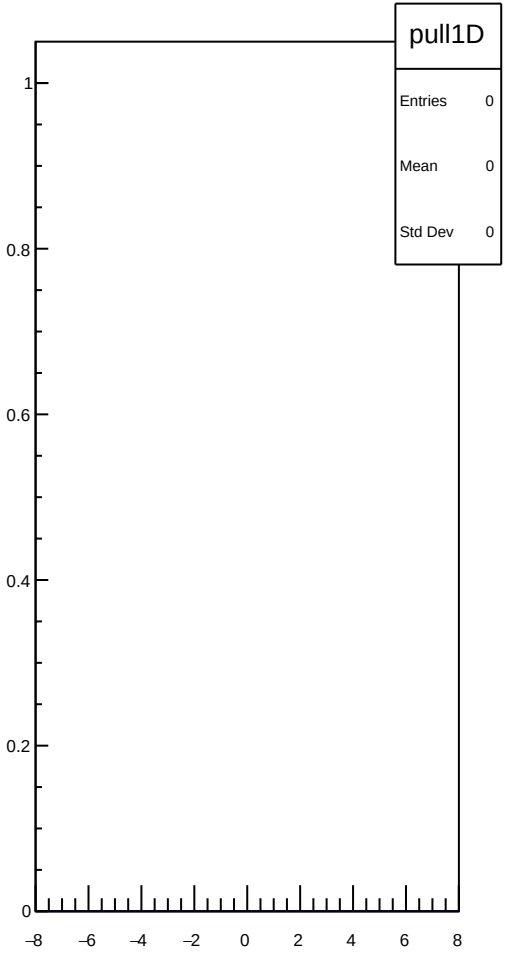

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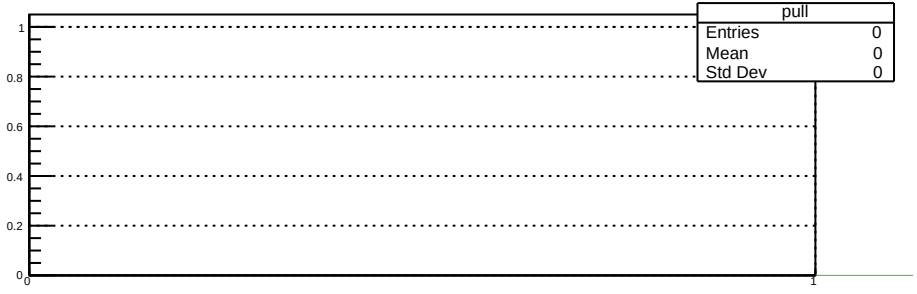

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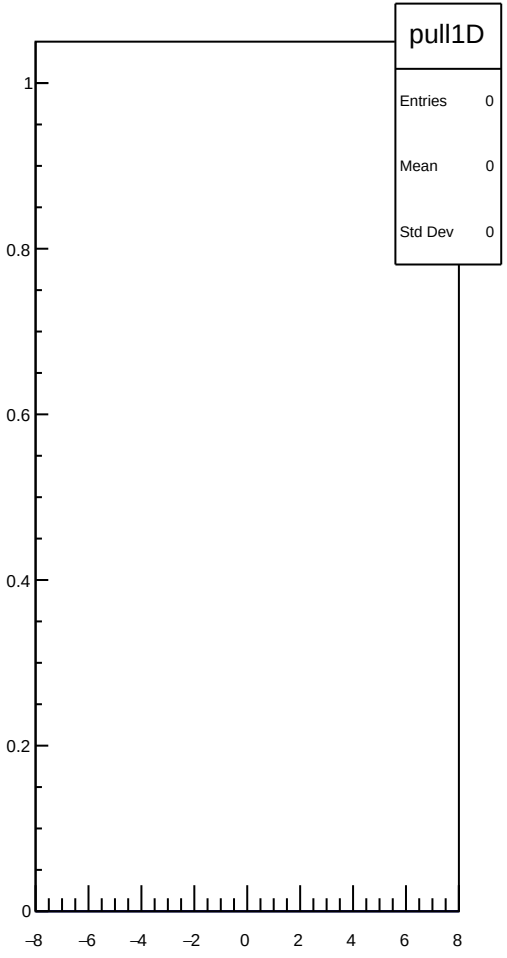

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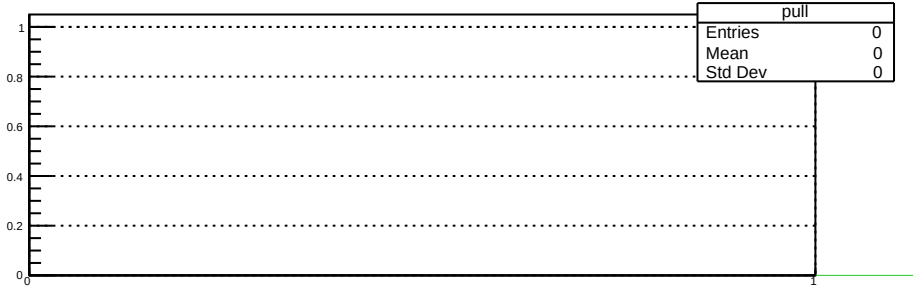

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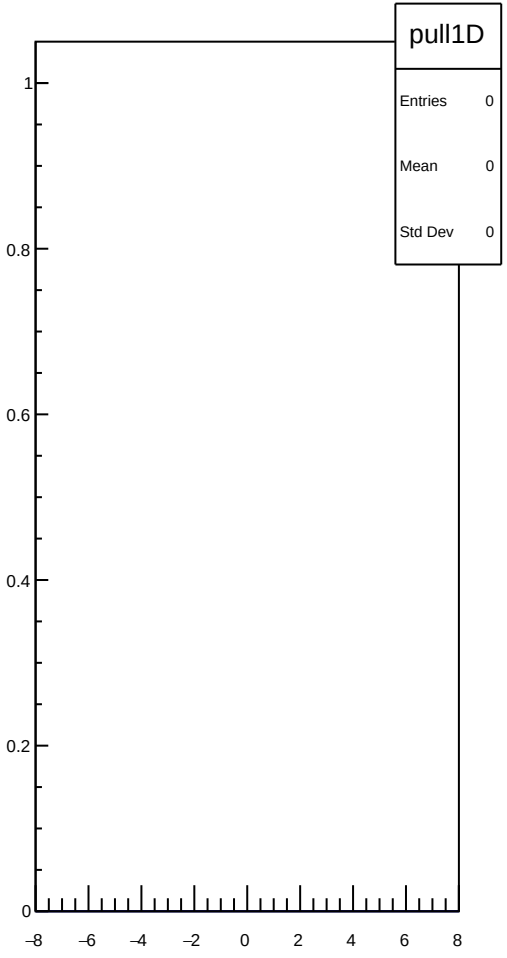

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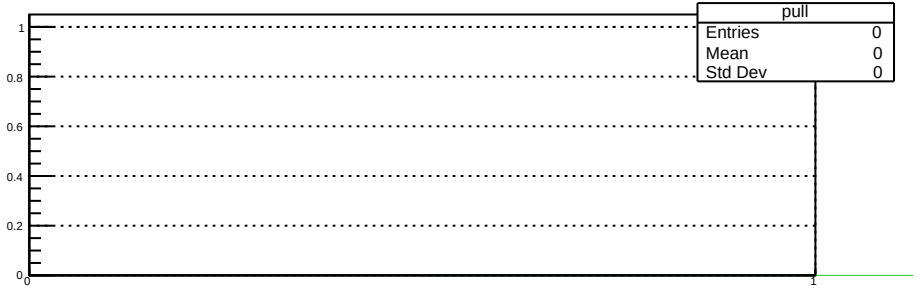

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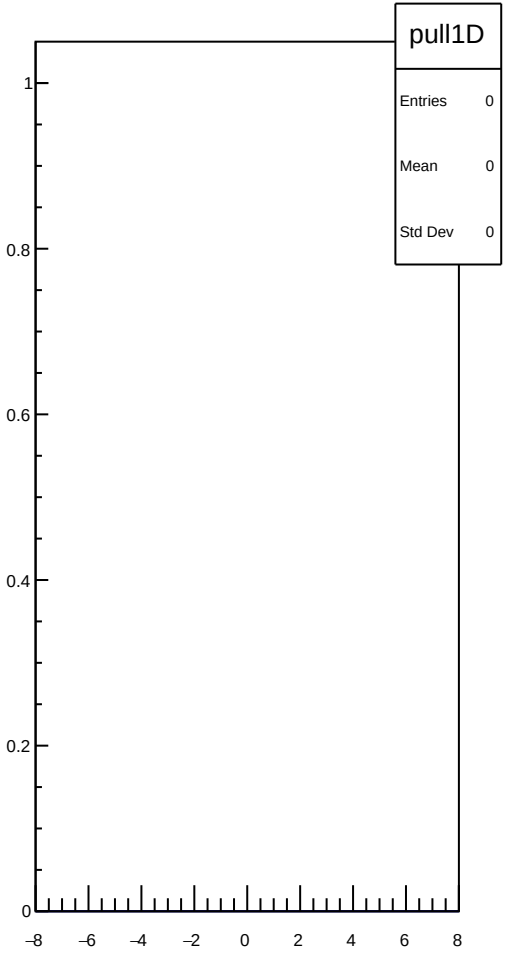

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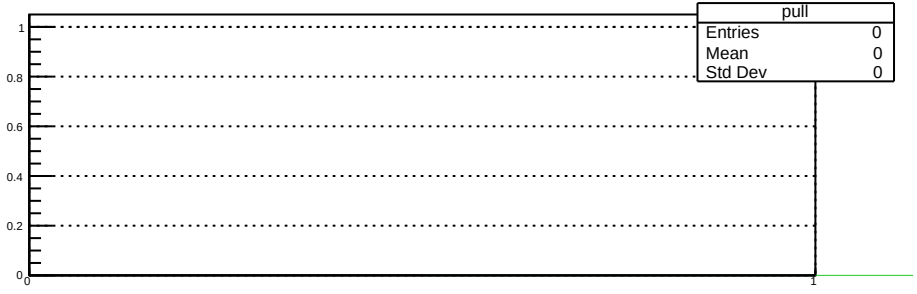

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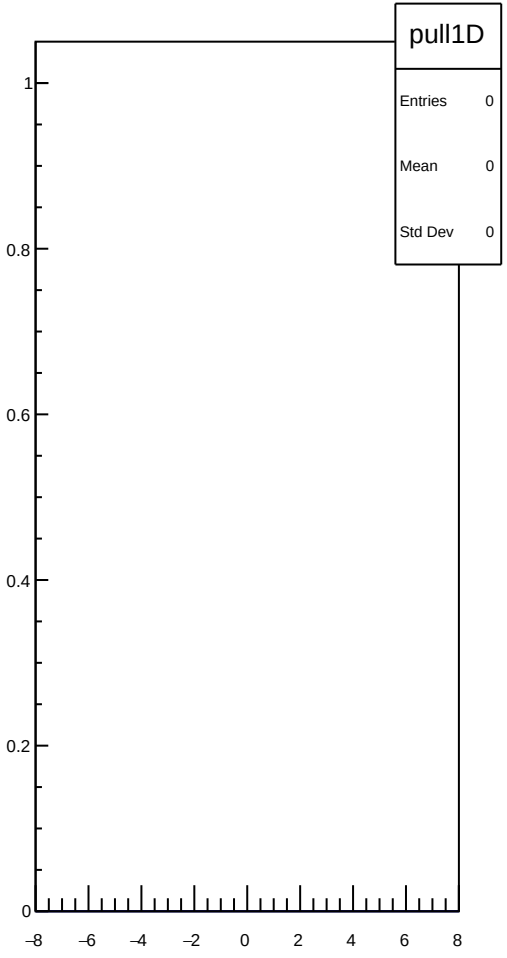

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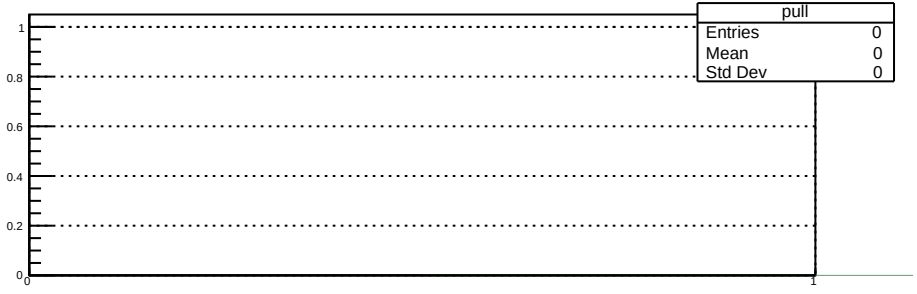

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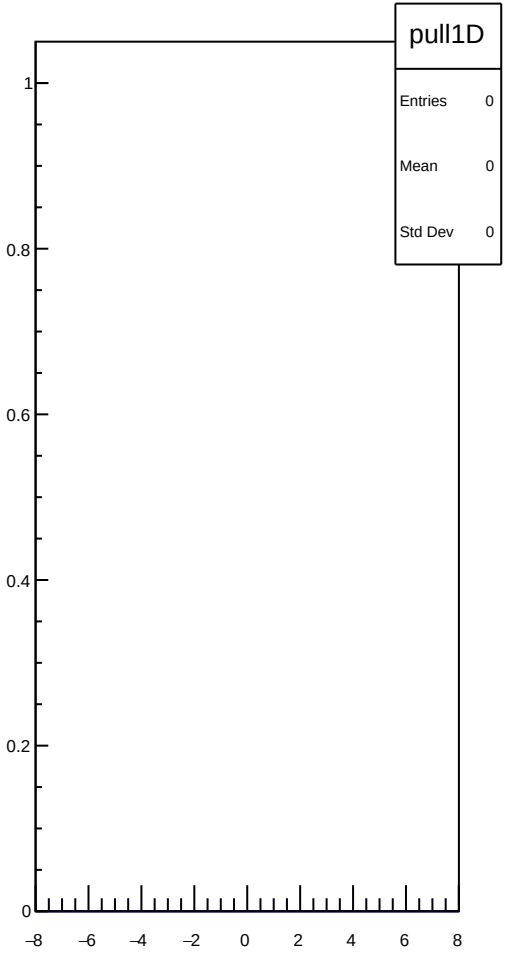

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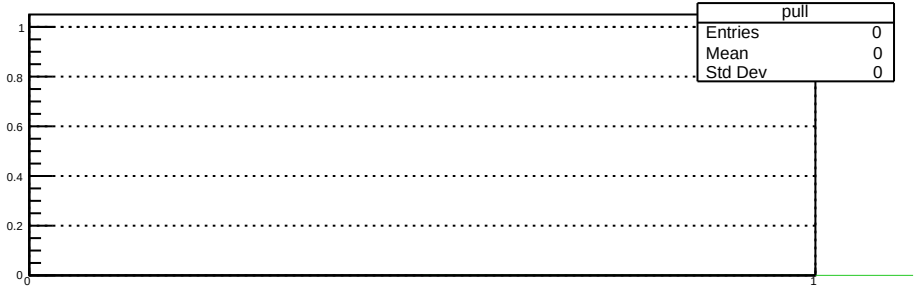

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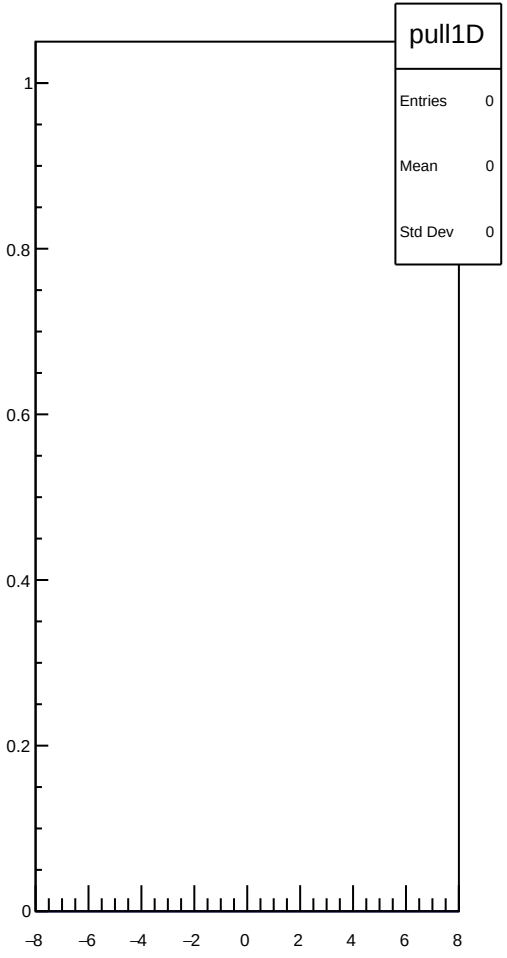

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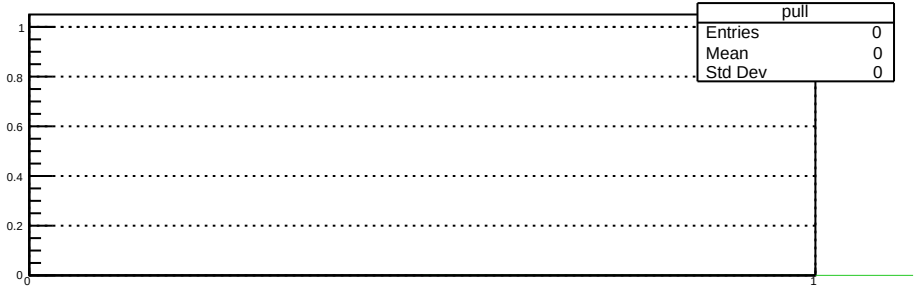

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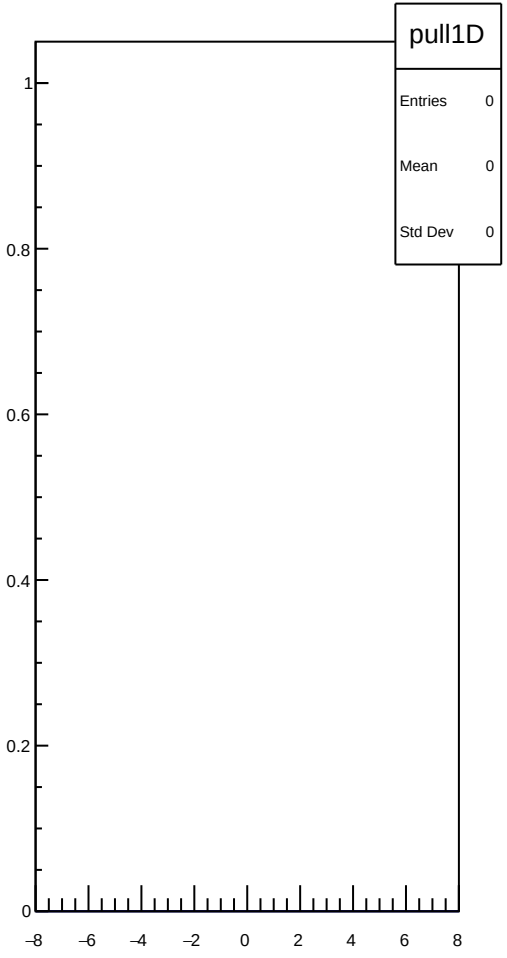

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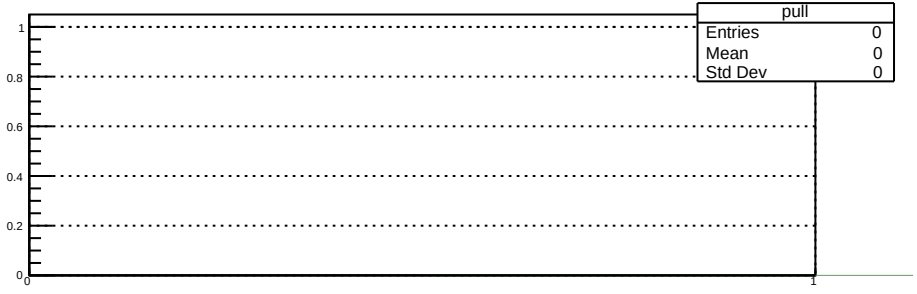

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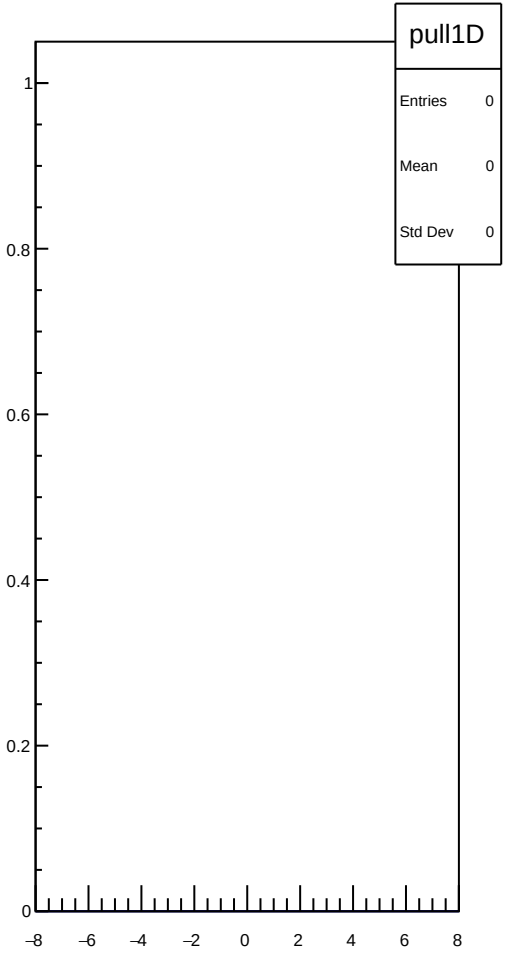

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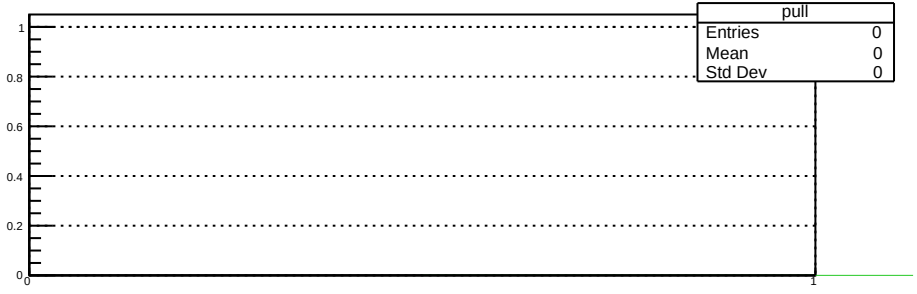

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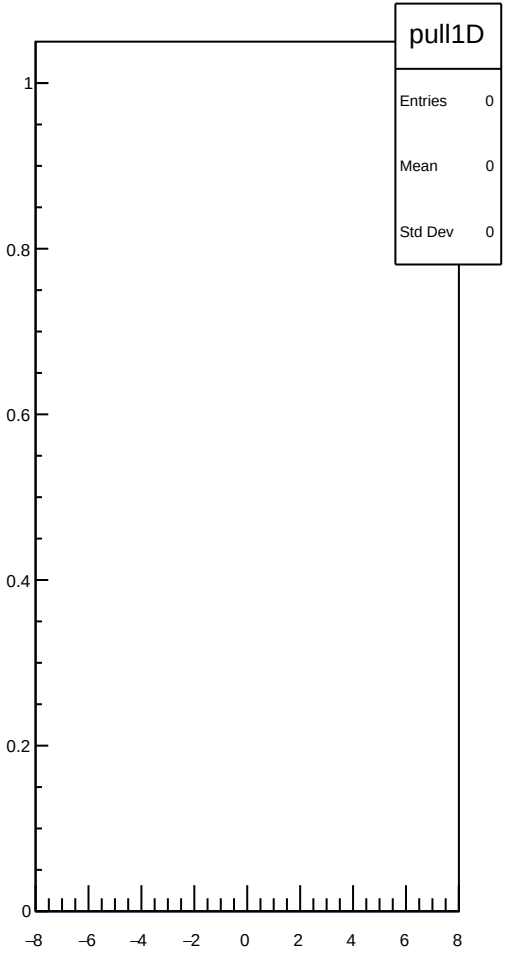

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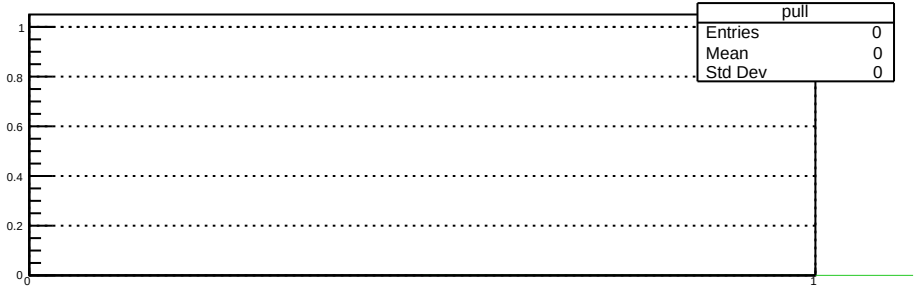

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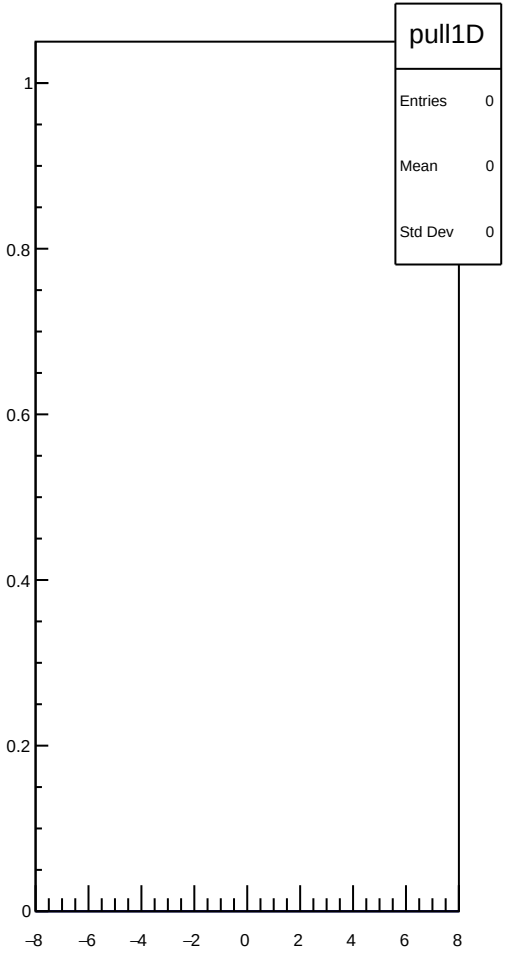

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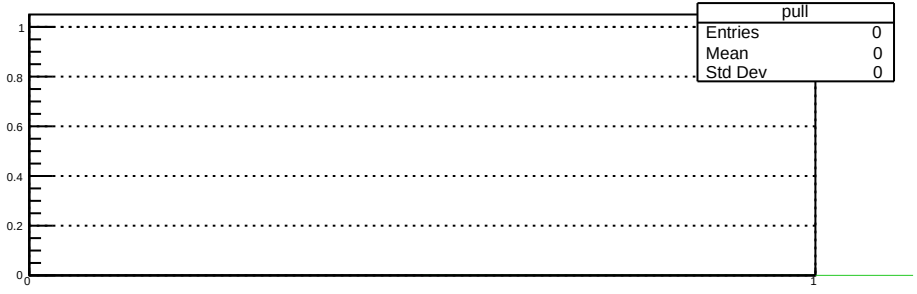

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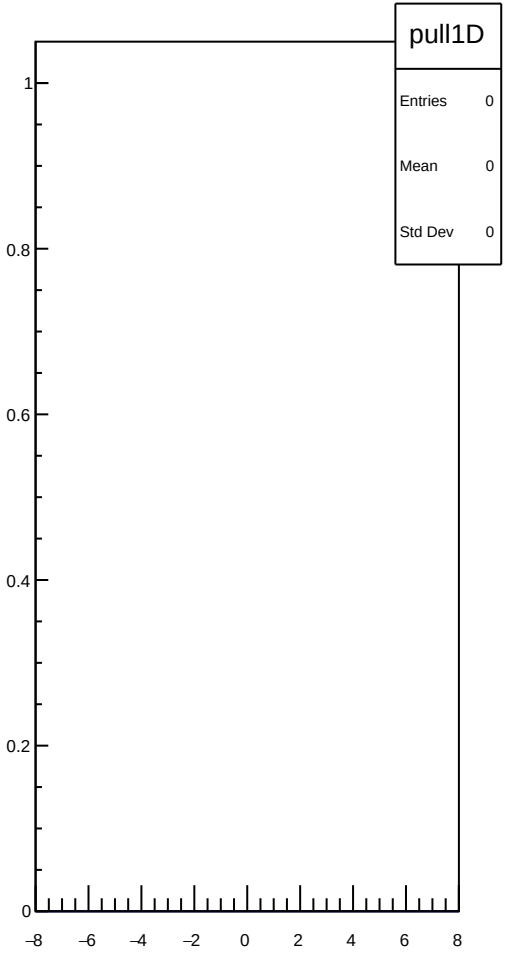

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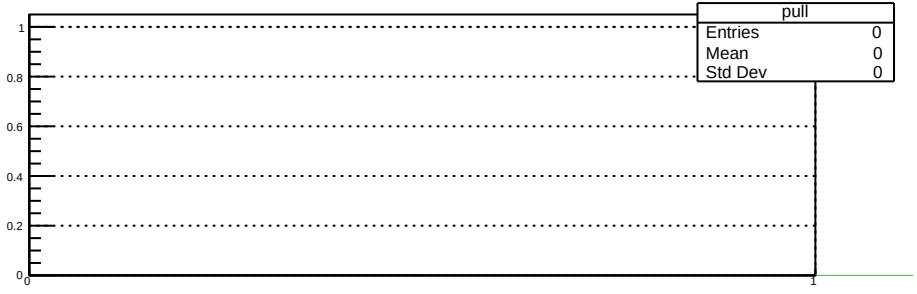

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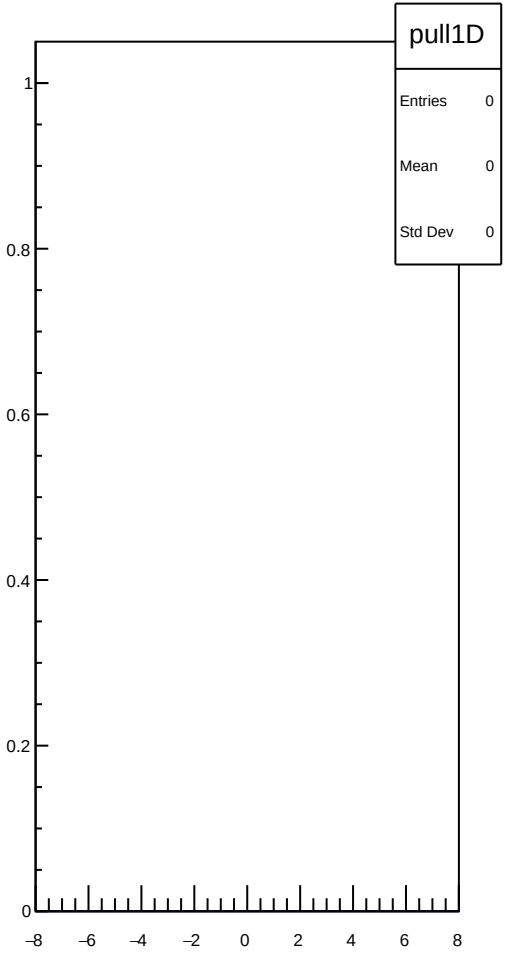

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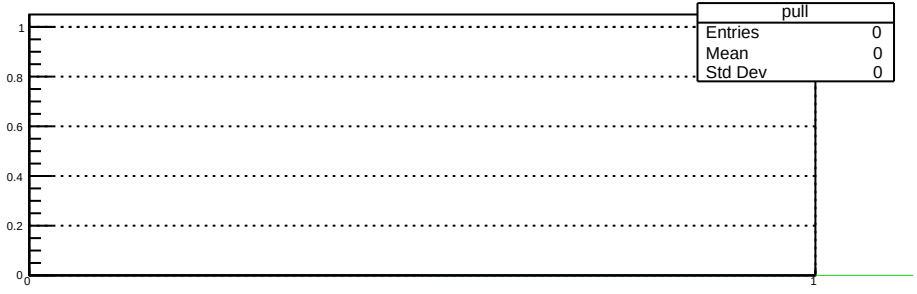

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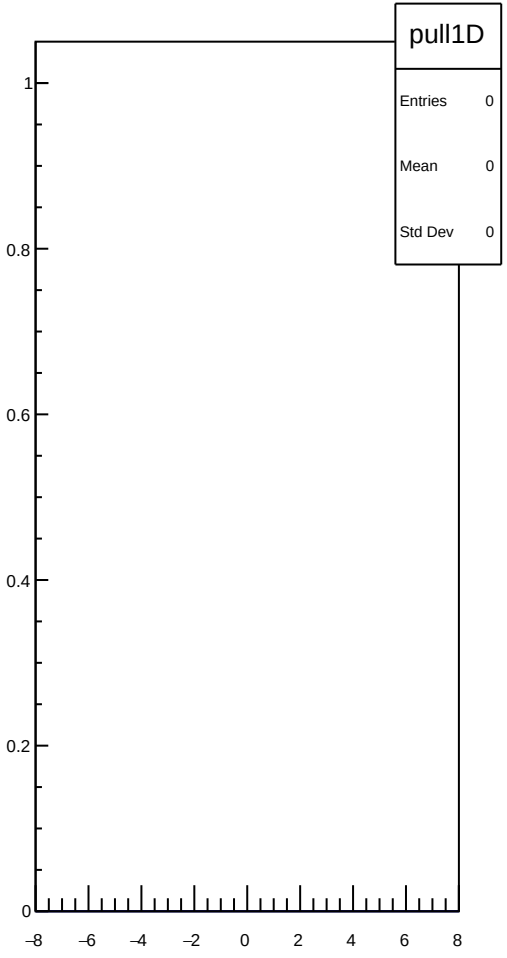

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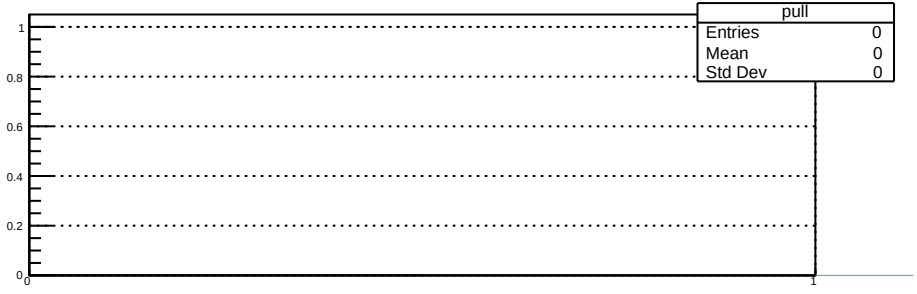

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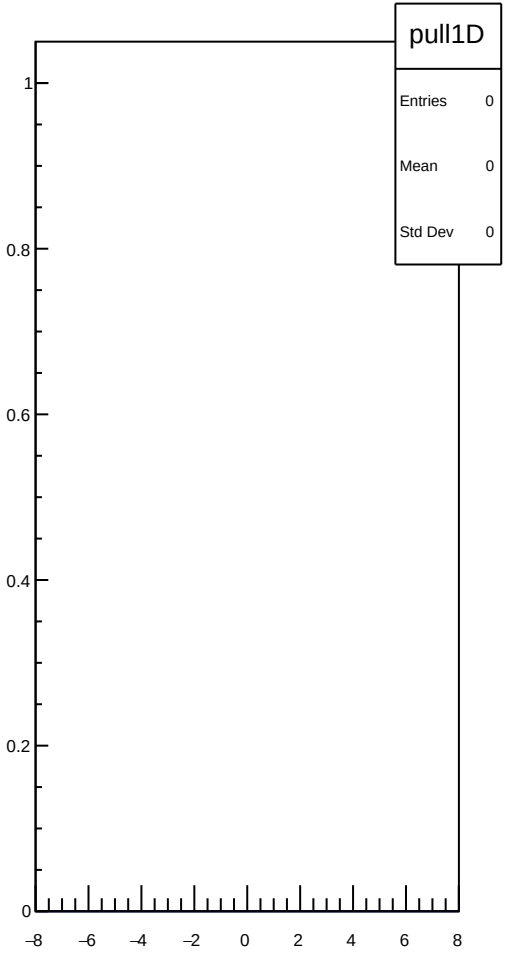

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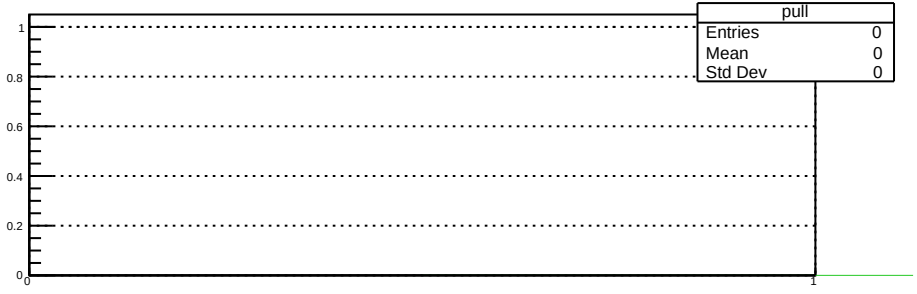

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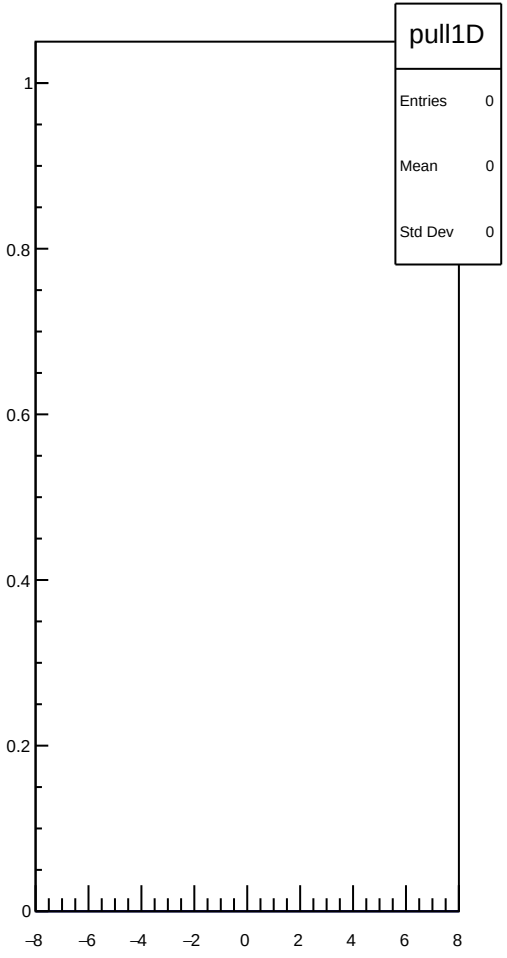

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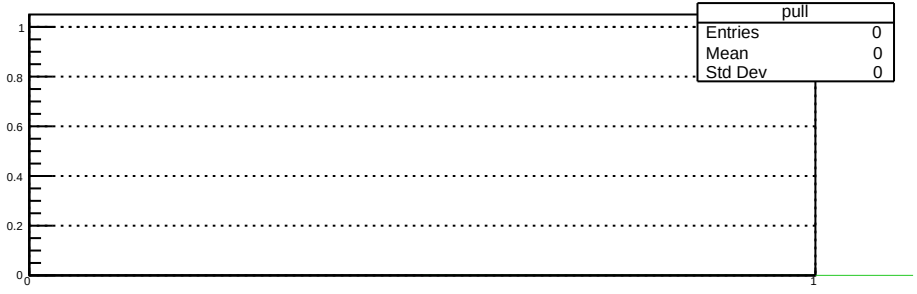

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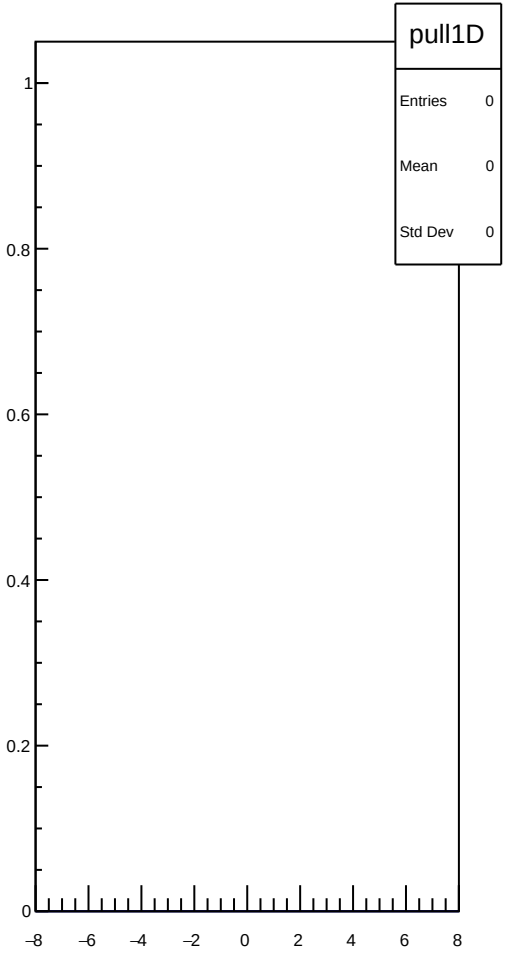

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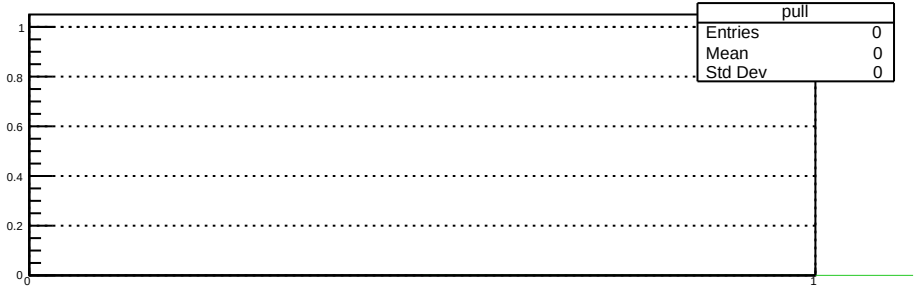

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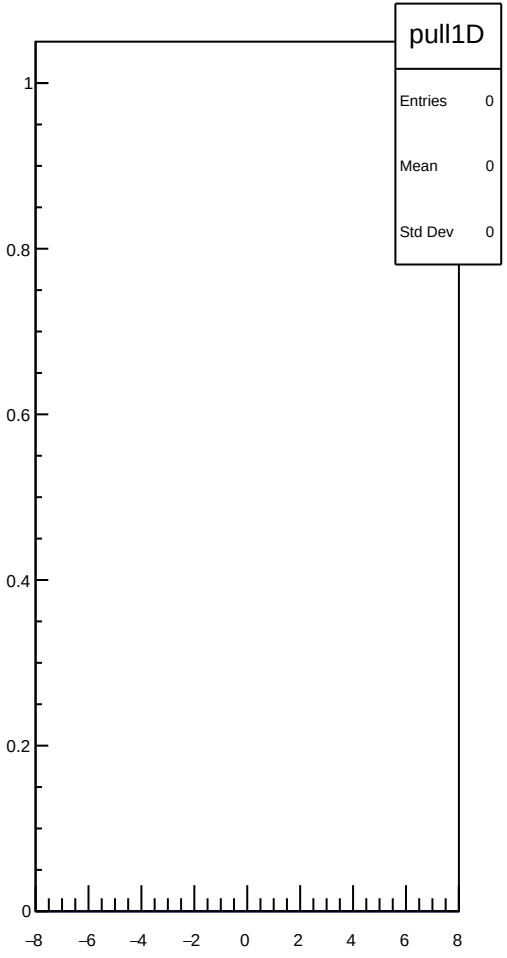

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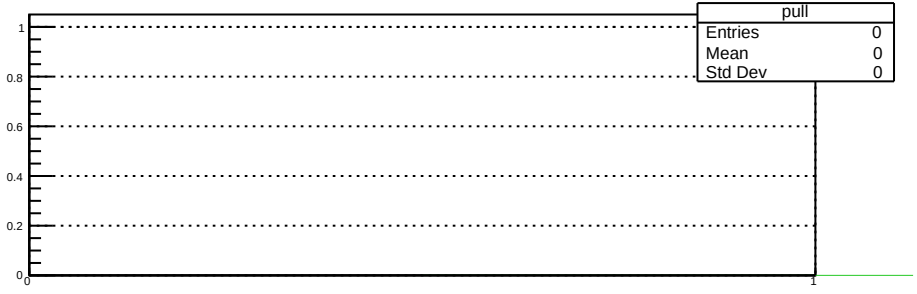

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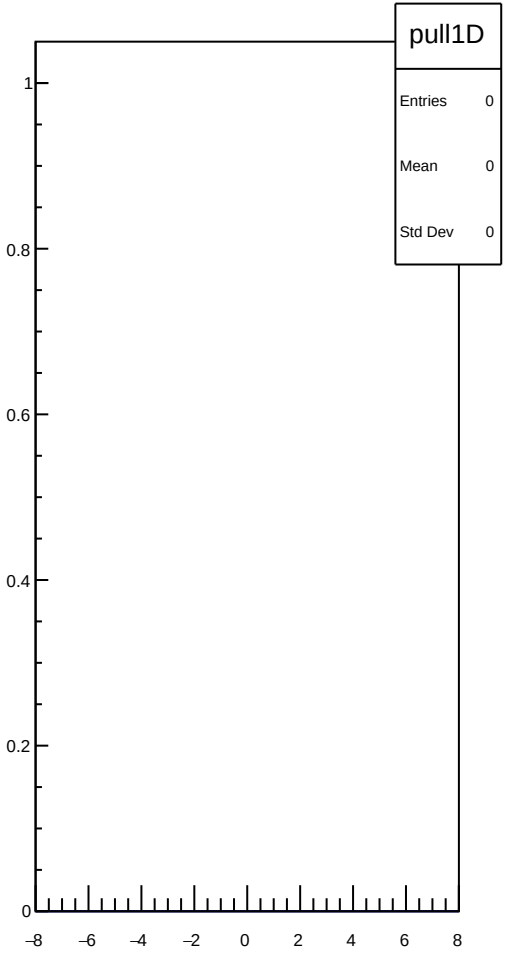

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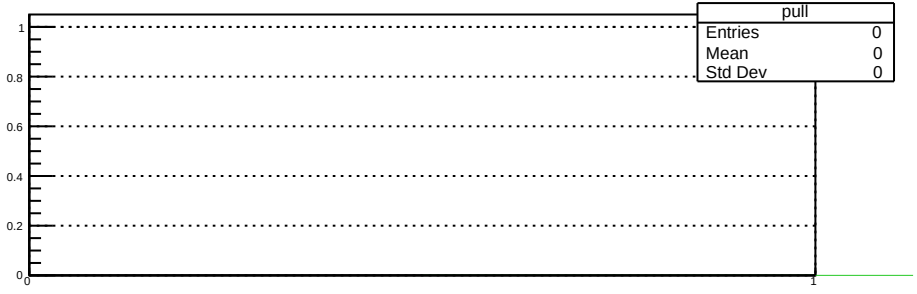

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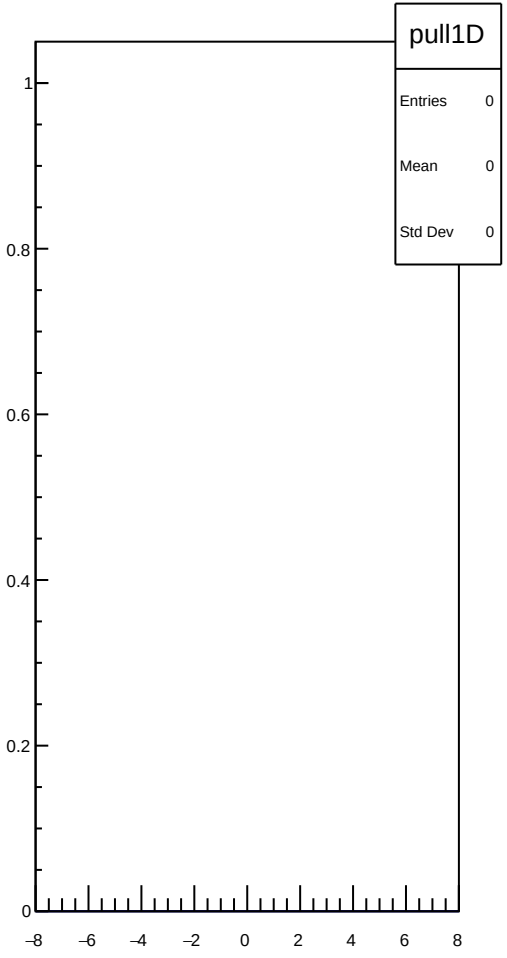

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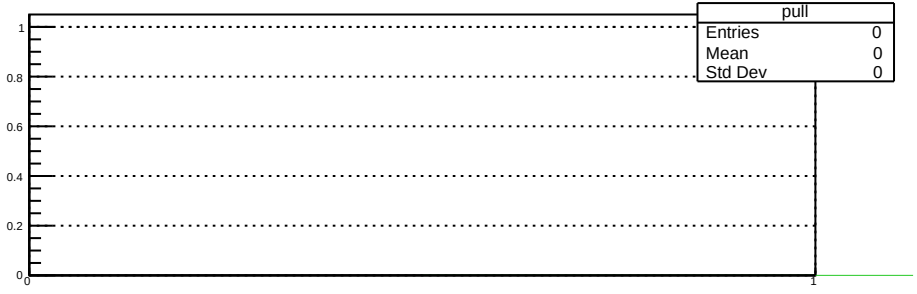

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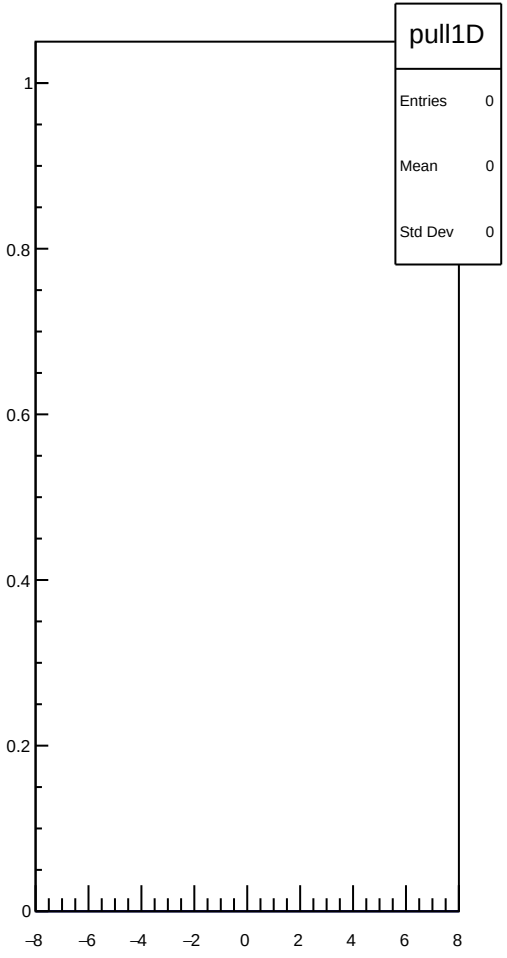

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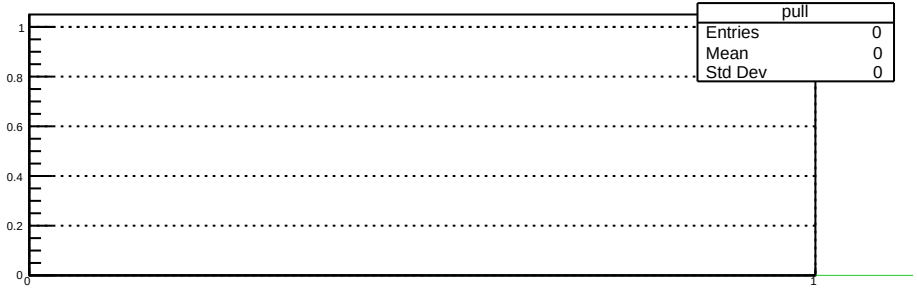

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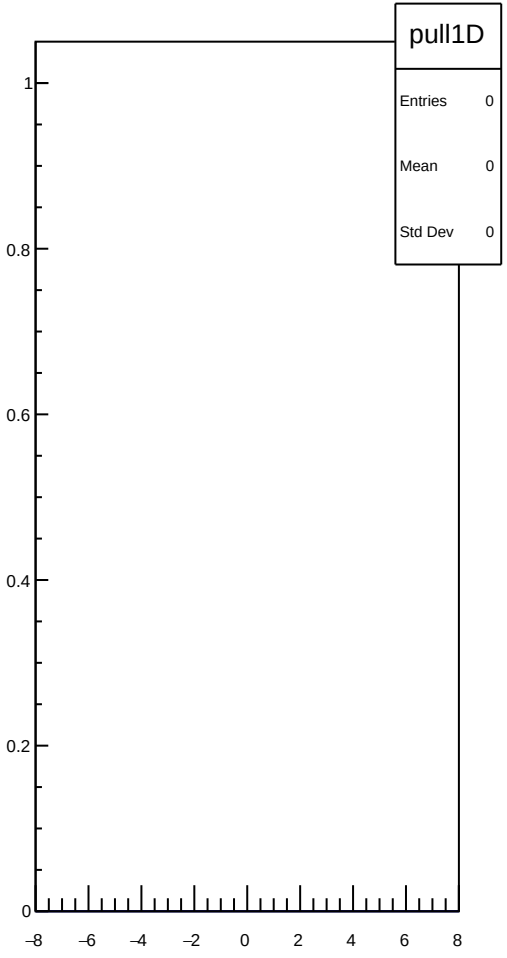

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Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

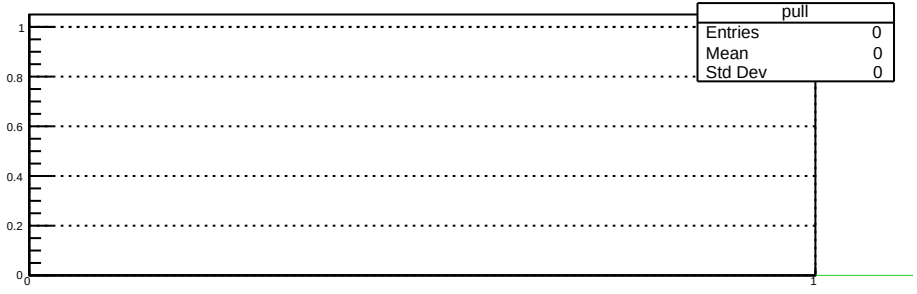

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

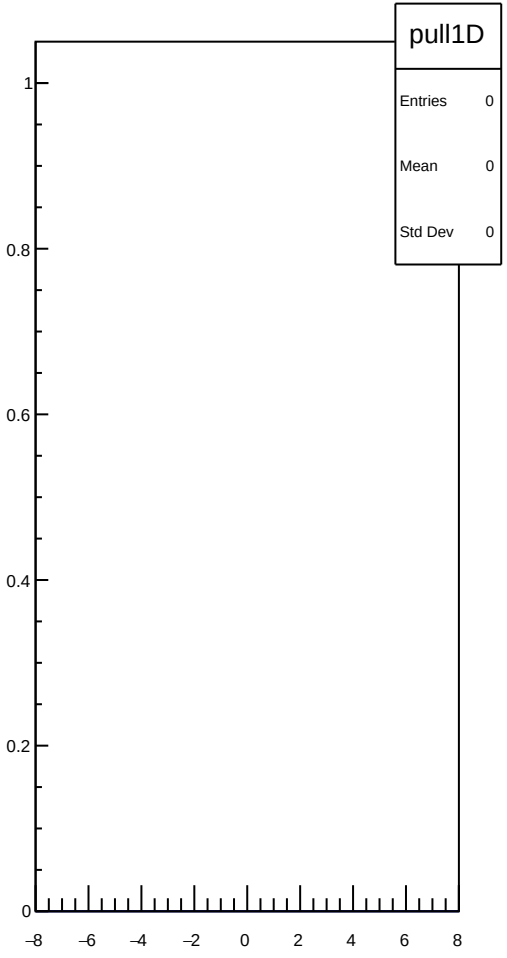

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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0
1

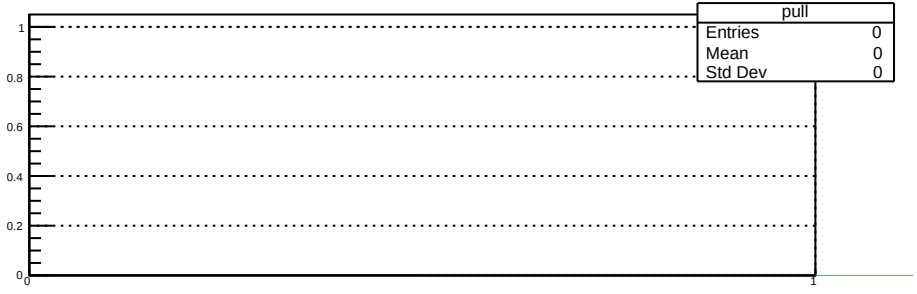

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
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2
4
6
8

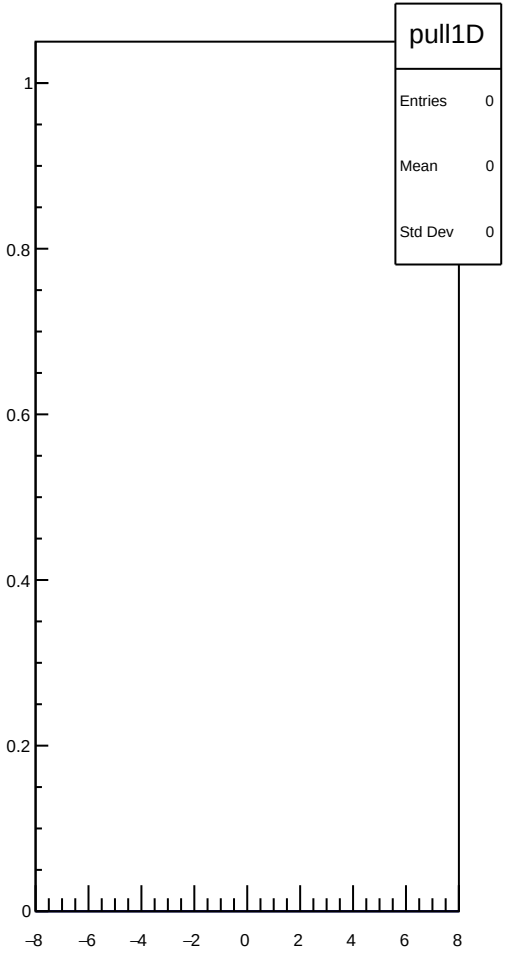

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

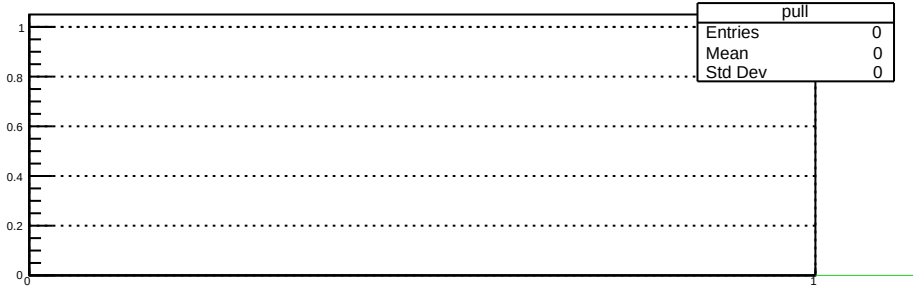

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
–6
–4
–2
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2
4
6
8

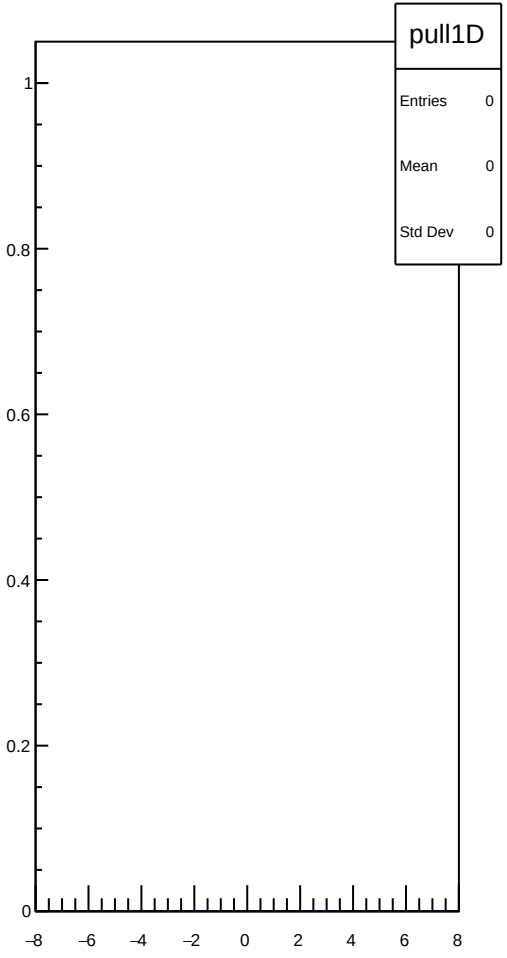

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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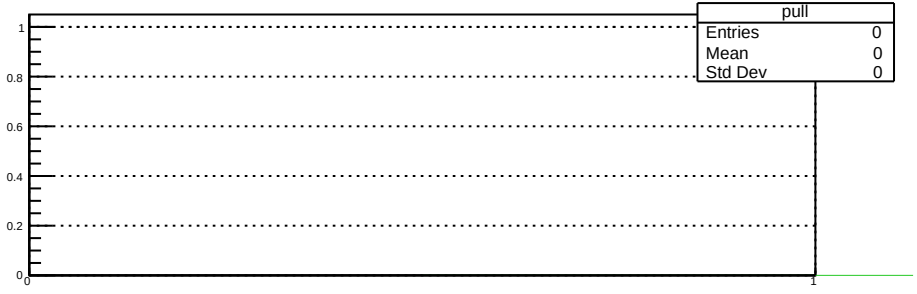

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
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2
4
6
8

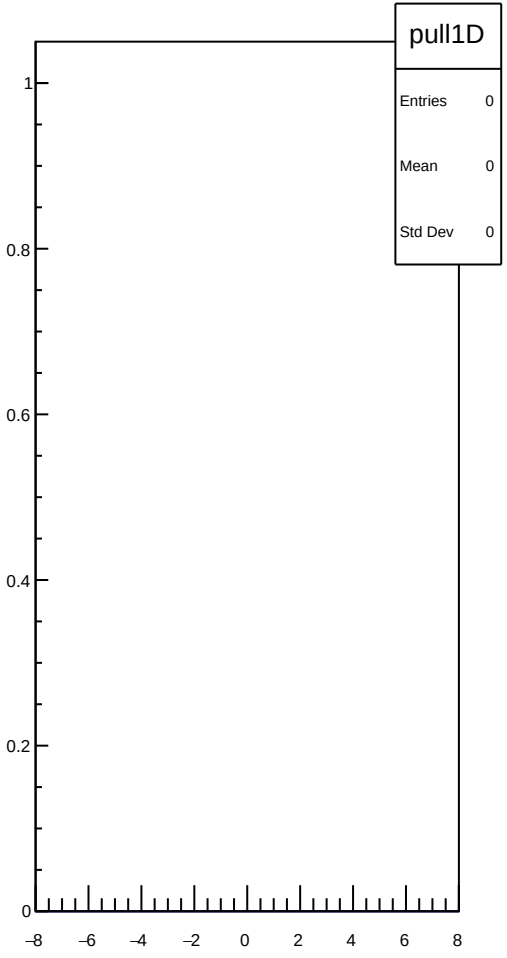

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

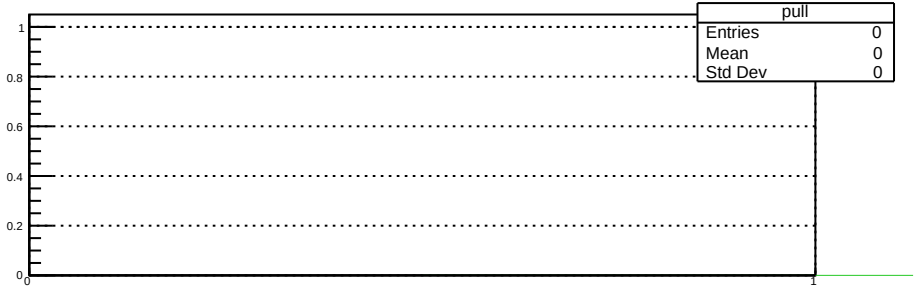

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
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2
4
6
8

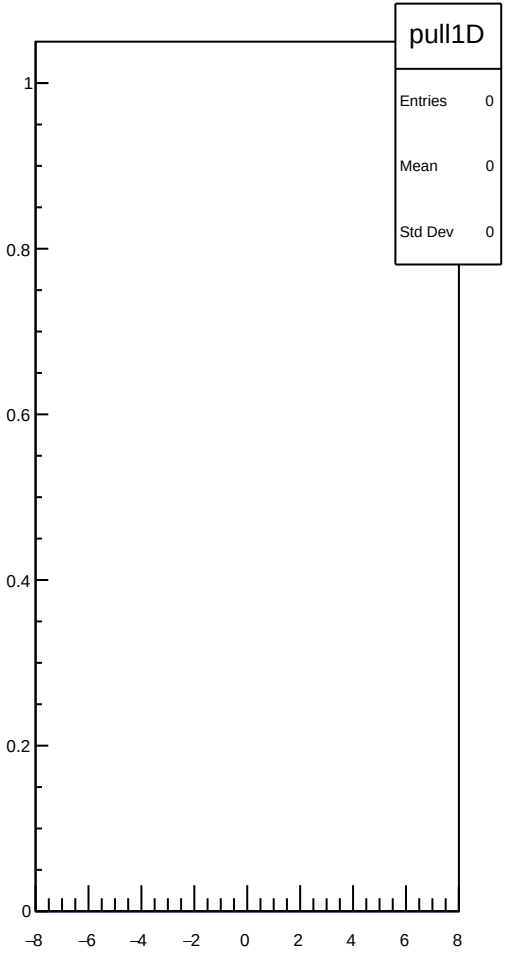

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

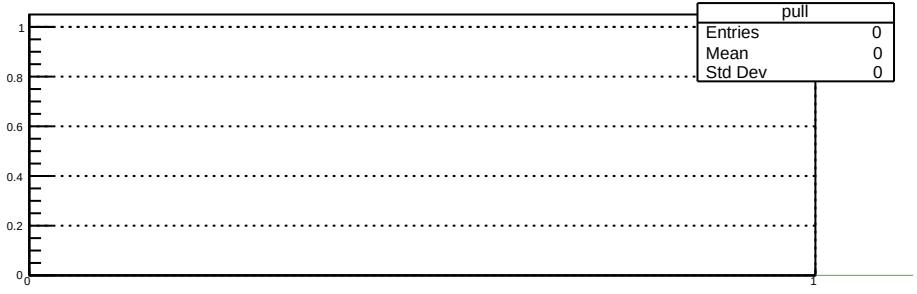

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

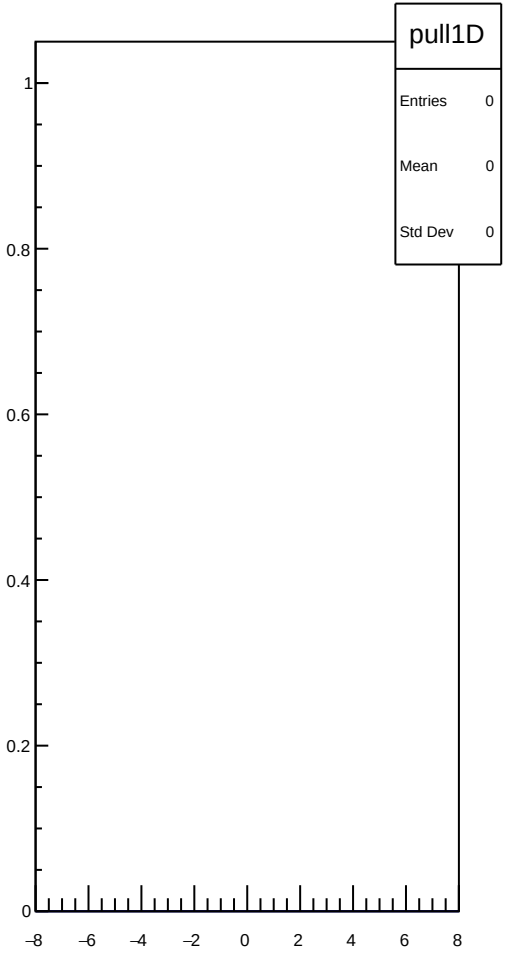

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

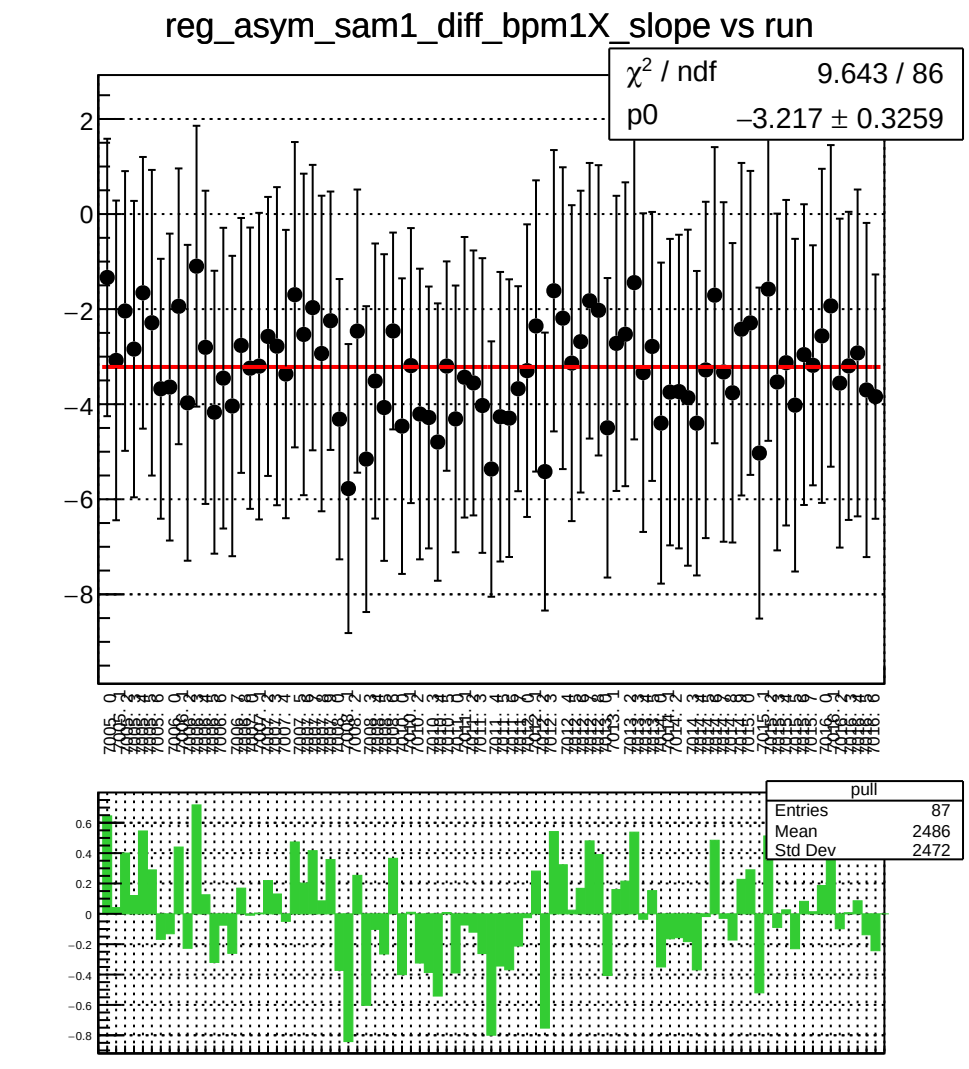

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

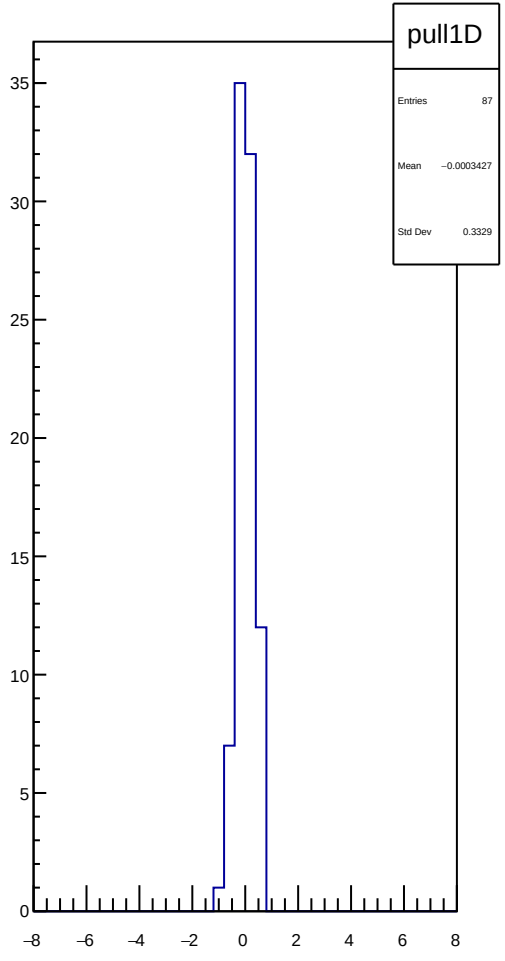

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

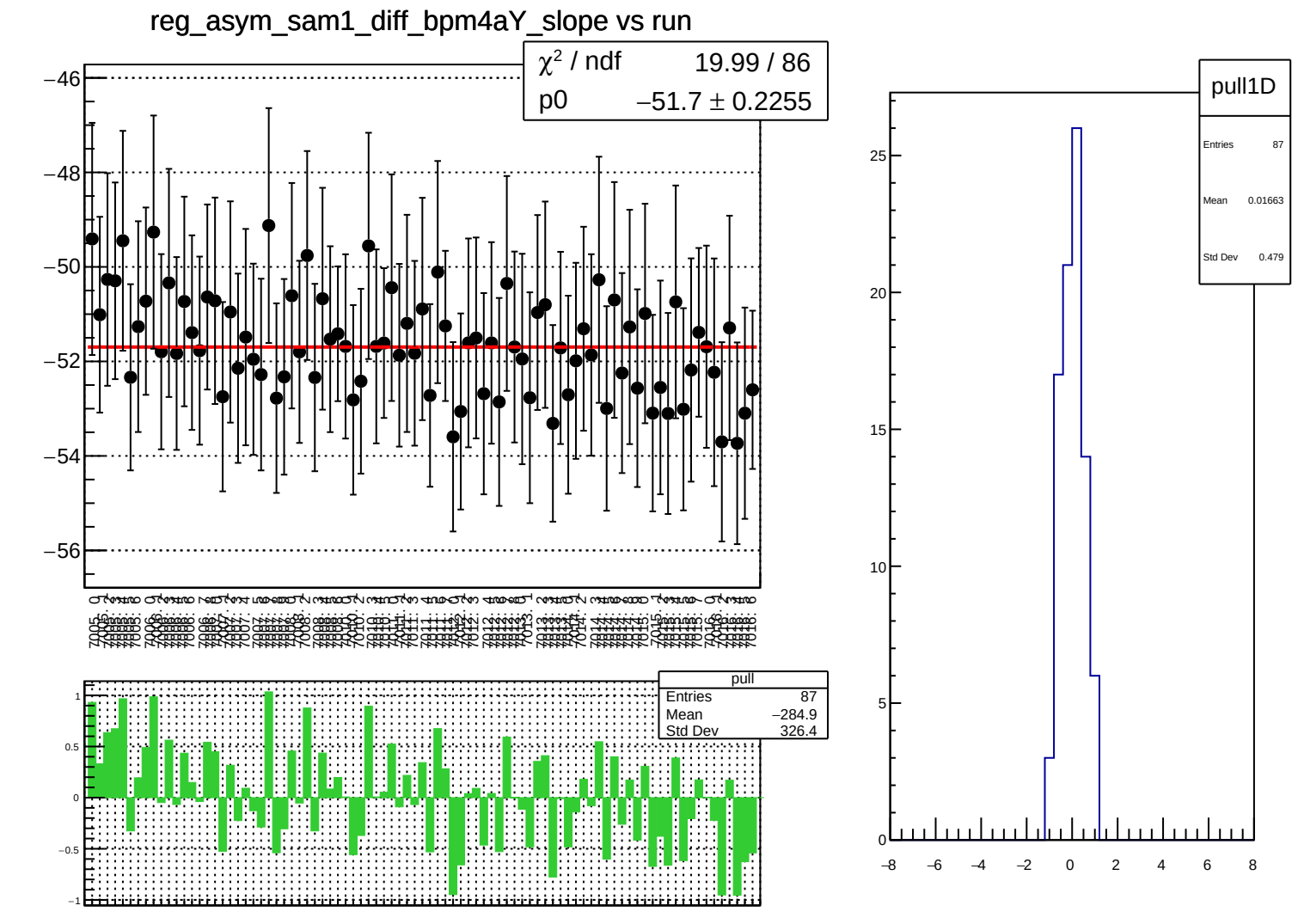

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

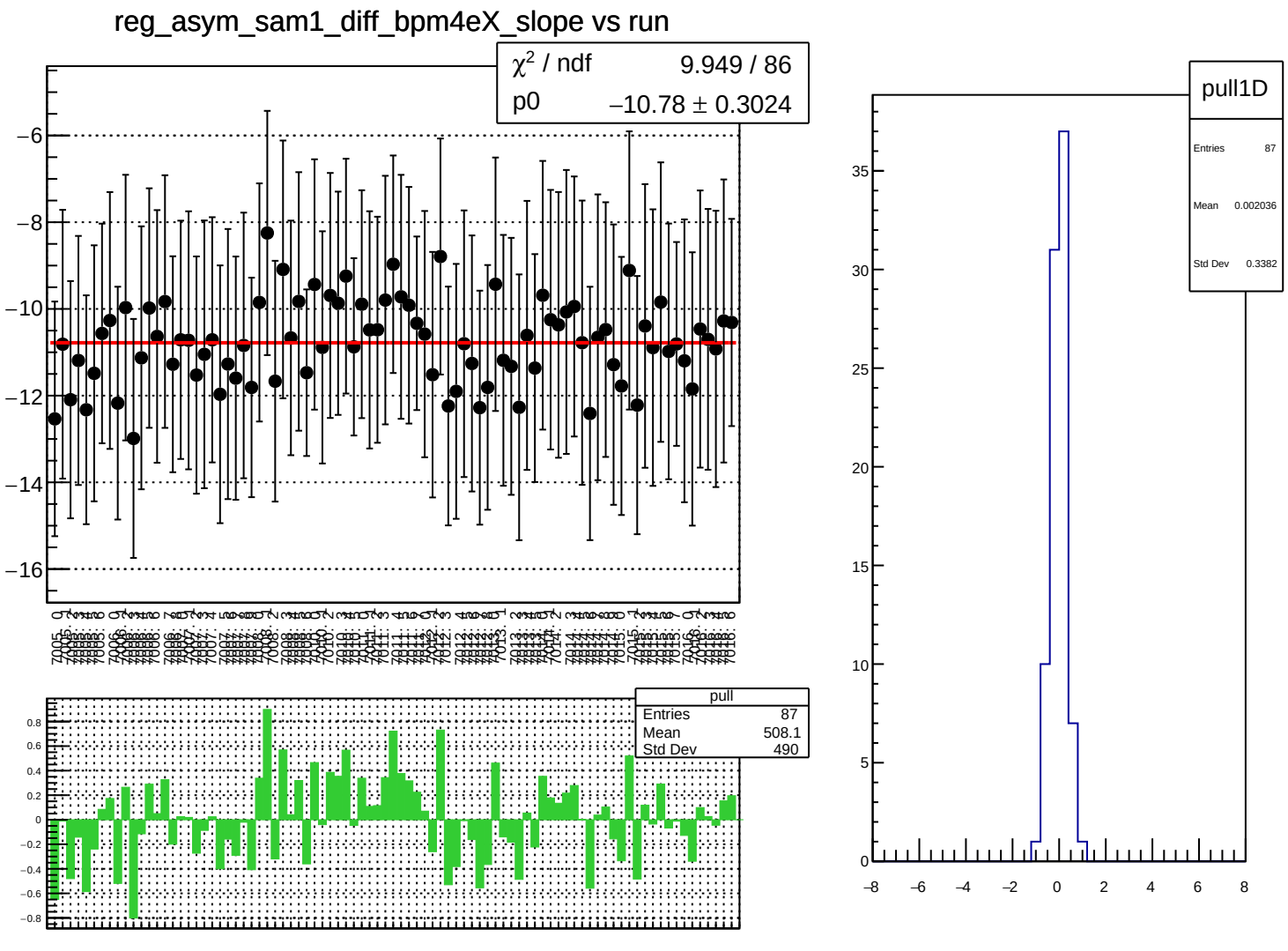

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

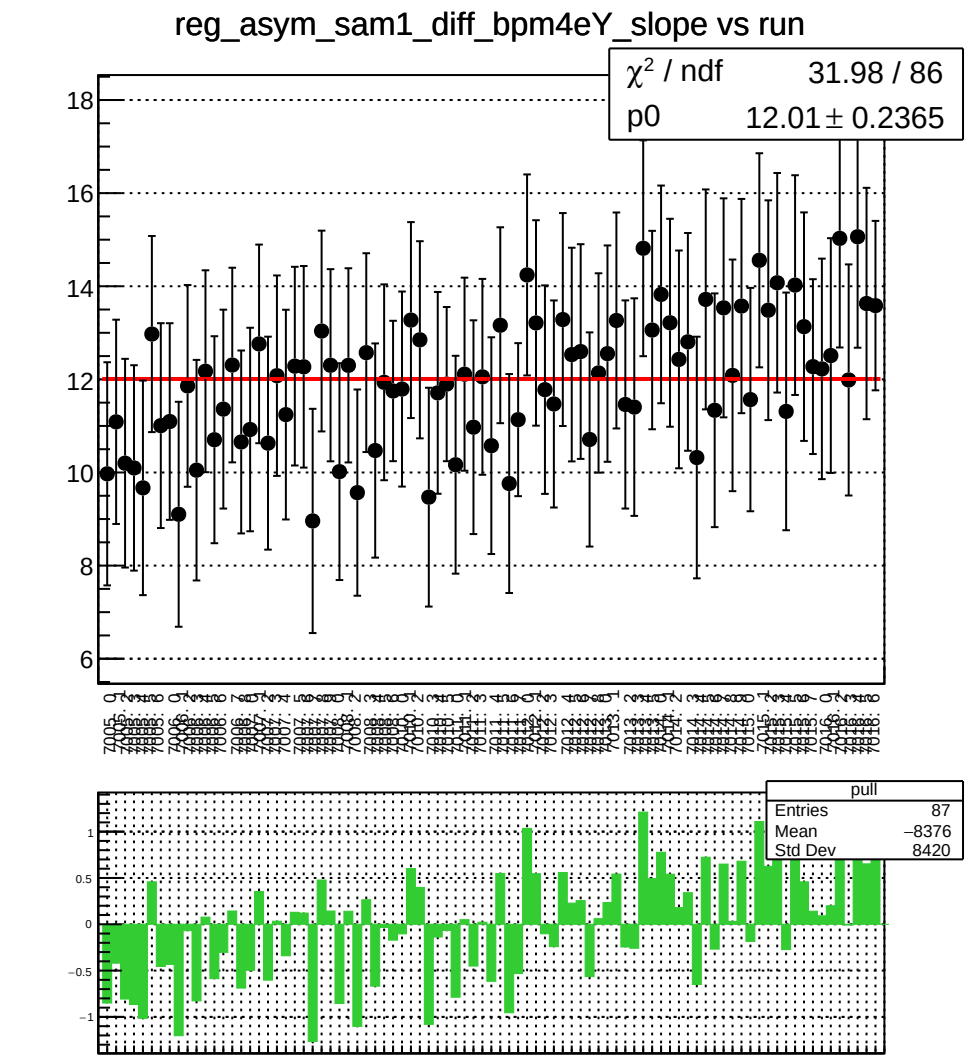

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

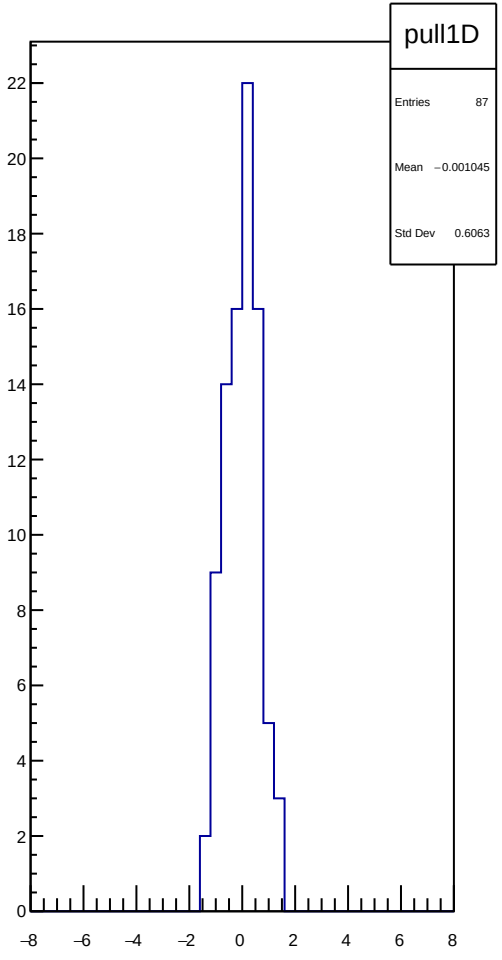

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 9.643 / 86
p0 −3.217 ± 0.3259
pull
Entries 87
Mean 2486
Std Dev 2472

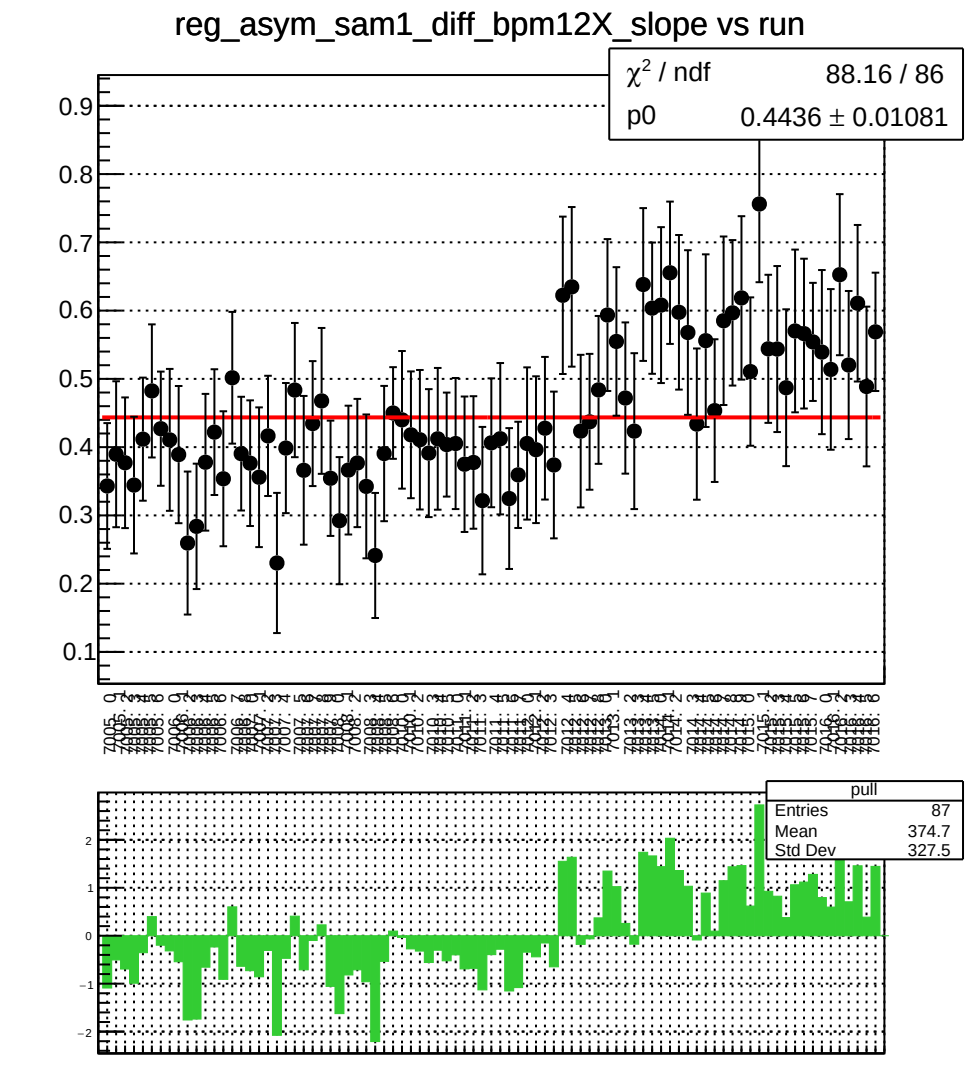

pull1D
Entries 87
Mean −0.0003427
Std Dev 0.3329

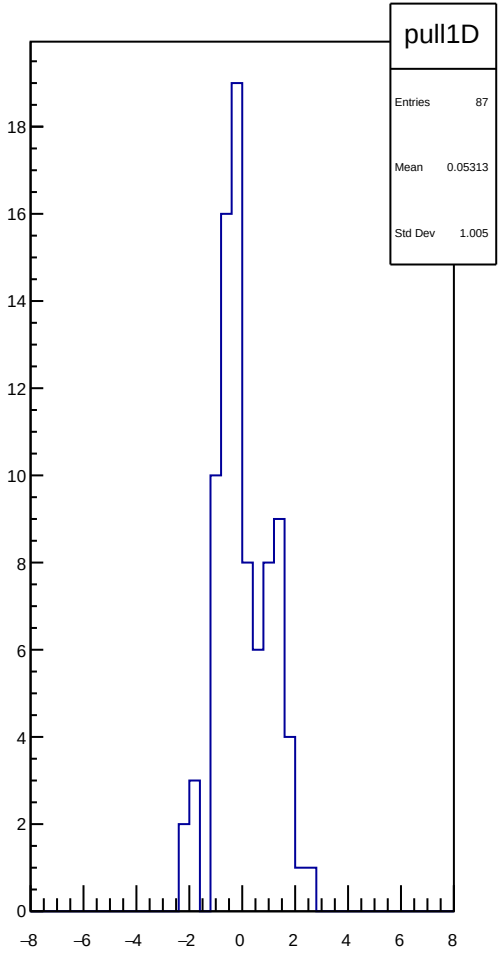

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 19.99 / 86
p0 −51.7 ± 0.2255
−46
−48
−50
−52
−54
−56
pull
Entries 87
Mean −284.9
Std Dev 326.4
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.01663
Std Dev 0.479
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

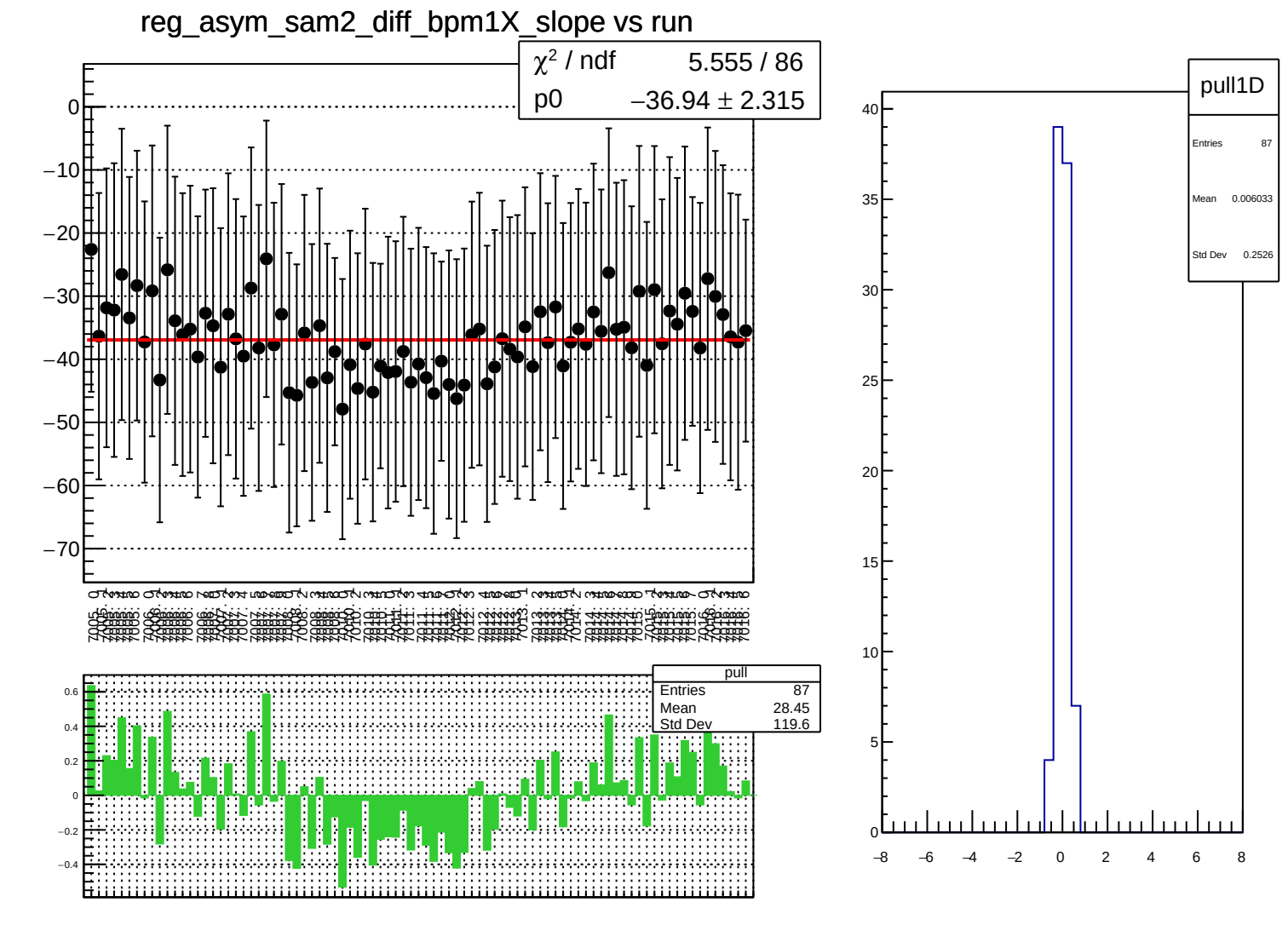

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 9.949 / 86
p0 −10.78 ± 0.3024
pull
Entries 87
Mean 508.1
Std Dev 490
pull1D
Entries 87
Mean 0.002036
Std Dev 0.3382

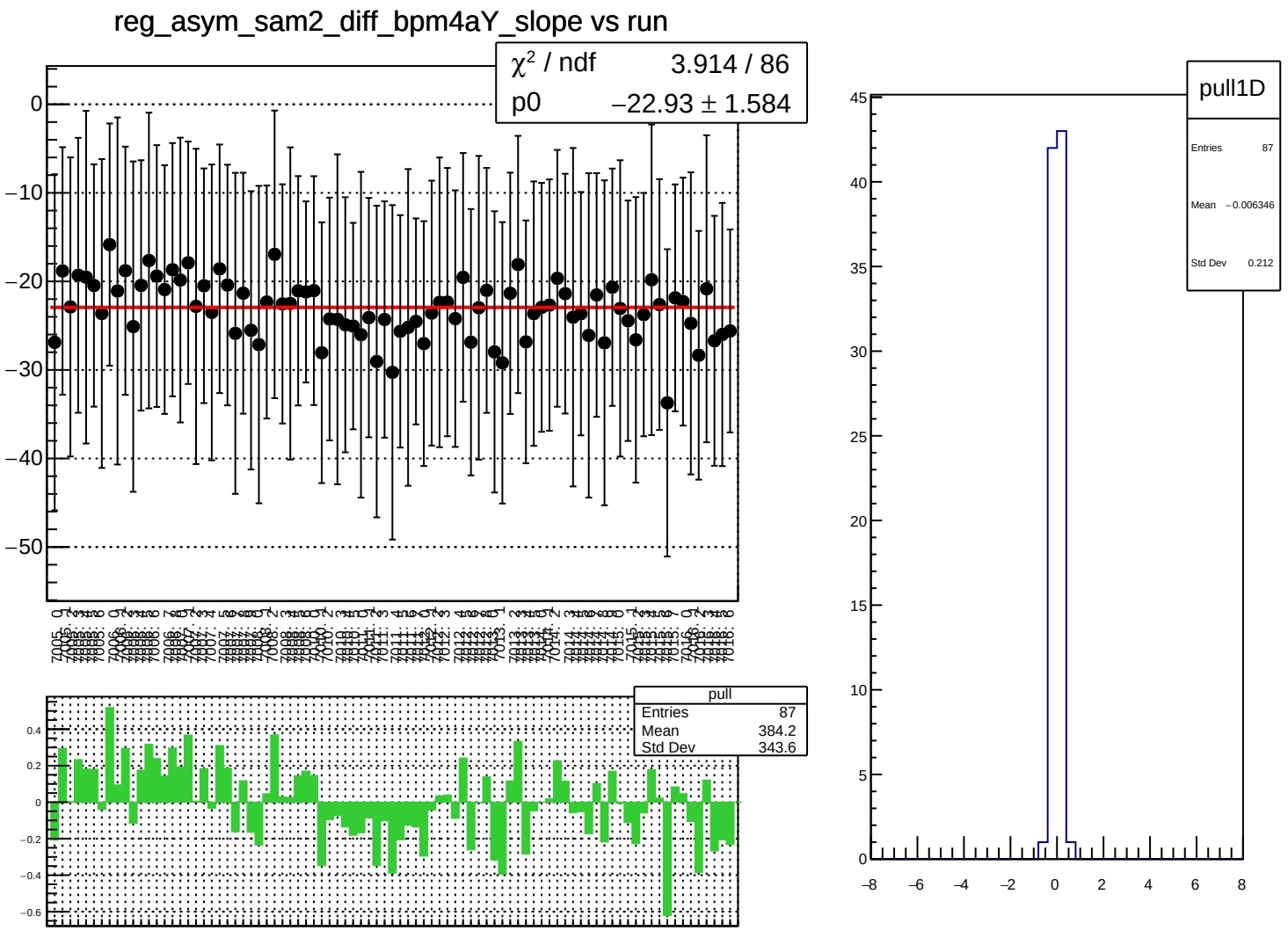

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 31.98 / 86
p0 12.01 ± 0.2365
pull
Entries 87
Mean −8376
Std Dev 8420

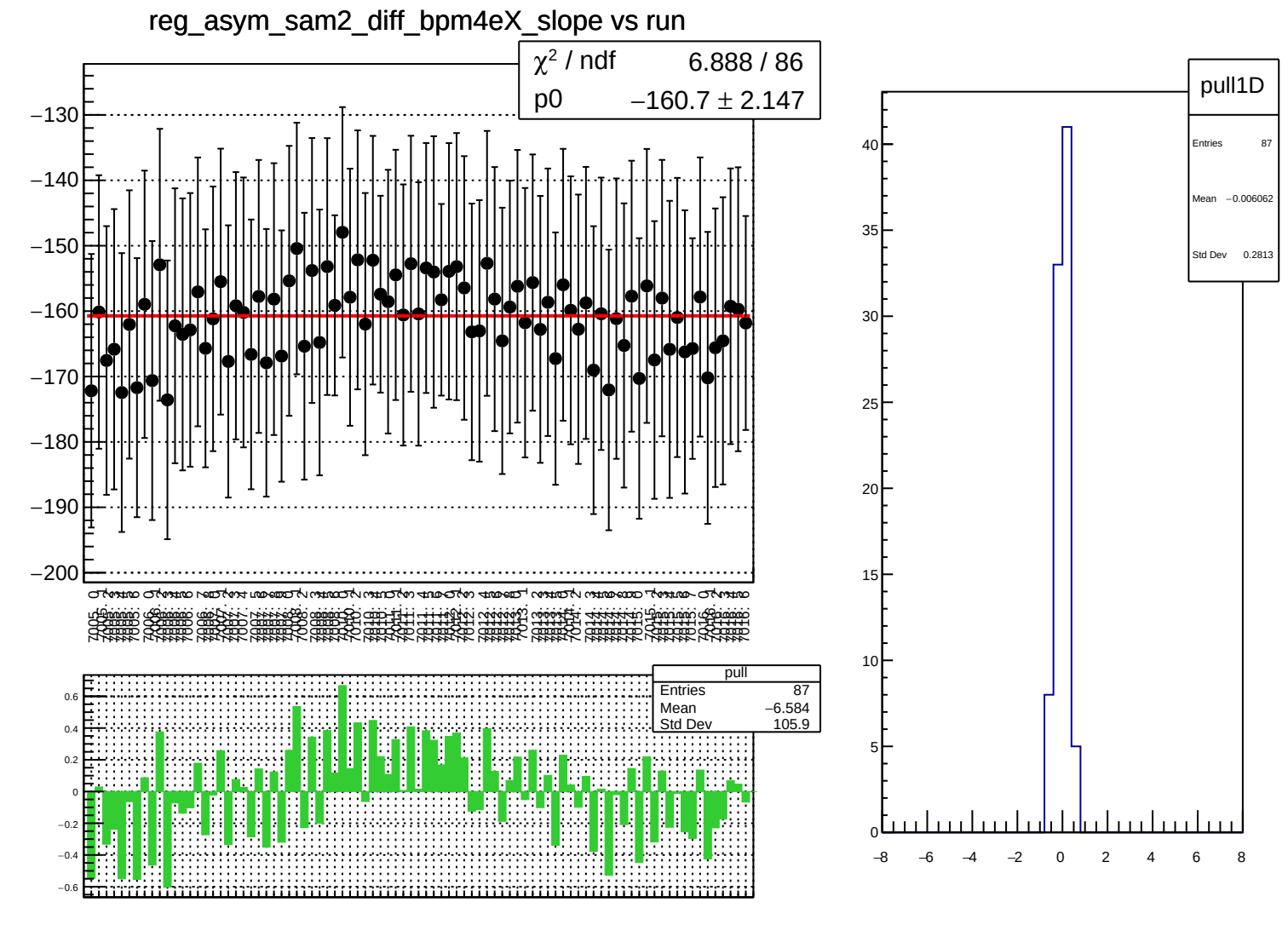

pull1D
Entries 87
Mean −0.001045
Std Dev 0.6063

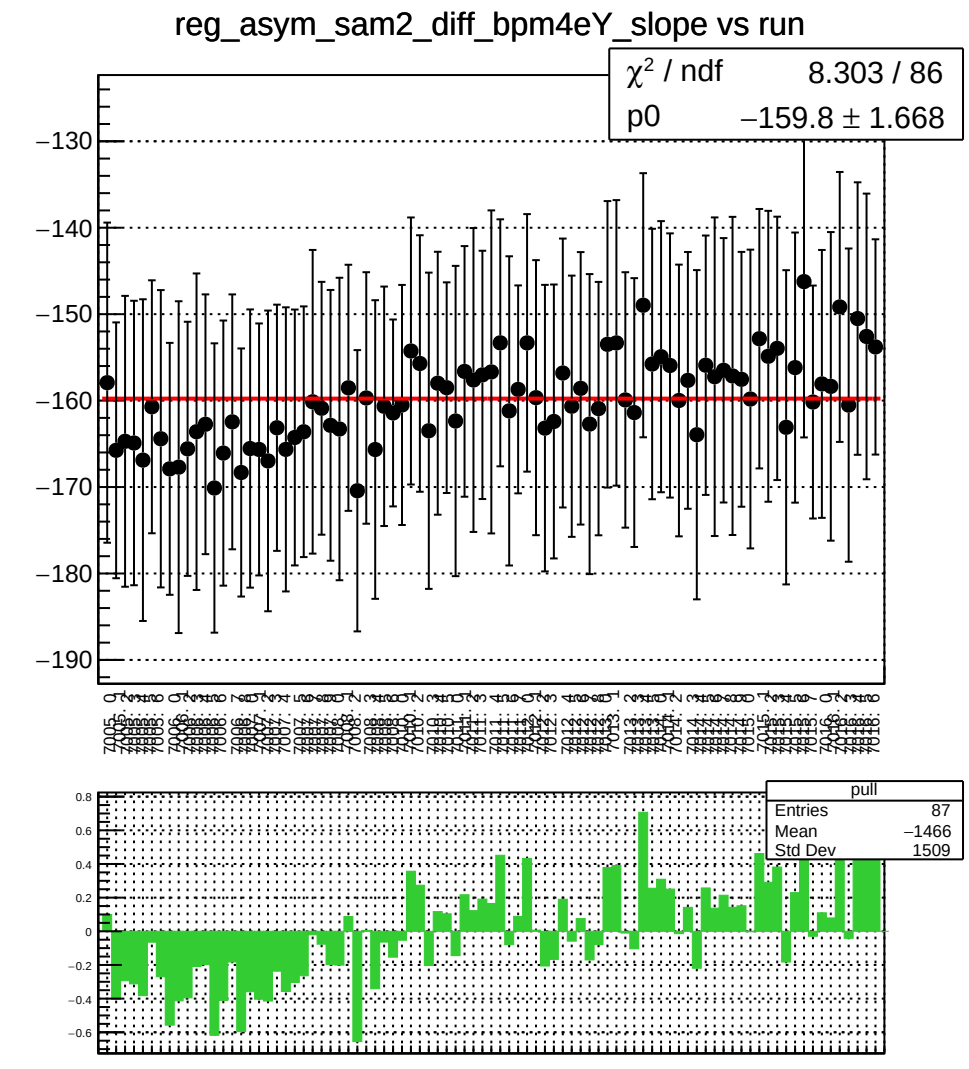

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 88.16 / 86
p0 0.4436 ± 0.01081
pull
Entries 87
Mean 374.7
Std Dev 327.5

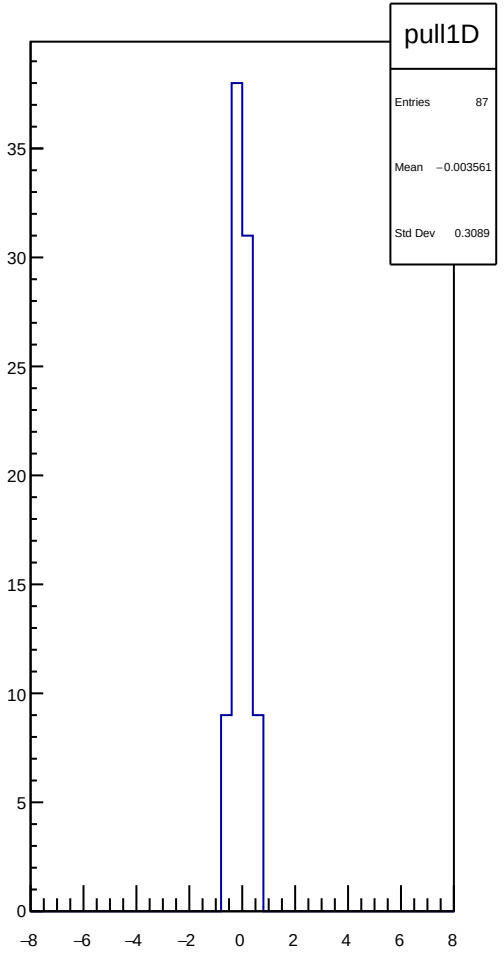

pull1D
Entries 87
Mean 0.05313
Std Dev 1.005

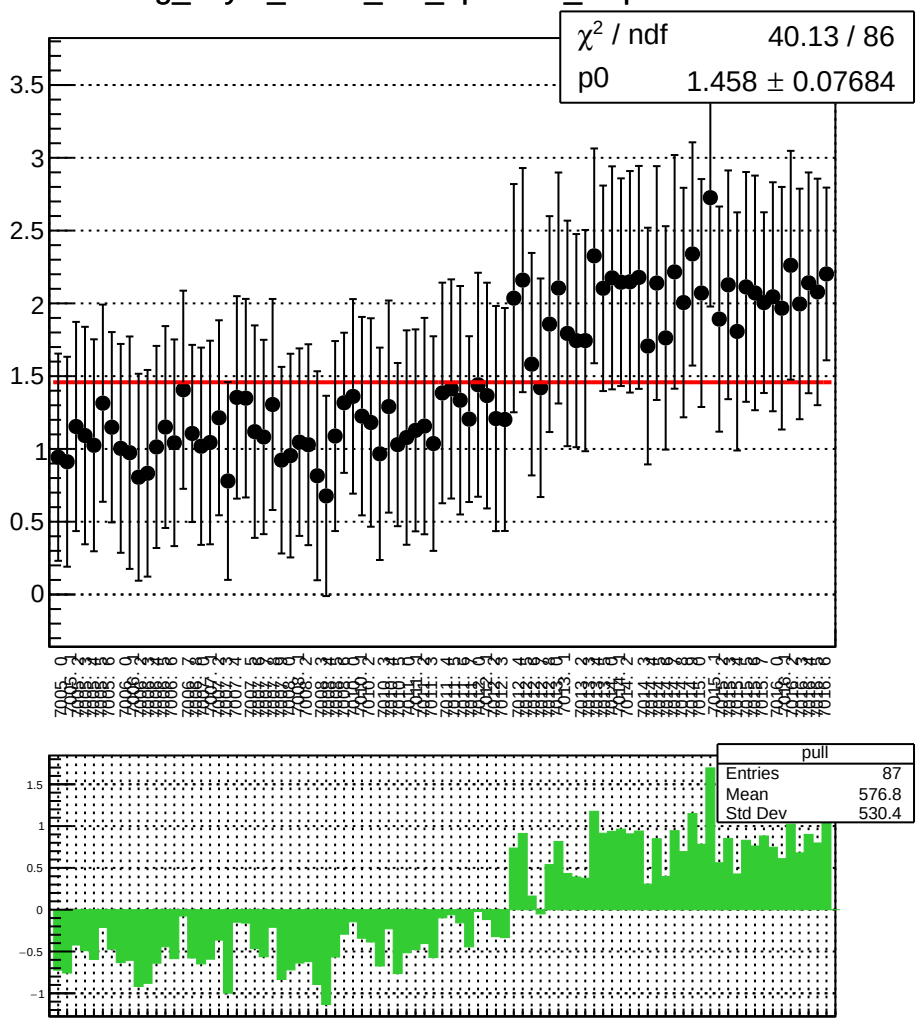

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 5.555 / 86
p0 −36.94 ± 2.315
pull
Entries 87
Mean 28.45
Std Dev 119.6
pull1D
Entries 87
Mean 0.006033
Std Dev 0.2526

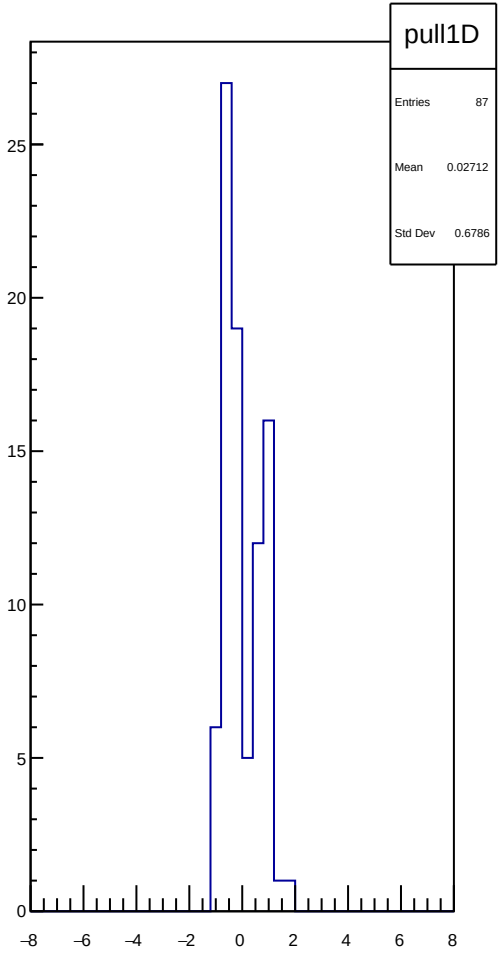

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 3.914 / 86
p0 −22.93 ± 1.584
pull
Entries 87
Mean 384.2
Std Dev 343.6
pull1D
Entries 87
Mean −0.006346
Std Dev 0.212

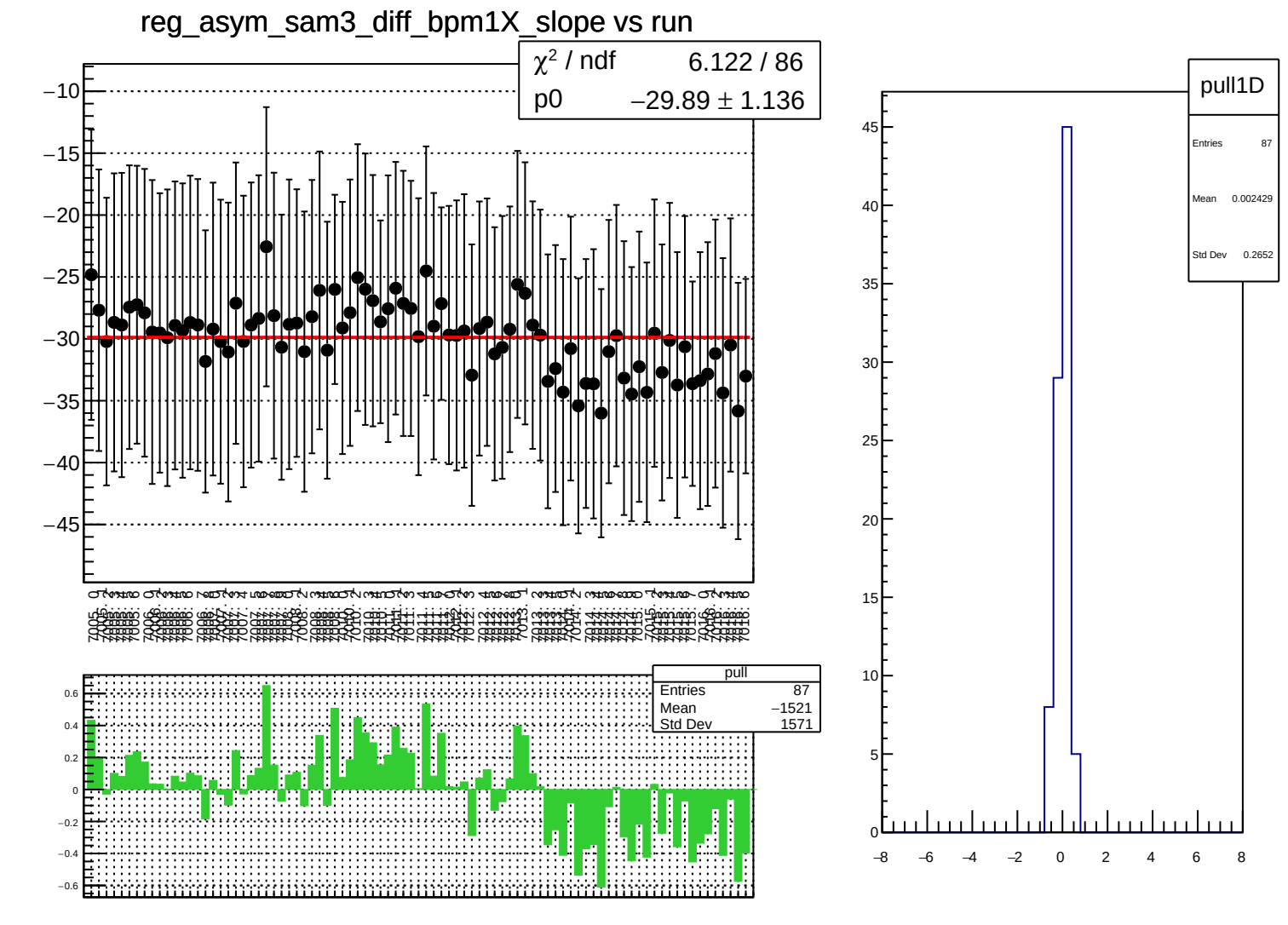

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.888 / 86
p0 −160.7 ± 2.147
−130
−140
−150
−160
−170
−180
−190
−200
pull
Entries 87
Mean −6.584
Std Dev 105.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.006062
Std Dev 0.2813
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

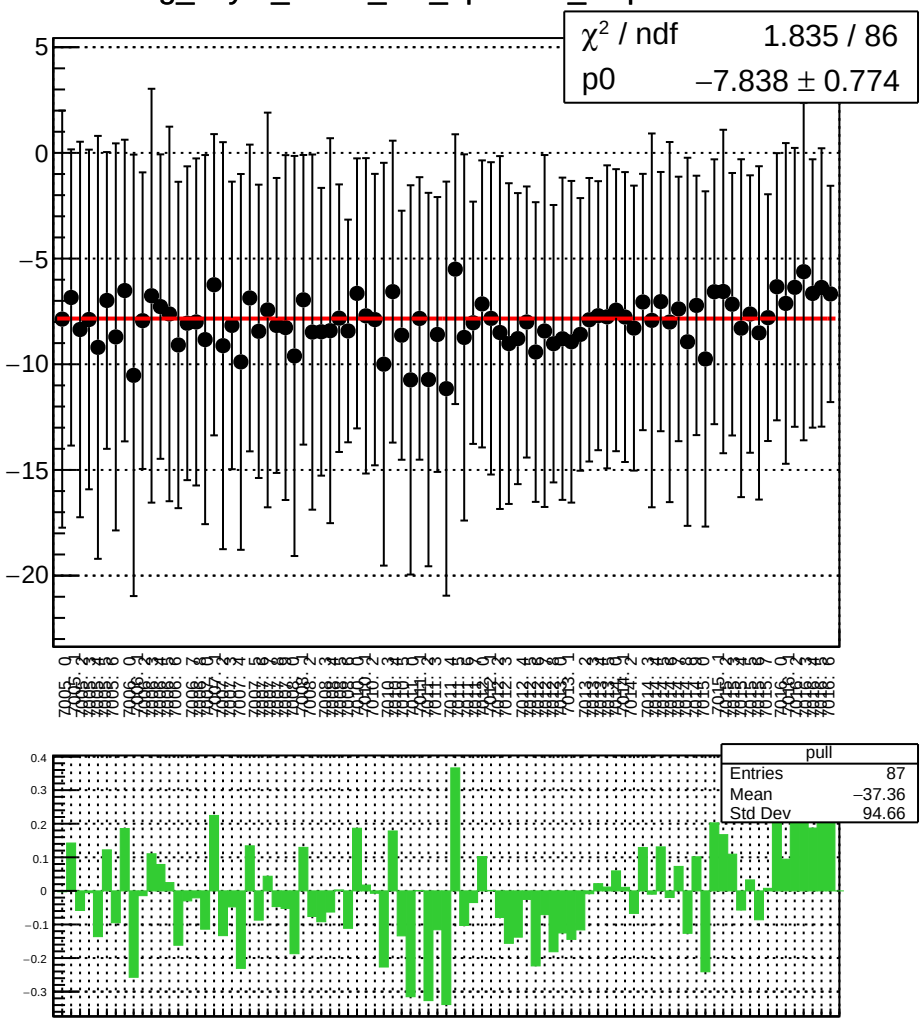

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.303 / 86
p0 −159.8 ± 1.668
−130
−140
−150
−160
−170
−180
−190
pull
Entries 87
Mean −1466
Std Dev 1509
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

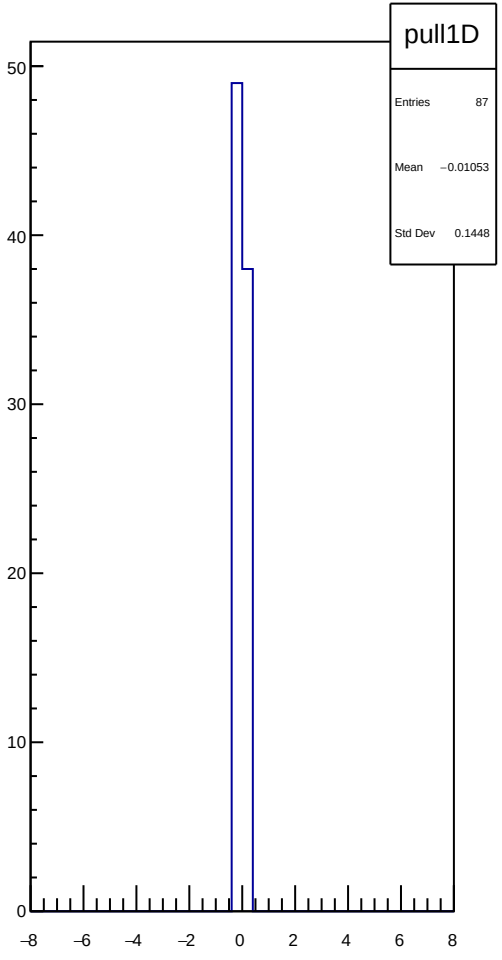

pull1D
Entries 87
Mean −0.003561
Std Dev 0.3089
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

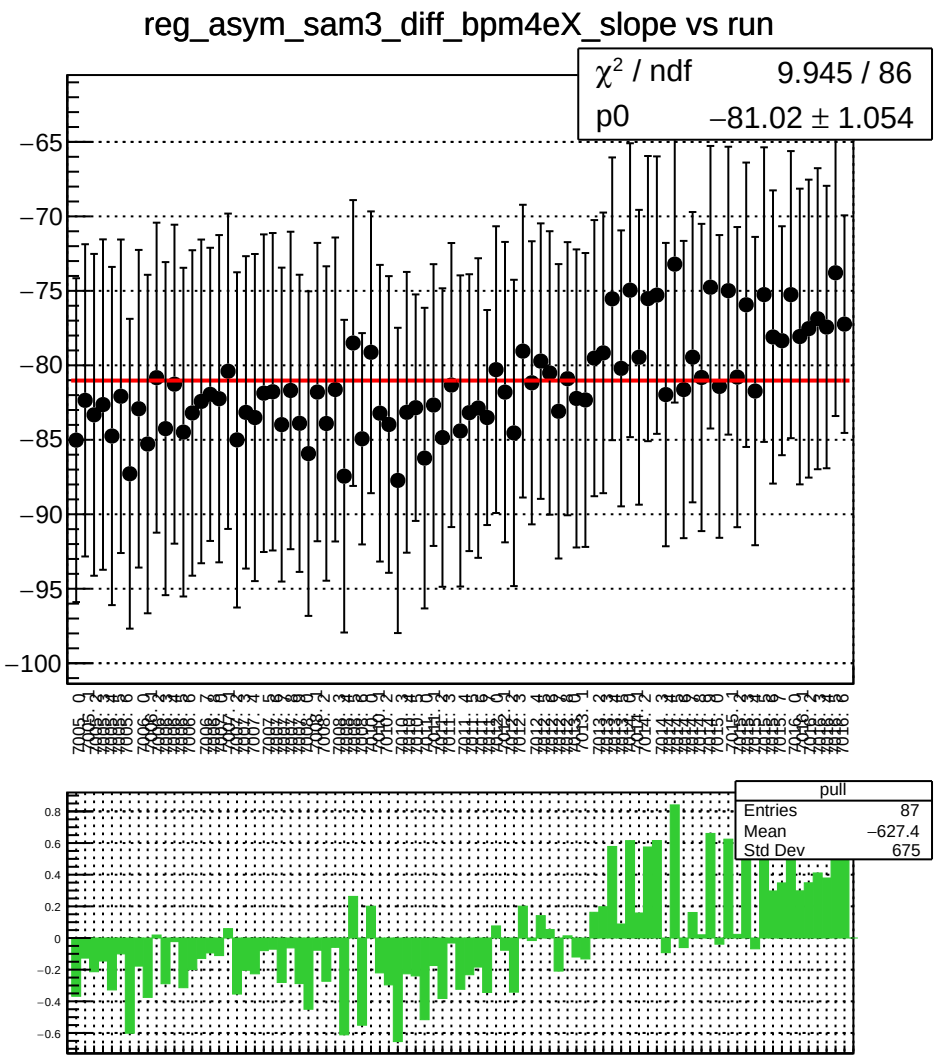

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 40.13 / 86
p0 1.458 ± 0.07684
pull
Entries 87
Mean 576.8
Std Dev 530.4

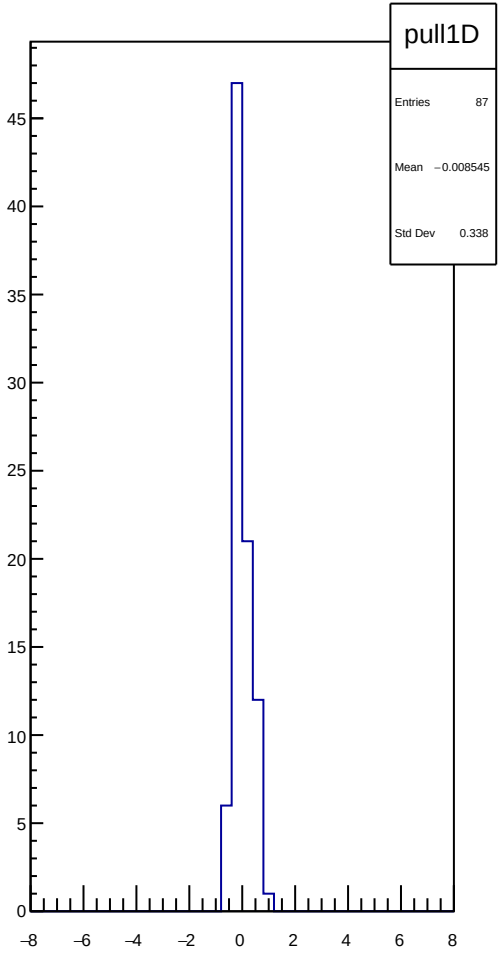

pull1D
Entries 87
Mean 0.02712
Std Dev 0.6786

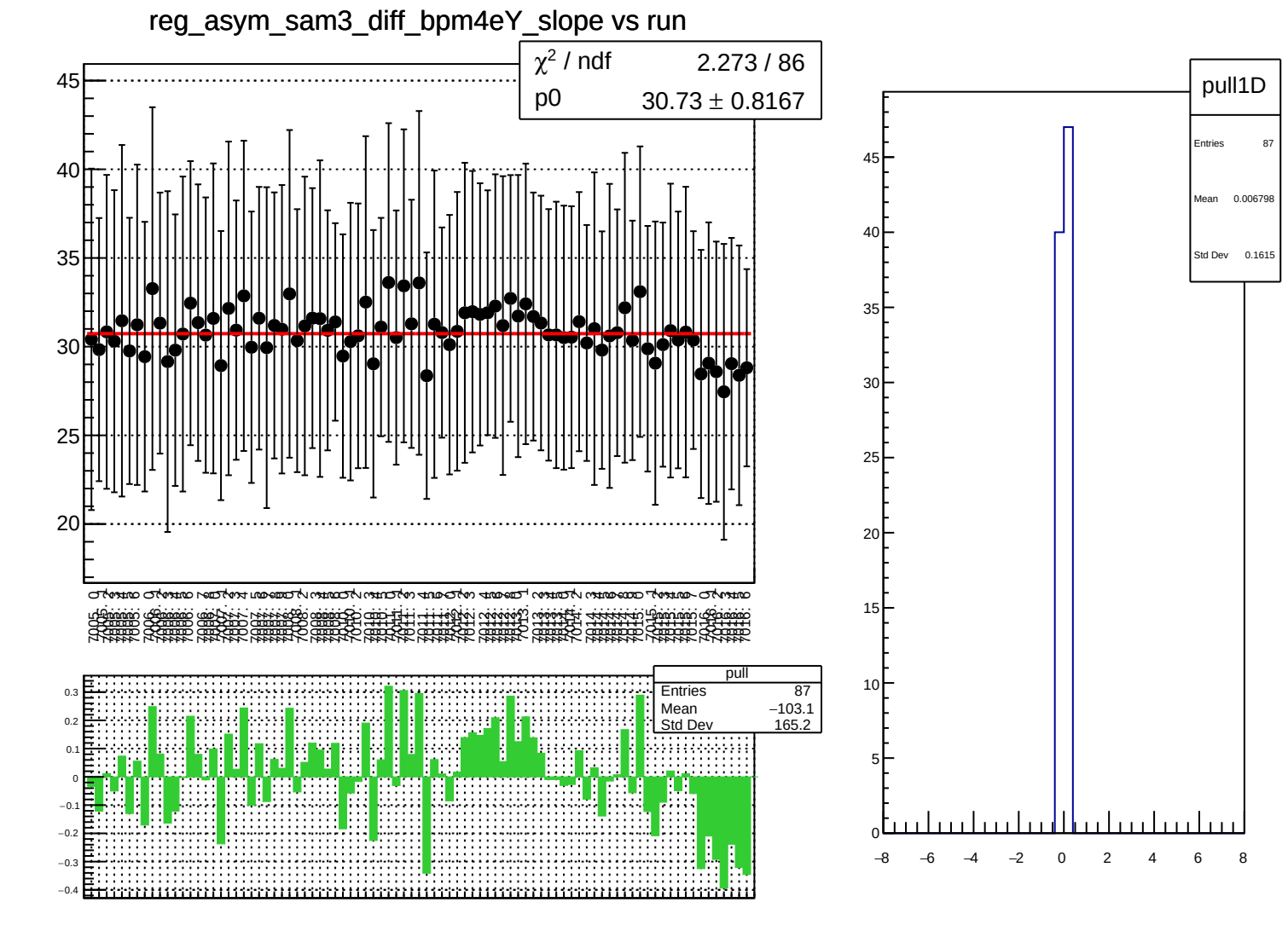

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 6.122 / 86
p0 −29.89 ± 1.136
pull
Entries 87
Mean −1521
Std Dev 1571
pull1D
Entries 87
Mean 0.002429
Std Dev 0.2652

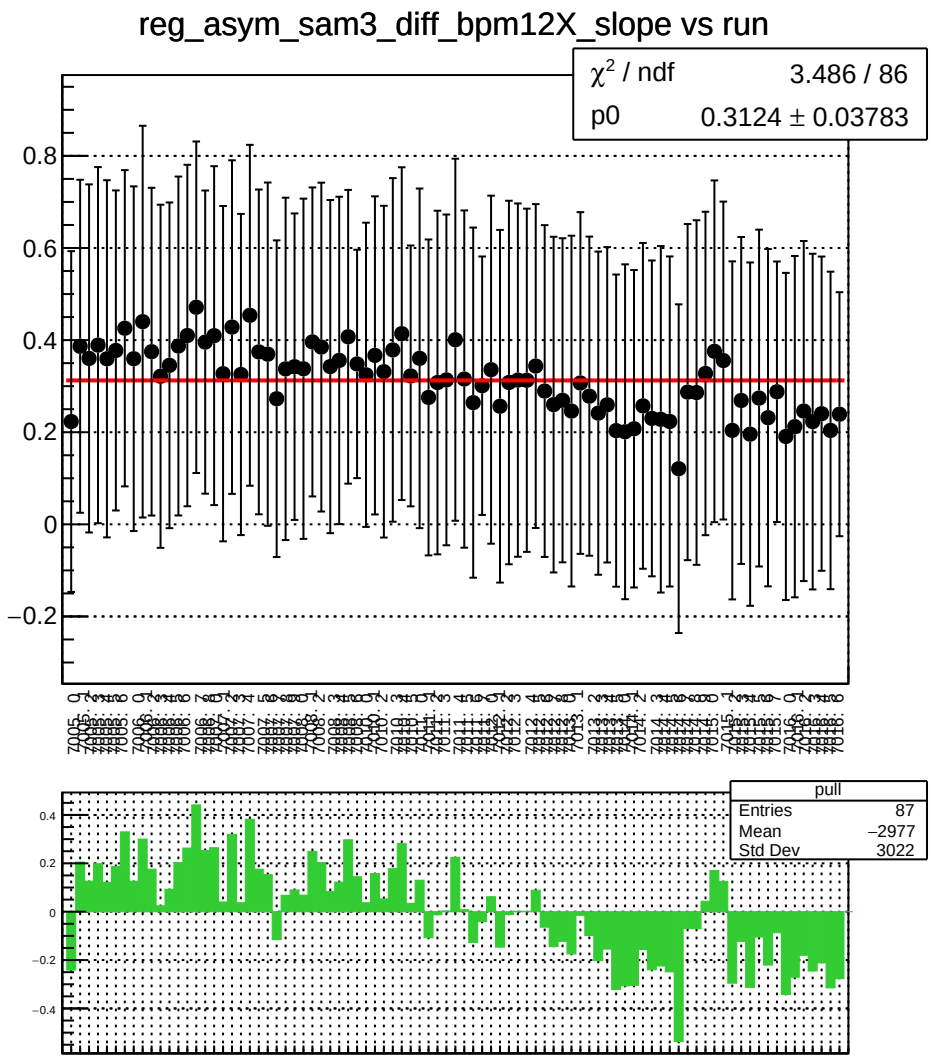

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.835 / 86
p0 −7.838 ± 0.774
pull
Entries 87
Mean −37.36
Std Dev 94.66

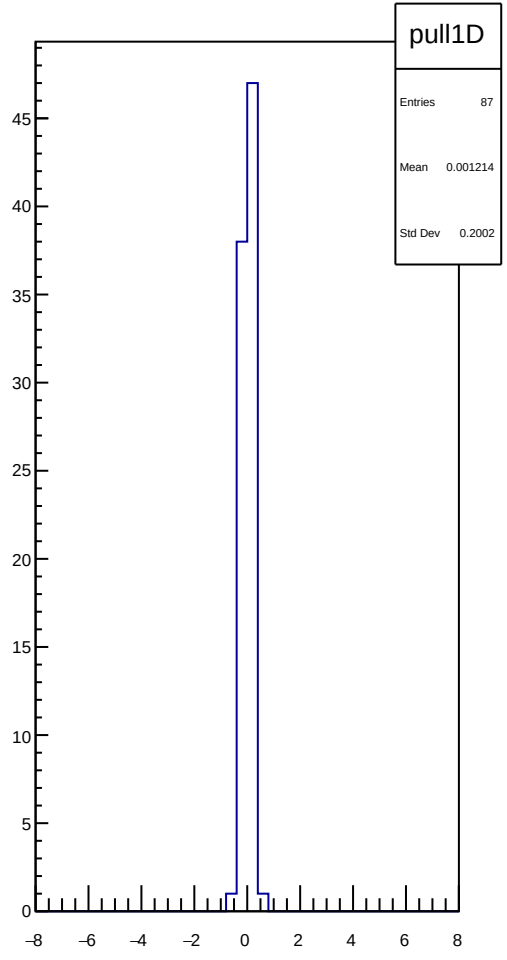

pull1D
Entries 87
Mean −0.01053
Std Dev 0.1448

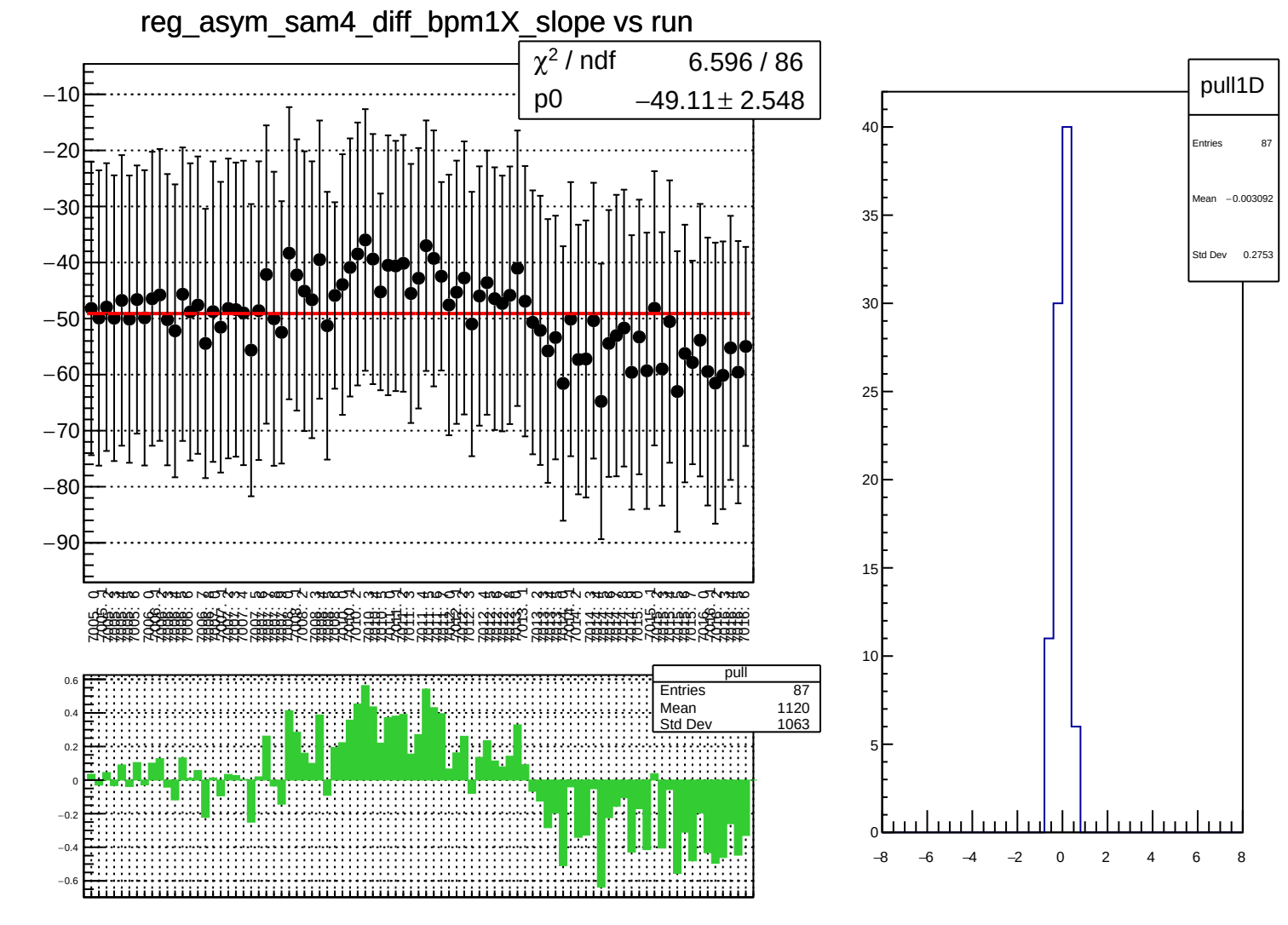

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 9.945 / 86
p0 −81.02 ± 1.054
pull
Entries 87
Mean −627.4
Std Dev 675

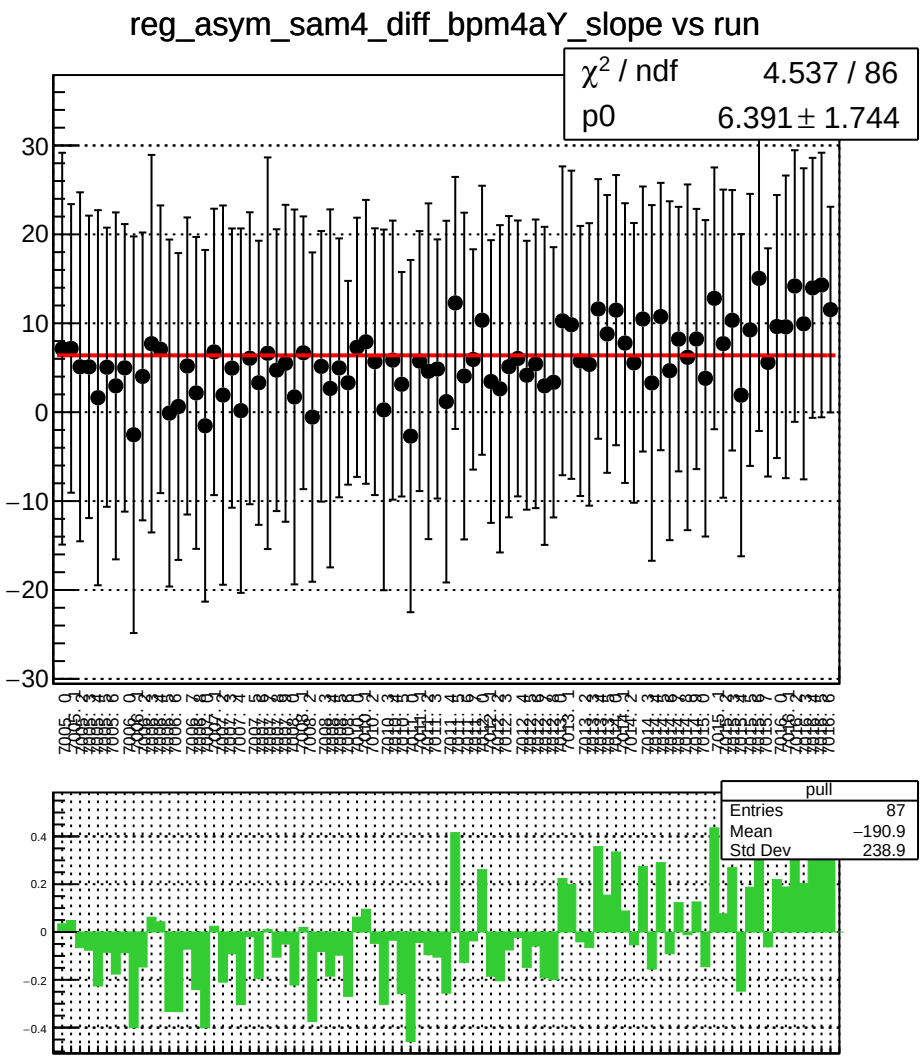

pull1D
Entries 87
Mean −0.008545
Std Dev 0.338

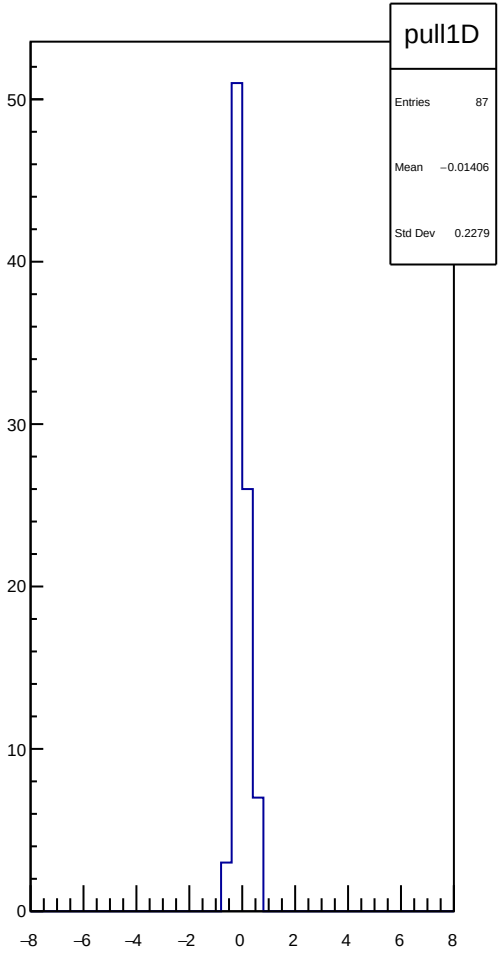

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.273 / 86
p0 30.73 ± 0.8167
pull
Entries 87
Mean −103.1
Std Dev 165.2
pull1D
Entries 87
Mean 0.006798
Std Dev 0.1615

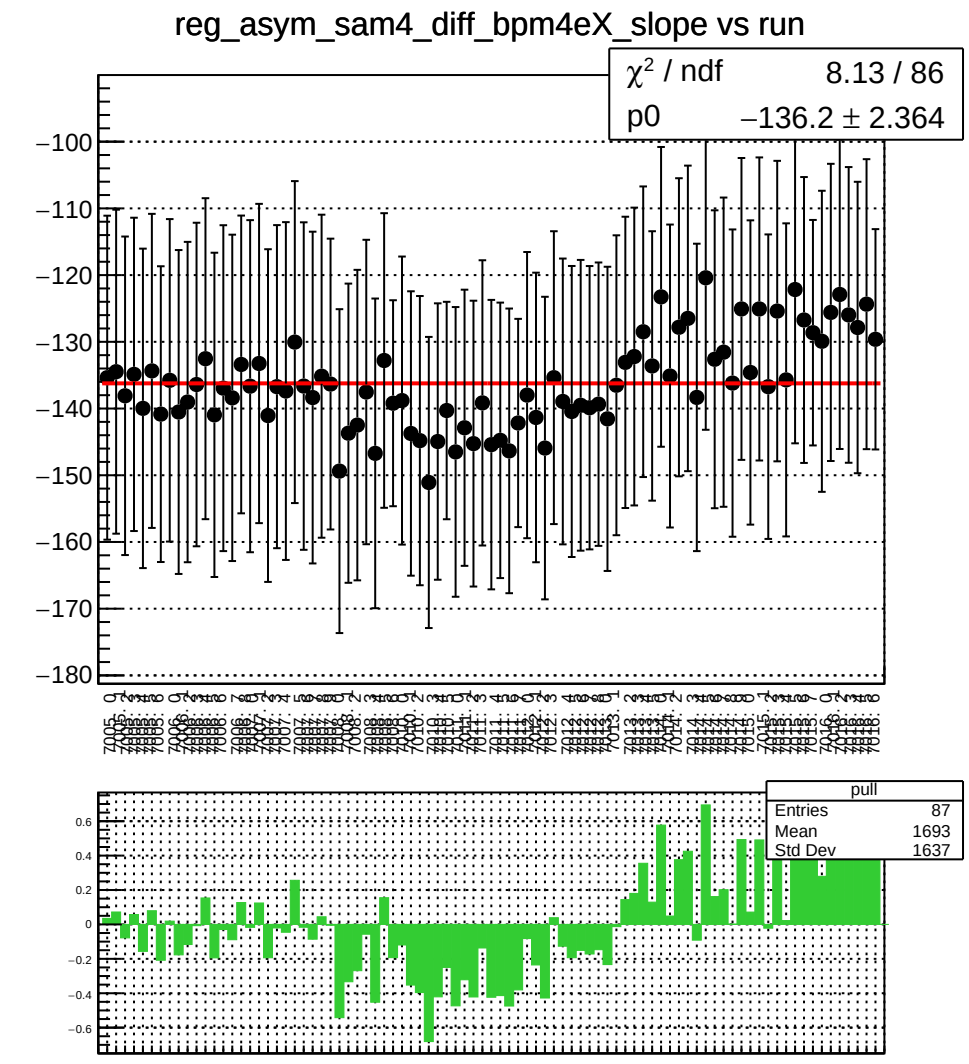

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 3.486 / 86
p0 0.3124 ± 0.03783
pull
Entries 87
Mean −2977
Std Dev 3022

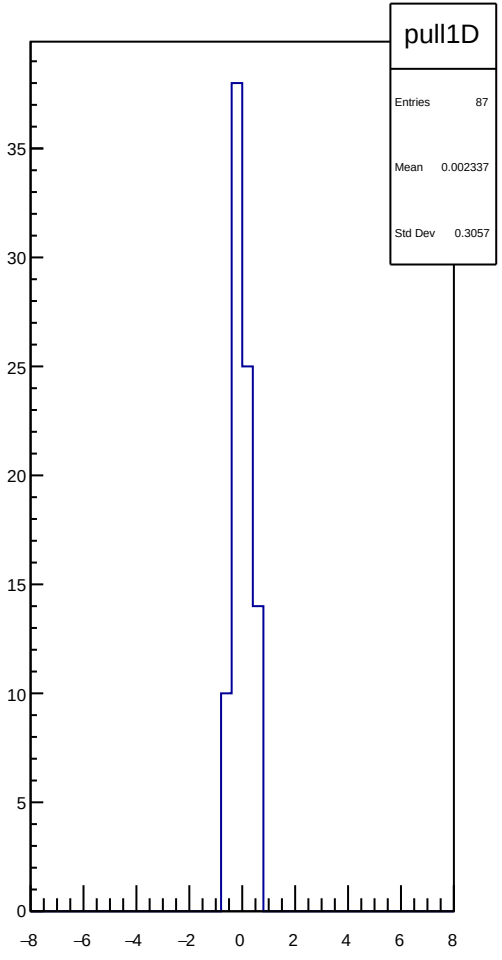

pull1D
Entries 87
Mean 0.001214
Std Dev 0.2002

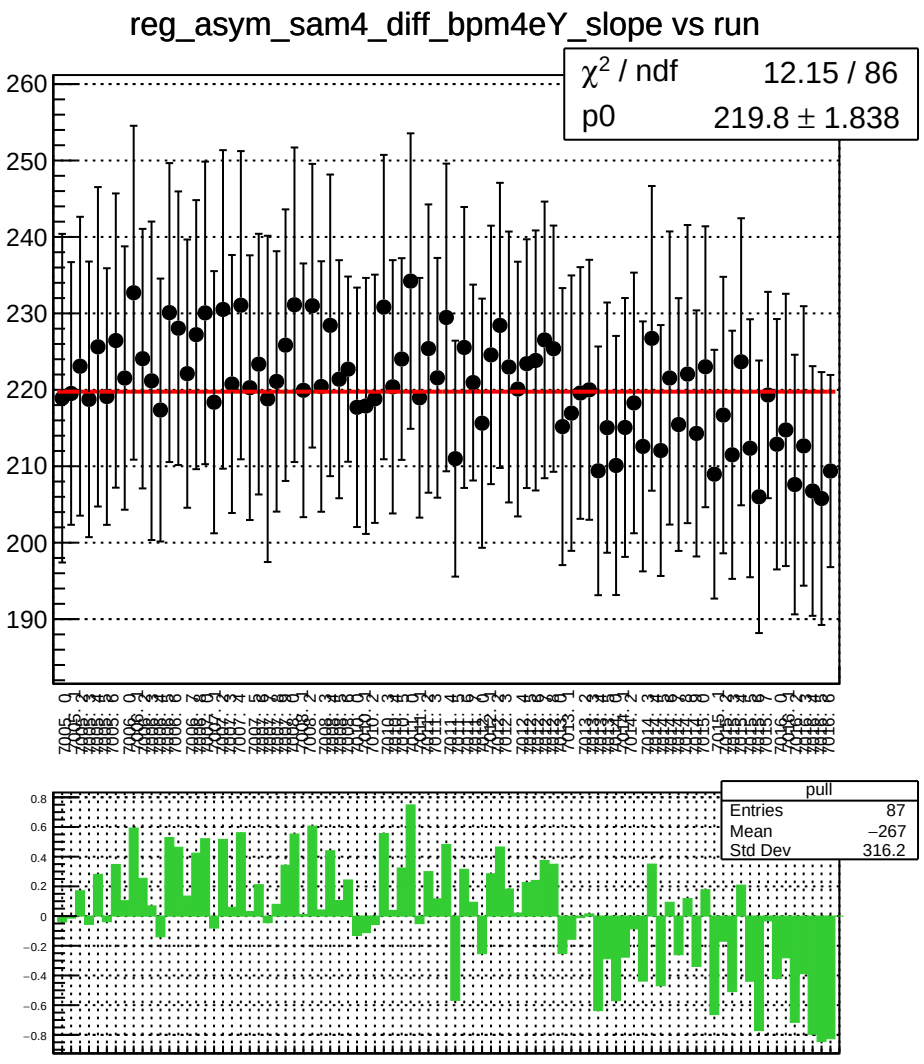

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 6.596 / 86
p0 −49.11 ± 2.548
pull
Entries 87
Mean 1120
Std Dev 1063
pull1D
Entries 87
Mean −0.003092
Std Dev 0.2753

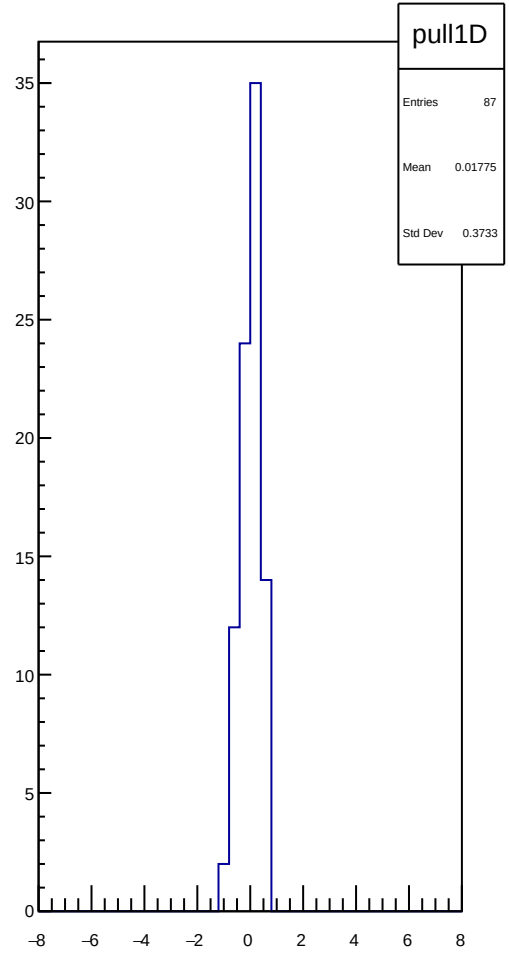

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.537 / 86
p0 6.391 ± 1.744
pull
Entries 87
Mean −190.9
Std Dev 238.9

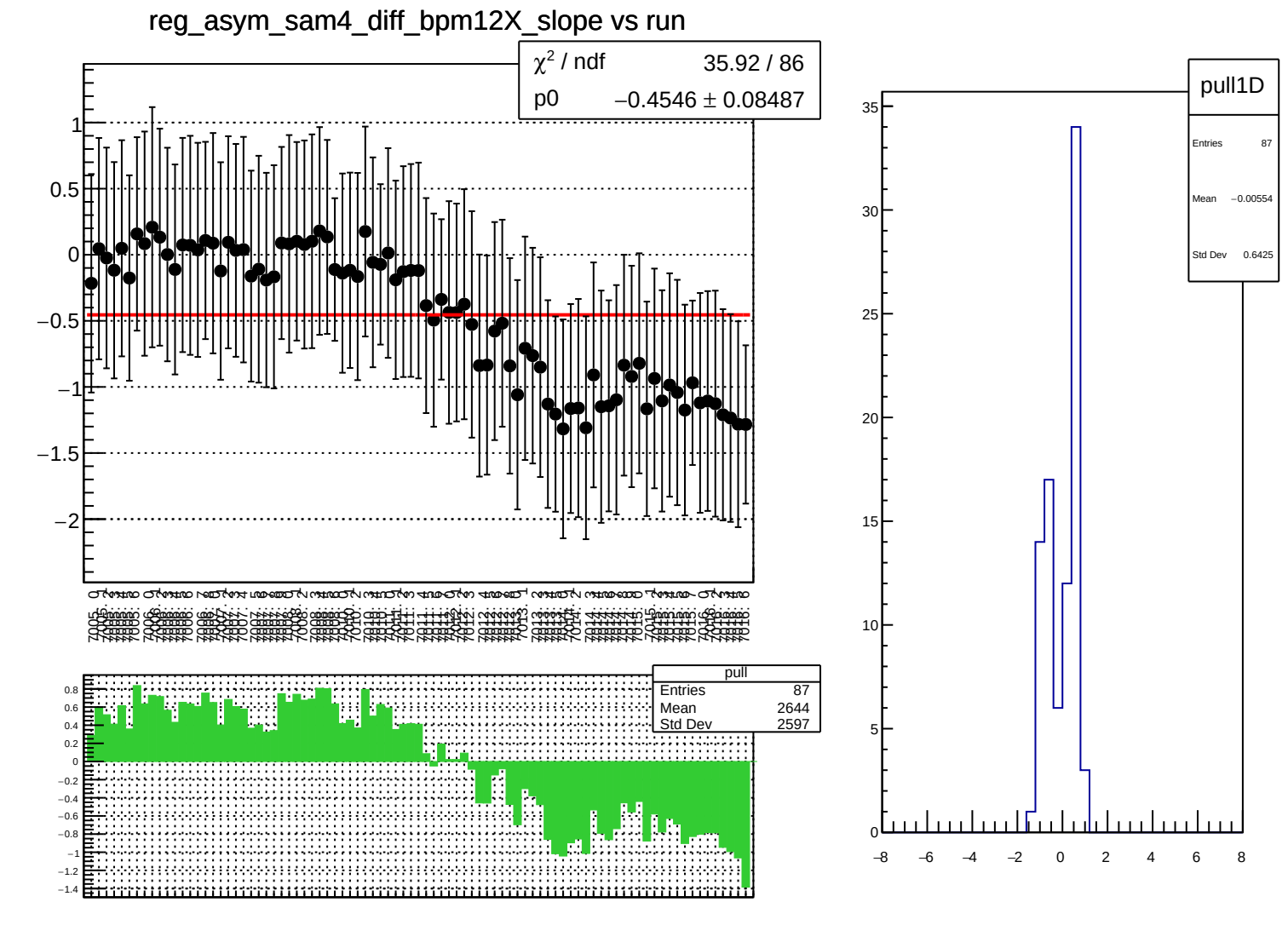

pull1D
Entries 87
Mean −0.01406
Std Dev 0.2279

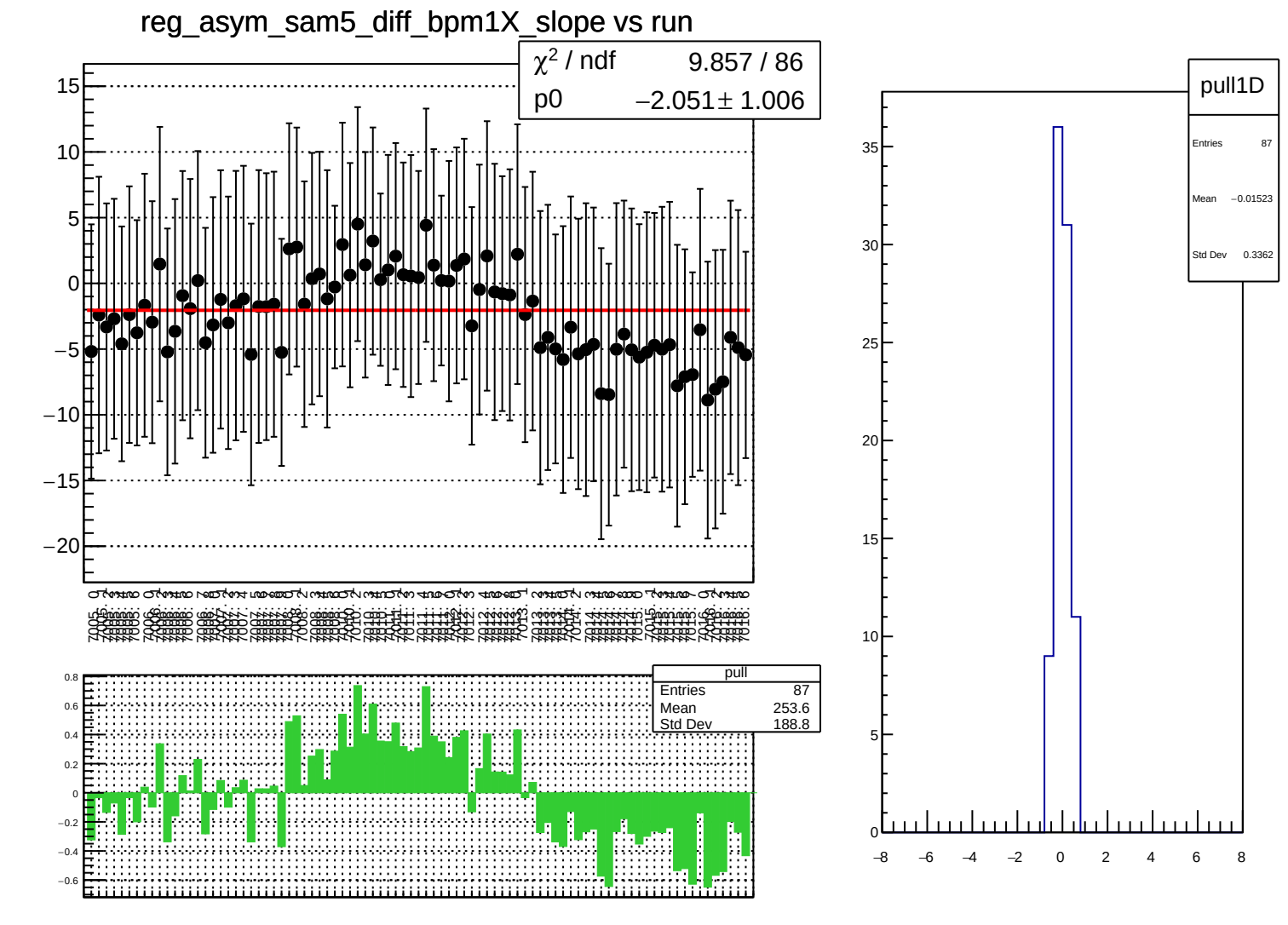

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 8.13 / 86
p0 −136.2 ± 2.364
pull
Entries 87
Mean 1693
Std Dev 1637

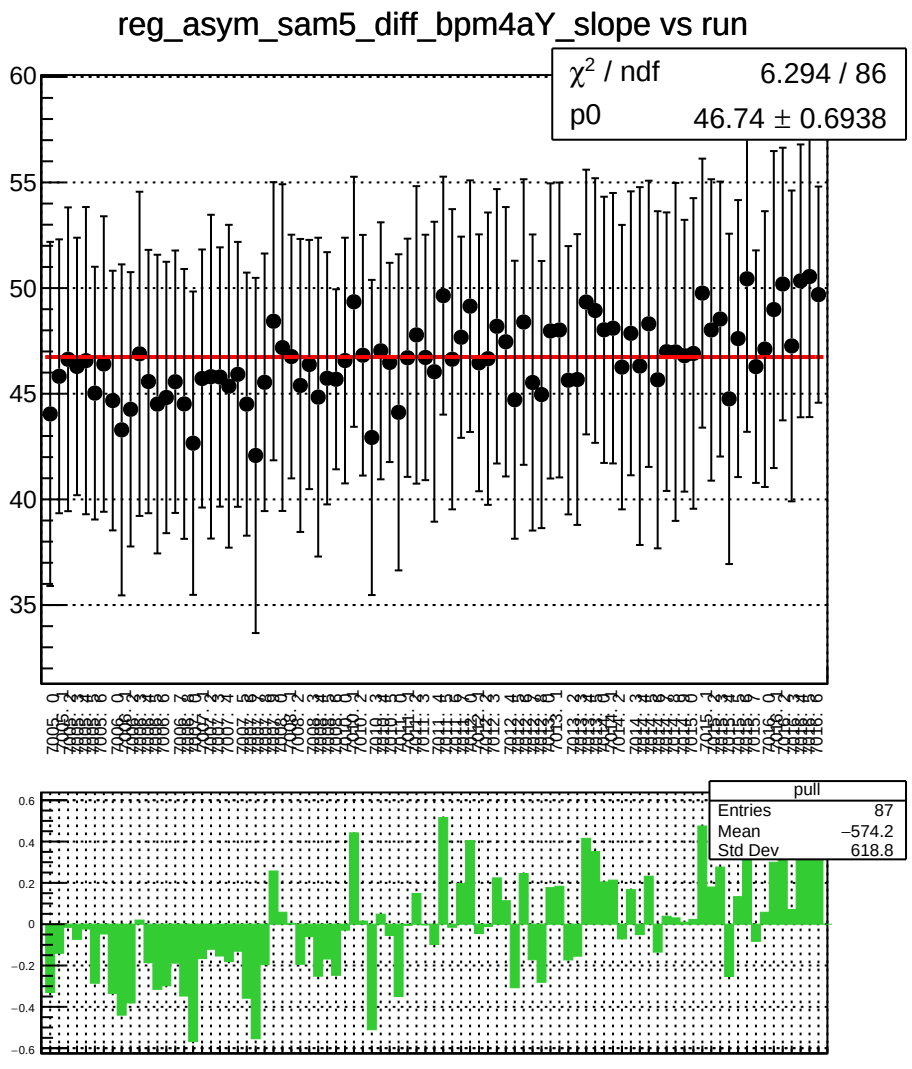

pull1D
Entries 87
Mean 0.002337
Std Dev 0.3057

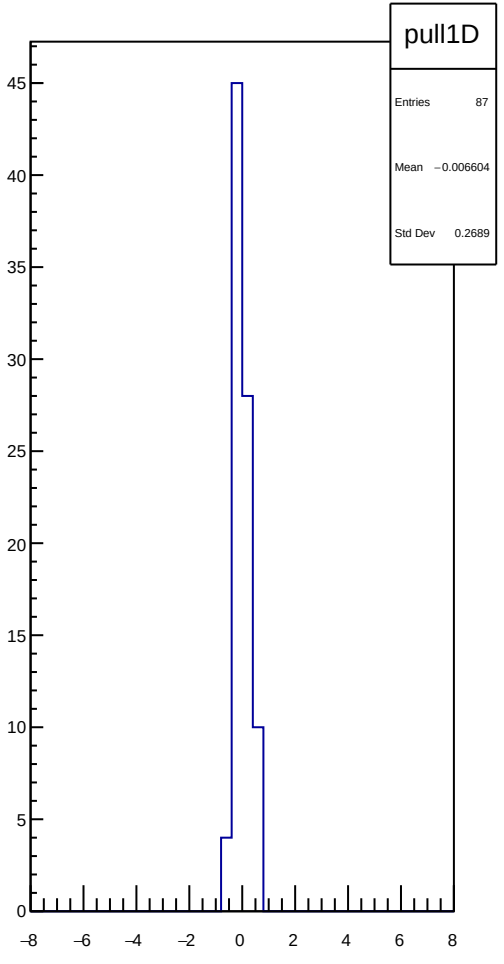

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 12.15 / 86
p0 219.8 ± 1.838
260
250
240
230
220
210
200
190
pull
Entries 87
Mean −267
Std Dev 316.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

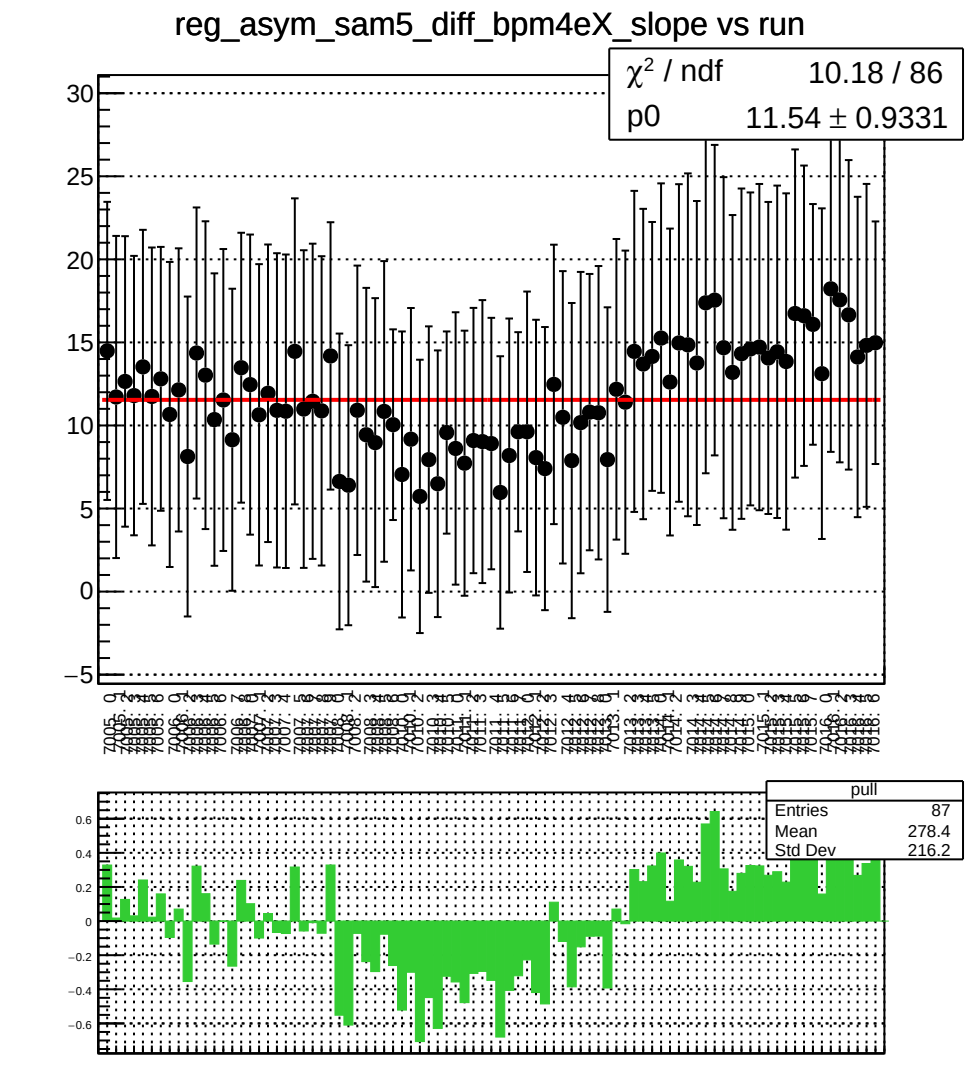

pull1D
Entries 87
Mean 0.01775
Std Dev 0.3733
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

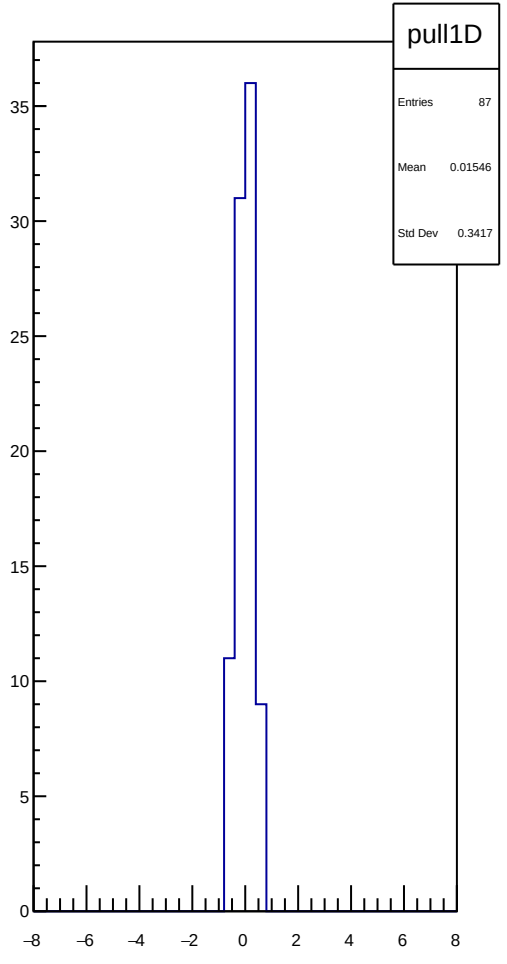

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 35.92 / 86
p0 −0.4546 ± 0.08487
pull
Entries 87
Mean 2644
Std Dev 2597
pull1D
Entries 87
Mean −0.00554
Std Dev 0.6425

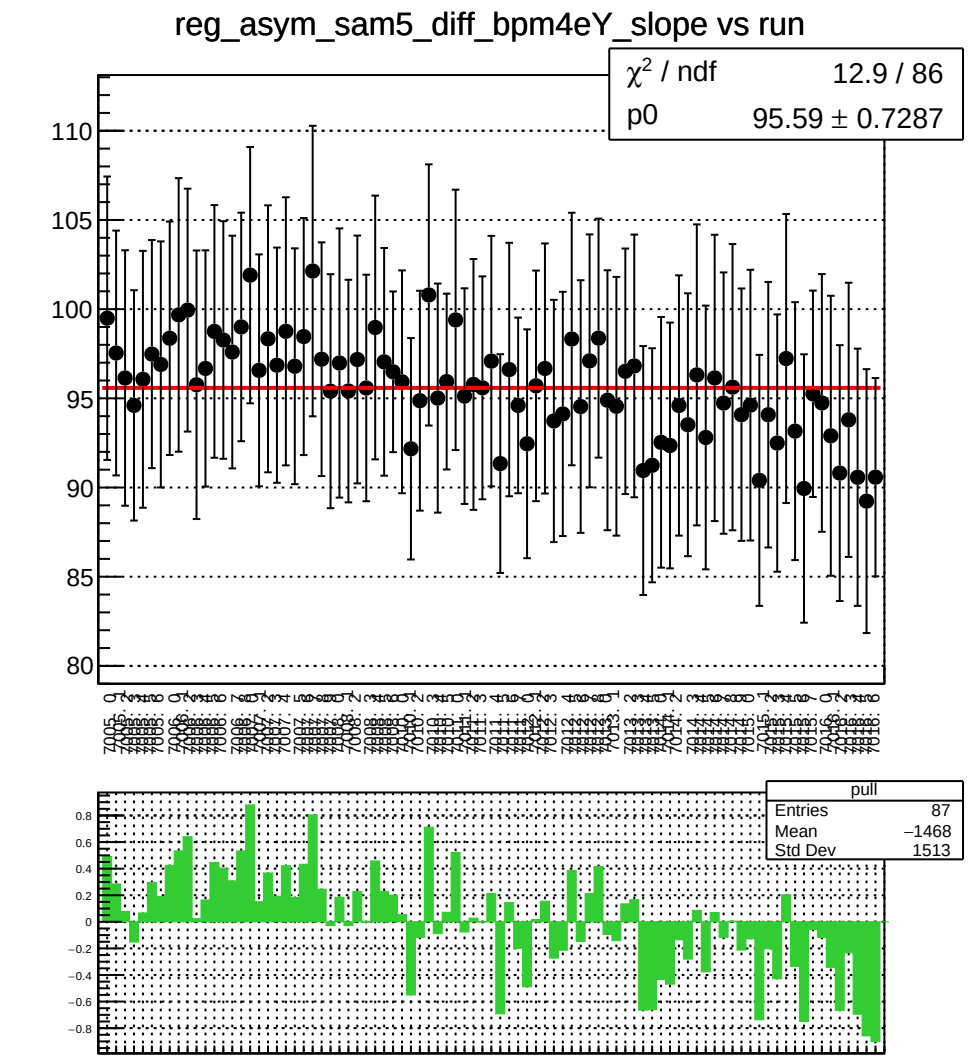

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 9.857 / 86
p0 −2.051 ± 1.006
pull
Entries 87
Mean 253.6
Std Dev 188.8
pull1D
Entries 87
Mean −0.01523
Std Dev 0.3362

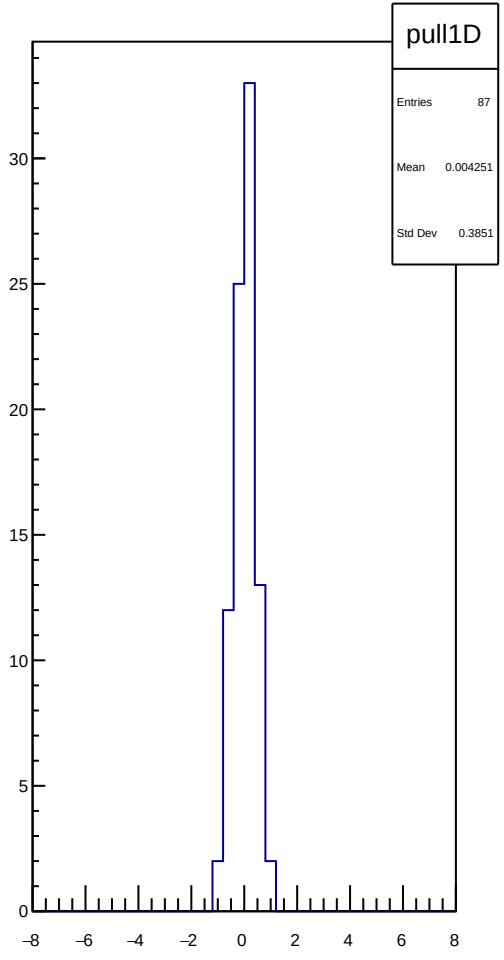

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 6.294 / 86
p0 46.74 ± 0.6938
pull
Entries 87
Mean −574.2
Std Dev 618.8

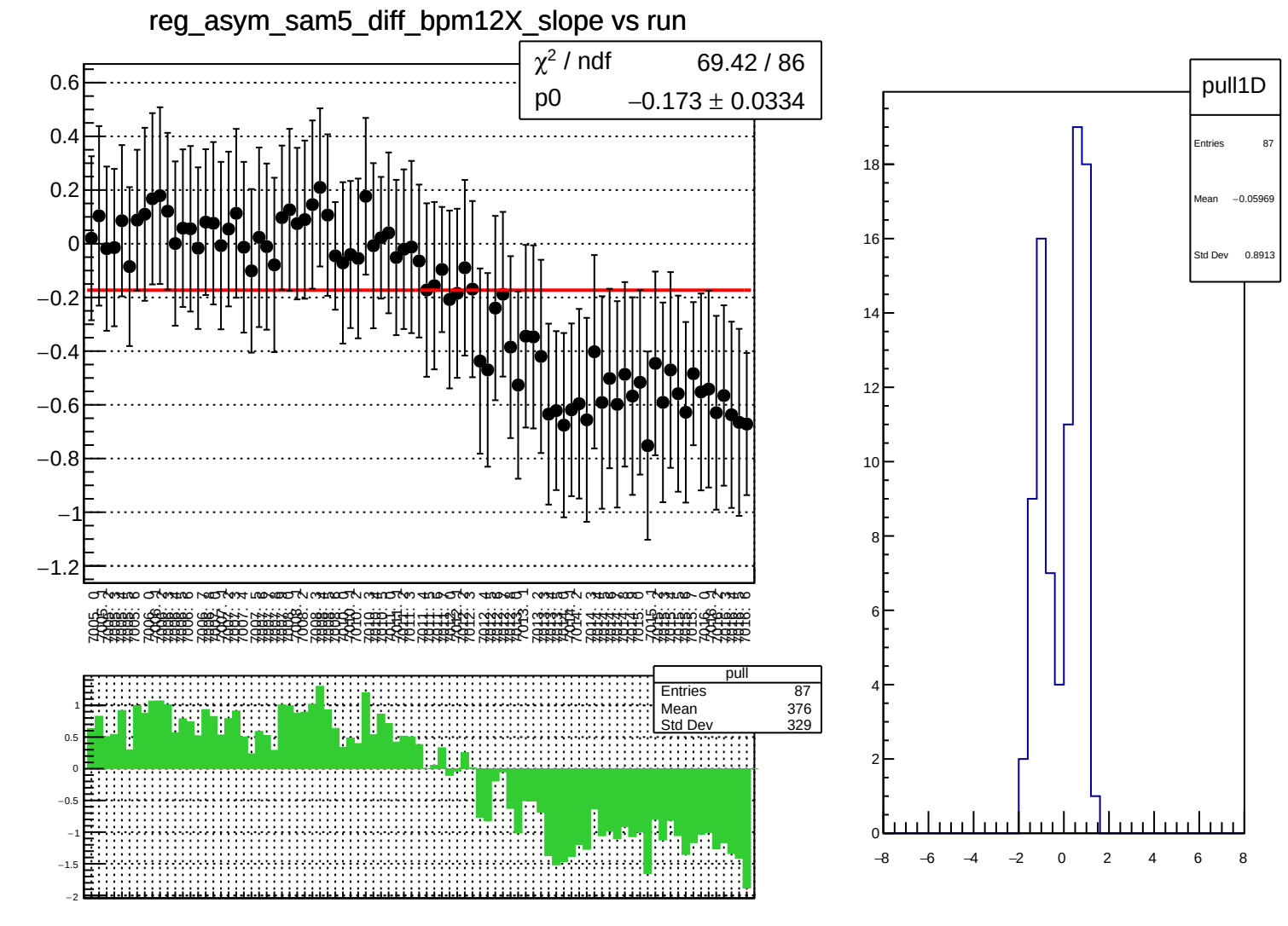

pull1D
Entries 87
Mean −0.006604
Std Dev 0.2689

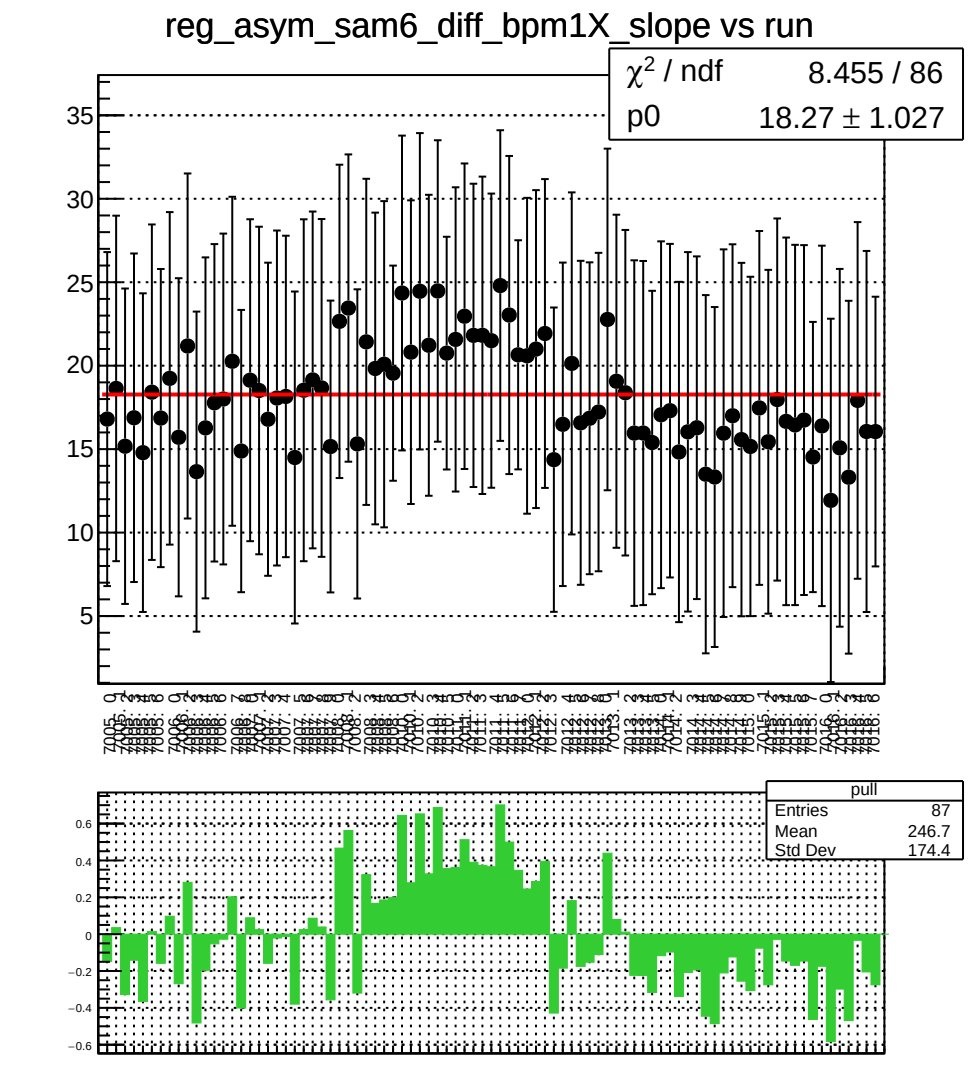

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 86
p0 11.54 ± 0.9331
pull
Entries 87
Mean 278.4
Std Dev 216.2

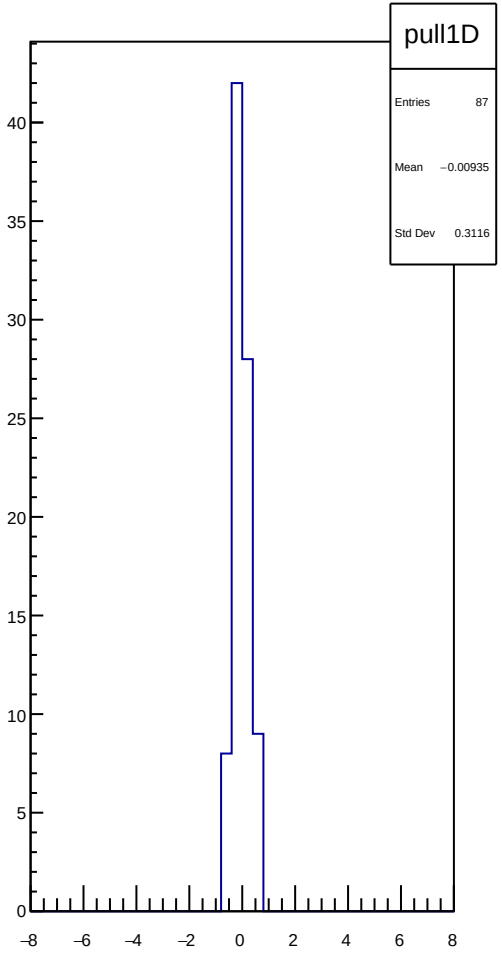

pull1D
Entries 87
Mean 0.01546
Std Dev 0.3417

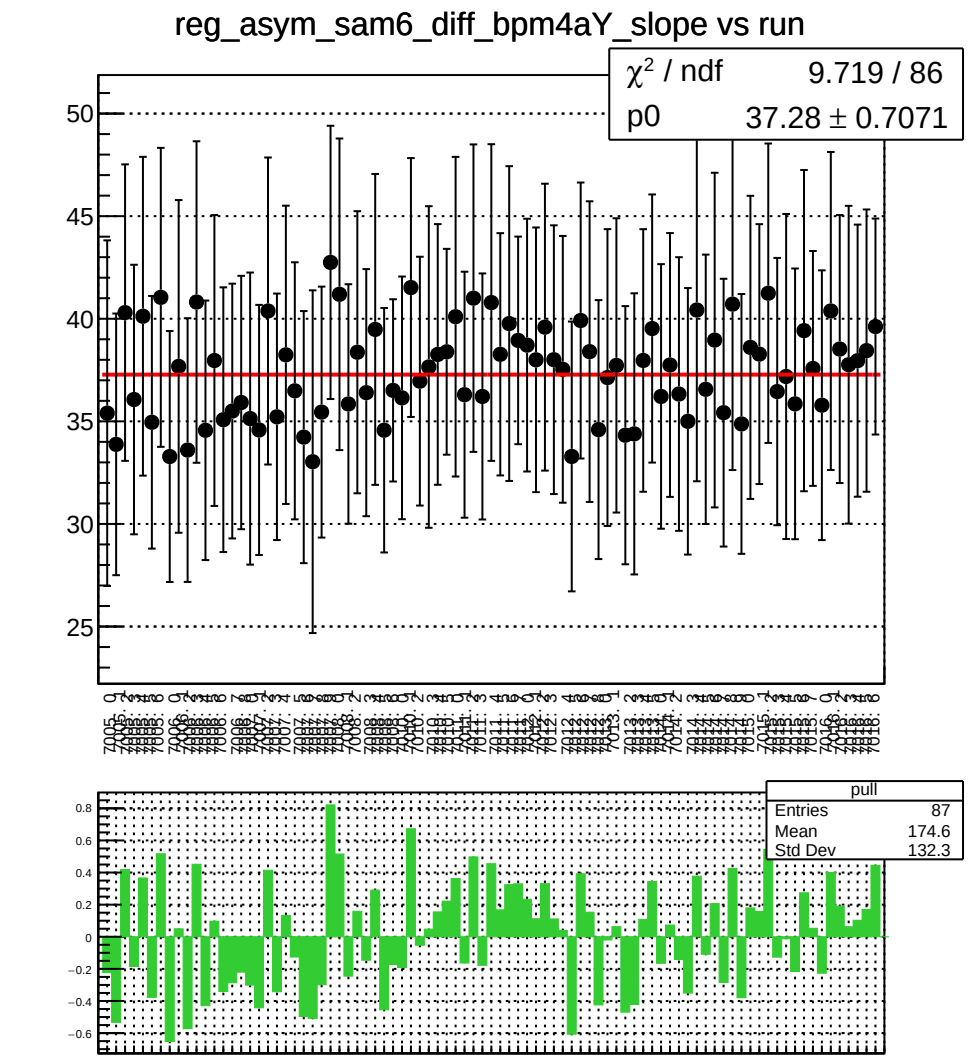

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 86
p0 95.59 ± 0.7287
110
105
100
95
90
85
80
pull
Entries 87
Mean −1468
Std Dev 1513
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

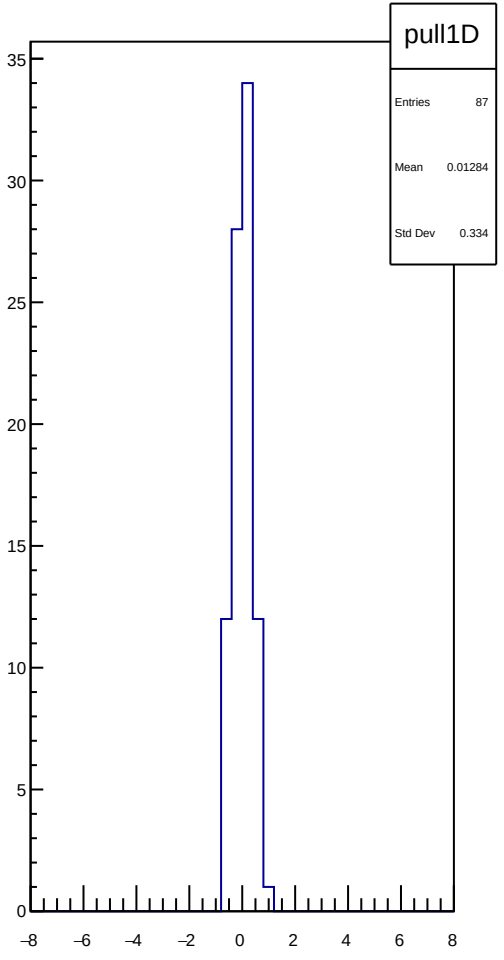

pull1D
Entries 87
Mean 0.004251
Std Dev 0.3851
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

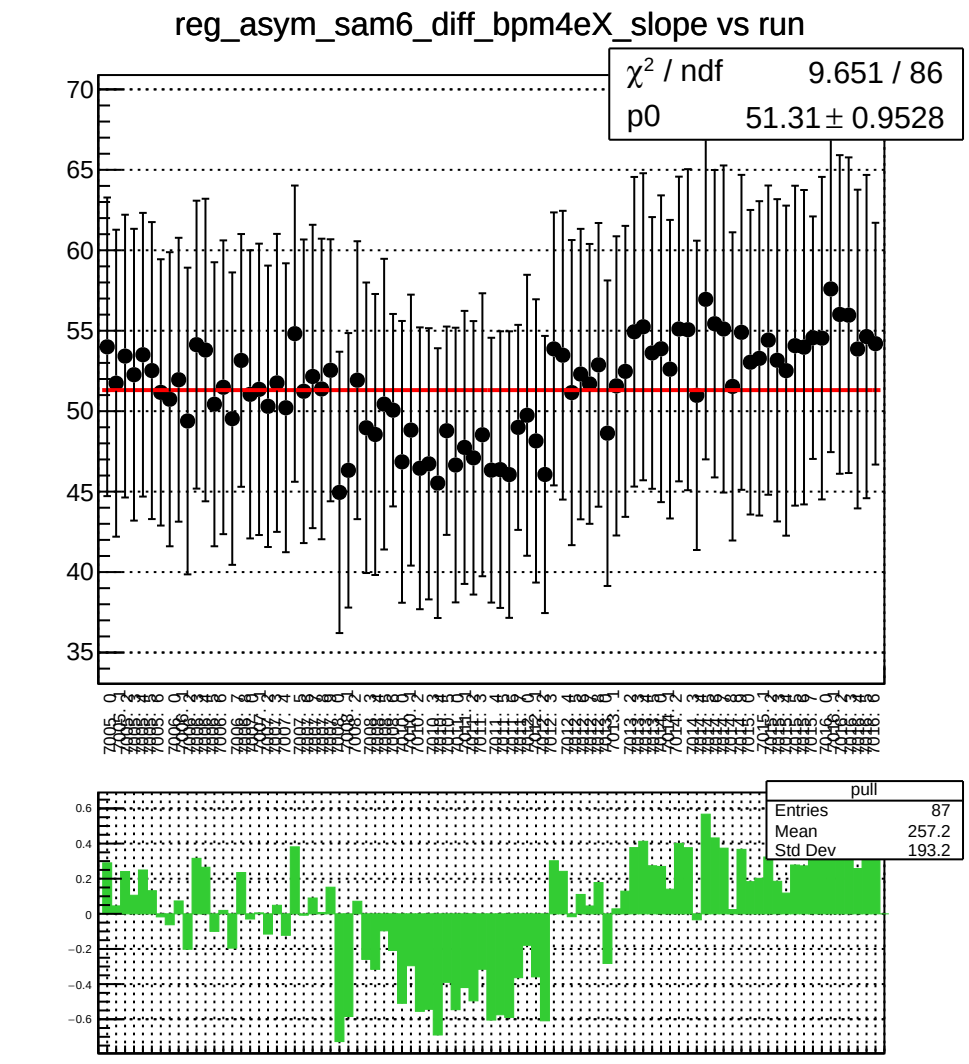

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 69.42 / 86
p0 −0.173 ± 0.0334
pull
Entries 87
Mean 376
Std Dev 329
pull1D
Entries 87
Mean −0.05969
Std Dev 0.8913

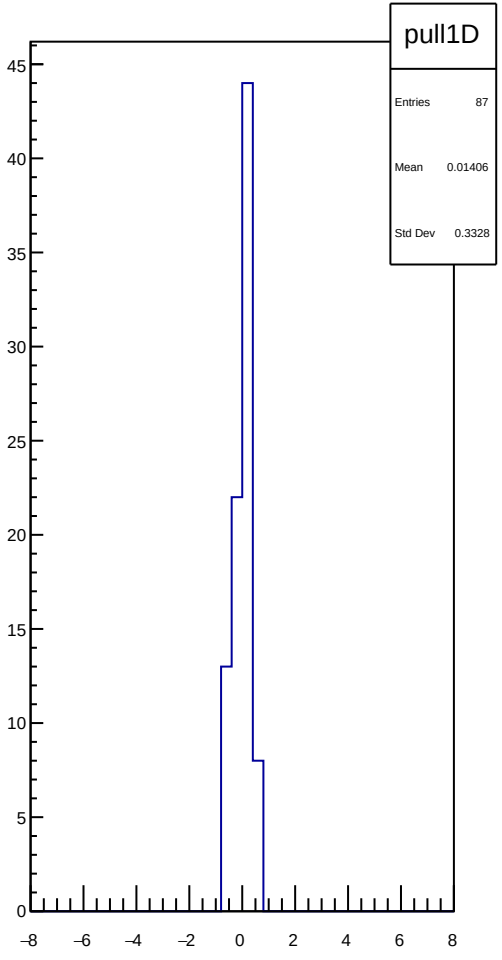

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 8.455 / 86
p0 18.27 ± 1.027
pull
Entries 87
Mean 246.7
Std Dev 174.4

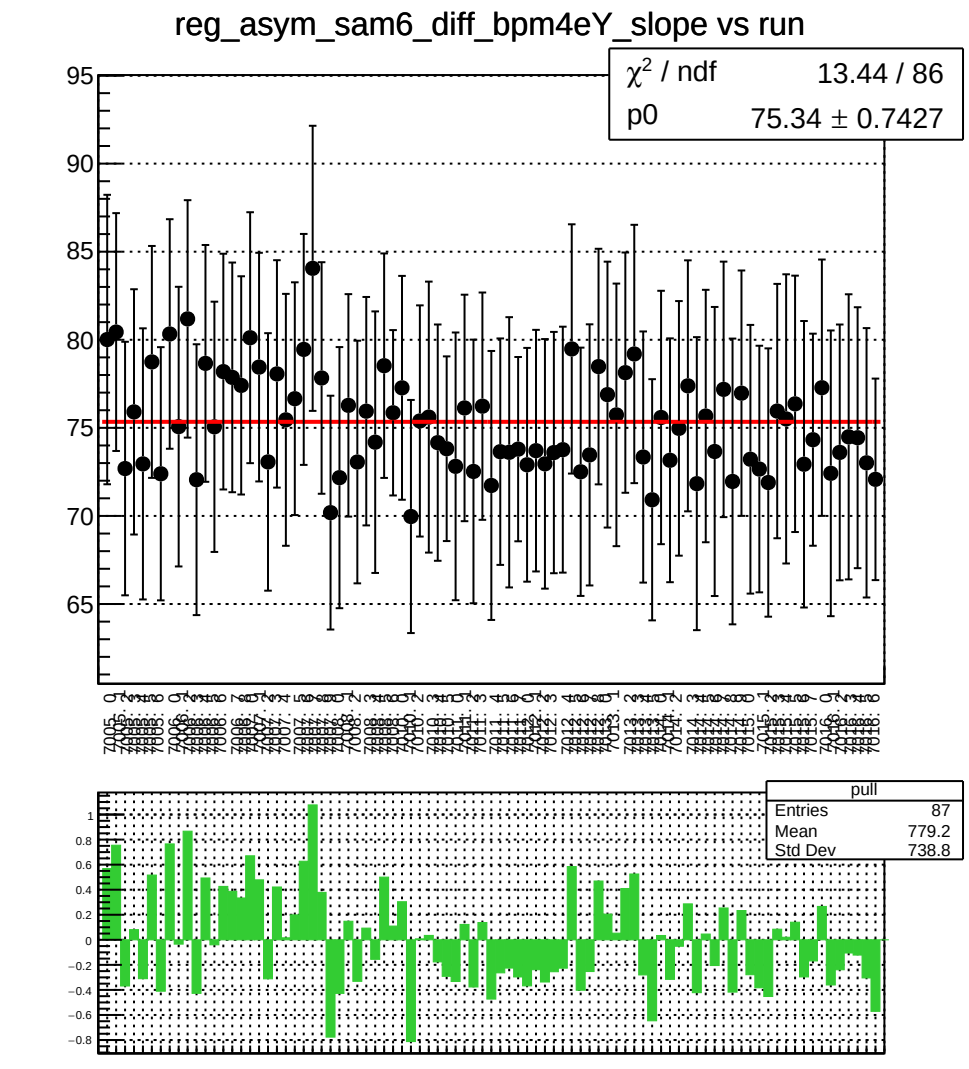

pull1D
Entries 87
Mean −0.00935
Std Dev 0.3116

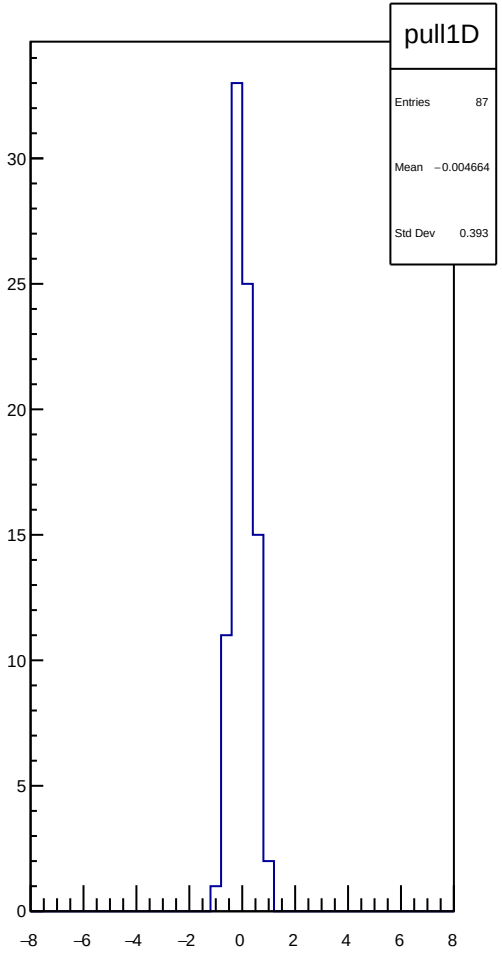

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 9.719 / 86
p0 37.28 ± 0.7071
pull
Entries 87
Mean 174.6
Std Dev 132.3

