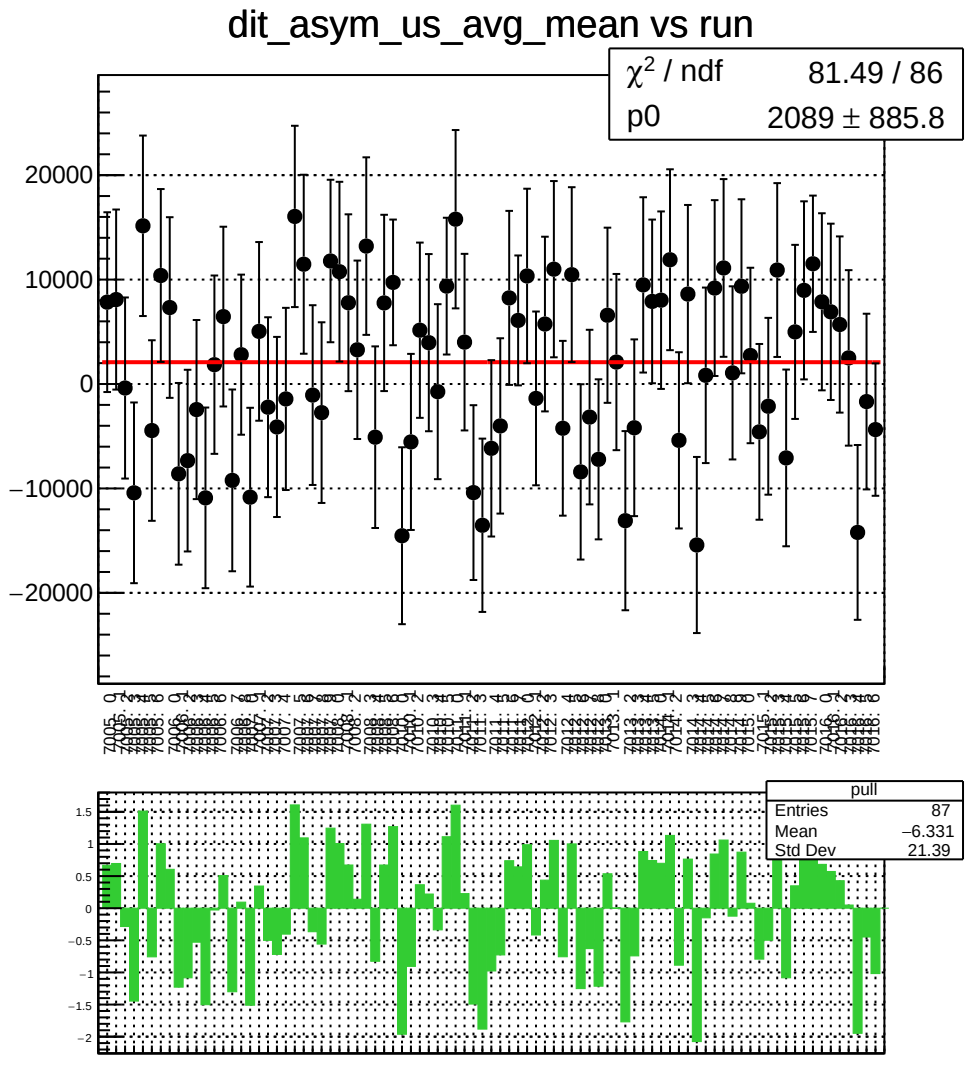
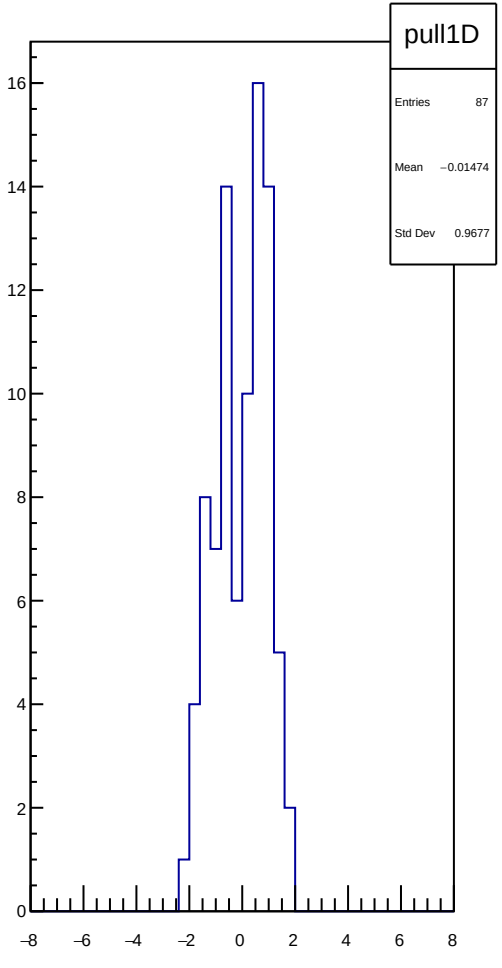
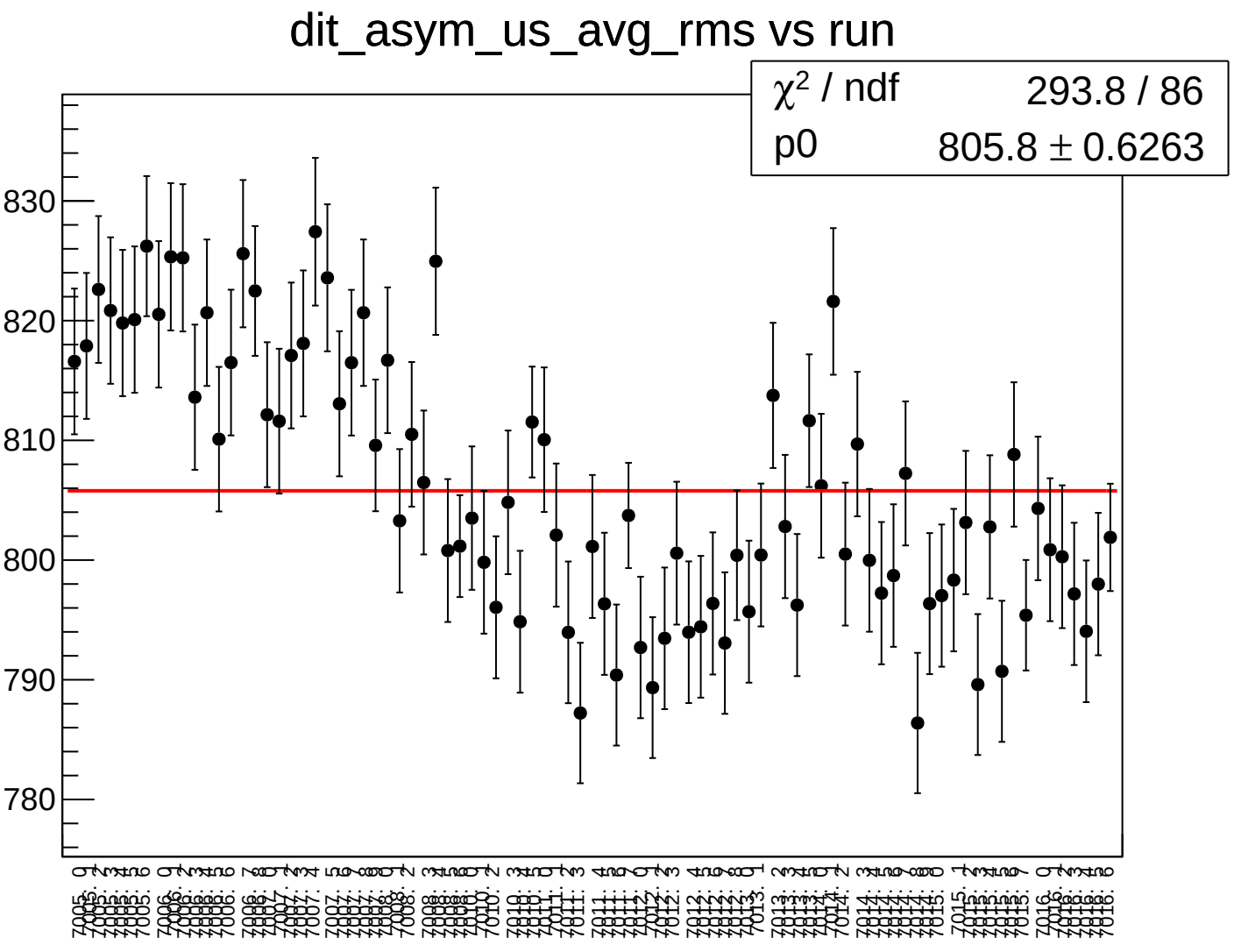
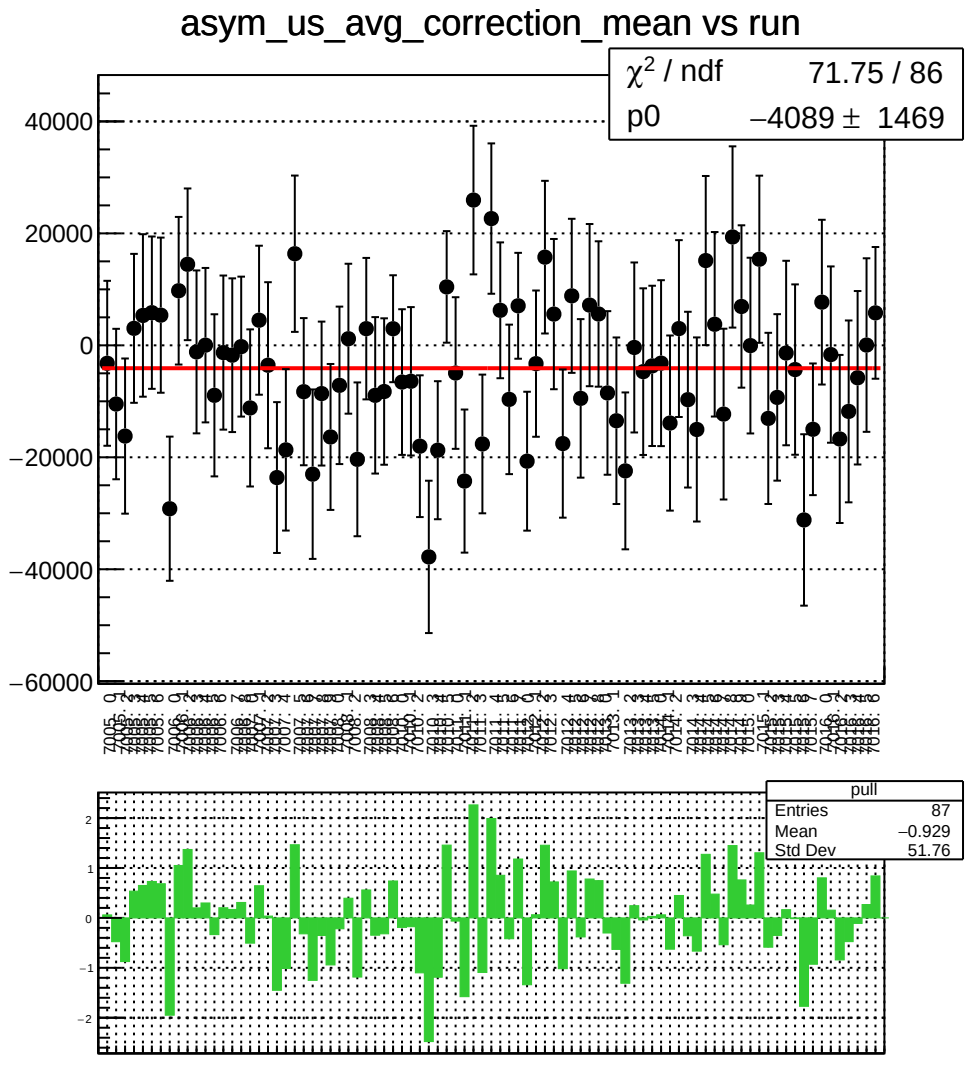
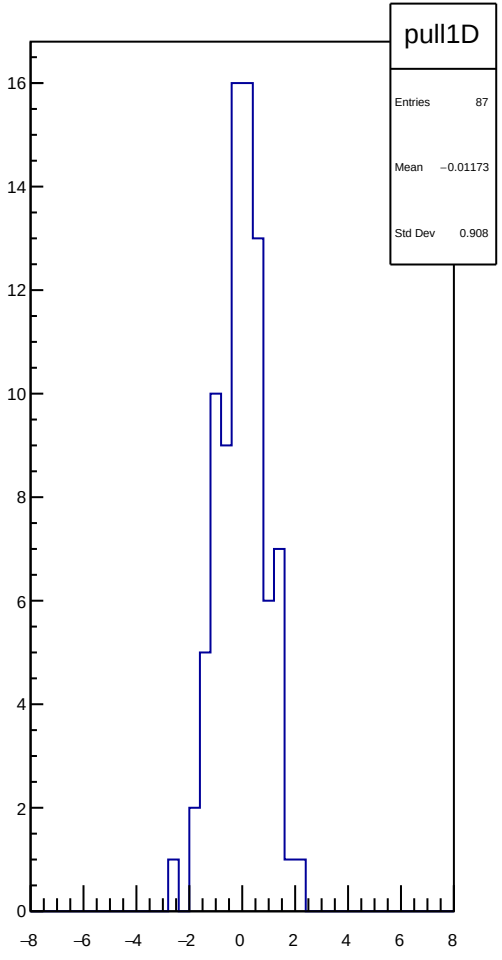
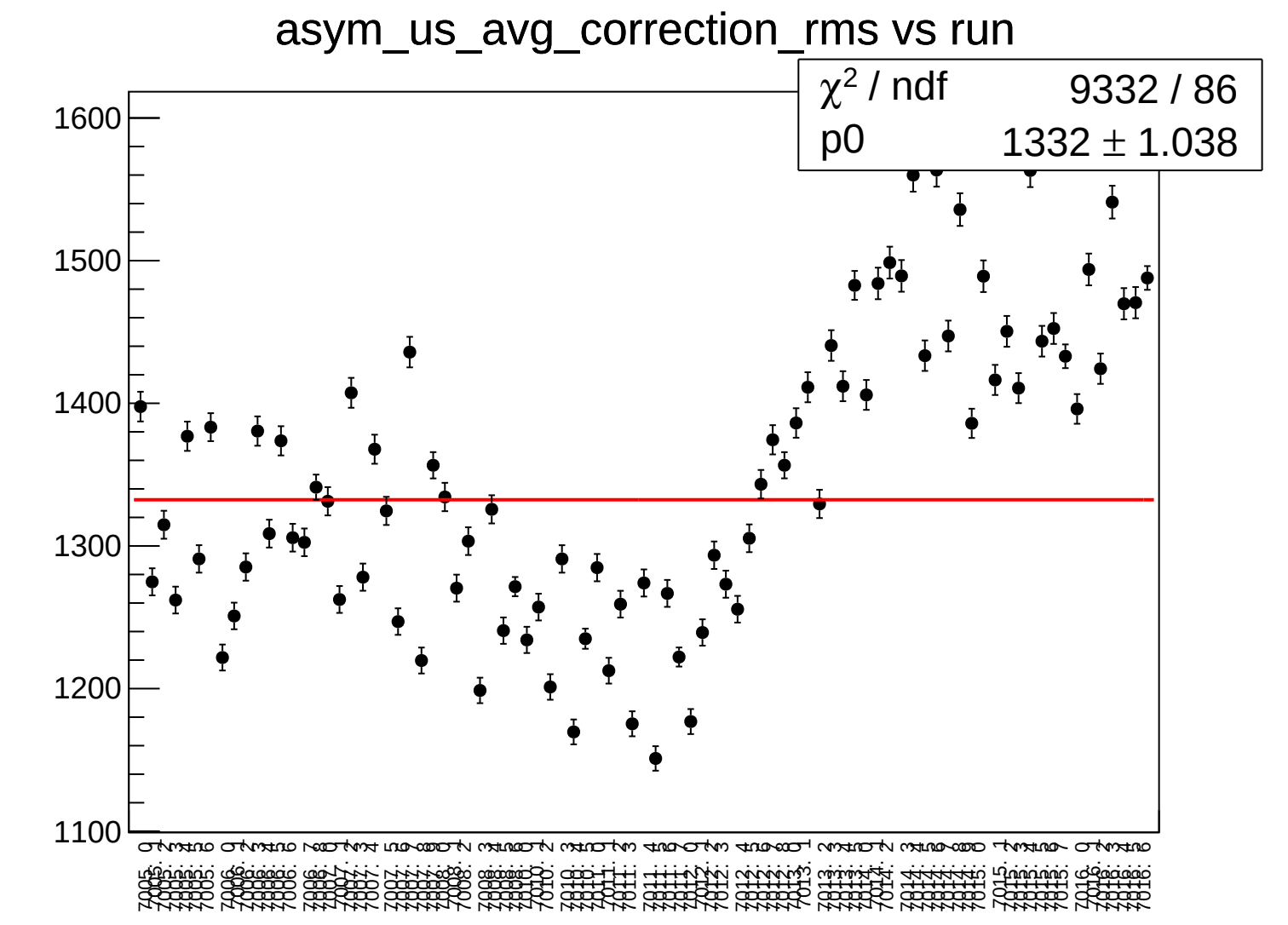

dit_asym_us_avg_mean vs run
χ² / ndf 81.49 / 86
p0 2089 ± 885.8
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −6.331
Std Dev 21.39
1.5
1
0.5
0
−0.5
−1
−1.5
−2

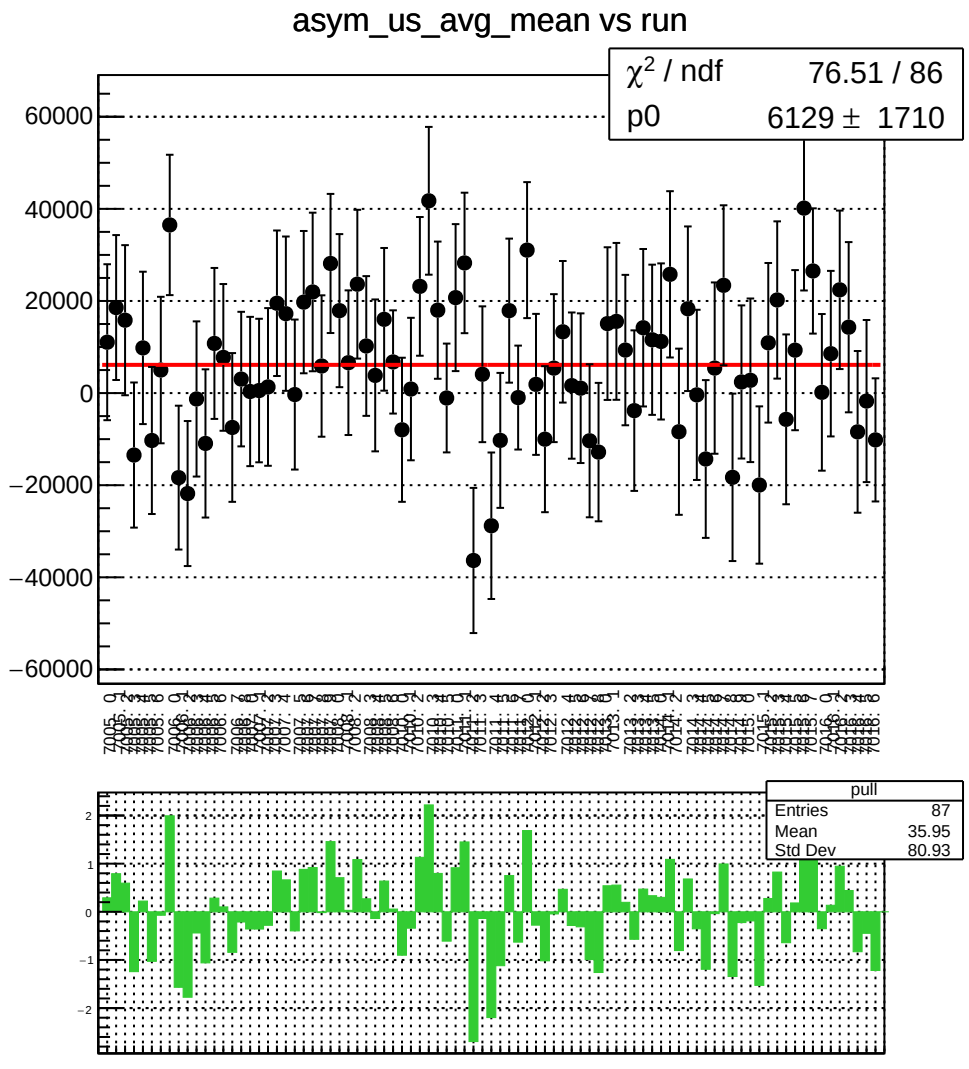

pull1D
Entries 87
Mean −0.01474
Std Dev 0.9677
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

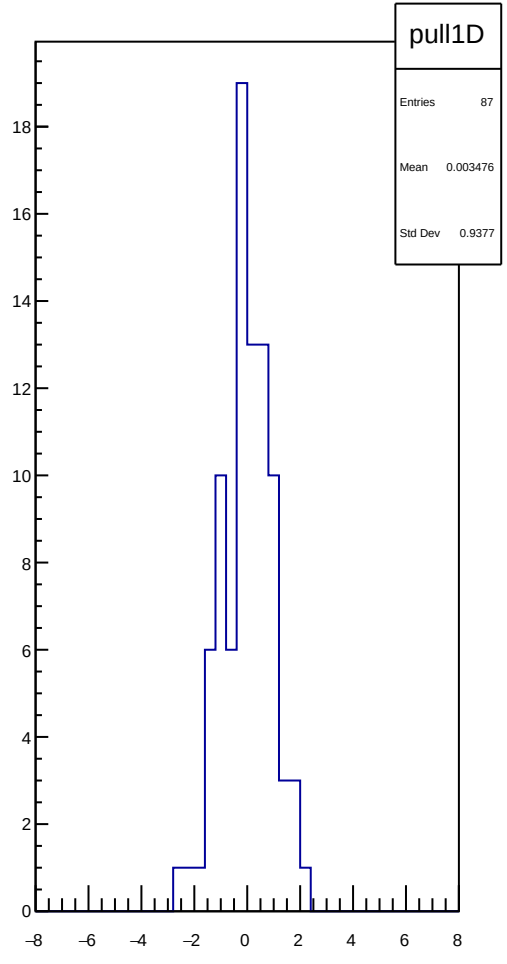

dit_asym_us_avg_rms vs run
χ² / ndf 293.8 / 86
p0 805.8 ± 0.6263
830
820
810
800
790
780

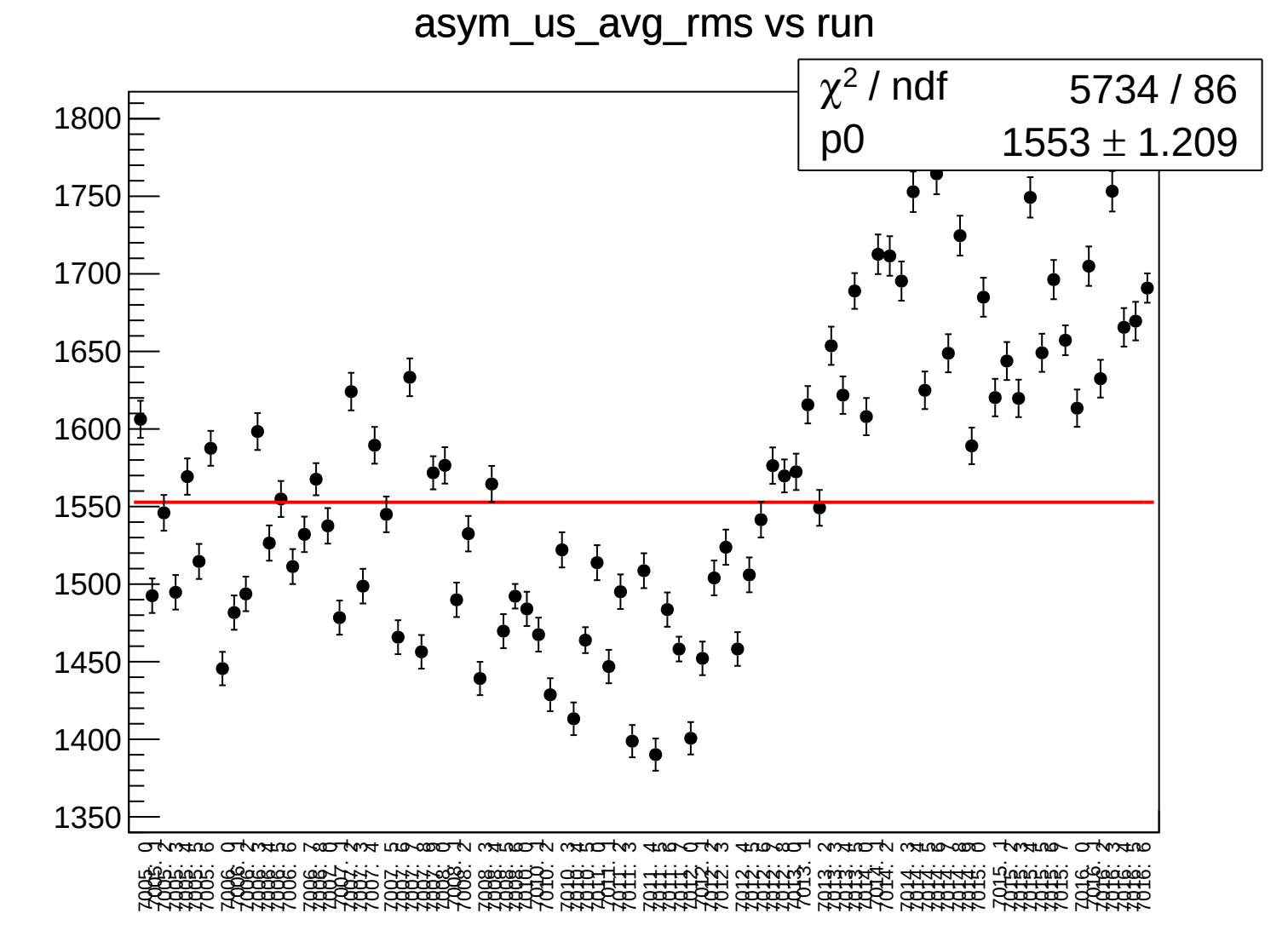

asym_us_avg_correction_mean vs run
χ² / ndf 71.75 / 86
p0 −4089 ± 1469
pull
Entries 87
Mean −0.929
Std Dev 51.76

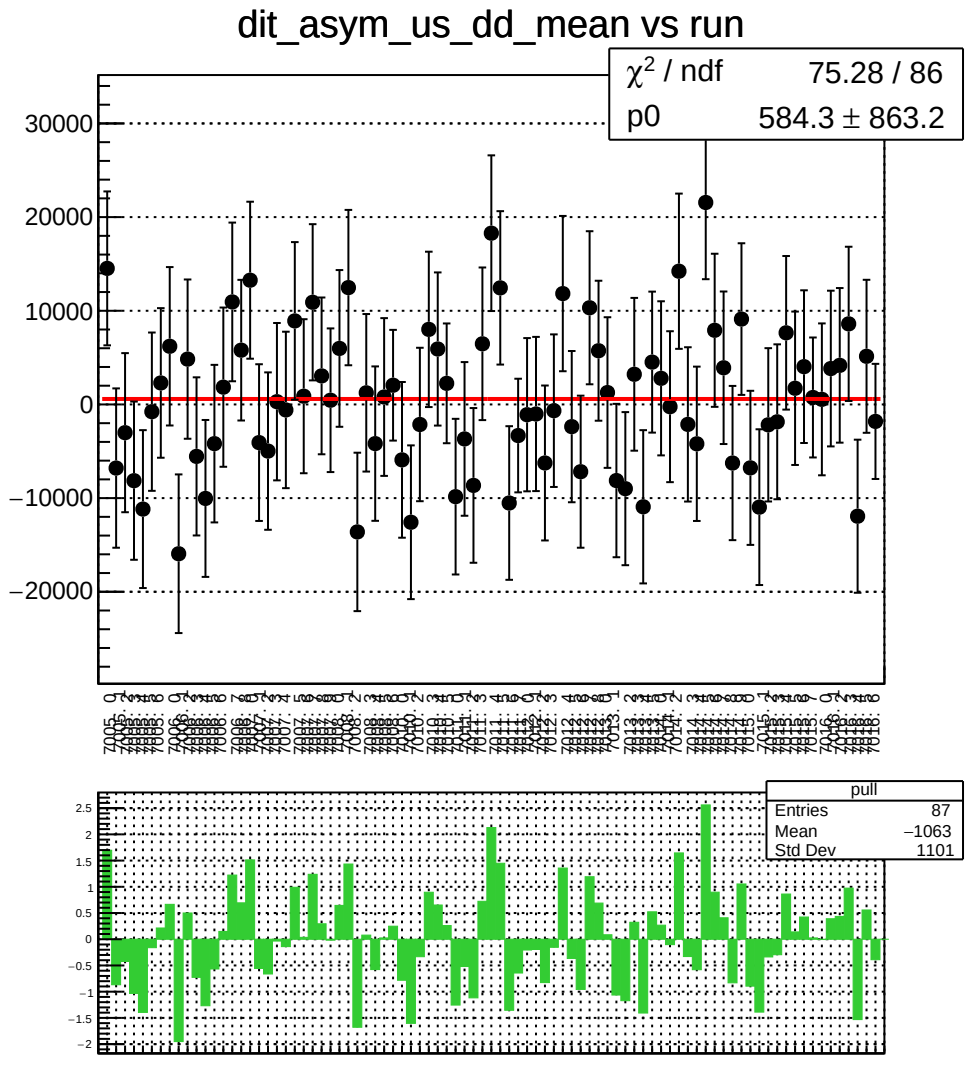

pull1D
Entries 87
Mean −0.01173
Std Dev 0.908

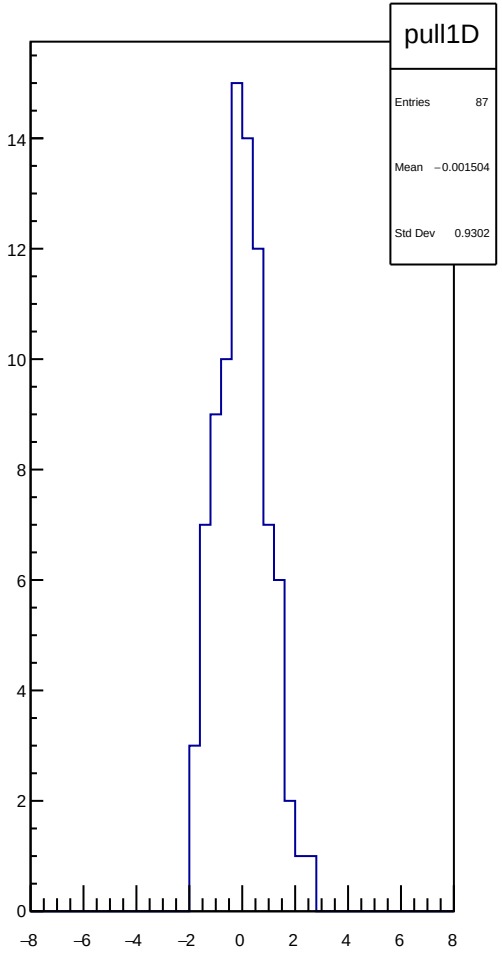

asym_us_avg_correction_rms vs run
χ² / ndf 9332 / 86
p0 1332 ± 1.038
1600
1500
1400
1300
1200
1100

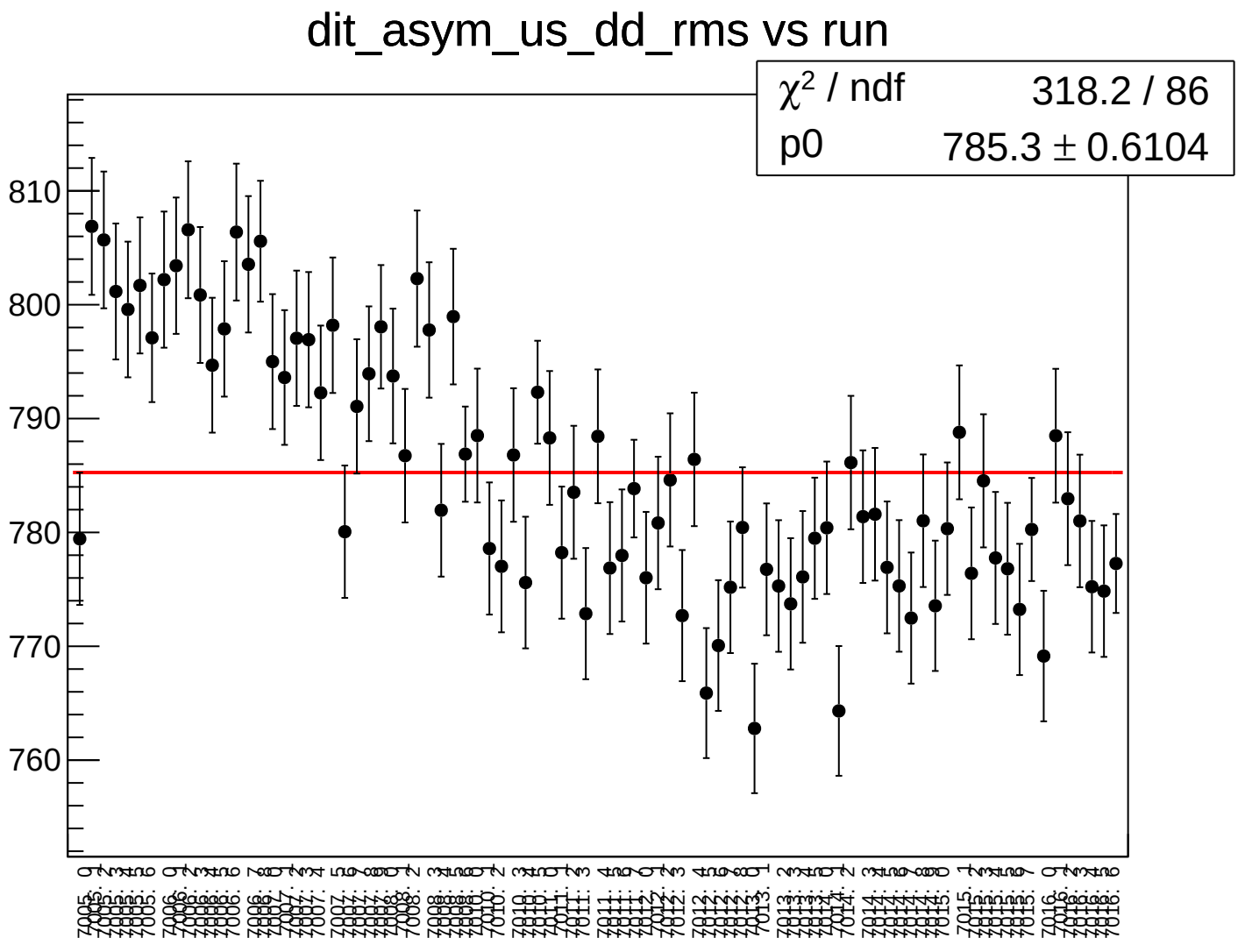

asym_us_avg_mean vs run
χ² / ndf 76.51 / 86
p0 6129 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 35.95
Std Dev 80.93
2
1
0
−1
−2

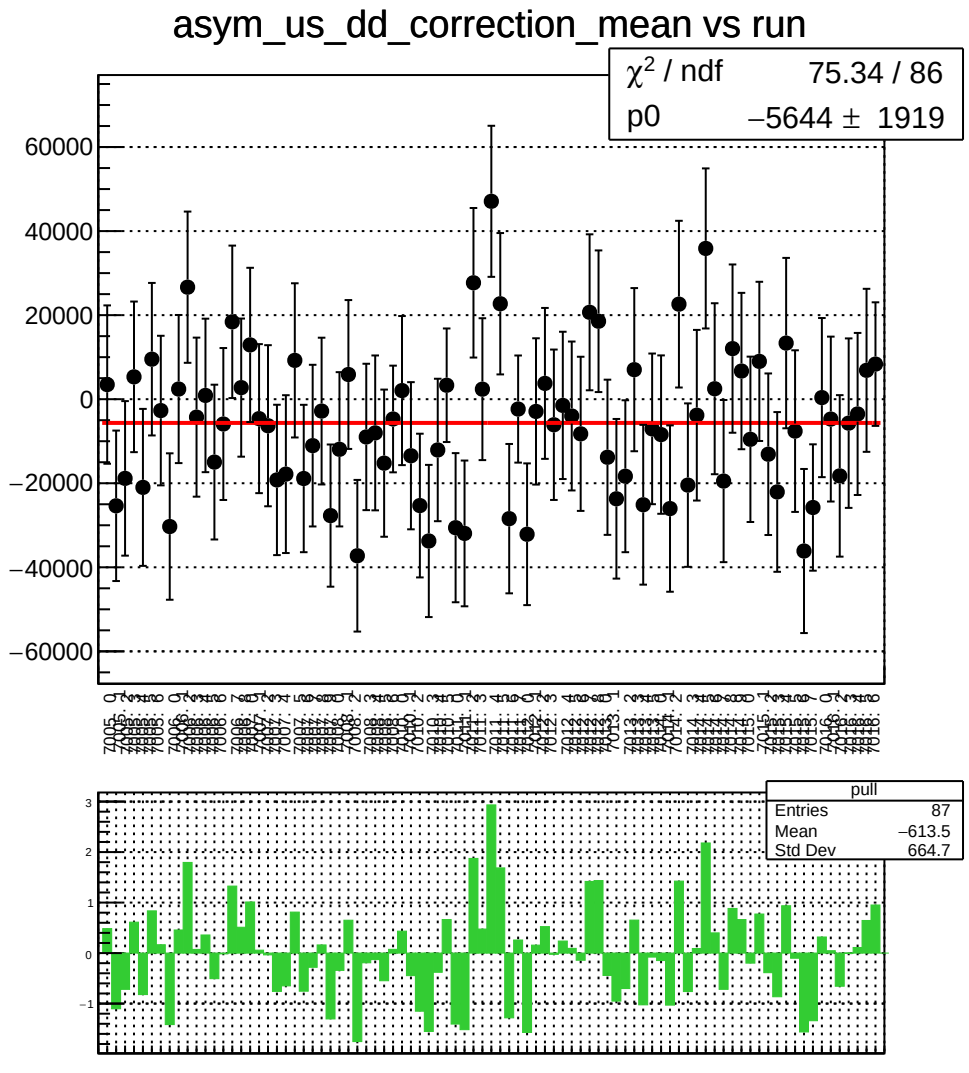

pull1D
Entries 87
Mean 0.003476
Std Dev 0.9377
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

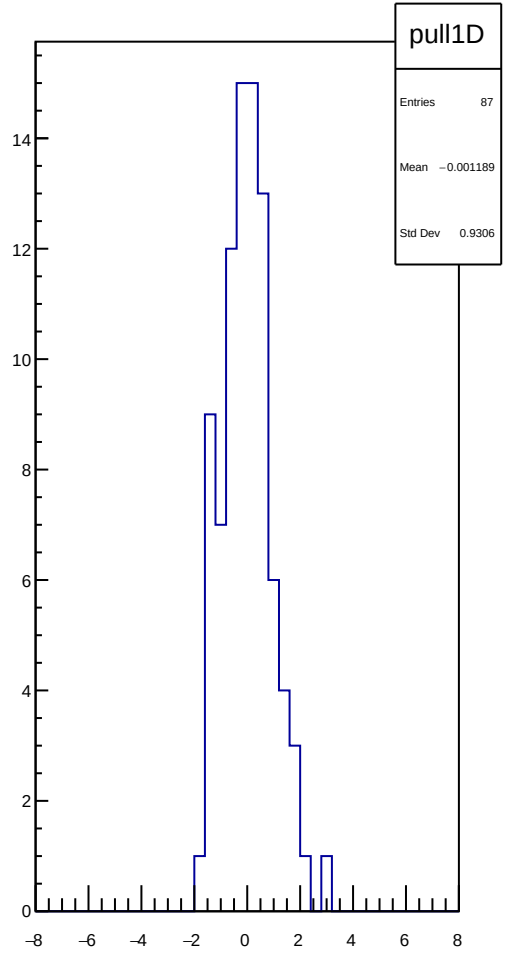

asym_us_avg_rms vs run
χ² / ndf 5734 / 86
p0 1553 ± 1.209
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

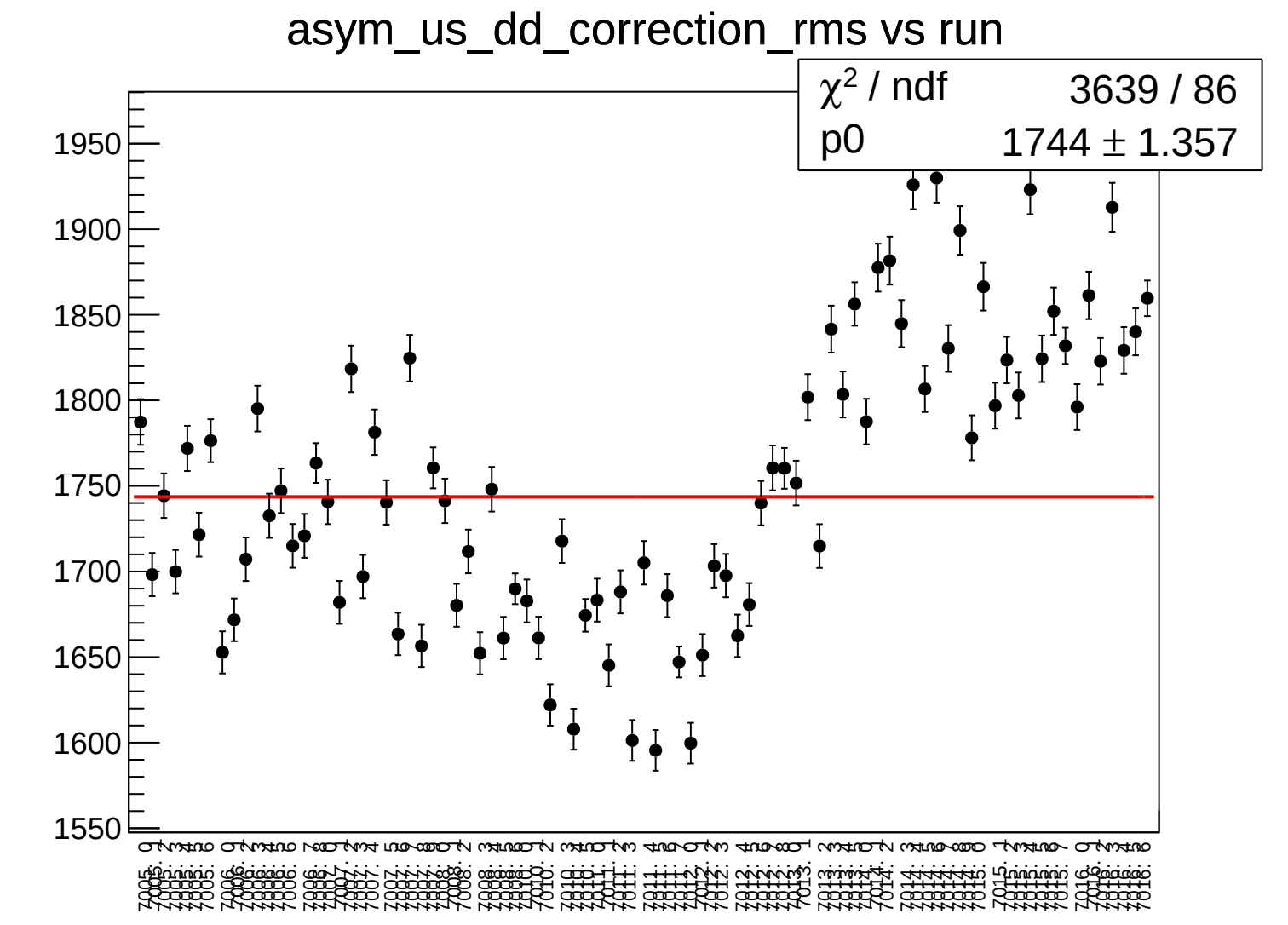

dit_asym_us_dd_mean vs run
χ² / ndf 75.28 / 86
p0 584.3 ± 863.2
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −1063
Std Dev 1101
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

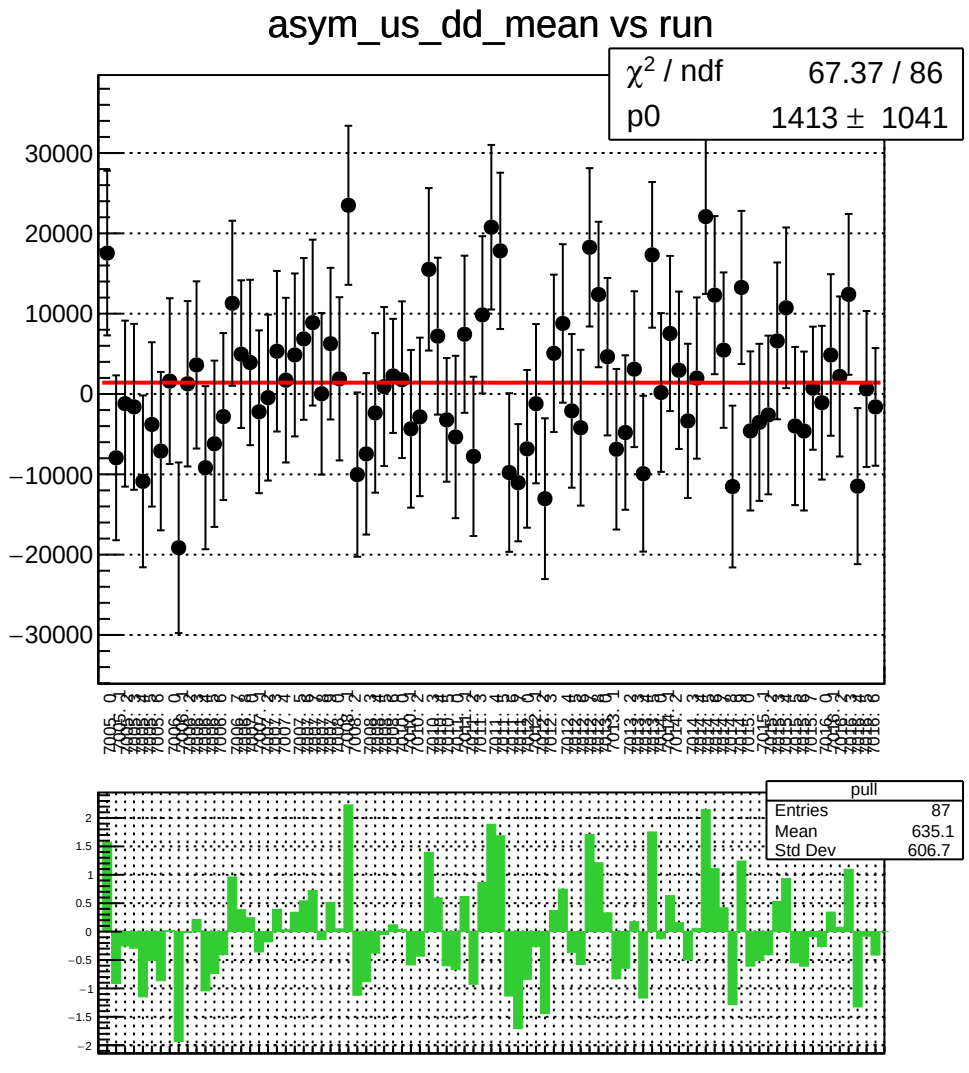

pull1D
Entries 87
Mean −0.001504
Std Dev 0.9302
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

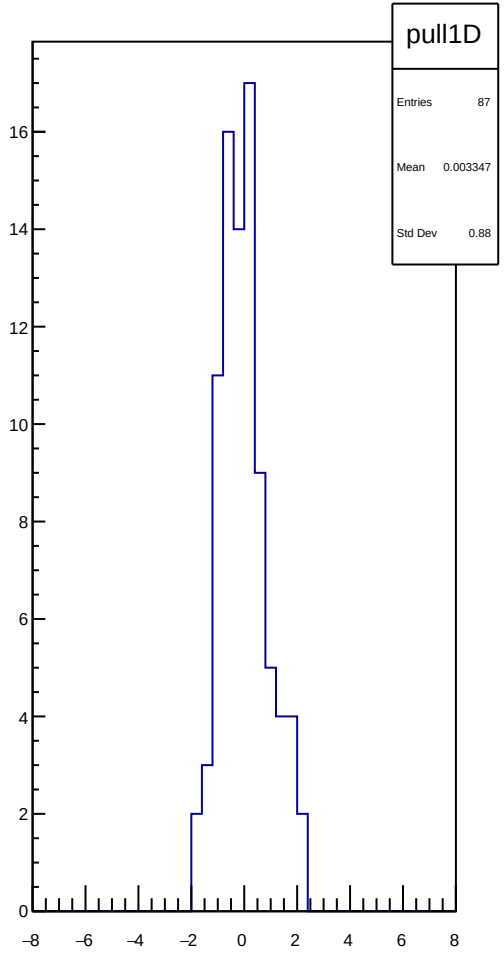

dit_asym_us_dd_rms vs run
χ² / ndf 318.2 / 86
p0 785.3 ± 0.6104
810
800
790
780
770
760

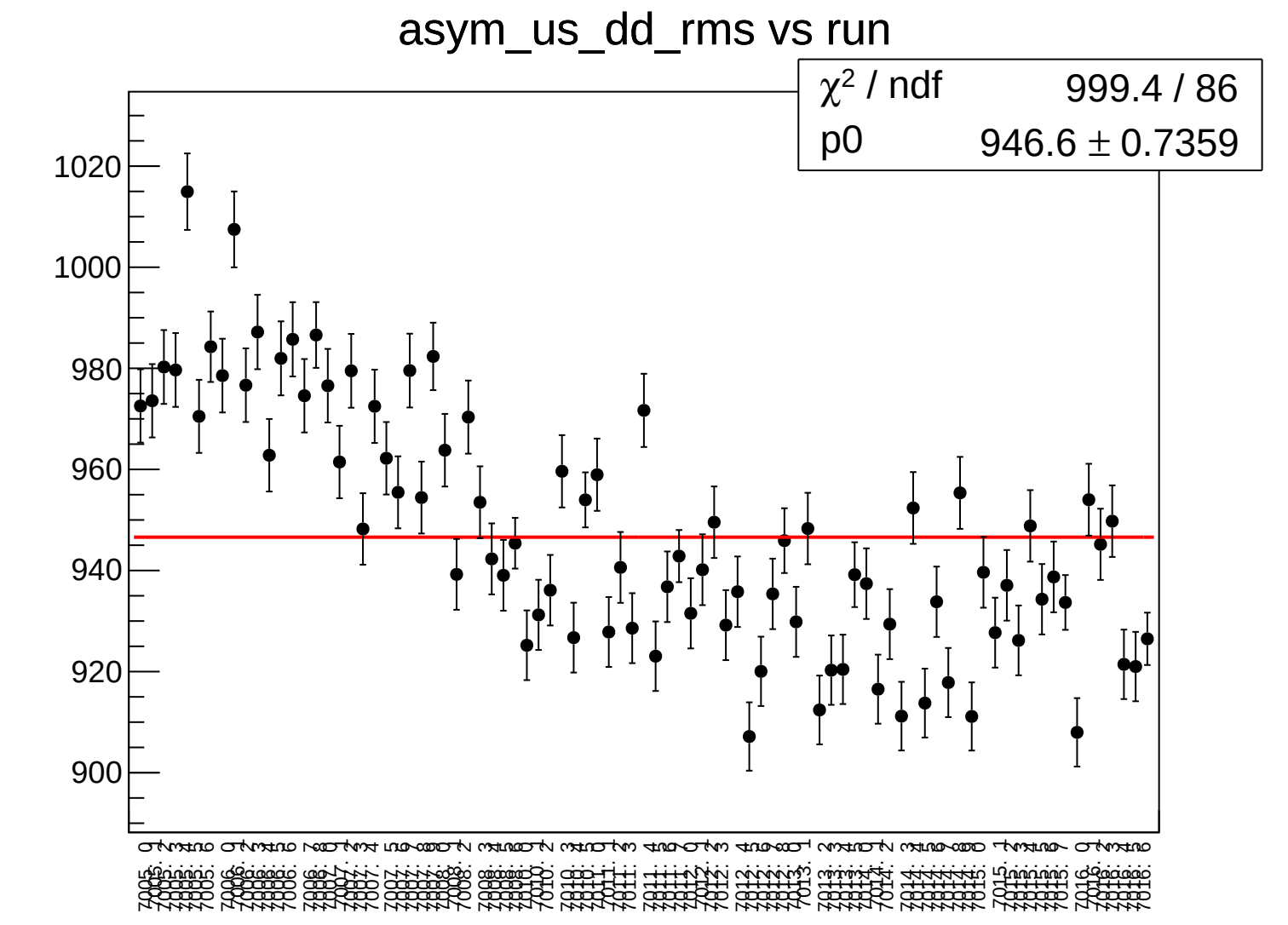

asym_us_dd_correction_mean vs run
χ² / ndf 75.34 / 86
p0 −5644 ± 1919
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −613.5
Std Dev 664.7
3
2
1
0
−1

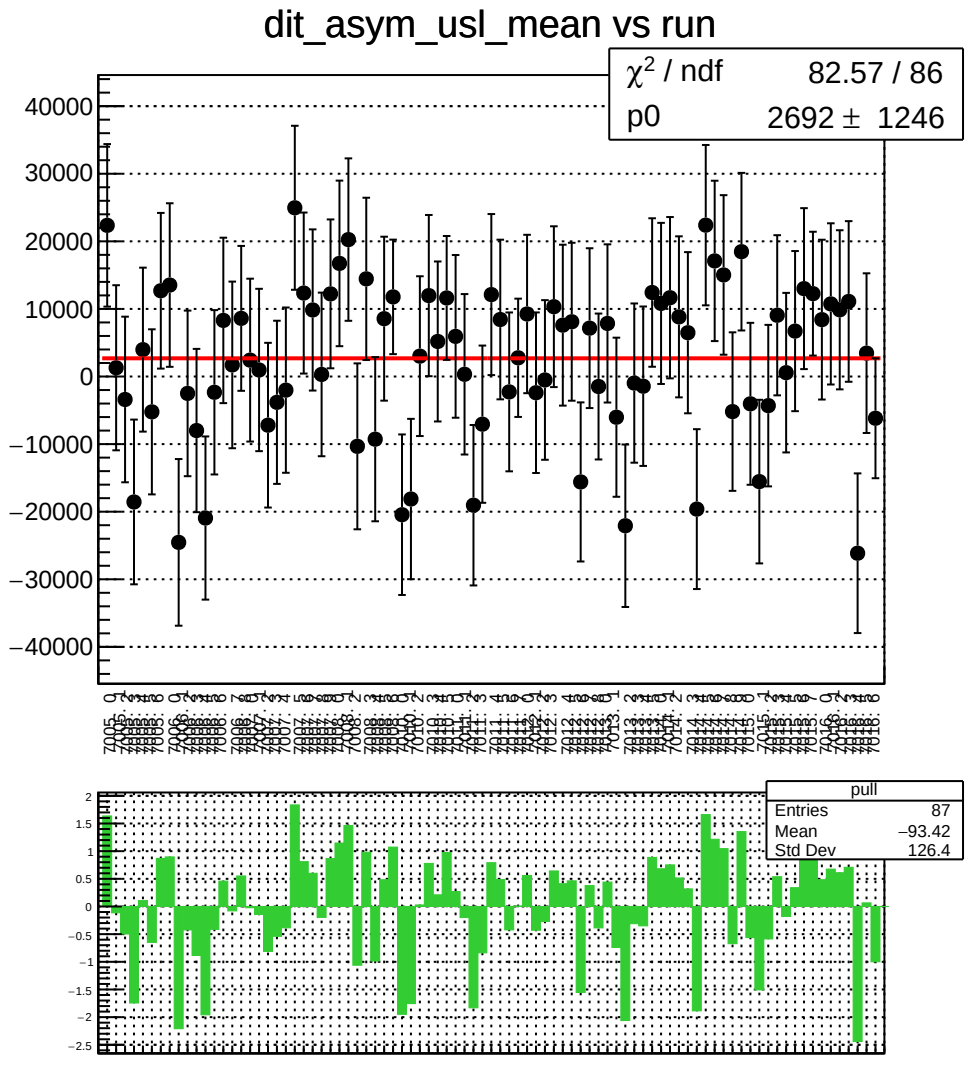

pull1D
Entries 87
Mean −0.001189
Std Dev 0.9306
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

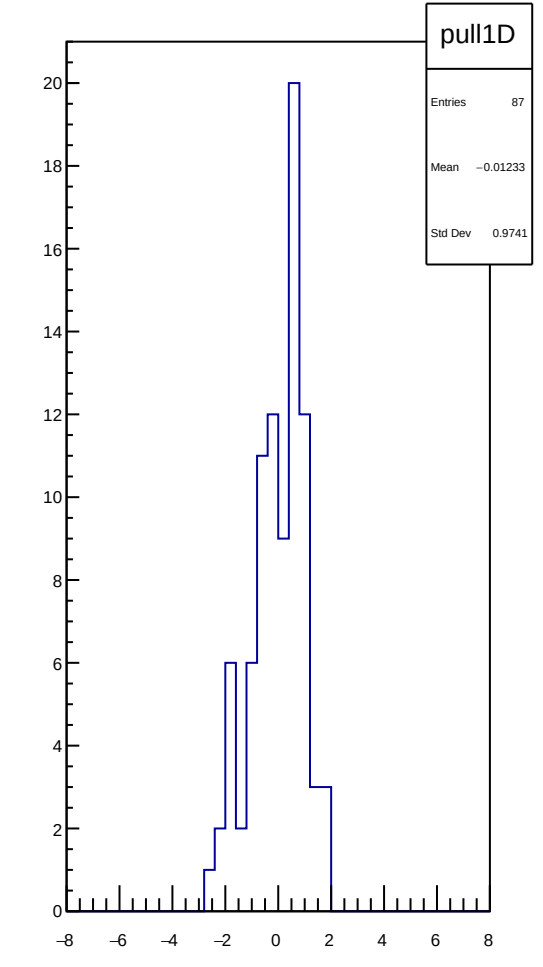

asym_us_dd_correction_rms vs run
χ² / ndf 3639 / 86
p0 1744 ± 1.357
1950
1900
1850
1800
1750
1700
1650
1600
1550

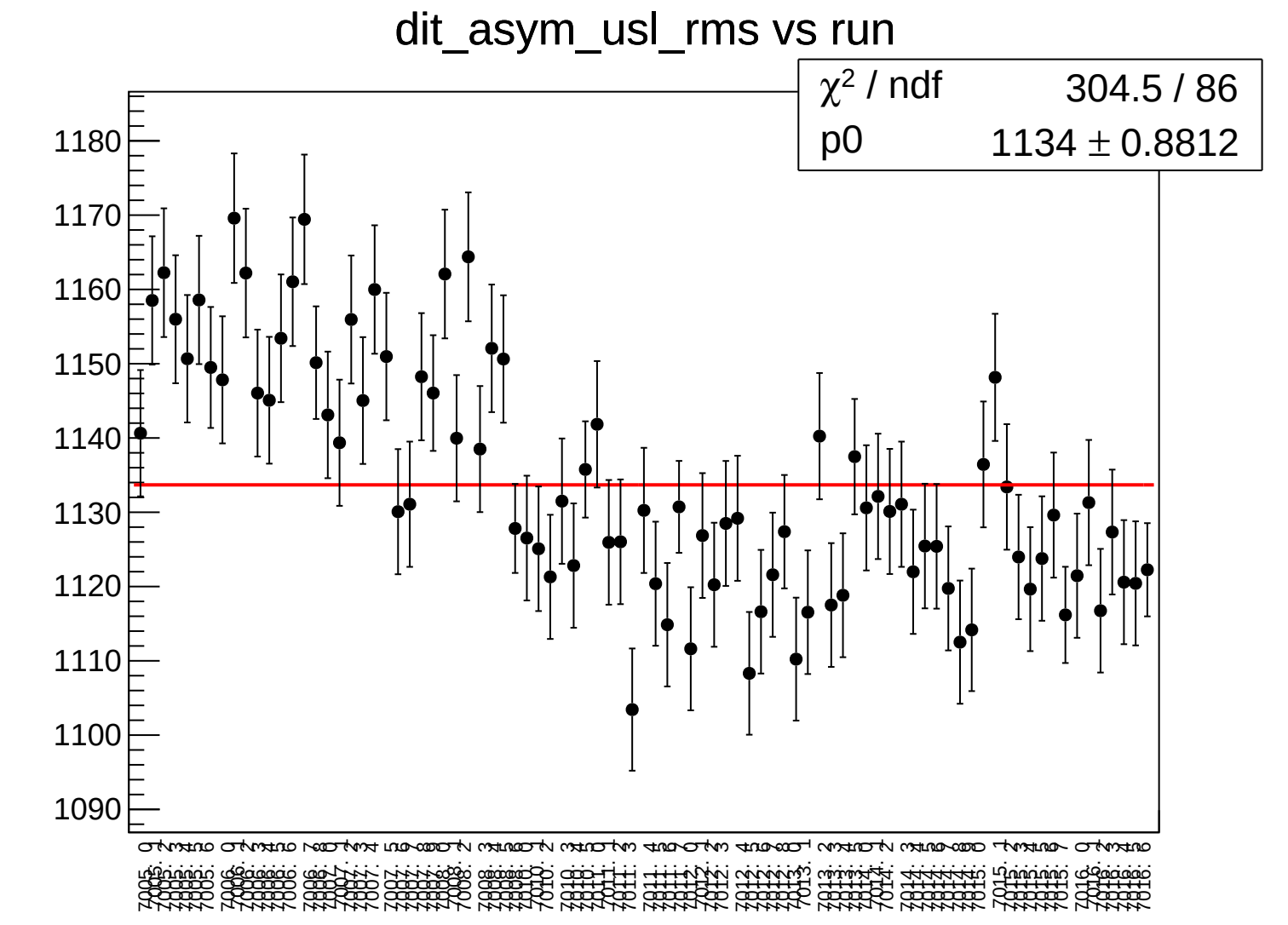

asym_us_dd_mean vs run
χ² / ndf 67.37 / 86
p0 1413 ± 1041
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 635.1
Std Dev 606.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

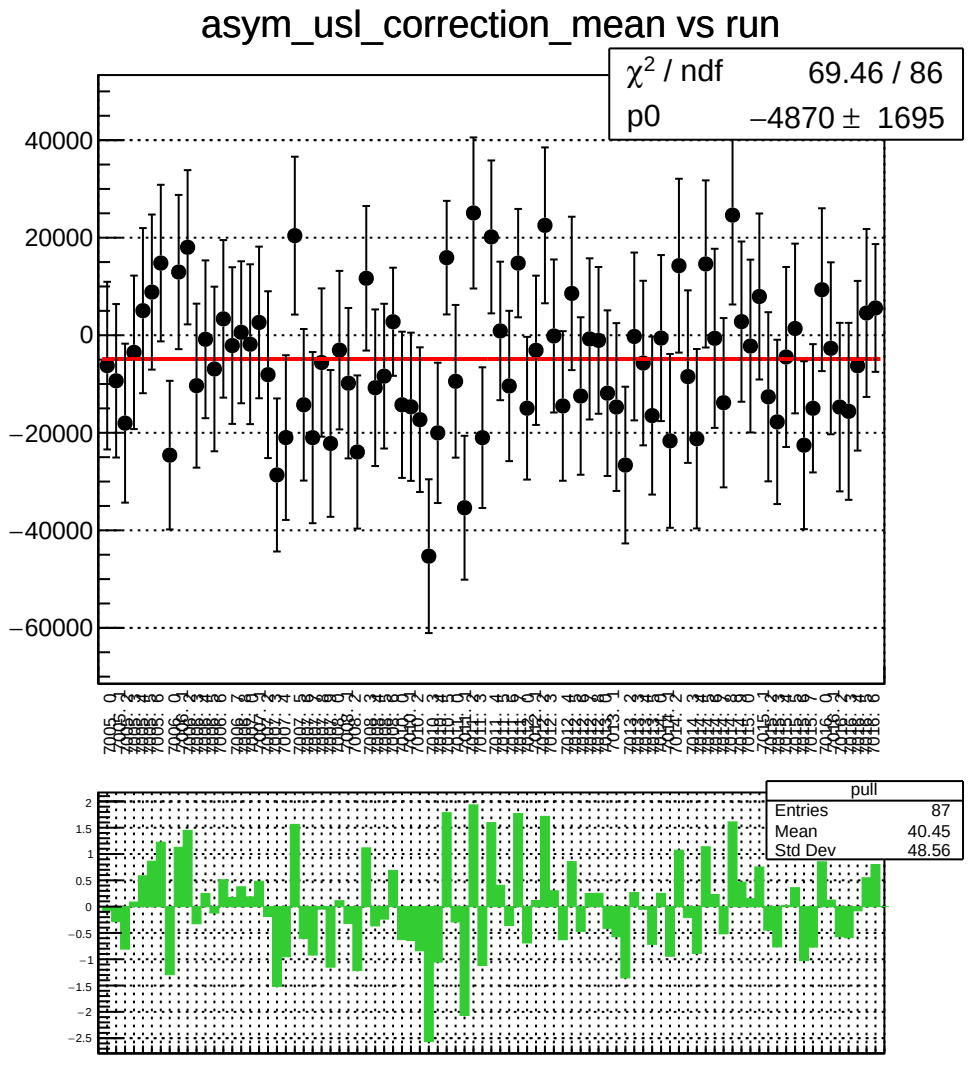

pull1D
Entries 87
Mean 0.003347
Std Dev 0.88
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

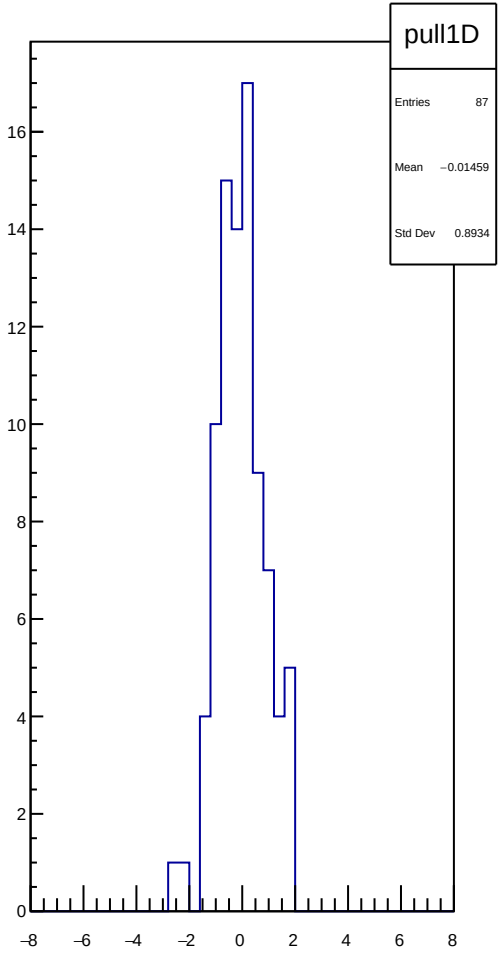

asym_us_dd_rms vs run
χ² / ndf 999.4 / 86
p0 946.6 ± 0.7359
1020
1000
980
960
940
920
900

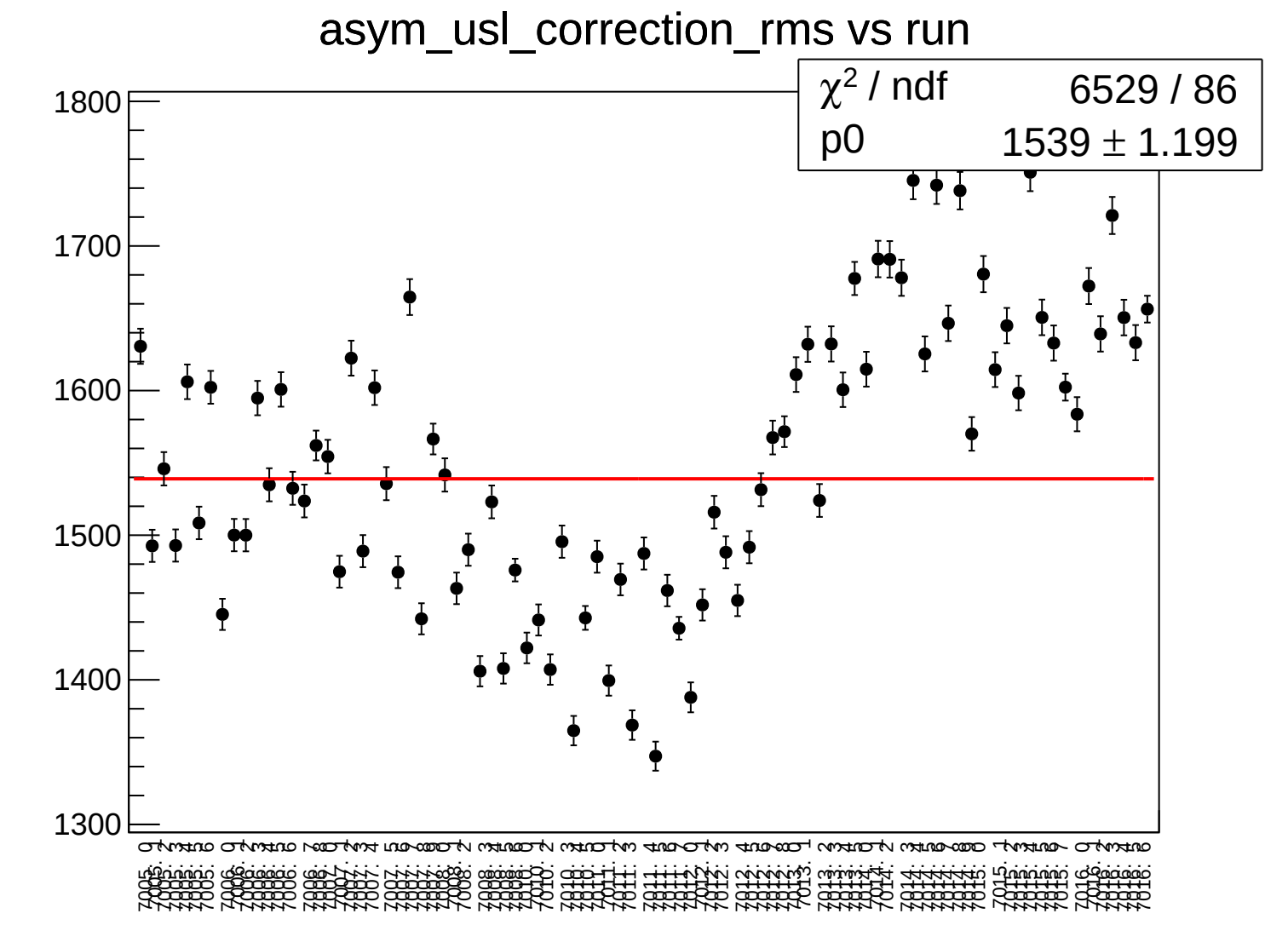

dit_asym_usl_mean vs run
χ² / ndf 82.57 / 86
p0 2692 ± 1246
pull
Entries 87
Mean −93.42
Std Dev 126.4

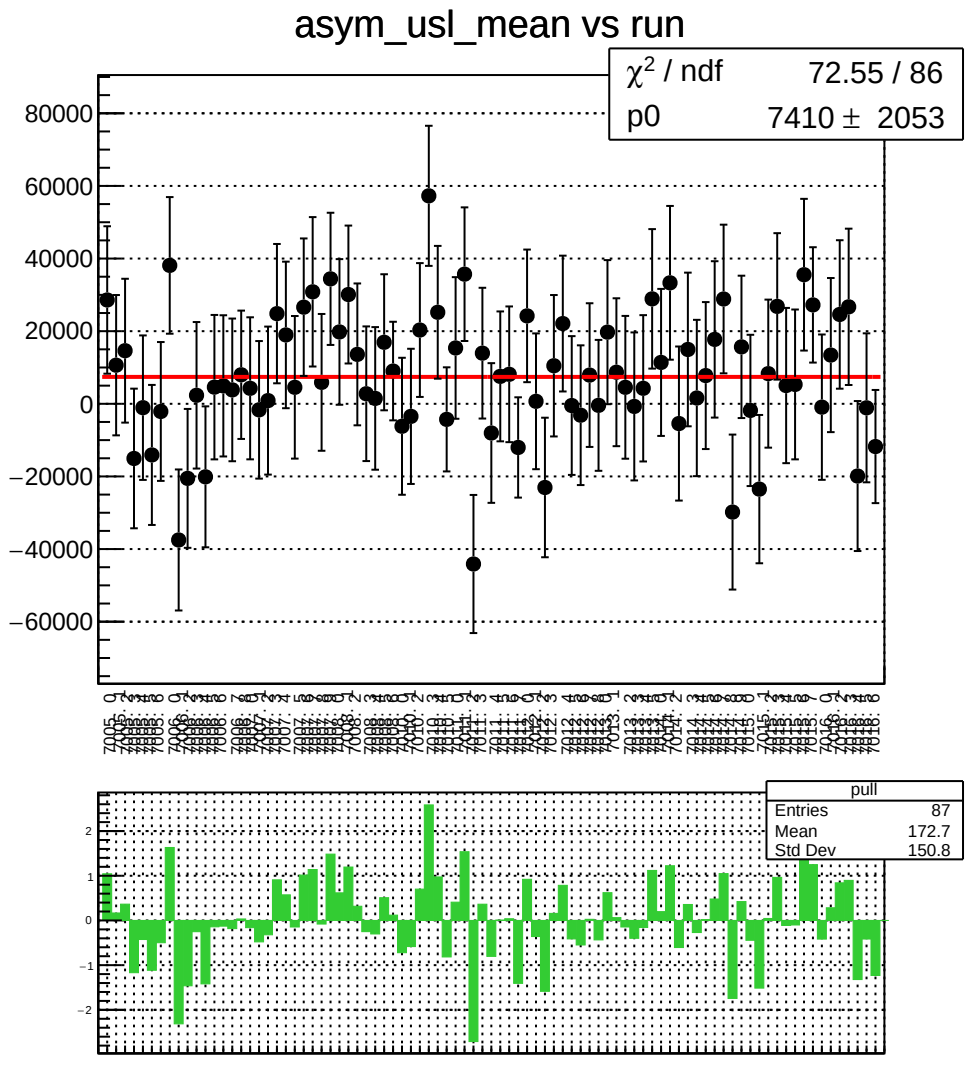

pull1D
Entries 87
Mean −0.01233
Std Dev 0.9741

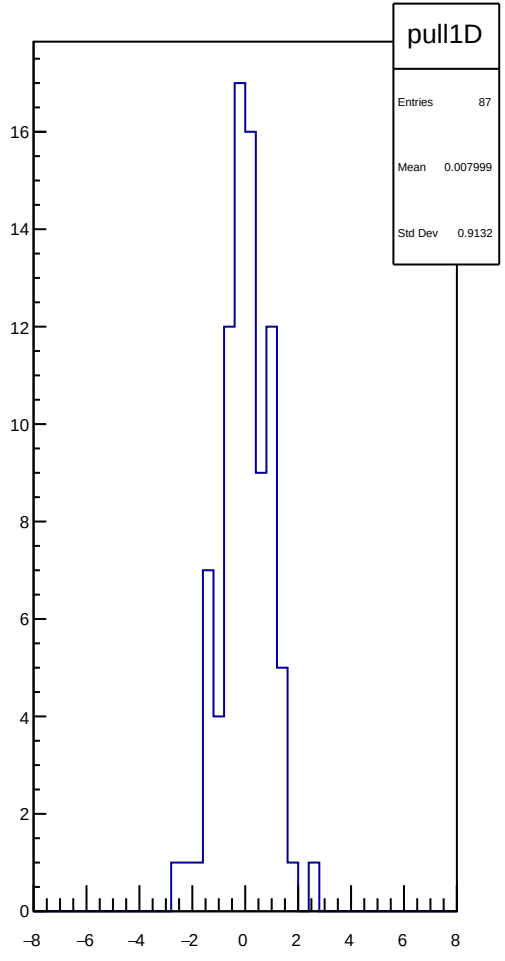

dit_asym_usl_rms vs run
χ² / ndf 304.5 / 86
p0 1134 ± 0.8812
1180
1170
1160
1150
1140
1130
1120
1110
1100
1090

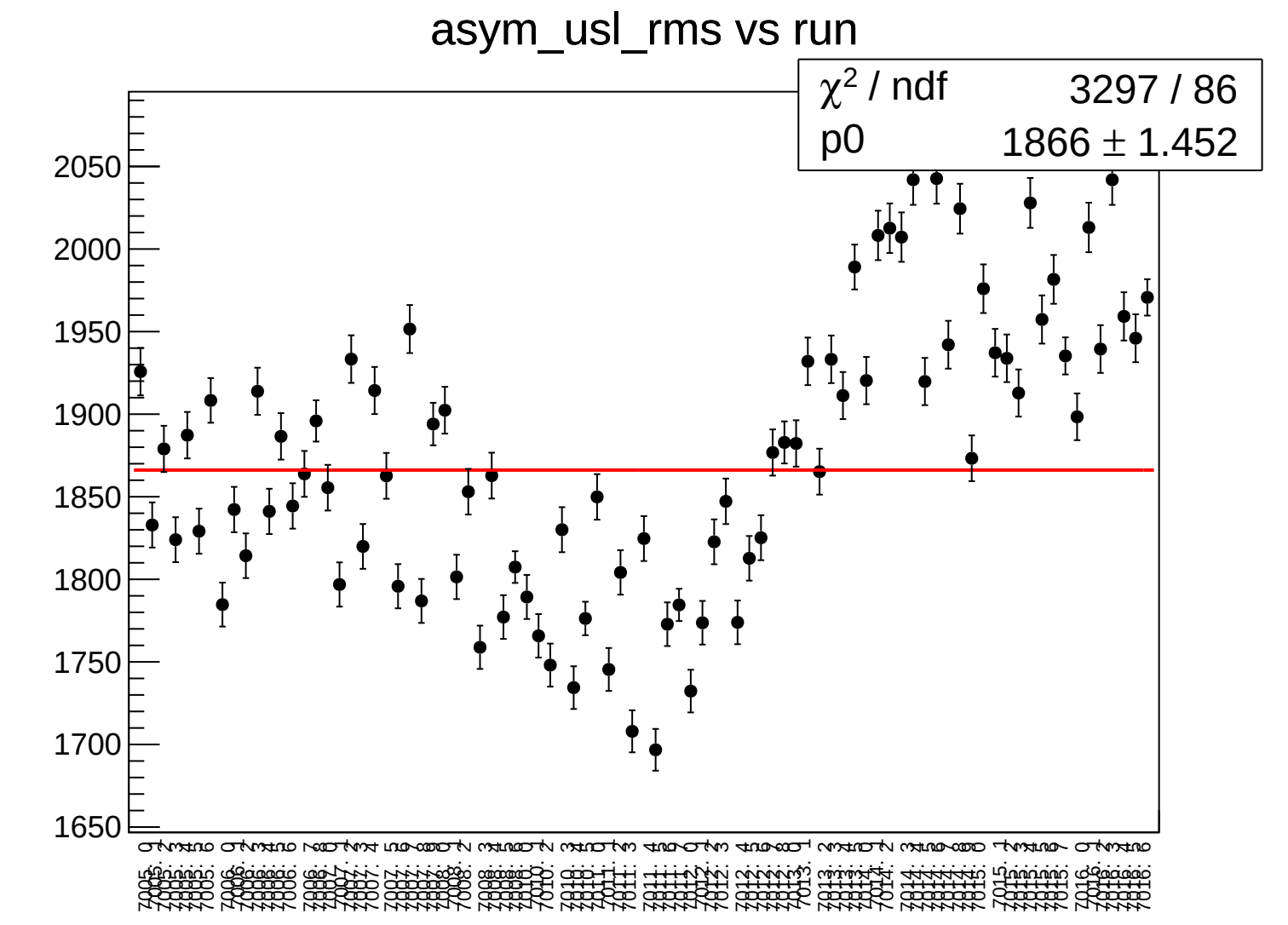

asym_usl_correction_mean vs run
χ² / ndf 69.46 / 86
p0 −4870 ± 1695
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 40.45
Std Dev 48.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

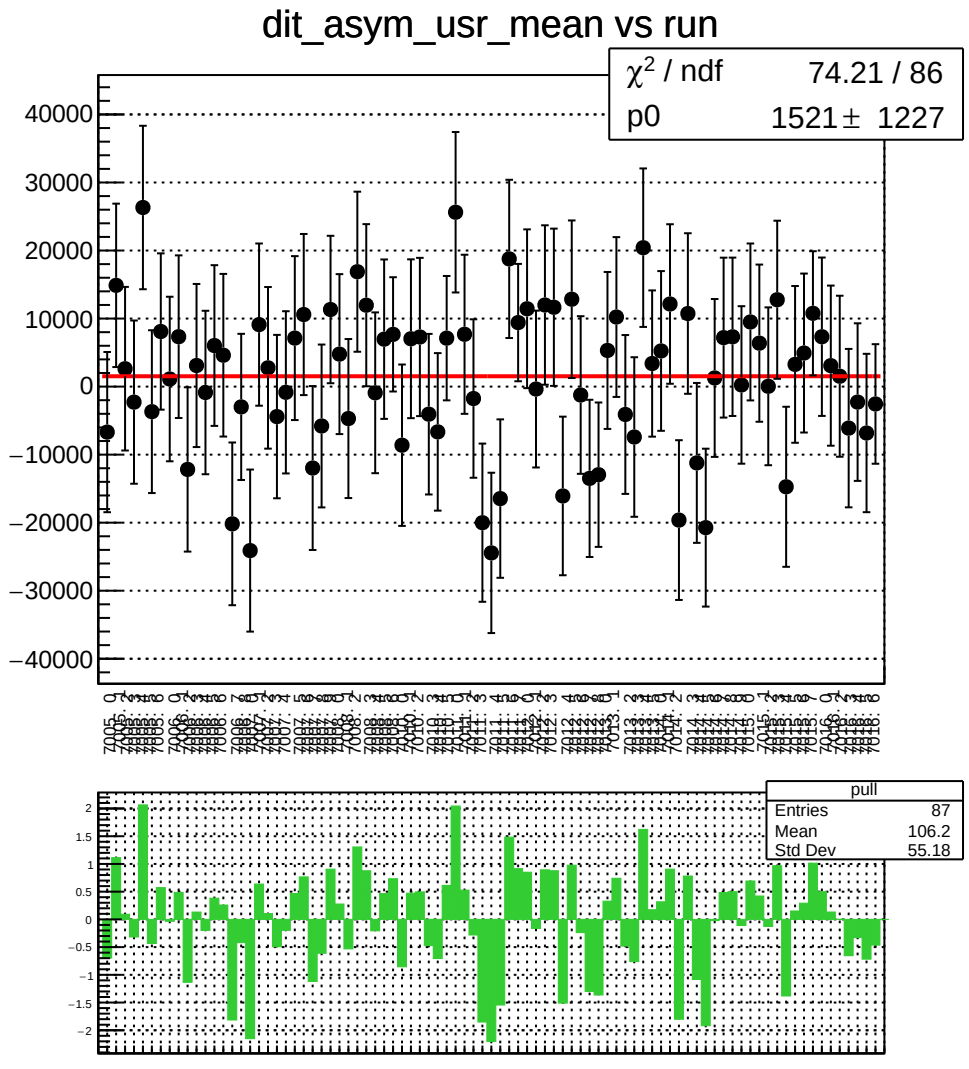

pull1D
Entries 87
Mean −0.01459
Std Dev 0.8934
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

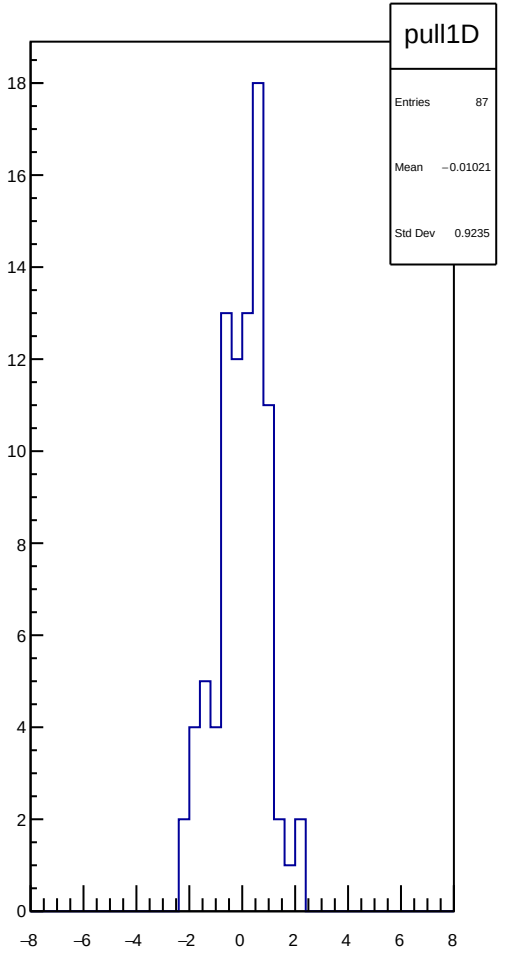

asym_usl_correction_rms vs run
χ² / ndf 6529 / 86
p0 1539 ± 1.199
1800
1700
1600
1500
1400
1300

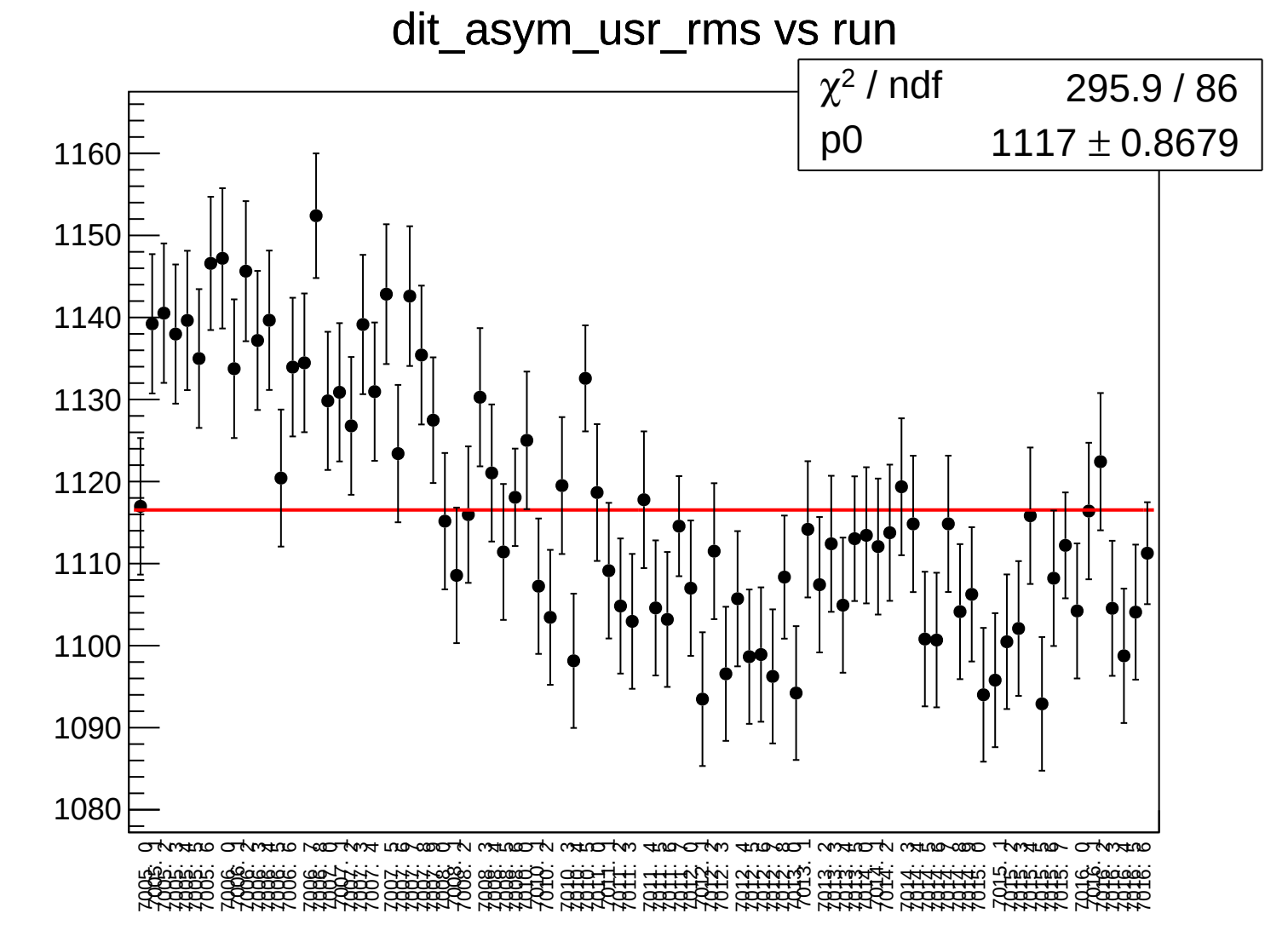

asym_usl_mean vs run
χ² / ndf 72.55 / 86
p0 7410 ± 2053
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 172.7
Std Dev 150.8
2
1
0
−1
−2

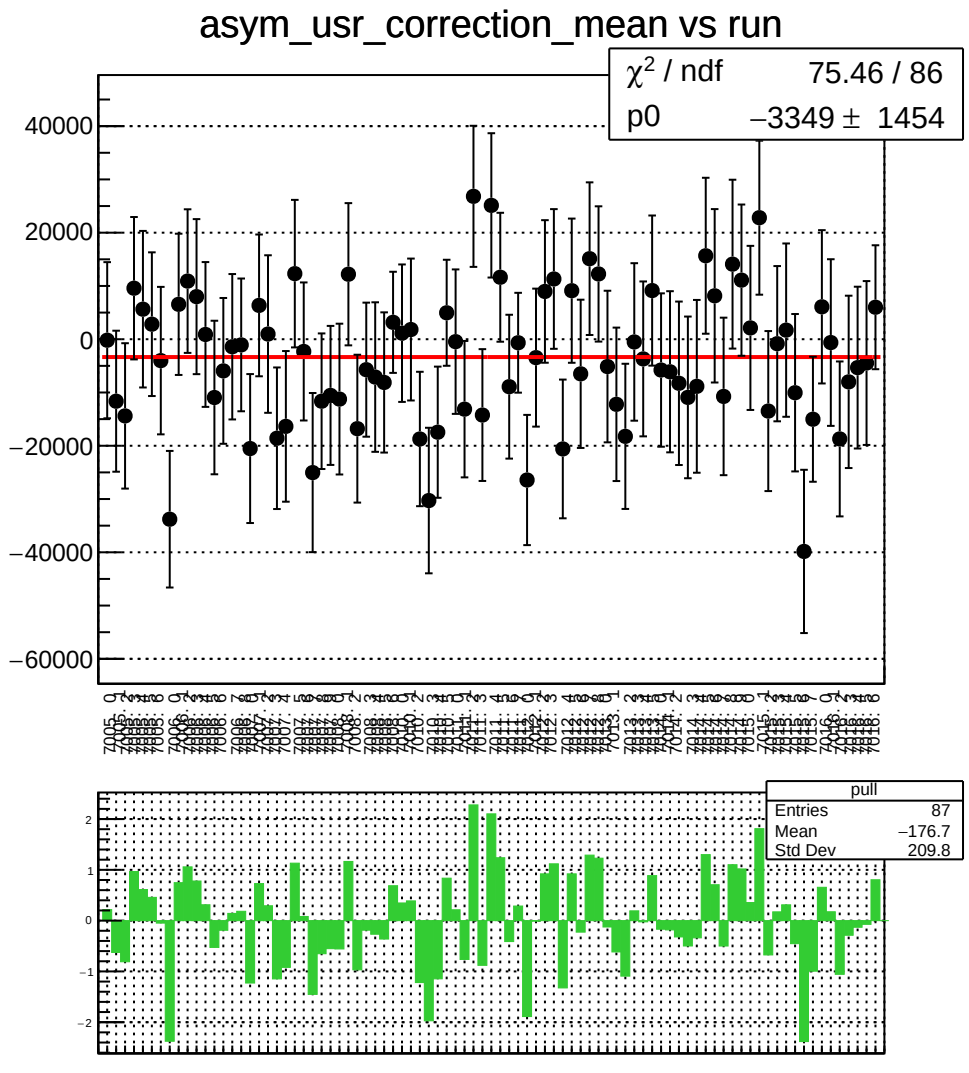

pull1D
Entries 87
Mean 0.007999
Std Dev 0.9132
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

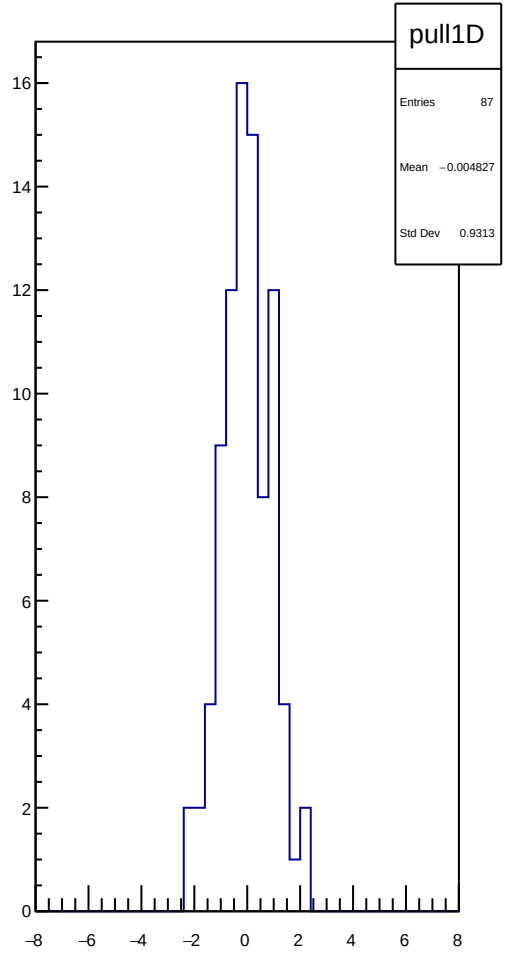

asym_usl_rms vs run
χ² / ndf 3297 / 86
p0 1866 ± 1.452
2050
2000
1950
1900
1850
1800
1750
1700
1650

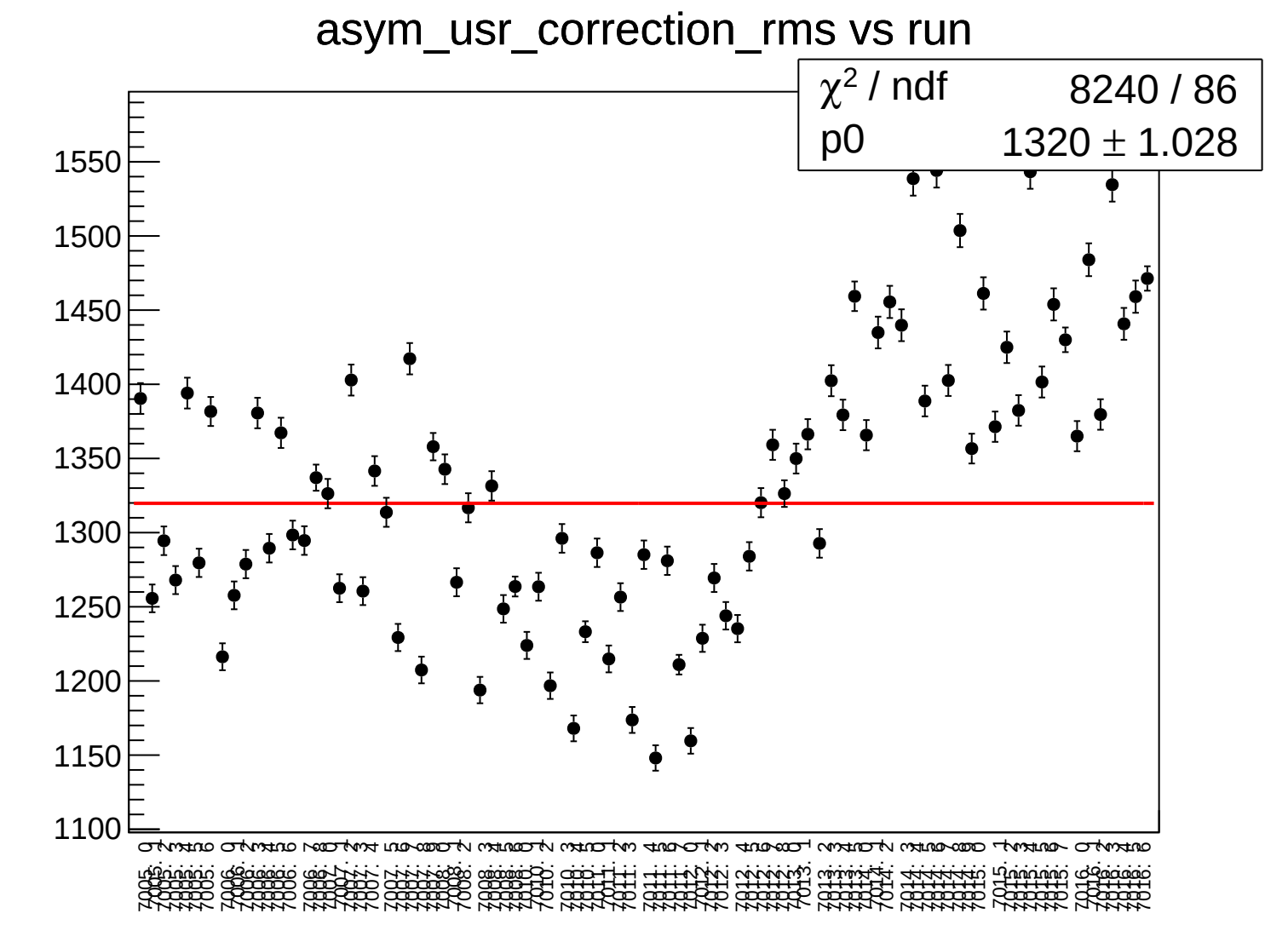

dit_asym_usr_mean vs run
χ² / ndf 74.21 / 86
p0 1521 ± 1227
pull
Entries 87
Mean 106.2
Std Dev 55.18

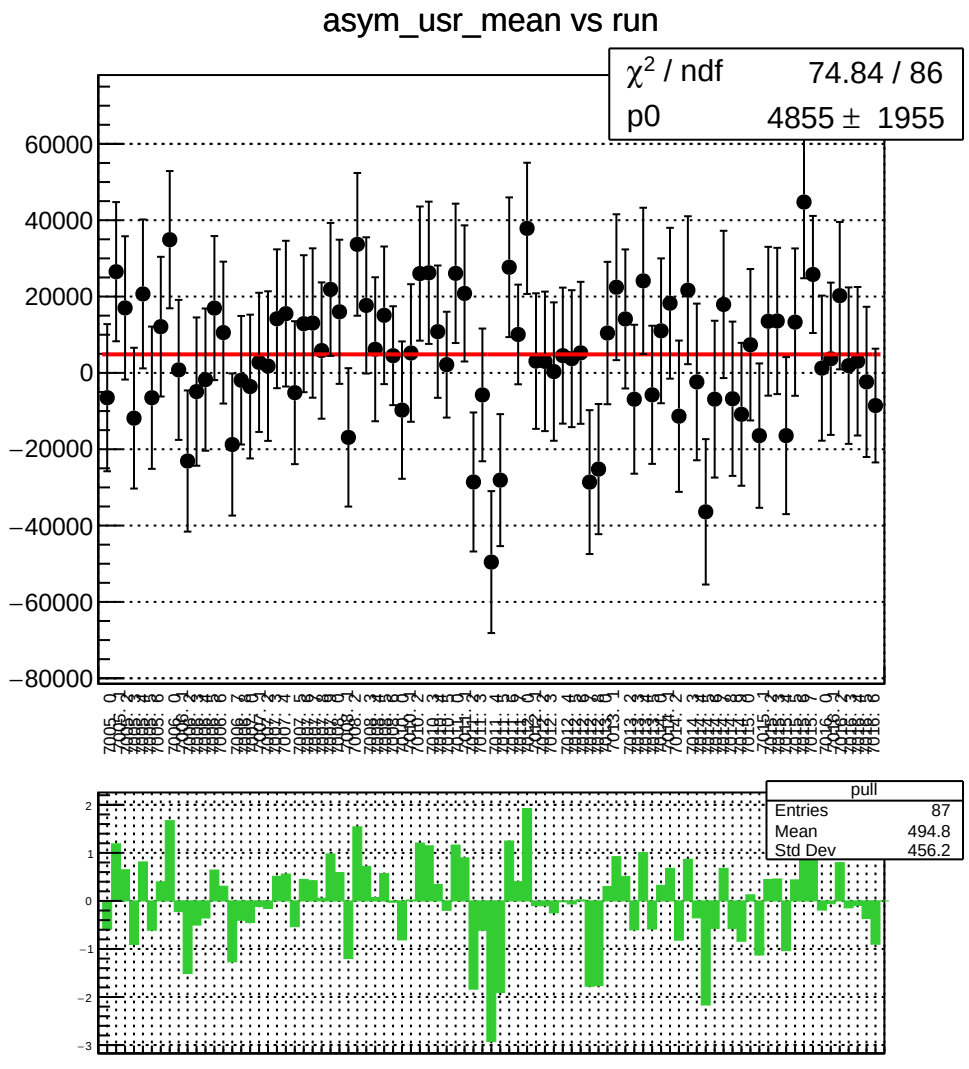

pull1D
Entries 87
Mean −0.01021
Std Dev 0.9235

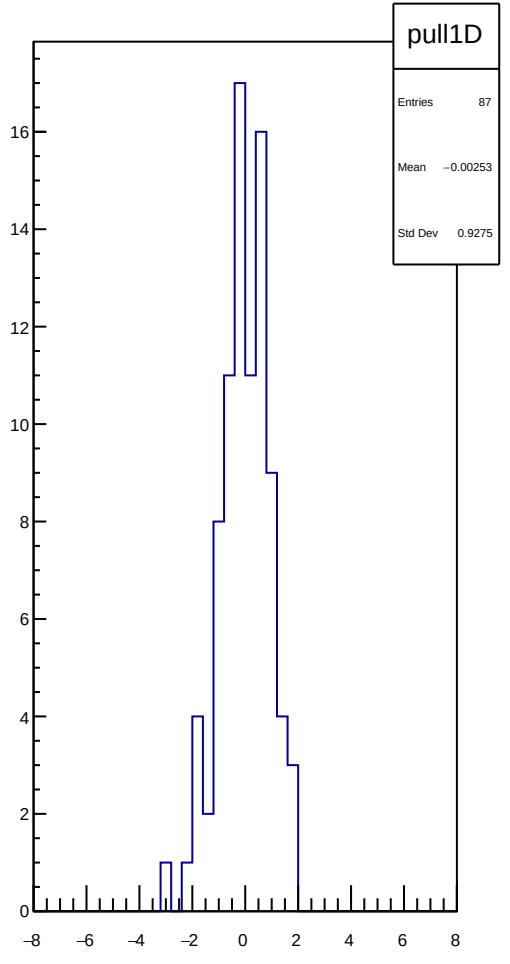

dit_asym_usr_rms vs run
χ² / ndf 295.9 / 86
p0 1117 ± 0.8679
1160
1150
1140
1130
1120
1110
1100
1090
1080

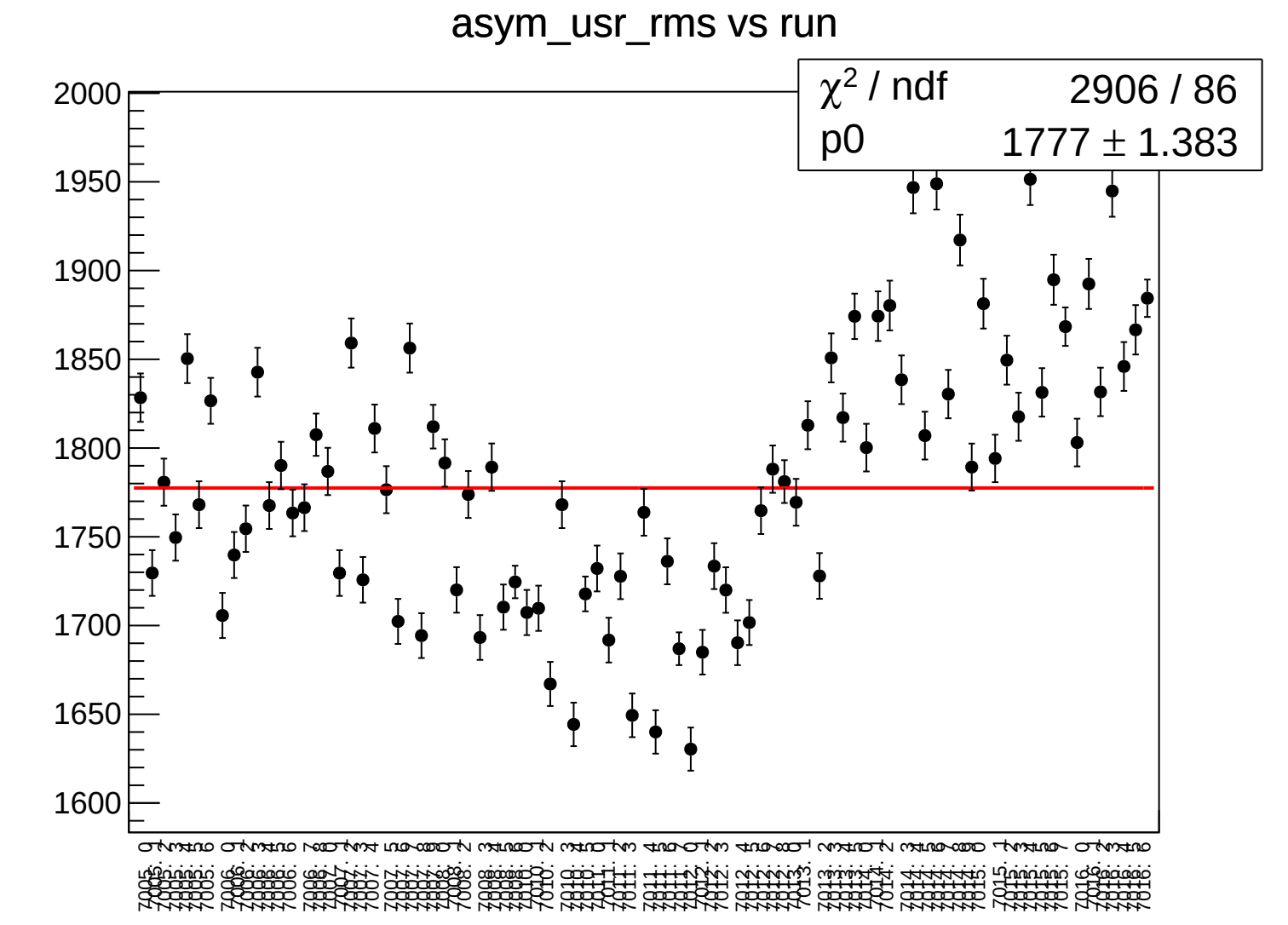

asym_usr_correction_mean vs run
χ² / ndf 75.46 / 86
p0 −3349 ± 1454
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −176.7
Std Dev 209.8
2
1
0
−1
−2

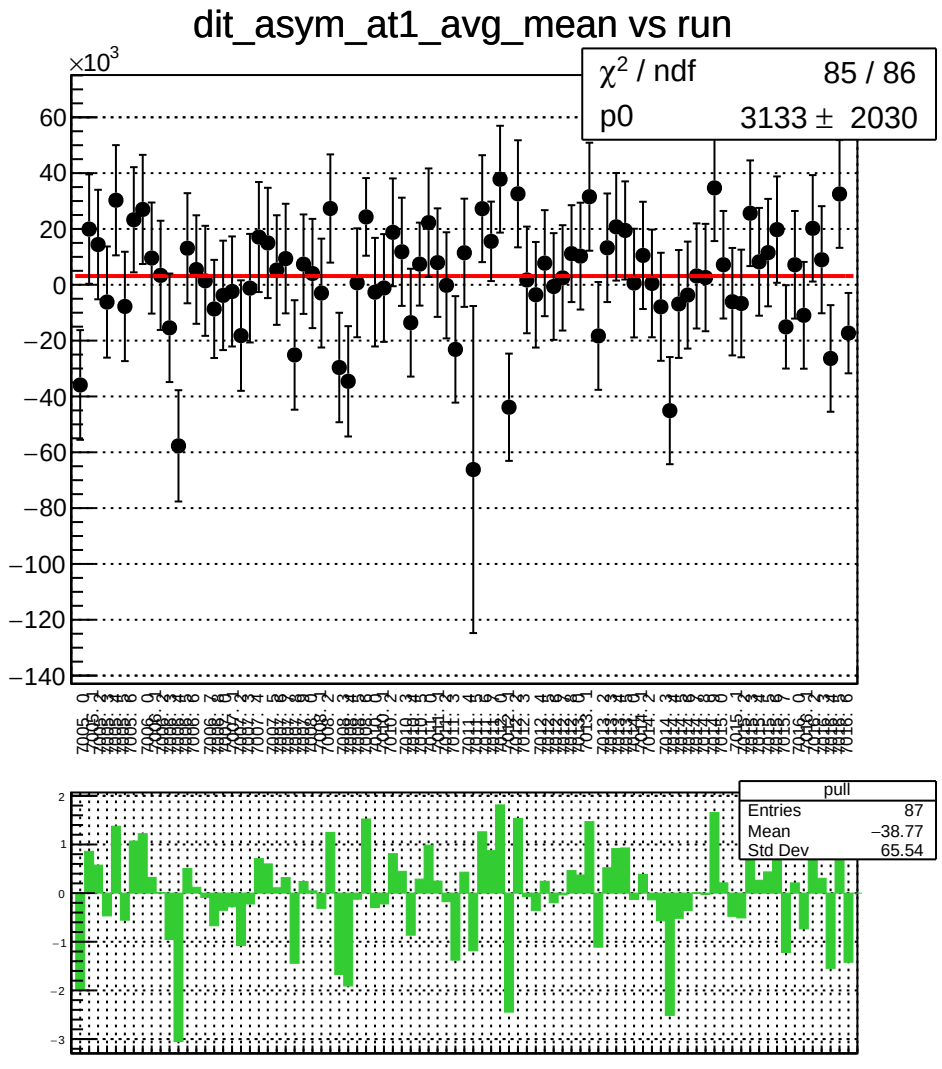

pull1D
Entries 87
Mean −0.004827
Std Dev 0.9313
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

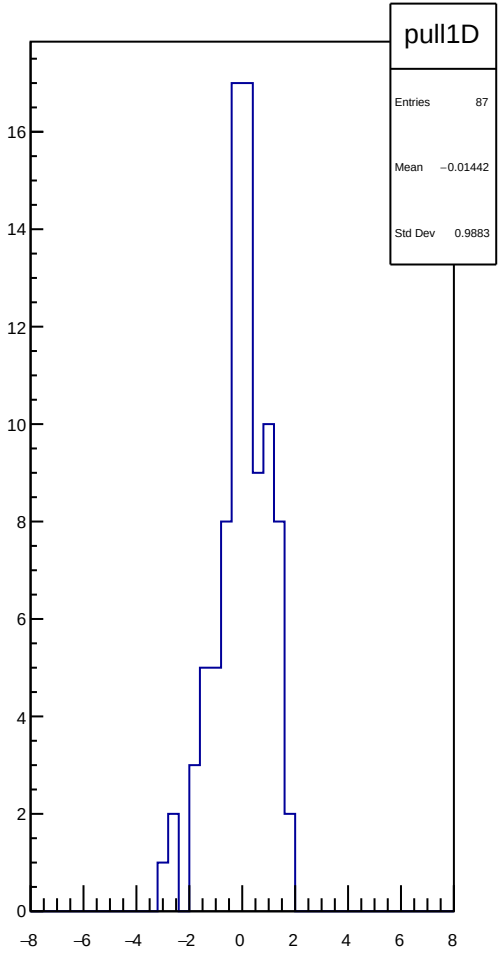

asym_usr_correction_rms vs run
χ² / ndf 8240 / 86
p0 1320 ± 1.028
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100

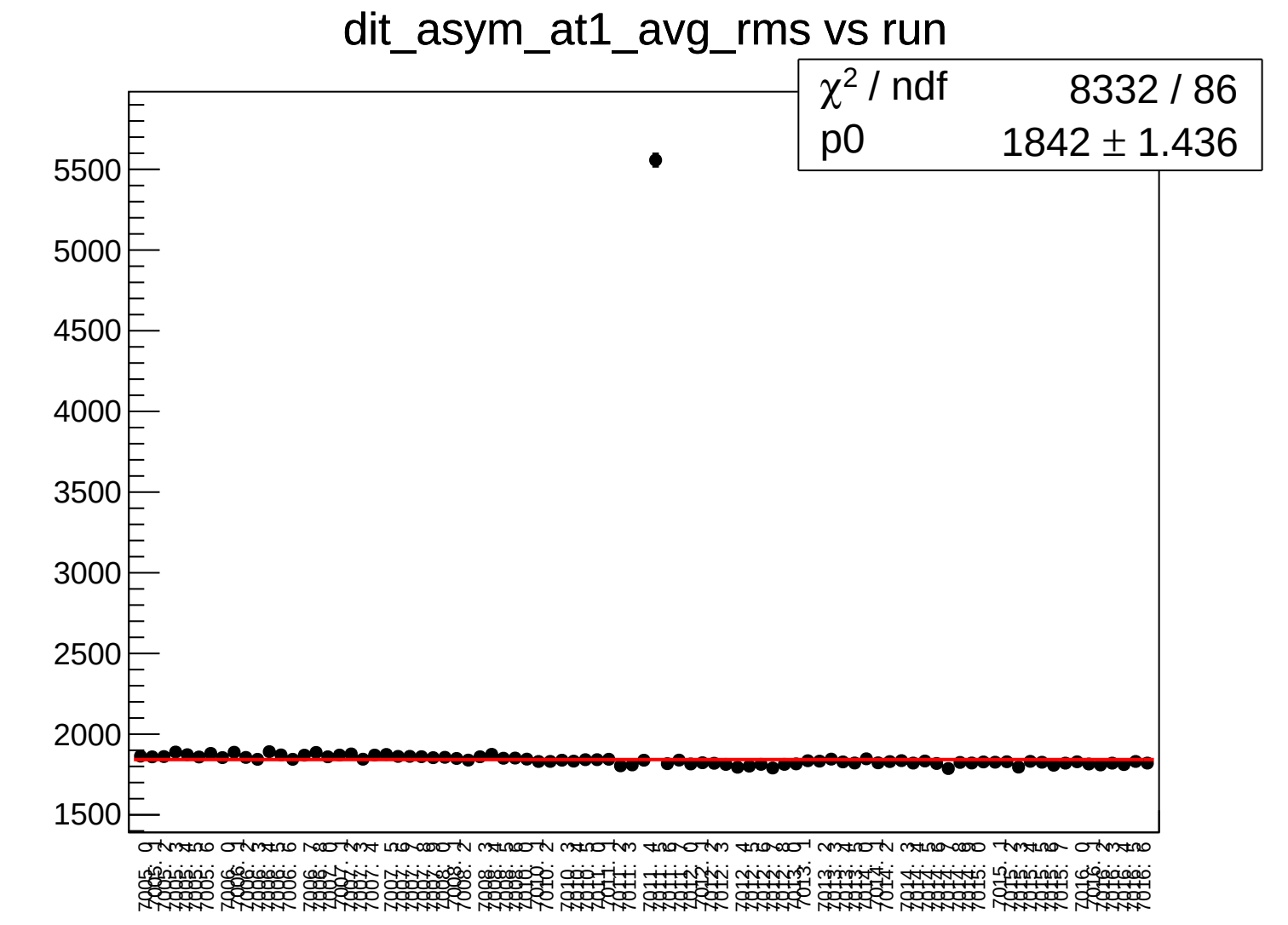

asym_usr_mean vs run
χ² / ndf 74.84 / 86
p0 4855 ± 1955
pull
Entries 87
Mean 494.8
Std Dev 456.2

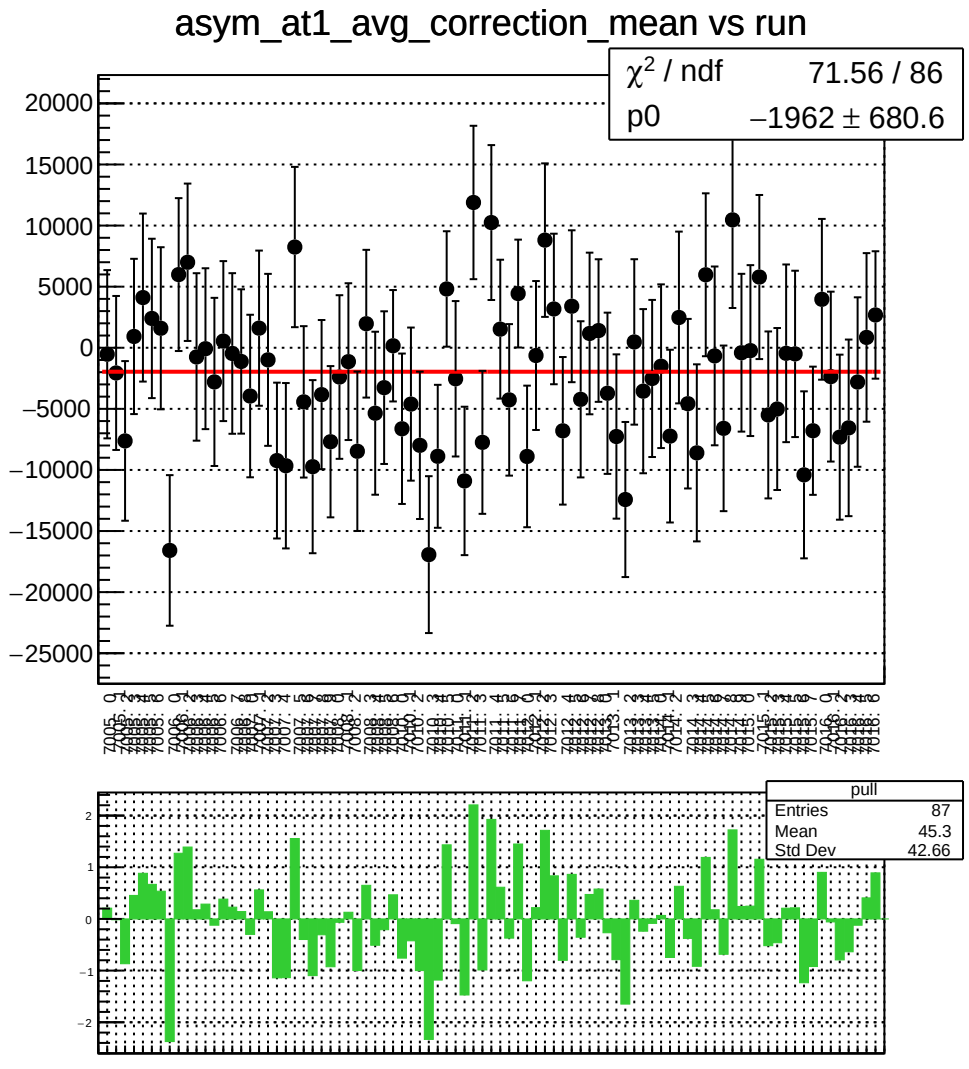

pull1D
Entries 87
Mean −0.00253
Std Dev 0.9275

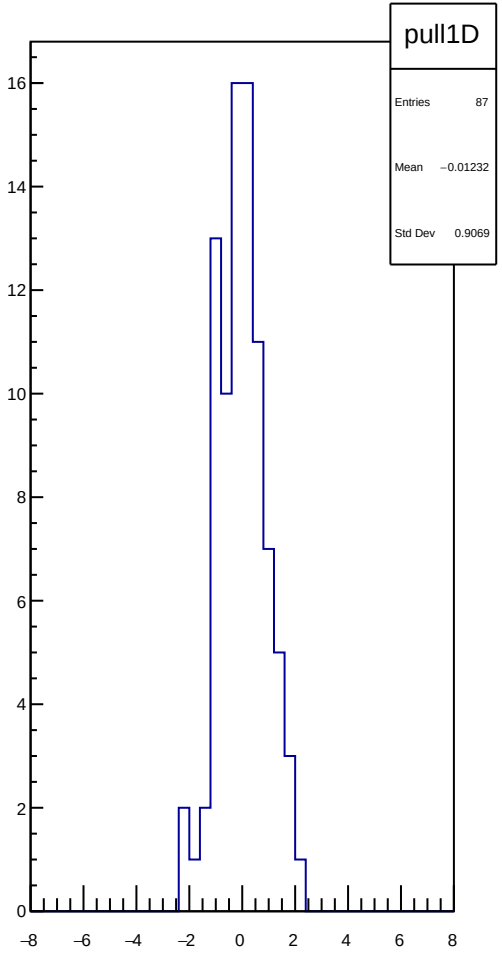

asym_usr_rms vs run
χ² / ndf 2906 / 86
p0 1777 ± 1.383
2000
1950
1900
1850
1800
1750
1700
1650
1600

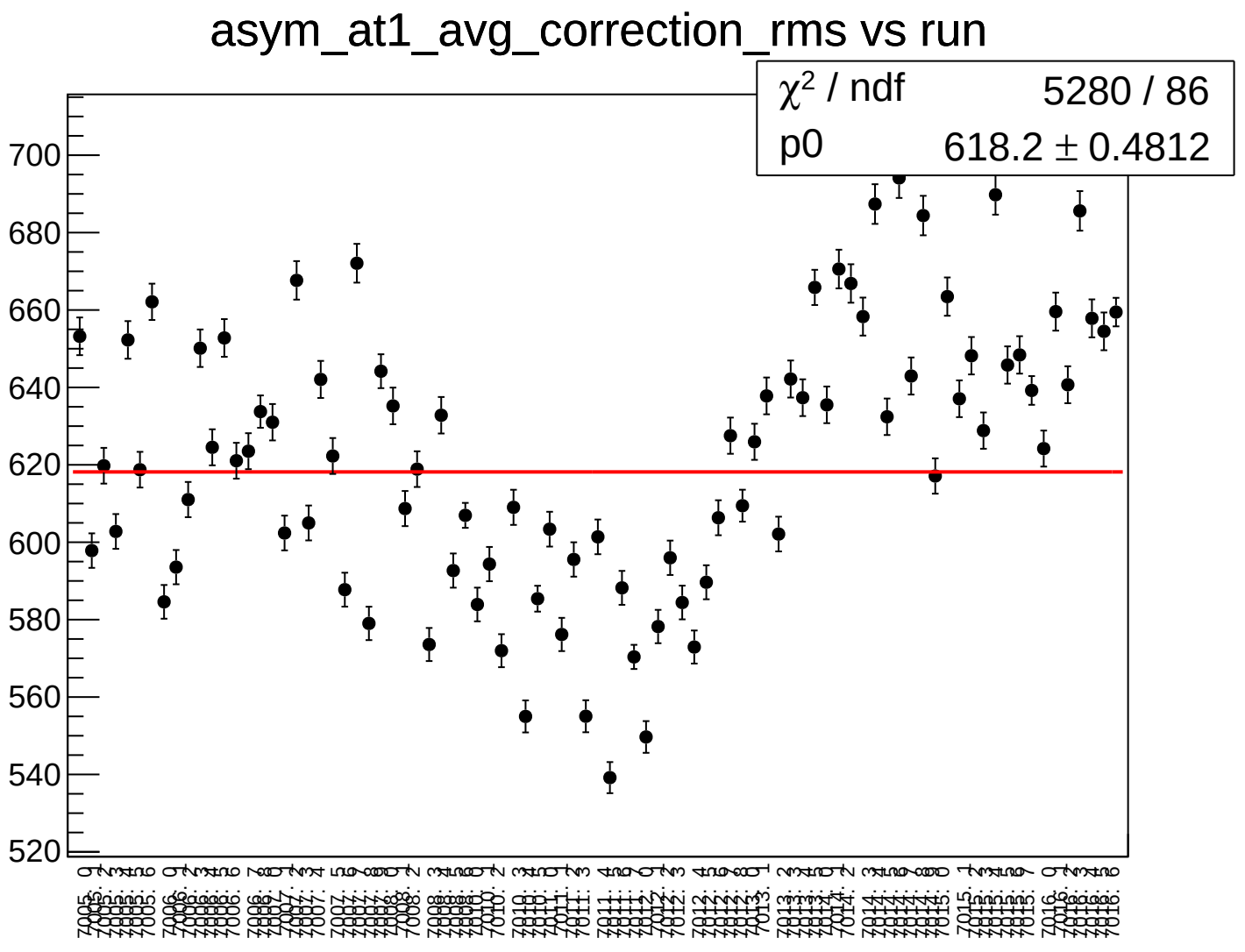

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 85 / 86
p0 3133 ± 2030
pull
Entries 87
Mean −38.77
Std Dev 65.54

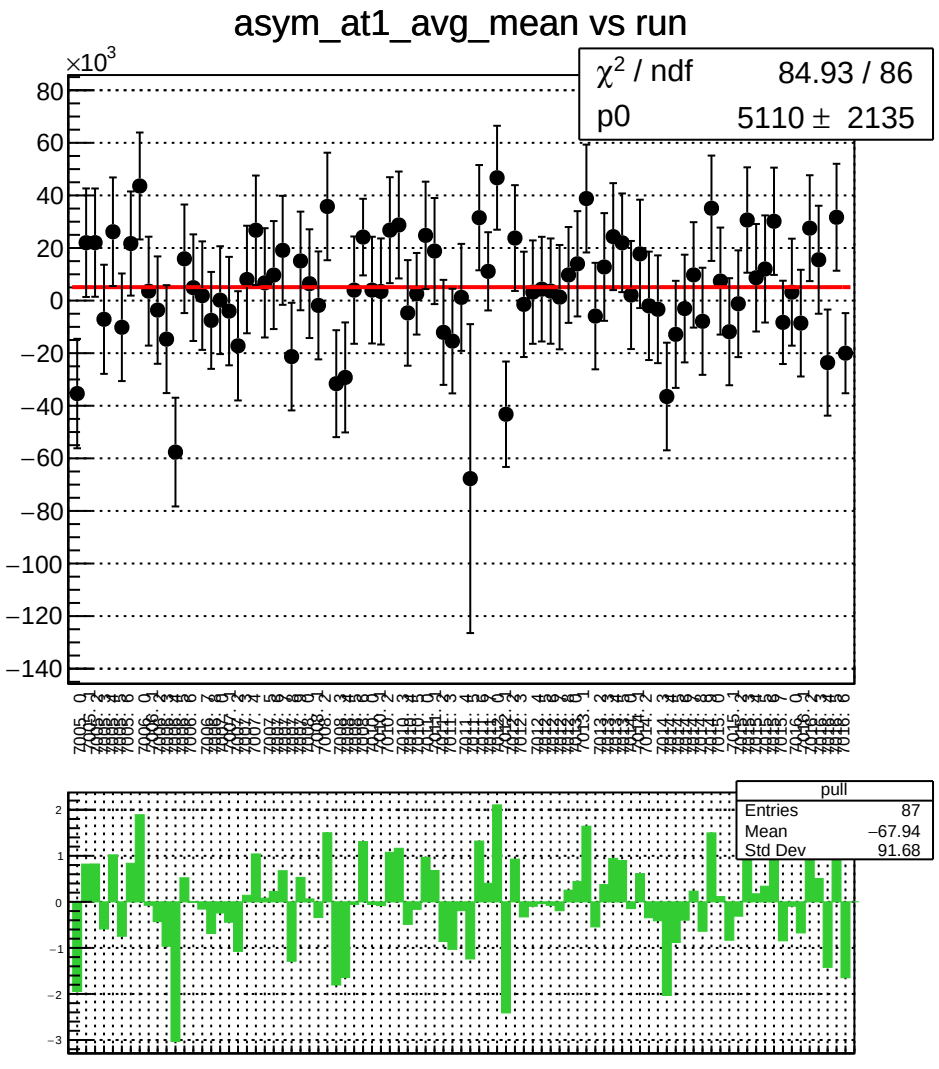

pull1D
Entries 87
Mean −0.01442
Std Dev 0.9883

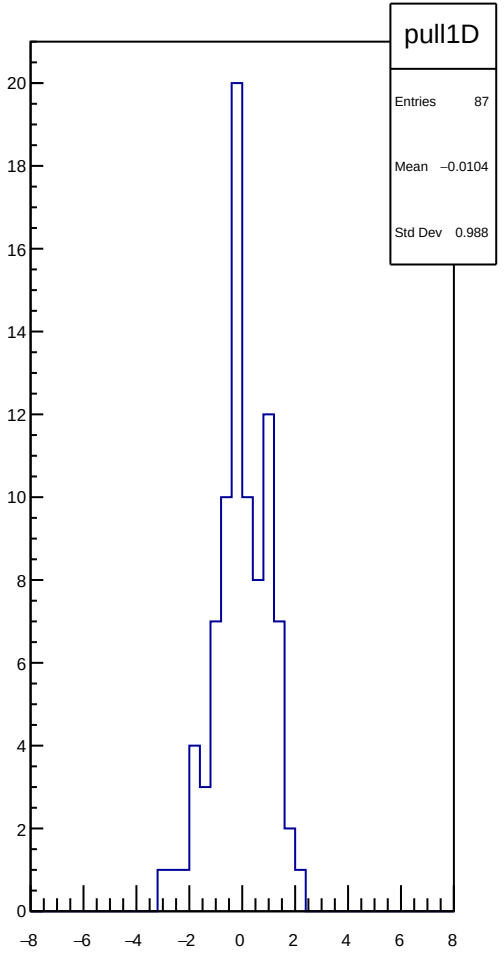

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8332 / 86
p0 1842 ± 1.436
5500
5000
4500
4000
3500
3000
2500
2000
1500

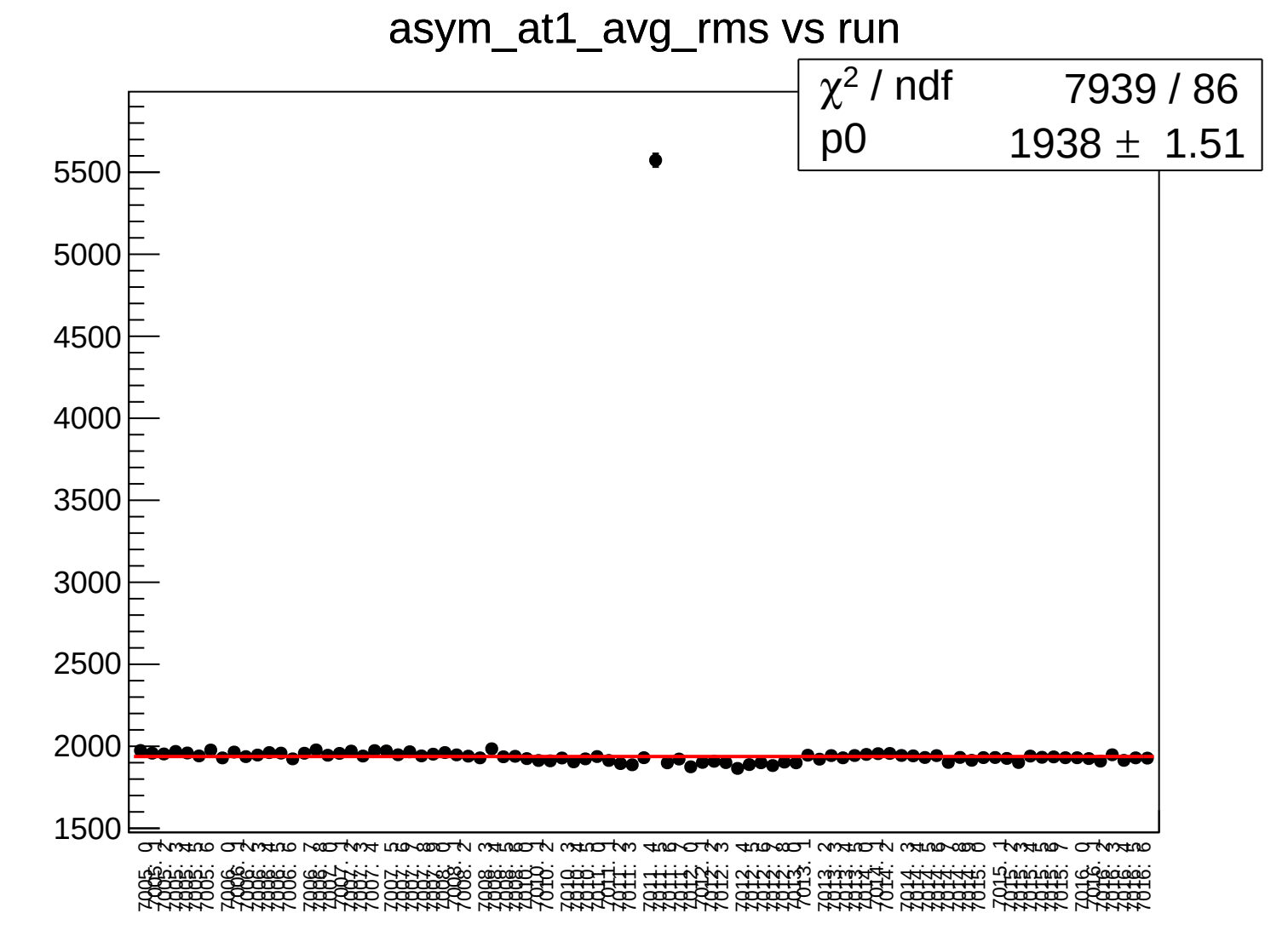

asym_at1_avg_correction_mean vs run
χ² / ndf 71.56 / 86
p0 −1962 ± 680.6
pull
Entries 87
Mean 45.3
Std Dev 42.66

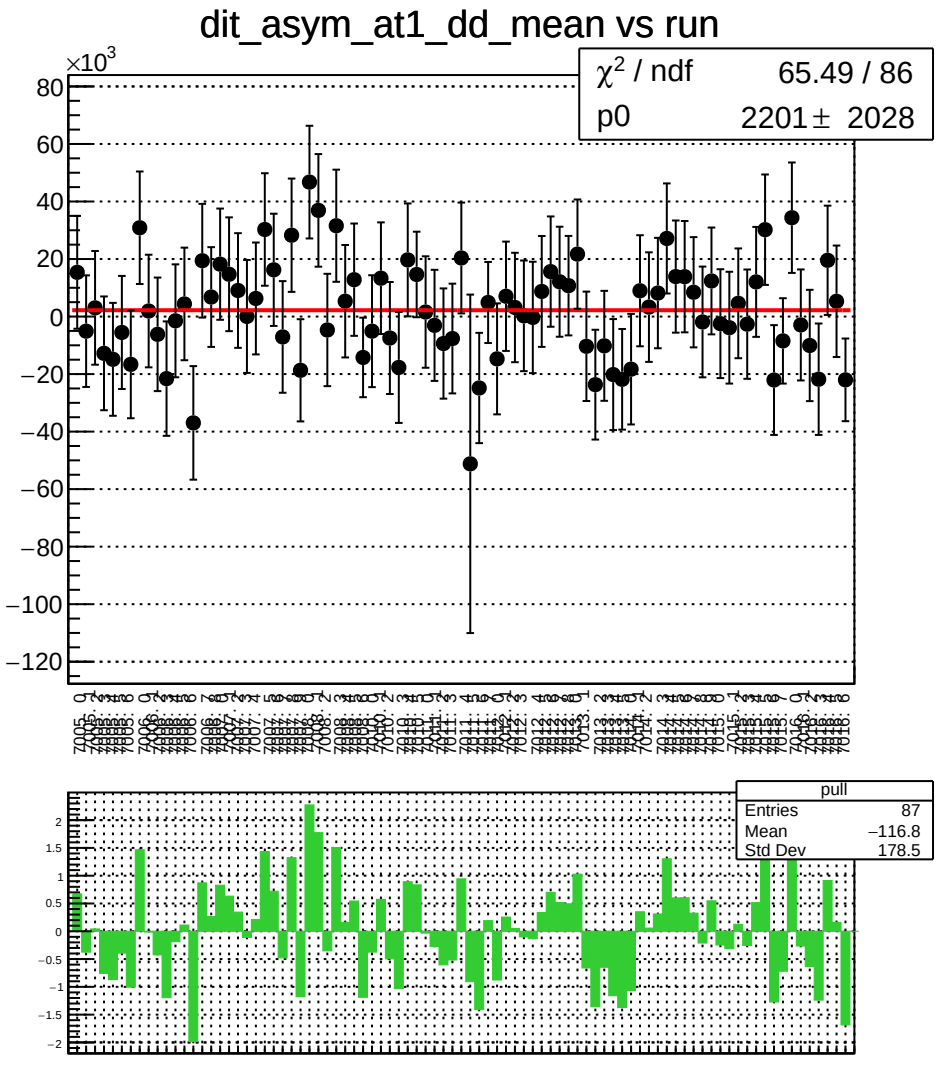

pull1D
Entries 87
Mean −0.01232
Std Dev 0.9069

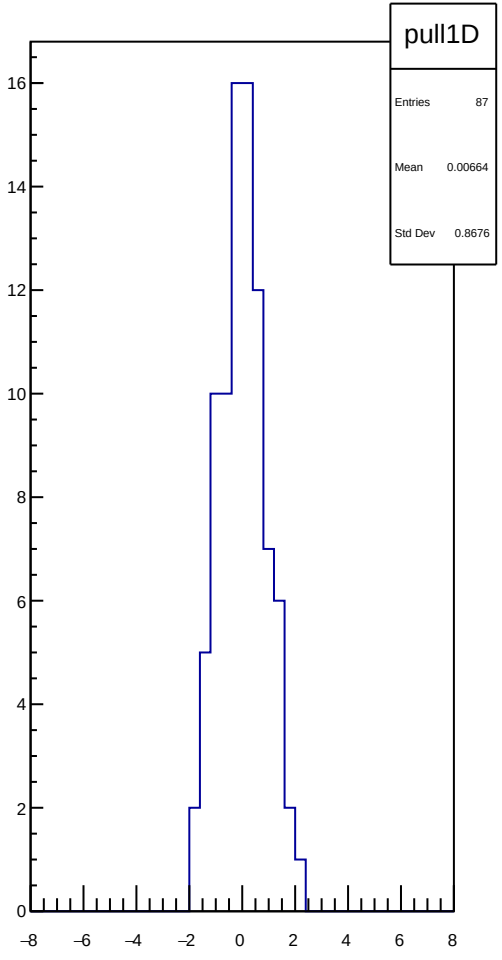

asym_at1_avg_correction_rms vs run
χ² / ndf 5280 / 86
p0 618.2 ± 0.4812
700
680
660
640
620
600
580
560
540
520

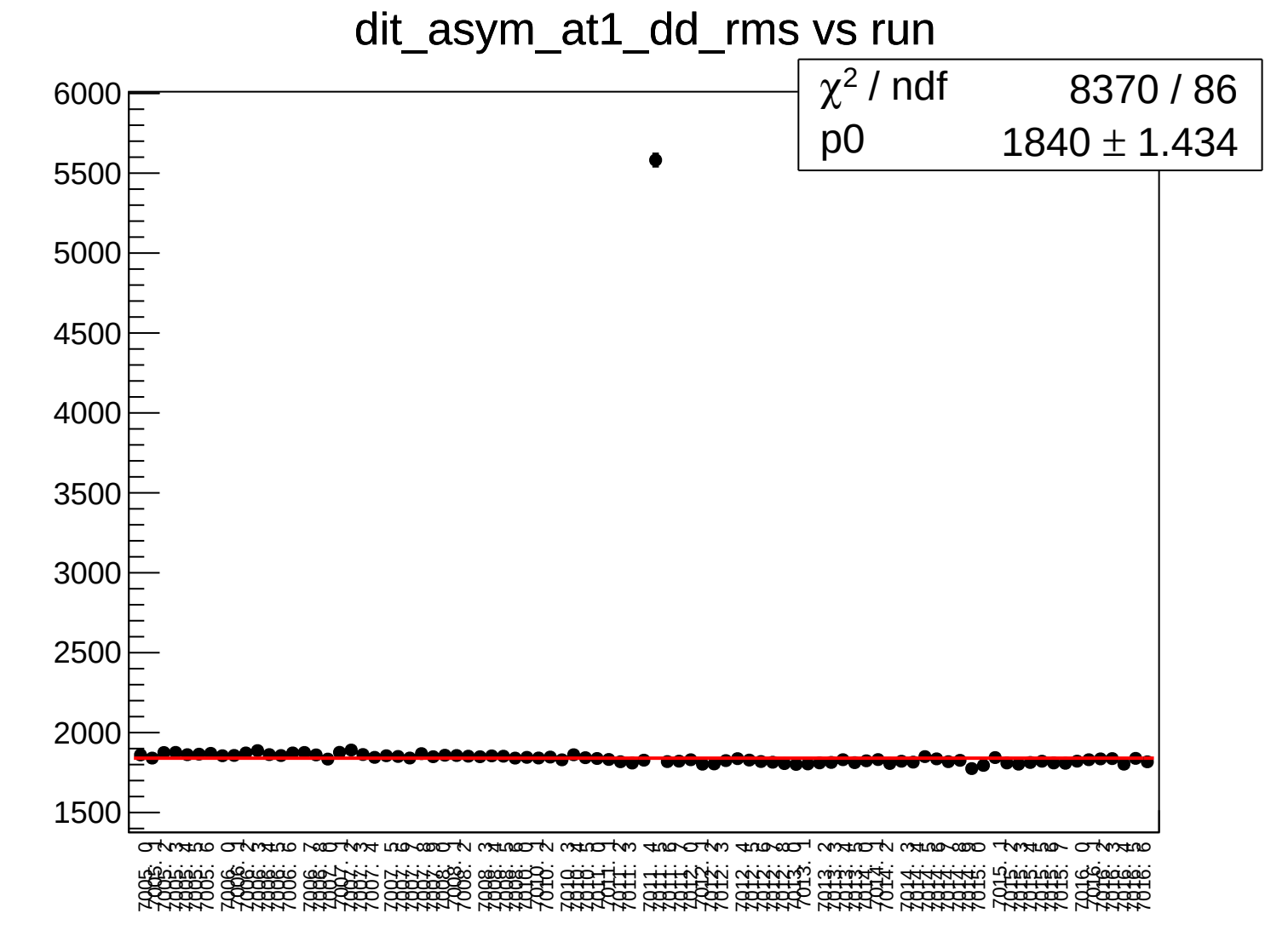

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 84.93 / 86
p0 5110 ± 2135
pull
Entries 87
Mean −67.94
Std Dev 91.68

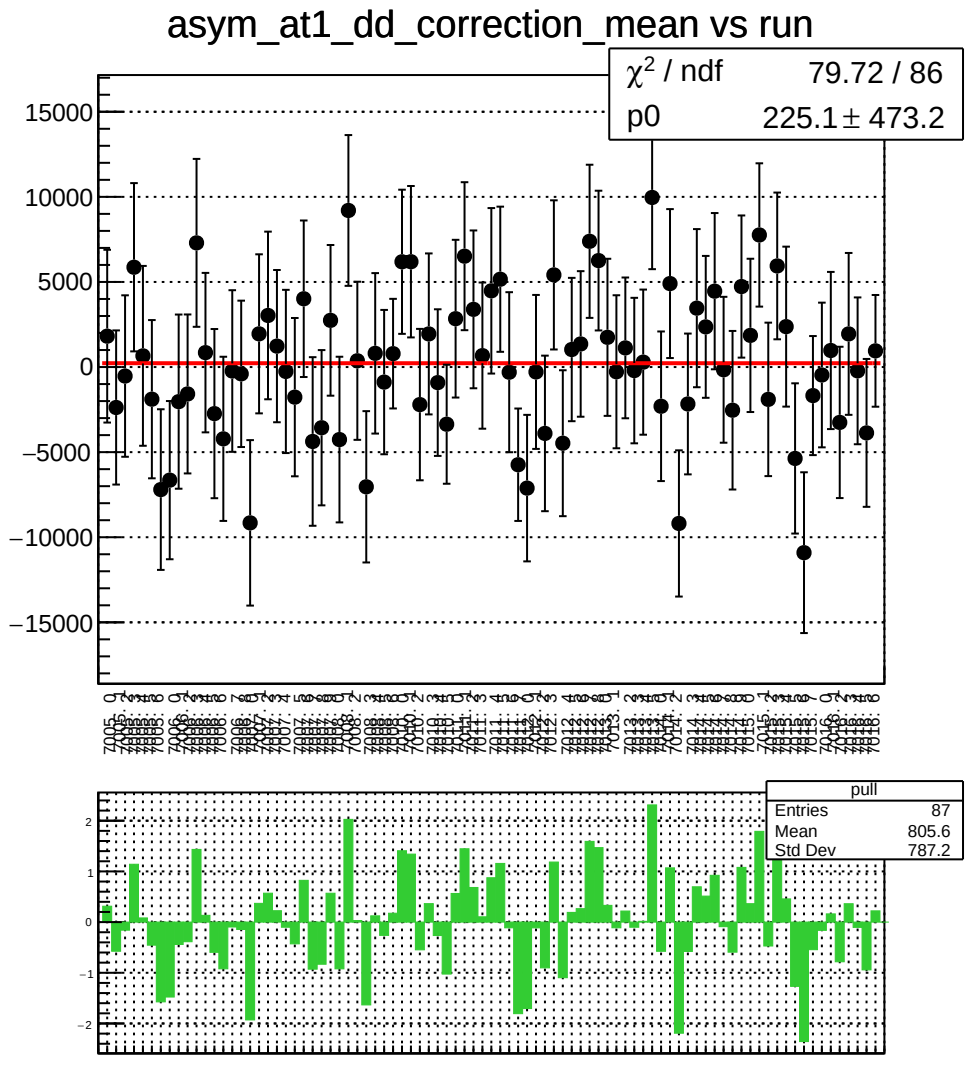

pull1D
Entries 87
Mean −0.0104
Std Dev 0.988

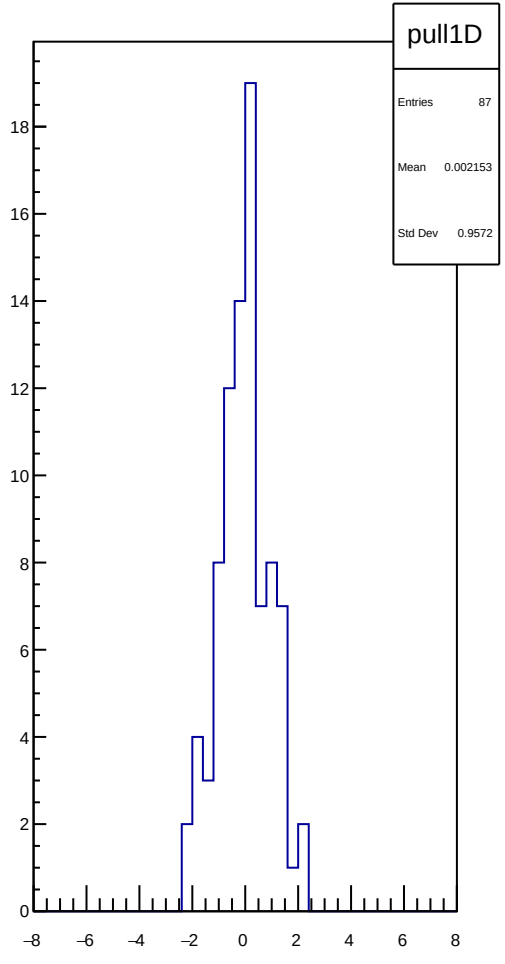

asym_at1_avg_rms vs run
χ² / ndf 7939 / 86
p0 1938 ± 1.51
5500
5000
4500
4000
3500
3000
2500
2000
1500

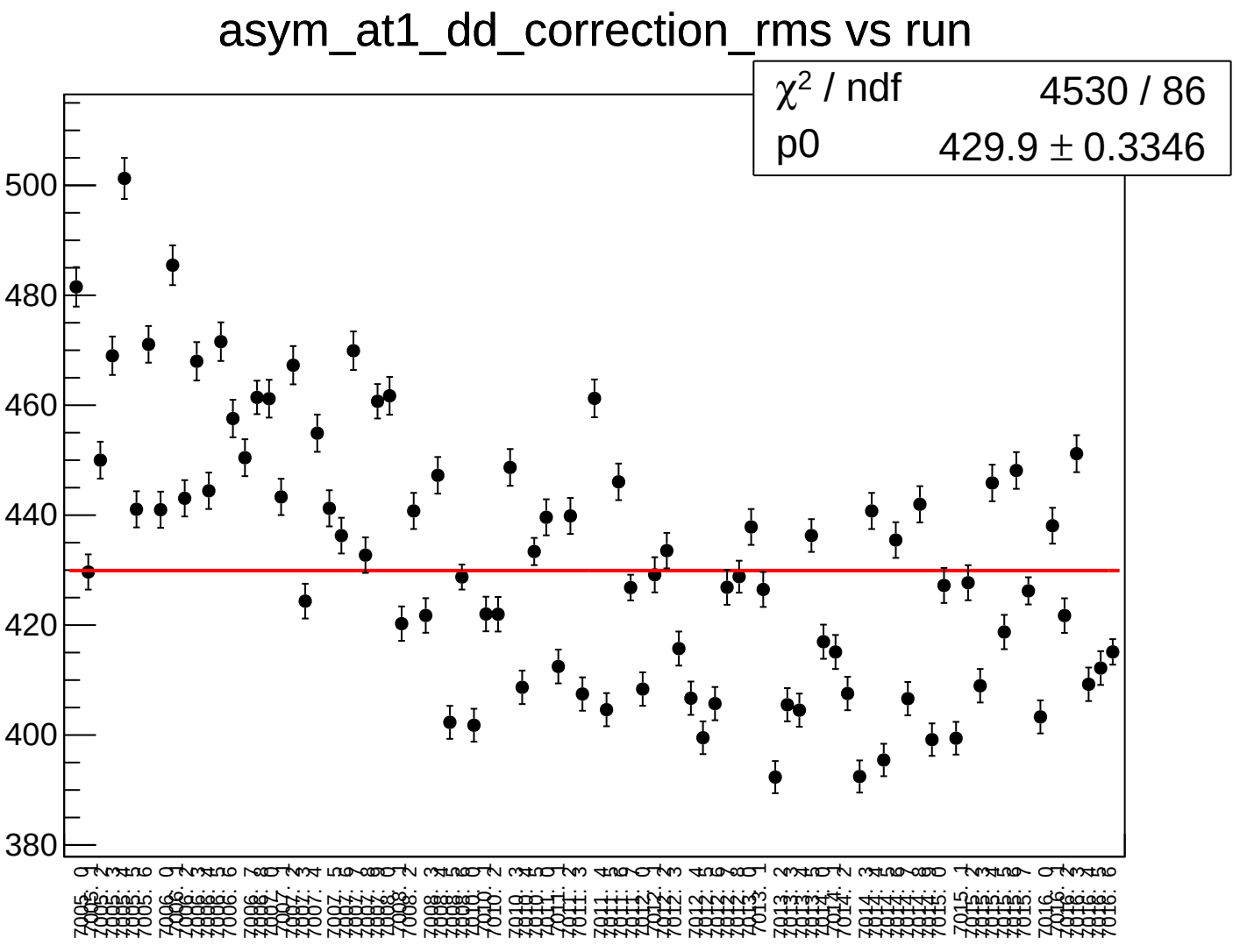

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 65.49 / 86
p0 2201 ± 2028
pull
Entries 87
Mean −116.8
Std Dev 178.5

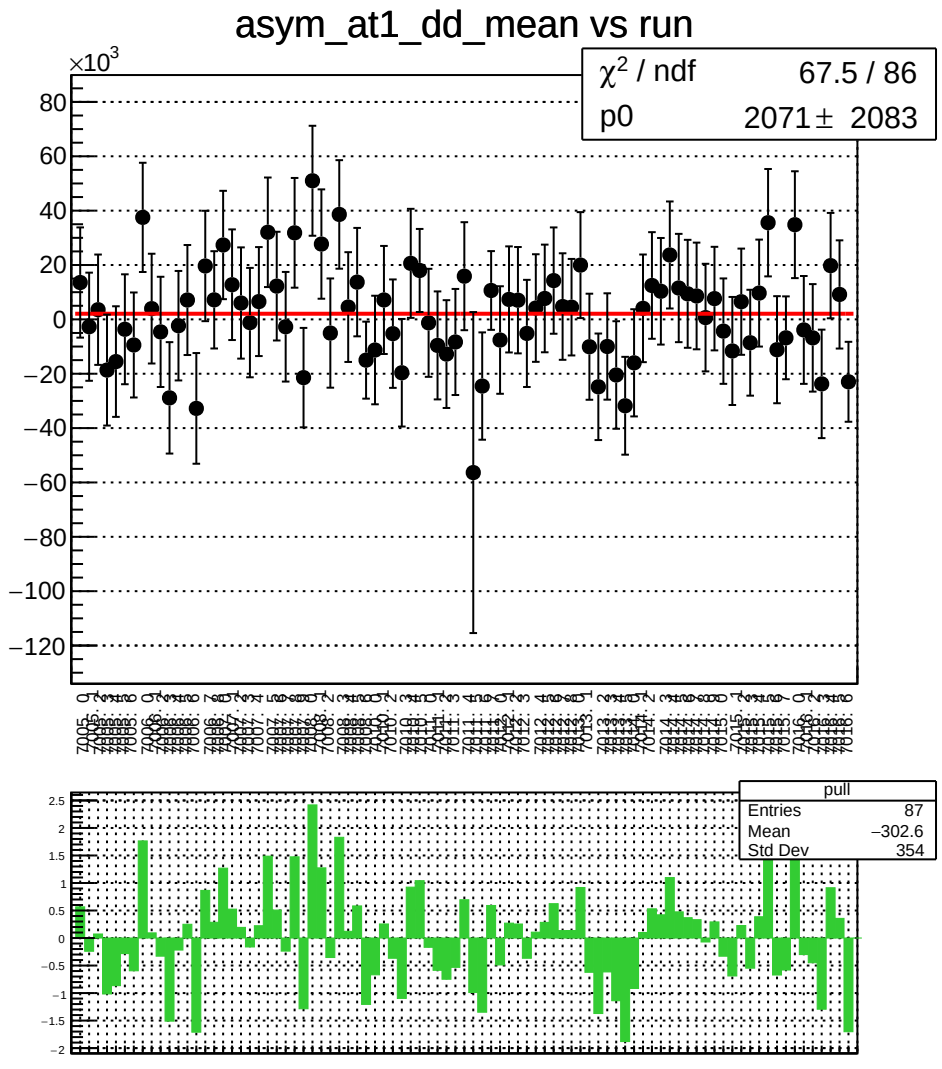

pull1D
Entries 87
Mean 0.00664
Std Dev 0.8676

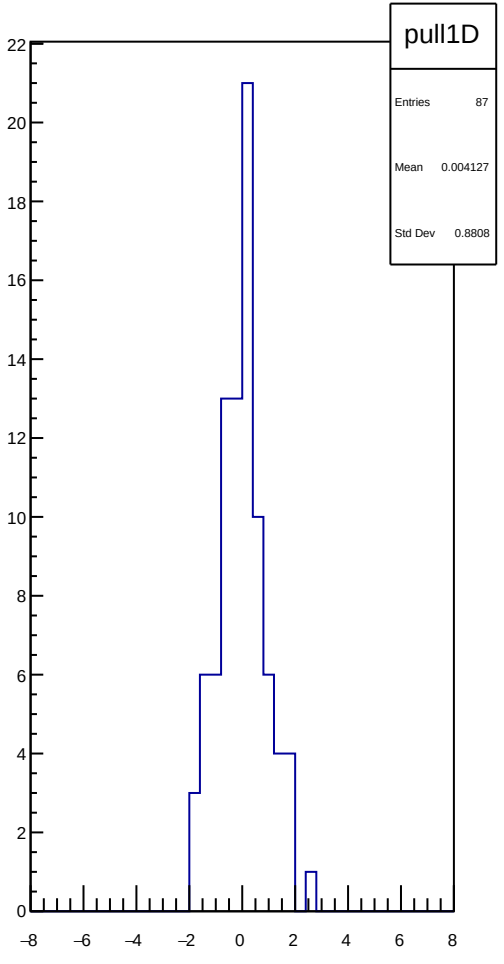

dit_asym_at1_dd_rms vs run
χ² / ndf 8370 / 86
p0 1840 ± 1.434
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

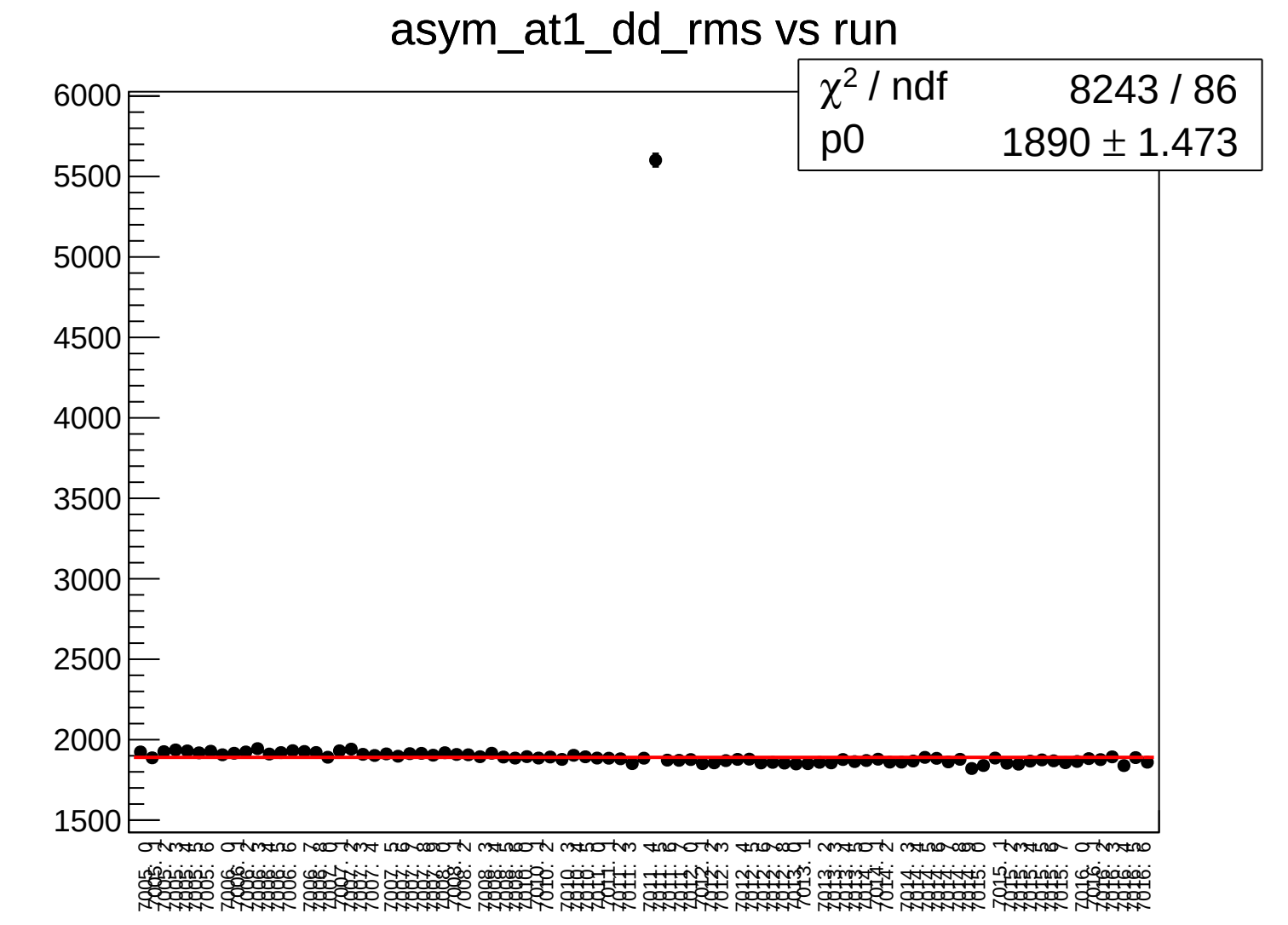

asym_at1_dd_correction_mean vs run
χ² / ndf 79.72 / 86
p0 225.1 ± 473.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 805.6
Std Dev 787.2
2
1
0
−1
−2

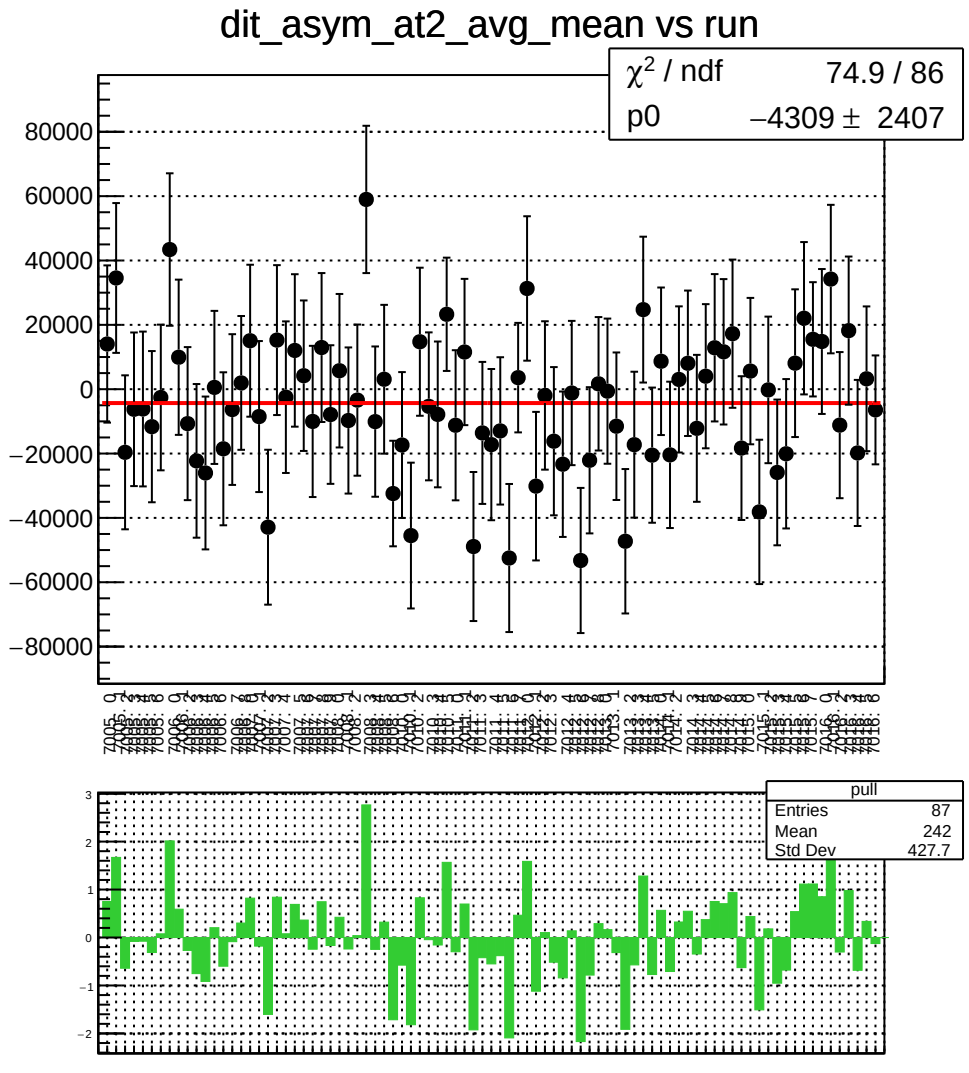

pull1D
Entries 87
Mean 0.002153
Std Dev 0.9572
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

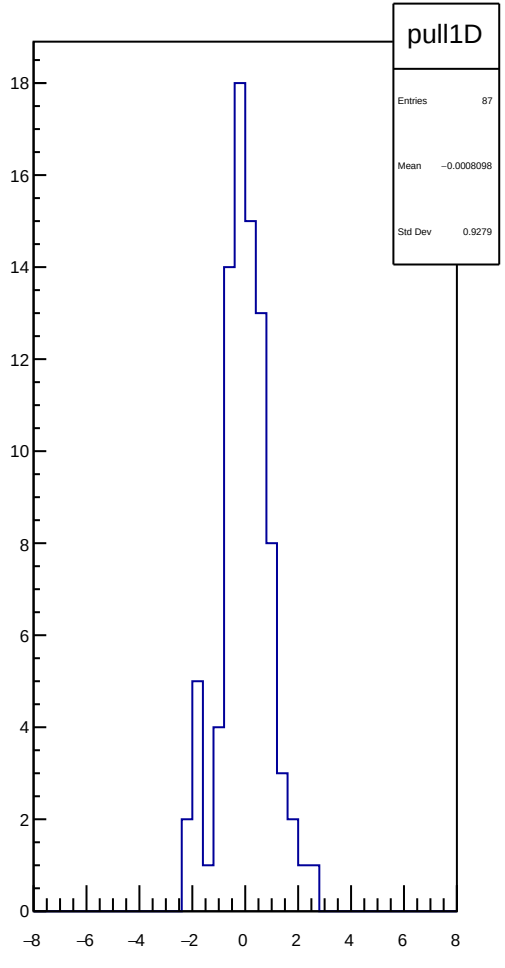

asym_at1_dd_correction_rms vs run
χ² / ndf 4530 / 86
p0 429.9 ± 0.3346
500
480
460
440
420
400
380

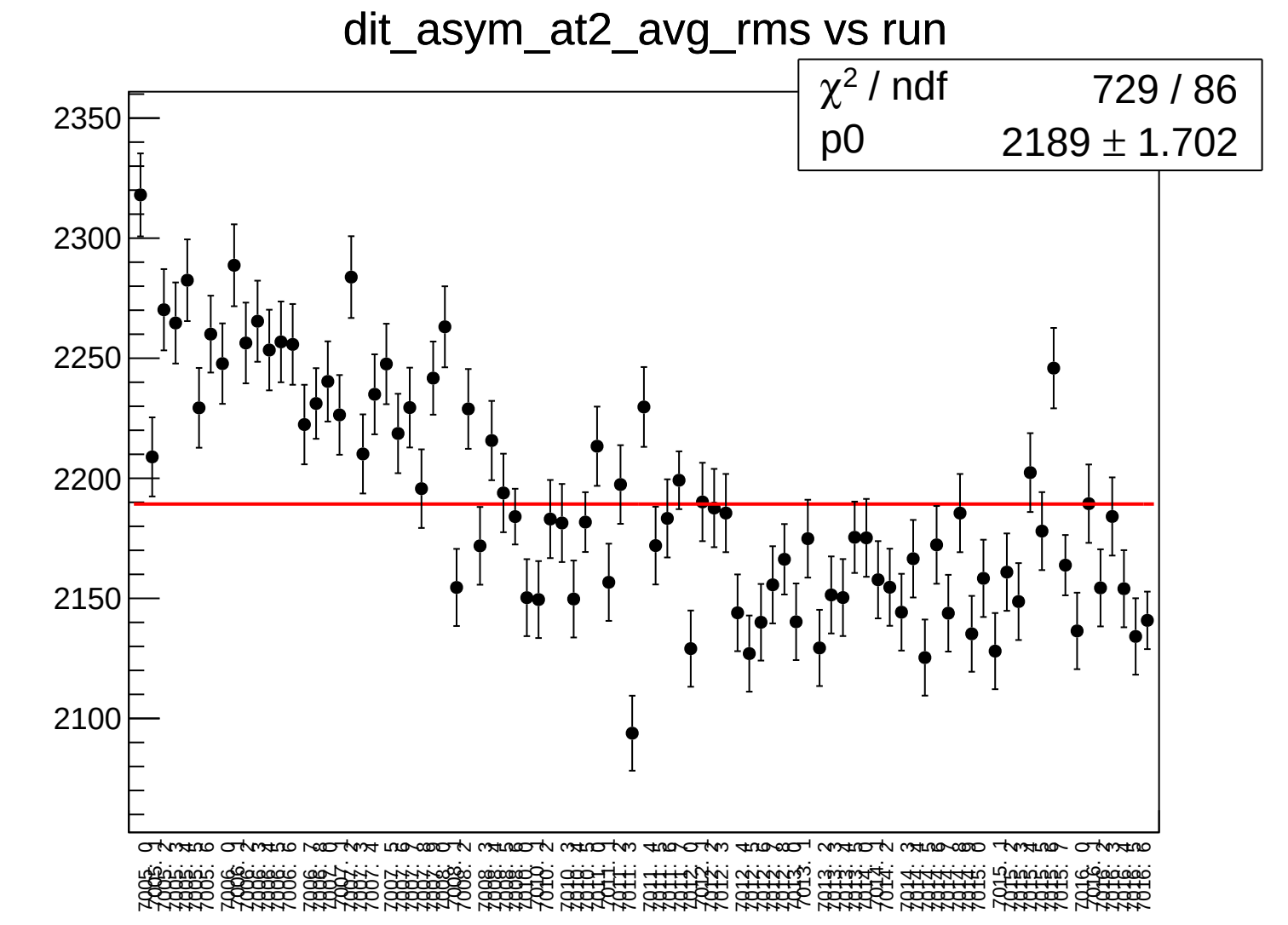

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 67.5 / 86
p0 2071 ± 2083
pull
Entries 87
Mean −302.6
Std Dev 354

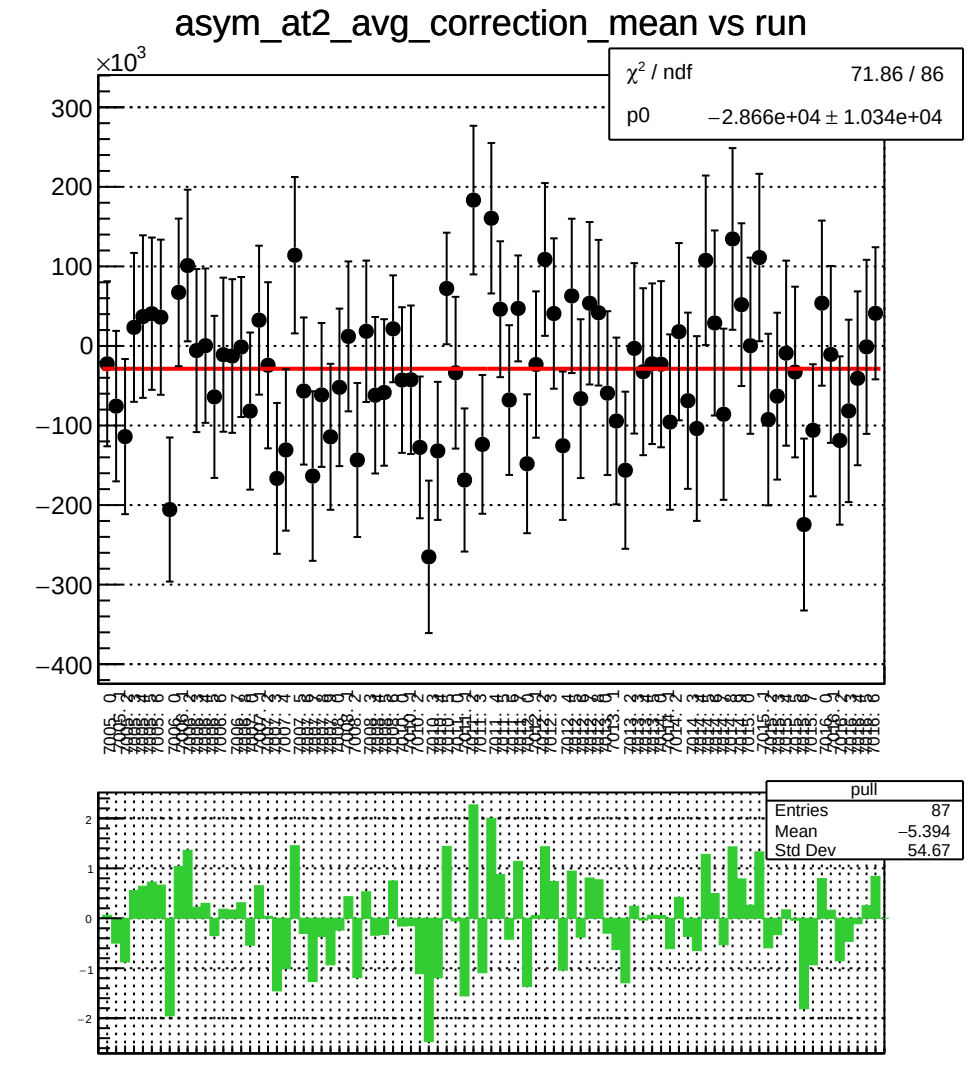

pull1D
Entries 87
Mean 0.004127
Std Dev 0.8808

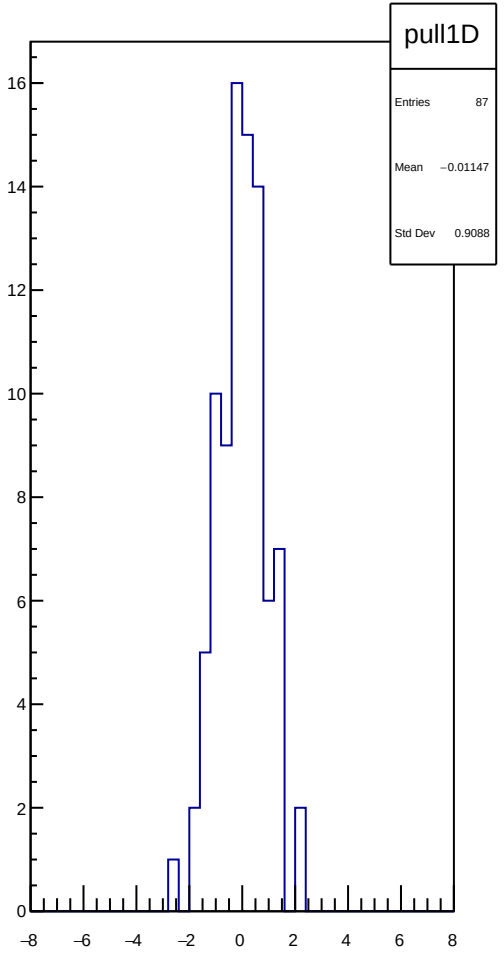

asym_at1_dd_rms vs run
χ^2 / ndf 8243 / 86
p0 1890 ± 1.473
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

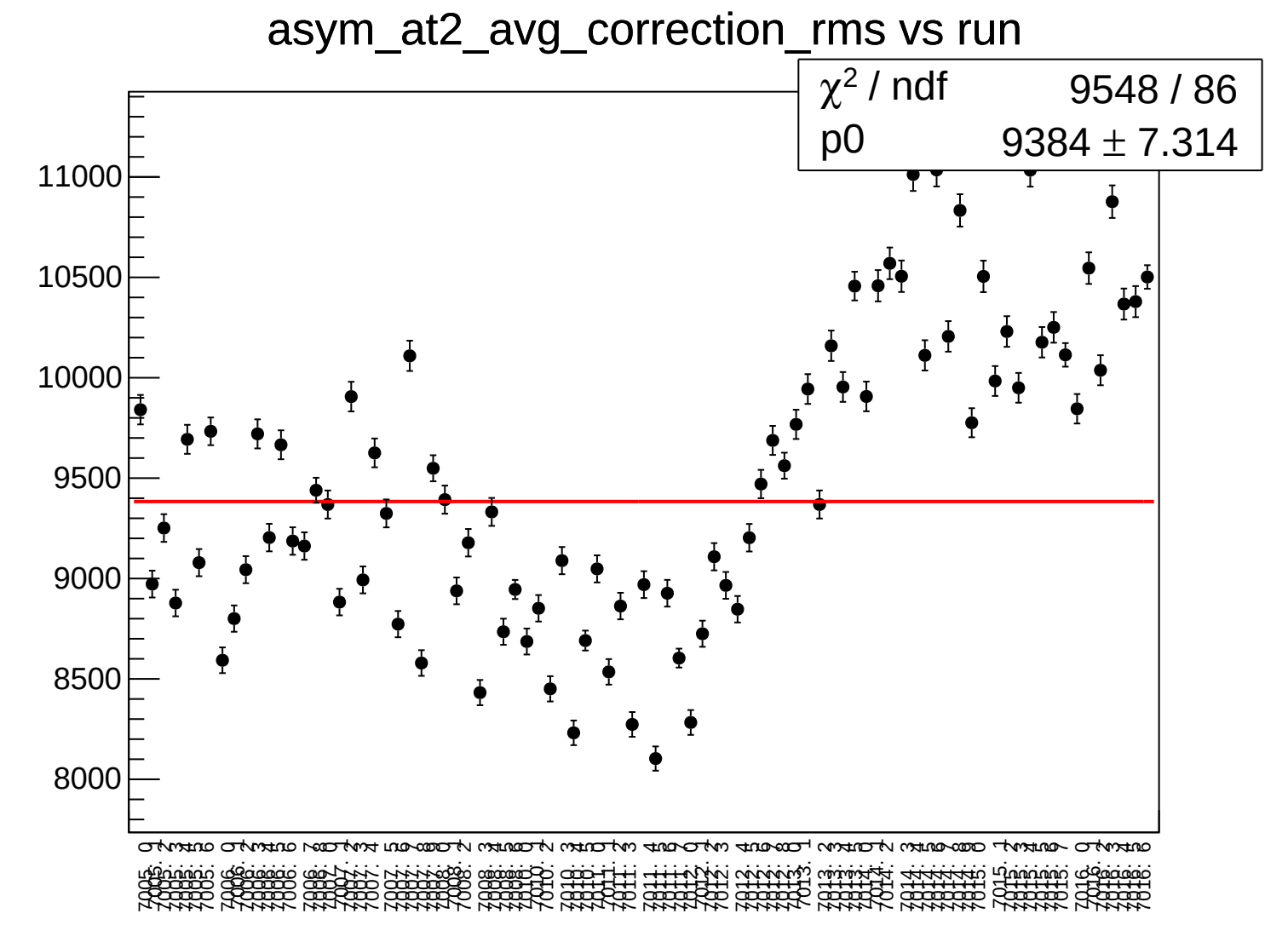

dit_asym_at2_avg_mean vs run
χ² / ndf 74.9 / 86
p0 −4309 ± 2407
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 242
Std Dev 427.7
3
2
1
0
−1
−2

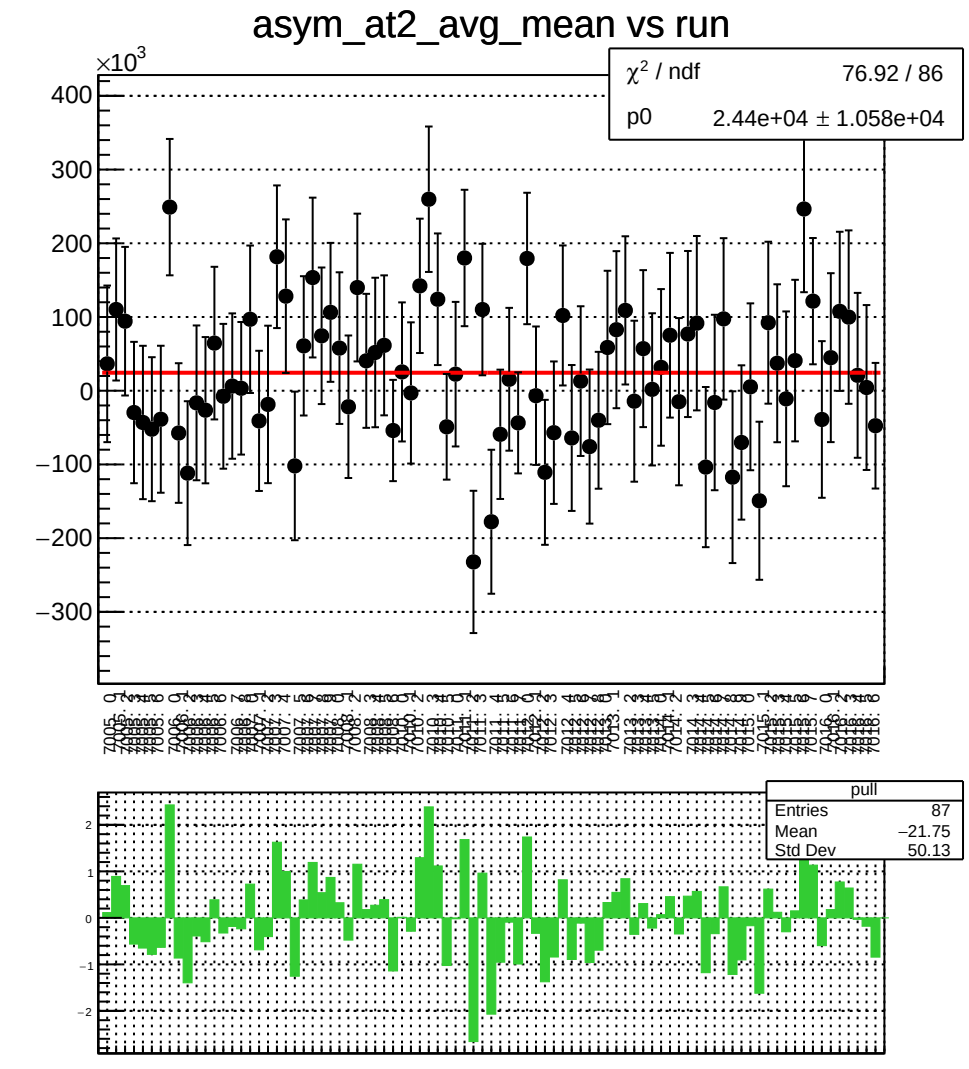

pull1D
Entries 87
Mean −0.0008098
Std Dev 0.9279
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

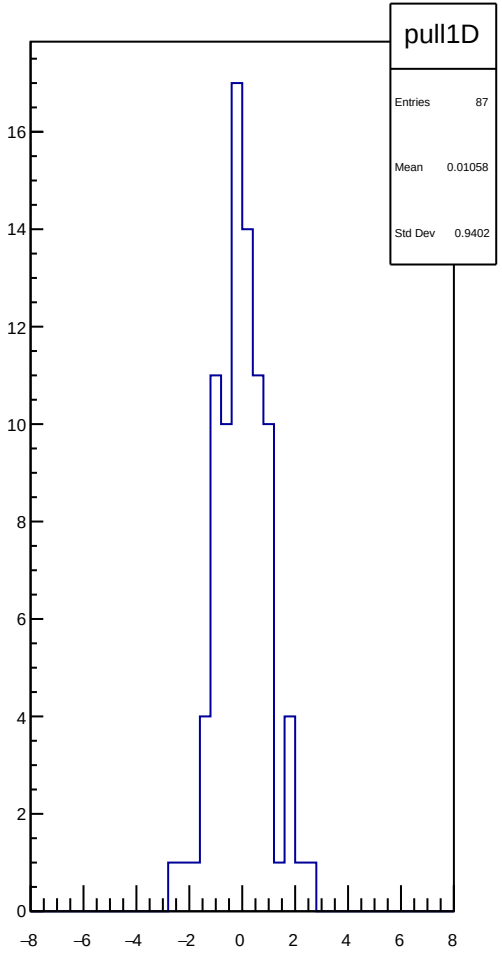

dit_asym_at2_avg_rms vs run
χ^2 / ndf 729 / 86
p0 2189 ± 1.702
2350
2300
2250
2200
2150
2100

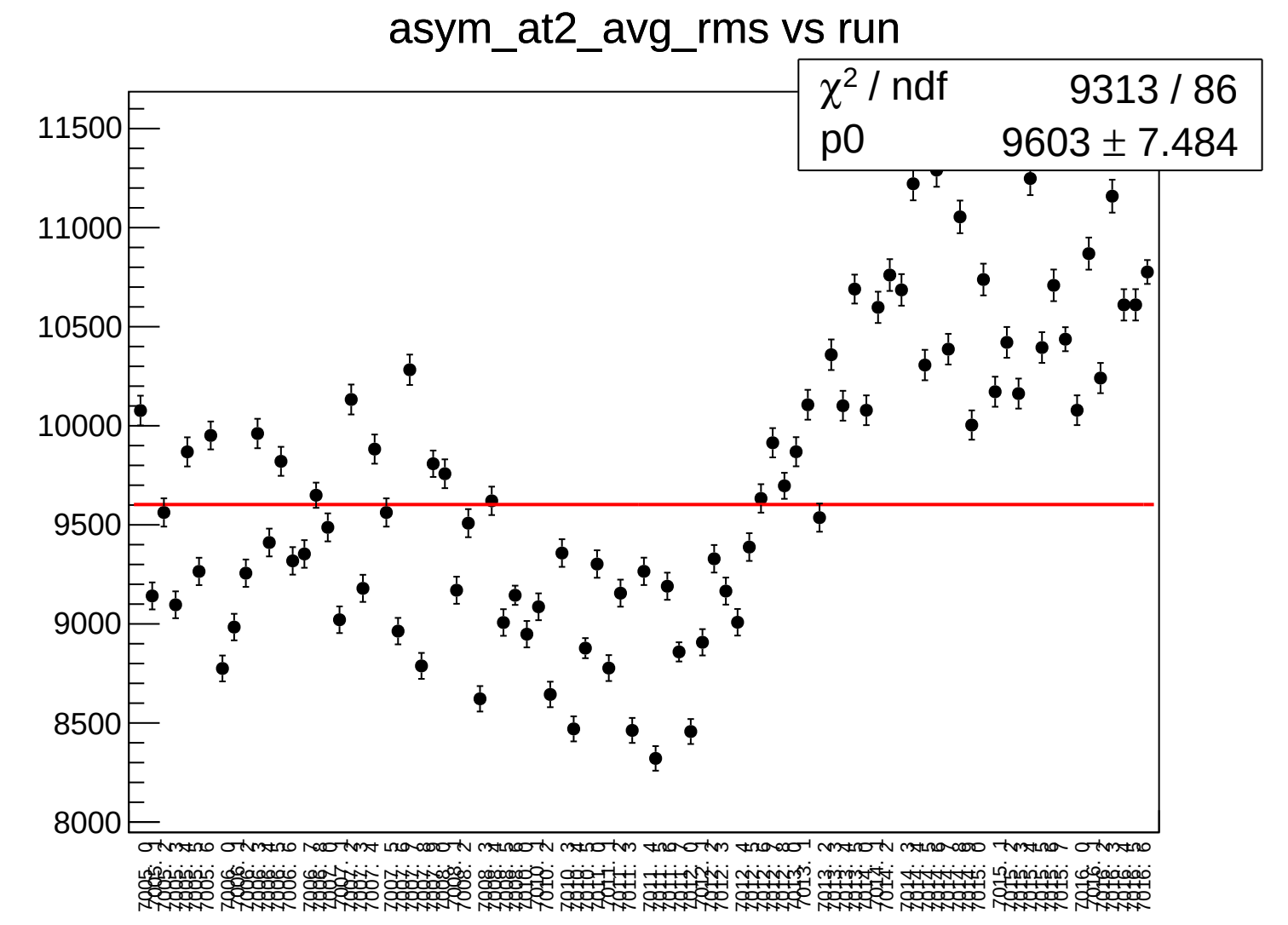

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 71.86 / 86
p0 −2.866e+04 ± 1.034e+04
pull
Entries 87
Mean −5.394
Std Dev 54.67

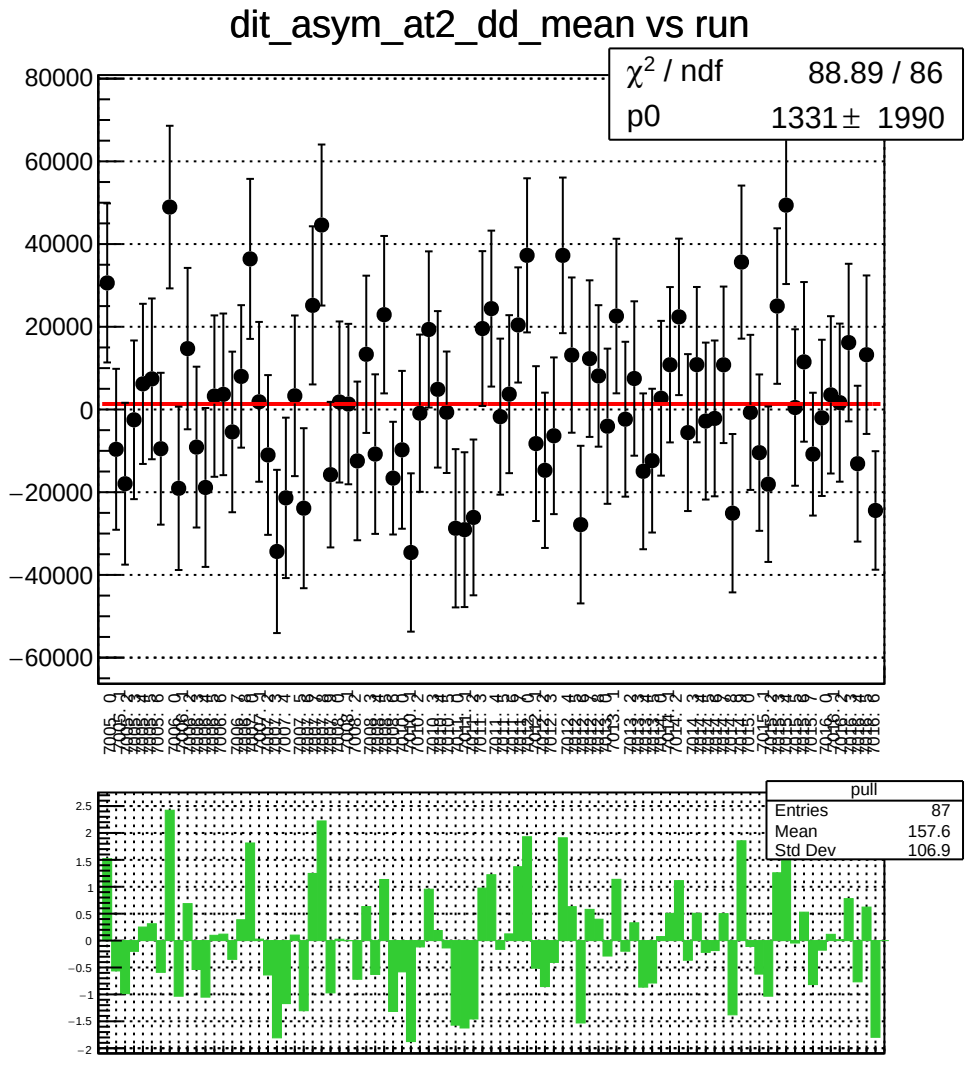

pull1D
Entries 87
Mean −0.01147
Std Dev 0.9088

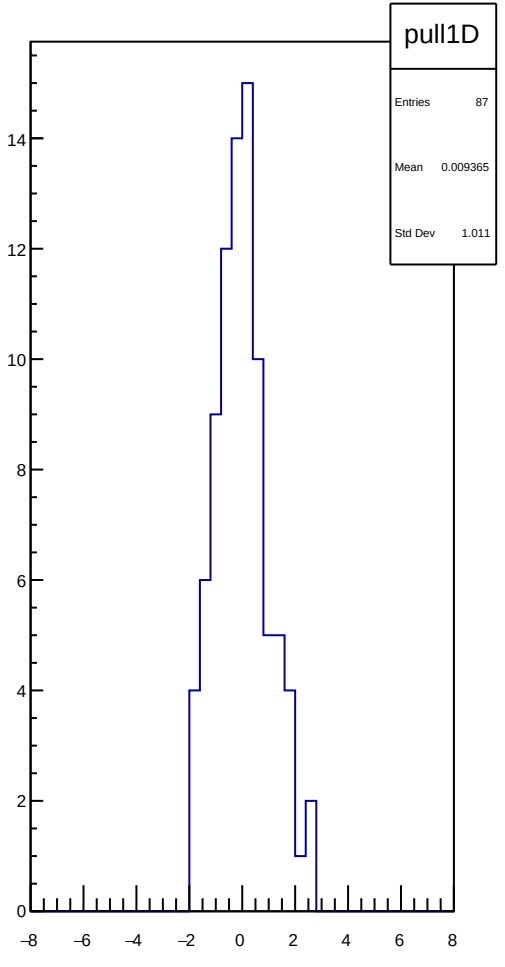

asym_at2_avg_correction_rms vs run
χ² / ndf 9548 / 86
p0 9384 ± 7.314
11000
10500
10000
9500
9000
8500
8000

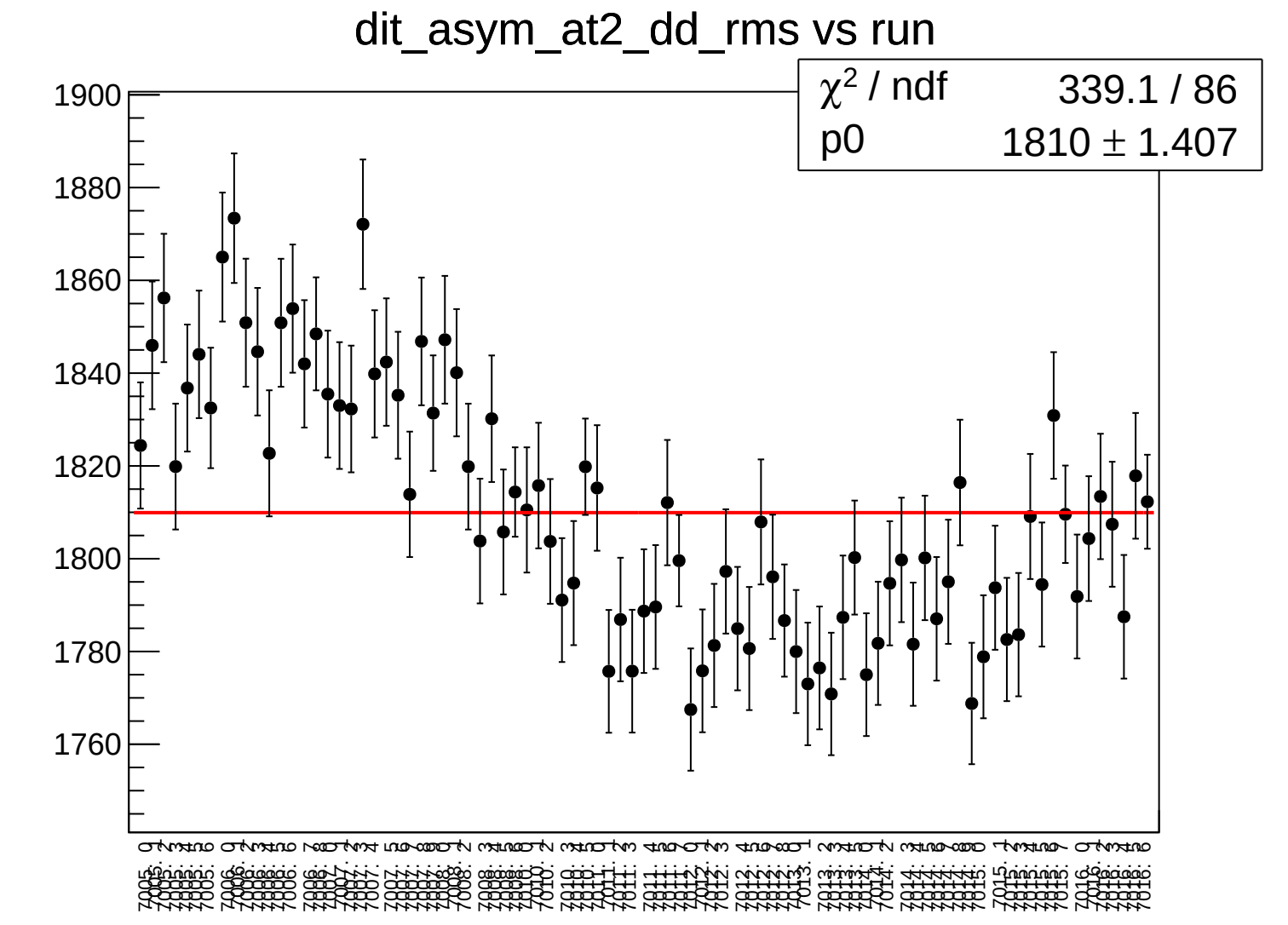

asym_at2_avg_mean vs run
×10^3
χ² / ndf 76.92 / 86
p0 2.44e+04 ± 1.058e+04
pull
Entries 87
Mean −21.75
Std Dev 50.13

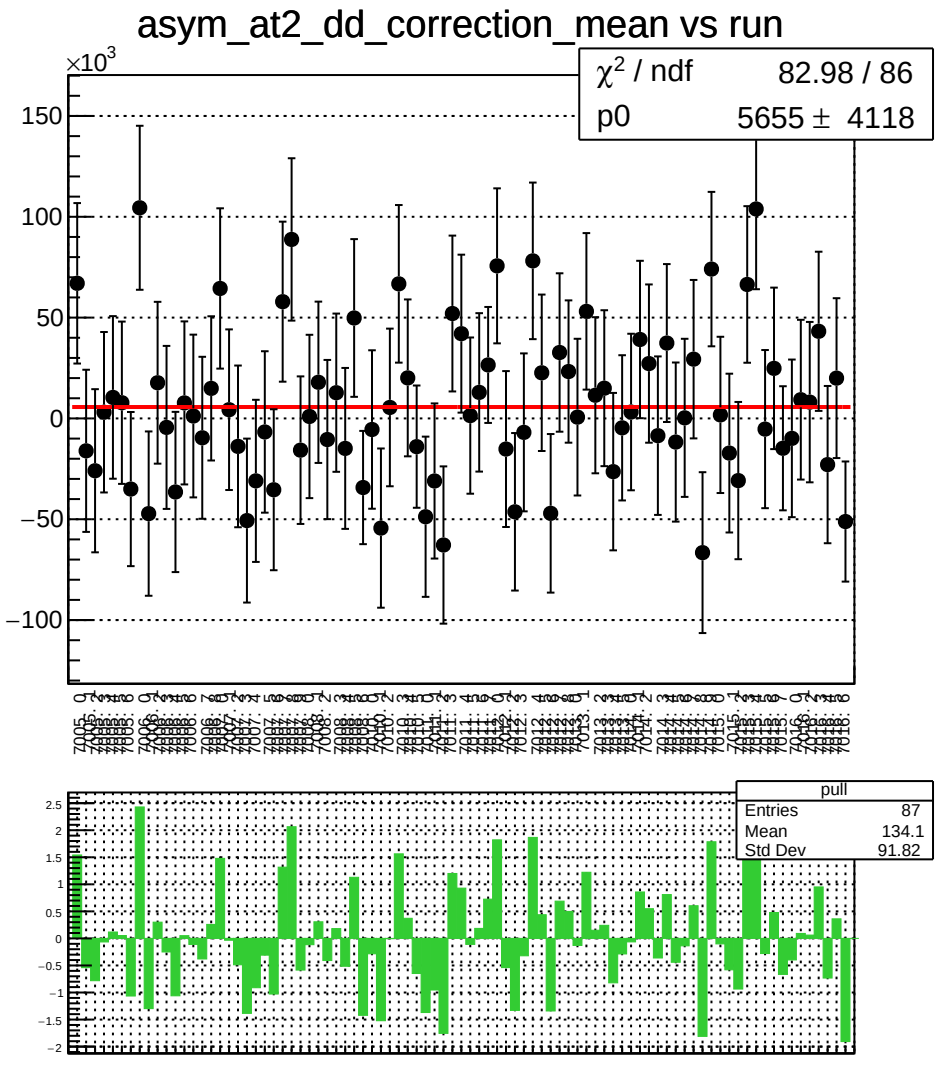

pull1D
Entries 87
Mean 0.01058
Std Dev 0.9402

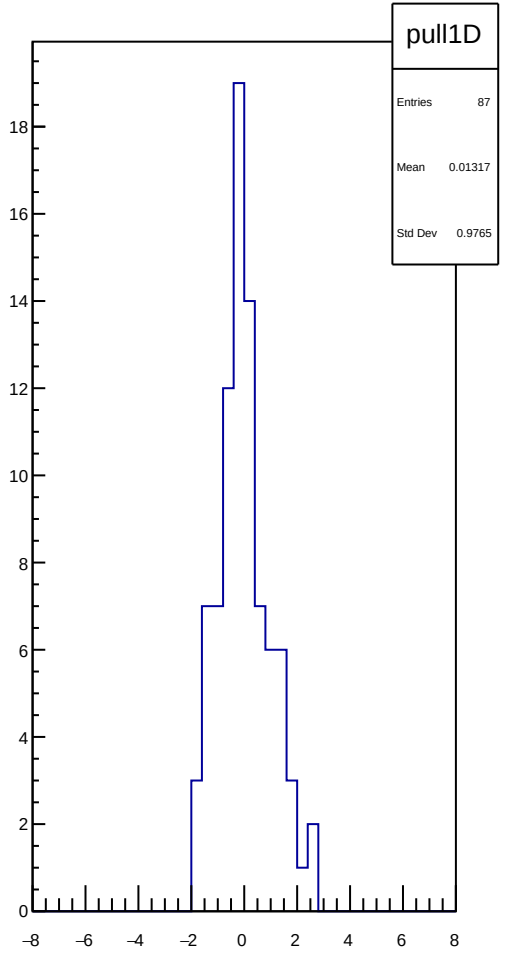

asym_at2_avg_rms vs run
χ^2 / ndf 9313 / 86
p0 9603 ± 7.484
11500
11000
10500
10000
9500
9000
8500
8000

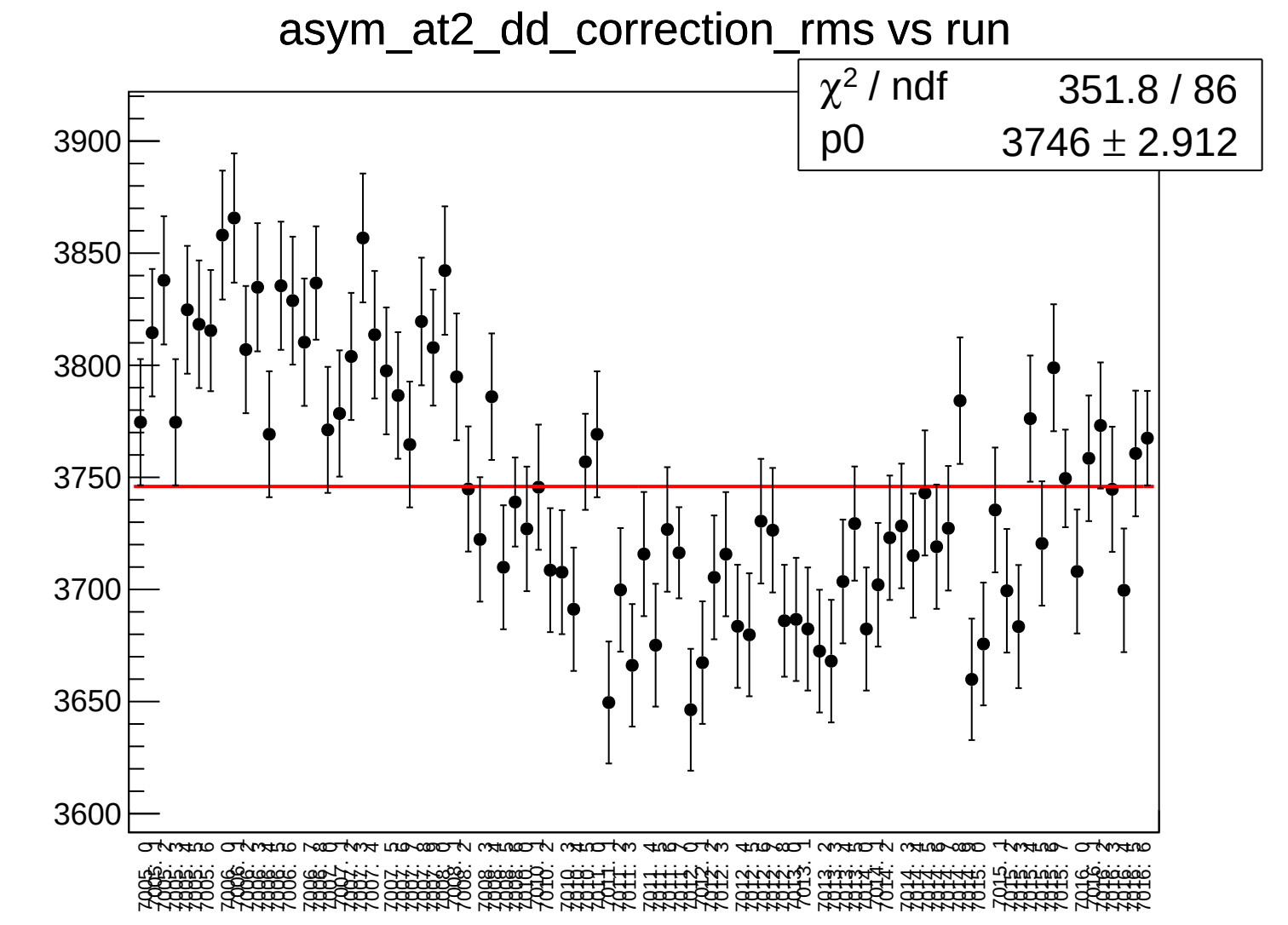

dit_asym_at2_dd_mean vs run
χ² / ndf 88.89 / 86
p0 1331 ± 1990
pull
Entries 87
Mean 157.6
Std Dev 106.9

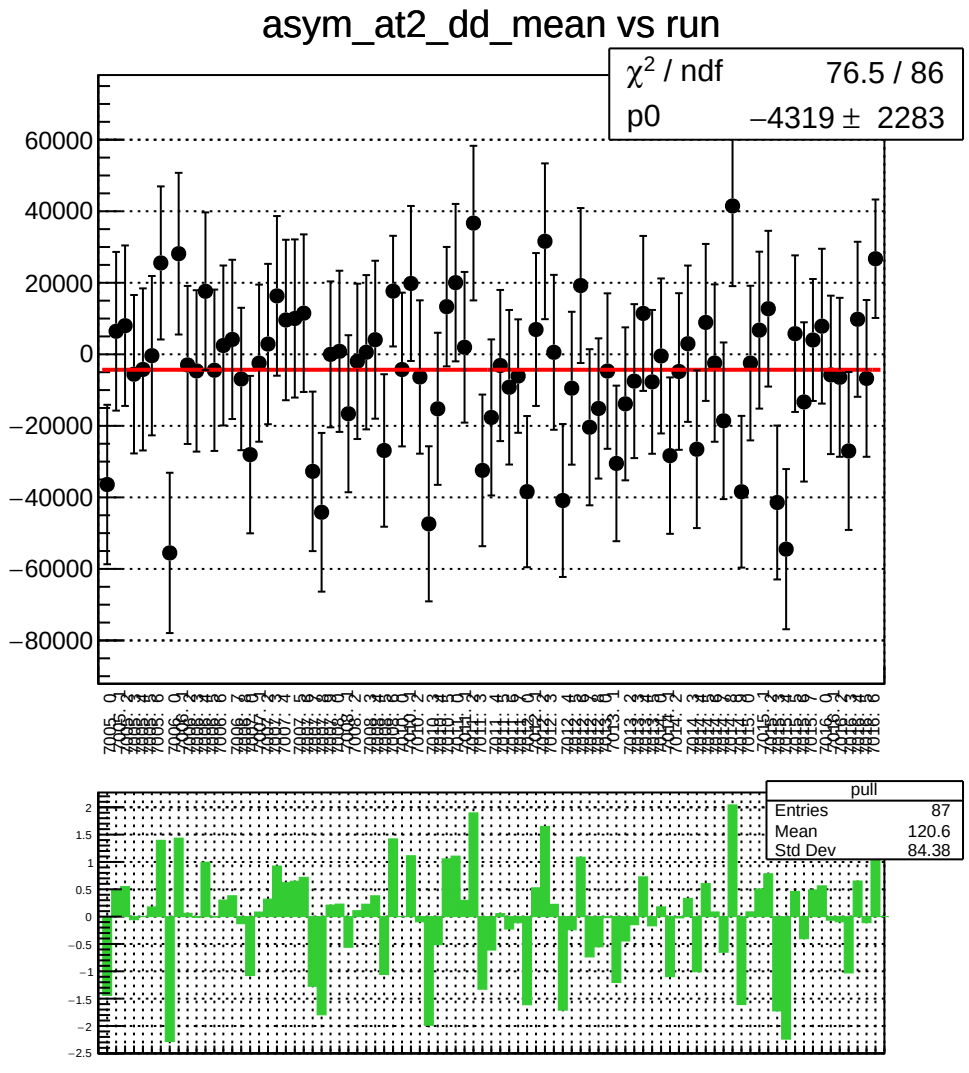

pull1D
Entries 87
Mean 0.009365
Std Dev 1.011

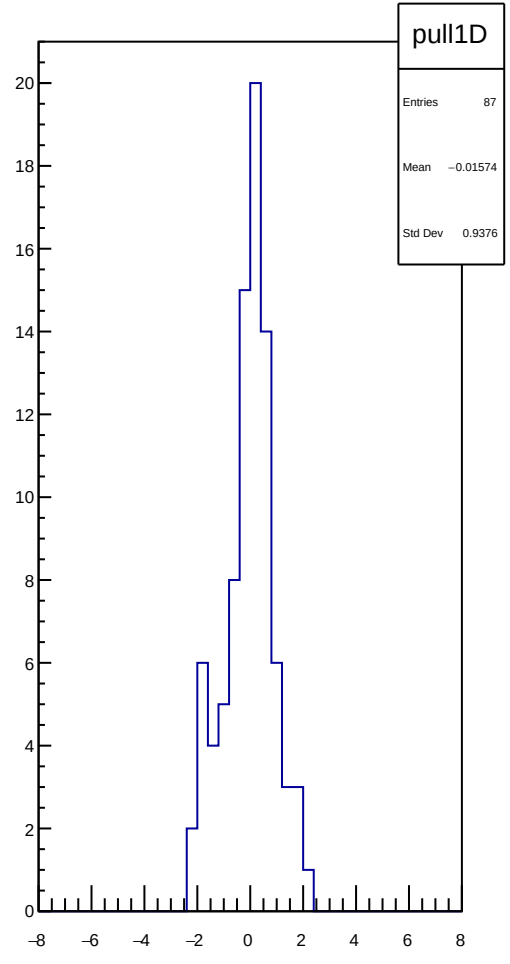

dit_asym_at2_dd_rms vs run
χ² / ndf 339.1 / 86
p0 1810 ± 1.407
1900
1880
1860
1840
1820
1800
1780
1760

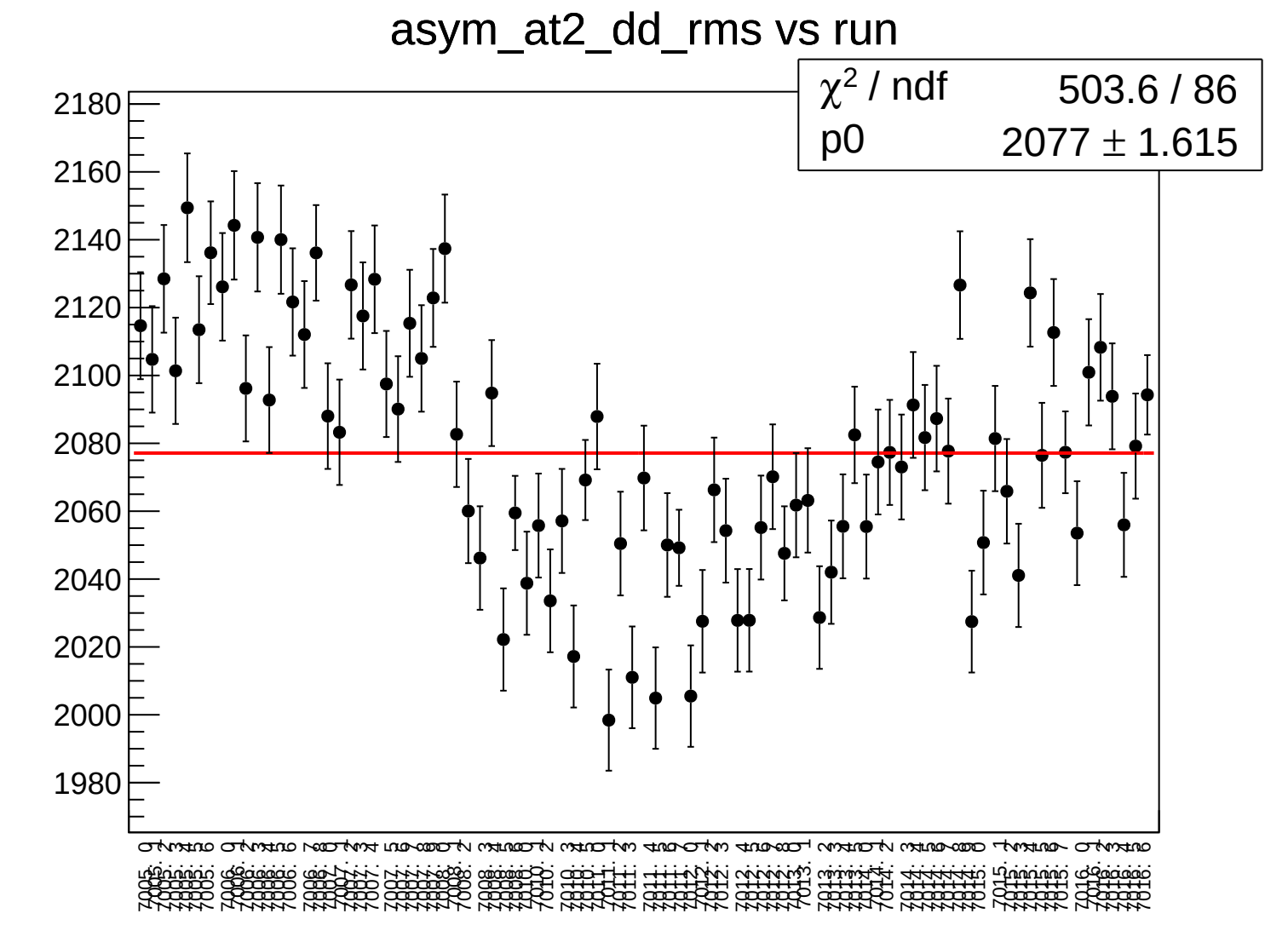

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 82.98 / 86
p0 5655 ± 4118
150
100
50
0
−50
−100
pull
Entries 87
Mean 134.1
Std Dev 91.82
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

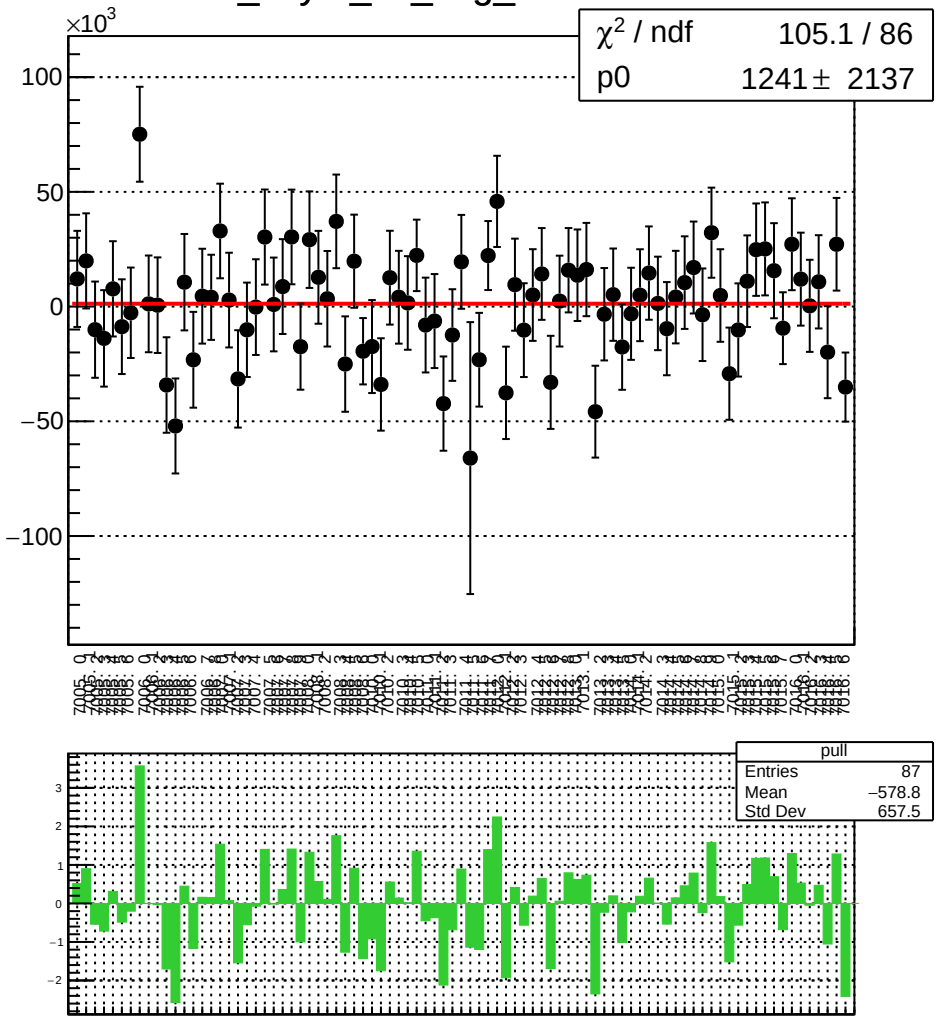

pull1D
Entries 87
Mean 0.01317
Std Dev 0.9765
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

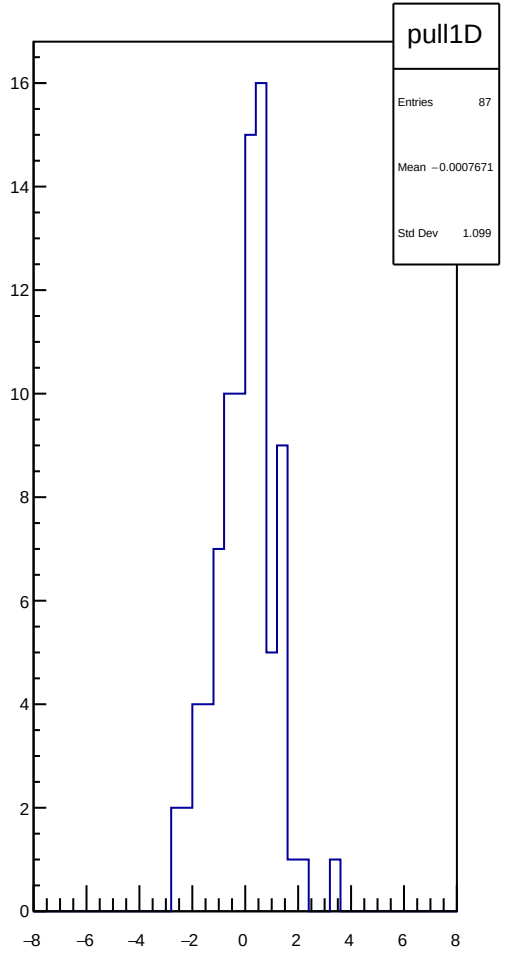

asym_at2_dd_correction_rms vs run
χ² / ndf 351.8 / 86
p0 3746 ± 2.912
3900
3850
3800
3750
3700
3650
3600

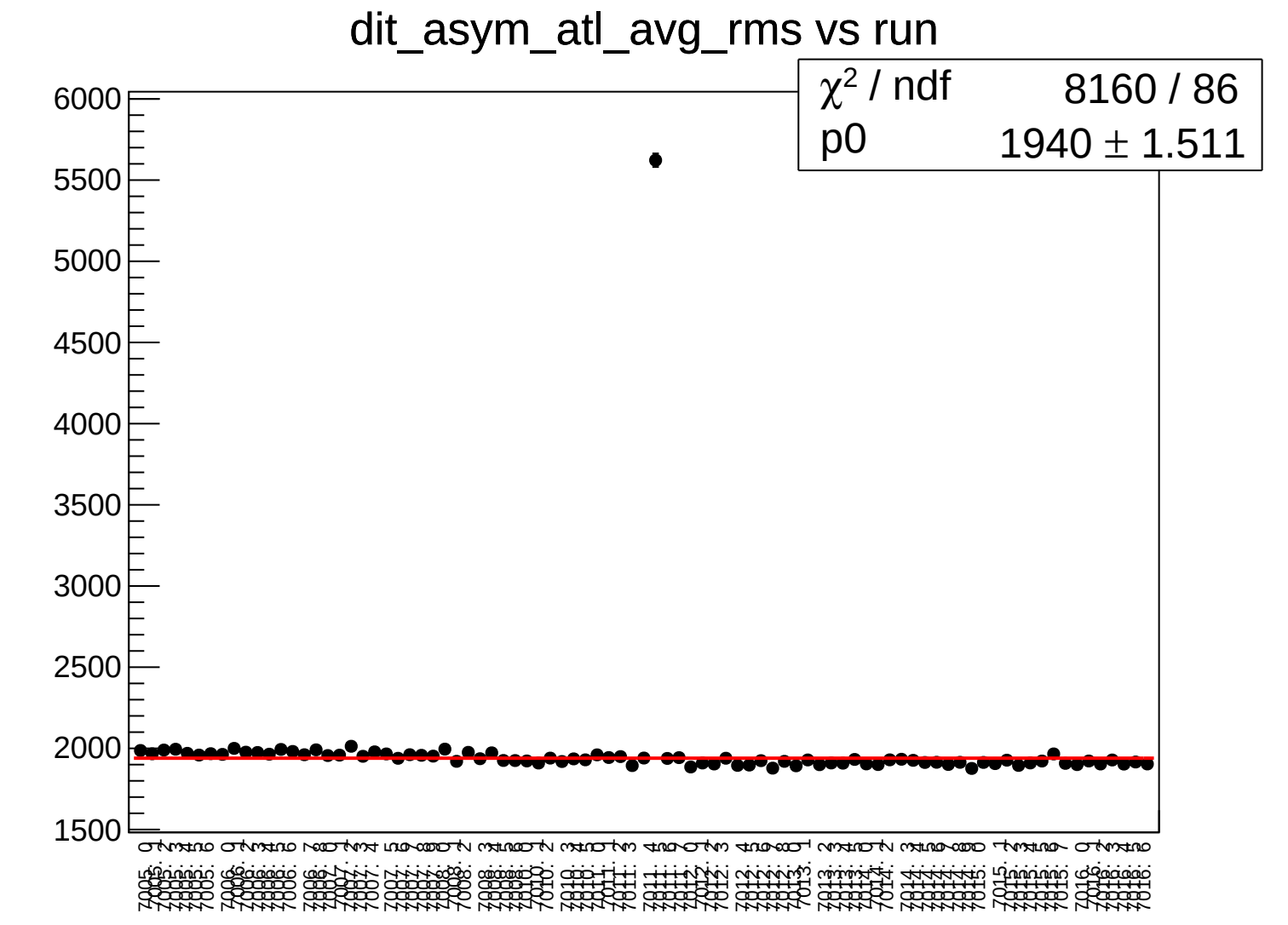

asym_at2_dd_mean vs run
χ² / ndf 76.5 / 86
p0 −4319 ± 2283
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean 120.6
Std Dev 84.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

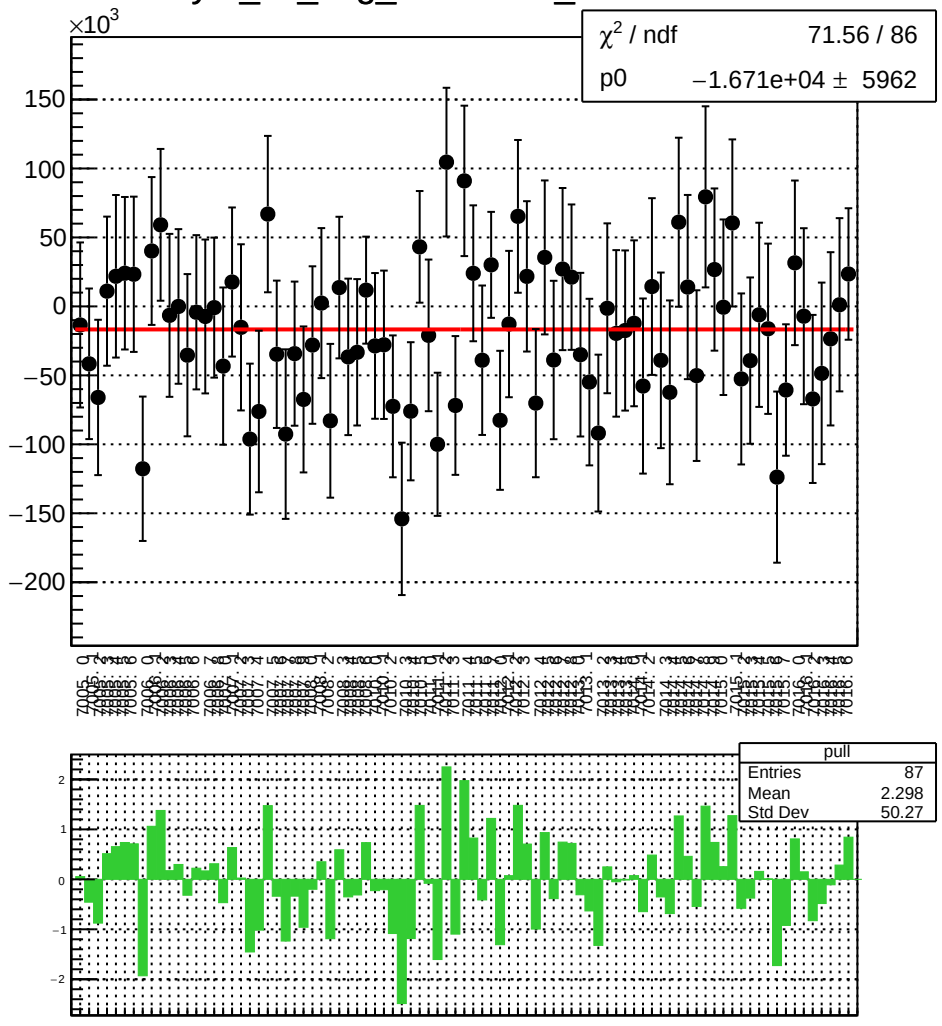

pull1D
Entries 87
Mean −0.01574
Std Dev 0.9376
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

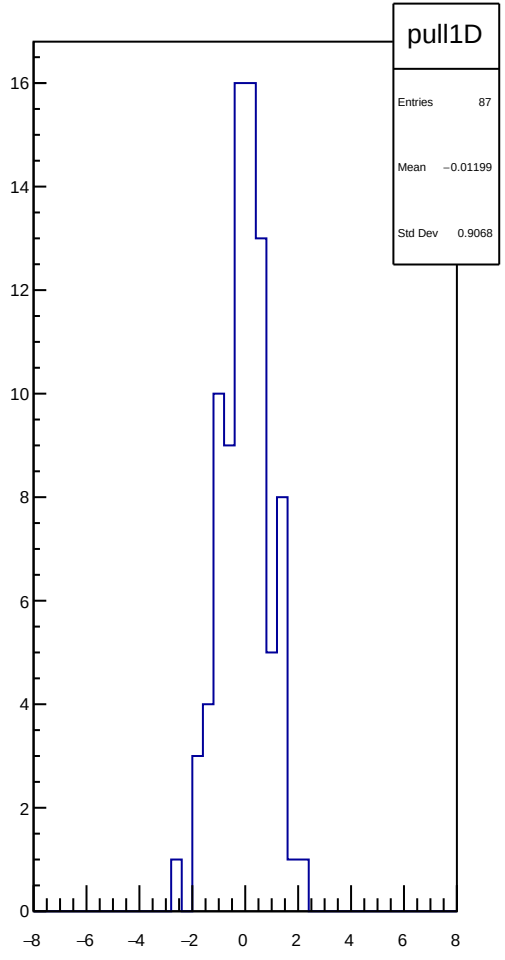

asym_at2_dd_rms vs run
χ² / ndf 503.6 / 86
p0 2077 ± 1.615
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980

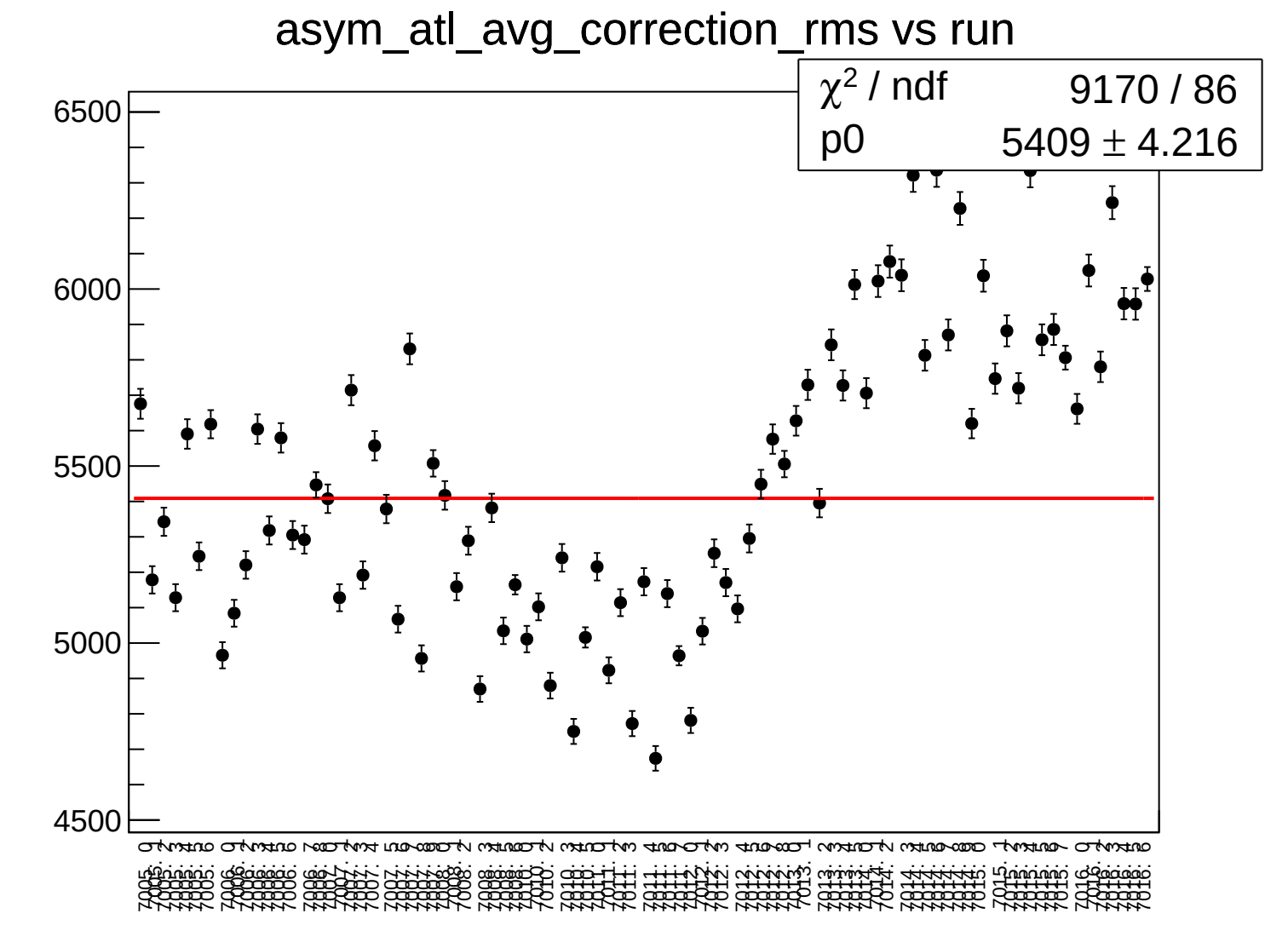

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 105.1 / 86
p0 1241 ± 2137
100
50
0
−50
−100
pull
Entries 87
Mean −578.8
Std Dev 657.5
3
2
1
0
−1
−2

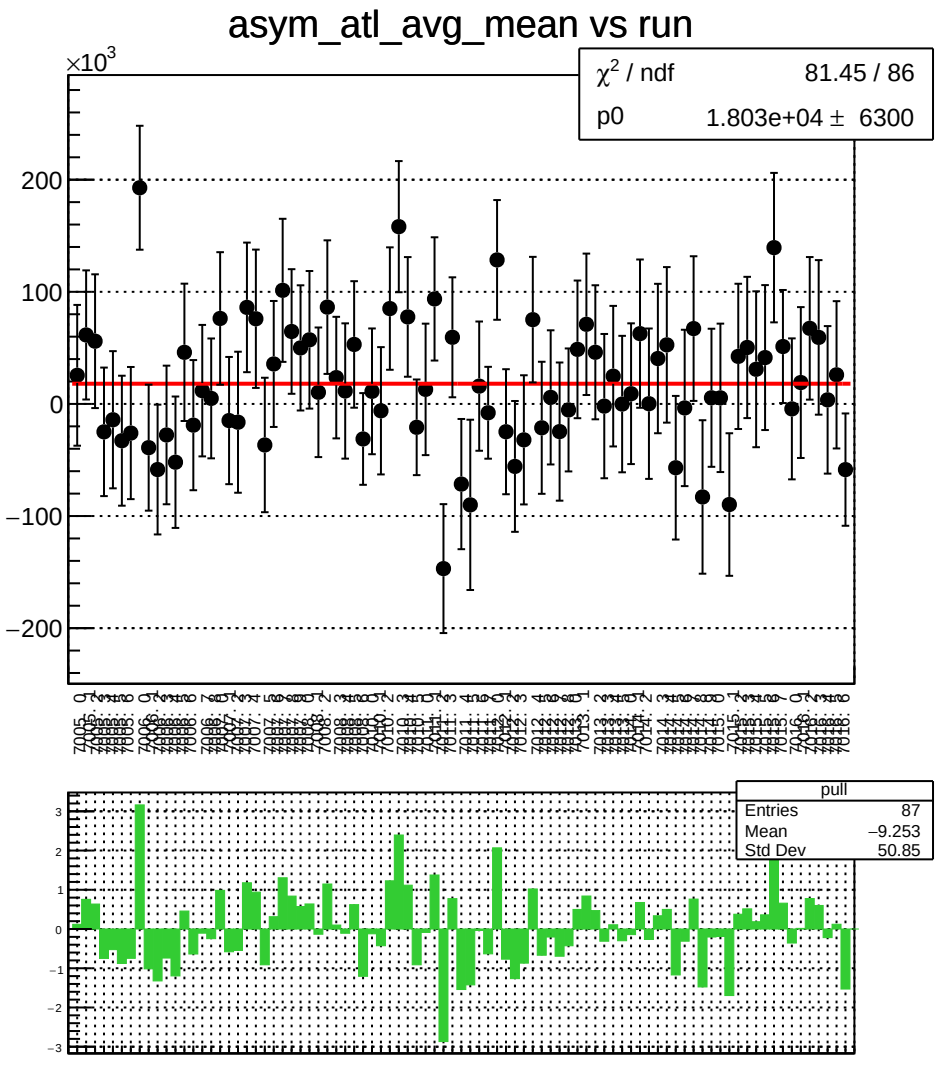

pull1D
Entries 87
Mean −0.0007671
Std Dev 1.099
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

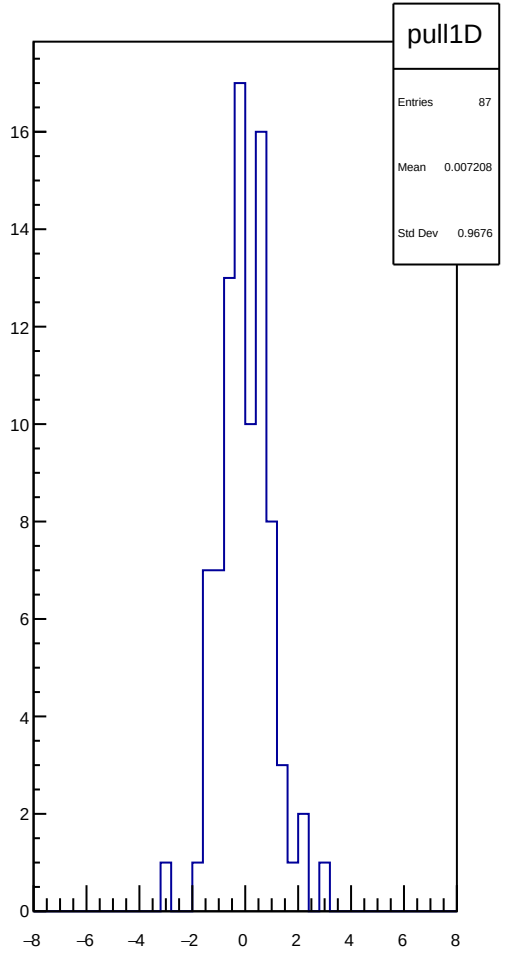

dit_asym_atl_avg_rms vs run
χ² / ndf 8160 / 86
p0 1940 ± 1.511
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

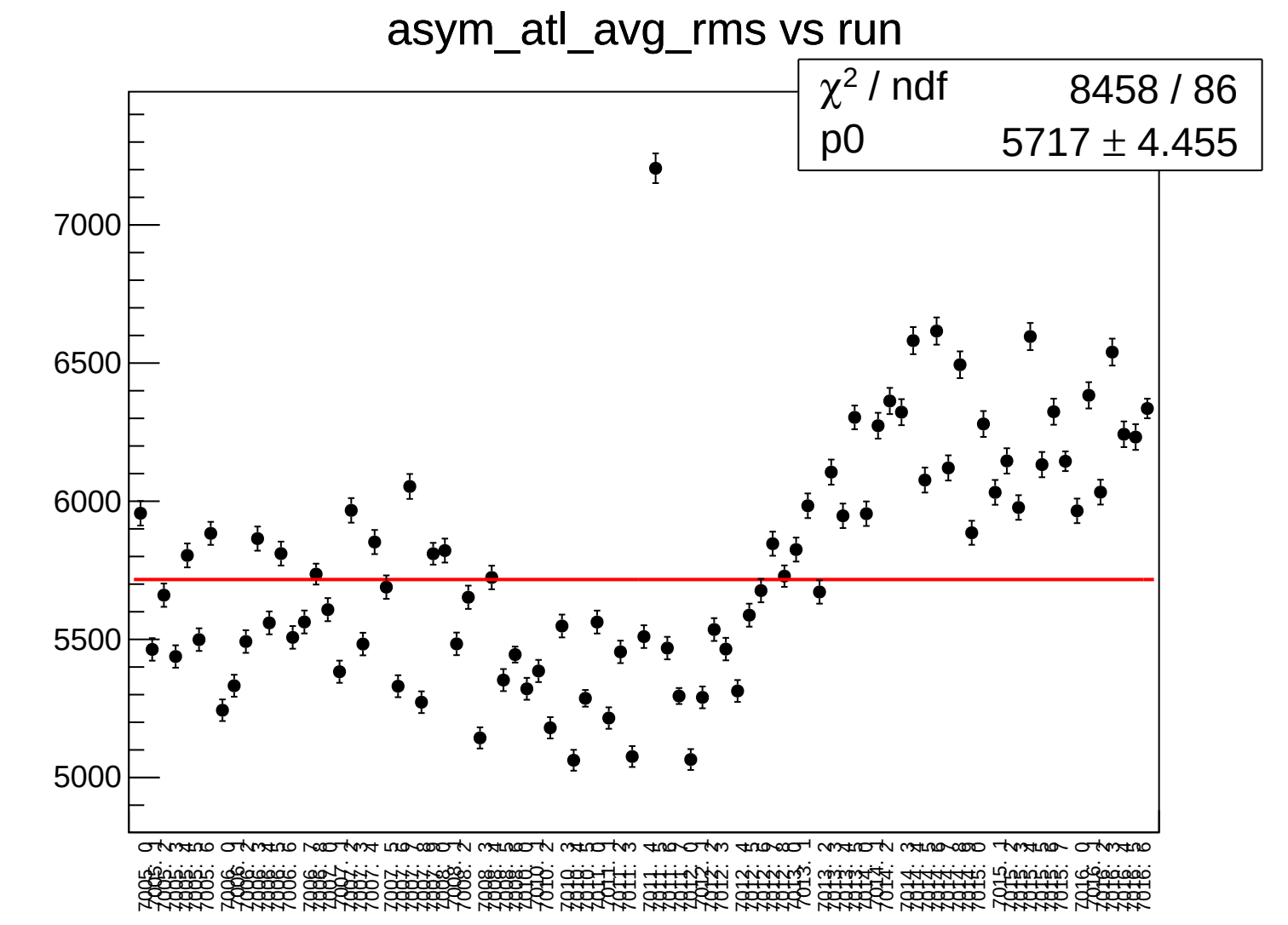

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 71.56 / 86
p0 −1.671e+04 ± 5962
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean 2.298
Std Dev 50.27
2
1
0
−1
−2

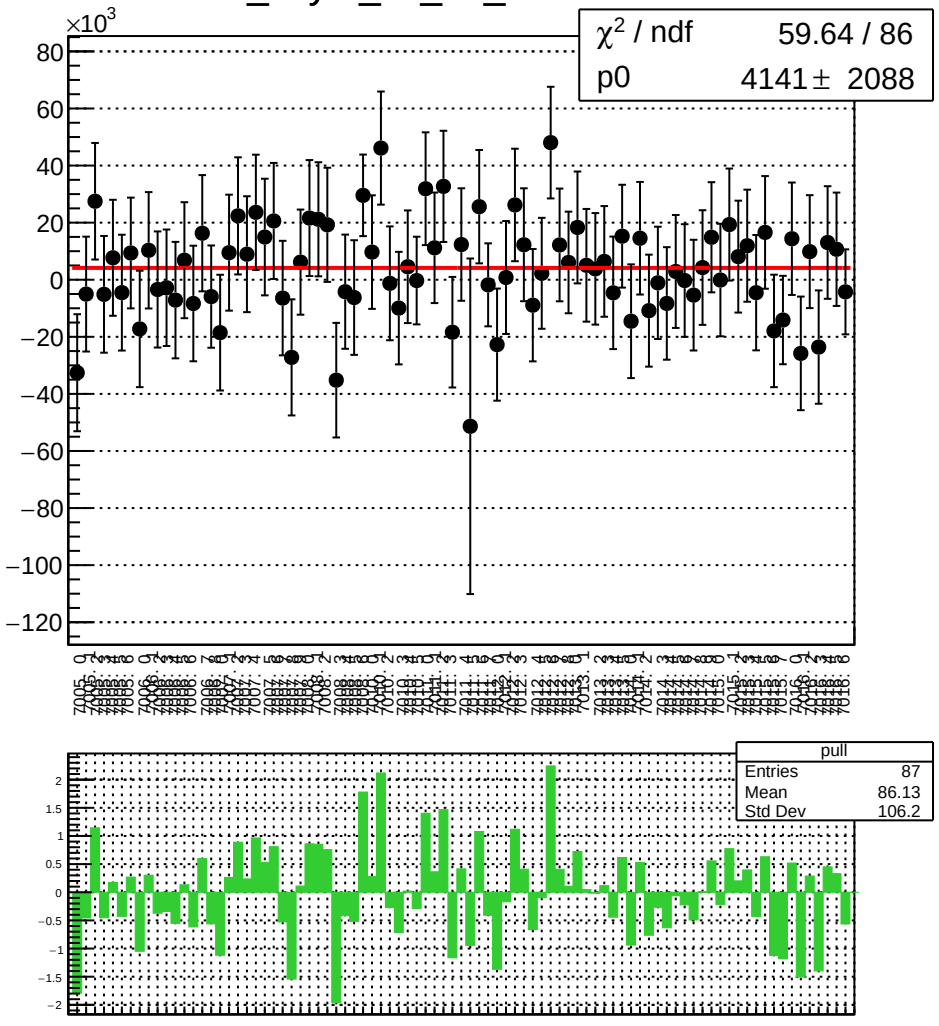

pull1D
Entries 87
Mean −0.01199
Std Dev 0.9068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

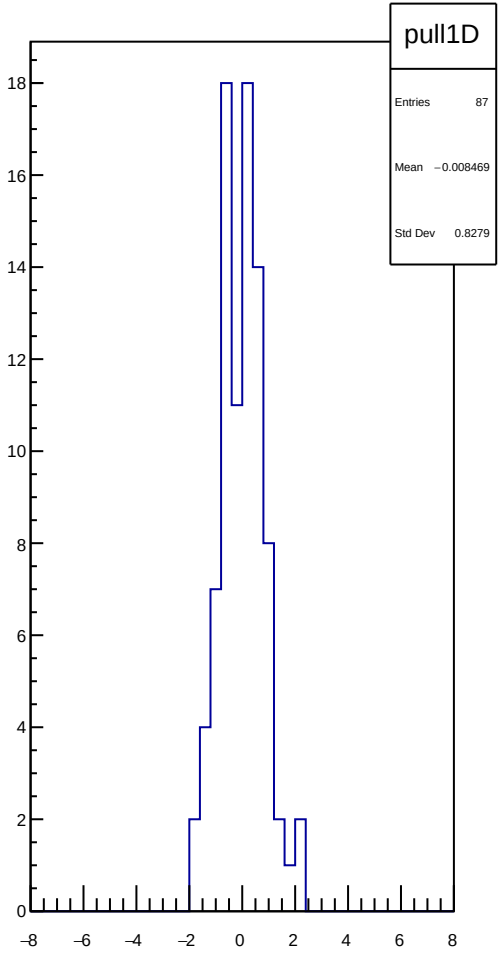

asym_atl_avg_correction_rms vs run
χ² / ndf 9170 / 86
p0 5409 ± 4.216
6500
6000
5500
5000
4500

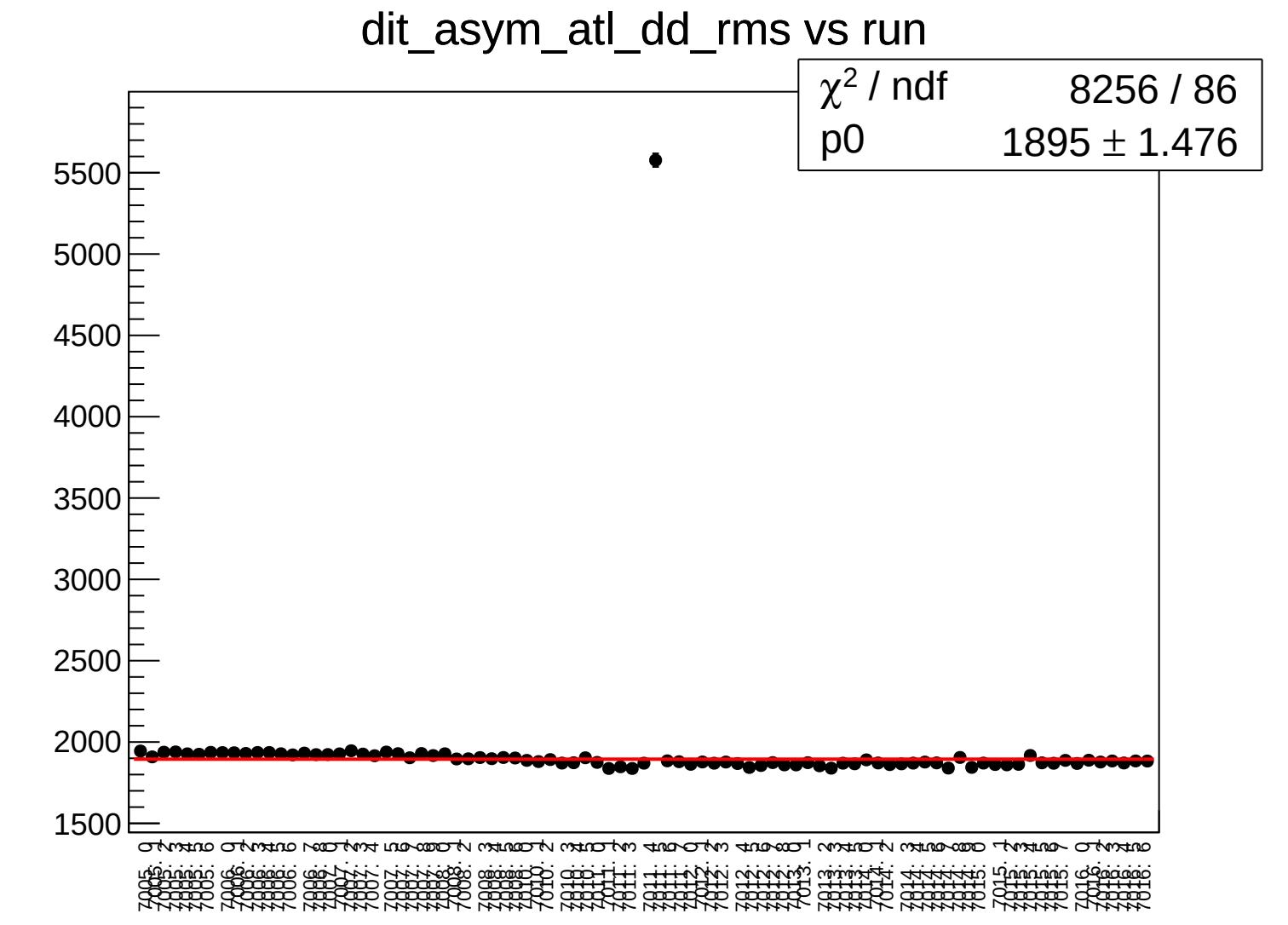

asym_atl_avg_mean vs run
×10^3
χ² / ndf 81.45 / 86
p0 1.803e+04 ± 6300
200
100
0
−100
−200
pull
Entries 87
Mean −9.253
Std Dev 50.85
3
2
1
0
−1
−2
−3

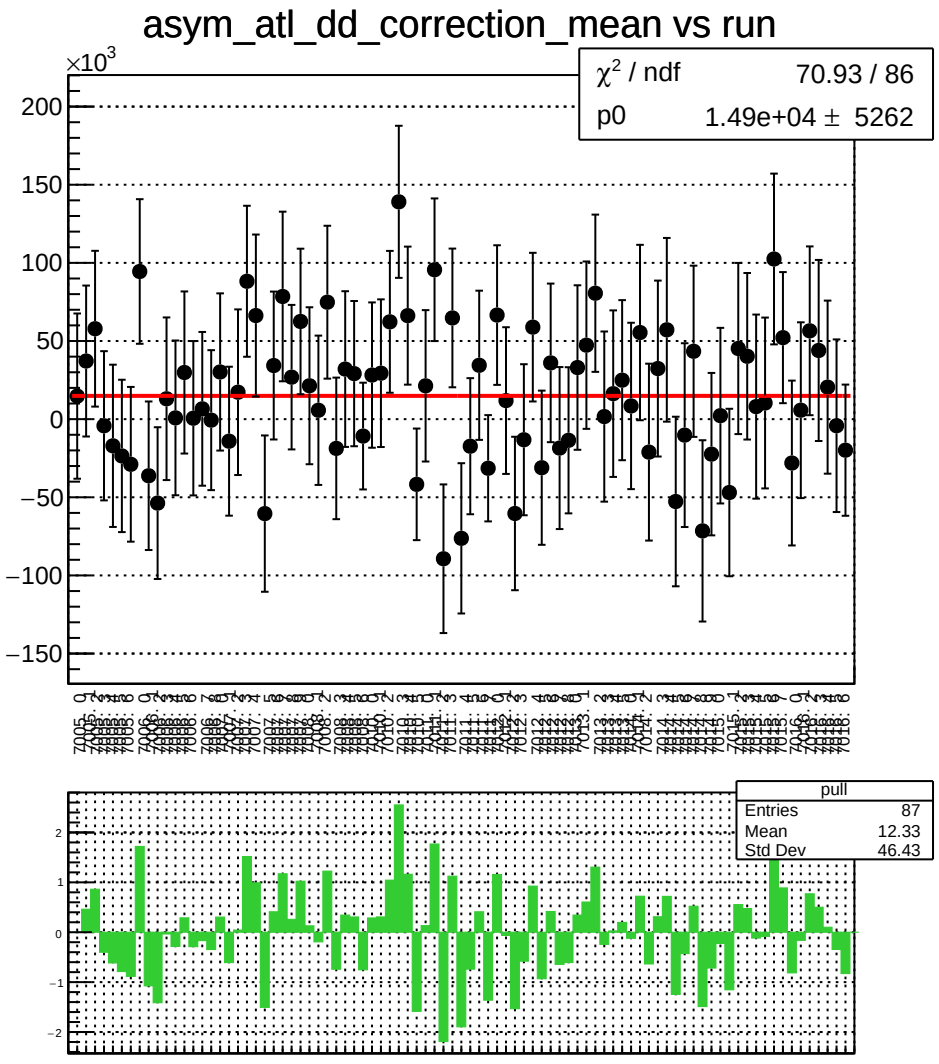

pull1D
Entries 87
Mean 0.007208
Std Dev 0.9676
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

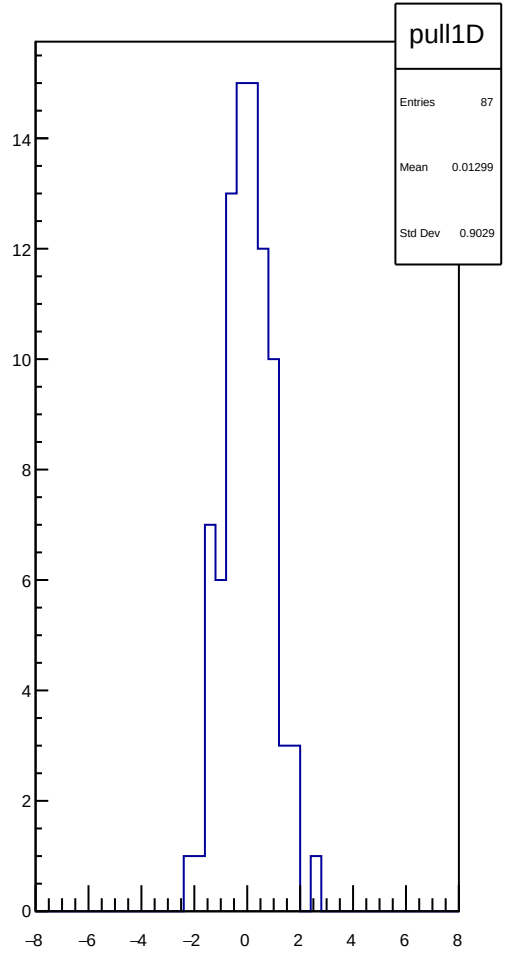

asym_atl_avg_rms vs run
χ² / ndf 8458 / 86
p0 5717 ± 4.455
7000
6500
6000
5500
5000

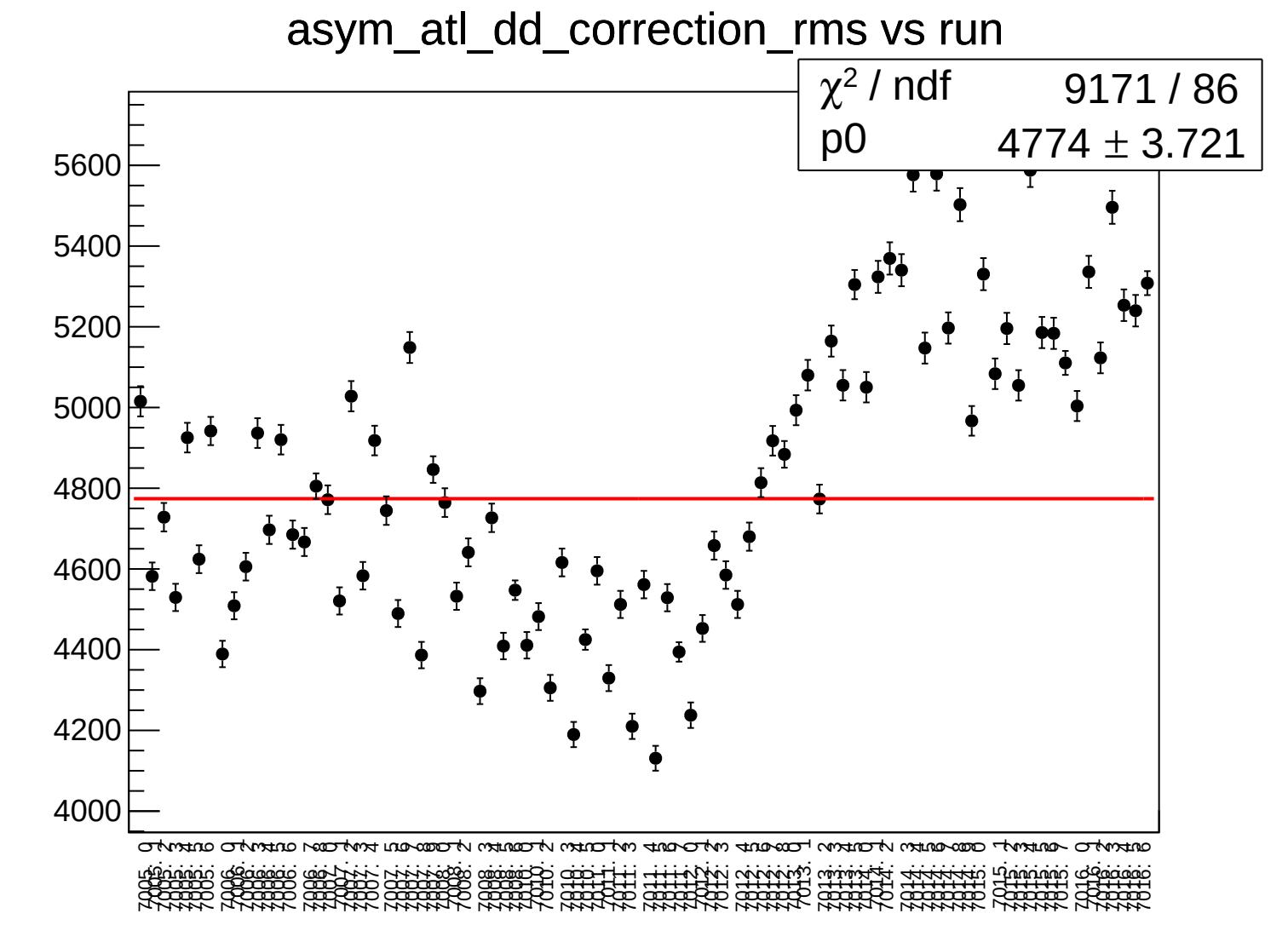

dit_asym_atl_dd_mean vs run
χ² / ndf 59.64 / 86
p0 4141 ± 2088
×10³
pull
Entries 87
Mean 86.13
Std Dev 106.2

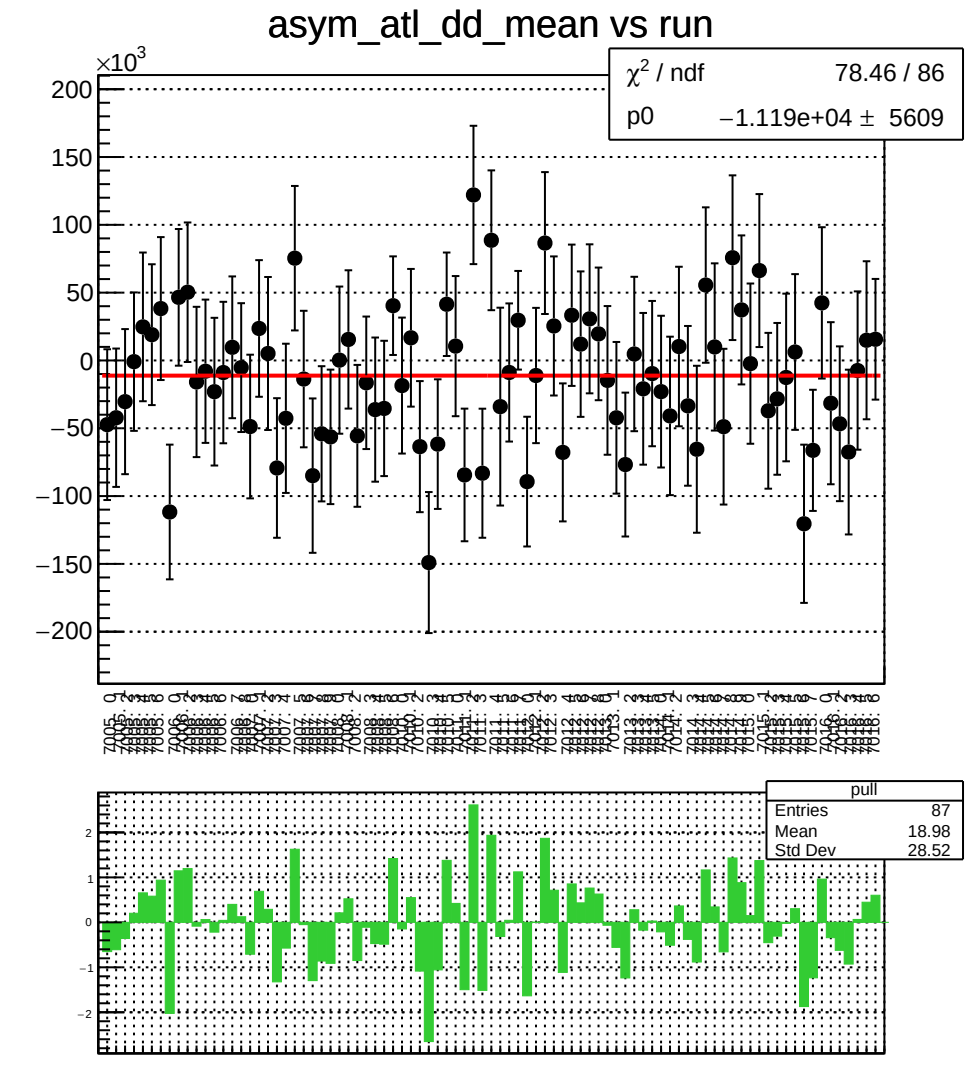

pull1D
Entries 87
Mean −0.008469
Std Dev 0.8279

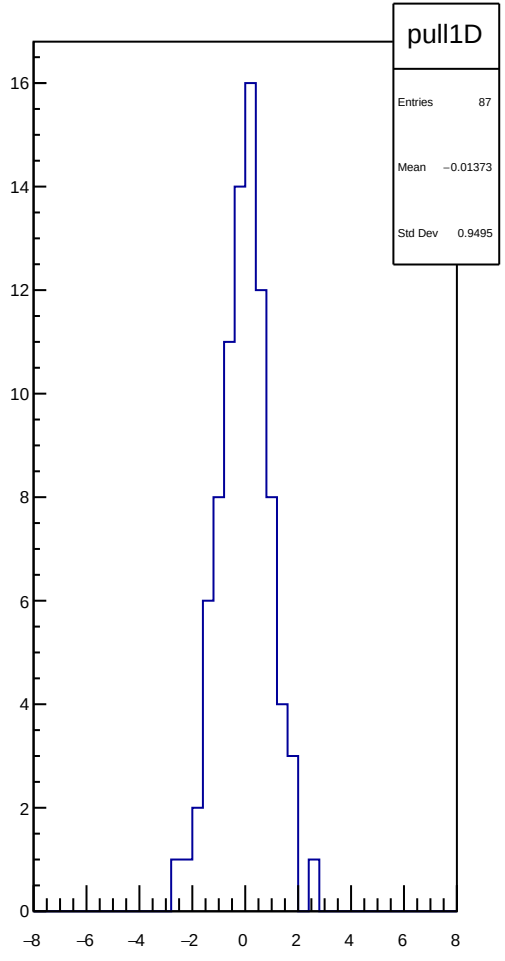

dit_asym_atl_dd_rms vs run
χ² / ndf 8256 / 86
p0 1895 ± 1.476
5500
5000
4500
4000
3500
3000
2500
2000
1500

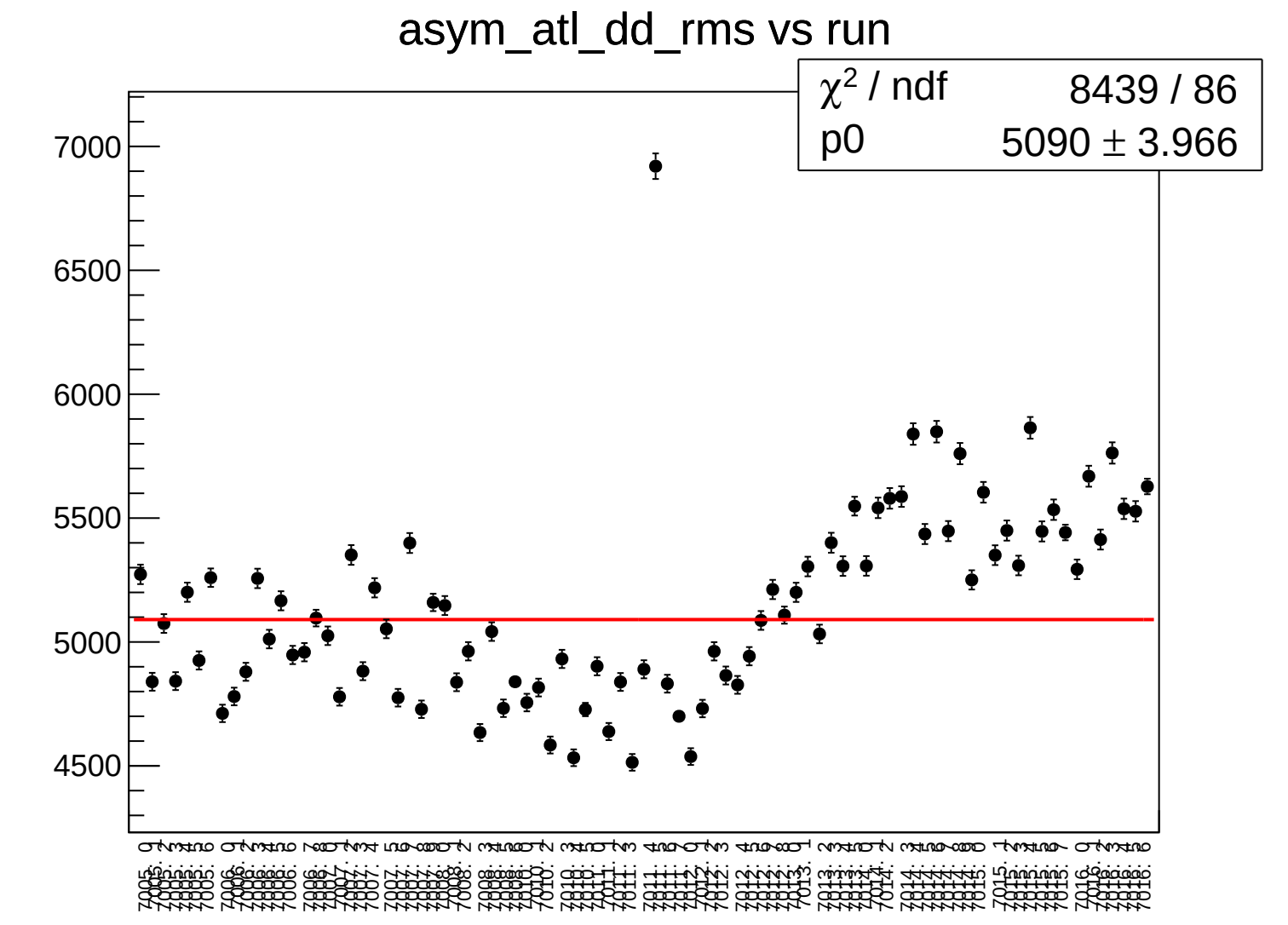

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 70.93 / 86
p0 1.49e+04 ± 5262
200
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean 12.33
Std Dev 46.43
2
1
0
−1
−2

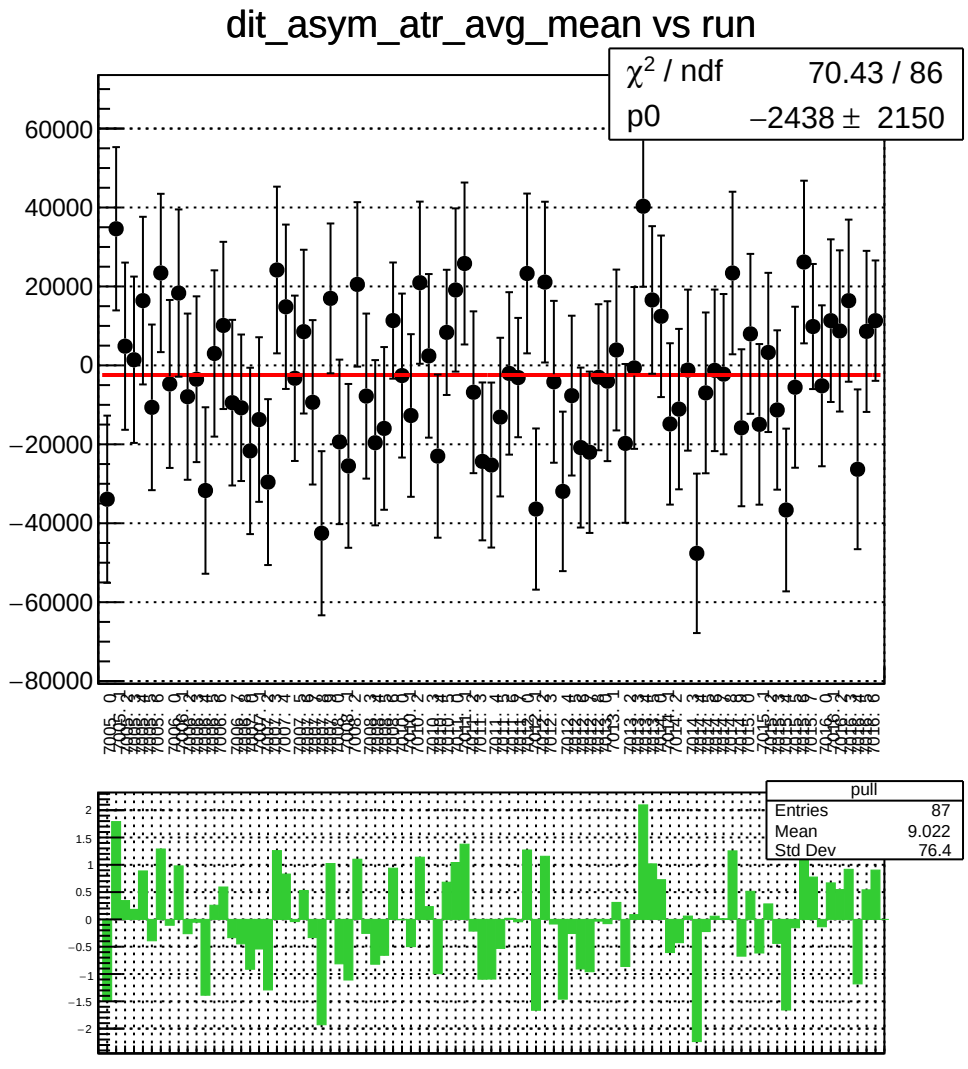

pull1D
Entries 87
Mean 0.01299
Std Dev 0.9029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

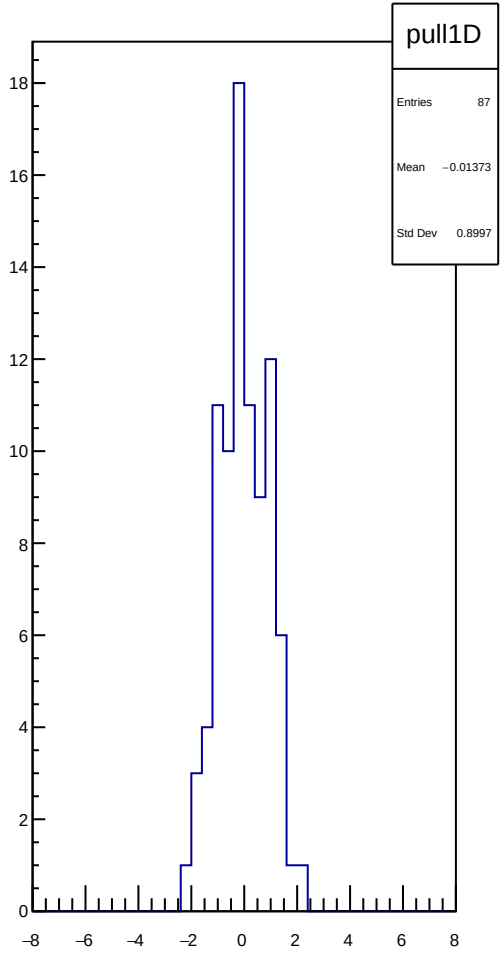

asym_atl_dd_correction_rms vs run
χ² / ndf 9171 / 86
p0 4774 ± 3.721
5600
5400
5200
5000
4800
4600
4400
4200
4000

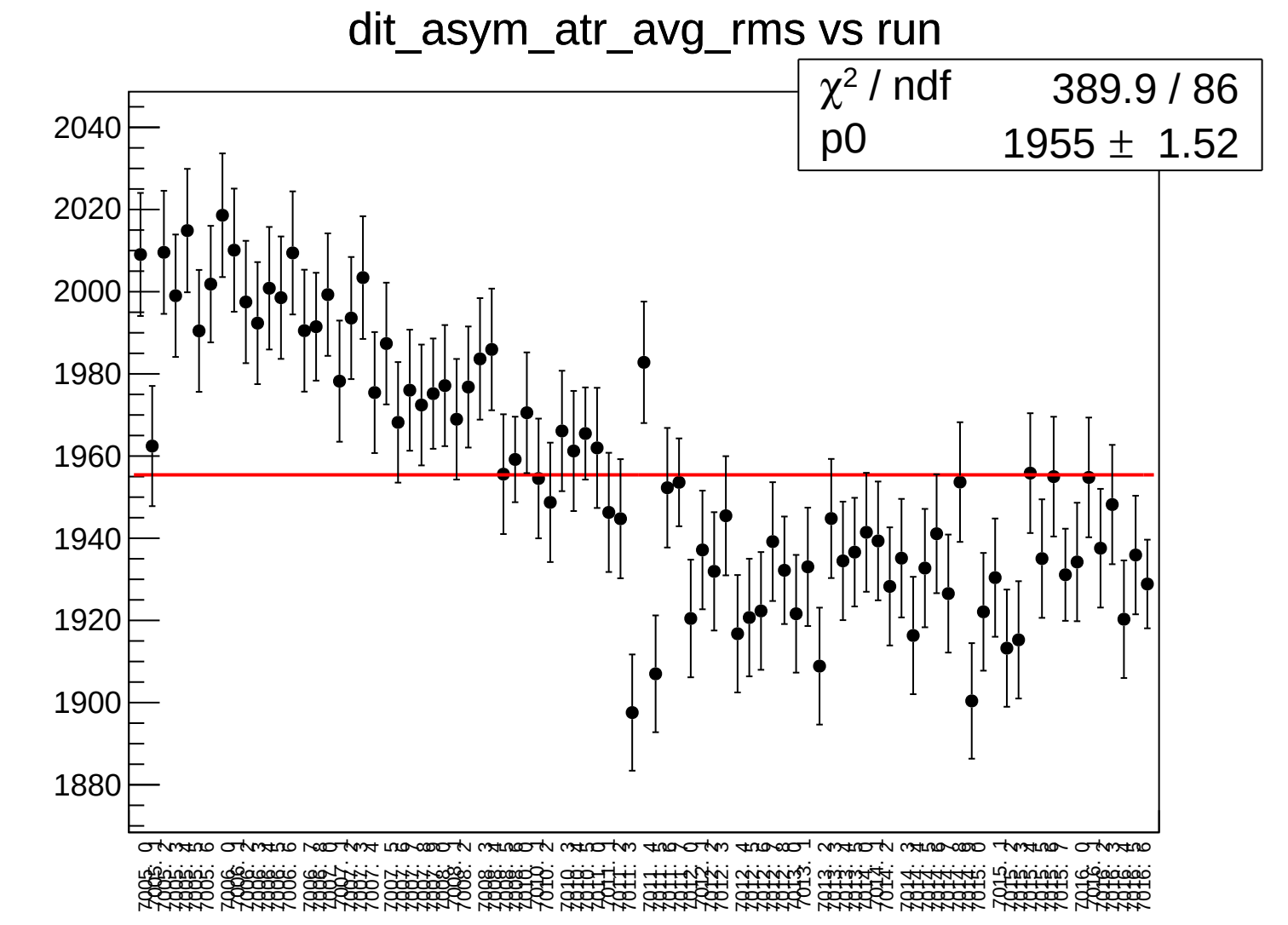

asym_atl_dd_mean vs run
×10^3
χ² / ndf 78.46 / 86
p0 −1.119e+04 ± 5609
pull
Entries 87
Mean 18.98
Std Dev 28.52

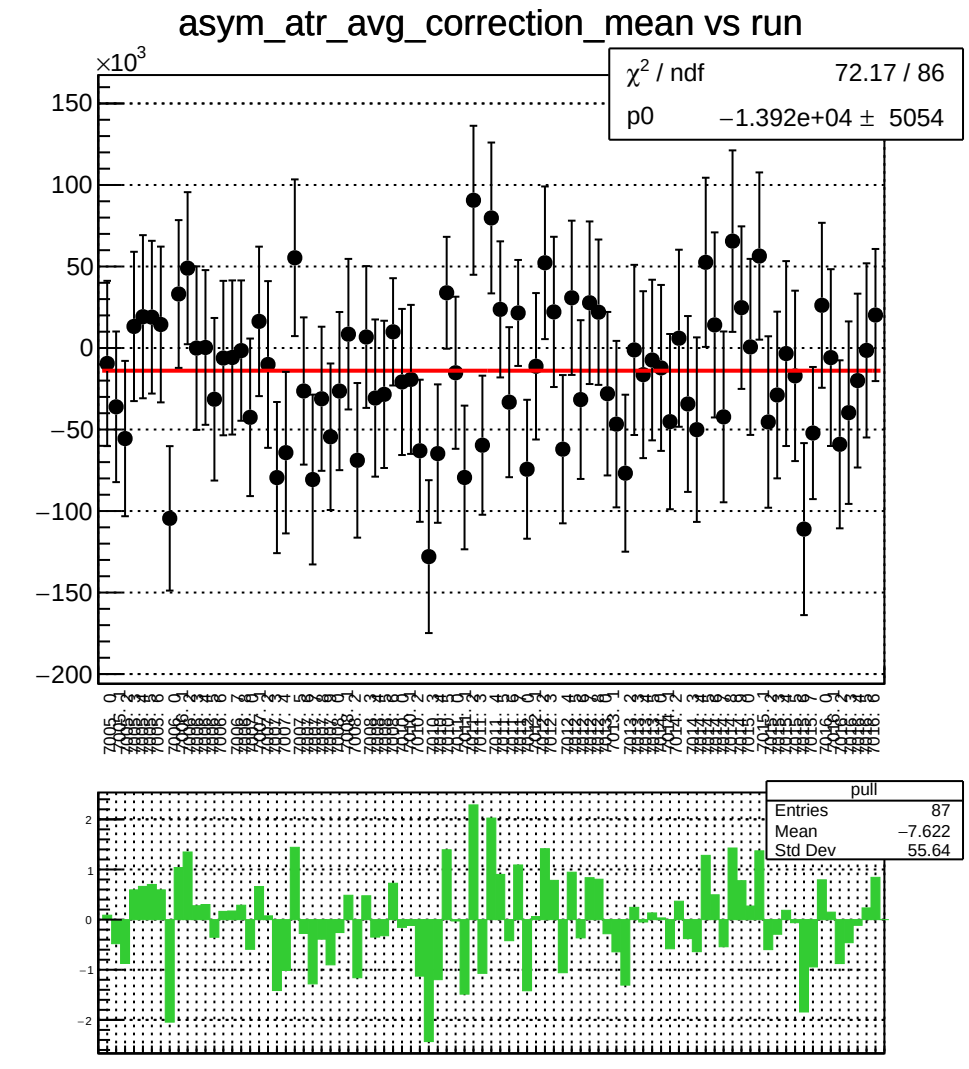

pull1D
Entries 87
Mean −0.01373
Std Dev 0.9495

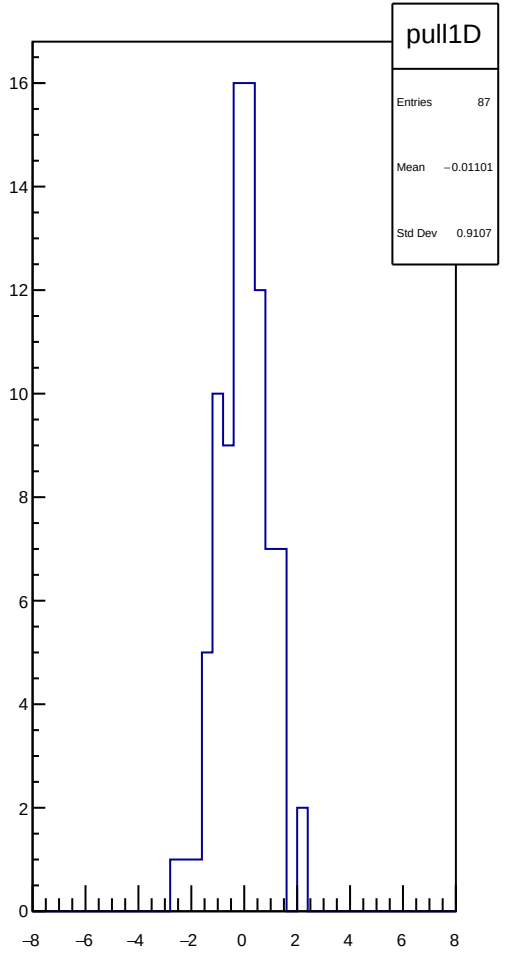

asym_atl_dd_rms vs run
χ² / ndf 8439 / 86
p0 5090 ± 3.966
7000
6500
6000
5500
5000
4500

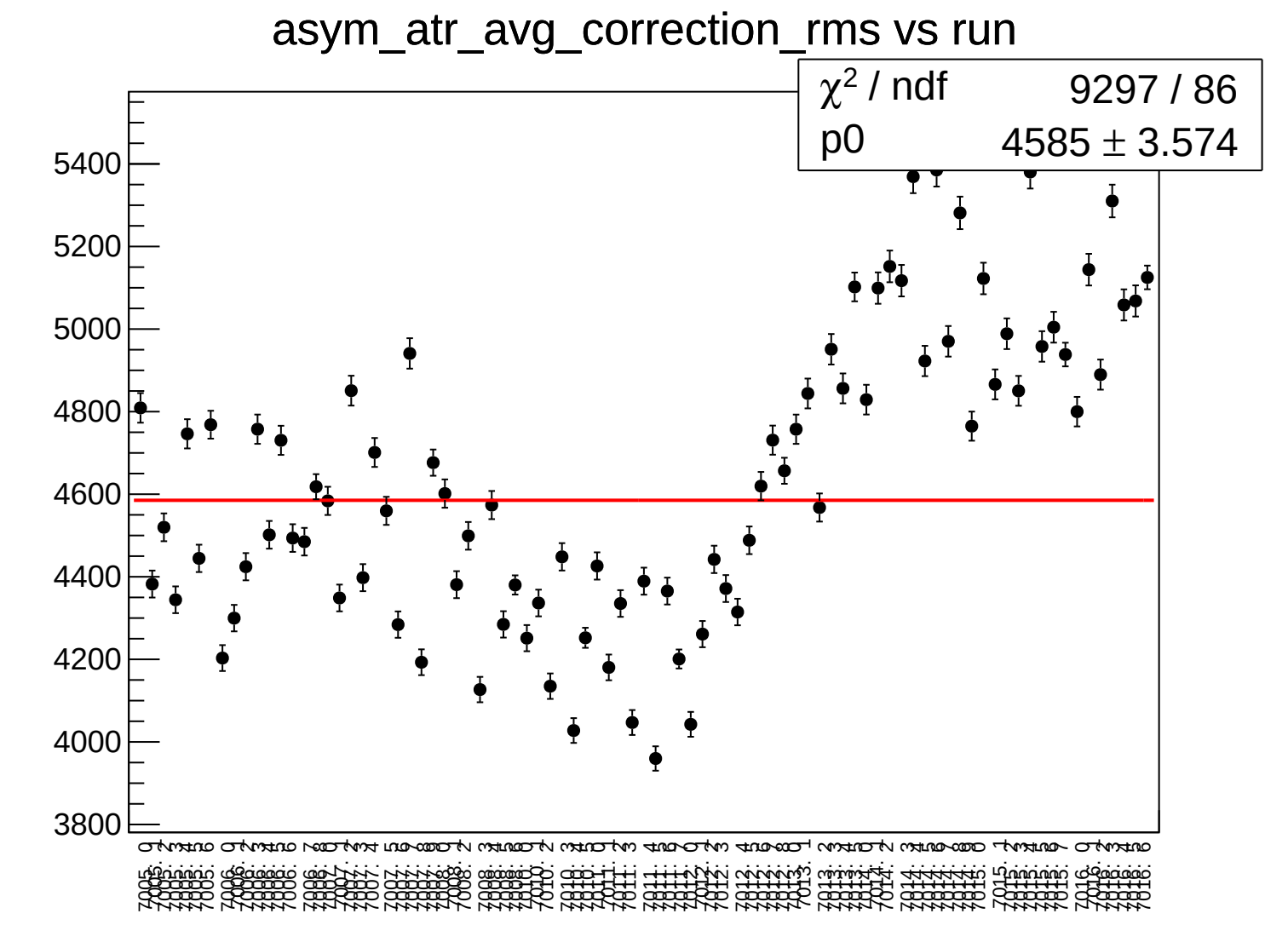

dit_asym_atr_avg_mean vs run
χ² / ndf 70.43 / 86
p0 −2438 ± 2150
pull
Entries 87
Mean 9.022
Std Dev 76.4

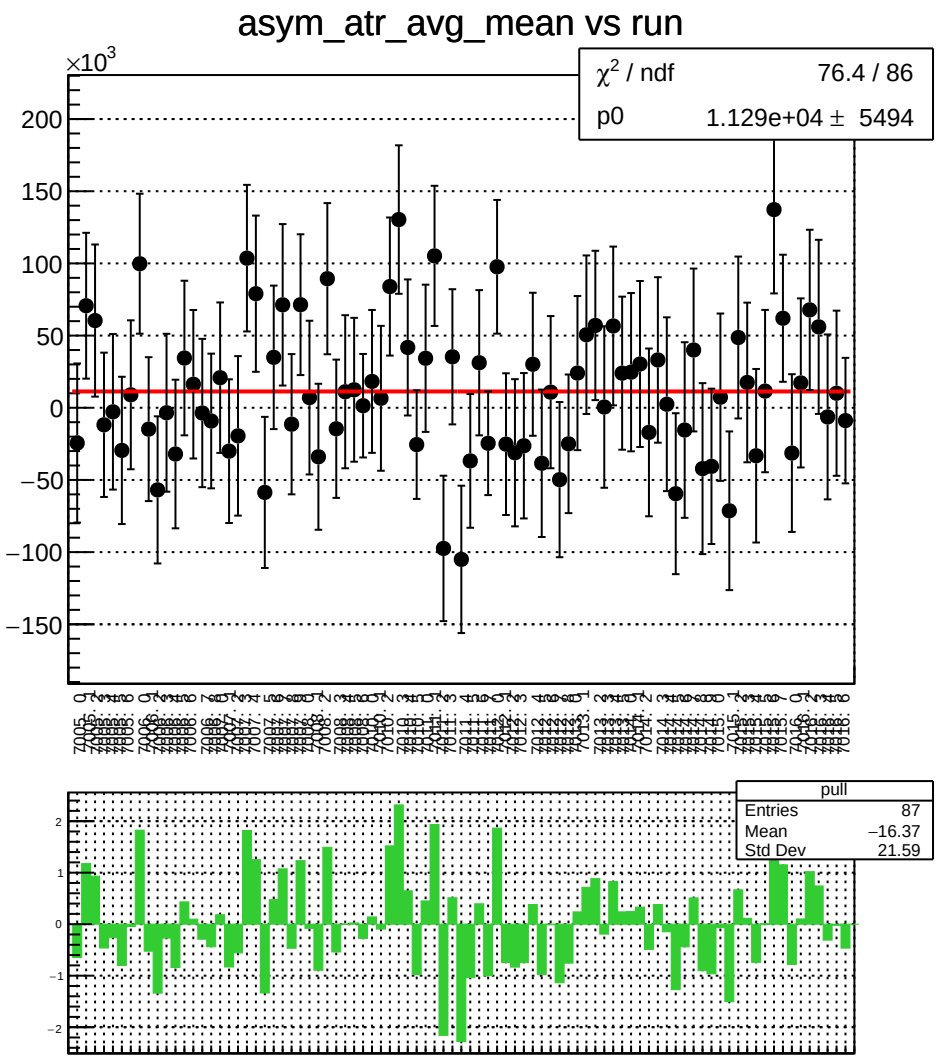

pull1D
Entries 87
Mean −0.01373
Std Dev 0.8997

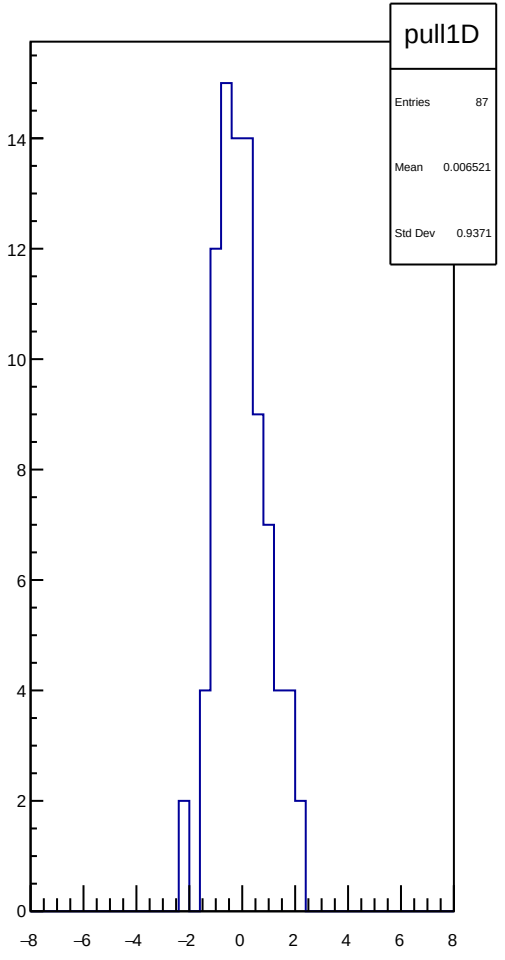

dit_asym_atr_avg_rms vs run
χ² / ndf 389.9 / 86
p0 1955 ± 1.52
2040
2020
2000
1980
1960
1940
1920
1900
1880

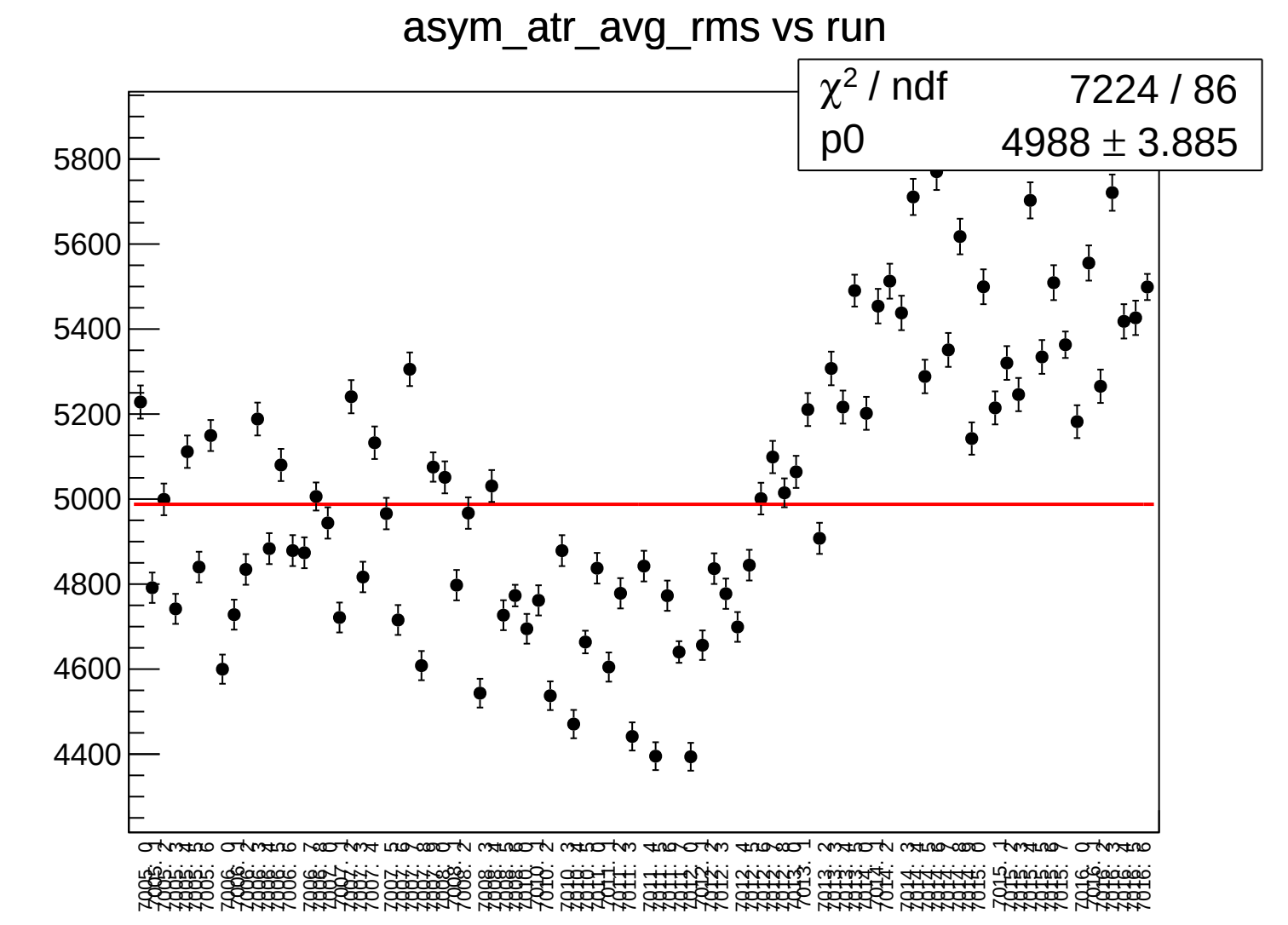

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 72.17 / 86
p0 −1.392e+04 ± 5054
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −7.622
Std Dev 55.64
2
1
0
−1
−2

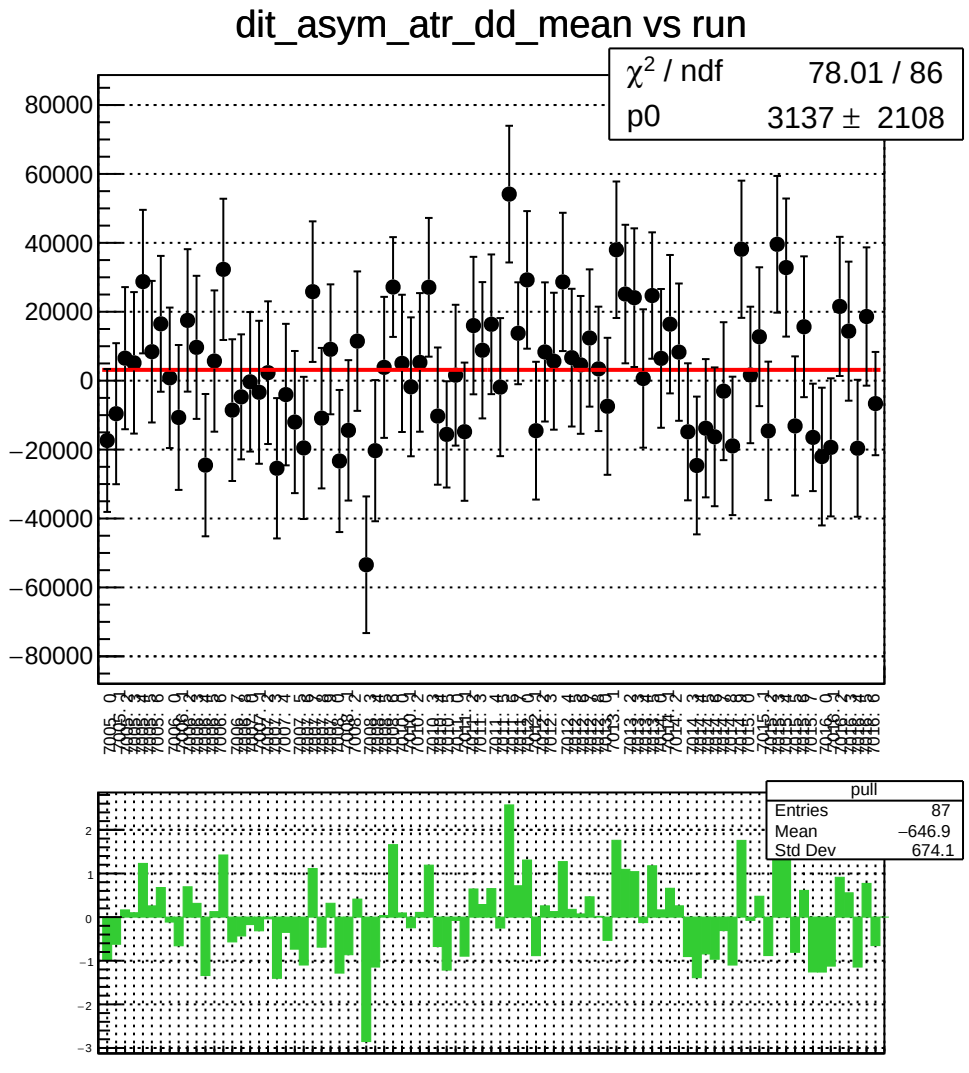

pull1D
Entries 87
Mean −0.01101
Std Dev 0.9107
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

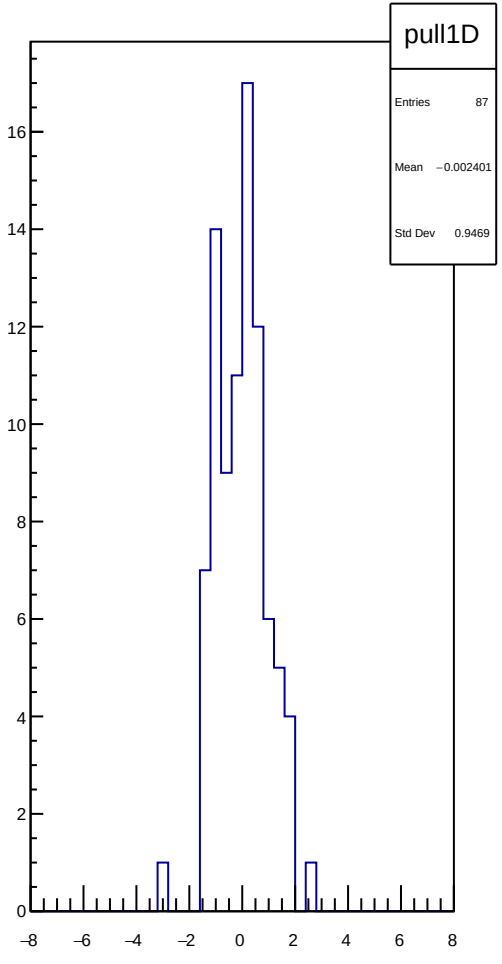

asym_atr_avg_correction_rms vs run
χ² / ndf 9297 / 86
p0 4585 ± 3.574
5400
5200
5000
4800
4600
4400
4200
4000
3800

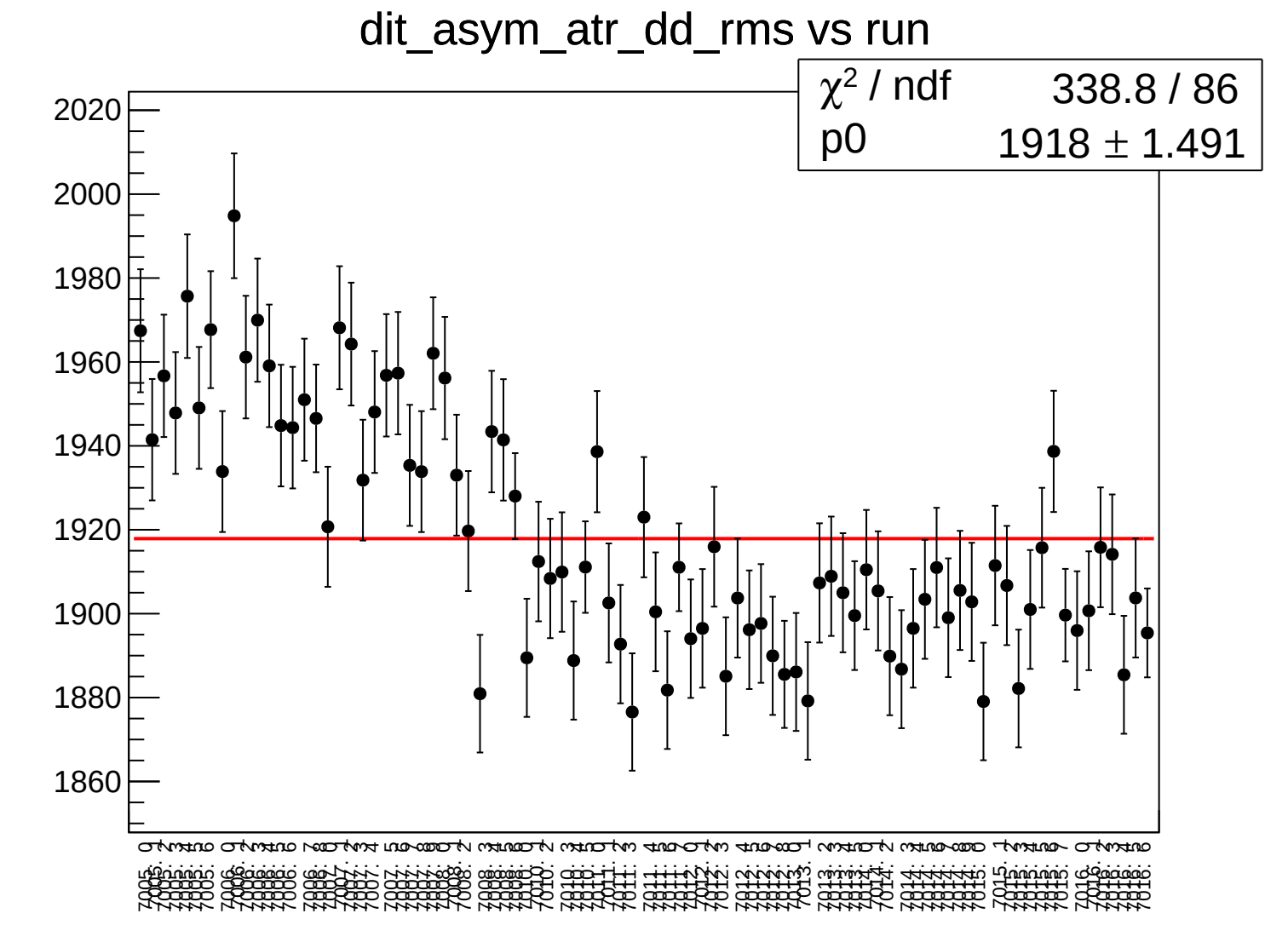

asym_atr_avg_mean vs run
×10^3
χ² / ndf 76.4 / 86
p0 1.129e+04 ± 5494
pull
Entries 87
Mean −16.37
Std Dev 21.59

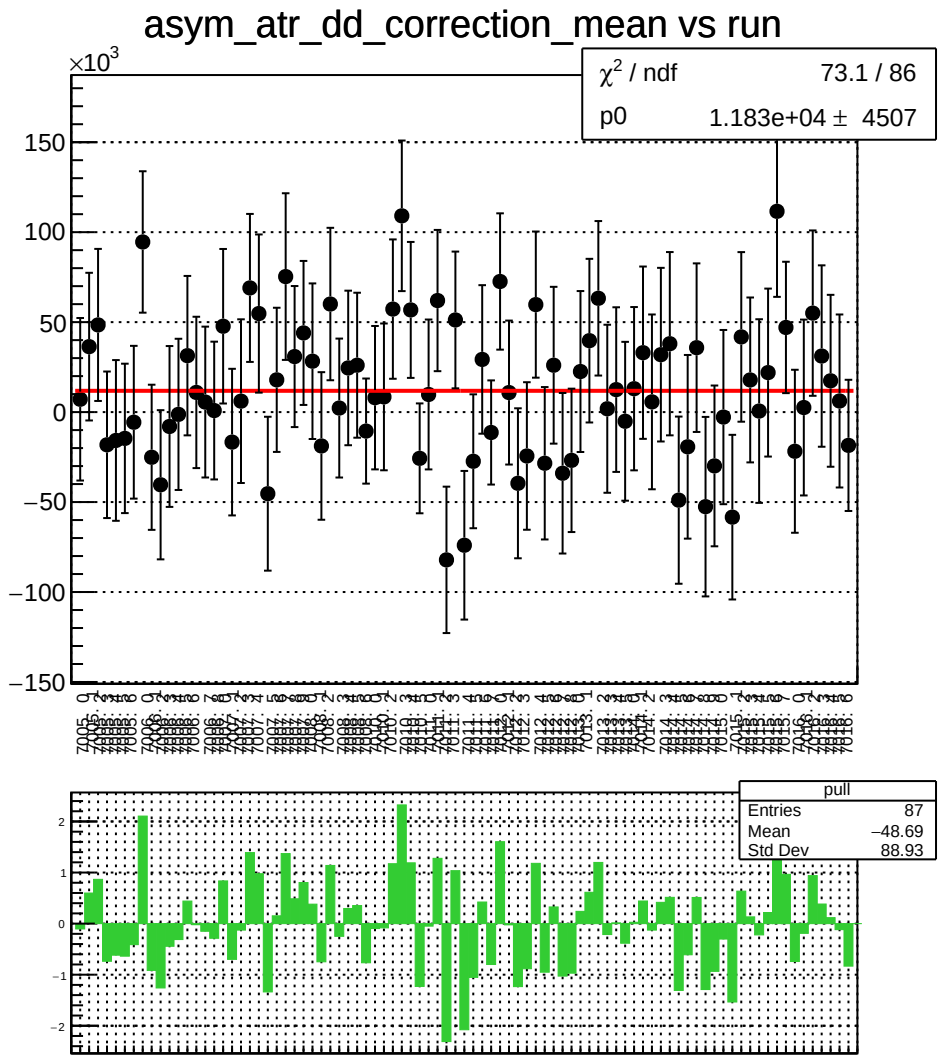

pull1D
Entries 87
Mean 0.006521
Std Dev 0.9371

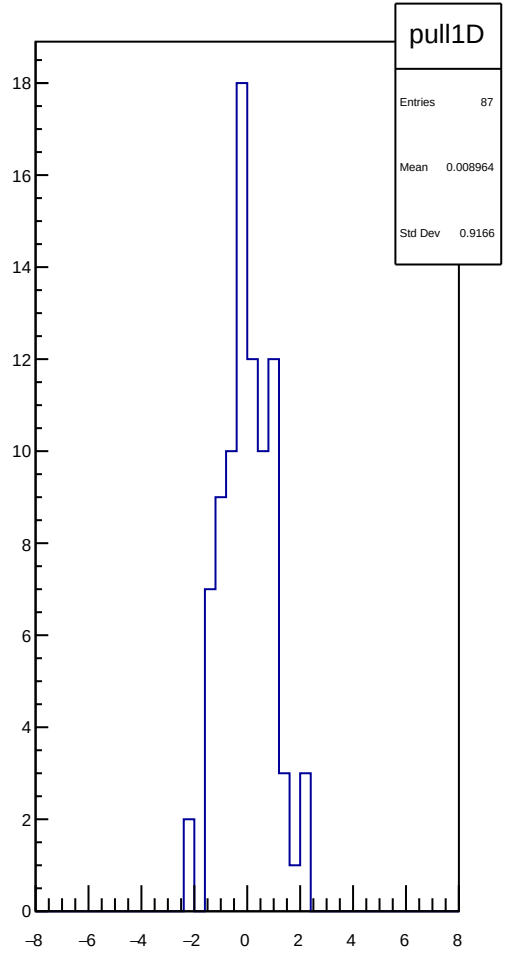

asym_atr_avg_rms vs run
χ² / ndf 7224 / 86
p0 4988 ± 3.885
5800
5600
5400
5200
5000
4800
4600
4400

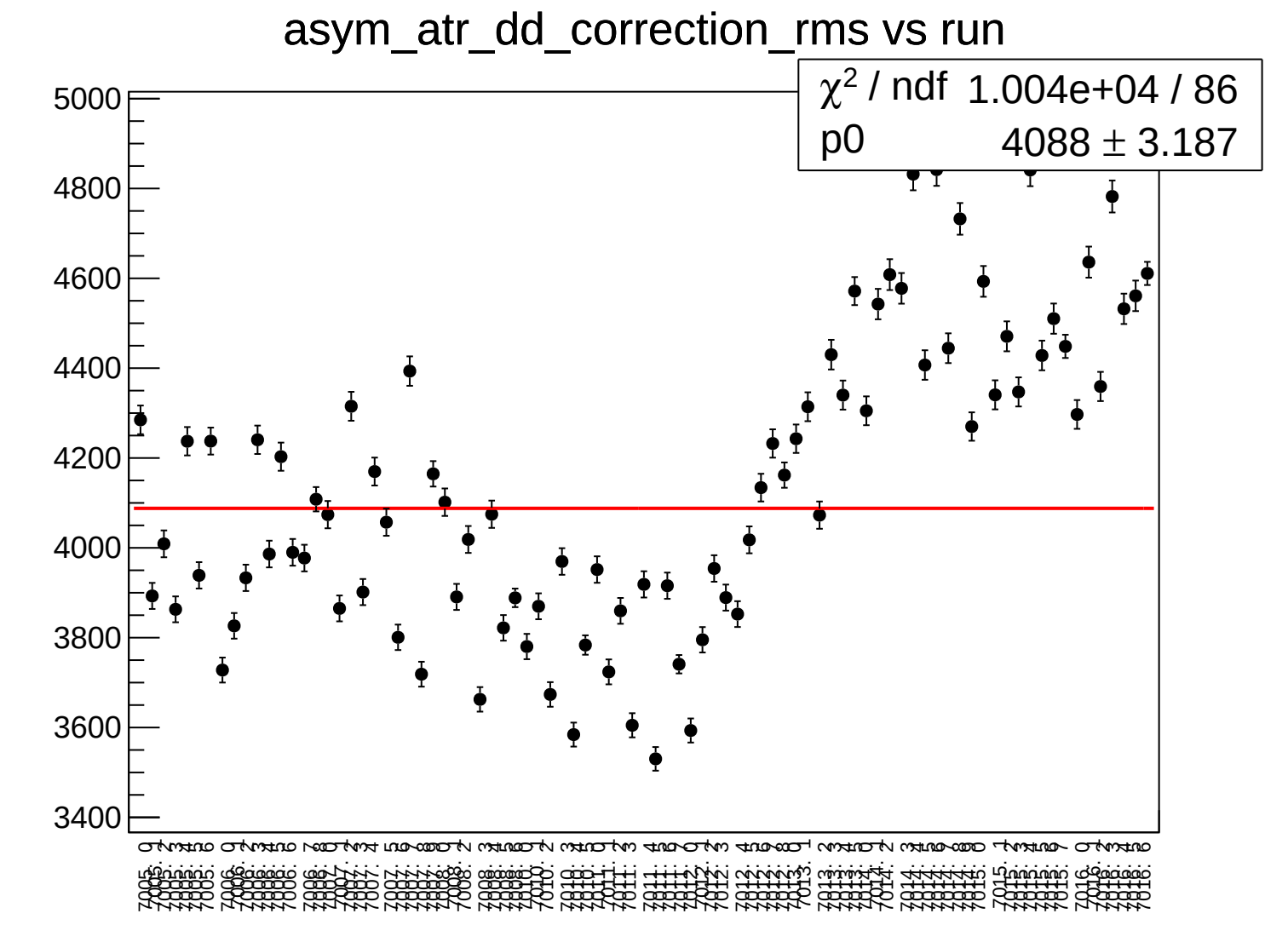

dit_asym_atr_dd_mean vs run
χ² / ndf 78.01 / 86
p0 3137 ± 2108
pull
Entries 87
Mean −646.9
Std Dev 674.1

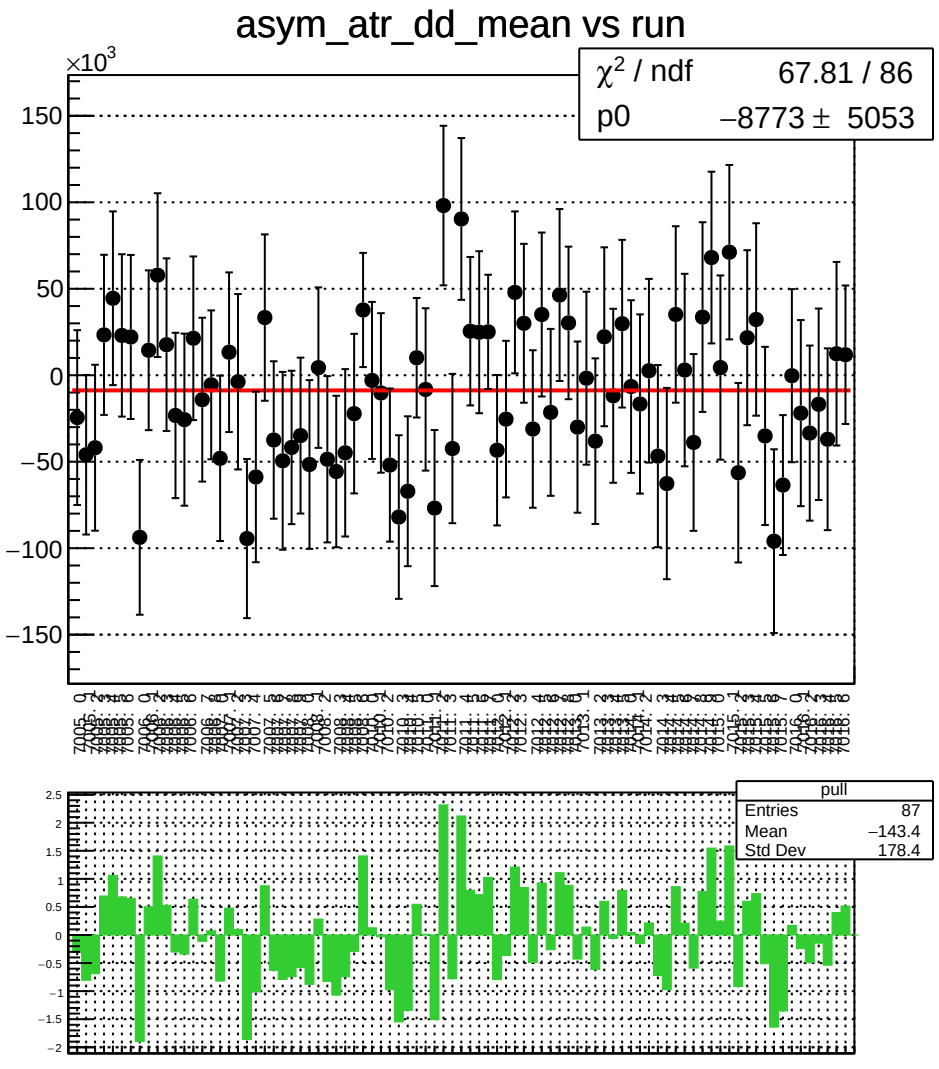

pull1D
Entries 87
Mean −0.002401
Std Dev 0.9469

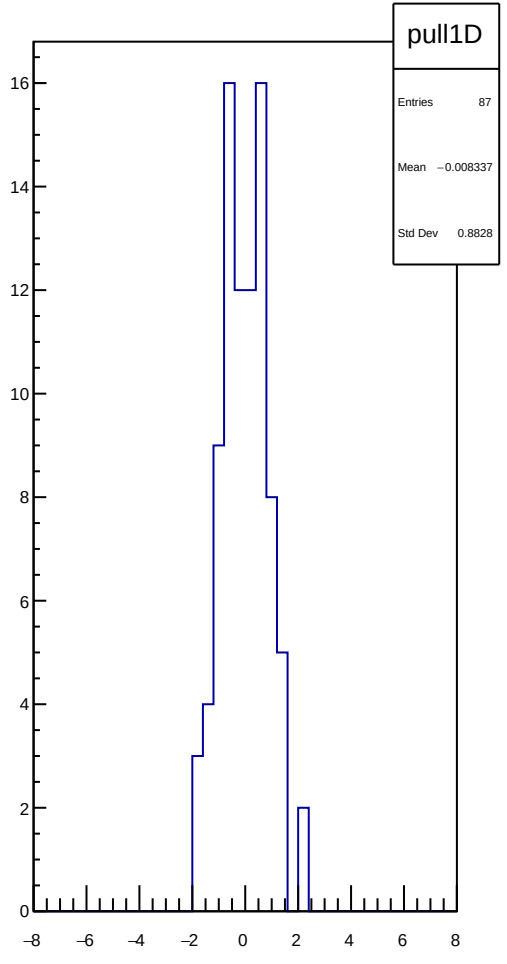

dit_asym_atr_dd_rms vs run
χ² / ndf 338.8 / 86
p0 1918 ± 1.491
2020
2000
1980
1960
1940
1920
1900
1880
1860

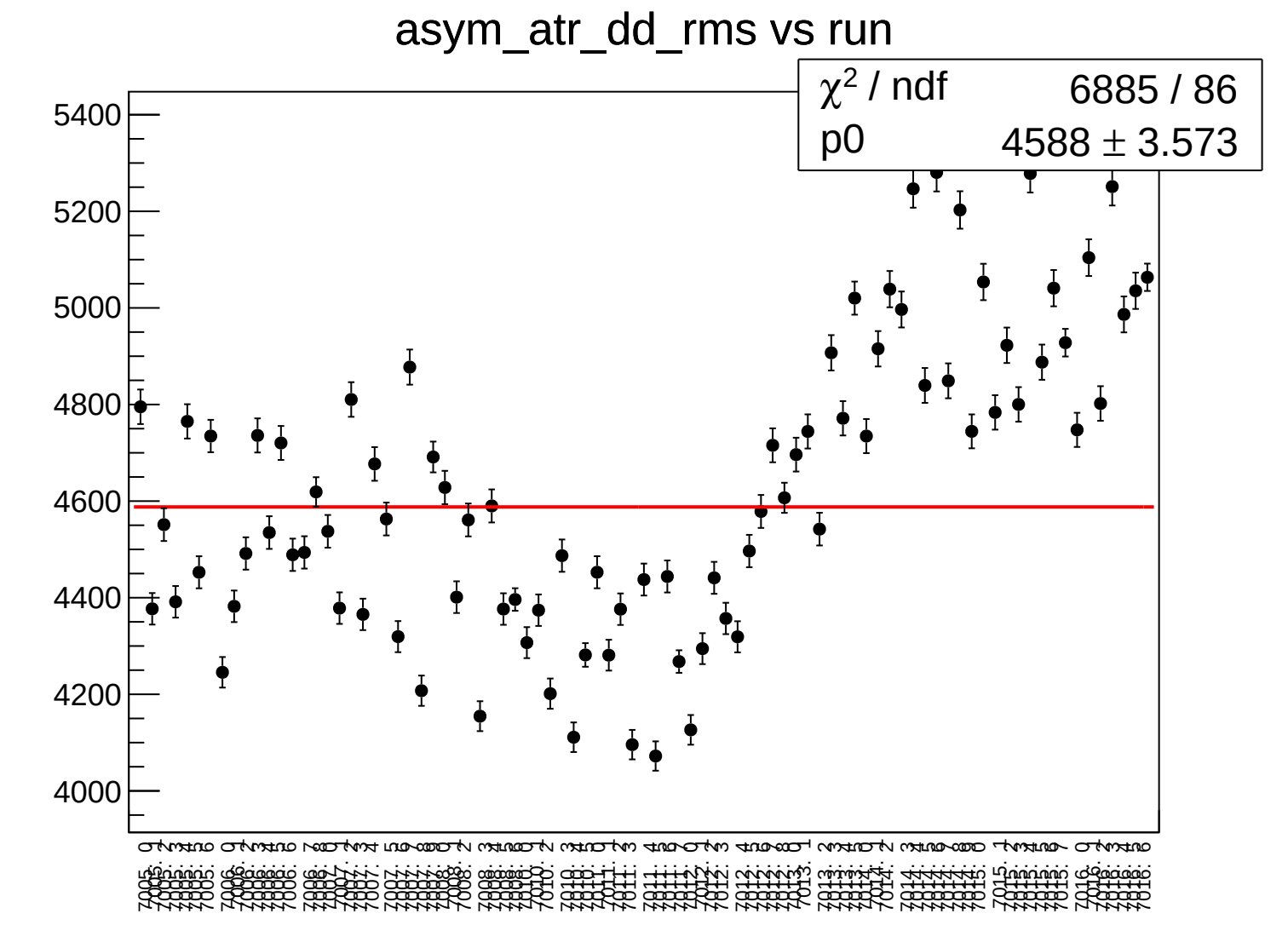

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 73.1 / 86
p0 1.183e+04 ± 4507
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −48.69
Std Dev 88.93
2
1
0
−1
−2

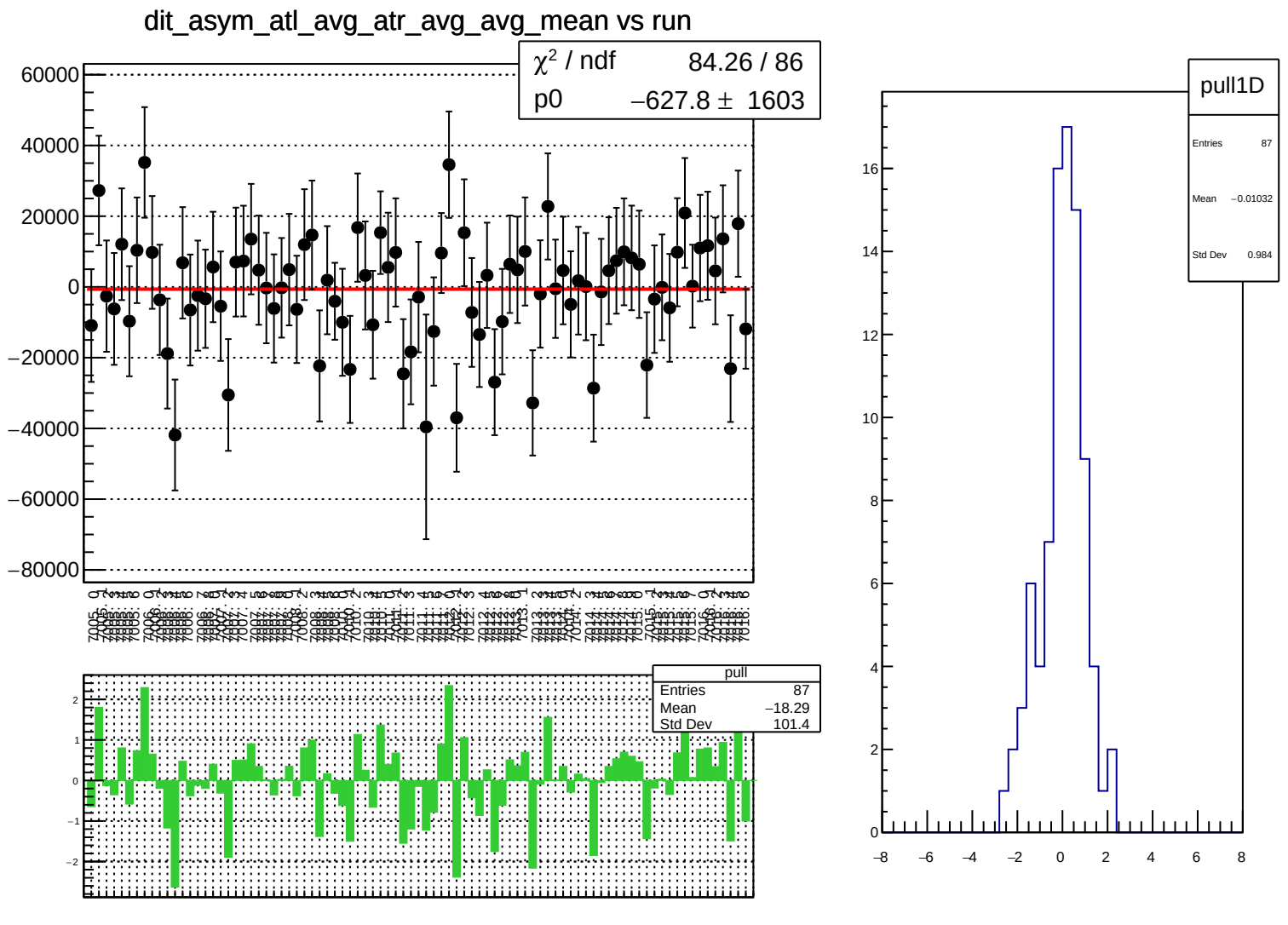

pull1D
Entries 87
Mean 0.008964
Std Dev 0.9166
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

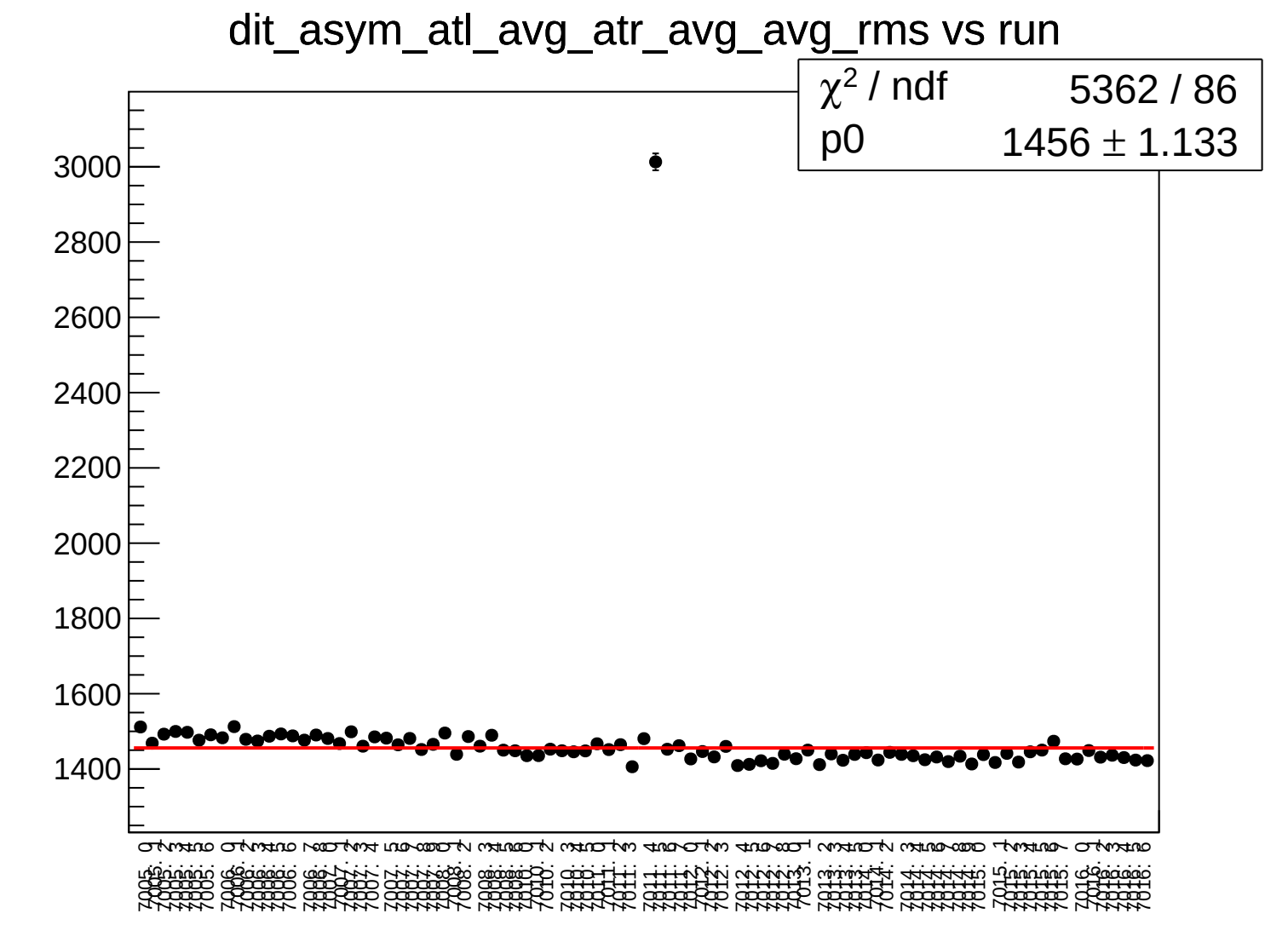

asym_atr_dd_correction_rms vs run
χ² / ndf 1.004e+04 / 86
p0 4088 ± 3.187
5000
4800
4600
4400
4200
4000
3800
3600
3400

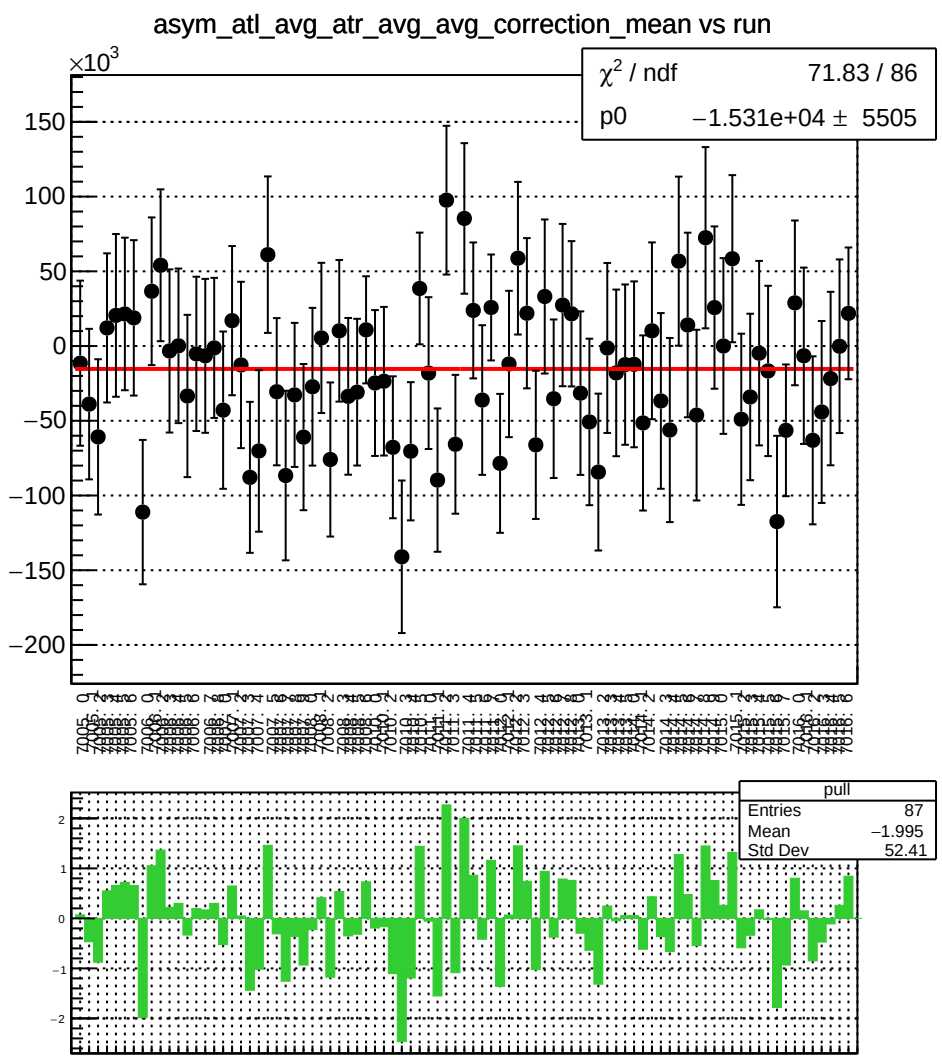

asym_atr_dd_mean vs run
×10^3
χ² / ndf 67.81 / 86
p0 −8773 ± 5053
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −143.4
Std Dev 178.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

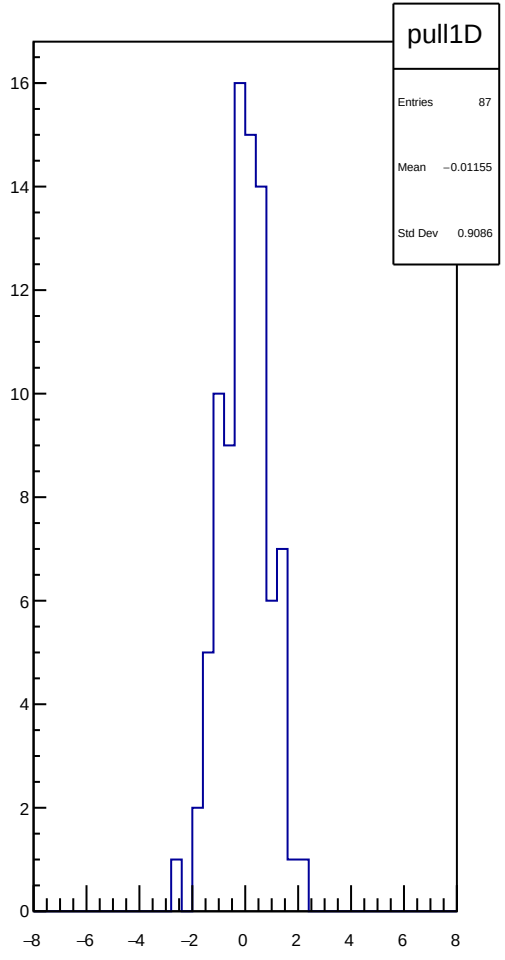

pull1D
Entries 87
Mean −0.008337
Std Dev 0.8828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

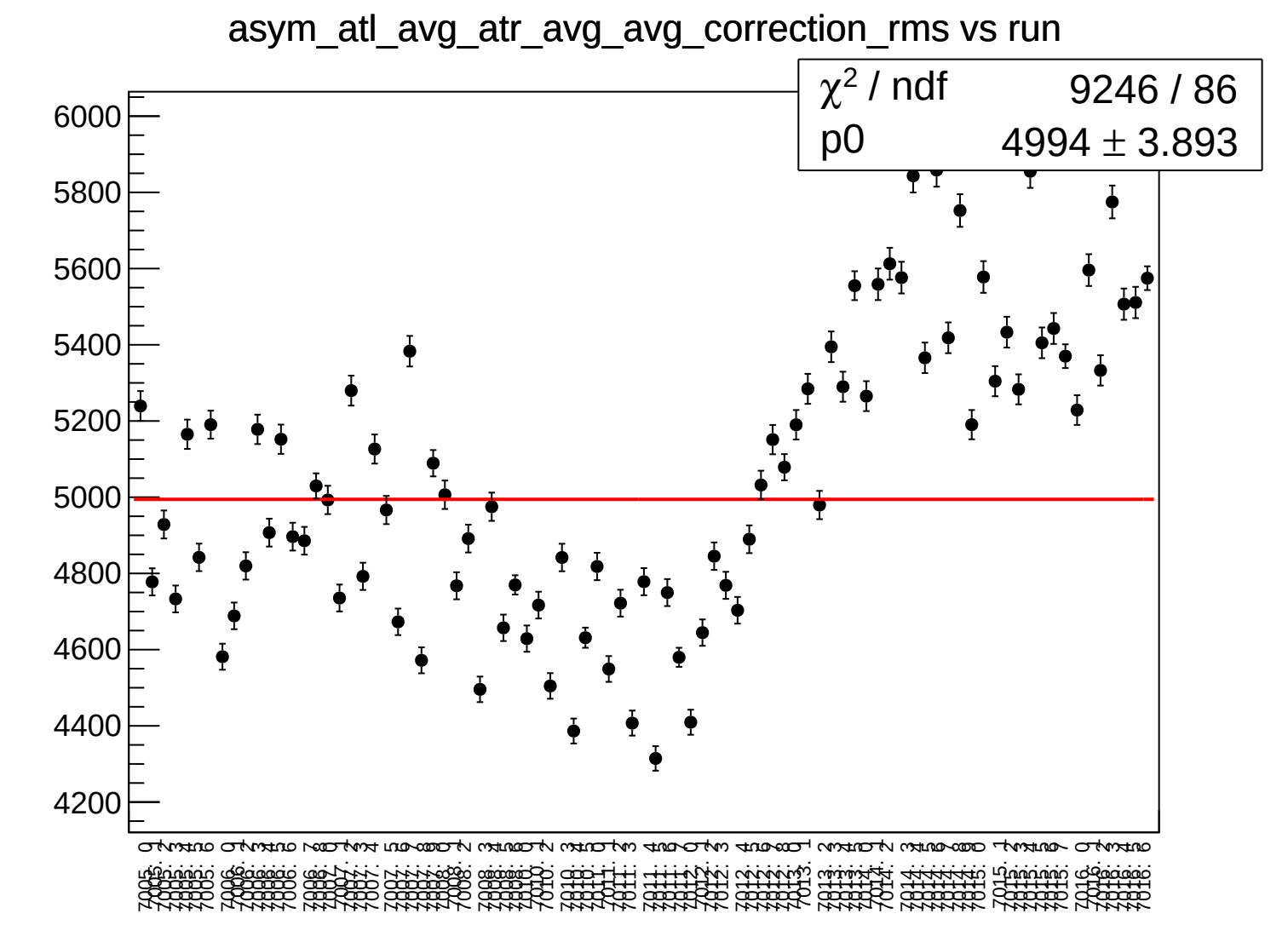

asym_atr_dd_rms vs run
χ^2 / ndf 6885 / 86
p0 4588 ± 3.573
5400
5200
5000
4800
4600
4400
4200
4000

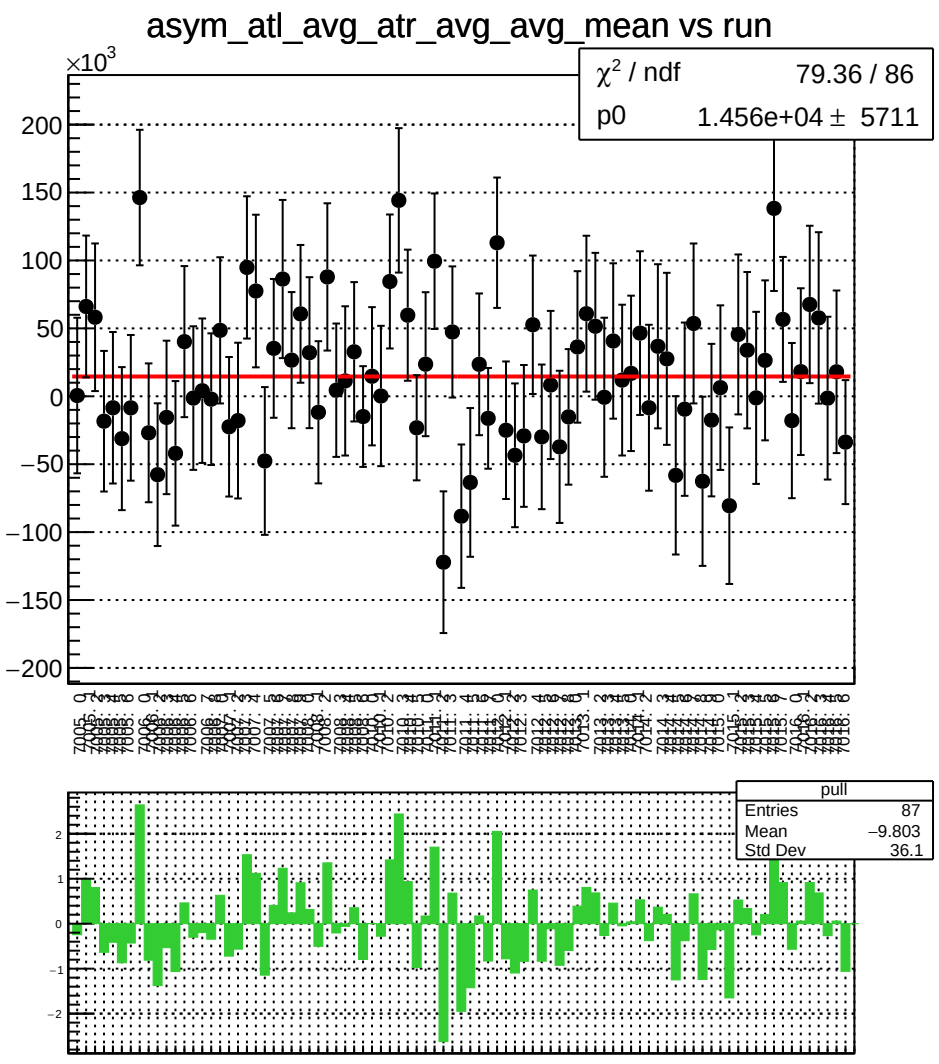

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 84.26 / 86
p0 −627.8 ± 1603
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean −18.29
Std Dev 101.4
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01032
Std Dev 0.984
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

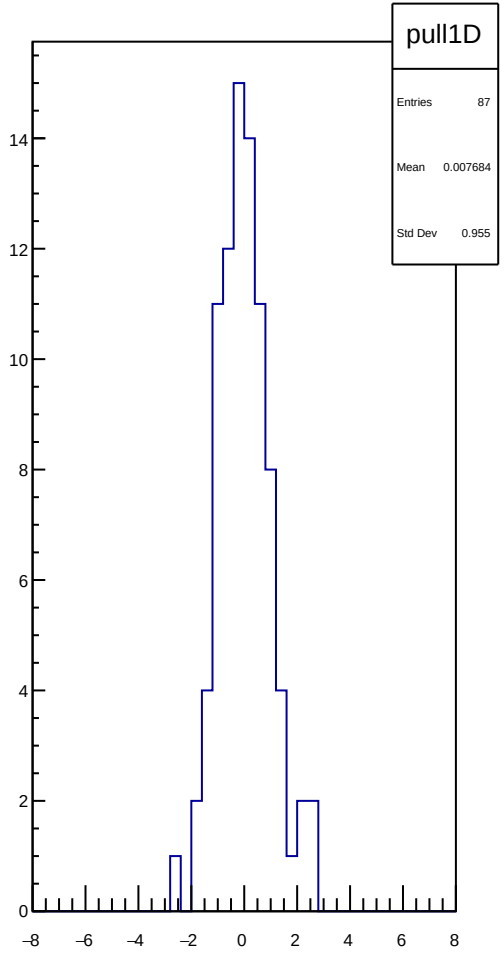

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5362 / 86
p0 1456 ± 1.133
3000
2800
2600
2400
2200
2000
1800
1600
1400

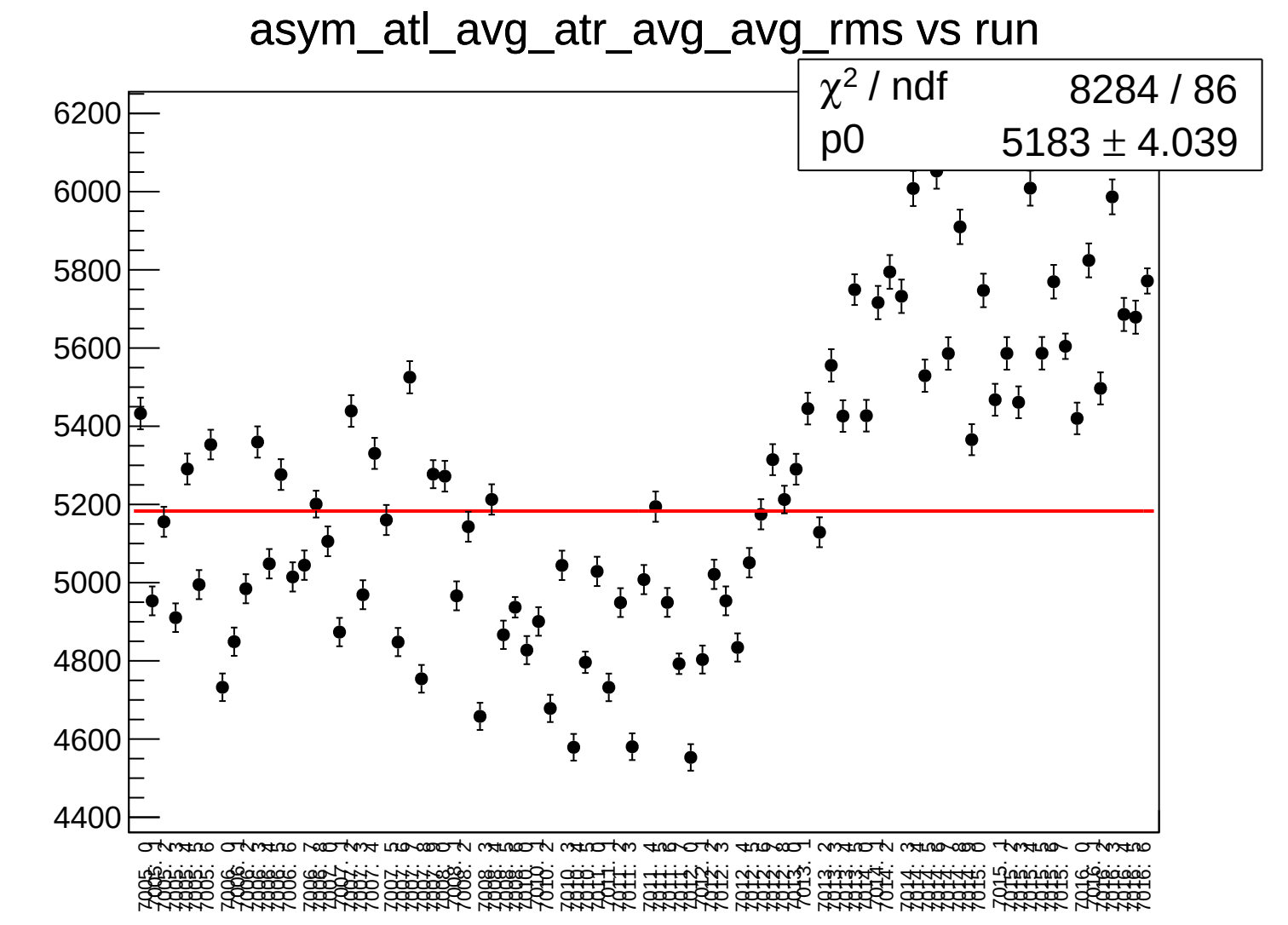

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 71.83 / 86
p0 −1.531e+04 ± 5505
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −1.995
Std Dev 52.41
2
1
0
−1
−2

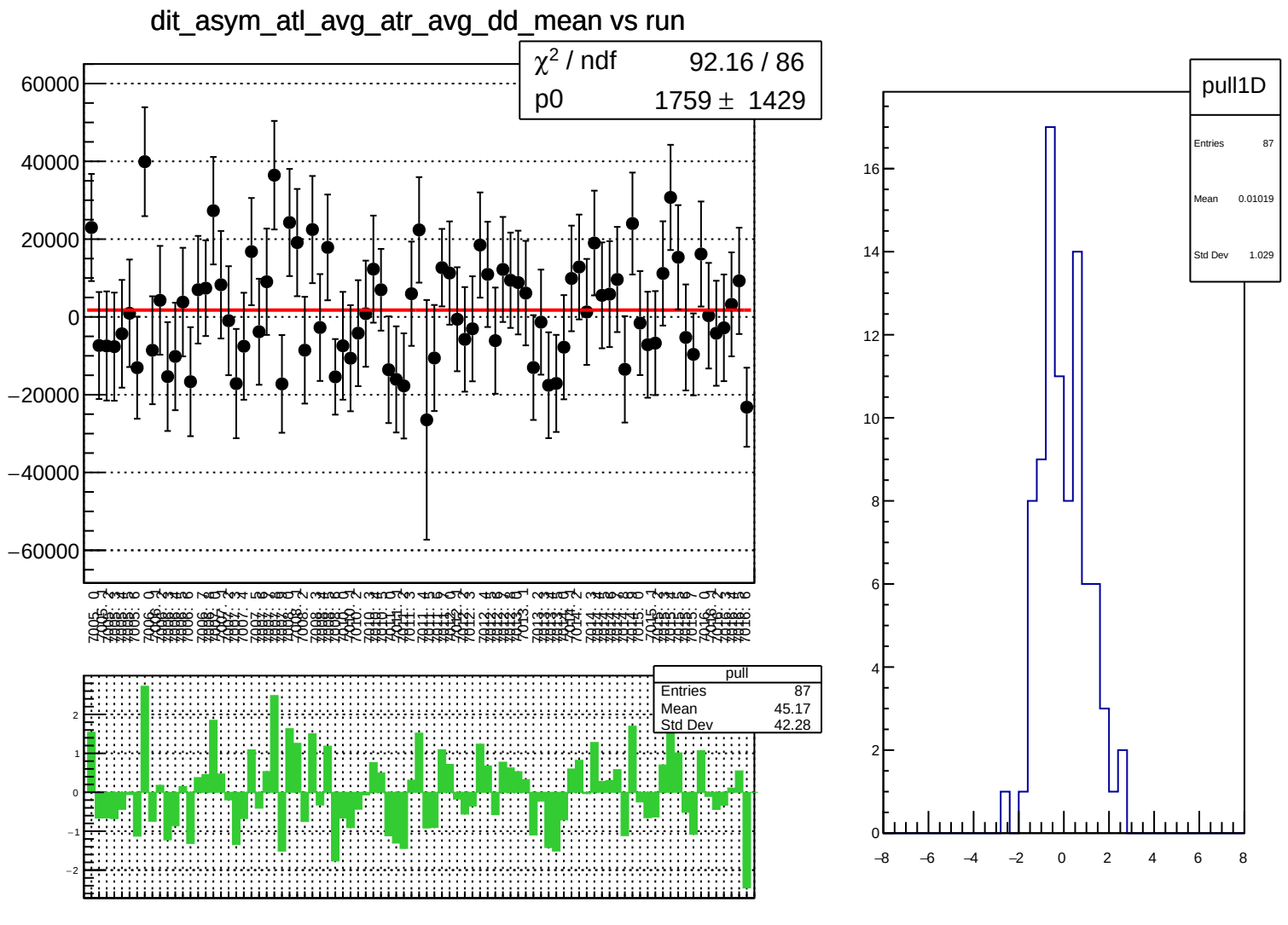

pull1D
Entries 87
Mean −0.01155
Std Dev 0.9086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

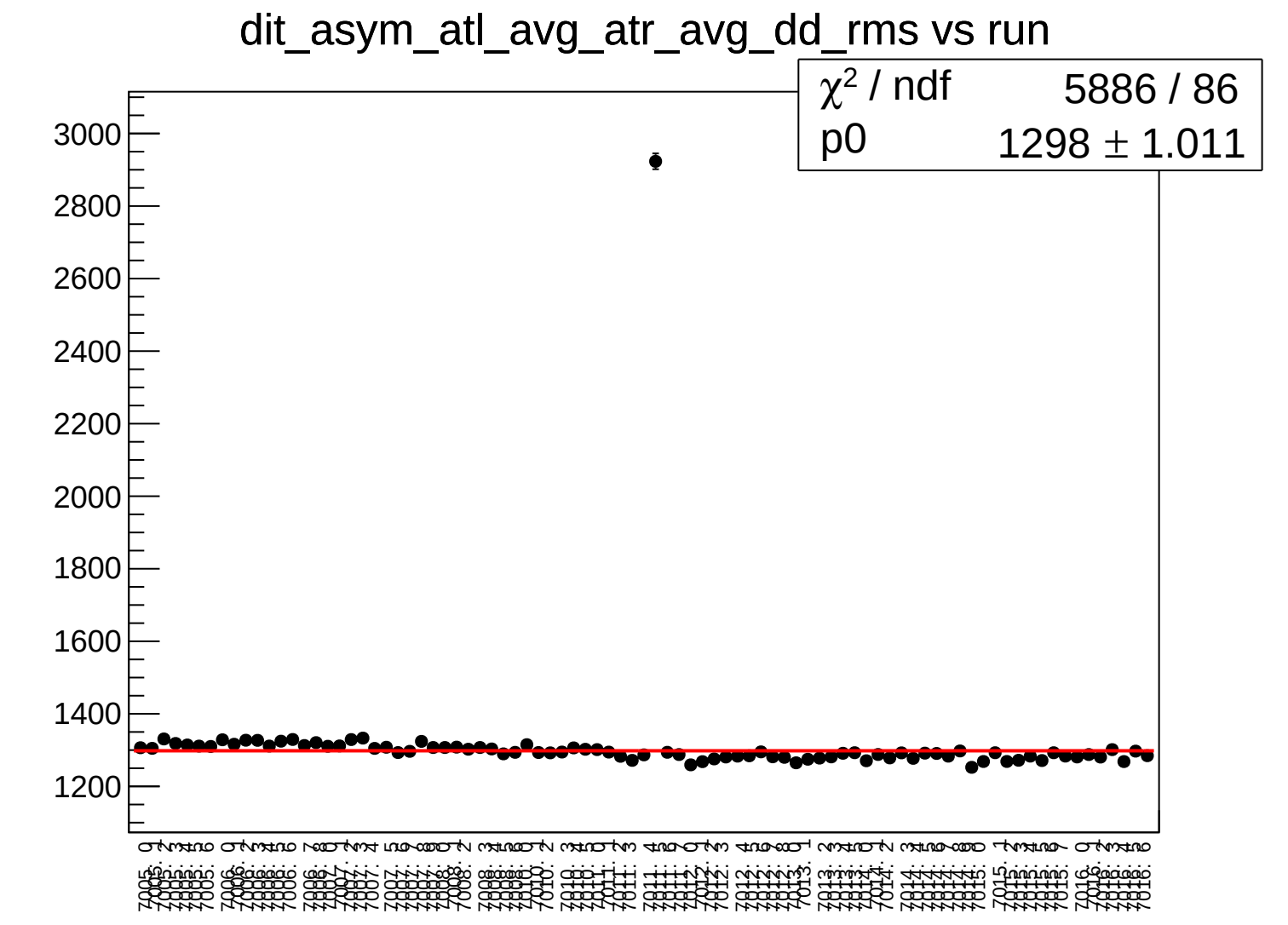

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9246 / 86
p0 4994 ± 3.893
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

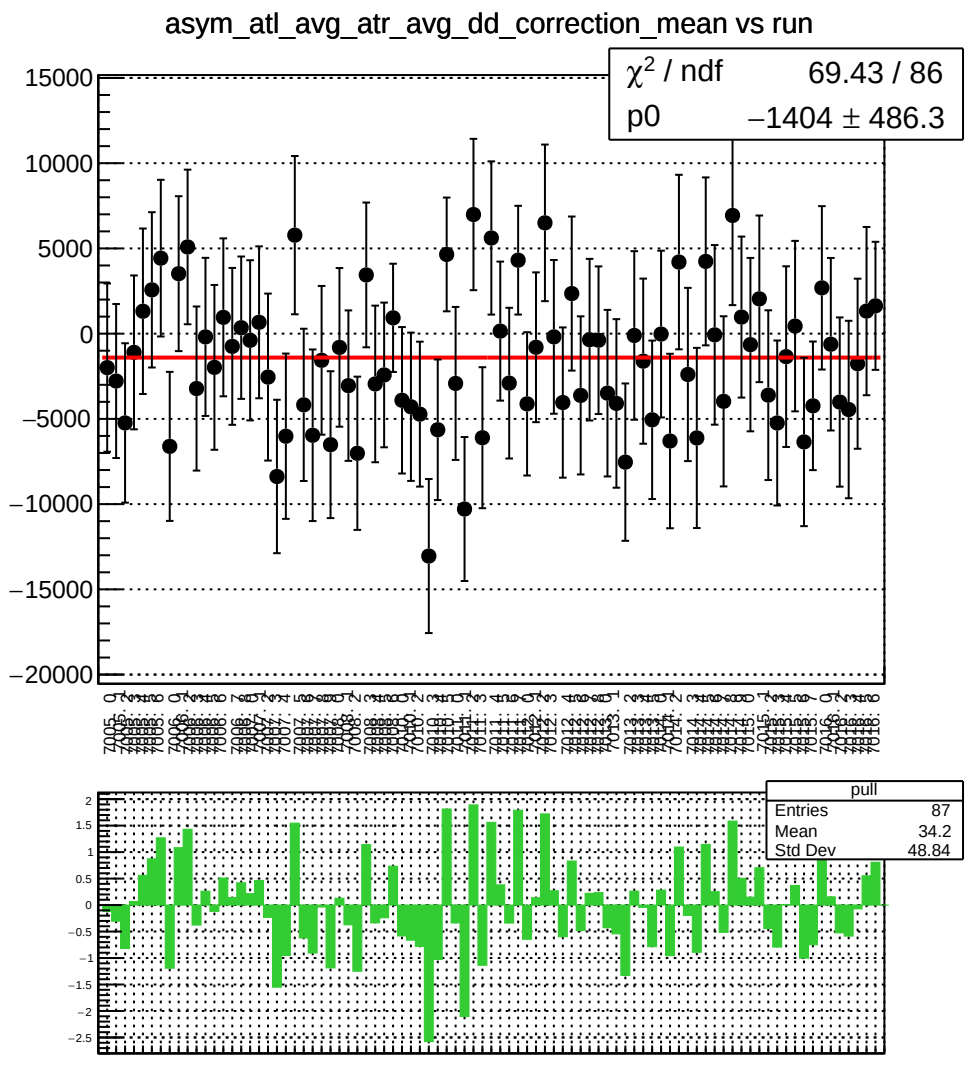

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 79.36 / 86
p0 1.456e+04 ± 5711
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 87
Mean −9.803
Std Dev 36.1
2
1
0
−1
−2

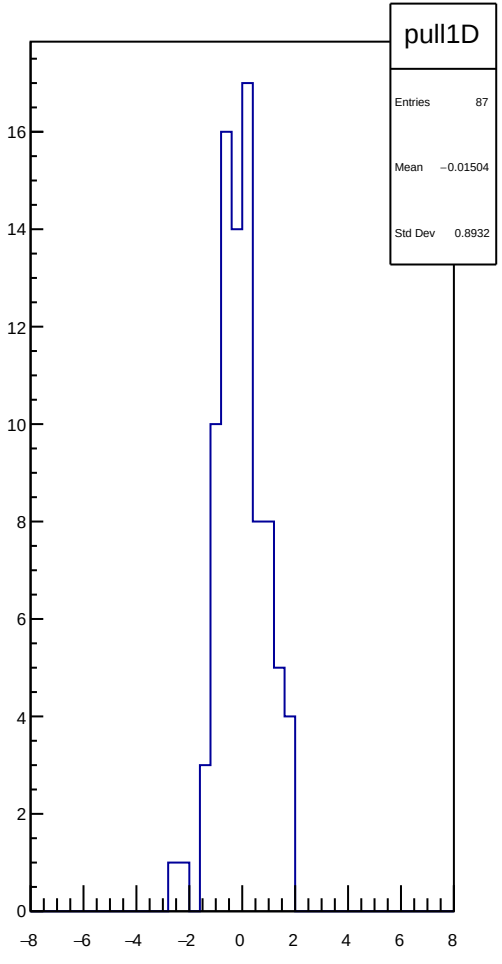

pull1D
Entries 87
Mean 0.007684
Std Dev 0.955
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

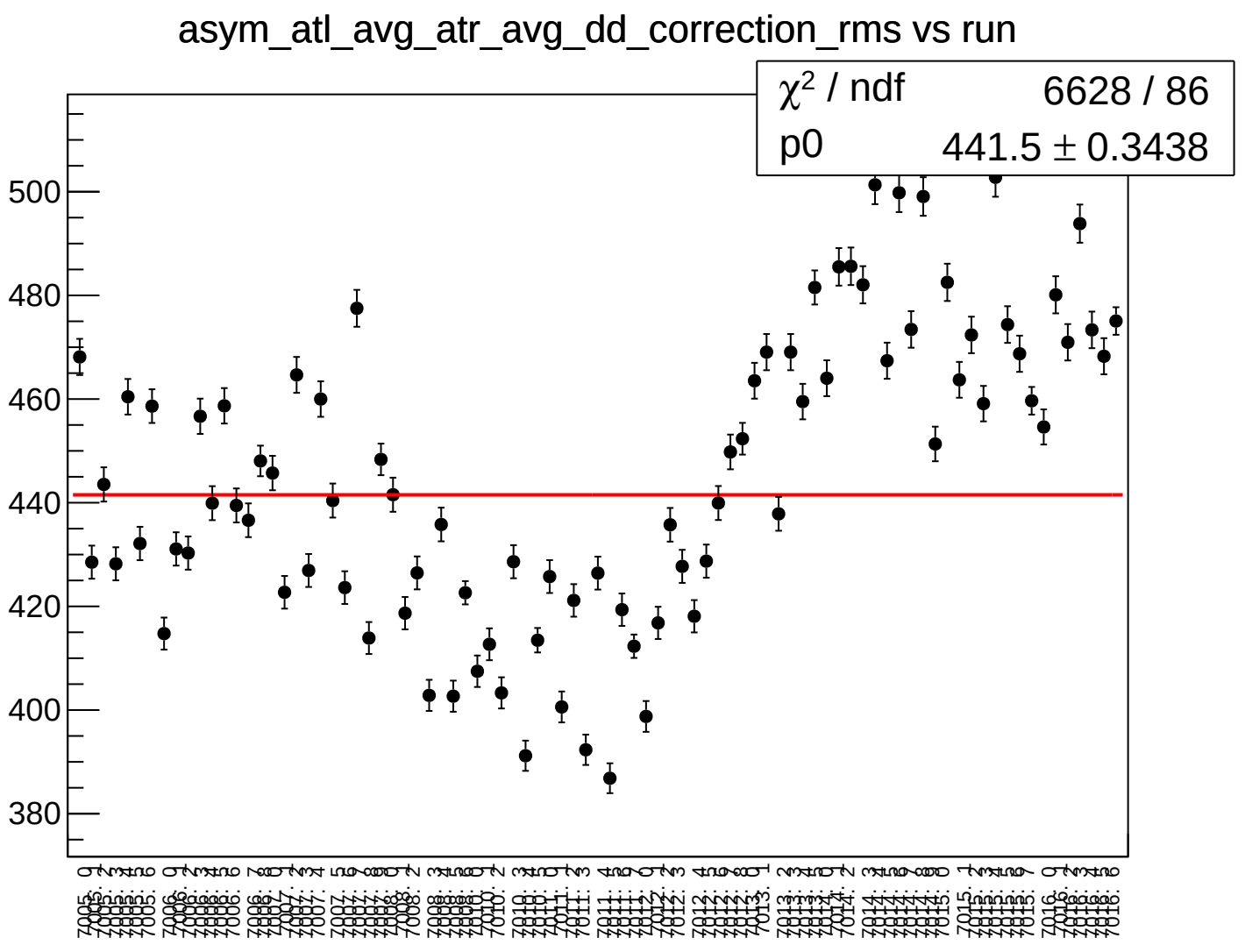

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8284 / 86
p0 5183 ± 4.039
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

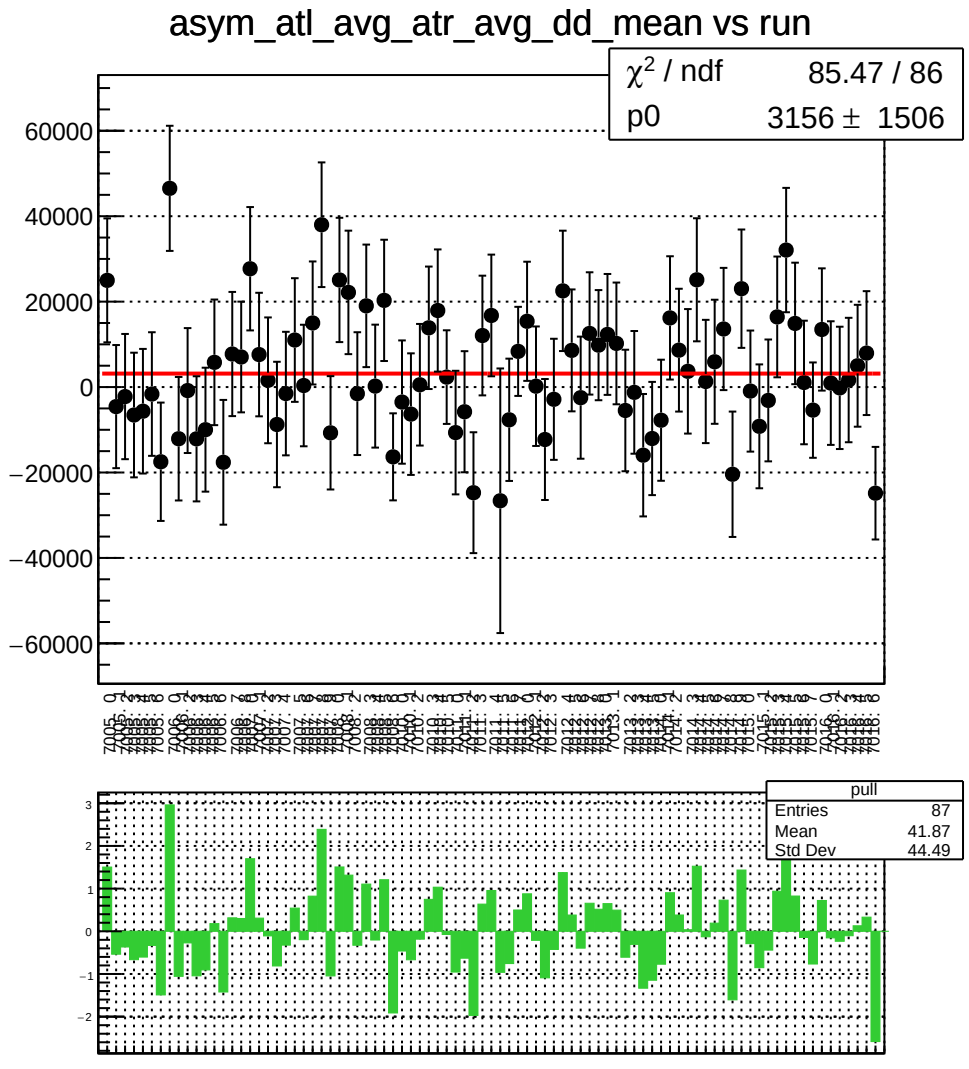

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 92.16 / 86
p0 1759 ± 1429
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 45.17
Std Dev 42.28
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01019
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

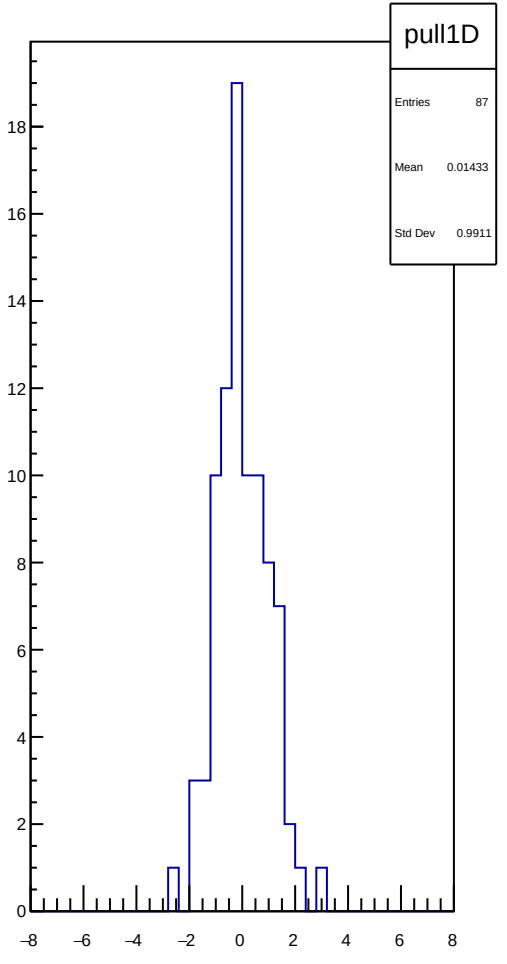

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5886 / 86
p0 1298 ± 1.011
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

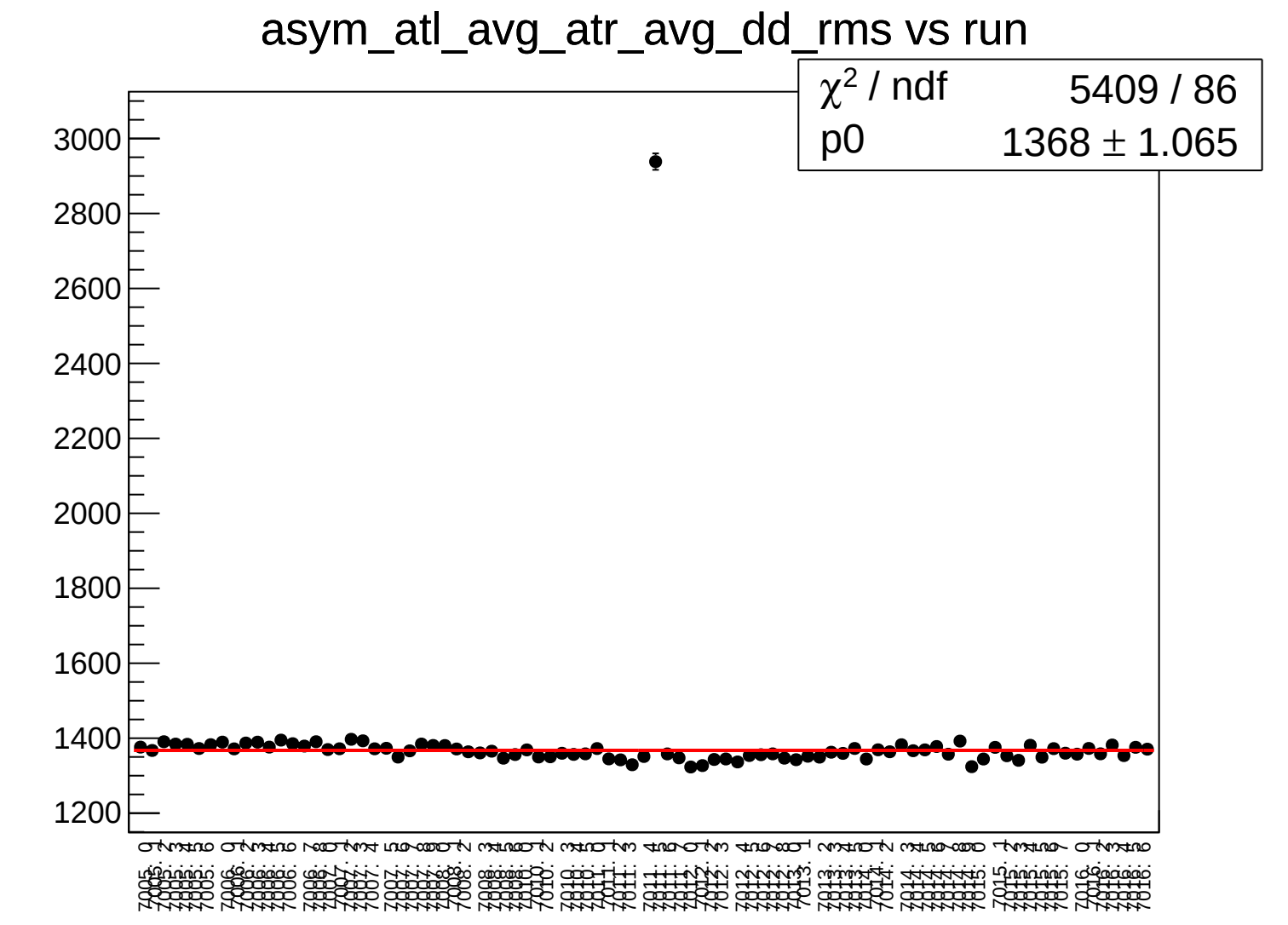

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 69.43 / 86
p0 −1404 ± 486.3
pull
Entries 87
Mean 34.2
Std Dev 48.84

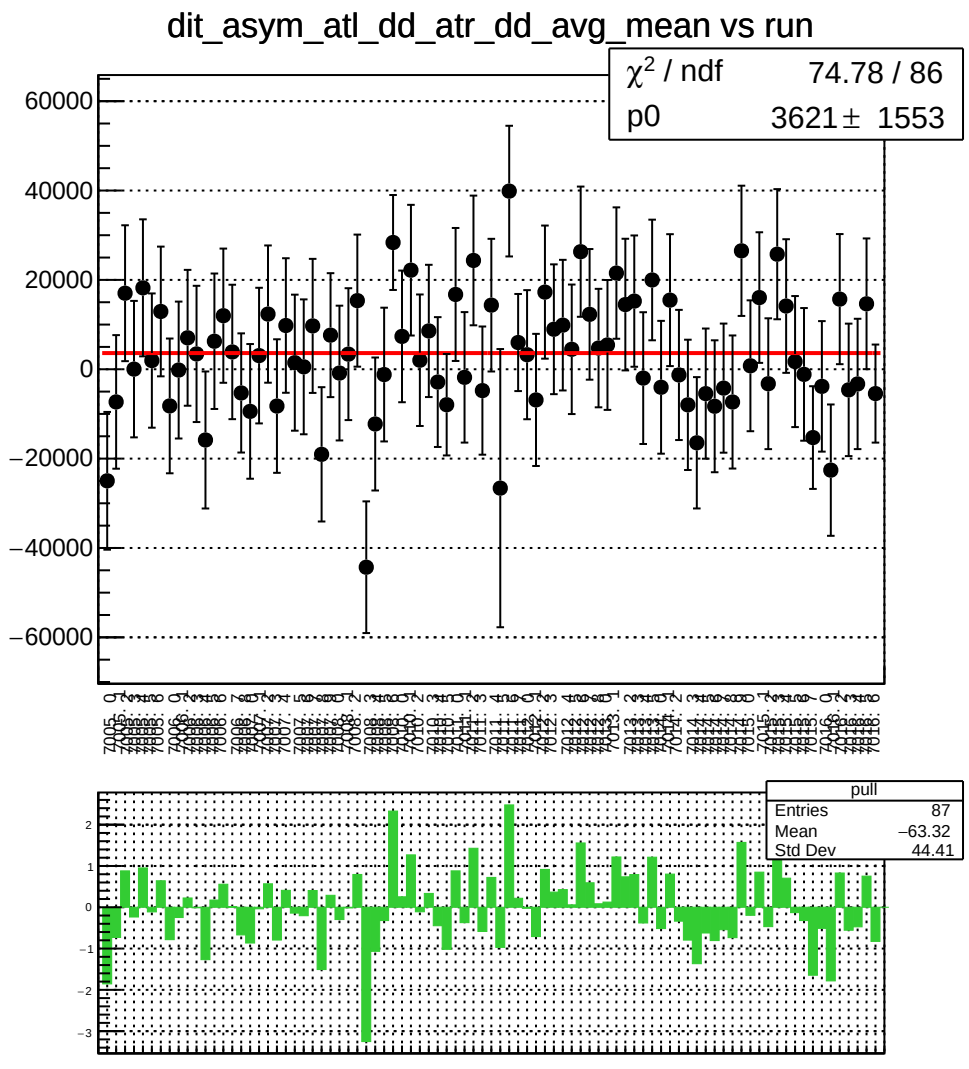

pull1D
Entries 87
Mean −0.01504
Std Dev 0.8932

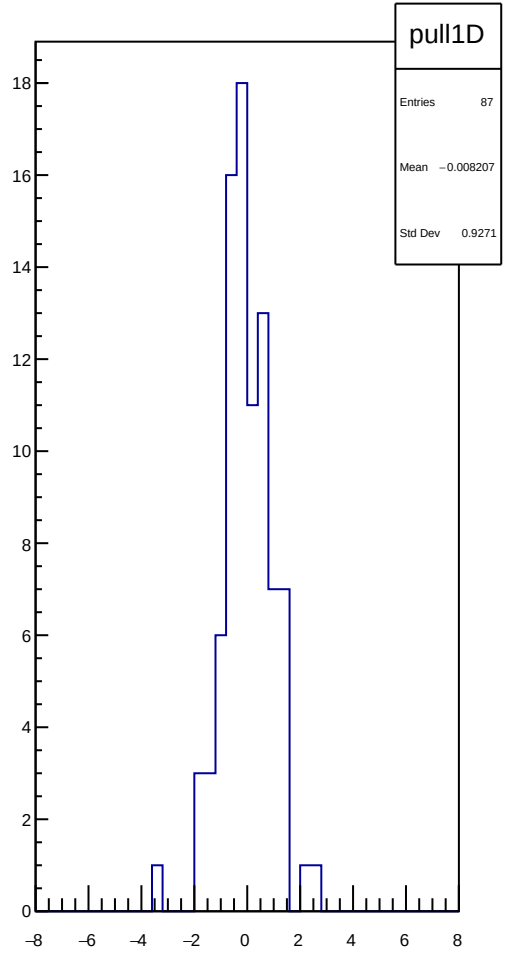

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 6628 / 86
p0 441.5 ± 0.3438
500
480
460
440
420
400
380

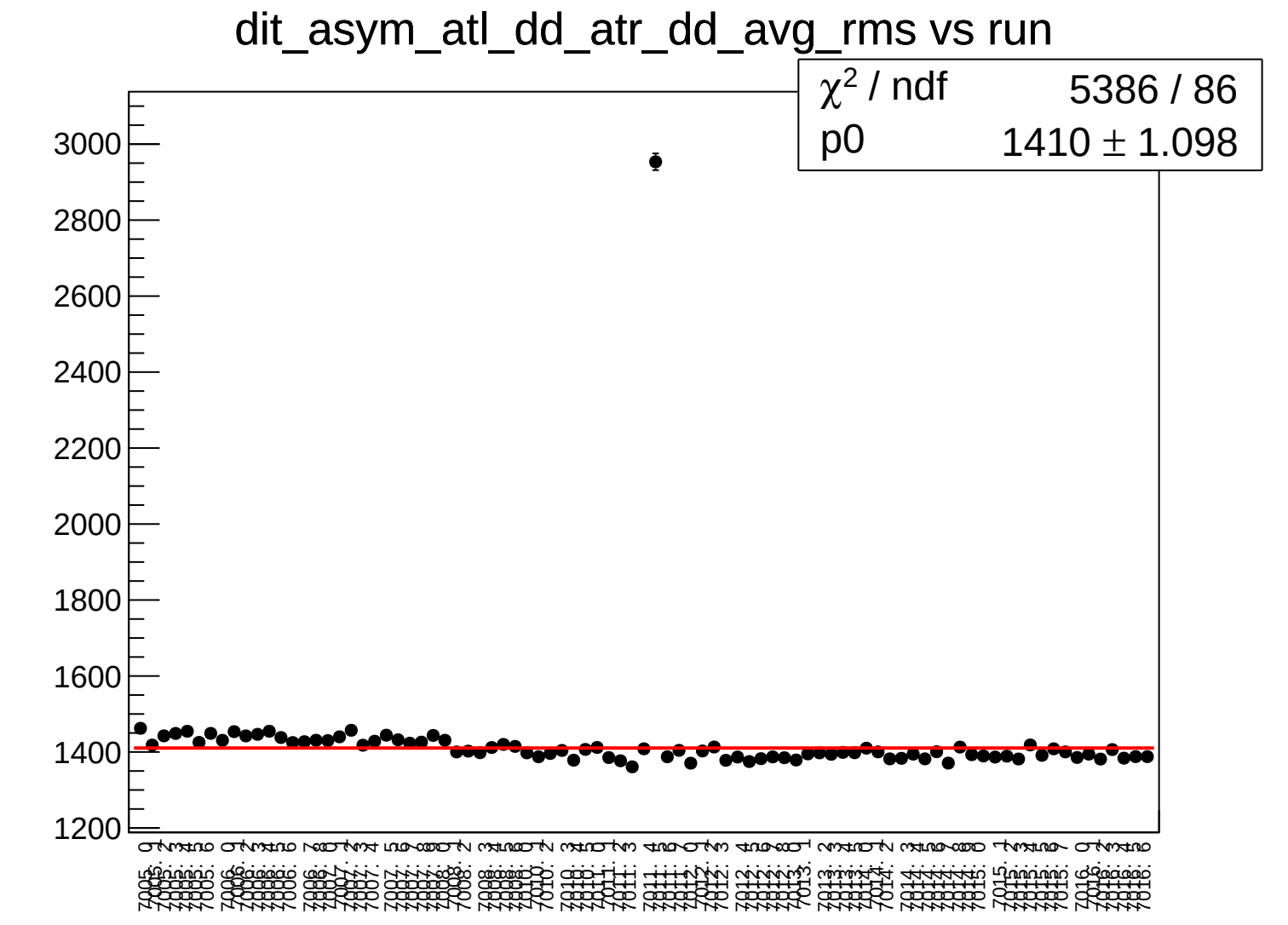

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.47 / 86
p0 3156 ± 1506
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 41.87
Std Dev 44.49
3
2
1
0
−1
−2

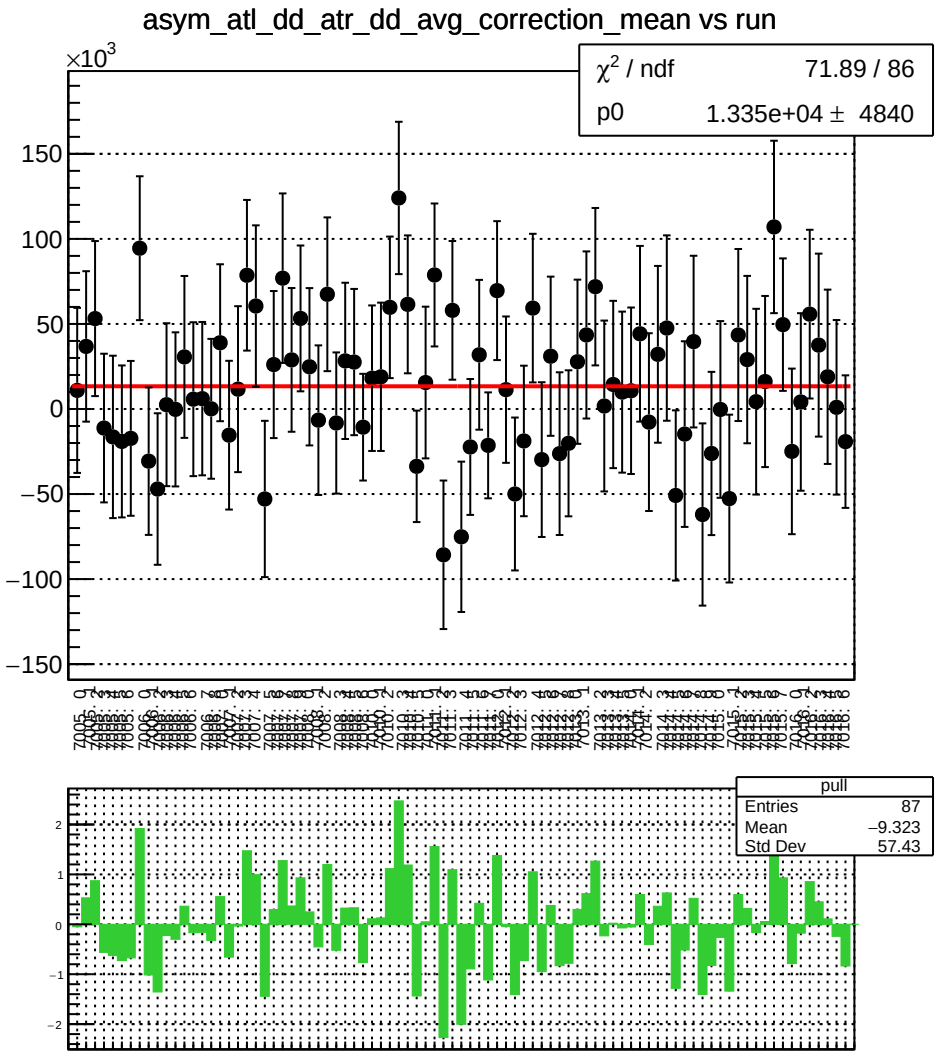

pull1D
Entries 87
Mean 0.01433
Std Dev 0.9911
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

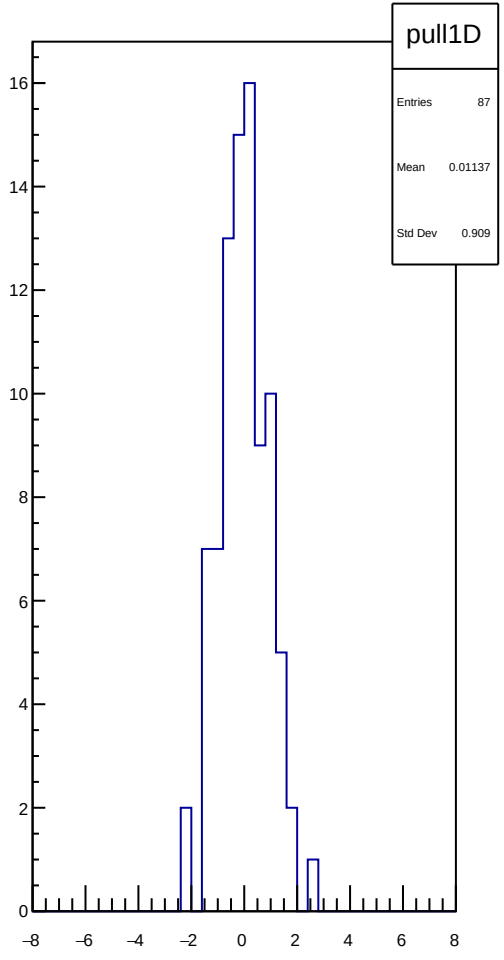

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5409 / 86
p0 1368 ± 1.065
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

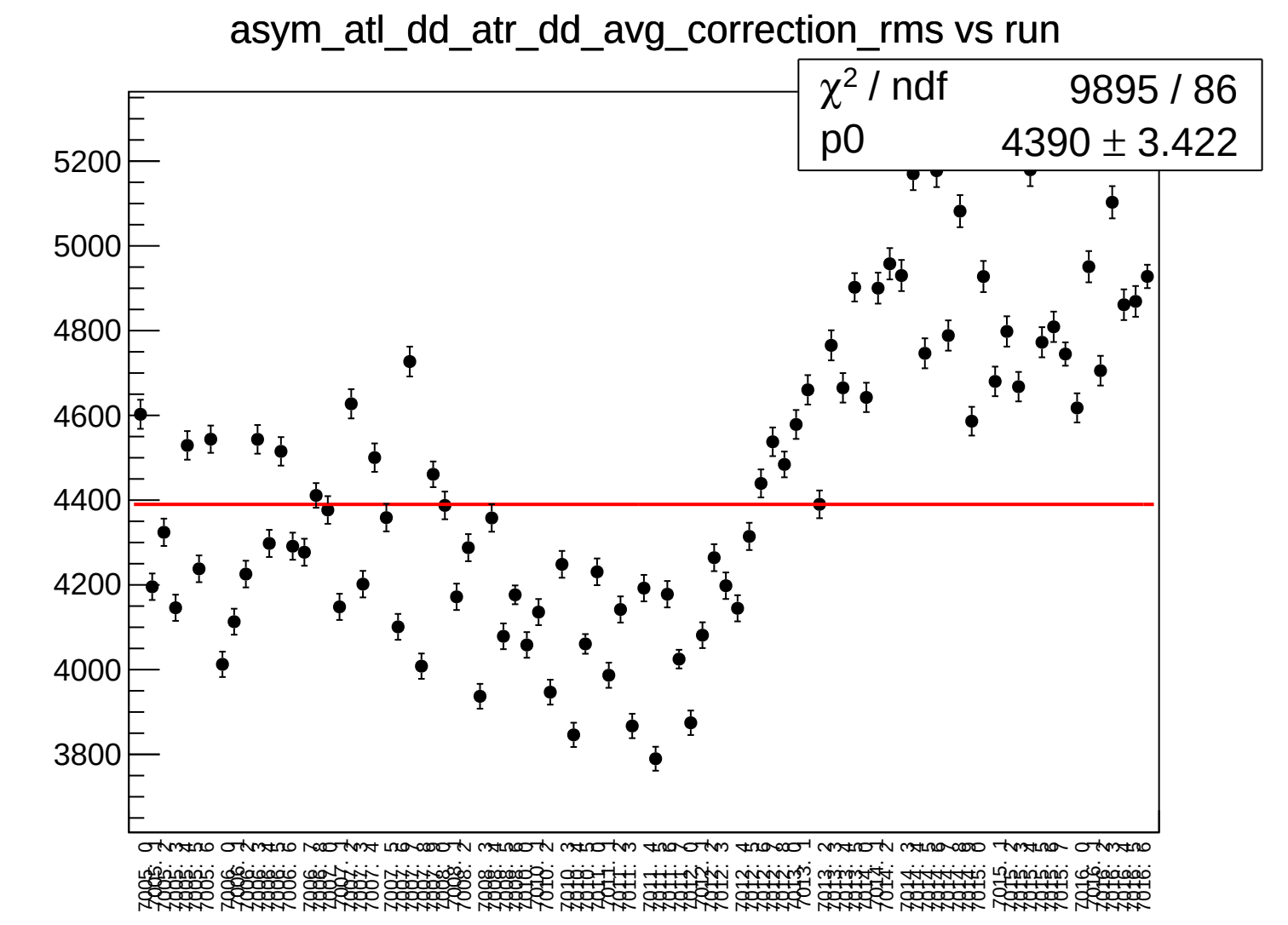

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 74.78 / 86
p0 3621 ± 1553
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −63.32
Std Dev 44.41
2
1
0
−1
−2
−3

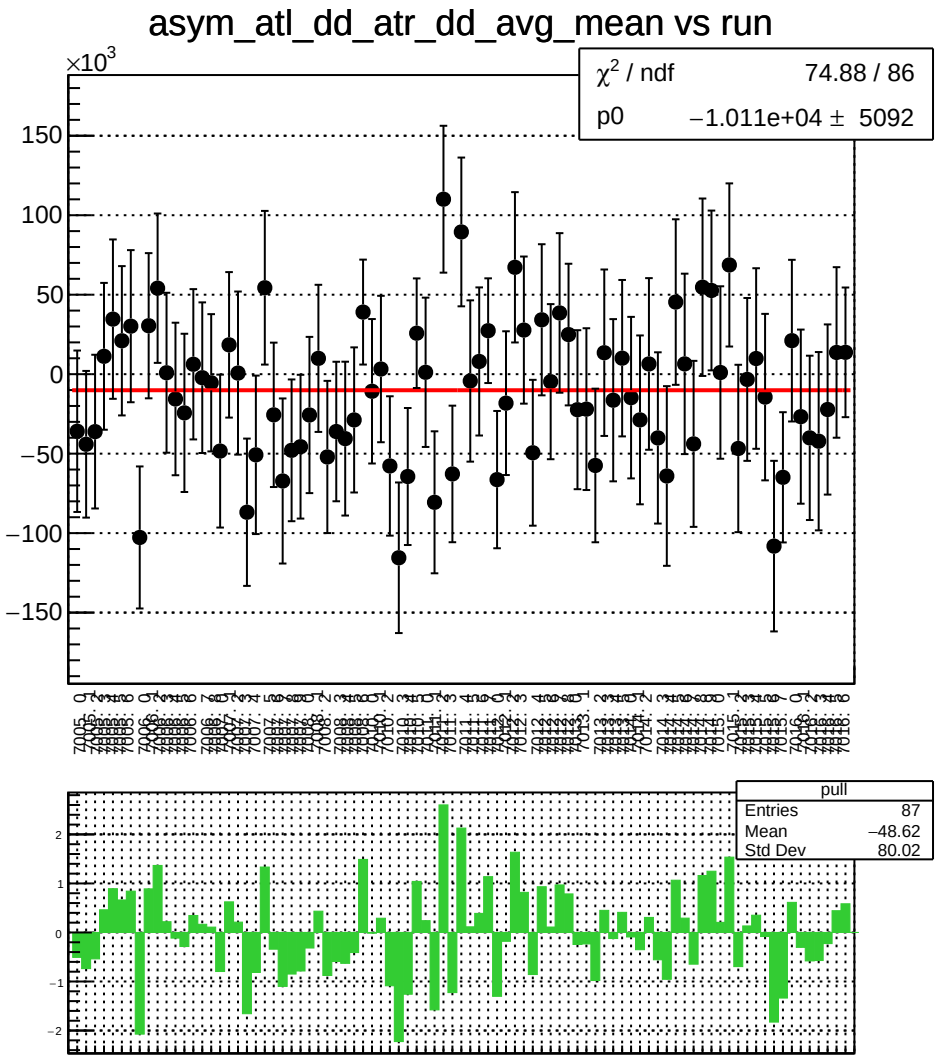

pull1D
Entries 87
Mean −0.008207
Std Dev 0.9271
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

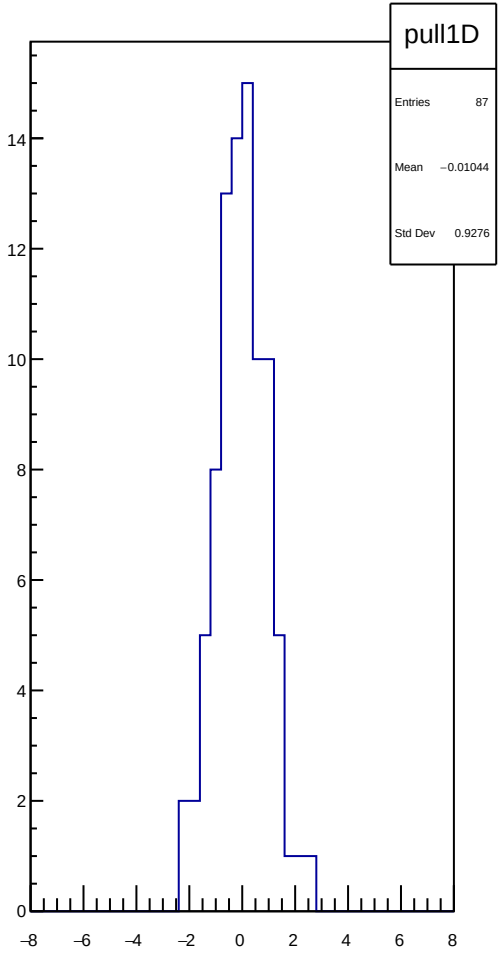

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5386 / 86
p0 1410 ± 1.098
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

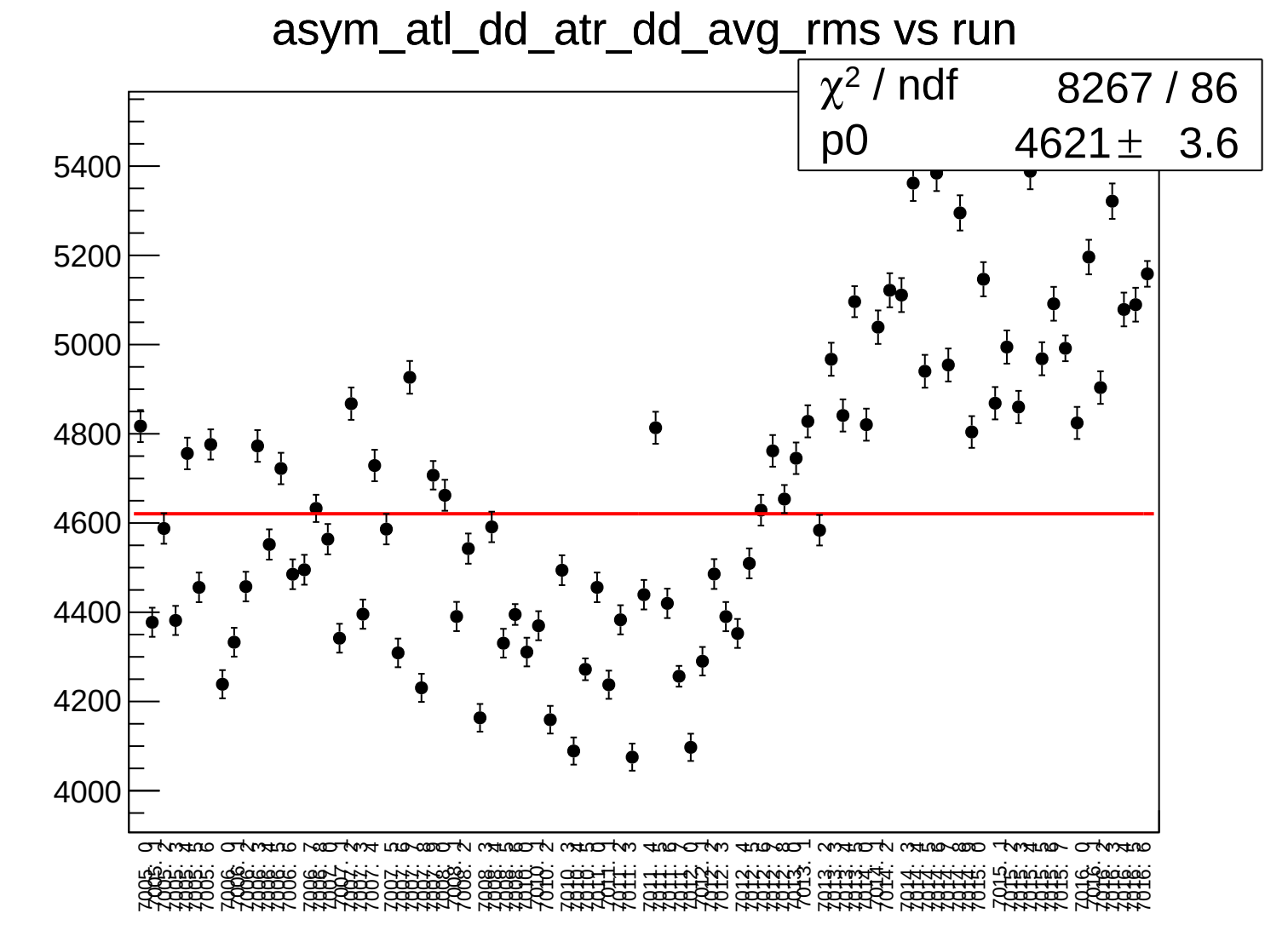

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 71.89 / 86
p0 1.335e+04 ± 4840
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −9.323
Std Dev 57.43
2
1
0
−1
−2

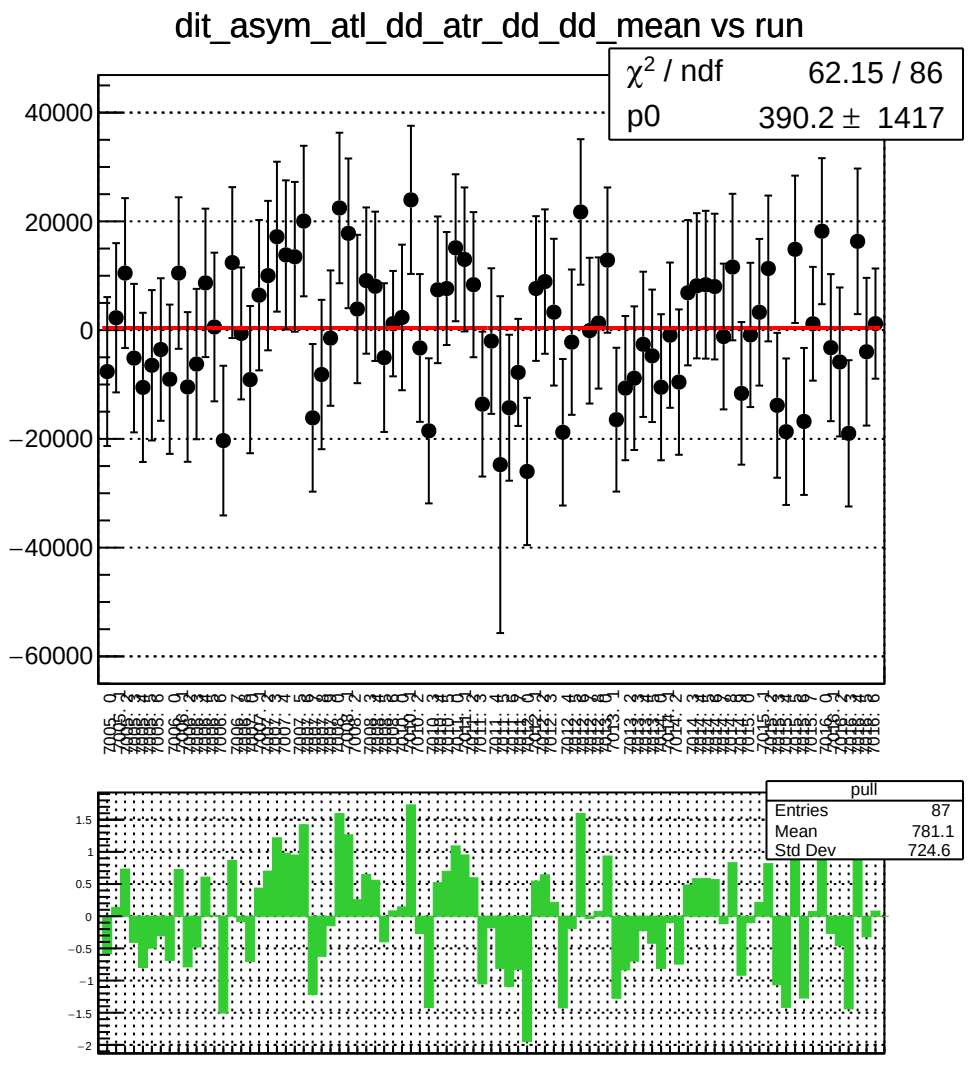

pull1D
Entries 87
Mean 0.01137
Std Dev 0.909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

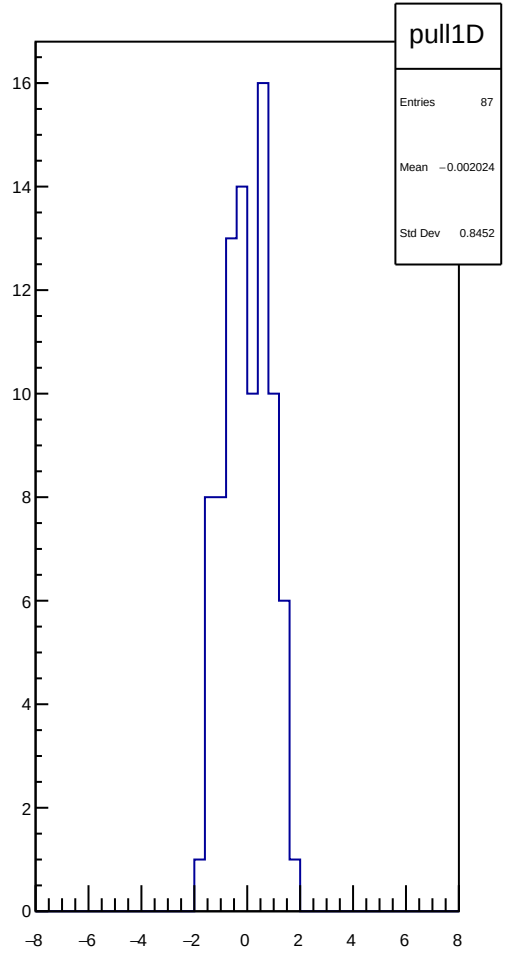

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 9895 / 86
p0 4390 ± 3.422
5200
5000
4800
4600
4400
4200
4000
3800

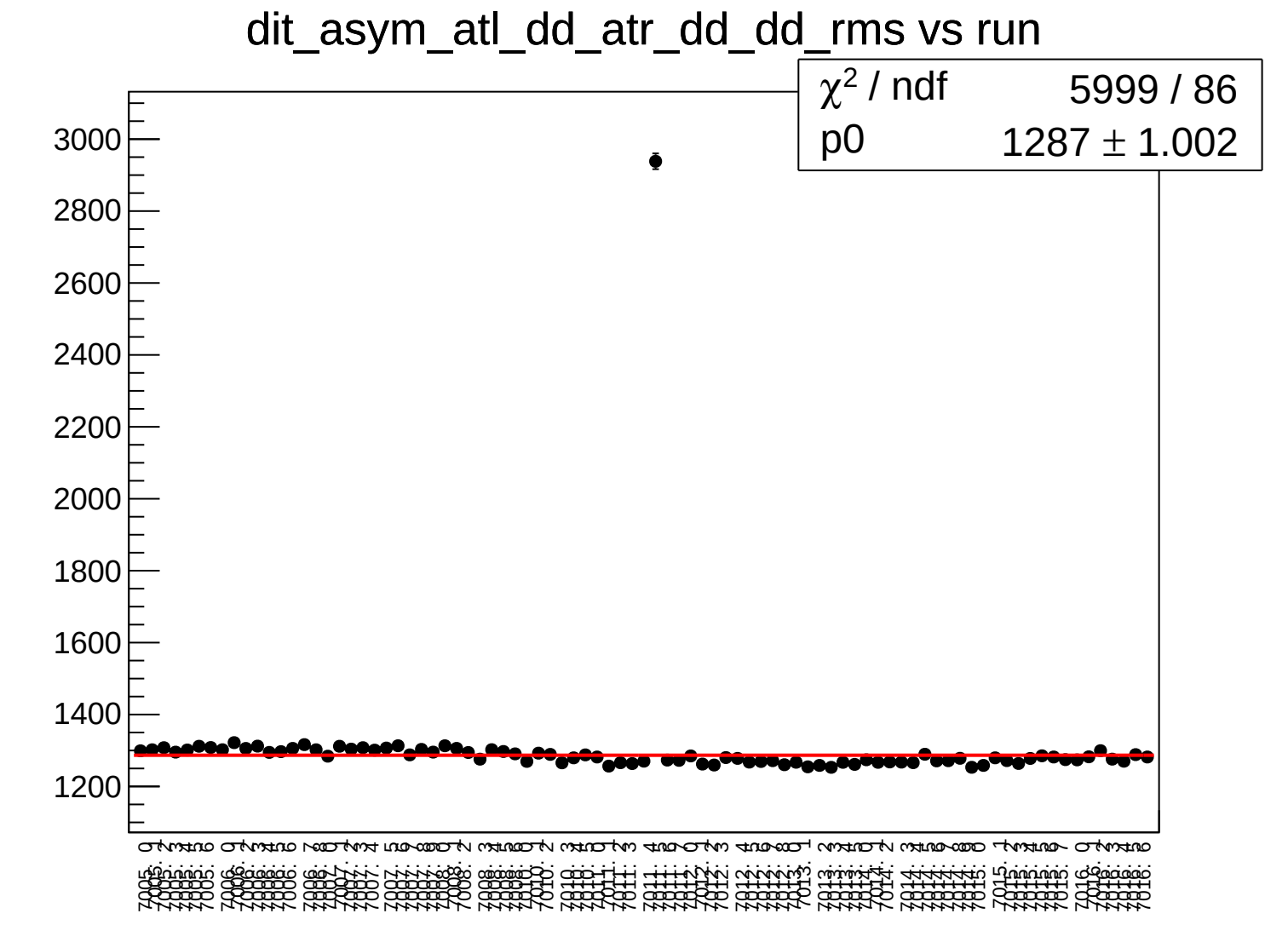

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 74.88 / 86
p0 −1.011e+04 ± 5092
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −48.62
Std Dev 80.02
2
1
0
−1
−2

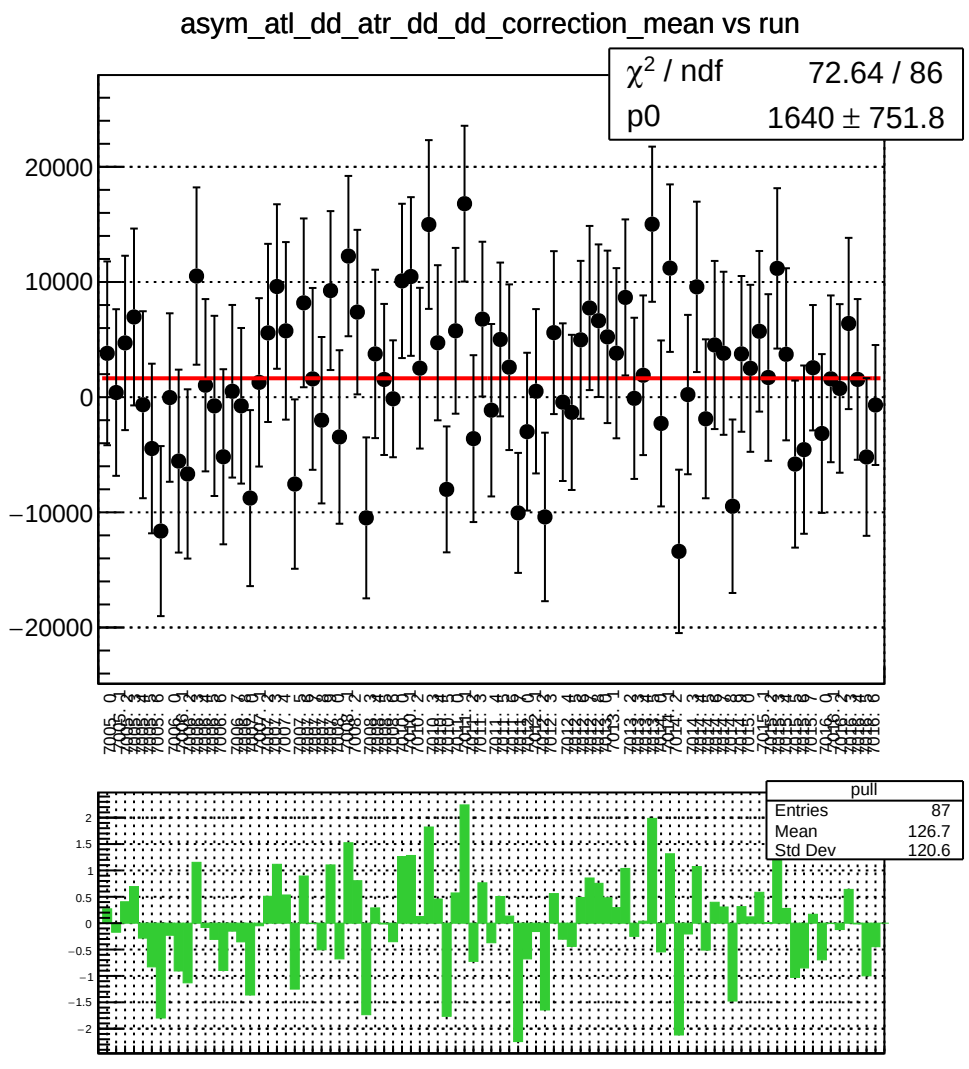

pull1D
Entries 87
Mean −0.01044
Std Dev 0.9276
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

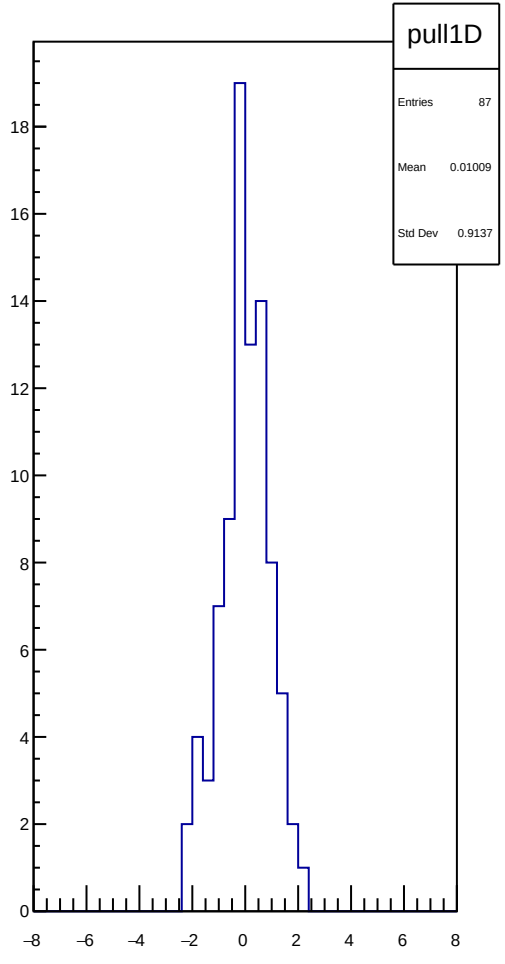

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 8267 / 86
p0 4621 ± 3.6
5400
5200
5000
4800
4600
4400
4200
4000

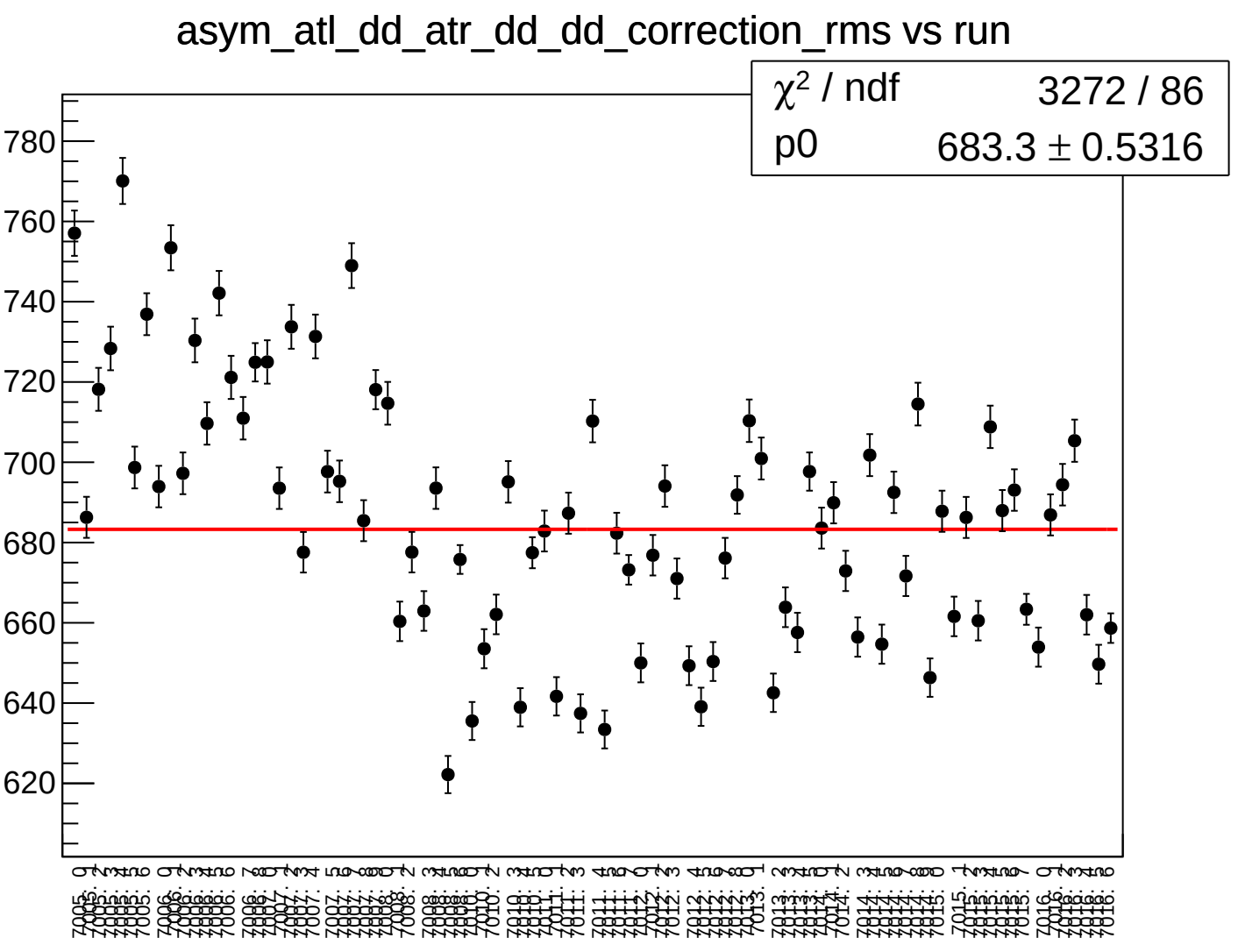

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.15 / 86
p0 390.2 ± 1417
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 781.1
Std Dev 724.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

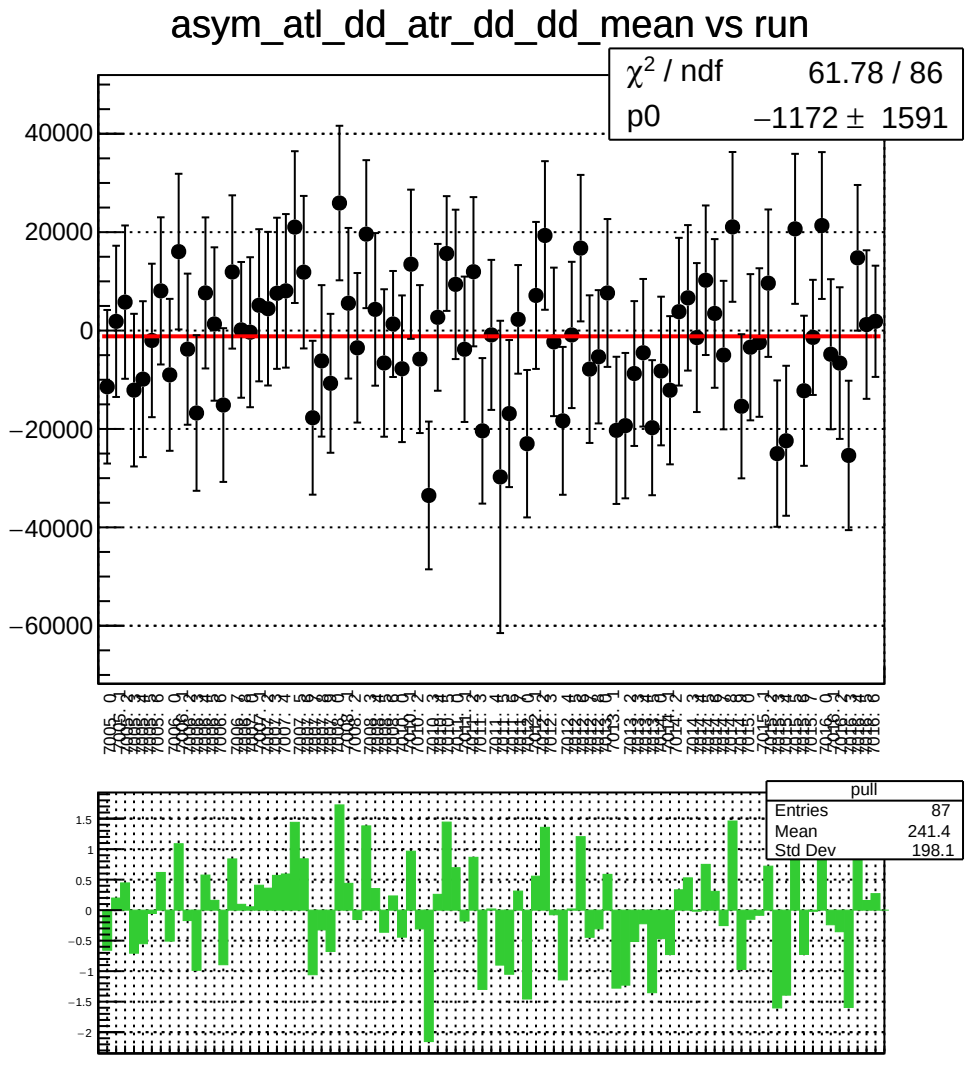

pull1D
Entries 87
Mean −0.002024
Std Dev 0.8452
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

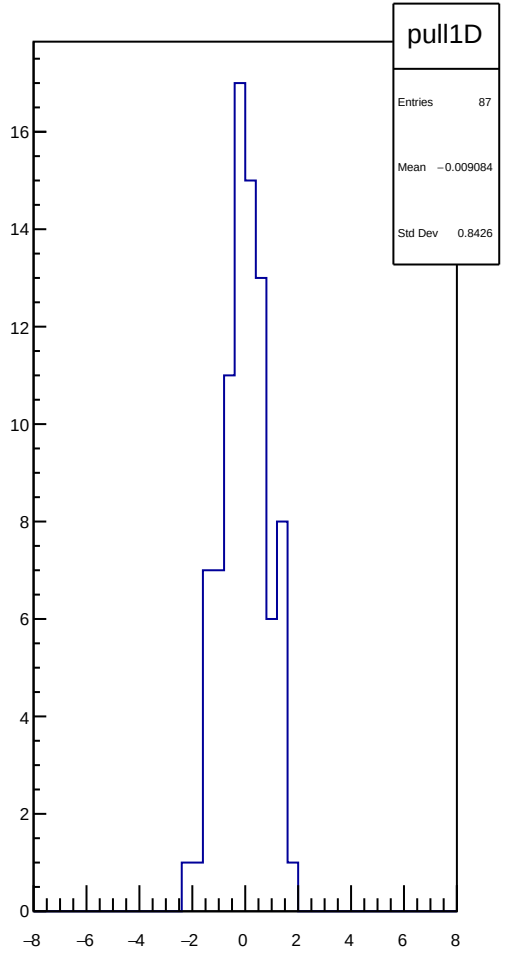

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5999 / 86
p0 1287 ± 1.002
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

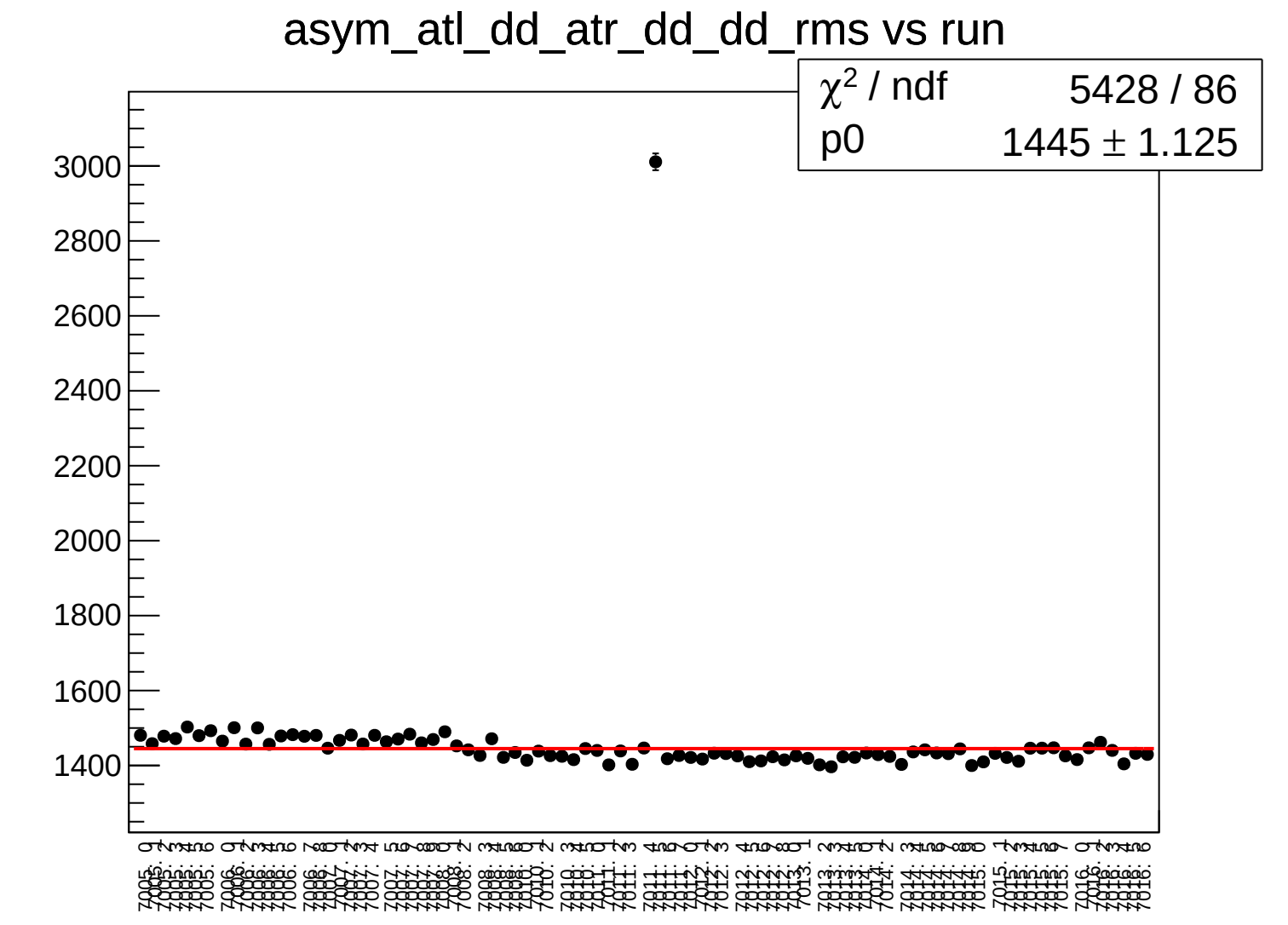

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 72.64 / 86
p0 1640 ± 751.8
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 126.7
Std Dev 120.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

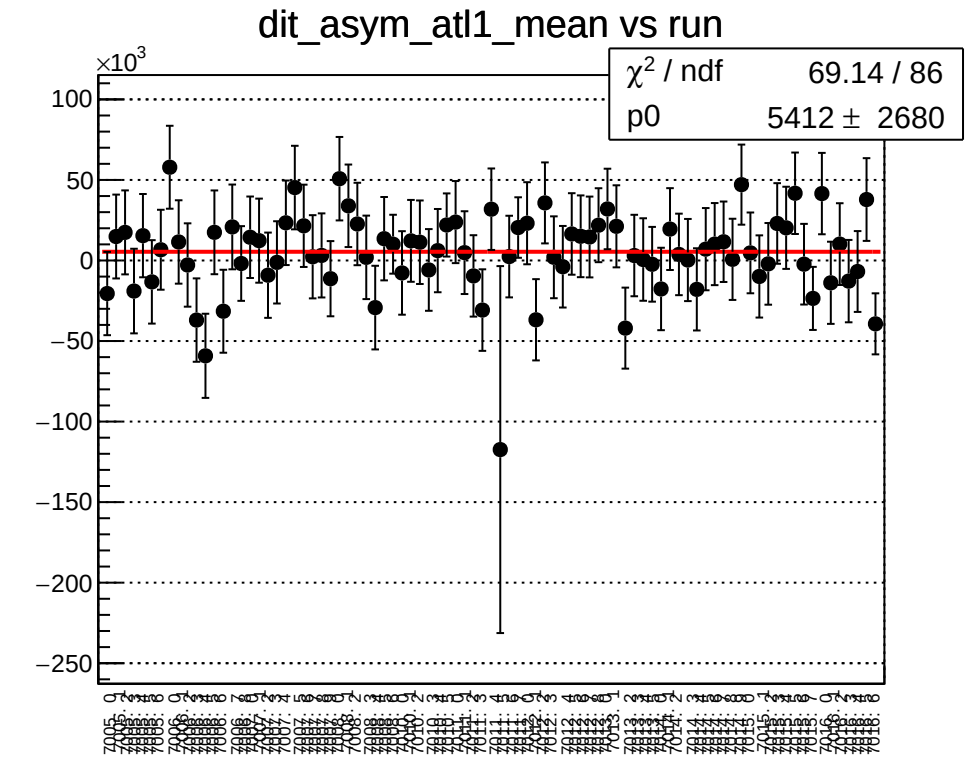

pull1D
Entries 87
Mean 0.01009
Std Dev 0.9137
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

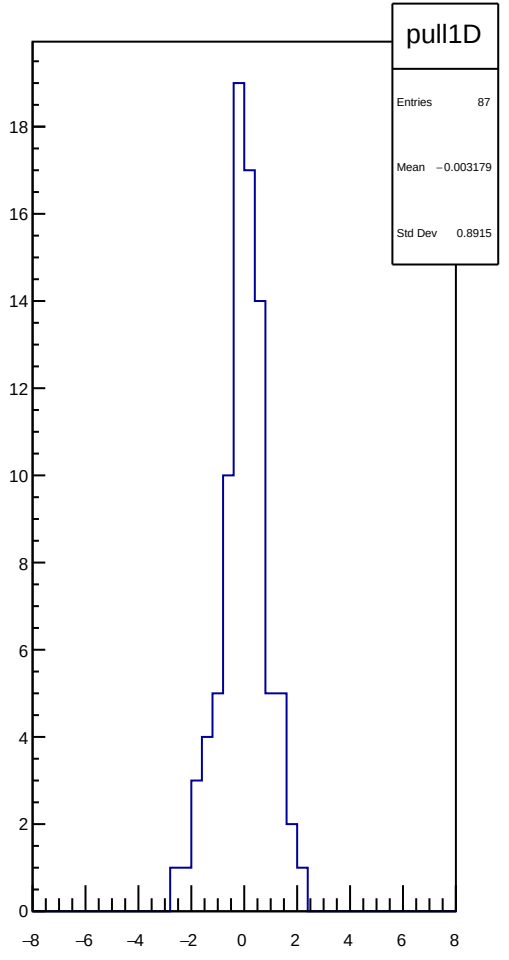

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3272 / 86
p0 683.3 ± 0.5316
780
760
740
720
700
680
660
640
620

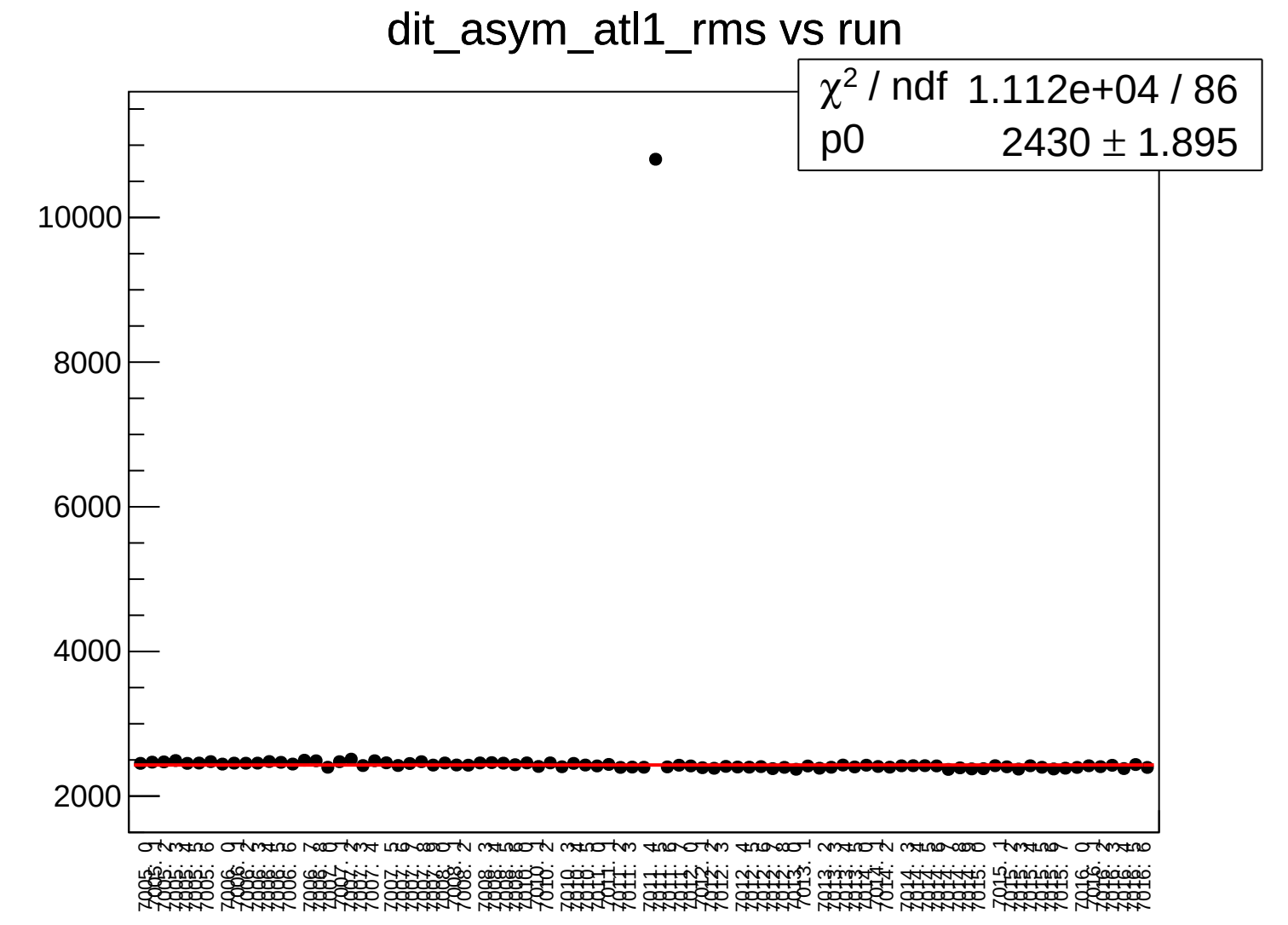

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.78 / 86
p0 −1172 ± 1591
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 241.4
Std Dev 198.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

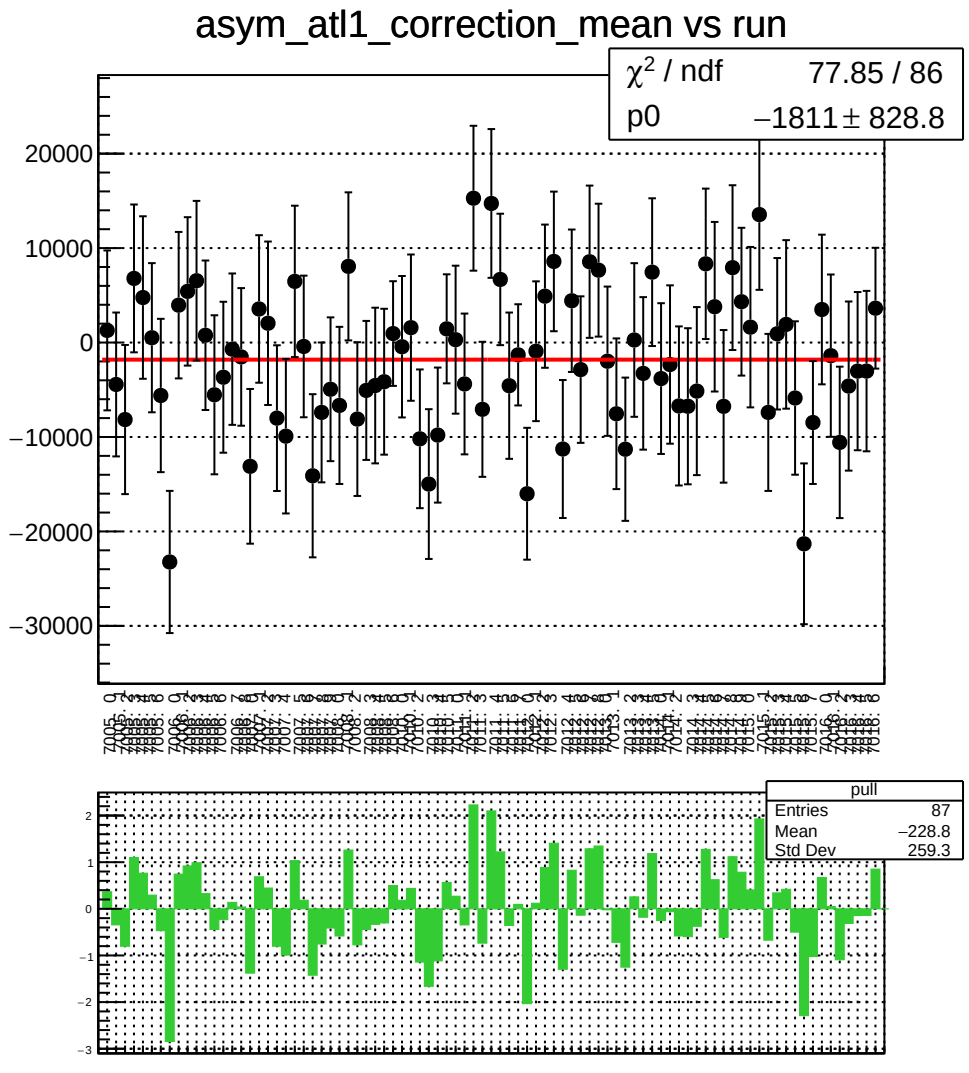

pull1D
Entries 87
Mean −0.009084
Std Dev 0.8426
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

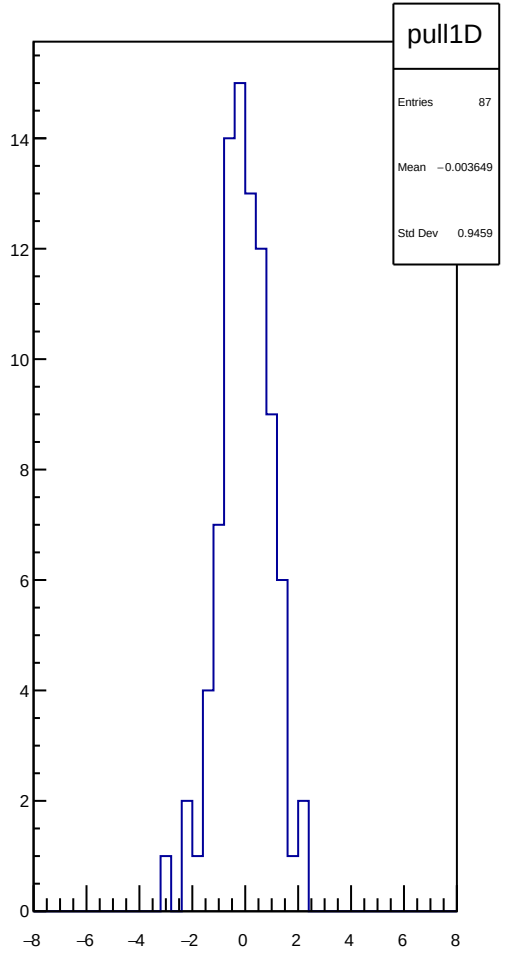

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5428 / 86
p0 1445 ± 1.125
3000
2800
2600
2400
2200
2000
1800
1600
1400

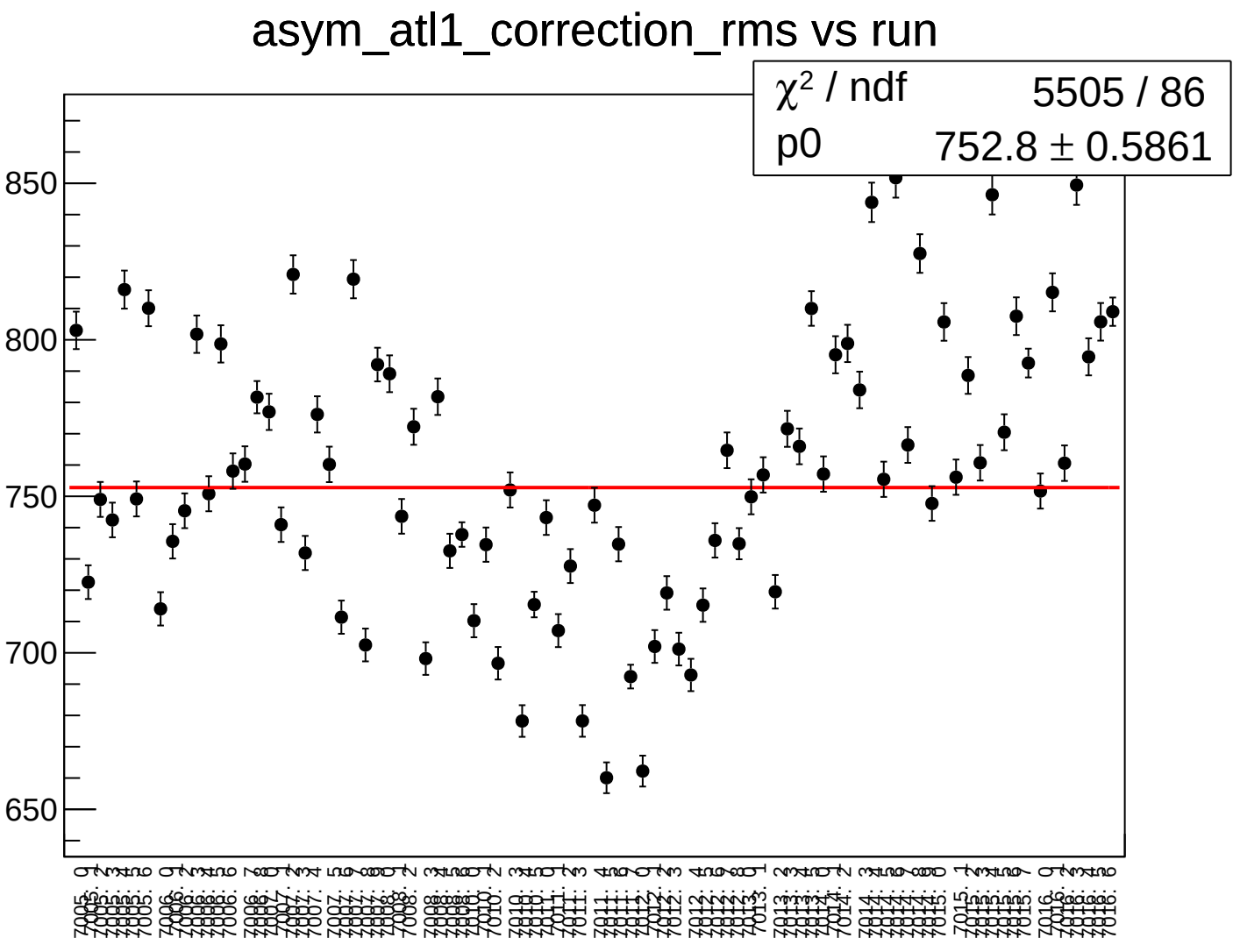

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 69.14 / 86
p0 5412 ± 2680
100
50
0
−50
−100
−150
−200
−250
pull
Entries 87
Mean 12.08
Std Dev 134.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

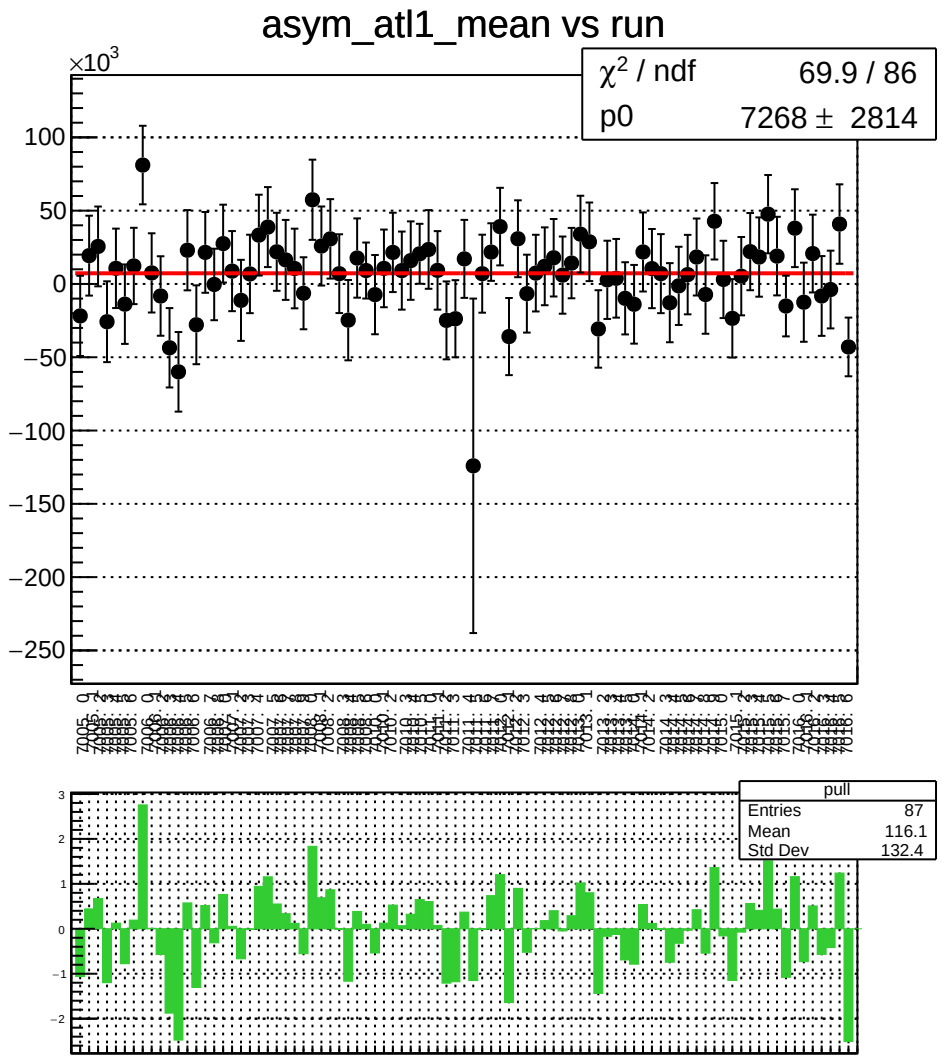

pull1D
Entries 87
Mean −0.003179
Std Dev 0.8915
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

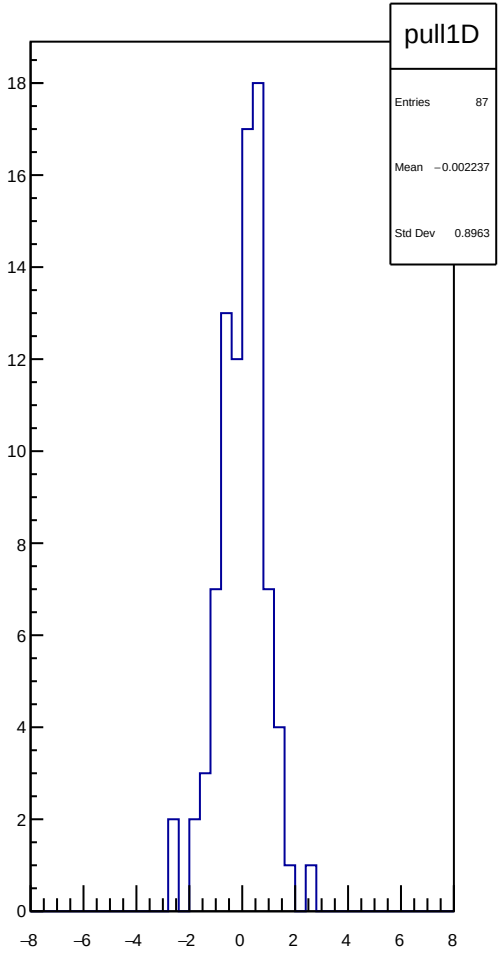

dit_asym_atl1_rms vs run
χ^2 / ndf 1.112e+04 / 86
p0 2430 ± 1.895
10000
8000
6000
4000
2000

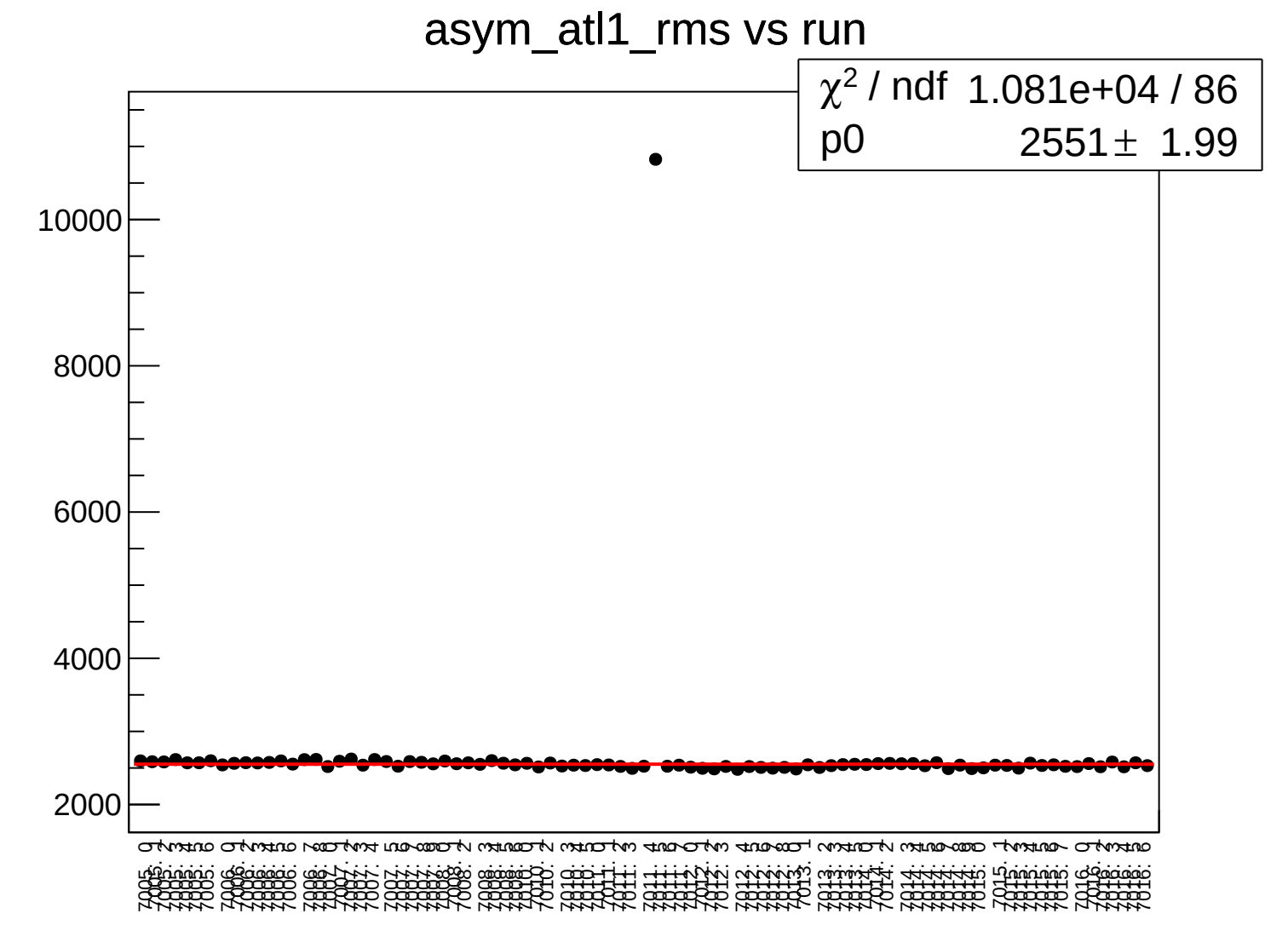

asym_atl1_correction_mean vs run
χ² / ndf 77.85 / 86
p0 −1811 ± 828.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean −228.8
Std Dev 259.3
2
1
0
−1
−2
−3

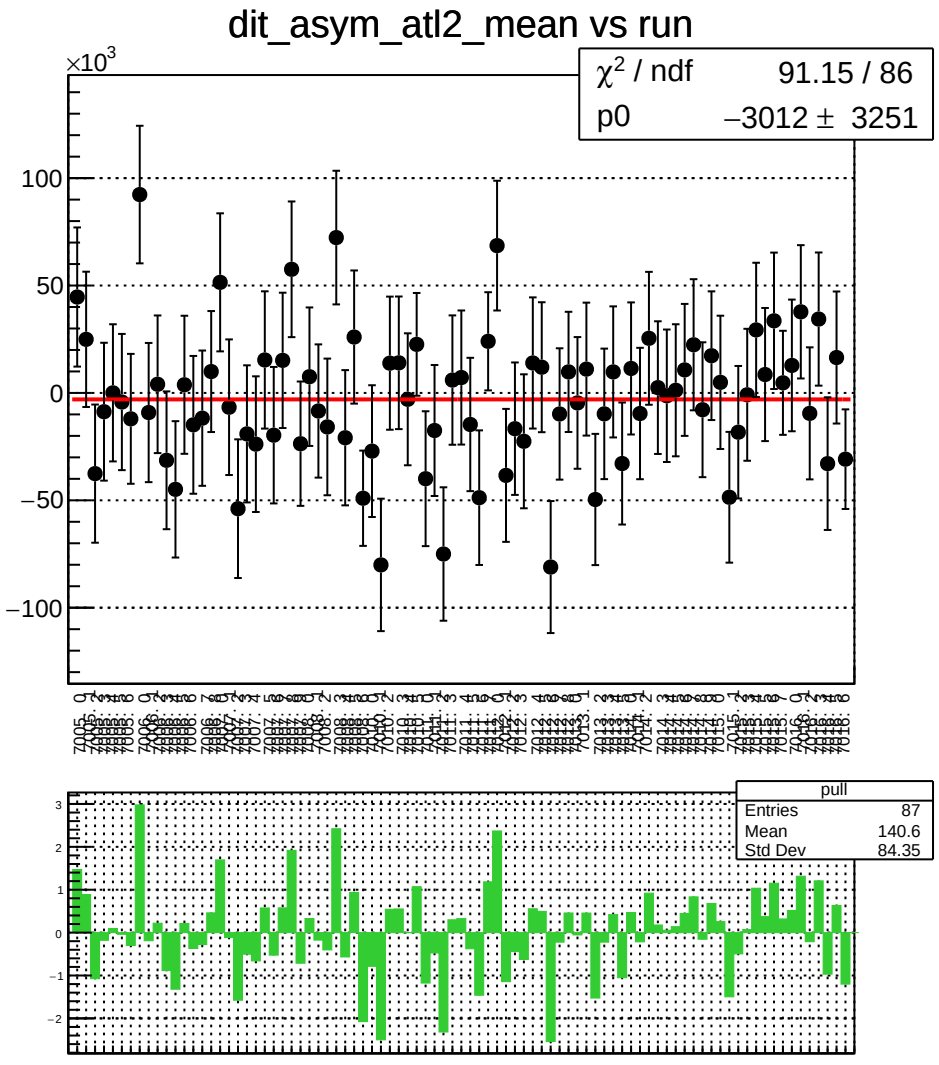

pull1D
Entries 87
Mean −0.003649
Std Dev 0.9459
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

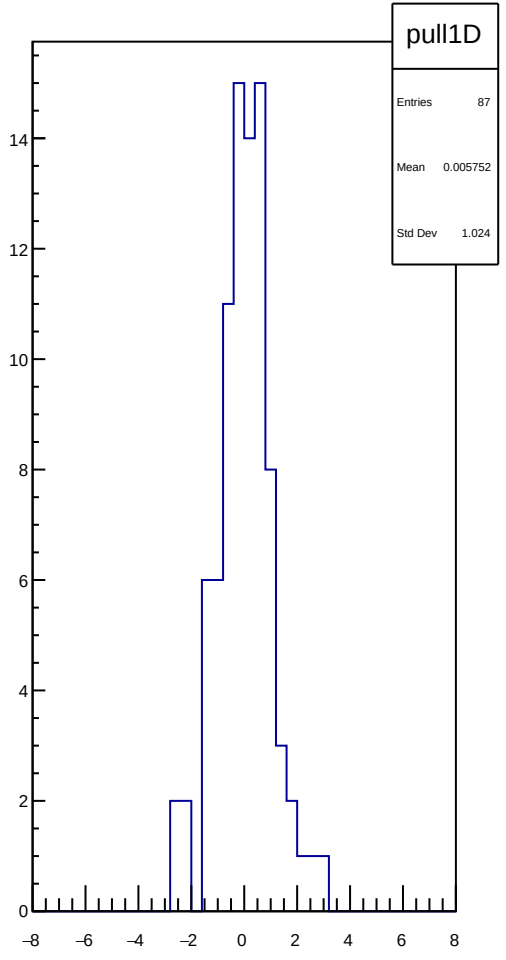

asym_atl1_correction_rms vs run
χ² / ndf 5505 / 86
p0 752.8 ± 0.5861
850
800
750
700
650

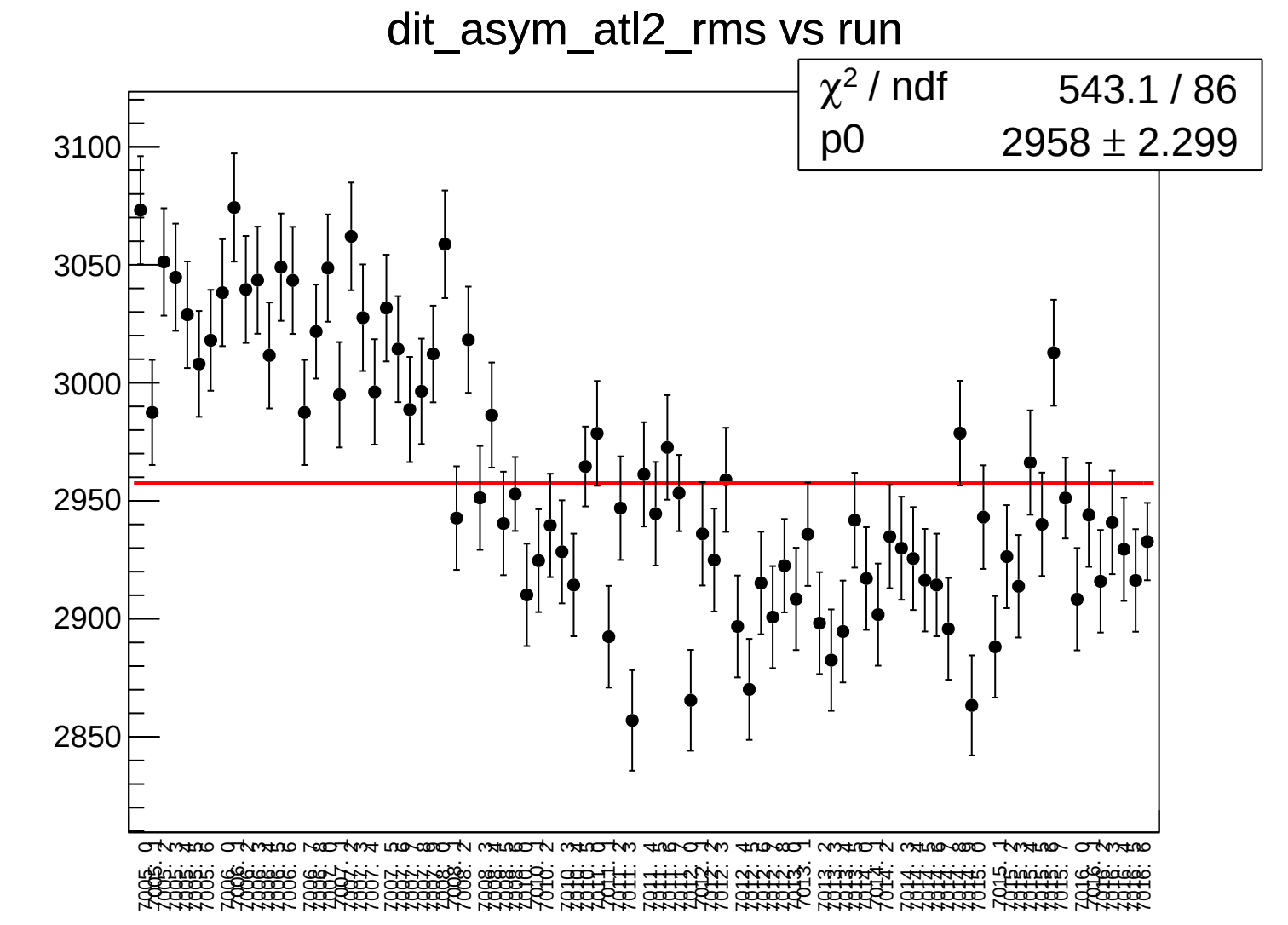

asym_atl1_mean vs run
×10^3
χ^2 / ndf 69.9 / 86
p0 7268 ± 2814
100
50
0
−50
−100
−150
−200
−250
pull
Entries 87
Mean 116.1
Std Dev 132.4
3
2
1
0
−1
−2

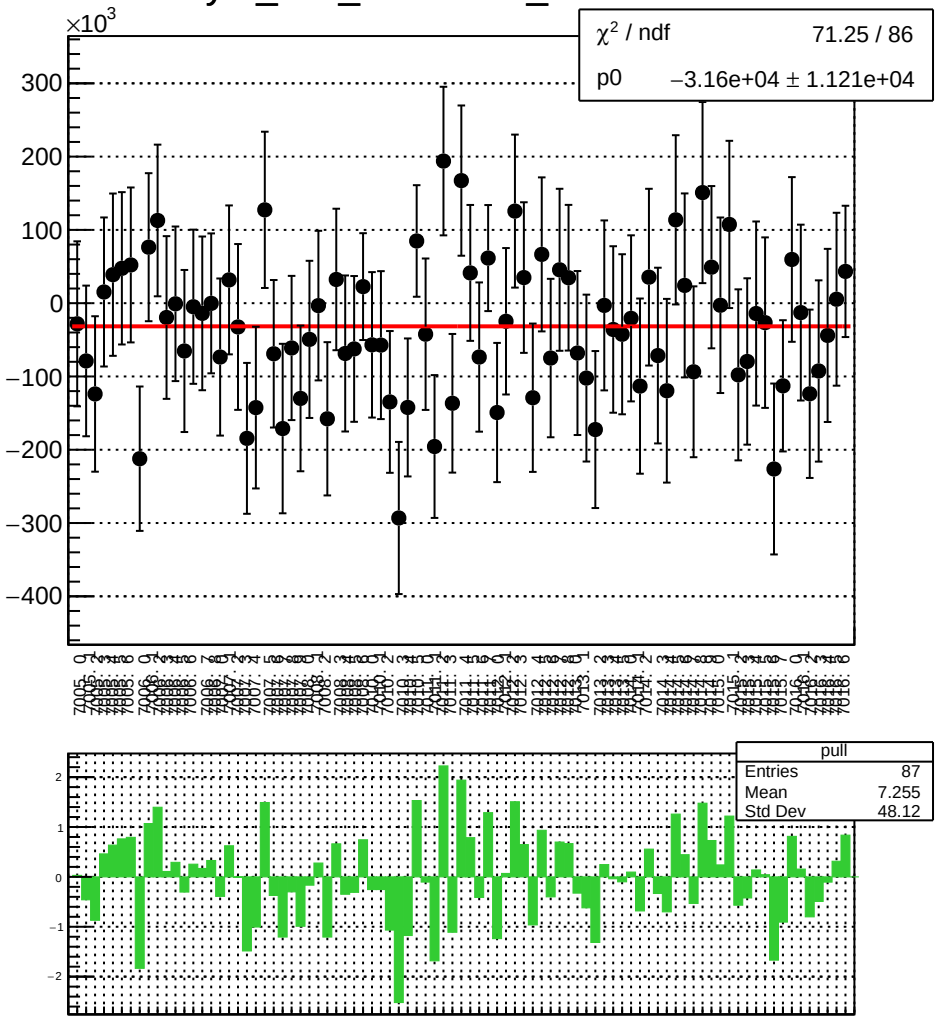

pull1D
Entries 87
Mean −0.002237
Std Dev 0.8963
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

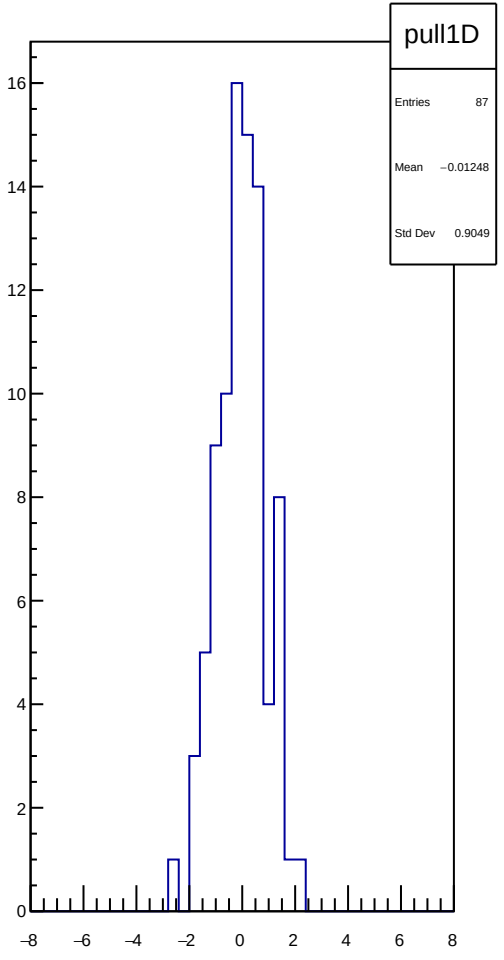

asym_atl1_rms vs run
χ² / ndf 1.081e+04 / 86
p0 2551 ± 1.99
10000
8000
6000
4000
2000