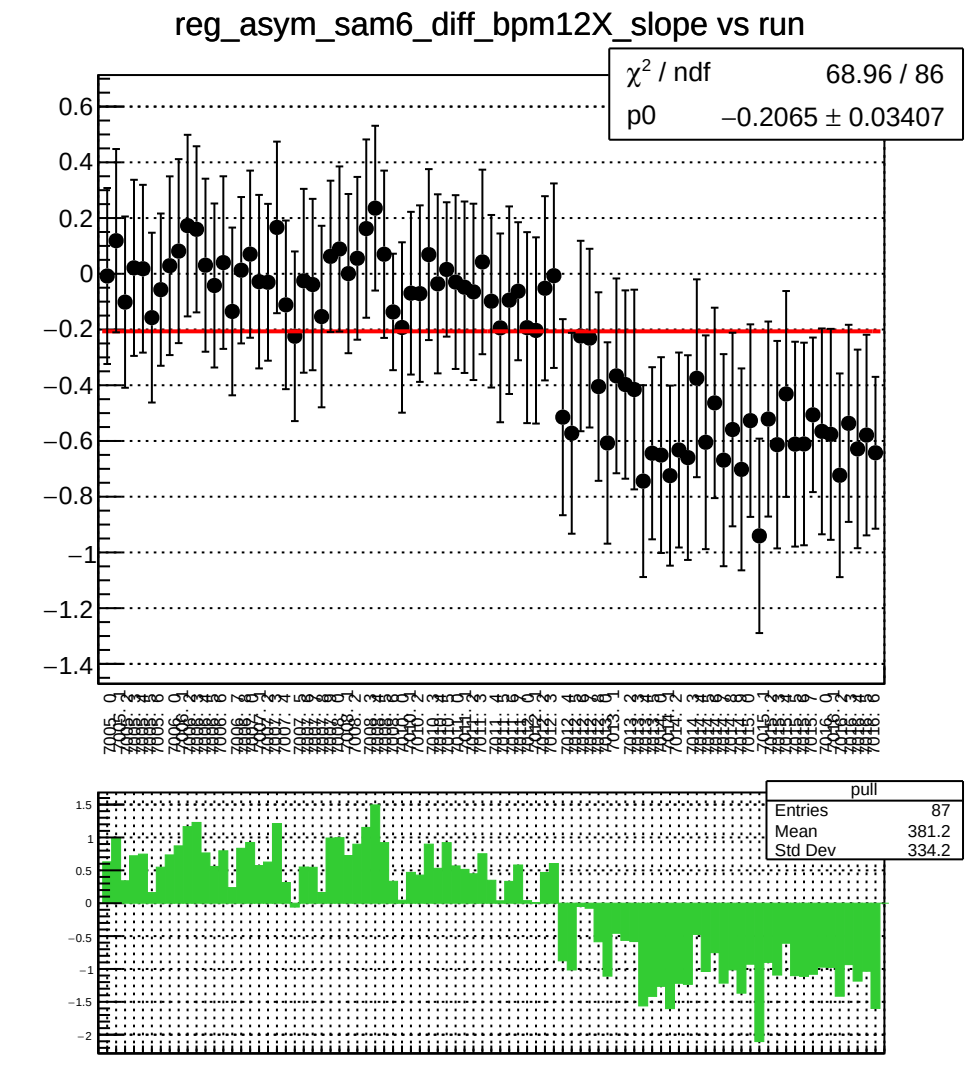

pull1D
Entries 87
Mean 0.01284
Std Dev 0.334

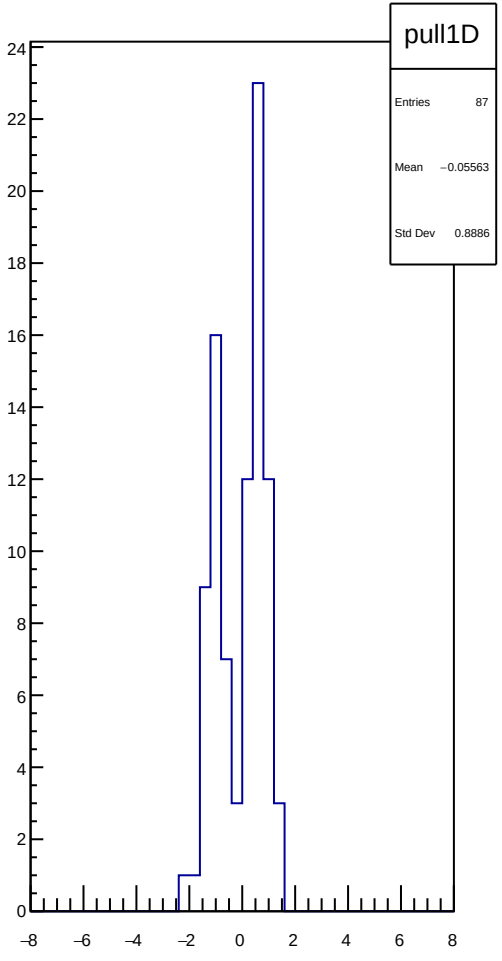

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 9.651 / 86
p0 51.31 ± 0.9528
pull
Entries 87
Mean 257.2
Std Dev 193.2

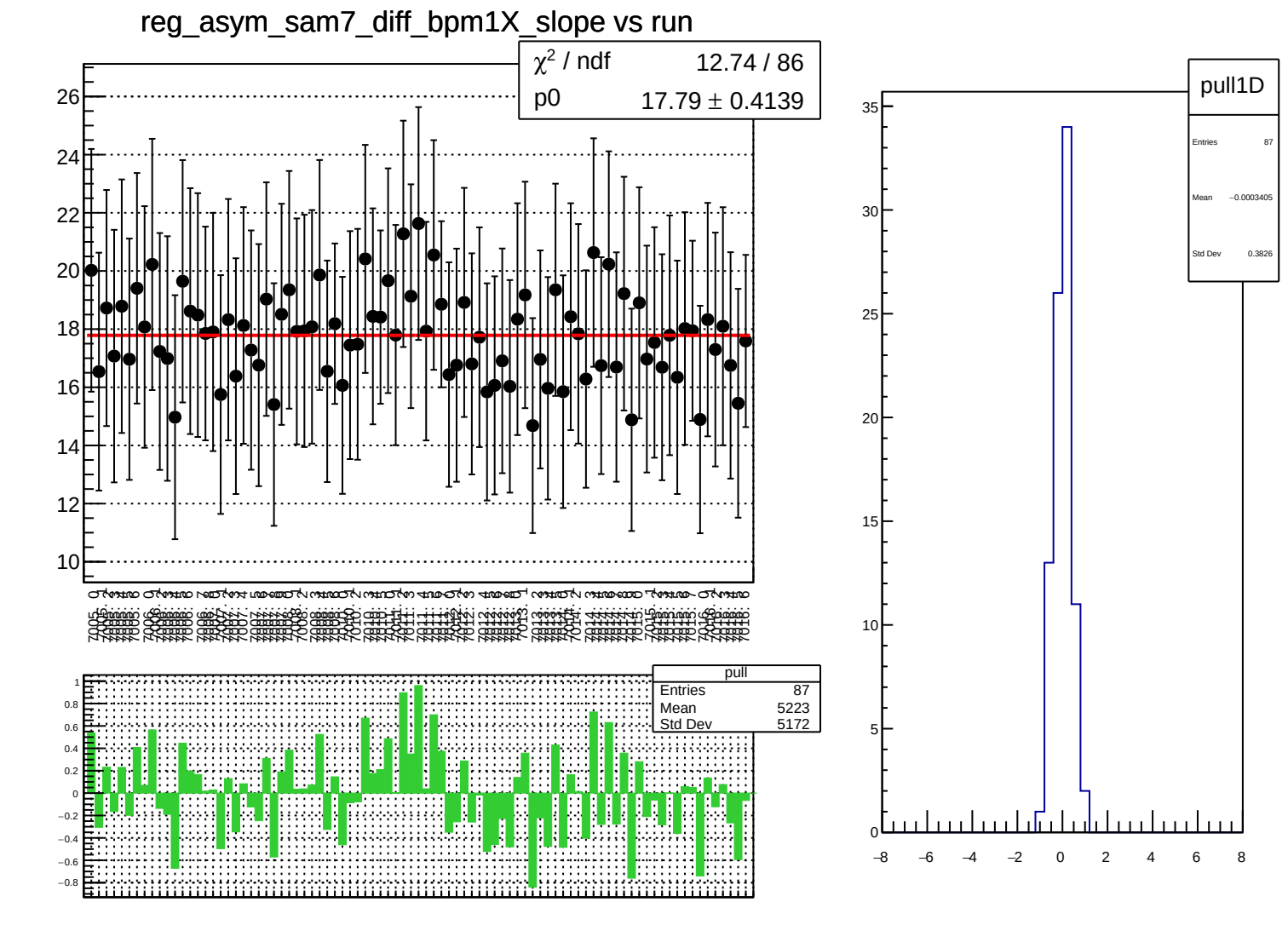

pull1D
Entries 87
Mean 0.01406
Std Dev 0.3328

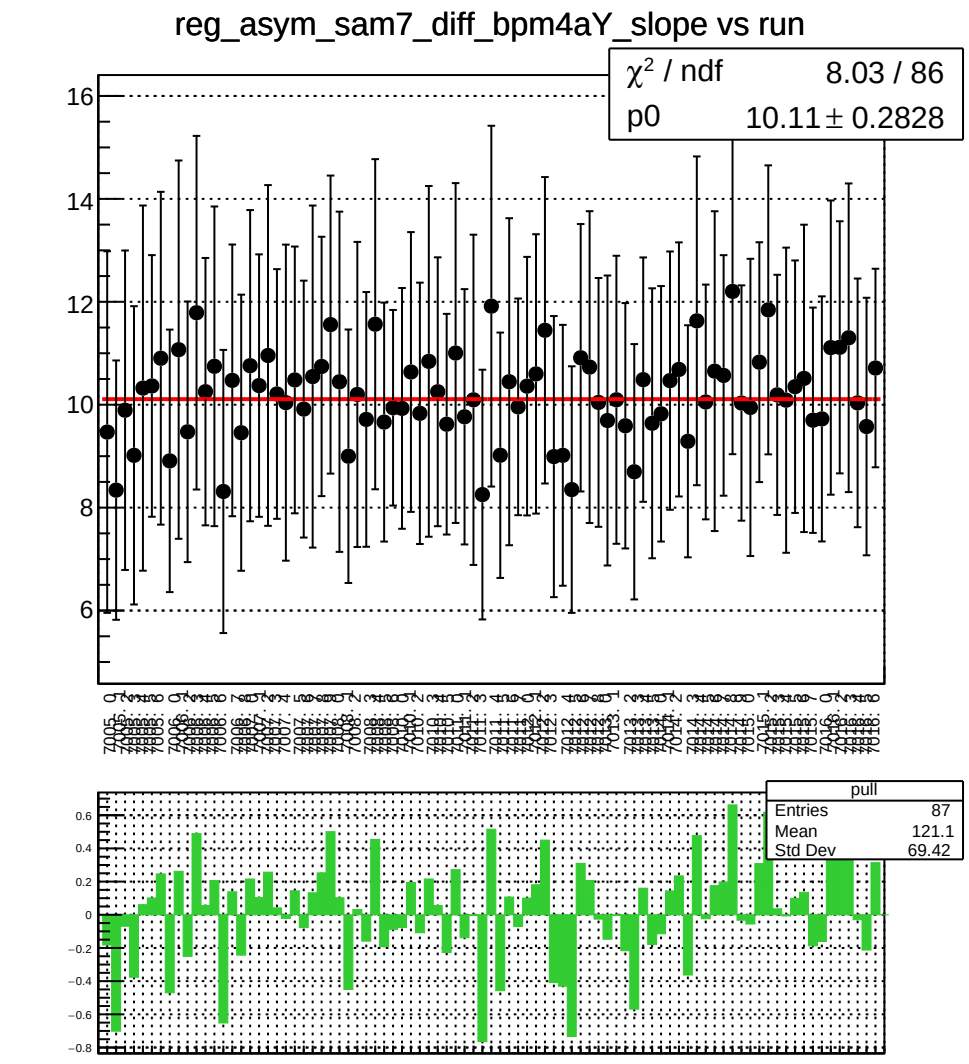

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.44 / 86
p0 75.34 ± 0.7427
pull
Entries 87
Mean 779.2
Std Dev 738.8

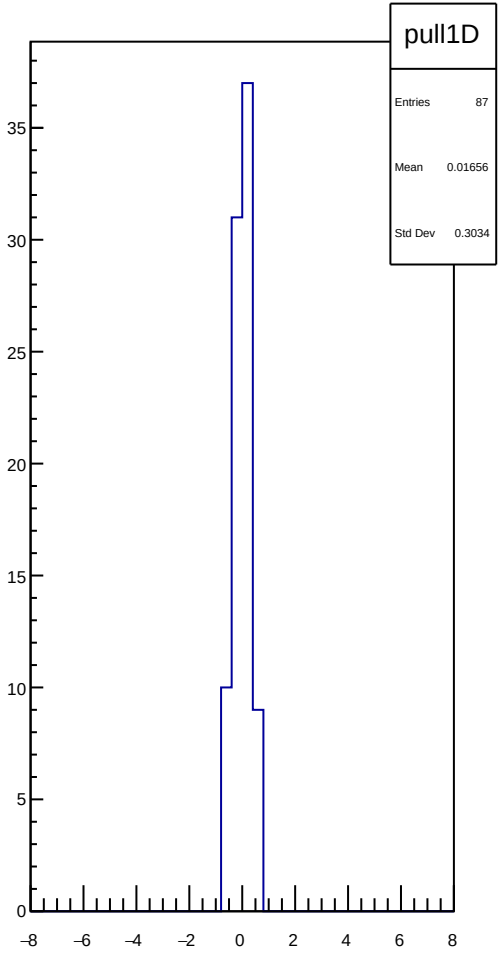

pull1D
Entries 87
Mean −0.004664
Std Dev 0.393

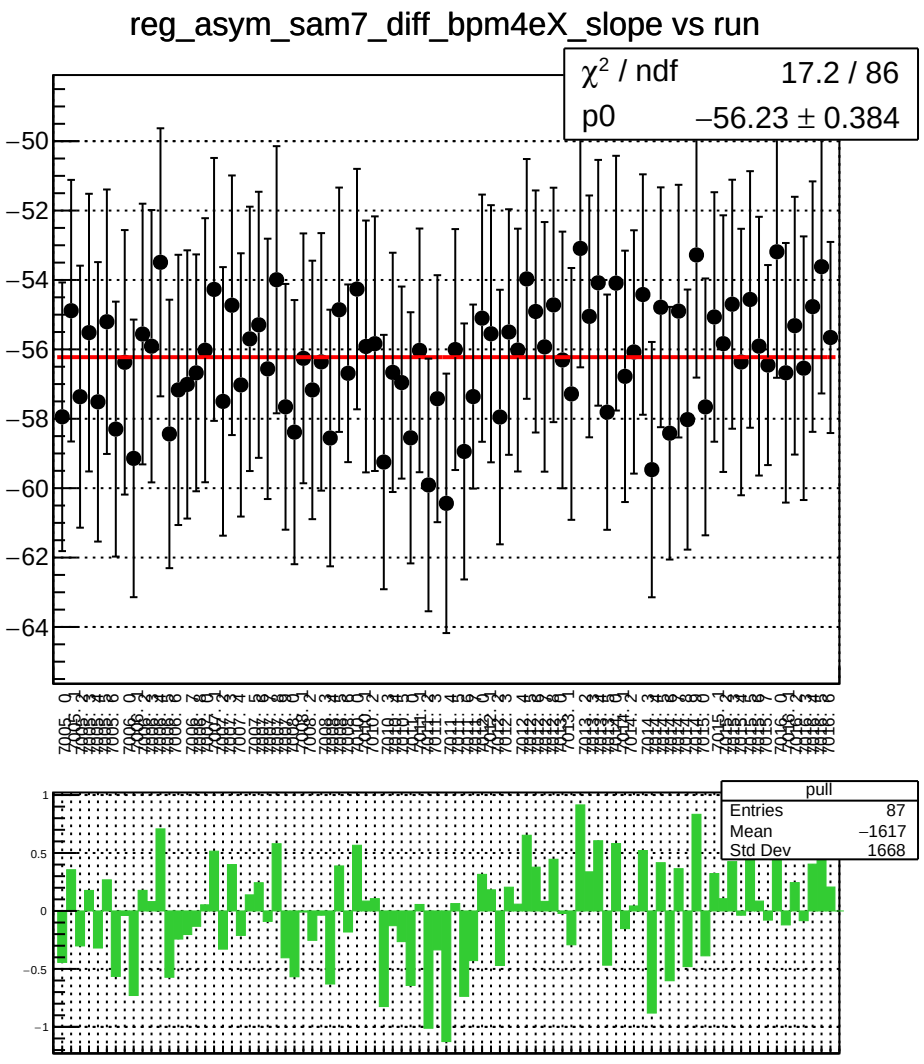

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 68.96 / 86
p0 −0.2065 ± 0.03407
pull
Entries 87
Mean 381.2
Std Dev 334.2

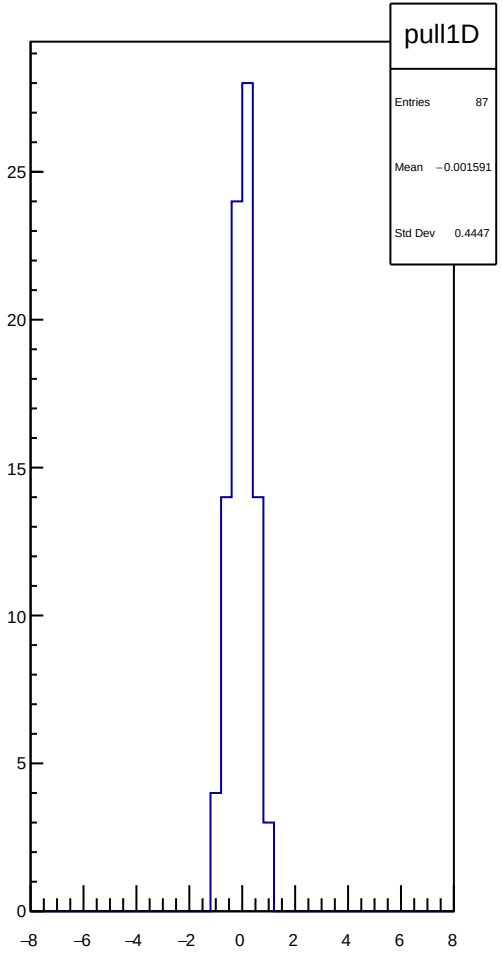

pull1D
Entries 87
Mean −0.05563
Std Dev 0.8886

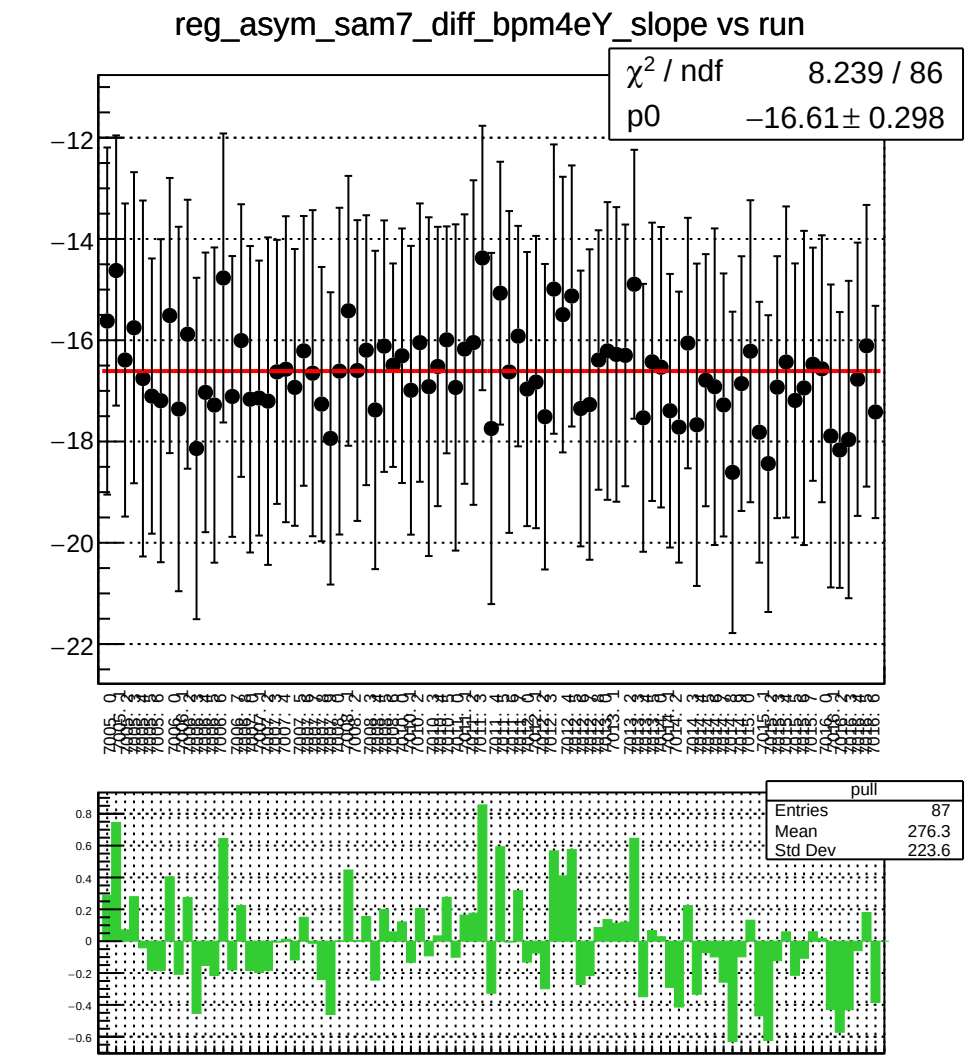

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 12.74 / 86
p0 17.79 ± 0.4139
pull
Entries 87
Mean 5223
Std Dev 5172
pull1D
Entries 87
Mean −0.0003405
Std Dev 0.3826

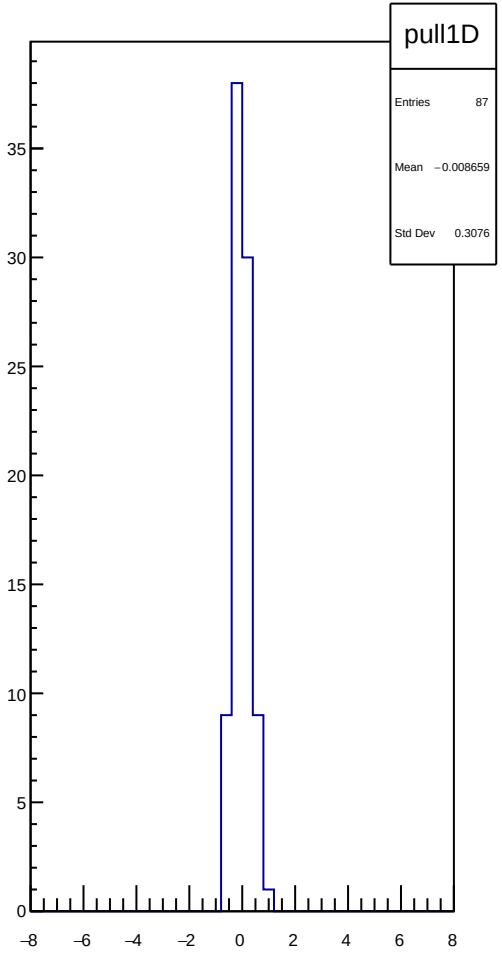

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 8.03 / 86
p0 10.11 ± 0.2828
pull
Entries 87
Mean 121.1
Std Dev 69.42

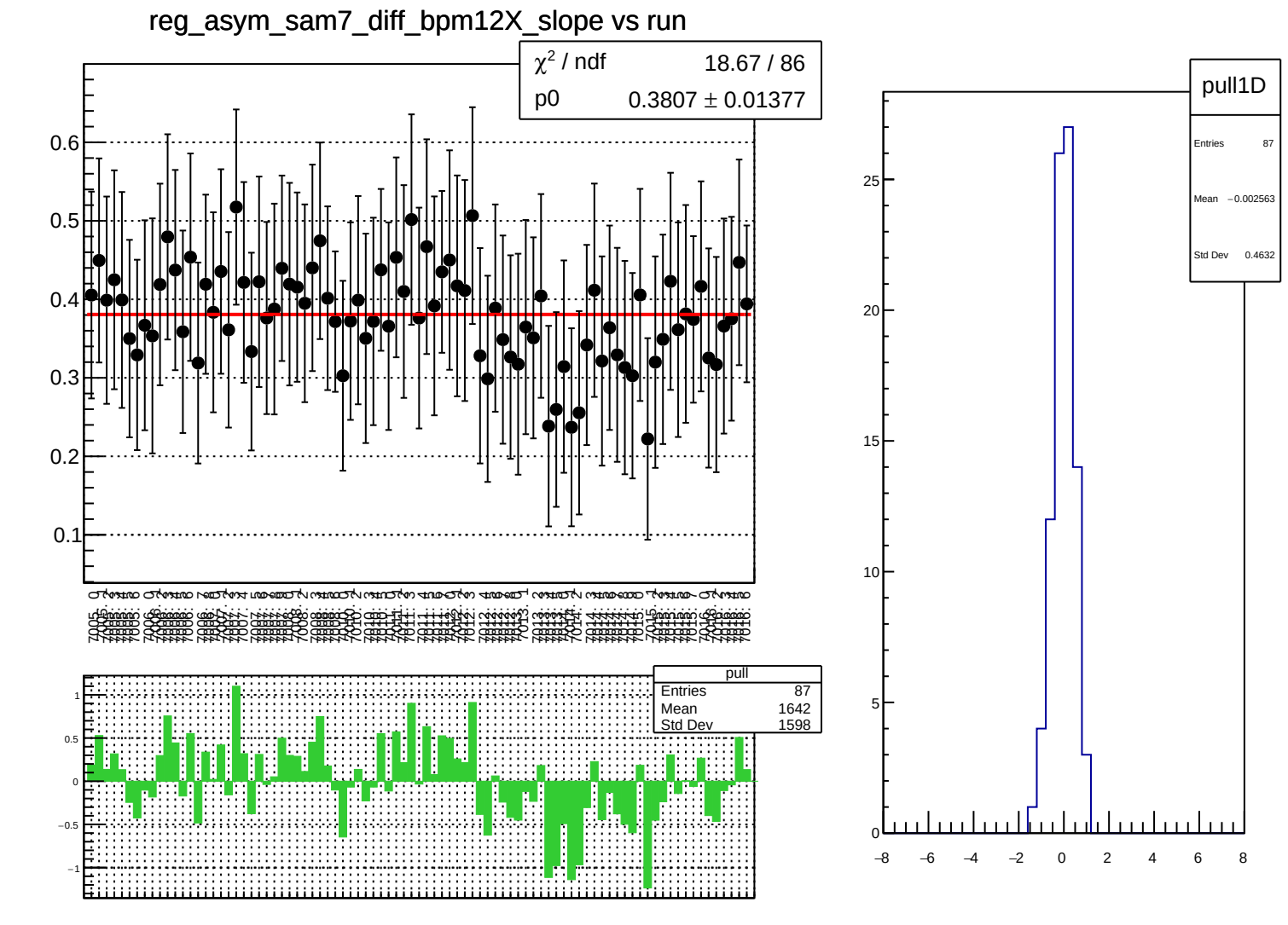

pull1D
Entries 87
Mean 0.01656
Std Dev 0.3034

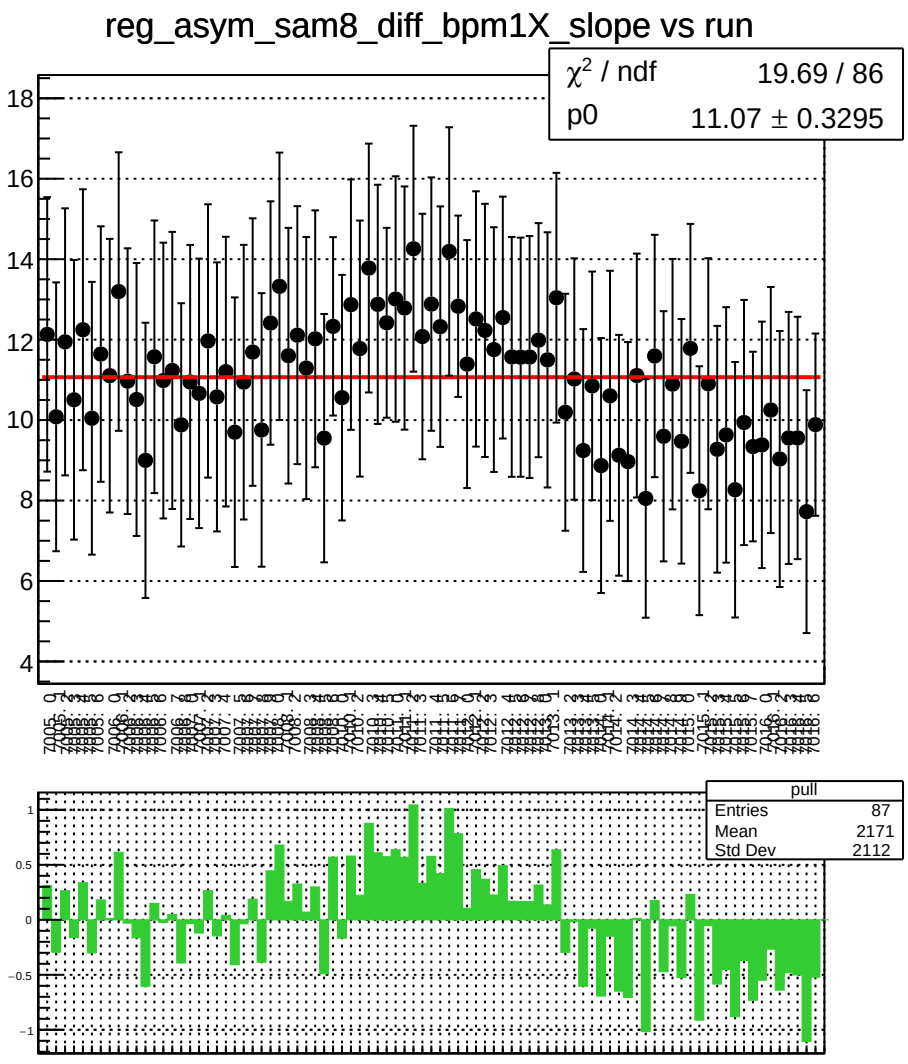

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 17.2 / 86
p0 −56.23 ± 0.384
pull
Entries 87
Mean −1617
Std Dev 1668

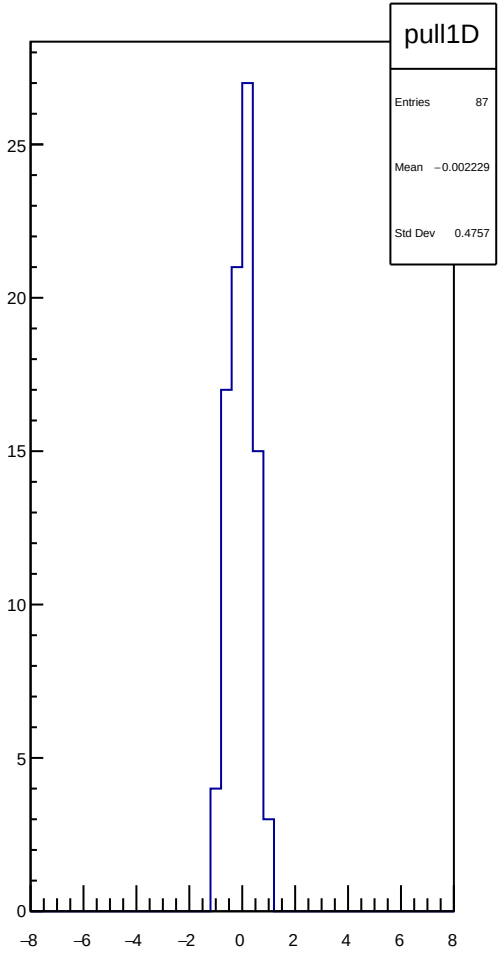

pull1D
Entries 87
Mean −0.001591
Std Dev 0.4447

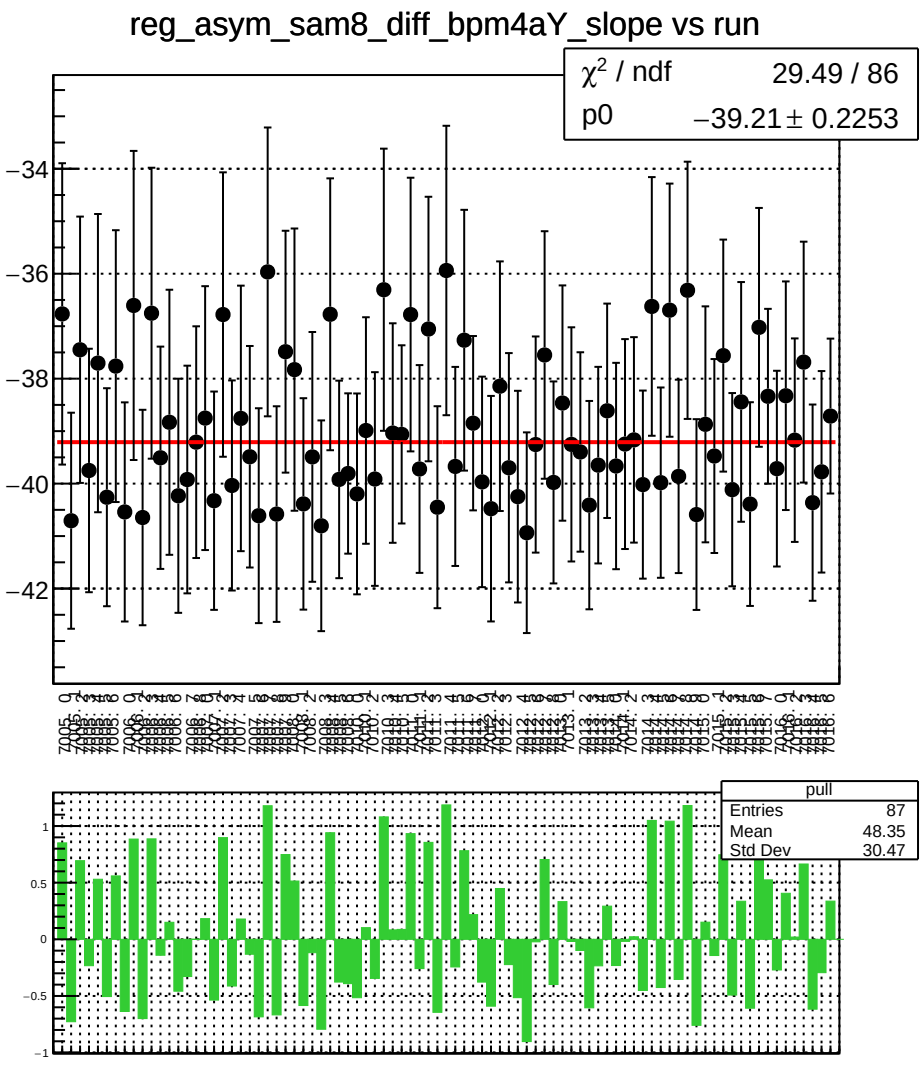

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 8.239 / 86
p0 −16.61 ± 0.298
pull
Entries 87
Mean 276.3
Std Dev 223.6

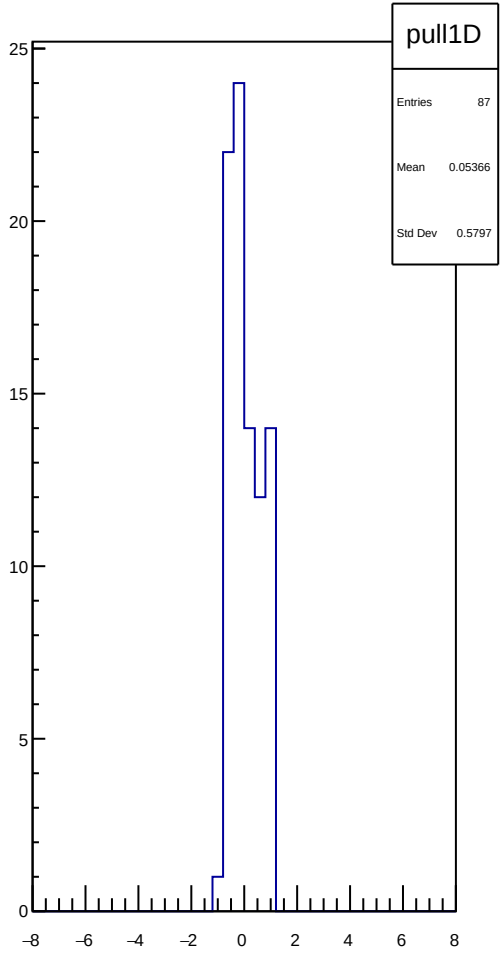

pull1D
Entries 87
Mean −0.008659
Std Dev 0.3076

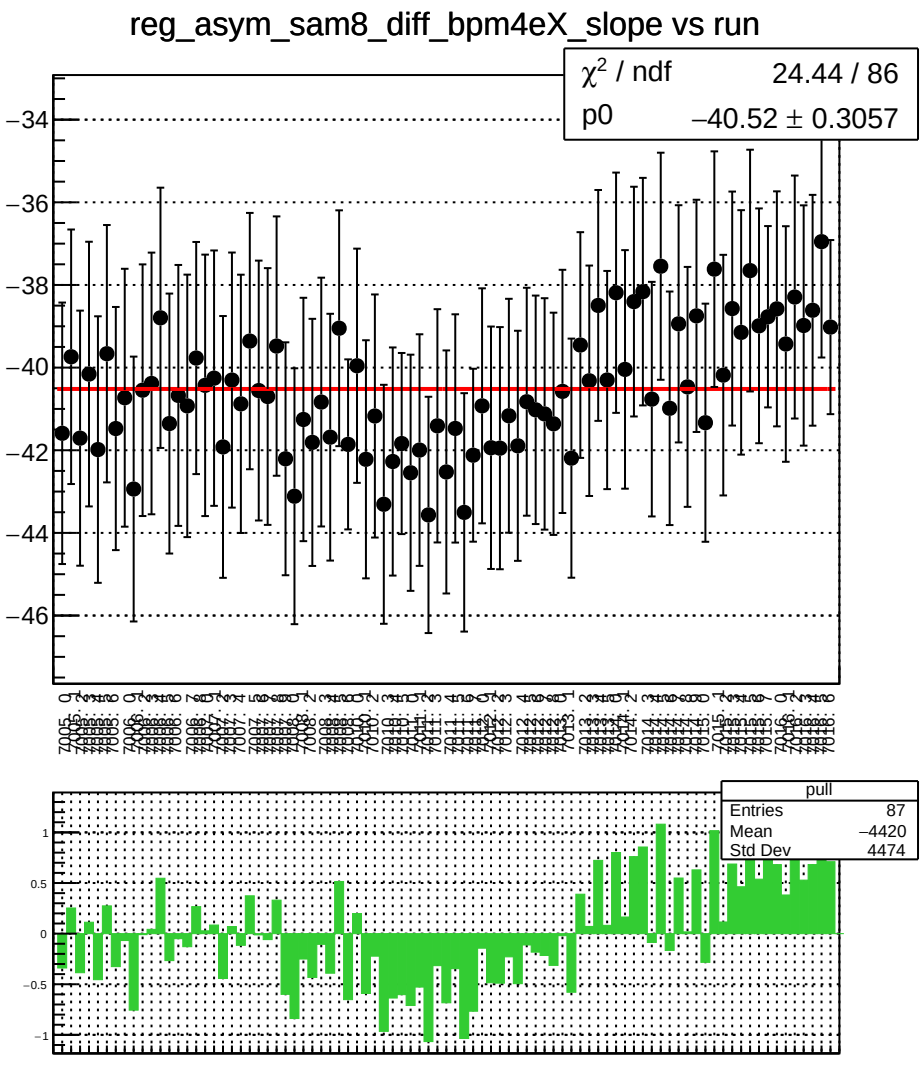

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 18.67 / 86
p0 0.3807 ± 0.01377
pull
Entries 87
Mean 1642
Std Dev 1598
pull1D
Entries 87
Mean −0.002563
Std Dev 0.4632

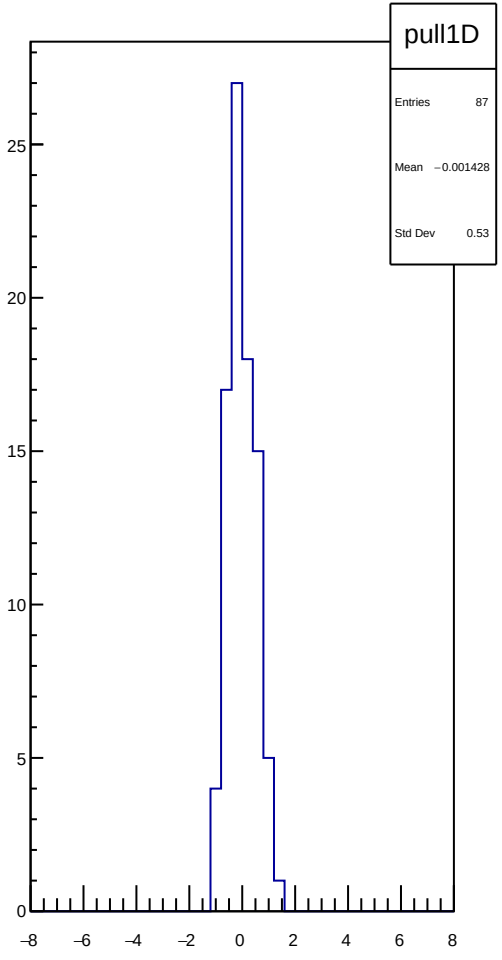

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 19.69 / 86
p0 11.07 ± 0.3295
pull
Entries 87
Mean 2171
Std Dev 2112

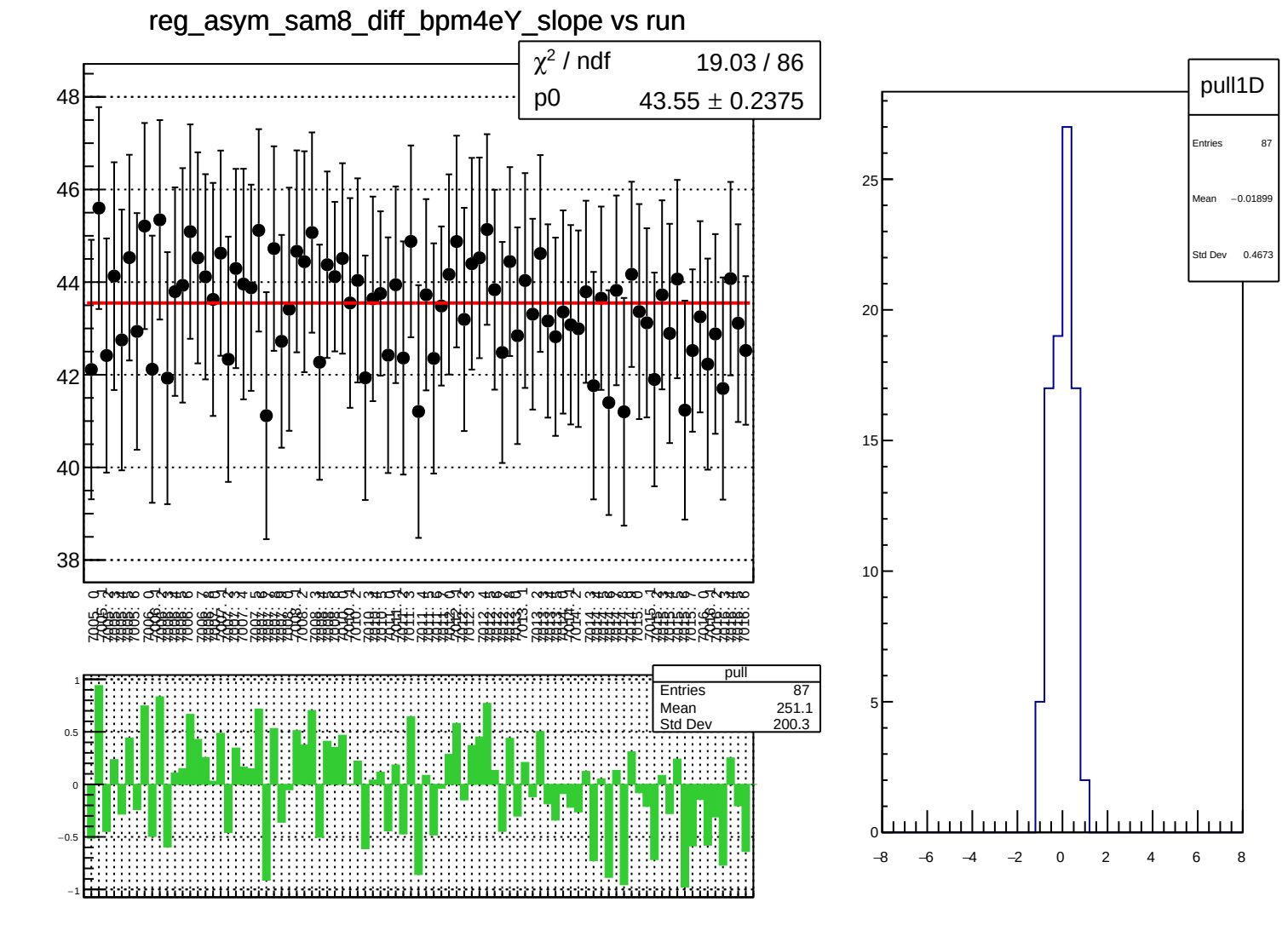

pull1D
Entries 87
Mean −0.002229
Std Dev 0.4757

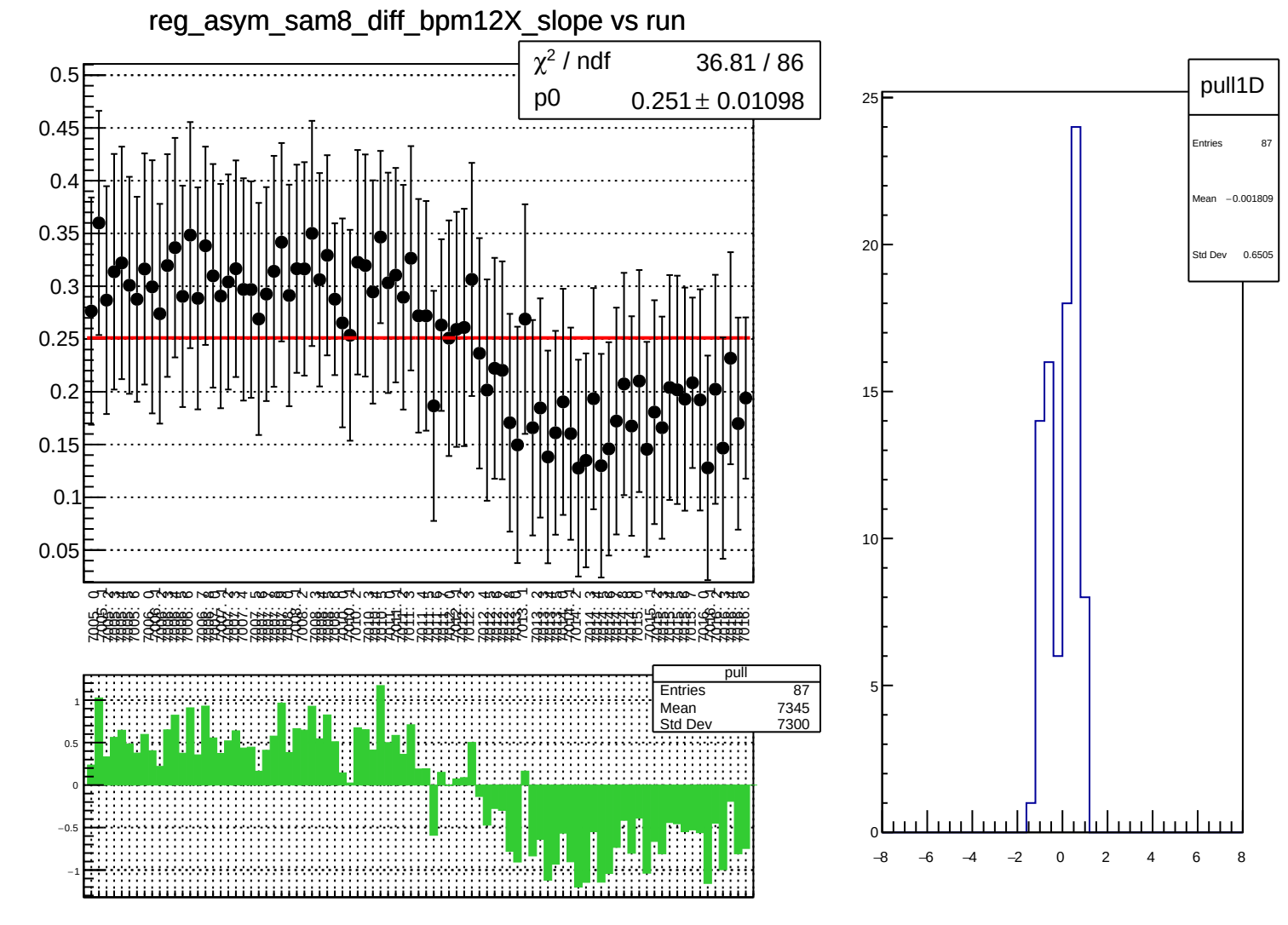

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 29.49 / 86
p0 −39.21 ± 0.2253
−34
−36
−38
−40
−42
pull
Entries 87
Mean 48.35
Std Dev 30.47
1
0.5
0
−0.5
−1

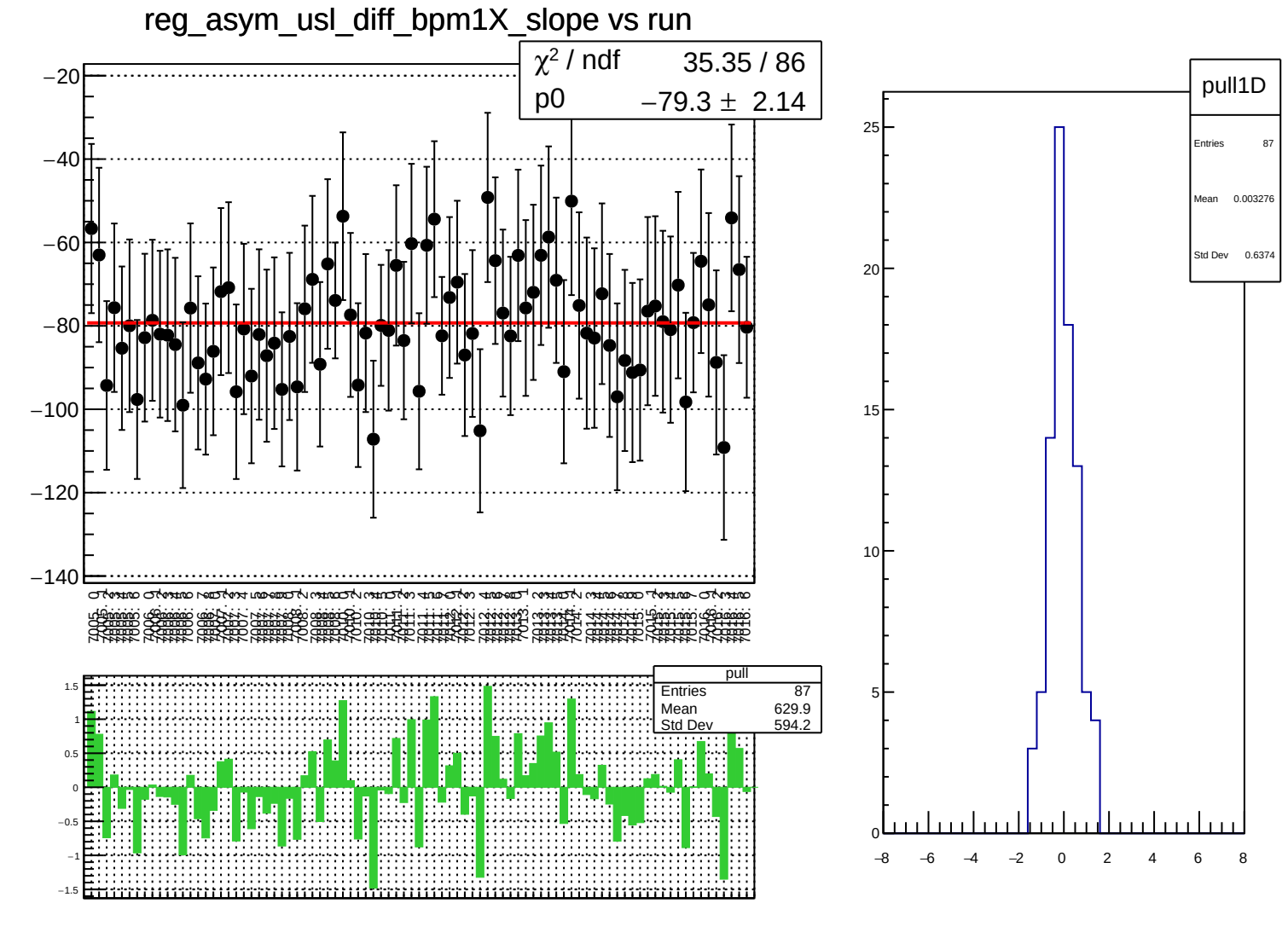

pull1D
Entries 87
Mean 0.05366
Std Dev 0.5797
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

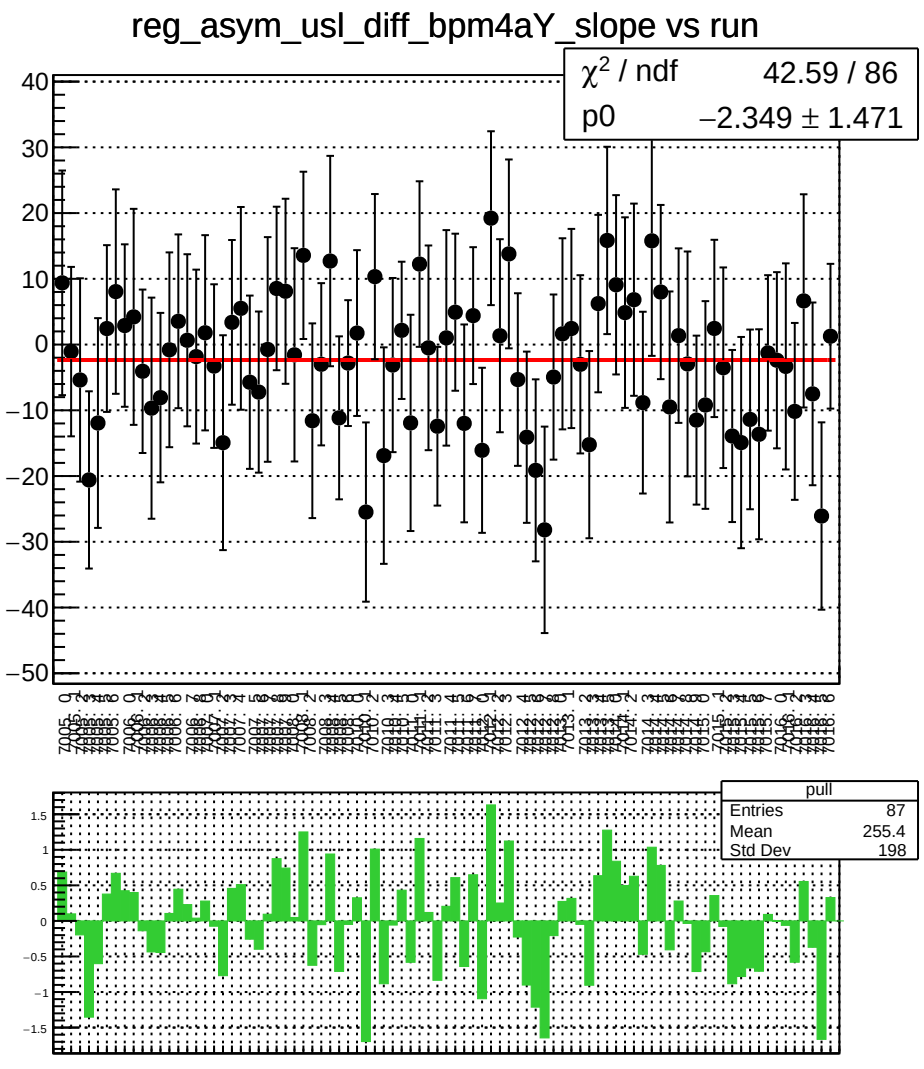

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 24.44 / 86
p0 −40.52 ± 0.3057
−34
−36
−38
−40
−42
−44
−46
pull
Entries 87
Mean −4420
Std Dev 4474
1
0.5
0
−0.5
−1

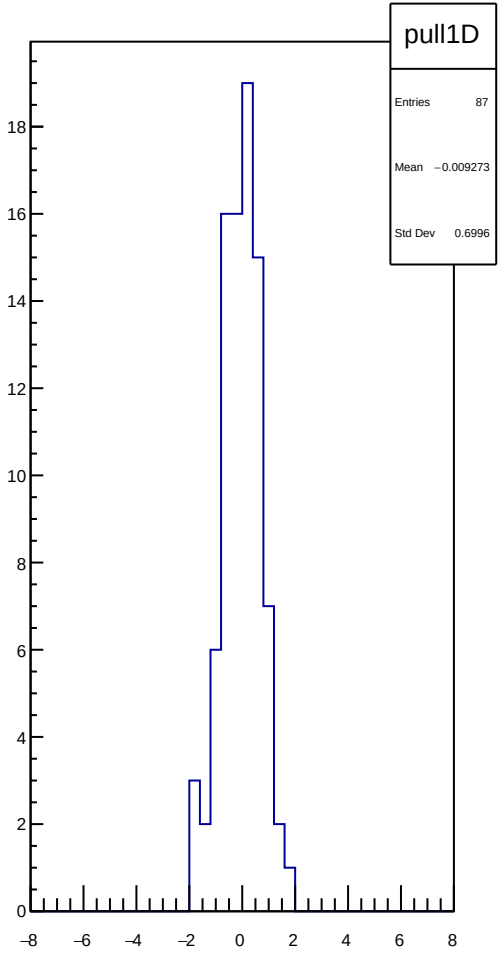

pull1D
Entries 87
Mean −0.001428
Std Dev 0.53
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

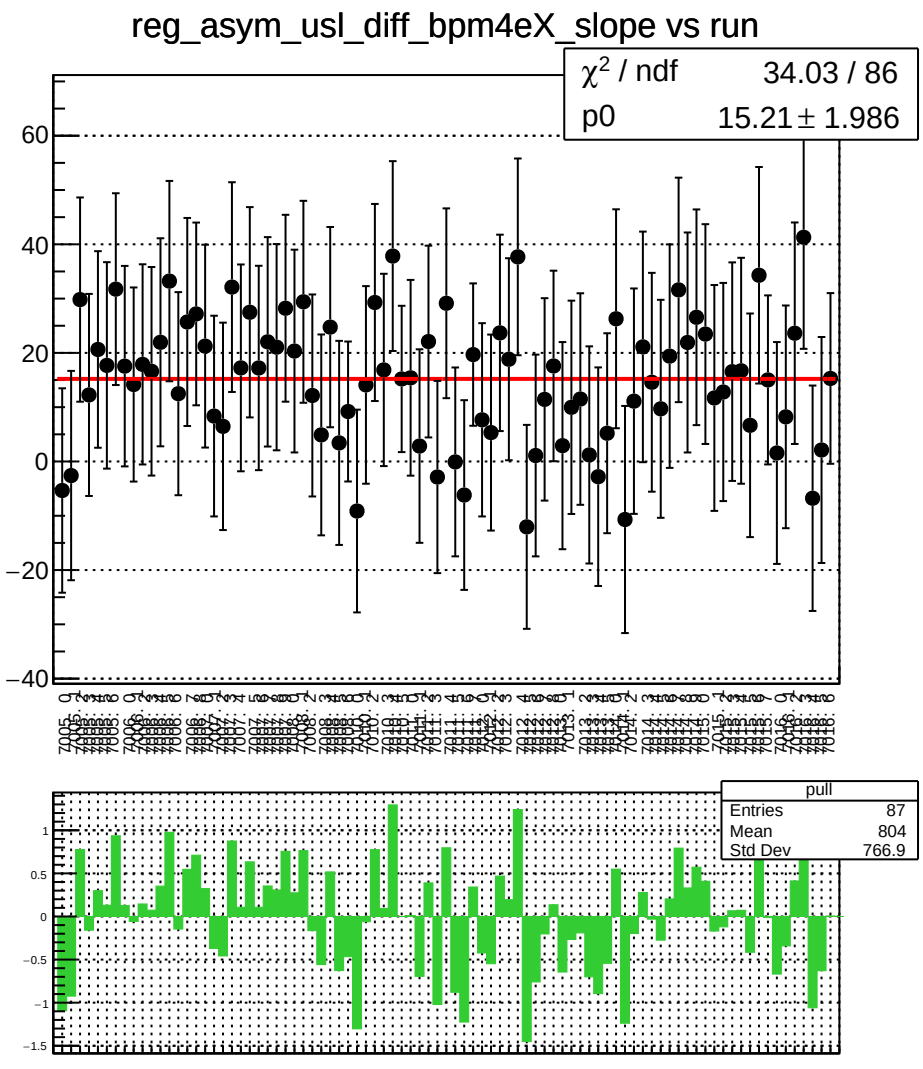

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 19.03 / 86
p0 43.55 ± 0.2375
pull
Entries 87
Mean 251.1
Std Dev 200.3
pull1D
Entries 87
Mean −0.01899
Std Dev 0.4673

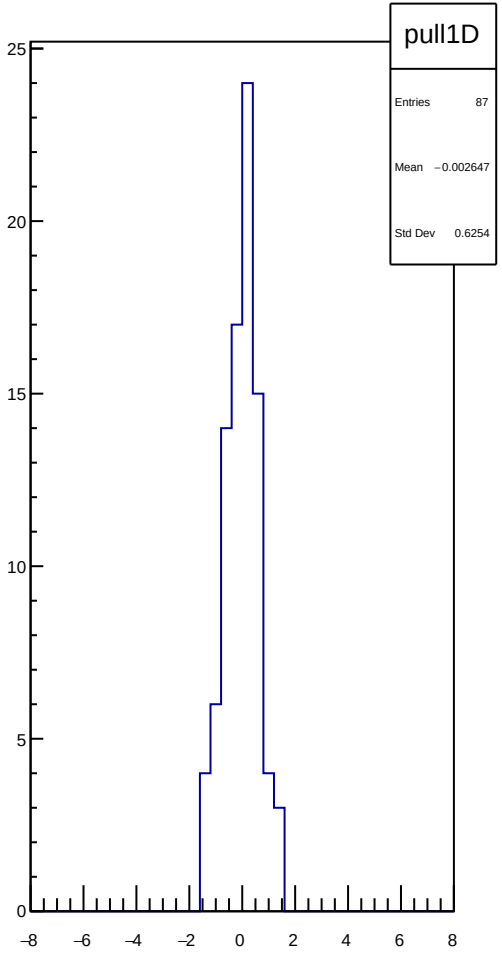

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 36.81 / 86
p0 0.251 ± 0.01098
pull
Entries 87
Mean 7345
Std Dev 7300
pull1D
Entries 87
Mean −0.001809
Std Dev 0.6505

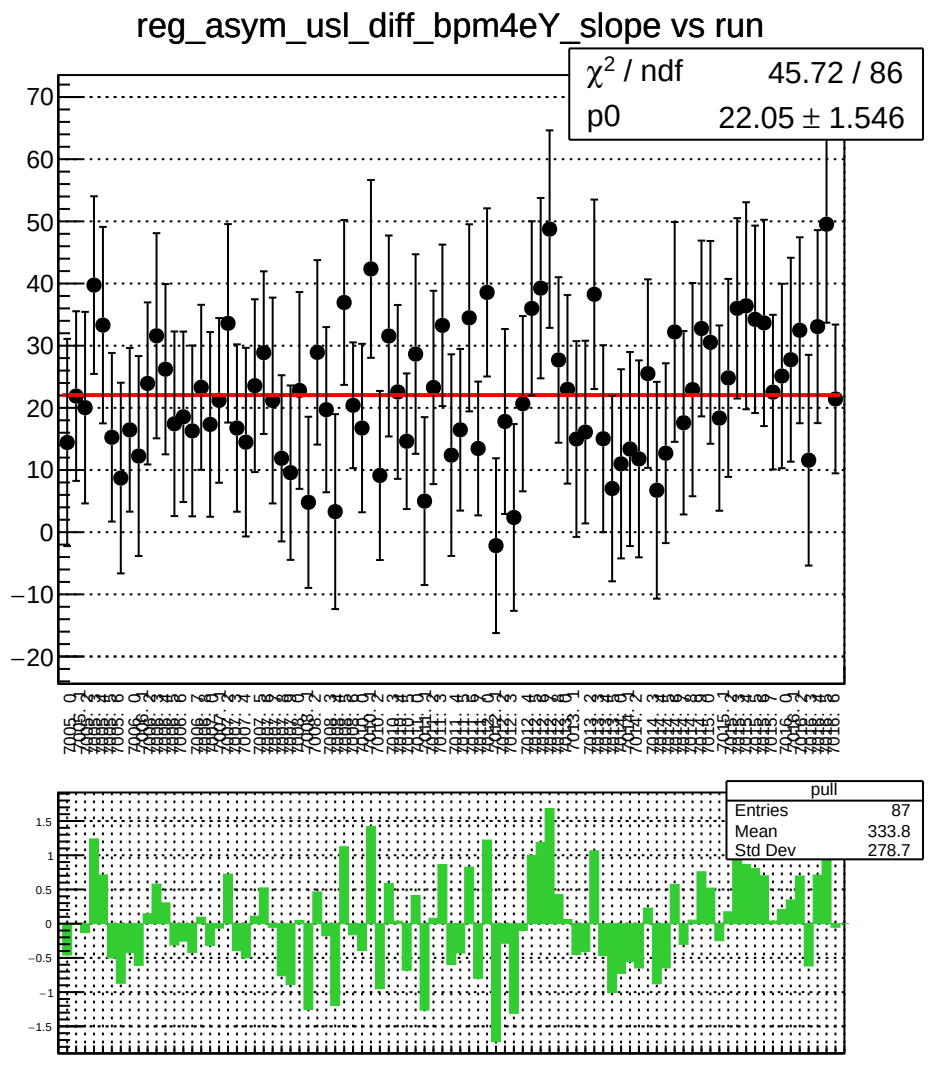

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 35.35 / 86
p0 −79.3 ± 2.14
−20
−40
−60
−80
−100
−120
−140
pull
Entries 87
Mean 629.9
Std Dev 594.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.003276
Std Dev 0.6374
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

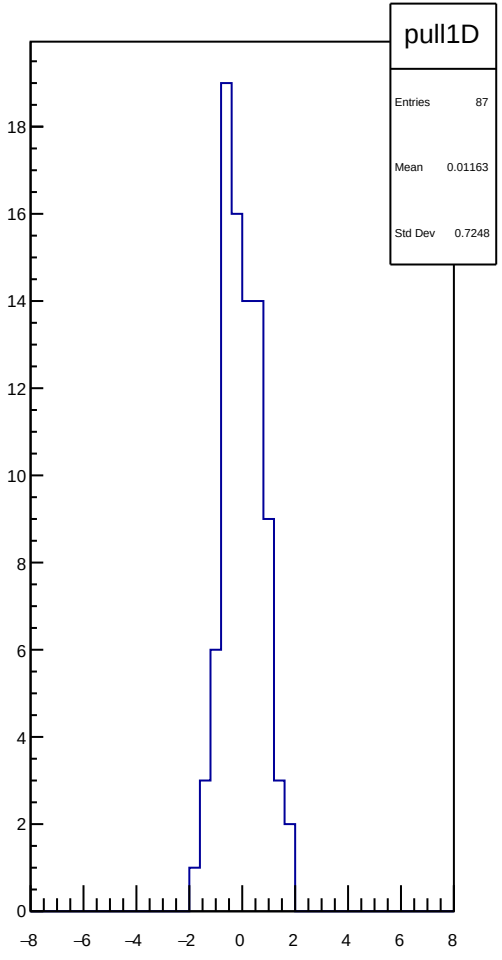

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.59 / 86
p0 −2.349 ± 1.471
pull
Entries 87
Mean 255.4
Std Dev 198

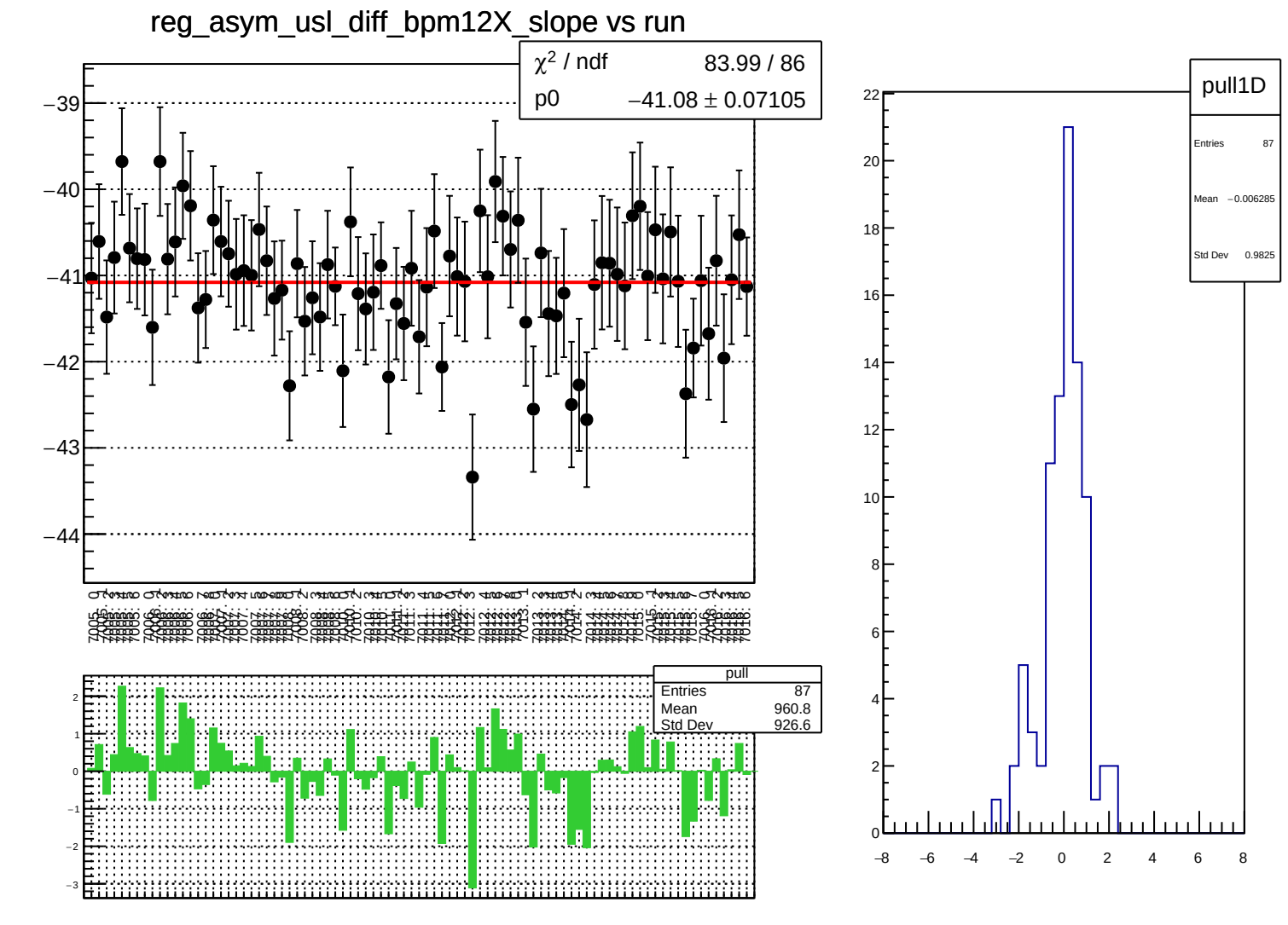

pull1D
Entries 87
Mean −0.009273
Std Dev 0.6996

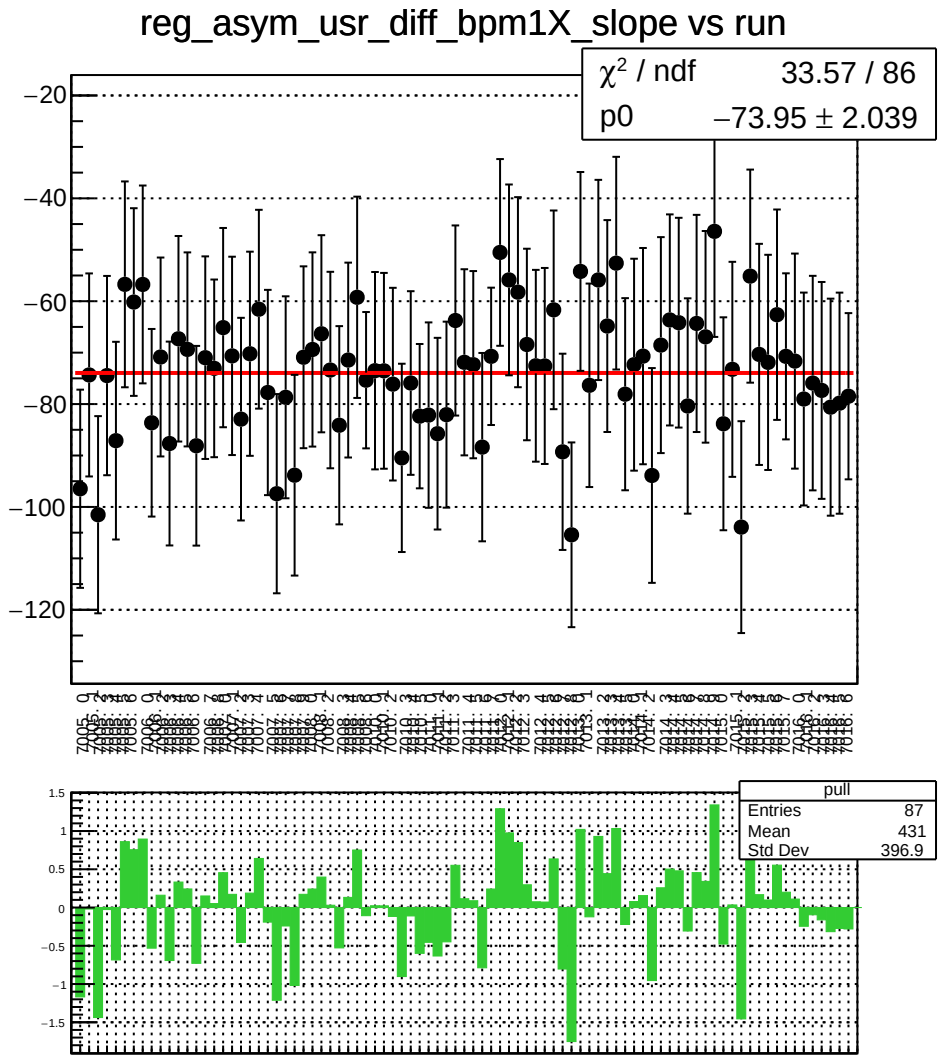

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.03 / 86
p0 15.21 ± 1.986
pull
Entries 87
Mean 804
Std Dev 766.9

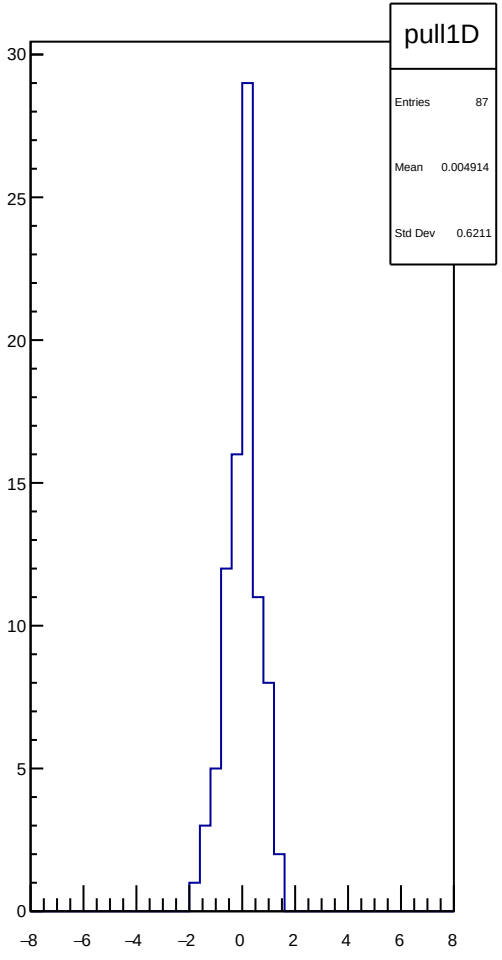

pull1D
Entries 87
Mean −0.002647
Std Dev 0.6254

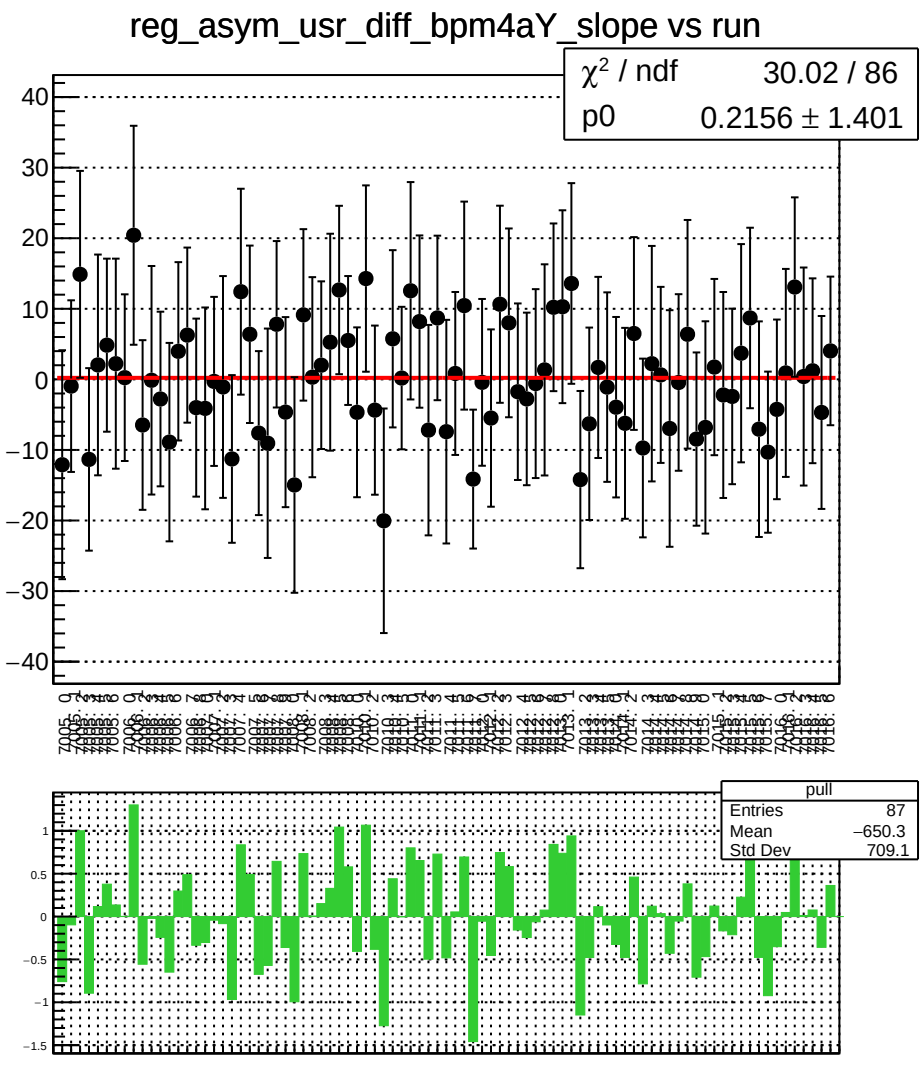

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 45.72 / 86
p0 22.05 ± 1.546
pull
Entries 87
Mean 333.8
Std Dev 278.7

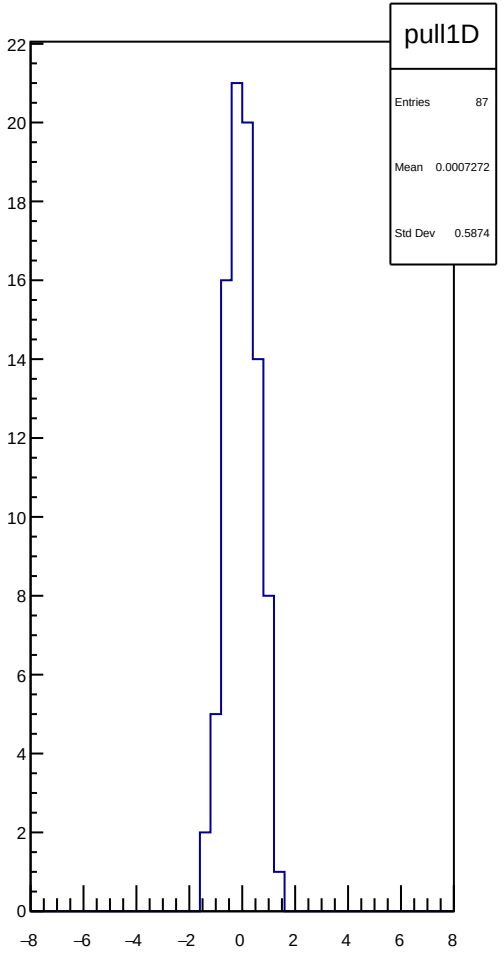

pull1D
Entries 87
Mean 0.01163
Std Dev 0.7248

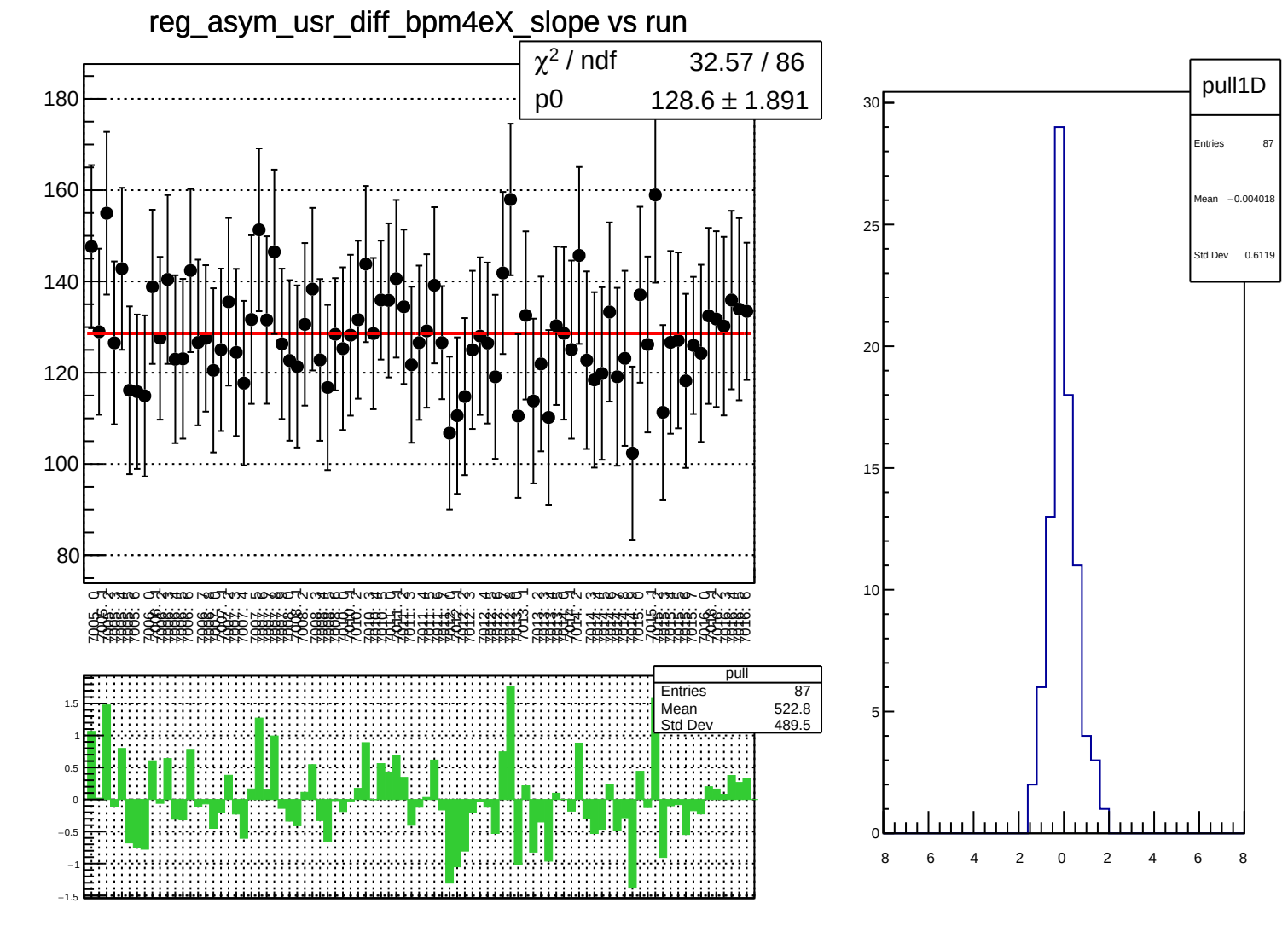

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 83.99 / 86
p0 −41.08 ± 0.07105
pull
Entries 87
Mean 960.8
Std Dev 926.6
pull1D
Entries 87
Mean −0.006285
Std Dev 0.9825

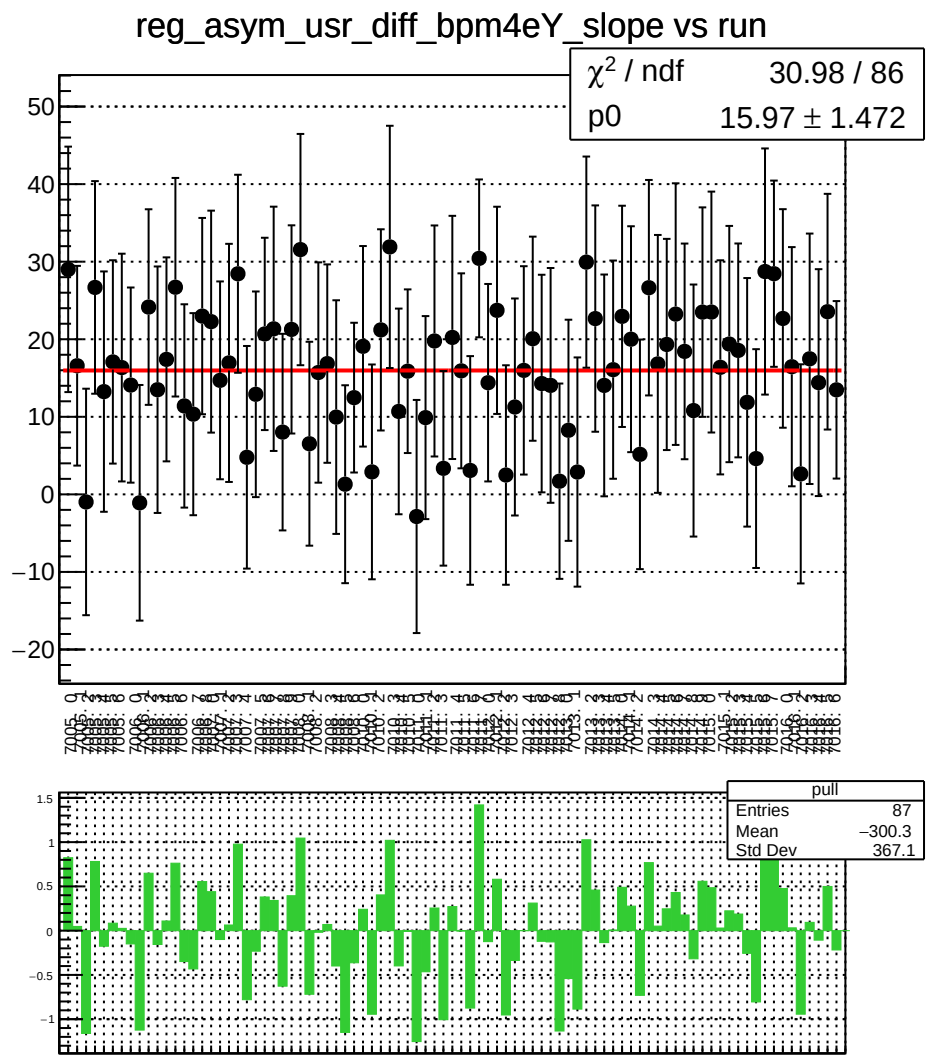

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 33.57 / 86
p0 −73.95 ± 2.039
pull
Entries 87
Mean 431
Std Dev 396.9

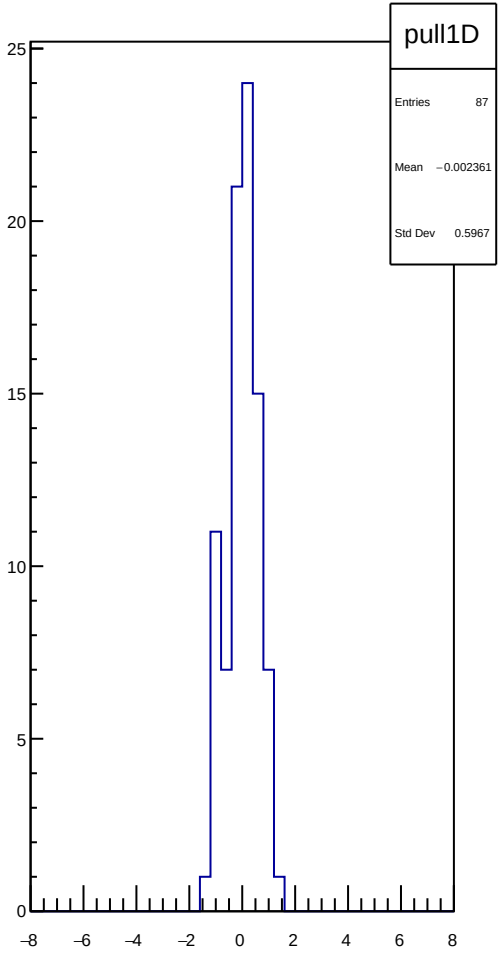

pull1D
Entries 87
Mean 0.004914
Std Dev 0.6211

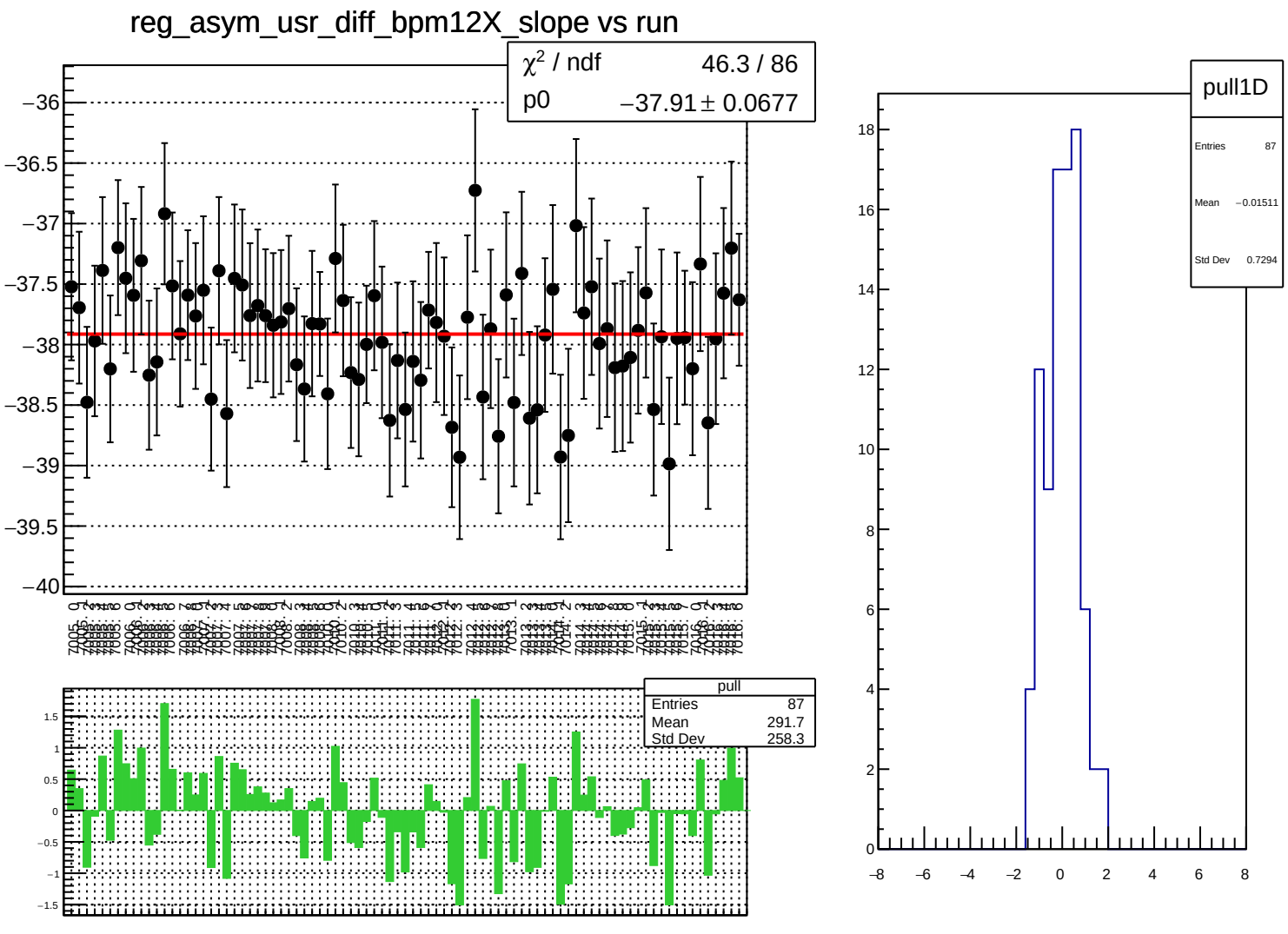

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 30.02 / 86
p0 0.2156 ± 1.401
pull
Entries 87
Mean −650.3
Std Dev 709.1

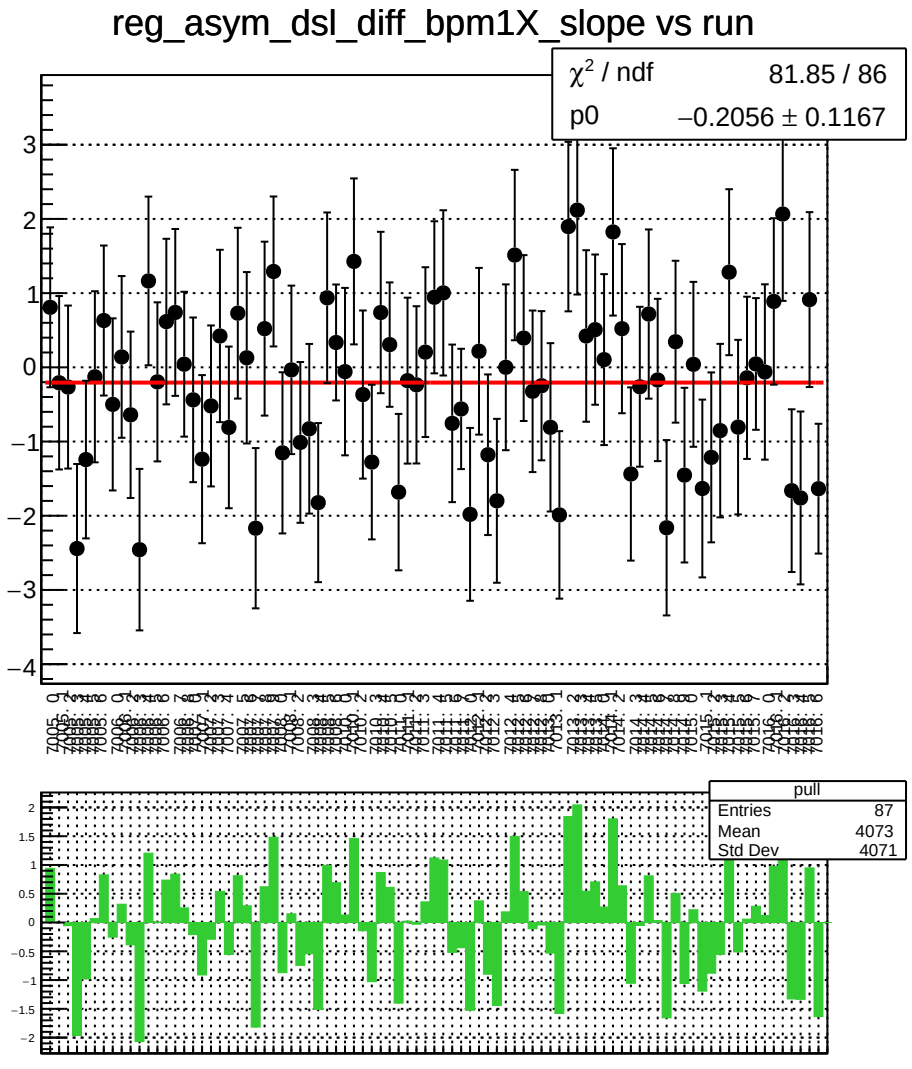

pull1D
Entries 87
Mean 0.0007272
Std Dev 0.5874

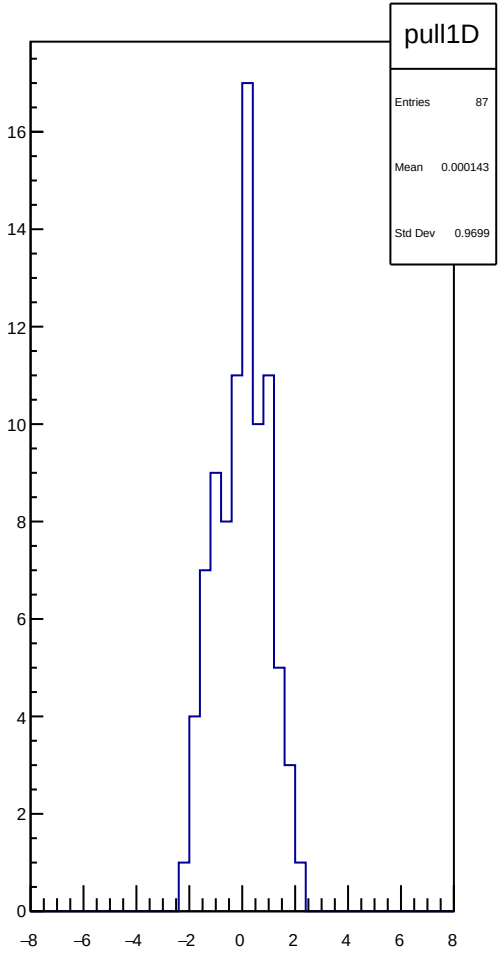

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 32.57 / 86
p0 128.6 ± 1.891
180
160
140
120
100
80
pull
Entries 87
Mean 522.8
Std Dev 489.5
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.004018
Std Dev 0.6119
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

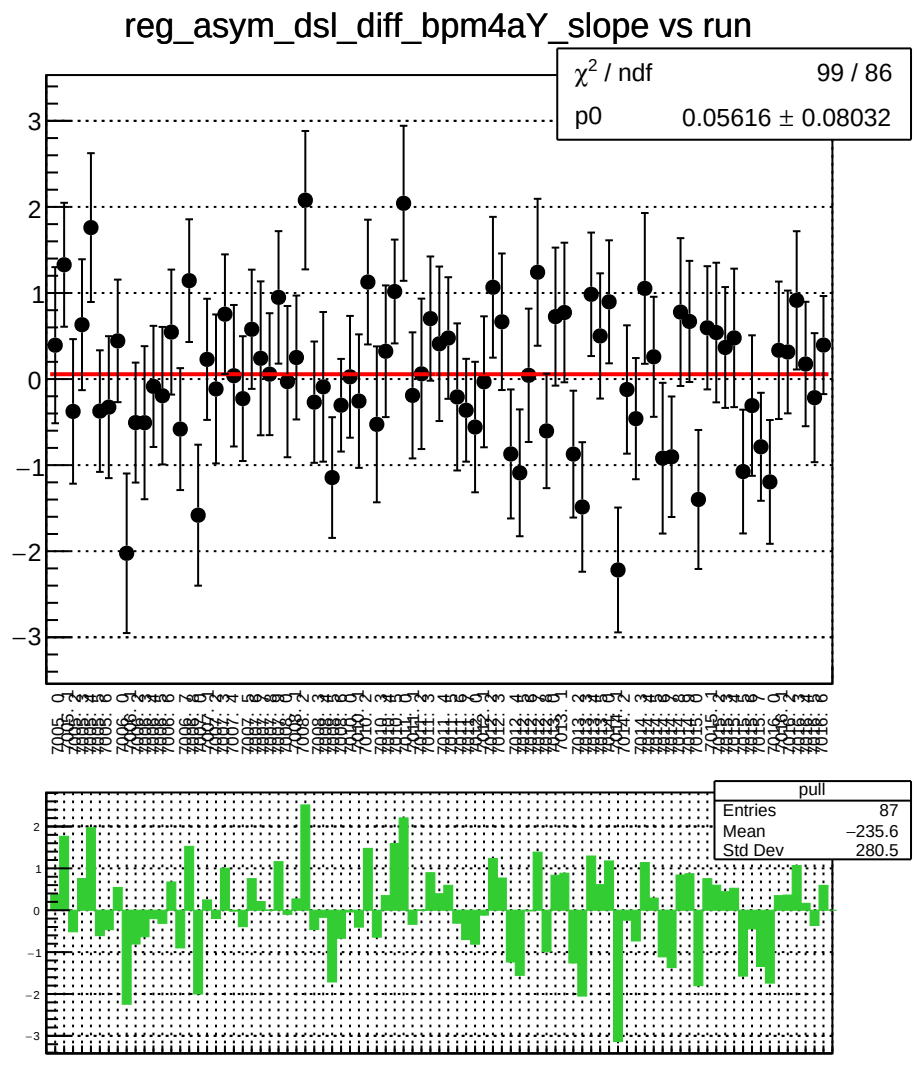

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 30.98 / 86
p0 15.97 ± 1.472
pull
Entries 87
Mean −300.3
Std Dev 367.1

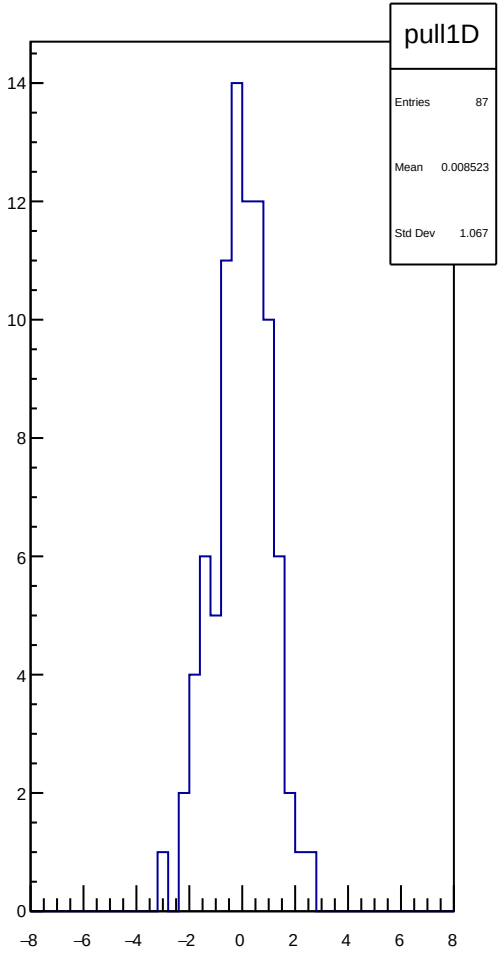

pull1D
Entries 87
Mean −0.002361
Std Dev 0.5967

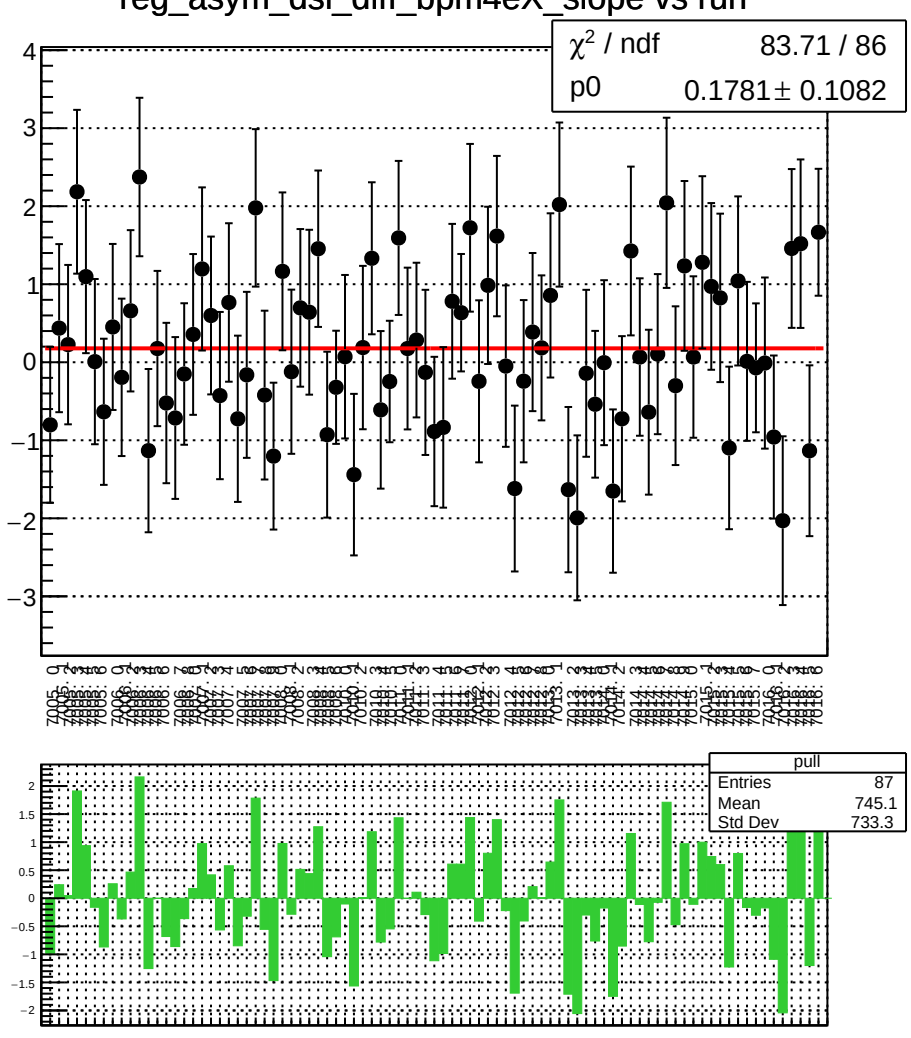

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.3 / 86
p0 −37.91 ± 0.0677
pull
Entries 87
Mean 291.7
Std Dev 258.3
pull1D
Entries 87
Mean −0.01511
Std Dev 0.7294

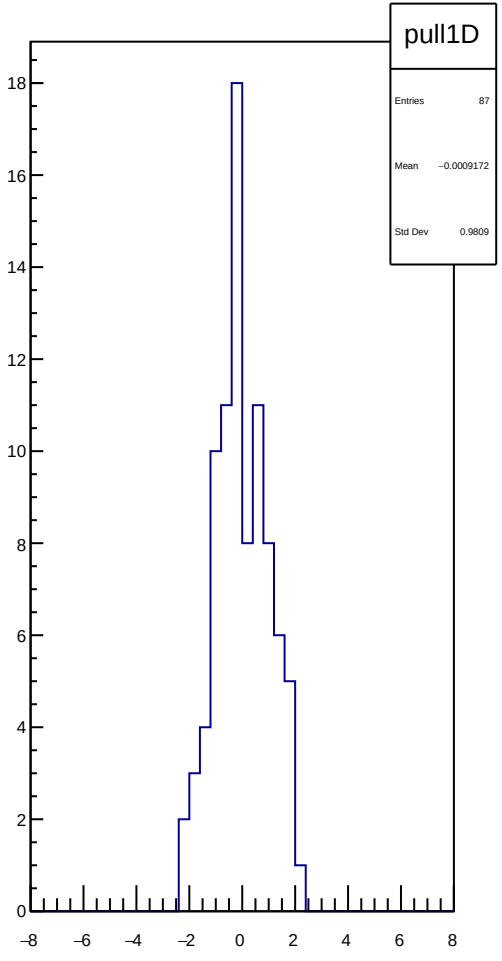

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 81.85 / 86
p0 −0.2056 ± 0.1167
pull
Entries 87
Mean 4073
Std Dev 4071

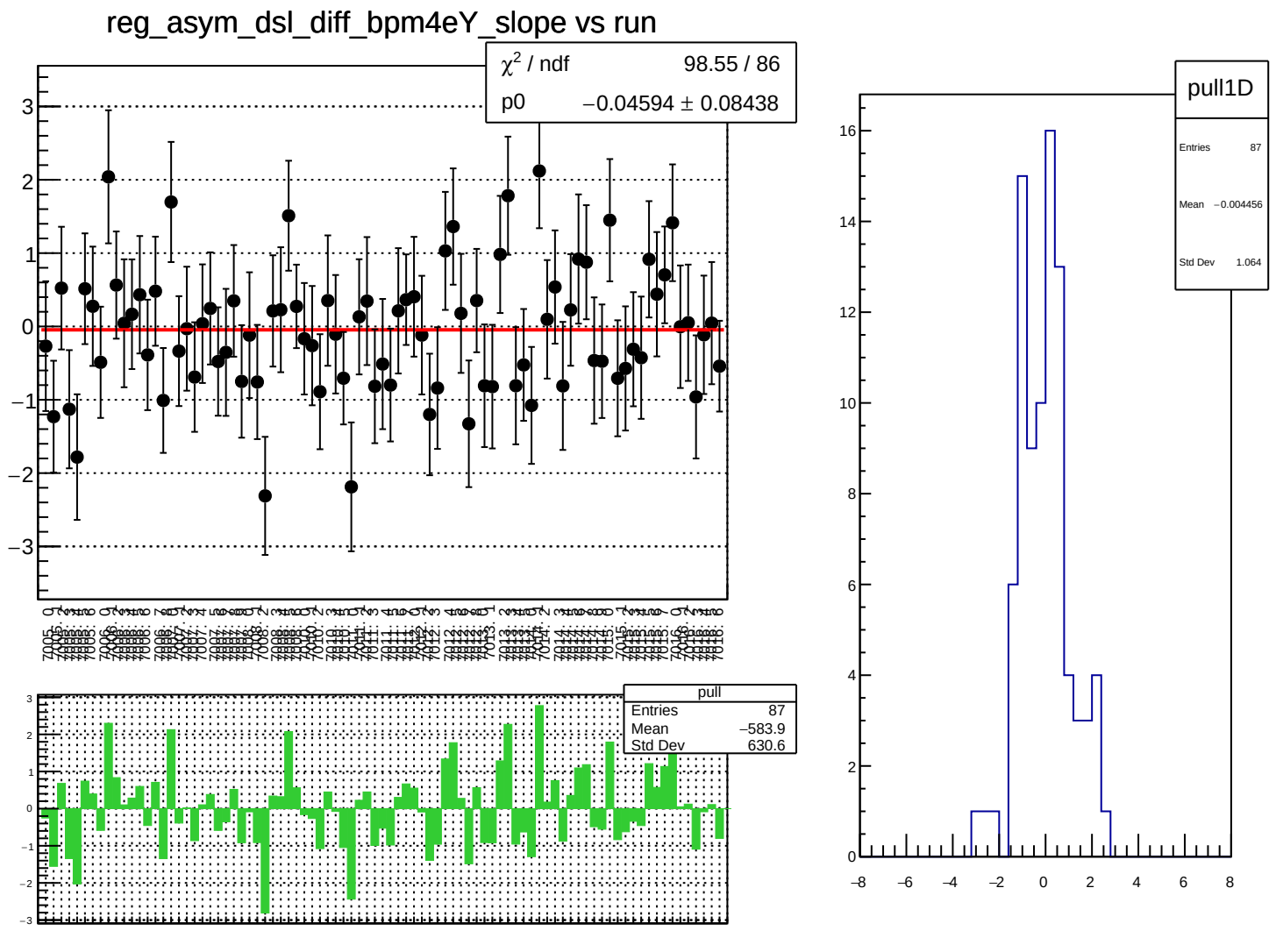

pull1D
Entries 87
Mean 0.000143
Std Dev 0.9699

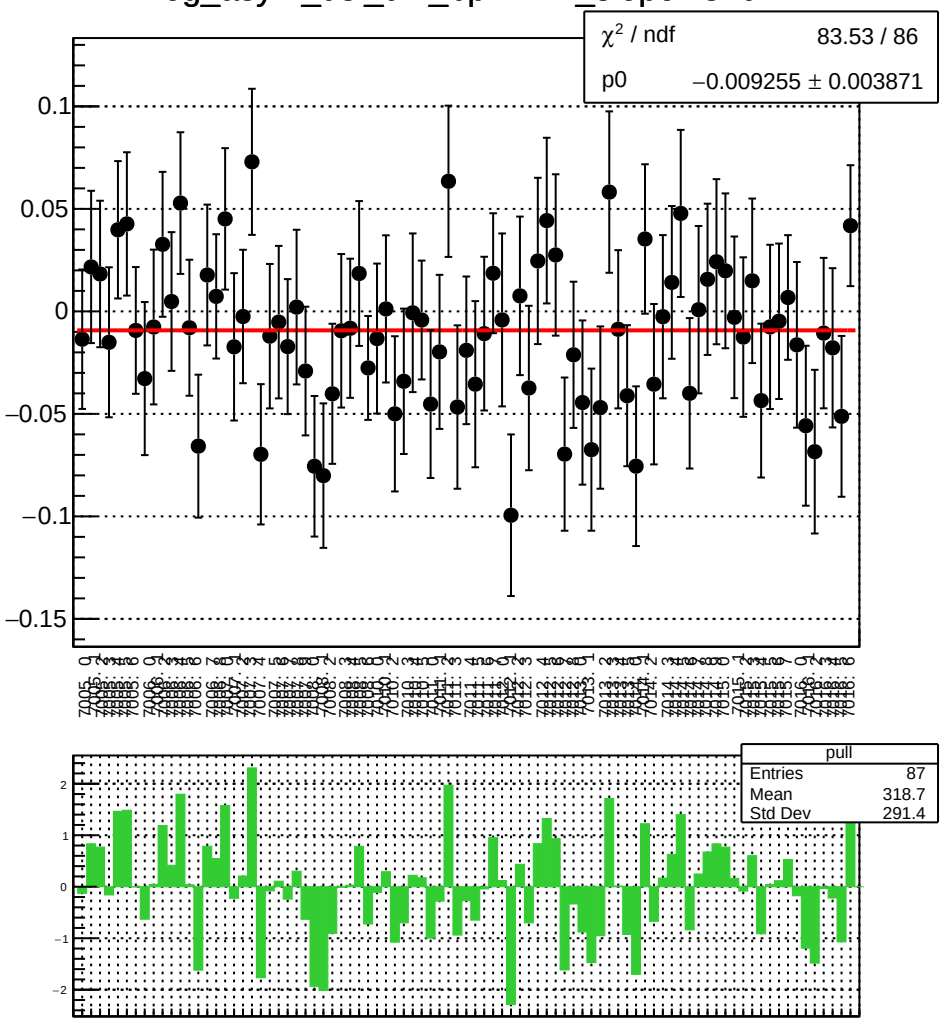

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 99 / 86
p0 0.05616 ± 0.08032
pull
Entries 87
Mean −235.6
Std Dev 280.5

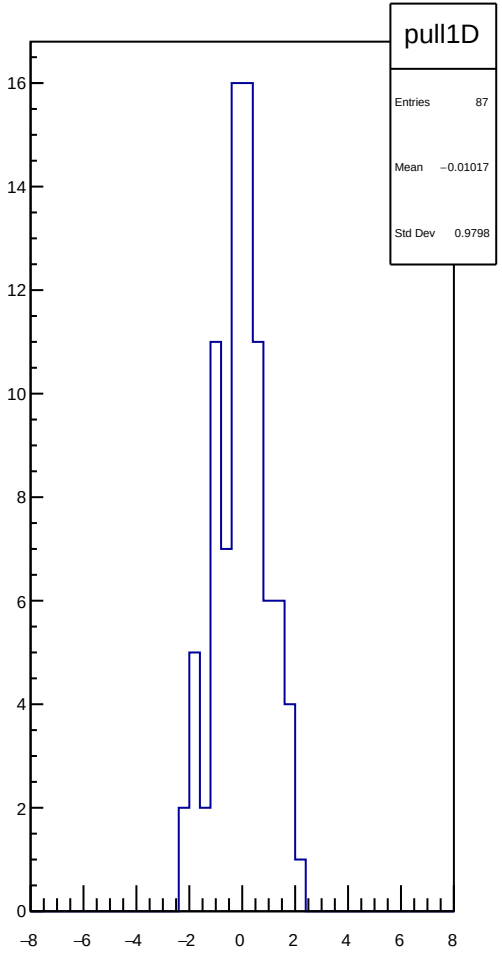

pull1D
Entries 87
Mean 0.008523
Std Dev 1.067

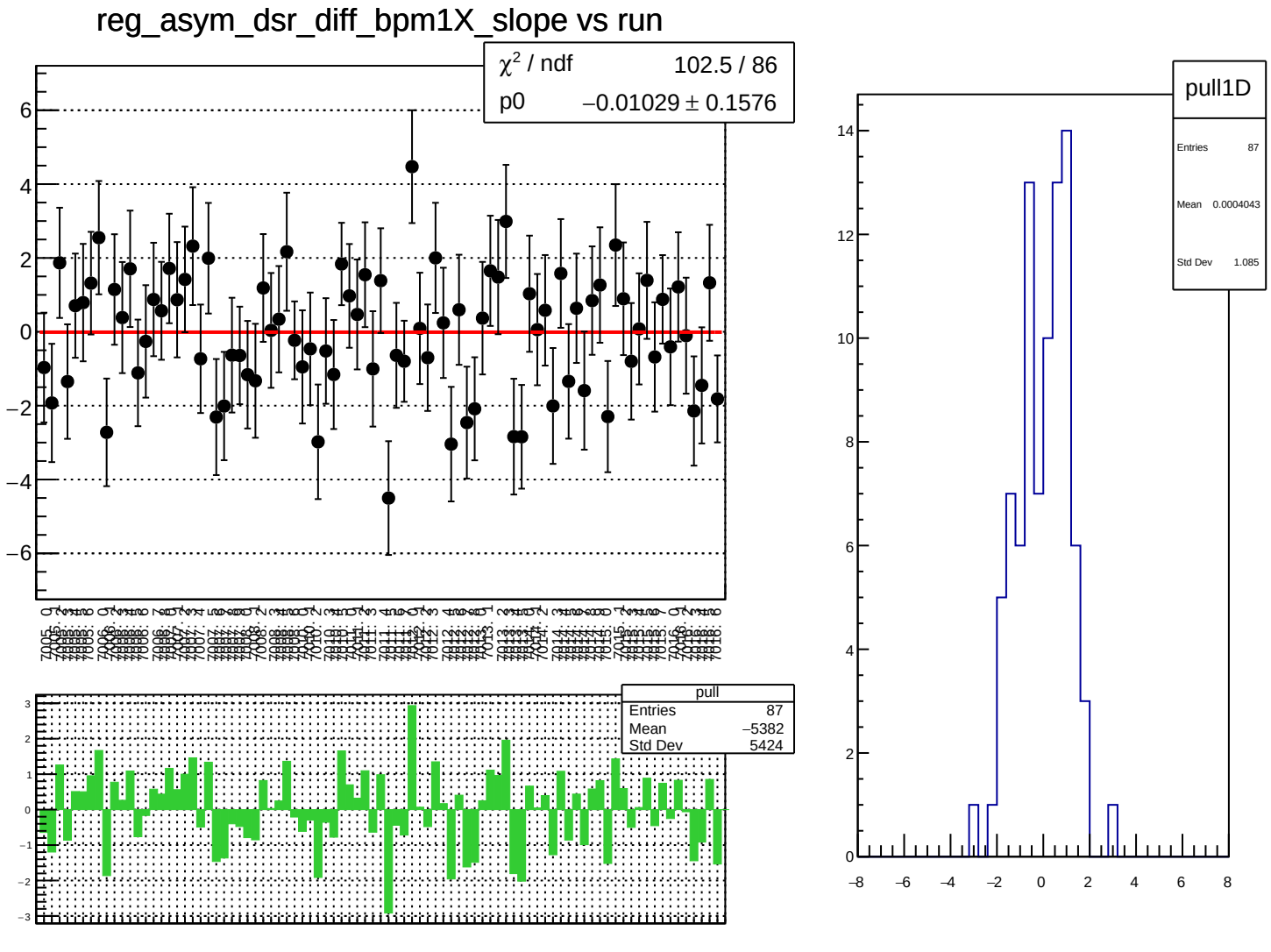

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 83.71 / 86
p0 0.1781 ± 0.1082
pull
Entries 87
Mean 745.1
Std Dev 733.3

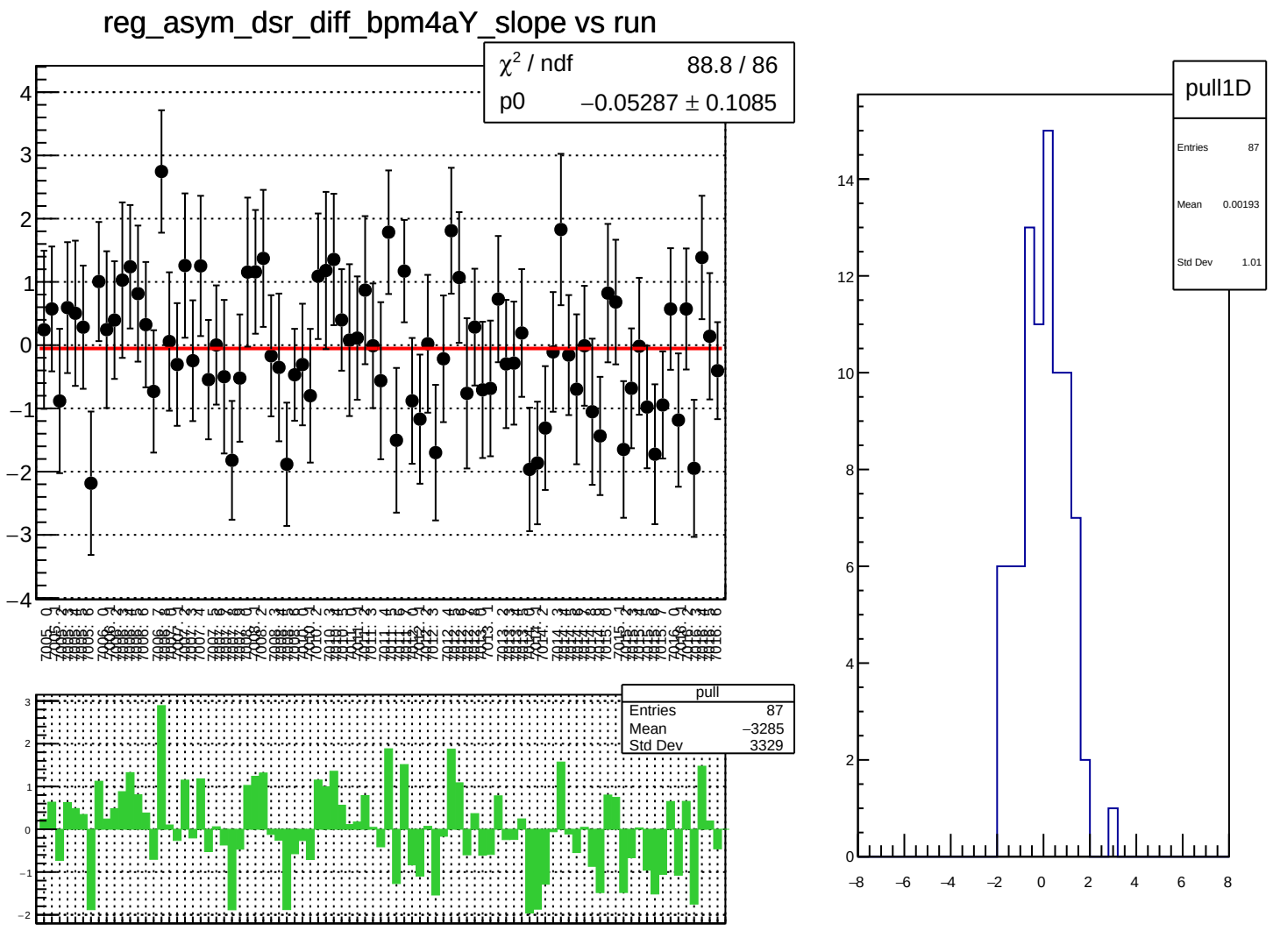

pull1D
Entries 87
Mean −0.0009172
Std Dev 0.9809

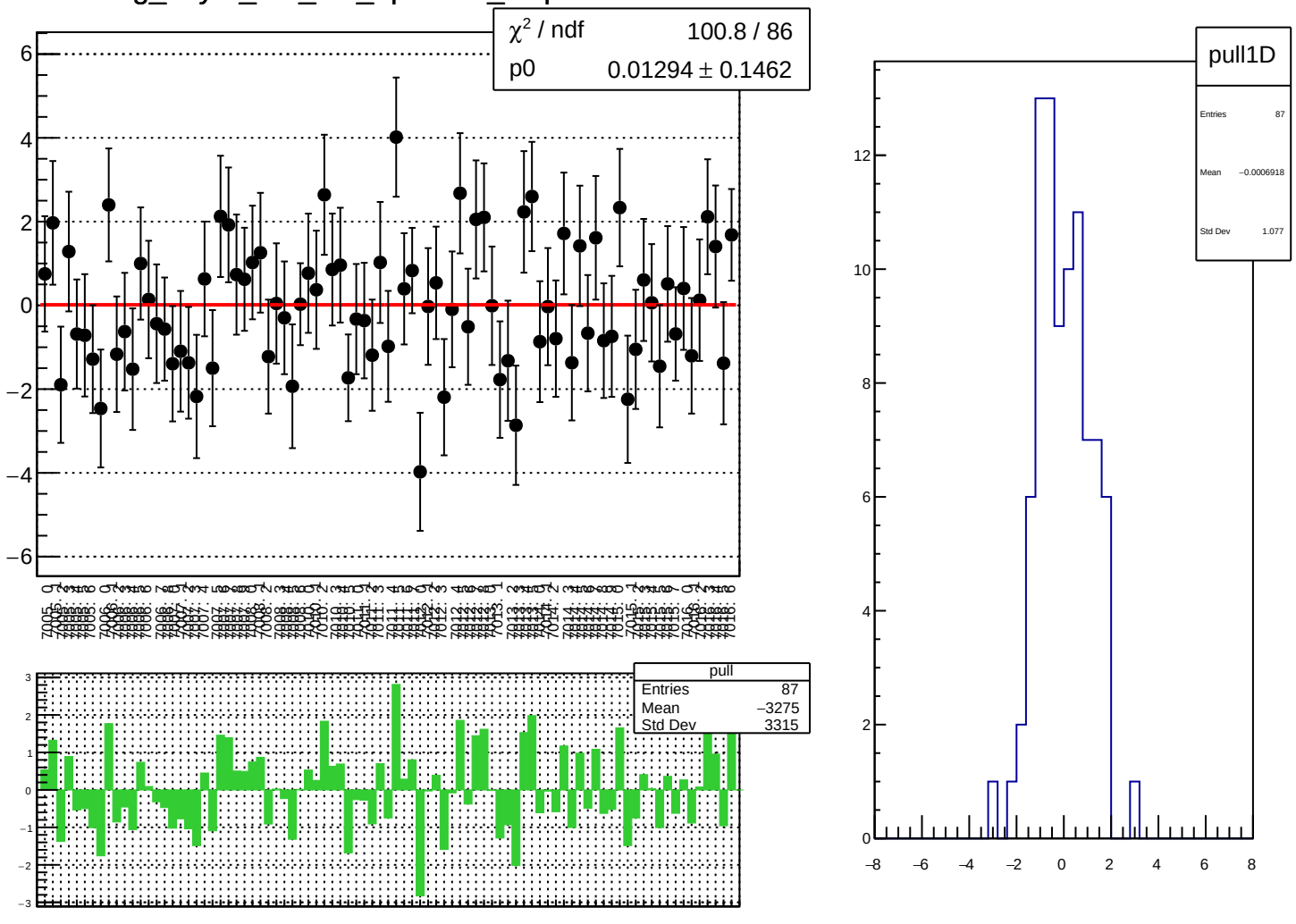

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 98.55 / 86
p0 −0.04594 ± 0.08438
pull
Entries 87
Mean −583.9
Std Dev 630.6
pull1D
Entries 87
Mean −0.004456
Std Dev 1.064

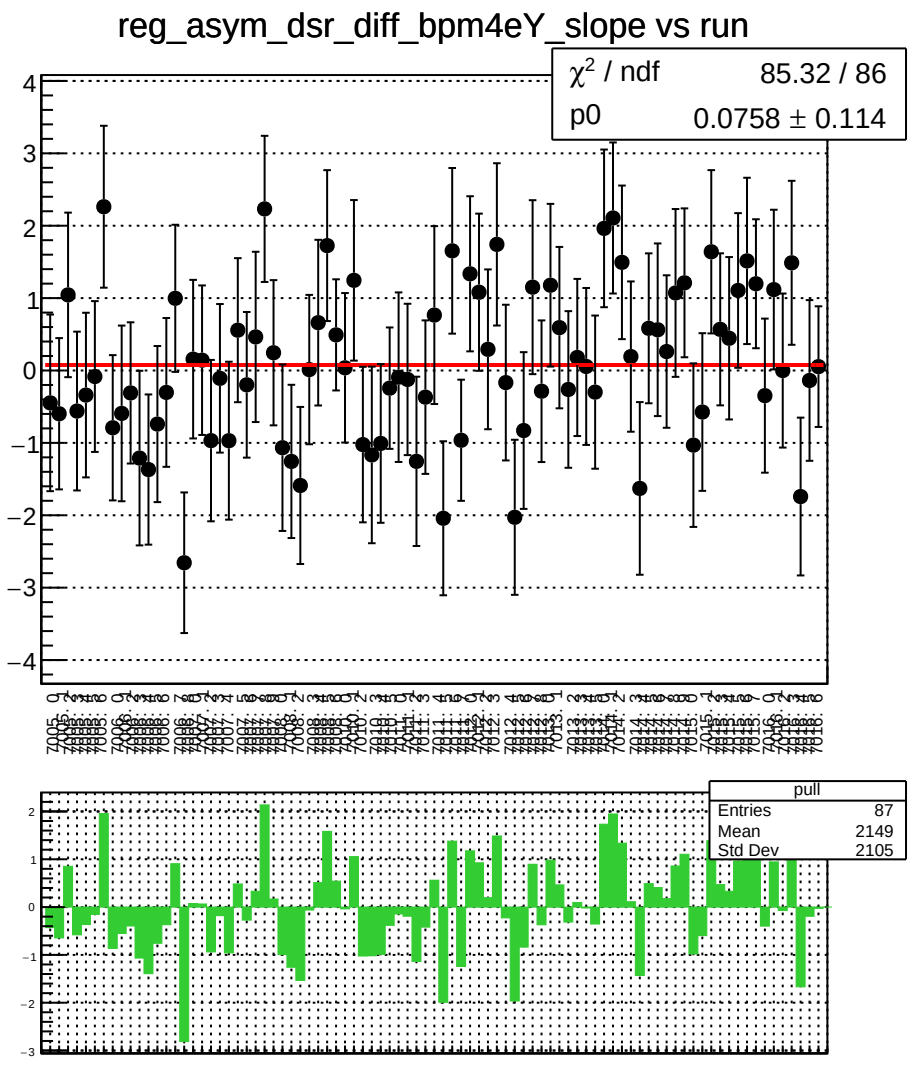

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 83.53 / 86
p0 −0.009255 ± 0.003871
pull
Entries 87
Mean 318.7
Std Dev 291.4

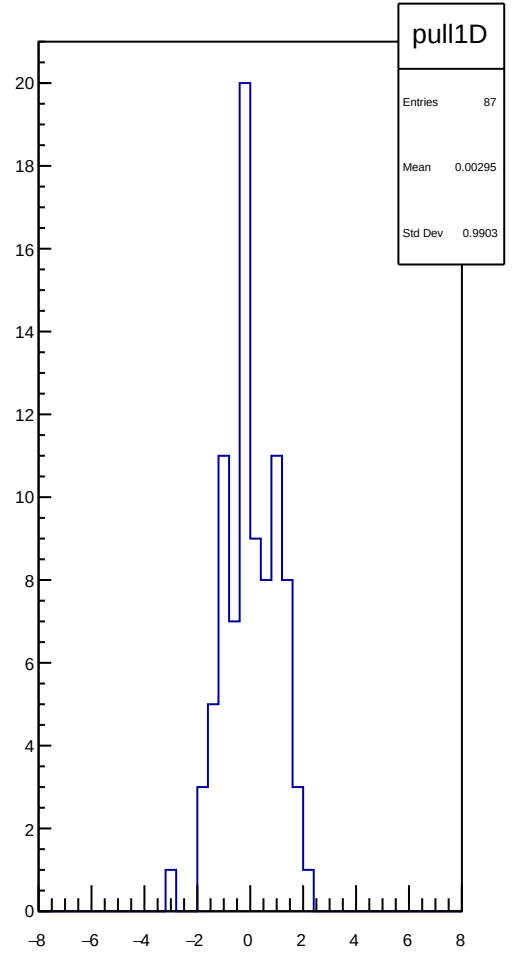

pull1D
Entries 87
Mean −0.01017
Std Dev 0.9798

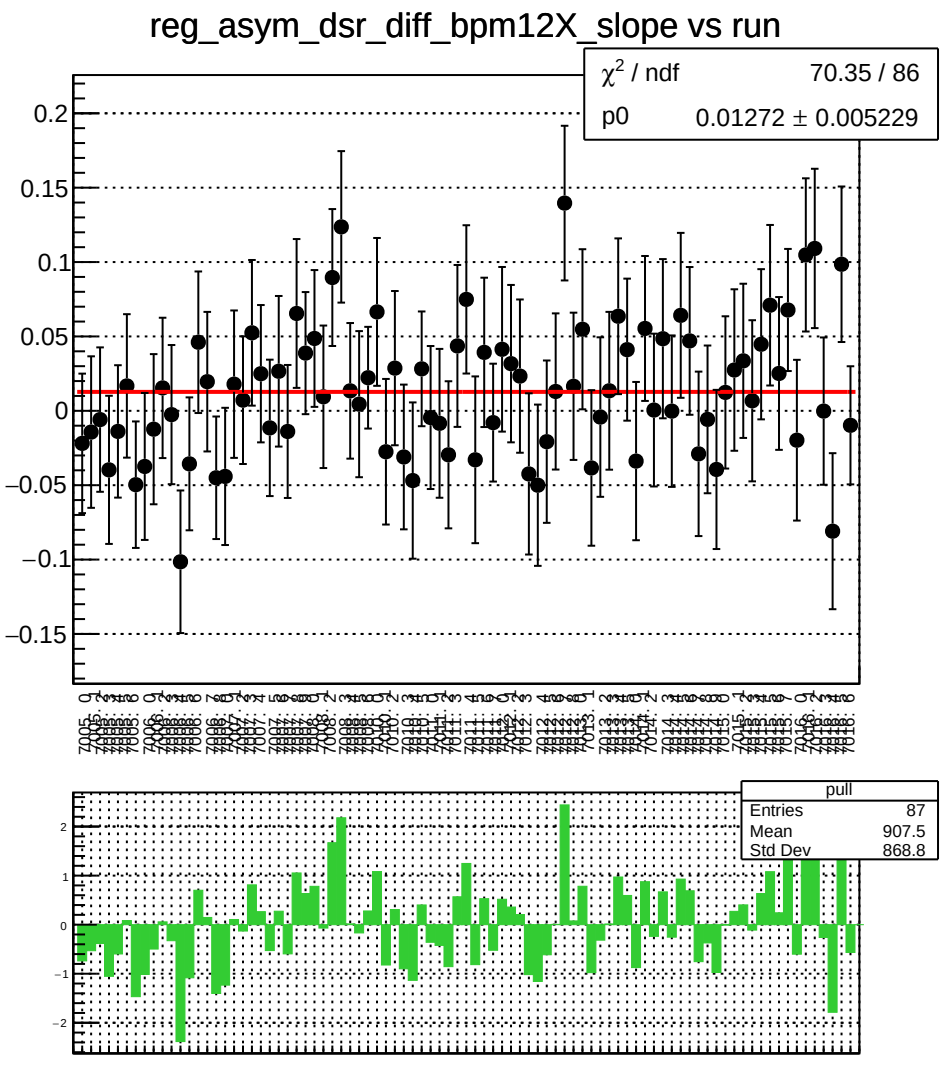

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 102.5 / 86
p0 −0.01029 ± 0.1576
pull
Entries 87
Mean −5382
Std Dev 5424
pull1D
Entries 87
Mean 0.0004043
Std Dev 1.085

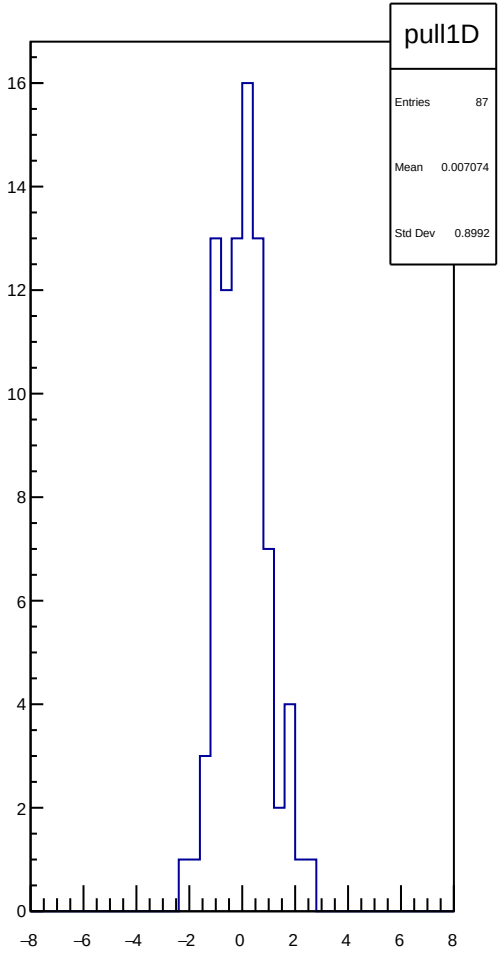

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 88.8 / 86
p0 −0.05287 ± 0.1085
pull
Entries 87
Mean −3285
Std Dev 3329
pull1D
Entries 87
Mean 0.00193
Std Dev 1.01

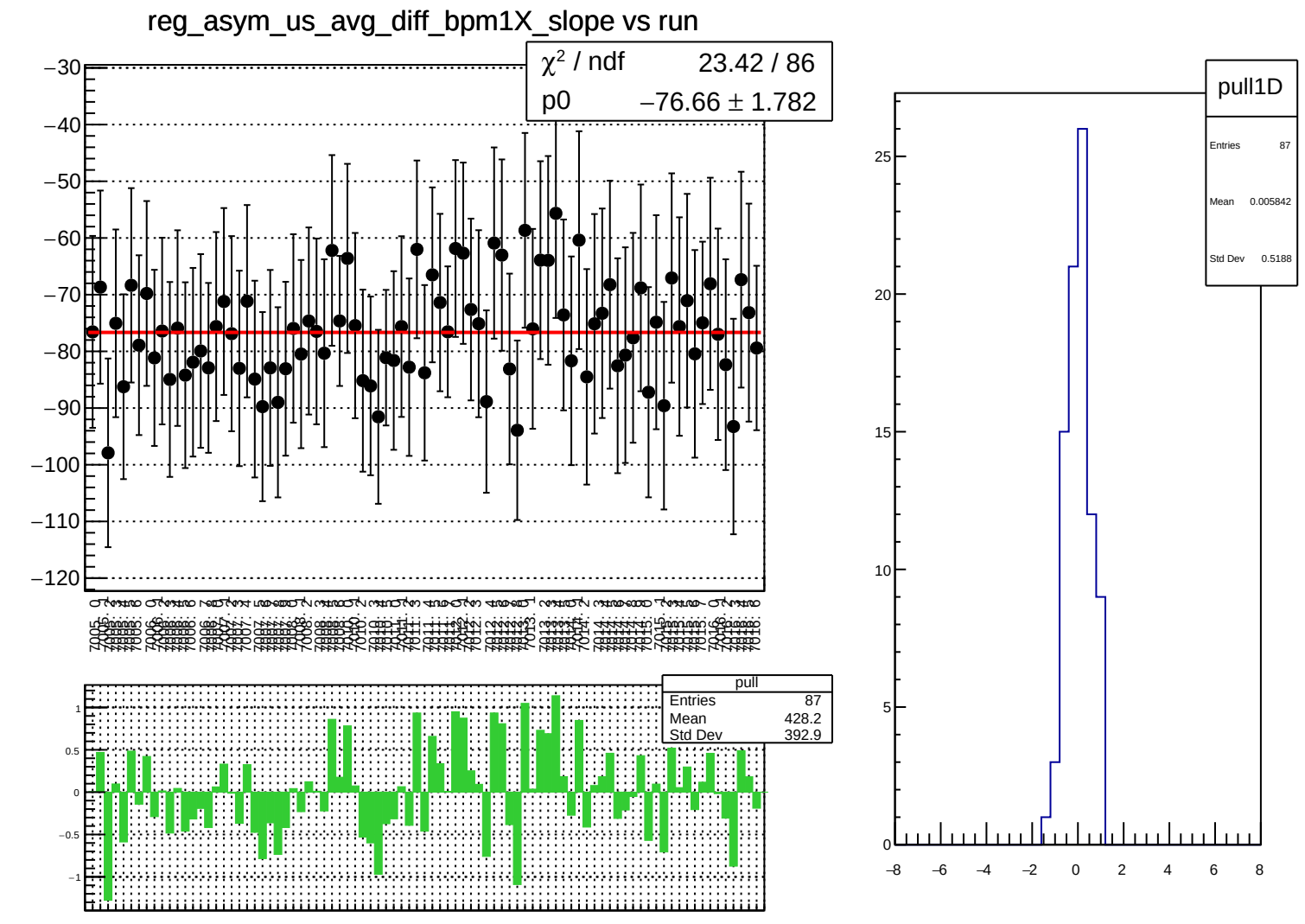

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 100.8 / 86
p0 0.01294 ± 0.1462
pull
Entries 87
Mean −3275
Std Dev 3315
pull1D
Entries 87
Mean −0.0006918
Std Dev 1.077

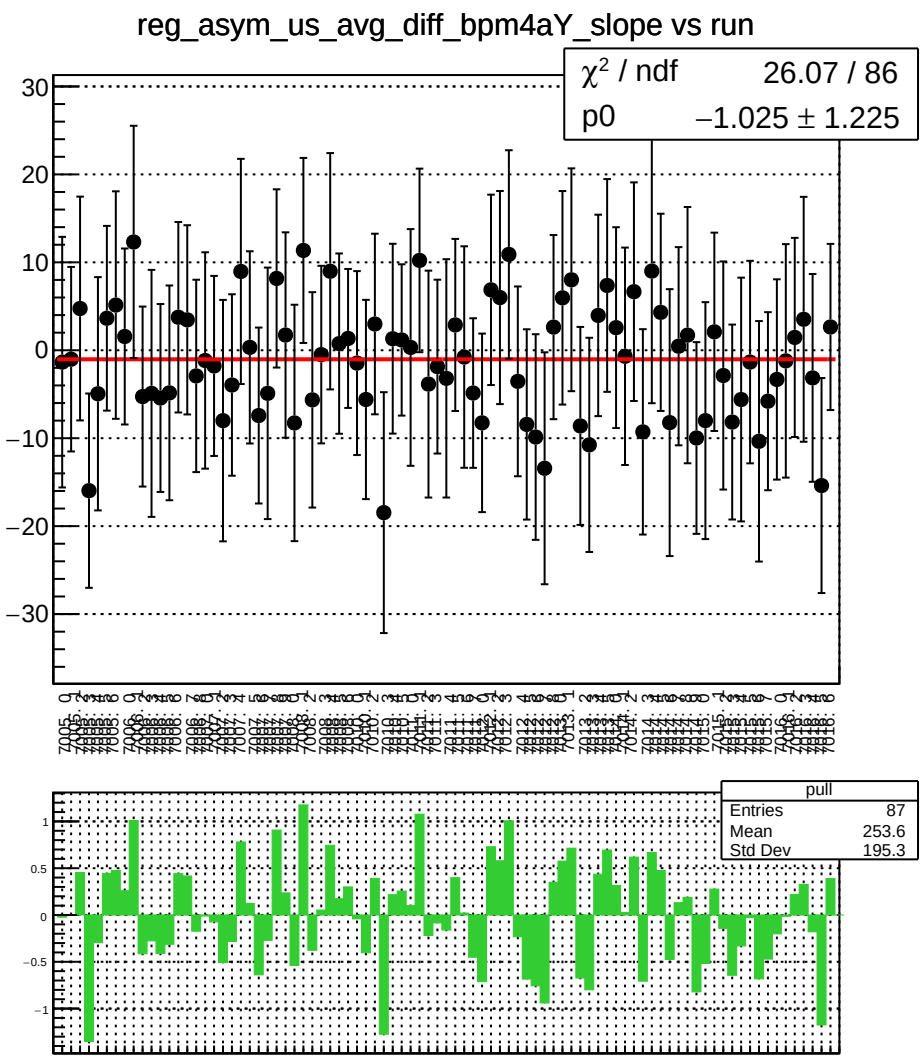

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 85.32 / 86
p0 0.0758 ± 0.114
pull
Entries 87
Mean 2149
Std Dev 2105

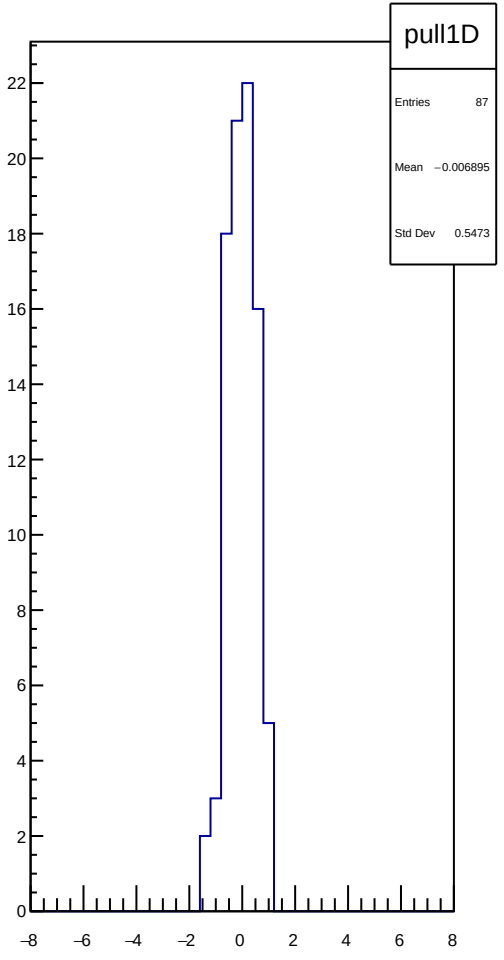

pull1D
Entries 87
Mean 0.00295
Std Dev 0.9903

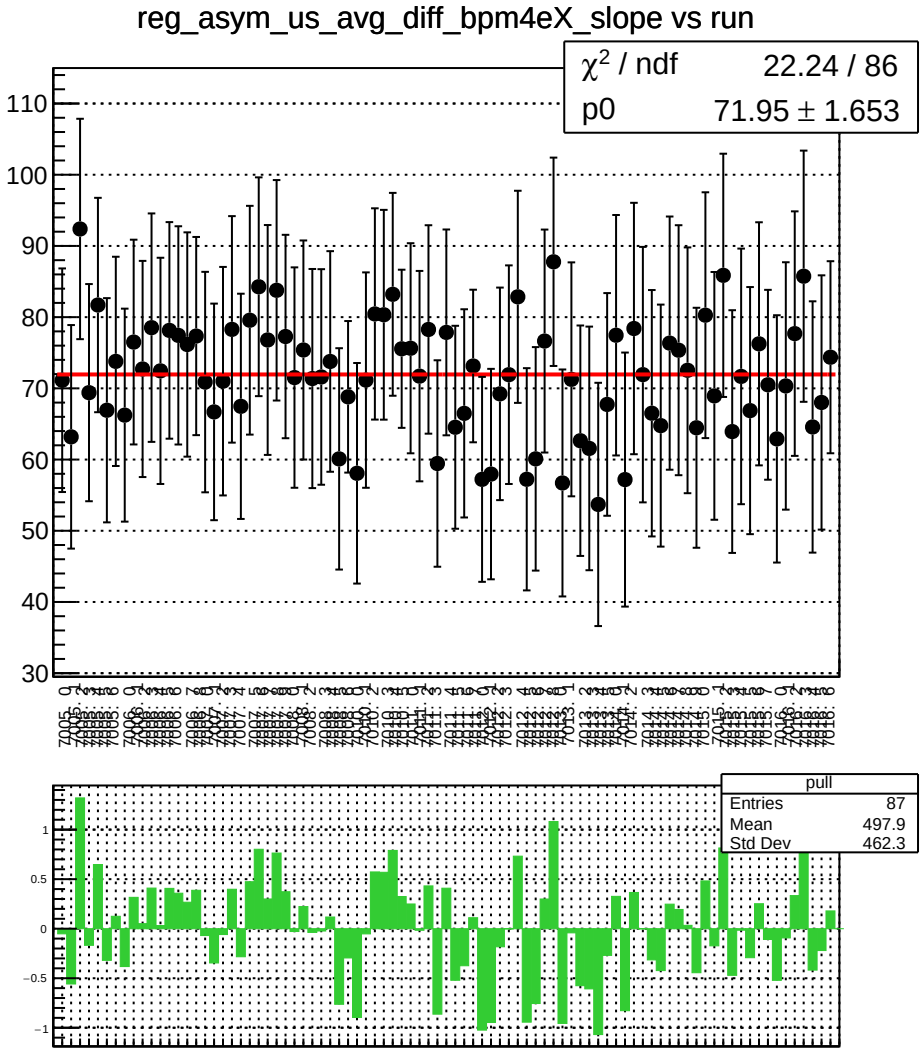

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 70.35 / 86
p0 0.01272 ± 0.005229
pull
Entries 87
Mean 907.5
Std Dev 868.8

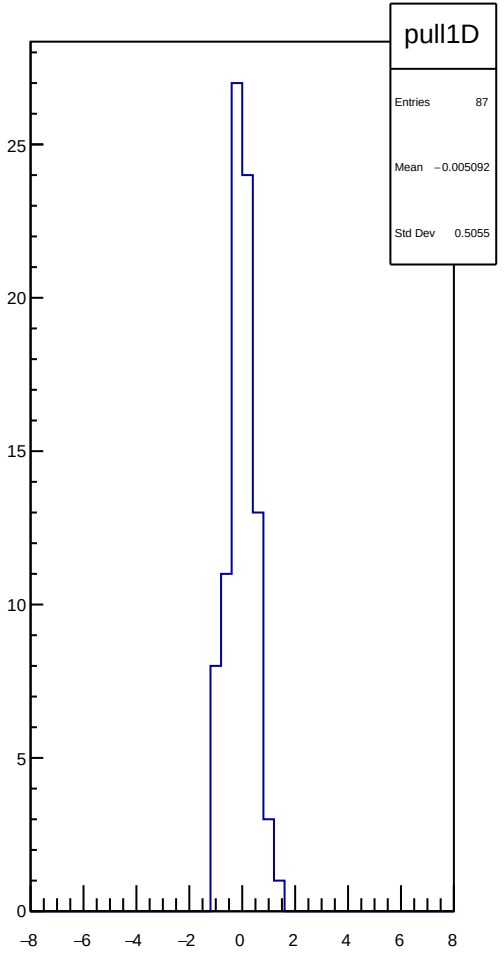

pull1D
Entries 87
Mean 0.007074
Std Dev 0.8992

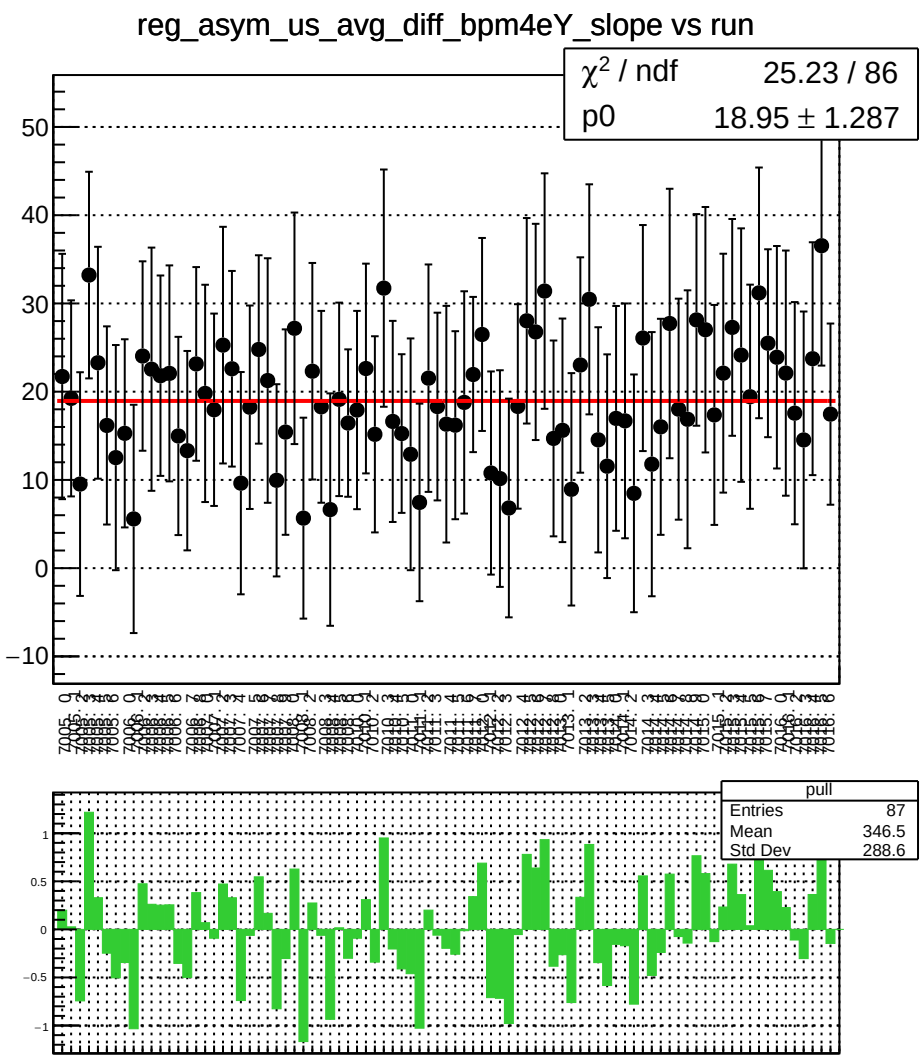

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 23.42 / 86
p0 −76.66 ± 1.782
pull
Entries 87
Mean 428.2
Std Dev 392.9
pull1D
Entries 87
Mean 0.005842
Std Dev 0.5188

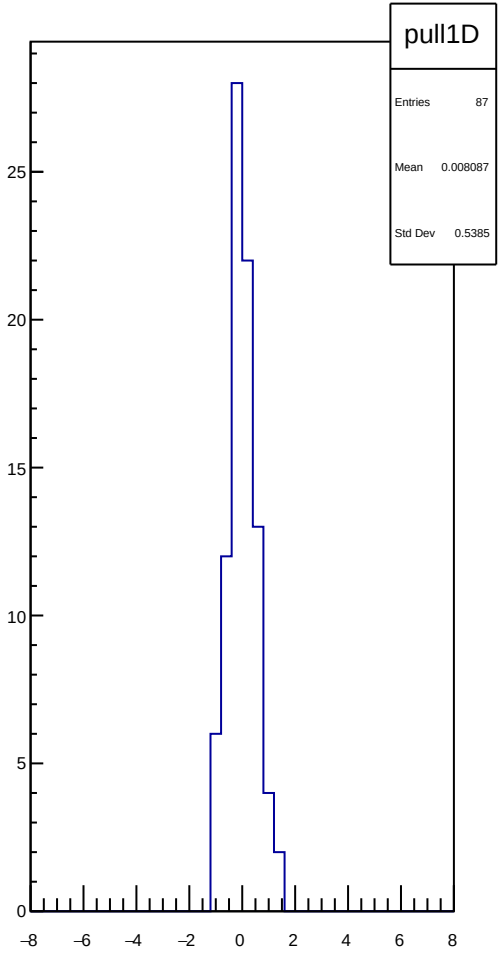

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.07 / 86
p0 −1.025 ± 1.225
pull
Entries 87
Mean 253.6
Std Dev 195.3

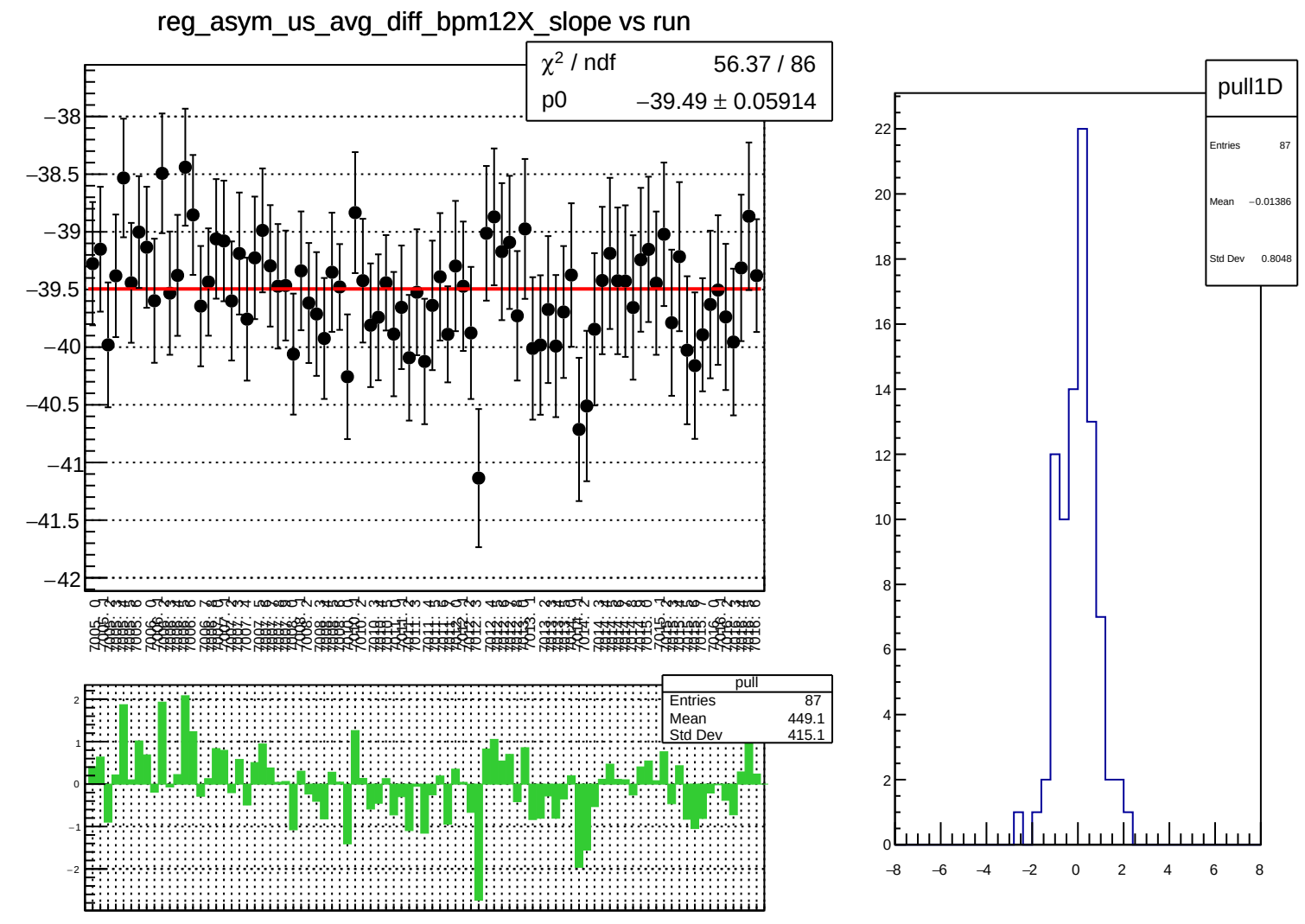

pull1D
Entries 87
Mean −0.006895
Std Dev 0.5473

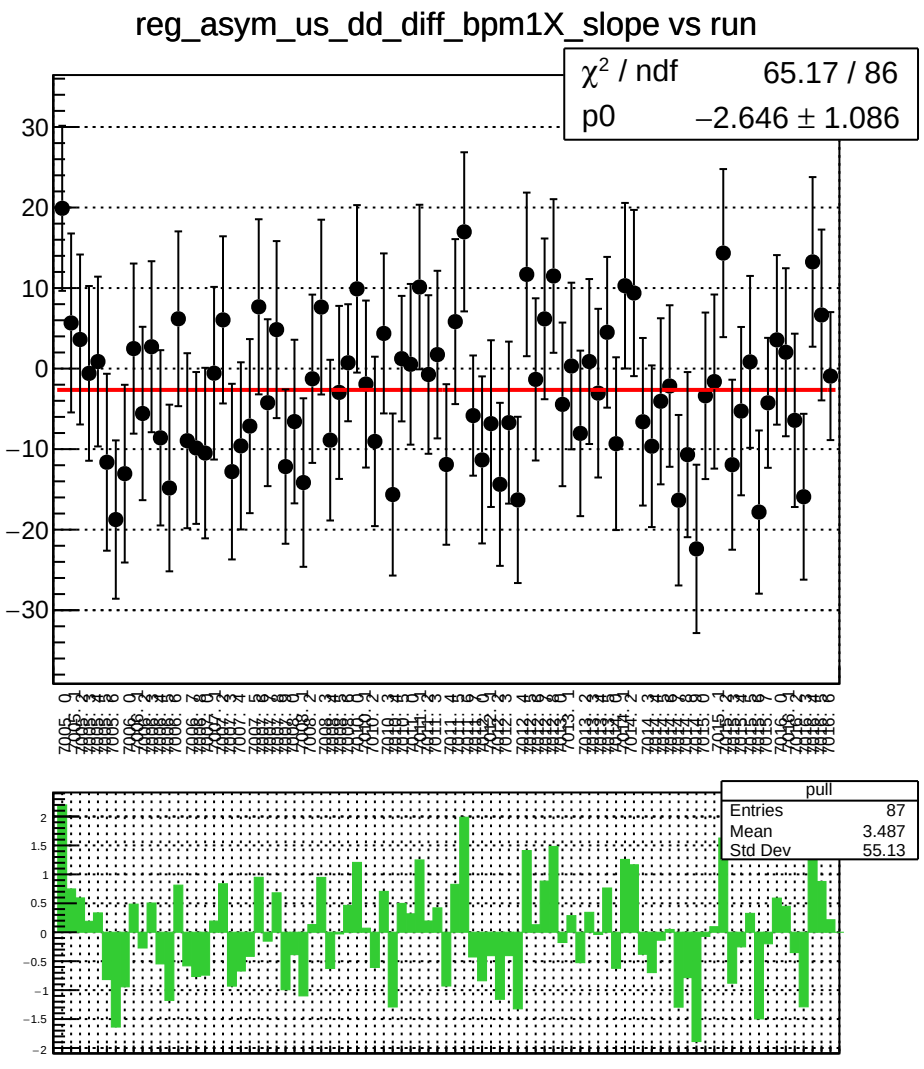

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.24 / 86
p0 71.95 ± 1.653
pull
Entries 87
Mean 497.9
Std Dev 462.3

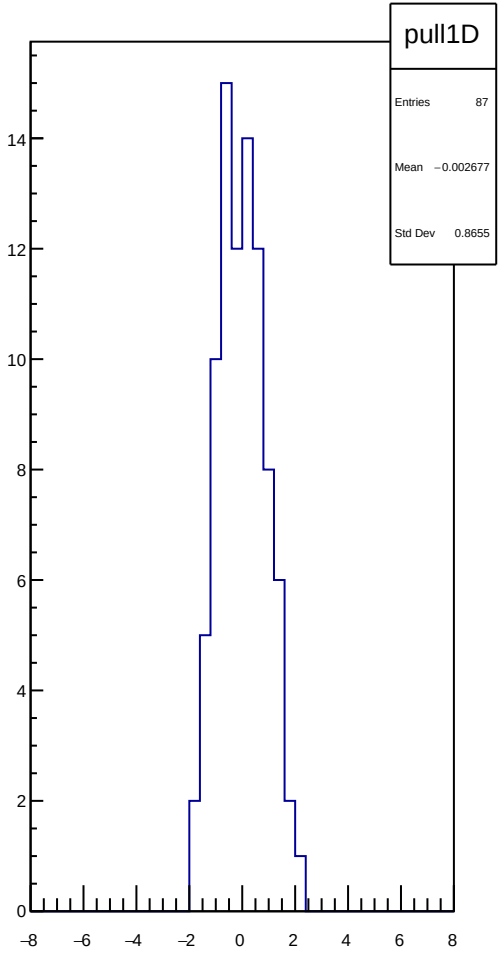

pull1D
Entries 87
Mean −0.005092
Std Dev 0.5055

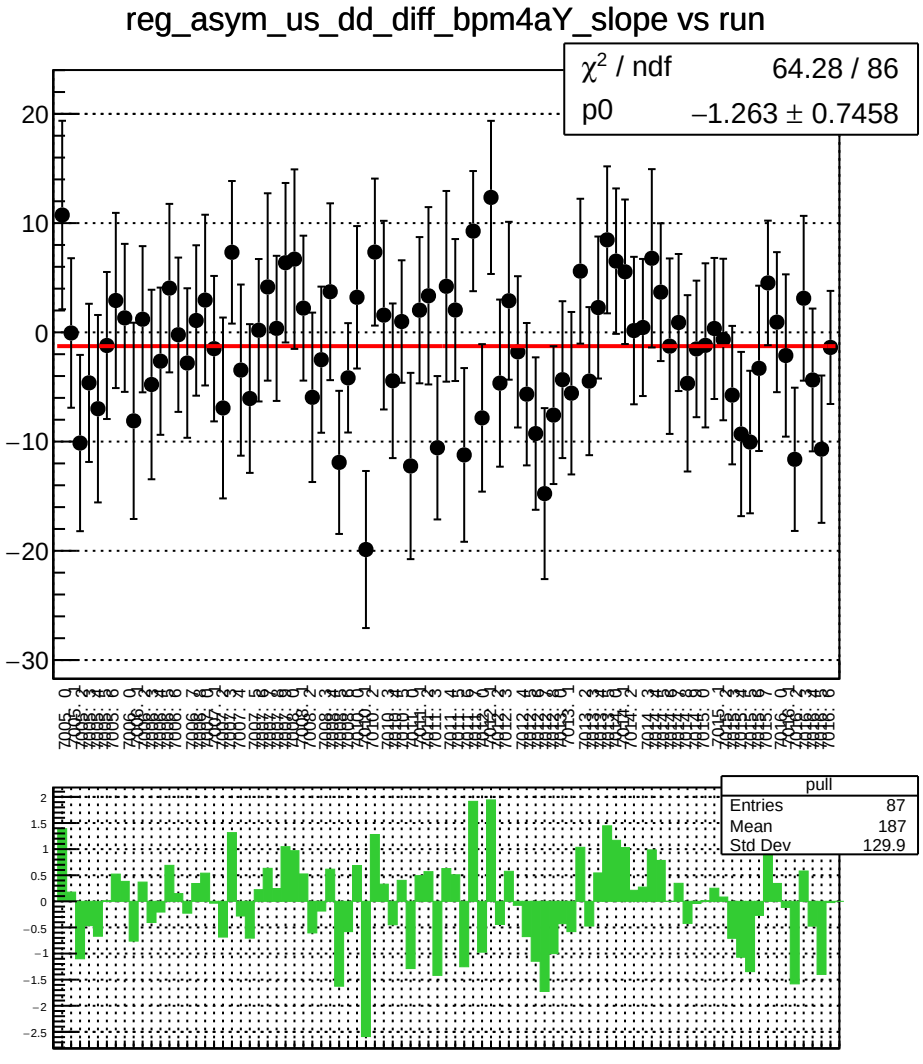

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.23 / 86
p0 18.95 ± 1.287
pull
Entries 87
Mean 346.5
Std Dev 288.6

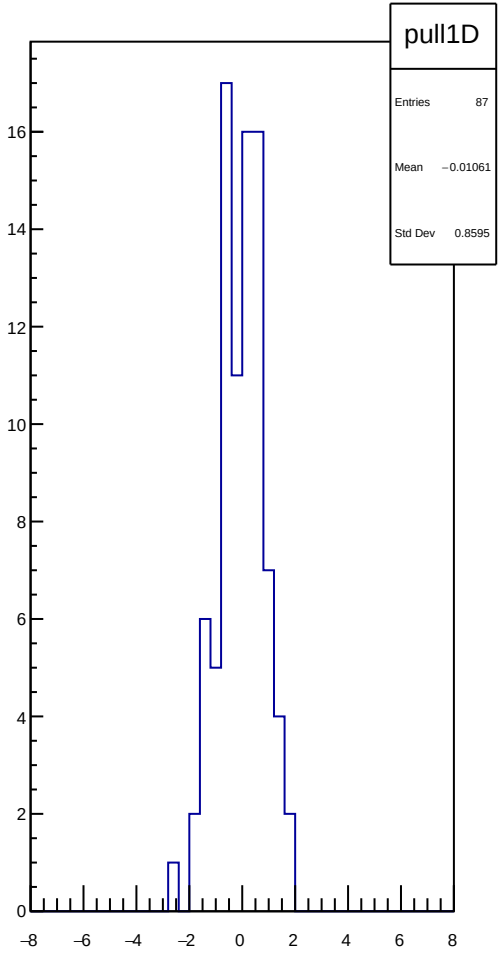

pull1D
Entries 87
Mean 0.008087
Std Dev 0.5385

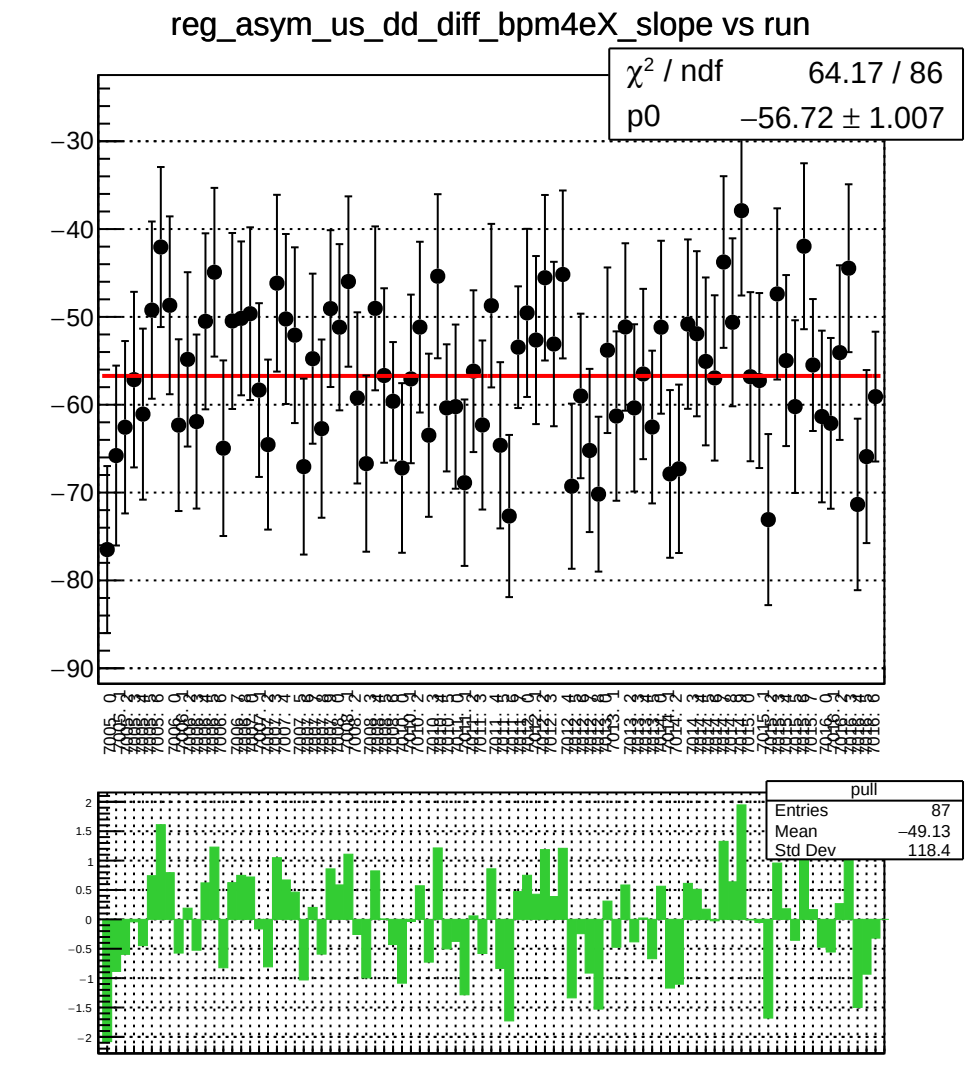

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.37 / 86
p0 −39.49 ± 0.05914
−38
−38.5
−39
−39.5
−40
−40.5
−41
−41.5
−42
pull
Entries 87
Mean 449.1
Std Dev 415.1
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01386
Std Dev 0.8048
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

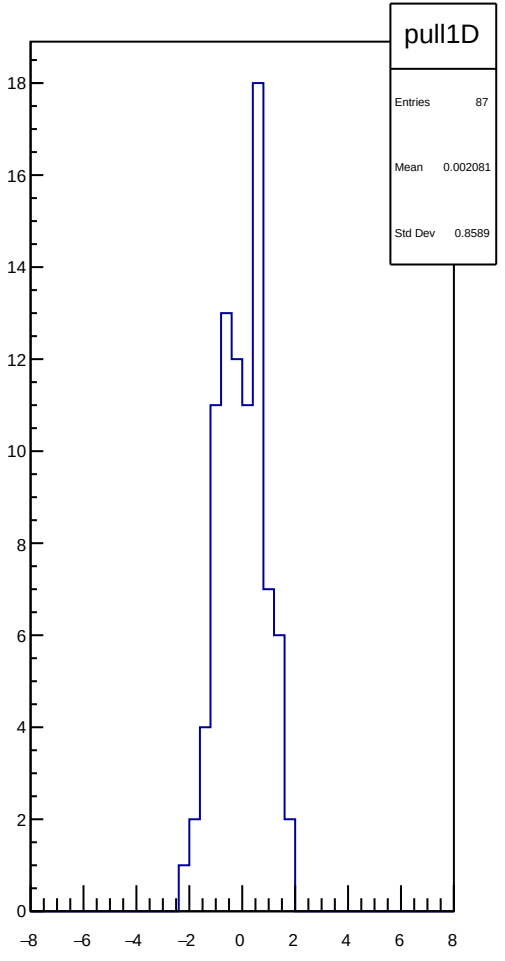

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 65.17 / 86
p0 −2.646 ± 1.086
pull
Entries 87
Mean 3.487
Std Dev 55.13

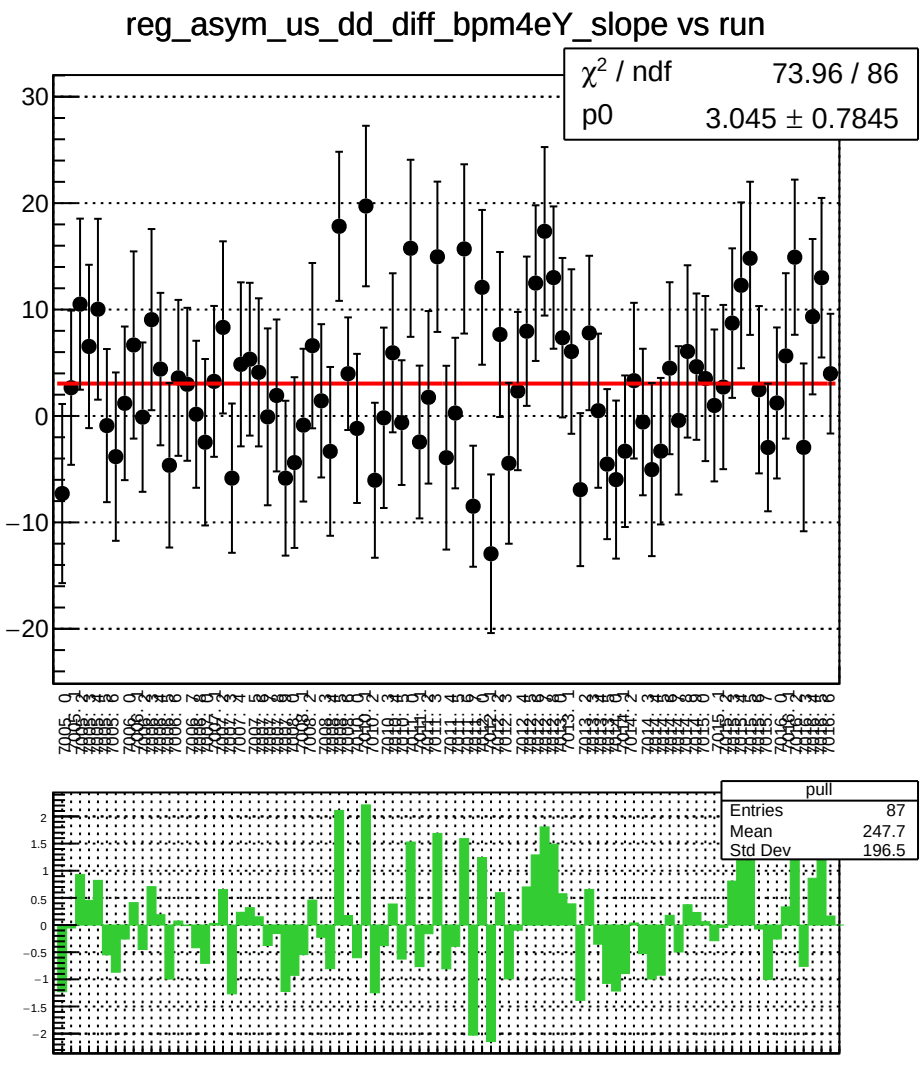

pull1D
Entries 87
Mean −0.002677
Std Dev 0.8655

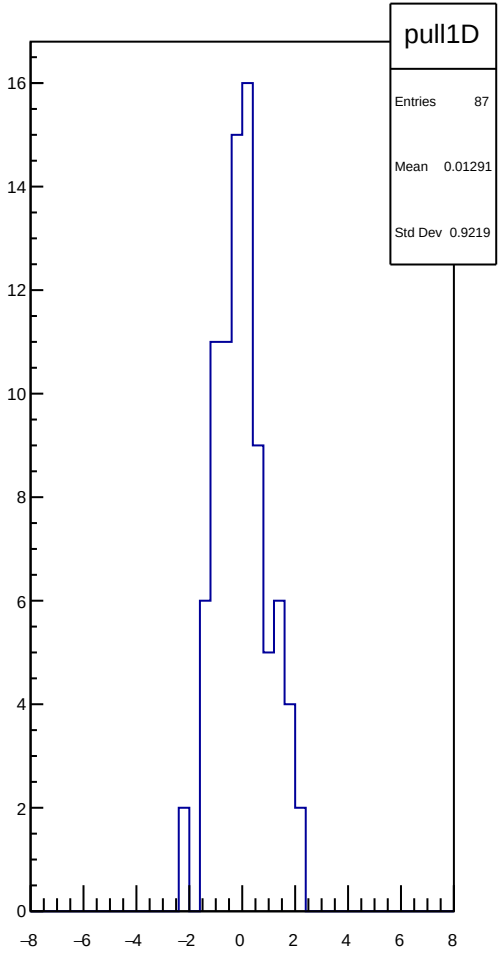

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.28 / 86
p0 −1.263 ± 0.7458
pull
Entries 87
Mean 187
Std Dev 129.9

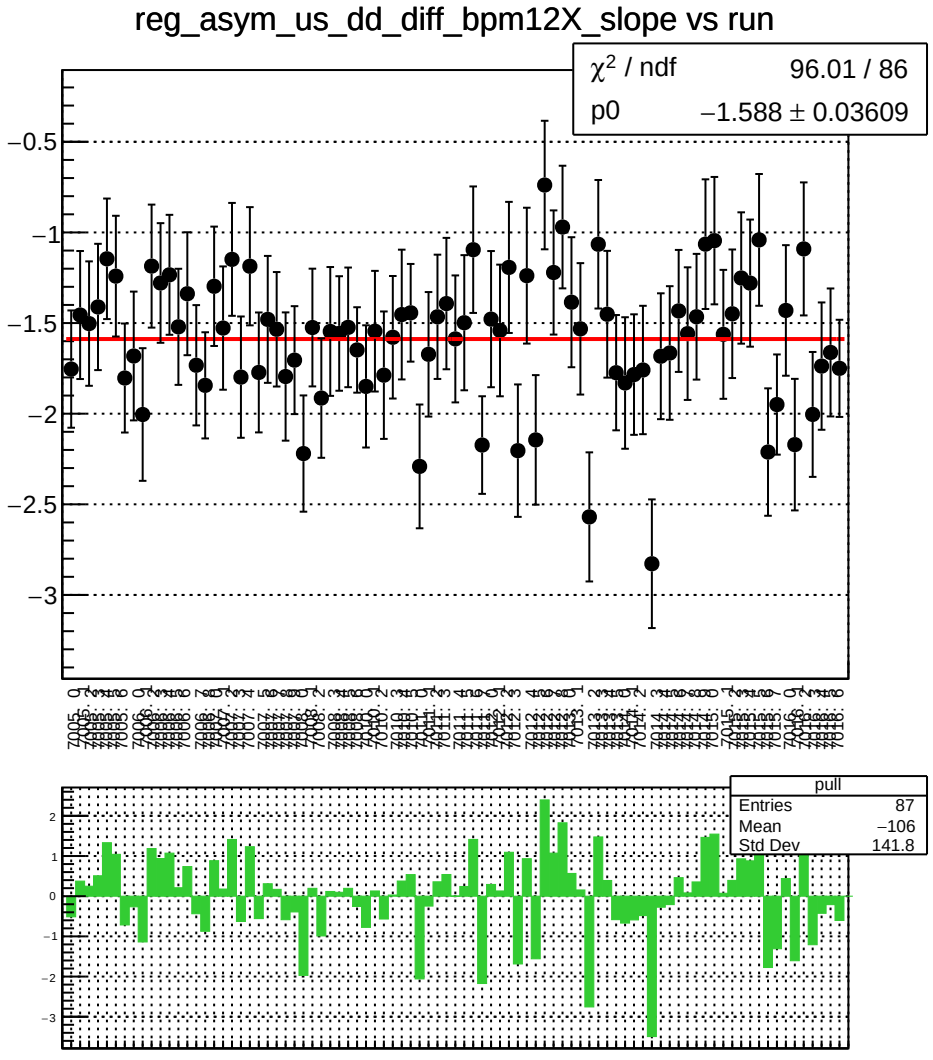

pull1D
Entries 87
Mean −0.01061
Std Dev 0.8595

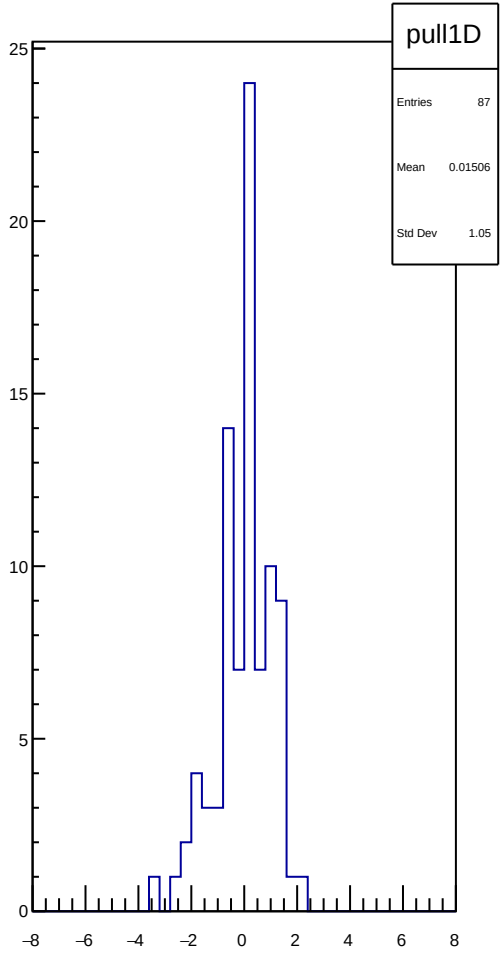

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.17 / 86
p0 −56.72 ± 1.007
pull
Entries 87
Mean −49.13
Std Dev 118.4

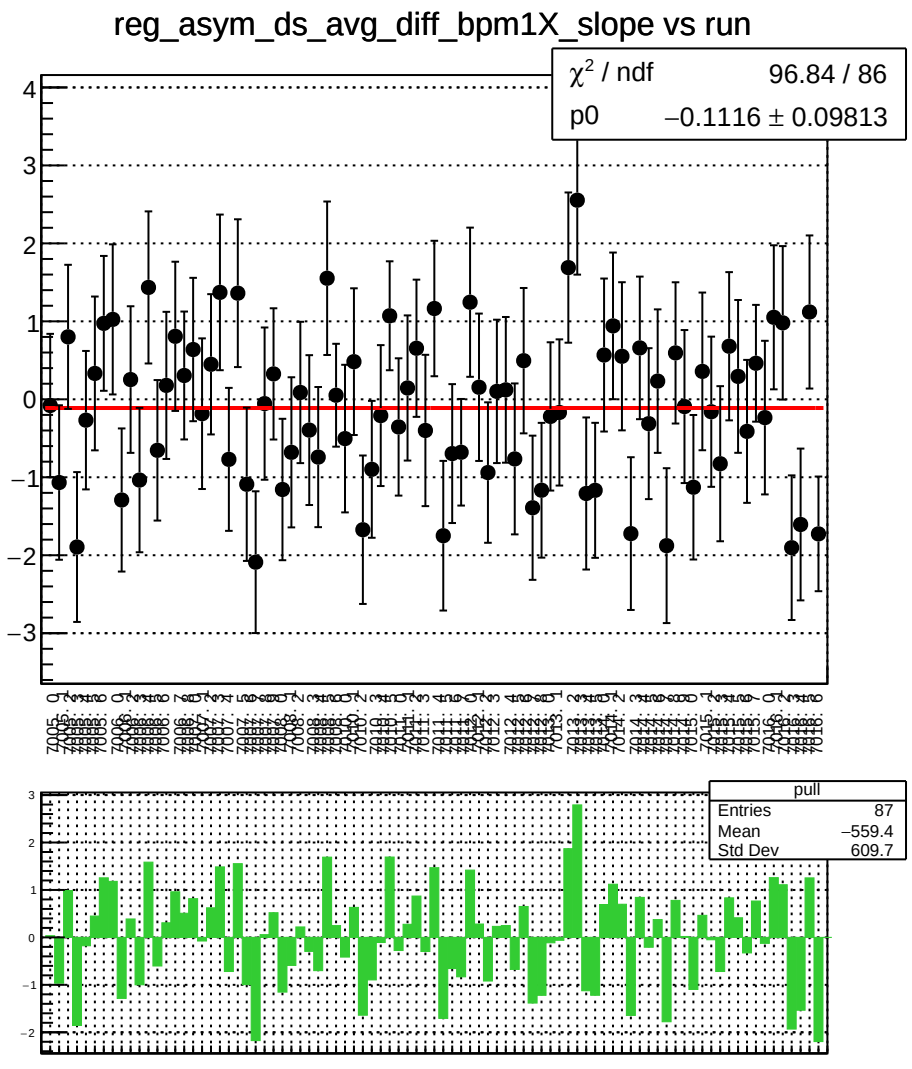

pull1D
Entries 87
Mean 0.002081
Std Dev 0.8589

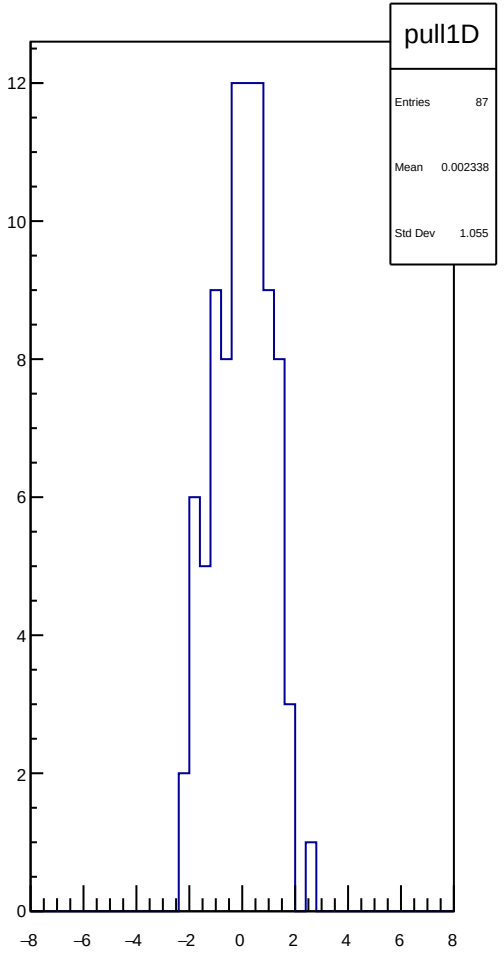

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.96 / 86
p0 3.045 ± 0.7845
pull
Entries 87
Mean 247.7
Std Dev 196.5

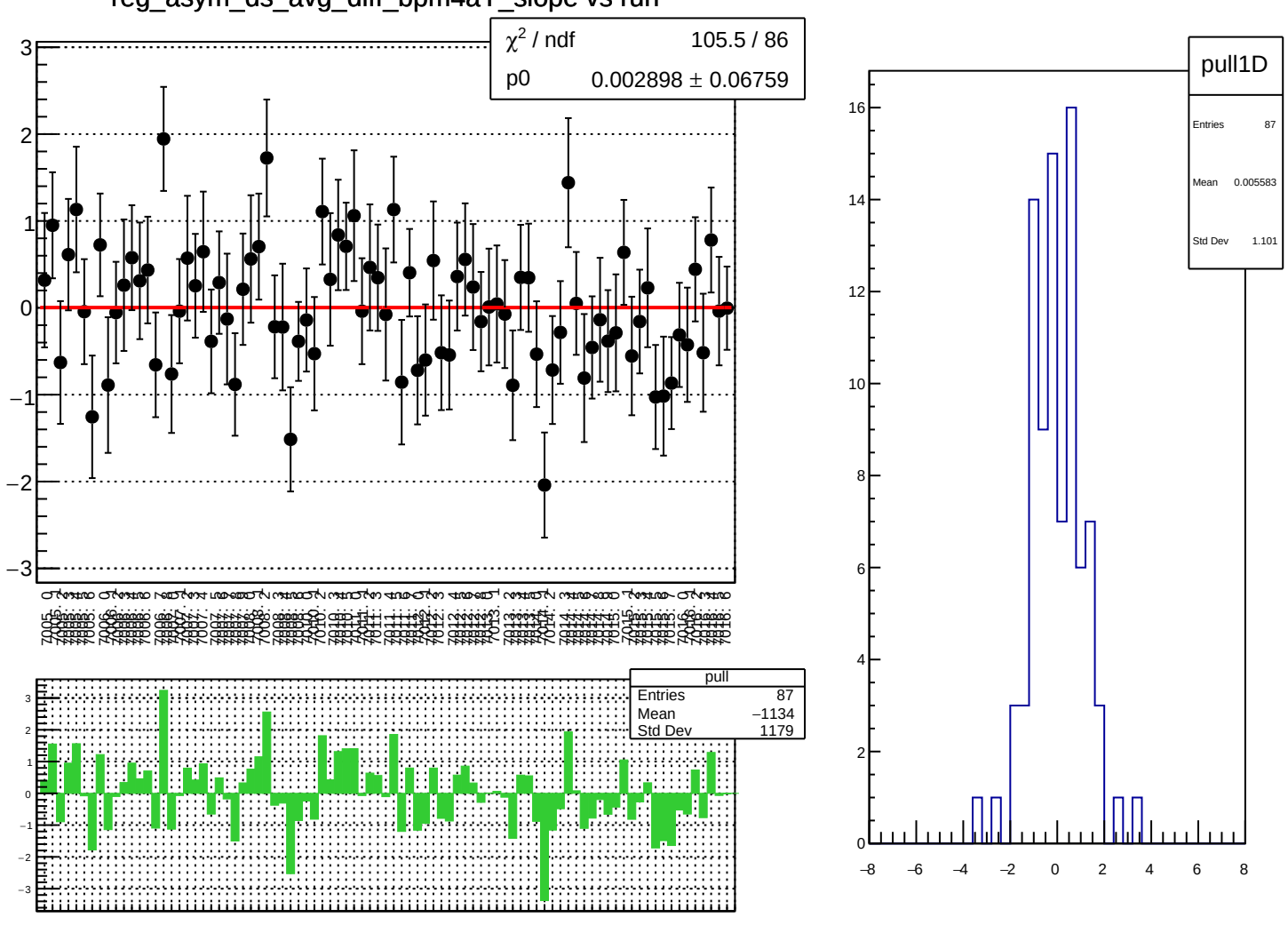

pull1D
Entries 87
Mean 0.01291
Std Dev 0.9219

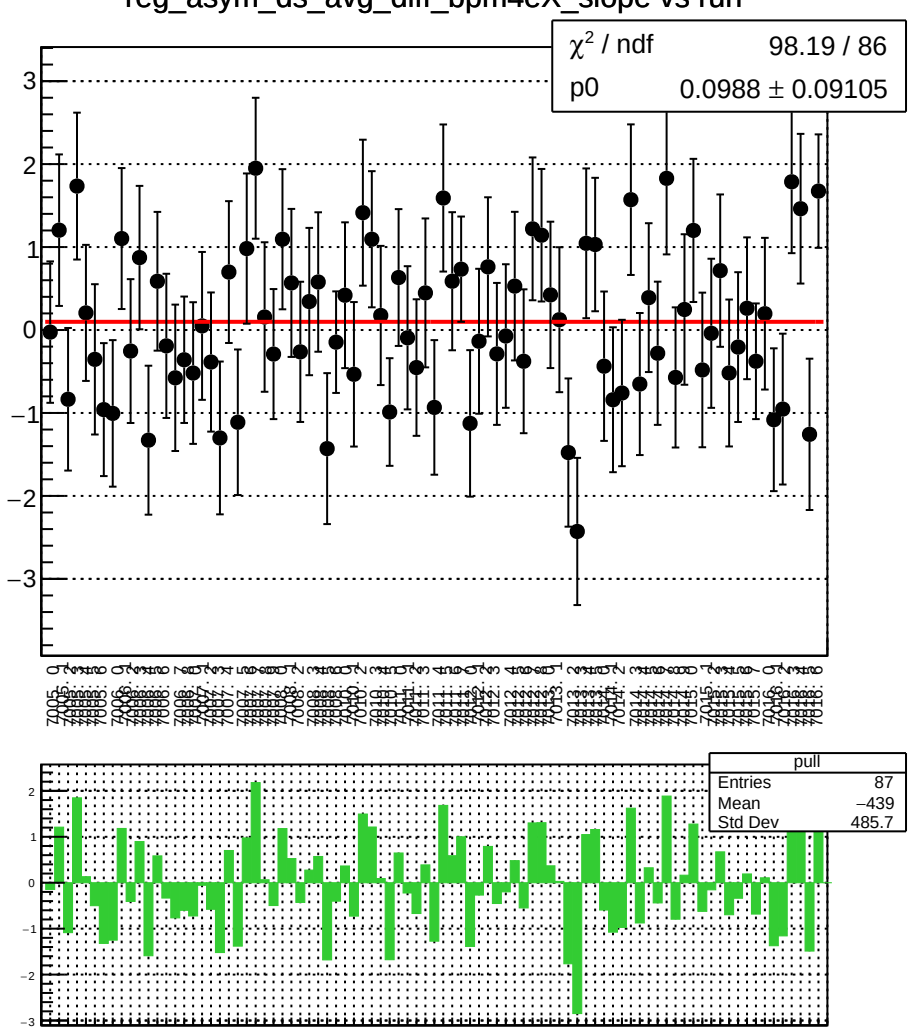

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 96.01 / 86
p0 −1.588 ± 0.03609
pull
Entries 87
Mean −106
Std Dev 141.8

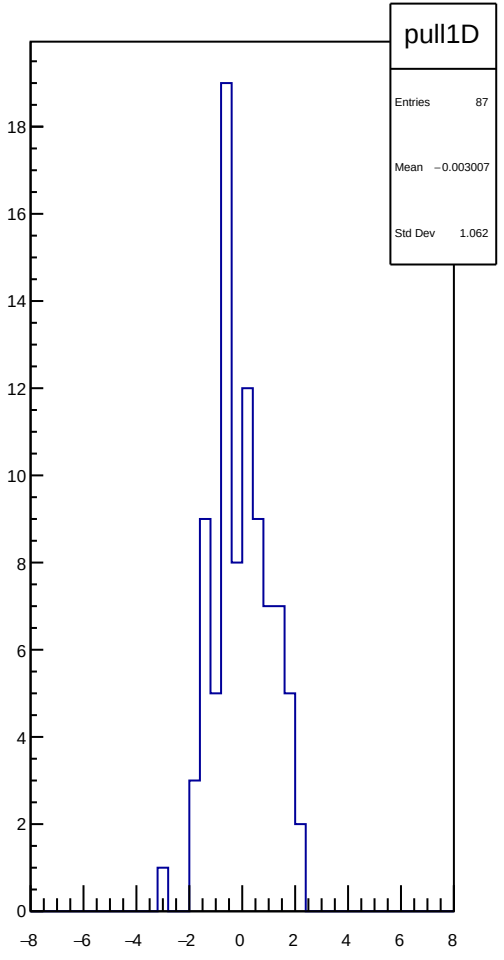

pull1D
Entries 87
Mean 0.01506
Std Dev 1.05

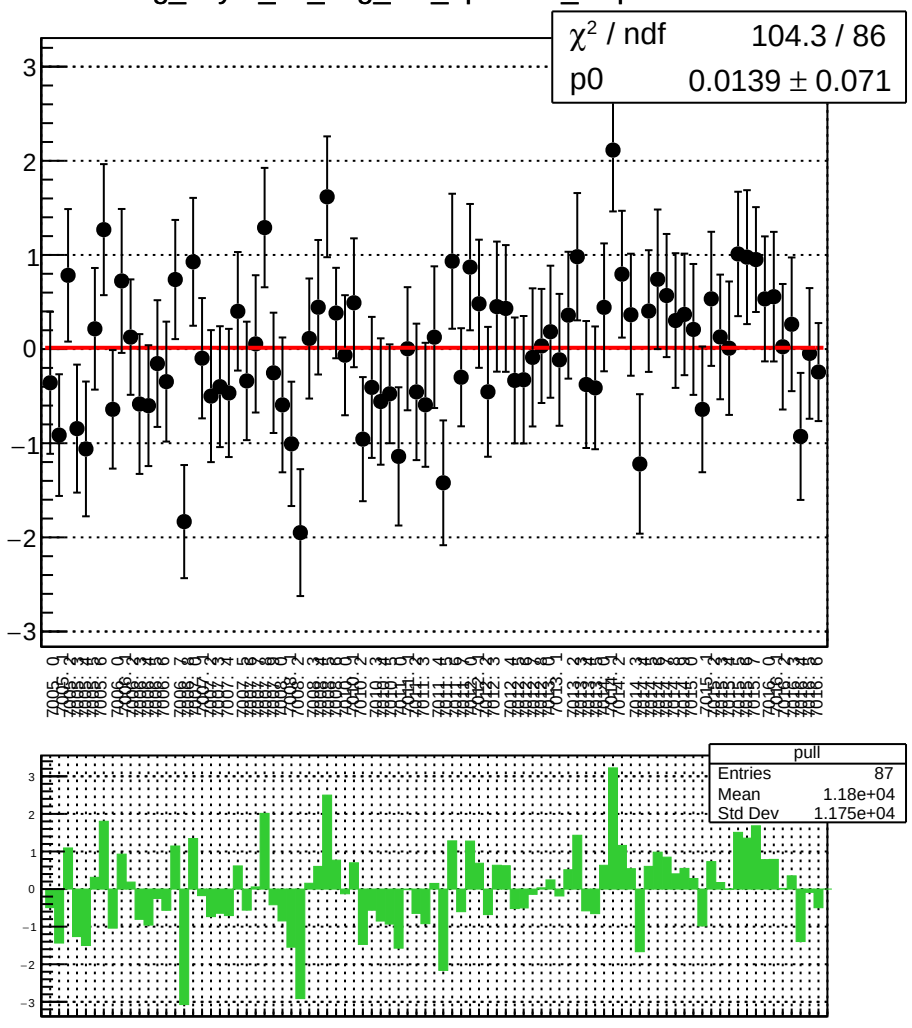

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 96.84 / 86
p0 −0.1116 ± 0.09813
pull
Entries 87
Mean −559.4
Std Dev 609.7