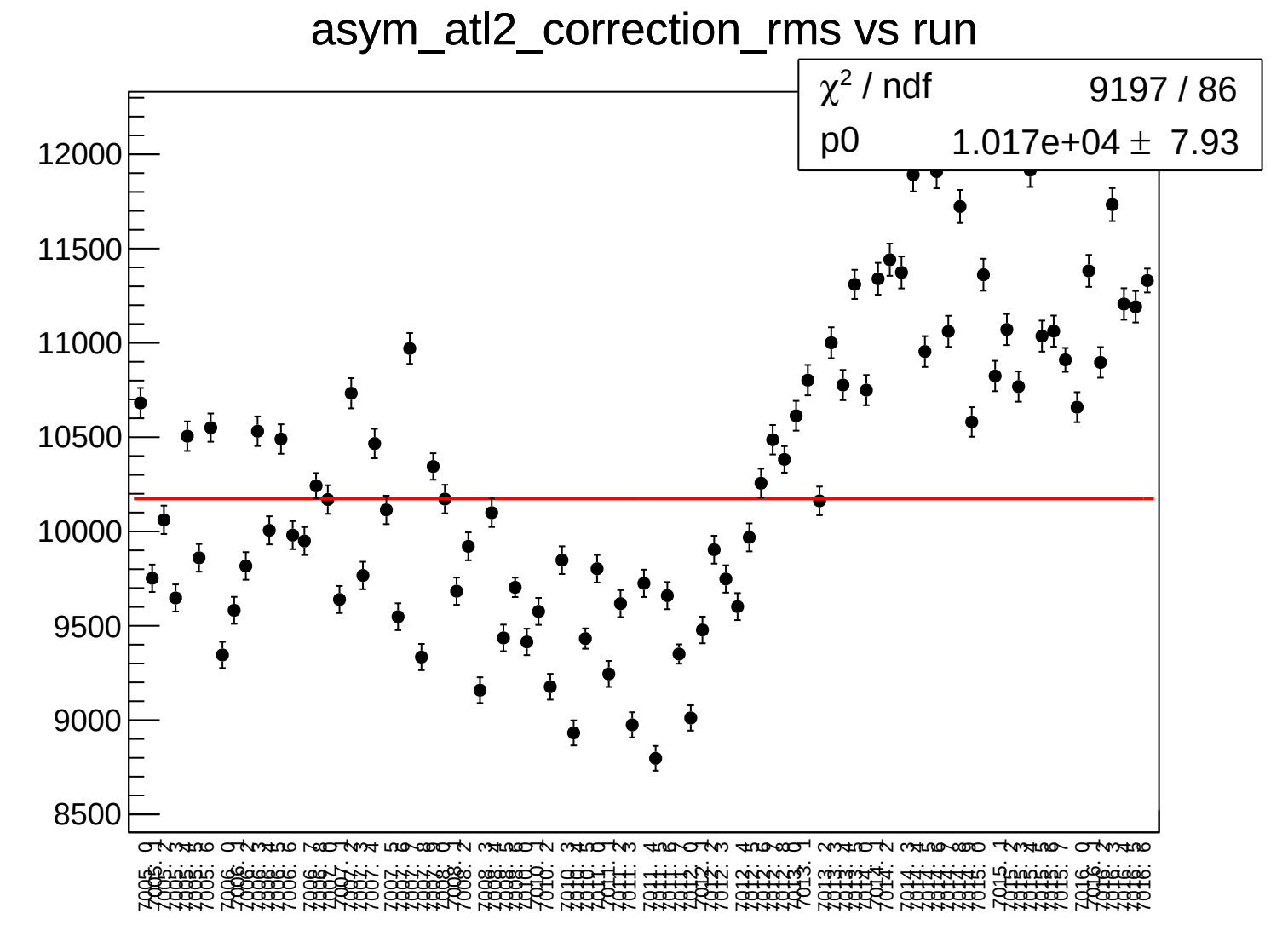

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 91.15 / 86
p0 −3012 ± 3251
100
50
0
−50
−100
pull
Entries 87
Mean 140.6
Std Dev 84.35
3
2
1
0
−1
−2

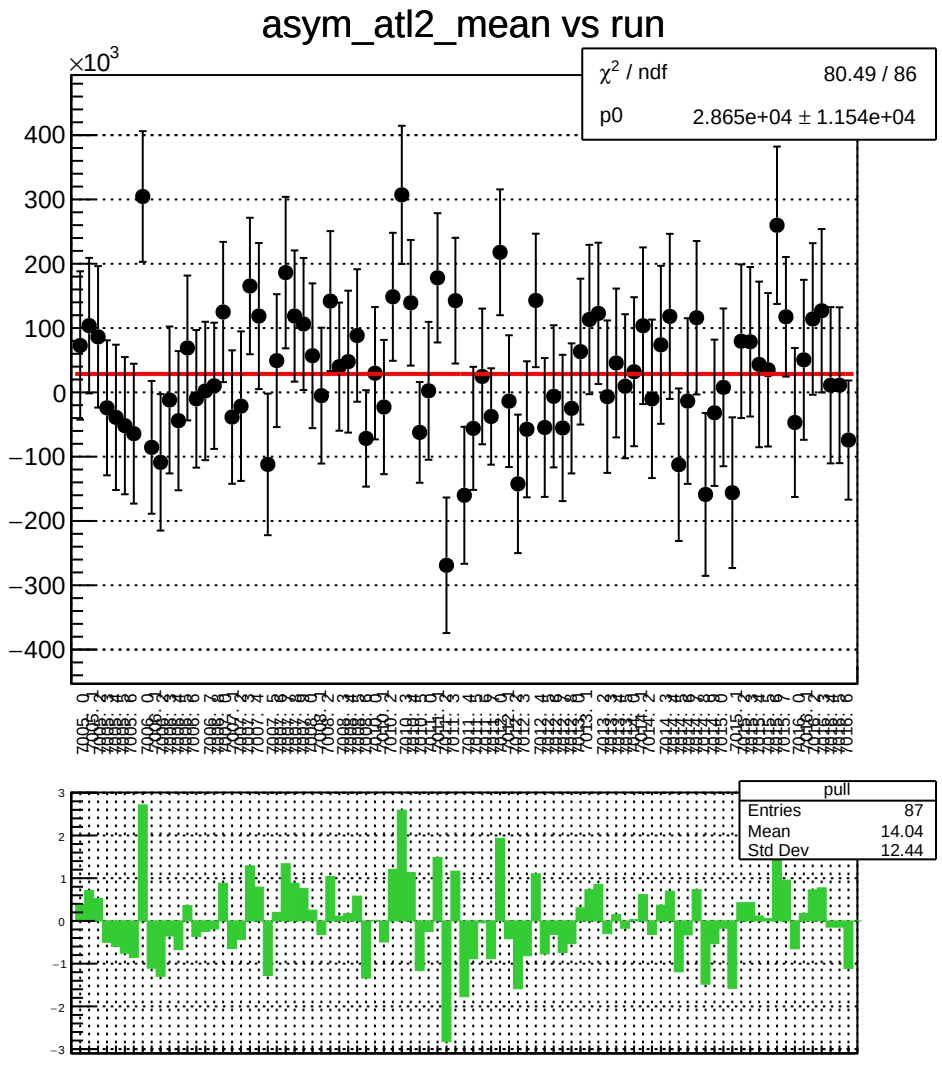

pull1D
Entries 87
Mean 0.005752
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

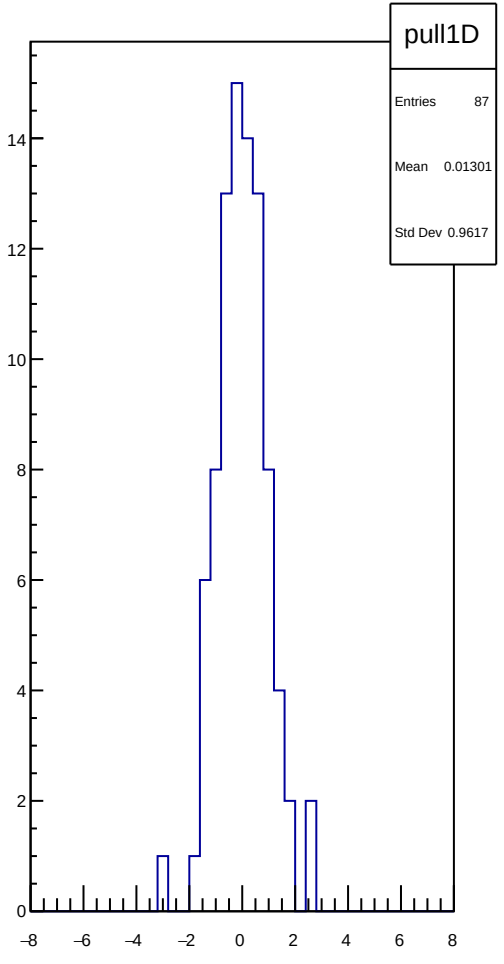

dit_asym_atl2_rms vs run
χ² / ndf 543.1 / 86
p0 2958 ± 2.299
3100
3050
3000
2950
2900
2850

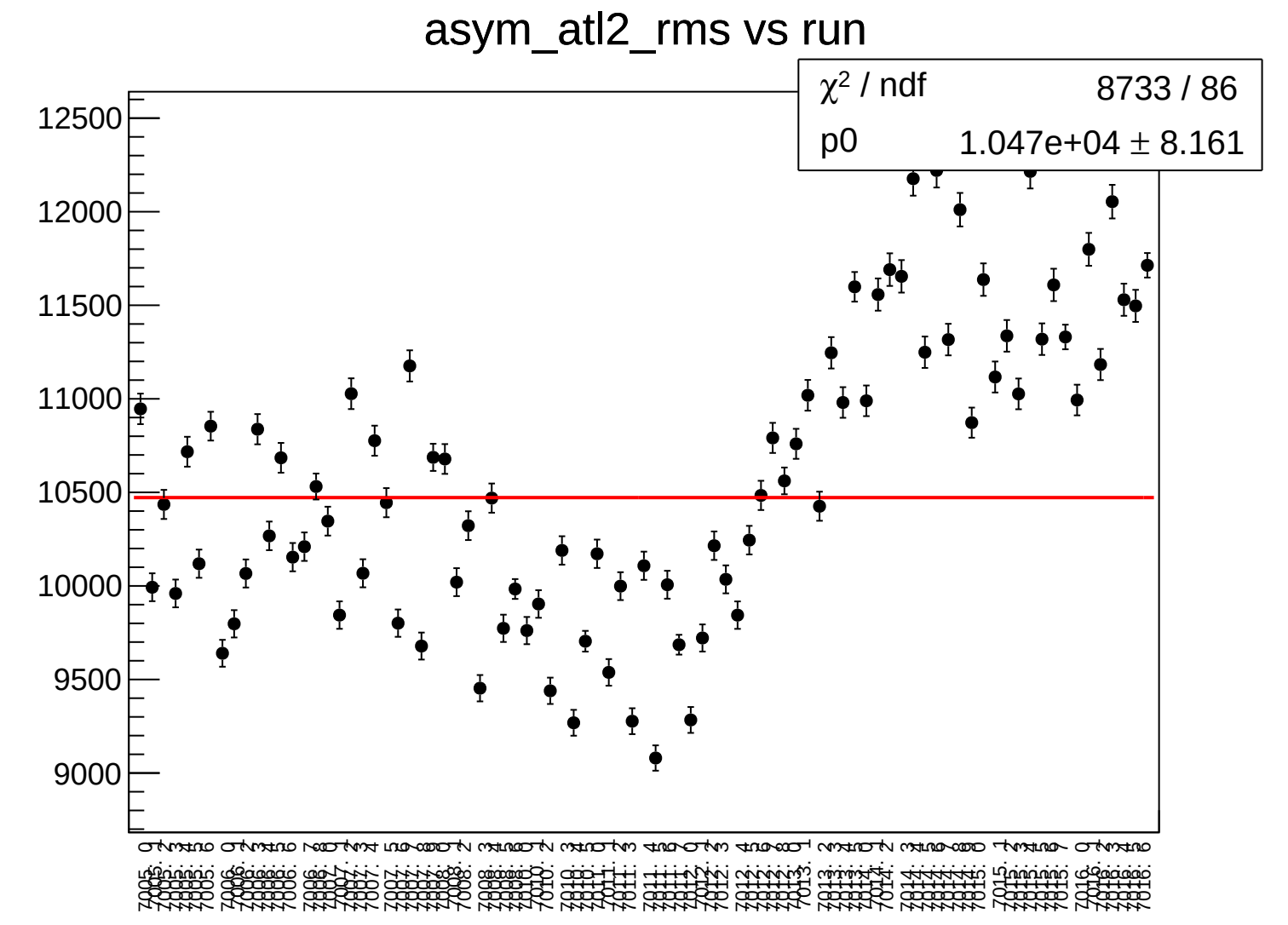

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 71.25 / 86
p0 −3.16e+04 ± 1.121e+04
pull
Entries 87
Mean 7.255
Std Dev 48.12

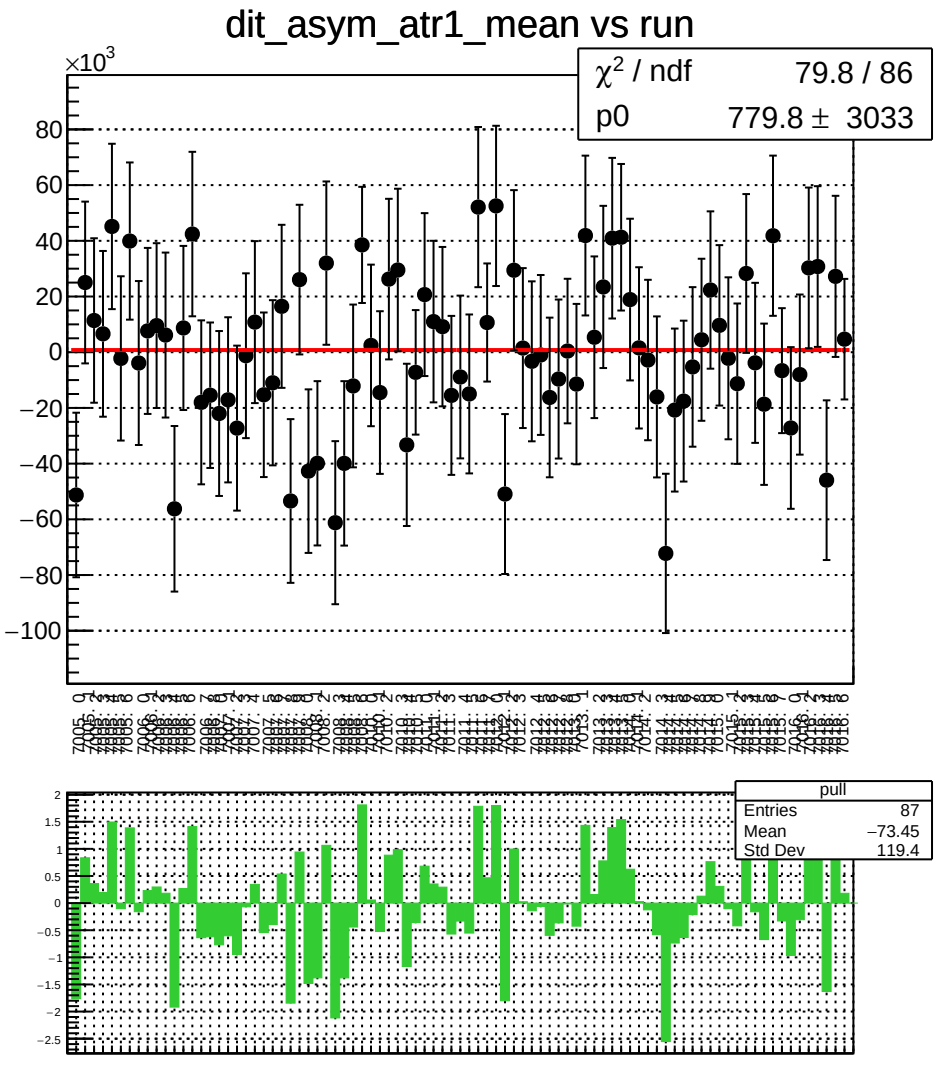

pull1D
Entries 87
Mean −0.01248
Std Dev 0.9049

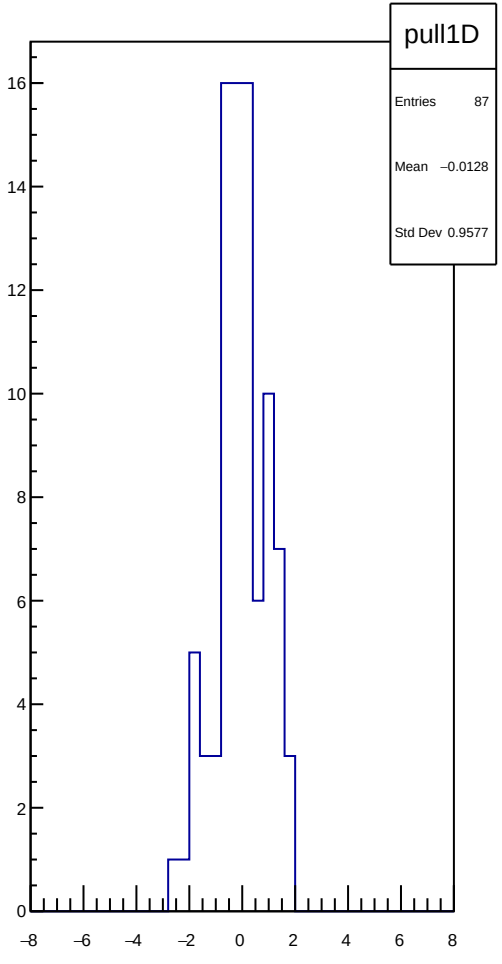

asym_atl2_correction_rms vs run
χ² / ndf 9197 / 86
p0 1.017e+04 ± 7.93
12000
11500
11000
10500
10000
9500
9000
8500

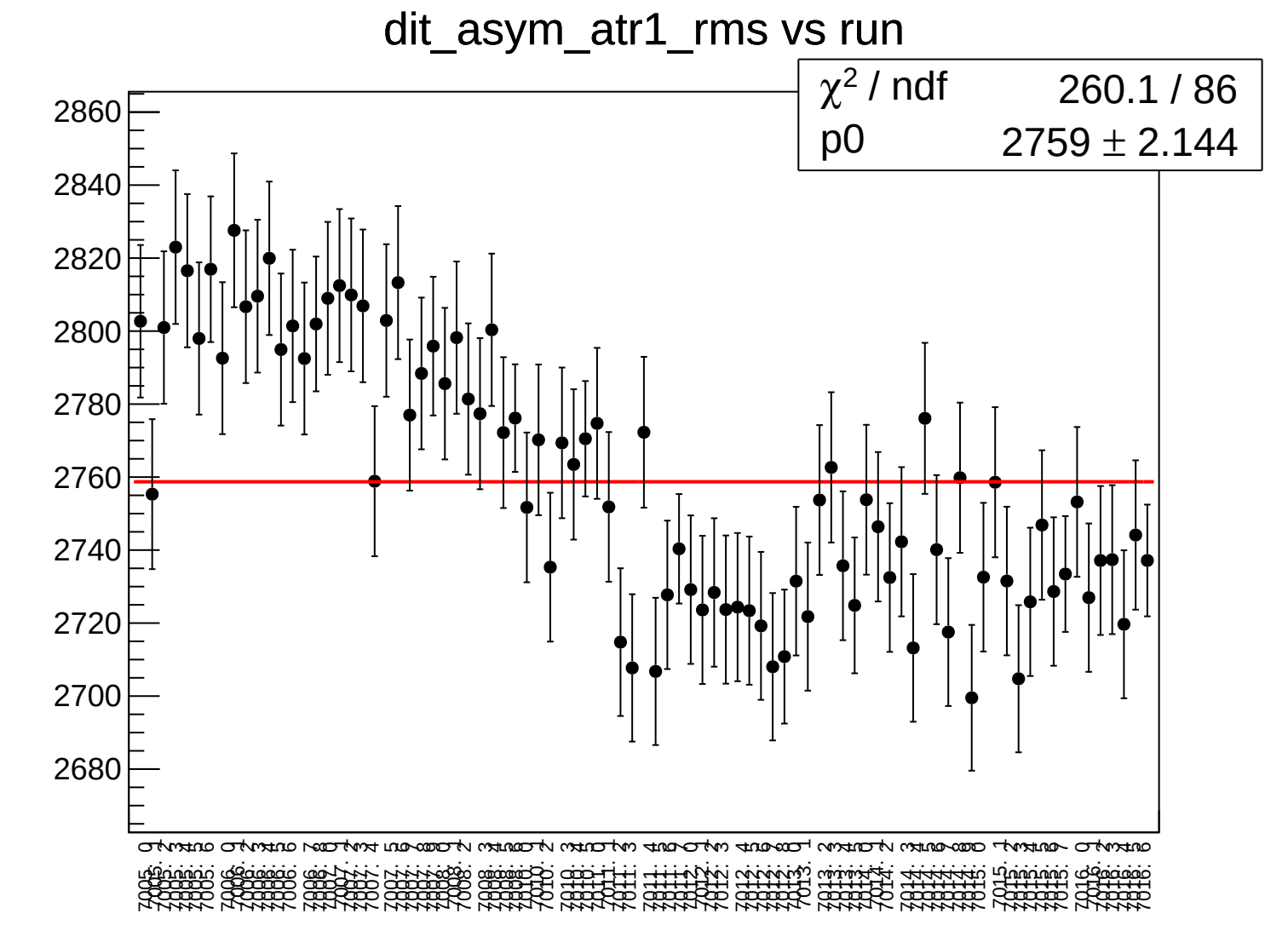

asym_atl2_mean vs run
×10^3
χ² / ndf 80.49 / 86
p0 2.865e+04 ± 1.154e+04
pull
Entries 87
Mean 14.04
Std Dev 12.44

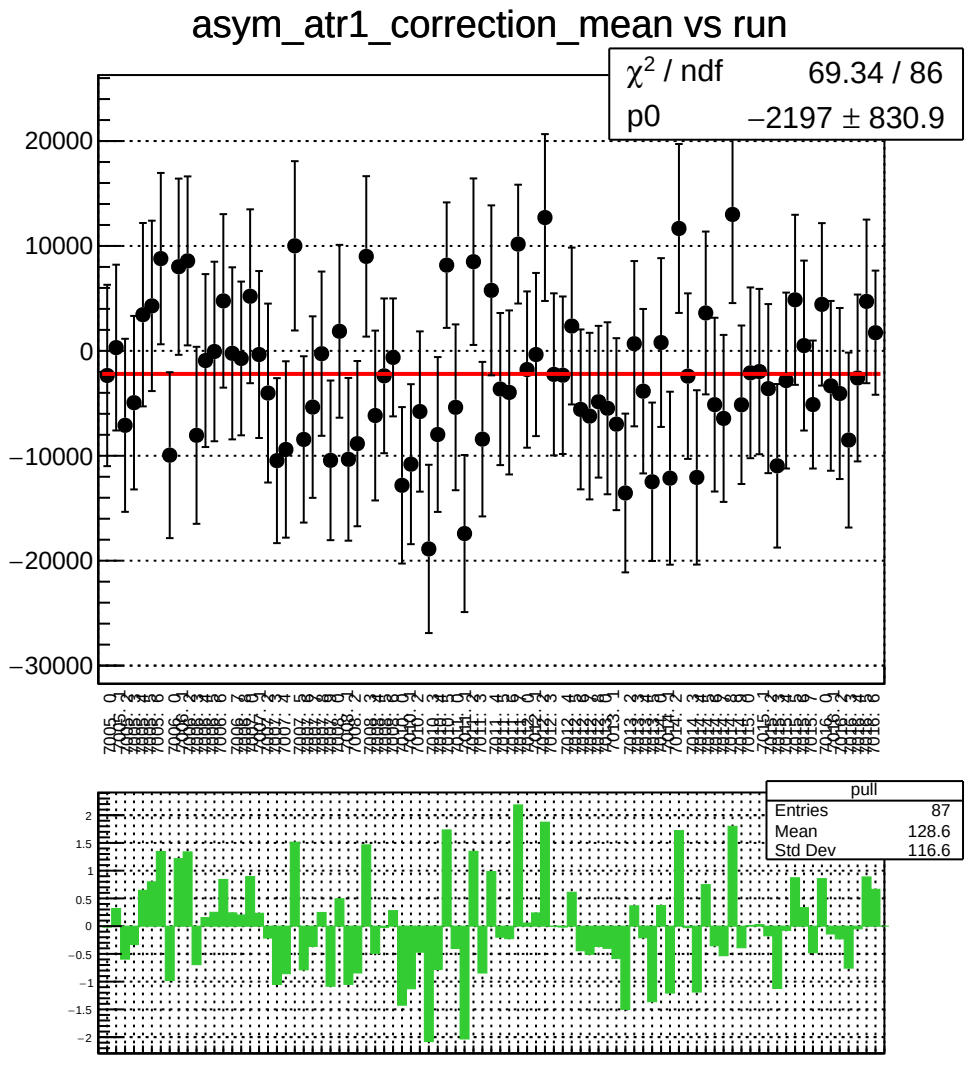

pull1D
Entries 87
Mean 0.01301
Std Dev 0.9617

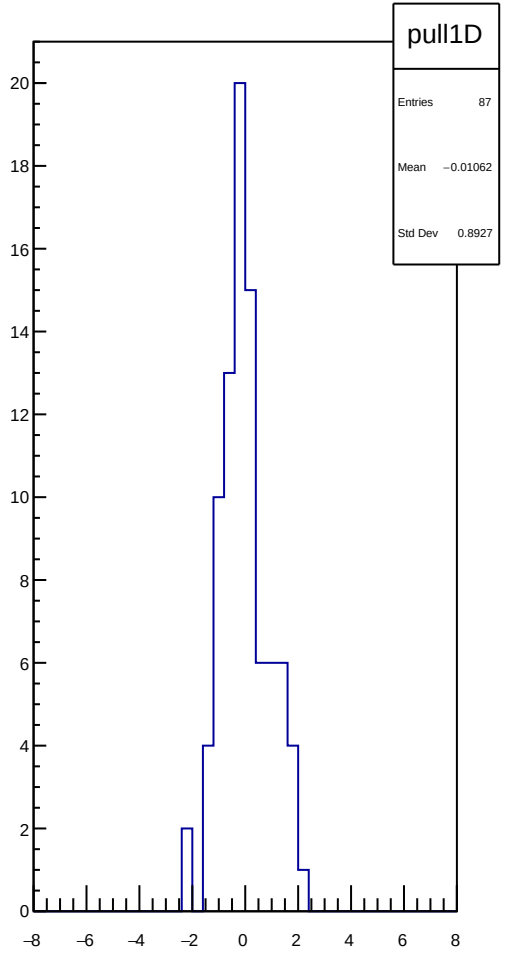

asym_atl2_rms vs run
χ² / ndf 8733 / 86
p0 1.047e+04 ± 8.161
12500
12000
11500
11000
10500
10000
9500
9000

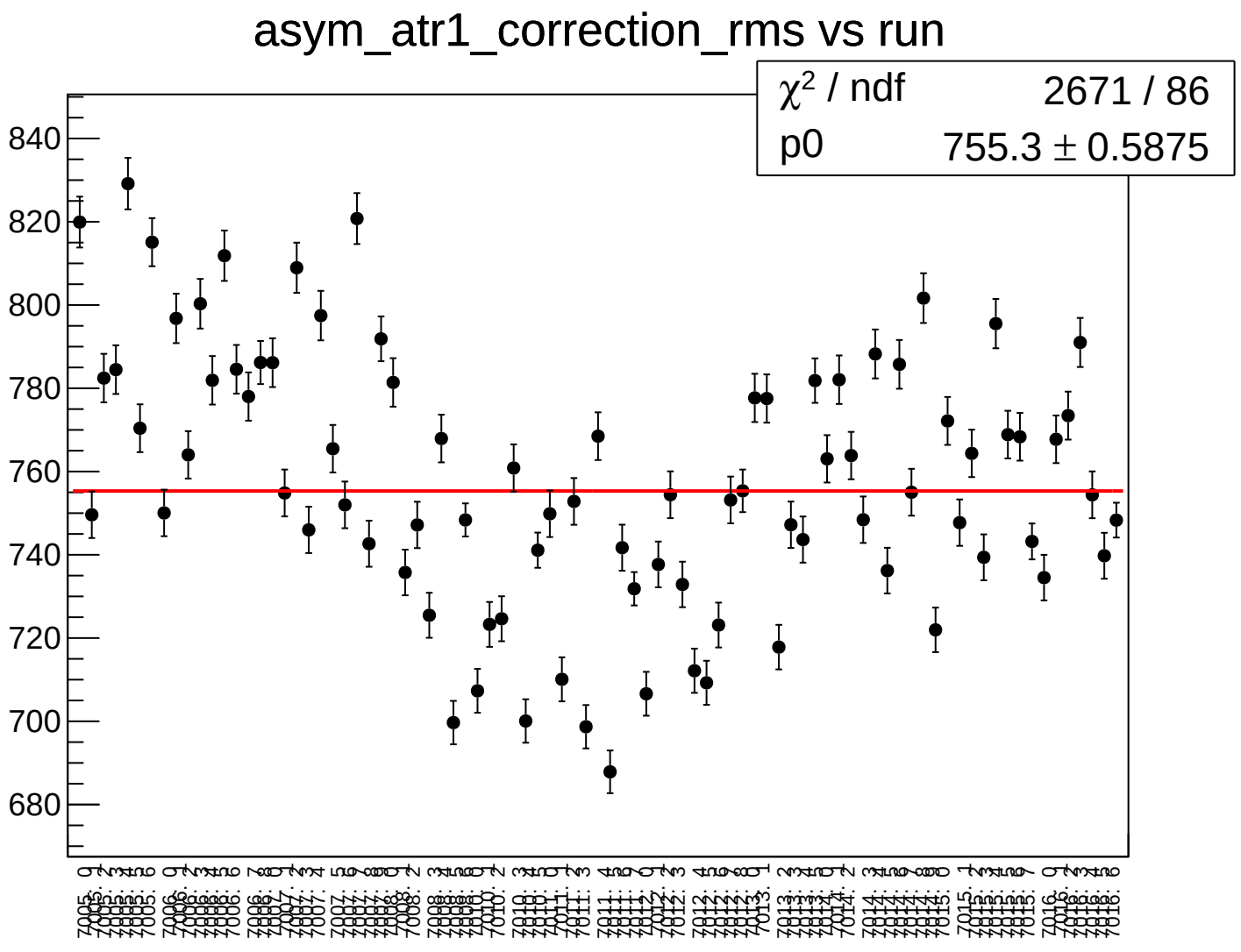

dit_asym_atr1_mean vs run
χ^2 / ndf 79.8 / 86
p0 779.8 ± 3033
×10^3
pull
Entries 87
Mean −73.45
Std Dev 119.4

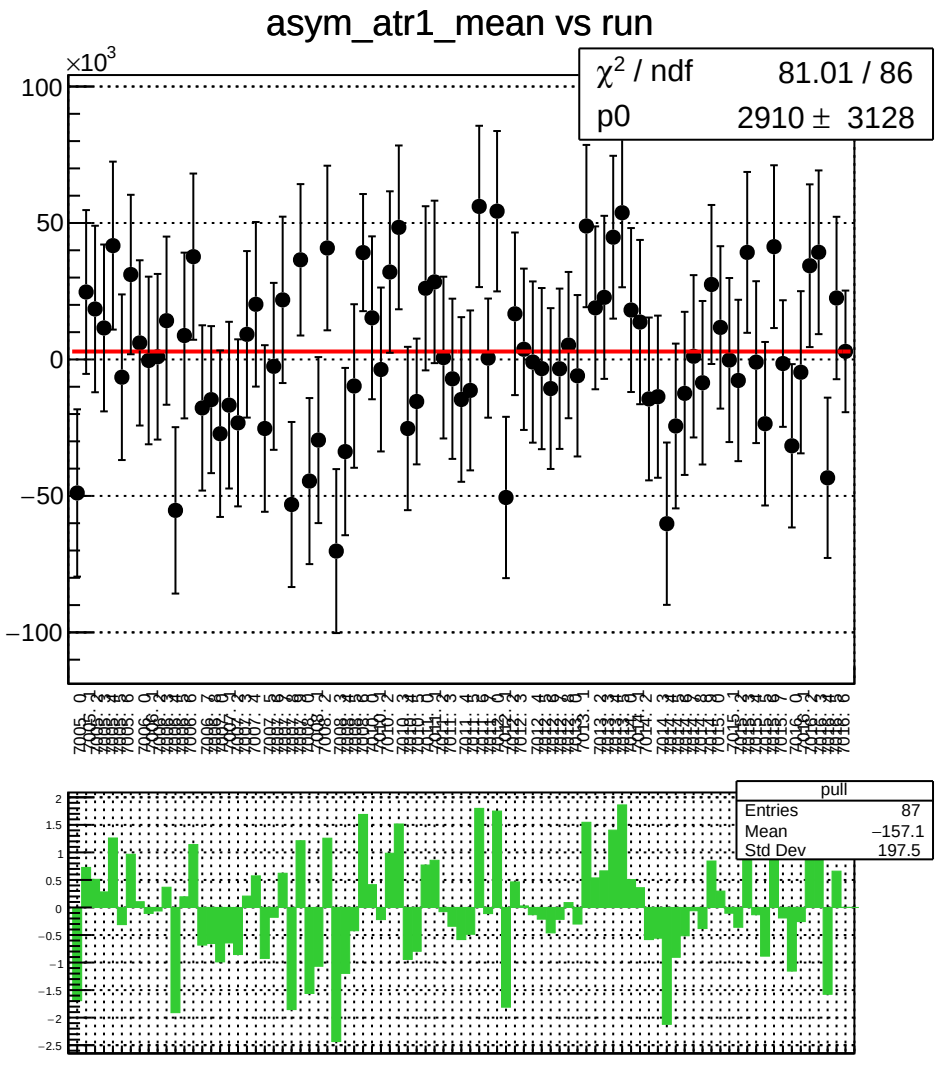

pull1D
Entries 87
Mean −0.0128
Std Dev 0.9577

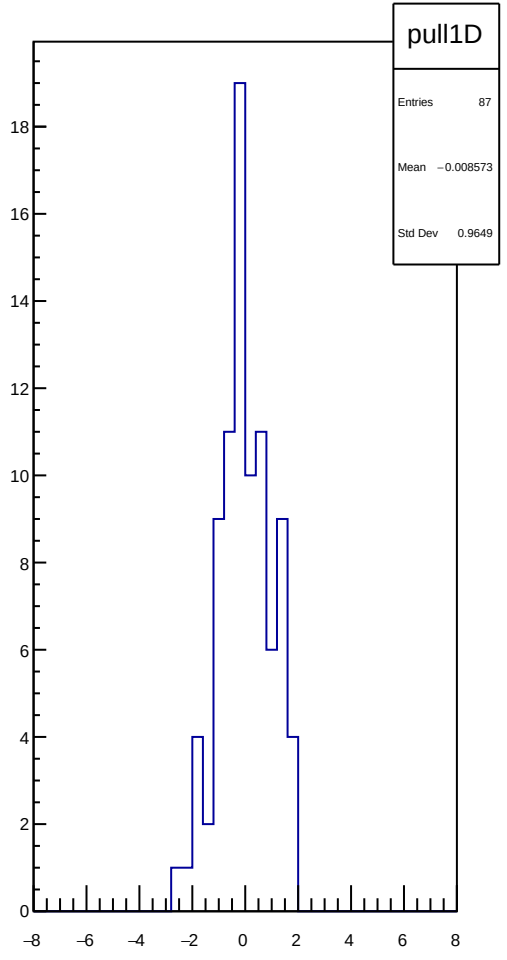

dit_asym_atr1_rms vs run
χ² / ndf 260.1 / 86
p0 2759 ± 2.144
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680

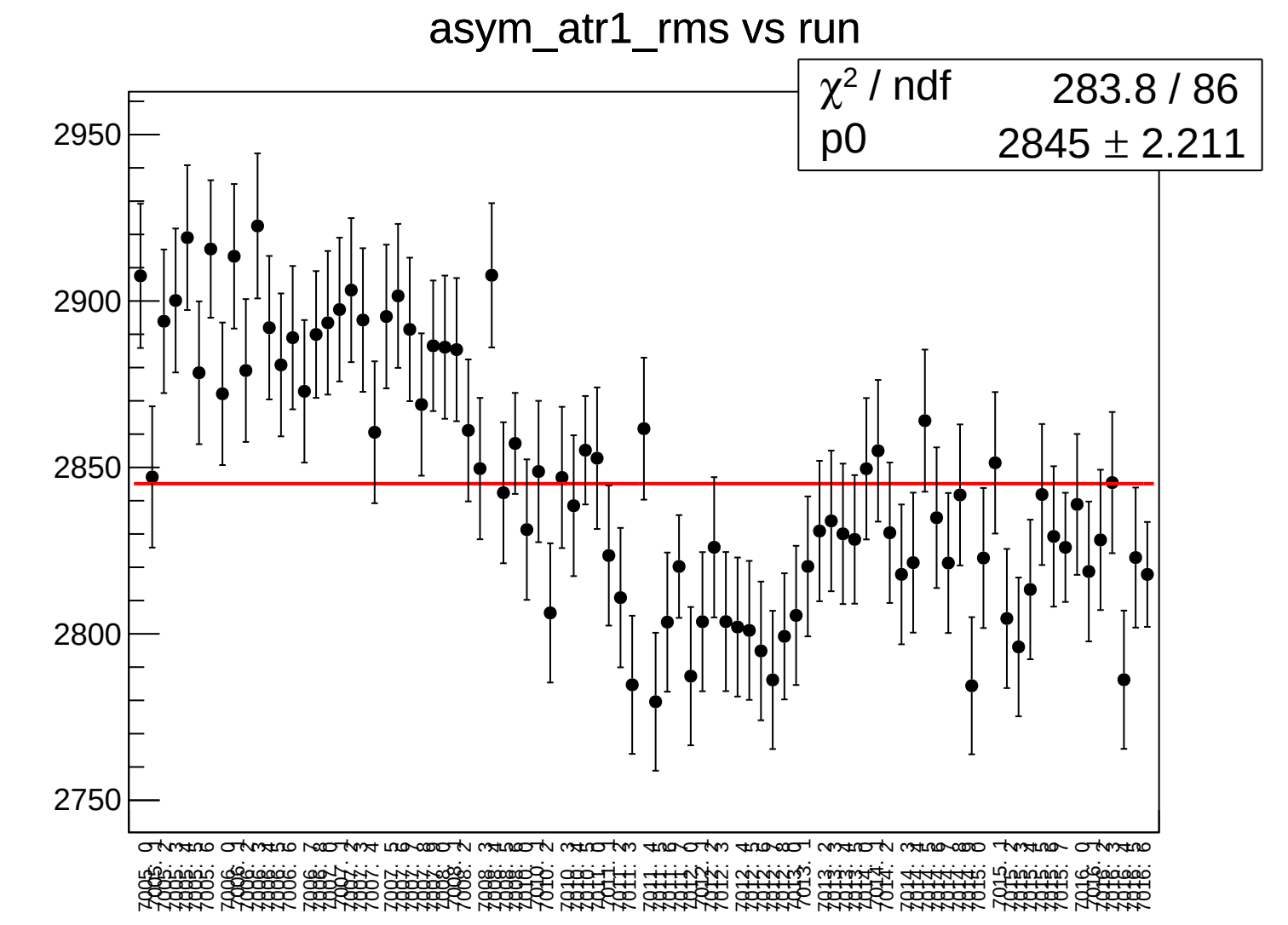

asym_atr1_correction_mean vs run
χ² / ndf 69.34 / 86
p0 −2197 ± 830.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 128.6
Std Dev 116.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

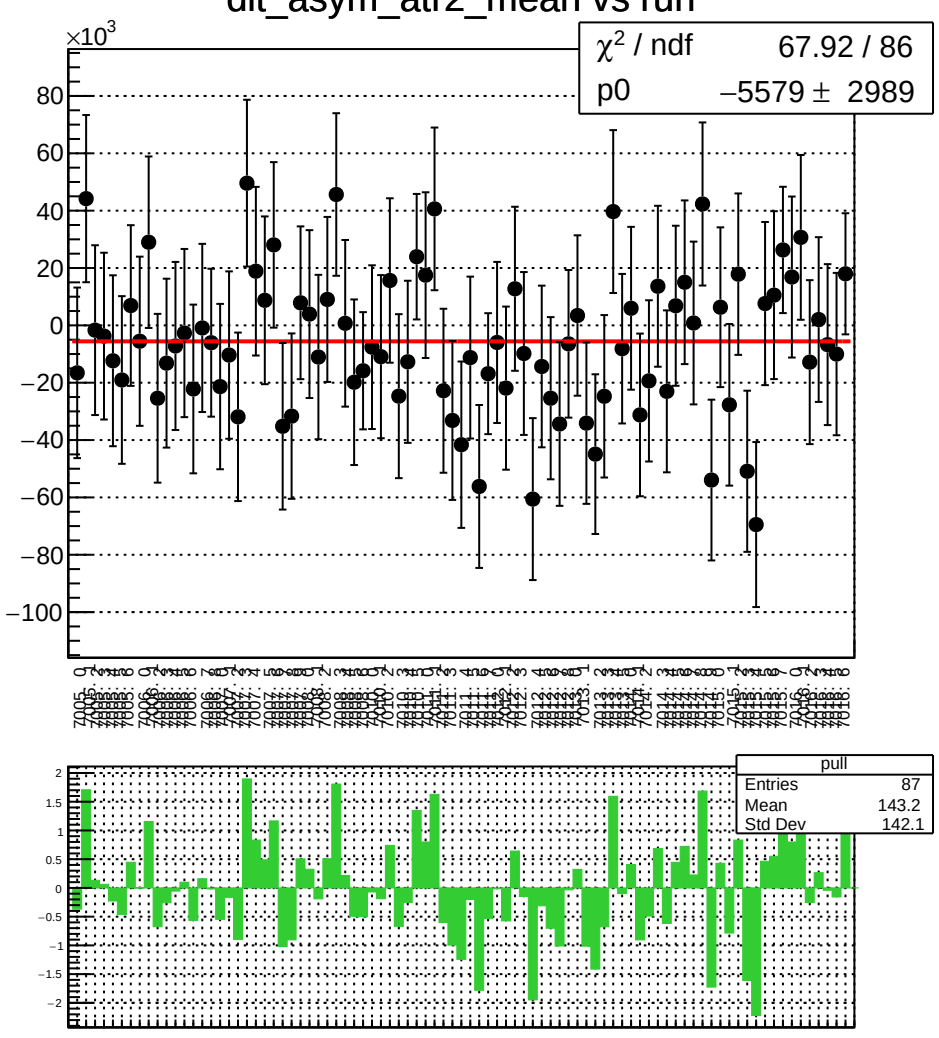

pull1D
Entries 87
Mean −0.01062
Std Dev 0.8927
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

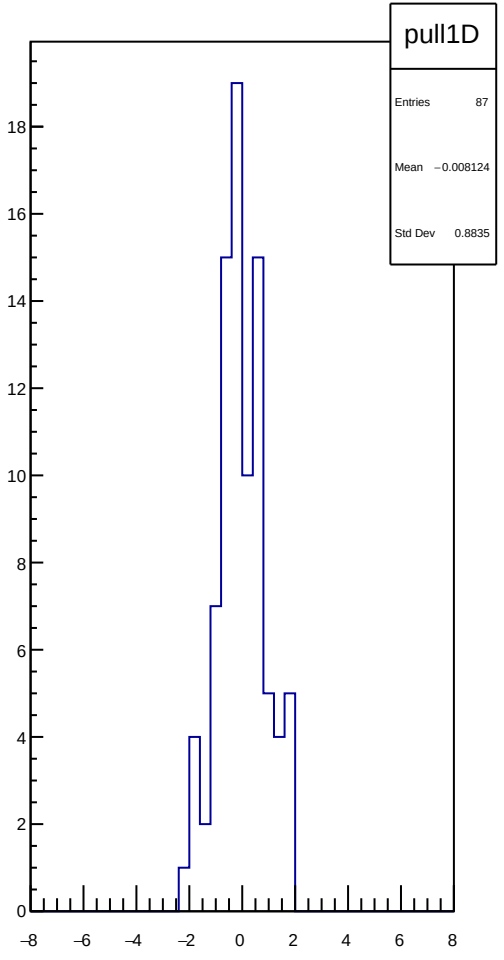

asym_atr1_correction_rms vs run
χ² / ndf 2671 / 86
p0 755.3 ± 0.5875
840
820
800
780
760
740
720
700
680

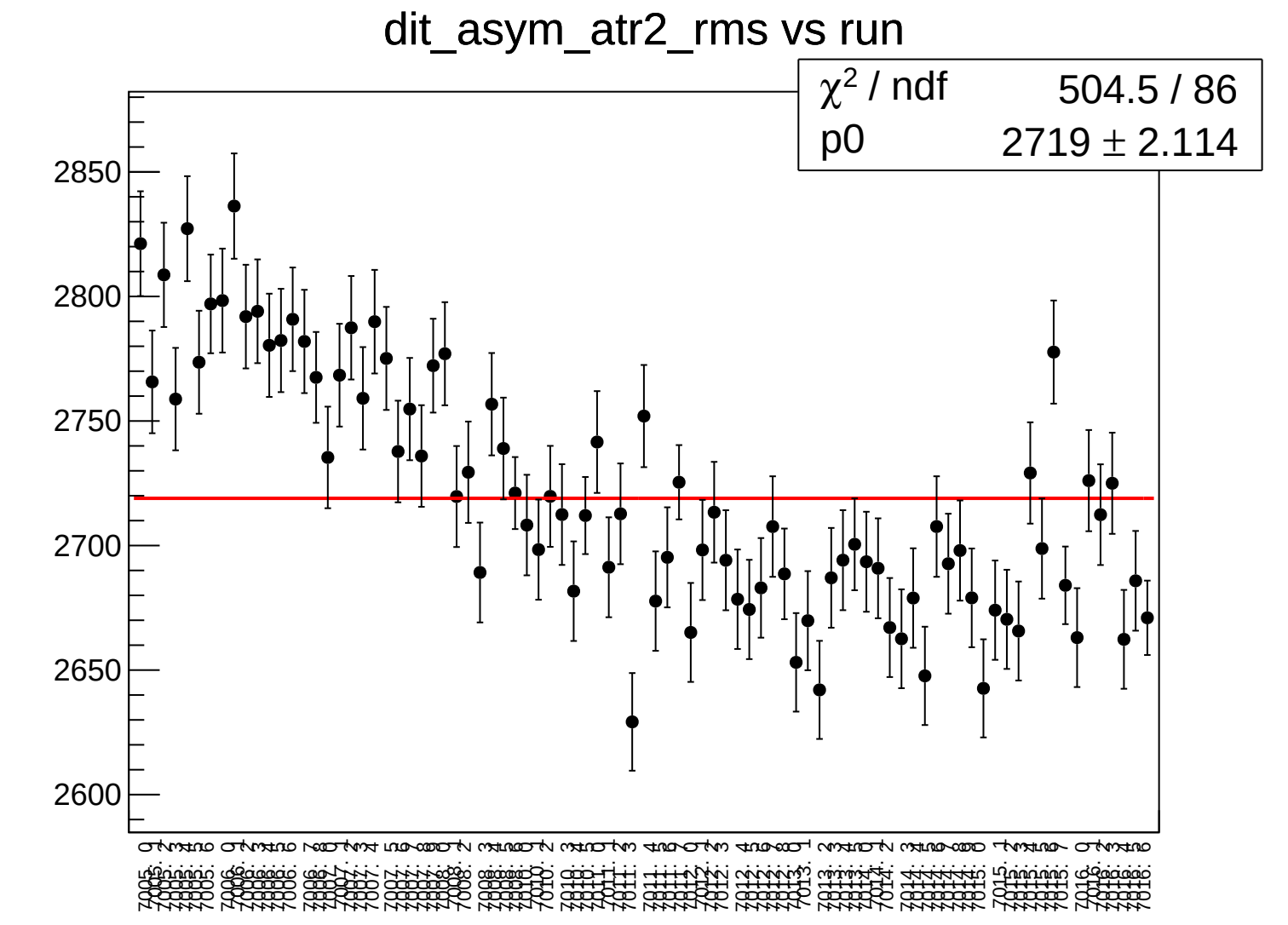

asym_atr1_mean vs run
×10^3
χ² / ndf 81.01 / 86
p0 2910 ± 3128
100
50
0
−50
−100
pull
Entries 87
Mean −157.1
Std Dev 197.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

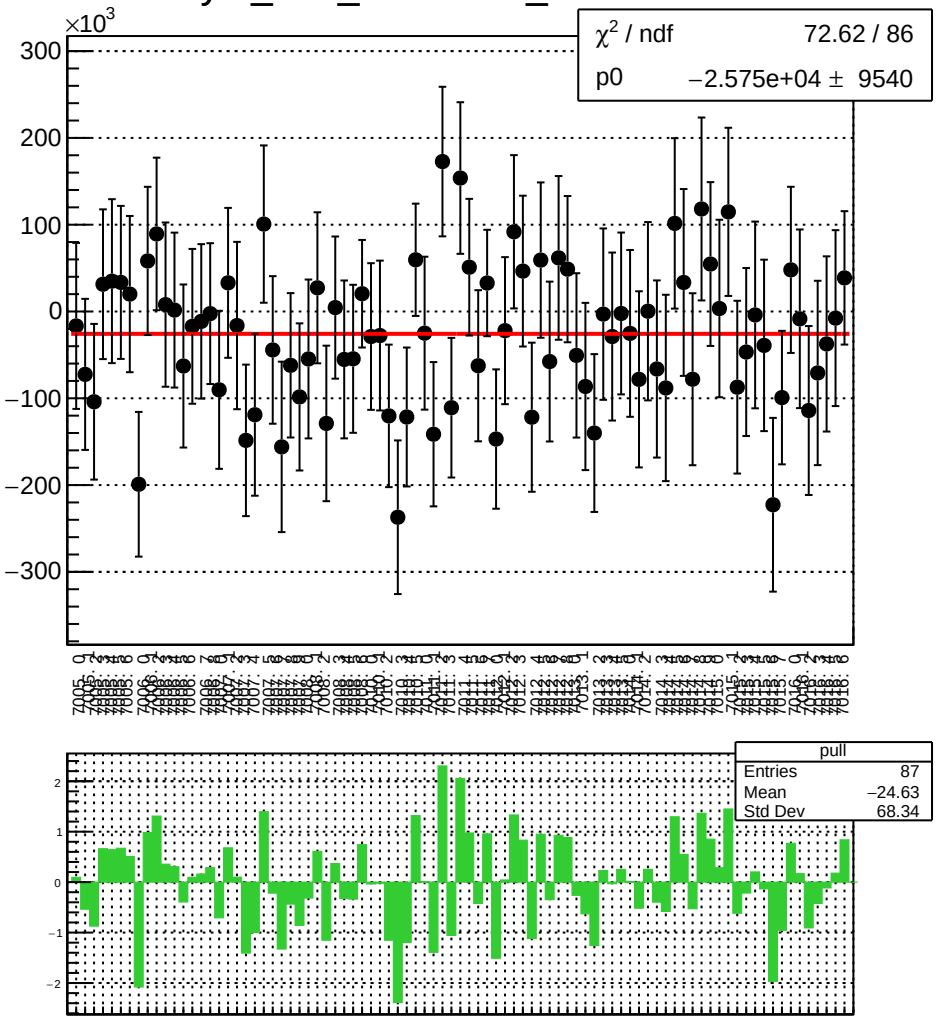

pull1D
Entries 87
Mean −0.008573
Std Dev 0.9649
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

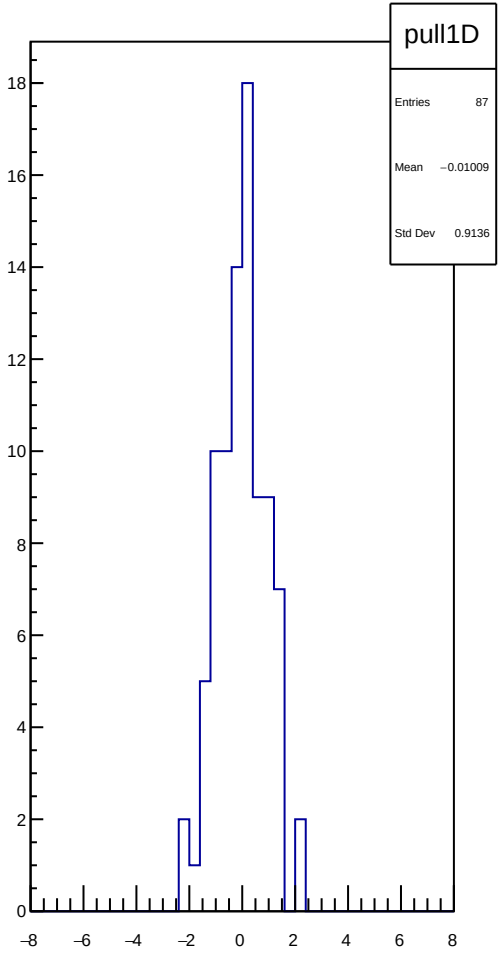

asym_atr1_rms vs run
χ² / ndf 283.8 / 86
p0 2845 ± 2.211
2950
2900
2850
2800
2750

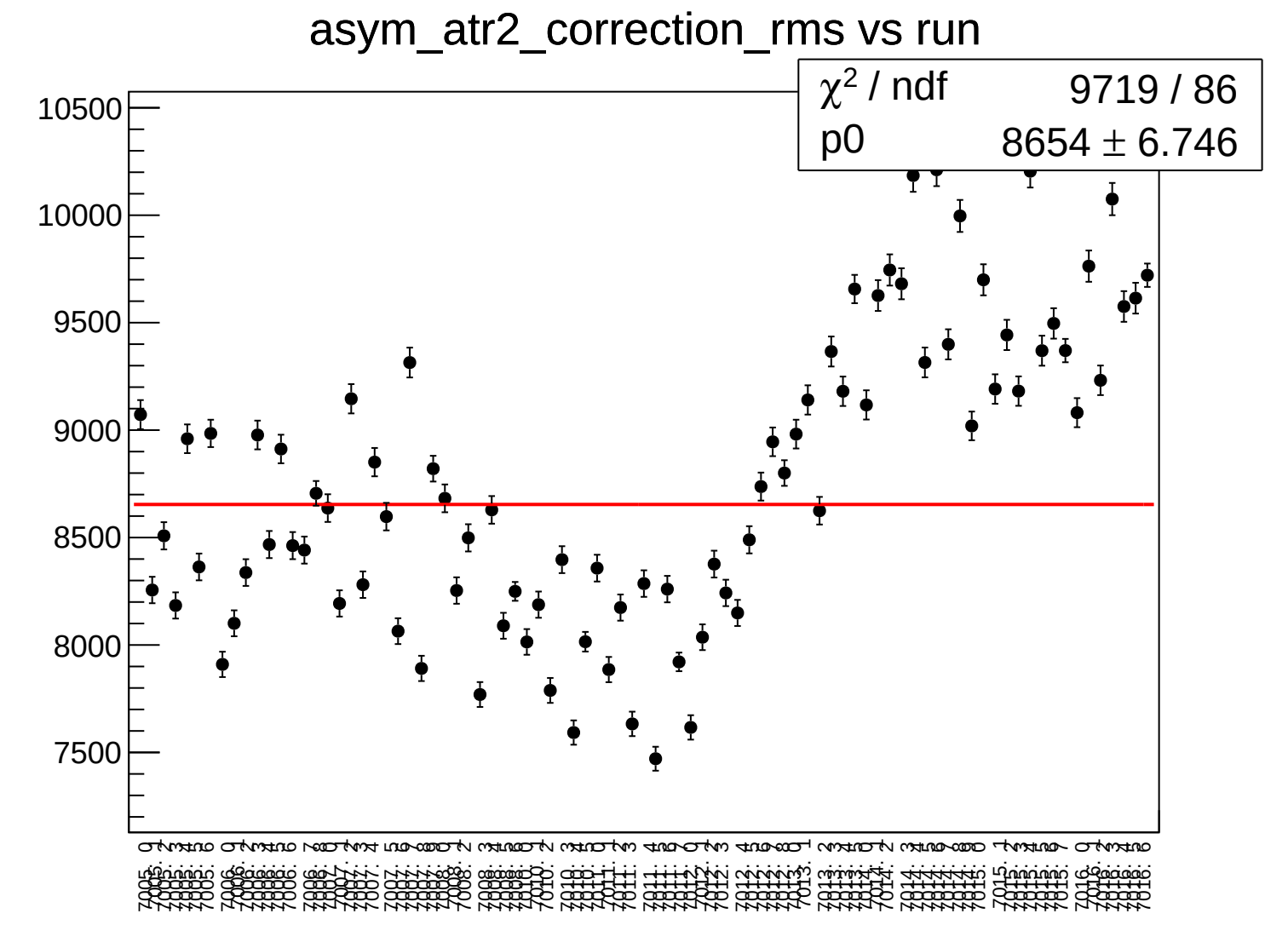

dit_asym_atr2_mean vs run
χ² / ndf 67.92 / 86
p0 −5579 ± 2989
×10³
pull
Entries 87
Mean 143.2
Std Dev 142.1

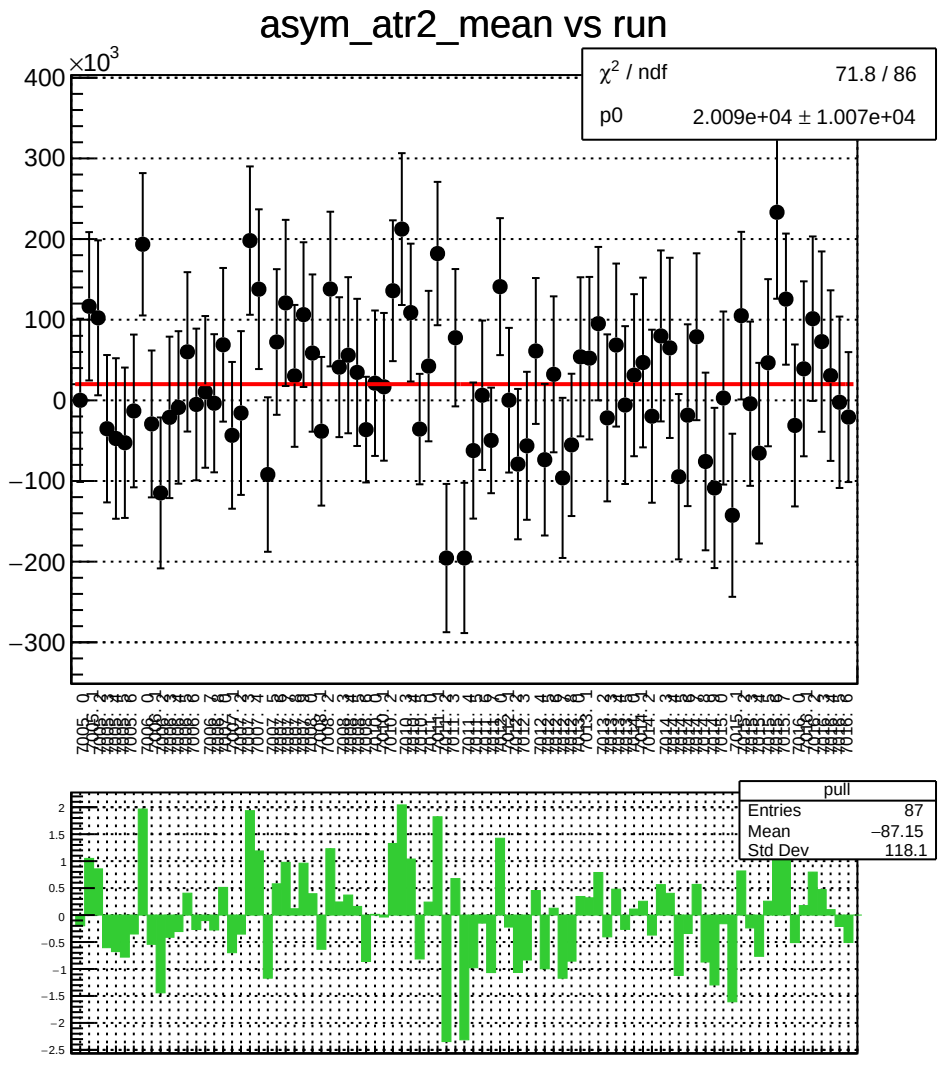

pull1D
Entries 87
Mean −0.008124
Std Dev 0.8835

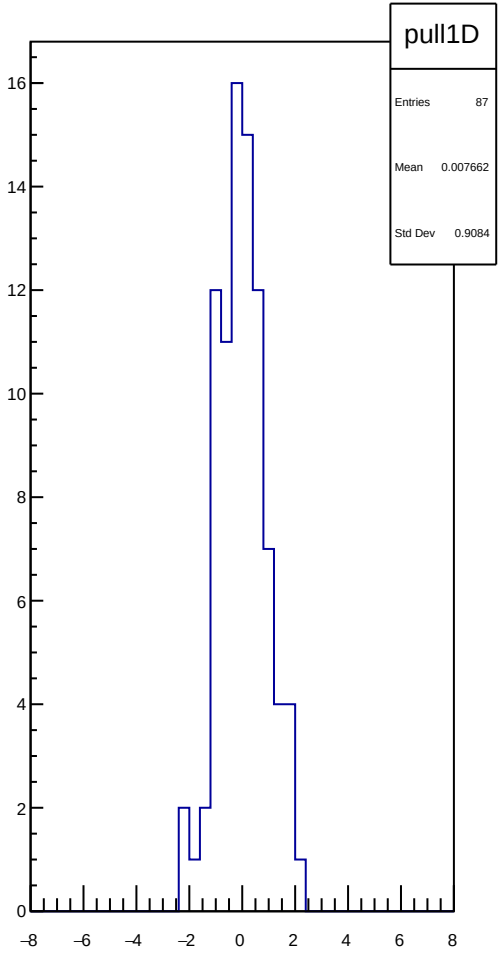

dit_asym_atr2_rms vs run
χ² / ndf 504.5 / 86
p0 2719 ± 2.114
2850
2800
2750
2700
2650
2600

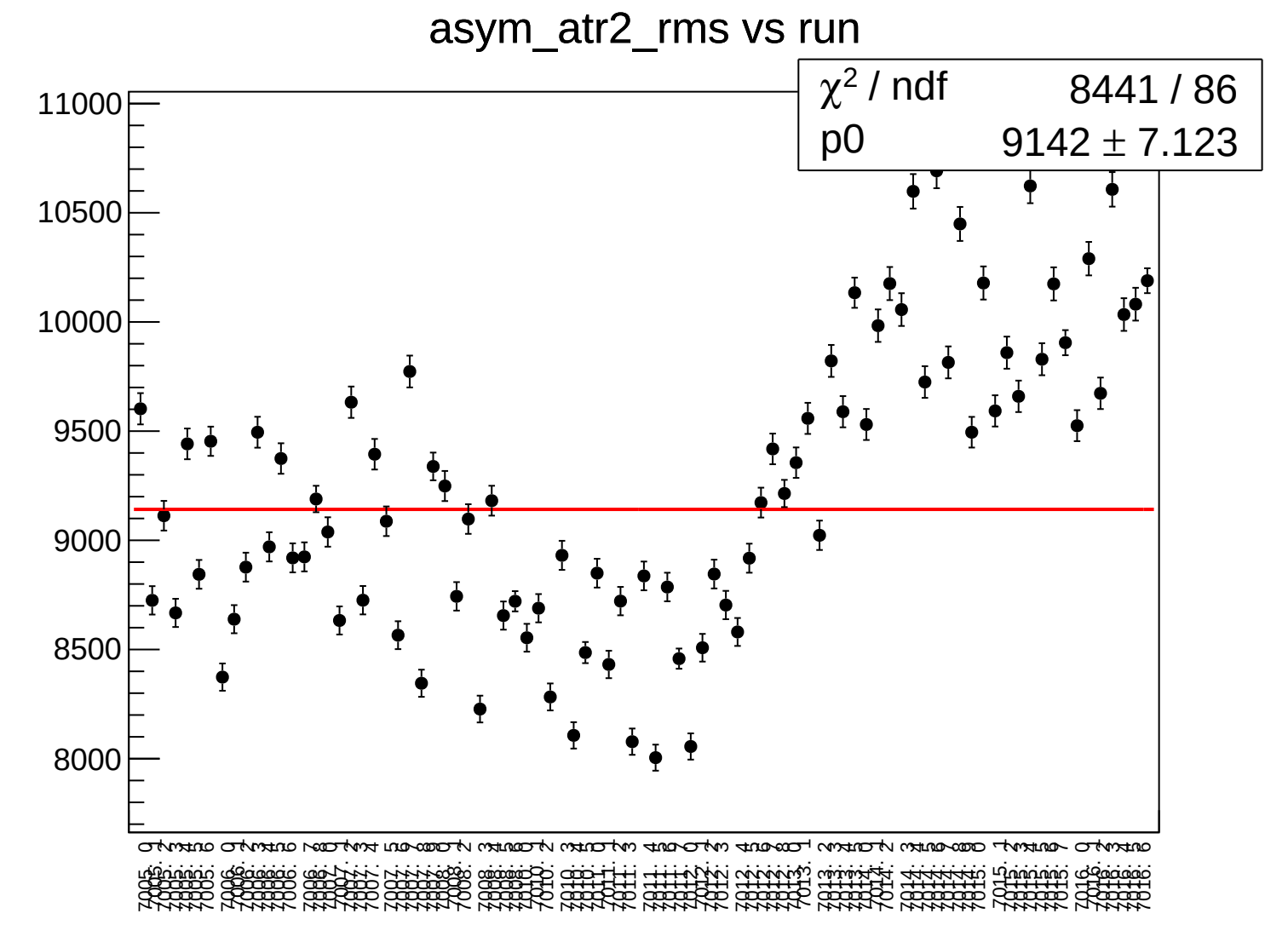

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 72.62 / 86
p0 −2.575e+04 ± 9540
pull
Entries 87
Mean −24.63
Std Dev 68.34

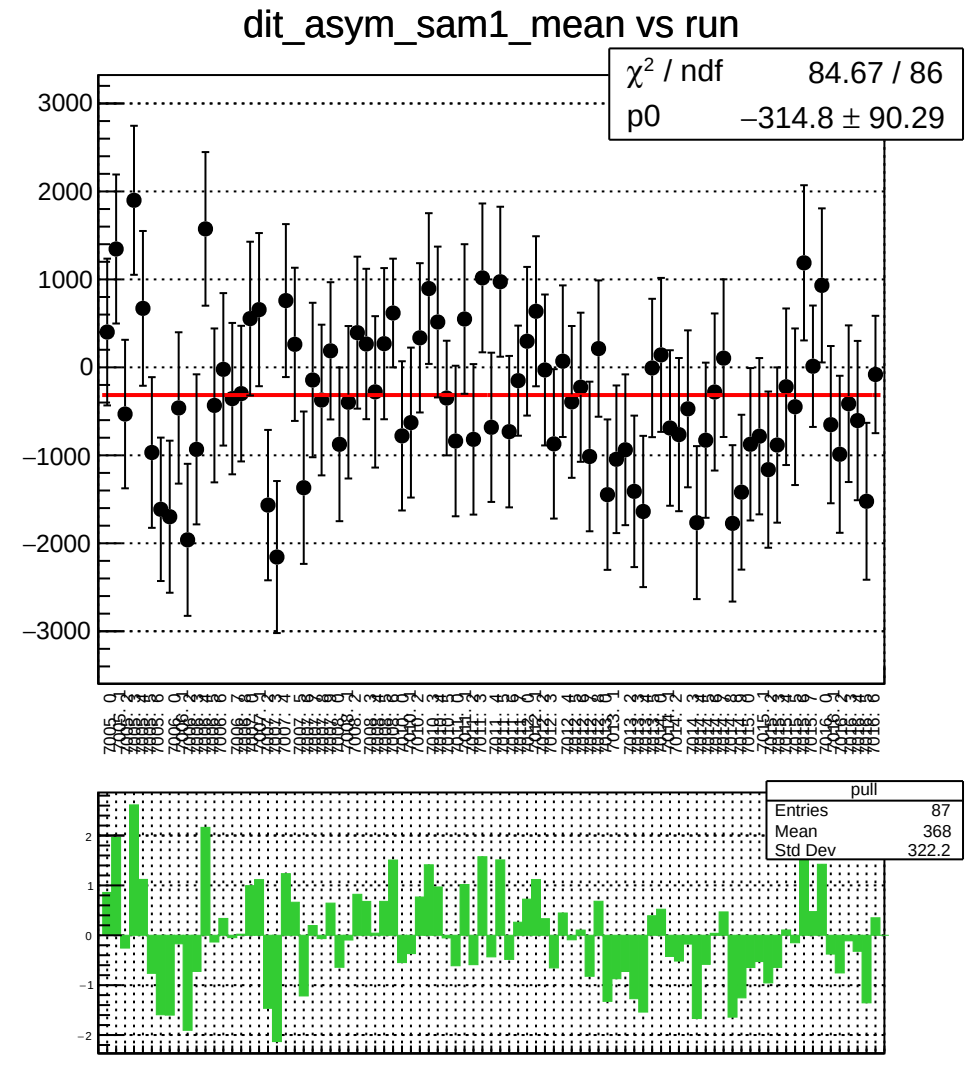

pull1D
Entries 87
Mean −0.01009
Std Dev 0.9136

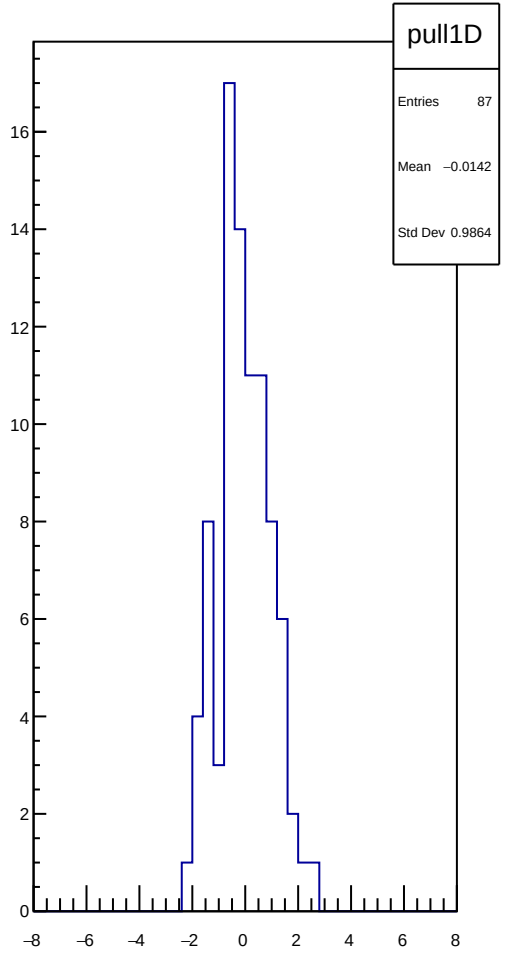

asym_atr2_correction_rms vs run
χ² / ndf 9719 / 86
p0 8654 ± 6.746
10500
10000
9500
9000
8500
8000
7500

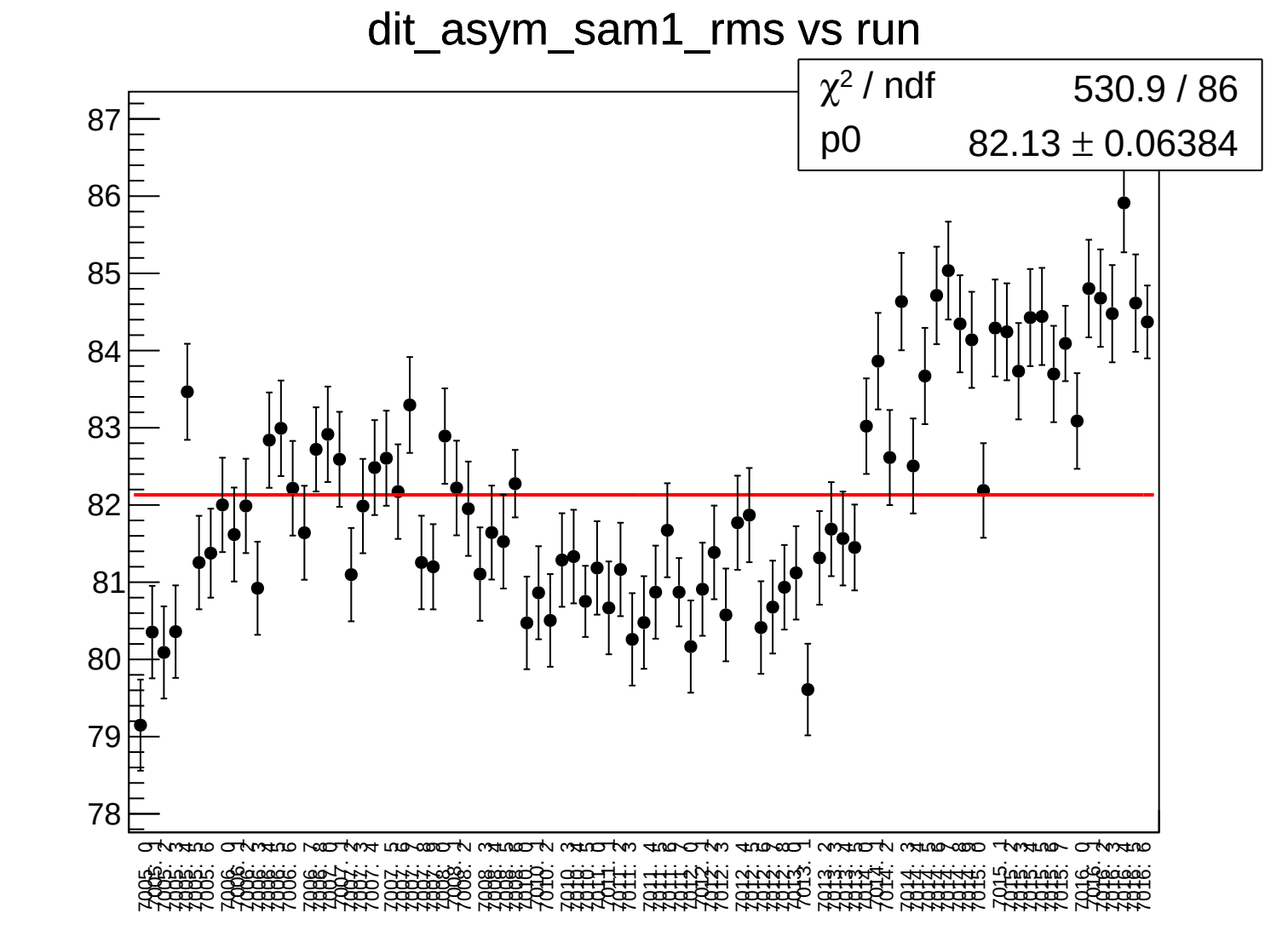

asym_atr2_mean vs run
χ² / ndf 71.8 / 86
p0 2.009e+04 ± 1.007e+04
×10³
pull
Entries 87
Mean −87.15
Std Dev 118.1

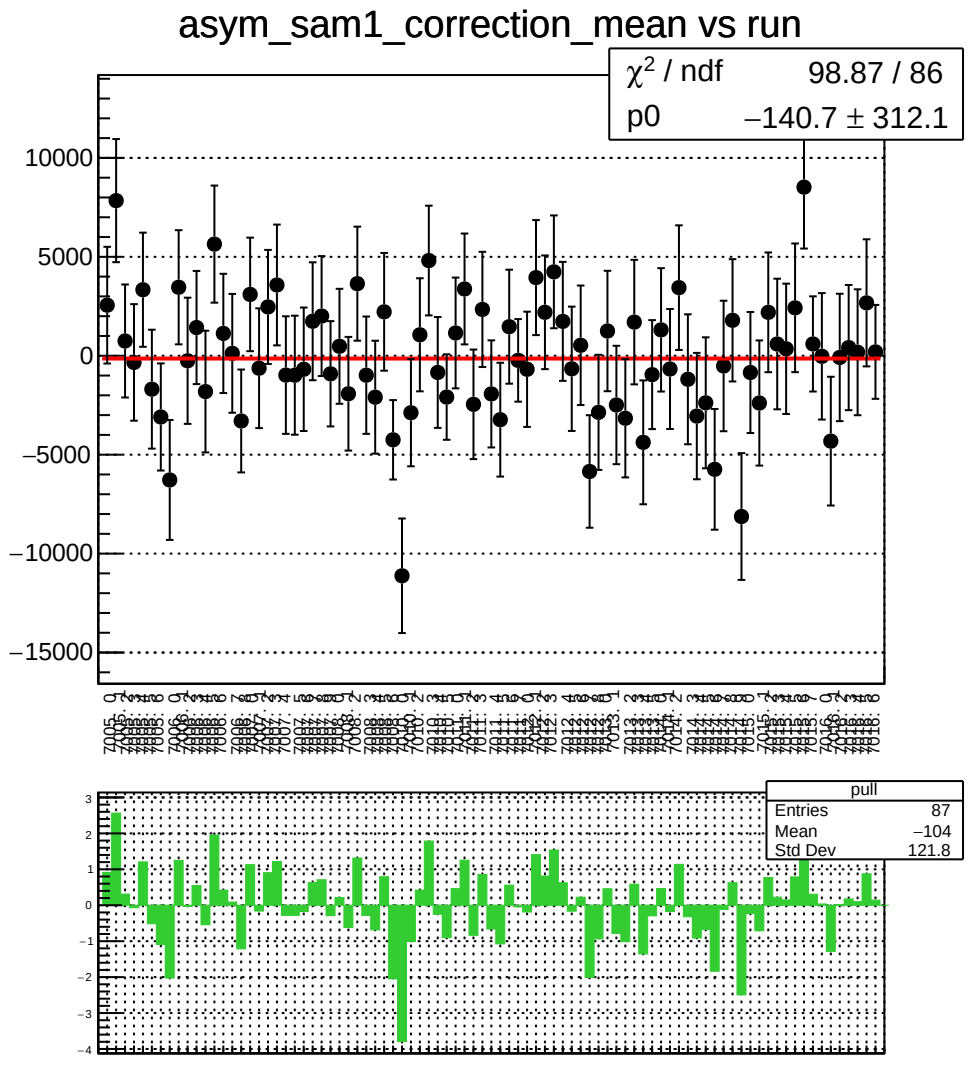

pull1D
Entries 87
Mean 0.007662
Std Dev 0.9084

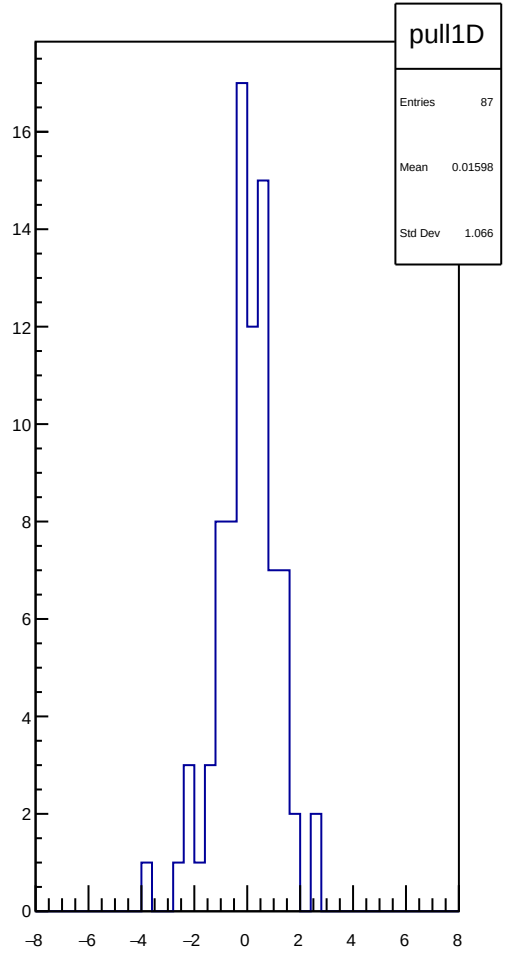

asym_atr2_rms vs run
χ² / ndf 8441 / 86
p0 9142 ± 7.123
11000
10500
10000
9500
9000
8500
8000

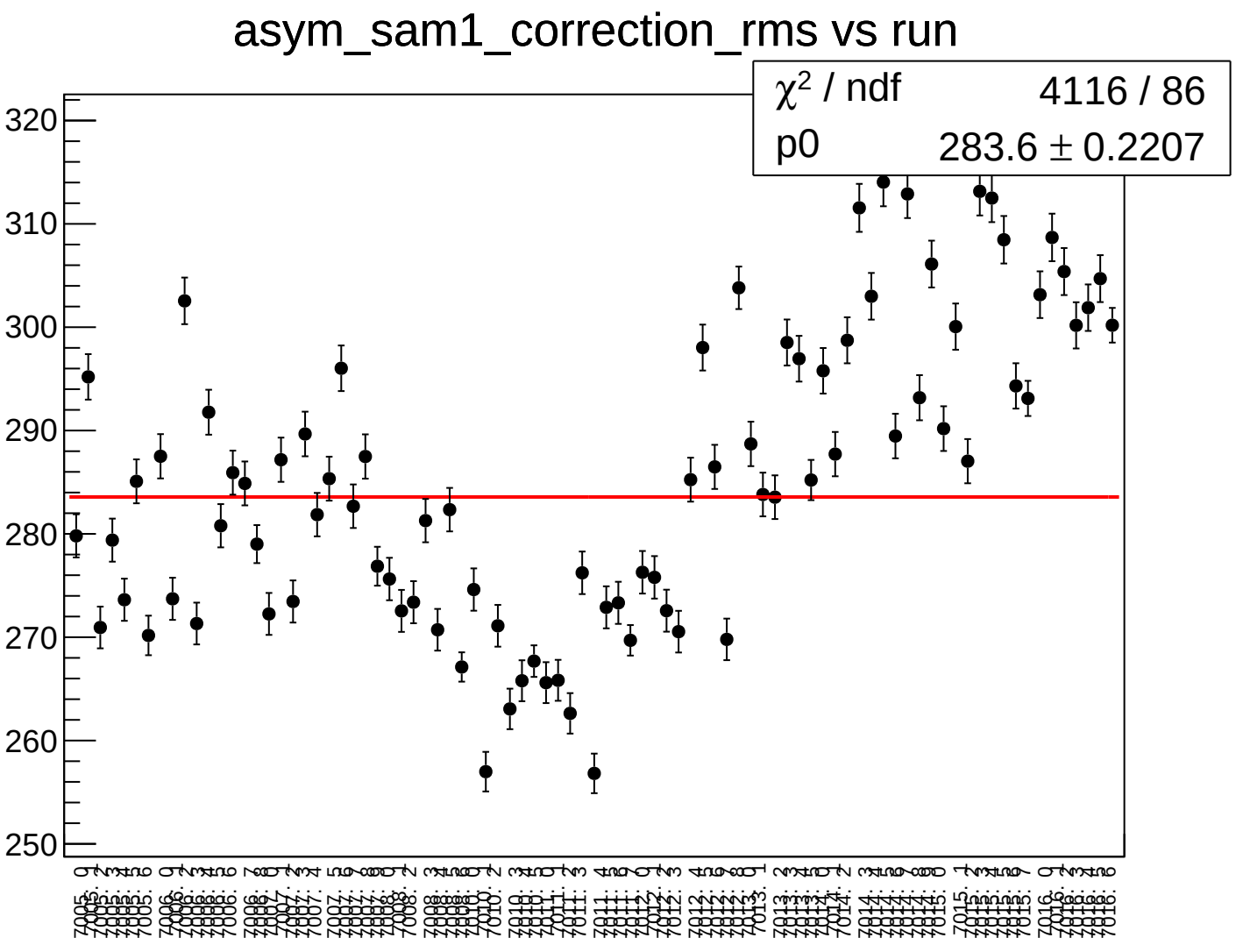

dit_asym_sam1_mean vs run
χ² / ndf 84.67 / 86
p0 −314.8 ± 90.29
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 368
Std Dev 322.2
2
1
0
−1
−2

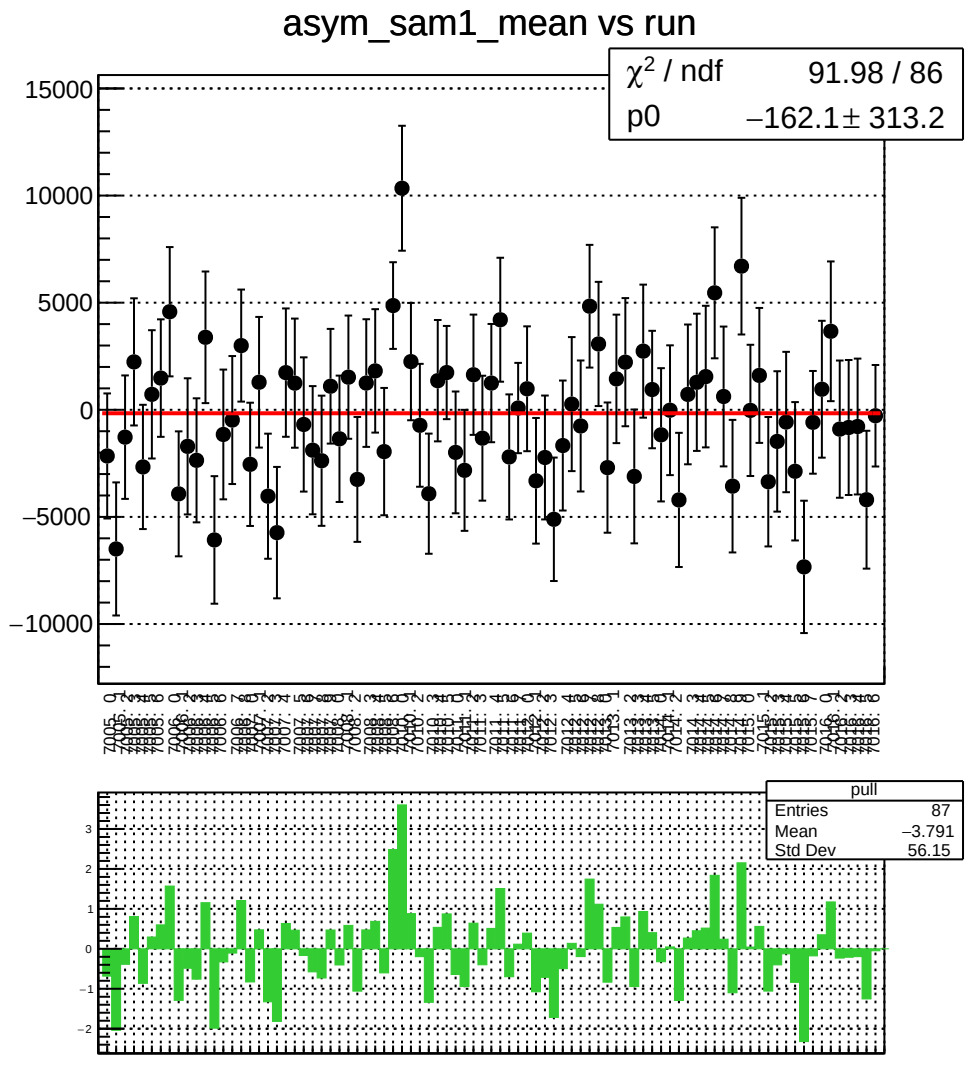

pull1D
Entries 87
Mean −0.0142
Std Dev 0.9864
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

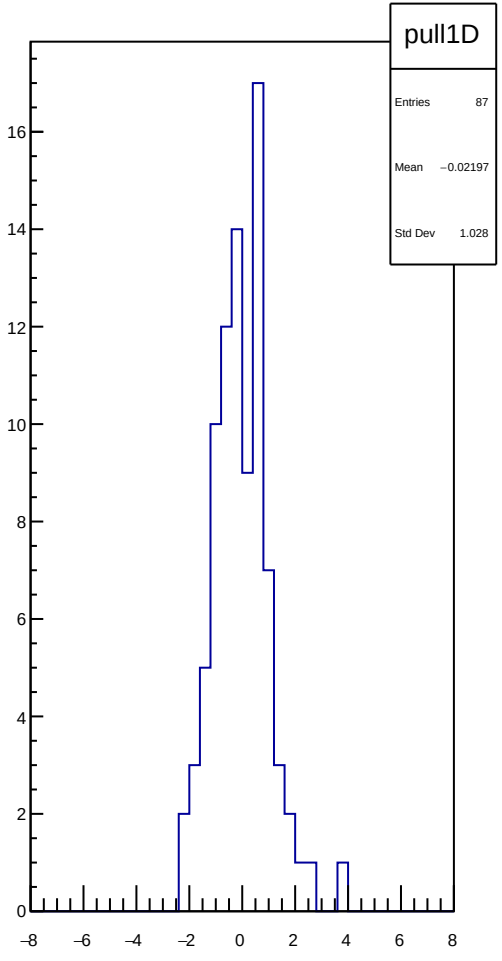

dit_asym_sam1_rms vs run
χ² / ndf 530.9 / 86
p0 82.13 ± 0.06384
87
86
85
84
83
82
81
80
79
78

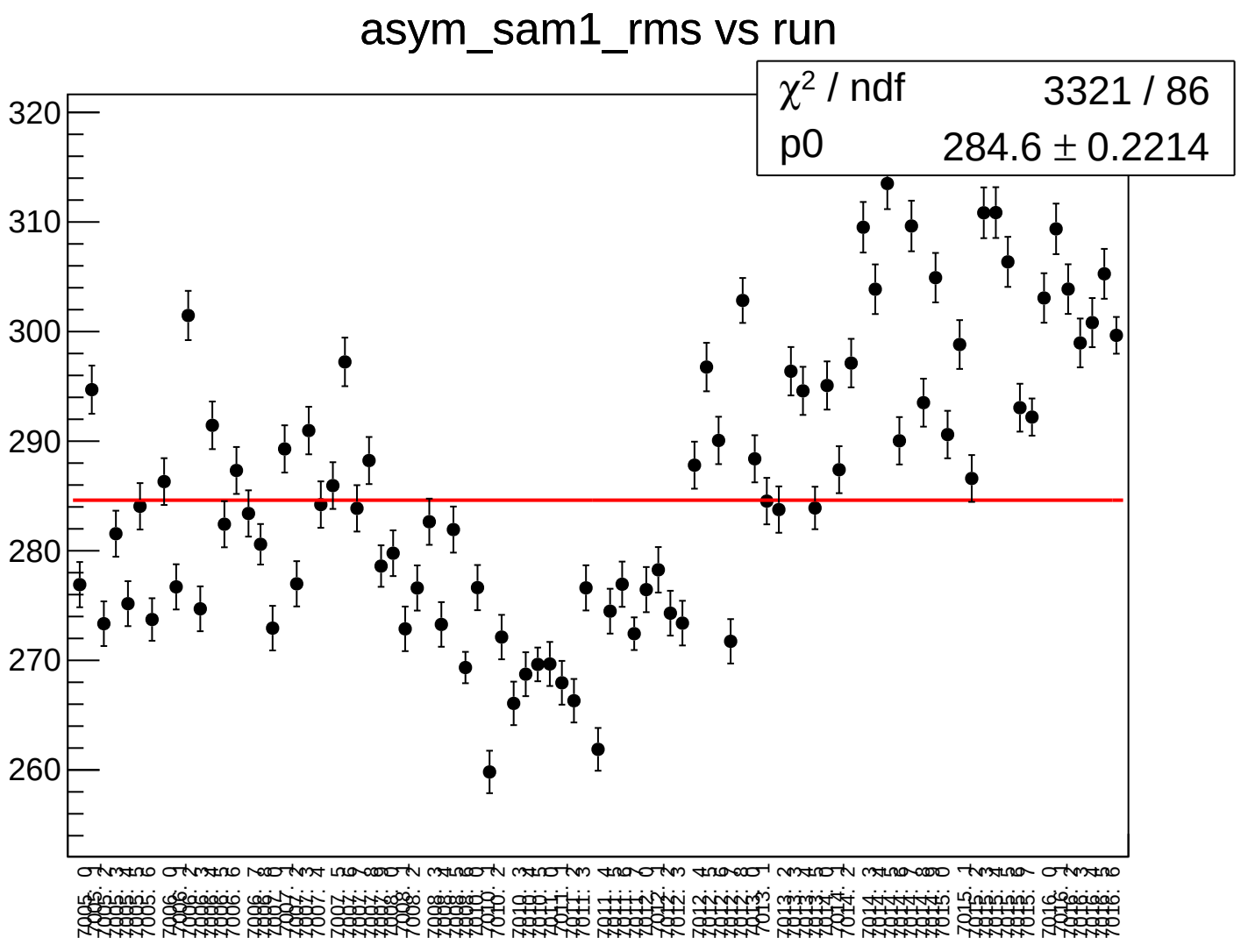

asym_sam1_correction_mean vs run
χ² / ndf 98.87 / 86
p0 −140.7 ± 312.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −104
Std Dev 121.8
3
2
1
0
−1
−2
−3
−4

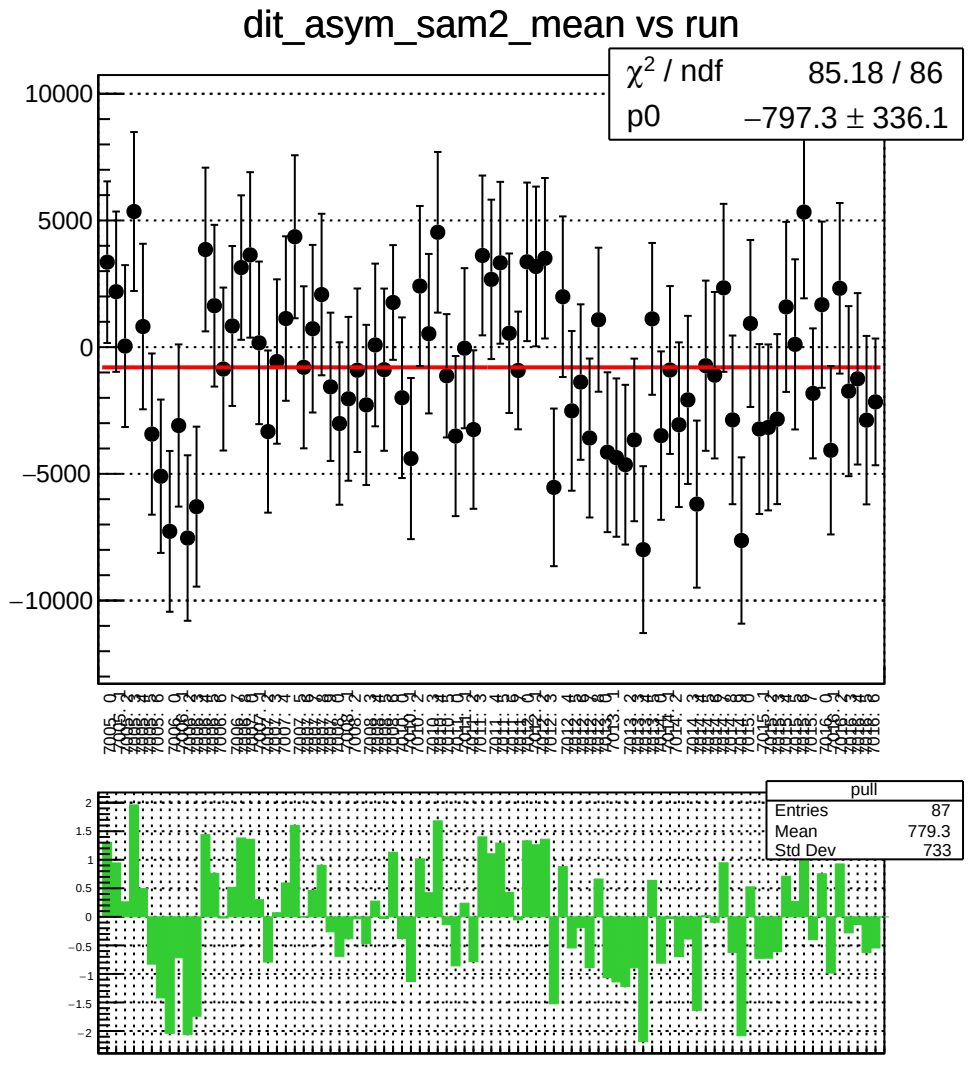

pull1D
Entries 87
Mean 0.01598
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

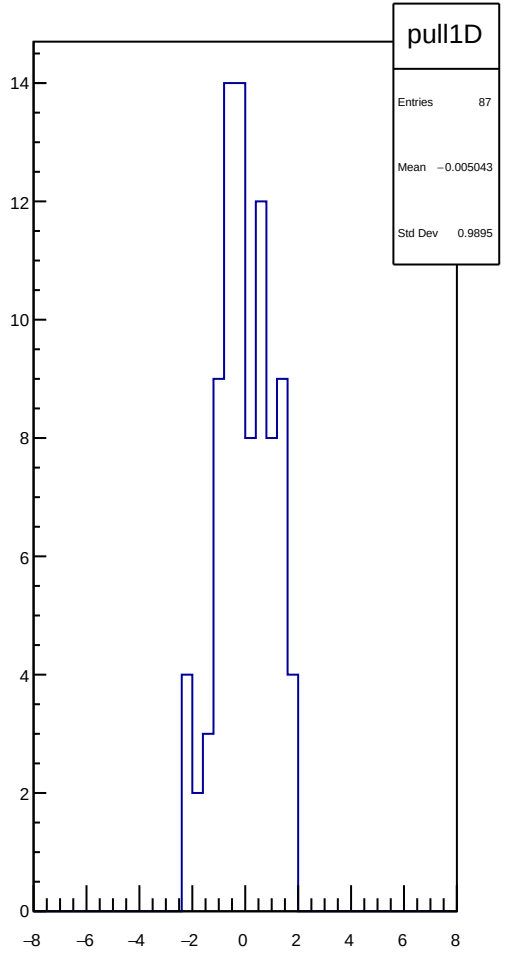

asym_sam1_correction_rms vs run
χ² / ndf 4116 / 86
p0 283.6 ± 0.2207
320
310
300
290
280
270
260
250

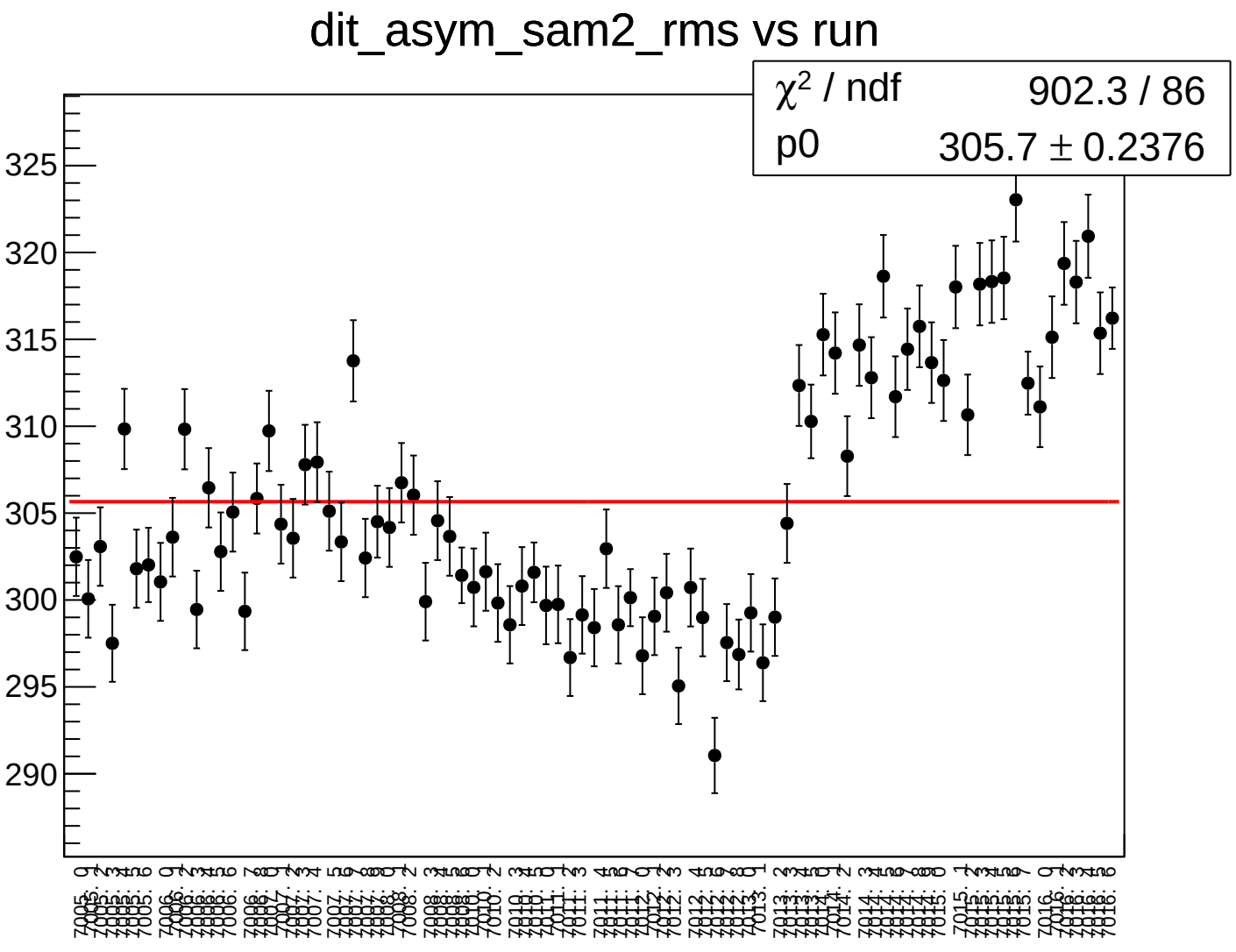

asym_sam1_mean vs run
χ² / ndf 91.98 / 86
p0 −162.1± 313.2
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −3.791
Std Dev 56.15
3
2
1
0
−1
−2

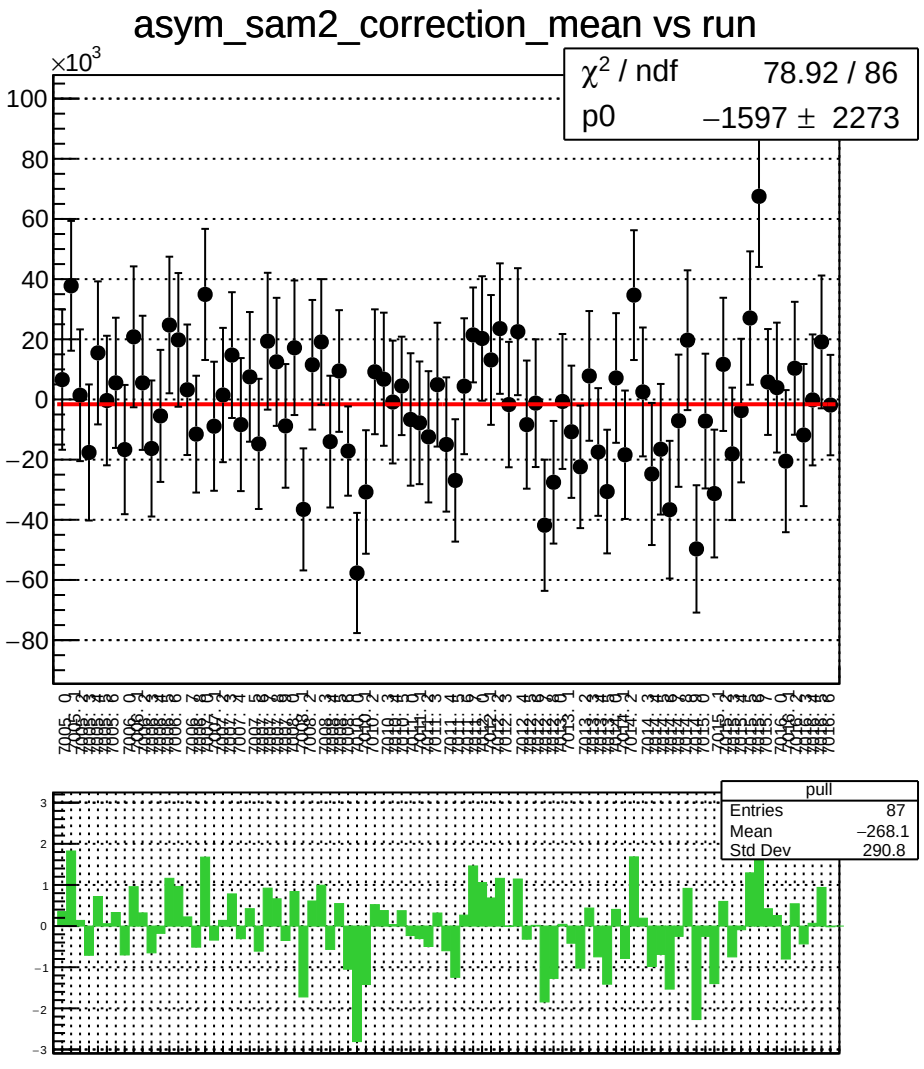

pull1D
Entries 87
Mean −0.02197
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

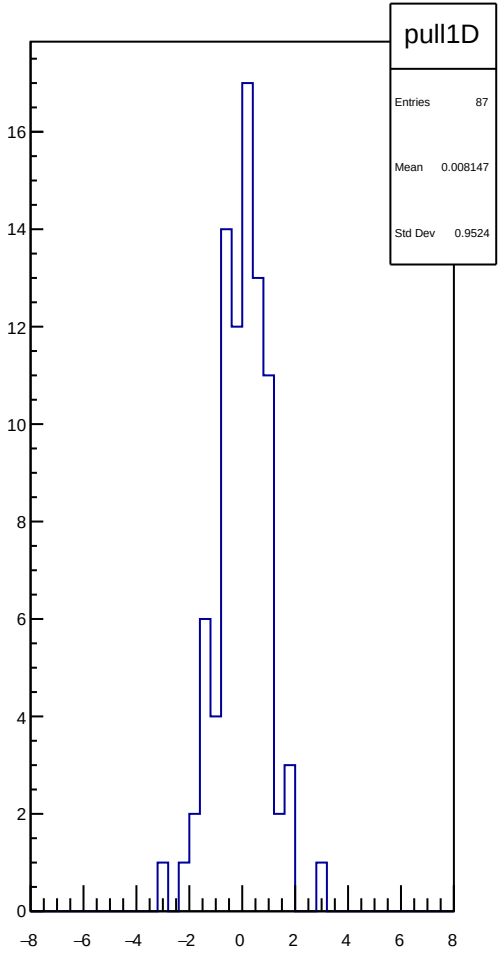

asym_sam1_rms vs run
χ² / ndf 3321 / 86
p0 284.6 ± 0.2214
320
310
300
290
280
270
260

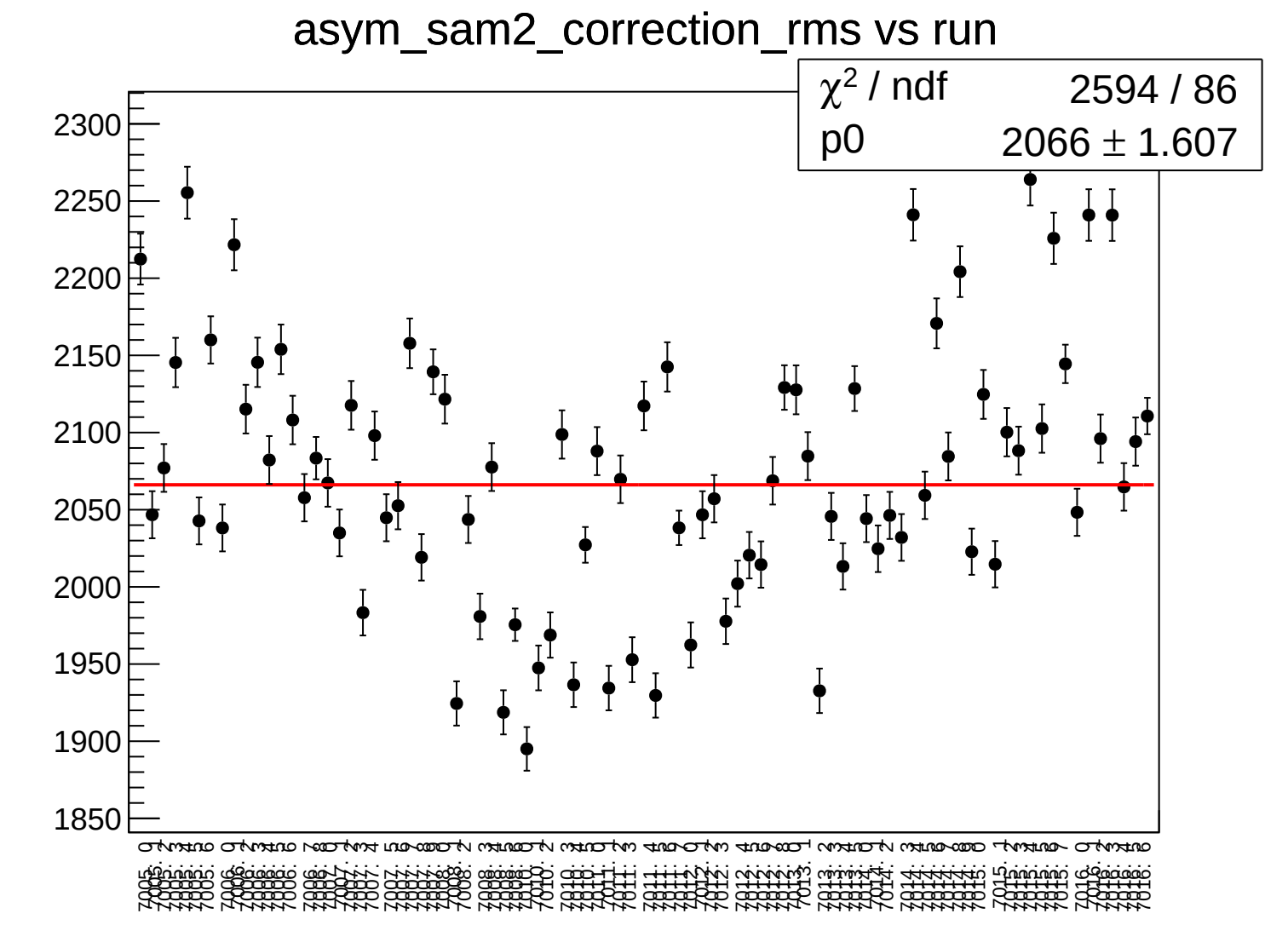

dit_asym_sam2_mean vs run
χ² / ndf 85.18 / 86
p0 −797.3 ± 336.1
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 779.3
Std Dev 733
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

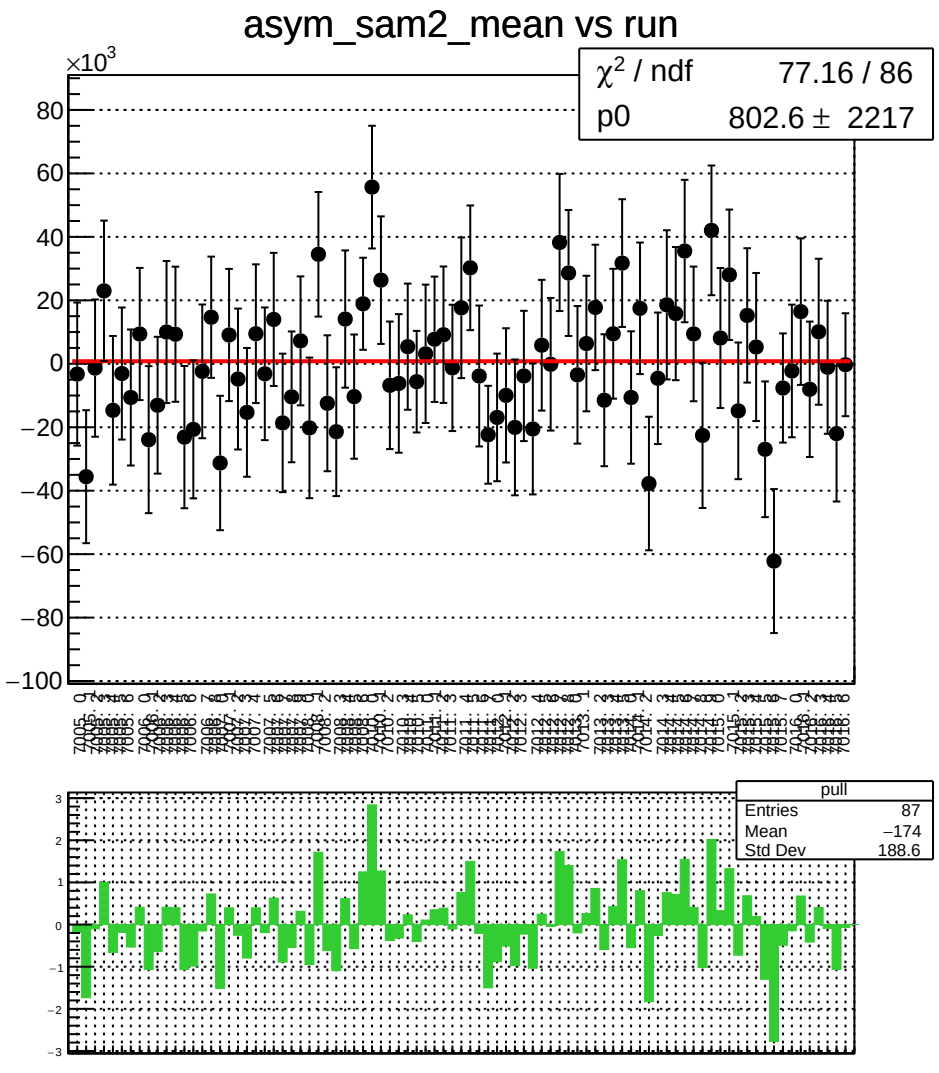

pull1D
Entries 87
Mean −0.005043
Std Dev 0.9895
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

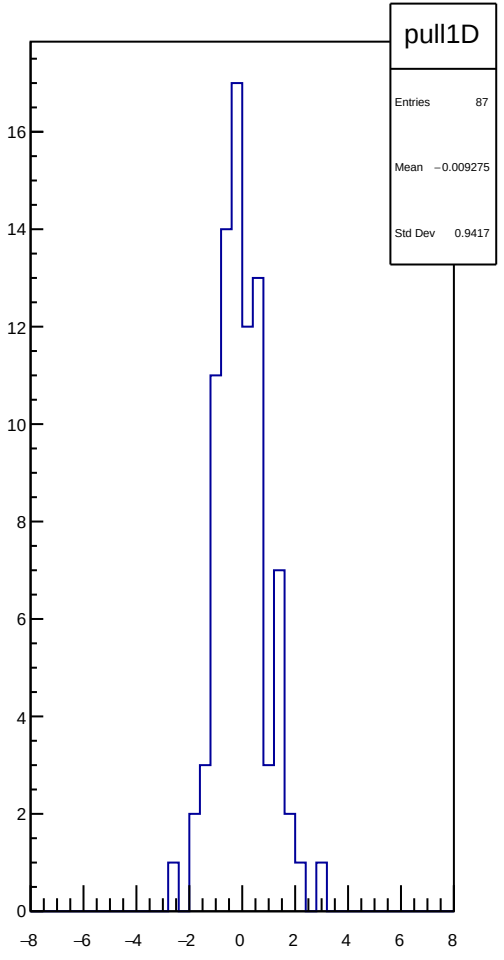

dit_asym_sam2_rms vs run
χ² / ndf 902.3 / 86
p0 305.7 ± 0.2376
325
320
315
310
305
300
295
290

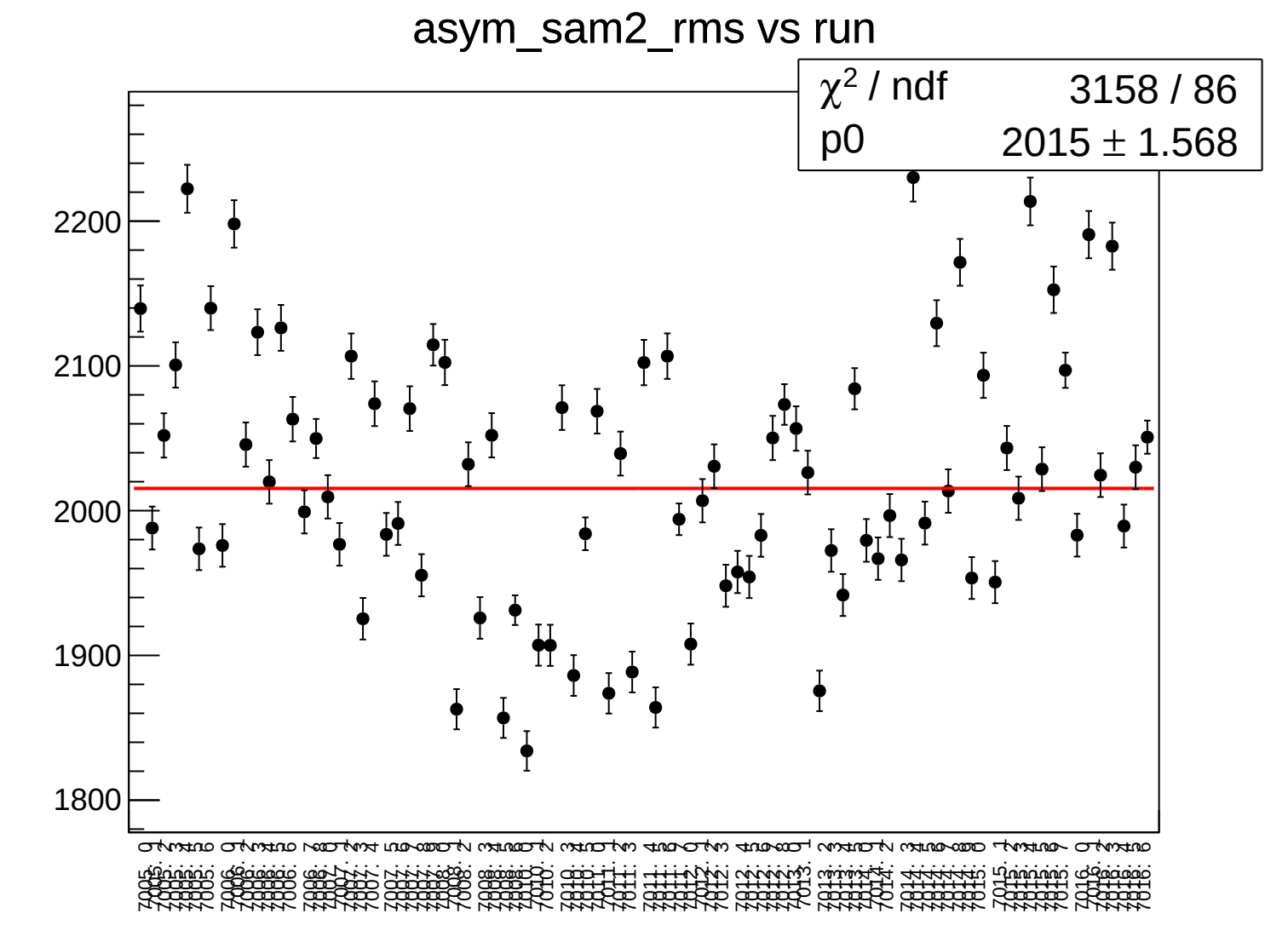

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 78.92 / 86
p0 −1597 ± 2273
pull
Entries 87
Mean −268.1
Std Dev 290.8

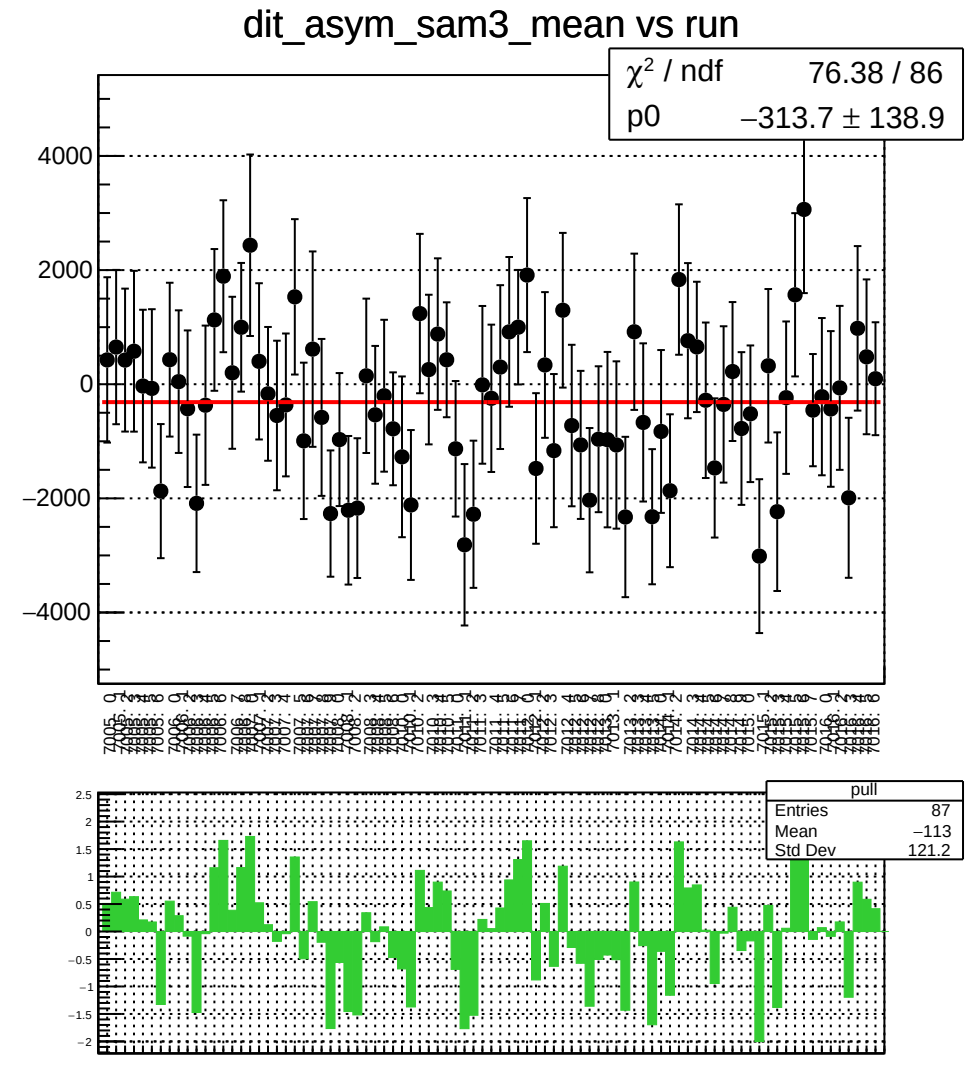

pull1D
Entries 87
Mean 0.008147
Std Dev 0.9524

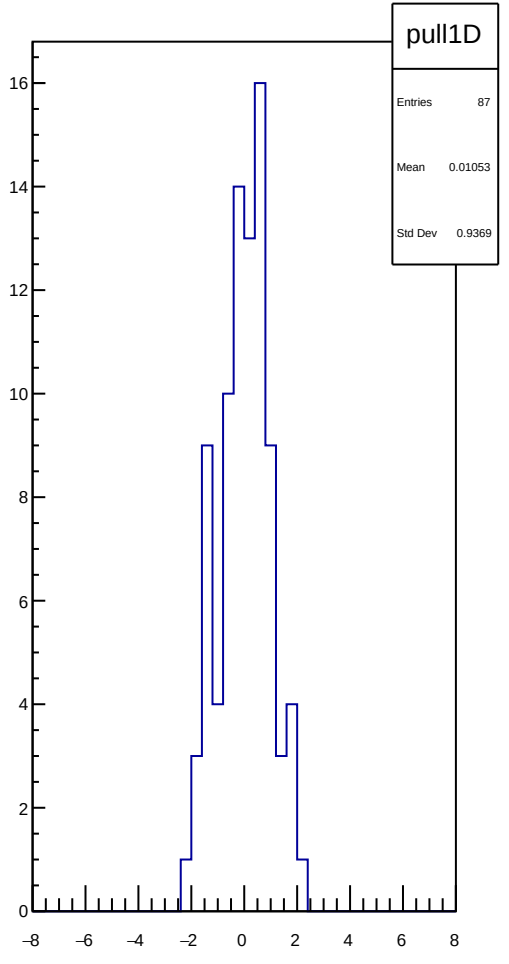

asym_sam2_correction_rms vs run
χ² / ndf 2594 / 86
p0 2066 ± 1.607
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850

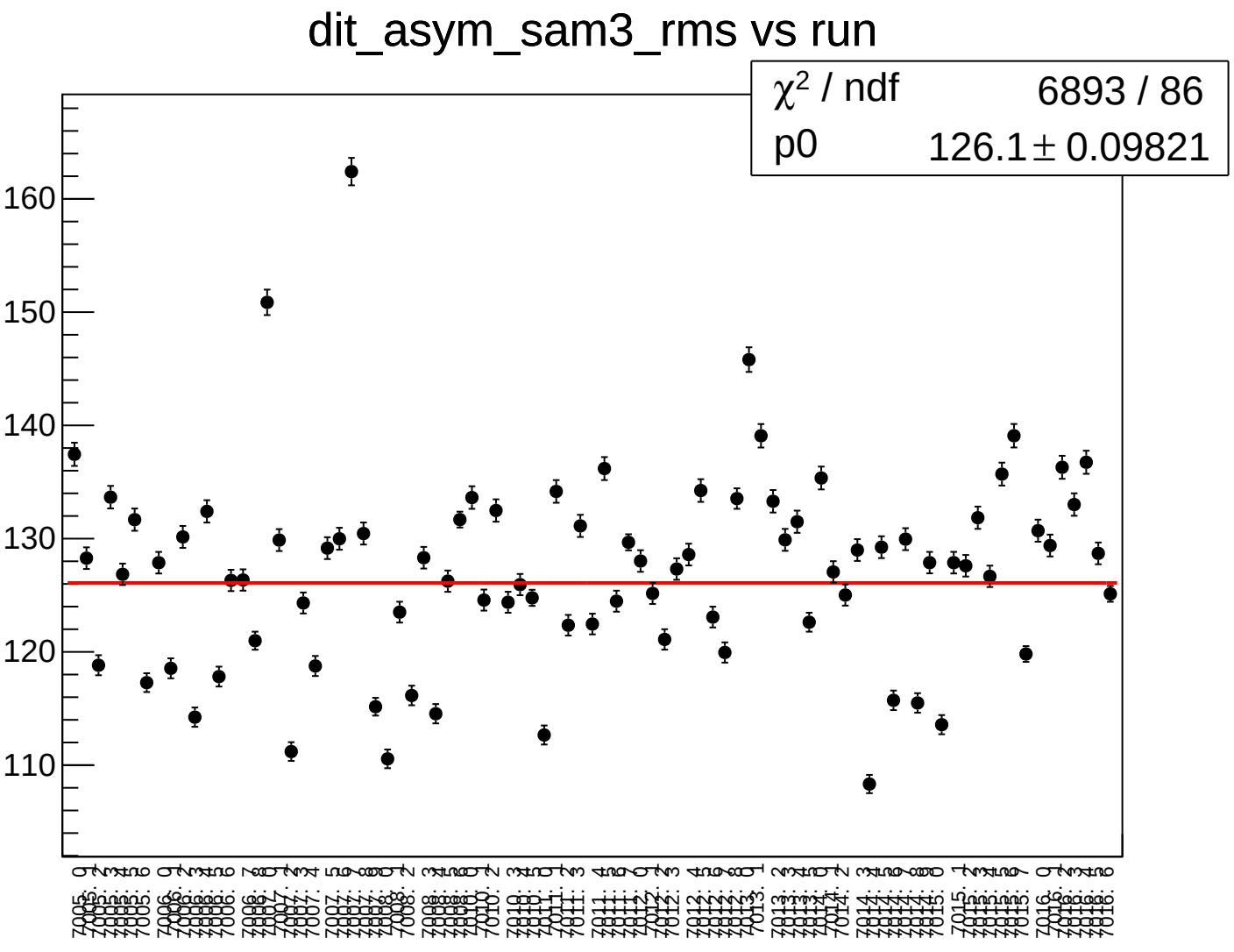

asym_sam2_mean vs run
×10^3
χ² / ndf 77.16 / 86
p0 802.6 ± 2217
pull
Entries 87
Mean −174
Std Dev 188.6

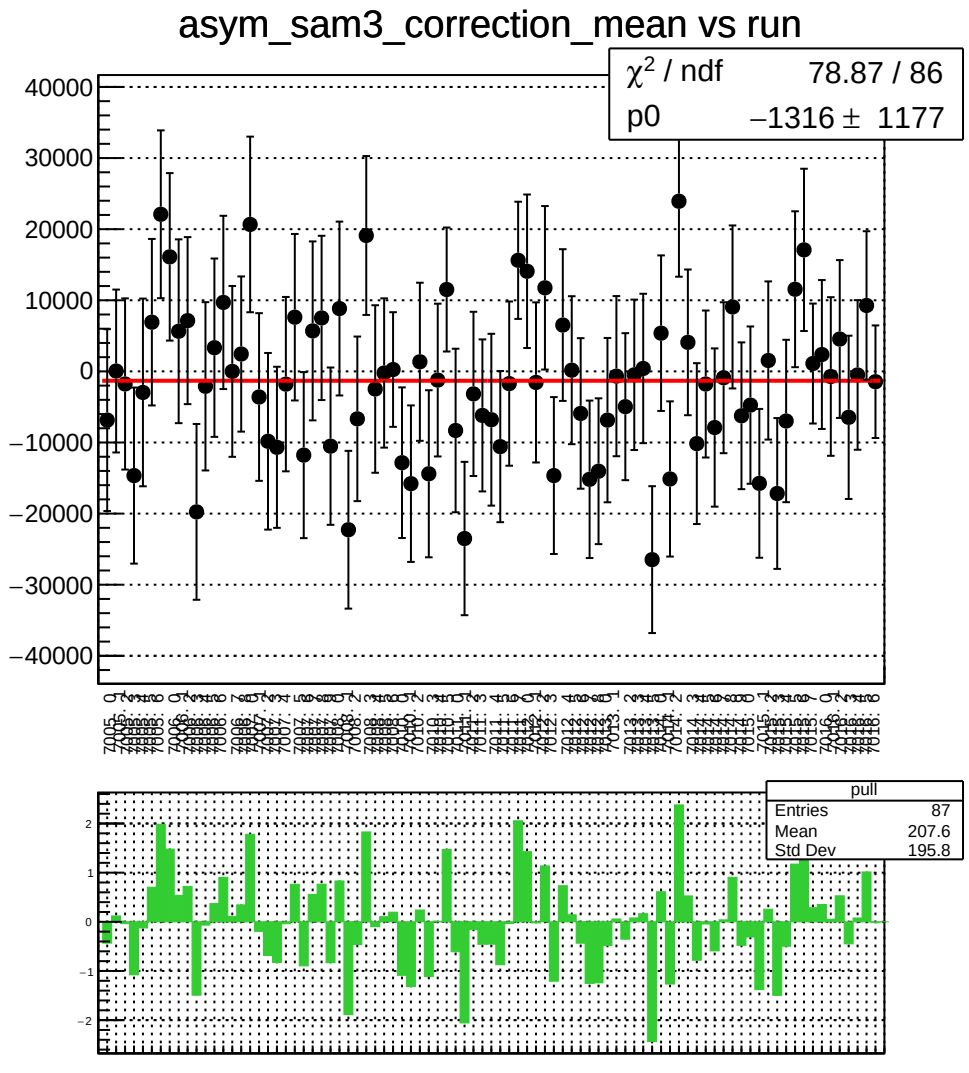

pull1D
Entries 87
Mean −0.009275
Std Dev 0.9417

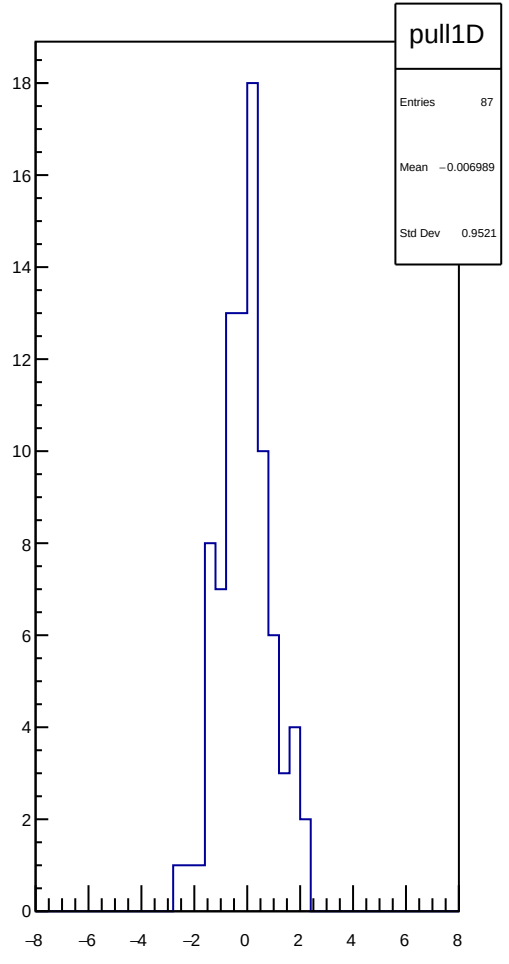

asym_sam2_rms vs run
χ² / ndf 3158 / 86
p0 2015 ± 1.568
2200
2100
2000
1900
1800

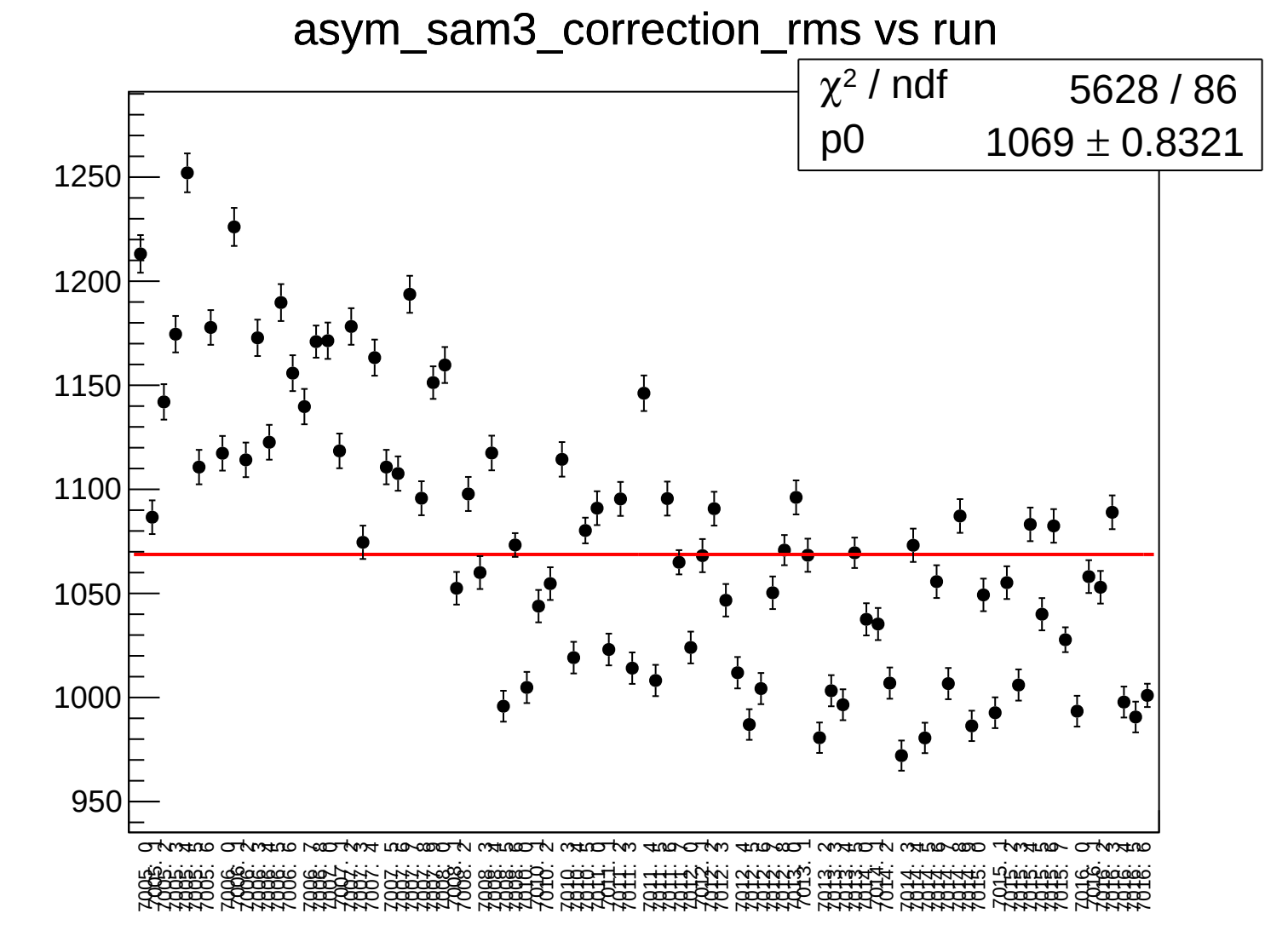

dit_asym_sam3_mean vs run
χ² / ndf 76.38 / 86
p0 −313.7 ± 138.9
4000
2000
0
−2000
−4000
pull
Entries 87
Mean −113
Std Dev 121.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

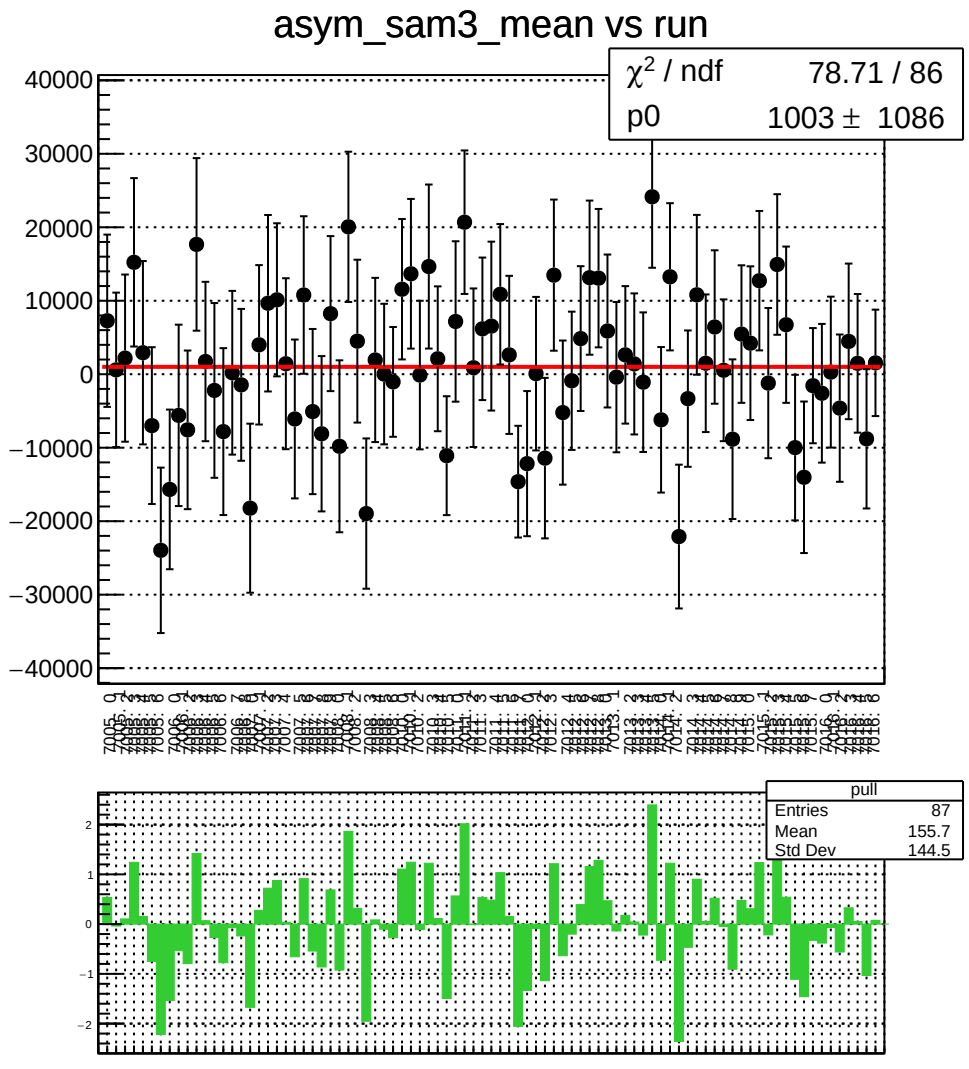

pull1D
Entries 87
Mean 0.01053
Std Dev 0.9369
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

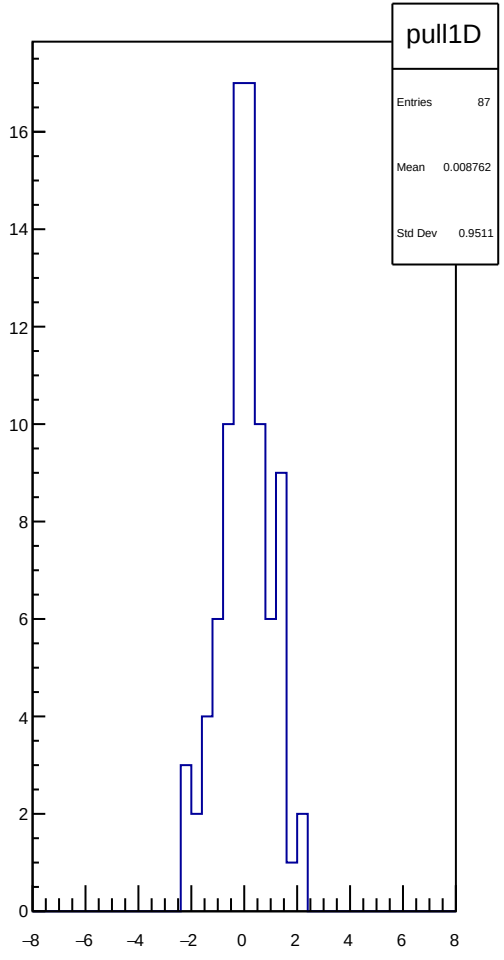

dit_asym_sam3_rms vs run
χ² / ndf 6893 / 86
p0 126.1 ± 0.09821
160
150
140
130
120
110

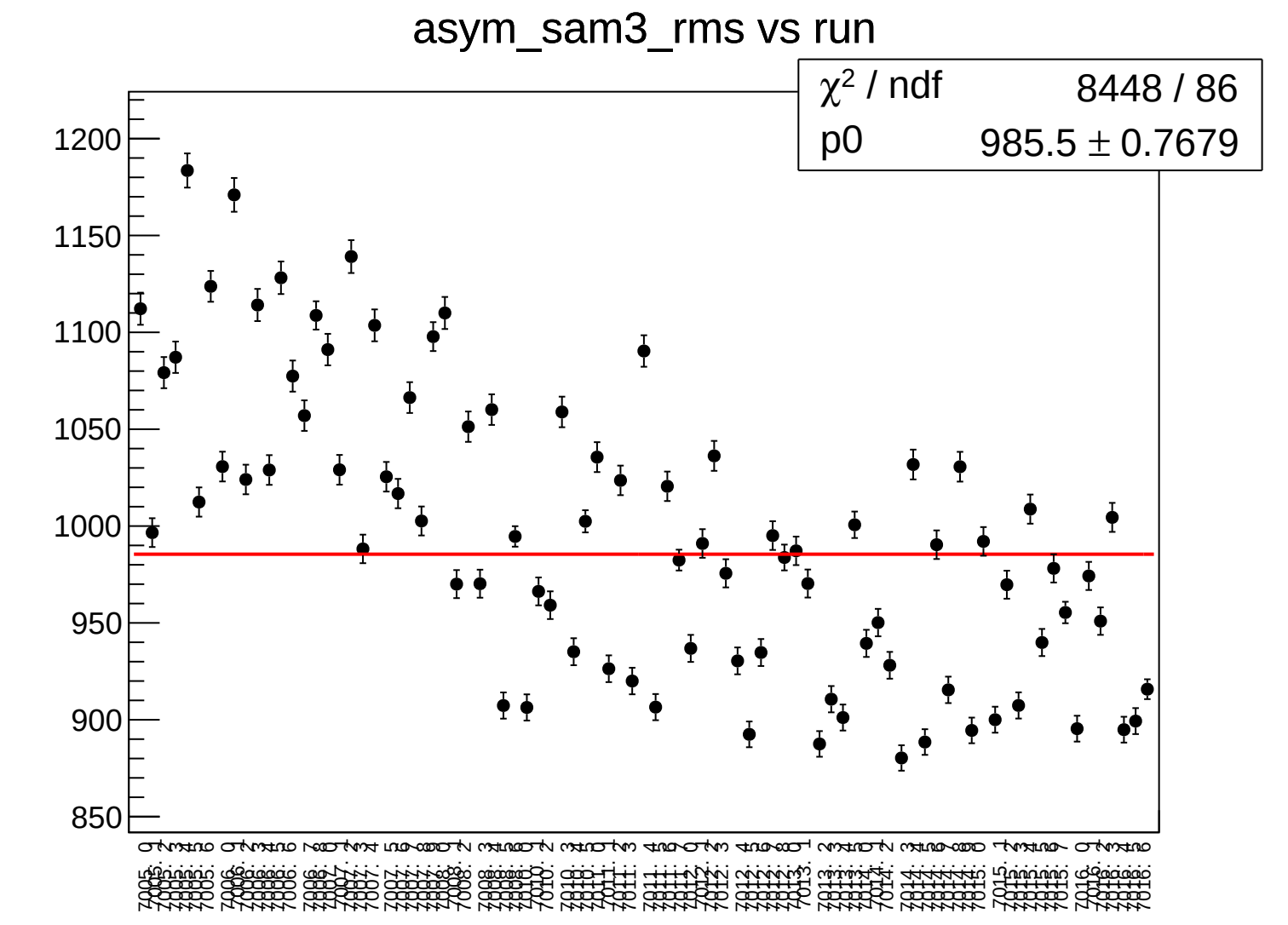

asym_sam3_correction_mean vs run
χ² / ndf 78.87 / 86
p0 −1316 ± 1177
pull
Entries 87
Mean 207.6
Std Dev 195.8

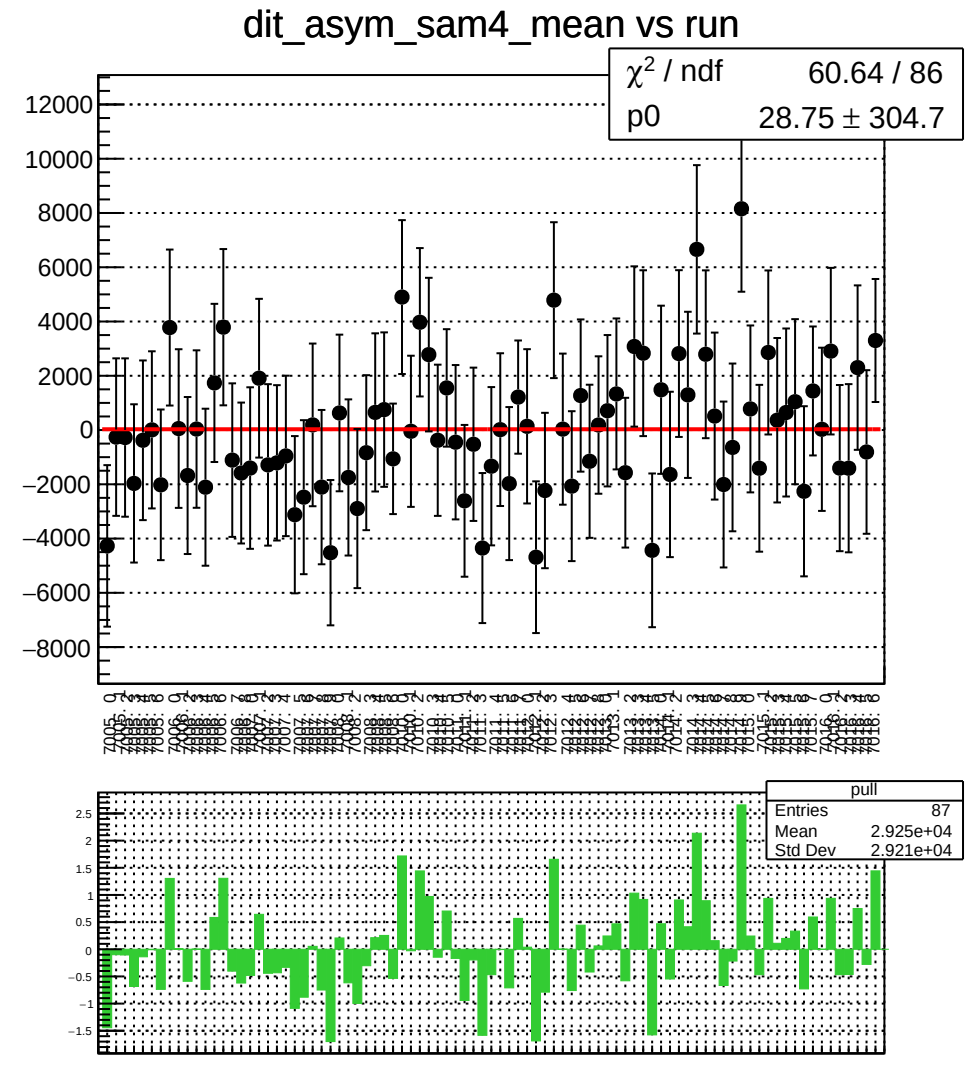

pull1D
Entries 87
Mean −0.006989
Std Dev 0.9521

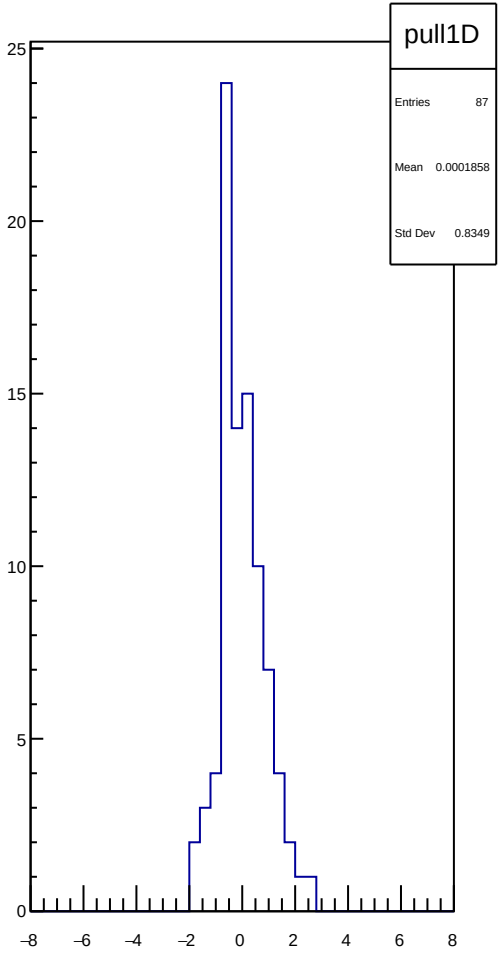

asym_sam3_correction_rms vs run
χ² / ndf 5628 / 86
p0 1069 ± 0.8321
1250
1200
1150
1100
1050
1000
950

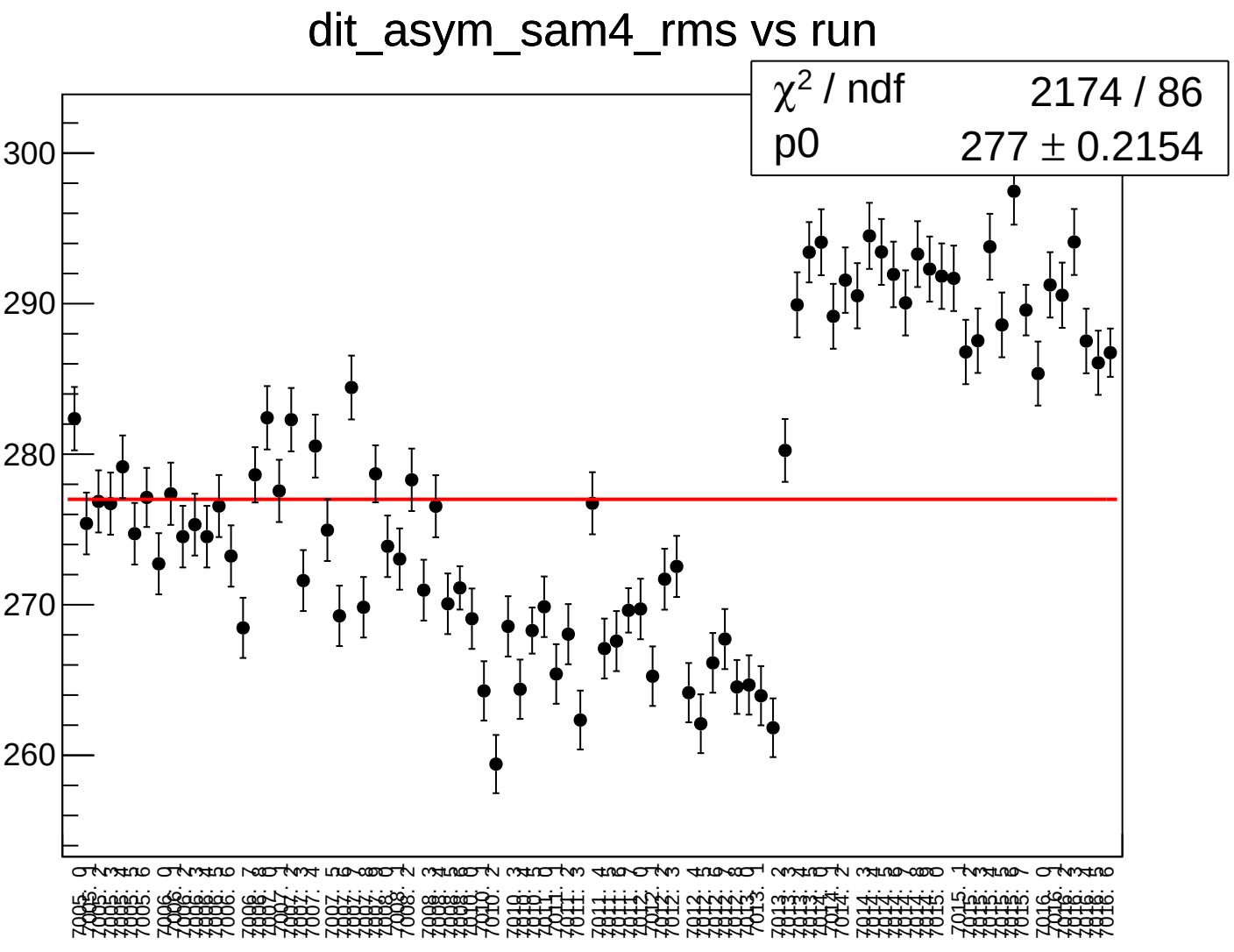

asym_sam3_mean vs run
χ² / ndf 78.71 / 86
p0 1003 ± 1086
pull
Entries 87
Mean 155.7
Std Dev 144.5

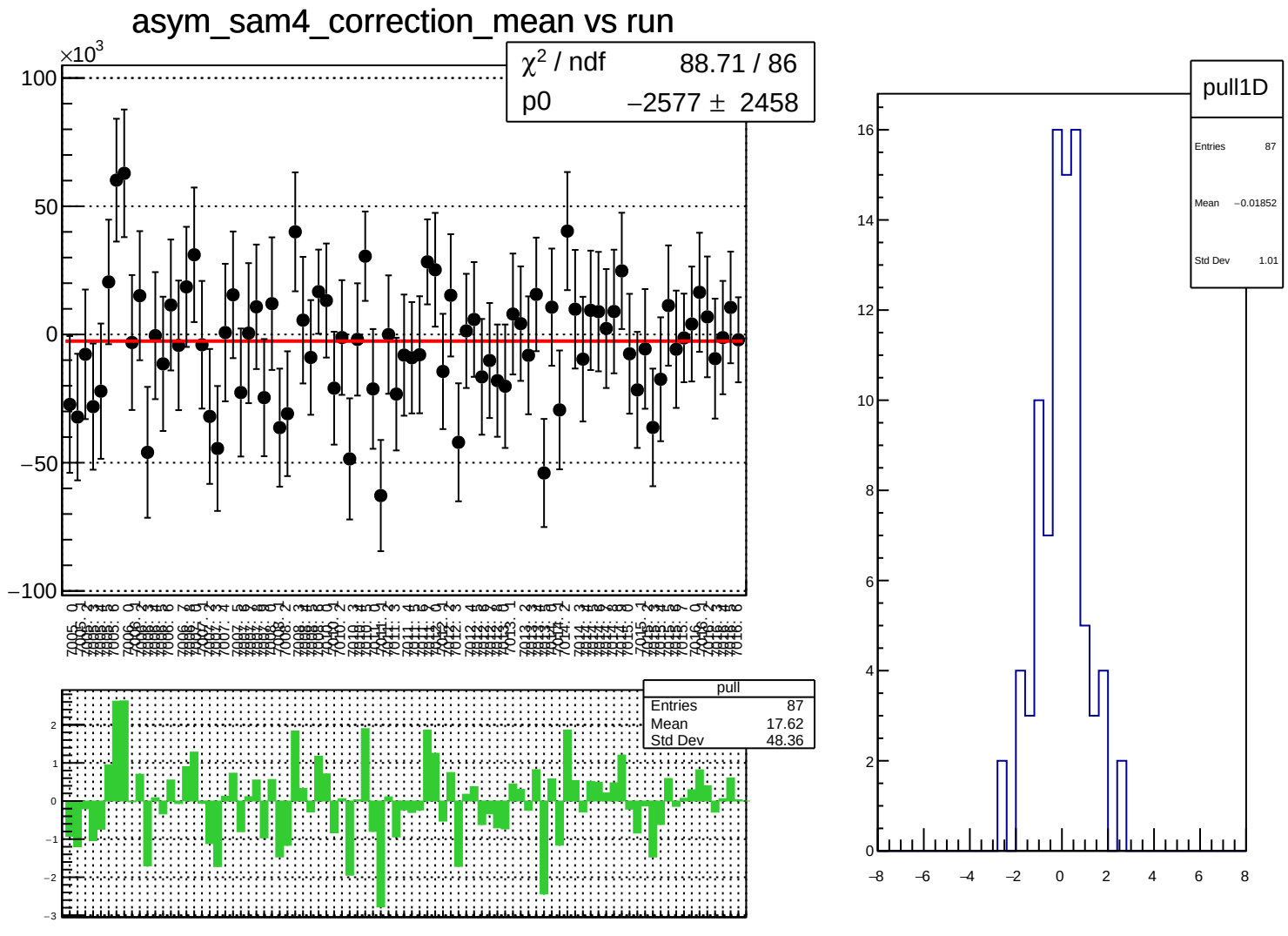

pull1D
Entries 87
Mean 0.008762
Std Dev 0.9511

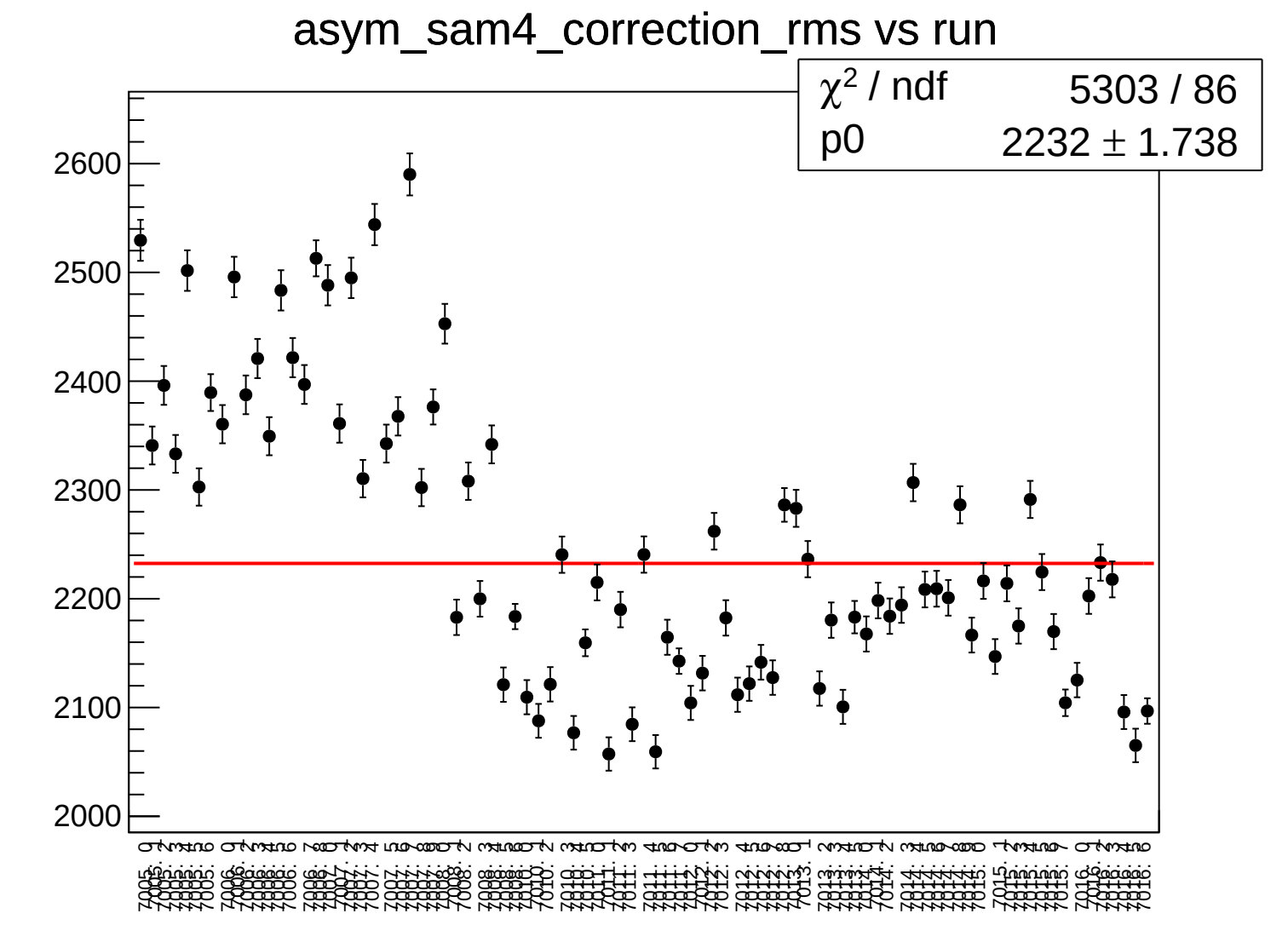

asym_sam3_rms vs run
χ² / ndf 8448 / 86
p0 985.5 ± 0.7679
1200
1150
1100
1050
1000
950
900
850

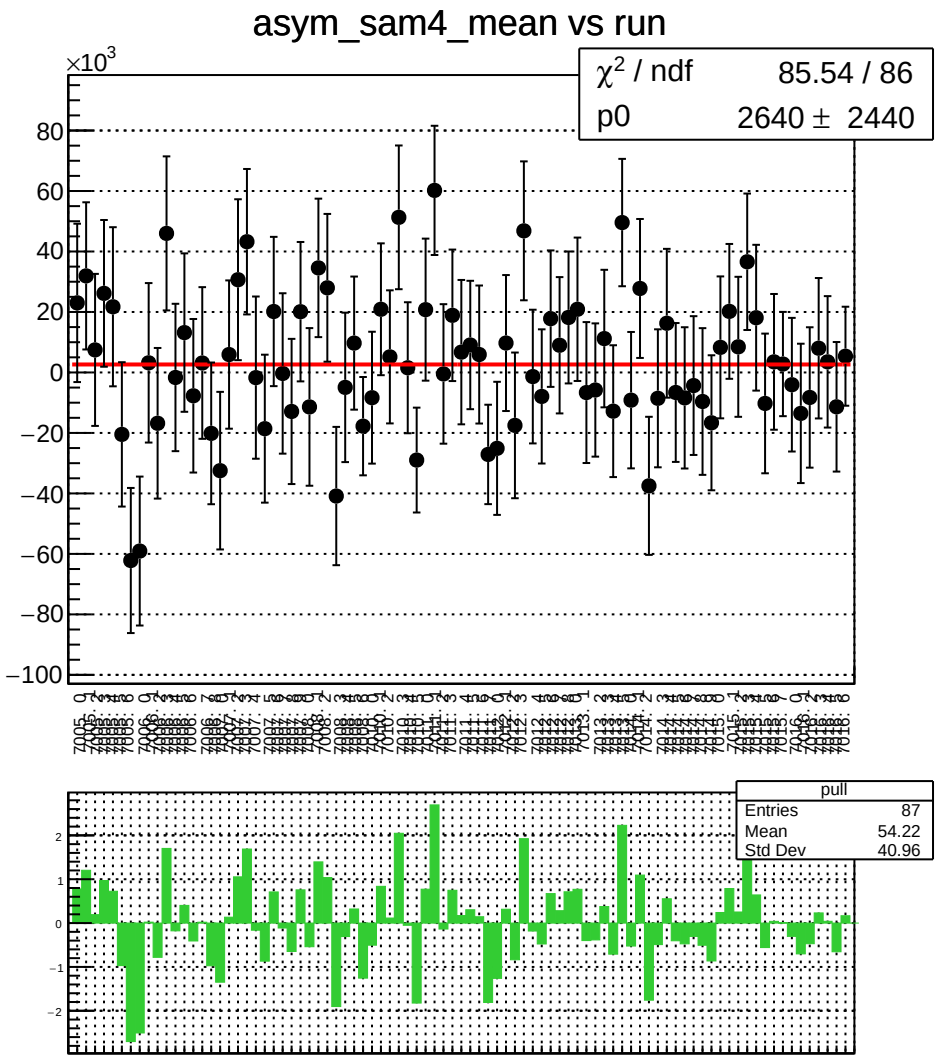

dit_asym_sam4_mean vs run
χ² / ndf 60.64 / 86
p0 28.75 ± 304.7
pull
Entries 87
Mean 2.925e+04
Std Dev 2.921e+04

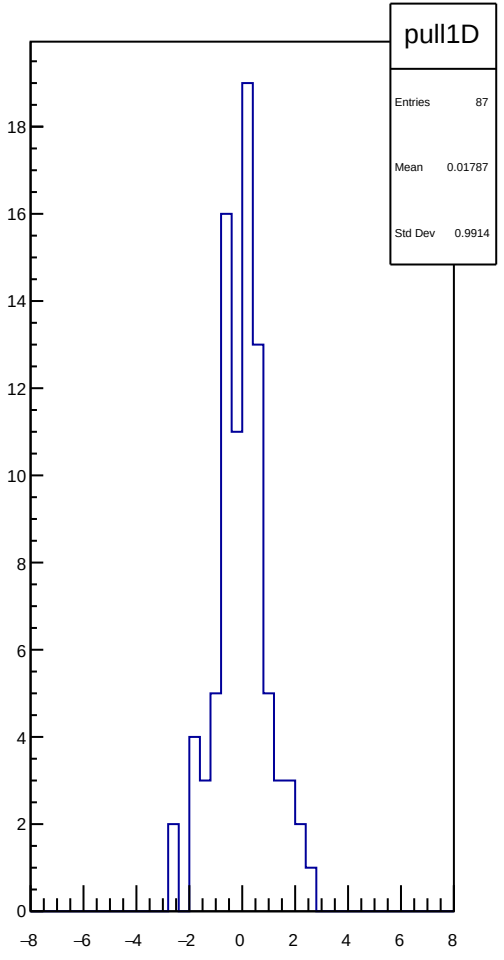

pull1D
Entries 87
Mean 0.0001858
Std Dev 0.8349

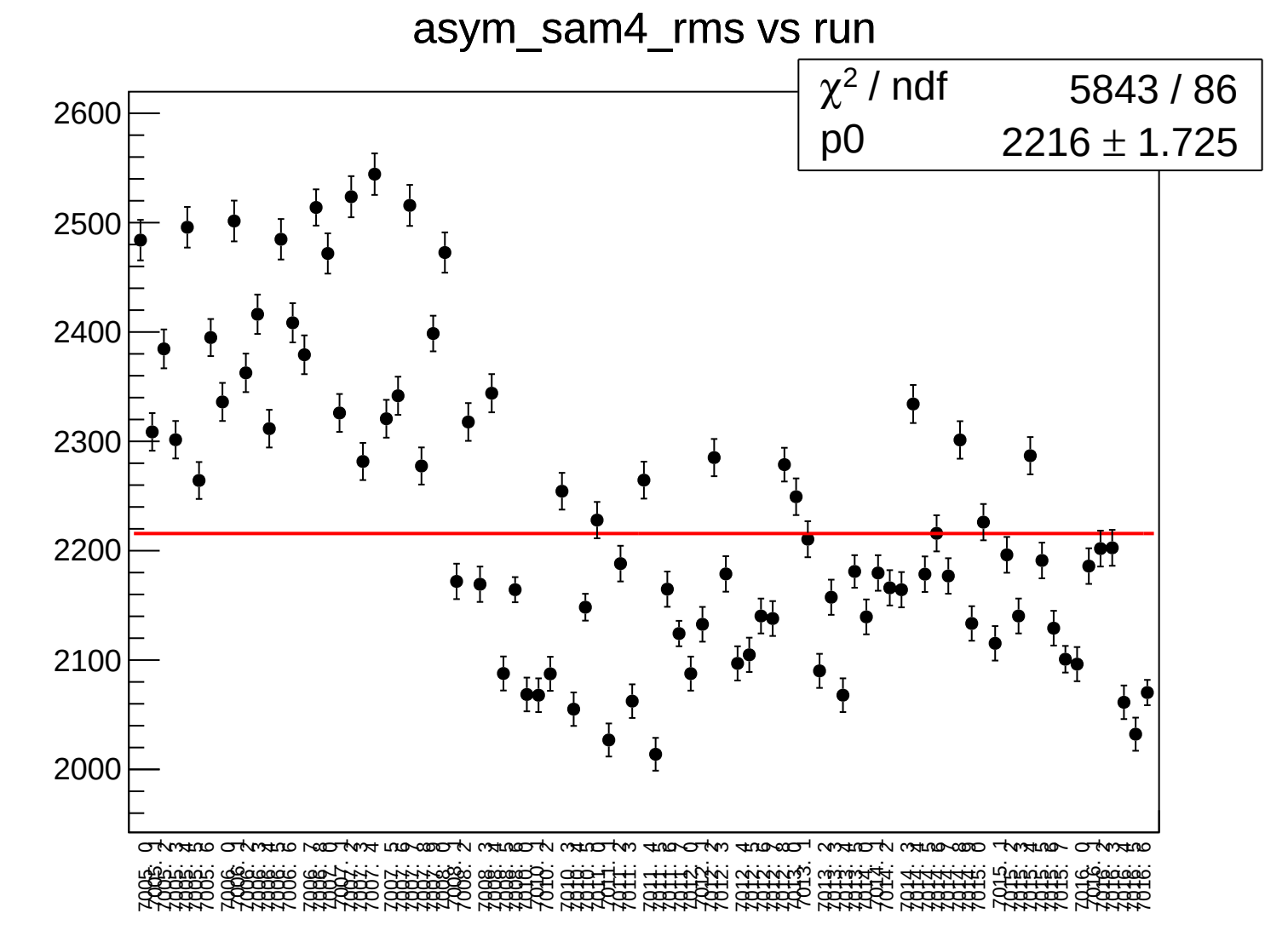

dit_asym_sam4_rms vs run
χ² / ndf 2174 / 86
p0 277 ± 0.2154
300
290
280
270
260

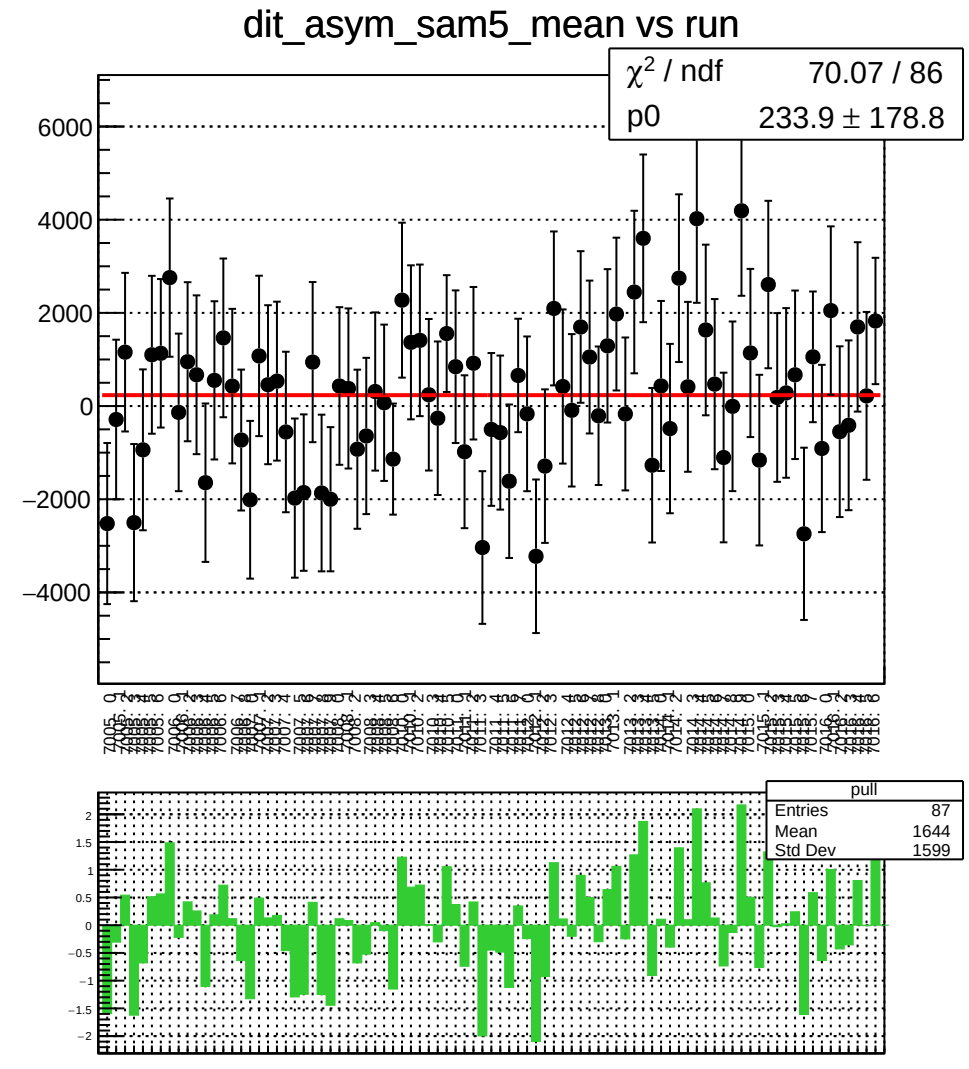

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.71 / 86
p0 −2577 ± 2458
pull
Entries 87
Mean 17.62
Std Dev 48.36
pull1D
Entries 87
Mean −0.01852
Std Dev 1.01

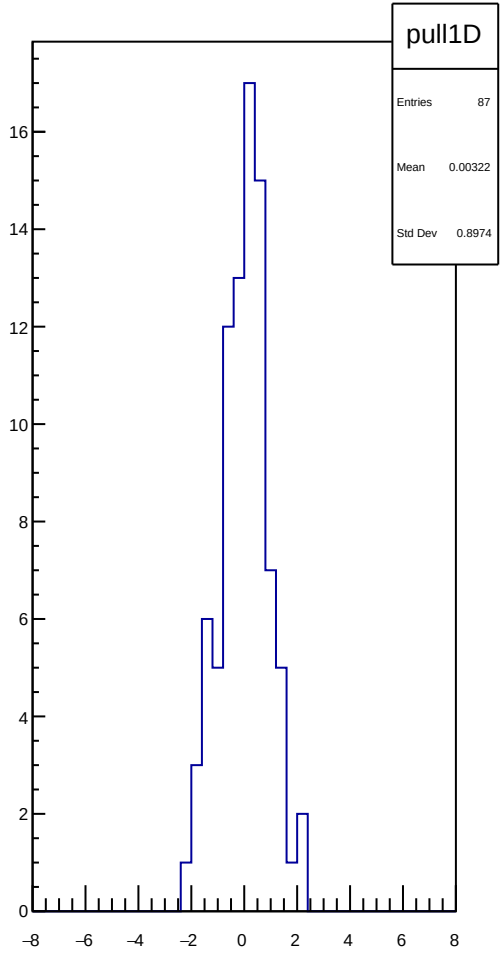

asym_sam4_correction_rms vs run
χ² / ndf 5303 / 86
p0 2232 ± 1.738
2600
2500
2400
2300
2200
2100
2000

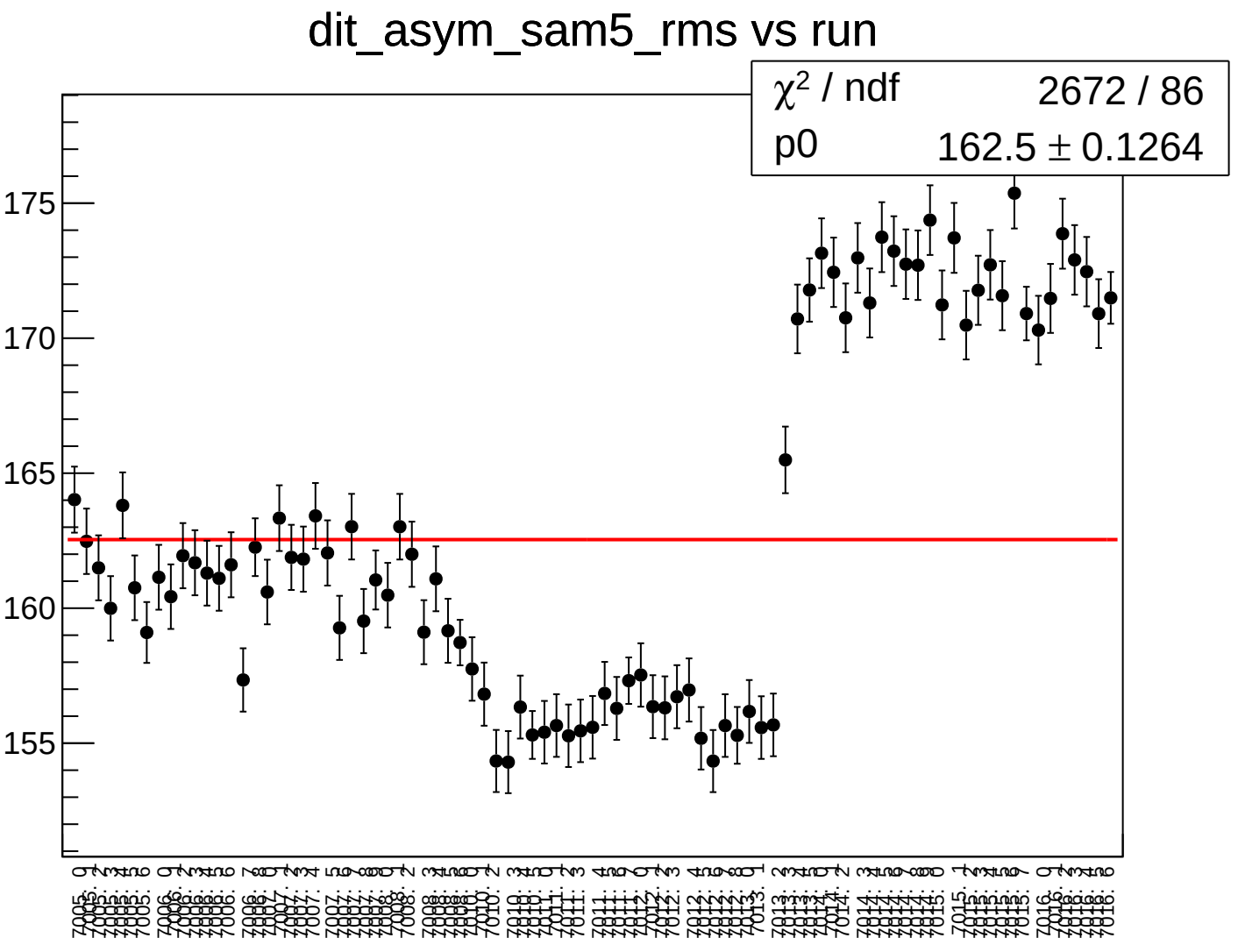

asym_sam4_mean vs run
×10^3
χ² / ndf 85.54 / 86
p0 2640 ± 2440
pull
Entries 87
Mean 54.22
Std Dev 40.96

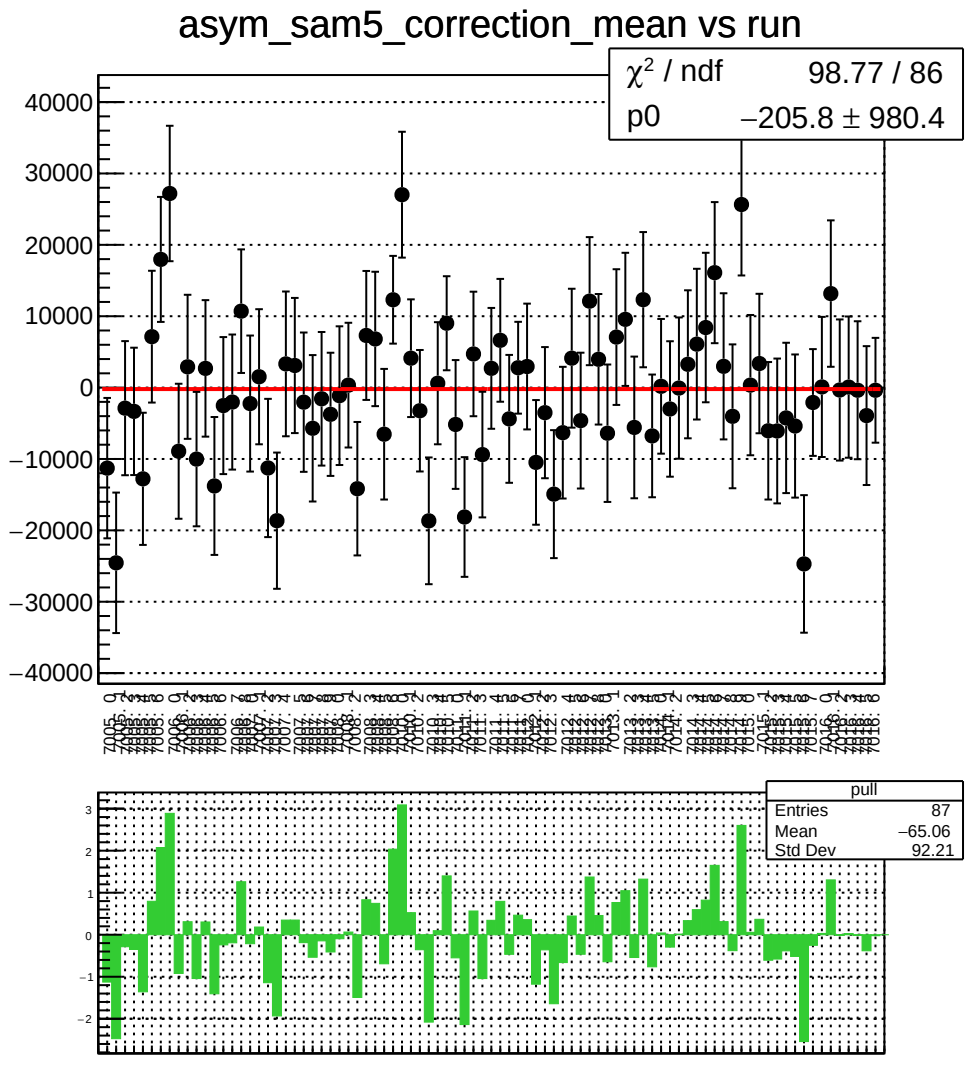

pull1D
Entries 87
Mean 0.01787
Std Dev 0.9914

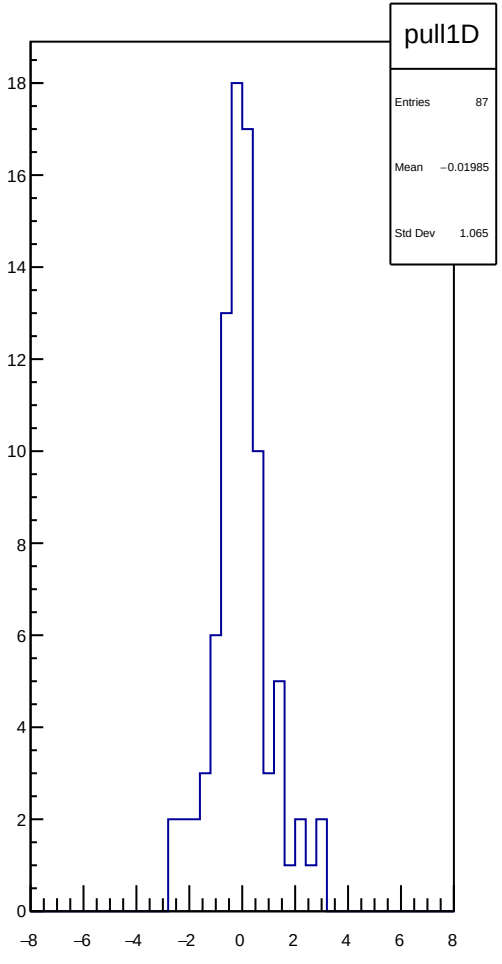

asym_sam4_rms vs run
χ² / ndf 5843 / 86
p0 2216 ± 1.725
2600
2500
2400
2300
2200
2100
2000

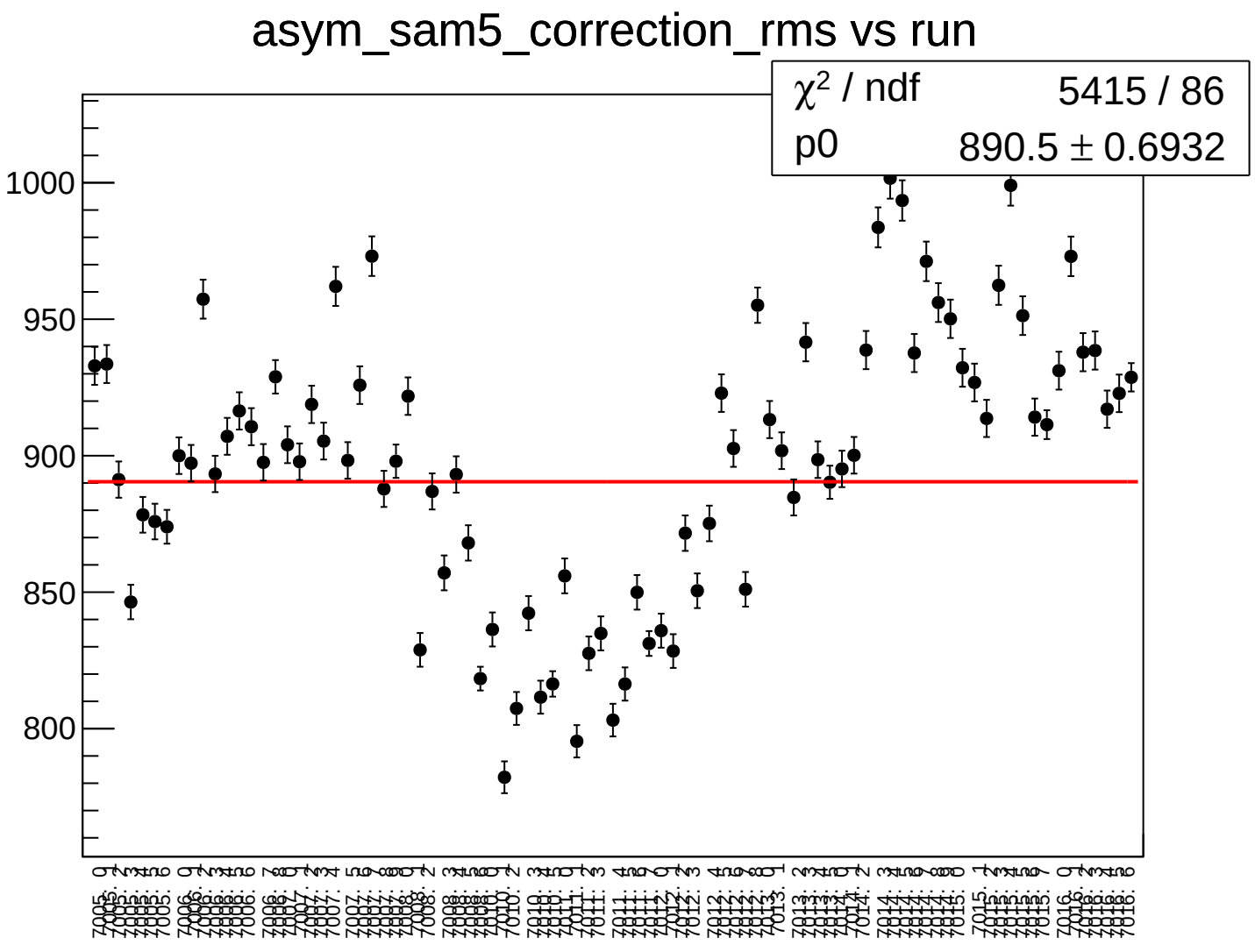

dit_asym_sam5_mean vs run
χ^2 / ndf 70.07 / 86
p0 233.9 ± 178.8
6000
4000
2000
0
−2000
−4000
pull
Entries 87
Mean 1644
Std Dev 1599
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

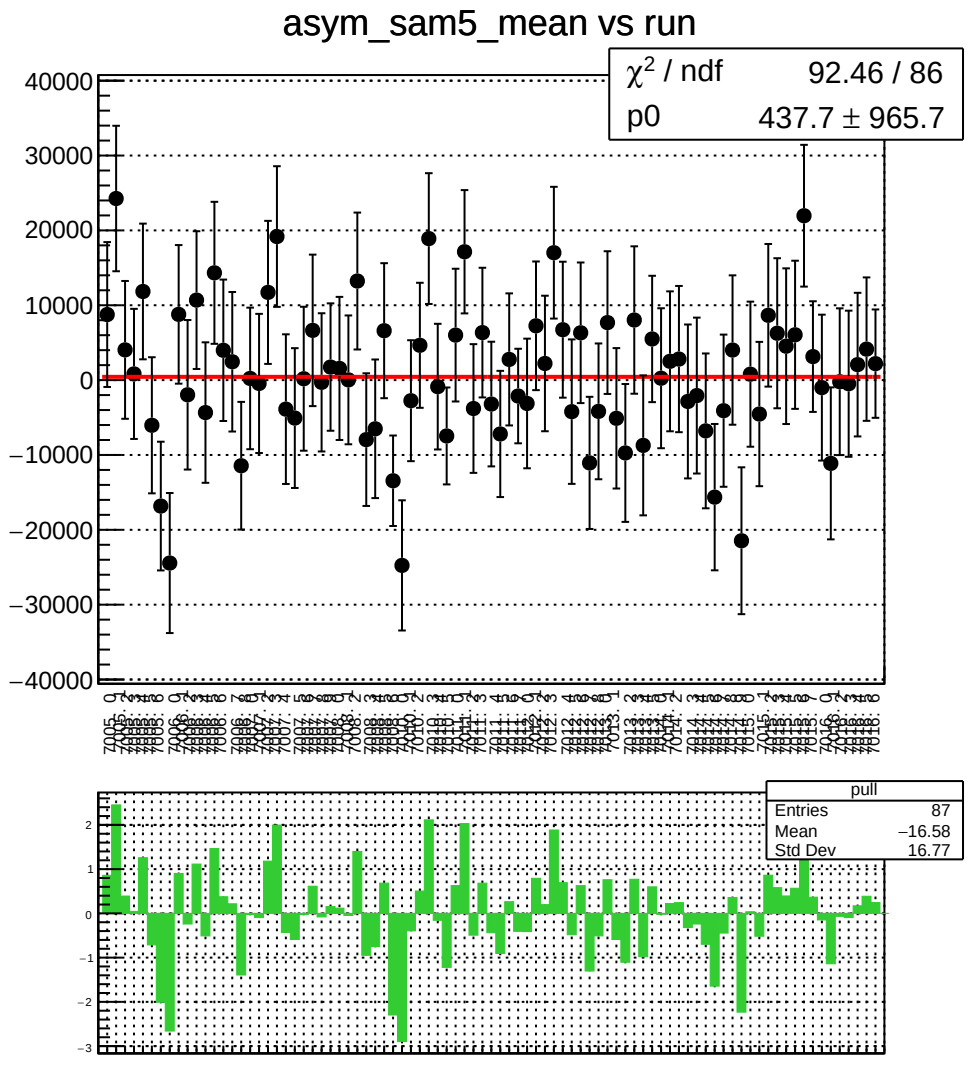

pull1D
Entries 87
Mean 0.00322
Std Dev 0.8974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

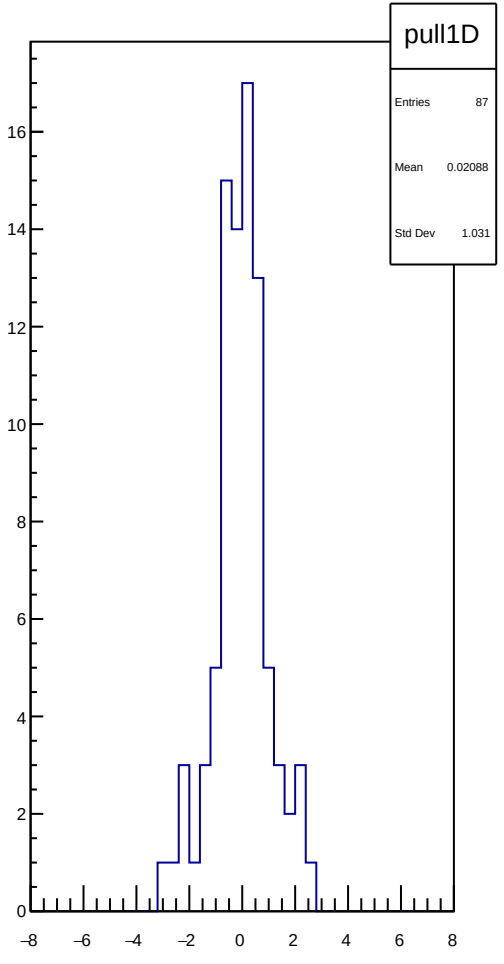

dit_asym_sam5_rms vs run
χ² / ndf 2672 / 86
p0 162.5 ± 0.1264
175
170
165
160
155

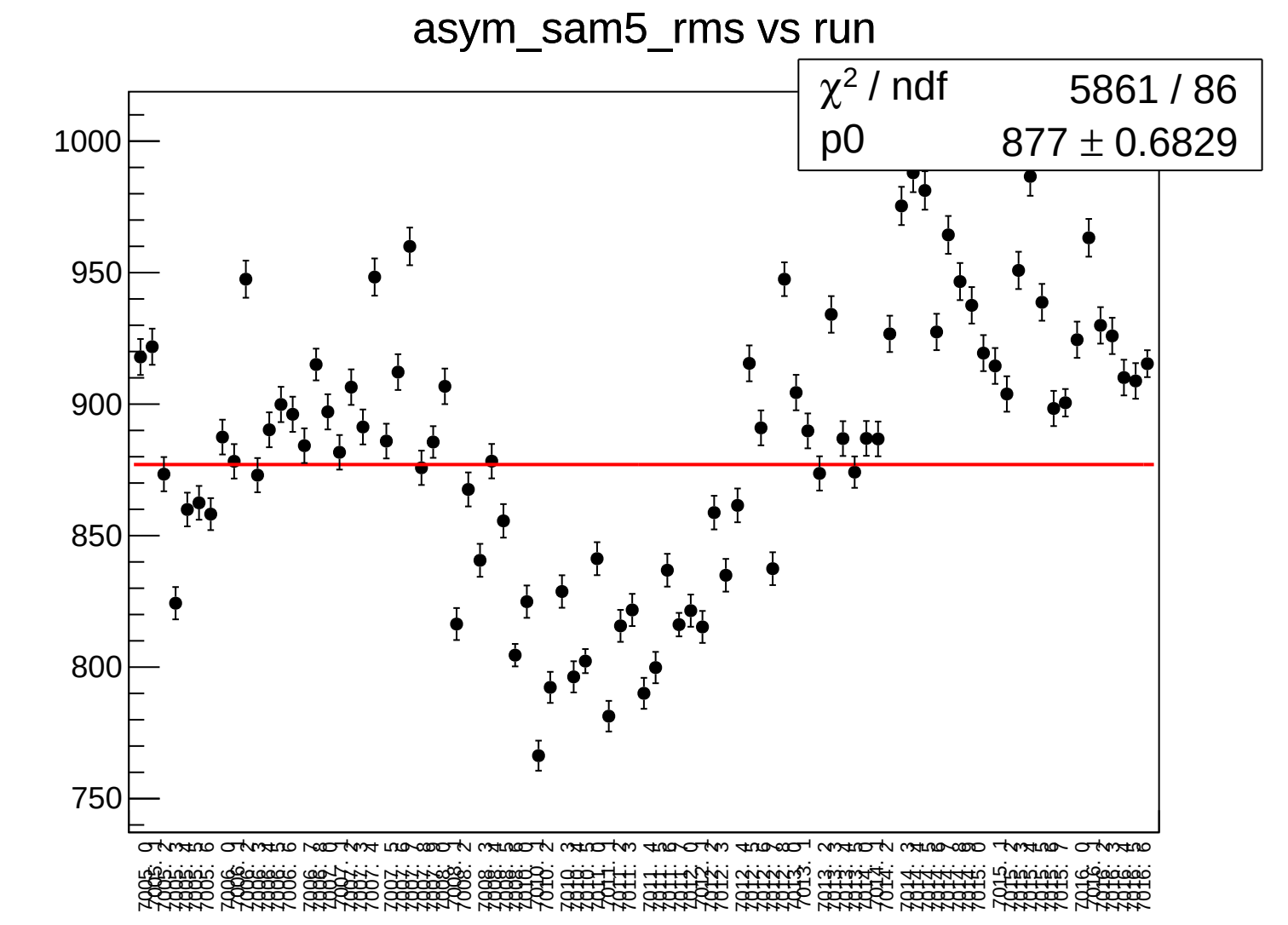

asym_sam5_correction_mean vs run
χ² / ndf 98.77 / 86
p0 −205.8 ± 980.4
pull
Entries 87
Mean −65.06
Std Dev 92.21

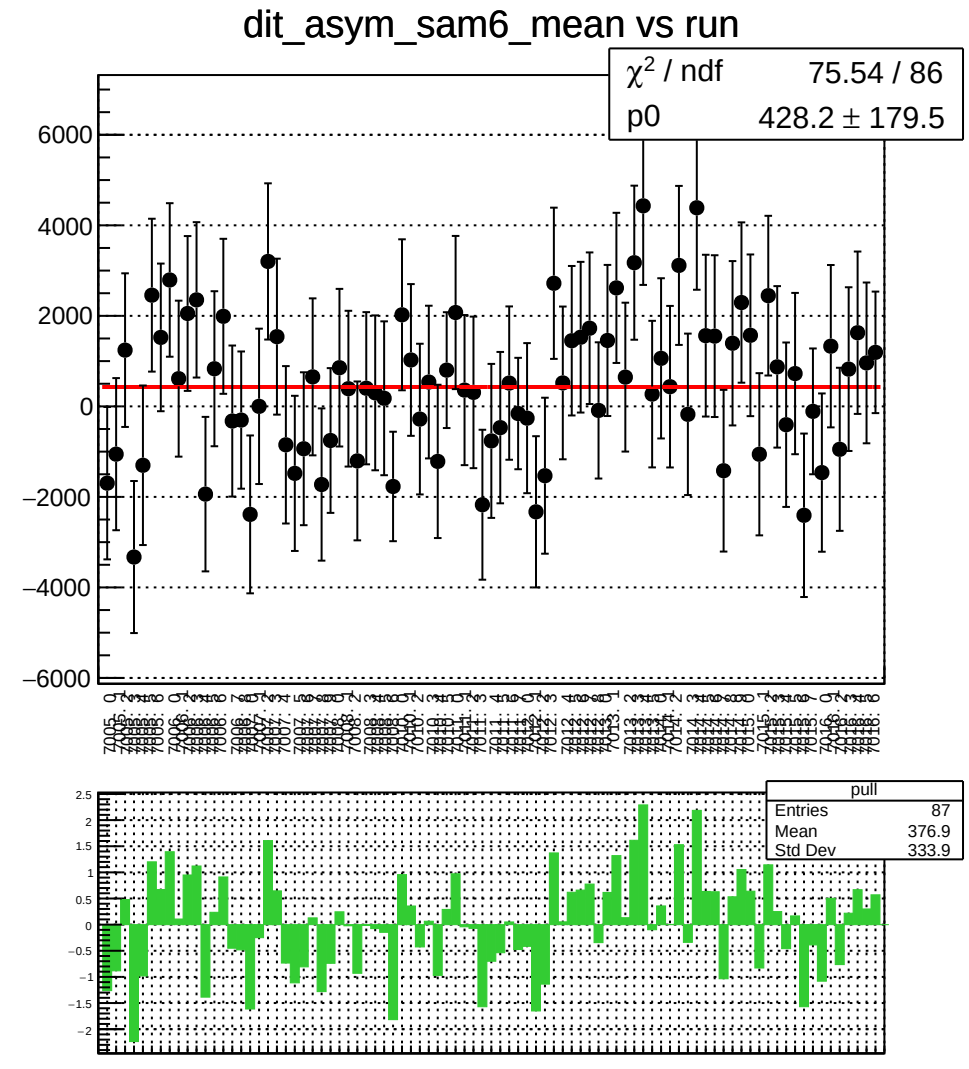

pull1D
Entries 87
Mean −0.01985
Std Dev 1.065

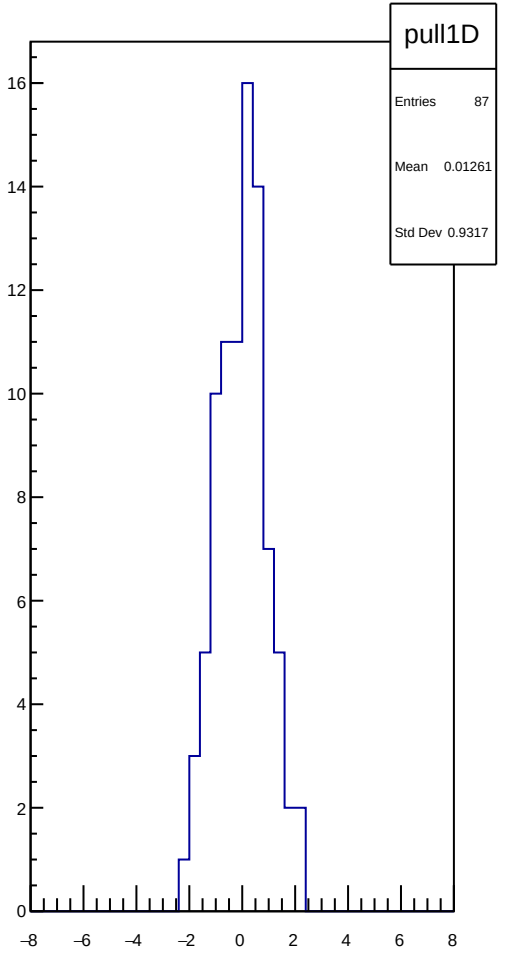

asym_sam5_correction_rms vs run
χ² / ndf 5415 / 86
p0 890.5 ± 0.6932
1000
950
900
850
800

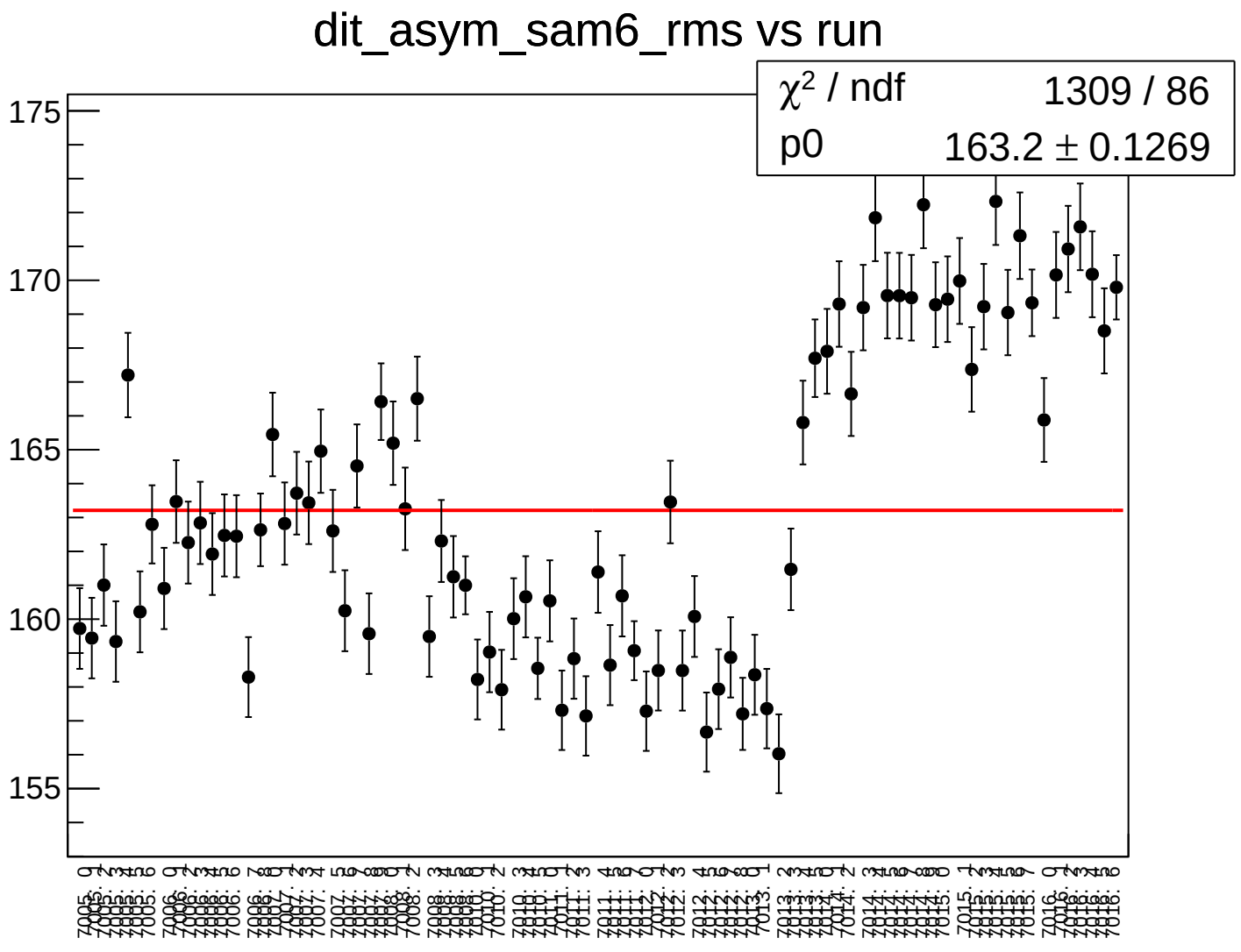

asym_sam5_mean vs run
χ² / ndf 92.46 / 86
p0 437.7 ± 965.7
pull
Entries 87
Mean −16.58
Std Dev 16.77

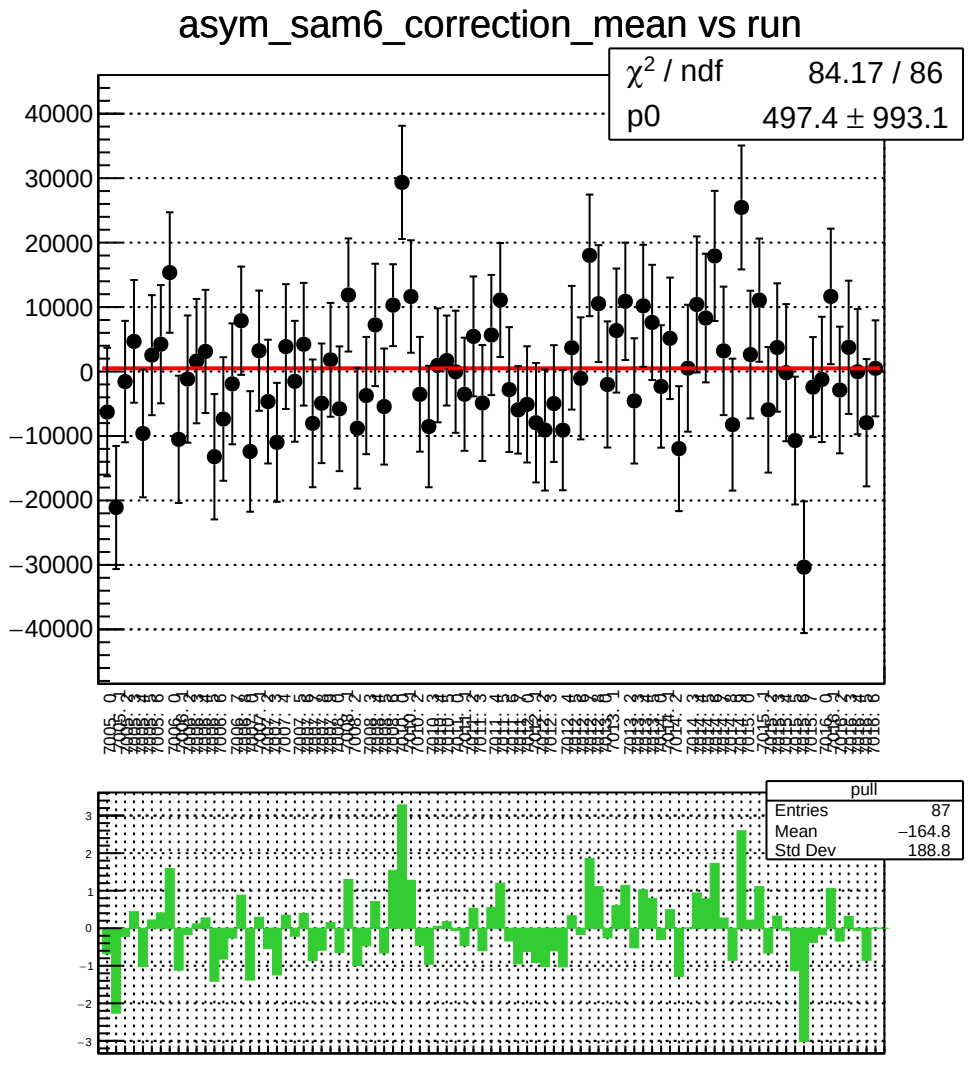

pull1D
Entries 87
Mean 0.02088
Std Dev 1.031

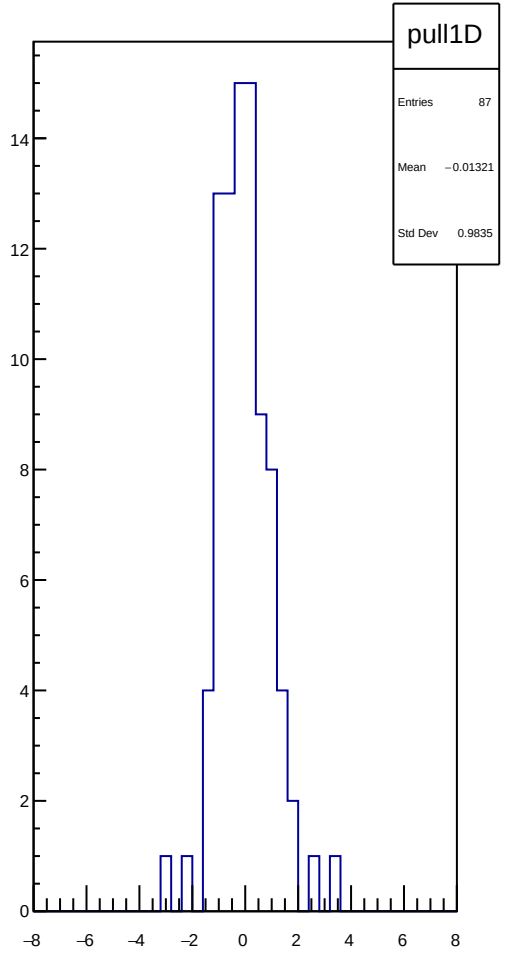

asym_sam5_rms vs run
χ² / ndf 5861 / 86
p0 877 ± 0.6829
1000
950
900
850
800
750

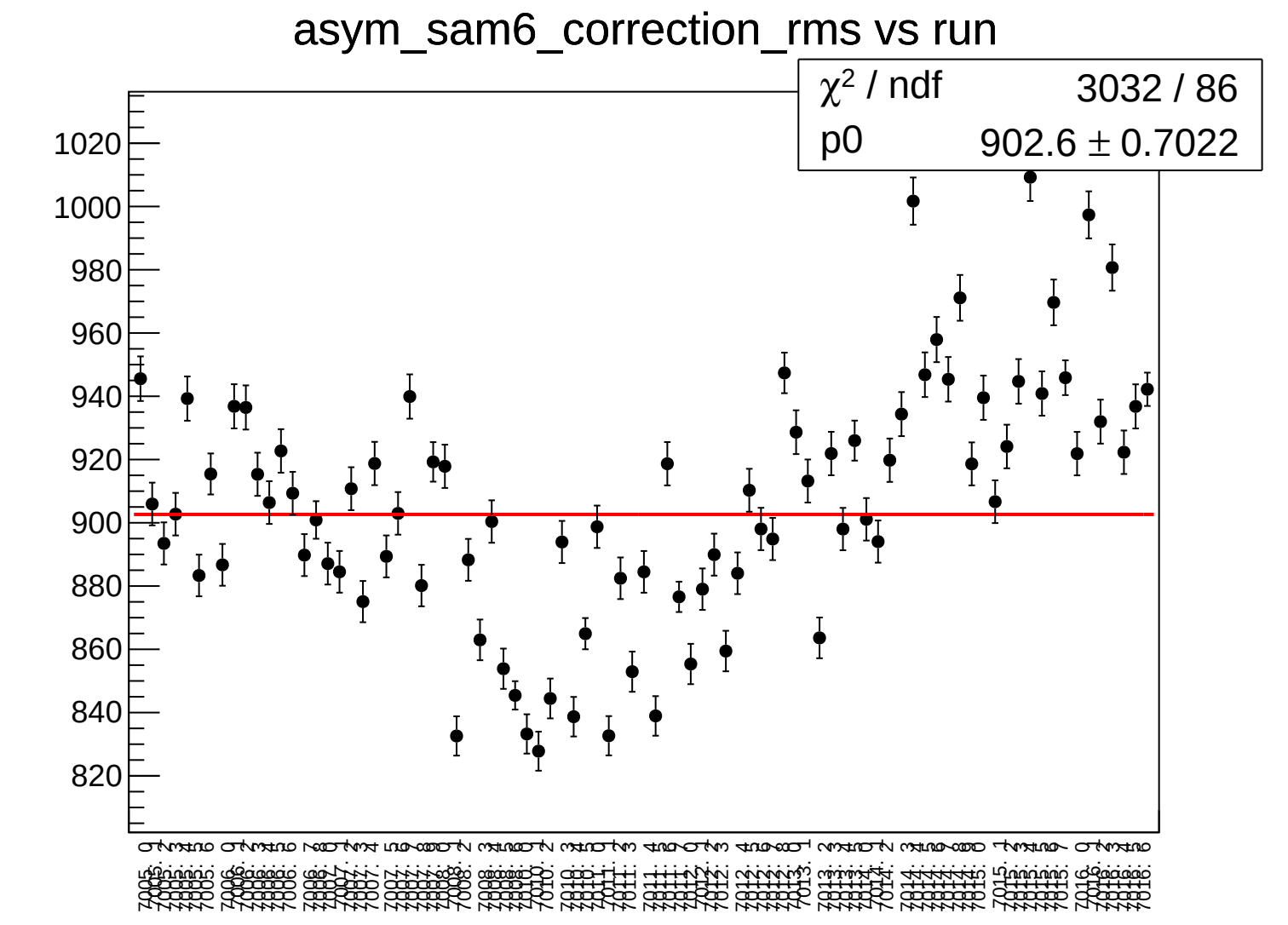

dit_asym_sam6_mean vs run
χ^2 / ndf 75.54 / 86
p0 428.2 ± 179.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 376.9
Std Dev 333.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

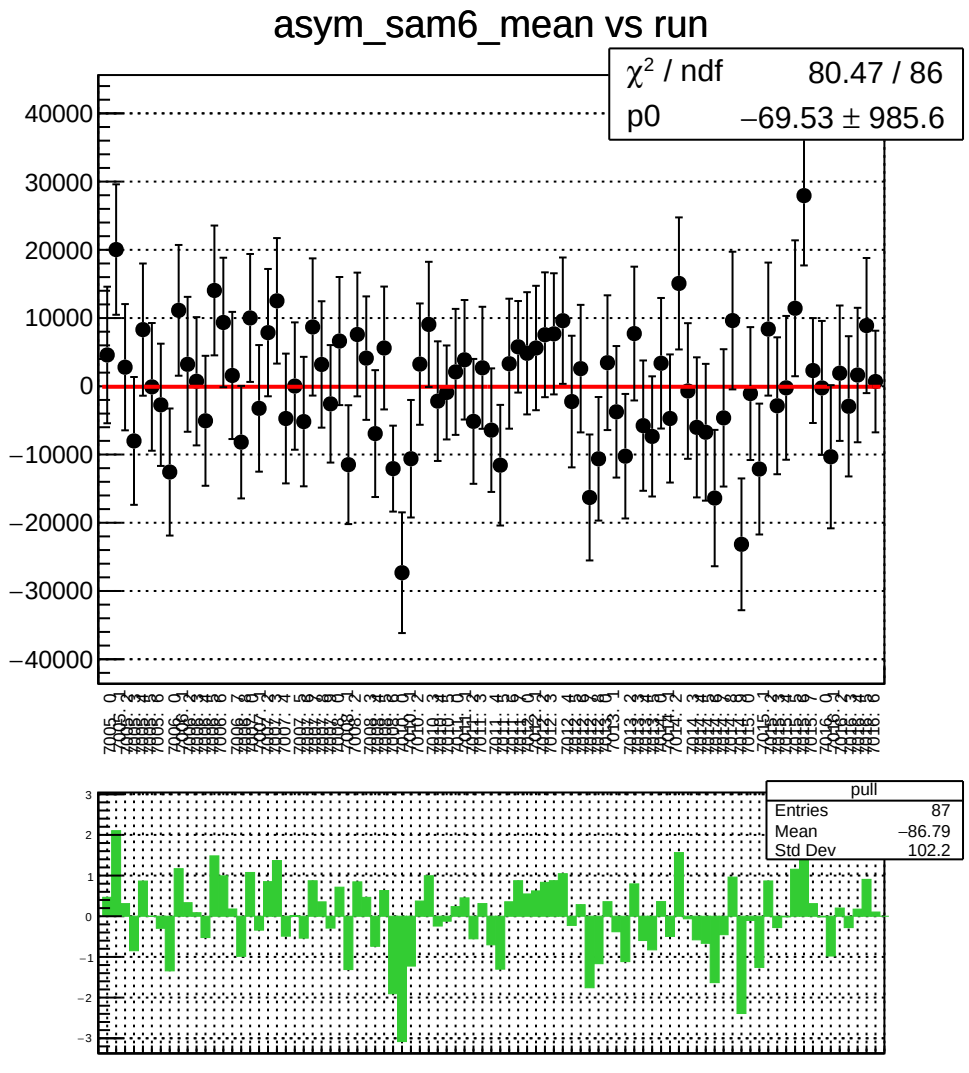

pull1D
Entries 87
Mean 0.01261
Std Dev 0.9317
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

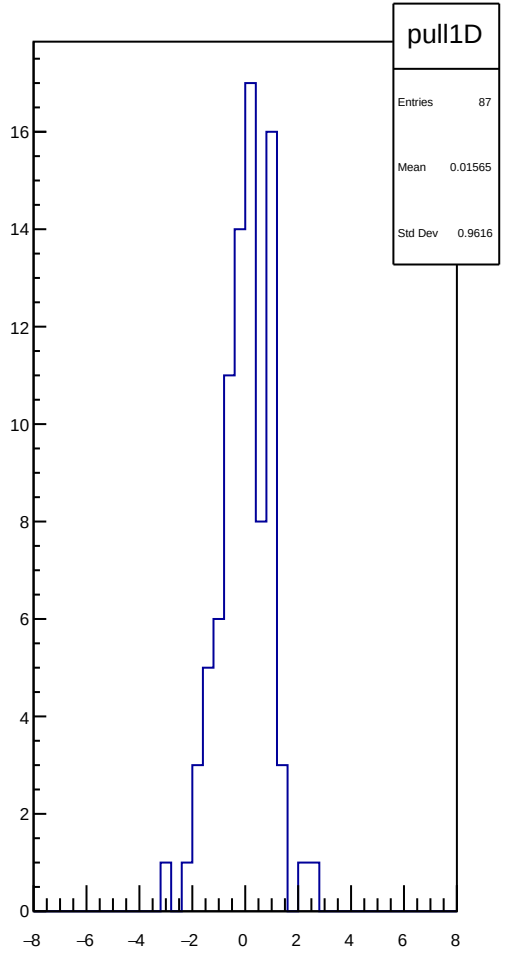

dit_asym_sam6_rms vs run
χ² / ndf 1309 / 86
p0 163.2 ± 0.1269
175
170
165
160
155

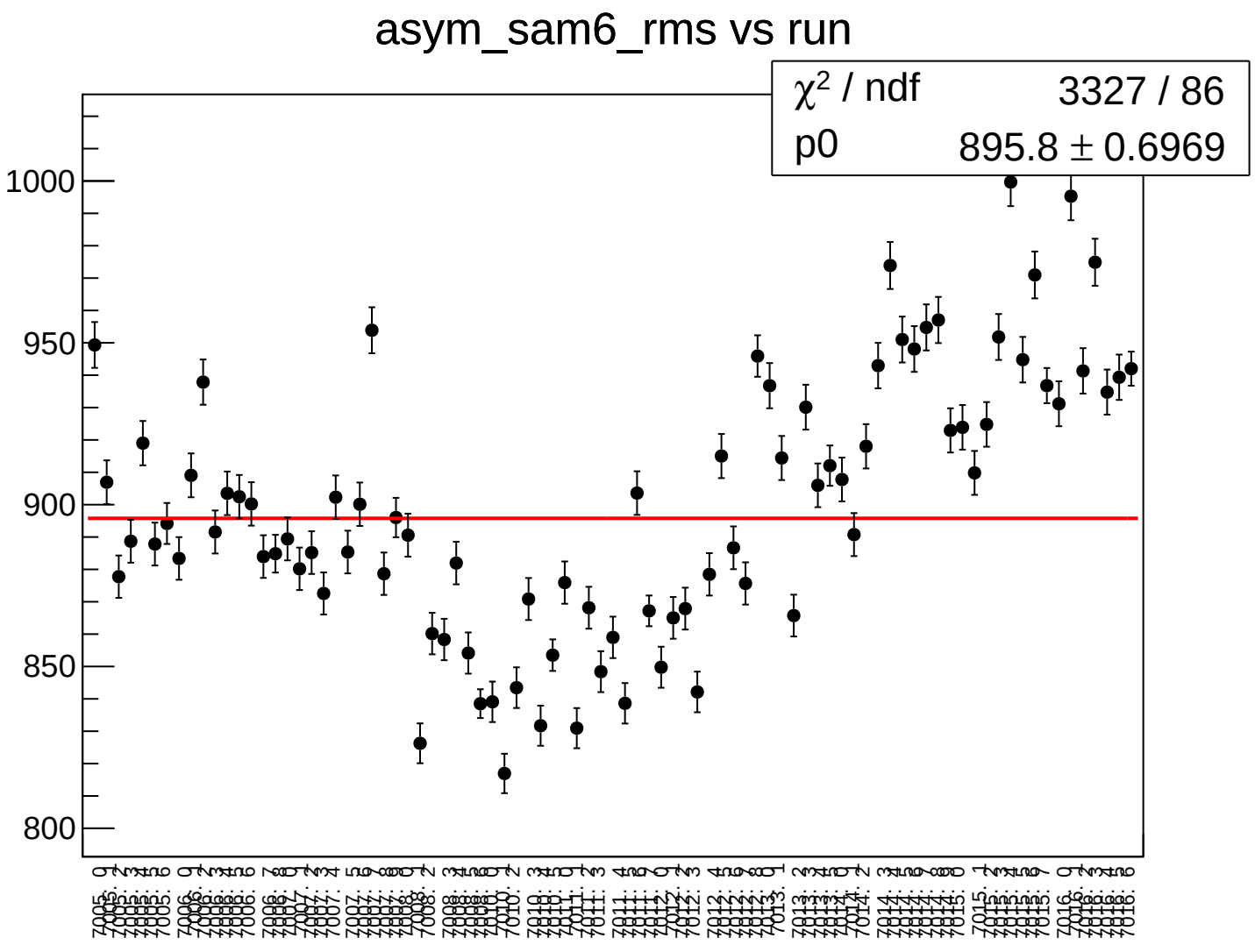

asym_sam6_correction_mean vs run
χ² / ndf 84.17 / 86
p0 497.4 ± 993.1
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −164.8
Std Dev 188.8
3
2
1
0
−1
−2
−3

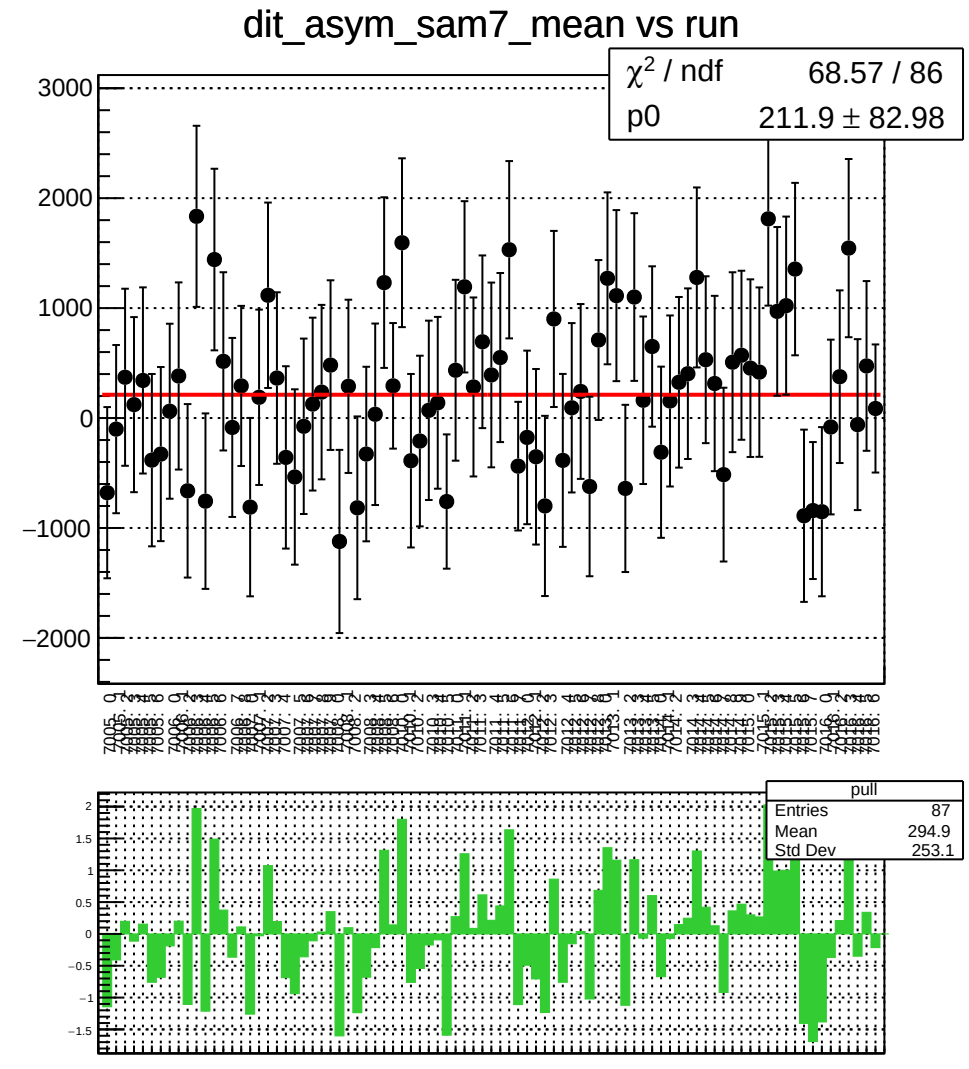

pull1D
Entries 87
Mean −0.01321
Std Dev 0.9835
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

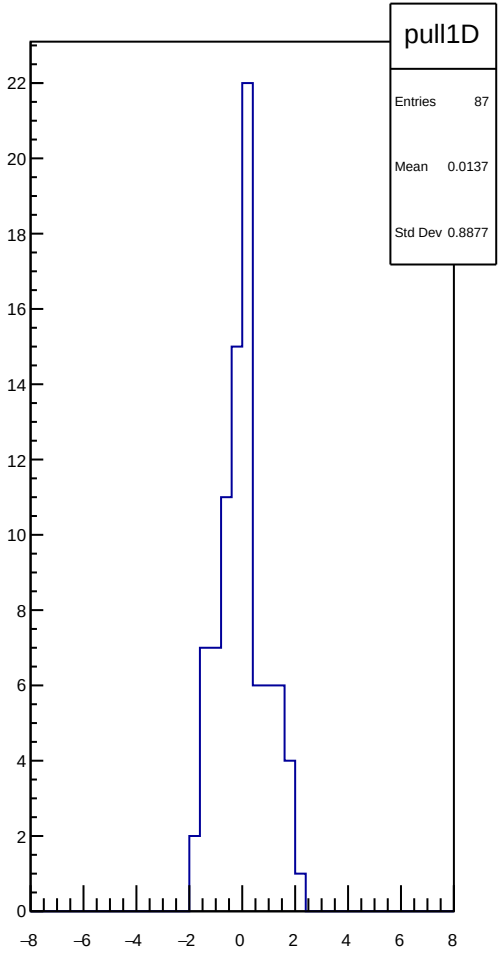

asym_sam6_correction_rms vs run
χ² / ndf 3032 / 86
p0 902.6 ± 0.7022
1020
1000
980
960
940
920
900
880
860
840
820

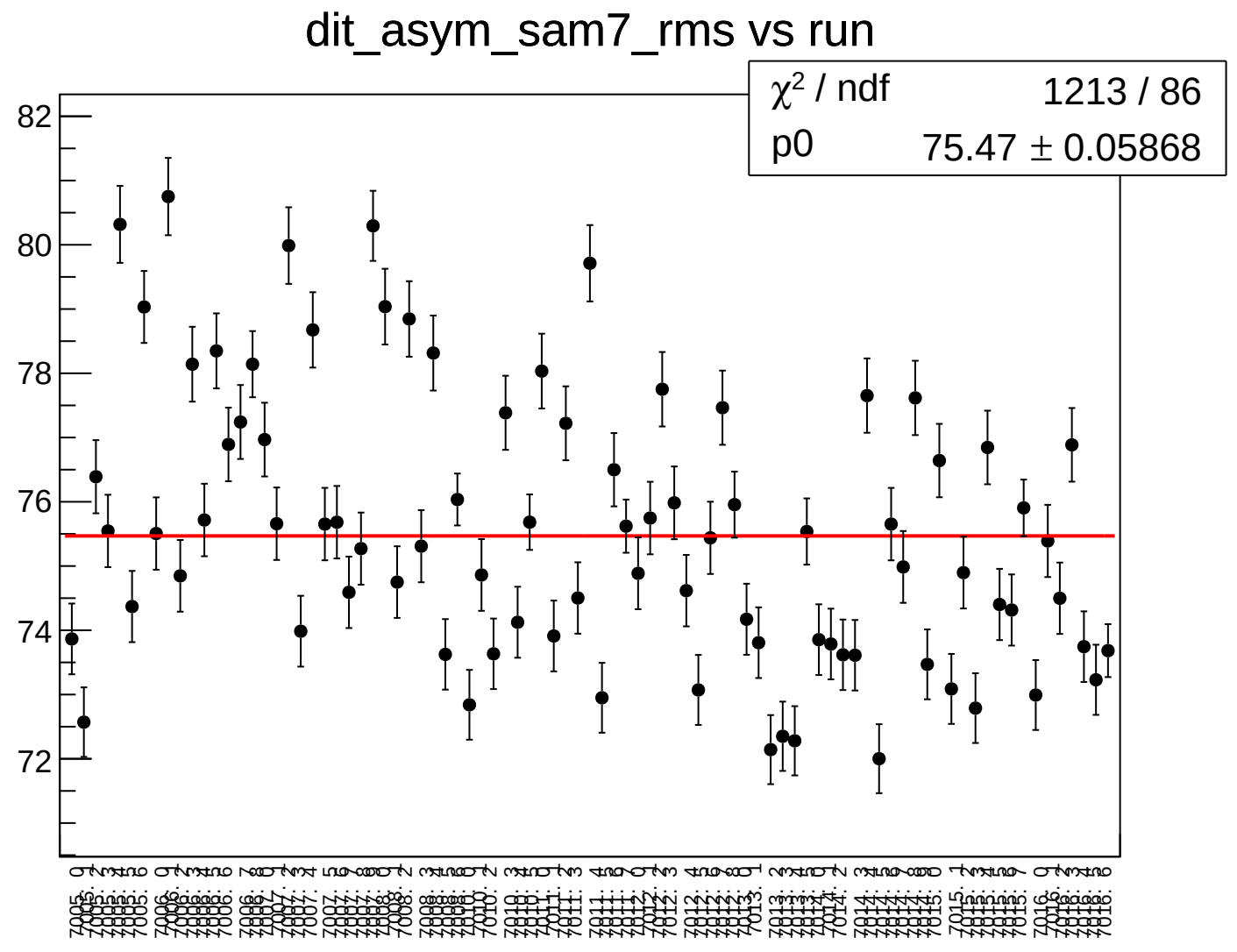

asym_sam6_mean vs run
χ² / ndf 80.47 / 86
p0 −69.53 ± 985.6
pull
Entries 87
Mean −86.79
Std Dev 102.2

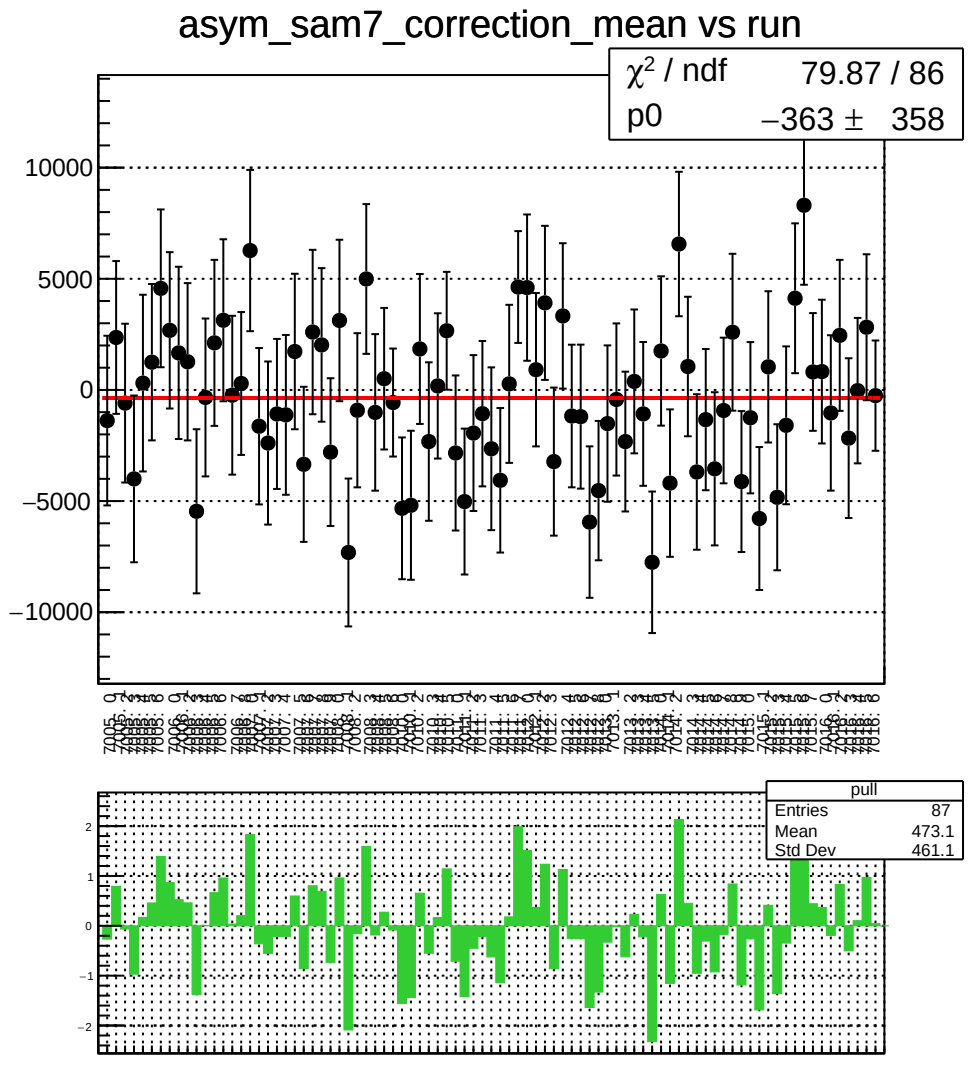

pull1D
Entries 87
Mean 0.01565
Std Dev 0.9616

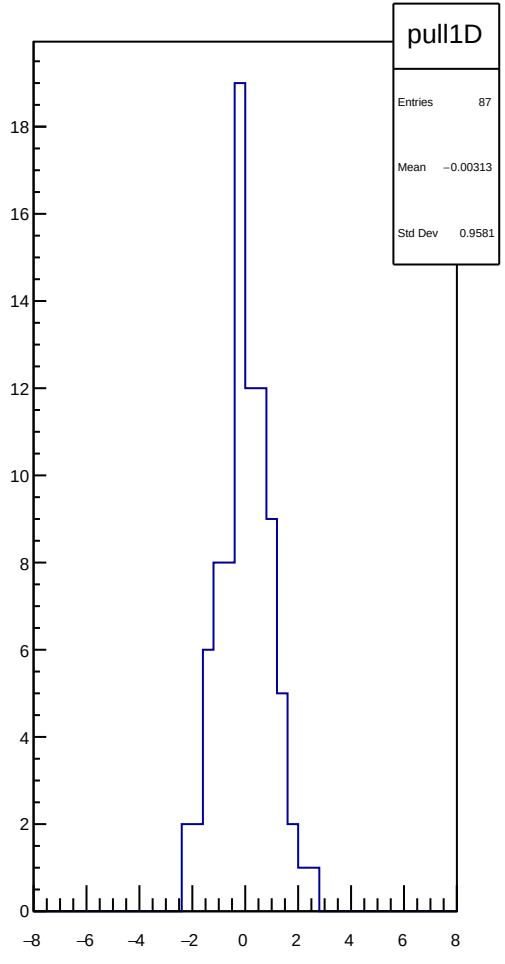

asym_sam6_rms vs run
χ² / ndf 3327 / 86
p0 895.8 ± 0.6969
1000
950
900
850
800

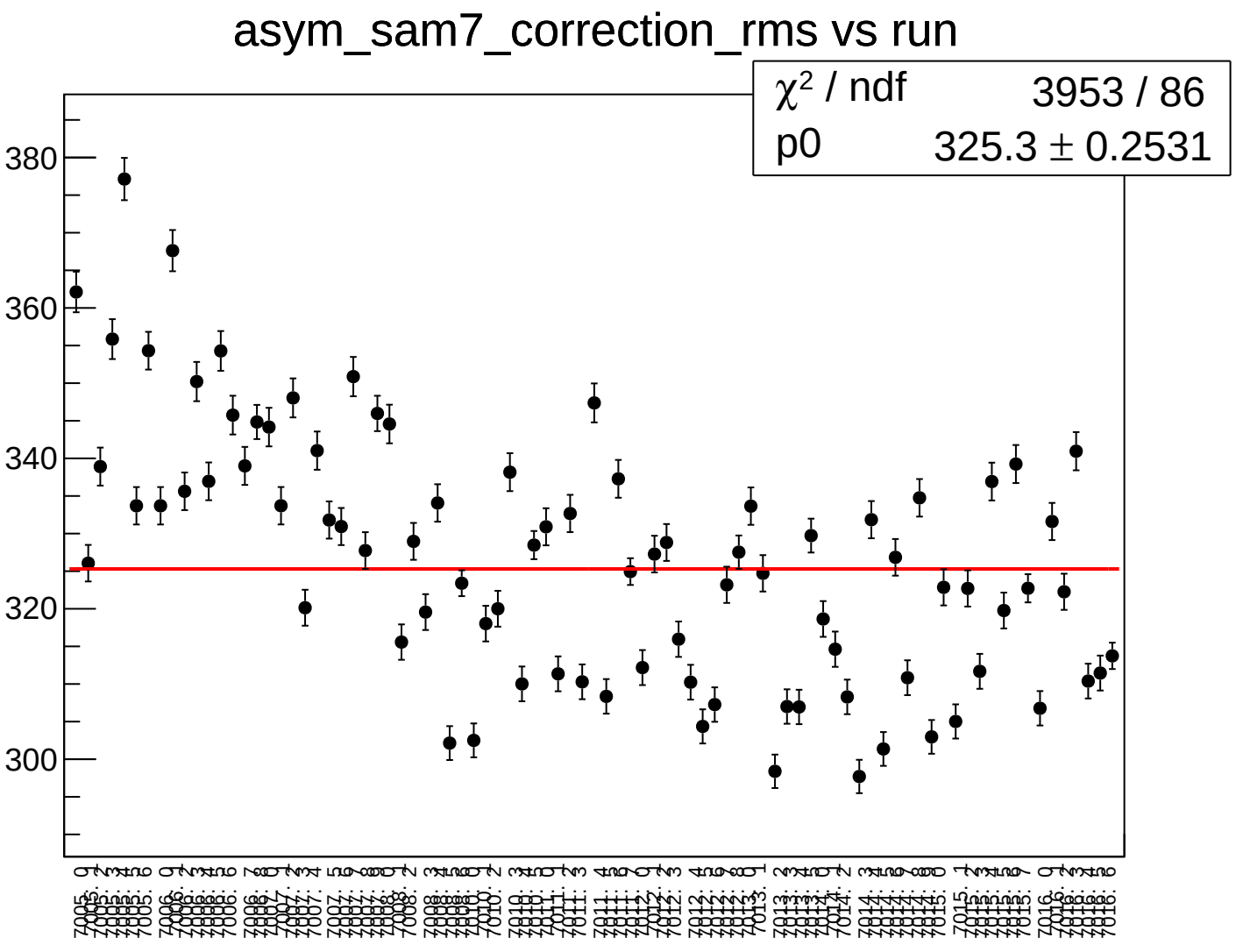

dit_asym_sam7_mean vs run
χ^2 / ndf 68.57 / 86
p0 211.9 ± 82.98
3000
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 294.9
Std Dev 253.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

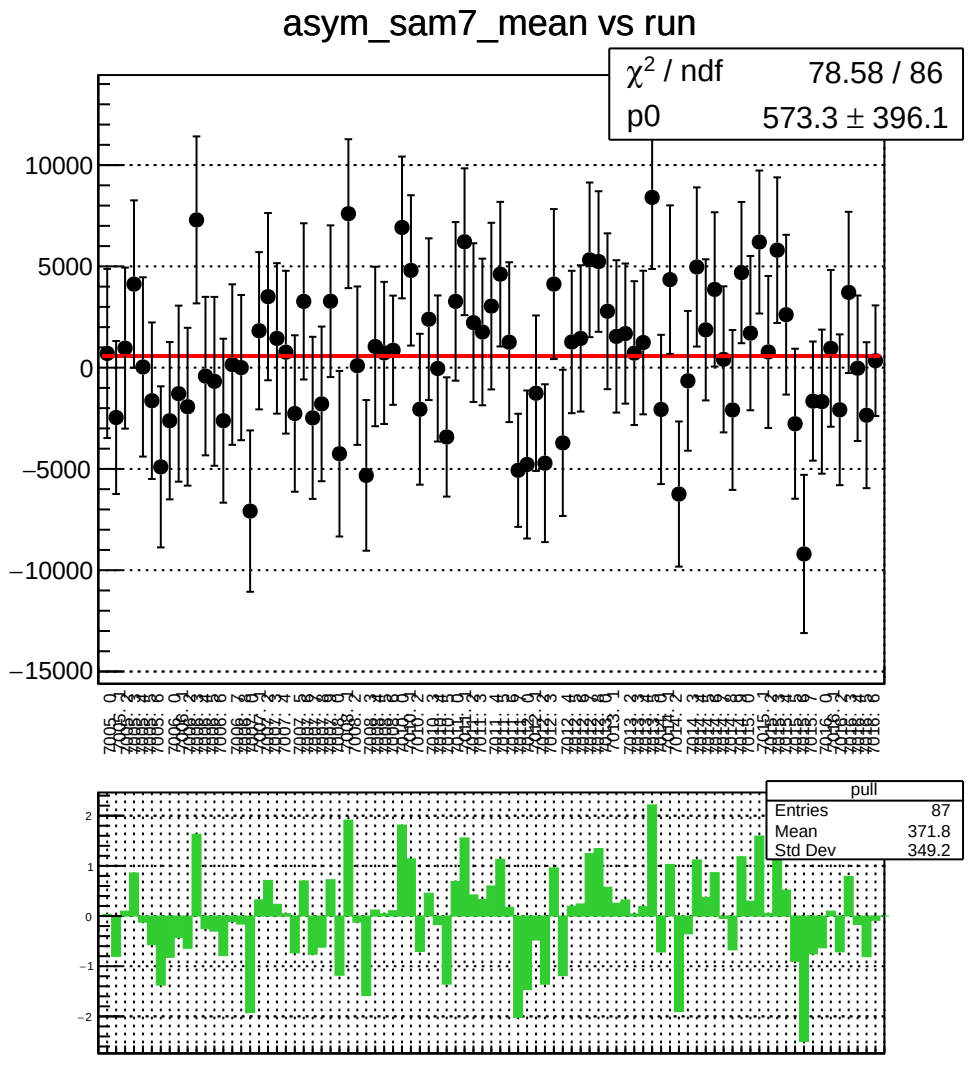

pull1D
Entries 87
Mean 0.0137
Std Dev 0.8877
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

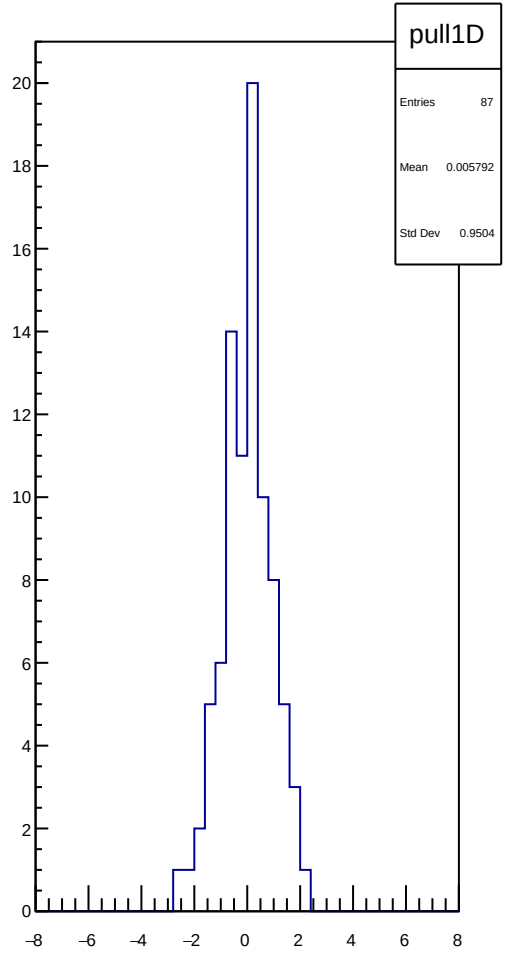

dit_asym_sam7_rms vs run
χ^2 / ndf 1213 / 86
p0 75.47 ± 0.05868
82
80
78
76
74
72

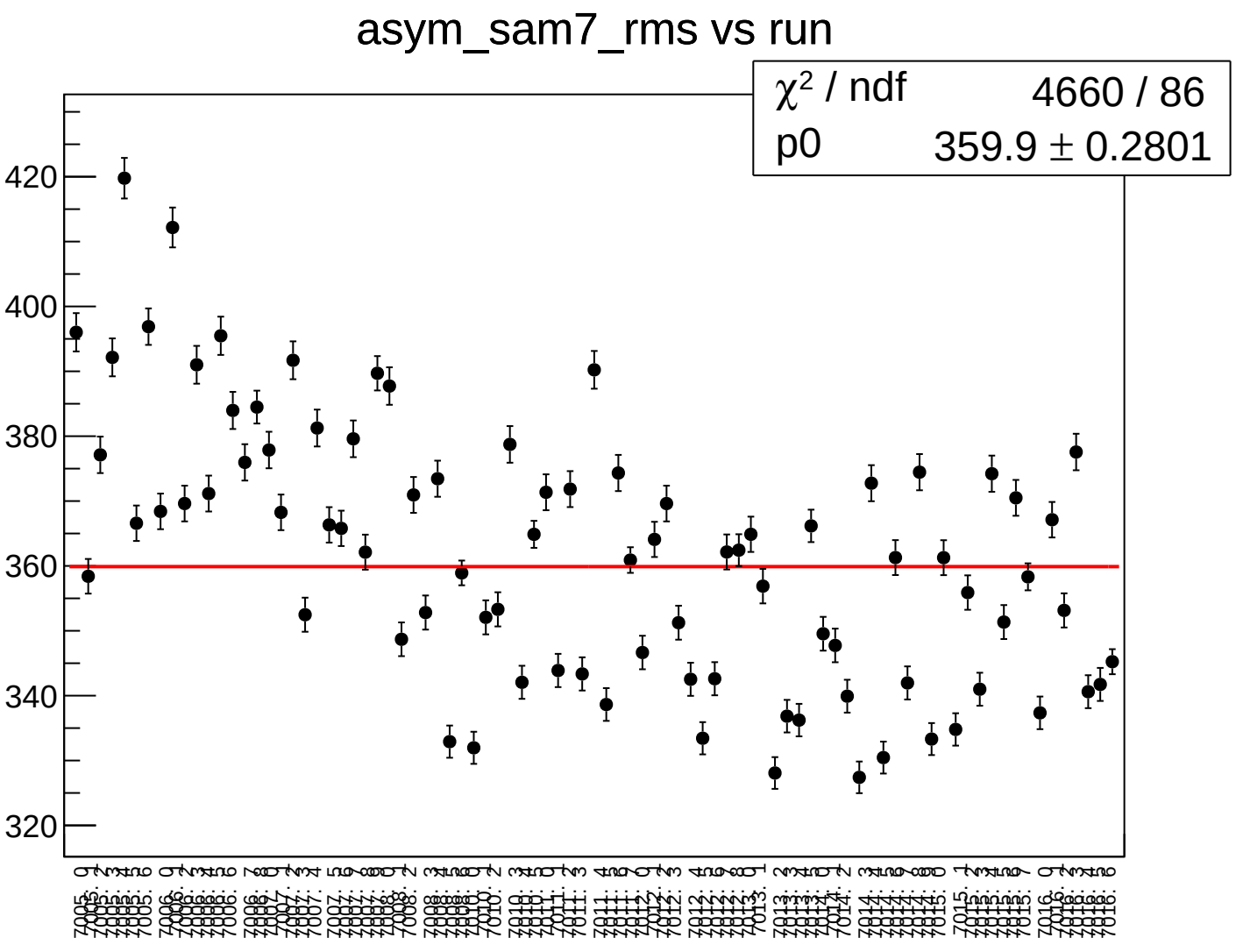

asym_sam7_correction_mean vs run
χ² / ndf 79.87 / 86
p0 −363 ± 358
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 473.1
Std Dev 461.1
2
1
0
−1
−2

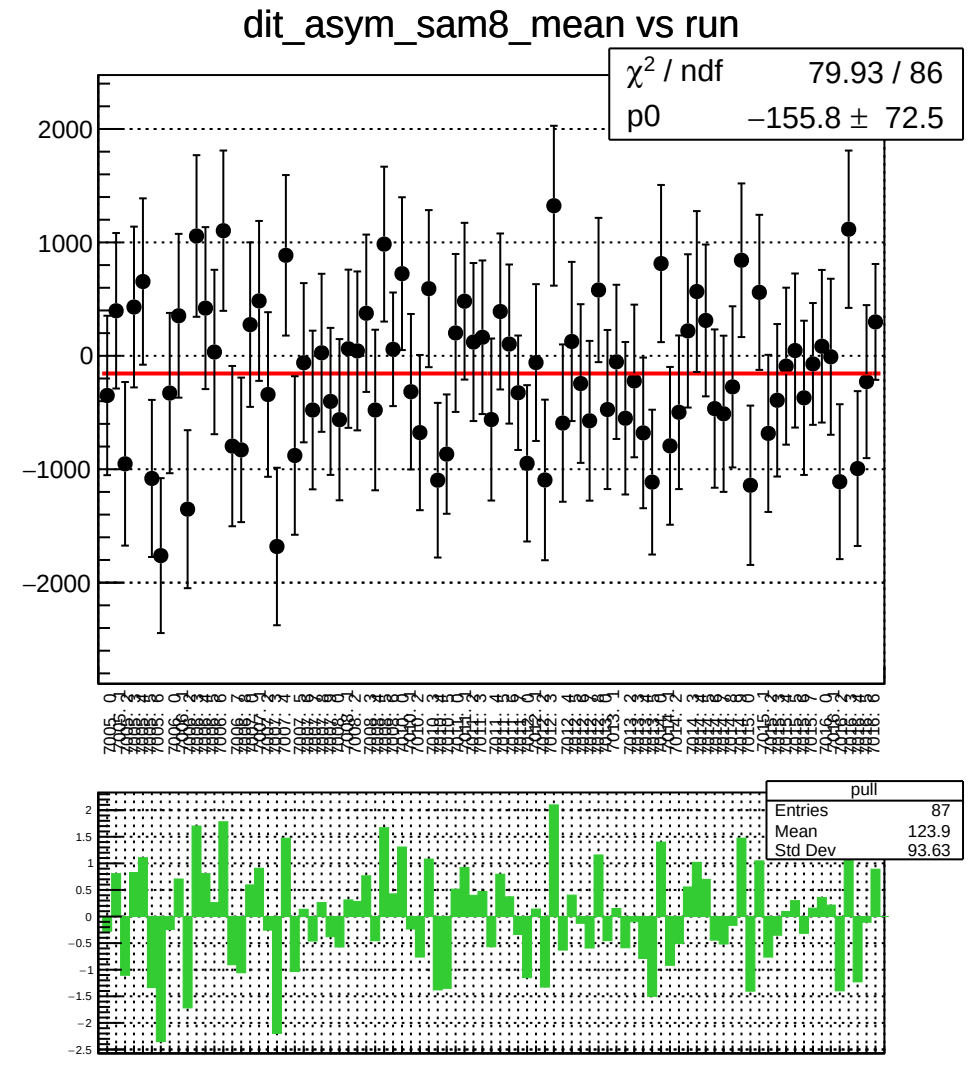

pull1D
Entries 87
Mean −0.00313
Std Dev 0.9581
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

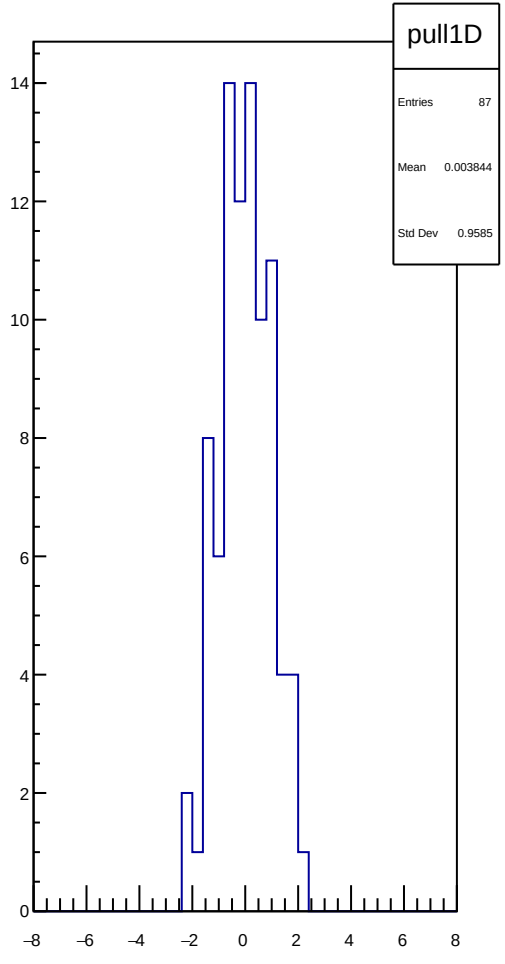

asym_sam7_correction_rms vs run
χ² / ndf 3953 / 86
p0 325.3 ± 0.2531
380
360
340
320
300

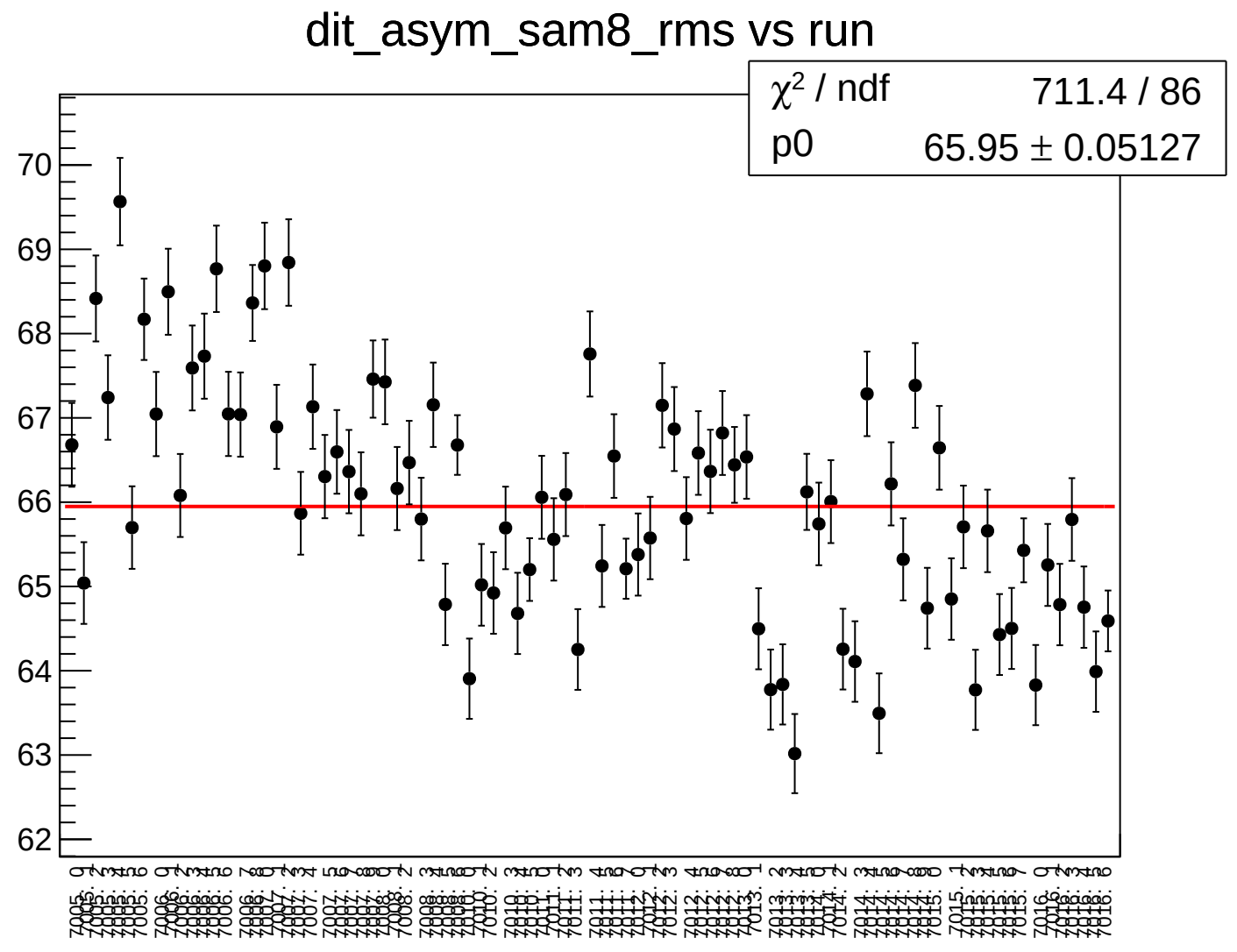

asym_sam7_mean vs run
χ² / ndf 78.58 / 86
p0 573.3 ± 396.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 371.8
Std Dev 349.2
2
1
0
−1
−2

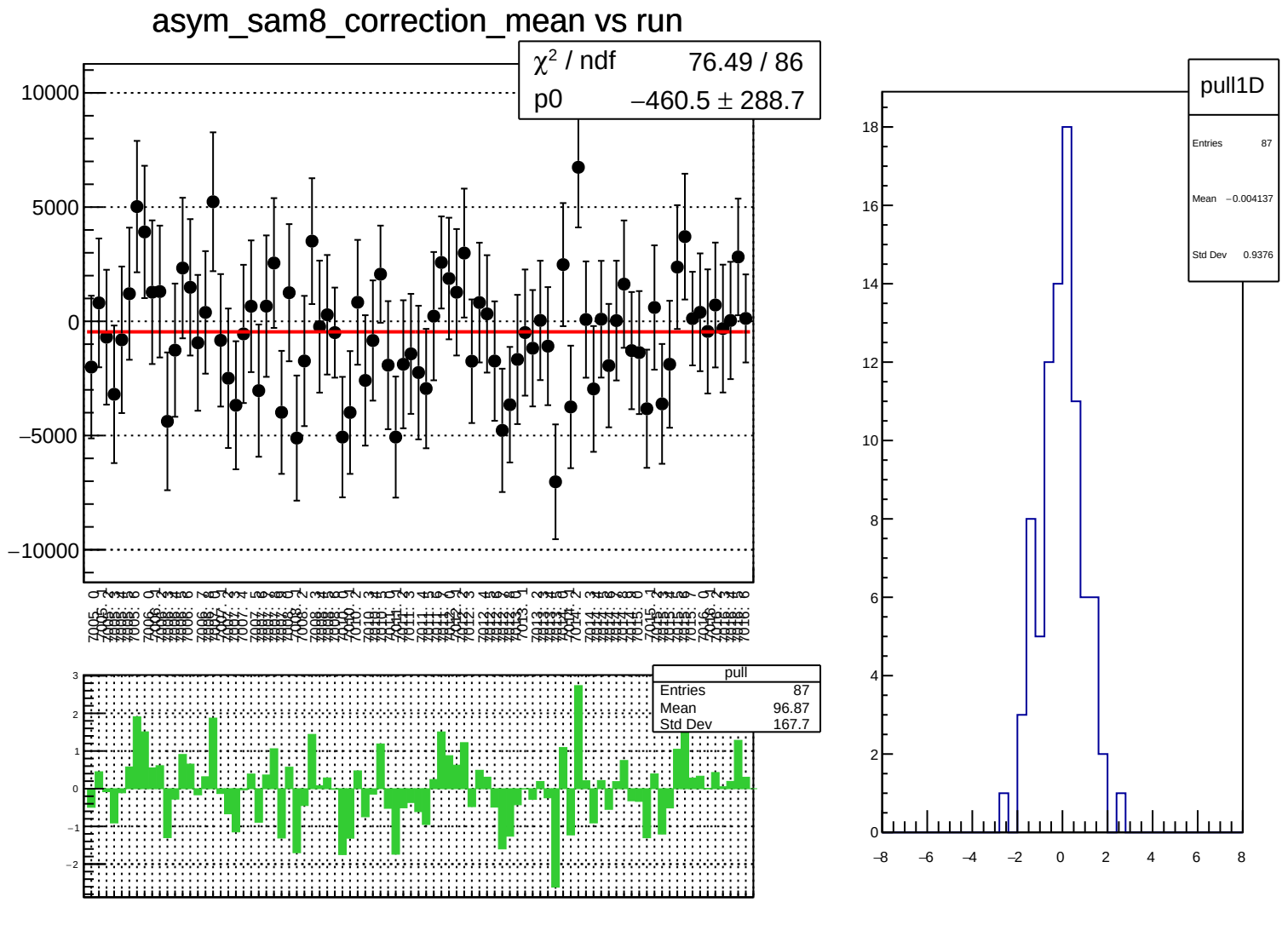

pull1D
Entries 87
Mean 0.005792
Std Dev 0.9504
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

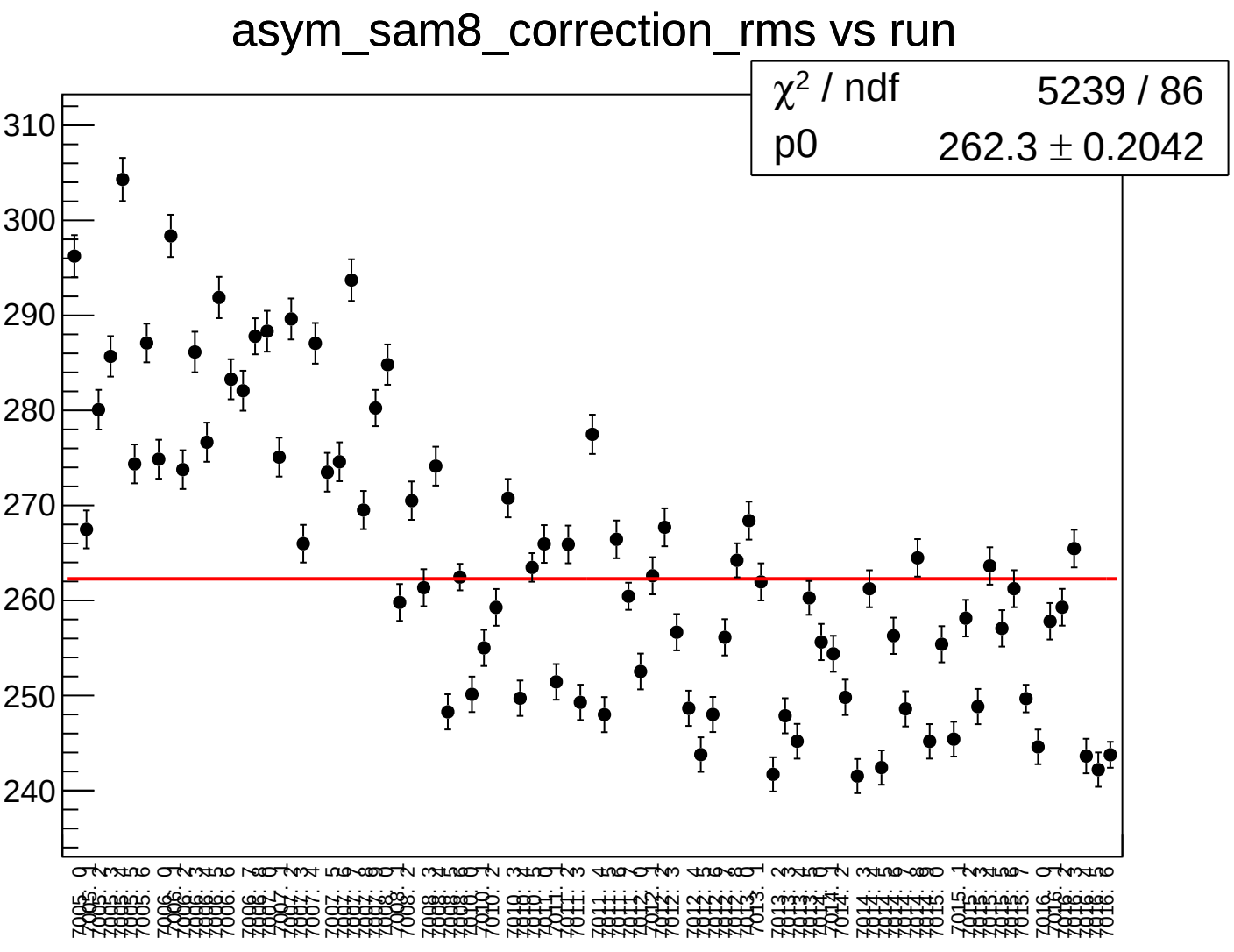

asym_sam7_rms vs run
χ² / ndf 4660 / 86
p0 359.9 ± 0.2801
420
400
380
360
340
320

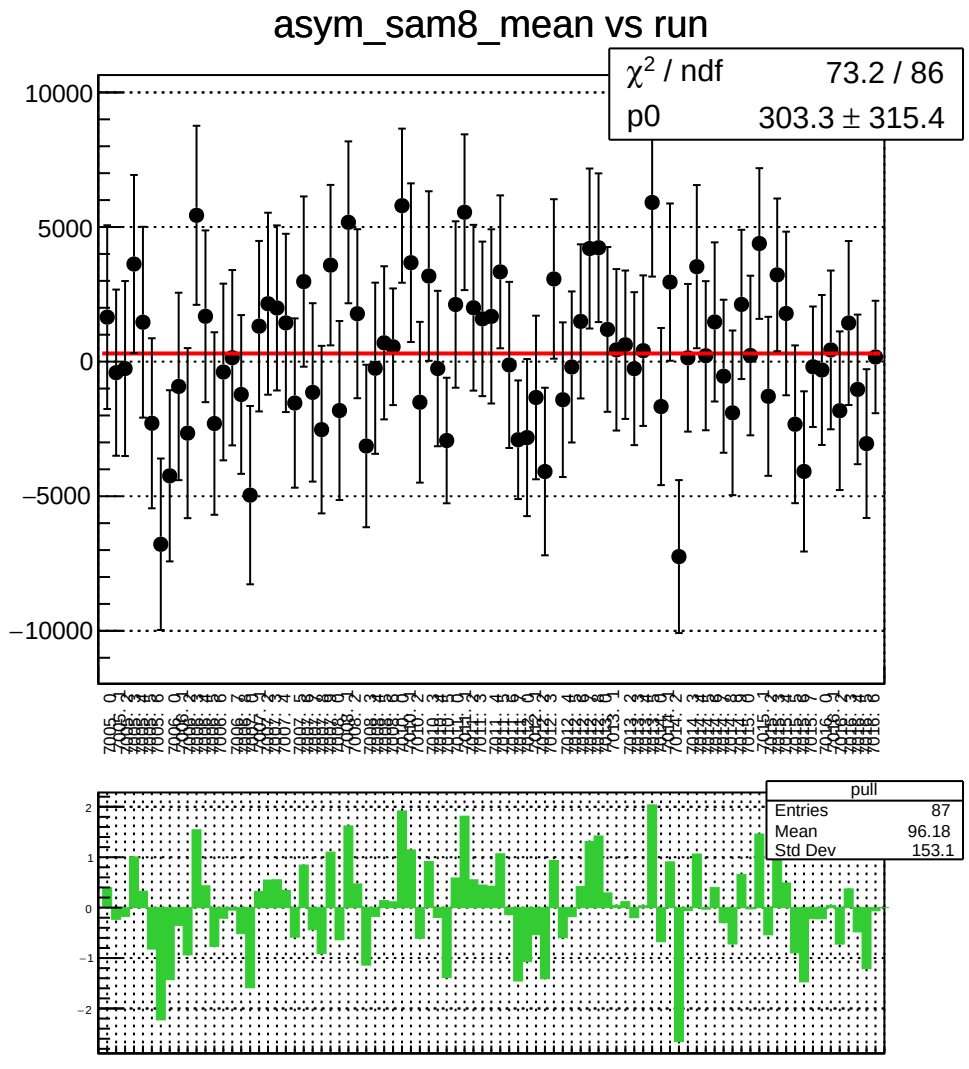

dit_asym_sam8_mean vs run
χ² / ndf 79.93 / 86
p0 −155.8 ± 72.5
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 123.9
Std Dev 93.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

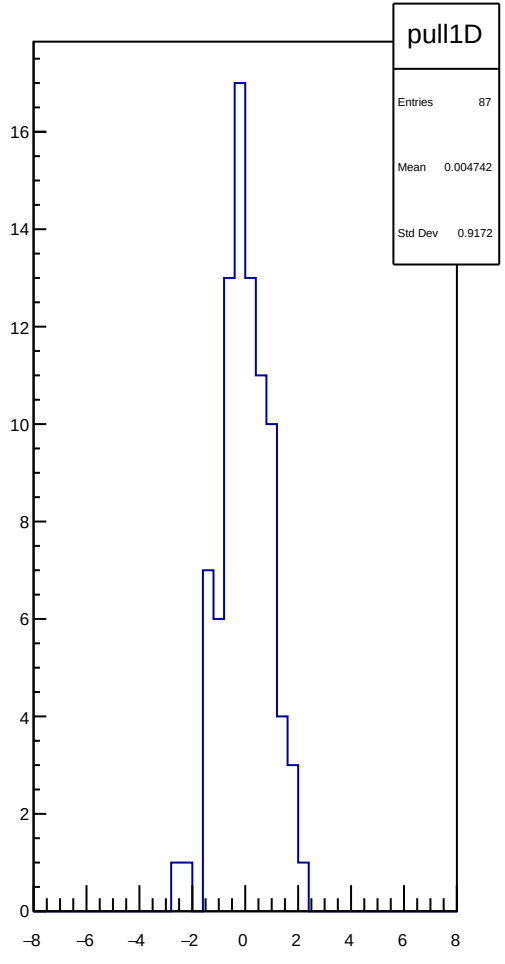

pull1D
Entries 87
Mean 0.003844
Std Dev 0.9585
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

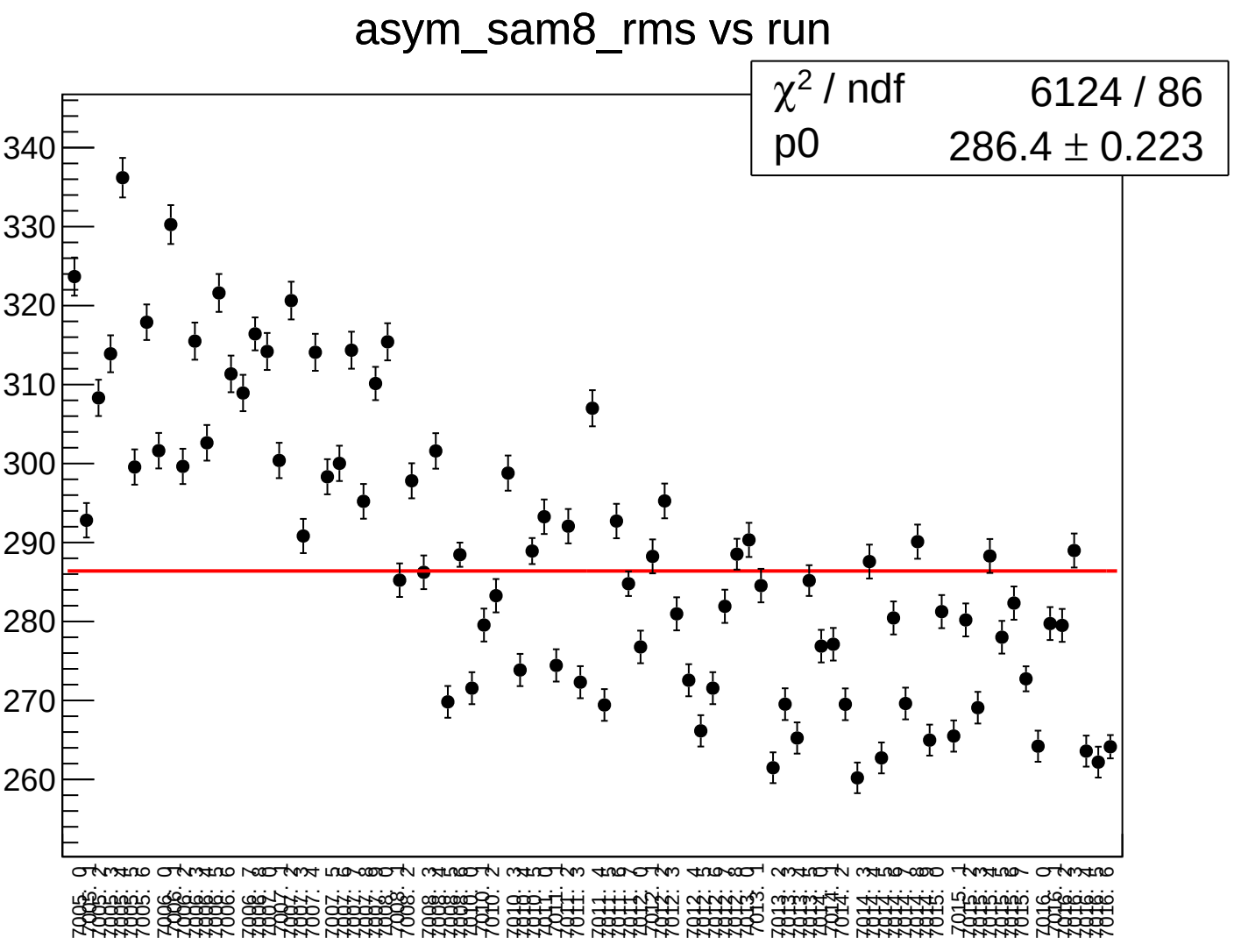

dit_asym_sam8_rms vs run
χ² / ndf 711.4 / 86
p0 65.95 ± 0.05127
70
69
68
67
66
65
64
63
62

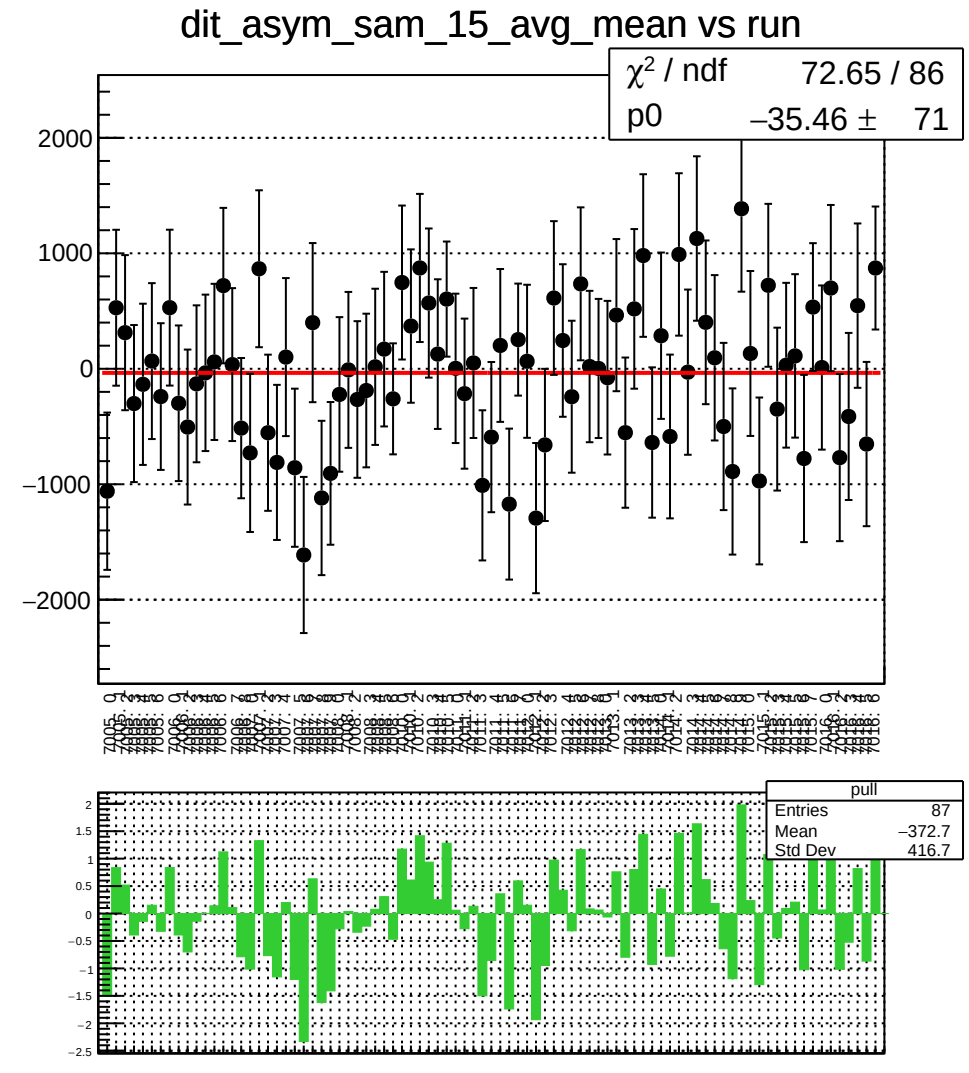

asym_sam8_correction_mean vs run
χ² / ndf 76.49 / 86
p0 −460.5 ± 288.7
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 96.87
Std Dev 167.7
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.004137
Std Dev 0.9376
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

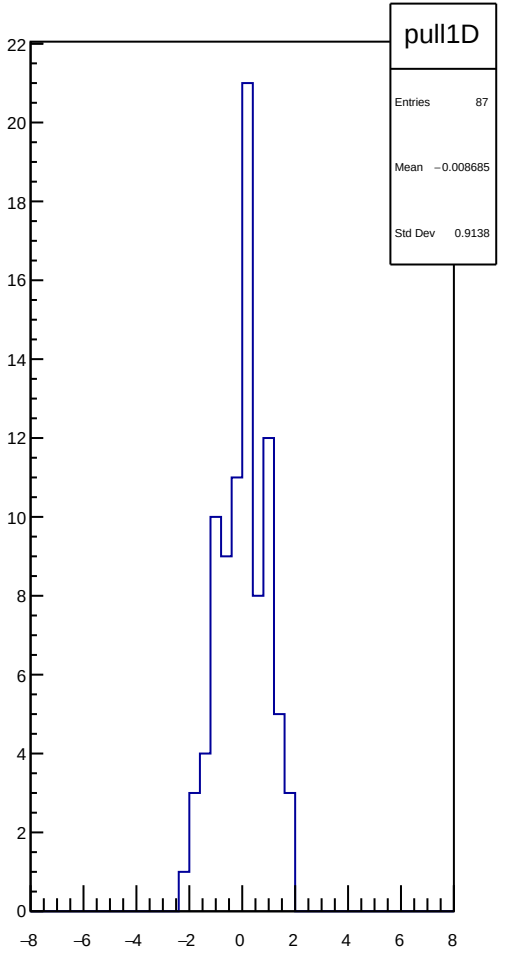

asym_sam8_correction_rms vs run
χ² / ndf 5239 / 86
p0 262.3 ± 0.2042
310
300
290
280
270
260
250
240

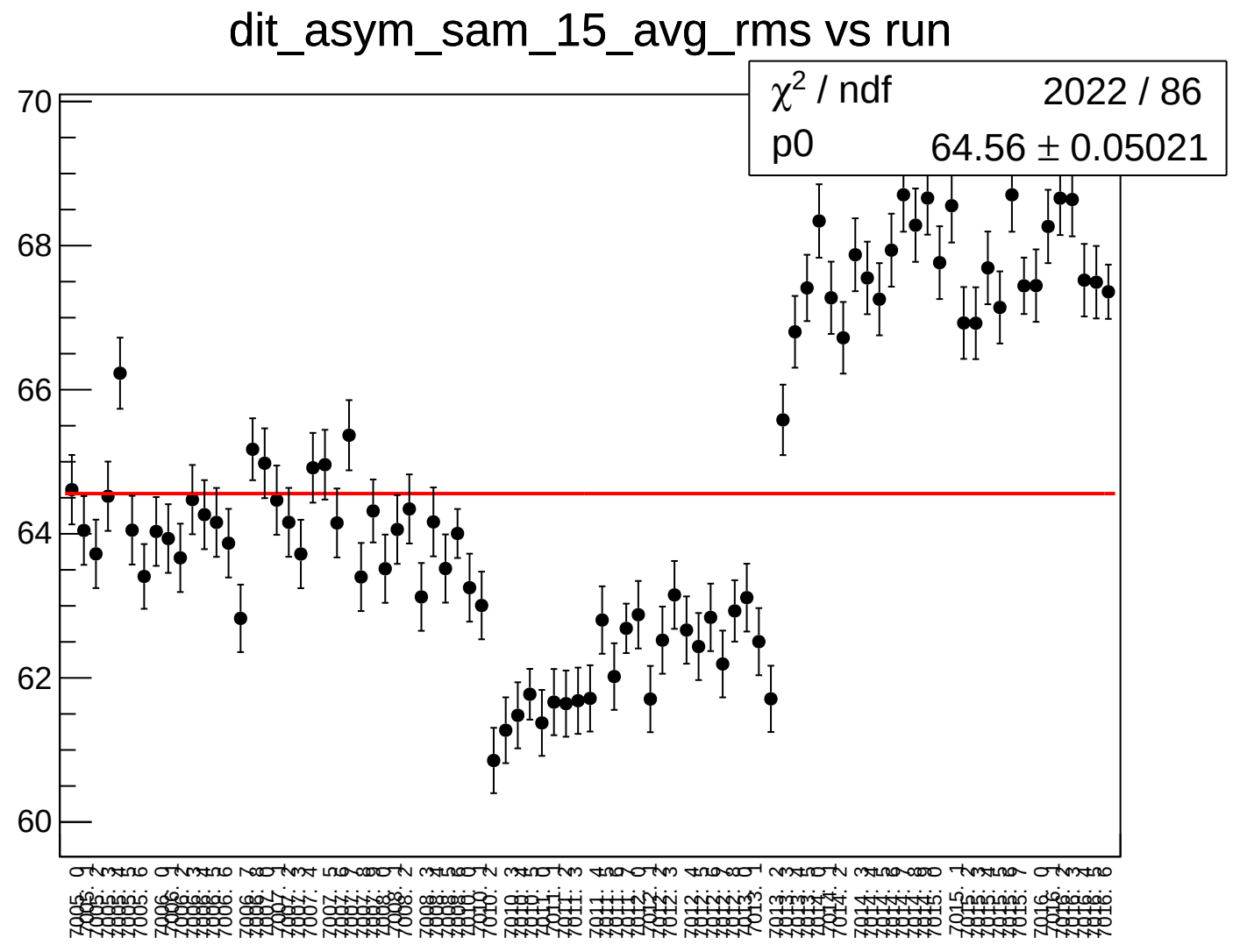

asym_sam8_mean vs run
χ^2 / ndf 73.2 / 86
p0 303.3 ± 315.4
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 96.18
Std Dev 153.1
2
1
0
−1
−2

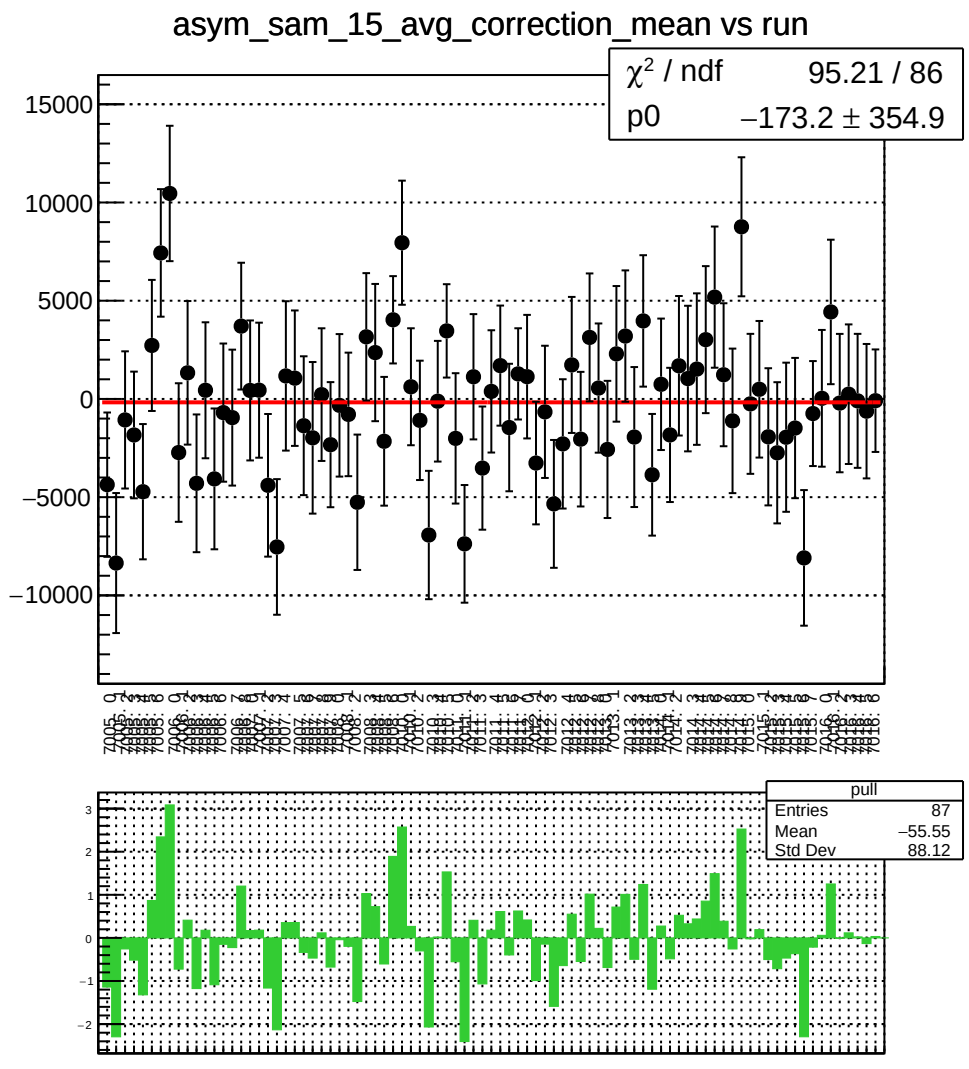

pull1D
Entries 87
Mean 0.004742
Std Dev 0.9172
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

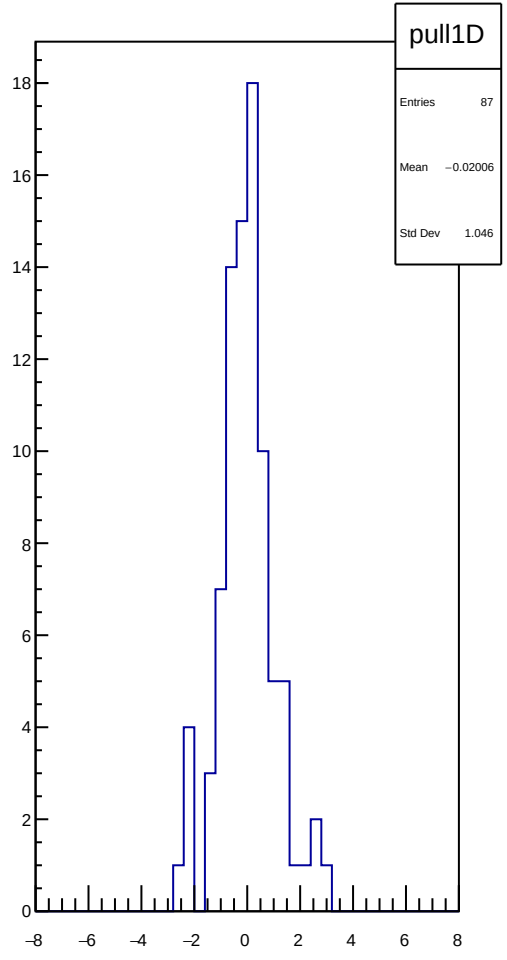

asym_sam8_rms vs run
χ^2 / ndf 6124 / 86
p0 286.4 ± 0.223
340
330
320
310
300
290
280
270
260

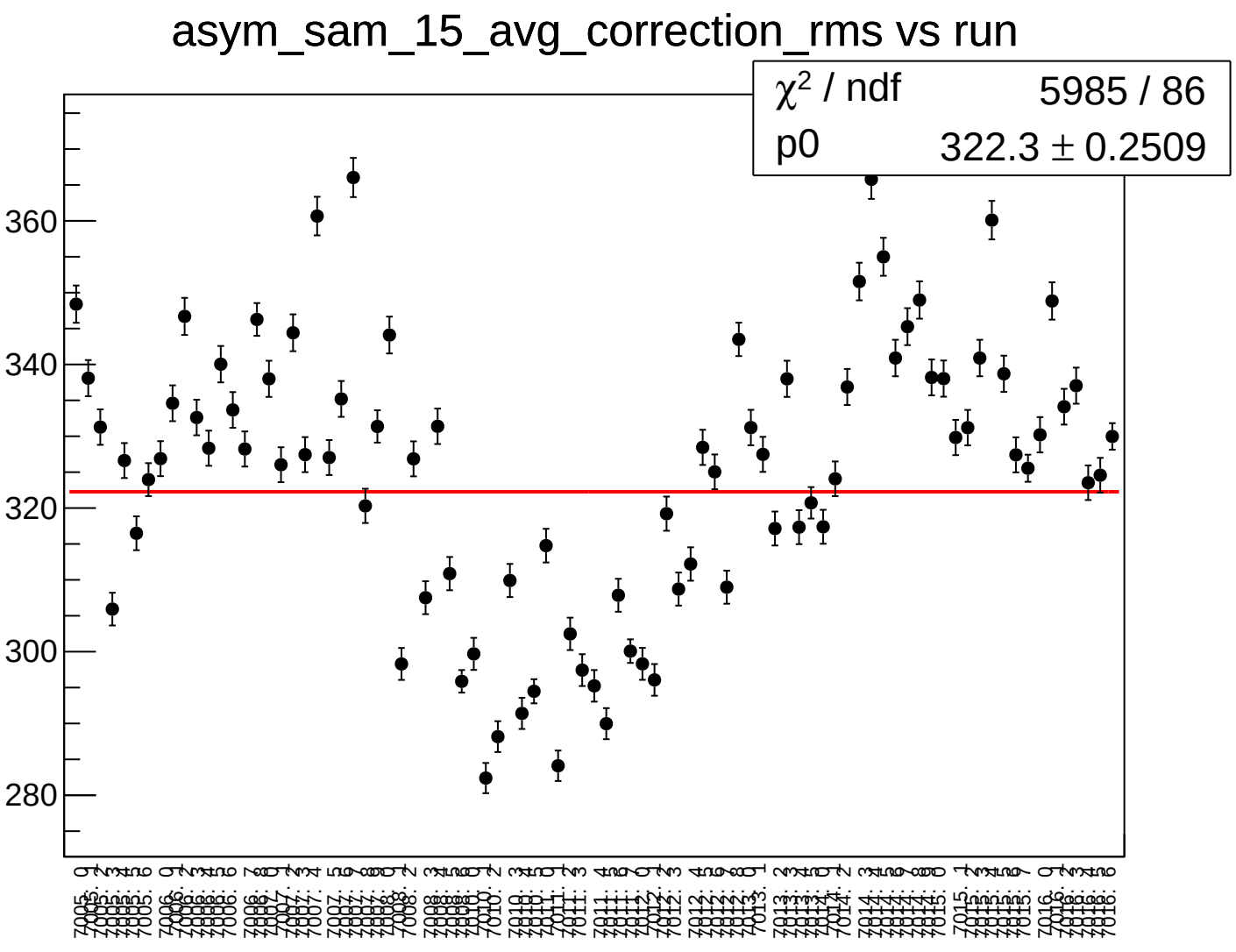

dit_asym_sam_15_avg_mean vs run
χ² / ndf 72.65 / 86
p0 −35.46 ± 71
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −372.7
Std Dev 416.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

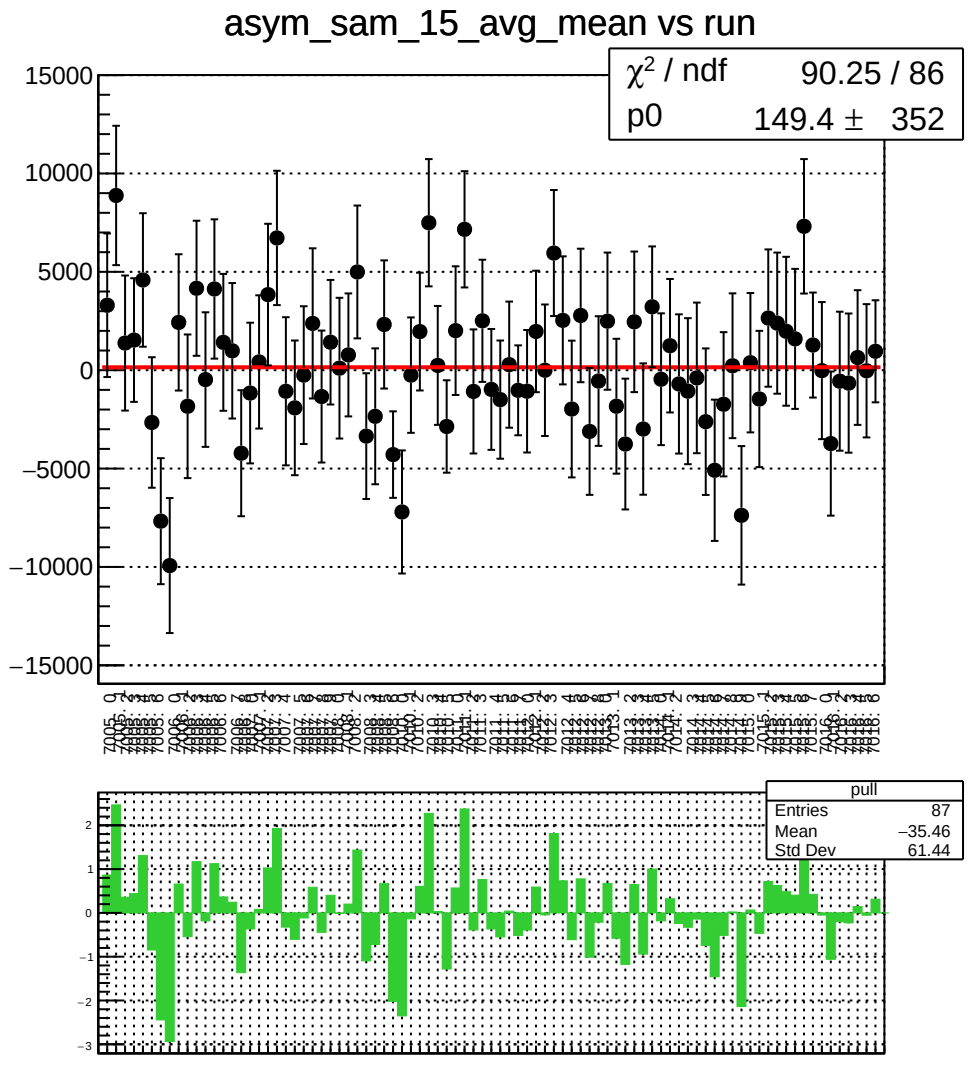

pull1D
Entries 87
Mean −0.008685
Std Dev 0.9138
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

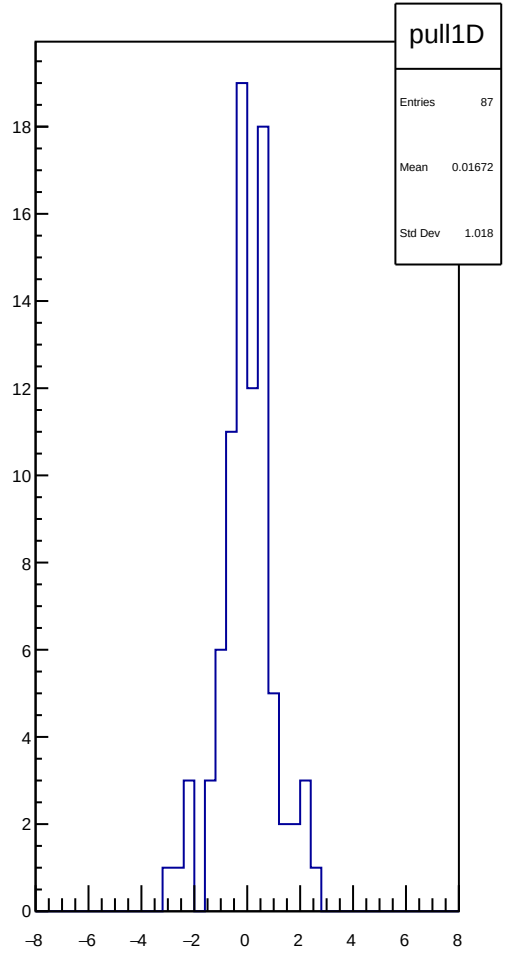

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2022 / 86
p0 64.56 ± 0.05021
70
68
66
64
62
60

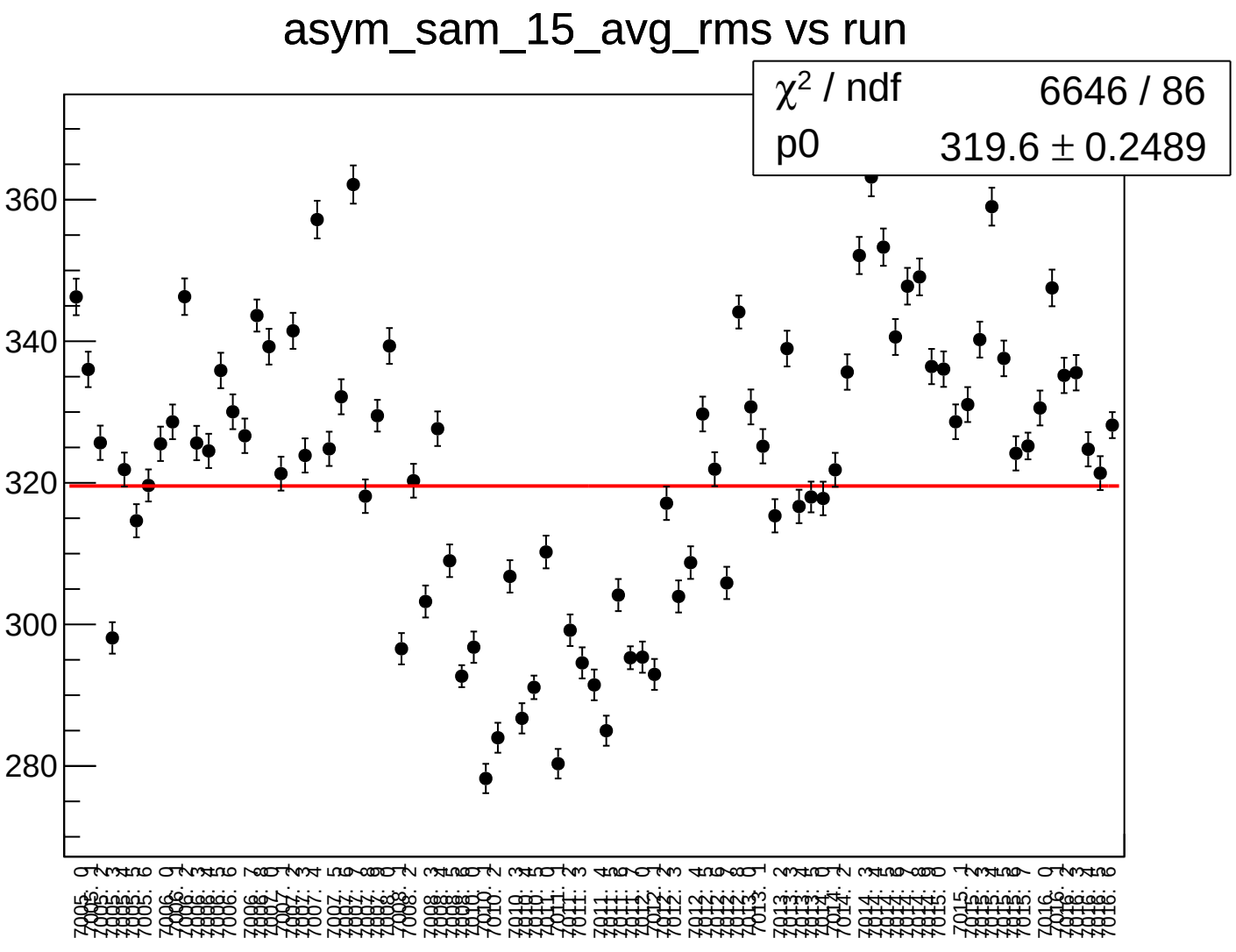

asym_sam_15_avg_correction_mean vs run
χ² / ndf 95.21 / 86
p0 −173.2 ± 354.9
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −55.55
Std Dev 88.12
3
2
1
0
−1
−2

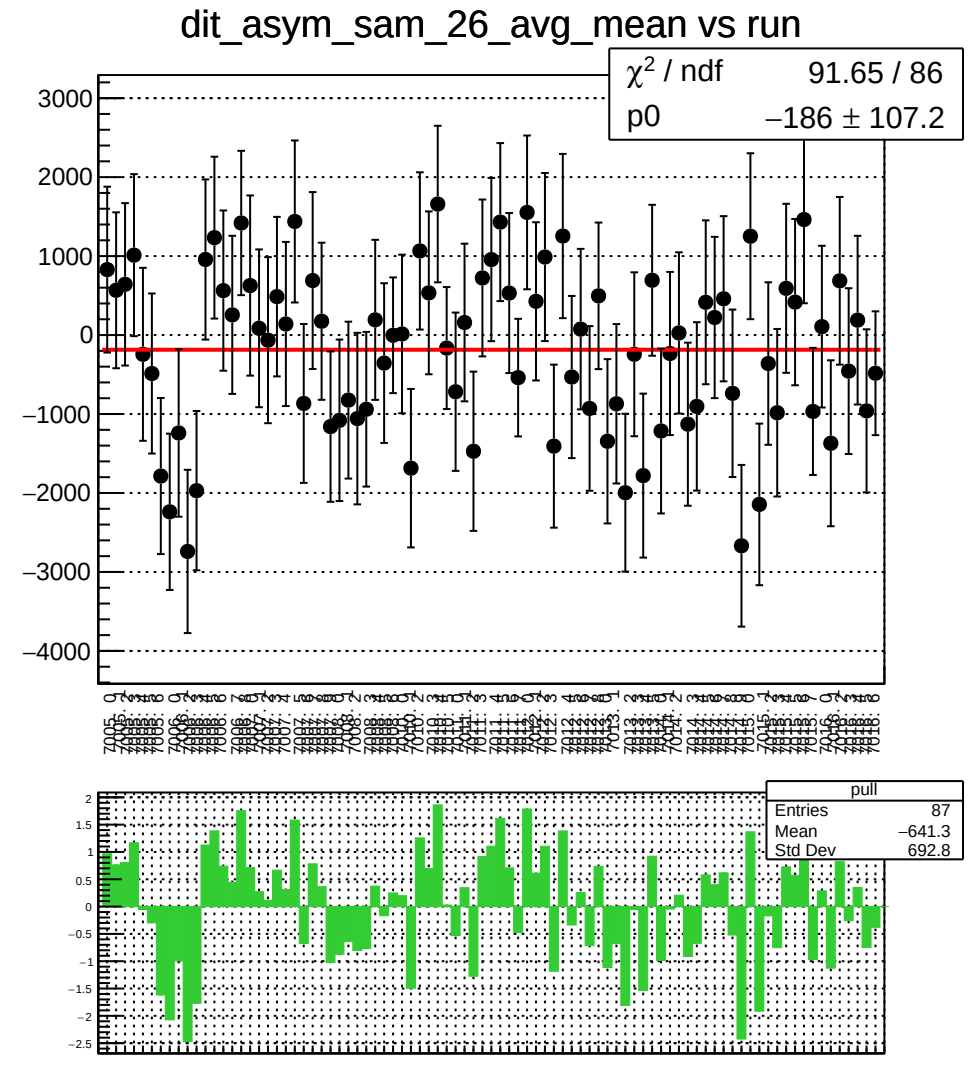

pull1D
Entries 87
Mean −0.02006
Std Dev 1.046
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

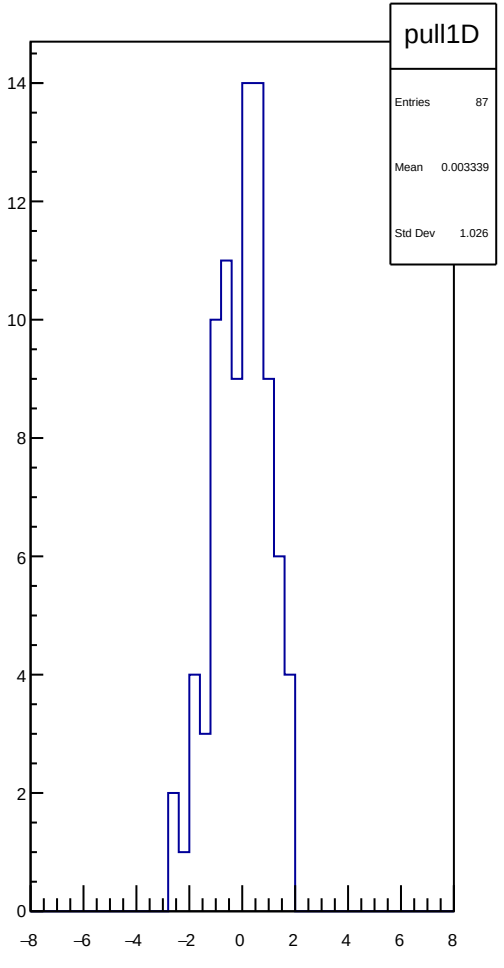

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5985 / 86
p0 322.3 ± 0.2509
360
340
320
300
280

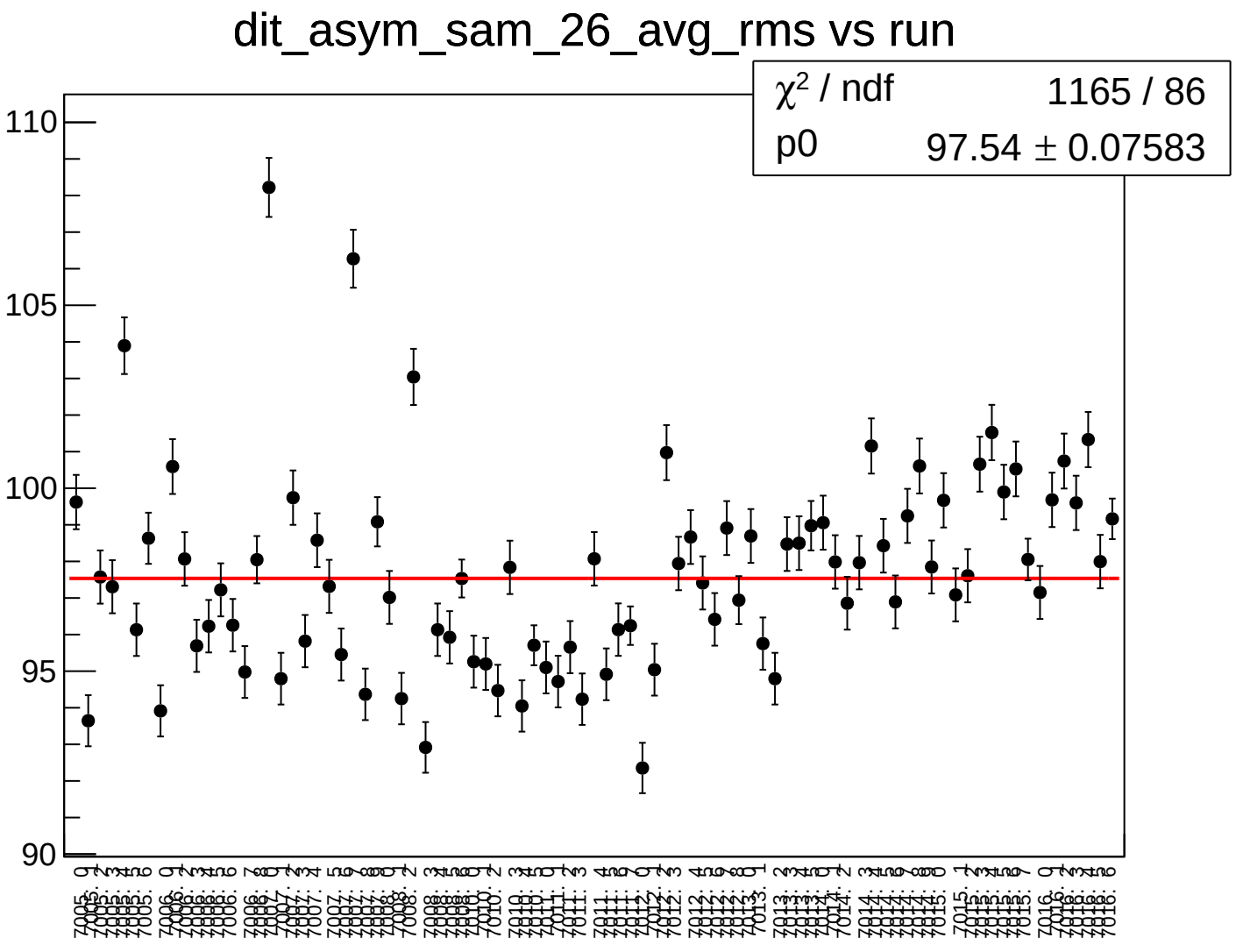

asym_sam_15_avg_mean vs run
χ² / ndf 90.25 / 86
p0 149.4 ± 352
pull
Entries 87
Mean −35.46
Std Dev 61.44

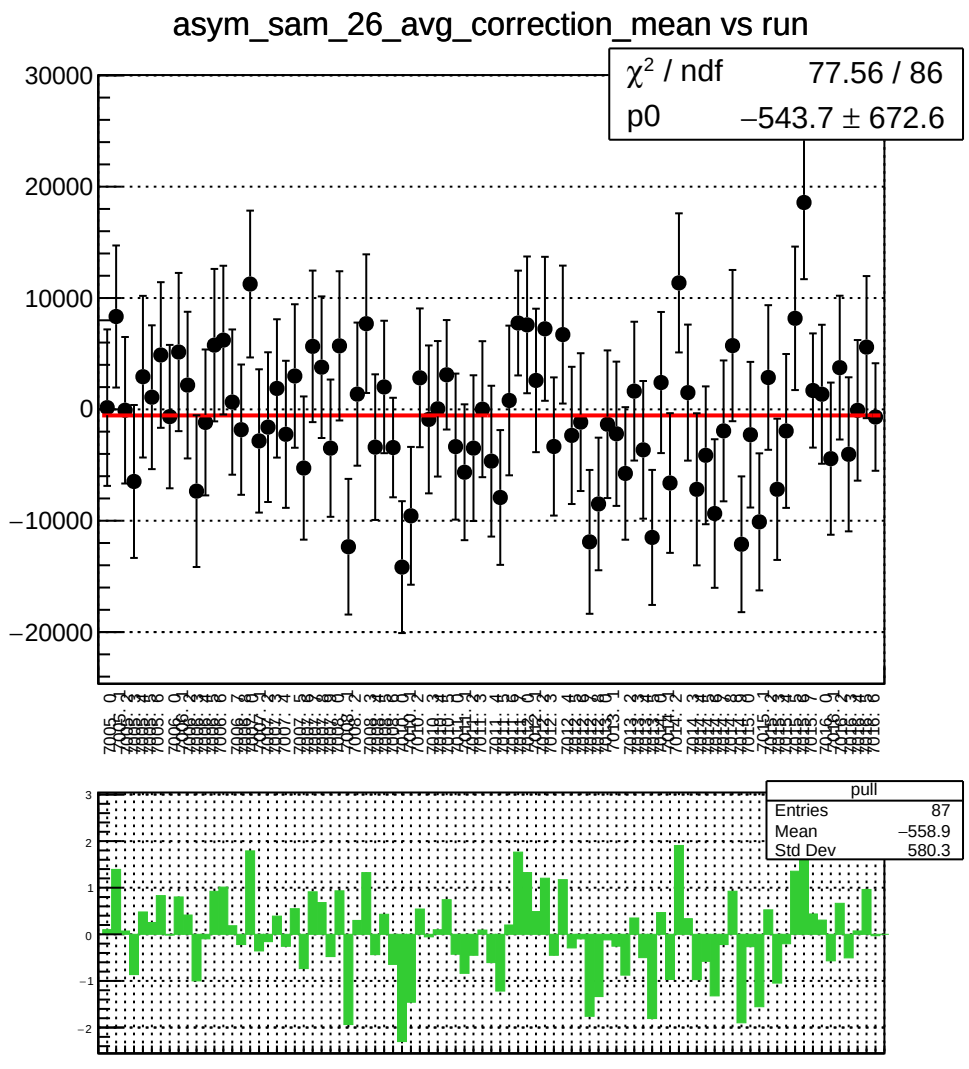

pull1D
Entries 87
Mean 0.01672
Std Dev 1.018

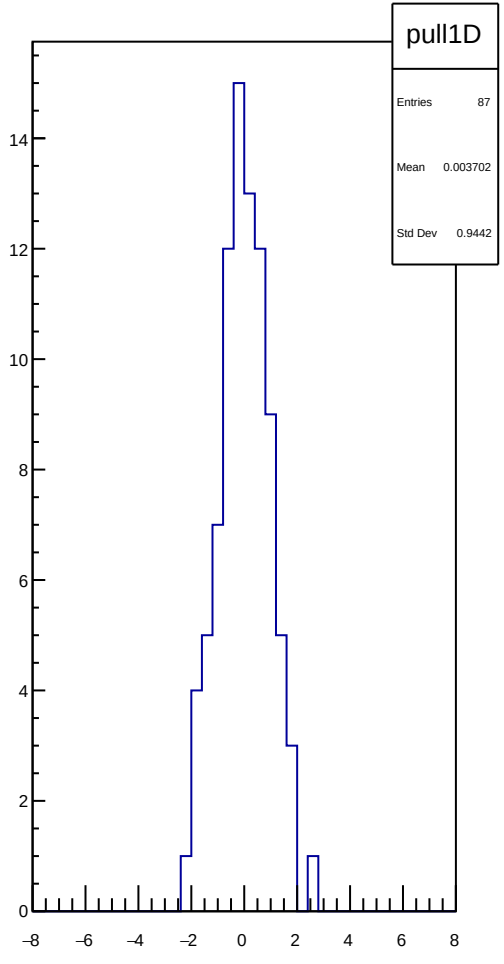

asym_sam_15_avg_rms vs run
χ² / ndf 6646 / 86
p0 319.6 ± 0.2489
360
340
320
300
280

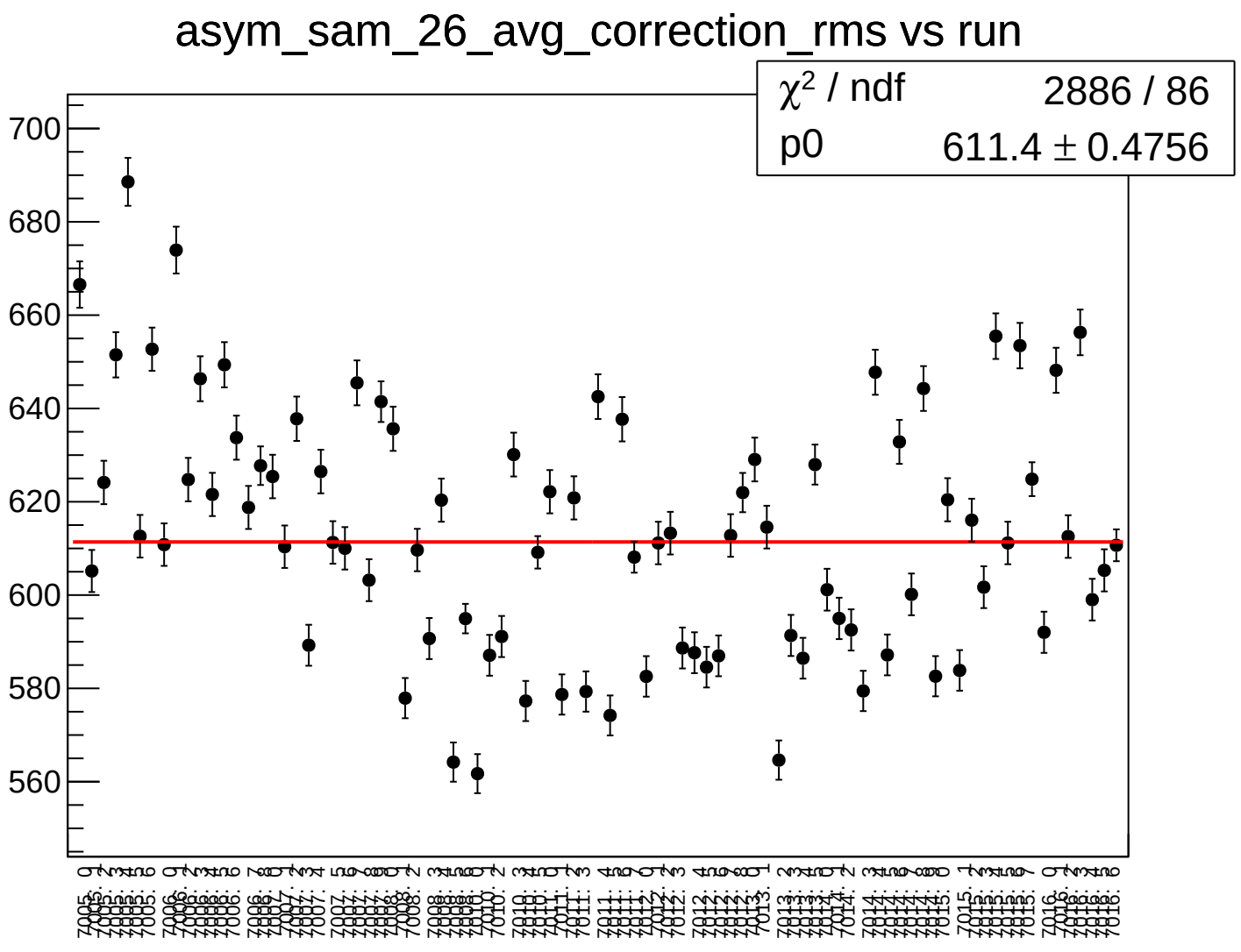

dit_asym_sam_26_avg_mean vs run
χ² / ndf 91.65 / 86
p0 −186 ± 107.2
pull
Entries 87
Mean −641.3
Std Dev 692.8

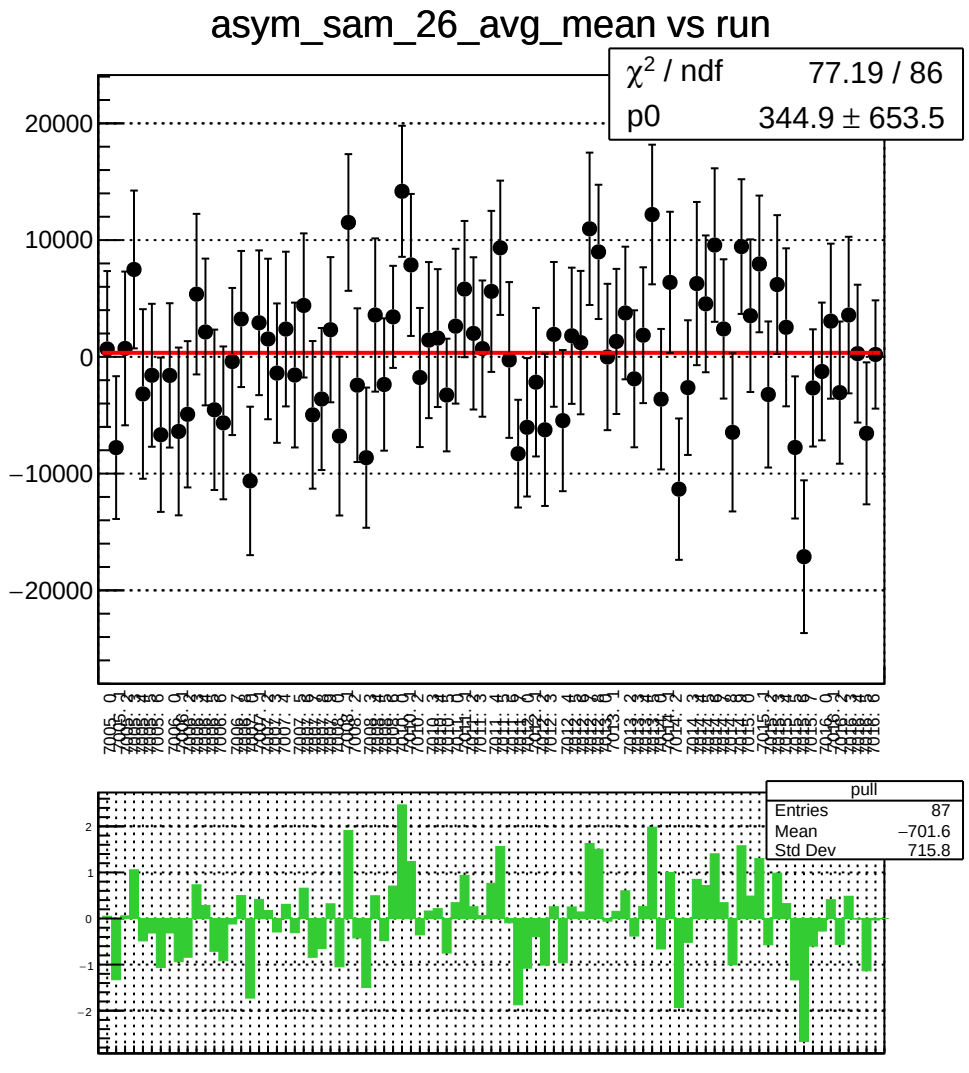

pull1D
Entries 87
Mean 0.003339
Std Dev 1.026

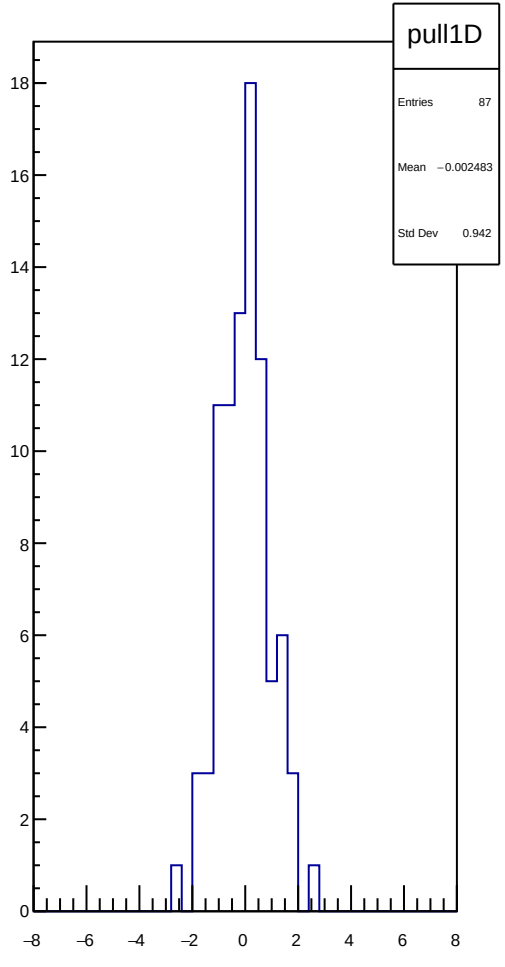

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1165 / 86
p0 97.54 ± 0.07583
110
105
100
95
90

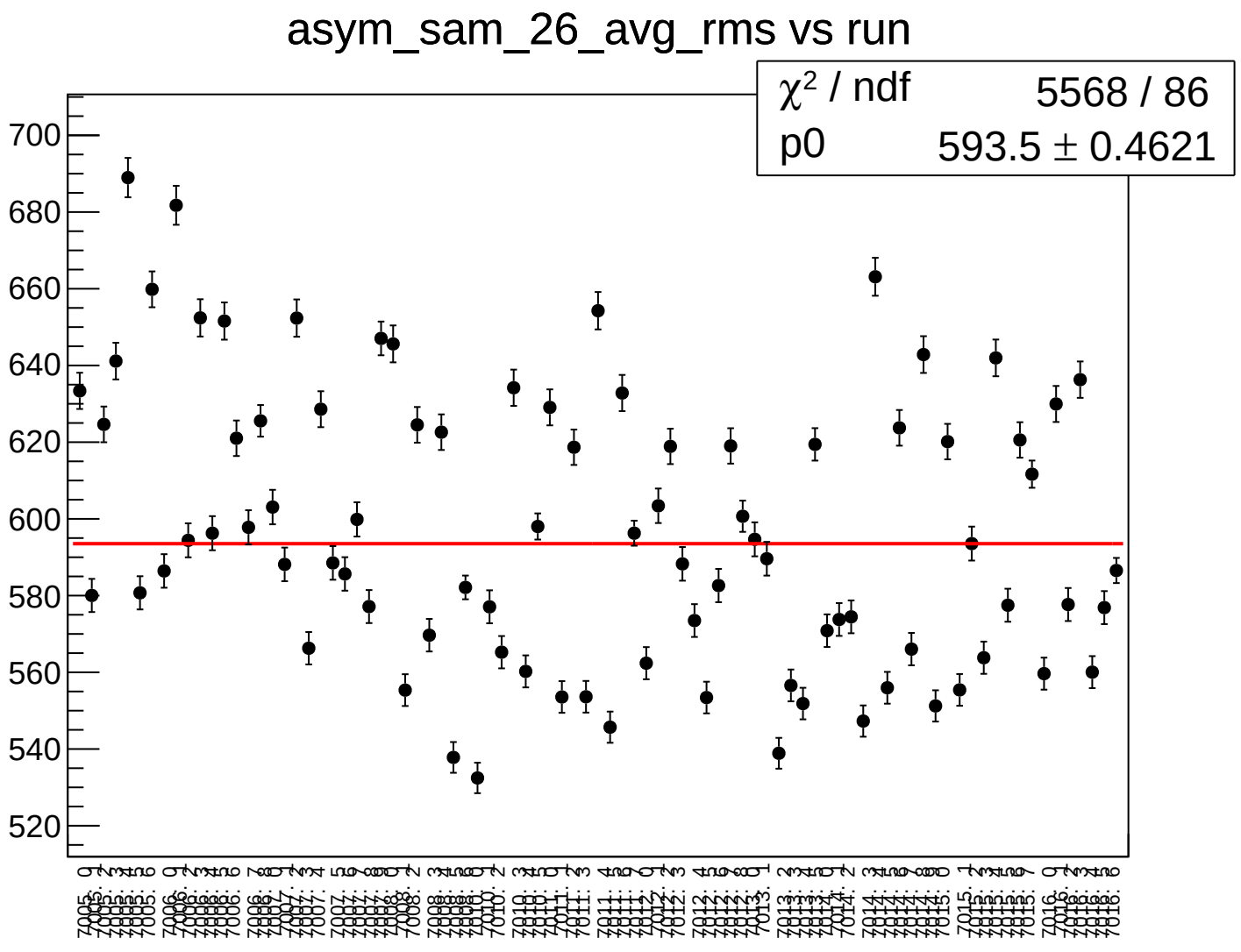

asym_sam_26_avg_correction_mean vs run
χ² / ndf 77.56 / 86
p0 −543.7 ± 672.6
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −558.9
Std Dev 580.3
3
2
1
0
−1
−2

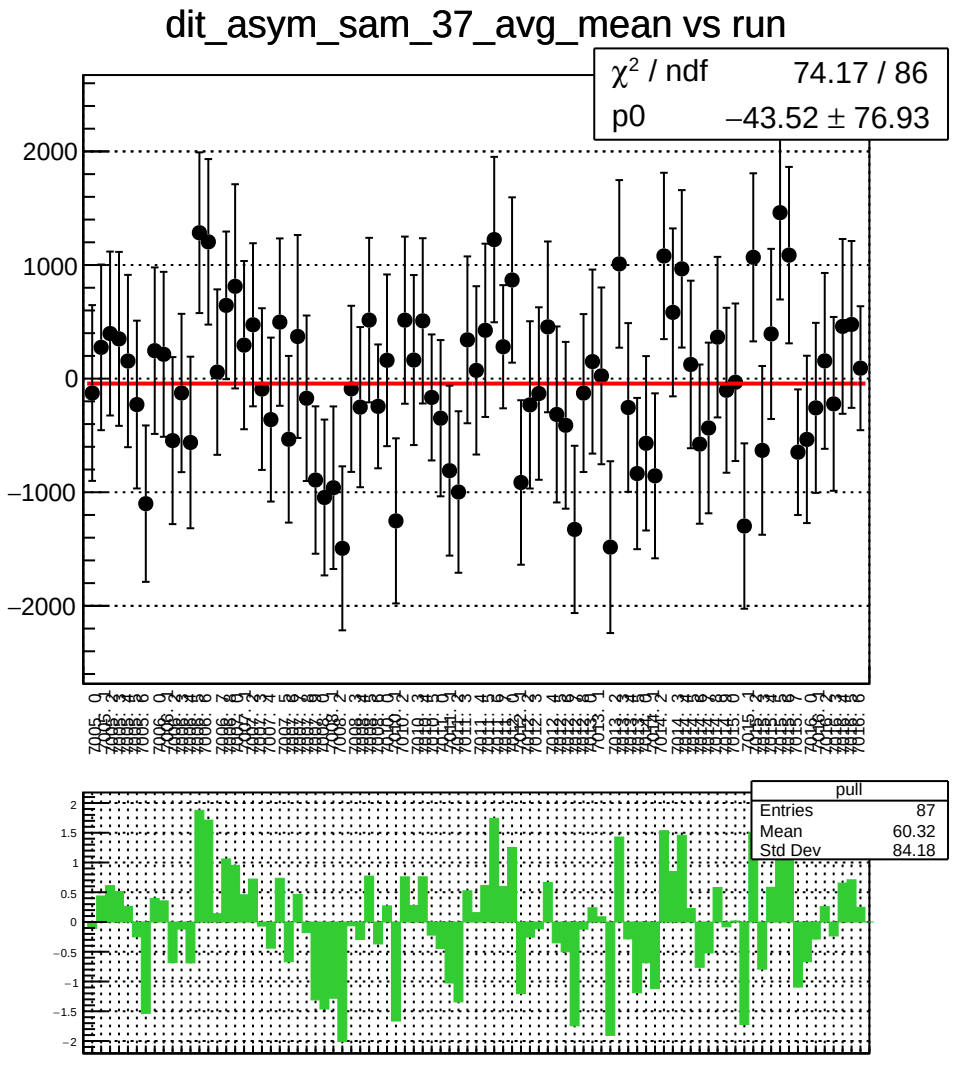

pull1D
Entries 87
Mean 0.003702
Std Dev 0.9442
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

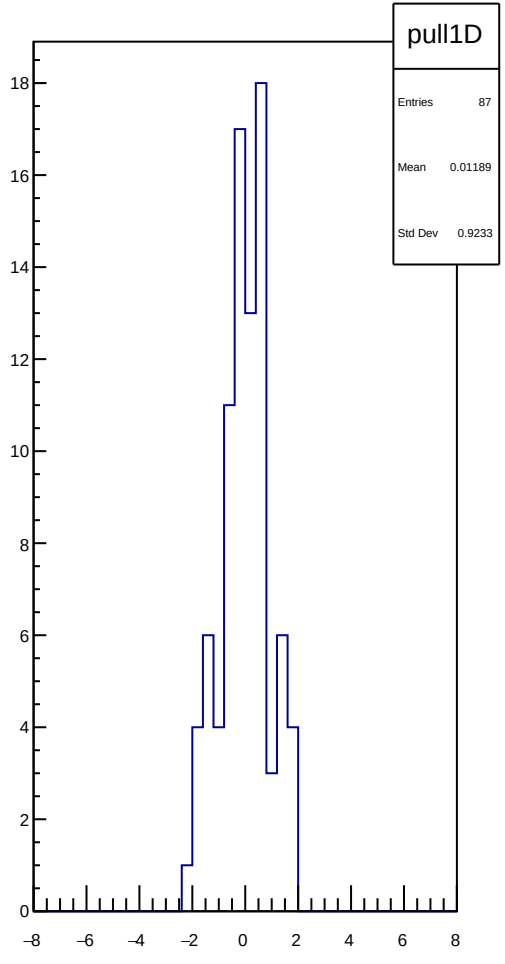

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2886 / 86
p0 611.4 ± 0.4756
700
680
660
640
620
600
580
560

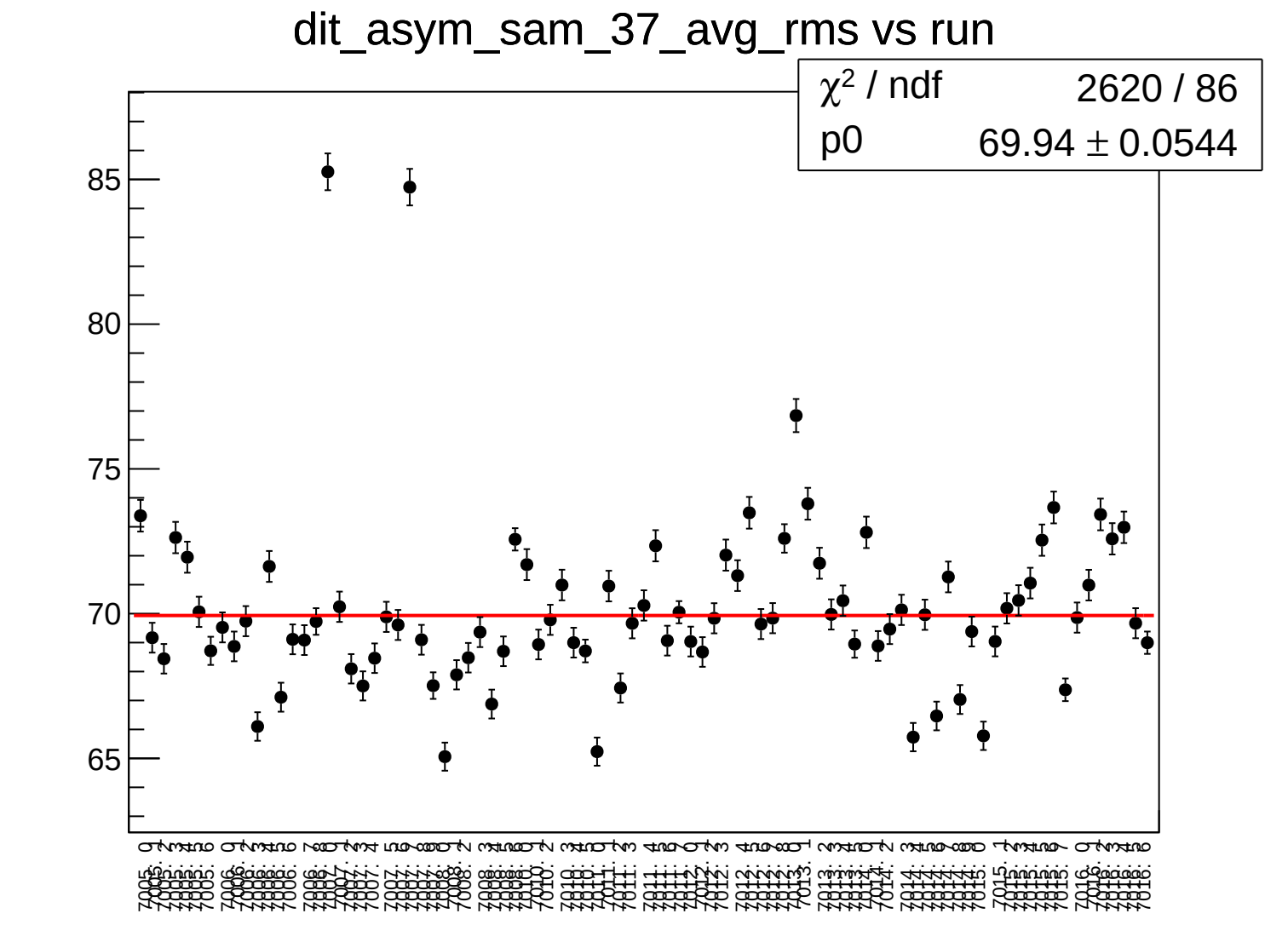

asym_sam_26_avg_mean vs run
χ² / ndf 77.19 / 86
p0 344.9 ± 653.5
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −701.6
Std Dev 715.8
2
1
0
−1
−2

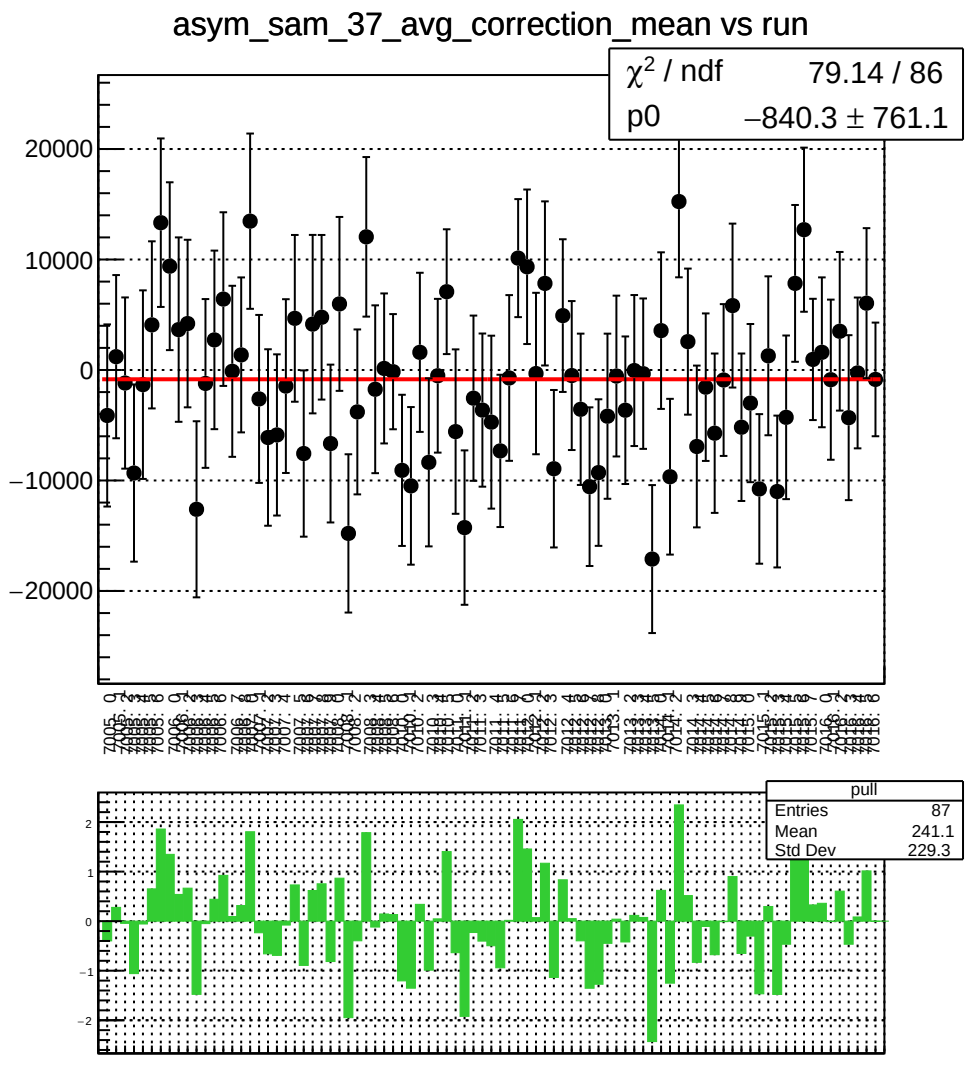

pull1D
Entries 87
Mean −0.002483
Std Dev 0.942
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

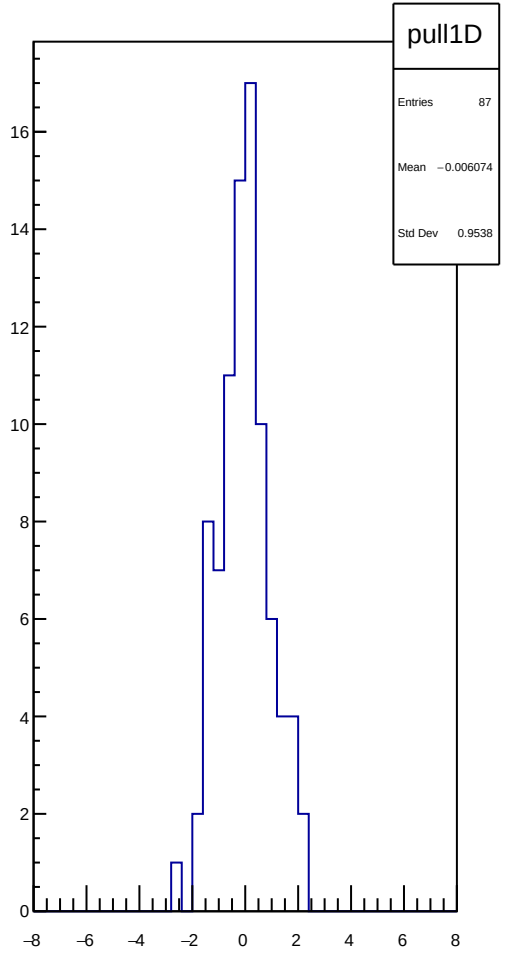

asym_sam_26_avg_rms vs run
χ² / ndf 5568 / 86
p0 593.5 ± 0.4621
700
680
660
640
620
600
580
560
540
520

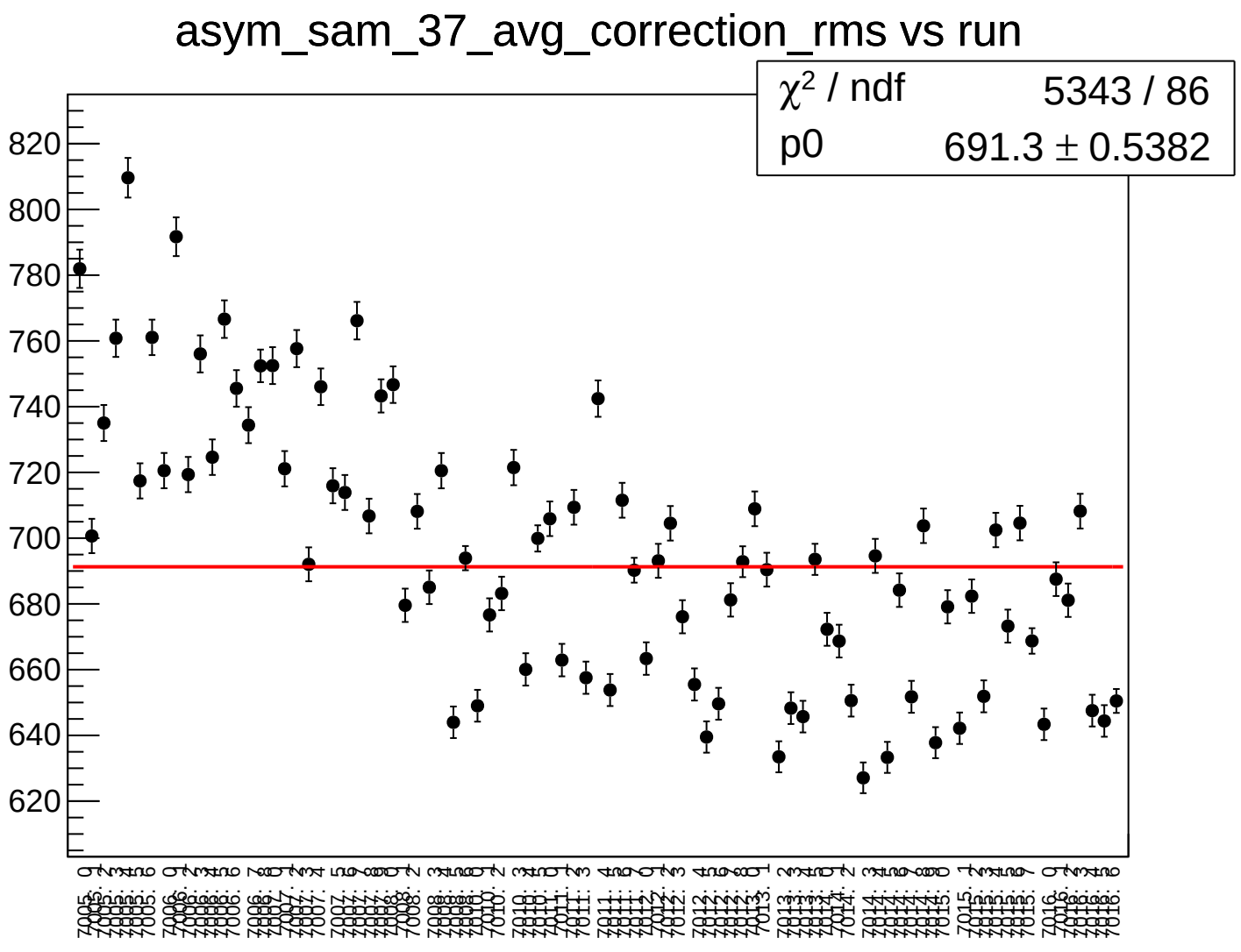

dit_asym_sam_37_avg_mean vs run
χ² / ndf 74.17 / 86
p0 −43.52 ± 76.93
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 60.32
Std Dev 84.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

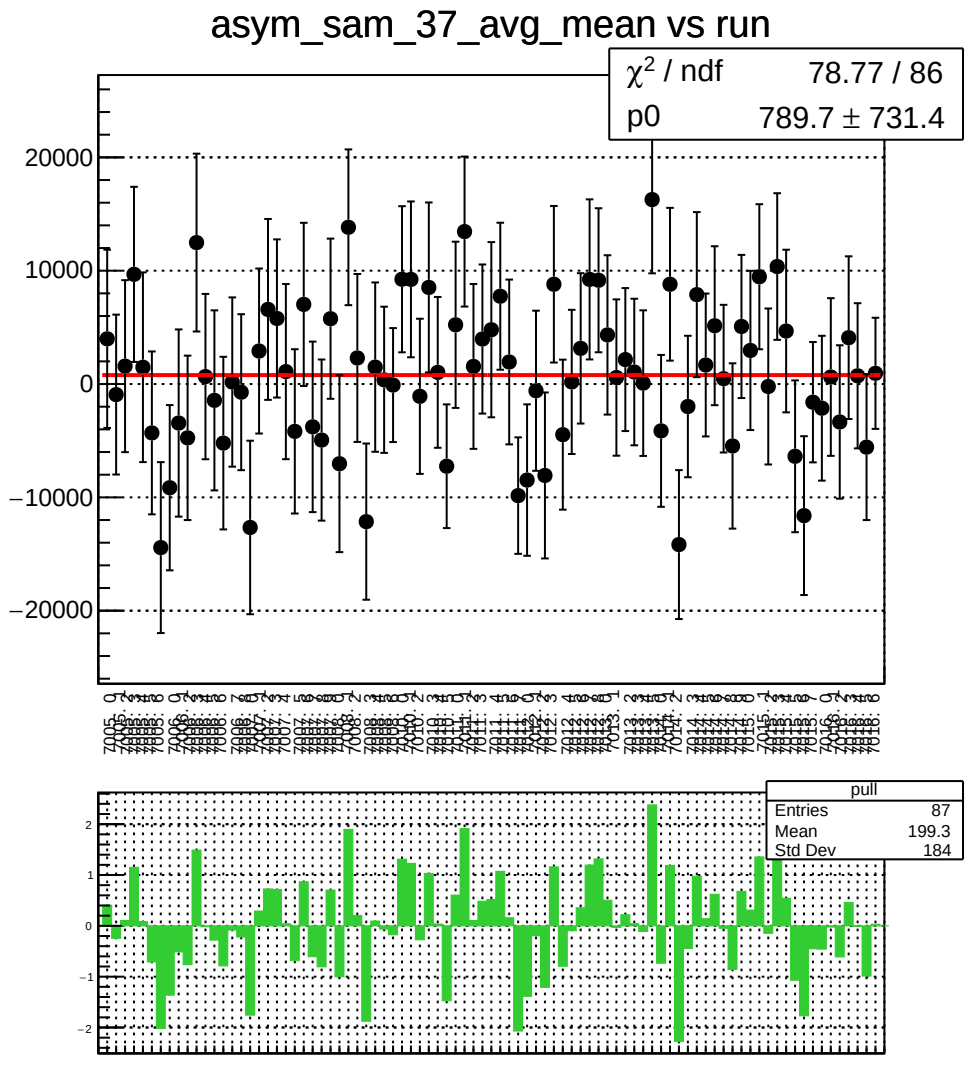

pull1D
Entries 87
Mean 0.01189
Std Dev 0.9233
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

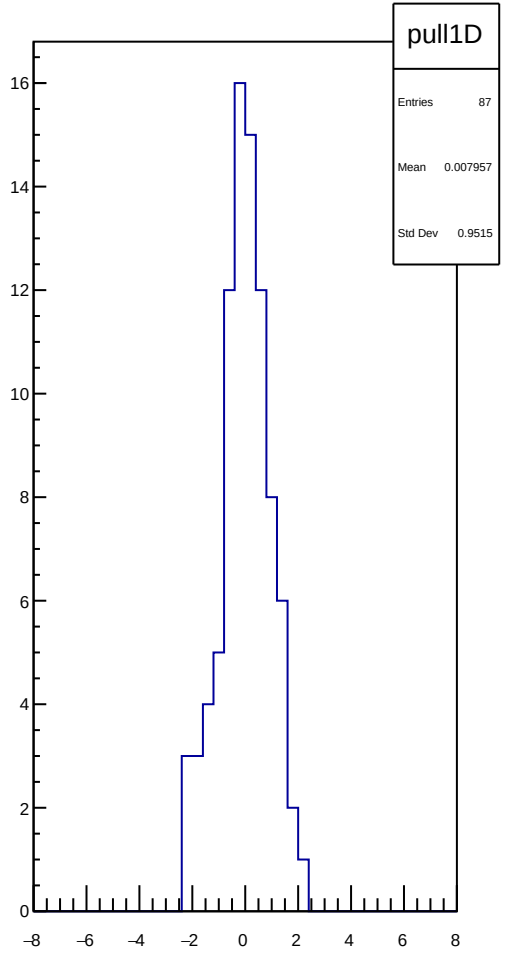

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2620 / 86
p0 69.94 ± 0.0544
85
80
75
70
65

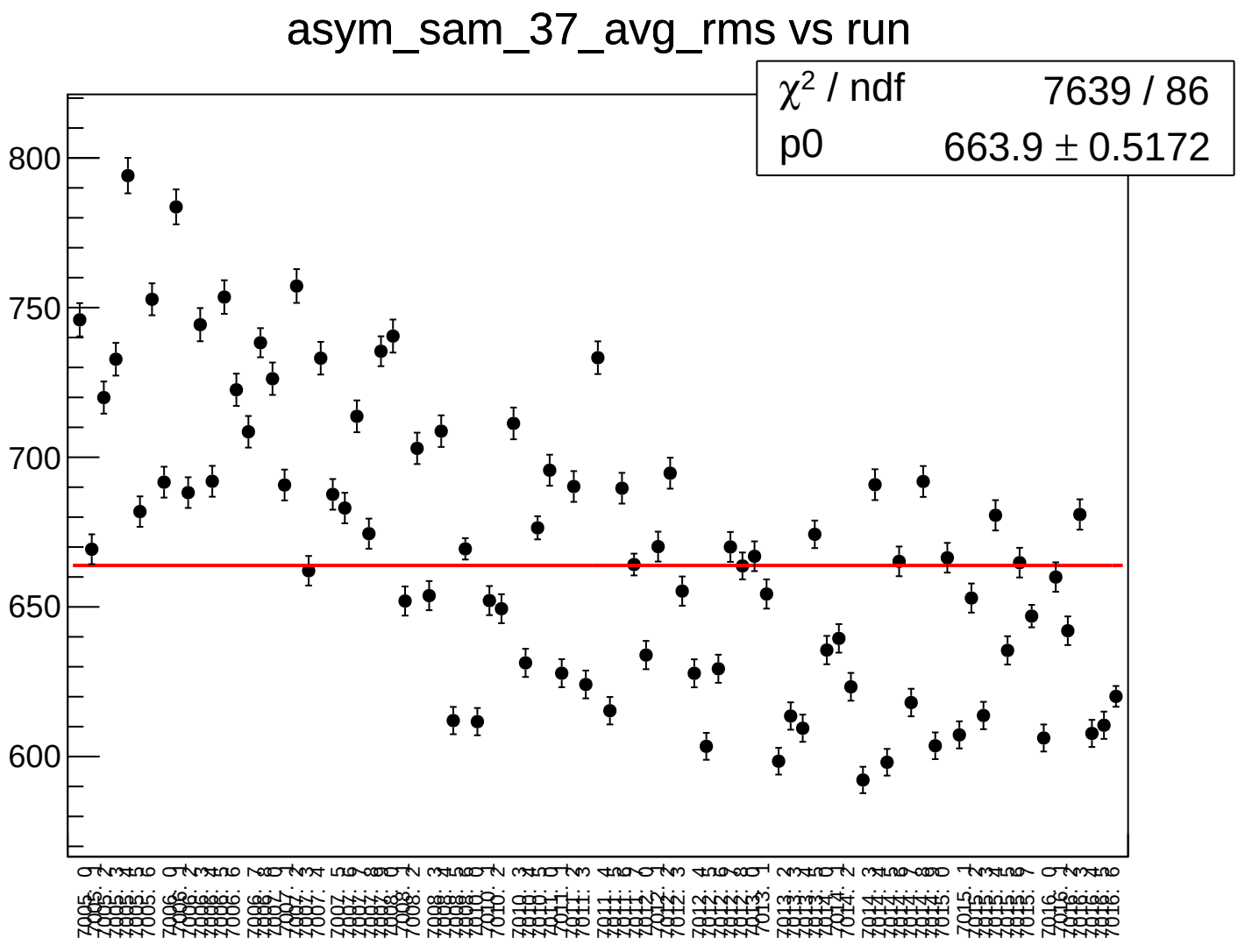

asym_sam_37_avg_correction_mean vs run
χ² / ndf 79.14 / 86
p0 −840.3 ± 761.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 241.1
Std Dev 229.3
2
1
0
−1
−2

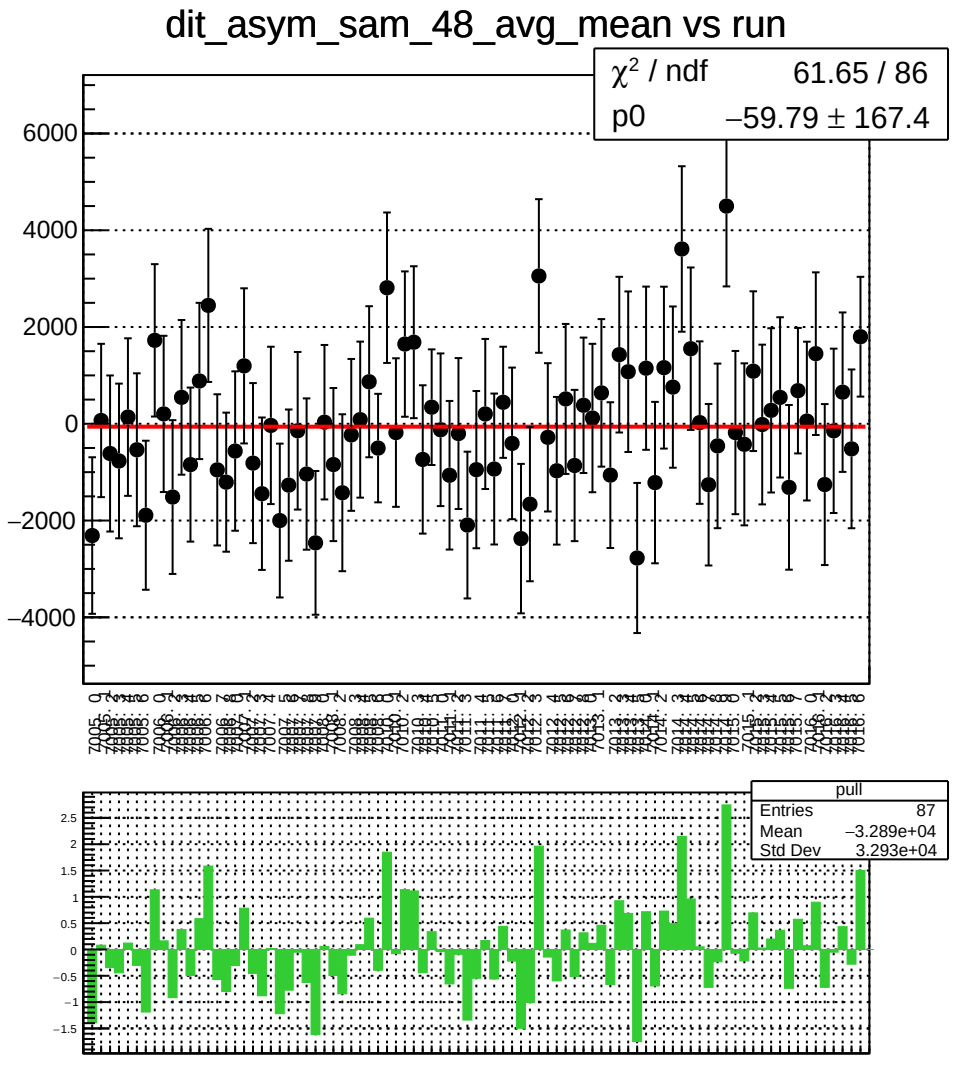

pull1D
Entries 87
Mean −0.006074
Std Dev 0.9538
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

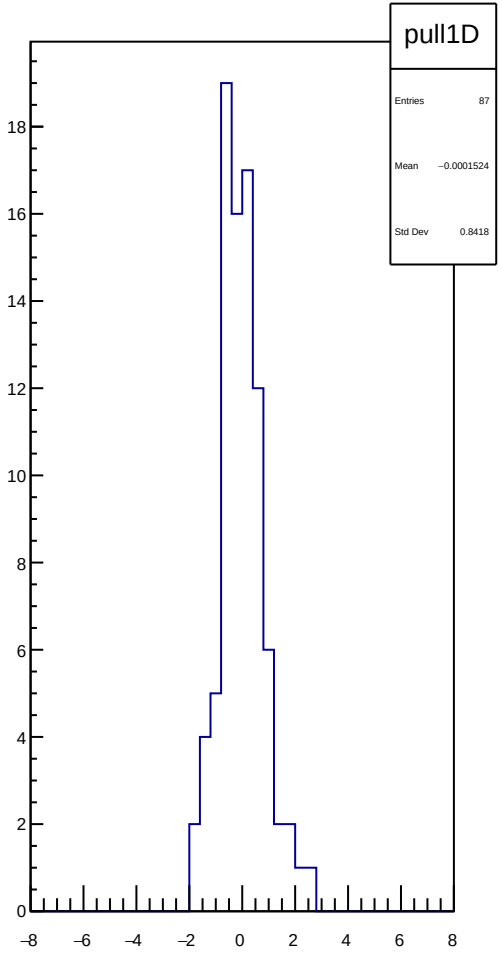

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5343 / 86
p0 691.3 ± 0.5382
820
800
780
760
740
720
700
680
660
640
620

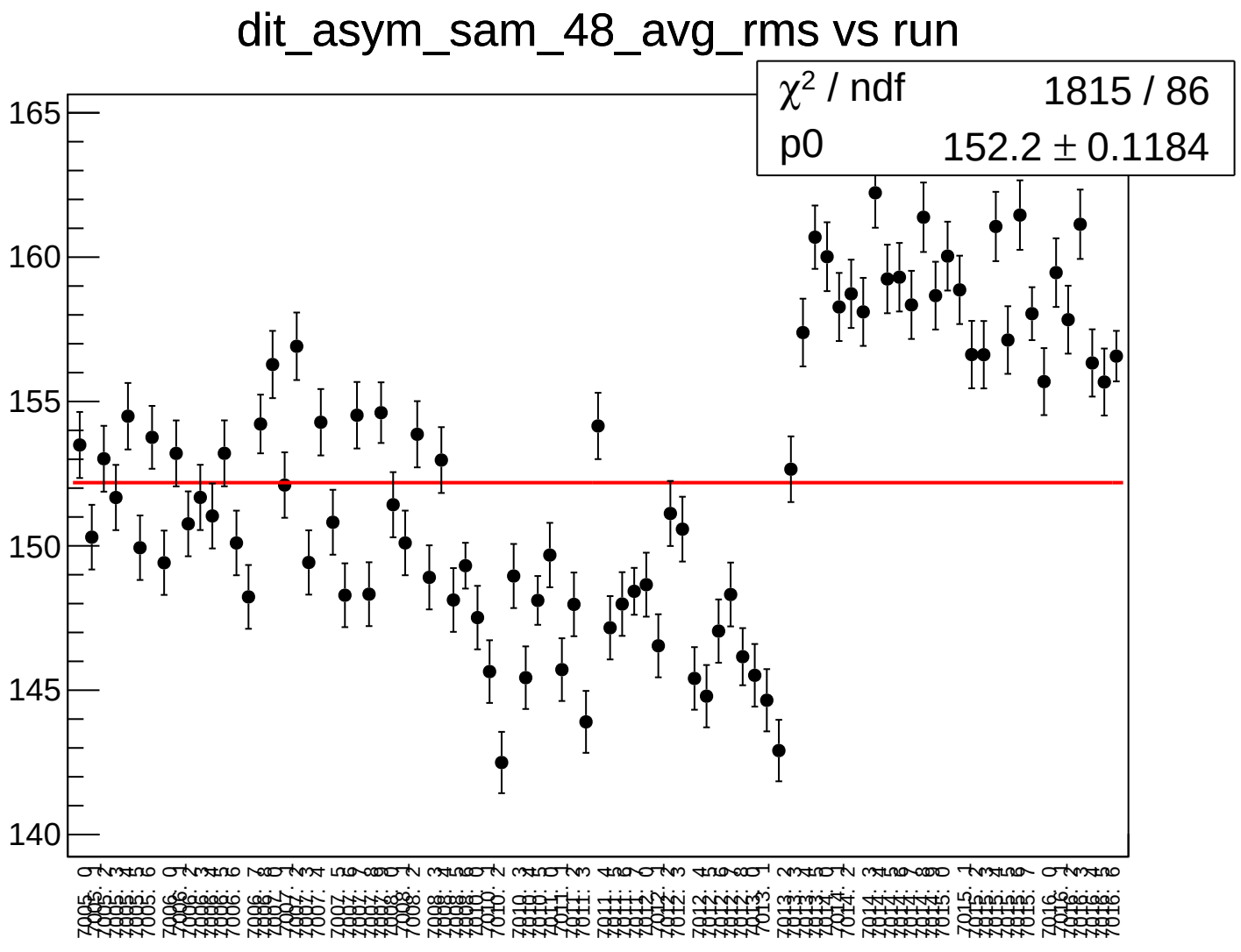

asym_sam_37_avg_mean vs run
χ² / ndf 78.77 / 86
p0 789.7 ± 731.4
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 199.3
Std Dev 184
2
1
0
−1
−2

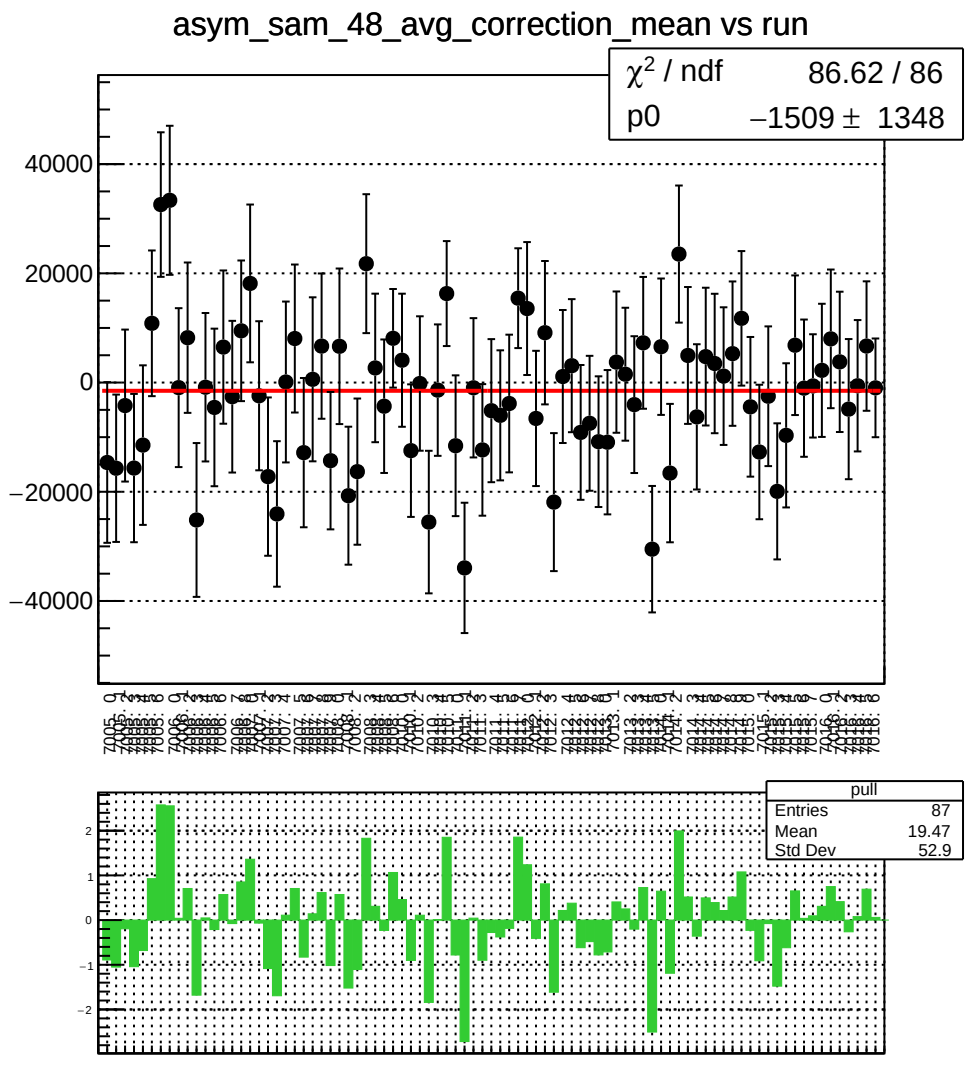

pull1D
Entries 87
Mean 0.007957
Std Dev 0.9515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

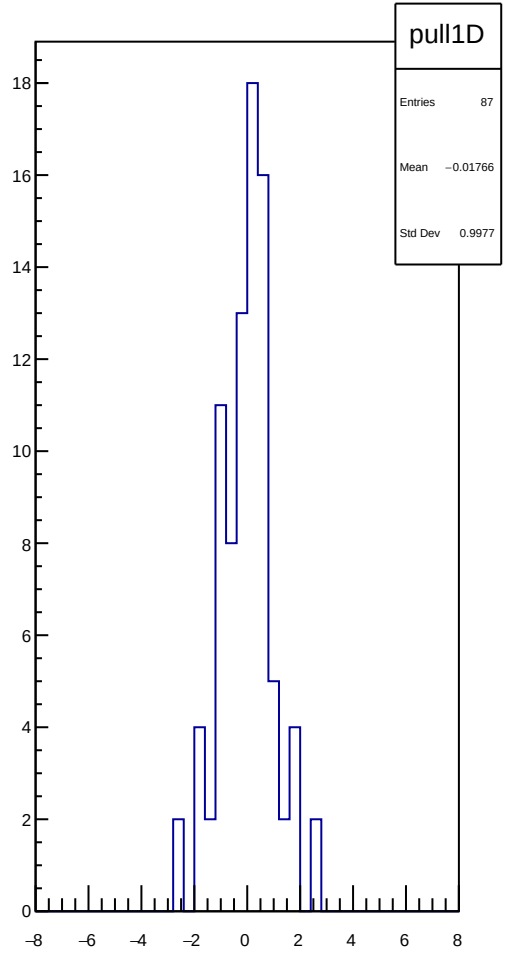

asym_sam_37_avg_rms vs run
χ² / ndf 7639 / 86
p0 663.9 ± 0.5172
800
750
700
650
600

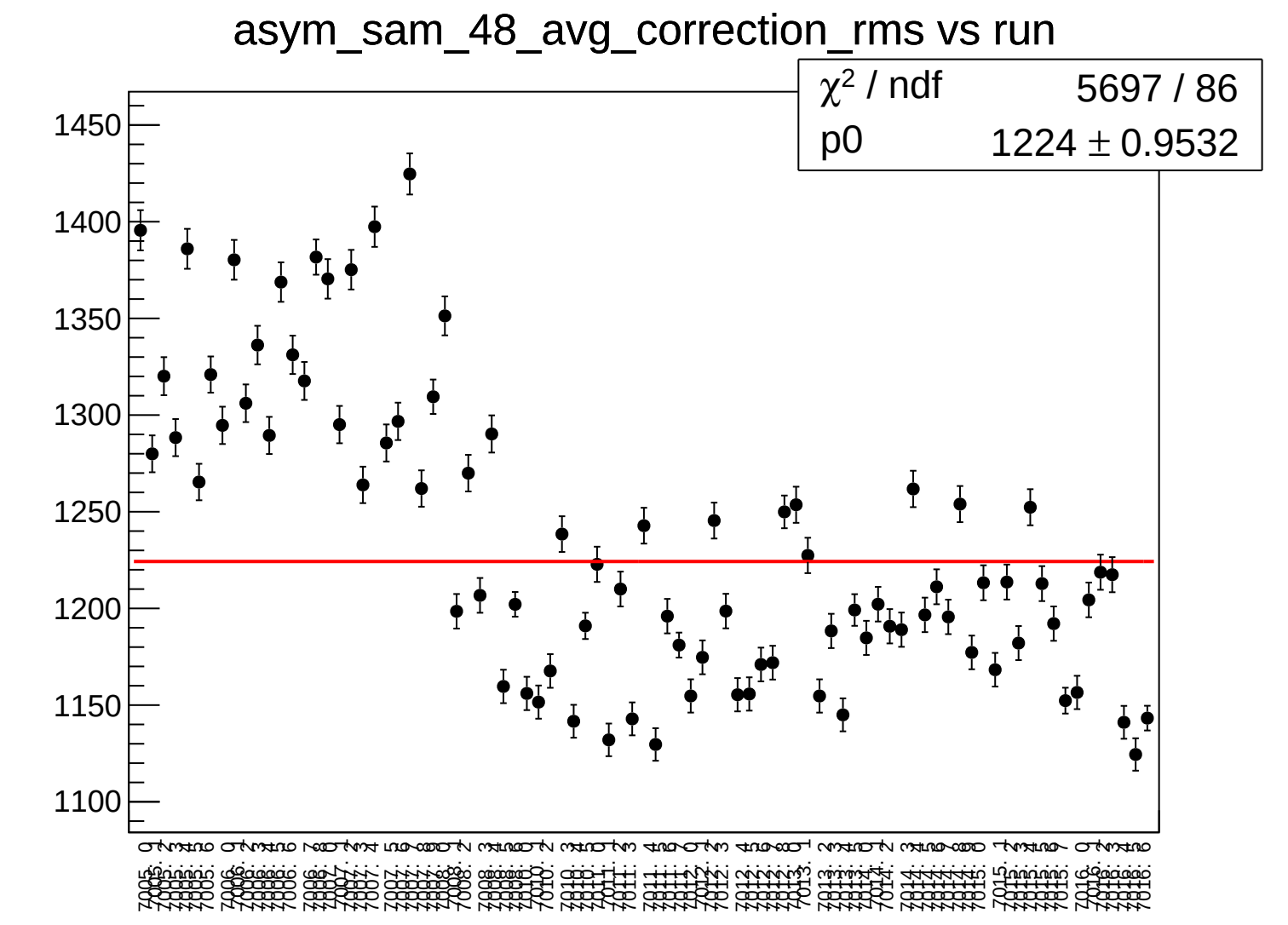

dit_asym_sam_48_avg_mean vs run
χ² / ndf 61.65 / 86
p0 −59.79 ± 167.4
6000
4000
2000
0
−2000
−4000
pull
Entries 87
Mean −3.289e+04
Std Dev 3.293e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

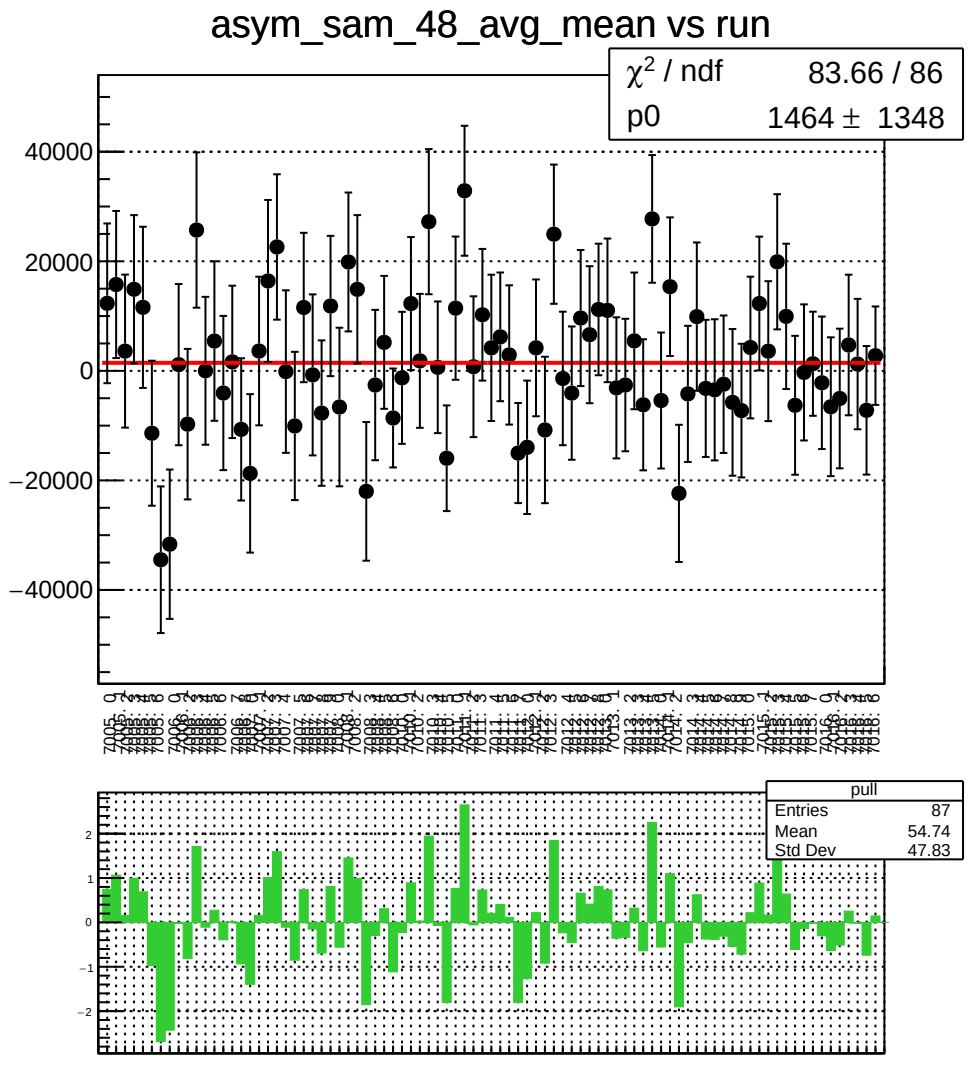

pull1D
Entries 87
Mean −0.0001524
Std Dev 0.8418
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

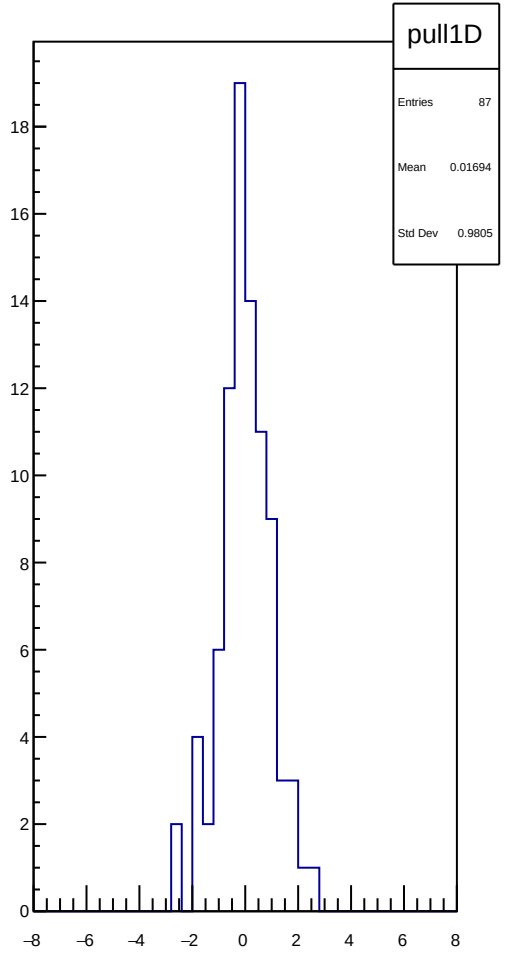

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1815 / 86
p0 152.2 ± 0.1184
165
160
155
150
145
140

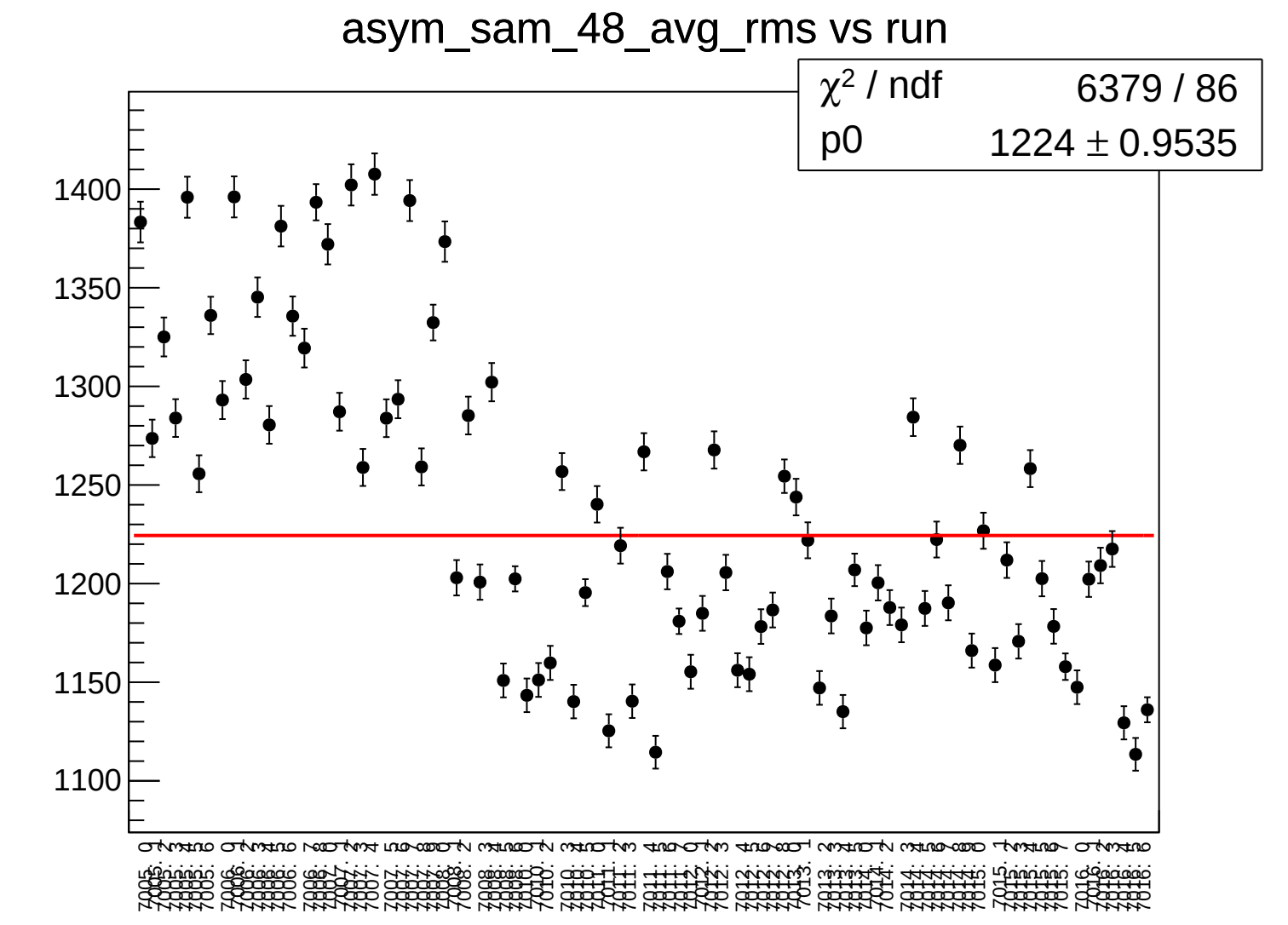

asym_sam_48_avg_correction_mean vs run
χ² / ndf 86.62 / 86
p0 −1509 ± 1348
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 19.47
Std Dev 52.9
2
1
0
−1
−2

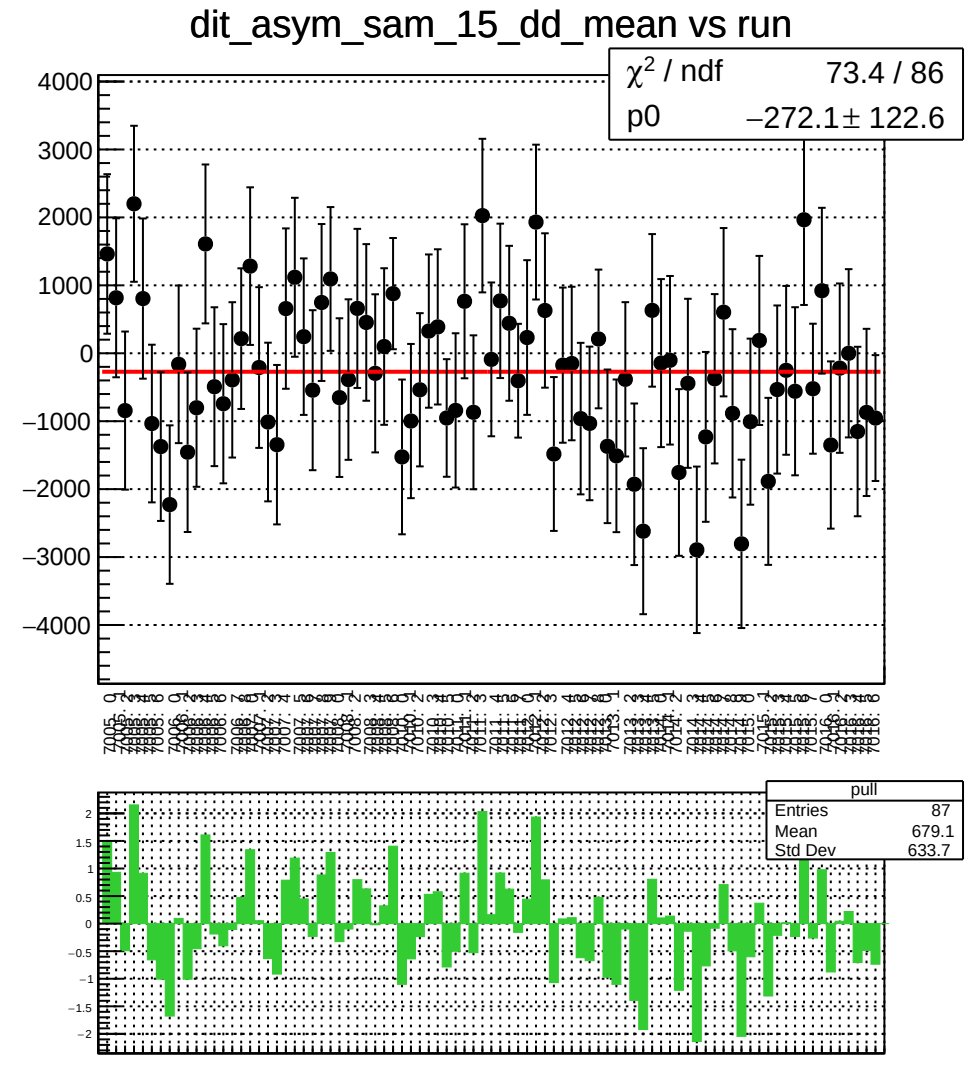

pull1D
Entries 87
Mean −0.01766
Std Dev 0.9977
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

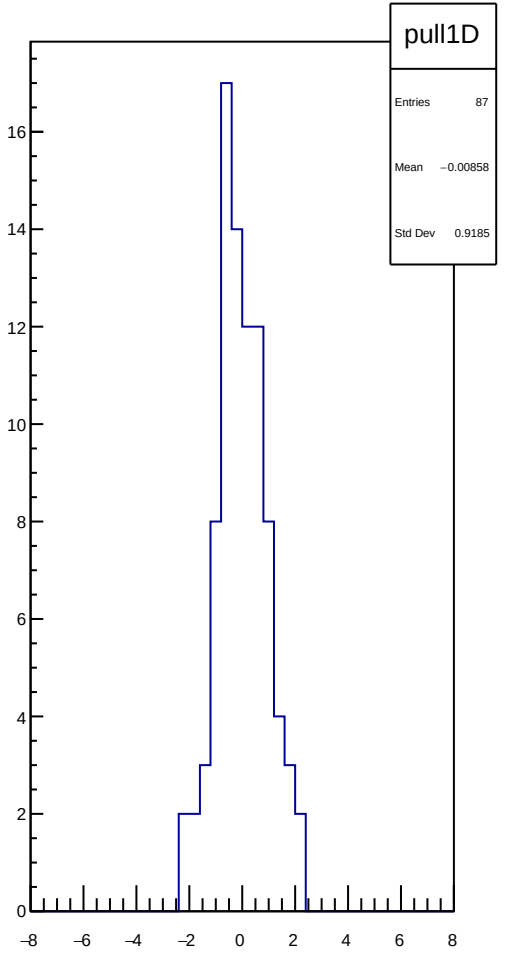

asym_sam_48_avg_correction_rms vs run
χ² / ndf 5697 / 86
p0 1224 ± 0.9532
1450
1400
1350
1300
1250
1200
1150
1100

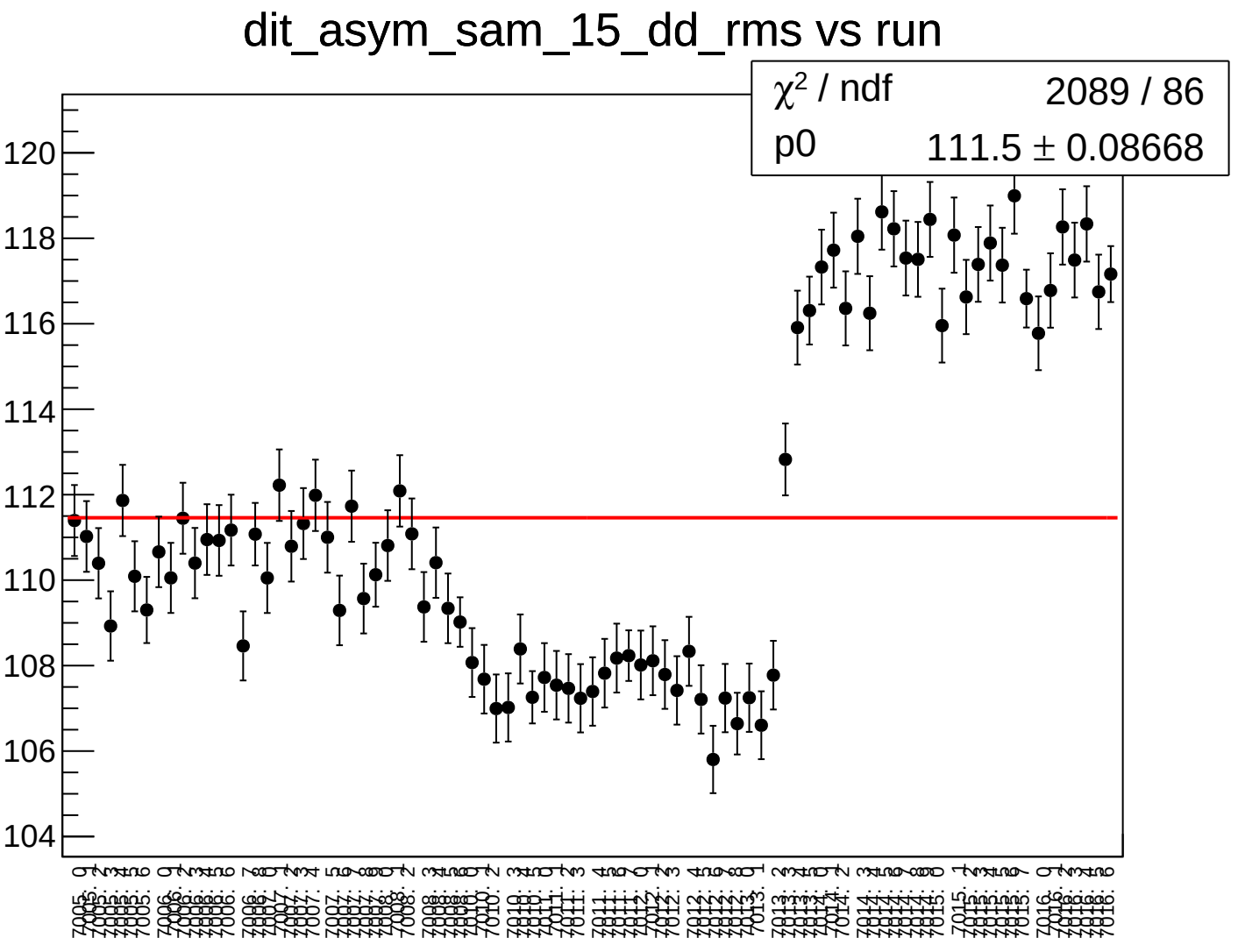

asym_sam_48_avg_mean vs run
χ^2 / ndf 83.66 / 86
p0 1464 ± 1348
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 54.74
Std Dev 47.83
2
1
0
−1
−2

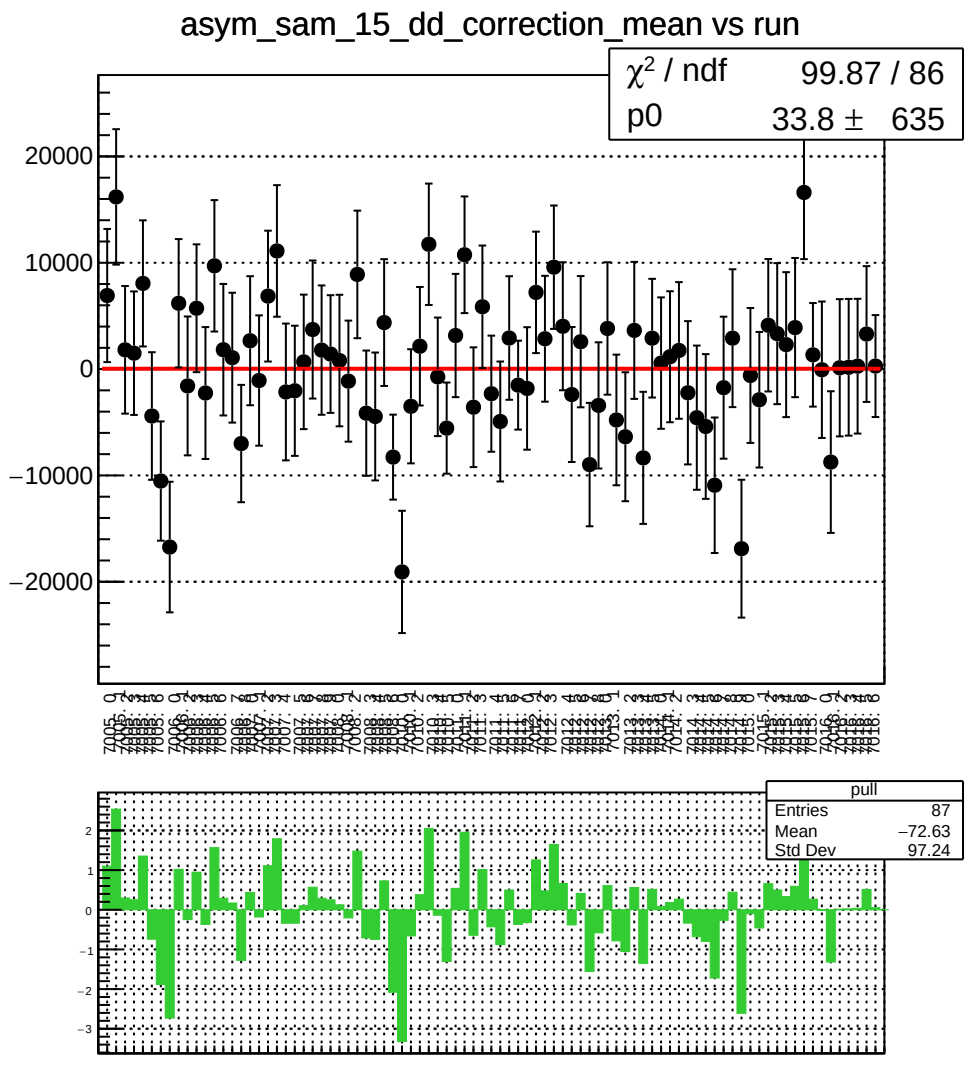

pull1D
Entries 87
Mean 0.01694
Std Dev 0.9805
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

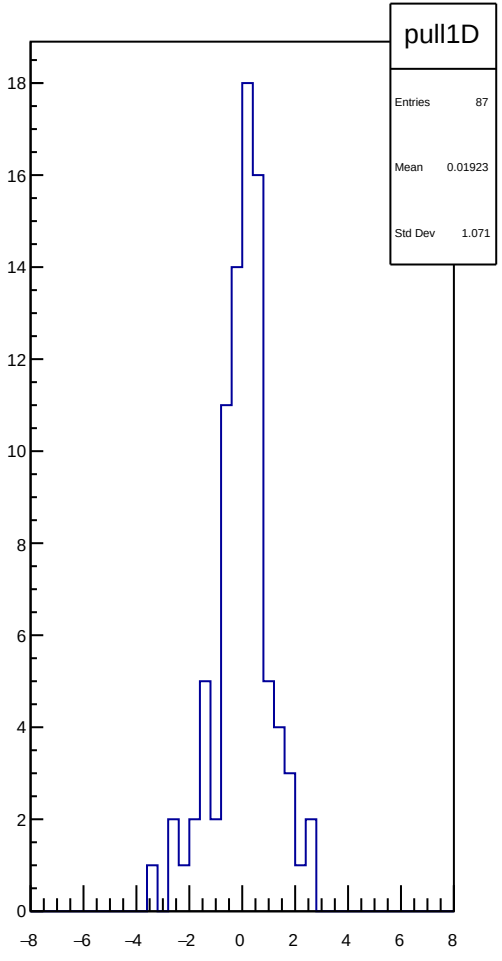

asym_sam_48_avg_rms vs run
χ² / ndf 6379 / 86
p0 1224 ± 0.9535
1400
1350
1300
1250
1200
1150
1100

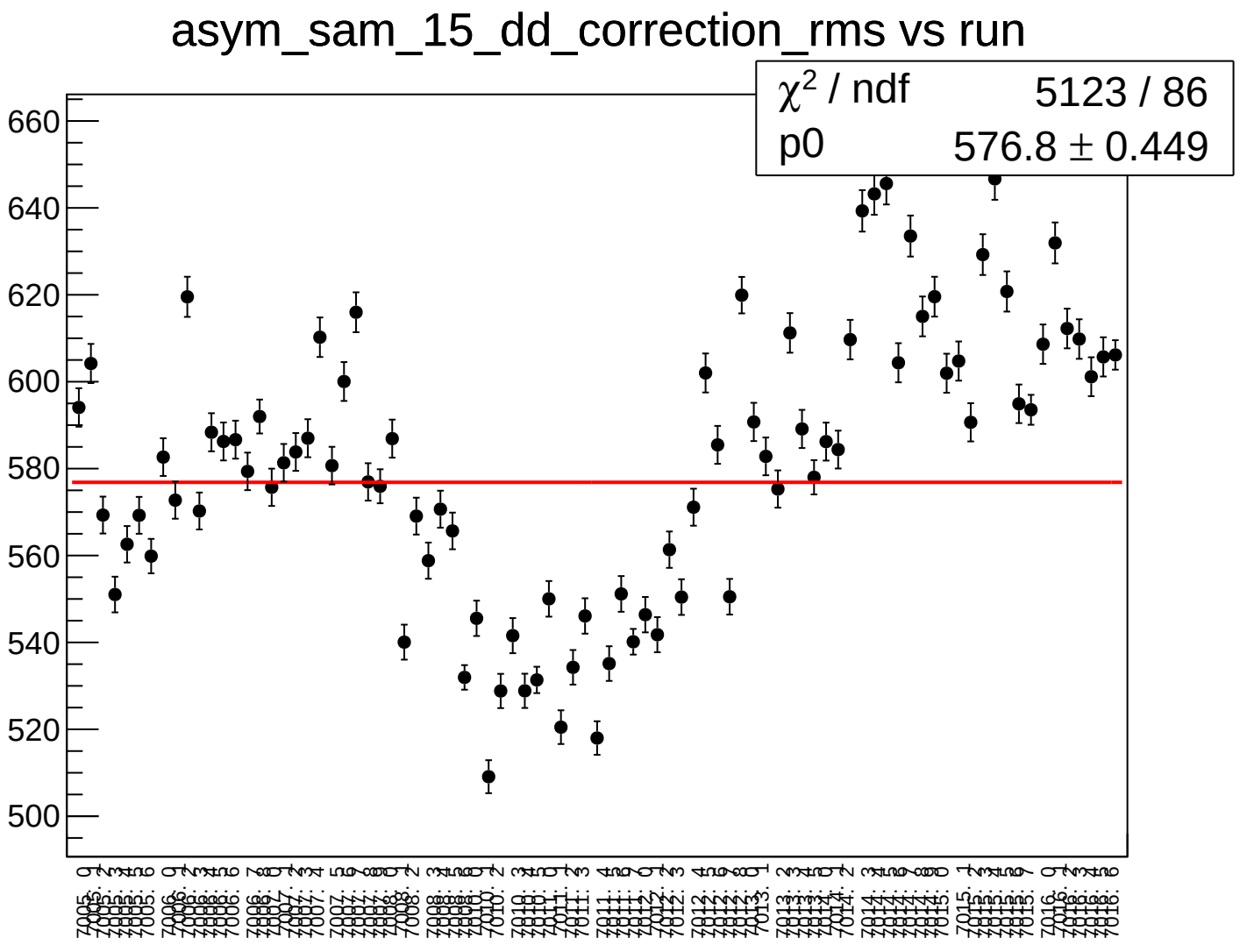

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.4 / 86
p0 −272.1± 122.6
pull
Entries 87
Mean 679.1
Std Dev 633.7

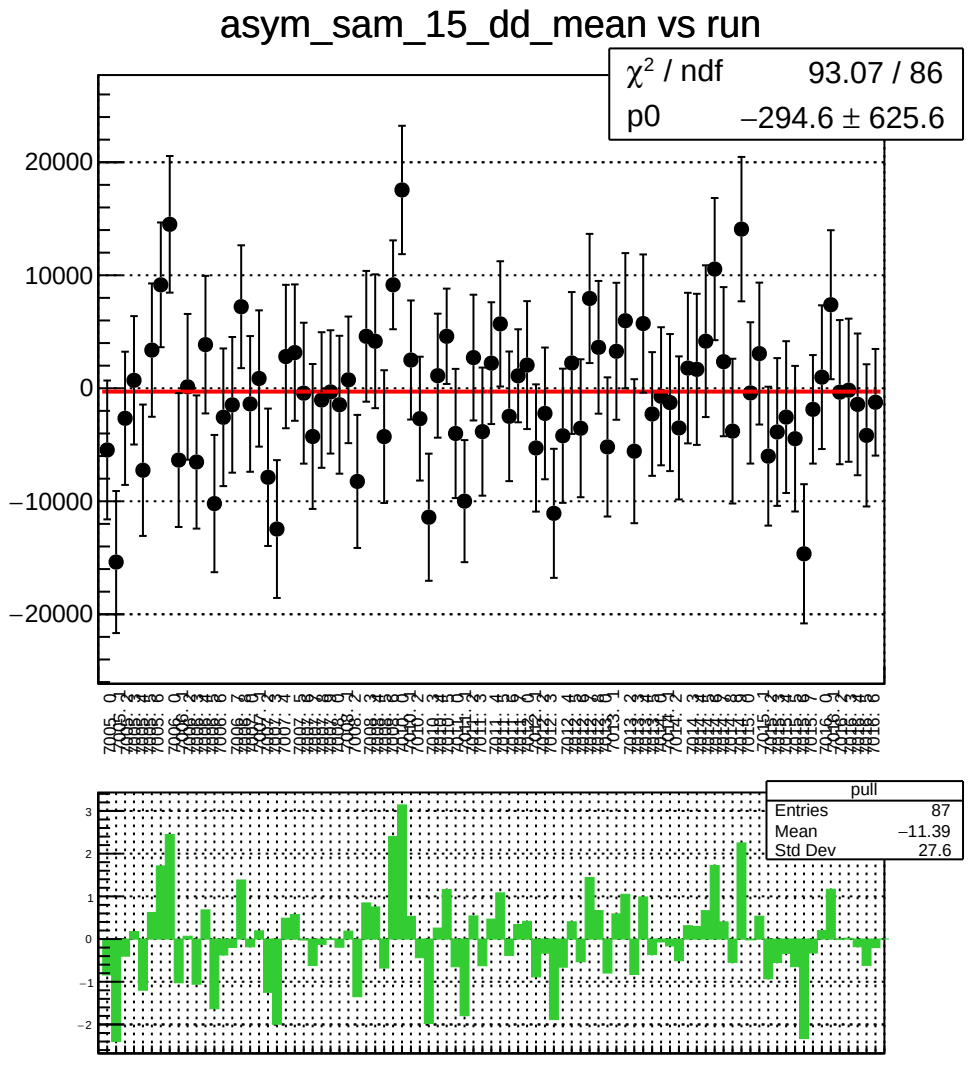

pull1D
Entries 87
Mean −0.00858
Std Dev 0.9185

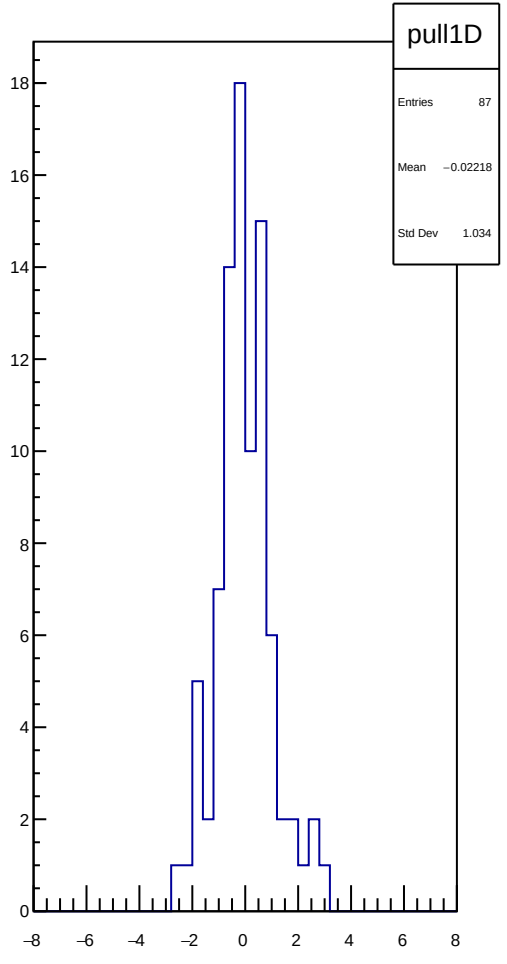

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 2089 / 86
p0 111.5 ± 0.08668
120
118
116
114
112
110
108
106
104

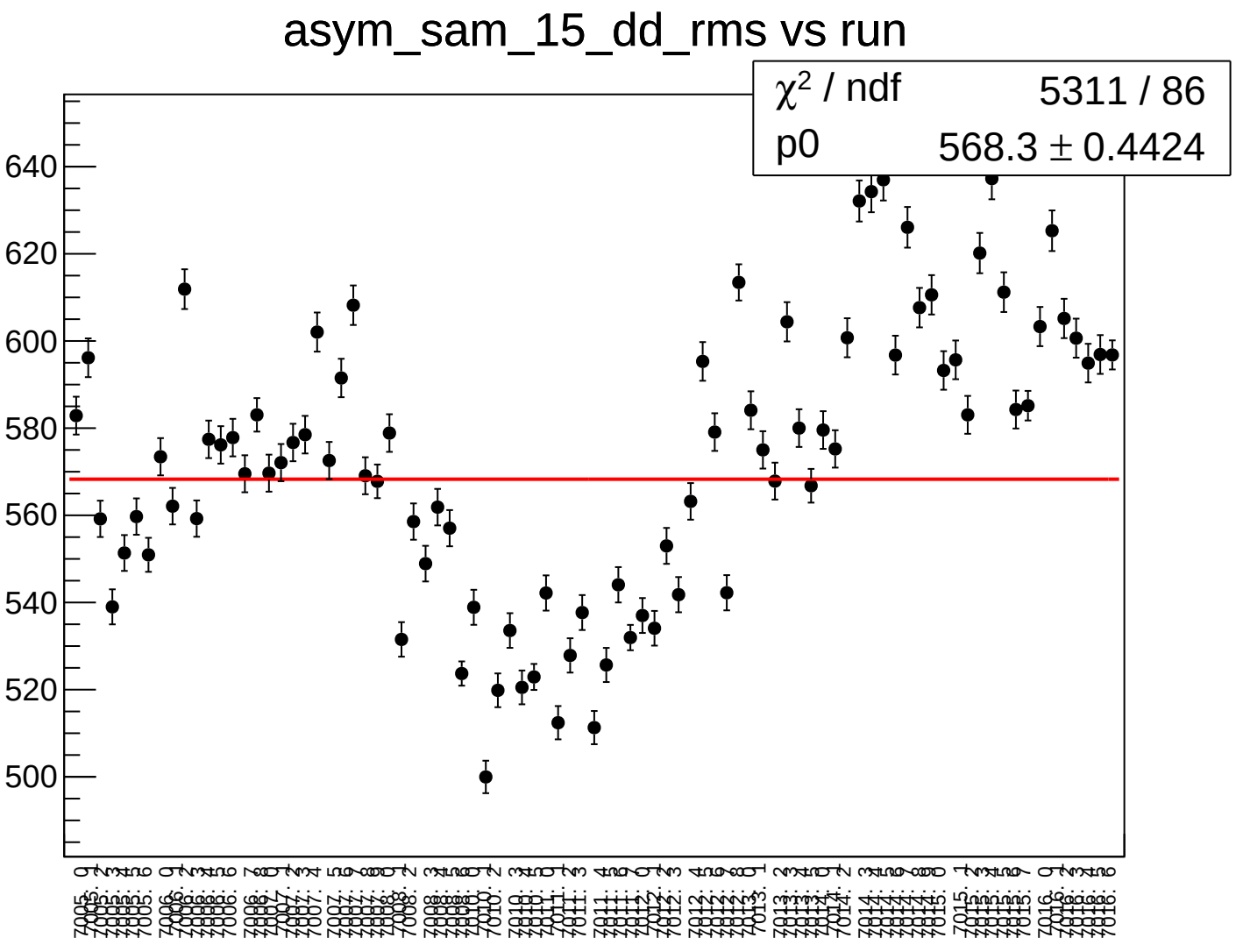

asym_sam_15_dd_correction_mean vs run
χ² / ndf 99.87 / 86
p0 33.8 ± 635
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −72.63
Std Dev 97.24
2
1
0
−1
−2
−3

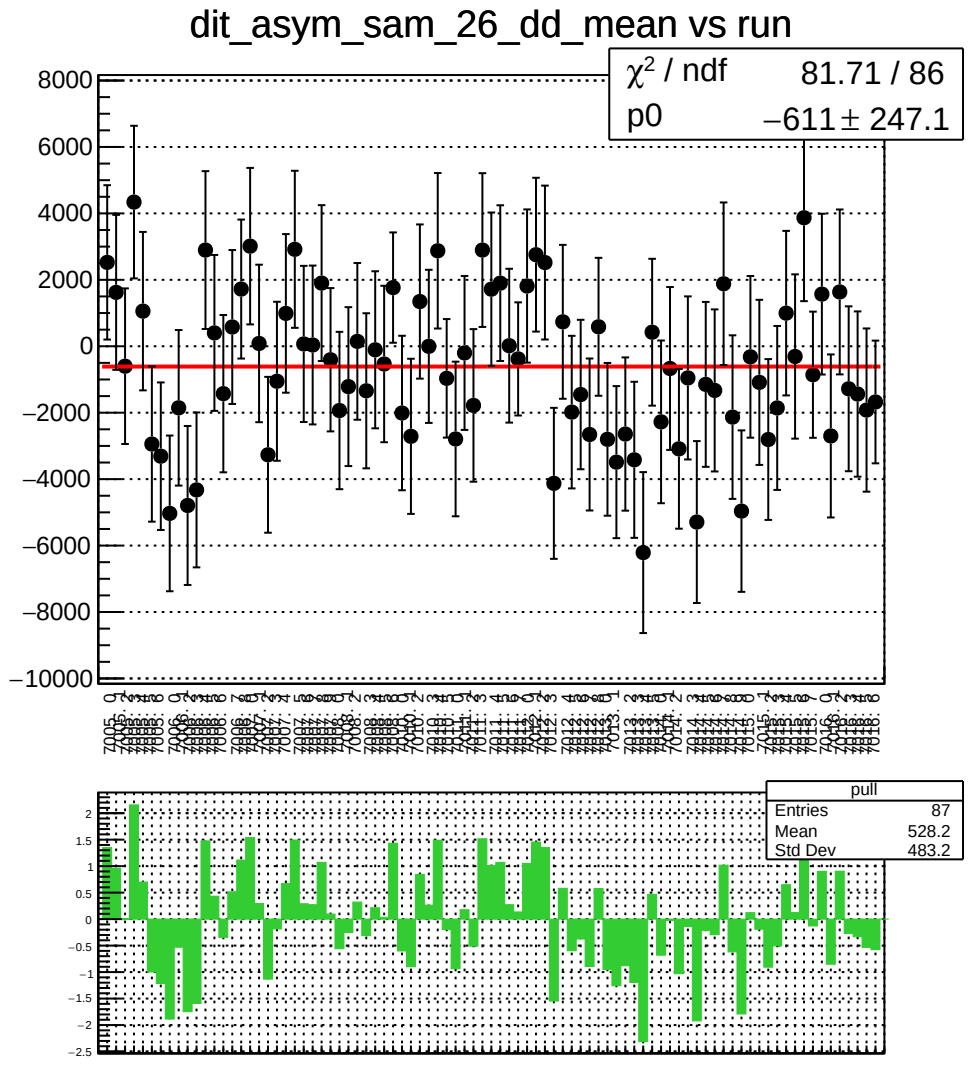

pull1D
Entries 87
Mean 0.01923
Std Dev 1.071
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

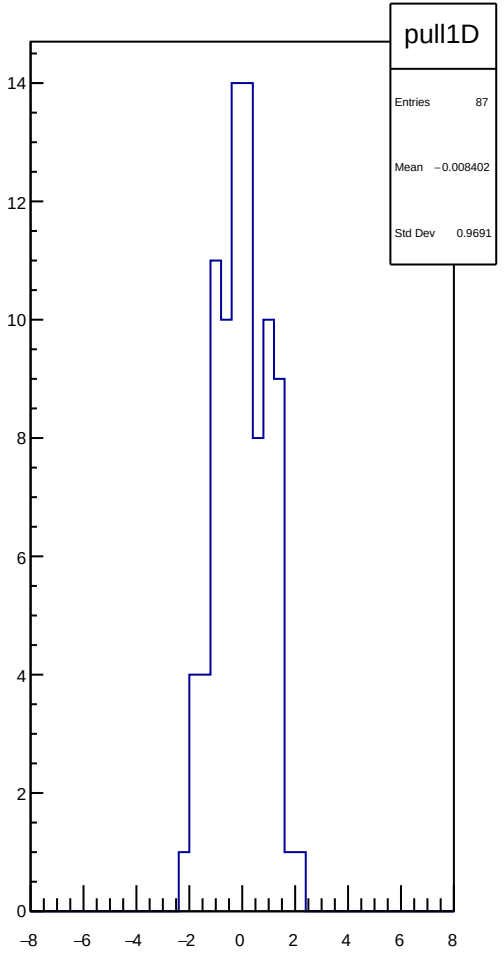

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5123 / 86
p0 576.8 ± 0.449
660
640
620
600
580
560
540
520
500

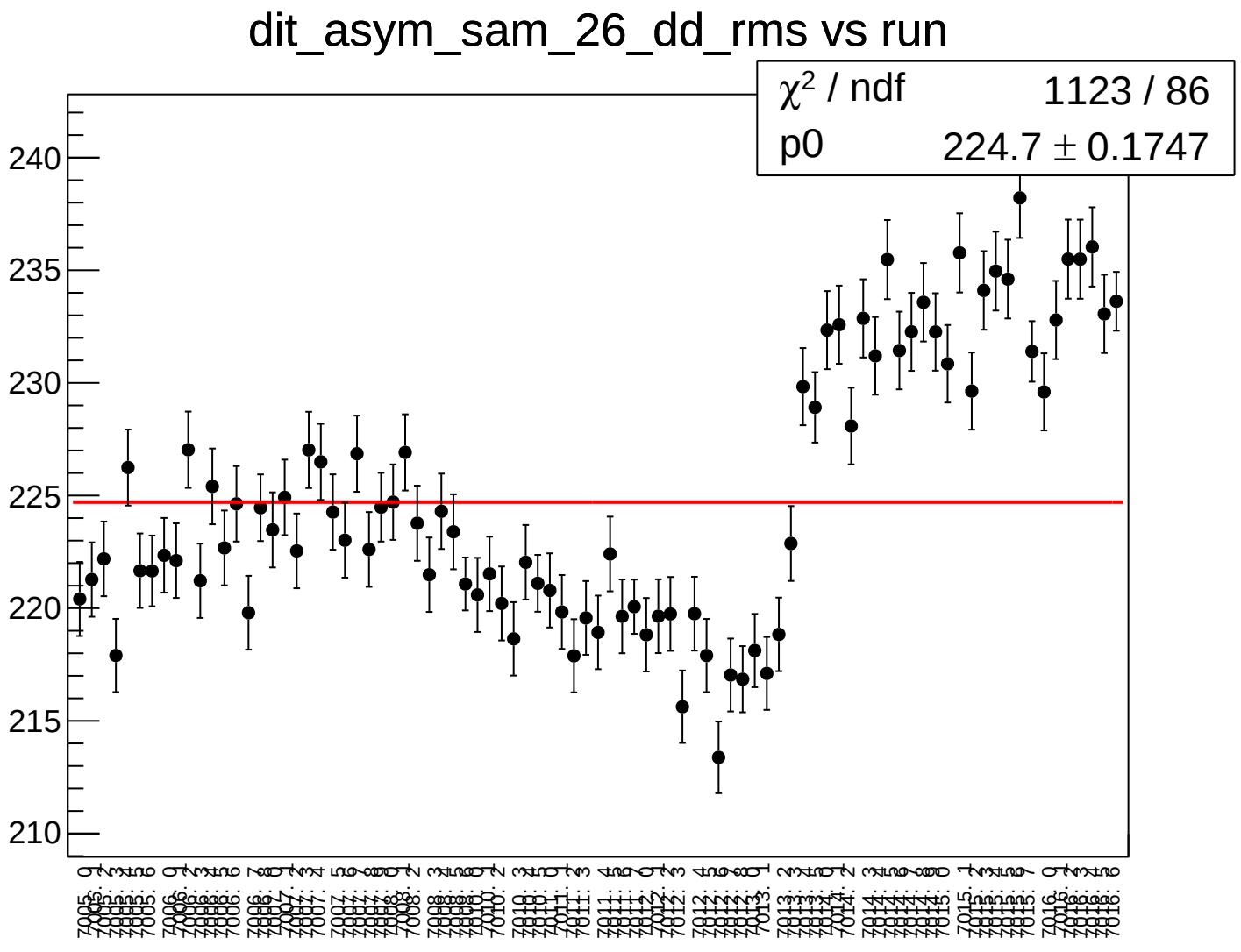

asym_sam_15_dd_mean vs run
χ² / ndf 93.07 / 86
p0 −294.6 ± 625.6
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −11.39
Std Dev 27.6
3
2
1
0
−1
−2

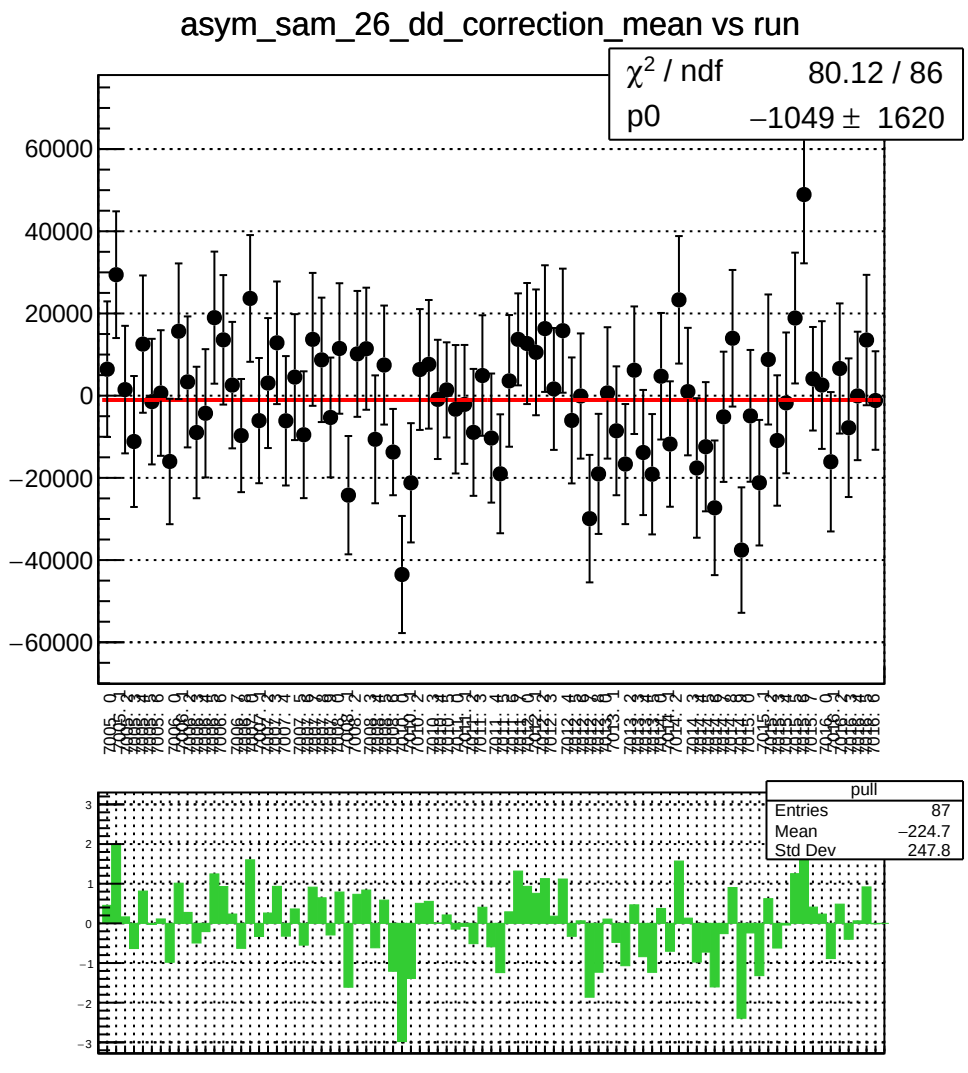

pull1D
Entries 87
Mean −0.02218
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

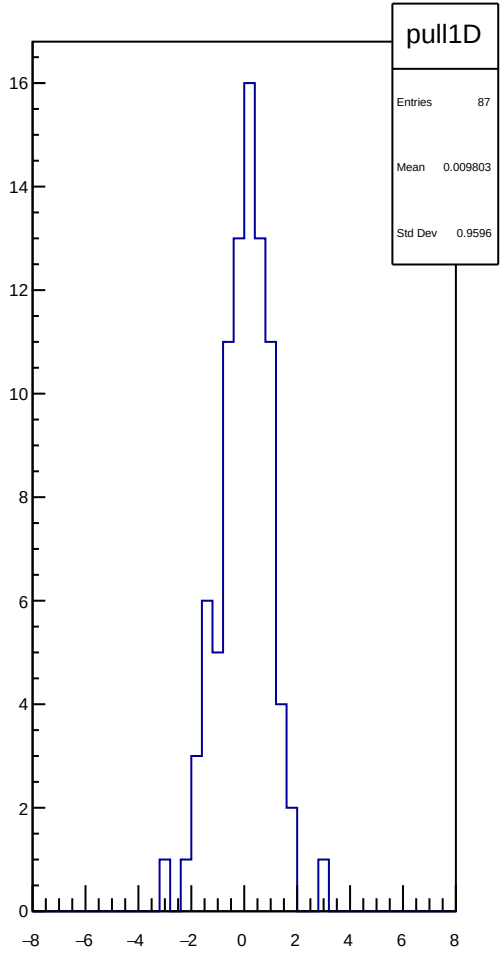

asym_sam_15_dd_rms vs run
χ² / ndf 5311 / 86
p0 568.3 ± 0.4424
640
620
600
580
560
540
520
500

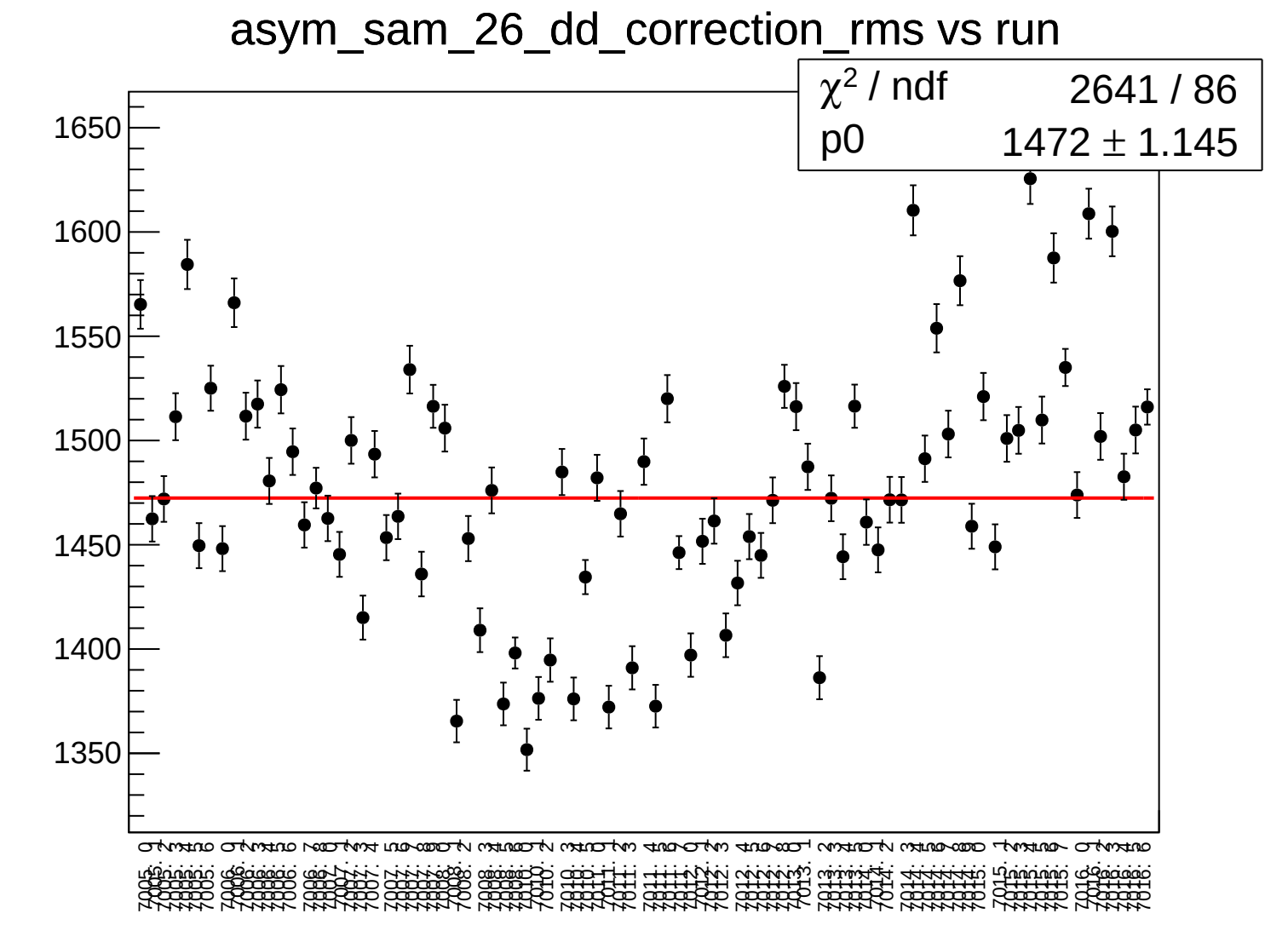

dit_asym_sam_26_dd_mean vs run
χ² / ndf 81.71 / 86
p0 −611 ± 247.1
pull
Entries 87
Mean 528.2
Std Dev 483.2

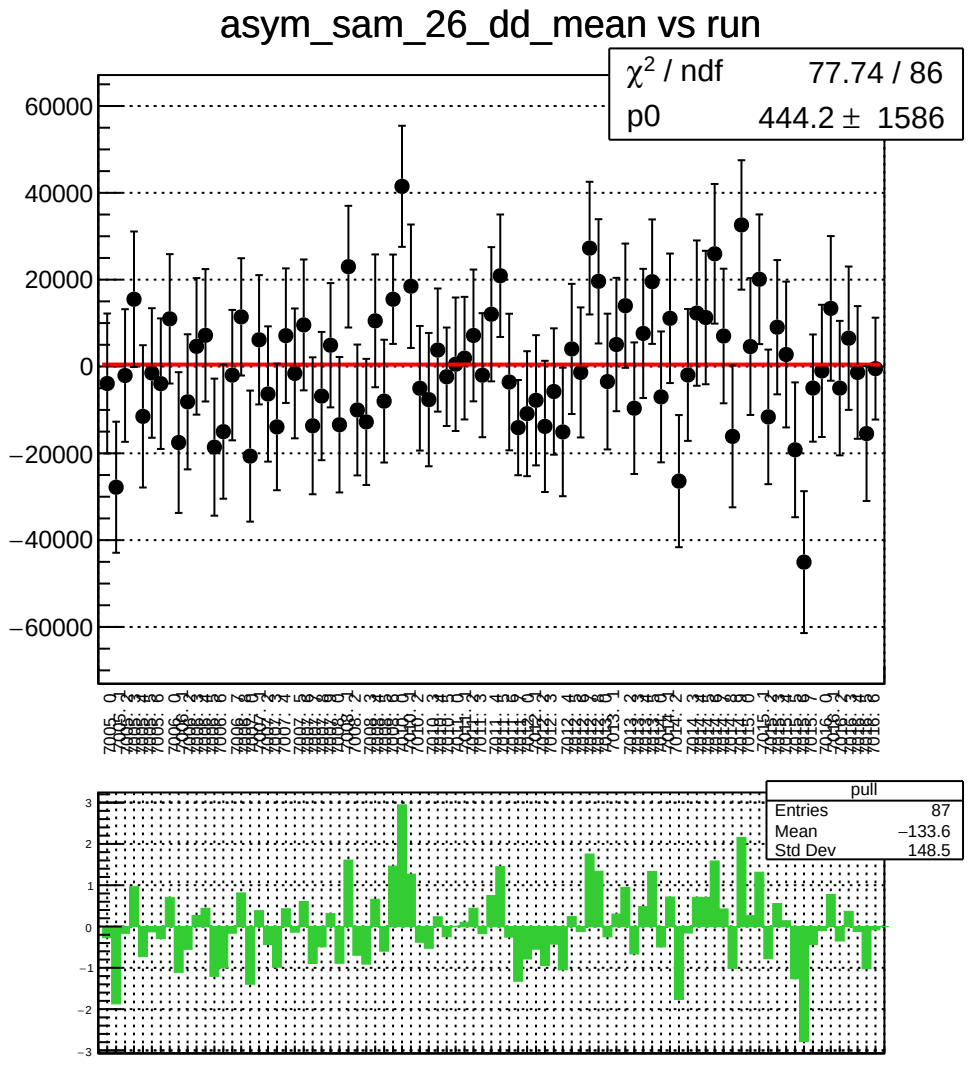

pull1D
Entries 87
Mean −0.008402
Std Dev 0.9691

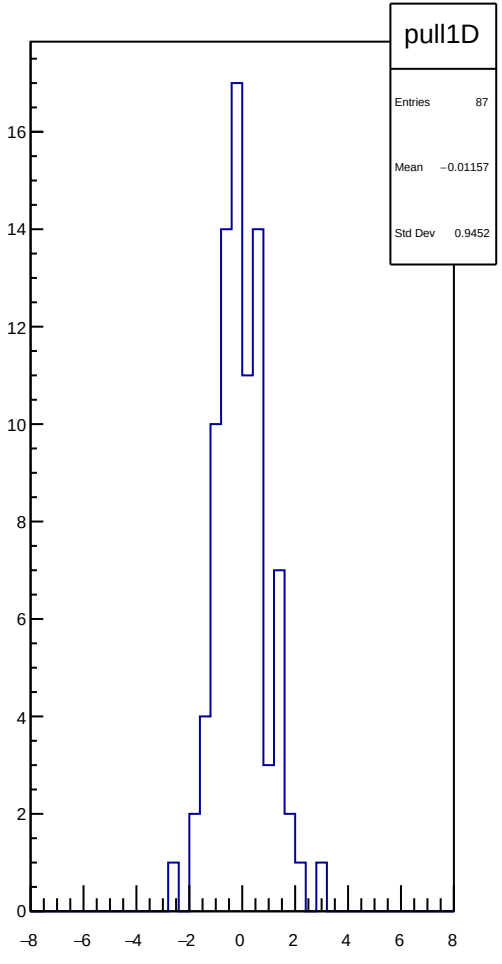

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1123 / 86
p0 224.7 ± 0.1747
240
235
230
225
220
215
210

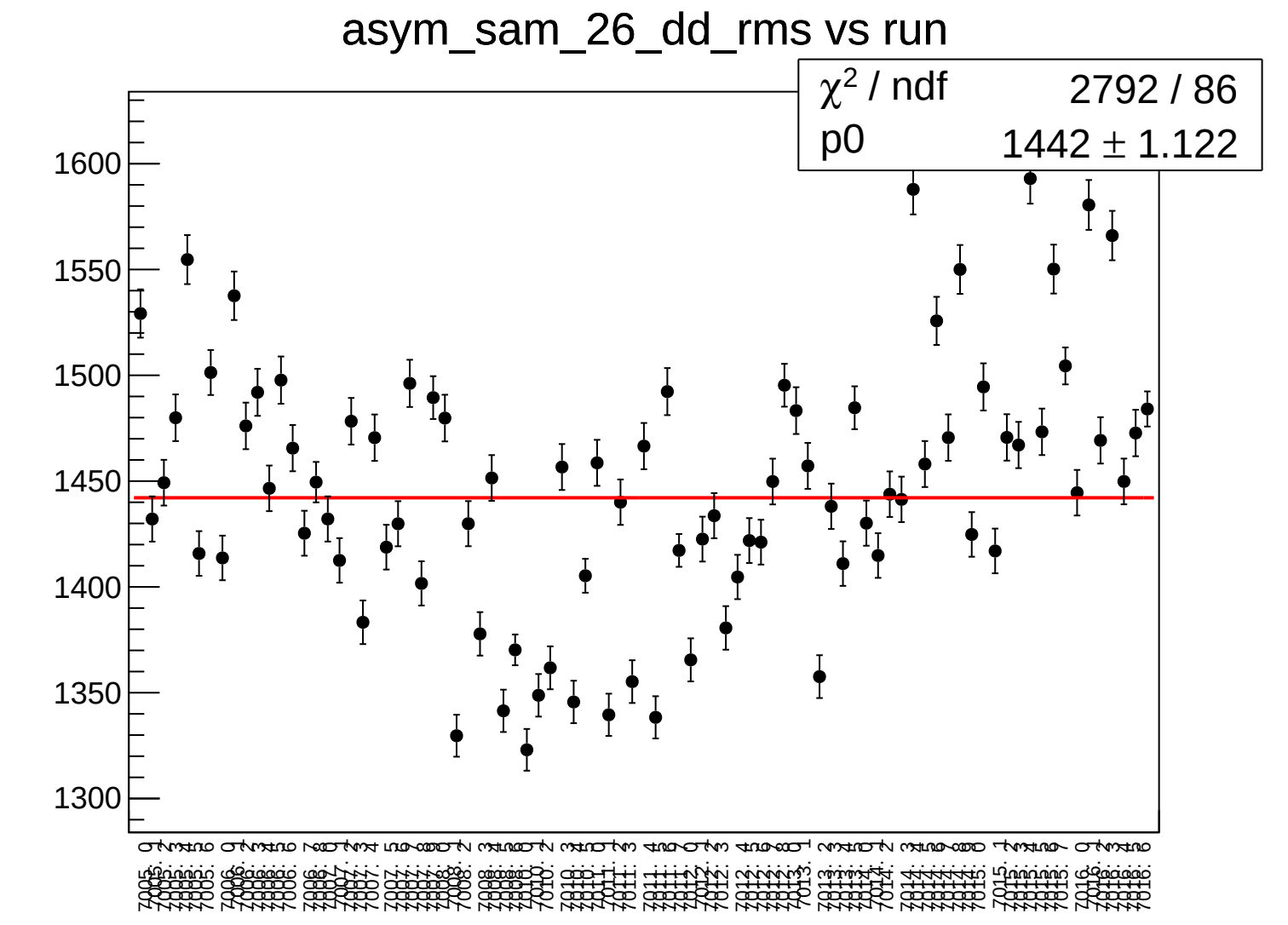

asym_sam_26_dd_correction_mean vs run
χ² / ndf 80.12 / 86
p0 −1049 ± 1620
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −224.7
Std Dev 247.8
3
2
1
0
−1
−2
−3

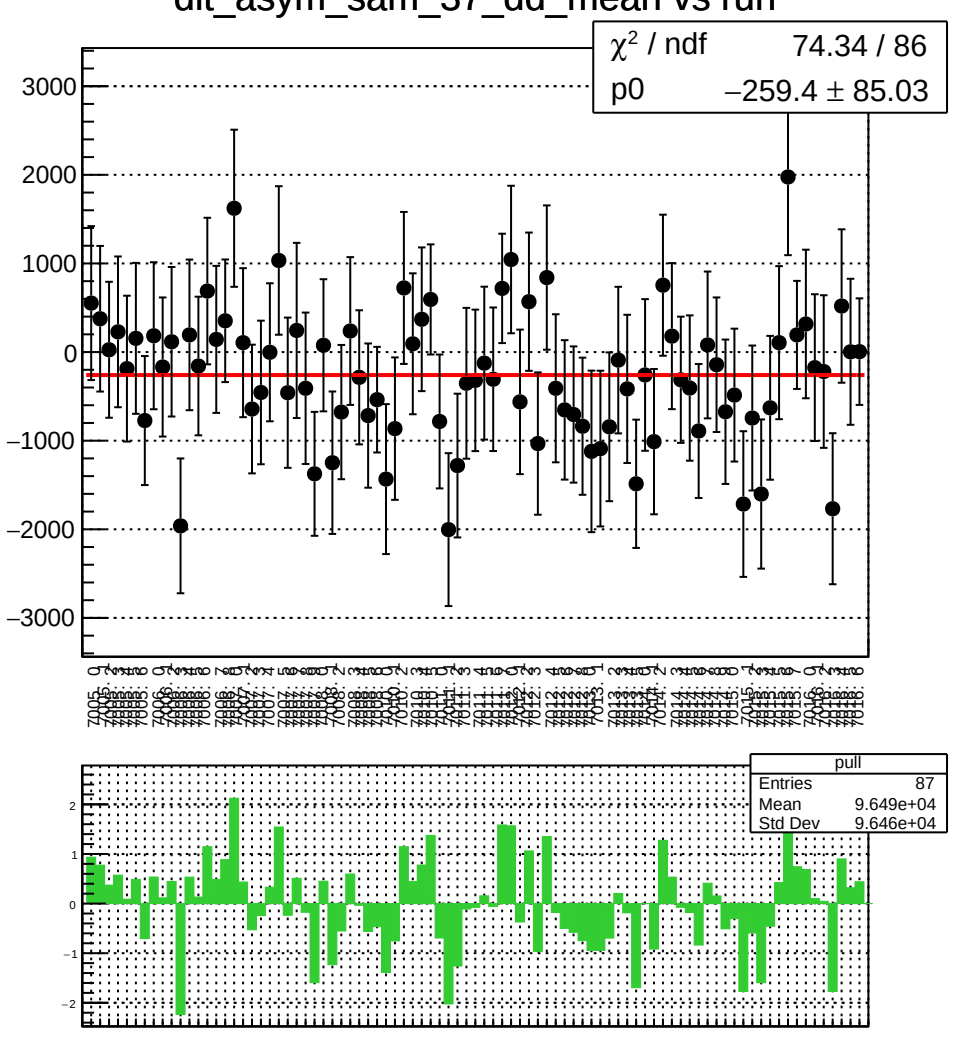

pull1D
Entries 87
Mean 0.009803
Std Dev 0.9596
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

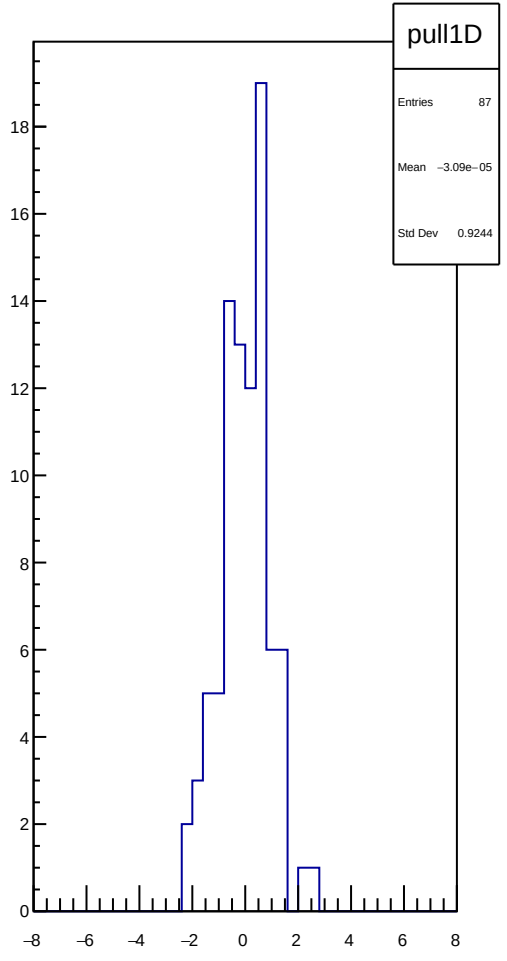

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2641 / 86
p0 1472 ± 1.145
1650
1600
1550
1500
1450
1400
1350

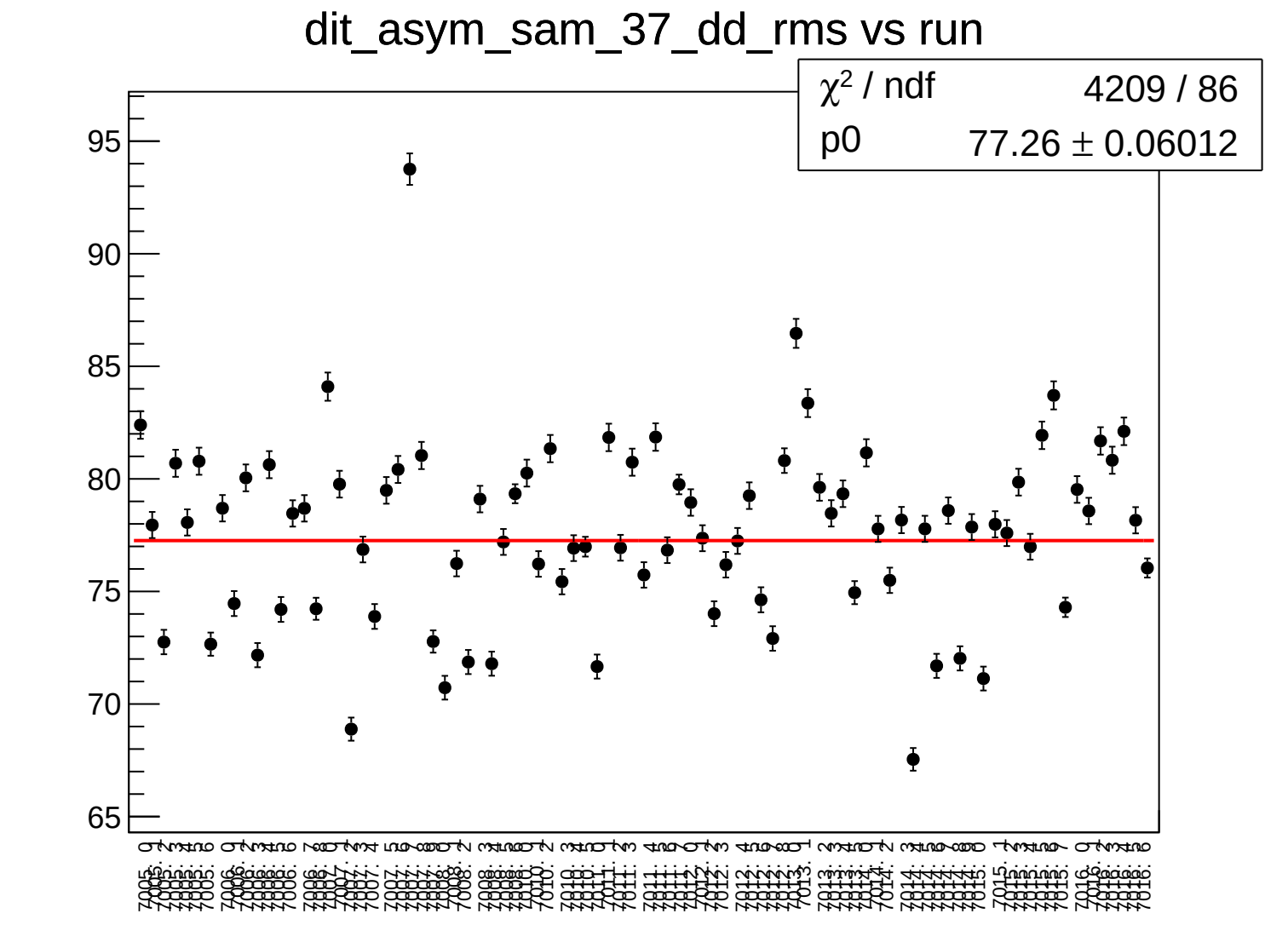

asym_sam_26_dd_mean vs run
χ² / ndf 77.74 / 86
p0 444.2 ± 1586
pull
Entries 87
Mean −133.6
Std Dev 148.5

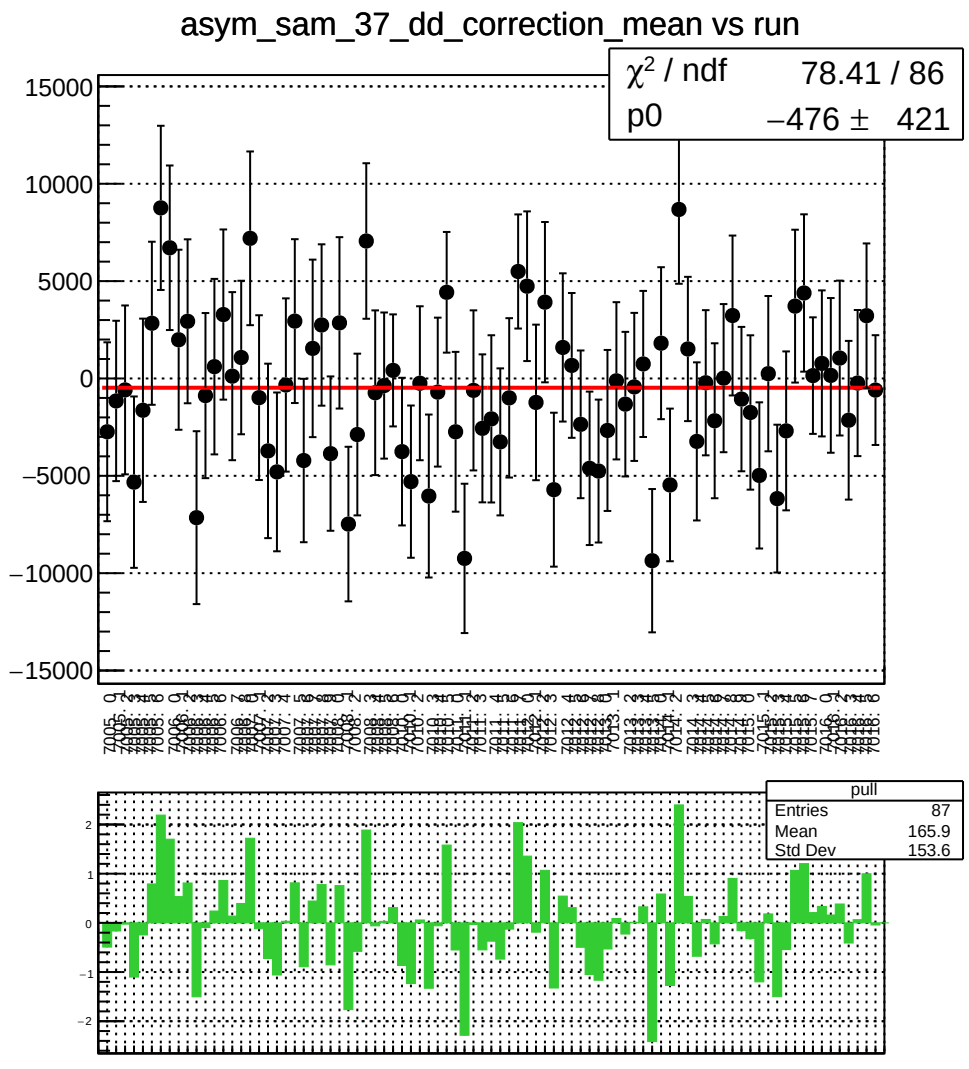

pull1D
Entries 87
Mean −0.01157
Std Dev 0.9452

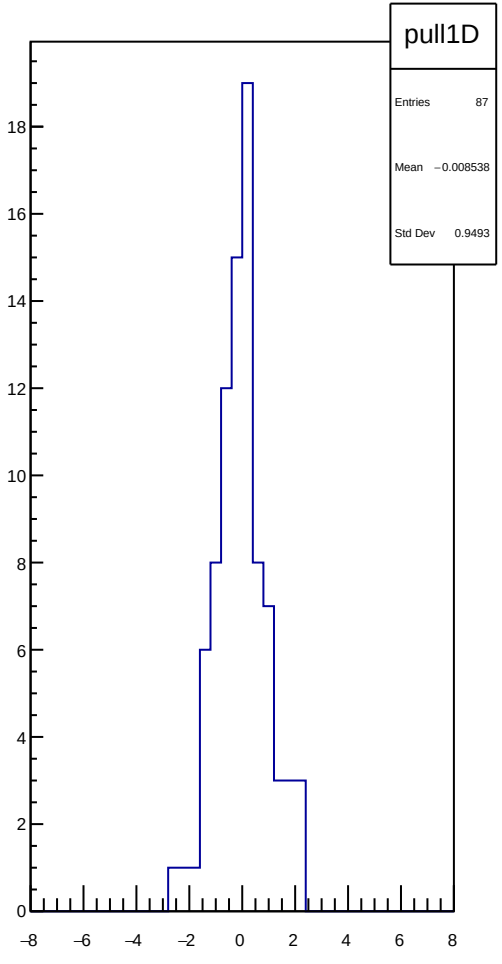

asym_sam_26_dd_rms vs run
χ² / ndf 2792 / 86
p0 1442 ± 1.122
1600
1550
1500
1450
1400
1350
1300

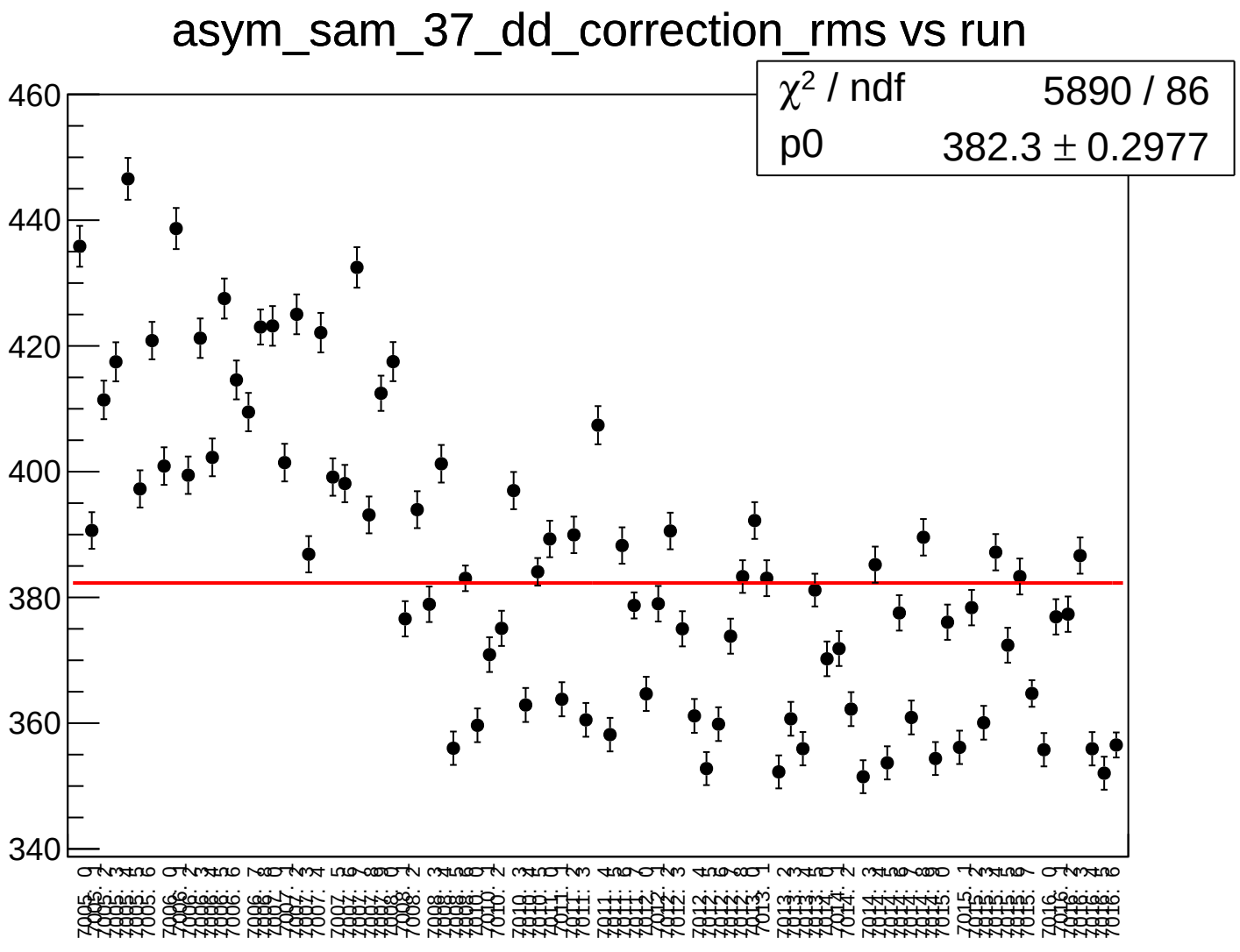

dit_asym_sam_37_dd_mean vs run
χ² / ndf 74.34 / 86
p0 −259.4 ± 85.03
pull
Entries 87
Mean 9.649e+04
Std Dev 9.646e+04

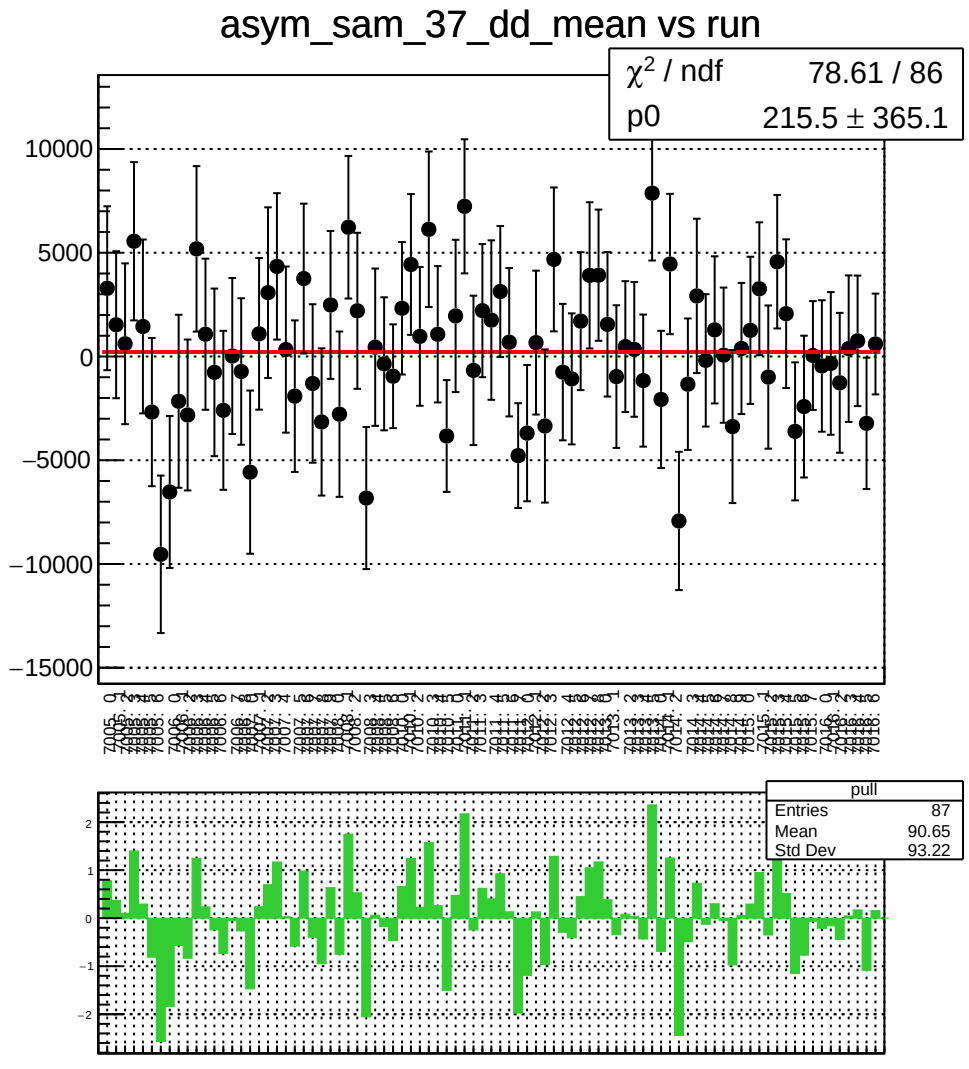

pull1D
Entries 87
Mean −3.09e−05
Std Dev 0.9244

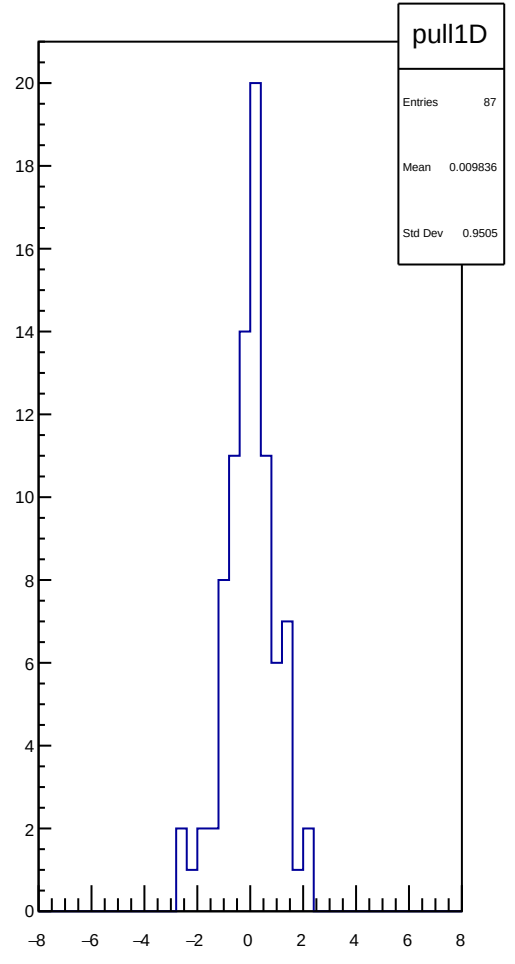

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 4209 / 86
p0 77.26 ± 0.06012
95
90
85
80
75
70
65

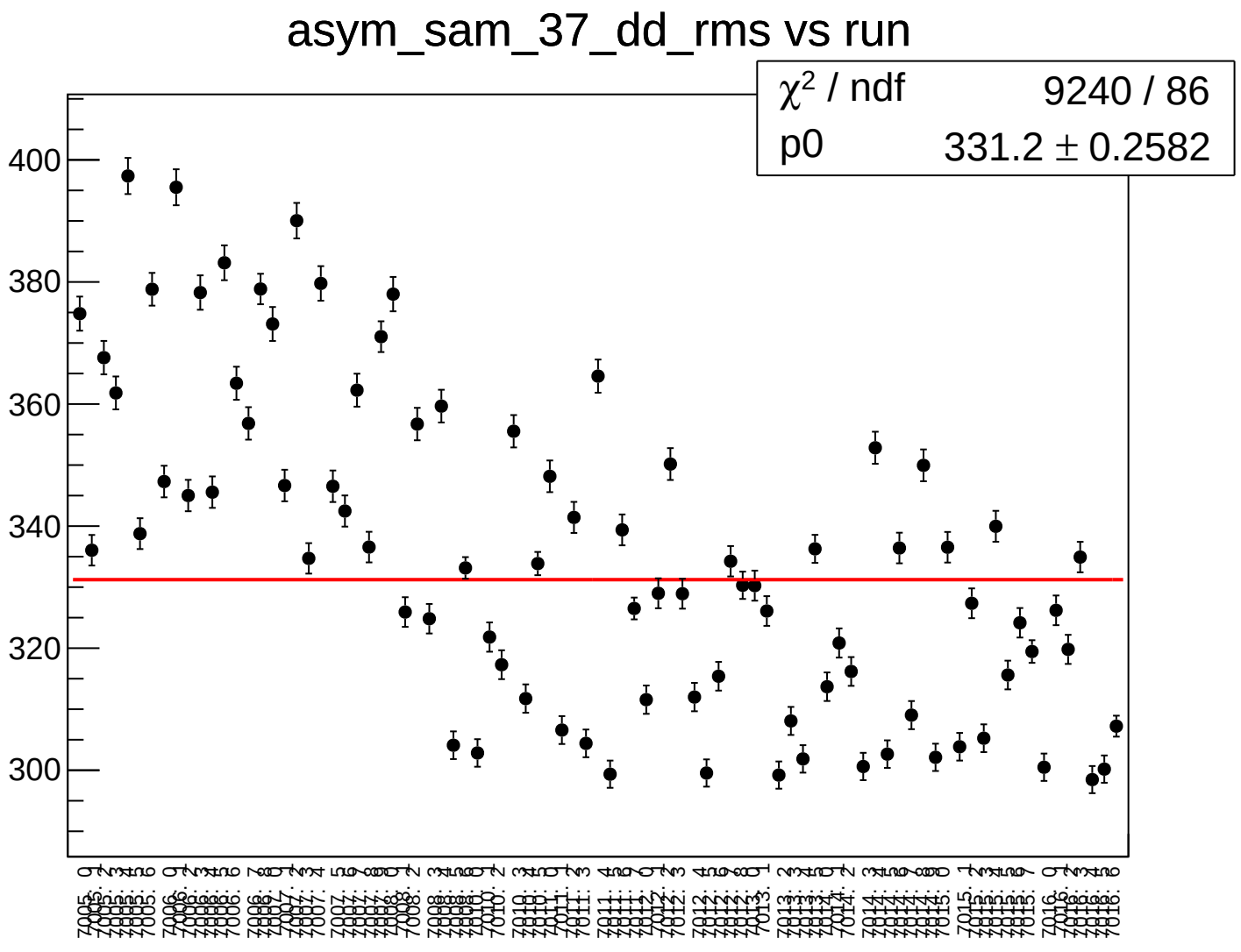

asym_sam_37_dd_correction_mean vs run
χ² / ndf 78.41 / 86
p0 −476 ± 421
pull
Entries 87
Mean 165.9
Std Dev 153.6