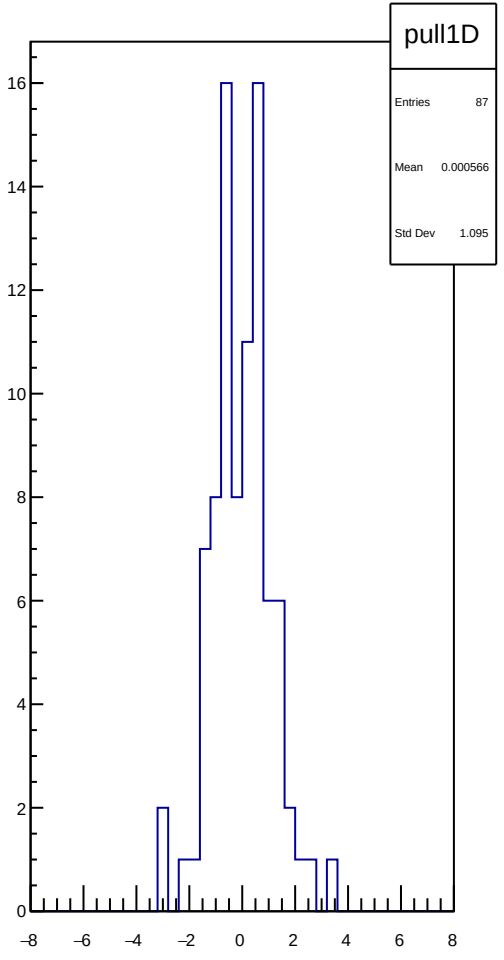

pull1D
Entries 87
Mean 0.002338
Std Dev 1.055

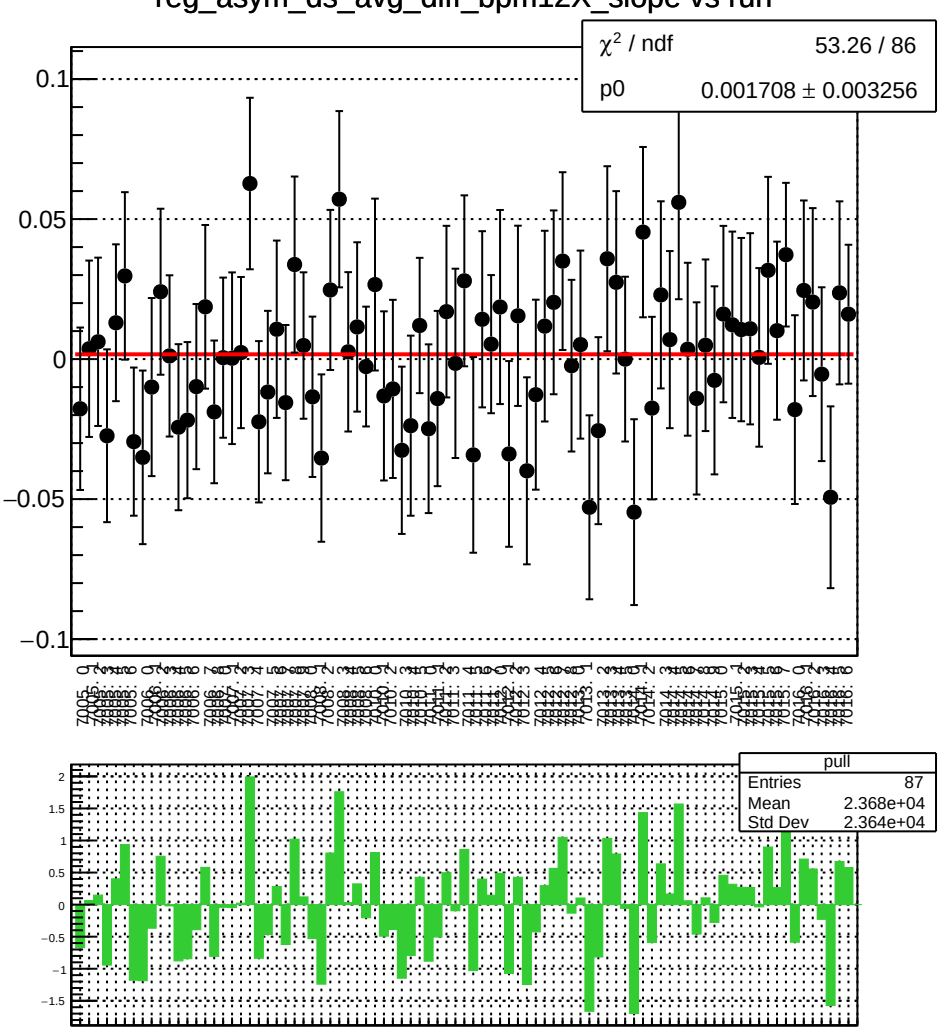

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.5 / 86
p0 0.002898 ± 0.06759
pull
Entries 87
Mean −1134
Std Dev 1179
pull1D
Entries 87
Mean 0.005583
Std Dev 1.101

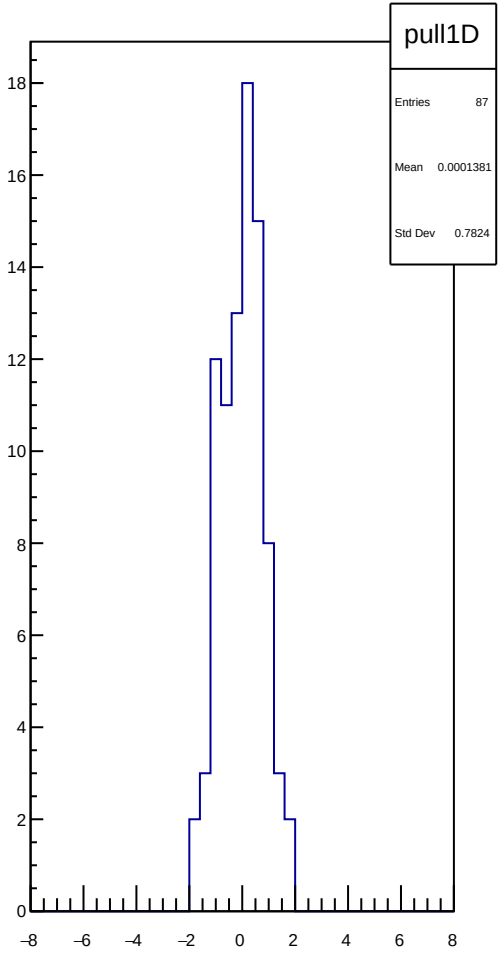

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.19 / 86
p0 0.0988 ± 0.09105
pull
Entries 87
Mean −439
Std Dev 485.7

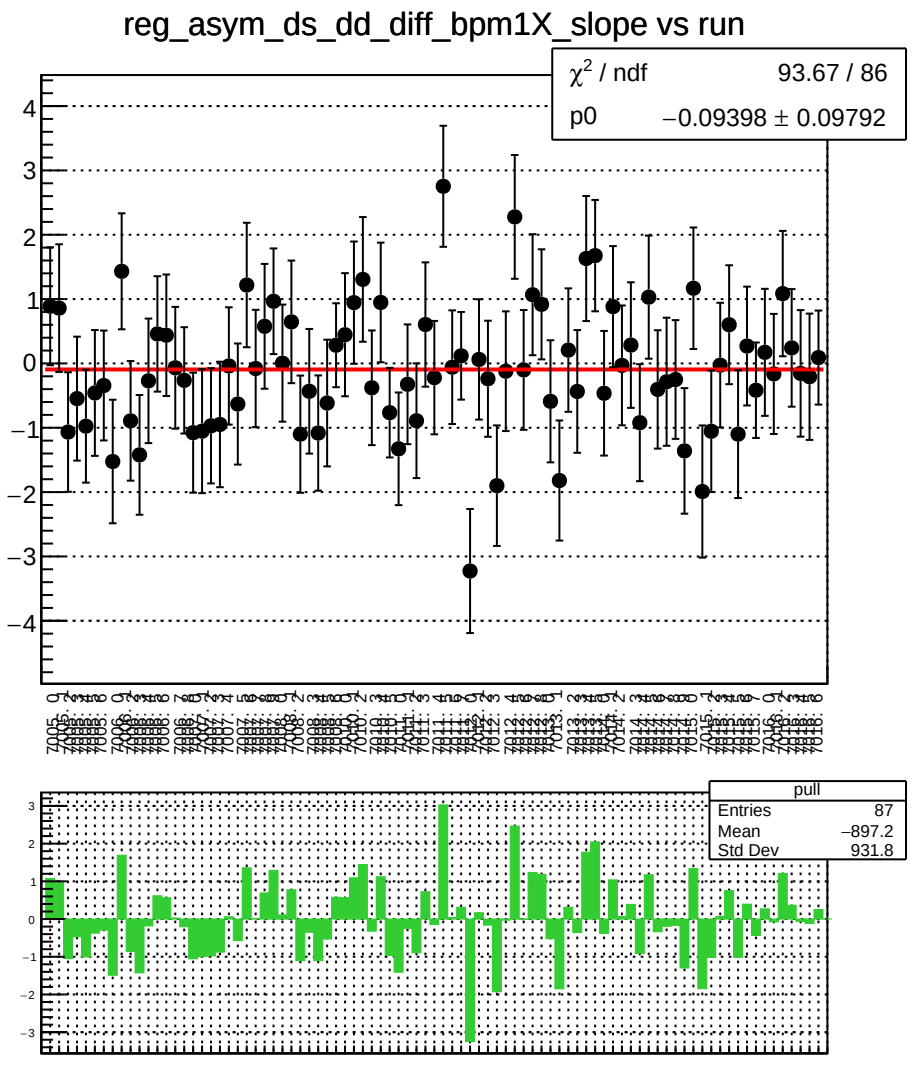

pull1D
Entries 87
Mean −0.003007
Std Dev 1.062

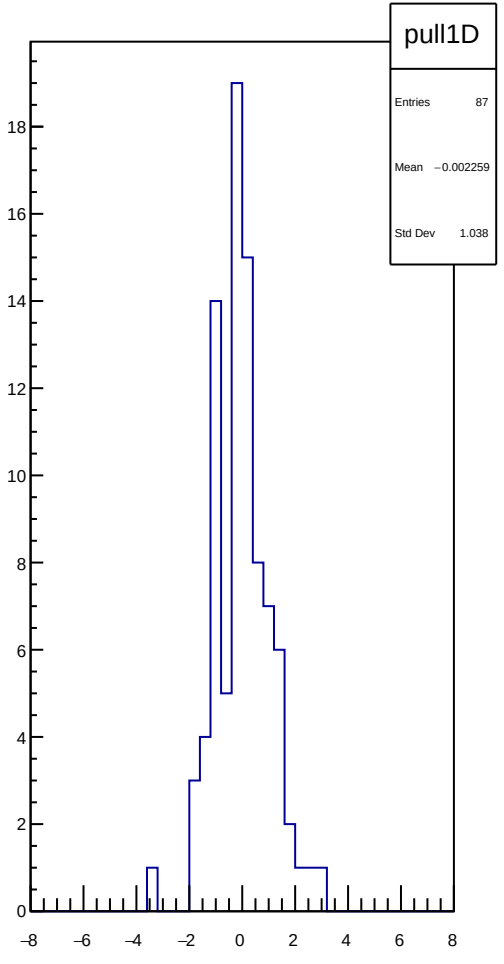

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 86
p0 0.0139 ± 0.071
pull
Entries 87
Mean 1.18e+04
Std Dev 1.175e+04

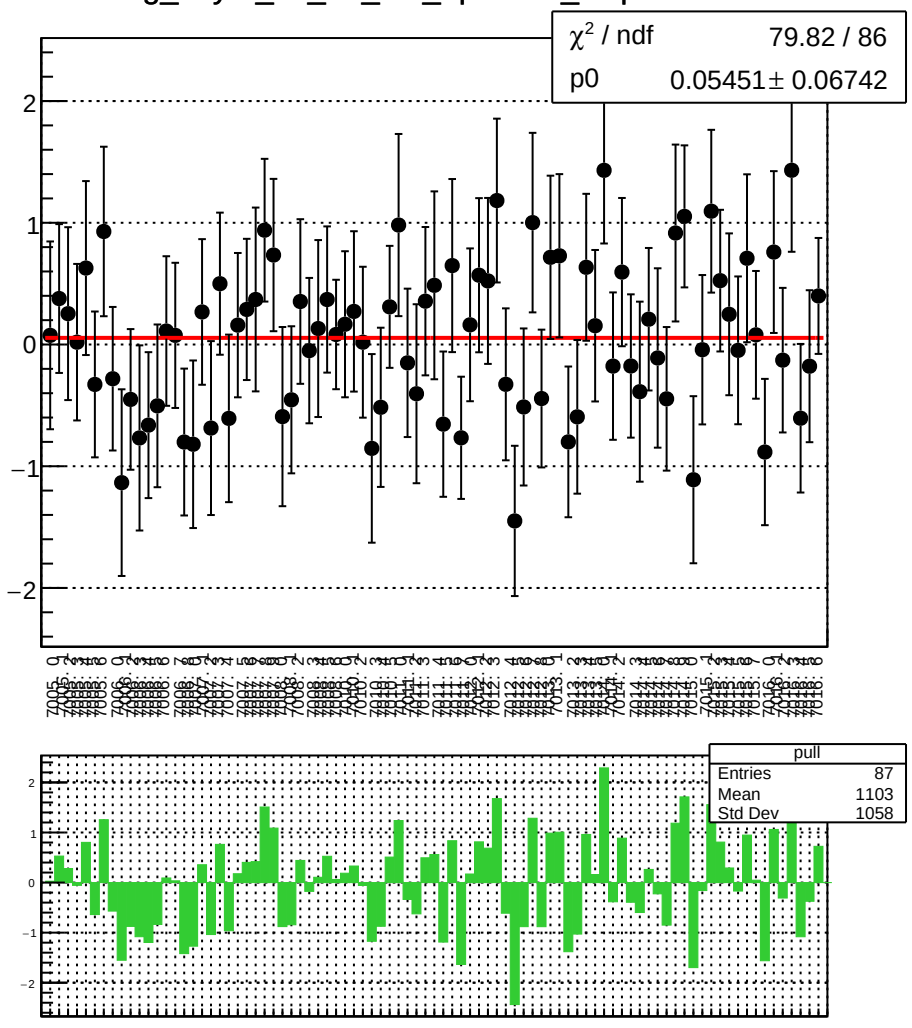

pull1D
Entries 87
Mean 0.000566
Std Dev 1.095

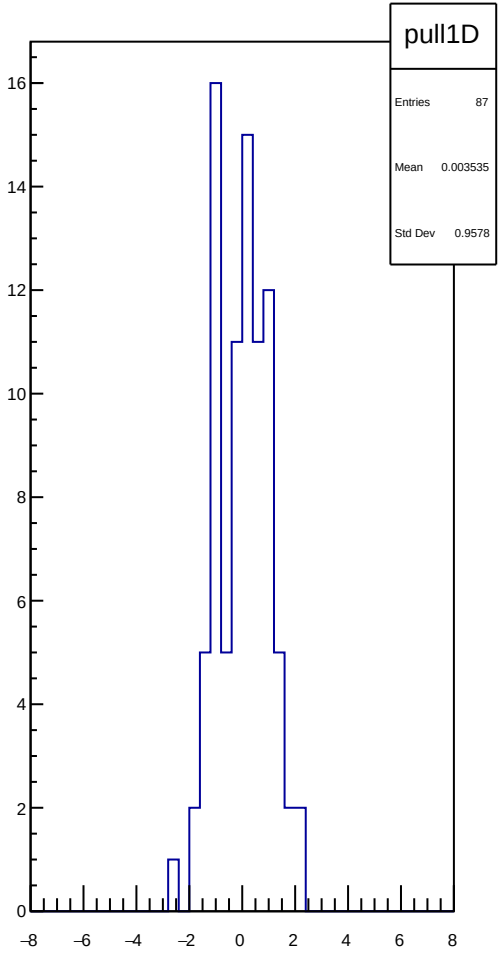

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 53.26 / 86
p0 0.001708 ± 0.003256
pull
Entries 87
Mean 2.368e+04
Std Dev 2.364e+04

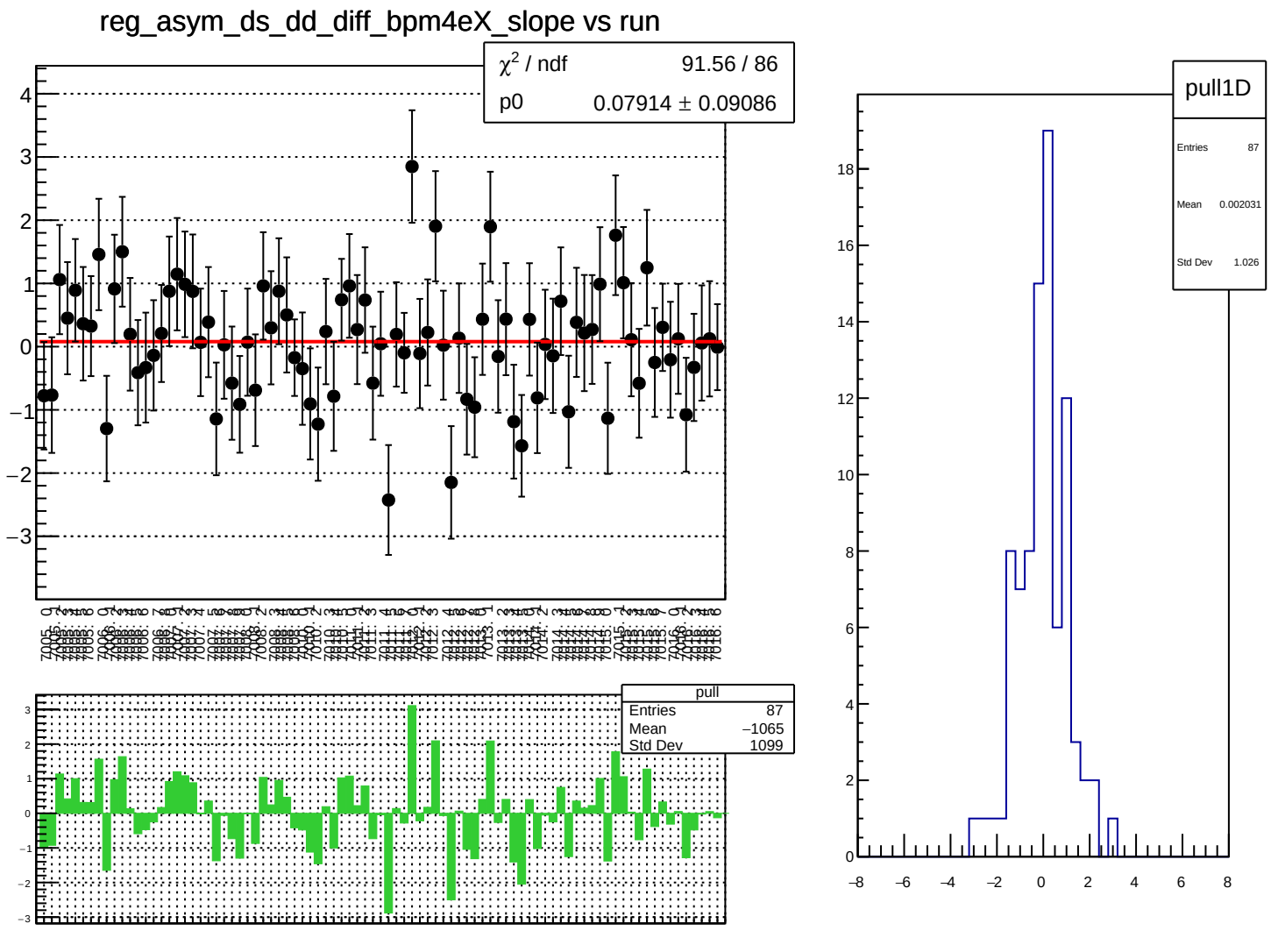

pull1D
Entries 87
Mean 0.0001381
Std Dev 0.7824

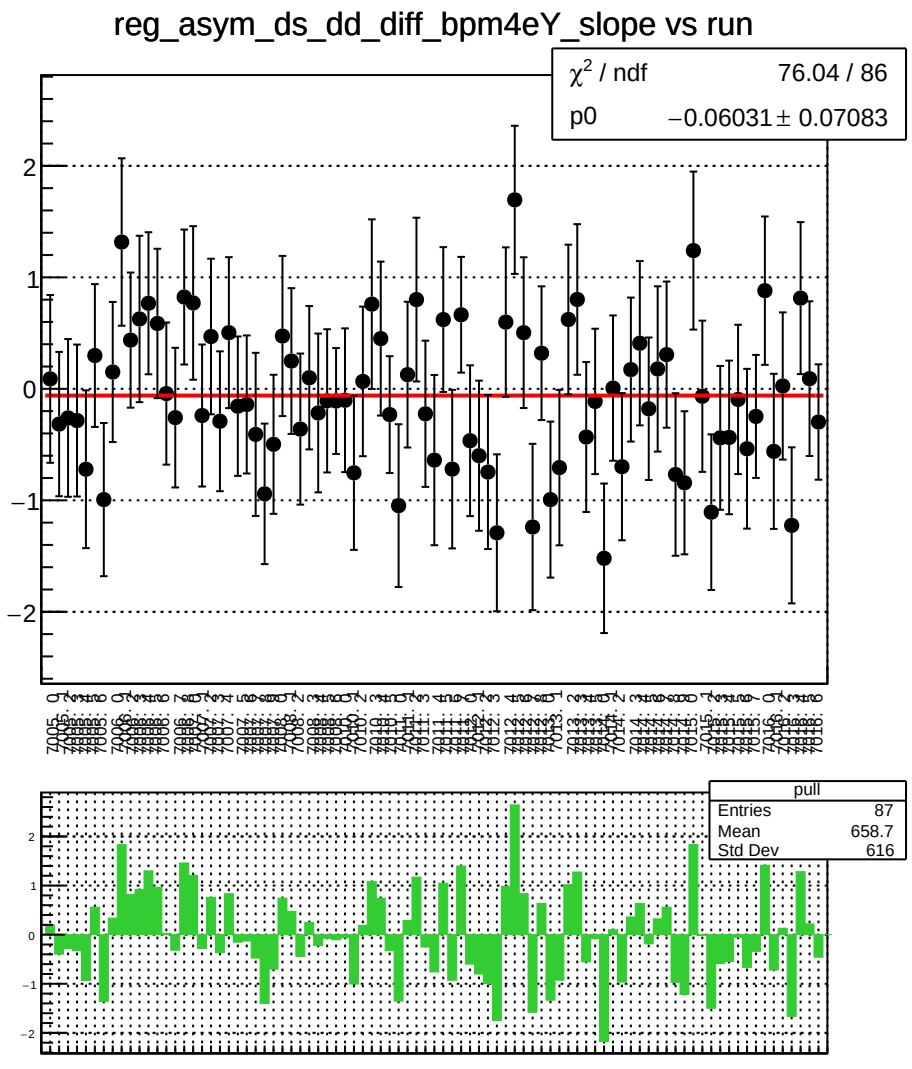

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 93.67 / 86
p0 −0.09398 ± 0.09792
pull
Entries 87
Mean −897.2
Std Dev 931.8

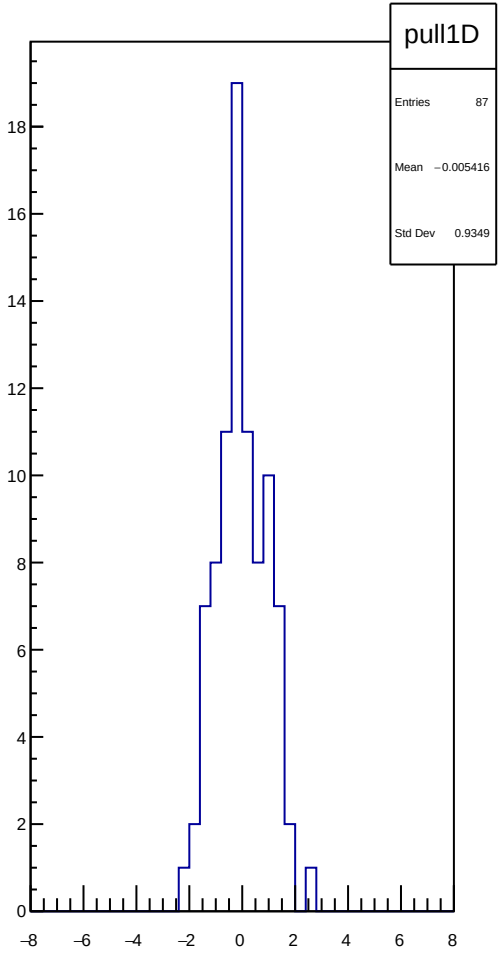

pull1D
Entries 87
Mean −0.002259
Std Dev 1.038

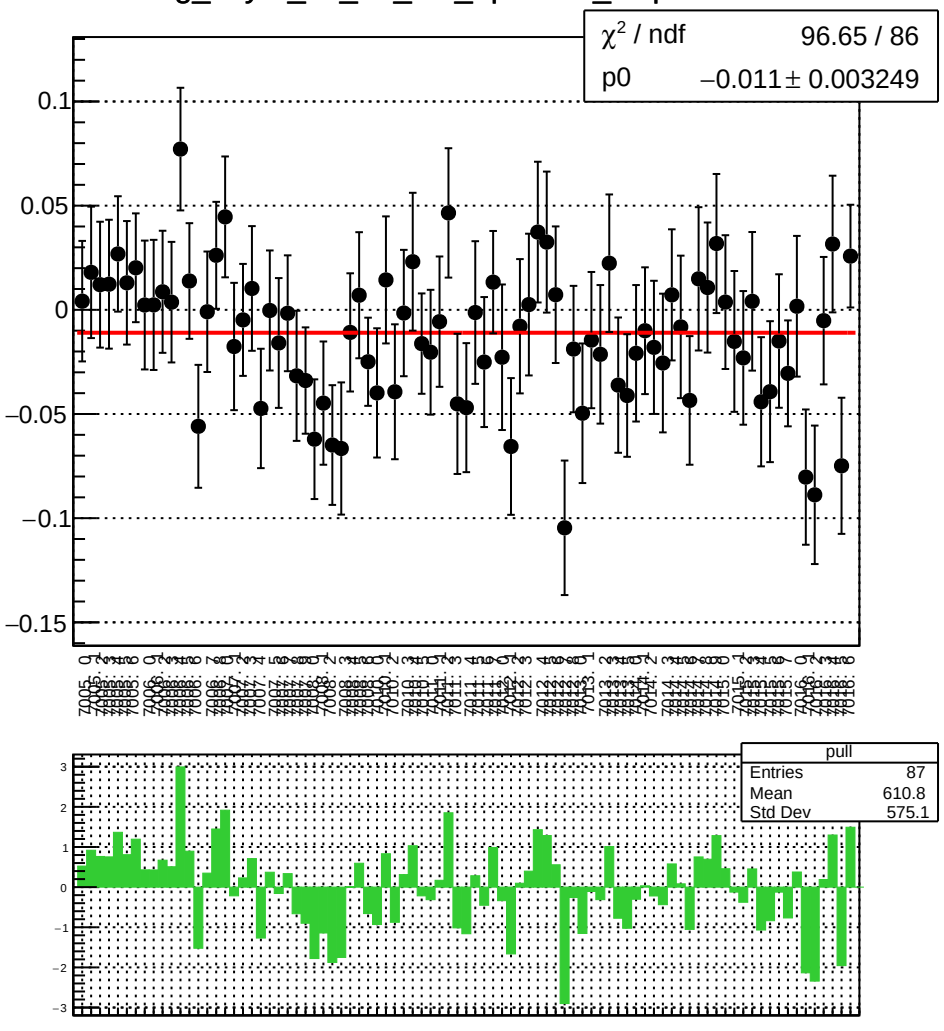

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.82 / 86
p0 0.05451 ± 0.06742
pull
Entries 87
Mean 1103
Std Dev 1058

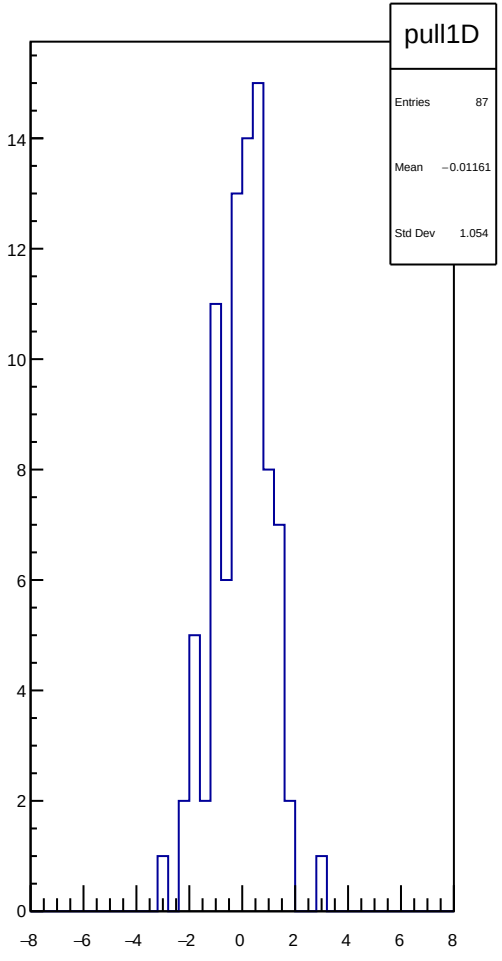

pull1D
Entries 87
Mean 0.003535
Std Dev 0.9578

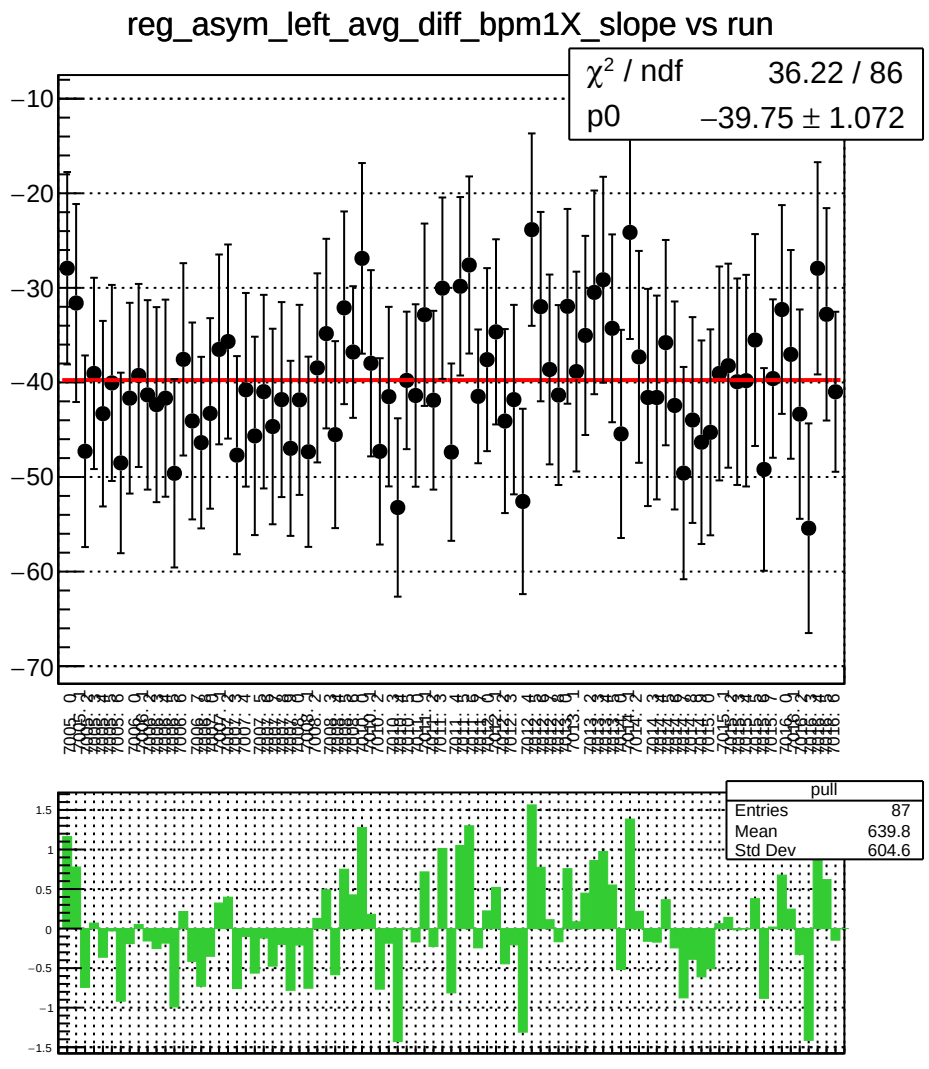

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.56 / 86
p0 0.07914 ± 0.09086
pull
Entries 87
Mean −1065
Std Dev 1099
pull1D
Entries 87
Mean 0.002031
Std Dev 1.026

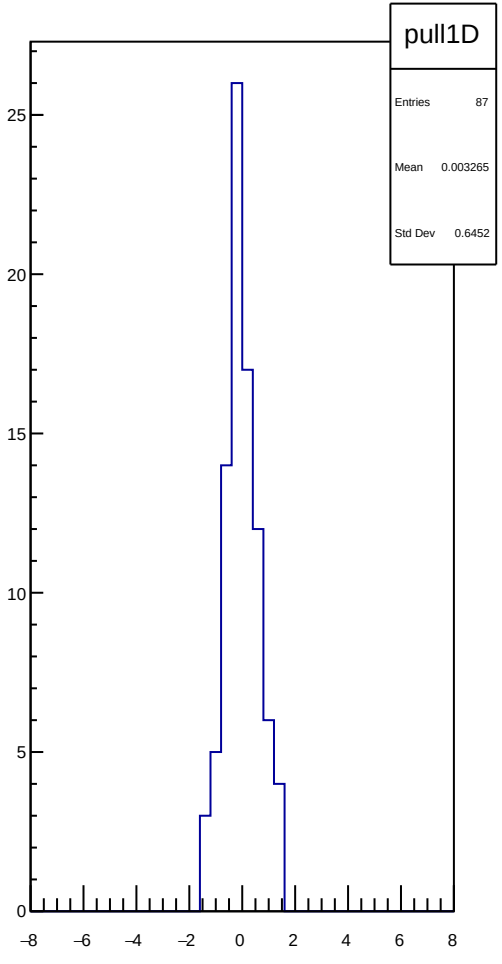

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.04 / 86
p0 −0.06031 ± 0.07083
pull
Entries 87
Mean 658.7
Std Dev 616

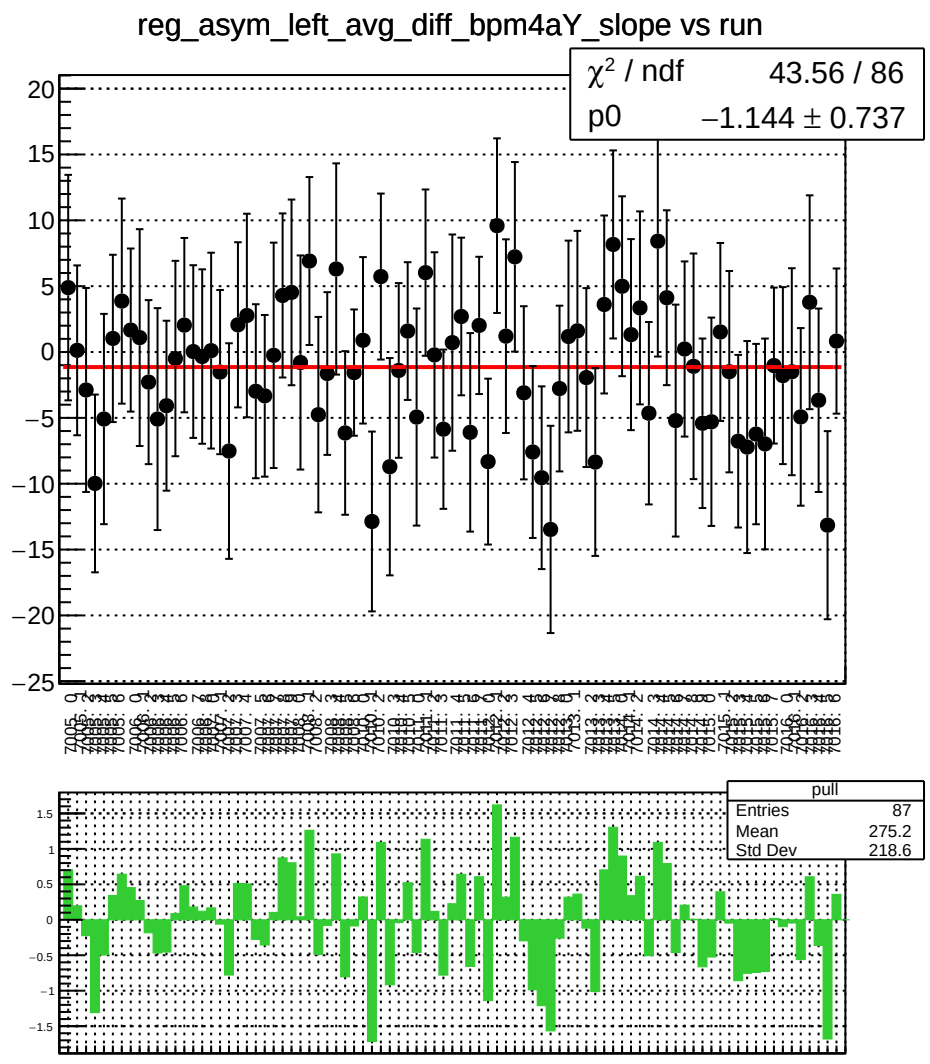

pull1D
Entries 87
Mean −0.005416
Std Dev 0.9349

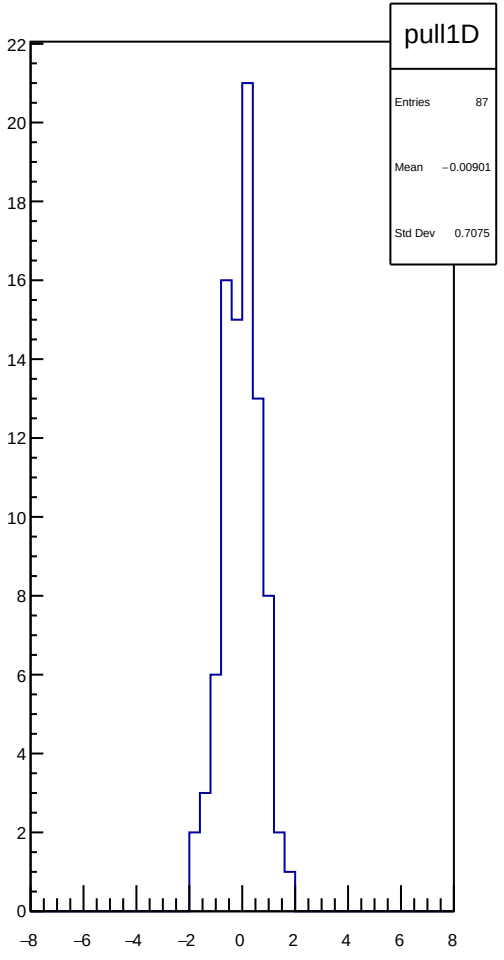

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 96.65 / 86
p0 −0.011 ± 0.003249
pull
Entries 87
Mean 610.8
Std Dev 575.1

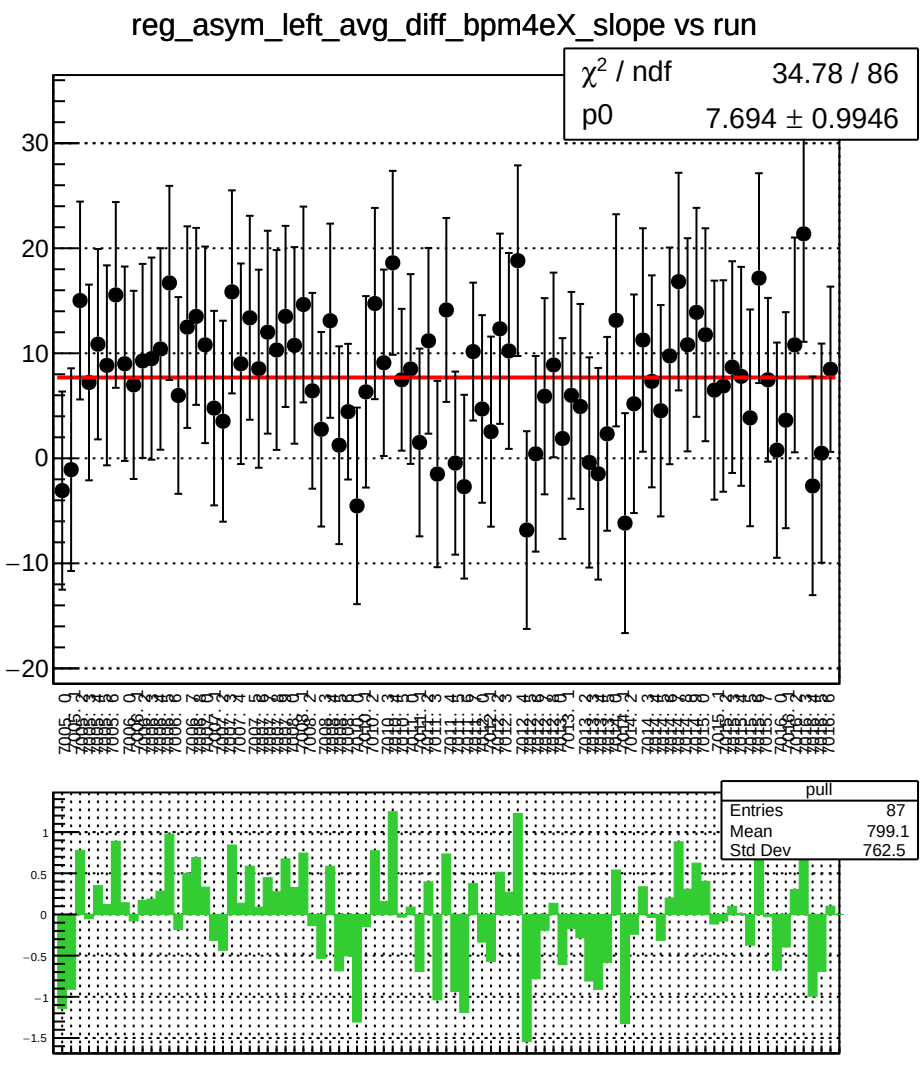

pull1D
Entries 87
Mean −0.01161
Std Dev 1.054

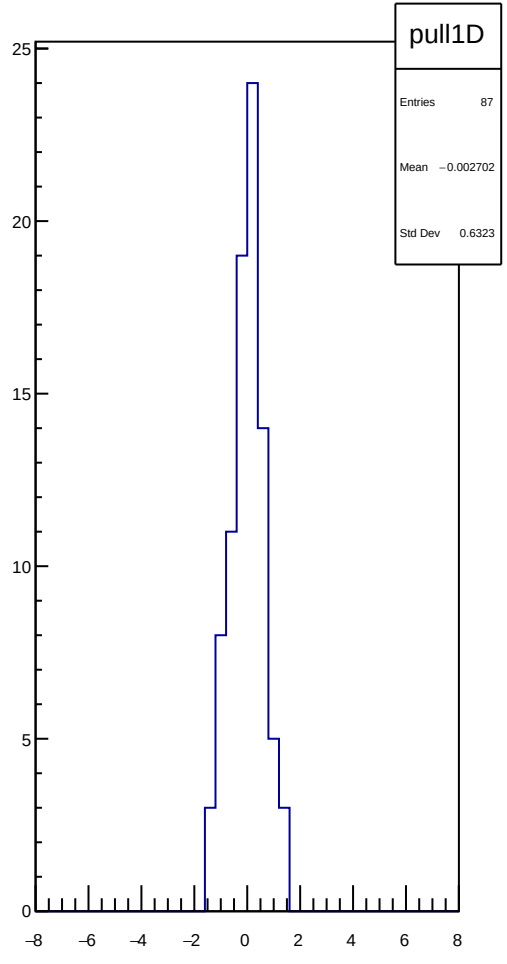

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 36.22 / 86
p0 −39.75 ± 1.072
pull
Entries 87
Mean 639.8
Std Dev 604.6

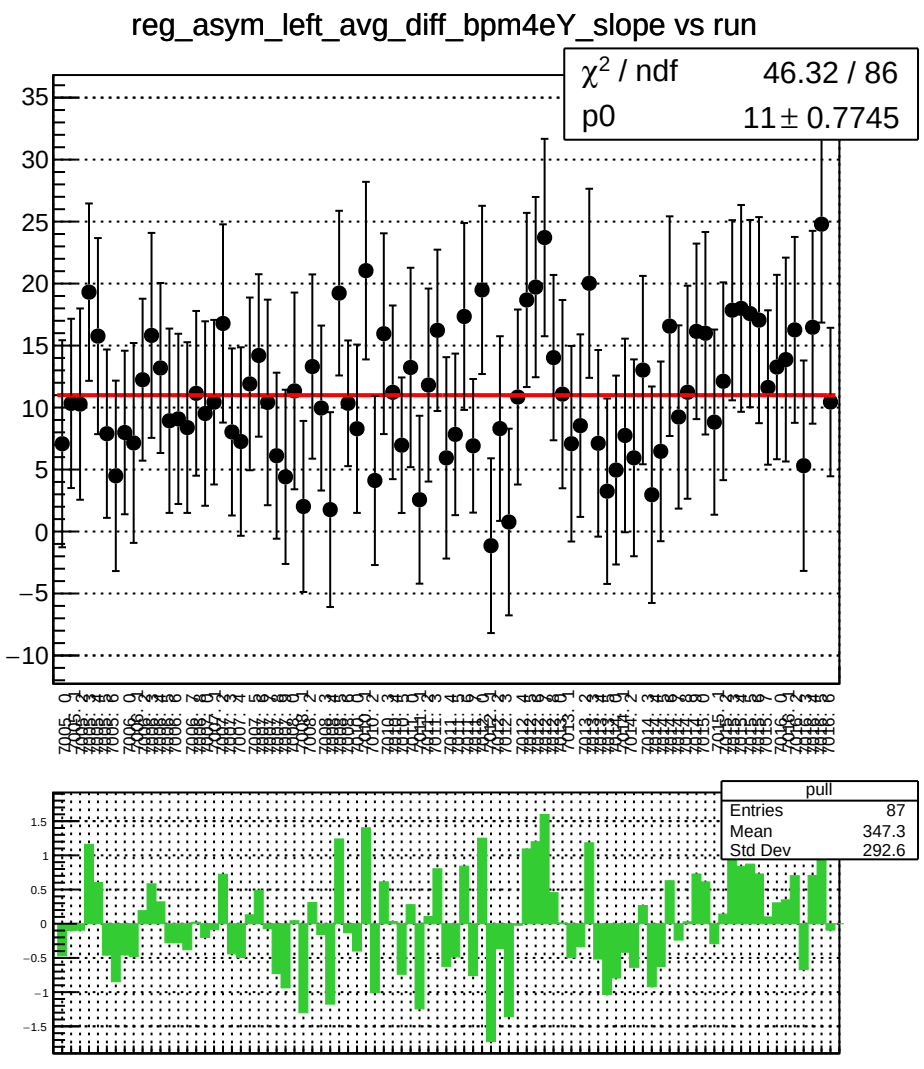

pull1D
Entries 87
Mean 0.003265
Std Dev 0.6452

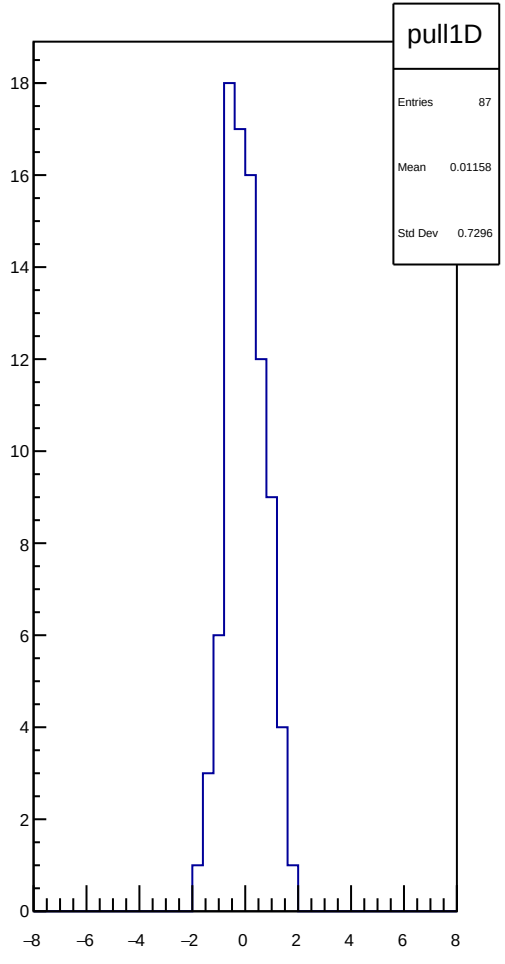

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.56 / 86
p0 −1.144 ± 0.737
pull
Entries 87
Mean 275.2
Std Dev 218.6

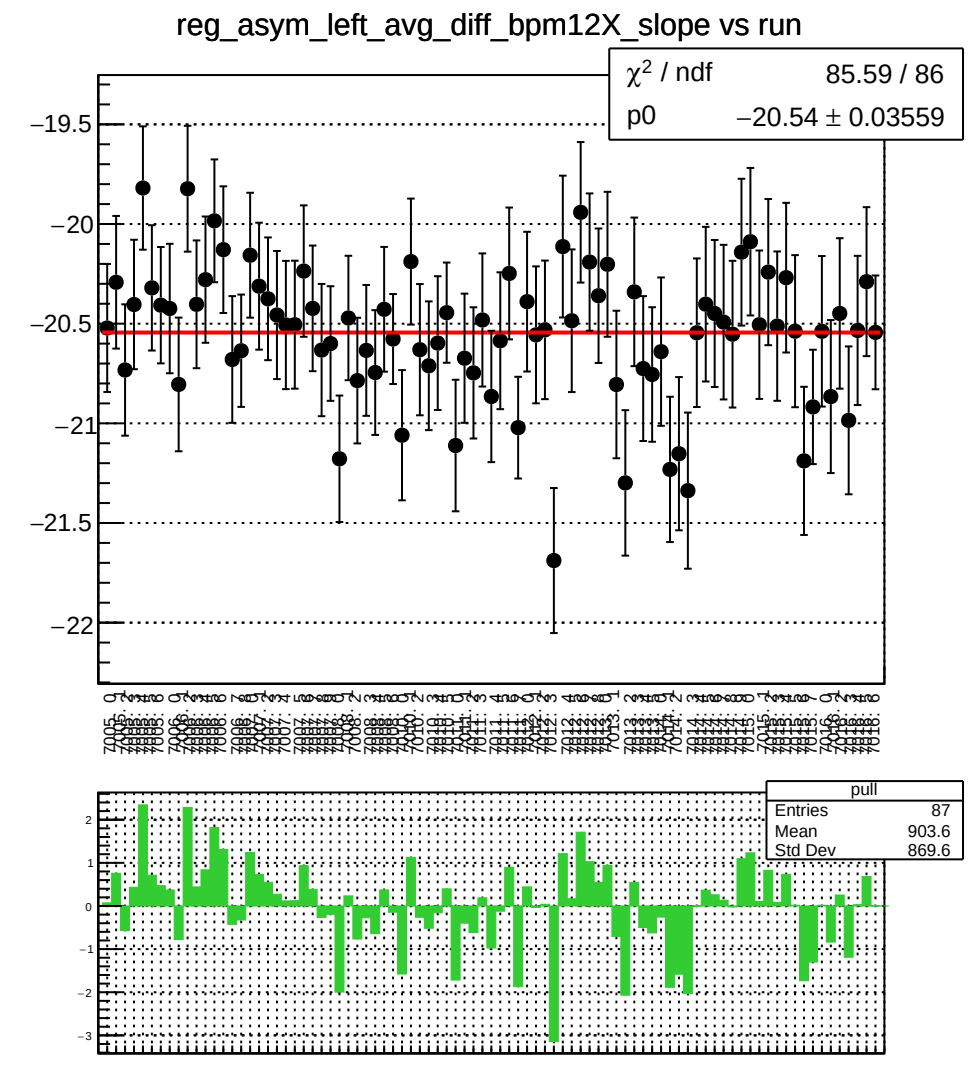

pull1D
Entries 87
Mean −0.00901
Std Dev 0.7075

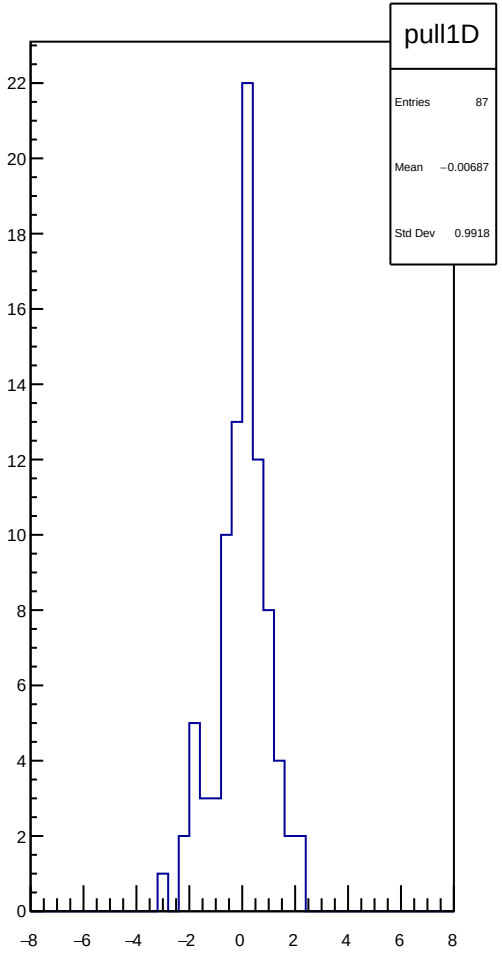

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.78 / 86
p0 7.694 ± 0.9946
pull
Entries 87
Mean 799.1
Std Dev 762.5

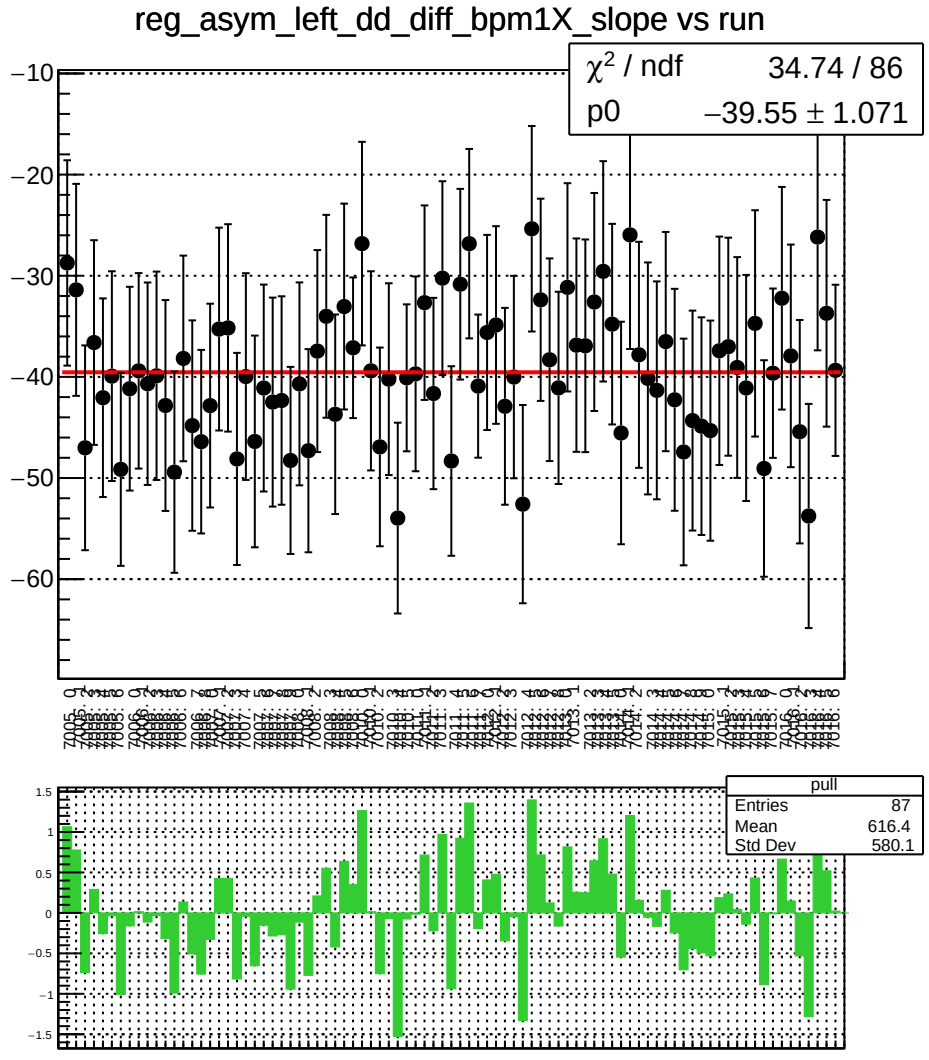

pull1D
Entries 87
Mean −0.002702
Std Dev 0.6323

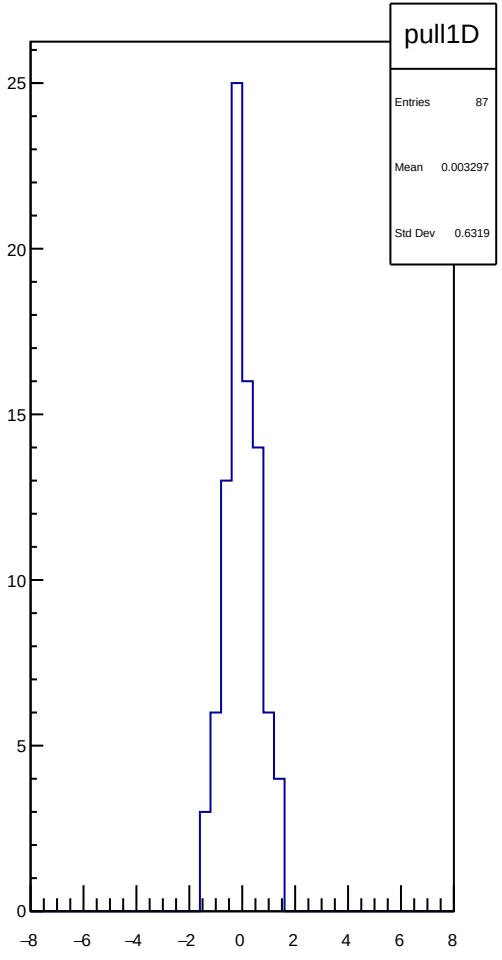

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.32 / 86
p0 11 ± 0.7745
pull
Entries 87
Mean 347.3
Std Dev 292.6

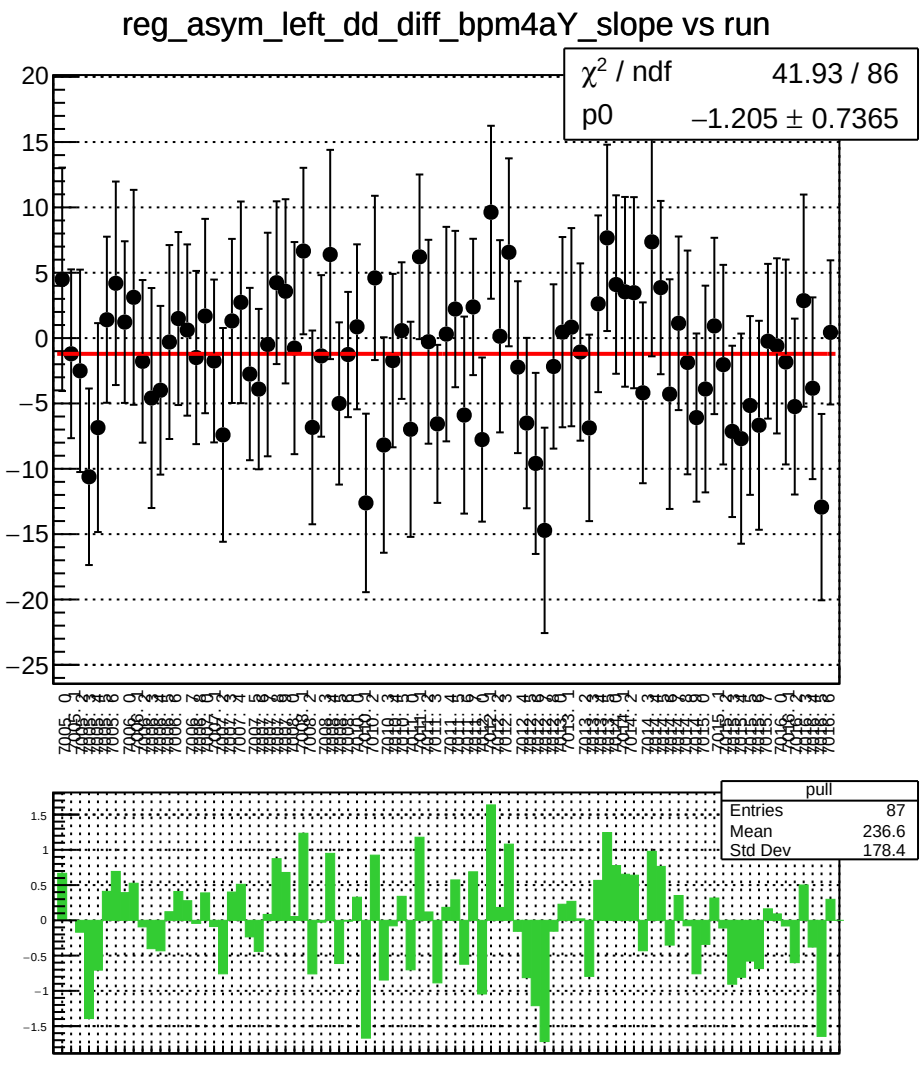

pull1D
Entries 87
Mean 0.01158
Std Dev 0.7296

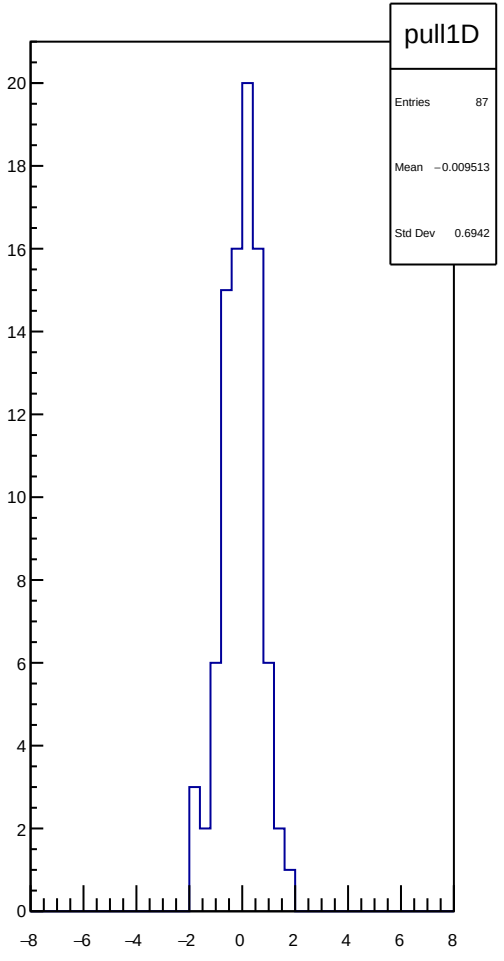

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 85.59 / 86
p0 −20.54 ± 0.03559
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 87
Mean 903.6
Std Dev 869.6
2
1
0
−1
−2
−3

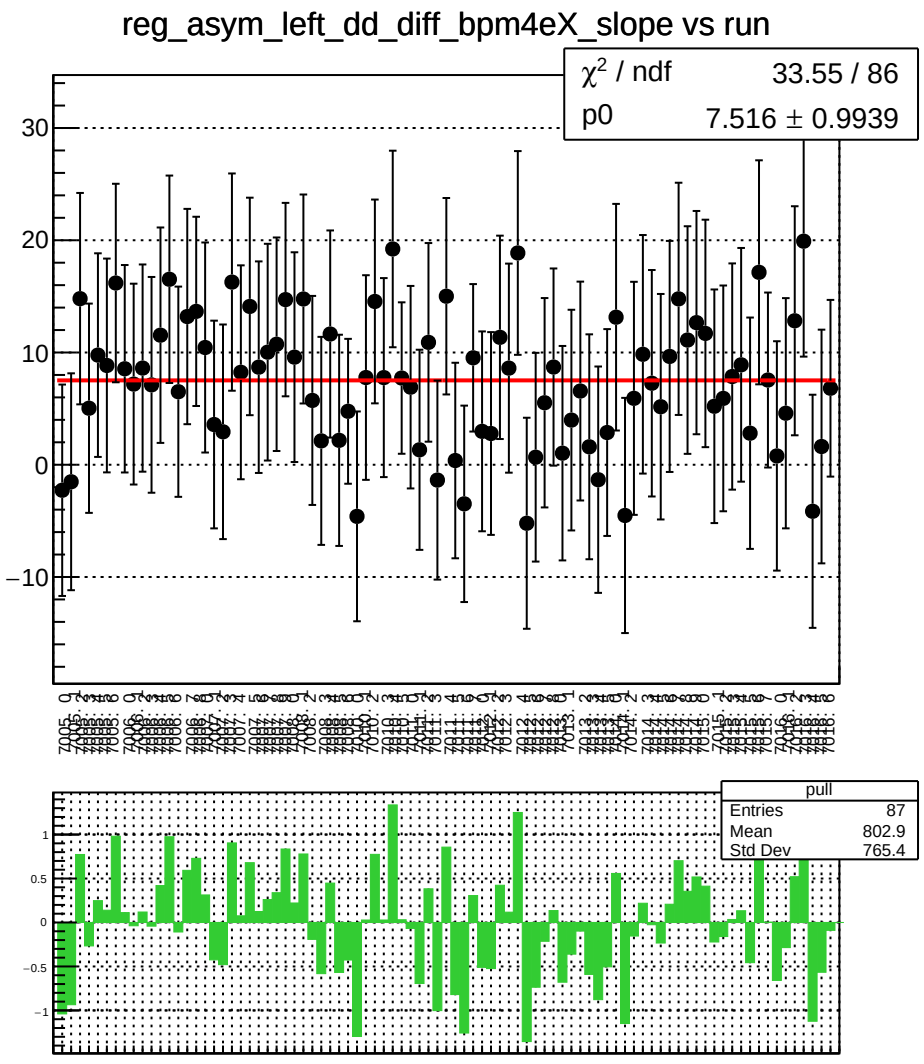

pull1D
Entries 87
Mean −0.00687
Std Dev 0.9918
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

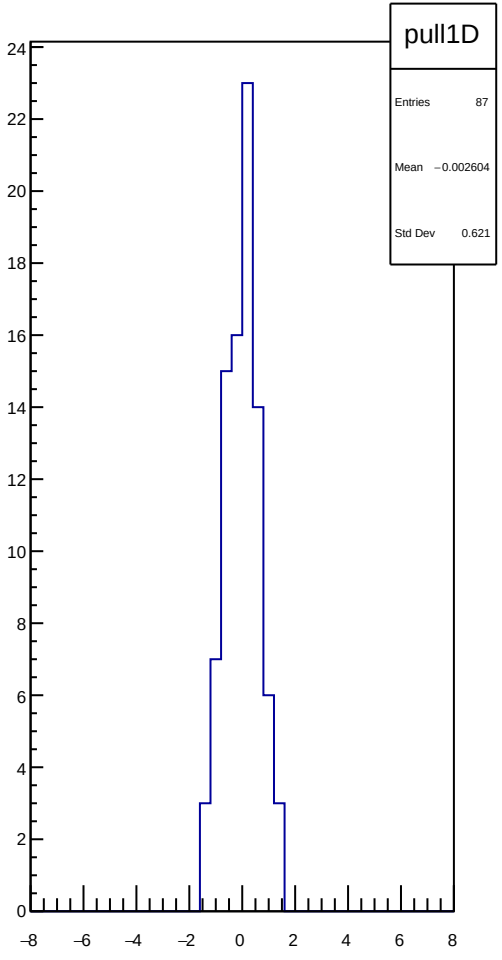

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 34.74 / 86
p0 −39.55 ± 1.071
pull
Entries 87
Mean 616.4
Std Dev 580.1

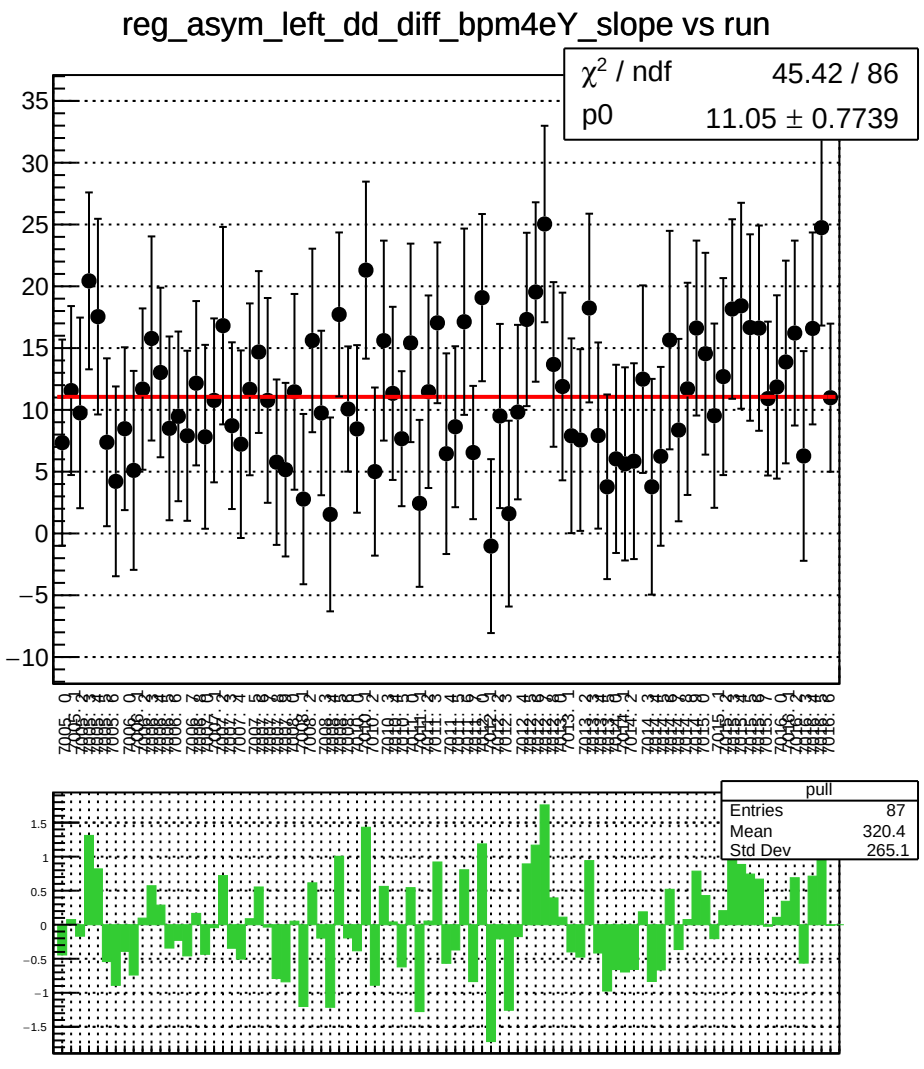

pull1D
Entries 87
Mean 0.003297
Std Dev 0.6319

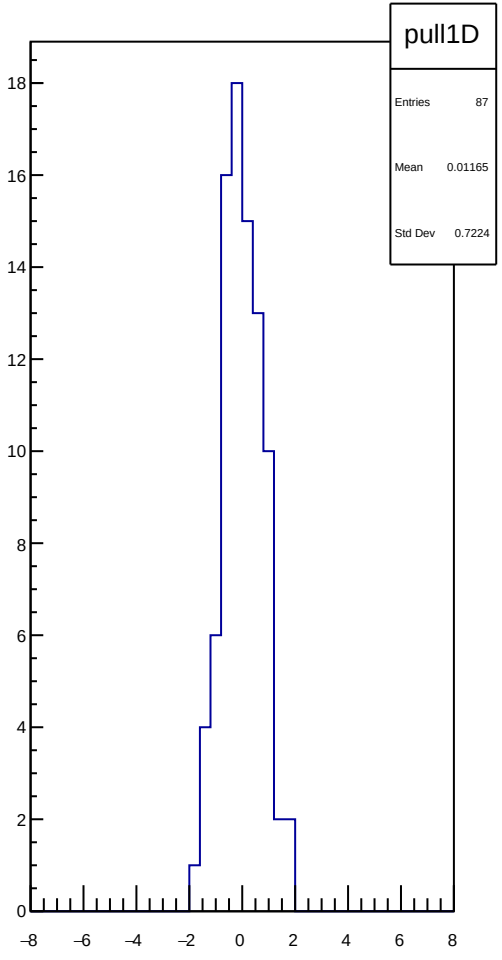

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.93 / 86
p0 −1.205 ± 0.7365
pull
Entries 87
Mean 236.6
Std Dev 178.4

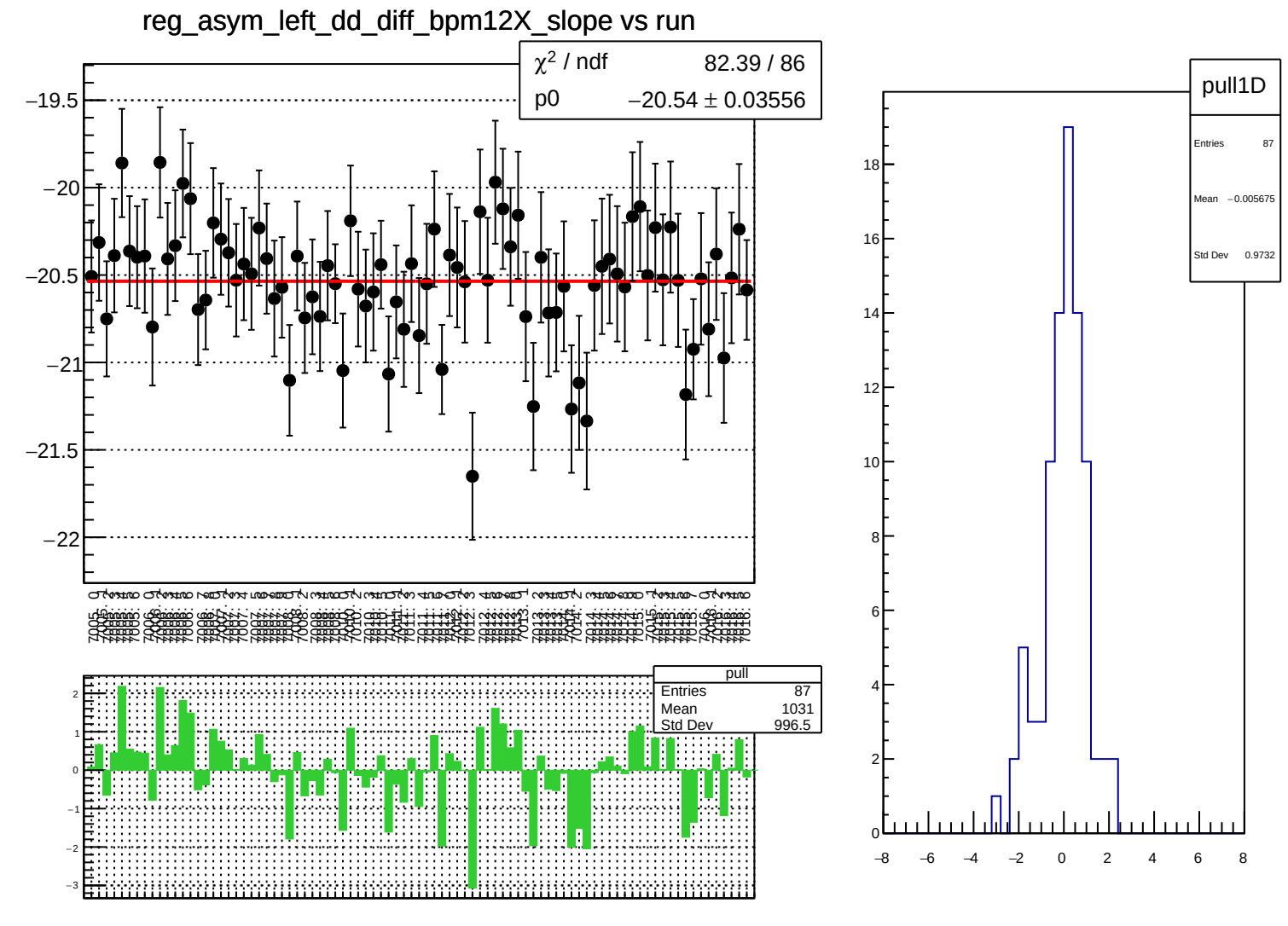

pull1D
Entries 87
Mean −0.009513
Std Dev 0.6942

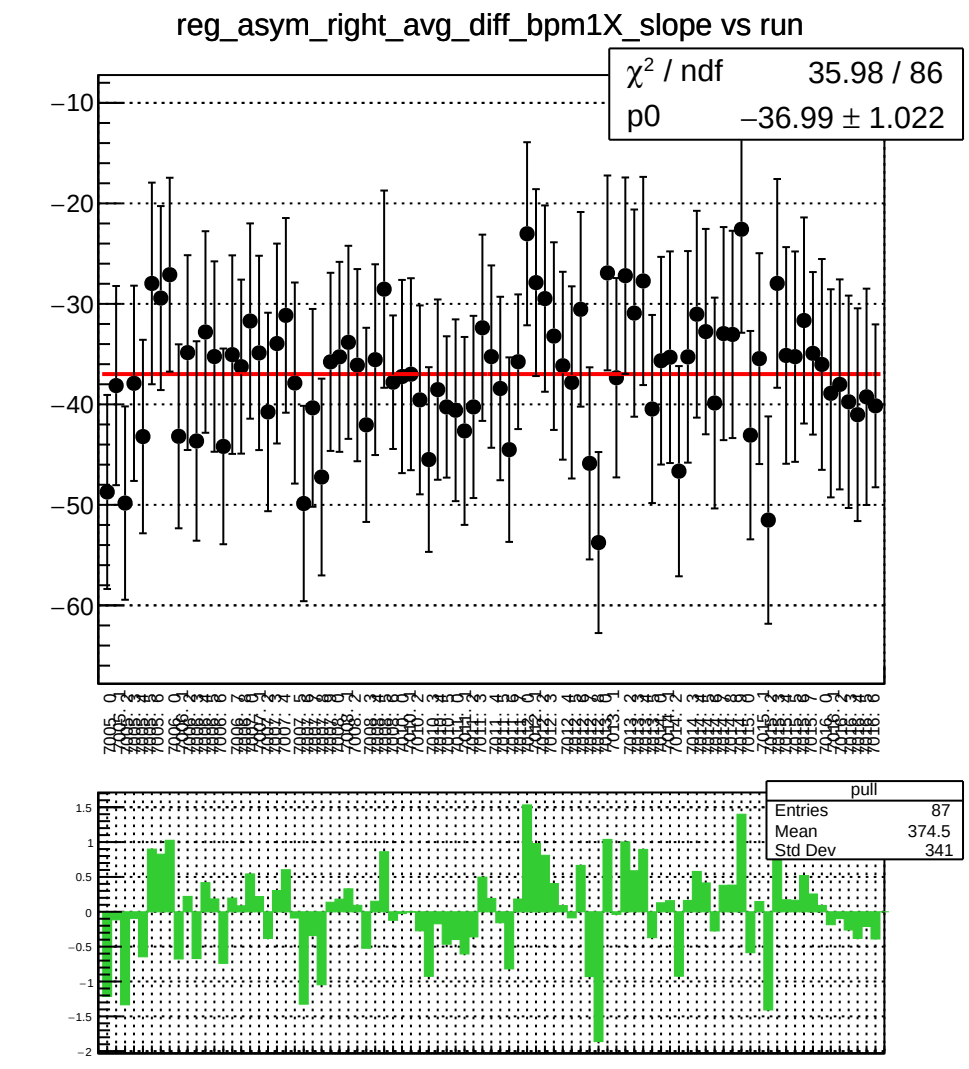

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.55 / 86
p0 7.516 ± 0.9939
pull
Entries 87
Mean 802.9
Std Dev 765.4

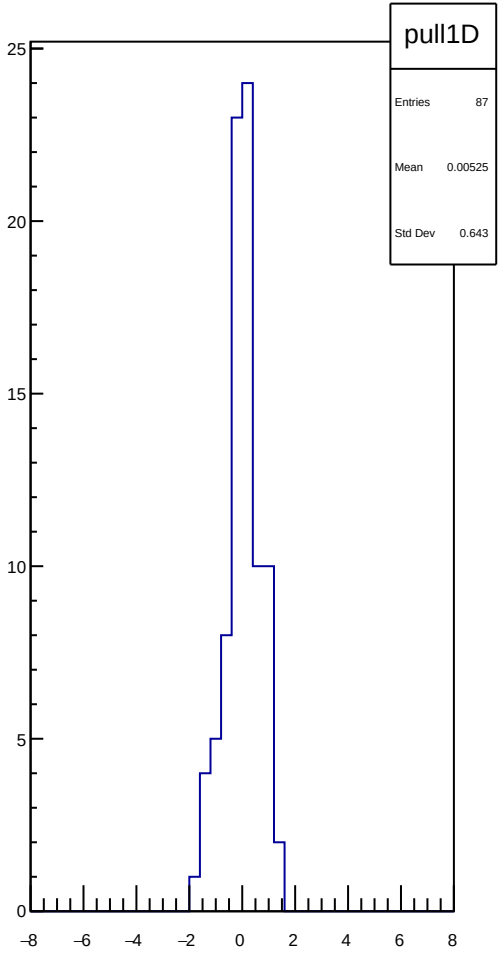

pull1D
Entries 87
Mean −0.002604
Std Dev 0.621

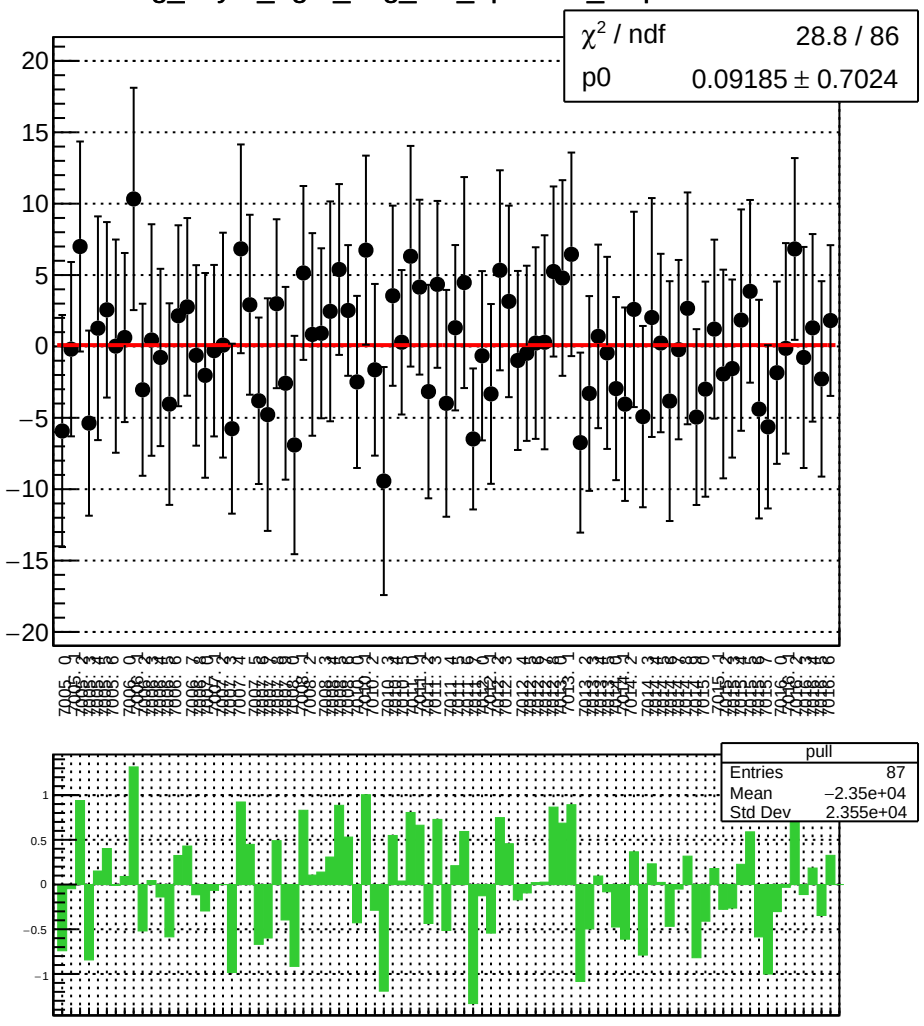

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.42 / 86
p0 11.05 ± 0.7739
pull
Entries 87
Mean 320.4
Std Dev 265.1

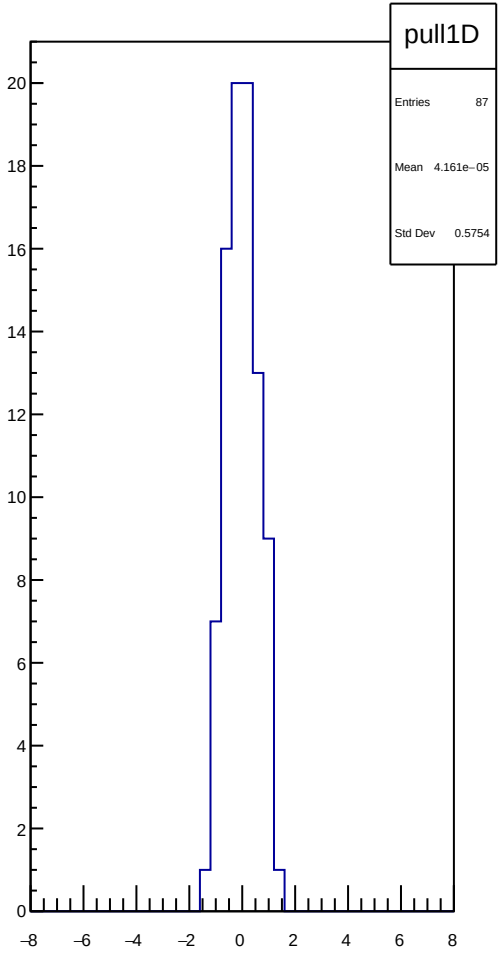

pull1D
Entries 87
Mean 0.01165
Std Dev 0.7224

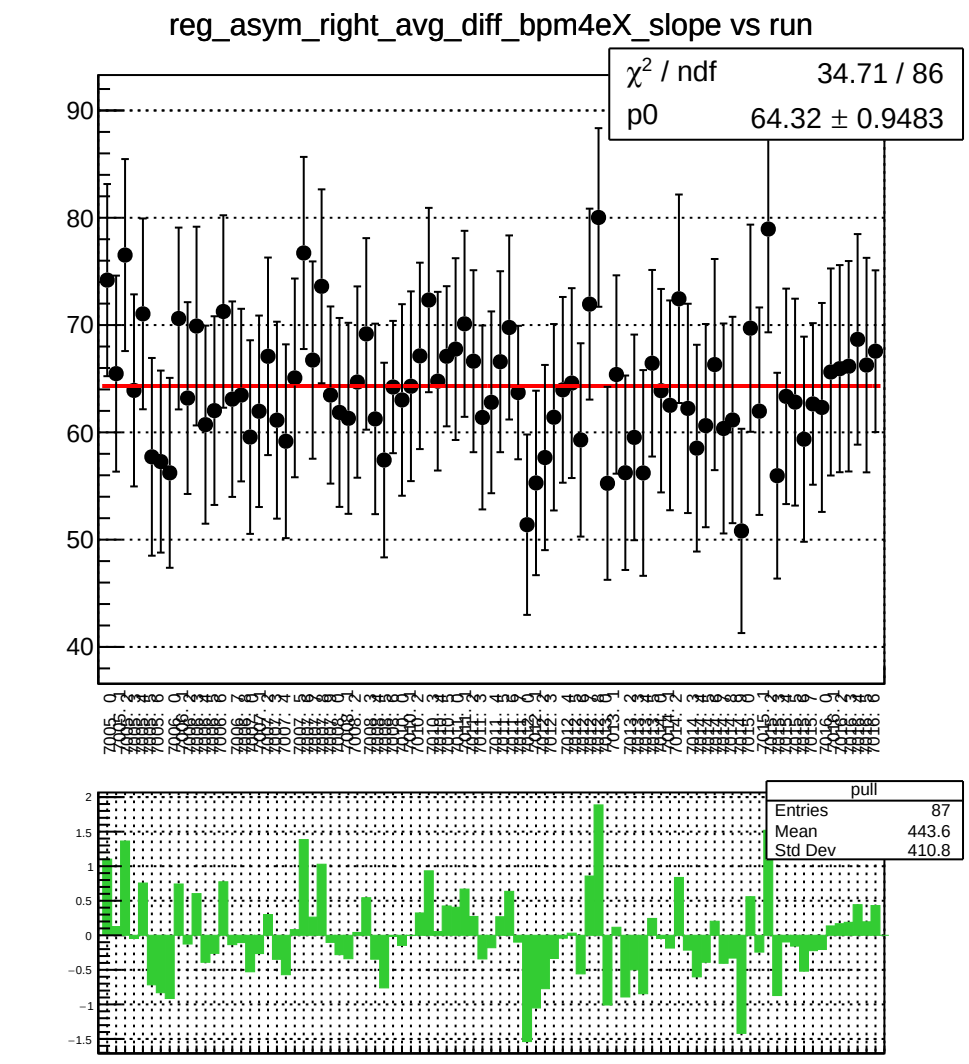

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 82.39 / 86
p0 −20.54 ± 0.03556
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 87
Mean 1031
Std Dev 996.5
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.005675
Std Dev 0.9732
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

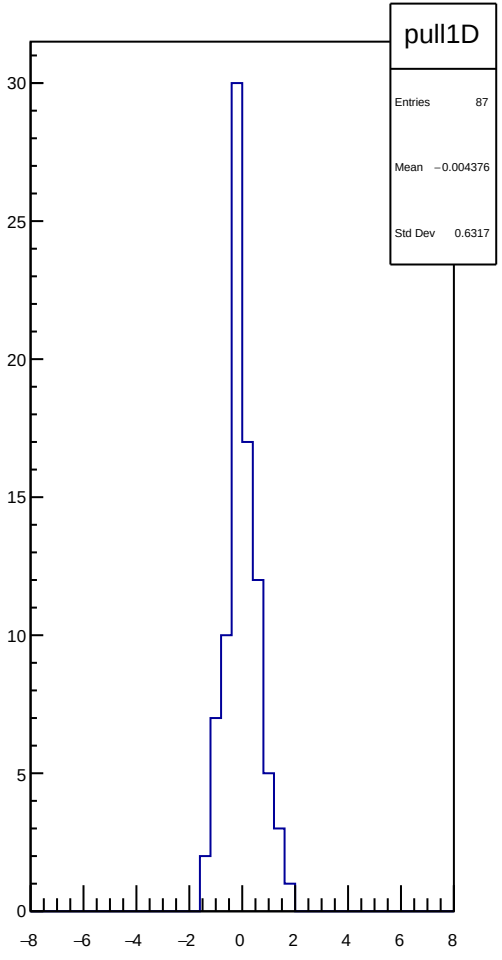

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 35.98 / 86
p0 −36.99 ± 1.022
pull
Entries 87
Mean 374.5
Std Dev 341

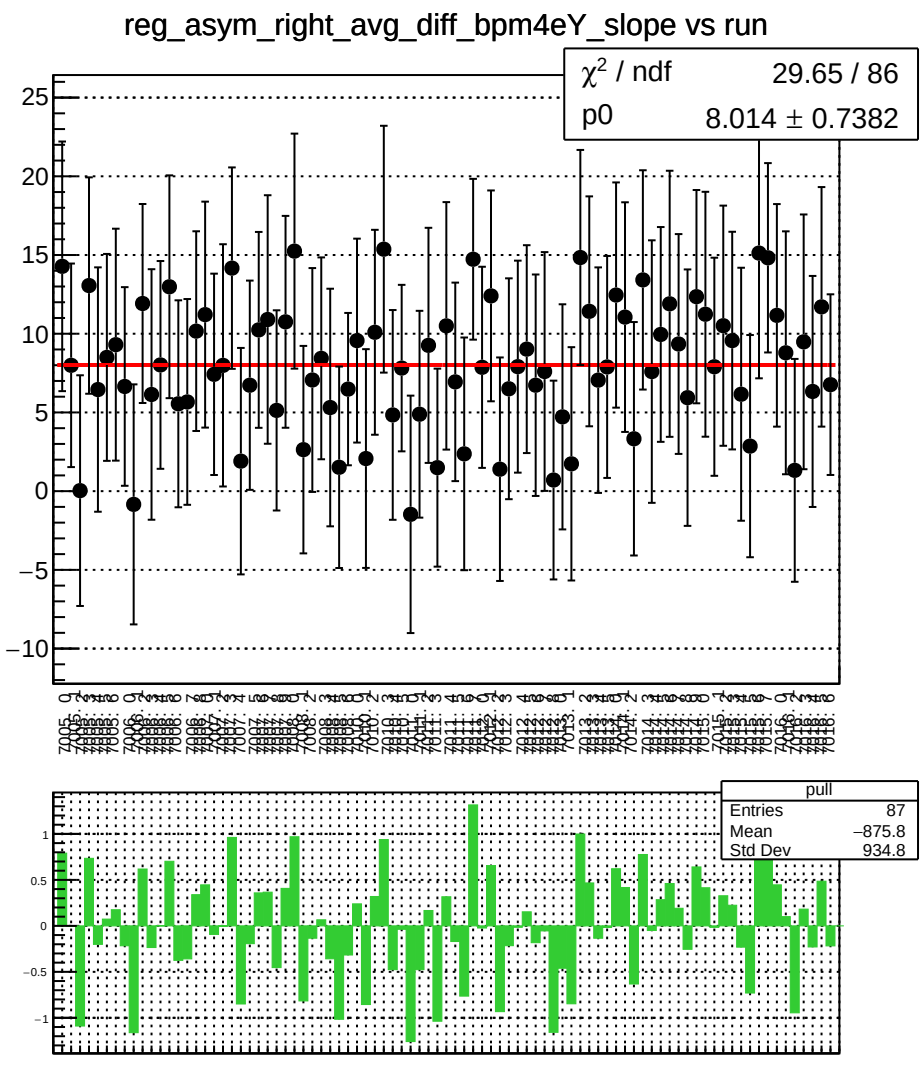

pull1D
Entries 87
Mean 0.00525
Std Dev 0.643

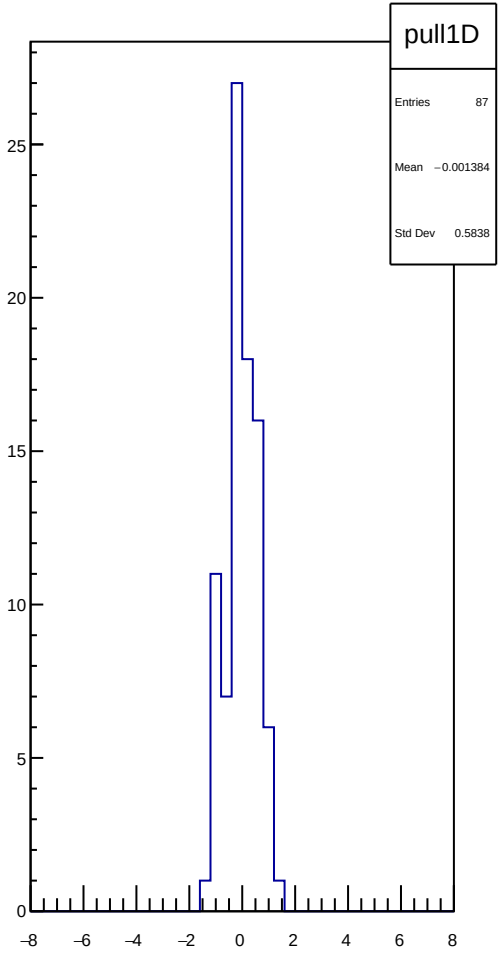

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.8 / 86
p0 0.09185 ± 0.7024
pull
Entries 87
Mean −2.35e+04
Std Dev 2.355e+04

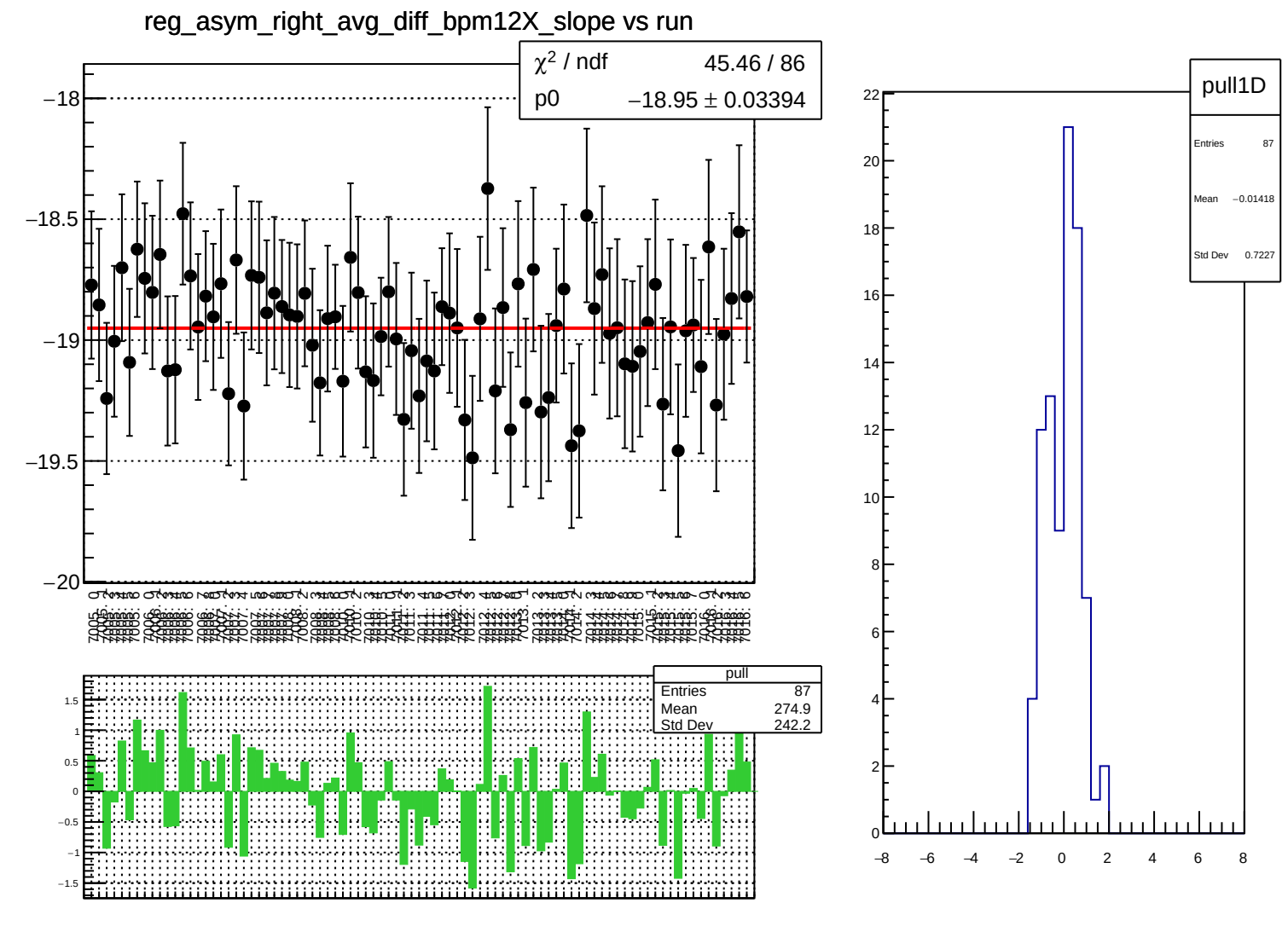

pull1D
Entries 87
Mean 4.161e−05
Std Dev 0.5754

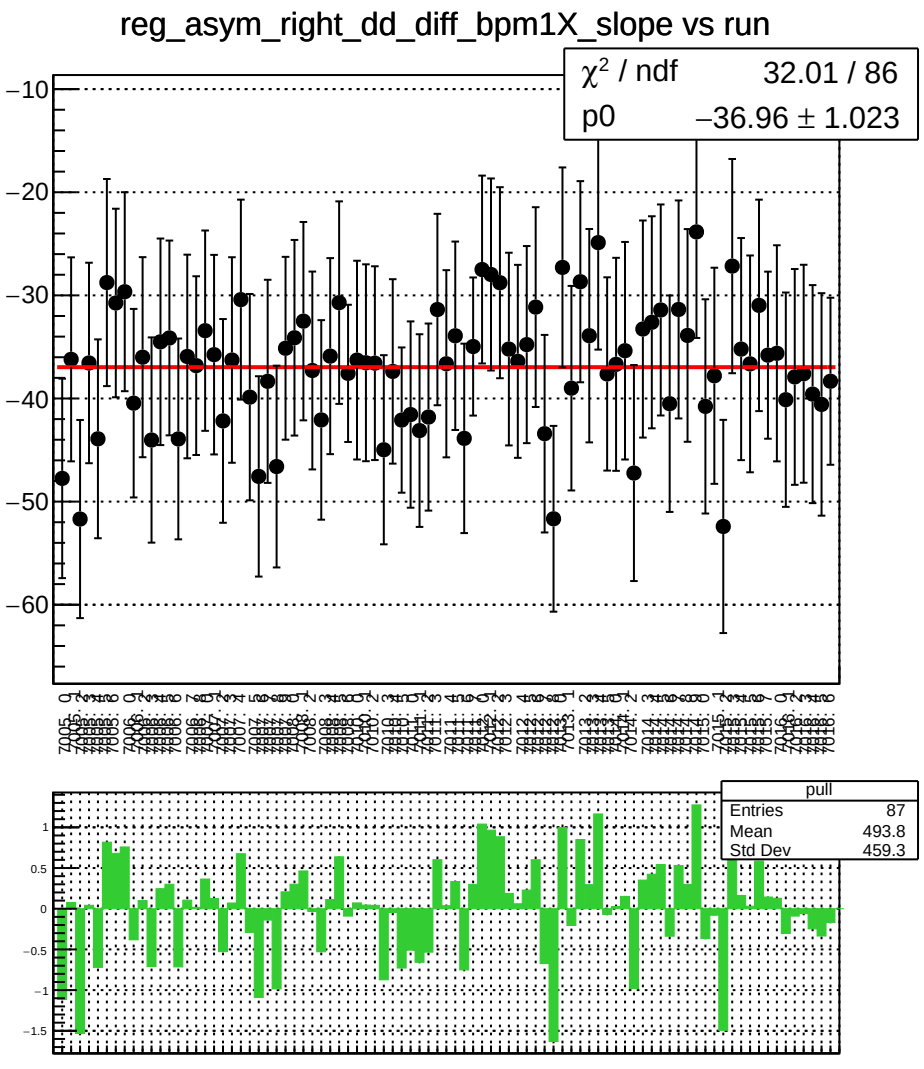

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.71 / 86
p0 64.32 ± 0.9483
pull
Entries 87
Mean 443.6
Std Dev 410.8

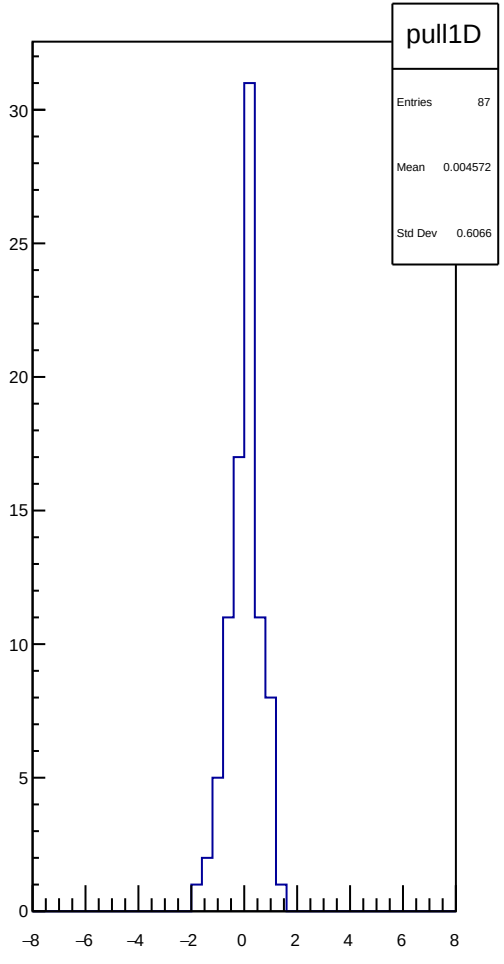

pull1D
Entries 87
Mean −0.004376
Std Dev 0.6317

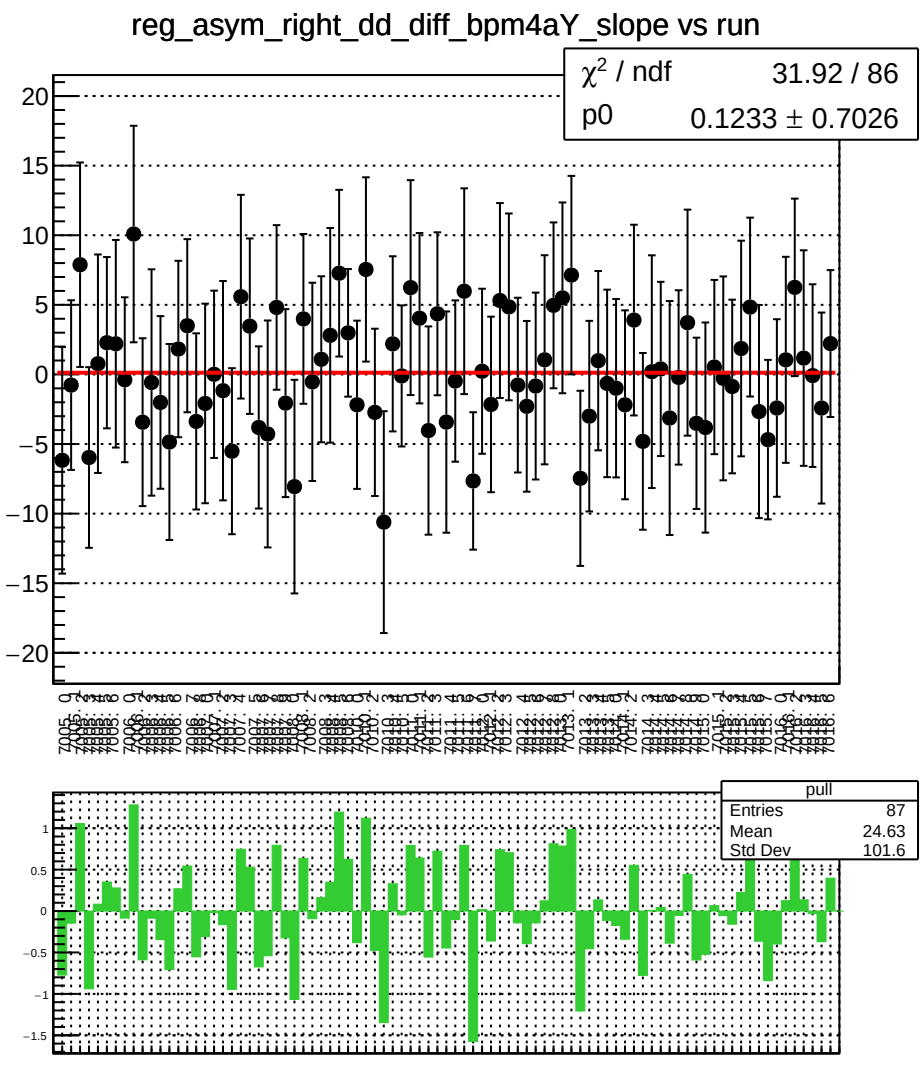

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.65 / 86
p0 8.014 ± 0.7382
pull
Entries 87
Mean −875.8
Std Dev 934.8

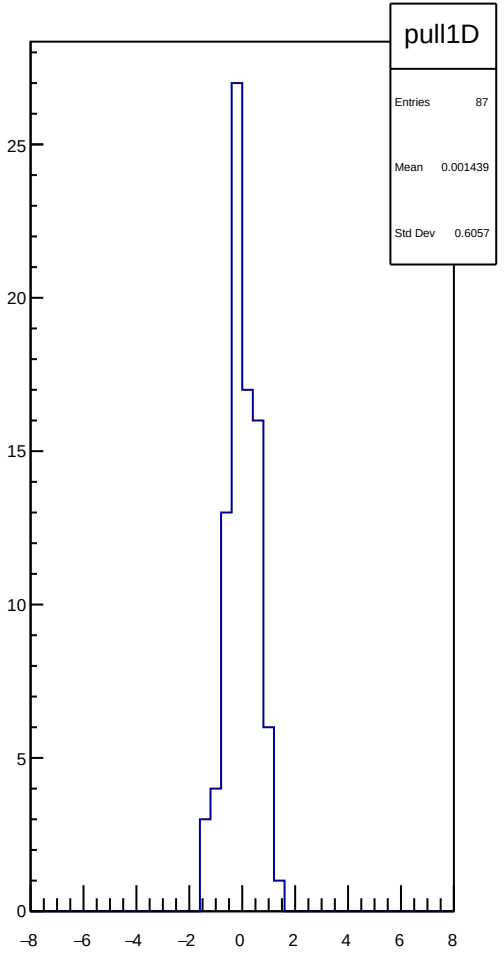

pull1D
Entries 87
Mean −0.001384
Std Dev 0.5838

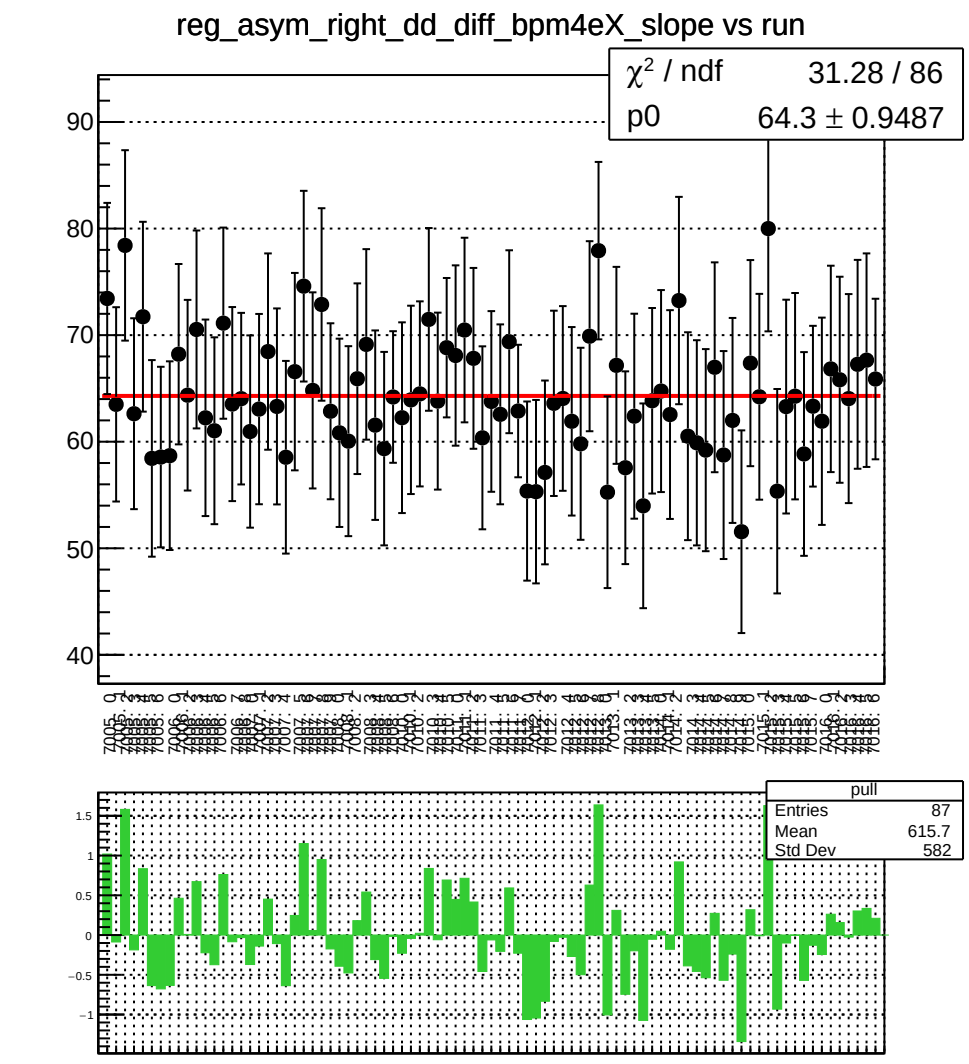

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 45.46 / 86
p0 −18.95 ± 0.03394
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 274.9
Std Dev 242.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.01418
Std Dev 0.7227
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

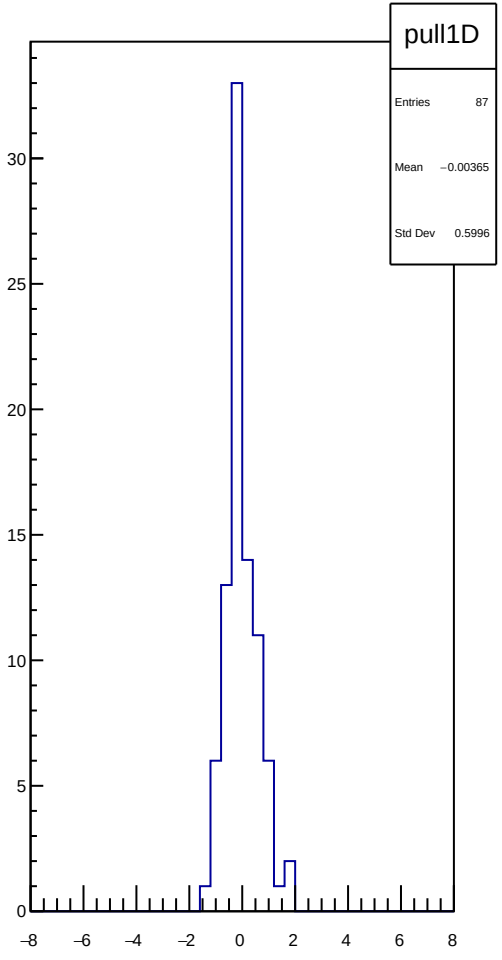

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 32.01 / 86
p0 −36.96 ± 1.023
pull
Entries 87
Mean 493.8
Std Dev 459.3

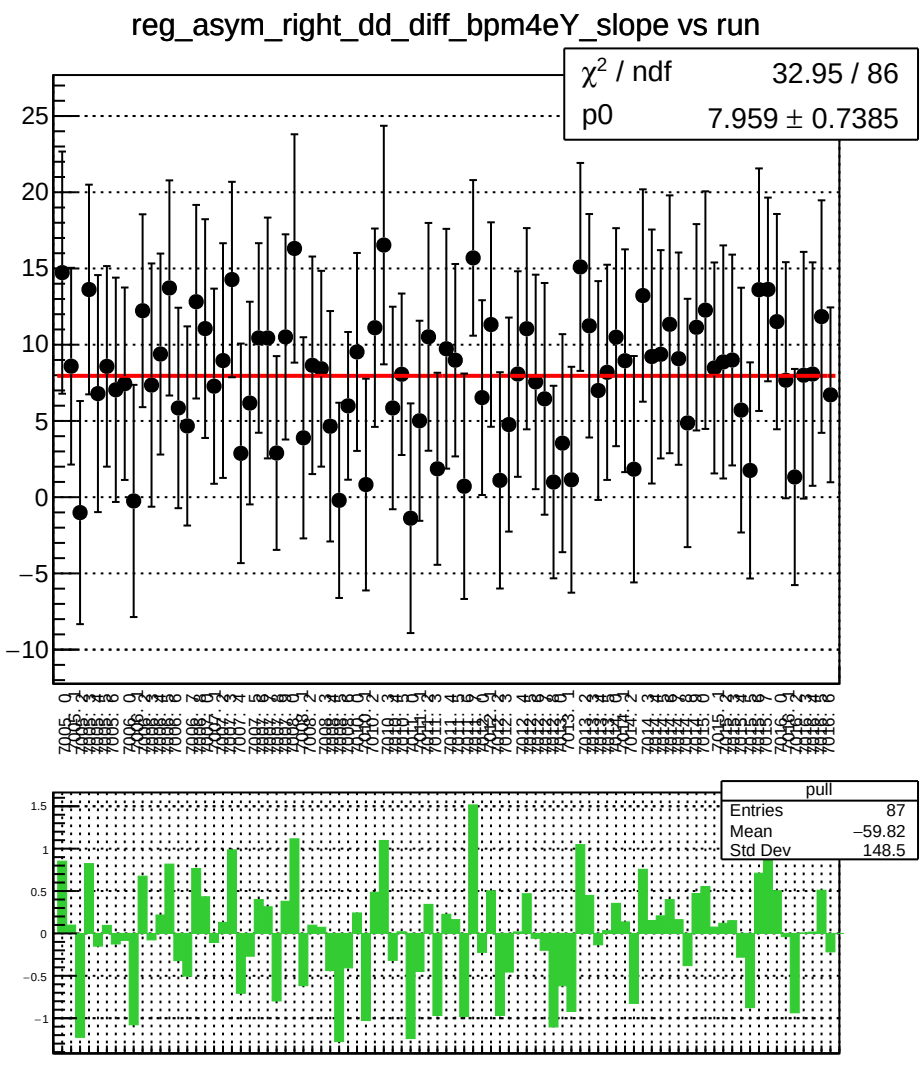

pull1D
Entries 87
Mean 0.004572
Std Dev 0.6066

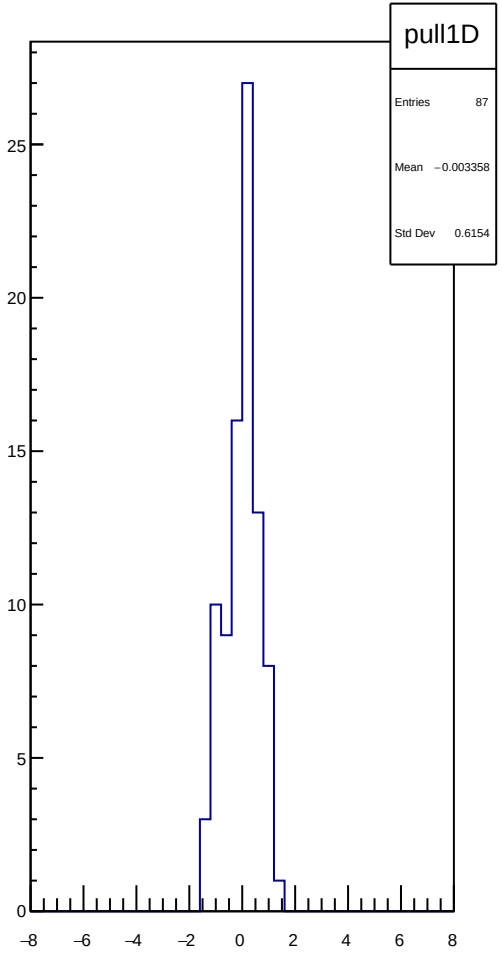

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.92 / 86
p0 0.1233 ± 0.7026
pull
Entries 87
Mean 24.63
Std Dev 101.6

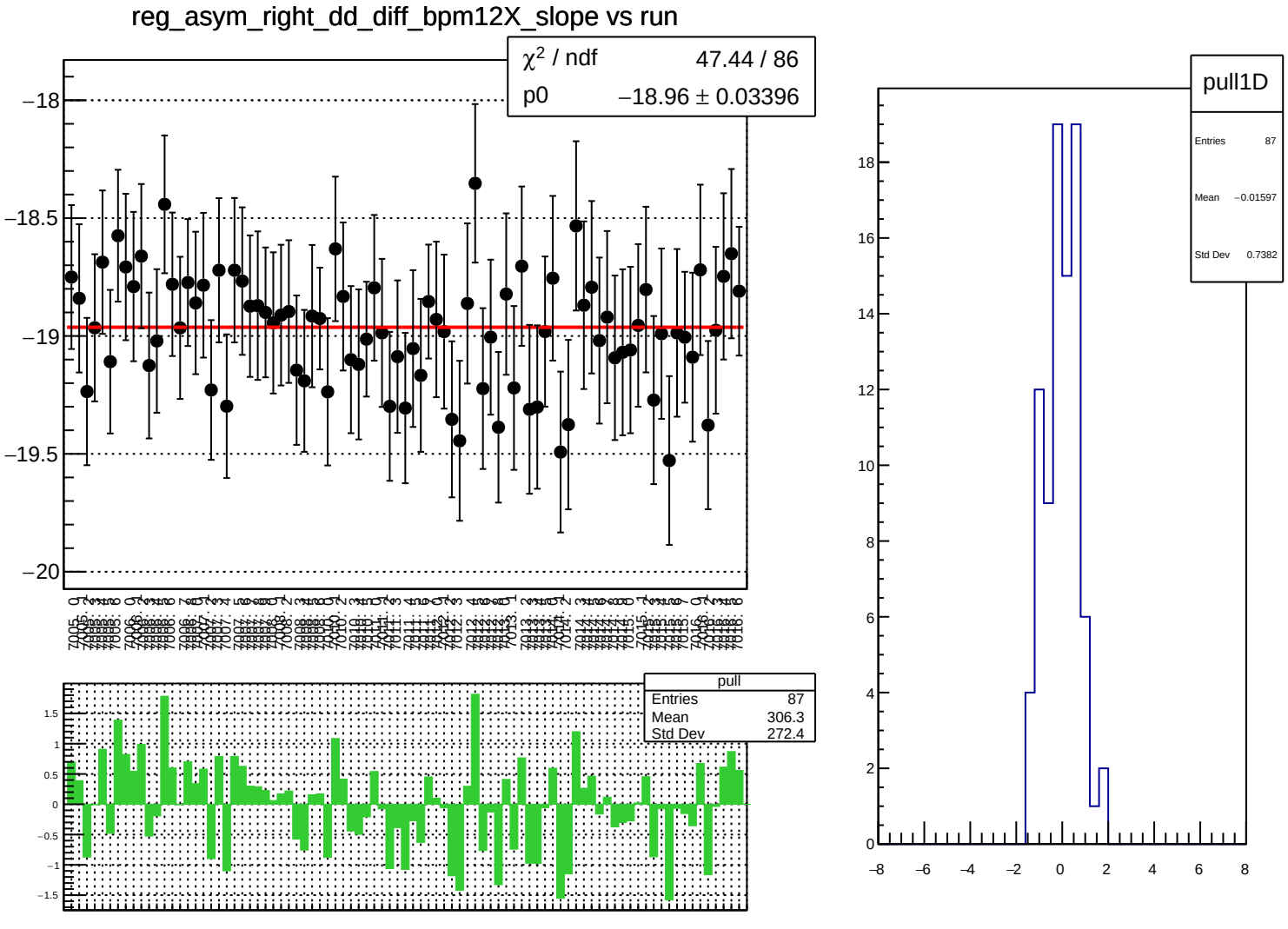

pull1D
Entries 87
Mean 0.001439
Std Dev 0.6057

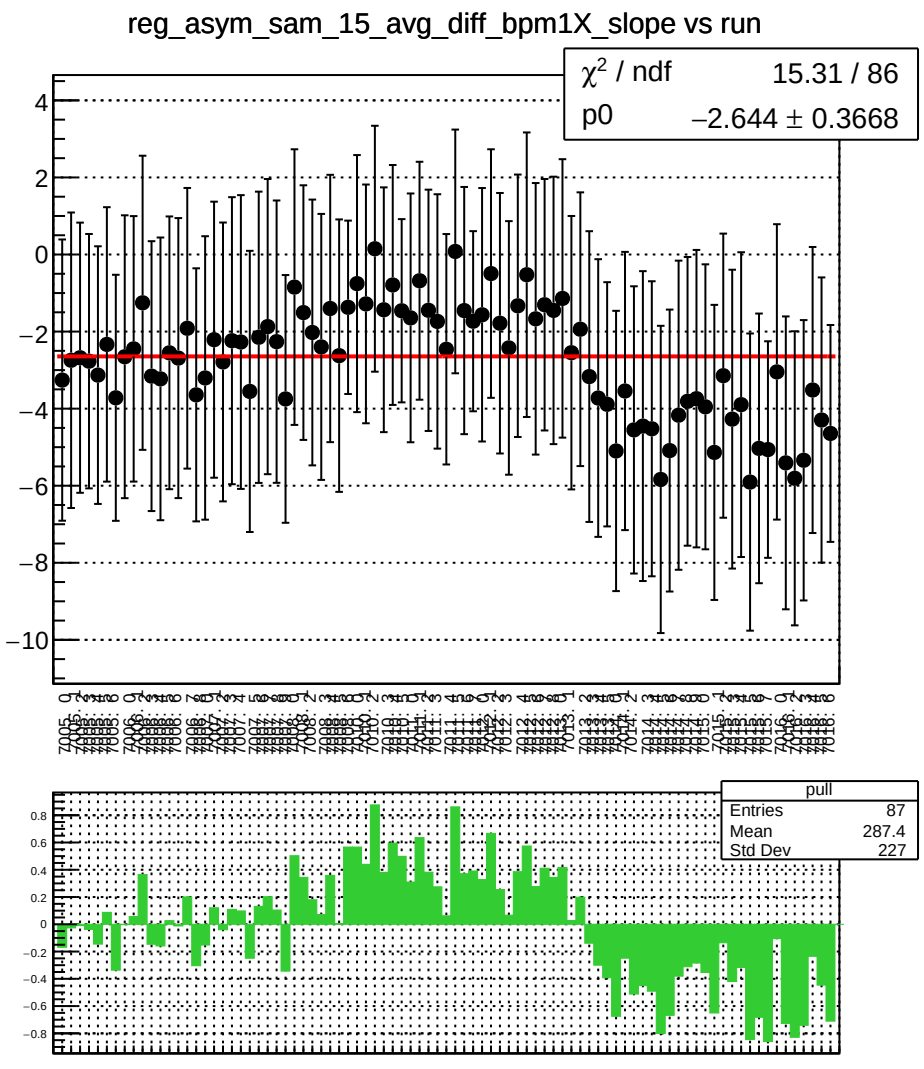

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.28 / 86
p0 64.3 ± 0.9487
pull
Entries 87
Mean 615.7
Std Dev 582

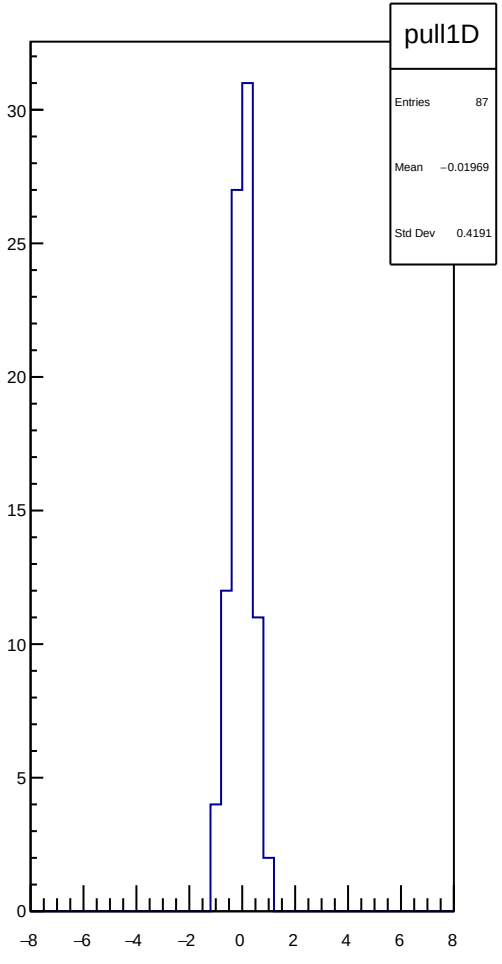

pull1D
Entries 87
Mean −0.00365
Std Dev 0.5996

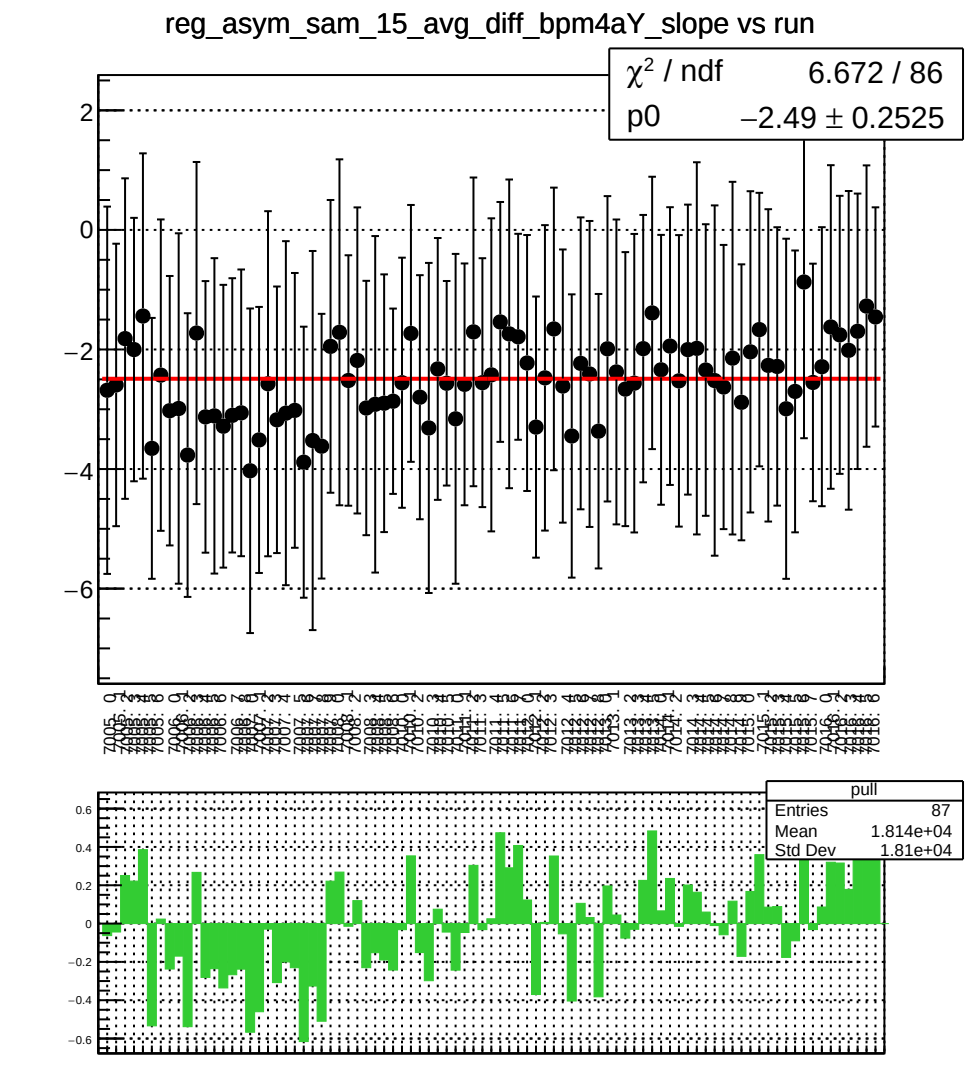

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.95 / 86
p0 7.959 ± 0.7385
pull
Entries 87
Mean −59.82
Std Dev 148.5

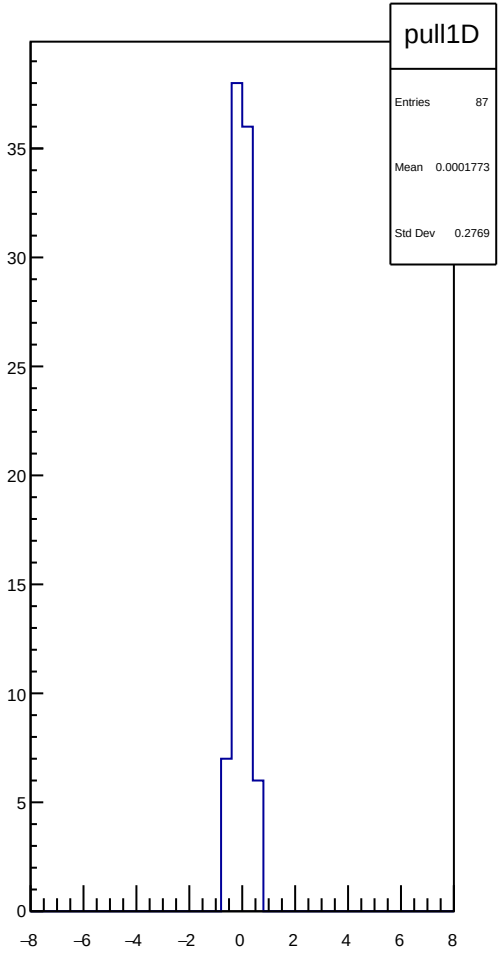

pull1D
Entries 87
Mean −0.003358
Std Dev 0.6154

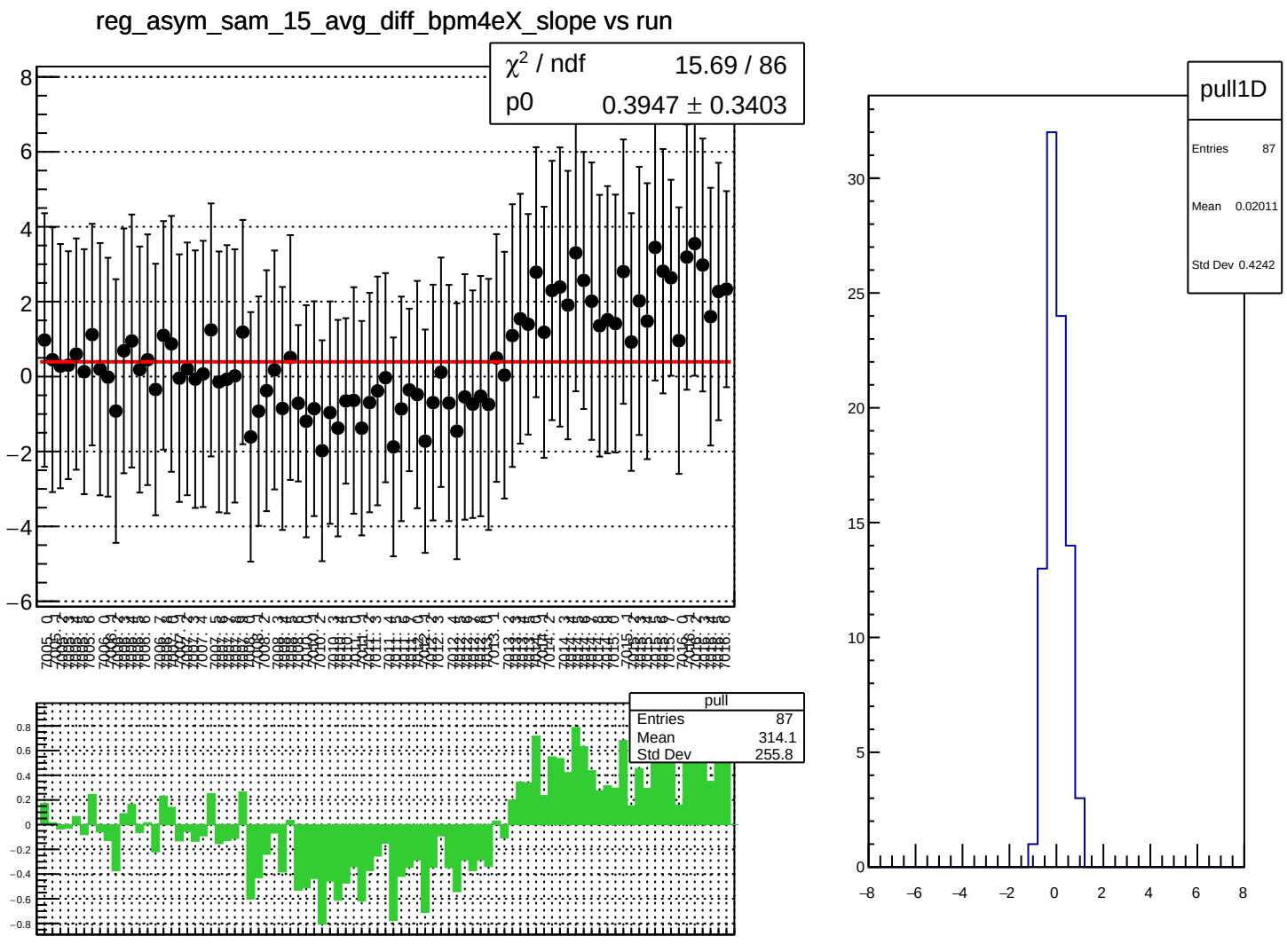

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 47.44 / 86
p0 −18.96 ± 0.03396
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 306.3
Std Dev 272.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.01597
Std Dev 0.7382
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

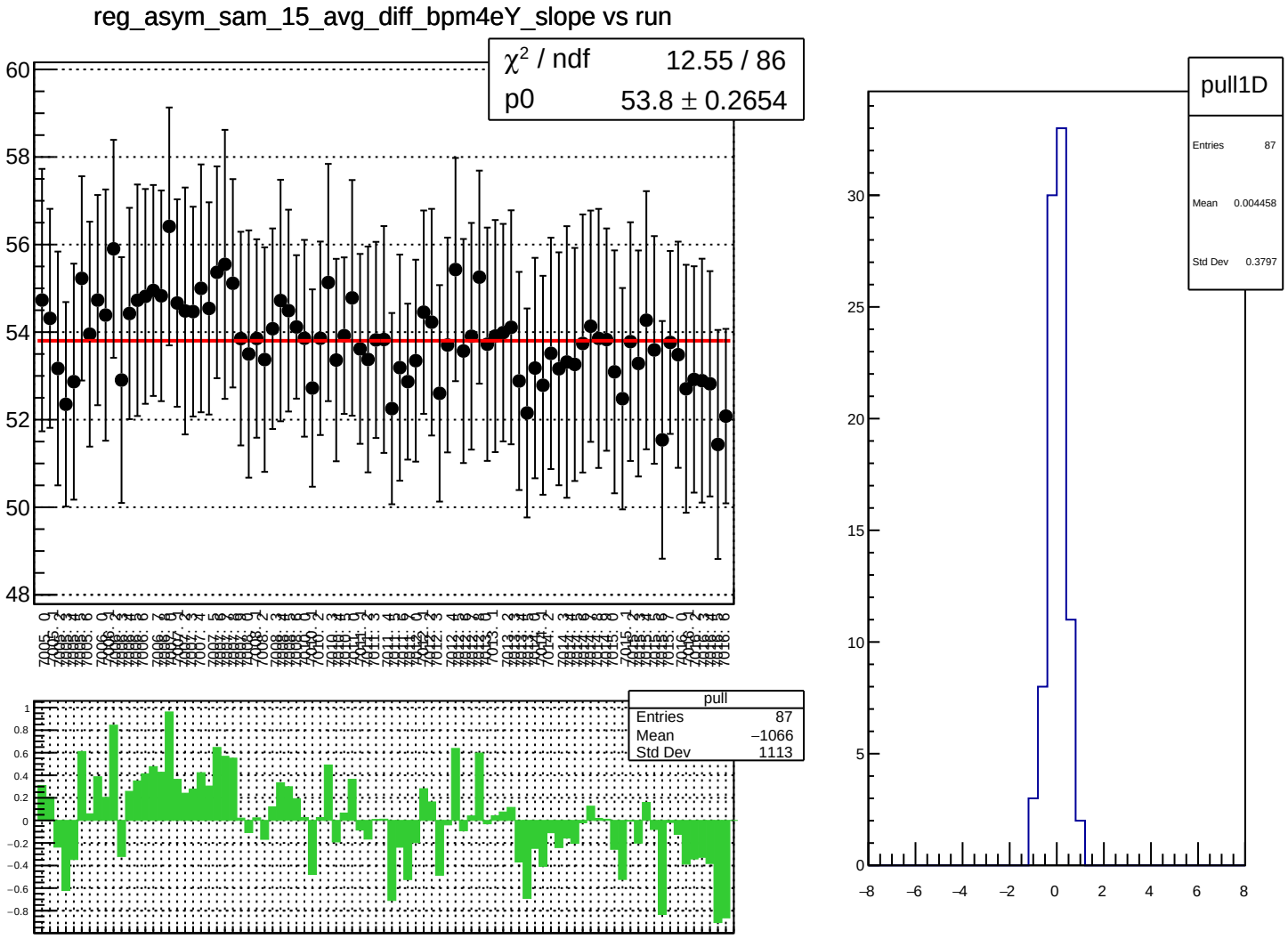

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 15.31 / 86
p0 −2.644 ± 0.3668
pull
Entries 87
Mean 287.4
Std Dev 227

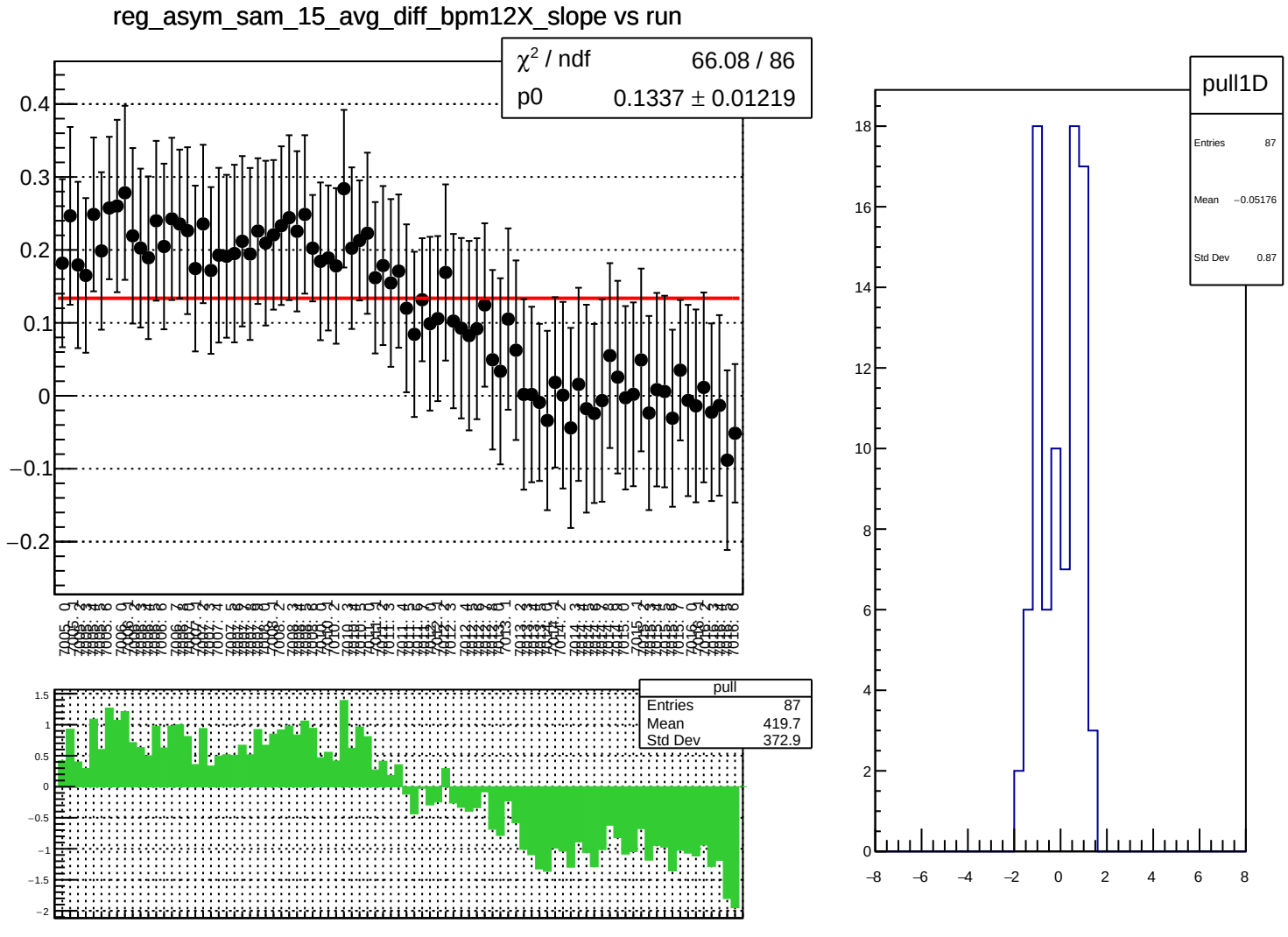

pull1D
Entries 87
Mean −0.01969
Std Dev 0.4191

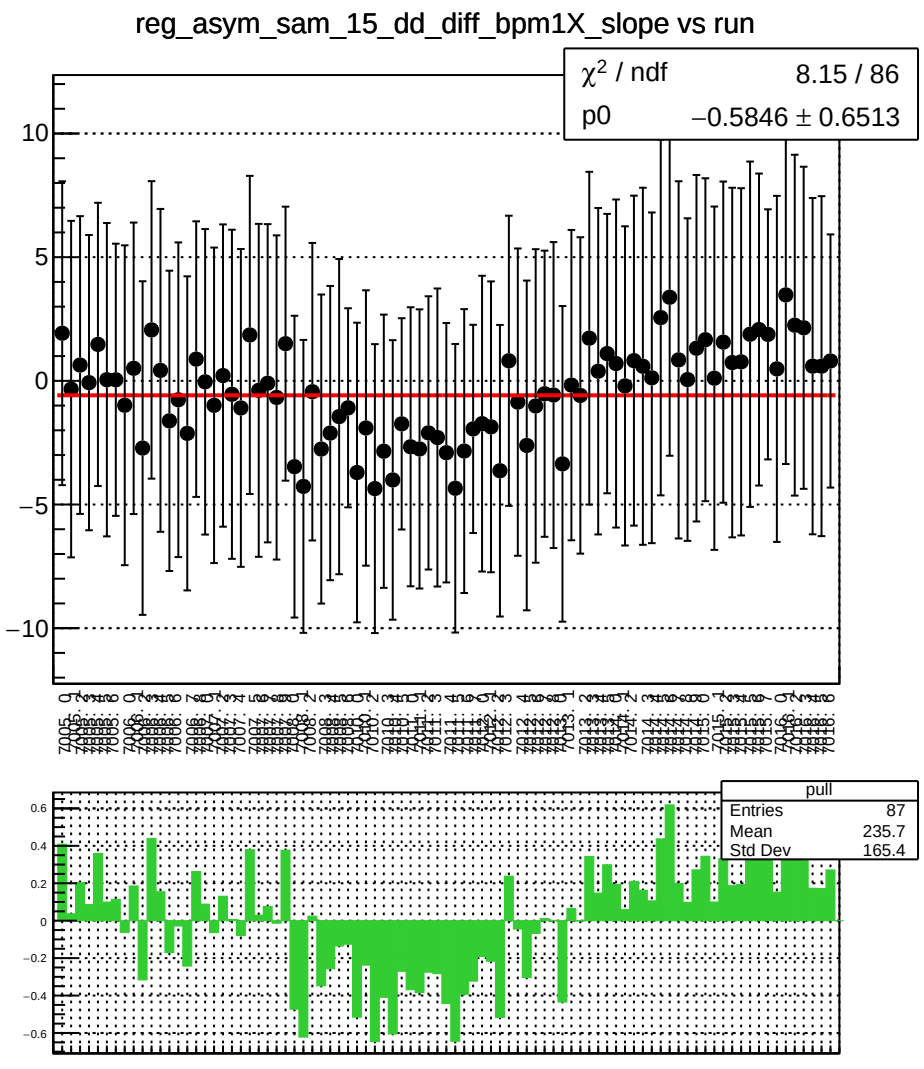

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.672 / 86
p0 −2.49 ± 0.2525
pull
Entries 87
Mean 1.814e+04
Std Dev 1.81e+04

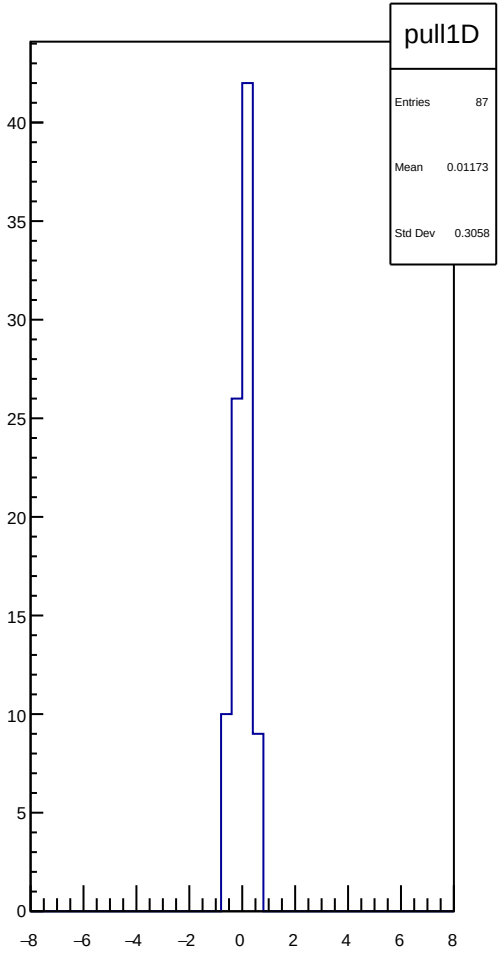

pull1D
Entries 87
Mean 0.0001773
Std Dev 0.2769

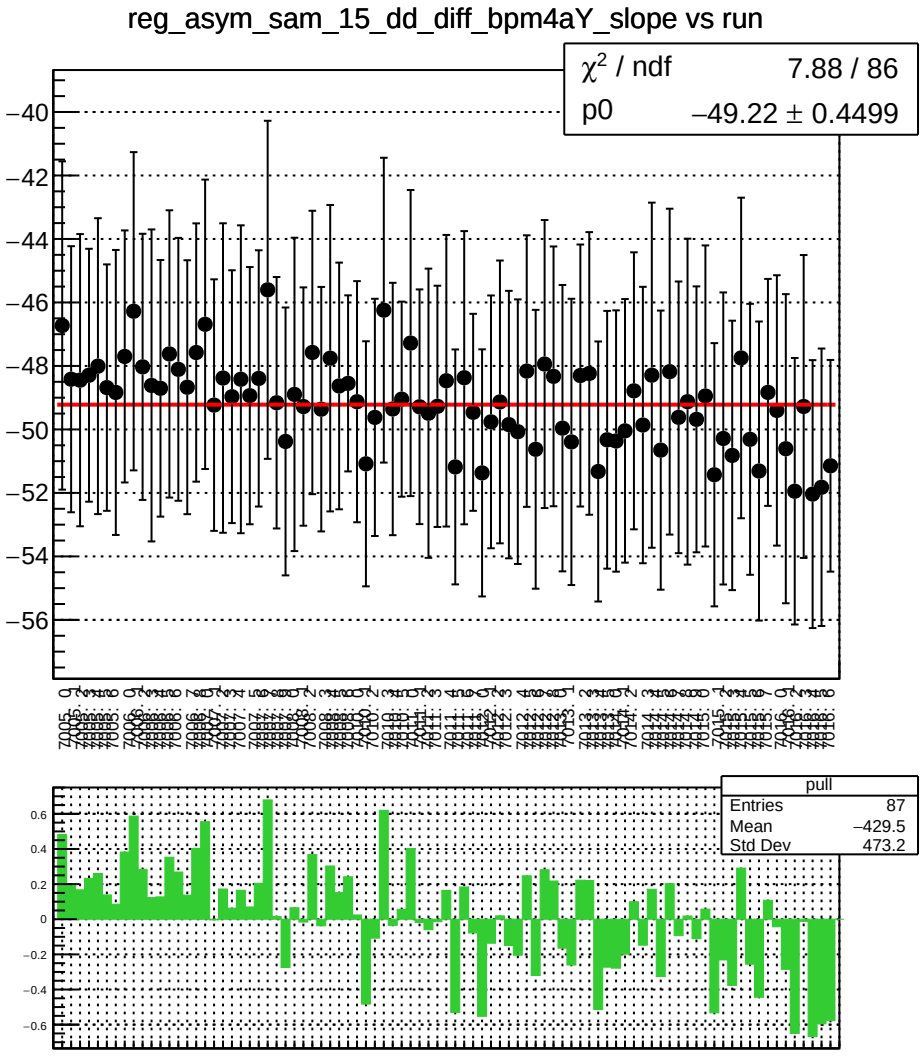

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.69 / 86
p0 0.3947 ± 0.3403
pull
Entries 87
Mean 314.1
Std Dev 255.8
pull1D
Entries 87
Mean 0.02011
Std Dev 0.4242

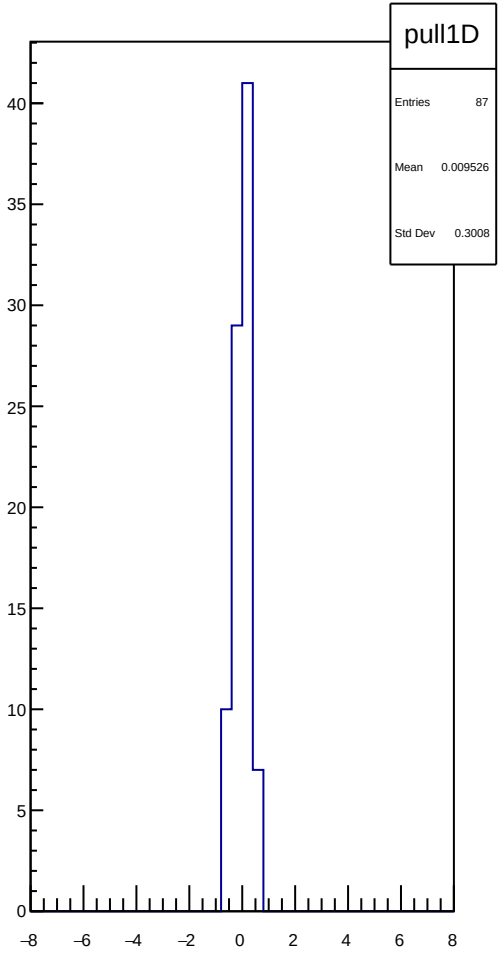

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.55 / 86
p0 53.8 ± 0.2654
pull
Entries 87
Mean −1066
Std Dev 1113
pull1D
Entries 87
Mean 0.004458
Std Dev 0.3797

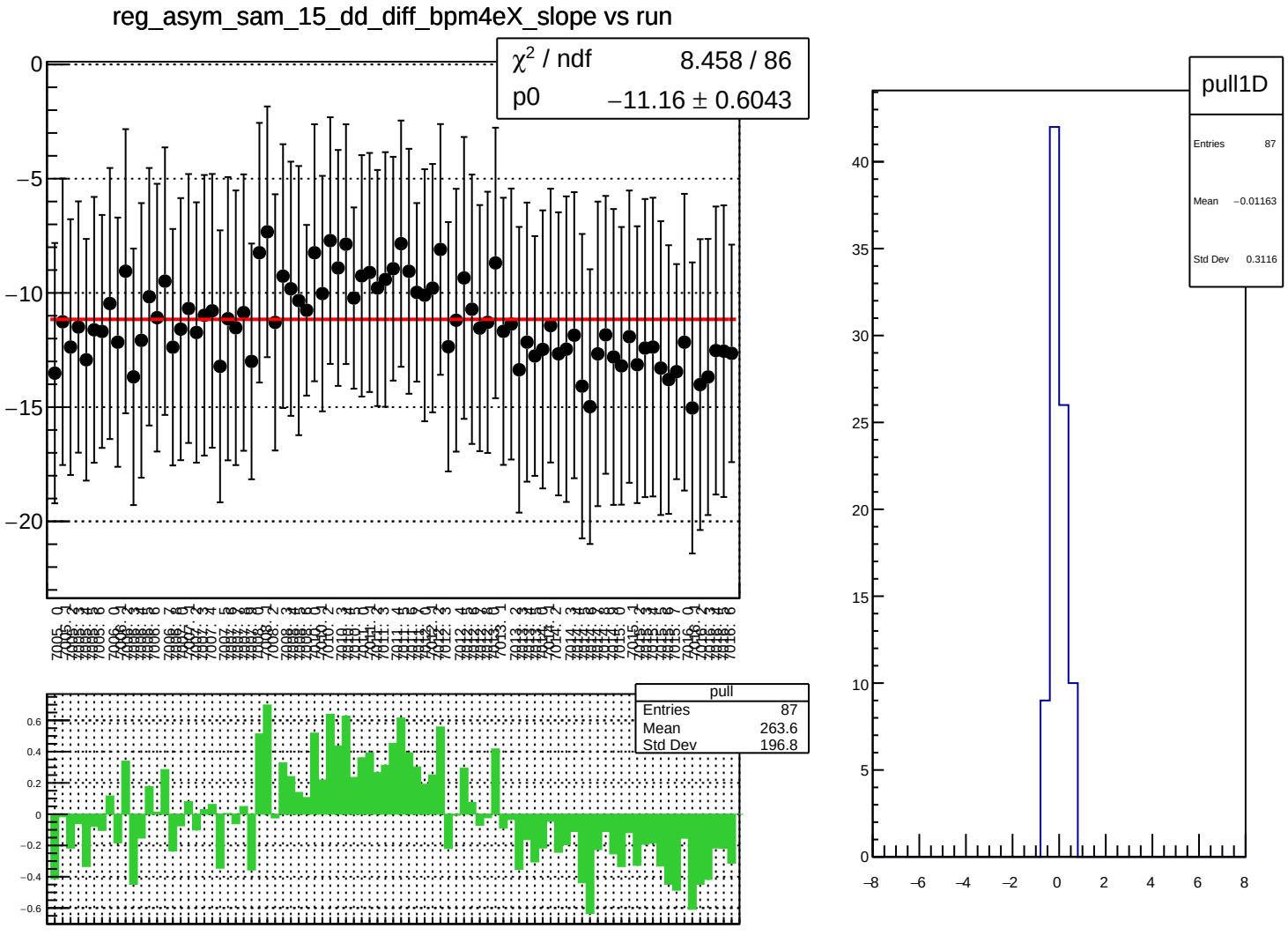

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 66.08 / 86
p0 0.1337 ± 0.01219
pull
Entries 87
Mean 419.7
Std Dev 372.9
pull1D
Entries 87
Mean −0.05176
Std Dev 0.87

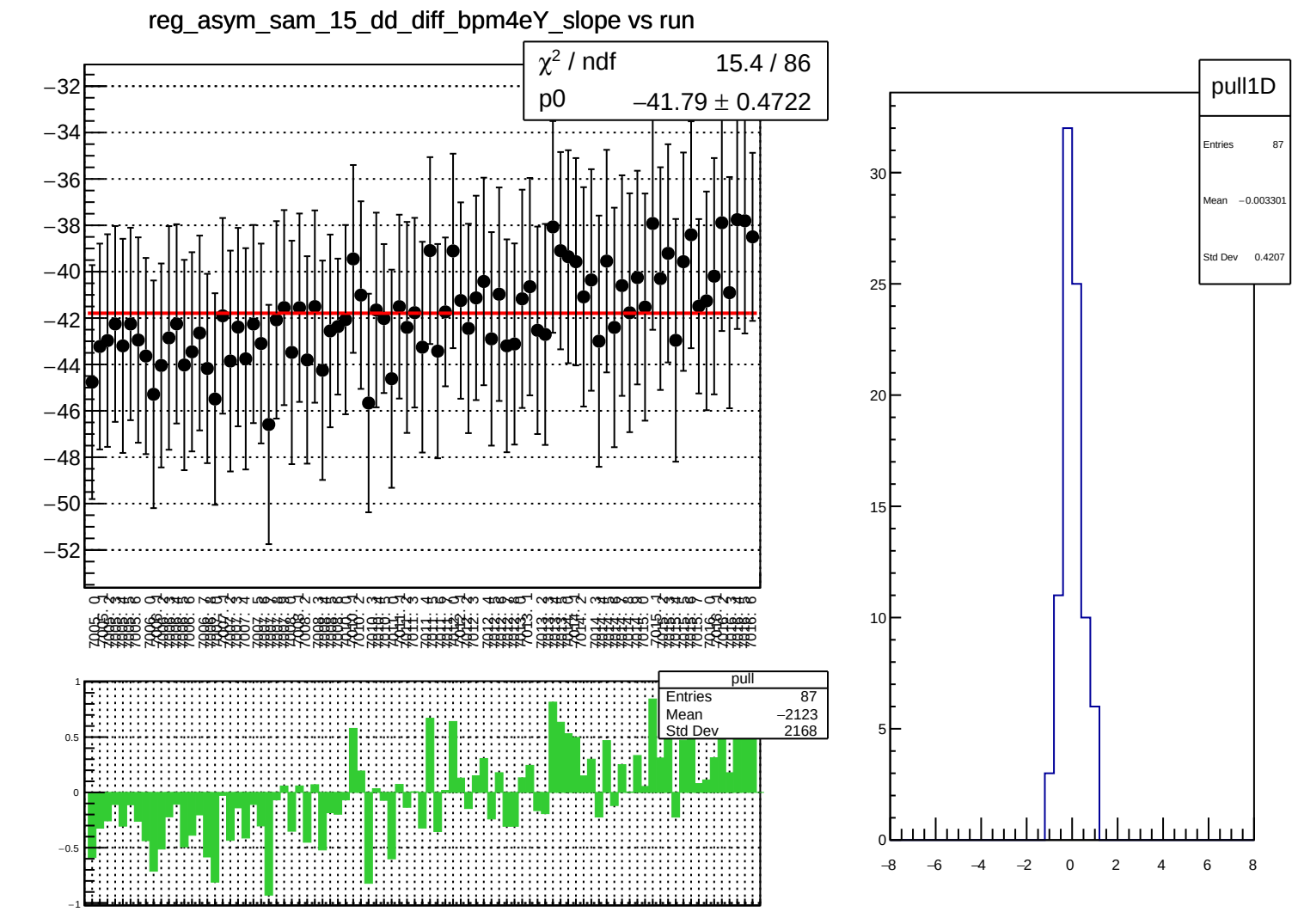

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.15 / 86
p0 −0.5846 ± 0.6513
pull
Entries 87
Mean 235.7
Std Dev 165.4

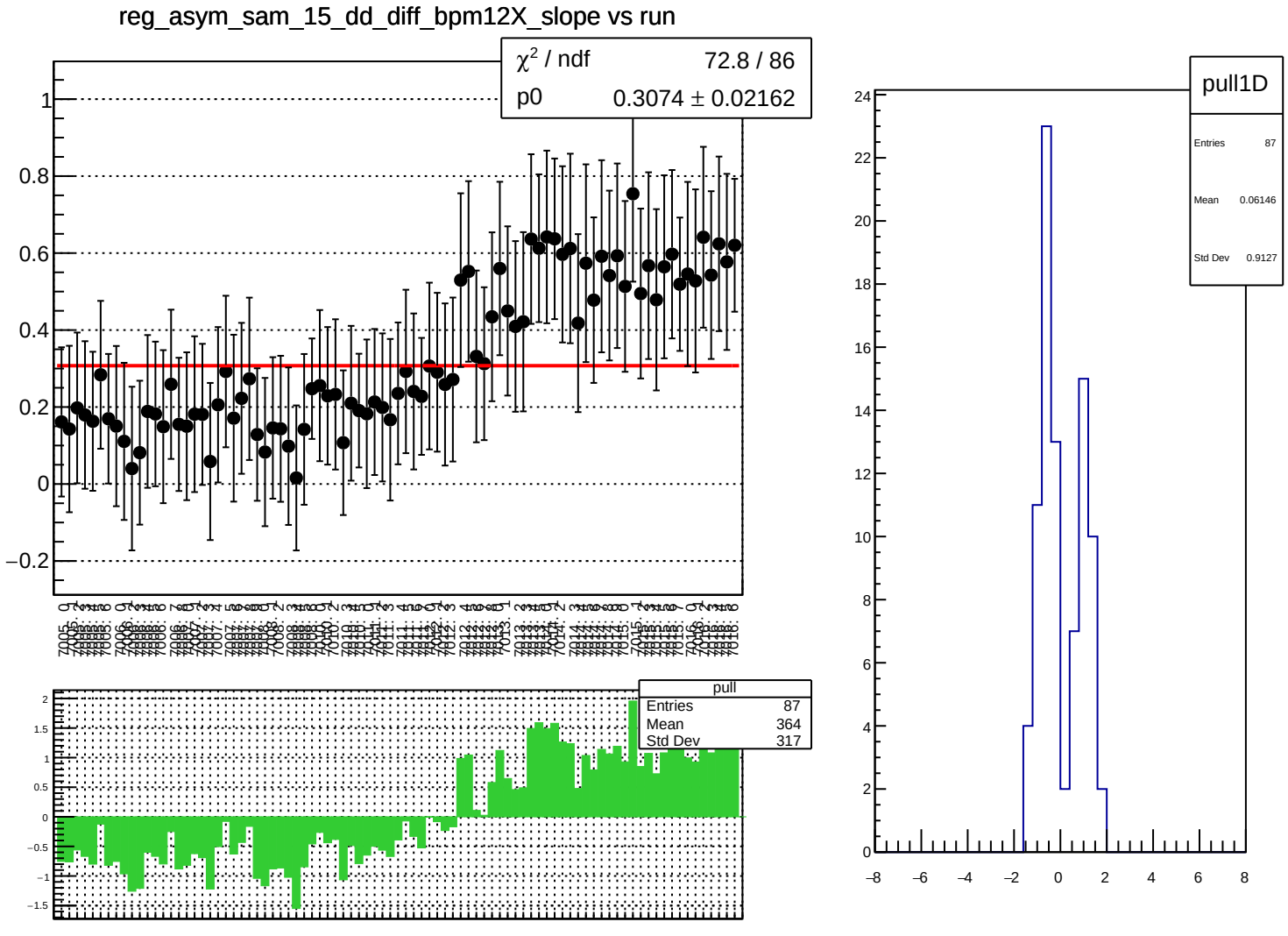

pull1D
Entries 87
Mean 0.01173
Std Dev 0.3058

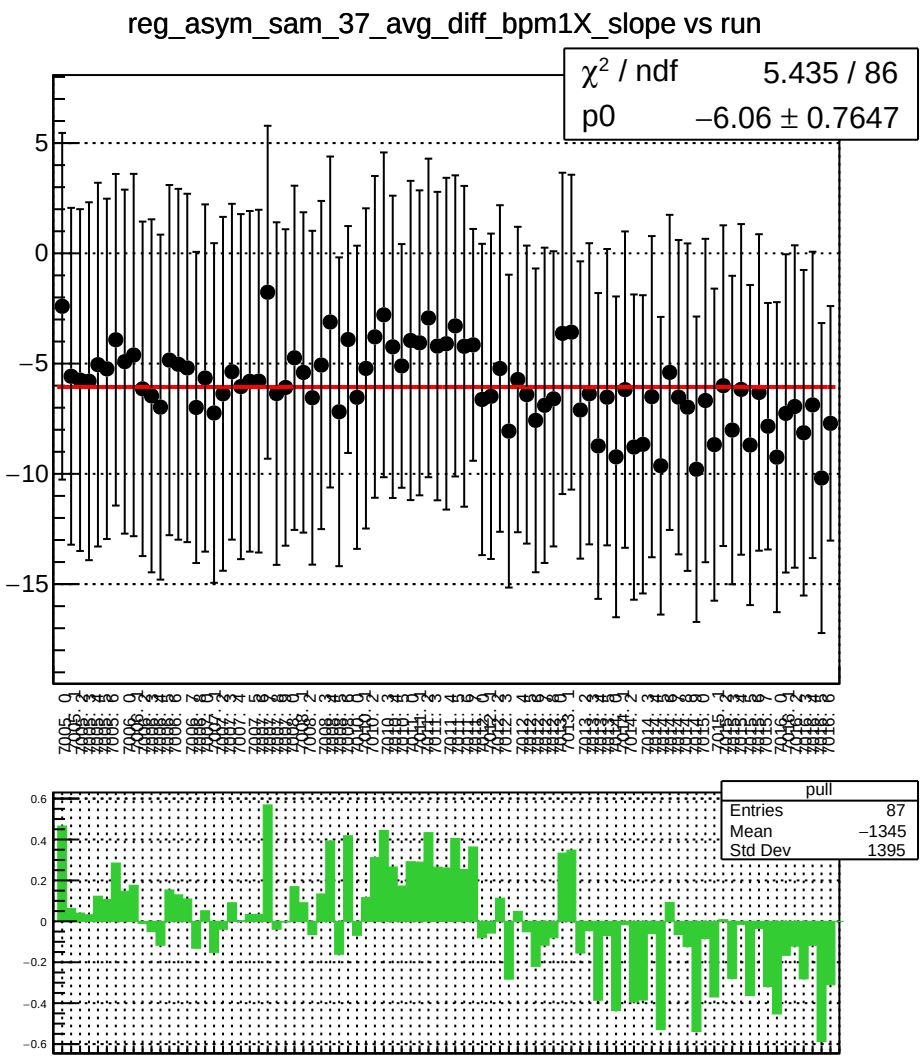

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.88 / 86
p0 −49.22 ± 0.4499
pull
Entries 87
Mean −429.5
Std Dev 473.2

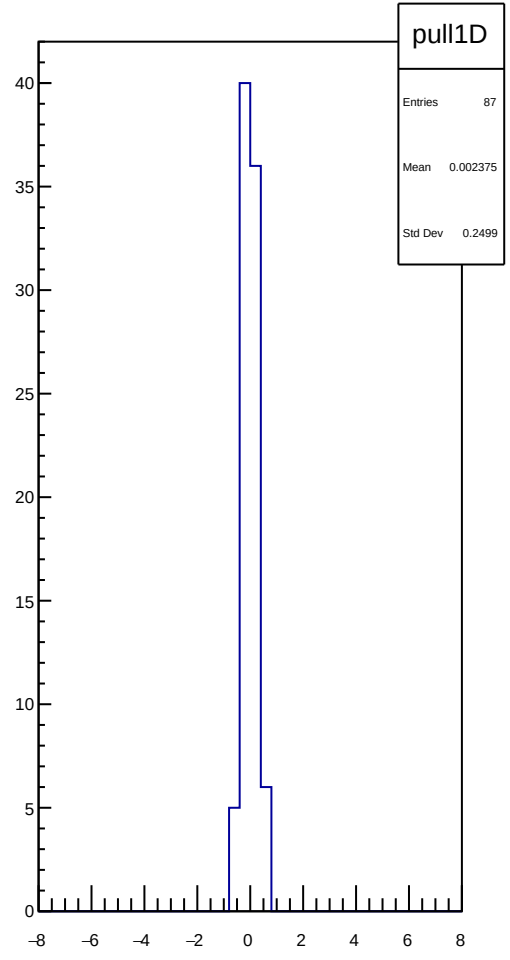

pull1D
Entries 87
Mean 0.009526
Std Dev 0.3008

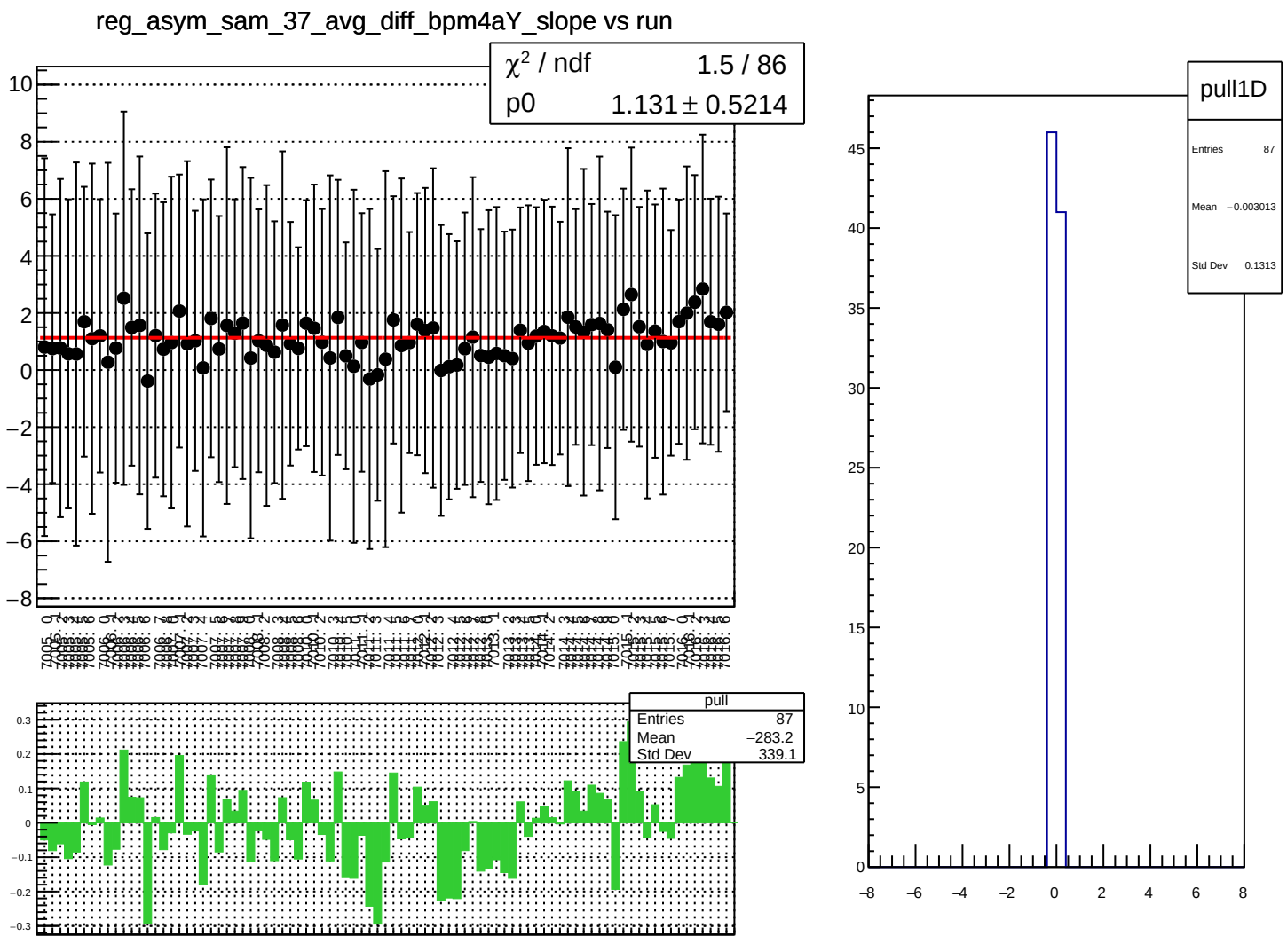

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.458 / 86
p0 −11.16 ± 0.6043
0
−5
−10
−15
−20
pull
Entries 87
Mean 263.6
Std Dev 196.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.01163
Std Dev 0.3116
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

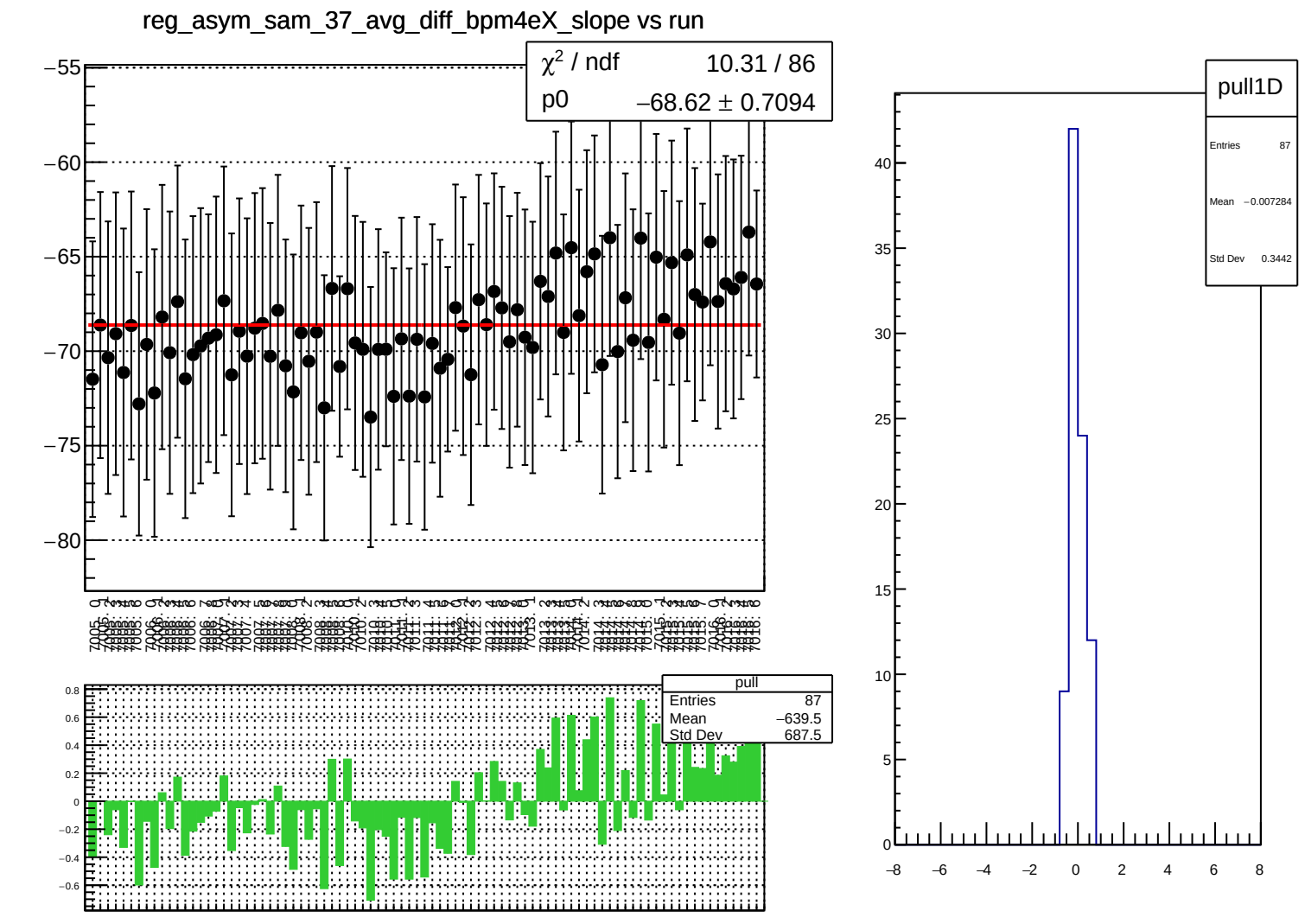

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 86
p0 −41.79 ± 0.4722
pull
Entries 87
Mean −2123
Std Dev 2168
pull1D
Entries 87
Mean −0.003301
Std Dev 0.4207

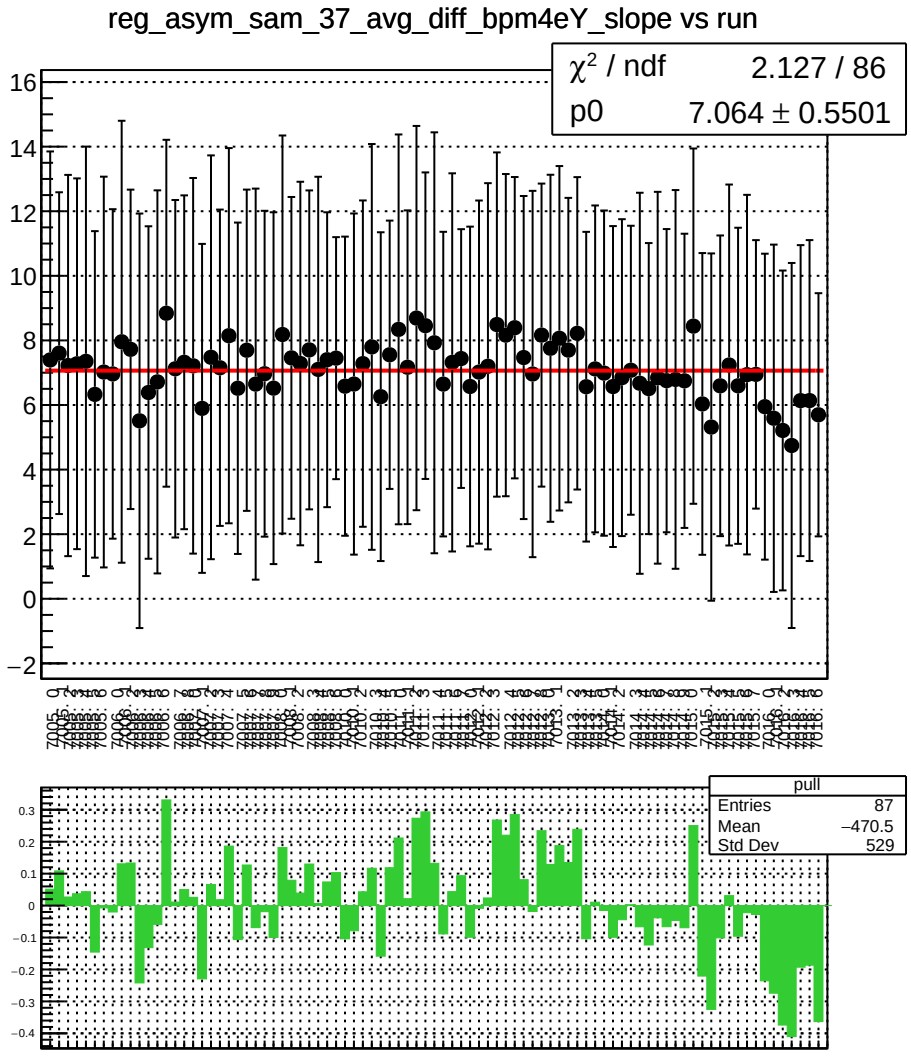

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 72.8 / 86
p0 0.3074 ± 0.02162
pull
Entries 87
Mean 364
Std Dev 317
pull1D
Entries 87
Mean 0.06146
Std Dev 0.9127

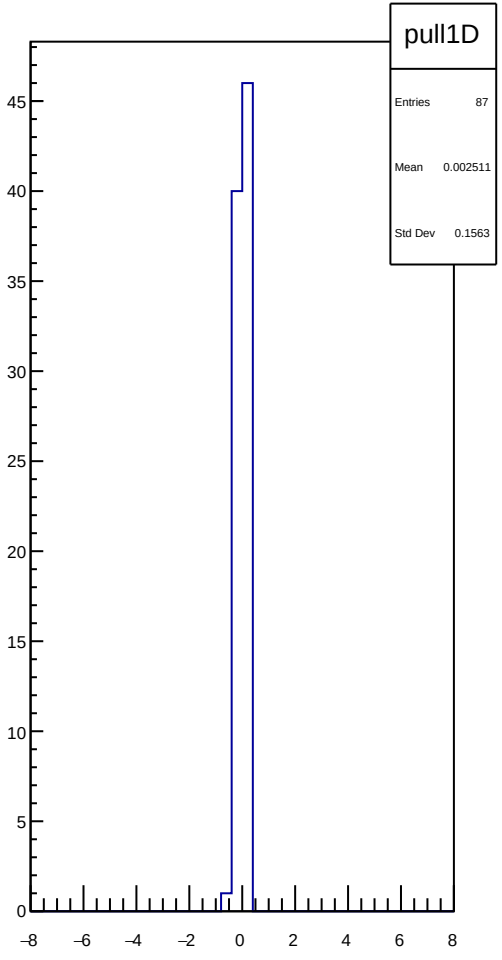

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 5.435 / 86
p0 −6.06 ± 0.7647
pull
Entries 87
Mean −1345
Std Dev 1395

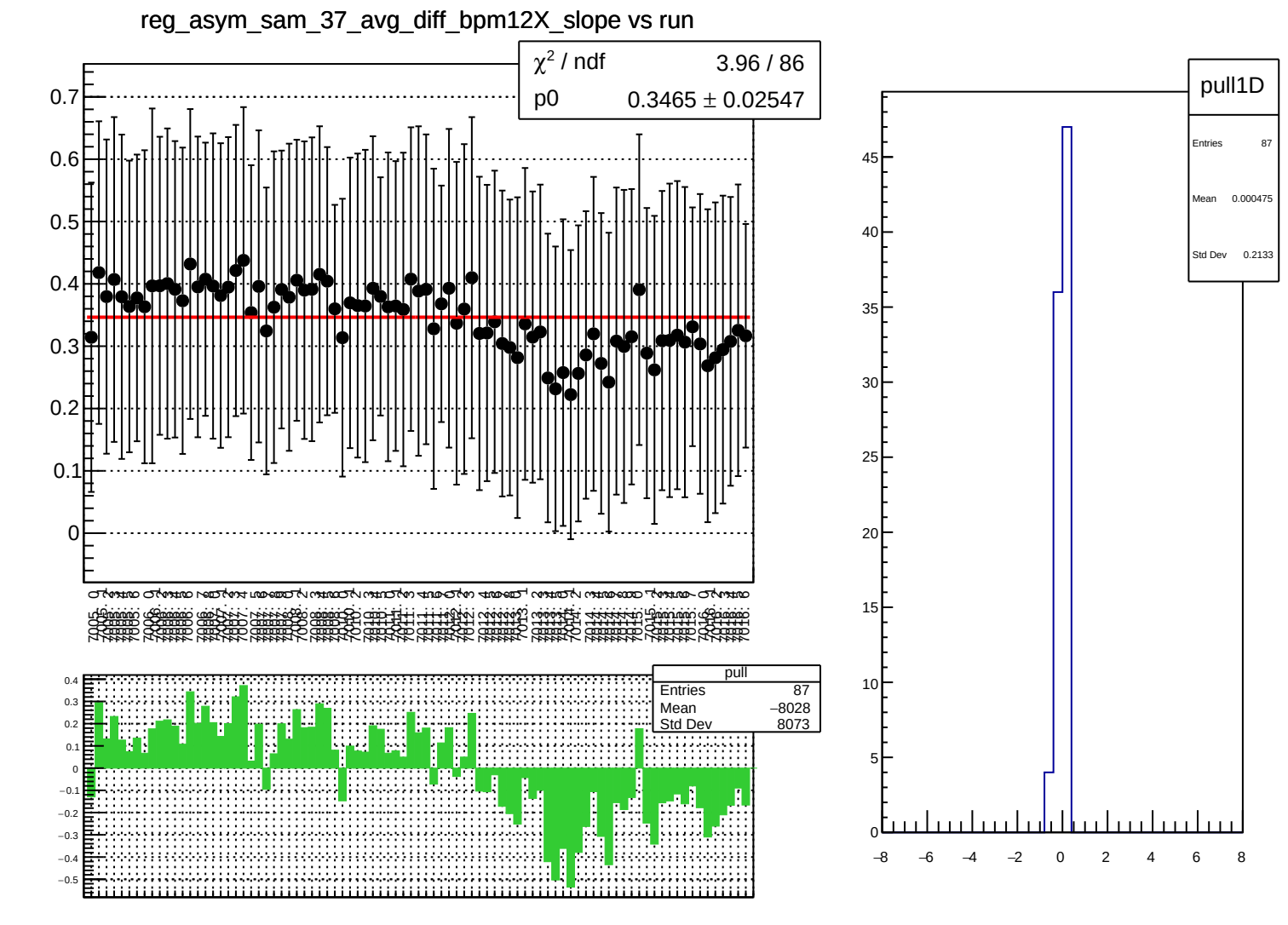

pull1D
Entries 87
Mean 0.002375
Std Dev 0.2499

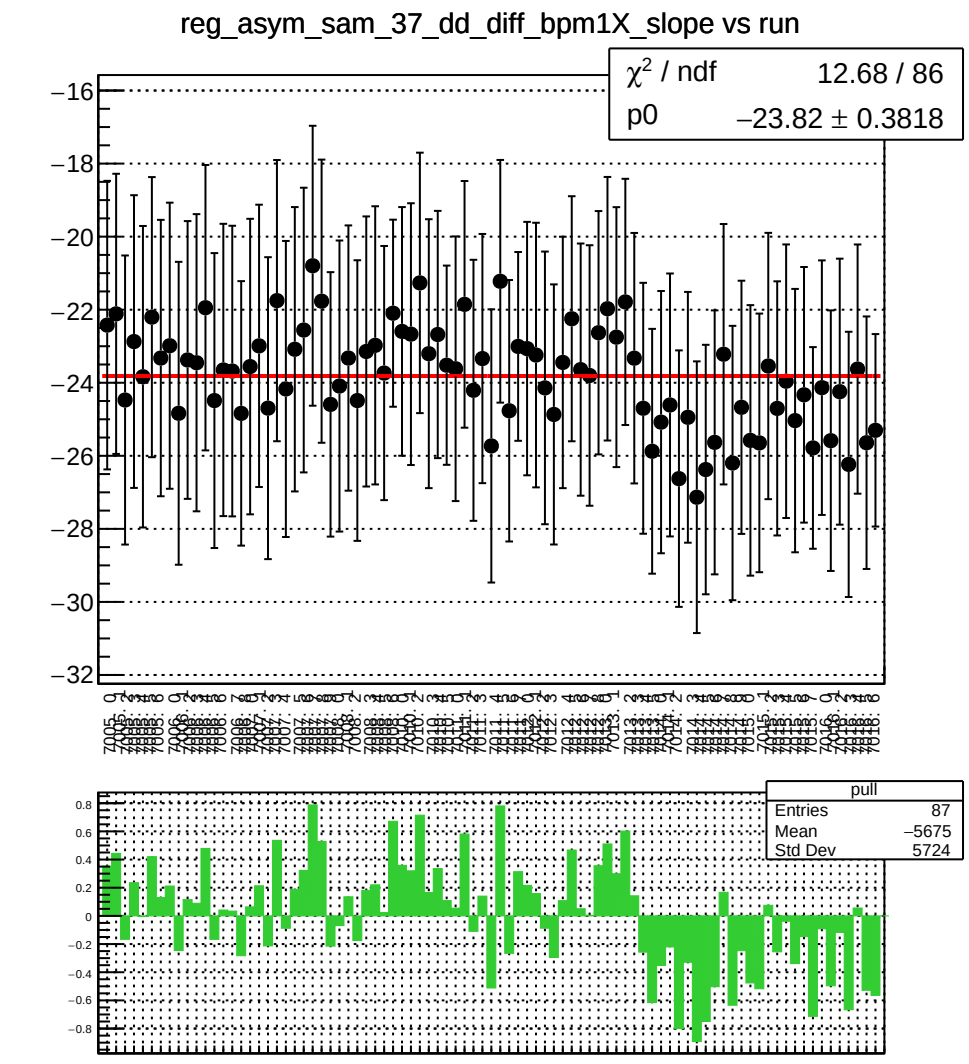

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.5 / 86
p0 1.131 ± 0.5214
pull
Entries 87
Mean −283.2
Std Dev 339.1
pull1D
Entries 87
Mean −0.003013
Std Dev 0.1313

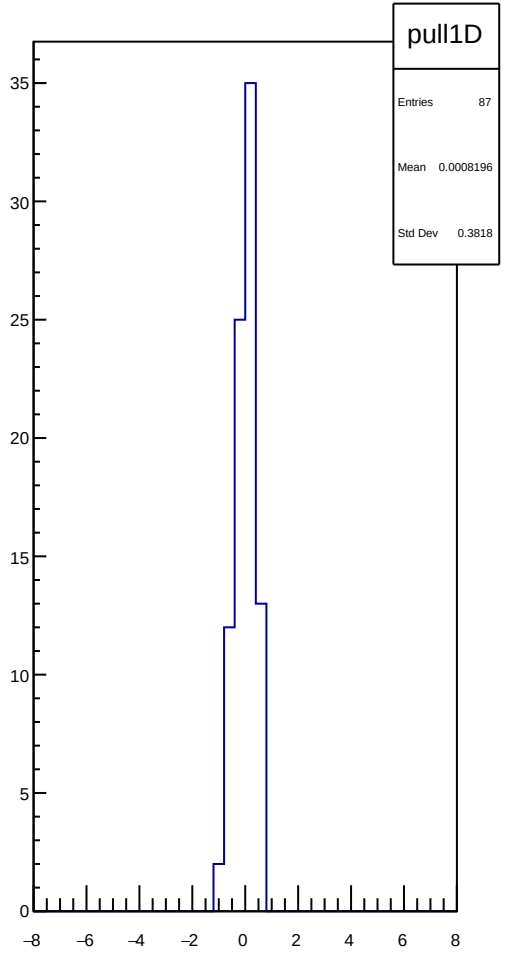

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.31 / 86
p0 −68.62 ± 0.7094
pull
Entries 87
Mean −639.5
Std Dev 687.5
pull1D
Entries 87
Mean −0.007284
Std Dev 0.3442

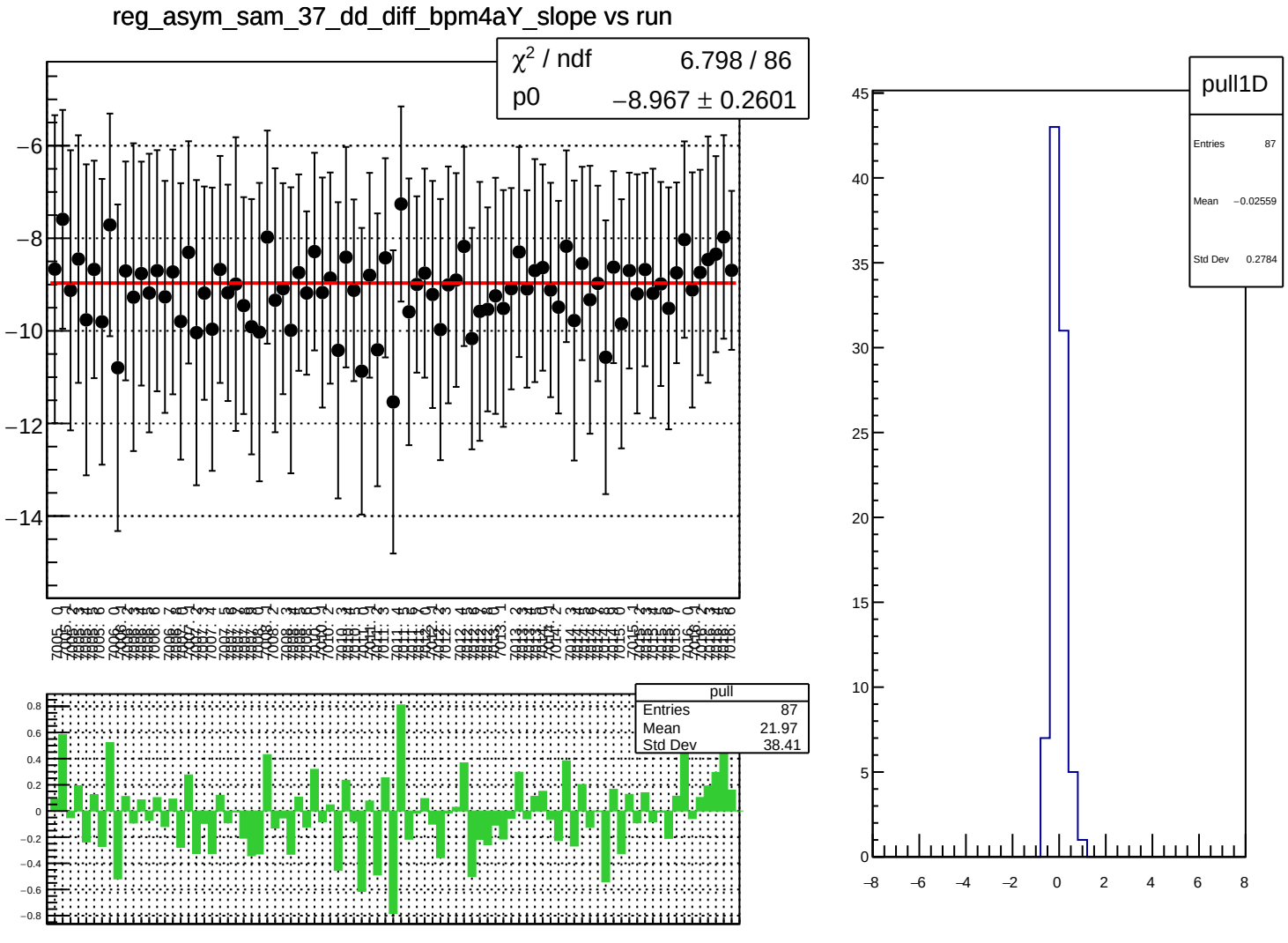

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.127 / 86
p0 7.064 ± 0.5501
pull
Entries 87
Mean −470.5
Std Dev 529

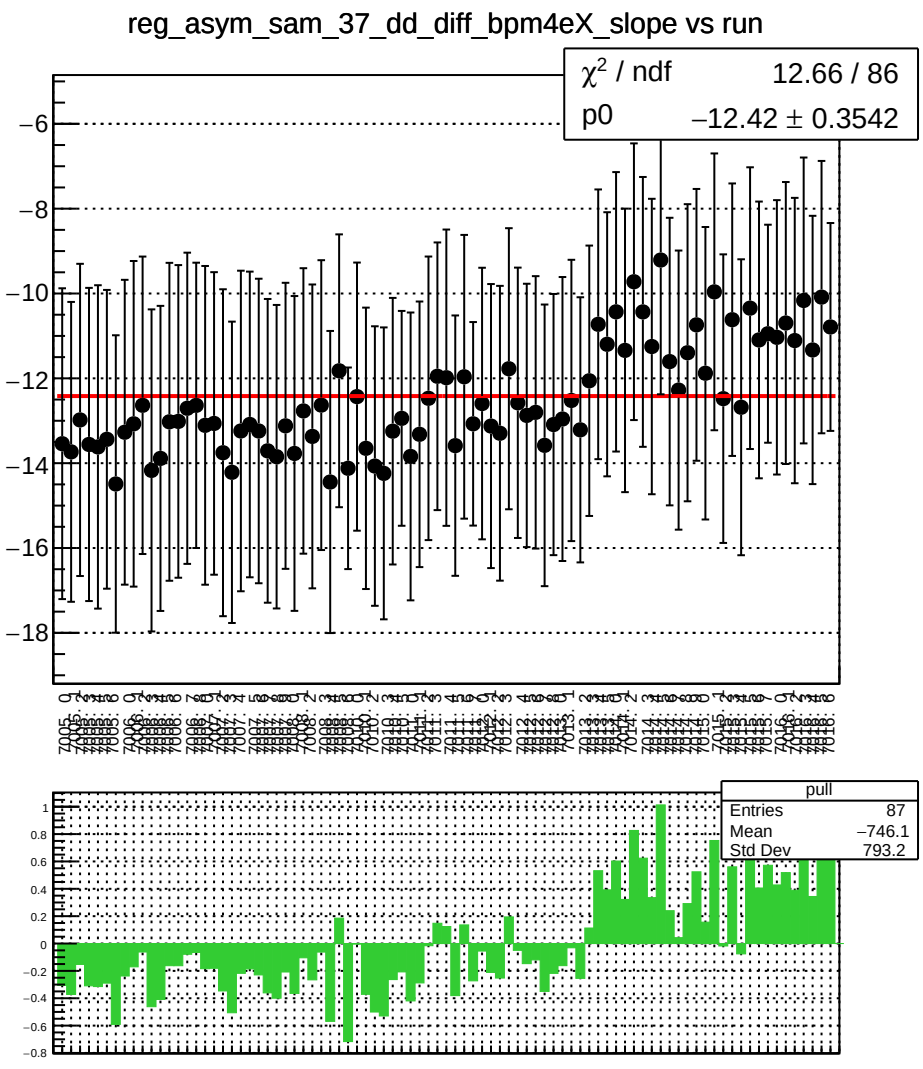

pull1D
Entries 87
Mean 0.002511
Std Dev 0.1563

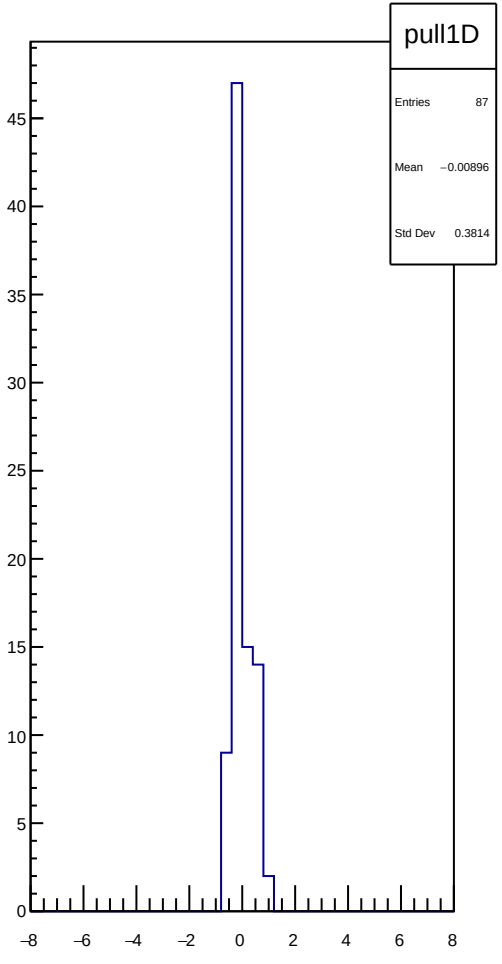

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.96 / 86
p0 0.3465 ± 0.02547
pull
Entries 87
Mean −8028
Std Dev 8073
pull1D
Entries 87
Mean 0.000475
Std Dev 0.2133