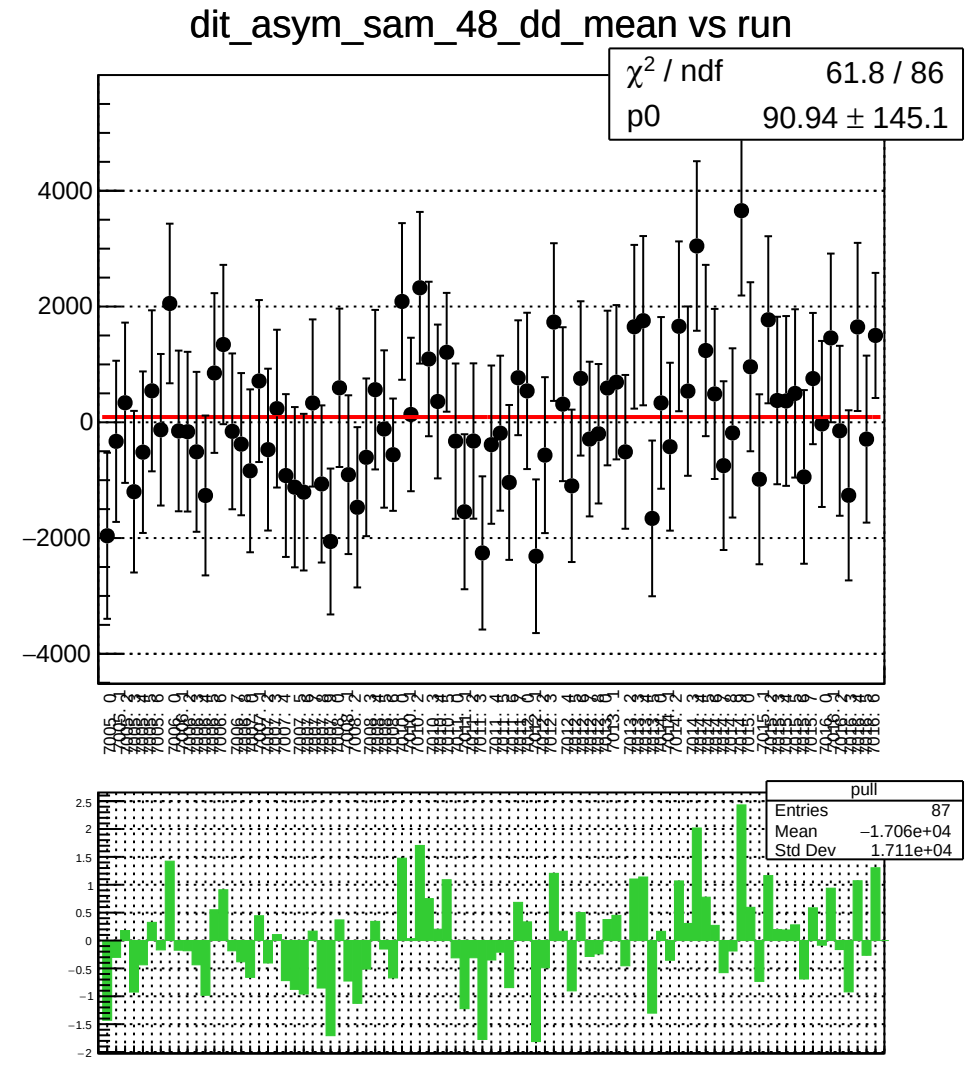

pull1D
Entries 87
Mean −0.008538
Std Dev 0.9493

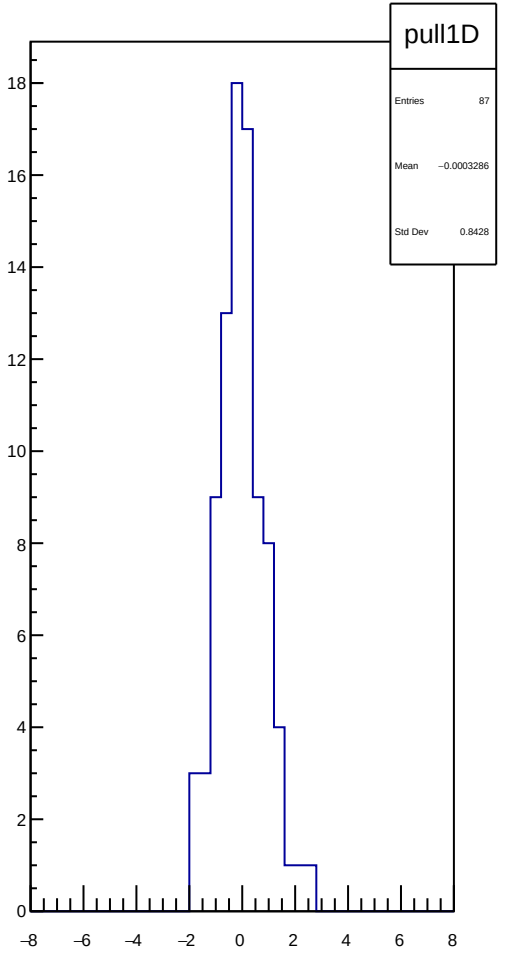

asym_sam_37_dd_correction_rms vs run
χ² / ndf 5890 / 86
p0 382.3 ± 0.2977
460
440
420
400
380
360
340

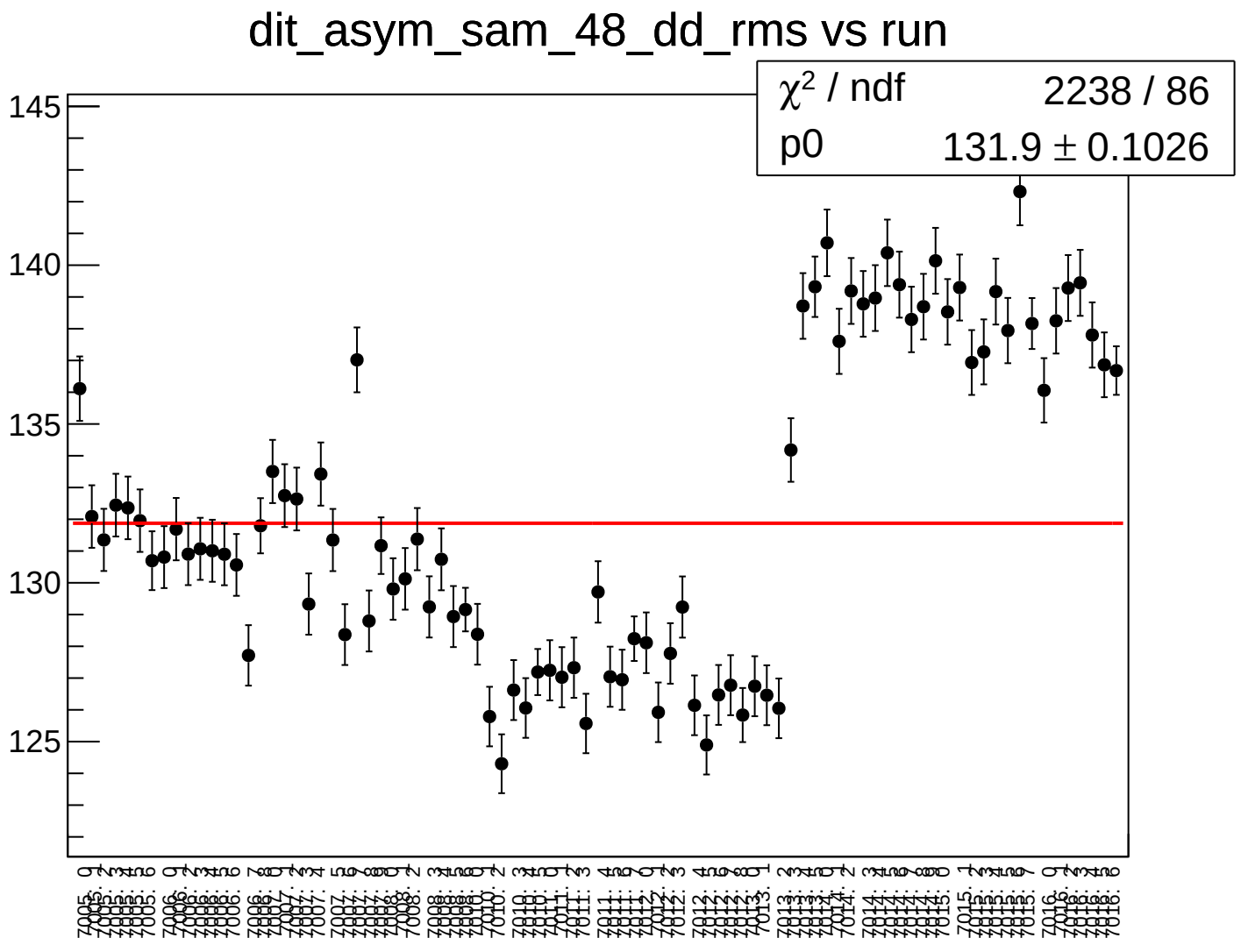

asym_sam_37_dd_mean vs run
χ² / ndf 78.61 / 86
p0 215.5 ± 365.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 90.65
Std Dev 93.22
2
1
0
−1
−2

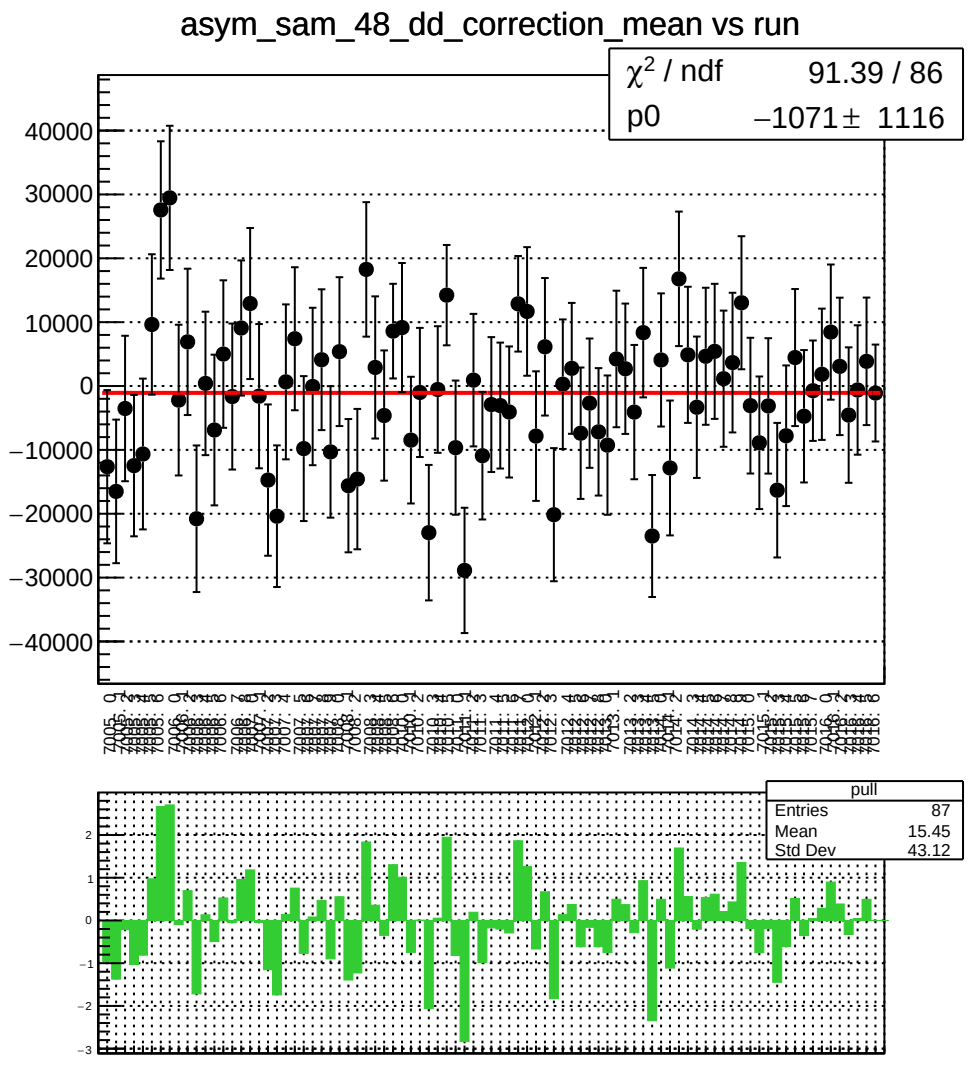

pull1D
Entries 87
Mean 0.009836
Std Dev 0.9505
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

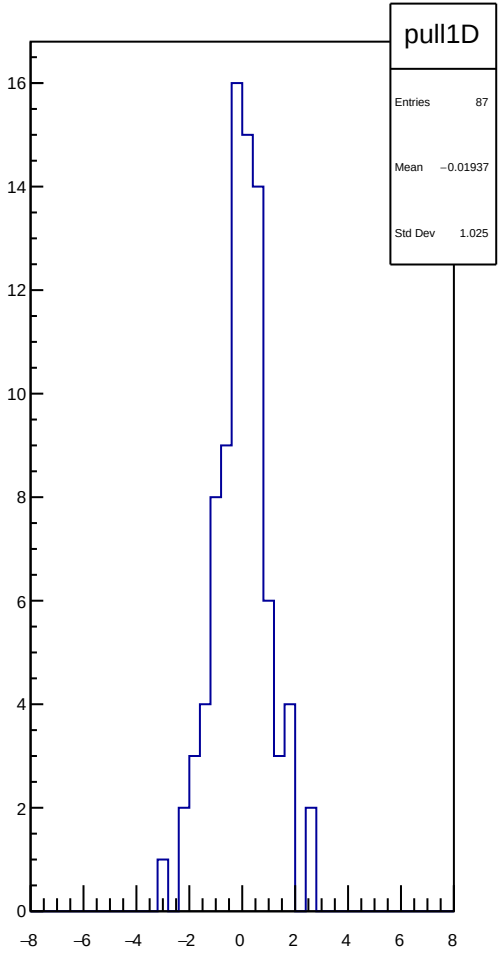

asym_sam_37_dd_rms vs run
χ² / ndf 9240 / 86
p0 331.2 ± 0.2582
400
380
360
340
320
300

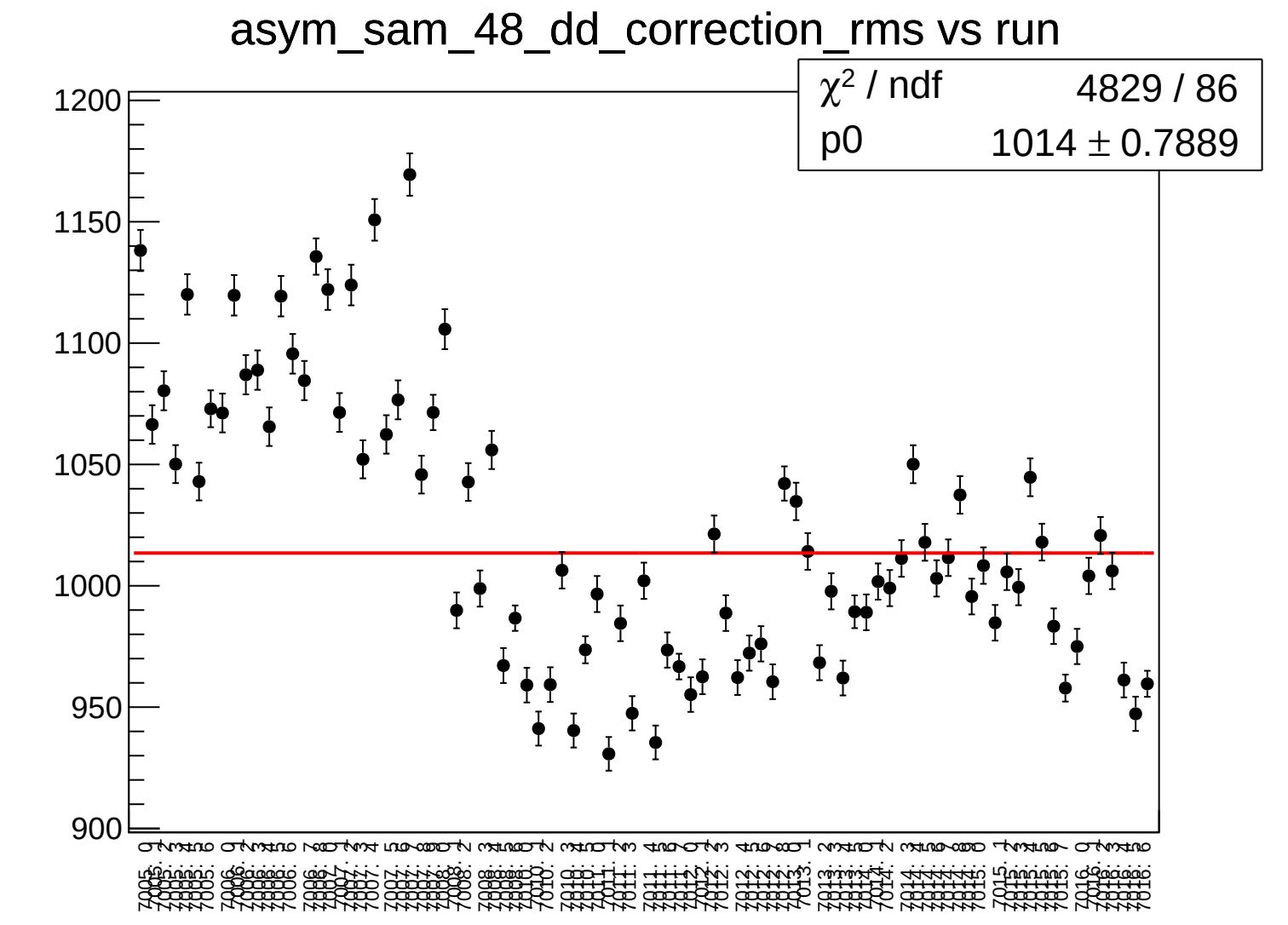

dit_asym_sam_48_dd_mean vs run
χ² / ndf 61.8 / 86
p0 90.94 ± 145.1
4000
2000
0
−2000
−4000
pull
Entries 87
Mean −1.706e+04
Std Dev 1.711e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

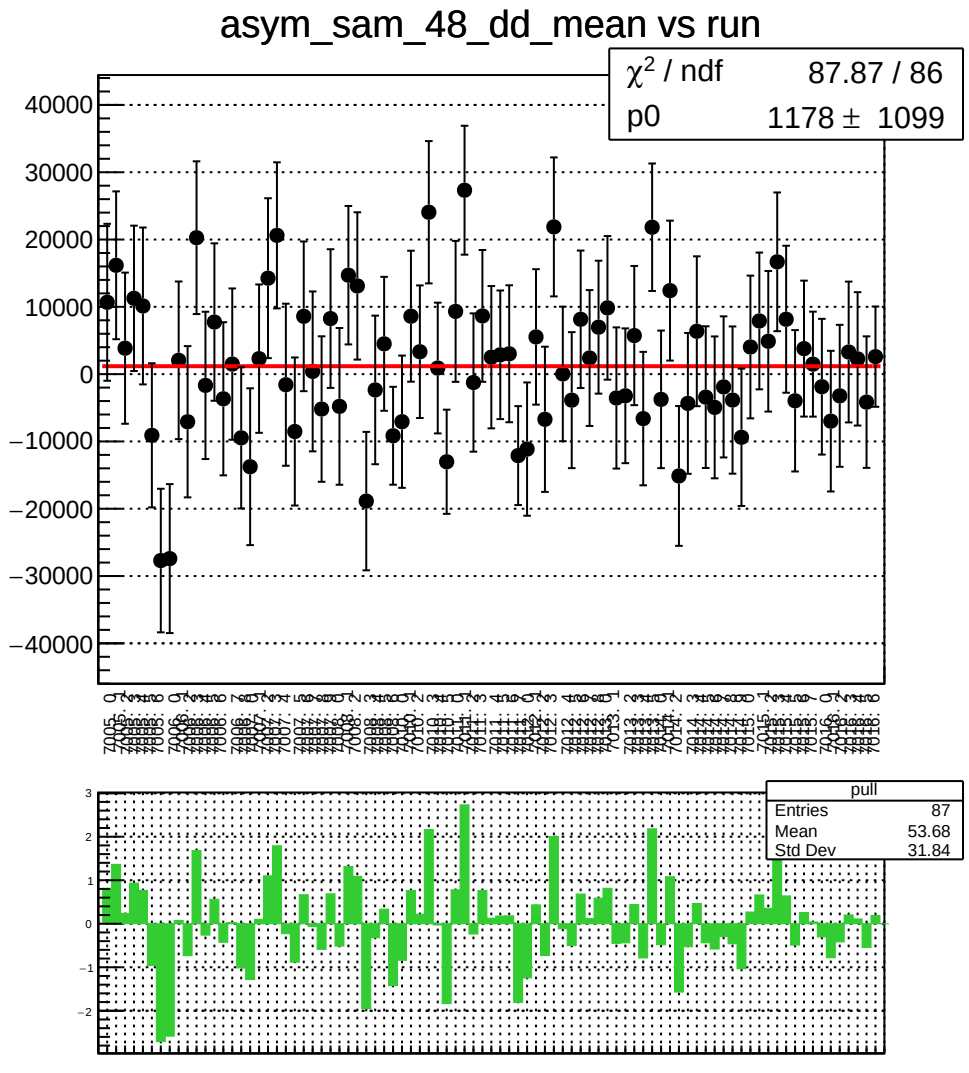

pull1D
Entries 87
Mean −0.0003286
Std Dev 0.8428
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

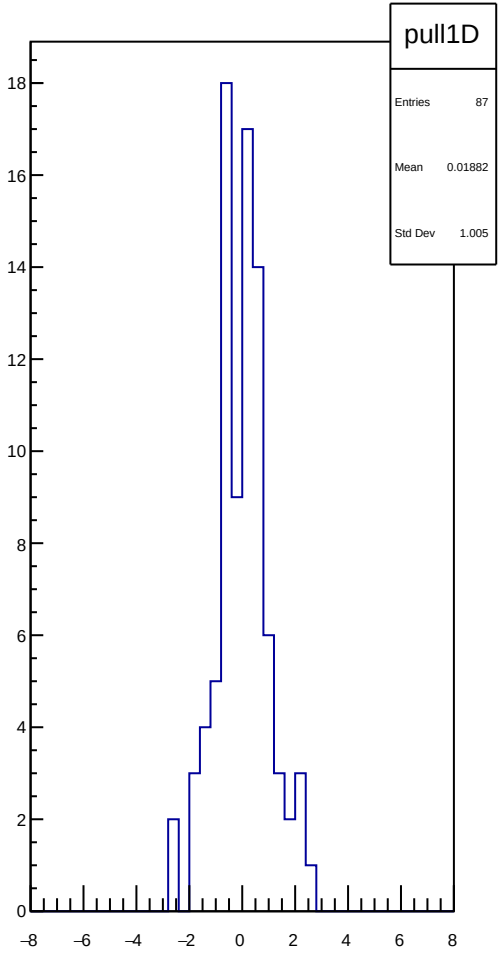

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2238 / 86
p0 131.9 ± 0.1026
145
140
135
130
125

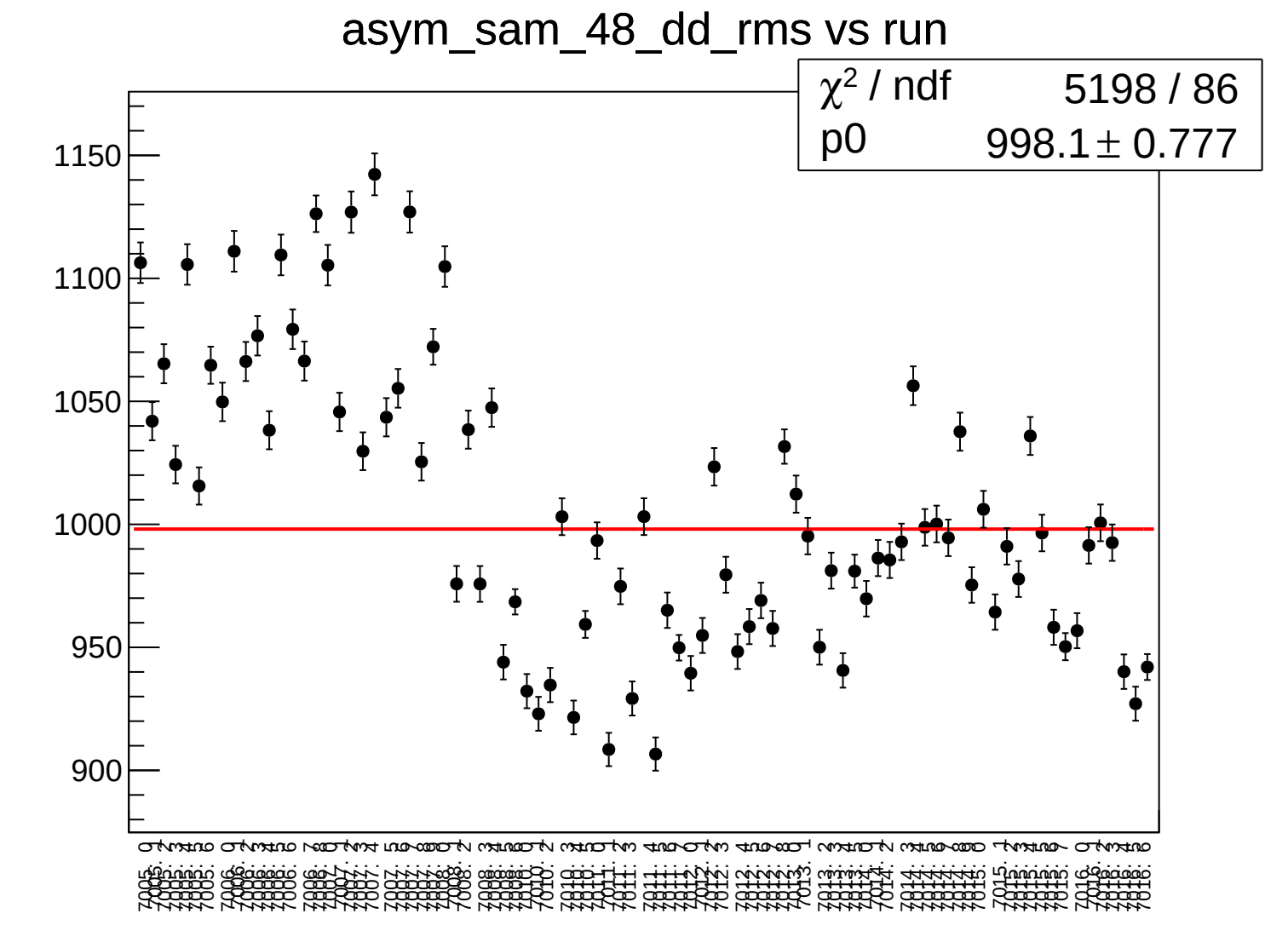

asym_sam_48_dd_correction_mean vs run
χ² / ndf 91.39 / 86
p0 −1071 ± 1116
pull
Entries 87
Mean 15.45
Std Dev 43.12

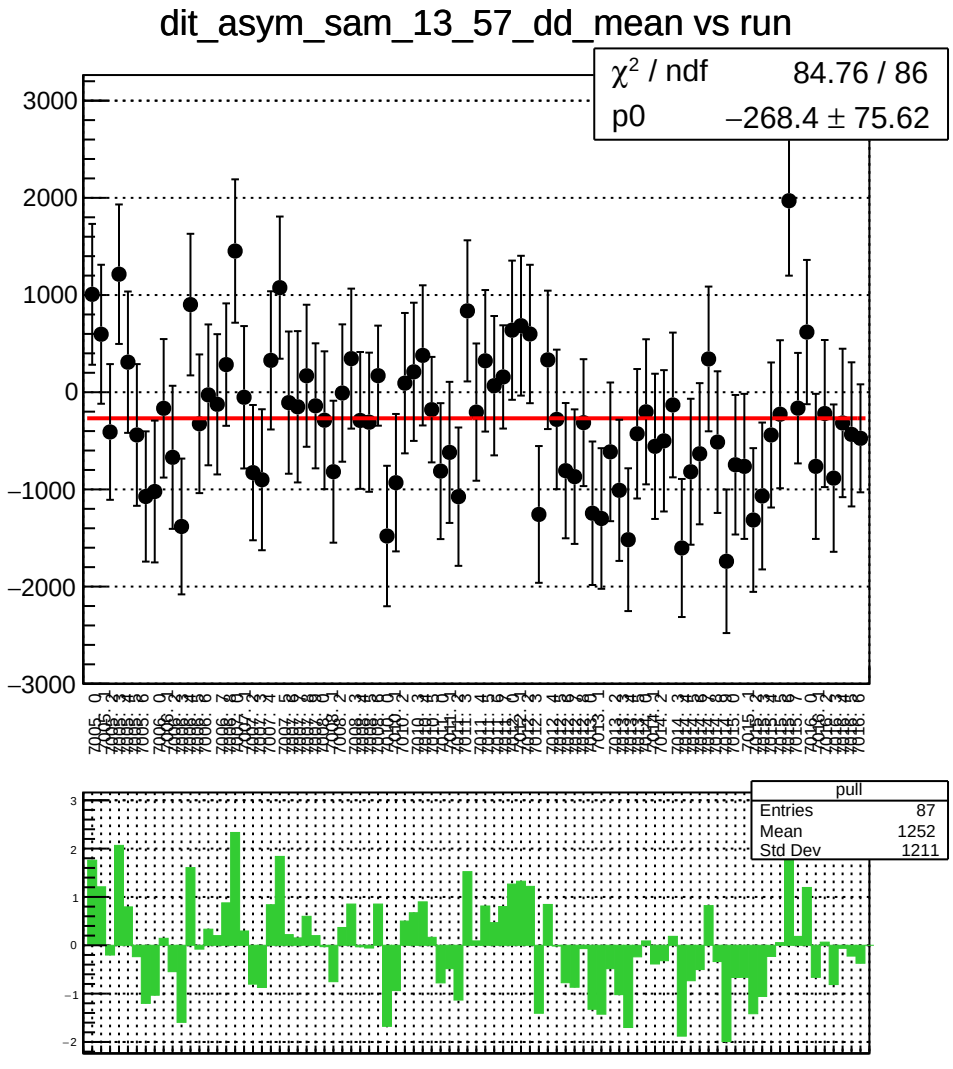

pull1D
Entries 87
Mean −0.01937
Std Dev 1.025

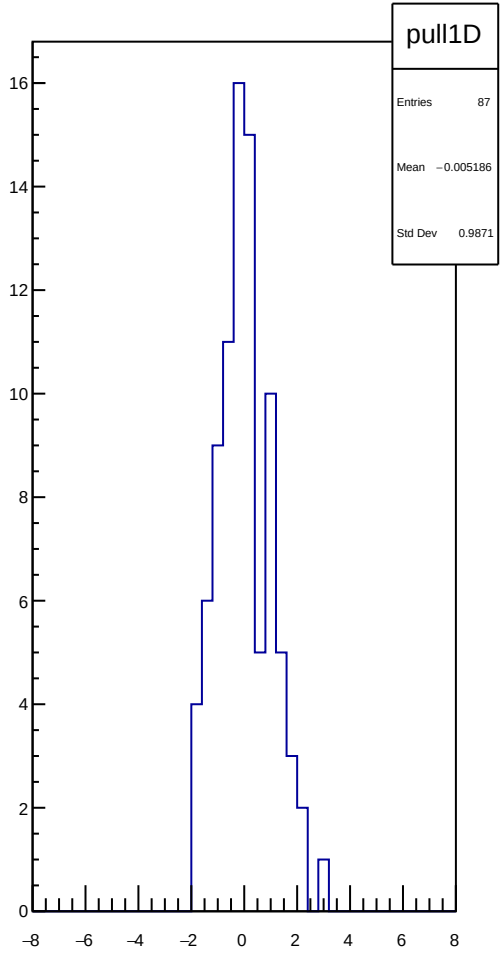

asym_sam_48_dd_correction_rms vs run
χ² / ndf 4829 / 86
p0 1014 ± 0.7889
1200
1150
1100
1050
1000
950
900

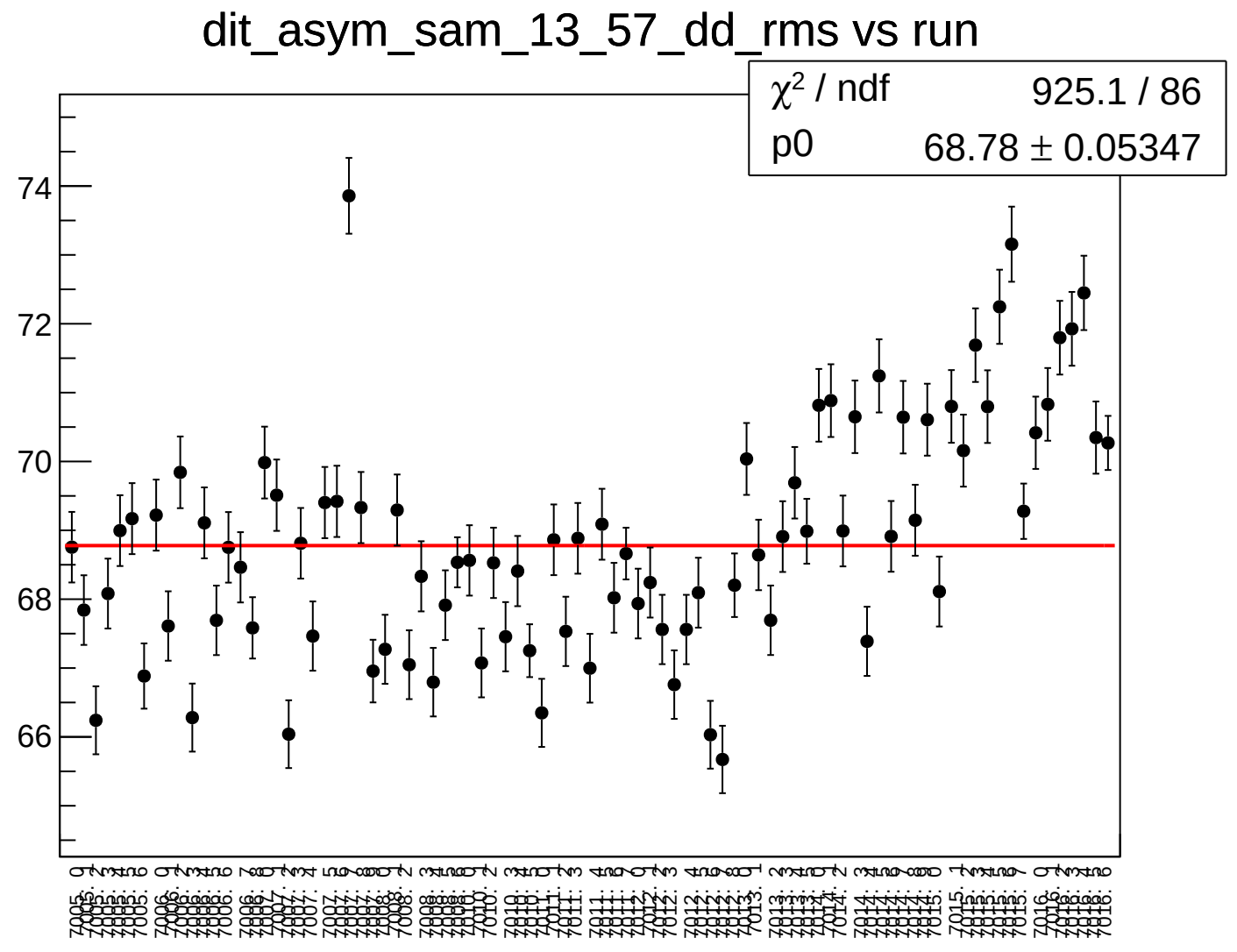

asym_sam_48_dd_mean vs run
χ^2 / ndf 87.87 / 86
p0 1178 ± 1099
pull
Entries 87
Mean 53.68
Std Dev 31.84

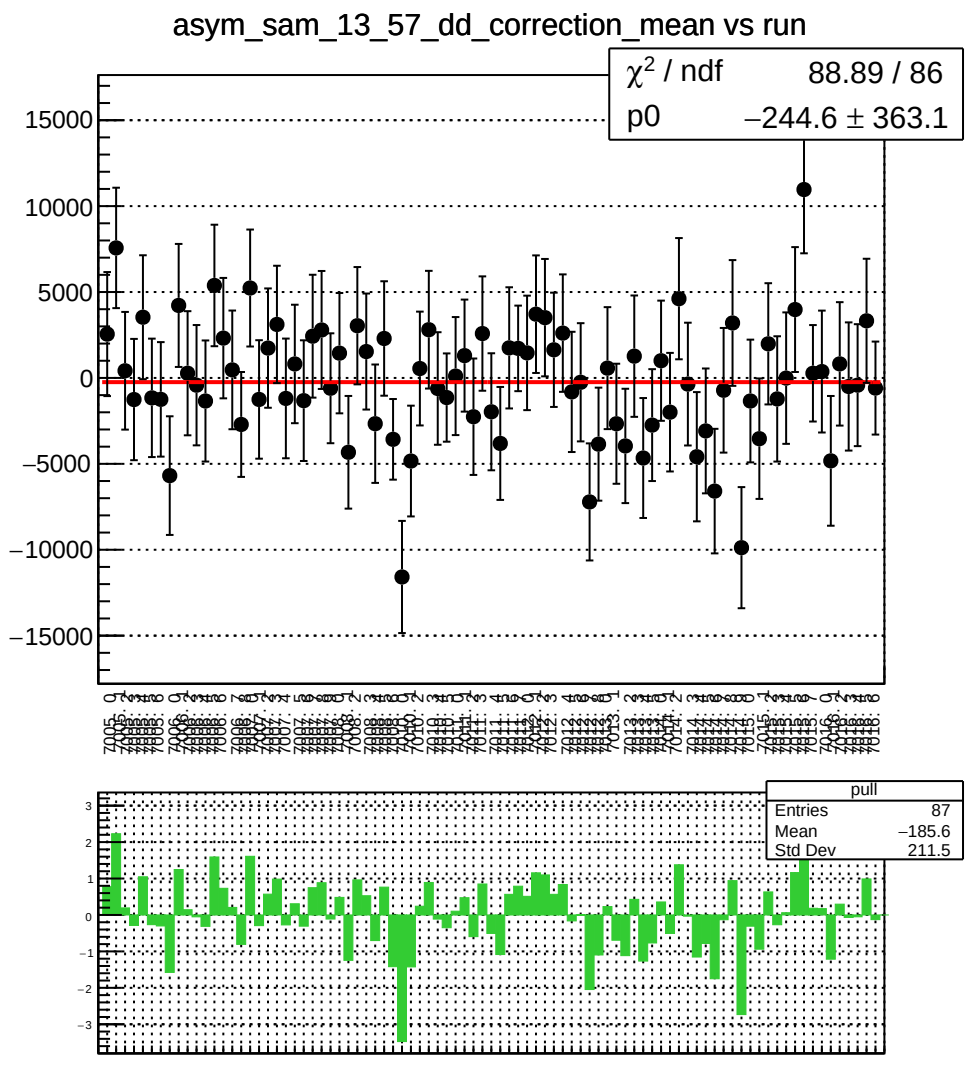

pull1D
Entries 87
Mean 0.01882
Std Dev 1.005

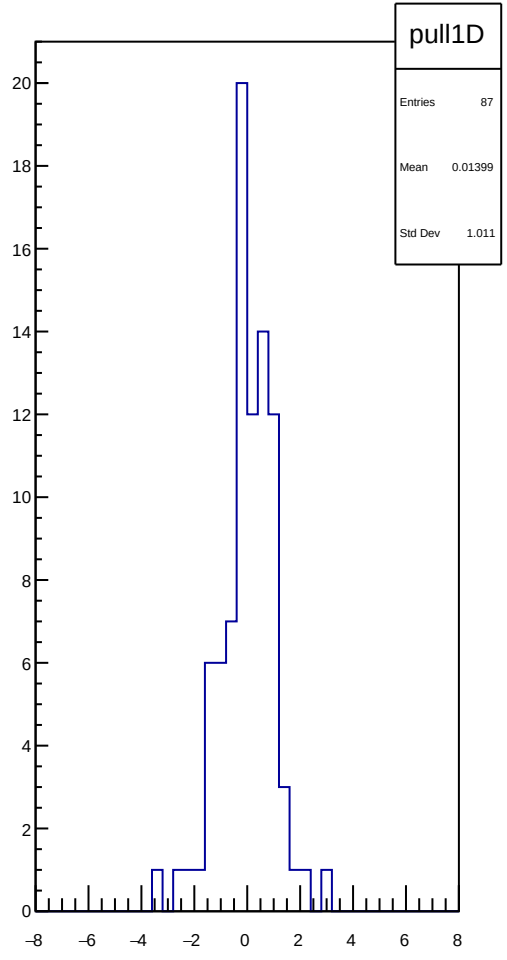

asym_sam_48_dd_rms vs run
χ² / ndf 5198 / 86
p0 998.1 ± 0.777
1150
1100
1050
1000
950
900

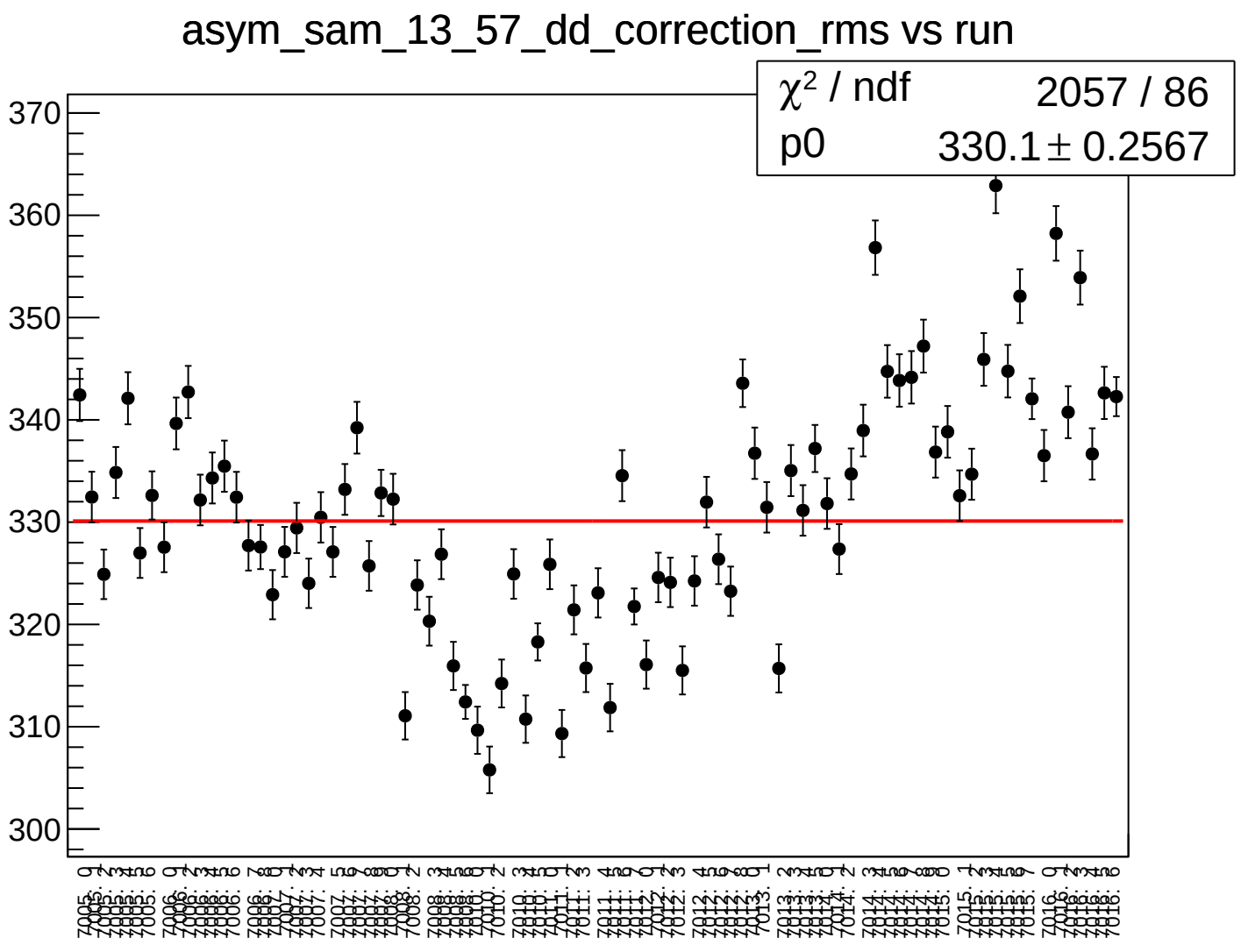

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 84.76 / 86
p0 −268.4 ± 75.62
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 1252
Std Dev 1211
3
2
1
0
−1
−2

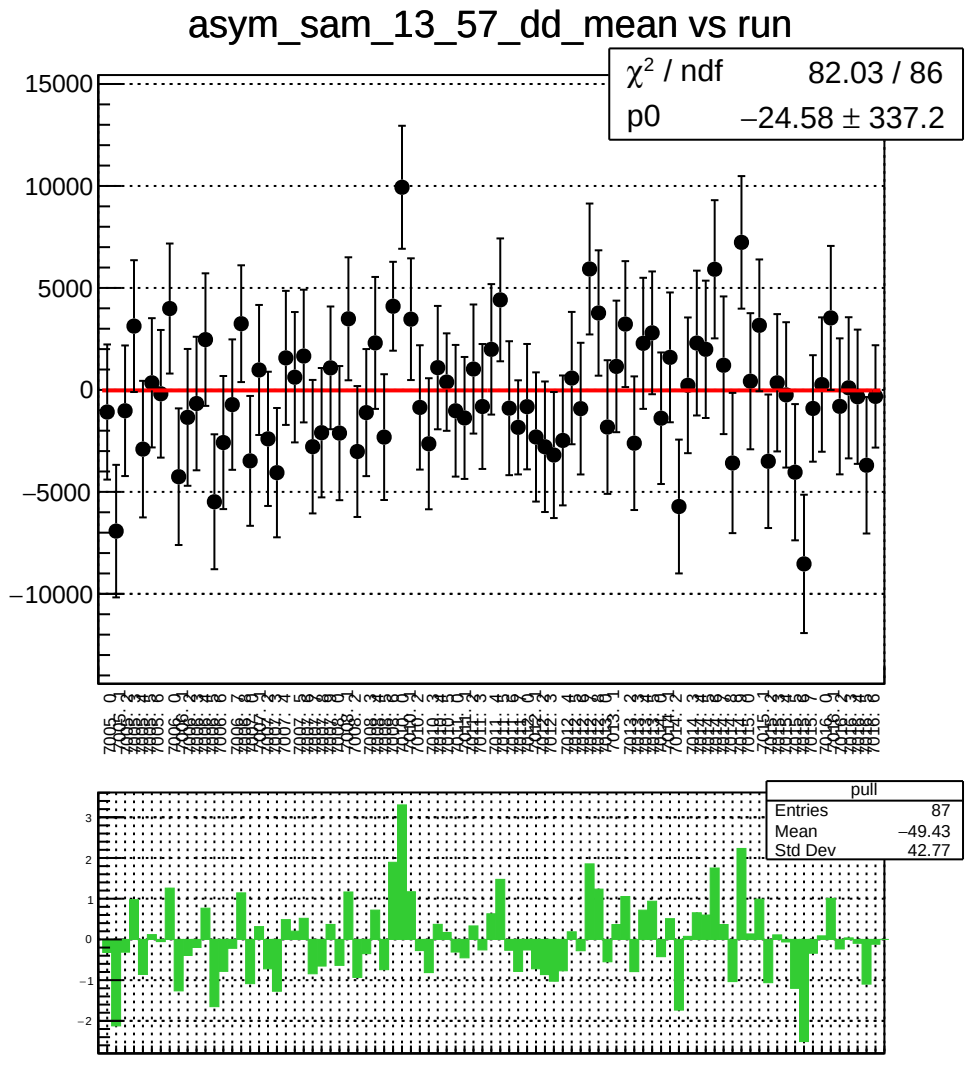

pull1D
Entries 87
Mean −0.005186
Std Dev 0.9871
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

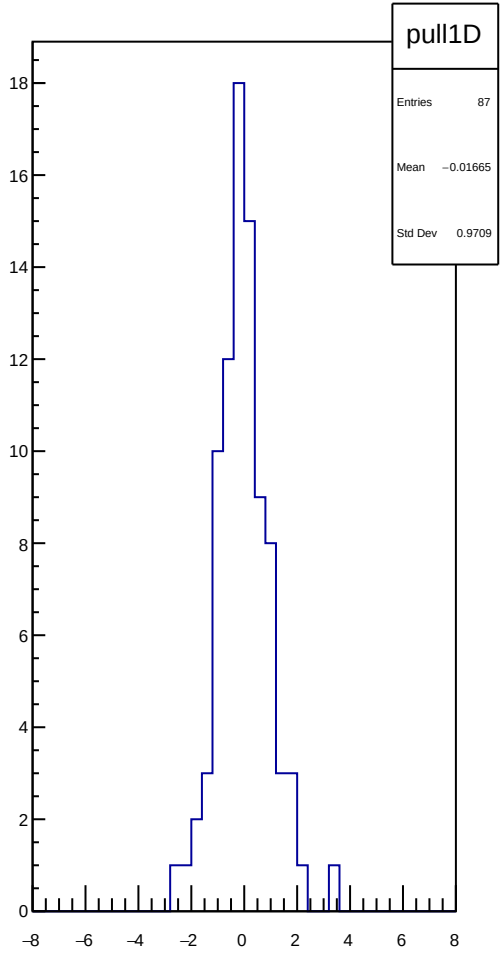

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 925.1 / 86
p0 68.78 ± 0.05347
74
72
70
68
66

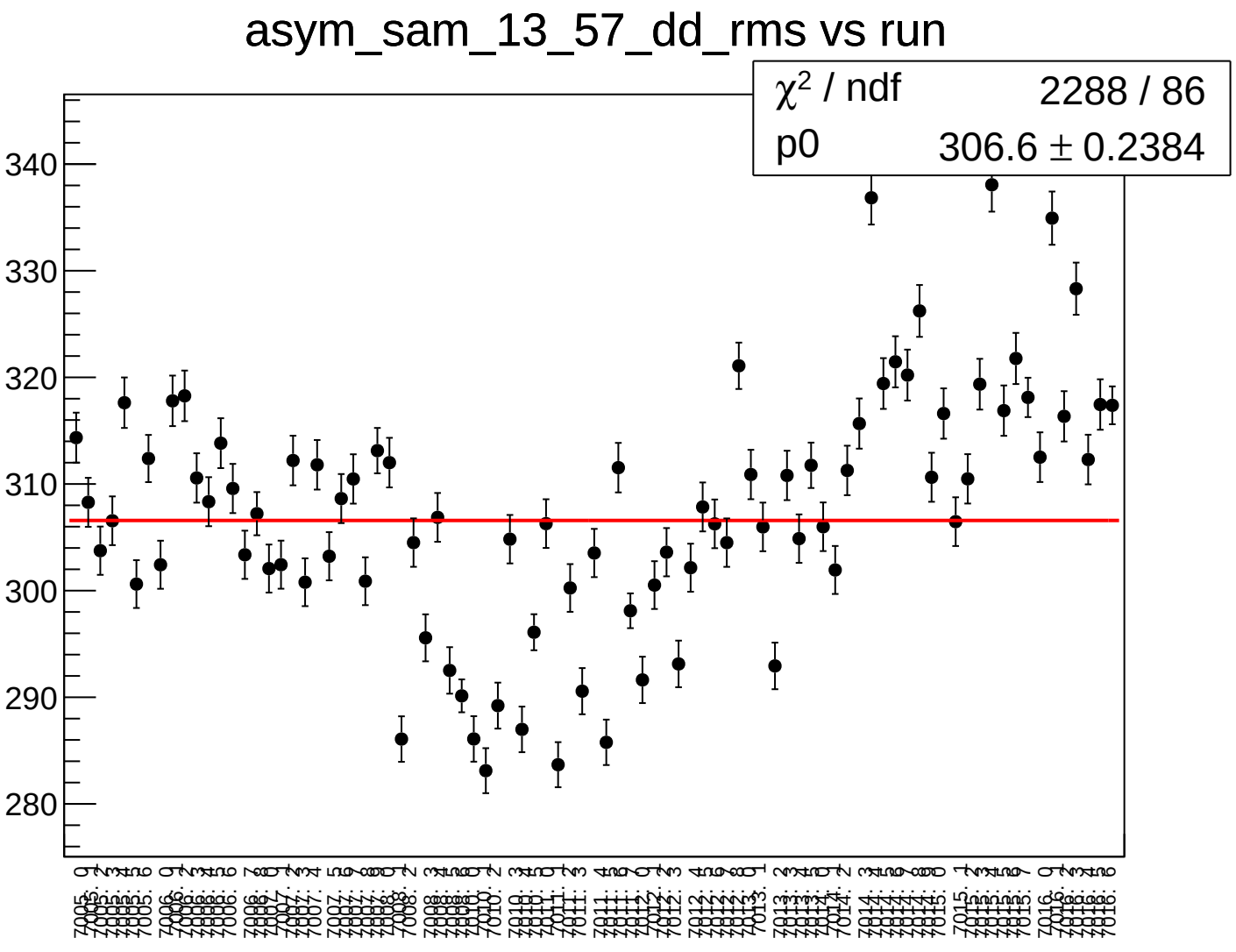

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 88.89 / 86
p0 −244.6 ± 363.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −185.6
Std Dev 211.5
3
2
1
0
−1
−2
−3

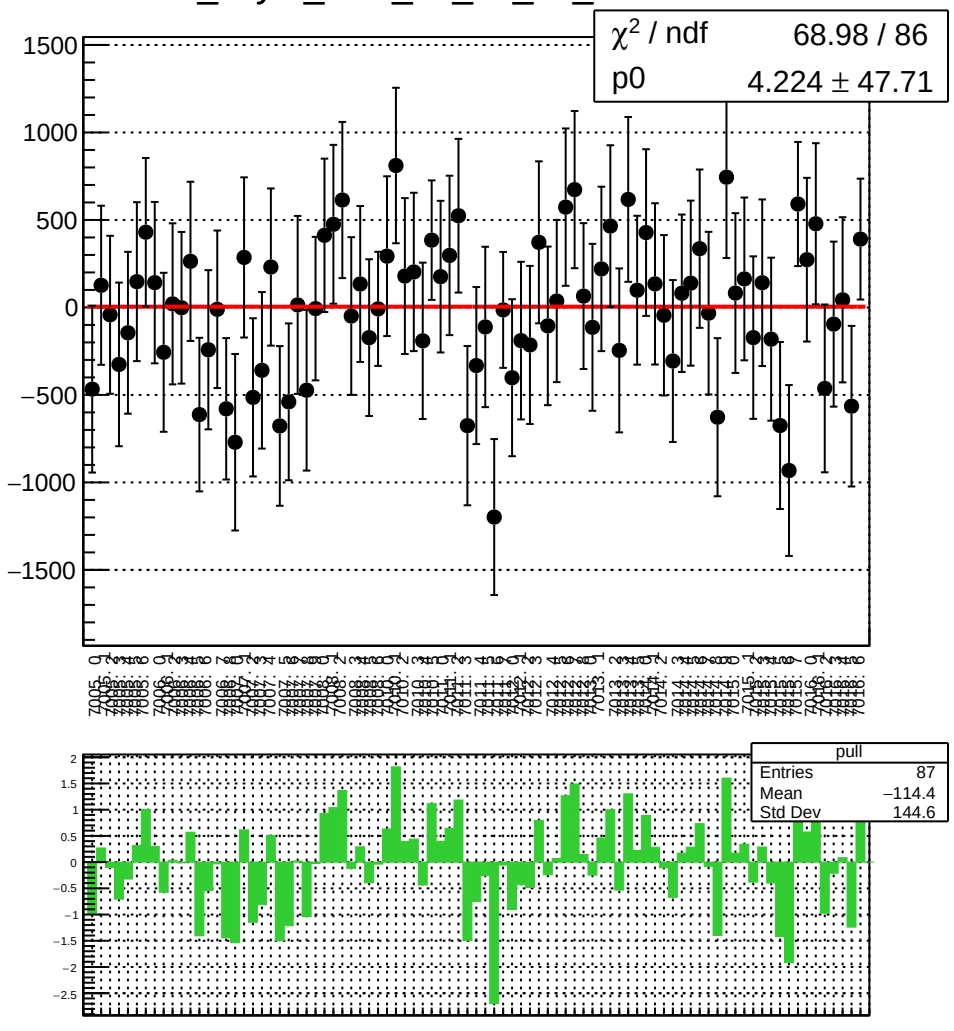

pull1D
Entries 87
Mean 0.01399
Std Dev 1.011
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

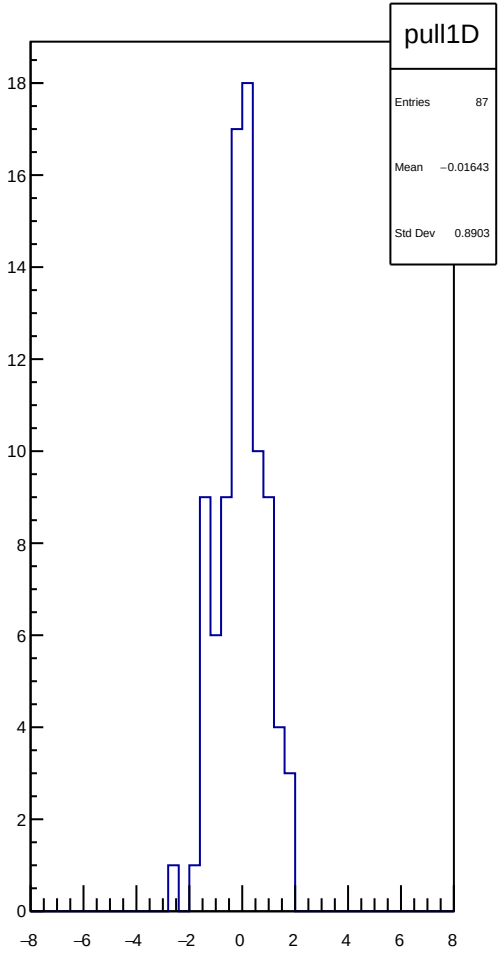

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2057 / 86
p0 330.1 ± 0.2567
370
360
350
340
330
320
310
300

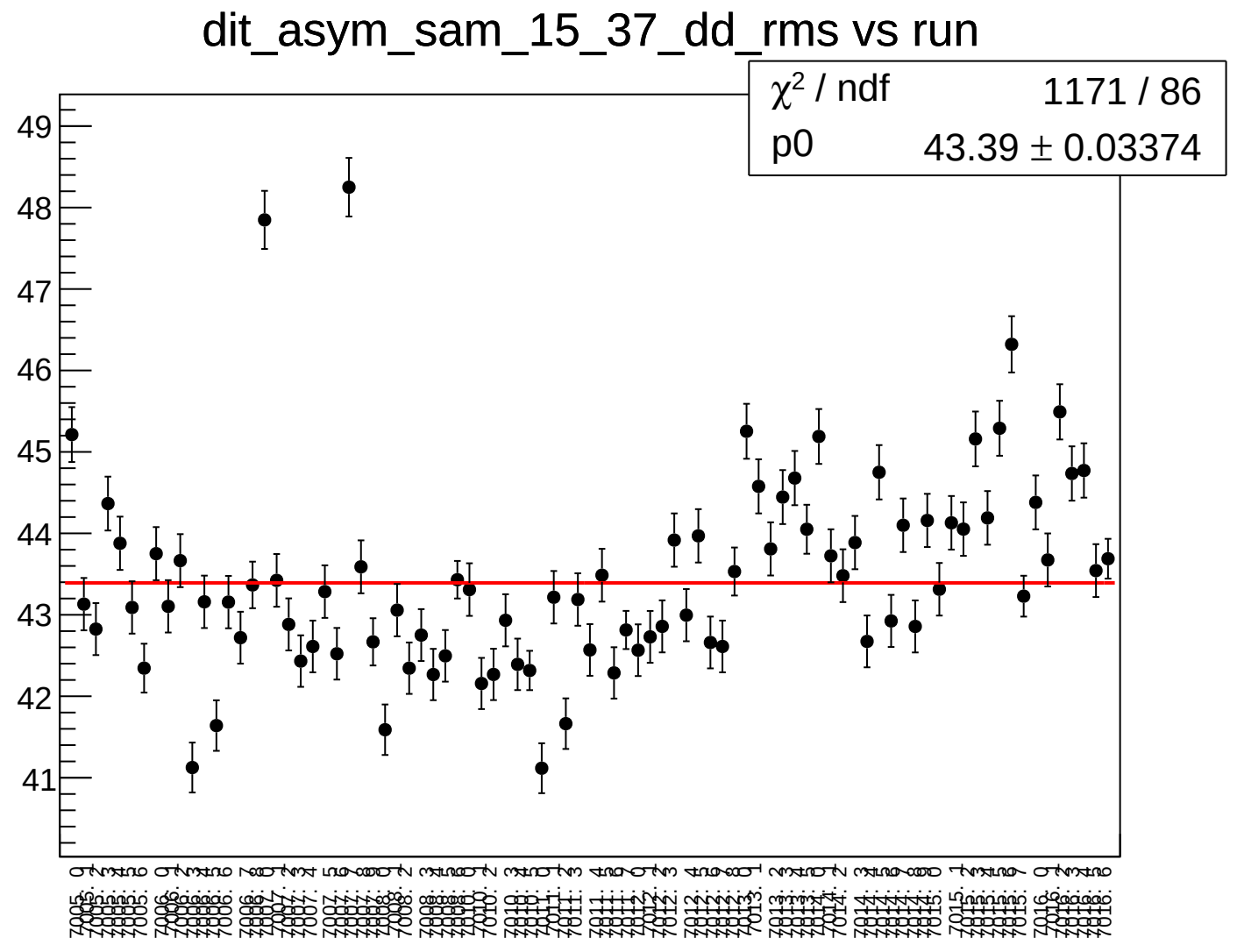

asym_sam_13_57_dd_mean vs run
χ² / ndf 82.03 / 86
p0 −24.58 ± 337.2
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −49.43
Std Dev 42.77
3
2
1
0
−1
−2

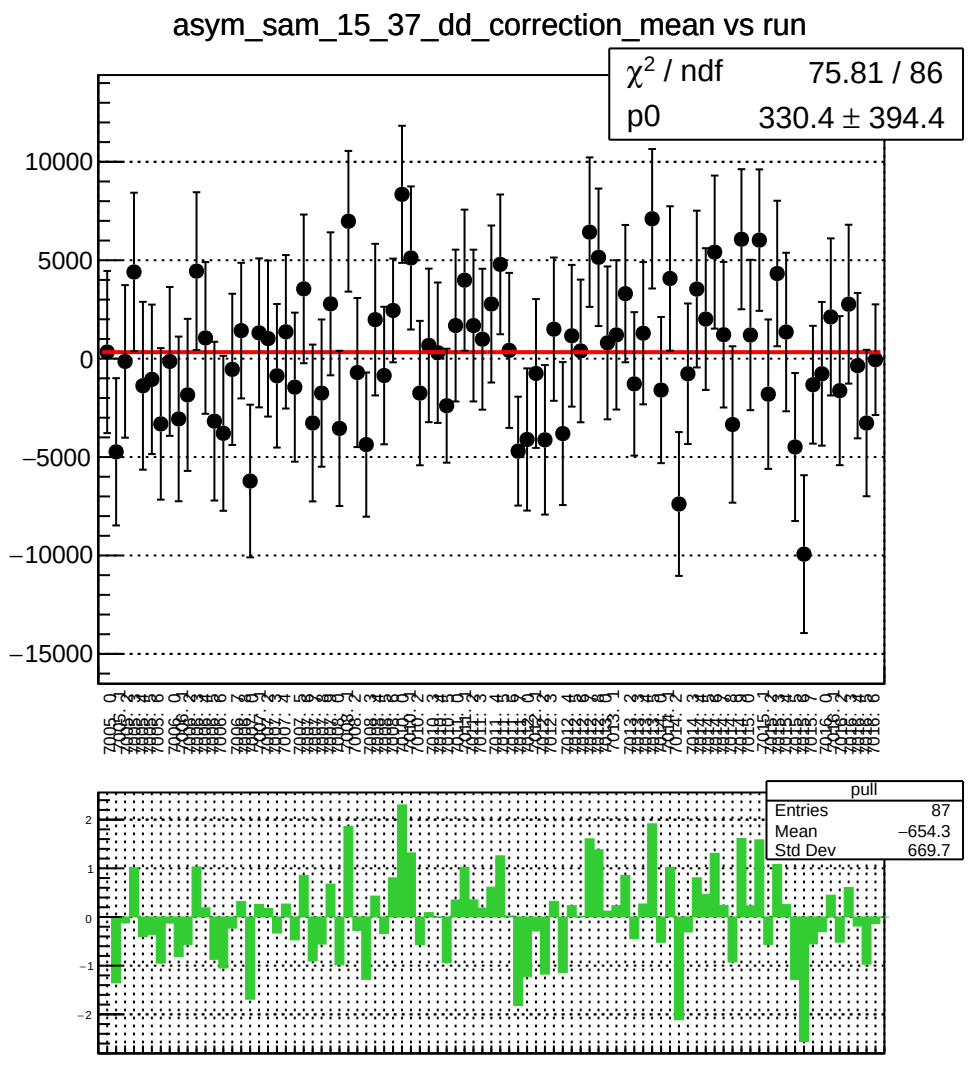

pull1D
Entries 87
Mean −0.01665
Std Dev 0.9709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

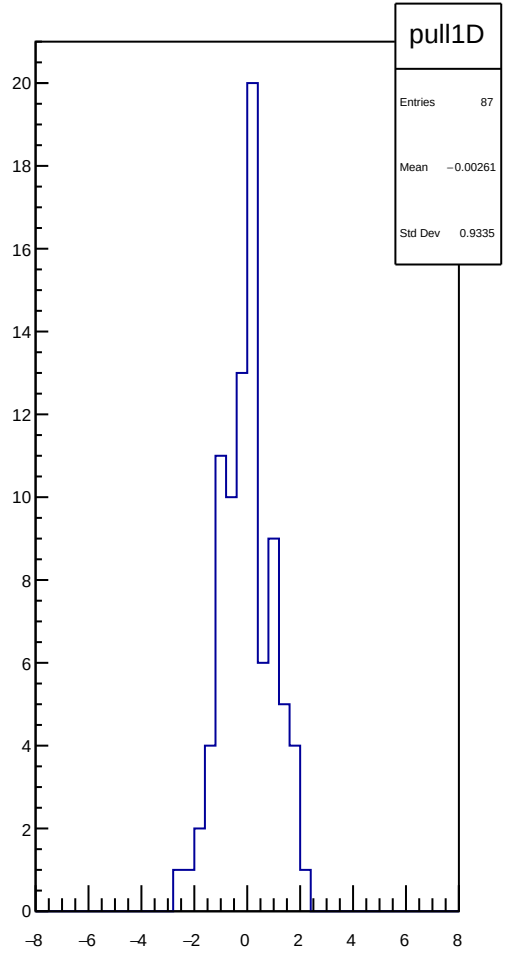

asym_sam_13_57_dd_rms vs run
χ² / ndf 2288 / 86
p0 306.6 ± 0.2384
340
330
320
310
300
290
280

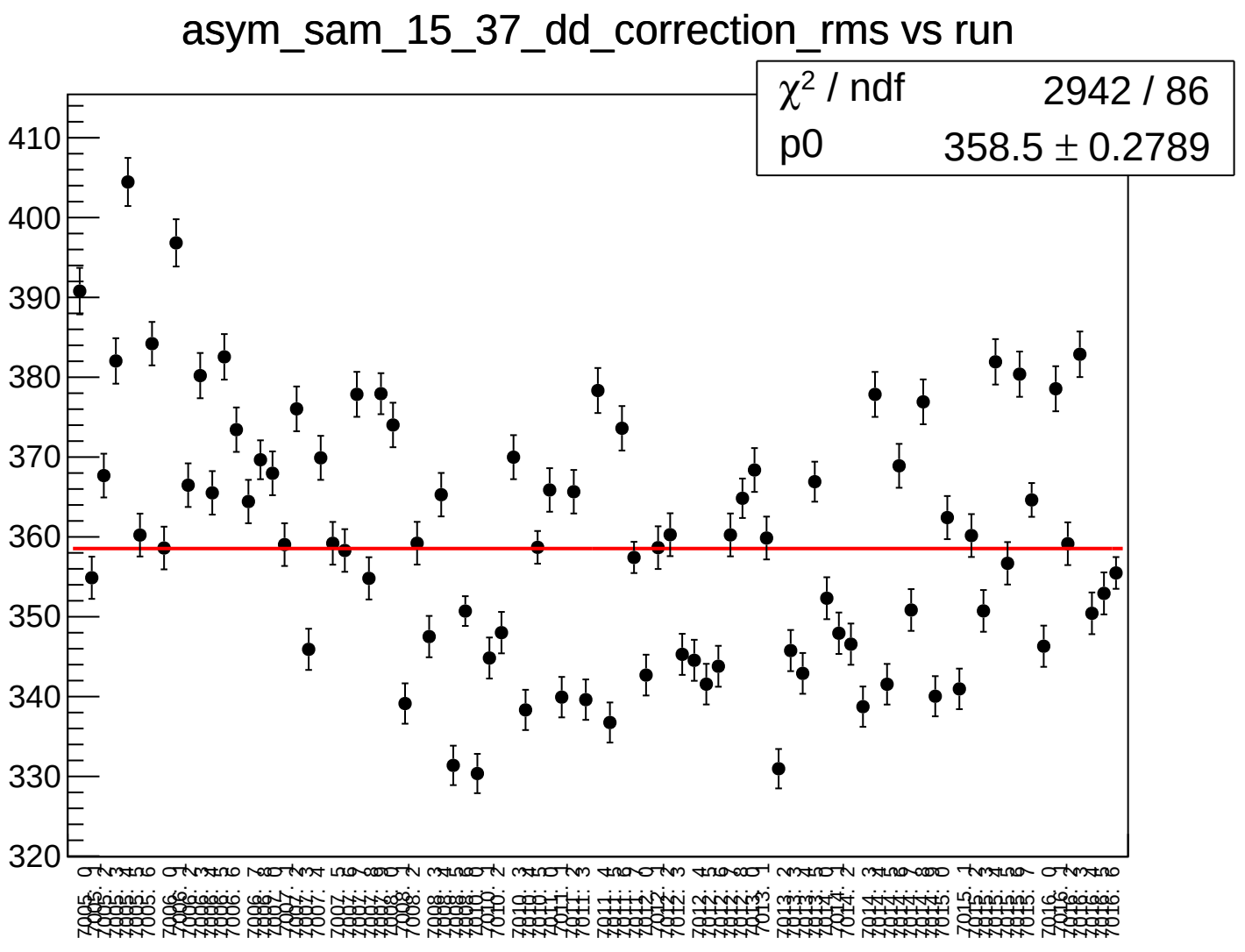

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 68.98 / 86
p0 4.224 ± 47.71
pull
Entries 87
Mean −114.4
Std Dev 144.6

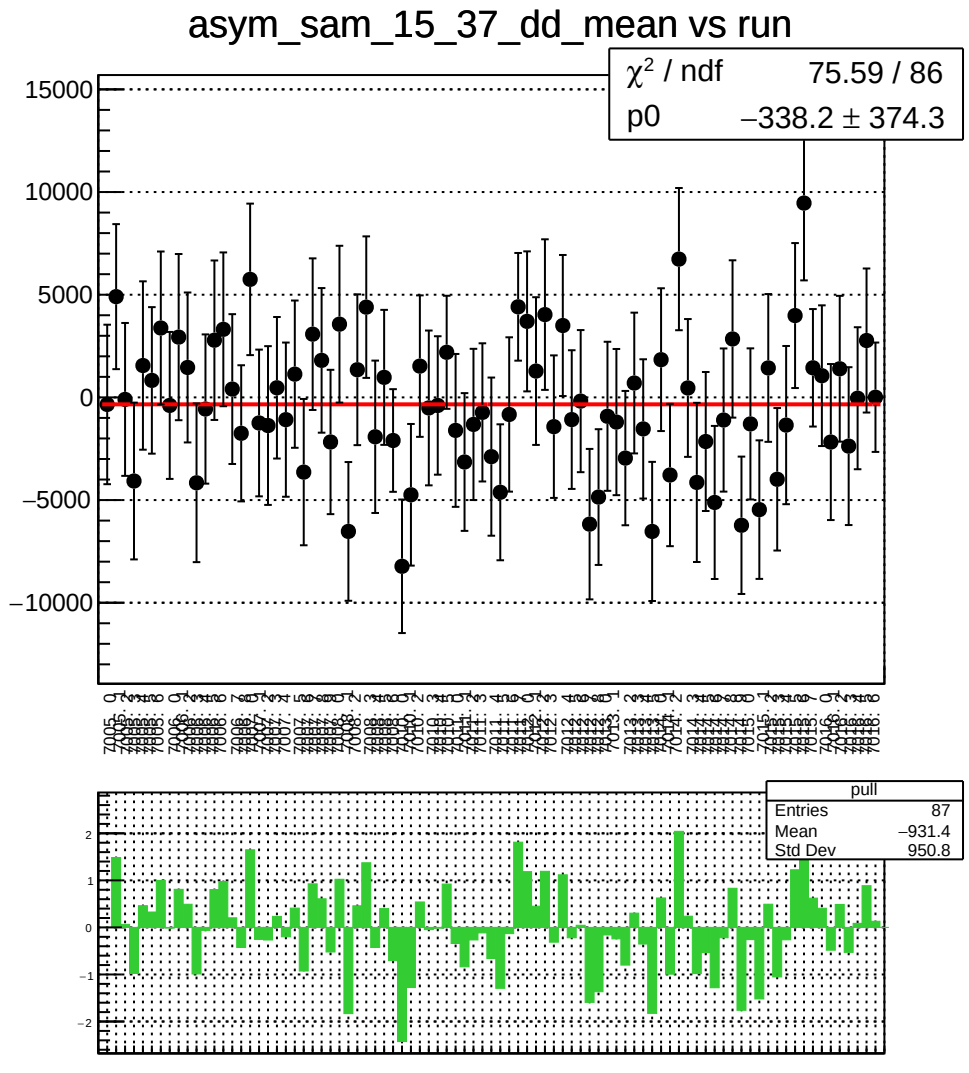

pull1D
Entries 87
Mean −0.01643
Std Dev 0.8903

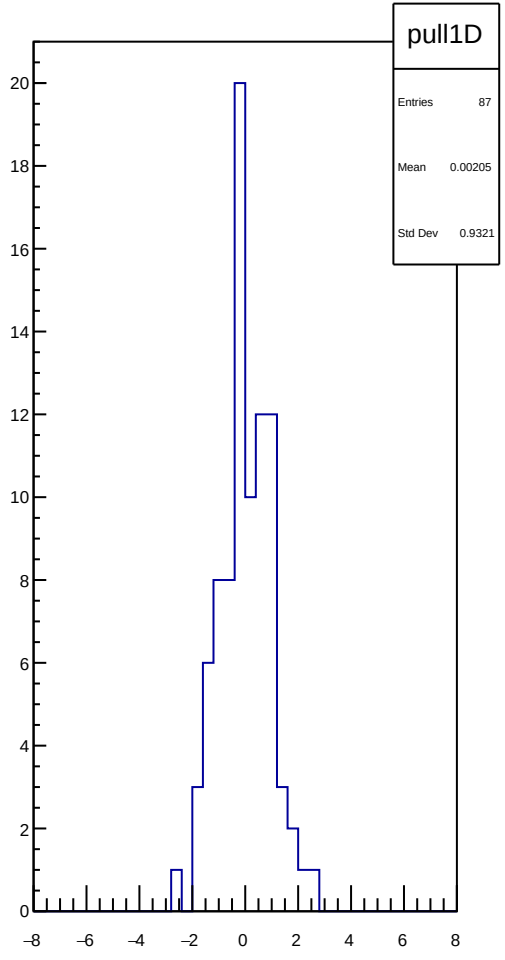

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1171 / 86
p0 43.39 ± 0.03374
49
48
47
46
45
44
43
42
41

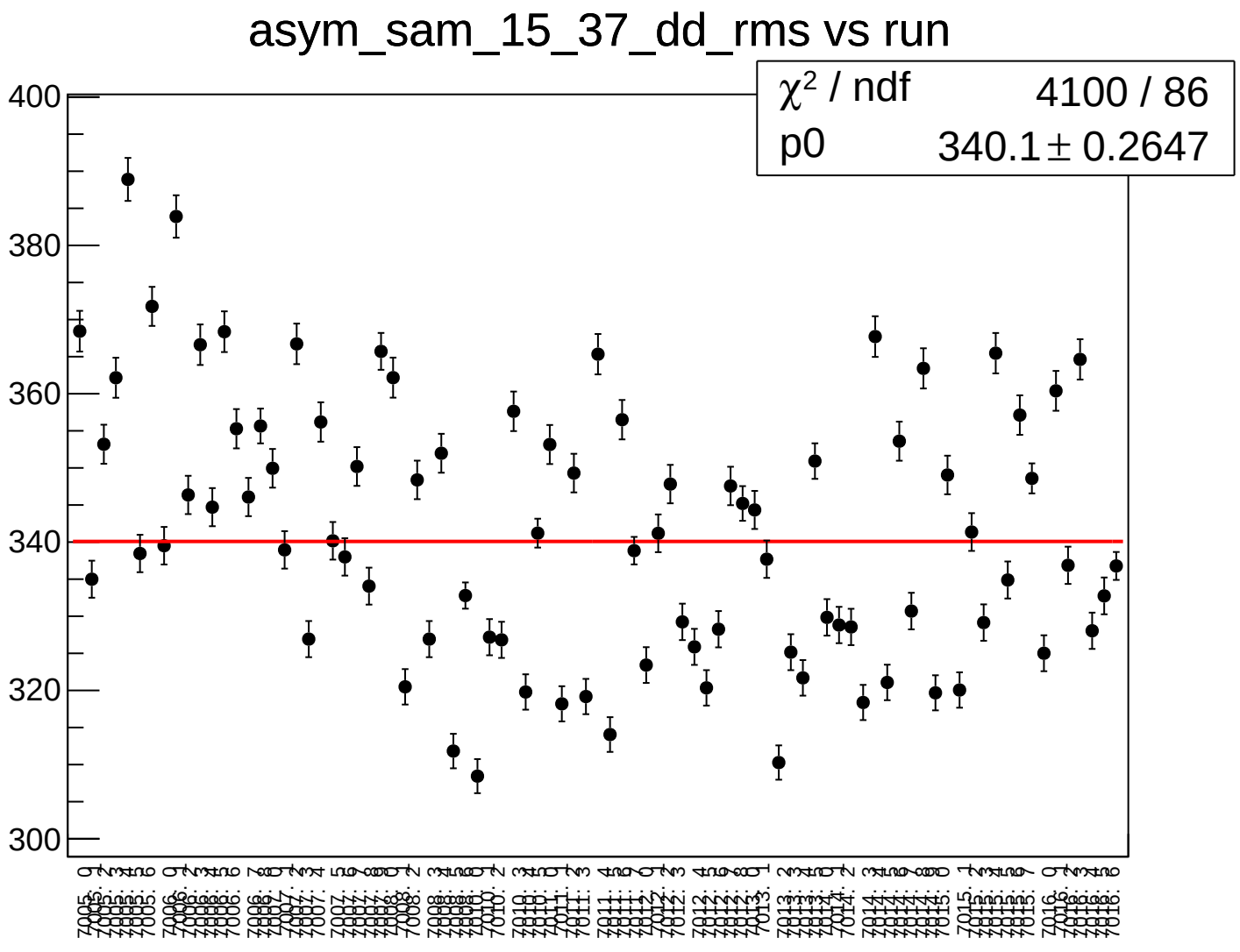

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 75.81 / 86
p0 330.4 ± 394.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −654.3
Std Dev 669.7
2
1
0
−1
−2

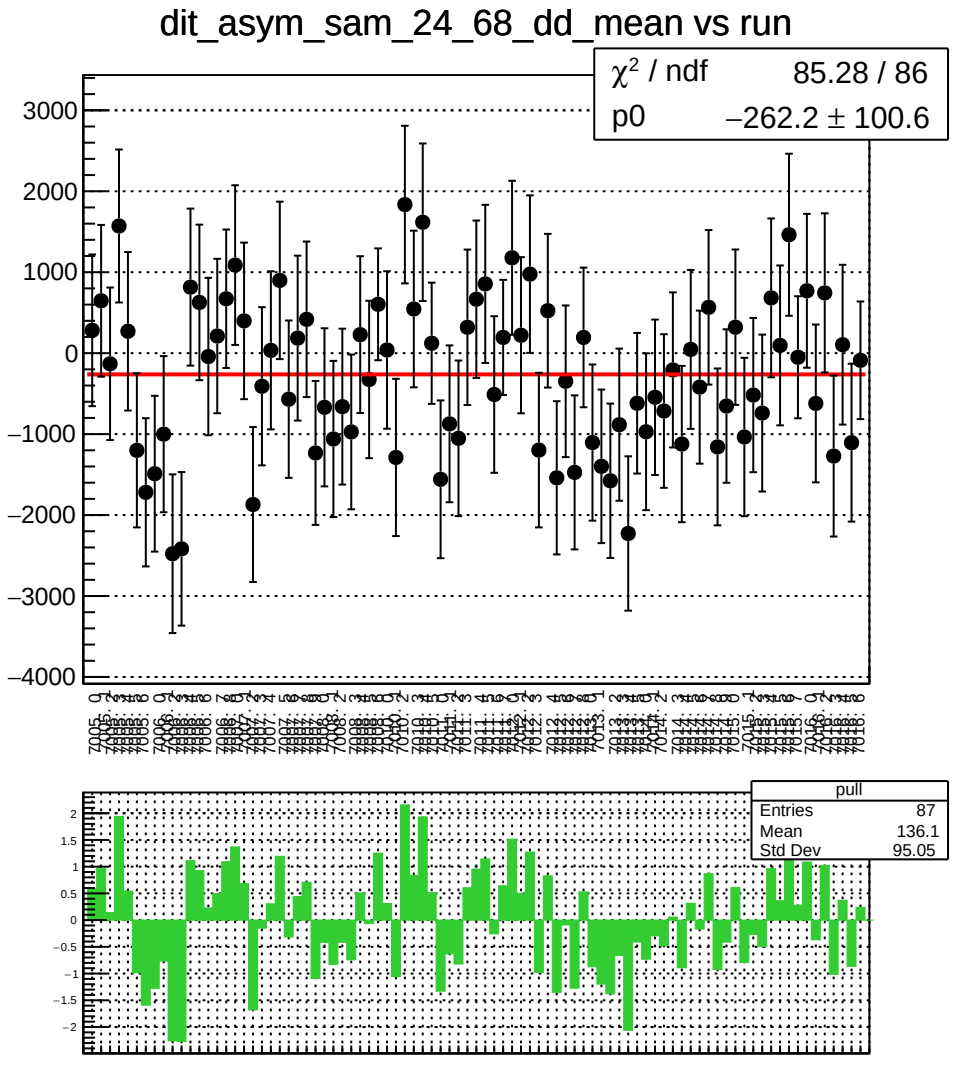

pull1D
Entries 87
Mean −0.00261
Std Dev 0.9335
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

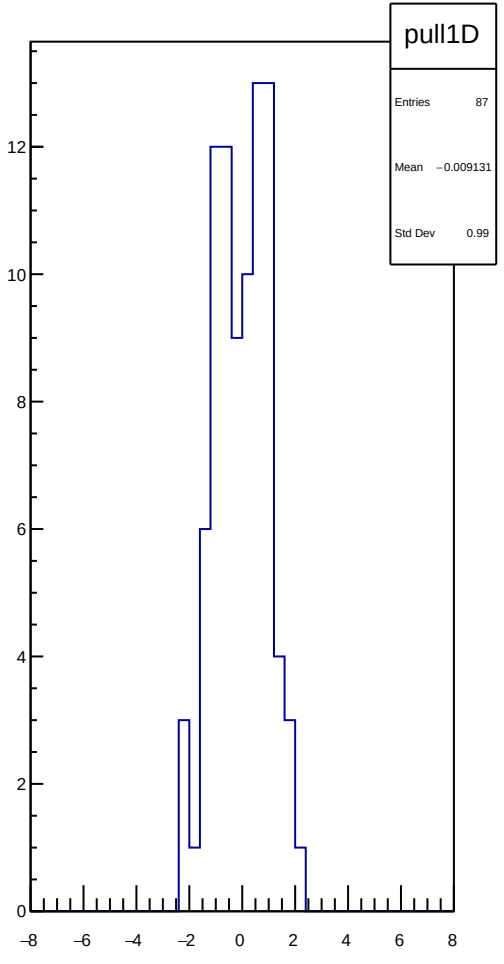

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2942 / 86
p0 358.5 ± 0.2789
410
400
390
380
370
360
350
340
330
320

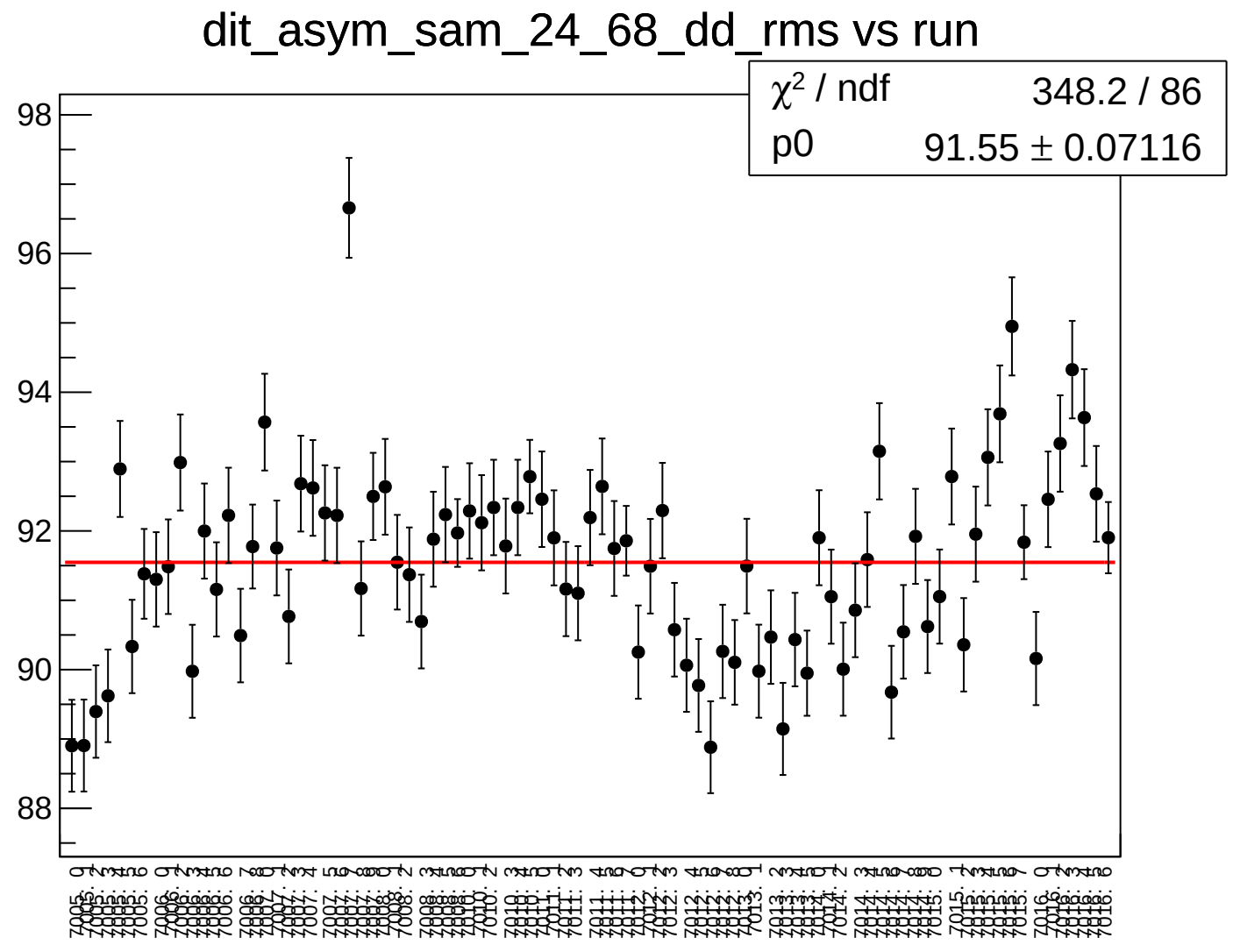

asym_sam_15_37_dd_mean vs run
χ² / ndf 75.59 / 86
p0 −338.2 ± 374.3
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −931.4
Std Dev 950.8
2
1
0
−1
−2

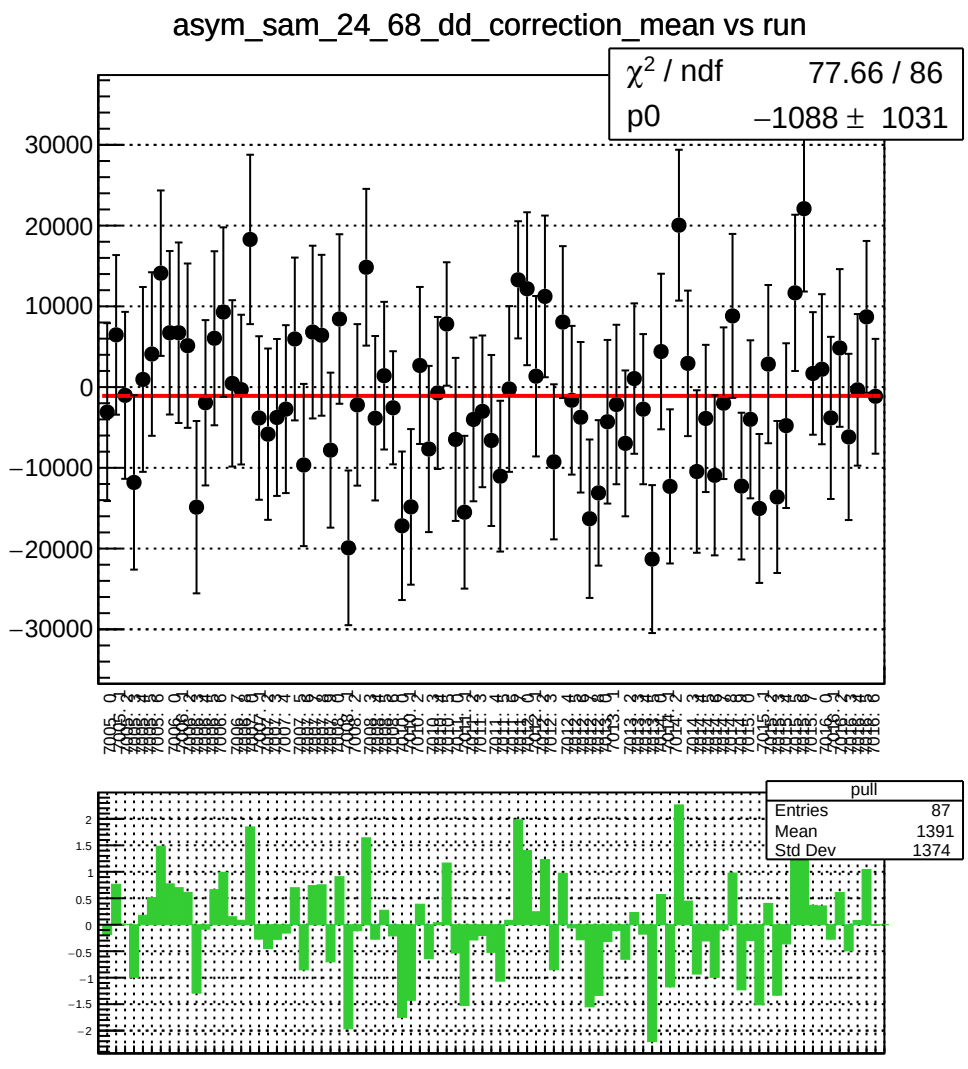

pull1D
Entries 87
Mean 0.00205
Std Dev 0.9321
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

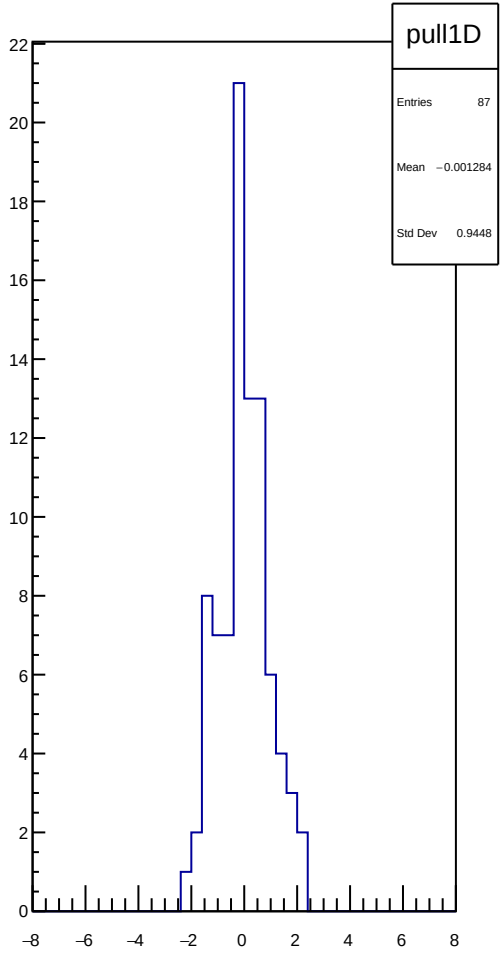

asym_sam_15_37_dd_rms vs run
χ² / ndf 4100 / 86
p0 340.1 ± 0.2647
400
380
360
340
320
300

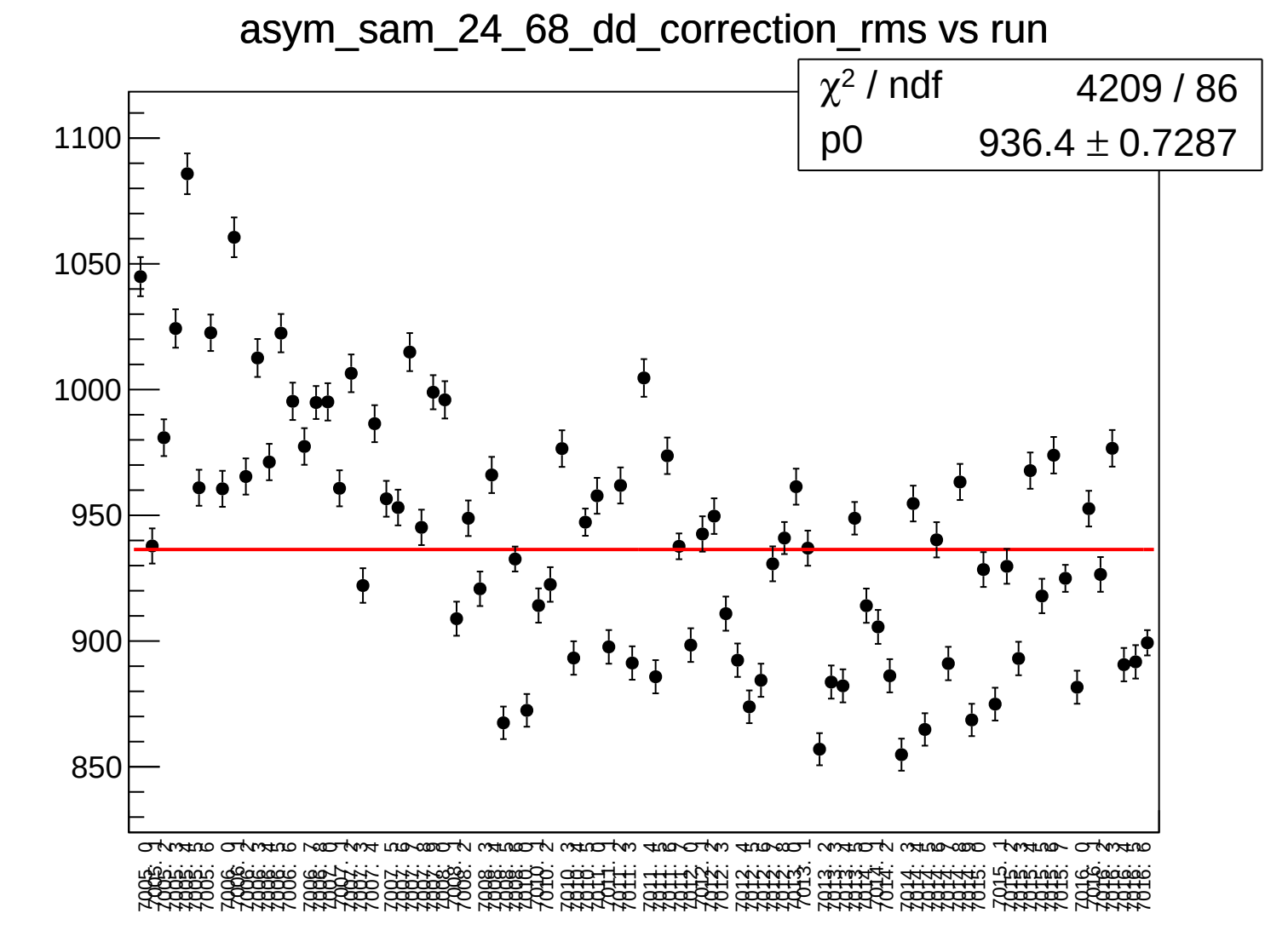

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 85.28 / 86
p0 −262.2 ± 100.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 87
Mean 136.1
Std Dev 95.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

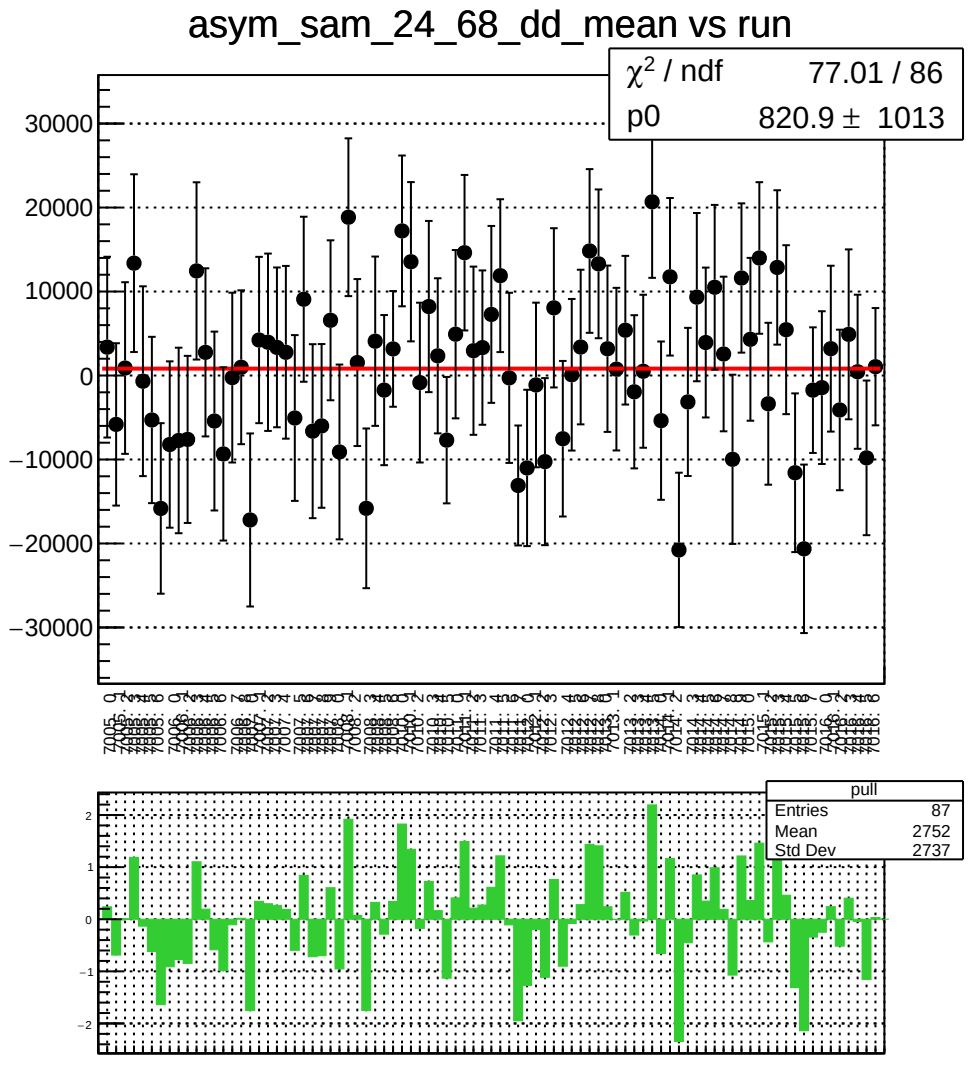

pull1D
Entries 87
Mean −0.009131
Std Dev 0.99
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

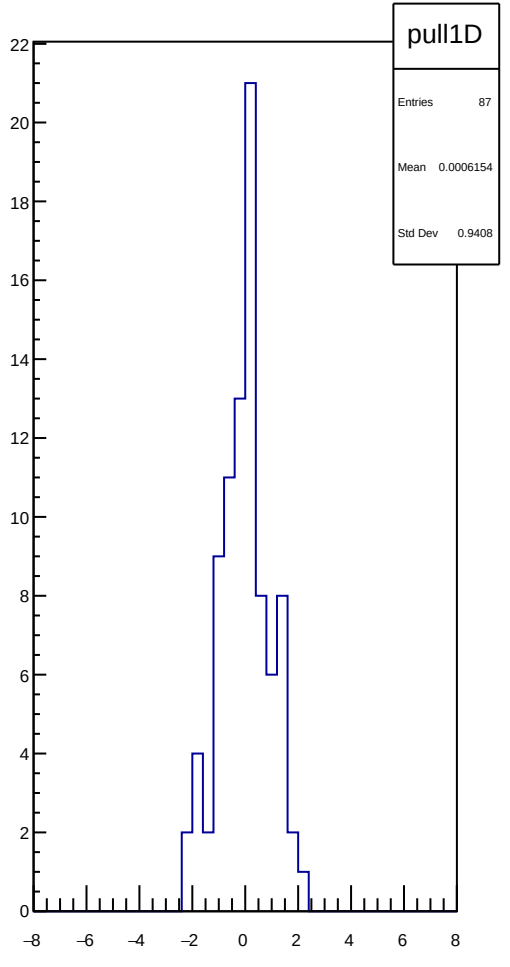

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 348.2 / 86
p0 91.55 ± 0.07116
98
96
94
92
90
88

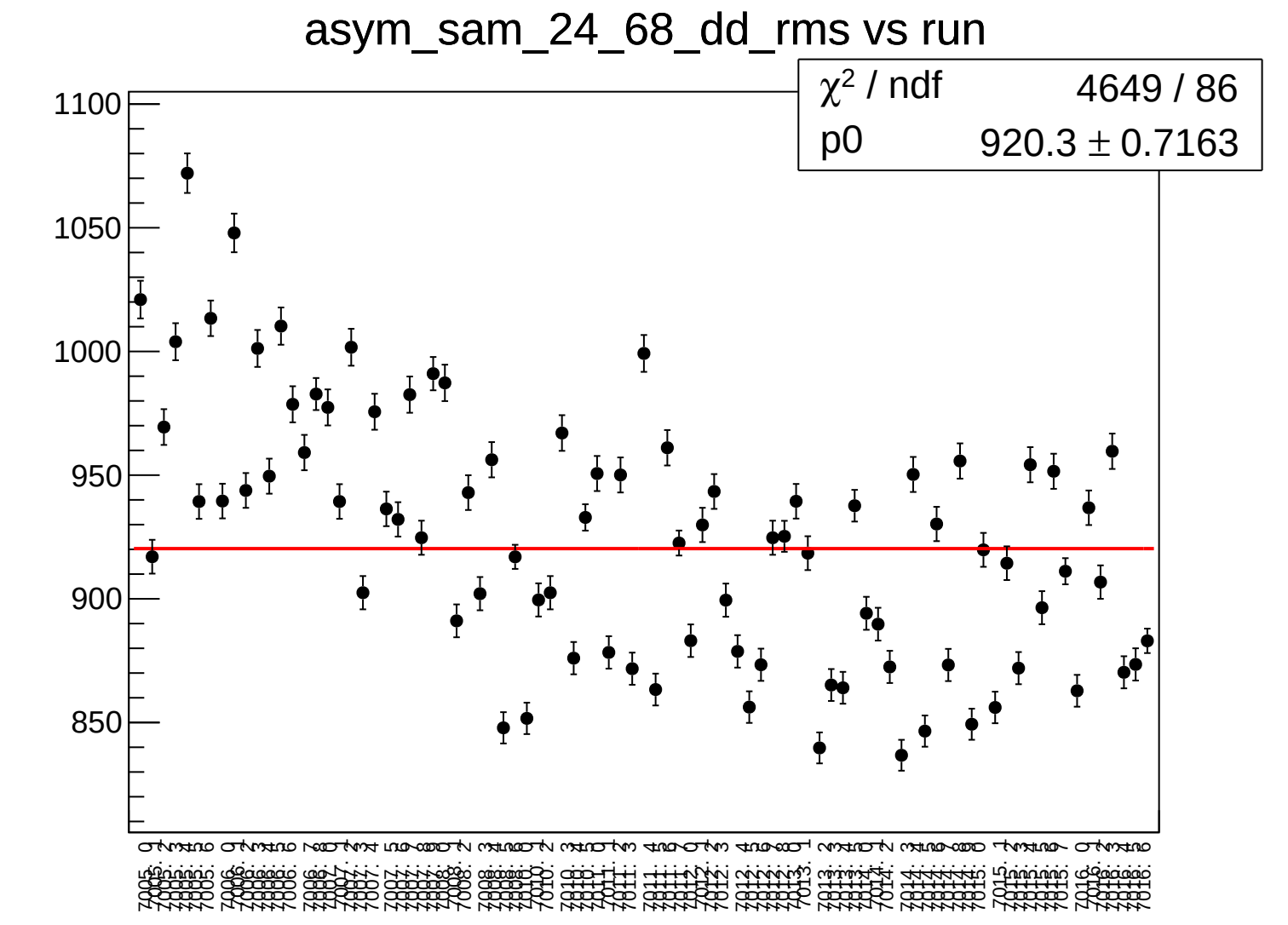

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 77.66 / 86
p0 −1088 ± 1031
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 1391
Std Dev 1374
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

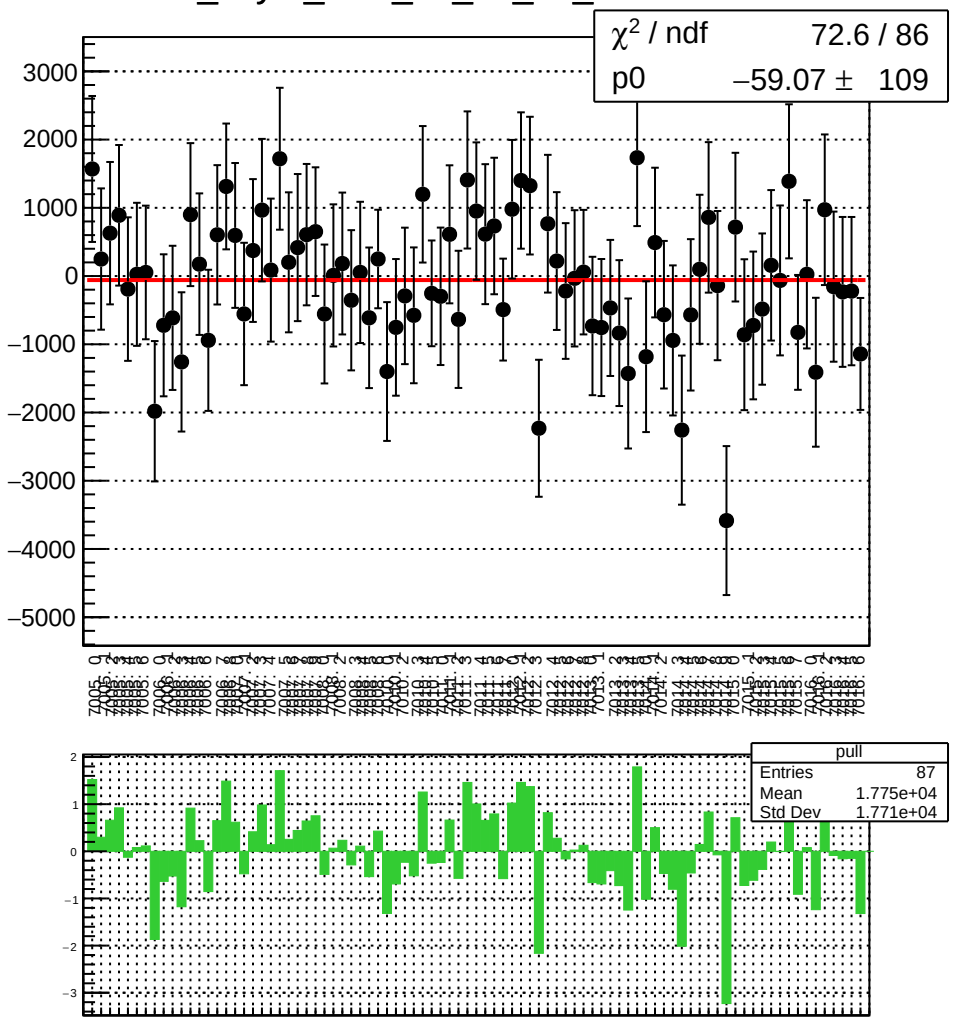

pull1D
Entries 87
Mean −0.001284
Std Dev 0.9448
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

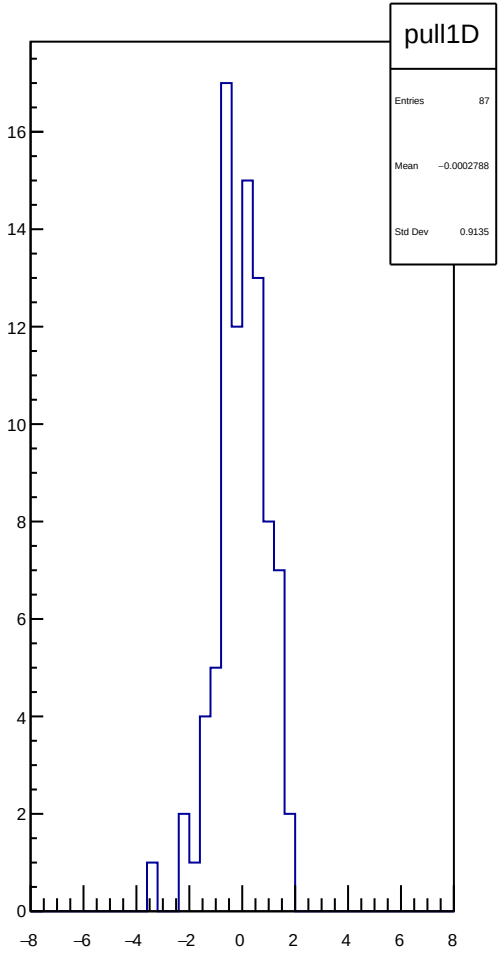

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4209 / 86
p0 936.4 ± 0.7287
1100
1050
1000
950
900
850

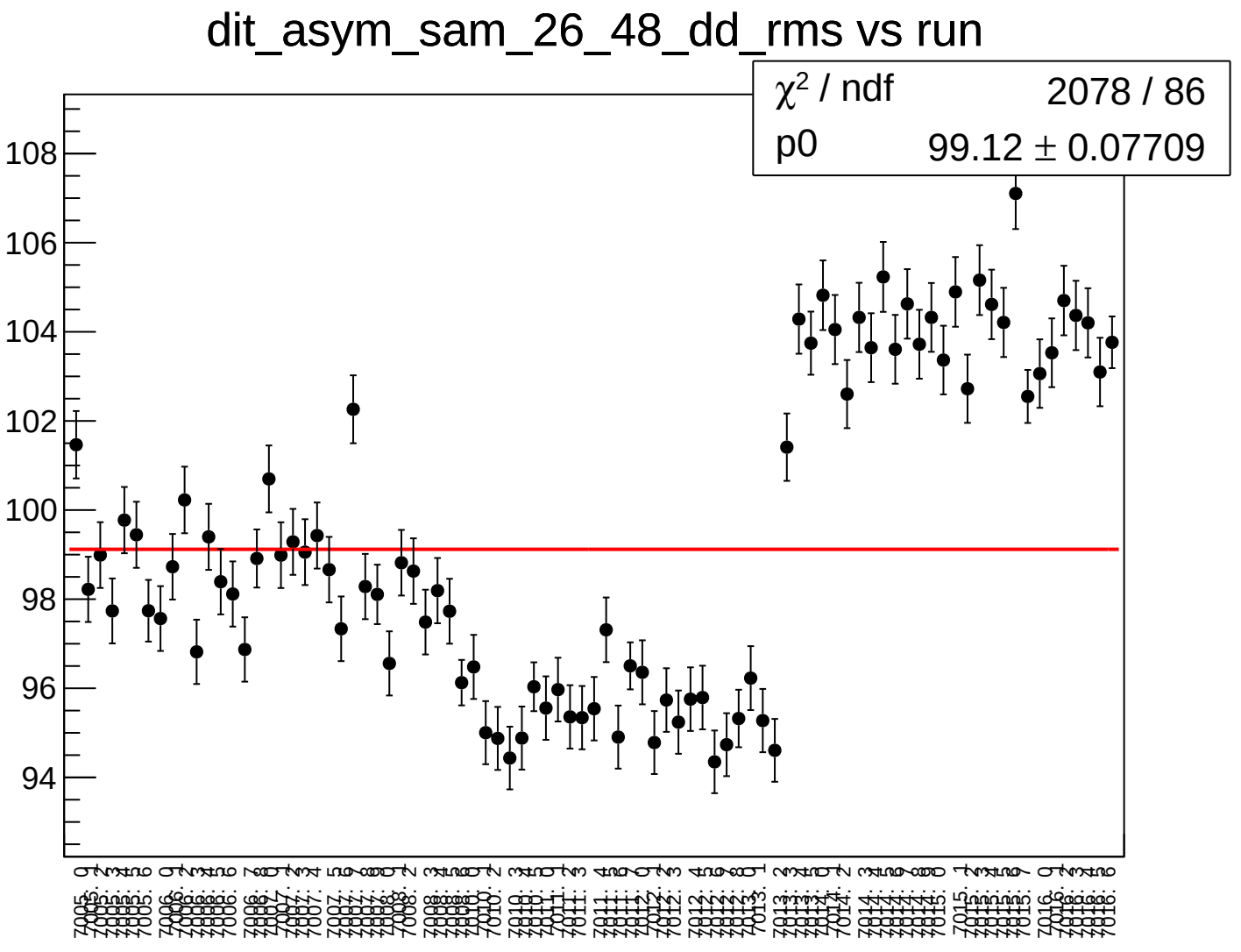

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 77.01 / 86
p0 820.9 ± 1013
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 2752
Std Dev 2737
2
1
0
−1
−2

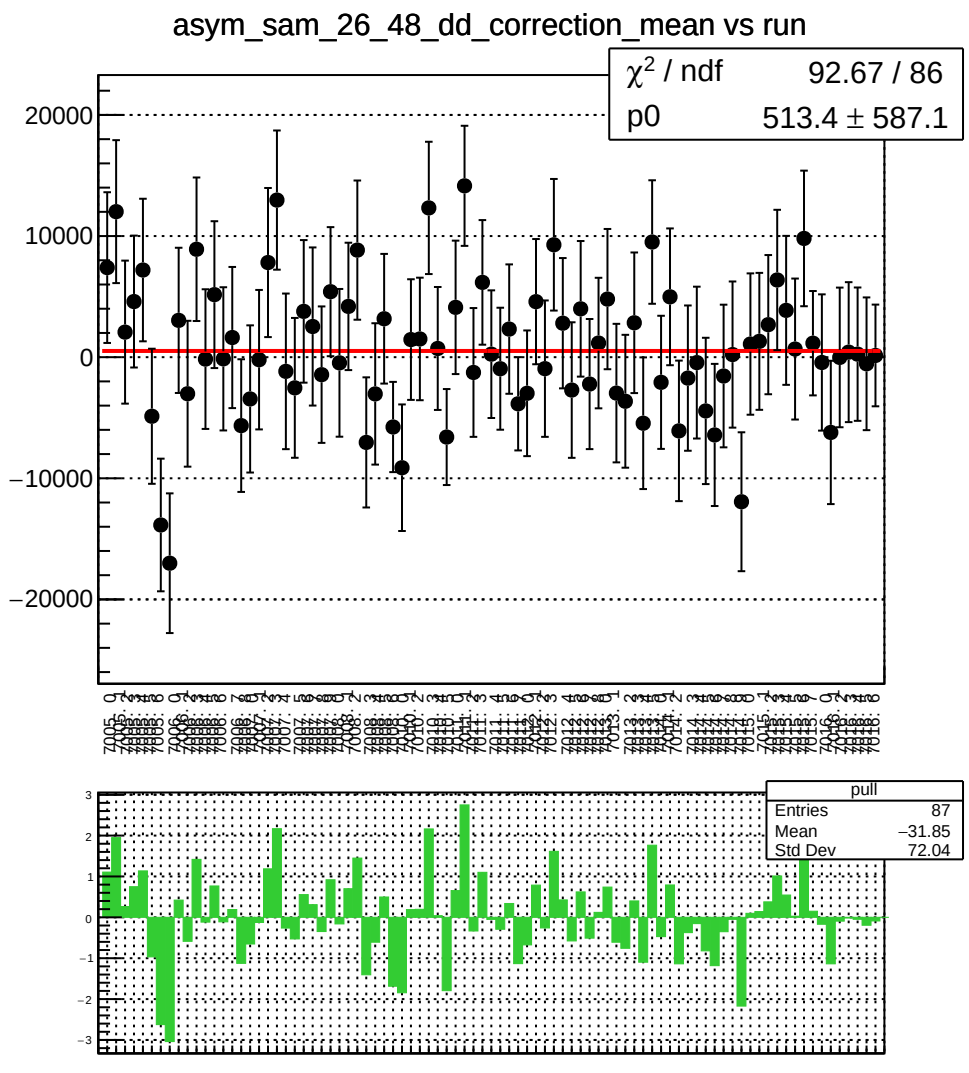

pull1D
Entries 87
Mean 0.0006154
Std Dev 0.9408
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

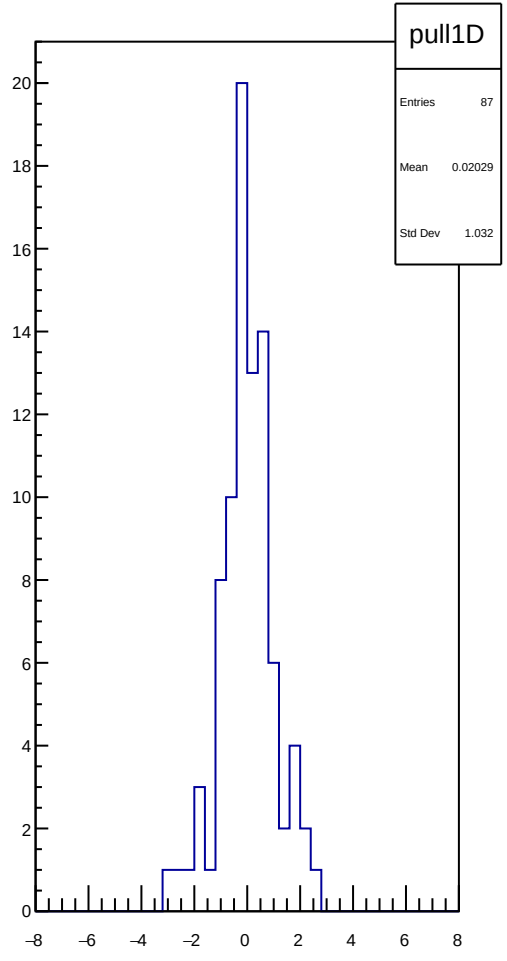

asym_sam_24_68_dd_rms vs run
χ² / ndf 4649 / 86
p0 920.3 ± 0.7163
1100
1050
1000
950
900
850

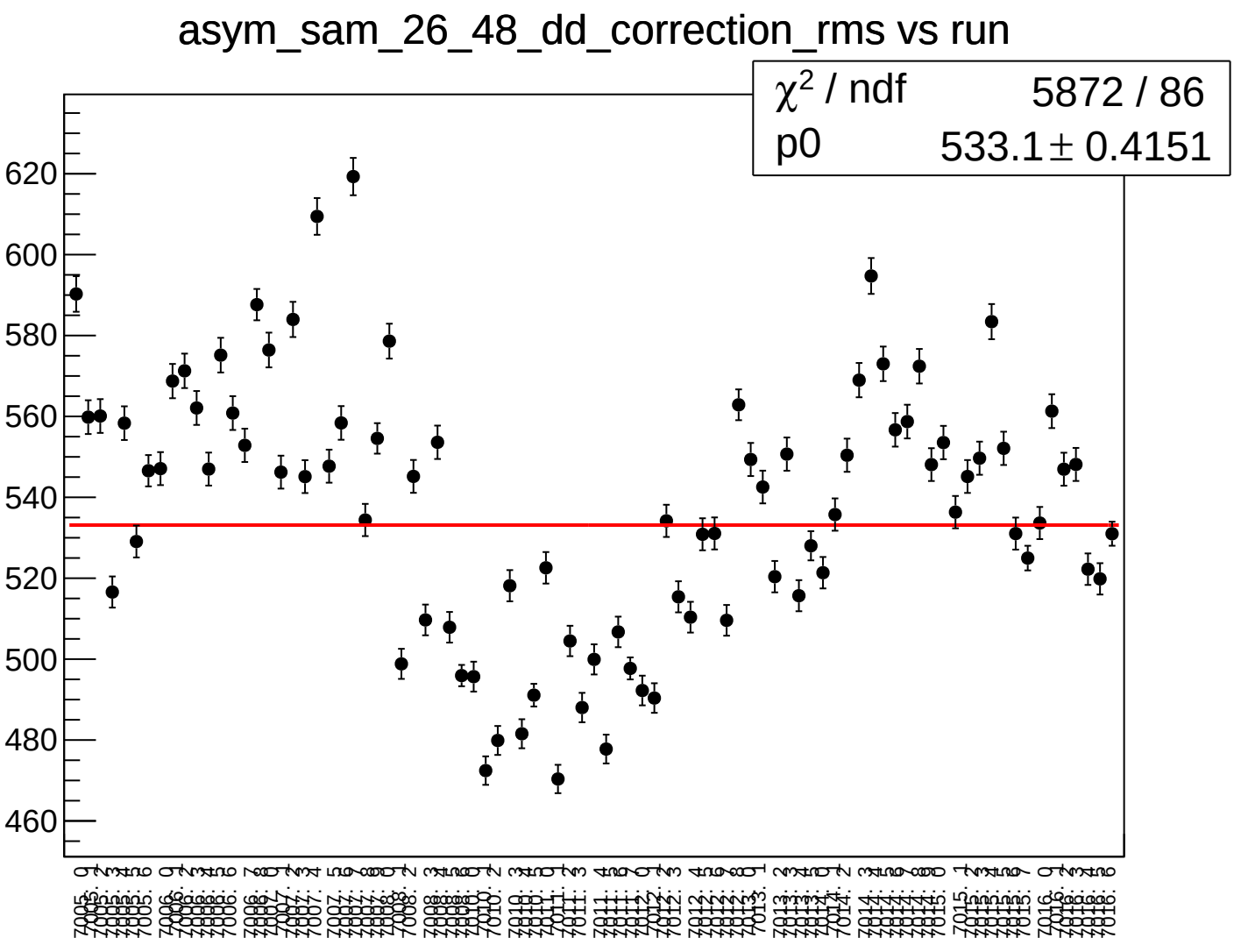

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 72.6 / 86
p0 −59.07 ± 109
pull
Entries 87
Mean 1.775e+04
Std Dev 1.771e+04

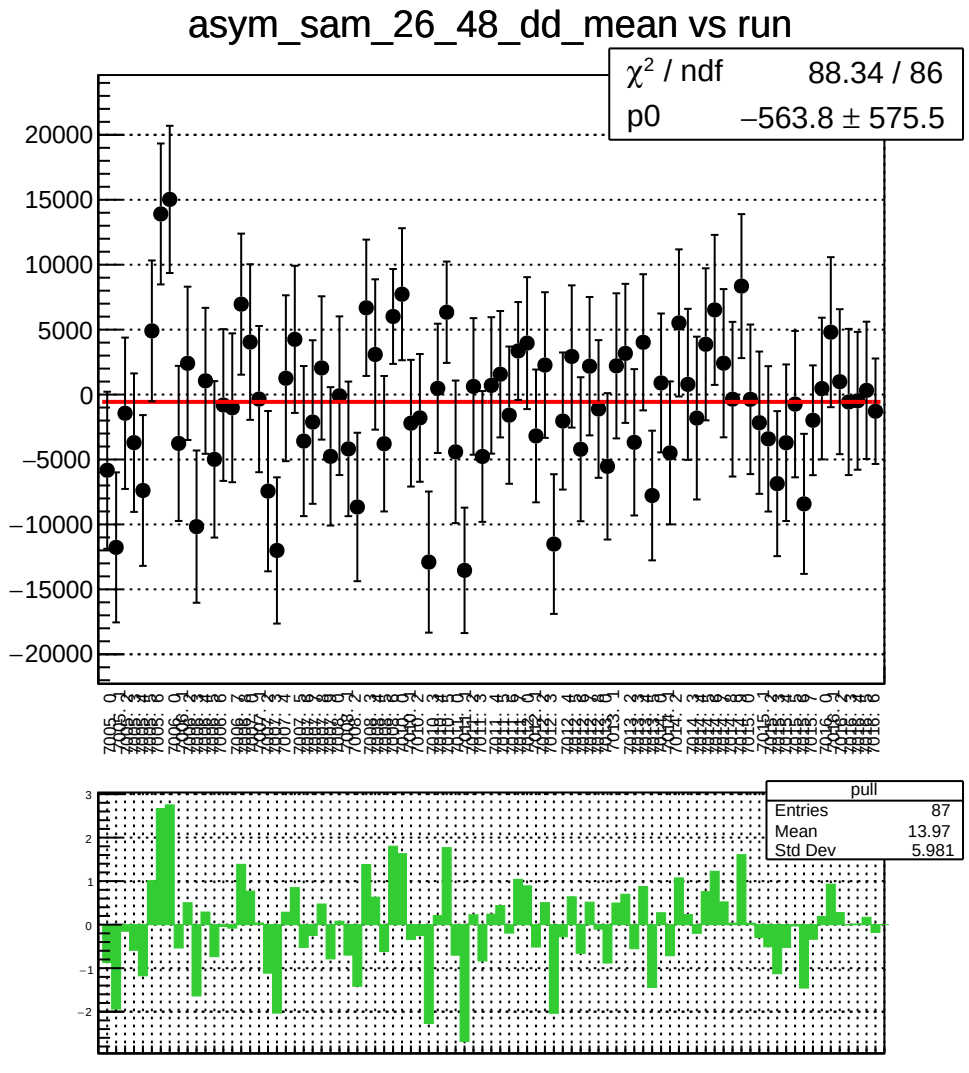

pull1D
Entries 87
Mean −0.0002788
Std Dev 0.9135

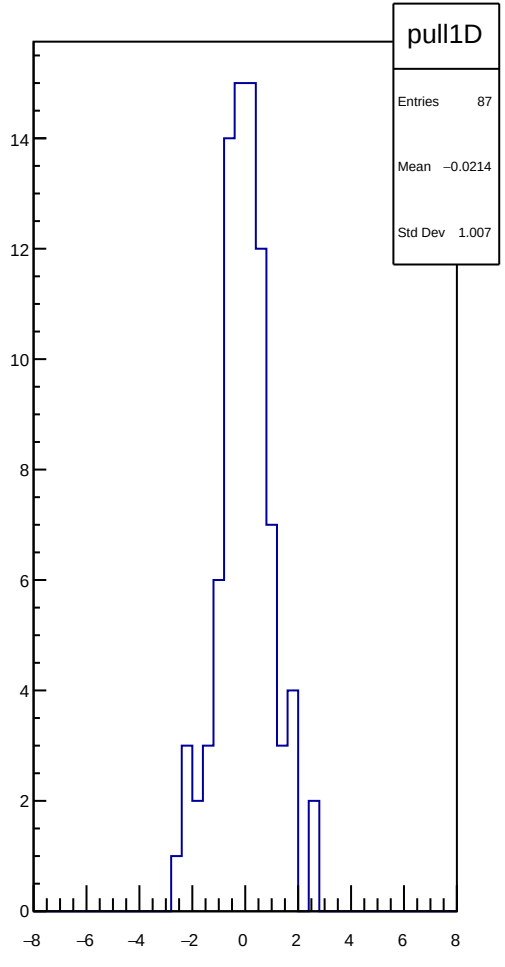

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2078 / 86
p0 99.12 ± 0.07709
108
106
104
102
100
98
96
94

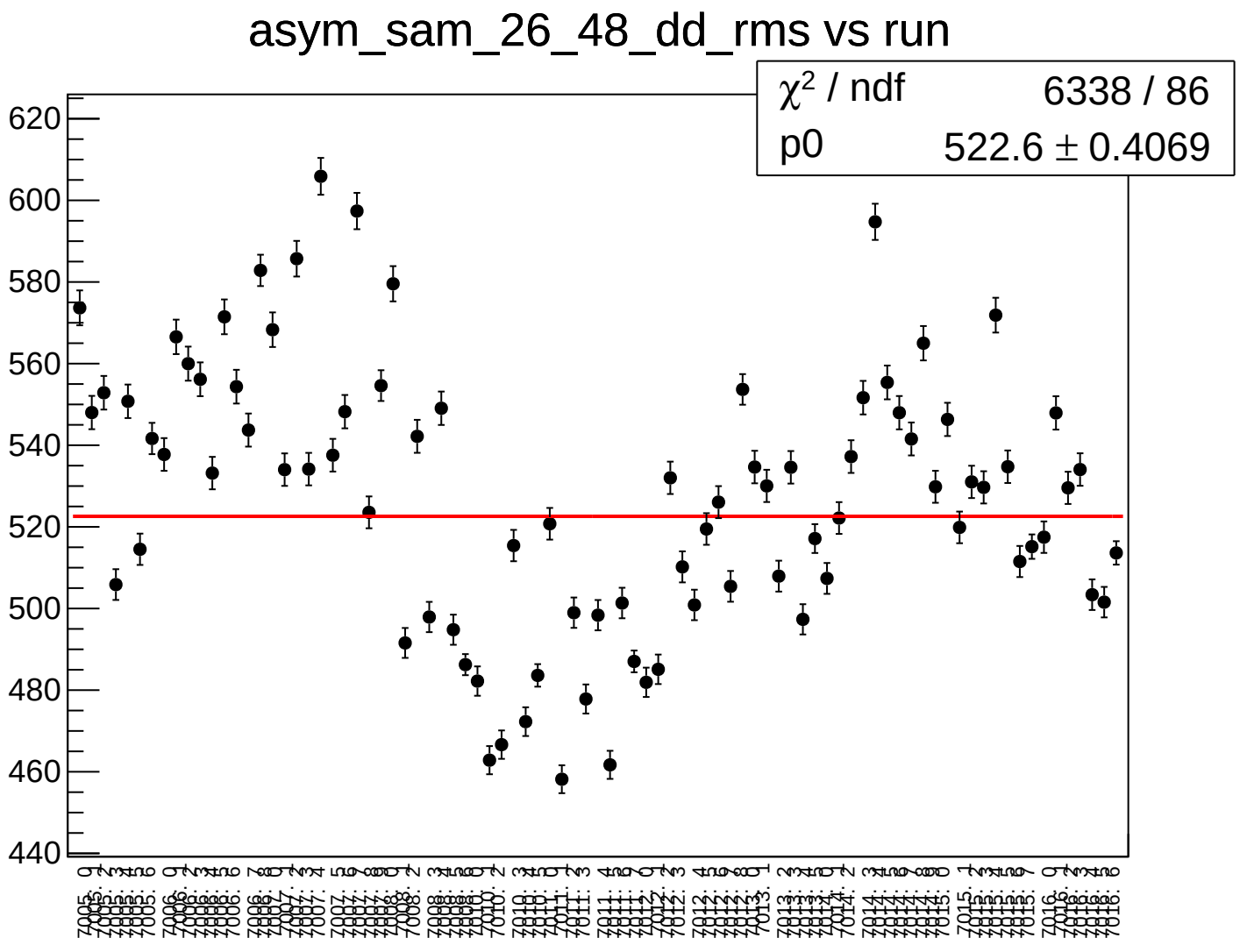

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 92.67 / 86
p0 513.4 ± 587.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −31.85
Std Dev 72.04
3
2
1
0
−1
−2
−3

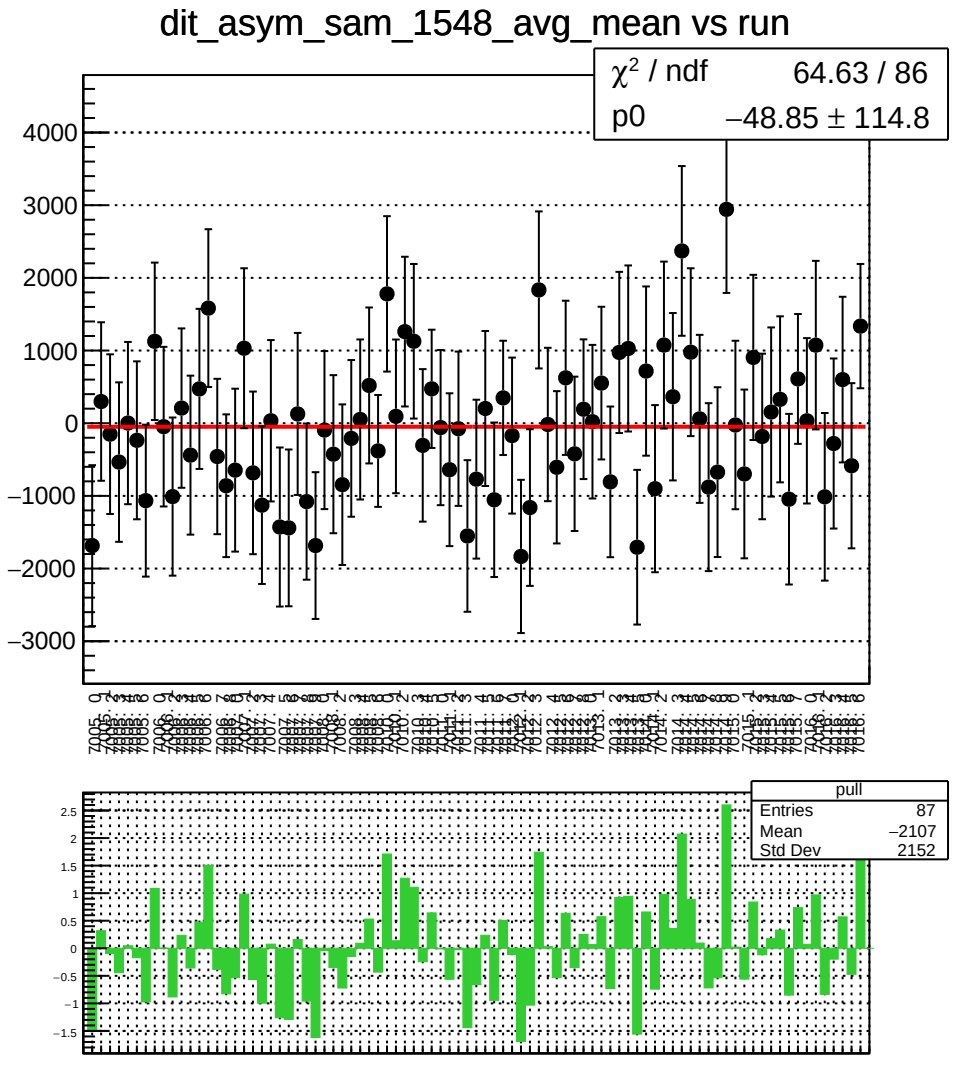

pull1D
Entries 87
Mean 0.02029
Std Dev 1.032
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

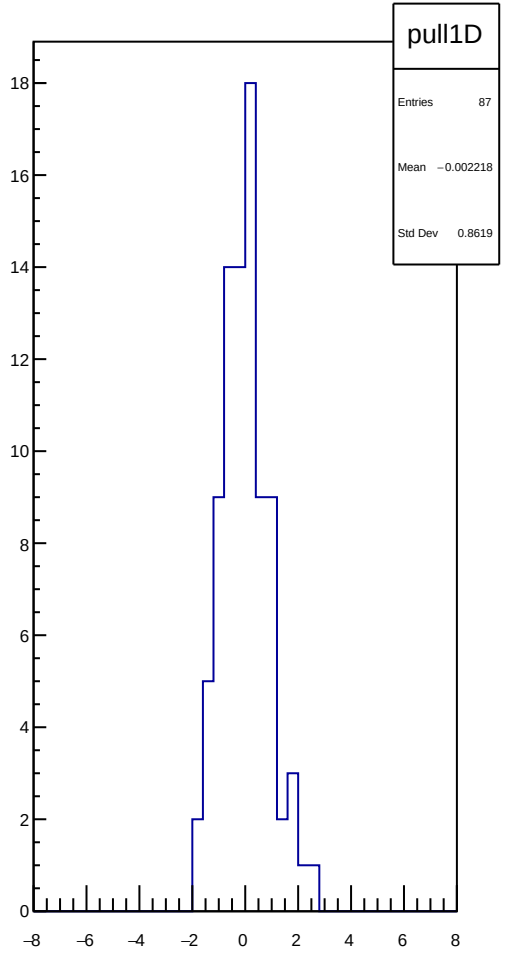

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 5872 / 86
p0 533.1 ± 0.4151
620
600
580
560
540
520
500
480
460

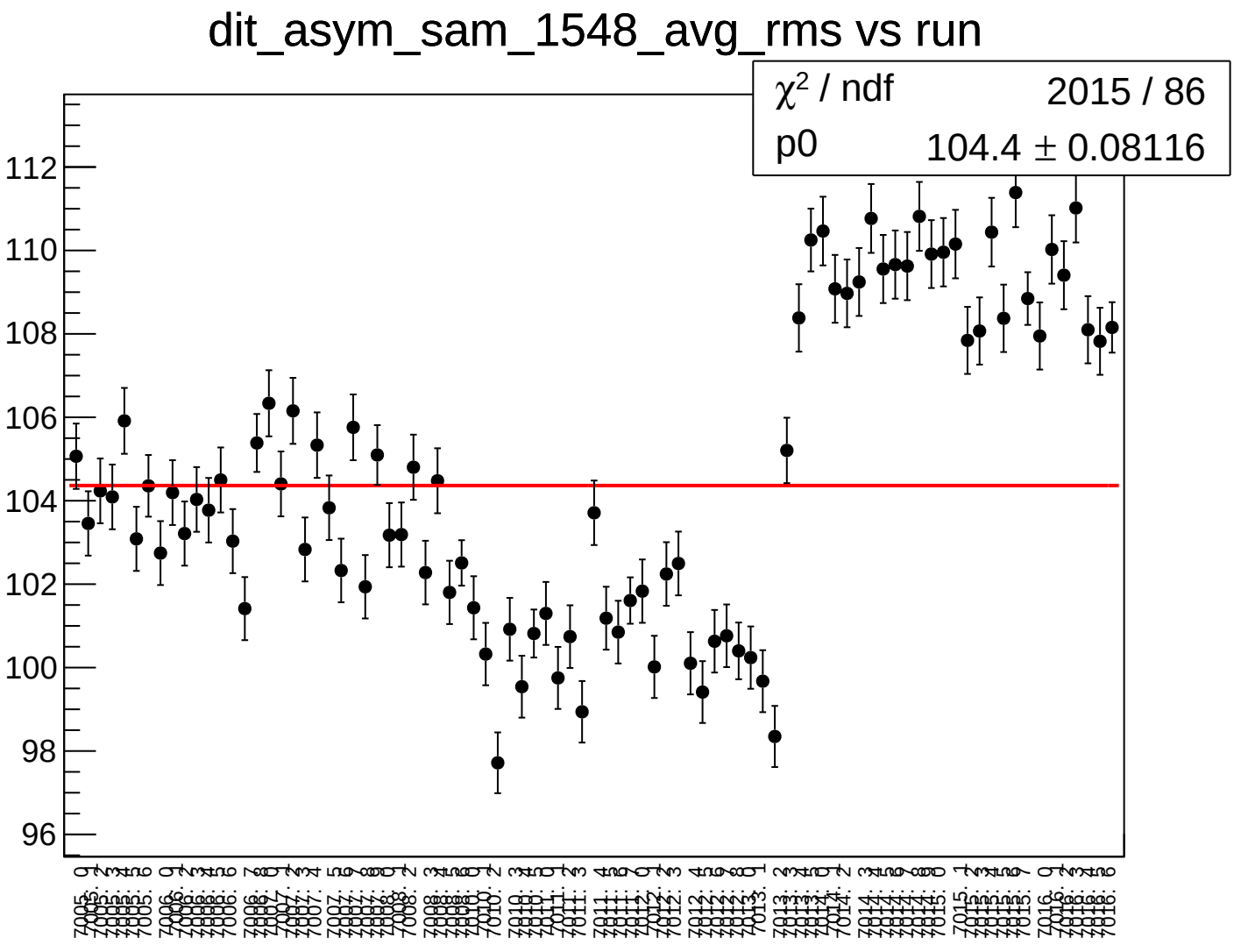

asym_sam_26_48_dd_mean vs run
χ² / ndf 88.34 / 86
p0 −563.8 ± 575.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean 13.97
Std Dev 5.981
3
2
1
0
−1
−2

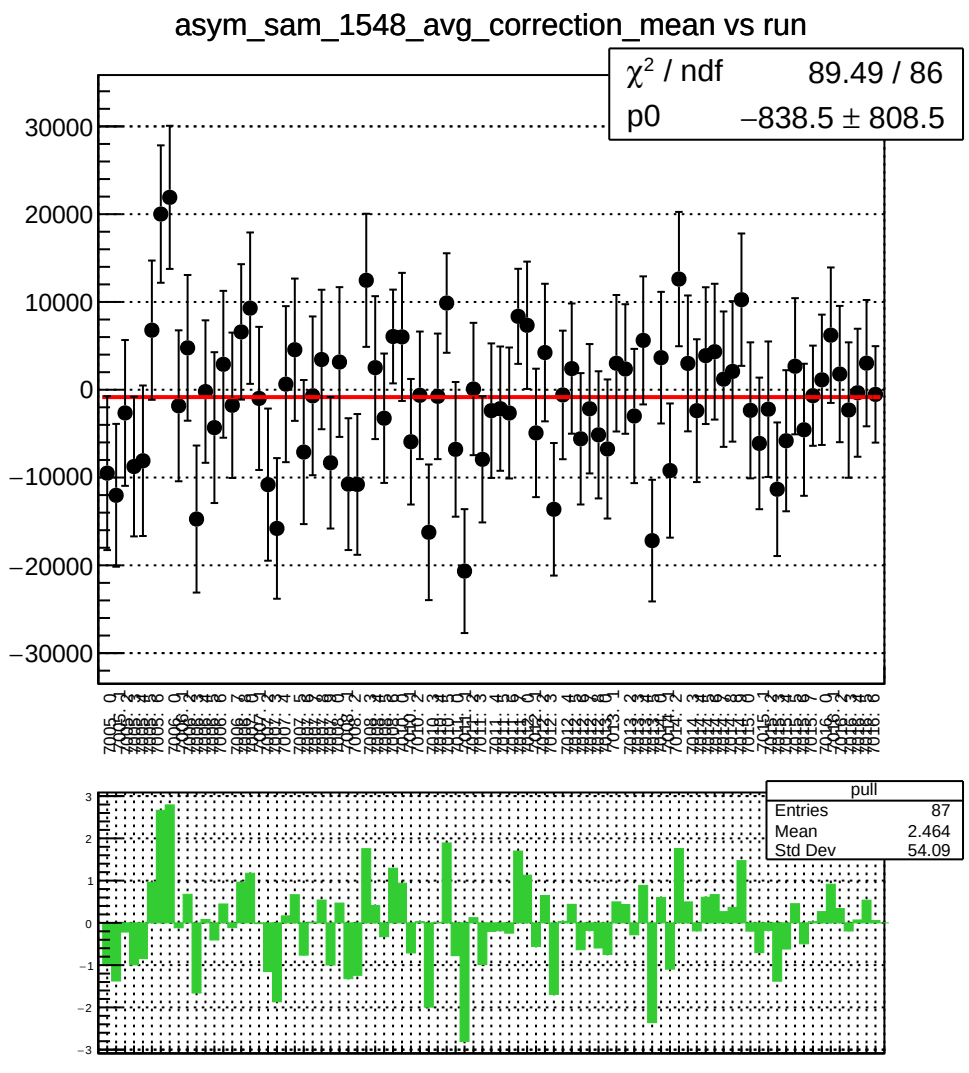

pull1D
Entries 87
Mean −0.0214
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

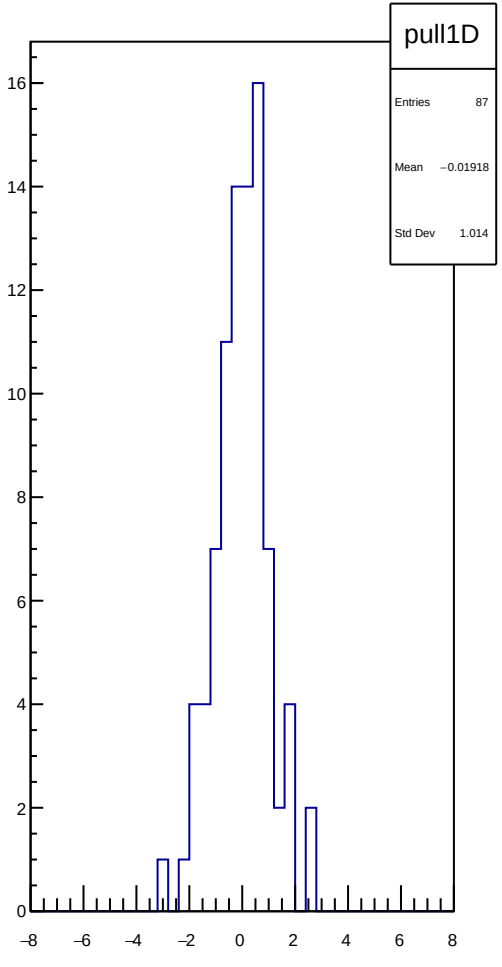

asym_sam_26_48_dd_rms vs run
χ² / ndf 6338 / 86
p0 522.6 ± 0.4069
620
600
580
560
540
520
500
480
460
440

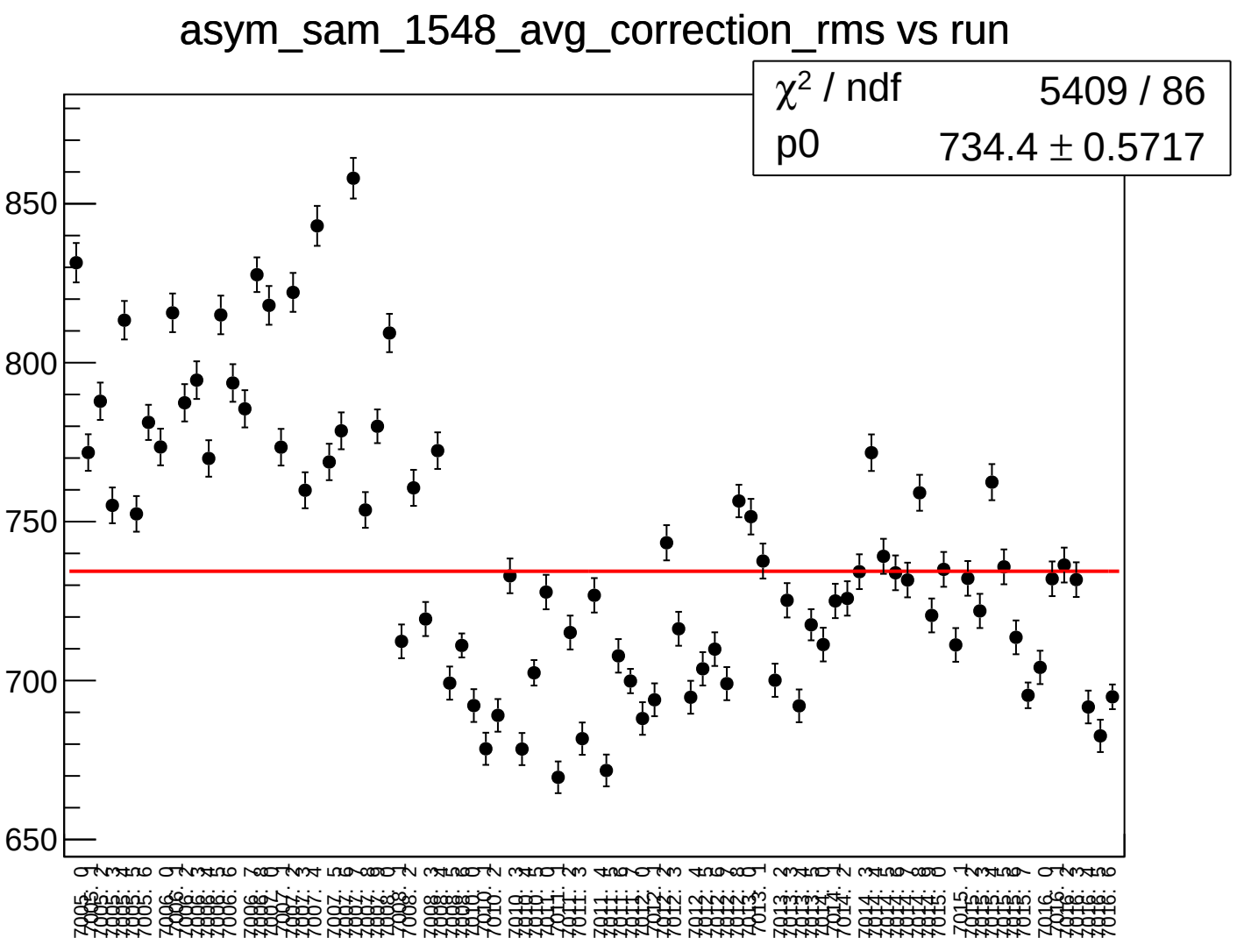

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 64.63 / 86
p0 −48.85 ± 114.8
pull
Entries 87
Mean −2107
Std Dev 2152

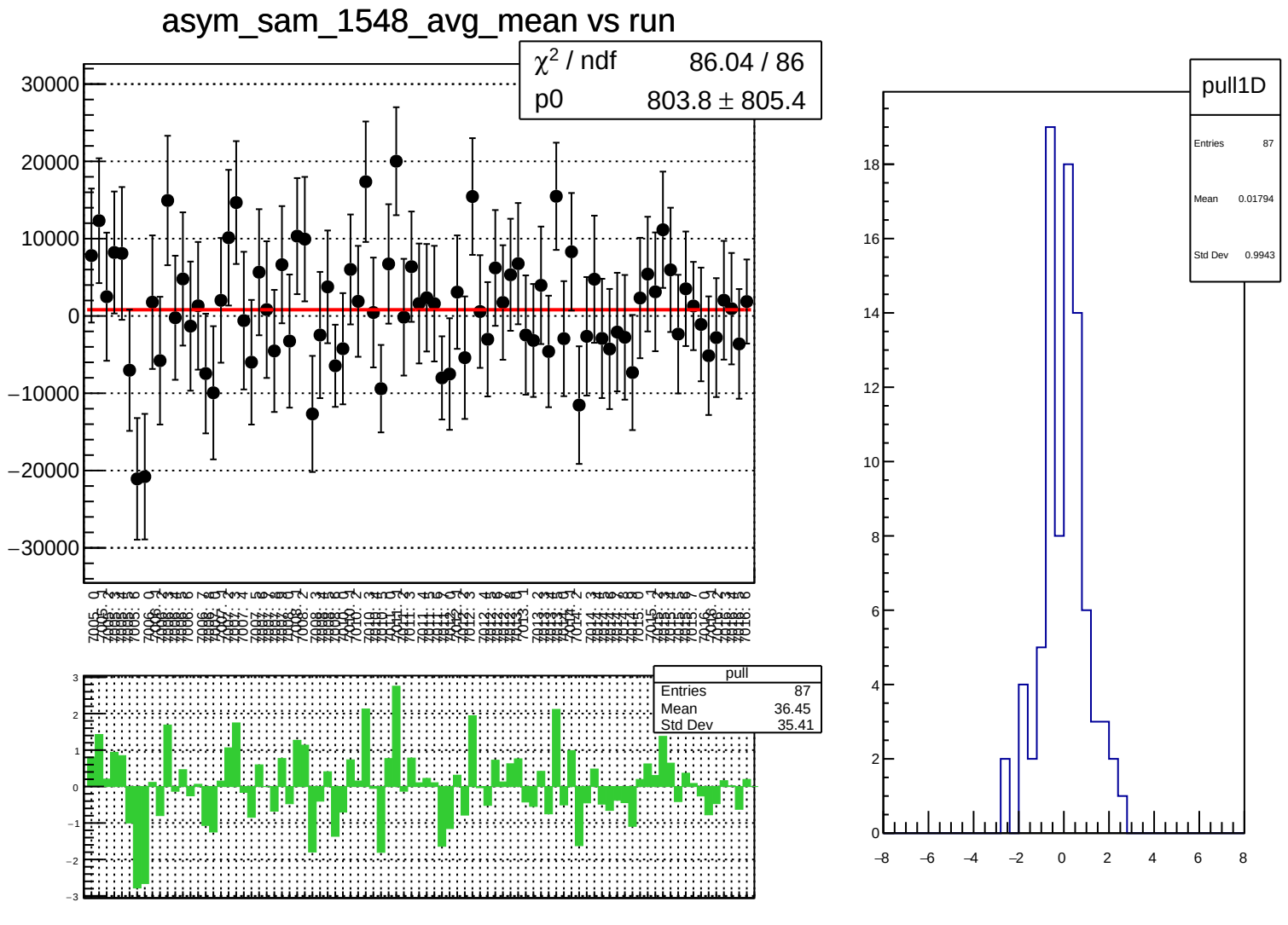

pull1D
Entries 87
Mean −0.002218
Std Dev 0.8619

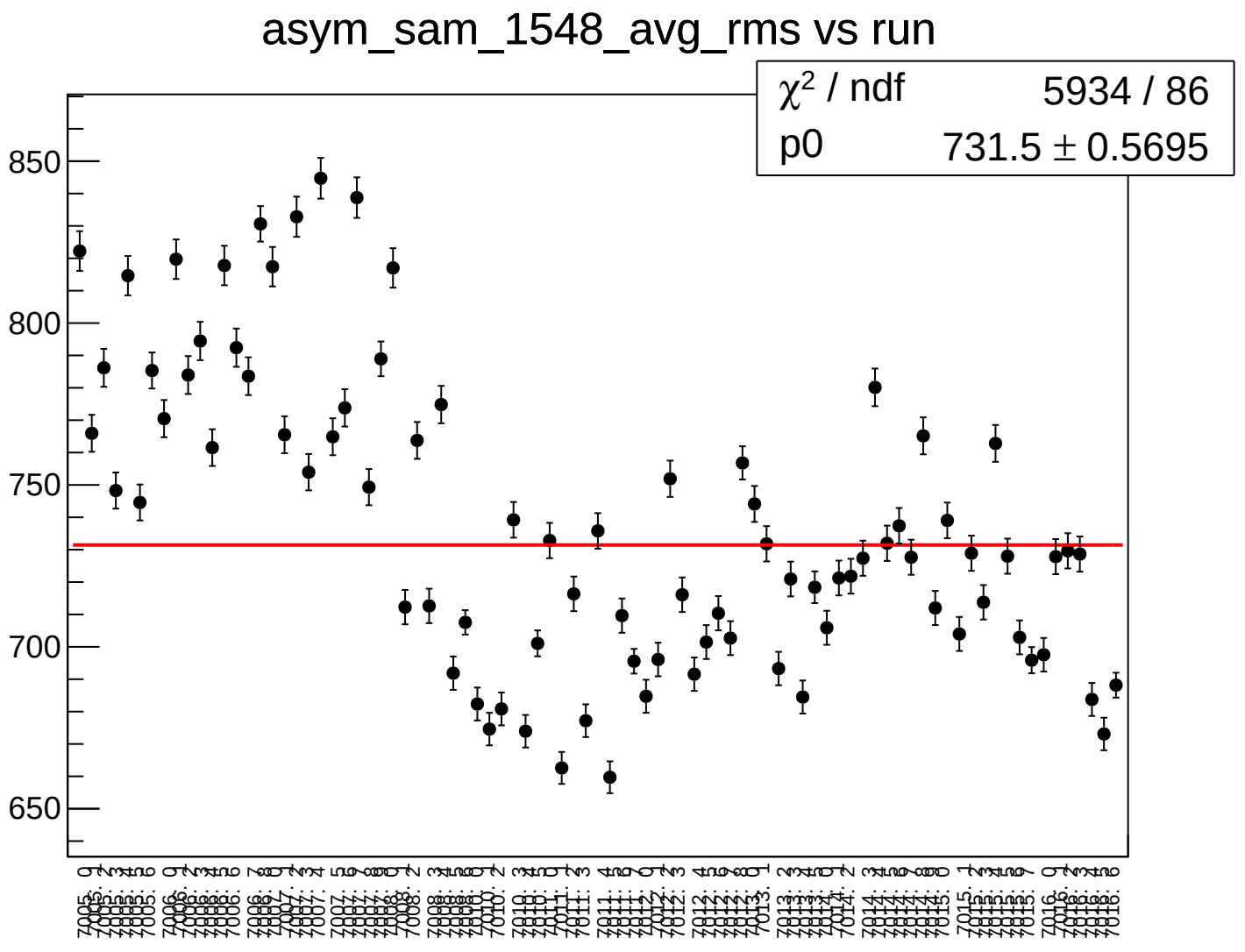

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2015 / 86
p0 104.4 ± 0.08116
112
110
108
106
104
102
100
98
96

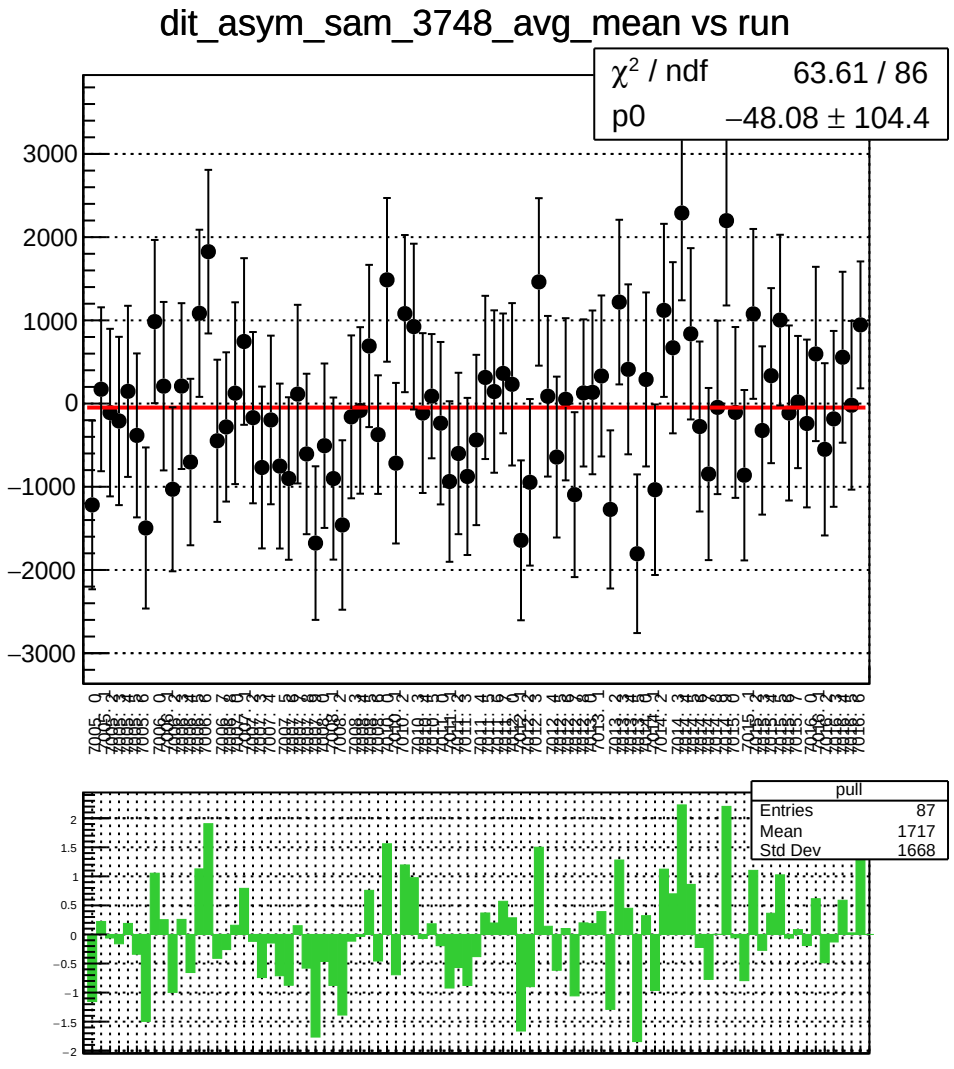

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 89.49 / 86
p0 −838.5 ± 808.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 2.464
Std Dev 54.09
3
2
1
0
−1
−2
−3

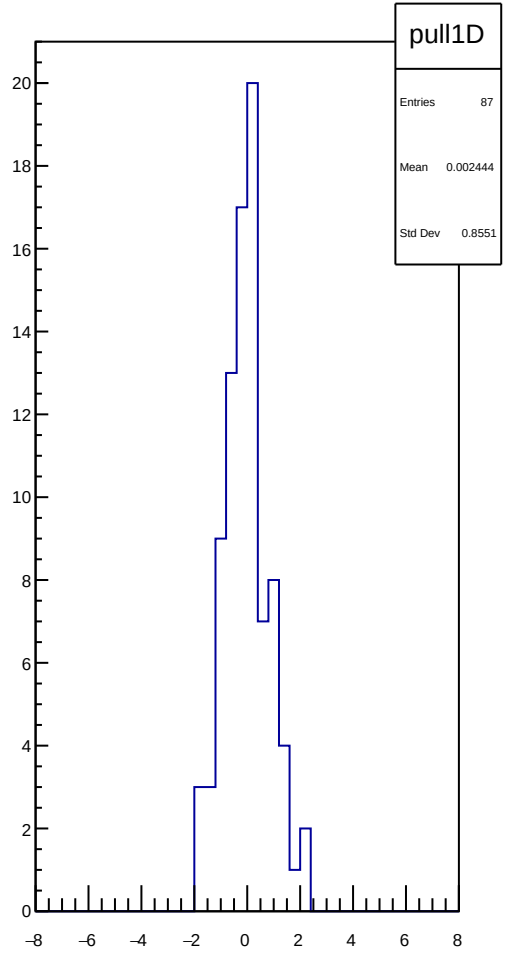

pull1D
Entries 87
Mean −0.01918
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

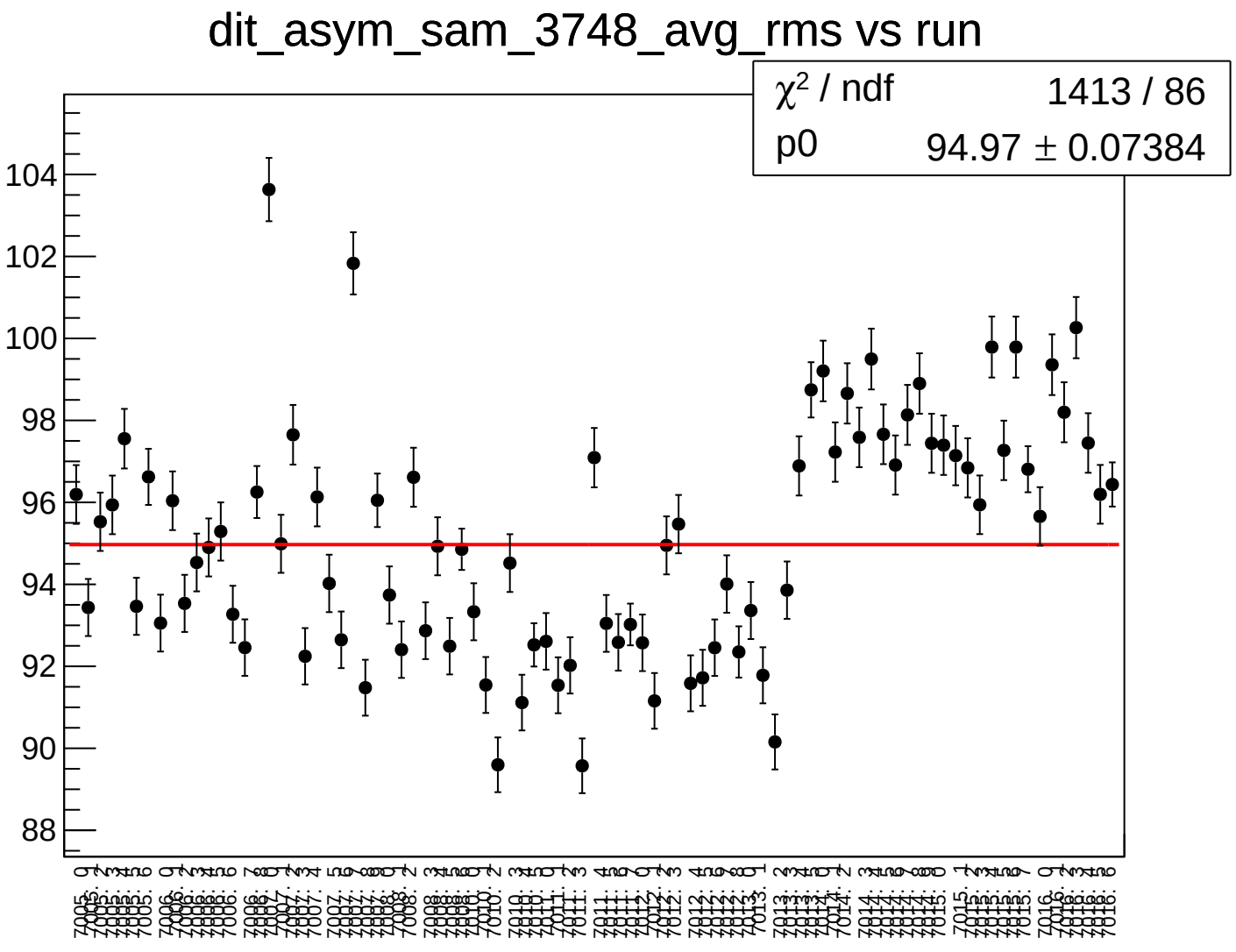

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 5409 / 86
p0 734.4 ± 0.5717
850
800
750
700
650

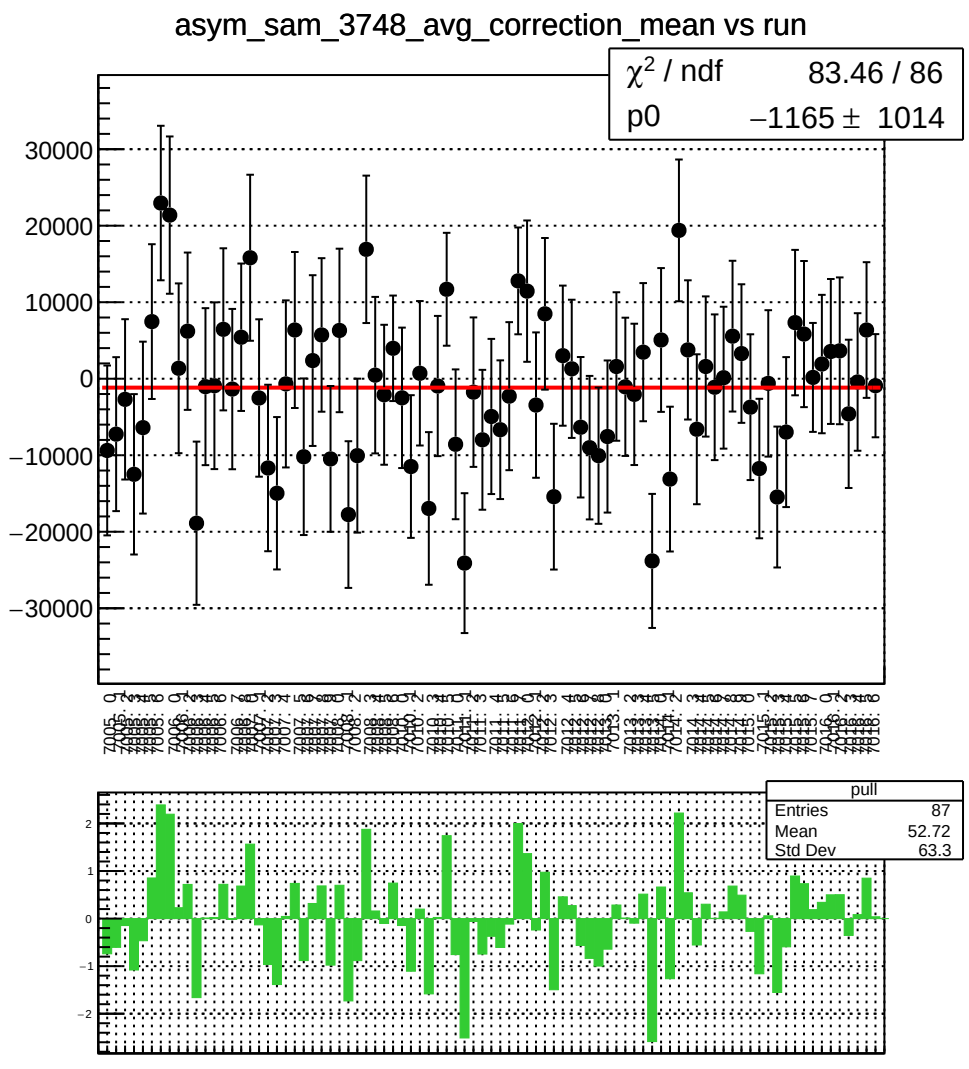

asym_sam_1548_avg_mean vs run
χ² / ndf 86.04 / 86
p0 803.8 ± 805.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 36.45
Std Dev 35.41
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.01794
Std Dev 0.9943
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

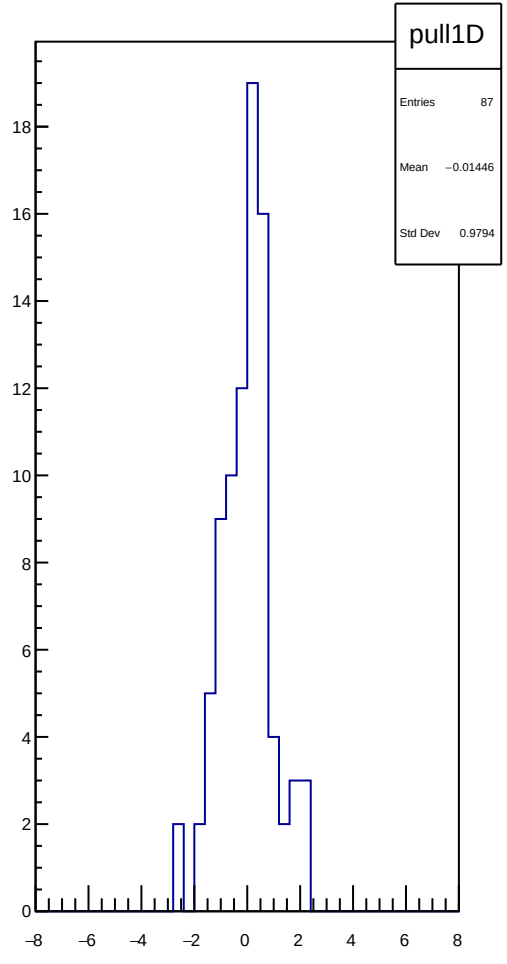

asym_sam_1548_avg_rms vs run
χ² / ndf 5934 / 86
p0 731.5 ± 0.5695
850
800
750
700
650

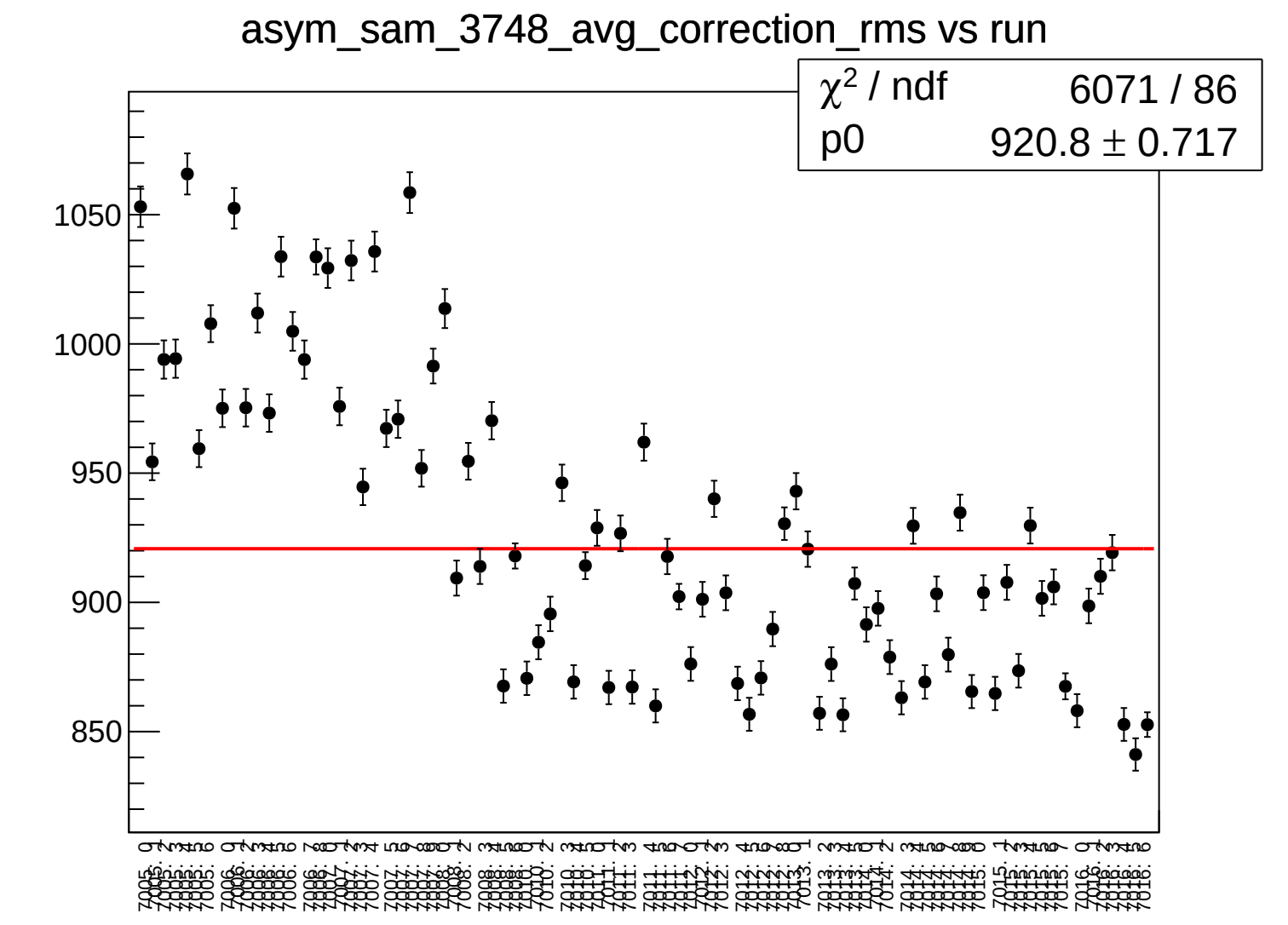

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 63.61 / 86
p0 −48.08 ± 104.4
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean 1717
Std Dev 1668
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

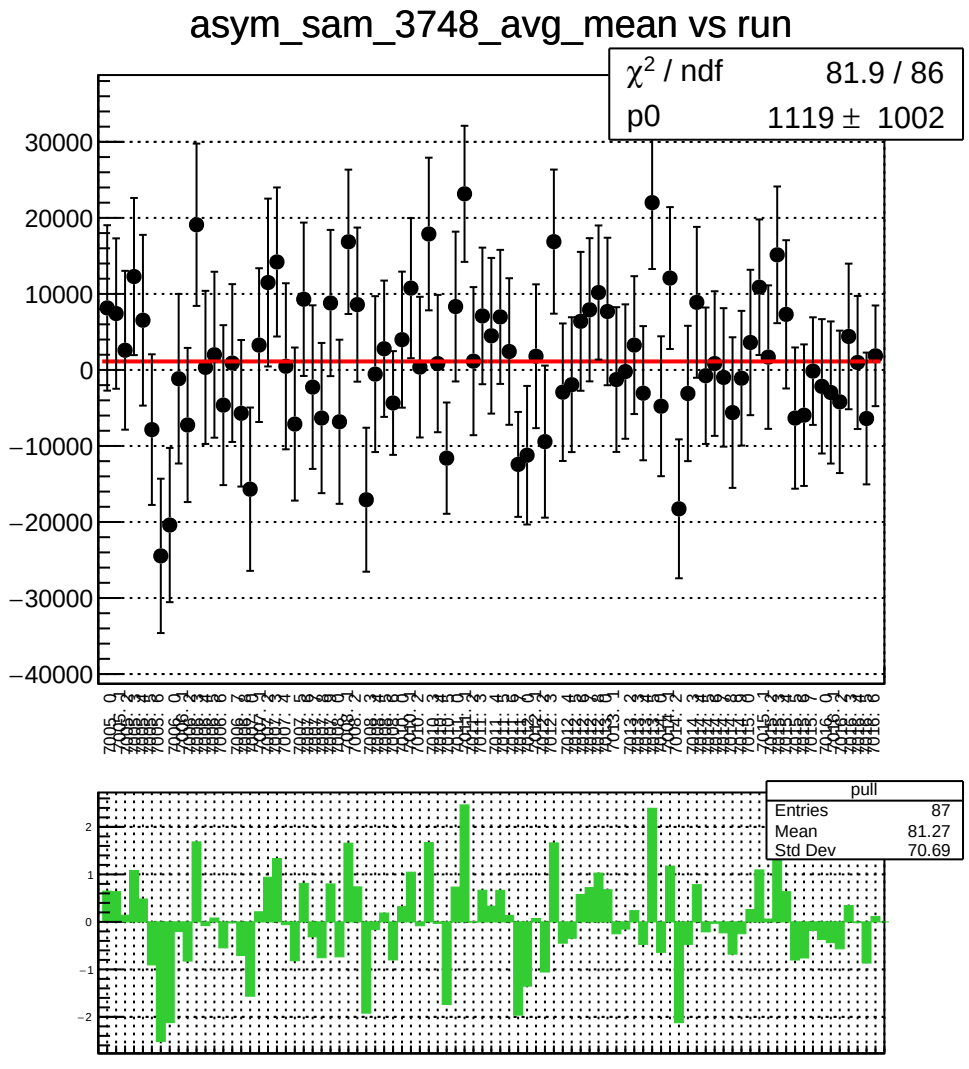

pull1D
Entries 87
Mean 0.002444
Std Dev 0.8551
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

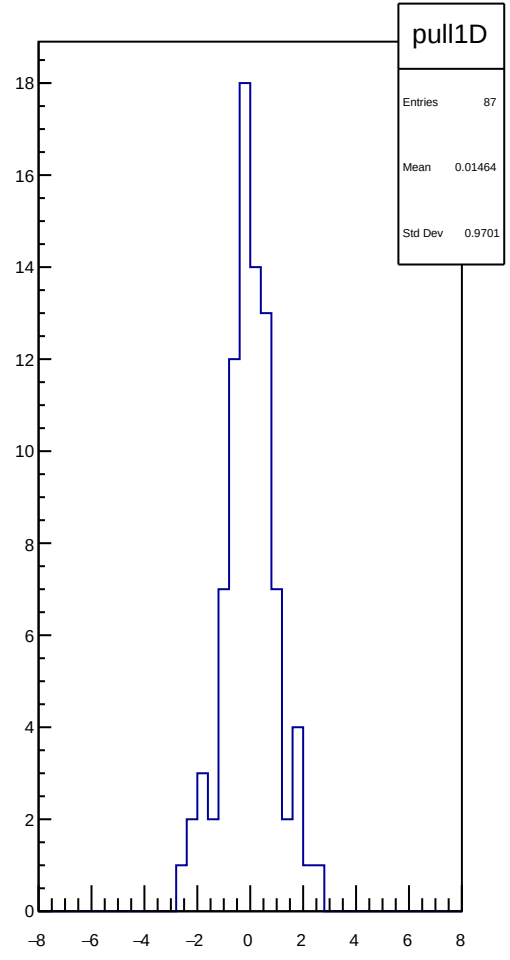

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1413 / 86
p0 94.97 ± 0.07384
104
102
100
98
96
94
92
90
88

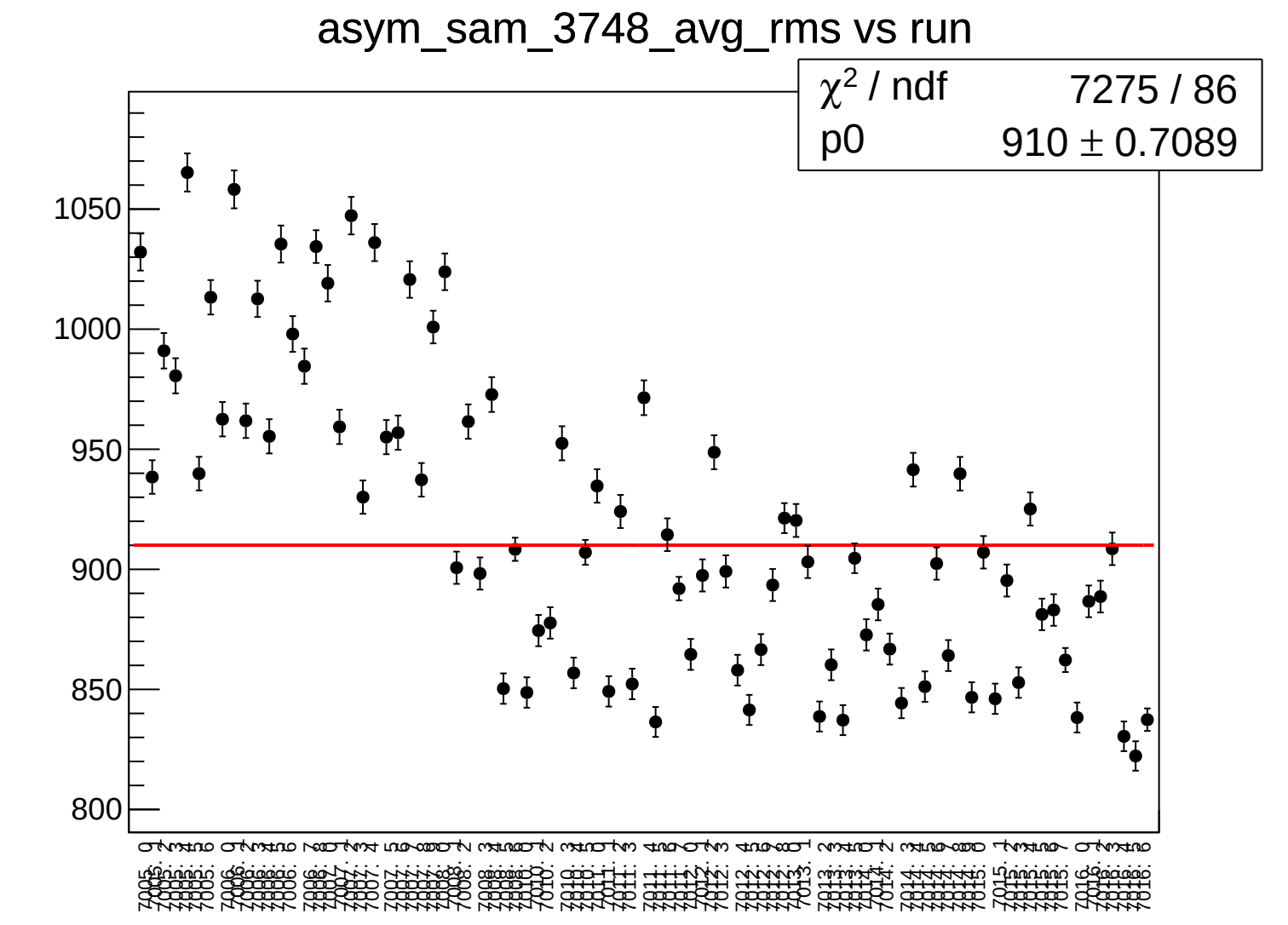

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 83.46 / 86
p0 −1165 ± 1014
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 52.72
Std Dev 63.3
2
1
0
−1
−2

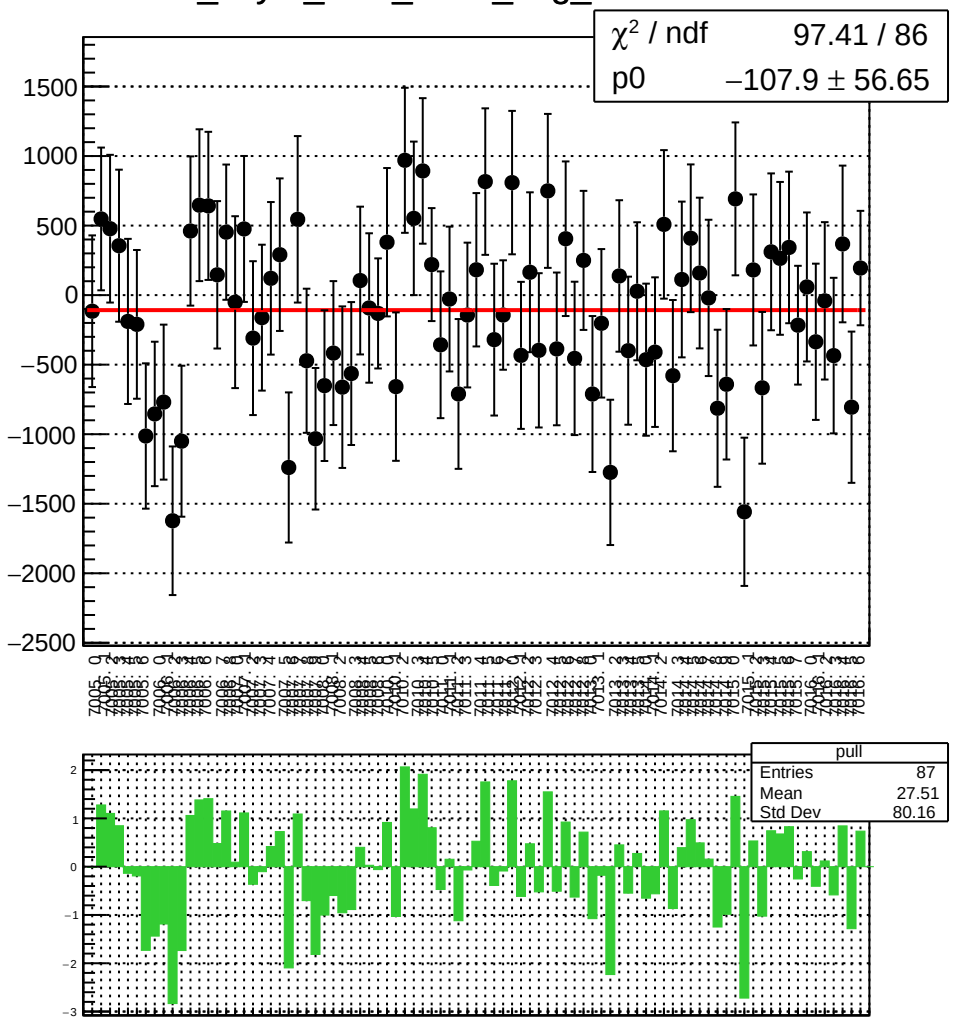

pull1D
Entries 87
Mean −0.01446
Std Dev 0.9794
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

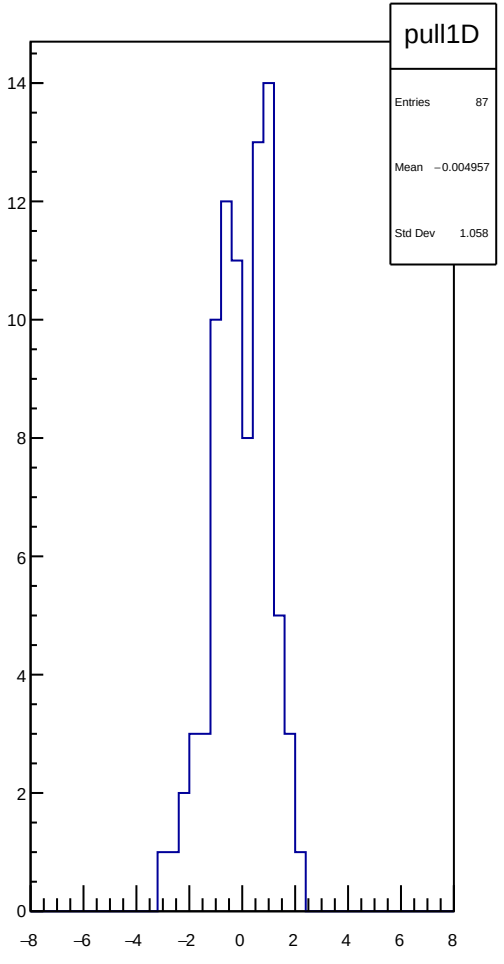

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 6071 / 86
p0 920.8 ± 0.717
1050
1000
950
900
850

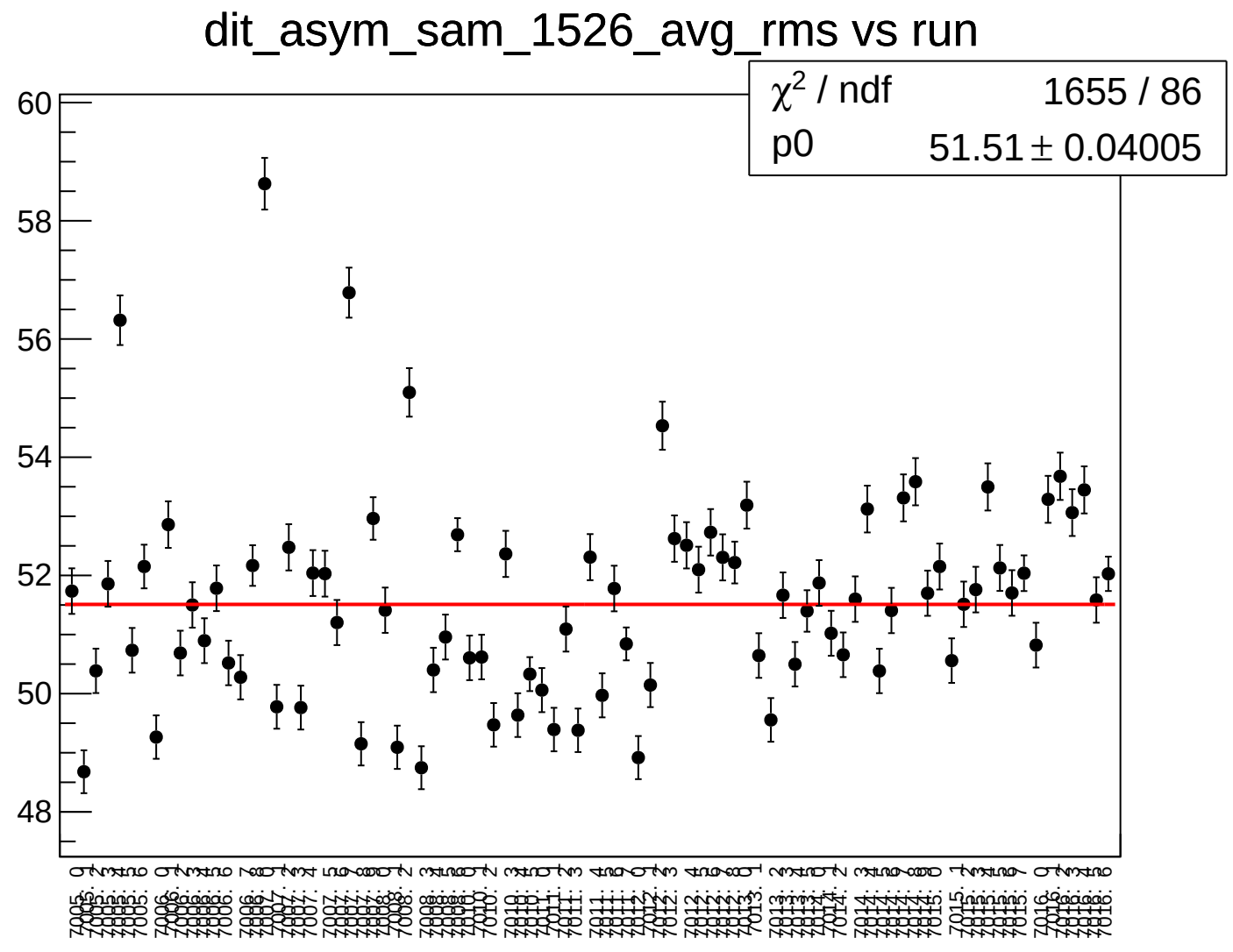

asym_sam_3748_avg_mean vs run
χ² / ndf 81.9 / 86
p0 1119 ± 1002
pull
Entries 87
Mean 81.27
Std Dev 70.69

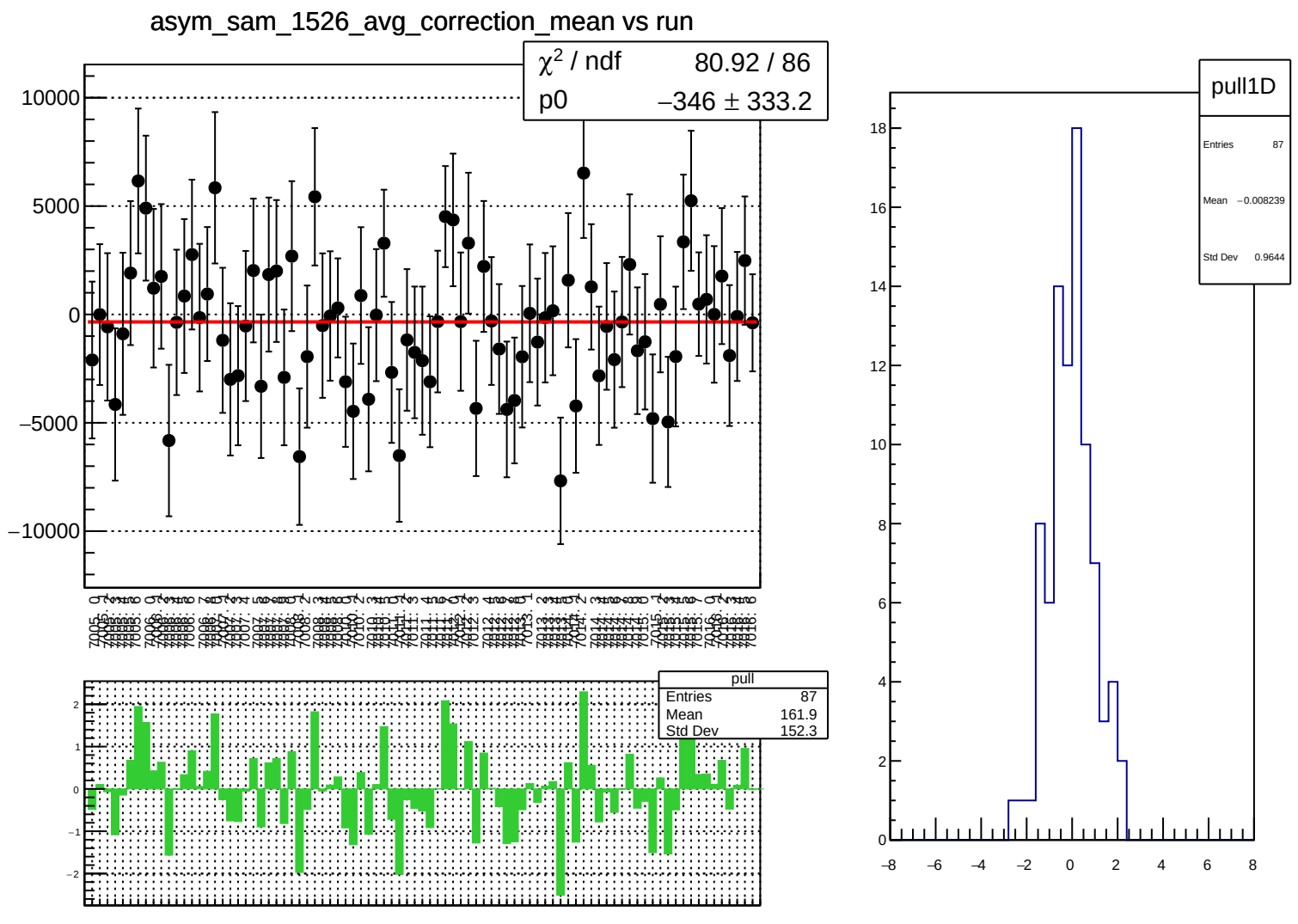

pull1D
Entries 87
Mean 0.01464
Std Dev 0.9701

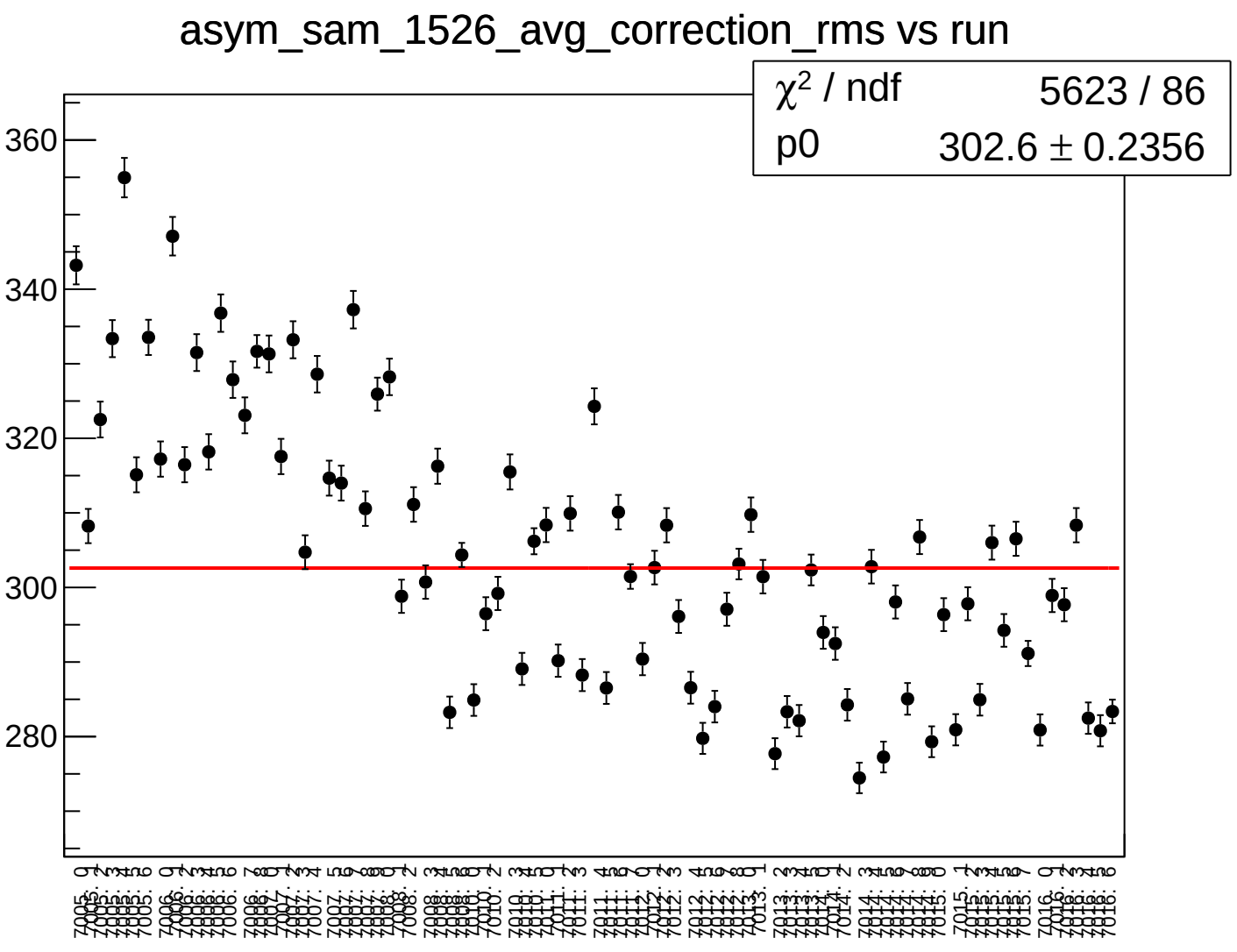

asym_sam_3748_avg_rms vs run
χ² / ndf 7275 / 86
p0 910 ± 0.7089
1050
1000
950
900
850
800

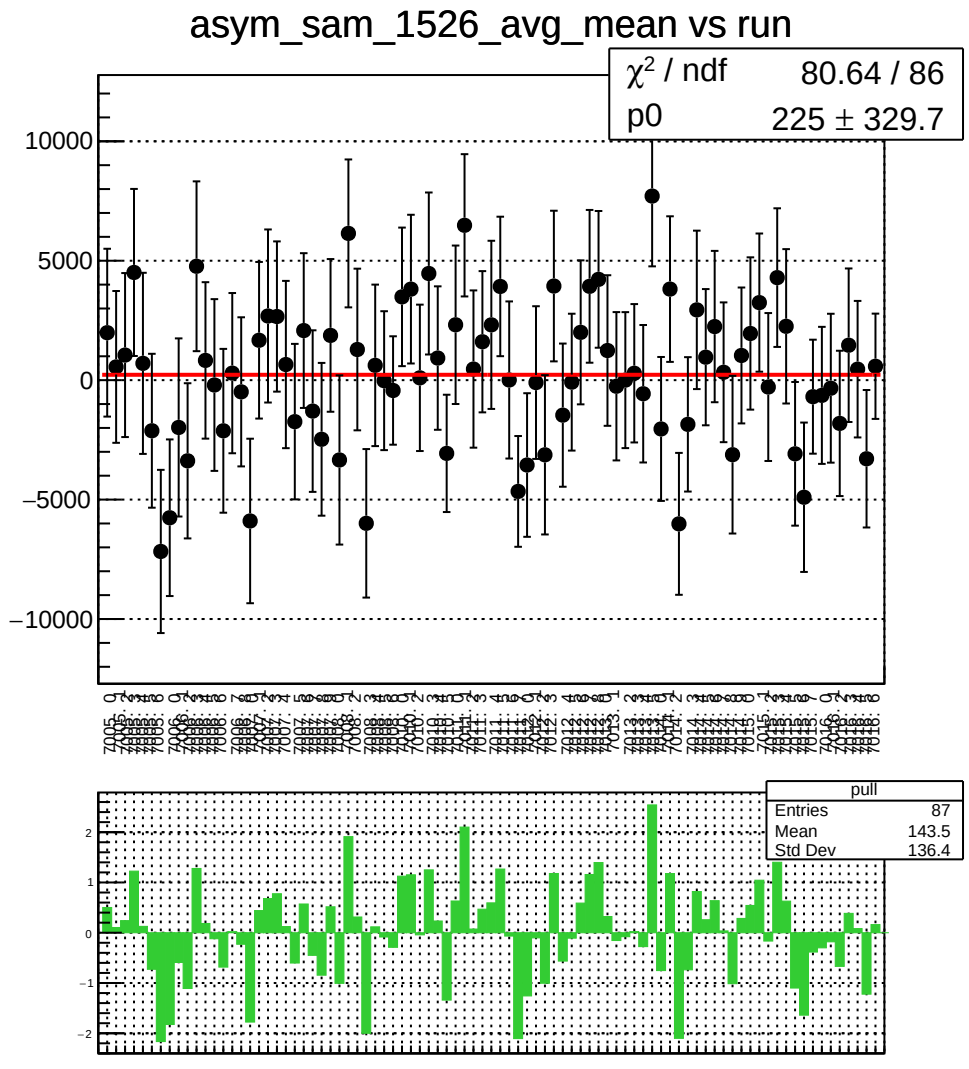

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 97.41 / 86
p0 −107.9 ± 56.65
pull
Entries 87
Mean 27.51
Std Dev 80.16

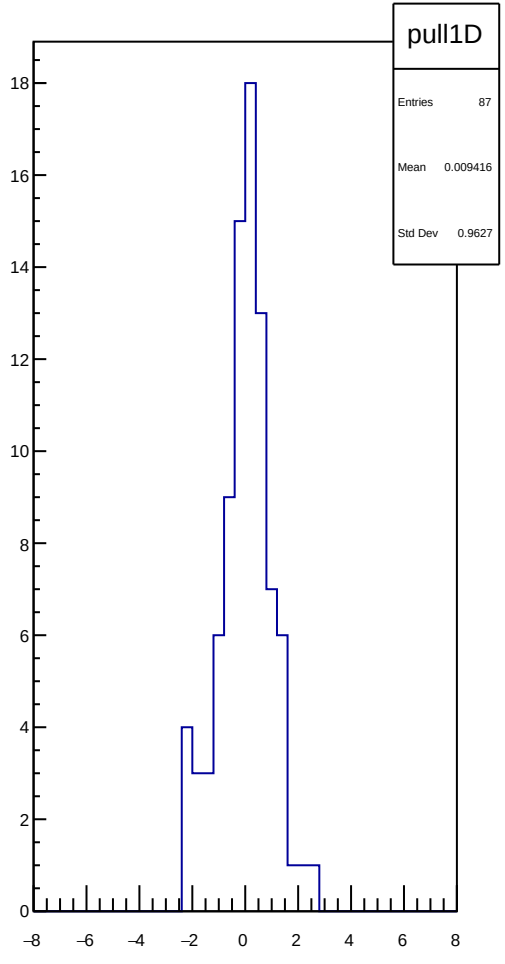

pull1D
Entries 87
Mean −0.004957
Std Dev 1.058

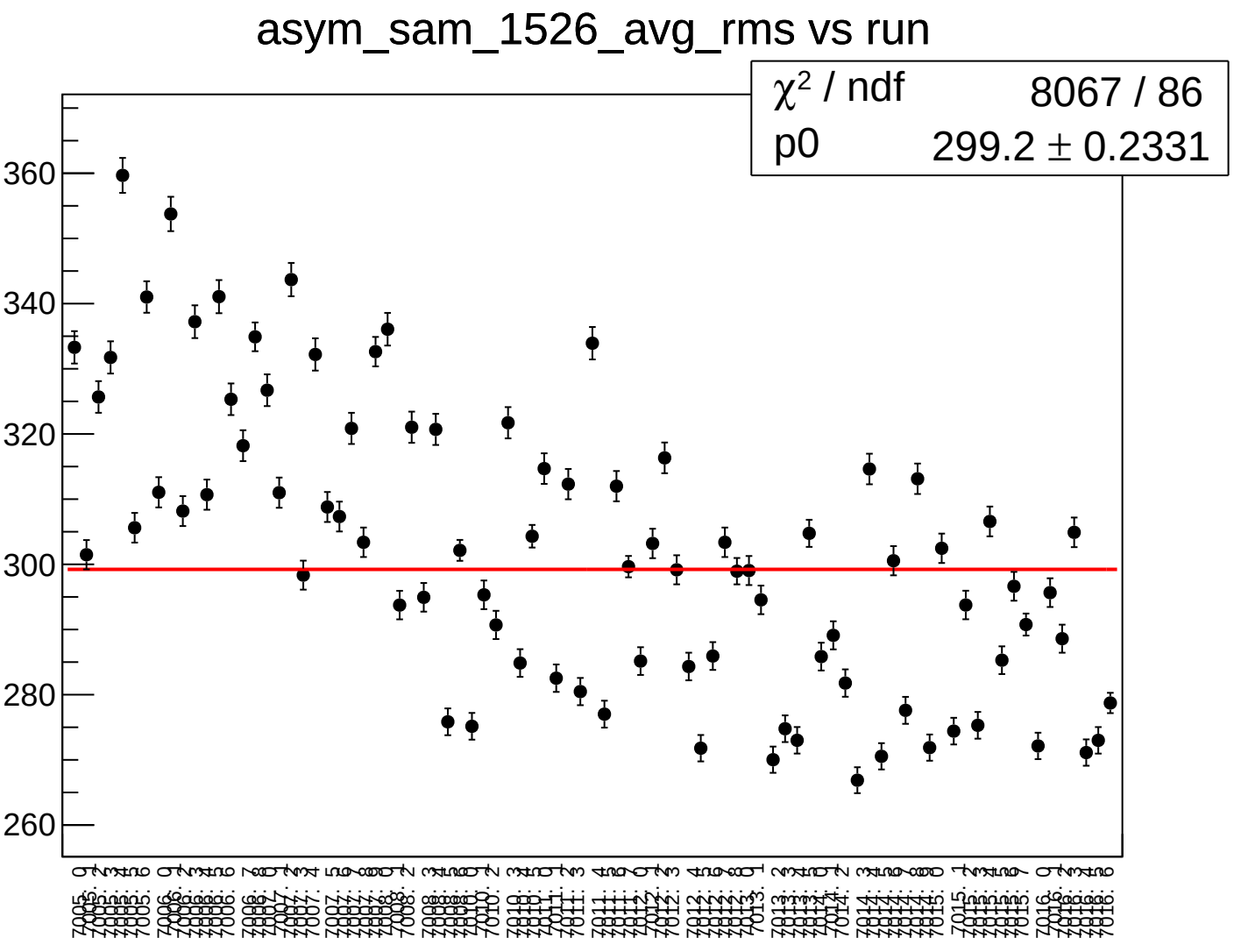

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1655 / 86
p0 51.51 ± 0.04005
60
58
56
54
52
50
48

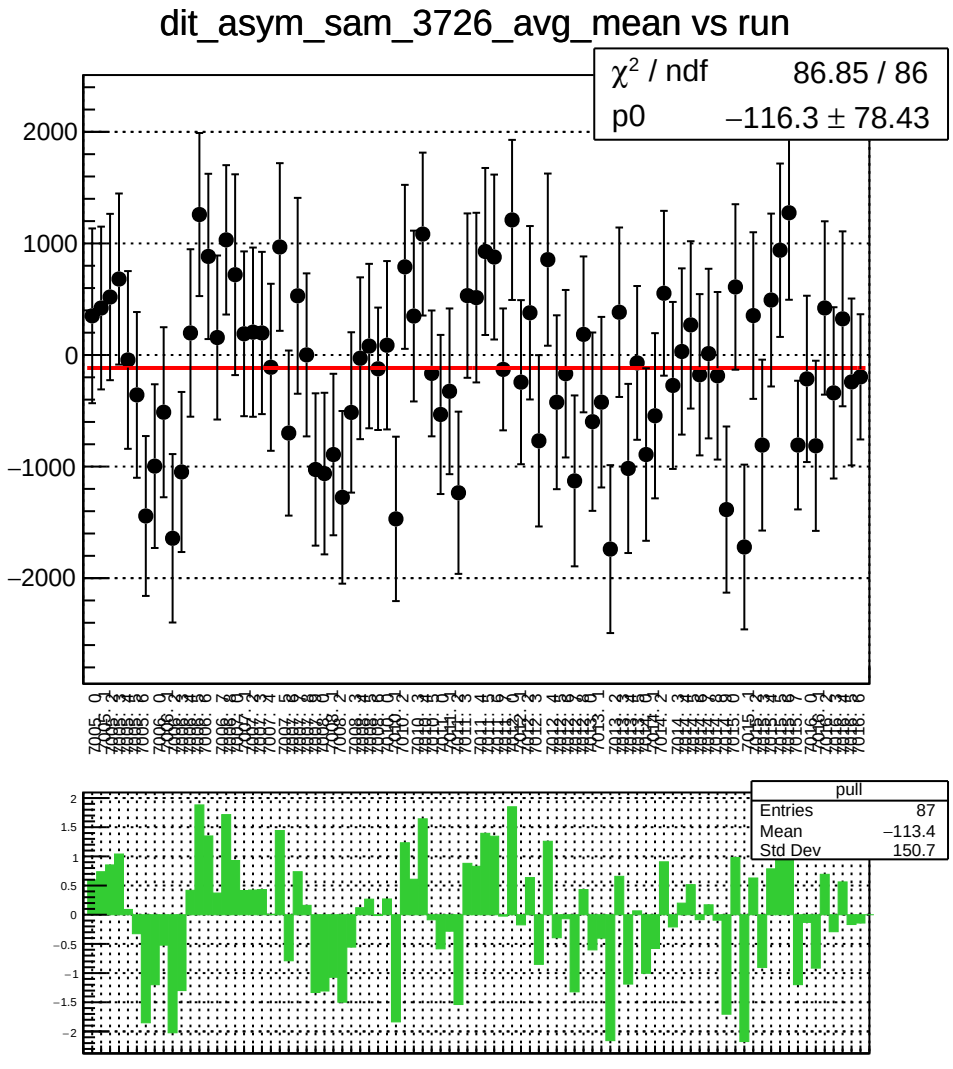

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 80.92 / 86
p0 −346 ± 333.2
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 161.9
Std Dev 152.3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.008239
Std Dev 0.9644
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

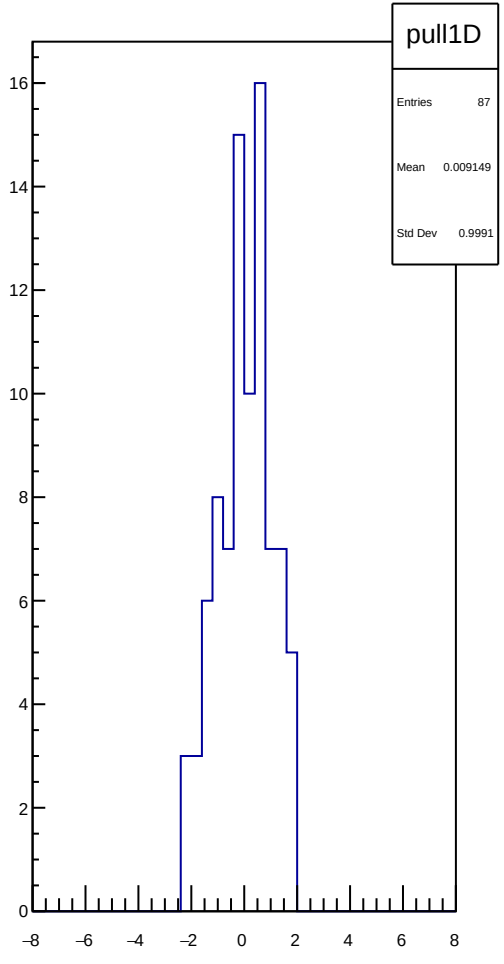

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5623 / 86
p0 302.6 ± 0.2356
360
340
320
300
280

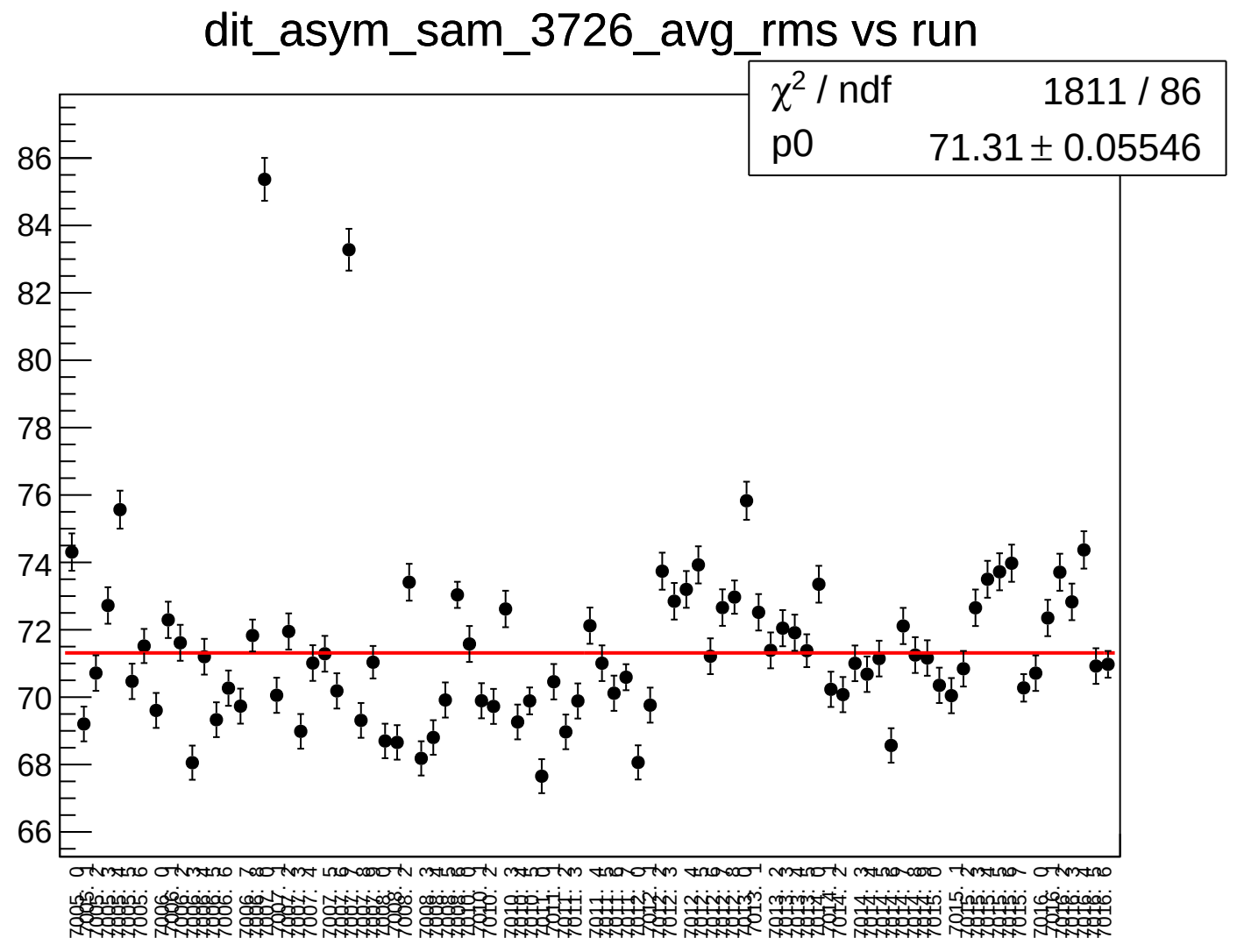

asym_sam_1526_avg_mean vs run
χ² / ndf 80.64 / 86
p0 225 ± 329.7
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 143.5
Std Dev 136.4
2
1
0
−1
−2

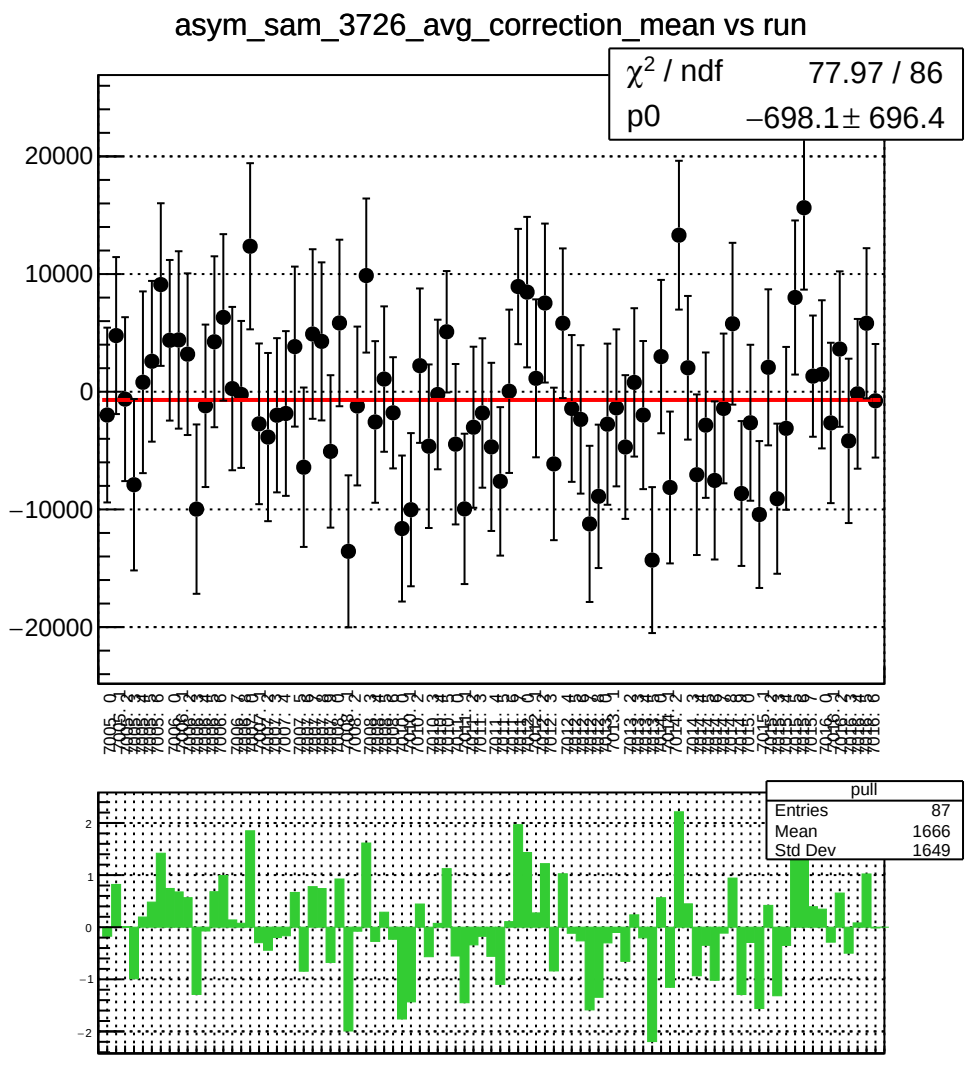

pull1D
Entries 87
Mean 0.009416
Std Dev 0.9627
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

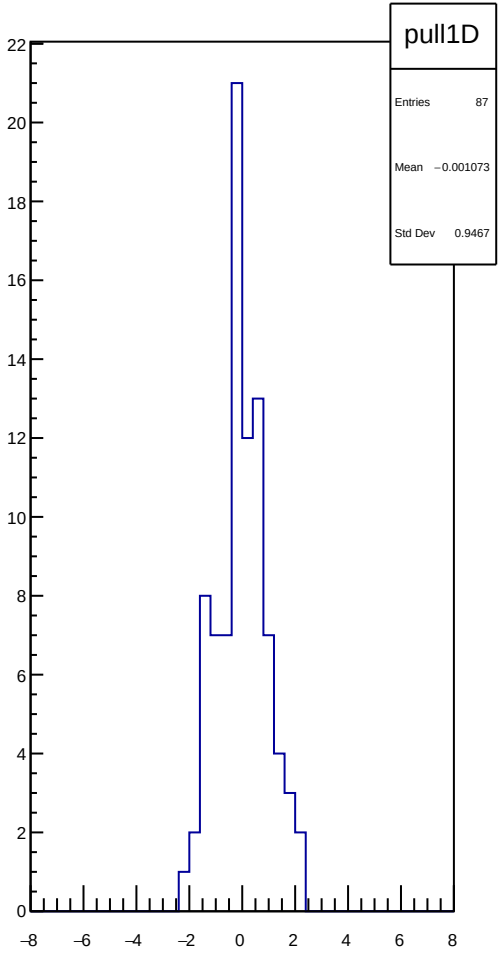

asym_sam_1526_avg_rms vs run
χ² / ndf 8067 / 86
p0 299.2 ± 0.2331
360
340
320
300
280
260

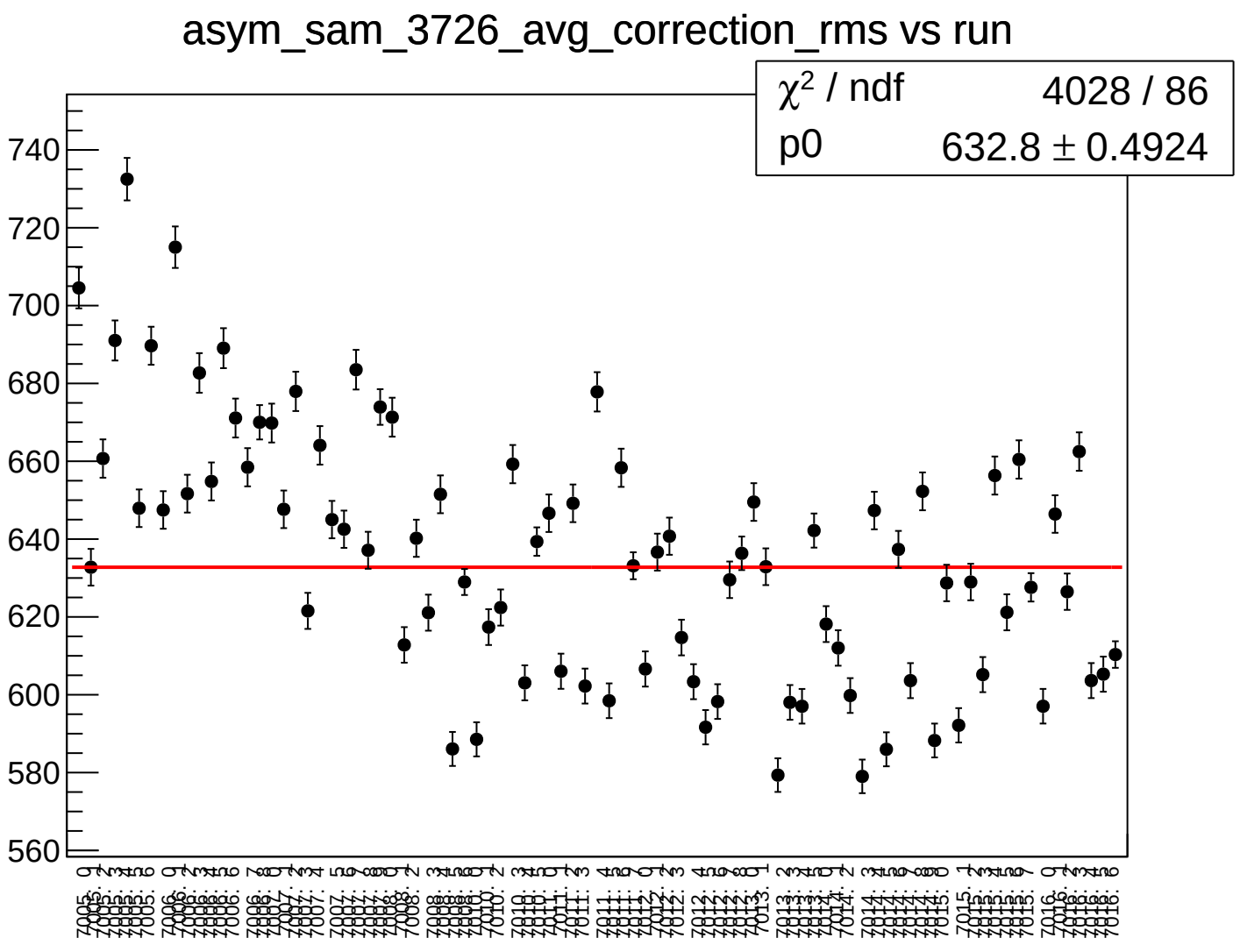

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.85 / 86
p0 −116.3 ± 78.43
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −113.4
Std Dev 150.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

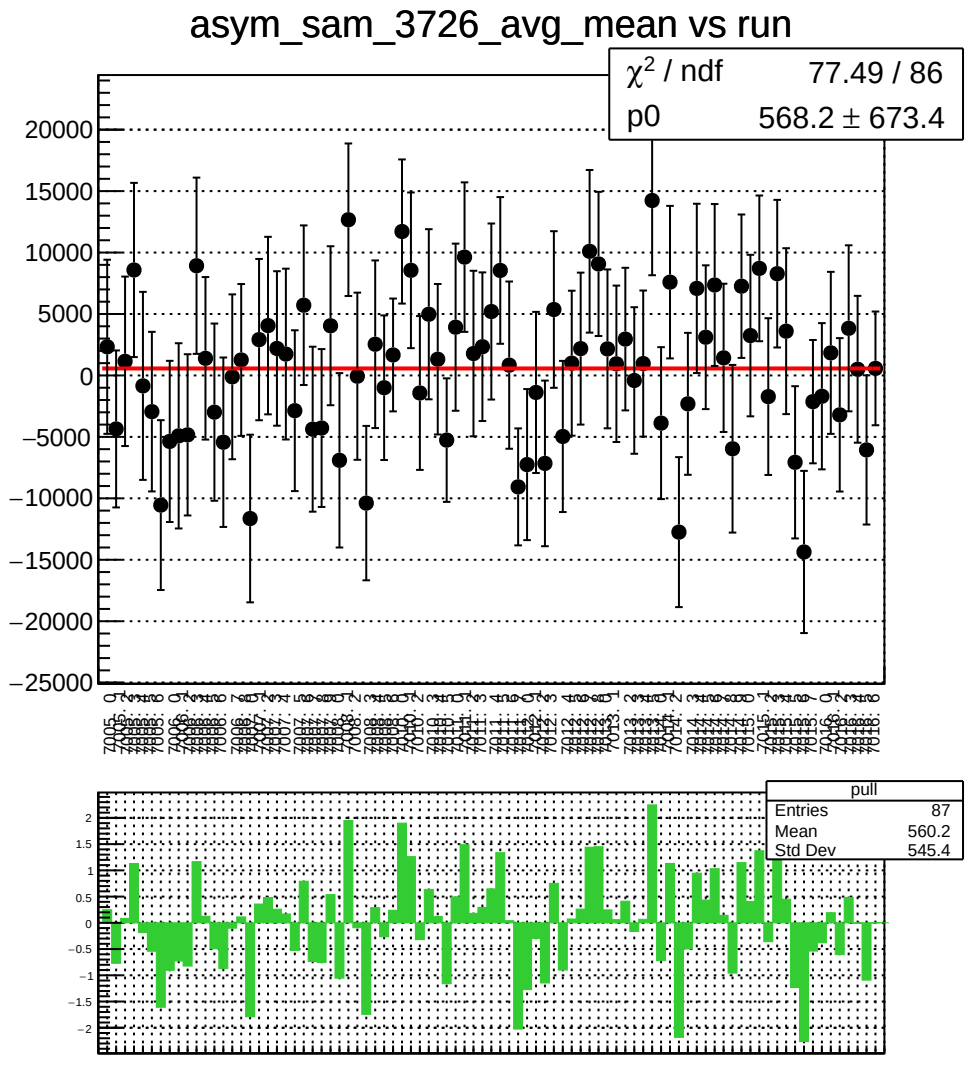

pull1D
Entries 87
Mean 0.009149
Std Dev 0.9991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

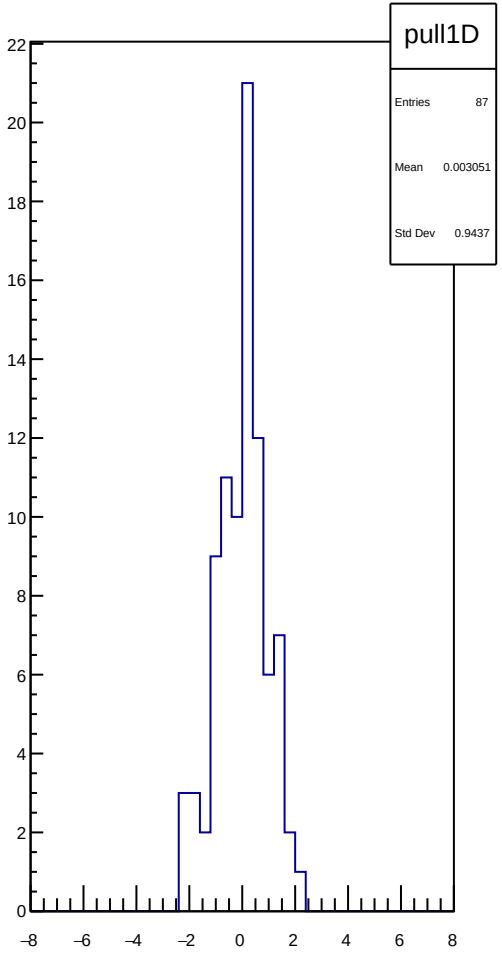

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1811 / 86
p0 71.31 ± 0.05546
86
84
82
80
78
76
74
72
70
68
66