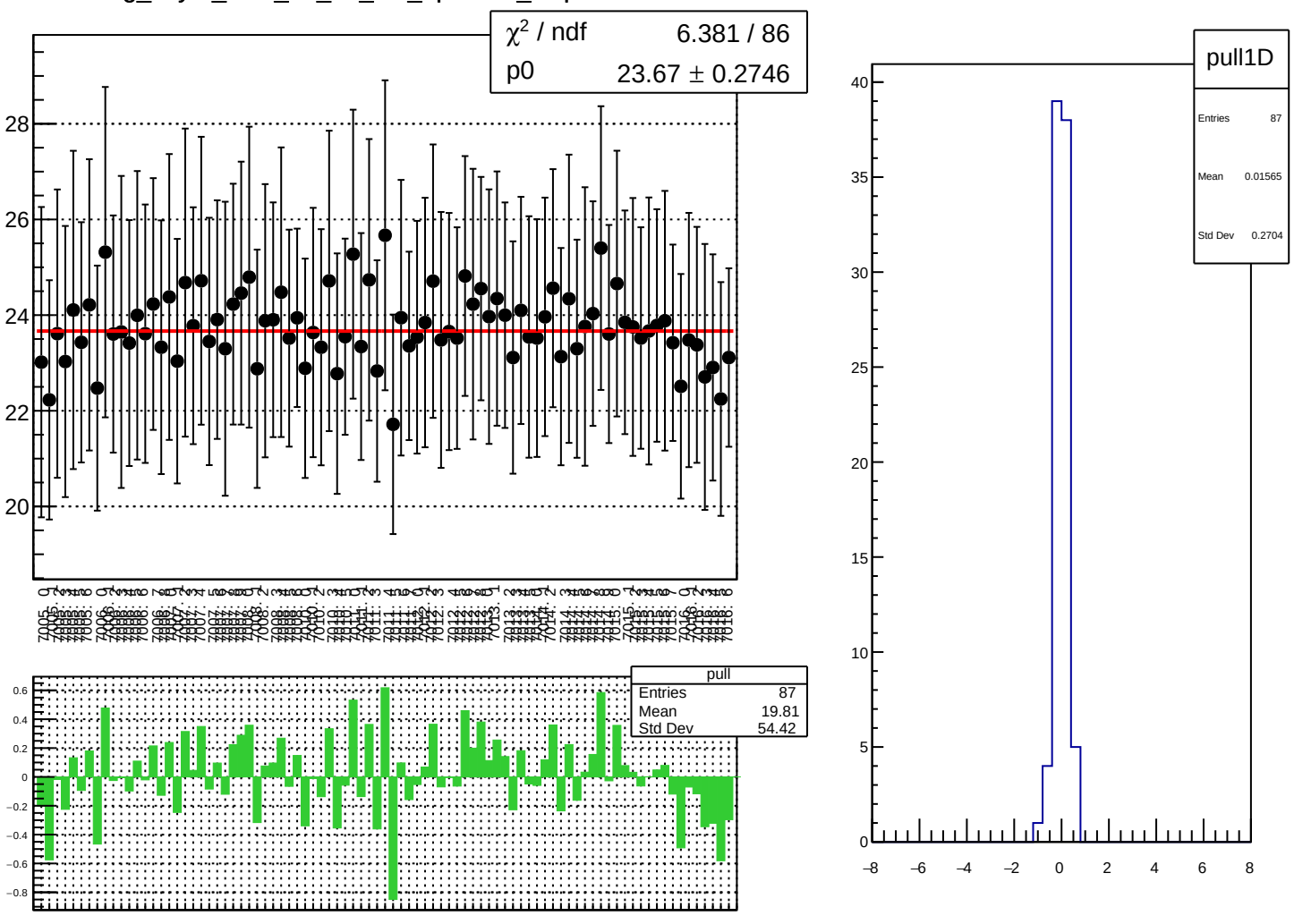

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 12.68 / 86
p0 −23.82 ± 0.3818
pull
Entries 87
Mean −5675
Std Dev 5724

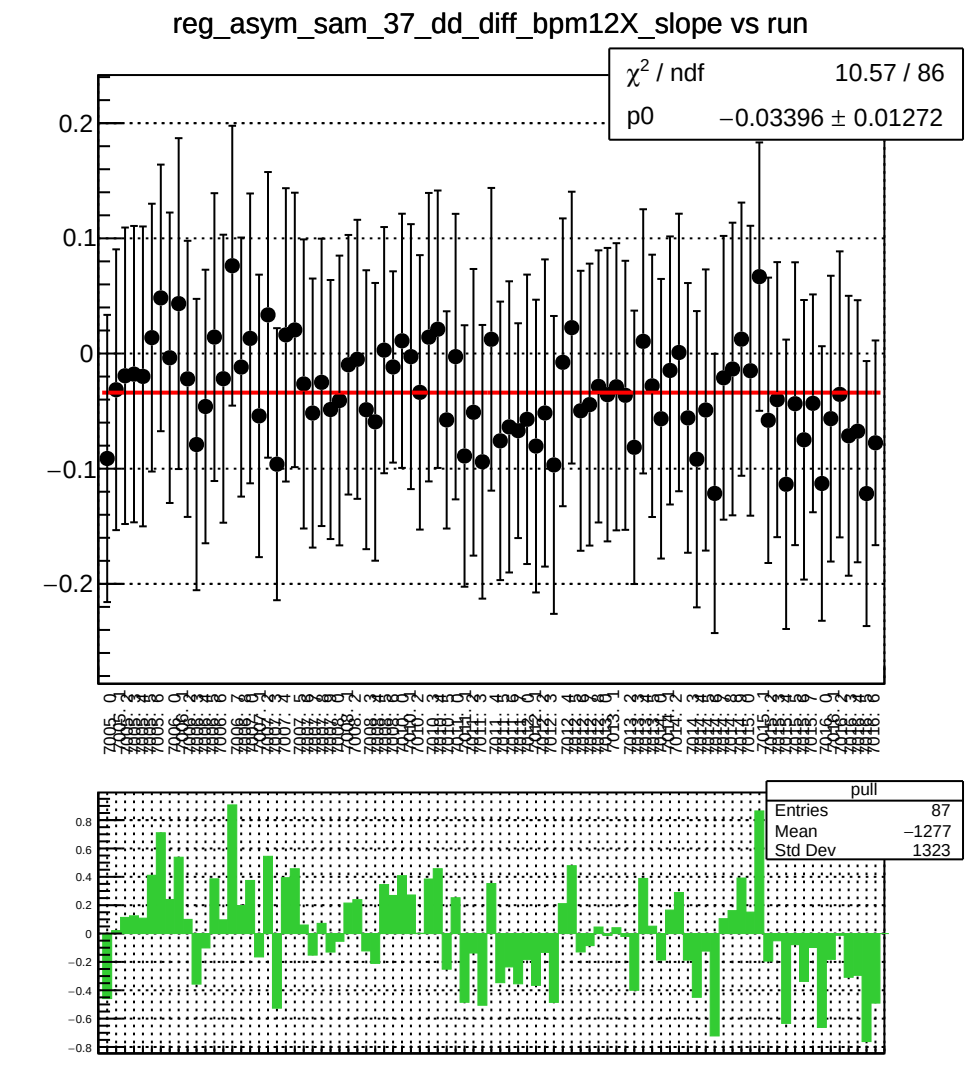

pull1D
Entries 87
Mean 0.0008196
Std Dev 0.3818

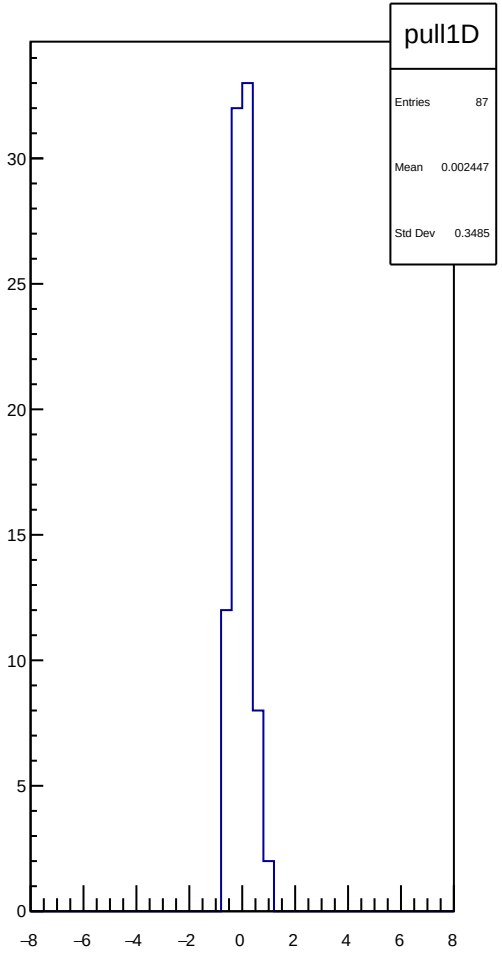

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.798 / 86
p0 −8.967 ± 0.2601
pull
Entries 87
Mean 21.97
Std Dev 38.41
pull1D
Entries 87
Mean −0.02559
Std Dev 0.2784

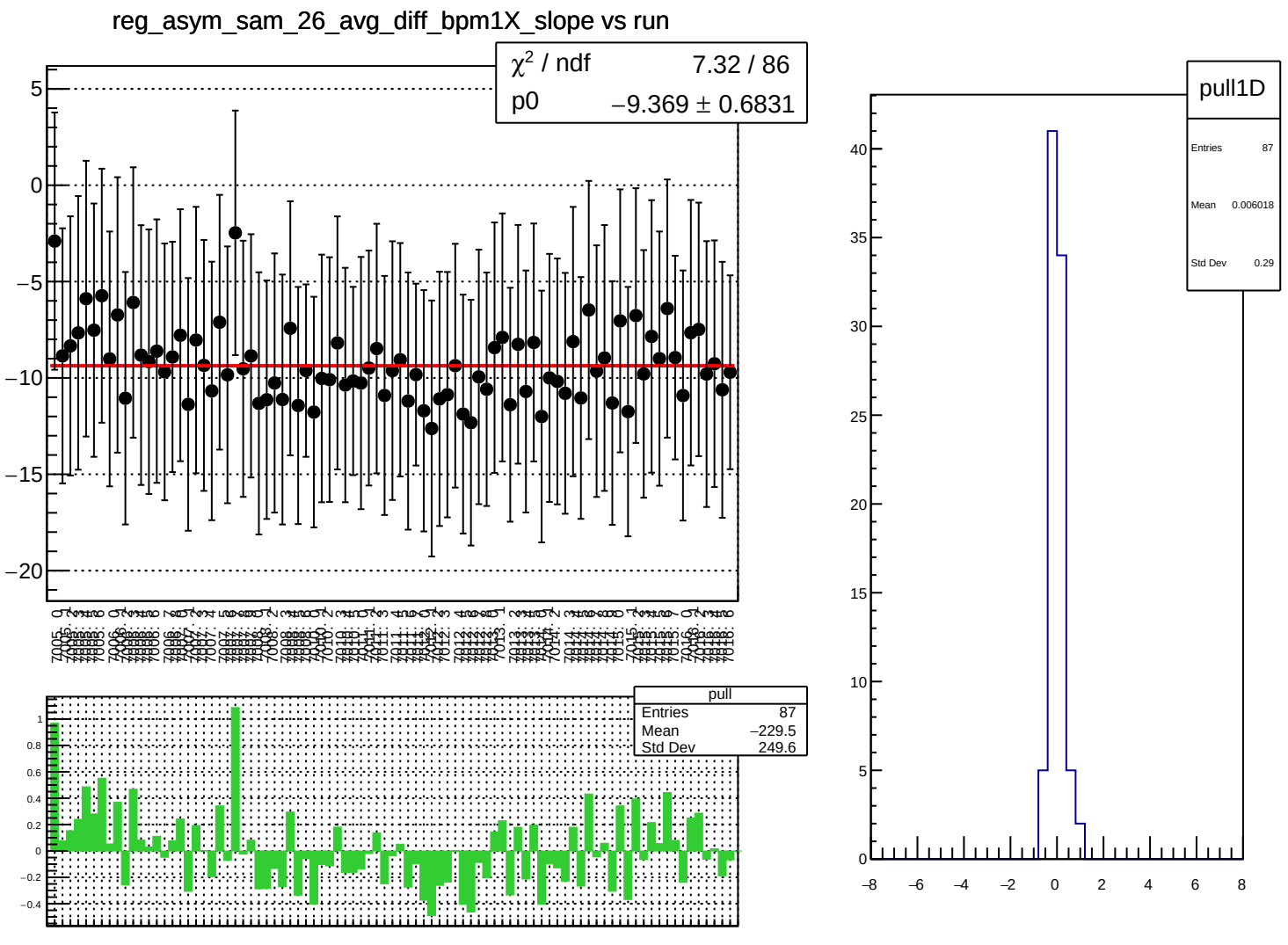

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.66 / 86
p0 −12.42 ± 0.3542
pull
Entries 87
Mean −746.1
Std Dev 793.2

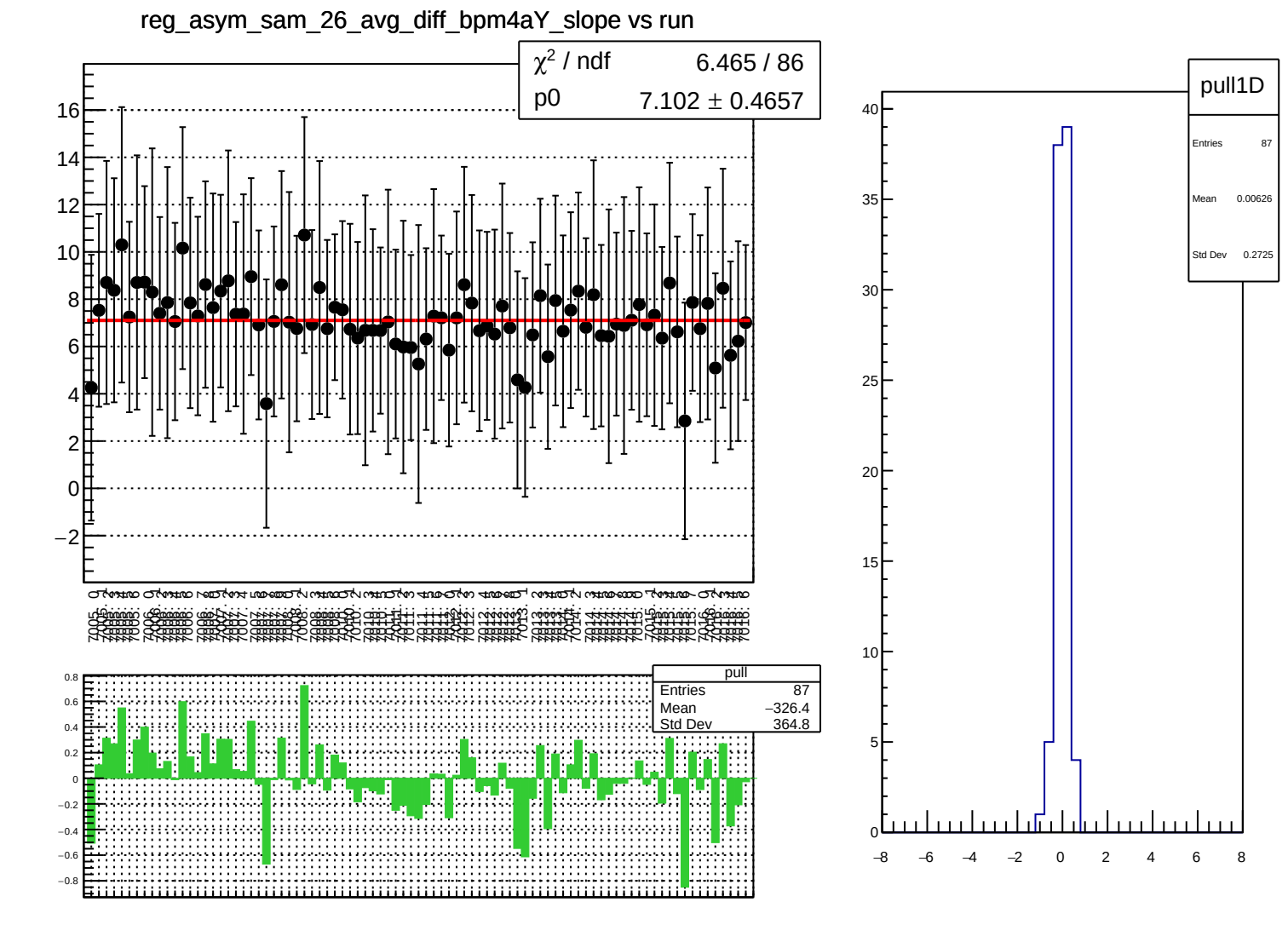

pull1D
Entries 87
Mean −0.00896
Std Dev 0.3814

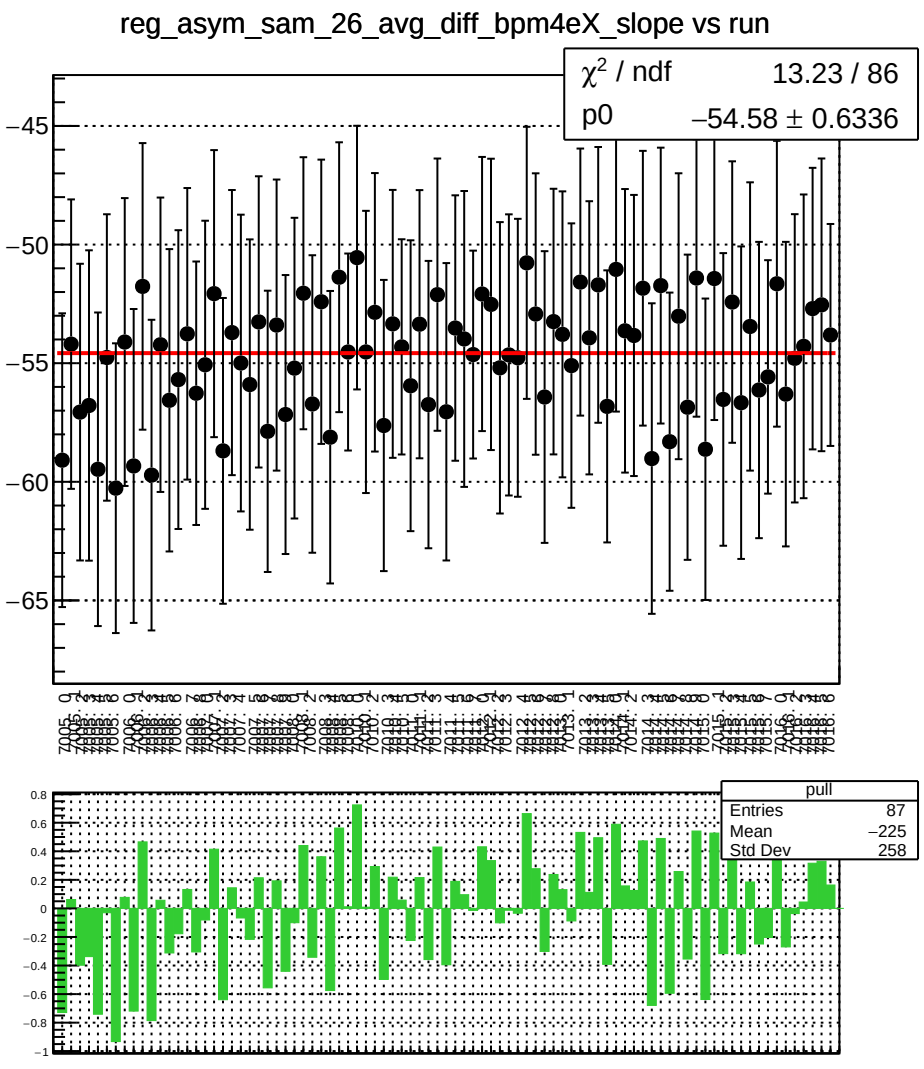

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.381 / 86
p0 23.67 ± 0.2746
28
26
24
22
20
pull
Entries 87
Mean 19.81
Std Dev 54.42
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01565
Std Dev 0.2704
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

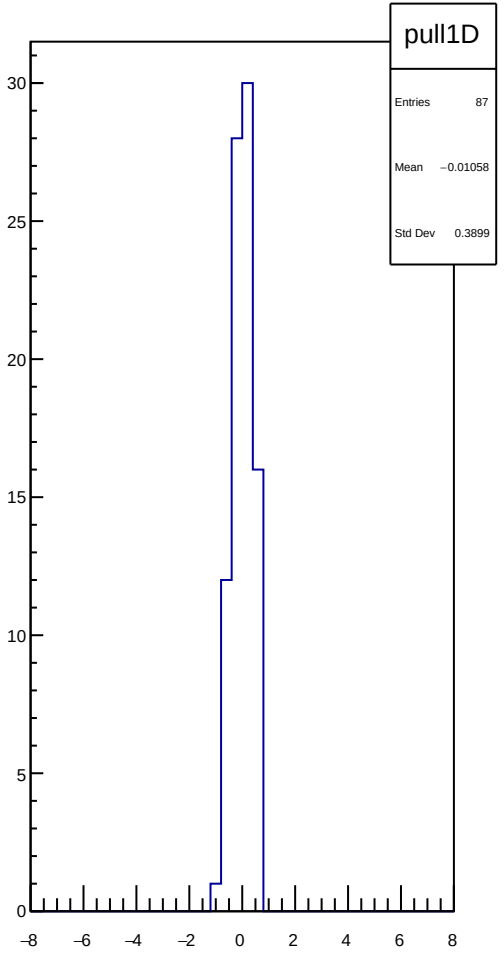

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 10.57 / 86
p0 −0.03396 ± 0.01272
pull
Entries 87
Mean −1277
Std Dev 1323

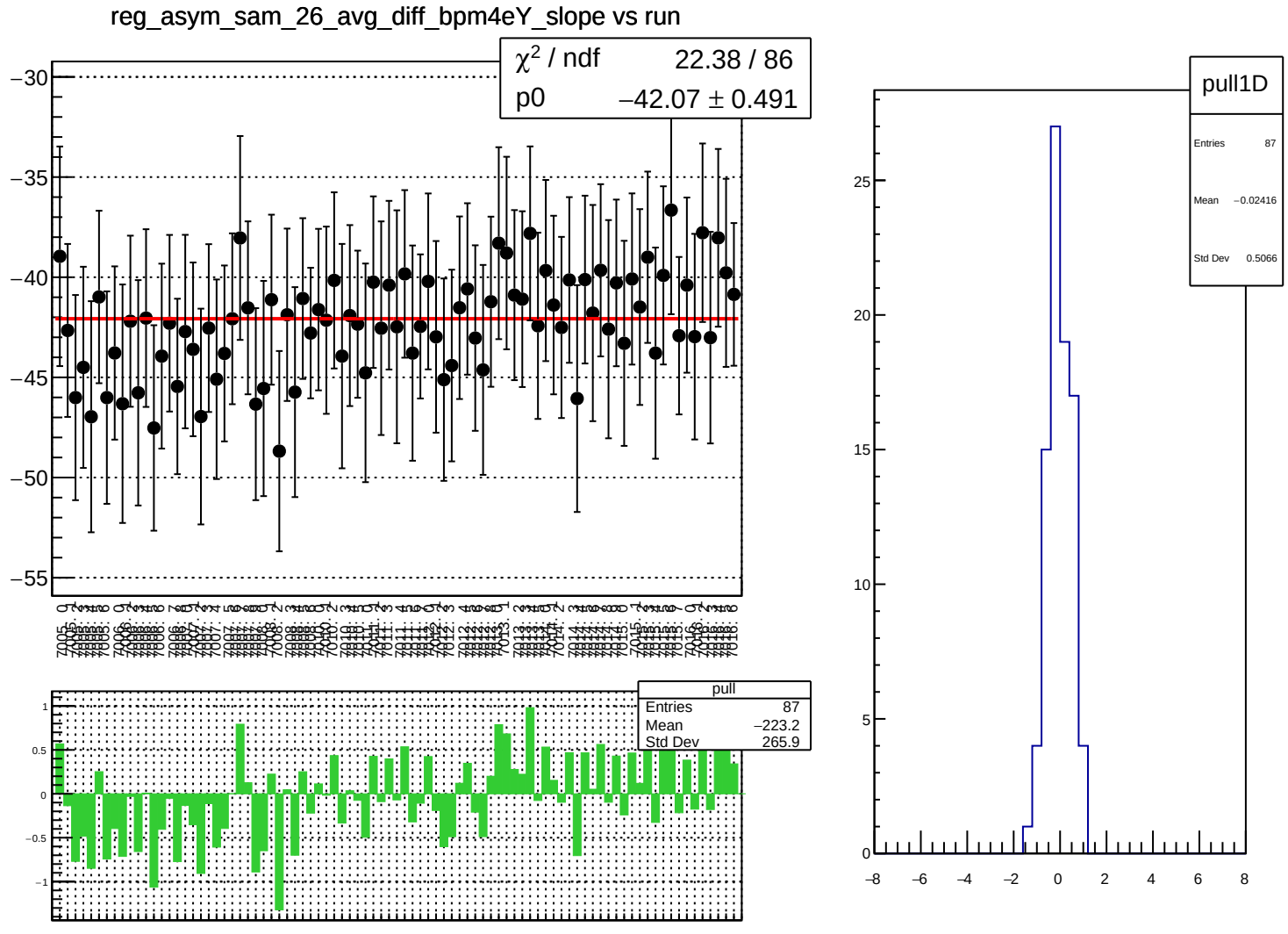

pull1D
Entries 87
Mean 0.002447
Std Dev 0.3485

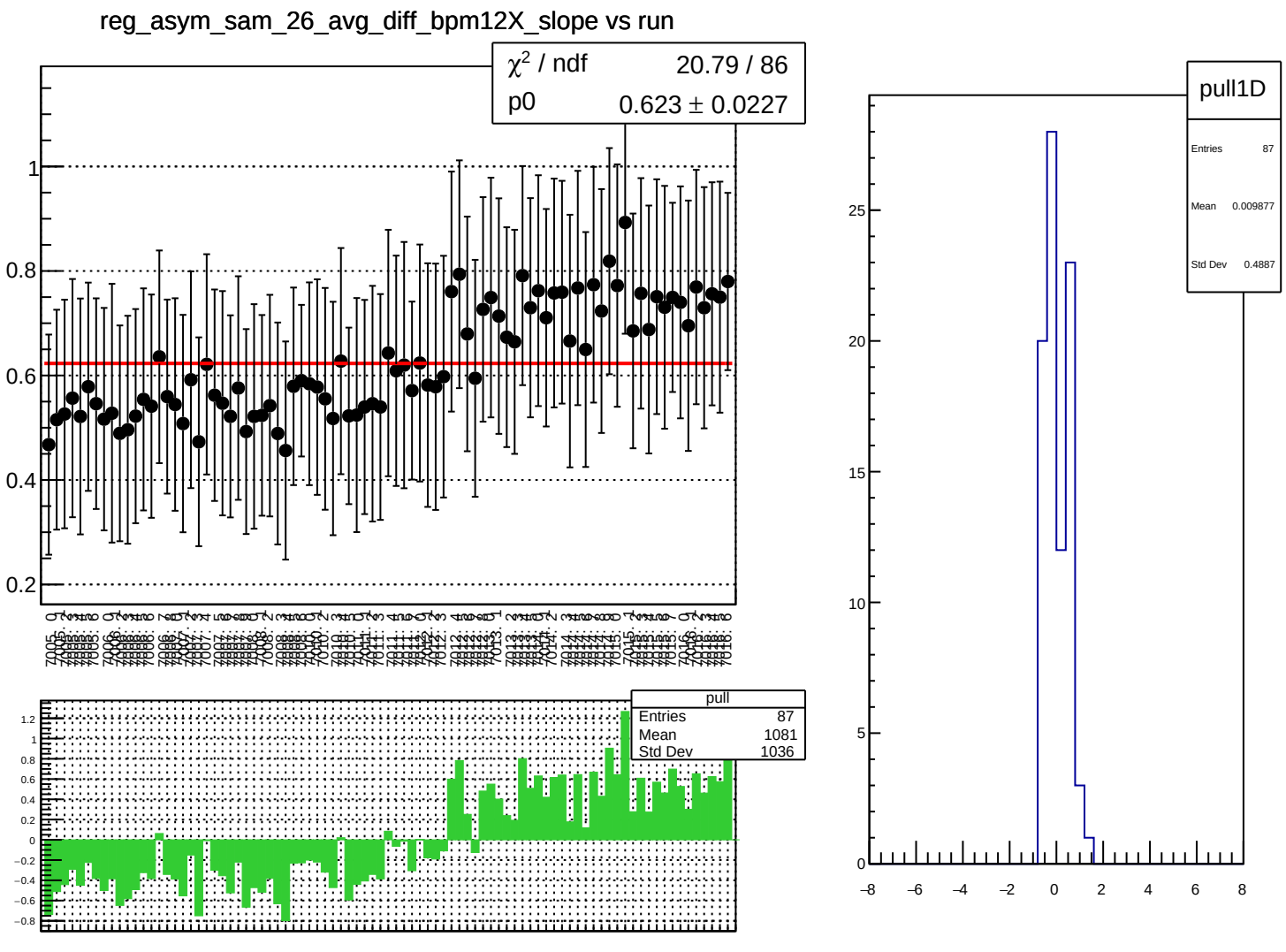

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 7.32 / 86
p0 −9.369 ± 0.6831
pull
Entries 87
Mean −229.5
Std Dev 249.6
pull1D
Entries 87
Mean 0.006018
Std Dev 0.29

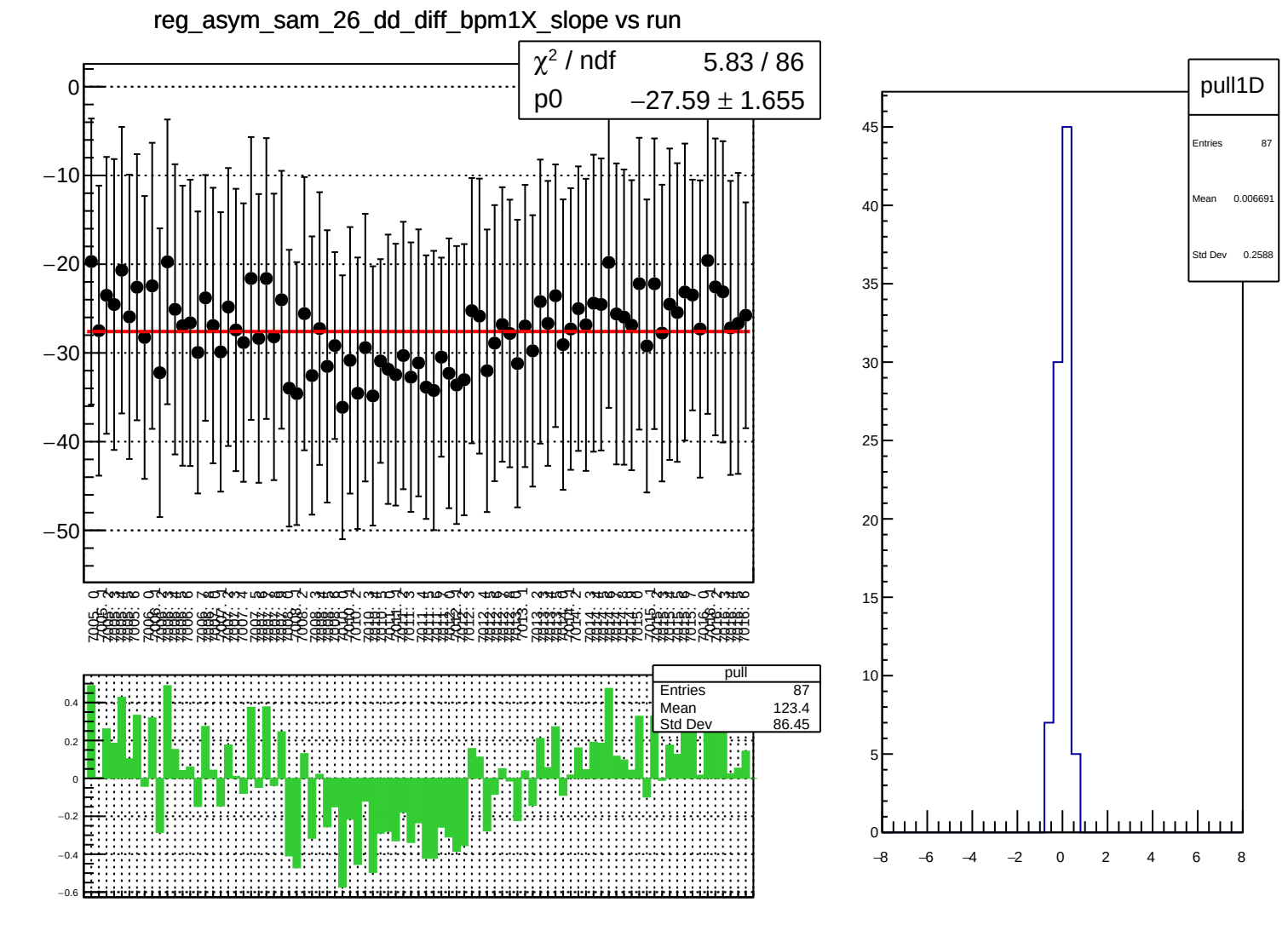

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.465 / 86
p0 7.102 ± 0.4657
pull
Entries 87
Mean −326.4
Std Dev 364.8
pull1D
Entries 87
Mean 0.00626
Std Dev 0.2725

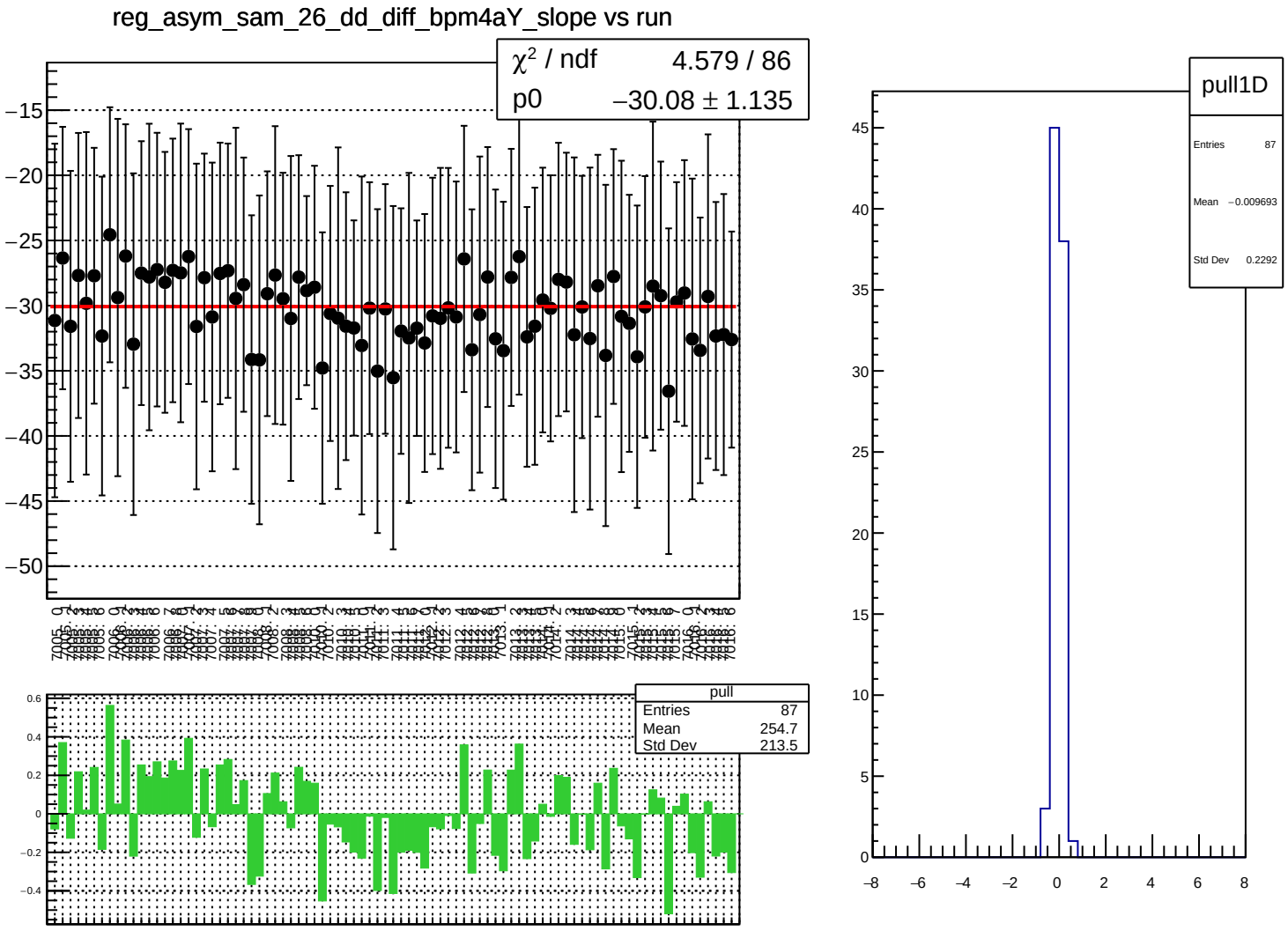

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.23 / 86
p0 −54.58 ± 0.6336
−45
−50
−55
−60
−65
pull
Entries 87
Mean −225
Std Dev 258
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

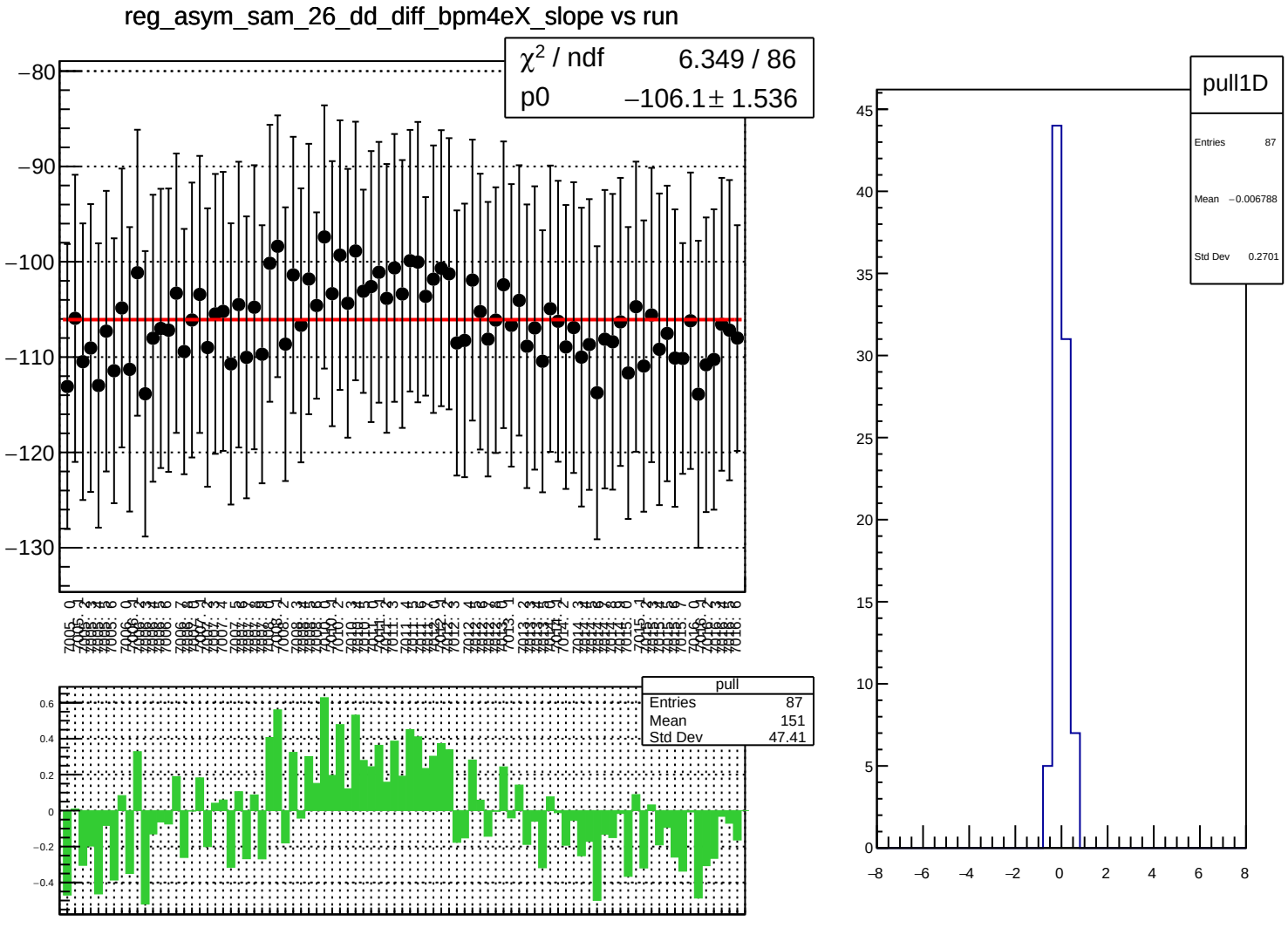

pull1D
Entries 87
Mean −0.01058
Std Dev 0.3899
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

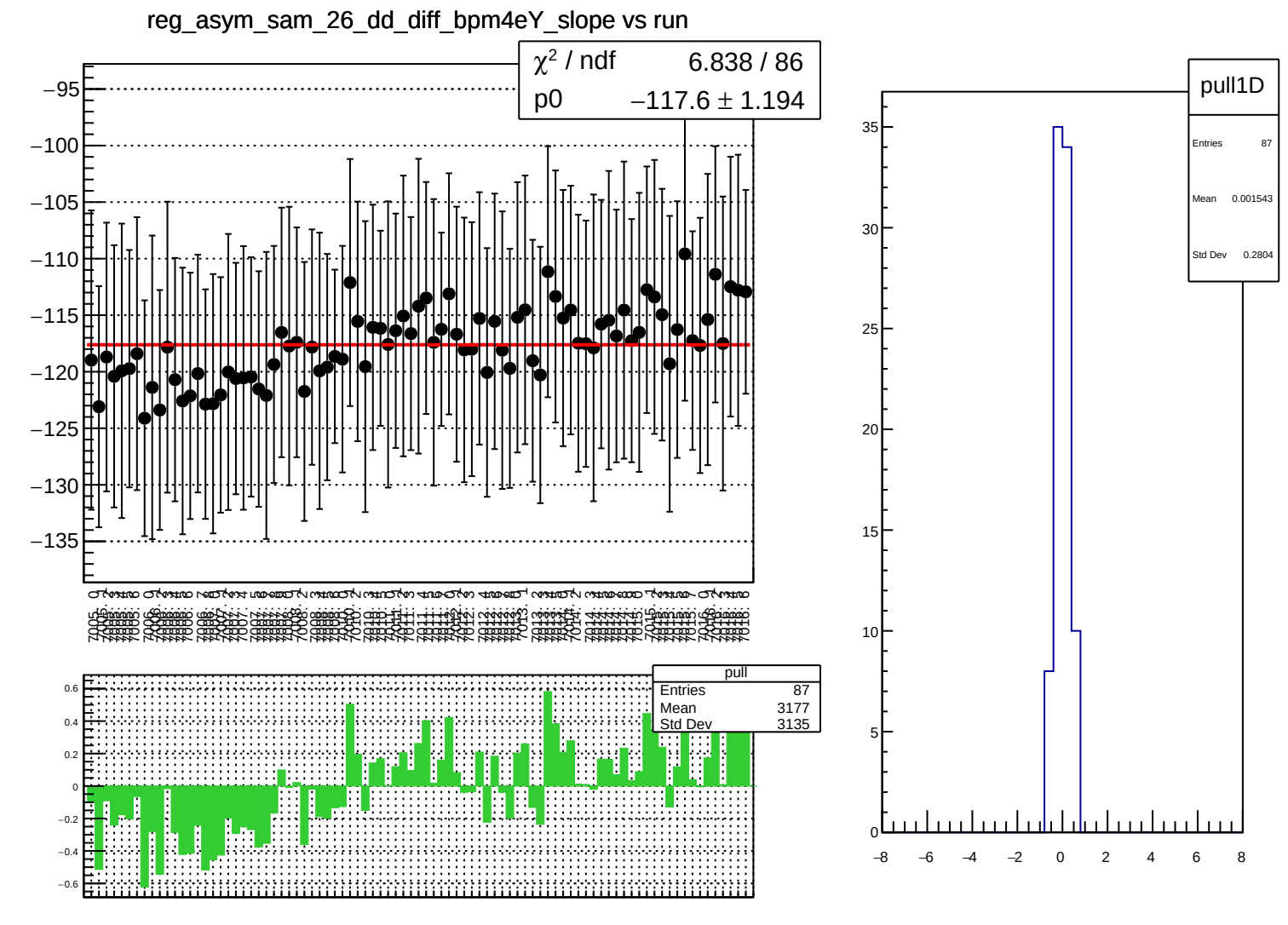

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.38 / 86
p0 −42.07 ± 0.491
−30
−35
−40
−45
−50
−55
pull
Entries 87
Mean −223.2
Std Dev 265.9
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.02416
Std Dev 0.5066
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

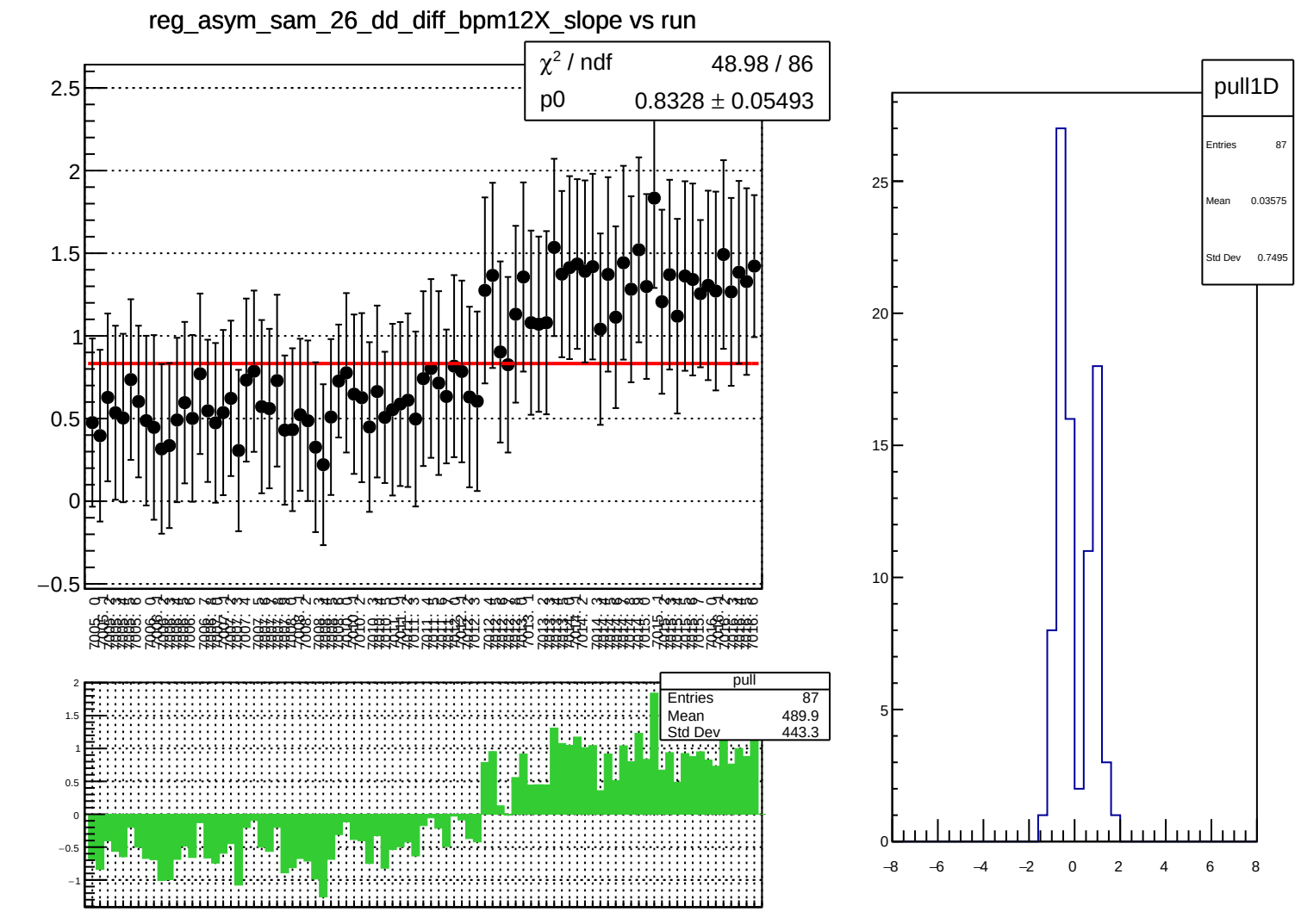

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 20.79 / 86
p0 0.623 ± 0.0227
pull
Entries 87
Mean 1081
Std Dev 1036
pull1D
Entries 87
Mean 0.009877
Std Dev 0.4887

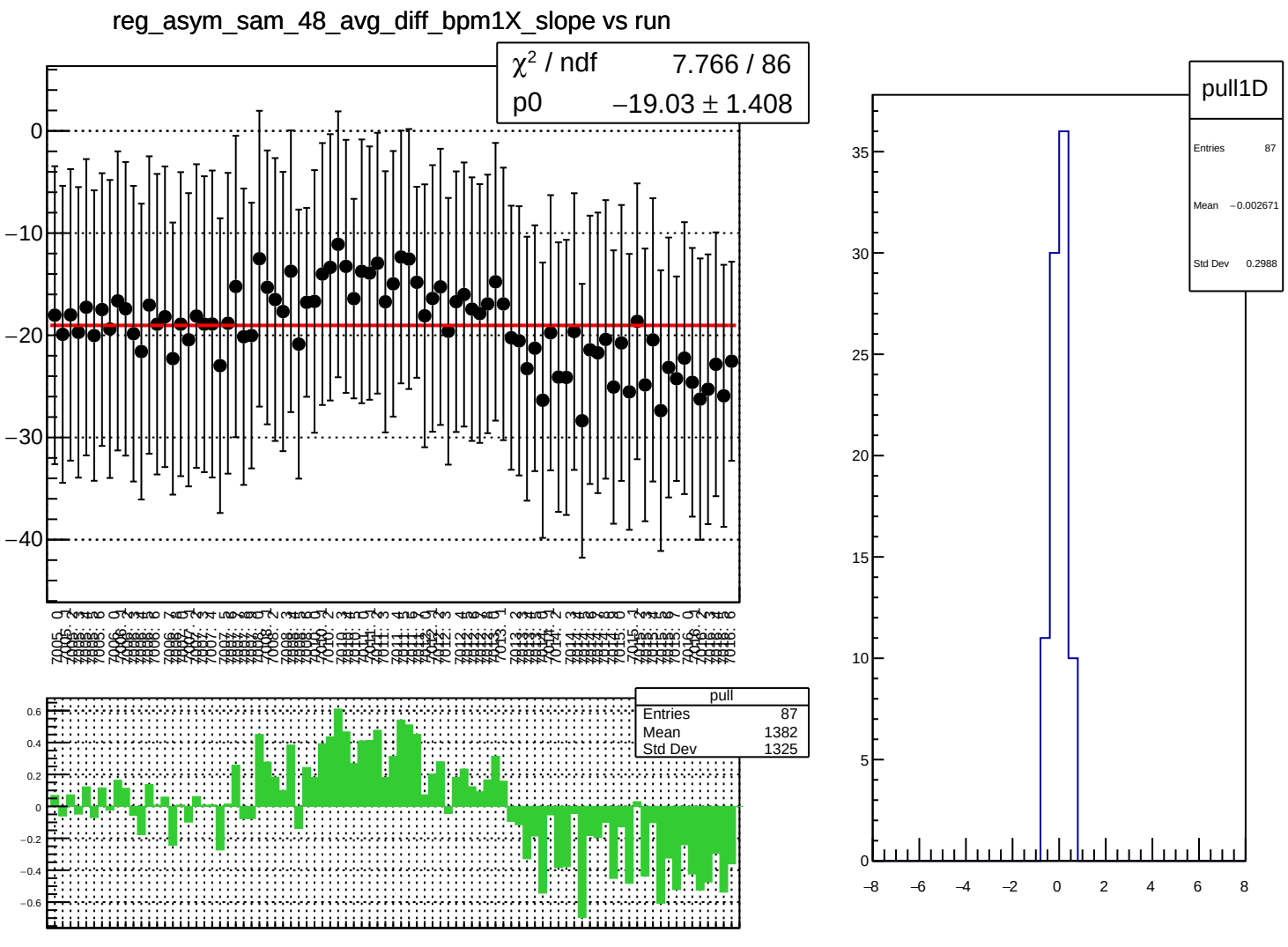

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.83 / 86
p0 −27.59 ± 1.655
pull
Entries 87
Mean 123.4
Std Dev 86.45
pull1D
Entries 87
Mean 0.006691
Std Dev 0.2588

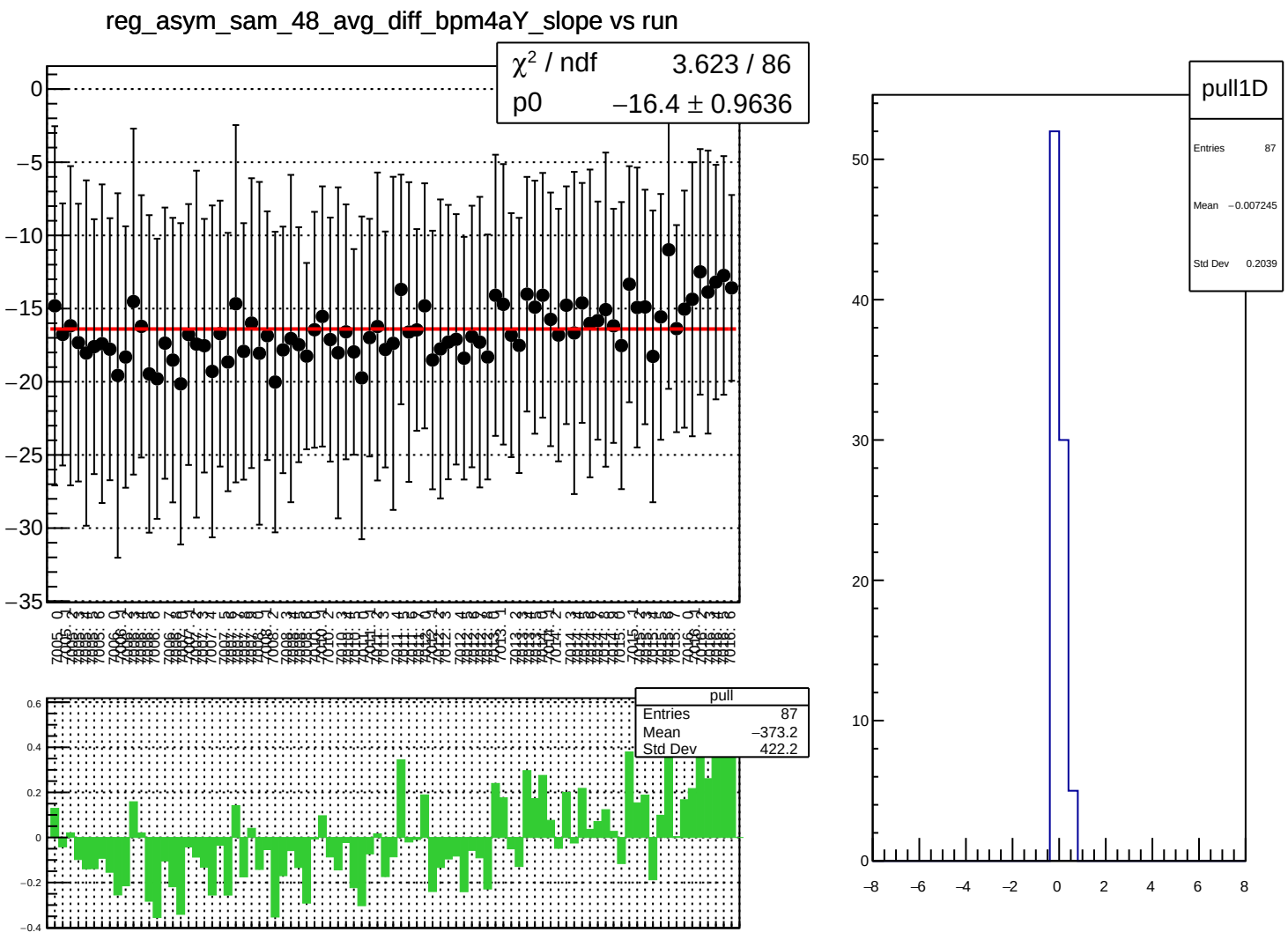

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.579 / 86
p0 −30.08 ± 1.135
pull
Entries 87
Mean 254.7
Std Dev 213.5
pull1D
Entries 87
Mean −0.009693
Std Dev 0.2292

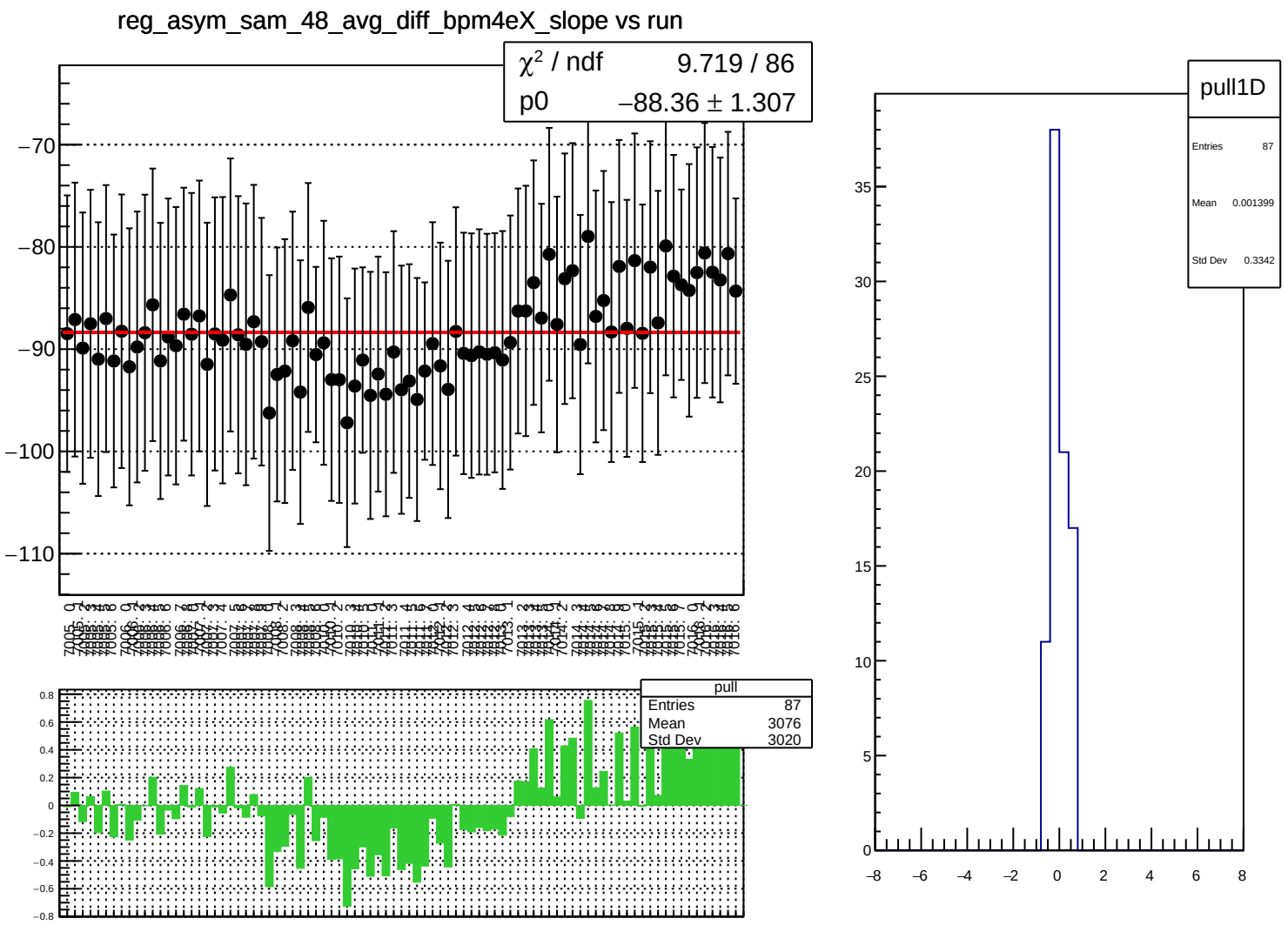

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.349 / 86
p0 −106.1± 1.536
−80
−90
−100
−110
−120
−130
pull
Entries 87
Mean 151
Std Dev 47.41
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 87
Mean −0.006788
Std Dev 0.2701
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

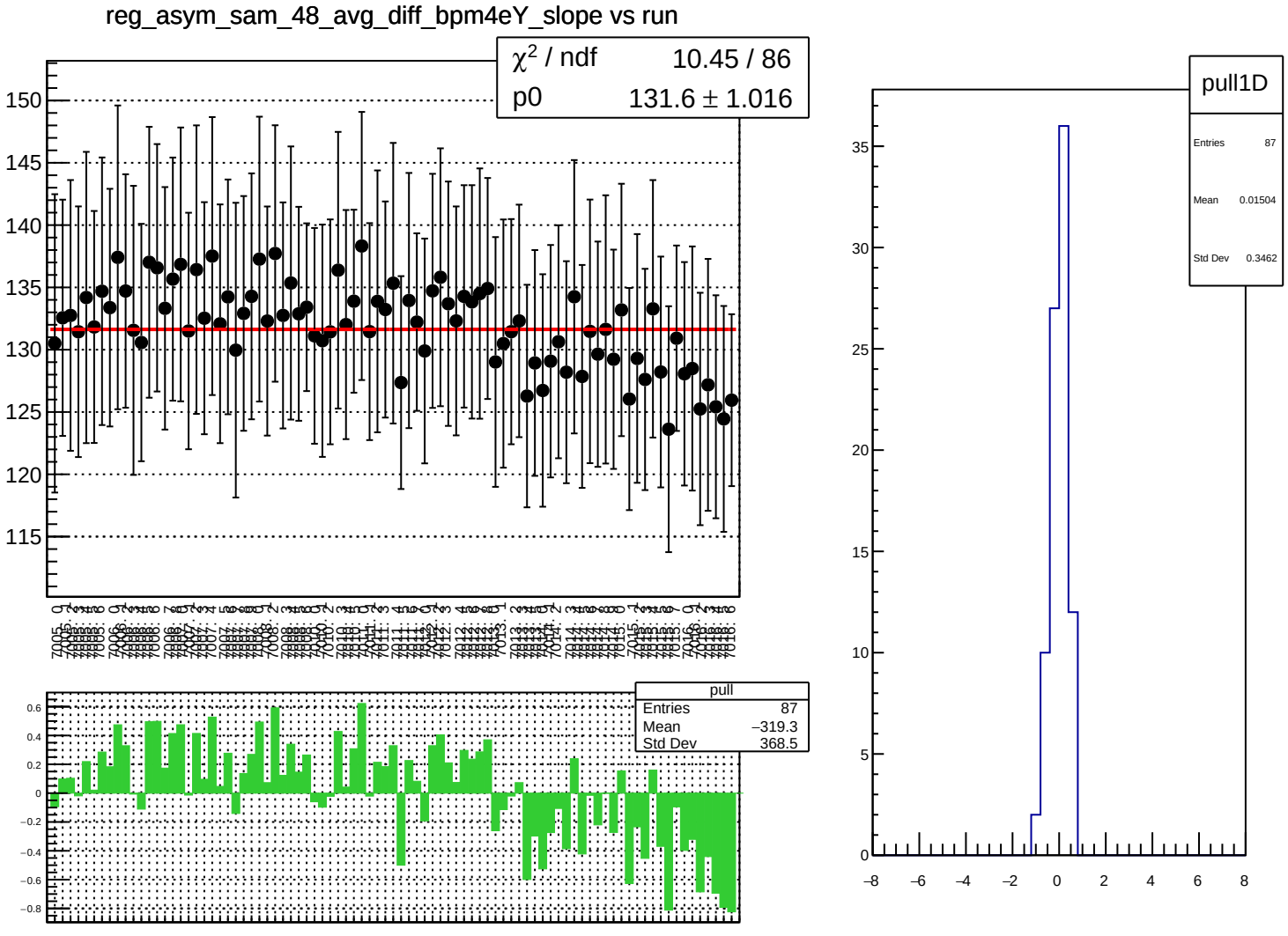

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.838 / 86
p0 −117.6 ± 1.194
pull
Entries 87
Mean 3177
Std Dev 3135
pull1D
Entries 87
Mean 0.001543
Std Dev 0.2804

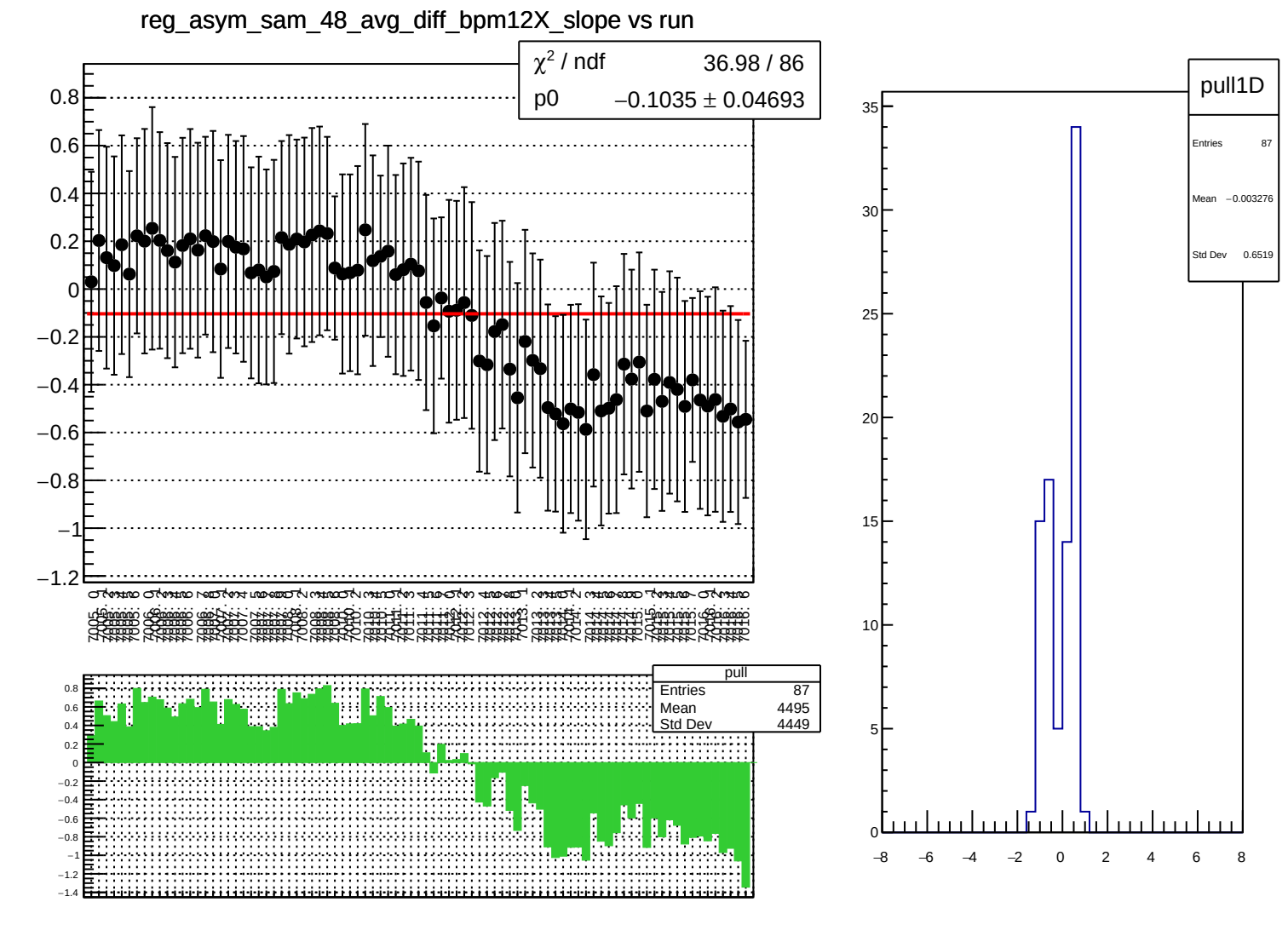

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 48.98 / 86
p0 0.8328 ± 0.05493
pull
Entries 87
Mean 489.9
Std Dev 443.3
pull1D
Entries 87
Mean 0.03575
Std Dev 0.7495

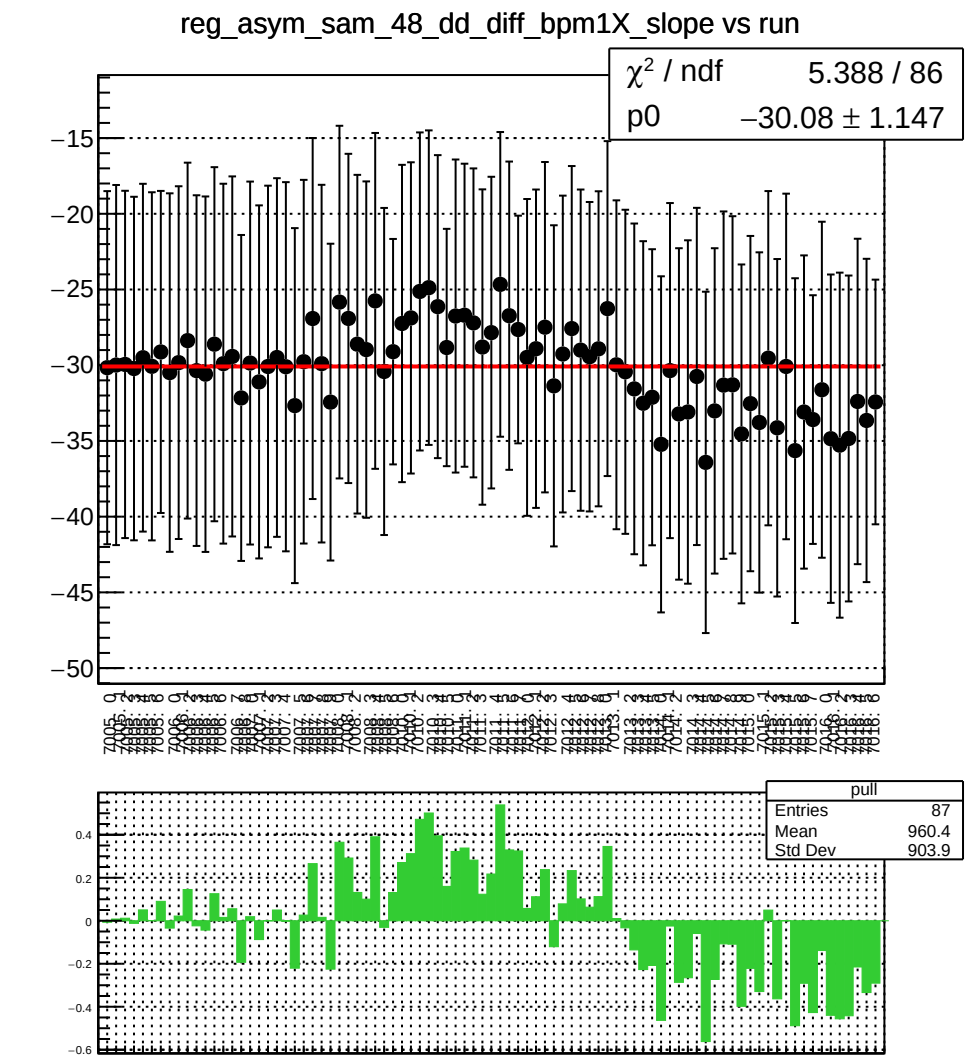

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 7.766 / 86
p0 −19.03 ± 1.408
0
−10
−20
−30
−40
pull
Entries 87
Mean 1382
Std Dev 1325
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.002671
Std Dev 0.2988
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

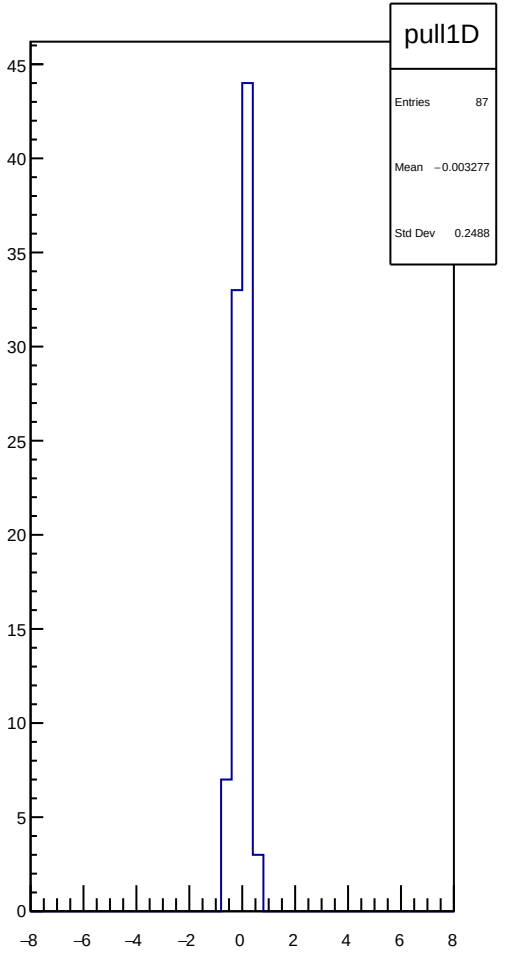

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.623 / 86
p0 −16.4 ± 0.9636
pull
Entries 87
Mean −373.2
Std Dev 422.2
pull1D
Entries 87
Mean −0.007245
Std Dev 0.2039

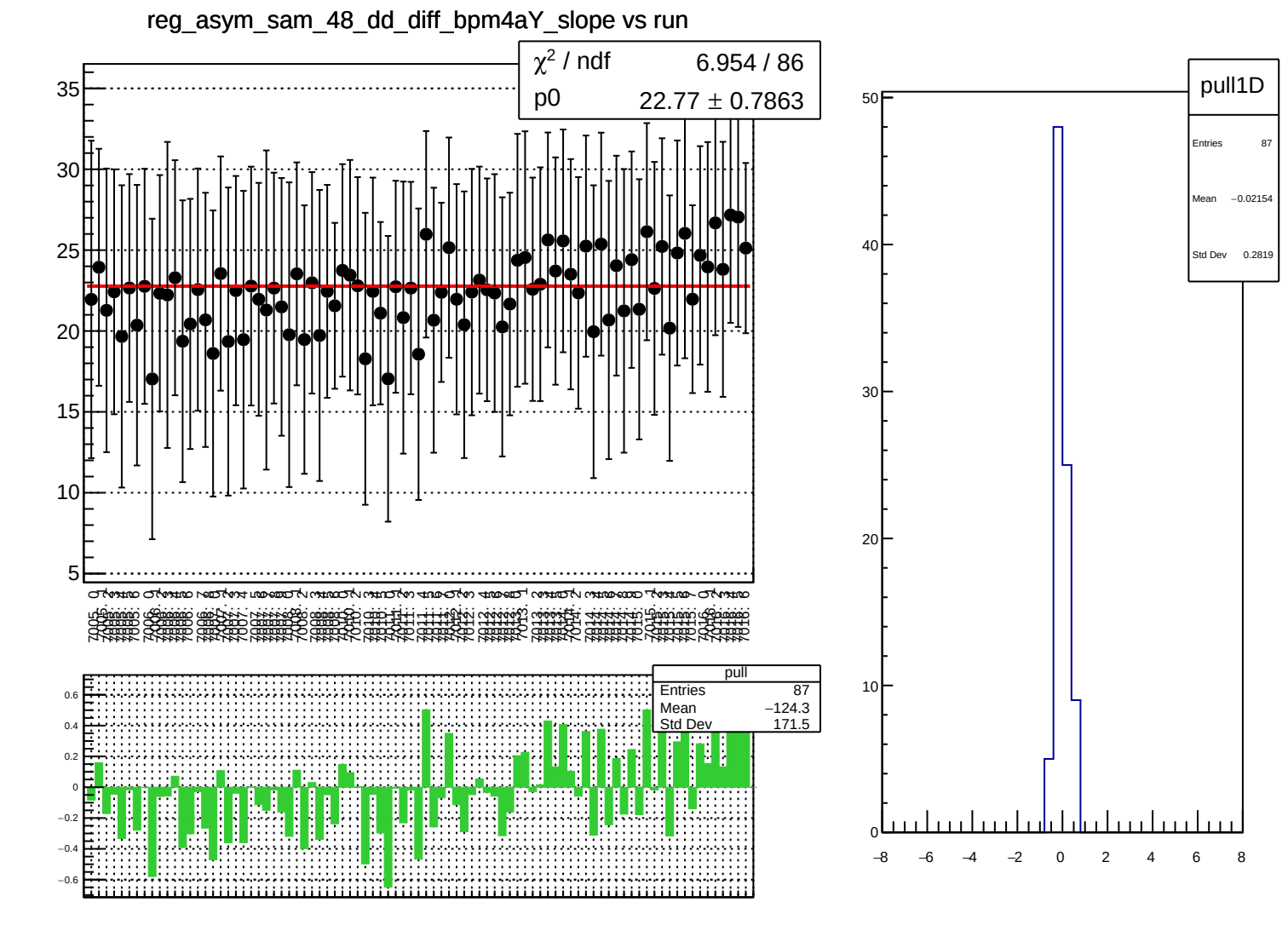

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.719 / 86
p0 −88.36 ± 1.307
−70
−80
−90
−100
−110
pull
Entries 87
Mean 3076
Std Dev 3020
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.001399
Std Dev 0.3342
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

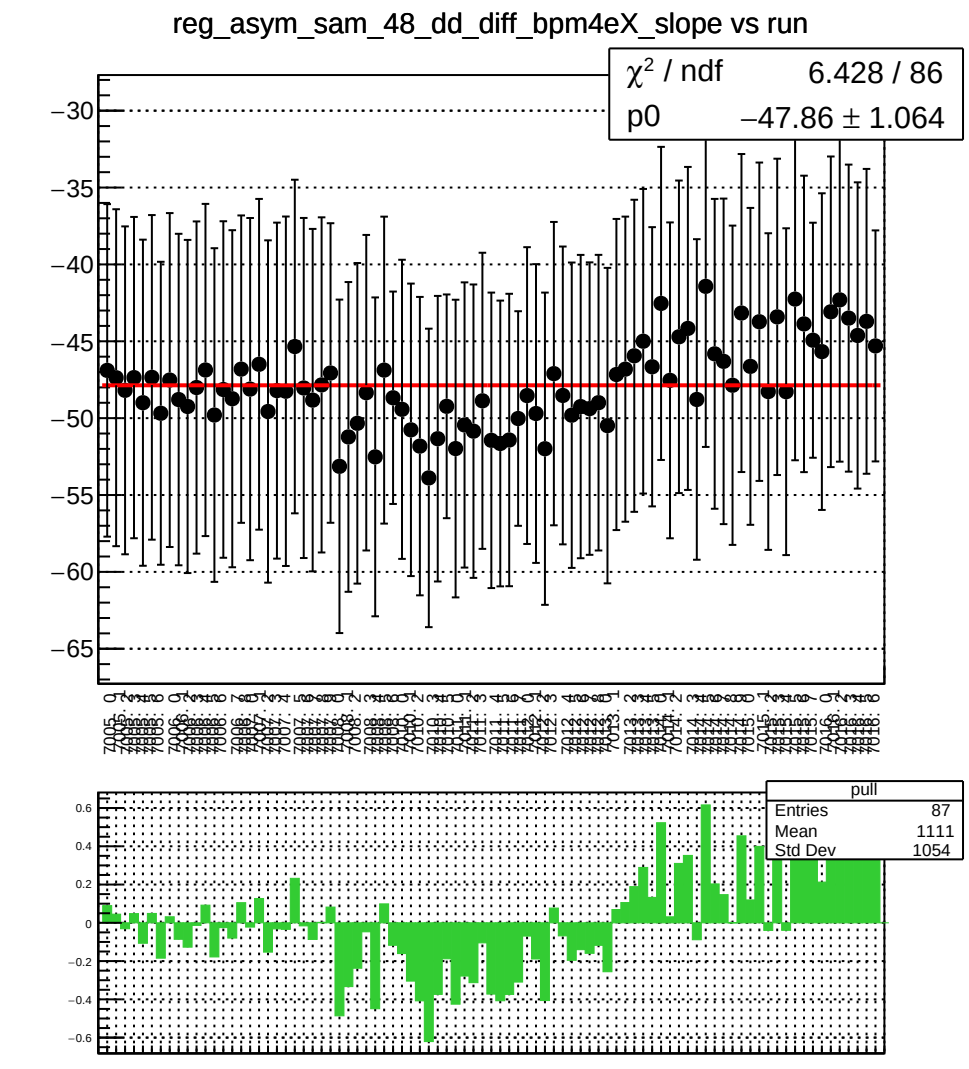

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.45 / 86
p0 131.6 ± 1.016
150
145
140
135
130
125
120
115
pull
Entries 87
Mean −319.3
Std Dev 368.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01504
Std Dev 0.3462
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

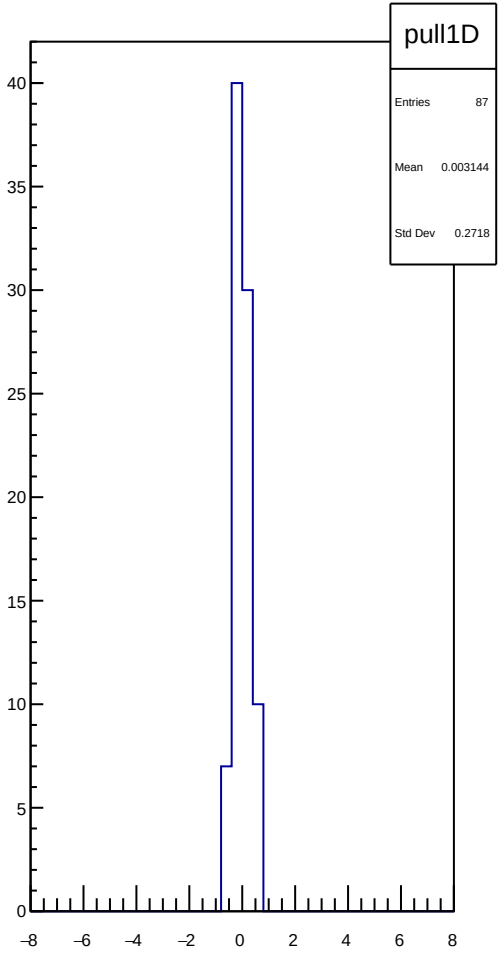

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 36.98 / 86
p0 −0.1035 ± 0.04693
pull
Entries 87
Mean 4495
Std Dev 4449
pull1D
Entries 87
Mean −0.003276
Std Dev 0.6519

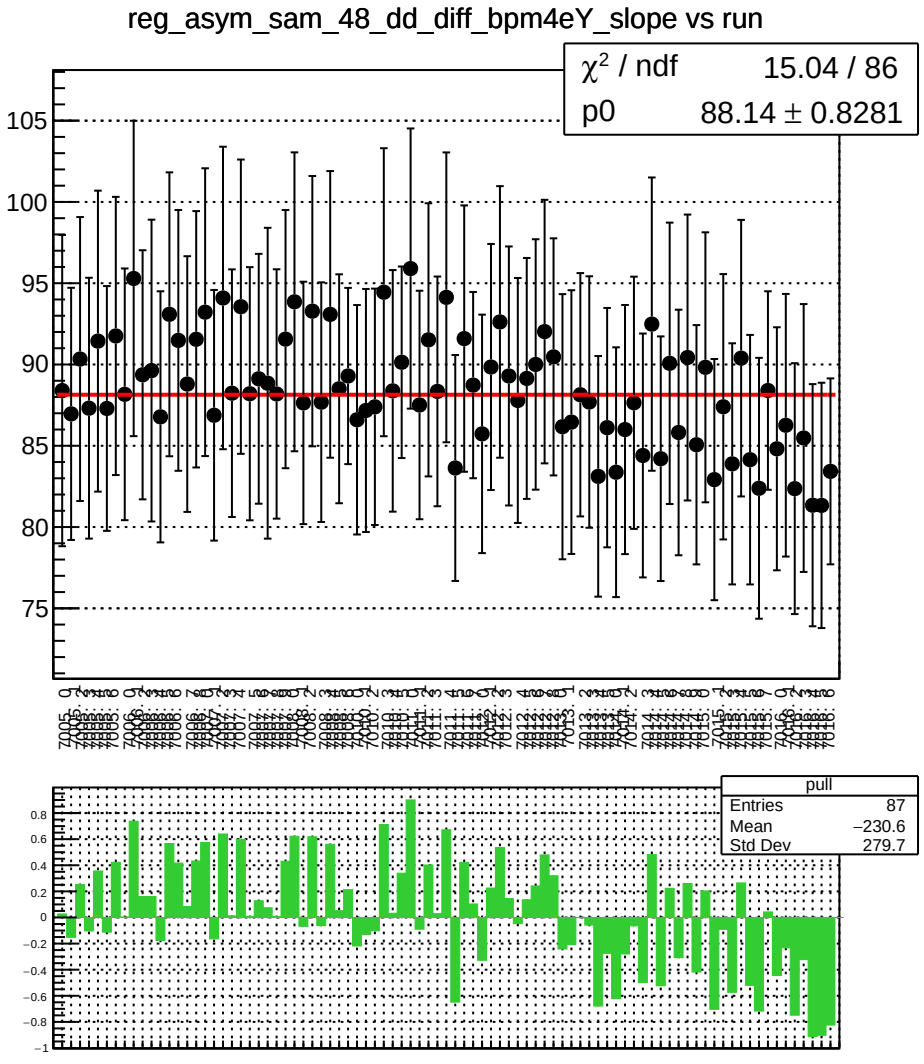

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.388 / 86
p0 −30.08 ± 1.147
pull
Entries 87
Mean 960.4
Std Dev 903.9

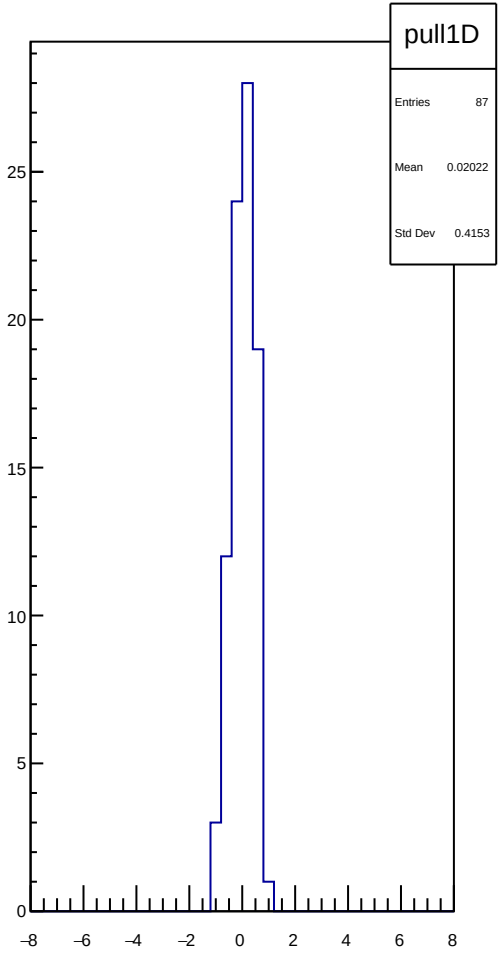

pull1D
Entries 87
Mean −0.003277
Std Dev 0.2488

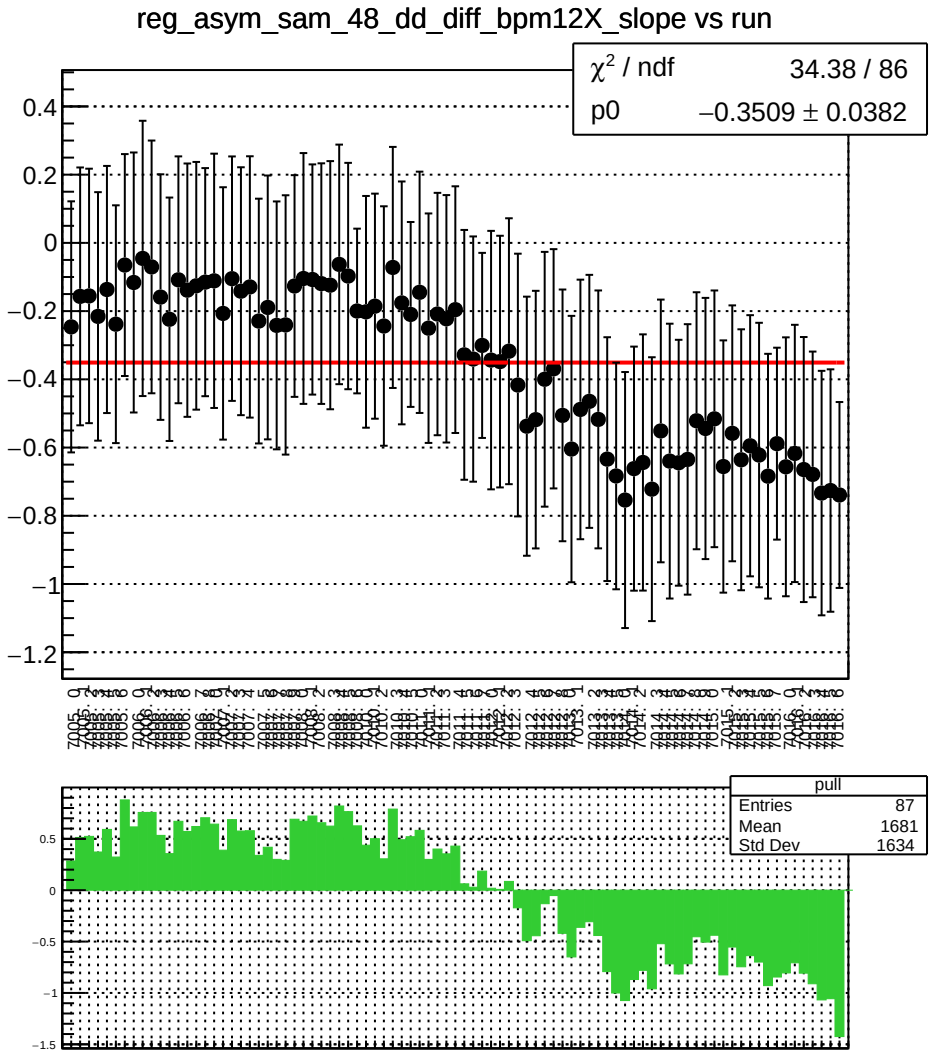

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.954 / 86
p0 22.77 ± 0.7863
pull
Entries 87
Mean −124.3
Std Dev 171.5
pull1D
Entries 87
Mean −0.02154
Std Dev 0.2819

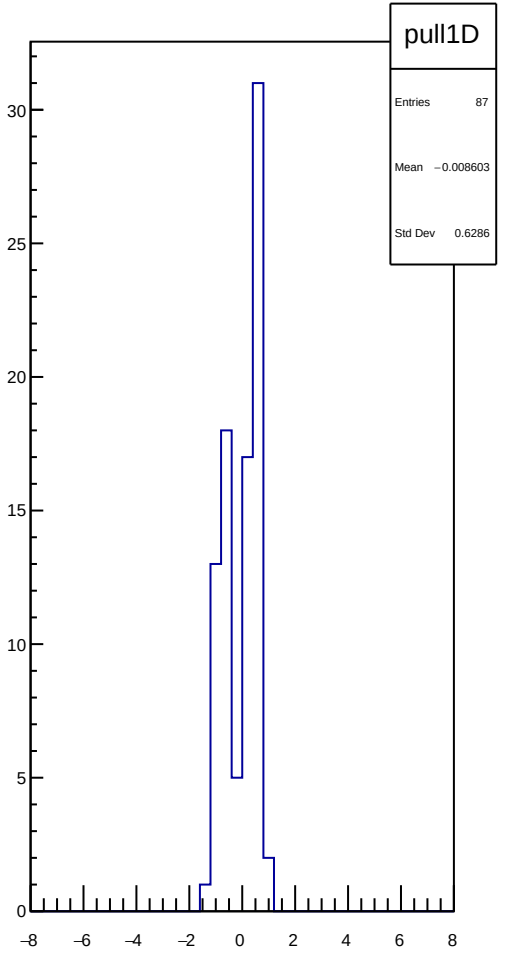

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.428 / 86
p0 −47.86 ± 1.064
pull
Entries 87
Mean 1111
Std Dev 1054

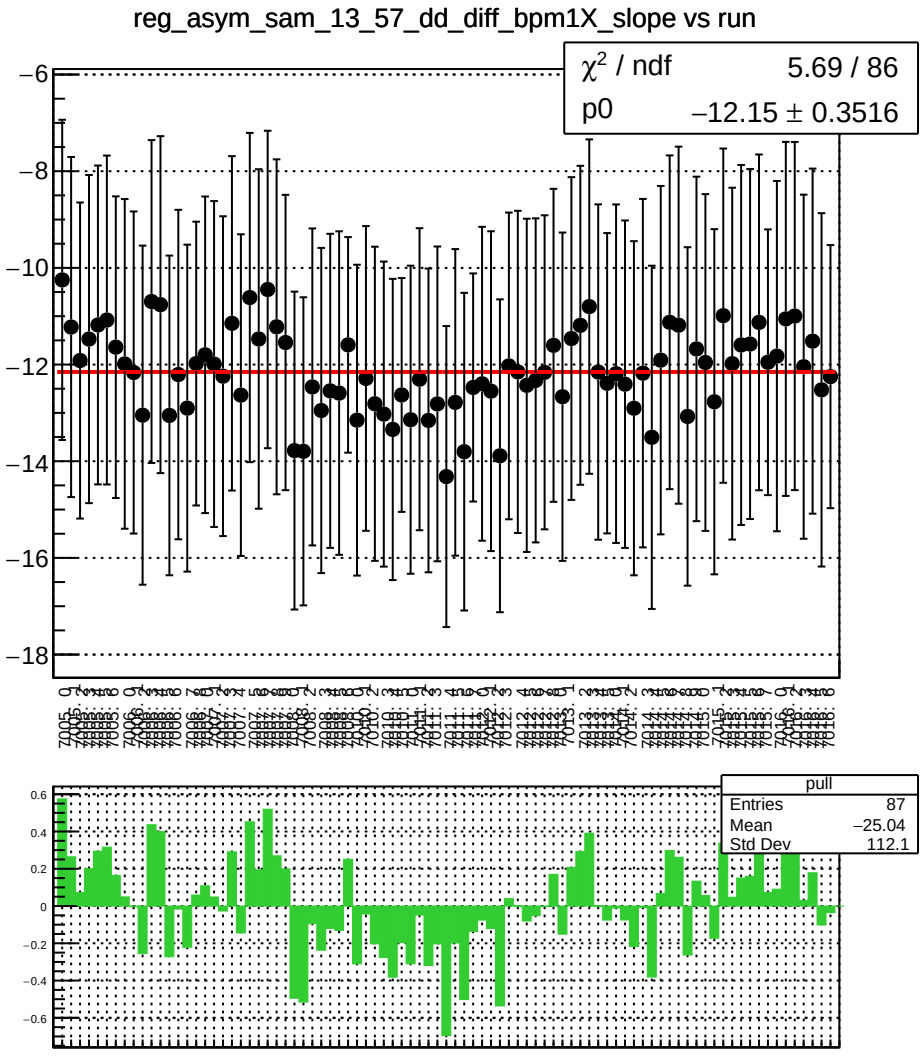

pull1D
Entries 87
Mean 0.003144
Std Dev 0.2718

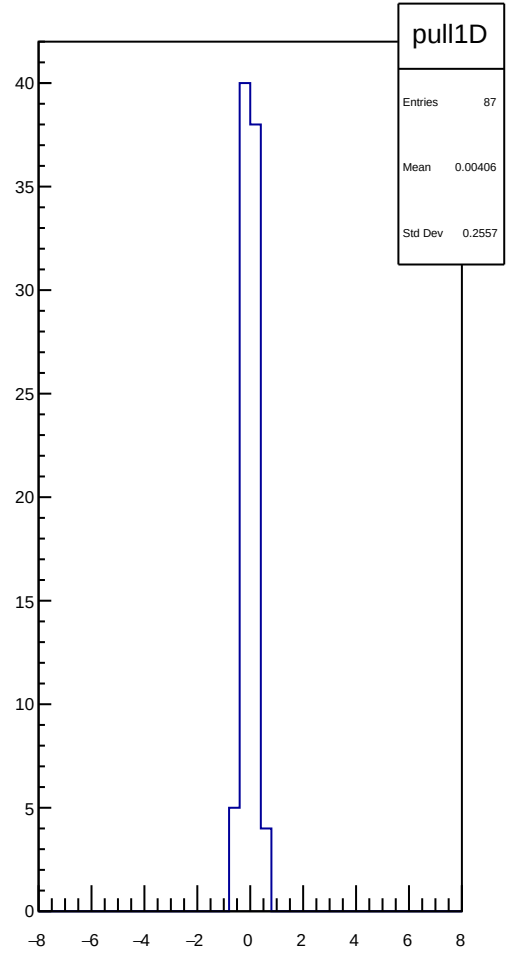

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.04 / 86
p0 88.14 ± 0.8281
105
100
95
90
85
80
75
pull
Entries 87
Mean −230.6
Std Dev 279.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

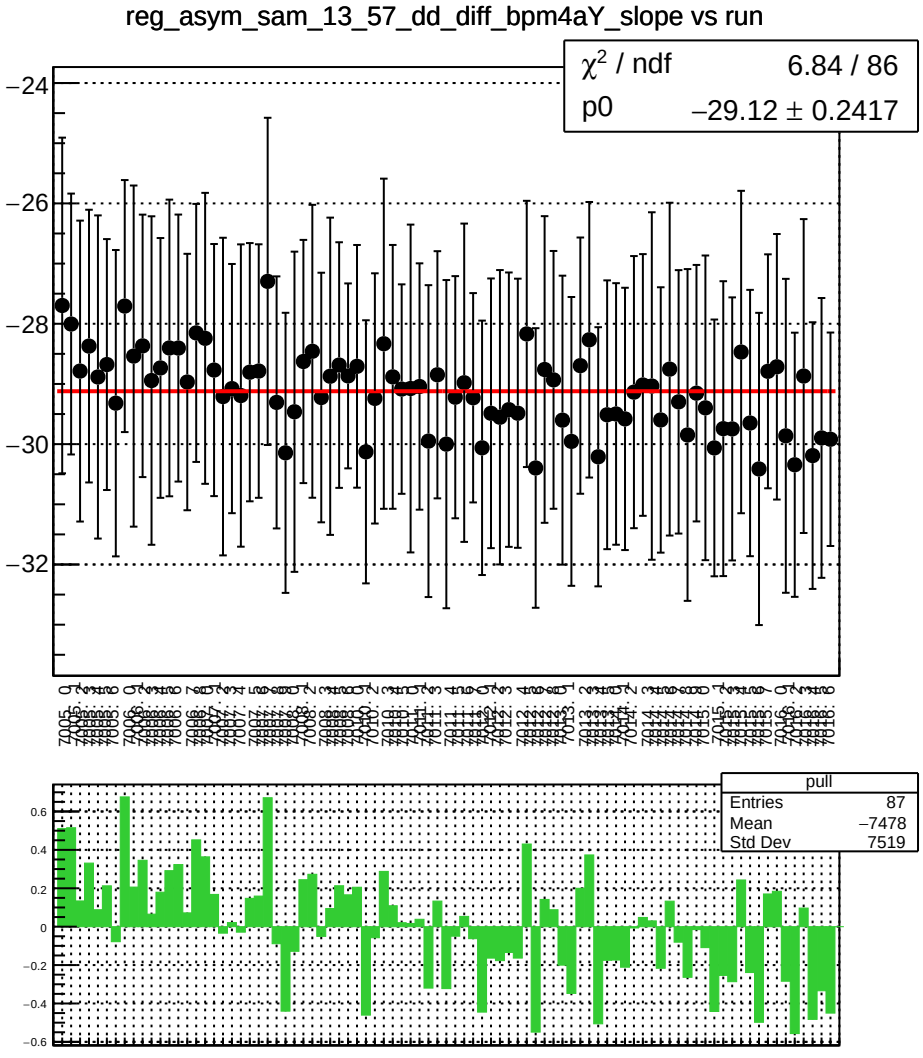

pull1D
Entries 87
Mean 0.02022
Std Dev 0.4153
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

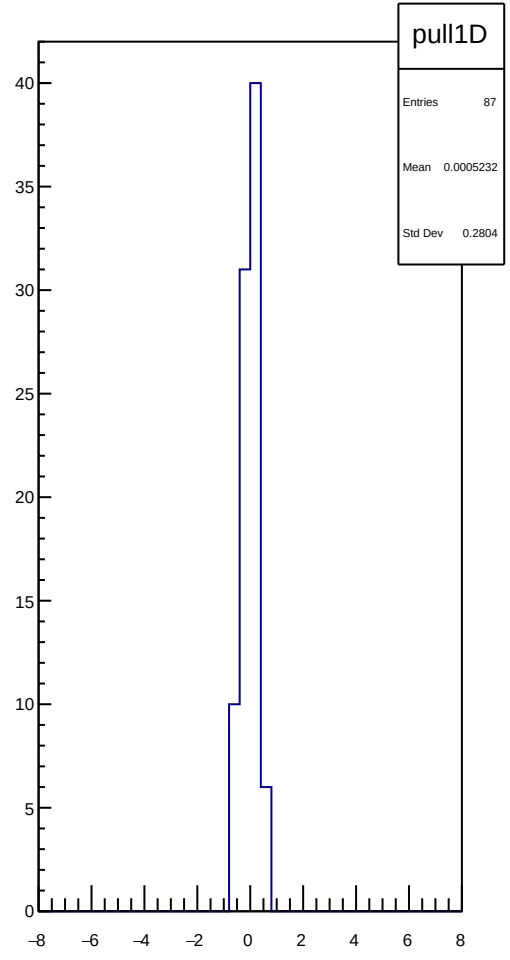

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.38 / 86
p0 −0.3509 ± 0.0382
pull
Entries 87
Mean 1681
Std Dev 1634

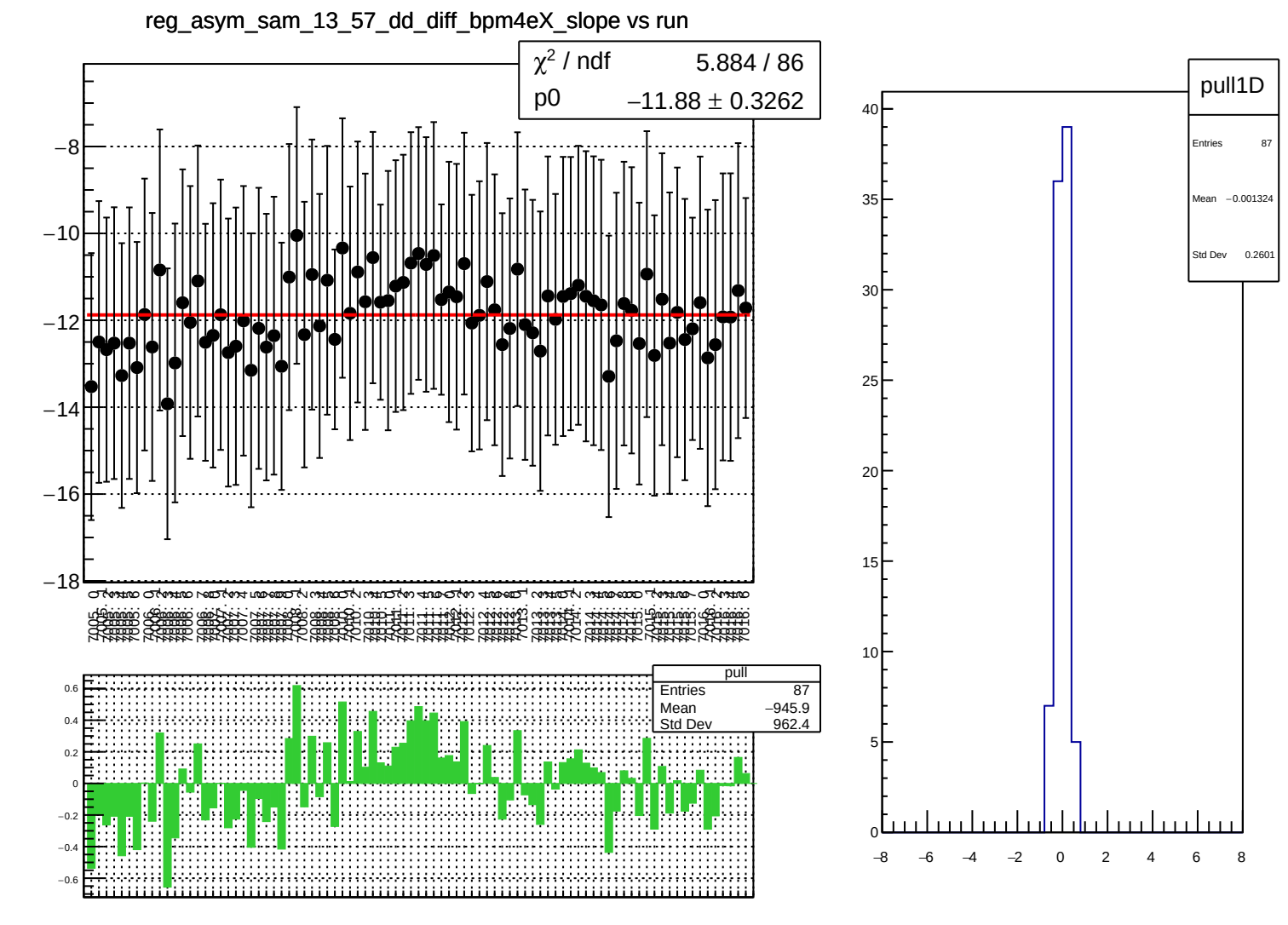

pull1D
Entries 87
Mean −0.008603
Std Dev 0.6286

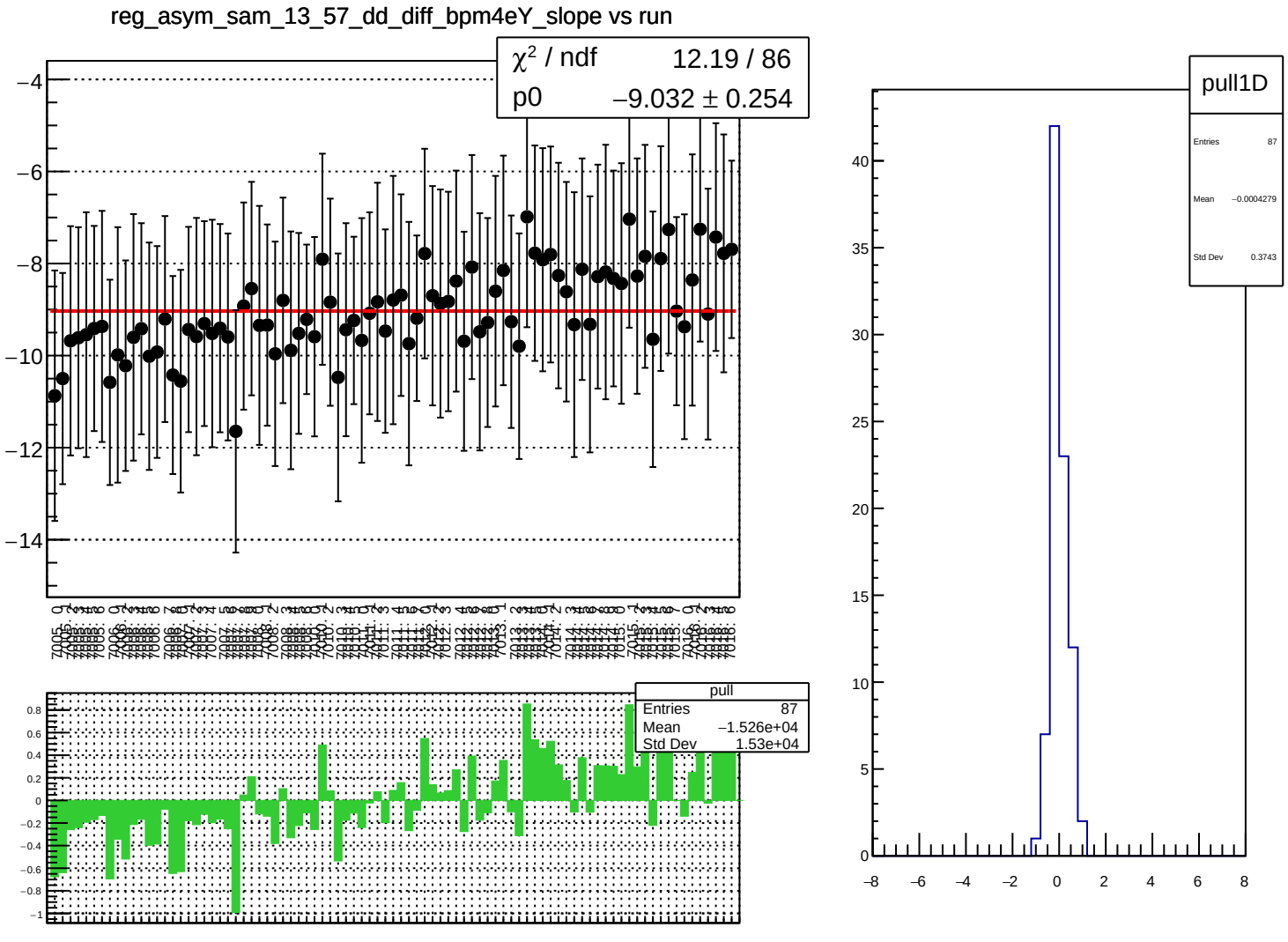

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 5.69 / 86
p0 −12.15 ± 0.3516
pull
Entries 87
Mean −25.04
Std Dev 112.1

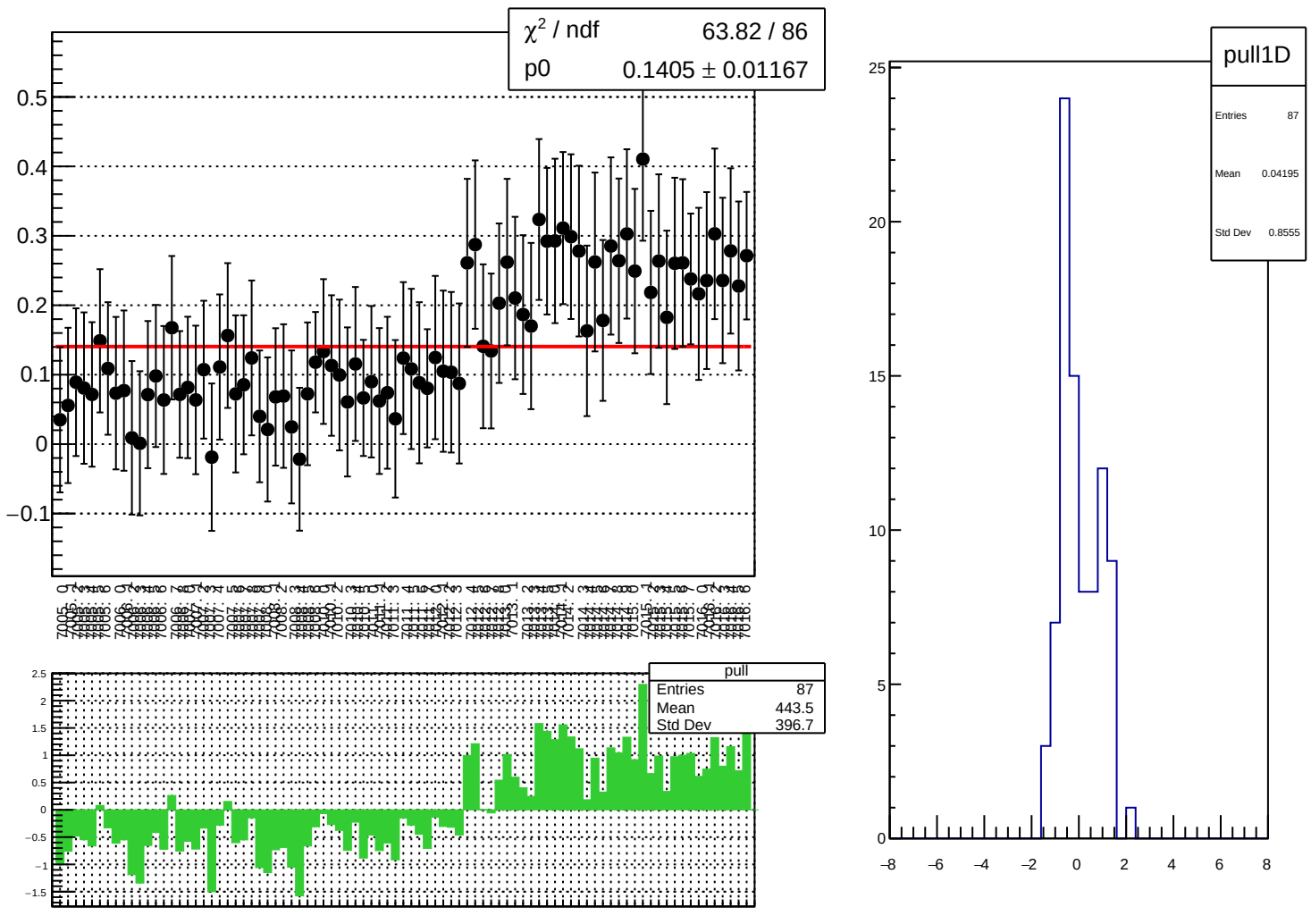

pull1D
Entries 87
Mean 0.00406
Std Dev 0.2557

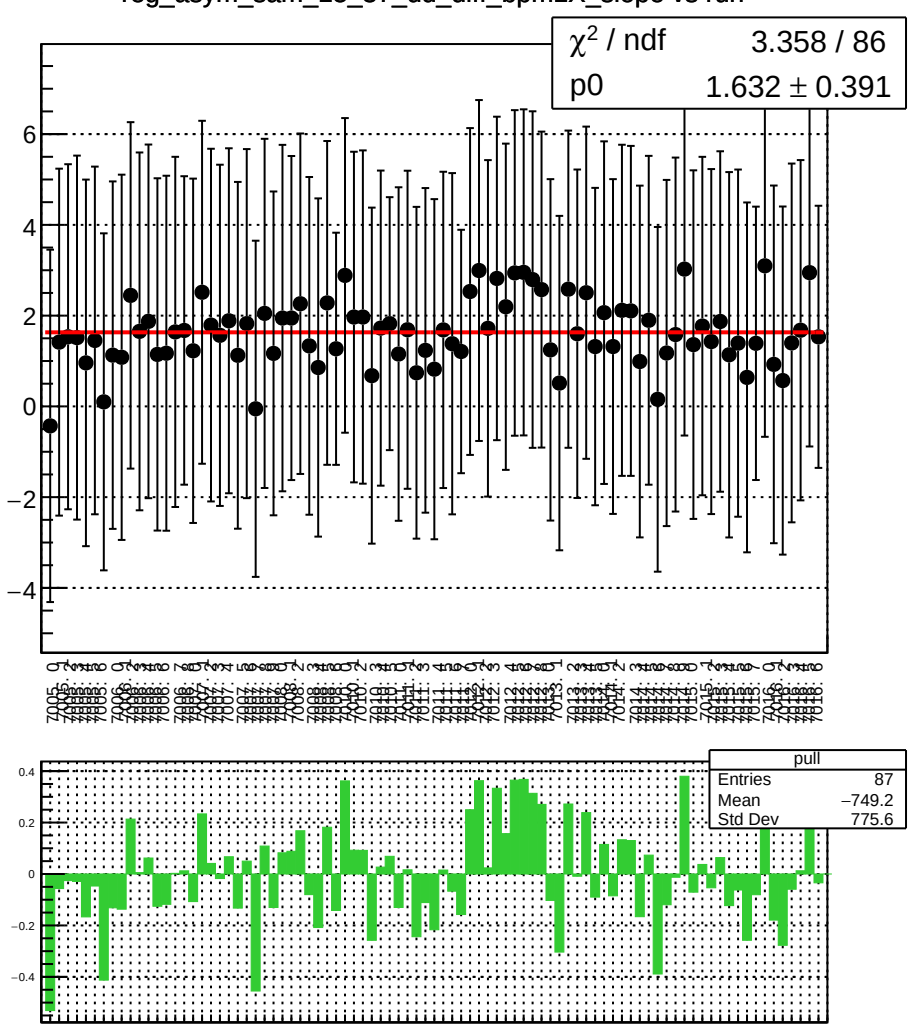

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.84 / 86
p0 −29.12 ± 0.2417
pull
Entries 87
Mean −7478
Std Dev 7519

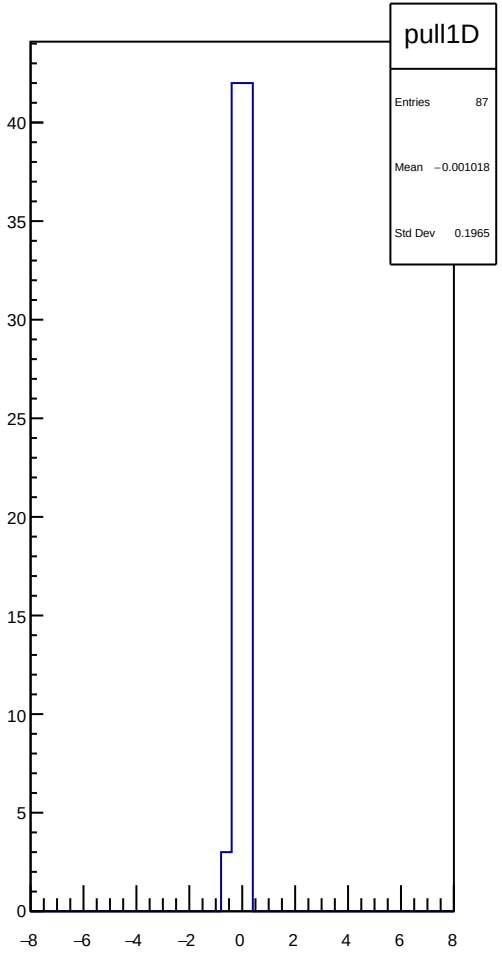

pull1D
Entries 87
Mean 0.0005232
Std Dev 0.2804

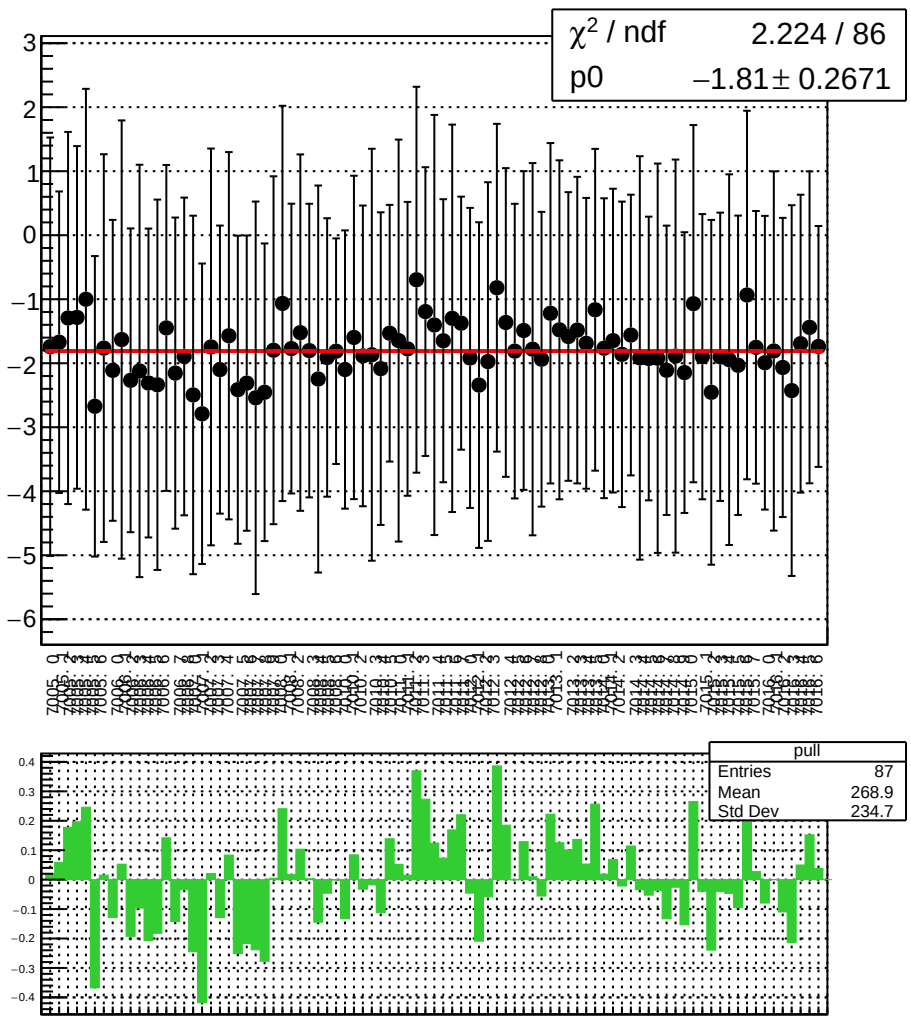

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.884 / 86
p0 −11.88 ± 0.3262
pull
Entries 87
Mean −945.9
Std Dev 962.4
pull1D
Entries 87
Mean −0.001324
Std Dev 0.2601

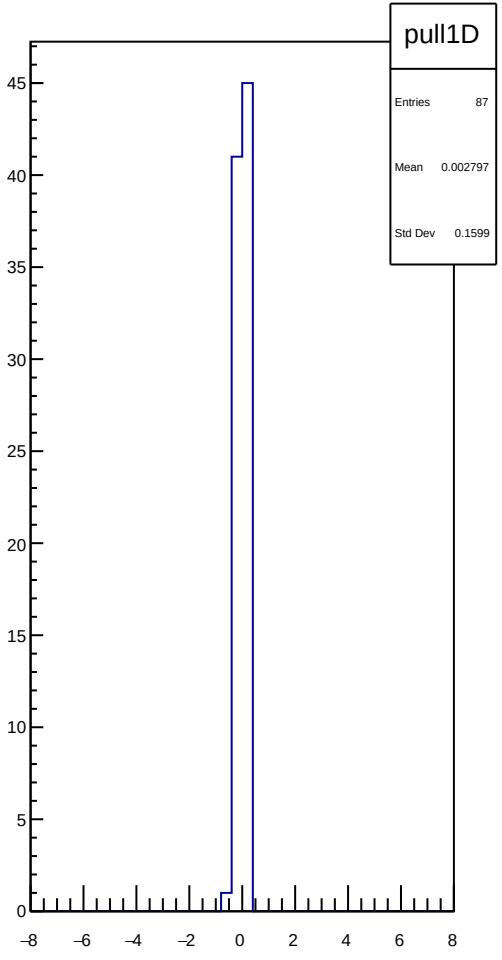

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.19 / 86
p0 −9.032 ± 0.254
pull
Entries 87
Mean −1.526e+04
Std Dev 1.53e+04
pull1D
Entries 87
Mean −0.0004279
Std Dev 0.3743

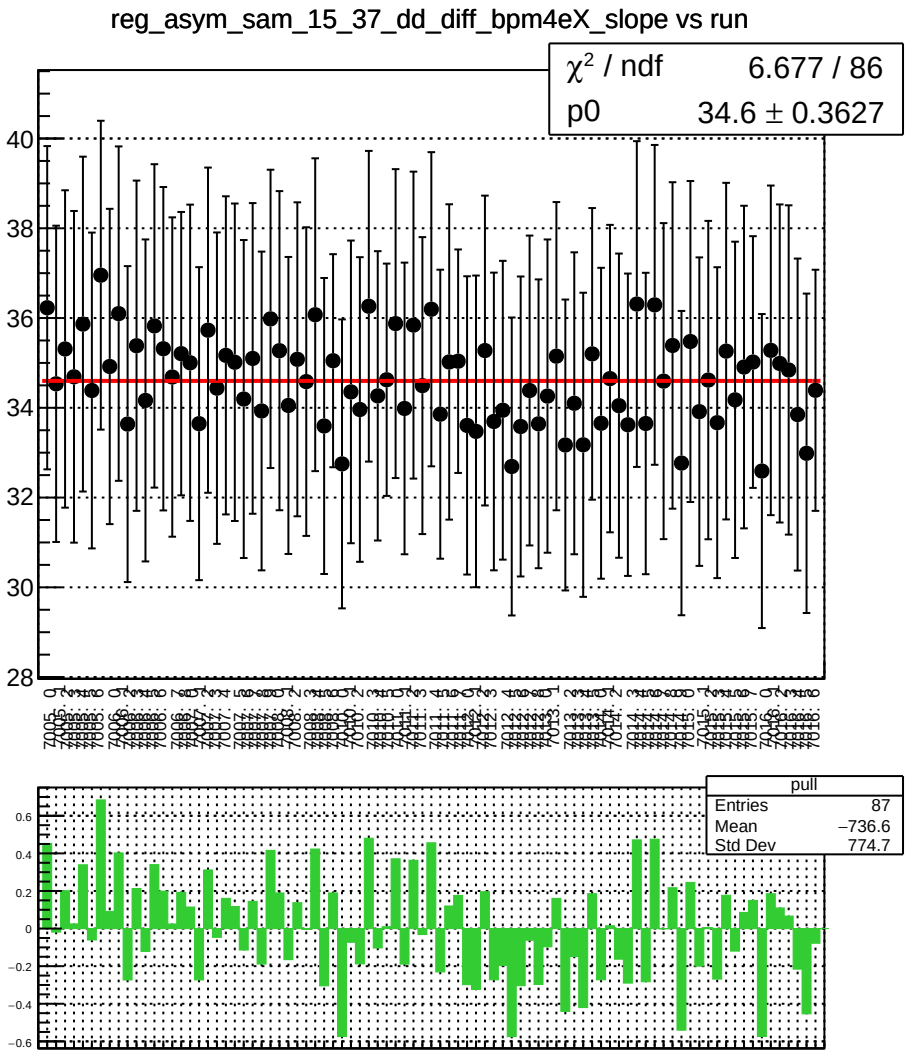

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 63.82 / 86
p0 0.1405 ± 0.01167
pull
Entries 87
Mean 443.5
Std Dev 396.7
pull1D
Entries 87
Mean 0.04195
Std Dev 0.8555

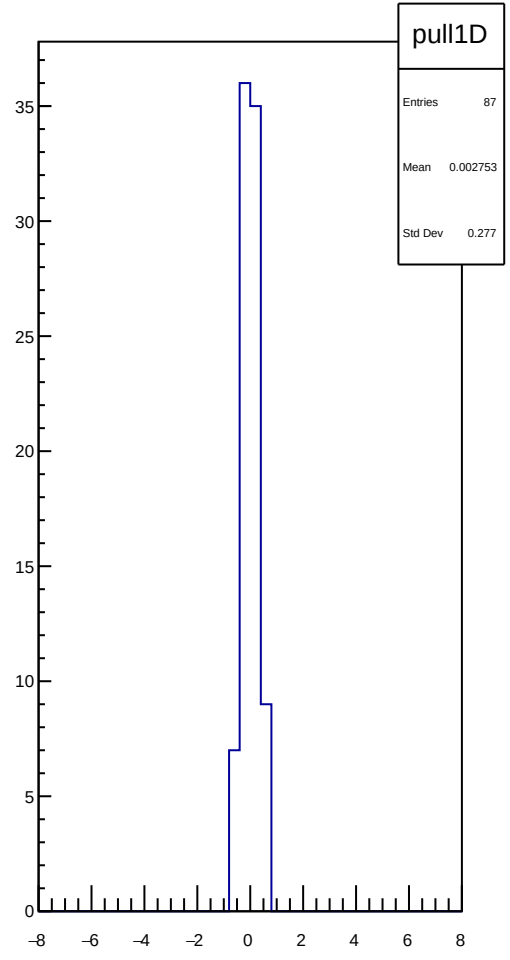

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.358 / 86
p0 1.632 ± 0.391
pull
Entries 87
Mean −749.2
Std Dev 775.6

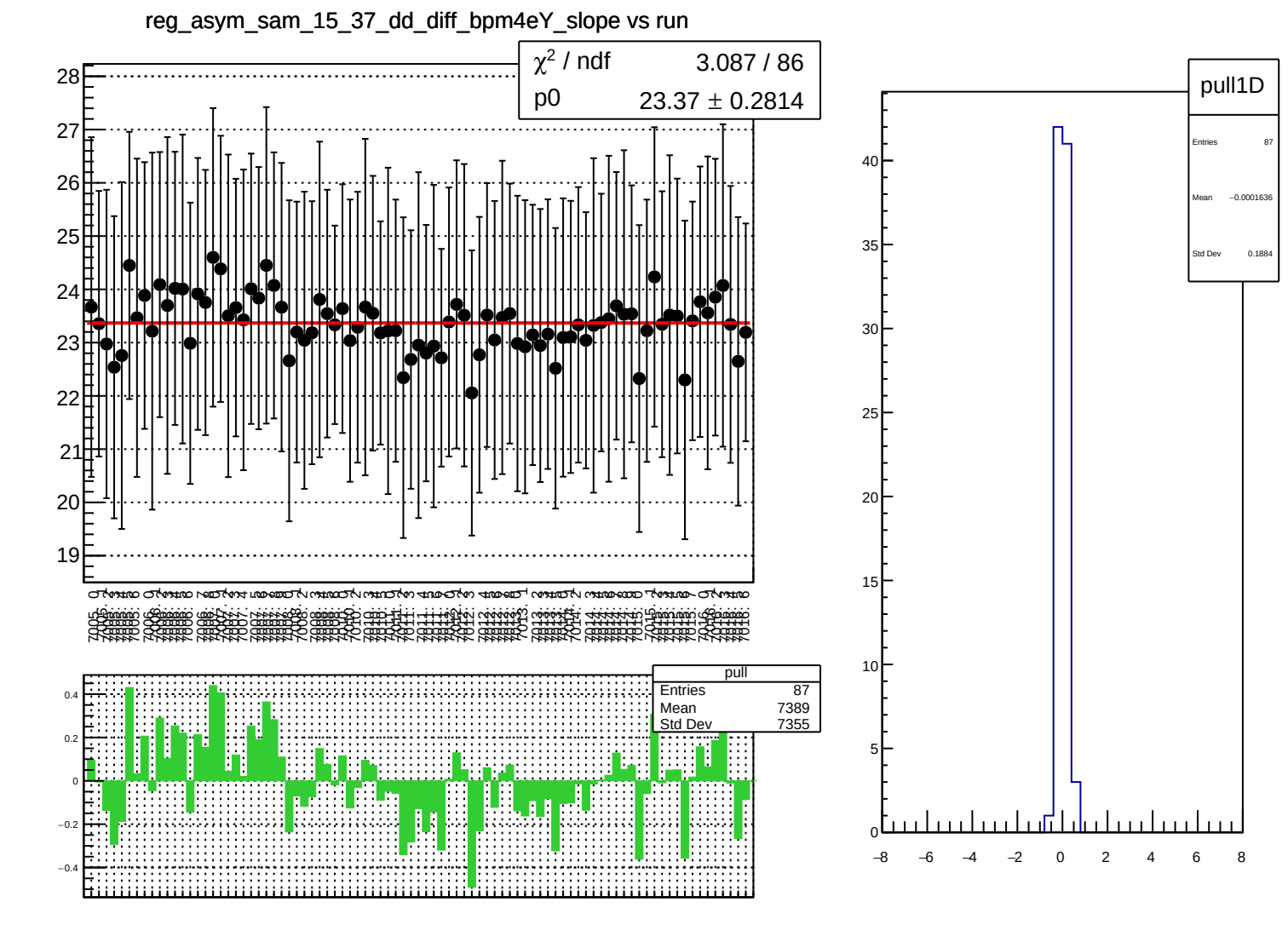

pull1D
Entries 87
Mean −0.001018
Std Dev 0.1965

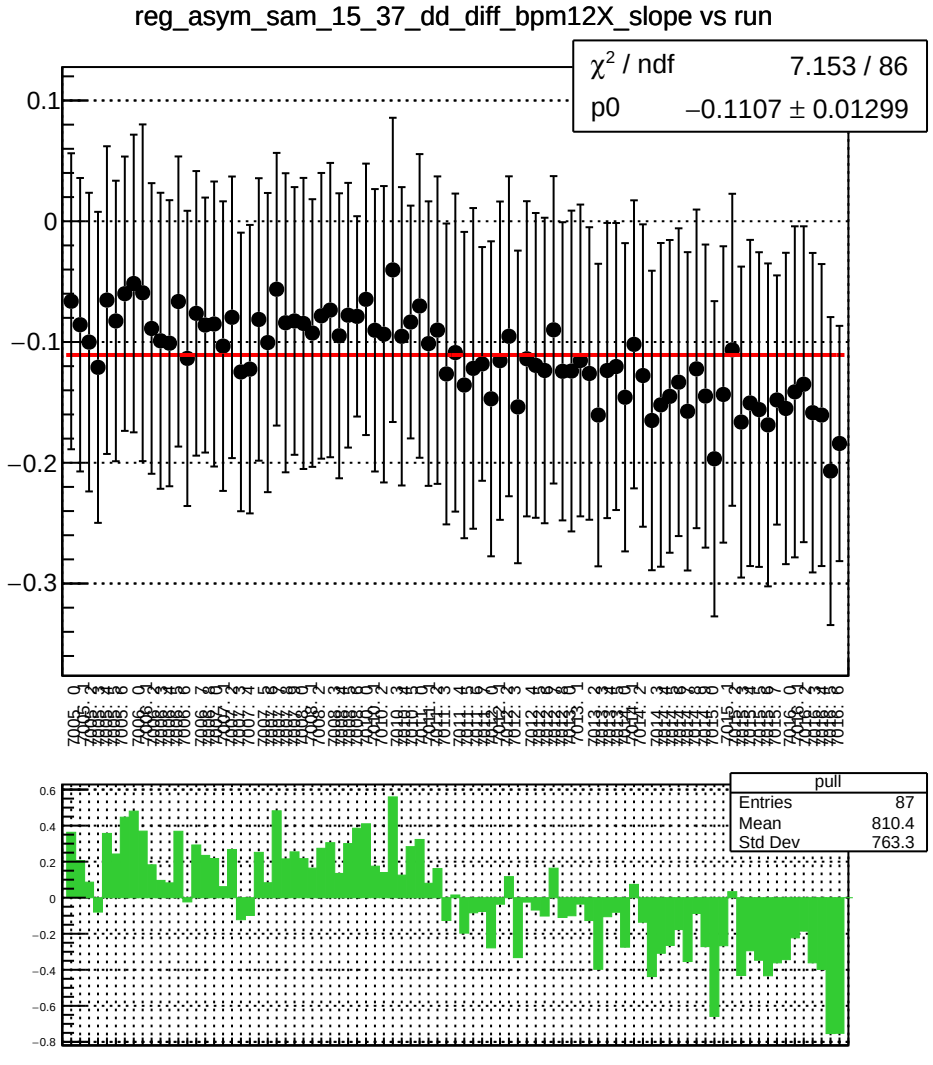

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.224 / 86
p0 −1.81 ± 0.2671
pull
Entries 87
Mean 268.9
Std Dev 234.7

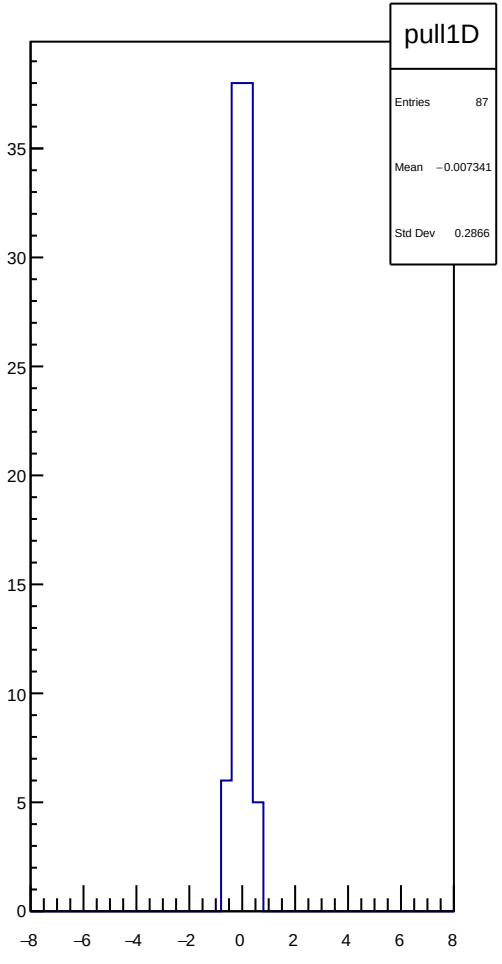

pull1D
Entries 87
Mean 0.002797
Std Dev 0.1599

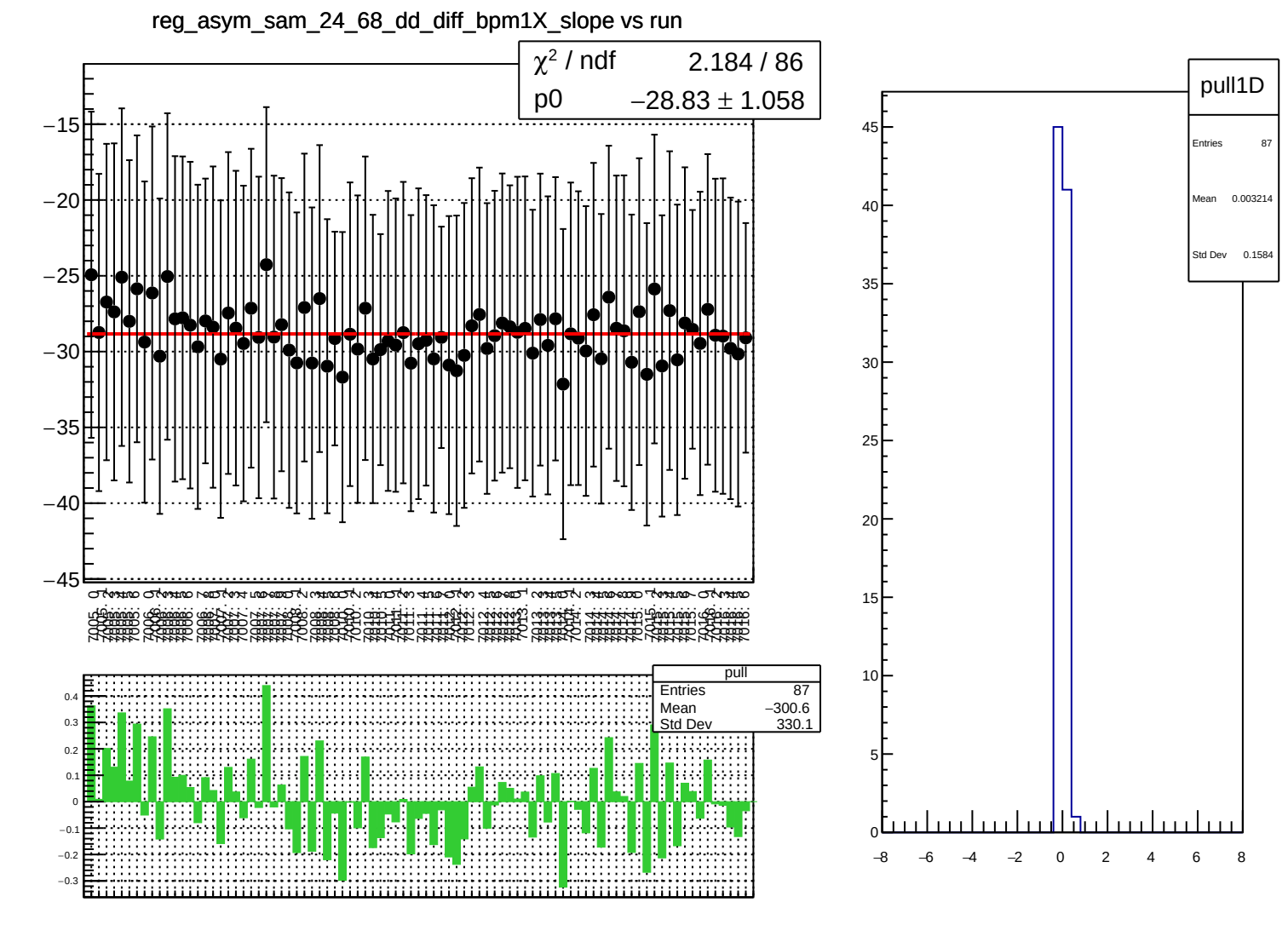

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.677 / 86
p0 34.6 ± 0.3627
pull
Entries 87
Mean −736.6
Std Dev 774.7

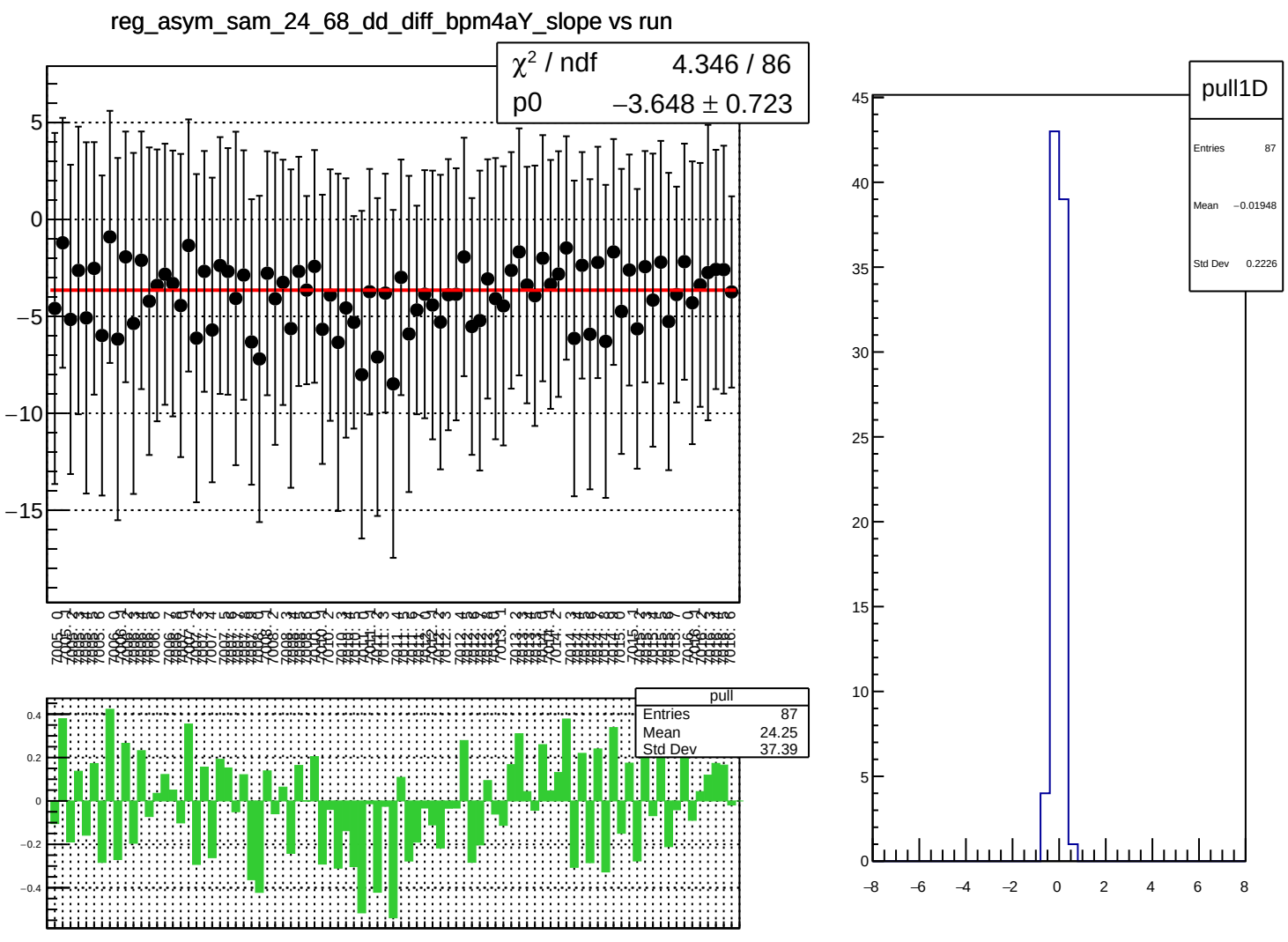

pull1D
Entries 87
Mean 0.002753
Std Dev 0.277

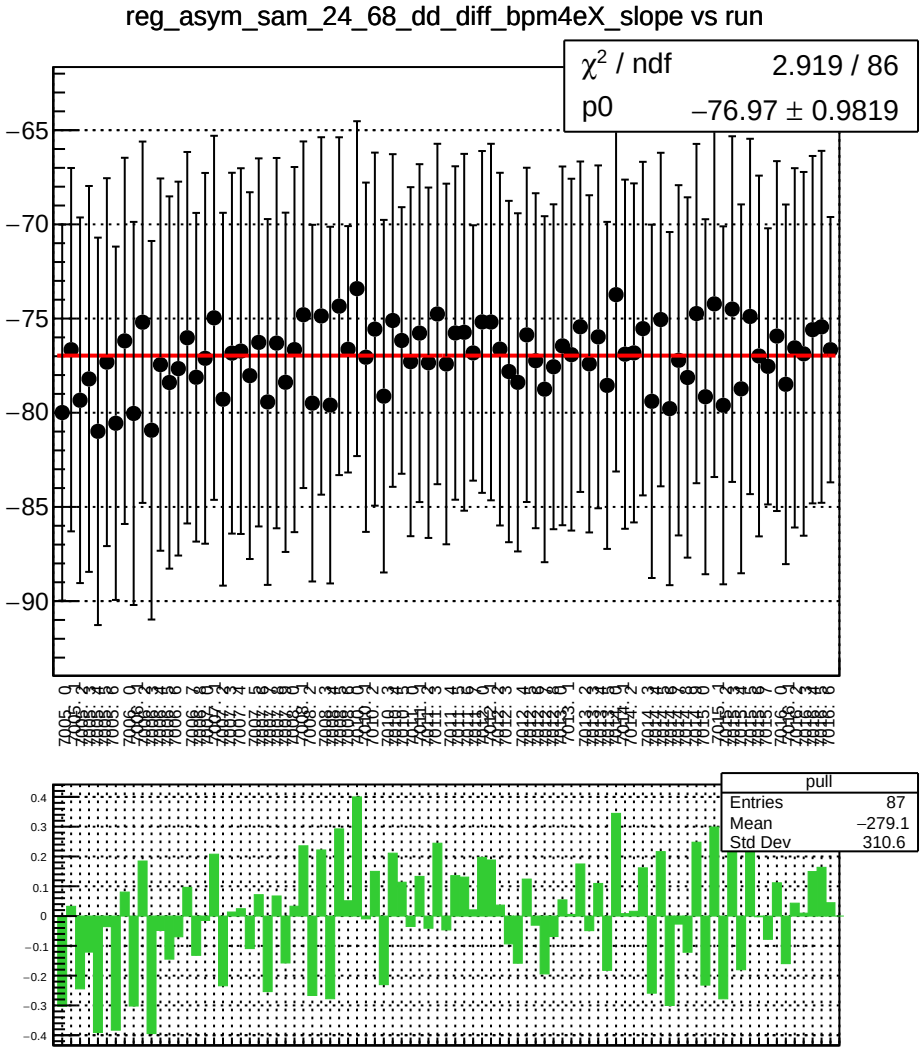

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.087 / 86
p0 23.37 ± 0.2814
pull
Entries 87
Mean 7389
Std Dev 7355
pull1D
Entries 87
Mean −0.0001636
Std Dev 0.1884

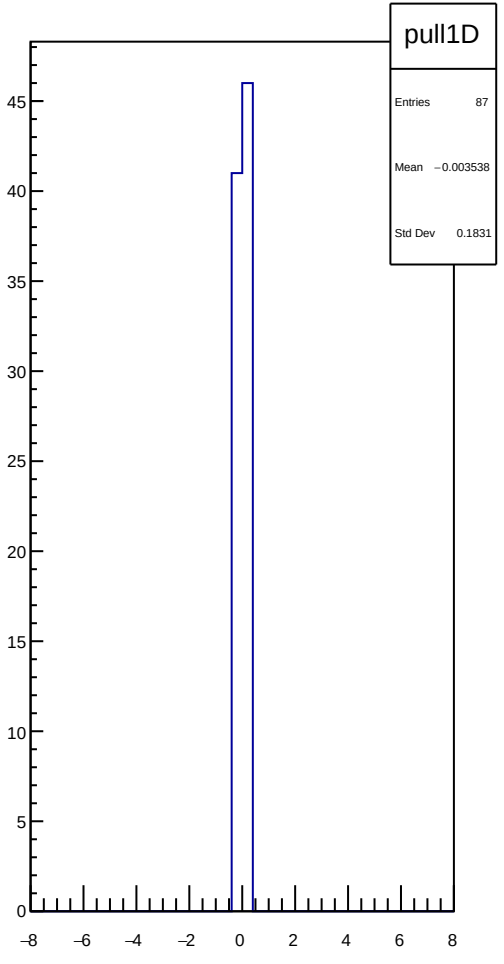

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.153 / 86
p0 −0.1107 ± 0.01299
pull
Entries 87
Mean 810.4
Std Dev 763.3

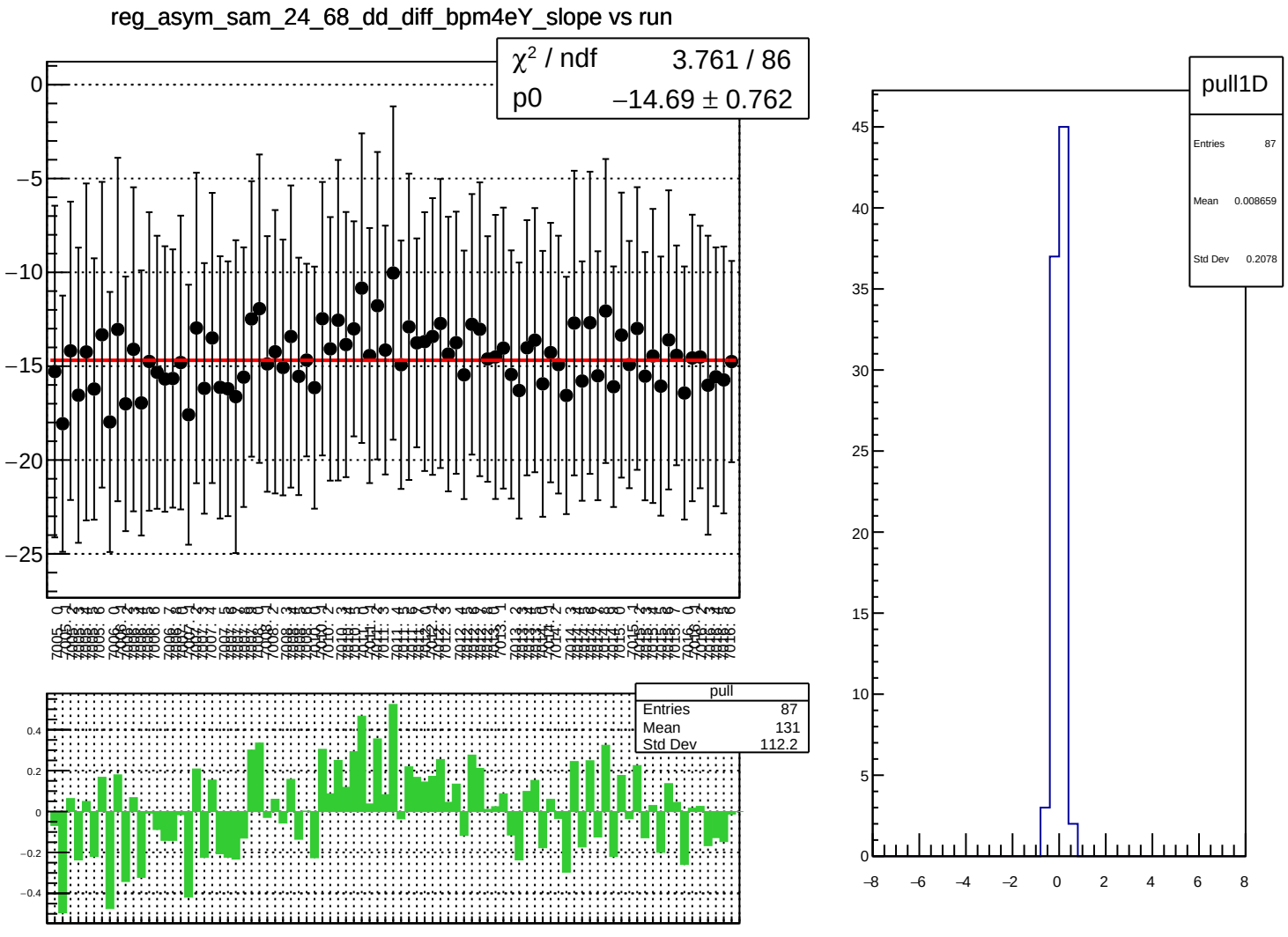

pull1D
Entries 87
Mean −0.007341
Std Dev 0.2866

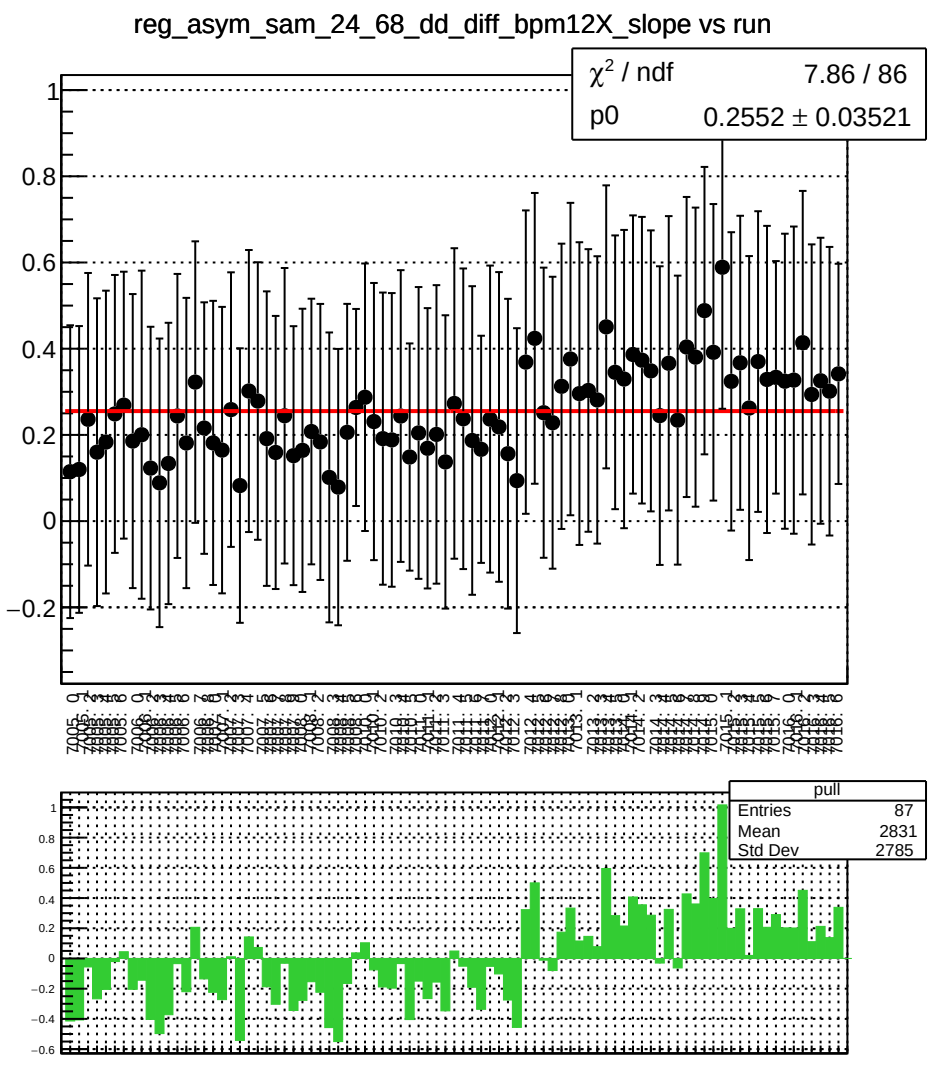

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.184 / 86
p0 −28.83 ± 1.058
pull
Entries 87
Mean −300.6
Std Dev 330.1
pull1D
Entries 87
Mean 0.003214
Std Dev 0.1584

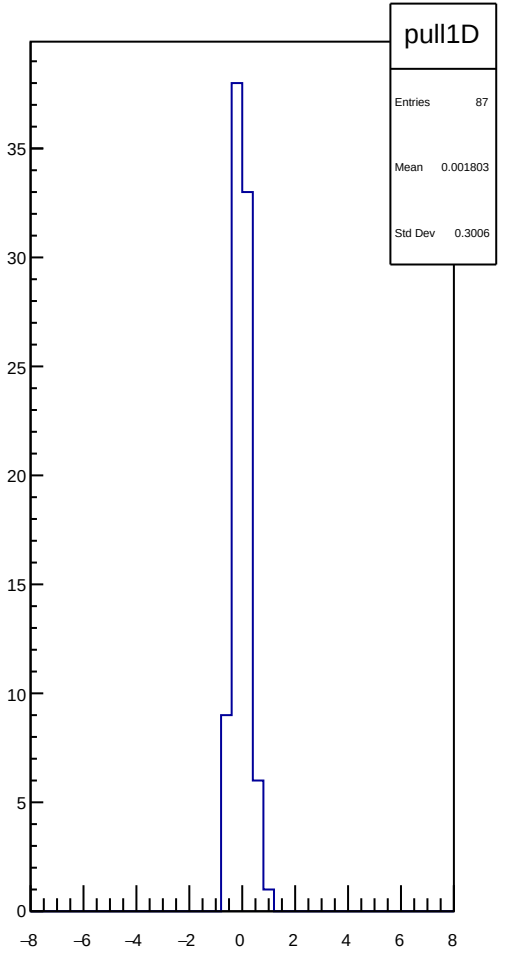

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.346 / 86
p0 −3.648 ± 0.723
pull
Entries 87
Mean 24.25
Std Dev 37.39
pull1D
Entries 87
Mean −0.01948
Std Dev 0.2226

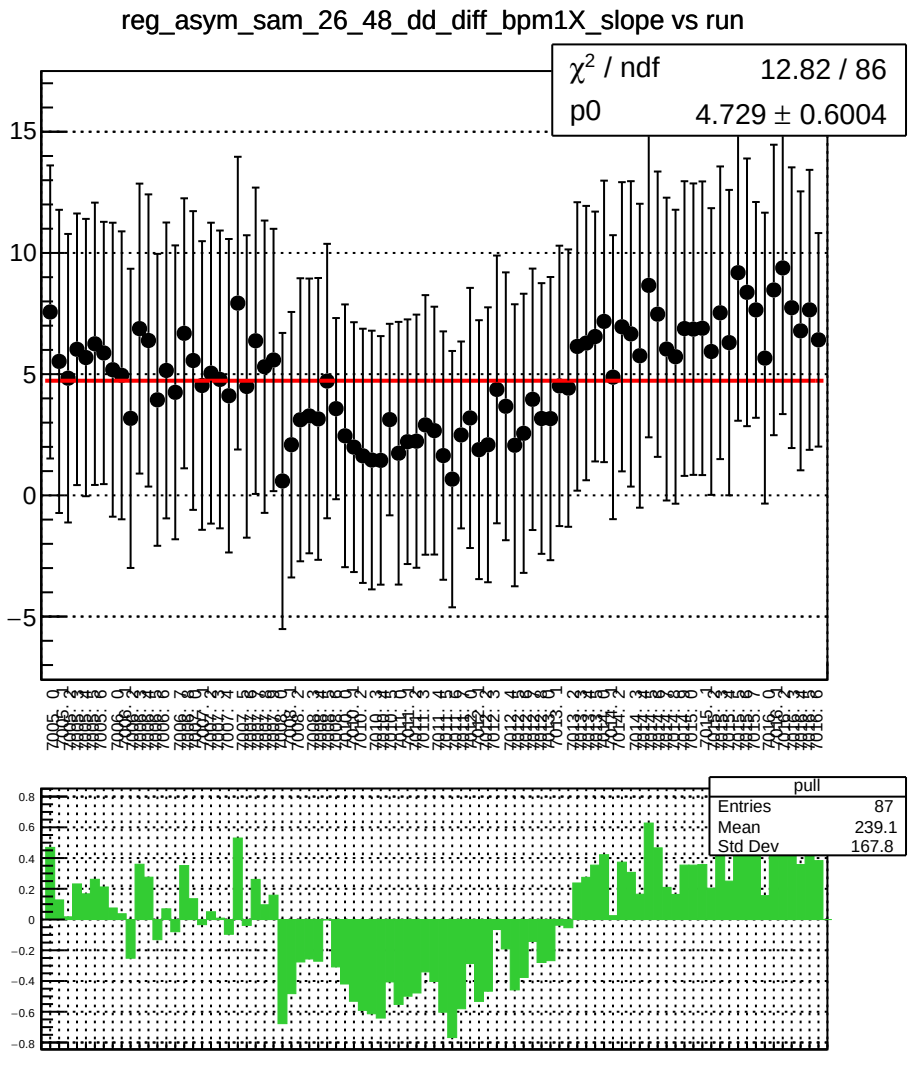

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.919 / 86
p0 −76.97 ± 0.9819
pull
Entries 87
Mean −279.1
Std Dev 310.6

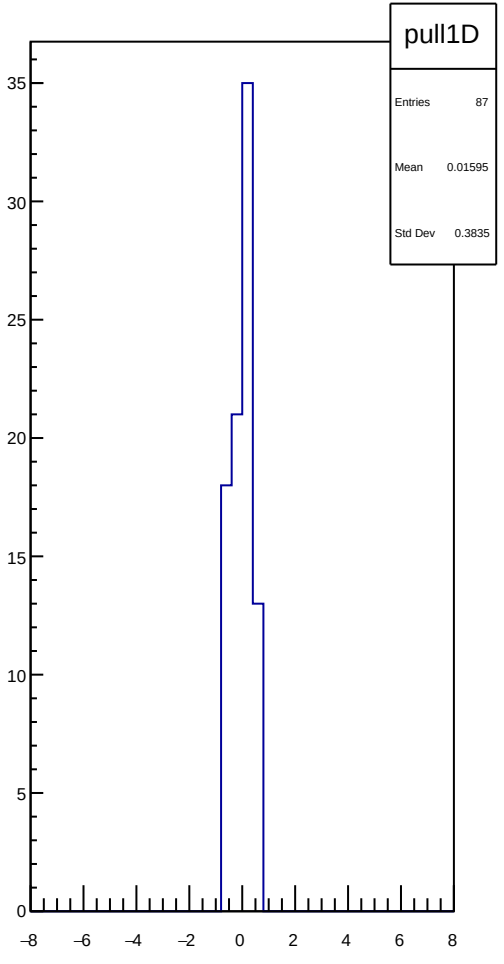

pull1D
Entries 87
Mean −0.003538
Std Dev 0.1831

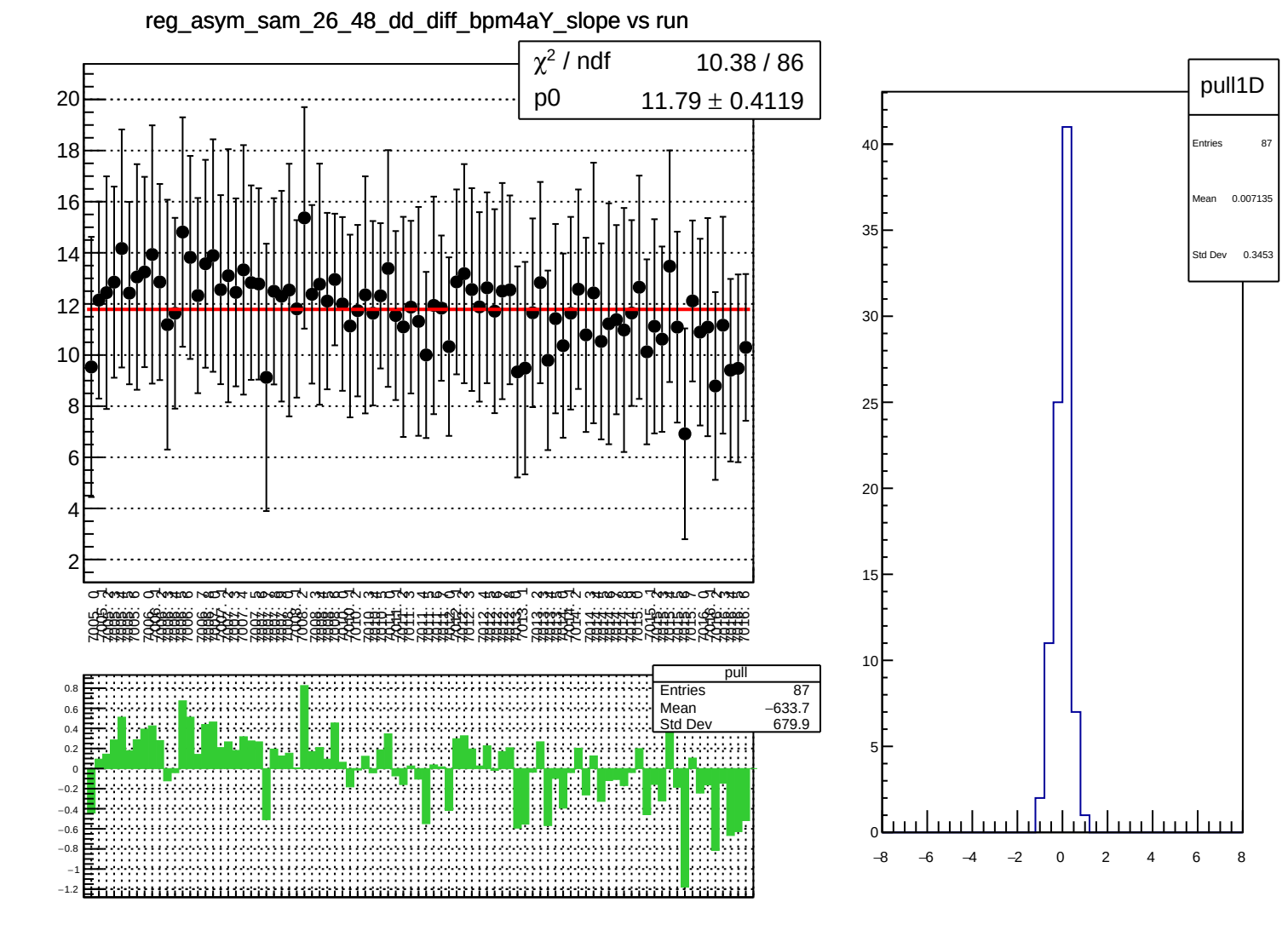

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.761 / 86
p0 −14.69 ± 0.762
pull
Entries 87
Mean 131
Std Dev 112.2
pull1D
Entries 87
Mean 0.008659
Std Dev 0.2078

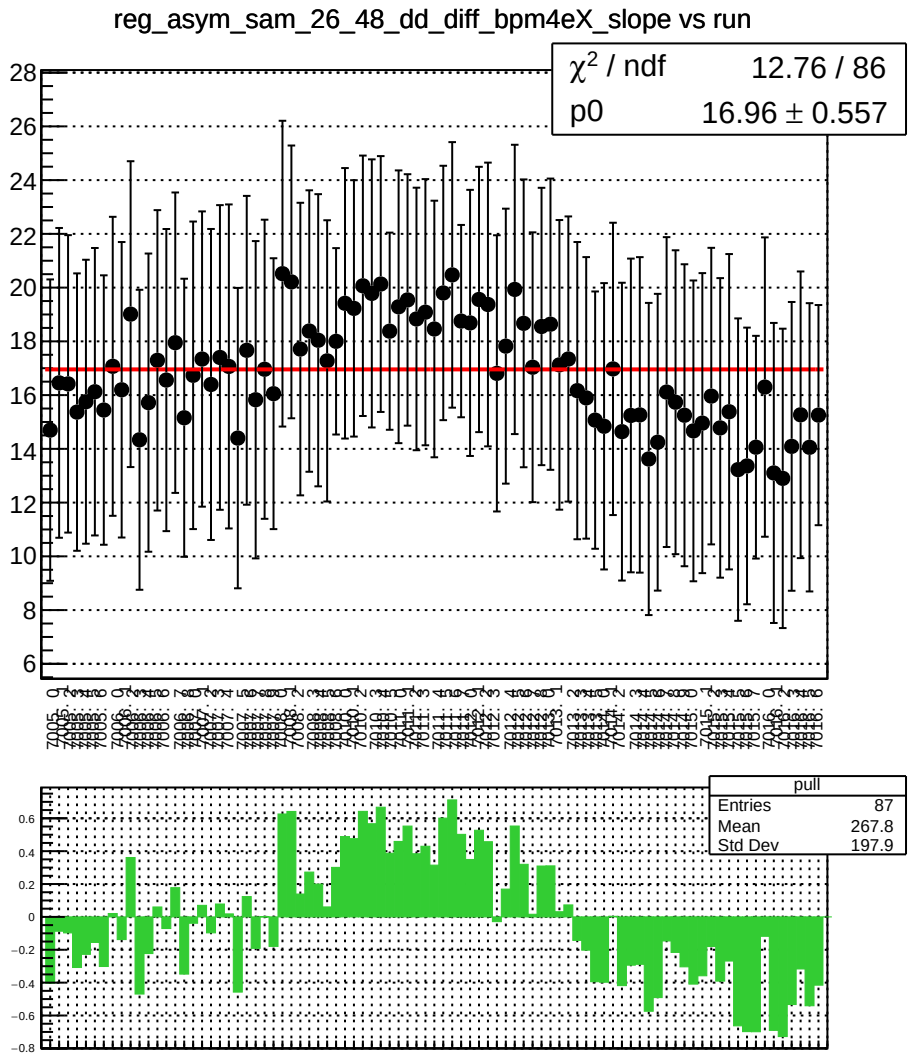

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 7.86 / 86
p0 0.2552 ± 0.03521
pull
Entries 87
Mean 2831
Std Dev 2785

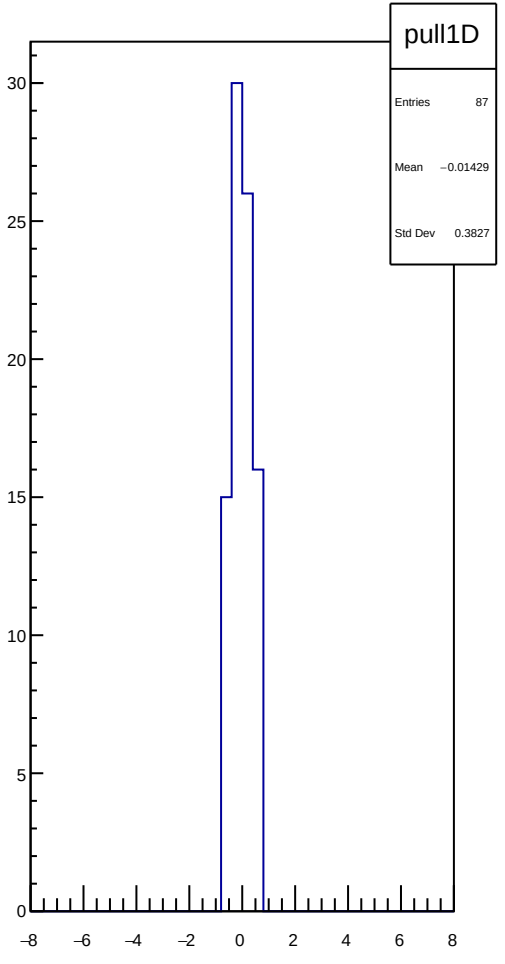

pull1D
Entries 87
Mean 0.001803
Std Dev 0.3006

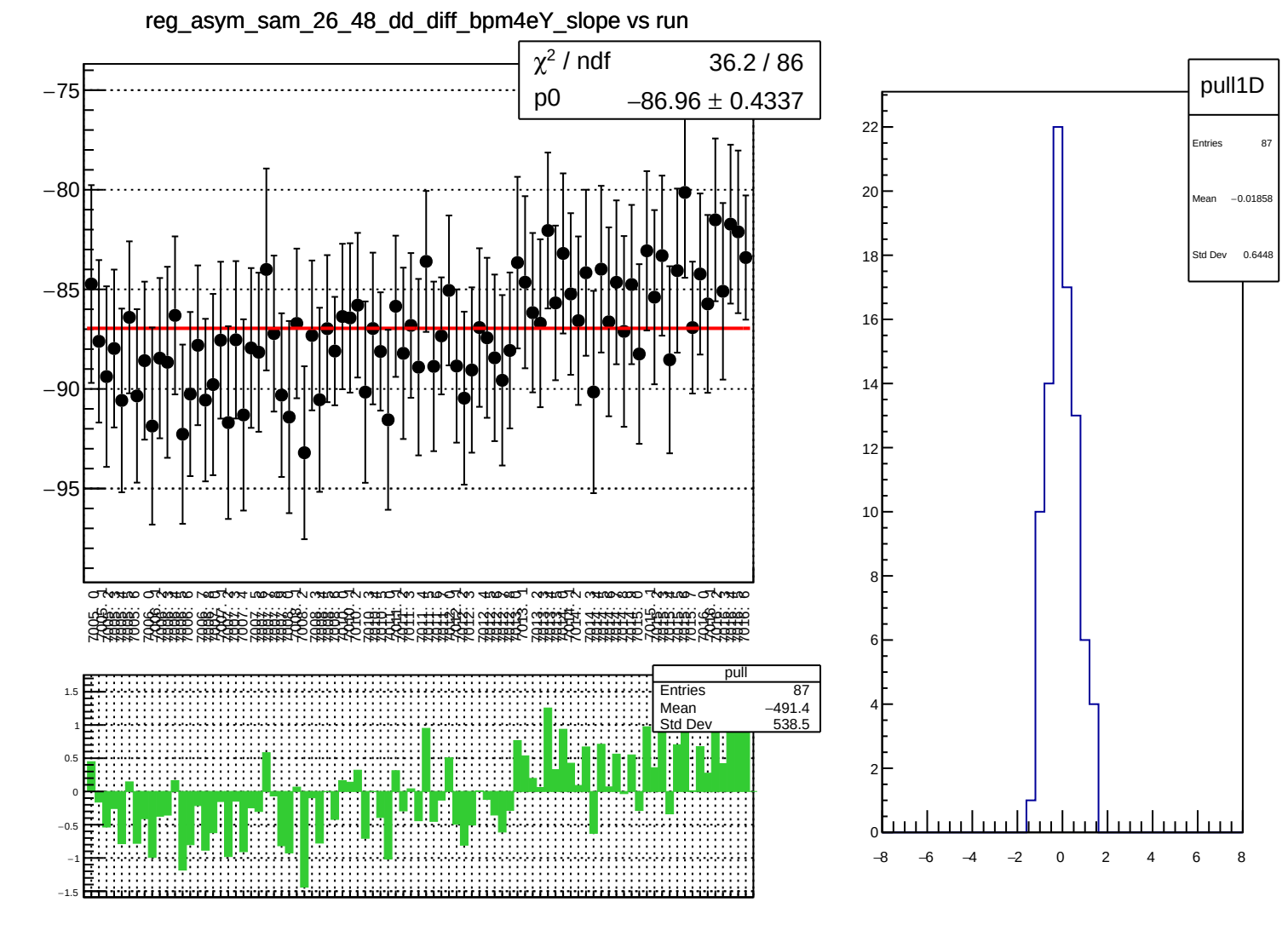

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.82 / 86
p0 4.729 ± 0.6004
pull
Entries 87
Mean 239.1
Std Dev 167.8

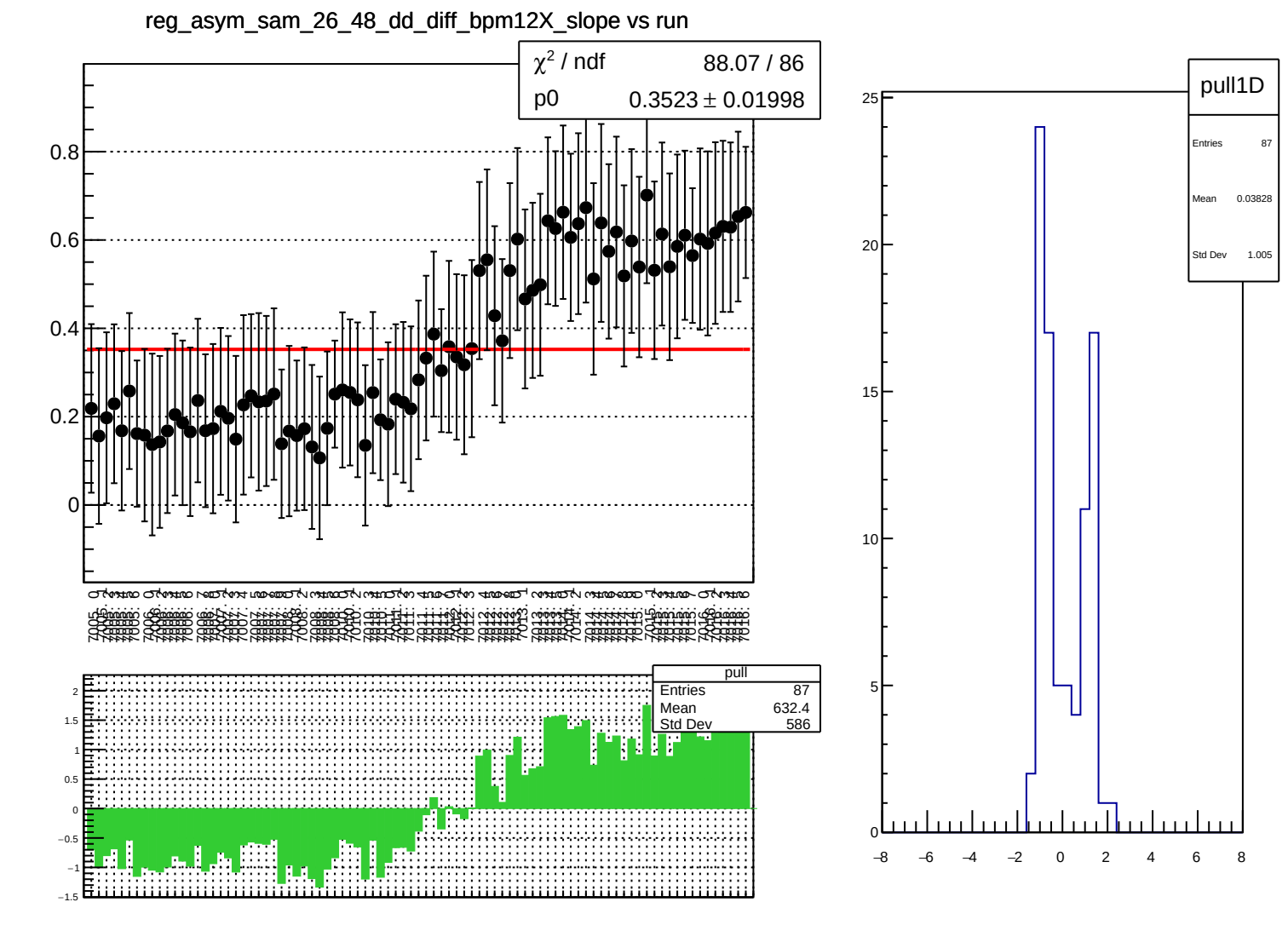

pull1D
Entries 87
Mean 0.01595
Std Dev 0.3835

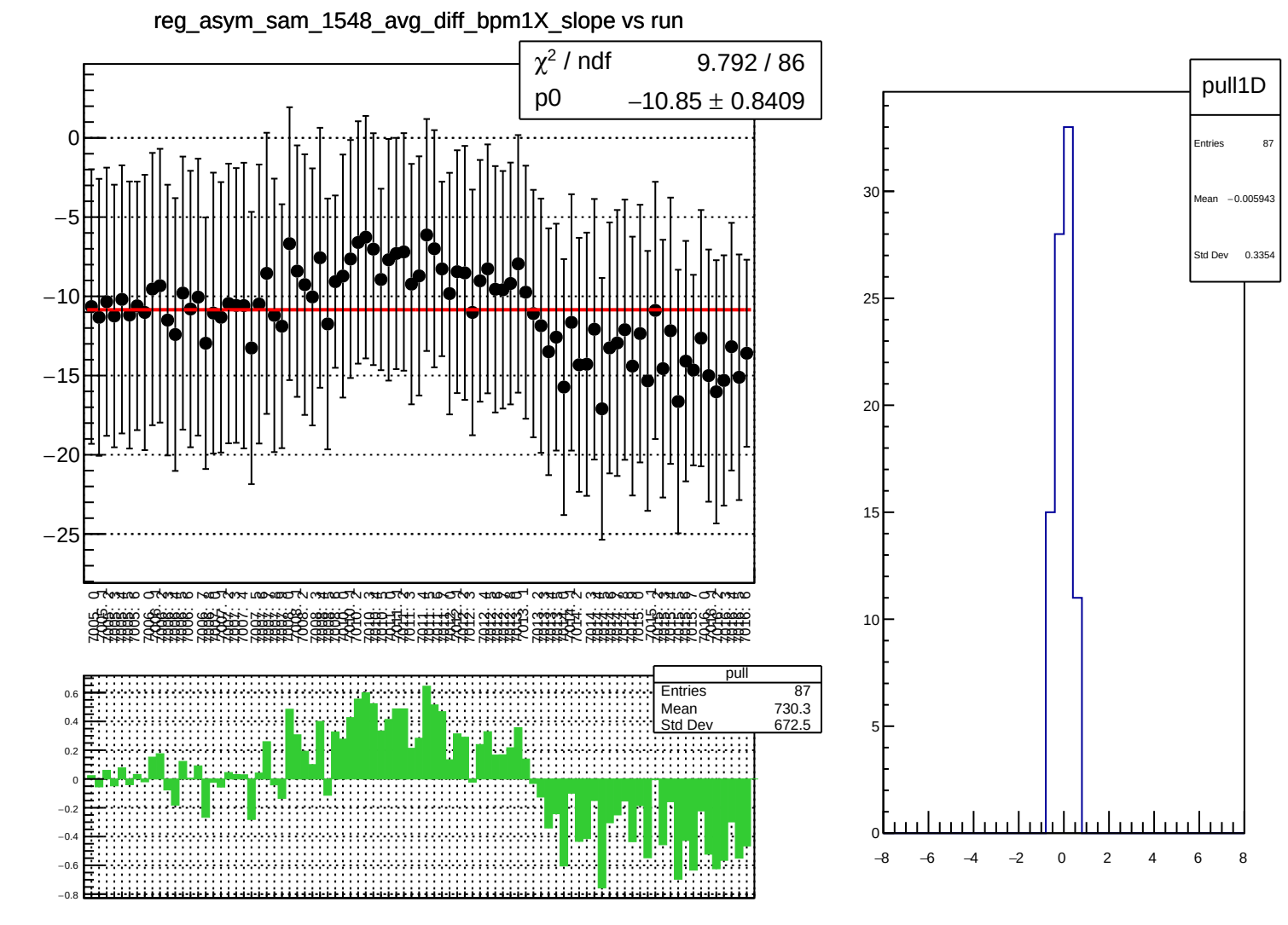

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.38 / 86
p0 11.79 ± 0.4119
pull
Entries 87
Mean −633.7
Std Dev 679.9
pull1D
Entries 87
Mean 0.007135
Std Dev 0.3453

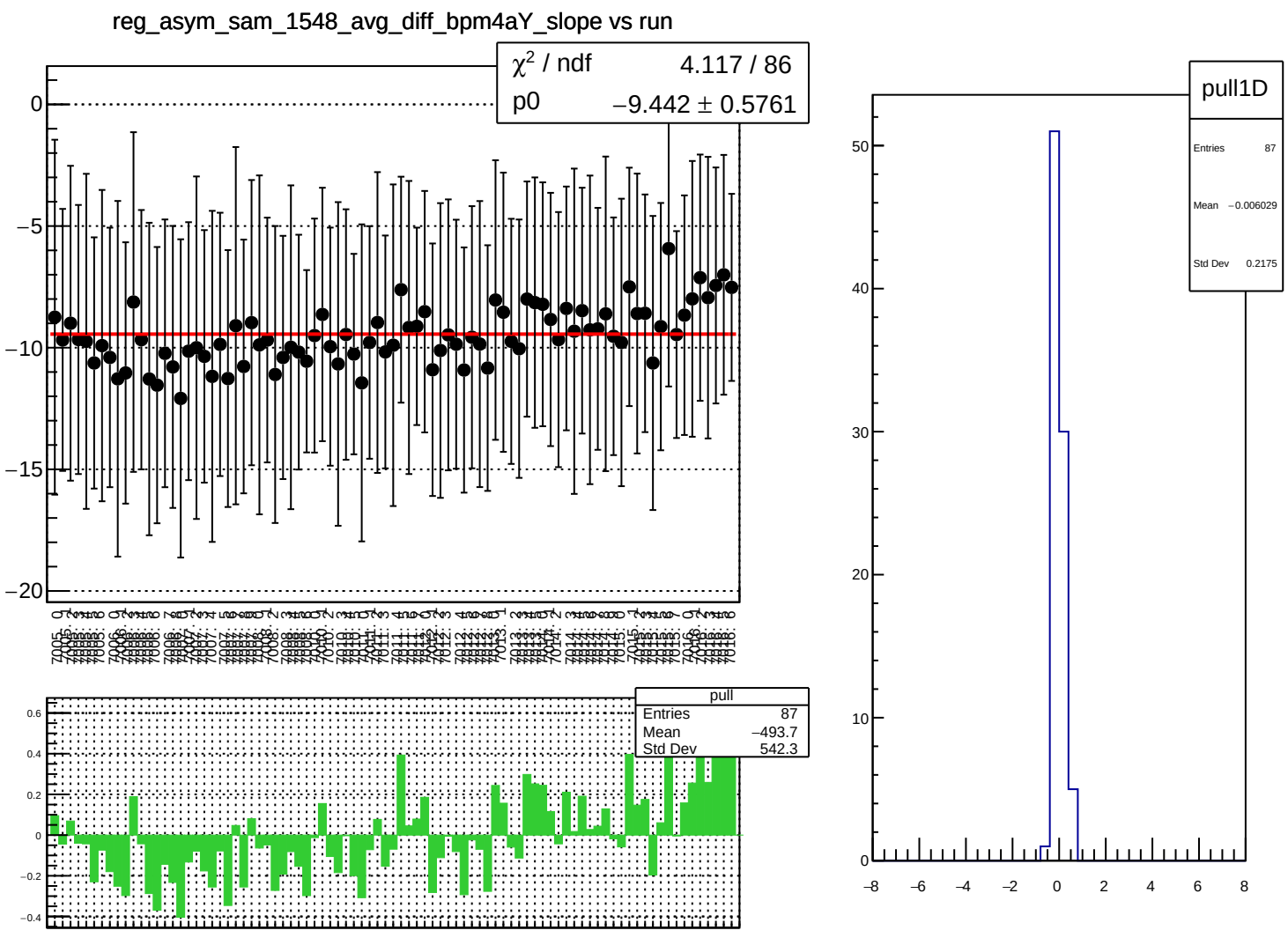

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.76 / 86
p0 16.96 ± 0.557
pull
Entries 87
Mean 267.8
Std Dev 197.9

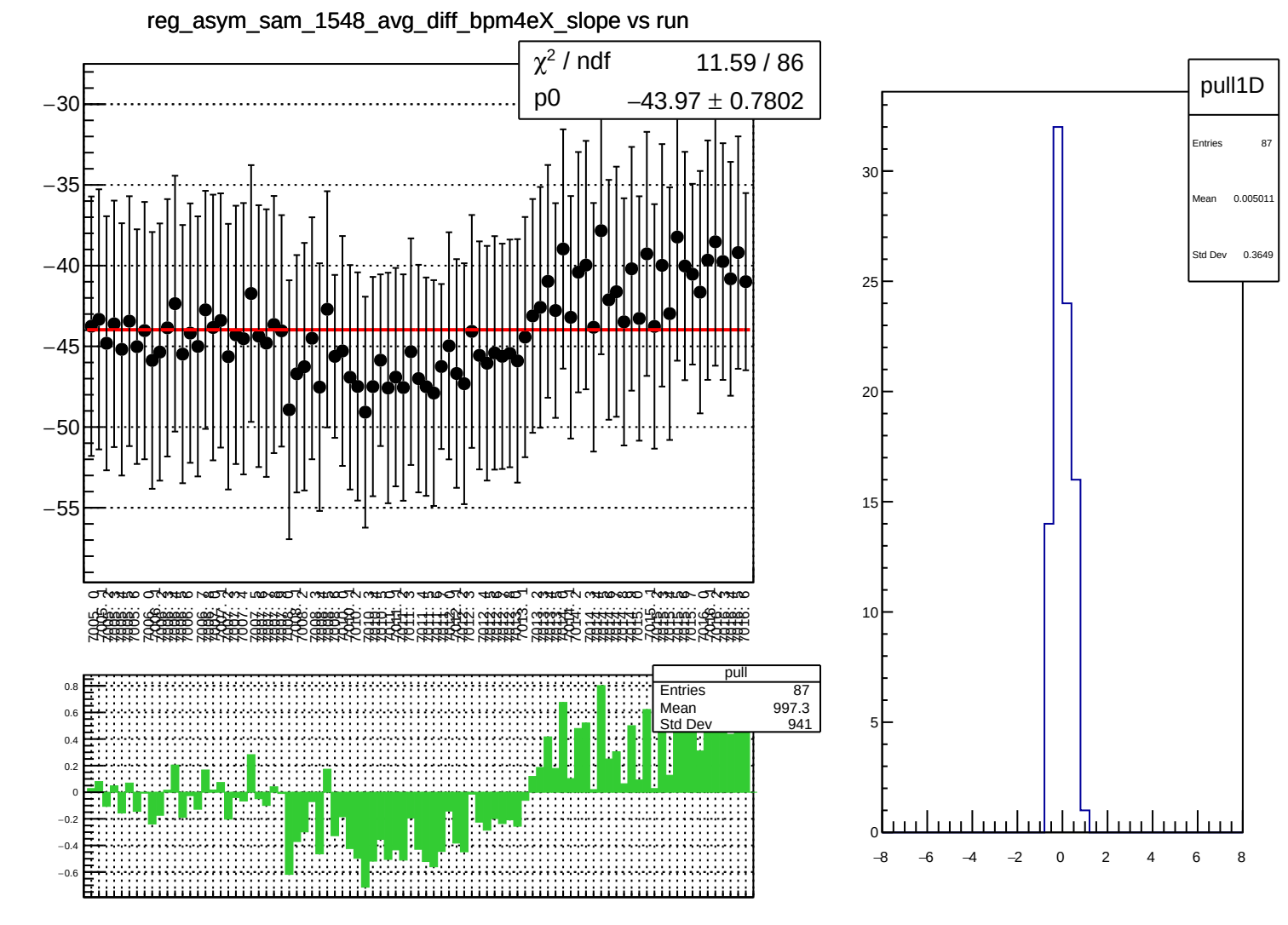

pull1D
Entries 87
Mean −0.01429
Std Dev 0.3827

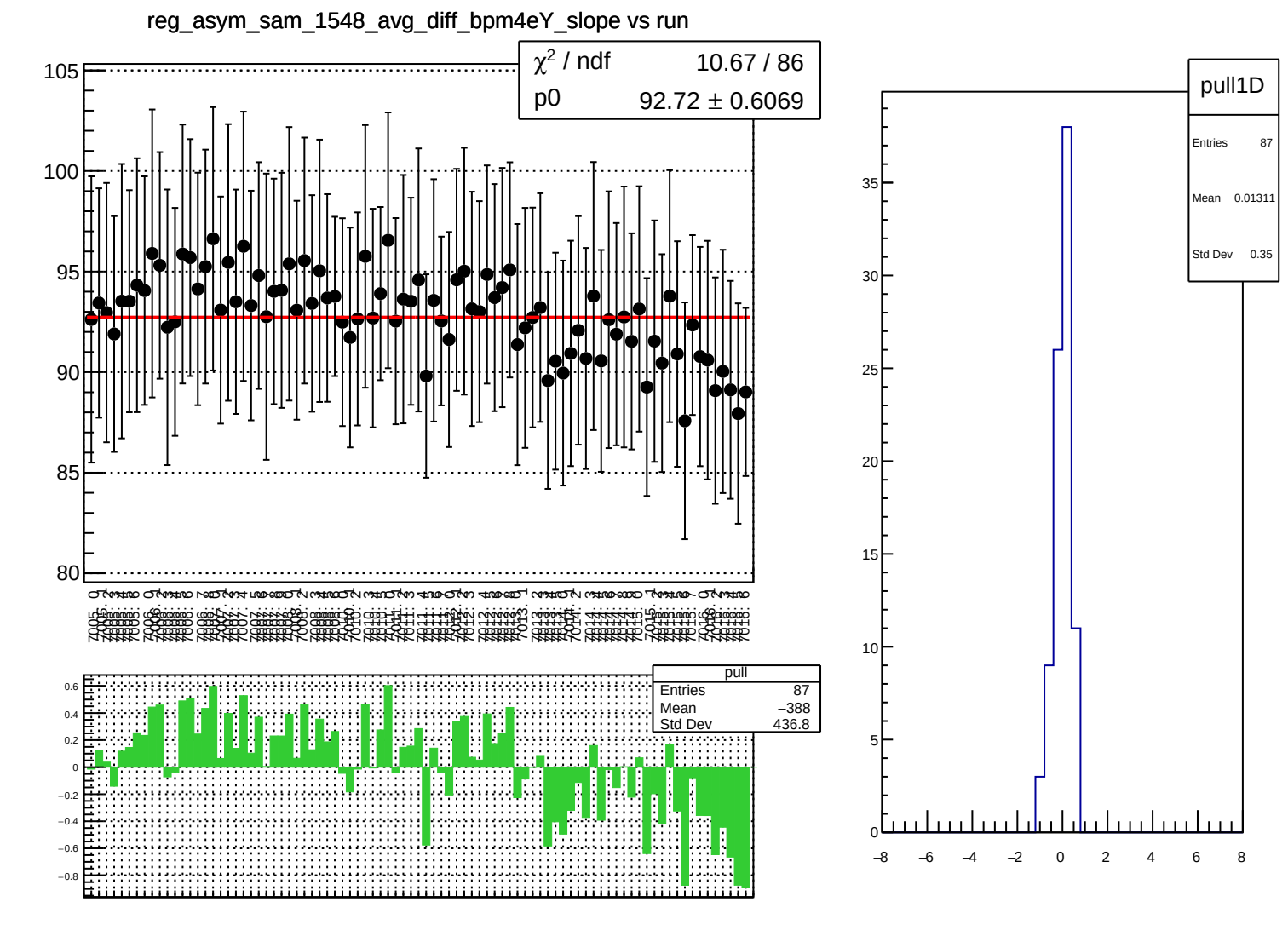

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.2 / 86
p0 −86.96 ± 0.4337
pull
Entries 87
Mean −491.4
Std Dev 538.5
pull1D
Entries 87
Mean −0.01858
Std Dev 0.6448

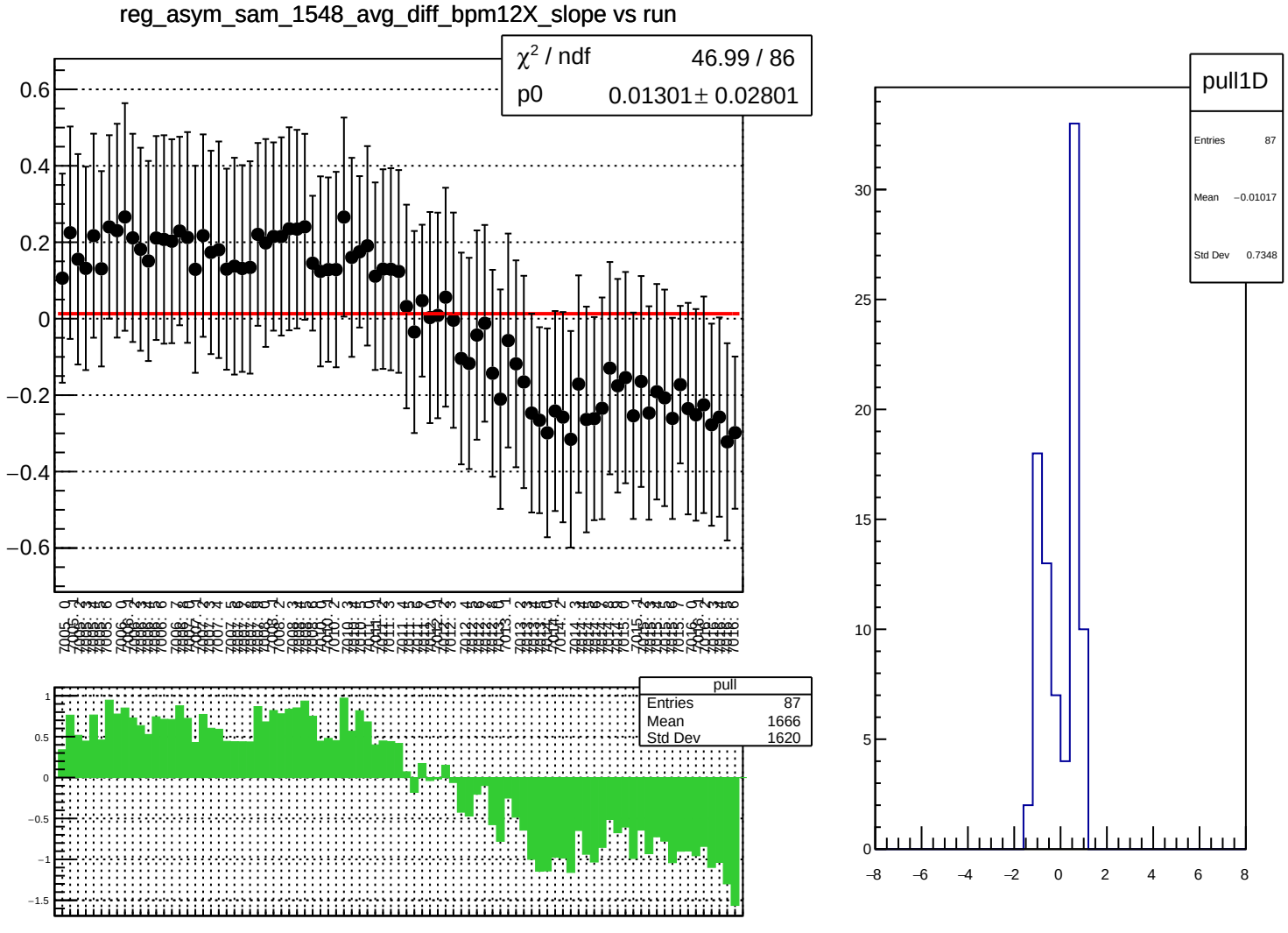

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 88.07 / 86
p0 0.3523 ± 0.01998
pull
Entries 87
Mean 632.4
Std Dev 586
pull1D
Entries 87
Mean 0.03828
Std Dev 1.005

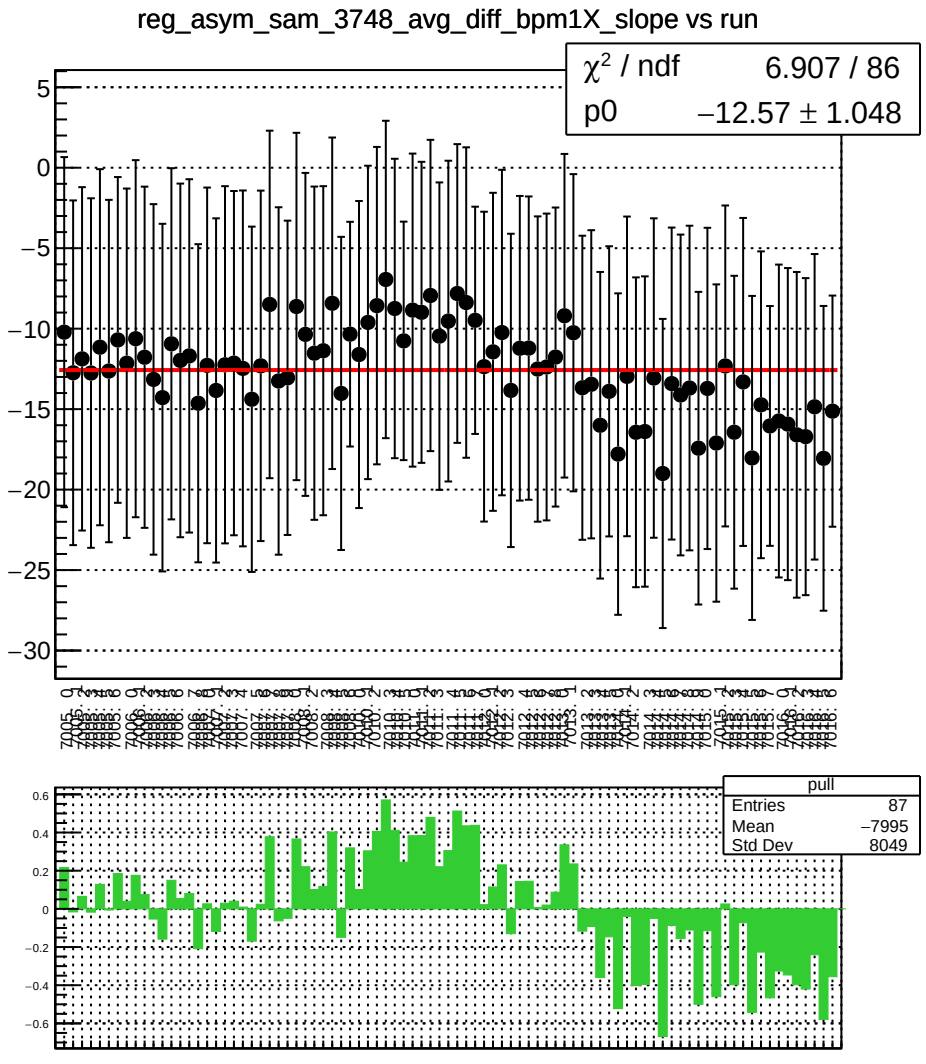

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 9.792 / 86
p0 −10.85 ± 0.8409
pull
Entries 87
Mean 730.3
Std Dev 672.5
pull1D
Entries 87
Mean −0.005943
Std Dev 0.3354