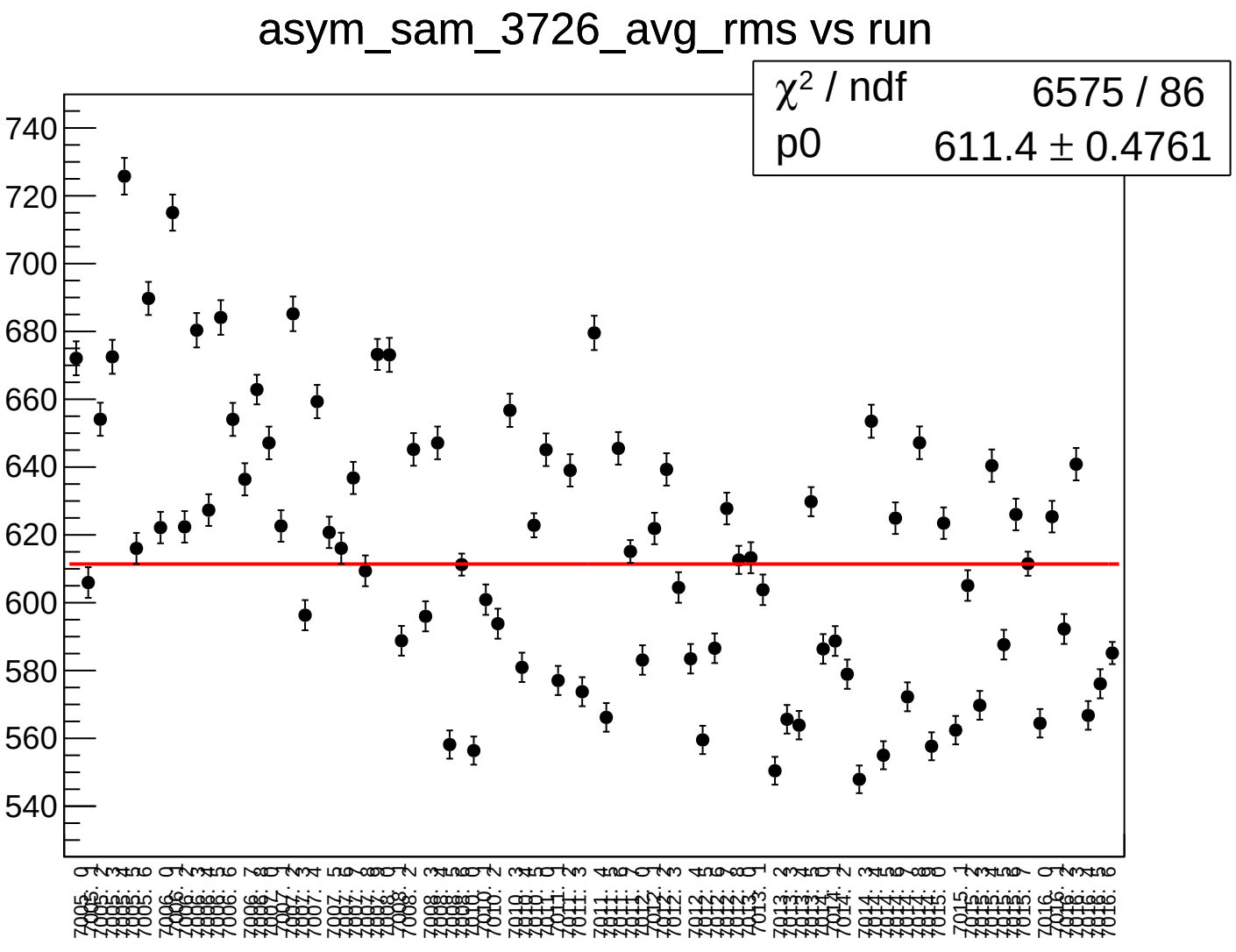

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 77.97 / 86
p0 −698.1 ± 696.4
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 1666
Std Dev 1649
2
1
0
−1
−2

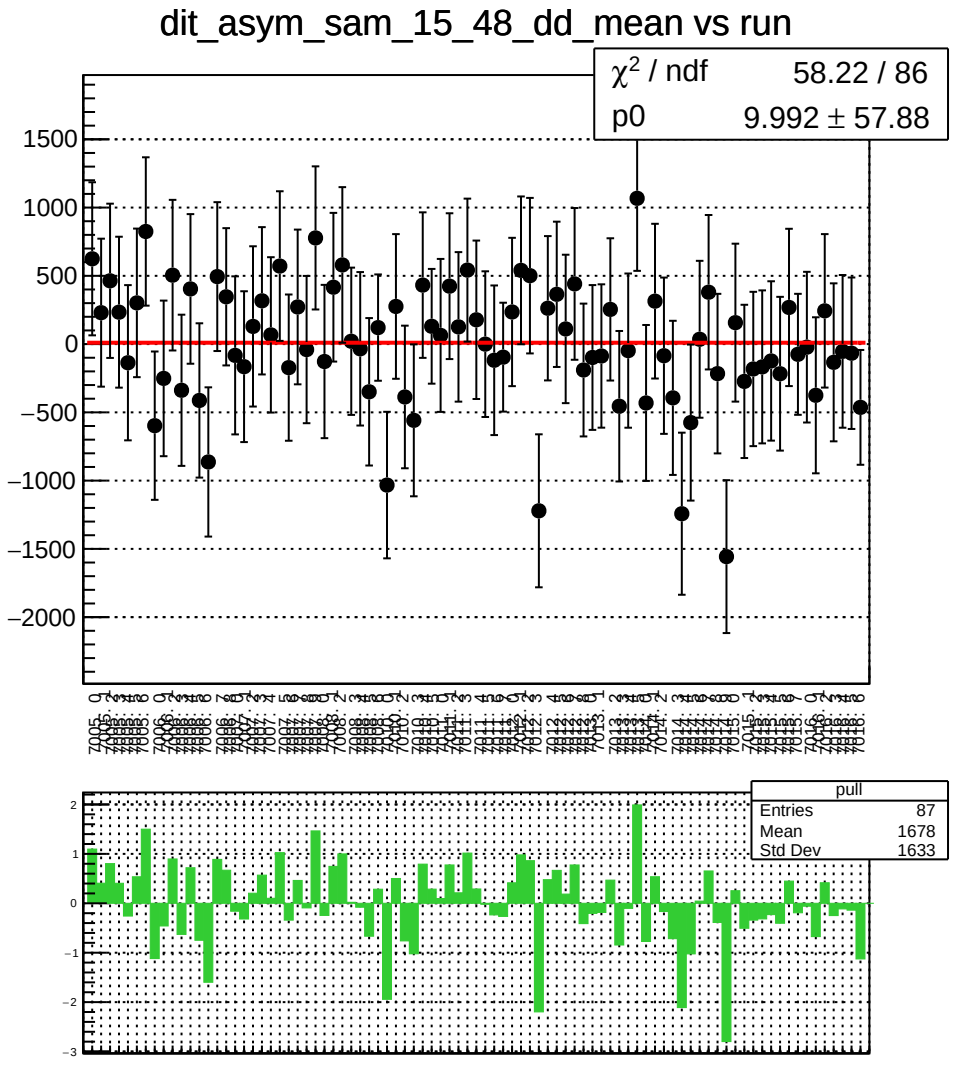

pull1D
Entries 87
Mean −0.001073
Std Dev 0.9467
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

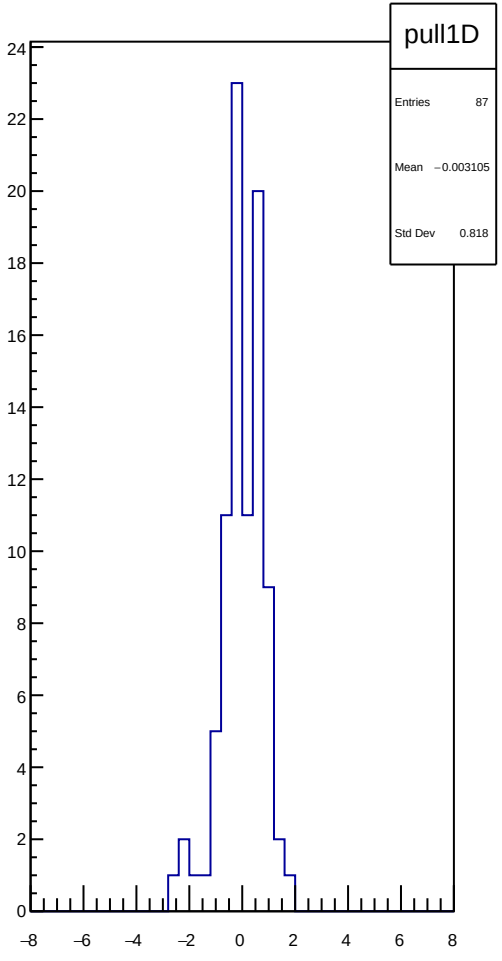

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4028 / 86
p0 632.8 ± 0.4924
740
720
700
680
660
640
620
600
580
560

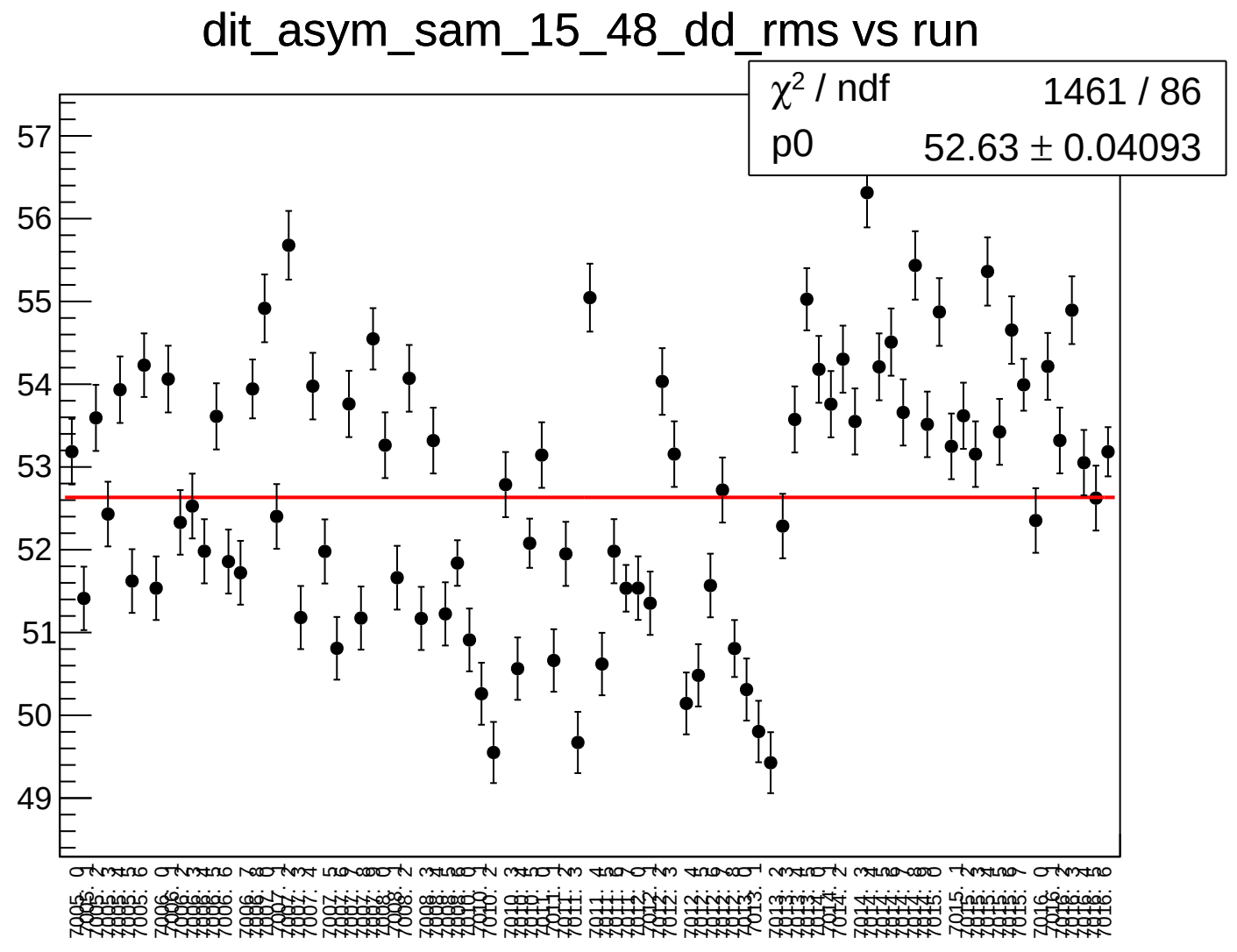

asym_sam_3726_avg_mean vs run
χ² / ndf 77.49 / 86
p0 568.2 ± 673.4
pull
Entries 87
Mean 560.2
Std Dev 545.4

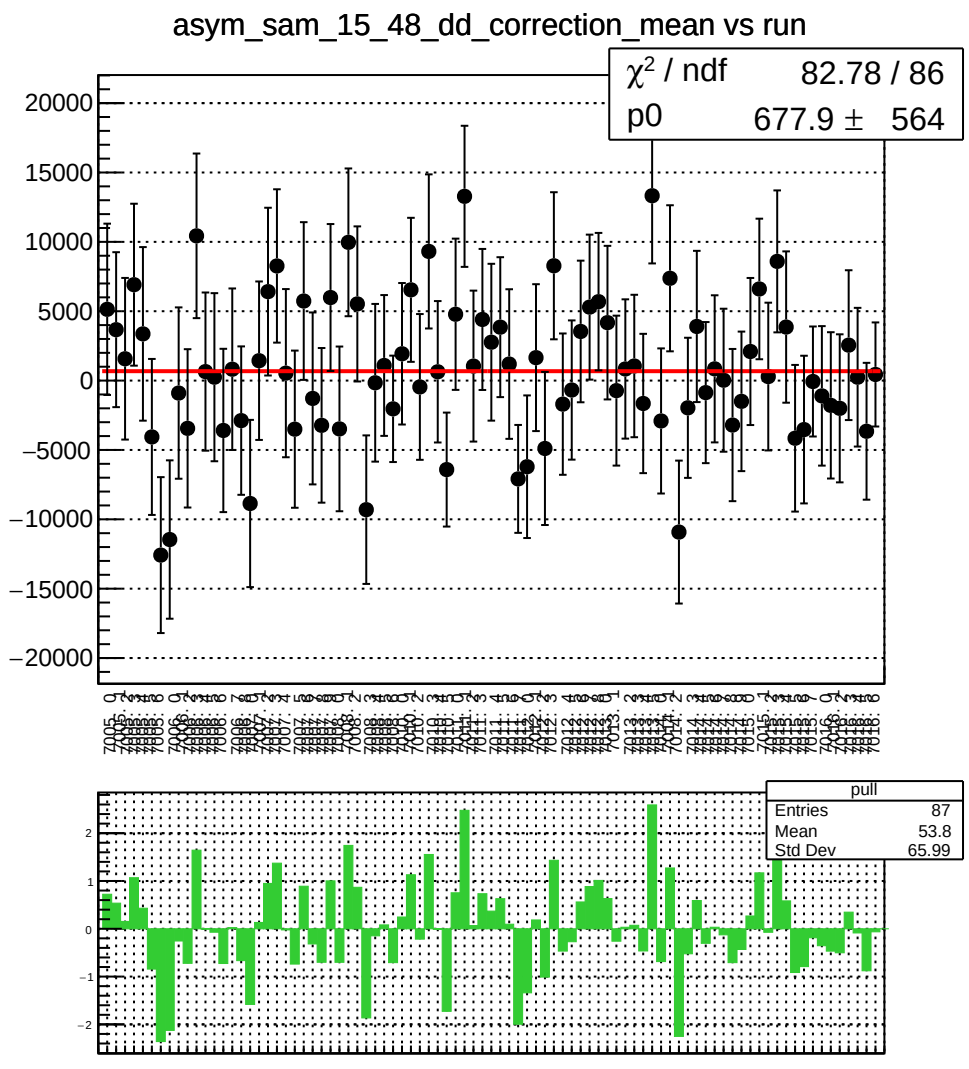

pull1D
Entries 87
Mean 0.003051
Std Dev 0.9437

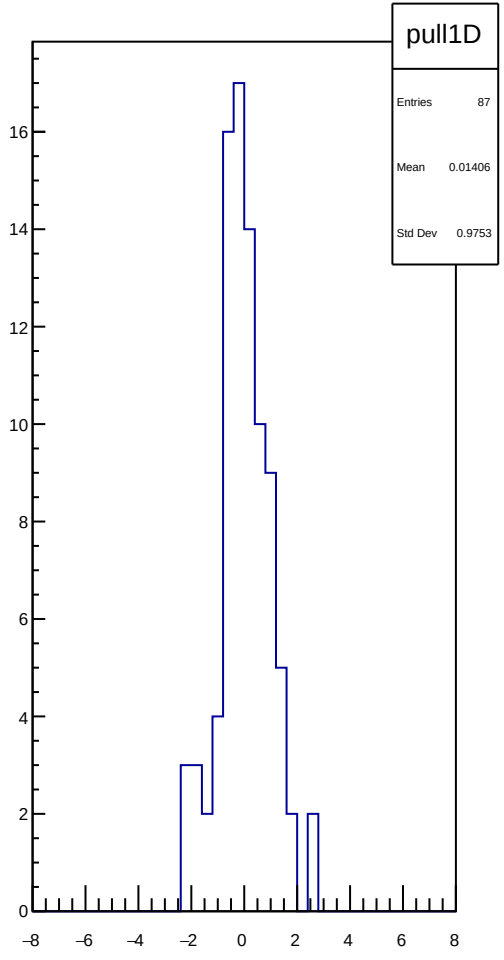

asym_sam_3726_avg_rms vs run
χ² / ndf 6575 / 86
p0 611.4 ± 0.4761
740
720
700
680
660
640
620
600
580
560
540

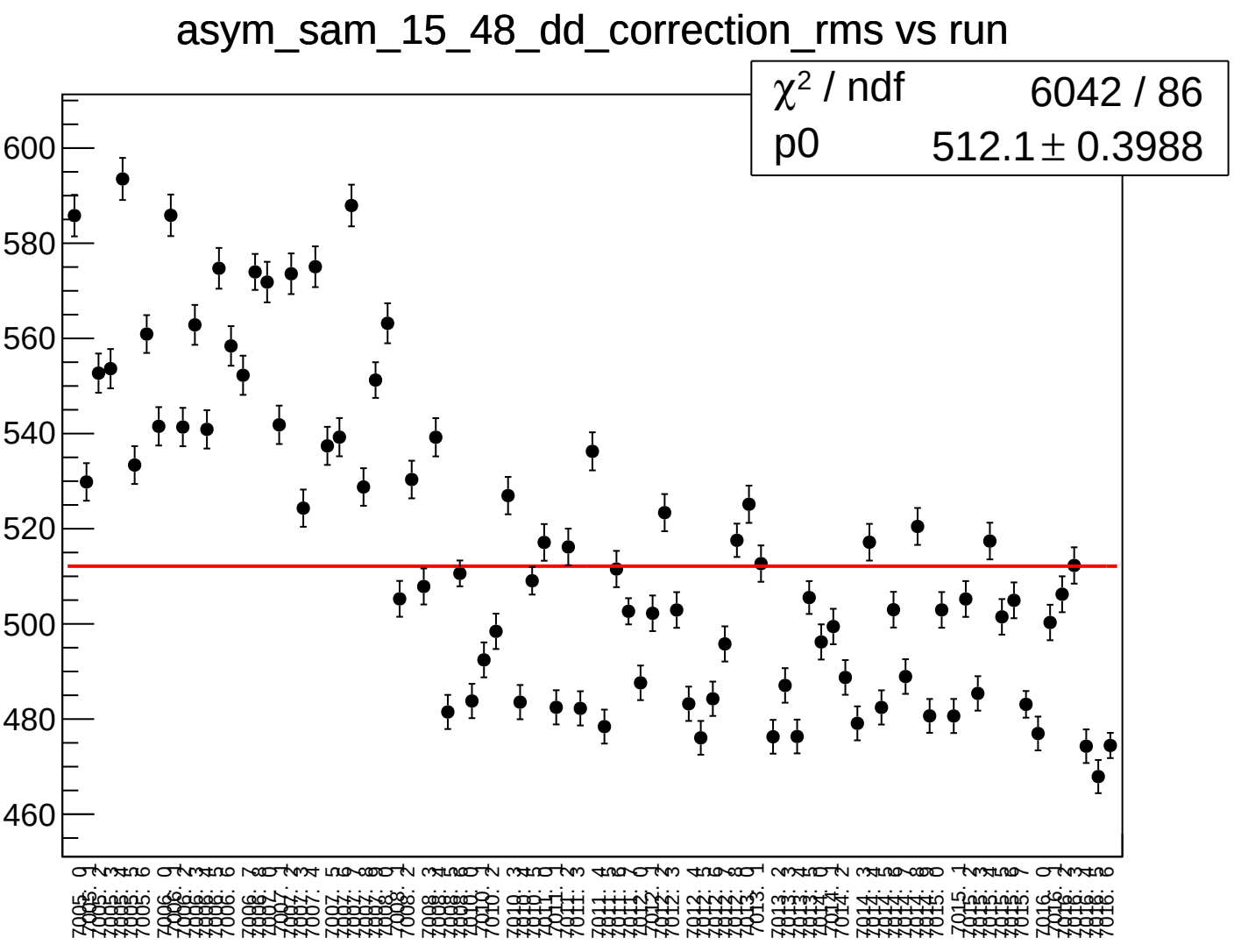

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 58.22 / 86
p0 9.992 ± 57.88
pull
Entries 87
Mean 1678
Std Dev 1633

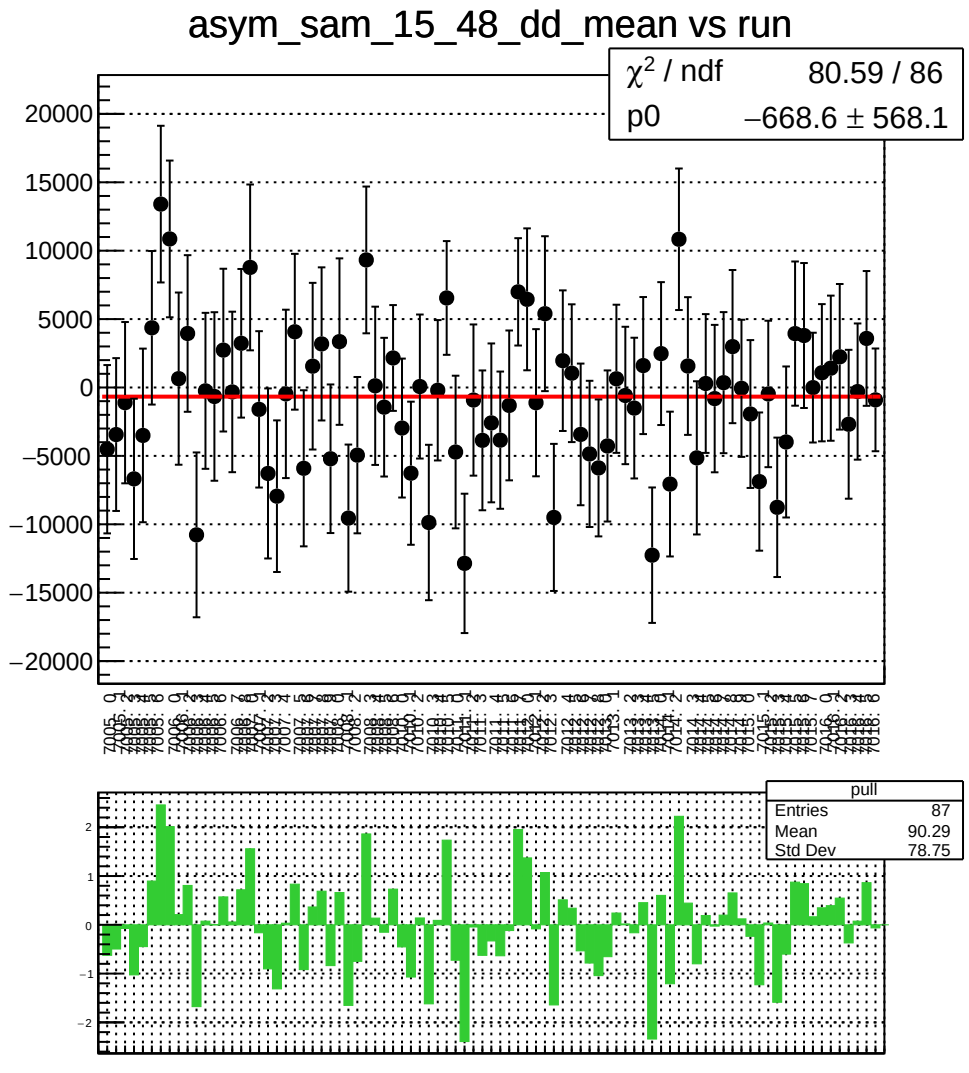

pull1D
Entries 87
Mean −0.003105
Std Dev 0.818

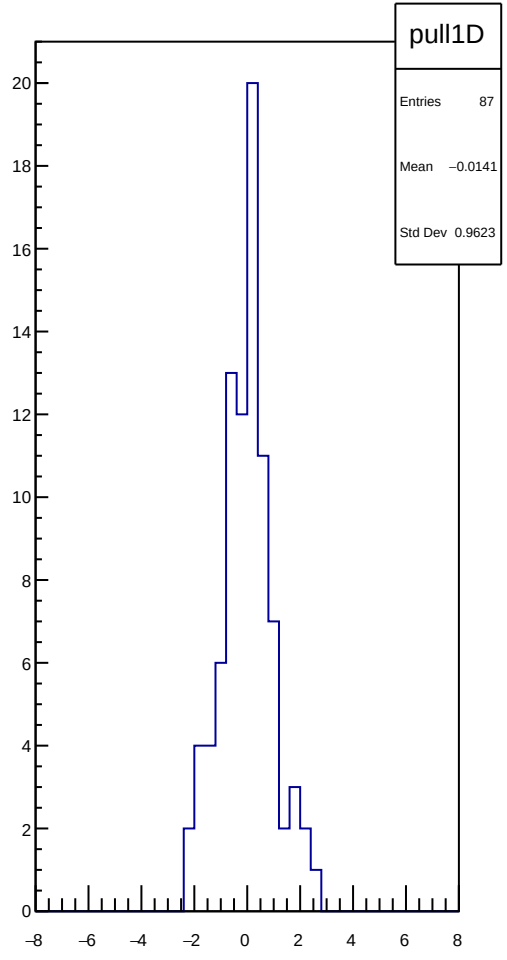

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1461 / 86
p0 52.63 ± 0.04093
57
56
55
54
53
52
51
50
49

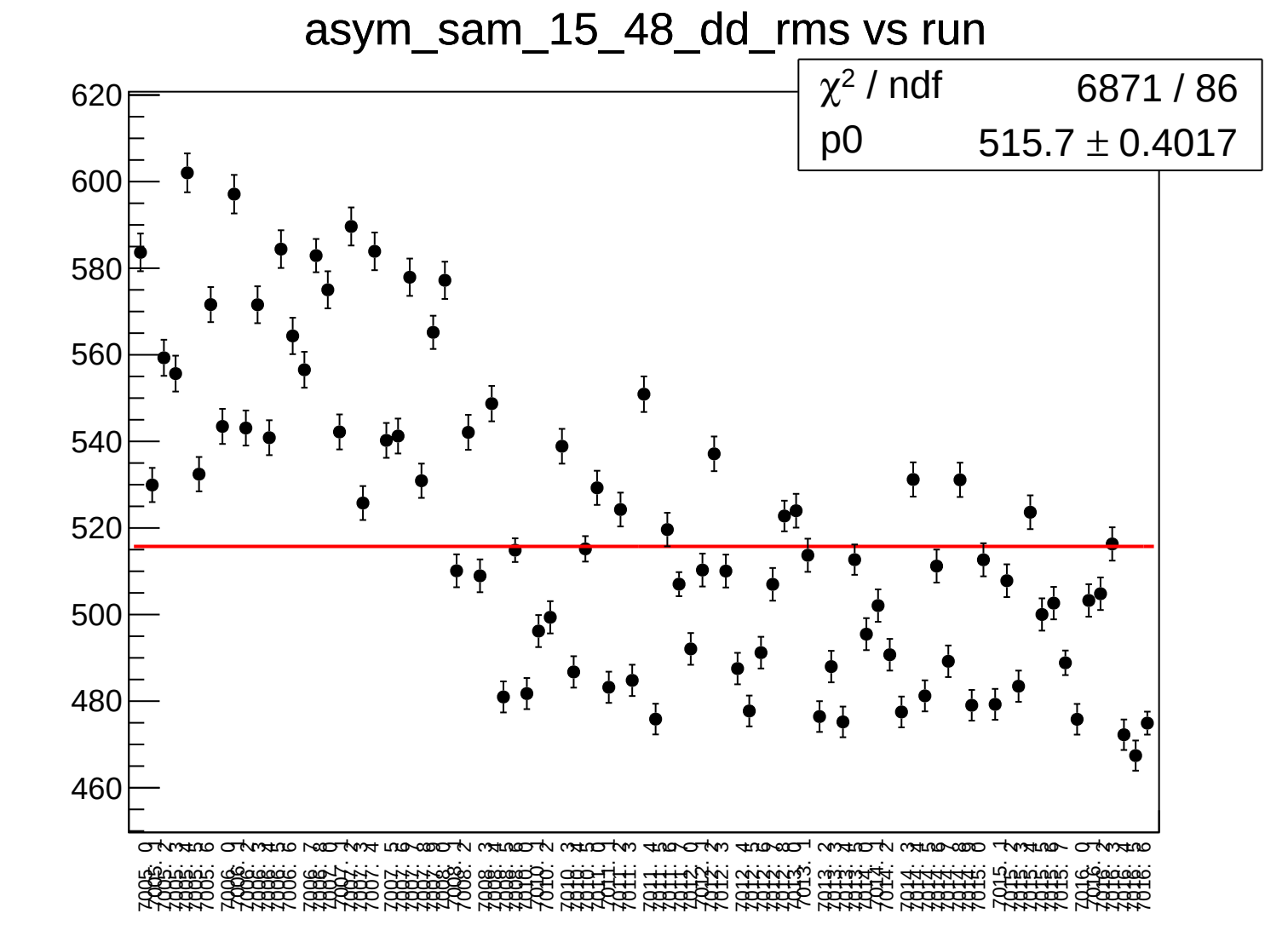

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 82.78 / 86
p0 677.9 ± 564
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean 53.8
Std Dev 65.99
2
1
0
−1
−2

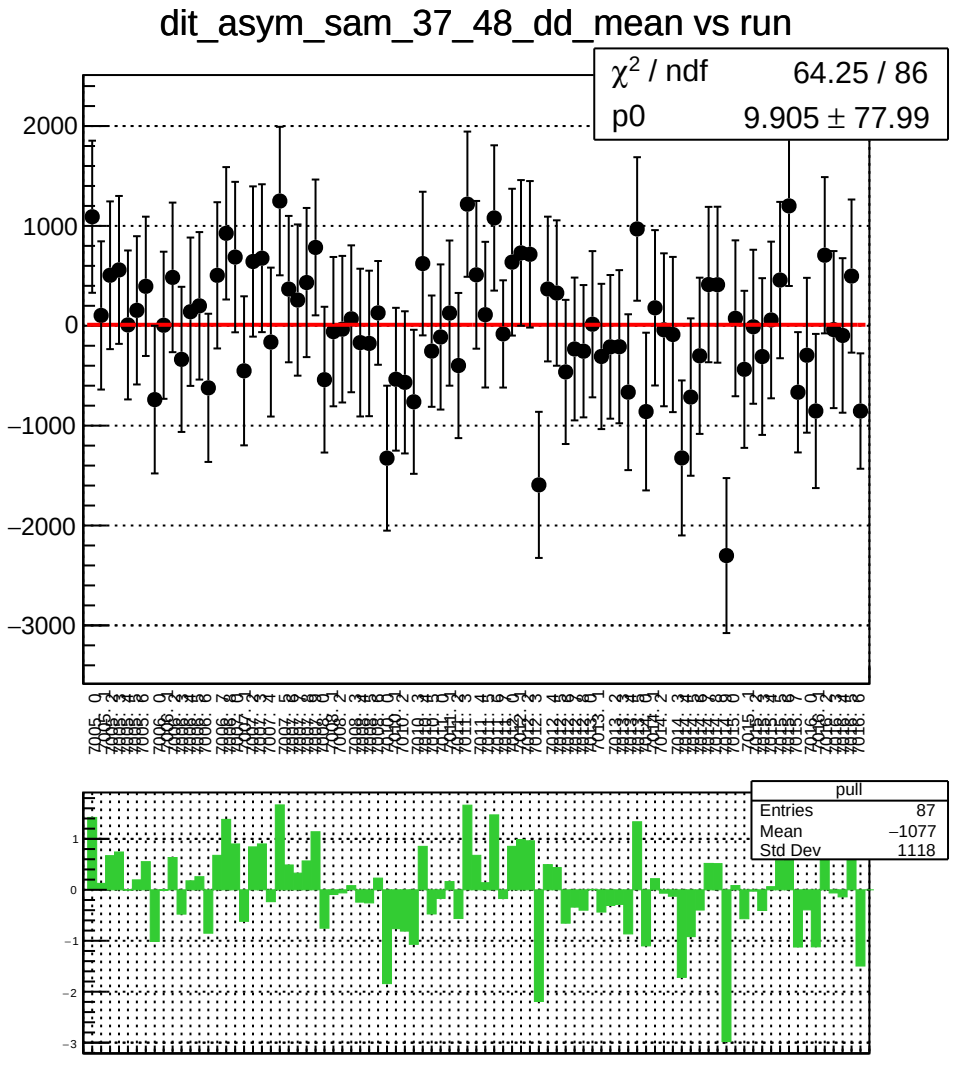

pull1D
Entries 87
Mean 0.01406
Std Dev 0.9753
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

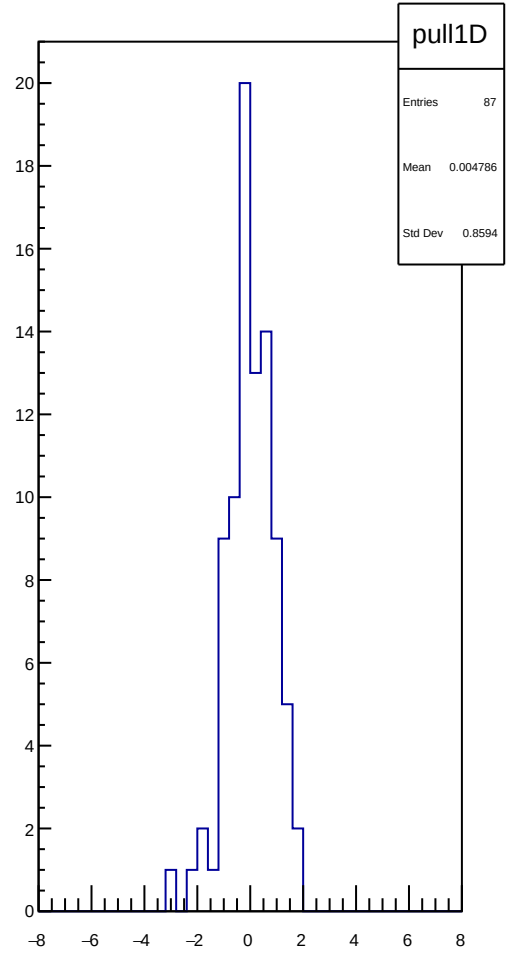

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6042 / 86
p0 512.1 ± 0.3988
600
580
560
540
520
500
480
460

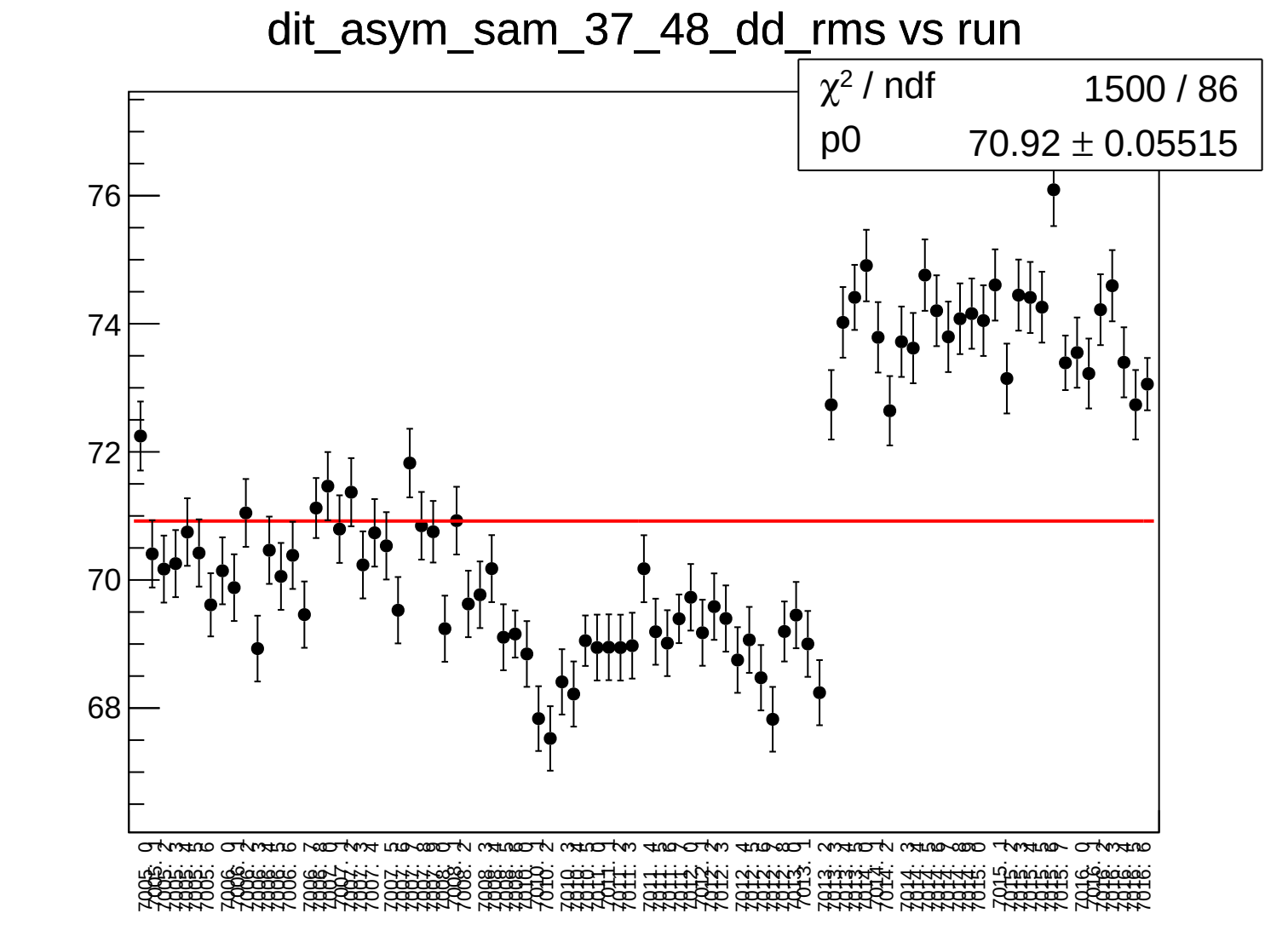

asym_sam_15_48_dd_mean vs run
χ² / ndf 80.59 / 86
p0 −668.6 ± 568.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean 90.29
Std Dev 78.75
2
1
0
−1
−2

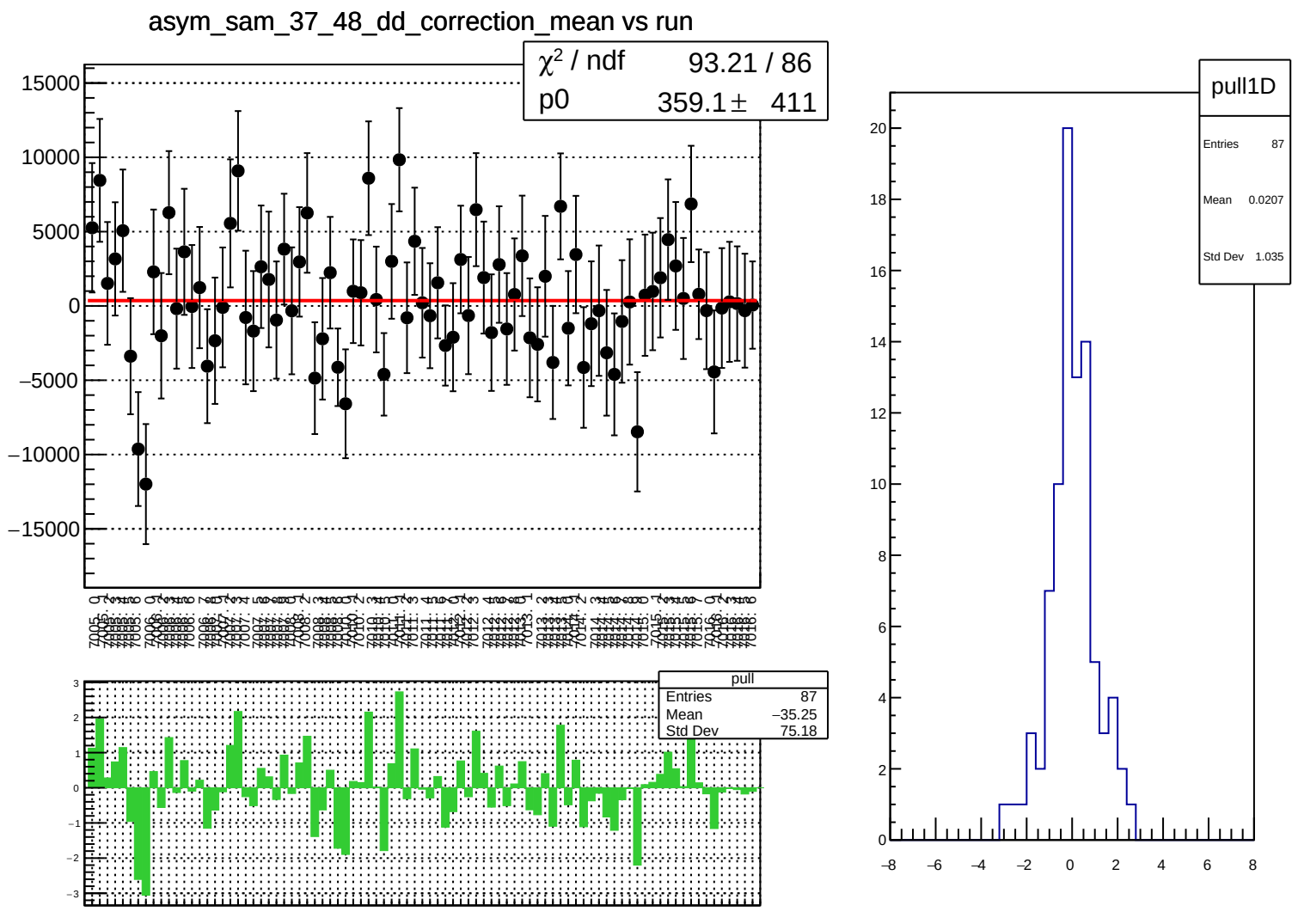

pull1D
Entries 87
Mean −0.0141
Std Dev 0.9623
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

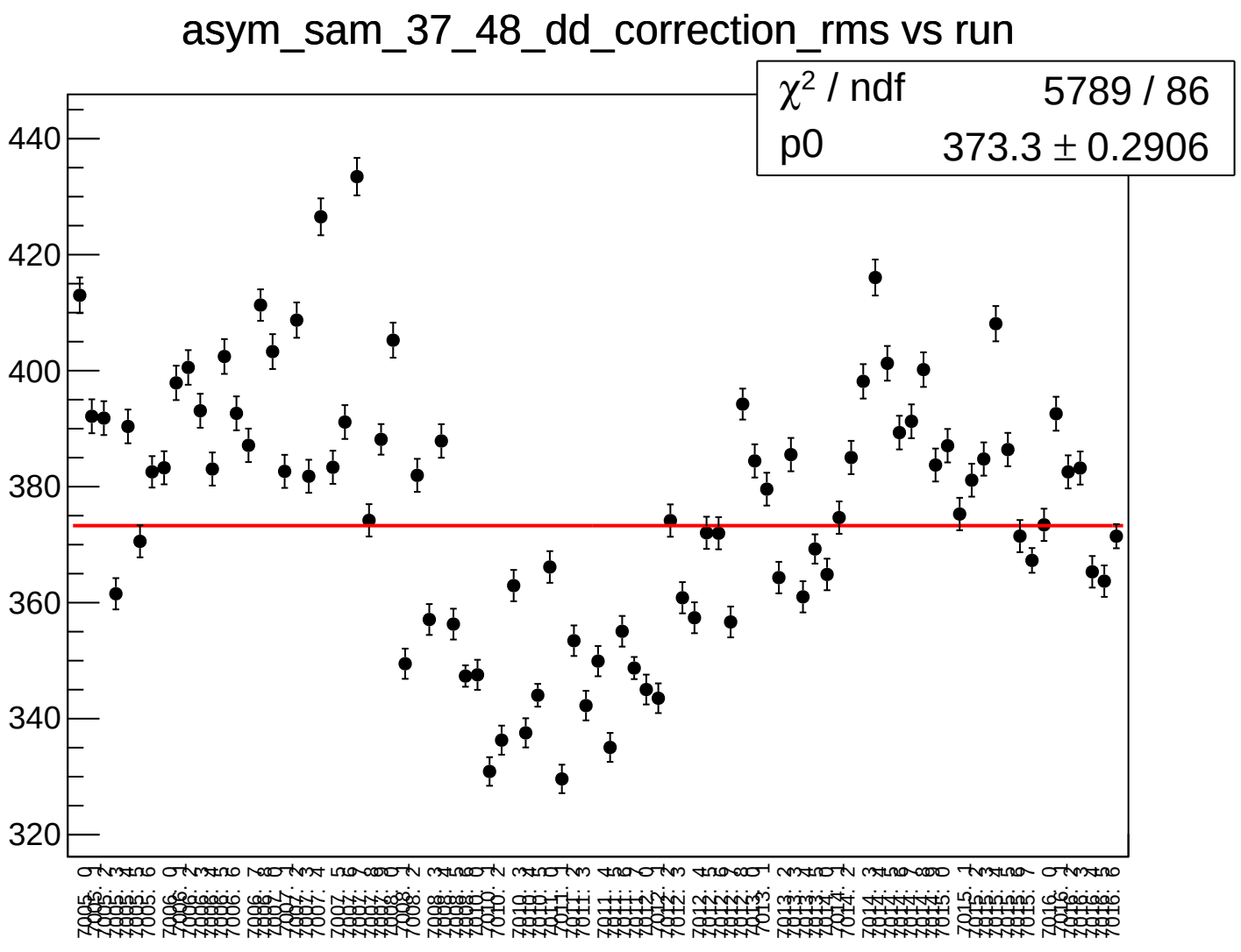

asym_sam_15_48_dd_rms vs run
χ² / ndf 6871 / 86
p0 515.7 ± 0.4017
620
600
580
560
540
520
500
480
460

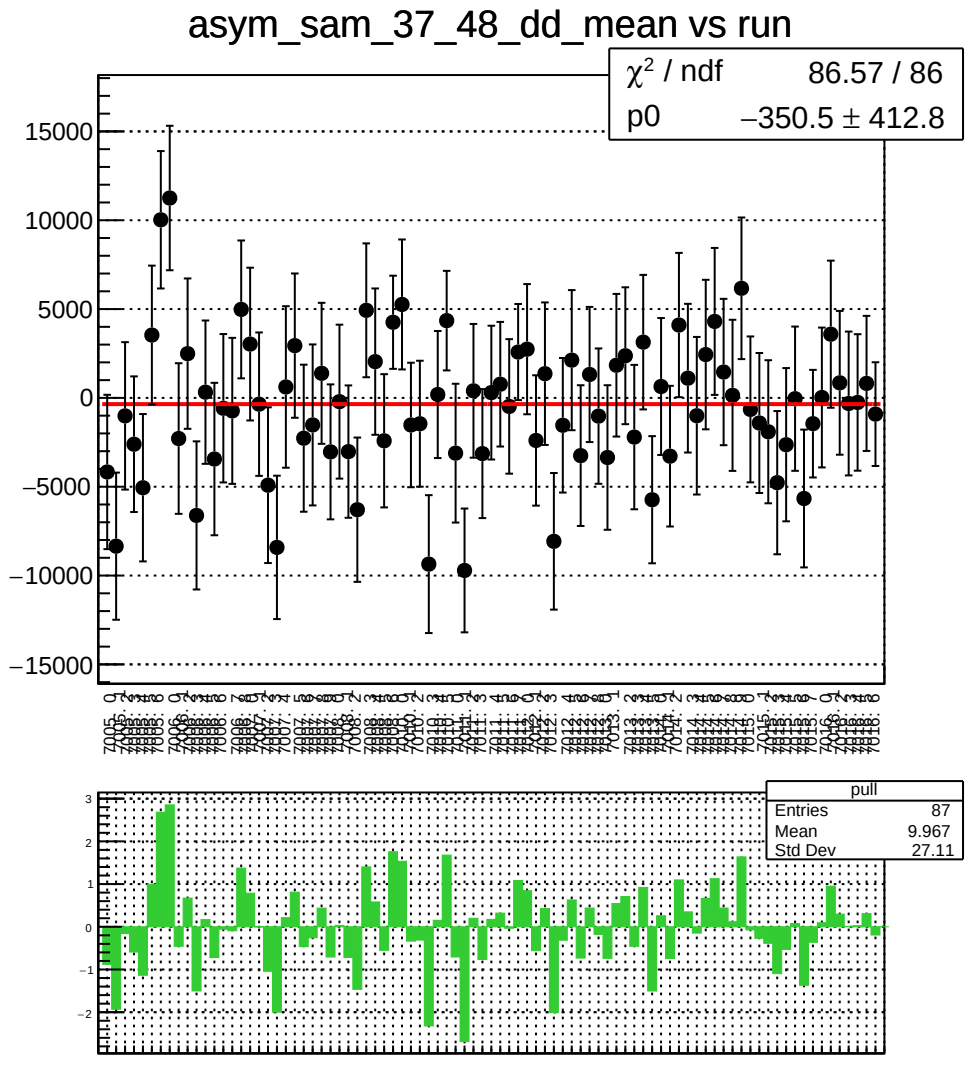

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 64.25 / 86
p0 9.905 ± 77.99
pull
Entries 87
Mean −1077
Std Dev 1118

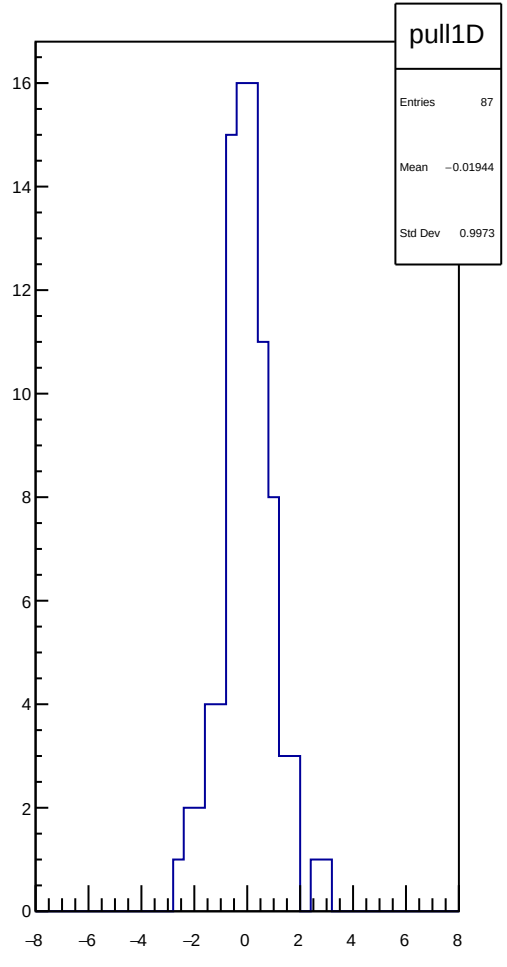

pull1D
Entries 87
Mean 0.004786
Std Dev 0.8594

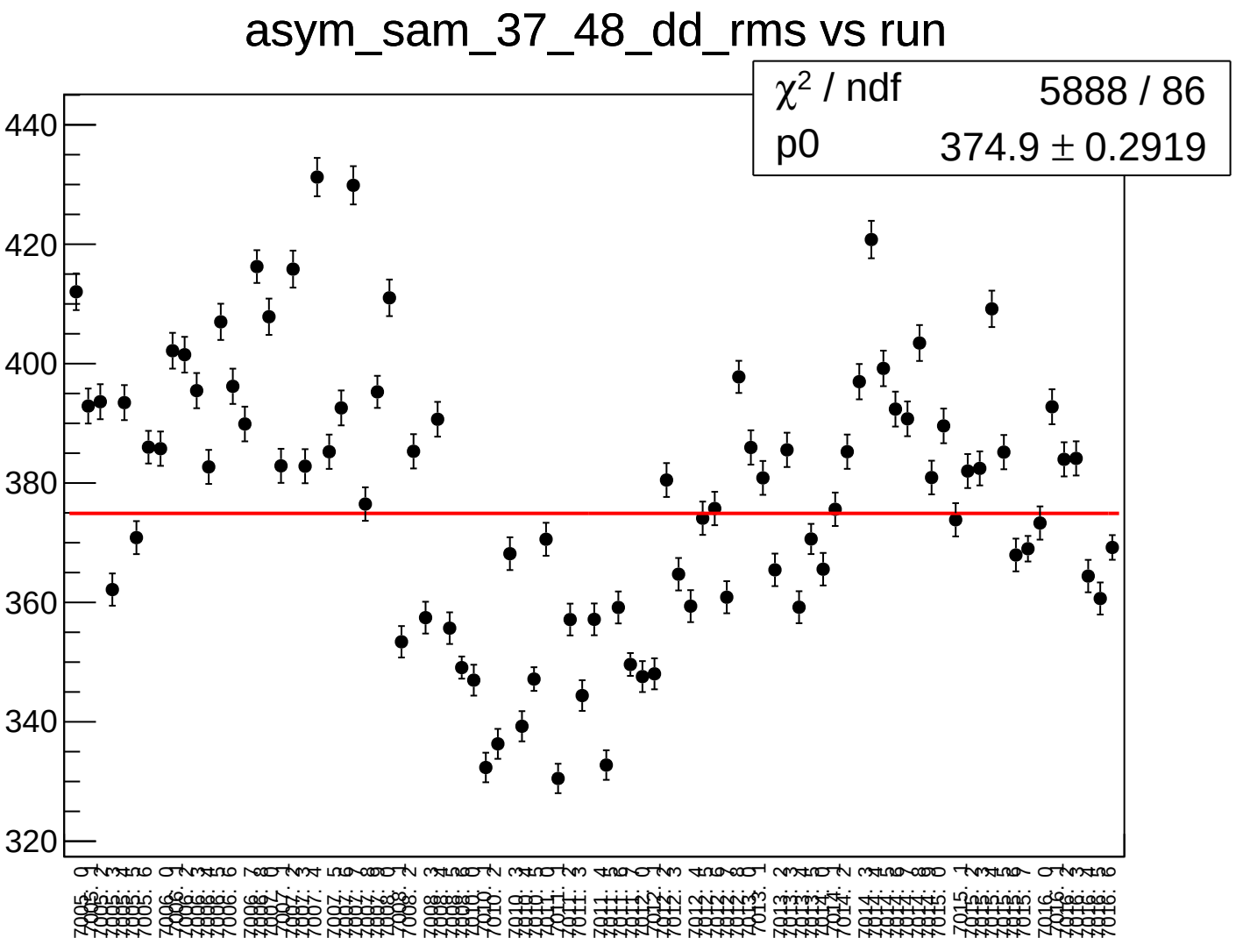

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1500 / 86
p0 70.92 ± 0.05515
76
74
72
70
68

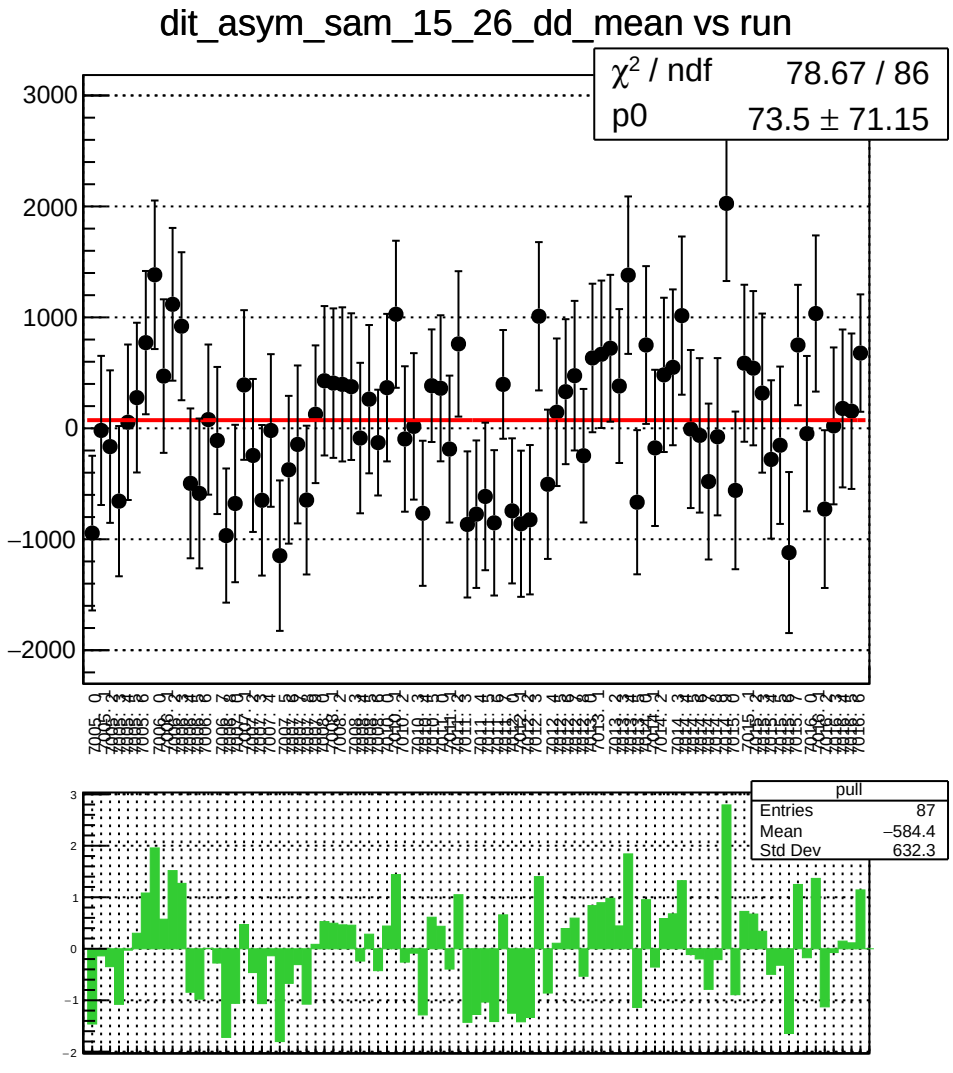

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 93.21 / 86
p0 359.1 ± 411
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −35.25
Std Dev 75.18
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.0207
Std Dev 1.035
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

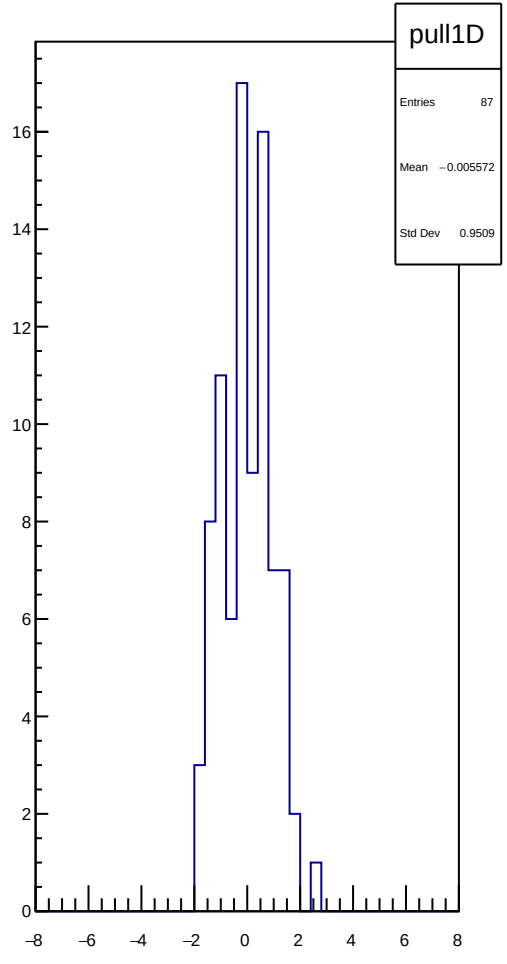

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 5789 / 86
p0 373.3 ± 0.2906
440
420
400
380
360
340
320

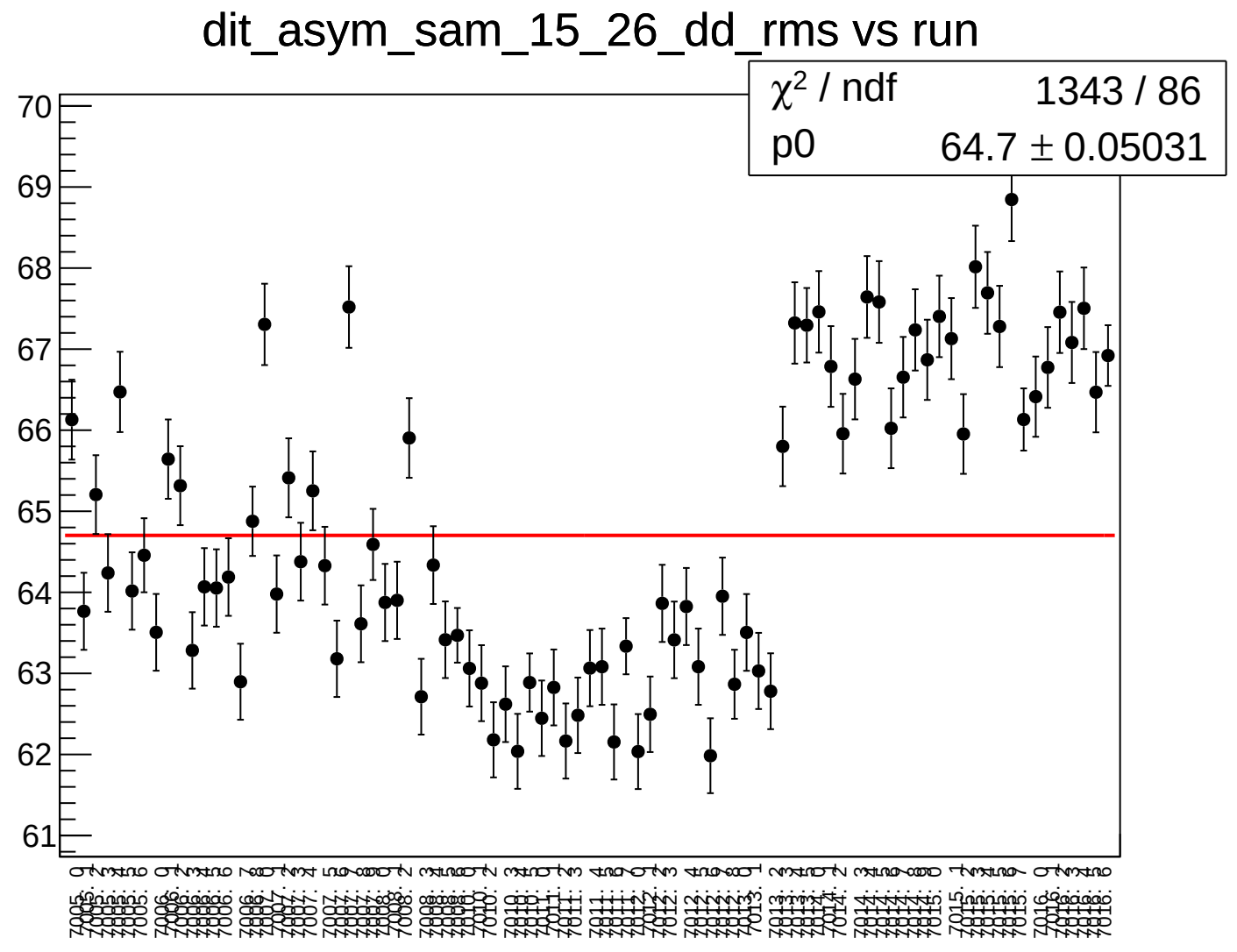

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.57 / 86
p0 −350.5 ± 412.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 9.967
Std Dev 27.11
3
2
1
0
−1
−2

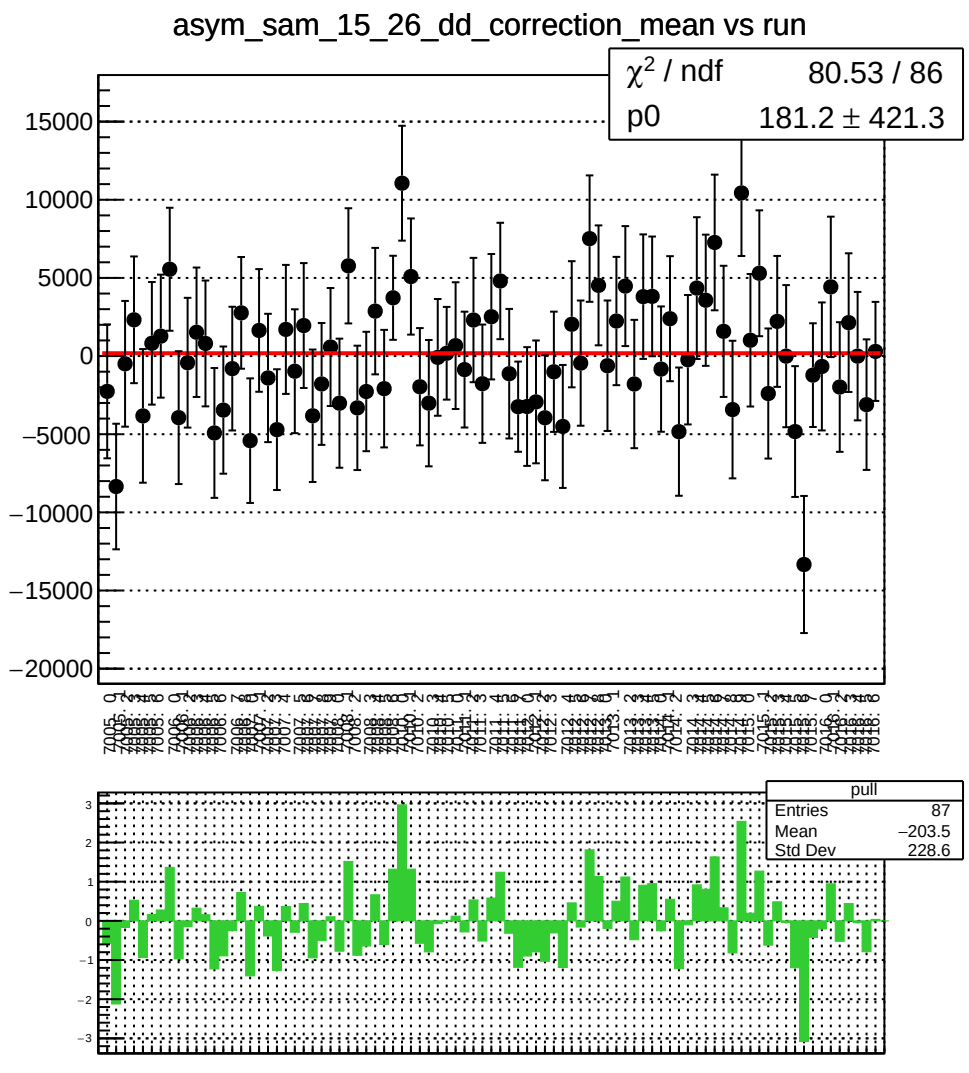

pull1D
Entries 87
Mean −0.01944
Std Dev 0.9973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

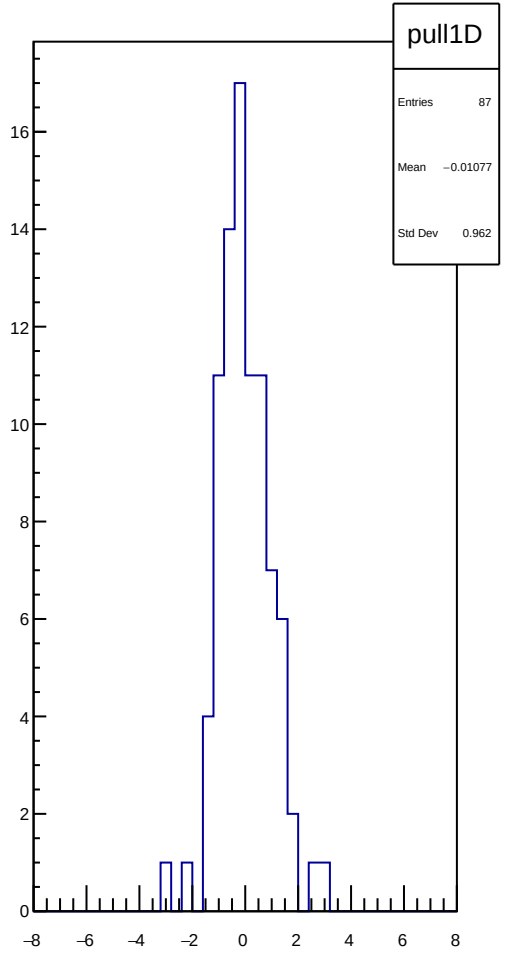

asym_sam_37_48_dd_rms vs run
χ² / ndf 5888 / 86
p0 374.9 ± 0.2919
440
420
400
380
360
340
320

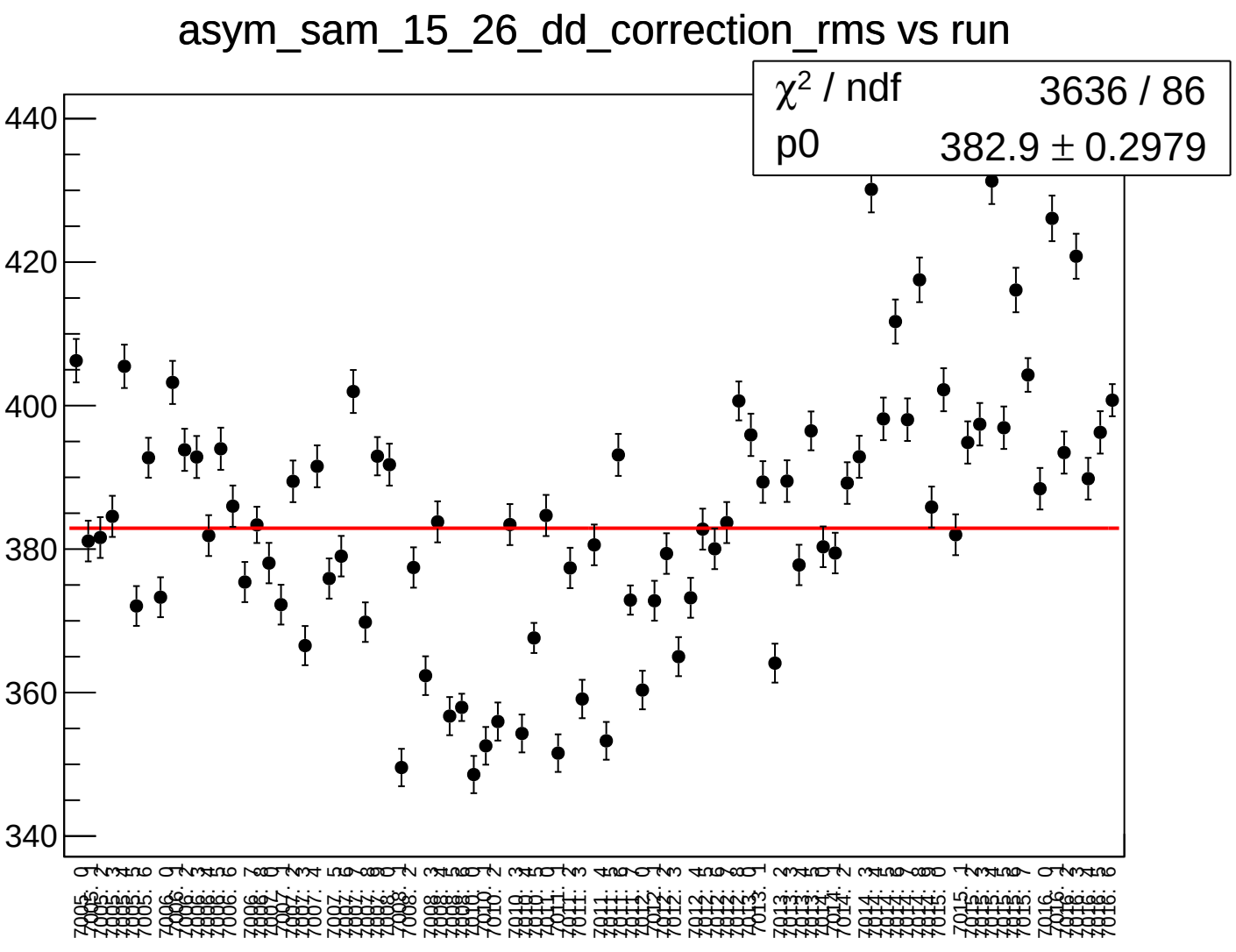

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 78.67 / 86
p0 73.5 ± 71.15
3000
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −584.4
Std Dev 632.3
3
2
1
0
−1
−2

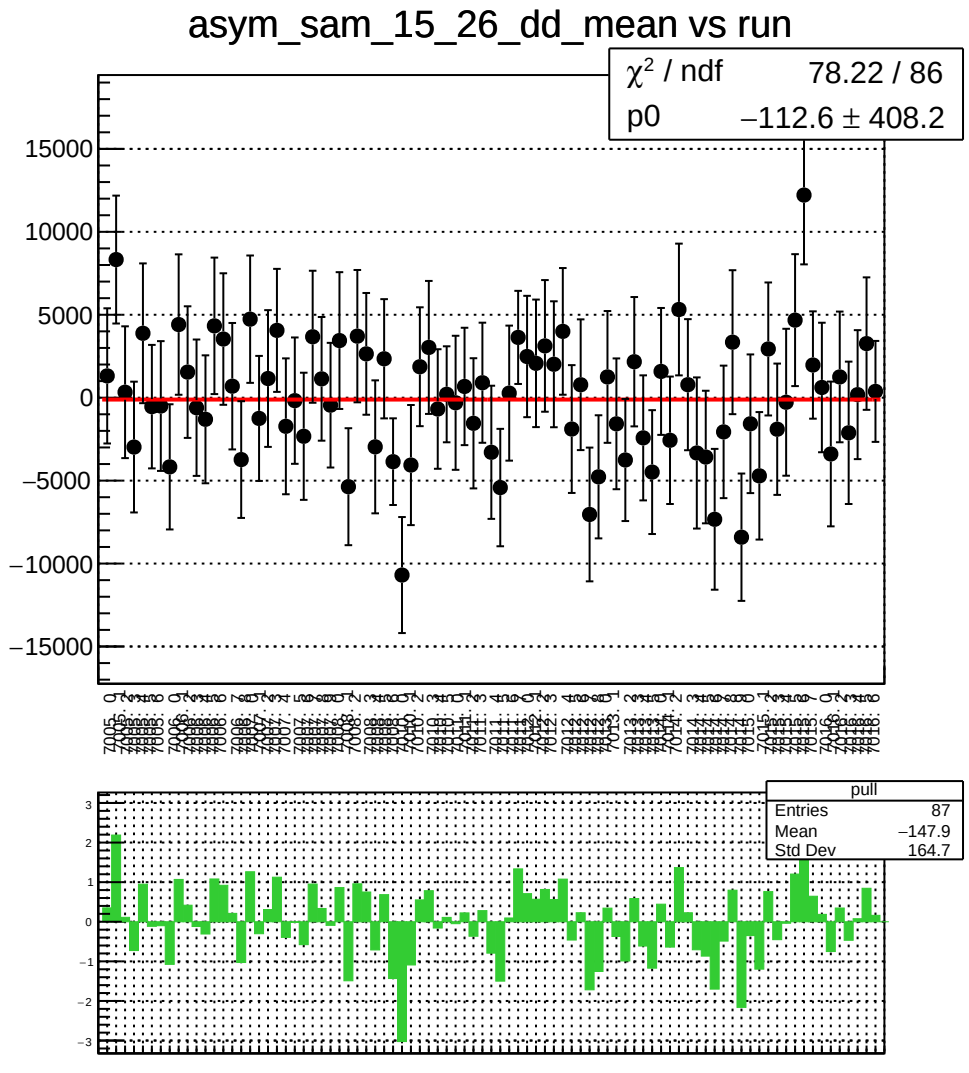

pull1D
Entries 87
Mean −0.005572
Std Dev 0.9509
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

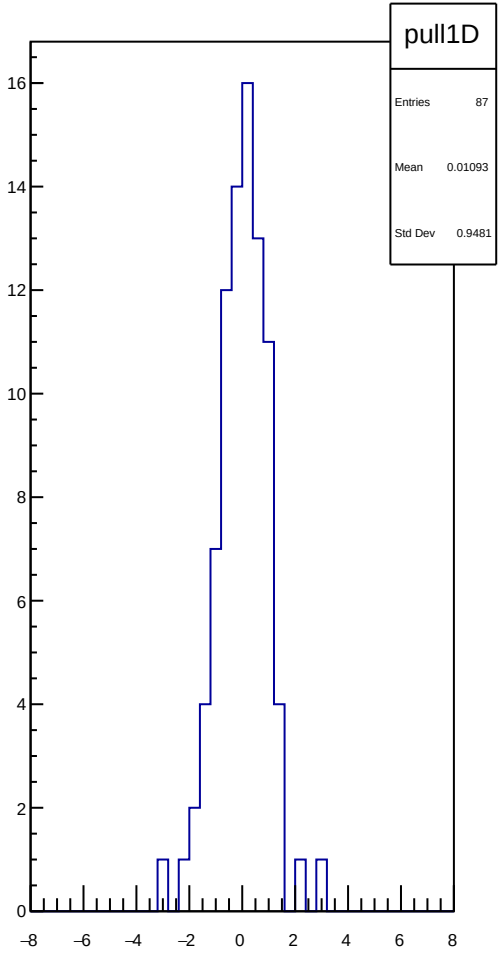

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1343 / 86
p0 64.7 ± 0.05031
70
69
68
67
66
65
64
63
62
61

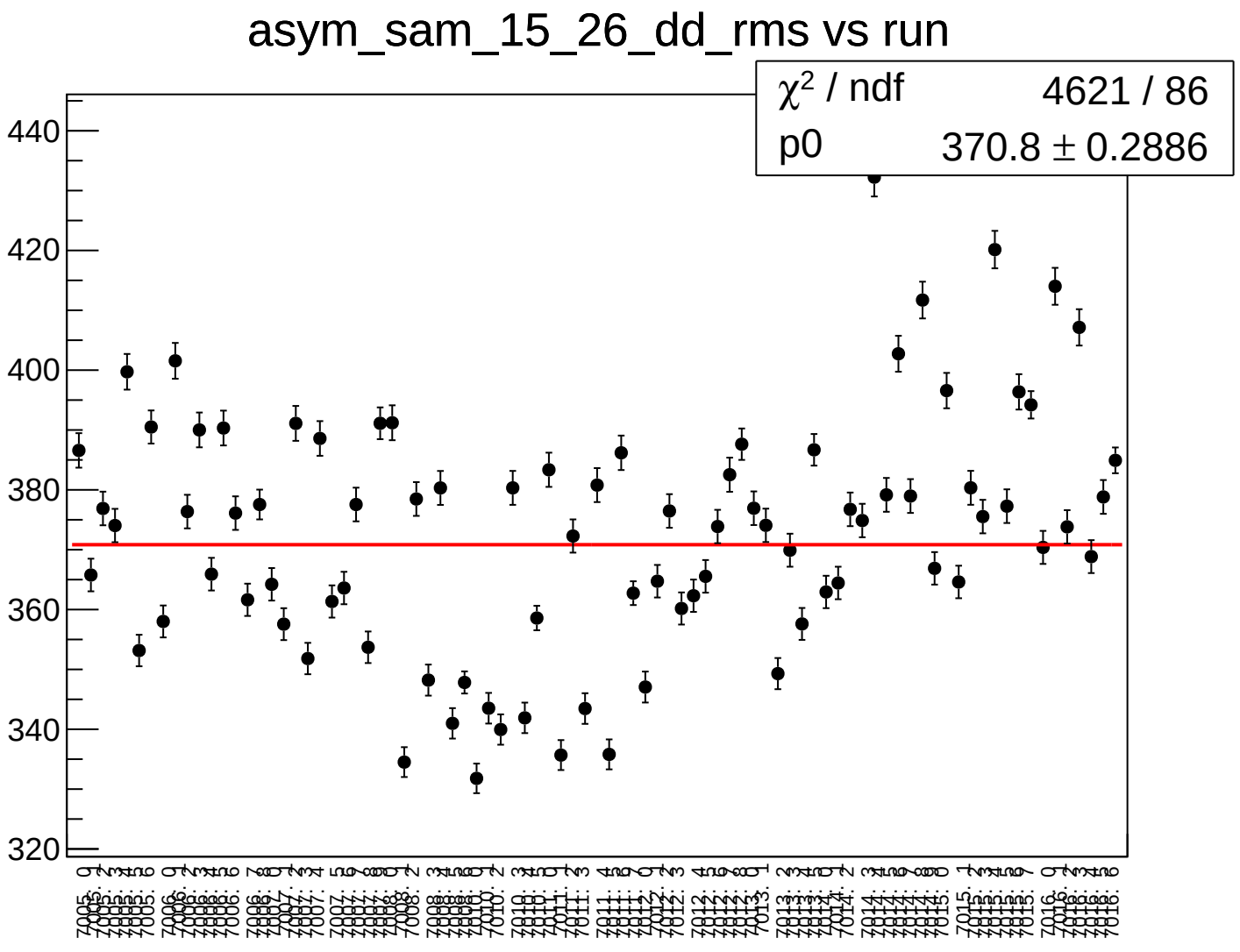

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 80.53 / 86
p0 181.2 ± 421.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 87
Mean −203.5
Std Dev 228.6
3
2
1
0
−1
−2
−3

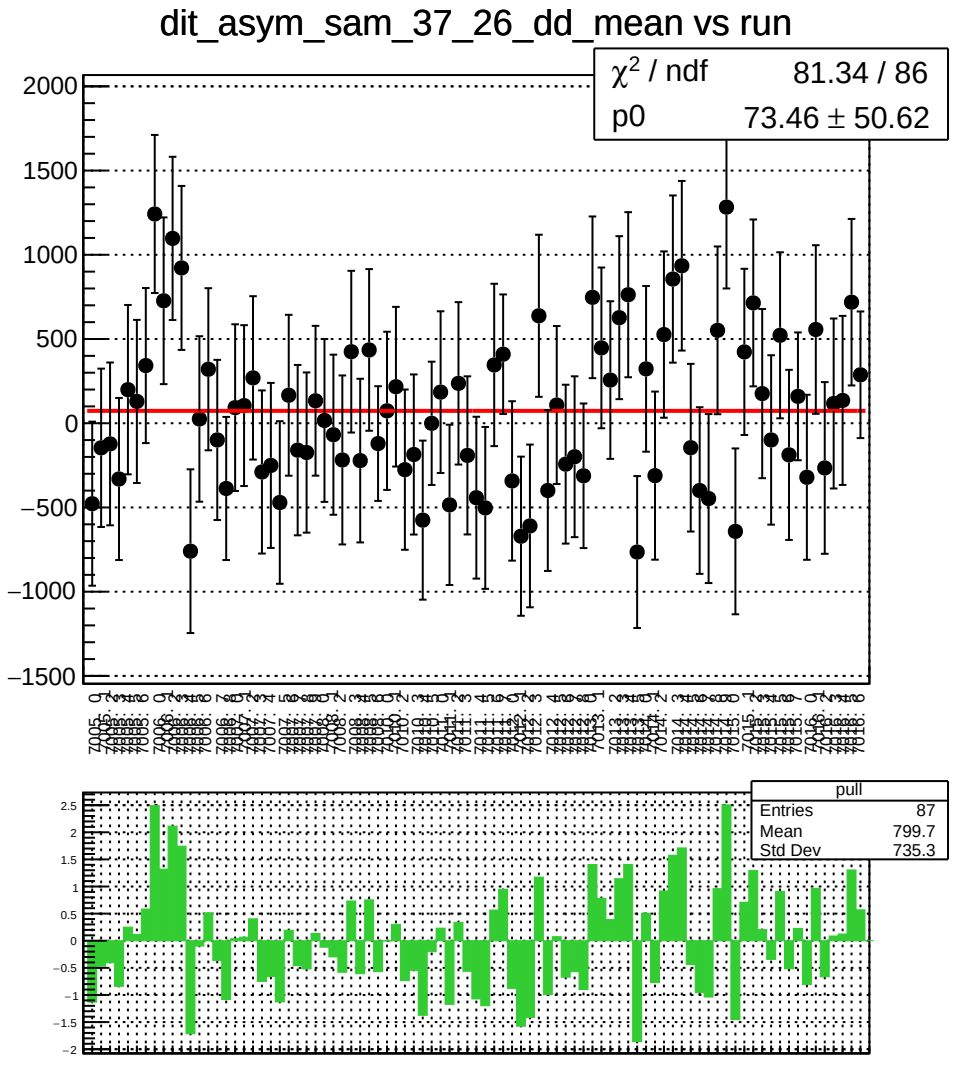

pull1D
Entries 87
Mean −0.01077
Std Dev 0.962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

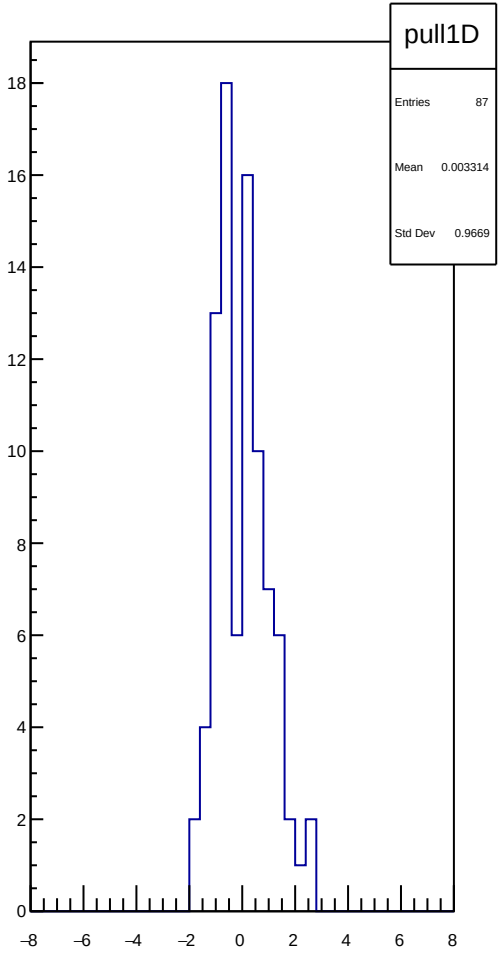

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3636 / 86
p0 382.9 ± 0.2979
440
420
400
380
360
340

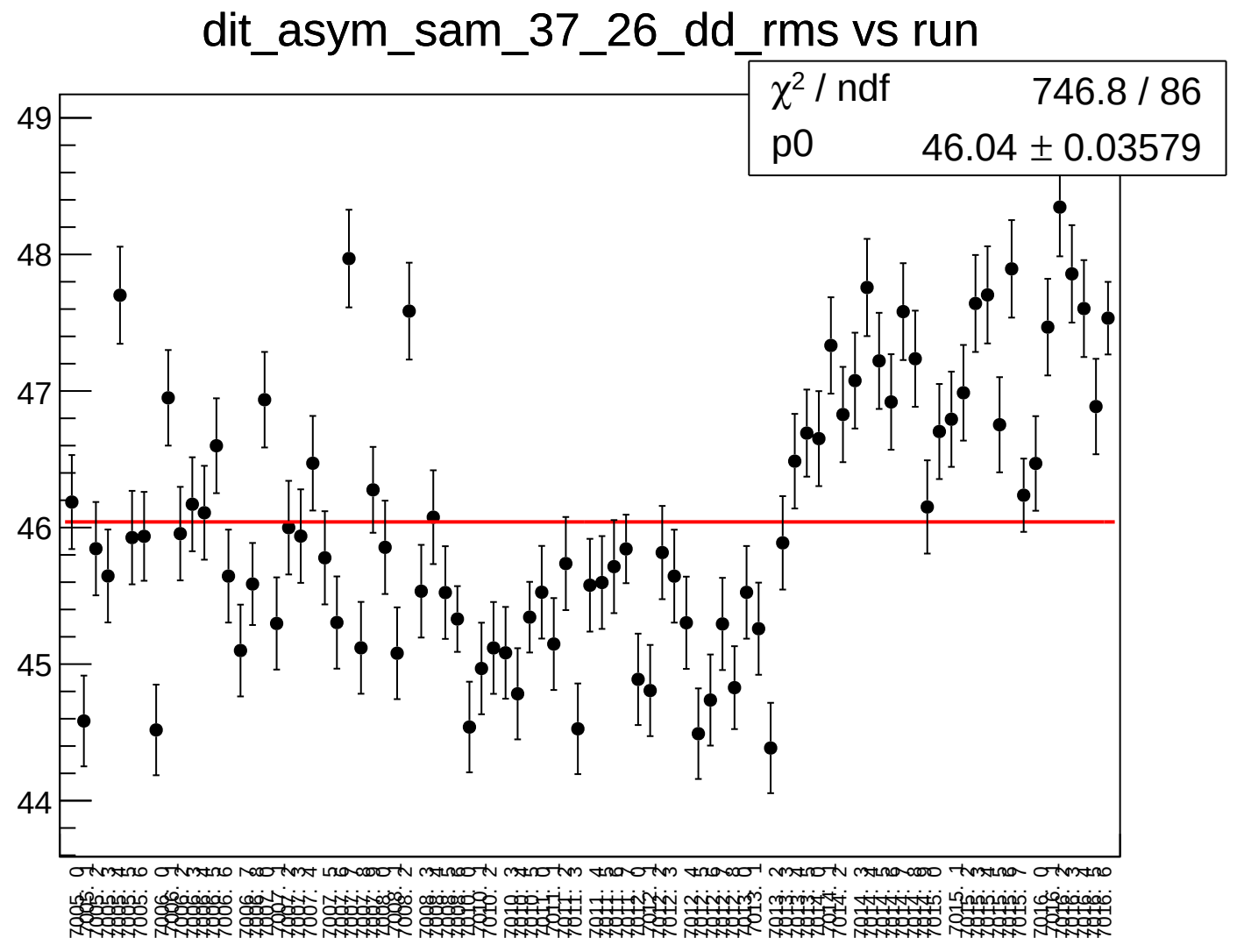

asym_sam_15_26_dd_mean vs run
χ² / ndf 78.22 / 86
p0 −112.6 ± 408.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −147.9
Std Dev 164.7
3
2
1
0
−1
−2
−3

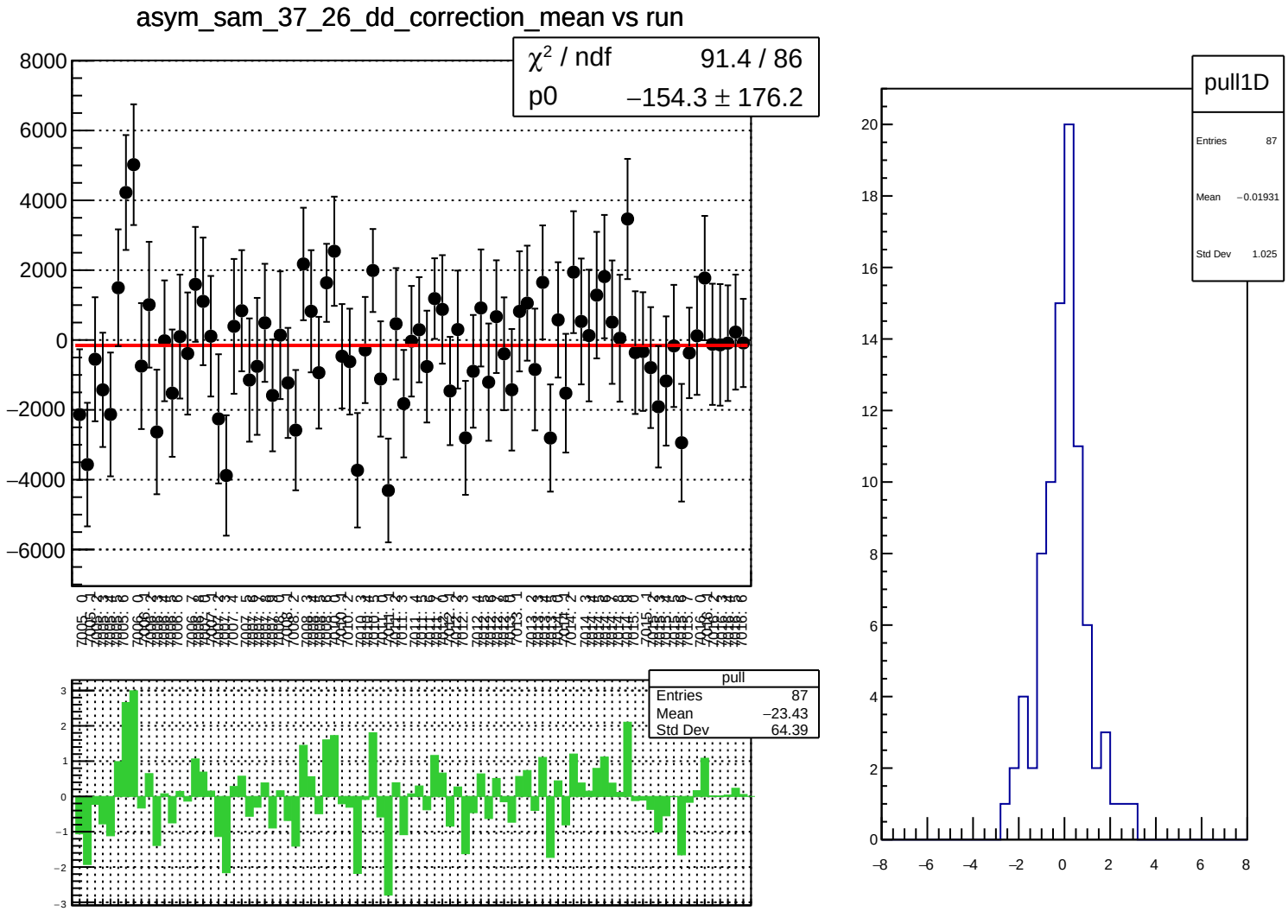

pull1D
Entries 87
Mean 0.01093
Std Dev 0.9481
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

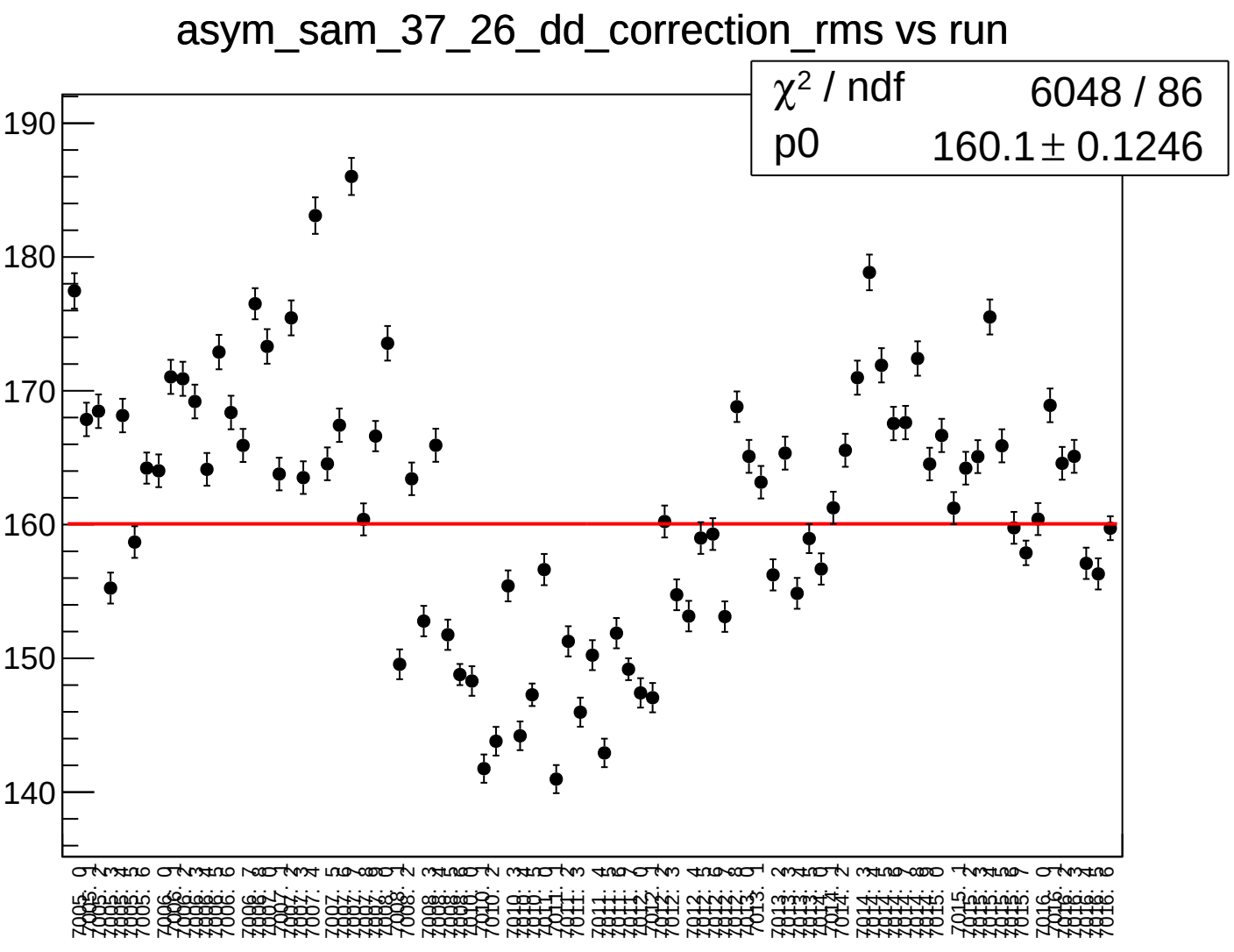

asym_sam_15_26_dd_rms vs run
χ² / ndf 4621 / 86
p0 370.8 ± 0.2886
440
420
400
380
360
340
320

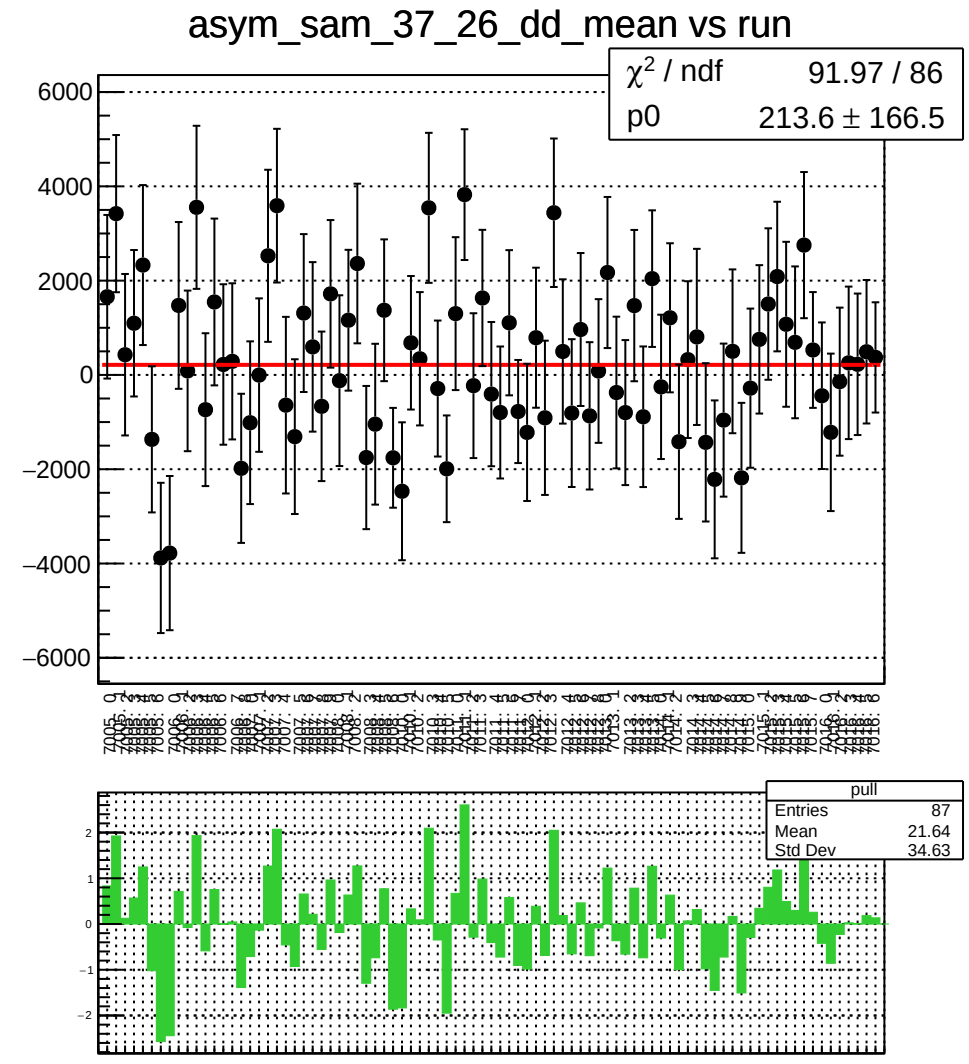

dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 81.34 / 86
p0 73.46 ± 50.62
pull
Entries 87
Mean 799.7
Std Dev 735.3

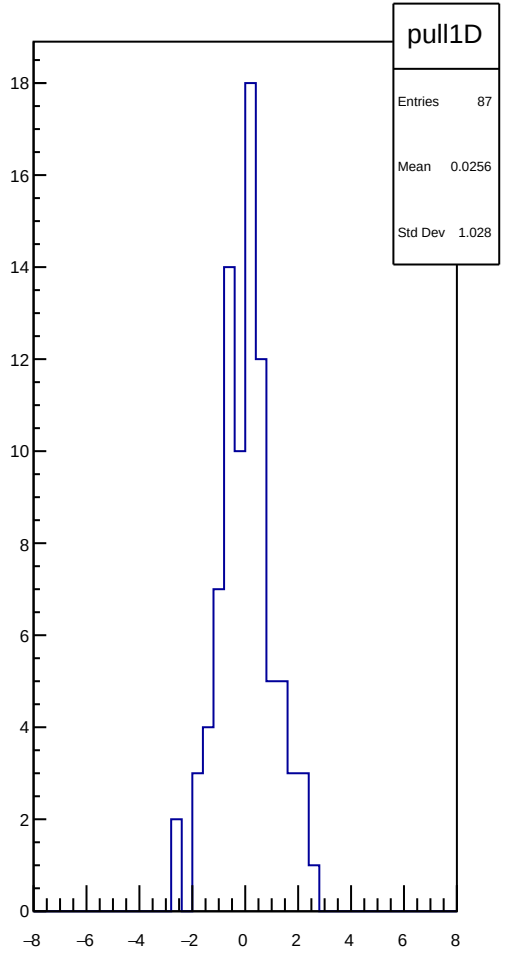

pull1D
Entries 87
Mean 0.003314
Std Dev 0.9669

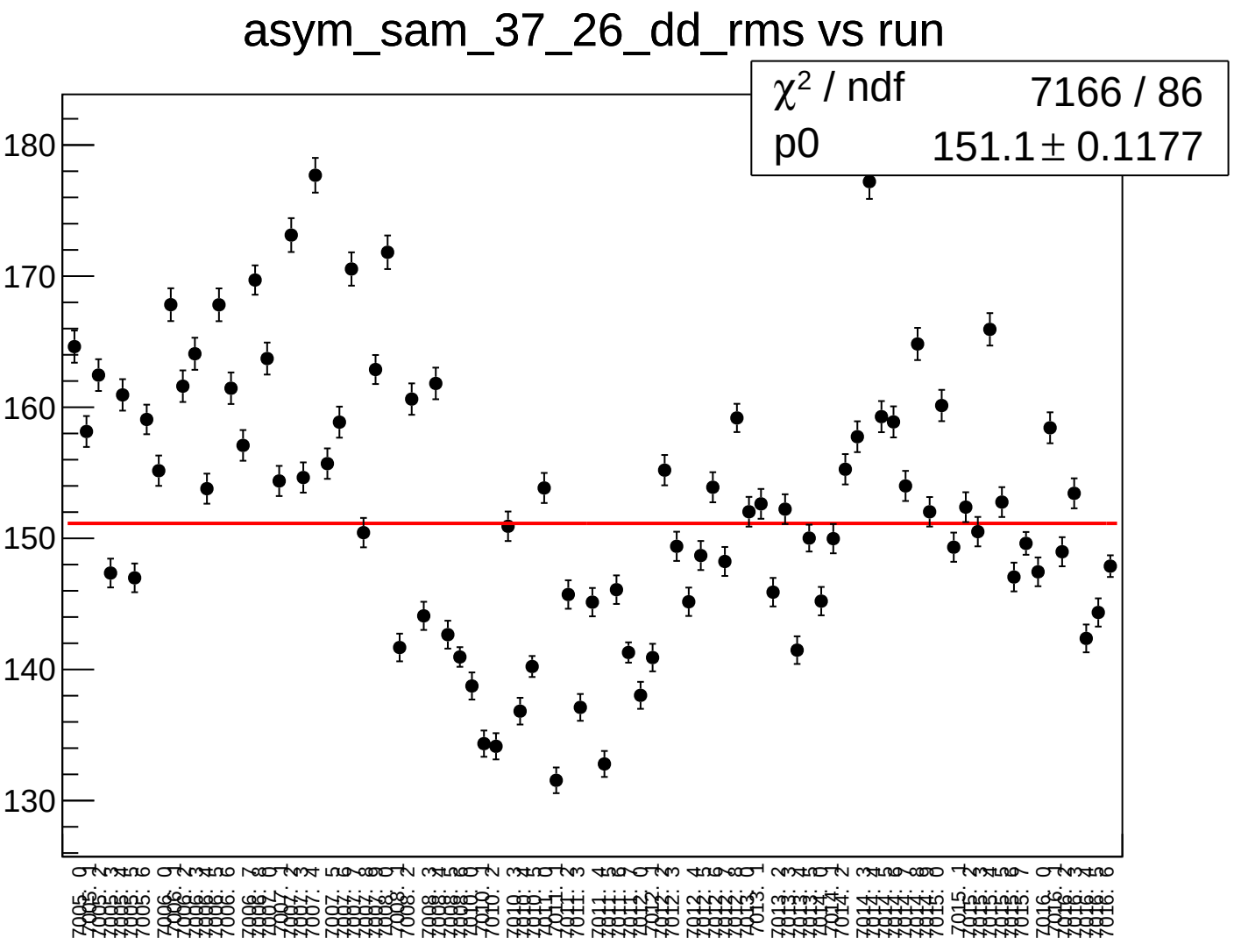

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 746.8 / 86
p0 46.04 ± 0.03579
49
48
47
46
45
44

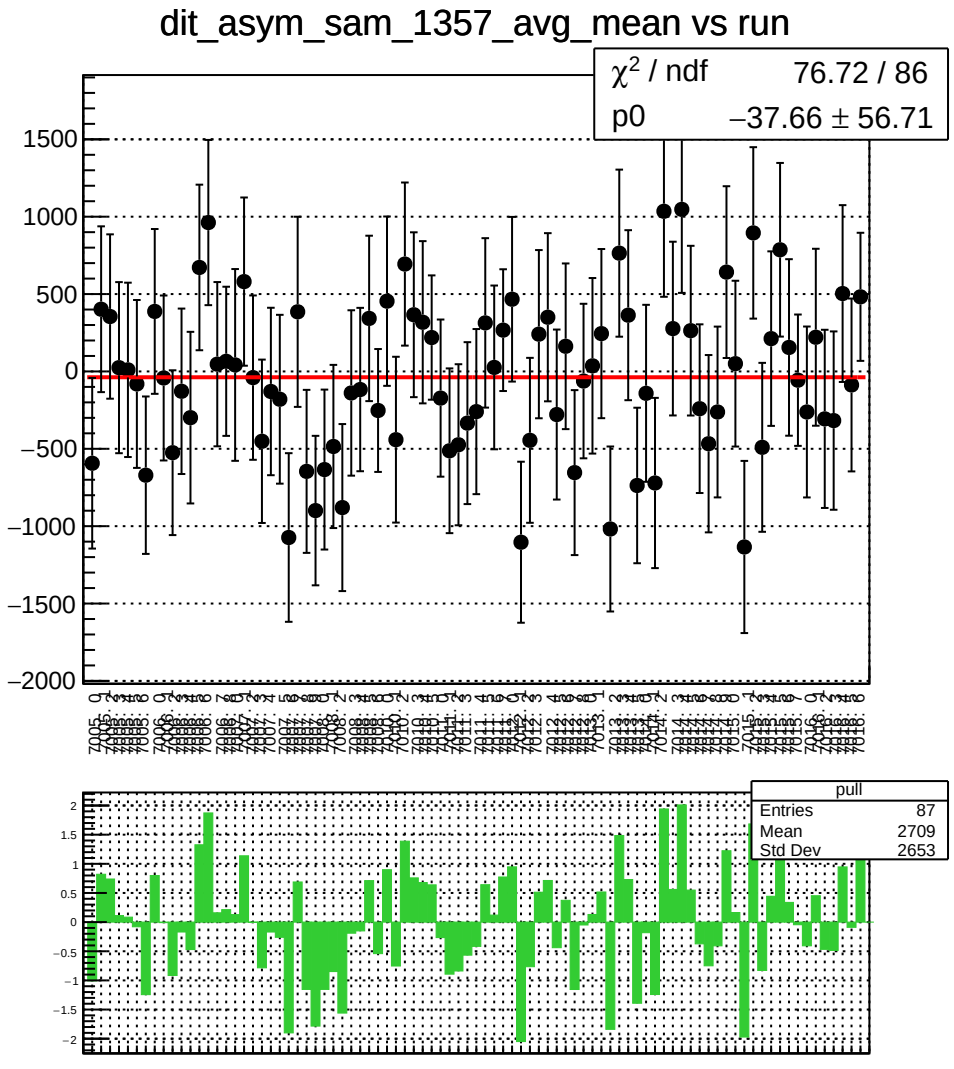

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 91.4 / 86
p0 −154.3 ± 176.2
pull
Entries 87
Mean −23.43
Std Dev 64.39
pull1D
Entries 87
Mean −0.01931
Std Dev 1.025

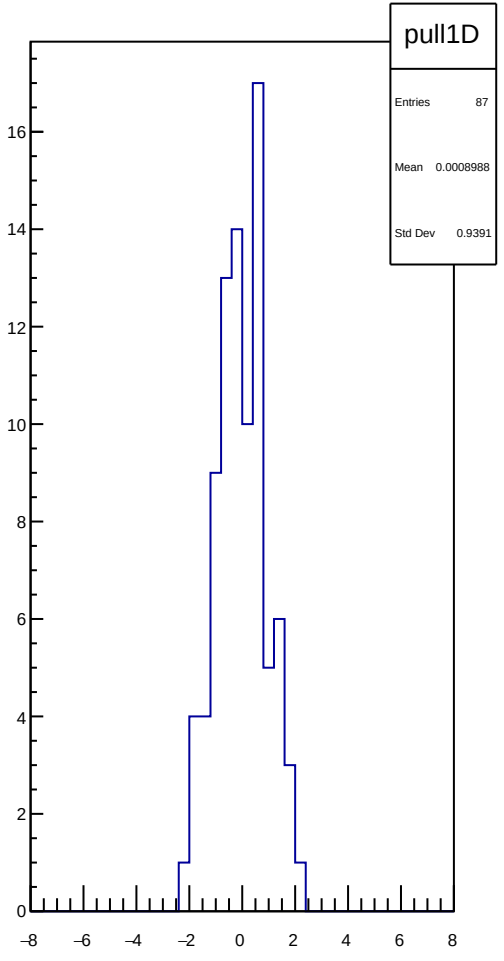

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 6048 / 86
p0 160.1 ± 0.1246
190
180
170
160
150
140

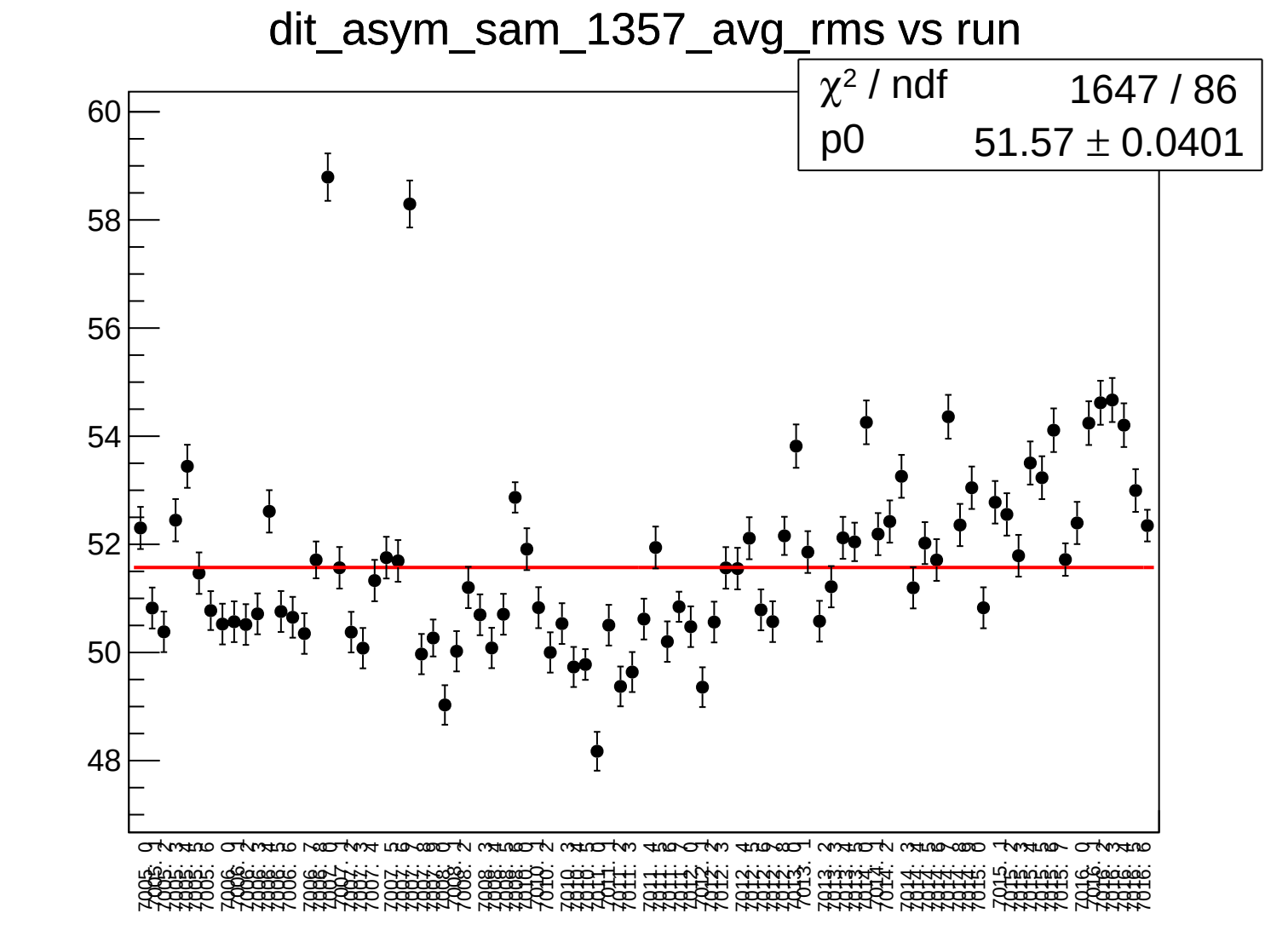

asym_sam_37_26_dd_mean vs run
χ² / ndf 91.97 / 86
p0 213.6 ± 166.5
pull
Entries 87
Mean 21.64
Std Dev 34.63

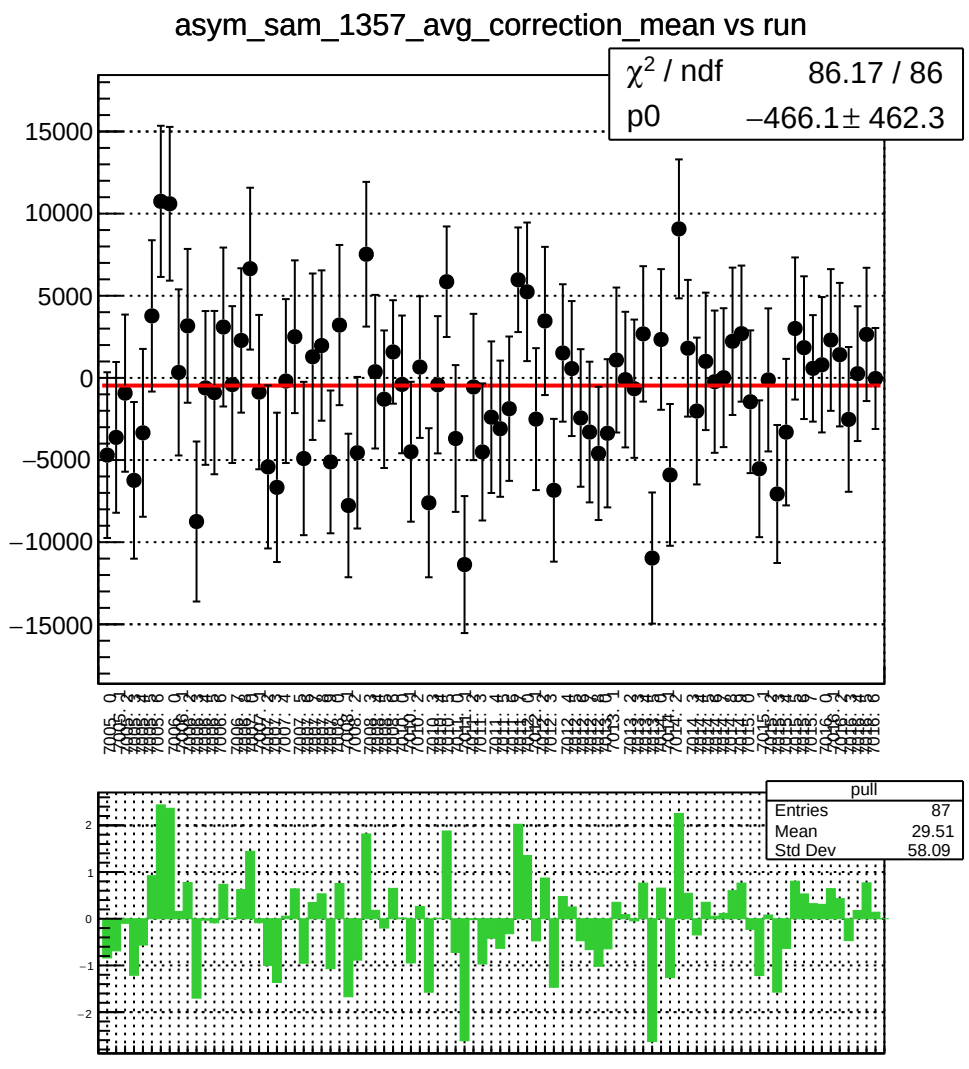

pull1D
Entries 87
Mean 0.0256
Std Dev 1.028

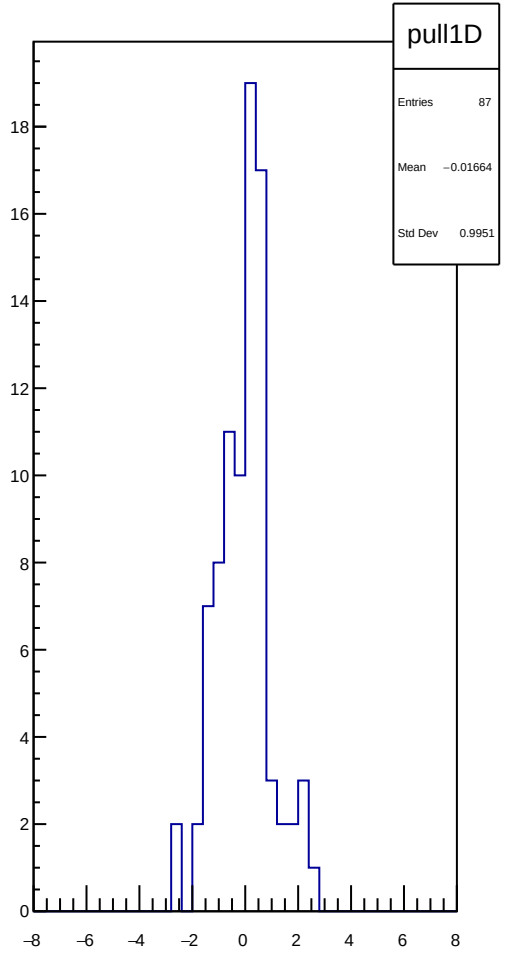

asym_sam_37_26_dd_rms vs run
χ² / ndf 7166 / 86
p0 151.1 ± 0.1177
180
170
160
150
140
130

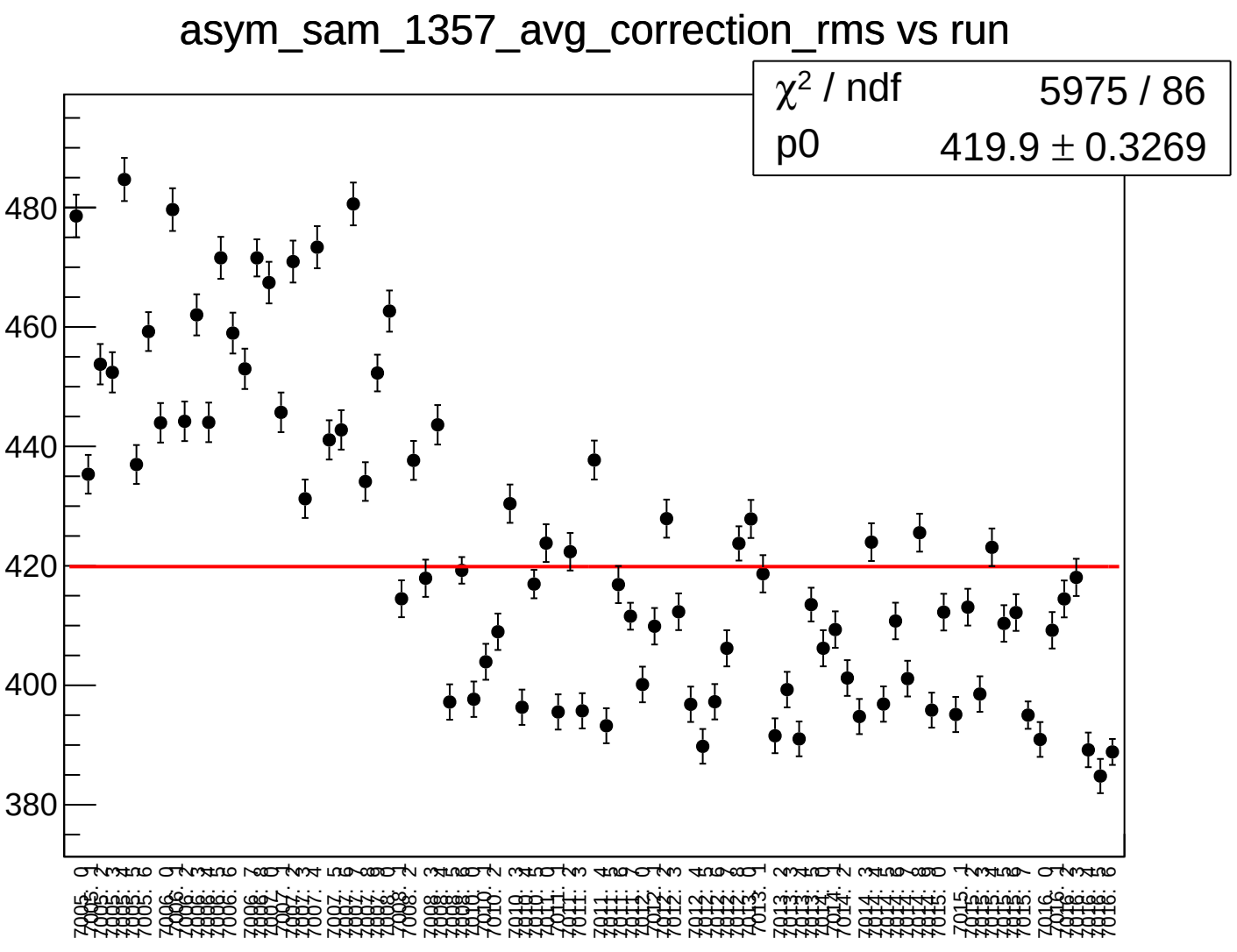

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.72 / 86
p0 −37.66 ± 56.71
pull
Entries 87
Mean 2709
Std Dev 2653

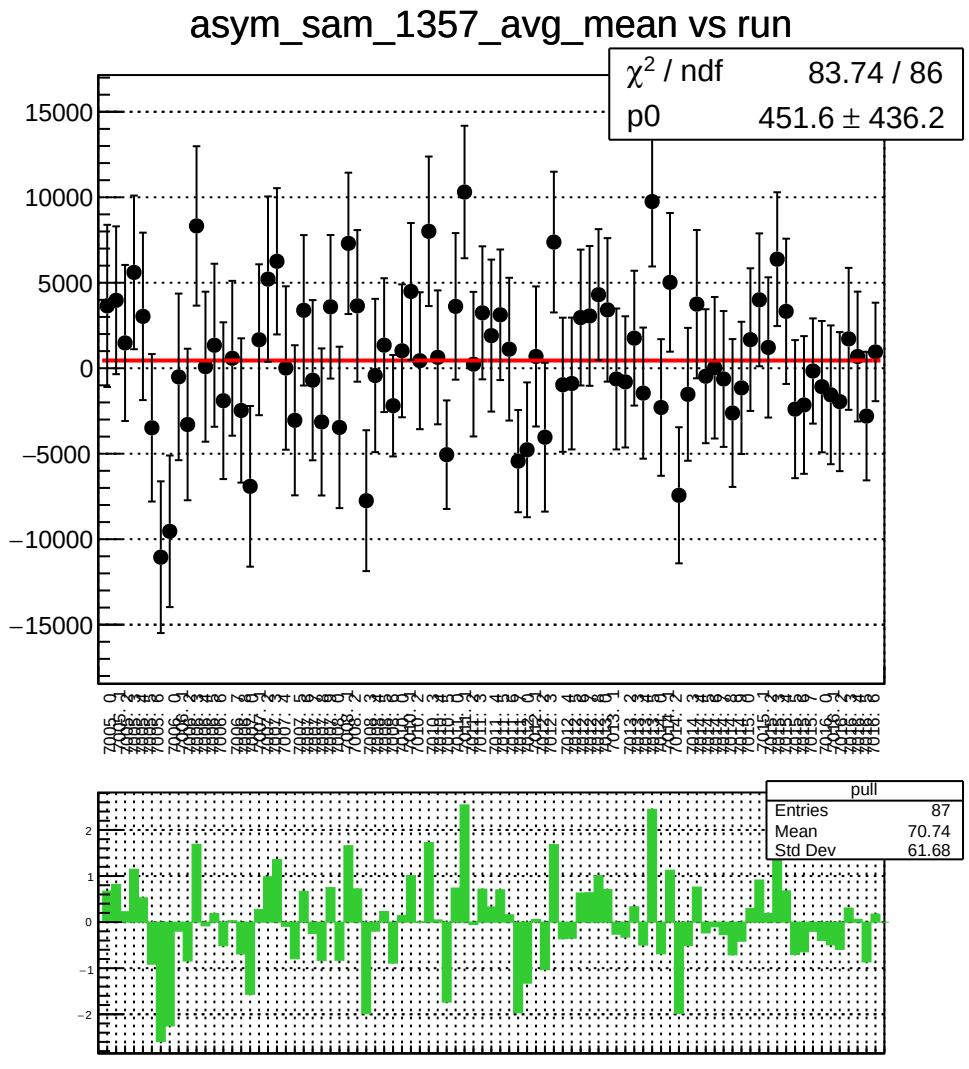

pull1D
Entries 87
Mean 0.0008988
Std Dev 0.9391

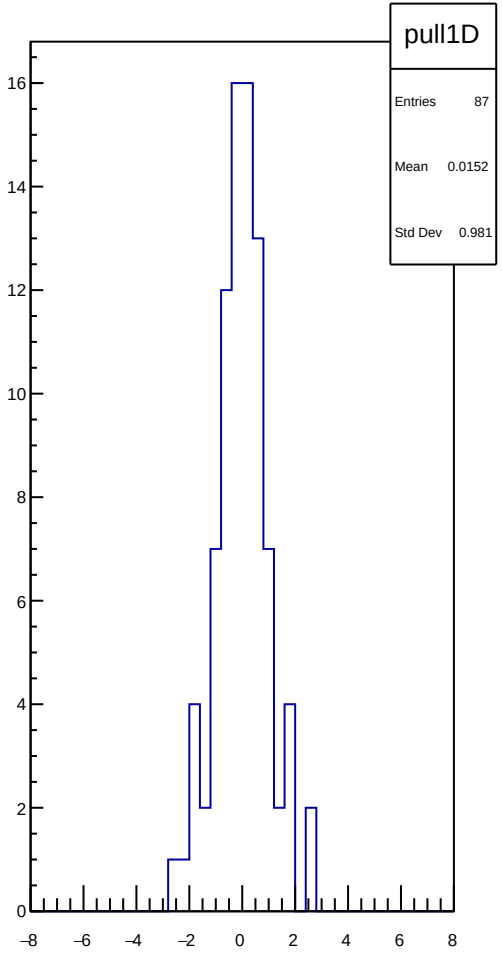

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1647 / 86
p0 51.57 ± 0.0401
60
58
56
54
52
50
48

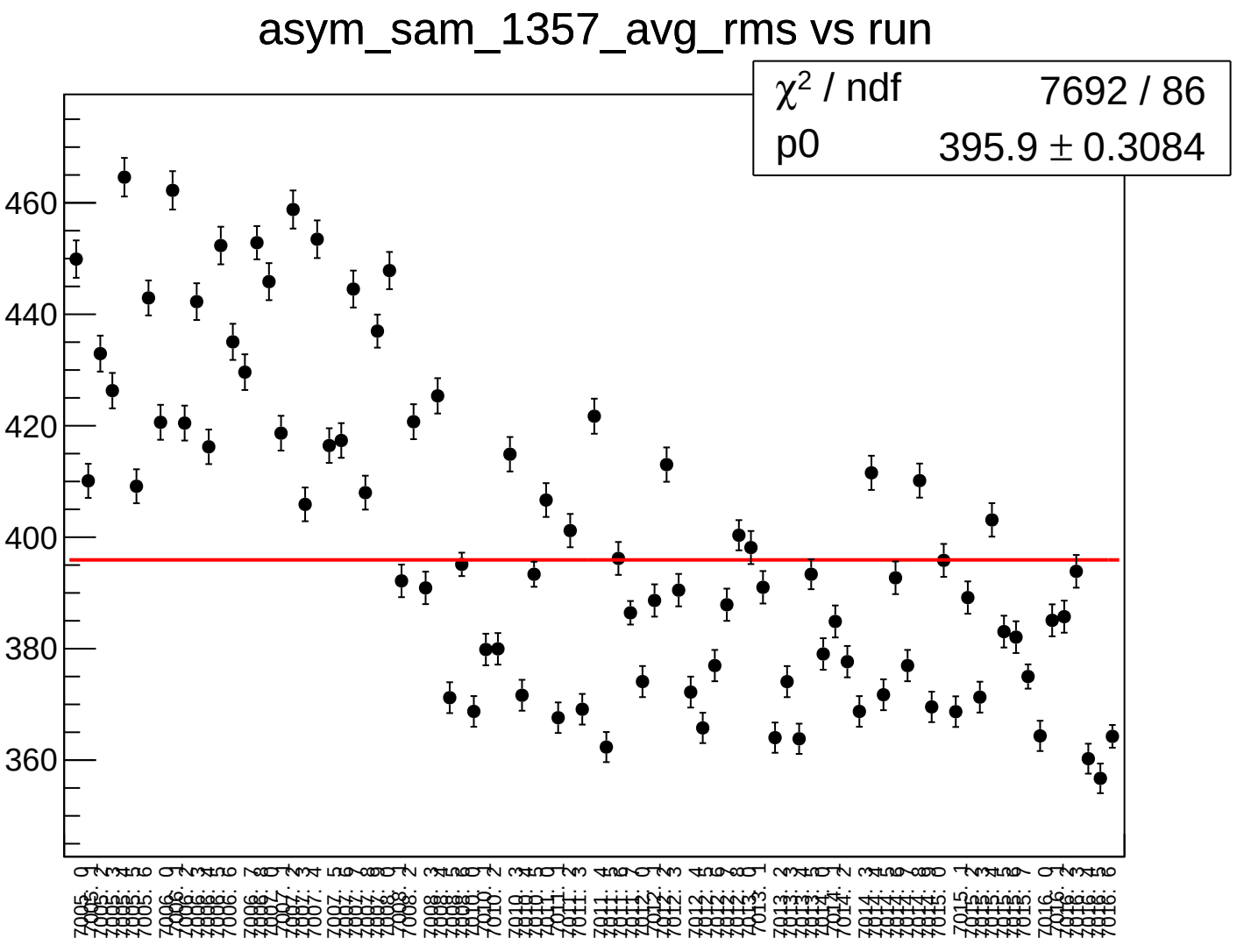

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 86.17 / 86
p0 −466.1 ± 462.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 29.51
Std Dev 58.09
2
1
0
−1
−2

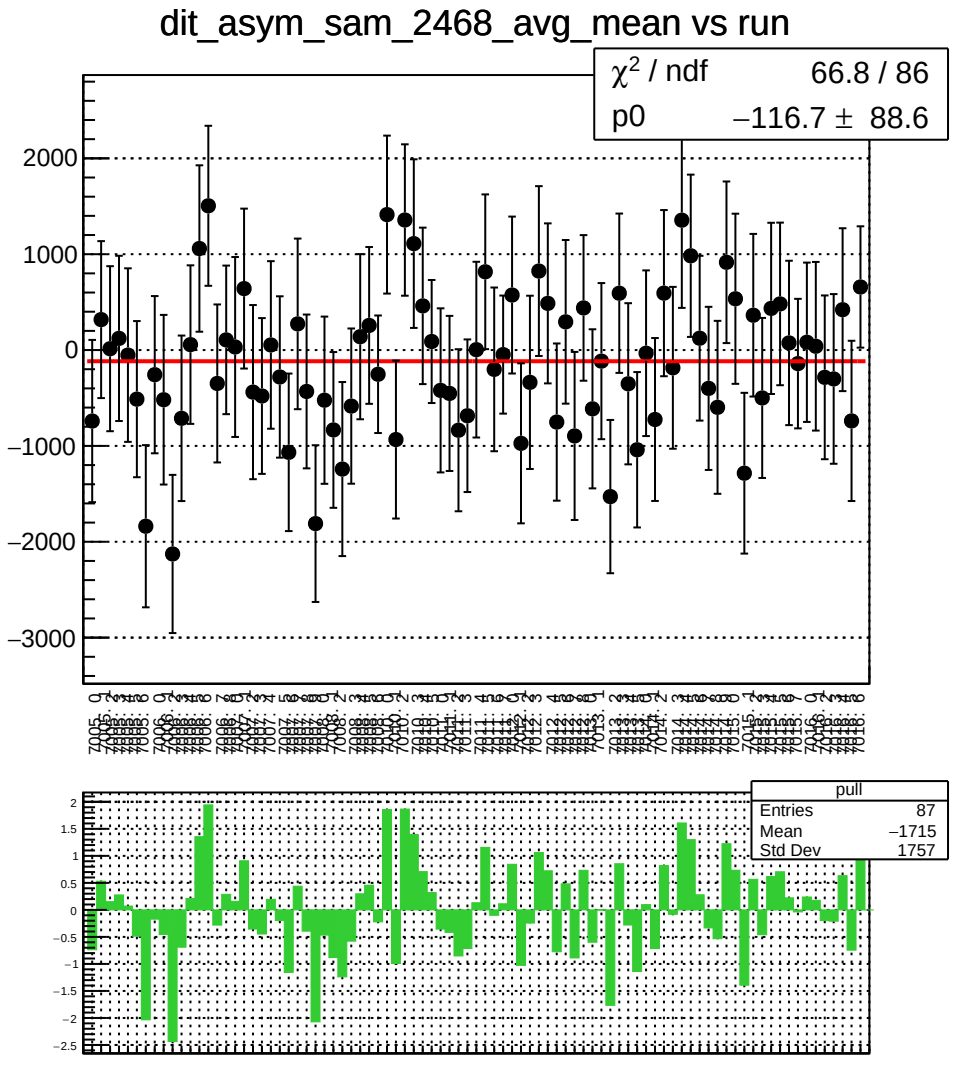

pull1D
Entries 87
Mean −0.01664
Std Dev 0.9951
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

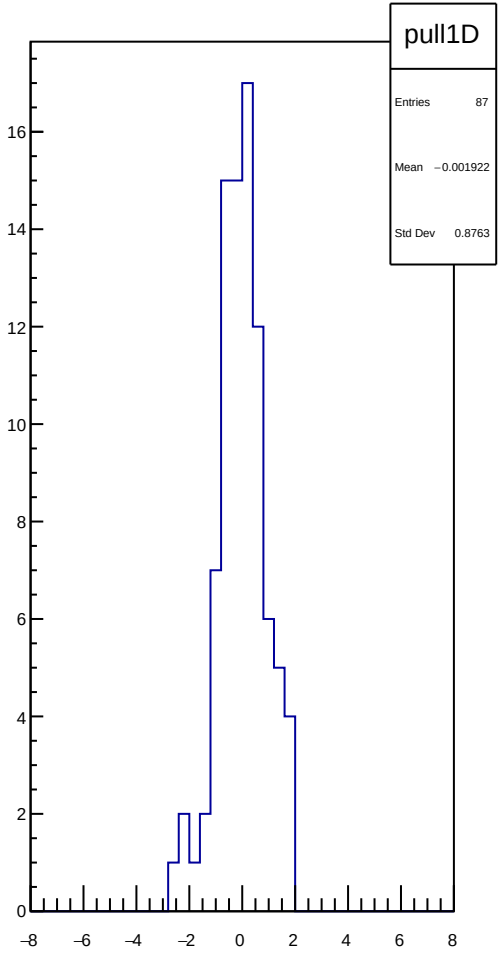

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 5975 / 86
p0 419.9 ± 0.3269
480
460
440
420
400
380

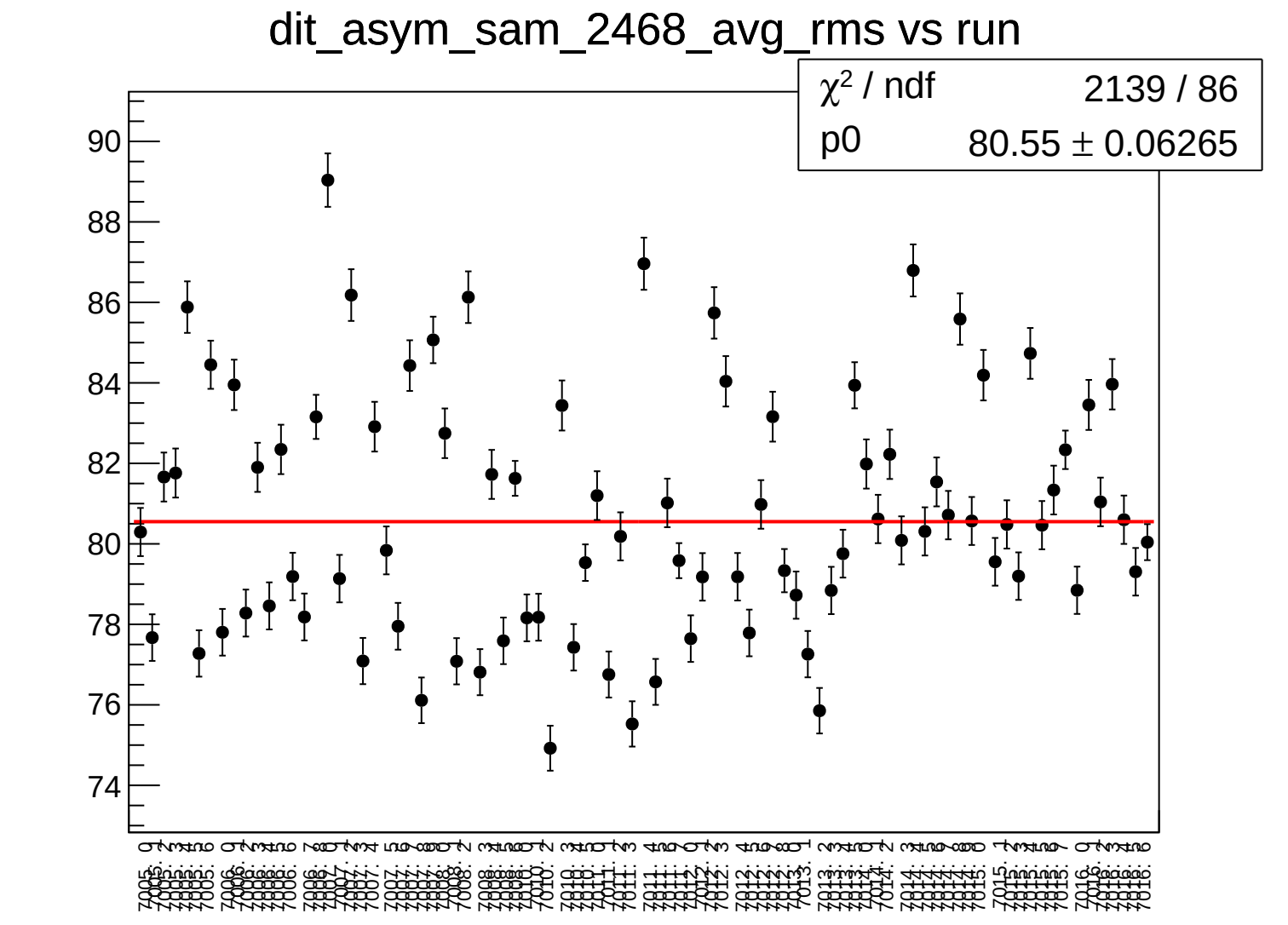

asym_sam_1357_avg_mean vs run
χ² / ndf 83.74 / 86
p0 451.6 ± 436.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 70.74
Std Dev 61.68
2
1
0
−1
−2

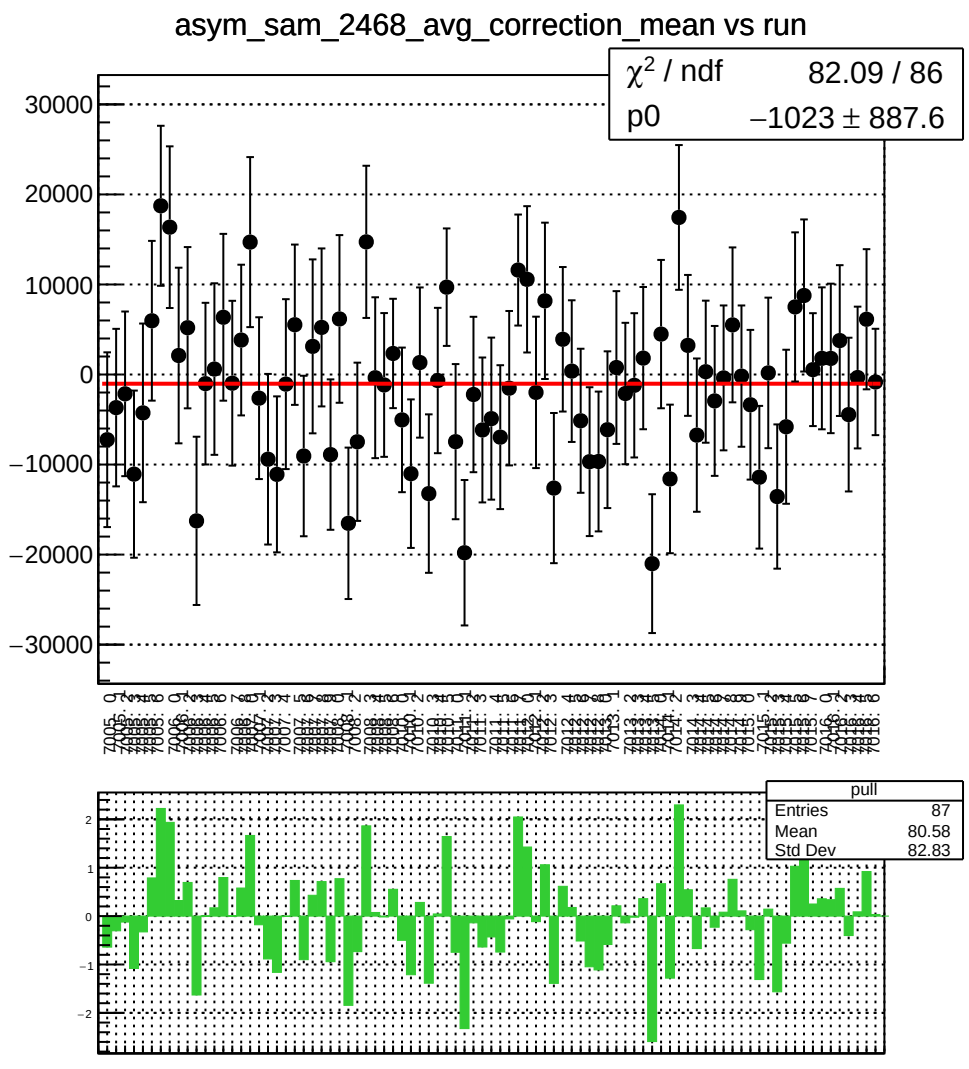

pull1D
Entries 87
Mean 0.0152
Std Dev 0.981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

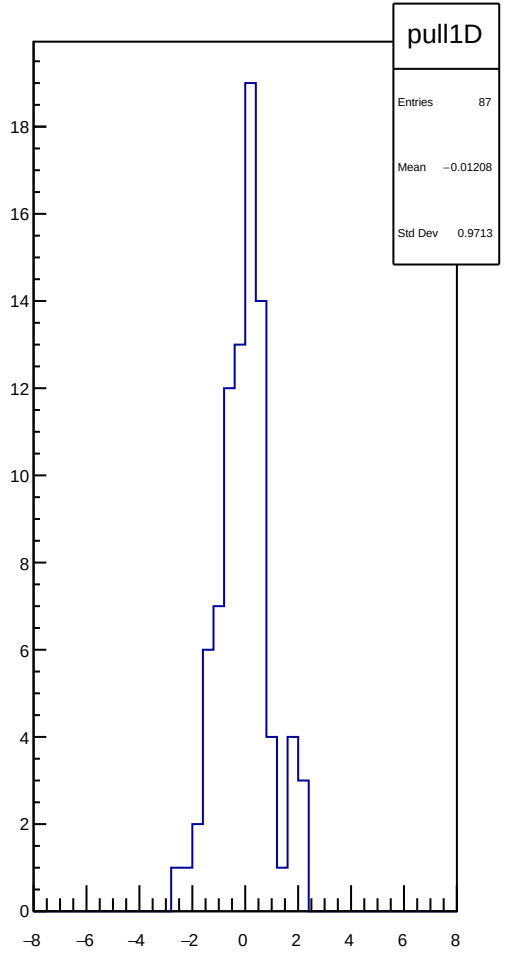

asym_sam_1357_avg_rms vs run
χ² / ndf 7692 / 86
p0 395.9 ± 0.3084
460
440
420
400
380
360

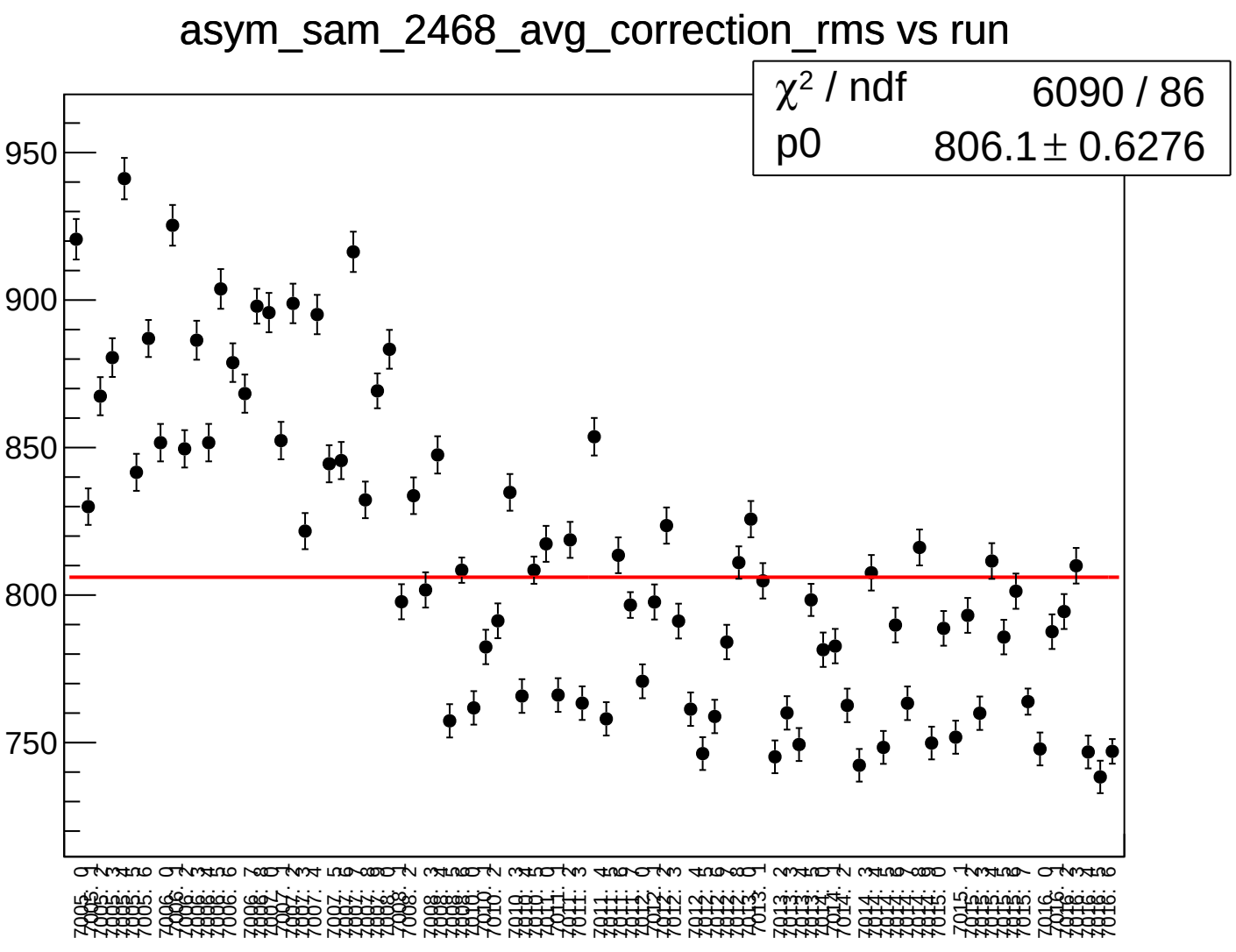

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 66.8 / 86
p0 −116.7 ± 88.6
pull
Entries 87
Mean −1715
Std Dev 1757

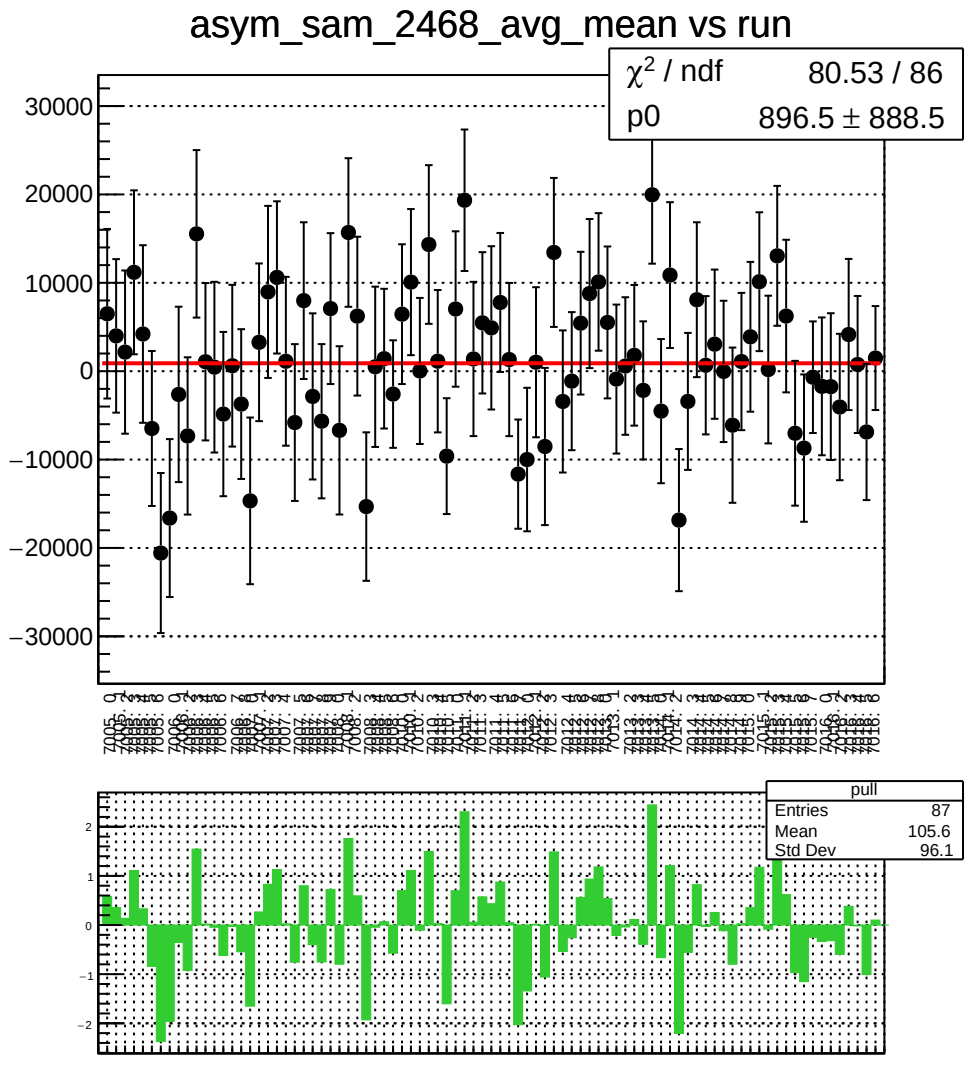

pull1D
Entries 87
Mean −0.001922
Std Dev 0.8763

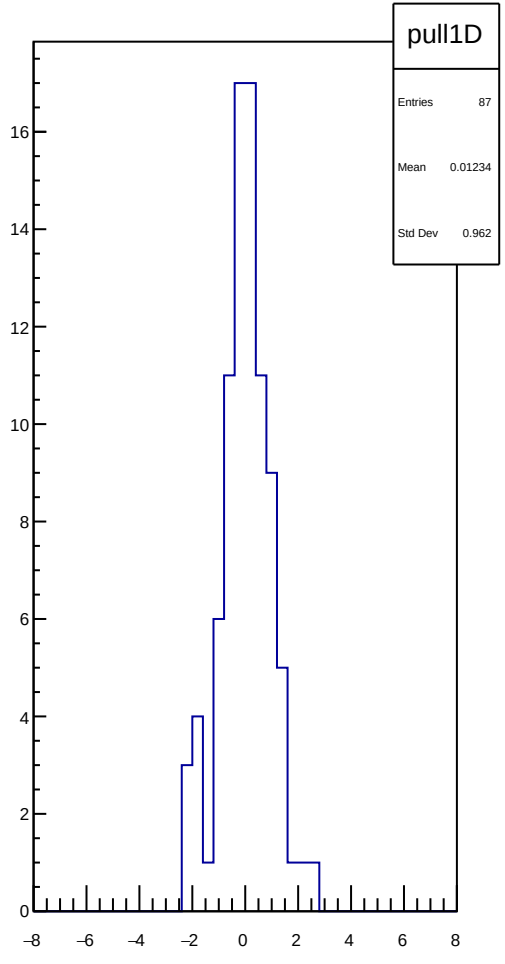

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2139 / 86
p0 80.55 ± 0.06265
90
88
86
84
82
80
78
76
74

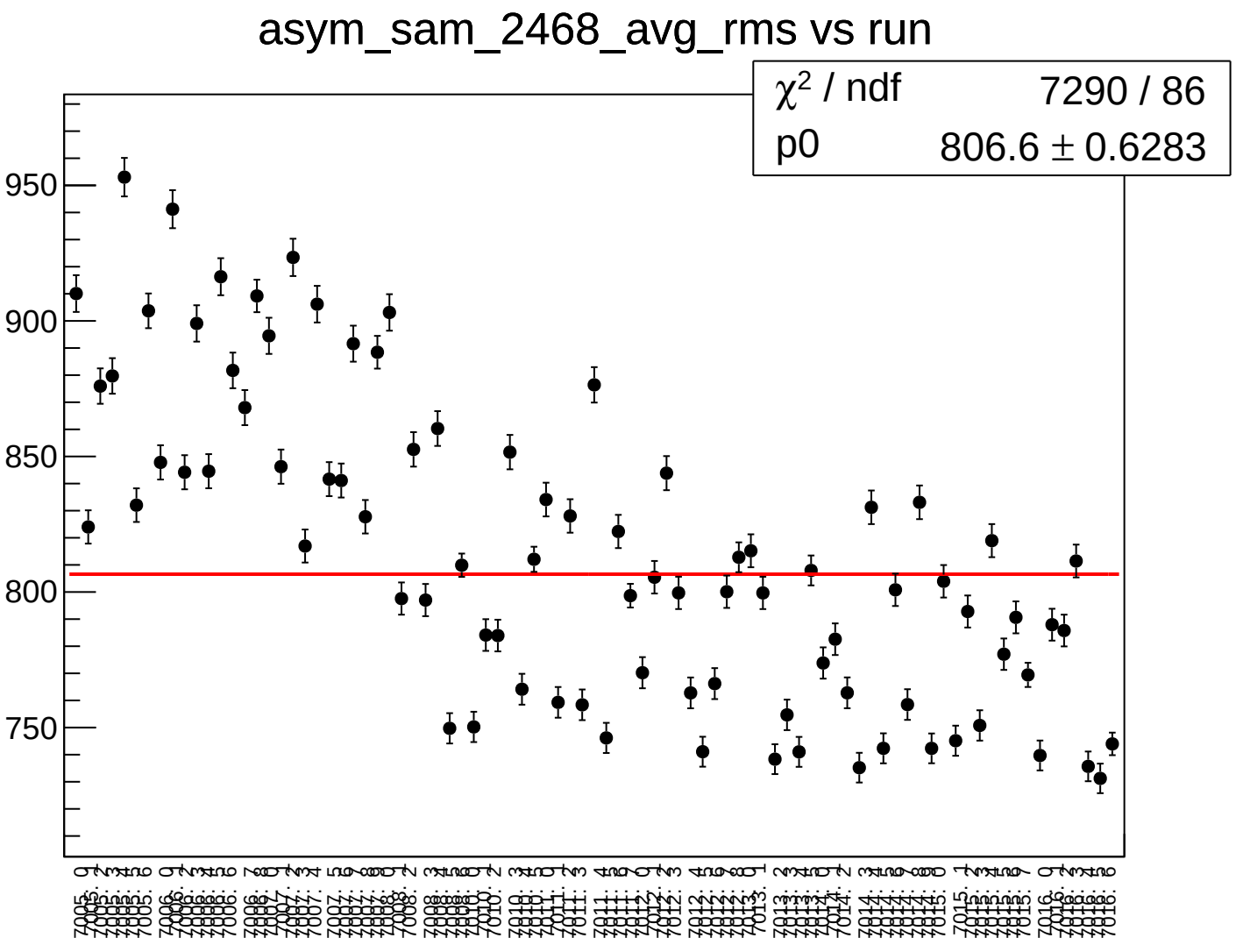

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 82.09 / 86
p0 −1023 ± 887.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 80.58
Std Dev 82.83
2
1
0
−1
−2

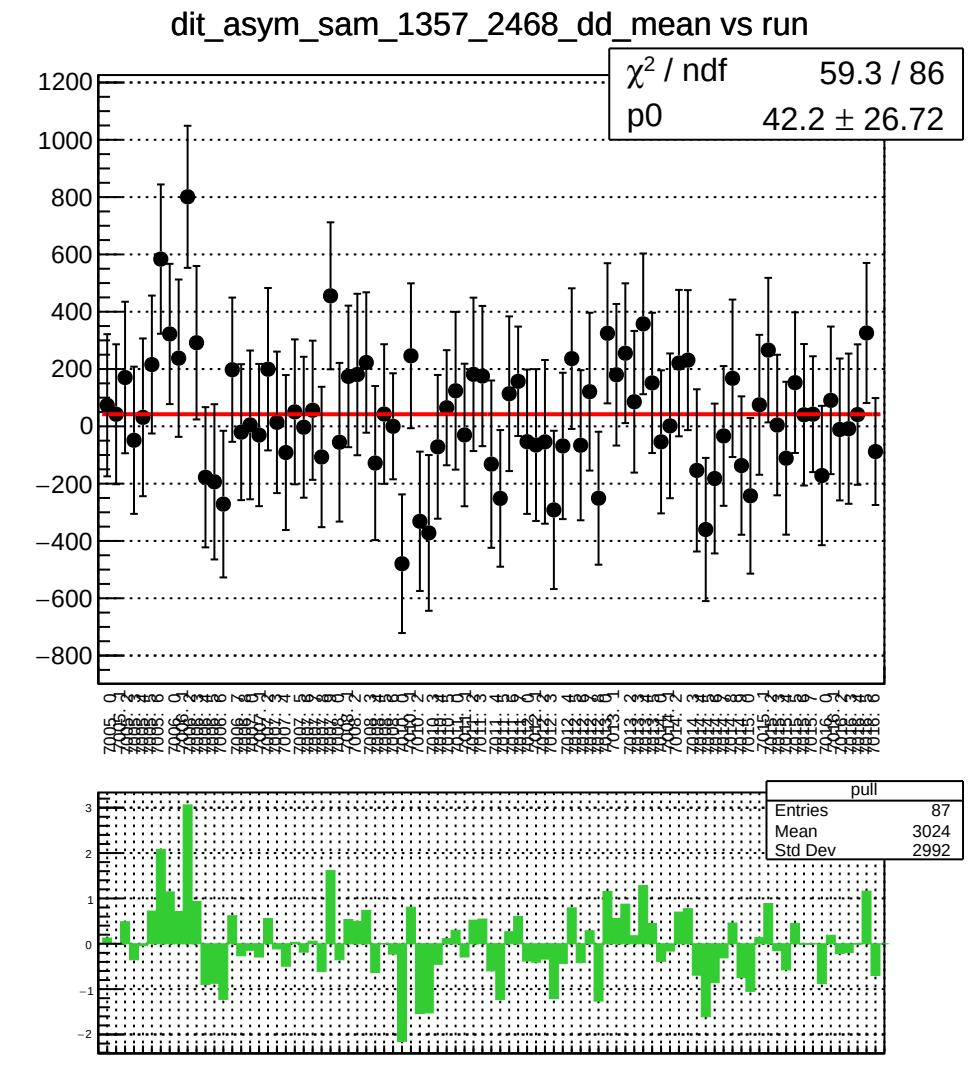

pull1D
Entries 87
Mean −0.01208
Std Dev 0.9713
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

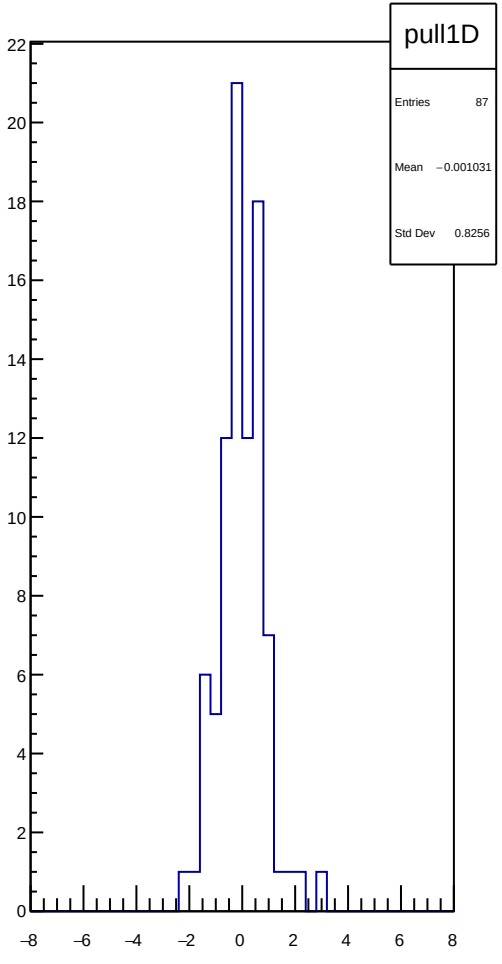

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6090 / 86
p0 806.1 ± 0.6276
950
900
850
800
750

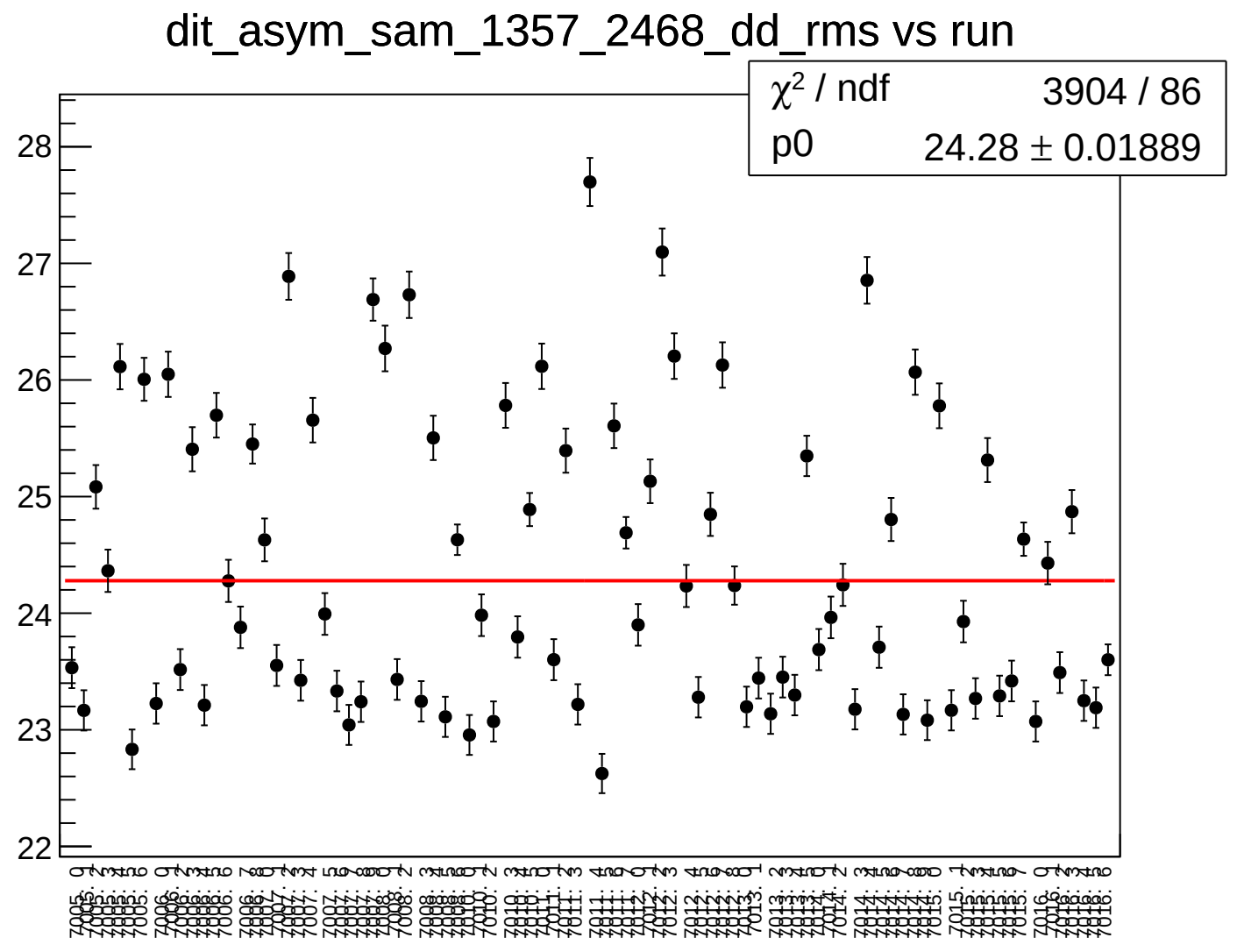

asym_sam_2468_avg_mean vs run
χ² / ndf 80.53 / 86
p0 896.5 ± 888.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 105.6
Std Dev 96.1
2
1
0
−1
−2

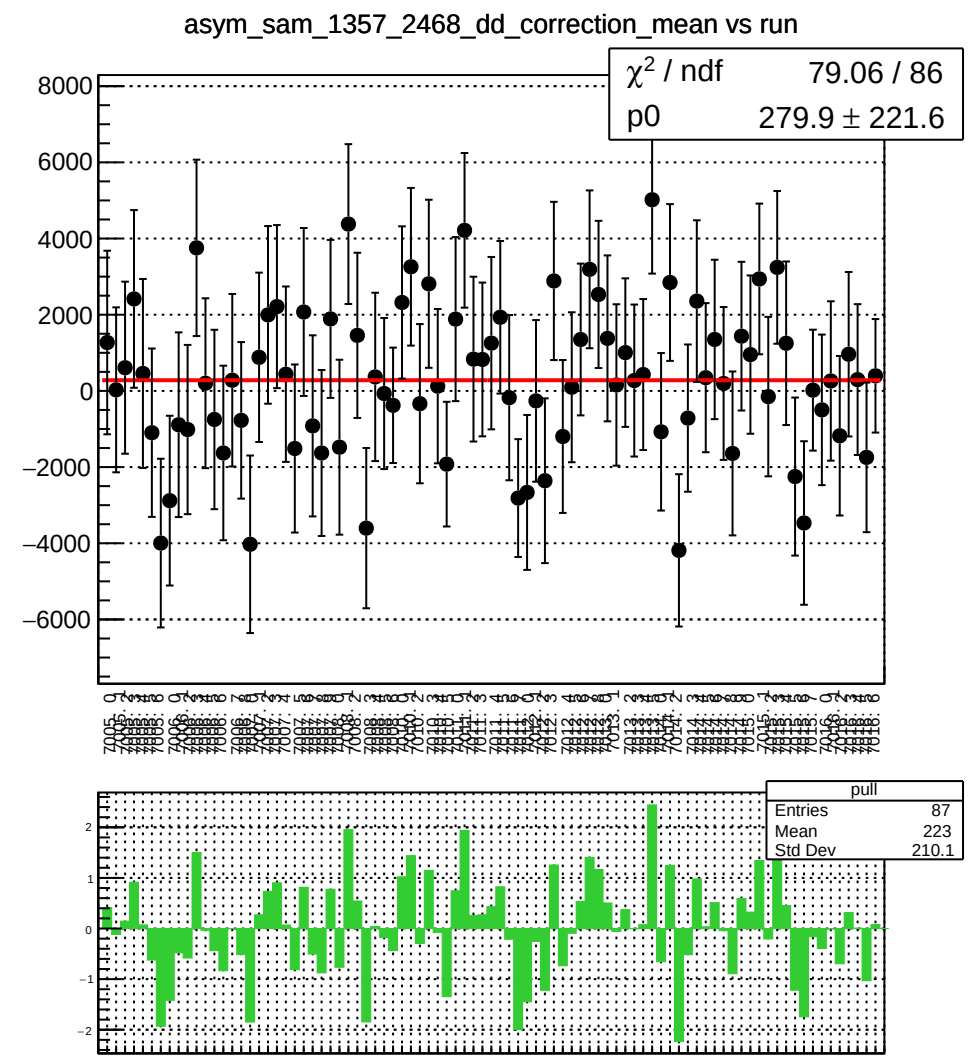

pull1D
Entries 87
Mean 0.01234
Std Dev 0.962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

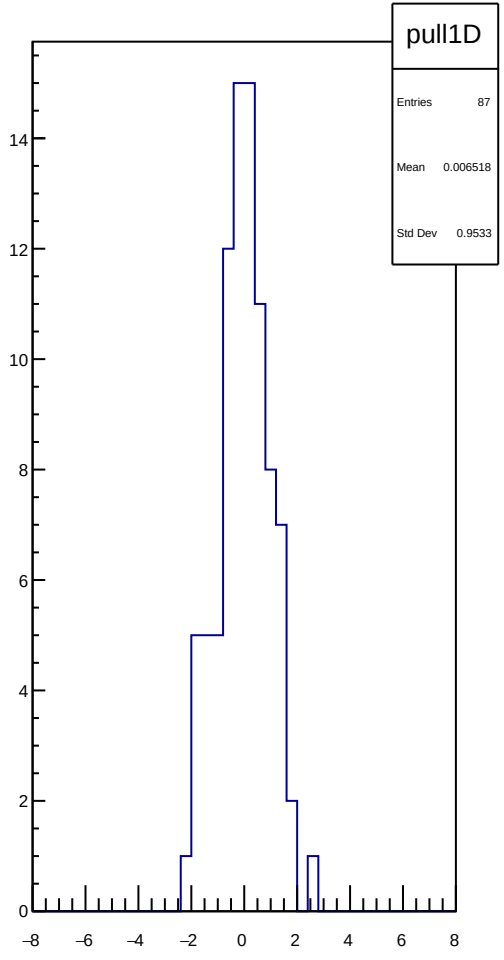

asym_sam_2468_avg_rms vs run
χ² / ndf 7290 / 86
p0 806.6 ± 0.6283
950
900
850
800
750

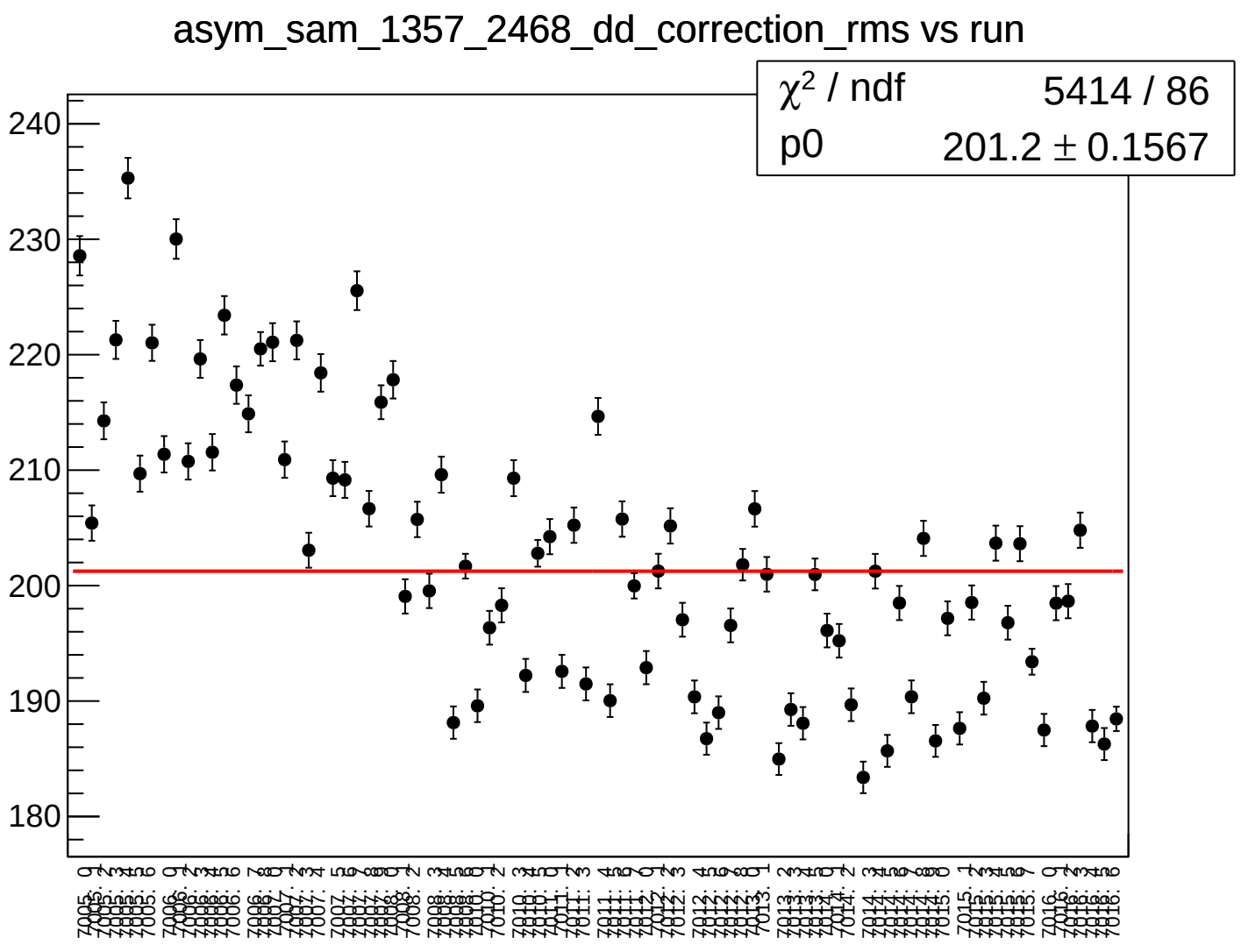

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 59.3 / 86
p0 42.2 ± 26.72
pull
Entries 87
Mean 3024
Std Dev 2992

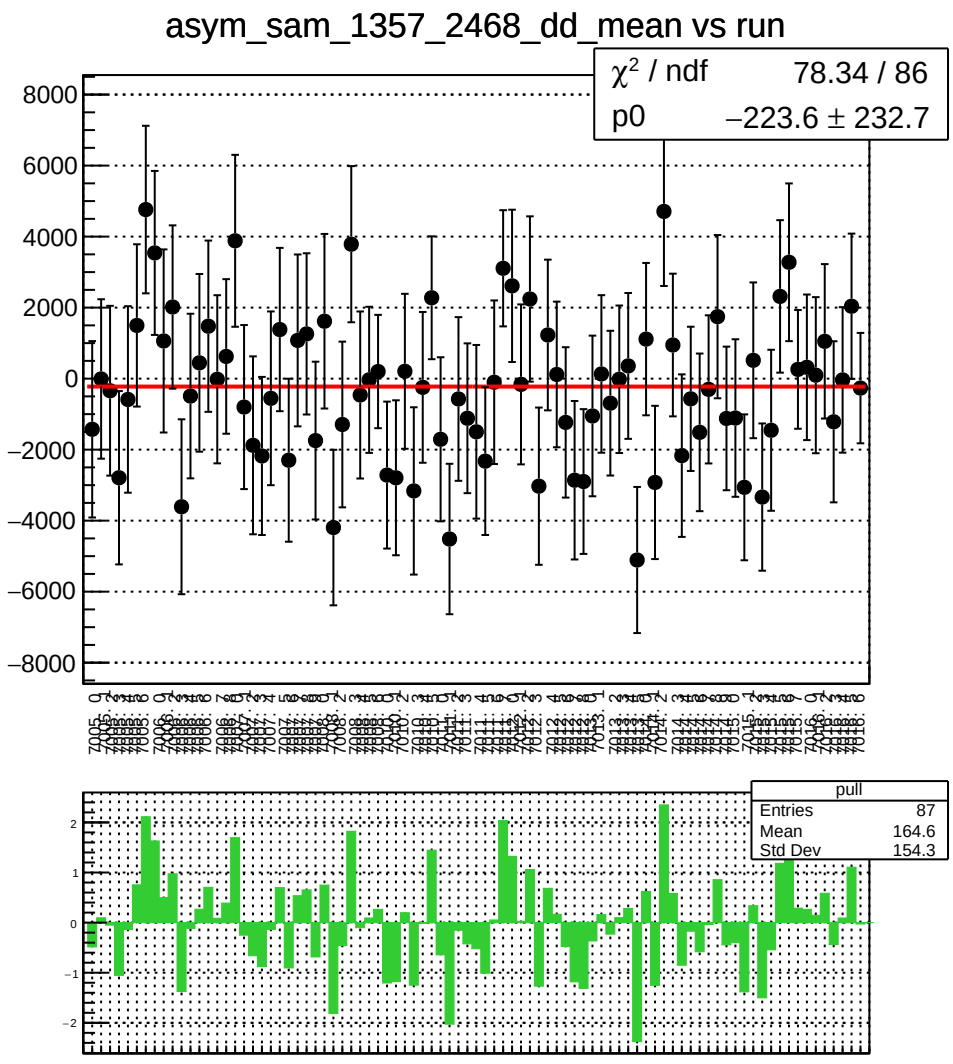

pull1D
Entries 87
Mean −0.001031
Std Dev 0.8256

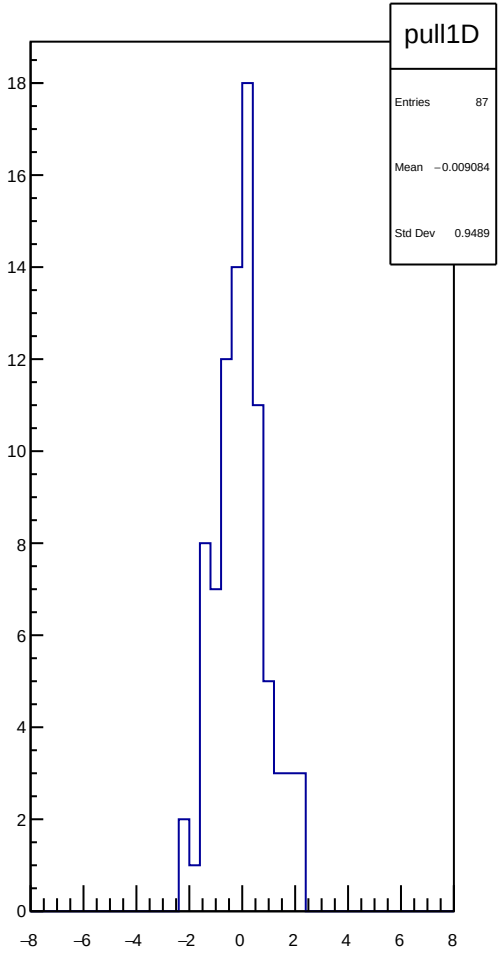

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3904 / 86
p0 24.28 ± 0.01889
28
27
26
25
24
23
22

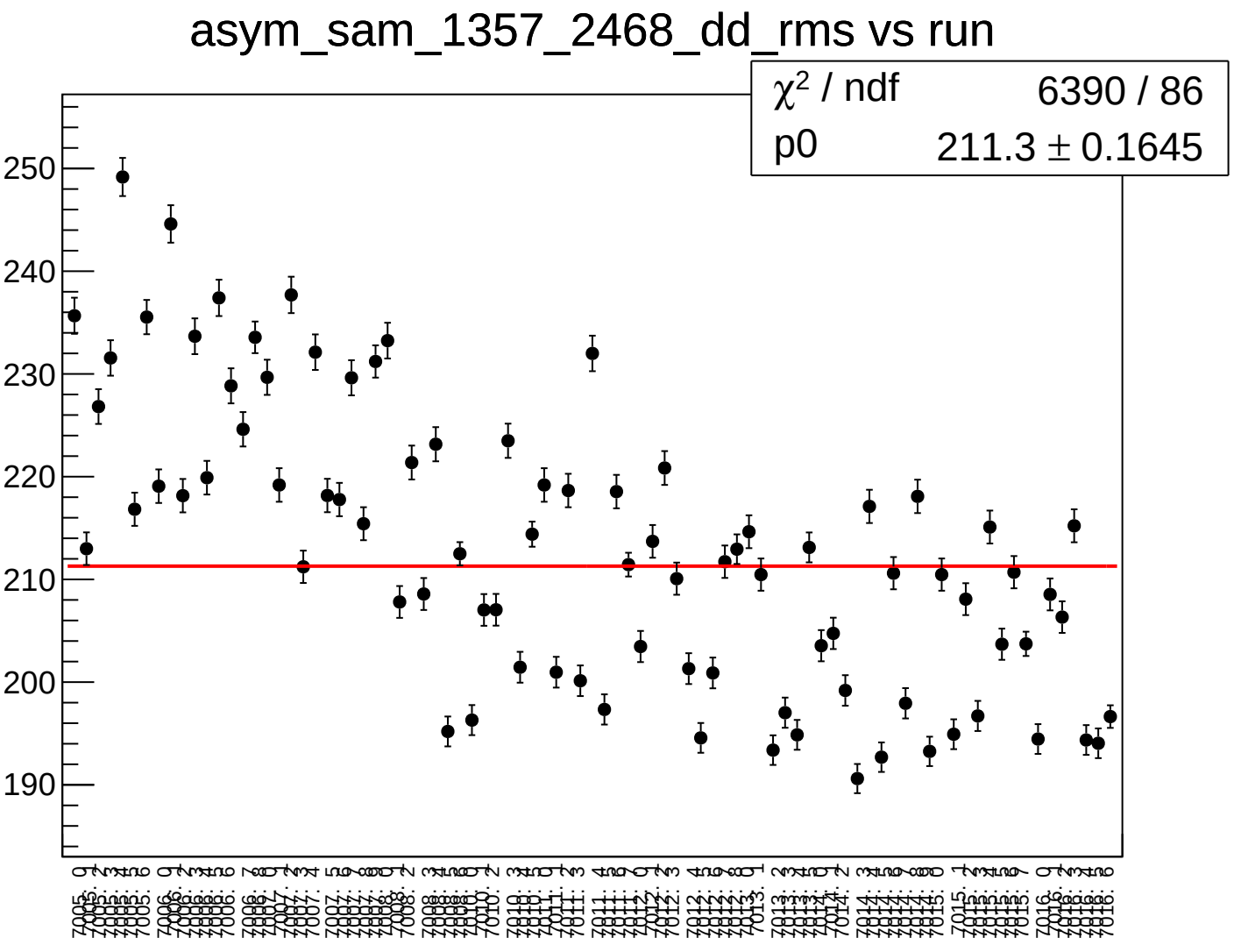

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 79.06 / 86
p0 279.9 ± 221.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean 223
Std Dev 210.1
2
1
0
−1
−2

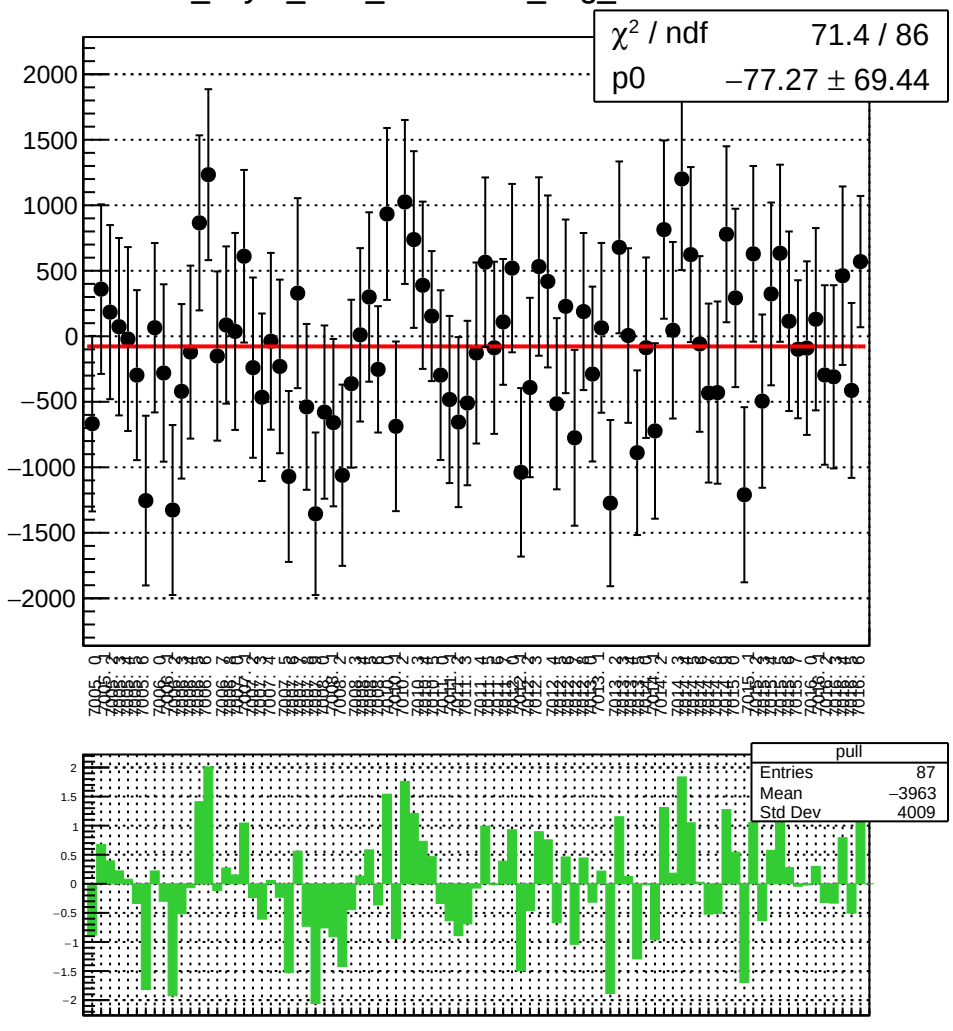

pull1D
Entries 87
Mean 0.006518
Std Dev 0.9533
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

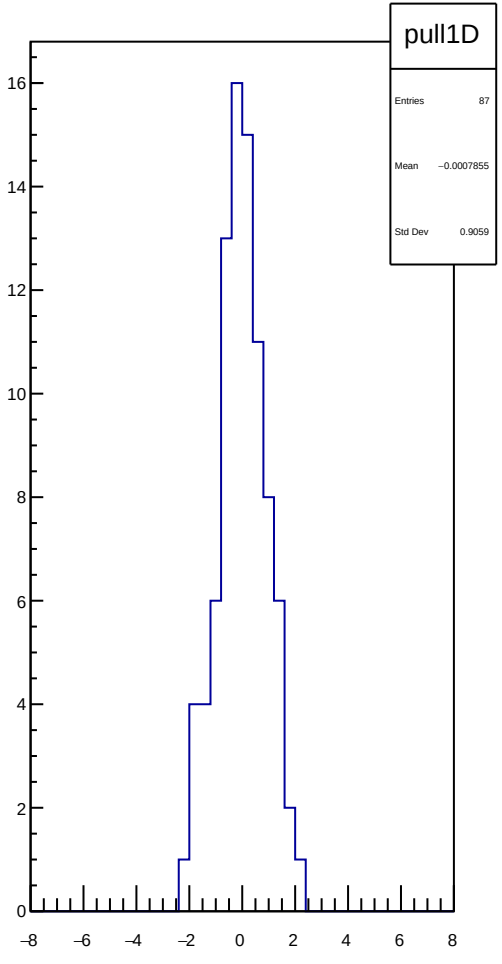

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 5414 / 86
p0 201.2 ± 0.1567
240
230
220
210
200
190
180

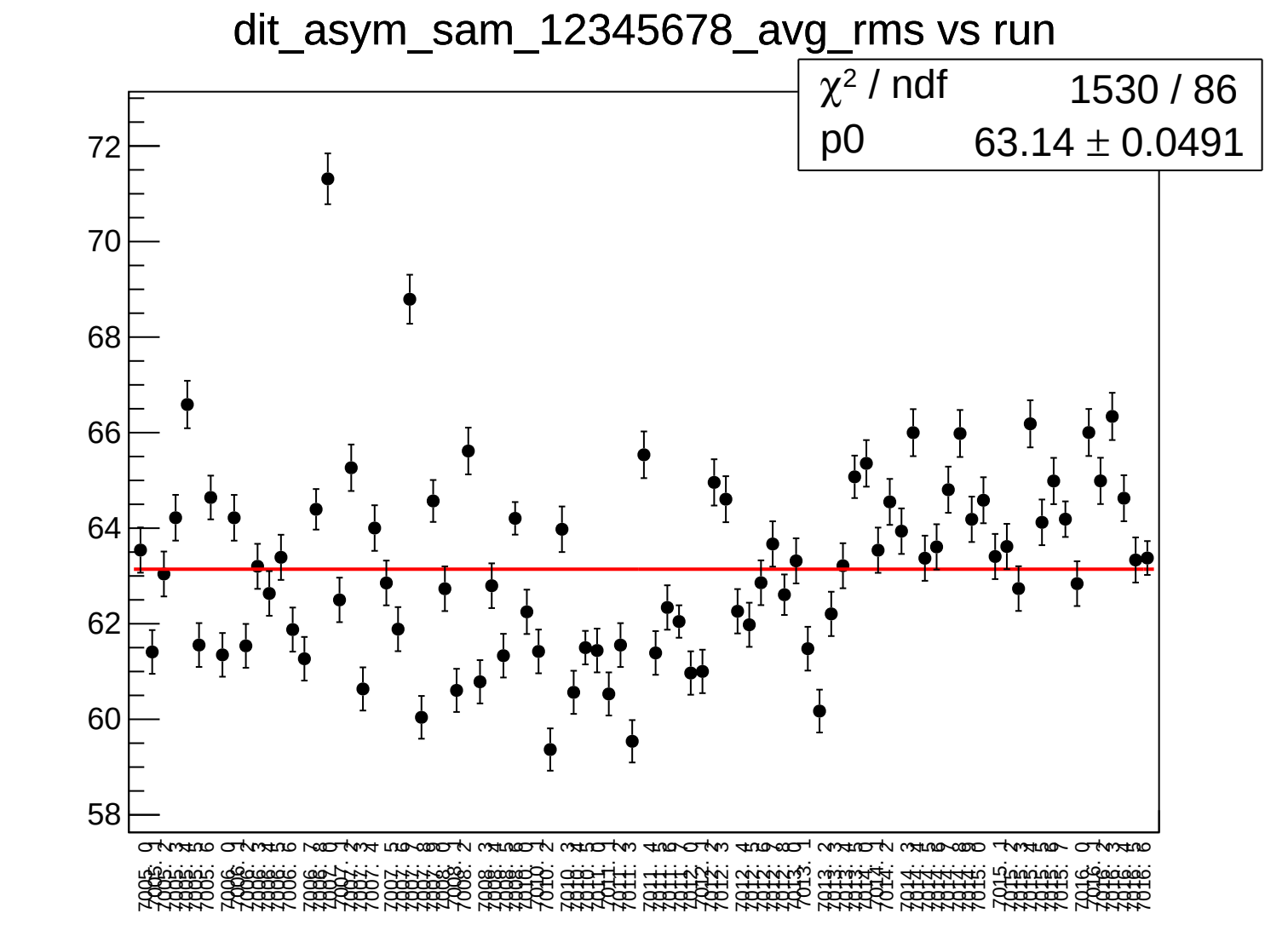

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.34 / 86
p0 −223.6 ± 232.7
pull
Entries 87
Mean 164.6
Std Dev 154.3

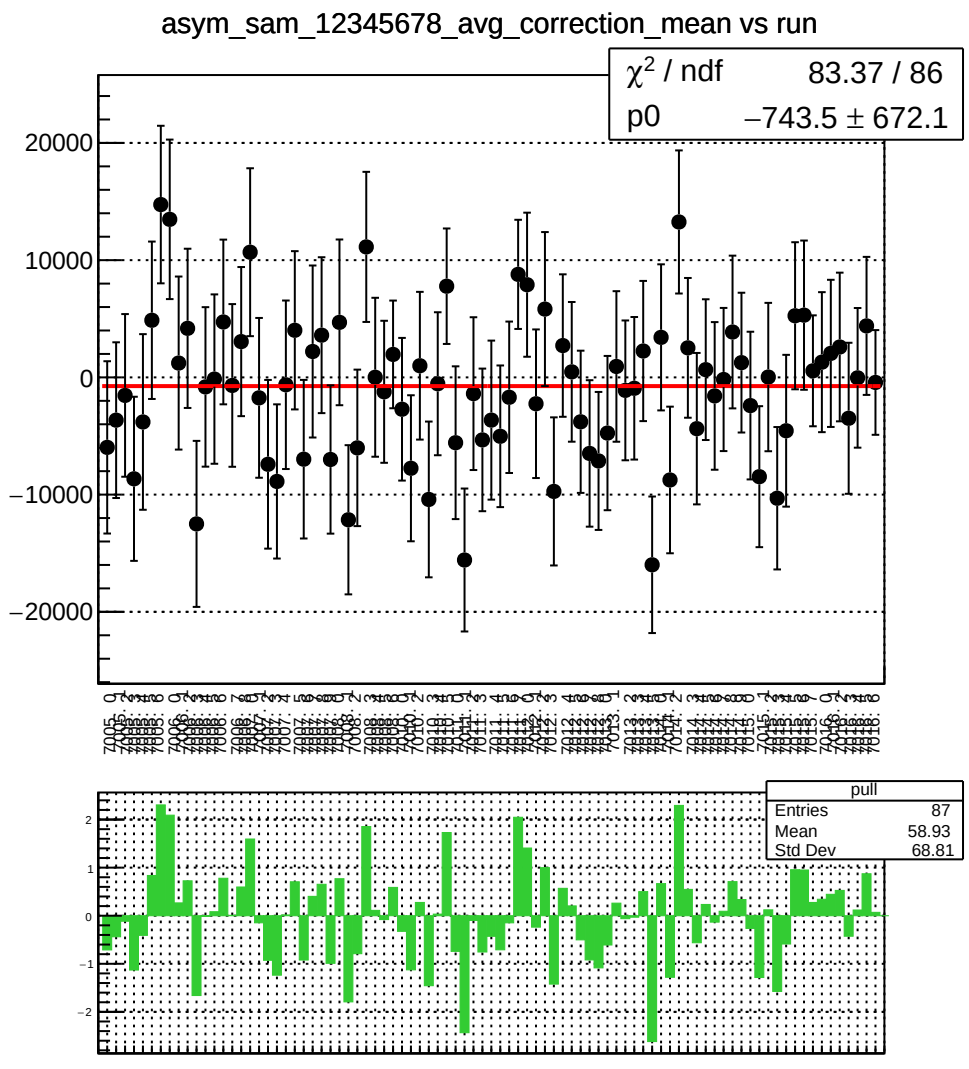

pull1D
Entries 87
Mean −0.009084
Std Dev 0.9489

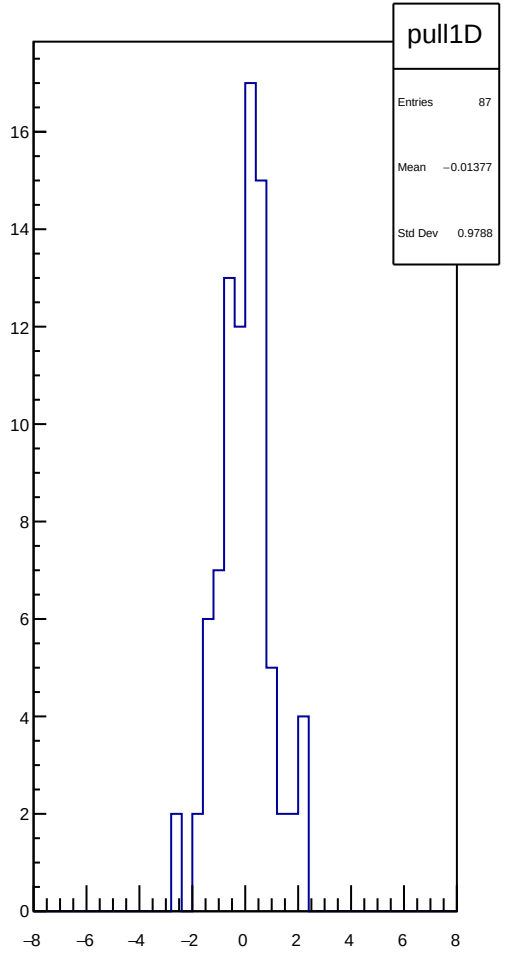

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6390 / 86
p0 211.3 ± 0.1645
250
240
230
220
210
200
190

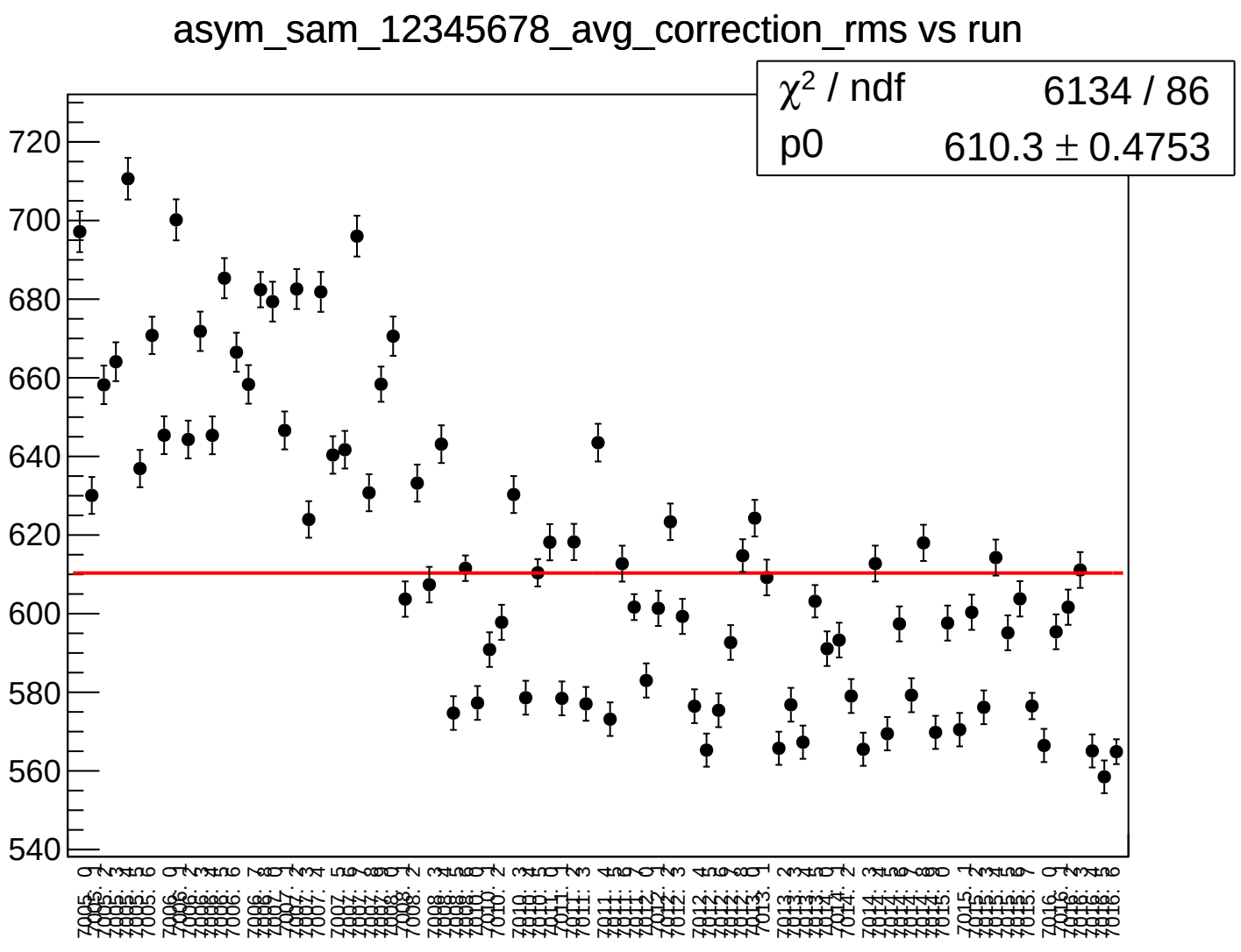

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 71.4 / 86
p0 −77.27 ± 69.44
pull
Entries 87
Mean −3963
Std Dev 4009

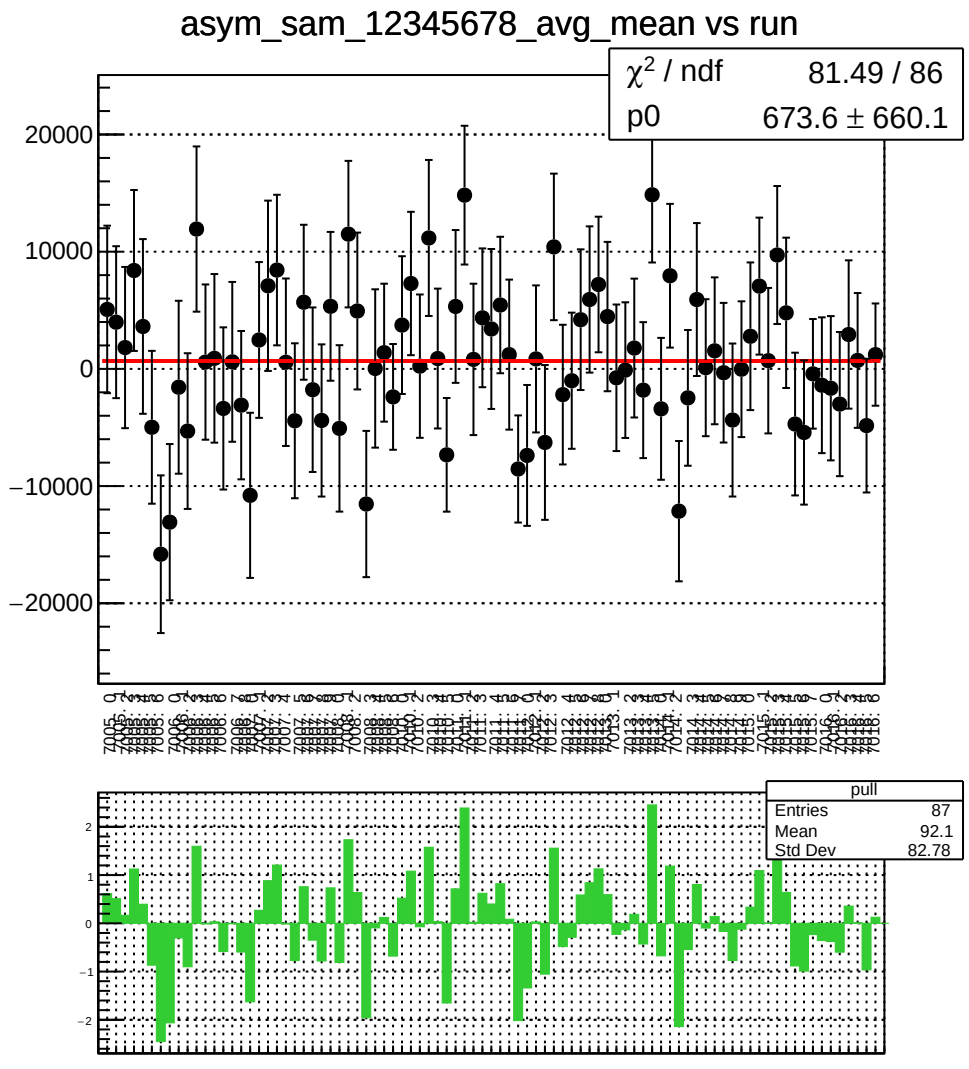

pull1D
Entries 87
Mean −0.0007855
Std Dev 0.9059

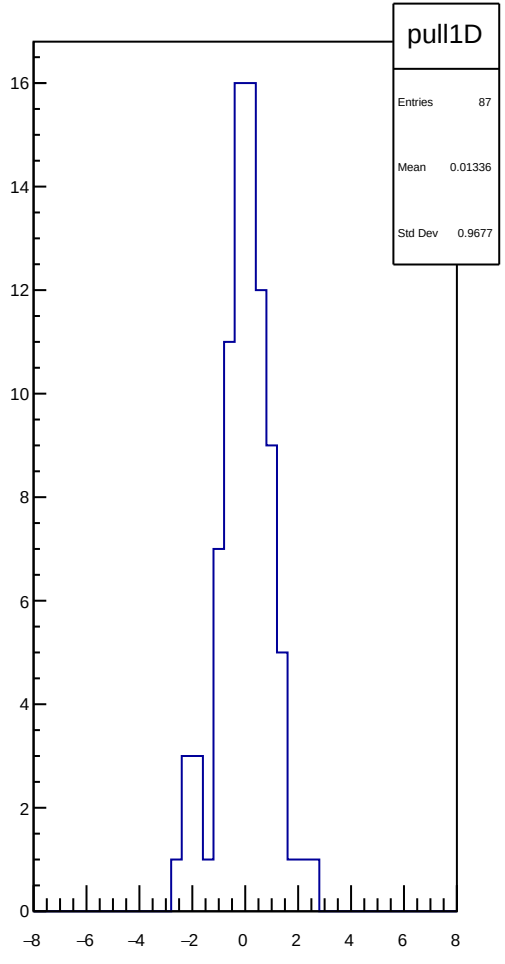

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1530 / 86
p0 63.14 ± 0.0491
72
70
68
66
64
62
60
58

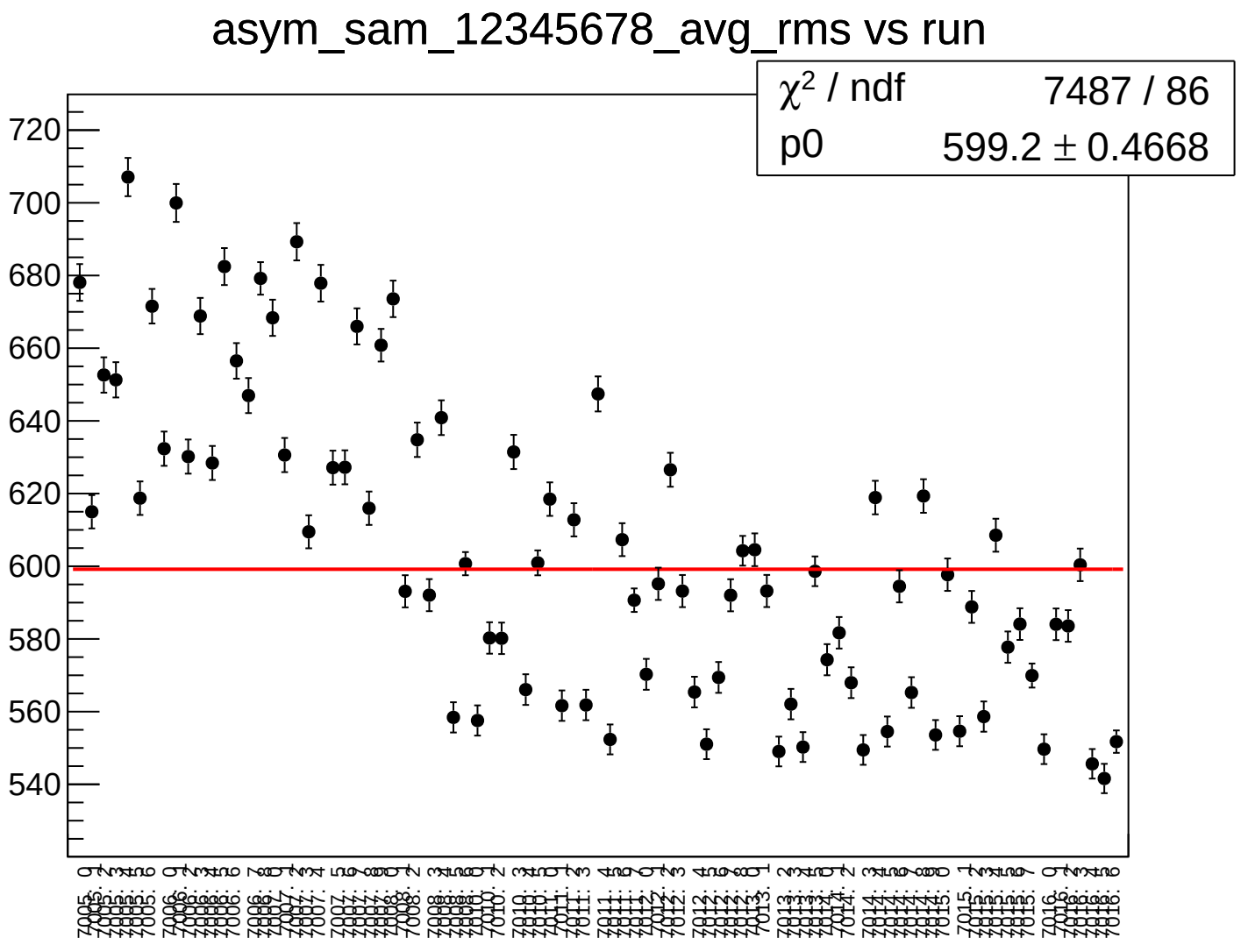

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 83.37 / 86
p0 −743.5 ± 672.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 58.93
Std Dev 68.81
2
1
0
−1
−2

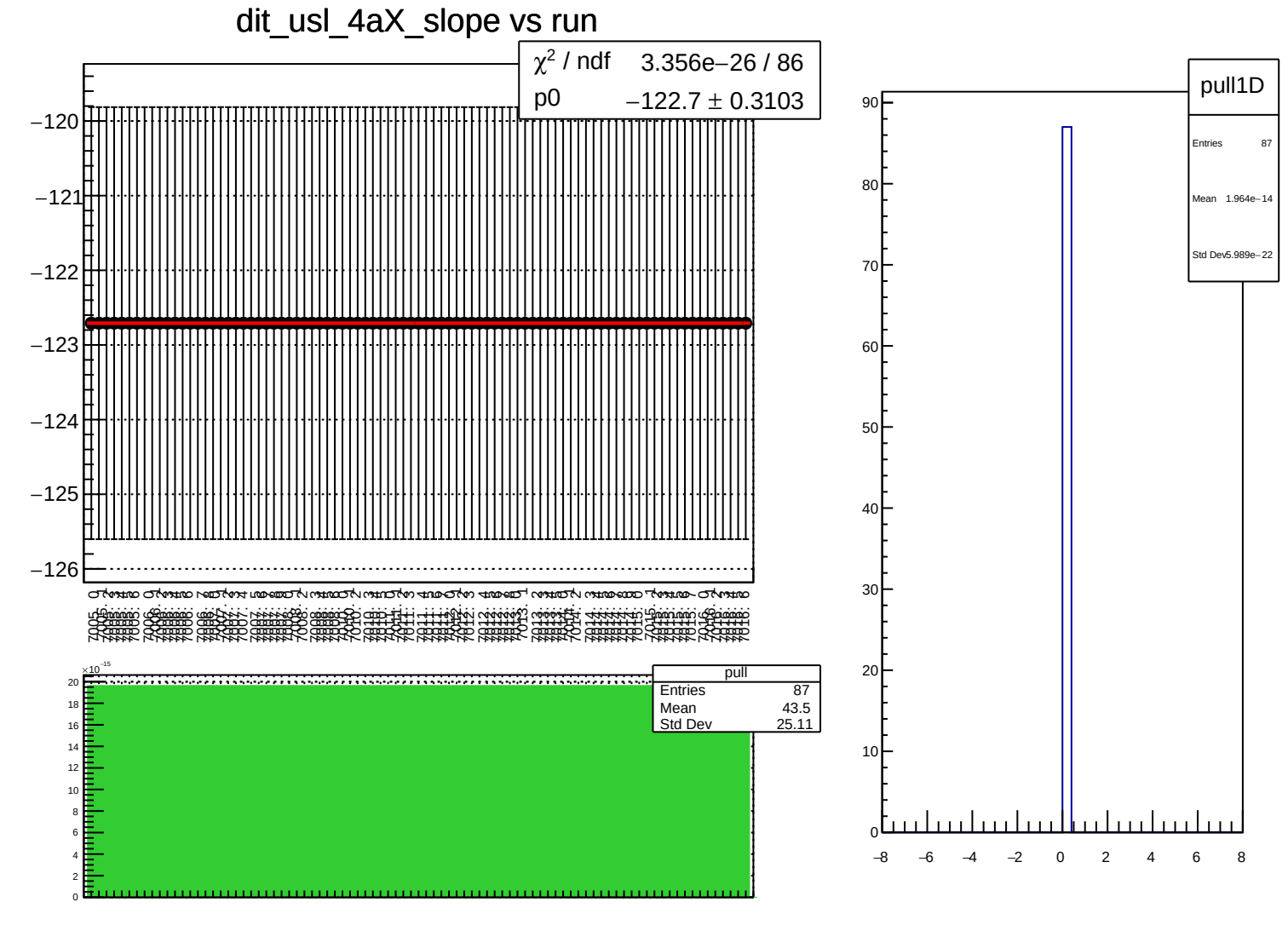

pull1D
Entries 87
Mean −0.01377
Std Dev 0.9788
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

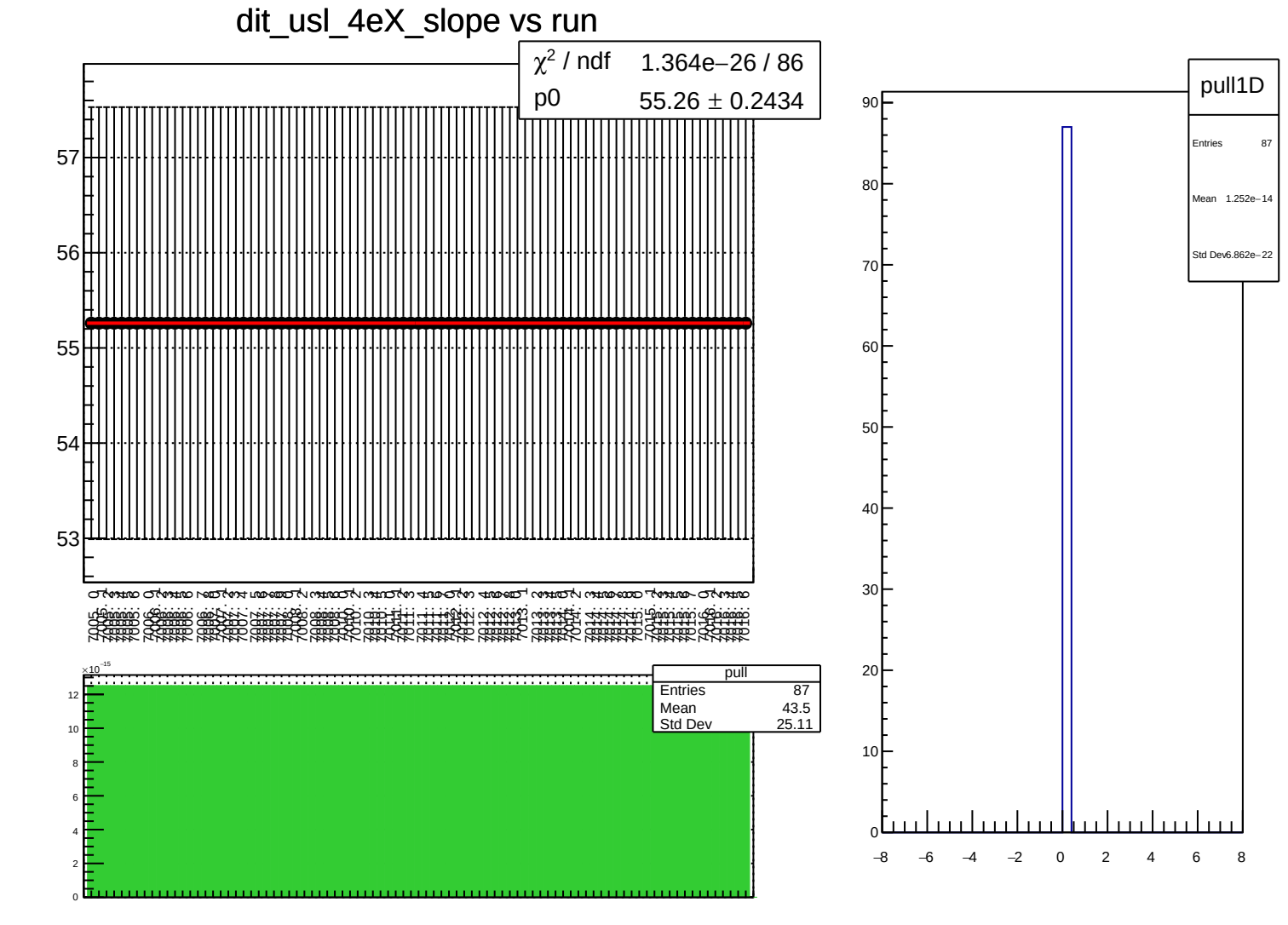

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6134 / 86
p0 610.3 ± 0.4753
720
700
680
660
640
620
600
580
560
540

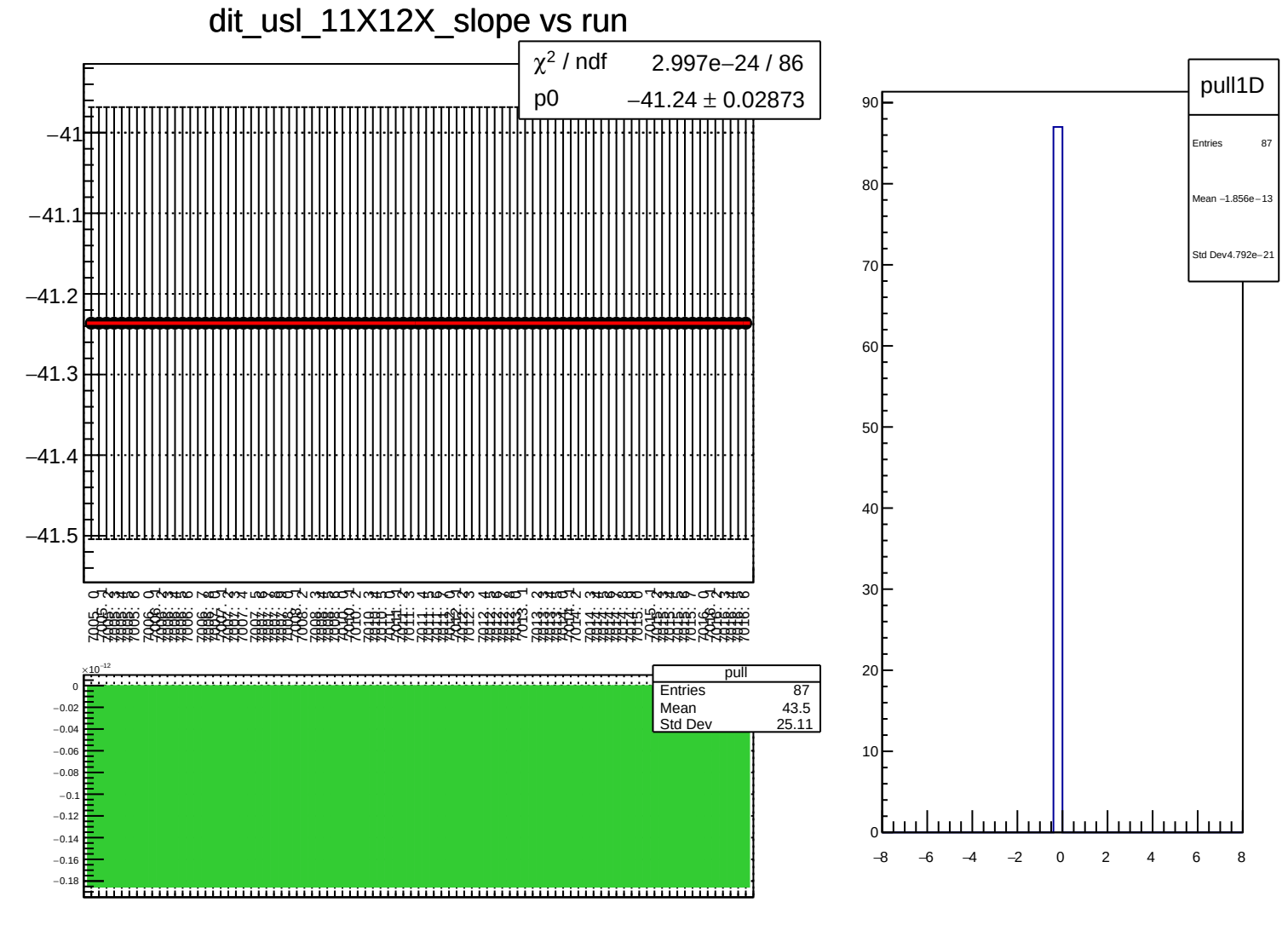

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.49 / 86
p0 673.6 ± 660.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 92.1
Std Dev 82.78
2
1
0
−1
−2

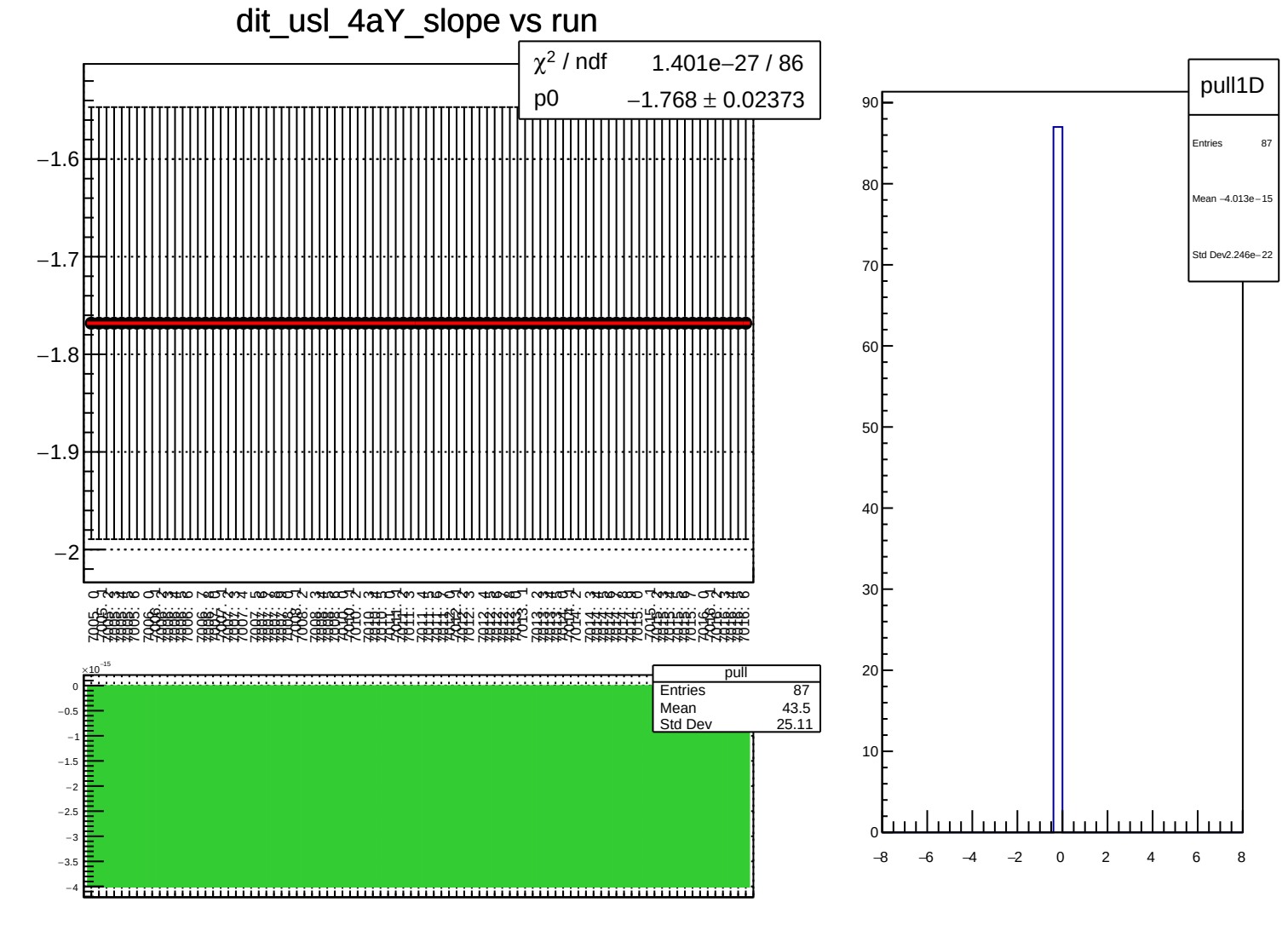

pull1D
Entries 87
Mean 0.01336
Std Dev 0.9677
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

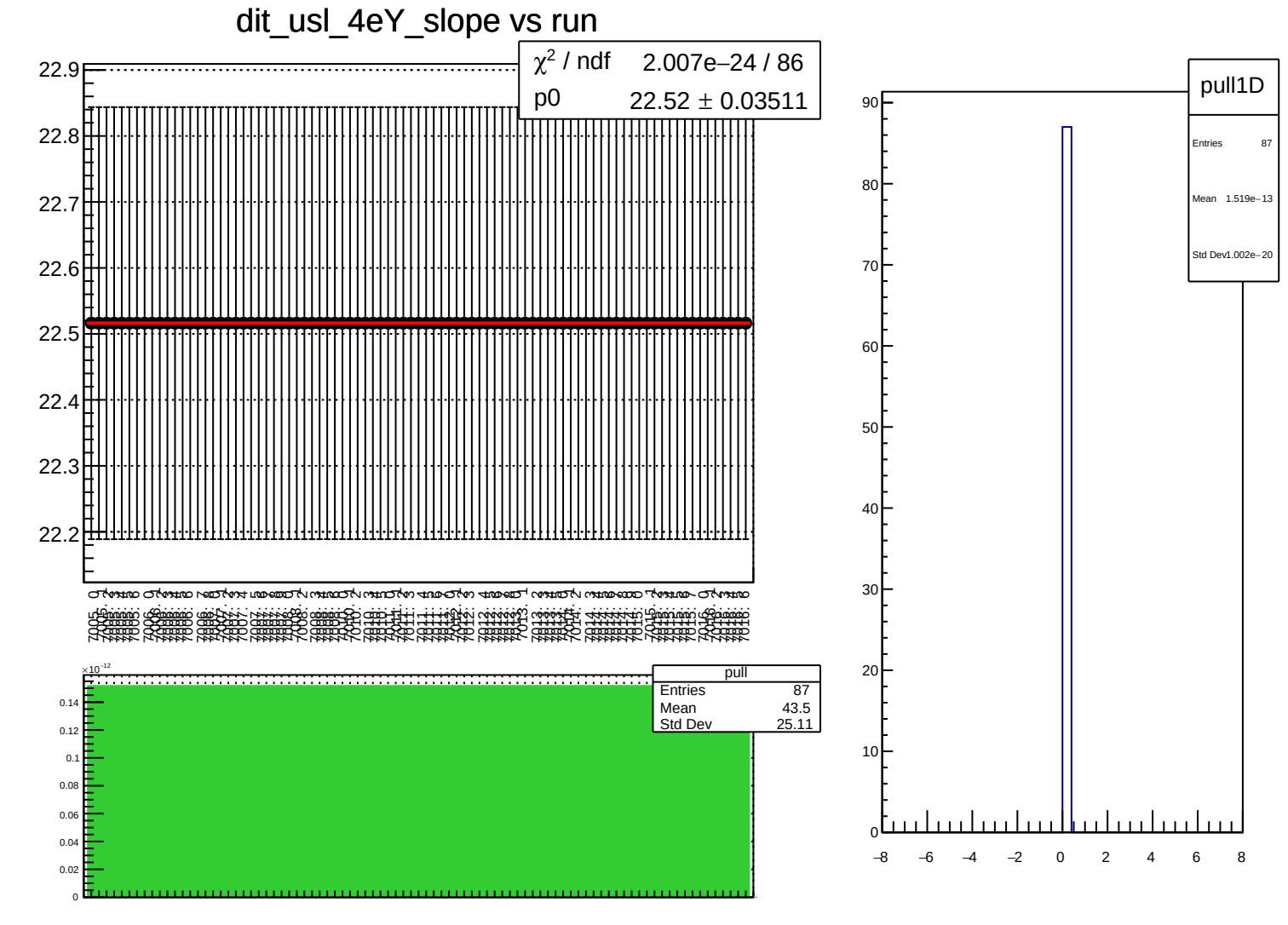

asym_sam_12345678_avg_rms vs run
χ² / ndf 7487 / 86
p0 599.2 ± 0.4668
720
700
680
660
640
620
600
580
560
540

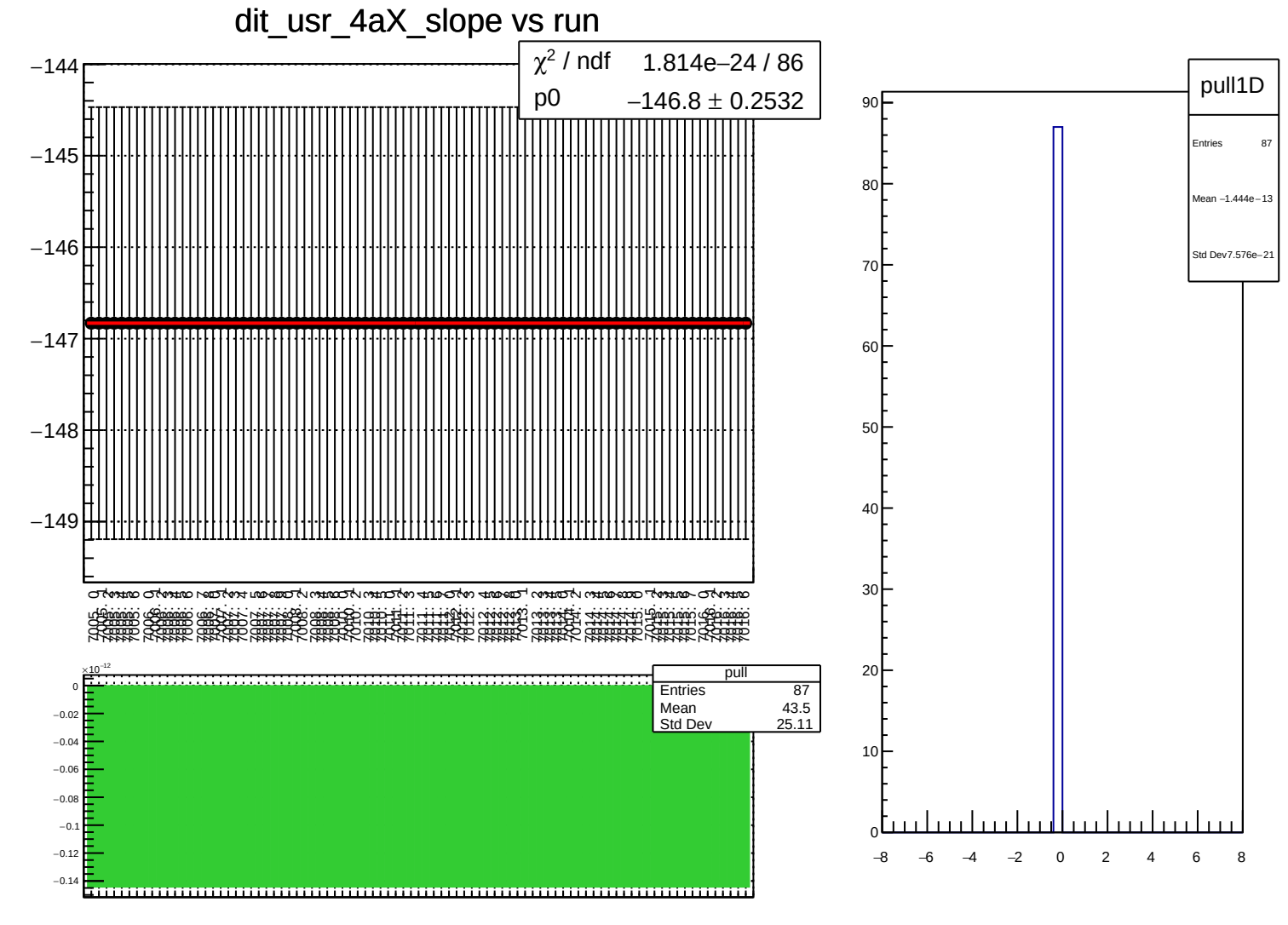

dit_usl_4aX_slope vs run
χ² / ndf 3.356e−26 / 86
p0 −122.7 ± 0.3103
−120
−121
−122
−123
−124
−125
−126
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 1.964e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

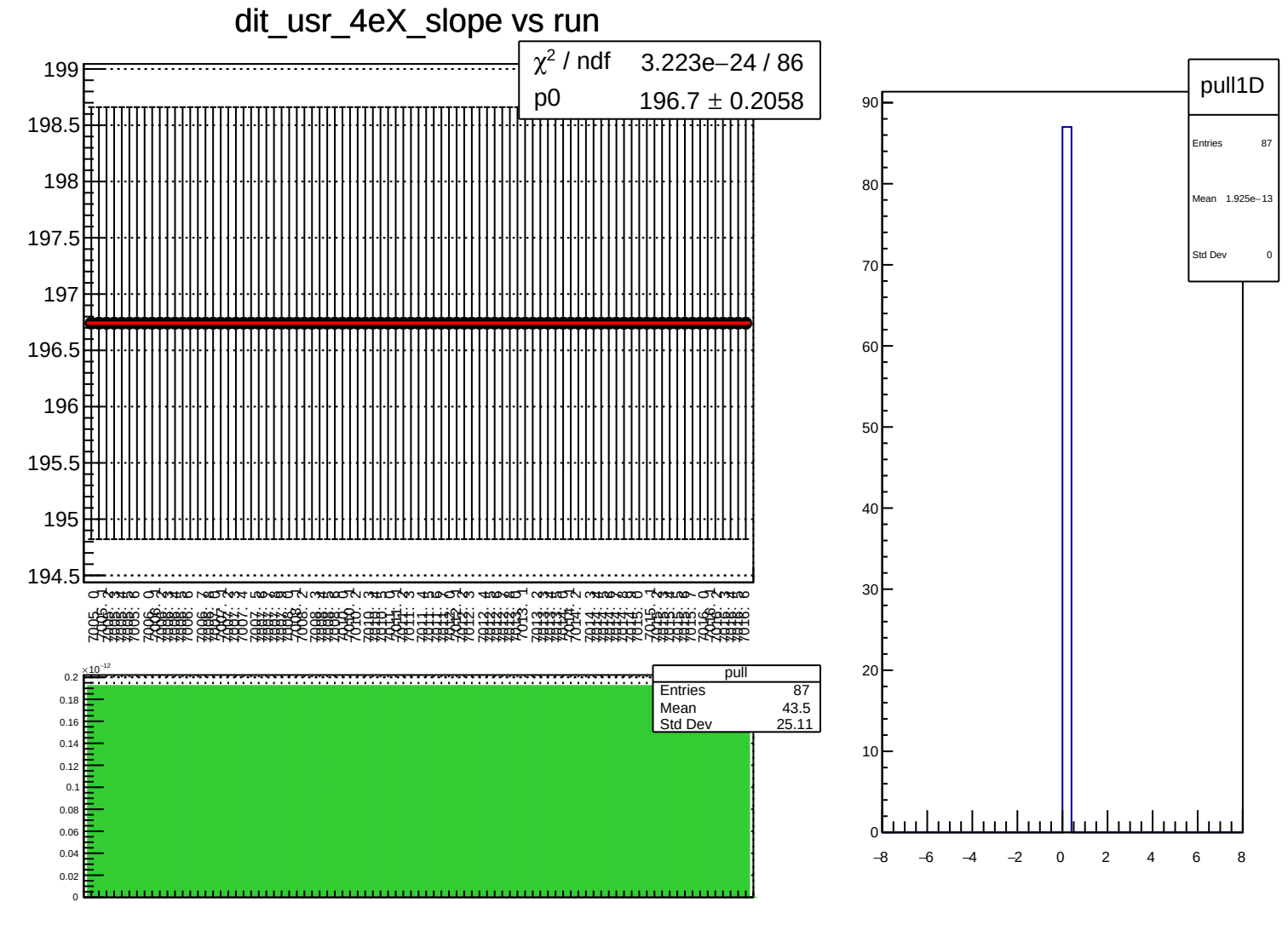

dit_usl_4eX_slope vs run
χ² / ndf 1.364e−26 / 86
p0 55.26 ± 0.2434
57
56
55
54
53
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.252e−14
Std Dev 6.862e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

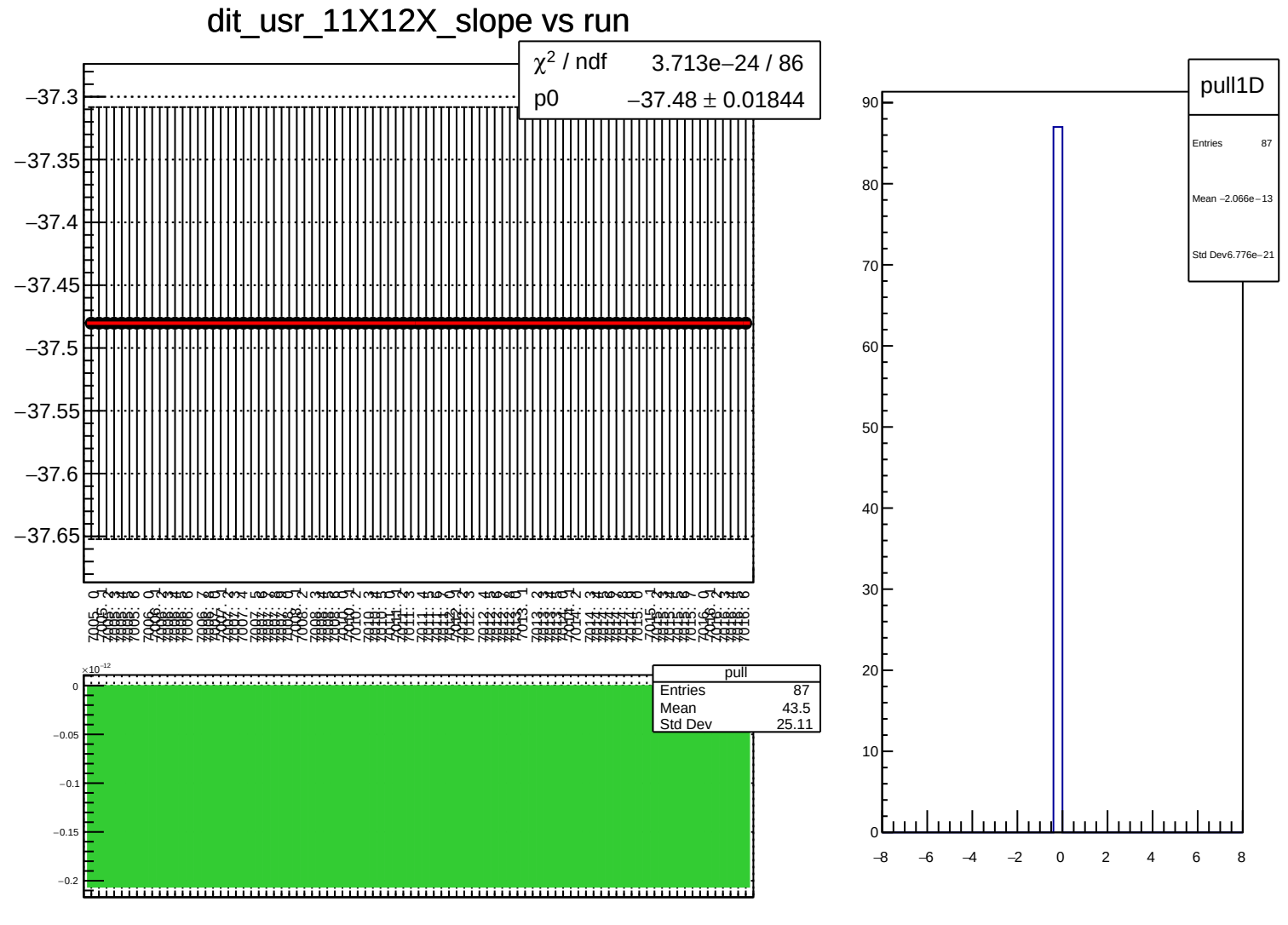

dit_usl_11X12X_slope vs run
χ² / ndf 2.997e−24 / 86
p0 −41.24 ± 0.02873
−41
−41.1
−41.2
−41.3
−41.4
−41.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 87
Mean −1.856e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0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

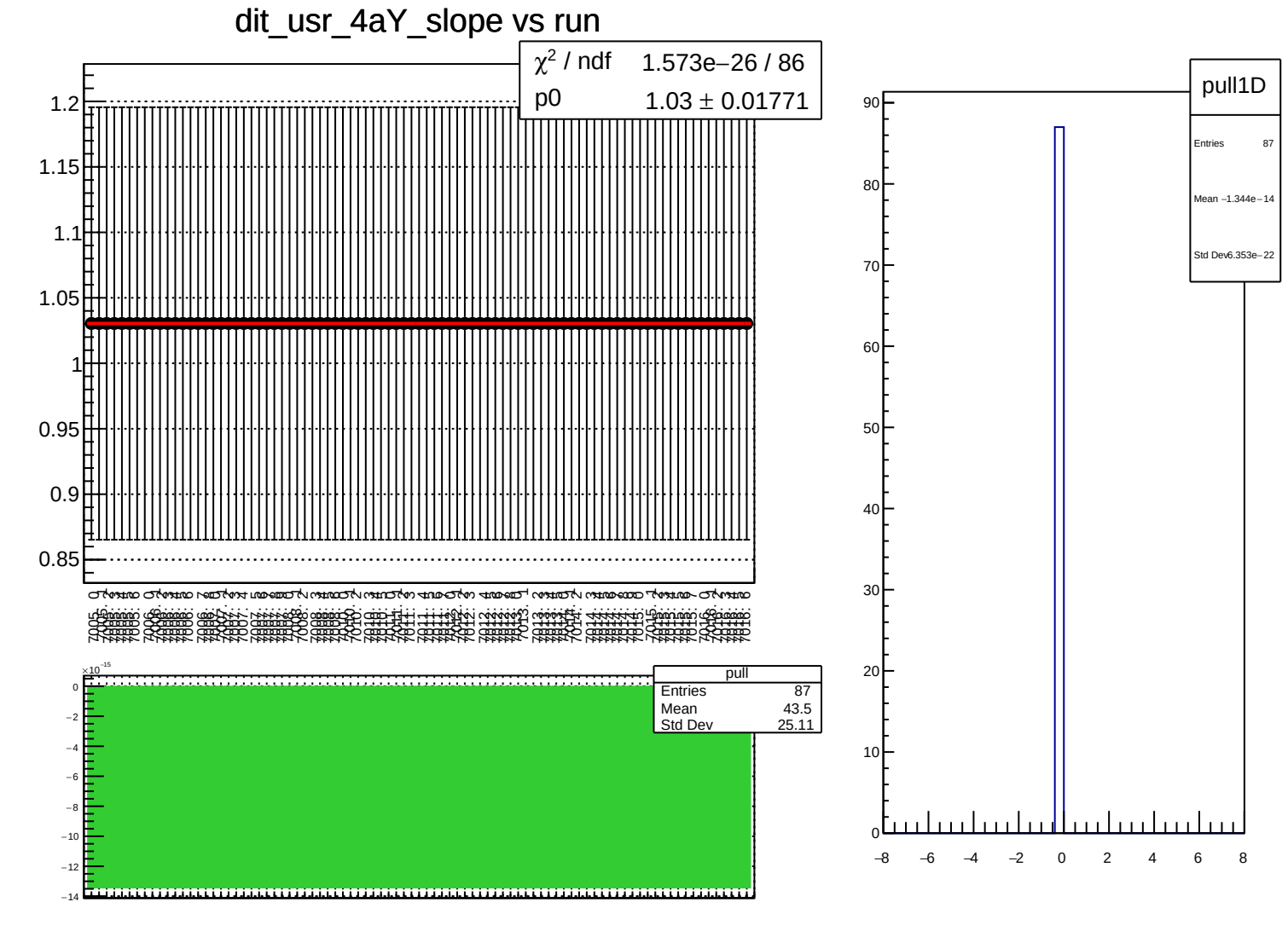

dit_usl_4aY_slope vs run
χ² / ndf 1.401e−27 / 86
p0 −1.768 ± 0.02373
−1.6
−1.7
−1.8
−1.9
−2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 87
Mean −4.013e−15
Std Dev 2.246e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

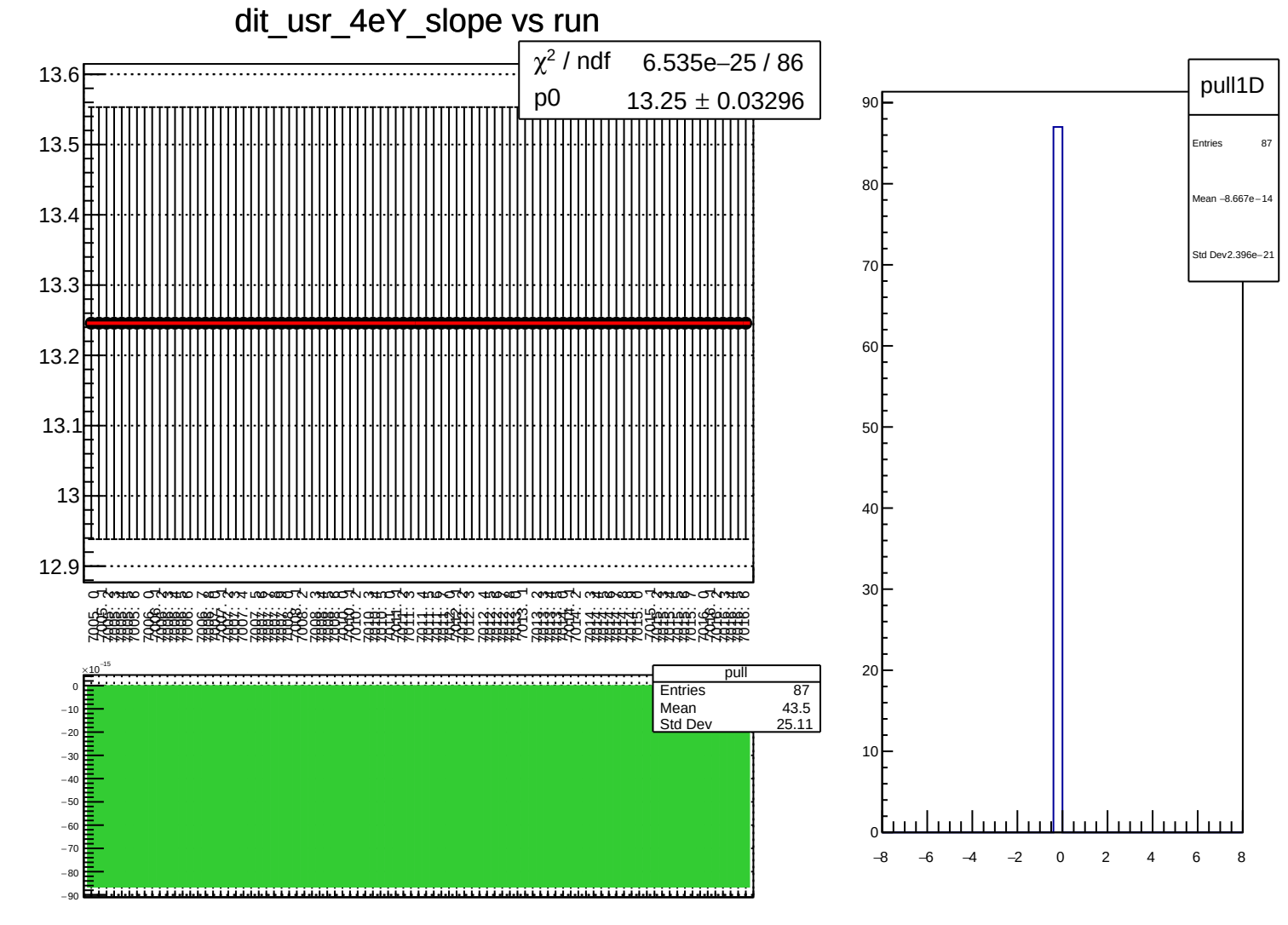

dit_usl_4eY_slope vs run
χ² / ndf 2.007e−24 / 86
p0 22.52 ± 0.03511
22.9
22.8
22.7
22.6
22.5
22.4
22.3
22.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.519e−13
Std Dev1.002e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

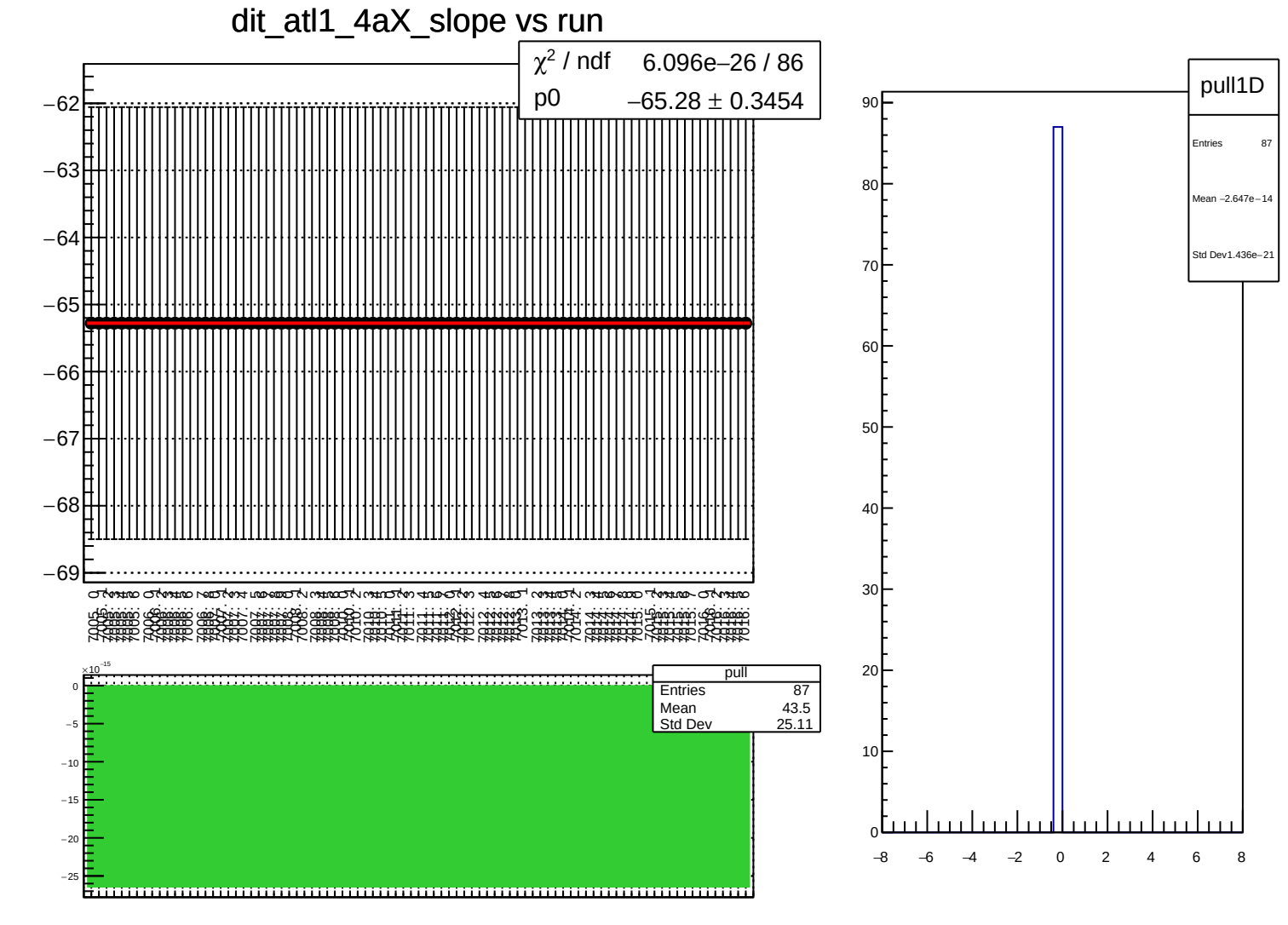

dit_usr_4aX_slope vs run
χ² / ndf 1.814e−24 / 86
p0 −146.8 ± 0.2532
−144
−145
−146
−147
−148
−149
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 87
Mean −1.444e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

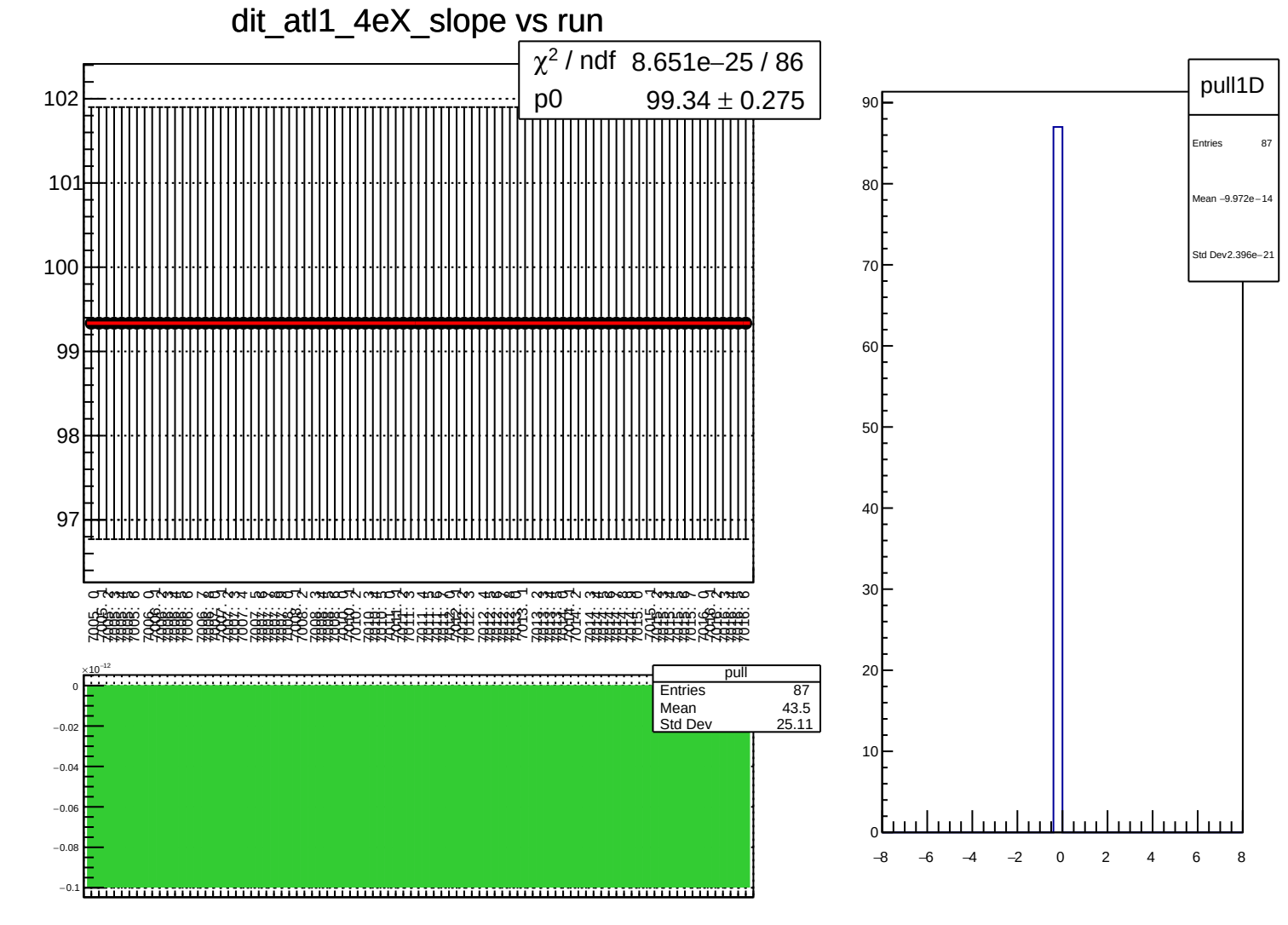

dit_usr_4eX_slope vs run
χ² / ndf 3.223e−24 / 86
p0 196.7 ± 0.2058
199
198.5
198
197.5
197
196.5
196
195.5
195
194.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.925e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2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

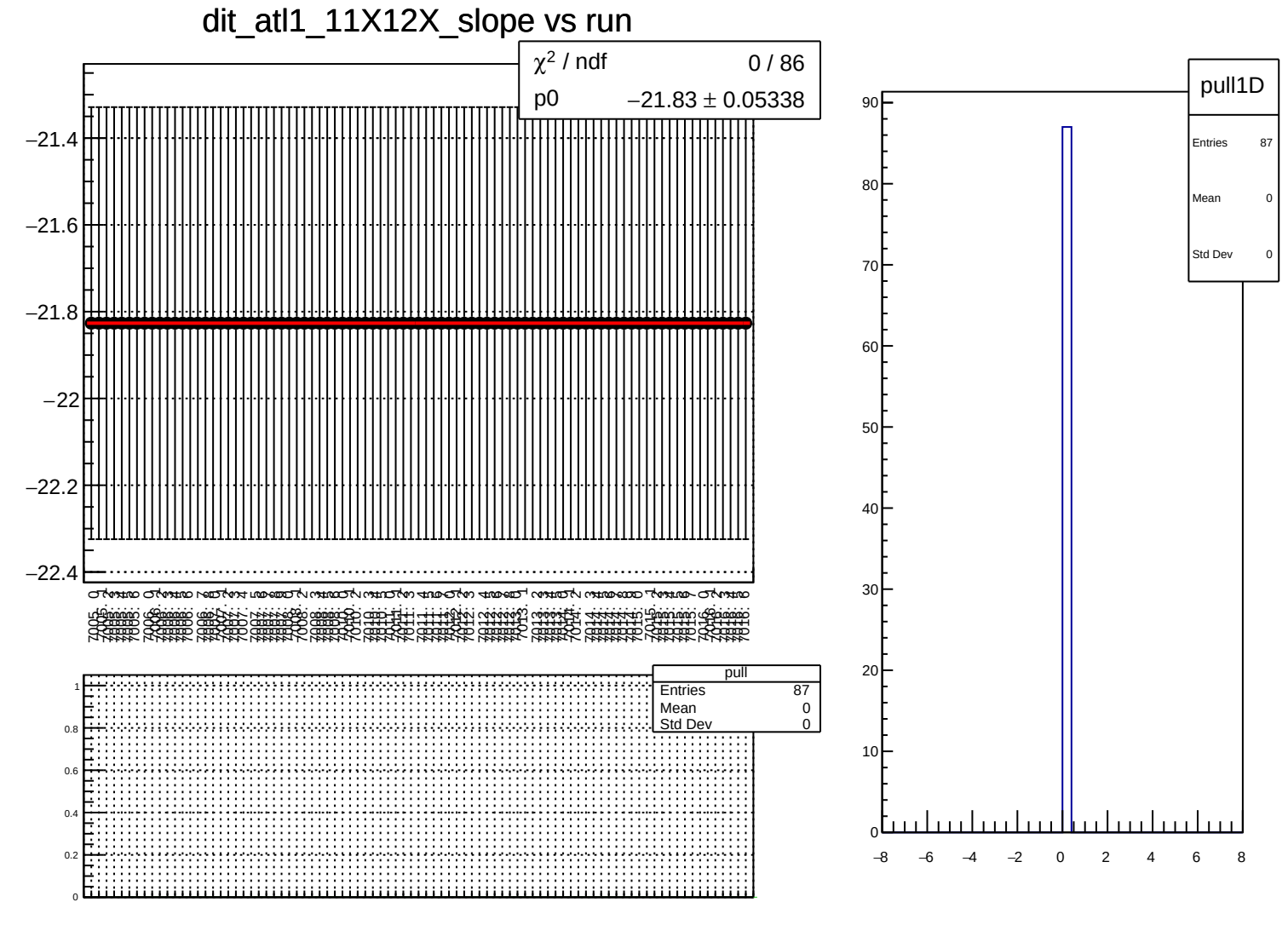

dit_usr_11X12X_slope vs run
χ² / ndf 3.713e−24 / 86
p0 −37.48 ± 0.01844
−37.3
−37.35
−37.4
−37.45
−37.5
−37.55
−37.6
−37.65
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 87
Mean −2.066e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

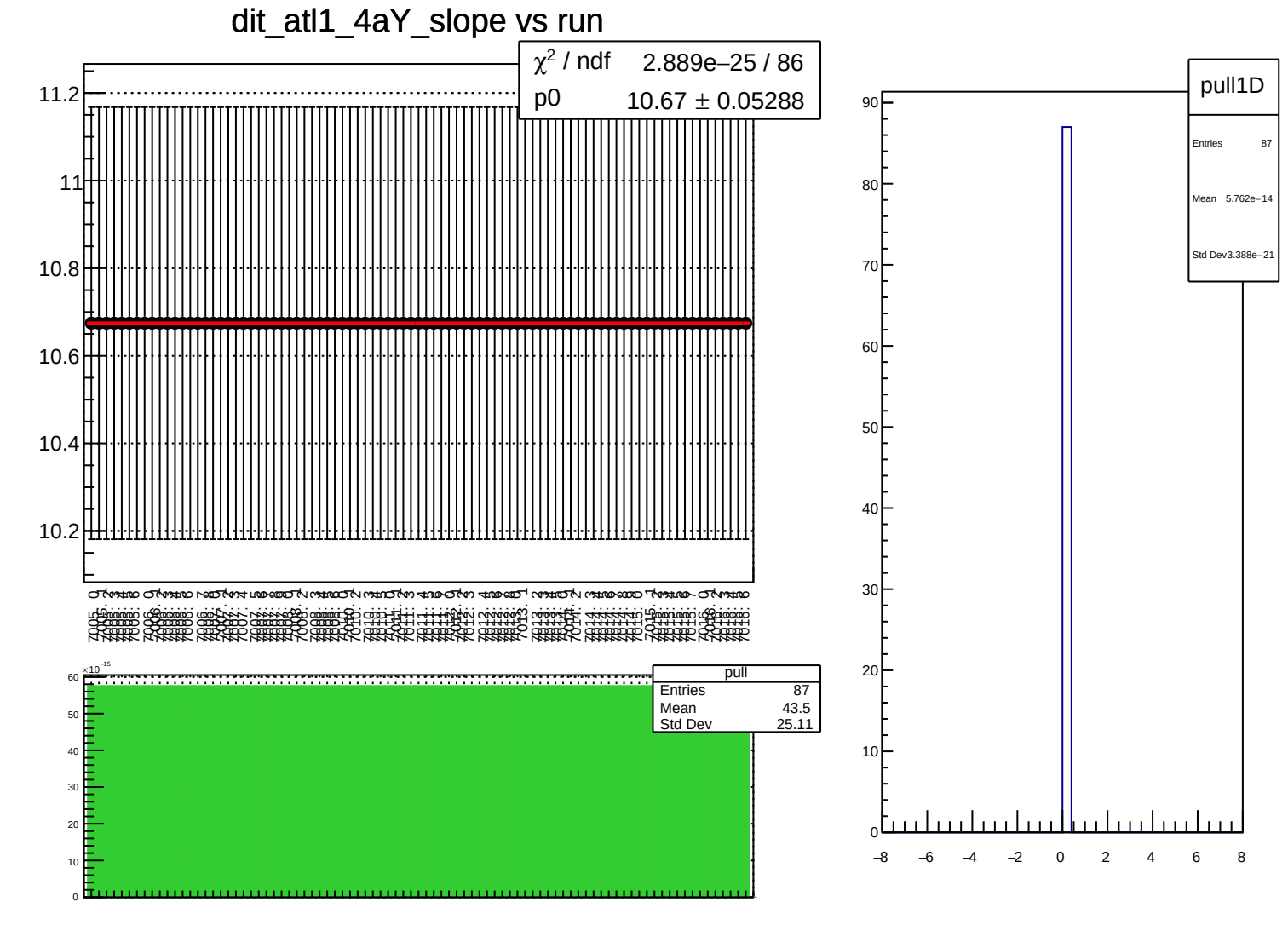

dit_usr_4aY_slope vs run
χ² / ndf 1.573e−26 / 86
p0 1.03 ± 0.01771
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.344e−14
Std Dev 6.353e−22

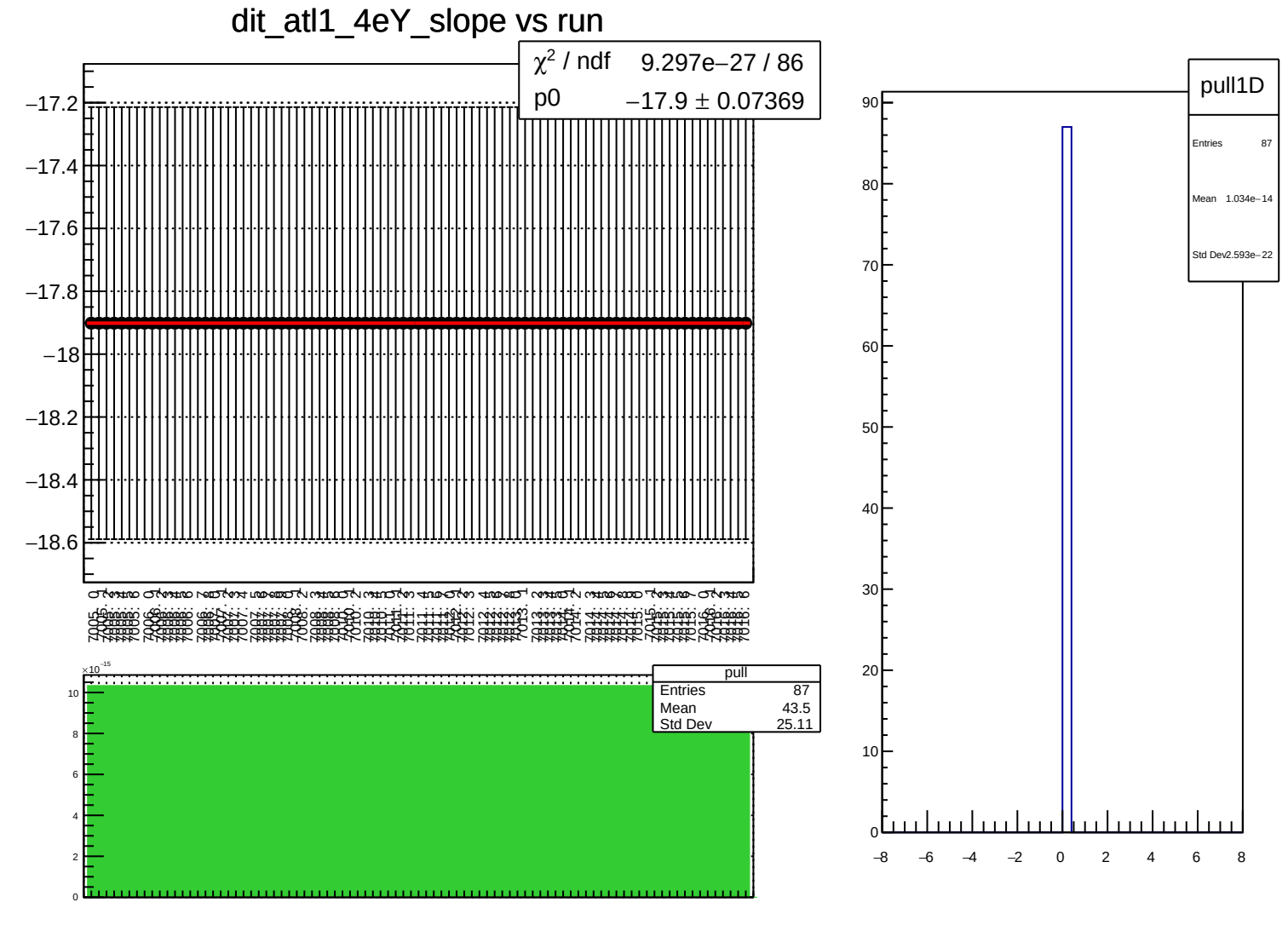

dit_usr_4eY_slope vs run
χ² / ndf 6.535e−25 / 86
p0 13.25 ± 0.03296
13.6
13.5
13.4
13.3
13.2
13.1
13
12.9
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 87
Mean −8.667e−14
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

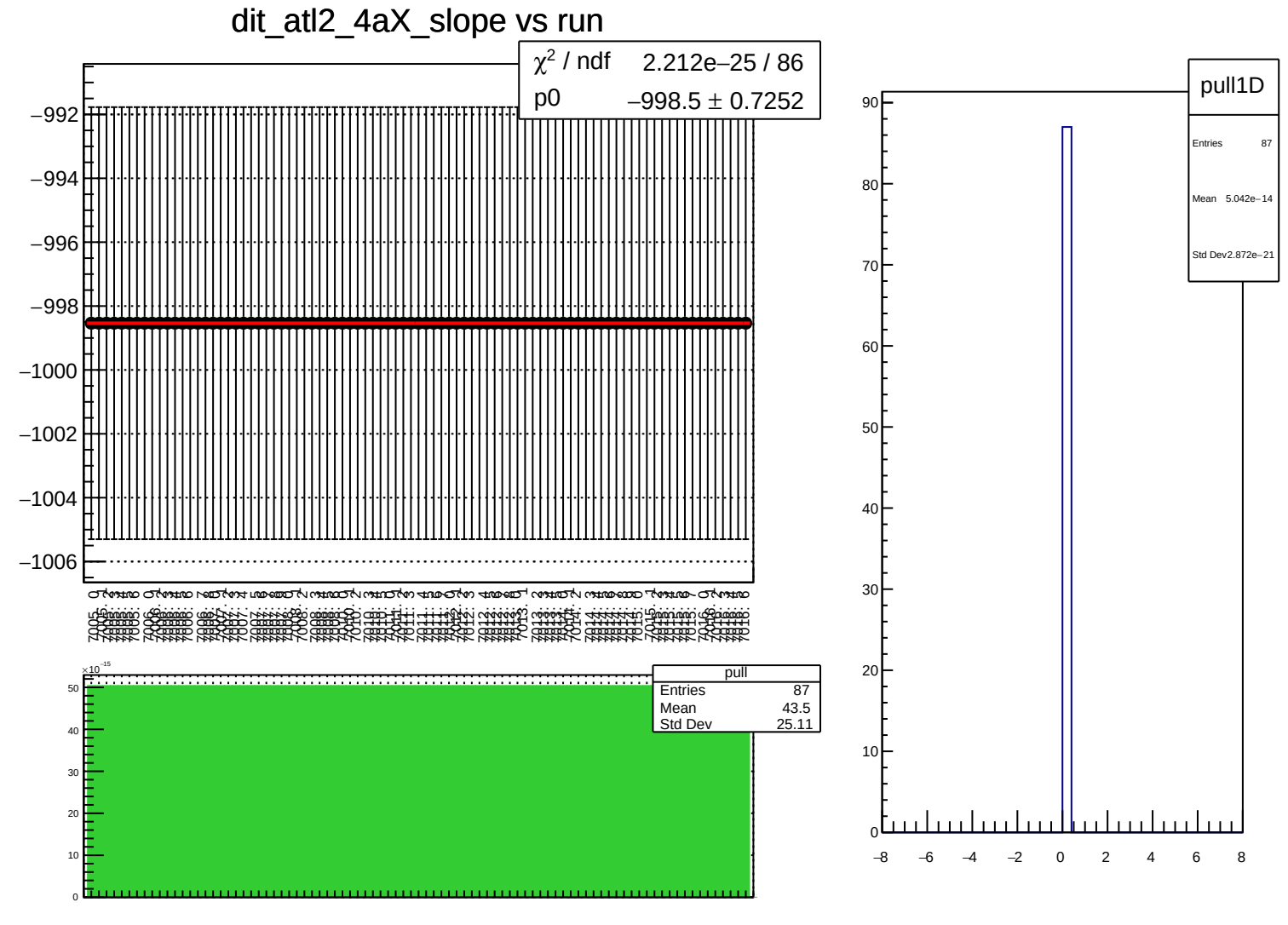

dit_atl1_4aX_slope vs run
χ² / ndf 6.096e−26 / 86
p0 −65.28 ± 0.3454
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −2.647e−14
Std Dev1.436e−21

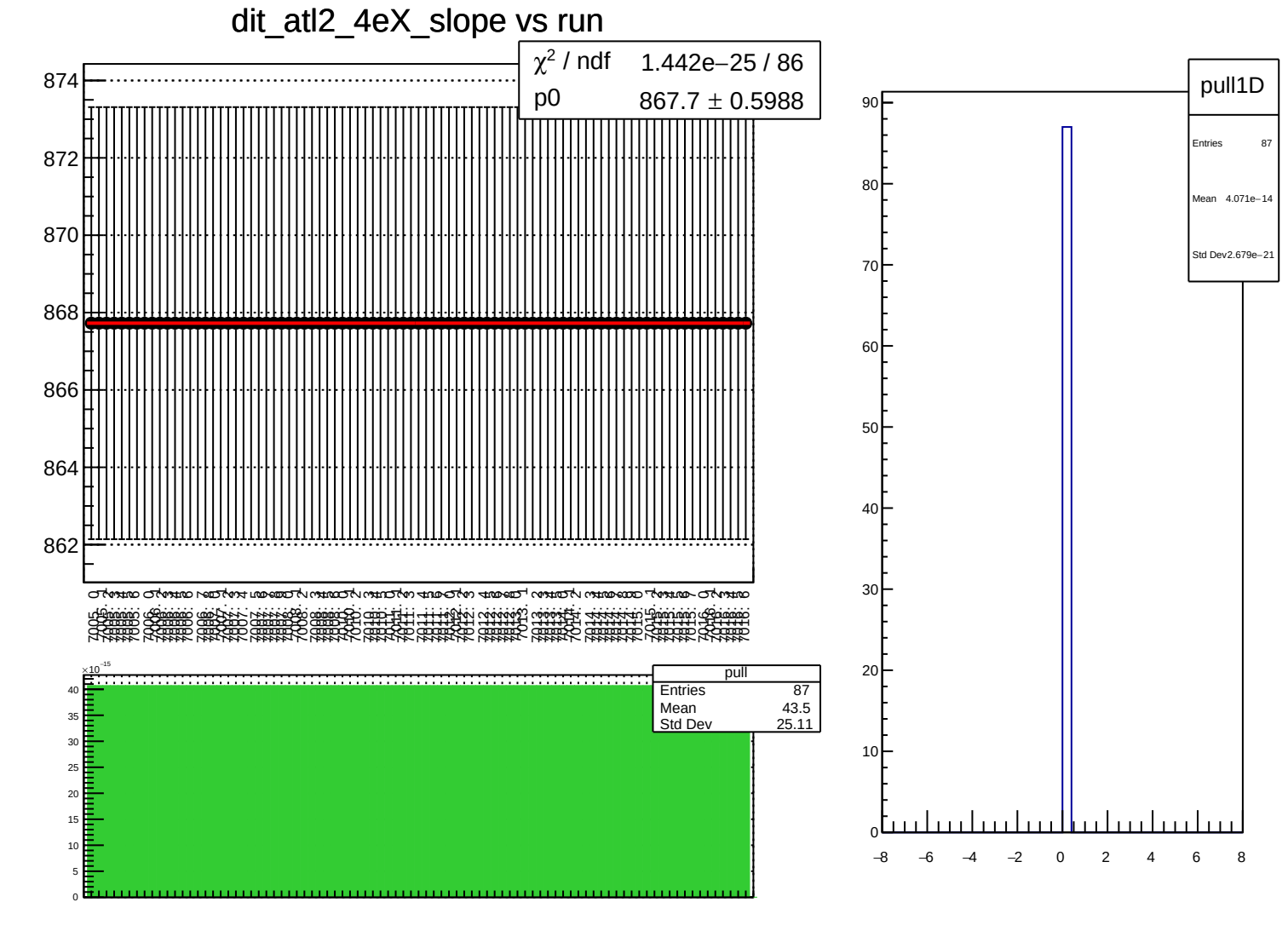

dit_atl1_4eX_slope vs run
χ² / ndf 8.651e−25 / 86
p0 99.34 ± 0.275
102
101
100
99
98
97
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −9.972e−14
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

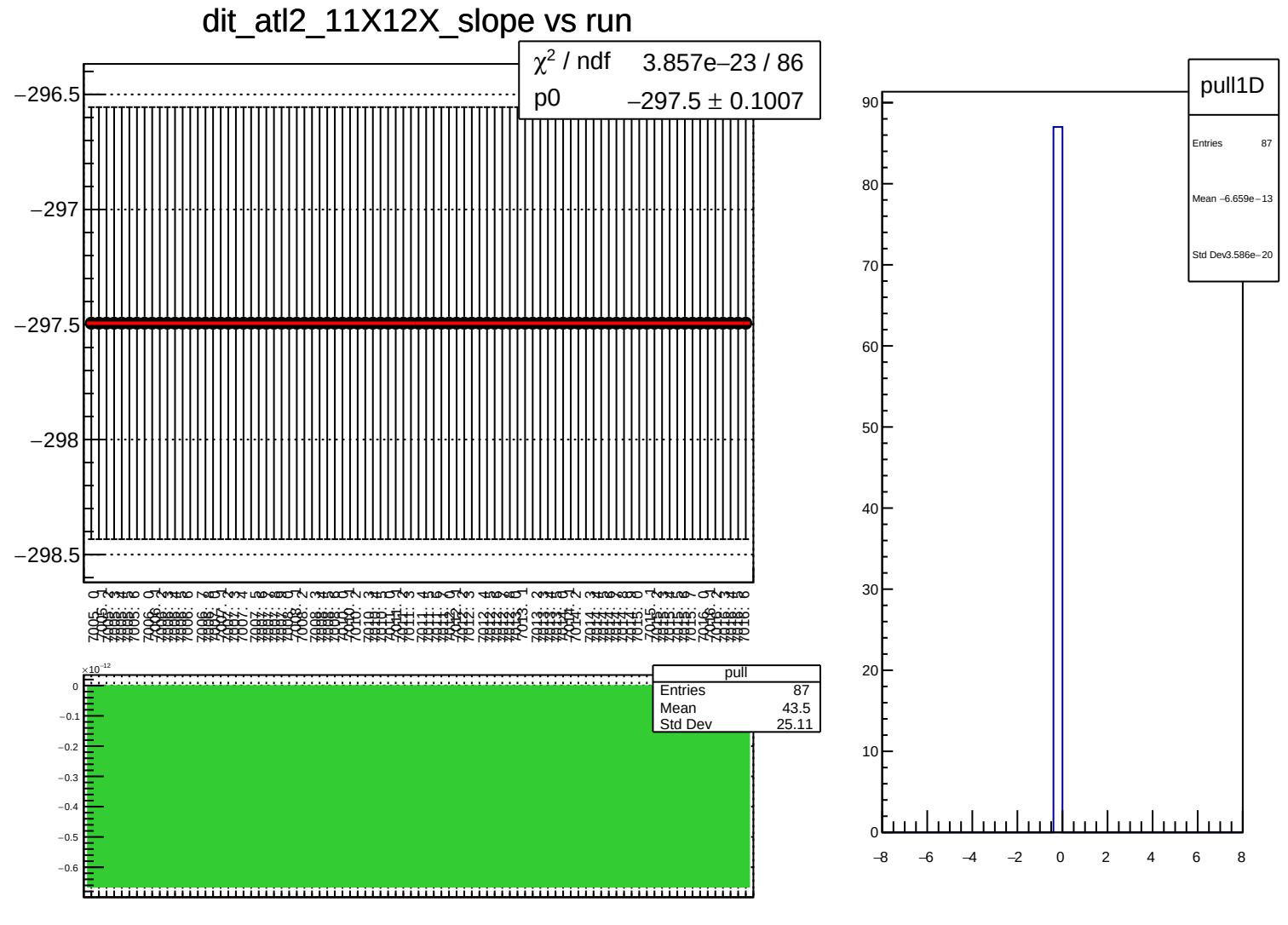

dit_atl1_11X12X_slope vs run
χ² / ndf 0 / 86
p0 −21.83 ± 0.05338
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

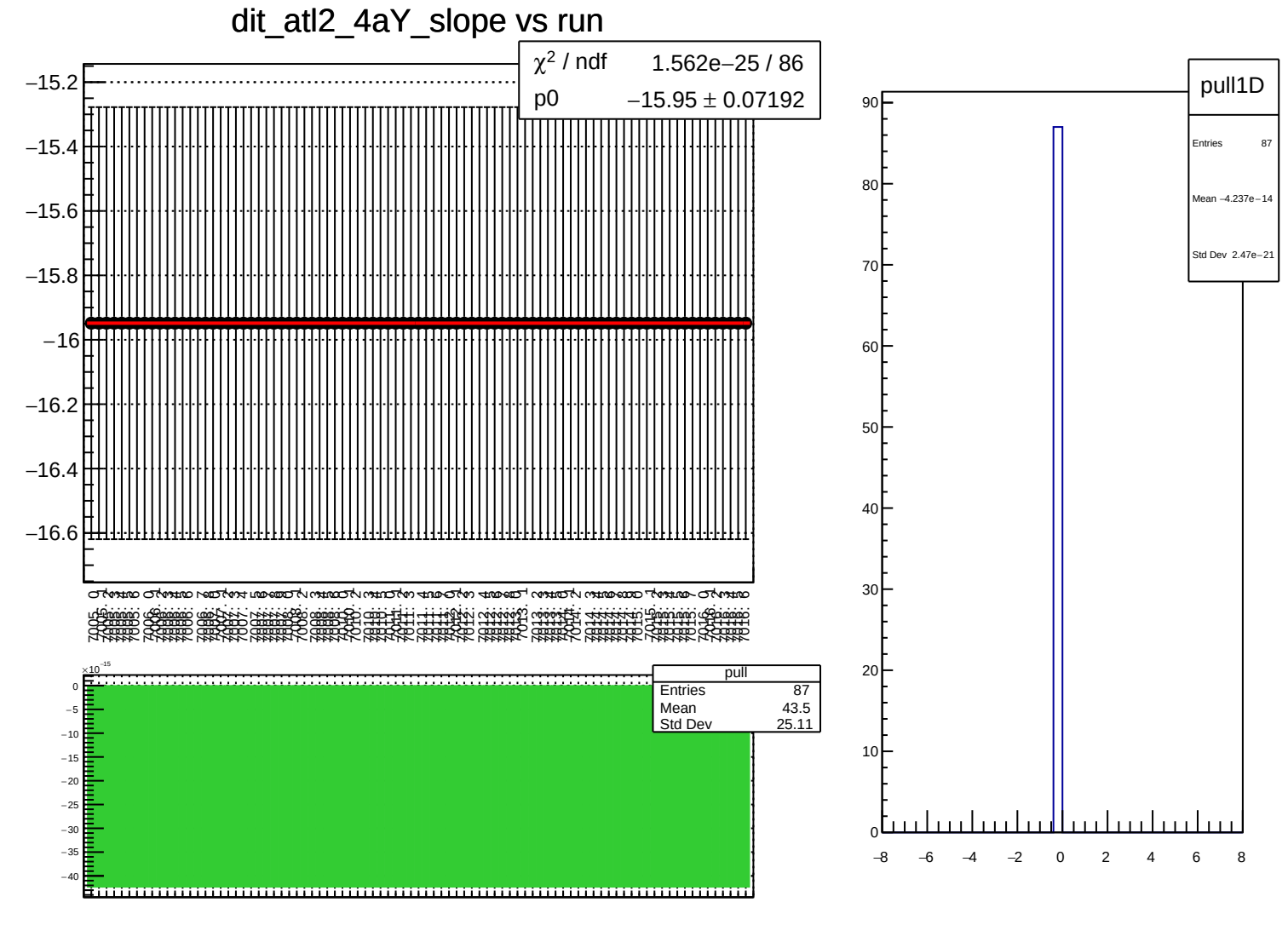

dit_atl1_4aY_slope vs run
χ² / ndf 2.889e−25 / 86
p0 10.67 ± 0.05288
11.2
11
10.8
10.6
10.4
10.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.762e−14
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

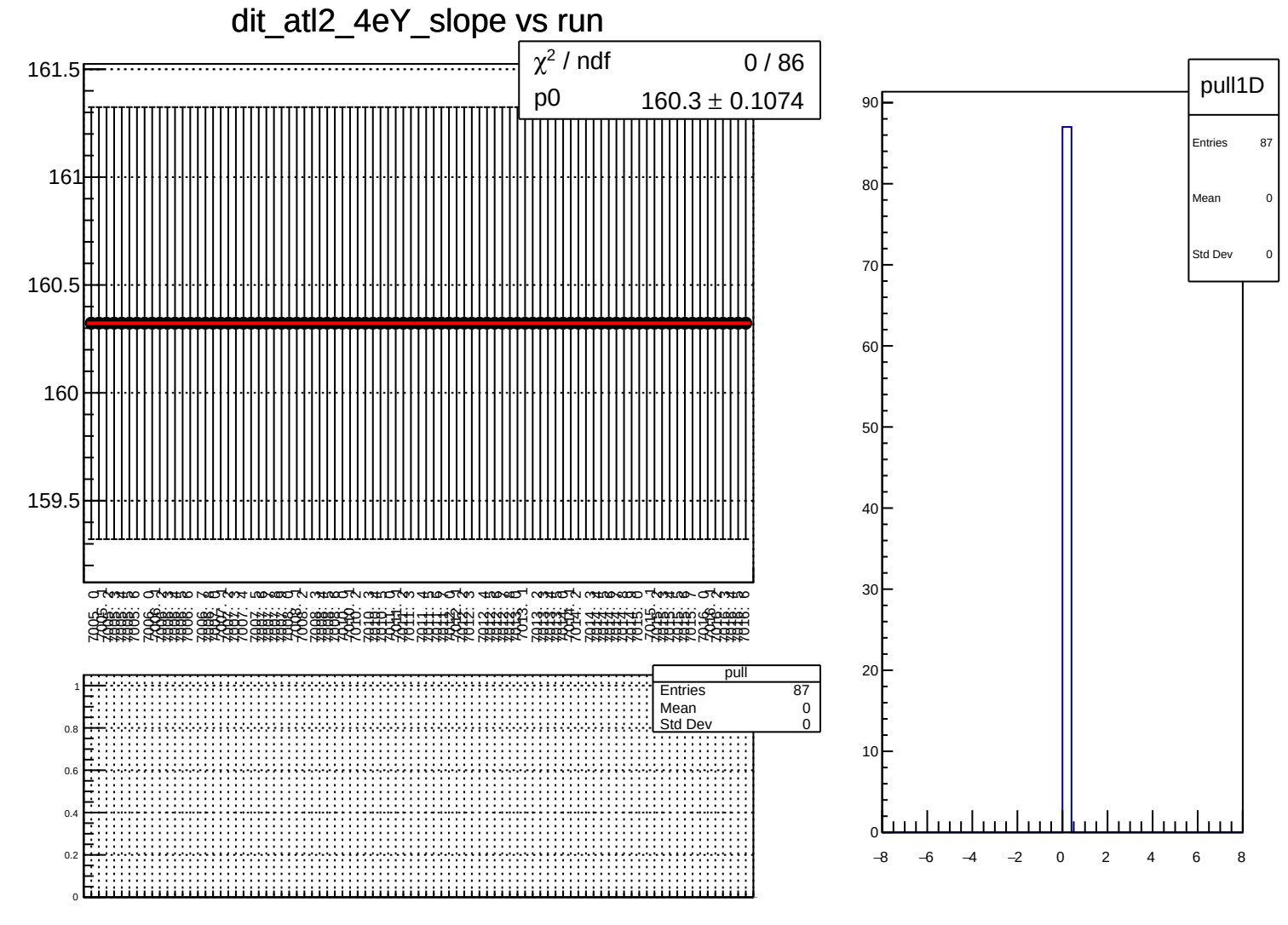

dit_atl1_4eY_slope vs run
χ² / ndf 9.297e−27 / 86
p0 −17.9 ± 0.07369
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
−18.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.034e−14
Std Dev 2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

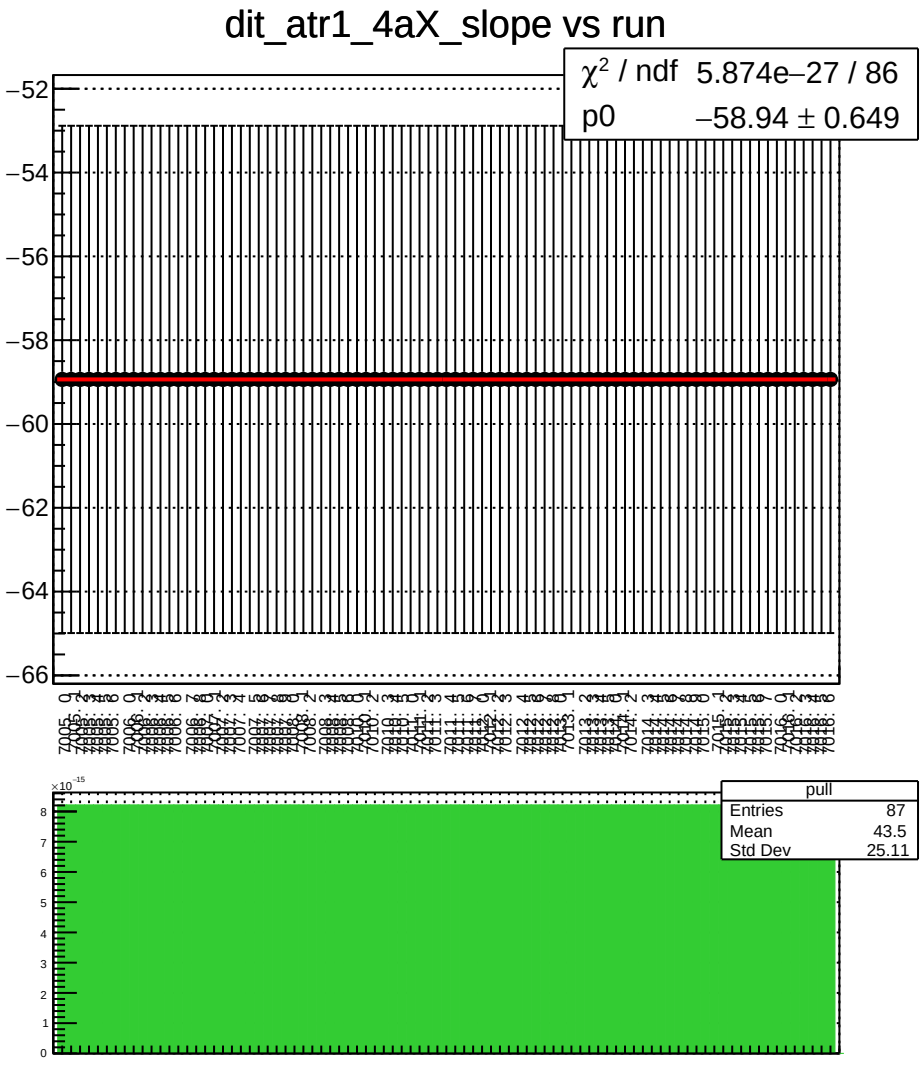

dit_atl2_4aX_slope vs run
χ² / ndf 2.212e−25 / 86
p0 −998.5 ± 0.7252
−992
−994
−996
−998
−1000
−1002
−1004
−1006
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.042e−14
Std Dev2.872e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

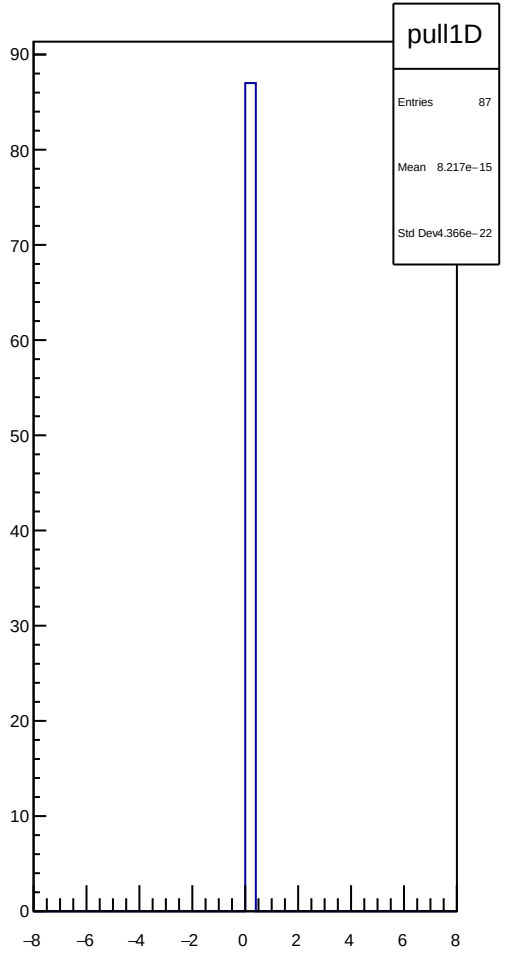

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.442e−25 / 86
p0 867.7 ± 0.5988
874
872
870
868
866
864
862
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 87
Mean 4.071e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

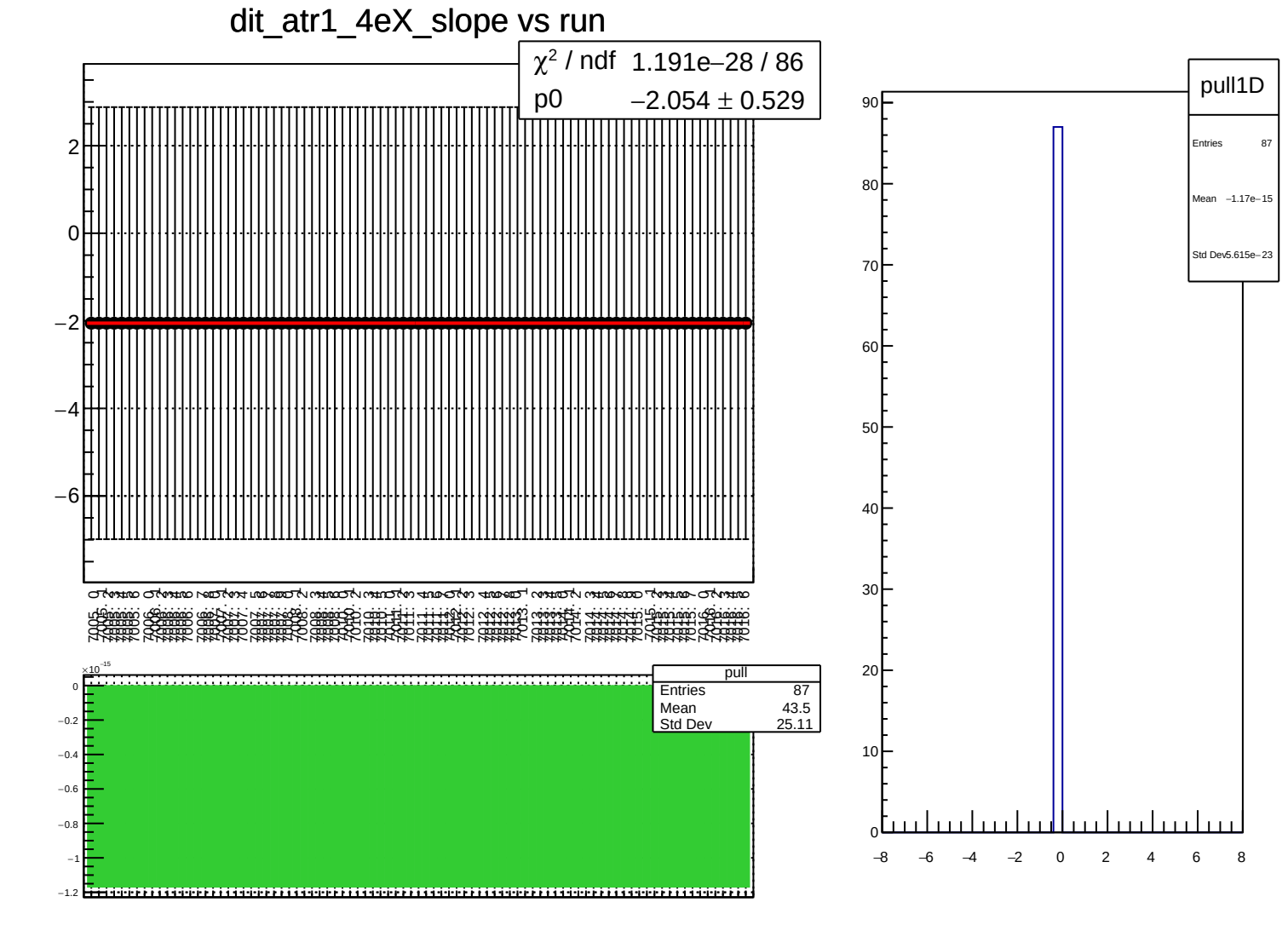

dit_atl2_11X12X_slope vs run
χ² / ndf 3.857e−23 / 86
p0 −297.5 ± 0.1007
−296.5
−297
−297.5
−298
−298.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 87
Mean −6.659e−13
Std Dev 3.586e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

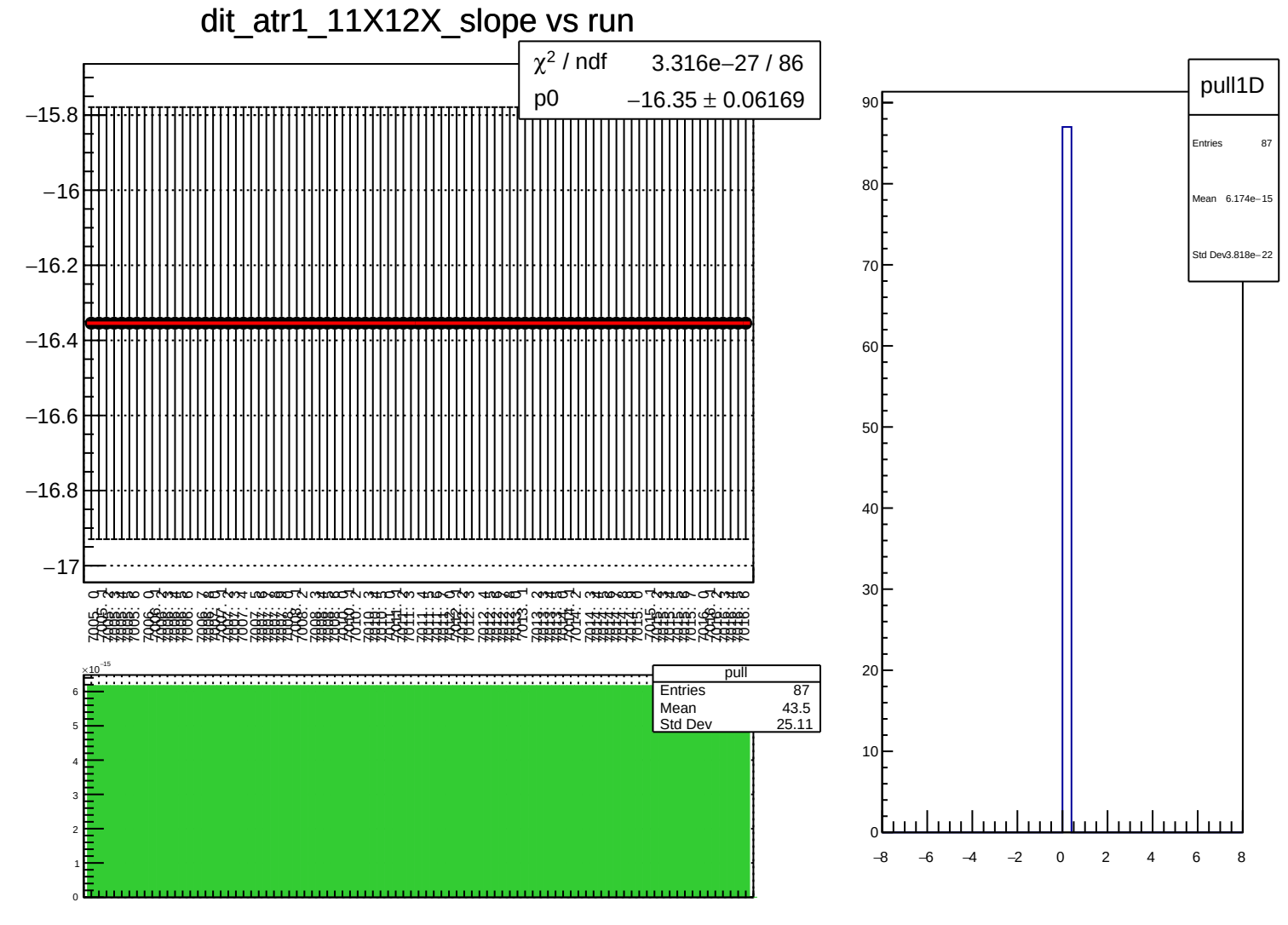

dit_atl2_4aY_slope vs run
χ² / ndf 1.562e−25 / 86
p0 −15.95 ± 0.07192
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 87
Mean −4.237e−14
Std Dev 2.47e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

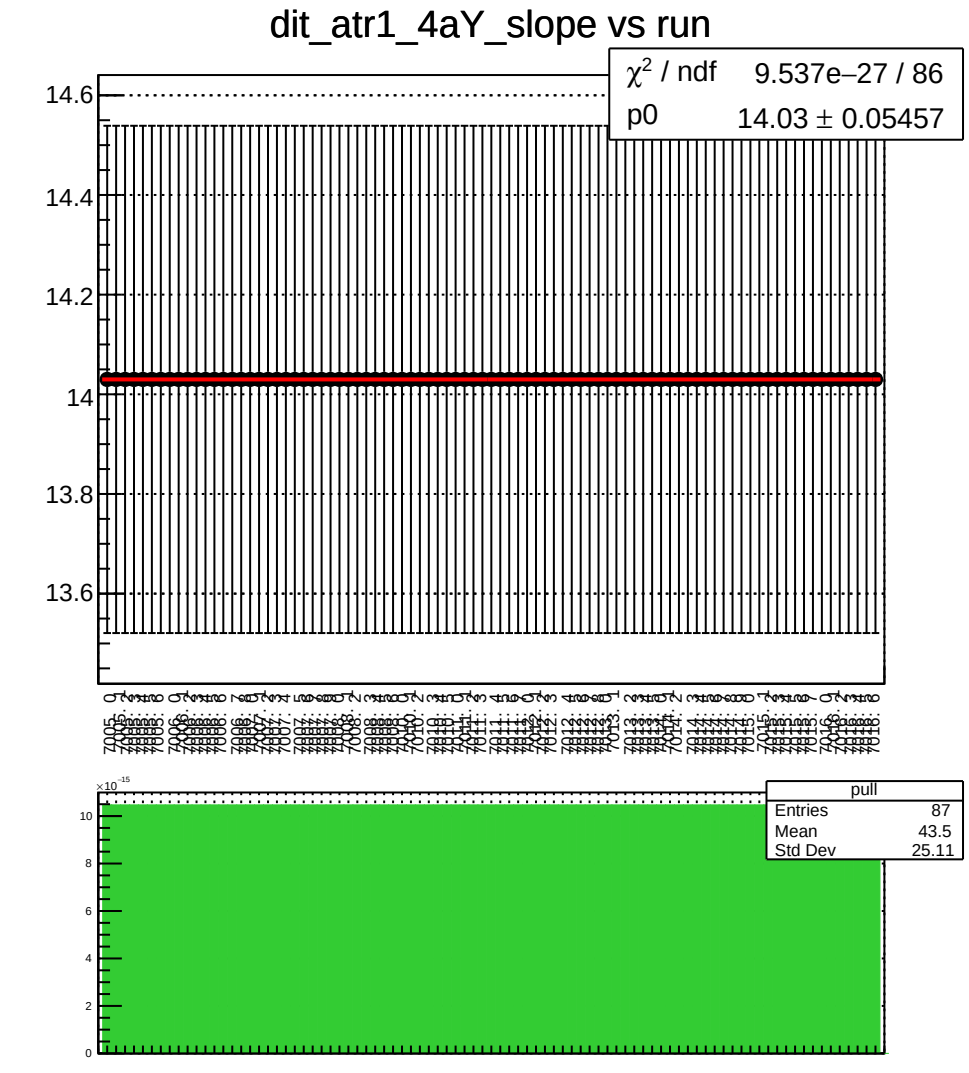

dit_atl2_4eY_slope vs run
χ² / ndf 0 / 86
p0 160.3 ± 0.1074
161.5
161
160.5
160
159.5
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

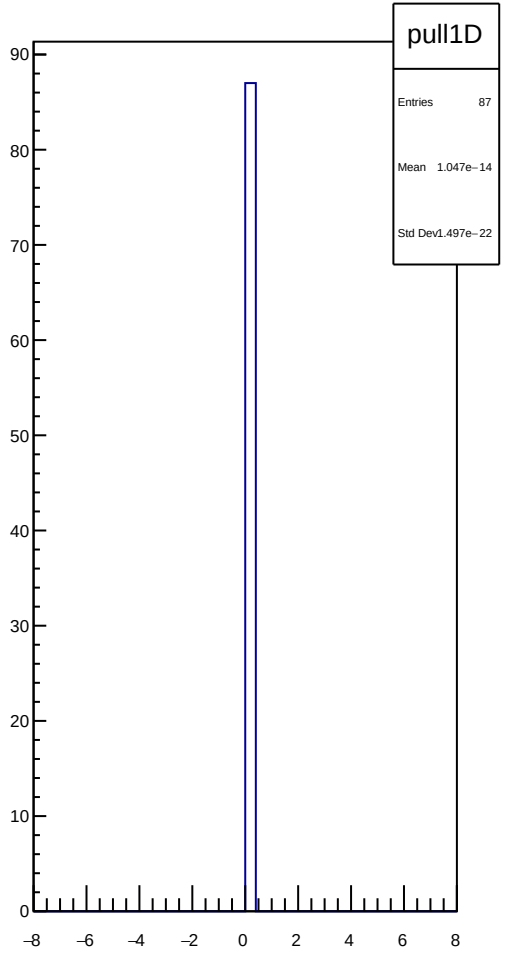

dit_atr1_4aX_slope vs run
χ² / ndf 5.874e−27 / 86
p0 −58.94 ± 0.649
−52
−54
−56
−58
−60
−62
−64
−66
×10⁻¹⁵
pull
Entries 87
Mean 43.5
Std Dev 25.11

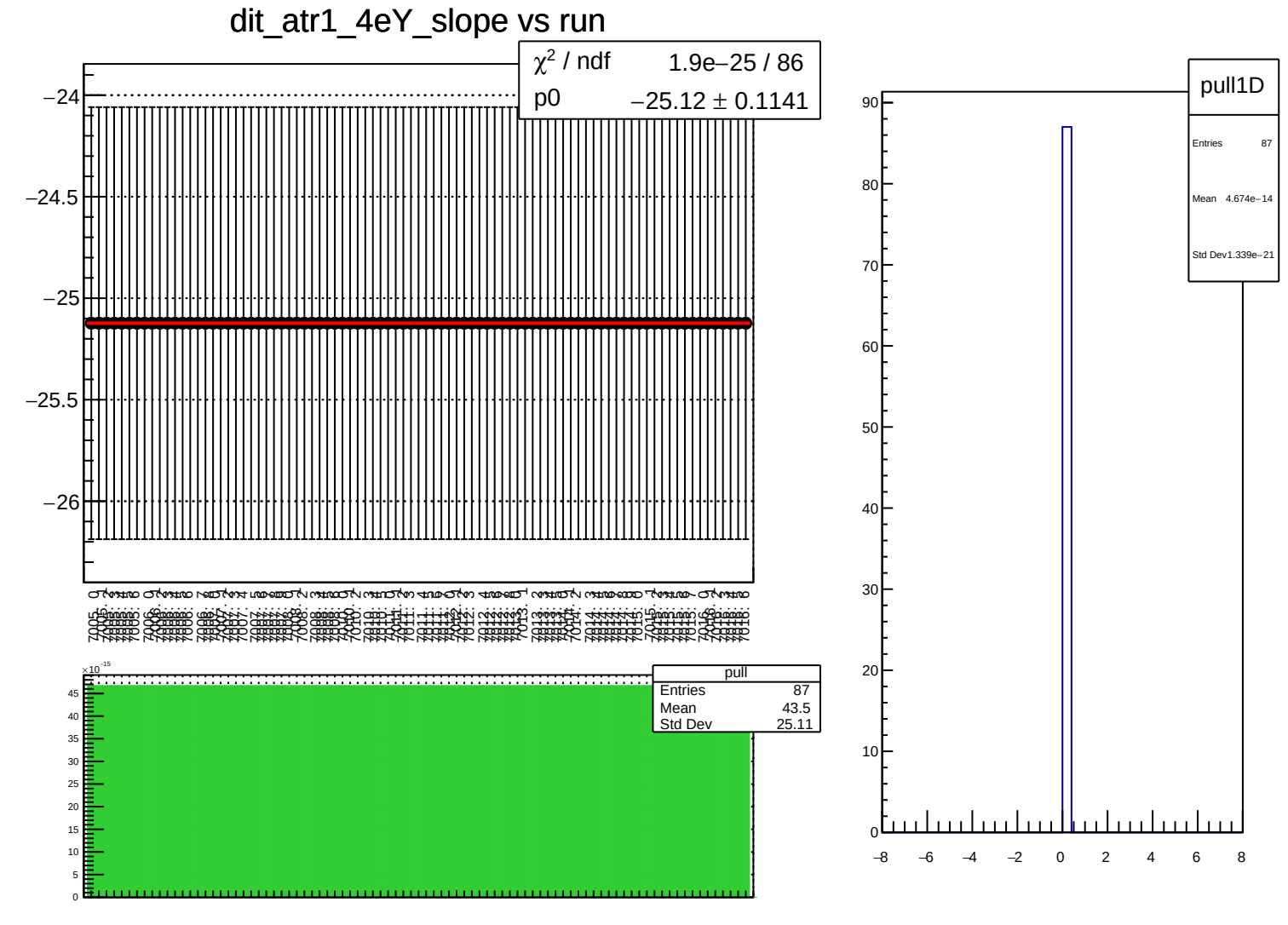

pull1D
Entries 87
Mean 8.217e−15
Std Dev4.366e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

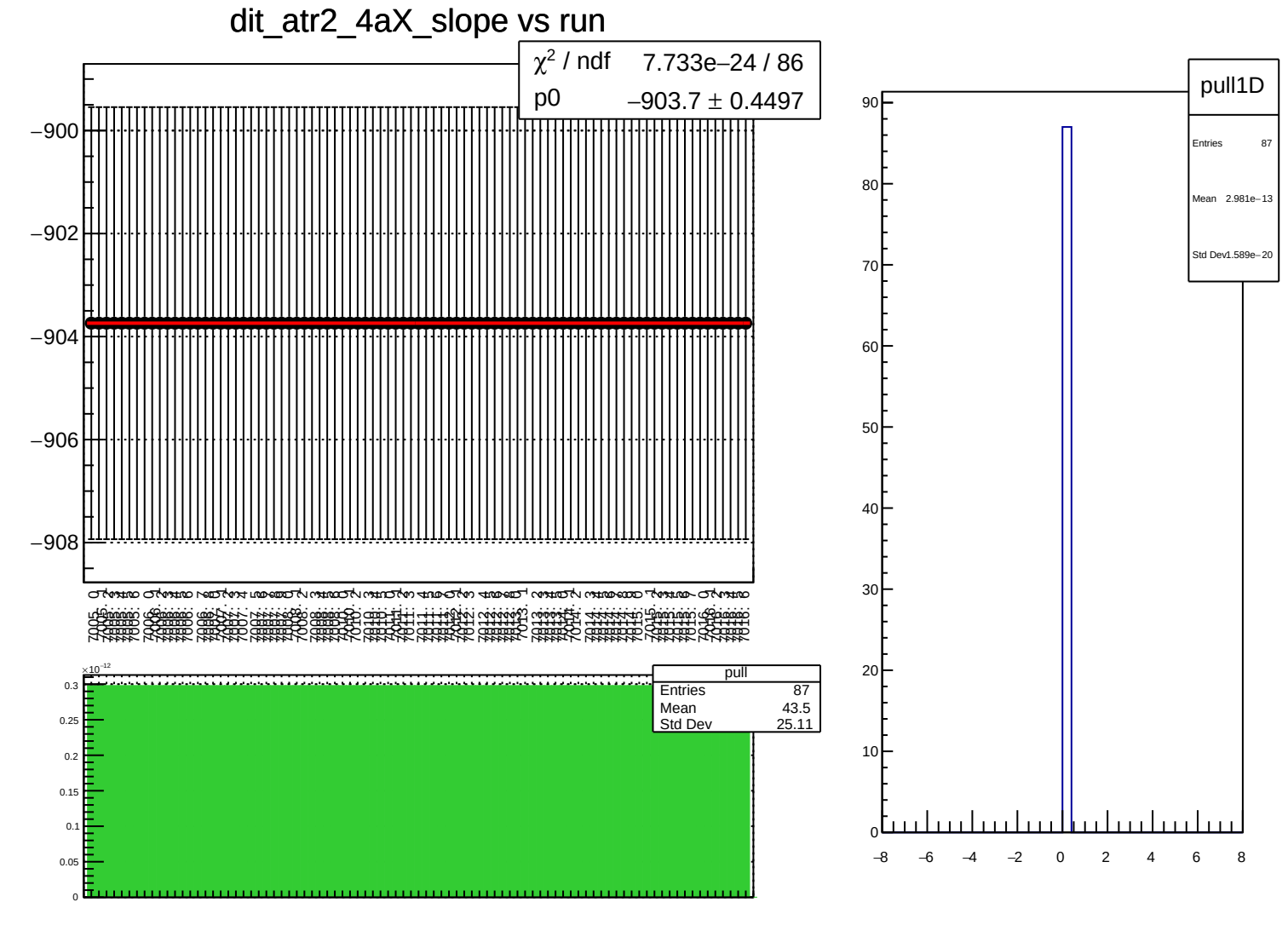

dit_atr1_4eX_slope vs run
χ² / ndf 1.191e−28 / 86
p0 −2.054 ± 0.529
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.17e−15
Std Dev 5.615e−23

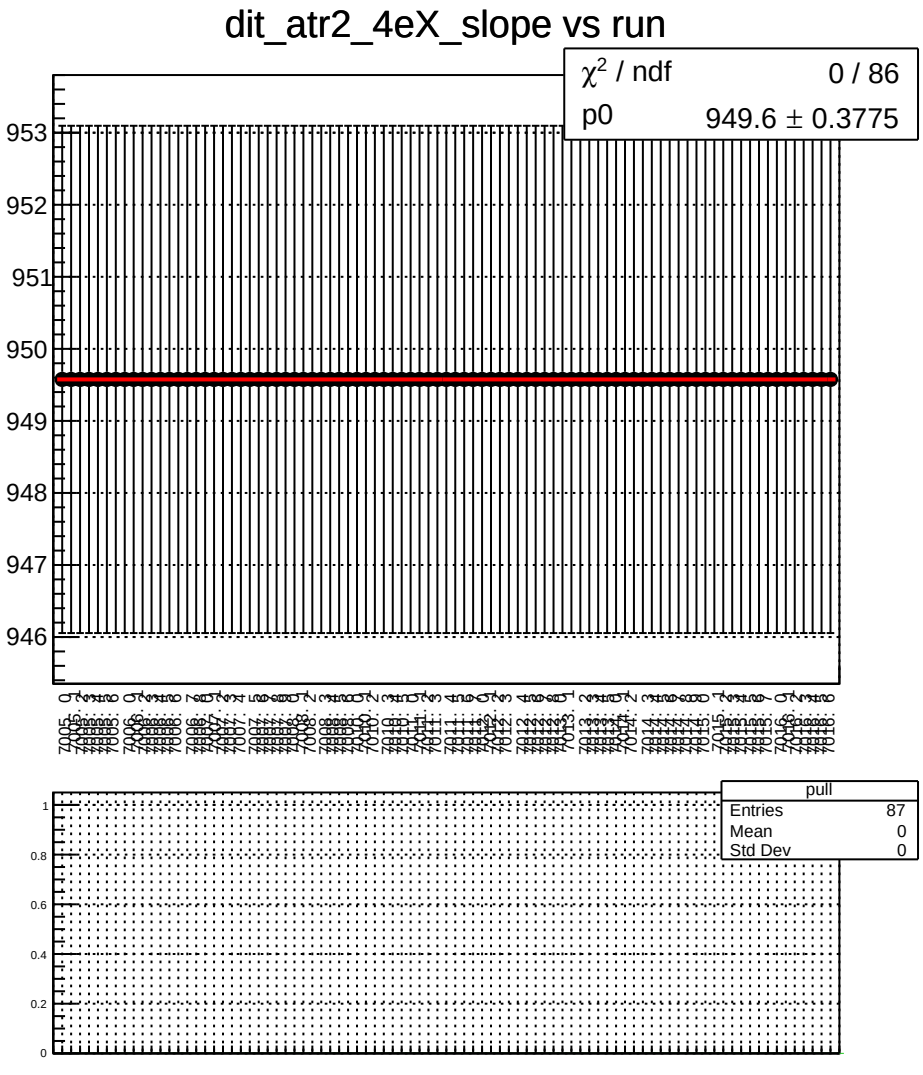

dit_atr1_11X12X_slope vs run
χ² / ndf 3.316e−27 / 86
p0 −16.35 ± 0.06169
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 6.174e−15
Std Dev 3.818e−22

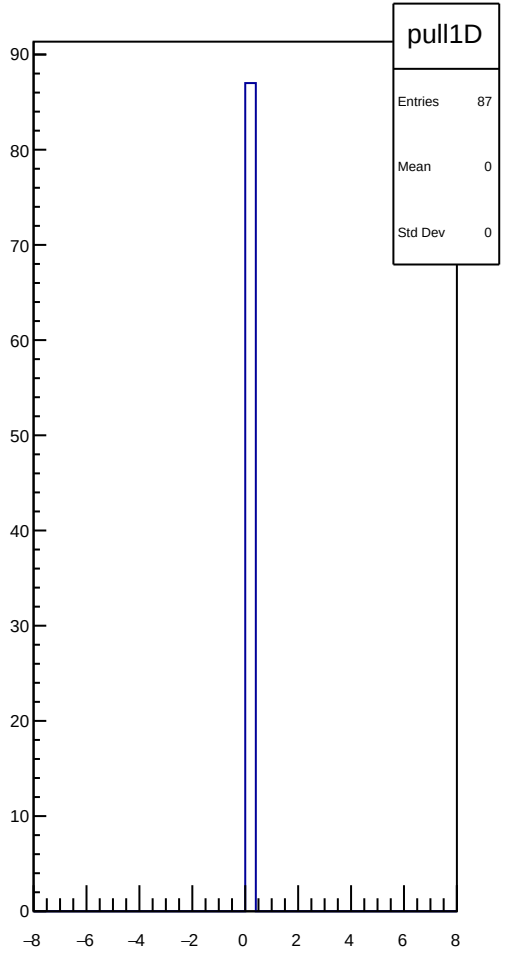

dit_atr1_4aY_slope vs run
χ² / ndf 9.537e−27 / 86
p0 14.03 ± 0.05457
14.6
14.4
14.2
14
13.8
13.6
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 87
Mean 43.5
Std Dev 25.11

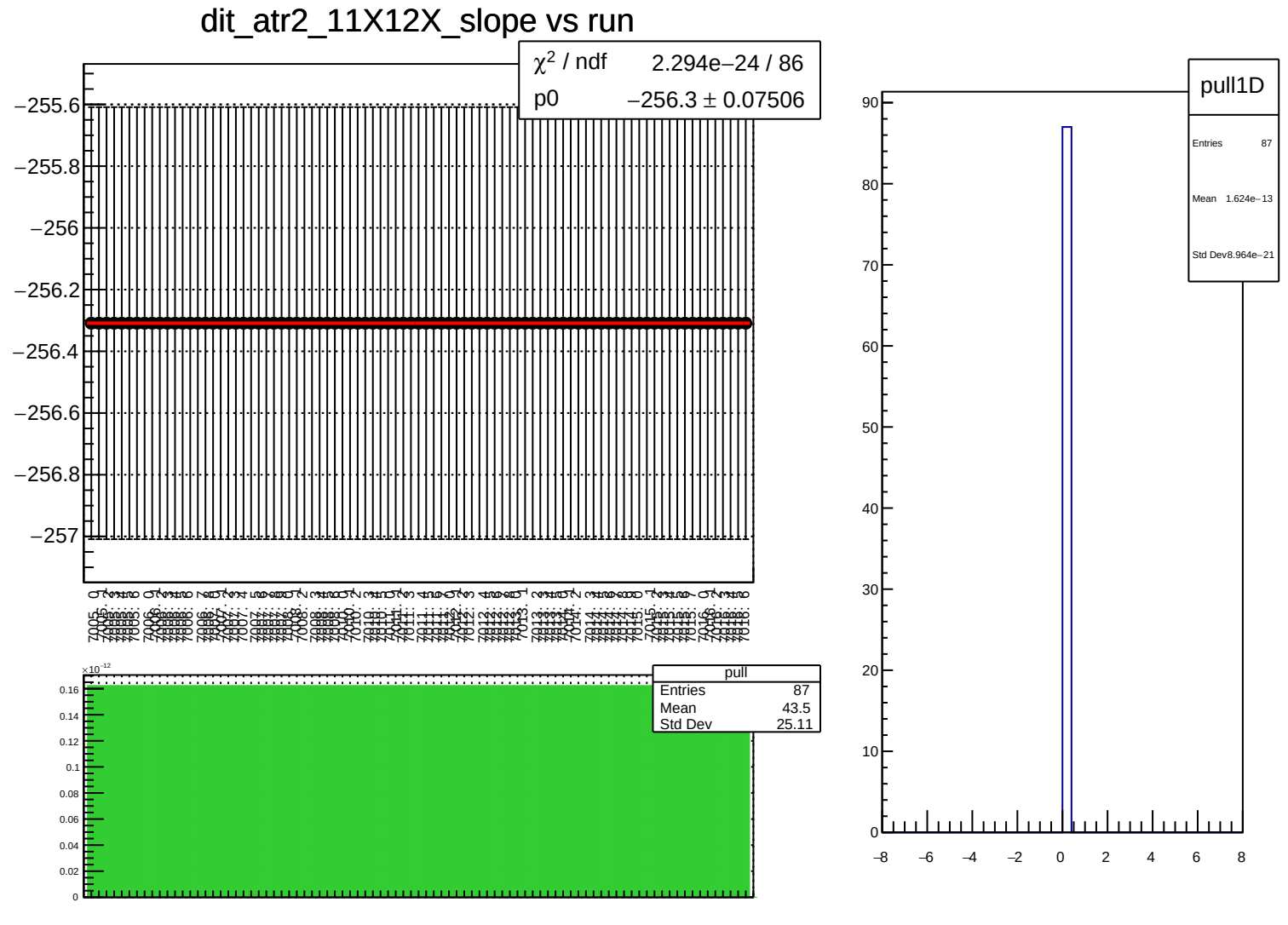

pull1D
Entries 87
Mean 1.047e−14
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

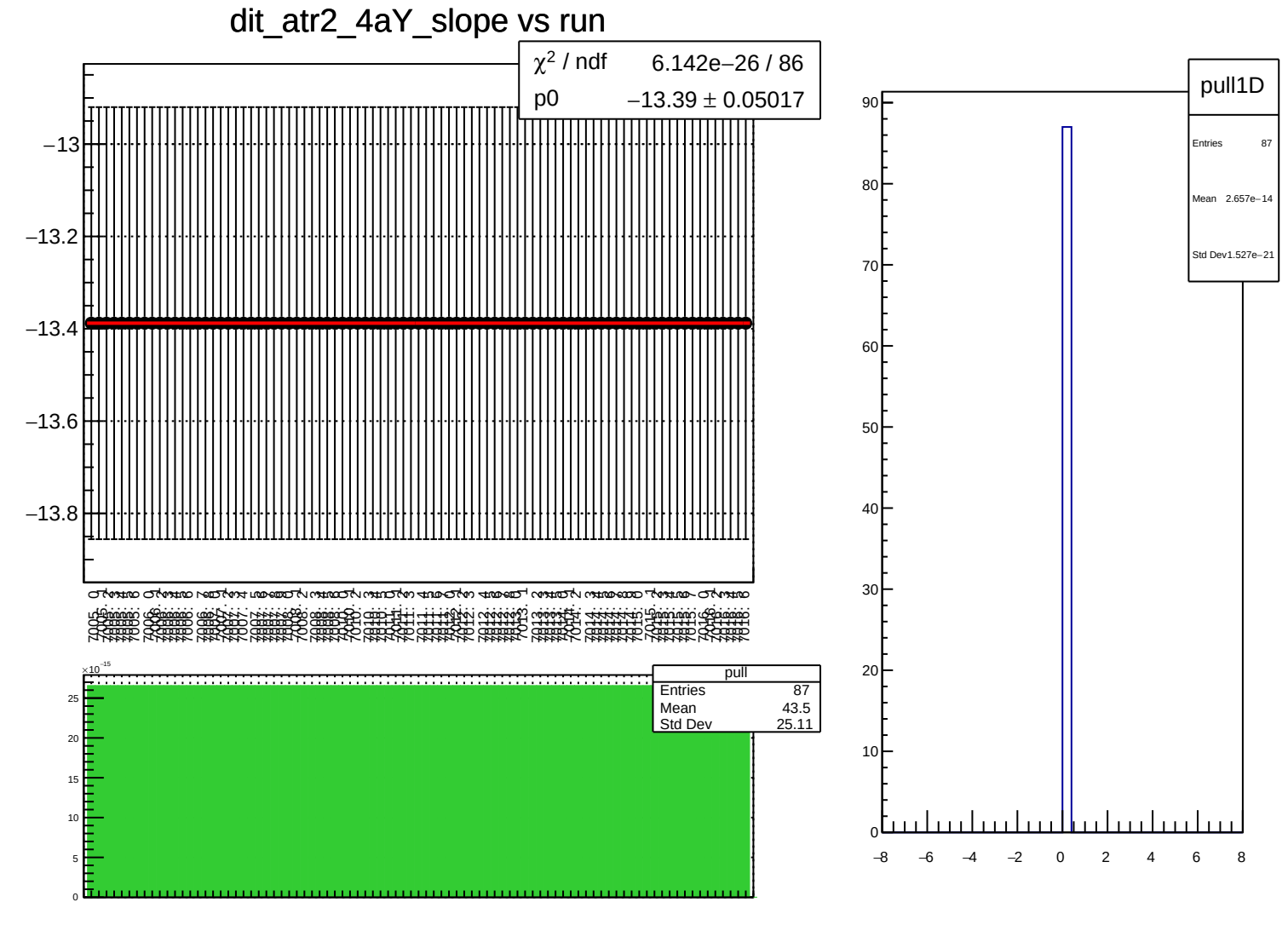

dit_atr1_4eY_slope vs run
χ² / ndf 1.9e−25 / 86
p0 −25.12 ± 0.1141
−24
−24.5
−25
−25.5
−26
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 4.674e−14
Std Dev 1.339e−21

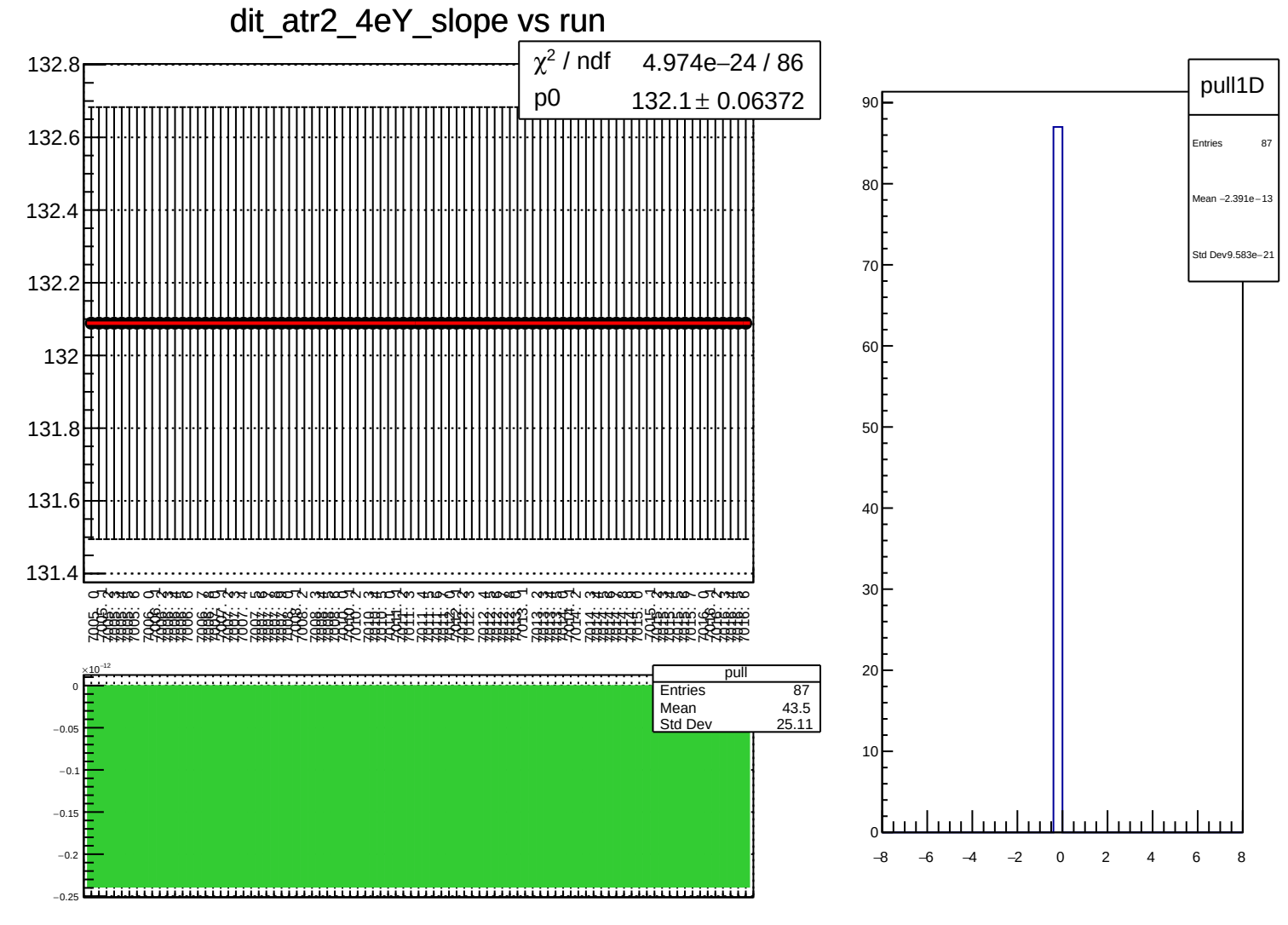

dit_atr2_4aX_slope vs run
χ² / ndf 7.733e−24 / 86
p0 −903.7 ± 0.4497
−900
−902
−904
−906
−908
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 2.981e−13
Std Dev1.589e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

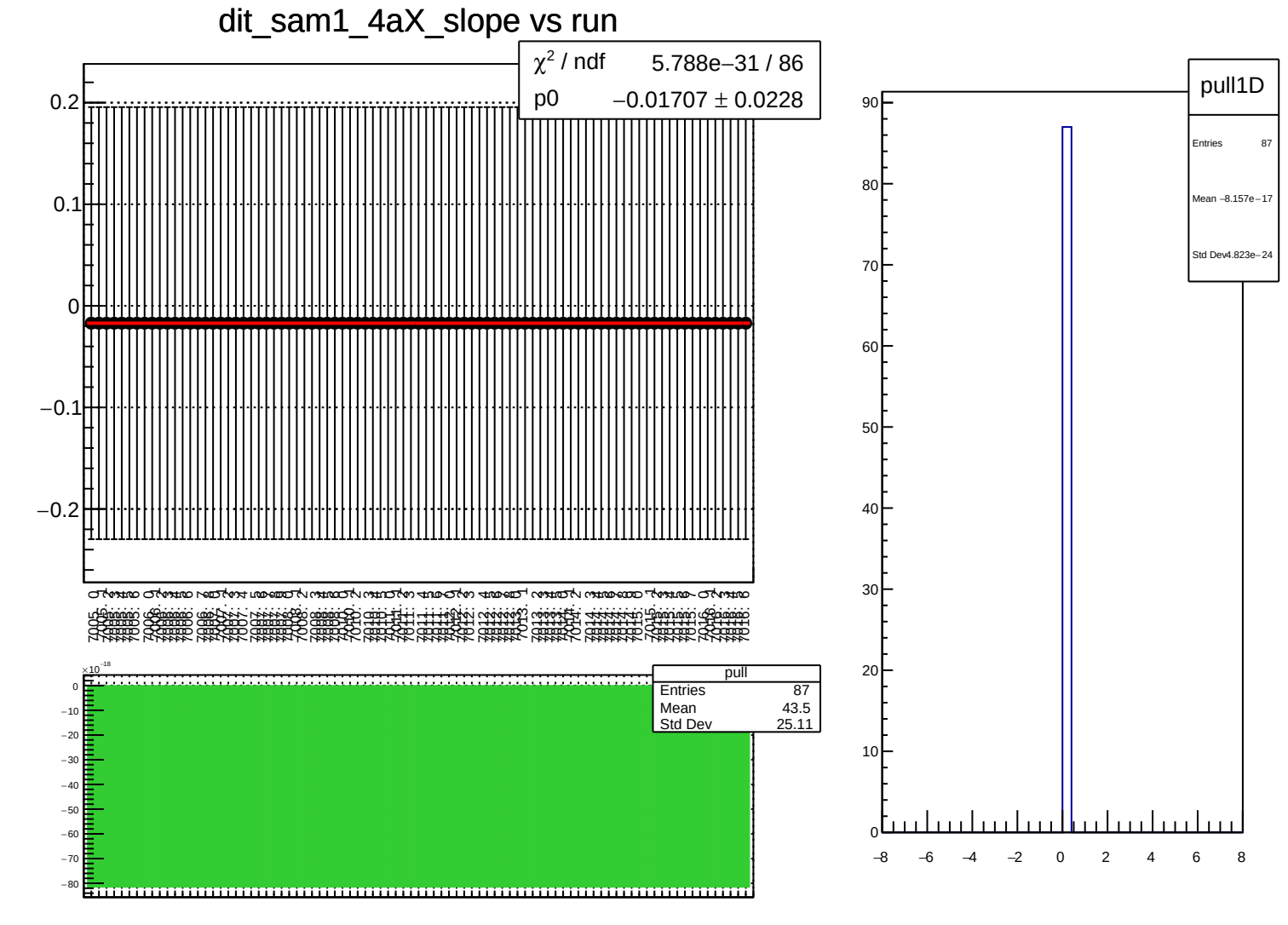

dit_atr2_4eX_slope vs run
χ² / ndf 0 / 86
p0 949.6 ± 0.3775
953
952
951
950
949
948
947
946
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

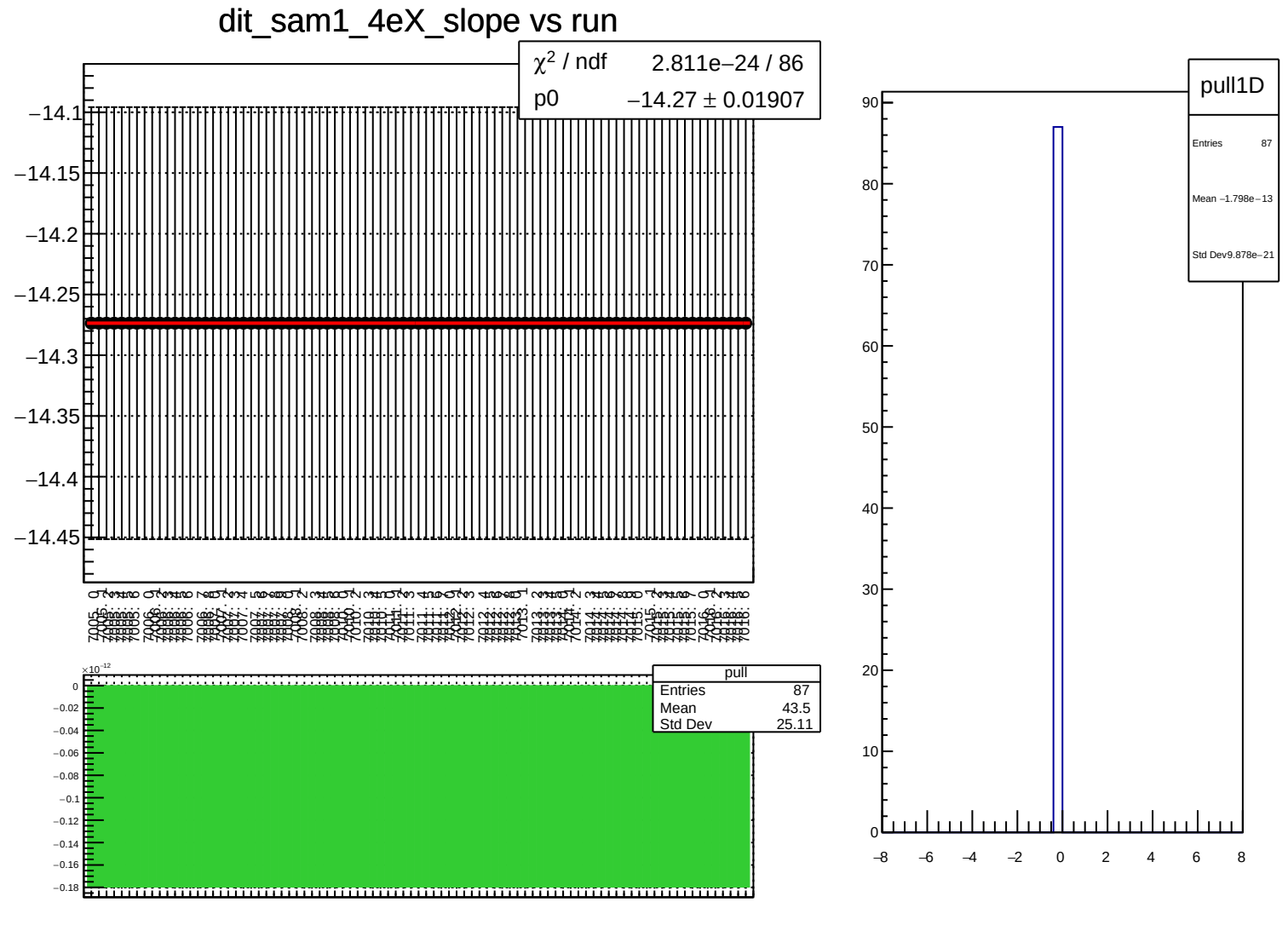

pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

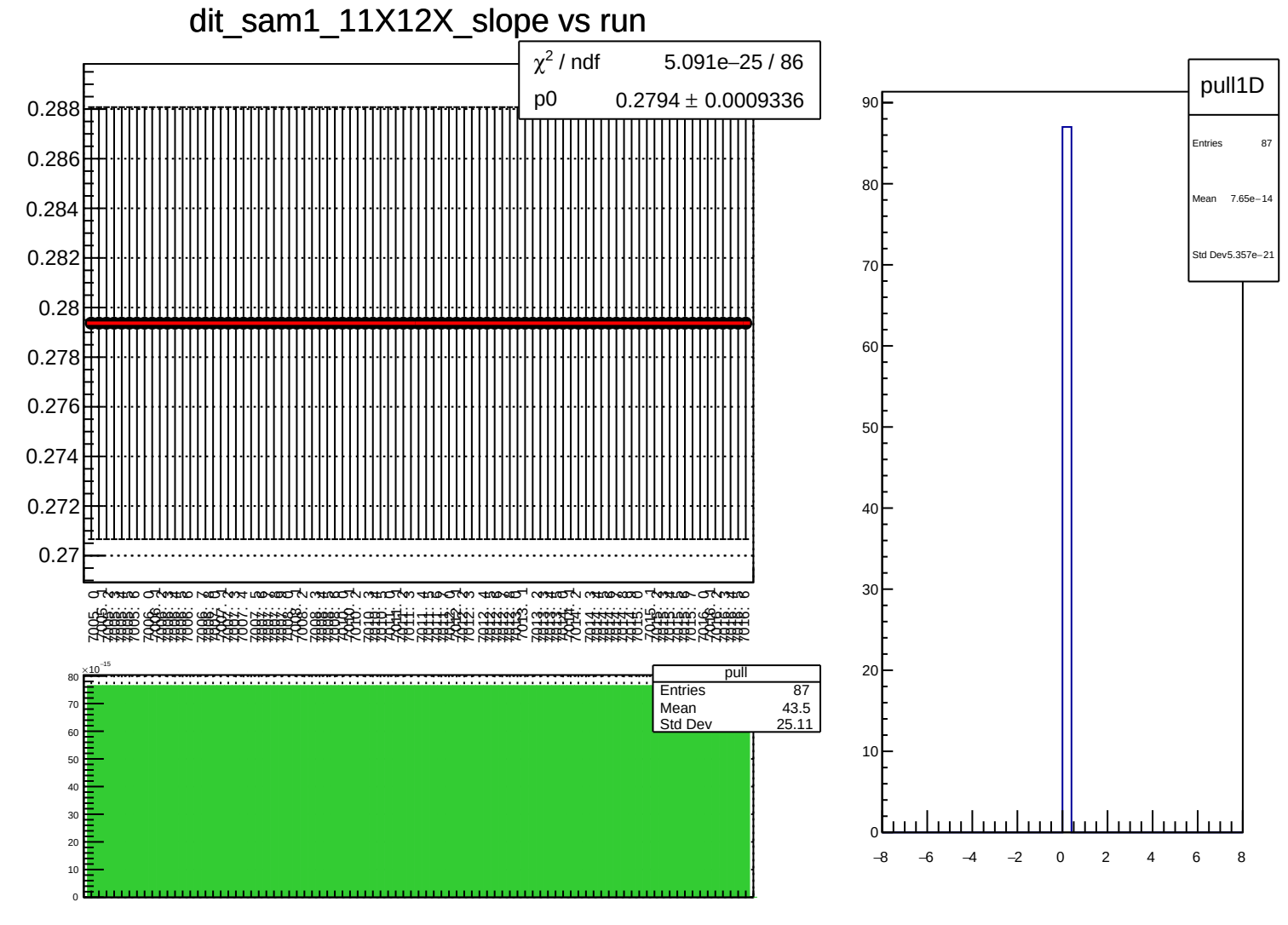

dit_atr2_11X12X_slope vs run
χ² / ndf 2.294e−24 / 86
p0 −256.3 ± 0.07506
−255.6
−255.8
−256
−256.2
−256.4
−256.6
−256.8
−257
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.624e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4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

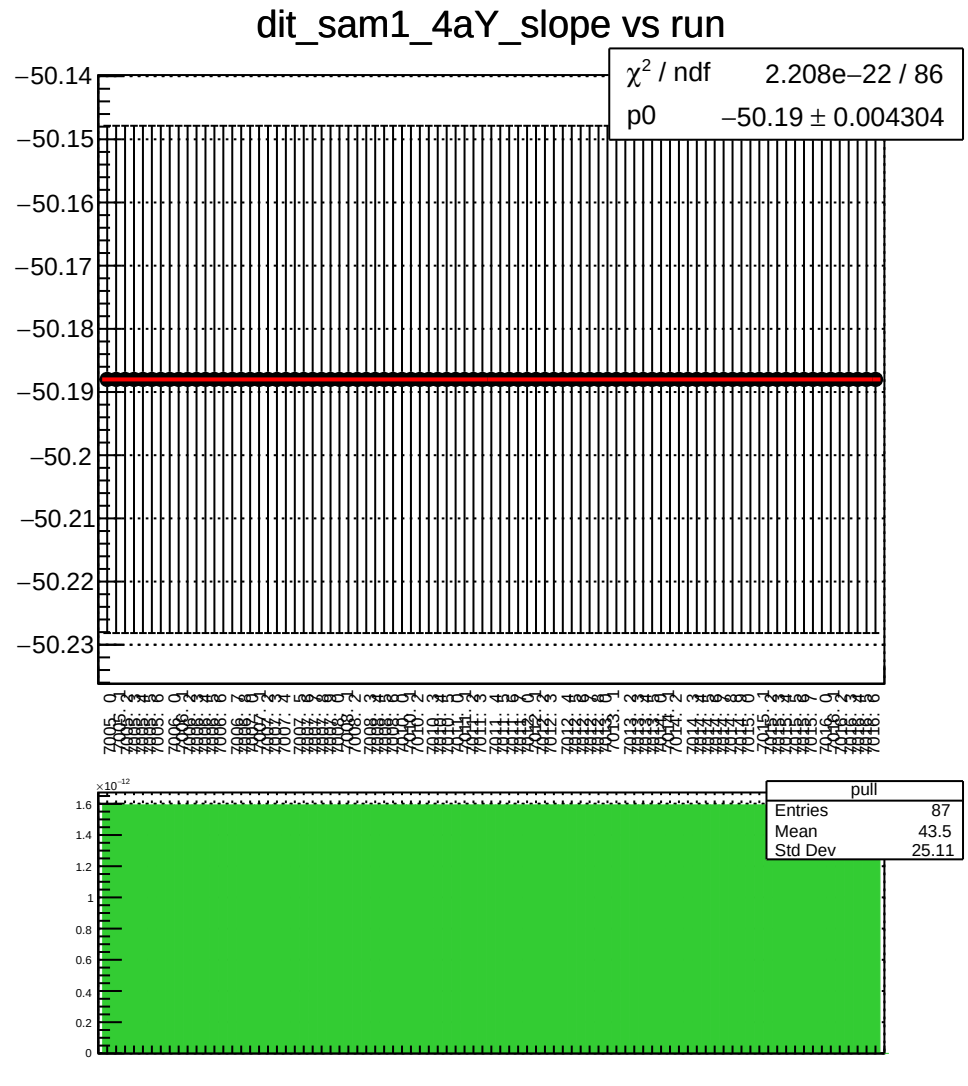

dit_atr2_4aY_slope vs run
χ² / ndf 6.142e−26 / 86
p0 −13.39 ± 0.05017
−13
−13.2
−13.4
−13.6
−13.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 87
Mean 2.657e−14
Std Dev1.527e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

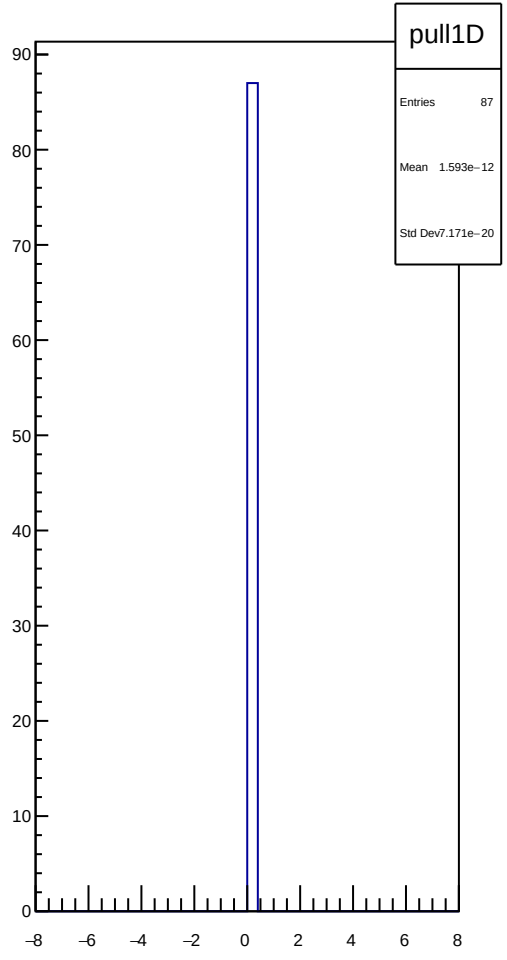

dit_atr2_4eY_slope vs run
χ² / ndf 4.974e−24 / 86
p0 132.1 ± 0.06372
132.8
132.6
132.4
132.2
132
131.8
131.6
131.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 87
Mean −2.391e−13
Std Dev9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

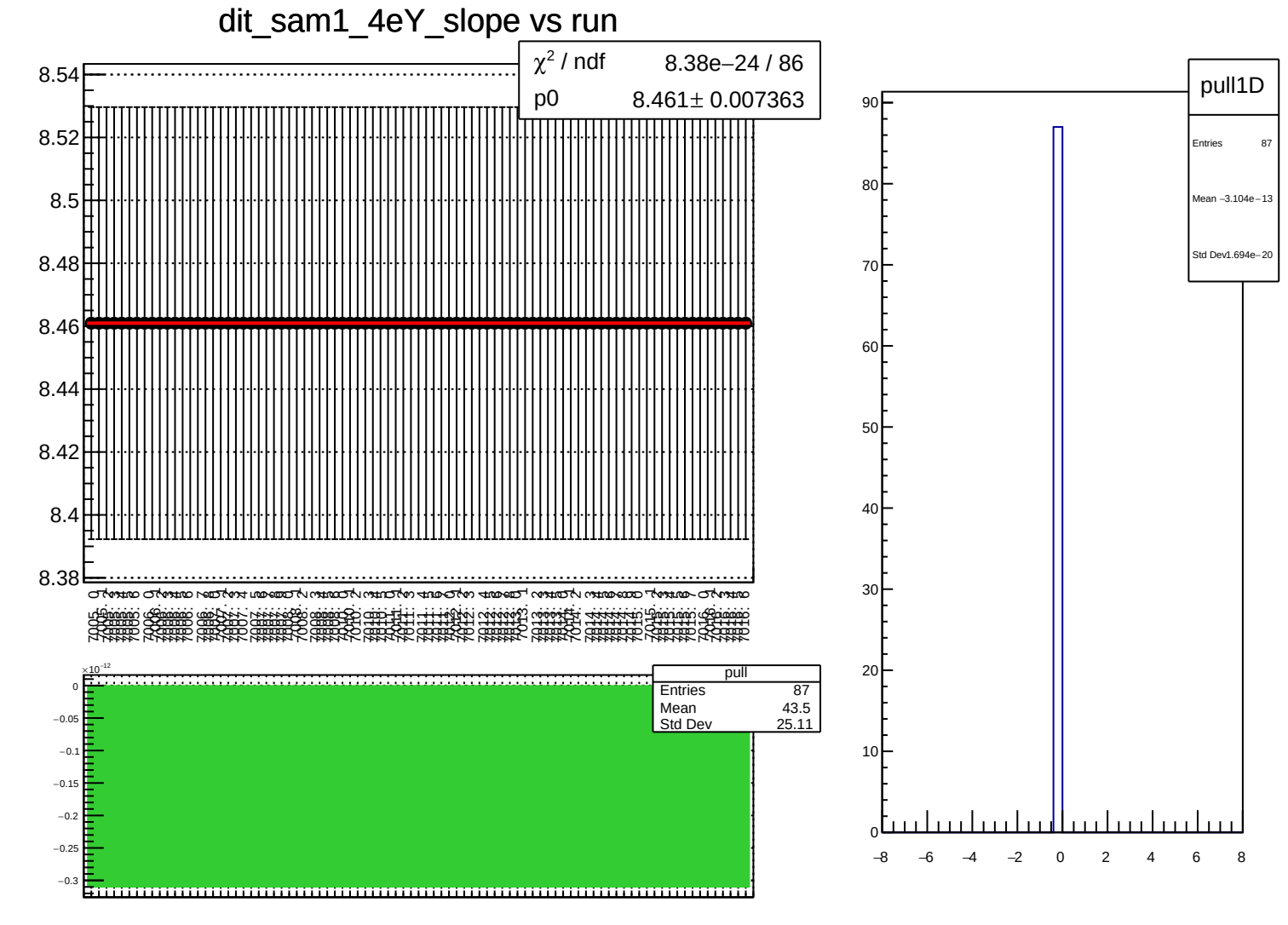

dit_sam1_4aX_slope vs run
χ² / ndf 5.788e−31 / 86
p0 −0.01707 ± 0.0228
0.2
0.1
0
−0.1
−0.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁸
pull1D
Entries 87
Mean −8.157e−17
Std Dev4.823e−24

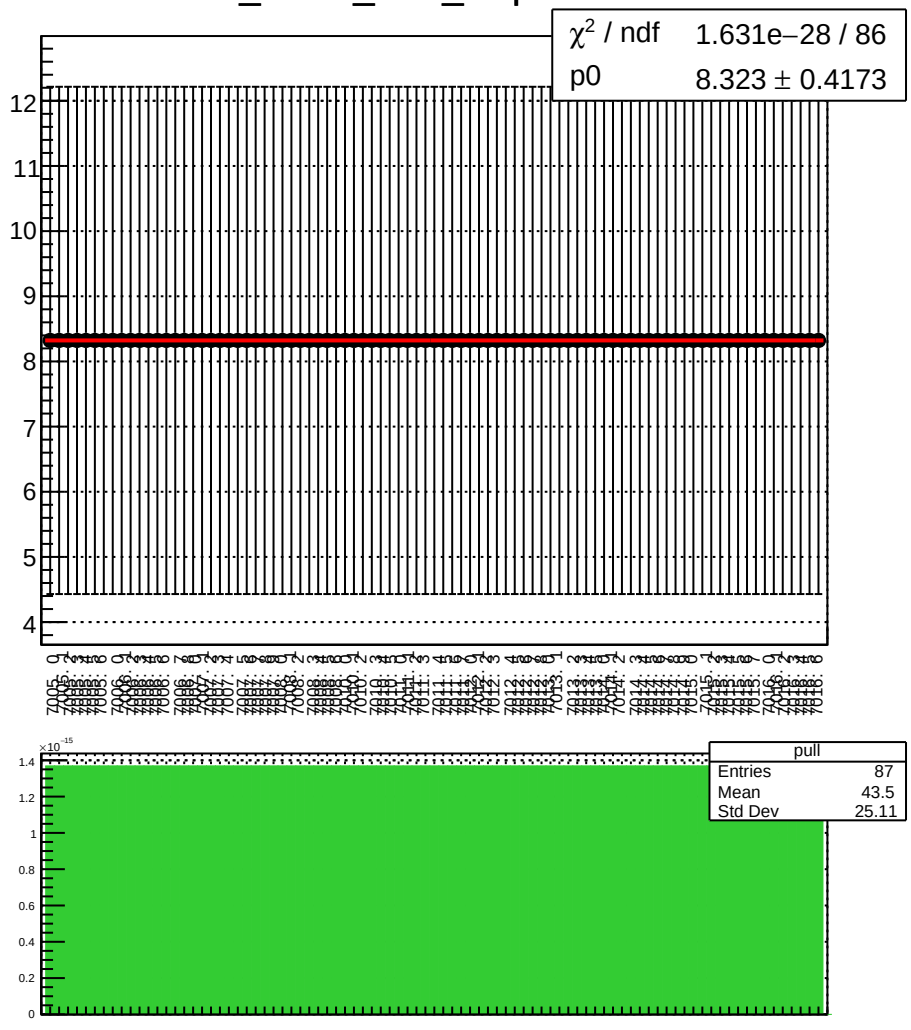

dit_sam1_4eX_slope vs run
χ² / ndf 2.811e−24 / 86
p0 −14.27 ± 0.01907
−14.1
−14.15
−14.2
−14.25
−14.3
−14.35
−14.4
−14.45
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 87
Mean −1.798e−13
Std Dev9.878e−21
90
80
70
60
50
40
30
20
10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

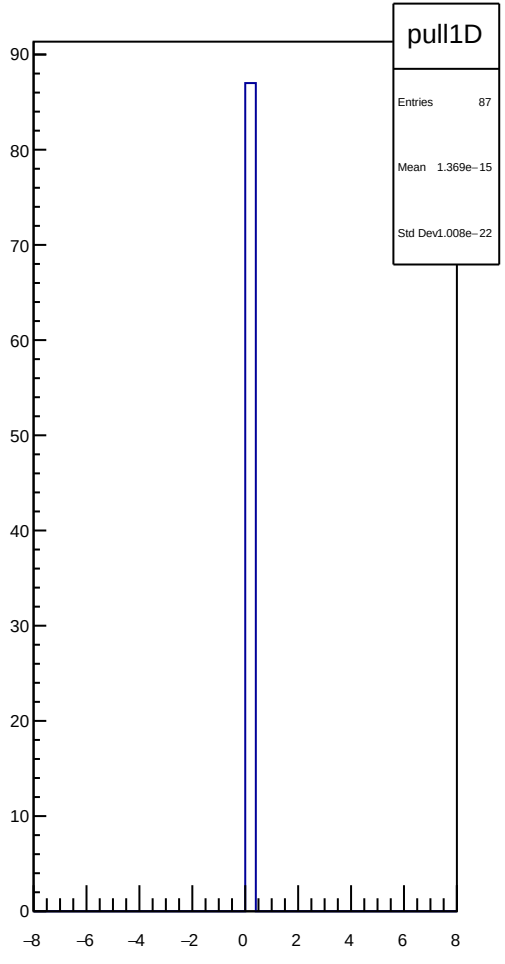

dit_sam1_11X12X_slope vs run
χ² / ndf 5.091e−25 / 86
p0 0.2794 ± 0.0009336
0.288
0.286
0.284
0.282
0.28
0.278
0.276
0.274
0.272
0.27
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
pull1D
Entries 87
Mean 7.65e−14
Std Dev 5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

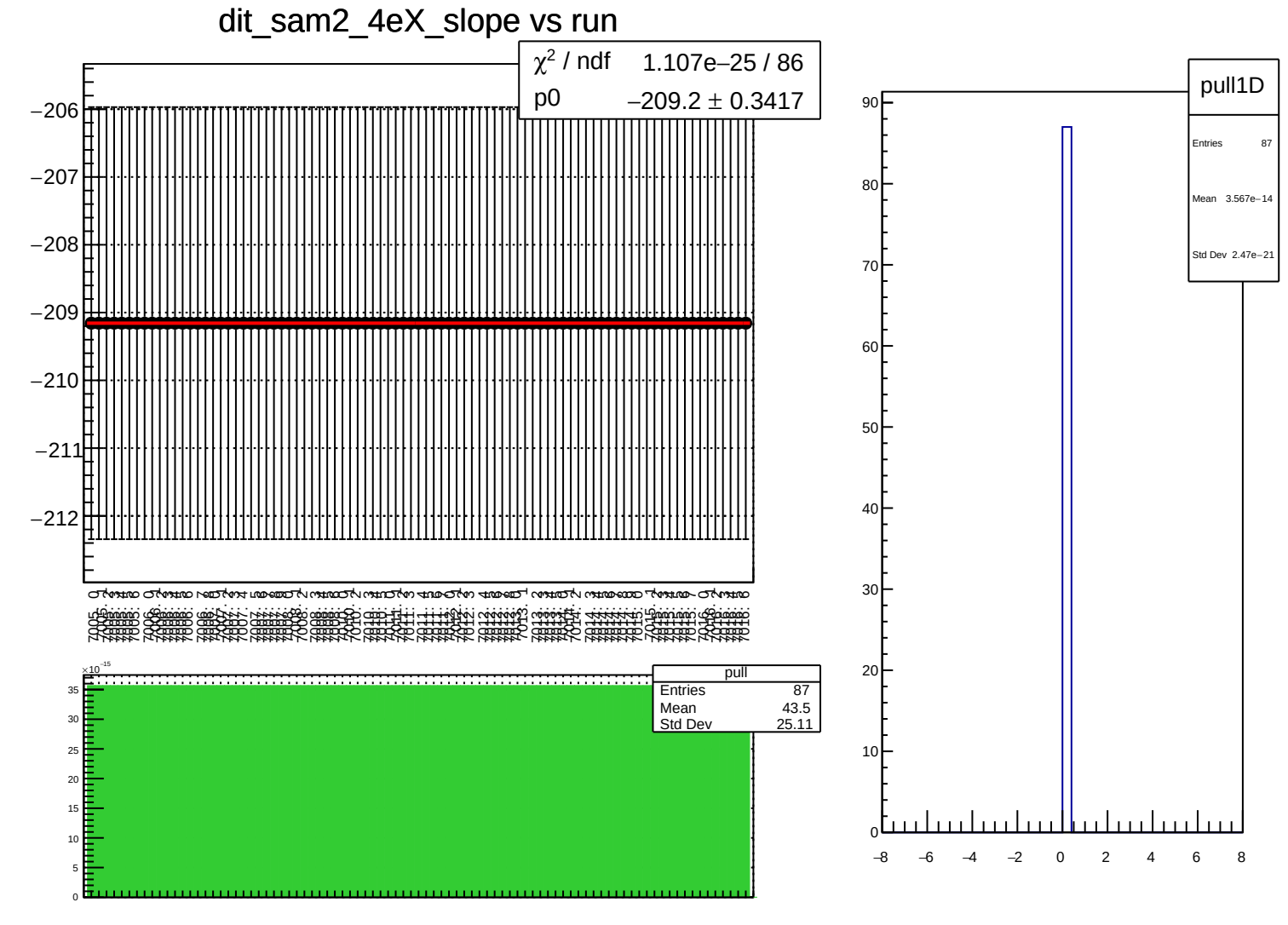

dit_sam1_4aY_slope vs run
χ² / ndf 2.208e−22 / 86
p0 −50.19 ± 0.004304
−50.14
−50.15
−50.16
−50.17
−50.18
−50.19
−50.2
−50.21
−50.22
−50.23
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

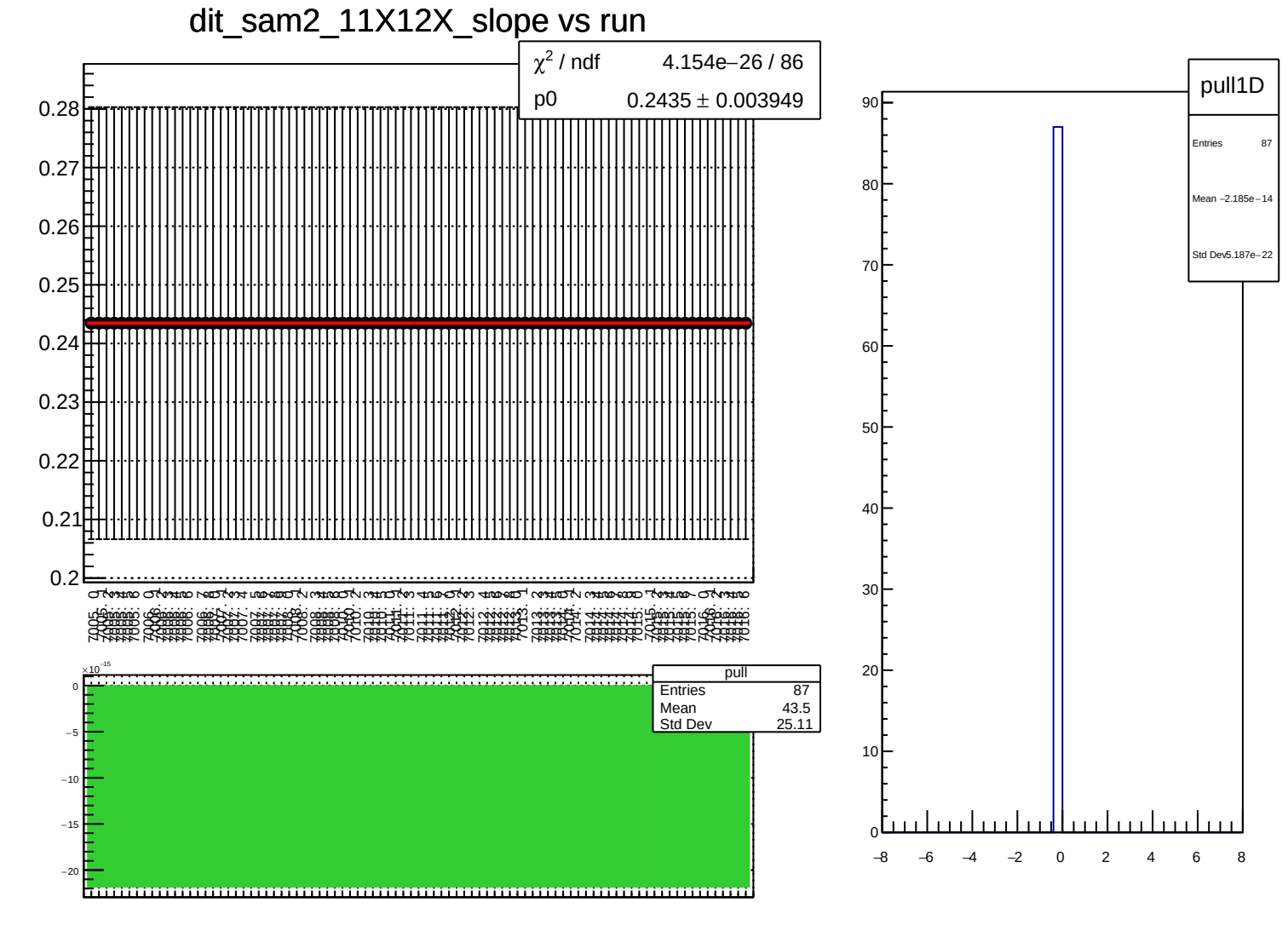

pull1D
Entries 87
Mean 1.593e−12
Std Dev7.171e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

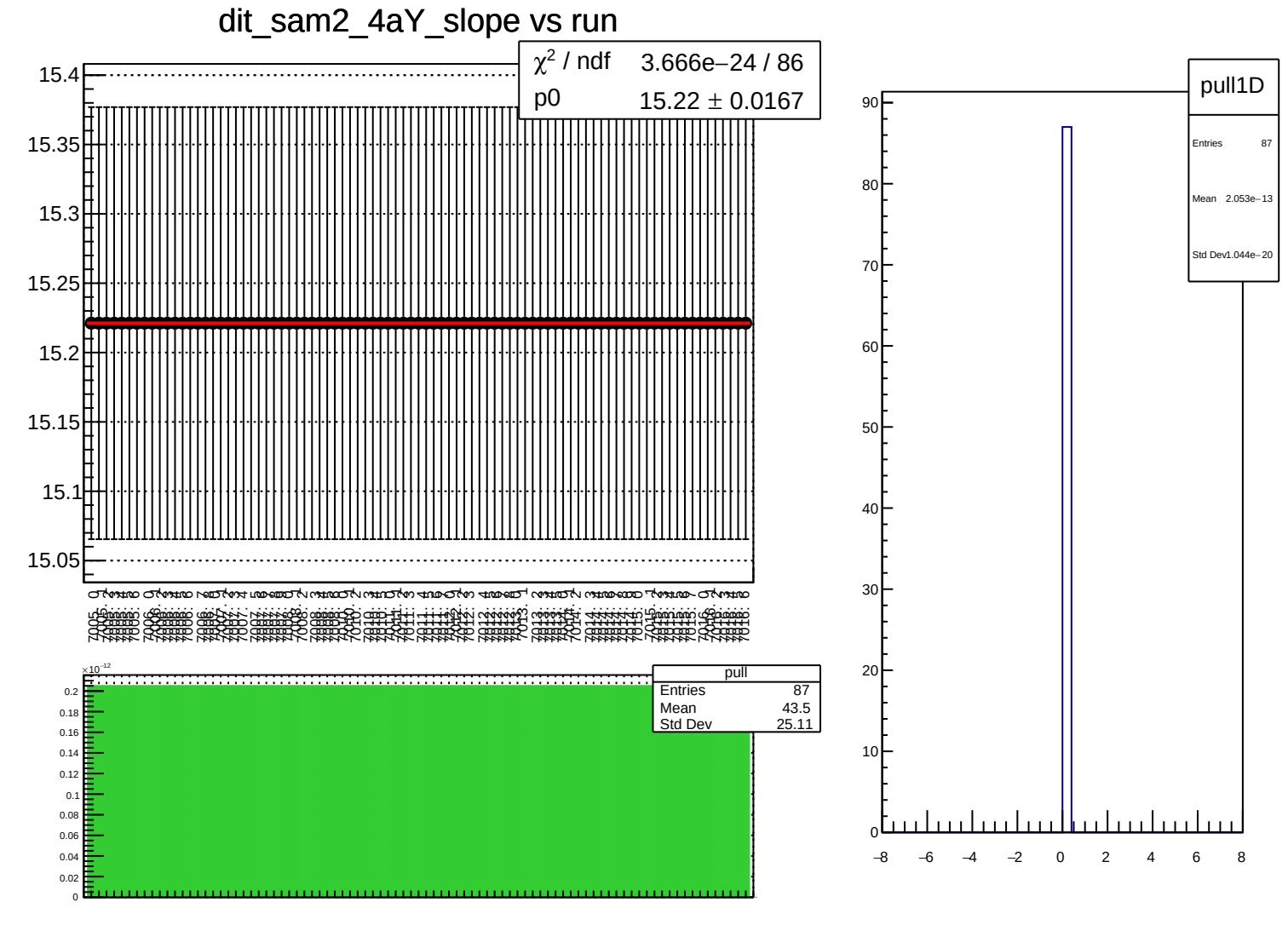

dit_sam1_4eY_slope vs run
χ² / ndf 8.38e−24 / 86
p0 8.461± 0.007363
8.54
8.52
8.5
8.48
8.46
8.44
8.42
8.4
8.38
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 87
Mean −3.104e−13
Std Dev1.694e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

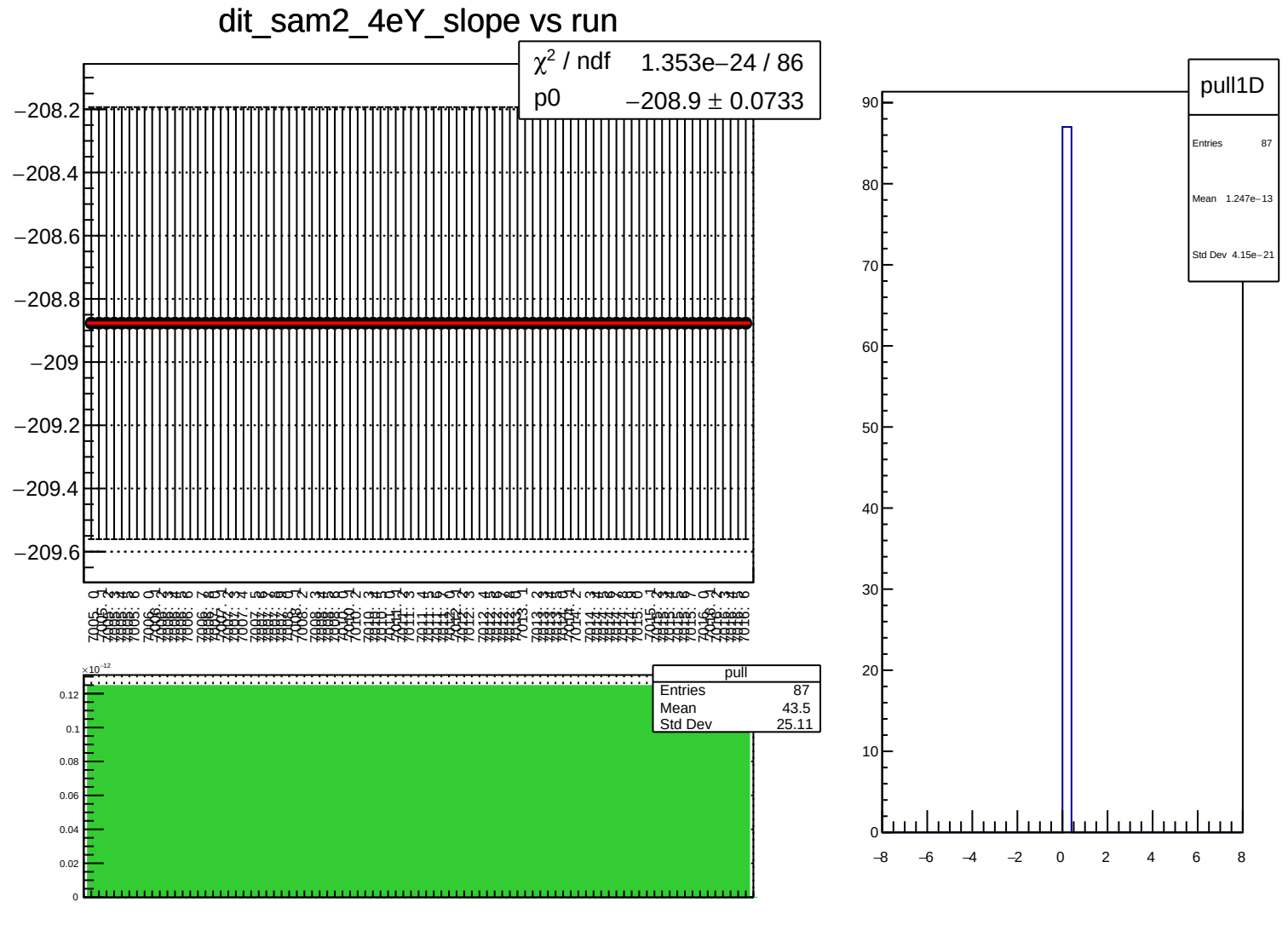

dit_sam2_4aX_slope vs run
χ² / ndf 1.631e−28 / 86
p0 8.323 ± 0.4173
pull
Entries 87
Mean 43.5
Std Dev 25.11

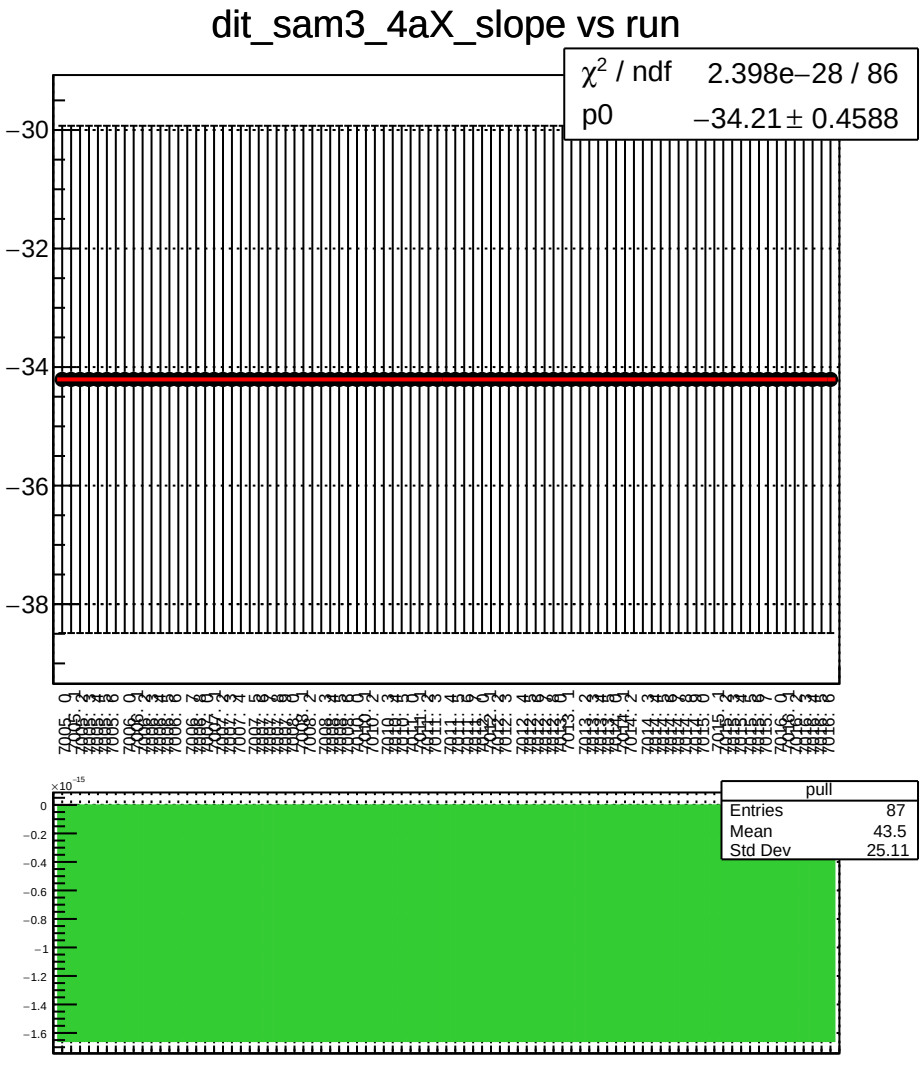

pull1D
Entries 87
Mean 1.369e−15
Std Dev1.008e−22

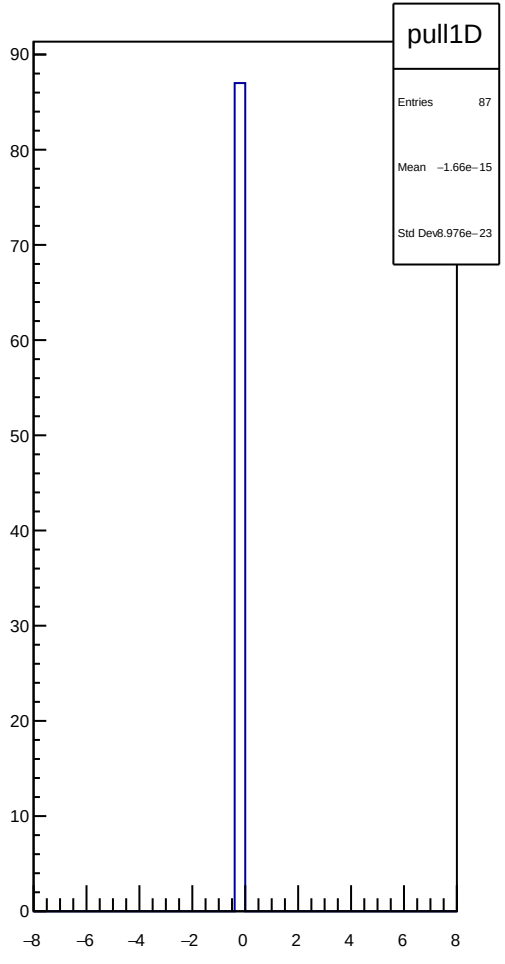

dit_sam2_4eX_slope vs run
χ² / ndf 1.107e−25 / 86
p0 −209.2 ± 0.3417
−206
−207
−208
−209
−210
−211
−212
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 87
Mean 3.567e−14
Std Dev 2.47e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

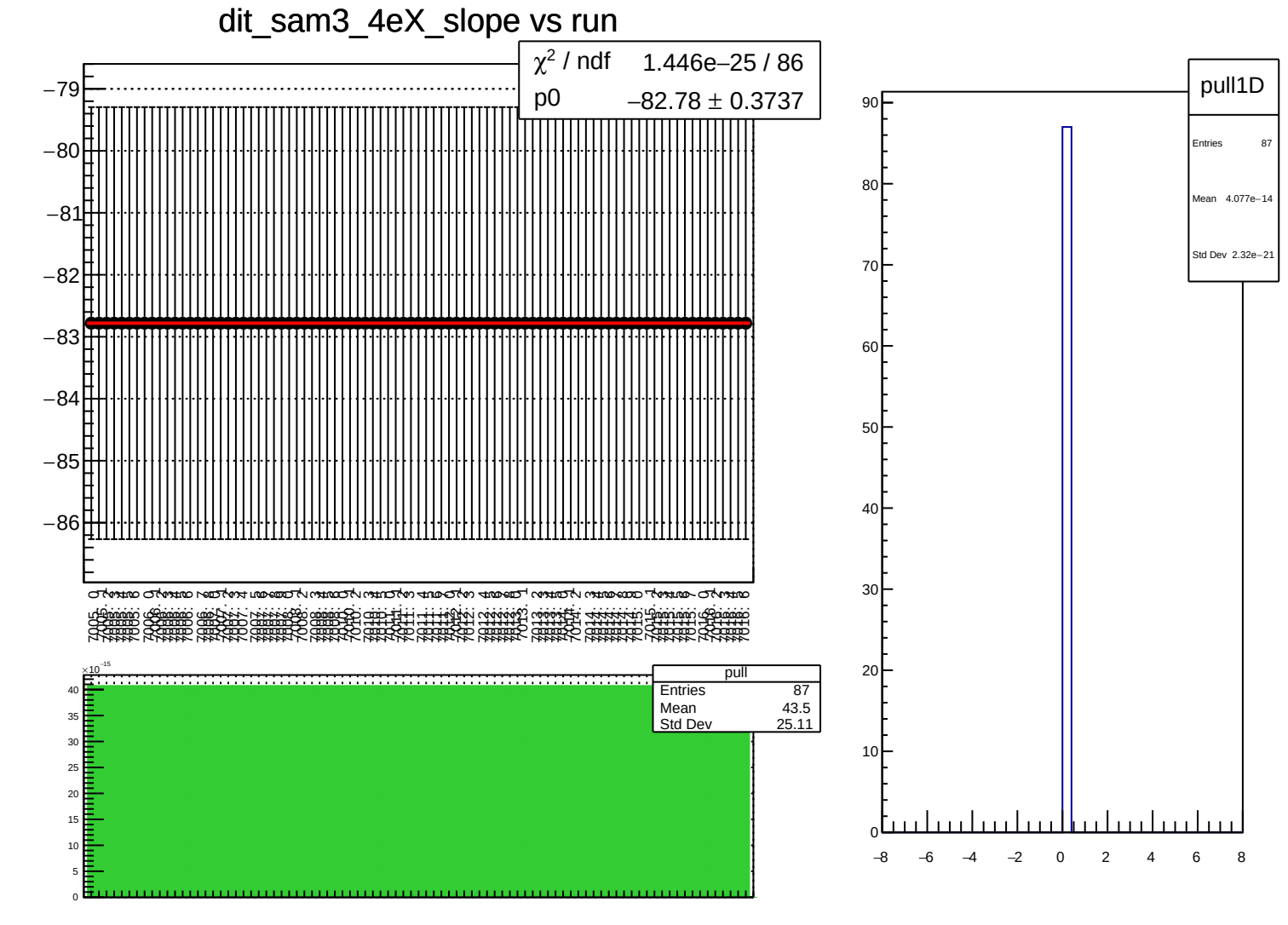

dit_sam2_11X12X_slope vs run
χ² / ndf 4.154e−26 / 86
p0 0.2435 ± 0.003949
0.28
0.27
0.26
0.25
0.24
0.23
0.22
0.21
0.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 87
Mean −2.185e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

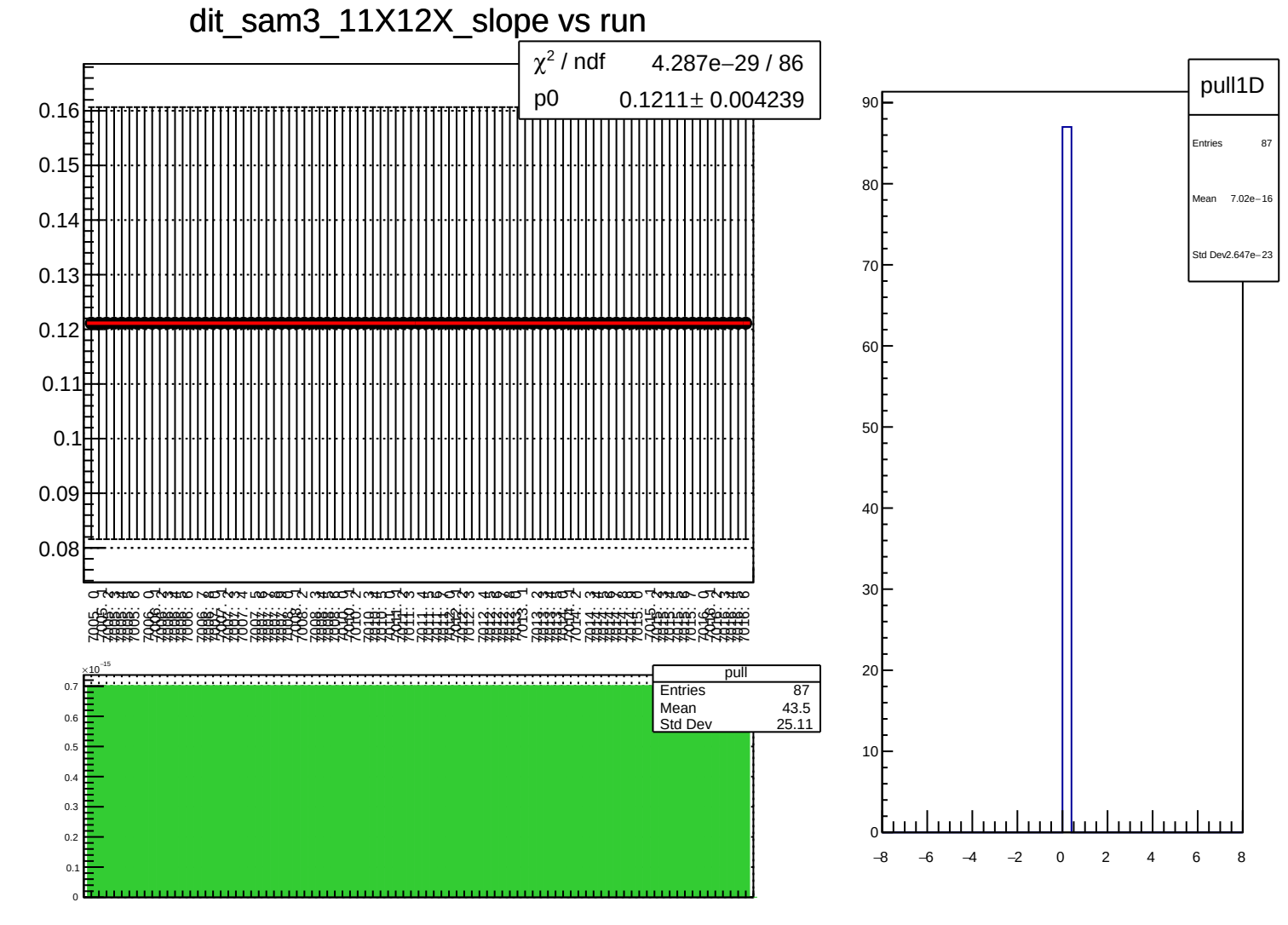

dit_sam2_4aY_slope vs run
χ² / ndf 3.666e−24 / 86
p0 15.22 ± 0.0167
15.4
15.35
15.3
15.25
15.2
15.15
15.1
15.05
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 2.053e−13
Std Dev1.044e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0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

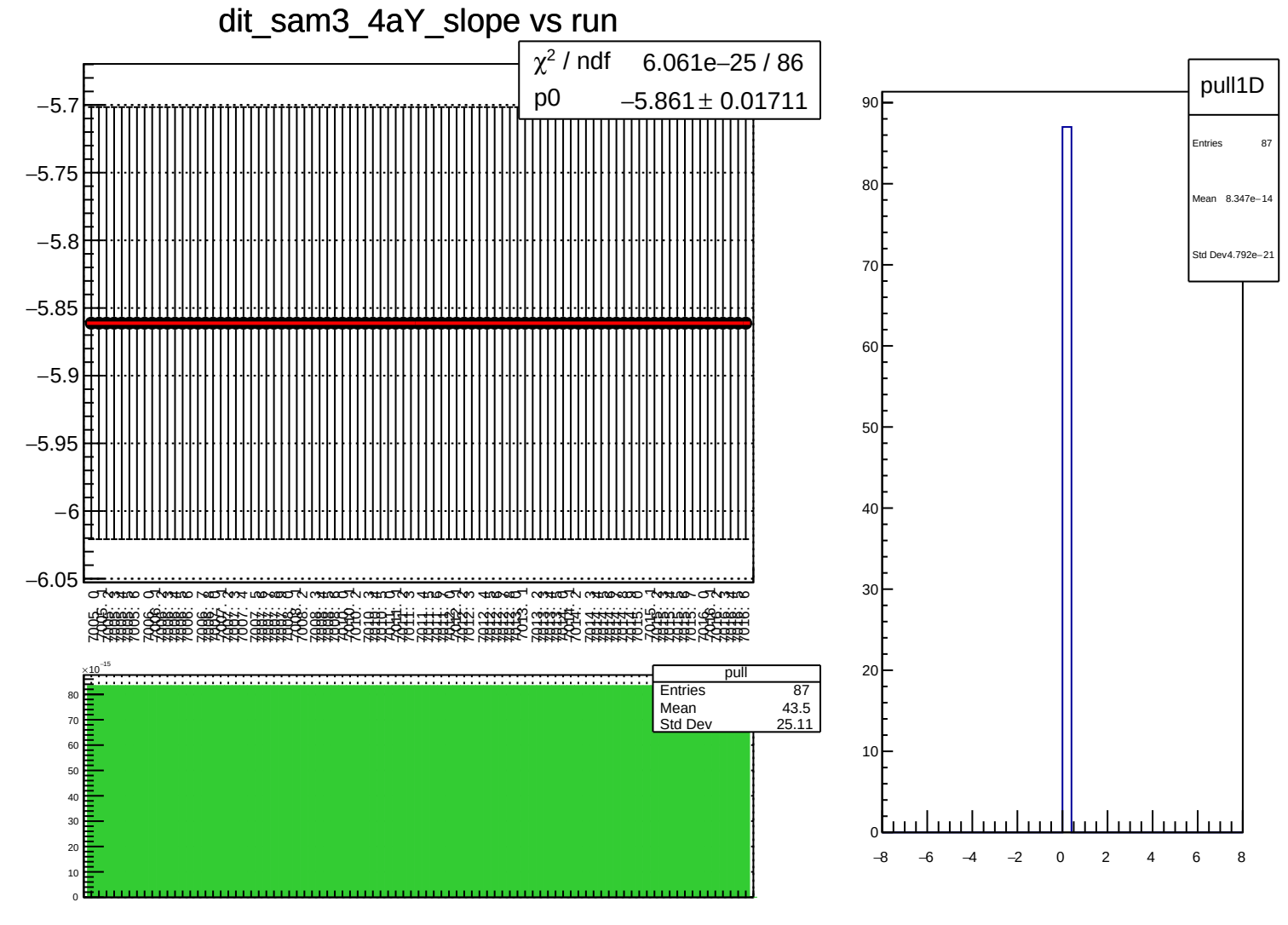

dit_sam2_4eY_slope vs run
χ² / ndf 1.353e−24 / 86
p0 −208.9 ± 0.0733
−208.2
−208.4
−208.6
−208.8
−209
−209.2
−209.4
−209.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.247e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

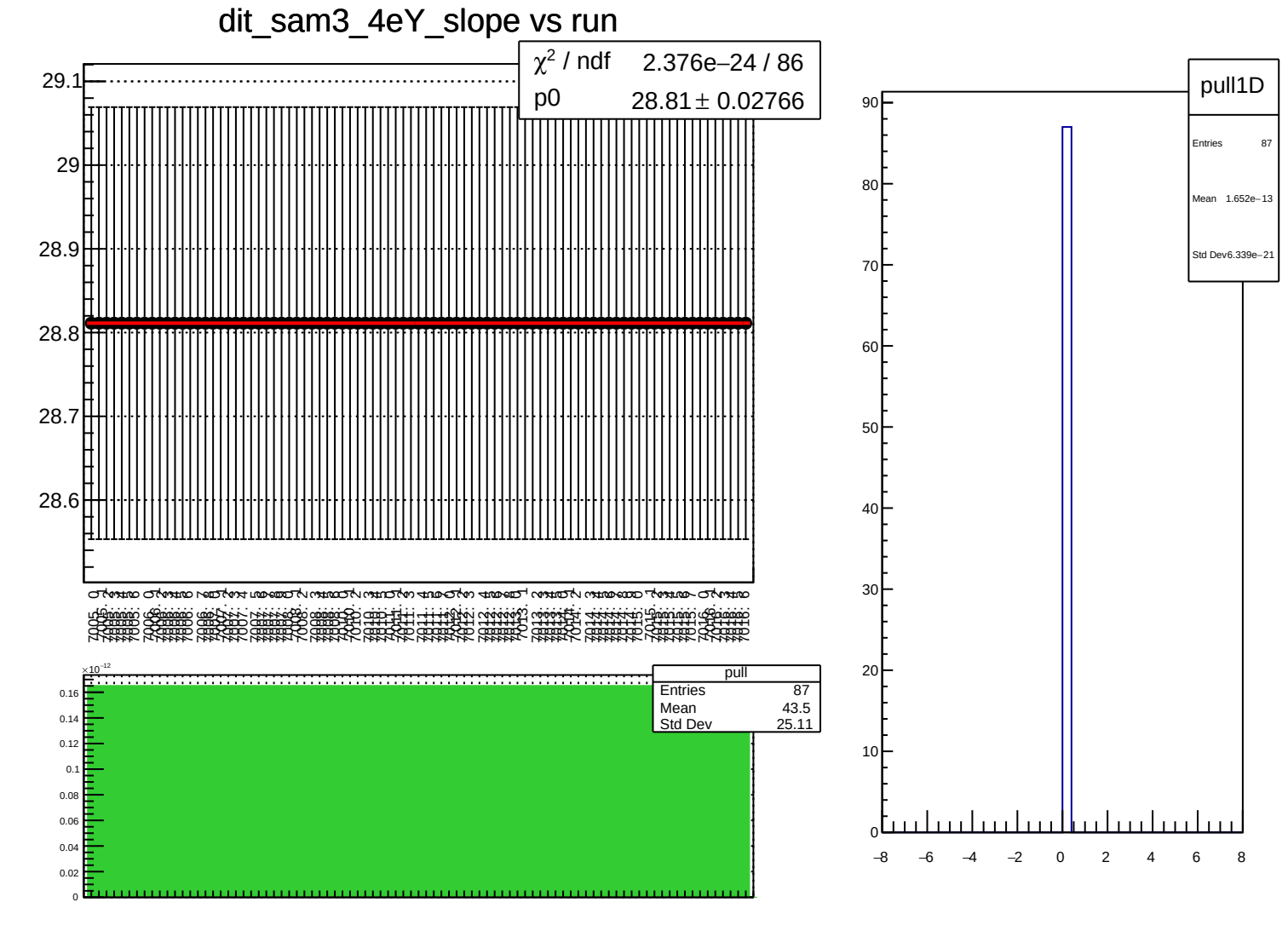

dit_sam3_4aX_slope vs run
χ² / ndf 2.398e−28 / 86
p0 −34.21 ± 0.4588
−30
−32
−34
−36
−38
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

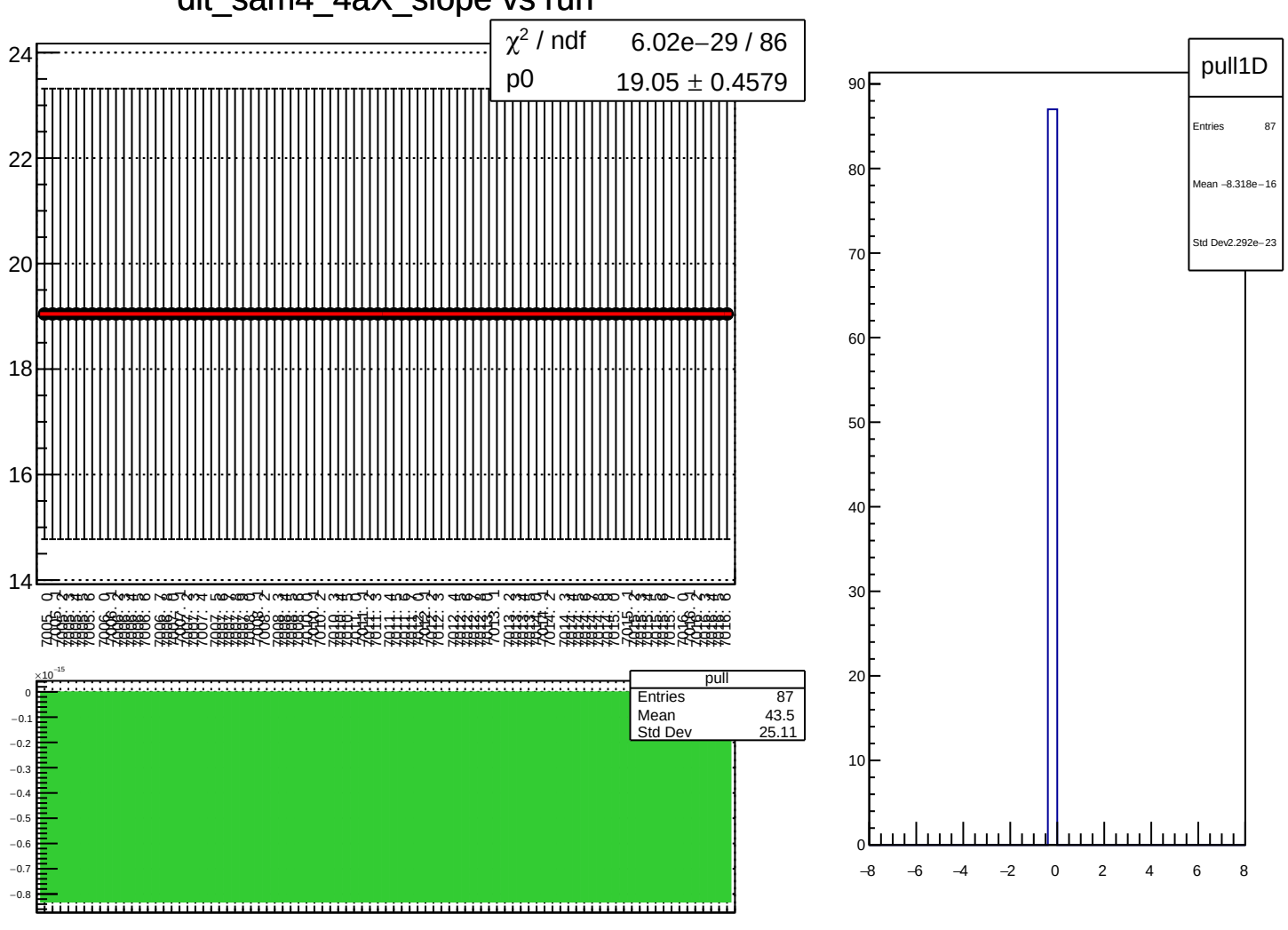

pull1D
Entries 87
Mean −1.66e−15
Std Dev 8.976e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

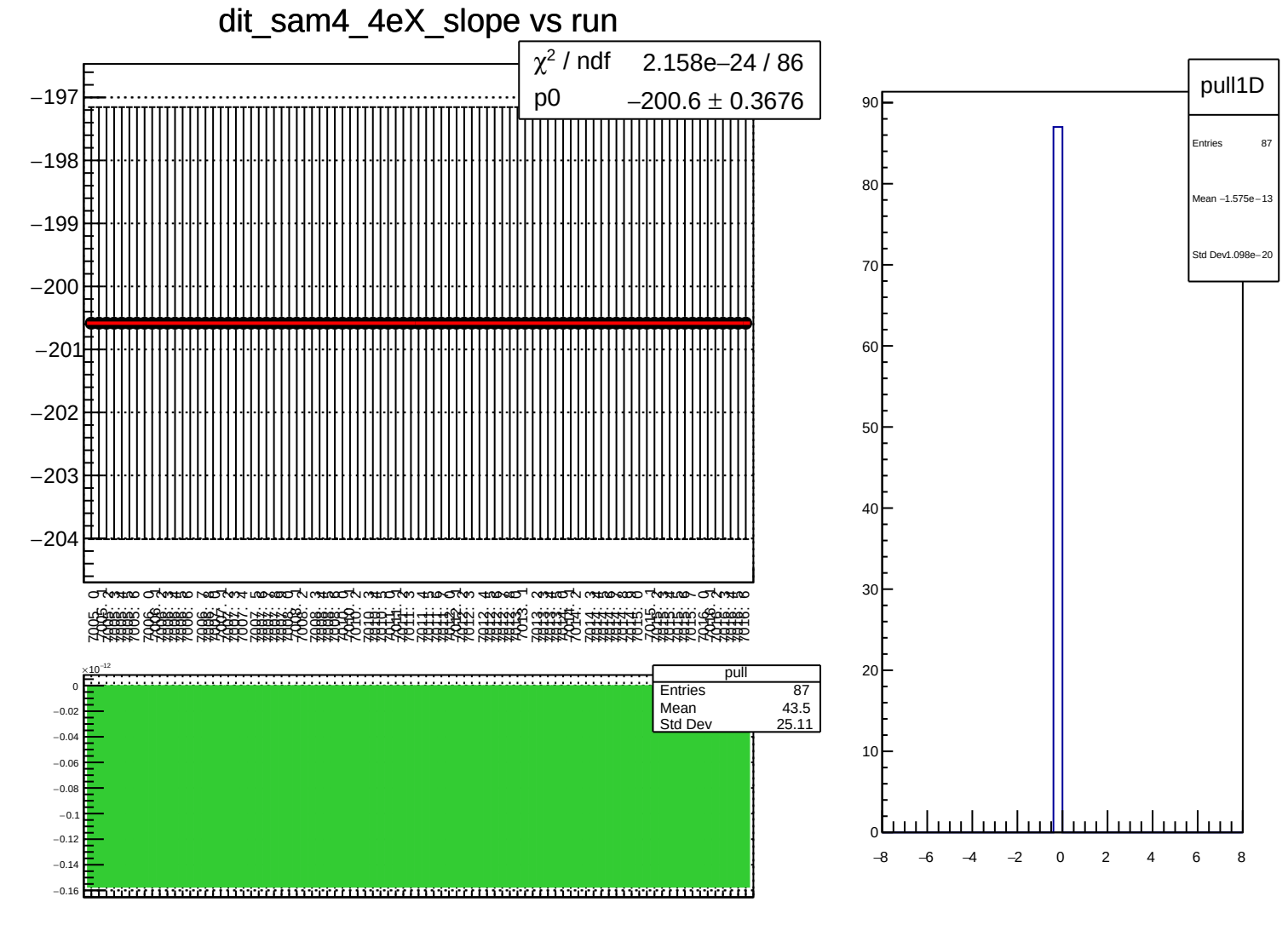

dit_sam3_4eX_slope vs run
χ² / ndf 1.446e−25 / 86
p0 −82.78 ± 0.3737
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 4.077e−14
Std Dev 2.32e−21

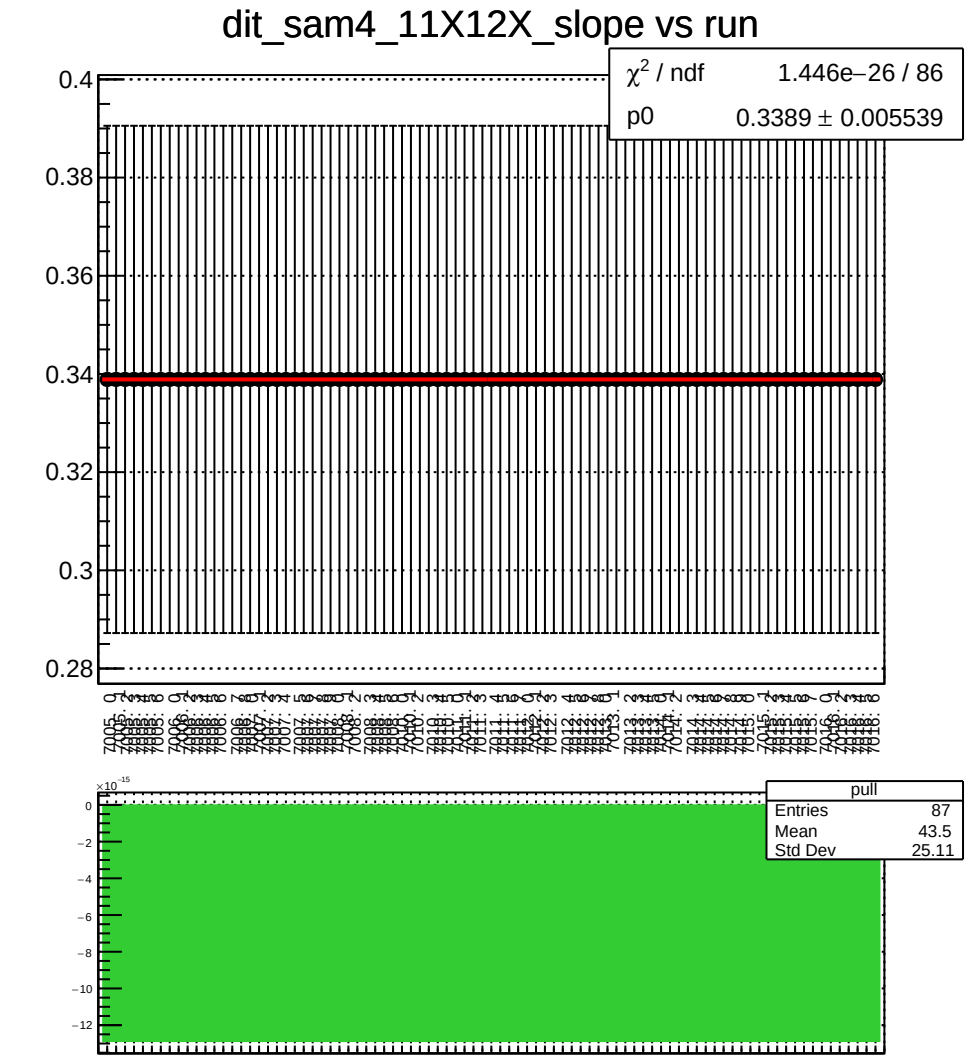

dit_sam3_11X12X_slope vs run
χ² / ndf 4.287e−29 / 86
p0 0.1211± 0.004239
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 87
Mean 7.02e−16
Std Dev 2.647e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

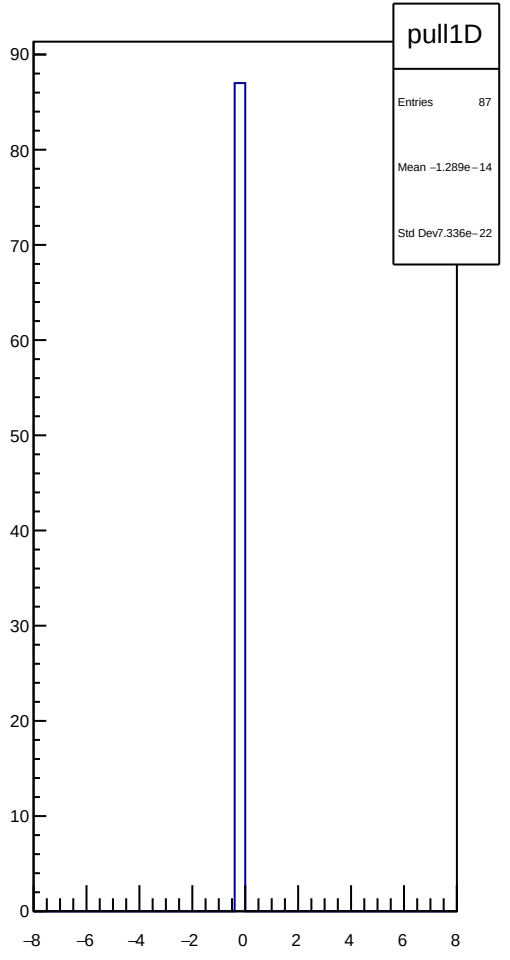

dit_sam3_4aY_slope vs run
χ² / ndf 6.061e−25 / 86
p0 −5.861 ± 0.01711
−5.7
−5.75
−5.8
−5.85
−5.9
−5.95
−6
−6.05
×10⁻¹⁵
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 8.347e−14
Std Dev 4.792e−21

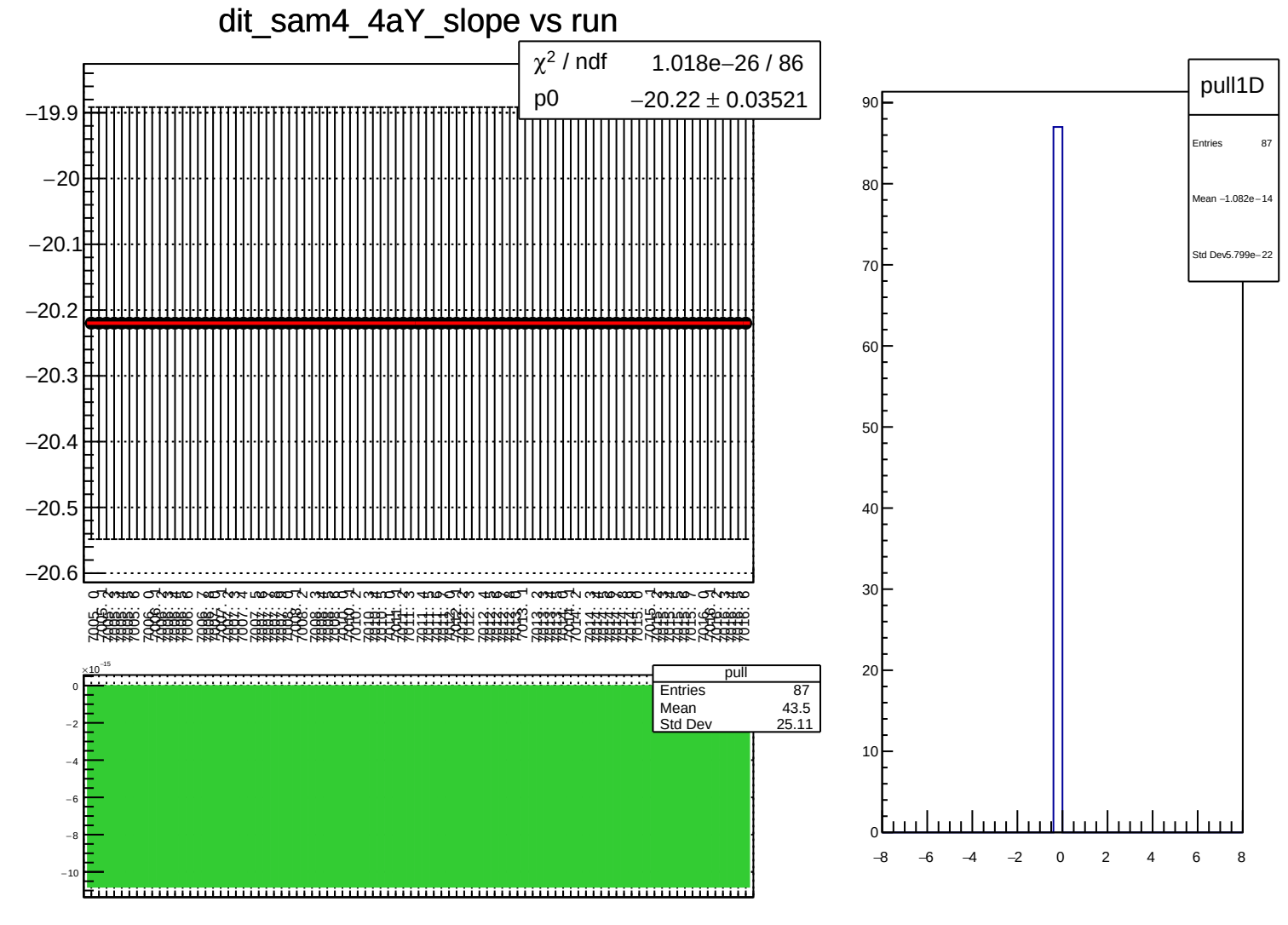

dit_sam3_4eY_slope vs run
χ² / ndf 2.376e−24 / 86
p0 28.81 ± 0.02766
29.1
29
28.9
28.8
28.7
28.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 1.652e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

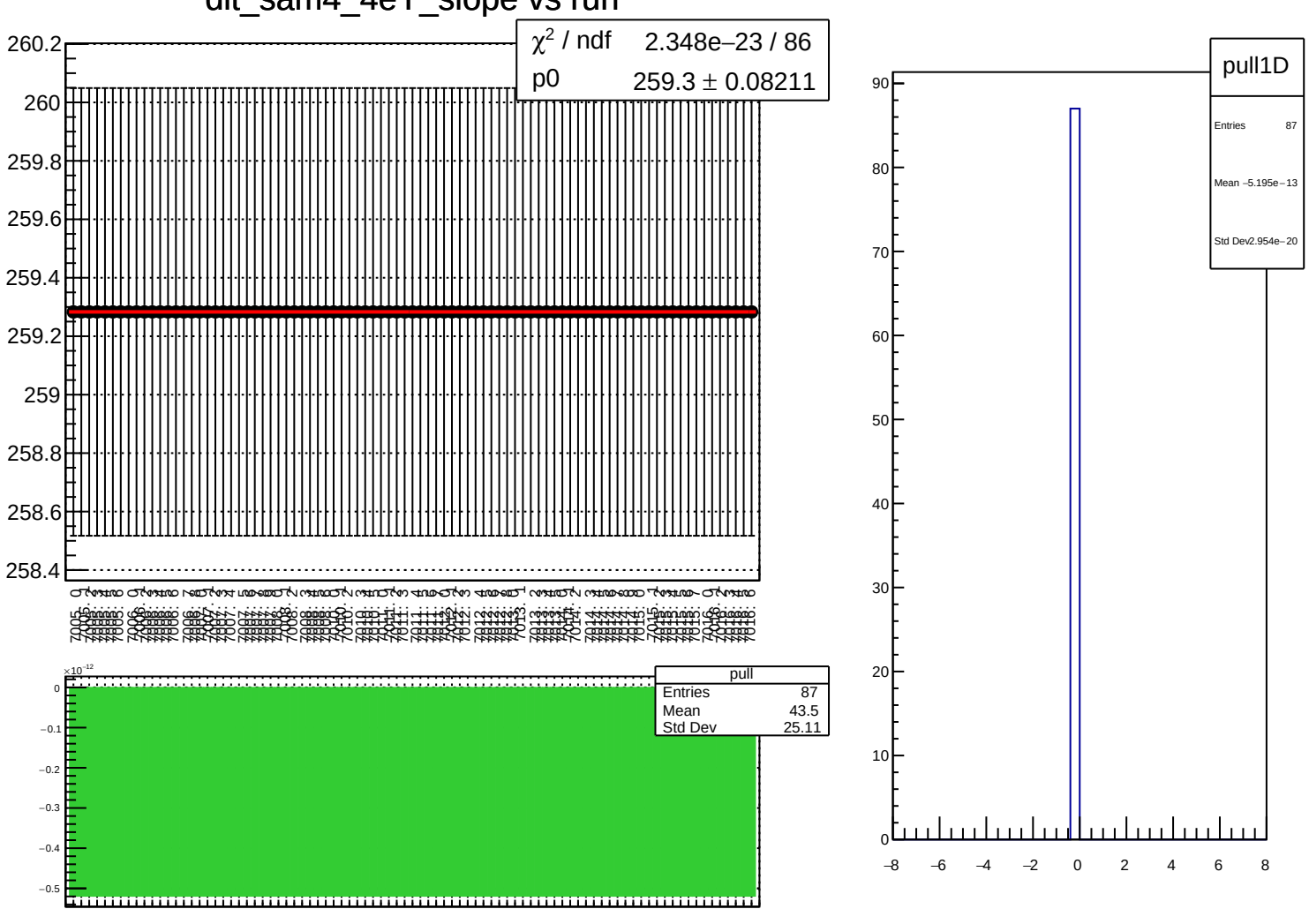

dit_sam4_4aX_slope vs run
χ² / ndf 6.02e−29 / 86
p0 19.05 ± 0.4579
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −8.318e−16
Std Dev 2.292e−23

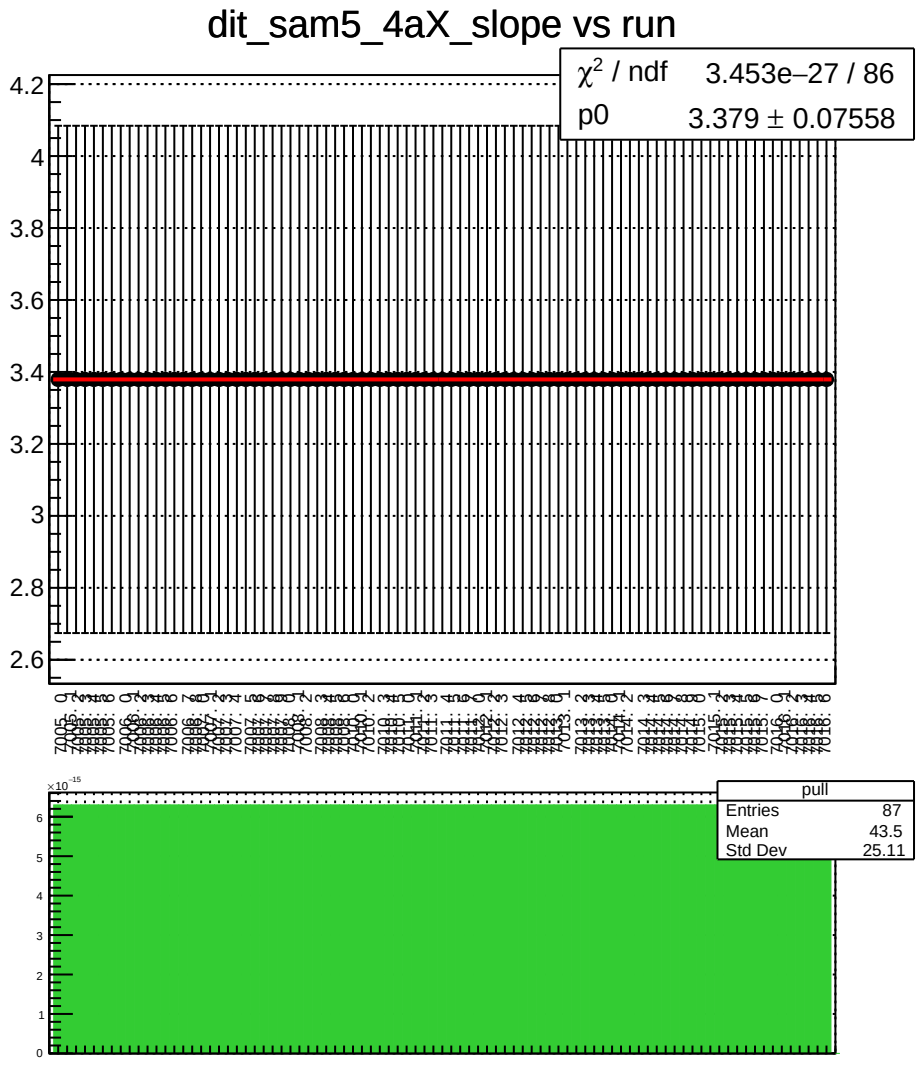

dit_sam4_4eX_slope vs run
χ² / ndf 2.158e−24 / 86
p0 −200.6 ± 0.3676
−197
−198
−199
−200
−201
−202
−203
−204
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −1.575e−13
Std Dev1.098e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2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

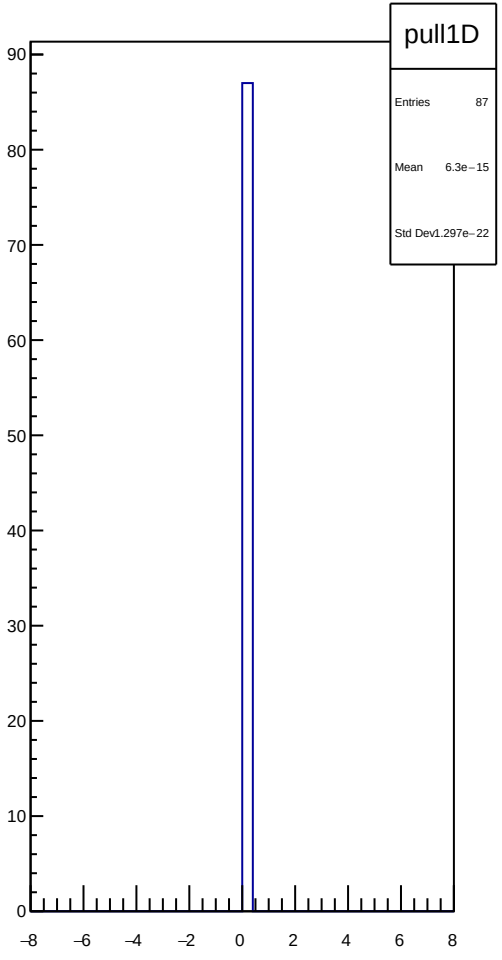

dit_sam4_11X12X_slope vs run
χ² / ndf 1.446e−26 / 86
p0 0.3389 ± 0.005539
0.4
0.38
0.36
0.34
0.32
0.3
0.28
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

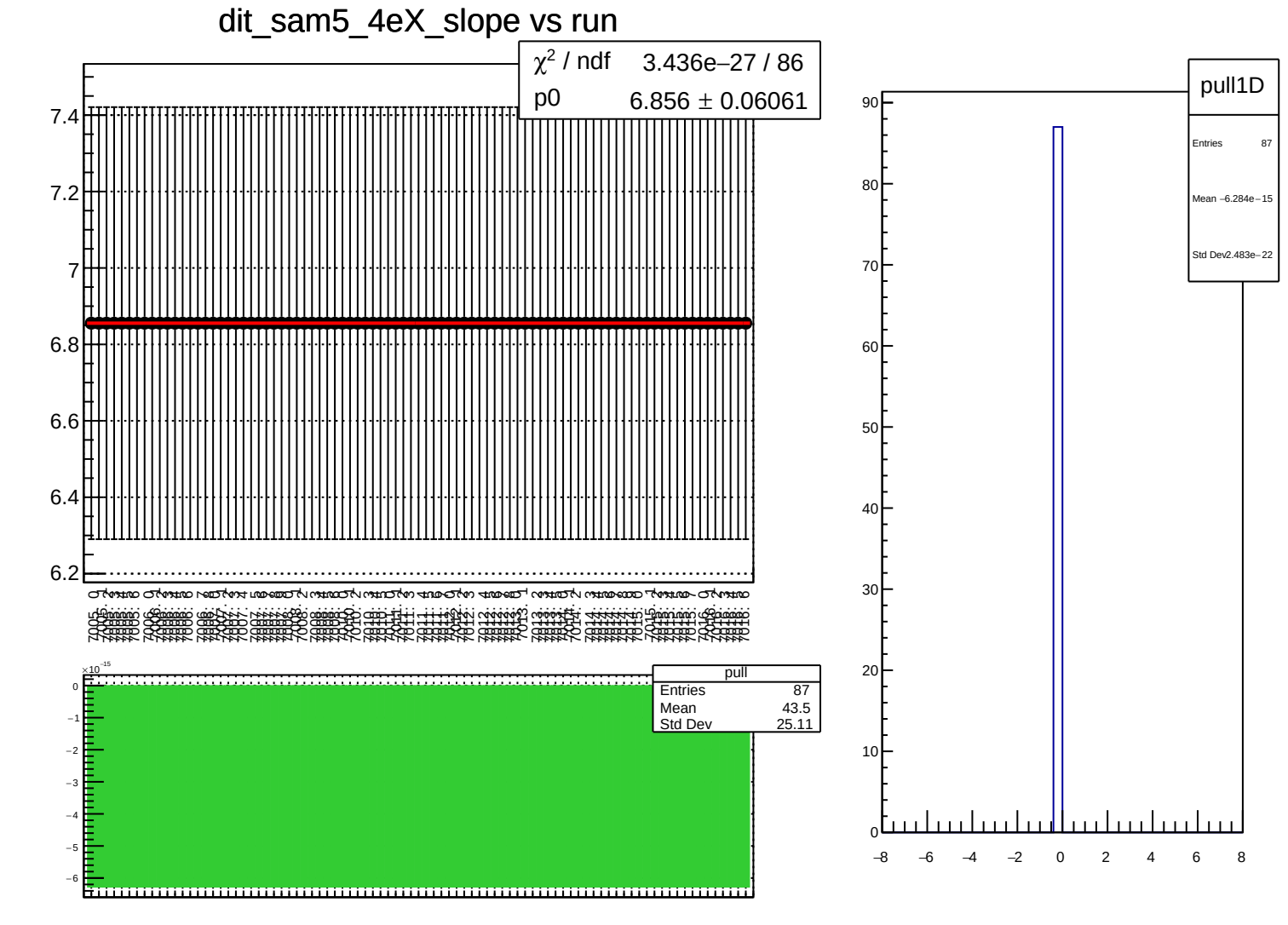

pull1D
Entries 87
Mean −1.289e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

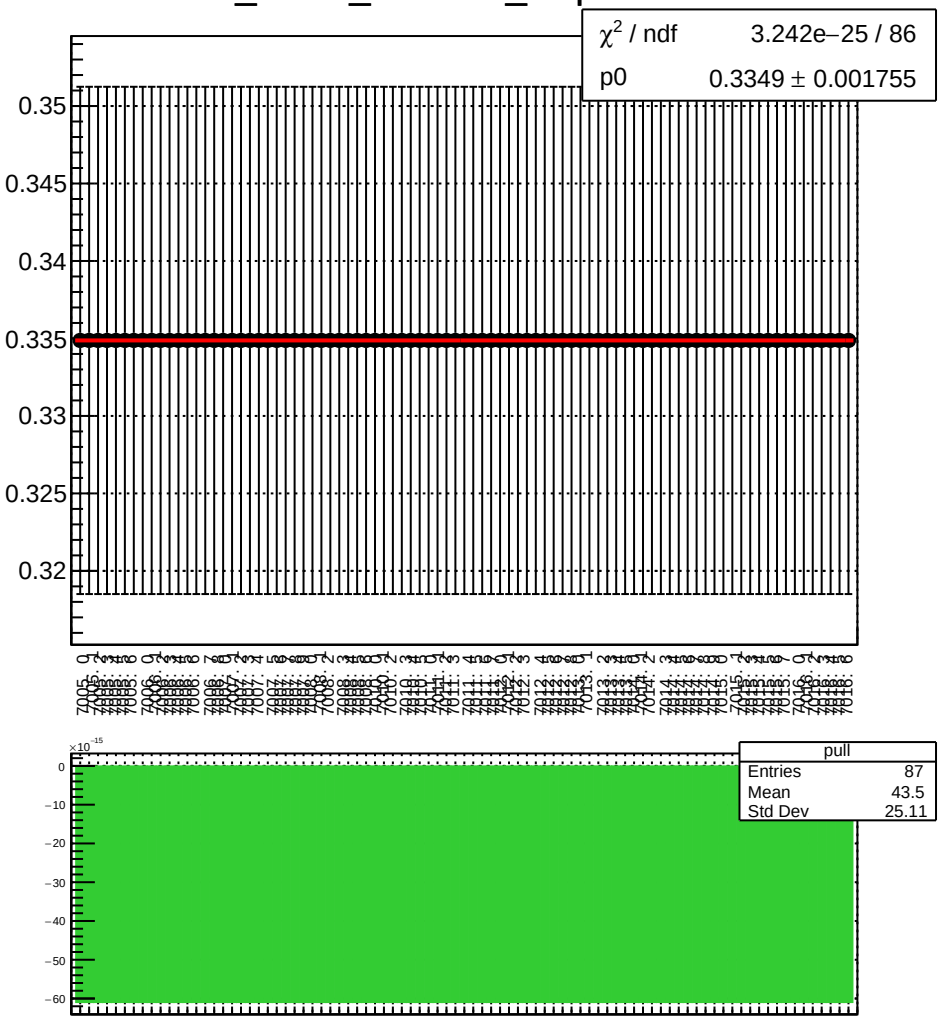

dit_sam4_4aY_slope vs run
χ² / ndf 1.018e−26 / 86
p0 −20.22 ± 0.03521
−19.9
−20
−20.1
−20.2
−20.3
−20.4
−20.5
−20.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 87
Mean −1.082e−14
Std Dev 5.799e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

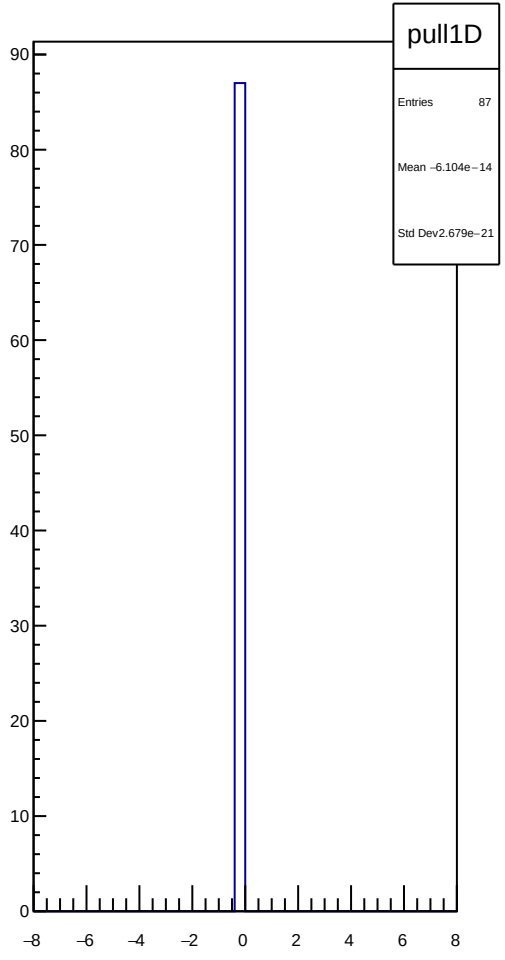

dit_sam4_4eY_slope vs run
χ² / ndf 2.348e−23 / 86
p0 259.3 ± 0.08211
260.2
260
259.8
259.6
259.4
259.2
259
258.8
258.6
258.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 87
Mean −5.195e−13
Std Dev 2.954e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

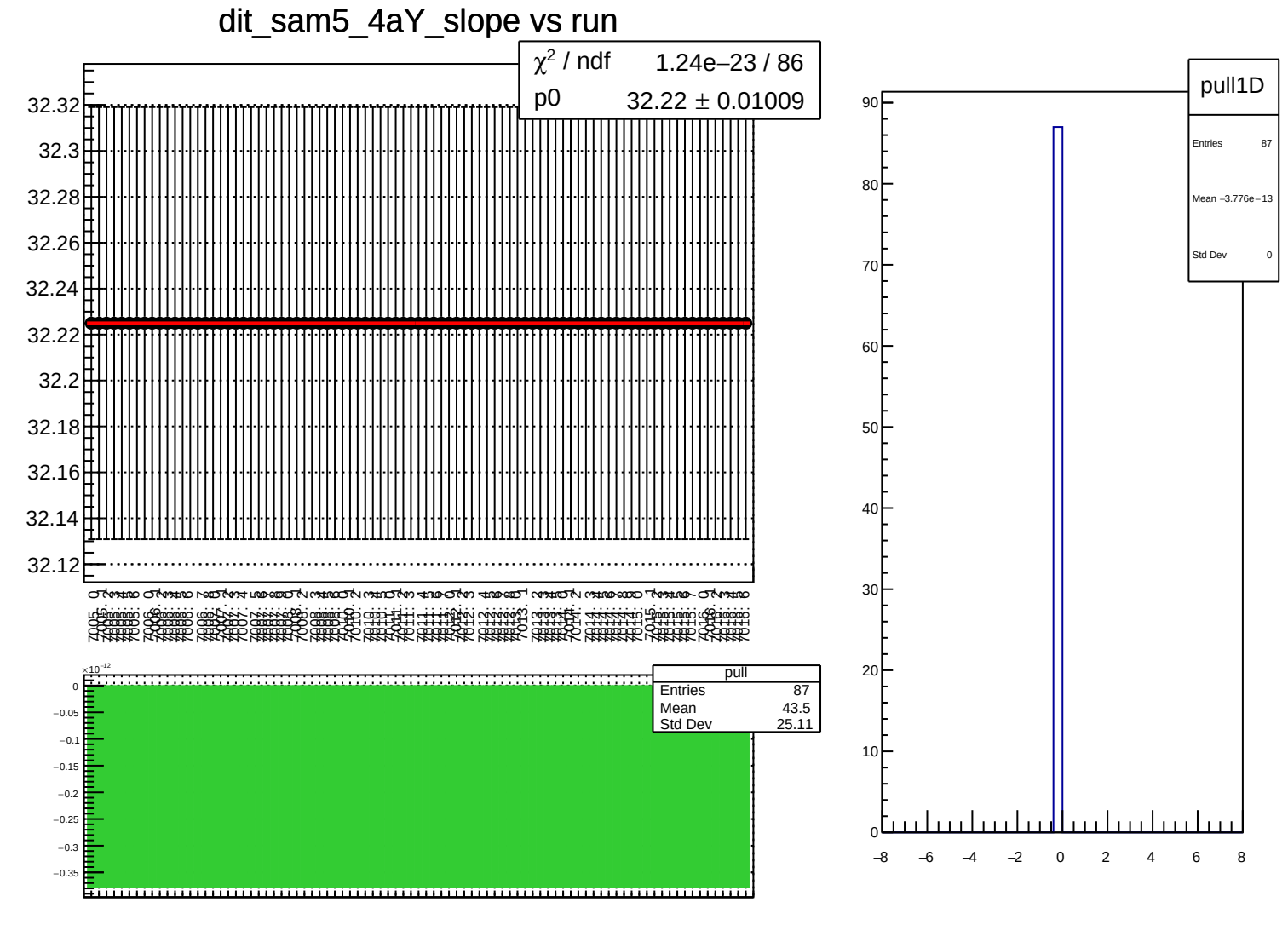

dit_sam5_4aX_slope vs run
χ² / ndf 3.453e−27 / 86
p0 3.379 ± 0.07558
pull
Entries 87
Mean 43.5
Std Dev 25.11

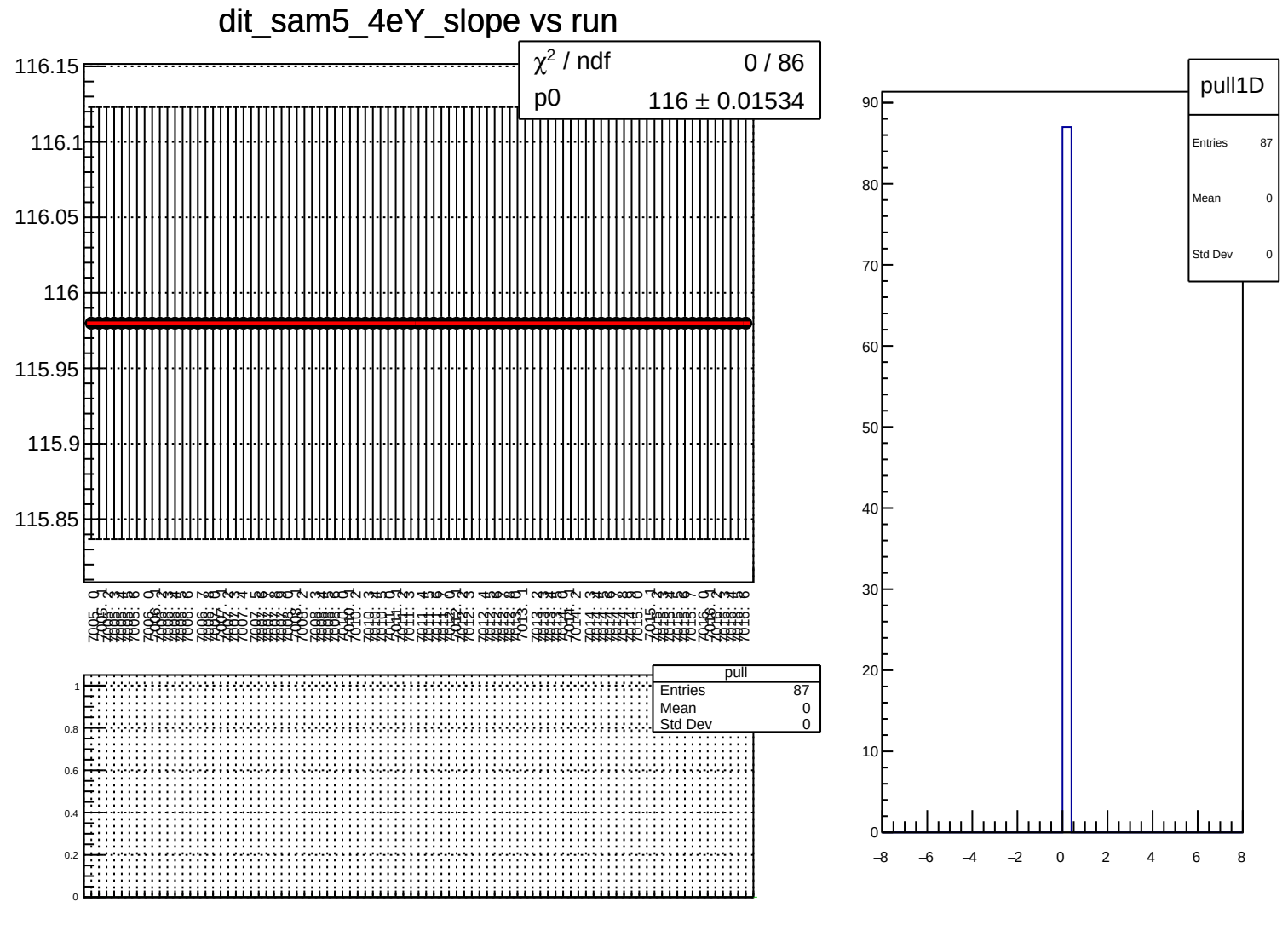

pull1D
Entries 87
Mean 6.3e−15
Std Dev1.297e−22

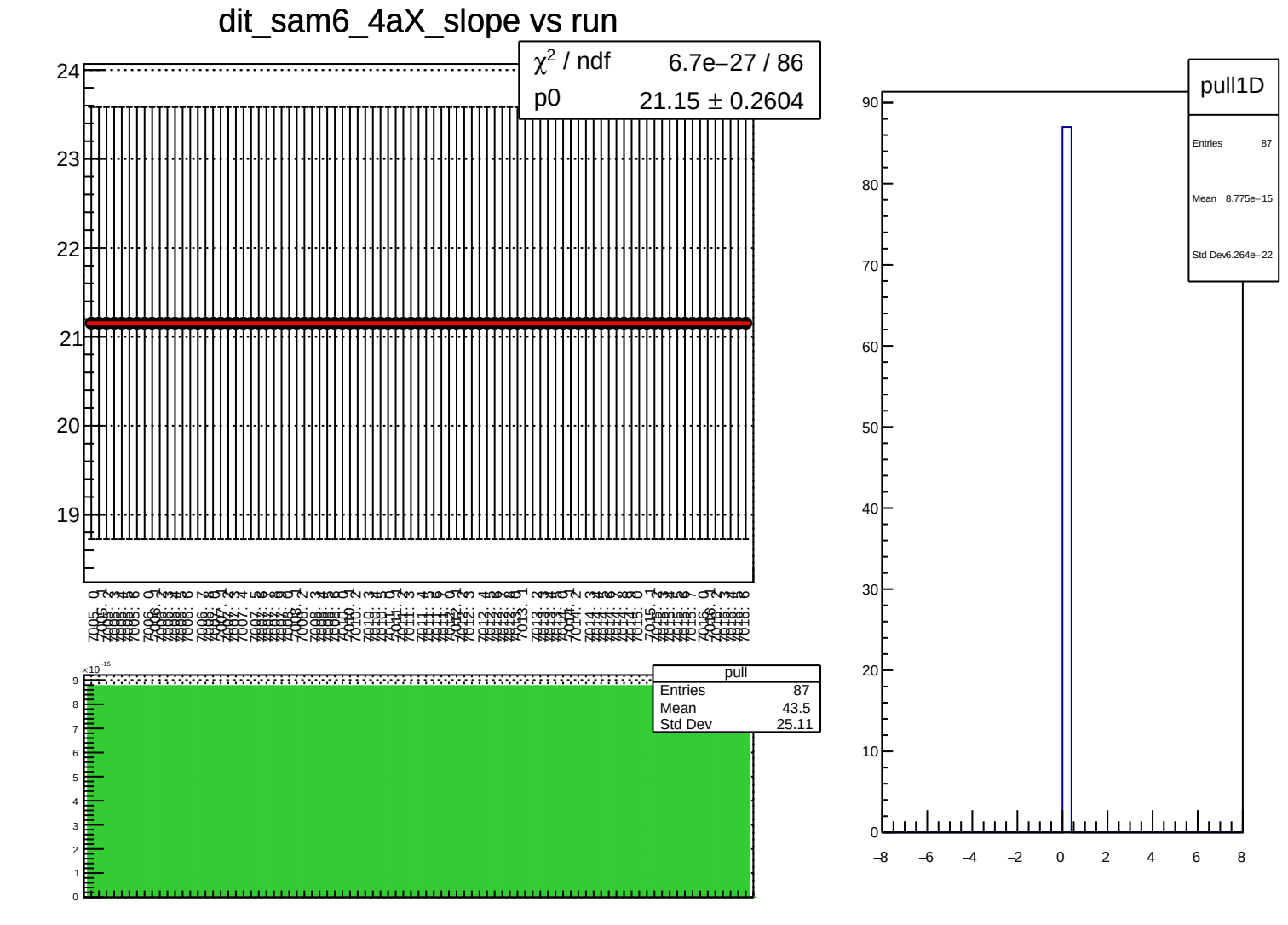

dit_sam5_4eX_slope vs run
χ² / ndf 3.436e−27 / 86
p0 6.856 ± 0.06061
7.4
7.2
7
6.8
6.6
6.4
6.2
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −6.284e−15
Std Dev2.483e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

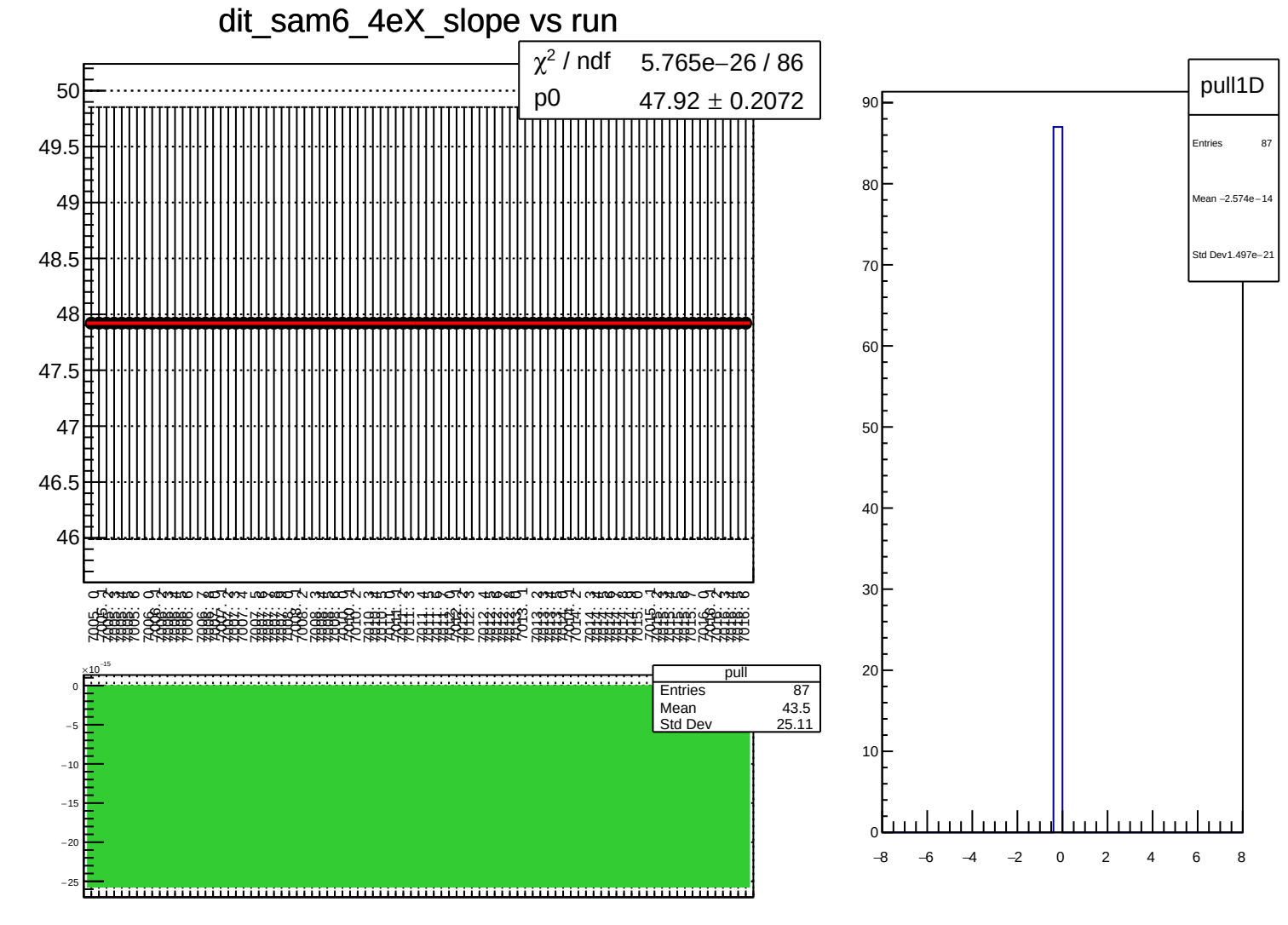

dit_sam5_11X12X_slope vs run
χ² / ndf 3.242e−25 / 86
p0 0.3349 ± 0.001755
0.35
0.345
0.34
0.335
0.33
0.325
0.32
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

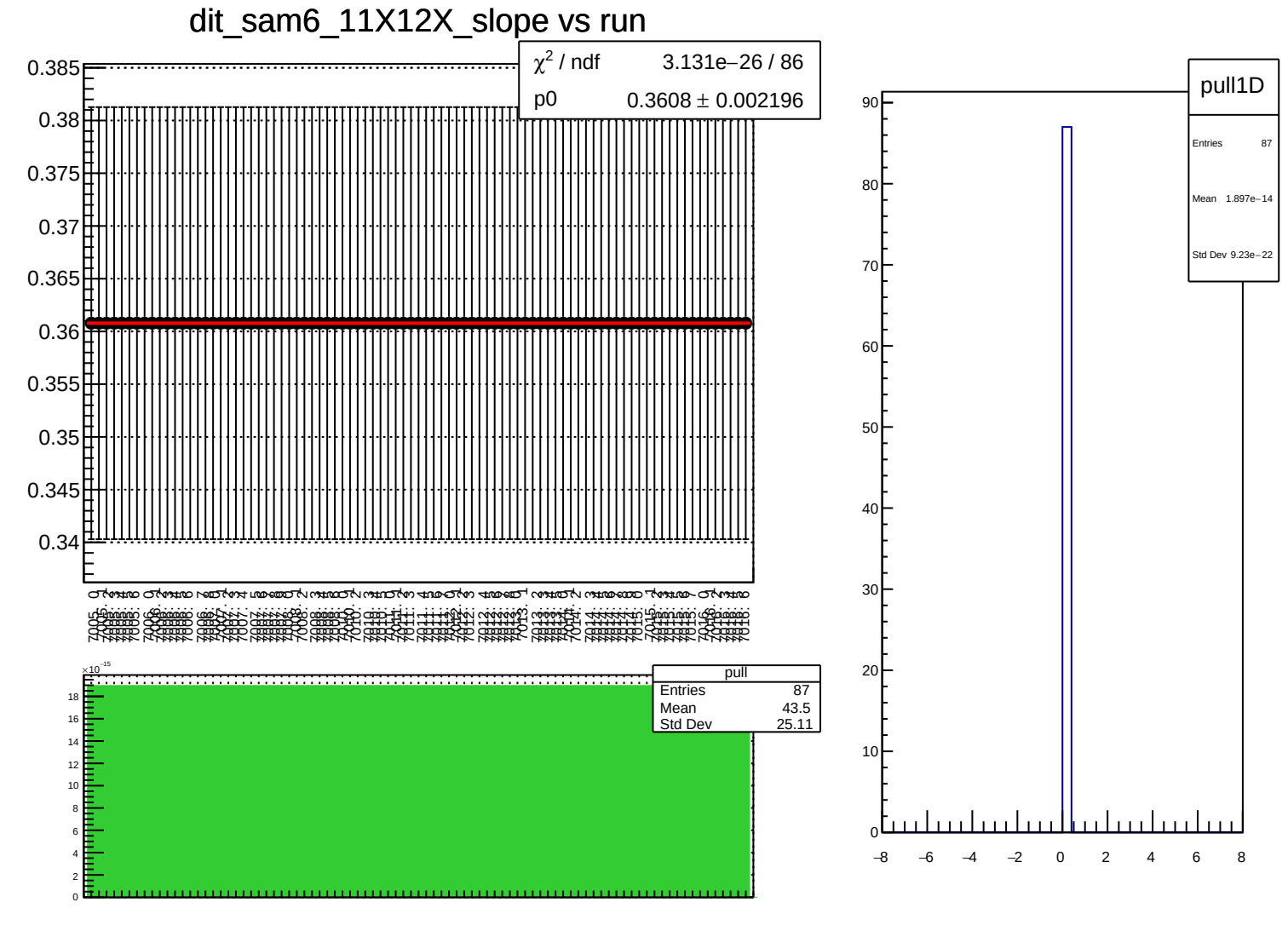

pull1D
Entries 87
Mean −6.104e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

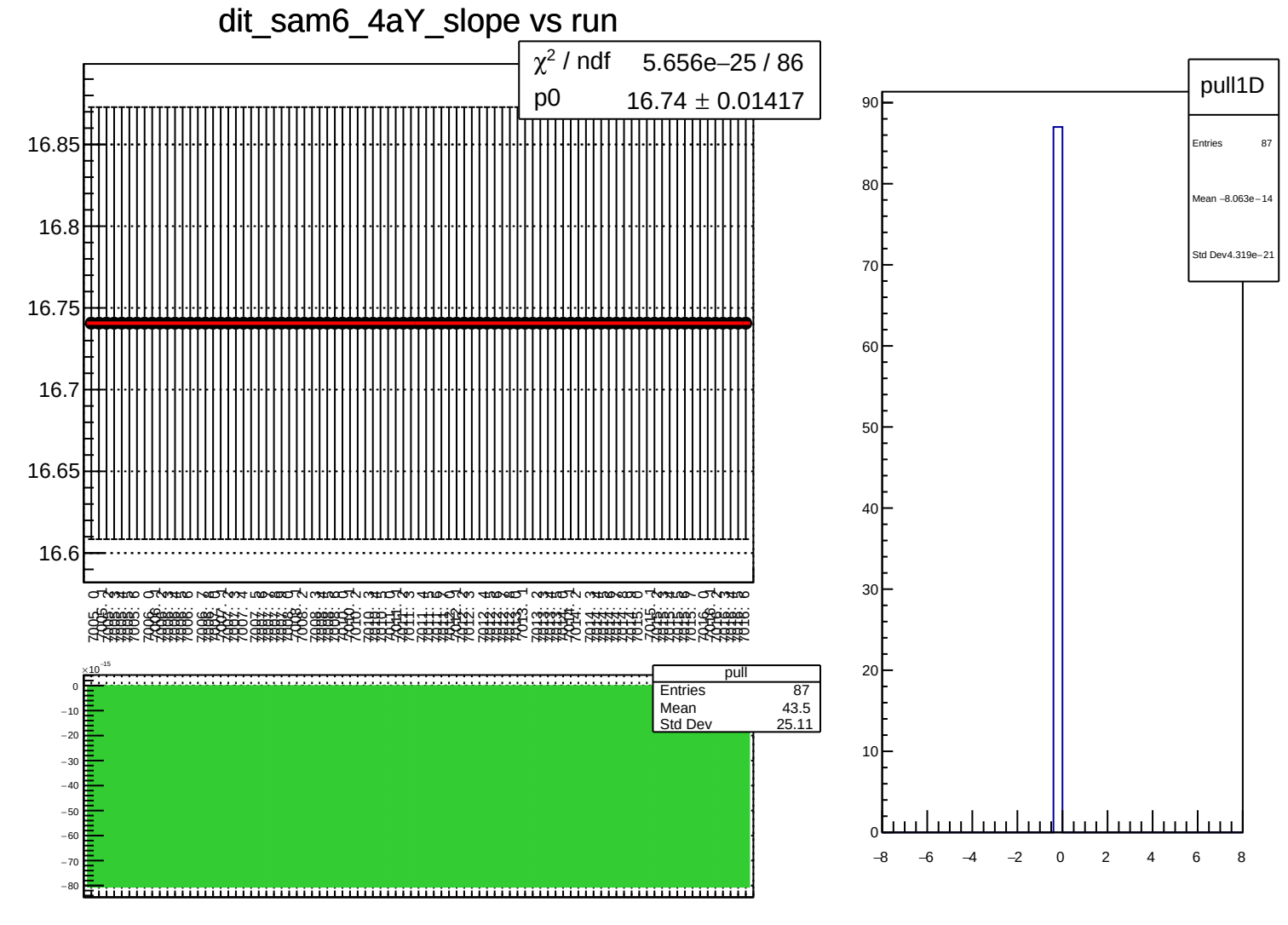

dit_sam5_4aY_slope vs run
χ² / ndf 1.24e−23 / 86
p0 32.22 ± 0.01009
32.32
32.3
32.28
32.26
32.24
32.22
32.2
32.18
32.16
32.14
32.12
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −3.776e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4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

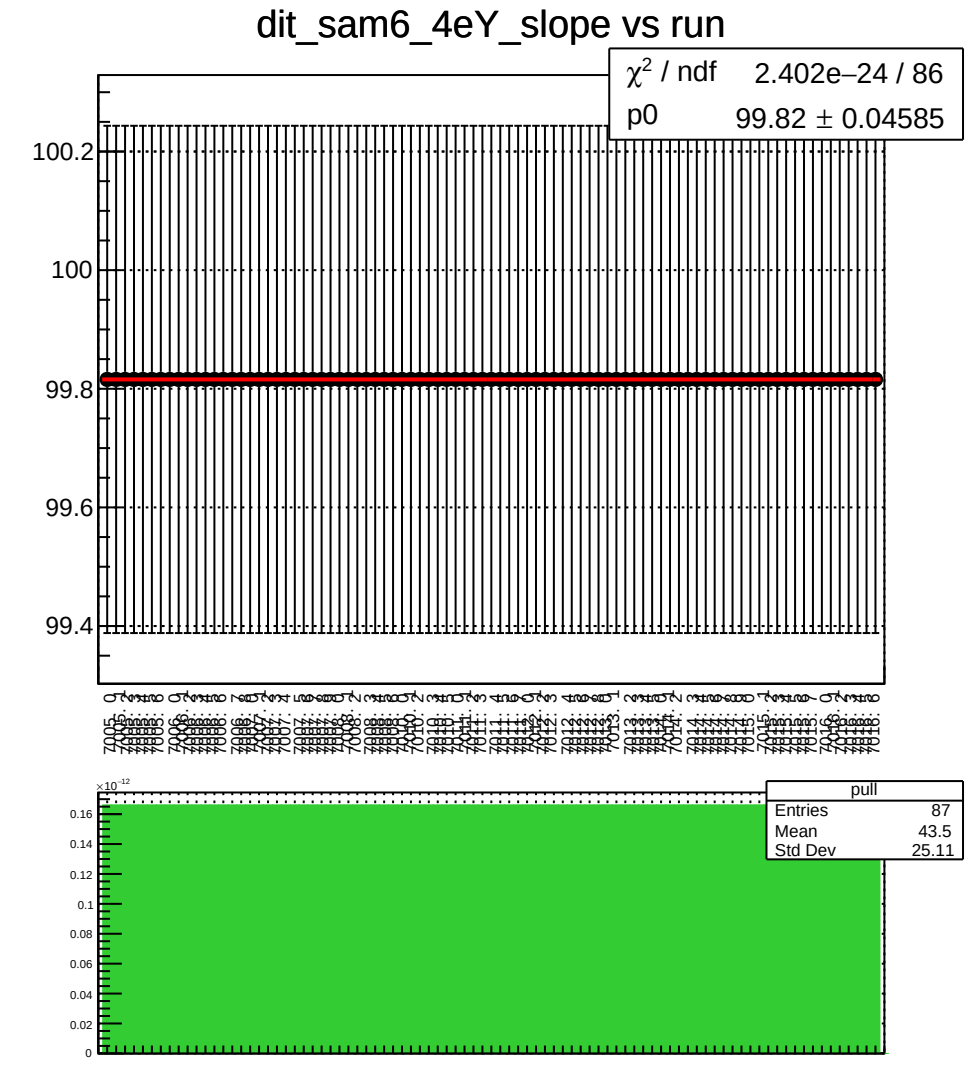

dit_sam5_4eY_slope vs run
χ² / ndf 0 / 86
p0 116 ± 0.01534
116.15
116.1
116.05
116
115.95
115.9
115.85
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

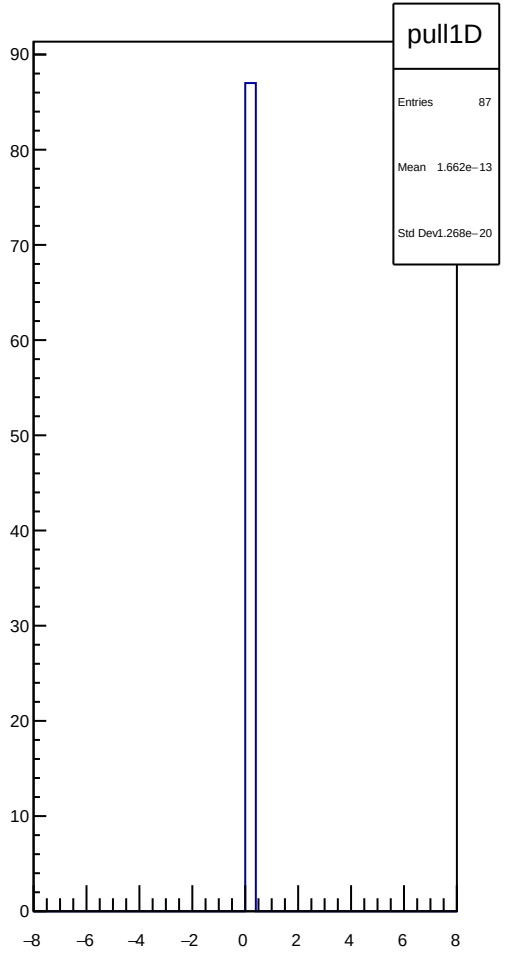

dit_sam6_4aX_slope vs run
χ² / ndf 6.7e−27 / 86
p0 21.15 ± 0.2604
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 8.775e−15
Std Dev 6.264e−22

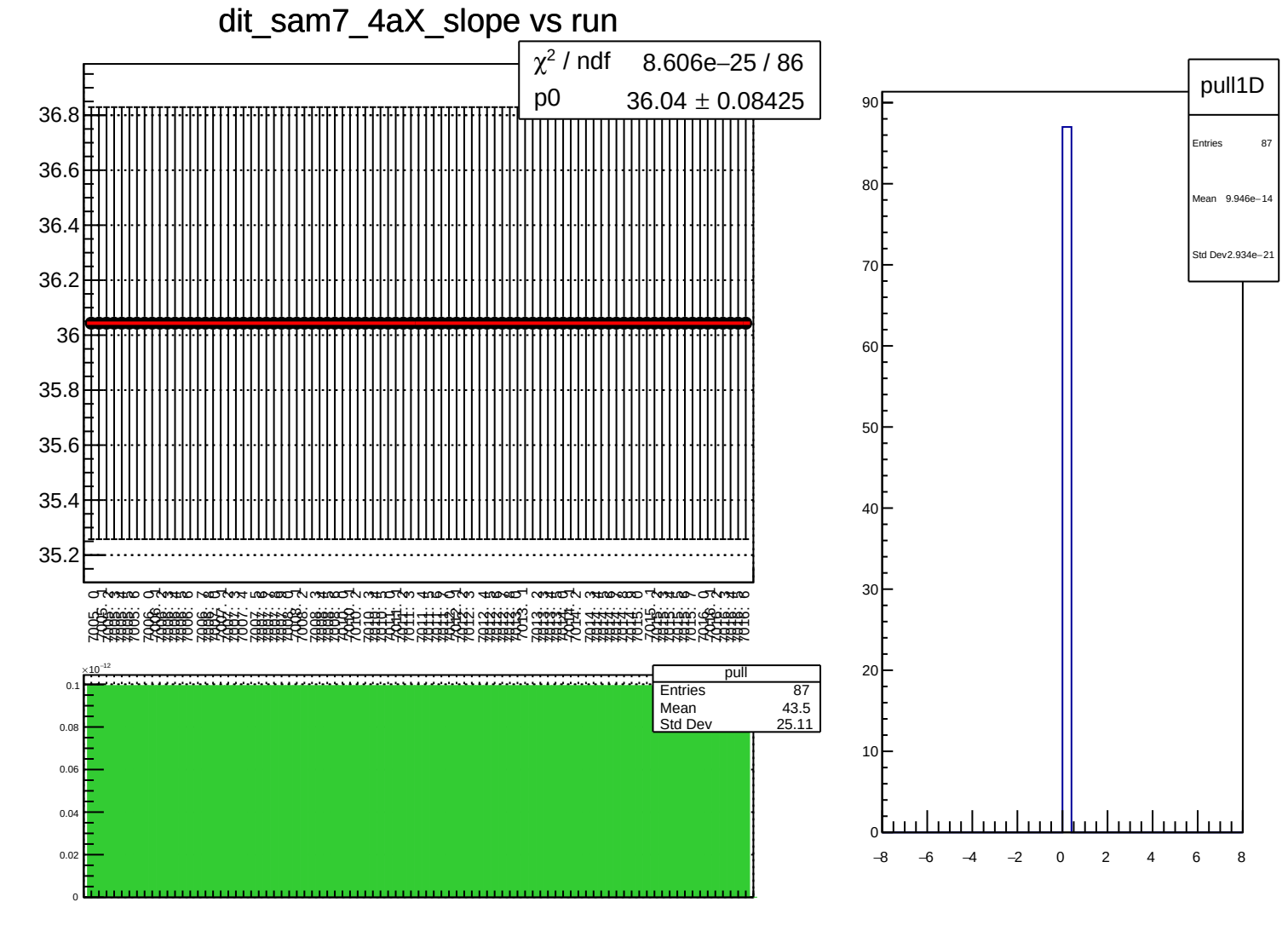

dit_sam6_4eX_slope vs run
χ² / ndf 5.765e−26 / 86
p0 47.92 ± 0.2072
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean −2.574e−14
Std Dev1.497e−21