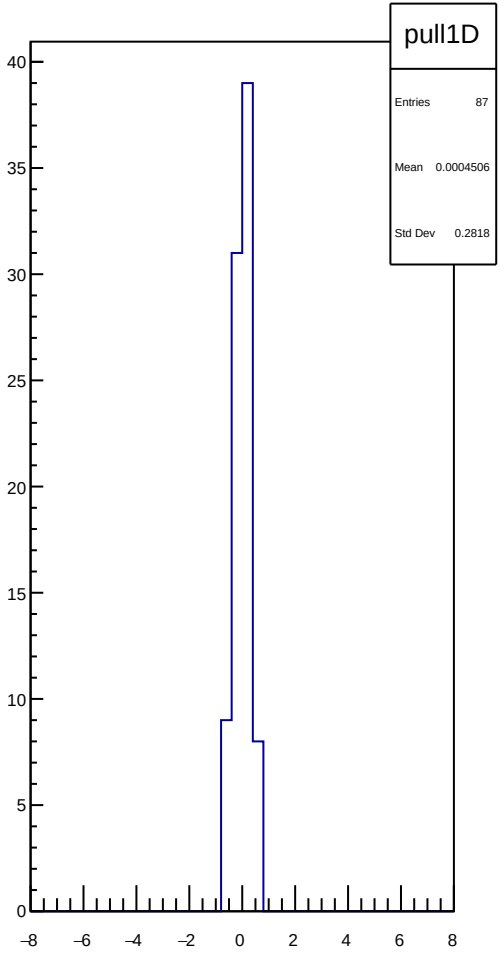

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.117 / 86
p0 −9.442 ± 0.5761
pull
Entries 87
Mean −493.7
Std Dev 542.3
pull1D
Entries 87
Mean −0.006029
Std Dev 0.2175

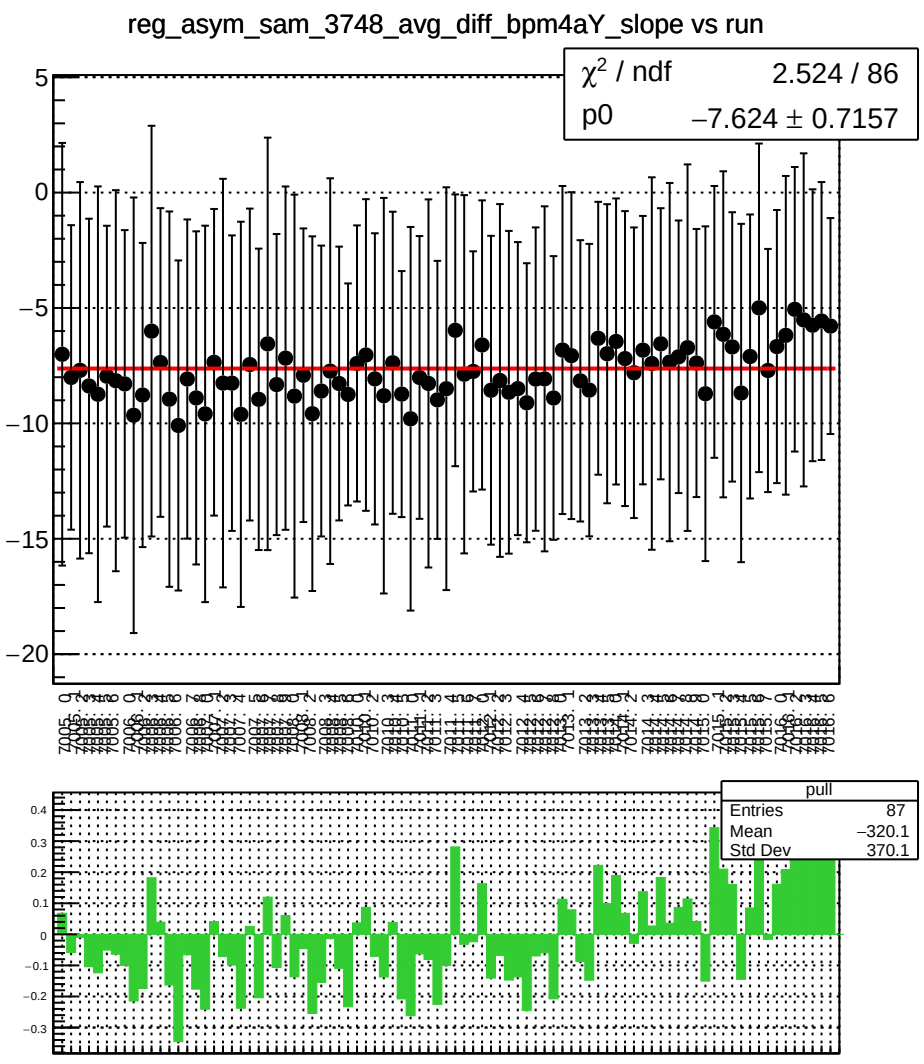

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.59 / 86
p0 −43.97 ± 0.7802
pull
Entries 87
Mean 997.3
Std Dev 941
pull1D
Entries 87
Mean 0.005011
Std Dev 0.3649

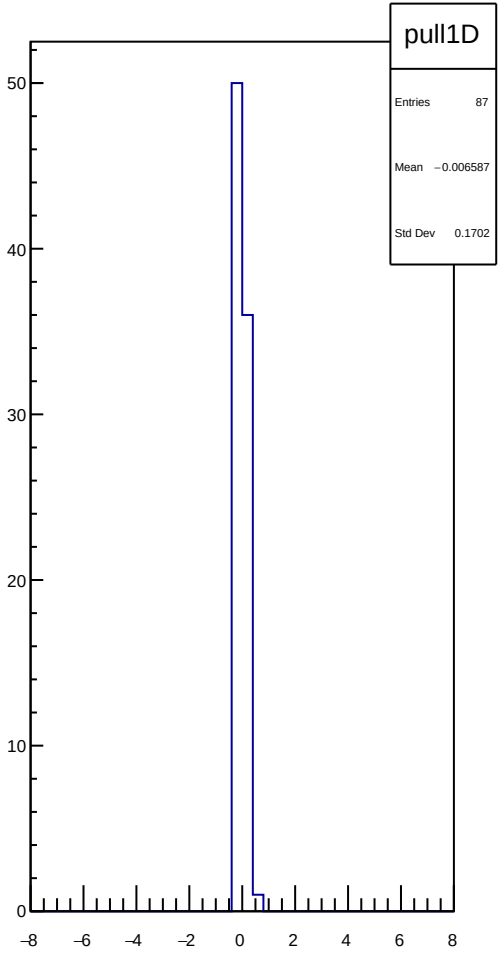

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.67 / 86
p0 92.72 ± 0.6069
105
100
95
90
85
80
pull
Entries 87
Mean −388
Std Dev 436.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01311
Std Dev 0.35
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

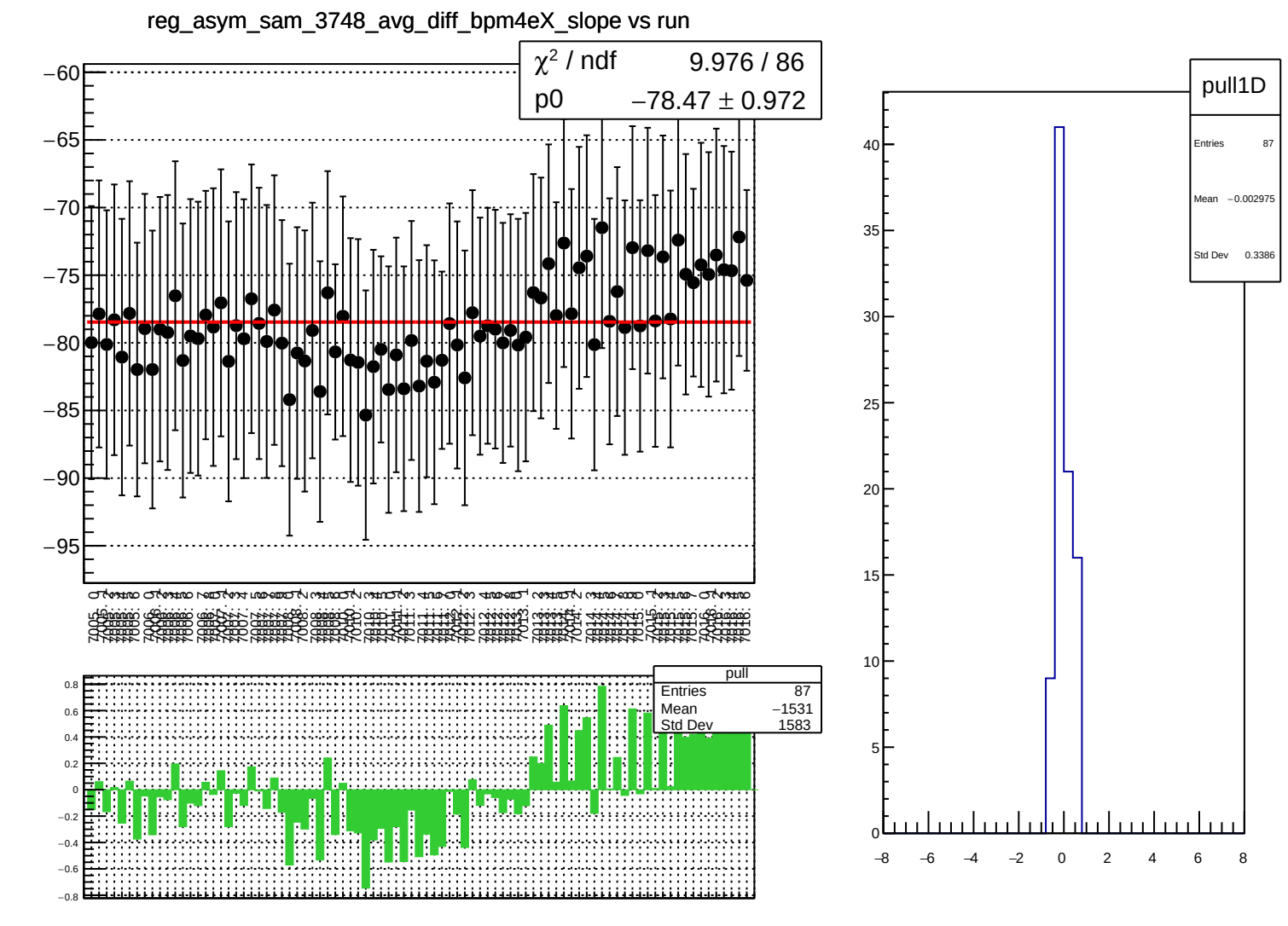

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 46.99 / 86
p0 0.01301± 0.02801
pull
Entries 87
Mean 1666
Std Dev 1620
pull1D
Entries 87
Mean −0.01017
Std Dev 0.7348

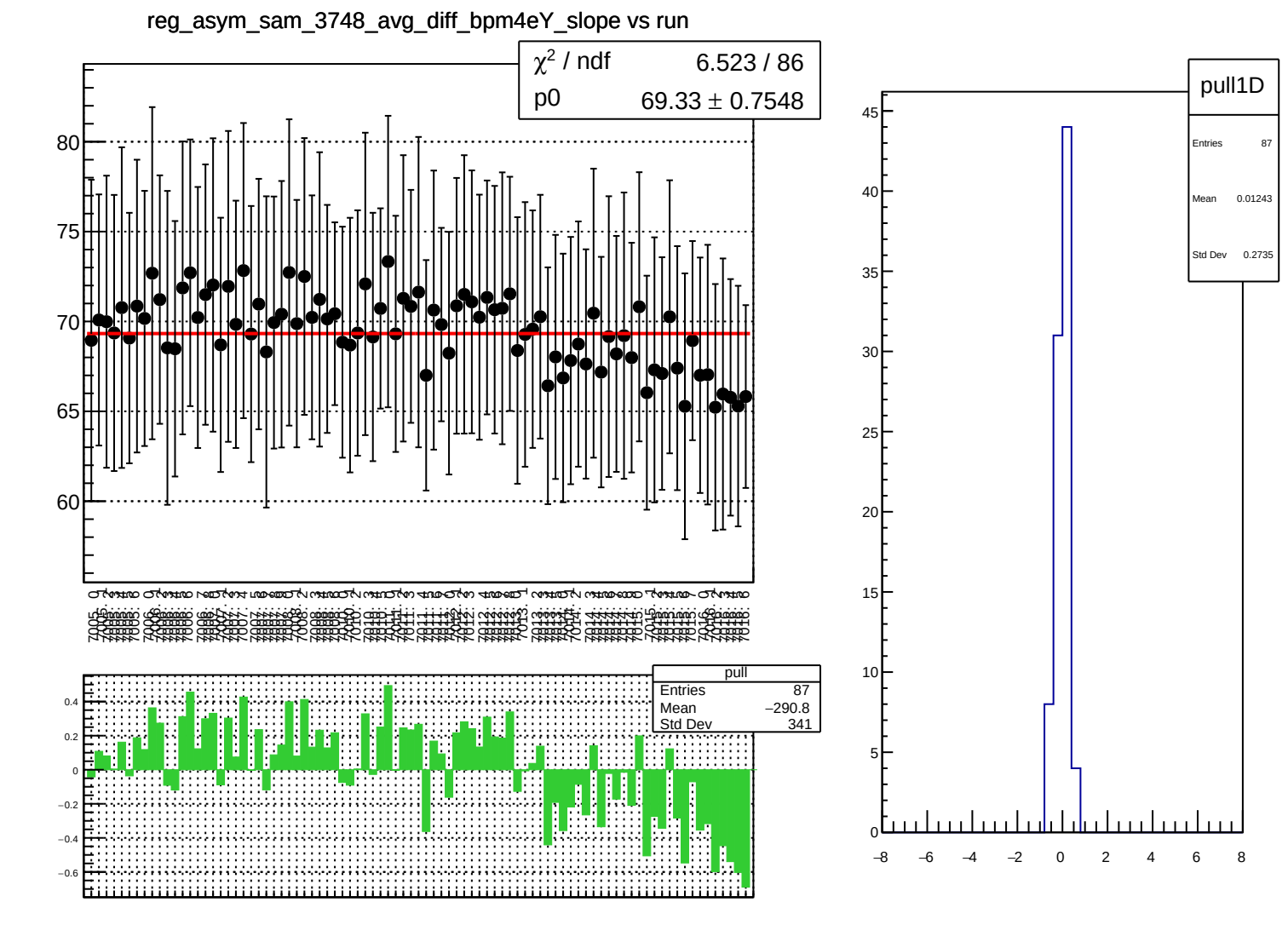

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 6.907 / 86
p0 −12.57 ± 1.048
pull
Entries 87
Mean −7995
Std Dev 8049

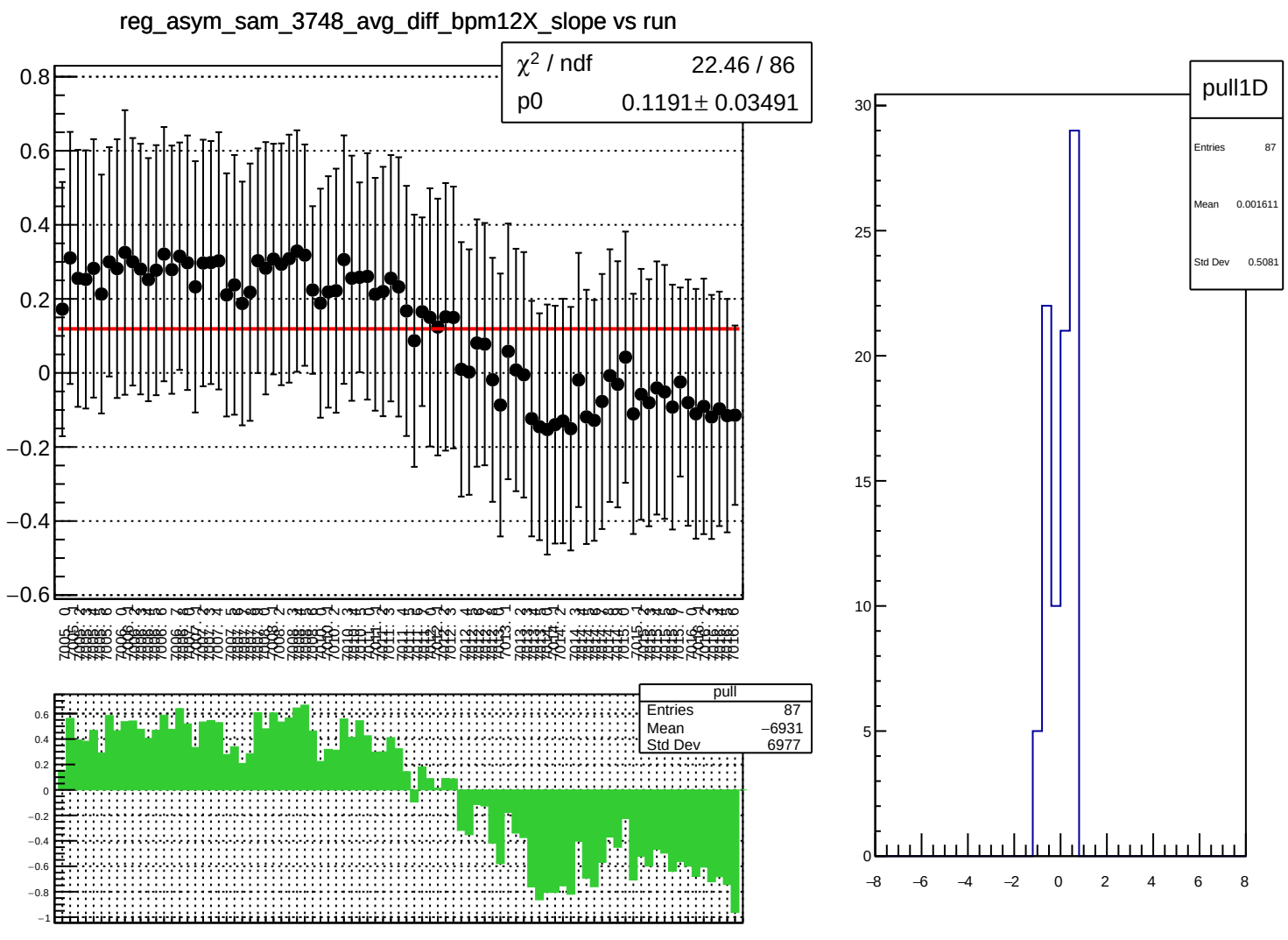

pull1D
Entries 87
Mean 0.0004506
Std Dev 0.2818

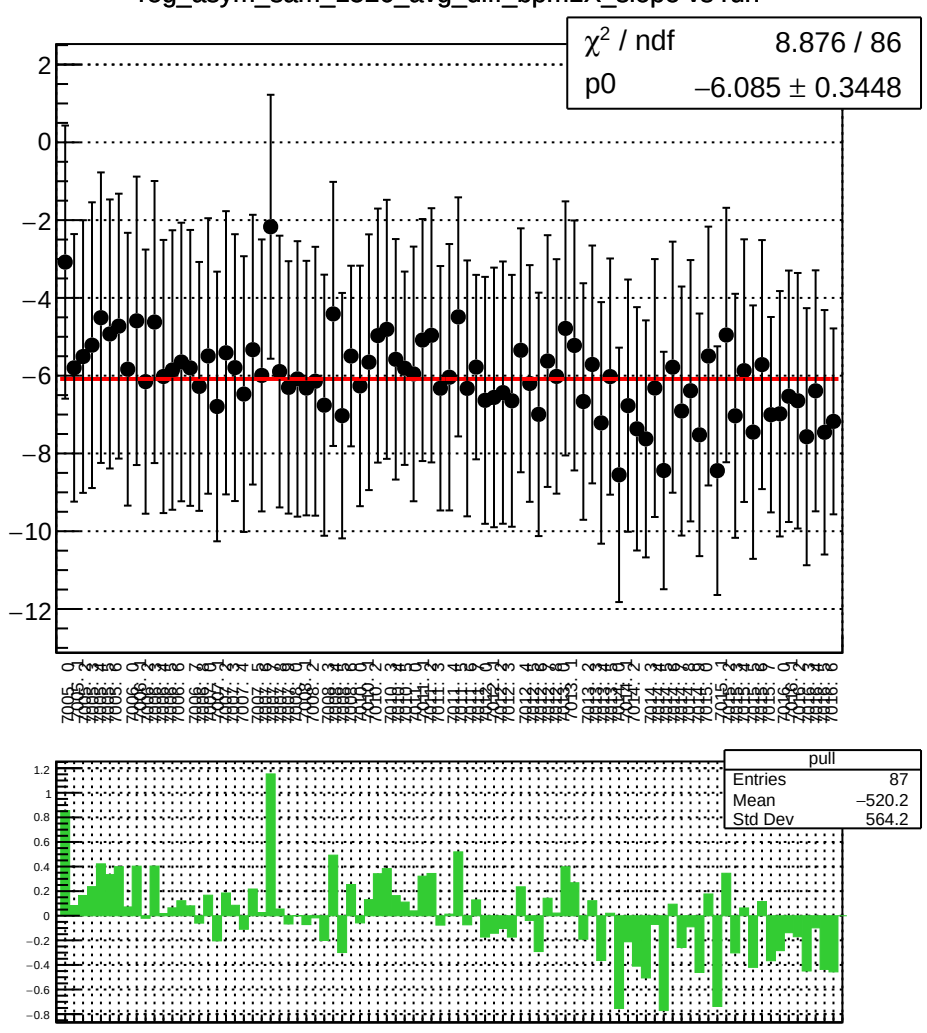

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.524 / 86
p0 −7.624 ± 0.7157
pull
Entries 87
Mean −320.1
Std Dev 370.1

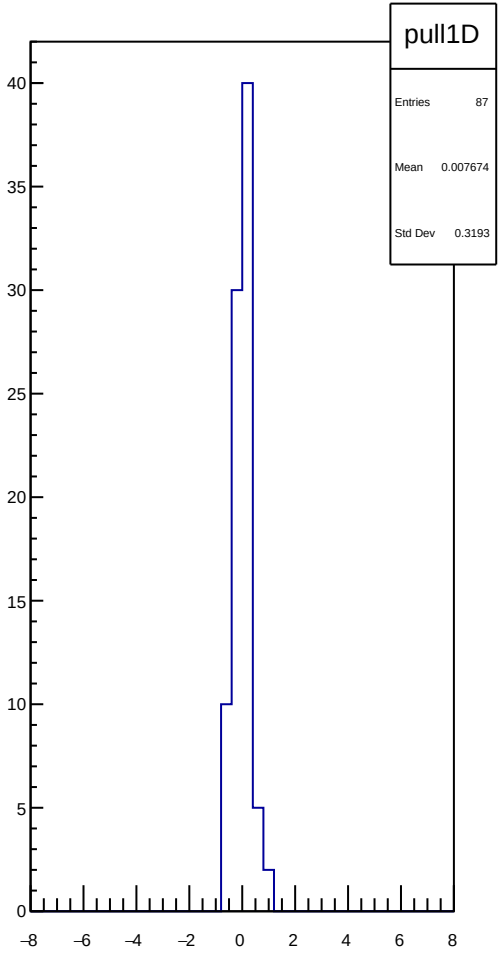

pull1D
Entries 87
Mean −0.006587
Std Dev 0.1702

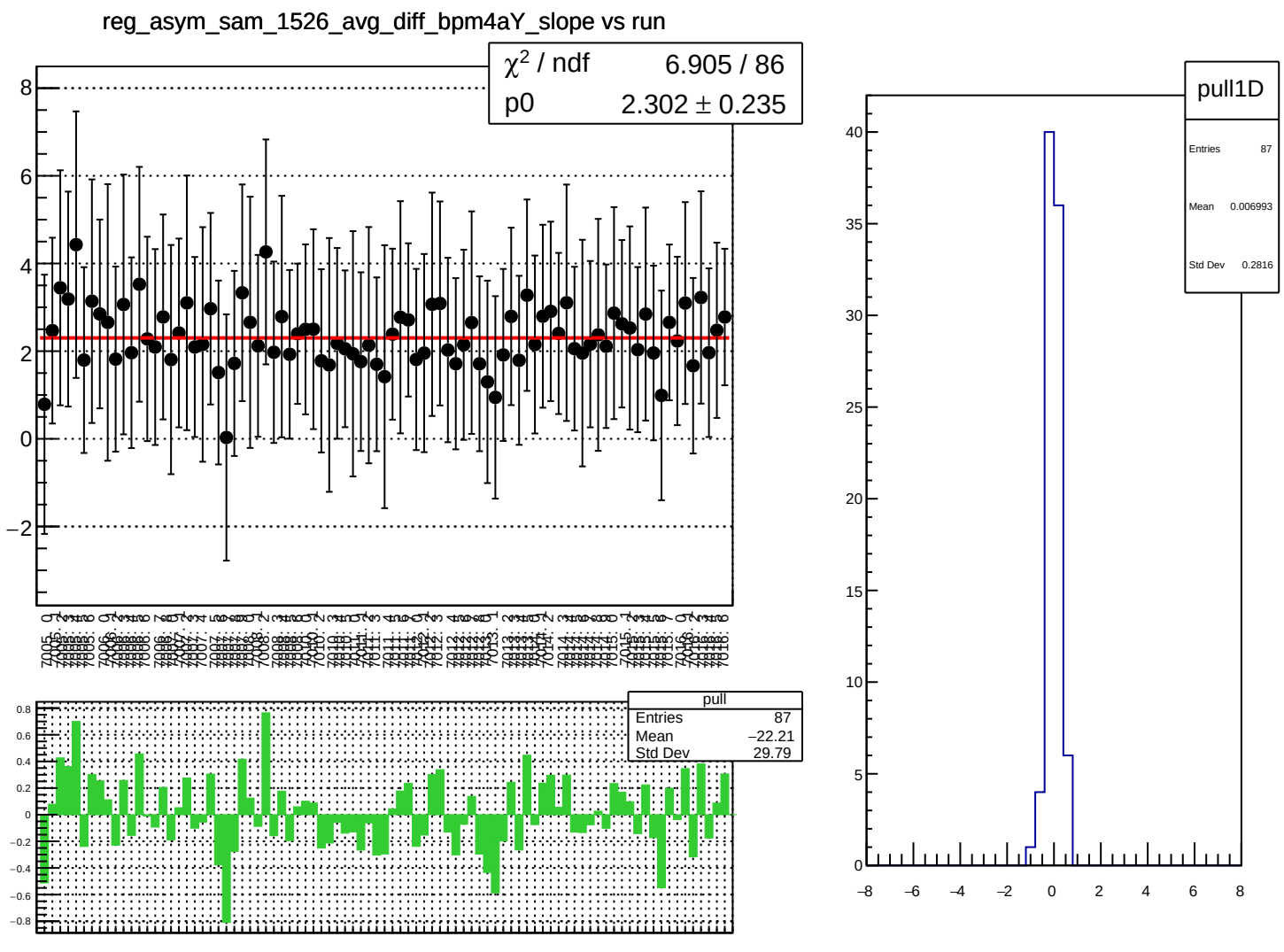

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.976 / 86
p0 −78.47 ± 0.972
pull
Entries 87
Mean −1531
Std Dev 1583
pull1D
Entries 87
Mean −0.002975
Std Dev 0.3386

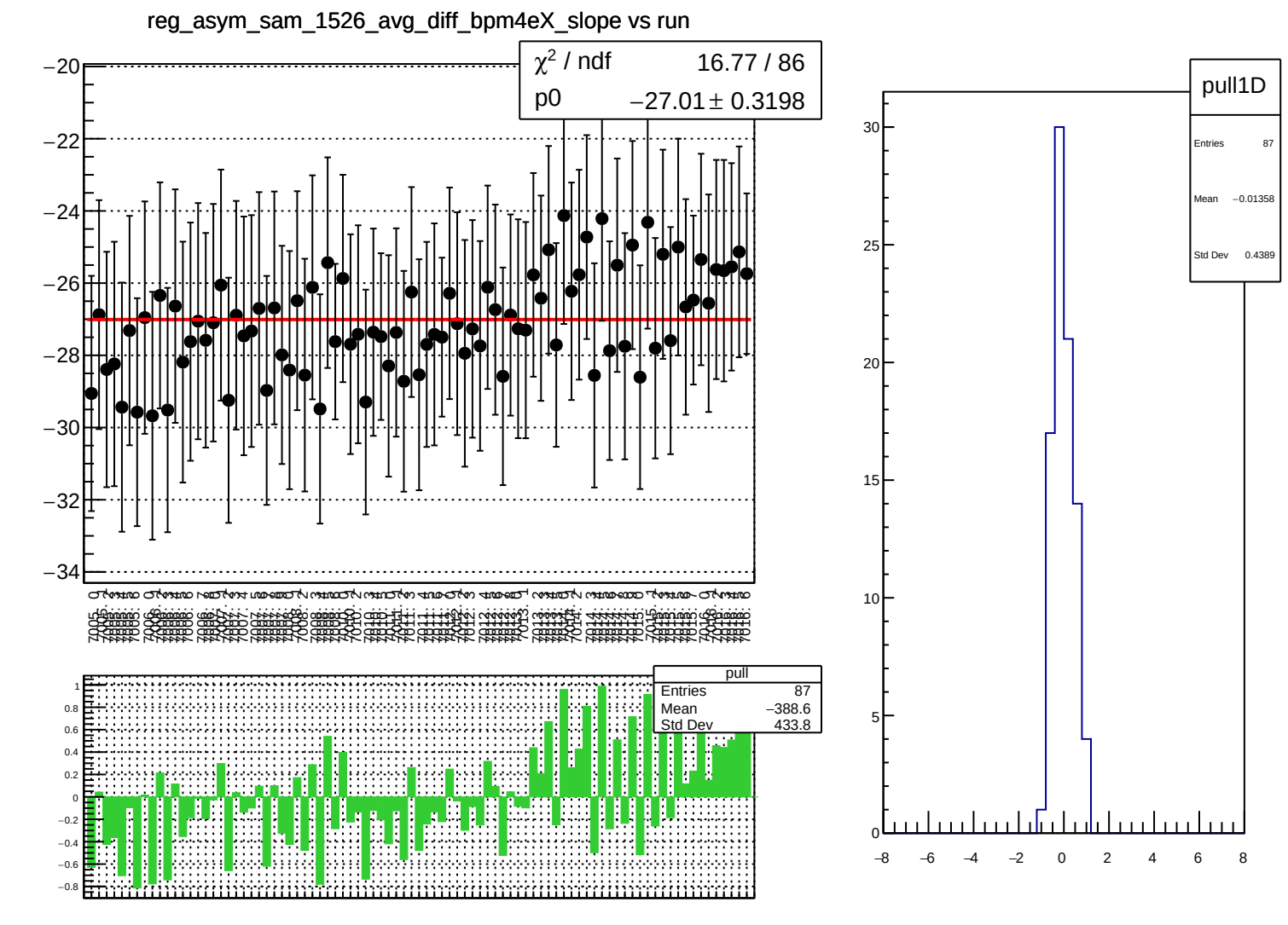

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.523 / 86
p0 69.33 ± 0.7548
80
75
70
65
60
pull
Entries 87
Mean −290.8
Std Dev 341
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.01243
Std Dev 0.2735
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

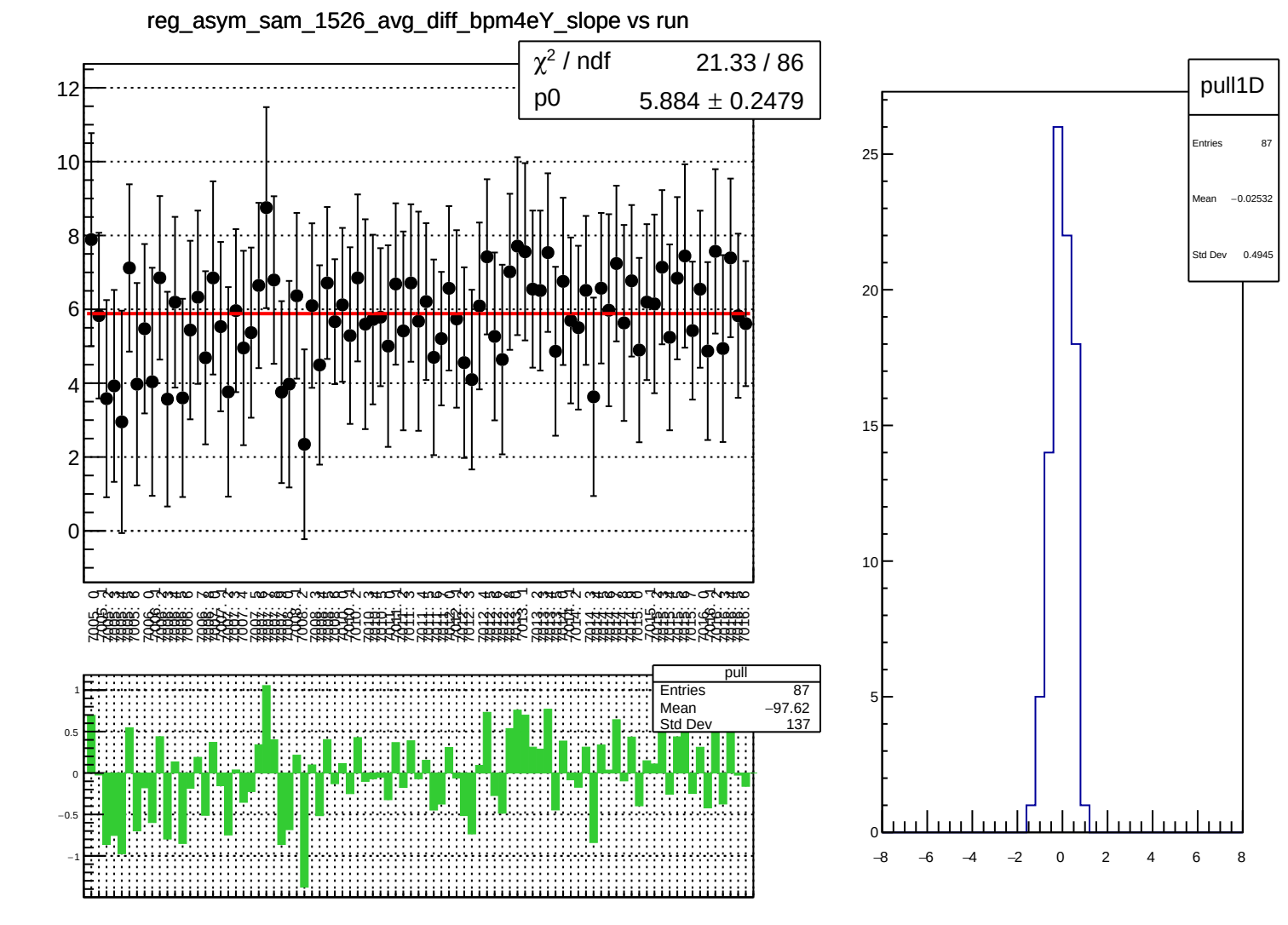

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 22.46 / 86
p0 0.1191± 0.03491
pull
Entries 87
Mean −6931
Std Dev 6977
pull1D
Entries 87
Mean 0.001611
Std Dev 0.5081

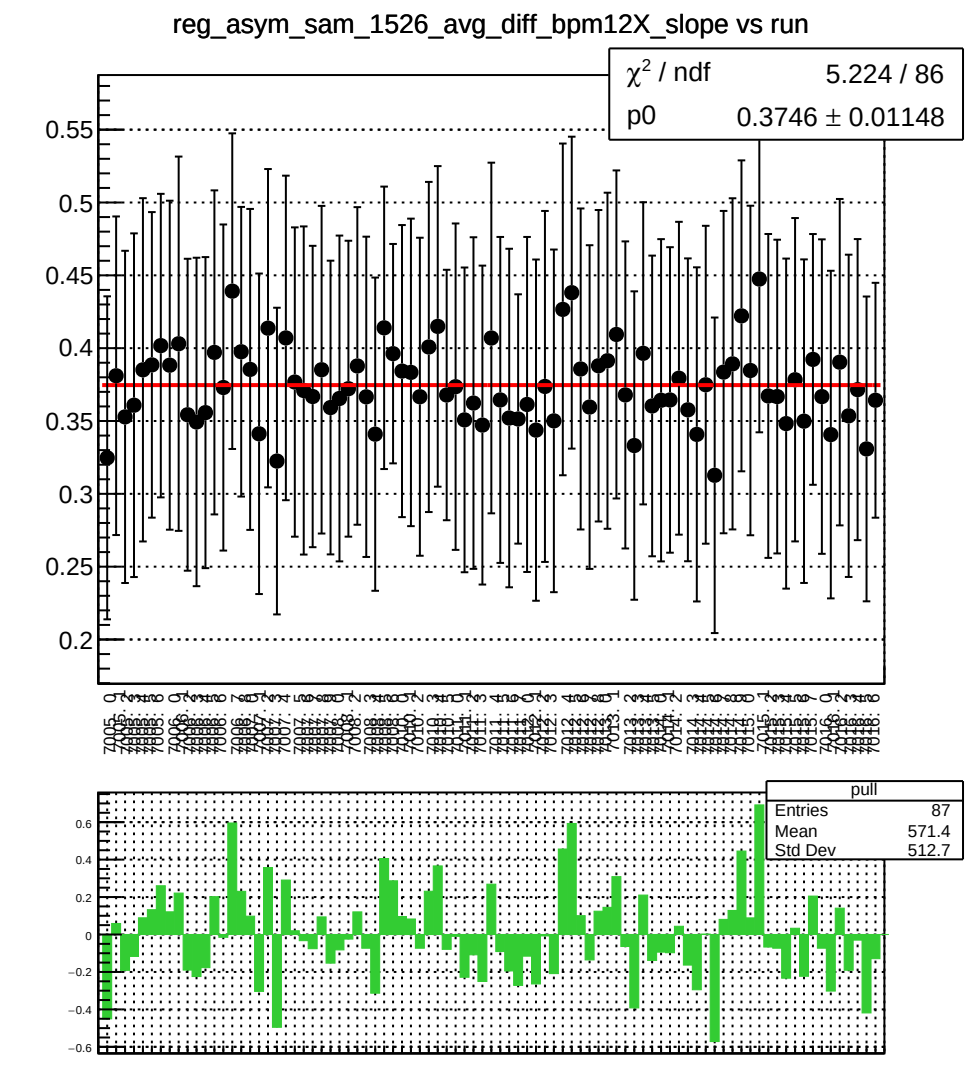

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 8.876 / 86
p0 −6.085 ± 0.3448
pull
Entries 87
Mean −520.2
Std Dev 564.2

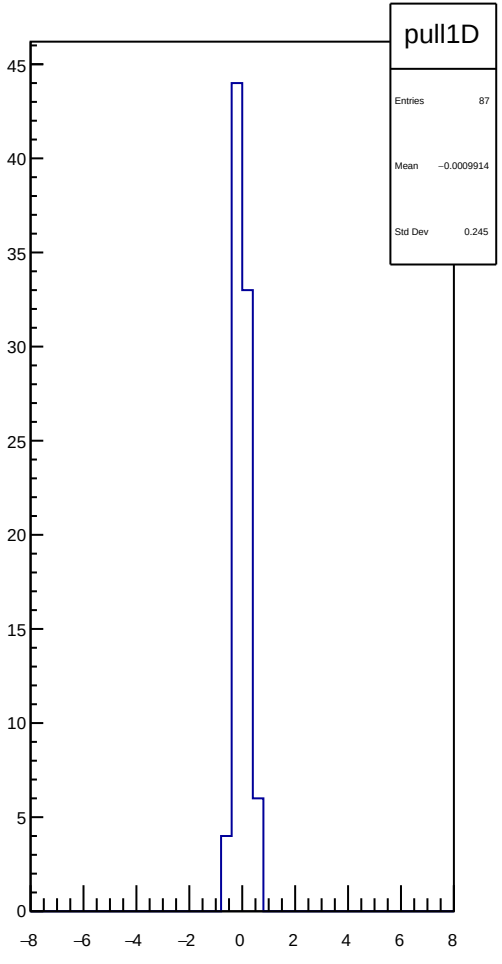

pull1D
Entries 87
Mean 0.007674
Std Dev 0.3193

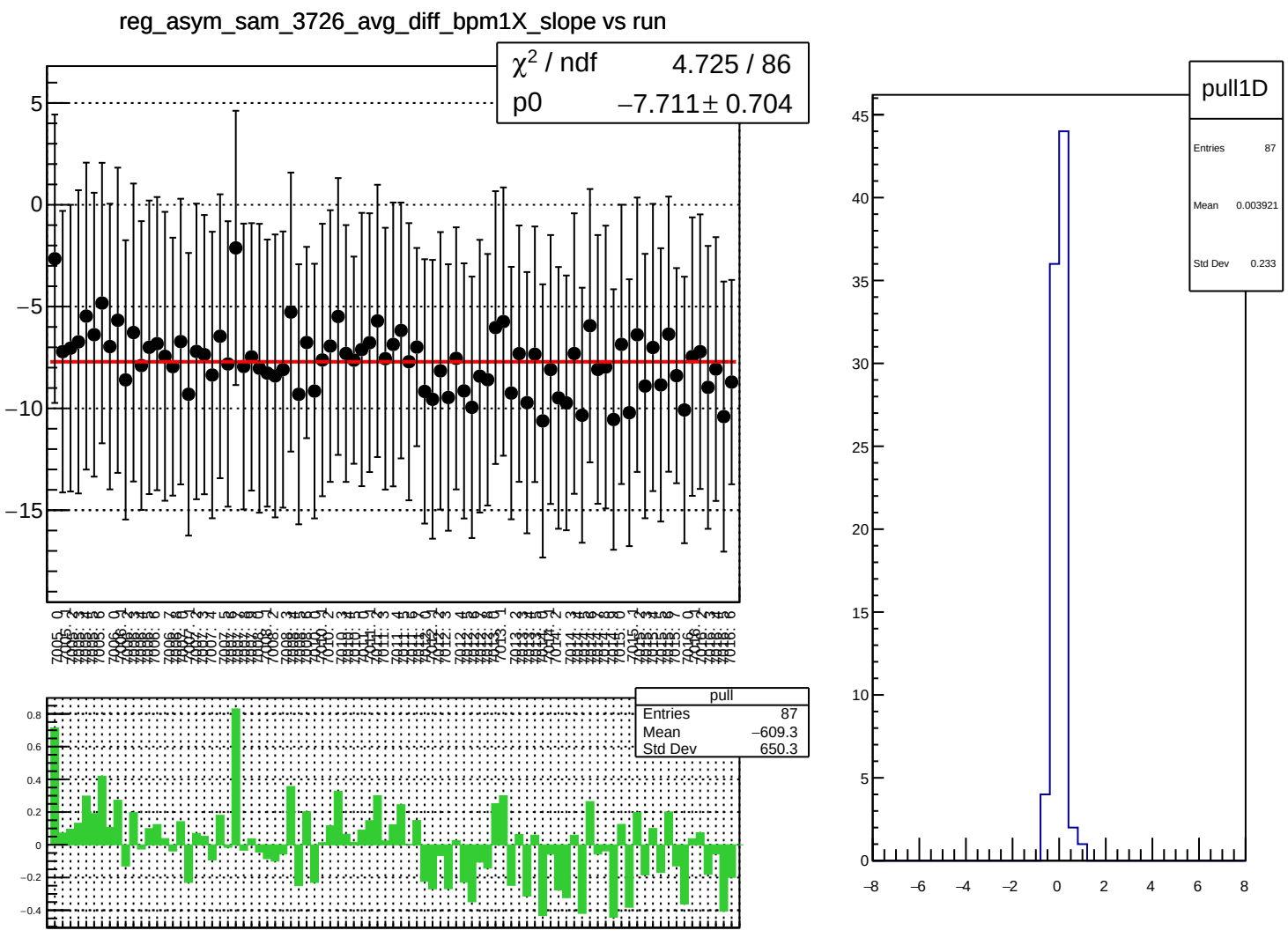

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.905 / 86
p0 2.302 ± 0.235
pull
Entries 87
Mean −22.21
Std Dev 29.79
pull1D
Entries 87
Mean 0.006993
Std Dev 0.2816

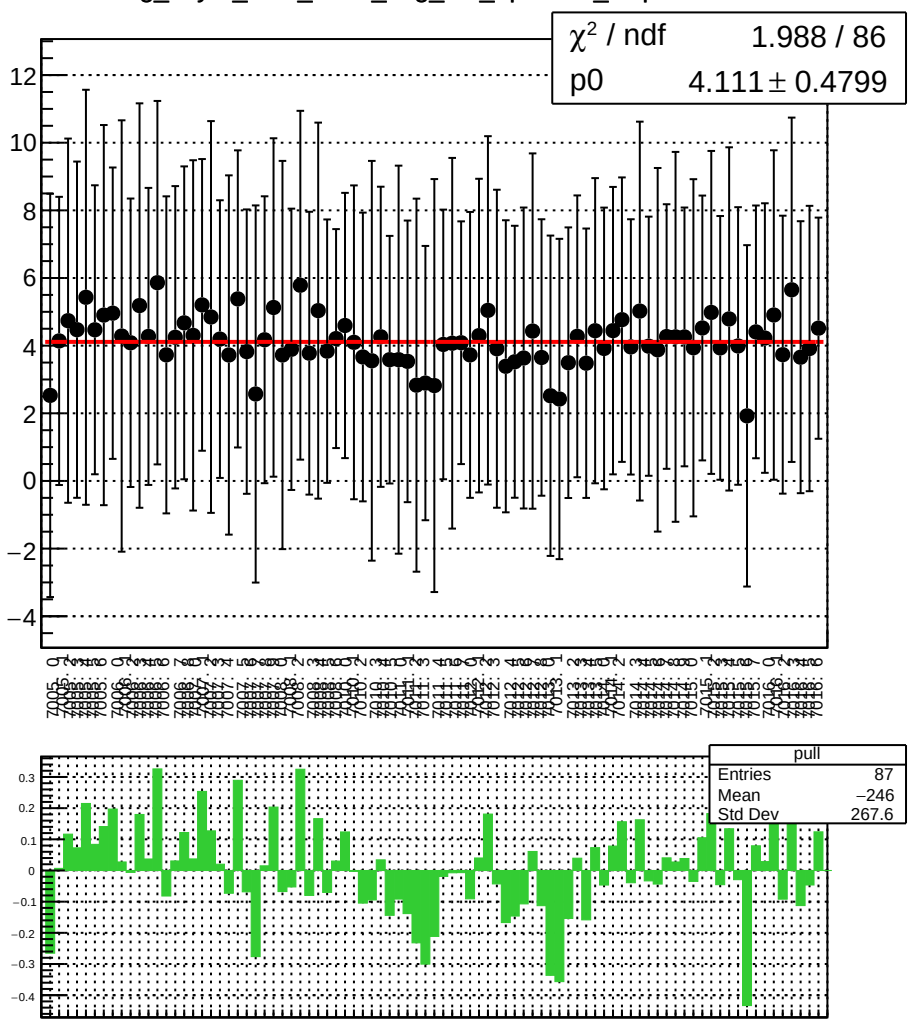

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.77 / 86
p0 −27.01 ± 0.3198
pull
Entries 87
Mean −388.6
Std Dev 433.8
pull1D
Entries 87
Mean −0.01358
Std Dev 0.4389

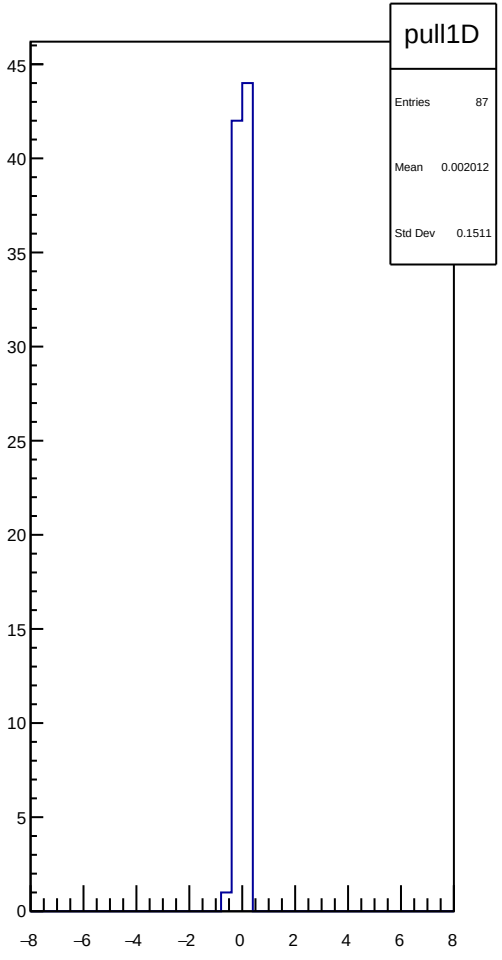

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 86
p0 5.884 ± 0.2479
pull
Entries 87
Mean −97.62
Std Dev 137
pull1D
Entries 87
Mean −0.02532
Std Dev 0.4945

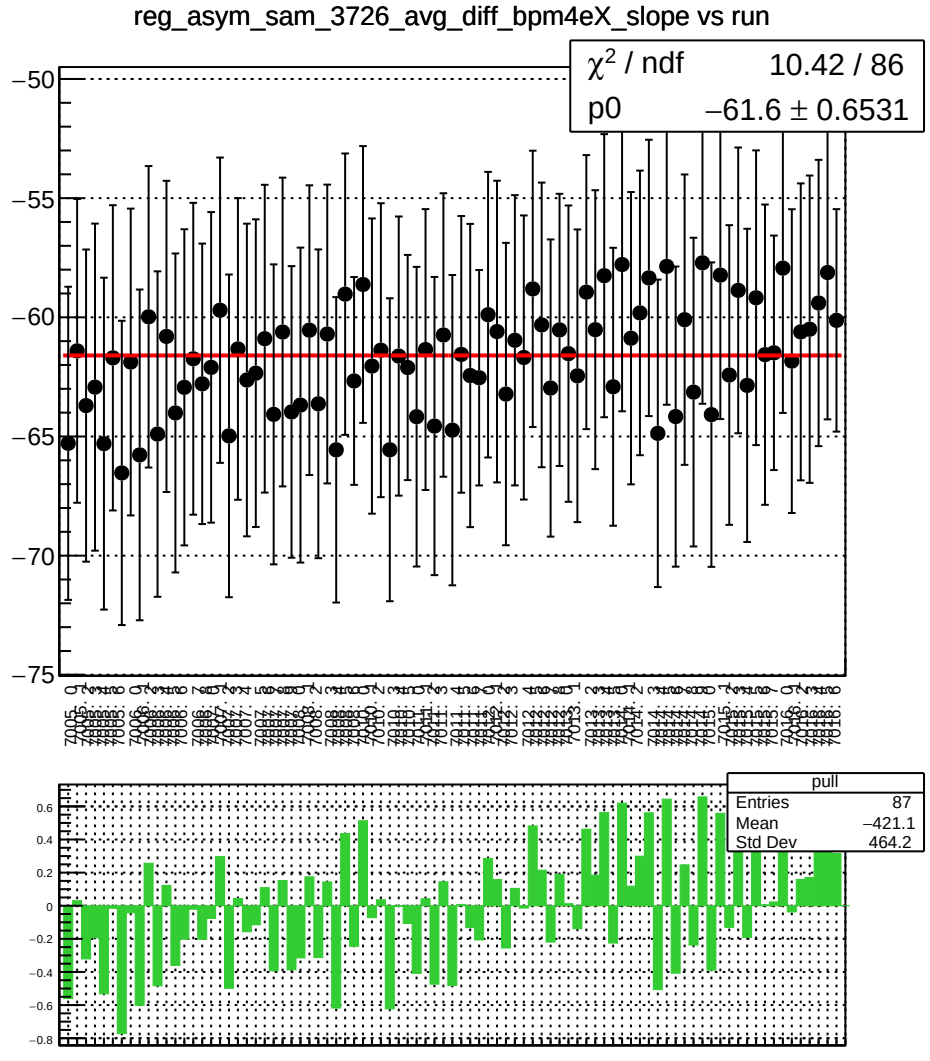

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 5.224 / 86
p0 0.3746 ± 0.01148
pull
Entries 87
Mean 571.4
Std Dev 512.7

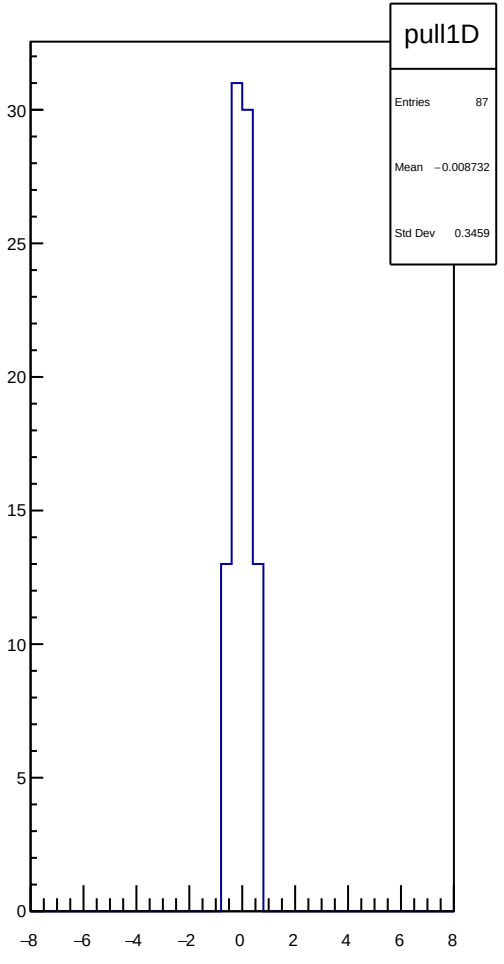

pull1D
Entries 87
Mean −0.0009914
Std Dev 0.245

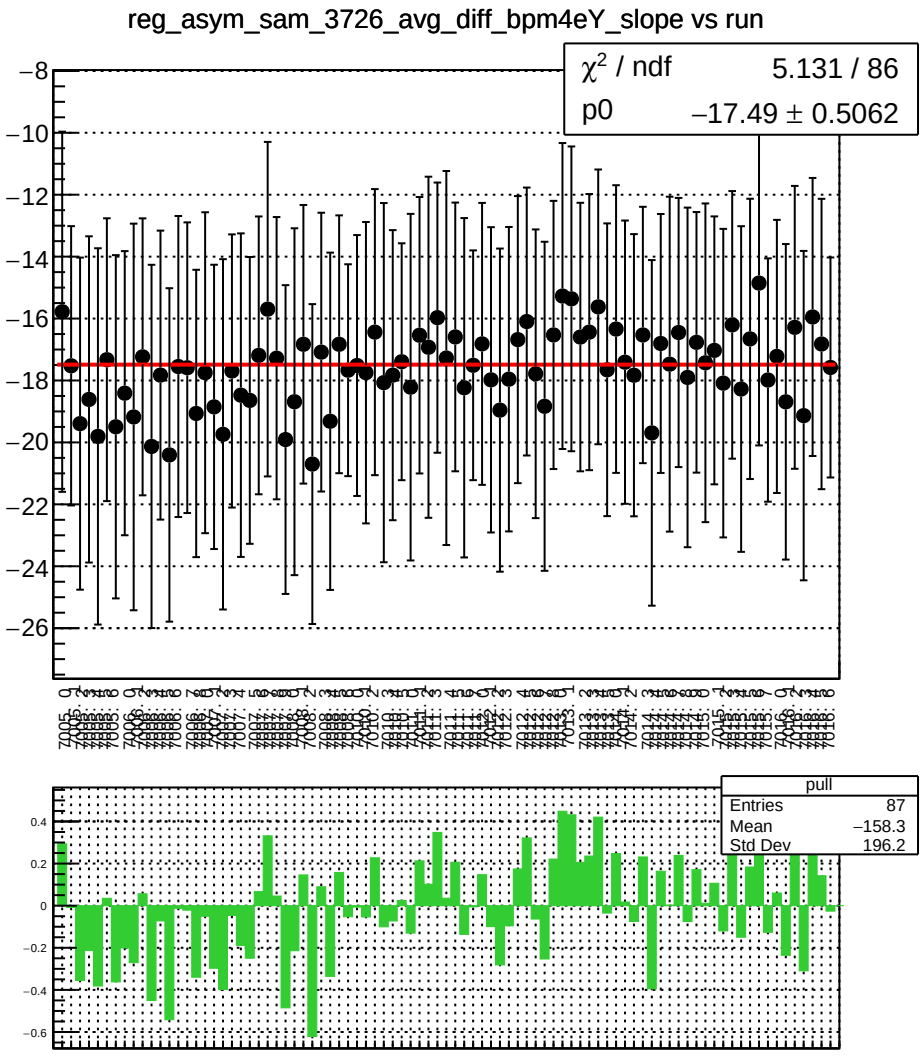

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.725 / 86
p0 −7.711 ± 0.704
pull
Entries 87
Mean −609.3
Std Dev 650.3
pull1D
Entries 87
Mean 0.003921
Std Dev 0.233

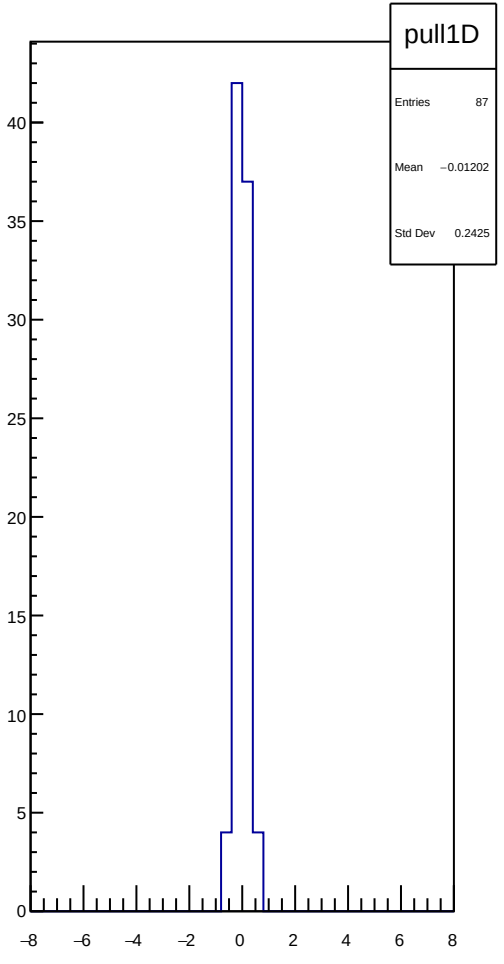

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.988 / 86
p0 4.111 ± 0.4799
pull
Entries 87
Mean −246
Std Dev 267.6

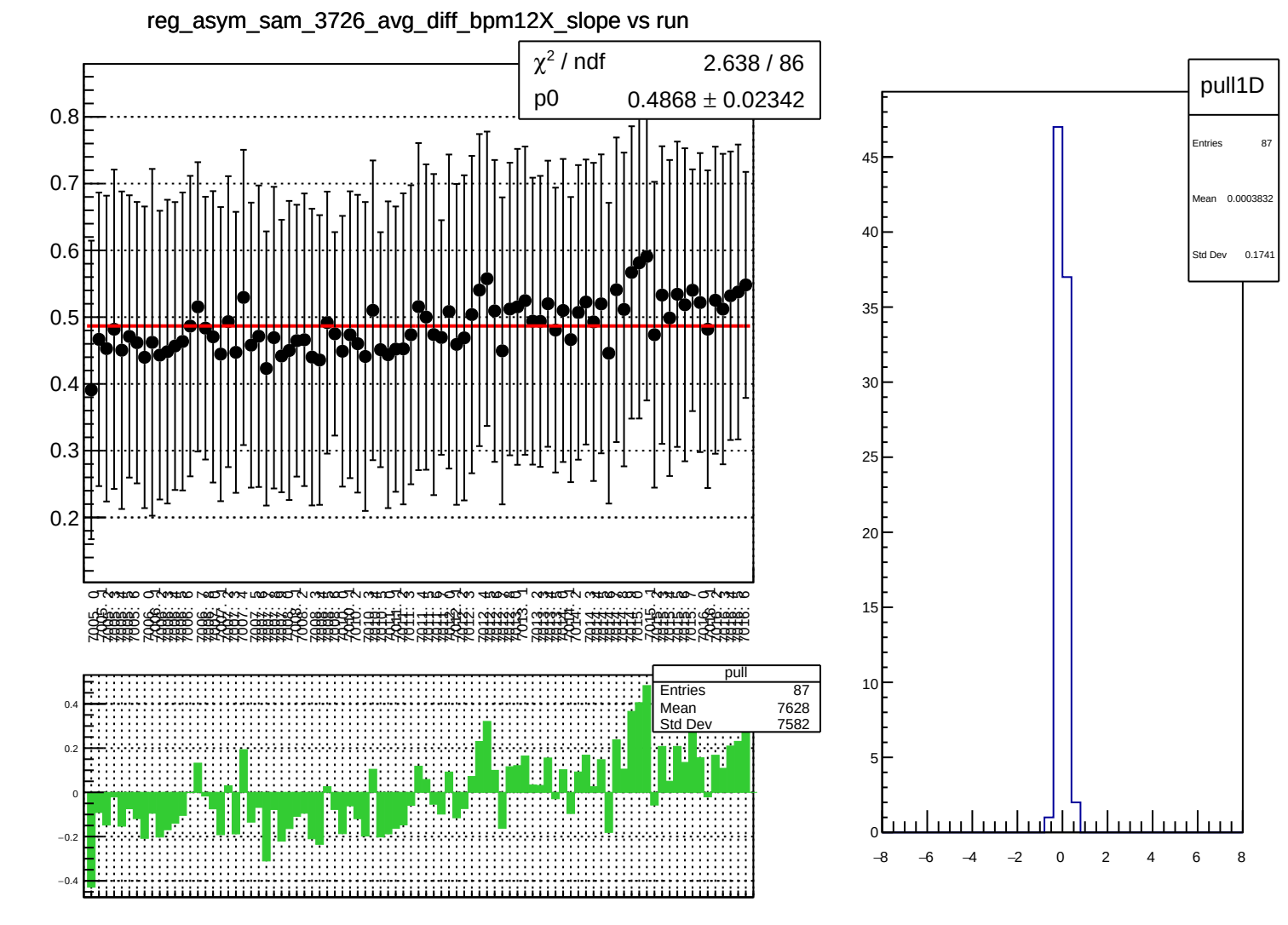

pull1D
Entries 87
Mean 0.002012
Std Dev 0.1511

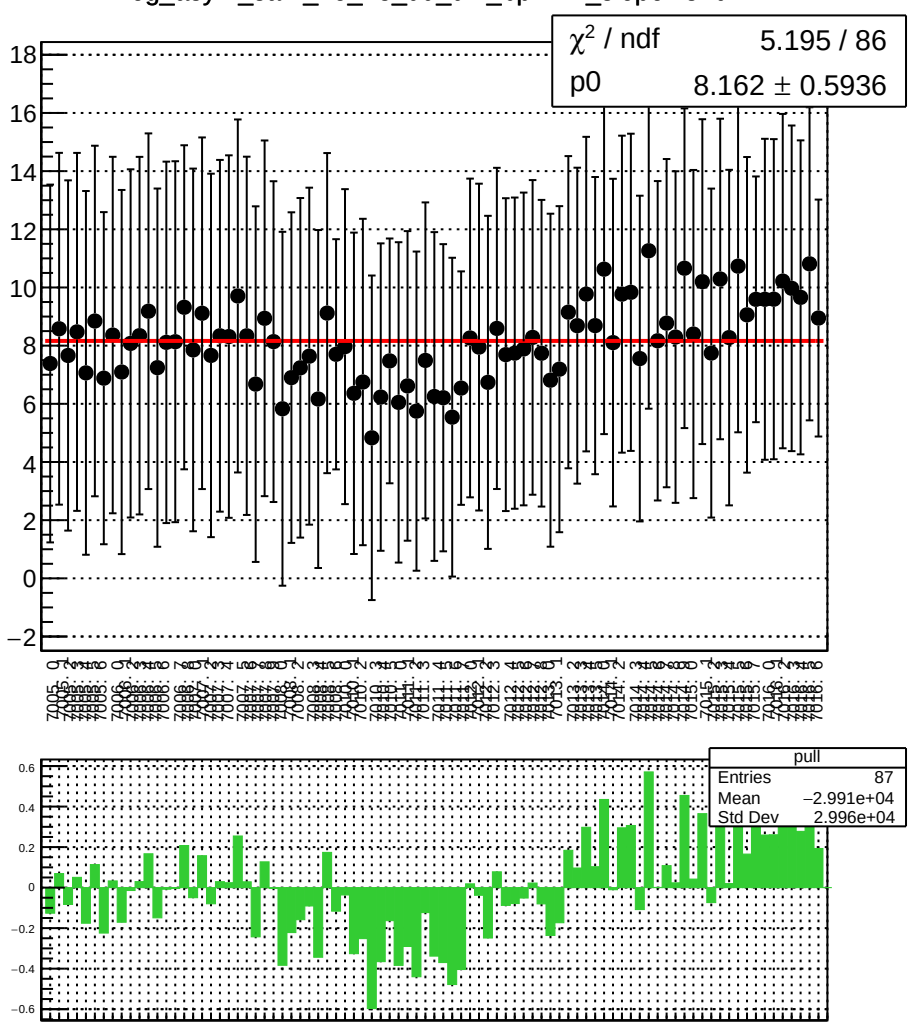

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.42 / 86
p0 −61.6 ± 0.6531
pull
Entries 87
Mean −421.1
Std Dev 464.2

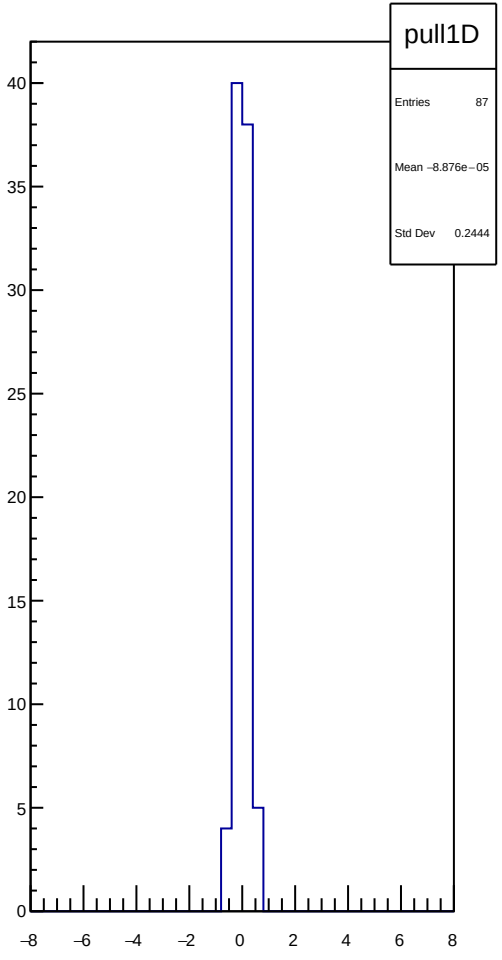

pull1D
Entries 87
Mean −0.008732
Std Dev 0.3459

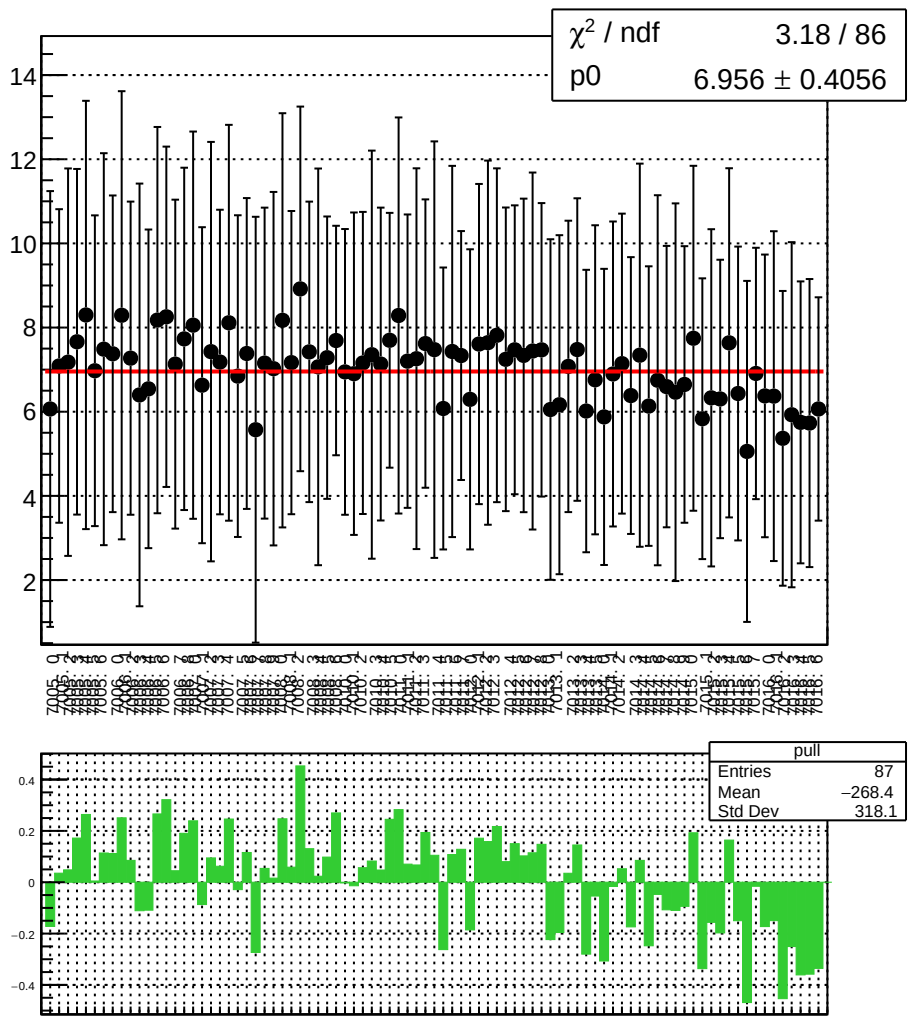

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.131 / 86
p0 −17.49 ± 0.5062
pull
Entries 87
Mean −158.3
Std Dev 196.2

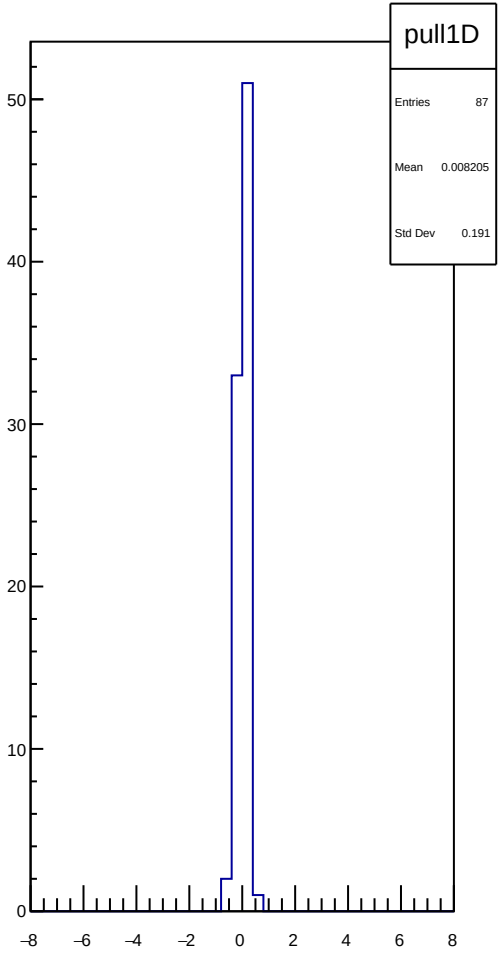

pull1D
Entries 87
Mean −0.01202
Std Dev 0.2425

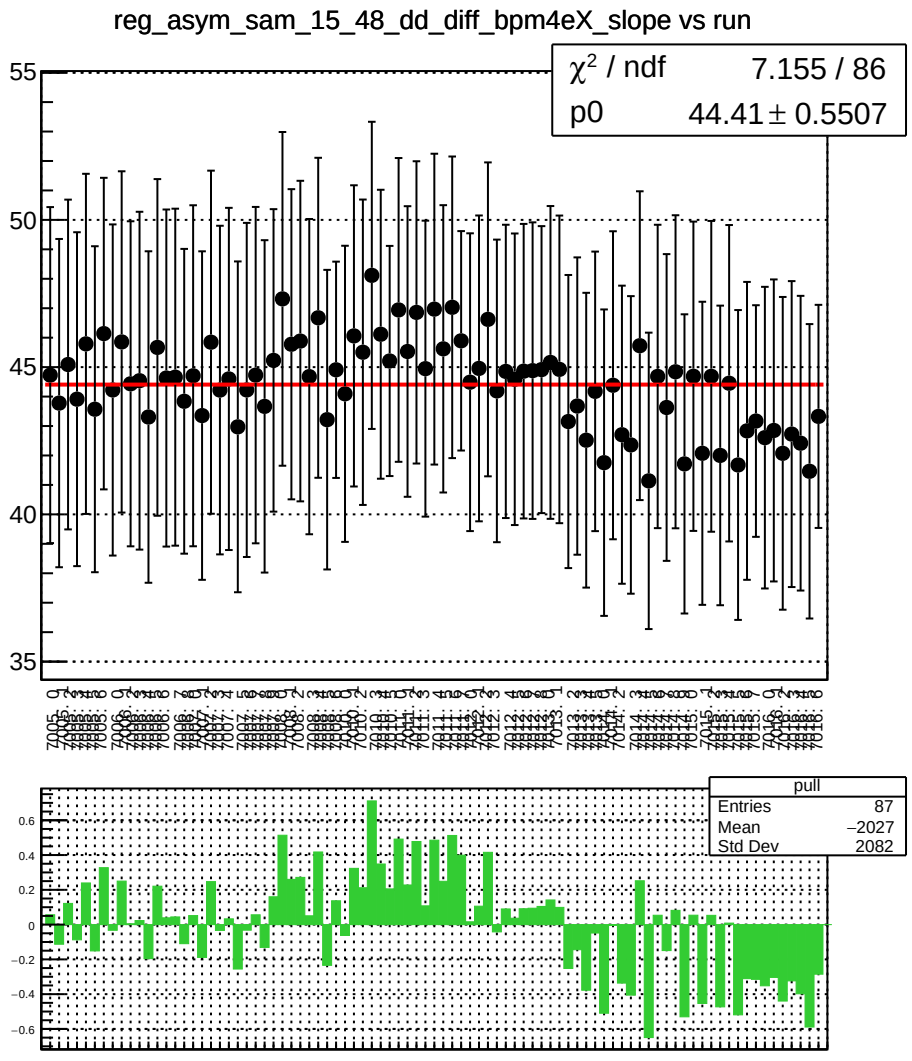

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.638 / 86
p0 0.4868 ± 0.02342
pull
Entries 87
Mean 7628
Std Dev 7582
pull1D
Entries 87
Mean 0.0003832
Std Dev 0.1741

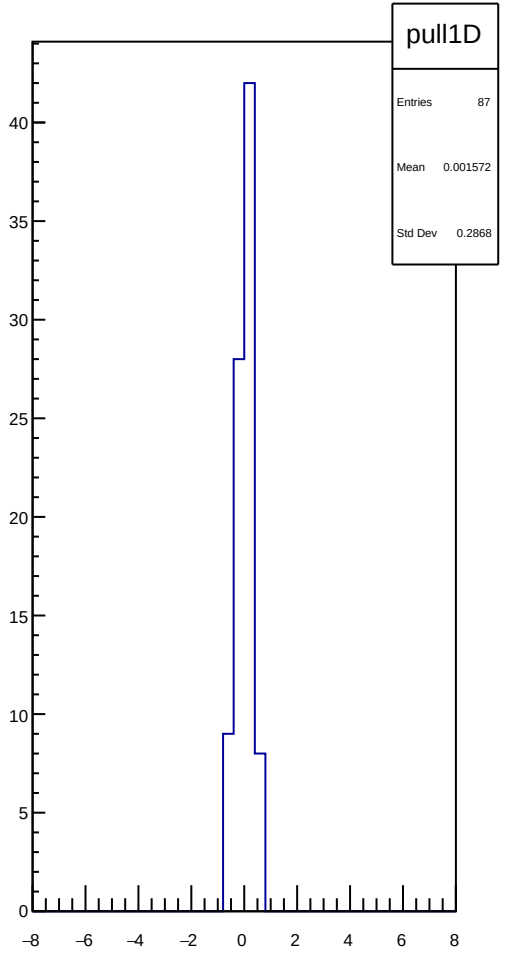

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.195 / 86
p0 8.162 ± 0.5936
pull
Entries 87
Mean −2.991e+04
Std Dev 2.996e+04

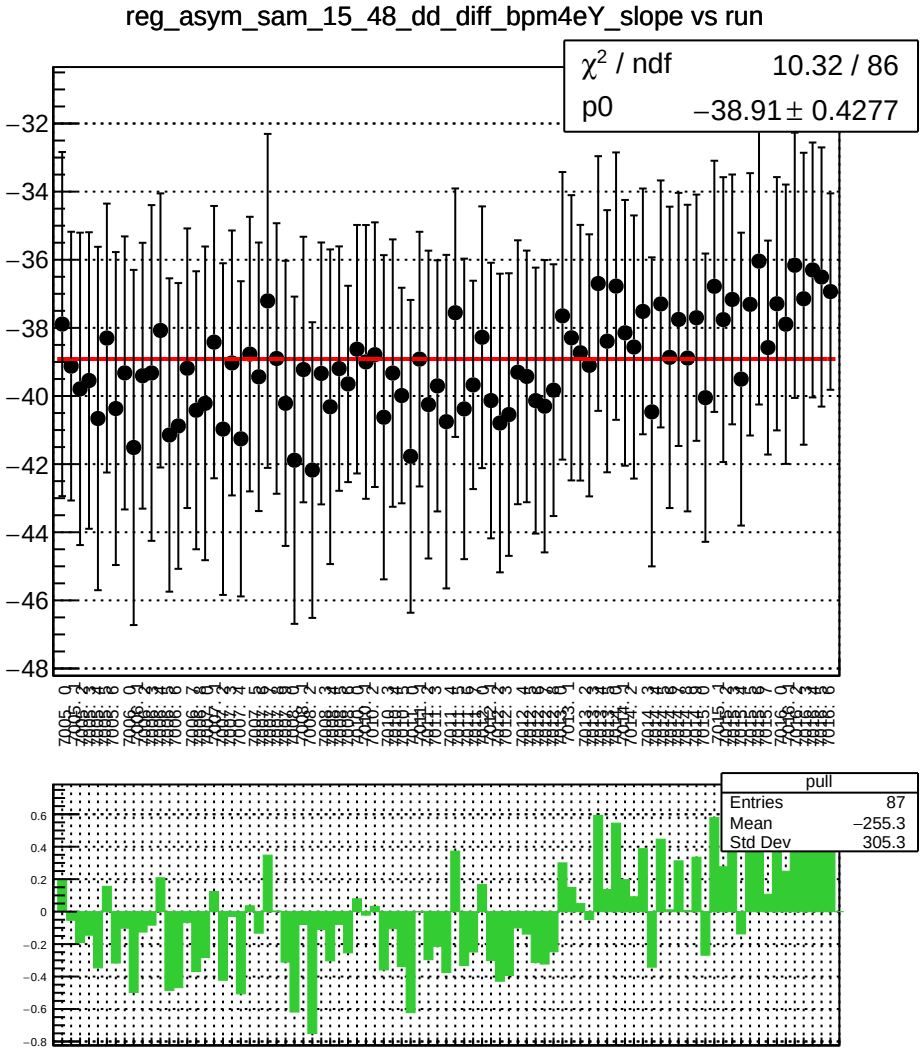

pull1D
Entries 87
Mean −8.876e−05
Std Dev 0.2444

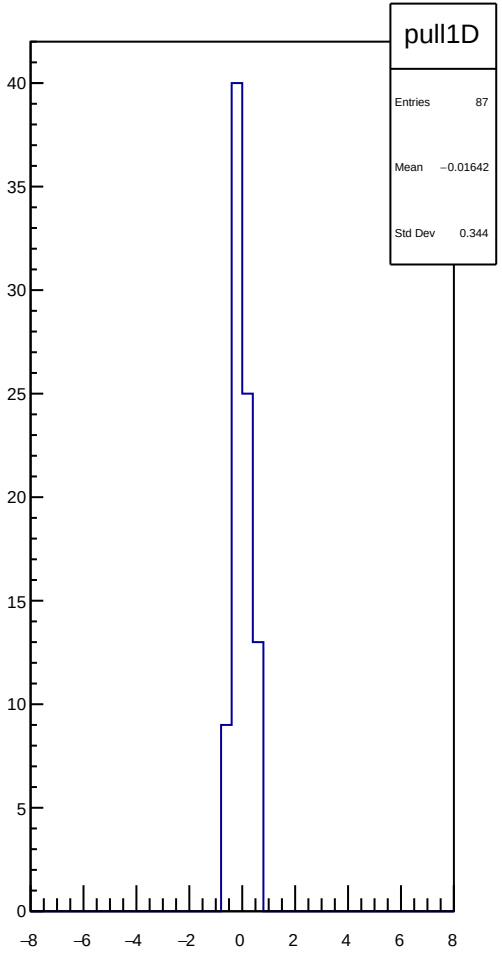

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.18 / 86
p0 6.956 ± 0.4056
pull
Entries 87
Mean −268.4
Std Dev 318.1

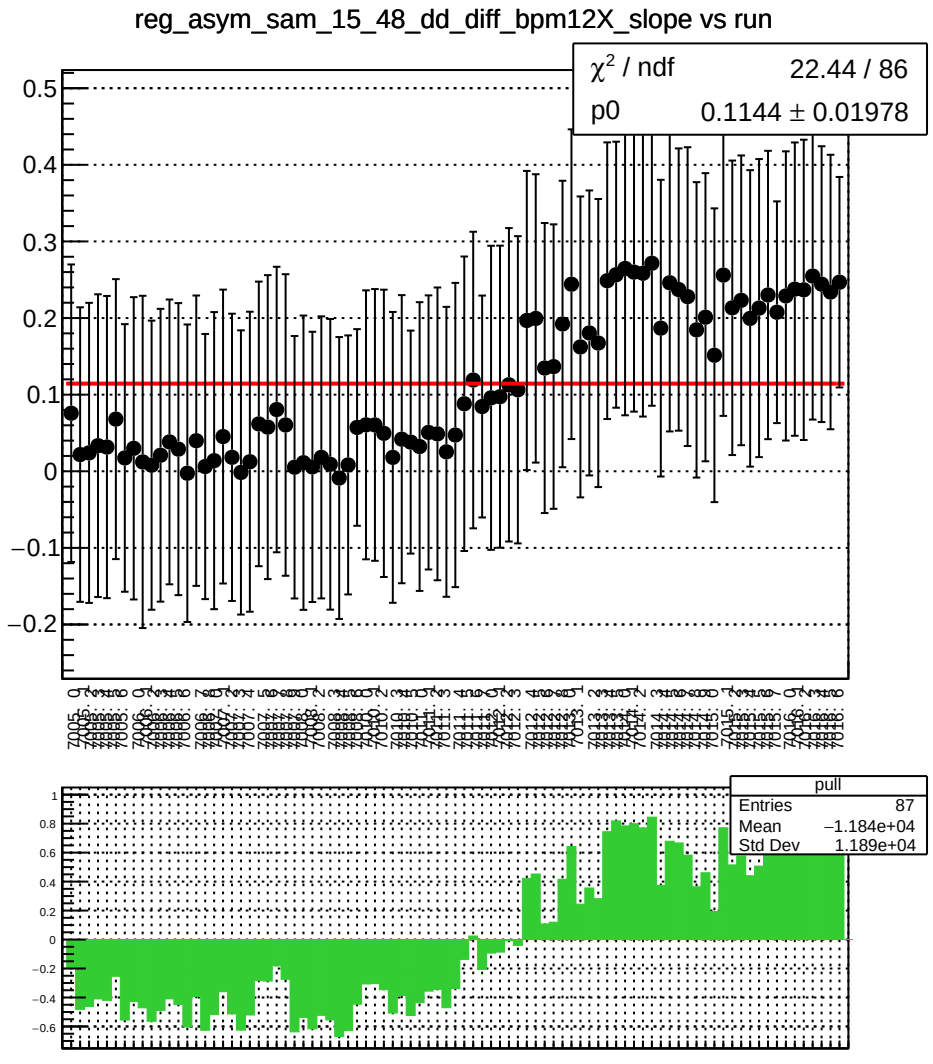

pull1D
Entries 87
Mean 0.008205
Std Dev 0.191

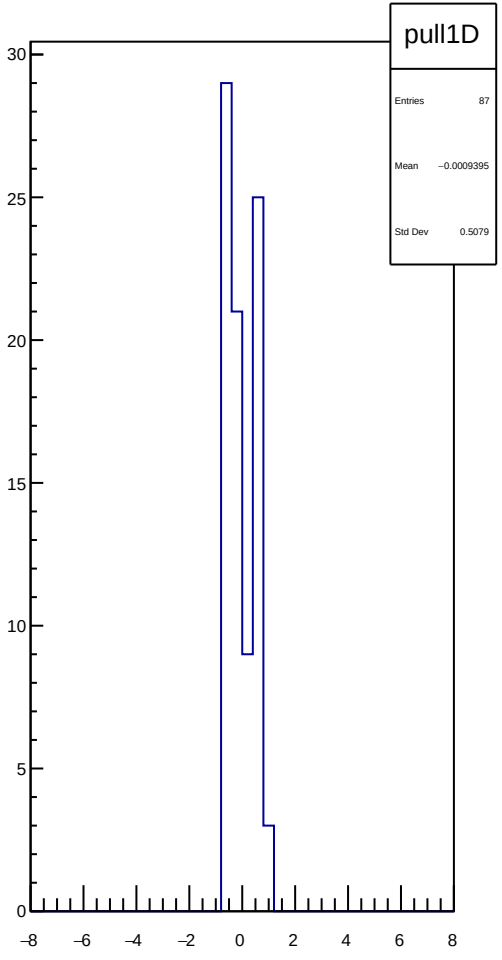

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.155 / 86
p0 44.41 ± 0.5507
55
50
45
40
35
pull
Entries 87
Mean −2027
Std Dev 2082
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

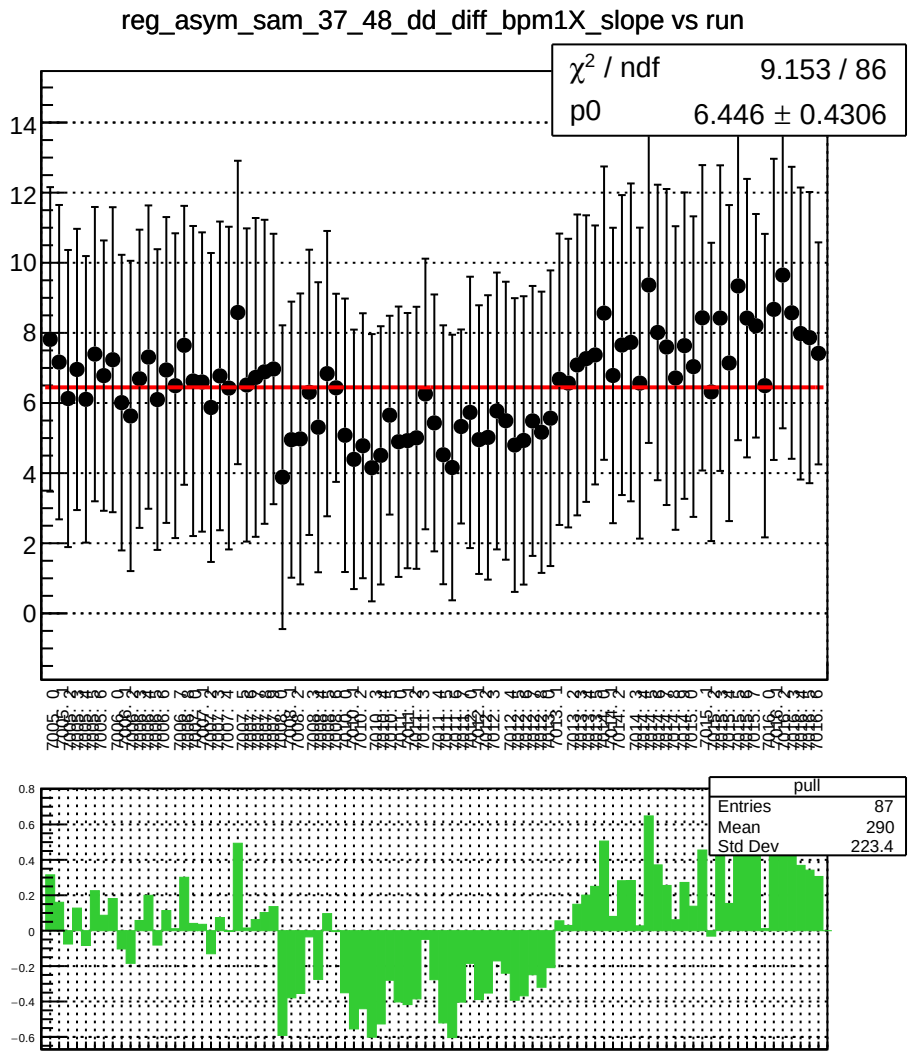

pull1D
Entries 87
Mean 0.001572
Std Dev 0.2868
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

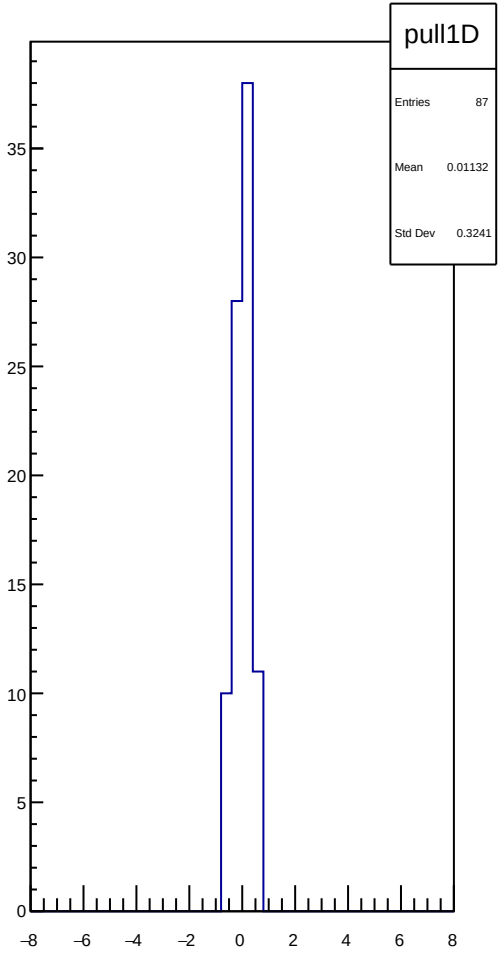

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.32 / 86
p0 −38.91 ± 0.4277
pull
Entries 87
Mean −255.3
Std Dev 305.3

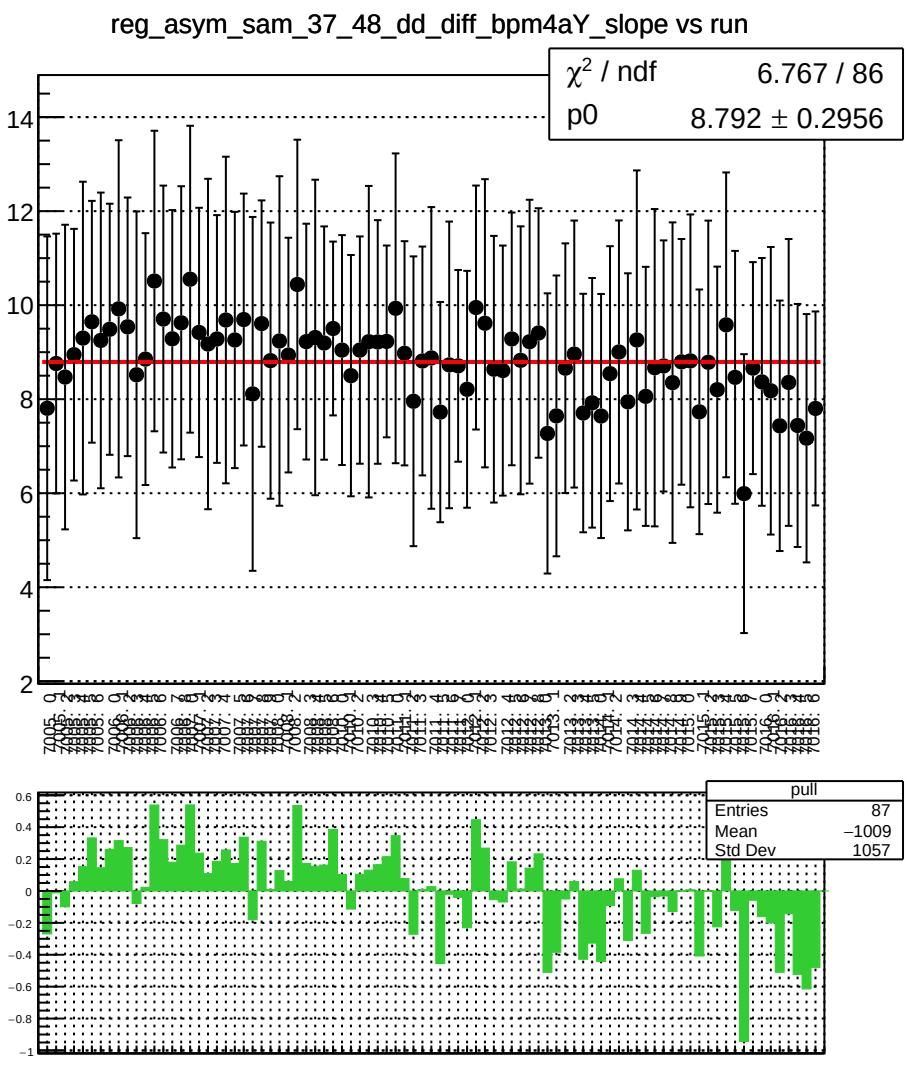

pull1D
Entries 87
Mean −0.01642
Std Dev 0.344

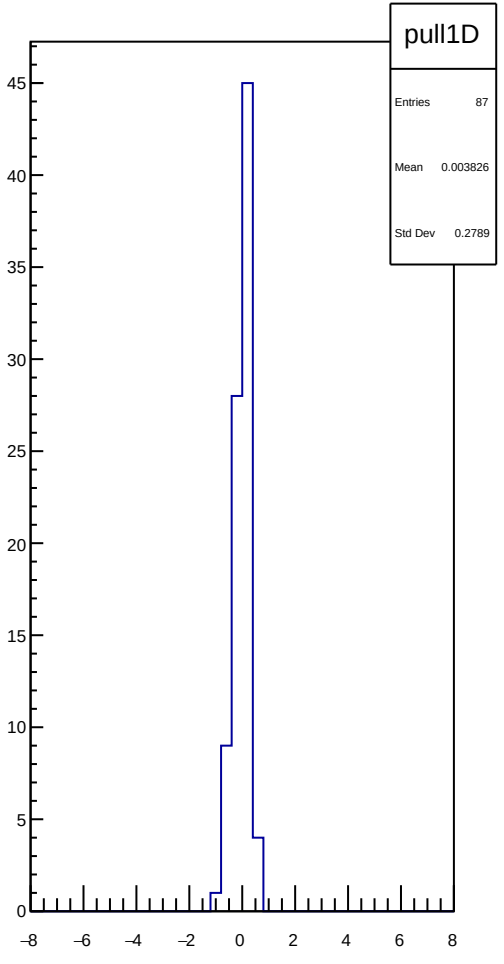

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 22.44 / 86
p0 0.1144 ± 0.01978
pull
Entries 87
Mean −1.184e+04
Std Dev 1.189e+04

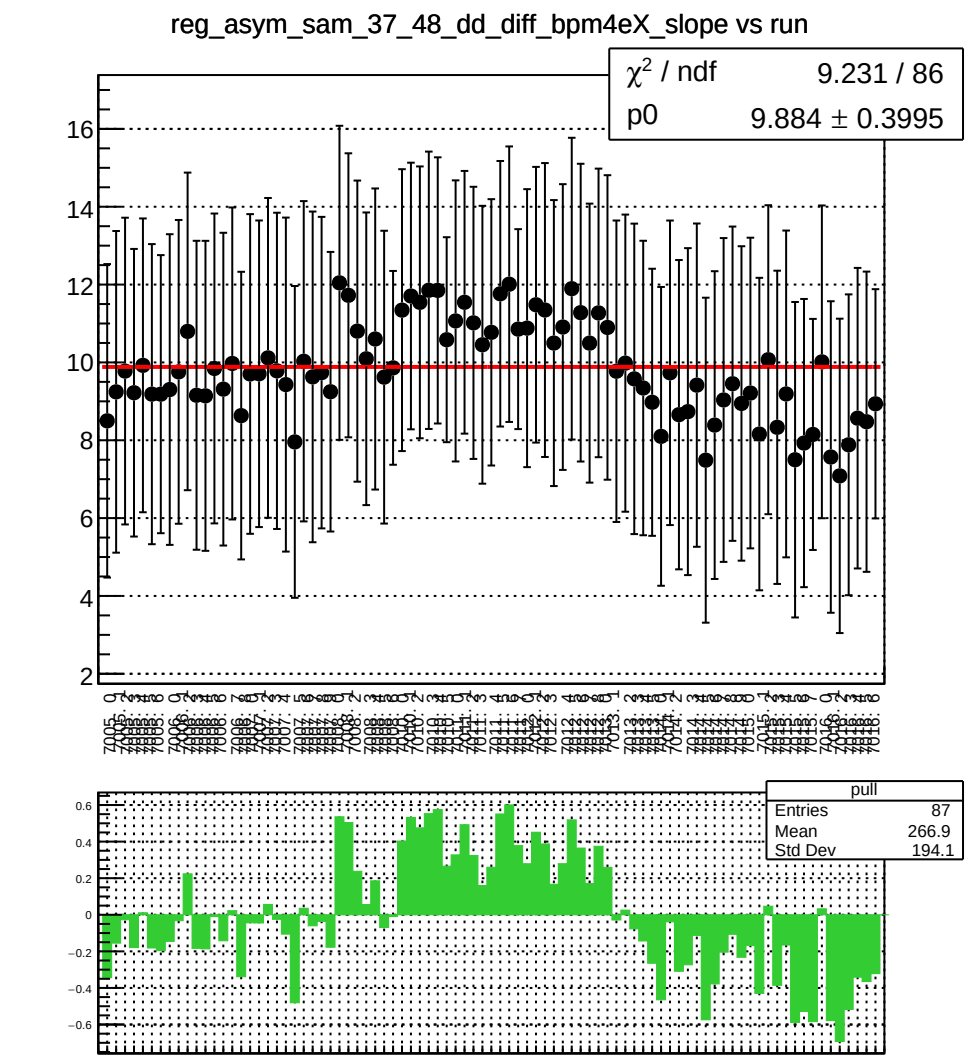

pull1D
Entries 87
Mean −0.0009395
Std Dev 0.5079

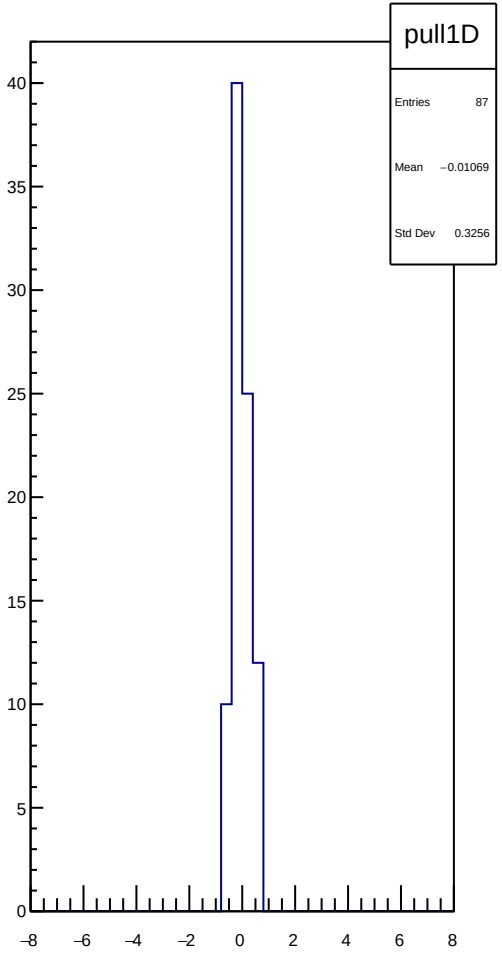

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.153 / 86
p0 6.446 ± 0.4306
pull
Entries 87
Mean 290
Std Dev 223.4

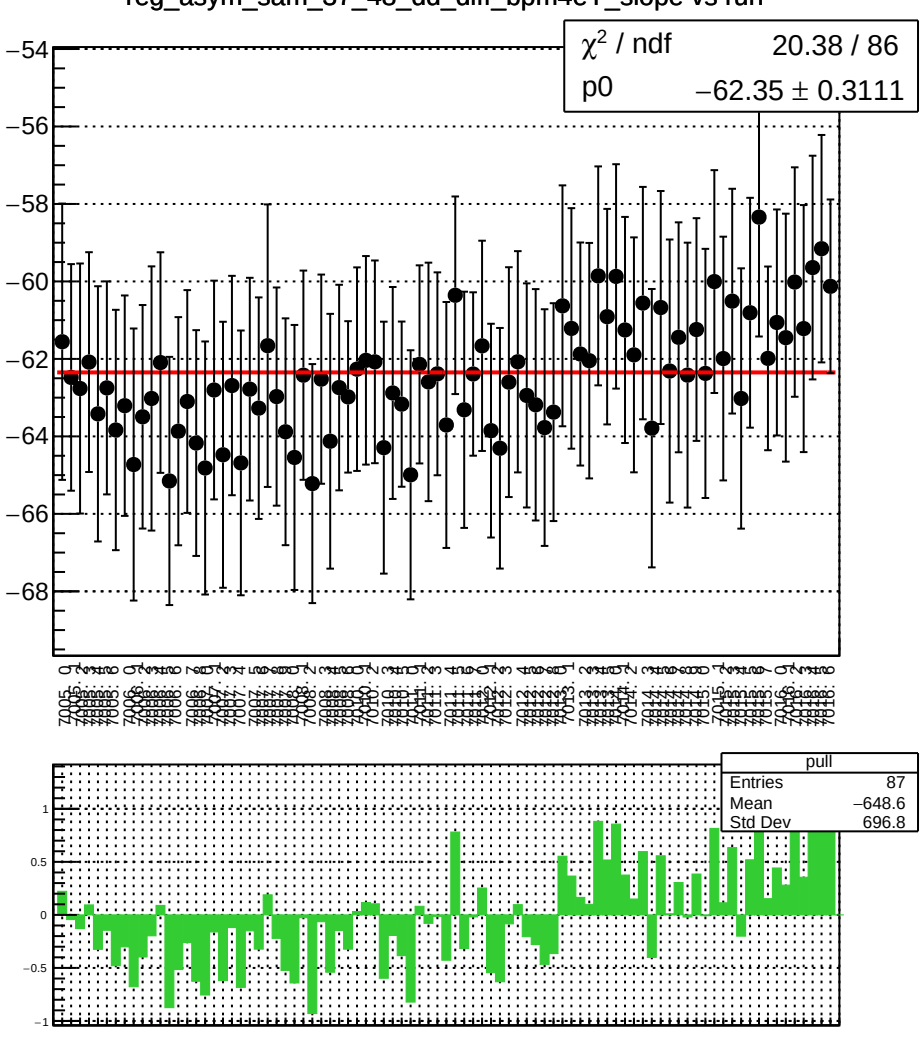

pull1D
Entries 87
Mean 0.01132
Std Dev 0.3241

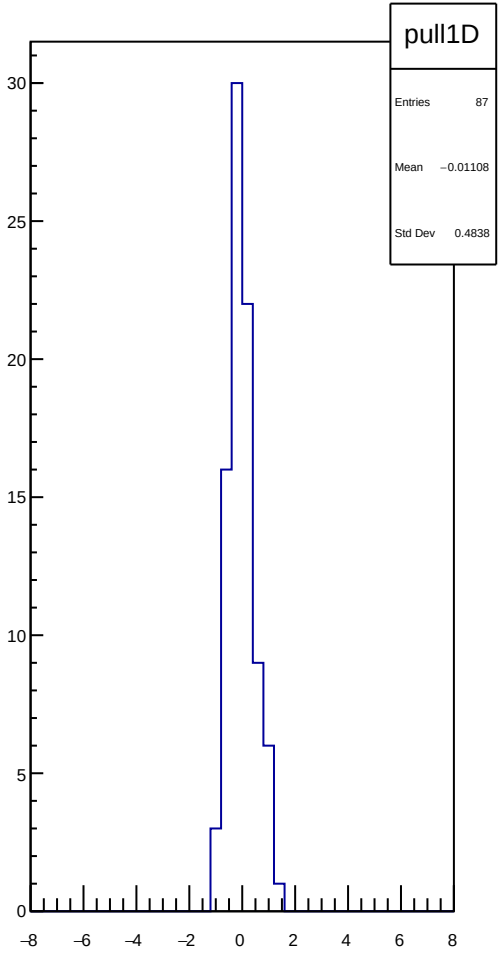

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.767 / 86
p0 8.792 ± 0.2956
pull
Entries 87
Mean −1009
Std Dev 1057

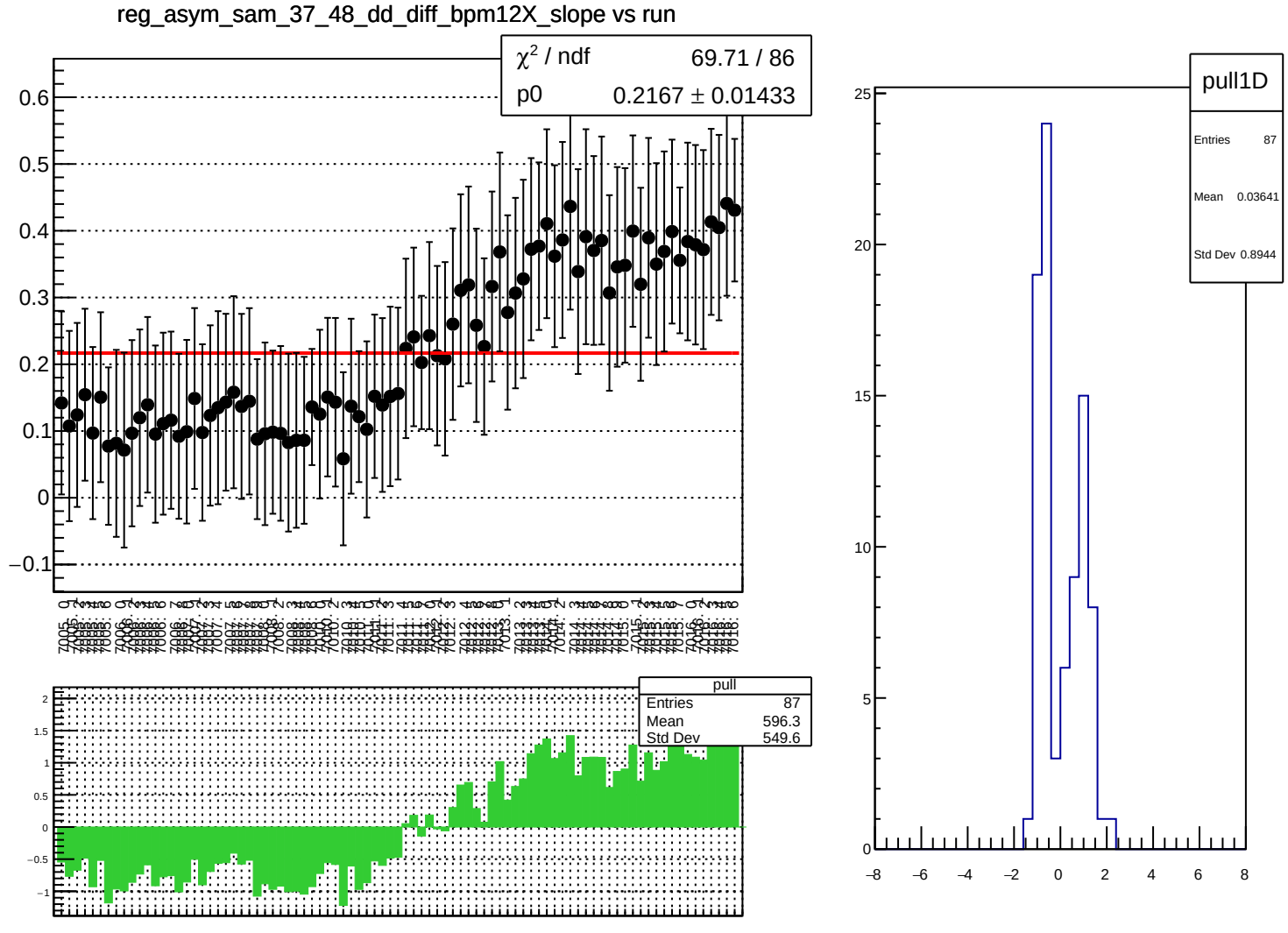

pull1D
Entries 87
Mean 0.003826
Std Dev 0.2789

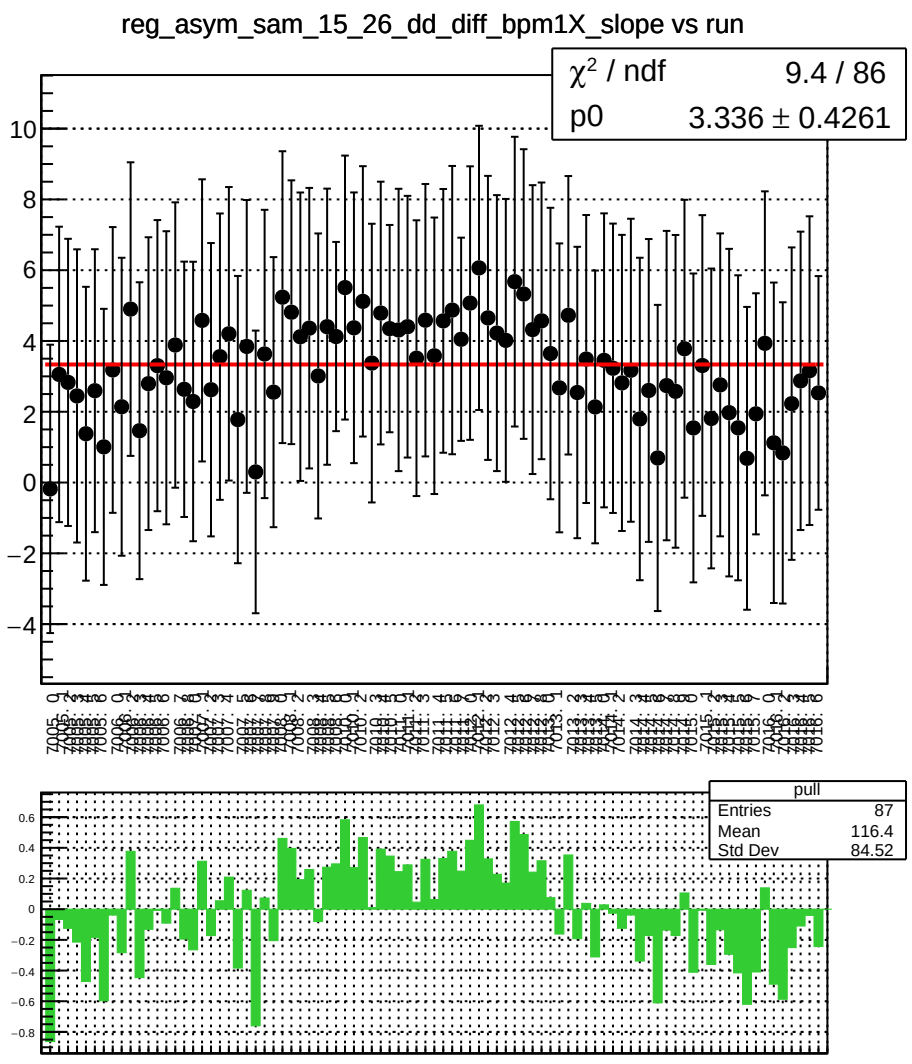

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.231 / 86
p0 9.884 ± 0.3995
pull
Entries 87
Mean 266.9
Std Dev 194.1

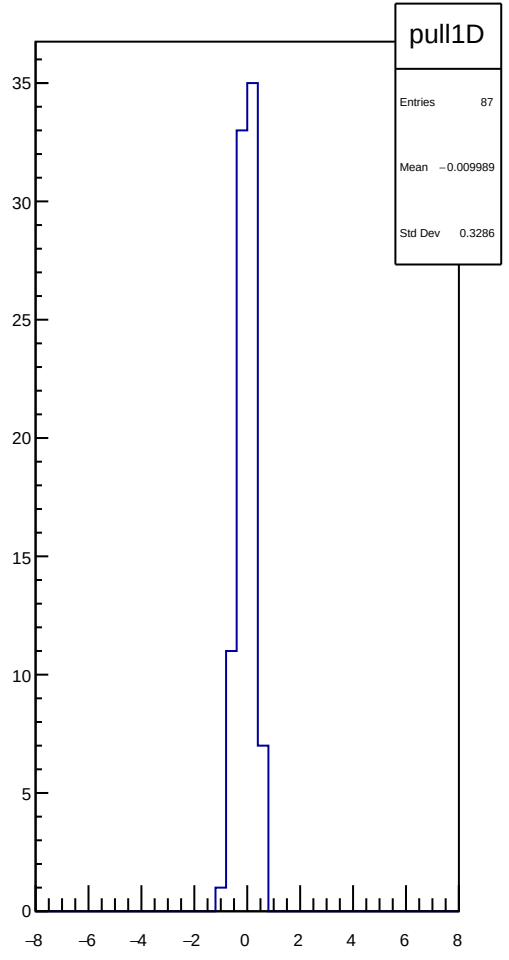

pull1D
Entries 87
Mean −0.01069
Std Dev 0.3256

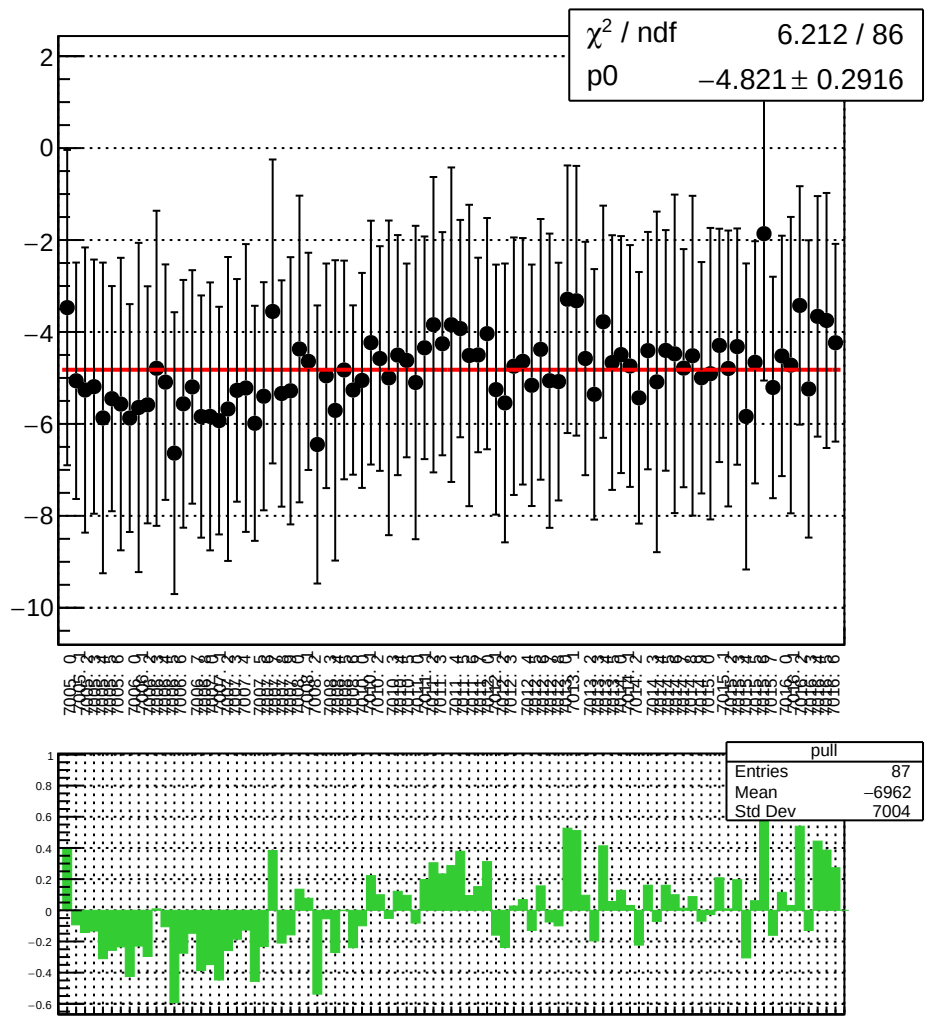

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.38 / 86
p0 −62.35 ± 0.3111
pull
Entries 87
Mean −648.6
Std Dev 696.8

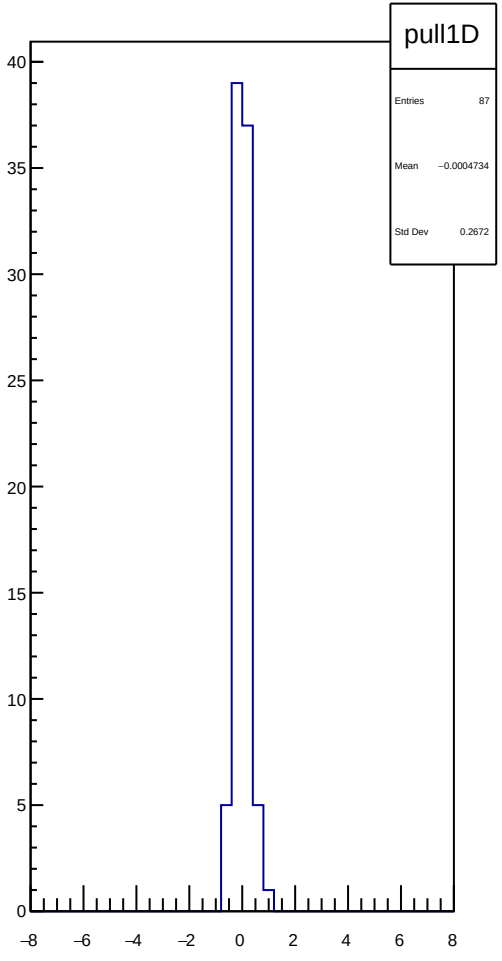

pull1D
Entries 87
Mean −0.01108
Std Dev 0.4838

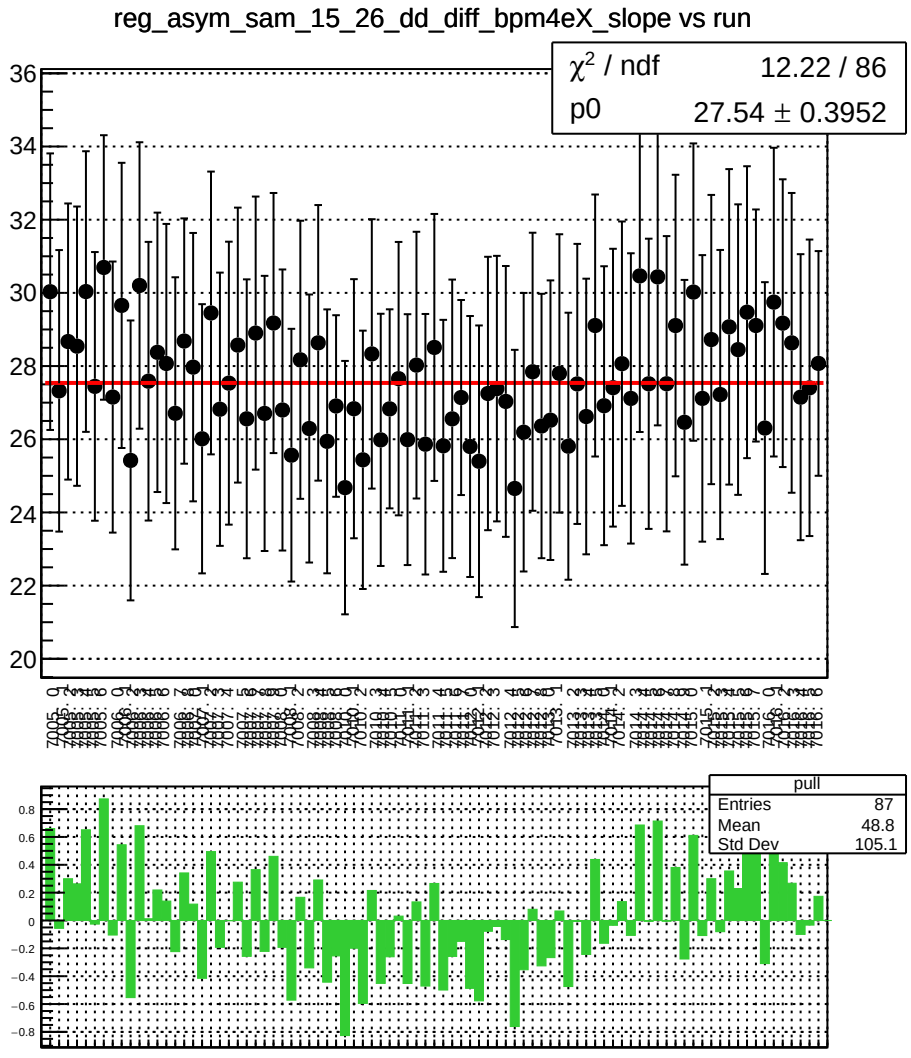

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 69.71 / 86
p0 0.2167 ± 0.01433
pull
Entries 87
Mean 596.3
Std Dev 549.6
pull1D
Entries 87
Mean 0.03641
Std Dev 0.8944

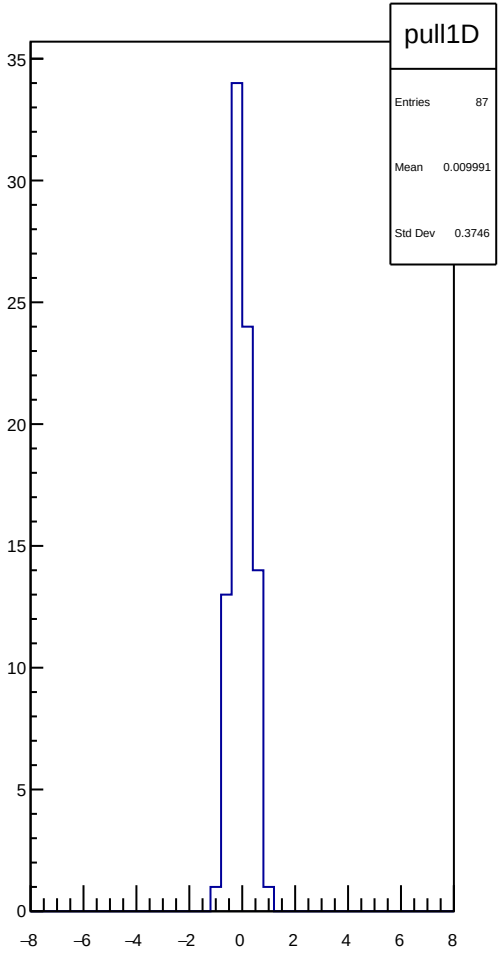

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.4 / 86
p0 3.336 ± 0.4261
pull
Entries 87
Mean 116.4
Std Dev 84.52

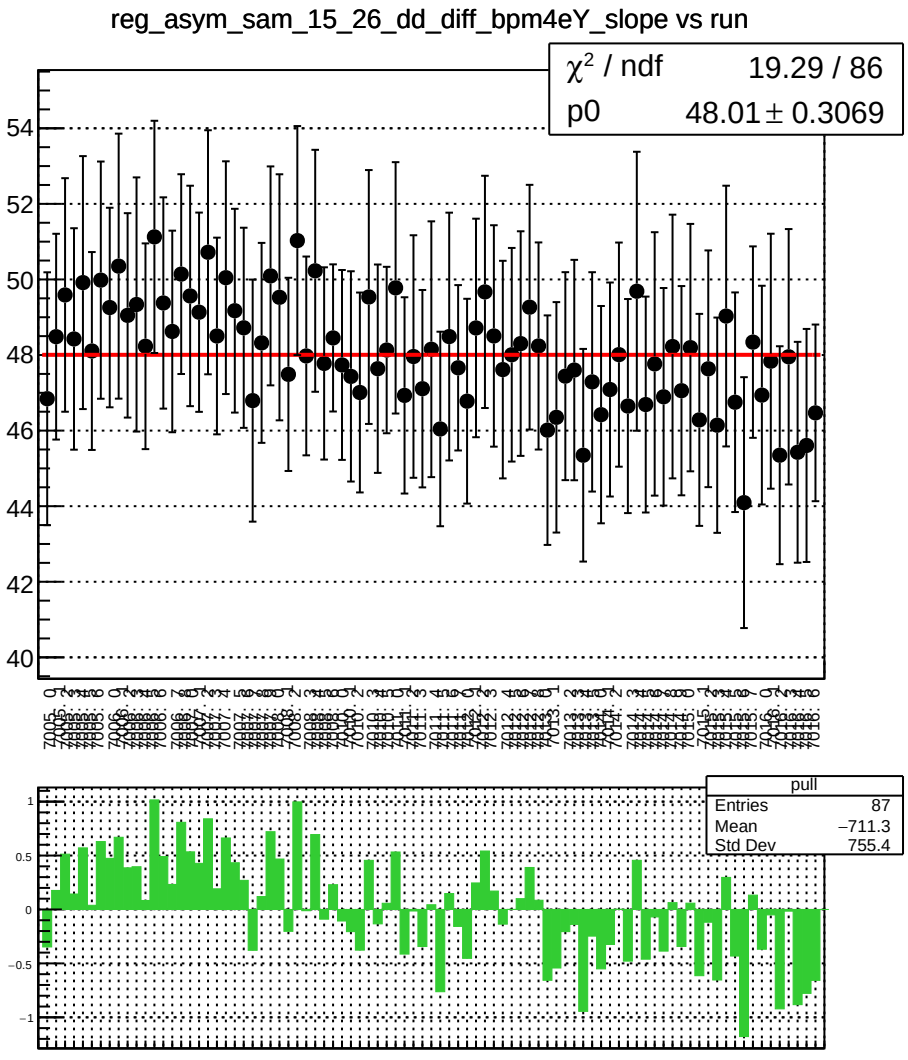

pull1D
Entries 87
Mean −0.009989
Std Dev 0.3286

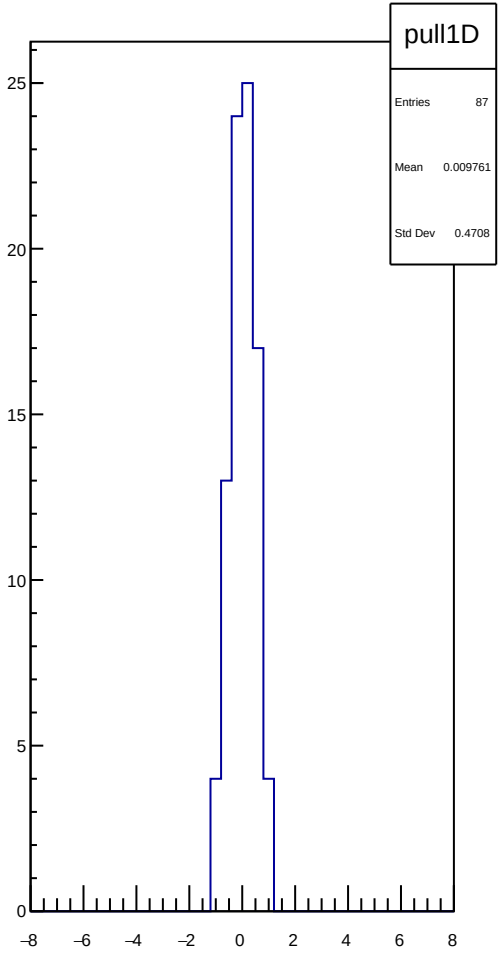

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.212 / 86
p0 −4.821 ± 0.2916
pull
Entries 87
Mean −6962
Std Dev 7004

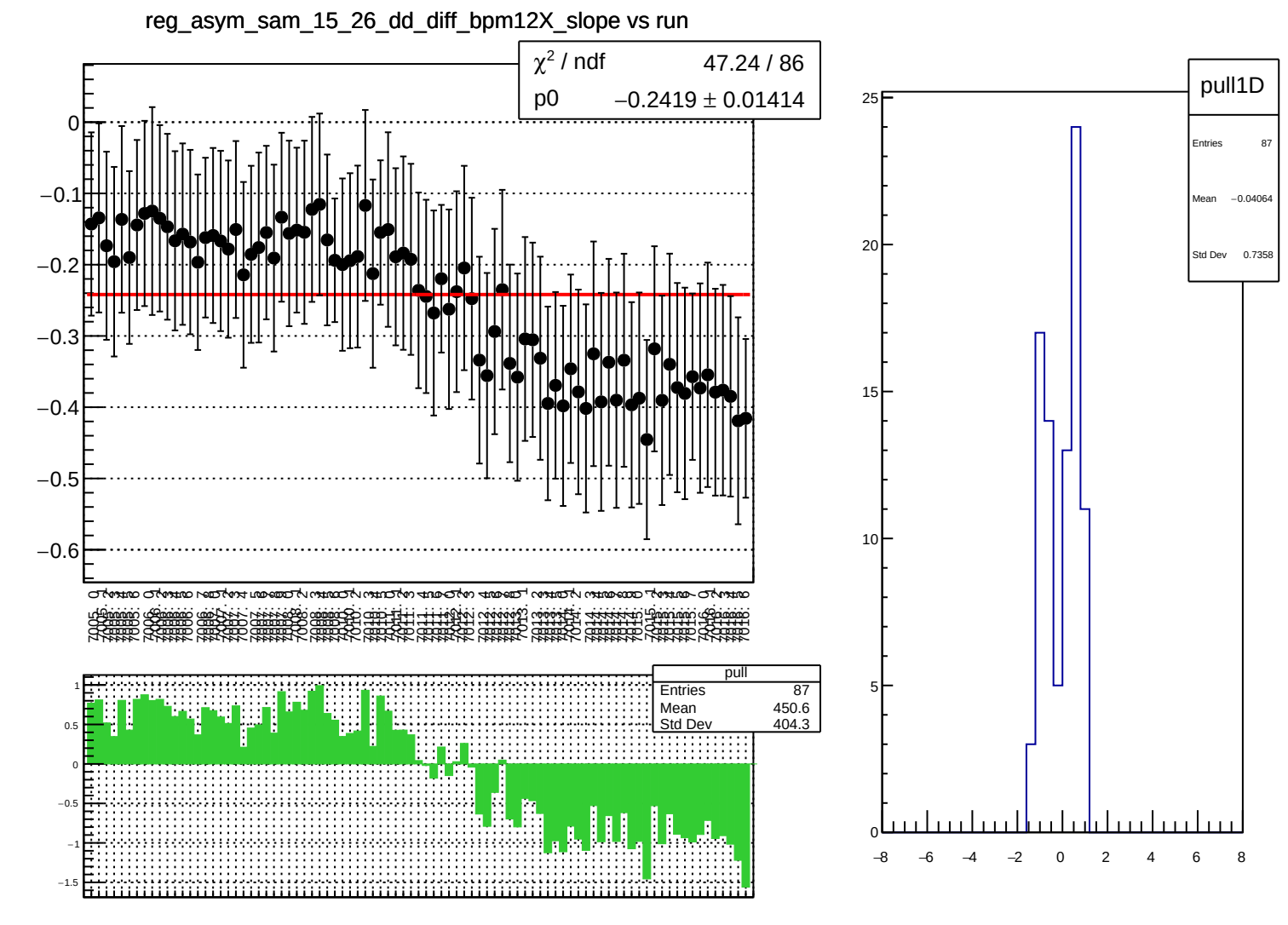

pull1D
Entries 87
Mean −0.0004734
Std Dev 0.2672

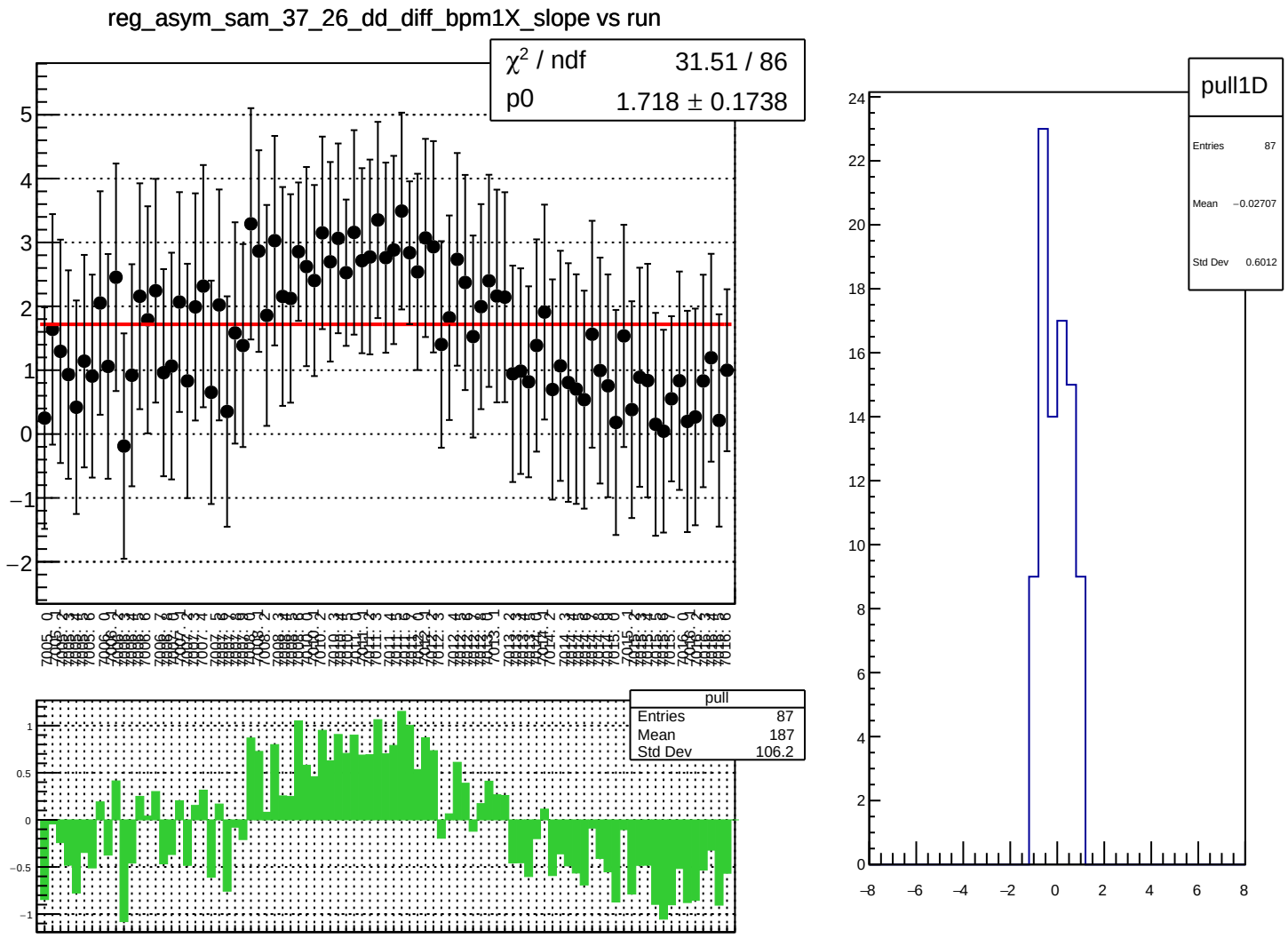

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.22 / 86
p0 27.54 ± 0.3952
pull
Entries 87
Mean 48.8
Std Dev 105.1

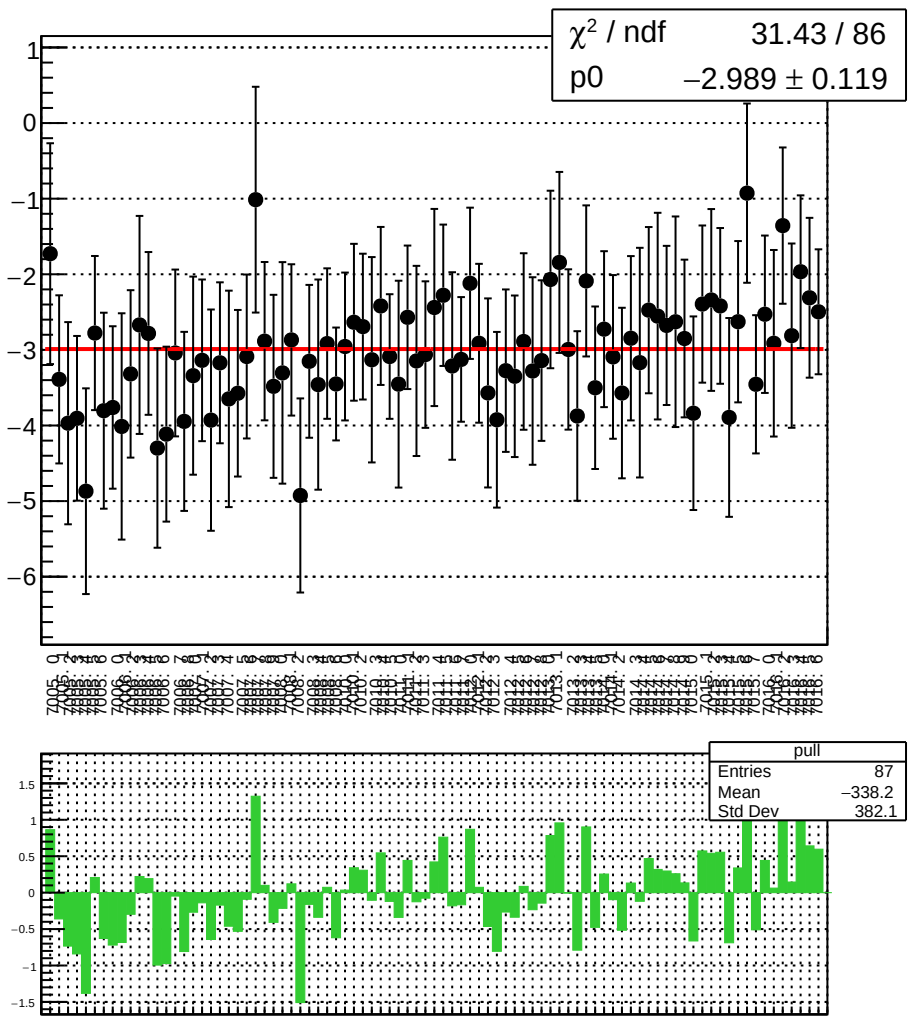

pull1D
Entries 87
Mean 0.009991
Std Dev 0.3746

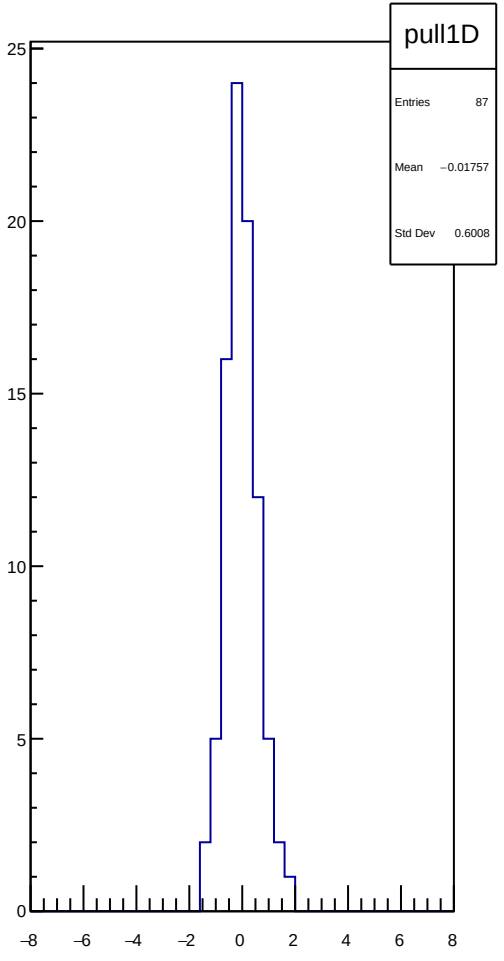

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.29 / 86
p0 48.01 ± 0.3069
pull
Entries 87
Mean −711.3
Std Dev 755.4

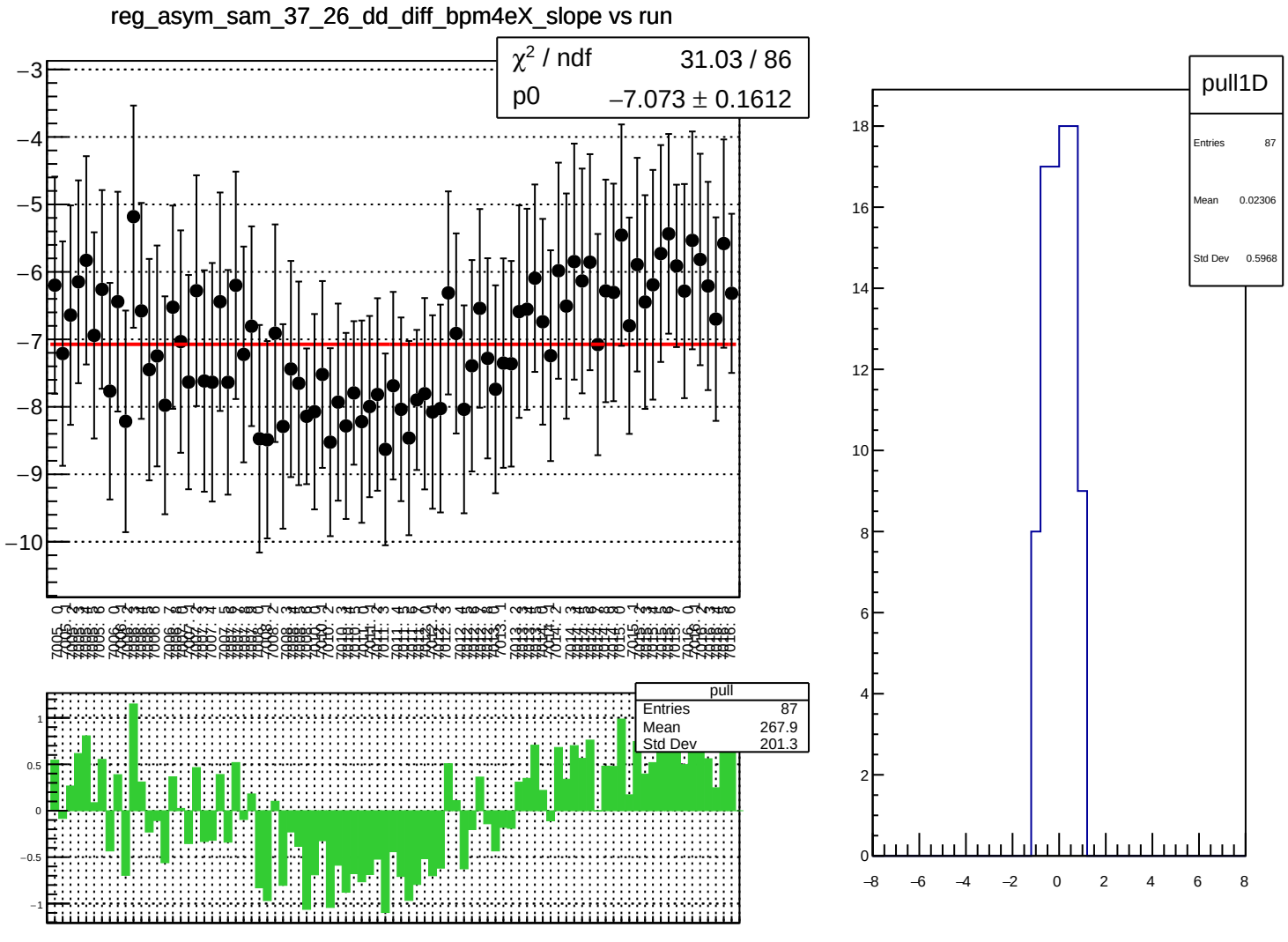

pull1D
Entries 87
Mean 0.009761
Std Dev 0.4708

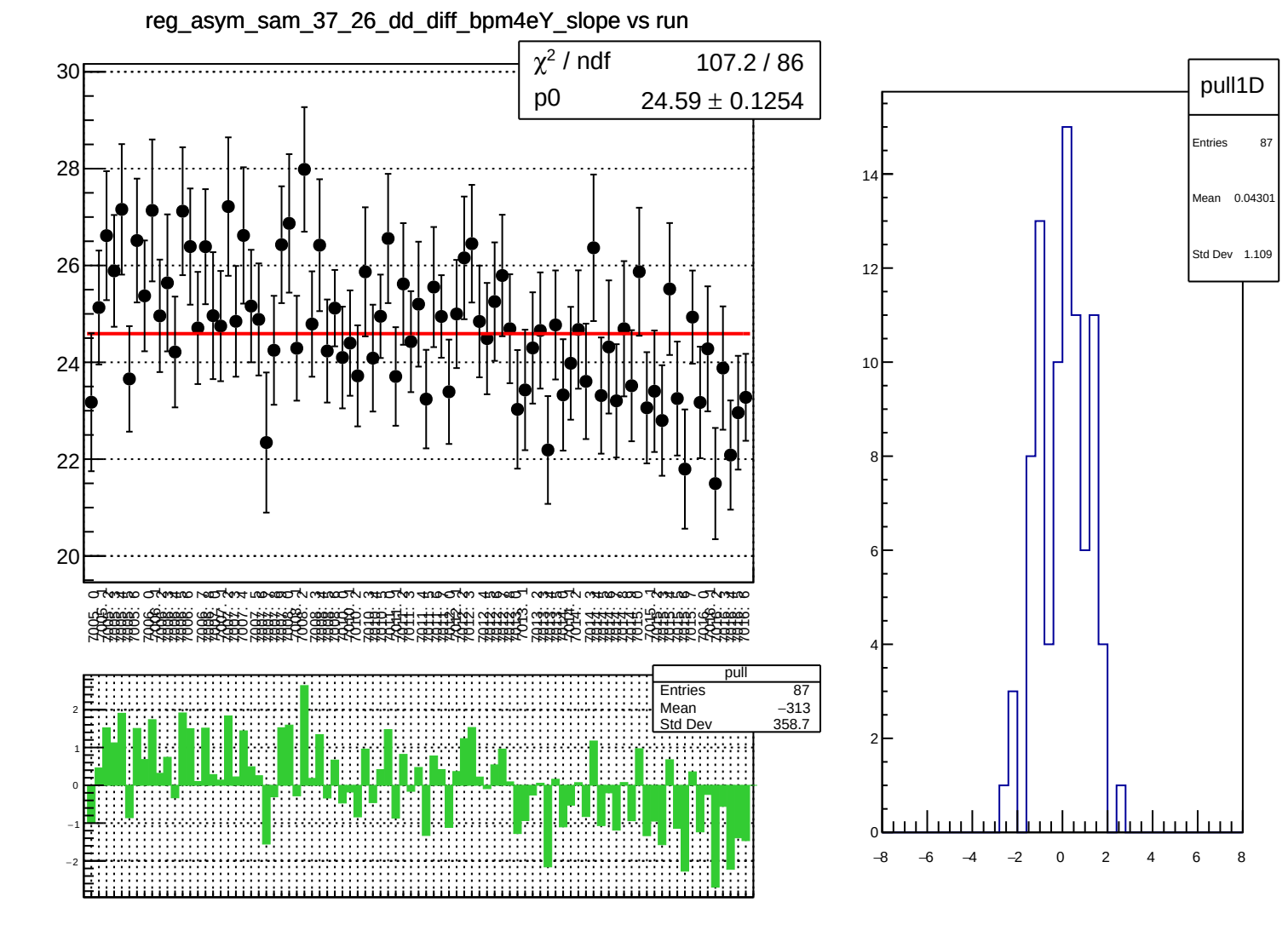

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 47.24 / 86
p0 −0.2419 ± 0.01414
pull
Entries 87
Mean 450.6
Std Dev 404.3
pull1D
Entries 87
Mean −0.04064
Std Dev 0.7358

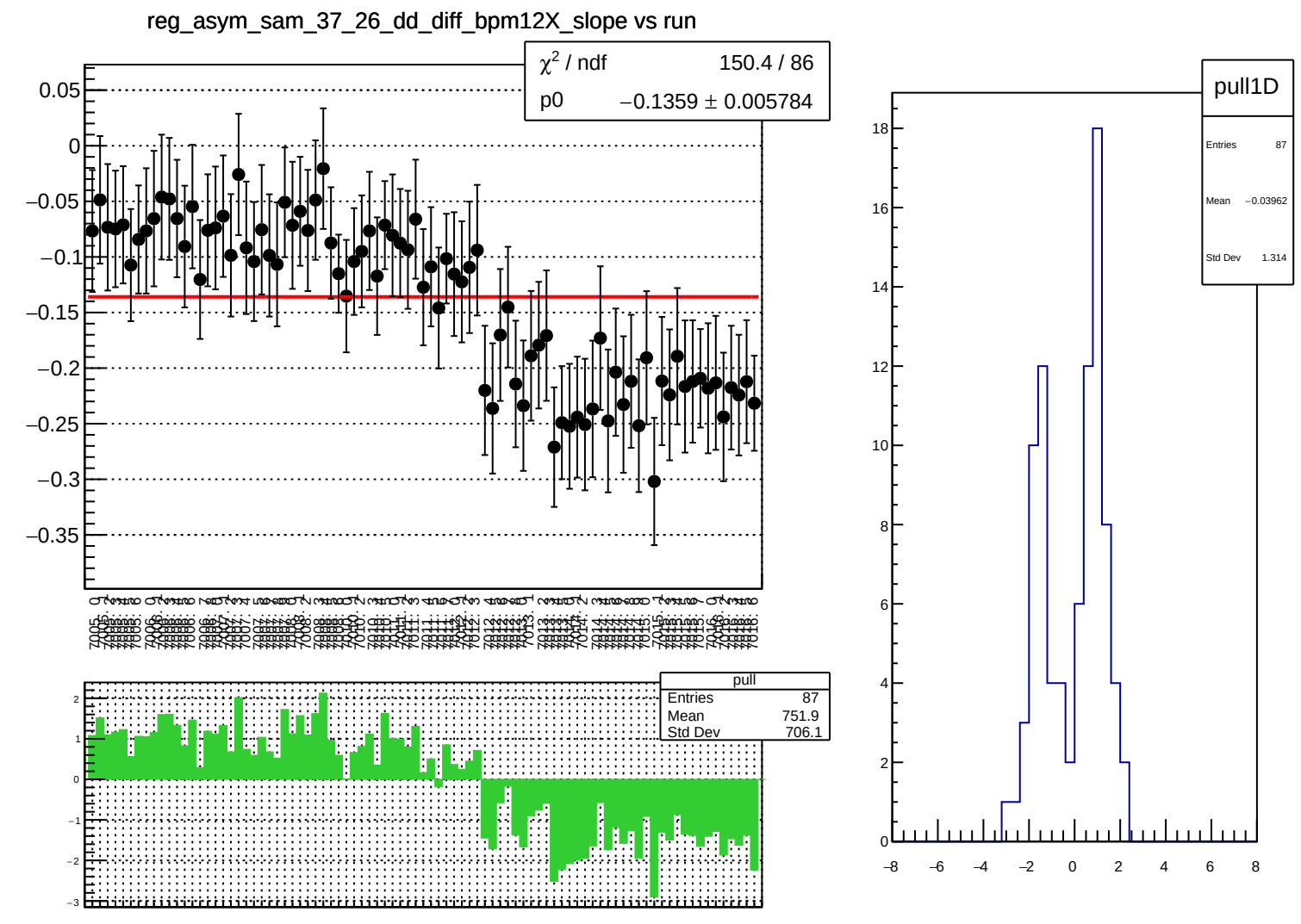

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 31.51 / 86
p0 1.718 ± 0.1738
pull
Entries 87
Mean 187
Std Dev 106.2
pull1D
Entries 87
Mean −0.02707
Std Dev 0.6012

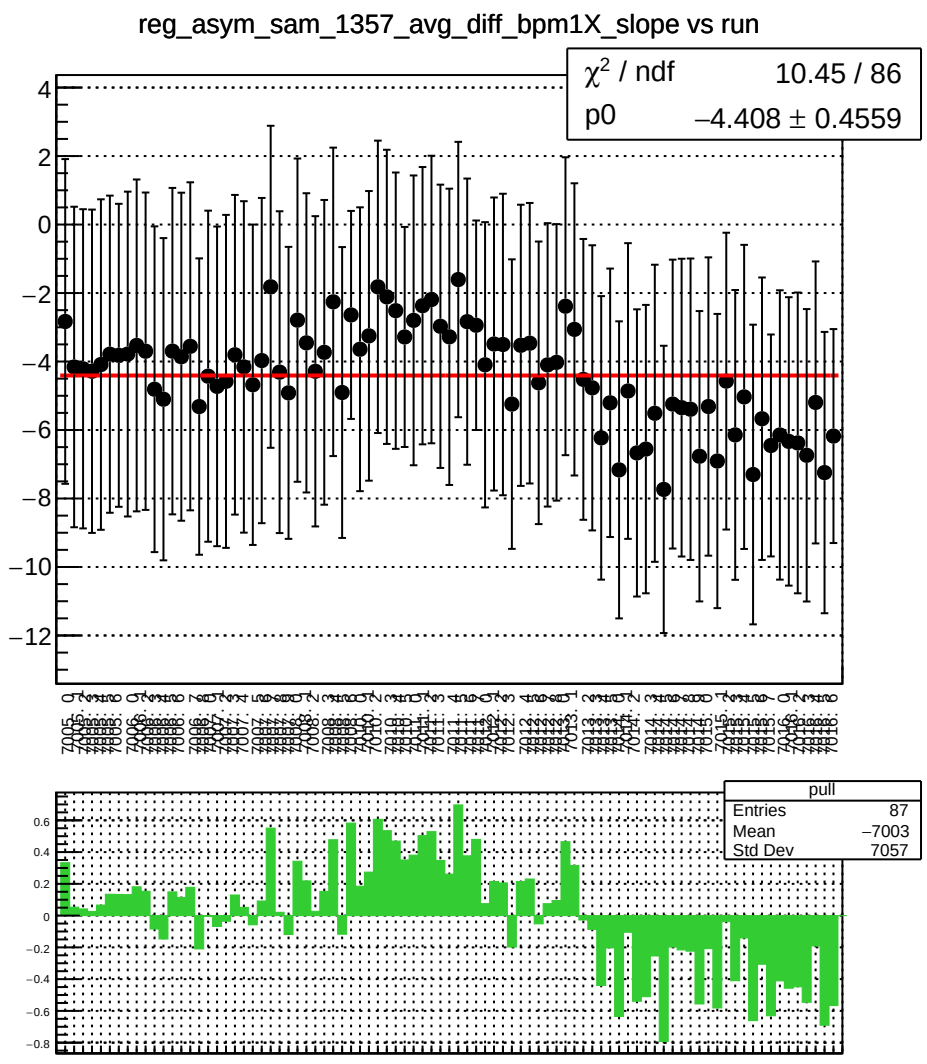

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.43 / 86
p0 −2.989 ± 0.119
pull
Entries 87
Mean −338.2
Std Dev 382.1

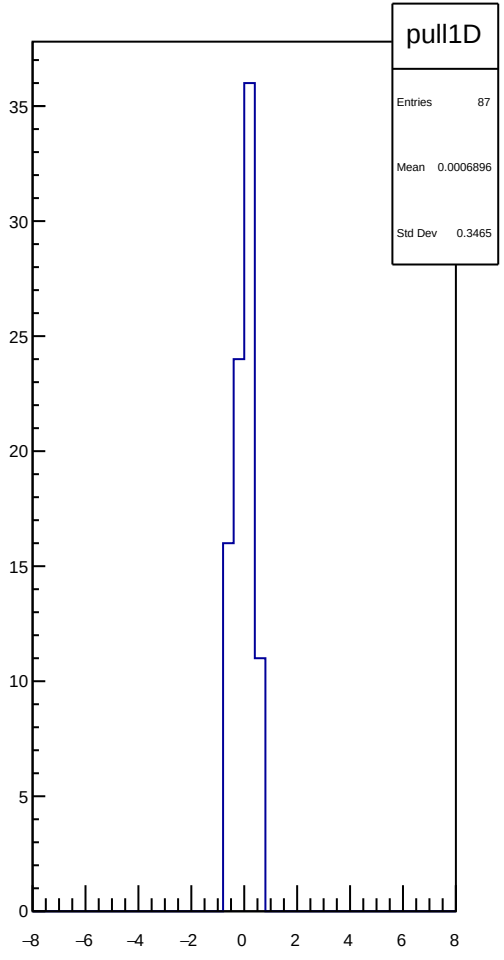

pull1D
Entries 87
Mean −0.01757
Std Dev 0.6008

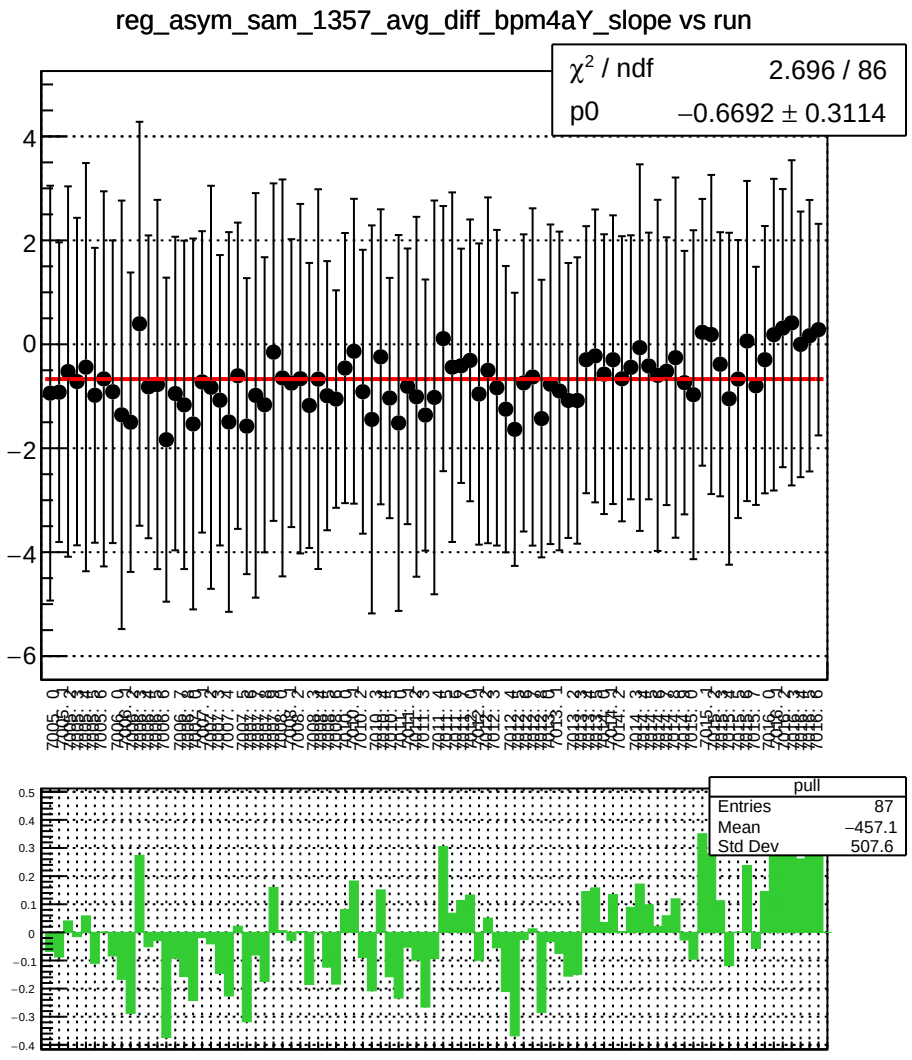

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.03 / 86
p0 −7.073 ± 0.1612
pull
Entries 87
Mean 267.9
Std Dev 201.3
pull1D
Entries 87
Mean 0.02306
Std Dev 0.5968

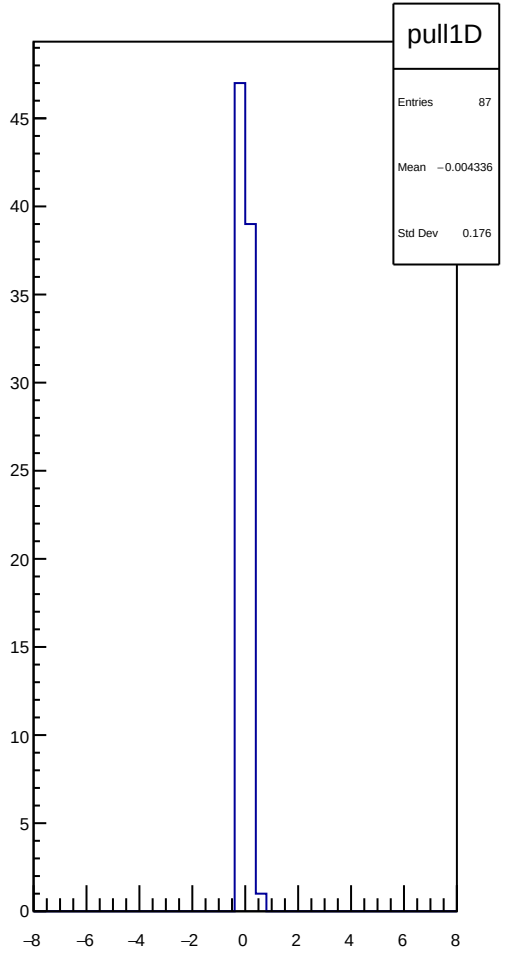

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.2 / 86
p0 24.59 ± 0.1254
pull
Entries 87
Mean −313
Std Dev 358.7
pull1D
Entries 87
Mean 0.04301
Std Dev 1.109

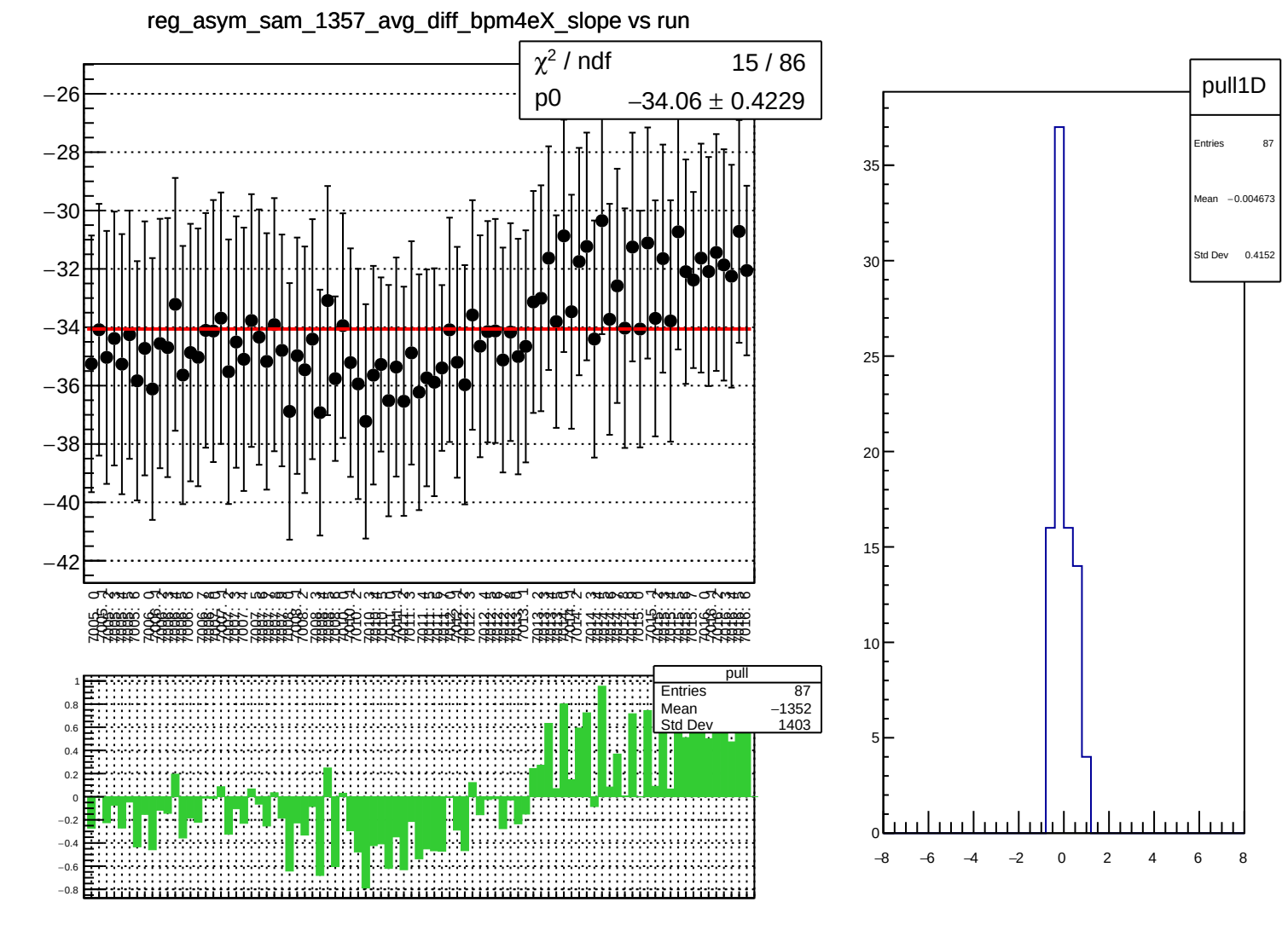

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 150.4 / 86
p0 −0.1359 ± 0.005784
pull
Entries 87
Mean 751.9
Std Dev 706.1
pull1D
Entries 87
Mean −0.03962
Std Dev 1.314

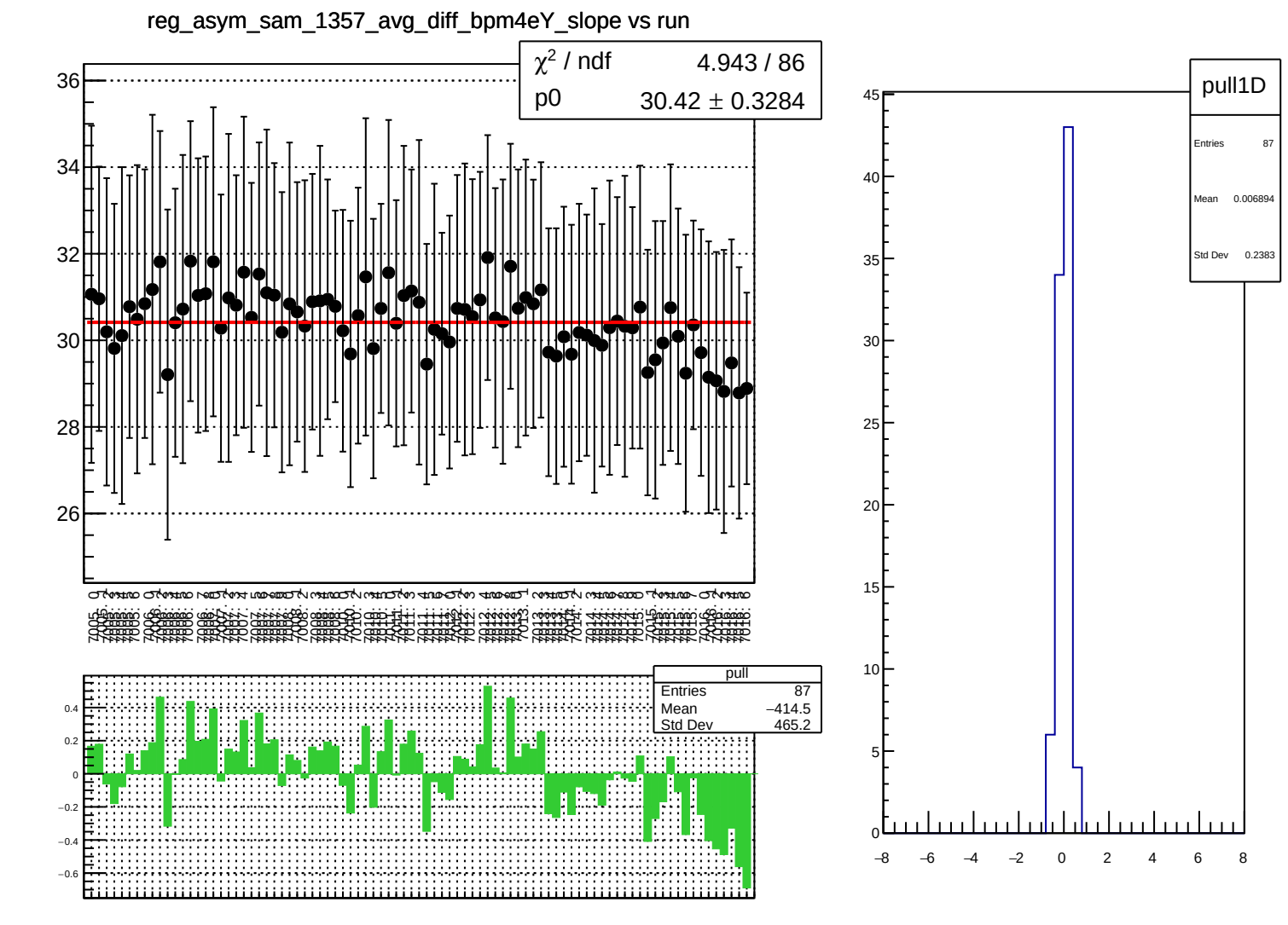

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 10.45 / 86
p0 −4.408 ± 0.4559
pull
Entries 87
Mean −7003
Std Dev 7057

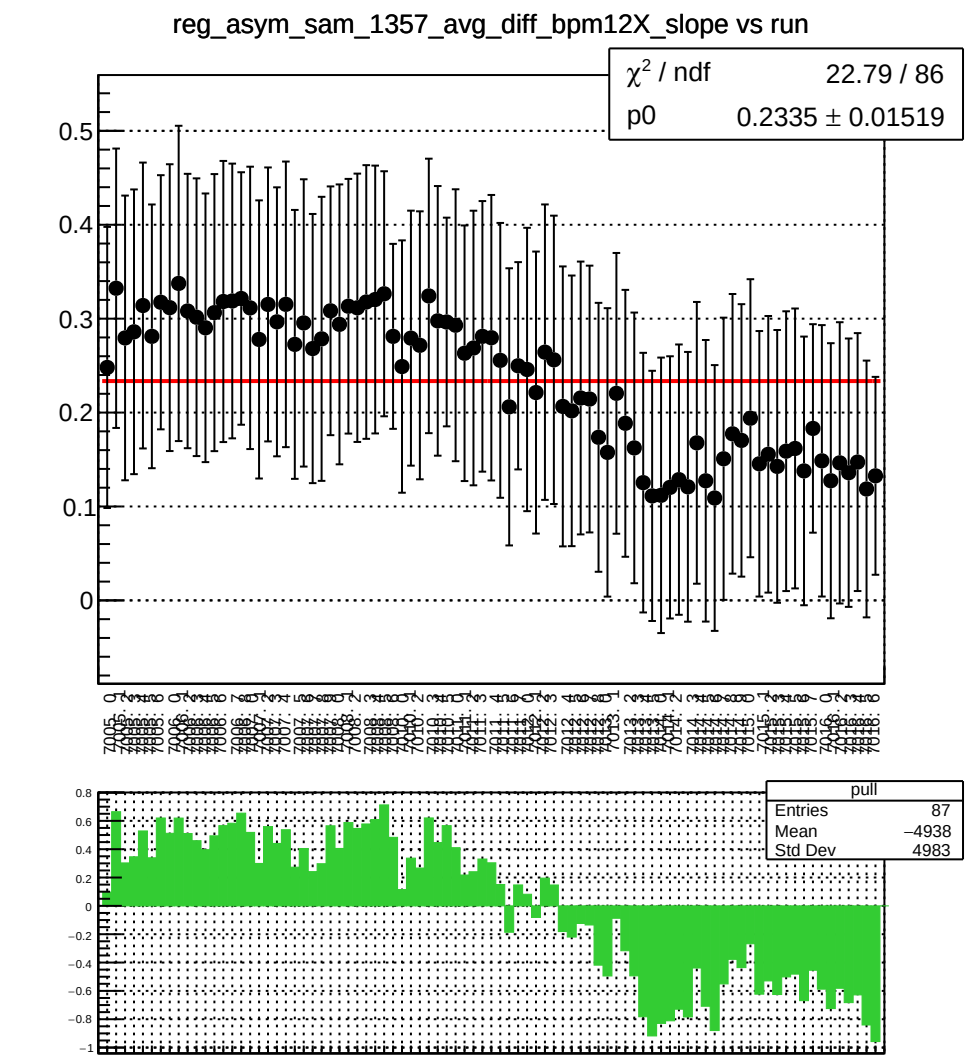

pull1D
Entries 87
Mean 0.0006896
Std Dev 0.3465

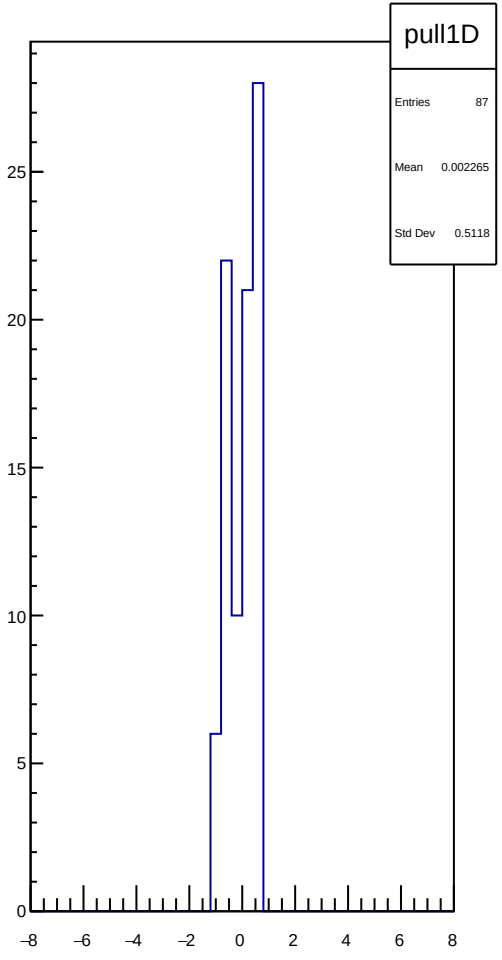

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.696 / 86
p0 −0.6692 ± 0.3114
pull
Entries 87
Mean −457.1
Std Dev 507.6

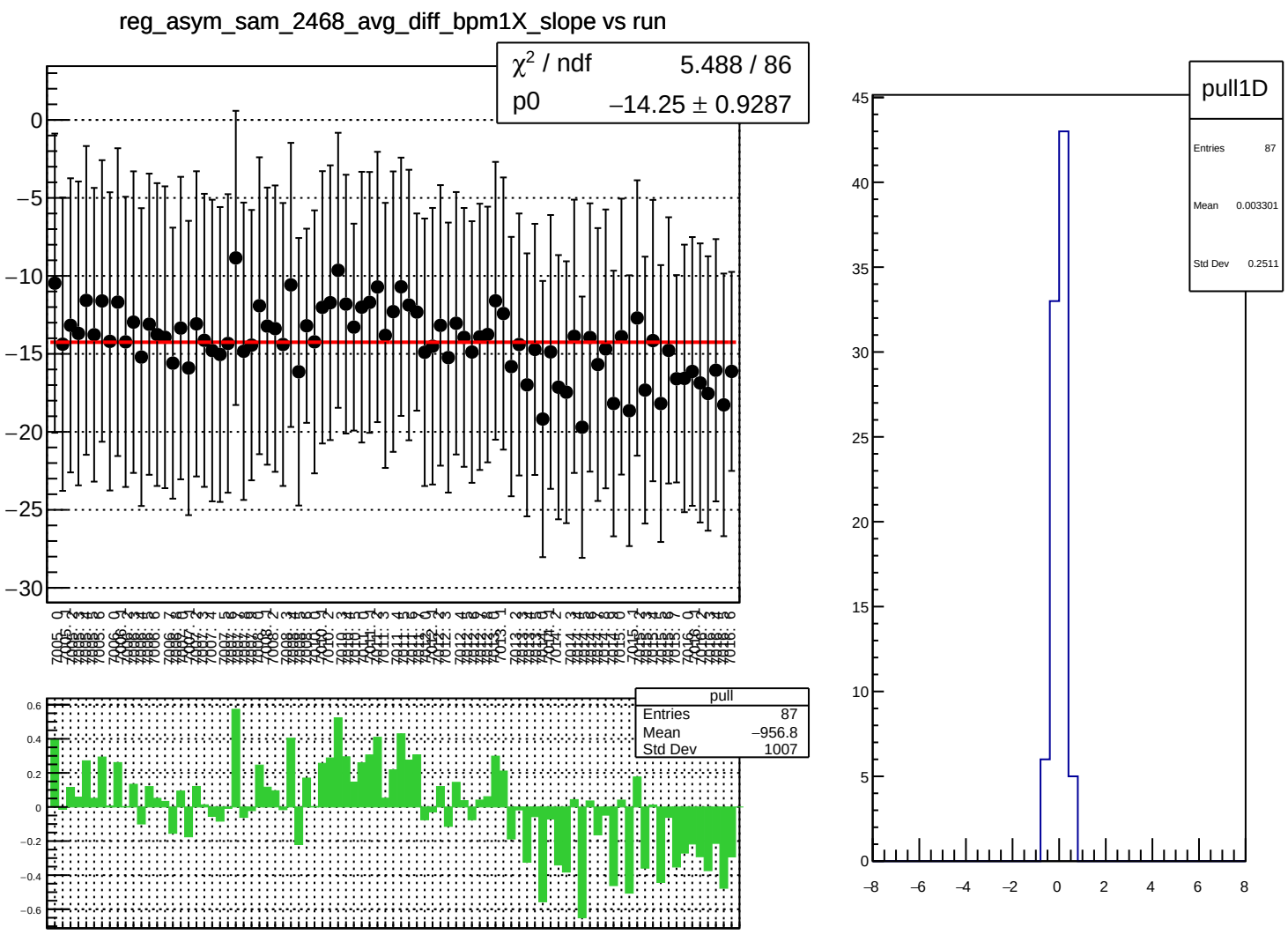

pull1D
Entries 87
Mean −0.004336
Std Dev 0.176

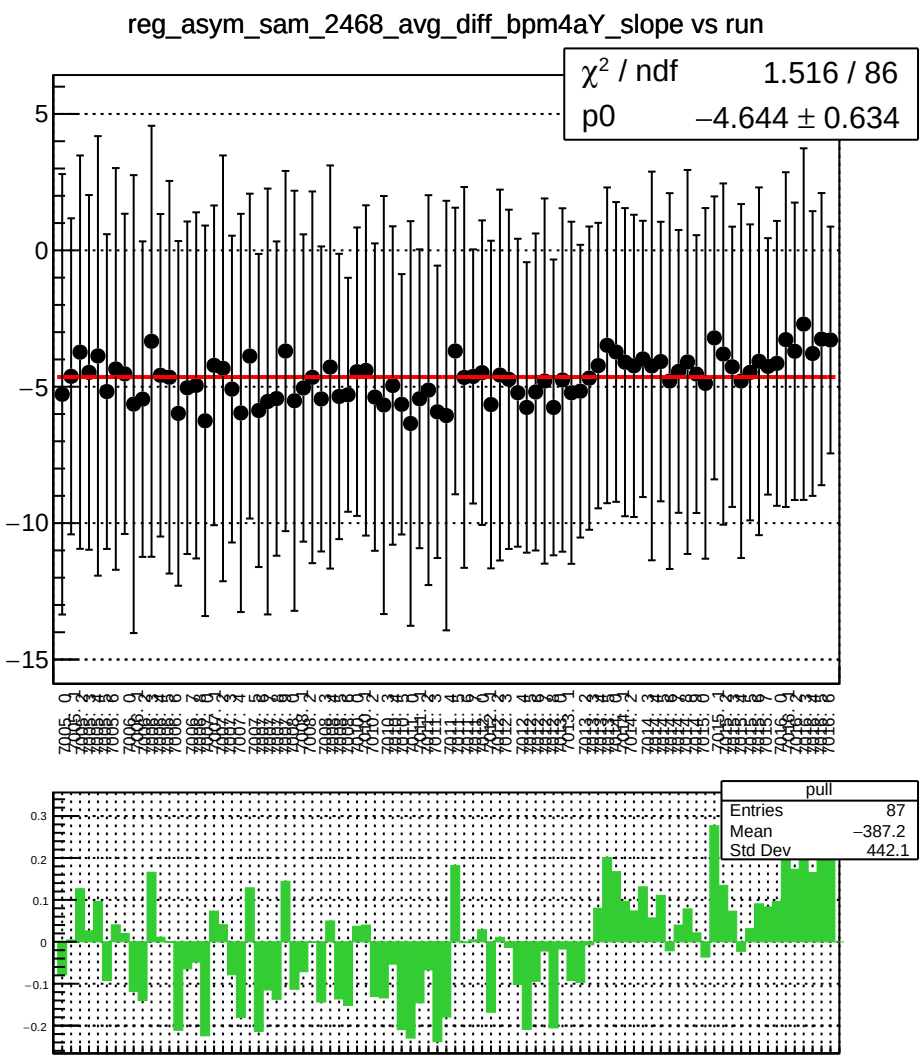

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 15 / 86
p0 −34.06 ± 0.4229
pull
Entries 87
Mean −1352
Std Dev 1403
pull1D
Entries 87
Mean −0.004673
Std Dev 0.4152

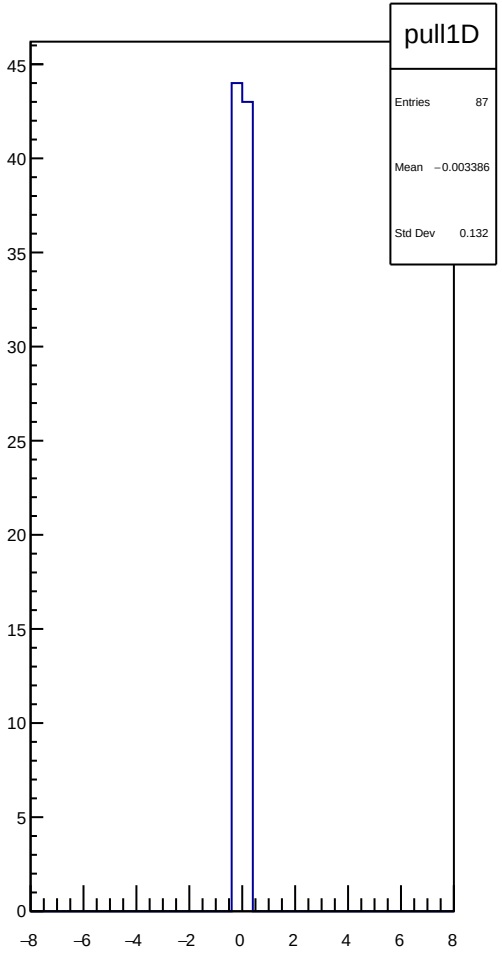

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.943 / 86
p0 30.42 ± 0.3284
pull
Entries 87
Mean −414.5
Std Dev 465.2
pull1D
Entries 87
Mean 0.006894
Std Dev 0.2383

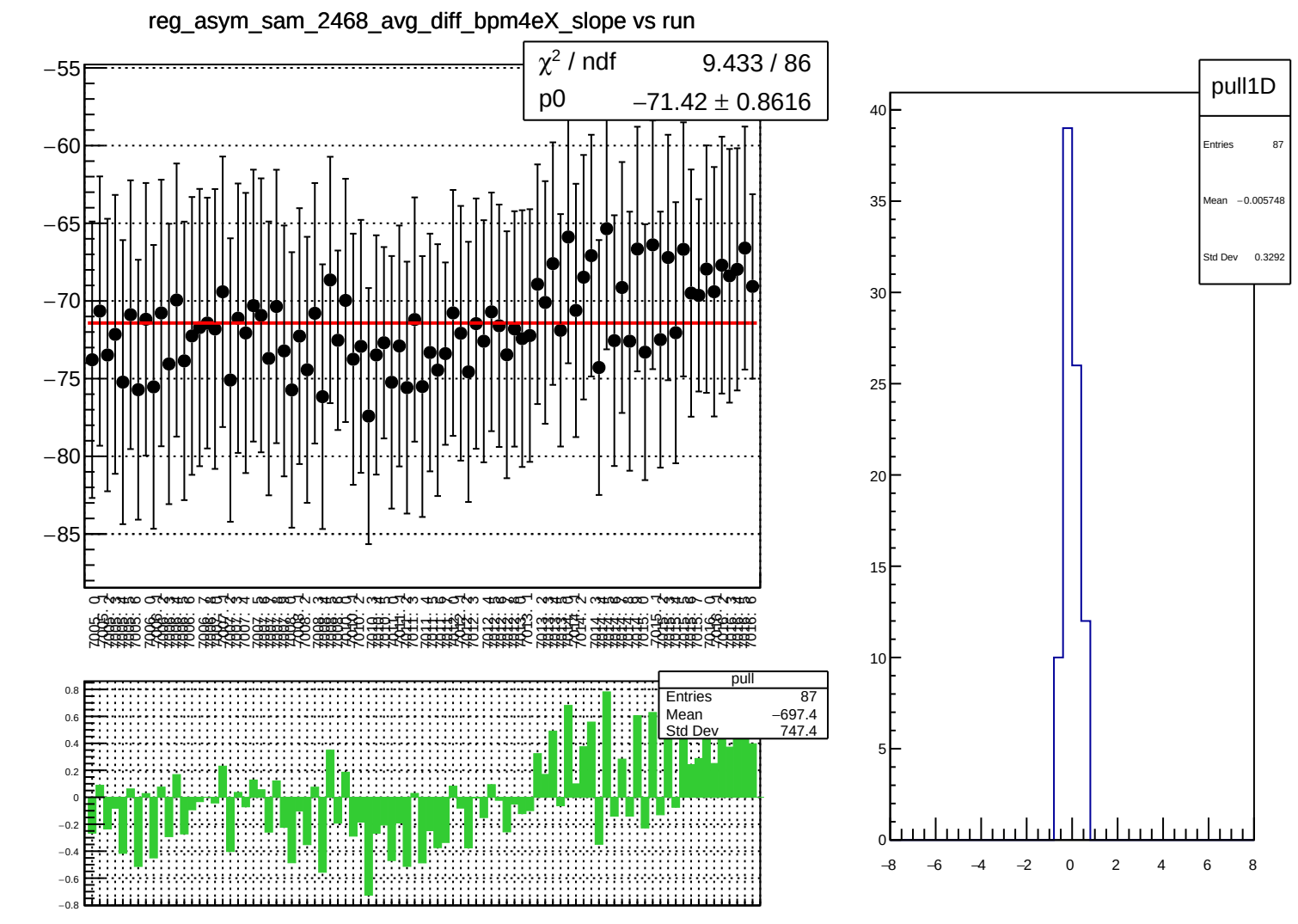

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 22.79 / 86
p0 0.2335 ± 0.01519
pull
Entries 87
Mean −4938
Std Dev 4983

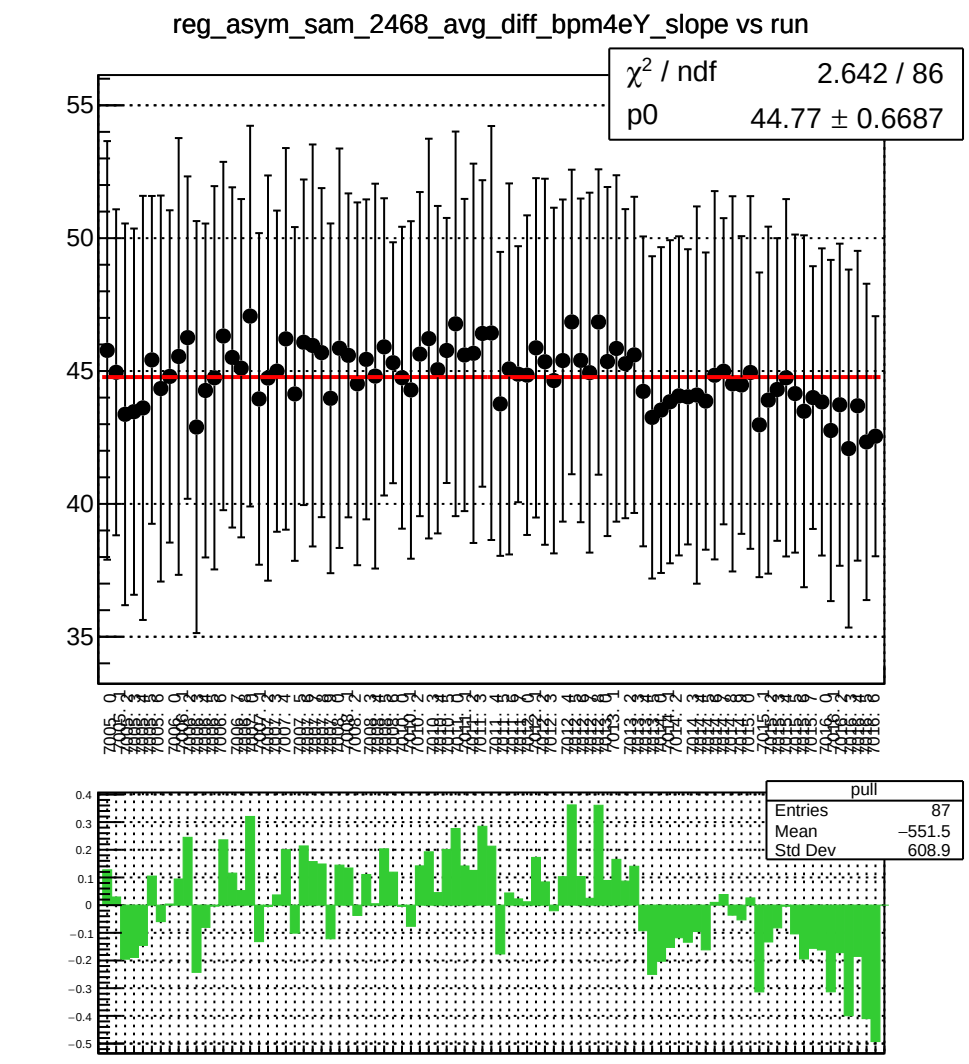

pull1D
Entries 87
Mean 0.002265
Std Dev 0.5118

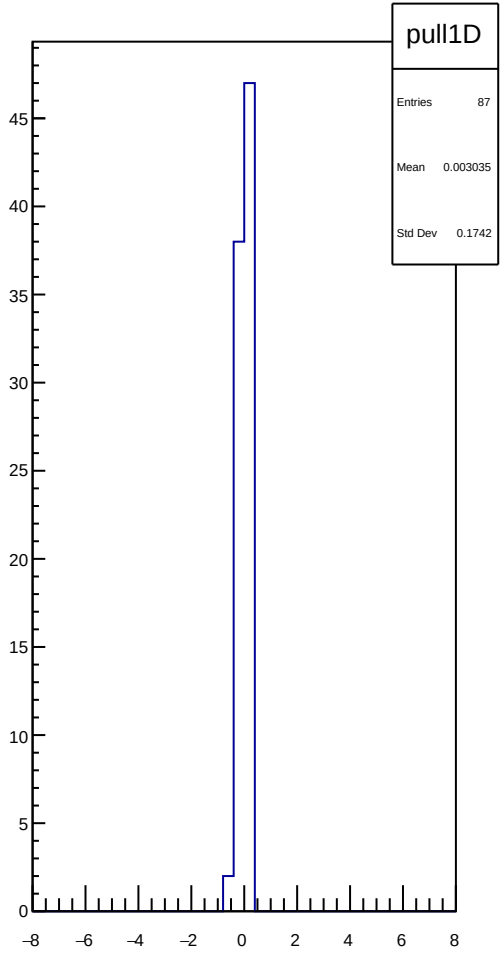

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 5.488 / 86
p0 −14.25 ± 0.9287
pull
Entries 87
Mean −956.8
Std Dev 1007
pull1D
Entries 87
Mean 0.003301
Std Dev 0.2511

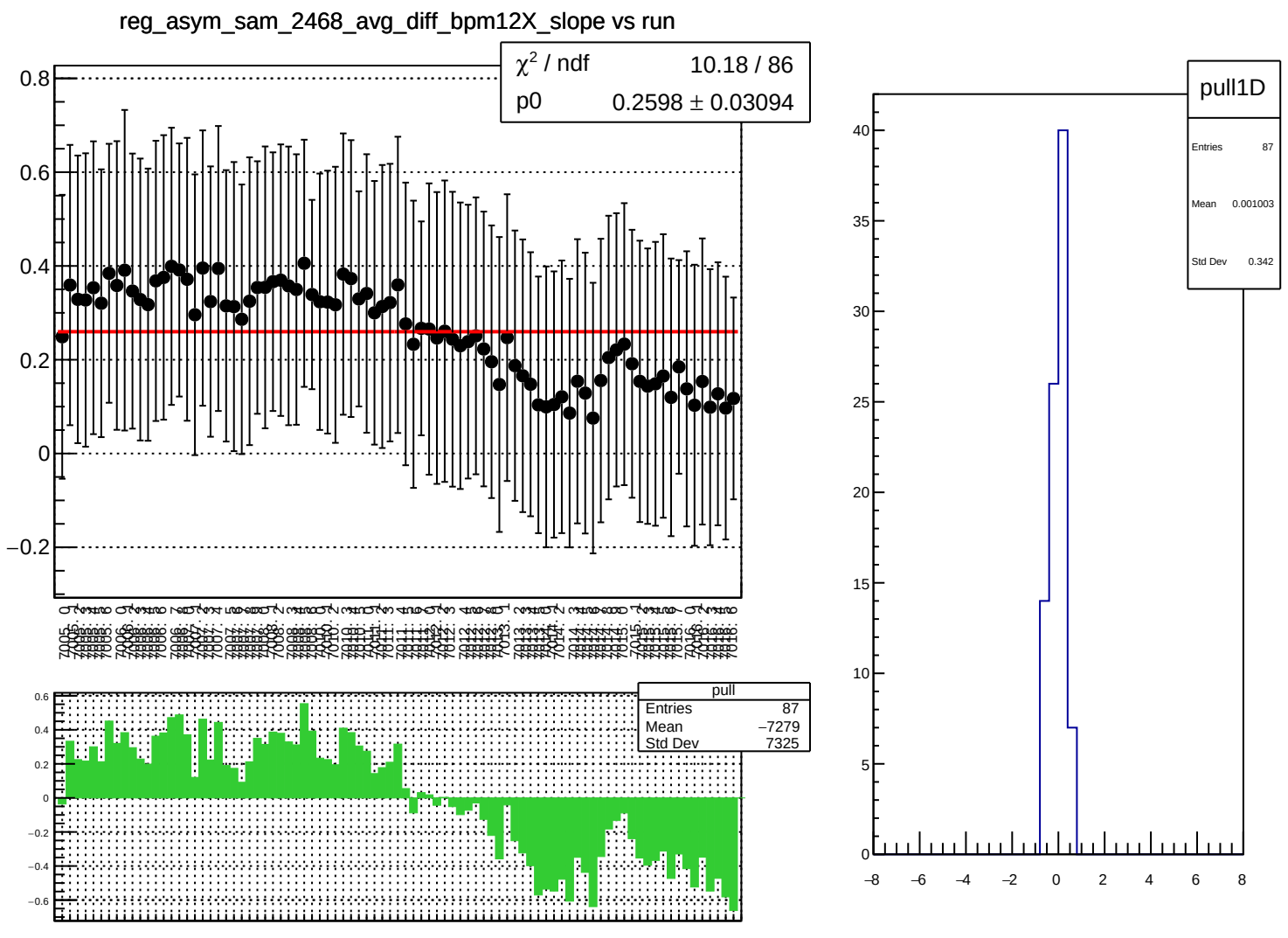

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.516 / 86
p0 −4.644 ± 0.634
pull
Entries 87
Mean −387.2
Std Dev 442.1

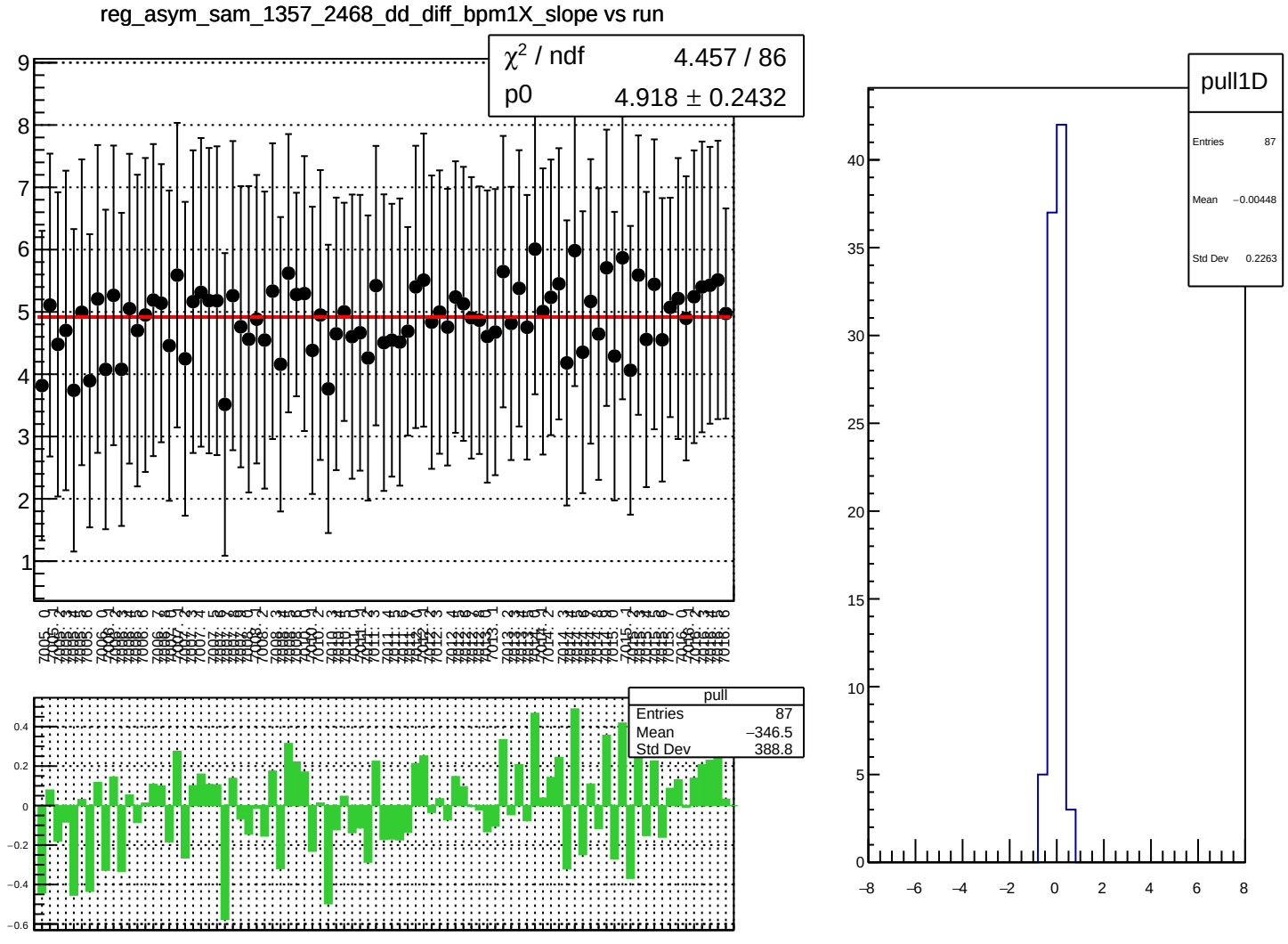

pull1D
Entries 87
Mean −0.003386
Std Dev 0.132

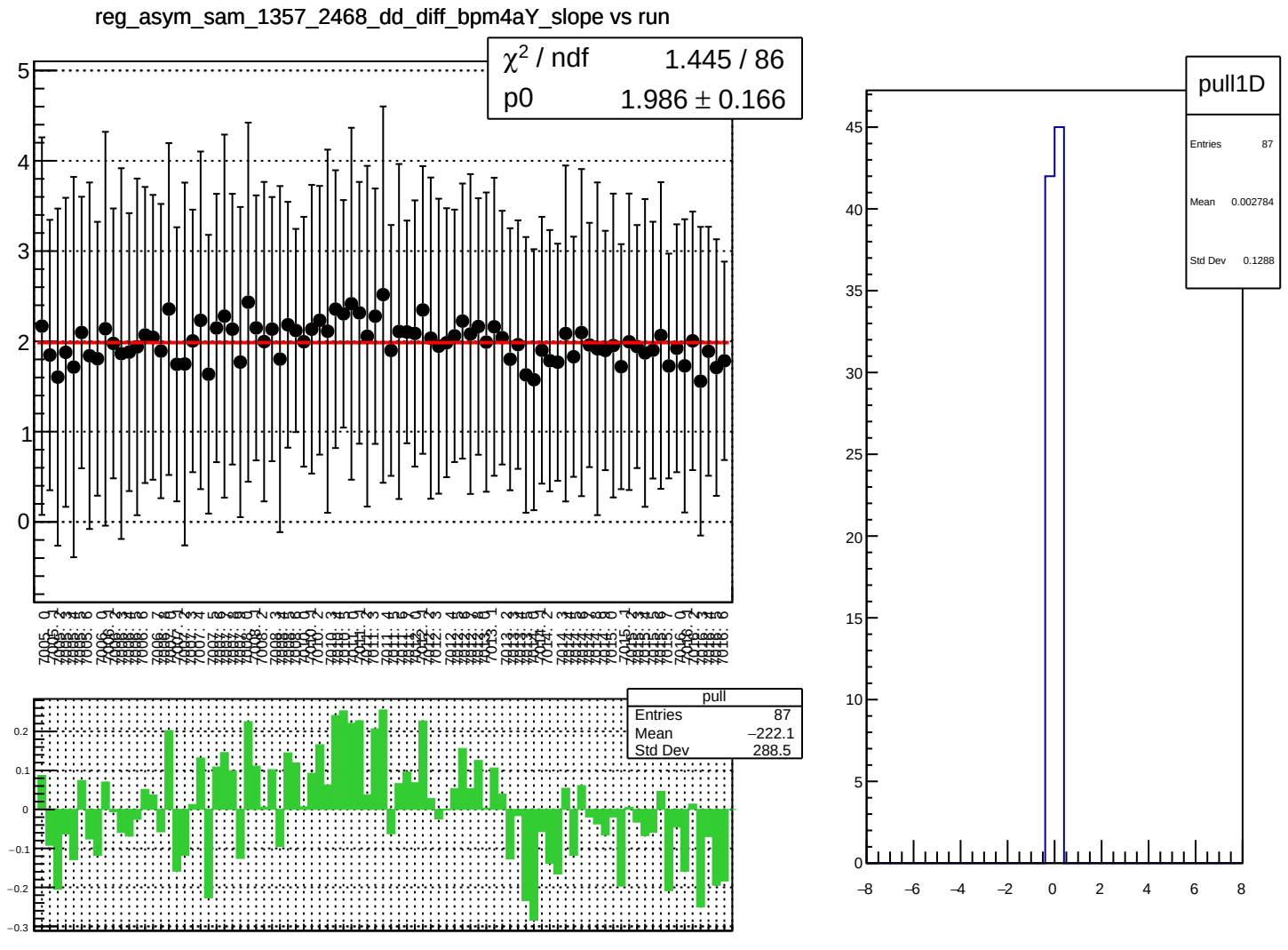

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.433 / 86
p0 −71.42 ± 0.8616
pull
Entries 87
Mean −697.4
Std Dev 747.4
pull1D
Entries 87
Mean −0.005748
Std Dev 0.3292

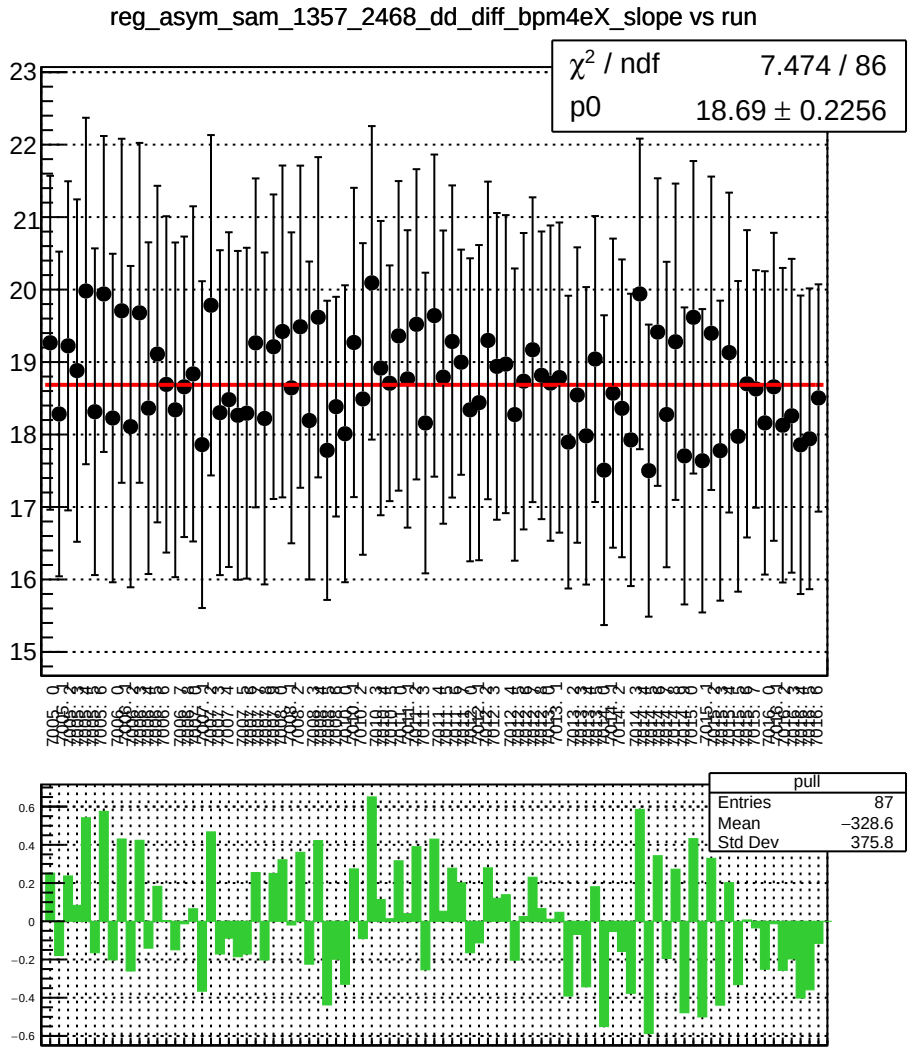

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.642 / 86
p0 44.77 ± 0.6687
55
50
45
40
35
pull
Entries 87
Mean −551.5
Std Dev 608.9
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

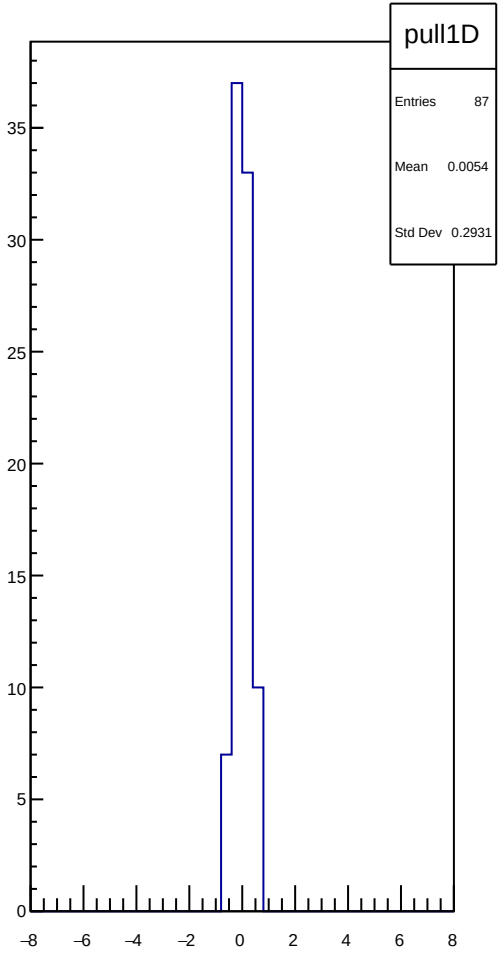

pull1D
Entries 87
Mean 0.003035
Std Dev 0.1742
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

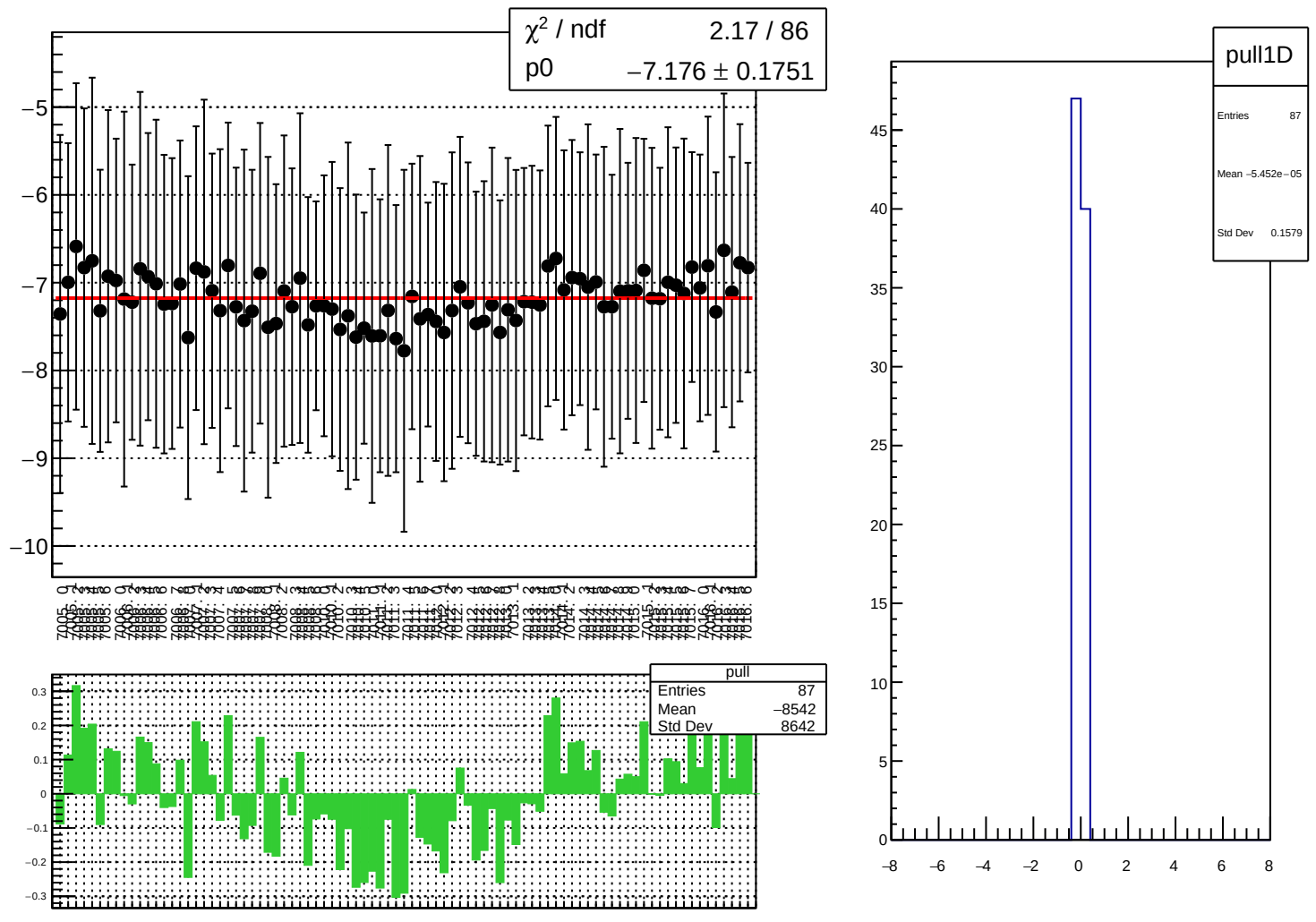

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 10.18 / 86
p0 0.2598 ± 0.03094
pull
Entries 87
Mean −7279
Std Dev 7325
pull1D
Entries 87
Mean 0.001003
Std Dev 0.342

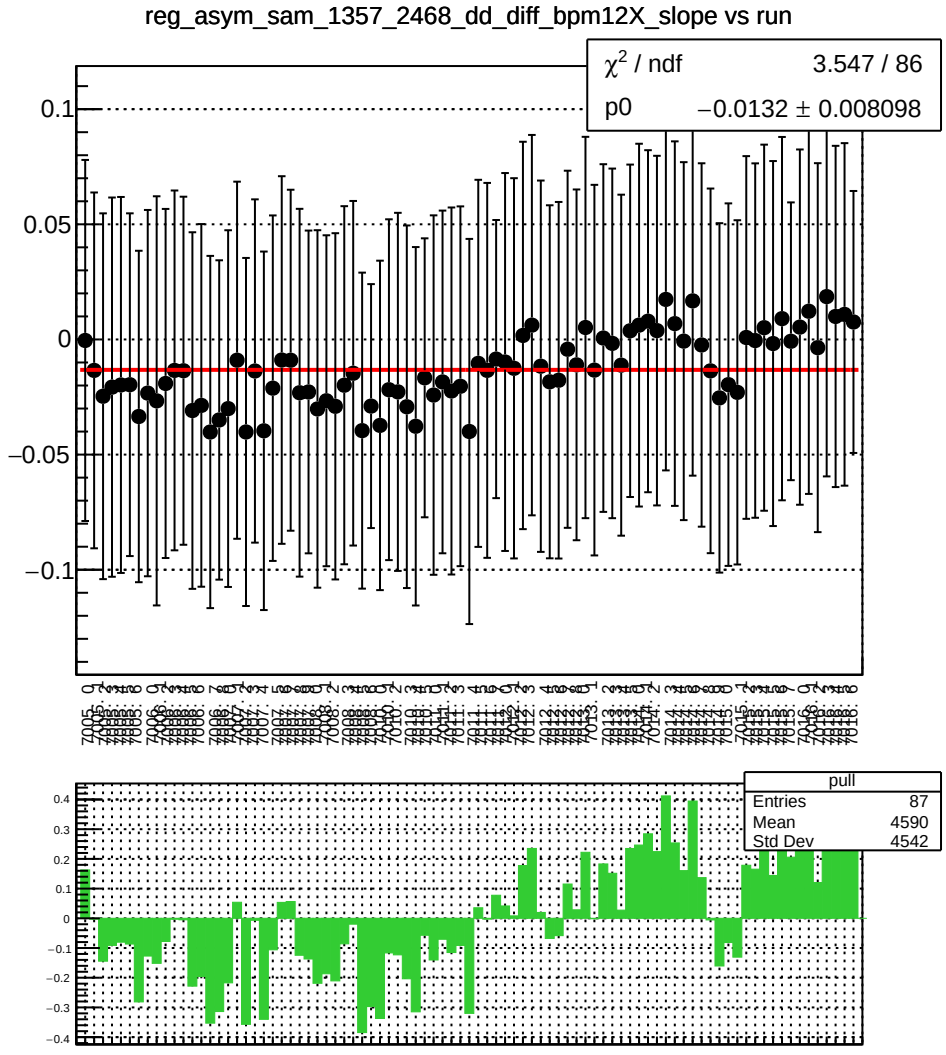

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 4.457 / 86
p0 4.918 ± 0.2432
pull
Entries 87
Mean −346.5
Std Dev 388.8
pull1D
Entries 87
Mean −0.00448
Std Dev 0.2263

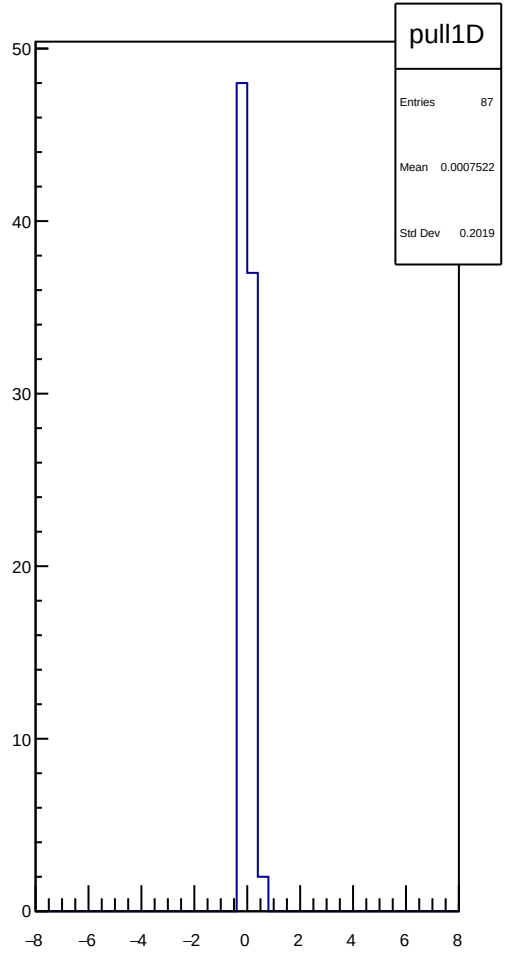

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.445 / 86
p0 1.986 ± 0.166
pull
Entries 87
Mean −222.1
Std Dev 288.5
pull1D
Entries 87
Mean 0.002784
Std Dev 0.1288

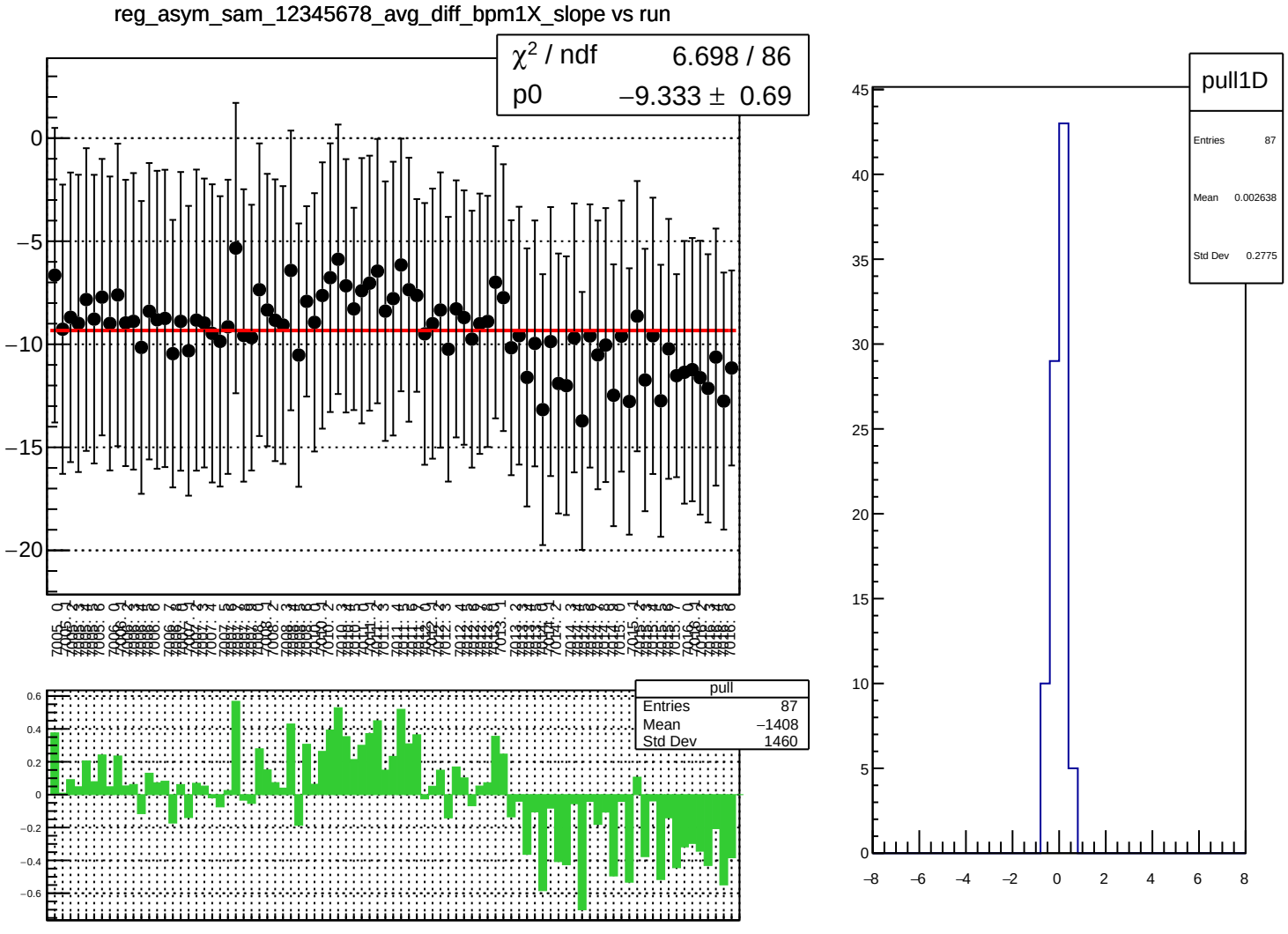

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.474 / 86
p0 18.69 ± 0.2256
pull
Entries 87
Mean −328.6
Std Dev 375.8

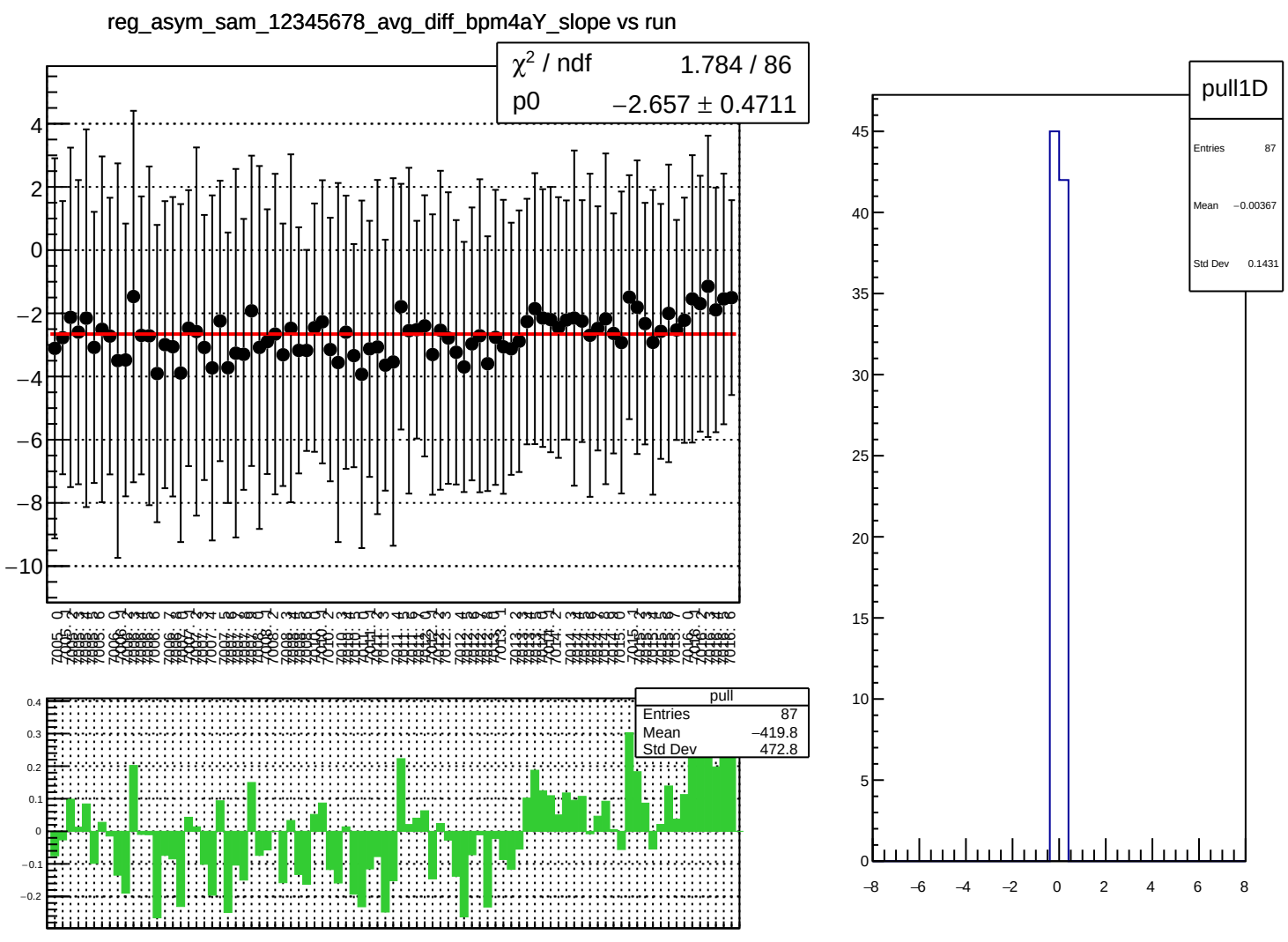

pull1D
Entries 87
Mean 0.0054
Std Dev 0.2931

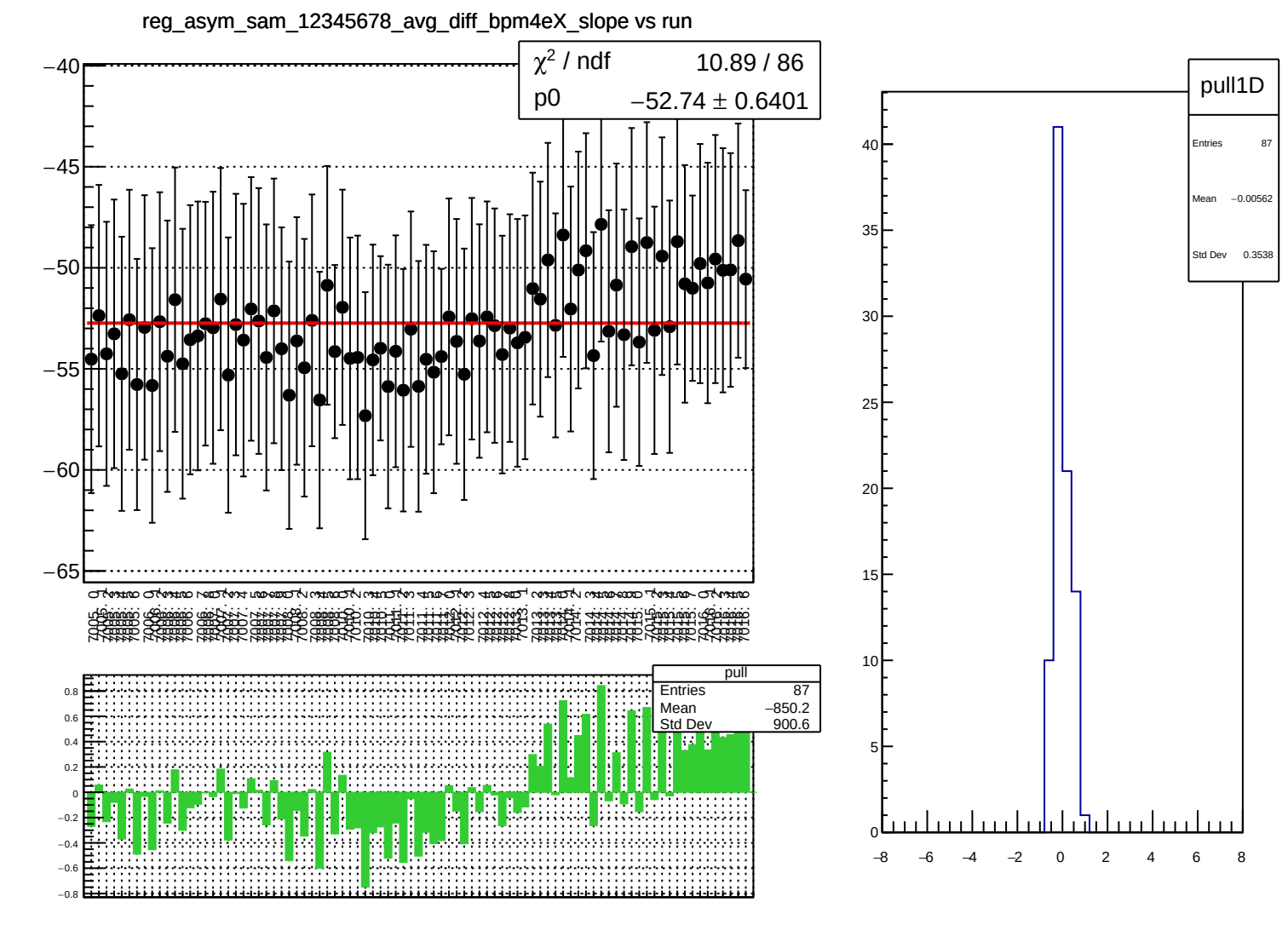

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.17 / 86
p0 −7.176 ± 0.1751
pull
Entries 87
Mean −8542
Std Dev 8642
pull1D
Entries 87
Mean −5.452e−05
Std Dev 0.1579

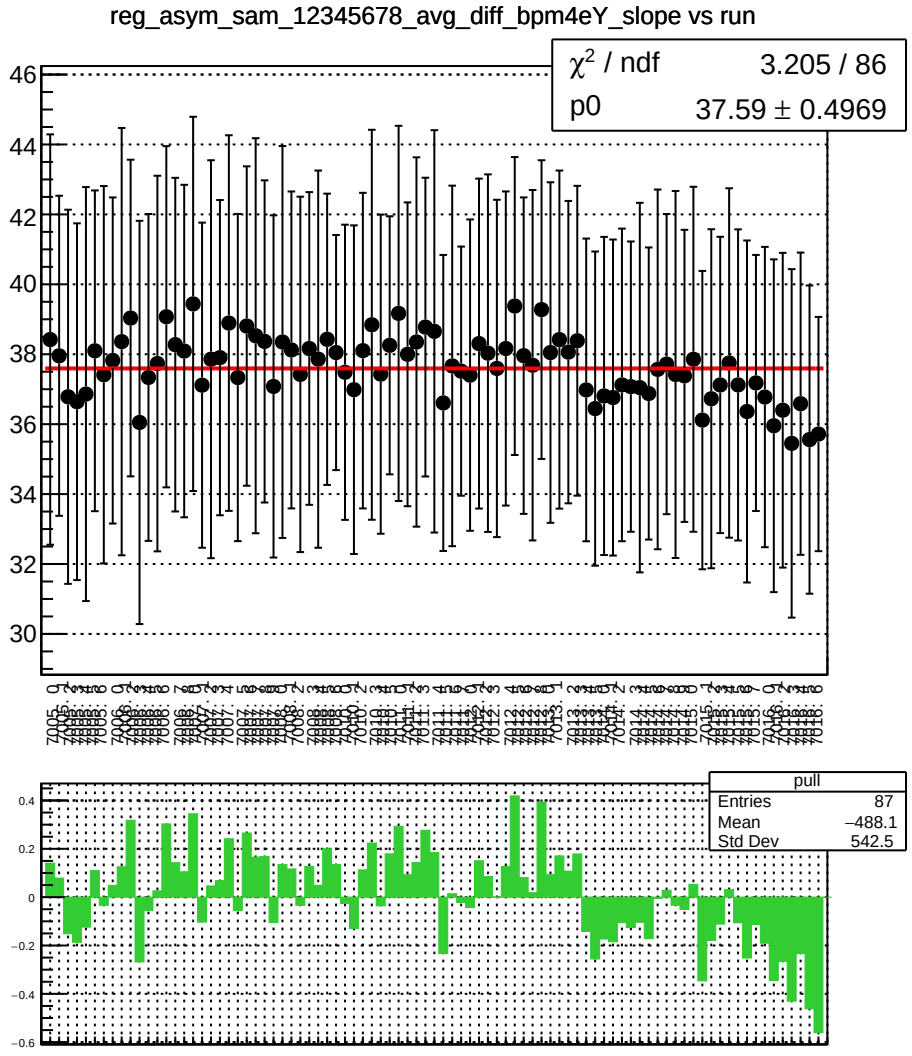

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.547 / 86
p0 −0.0132 ± 0.008098
pull
Entries 87
Mean 4590
Std Dev 4542

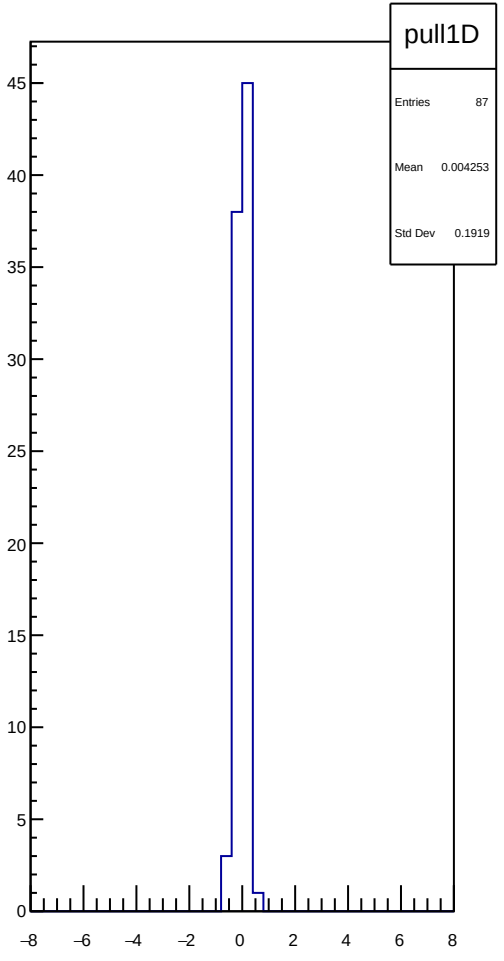

pull1D
Entries 87
Mean 0.0007522
Std Dev 0.2019

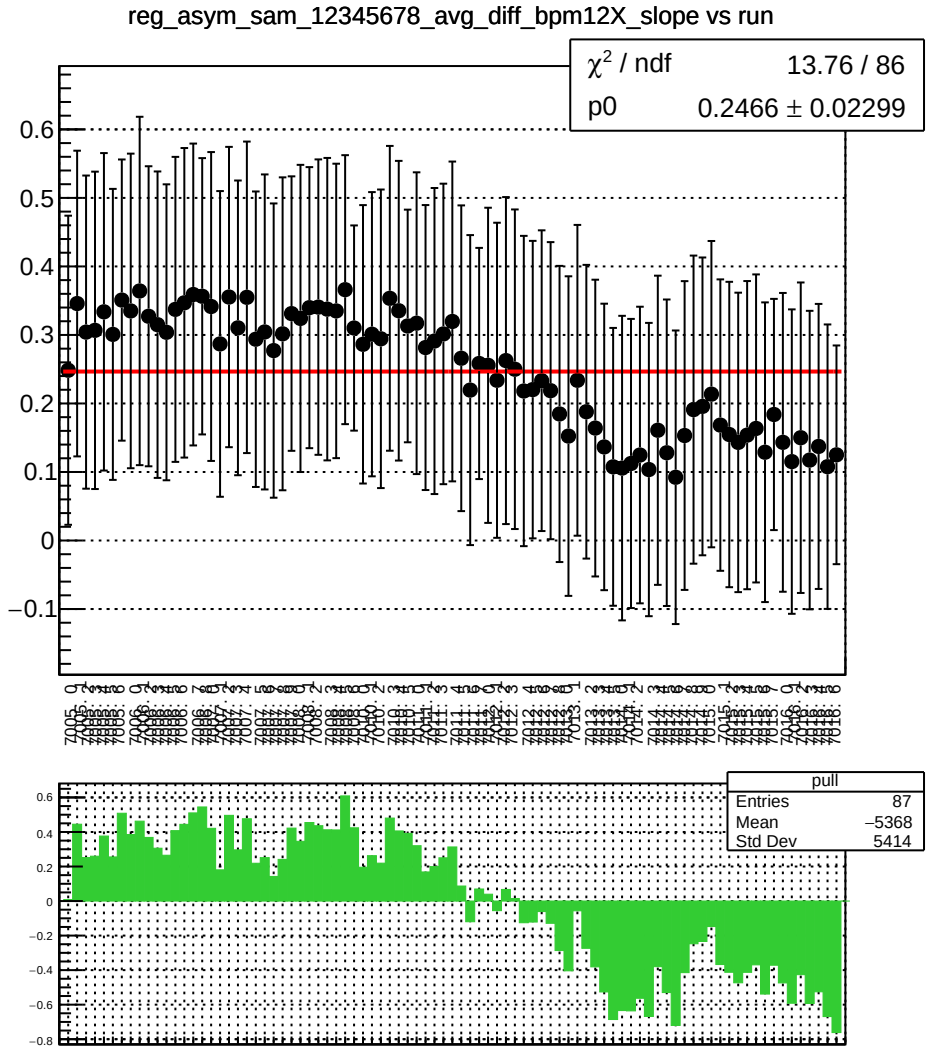

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 6.698 / 86
p0 −9.333 ± 0.69
pull
Entries 87
Mean −1408
Std Dev 1460
pull1D
Entries 87
Mean 0.002638
Std Dev 0.2775

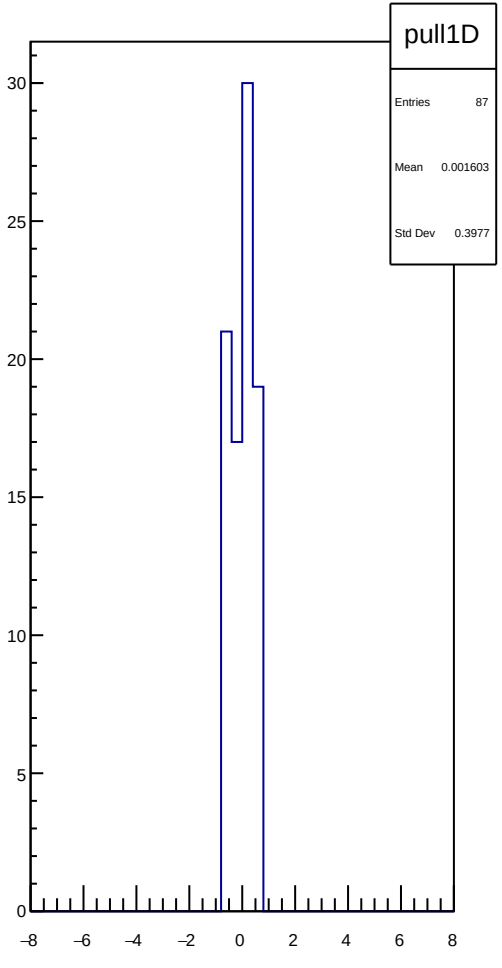

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.784 / 86
p0 −2.657 ± 0.4711
pull
Entries 87
Mean −419.8
Std Dev 472.8
pull1D
Entries 87
Mean −0.00367
Std Dev 0.1431

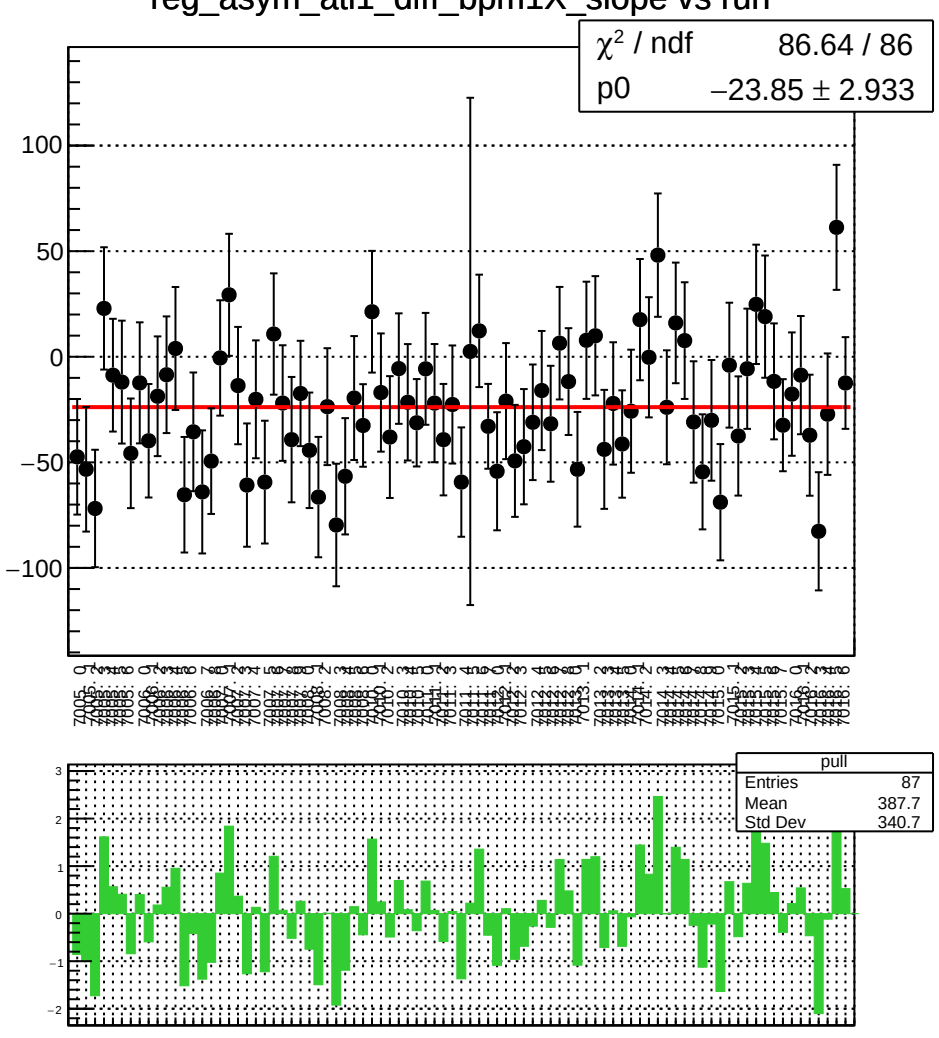

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.89 / 86
p0 −52.74 ± 0.6401
pull
Entries 87
Mean −850.2
Std Dev 900.6
pull1D
Entries 87
Mean −0.00562
Std Dev 0.3538

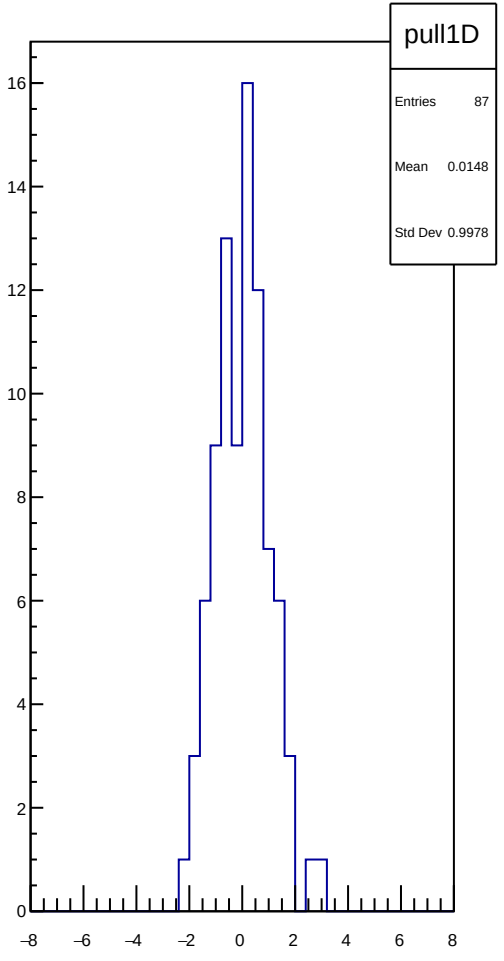

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.205 / 86
p0 37.59 ± 0.4969
pull
Entries 87
Mean −488.1
Std Dev 542.5

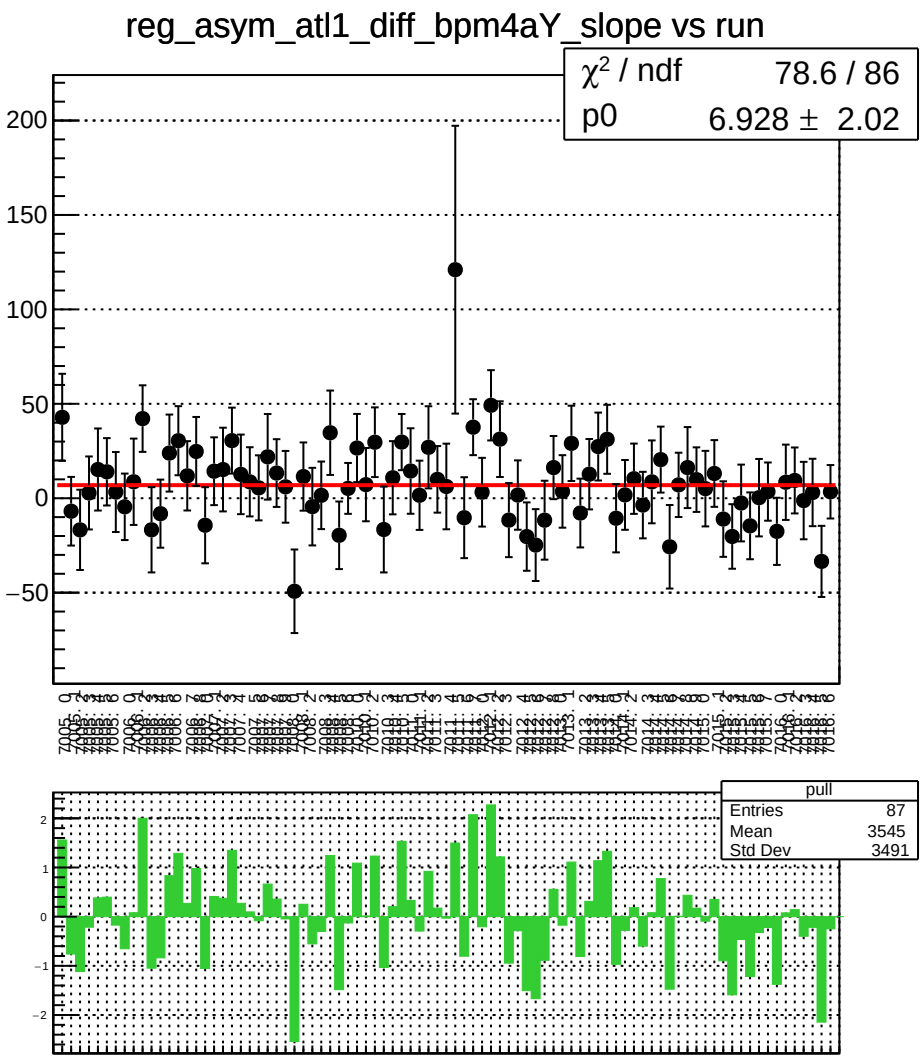

pull1D
Entries 87
Mean 0.004253
Std Dev 0.1919

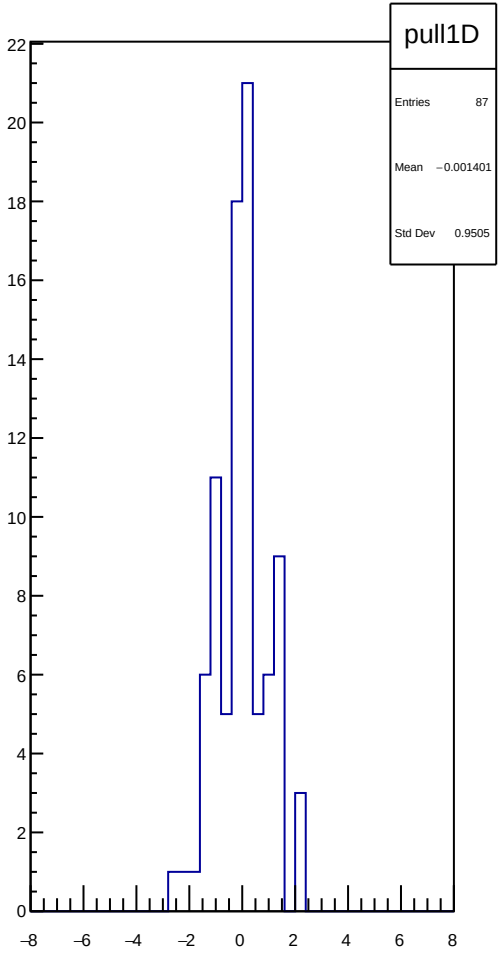

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 13.76 / 86
p0 0.2466 ± 0.02299
pull
Entries 87
Mean −5368
Std Dev 5414

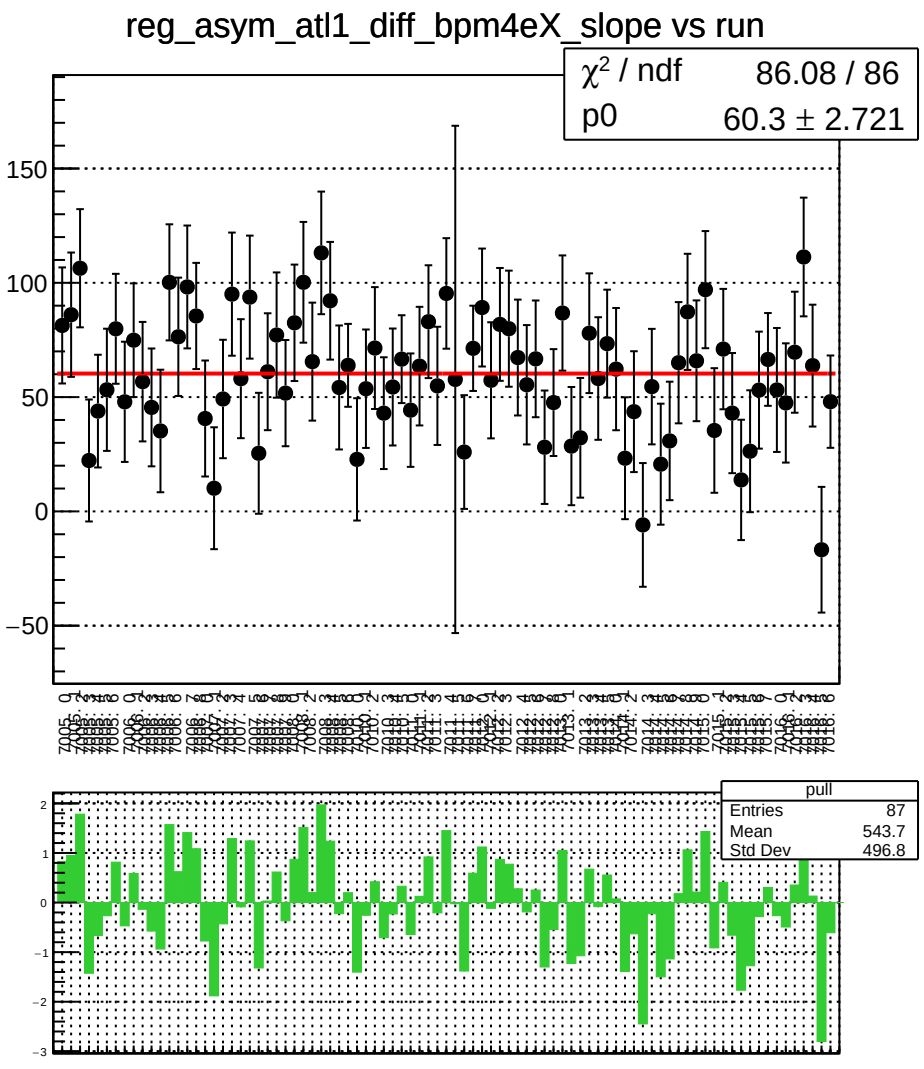

pull1D
Entries 87
Mean 0.001603
Std Dev 0.3977

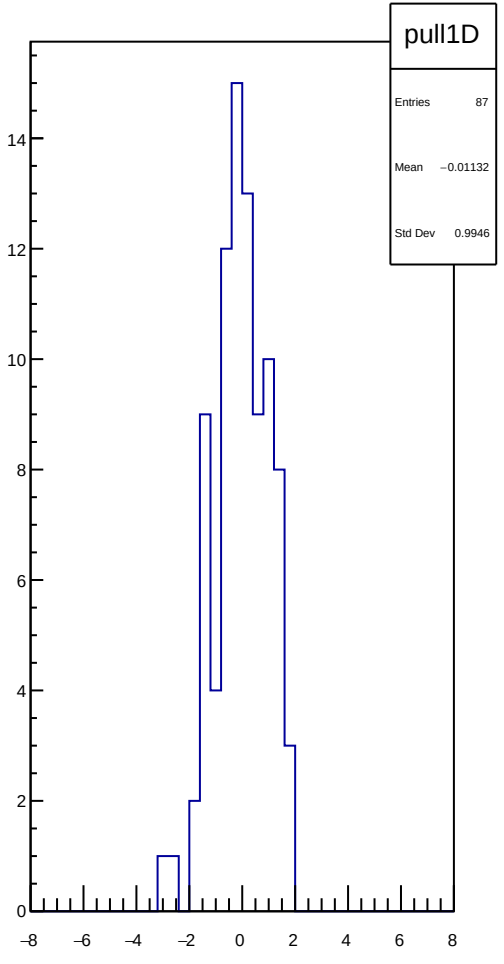

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 86.64 / 86
p0 −23.85 ± 2.933
pull
Entries 87
Mean 387.7
Std Dev 340.7

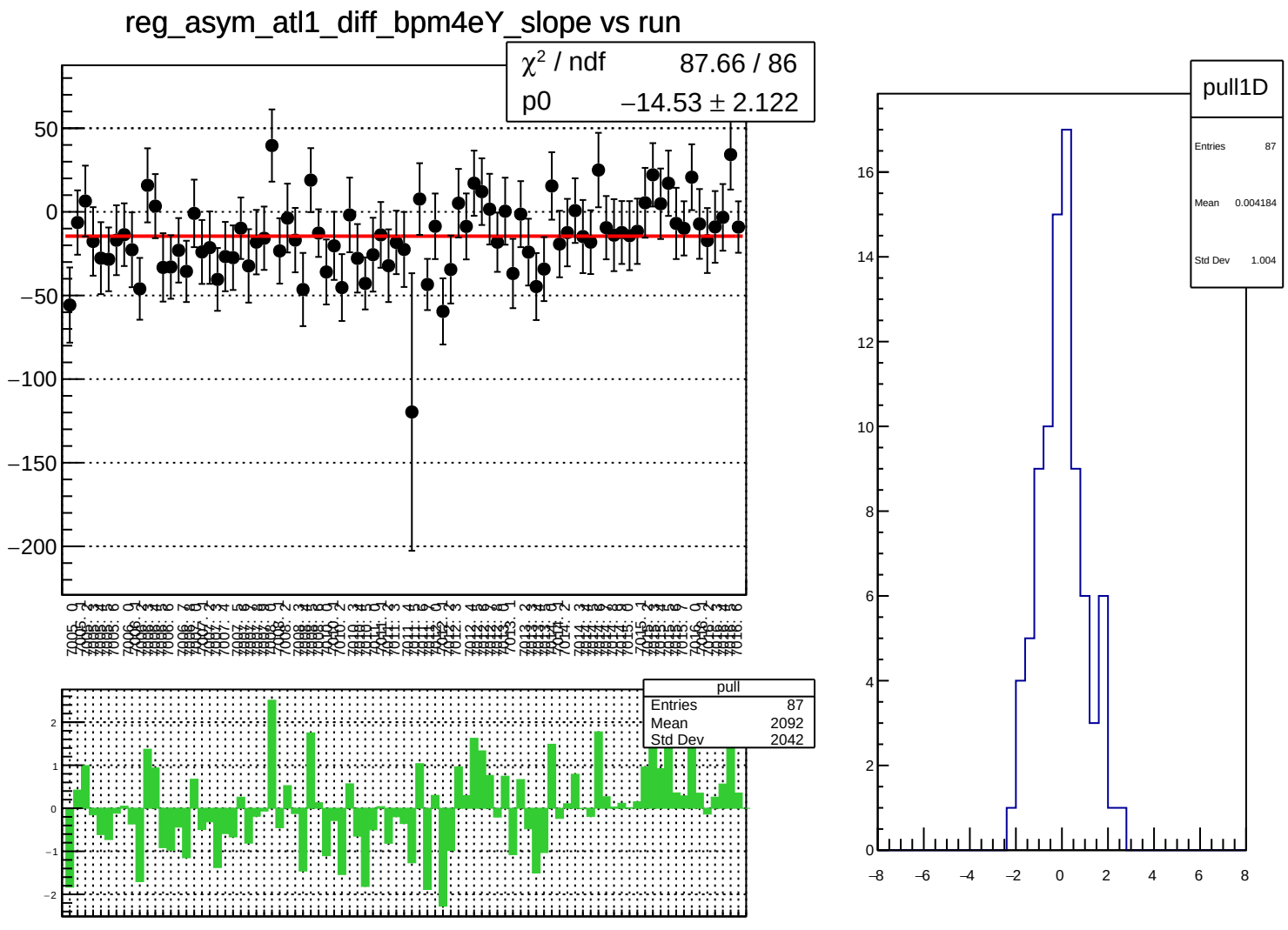

pull1D
Entries 87
Mean 0.0148
Std Dev 0.9978

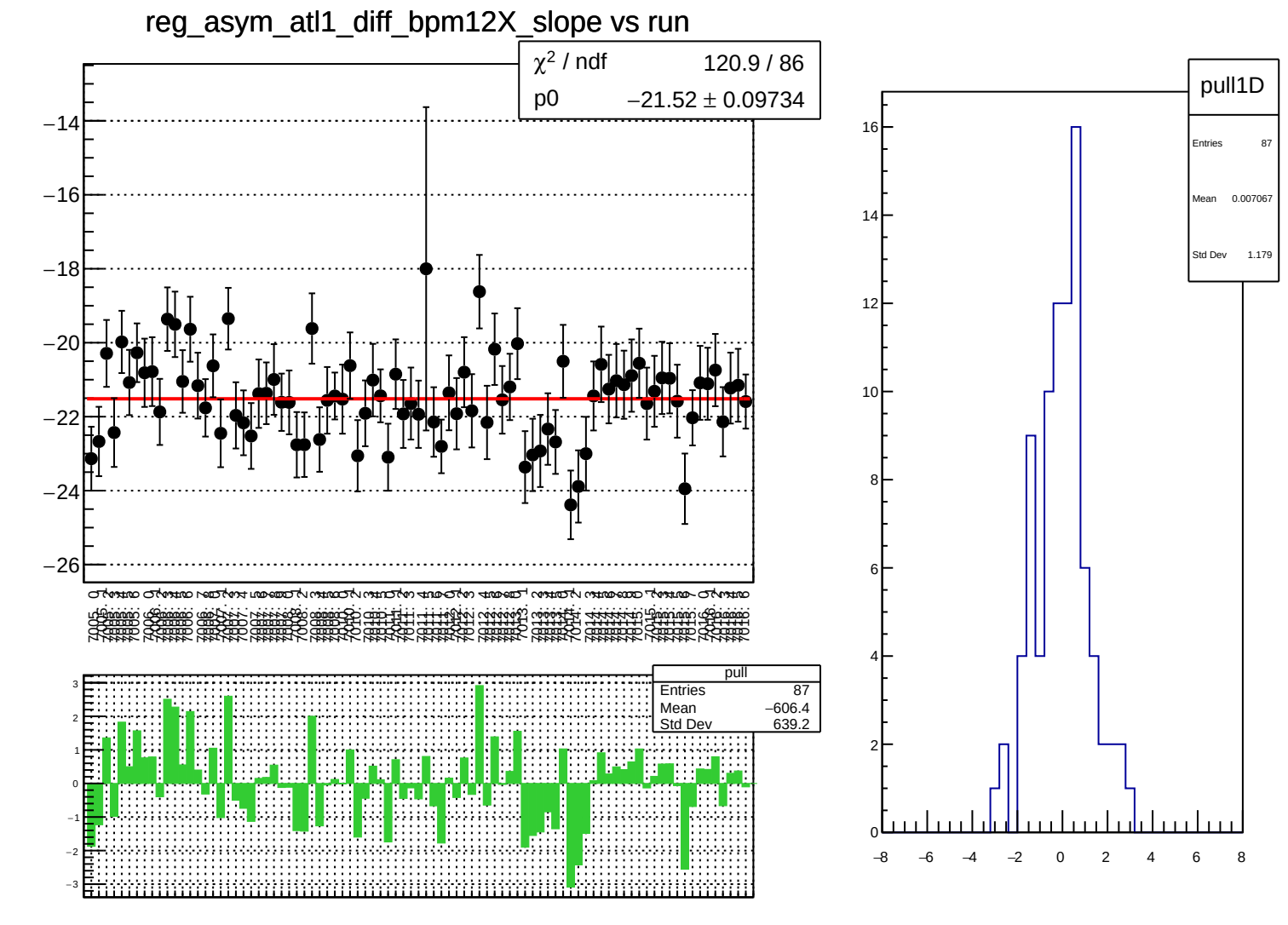

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 78.6 / 86
p0 6.928 ± 2.02
200
150
100
50
0
−50
pull
Entries 87
Mean 3545
Std Dev 3491
2
1
0
−1
−2

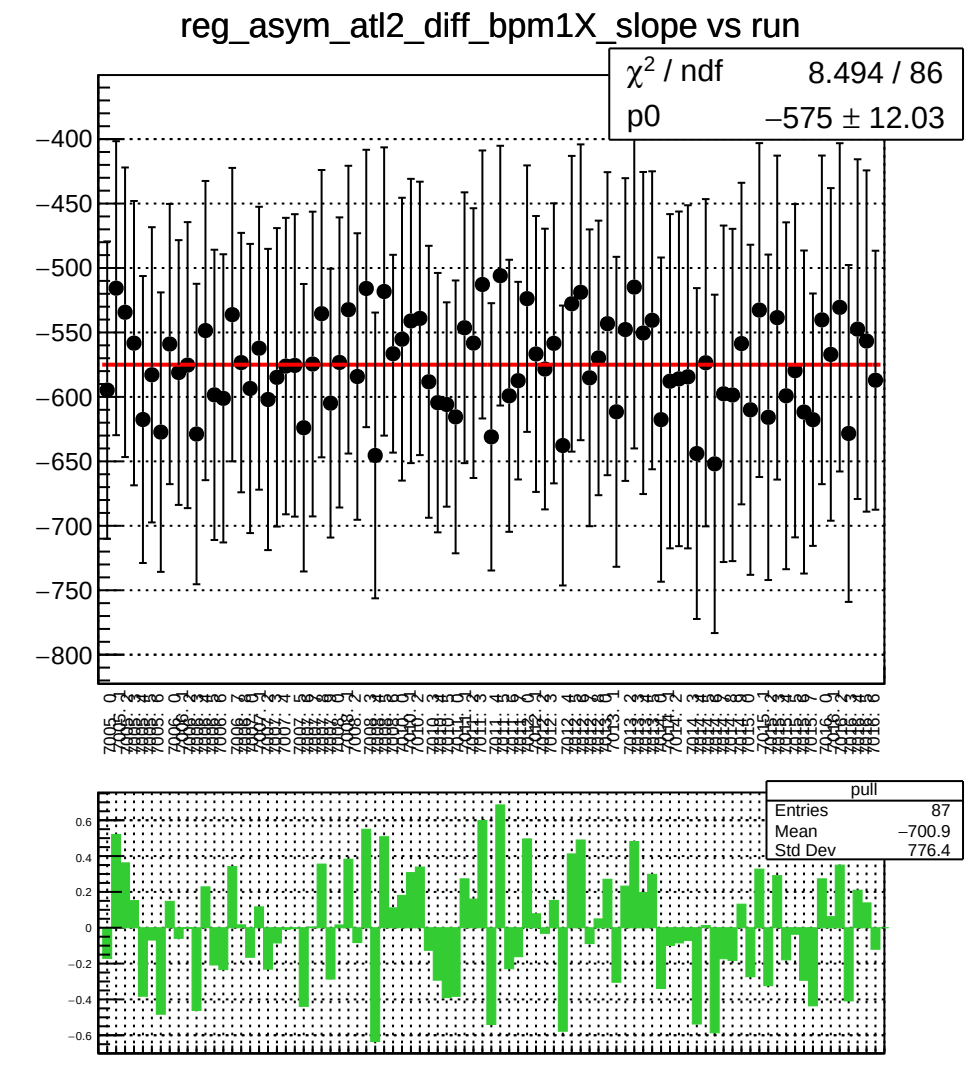

pull1D
Entries 87
Mean −0.001401
Std Dev 0.9505
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

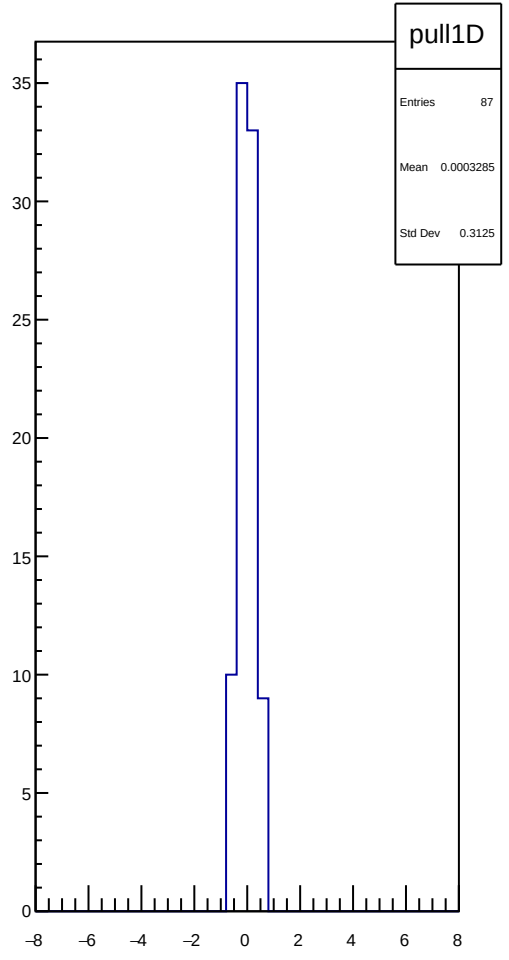

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 86.08 / 86
p0 60.3 ± 2.721
150
100
50
0
−50
pull
Entries 87
Mean 543.7
Std Dev 496.8
2
1
0
−1
−2
−3

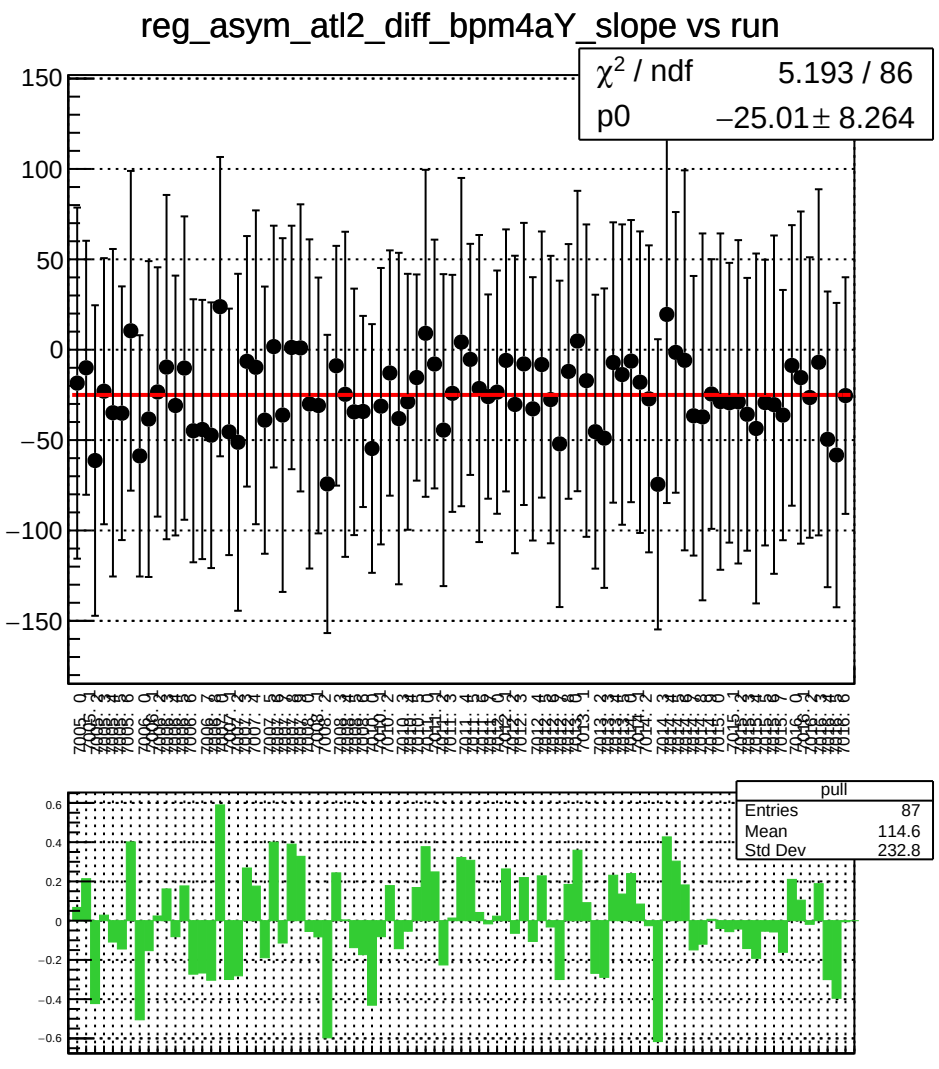

pull1D
Entries 87
Mean −0.01132
Std Dev 0.9946
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

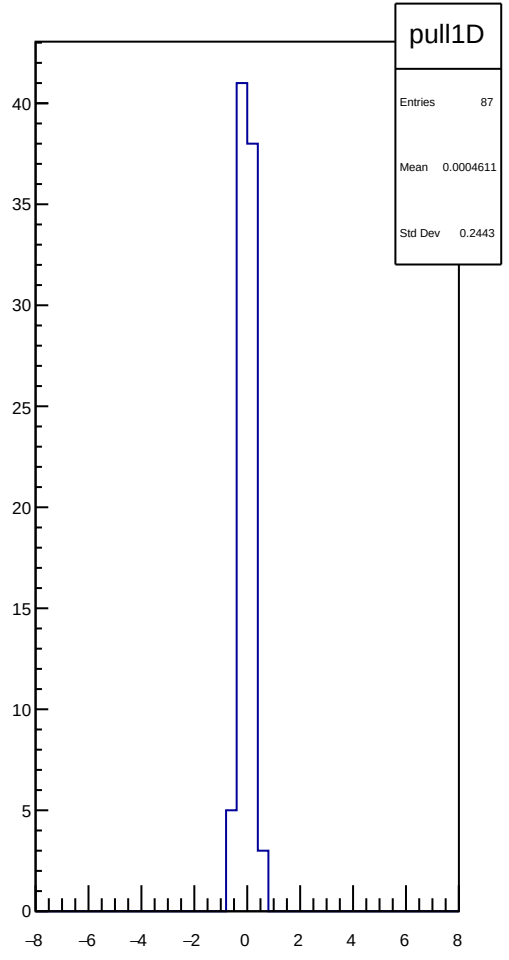

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 87.66 / 86
p0 −14.53 ± 2.122
50
0
−50
−100
−150
−200
pull
Entries 87
Mean 2092
Std Dev 2042
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.004184
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

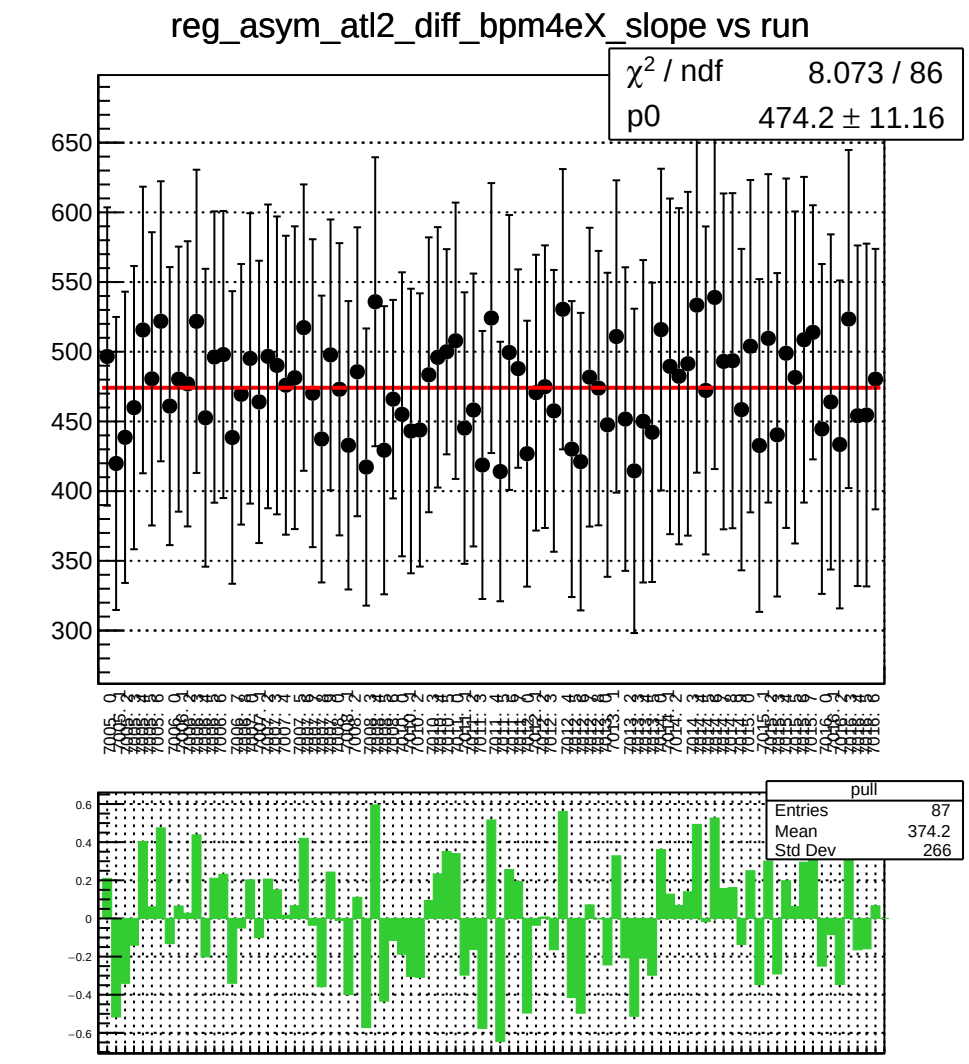

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 120.9 / 86
p0 −21.52 ± 0.09734
pull
Entries 87
Mean −606.4
Std Dev 639.2
pull1D
Entries 87
Mean 0.007067
Std Dev 1.179

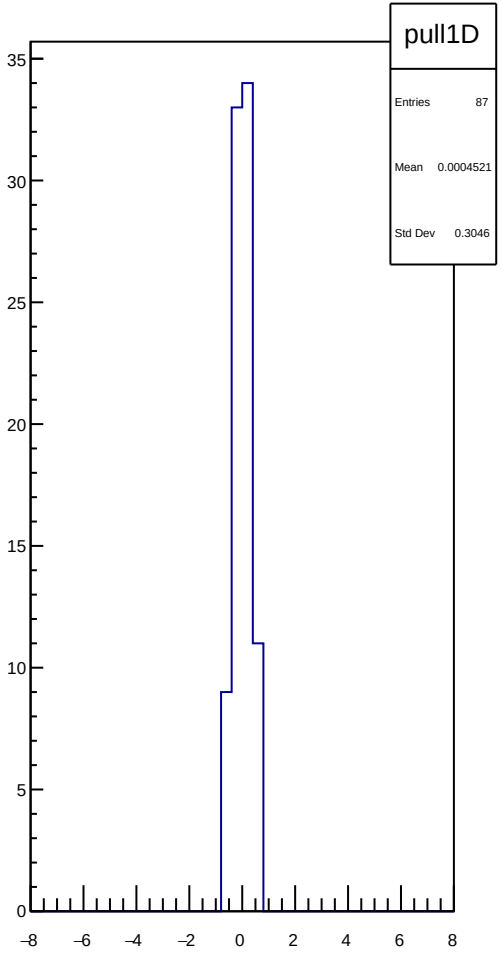

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 8.494 / 86
p0 −575 ± 12.03
−400
−450
−500
−550
−600
−650
−700
−750
−800
pull
Entries 87
Mean −700.9
Std Dev 776.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

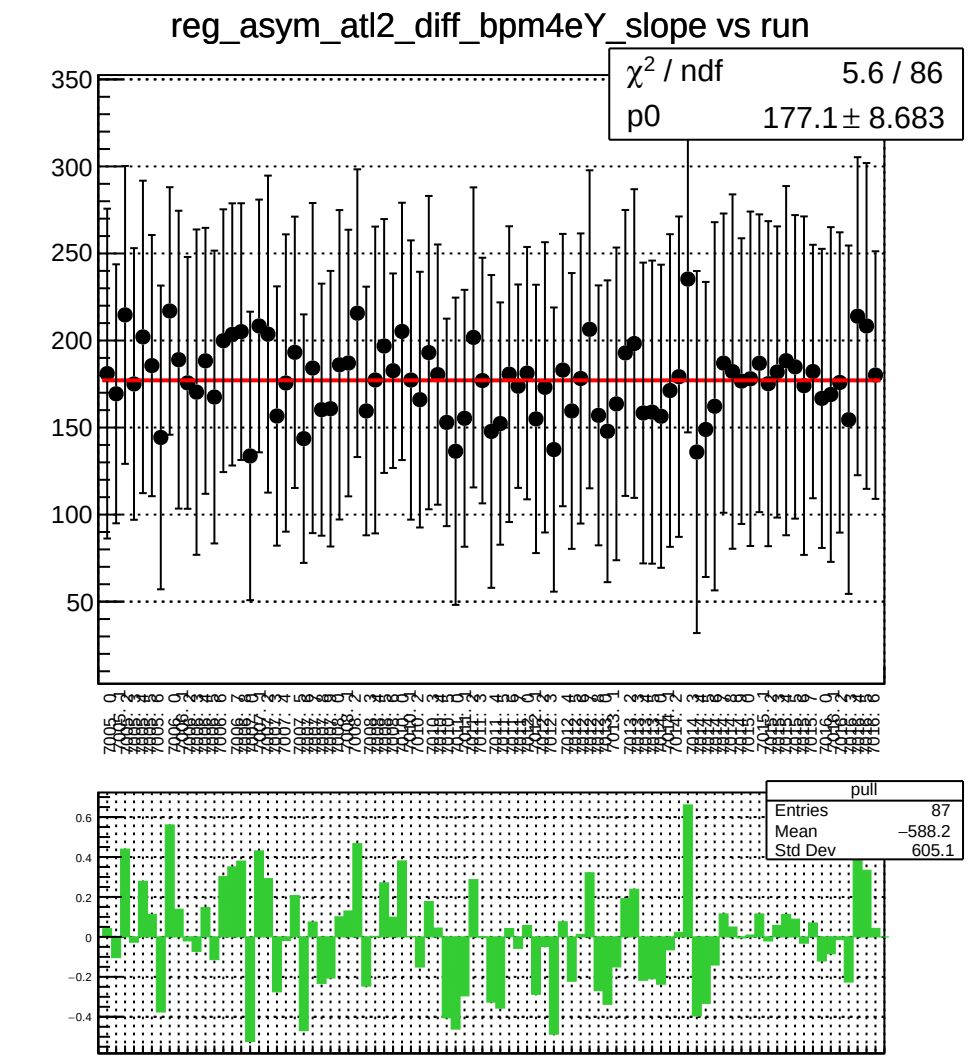

pull1D
Entries 87
Mean 0.0003285
Std Dev 0.3125
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

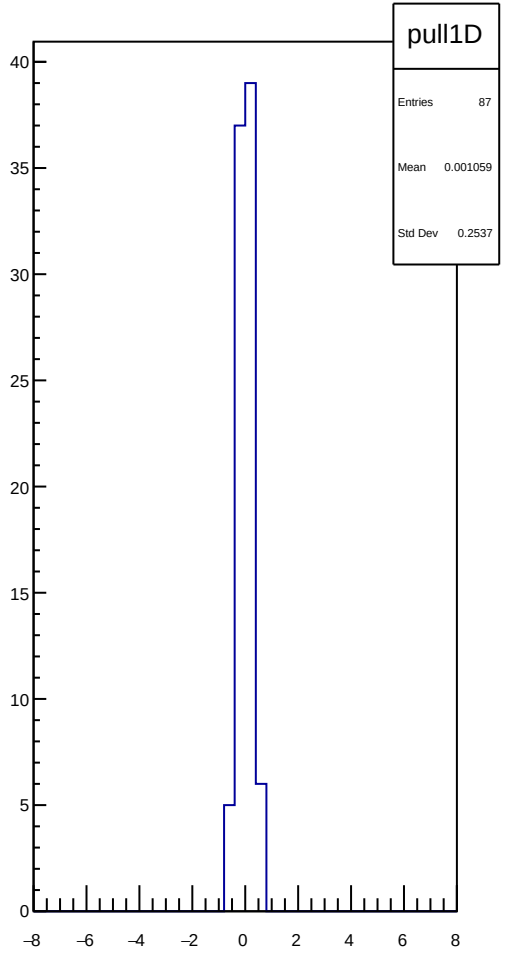

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.193 / 86
p0 −25.01 ± 8.264
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean 114.6
Std Dev 232.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

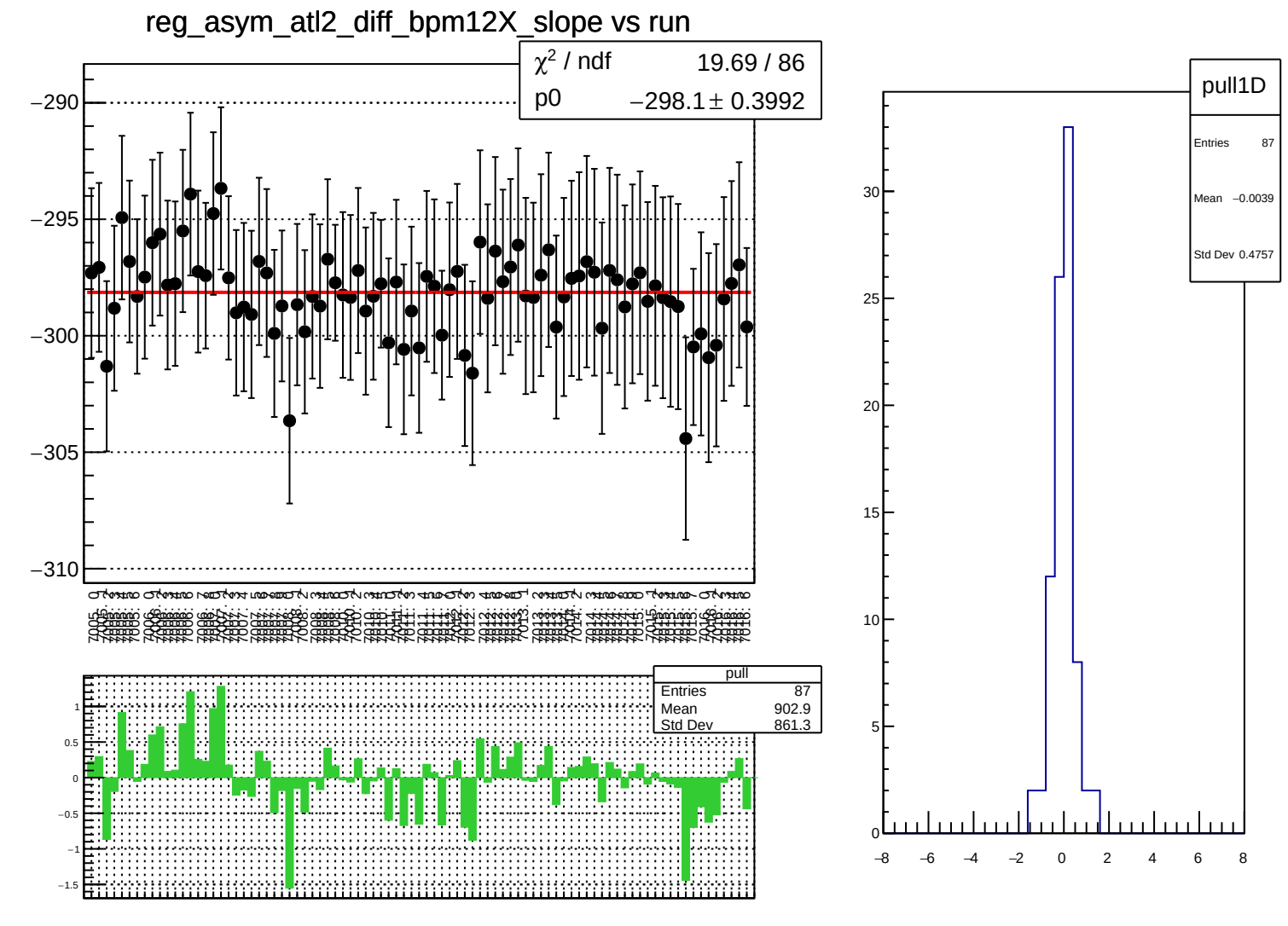

pull1D
Entries 87
Mean 0.0004611
Std Dev 0.2443
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

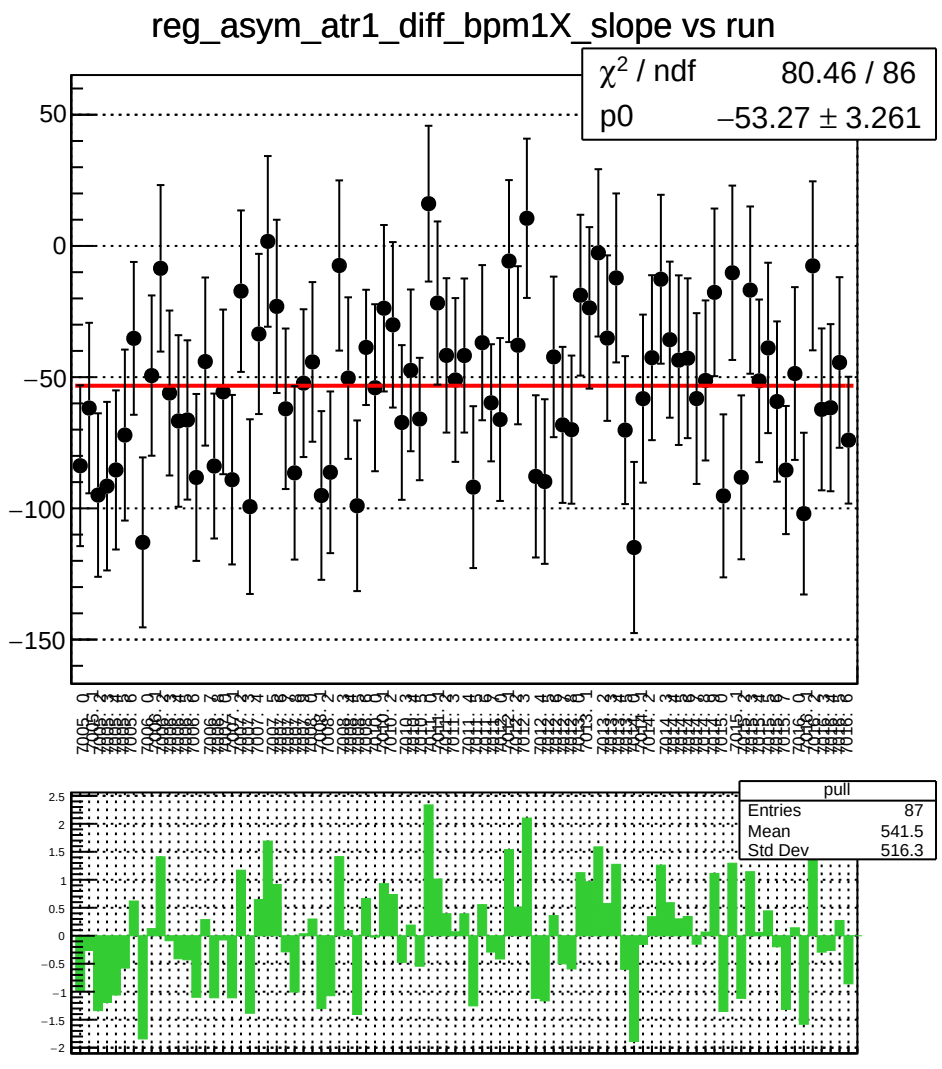

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 8.073 / 86
p0 474.2 ± 11.16
650
600
550
500
450
400
350
300
pull
Entries 87
Mean 374.2
Std Dev 266
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

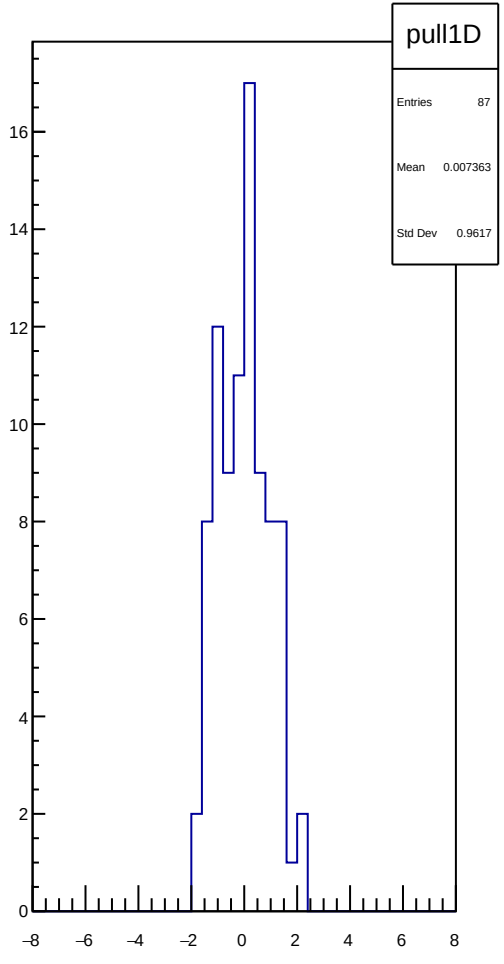

pull1D
Entries 87
Mean 0.0004521
Std Dev 0.3046
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

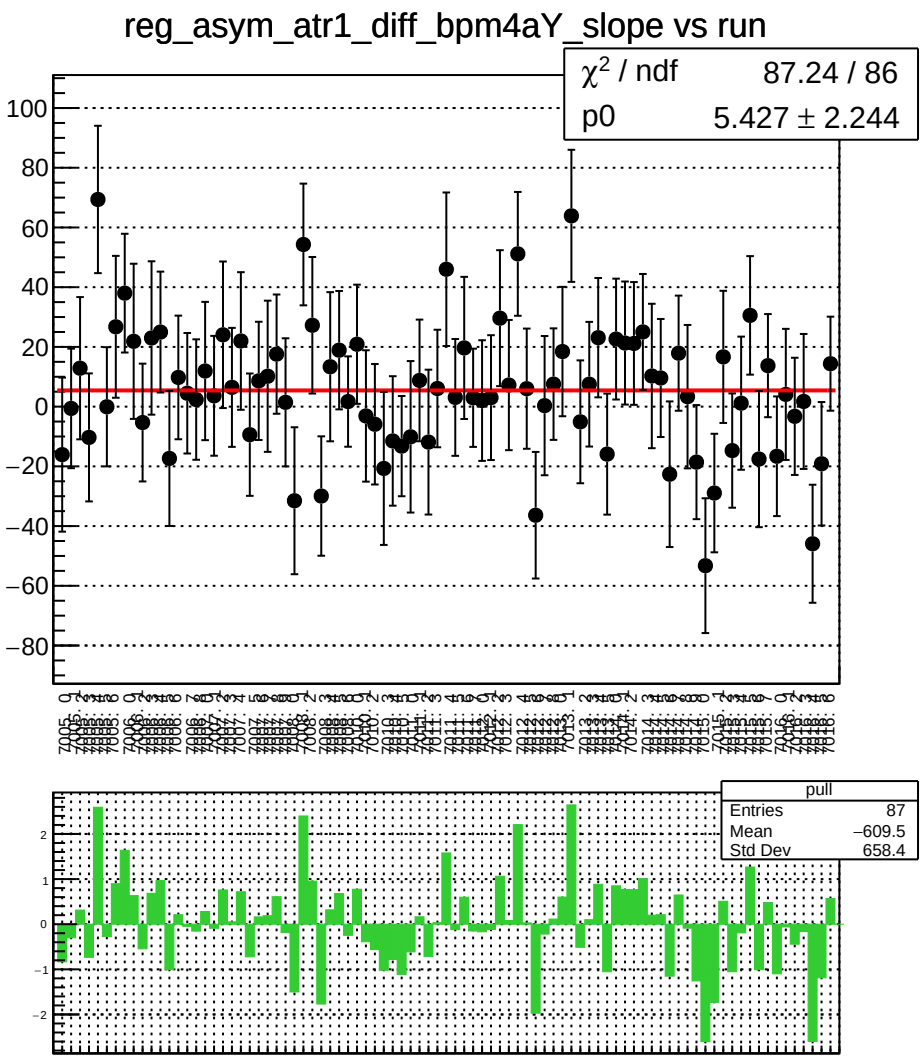

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.6 / 86
p0 177.1 ± 8.683
pull
Entries 87
Mean −588.2
Std Dev 605.1

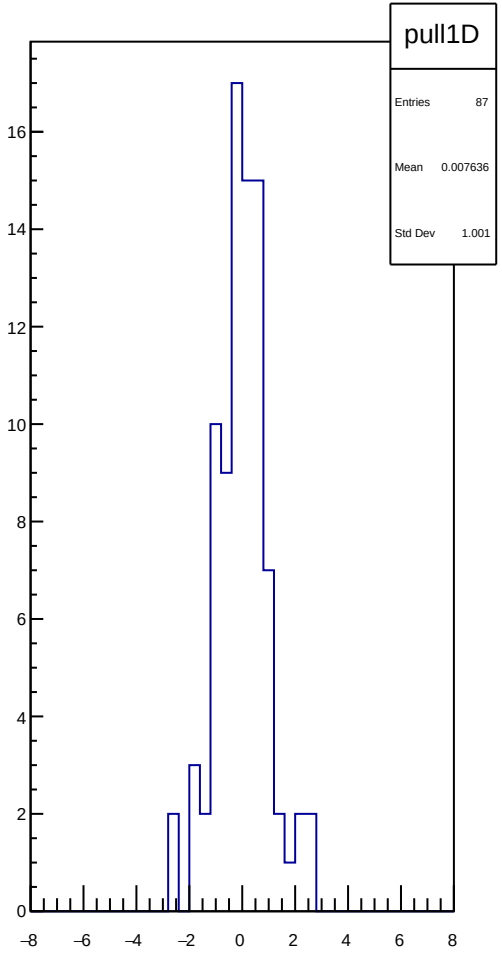

pull1D
Entries 87
Mean 0.001059
Std Dev 0.2537

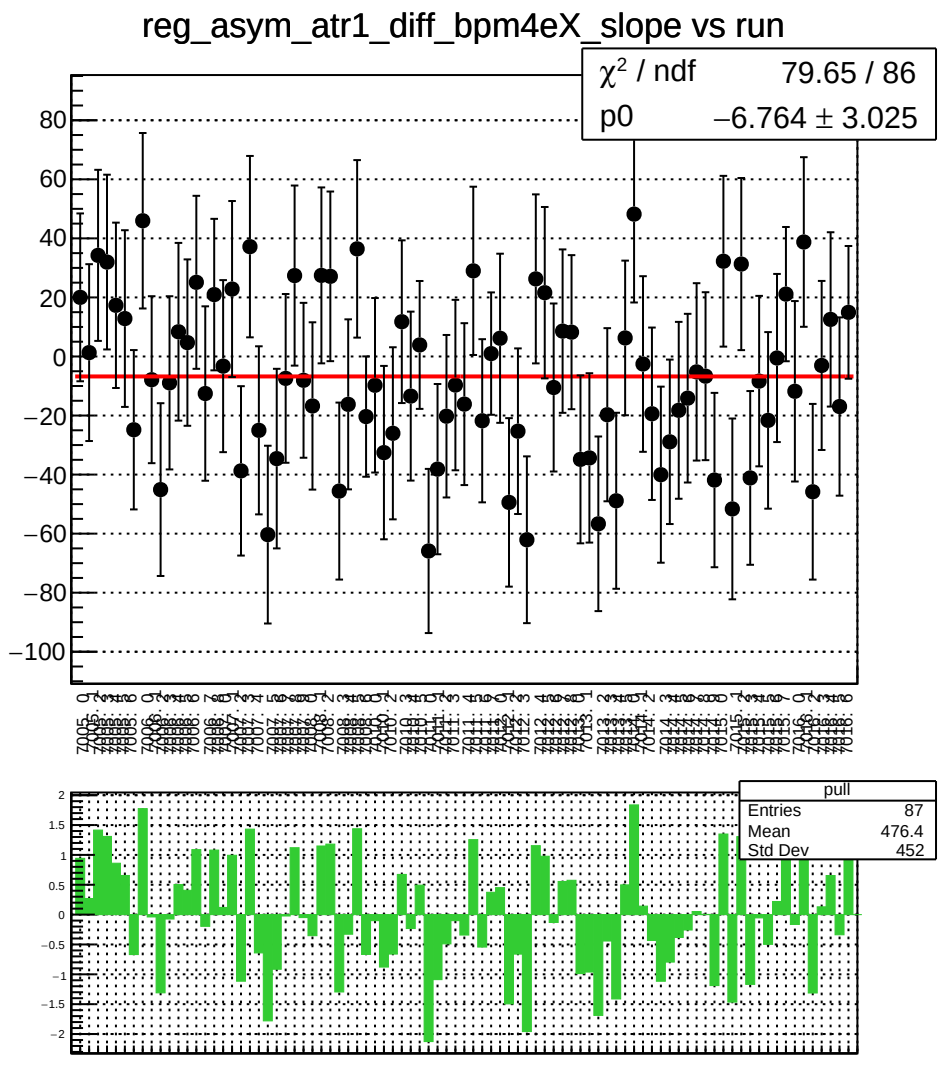

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 19.69 / 86
p0 −298.1 ± 0.3992
−290
−295
−300
−305
−310
pull
Entries 87
Mean 902.9
Std Dev 861.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.0039
Std Dev 0.4757
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

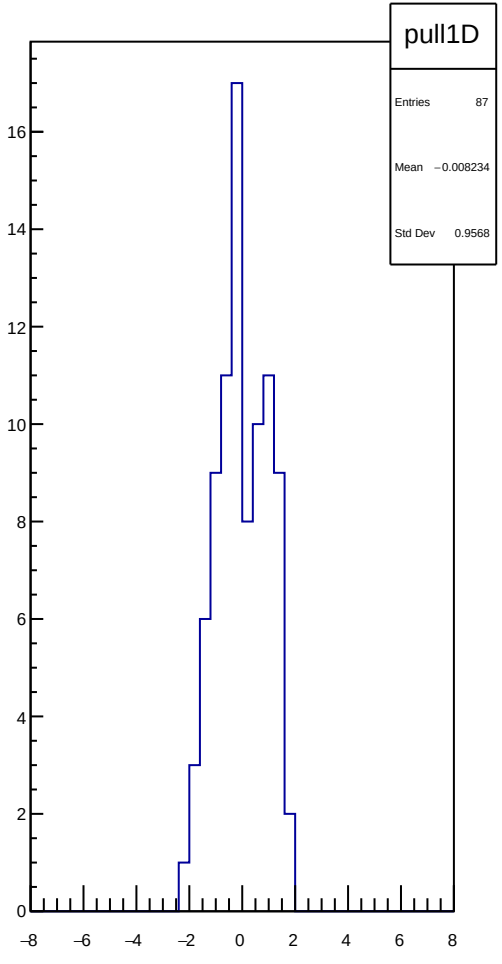

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 80.46 / 86
p0 −53.27 ± 3.261
50
0
−50
−100
−150
pull
Entries 87
Mean 541.5
Std Dev 516.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

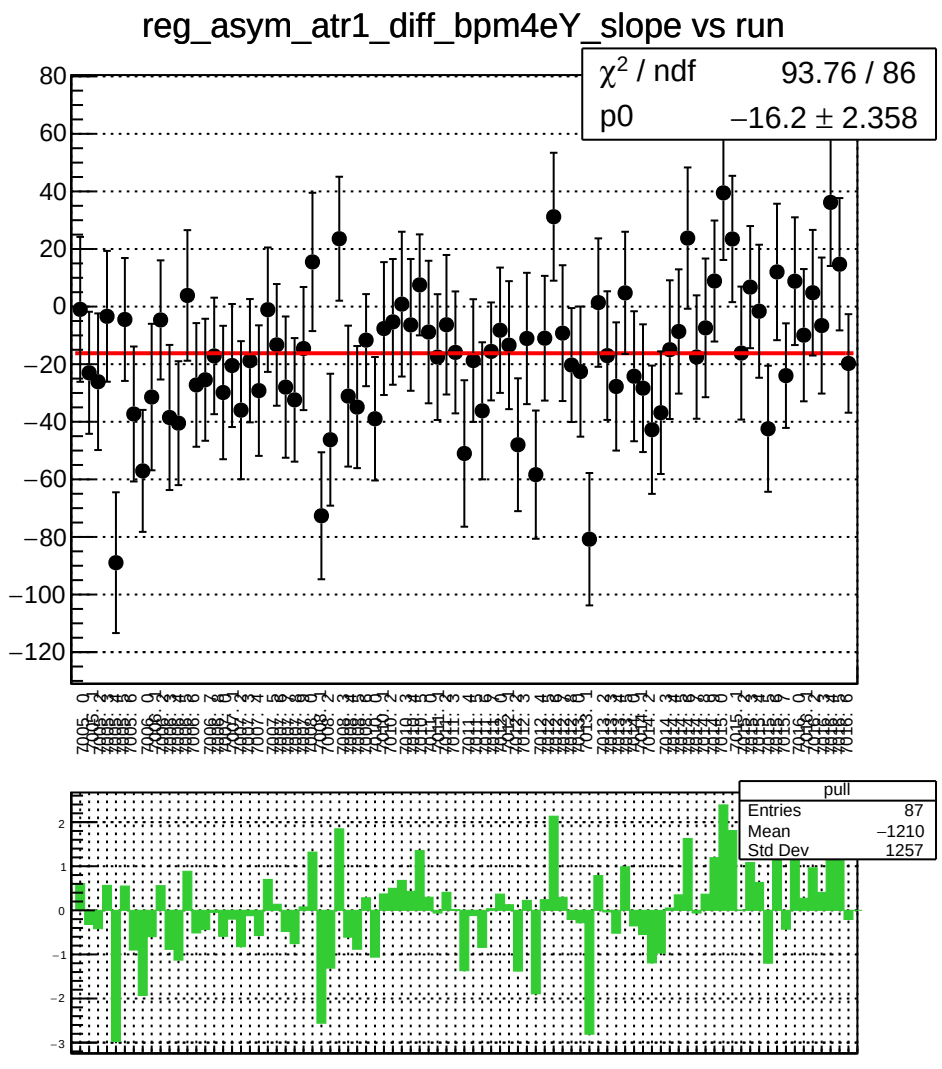

pull1D
Entries 87
Mean 0.007363
Std Dev 0.9617
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

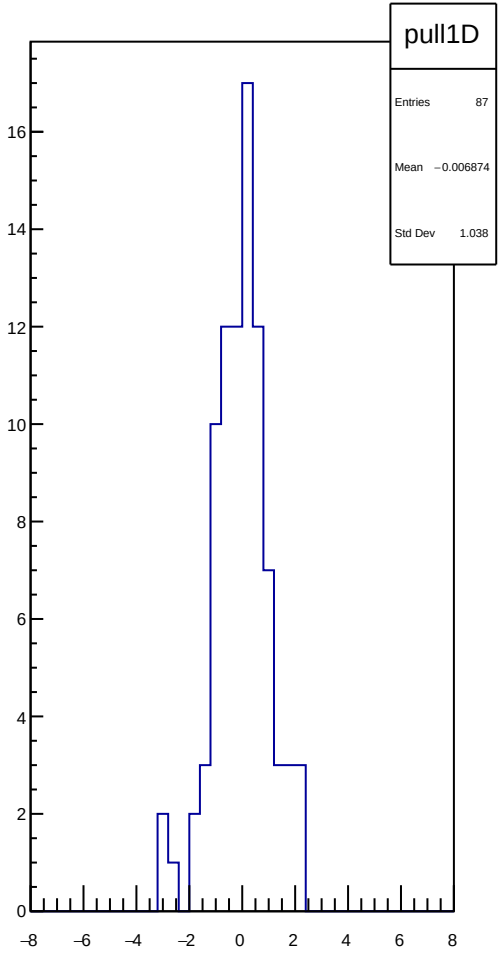

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 87.24 / 86
p0 5.427 ± 2.244
pull
Entries 87
Mean −609.5
Std Dev 658.4

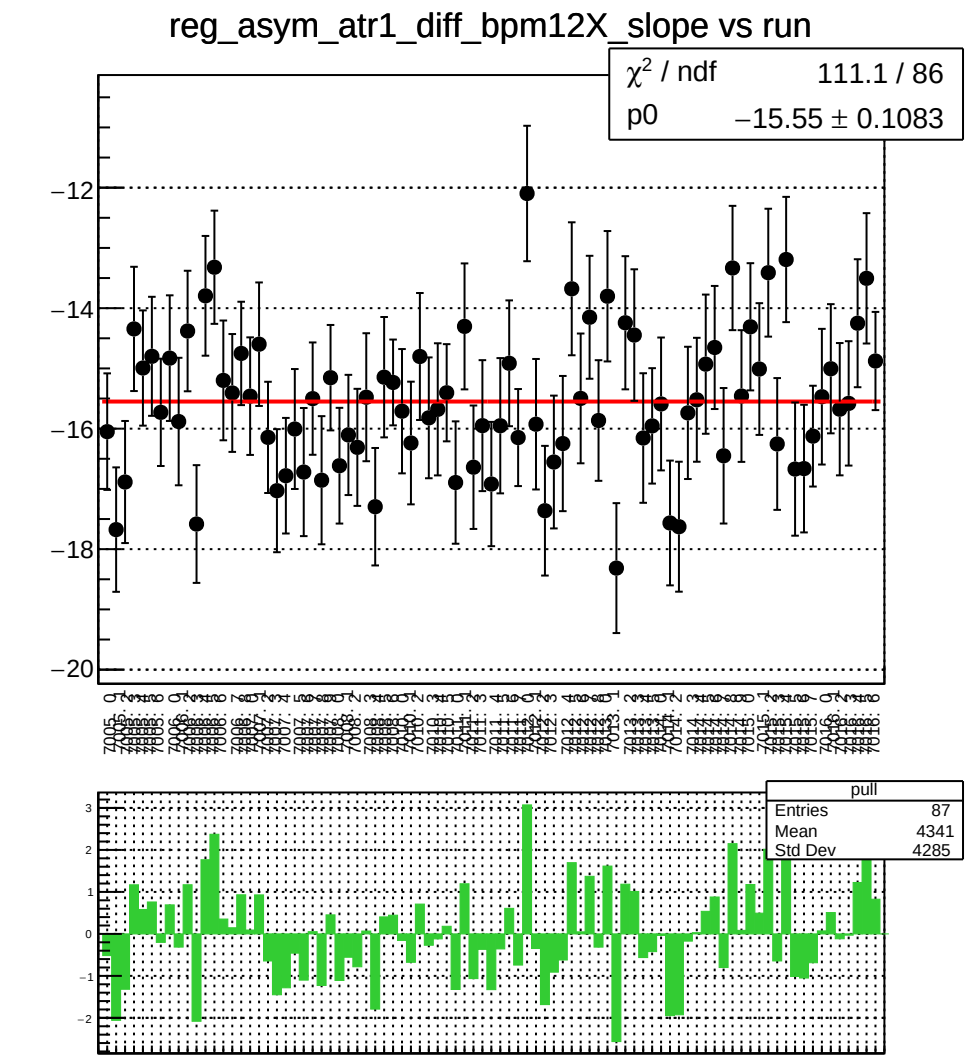

pull1D
Entries 87
Mean 0.007636
Std Dev 1.001

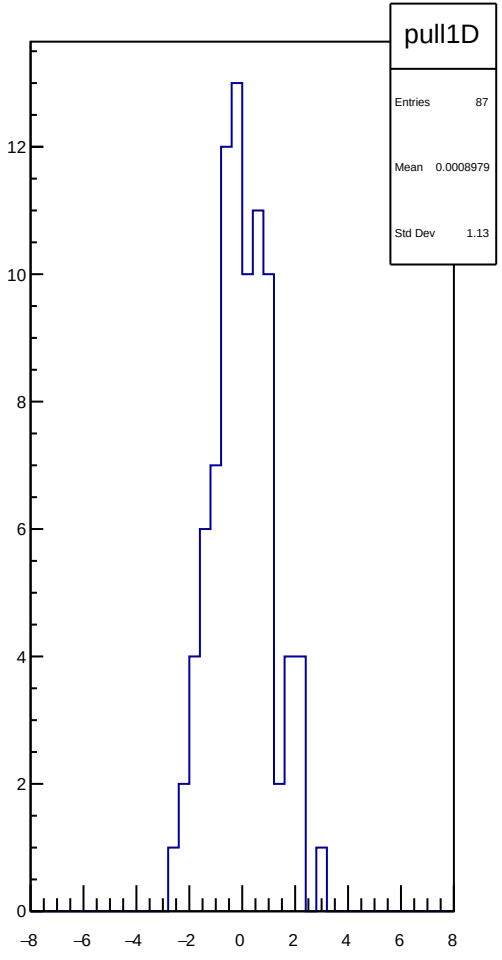

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.65 / 86
p0 −6.764 ± 3.025
pull
Entries 87
Mean 476.4
Std Dev 452

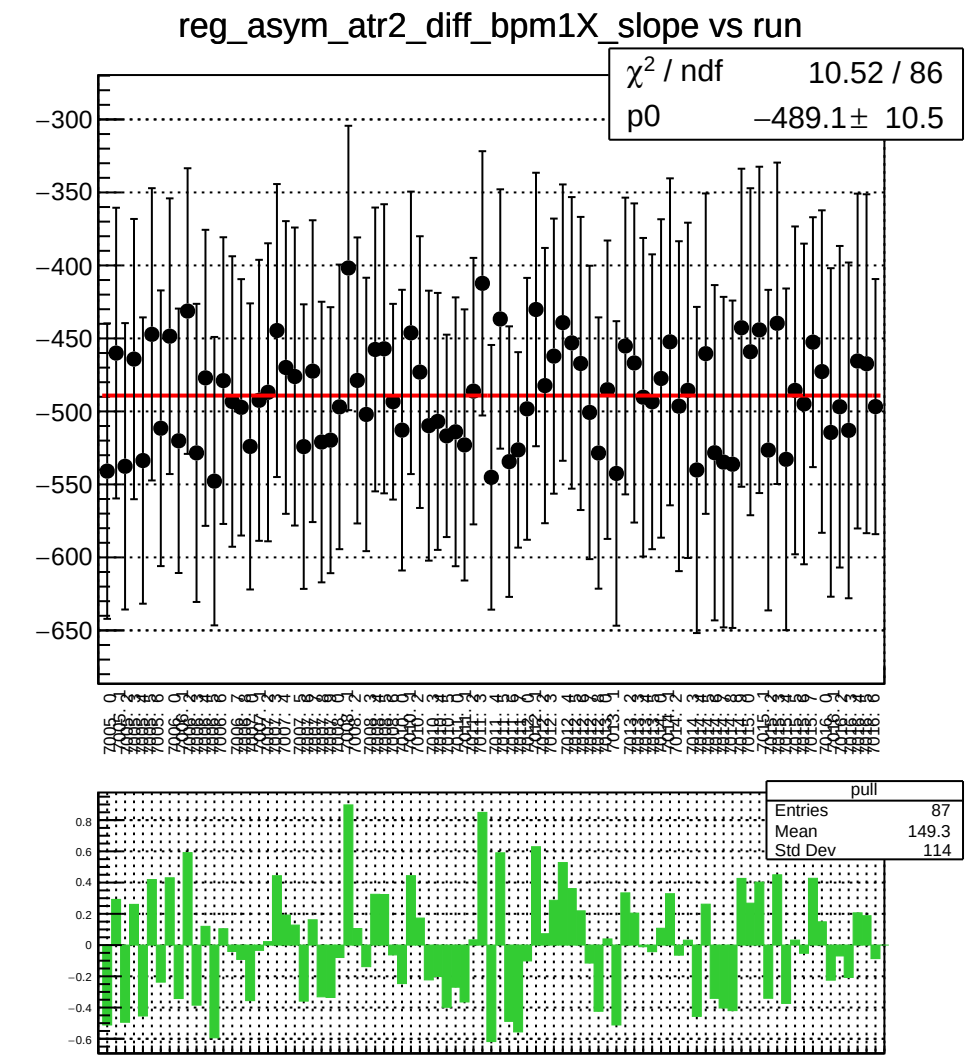

pull1D
Entries 87
Mean −0.008234
Std Dev 0.9568

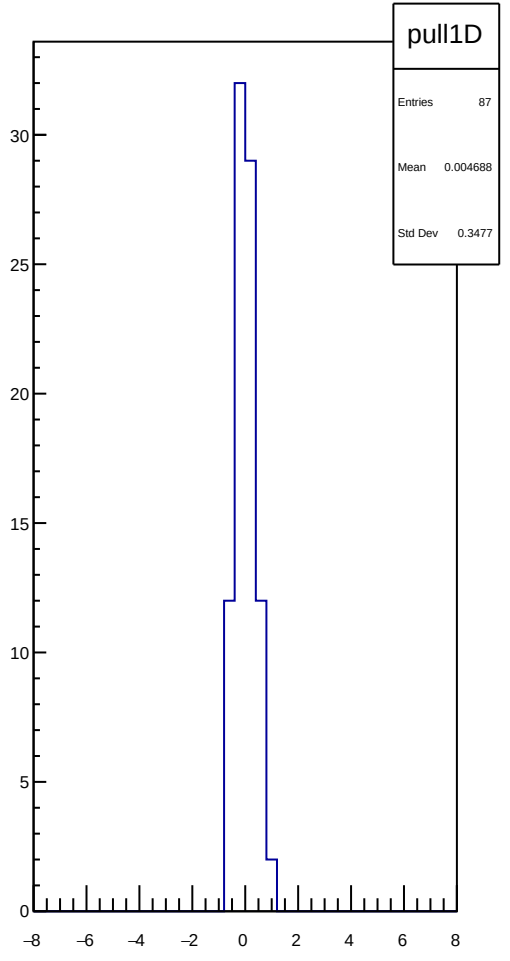

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 93.76 / 86
p0 −16.2 ± 2.358
pull
Entries 87
Mean −1210
Std Dev 1257

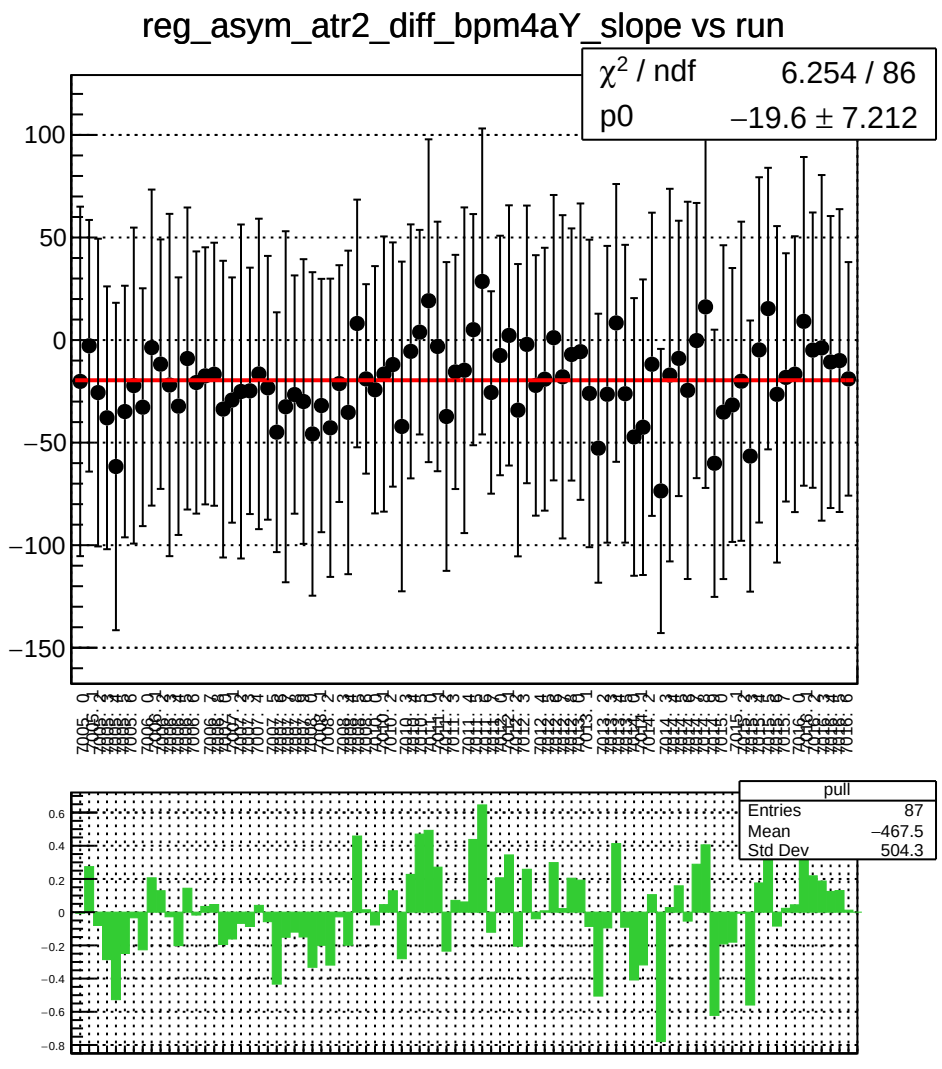

pull1D
Entries 87
Mean −0.006874
Std Dev 1.038

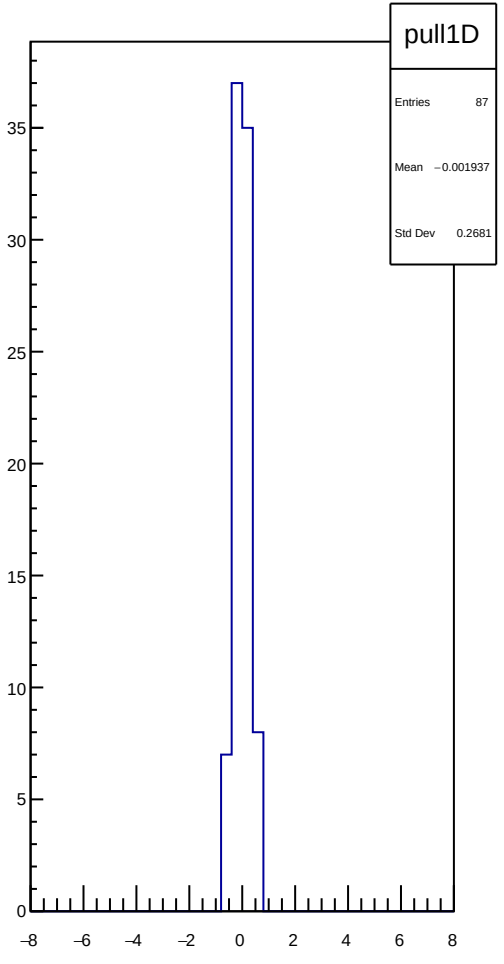

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 111.1 / 86
p0 −15.55 ± 0.1083
pull
Entries 87
Mean 4341
Std Dev 4285

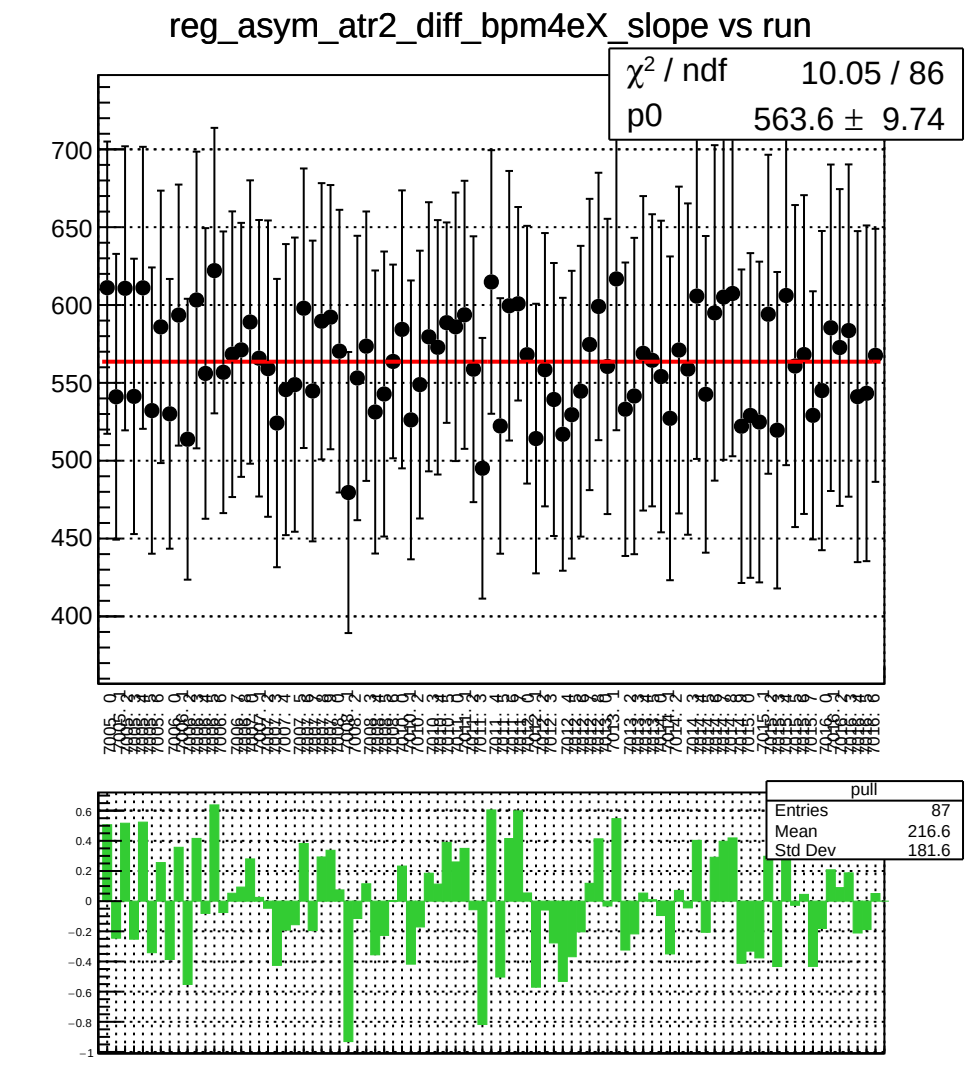

pull1D
Entries 87
Mean 0.0008979
Std Dev 1.13

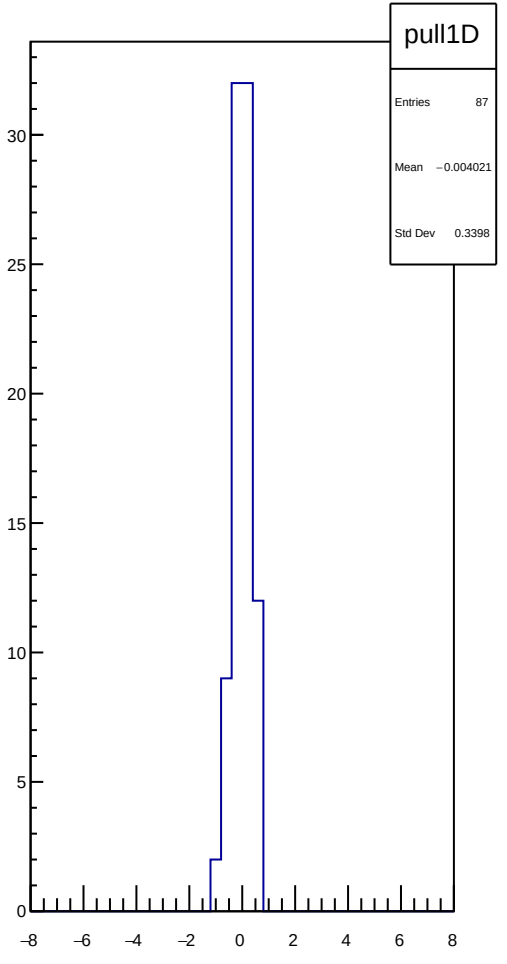

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 10.52 / 86
p0 −489.1± 10.5
−300
−350
−400
−450
−500
−550
−600
−650
pull
Entries 87
Mean 149.3
Std Dev 114
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

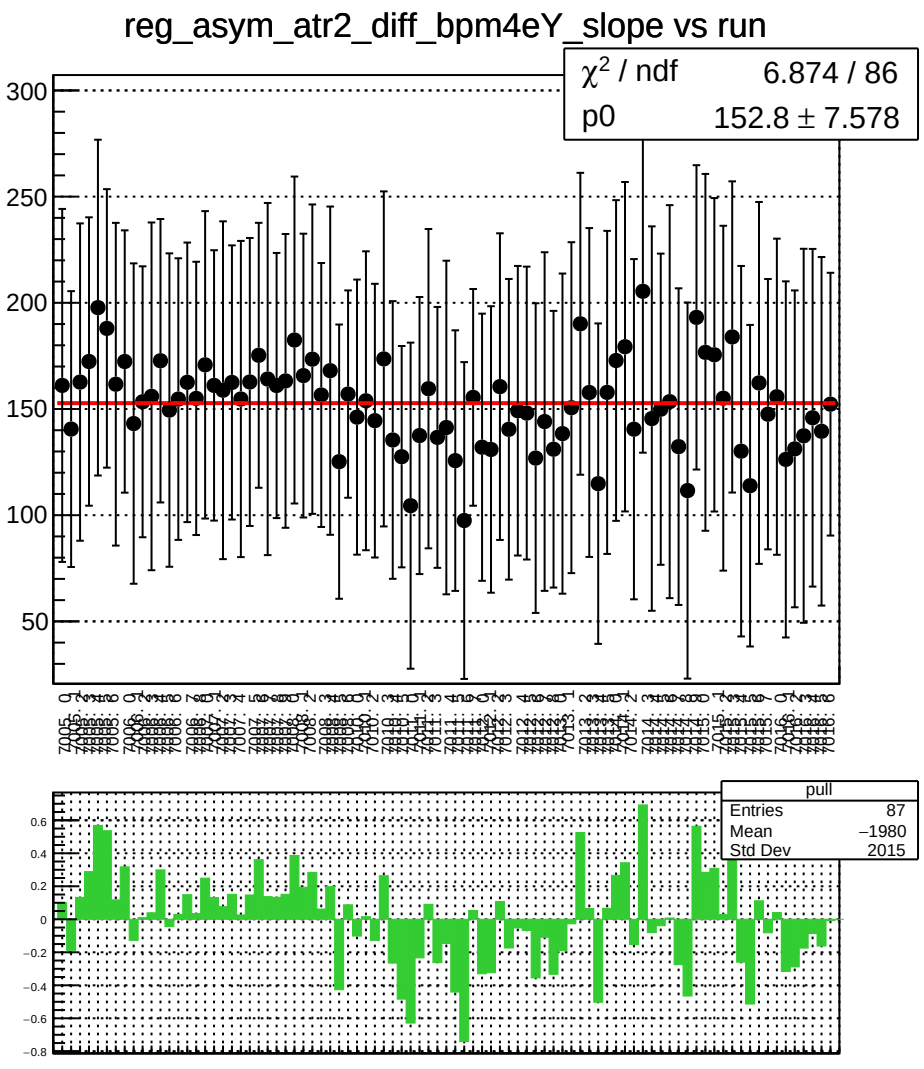

pull1D
Entries 87
Mean 0.004688
Std Dev 0.3477
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

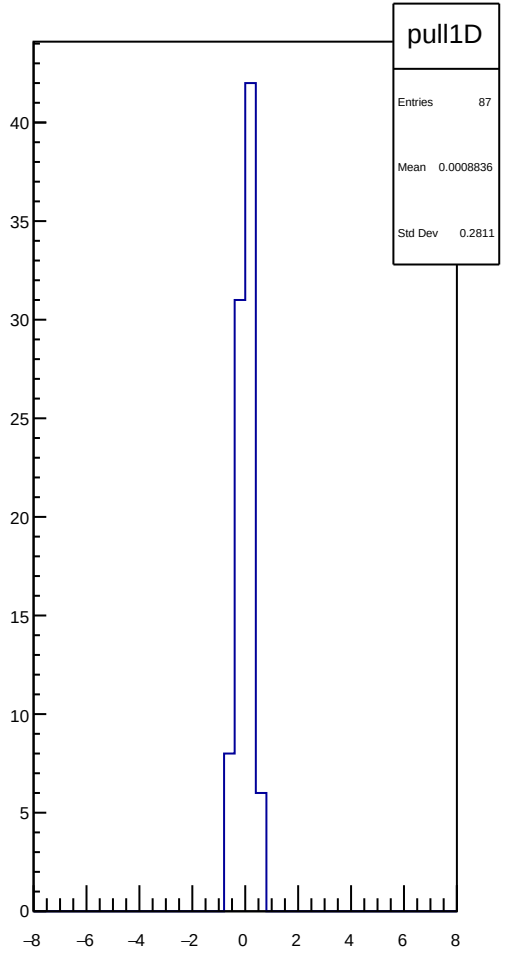

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.254 / 86
p0 −19.6 ± 7.212
pull
Entries 87
Mean −467.5
Std Dev 504.3

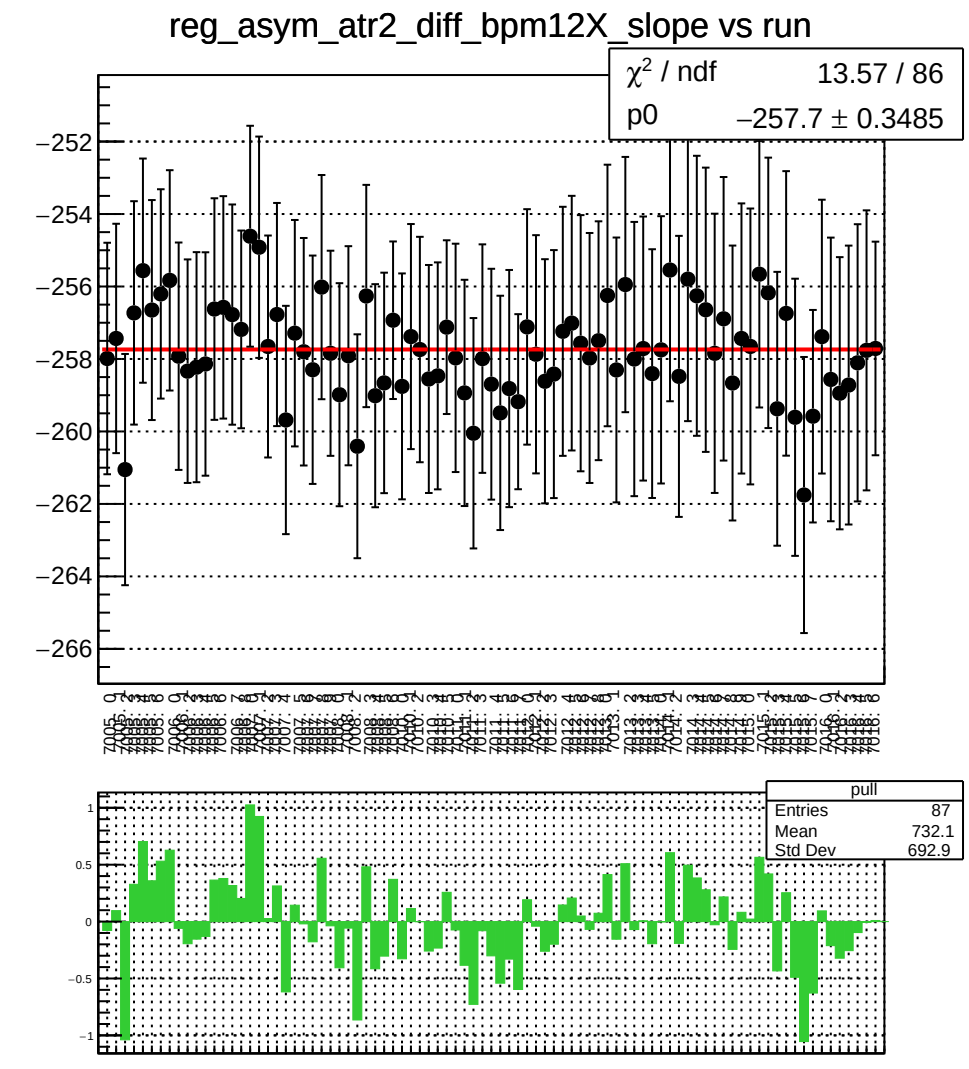

pull1D
Entries 87
Mean −0.001937
Std Dev 0.2681

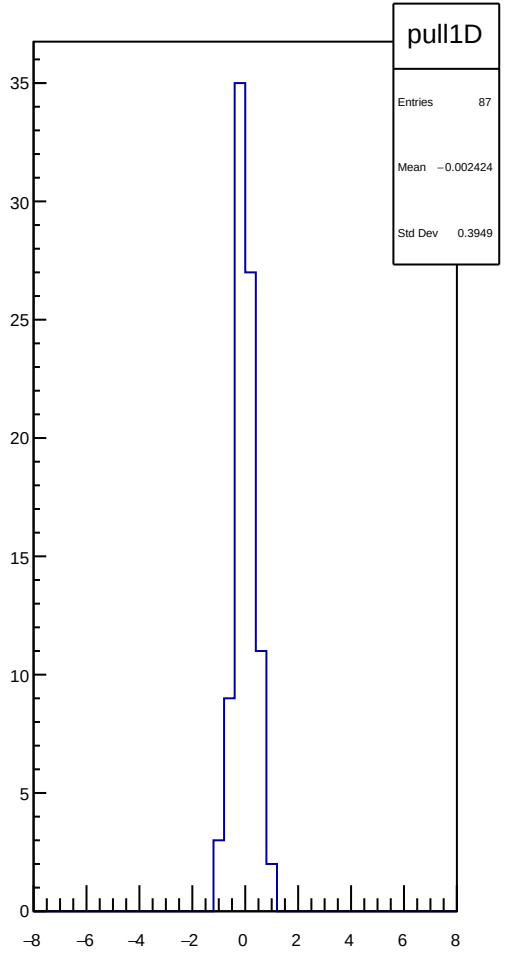

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 10.05 / 86
p0 563.6 ± 9.74
700
650
600
550
500
450
400
pull
Entries 87
Mean 216.6
Std Dev 181.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

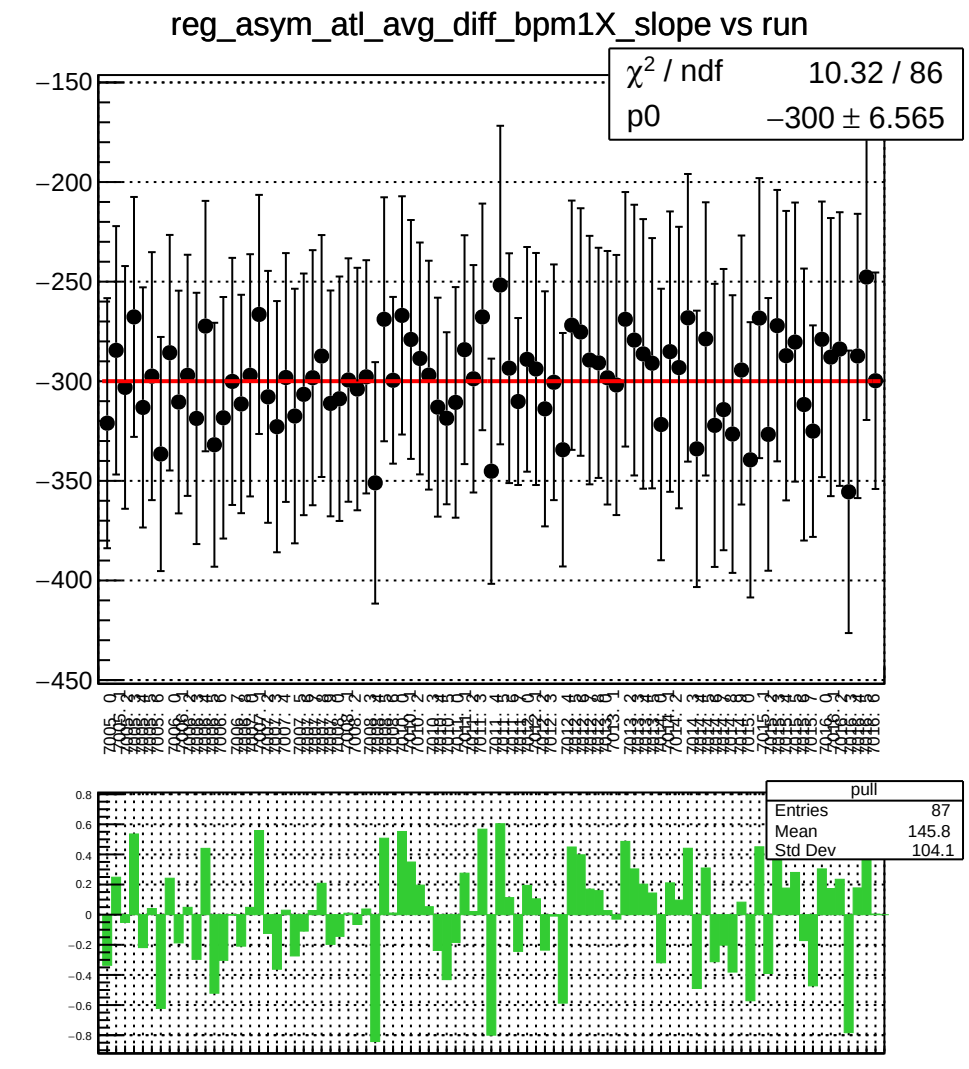

pull1D
Entries 87
Mean −0.004021
Std Dev 0.3398
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

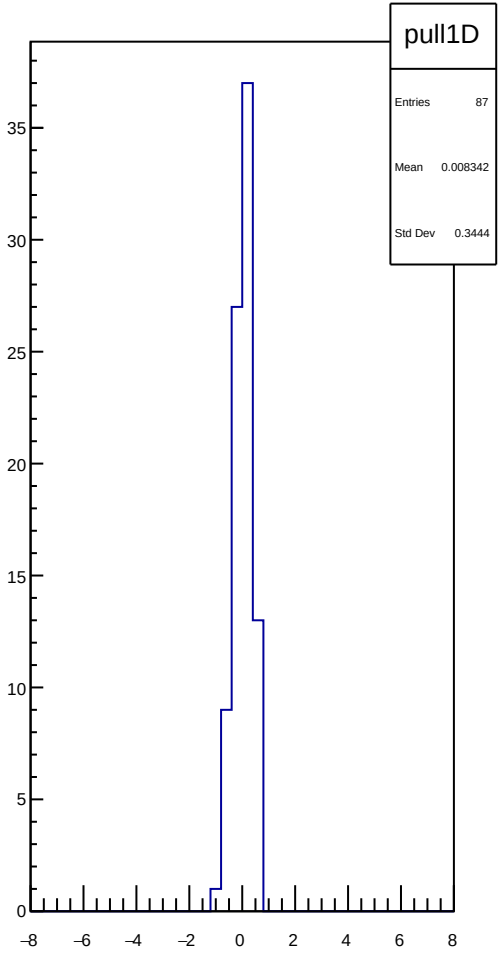

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.874 / 86
p0 152.8 ± 7.578
300
250
200
150
100
50
pull
Entries 87
Mean −1980
Std Dev 2015
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

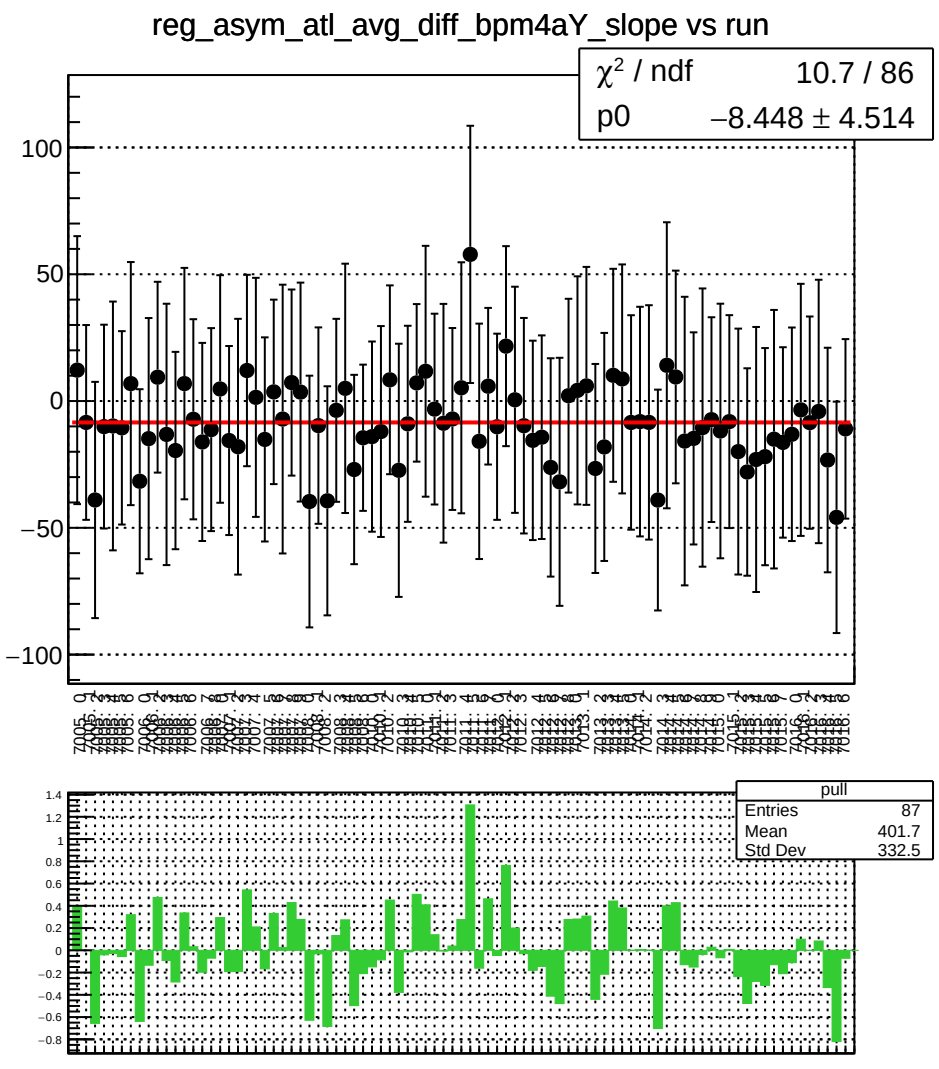

pull1D
Entries 87
Mean 0.0008836
Std Dev 0.2811
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

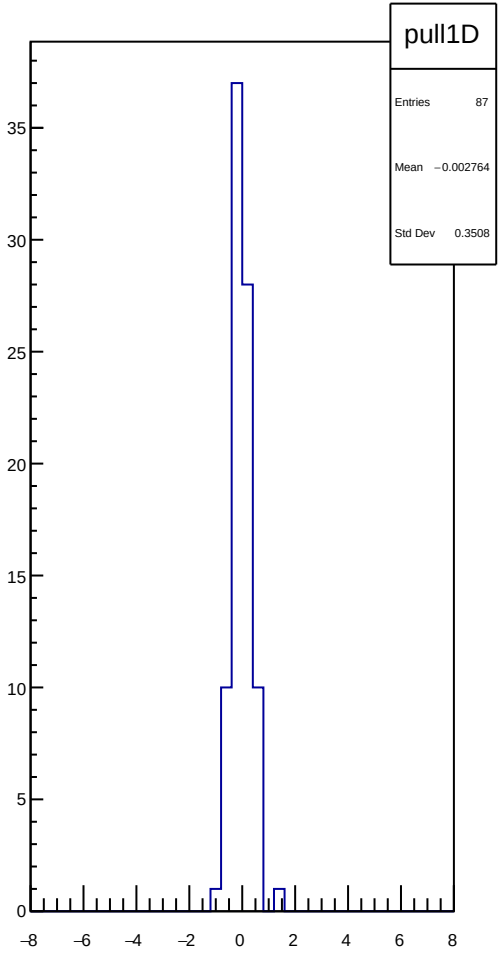

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.57 / 86
p0 −257.7 ± 0.3485
−252
−254
−256
−258
−260
−262
−264
−266
pull
Entries 87
Mean 732.1
Std Dev 692.9
1
0.5
0
−0.5
−1

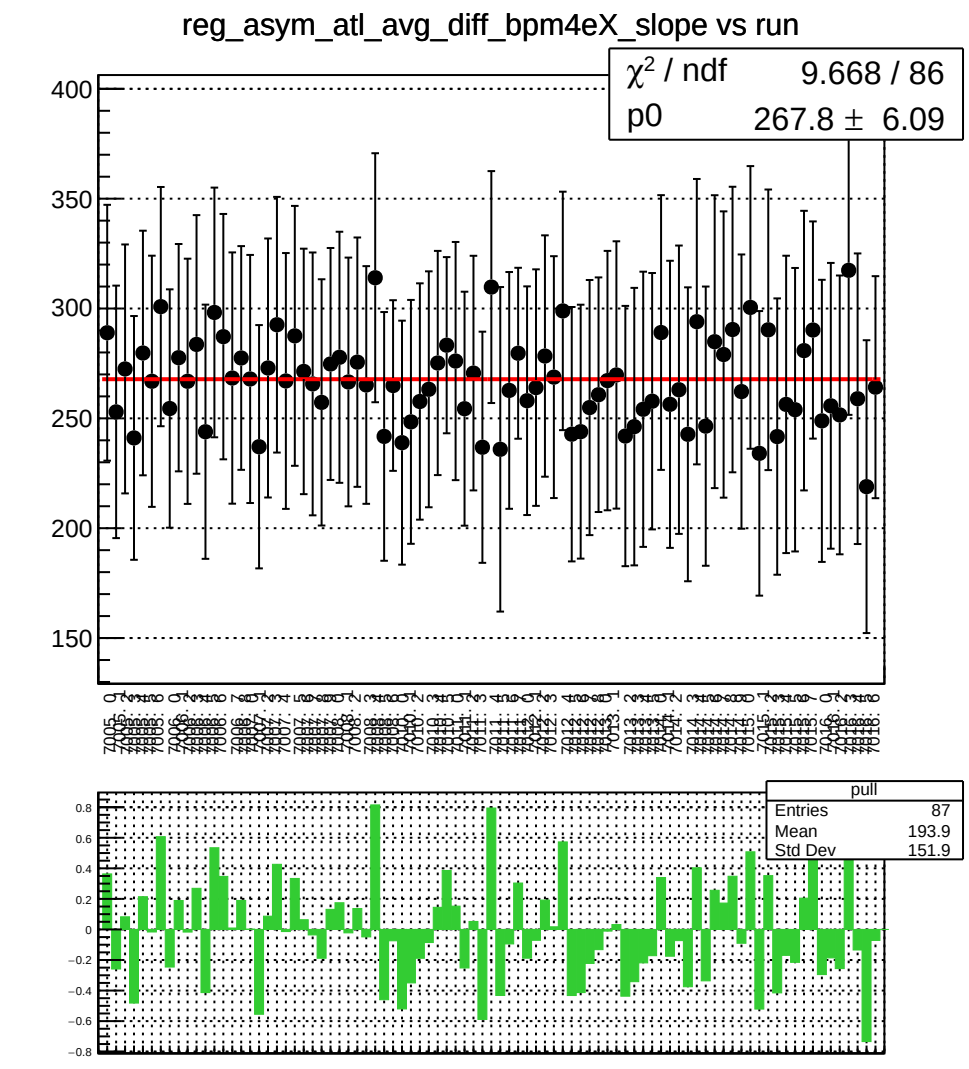

pull1D
Entries 87
Mean −0.002424
Std Dev 0.3949
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

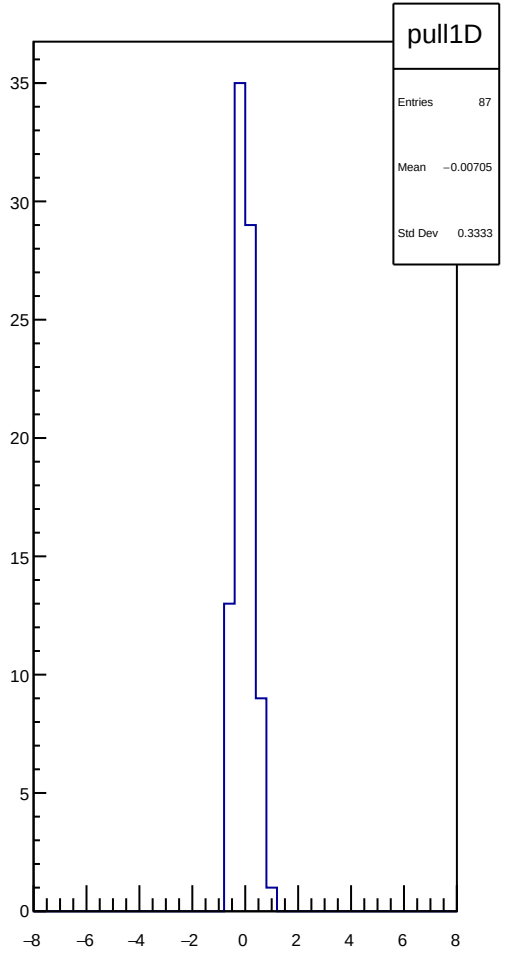

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 10.32 / 86
p0 −300 ± 6.565
pull
Entries 87
Mean 145.8
Std Dev 104.1

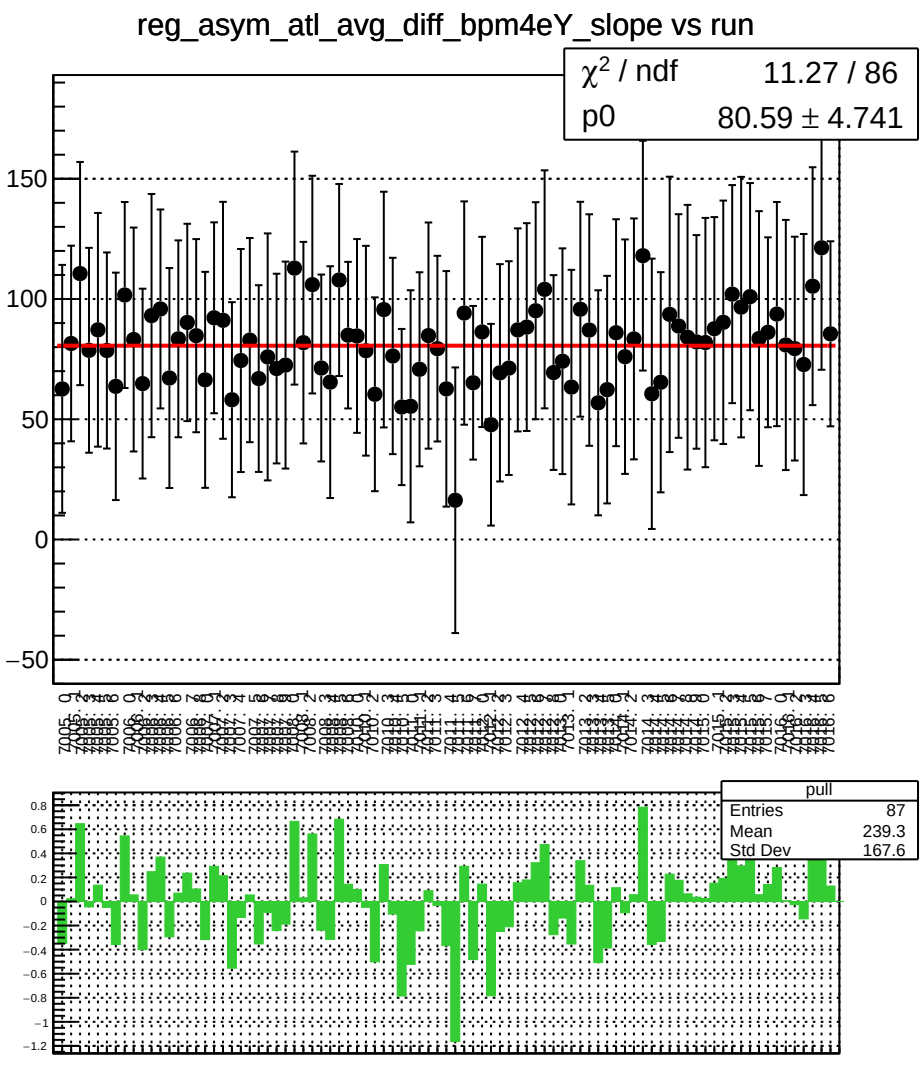

pull1D
Entries 87
Mean 0.008342
Std Dev 0.3444

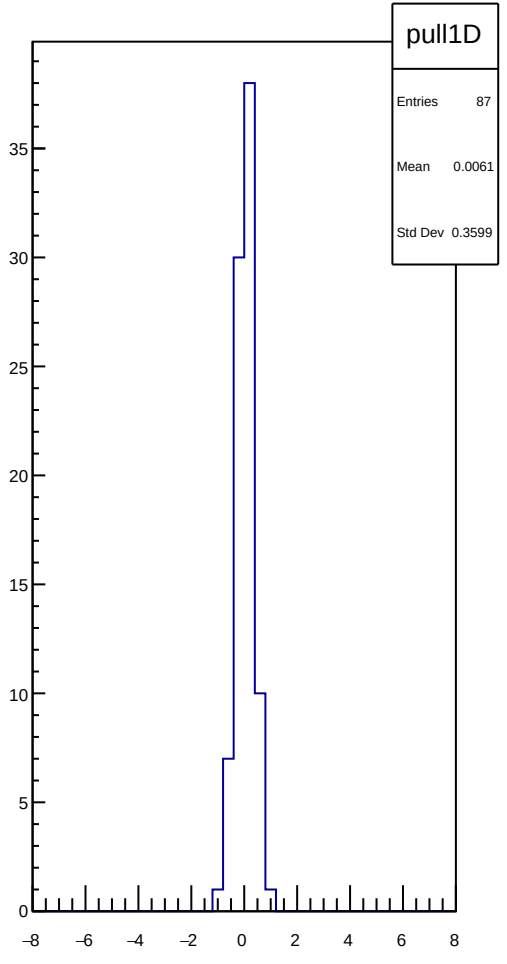

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.7 / 86
p0 −8.448 ± 4.514
pull
Entries 87
Mean 401.7
Std Dev 332.5

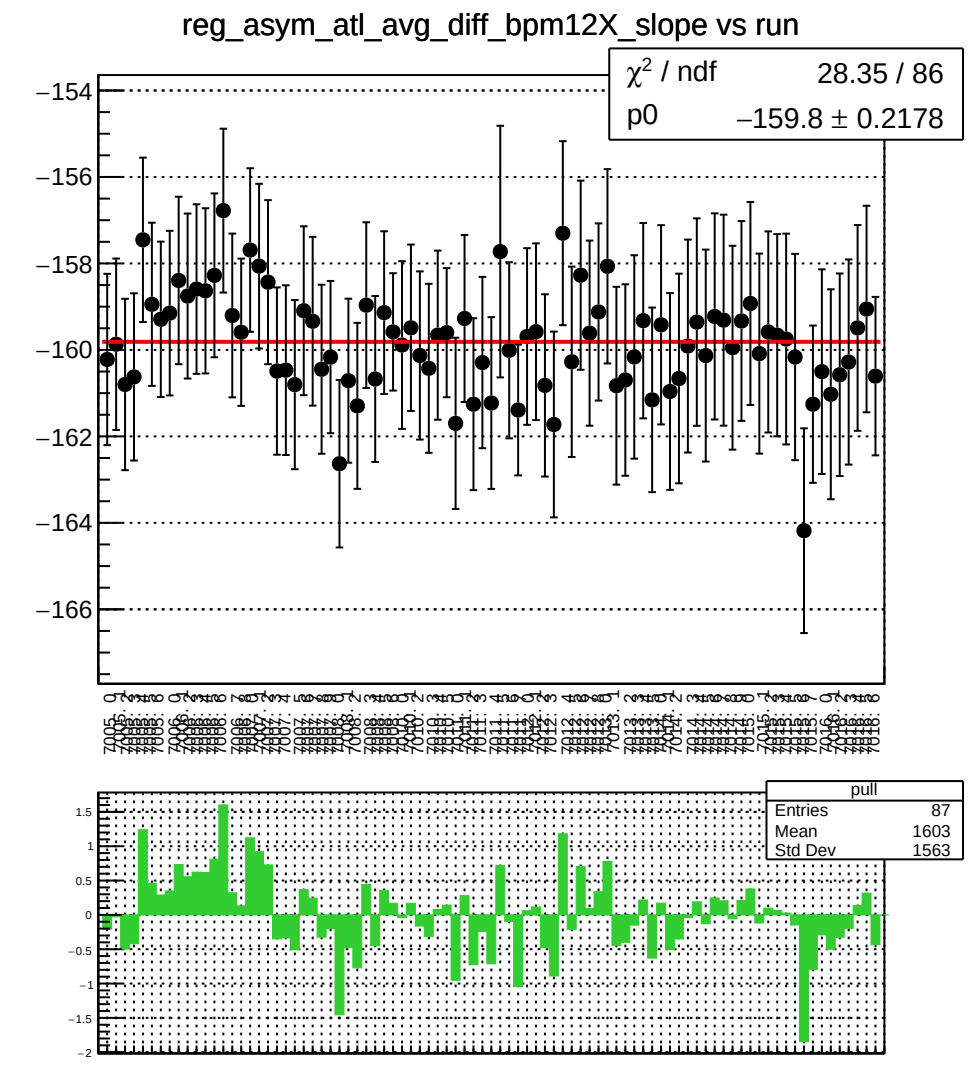

pull1D
Entries 87
Mean −0.002764
Std Dev 0.3508

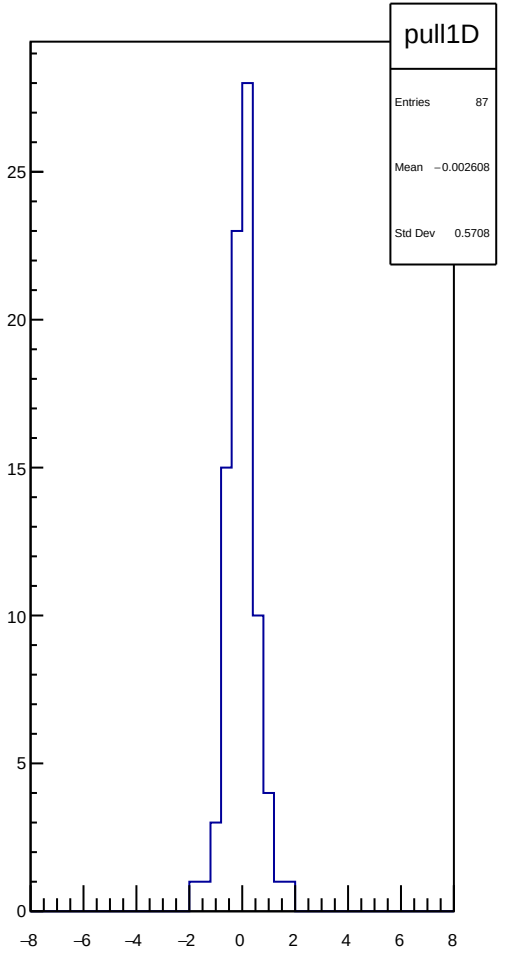

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.668 / 86
p0 267.8 ± 6.09
400
350
300
250
200
150
pull
Entries 87
Mean 193.9
Std Dev 151.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

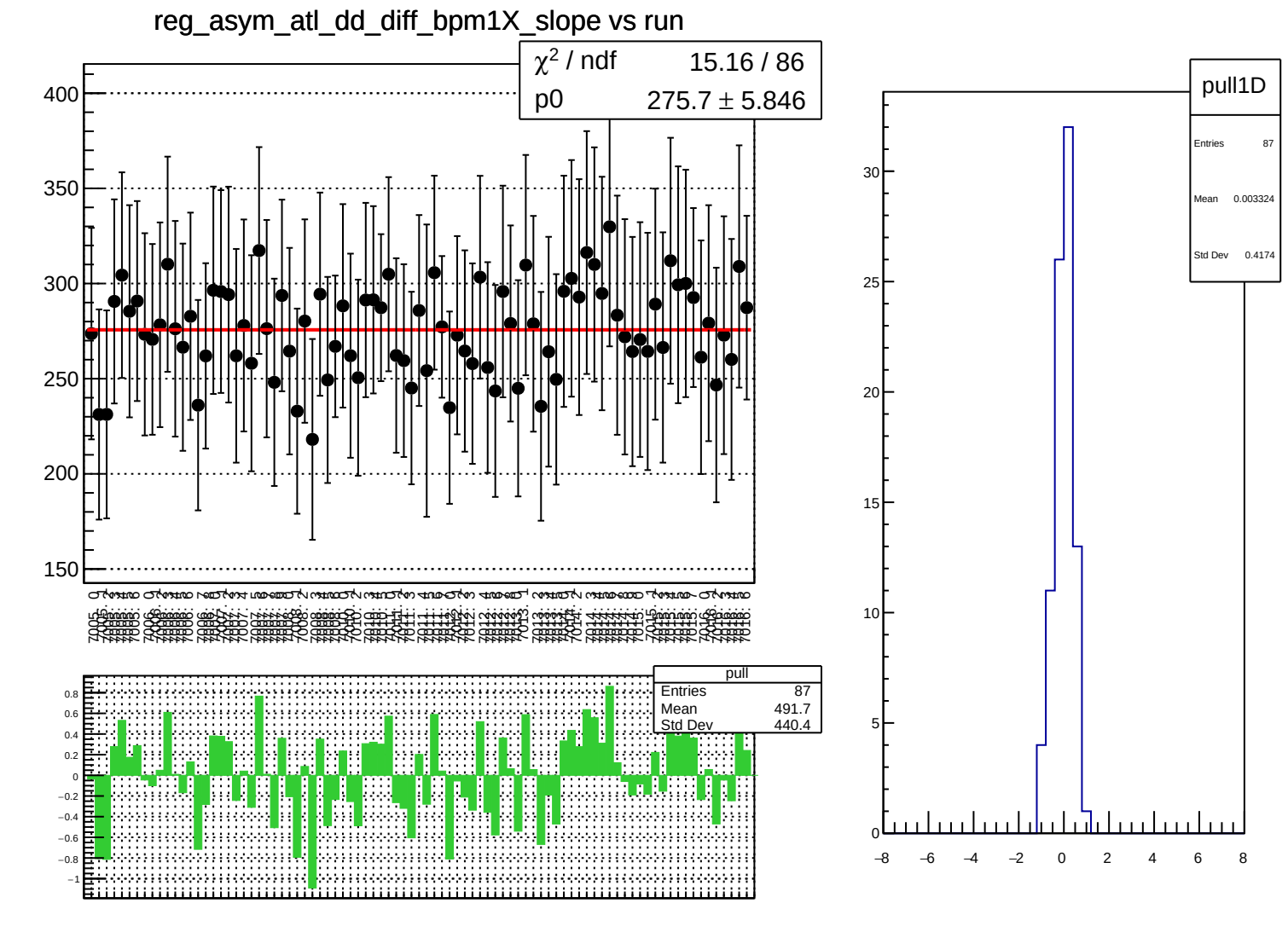

pull1D
Entries 87
Mean −0.00705
Std Dev 0.3333
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

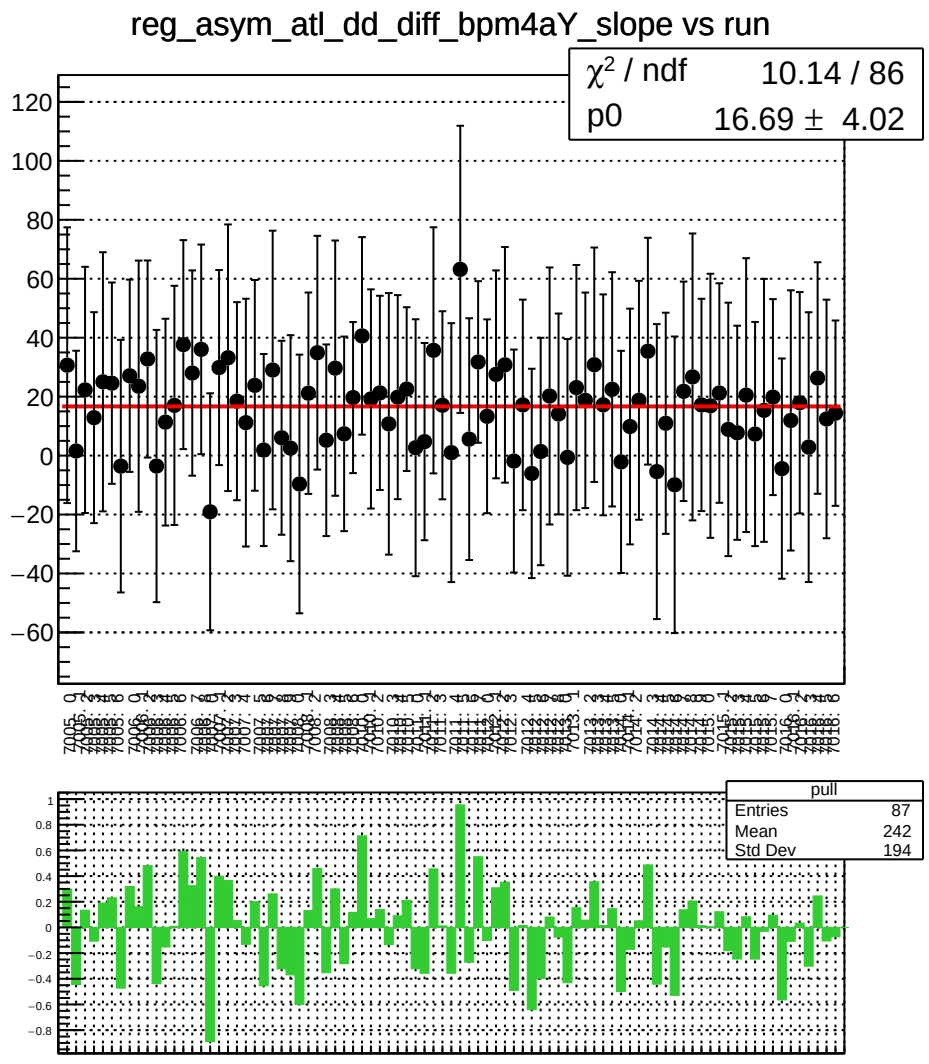

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 86
p0 80.59 ± 4.741
150
100
50
0
−50
pull
Entries 87
Mean 239.3
Std Dev 167.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

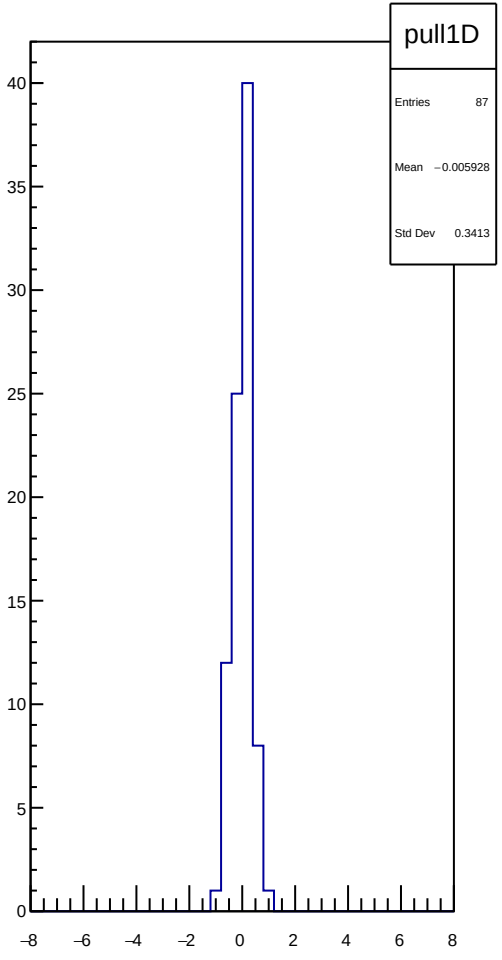

pull1D
Entries 87
Mean 0.0061
Std Dev 0.3599
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

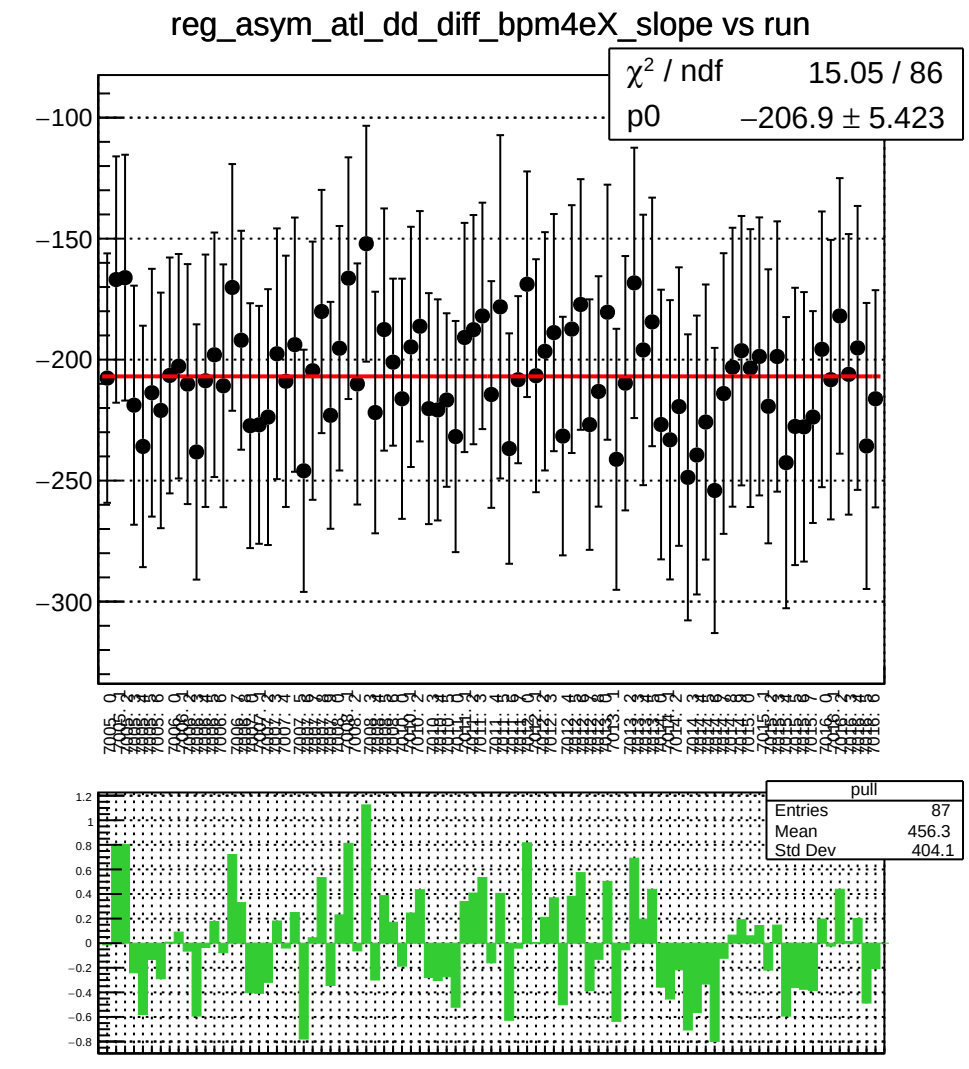

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 28.35 / 86
p0 −159.8 ± 0.2178
−154
−156
−158
−160
−162
−164
−166
pull
Entries 87
Mean 1603
Std Dev 1563
1.5
1
0.5
0
−0.5
−1
−1.5
−2

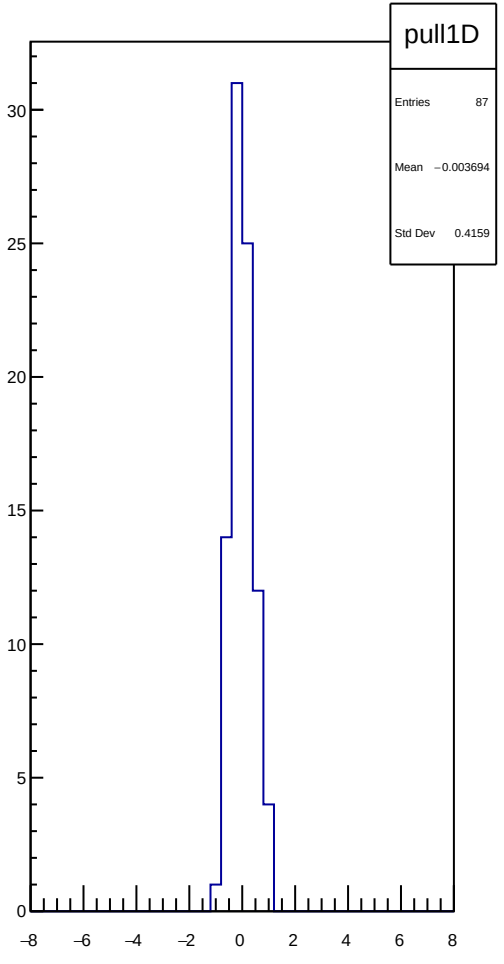

pull1D
Entries 87
Mean −0.002608
Std Dev 0.5708
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

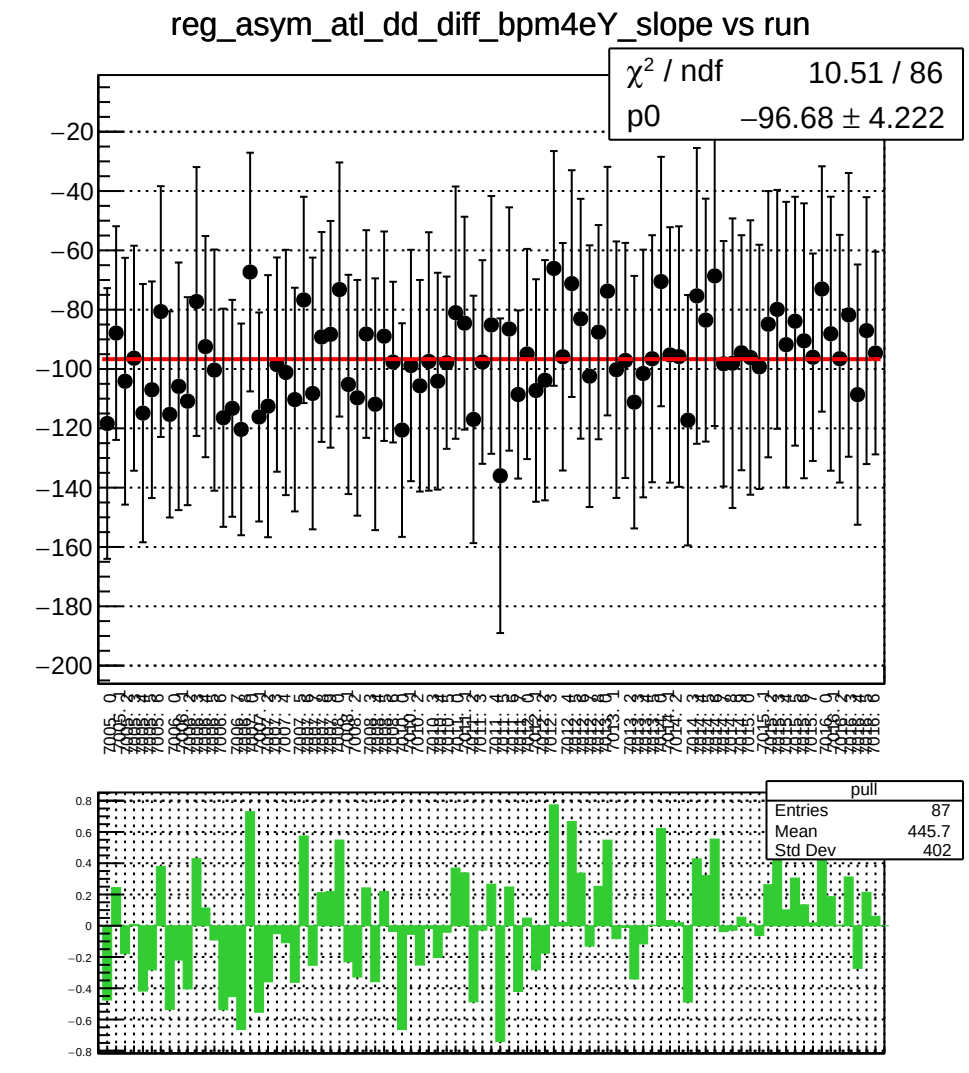

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 15.16 / 86
p0 275.7 ± 5.846
pull
Entries 87
Mean 491.7
Std Dev 440.4
pull1D
Entries 87
Mean 0.003324
Std Dev 0.4174

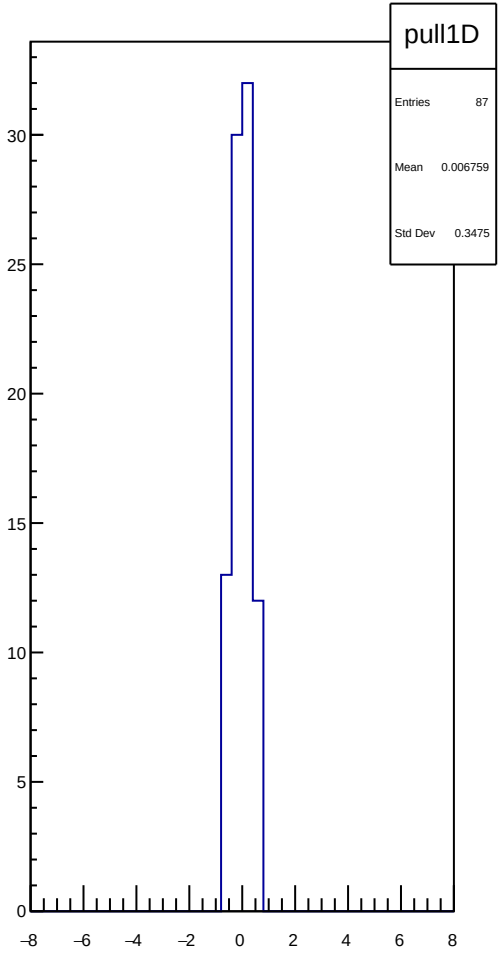

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.14 / 86
p0 16.69 ± 4.02
pull
Entries 87
Mean 242
Std Dev 194

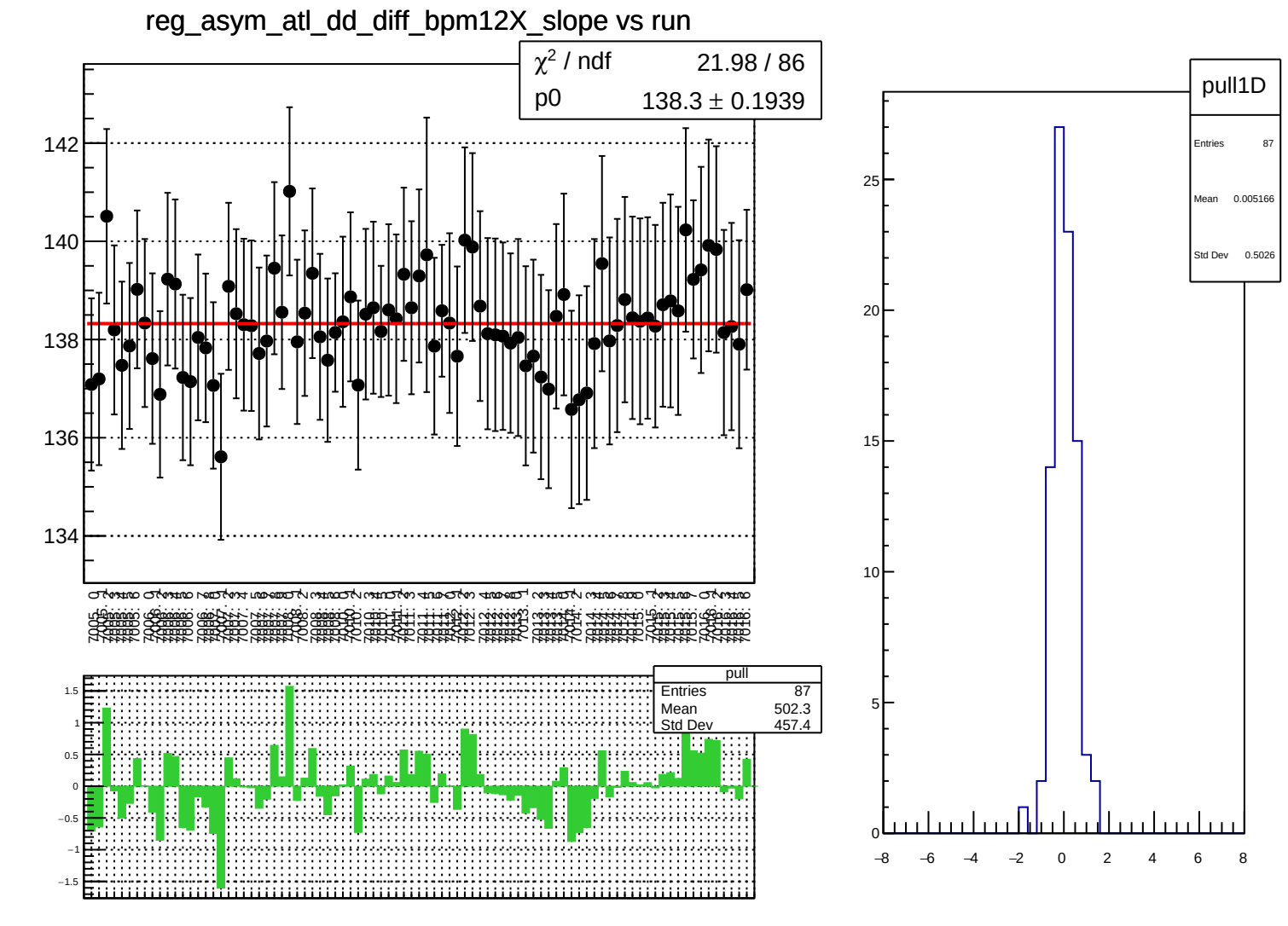

pull1D
Entries 87
Mean −0.005928
Std Dev 0.3413

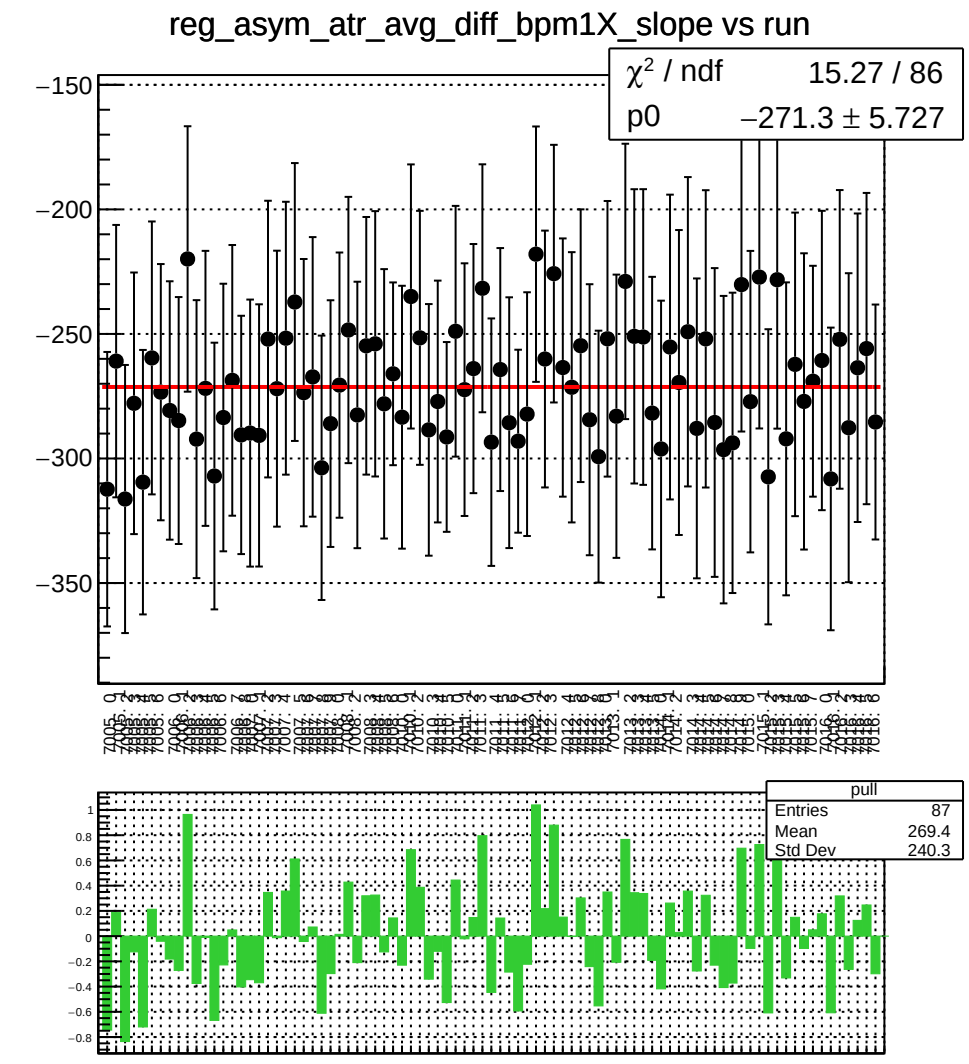

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.05 / 86
p0 −206.9 ± 5.423
−100
−150
−200
−250
−300
pull
Entries 87
Mean 456.3
Std Dev 404.1
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

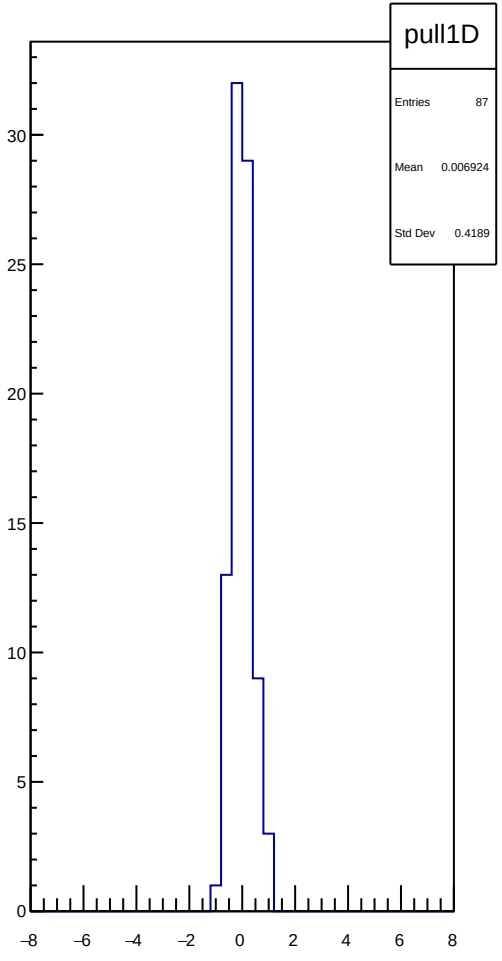

pull1D
Entries 87
Mean −0.003694
Std Dev 0.4159
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

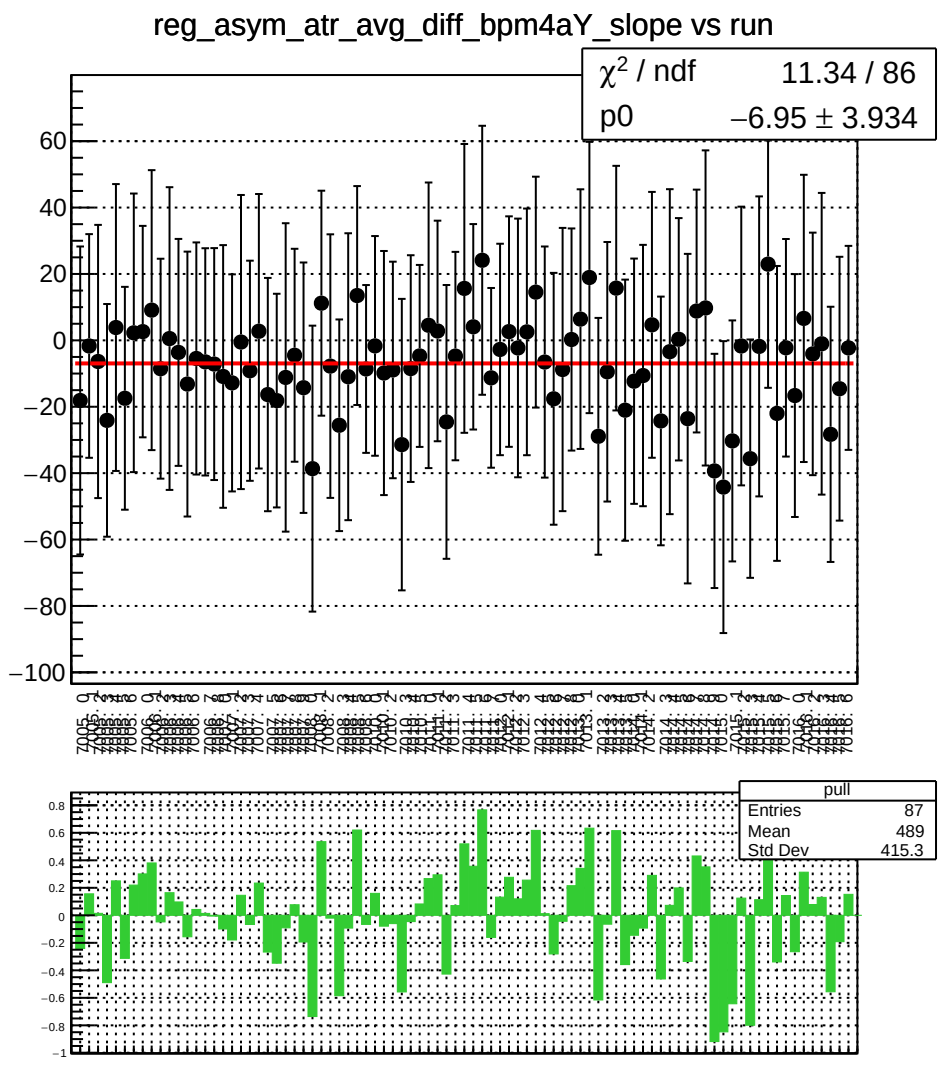

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.51 / 86
p0 −96.68 ± 4.222
pull
Entries 87
Mean 445.7
Std Dev 402

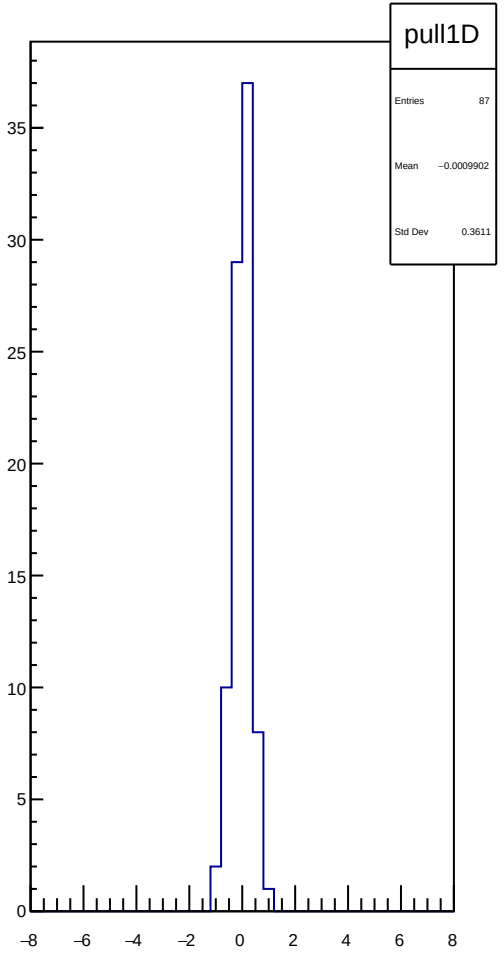

pull1D
Entries 87
Mean 0.006759
Std Dev 0.3475

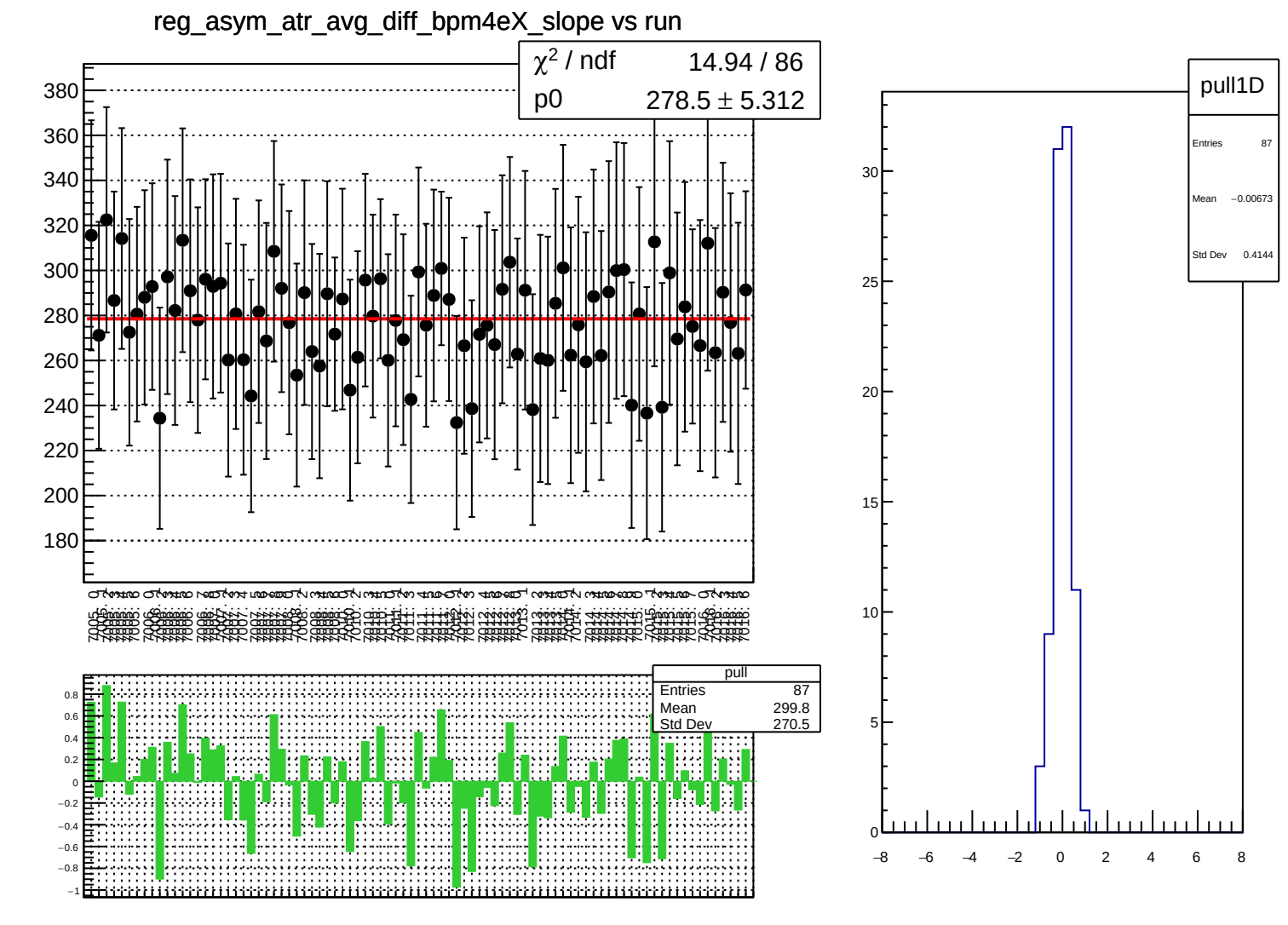

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 21.98 / 86
p0 138.3 ± 0.1939
142
140
138
136
134
pull
Entries 87
Mean 502.3
Std Dev 457.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.005166
Std Dev 0.5026
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

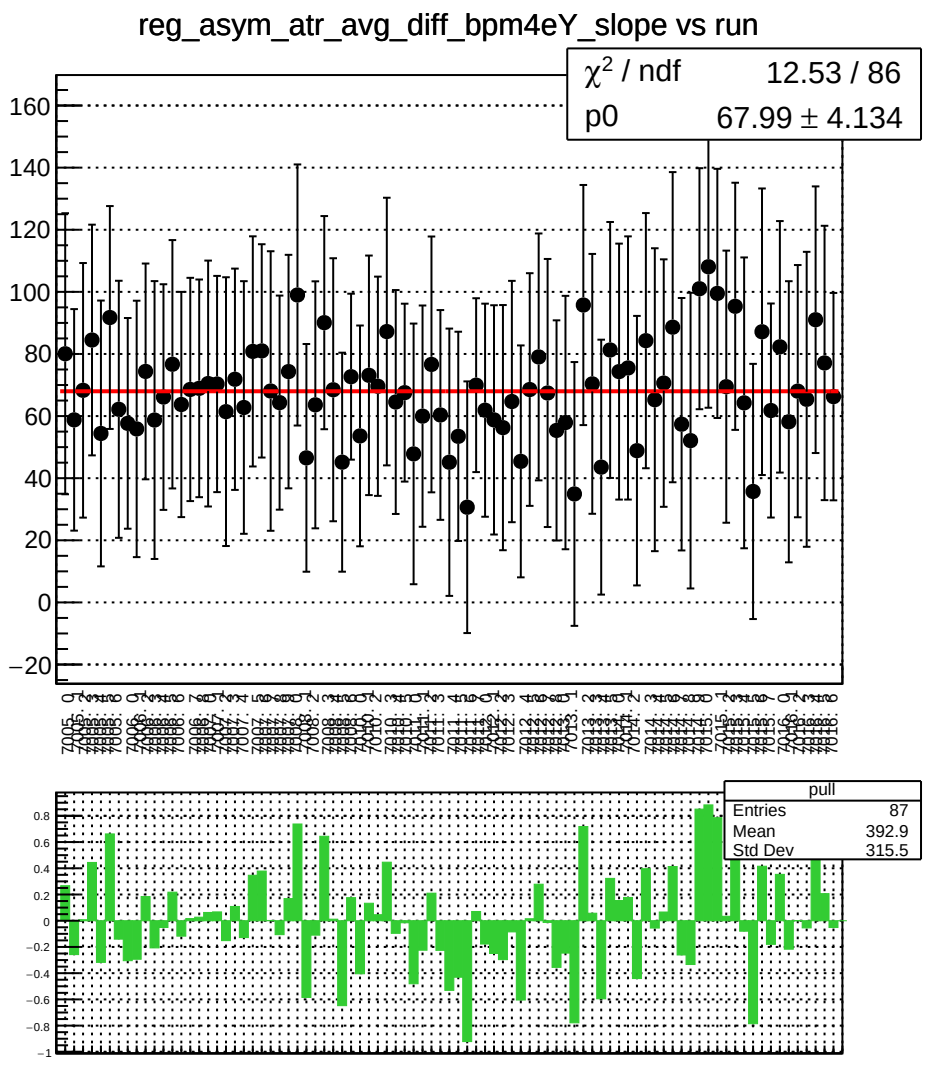

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 15.27 / 86
p0 −271.3 ± 5.727
pull
Entries 87
Mean 269.4
Std Dev 240.3

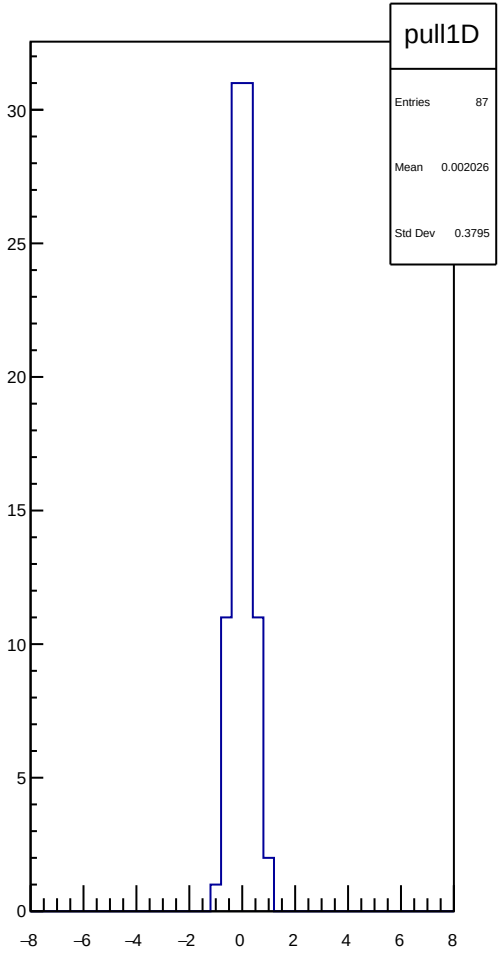

pull1D
Entries 87
Mean 0.006924
Std Dev 0.4189

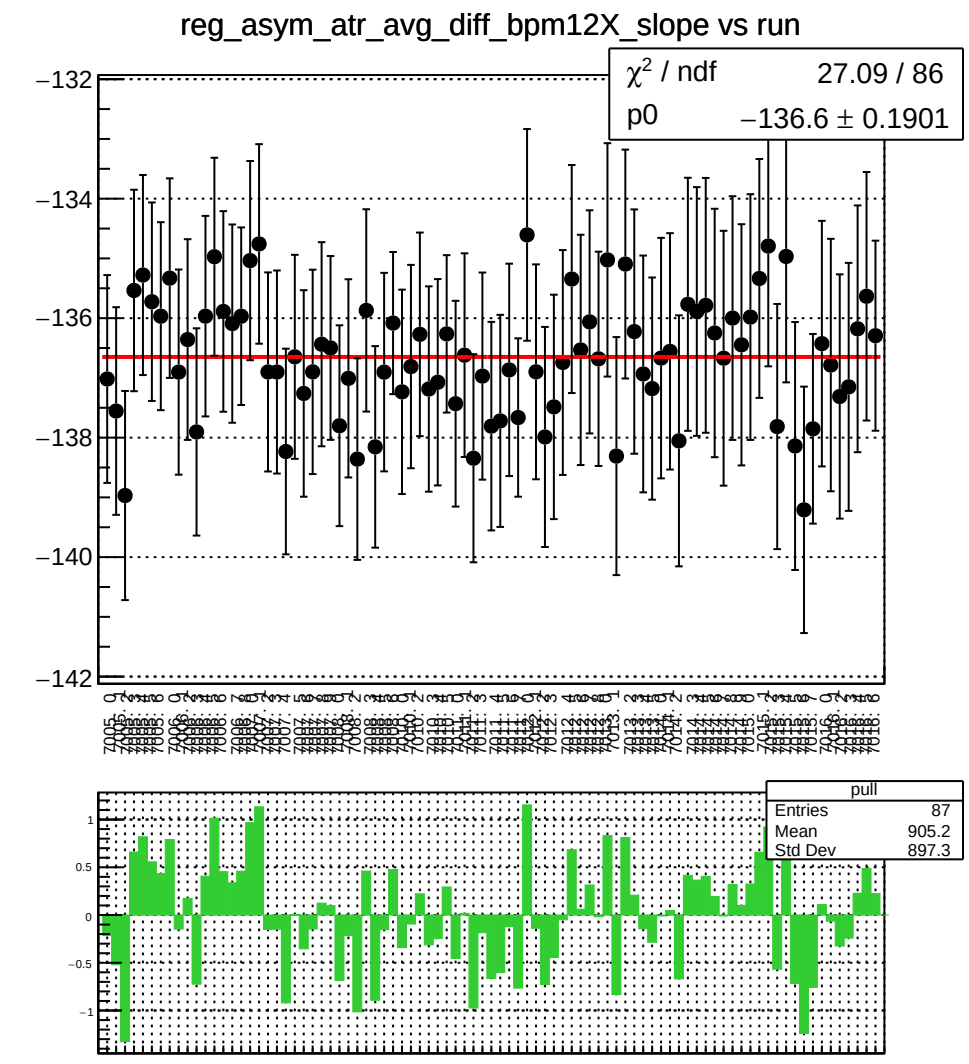

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.34 / 86
p0 −6.95 ± 3.934
pull
Entries 87
Mean 489
Std Dev 415.3

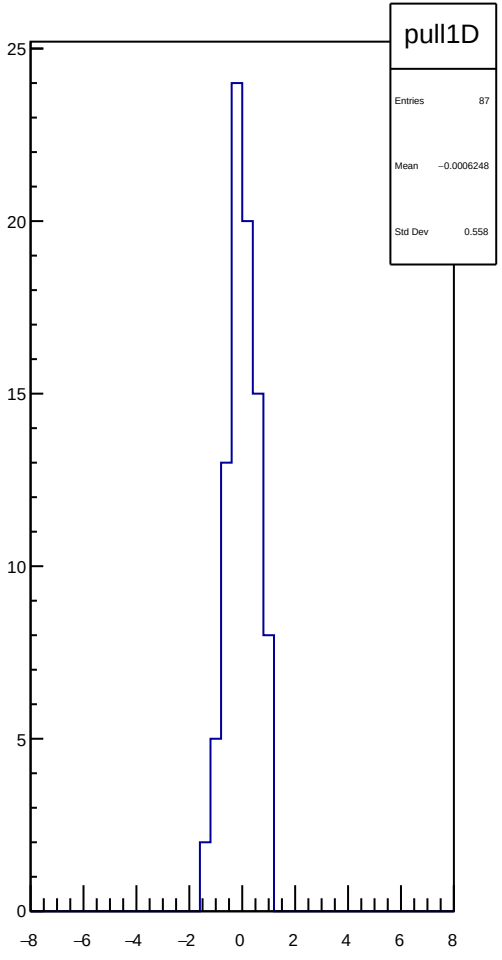

pull1D
Entries 87
Mean −0.0009902
Std Dev 0.3611

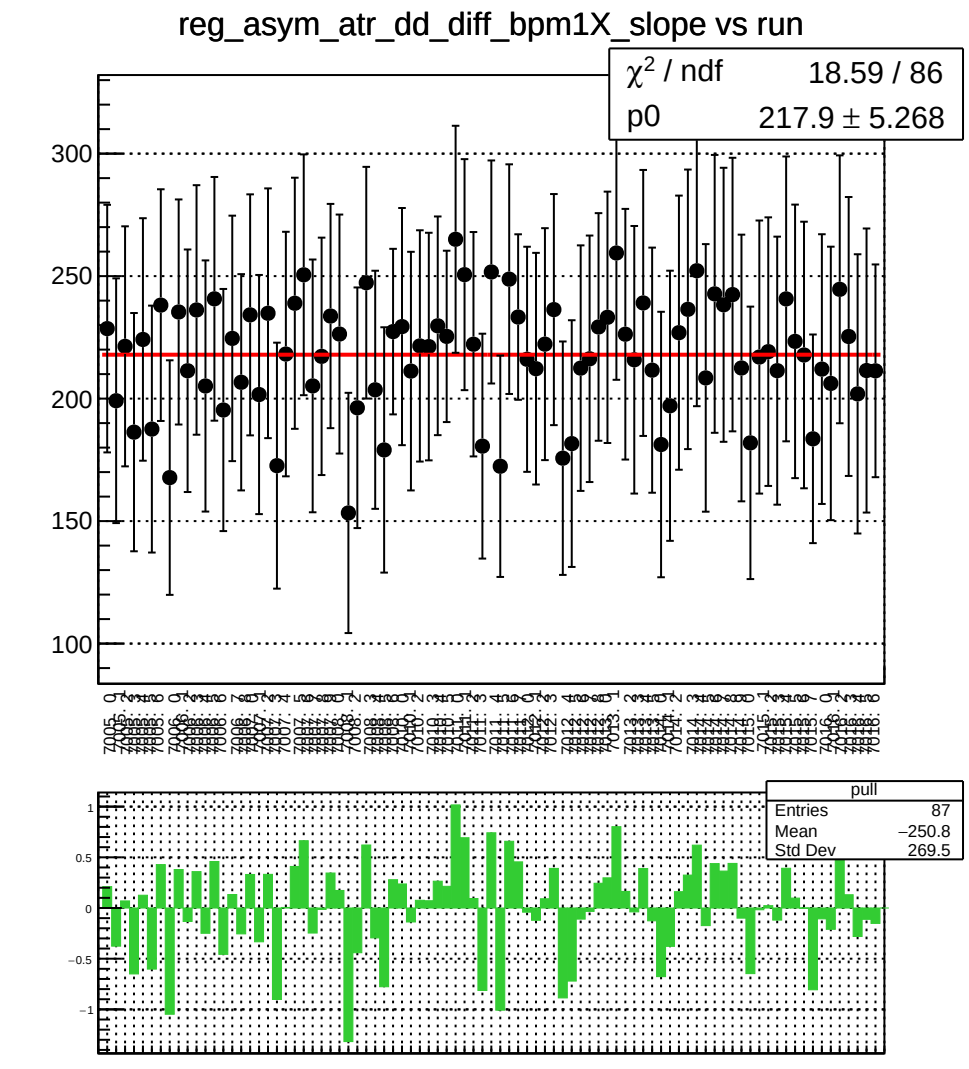

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.94 / 86
p0 278.5 ± 5.312
pull
Entries 87
Mean 299.8
Std Dev 270.5
pull1D
Entries 87
Mean −0.00673
Std Dev 0.4144

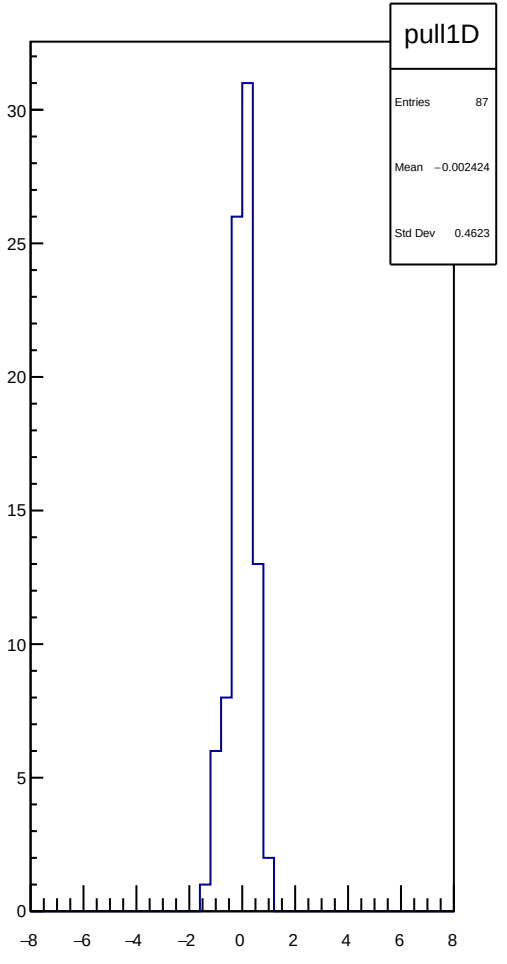

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.53 / 86
p0 67.99 ± 4.134
pull
Entries 87
Mean 392.9
Std Dev 315.5

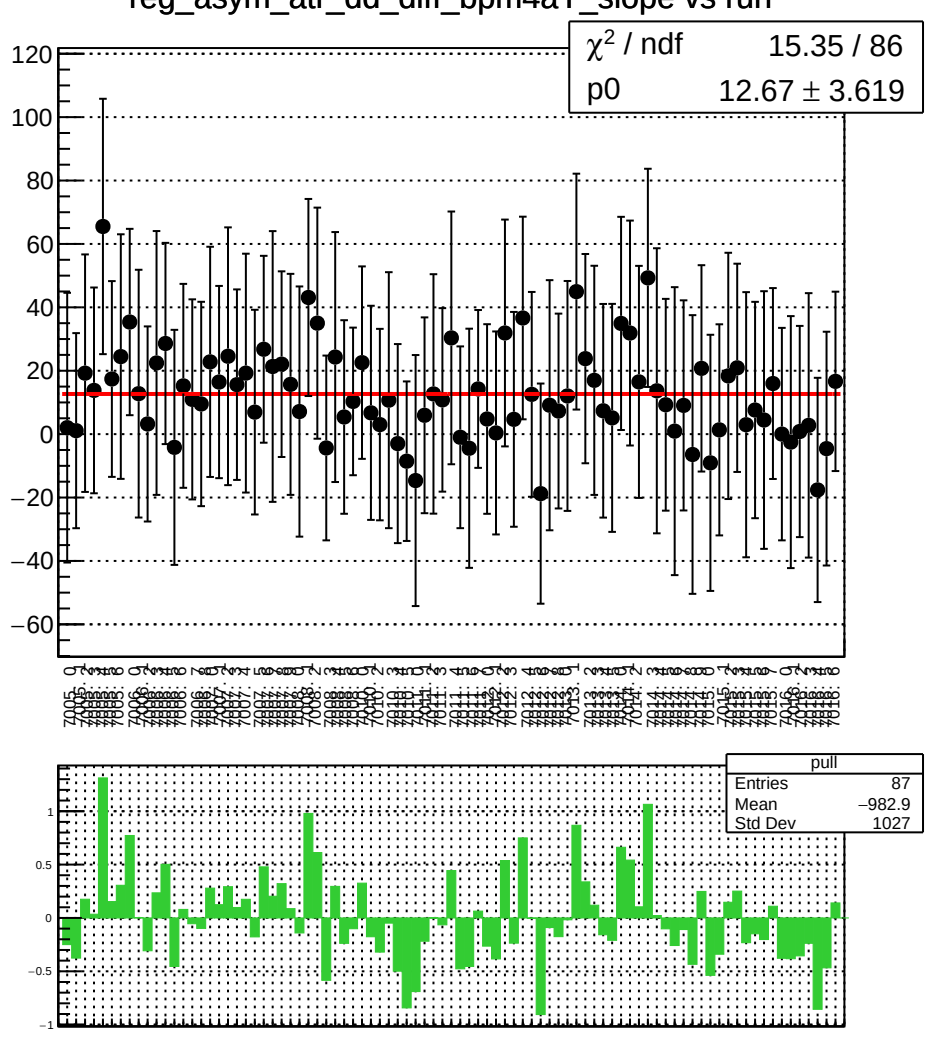

pull1D
Entries 87
Mean 0.002026
Std Dev 0.3795

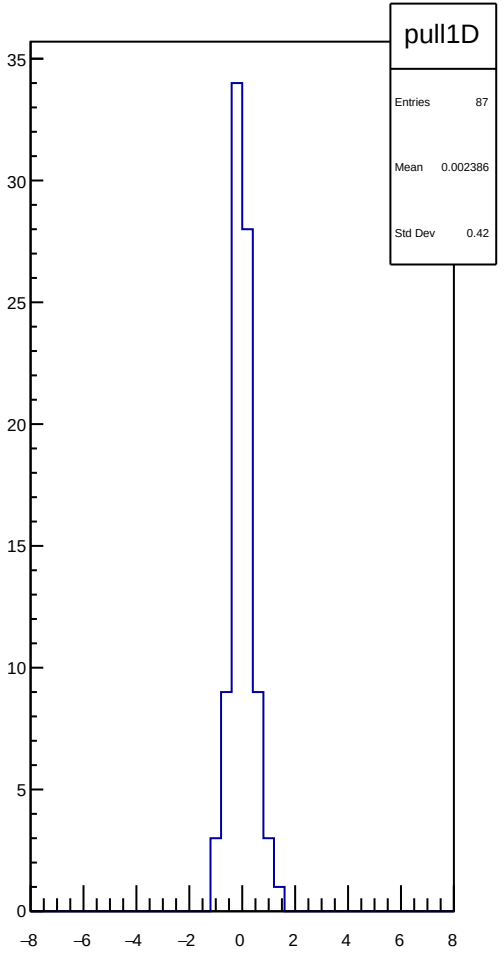

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 27.09 / 86
p0 −136.6 ± 0.1901
−132
−134
−136
−138
−140
−142
pull
Entries 87
Mean 905.2
Std Dev 897.3
1
0.5
0
−0.5
−1

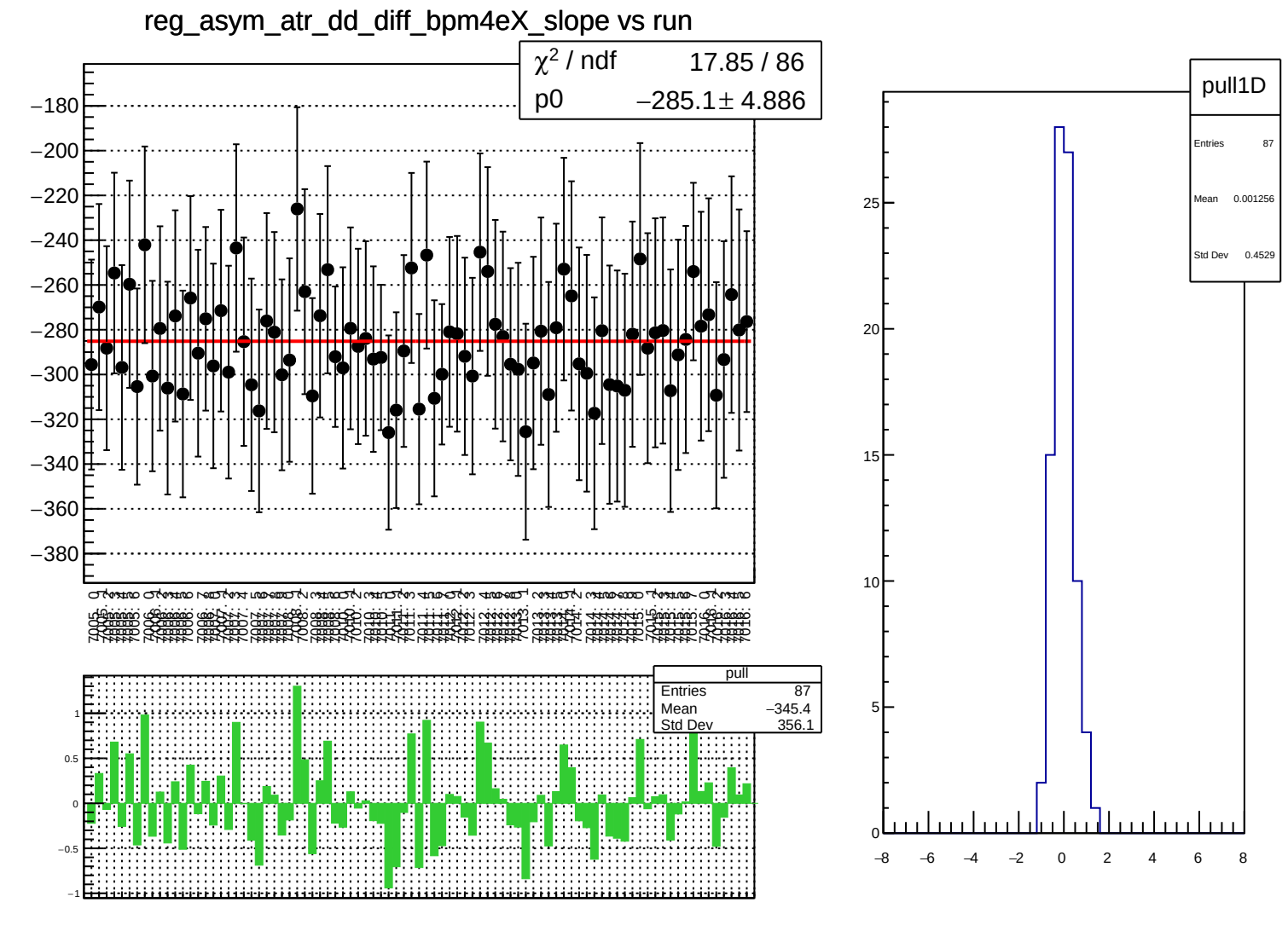

pull1D
Entries 87
Mean −0.0006248
Std Dev 0.558
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

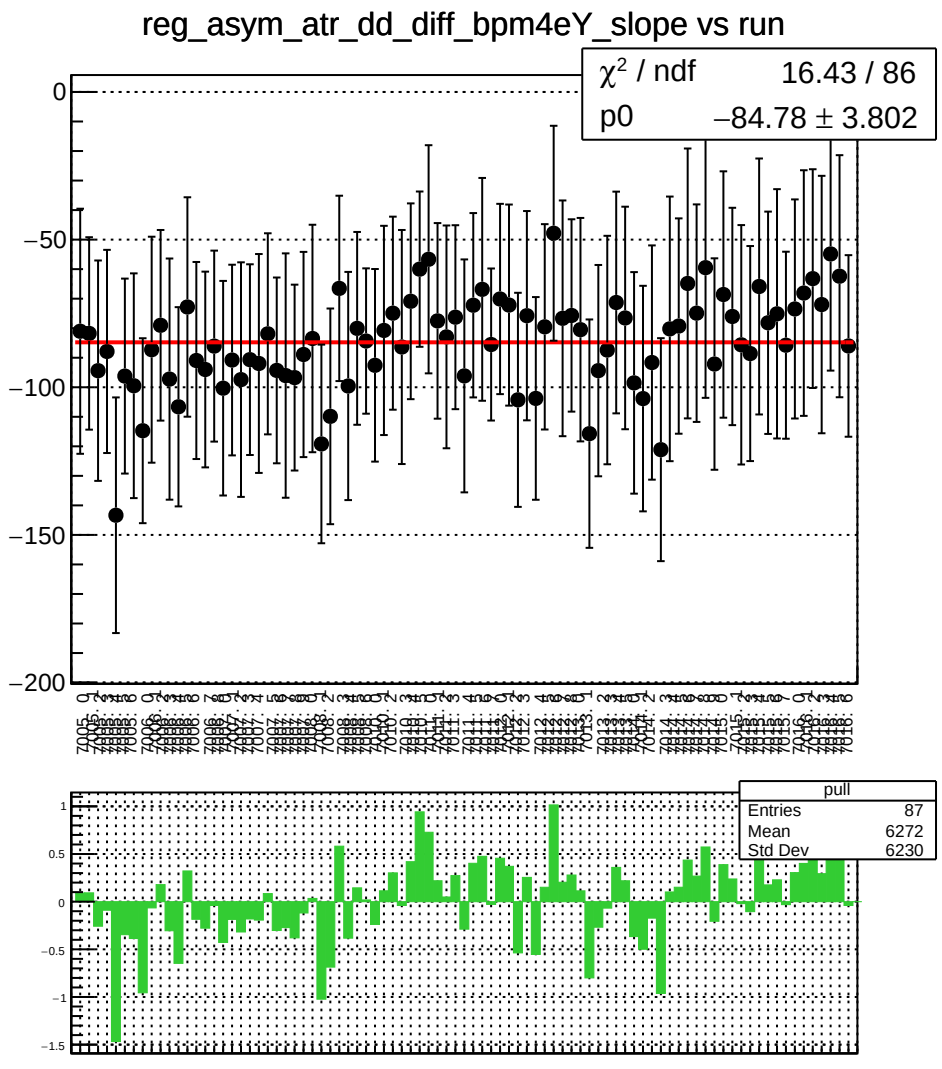

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 18.59 / 86
p0 217.9 ± 5.268
300
250
200
150
100
pull
Entries 87
Mean −250.8
Std Dev 269.5
1
0.5
0
−0.5
−1

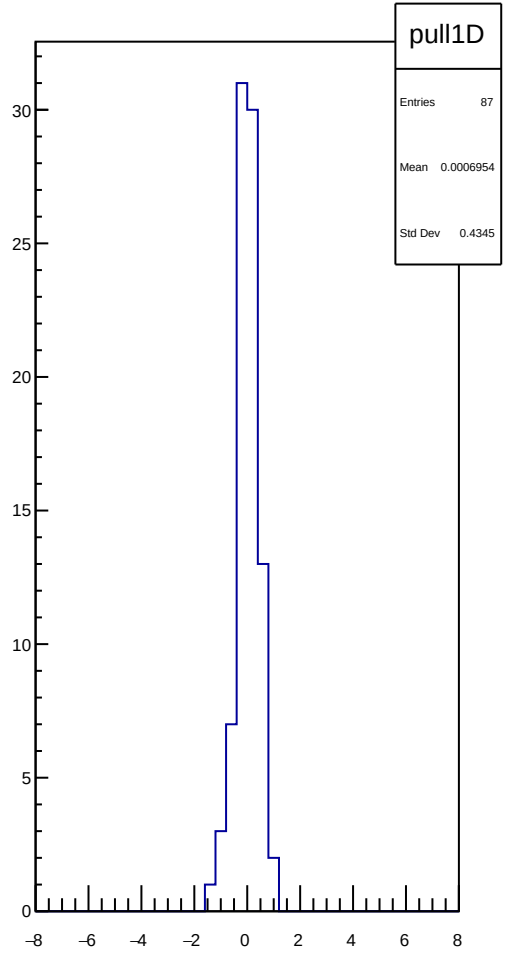

pull1D
Entries 87
Mean −0.002424
Std Dev 0.4623
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

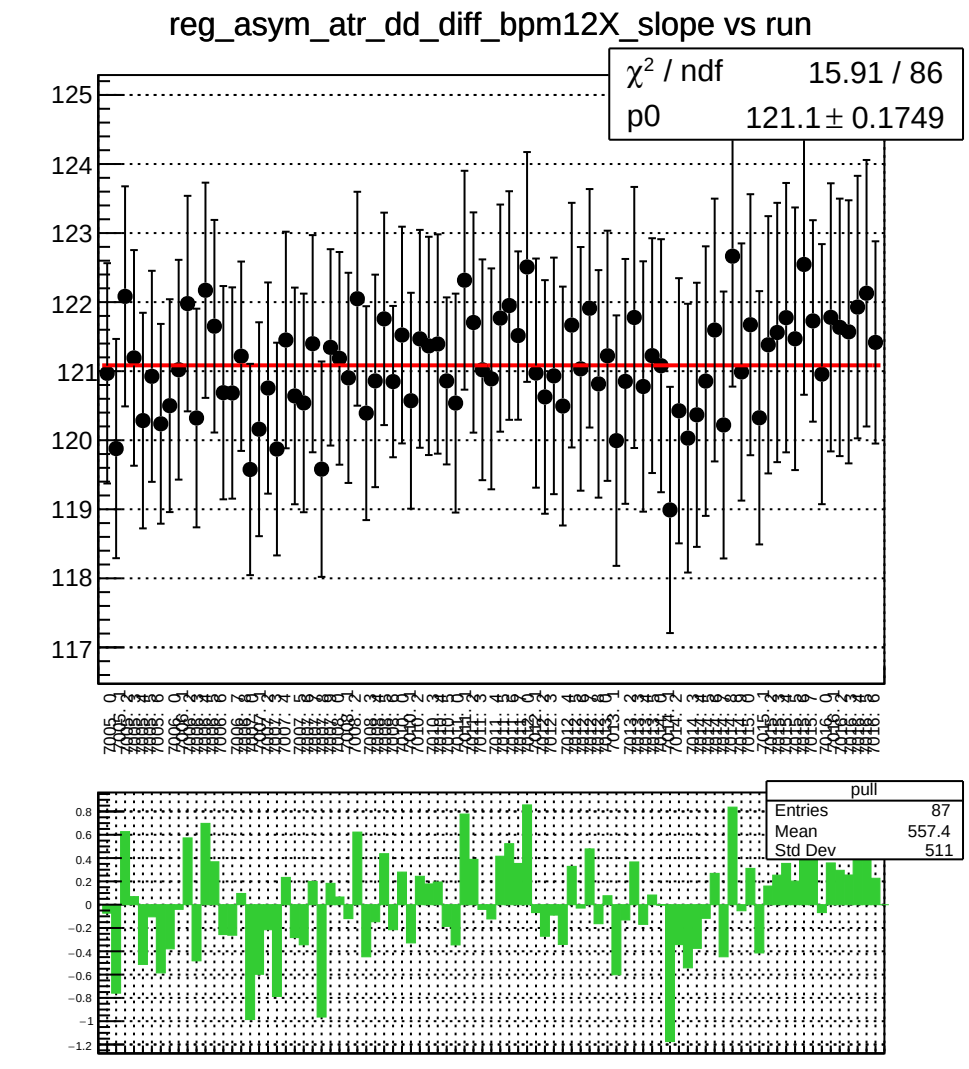

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 15.35 / 86
p0 12.67 ± 3.619
pull
Entries 87
Mean −982.9
Std Dev 1027

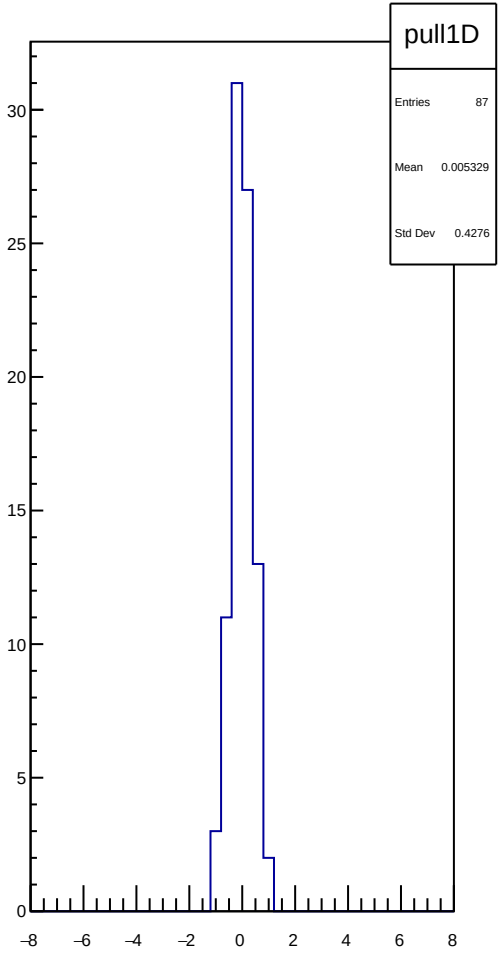

pull1D
Entries 87
Mean 0.002386
Std Dev 0.42

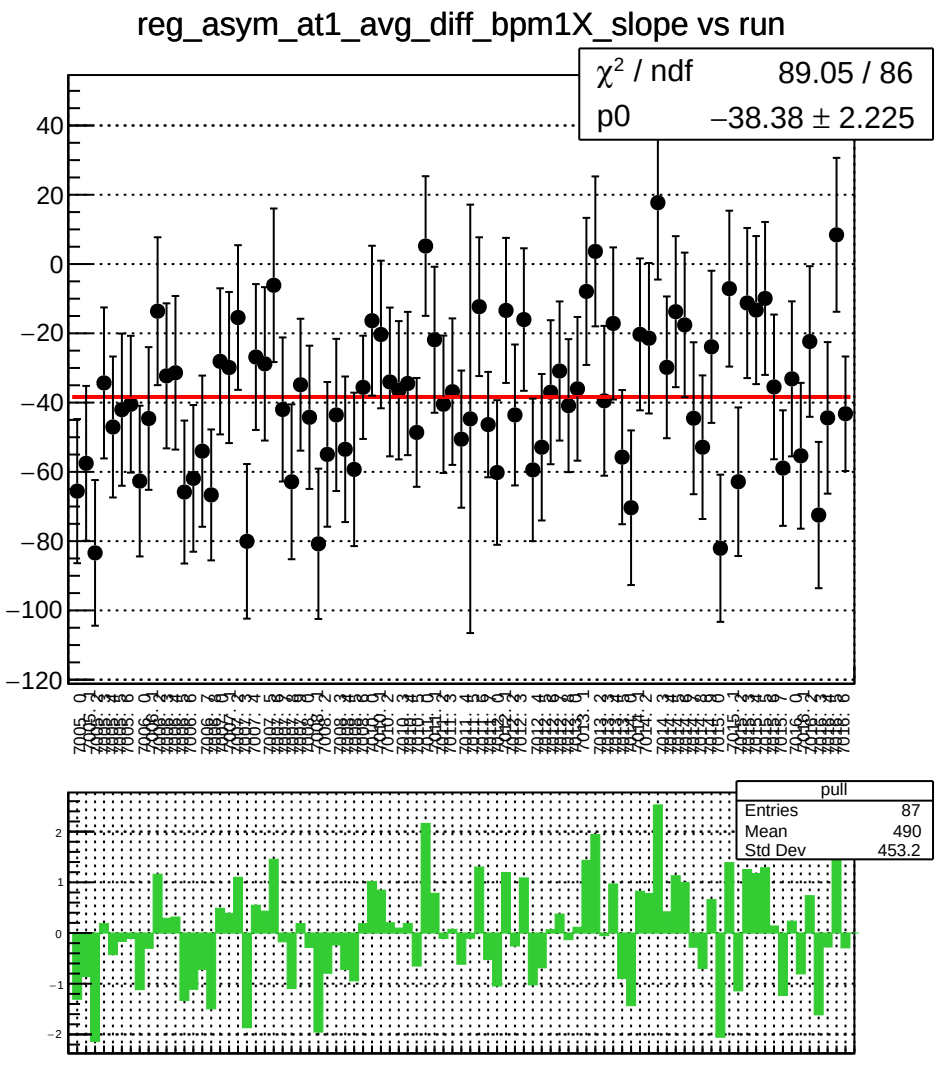

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.85 / 86
p0 −285.1 ± 4.886
pull
Entries 87
Mean −345.4
Std Dev 356.1
pull1D
Entries 87
Mean 0.001256
Std Dev 0.4529

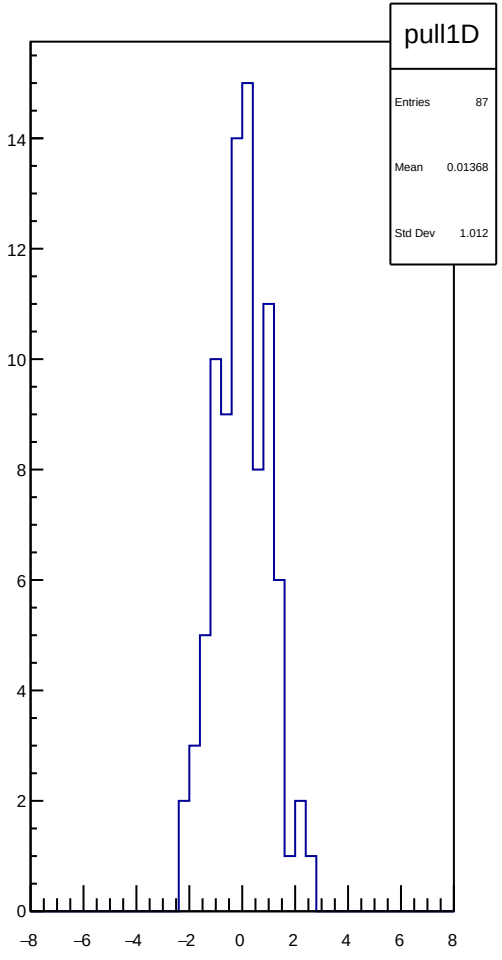

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.43 / 86
p0 −84.78 ± 3.802
pull
Entries 87
Mean 6272
Std Dev 6230

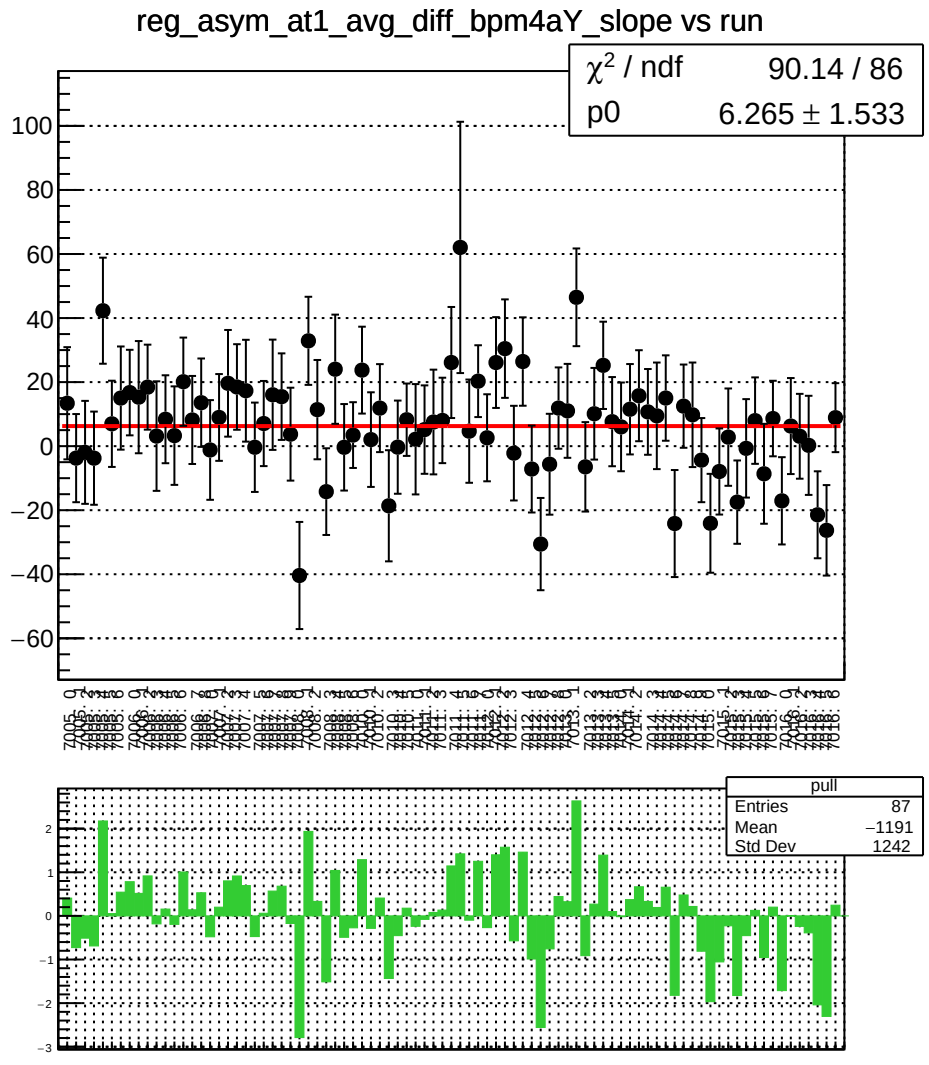

pull1D
Entries 87
Mean 0.0006954
Std Dev 0.4345

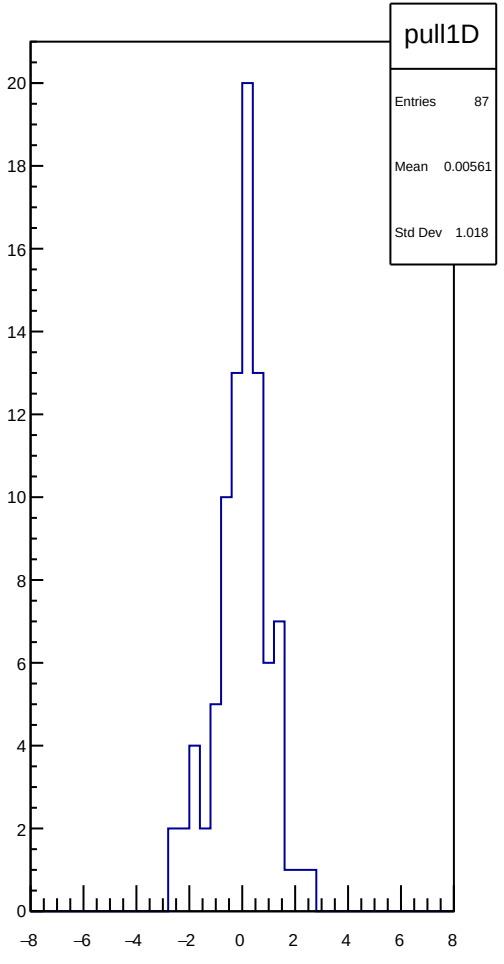

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 15.91 / 86
p0 121.1 ± 0.1749
pull
Entries 87
Mean 557.4
Std Dev 511

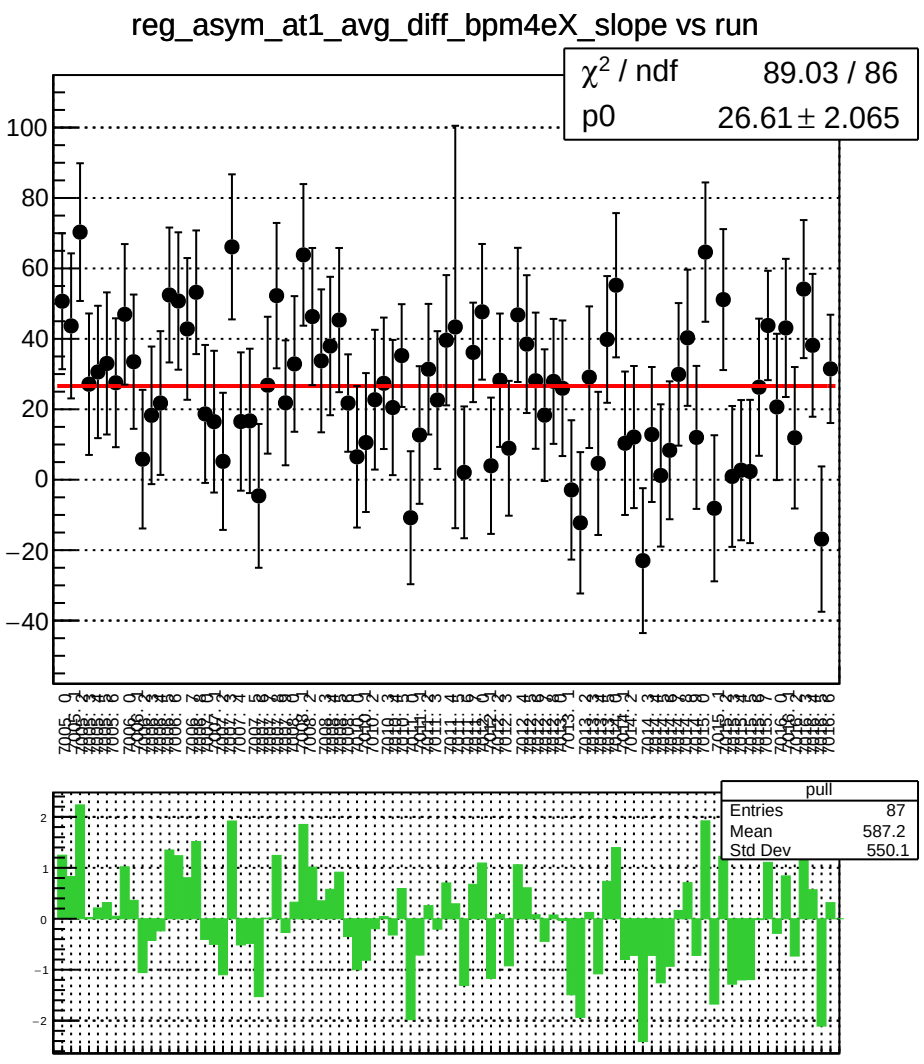

pull1D
Entries 87
Mean 0.005329
Std Dev 0.4276

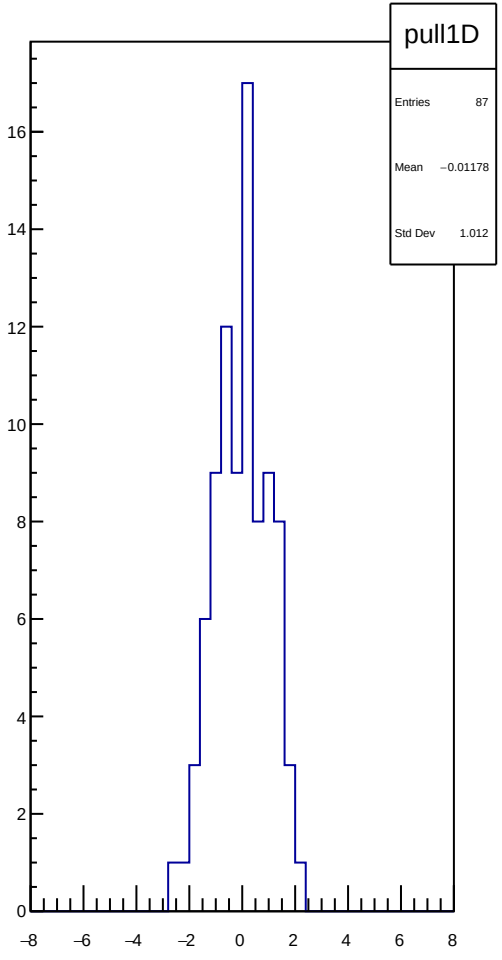

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 89.05 / 86
p0 −38.38 ± 2.225
pull
Entries 87
Mean 490
Std Dev 453.2

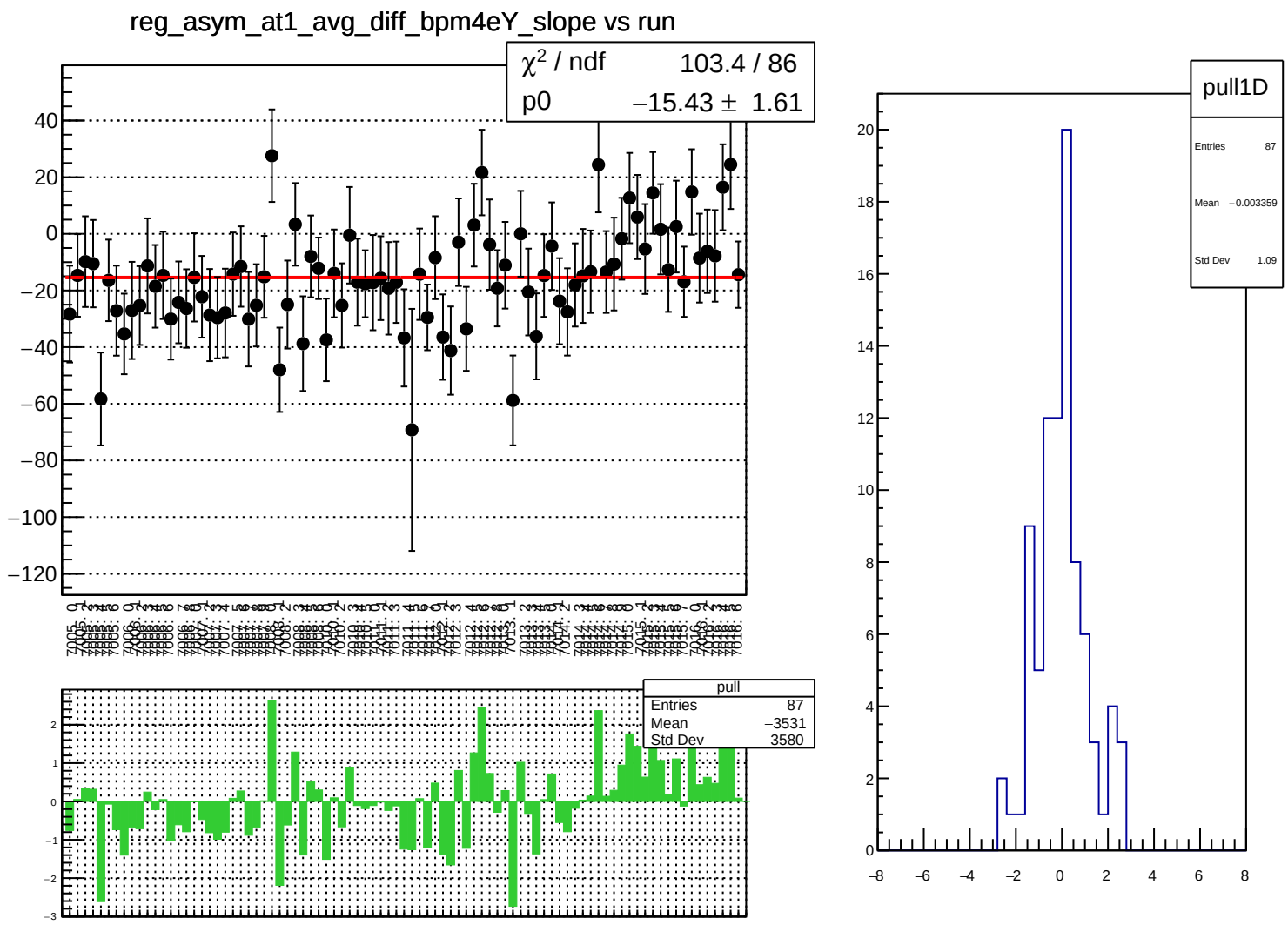

pull1D
Entries 87
Mean 0.01368
Std Dev 1.012

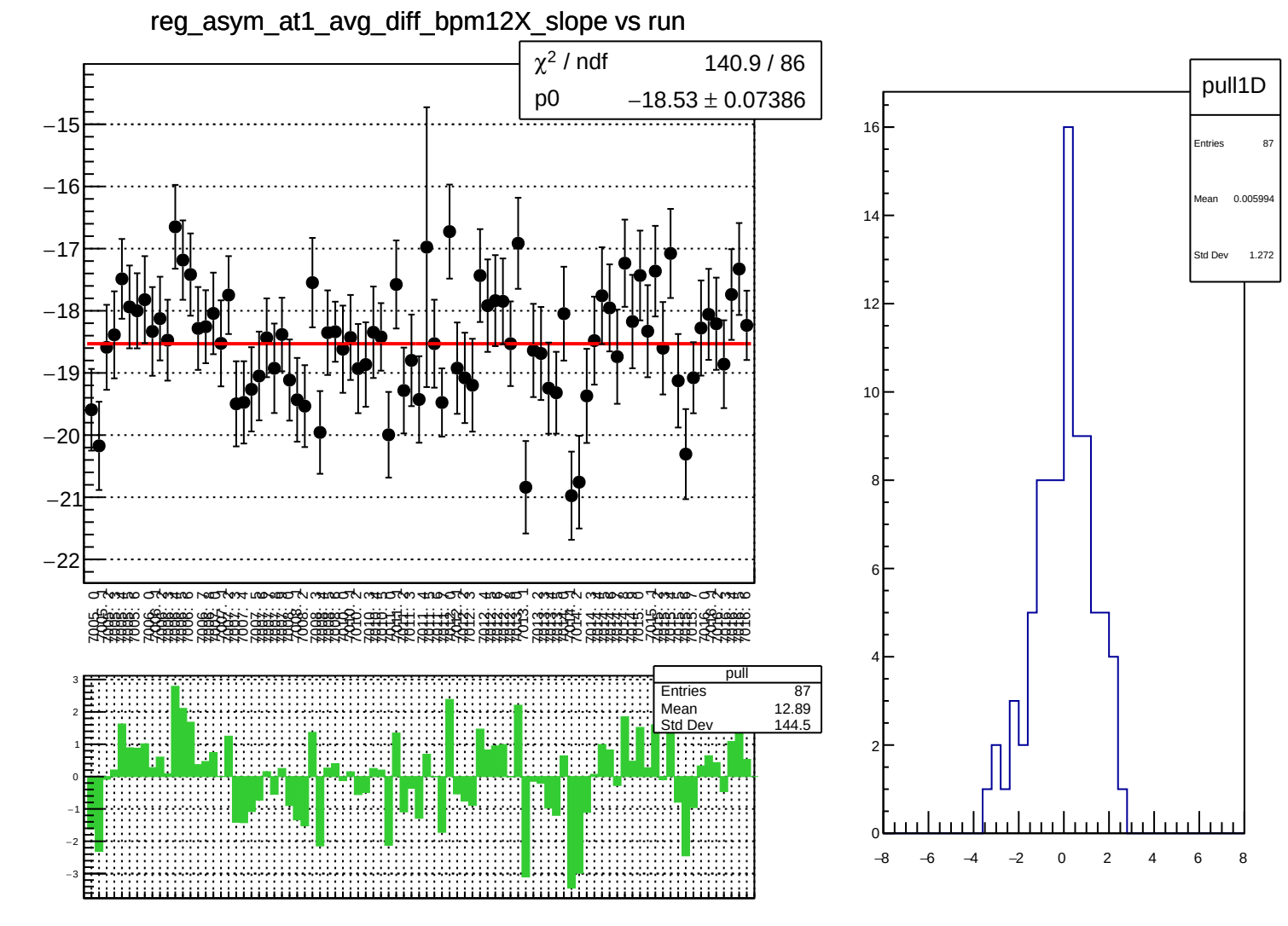

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.14 / 86
p0 6.265 ± 1.533
pull
Entries 87
Mean −1191
Std Dev 1242

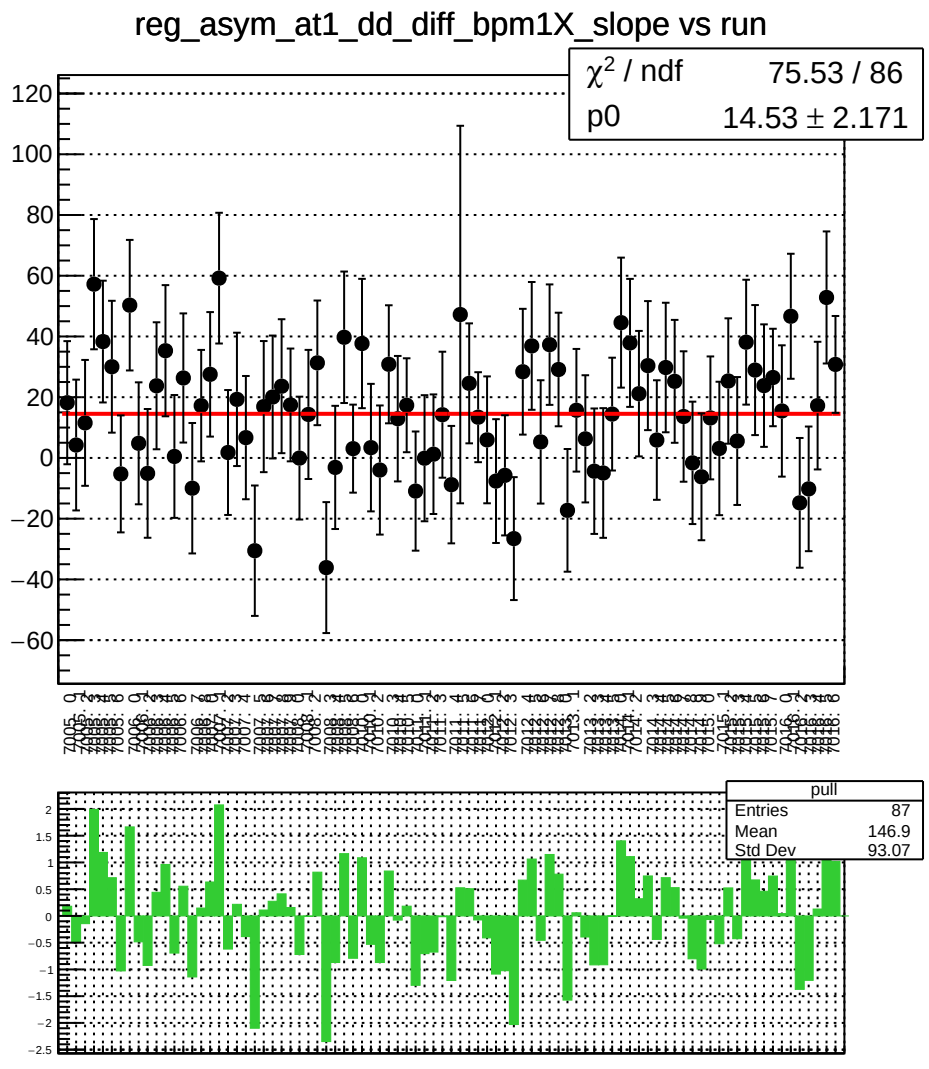

pull1D
Entries 87
Mean 0.00561
Std Dev 1.018

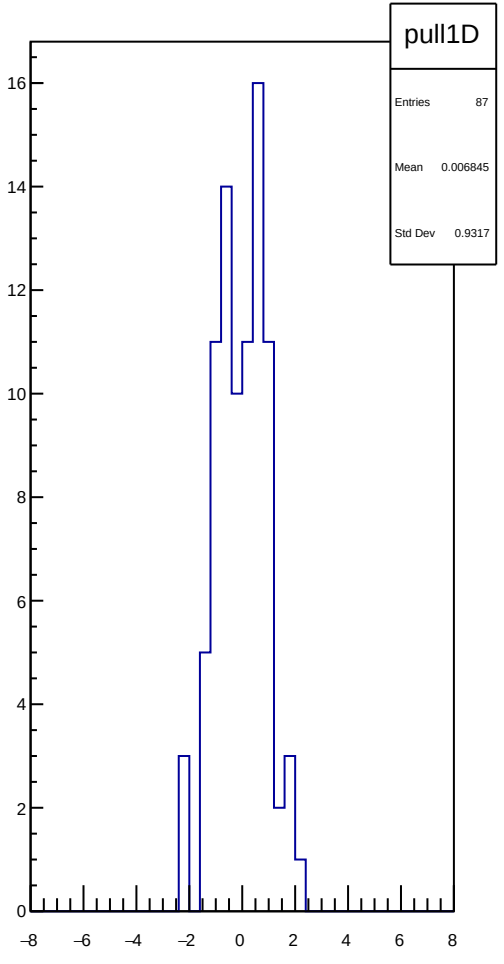

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.03 / 86
p0 26.61 ± 2.065
pull
Entries 87
Mean 587.2
Std Dev 550.1

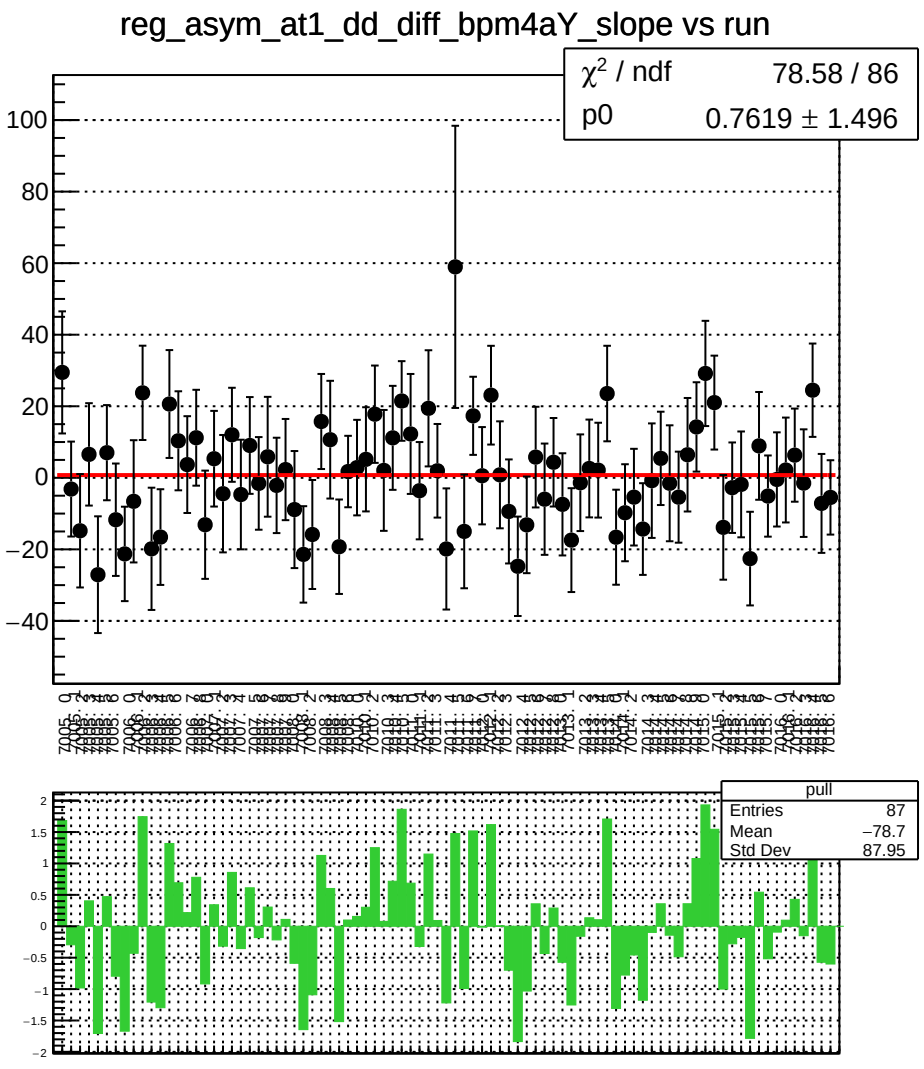

pull1D
Entries 87
Mean −0.01178
Std Dev 1.012

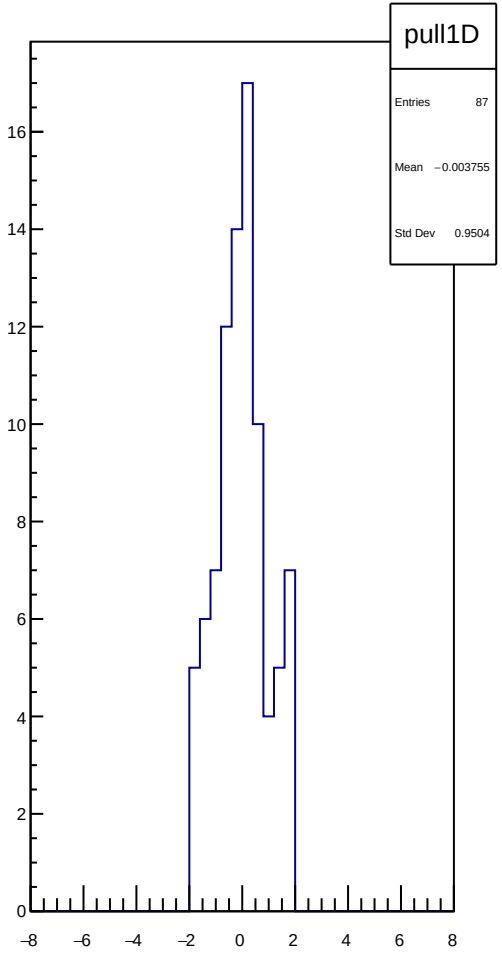

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 103.4 / 86
p0 −15.43 ± 1.61
pull
Entries 87
Mean −3531
Std Dev 3580
pull1D
Entries 87
Mean −0.003359
Std Dev 1.09

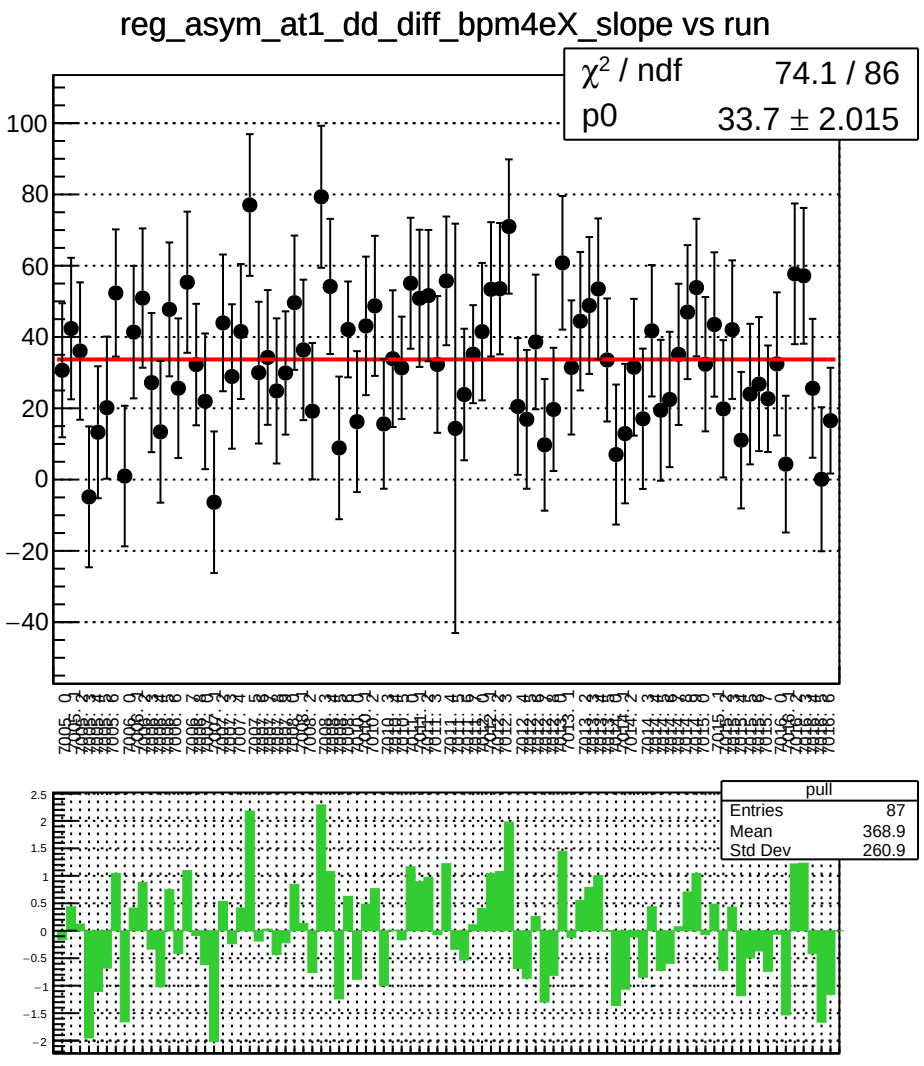

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 140.9 / 86
p0 −18.53 ± 0.07386
pull
Entries 87
Mean 12.89
Std Dev 144.5
pull1D
Entries 87
Mean 0.005994
Std Dev 1.272

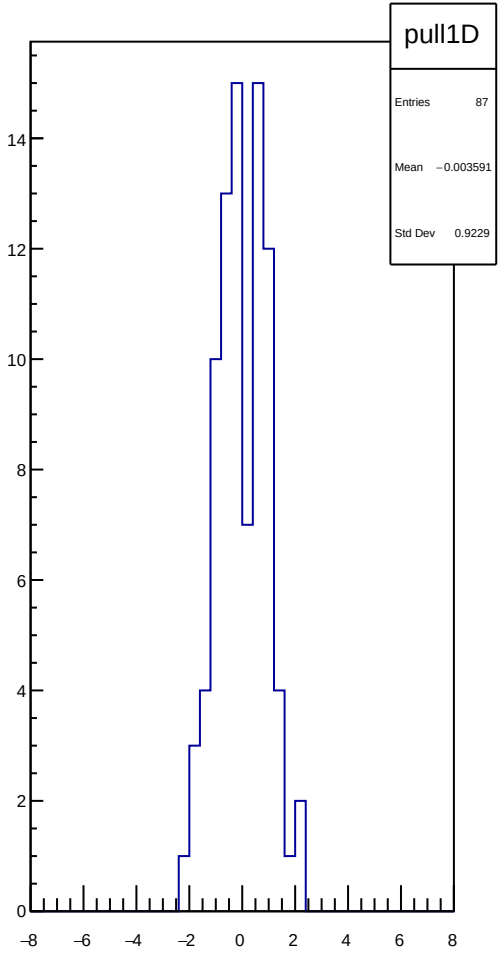

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 75.53 / 86
p0 14.53 ± 2.171
pull
Entries 87
Mean 146.9
Std Dev 93.07

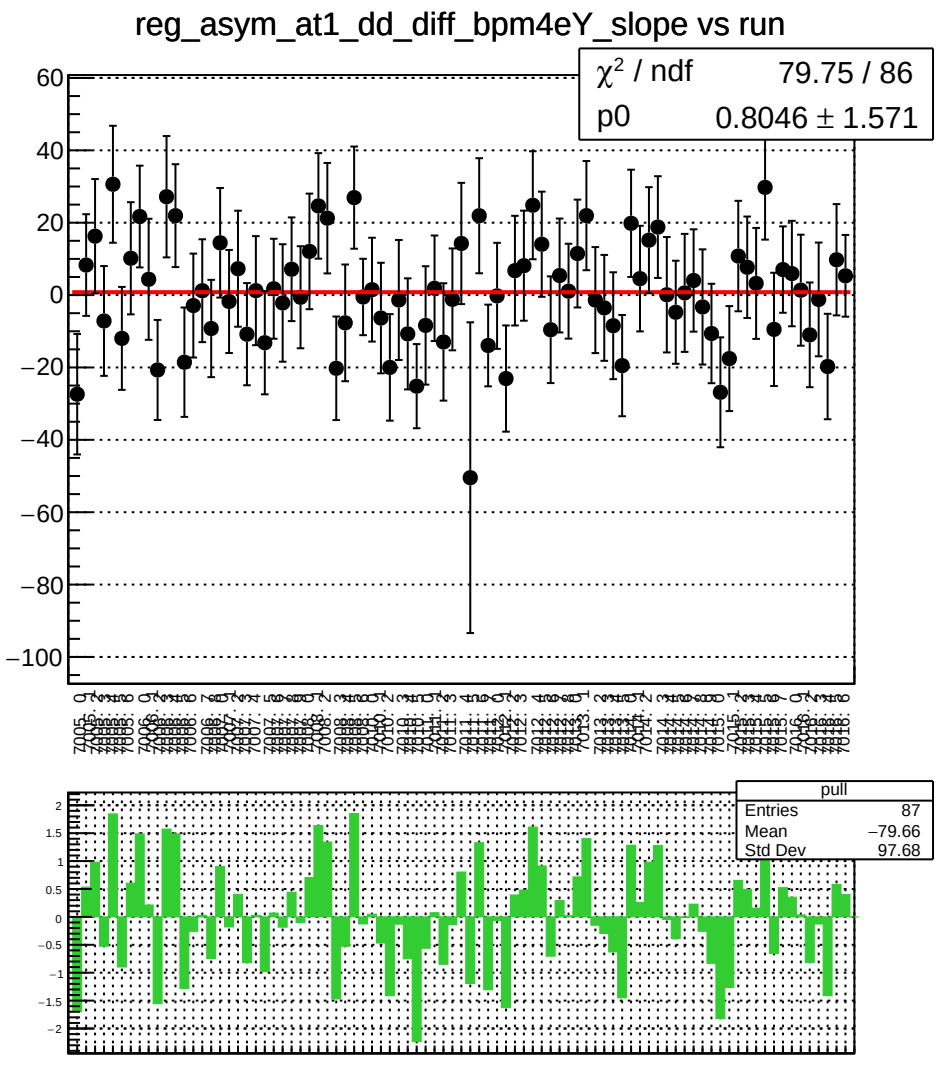

pull1D
Entries 87
Mean 0.006845
Std Dev 0.9317

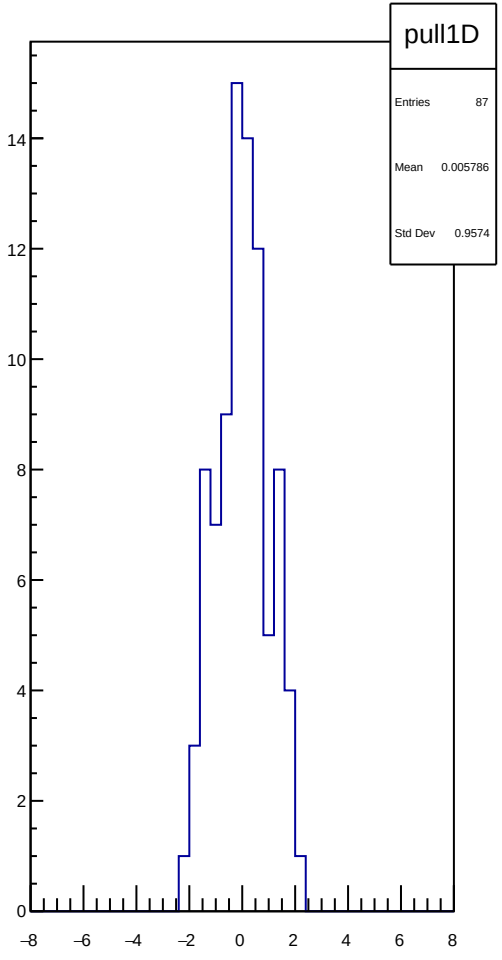

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.58 / 86
p0 0.7619 ± 1.496
pull
Entries 87
Mean −78.7
Std Dev 87.95

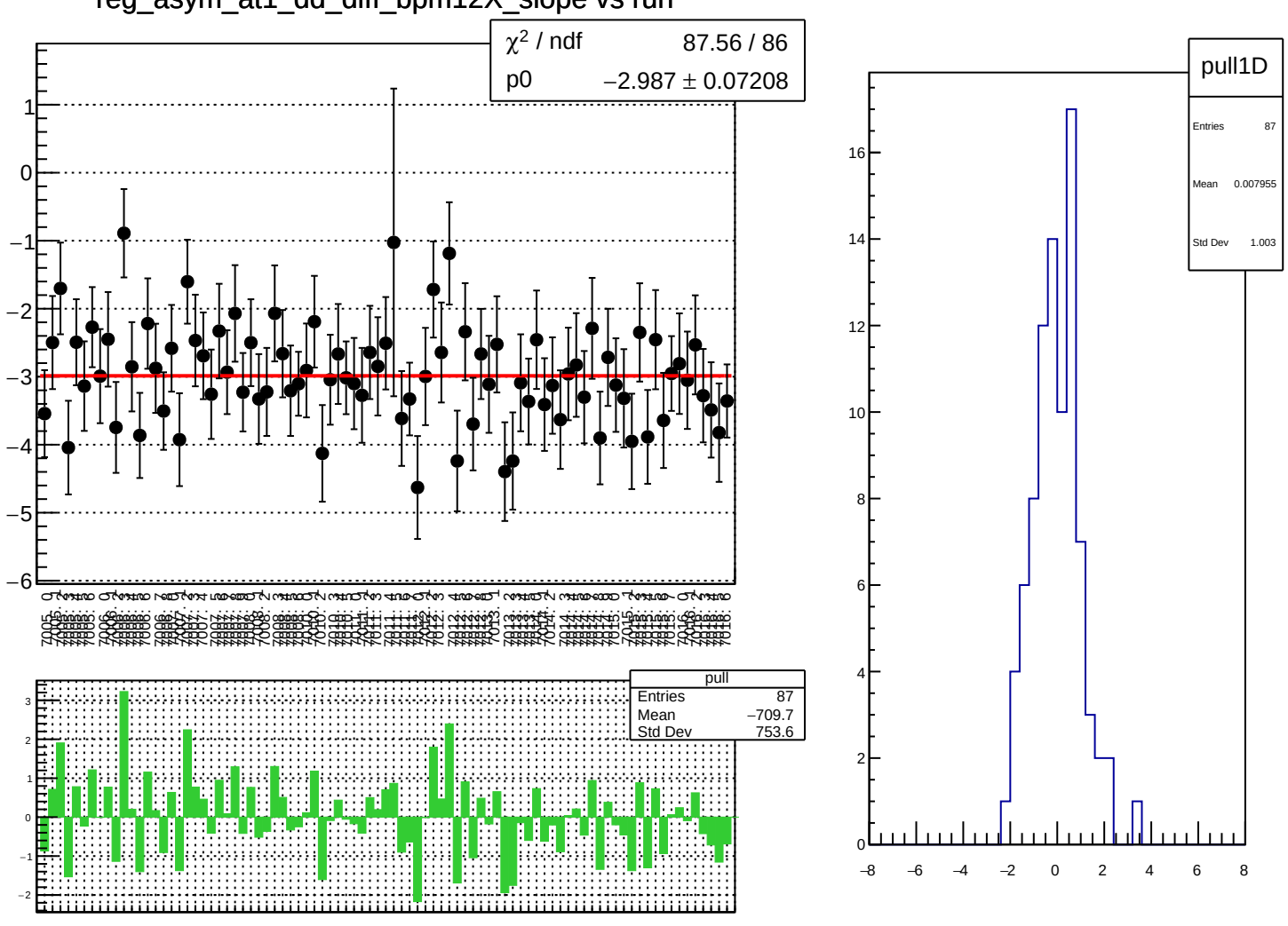

pull1D
Entries 87
Mean −0.003755
Std Dev 0.9504

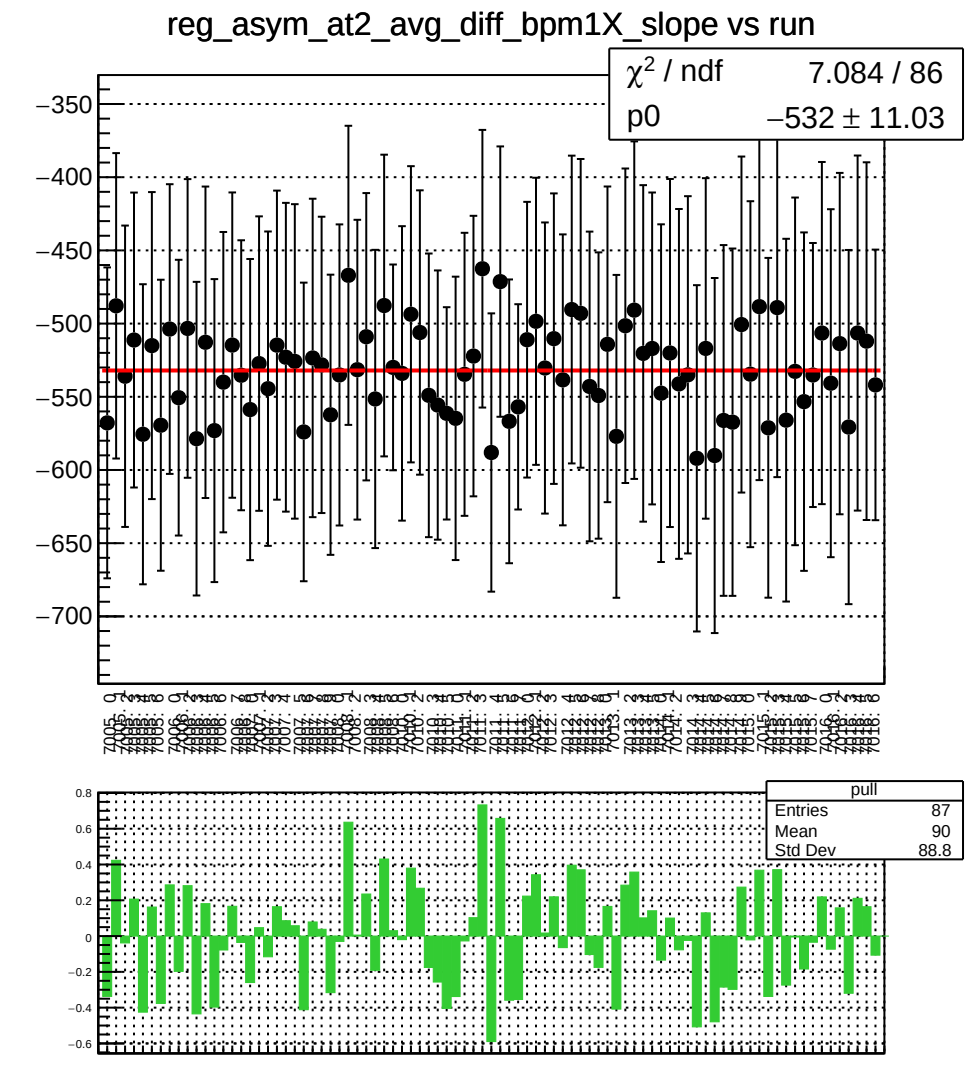

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.1 / 86
p0 33.7 ± 2.015
pull
Entries 87
Mean 368.9
Std Dev 260.9

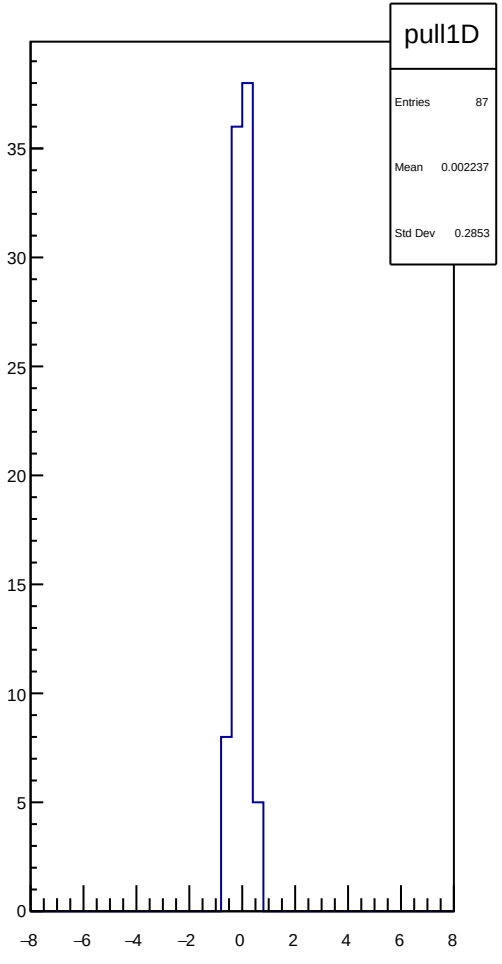

pull1D
Entries 87
Mean −0.003591
Std Dev 0.9229

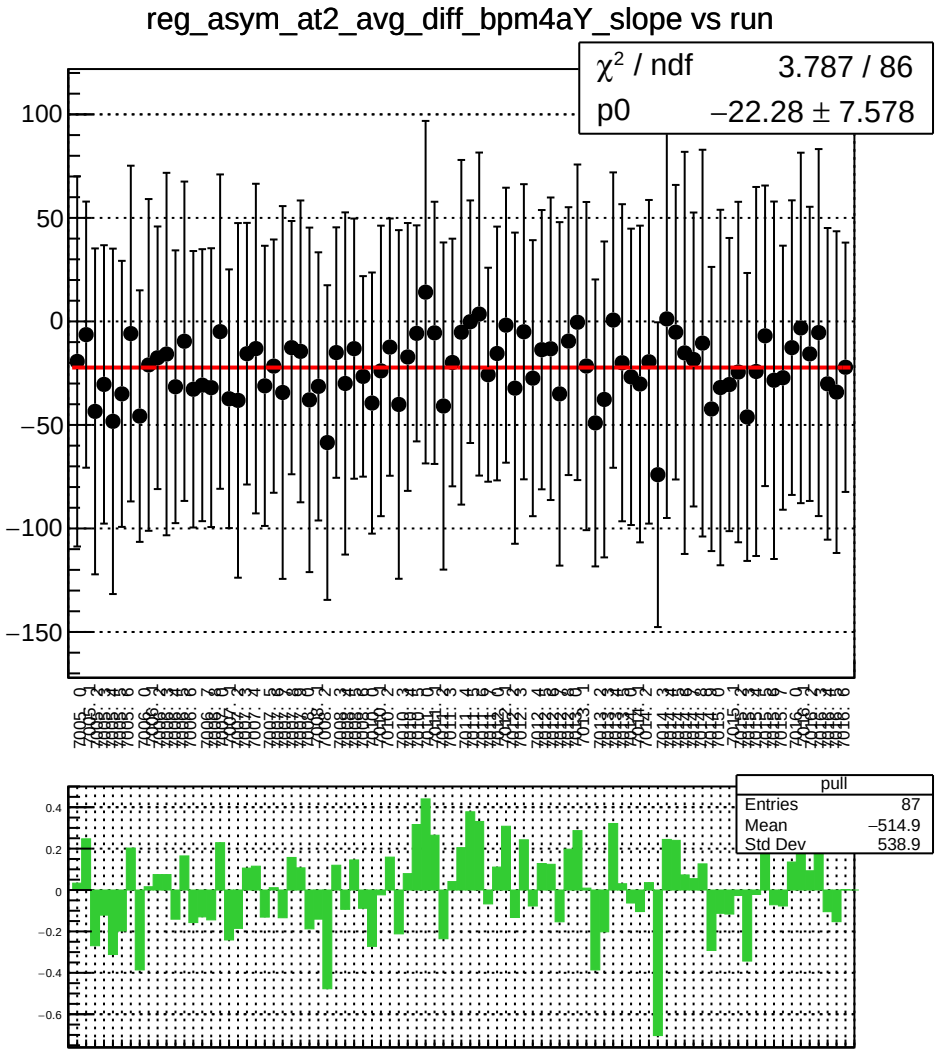

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.75 / 86
p0 0.8046 ± 1.571
pull
Entries 87
Mean −79.66
Std Dev 97.68

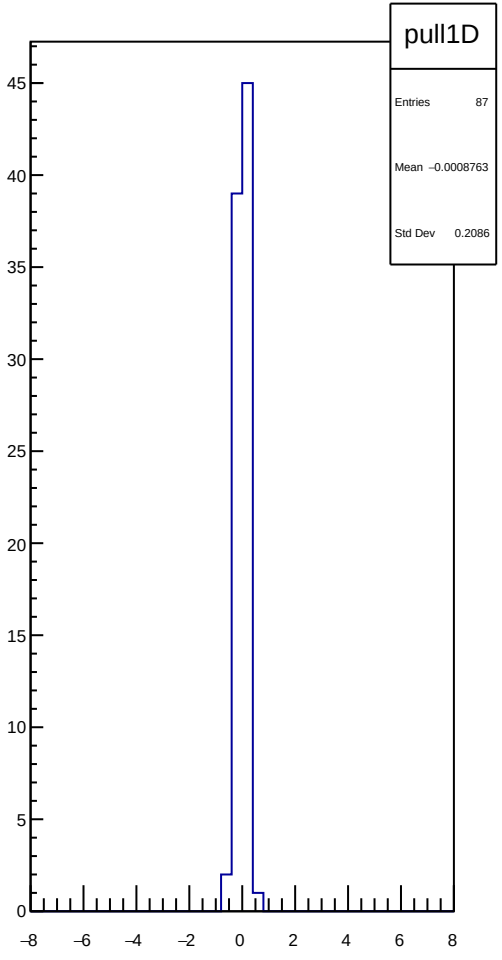

pull1D
Entries 87
Mean 0.005786
Std Dev 0.9574

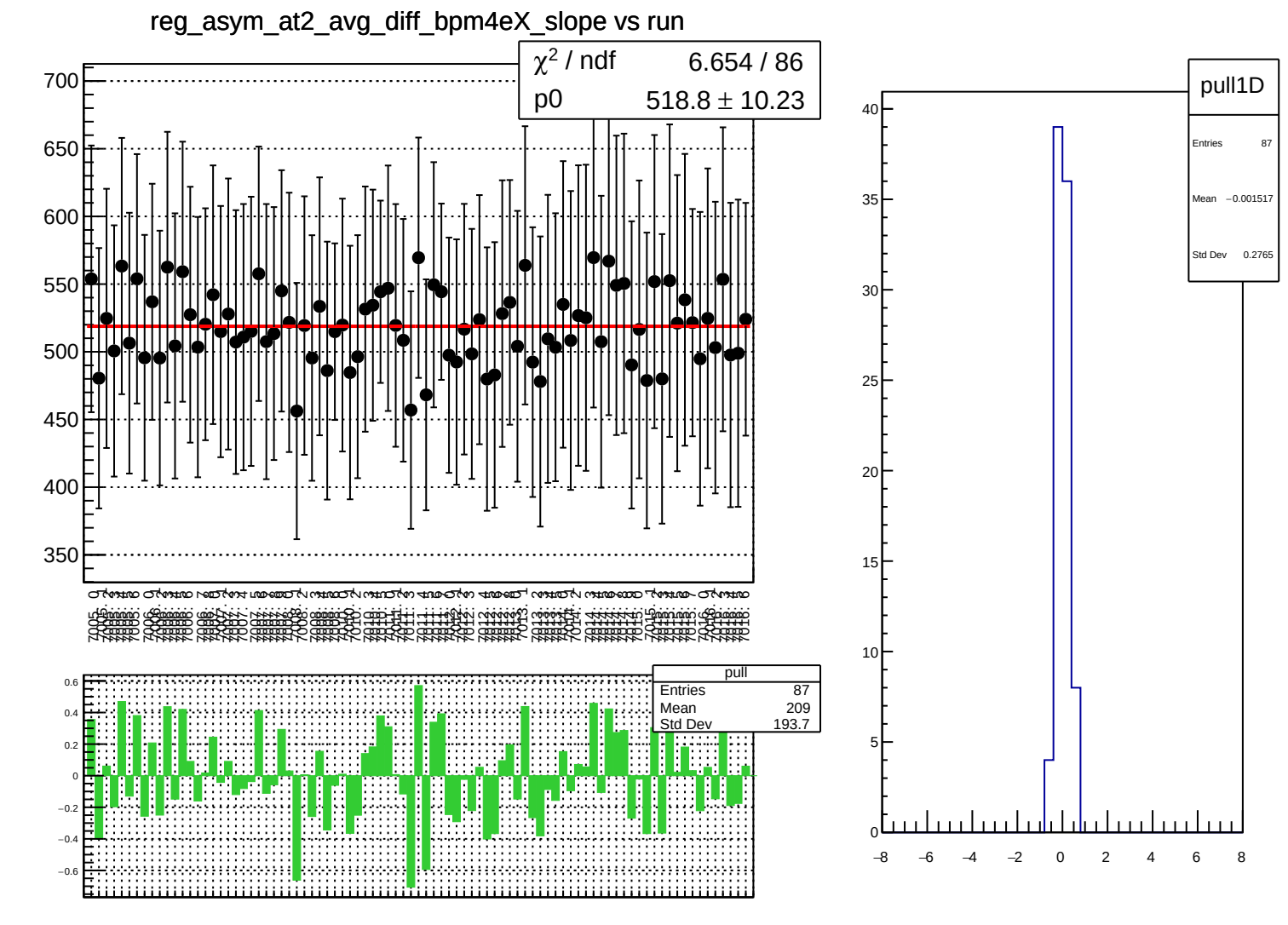

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 87.56 / 86
p0 −2.987 ± 0.07208
pull
Entries 87
Mean −709.7
Std Dev 753.6
pull1D
Entries 87
Mean 0.007955
Std Dev 1.003

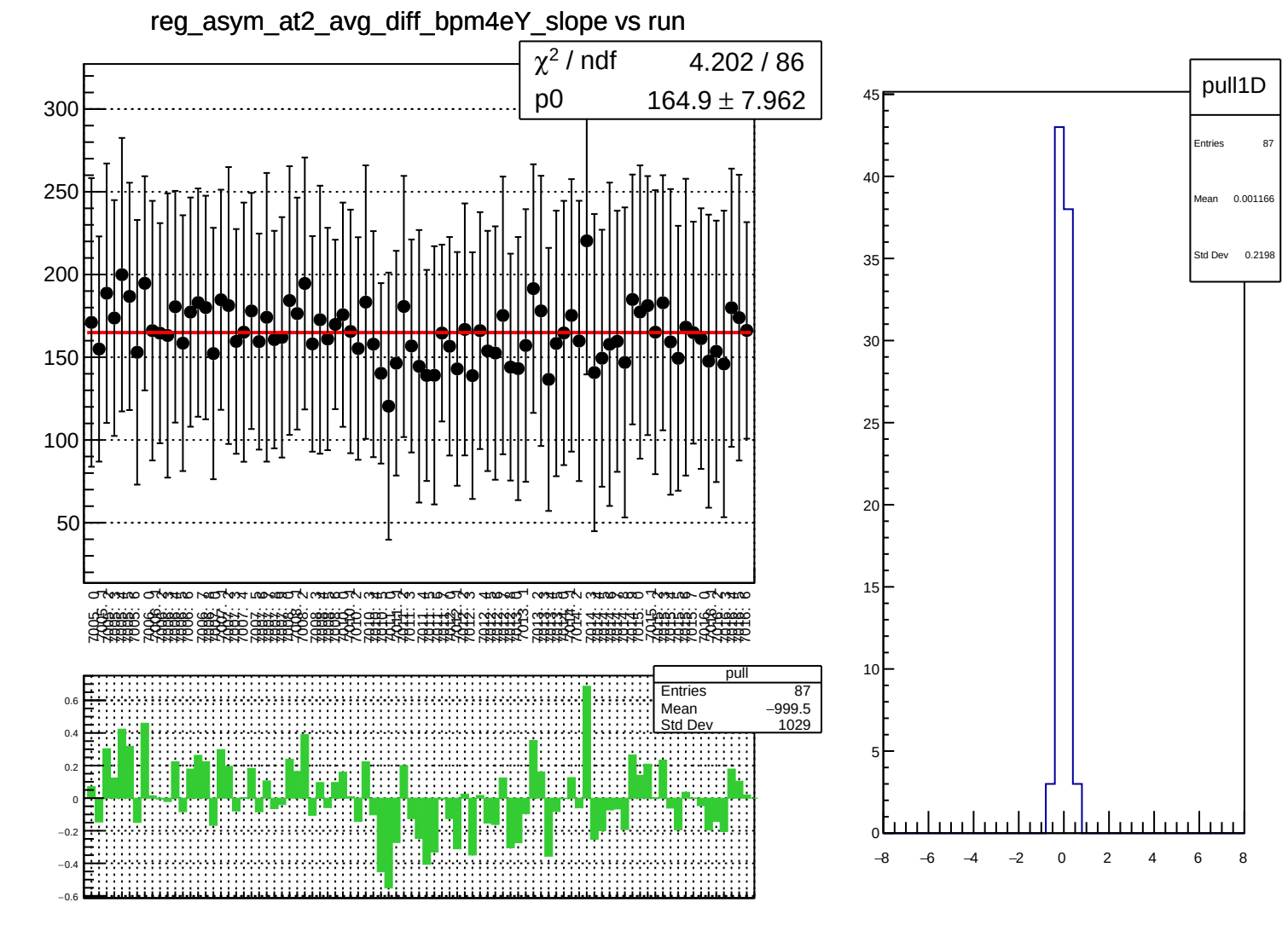

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.084 / 86
p0 −532 ± 11.03
pull
Entries 87
Mean 90
Std Dev 88.8

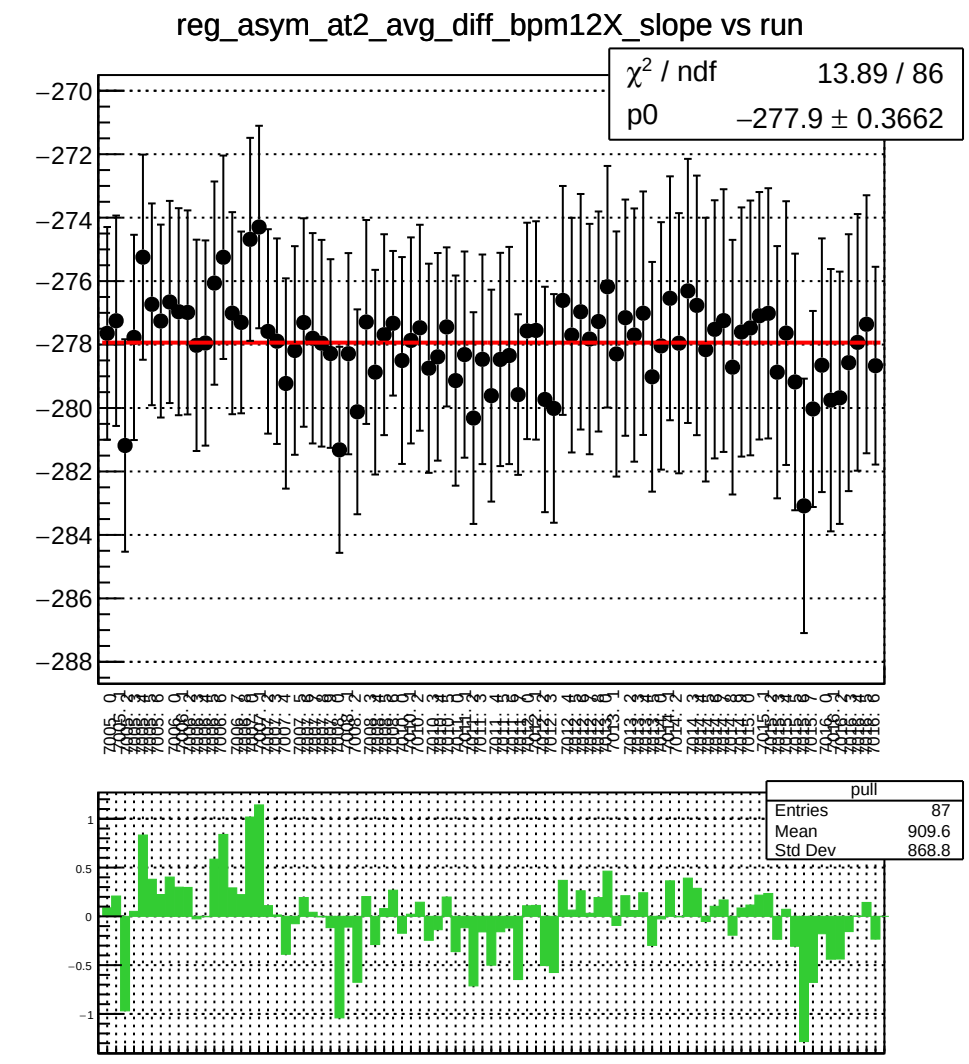

pull1D
Entries 87
Mean 0.002237
Std Dev 0.2853

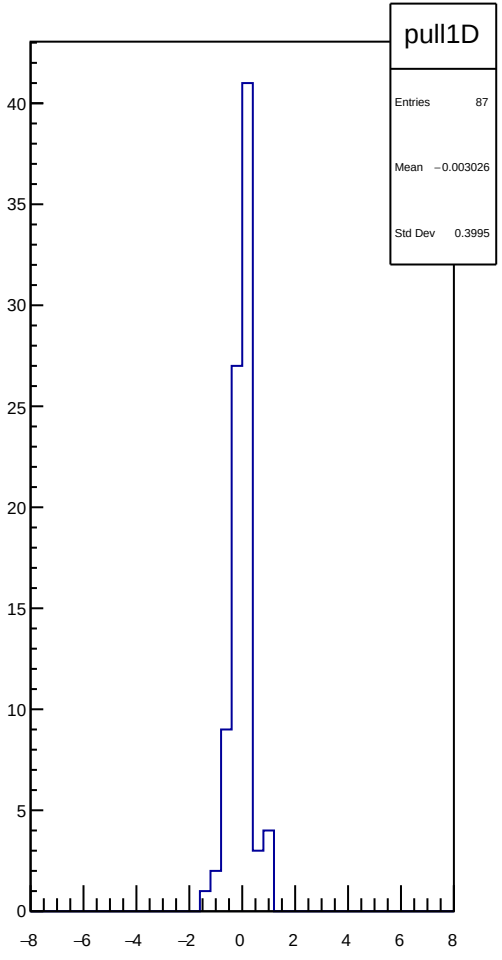

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.787 / 86
p0 −22.28 ± 7.578
100
50
0
−50
−100
−150
pull
Entries 87
Mean −514.9
Std Dev 538.9
0.4
0.2
0
−0.2
−0.4
−0.6

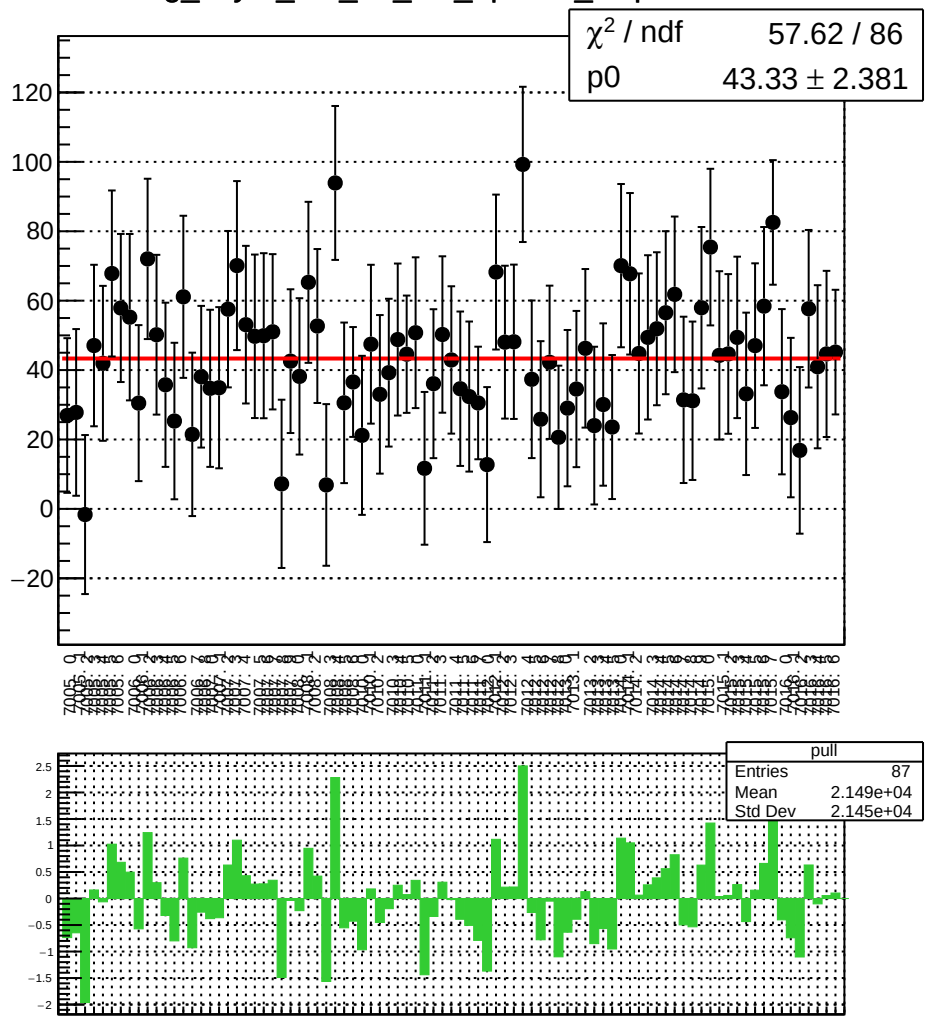

pull1D
Entries 87
Mean −0.0008763
Std Dev 0.2086
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

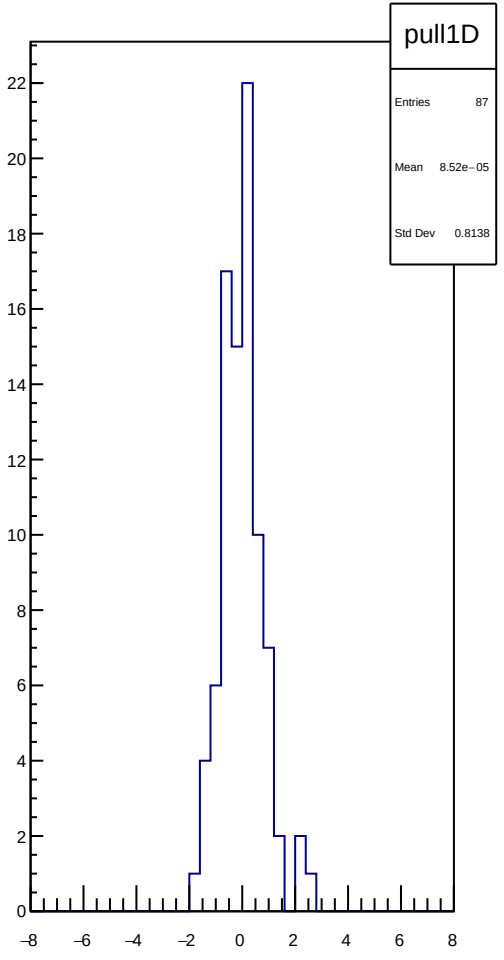

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.654 / 86
p0 518.8 ± 10.23
700
650
600
550
500
450
400
350
pull
Entries 87
Mean 209
Std Dev 193.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.001517
Std Dev 0.2765
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

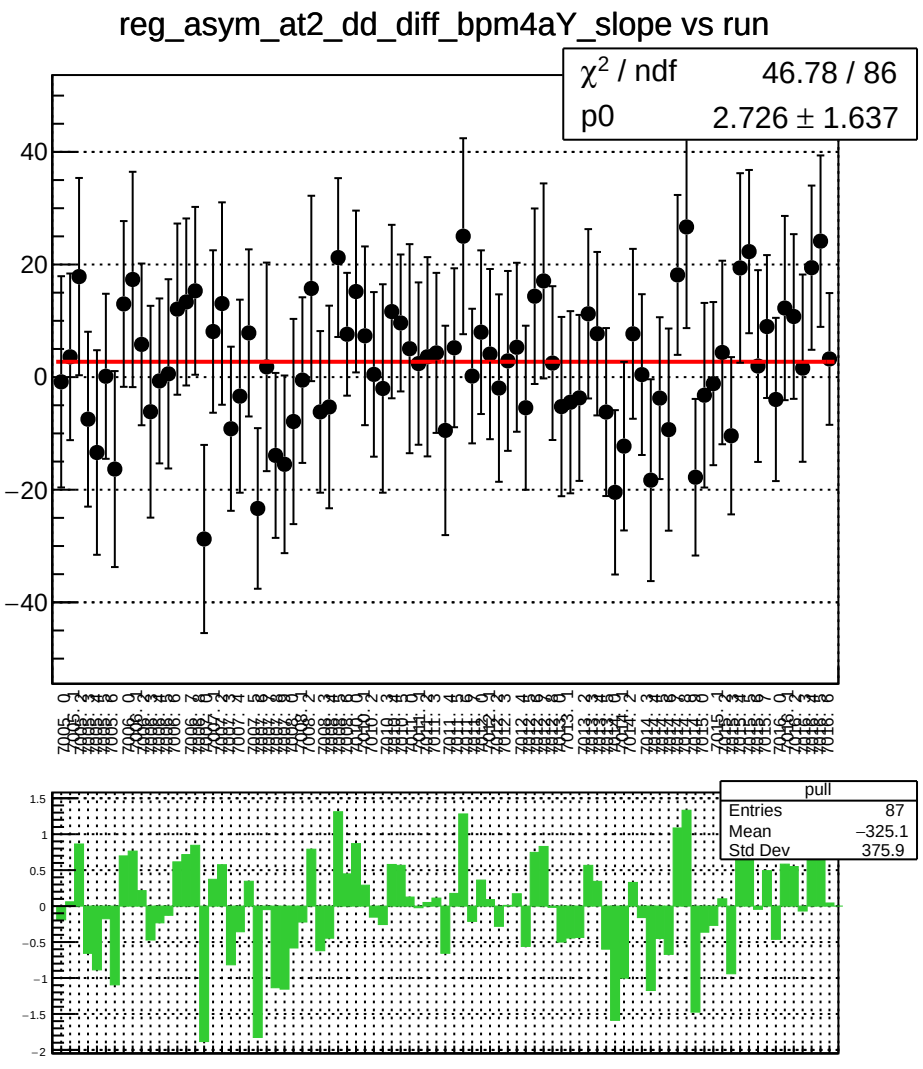

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.202 / 86
p0 164.9 ± 7.962
300
250
200
150
100
50
pull
Entries 87
Mean −999.5
Std Dev 1029
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.001166
Std Dev 0.2198
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

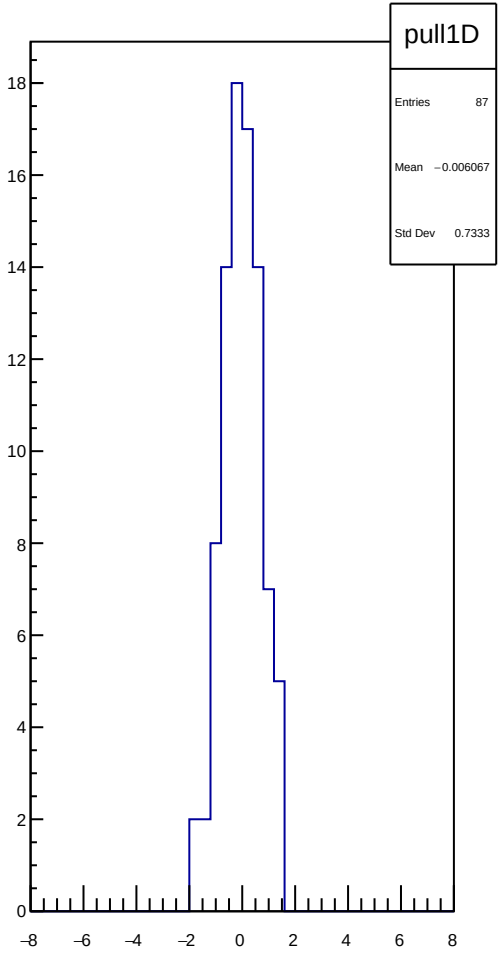

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.89 / 86
p0 −277.9 ± 0.3662
pull
Entries 87
Mean 909.6
Std Dev 868.8

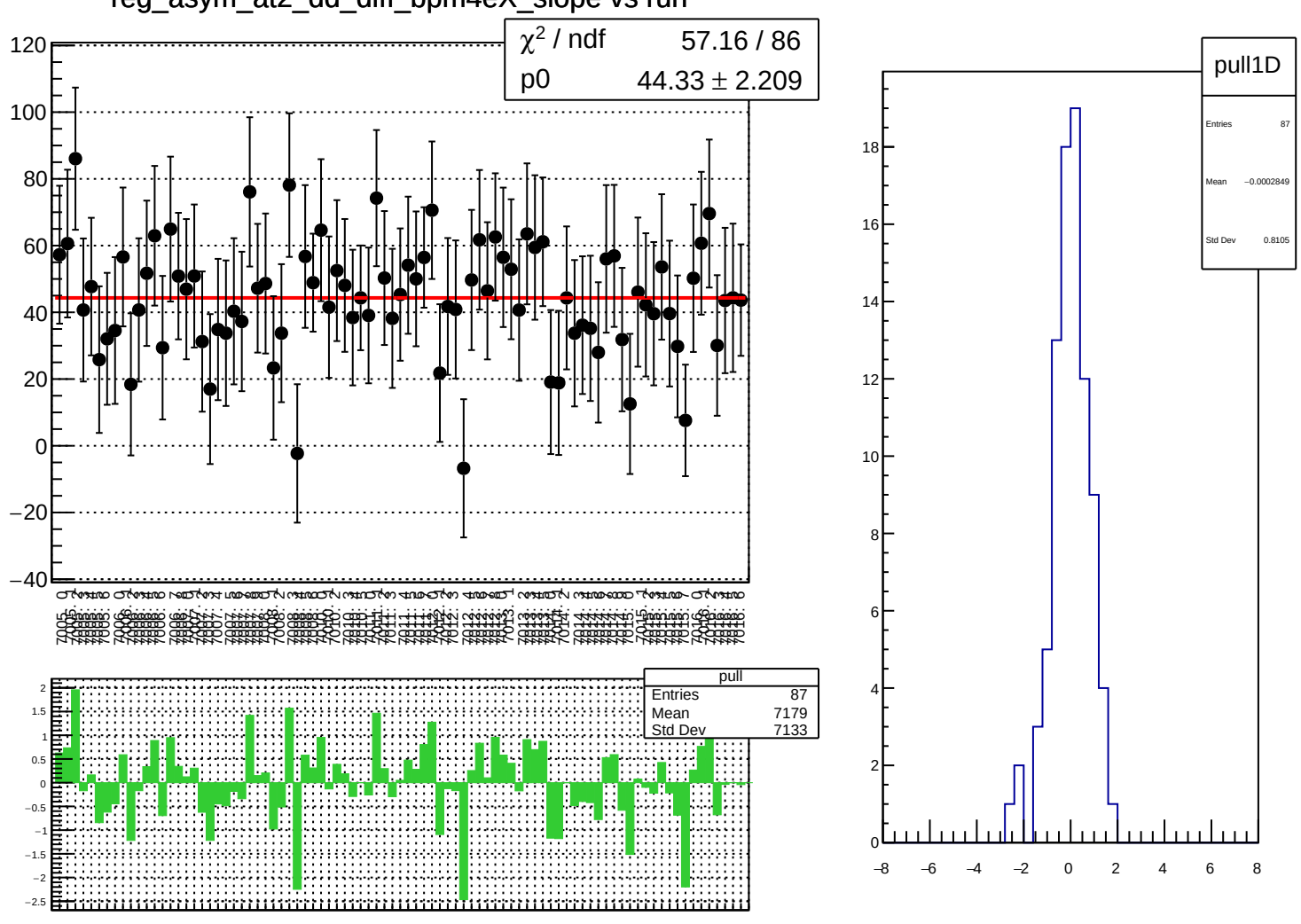

pull1D
Entries 87
Mean −0.003026
Std Dev 0.3995

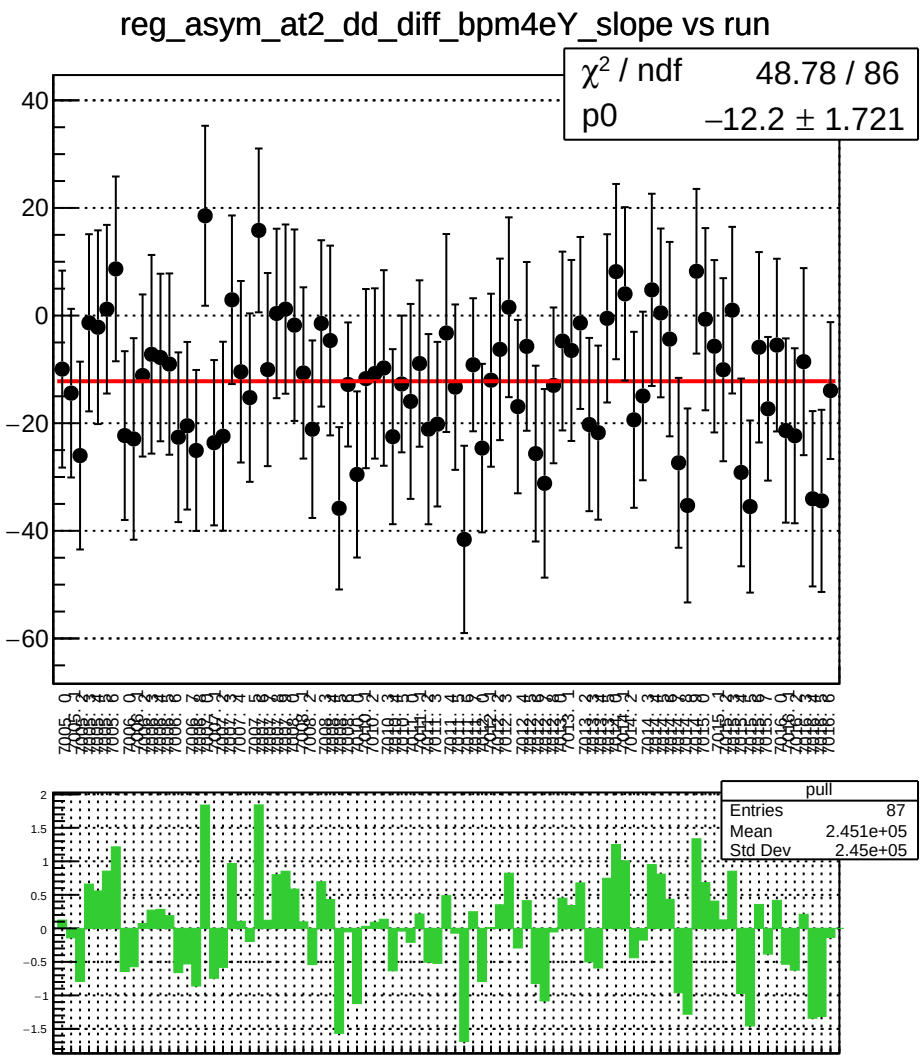

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 57.62 / 86
p0 43.33 ± 2.381
pull
Entries 87
Mean 2.149e+04
Std Dev 2.145e+04

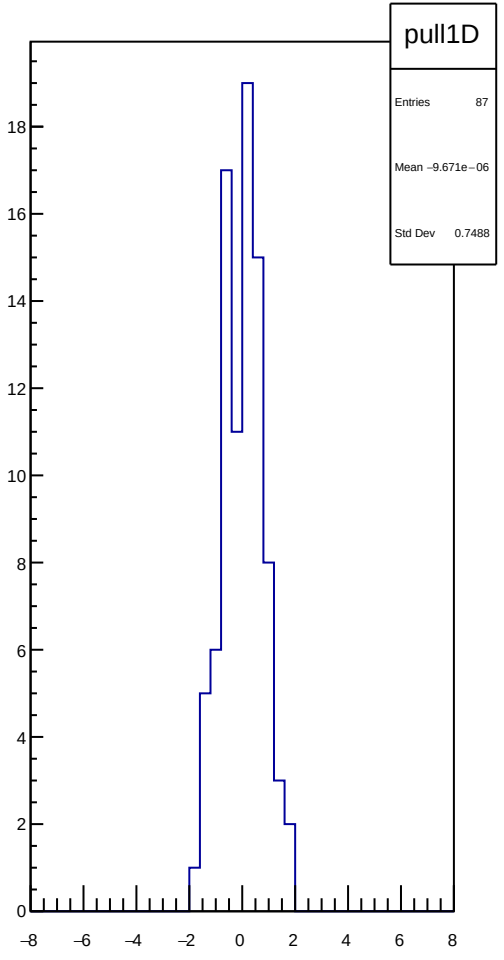

pull1D
Entries 87
Mean 8.52e−05
Std Dev 0.8138

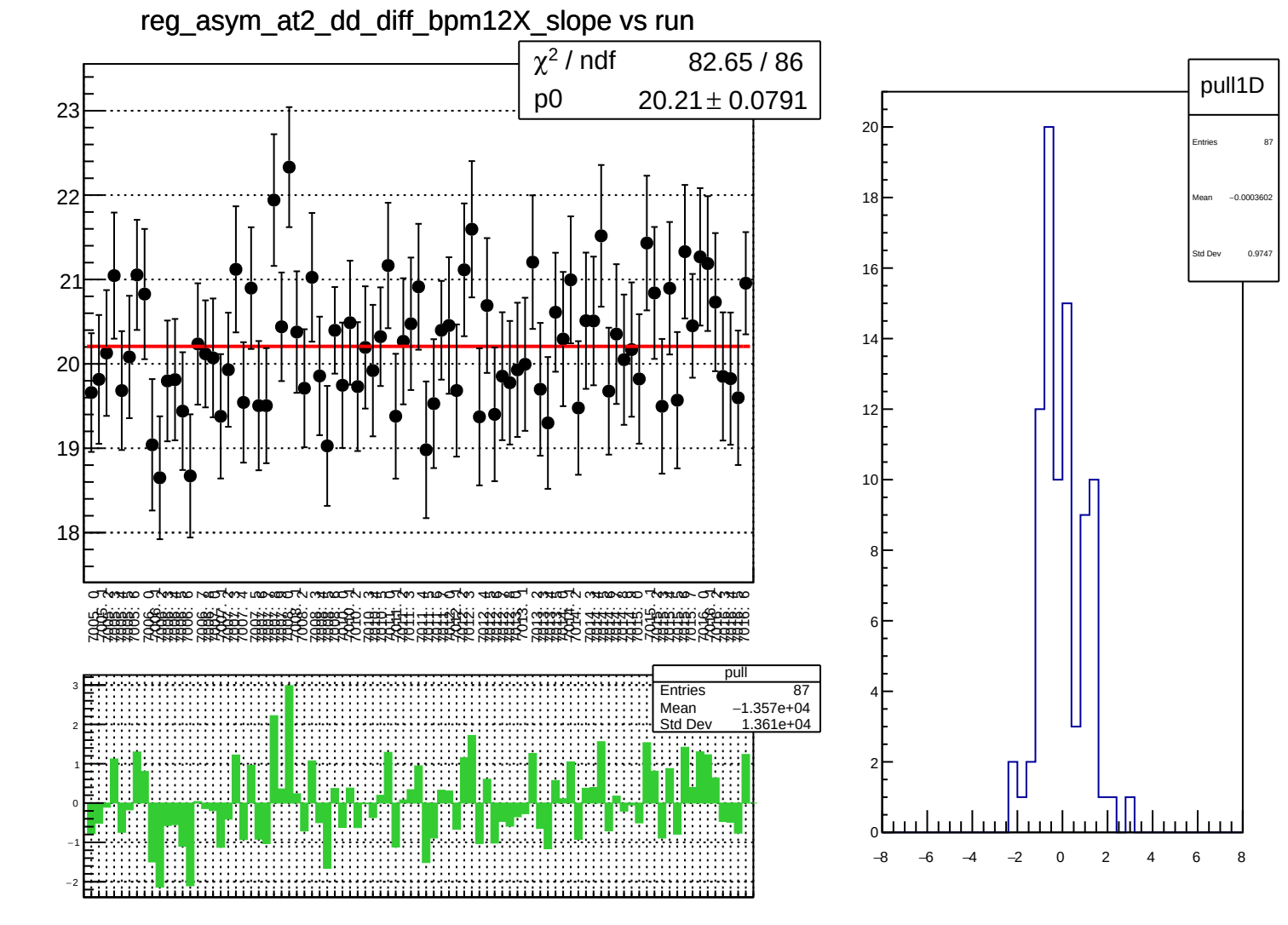

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.78 / 86
p0 2.726 ± 1.637
pull
Entries 87
Mean −325.1
Std Dev 375.9

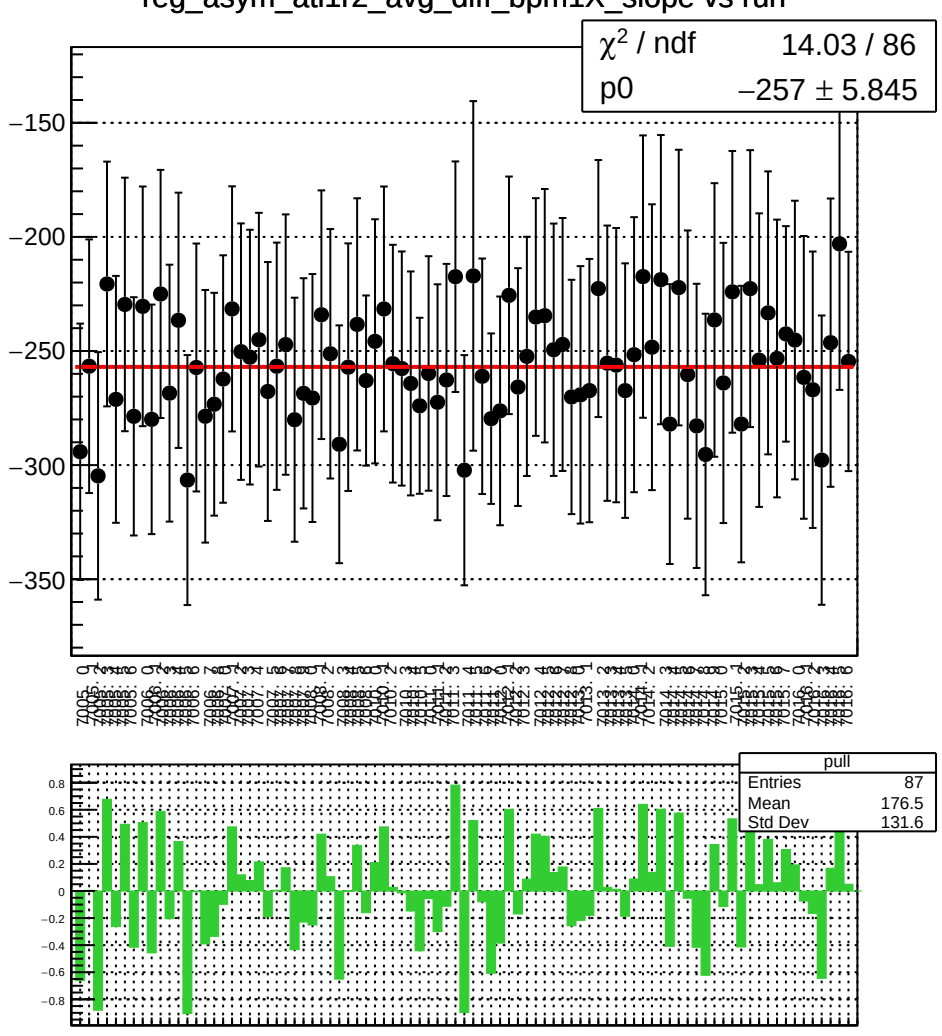

pull1D
Entries 87
Mean −0.006067
Std Dev 0.7333

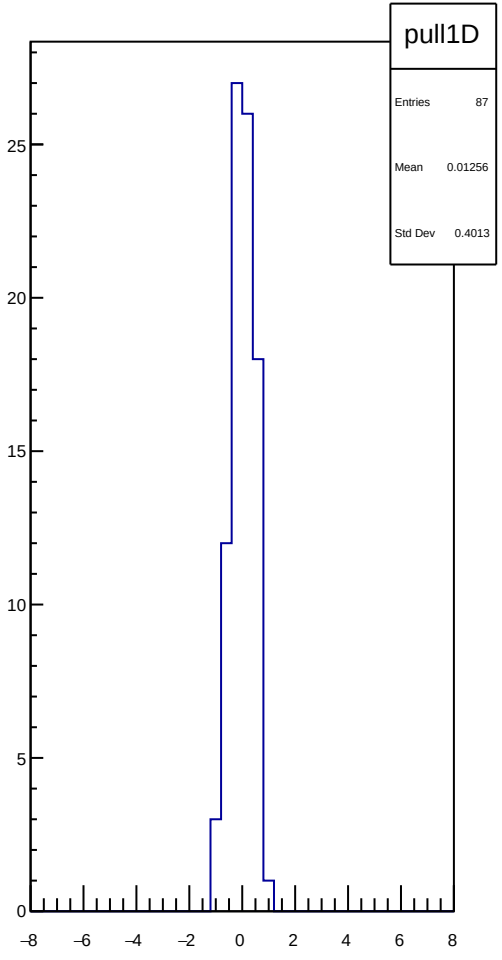

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 57.16 / 86
p0 44.33 ± 2.209
pull
Entries 87
Mean 7179
Std Dev 7133
pull1D
Entries 87
Mean −0.0002849
Std Dev 0.8105

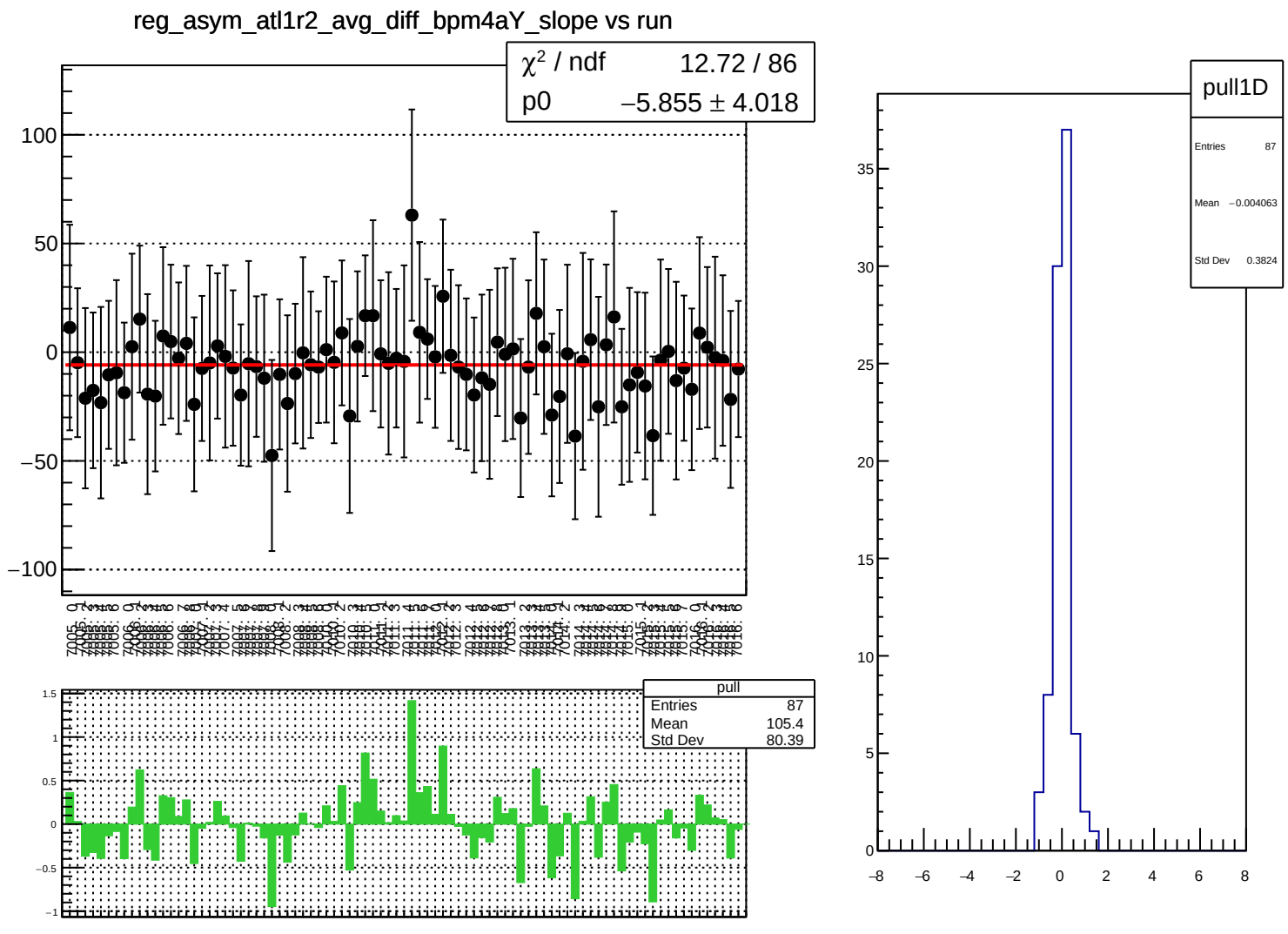

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.78 / 86
p0 −12.2 ± 1.721
pull
Entries 87
Mean 2.451e+05
Std Dev 2.45e+05

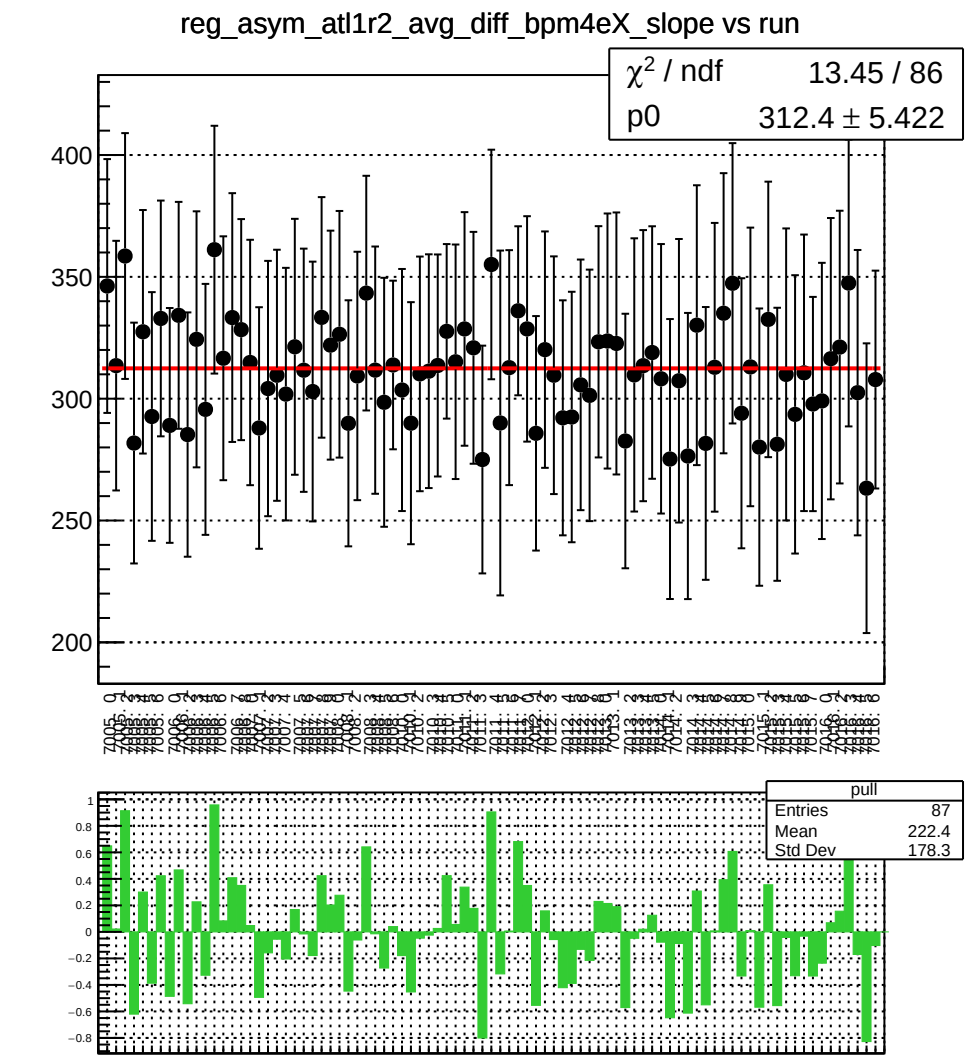

pull1D
Entries 87
Mean −9.671e−06
Std Dev 0.7488

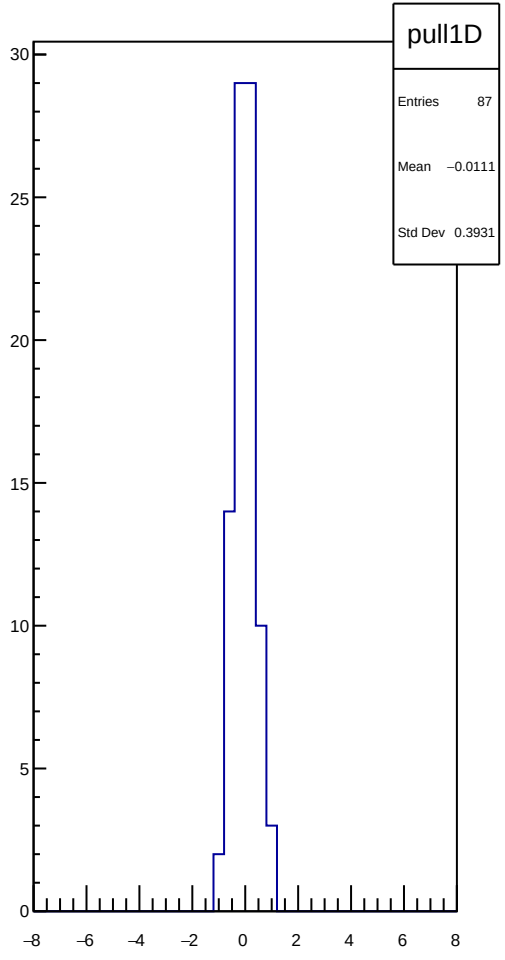

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 82.65 / 86
p0 20.21 ± 0.0791
pull
Entries 87
Mean −1.357e+04
Std Dev 1.361e+04
pull1D
Entries 87
Mean −0.0003602
Std Dev 0.9747

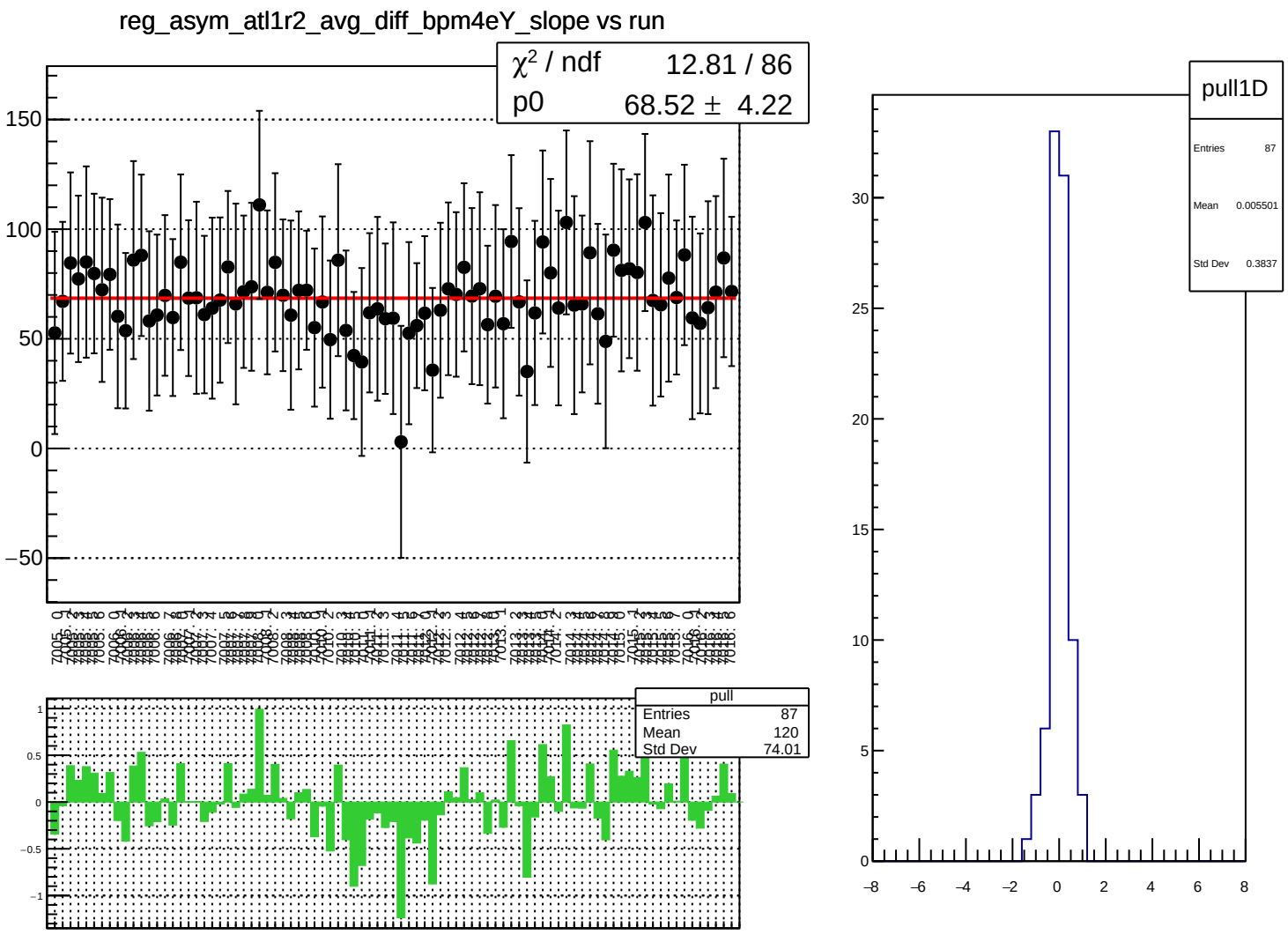

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.03 / 86
p0 −257 ± 5.845
−150
−200
−250
−300
−350
pull
Entries 87
Mean 176.5
Std Dev 131.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

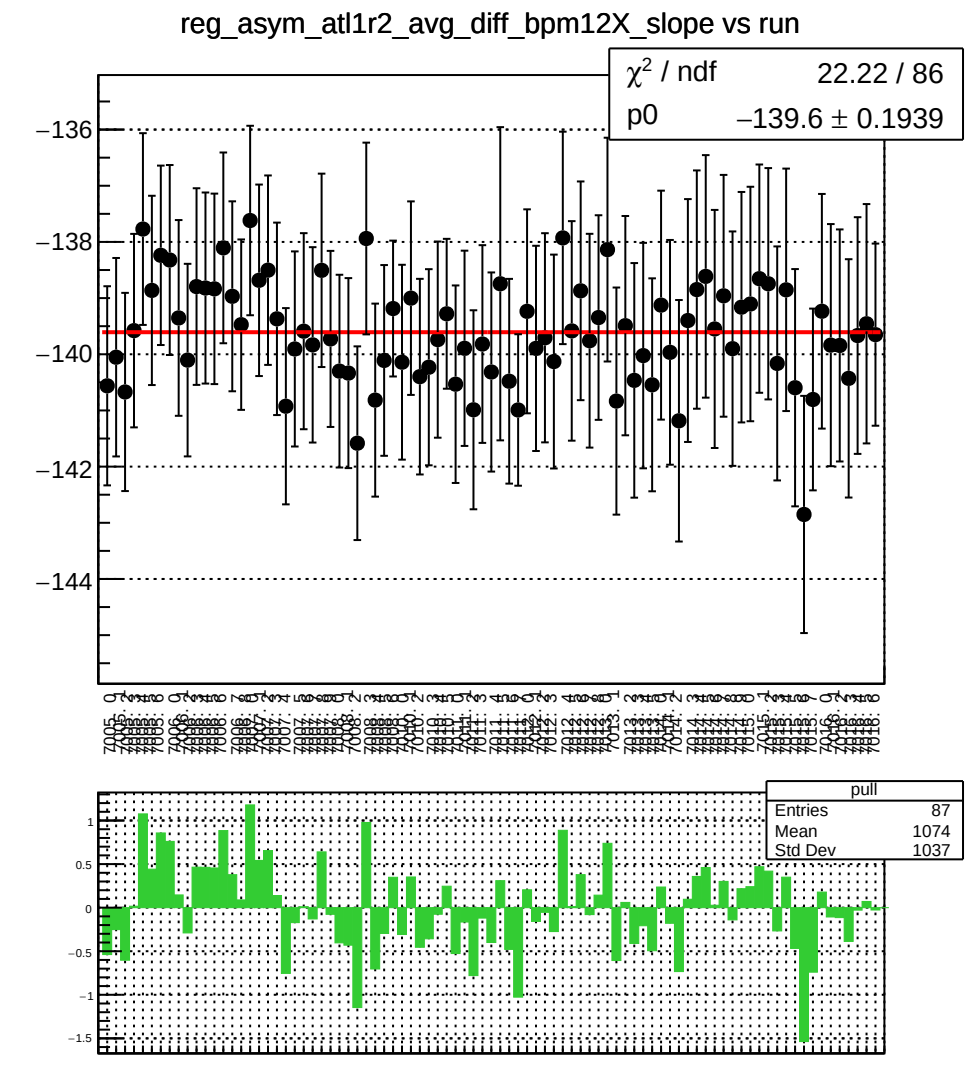

pull1D
Entries 87
Mean 0.01256
Std Dev 0.4013
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

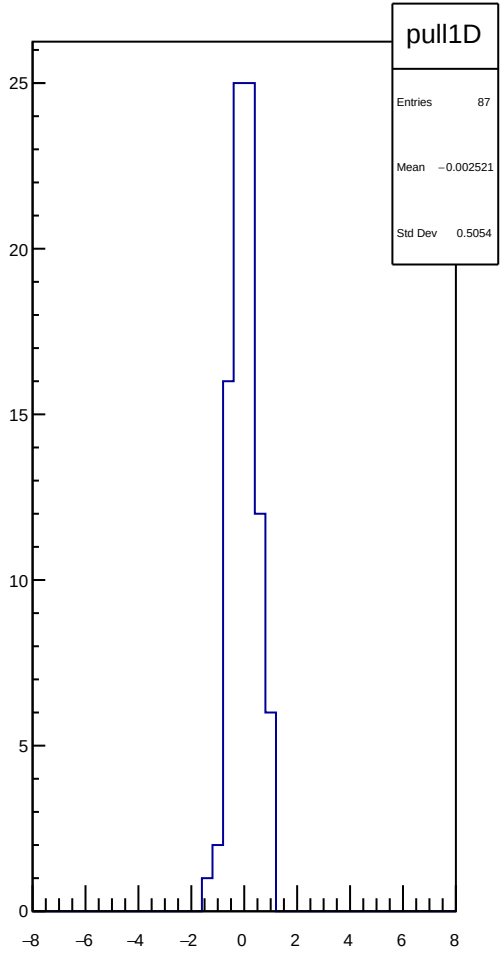

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.72 / 86
p0 −5.855 ± 4.018
100
50
0
−50
−100
pull
Entries 87
Mean 105.4
Std Dev 80.39
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.004063
Std Dev 0.3824
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

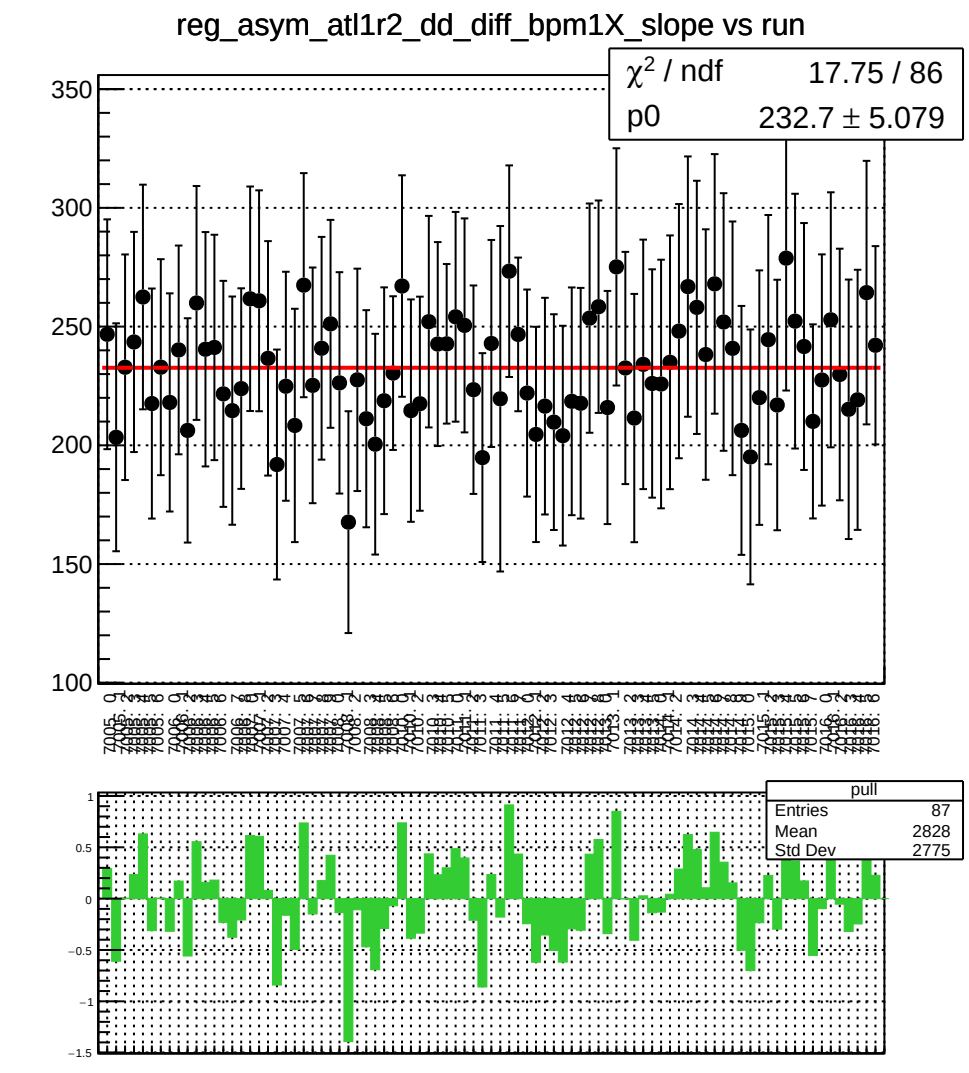

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.45 / 86
p0 312.4 ± 5.422
400
350
300
250
200
pull
Entries 87
Mean 222.4
Std Dev 178.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

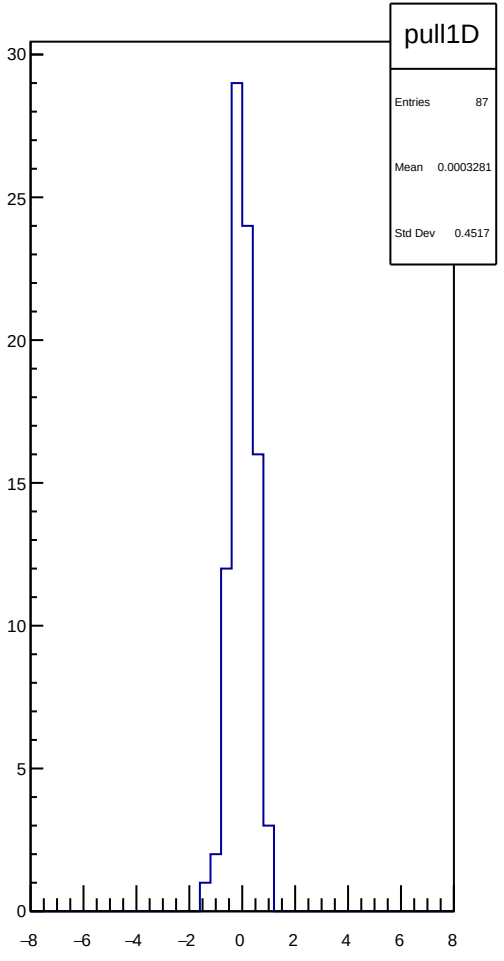

pull1D
Entries 87
Mean −0.0111
Std Dev 0.3931
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

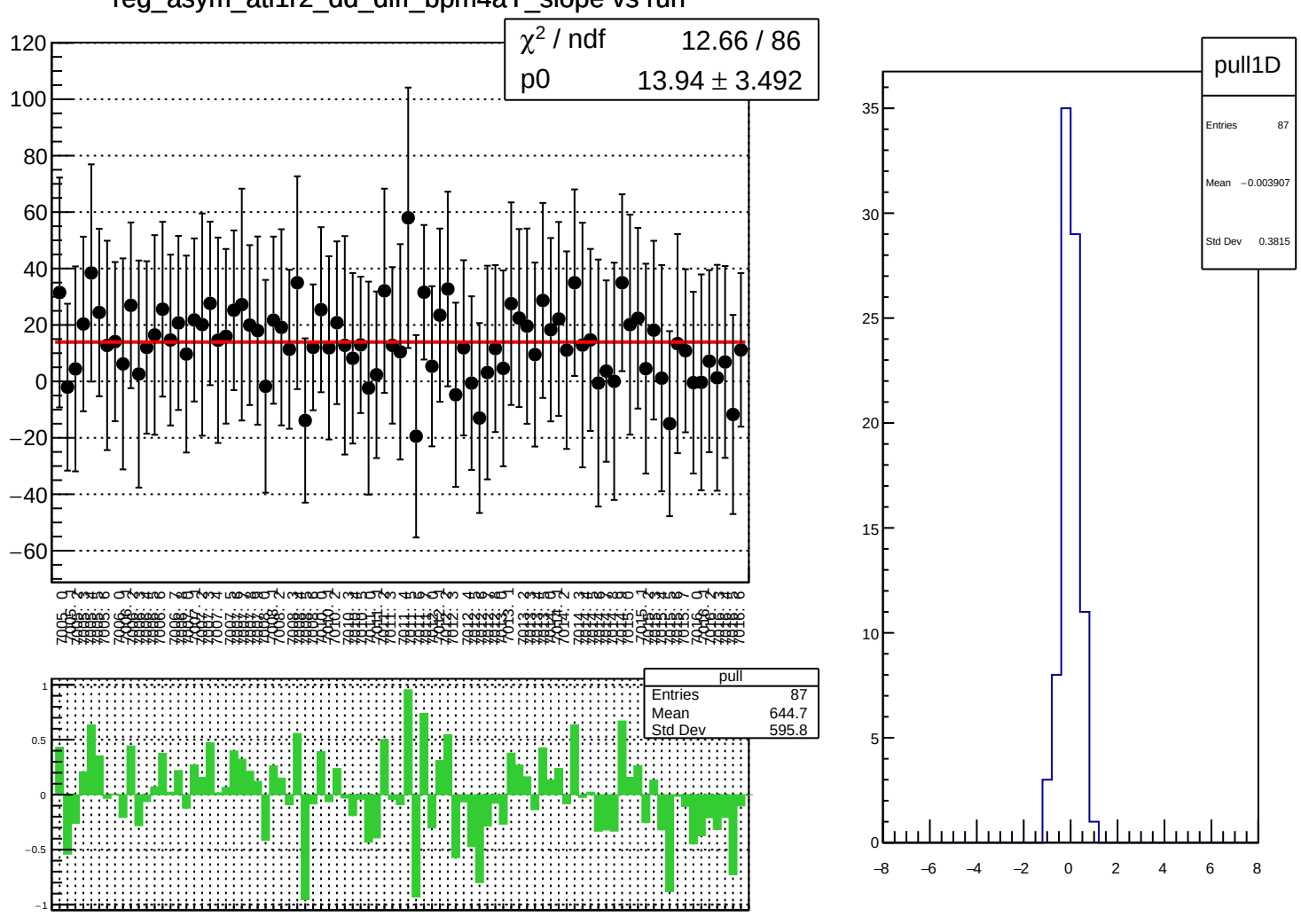

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.81 / 86
p0 68.52 ± 4.22
150
100
50
0
−50
pull
Entries 87
Mean 120
Std Dev 74.01
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.005501
Std Dev 0.3837
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

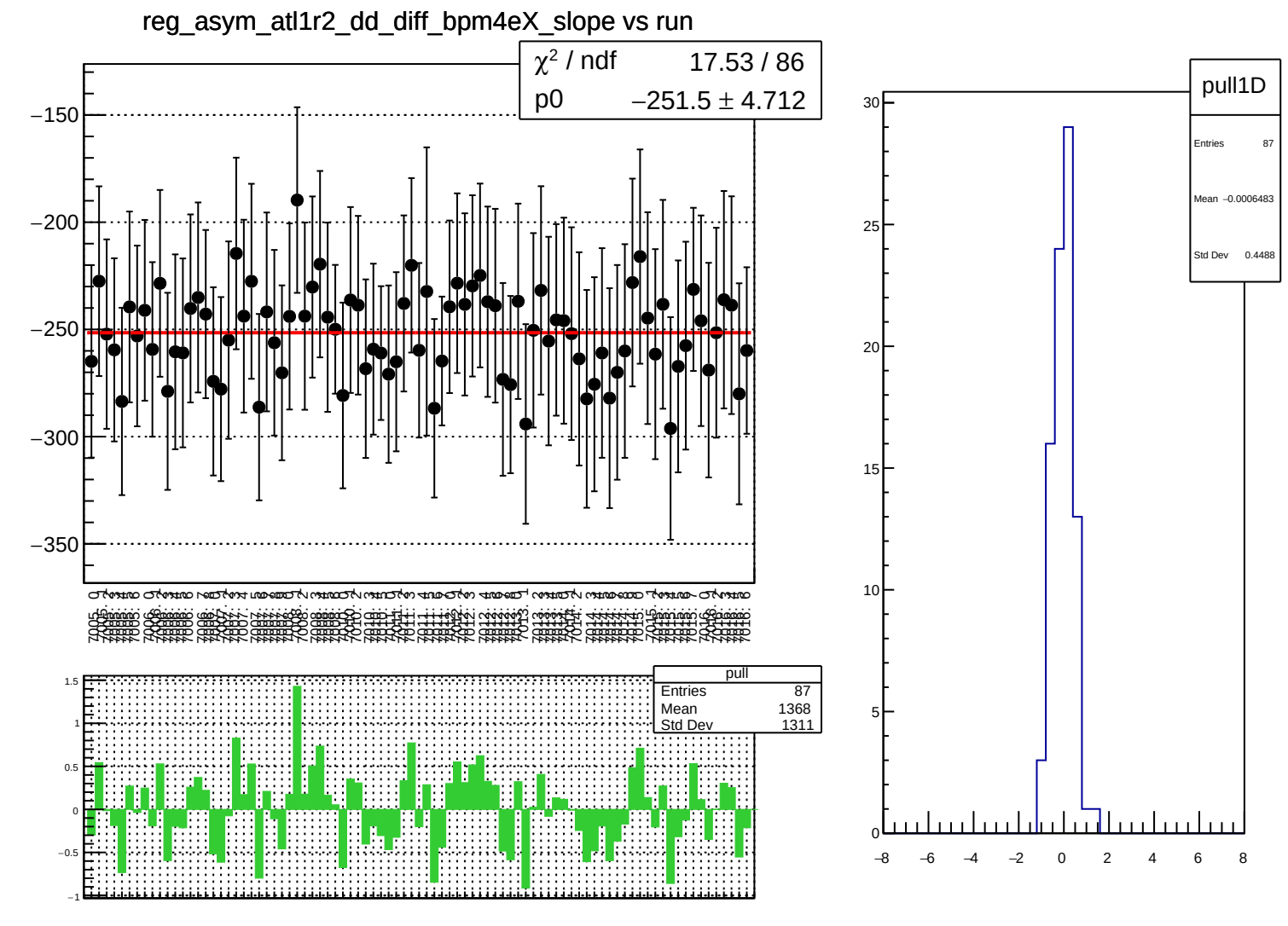

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.22 / 86
p0 −139.6 ± 0.1939
−136
−138
−140
−142
−144
pull
Entries 87
Mean 1074
Std Dev 1037
1
0.5
0
−0.5
−1
−1.5

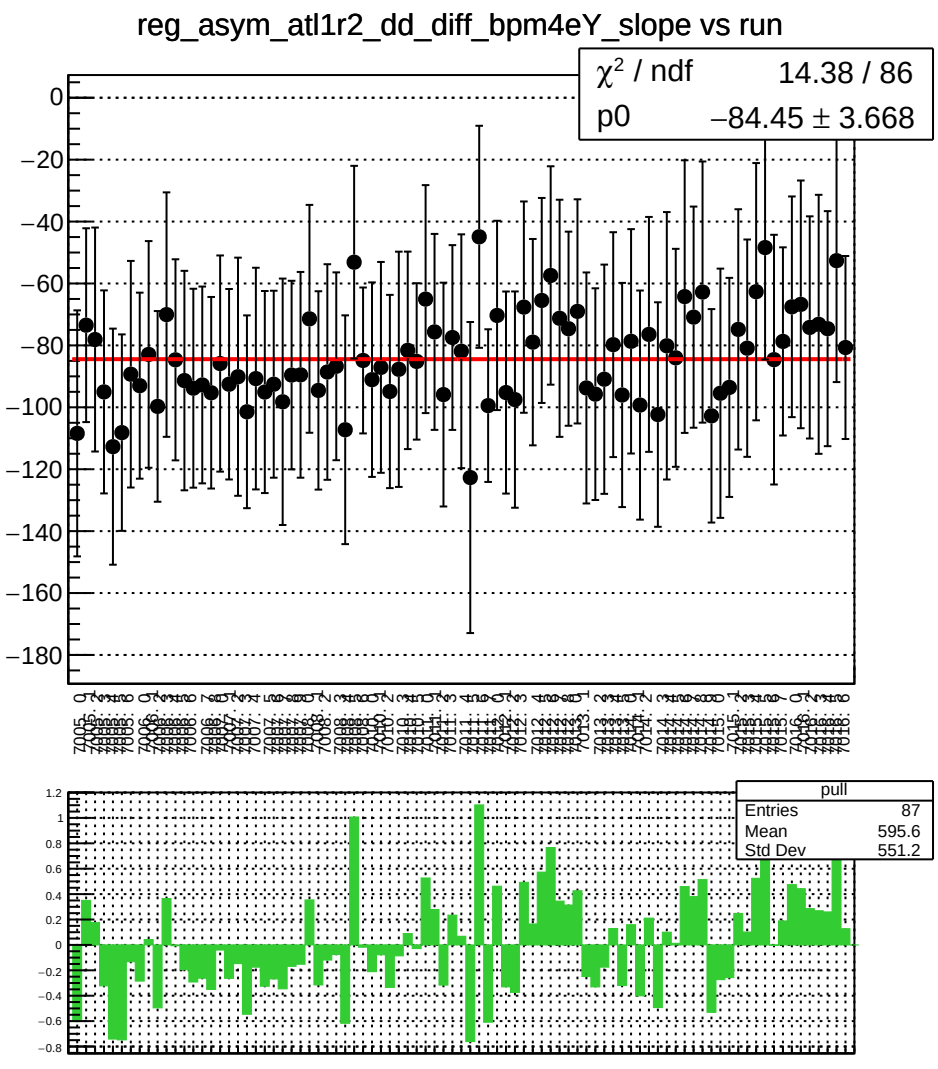

pull1D
Entries 87
Mean −0.002521
Std Dev 0.5054
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

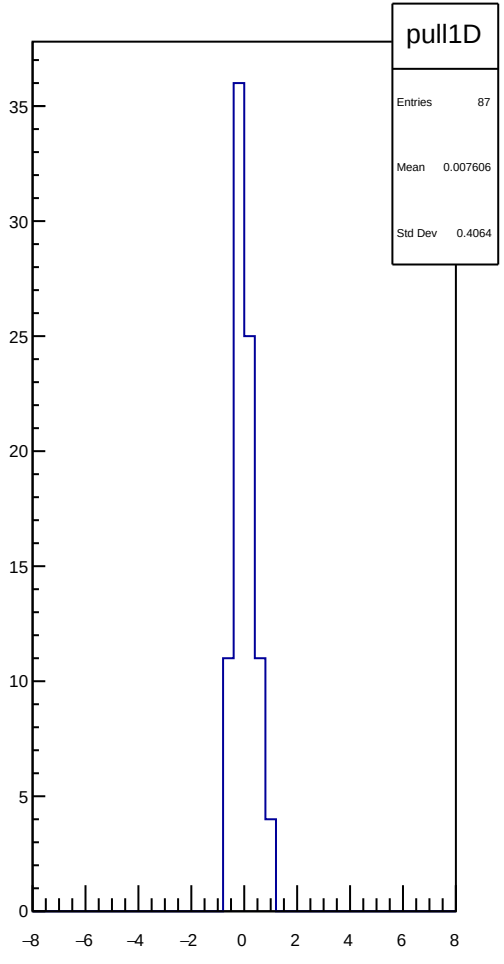

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 17.75 / 86
p0 232.7 ± 5.079
pull
Entries 87
Mean 2828
Std Dev 2775

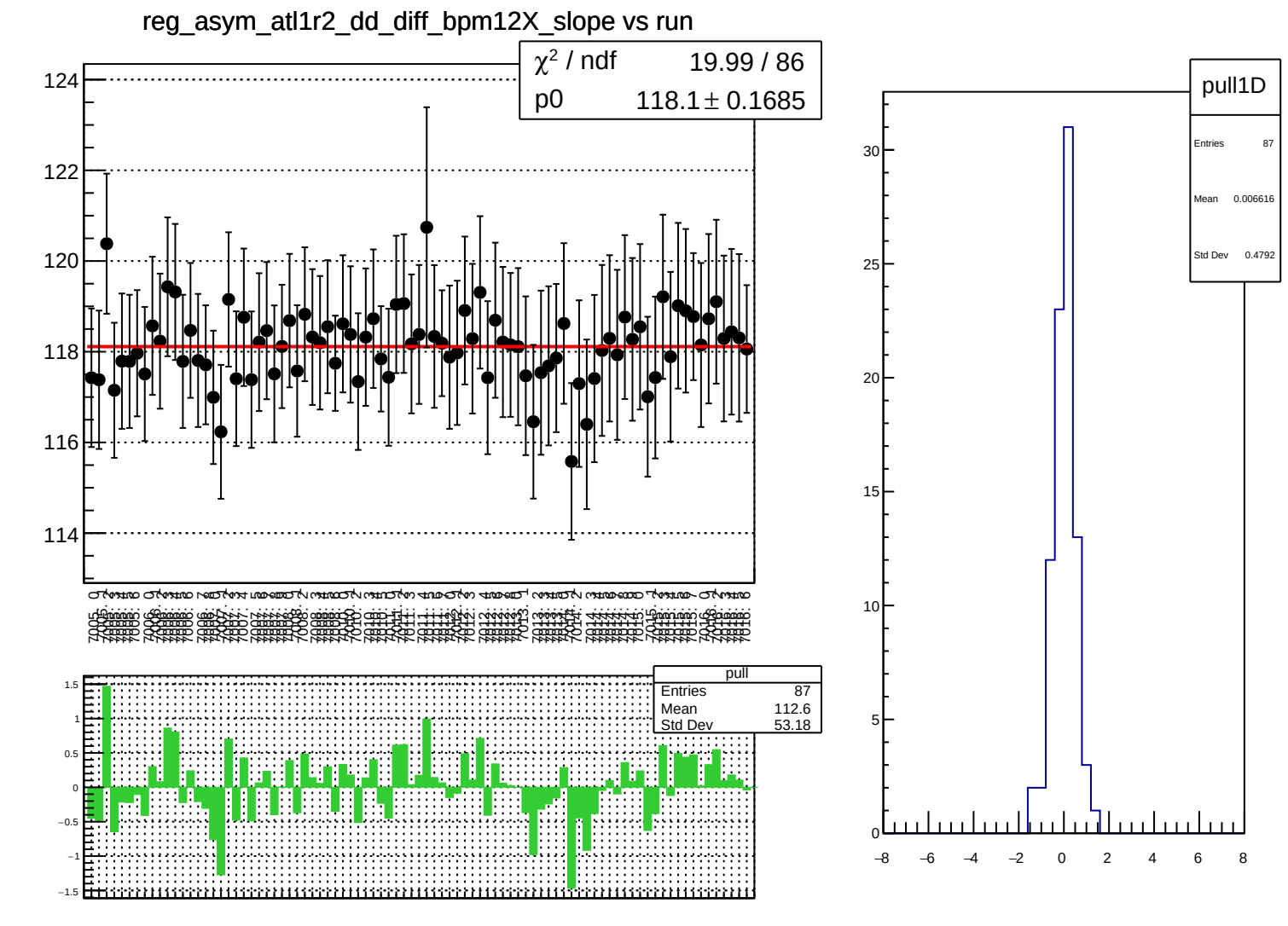

pull1D
Entries 87
Mean 0.0003281
Std Dev 0.4517

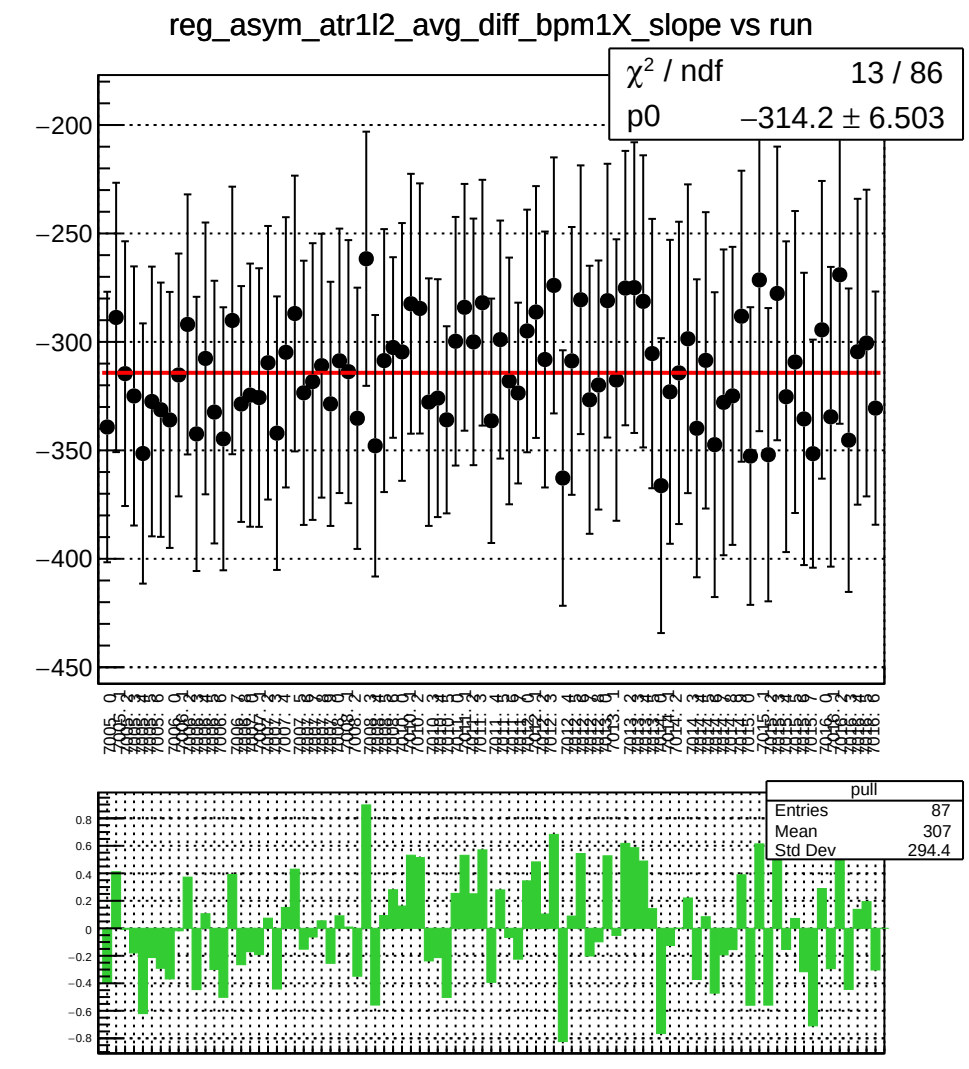

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.66 / 86
p0 13.94 ± 3.492
pull
Entries 87
Mean 644.7
Std Dev 595.8
pull1D
Entries 87
Mean −0.003907
Std Dev 0.3815

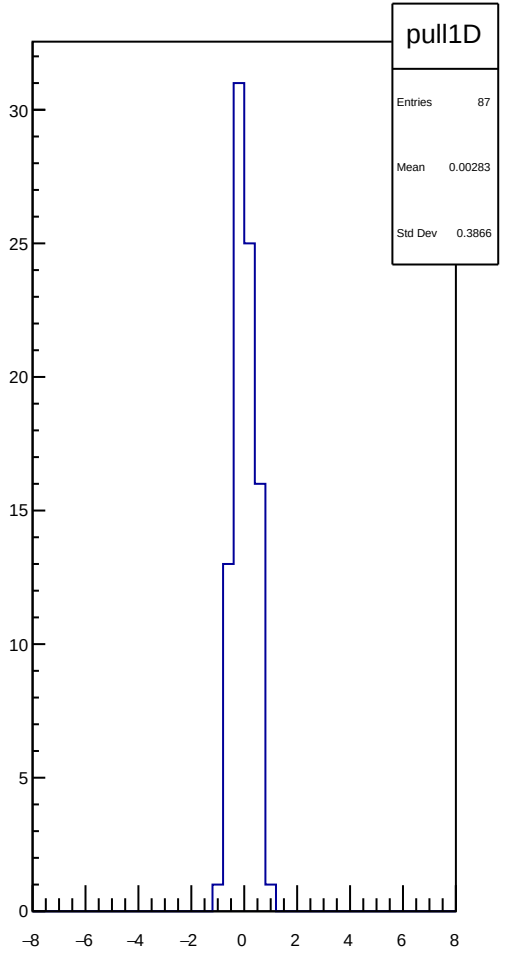

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.53 / 86
p0 −251.5 ± 4.712
−150
−200
−250
−300
−350
pull
Entries 87
Mean 1368
Std Dev 1311
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.0006483
Std Dev 0.4488
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

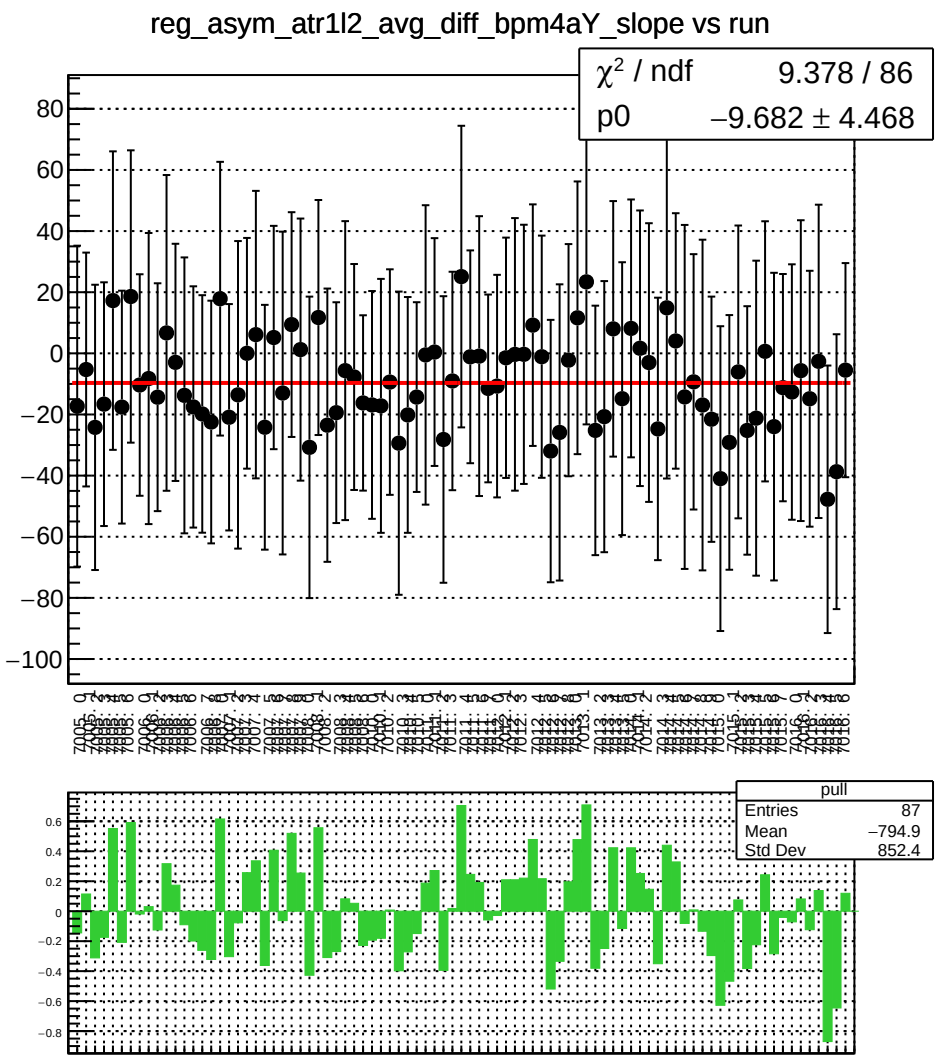

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.38 / 86
p0 −84.45 ± 3.668
pull
Entries 87
Mean 595.6
Std Dev 551.2

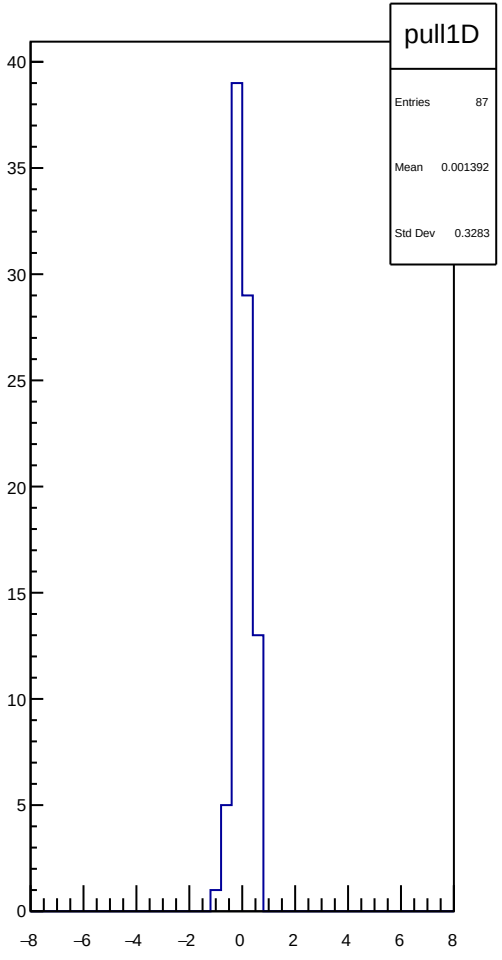

pull1D
Entries 87
Mean 0.007606
Std Dev 0.4064

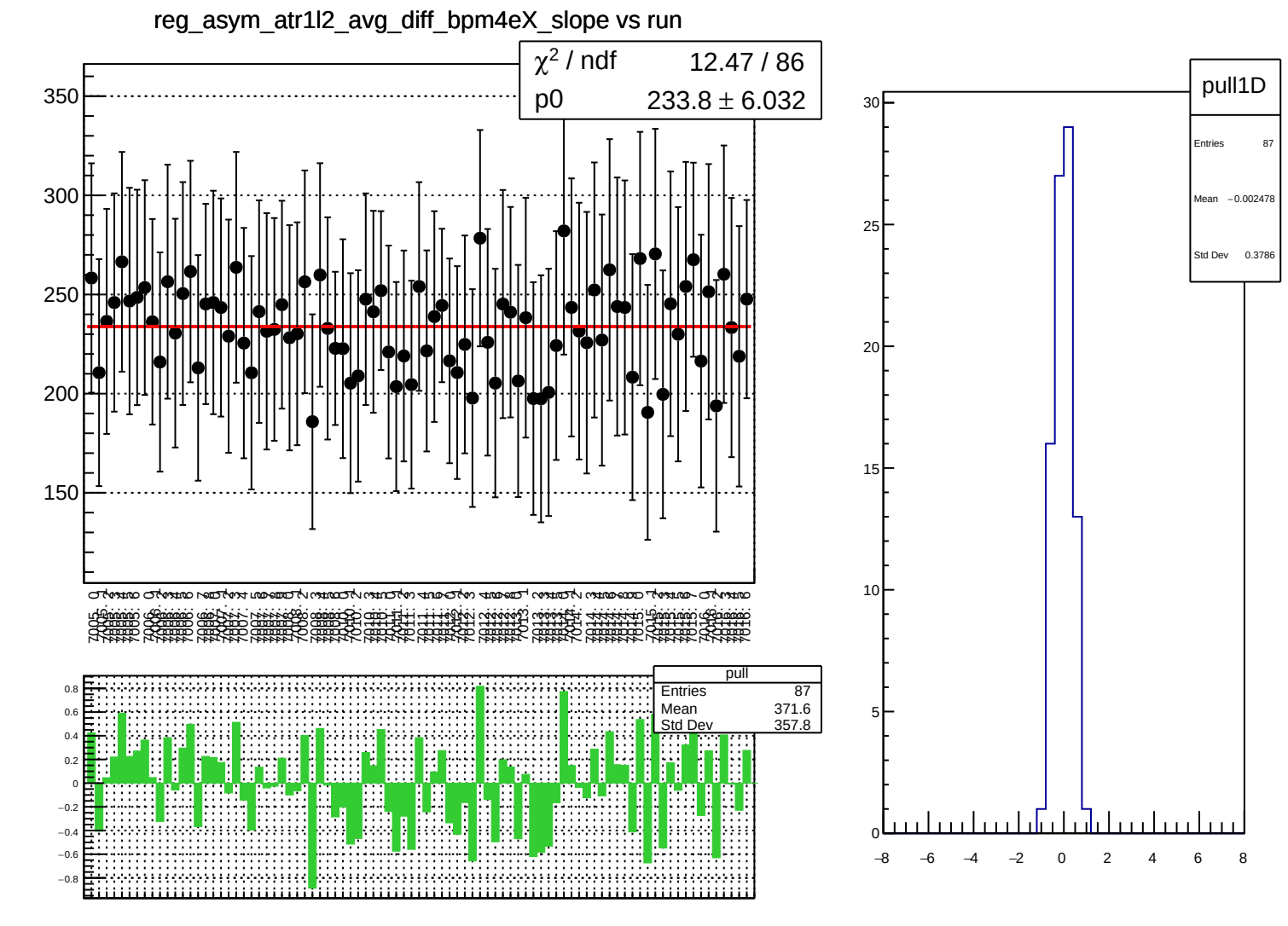

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.99 / 86
p0 118.1 ± 0.1685
124
122
120
118
116
114
pull
Entries 87
Mean 112.6
Std Dev 53.18
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.006616
Std Dev 0.4792
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

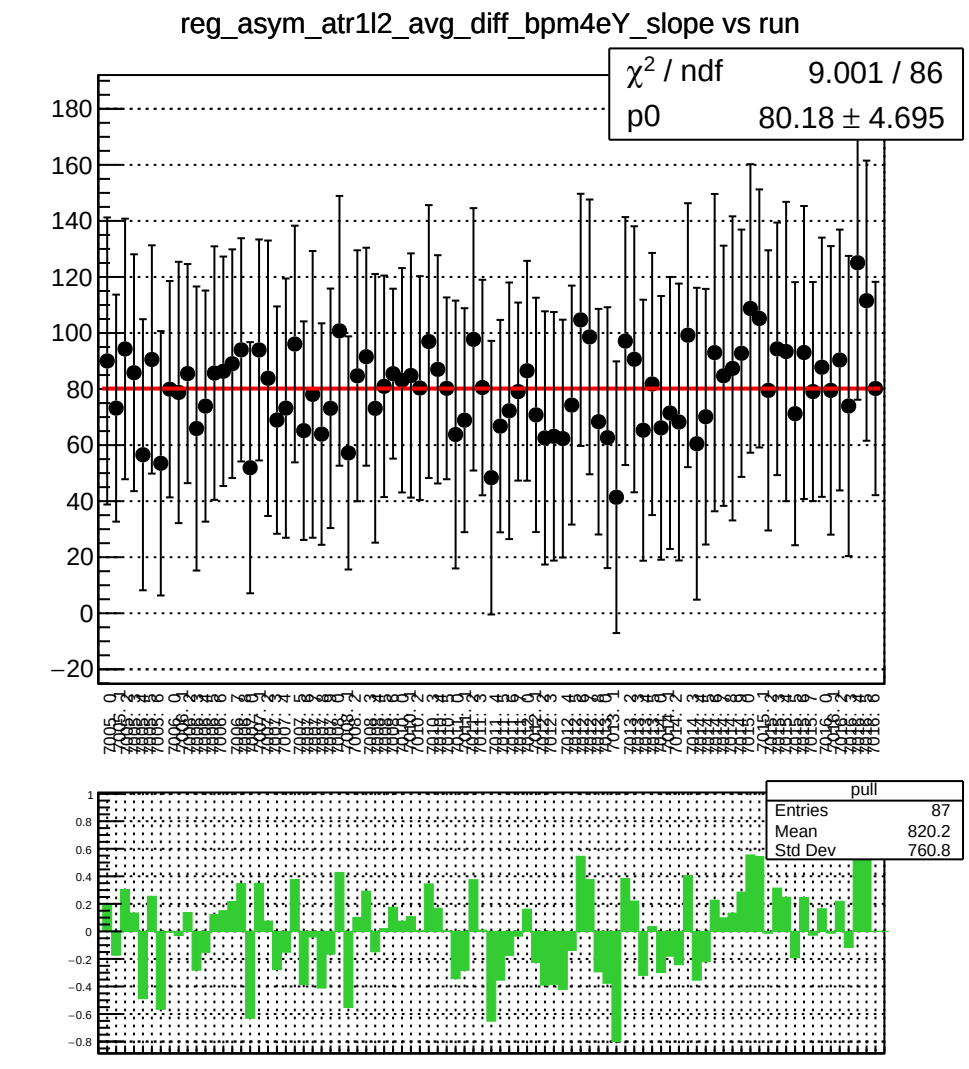

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 13 / 86
p0 −314.2 ± 6.503
−200
−250
−300
−350
−400
−450
pull
Entries 87
Mean 307
Std Dev 294.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

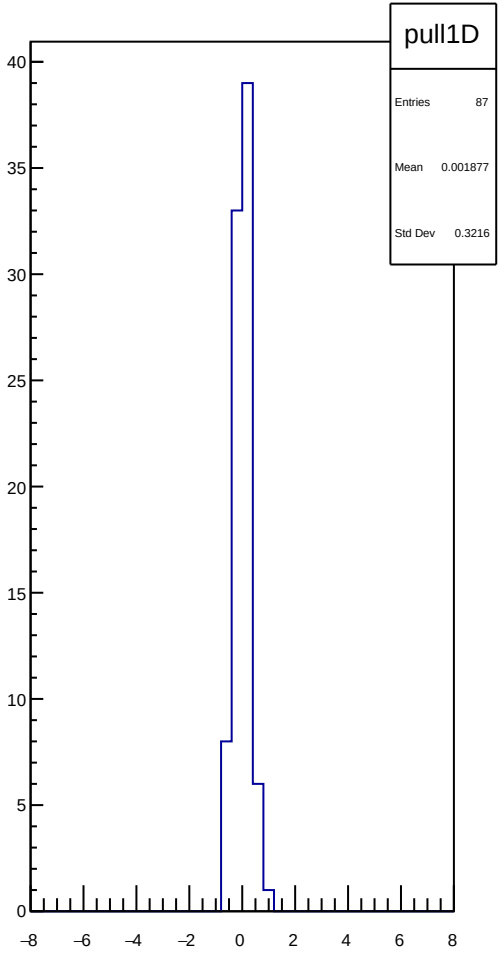

pull1D
Entries 87
Mean 0.00283
Std Dev 0.3866
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

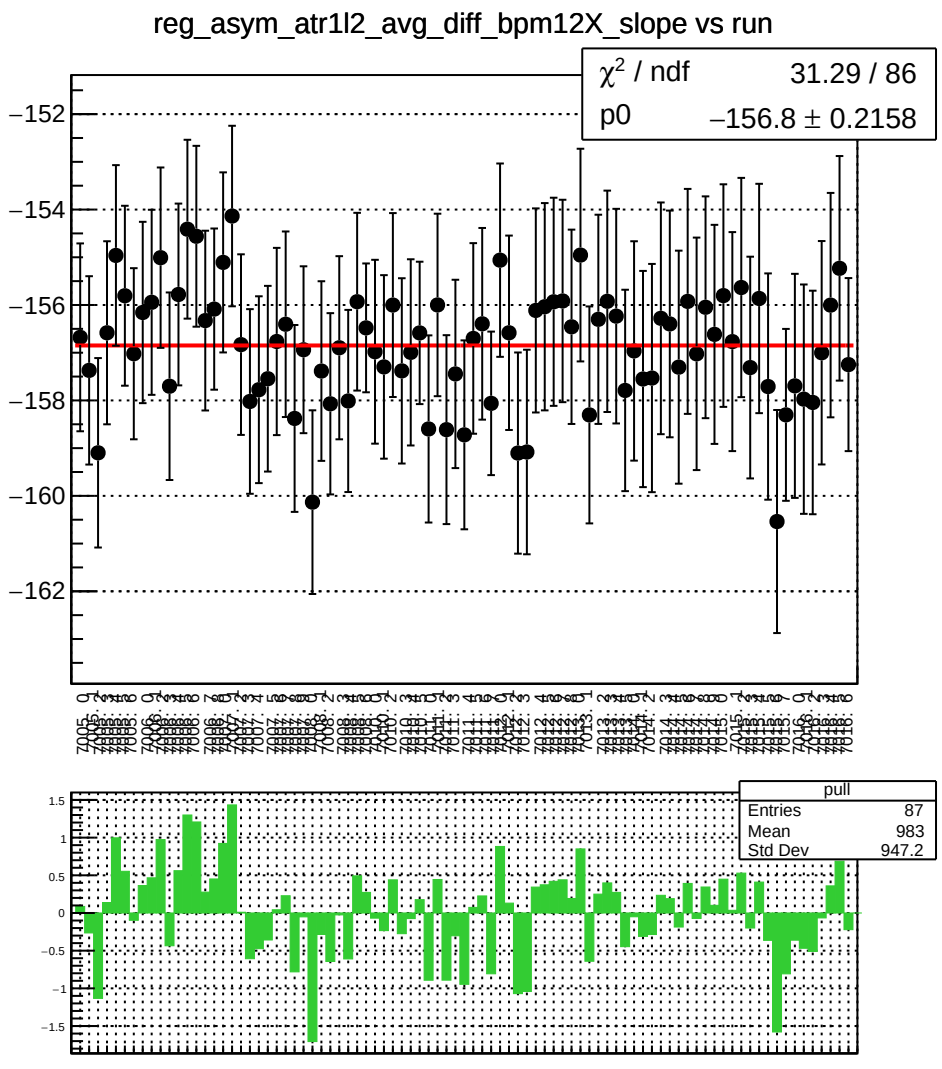

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.378 / 86
p0 −9.682 ± 4.468
pull
Entries 87
Mean −794.9
Std Dev 852.4

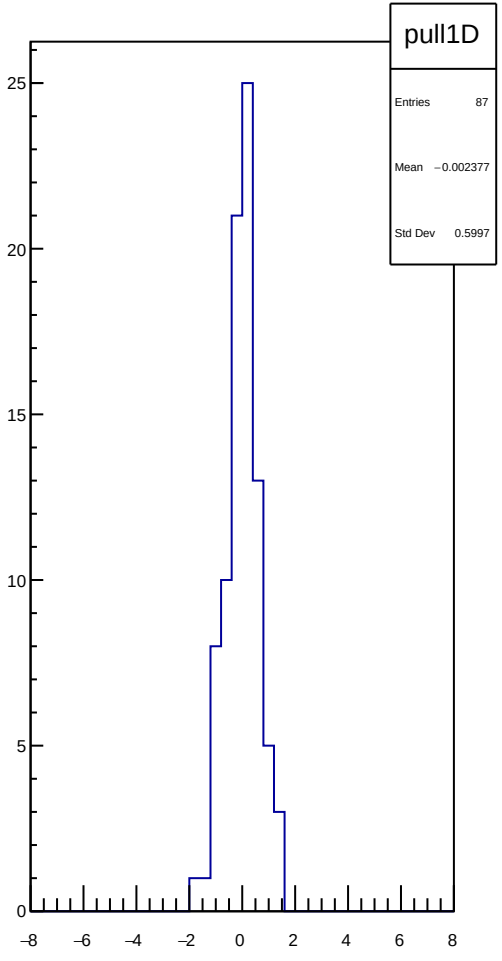

pull1D
Entries 87
Mean 0.001392
Std Dev 0.3283

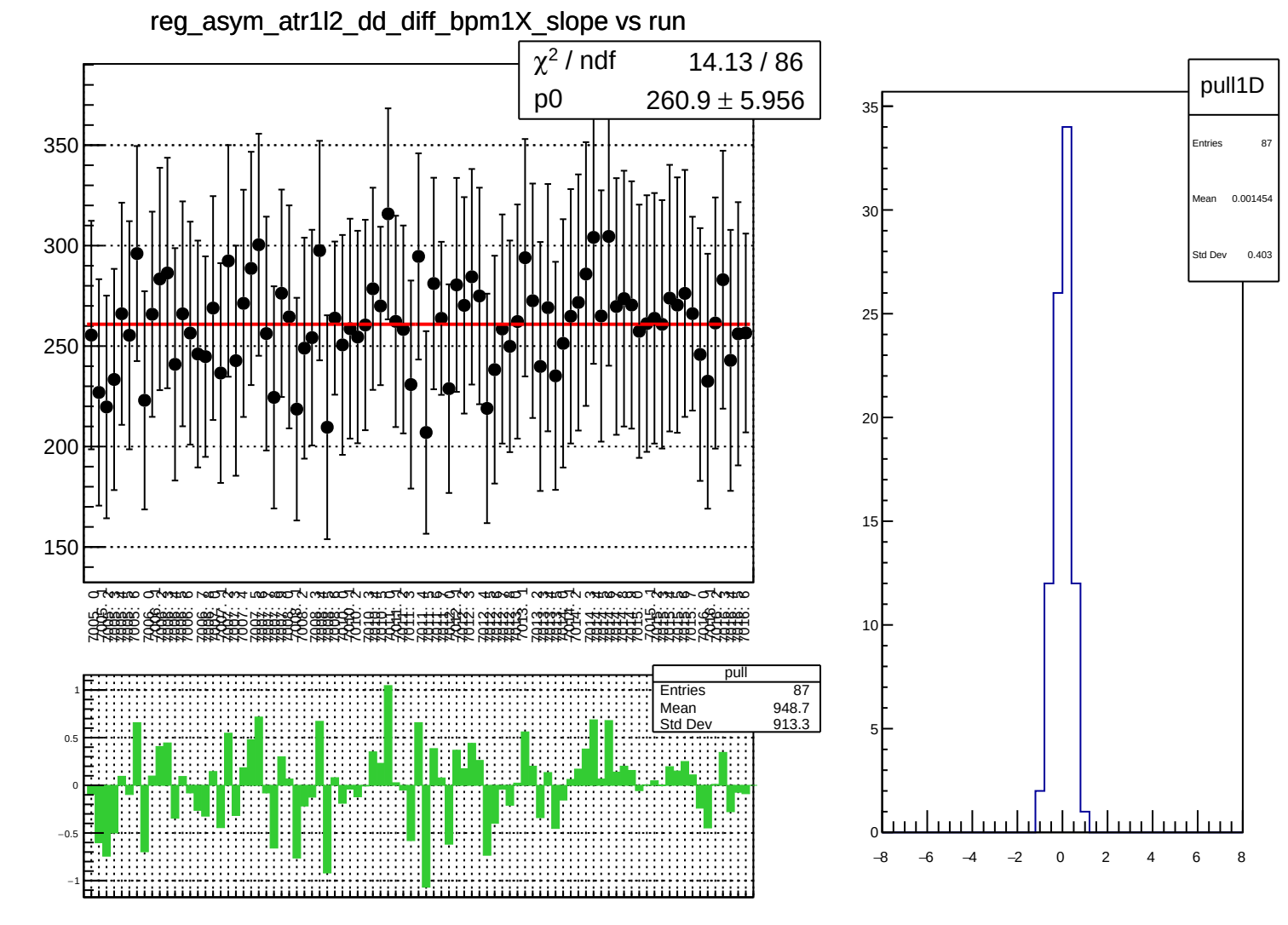

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.47 / 86
p0 233.8 ± 6.032
350
300
250
200
150
pull
Entries 87
Mean 371.6
Std Dev 357.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean −0.002478
Std Dev 0.3786
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

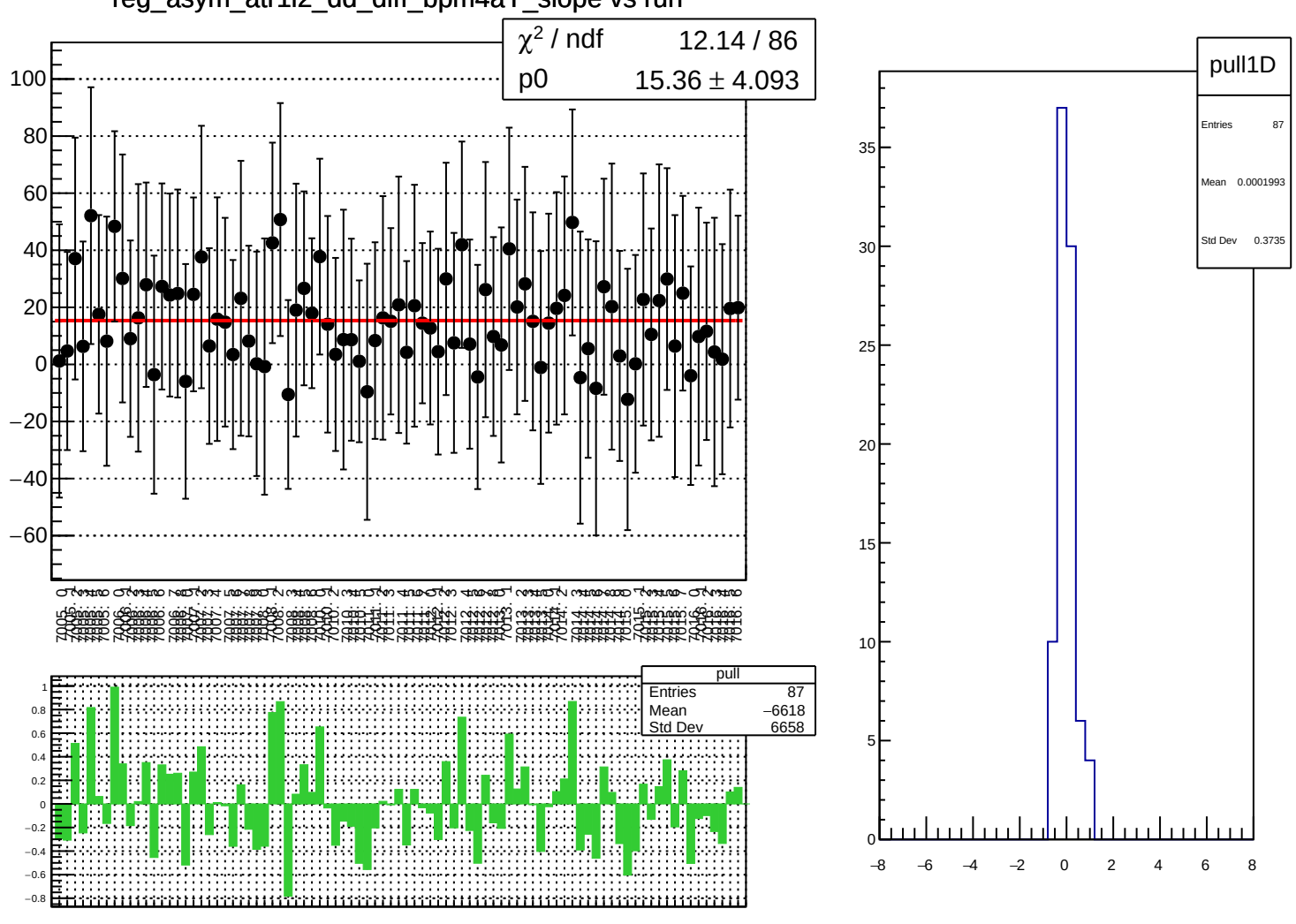

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.001 / 86
p0 80.18 ± 4.695
pull
Entries 87
Mean 820.2
Std Dev 760.8

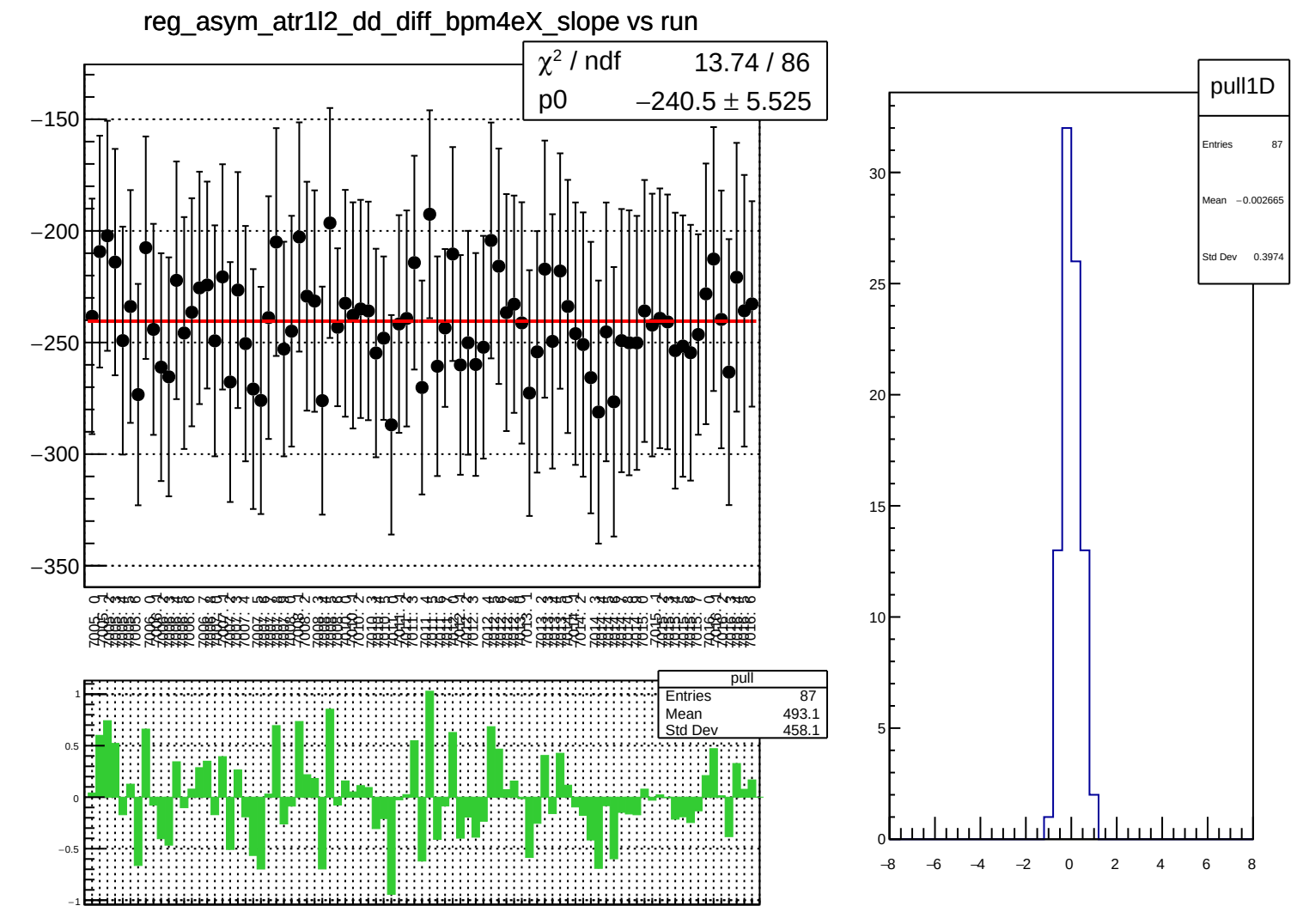

pull1D
Entries 87
Mean 0.001877
Std Dev 0.3216

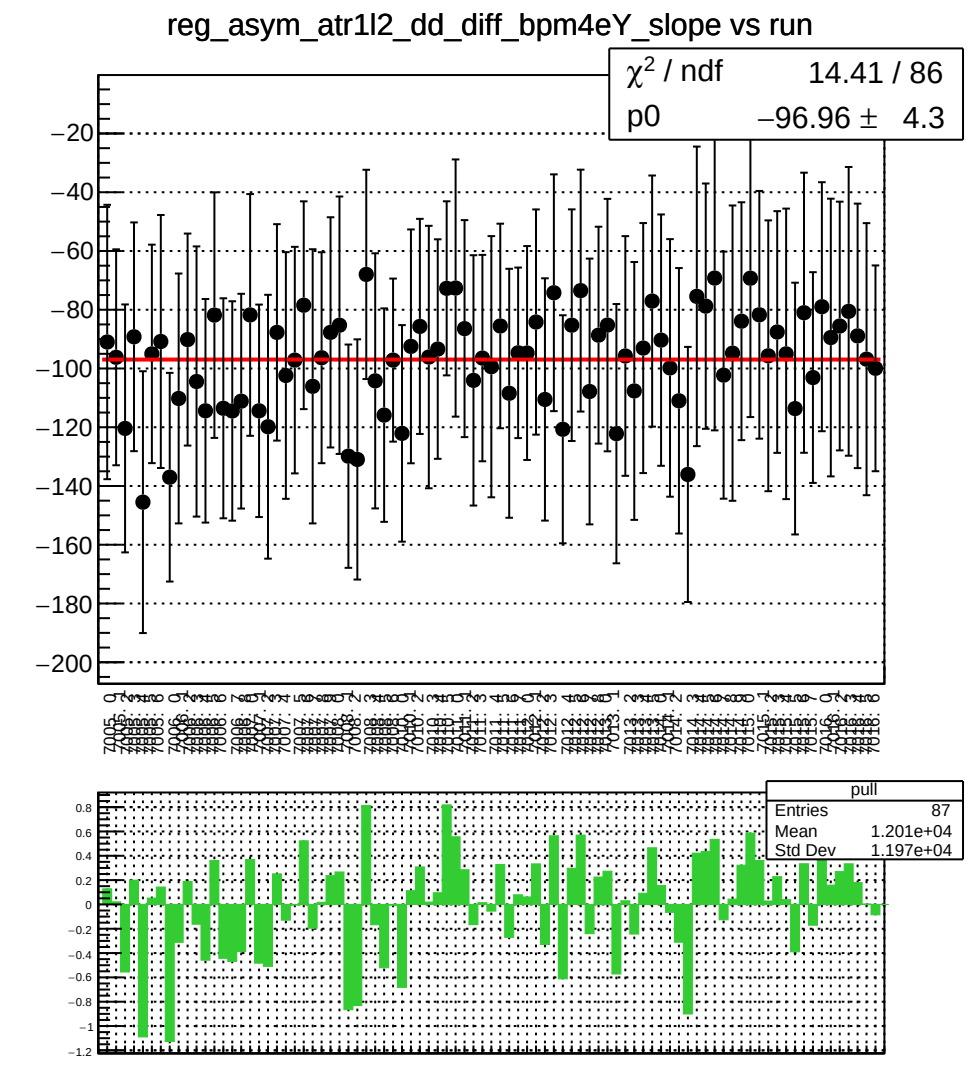

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 31.29 / 86
p0 −156.8 ± 0.2158
−152
−154
−156
−158
−160
−162
pull
Entries 87
Mean 983
Std Dev 947.2
1.5
1
0.5
0
−0.5
−1
−1.5

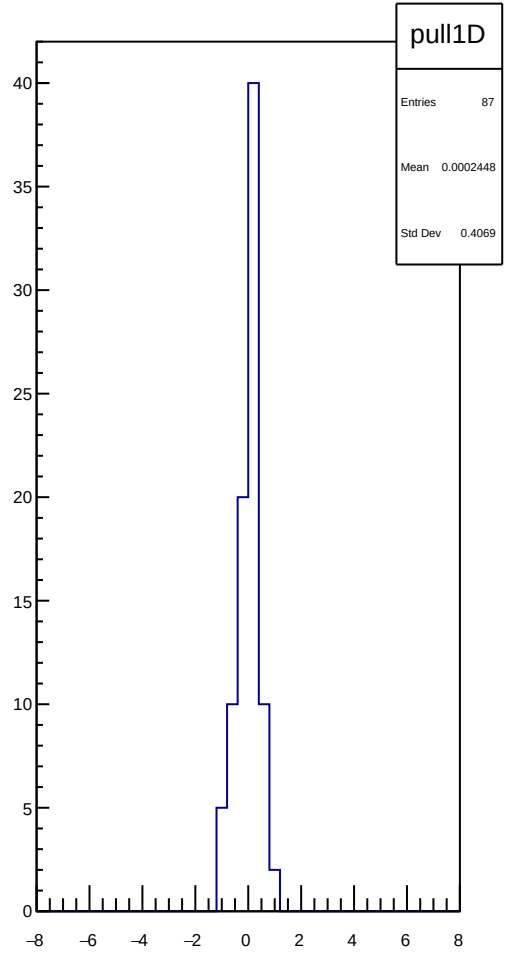

pull1D
Entries 87
Mean −0.002377
Std Dev 0.5997
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

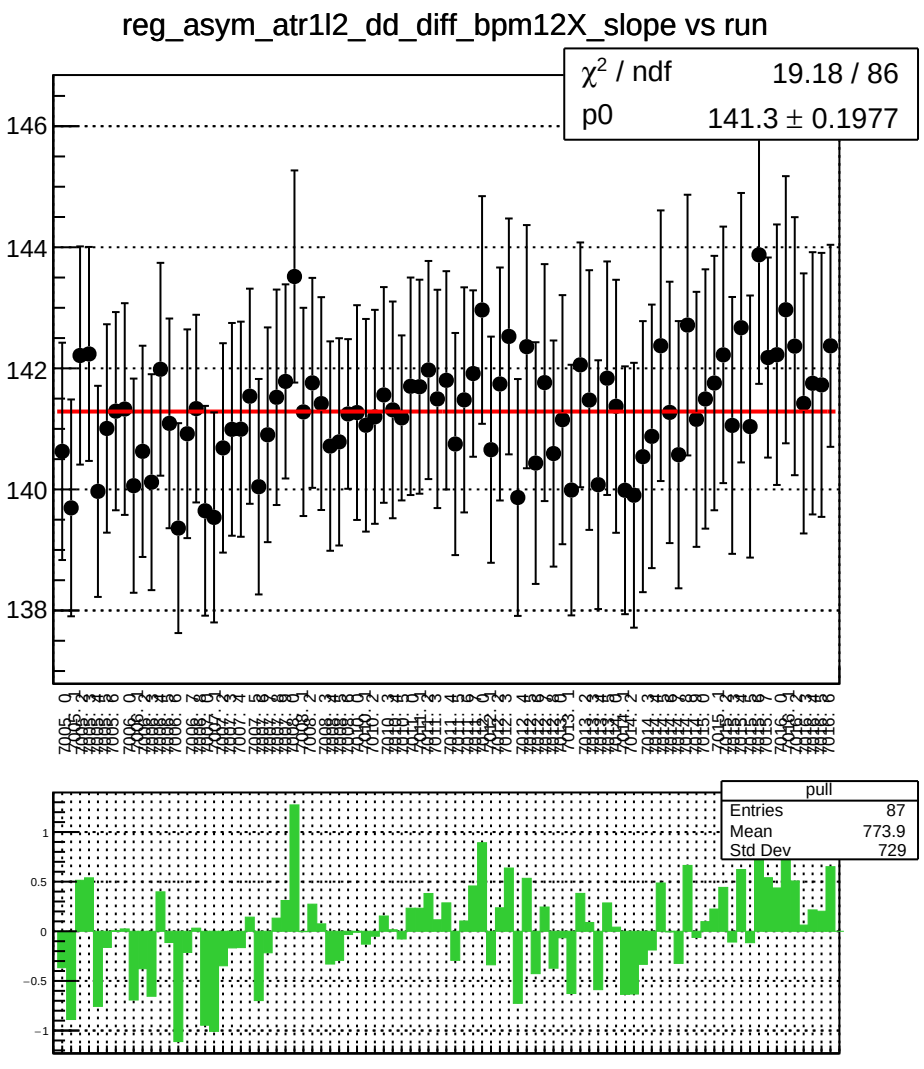

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.13 / 86
p0 260.9 ± 5.956
350
300
250
200
150
pull
Entries 87
Mean 948.7
Std Dev 913.3
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.001454
Std Dev 0.403
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

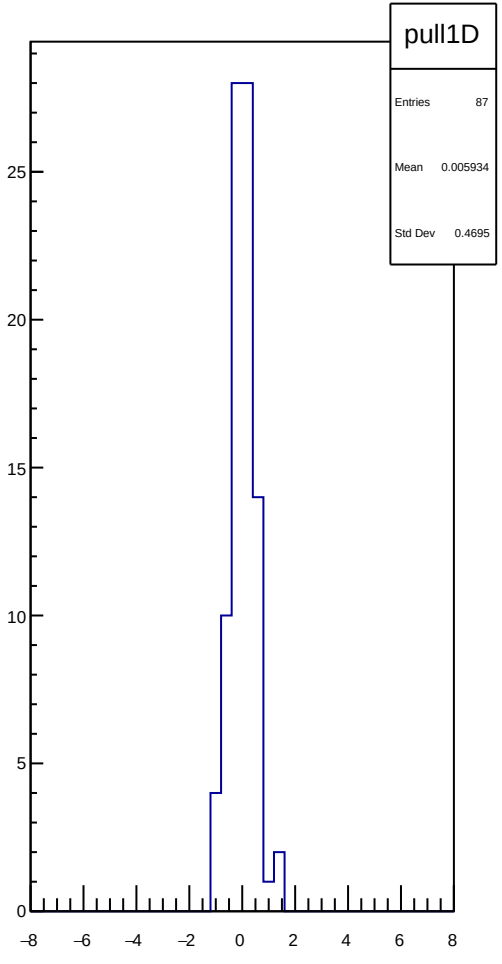

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 86
p0 15.36 ± 4.093
pull
Entries 87
Mean −6618
Std Dev 6658
pull1D
Entries 87
Mean 0.0001993
Std Dev 0.3735

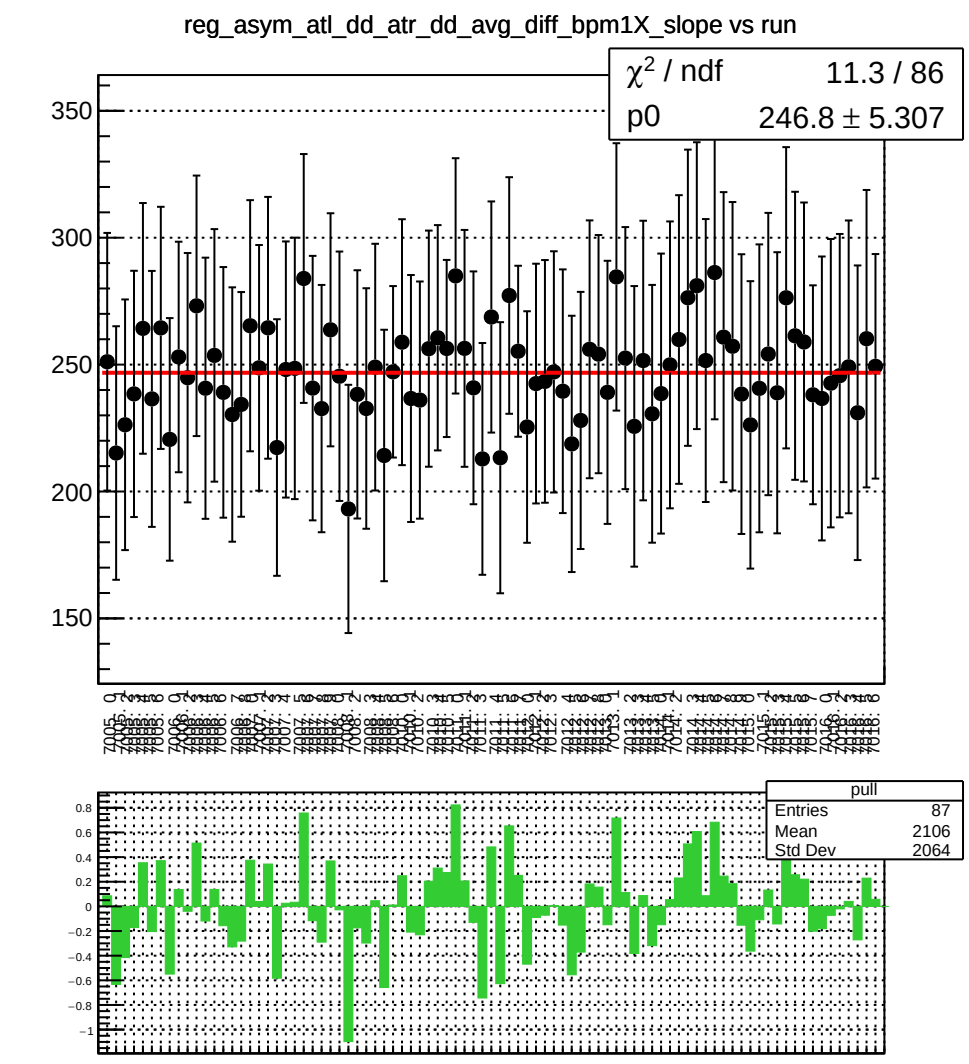

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.74 / 86
p0 −240.5 ± 5.525
−150
−200
−250
−300
−350
pull
Entries 87
Mean 493.1
Std Dev 458.1
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.002665
Std Dev 0.3974
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

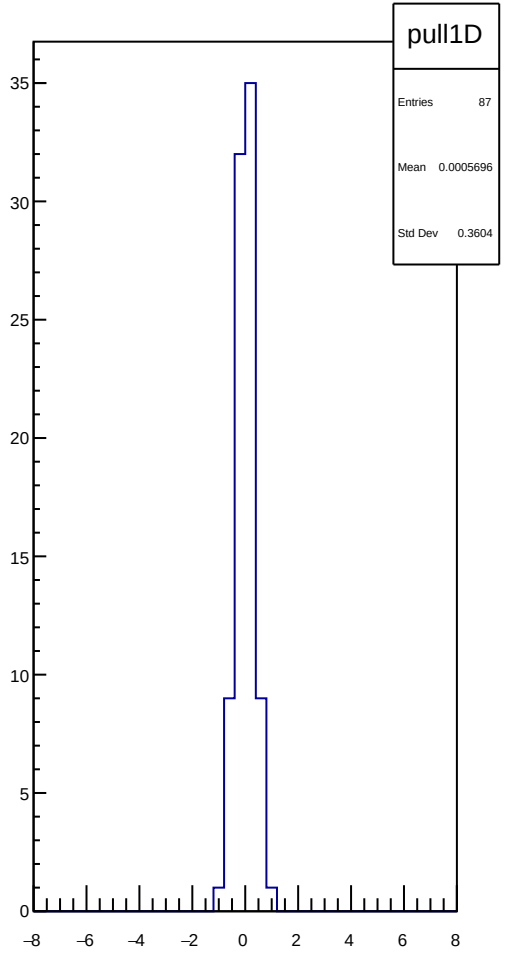

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.41 / 86
p0 −96.96 ± 4.3
pull
Entries 87
Mean 1.201e+04
Std Dev 1.197e+04

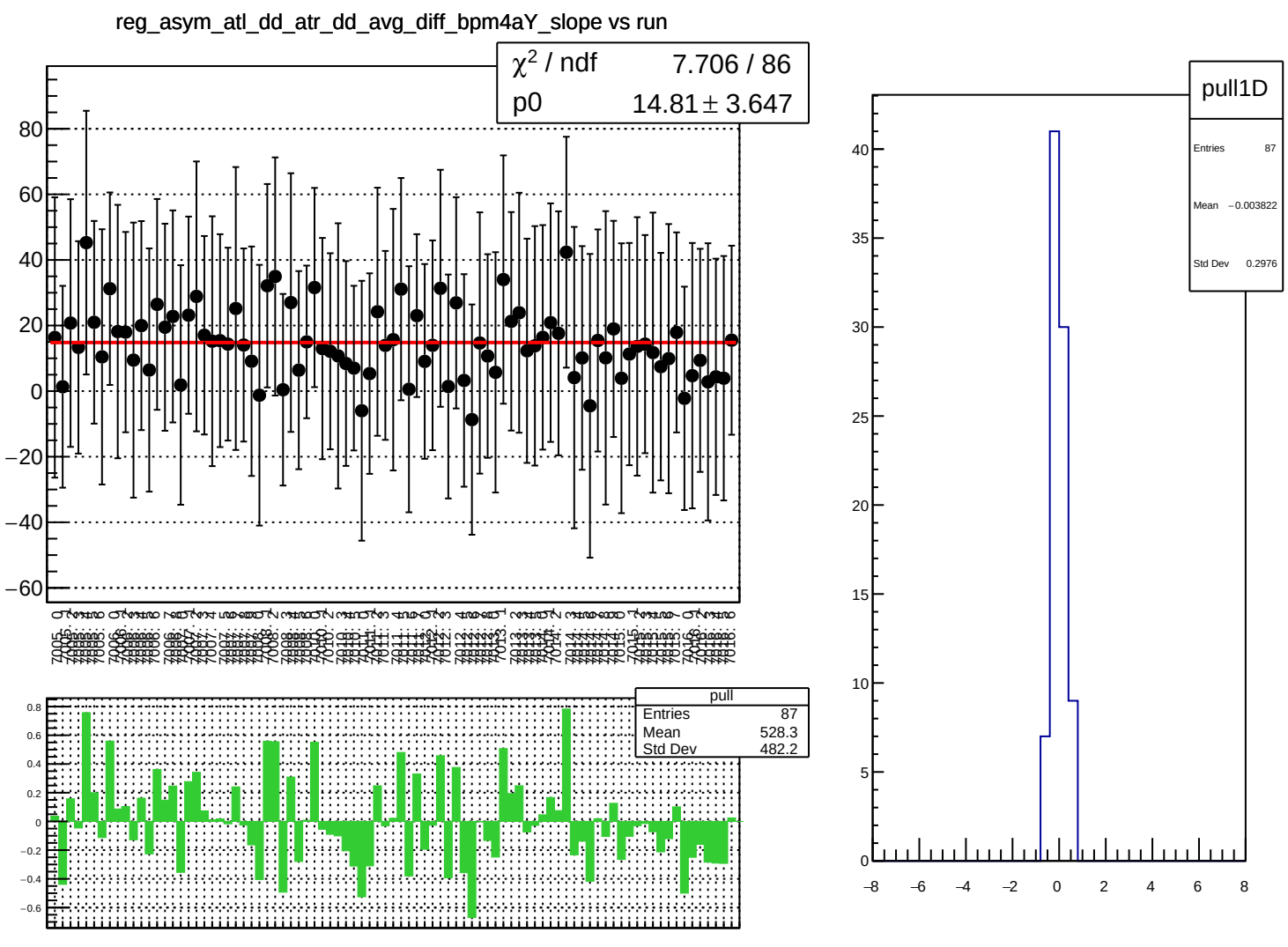

pull1D
Entries 87
Mean 0.0002448
Std Dev 0.4069

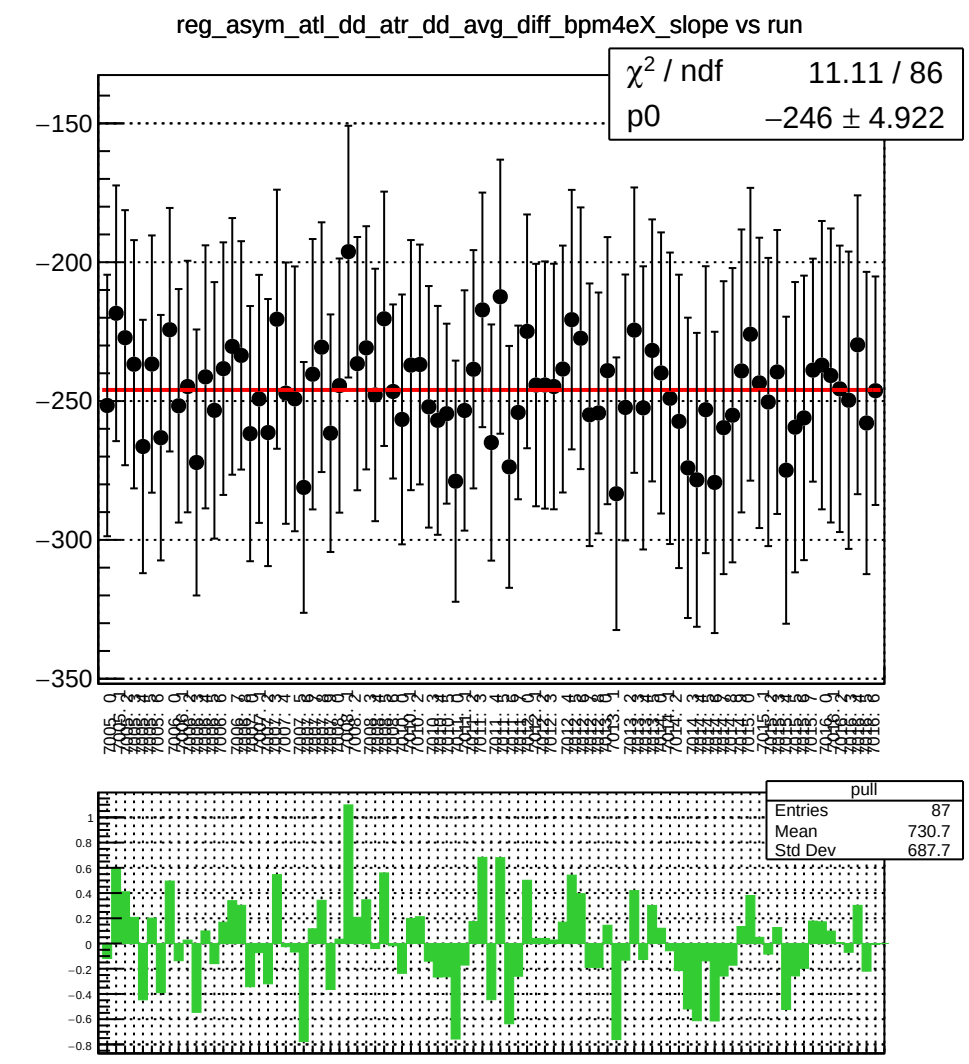

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.18 / 86
p0 141.3 ± 0.1977
146
144
142
140
138
pull
Entries 87
Mean 773.9
Std Dev 729
1
0.5
0
−0.5
−1

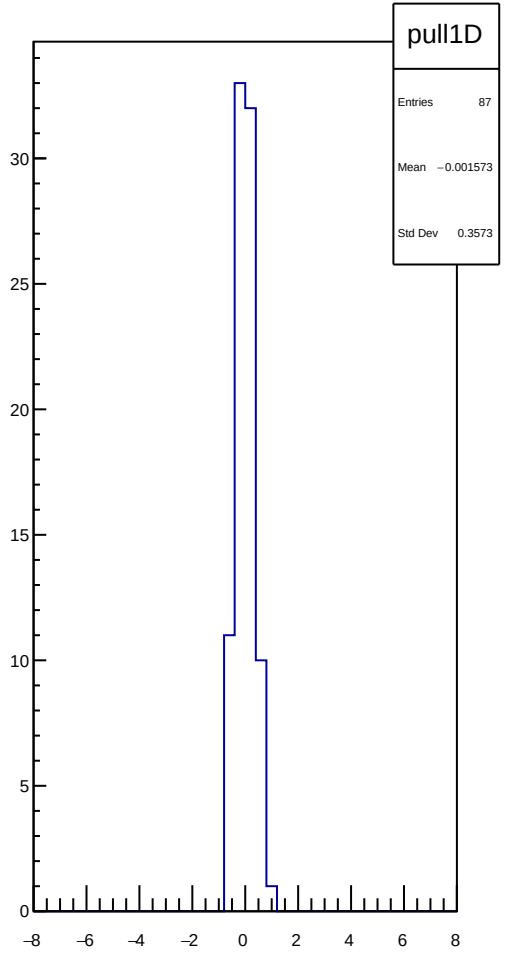

pull1D
Entries 87
Mean 0.005934
Std Dev 0.4695
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

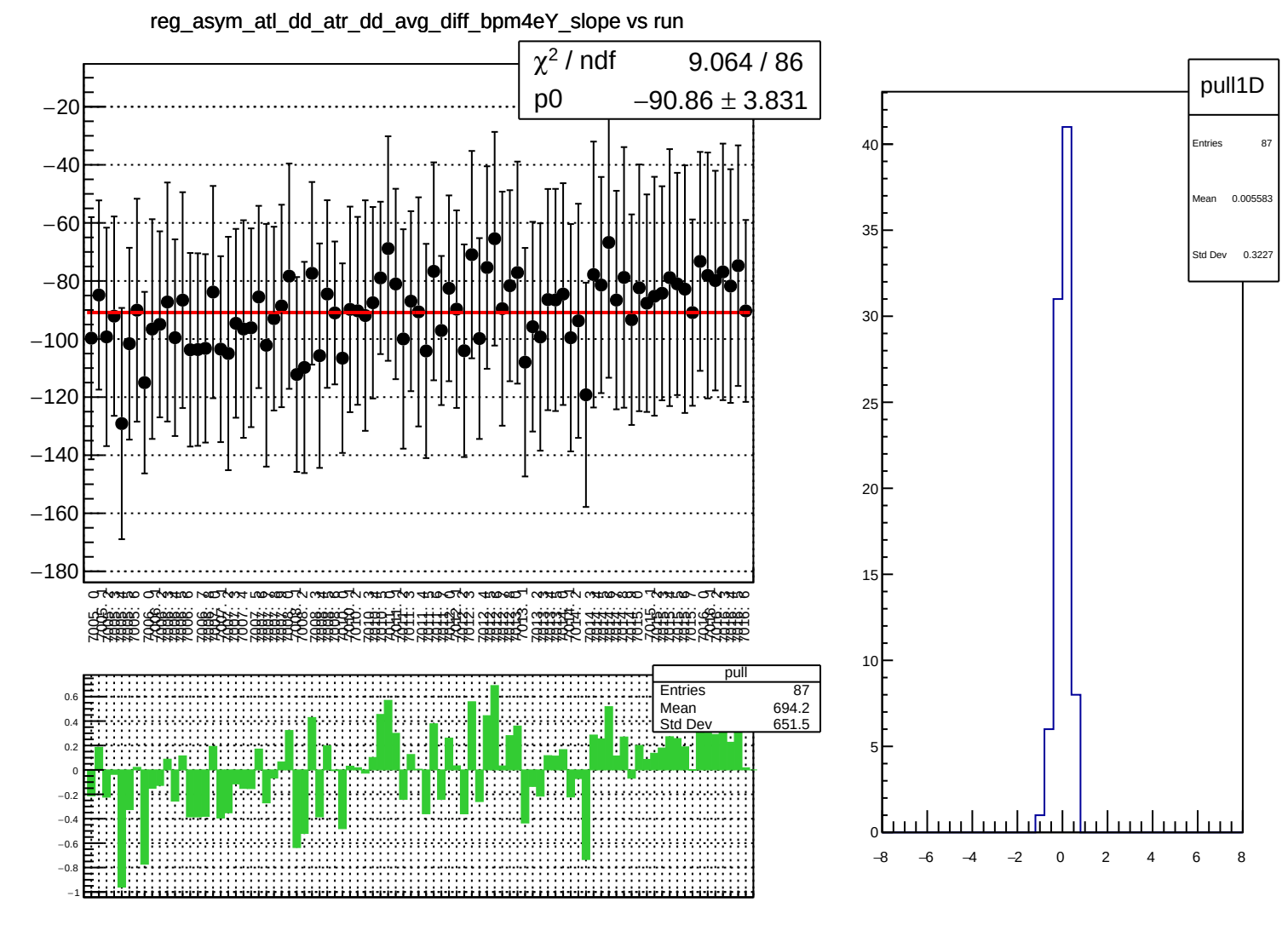

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.3 / 86
p0 246.8 ± 5.307
350
300
250
200
150
pull
Entries 87
Mean 2106
Std Dev 2064
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

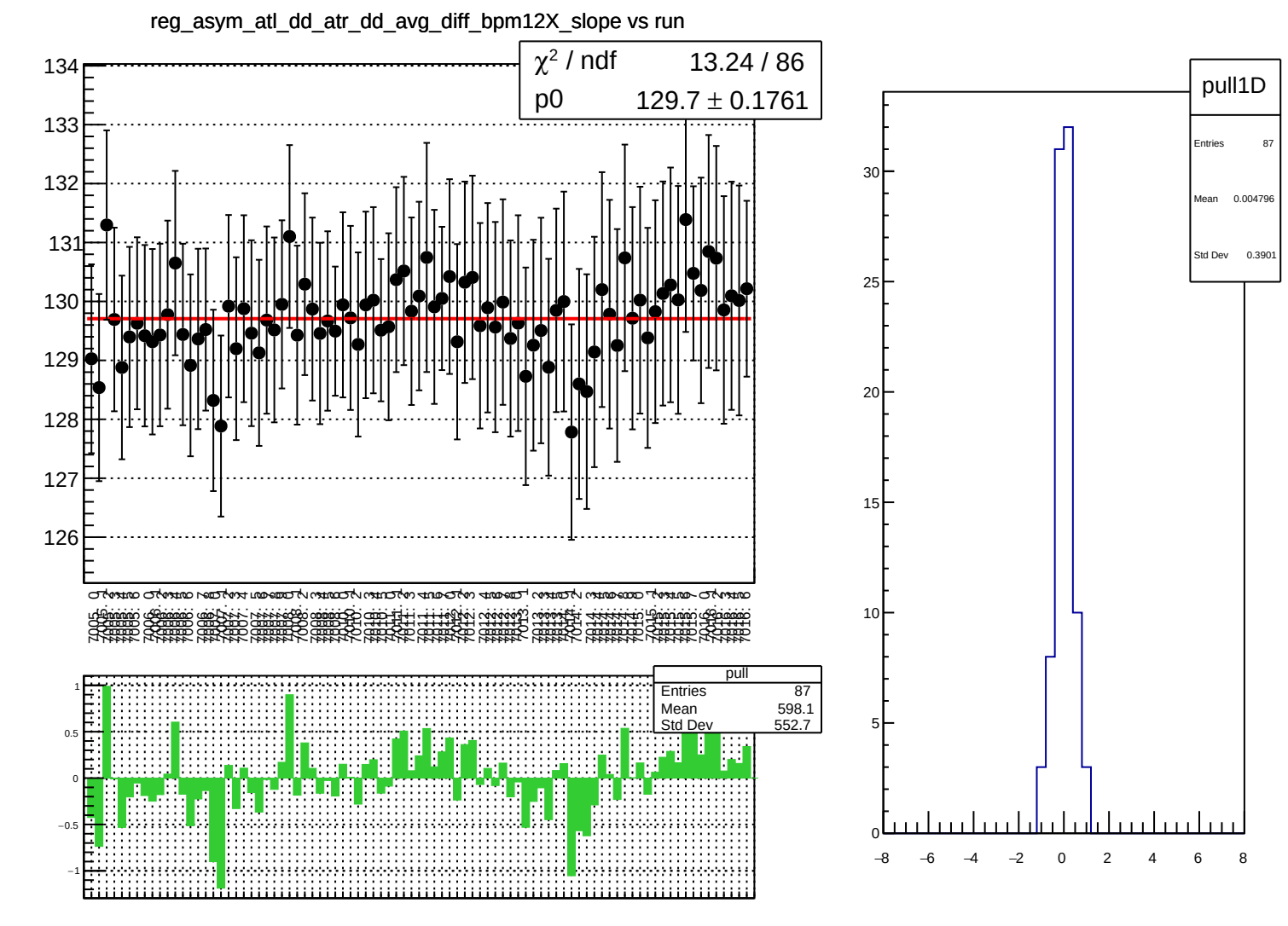

pull1D
Entries 87
Mean 0.0005696
Std Dev 0.3604
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

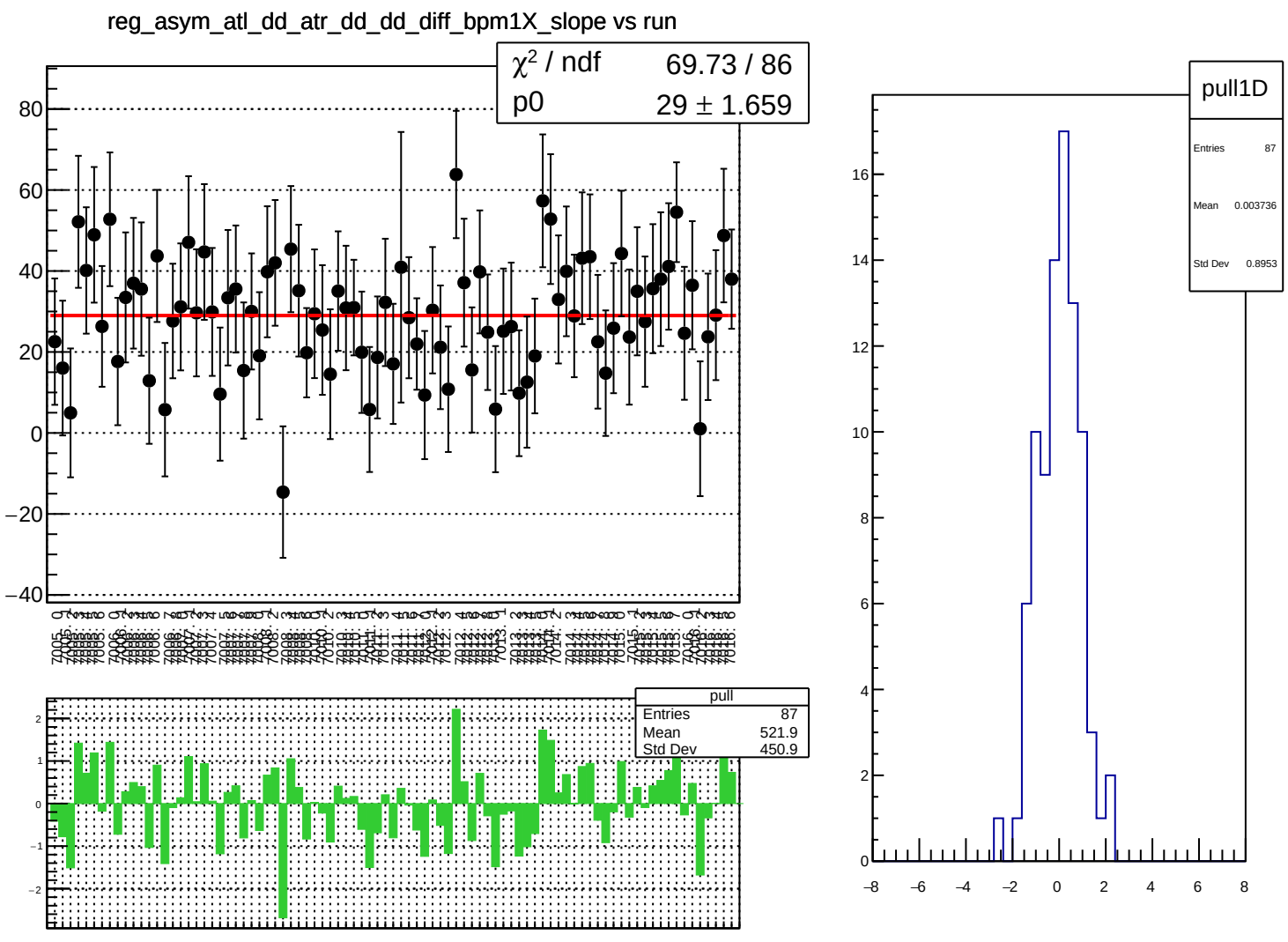

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.706 / 86
p0 14.81 ± 3.647
pull
Entries 87
Mean 528.3
Std Dev 482.2
pull1D
Entries 87
Mean −0.003822
Std Dev 0.2976

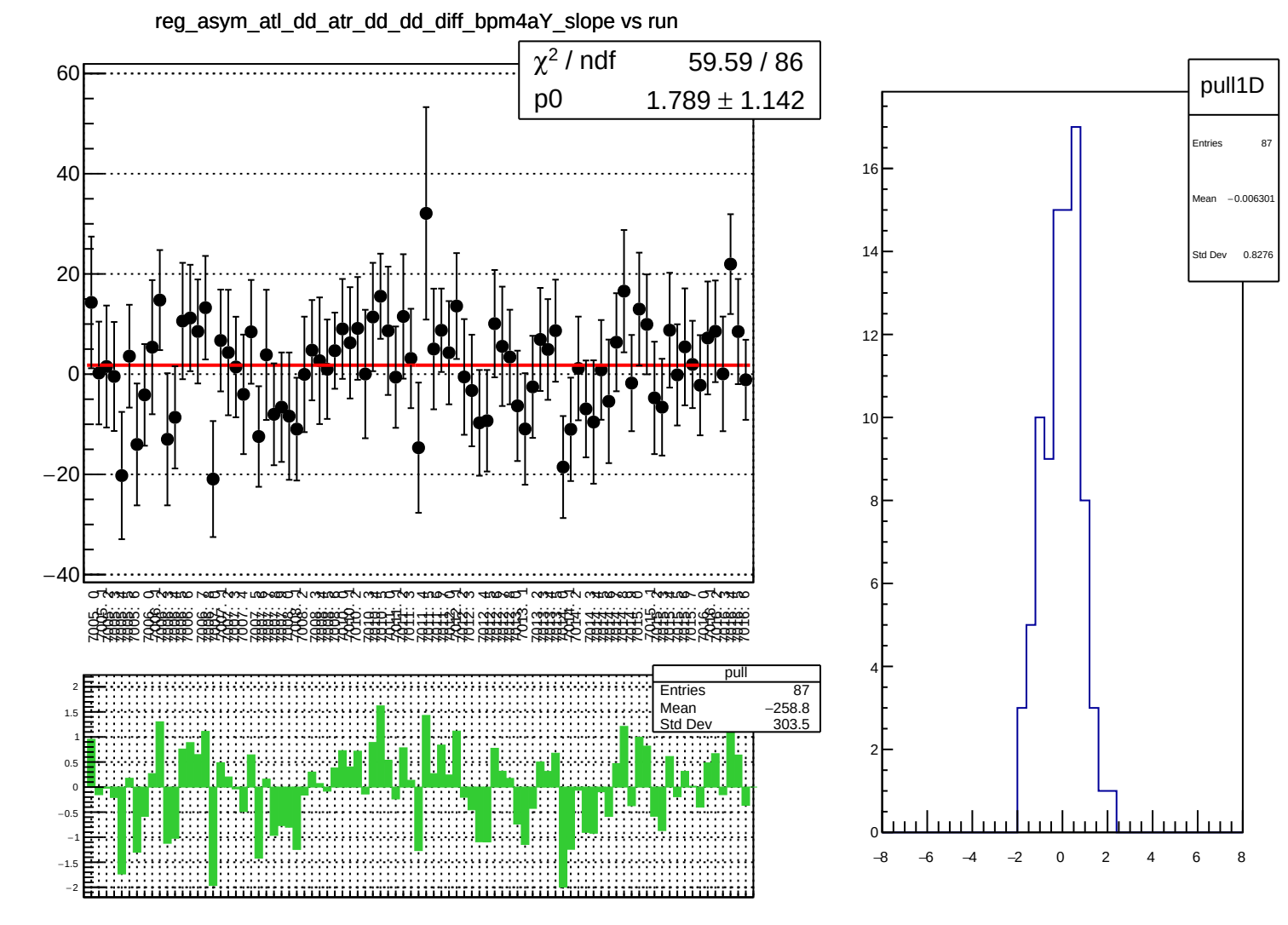

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.11 / 86
p0 −246 ± 4.922
−150
−200
−250
−300
−350
pull
Entries 87
Mean 730.7
Std Dev 687.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

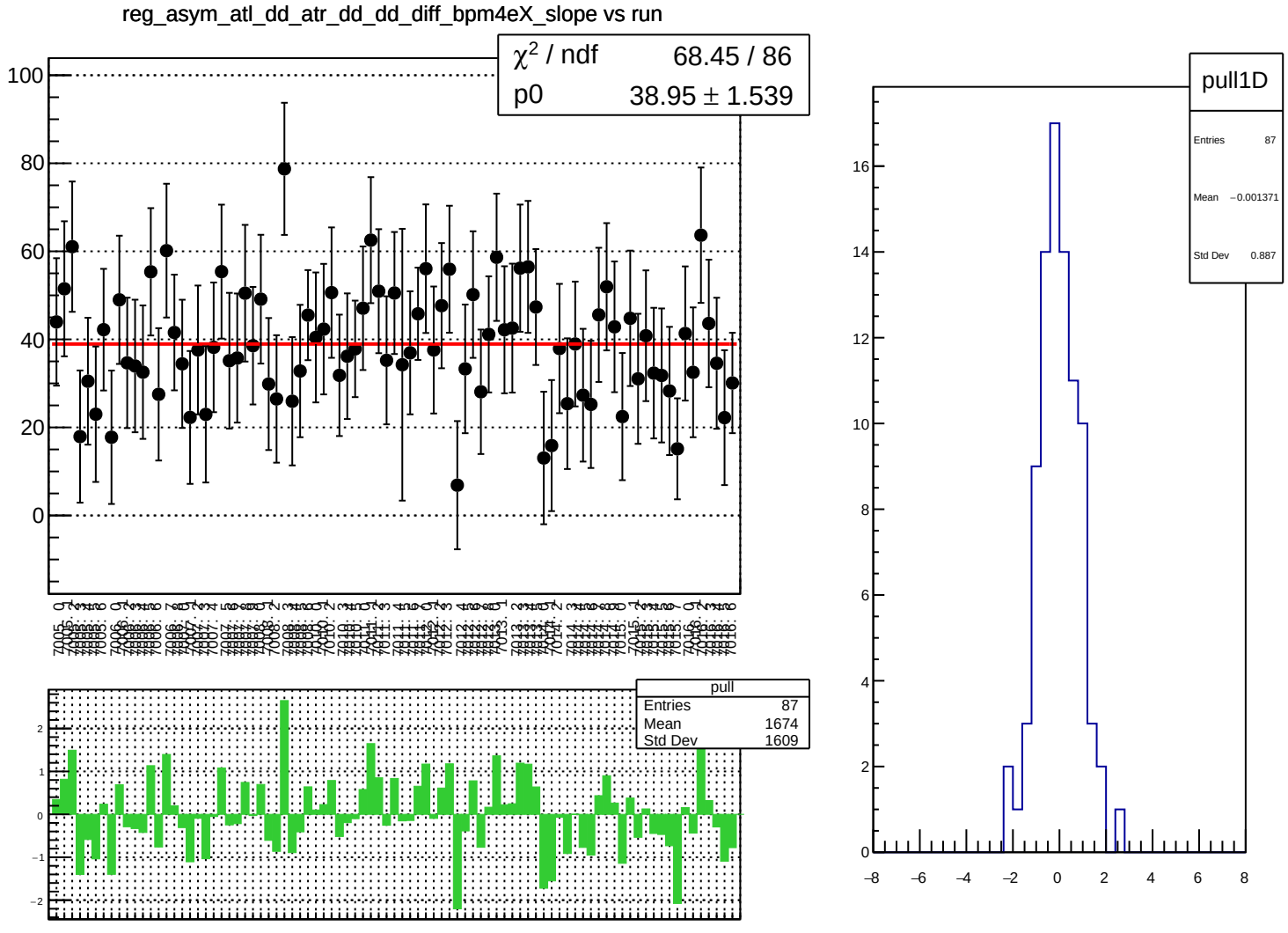

pull1D
Entries 87
Mean −0.001573
Std Dev 0.3573
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

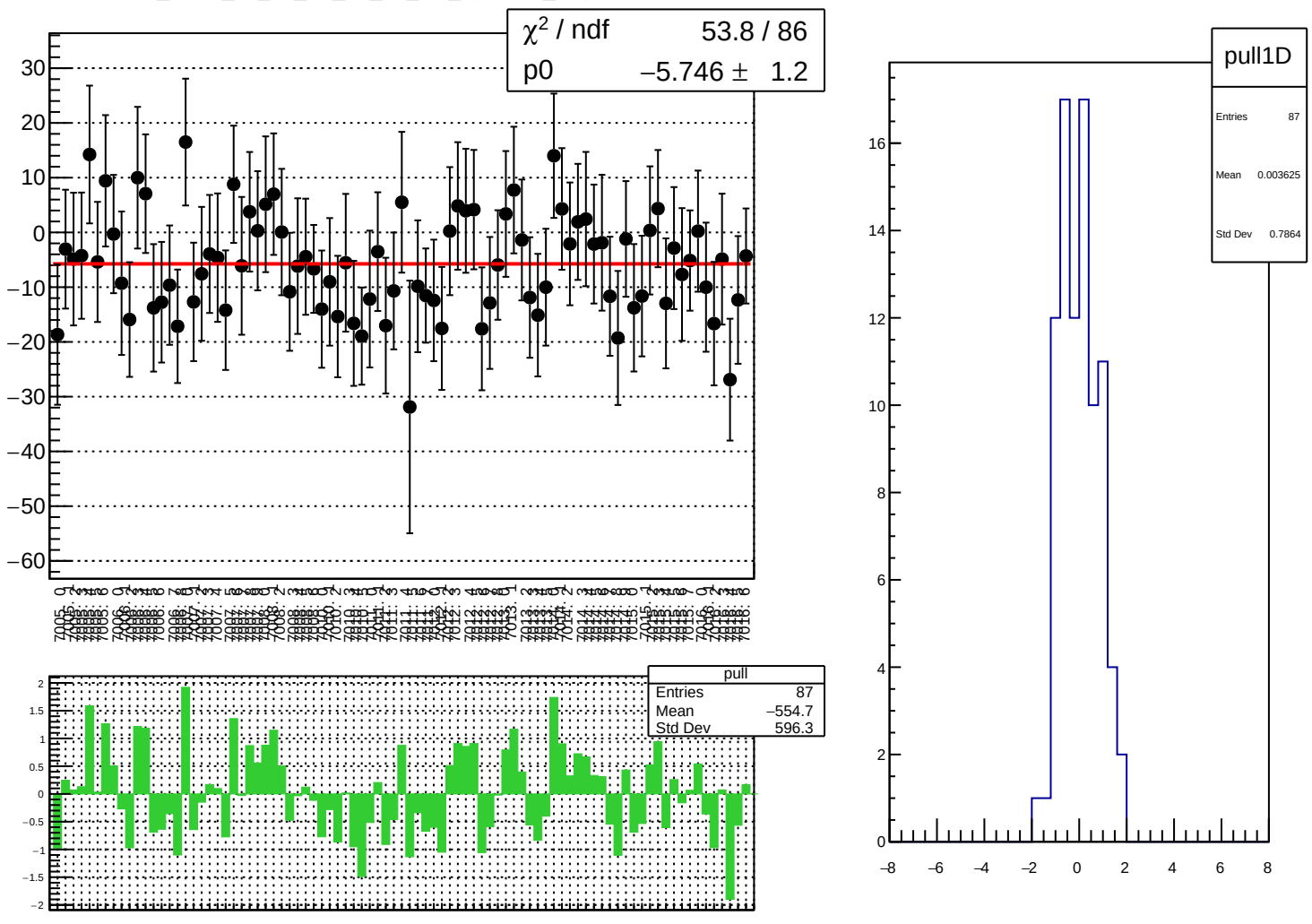

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.064 / 86
p0 −90.86 ± 3.831
pull
Entries 87
Mean 694.2
Std Dev 651.5
pull1D
Entries 87
Mean 0.005583
Std Dev 0.3227

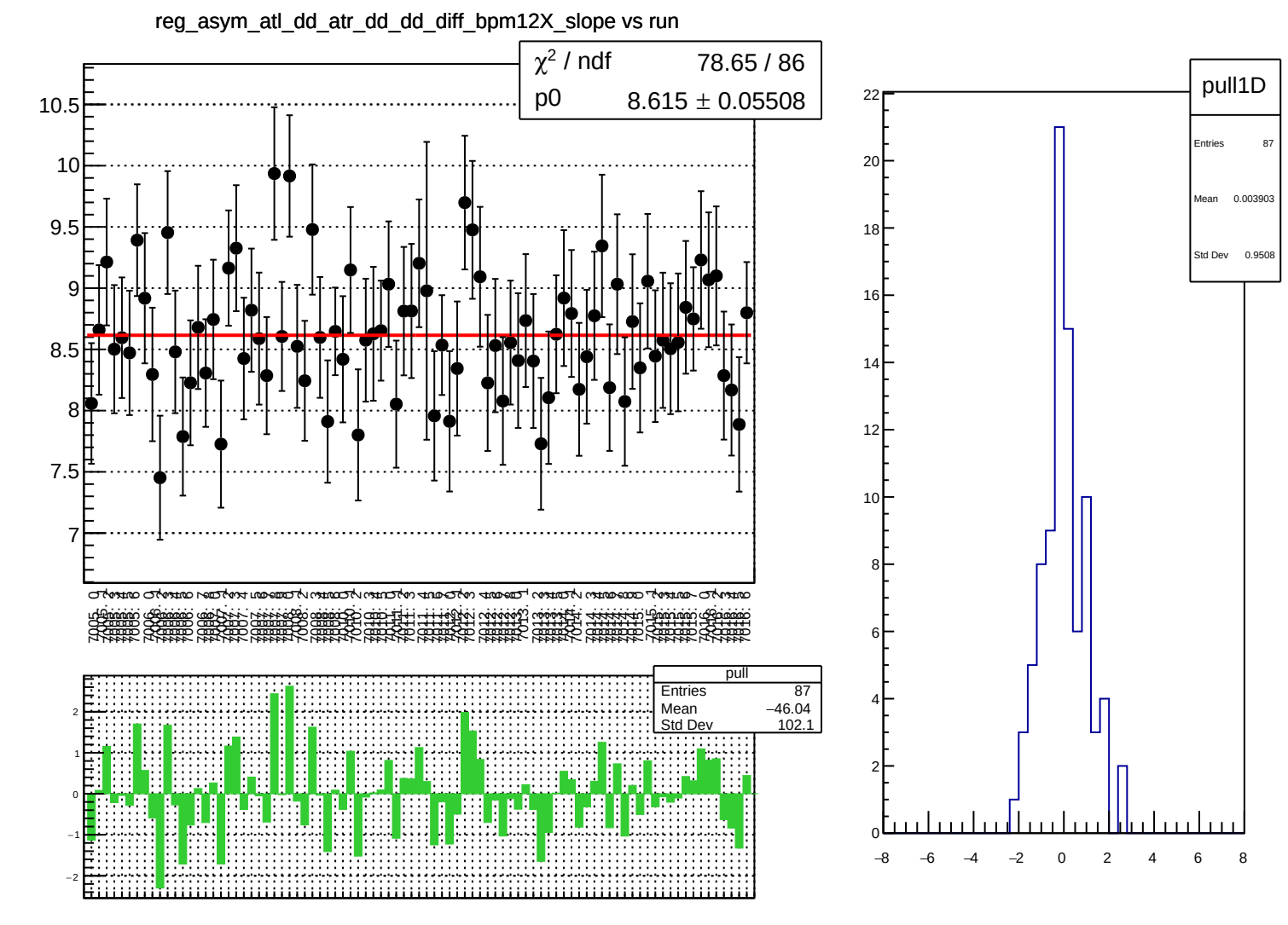

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.24 / 86
p0 129.7 ± 0.1761
pull
Entries 87
Mean 598.1
Std Dev 552.7
pull1D
Entries 87
Mean 0.004796
Std Dev 0.3901

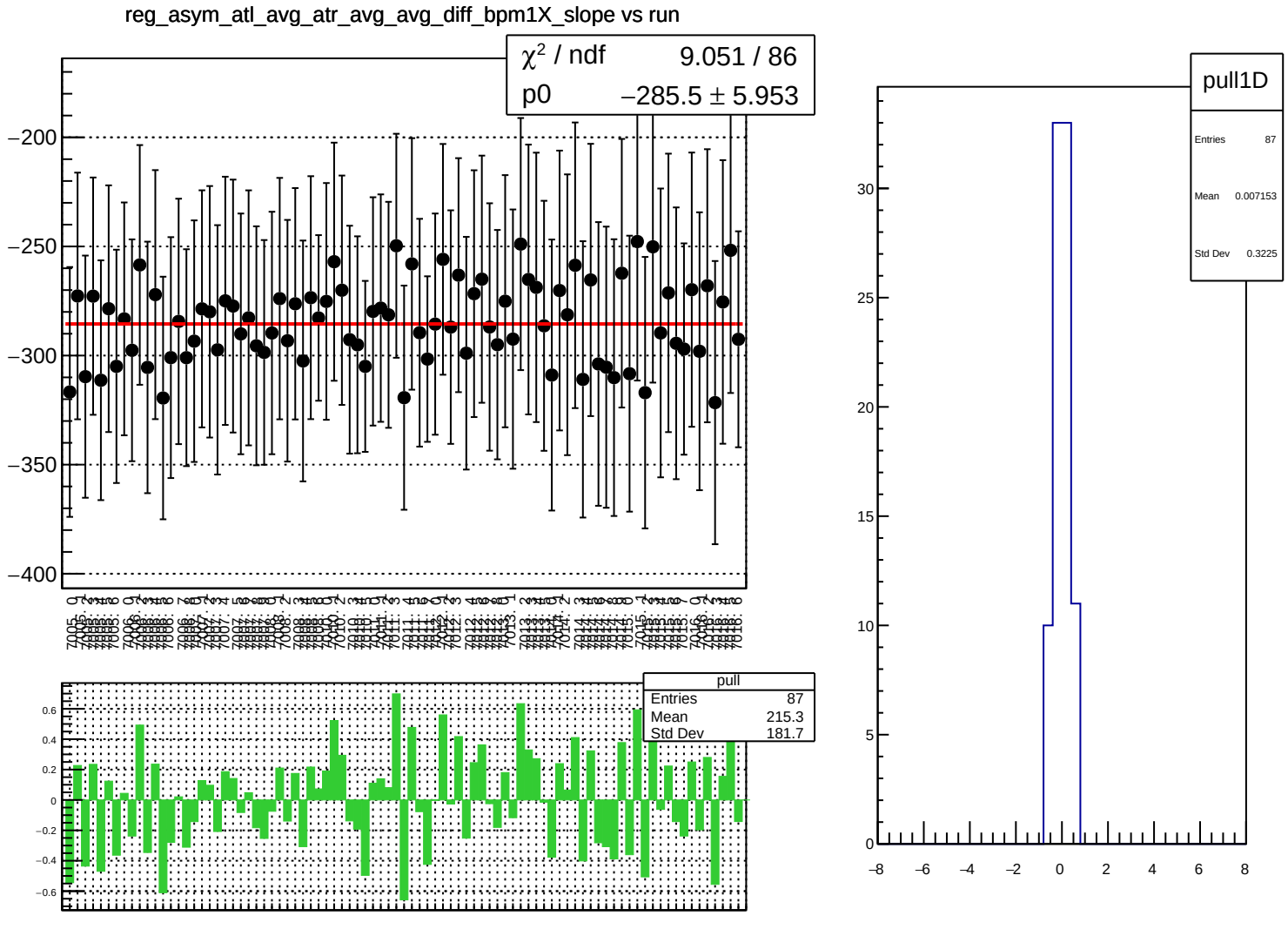

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 69.73 / 86
p0 29 ± 1.659
pull
Entries 87
Mean 521.9
Std Dev 450.9
pull1D
Entries 87
Mean 0.003736
Std Dev 0.8953

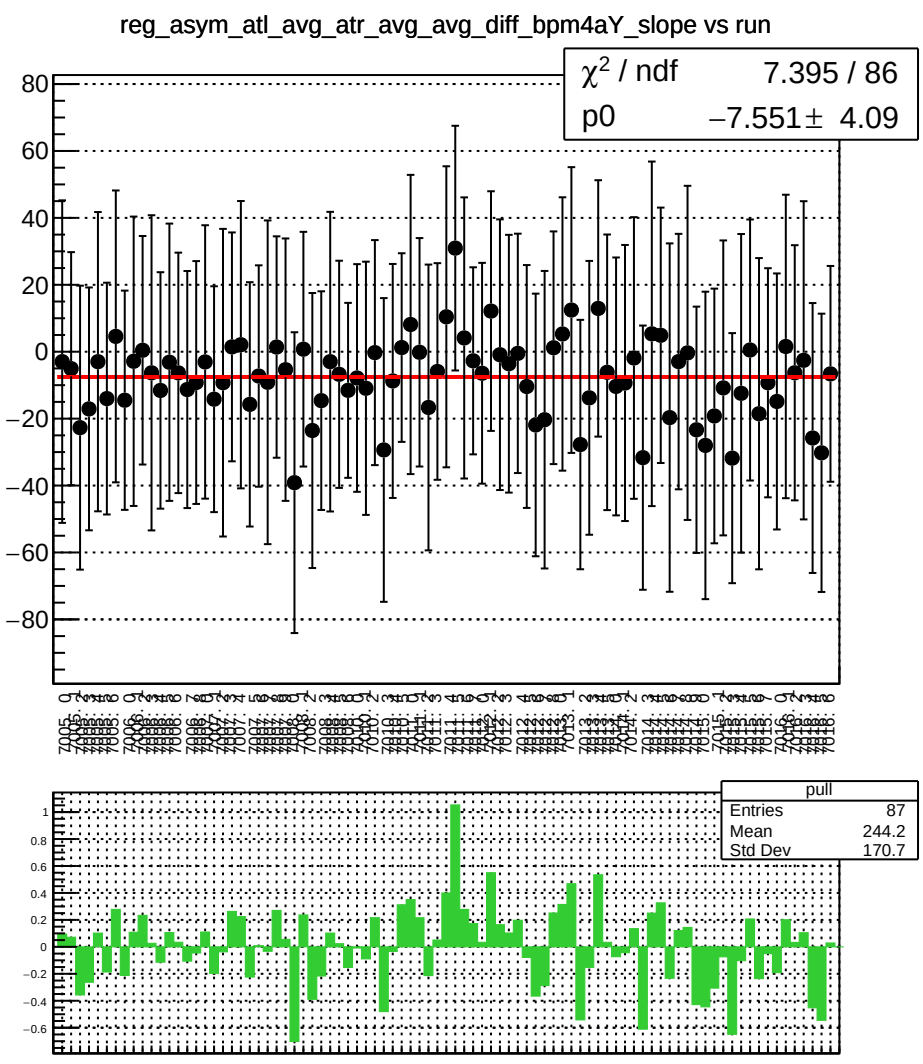

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.59 / 86
p0 1.789 ± 1.142
pull
Entries 87
Mean −258.8
Std Dev 303.5
pull1D
Entries 87
Mean −0.006301
Std Dev 0.8276

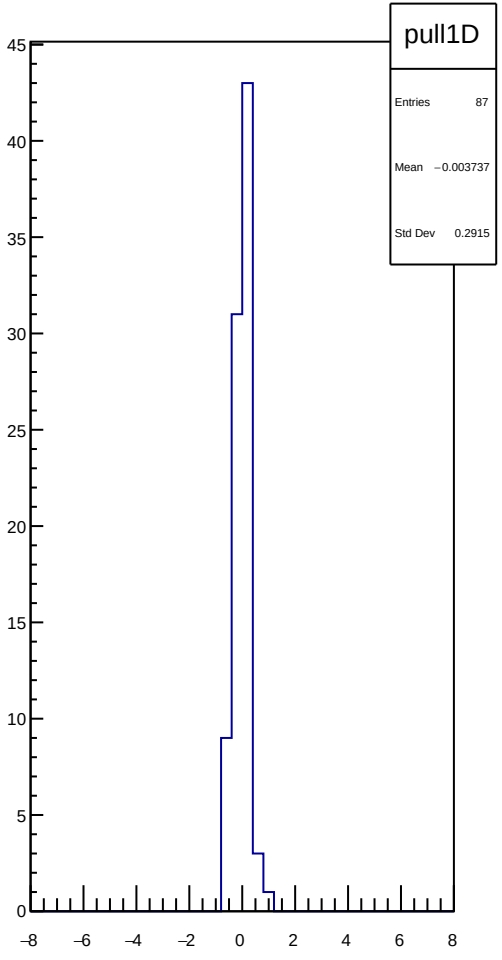

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.45 / 86
p0 38.95 ± 1.539
pull
Entries 87
Mean 1674
Std Dev 1609
pull1D
Entries 87
Mean −0.001371
Std Dev 0.887

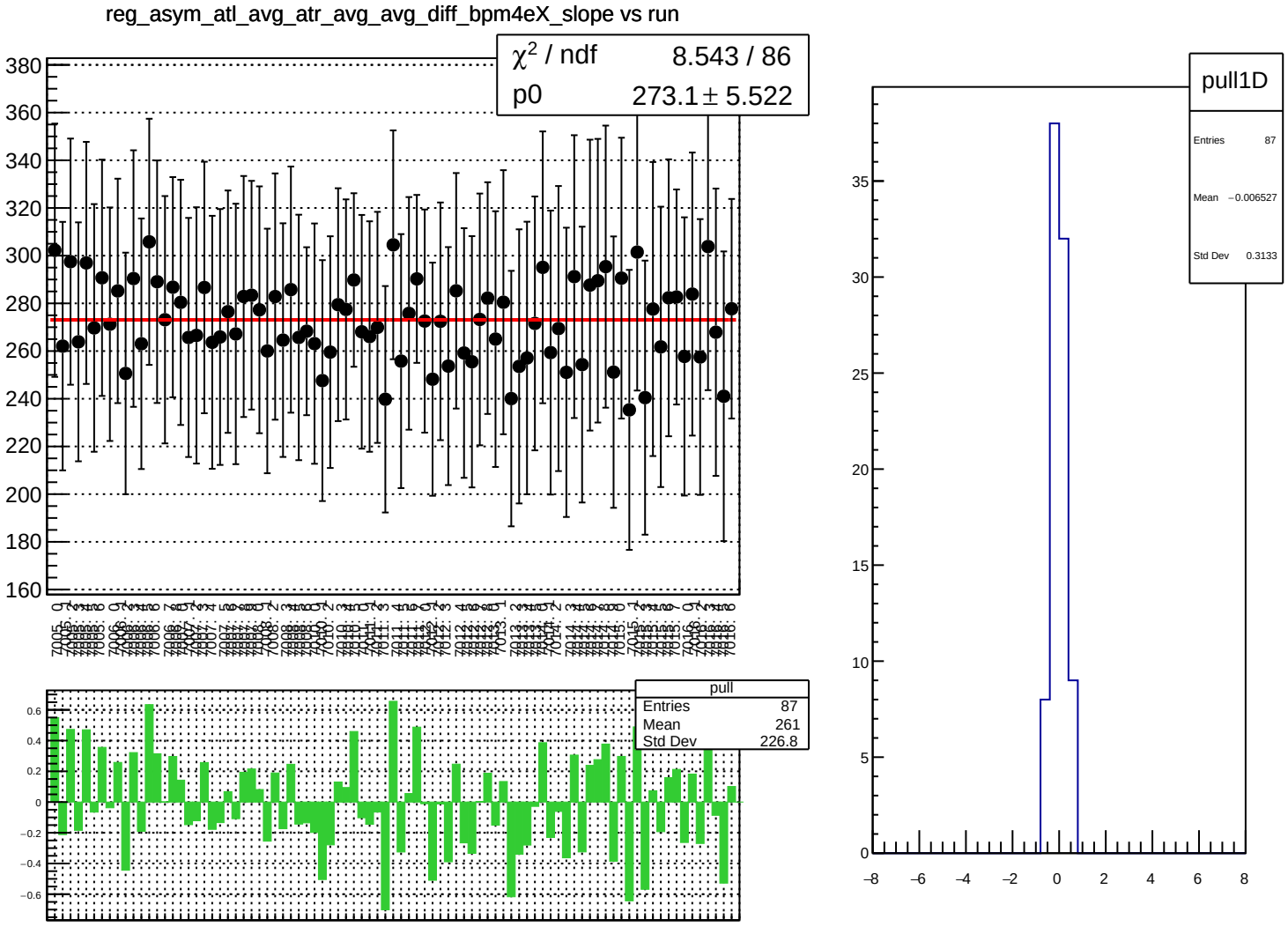

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.8 / 86
p0 −5.746 ± 1.2
pull
Entries 87
Mean −554.7
Std Dev 596.3
pull1D
Entries 87
Mean 0.003625
Std Dev 0.7864

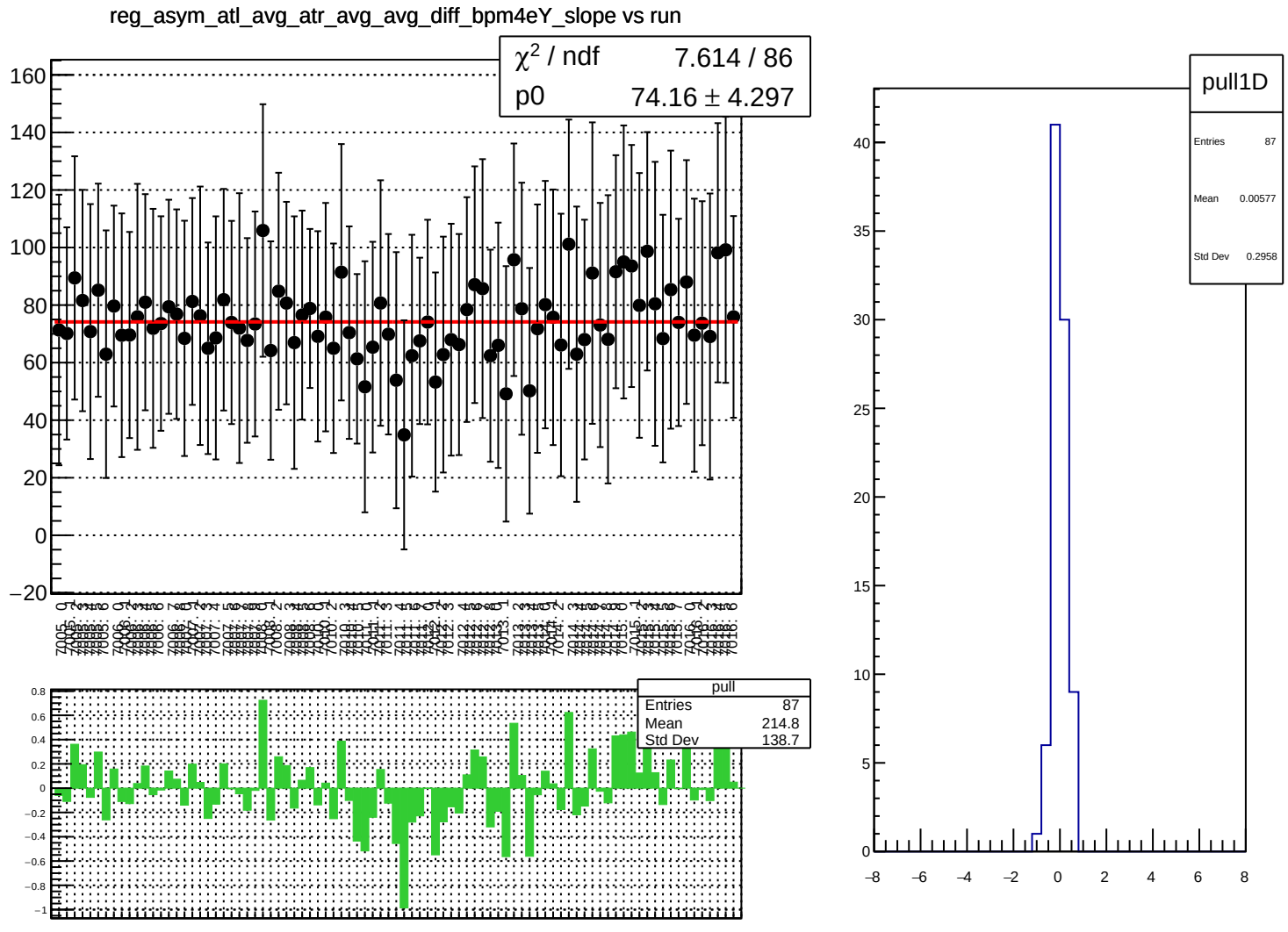

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 78.65 / 86
p0 8.615 ± 0.05508
pull
Entries 87
Mean −46.04
Std Dev 102.1
pull1D
Entries 87
Mean 0.003903
Std Dev 0.9508

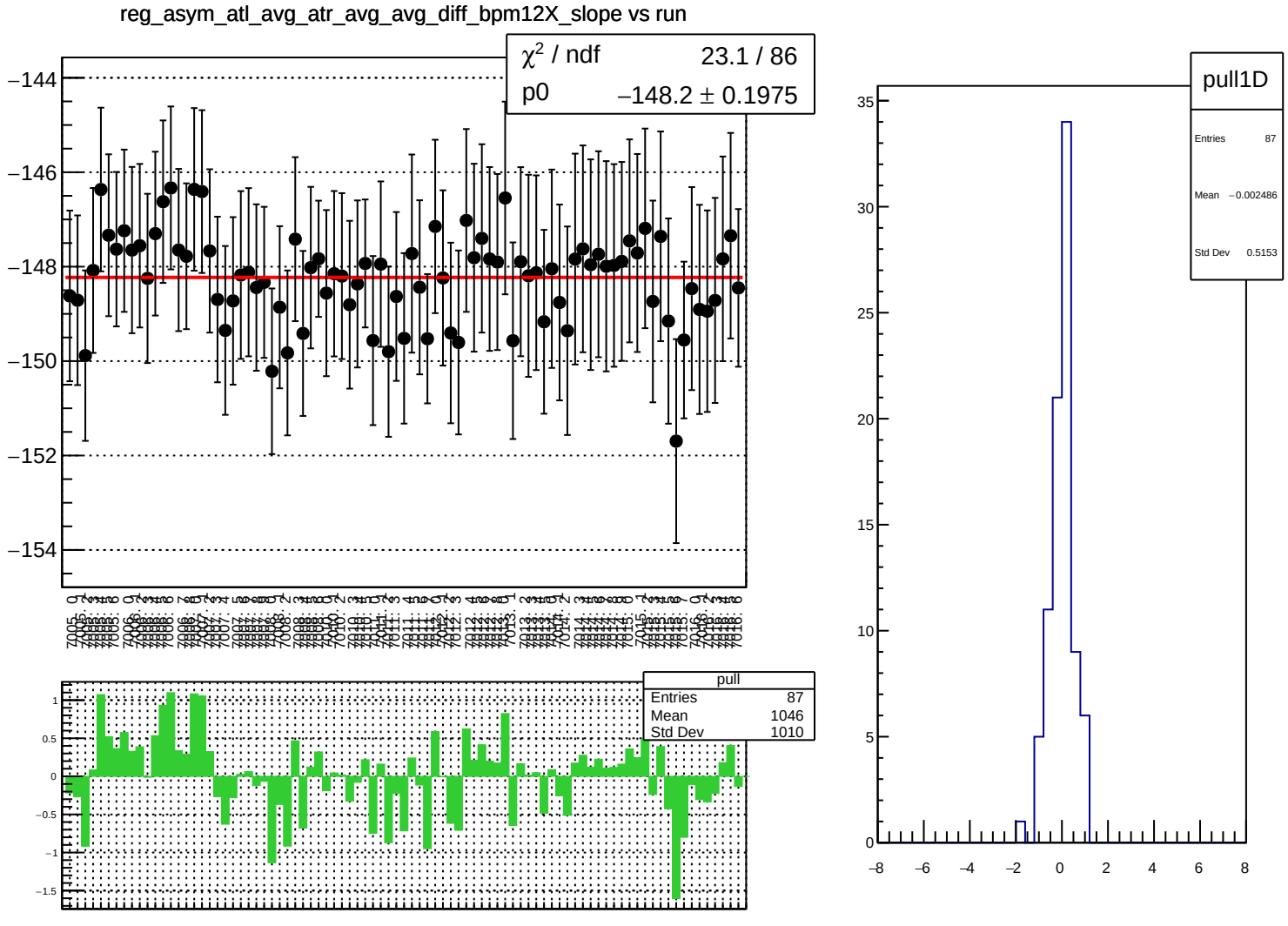

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 9.051 / 86
p0 −285.5 ± 5.953
−200
−250
−300
−350
−400
pull
Entries 87
Mean 215.3
Std Dev 181.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.007153
Std Dev 0.3225
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

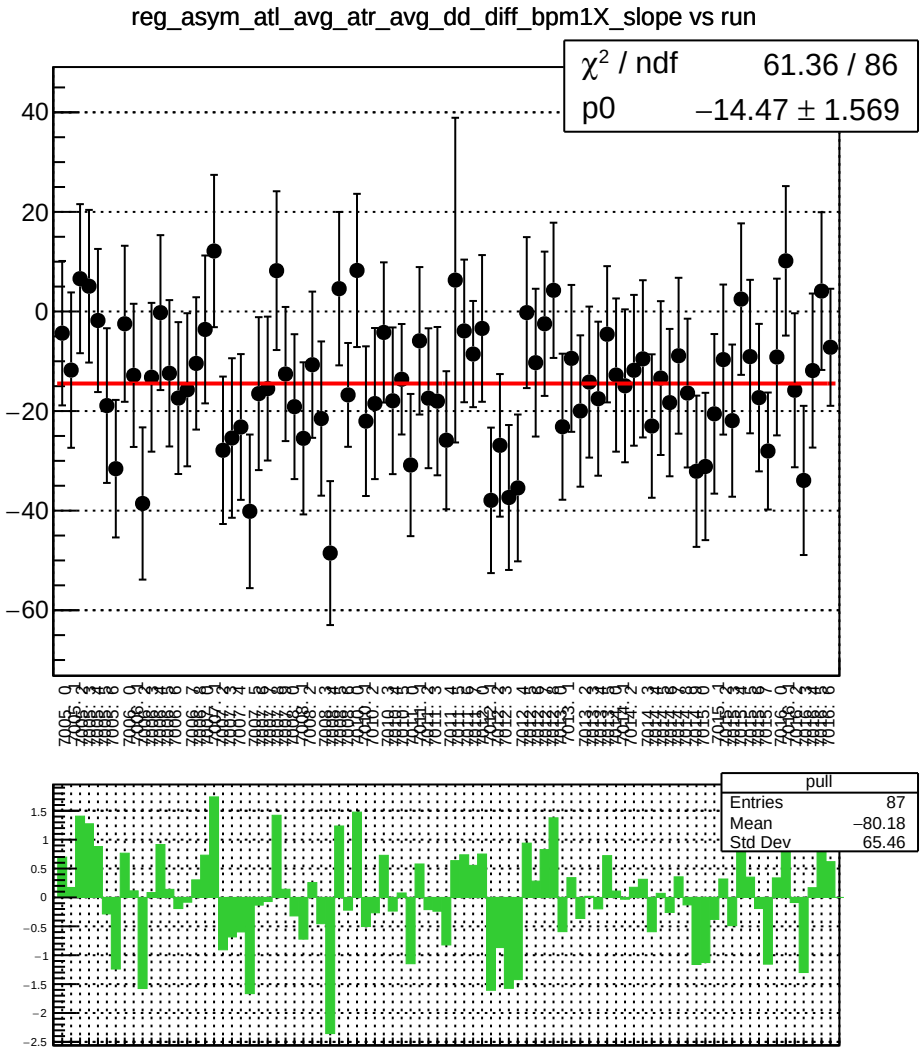

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.395 / 86
p0 −7.551 ± 4.09
pull
Entries 87
Mean 244.2
Std Dev 170.7

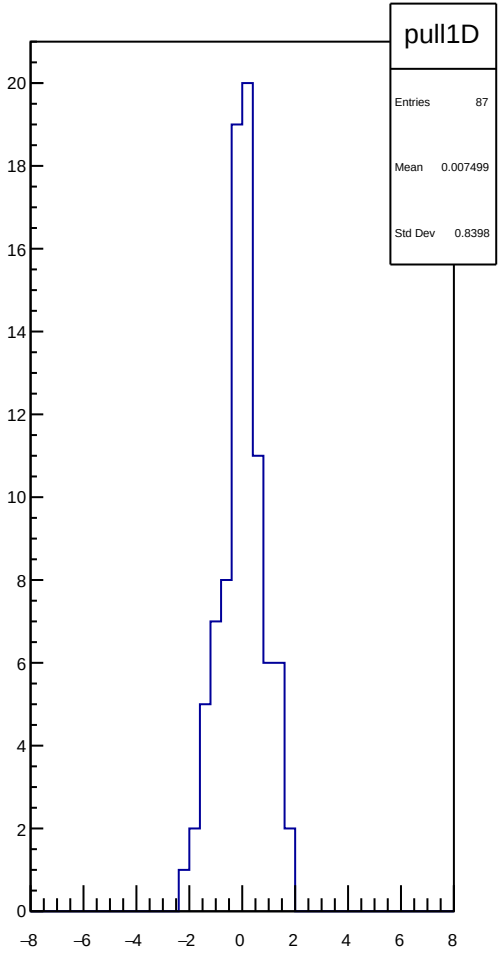

pull1D
Entries 87
Mean −0.003737
Std Dev 0.2915

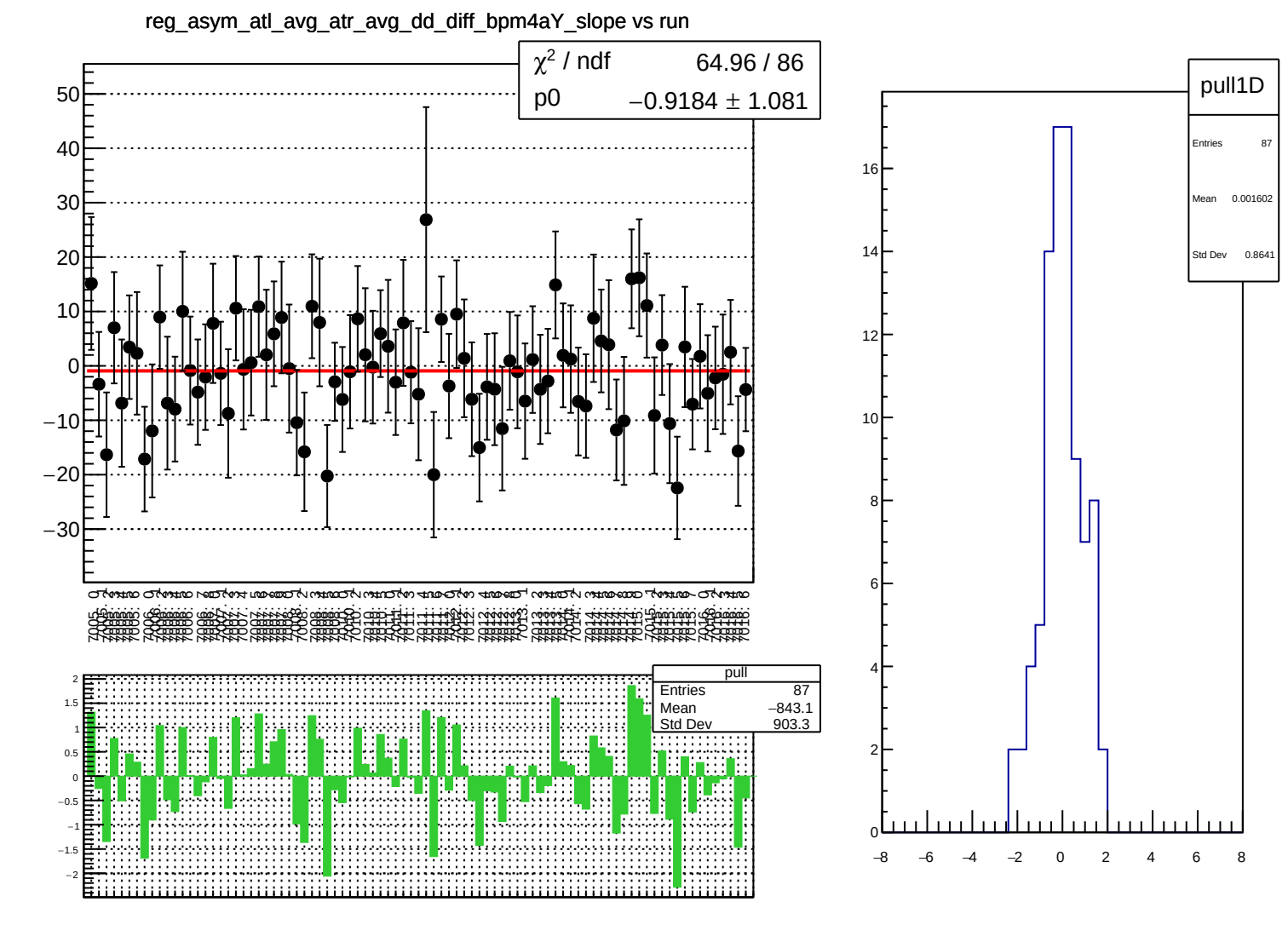

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.543 / 86
p0 273.1 ± 5.522
pull
Entries 87
Mean 261
Std Dev 226.8
pull1D
Entries 87
Mean −0.006527
Std Dev 0.3133

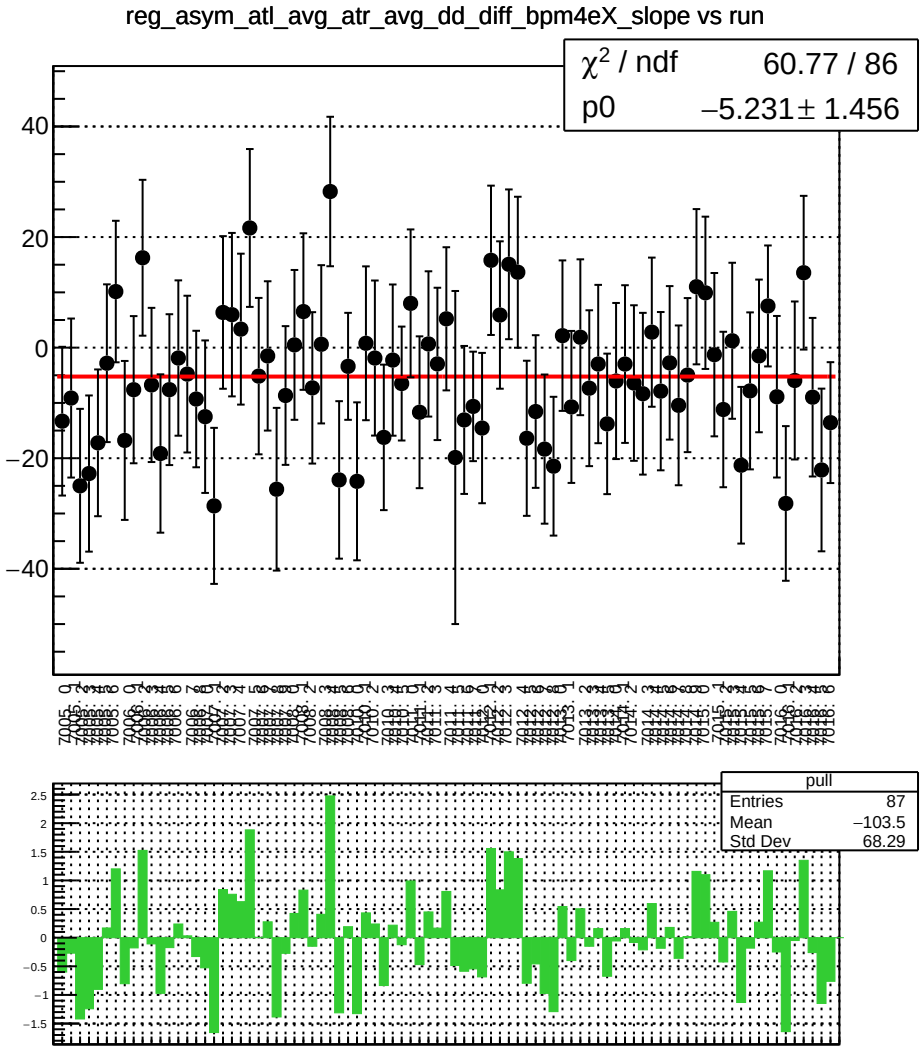

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.614 / 86
p0 74.16 ± 4.297
pull
Entries 87
Mean 214.8
Std Dev 138.7
pull1D
Entries 87
Mean 0.00577
Std Dev 0.2958

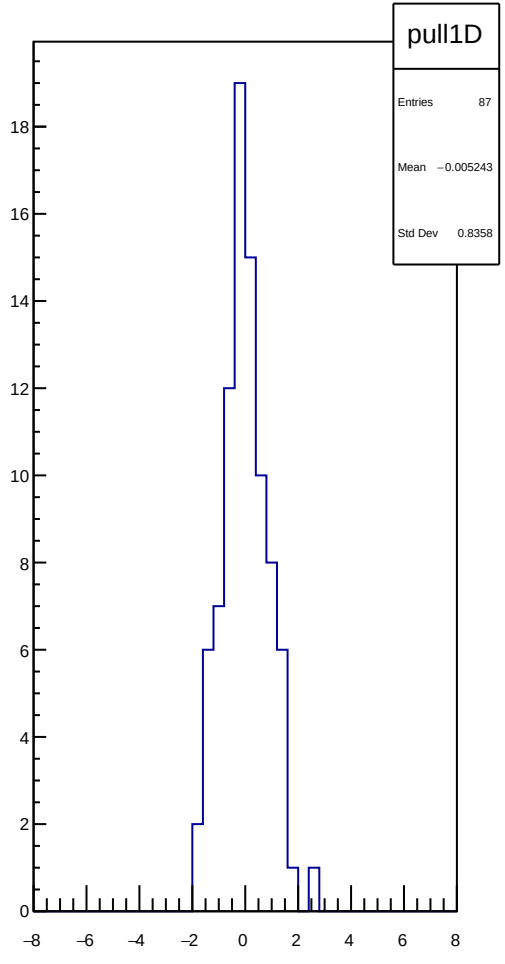

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 23.1 / 86
p0 −148.2 ± 0.1975
−144
−146
−148
−150
−152
−154
pull
Entries 87
Mean 1046
Std Dev 1010
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.002486
Std Dev 0.5153
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

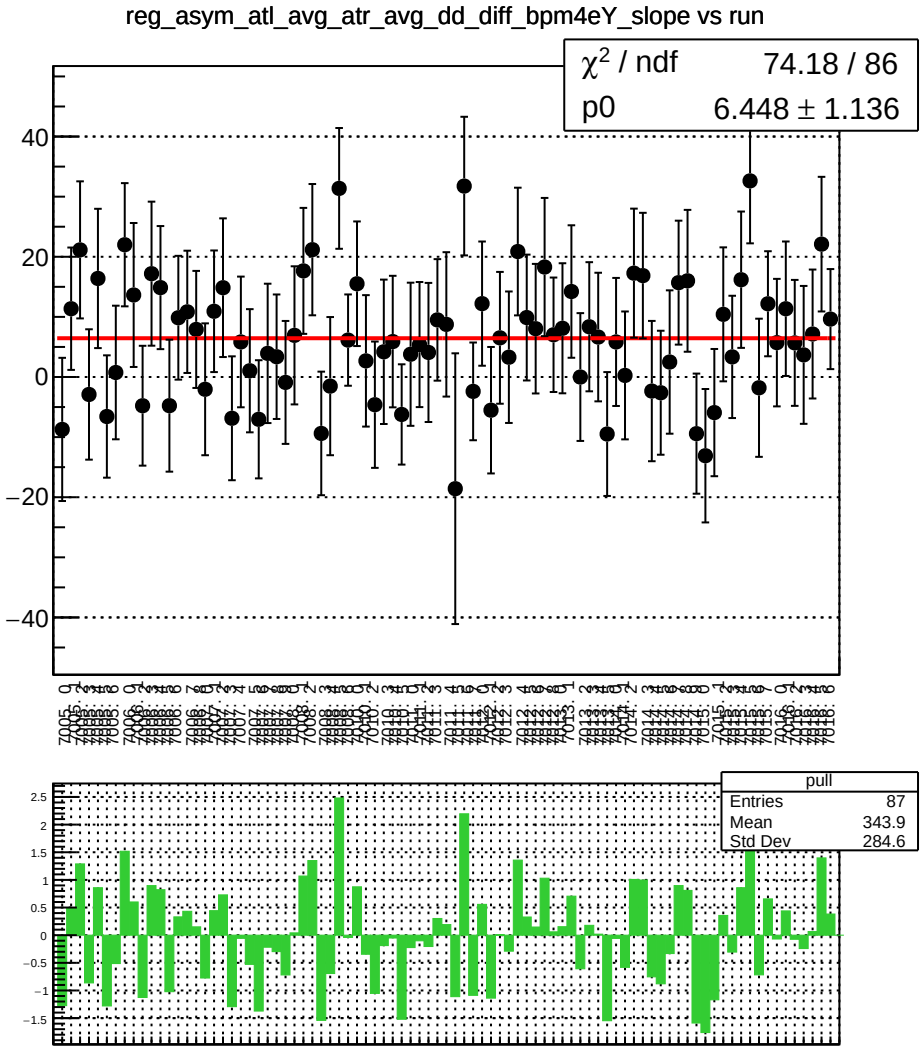

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 61.36 / 86
p0 −14.47 ± 1.569
pull
Entries 87
Mean −80.18
Std Dev 65.46

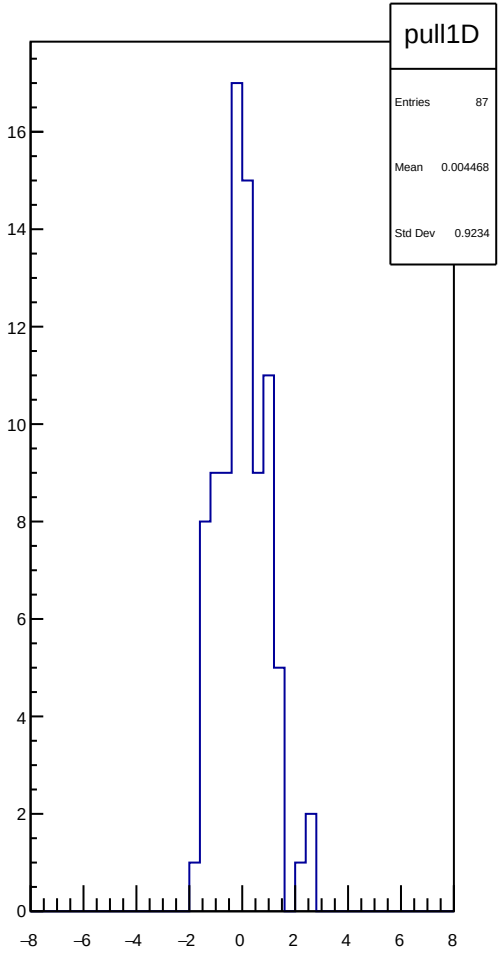

pull1D
Entries 87
Mean 0.007499
Std Dev 0.8398

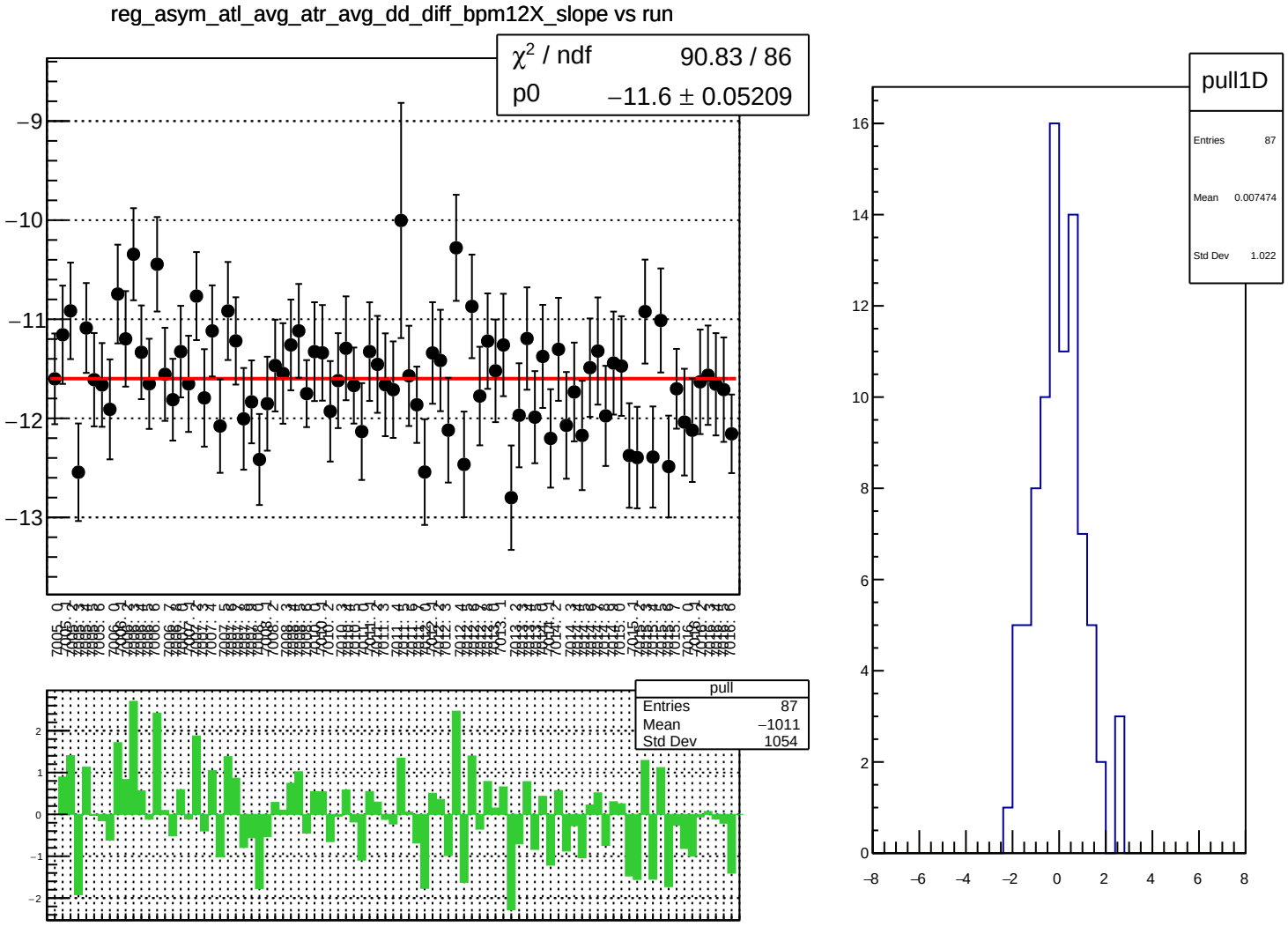

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.96 / 86
p0 −0.9184 ± 1.081
pull
Entries 87
Mean −843.1
Std Dev 903.3
pull1D
Entries 87
Mean 0.001602
Std Dev 0.8641

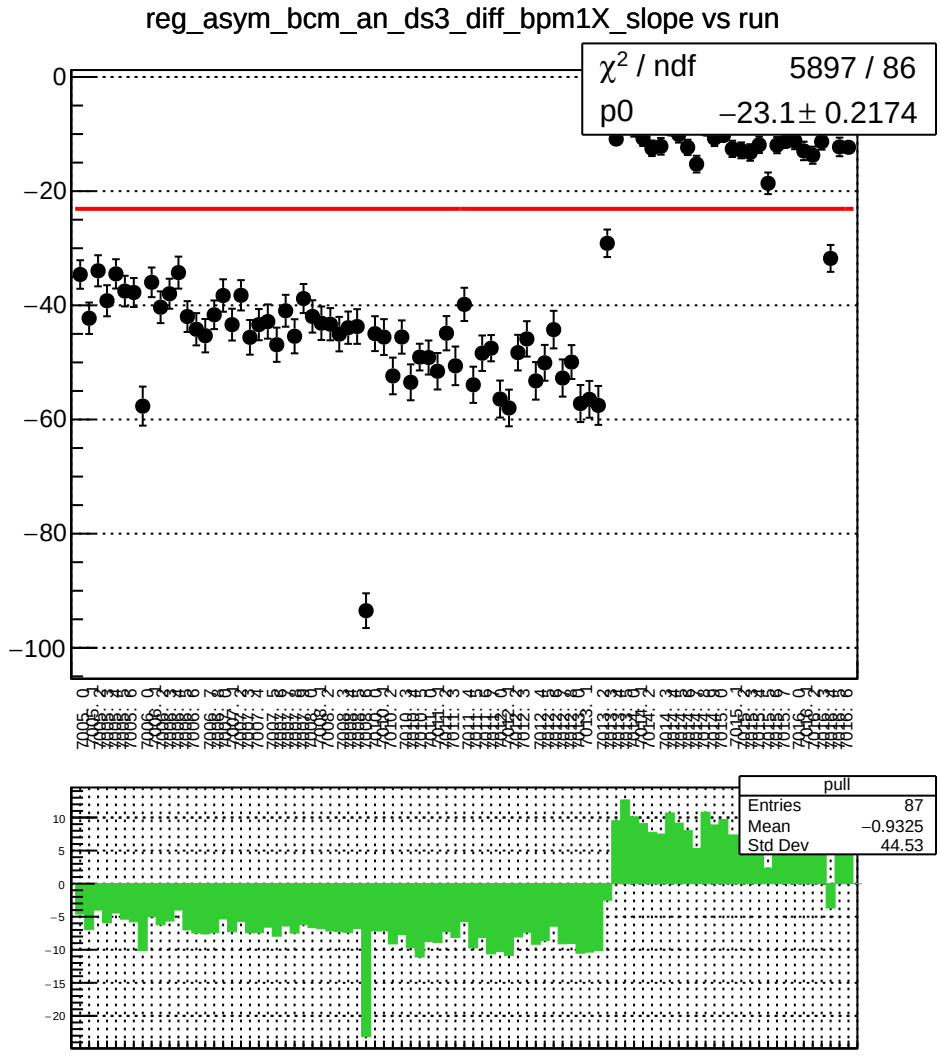

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.77 / 86
p0 −5.231 ± 1.456
pull
Entries 87
Mean −103.5
Std Dev 68.29

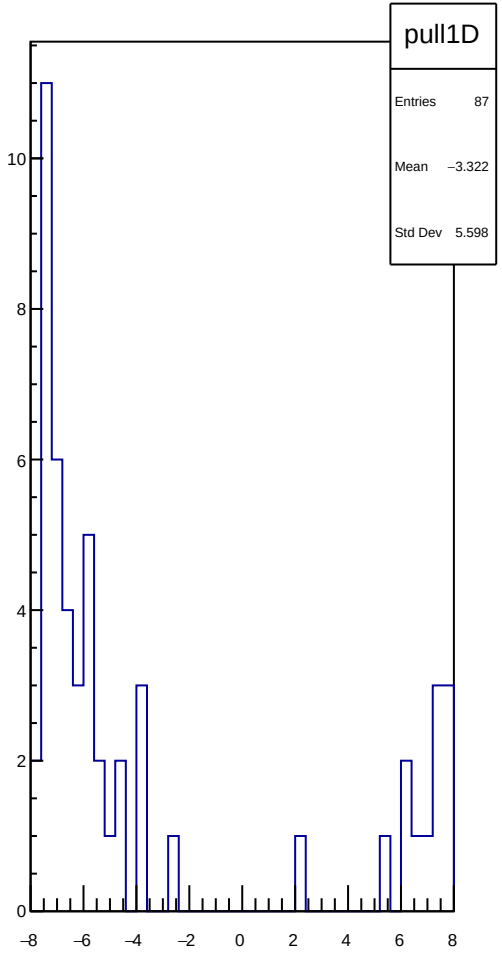

pull1D
Entries 87
Mean −0.005243
Std Dev 0.8358

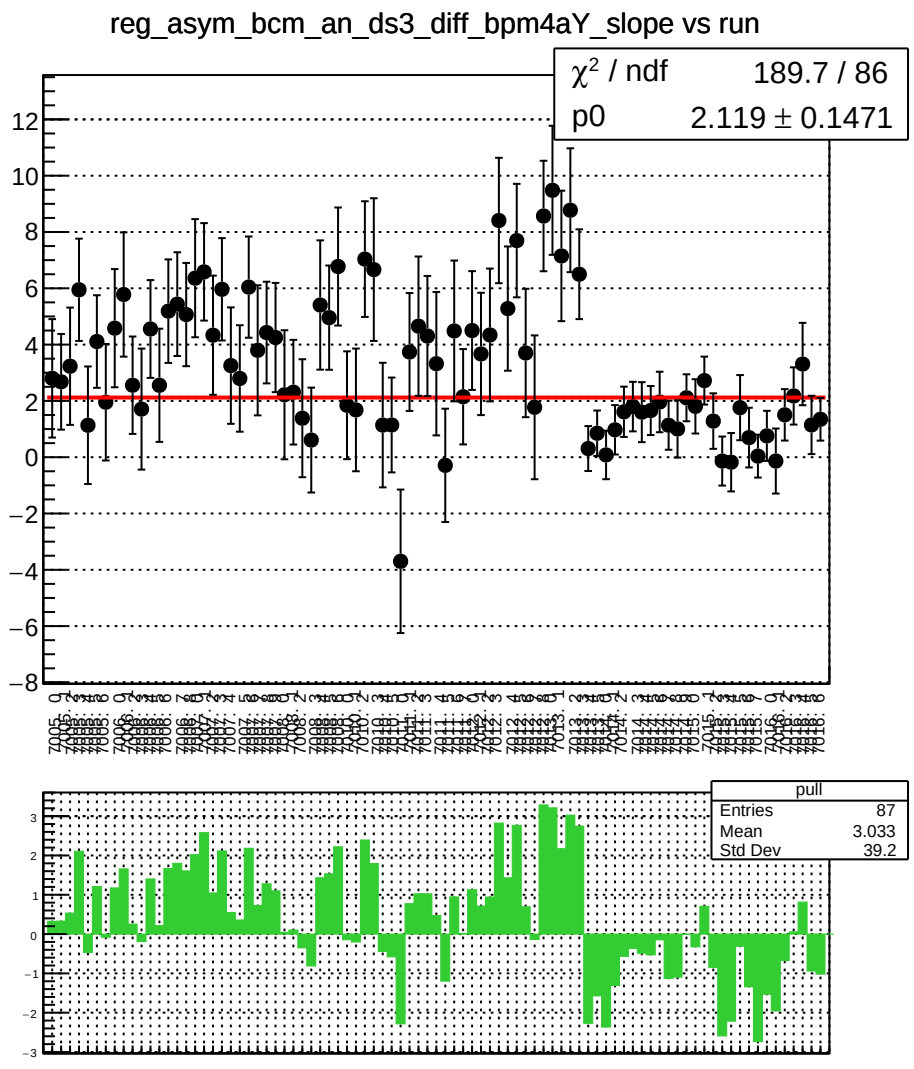

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.18 / 86
p0 6.448 ± 1.136
40
20
0
−20
−40
pull
Entries 87
Mean 343.9
Std Dev 284.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

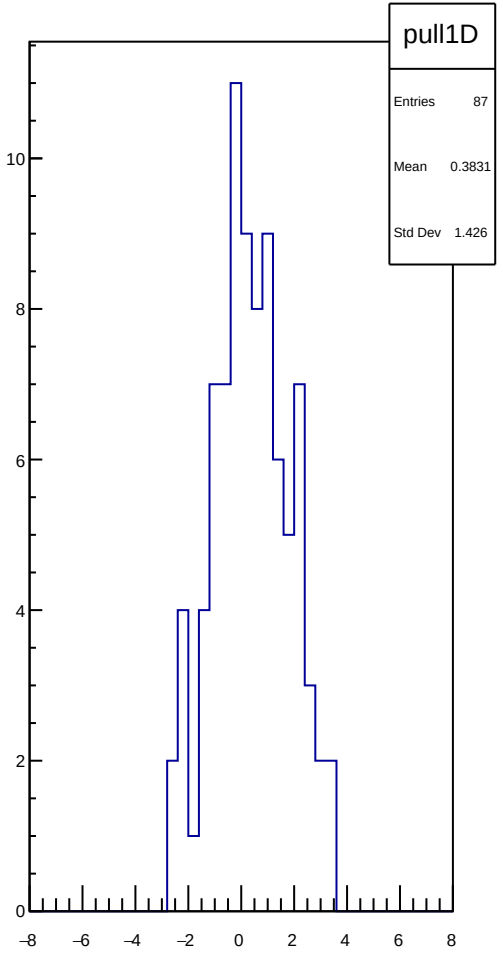

pull1D
Entries 87
Mean 0.004468
Std Dev 0.9234
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

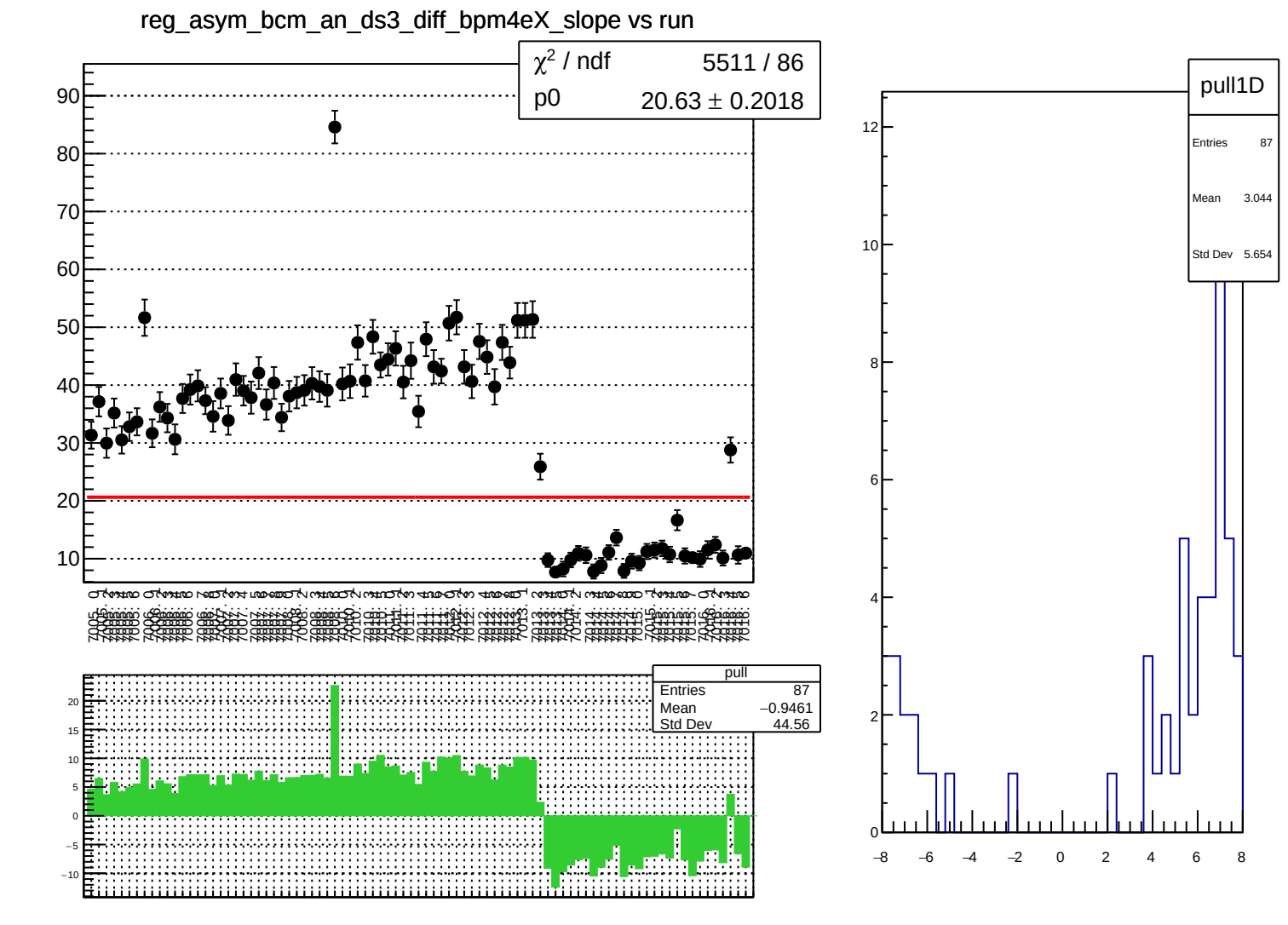

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 90.83 / 86
p0 −11.6 ± 0.05209
−9
−10
−11
−12
−13
pull
Entries 87
Mean −1011
Std Dev 1054
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.007474
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

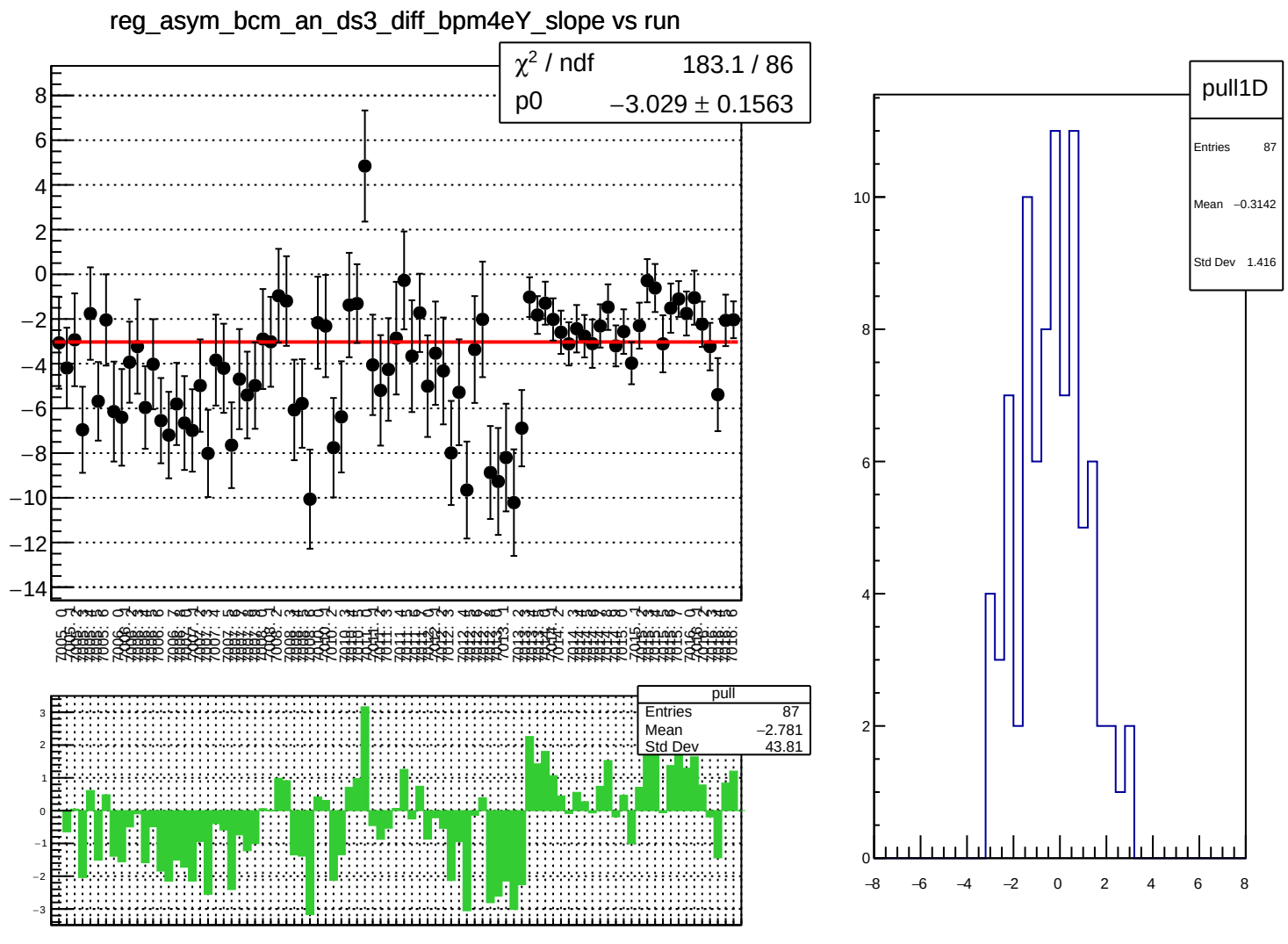

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 5897 / 86
p0 −23.1 ± 0.2174
pull
Entries 87
Mean −0.9325
Std Dev 44.53

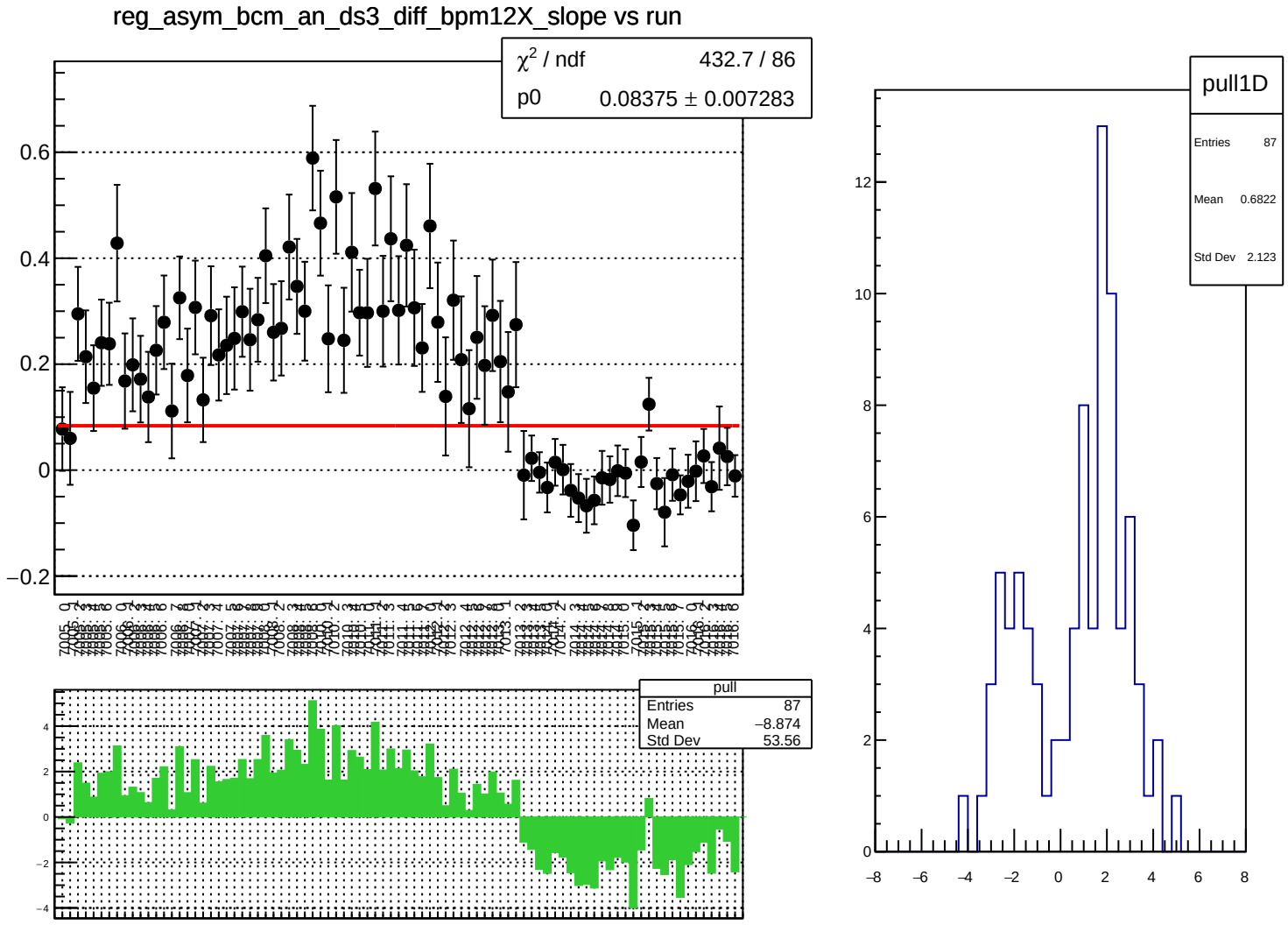

pull1D
Entries 87
Mean −3.322
Std Dev 5.598

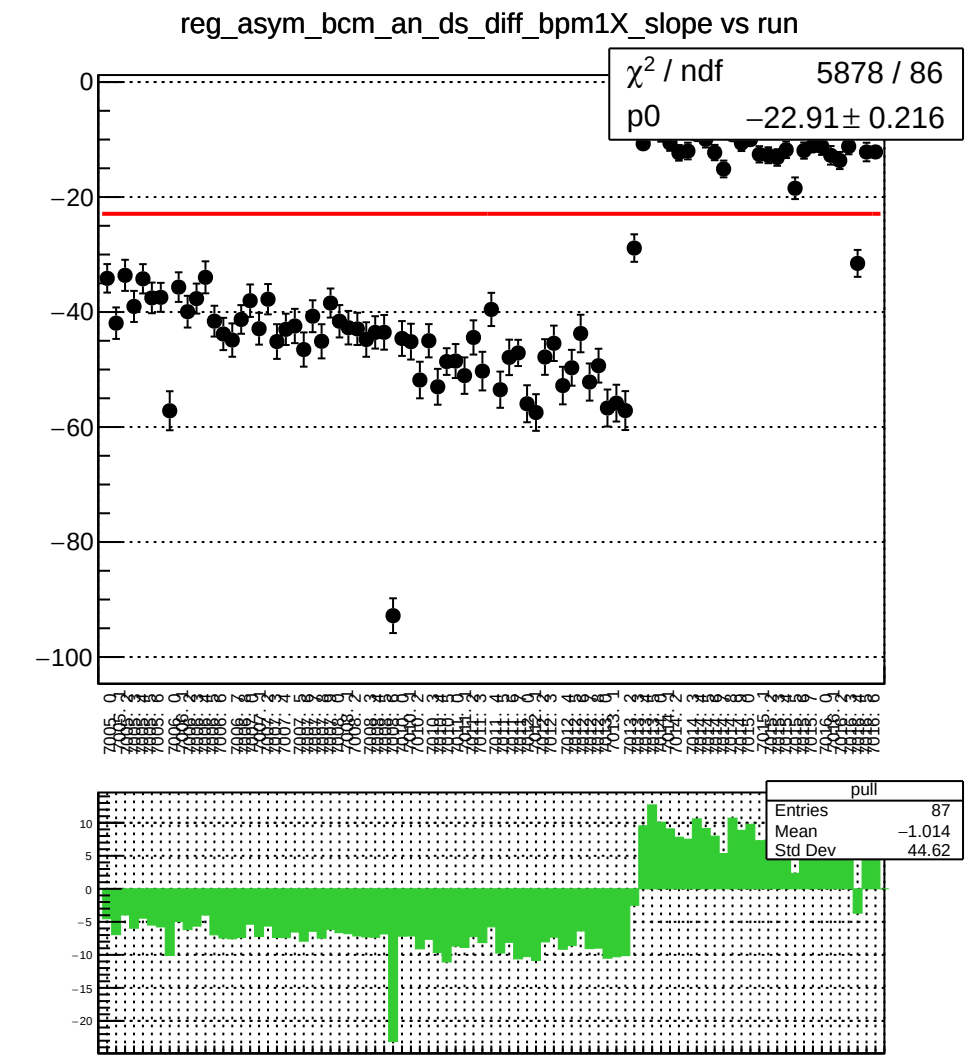

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 189.7 / 86
p0 2.119 ± 0.1471
pull
Entries 87
Mean 3.033
Std Dev 39.2

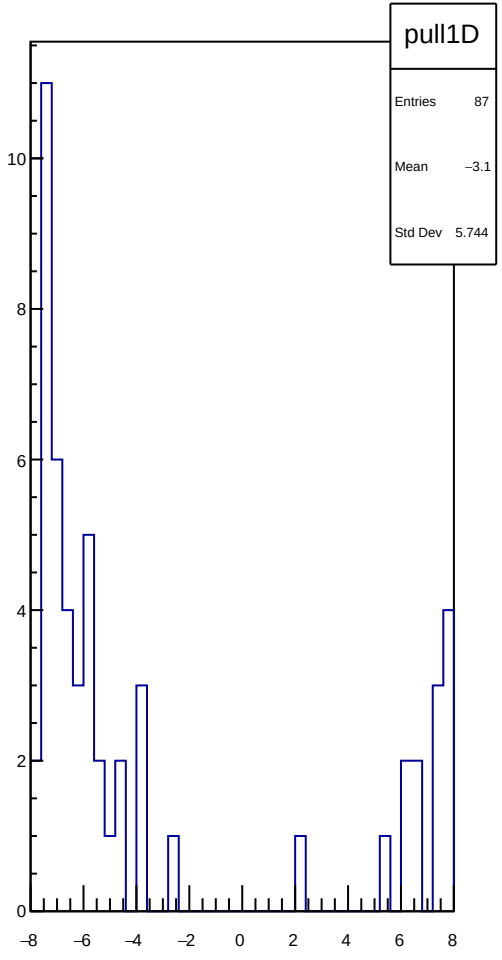

pull1D
Entries 87
Mean 0.3831
Std Dev 1.426

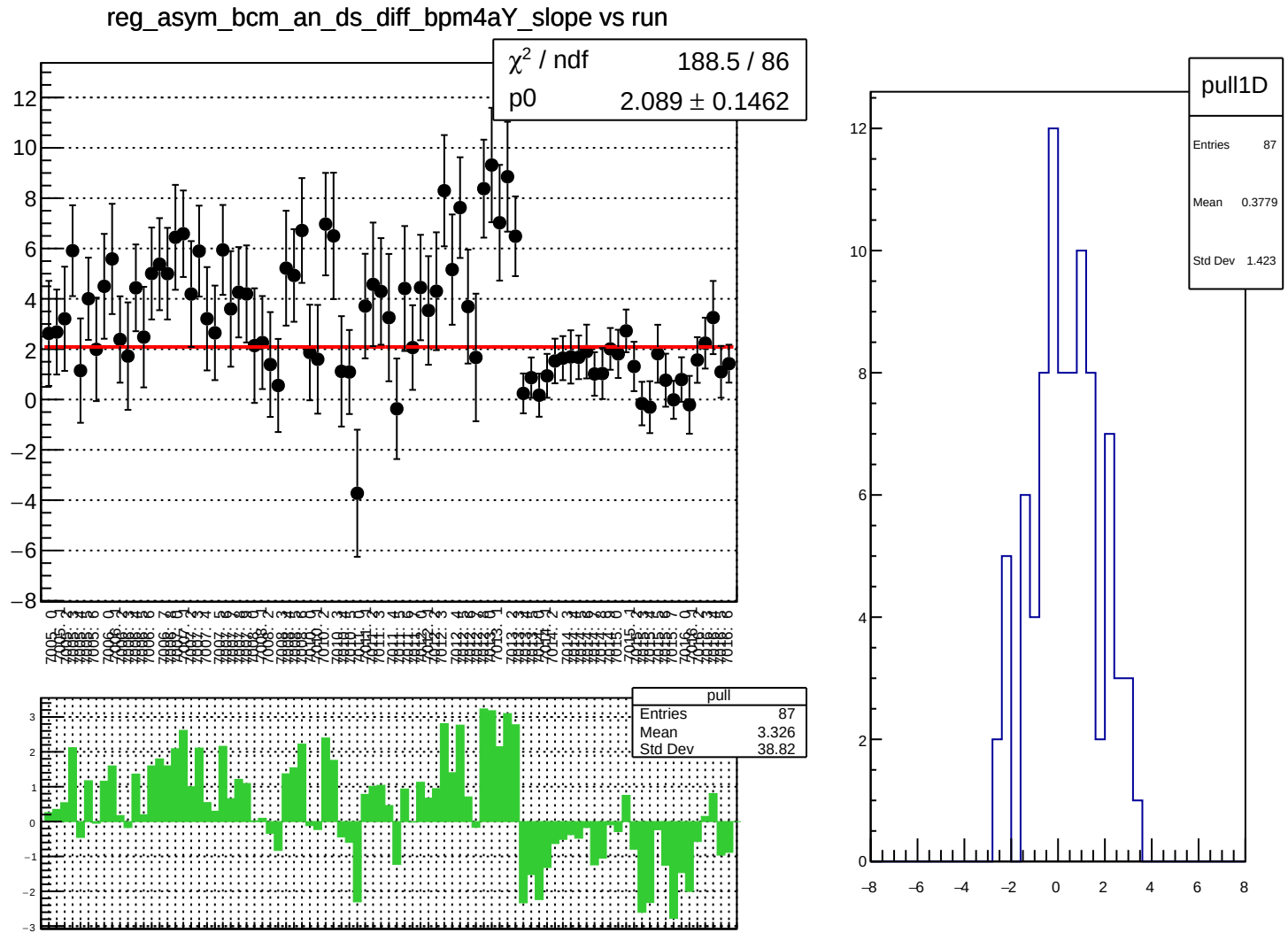

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 5511 / 86
p0 20.63 ± 0.2018
pull
Entries 87
Mean −0.9461
Std Dev 44.56
pull1D
Entries 87
Mean 3.044
Std Dev 5.654

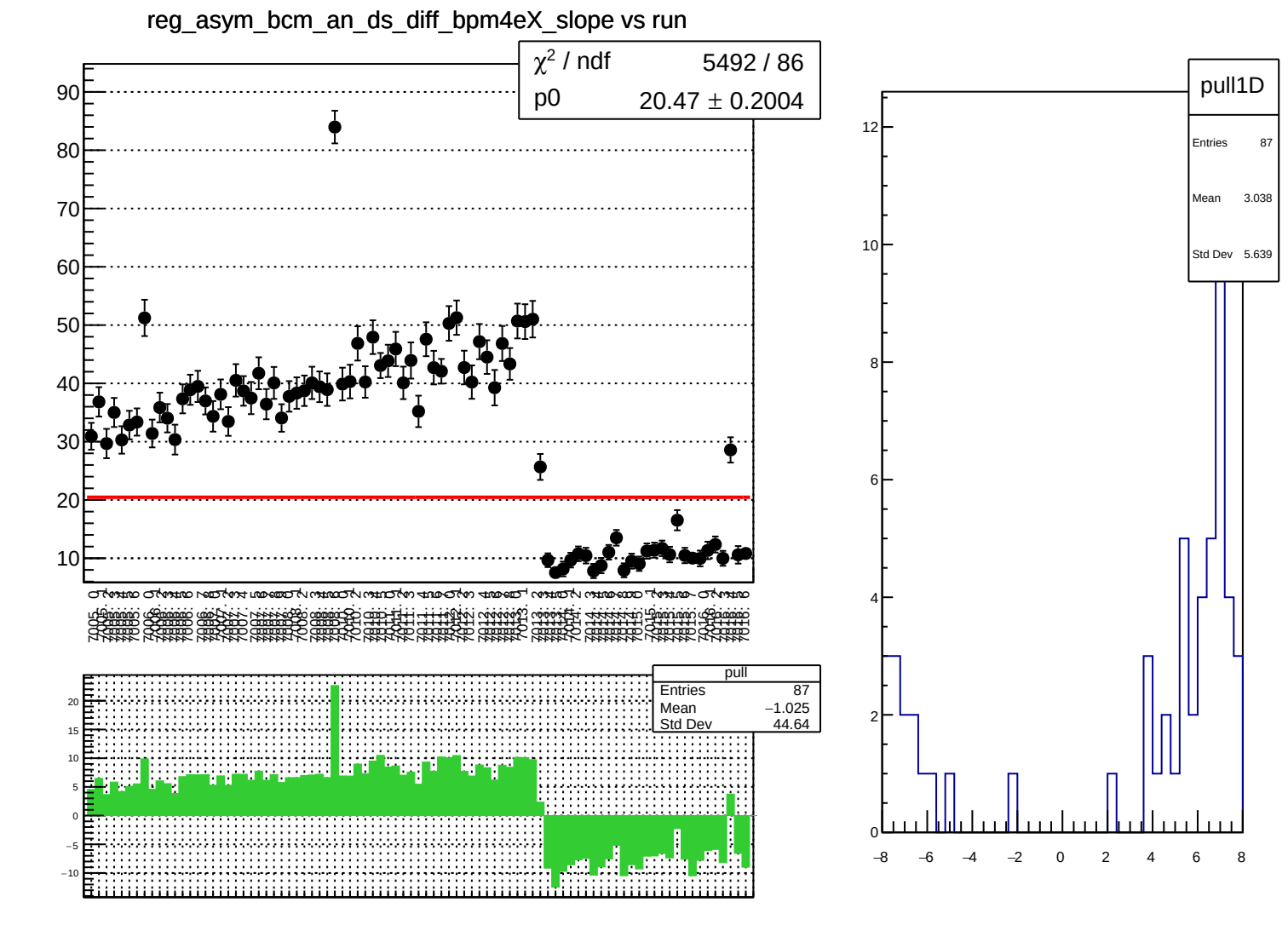

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 183.1 / 86
p0 −3.029 ± 0.1563
pull
Entries 87
Mean −2.781
Std Dev 43.81
pull1D
Entries 87
Mean −0.3142
Std Dev 1.416

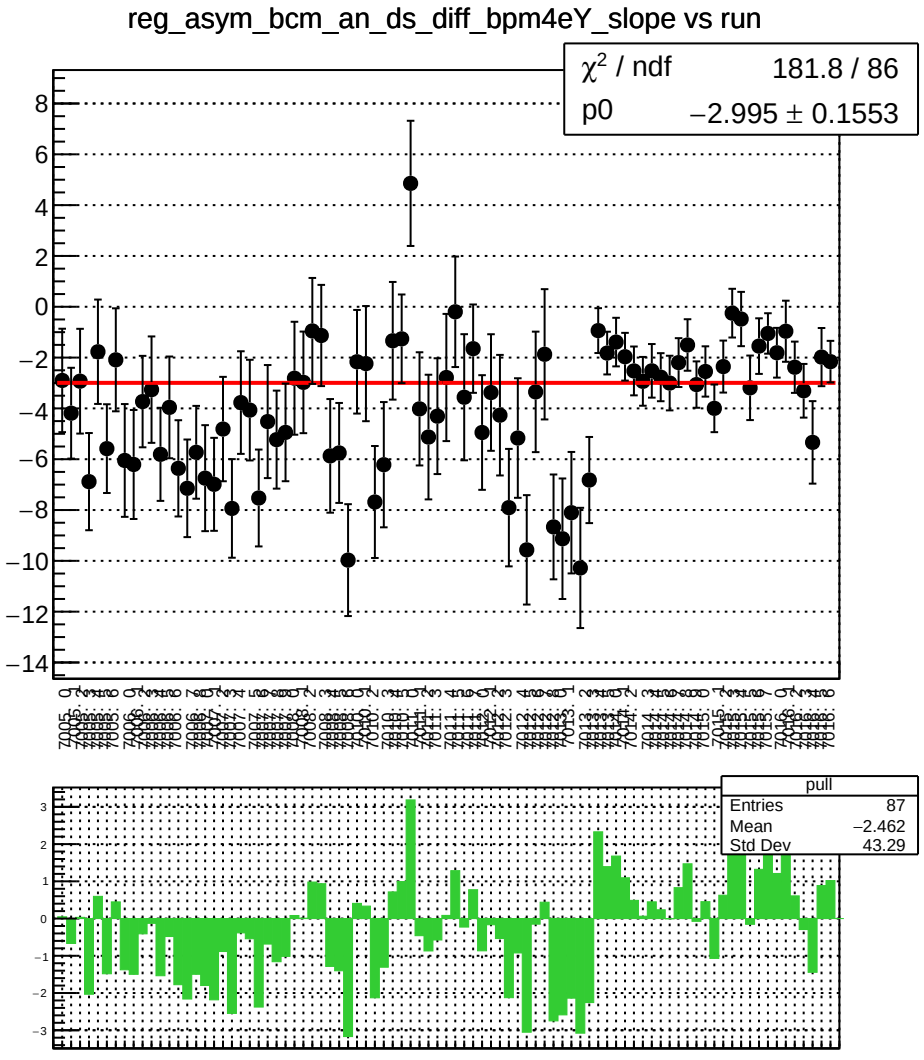

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 432.7 / 86
p0 0.08375 ± 0.007283
pull
Entries 87
Mean −8.874
Std Dev 53.56
pull1D
Entries 87
Mean 0.6822
Std Dev 2.123

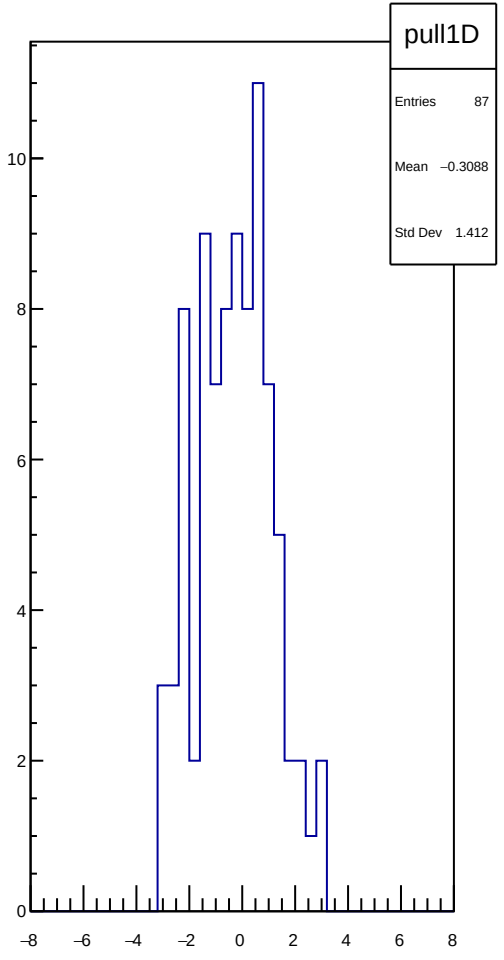

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 5878 / 86
p0 −22.91 ± 0.216
pull
Entries 87
Mean −1.014
Std Dev 44.62

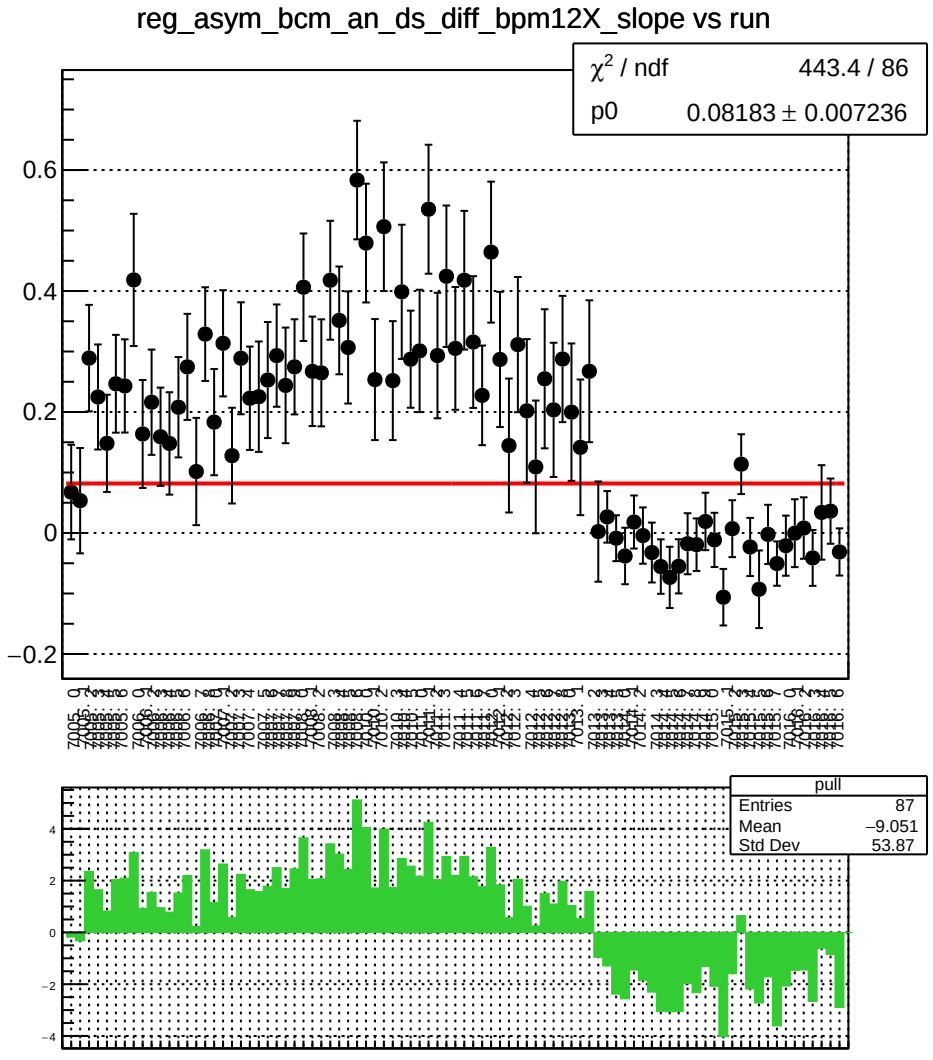

pull1D
Entries 87
Mean −3.1
Std Dev 5.744

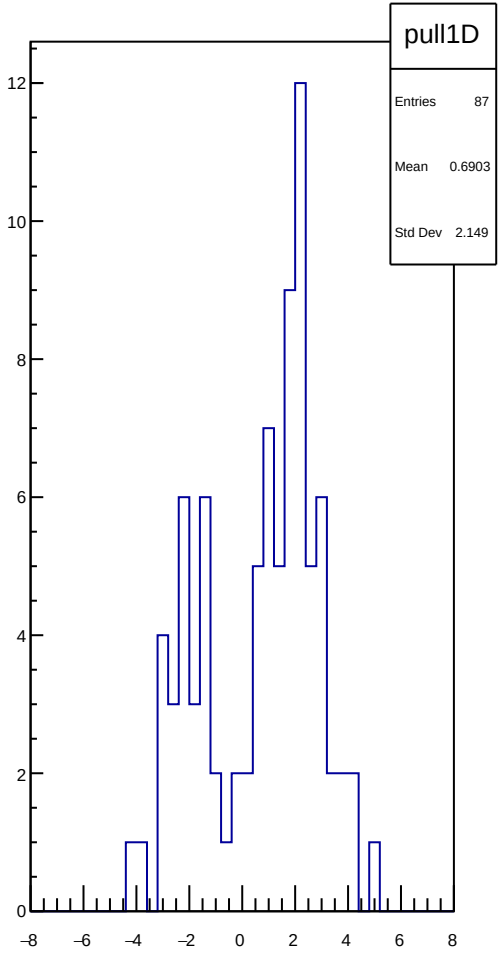

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 188.5 / 86
p0 2.089 ± 0.1462
pull
Entries 87
Mean 3.326
Std Dev 38.82
pull1D
Entries 87
Mean 0.3779
Std Dev 1.423

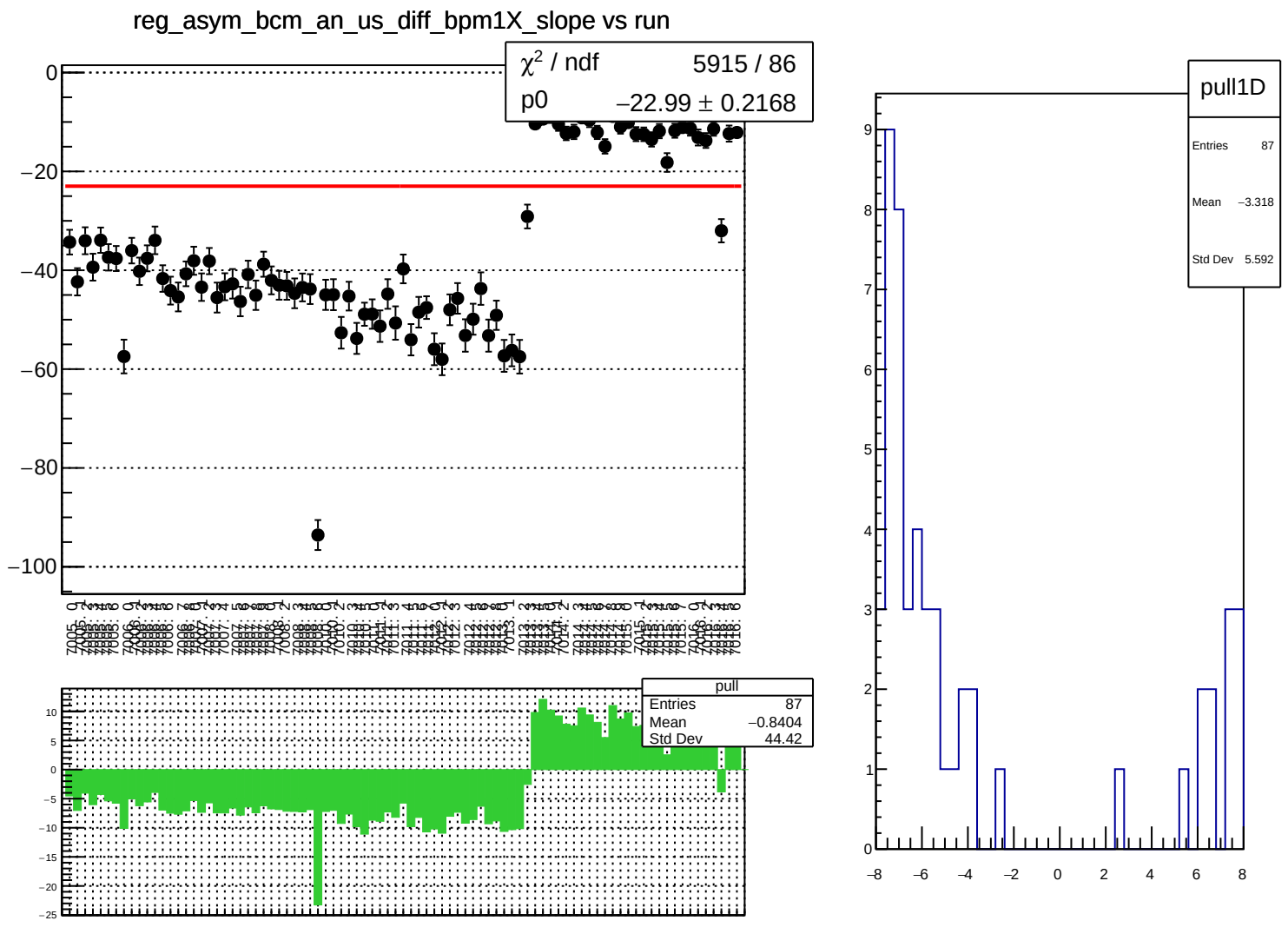

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 5492 / 86
p0 20.47 ± 0.2004
pull
Entries 87
Mean −1.025
Std Dev 44.64
pull1D
Entries 87
Mean 3.038
Std Dev 5.639

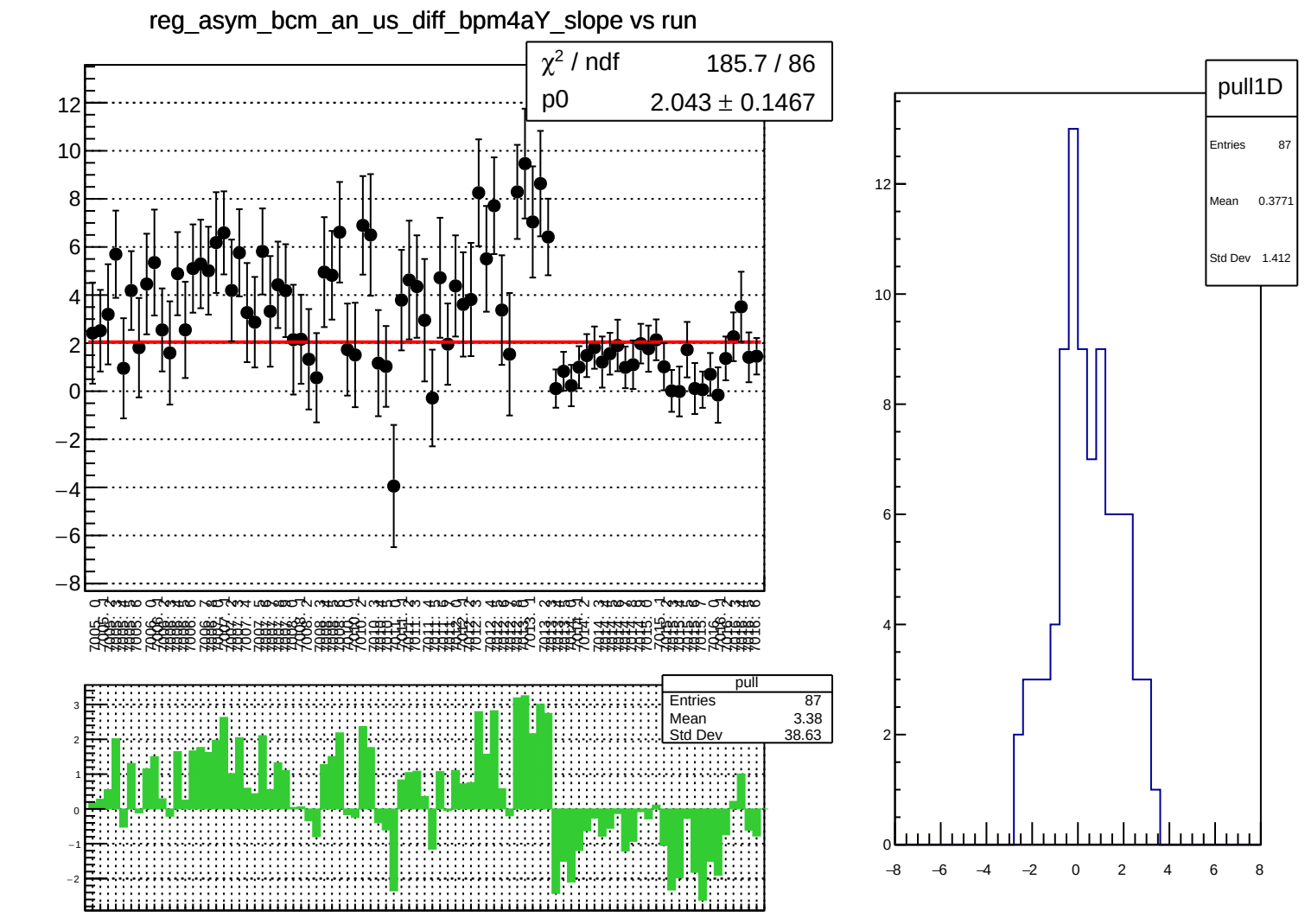

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 181.8 / 86
p0 −2.995 ± 0.1553
pull
Entries 87
Mean −2.462
Std Dev 43.29

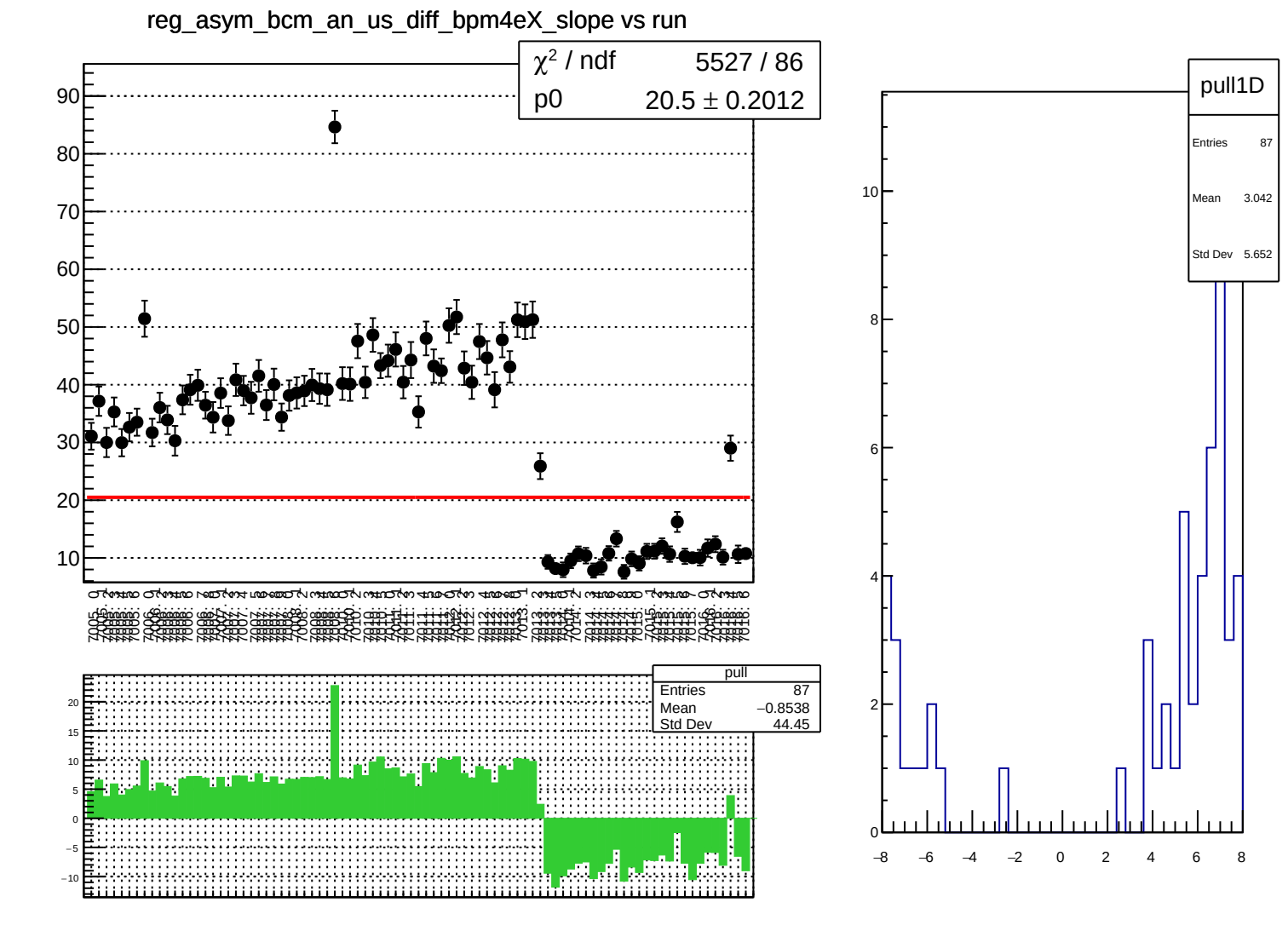

pull1D
Entries 87
Mean −0.3088
Std Dev 1.412

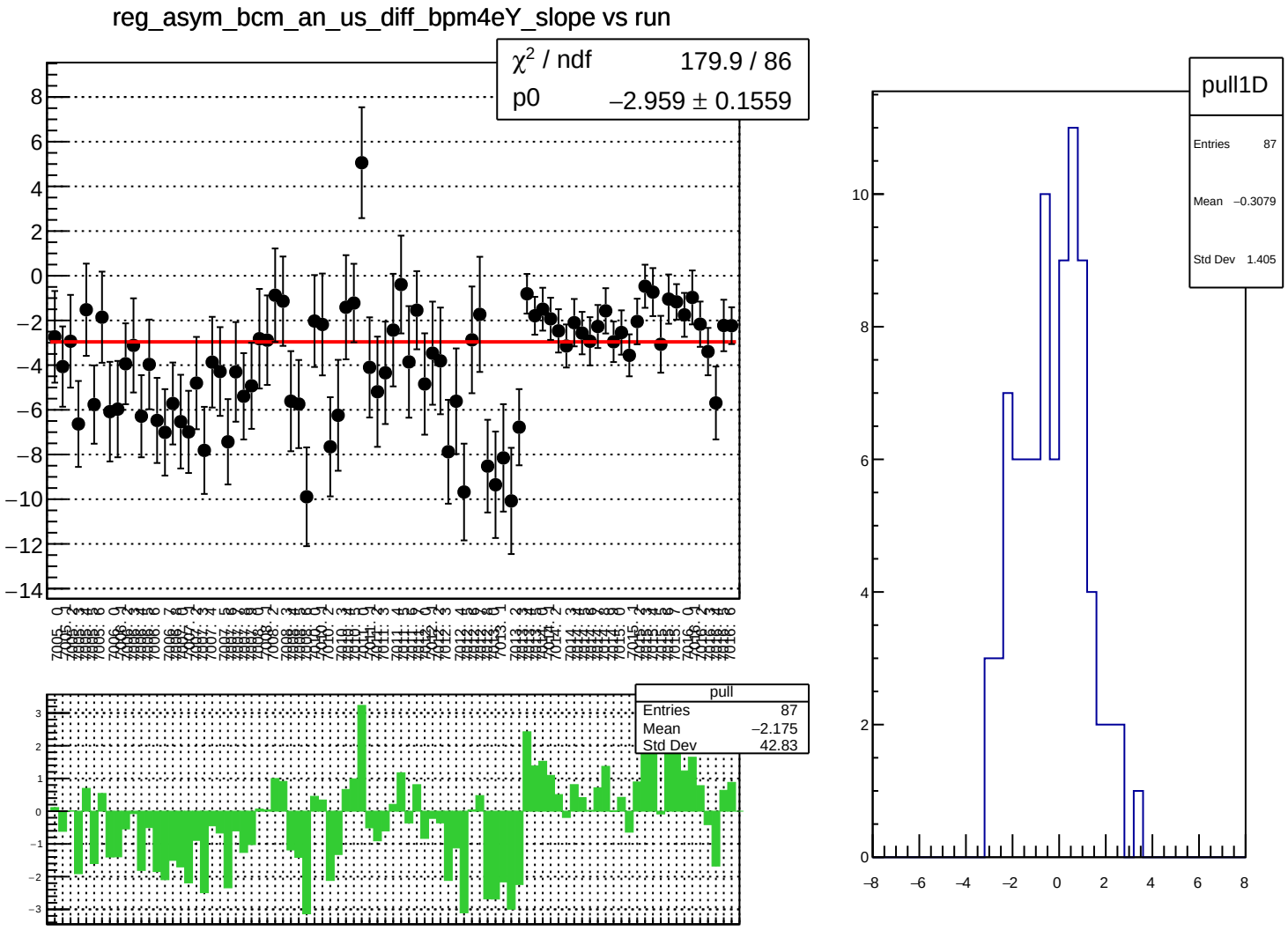

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 443.4 / 86
p0 0.08183 ± 0.007236
pull
Entries 87
Mean −9.051
Std Dev 53.87

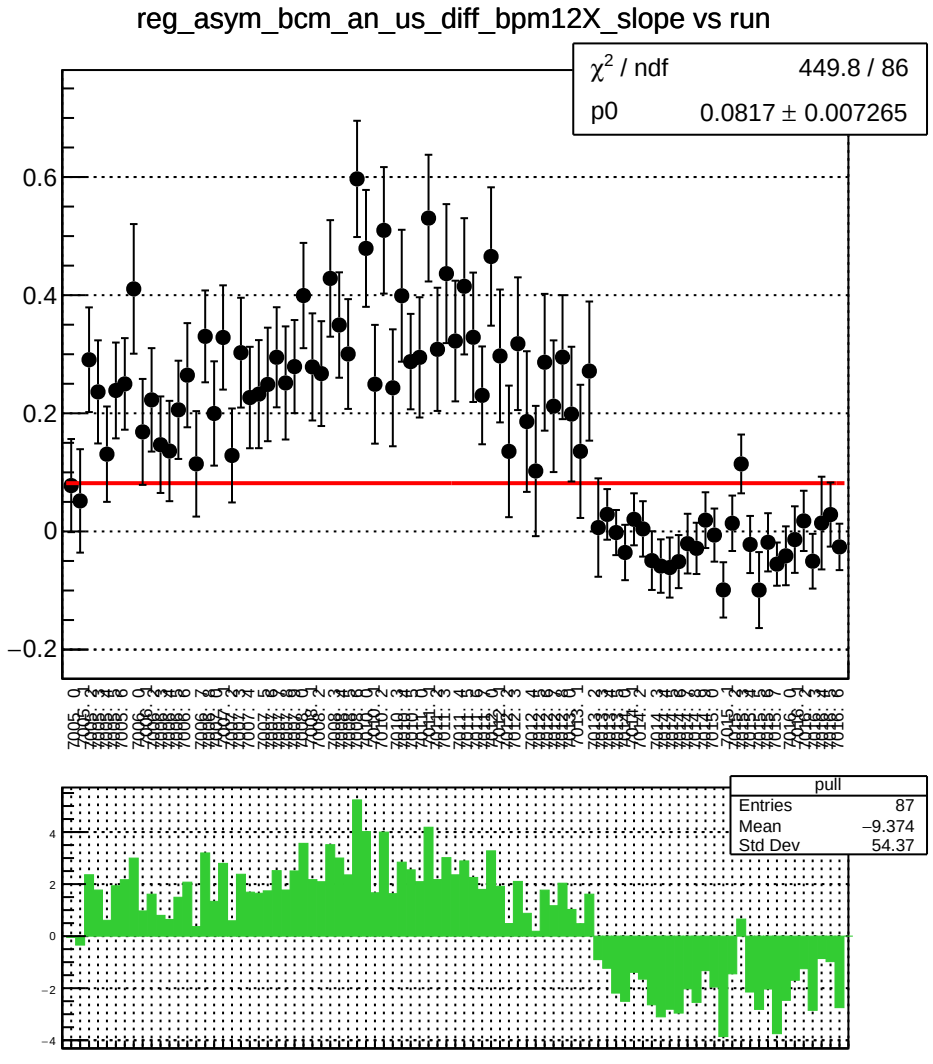

pull1D
Entries 87
Mean 0.6903
Std Dev 2.149

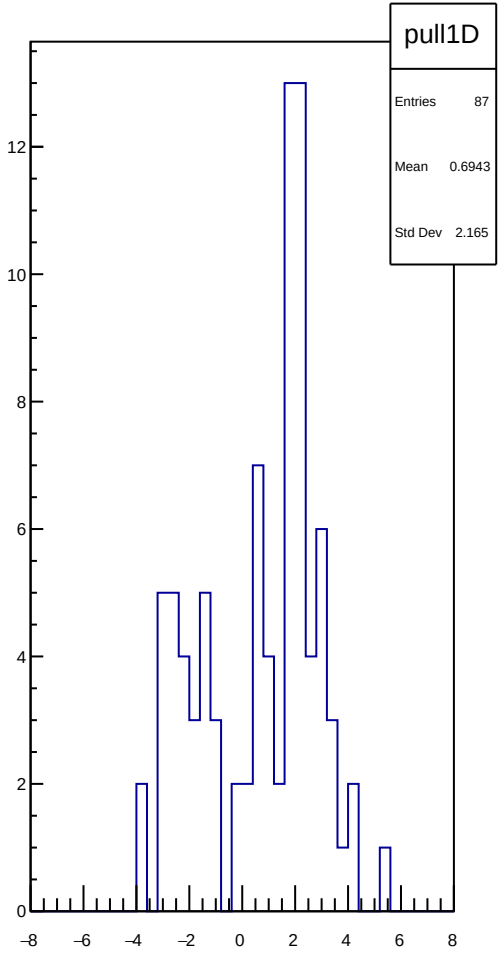

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 5915 / 86
p0 −22.99 ± 0.2168
pull
Entries 87
Mean −0.8404
Std Dev 44.42
pull1D
Entries 87
Mean −3.318
Std Dev 5.592

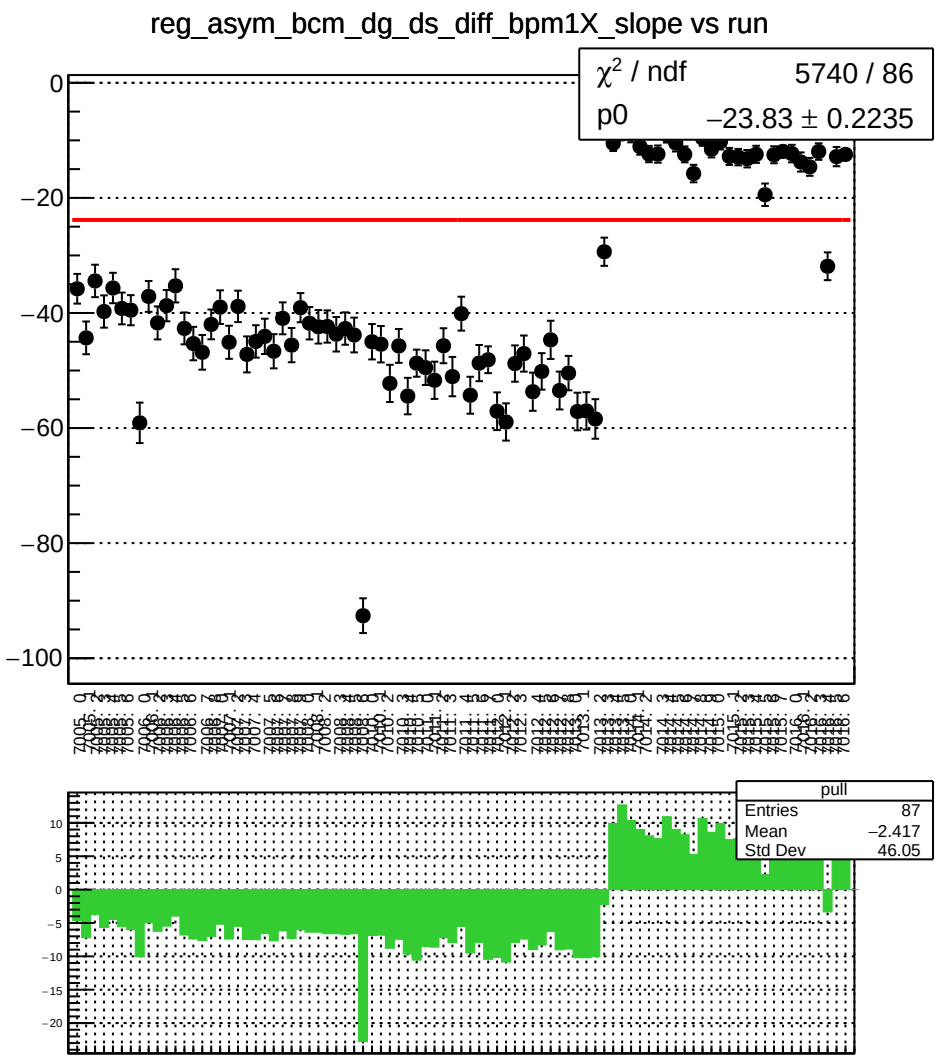

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 185.7 / 86
p0 2.043 ± 0.1467
pull
Entries 87
Mean 3.38
Std Dev 38.63
pull1D
Entries 87
Mean 0.3771
Std Dev 1.412

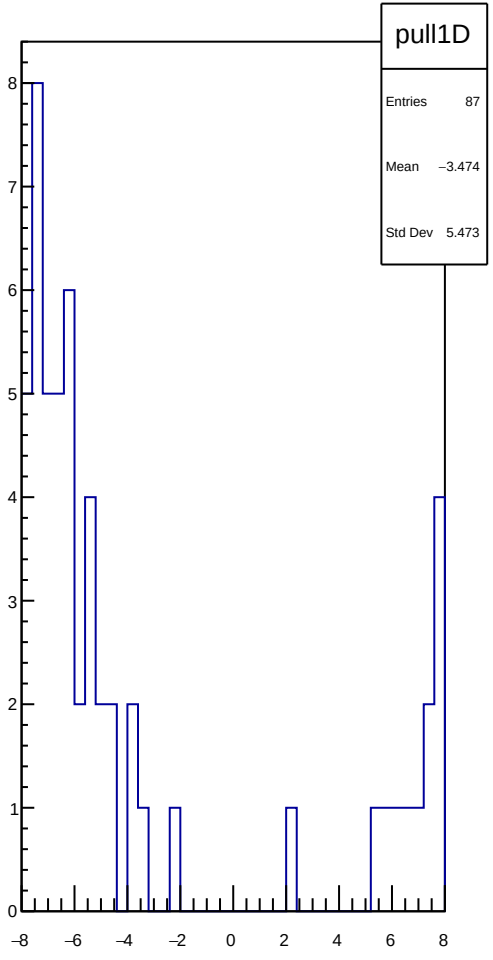

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 5527 / 86
p0 20.5 ± 0.2012
pull
Entries 87
Mean −0.8538
Std Dev 44.45
pull1D
Entries 87
Mean 3.042
Std Dev 5.652

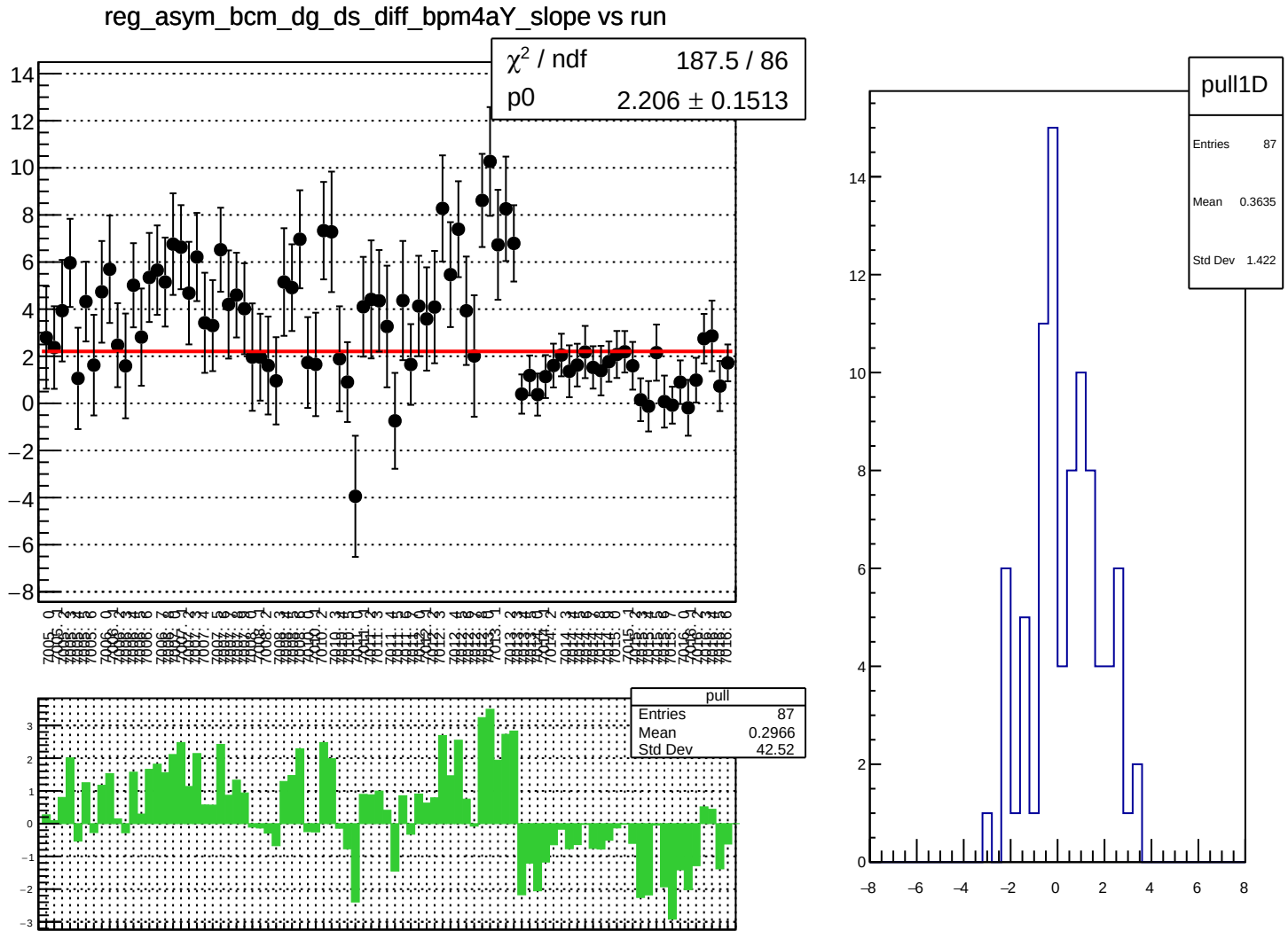

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 179.9 / 86
p0 −2.959 ± 0.1559
pull
Entries 87
Mean −2.175
Std Dev 42.83
pull1D
Entries 87
Mean −0.3079
Std Dev 1.405

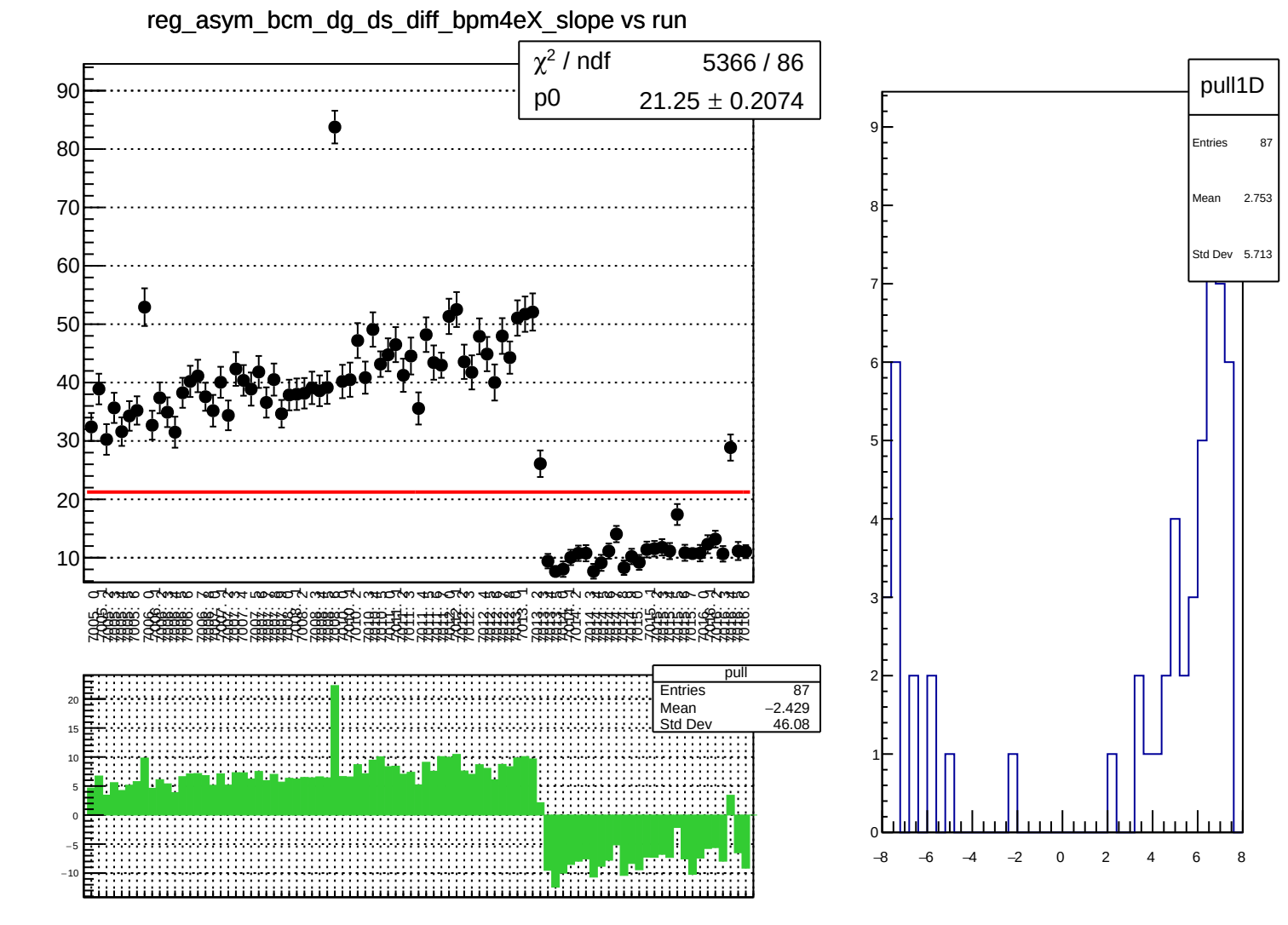

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 449.8 / 86
p0 0.0817 ± 0.007265
pull
Entries 87
Mean −9.374
Std Dev 54.37

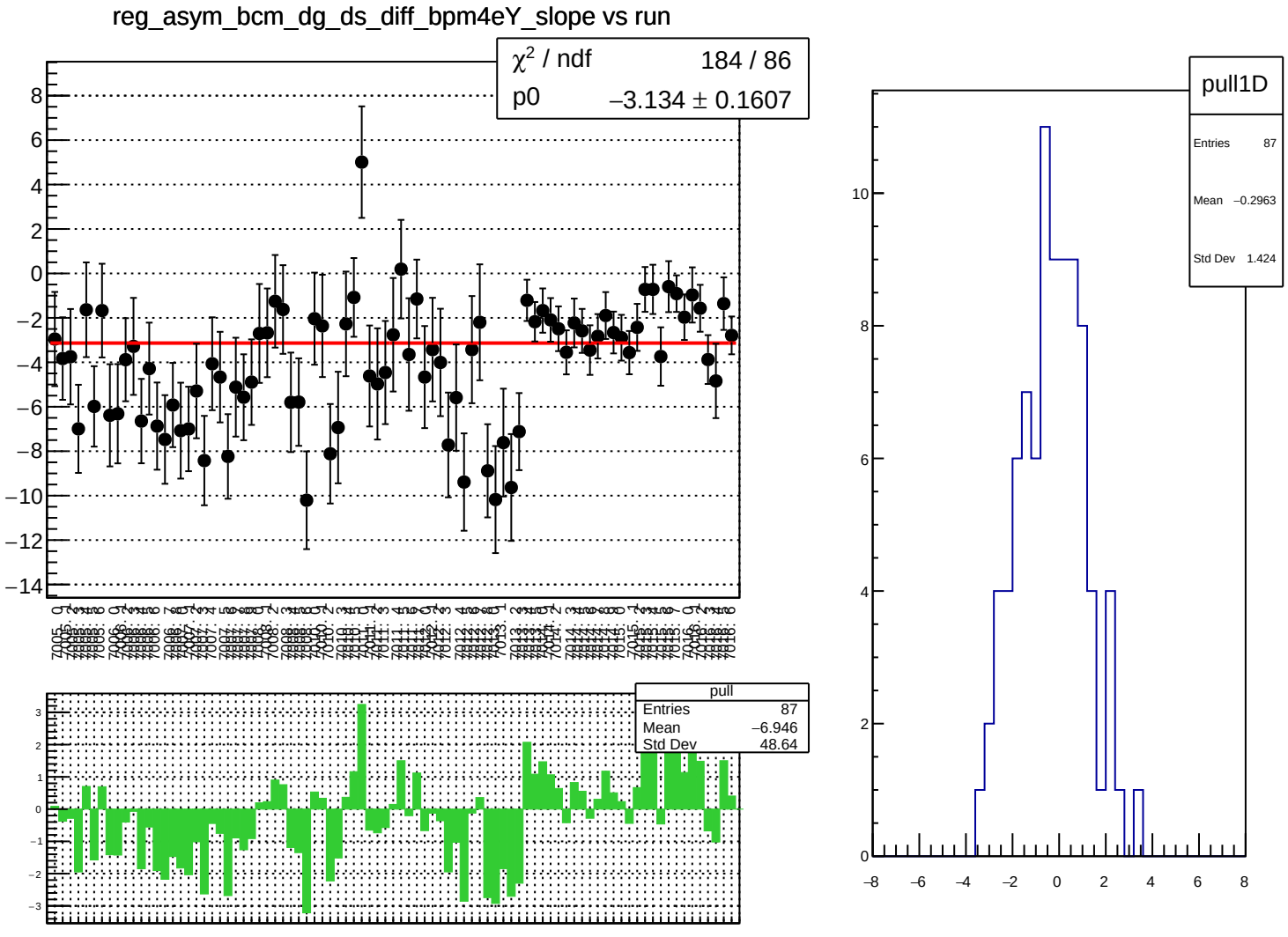

pull1D
Entries 87
Mean 0.6943
Std Dev 2.165

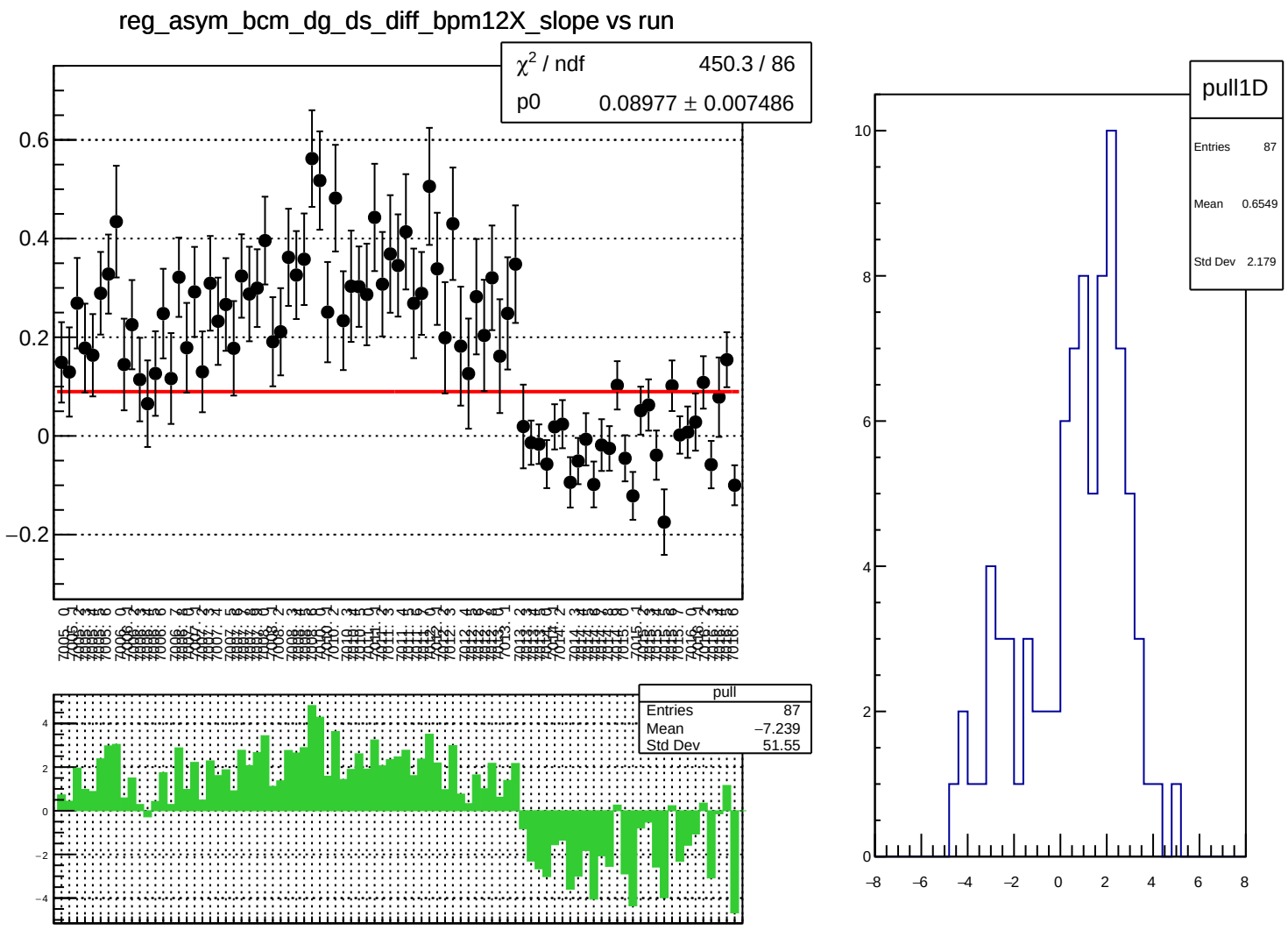

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 5740 / 86
p0 −23.83 ± 0.2235
pull
Entries 87
Mean −2.417
Std Dev 46.05

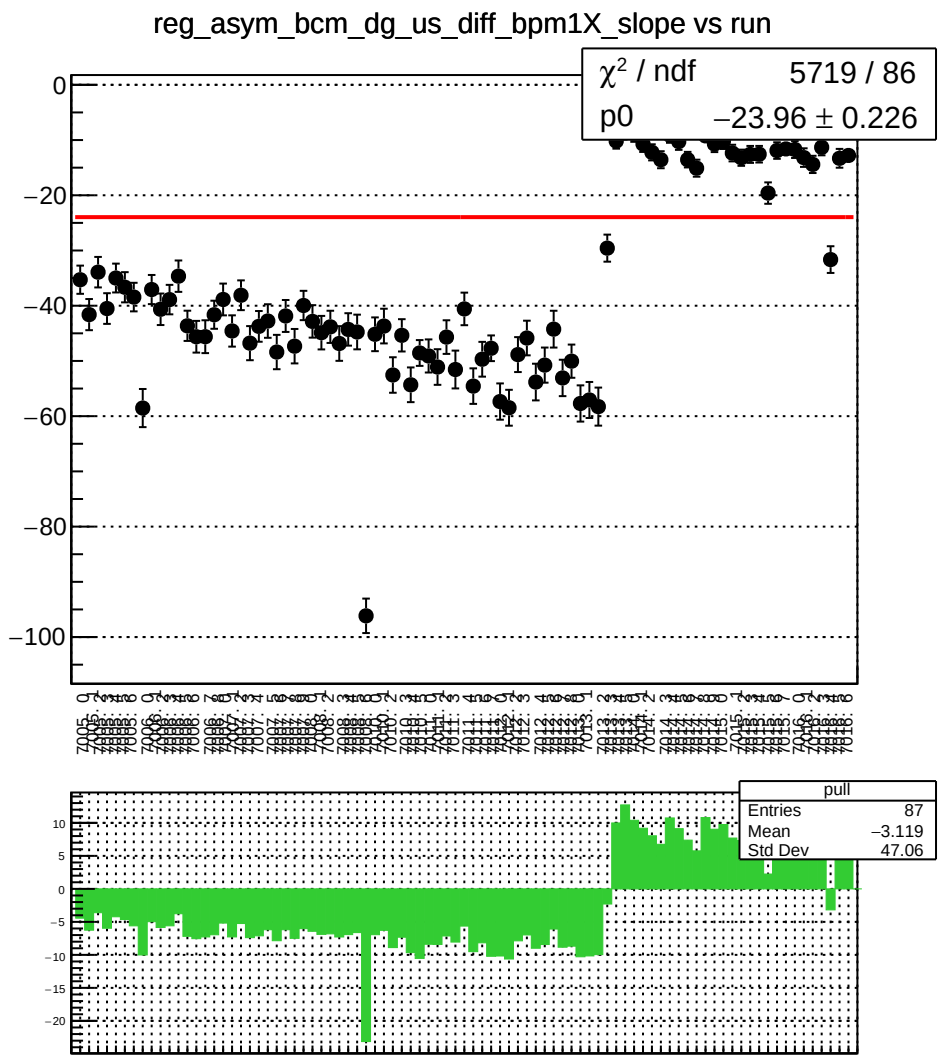

pull1D
Entries 87
Mean −3.474
Std Dev 5.473

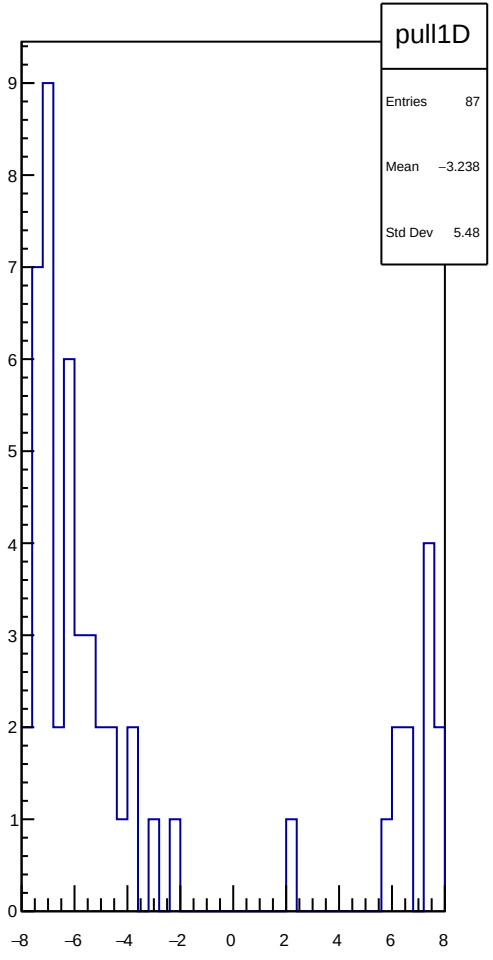

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 187.5 / 86
p0 2.206 ± 0.1513
pull
Entries 87
Mean 0.2966
Std Dev 42.52
pull1D
Entries 87
Mean 0.3635
Std Dev 1.422

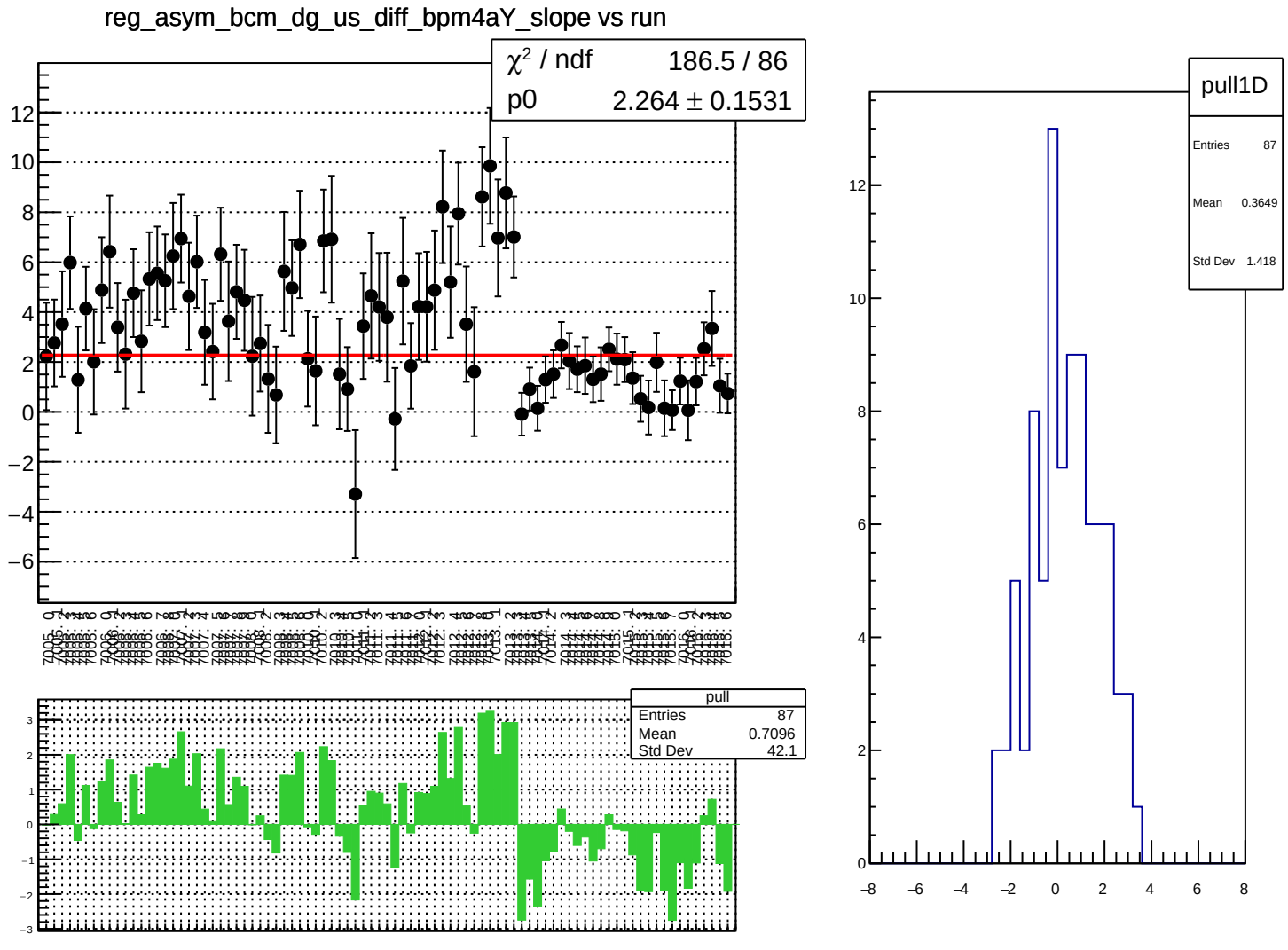

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 5366 / 86
p0 21.25 ± 0.2074
pull
Entries 87
Mean −2.429
Std Dev 46.08
pull1D
Entries 87
Mean 2.753
Std Dev 5.713

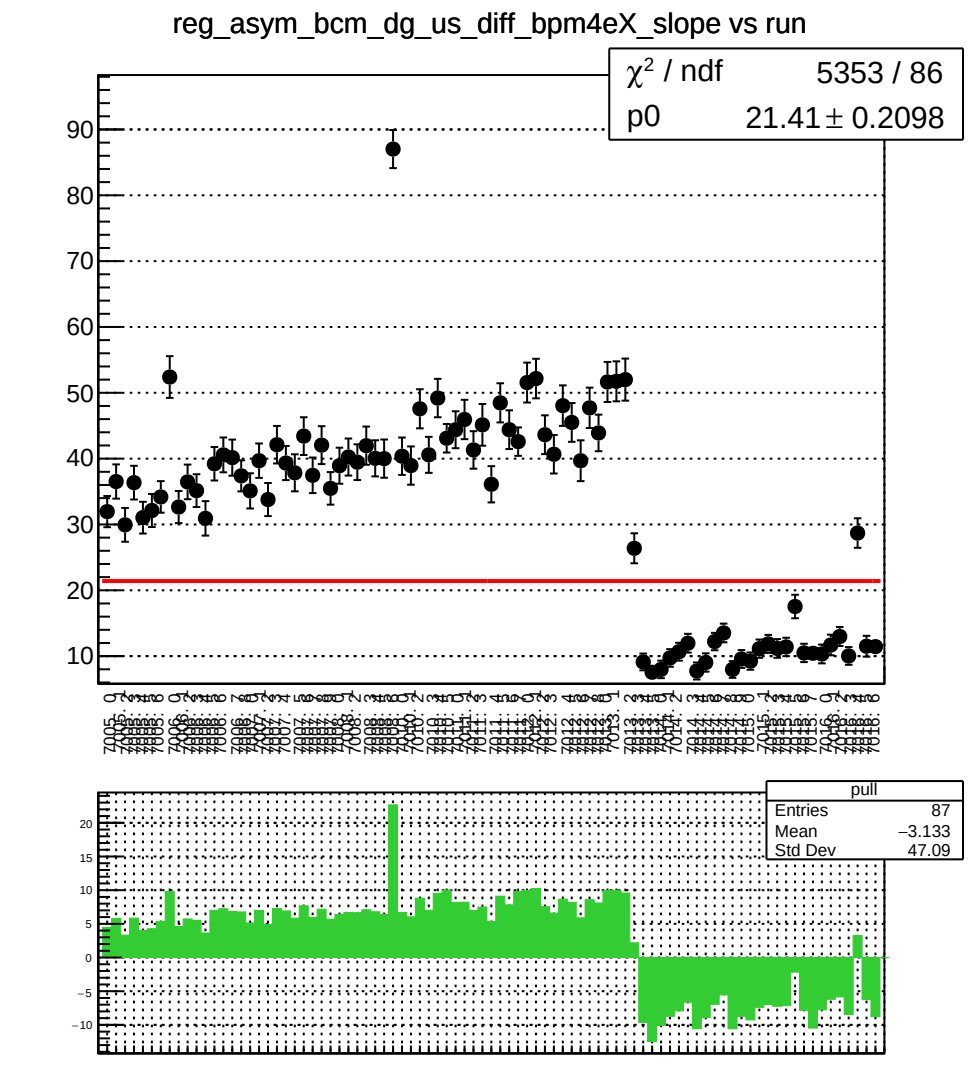

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 184 / 86
p0 −3.134 ± 0.1607
pull
Entries 87
Mean −6.946
Std Dev 48.64
pull1D
Entries 87
Mean −0.2963
Std Dev 1.424

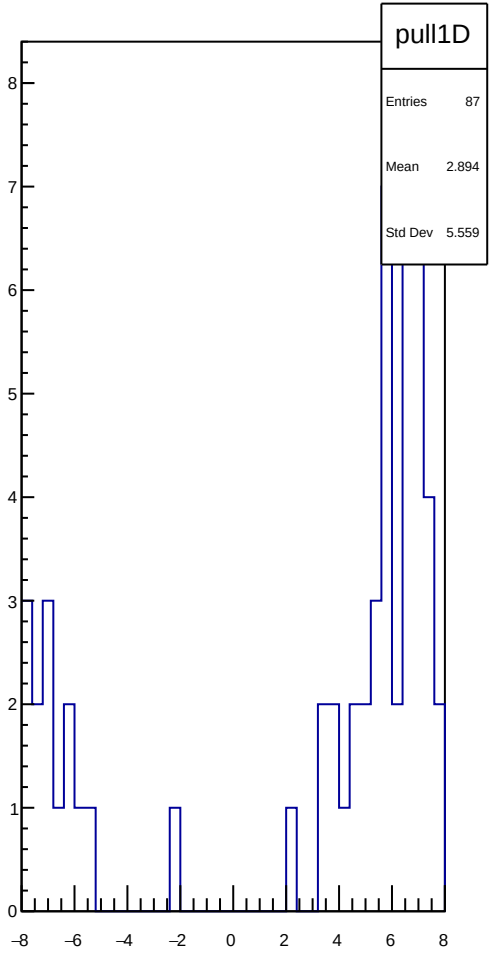

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 450.3 / 86
p0 0.08977 ± 0.007486
0.6
0.4
0.2
0
−0.2
pull
Entries 87
Mean −7.239
Std Dev 51.55
4
2
0
−2
−4
pull1D
Entries 87
Mean 0.6549
Std Dev 2.179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

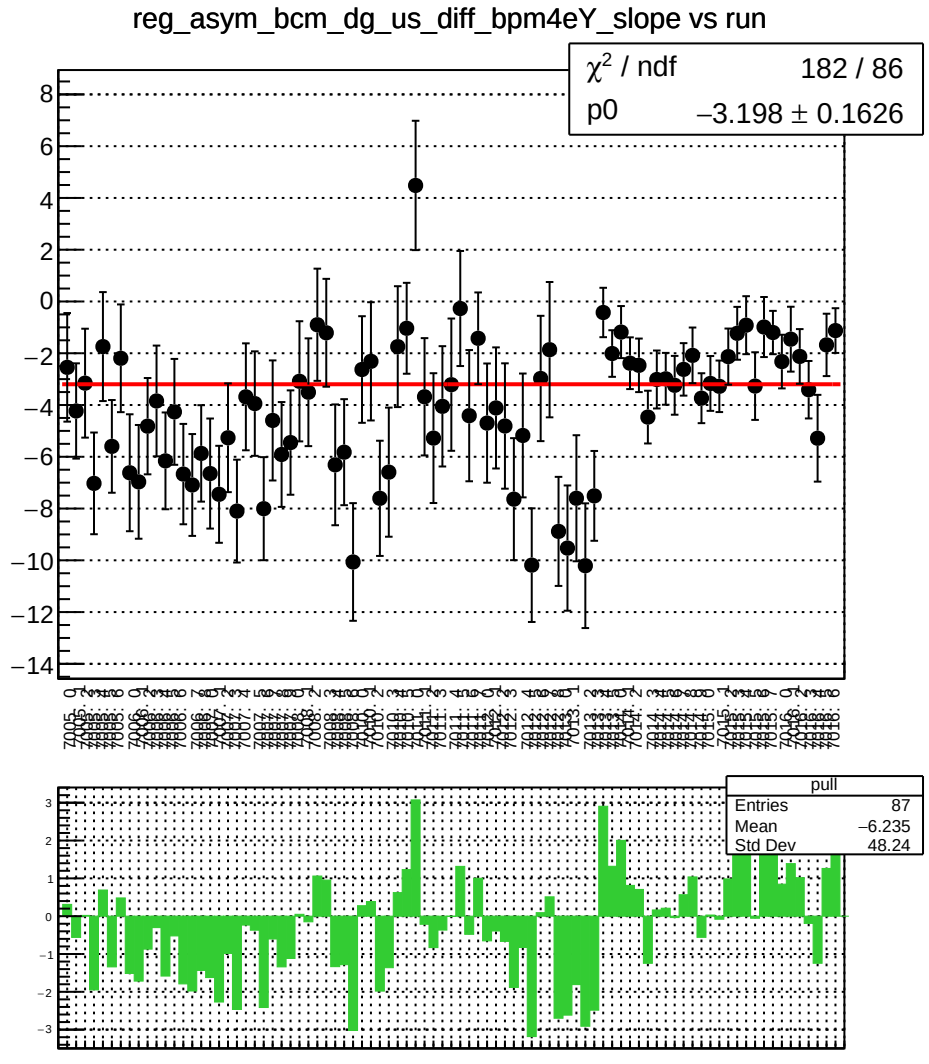

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 5719 / 86
p0 −23.96 ± 0.226
pull
Entries 87
Mean −3.119
Std Dev 47.06

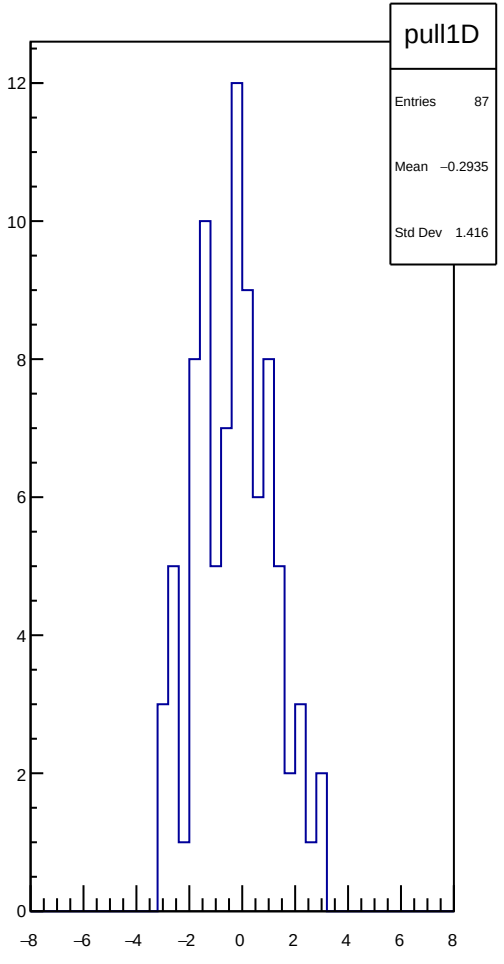

pull1D
Entries 87
Mean −3.238
Std Dev 5.48

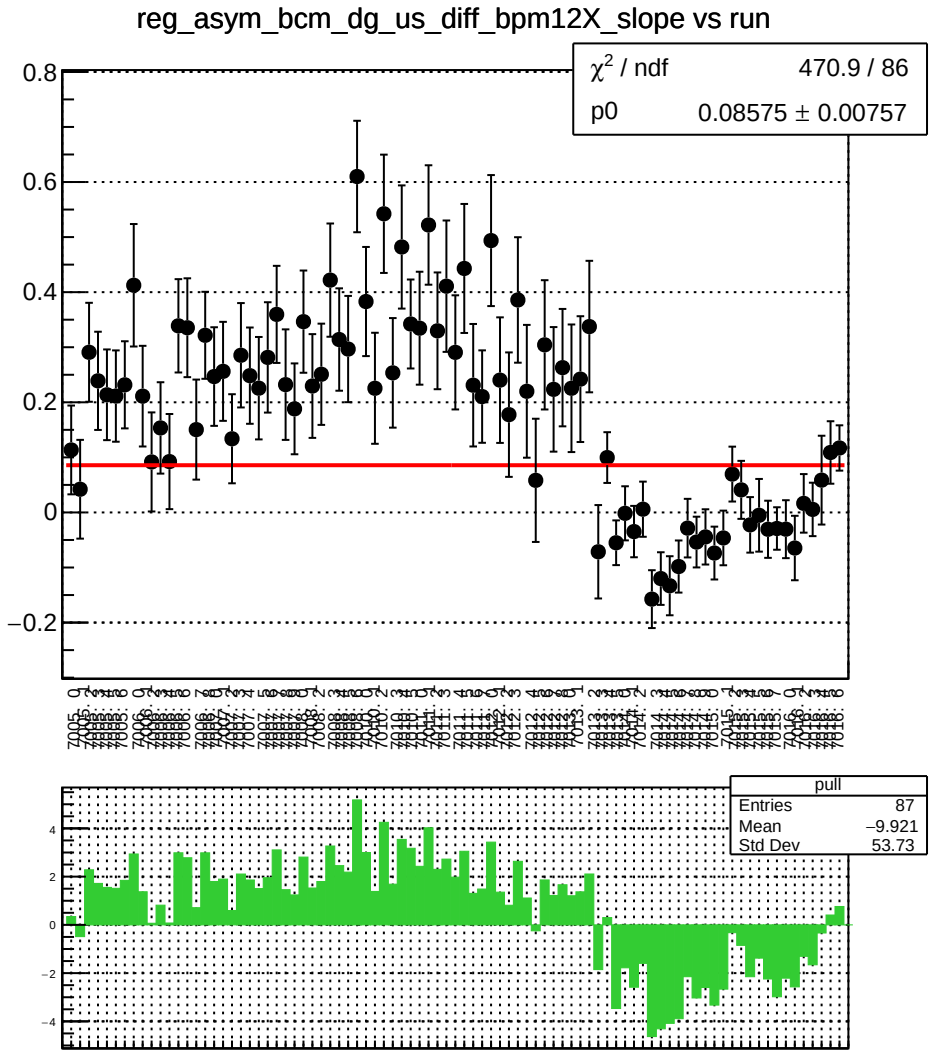

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 186.5 / 86
p0 2.264 ± 0.1531
pull
Entries 87
Mean 0.7096
Std Dev 42.1
pull1D
Entries 87
Mean 0.3649
Std Dev 1.418

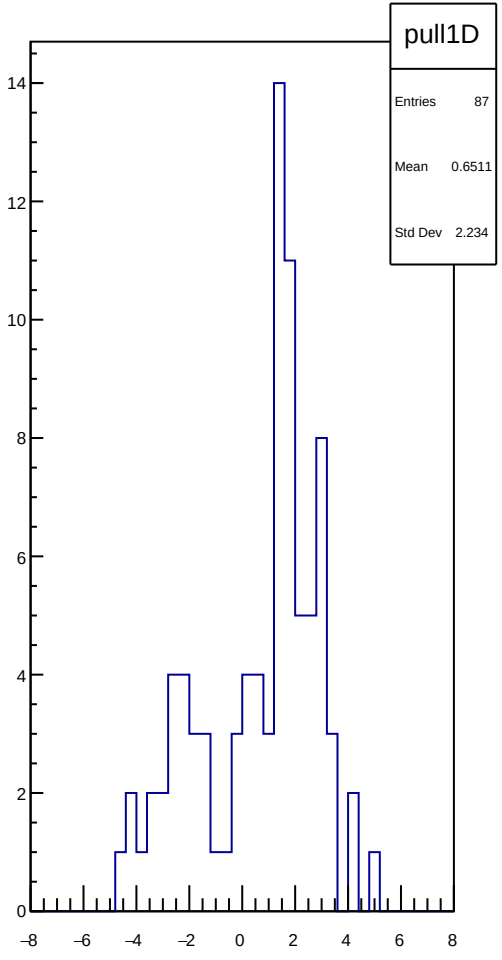

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 5353 / 86
p0 21.41 ± 0.2098
pull
Entries 87
Mean −3.133
Std Dev 47.09


pull1D
Entries 87
Mean 2.894
Std Dev 5.559


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 182 / 86
p0 −3.198 ± 0.1626
pull
Entries 87
Mean −6.235
Std Dev 48.24


pull1D
Entries 87
Mean −0.2935
Std Dev 1.416


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 470.9 / 86
p0 0.08575 ± 0.00757
pull
Entries 87
Mean −9.921
Std Dev 53.73


pull1D
Entries 87
Mean 0.6511
Std Dev 2.234