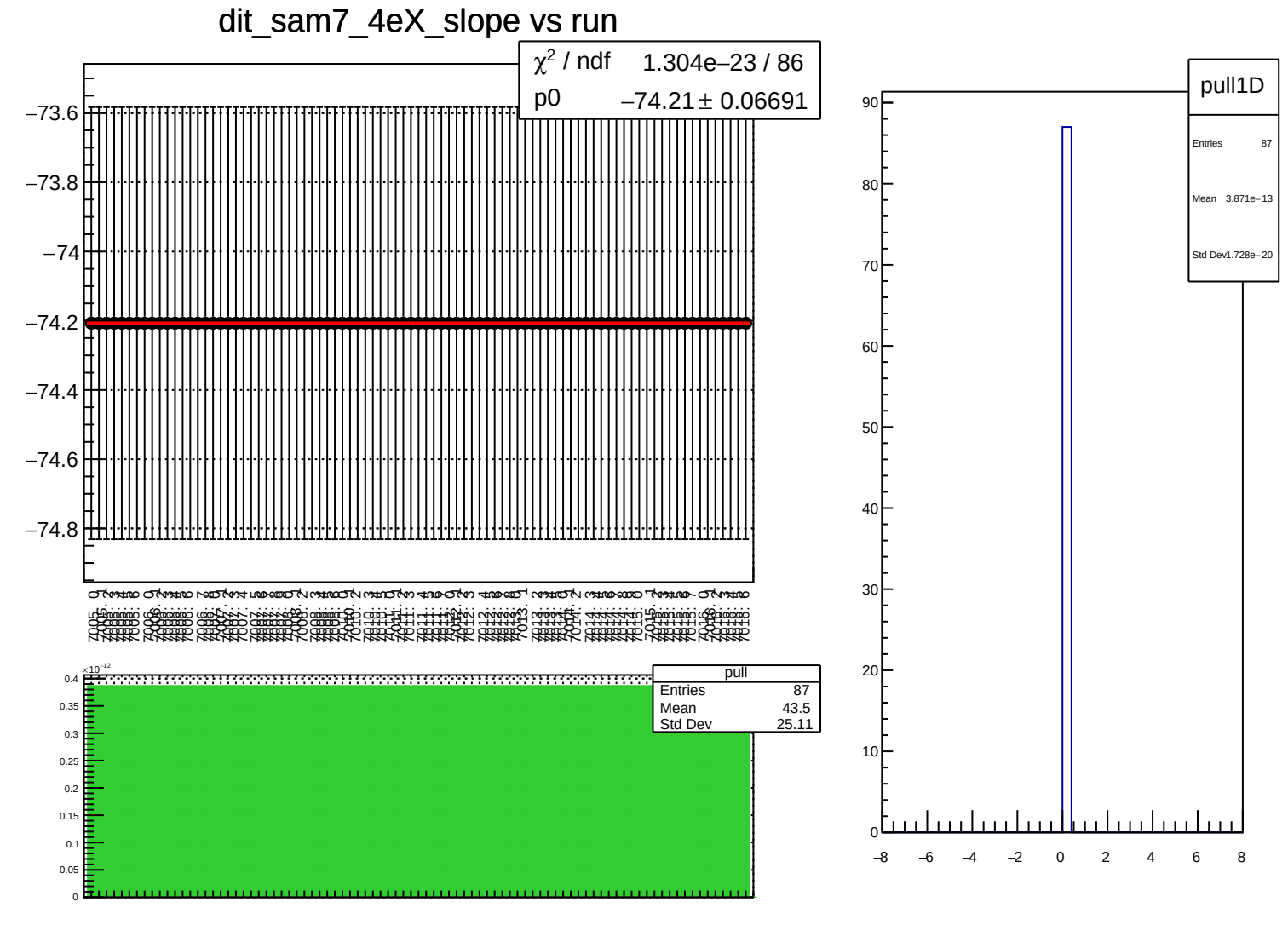

dit_sam6_11X12X_slope vs run
χ² / ndf 3.131e−26 / 86
p0 0.3608 ± 0.002196
0.385
0.38
0.375
0.37
0.365
0.36
0.355
0.35
0.345
0.34
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 87
Mean 1.897e−14
Std Dev 9.23e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

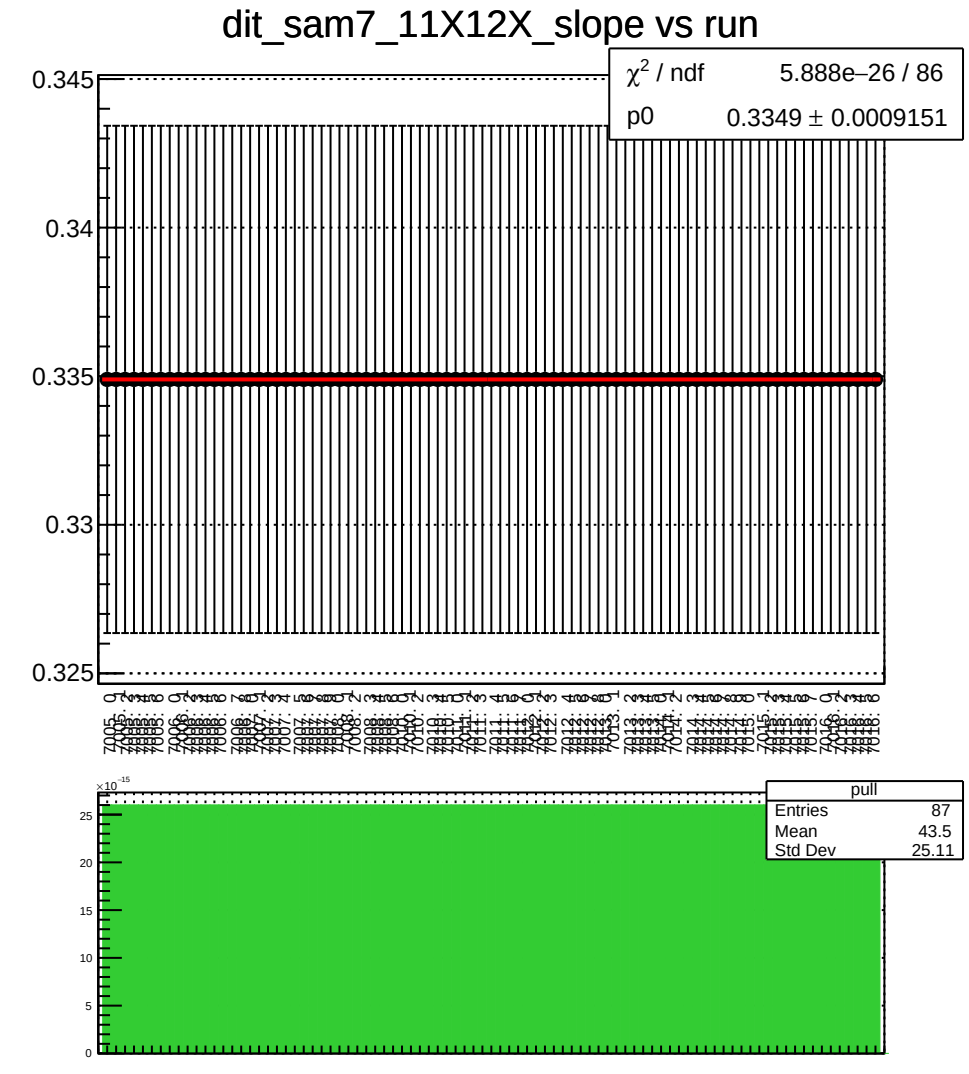

dit_sam6_4aY_slope vs run
χ² / ndf 5.656e−25 / 86
p0 16.74 ± 0.01417
16.85
16.8
16.75
16.7
16.65
16.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 87
Mean −8.063e−14
Std Dev4.319e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

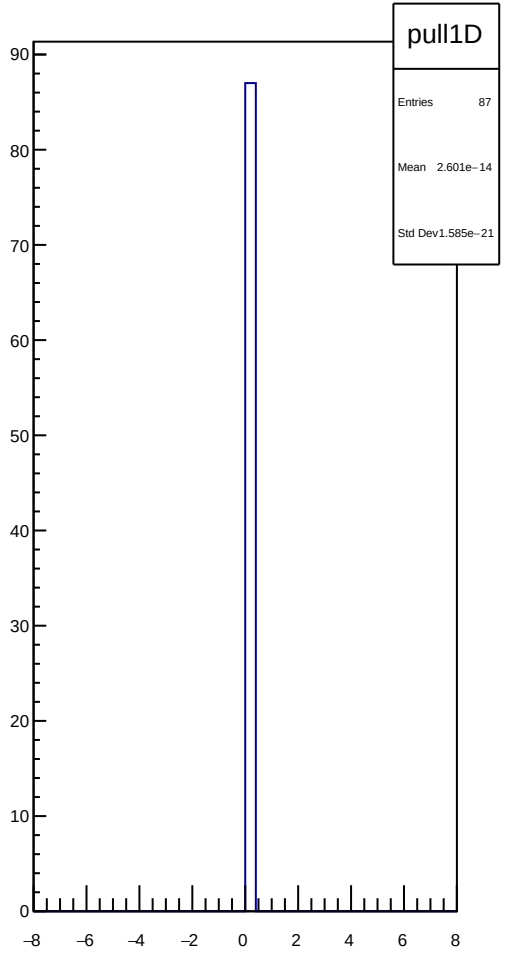

dit_sam6_4eY_slope vs run
χ² / ndf 2.402e−24 / 86
p0 99.82 ± 0.04585
100.2
100
99.8
99.6
99.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

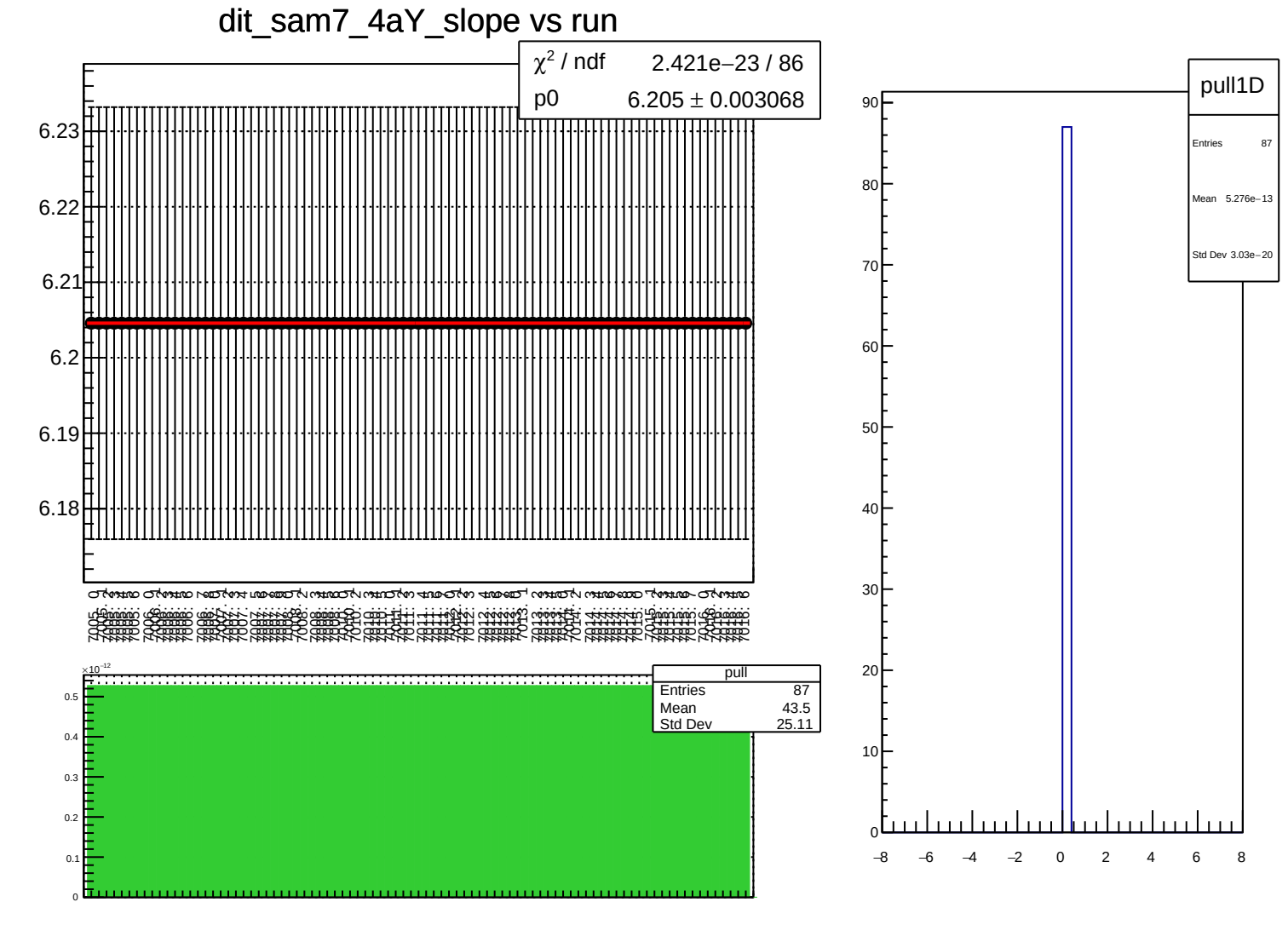

pull1D
Entries 87
Mean 1.662e−13
Std Dev 1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

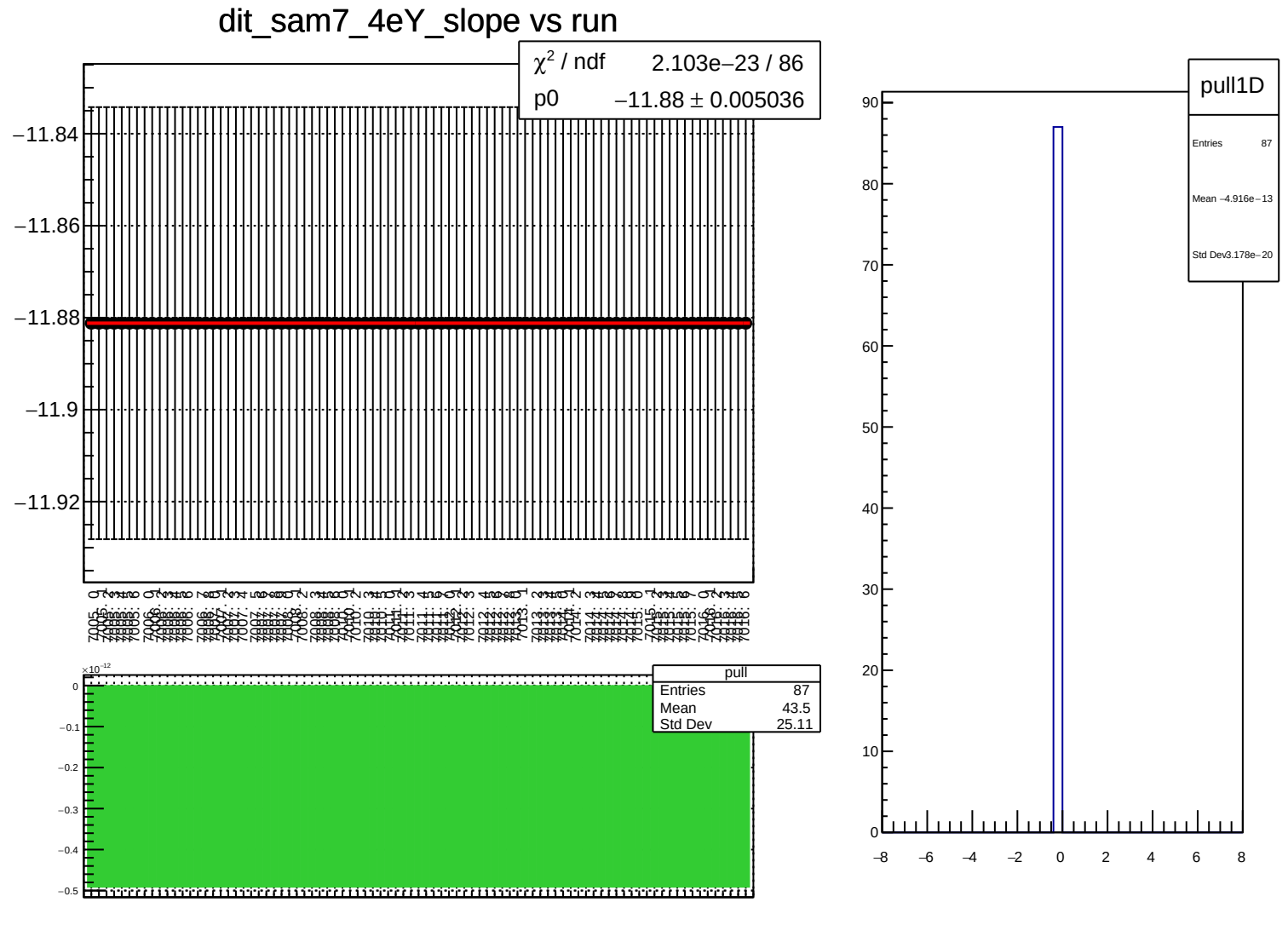

dit_sam7_4aX_slope vs run
χ² / ndf 8.606e−25 / 86
p0 36.04 ± 0.08425
36.8
36.6
36.4
36.2
36
35.8
35.6
35.4
35.2
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 9.946e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

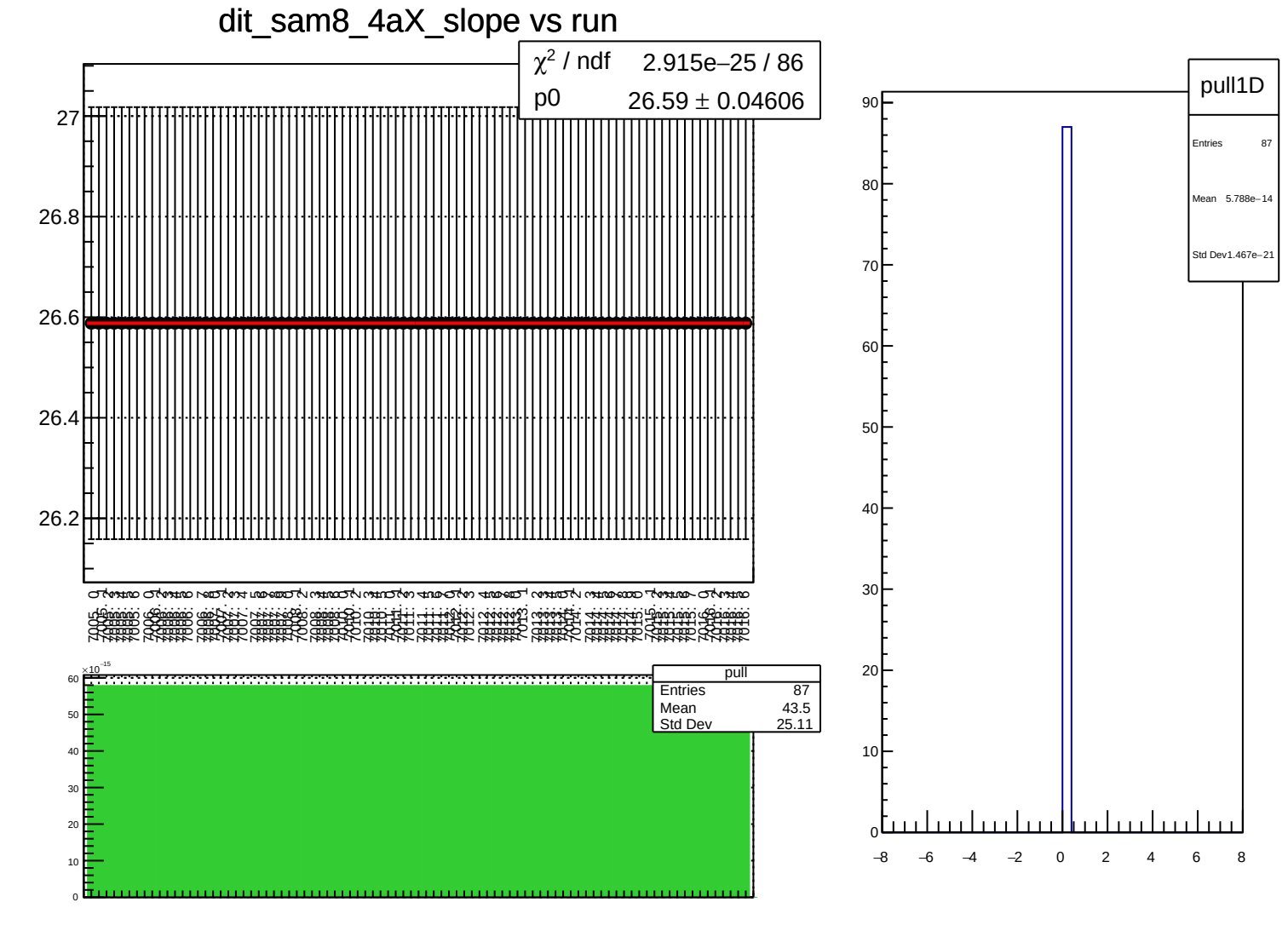

dit_sam7_4eX_slope vs run
χ² / ndf 1.304e−23 / 86
p0 −74.21 ± 0.06691
−73.6
−73.8
−74
−74.2
−74.4
−74.6
−74.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 87
Mean 3.871e−13
Std Dev1.728e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

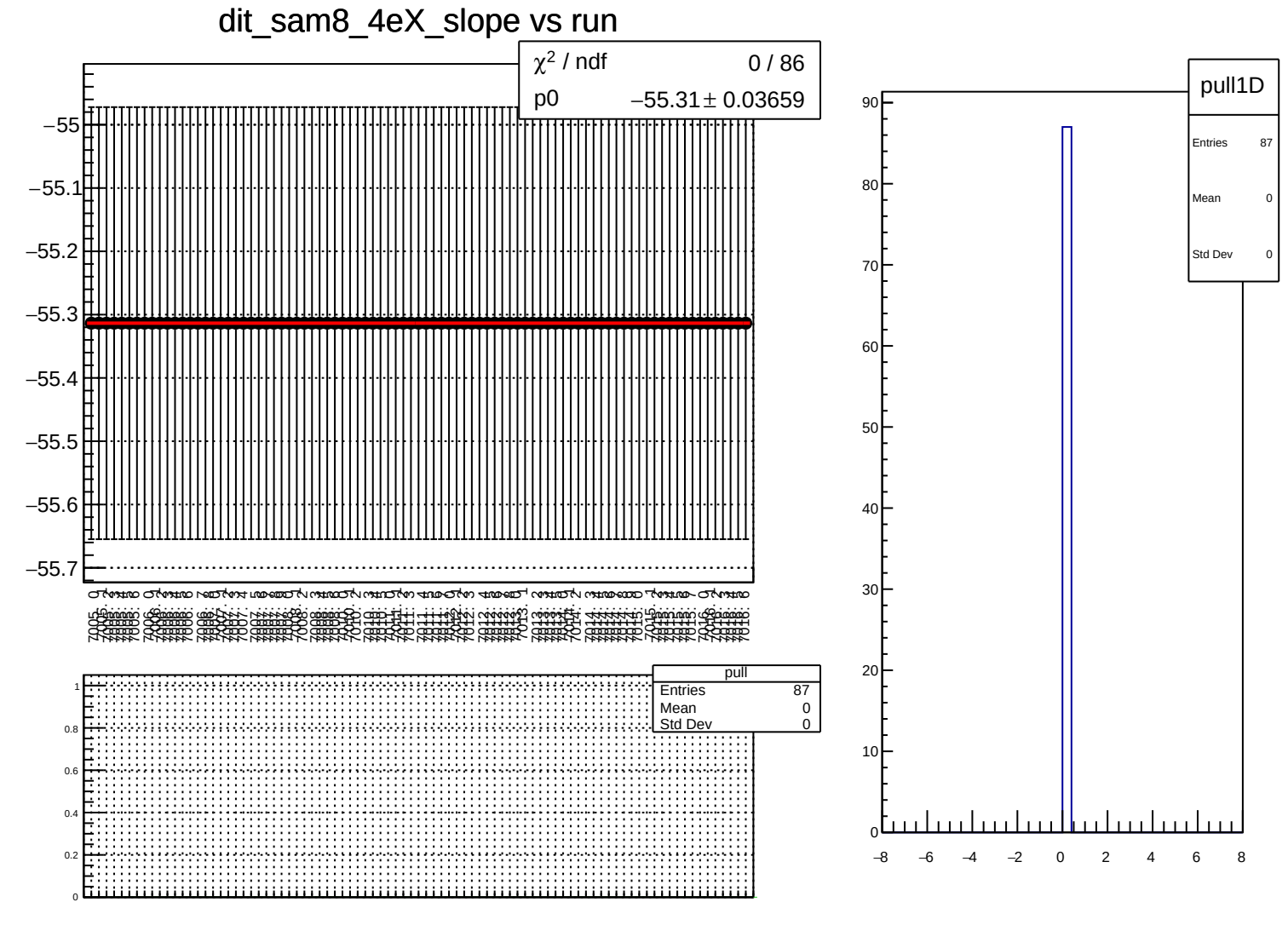

dit_sam7_11X12X_slope vs run
χ² / ndf 5.888e−26 / 86
p0 0.3349 ± 0.0009151
0.345
0.34
0.335
0.33
0.325
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
25
20
15
10
5
0

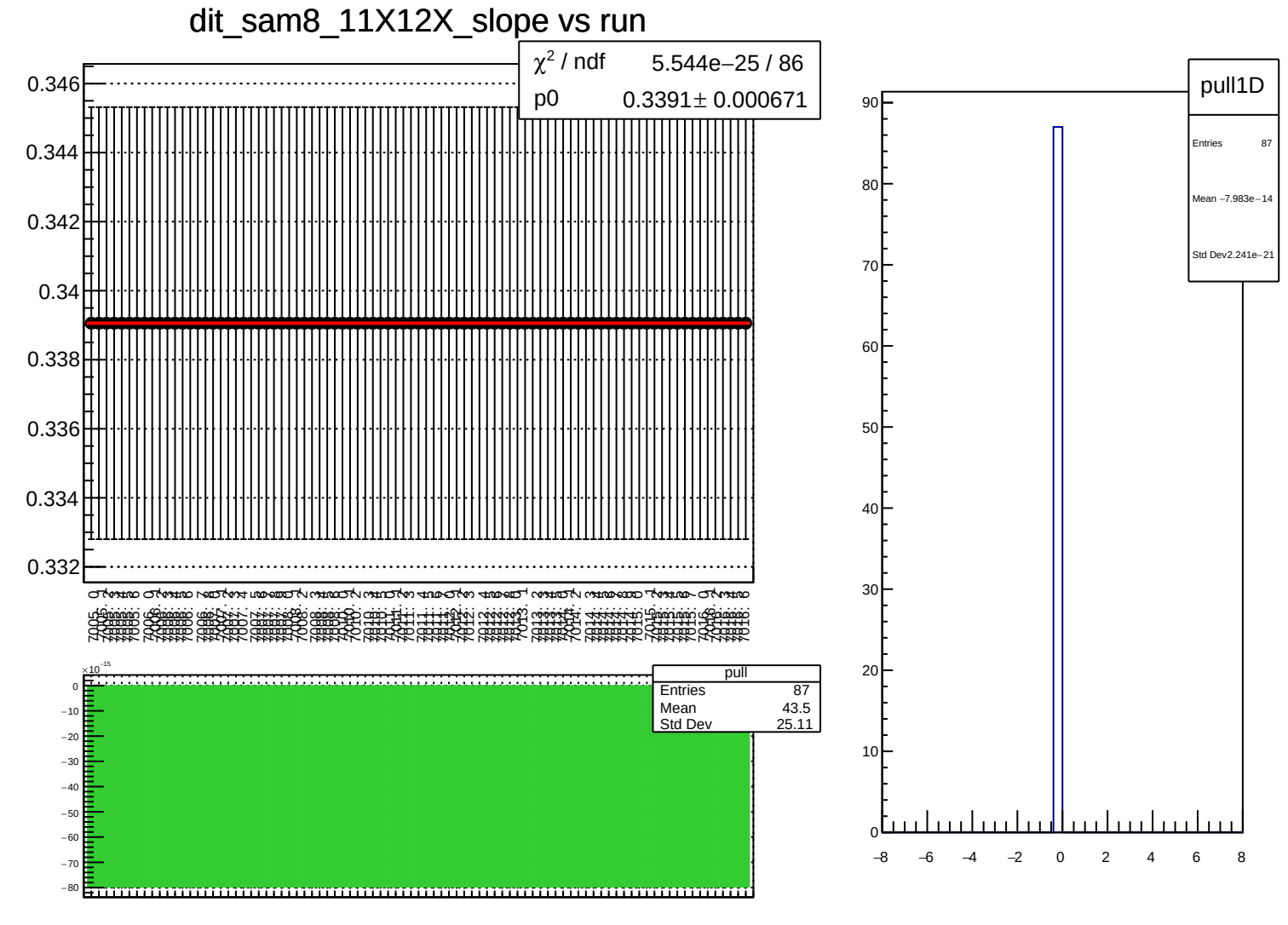

pull1D
Entries 87
Mean 2.601e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

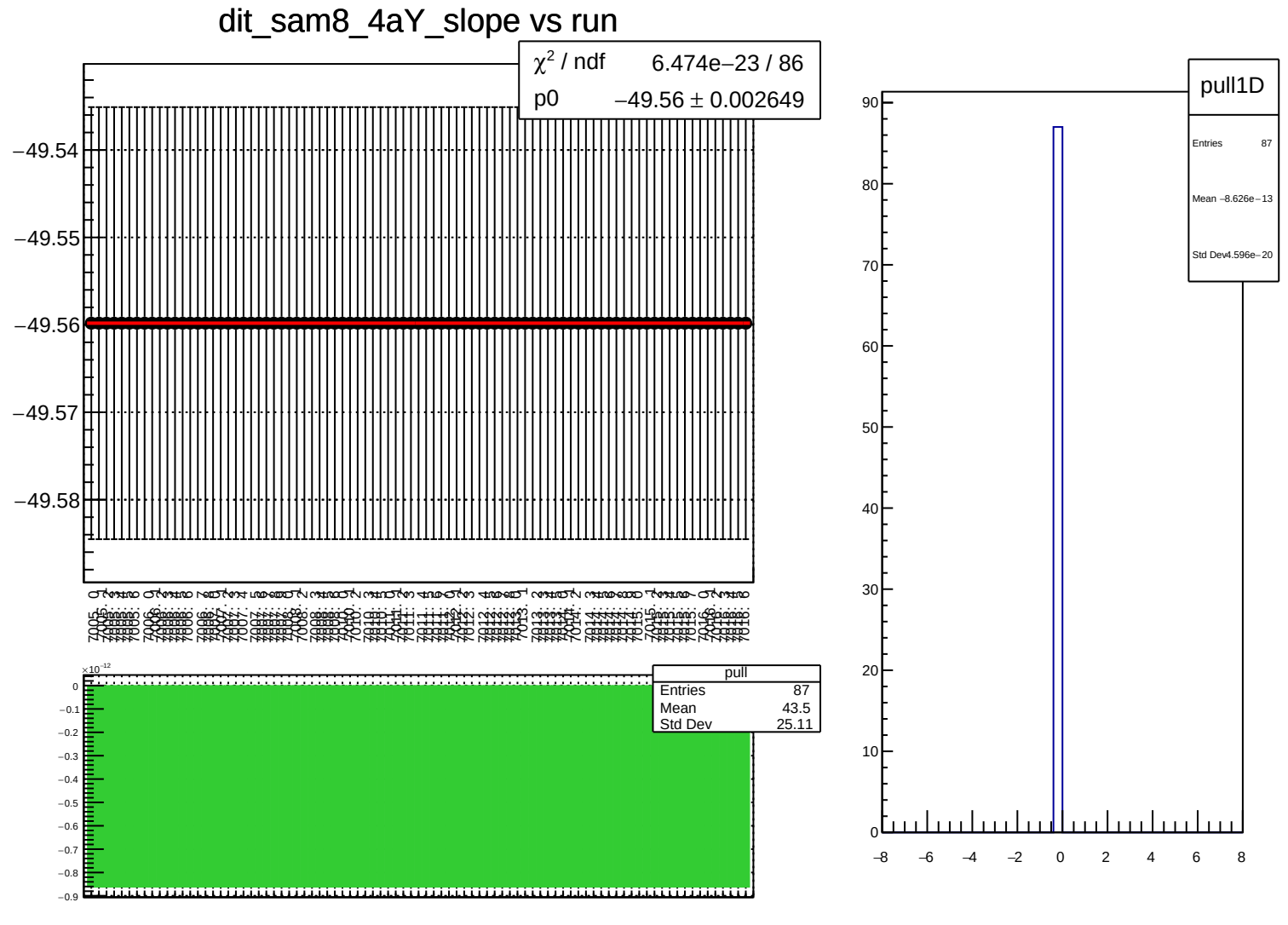

dit_sam7_4aY_slope vs run
χ² / ndf 2.421e−23 / 86
p0 6.205 ± 0.003068
6.23
6.22
6.21
6.2
6.19
6.18
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 87
Mean 43.5
Std Dev 25.11
pull1D
Entries 87
Mean 5.276e−13
Std Dev 3.03e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

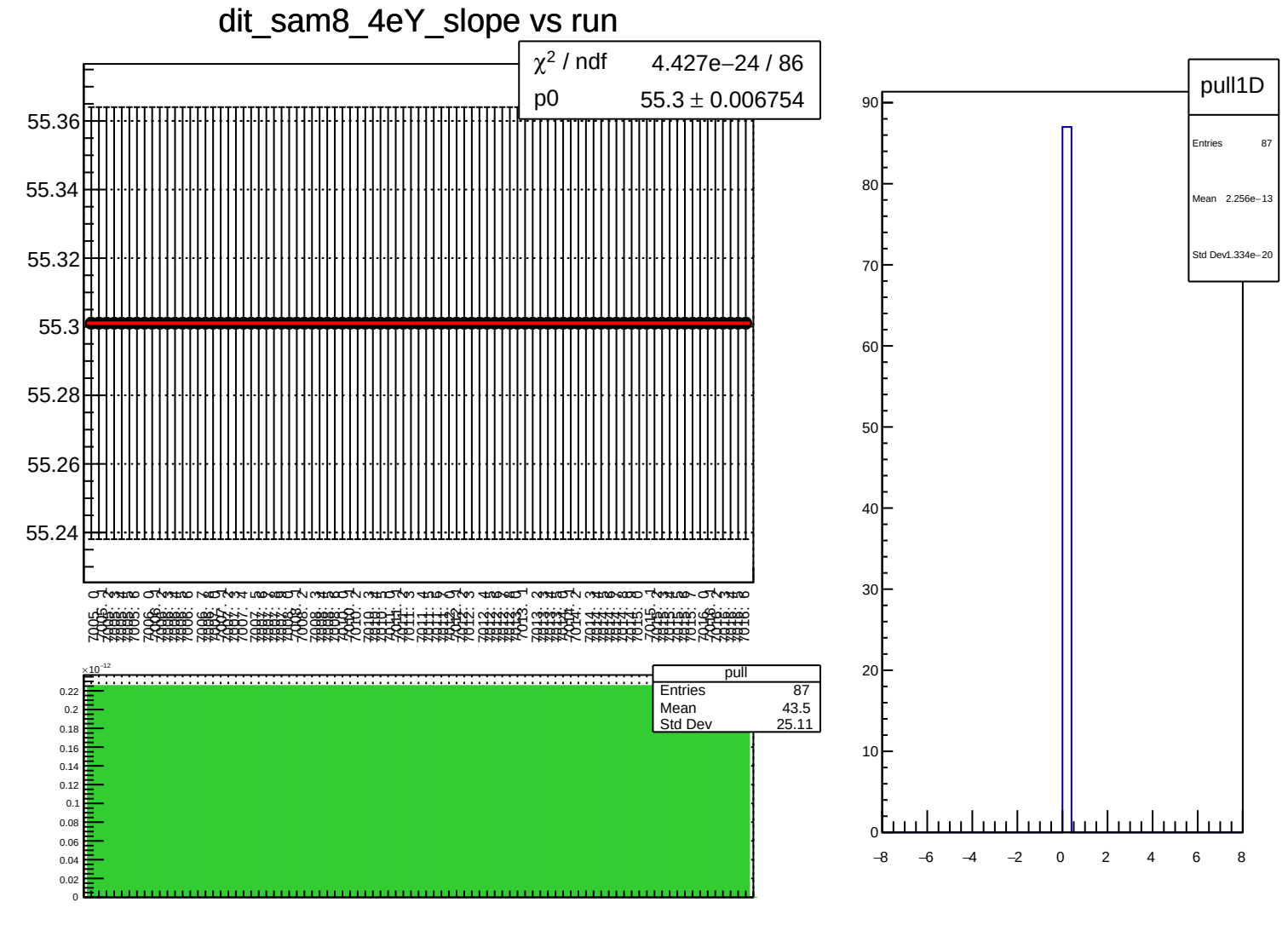

dit_sam7_4eY_slope vs run
χ² / ndf 2.103e−23 / 86
p0 −11.88 ± 0.005036
−11.84
−11.86
−11.88
−11.9
−11.92
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 87
Mean −4.916e−13
Std Dev 3.178e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

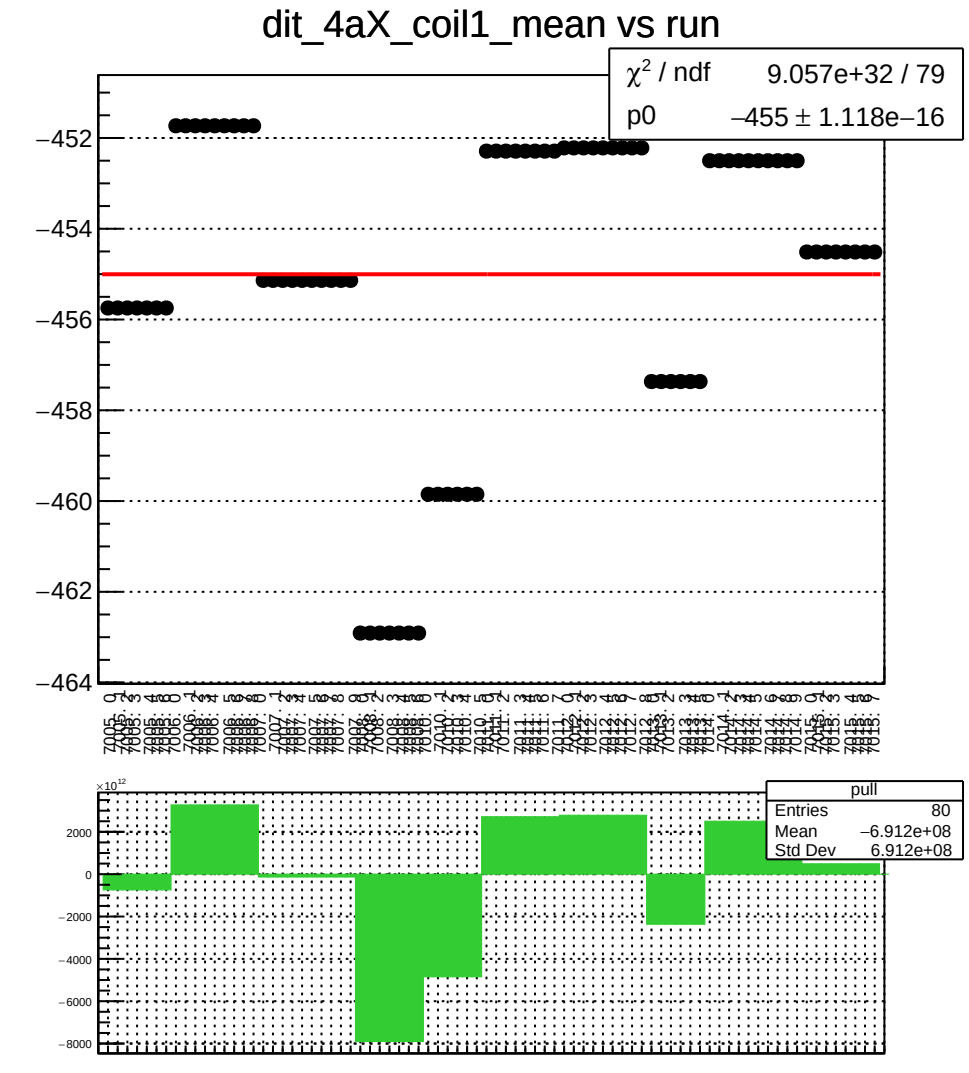

dit_sam8_4aX_slope vs run
χ² / ndf 2.915e−25 / 86
p0 26.59 ± 0.04606
27
26.8
26.6
26.4
26.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 87
Mean 5.788e−14
Std Dev1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

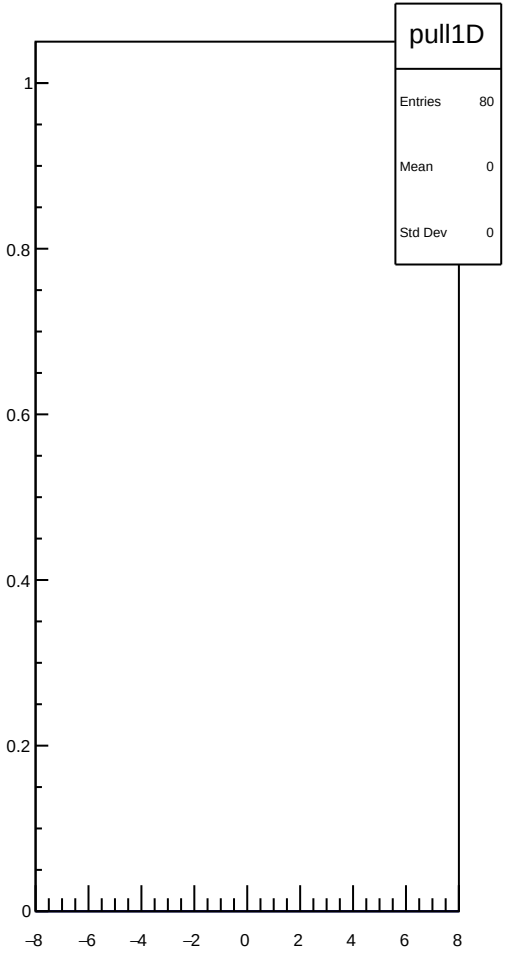

dit_sam8_4eX_slope vs run
χ² / ndf 0 / 86
p0 −55.31 ± 0.03659
−55
−55.1
−55.2
−55.3
−55.4
−55.5
−55.6
−55.7
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


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

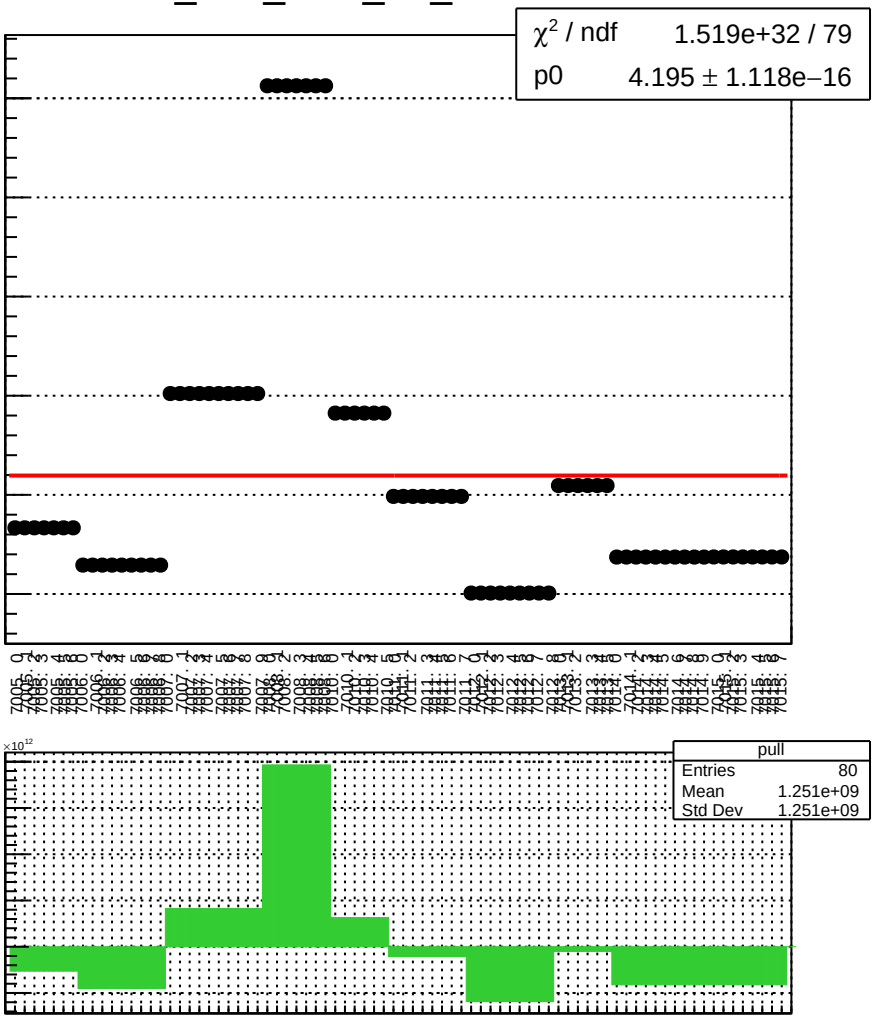

dit_sam8_4aY_slope vs run
χ² / ndf 6.474e−23 / 86
p0 −49.56 ± 0.002649
−49.54
−49.55
−49.56
−49.57
−49.58
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
pull1D
Entries 87
Mean −8.626e−13
Std Dev 4.596e−20

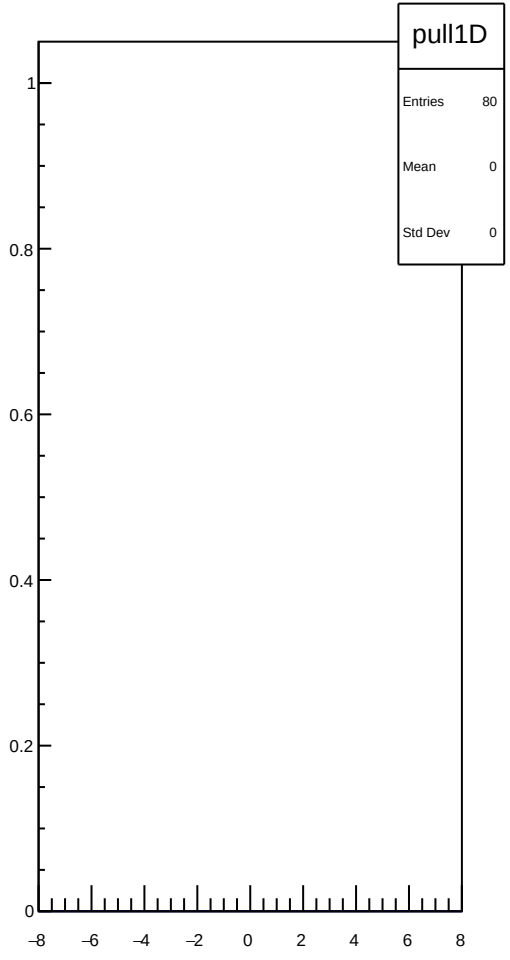

dit_sam8_4eY_slope vs run
χ² / ndf 4.427e−24 / 86
p0 55.3 ± 0.006754
55.36
55.34
55.32
55.3
55.28
55.26
55.24
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 87
Mean 2.256e−13
Std Dev1.334e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2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

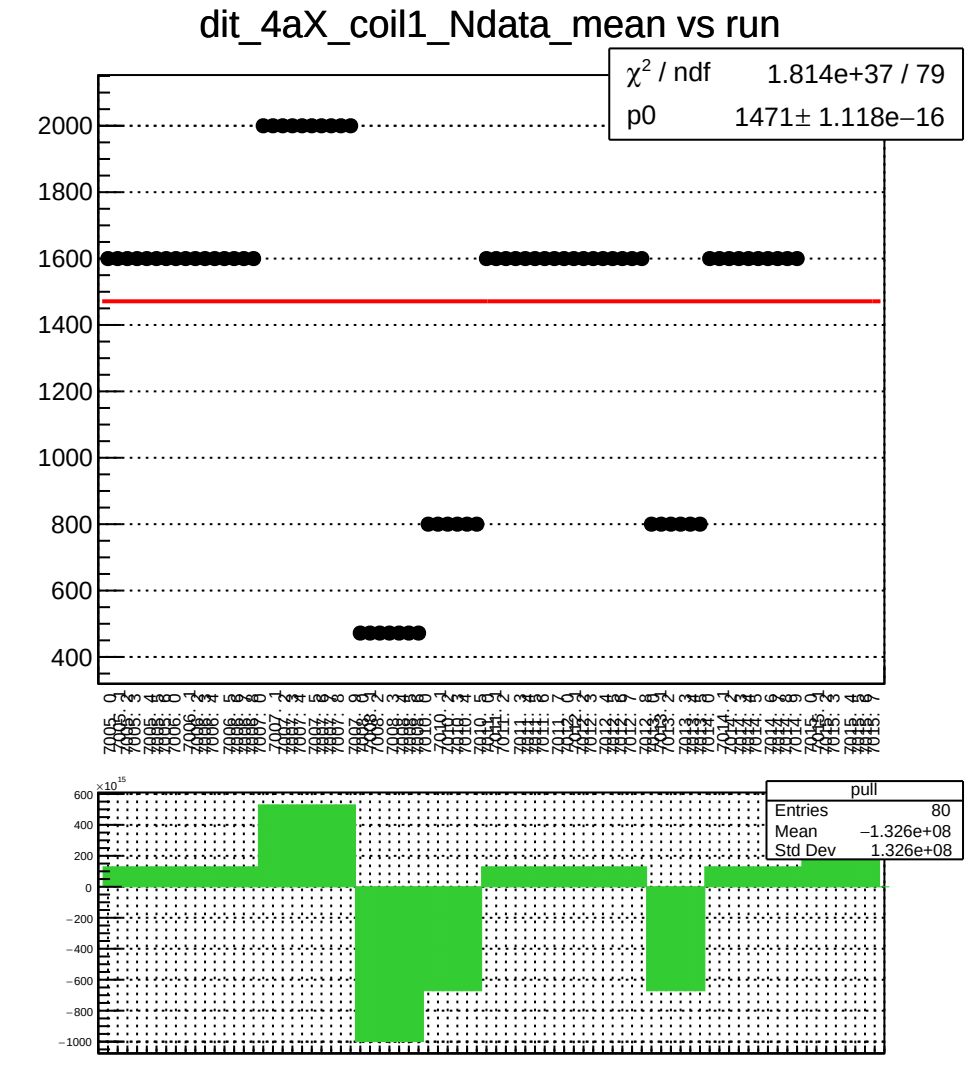

dit_4aX_coil1_mean vs run
χ² / ndf 9.057e+32 / 79
p0 −455 ± 1.118e−16
−452
−454
−456
−458
−460
−462
−464
pull
Entries 80
Mean −6.912e+08
Std Dev 6.912e+08
×10¹²
2000
0
−2000
−4000
−6000
−8000

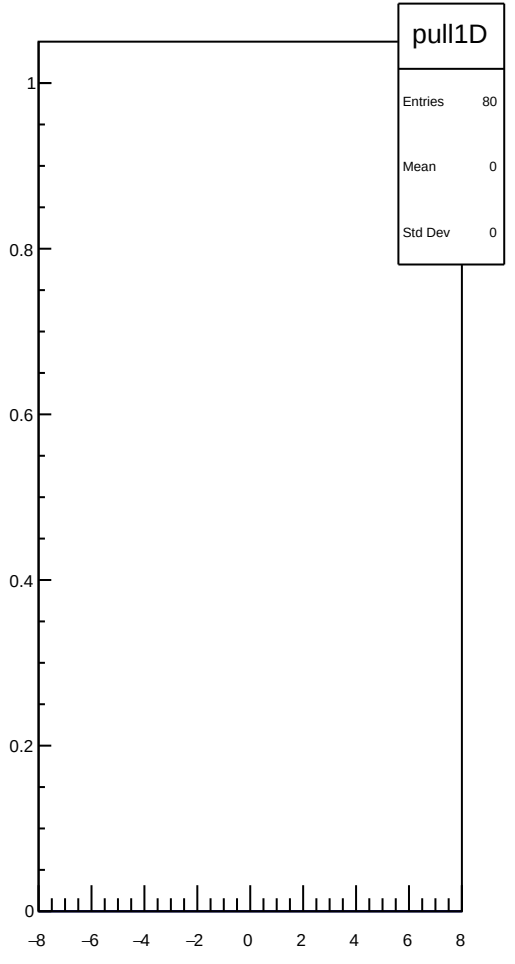

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

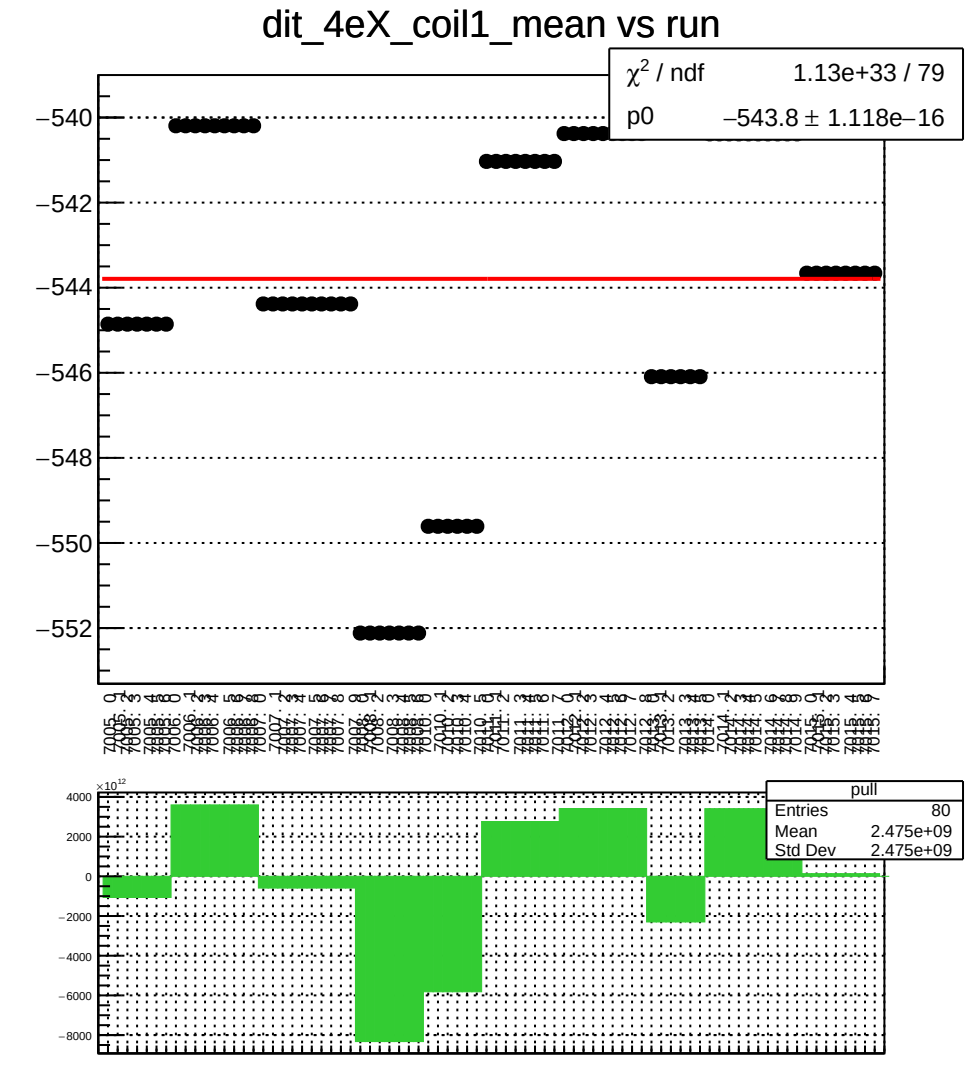
dit_4aX_coil1_err_mean vs run

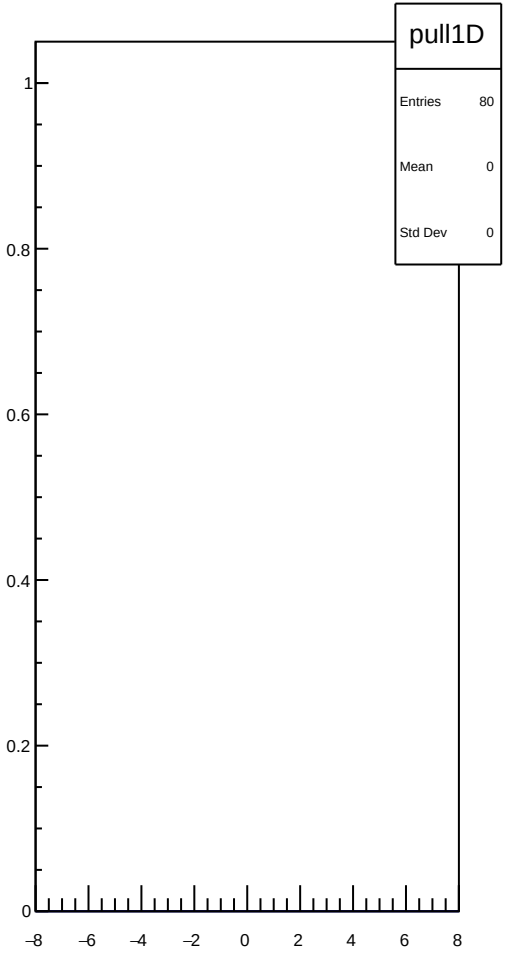


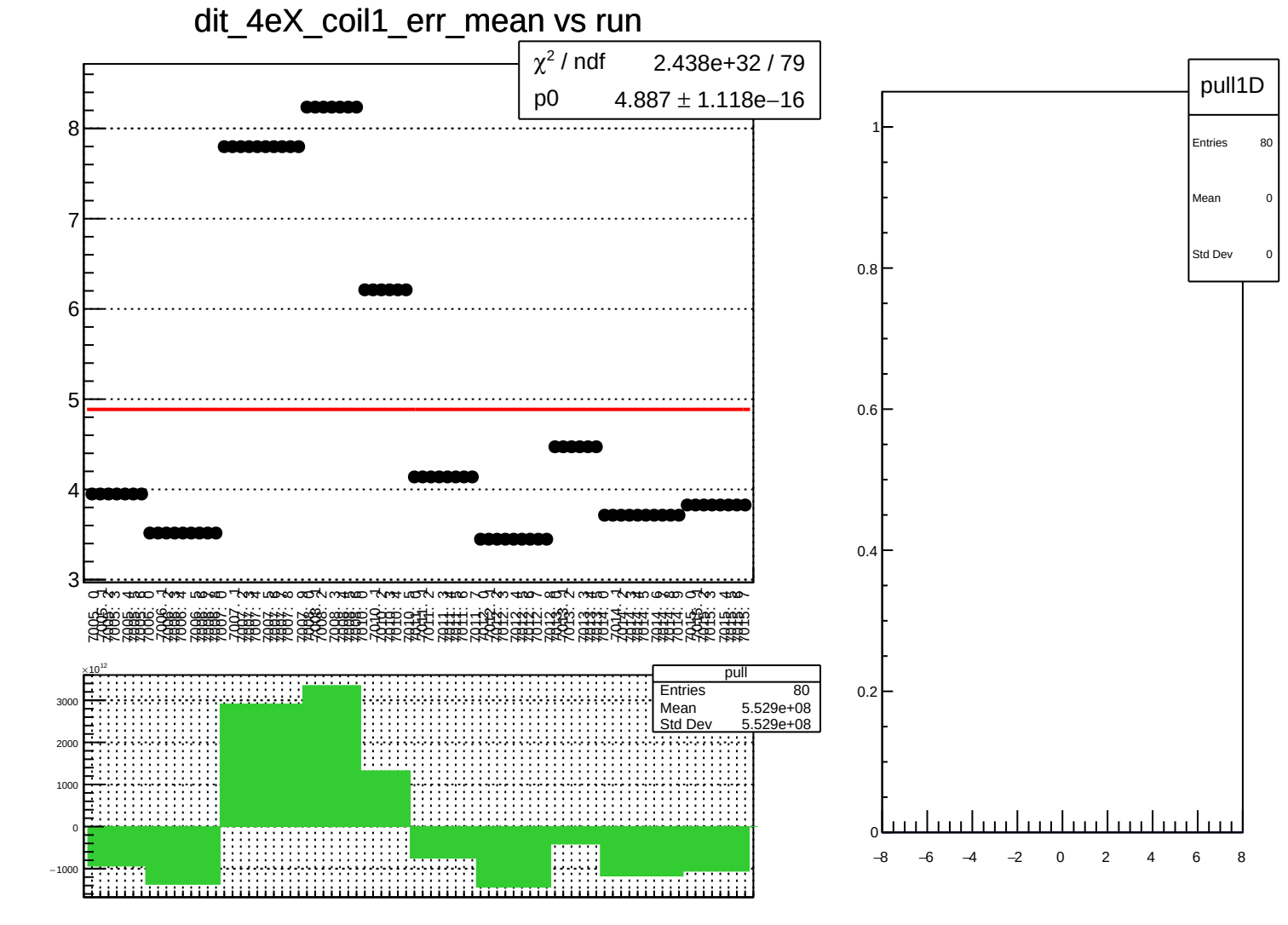


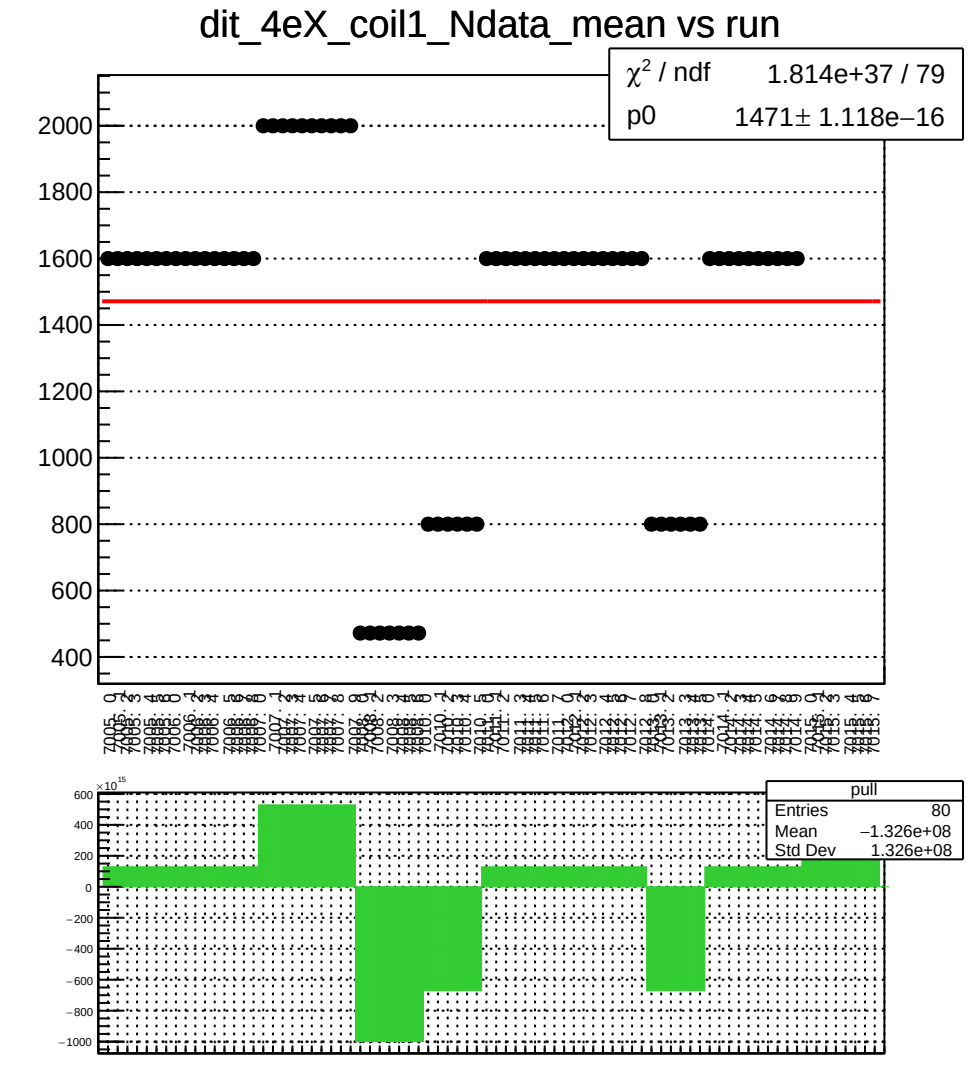

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

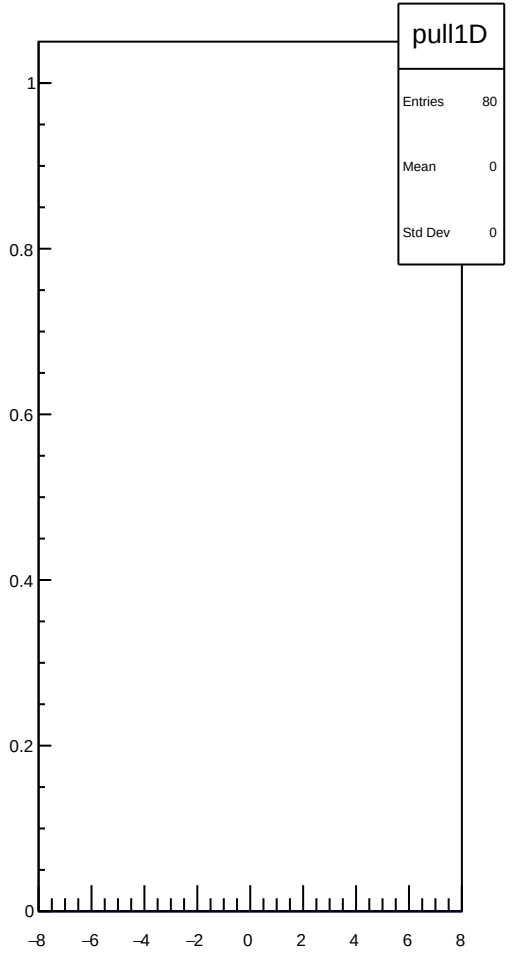

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

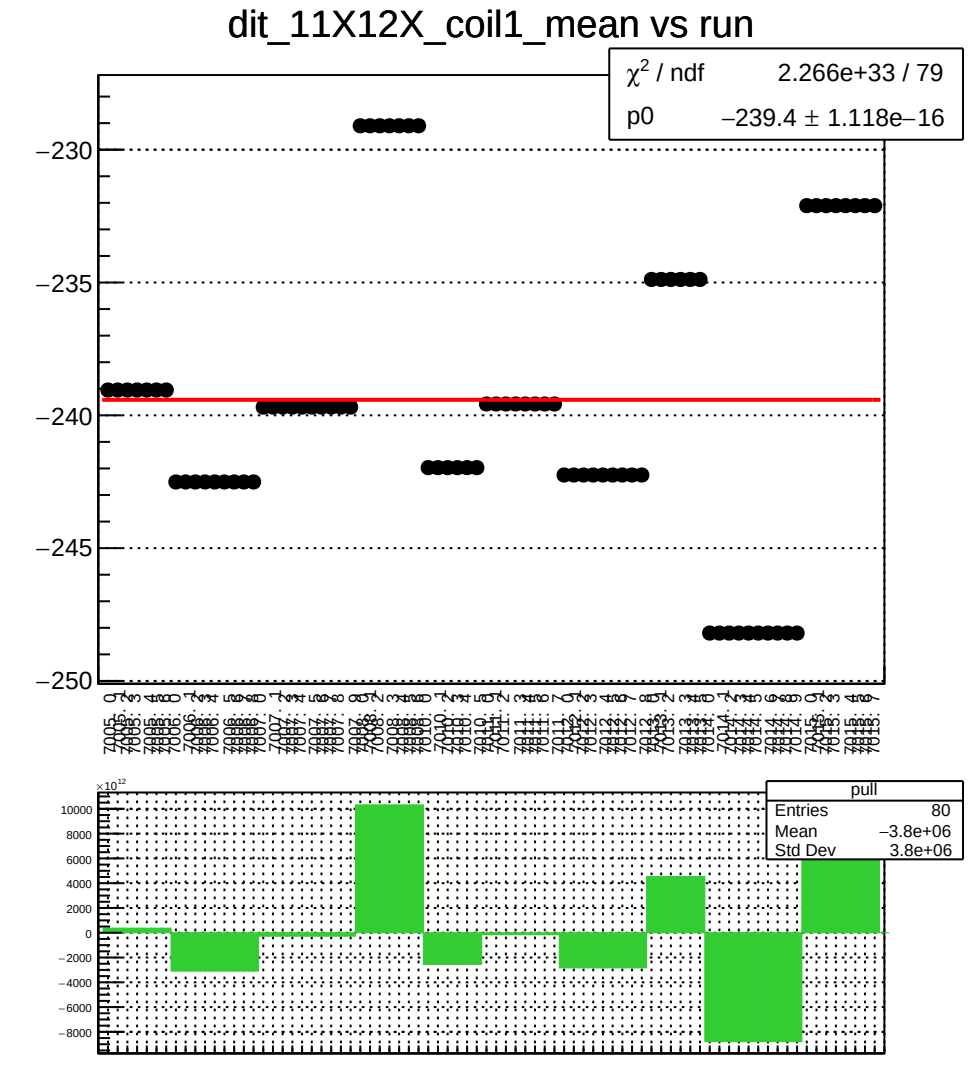

dit_4eX_coil1_mean vs run
χ² / ndf 1.13e+33 / 79
p0 −543.8 ± 1.118e−16
−540
−542
−544
−546
−548
−550
−552
pull
Entries 80
Mean 2.475e+09
Std Dev 2.475e+09
×10¹²
4000
2000
0
−2000
−4000
−6000
−8000

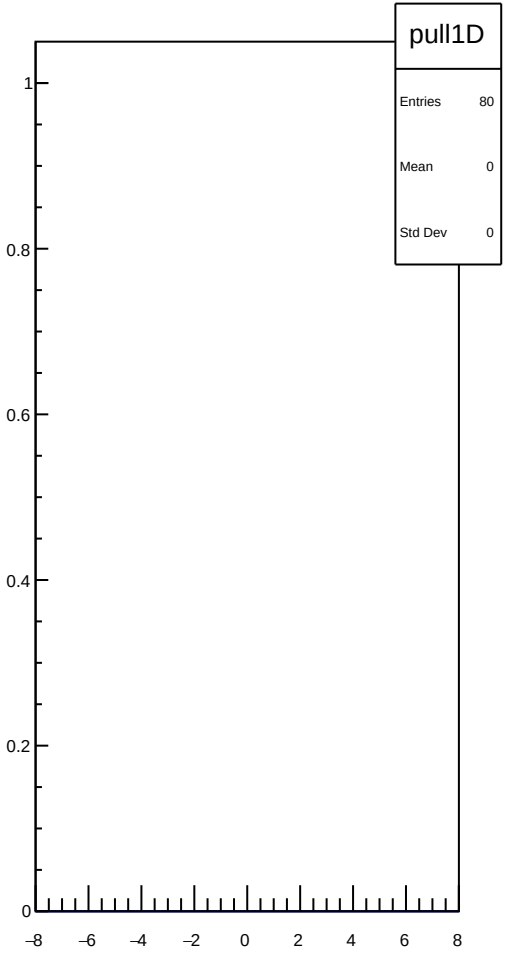

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eX_coil1_err_mean vs run
χ² / ndf 2.438e+32 / 79
p0 4.887 ± 1.118e−16
pull
Entries 80
Mean 5.529e+08
Std Dev 5.529e+08
pull1D
Entries 80
Mean 0
Std Dev 0

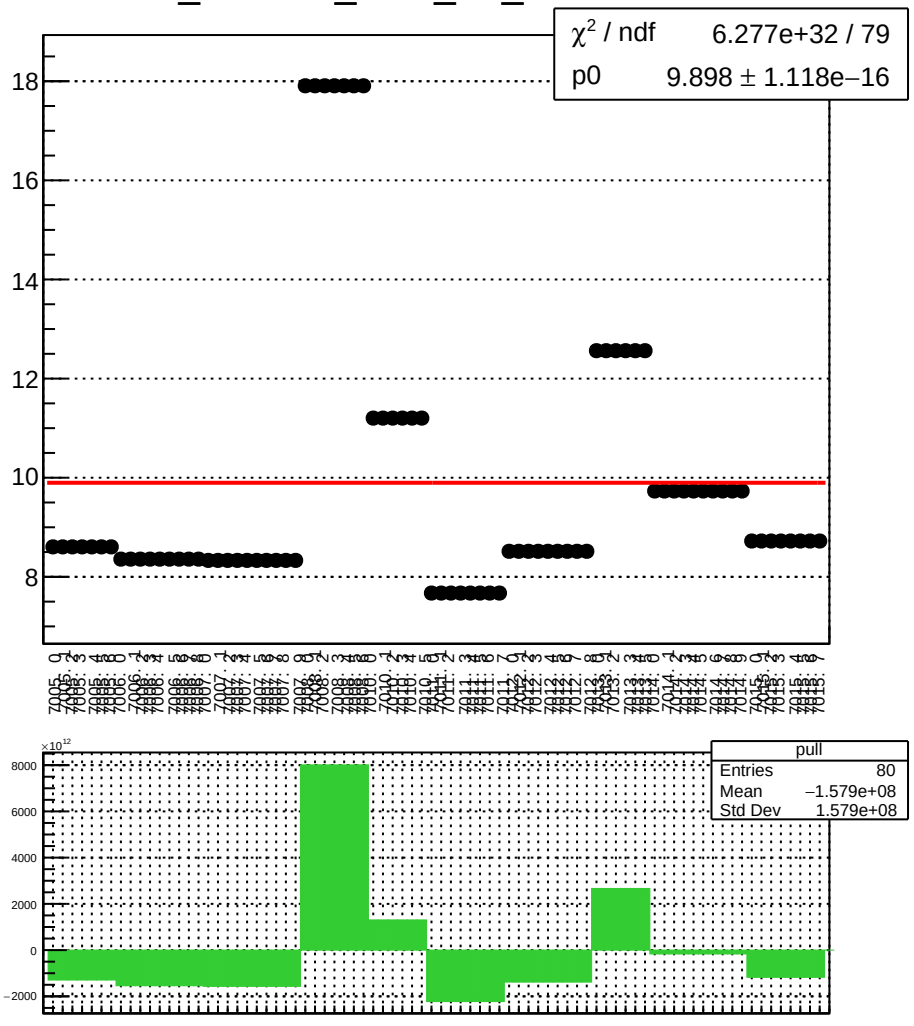

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

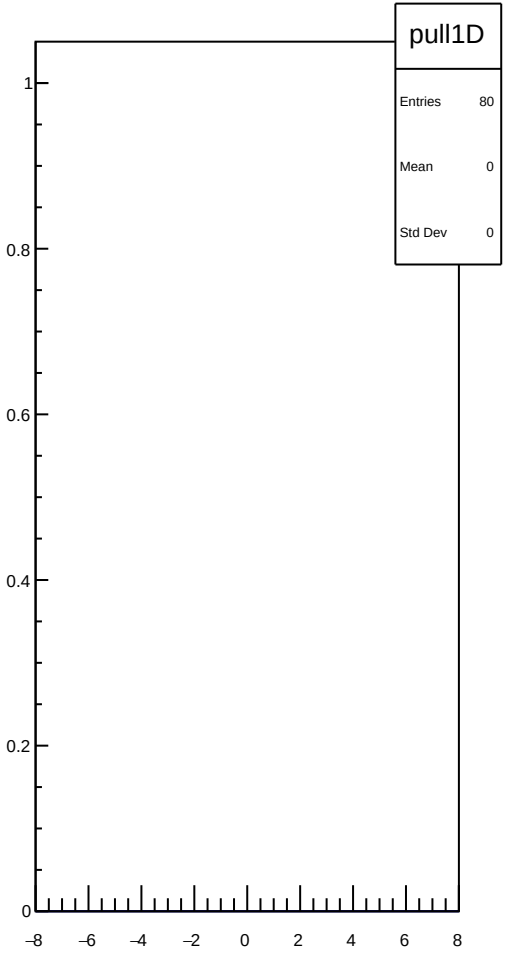

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

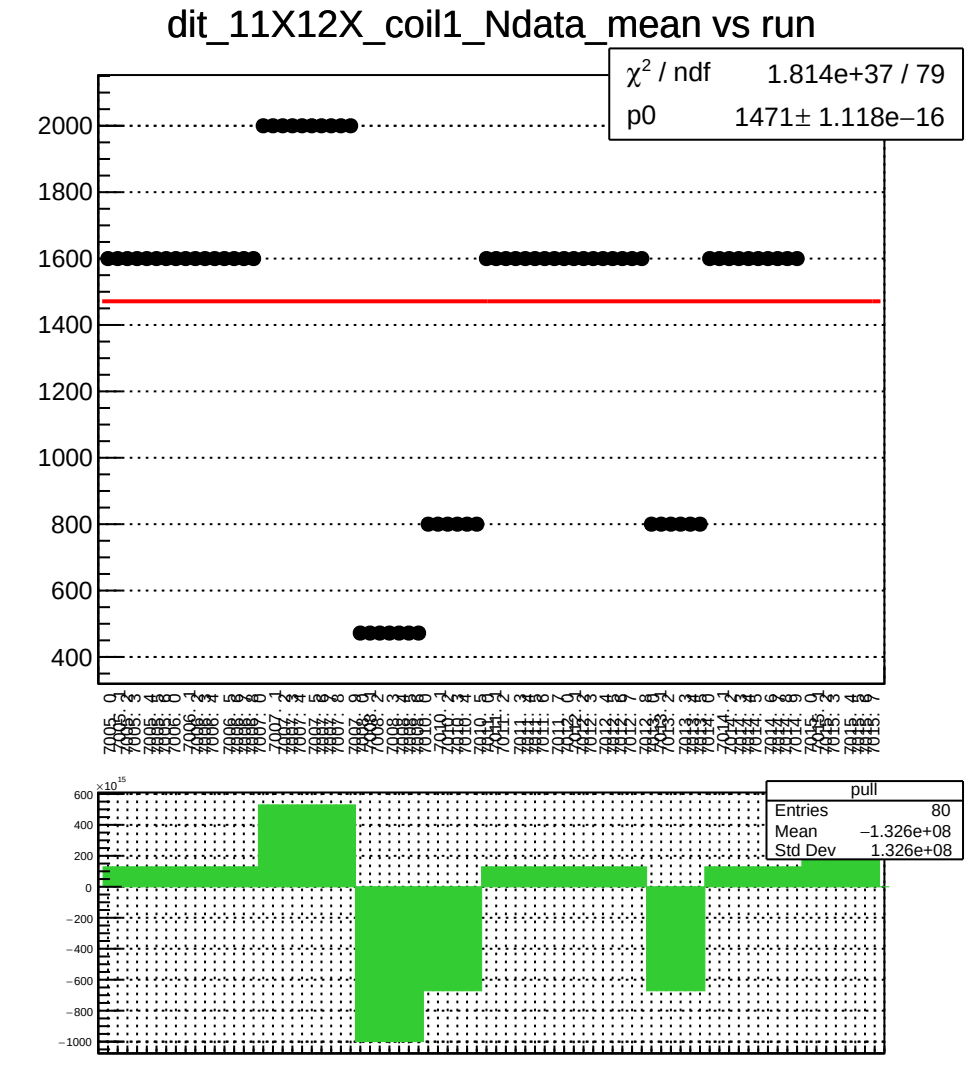

dit_11X12X_coil1_mean vs run
χ² / ndf 2.266e+33 / 79
p0 −239.4 ± 1.118e−16
−230
−235
−240
−245
−250
pull
Entries 80
Mean −3.8e+06
Std Dev 3.8e+06
×10¹²
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000

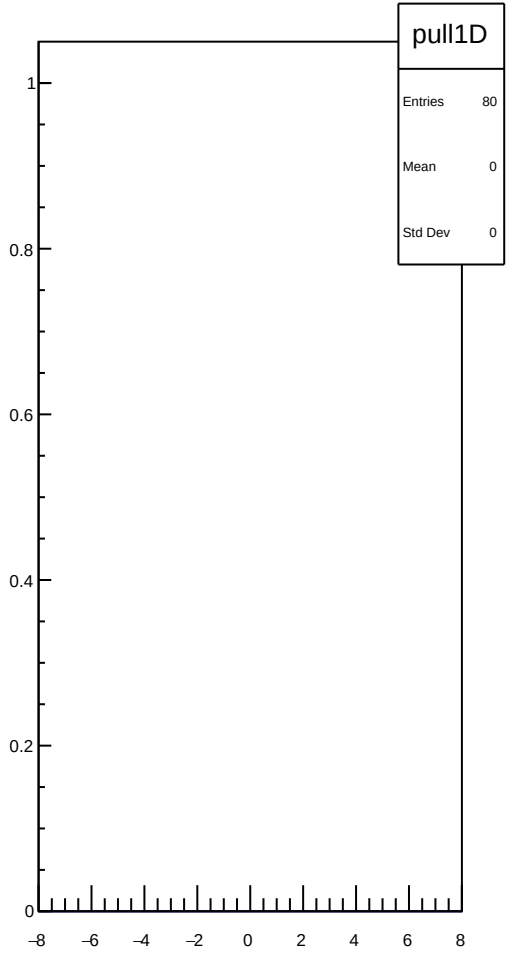

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

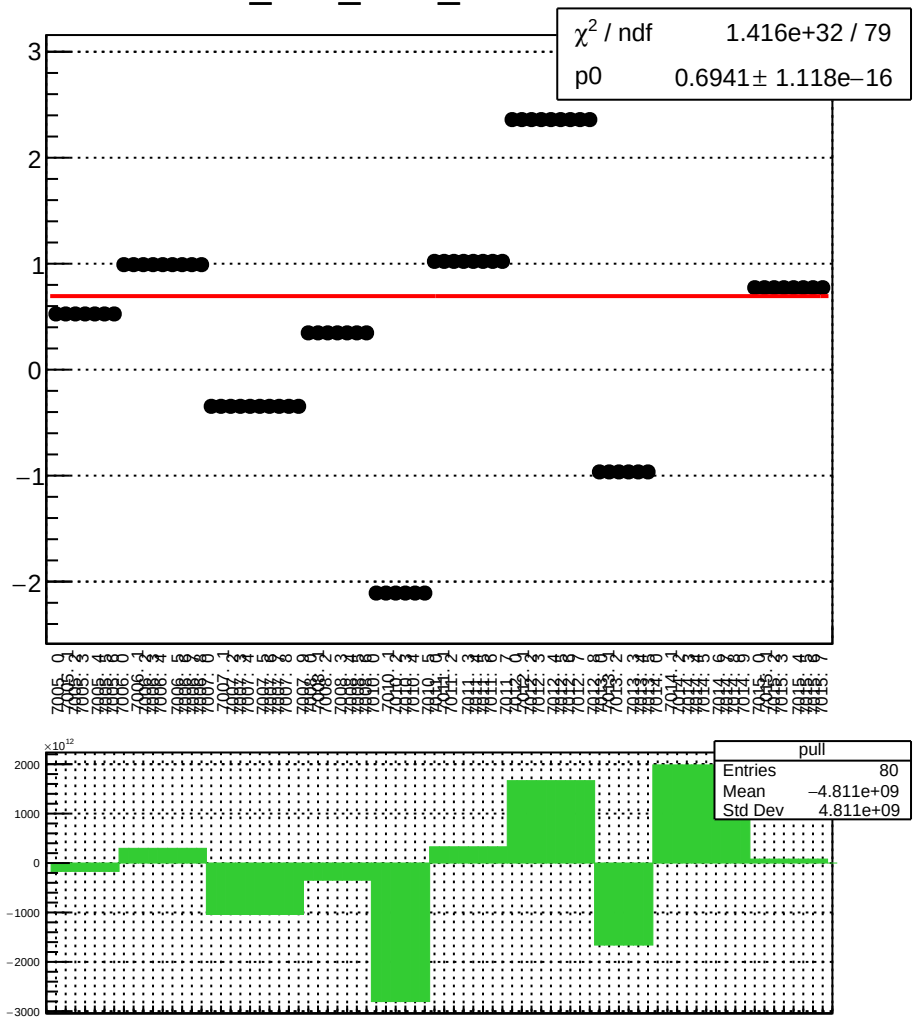
dit_11X12X_coil1_err_mean vs run

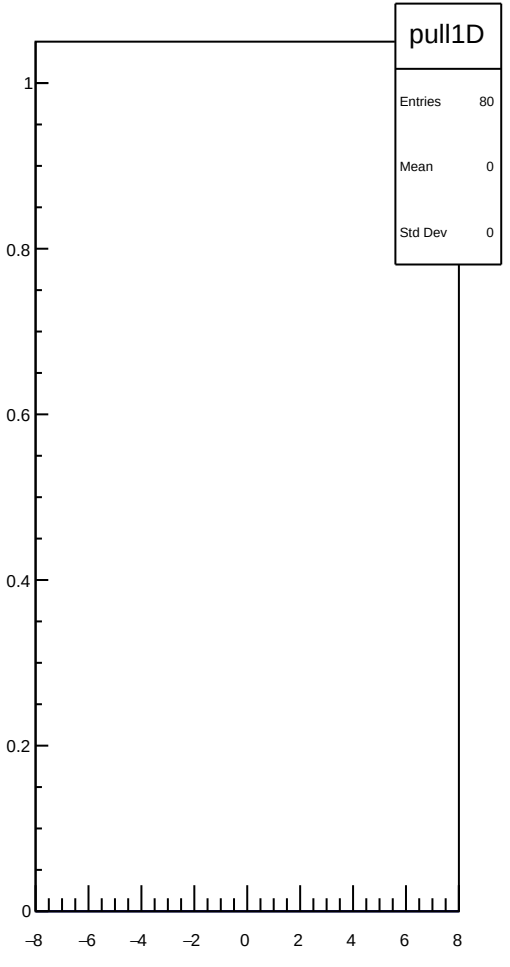


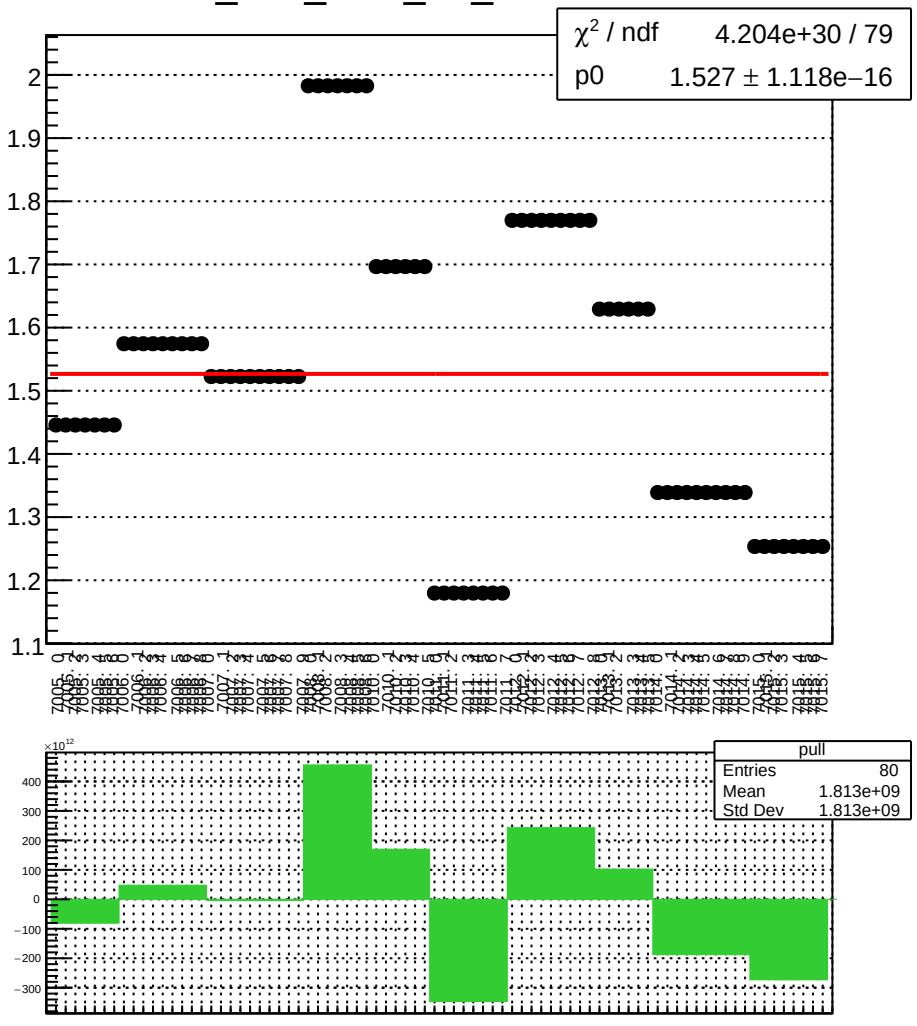


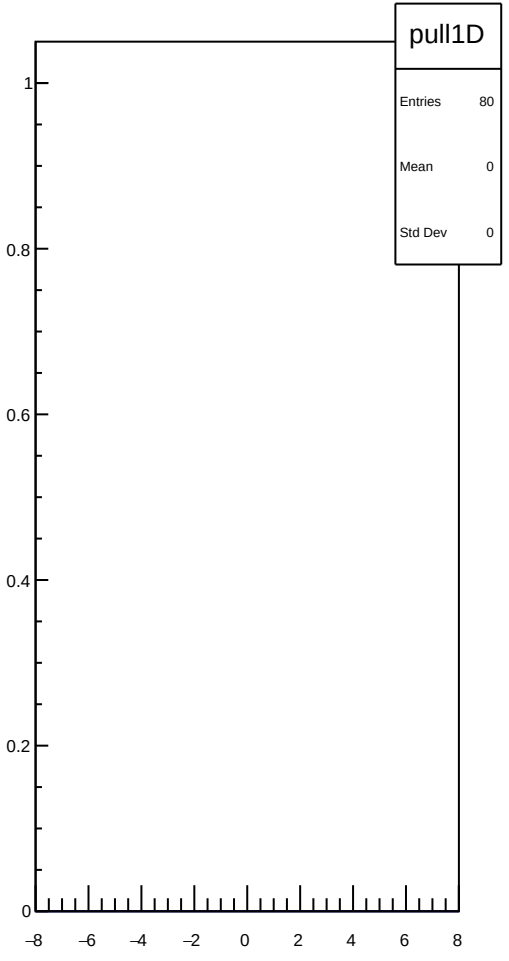

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

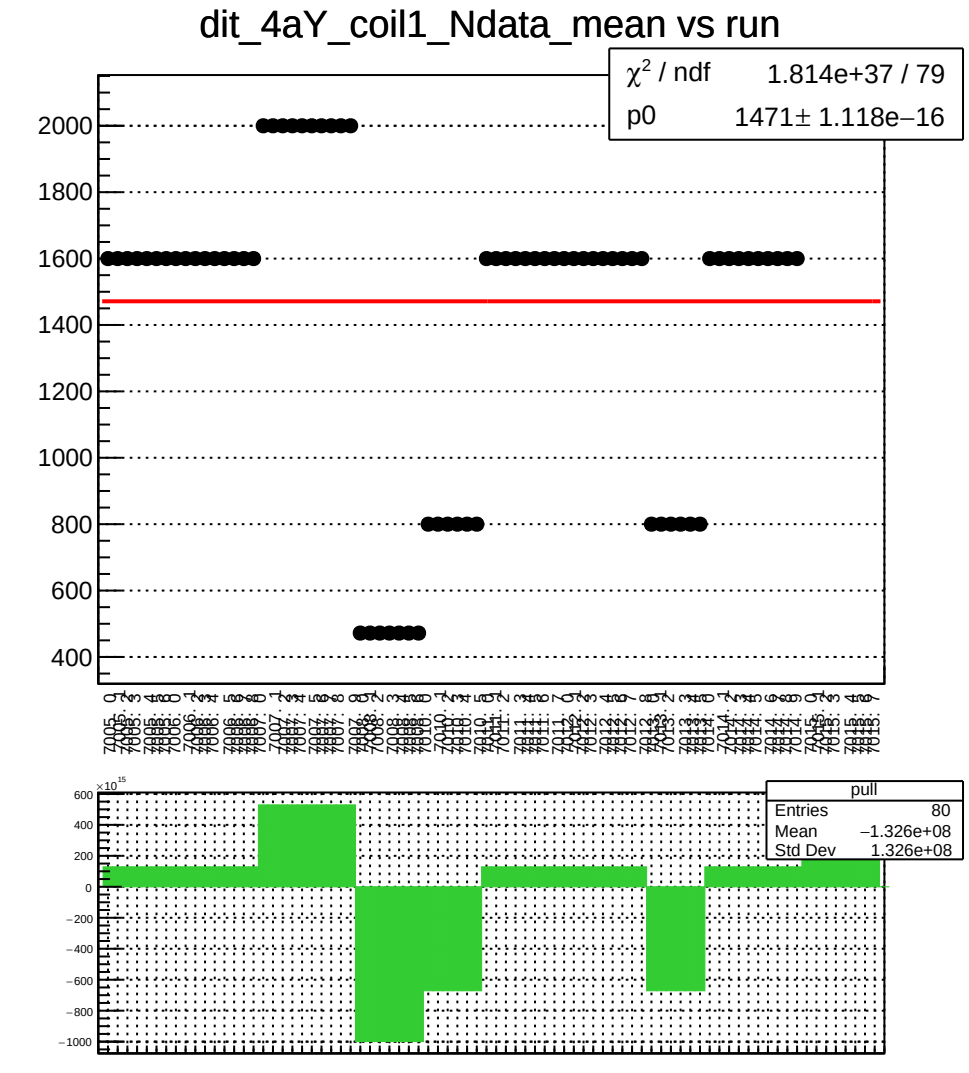

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

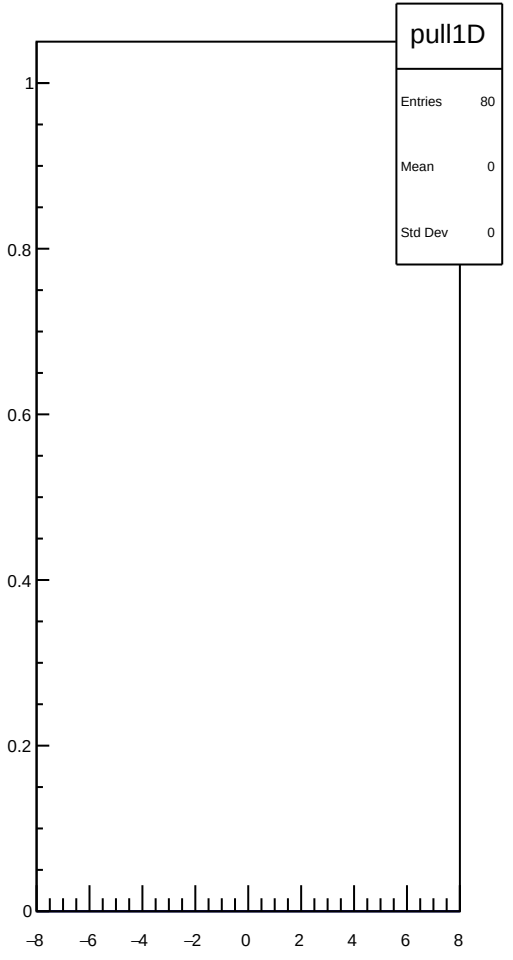

dit_4aY_coil1_mean vs run
χ² / ndf 1.416e+32 / 79
p0 0.6941 ± 1.118e−16
pull
Entries 80
Mean −4.811e+09
Std Dev 4.811e+09
×10¹²

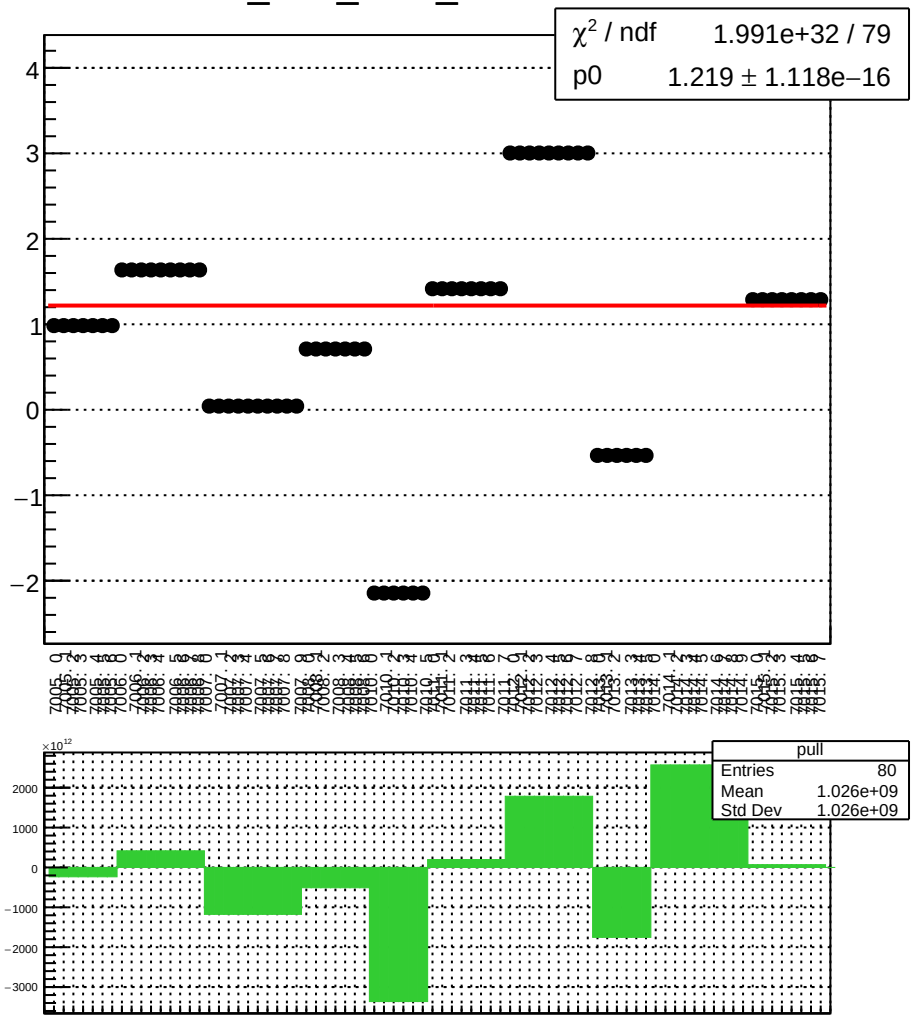

pull1D
Entries 80
Mean 0
Std Dev 0

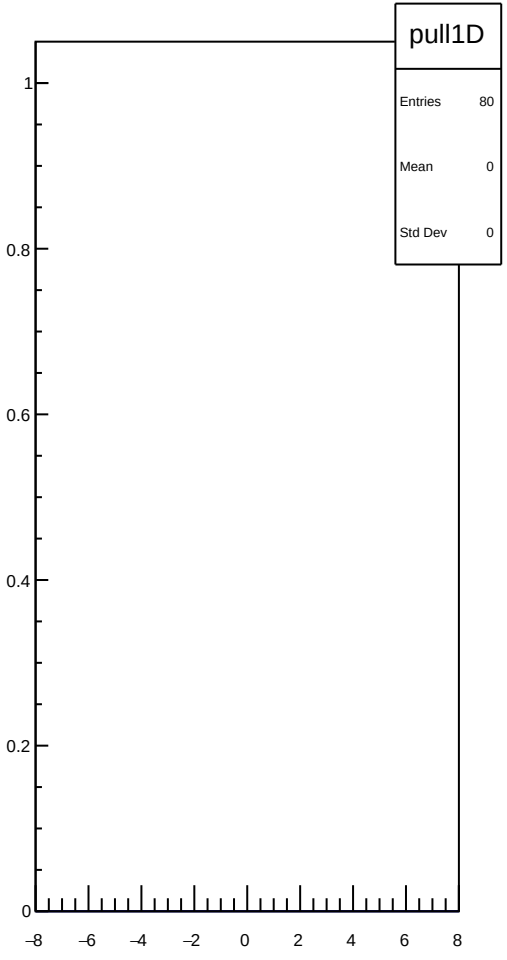

dit_4aY_coil1_err_mean vs run
χ² / ndf 4.204e+30 / 79
p0 1.527 ± 1.118e−16
pull
Entries 80
Mean 1.813e+09
Std Dev 1.813e+09

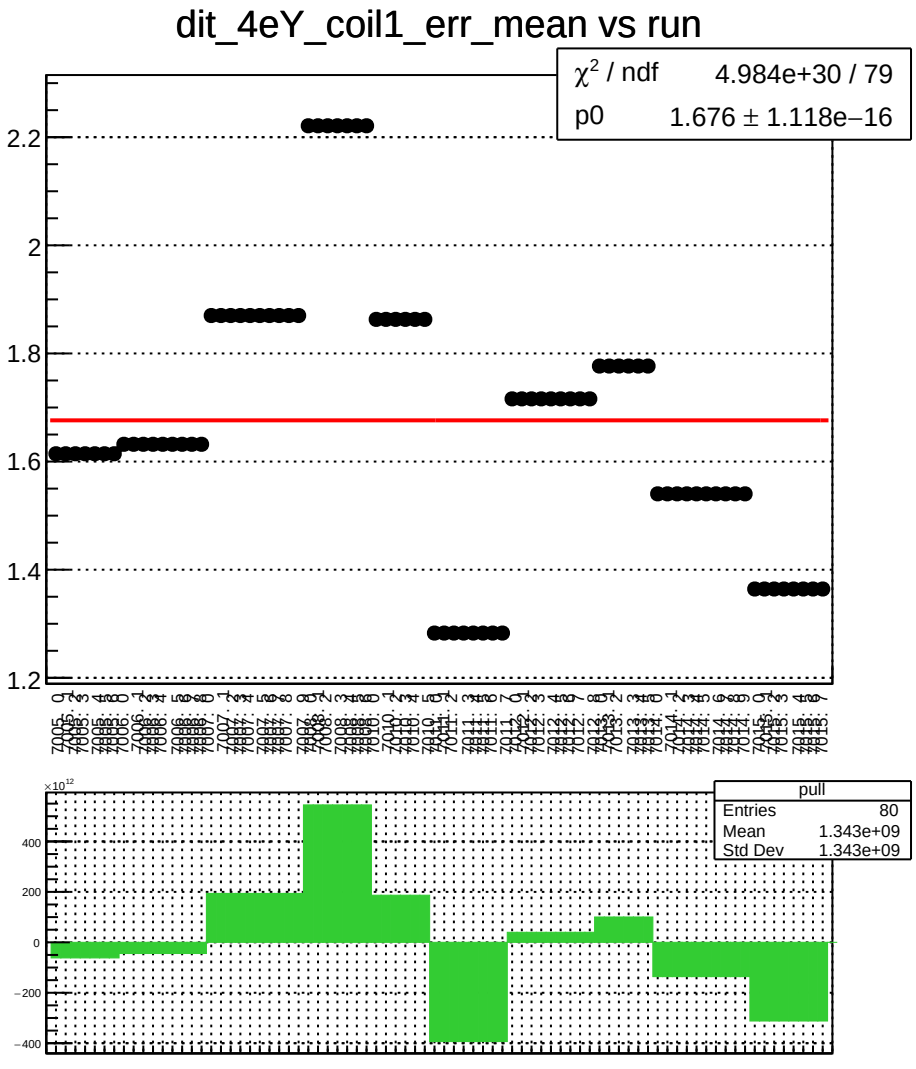

pull1D
Entries 80
Mean 0
Std Dev 0

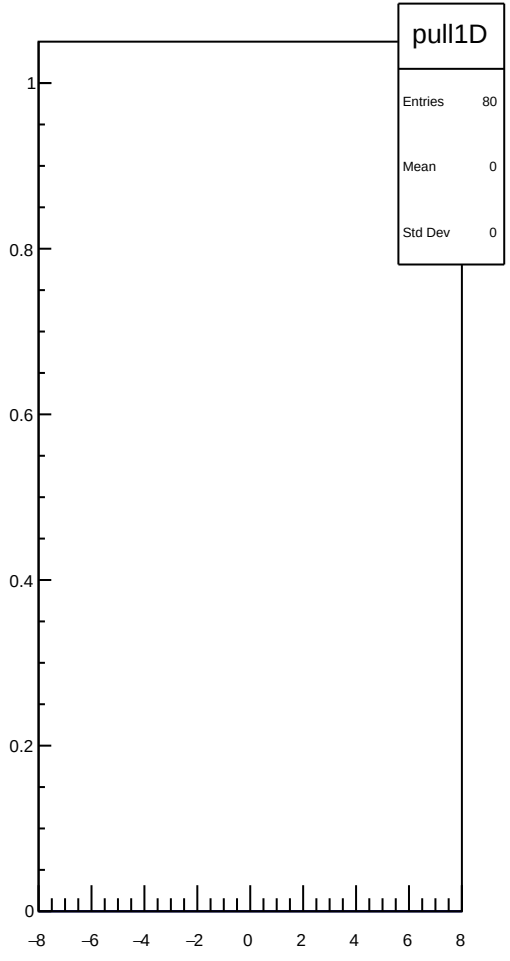

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08

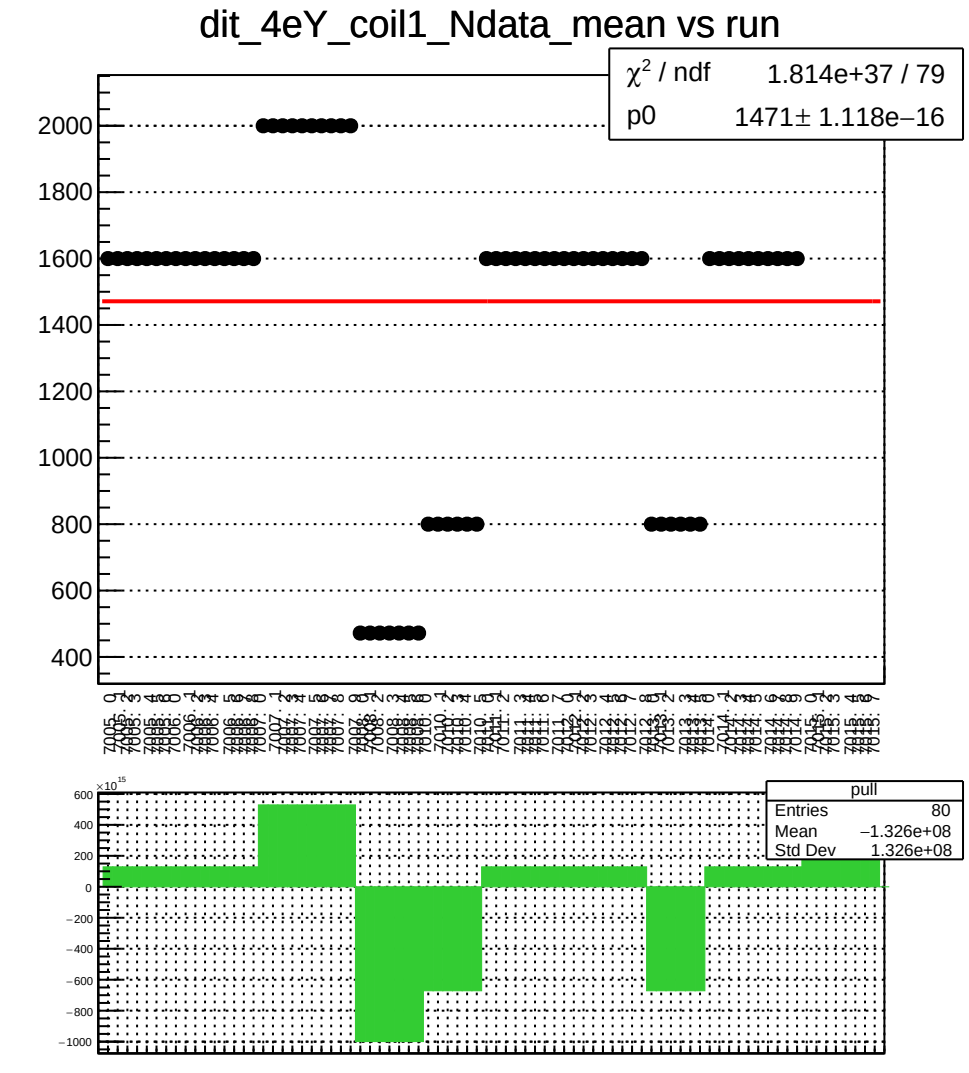

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

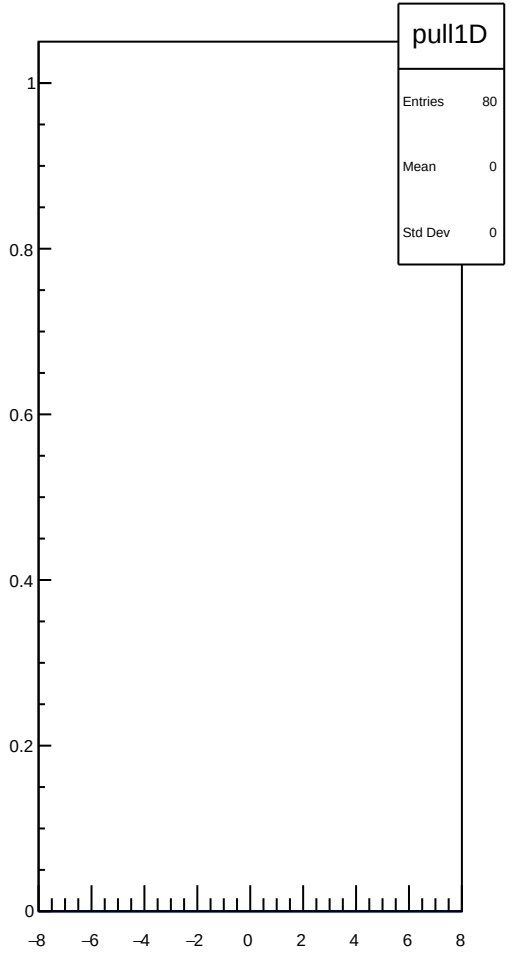

dit_4eY_coil1_mean vs run
χ² / ndf 1.991e+32 / 79
p0 1.219 ± 1.118e−16
pull
Entries 80
Mean 1.026e+09
Std Dev 1.026e+09

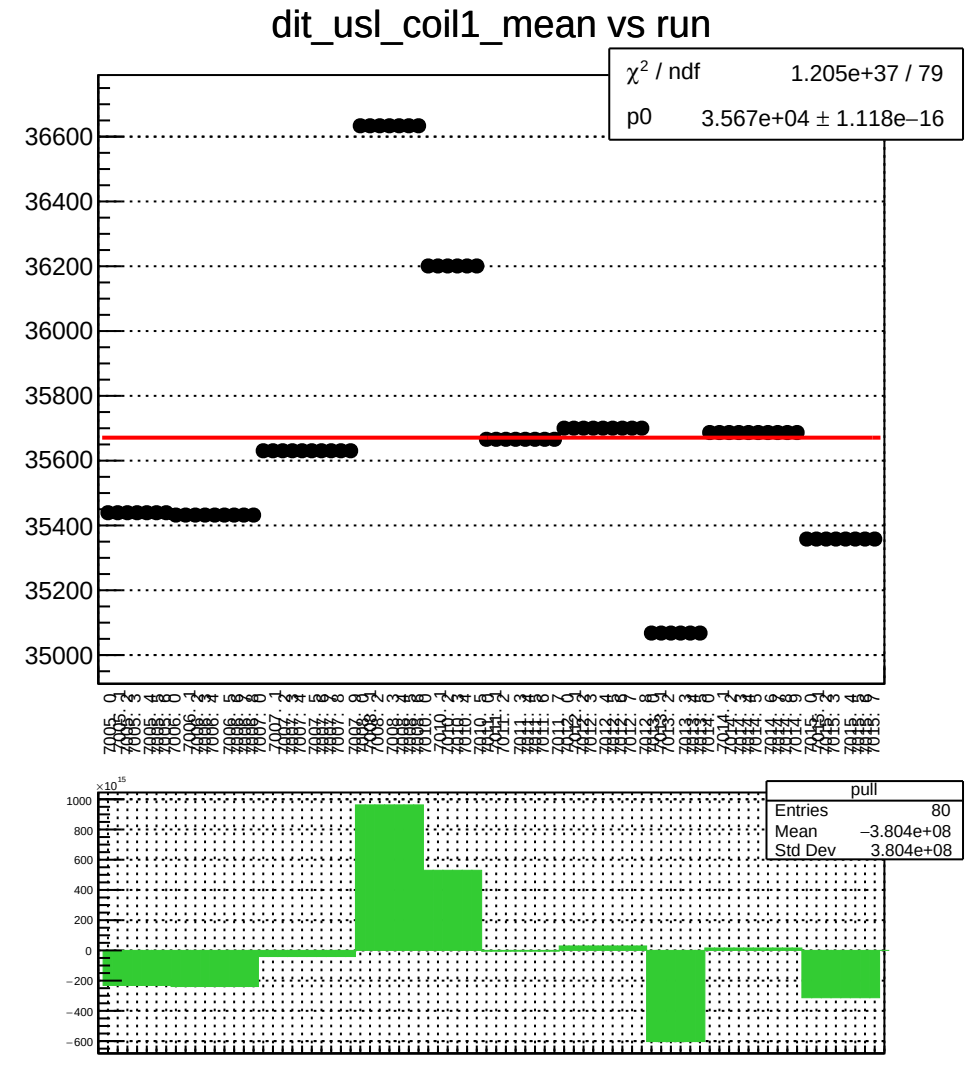

pull1D
Entries 80
Mean 0
Std Dev 0

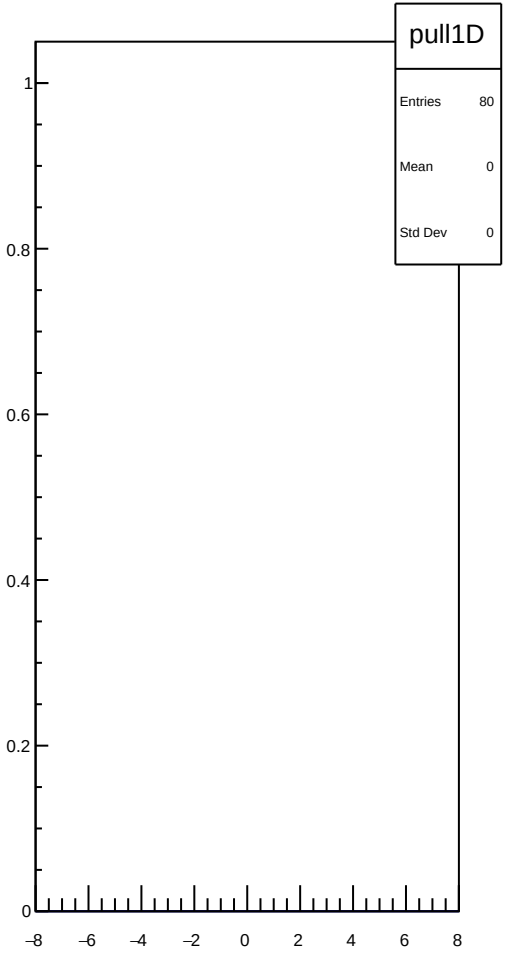

dit_4eY_coil1_err_mean vs run
χ² / ndf 4.984e+30 / 79
p0 1.676 ± 1.118e−16
pull
Entries 80
Mean 1.343e+09
Std Dev 1.343e+09

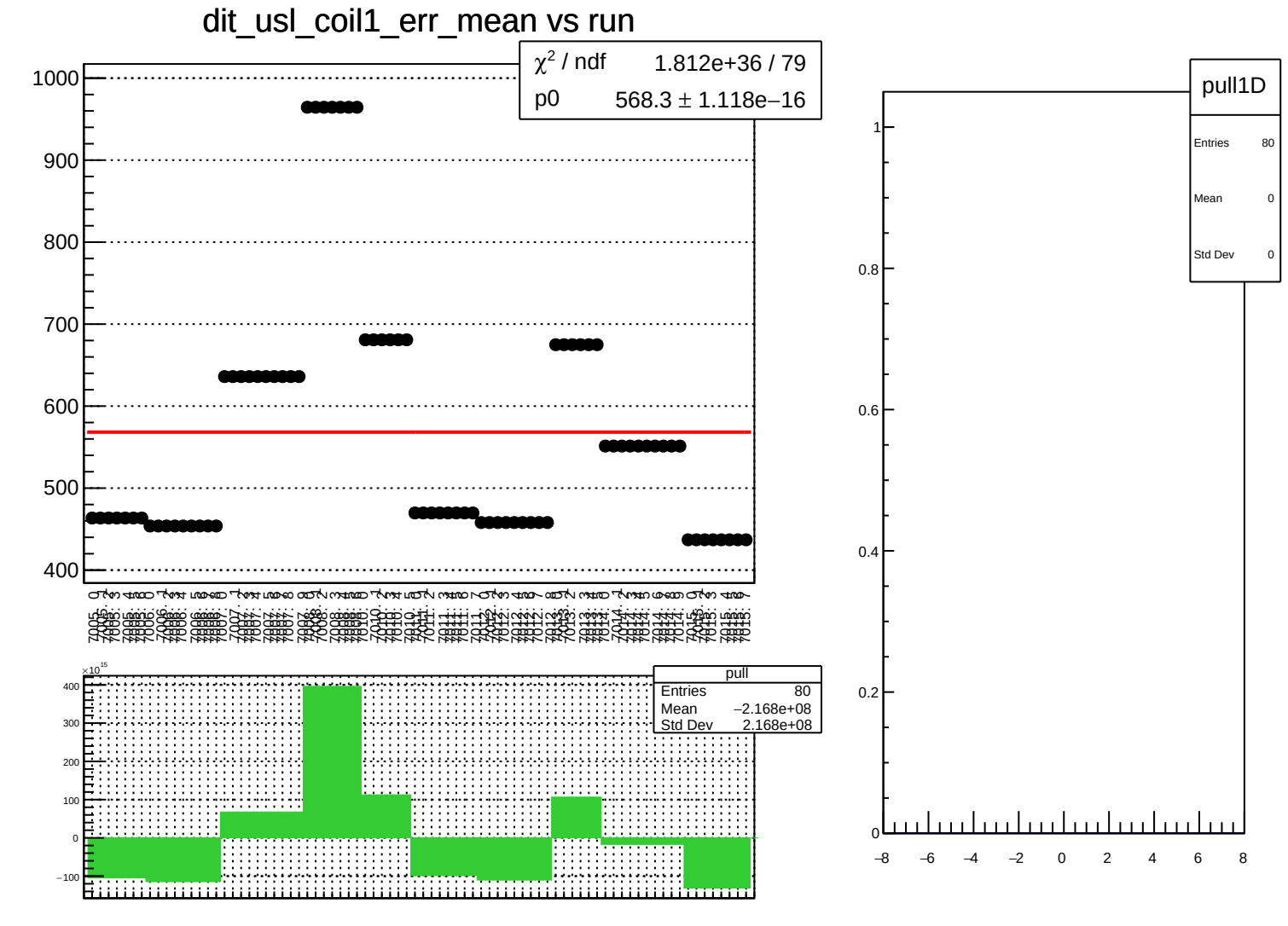

pull1D
Entries 80
Mean 0
Std Dev 0

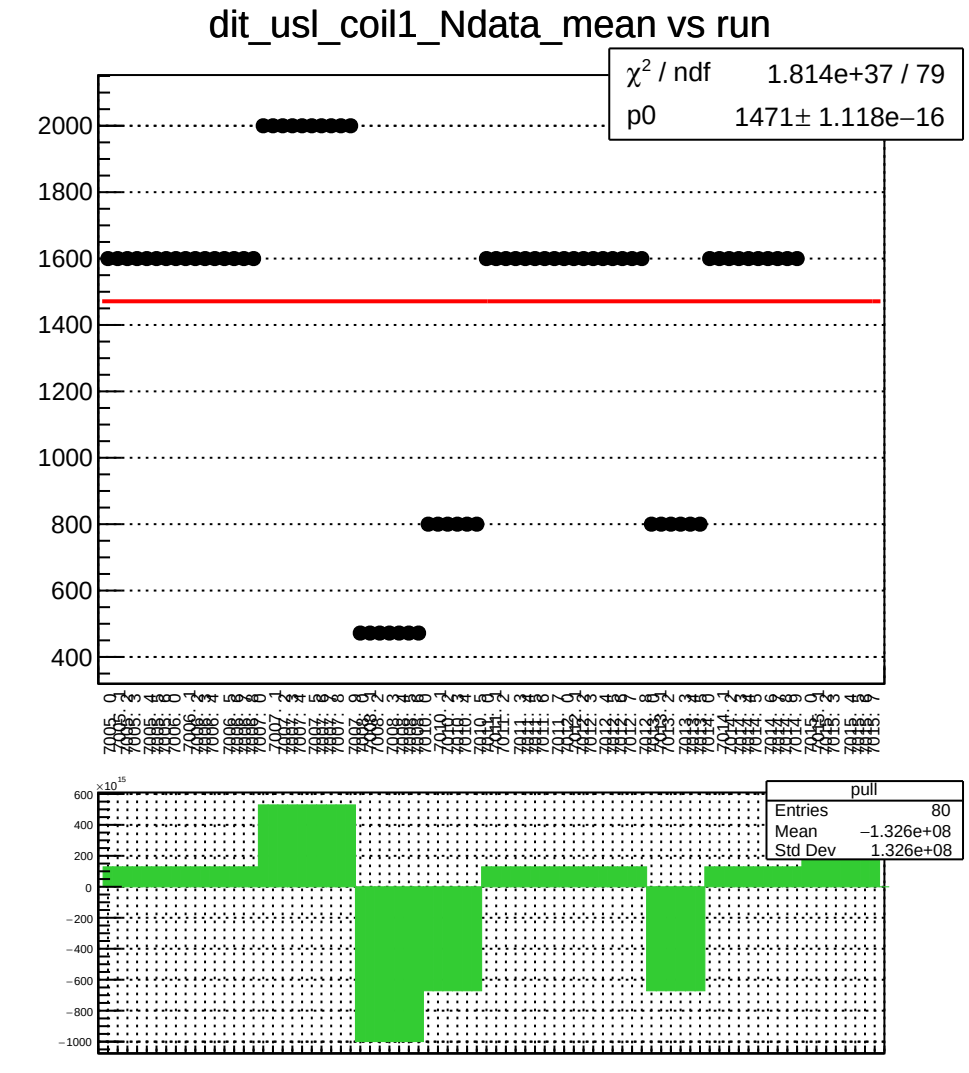

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

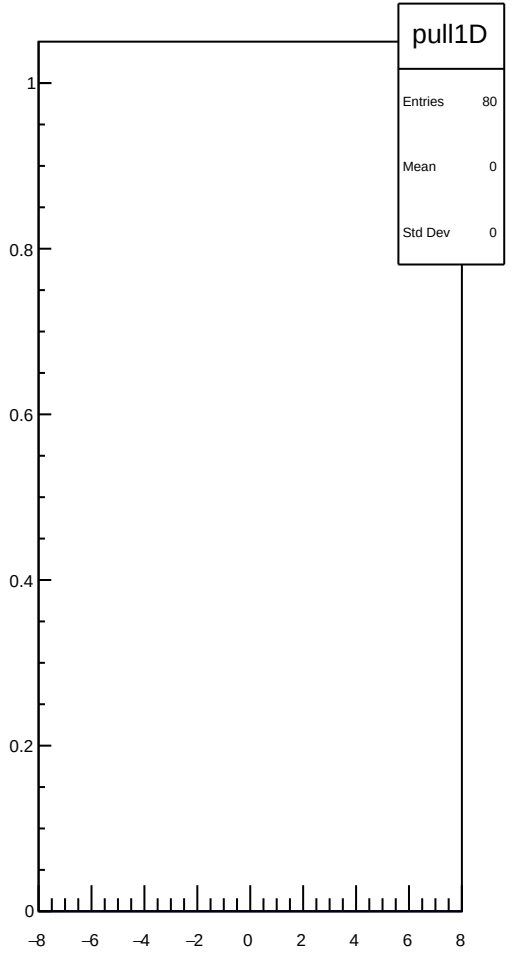

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

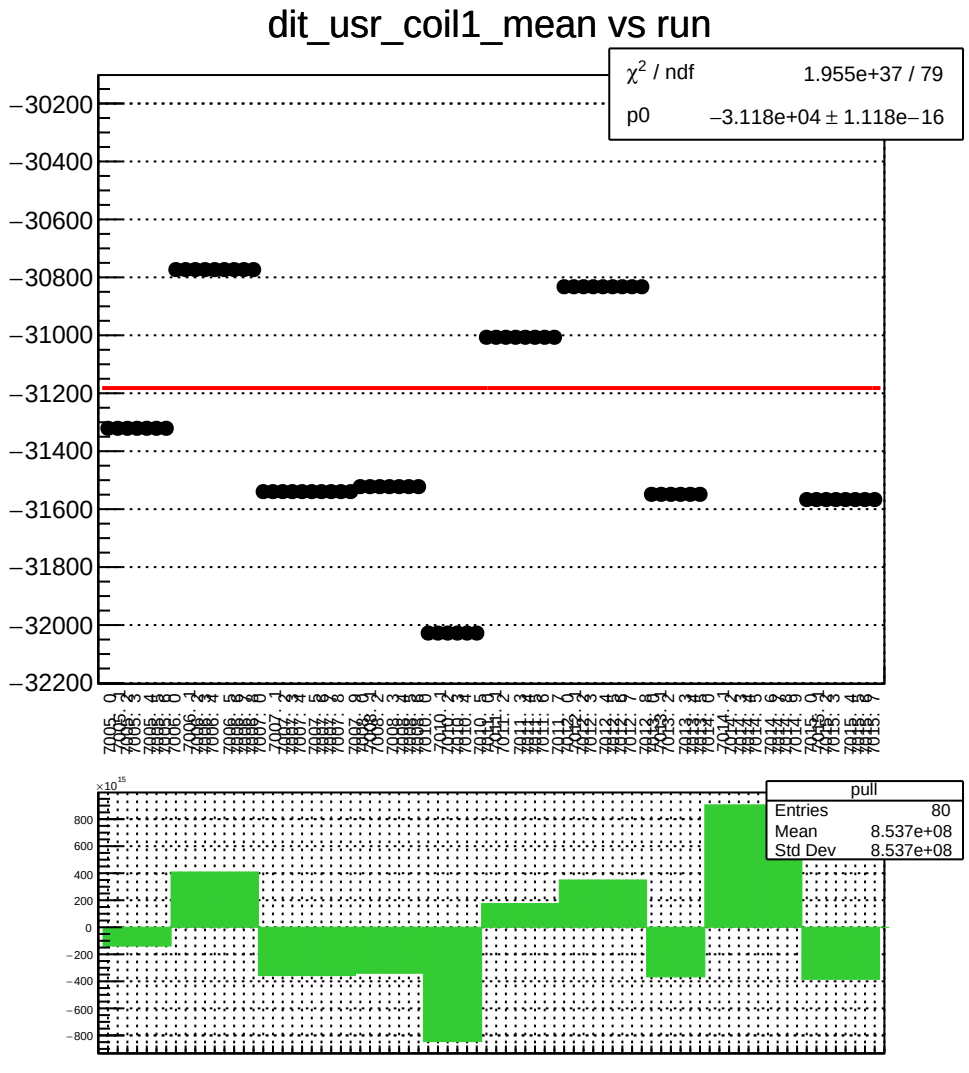

dit_usl_coil1_mean vs run
χ² / ndf 1.205e+37 / 79
p0 3.567e+04 ± 1.118e−16
36600
36400
36200
36000
35800
35600
35400
35200
35000
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 80
Mean −3.804e+08
Std Dev 3.804e+08

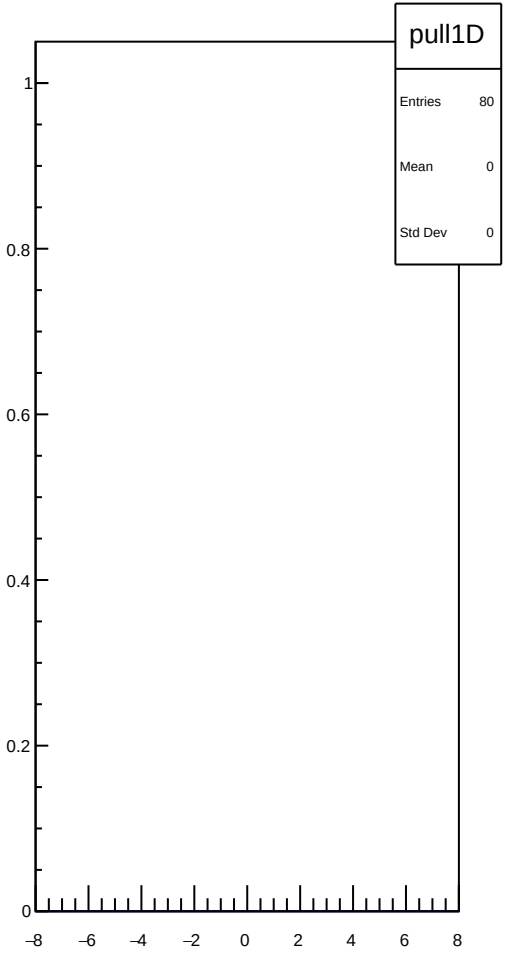

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

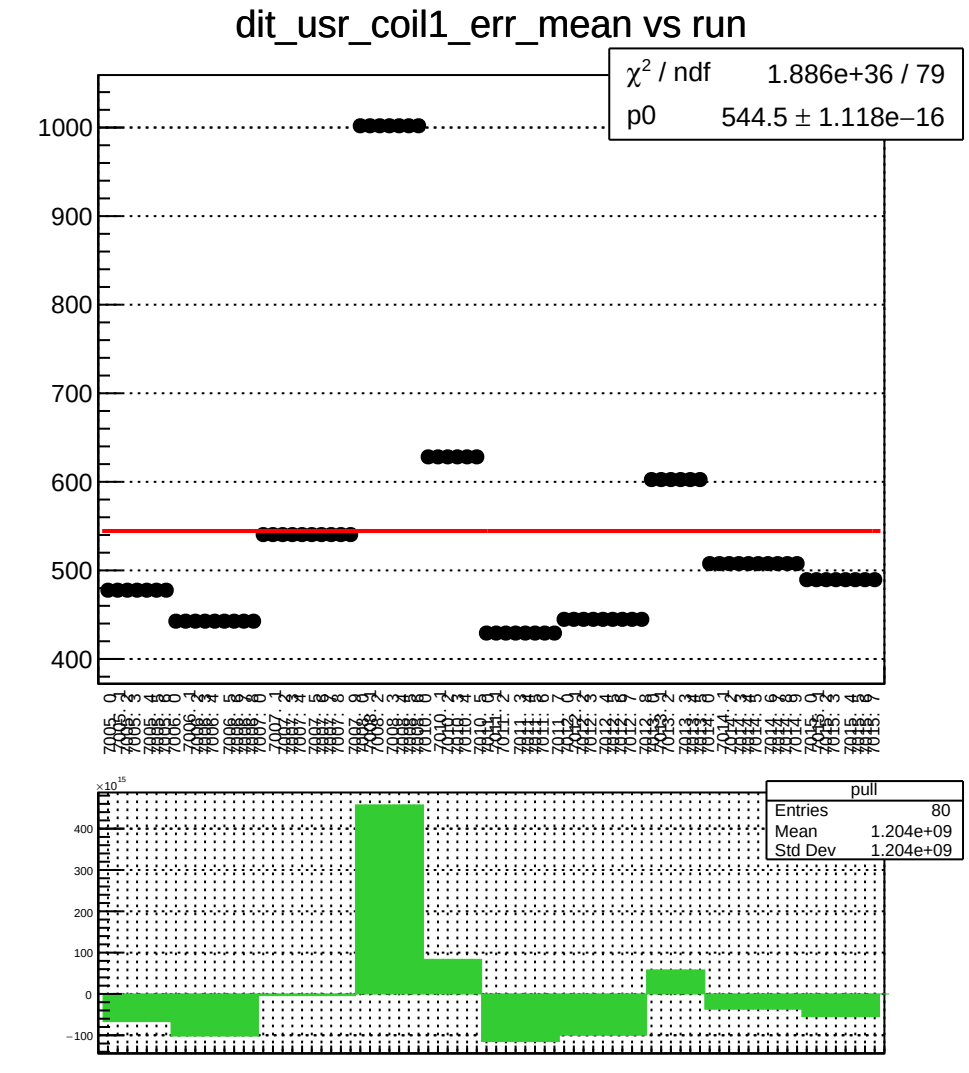

dit_usl_coil1_err_mean vs run
χ² / ndf 1.812e+36 / 79
p0 568.3 ± 1.118e−16
1000
900
800
700
600
500
400
pull
Entries 80
Mean −2.168e+08
Std Dev 2.168e+08
×10¹⁵
400
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

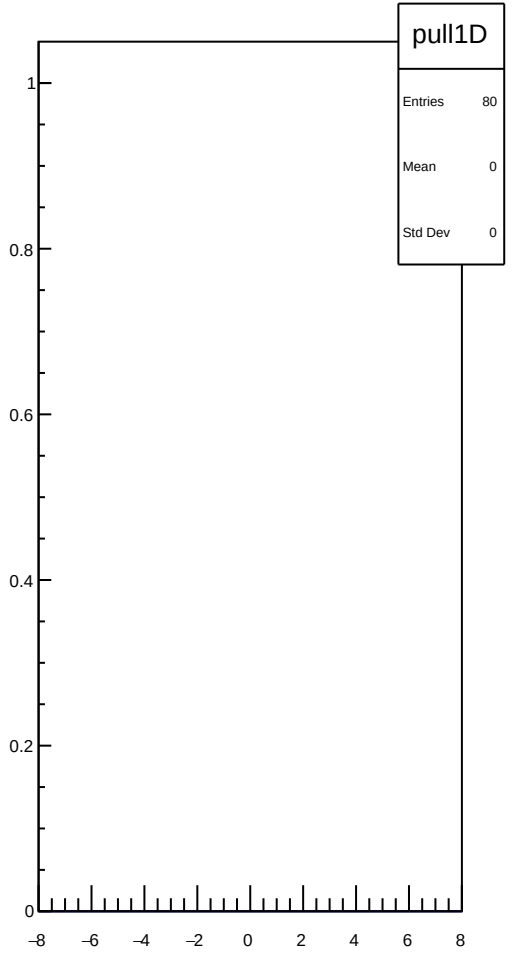

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

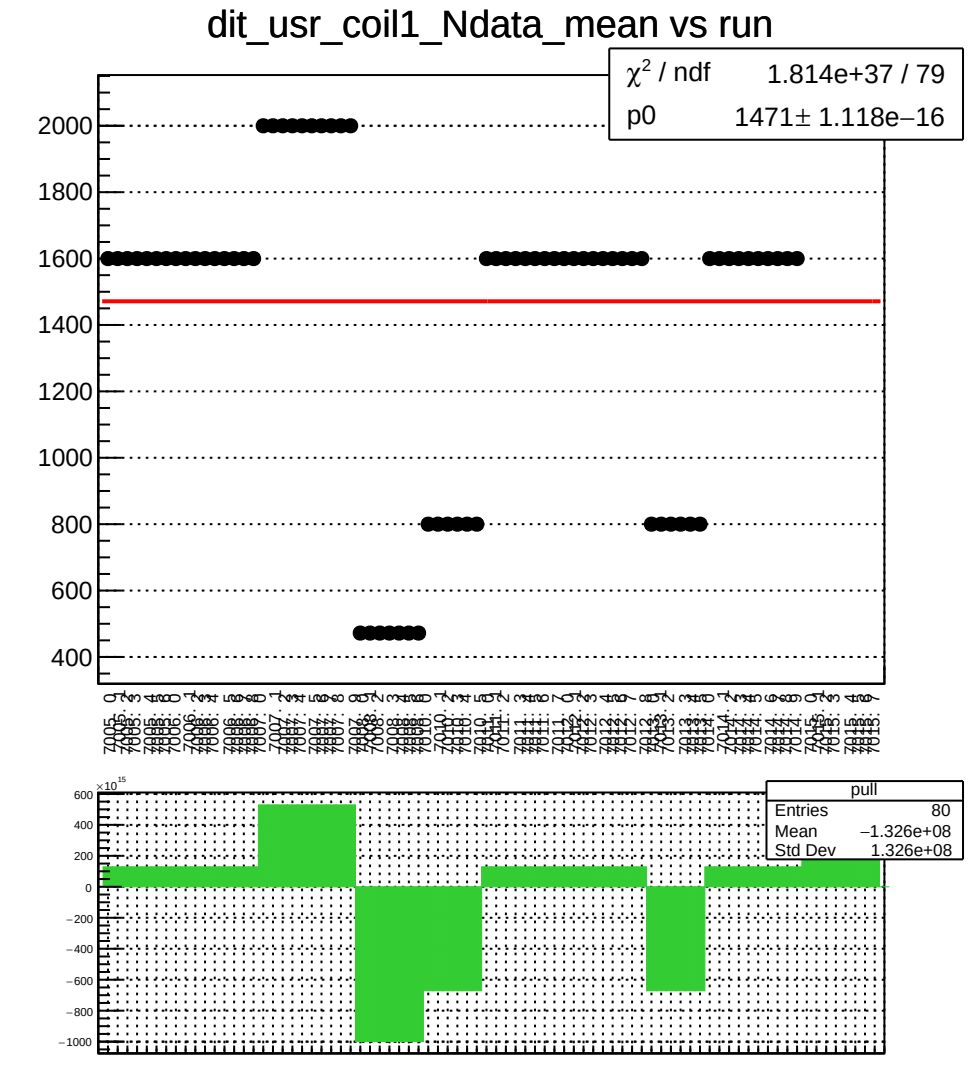

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

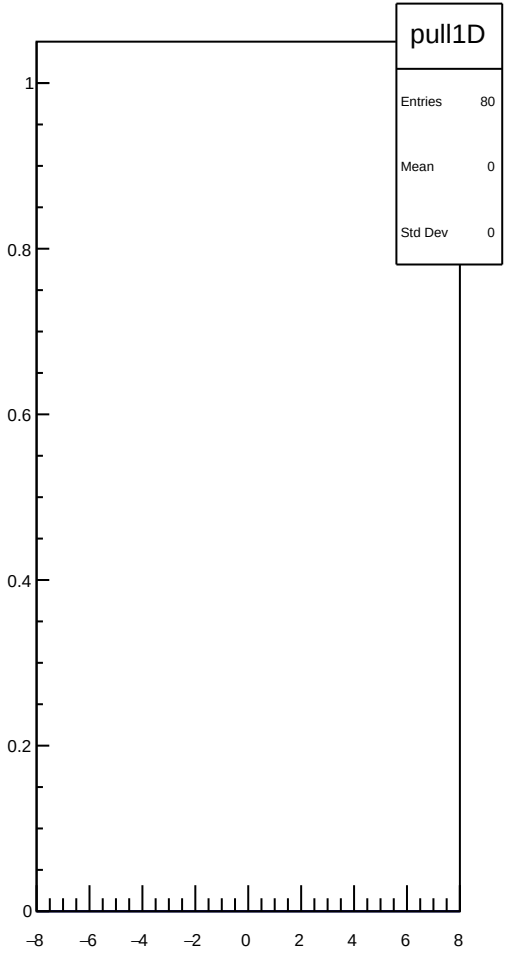

dit_usr_coil1_mean vs run
χ² / ndf 1.955e+37 / 79
p0 −3.118e+04 ± 1.118e−16
−30200
−30400
−30600
−30800
−31000
−31200
−31400
−31600
−31800
−32000
−32200
pull
Entries 80
Mean 8.537e+08
Std Dev 8.537e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

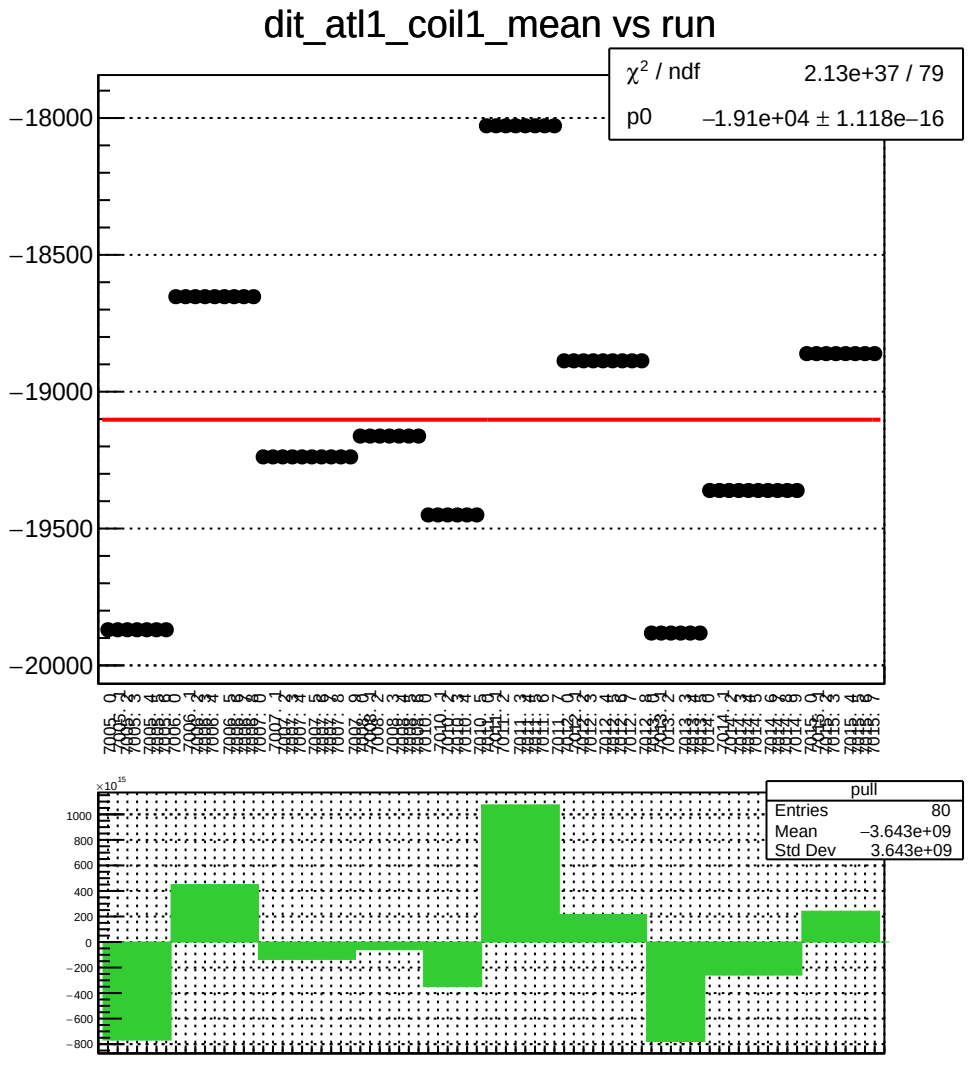

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

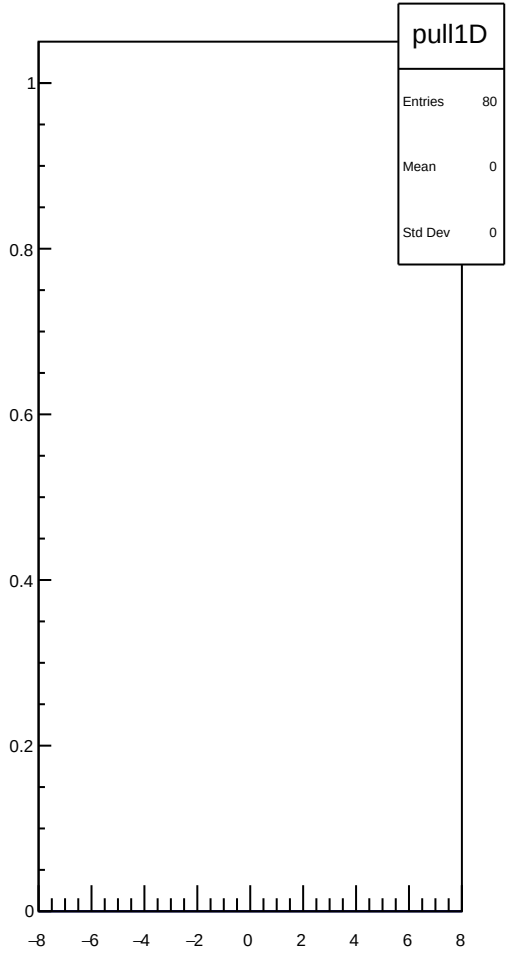

dit_usr_coil1_err_mean vs run
χ² / ndf 1.886e+36 / 79
p0 544.5 ± 1.118e−16
1000
900
800
700
600
500
400
pull
Entries 80
Mean 1.204e+09
Std Dev 1.204e+09
×10¹⁵
400
300
200
100
0
−100

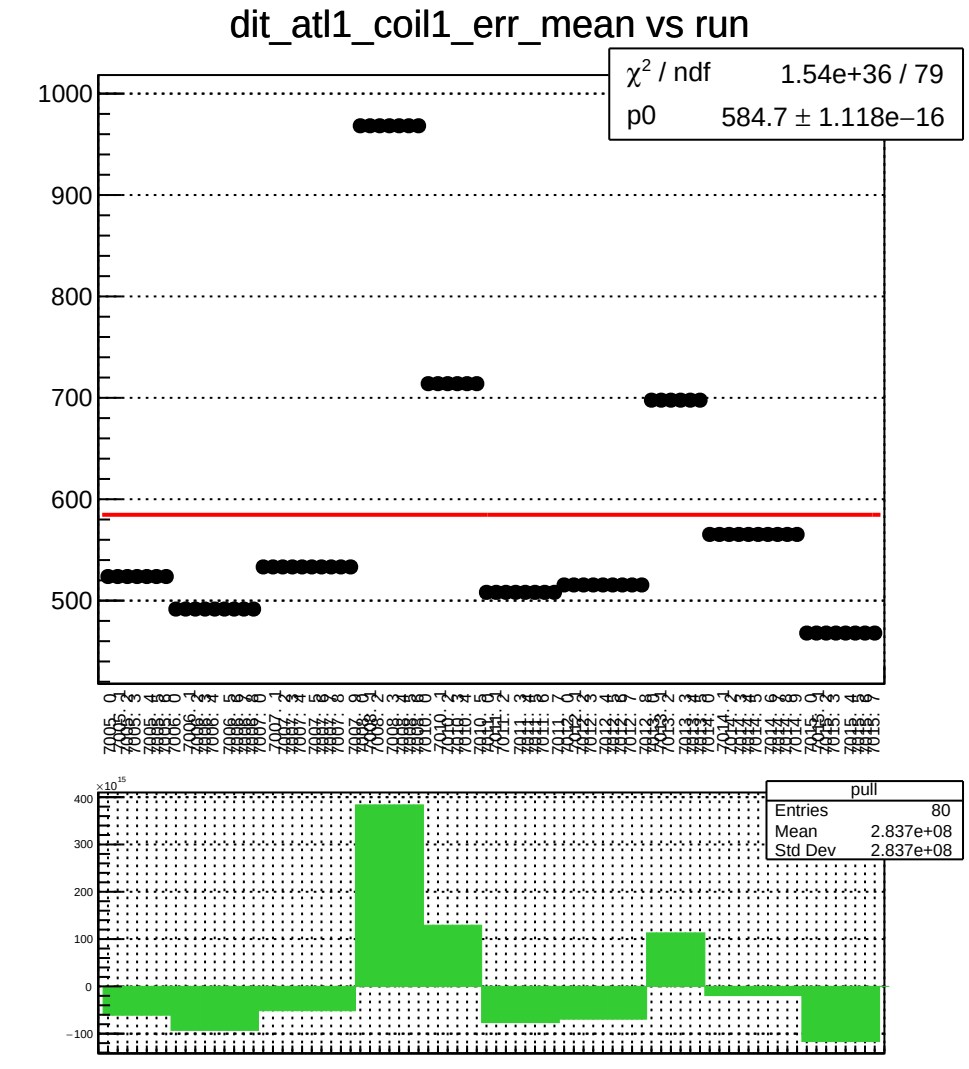

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

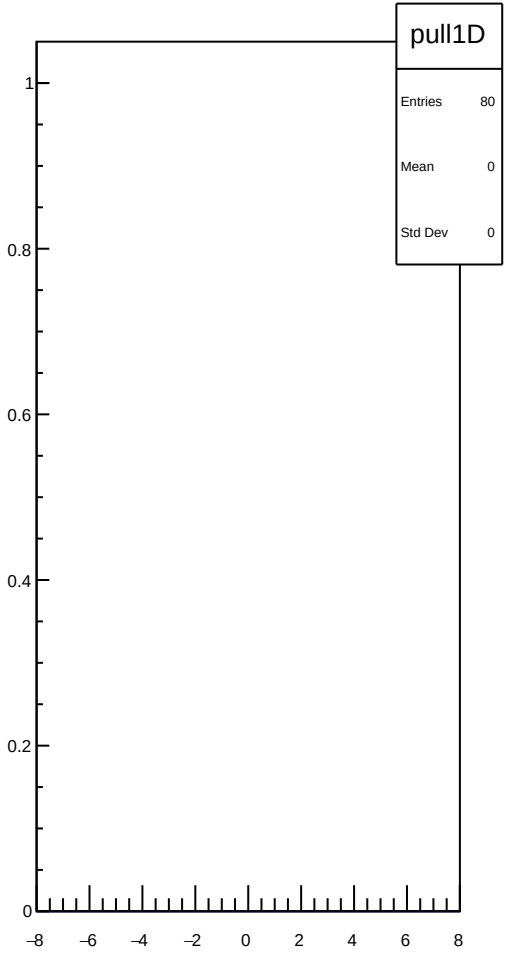

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08

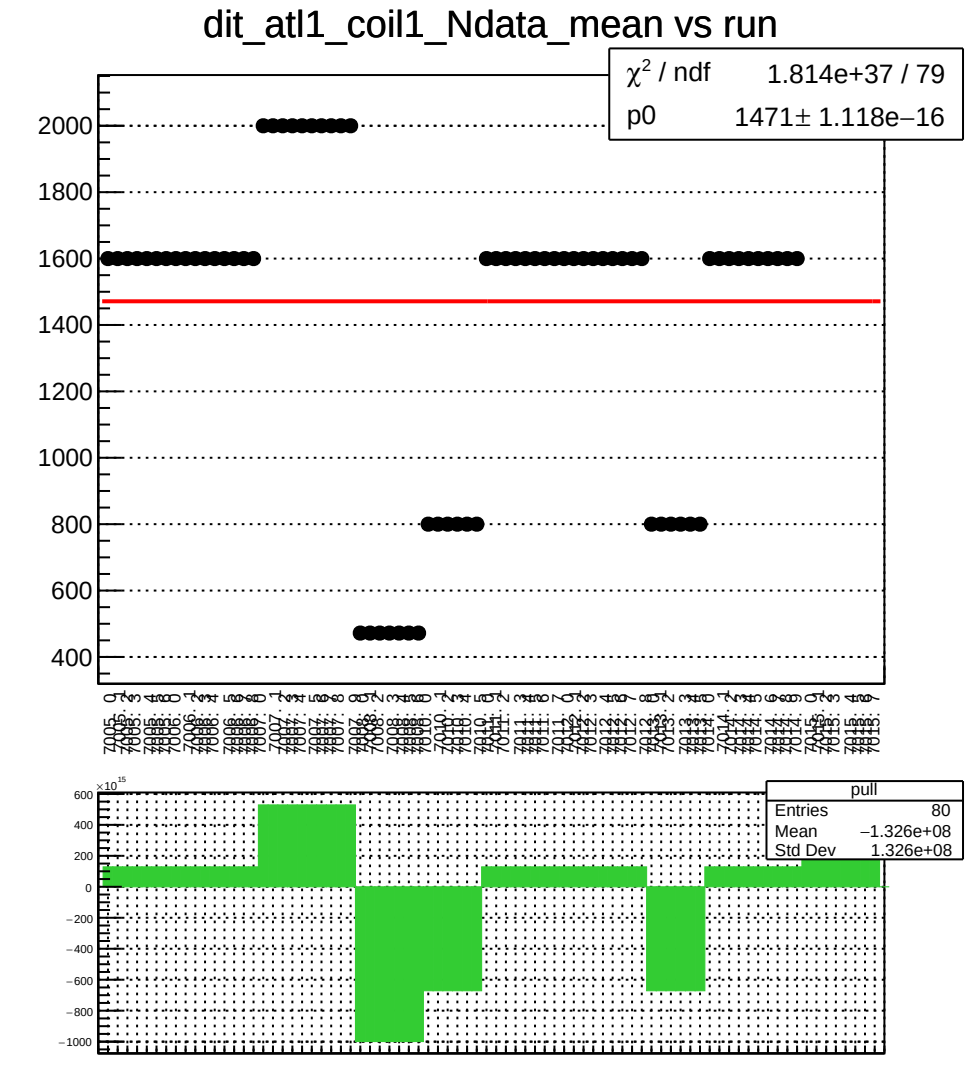

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

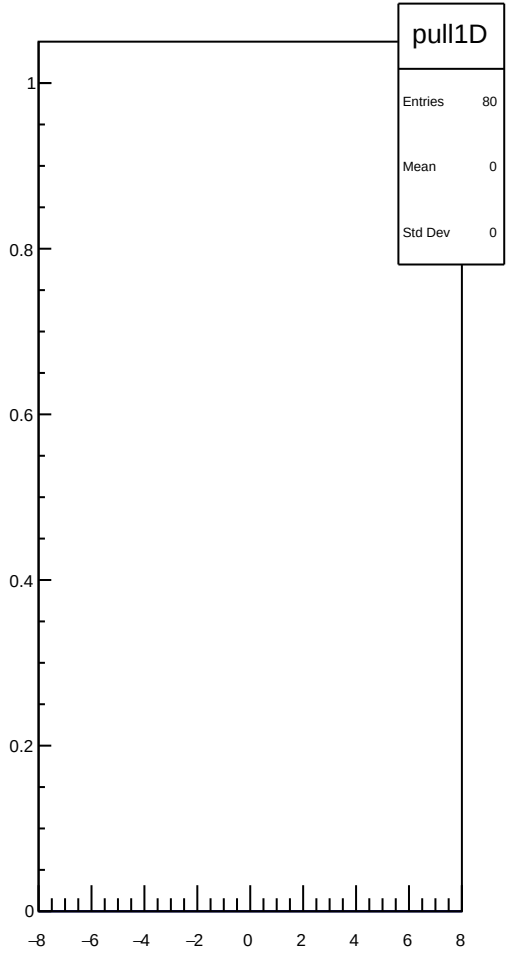

dit_atl1_coil1_mean vs run
χ² / ndf 2.13e+37 / 79
p0 −1.91e+04 ± 1.118e−16
−18000
−18500
−19000
−19500
−20000
pull
Entries 80
Mean −3.643e+09
Std Dev 3.643e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

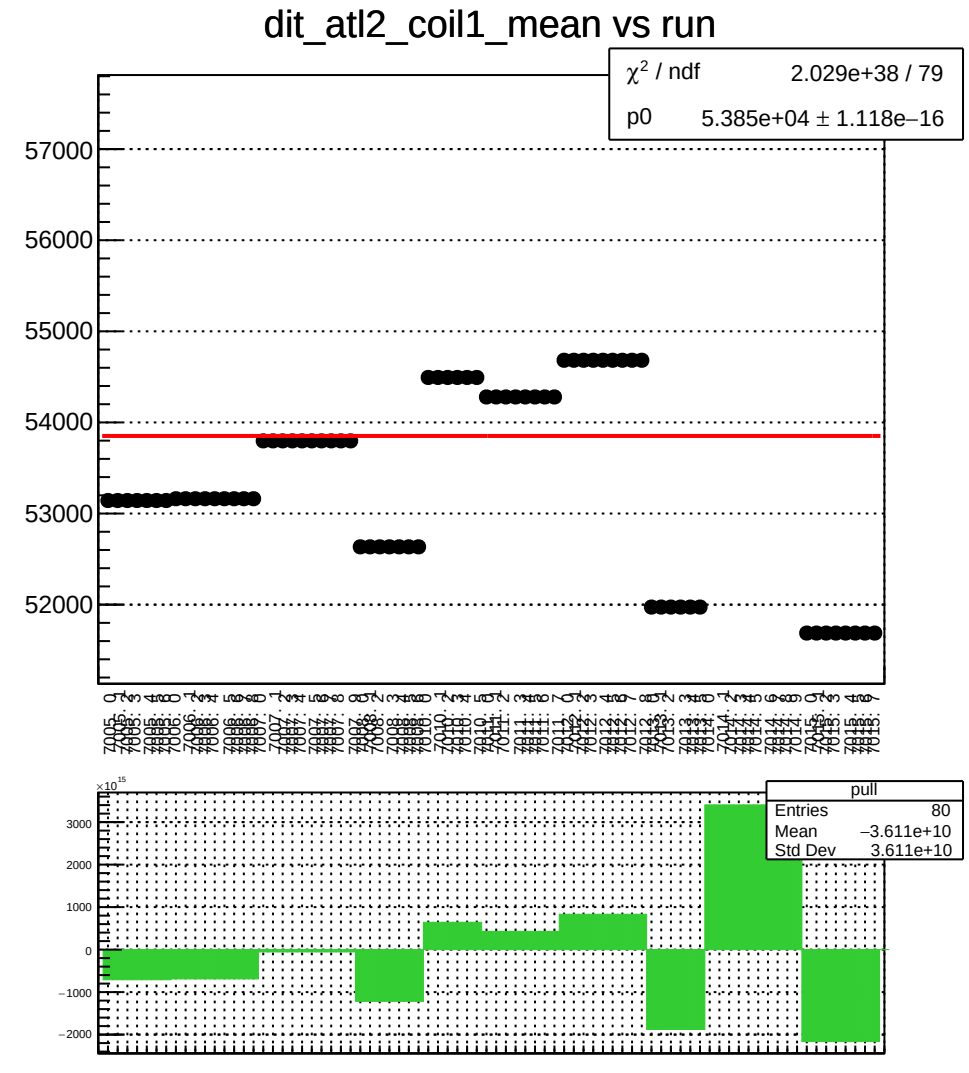

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

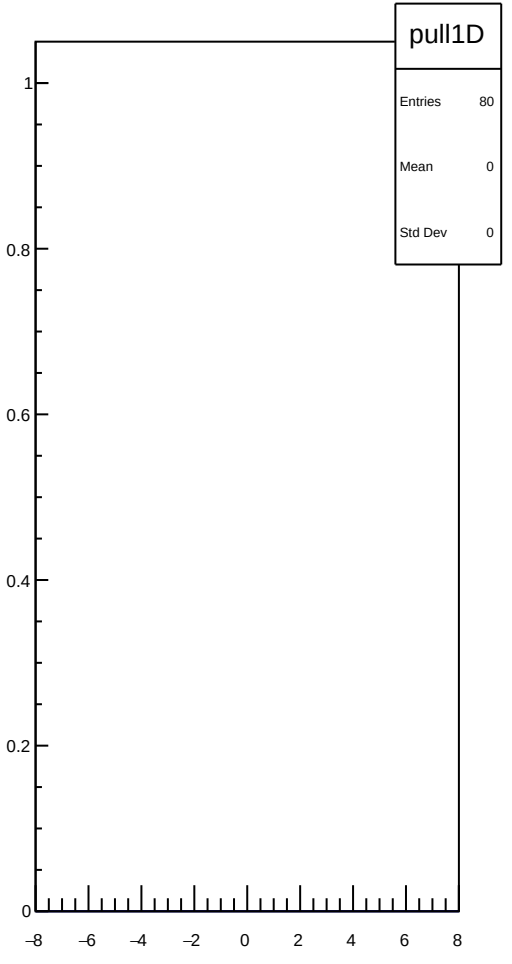

dit_atl1_coil1_err_mean vs run
χ² / ndf 1.54e+36 / 79
p0 584.7 ± 1.118e−16
1000
900
800
700
600
500
pull
Entries 80
Mean 2.837e+08
Std Dev 2.837e+08
×10¹⁵
400
300
200
100
0
−100

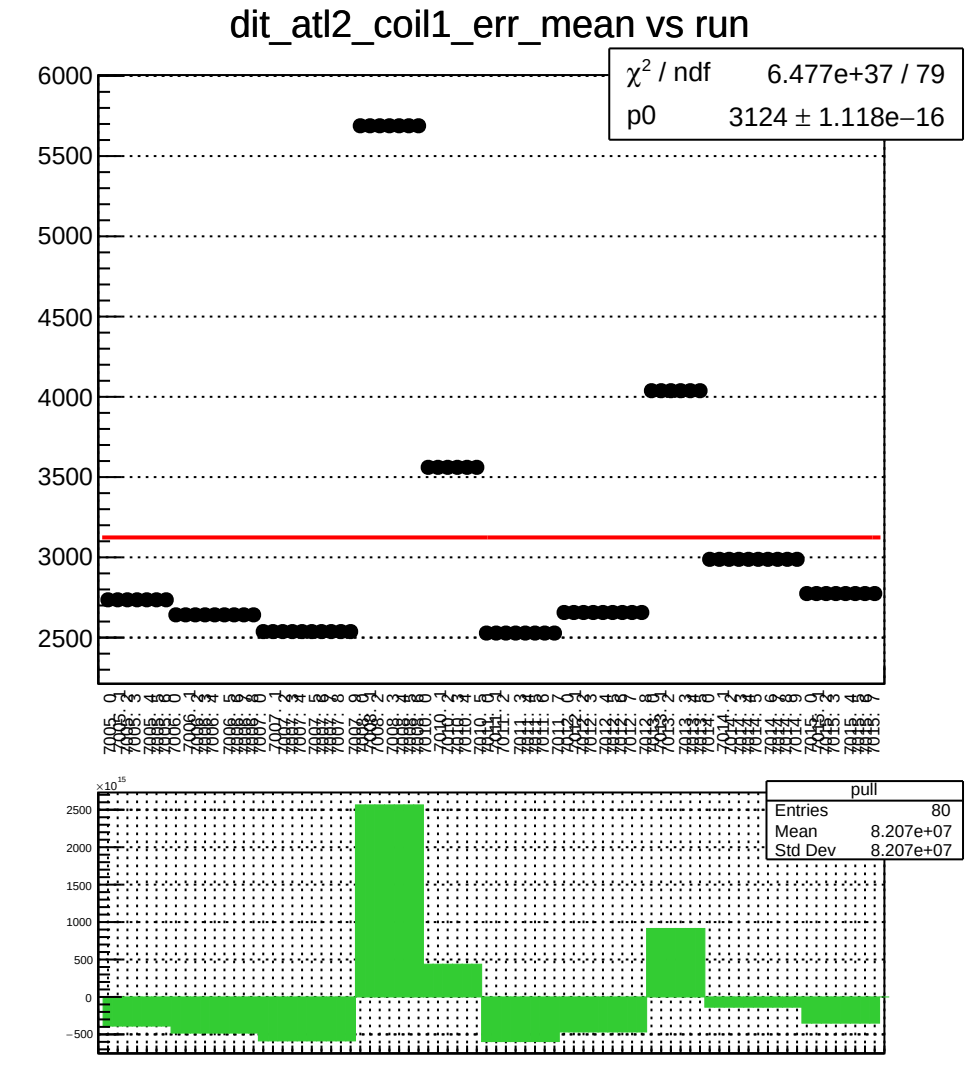

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

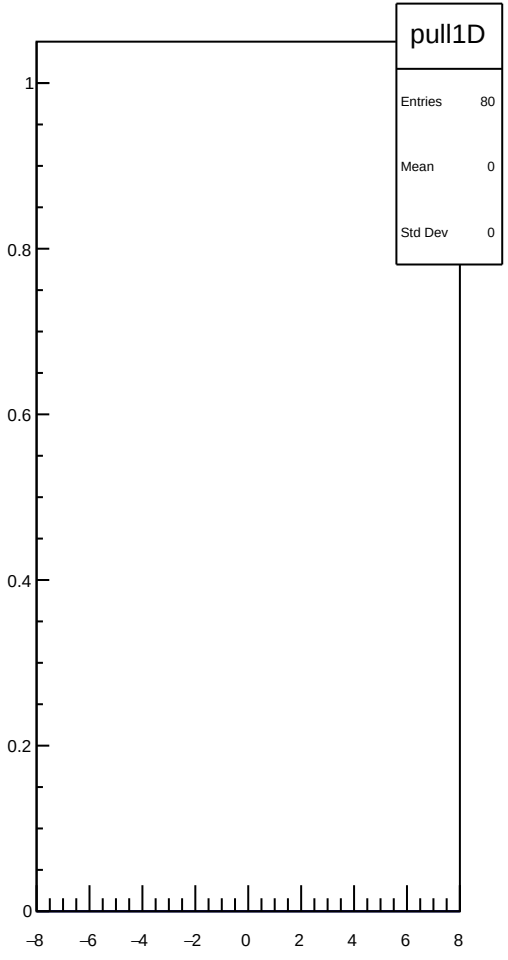

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

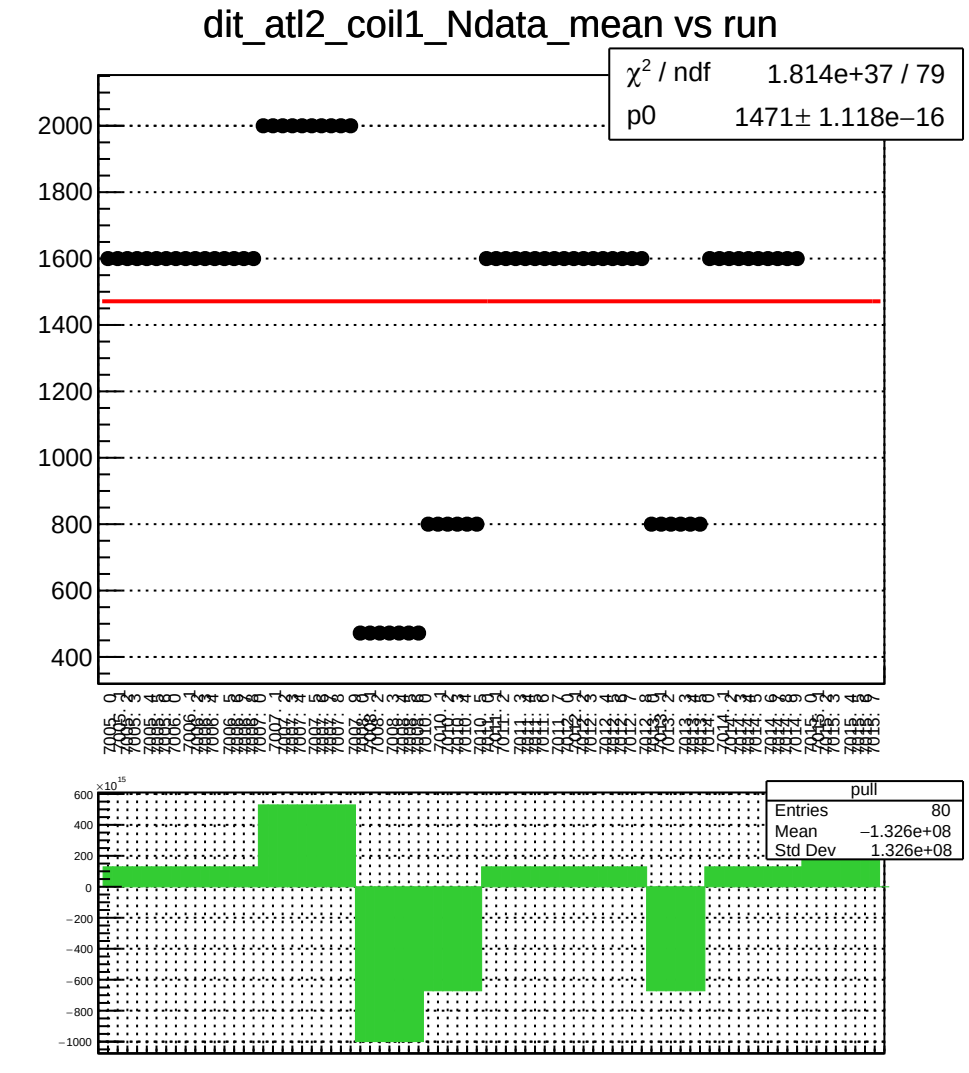

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

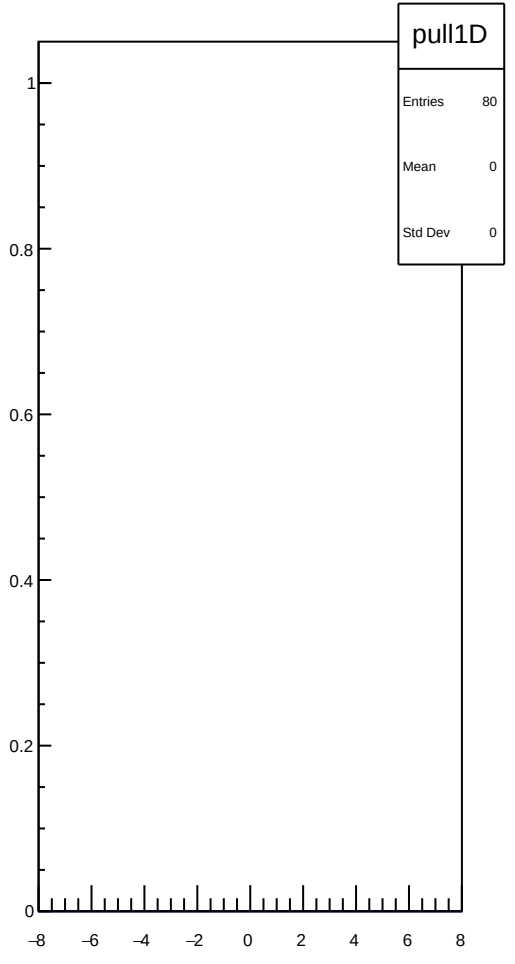

dit_atl2_coil1_mean vs run
χ² / ndf 2.029e+38 / 79
p0 5.385e+04 ± 1.118e−16
57000
56000
55000
54000
53000
52000
×10¹⁵
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −3.611e+10
Std Dev 3.611e+10

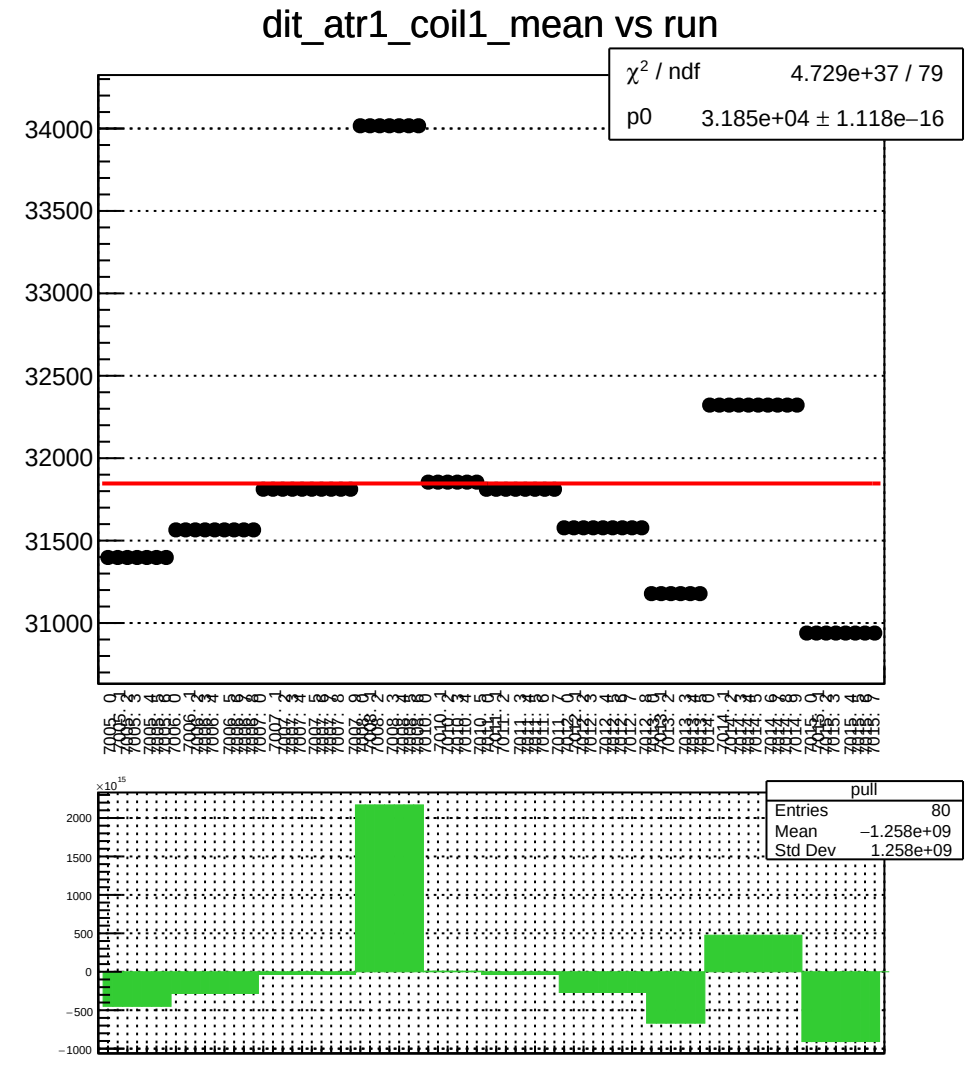

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

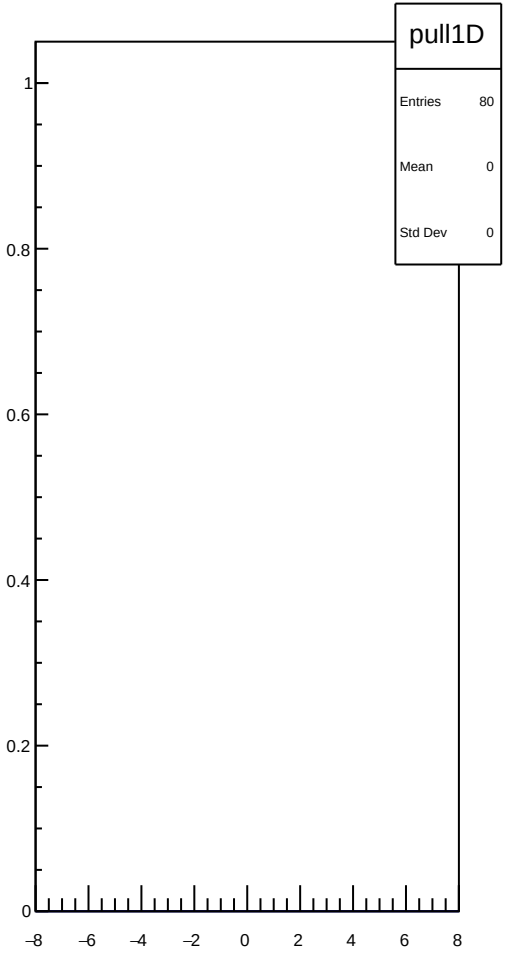

dit_atl2_coil1_err_mean vs run
χ² / ndf 6.477e+37 / 79
p0 3124 ± 1.118e−16
pull
Entries 80
Mean 8.207e+07
Std Dev 8.207e+07

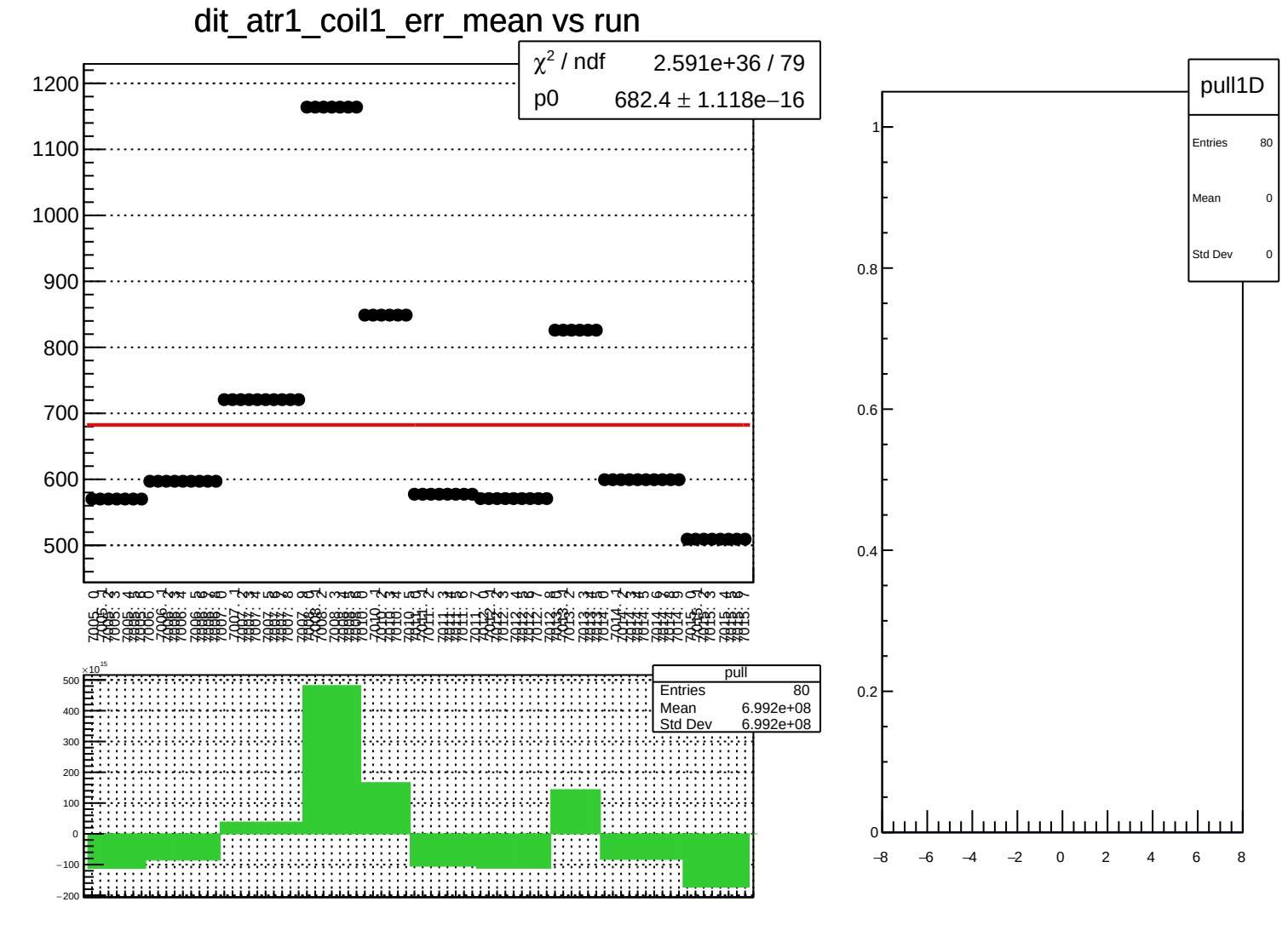

pull1D
Entries 80
Mean 0
Std Dev 0

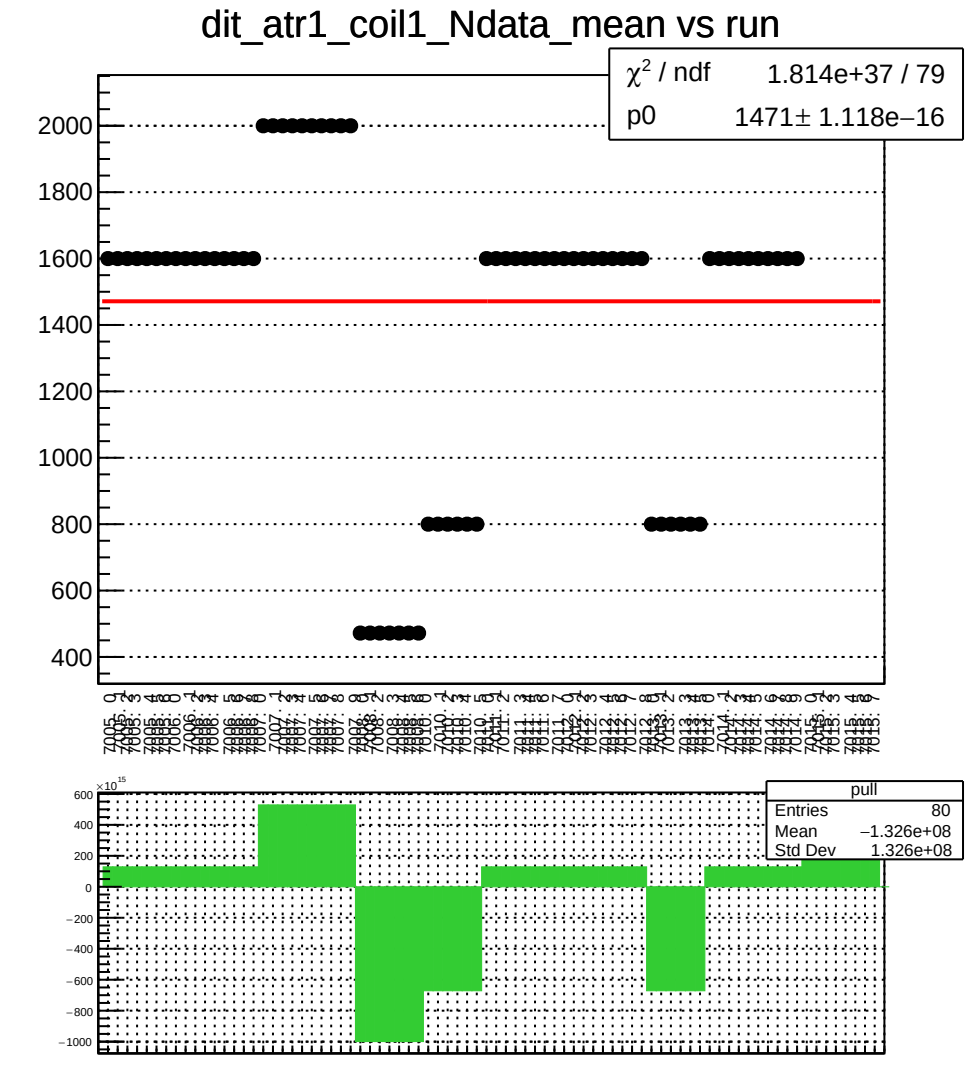

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

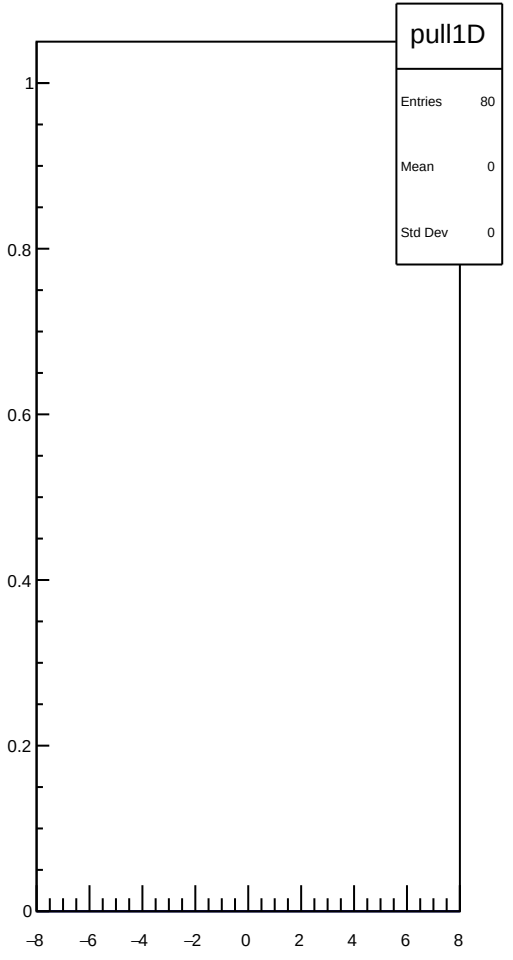

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

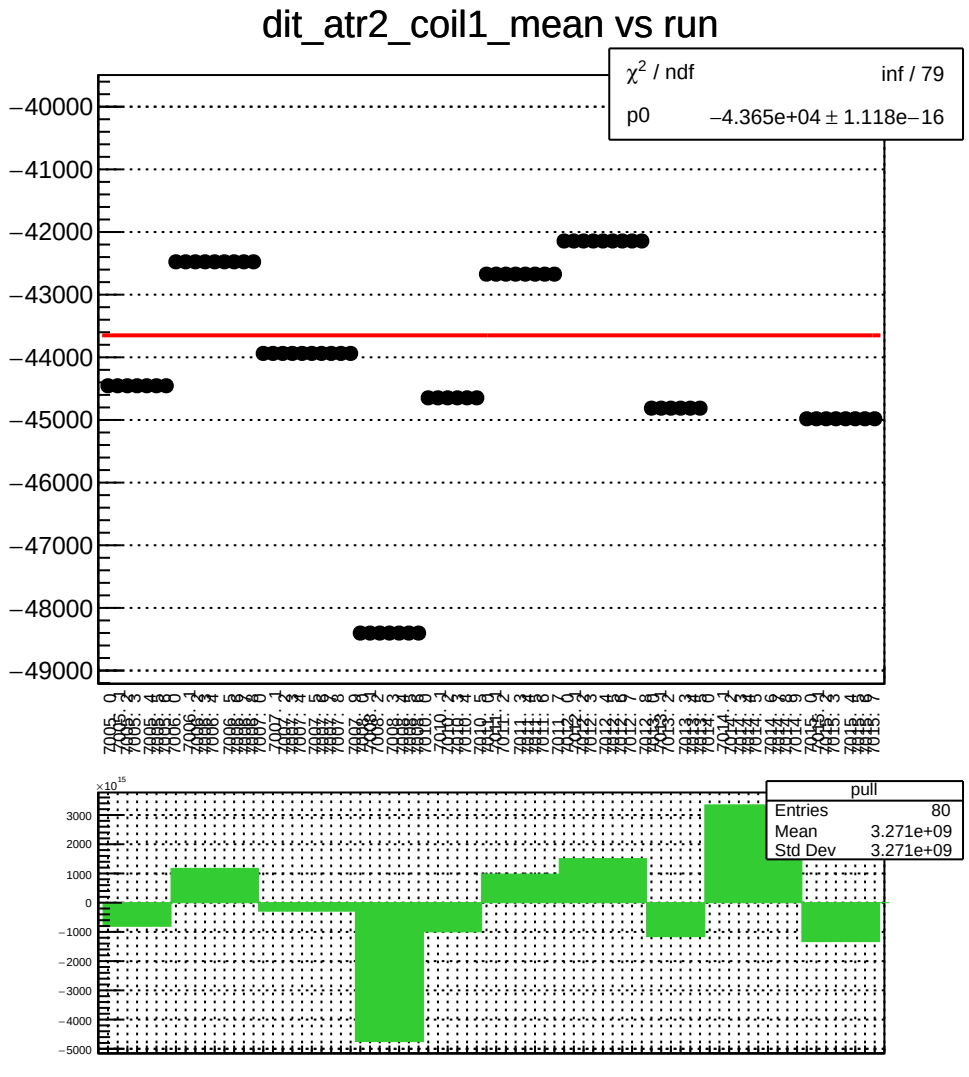

dit_atr1_coil1_mean vs run
χ² / ndf 4.729e+37 / 79
p0 3.185e+04 ± 1.118e−16
34000
33500
33000
32500
32000
31500
31000
×10¹⁵
2000
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean −1.258e+09
Std Dev 1.258e+09

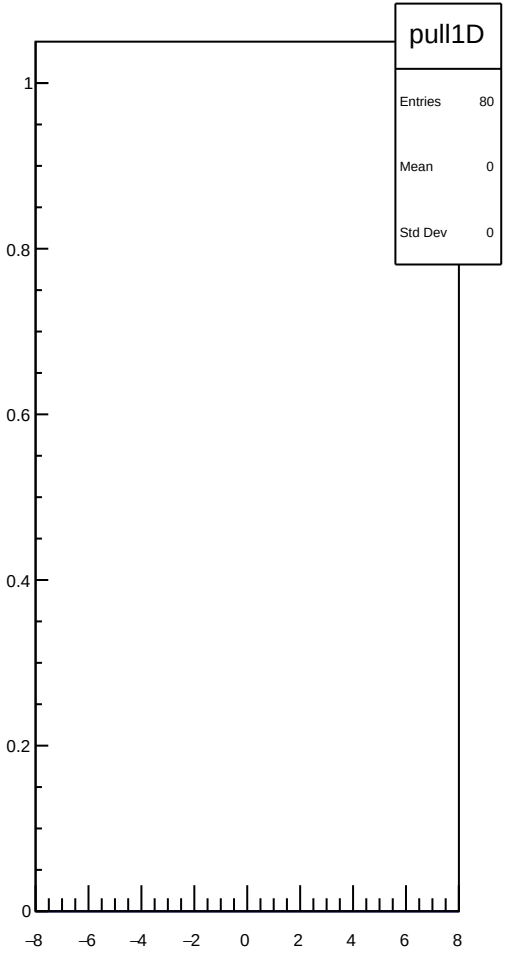

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

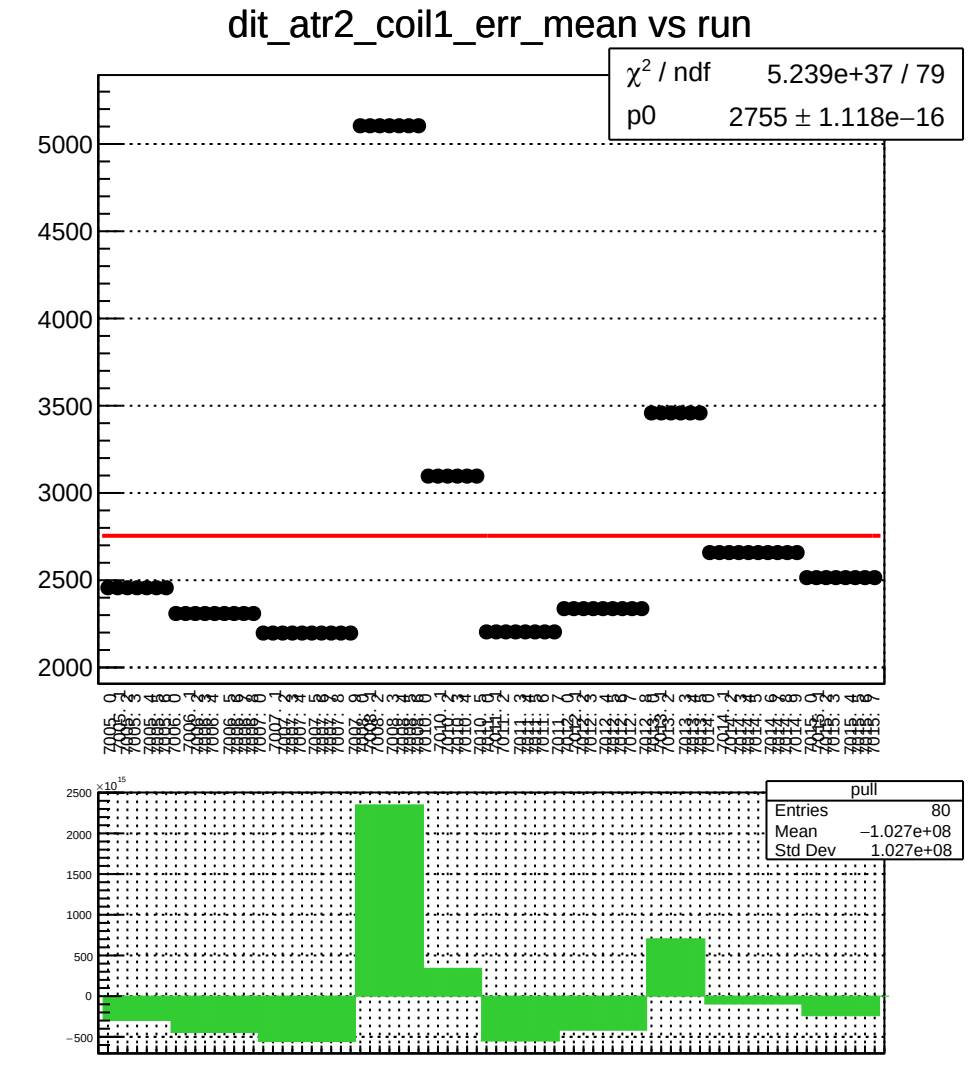

dit_atr1_coil1_err_mean vs run
χ² / ndf 2.591e+36 / 79
p0 682.4 ± 1.118e−16
1200
1100
1000
900
800
700
600
500
pull
Entries 80
Mean 6.992e+08
Std Dev 6.992e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

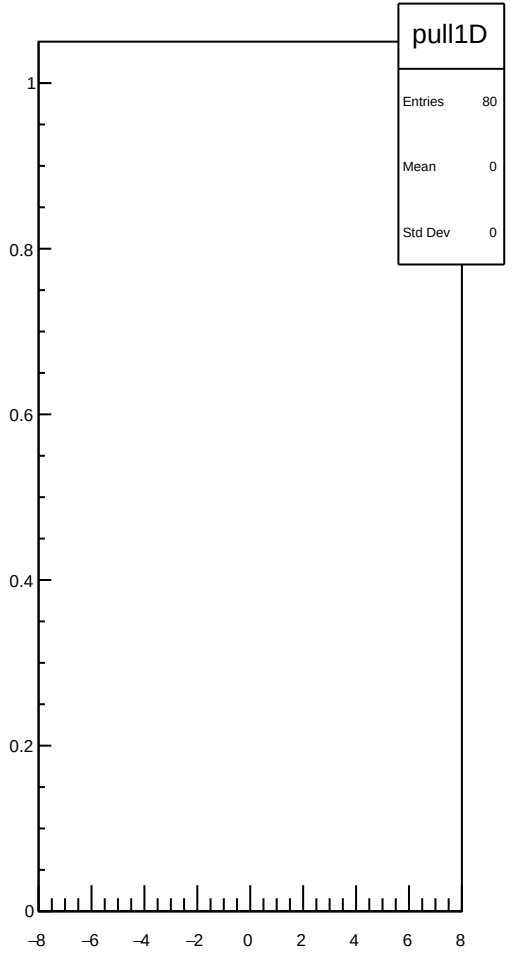

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08

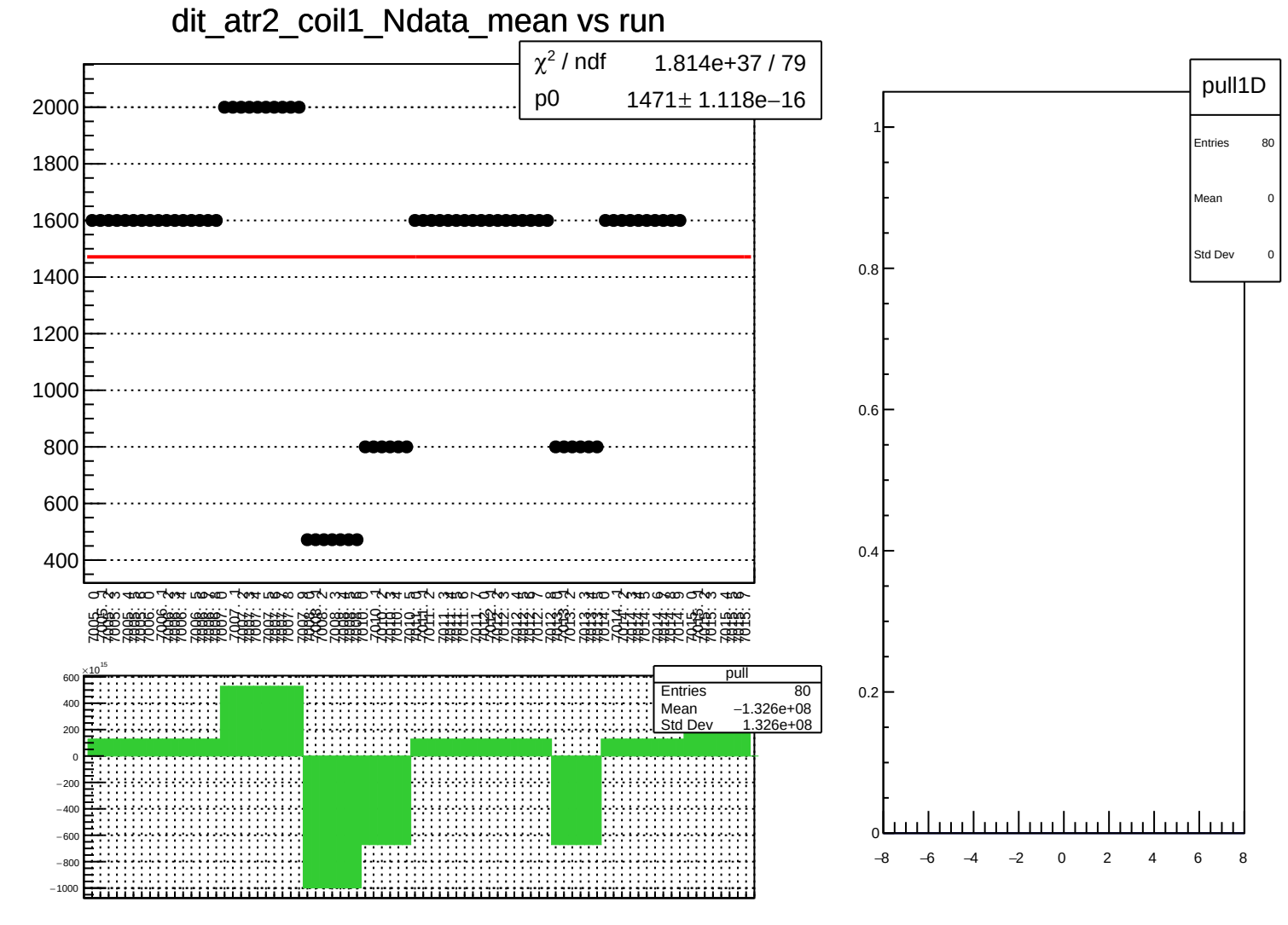

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

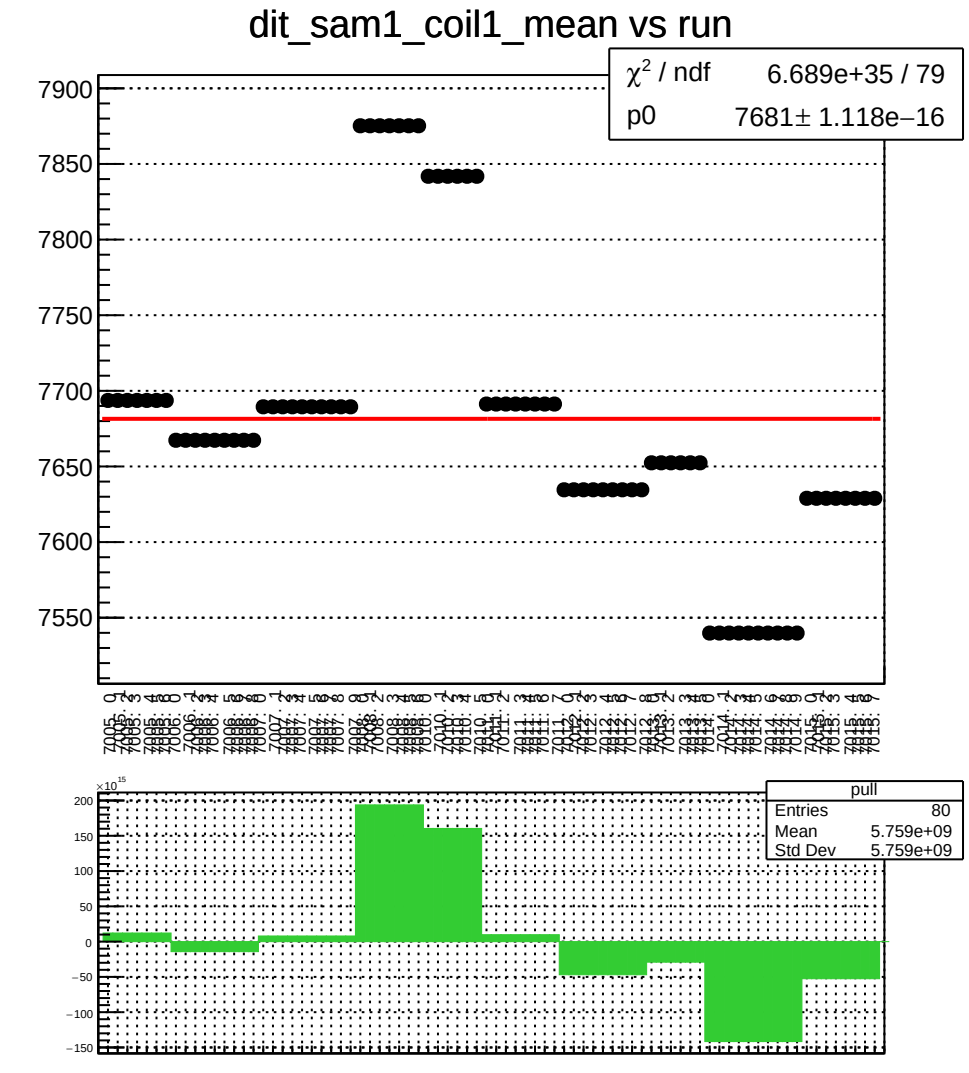

dit_atr2_coil1_mean vs run
χ² / ndf inf / 79
p0 −4.365e+04 ± 1.118e−16
−40000
−41000
−42000
−43000
−44000
−45000
−46000
−47000
−48000
−49000
pull
Entries 80
Mean 3.271e+09
Std Dev 3.271e+09
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000

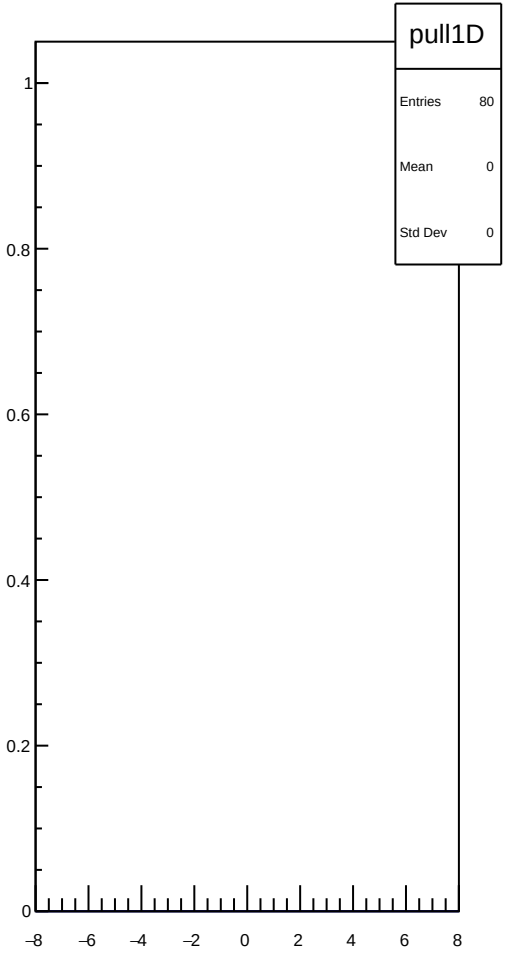

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

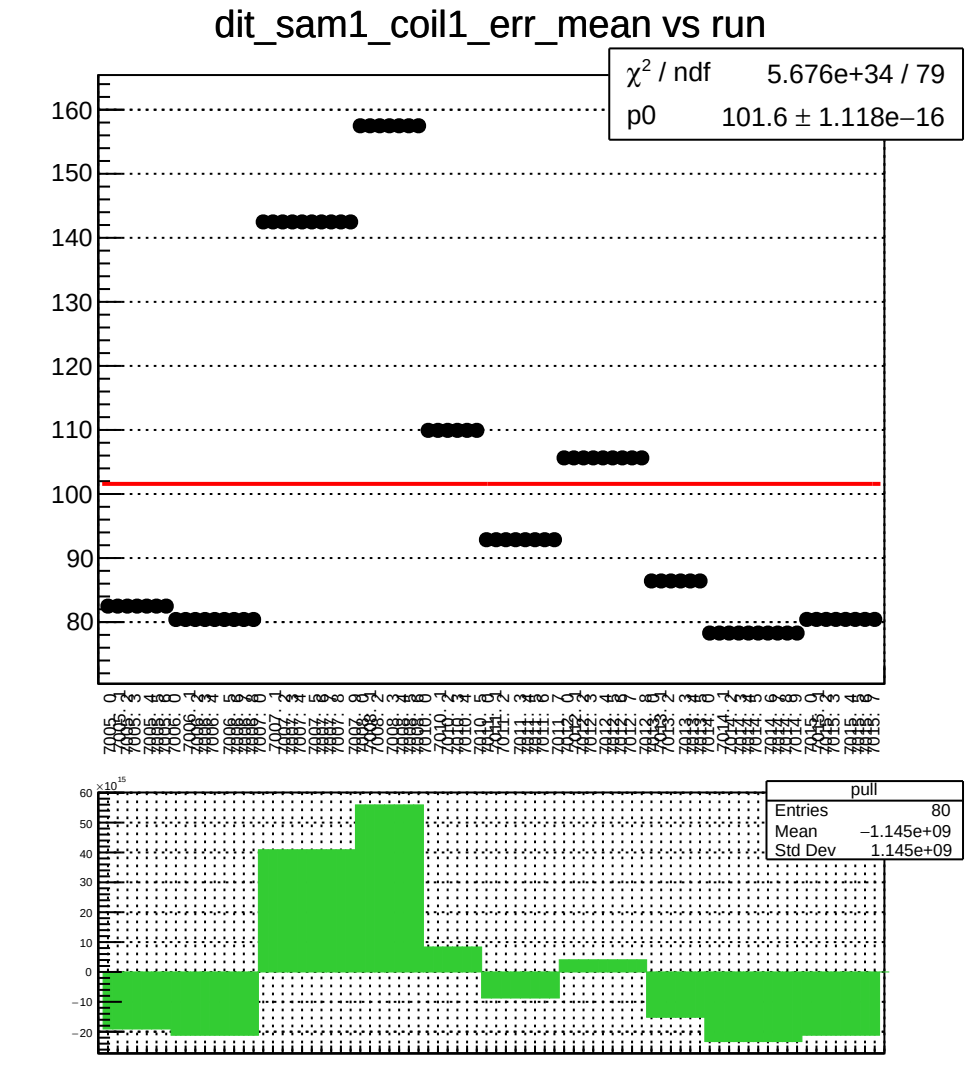

dit_atr2_coil1_err_mean vs run
χ² / ndf 5.239e+37 / 79
p0 2755 ± 1.118e−16
5000
4500
4000
3500
3000
2500
2000
pull
Entries 80
Mean −1.027e+08
Std Dev 1.027e+08
×10¹⁵
2500
2000
1500
1000
500
0
−500

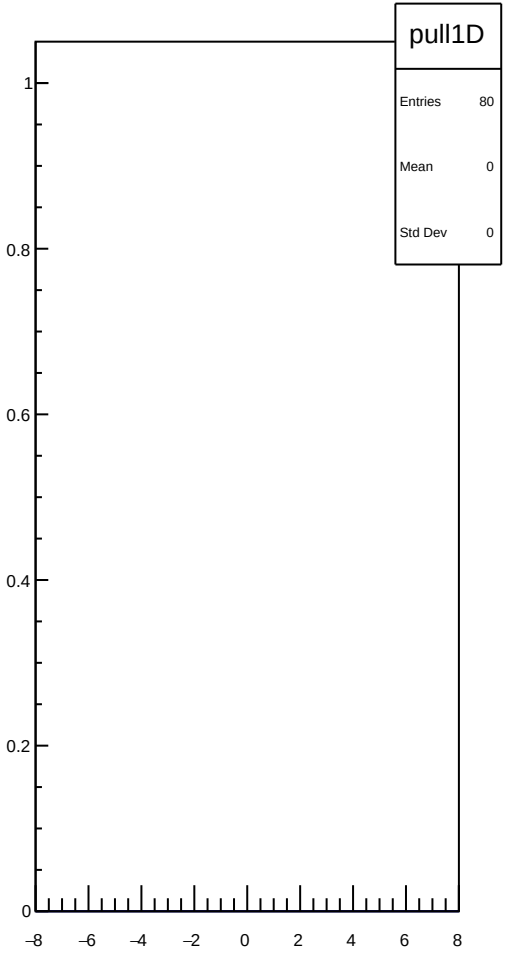

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

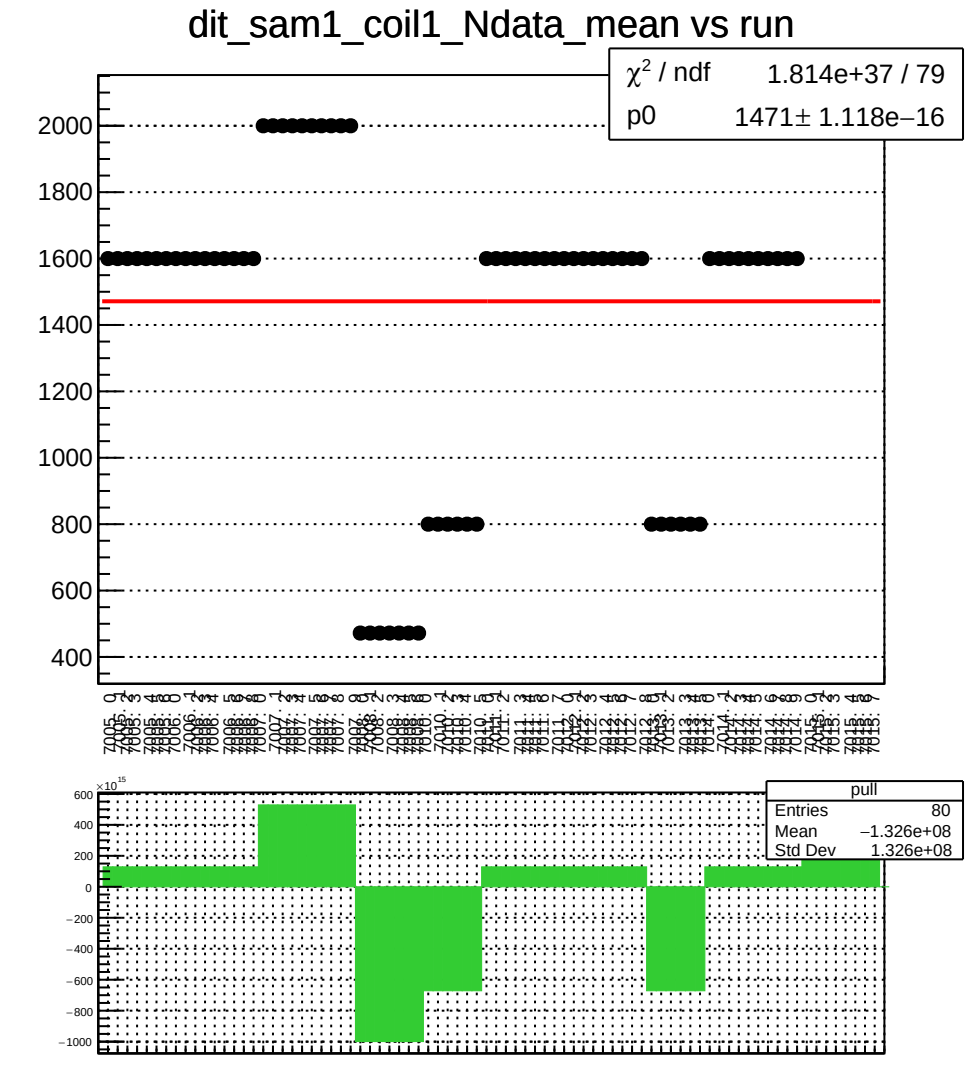

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

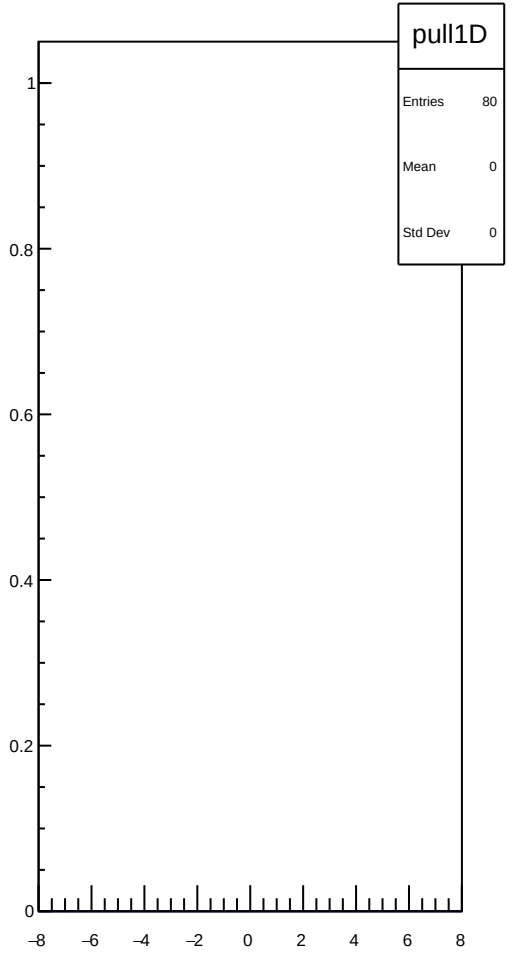

dit_sam1_coil1_mean vs run
χ² / ndf 6.689e+35 / 79
p0 7681± 1.118e−16
pull
Entries 80
Mean 5.759e+09
Std Dev 5.759e+09

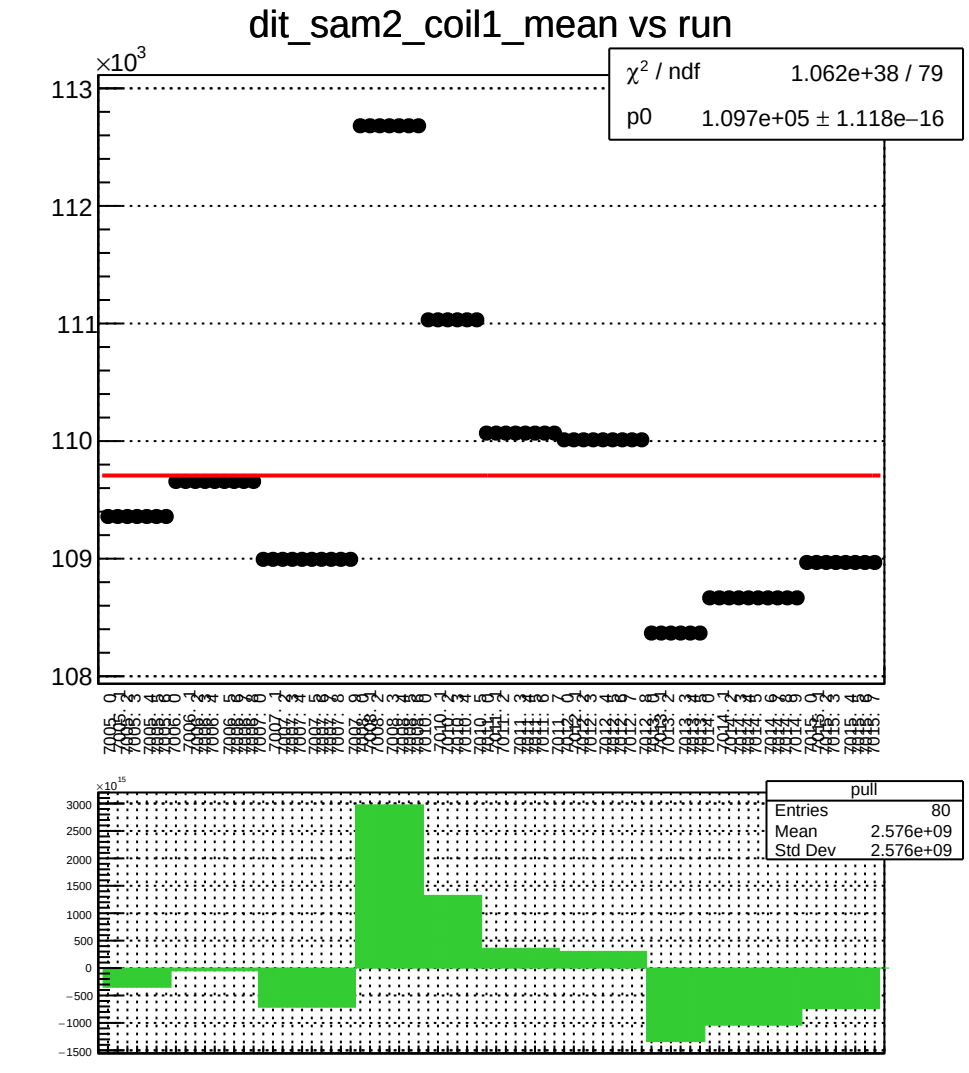

pull1D
Entries 80
Mean 0
Std Dev 0

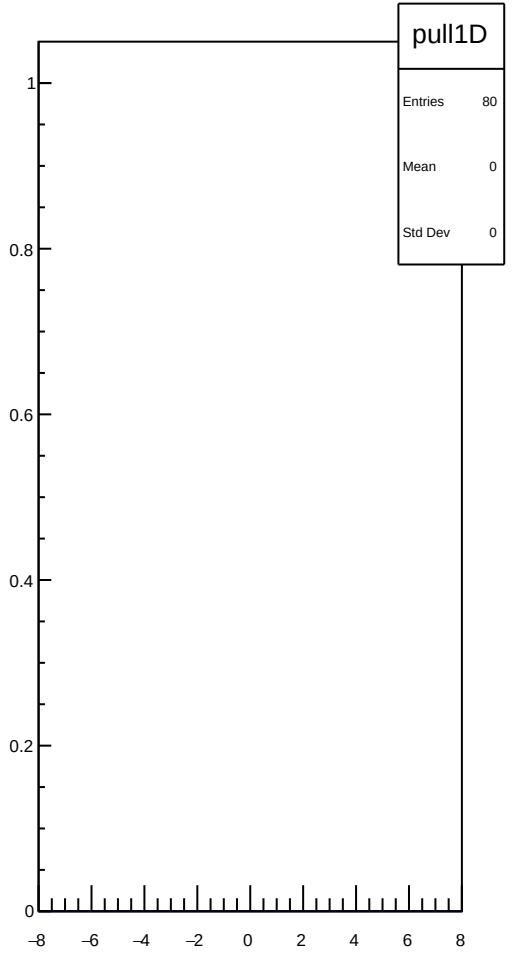

dit_sam1_coil1_err_mean vs run
χ² / ndf 5.676e+34 / 79
p0 101.6 ± 1.118e−16
160
150
140
130
120
110
100
90
80
×10¹⁵
60
50
40
30
20
10
0
−10
−20
pull
Entries 80
Mean −1.145e+09
Std Dev 1.145e+09

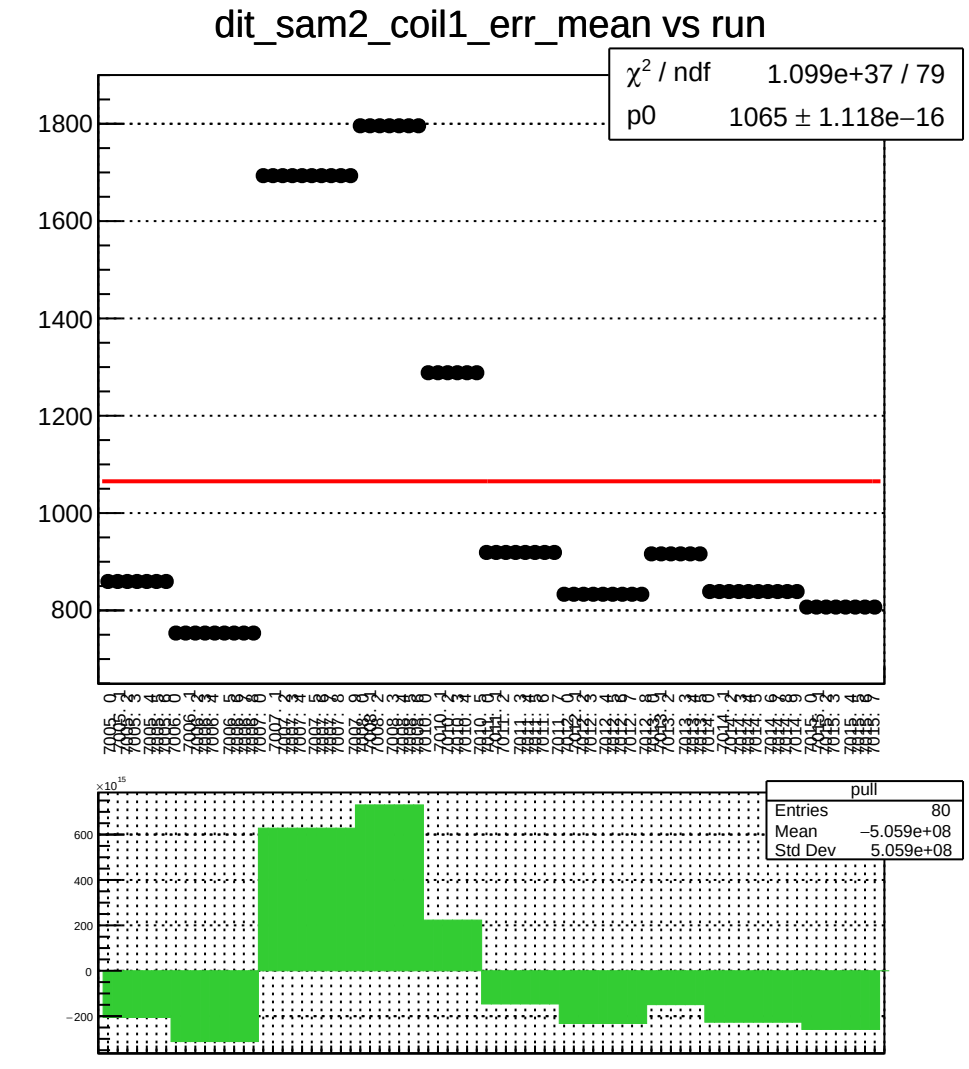

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

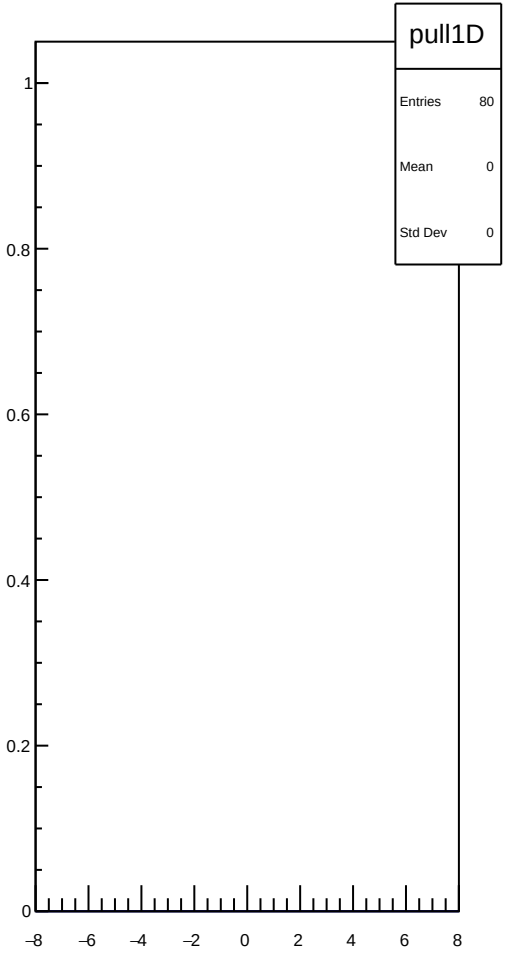

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

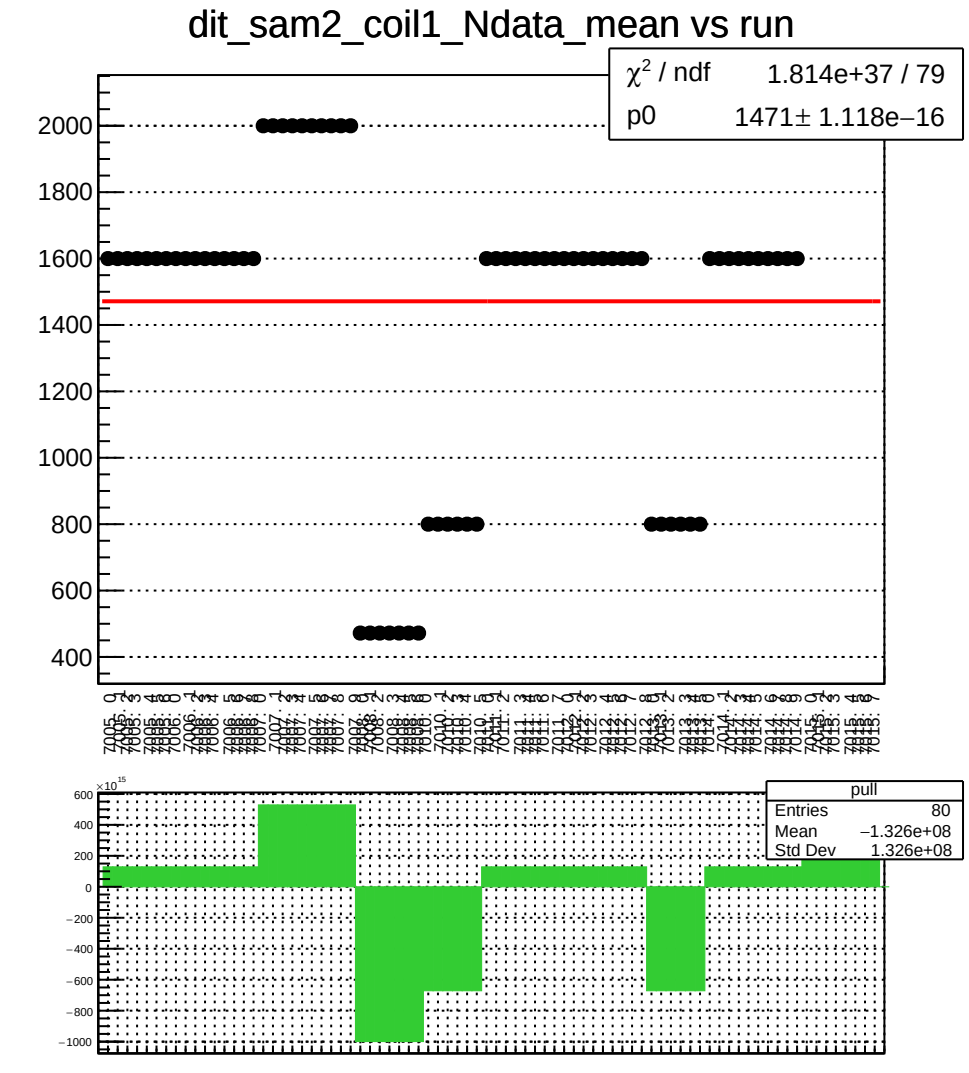

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

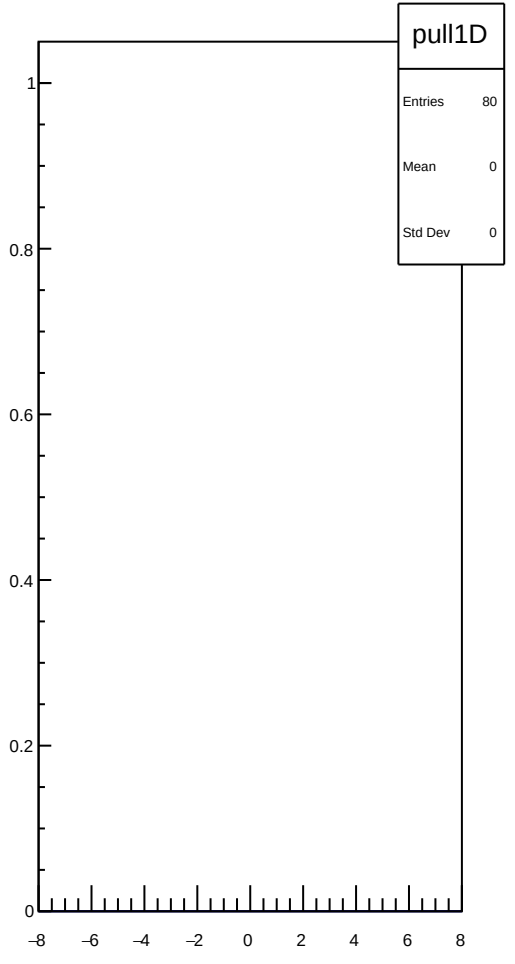

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf 1.062e+38 / 79
p0 1.097e+05 ± 1.118e−16
113
112
111
110
109
108
×10^15
pull
Entries 80
Mean 2.576e+09
Std Dev 2.576e+09
3000
2500
2000
1500
1000
500
0
−500
−1000
−1500

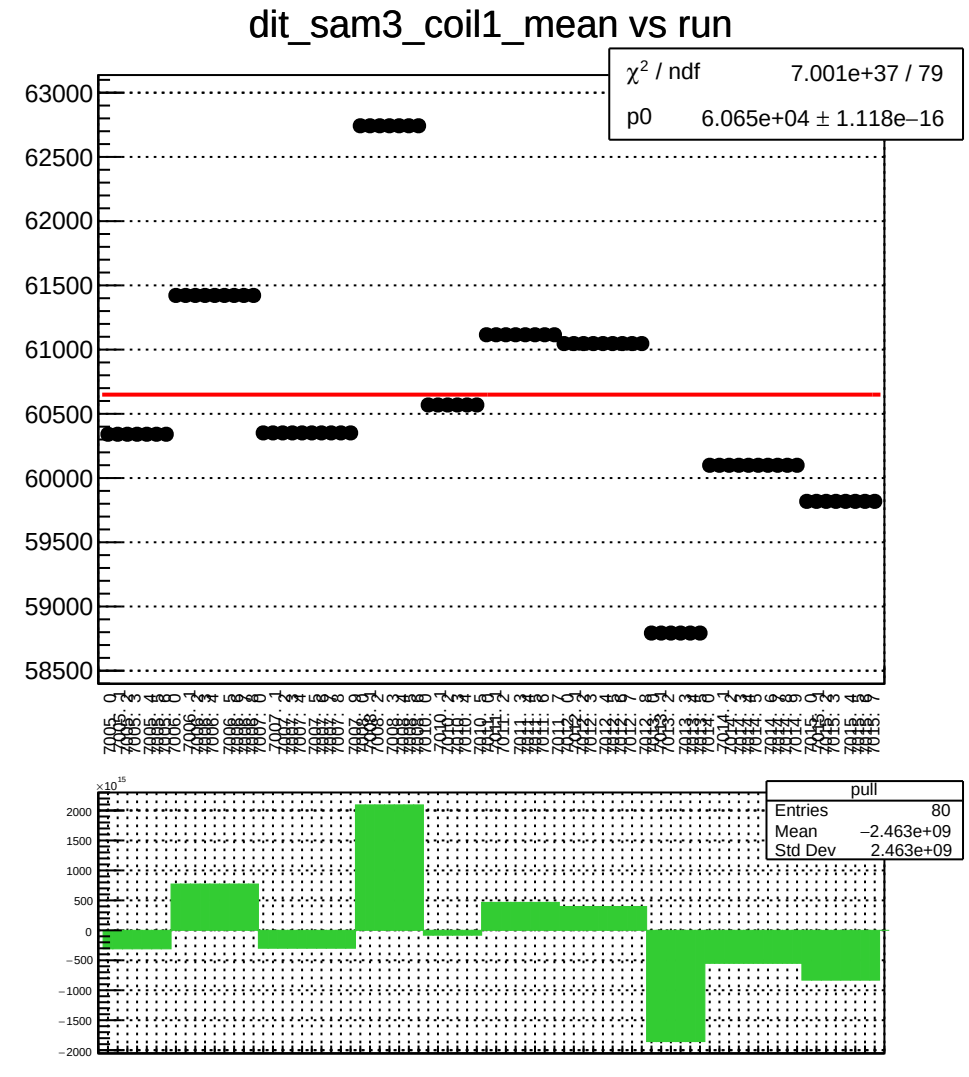

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

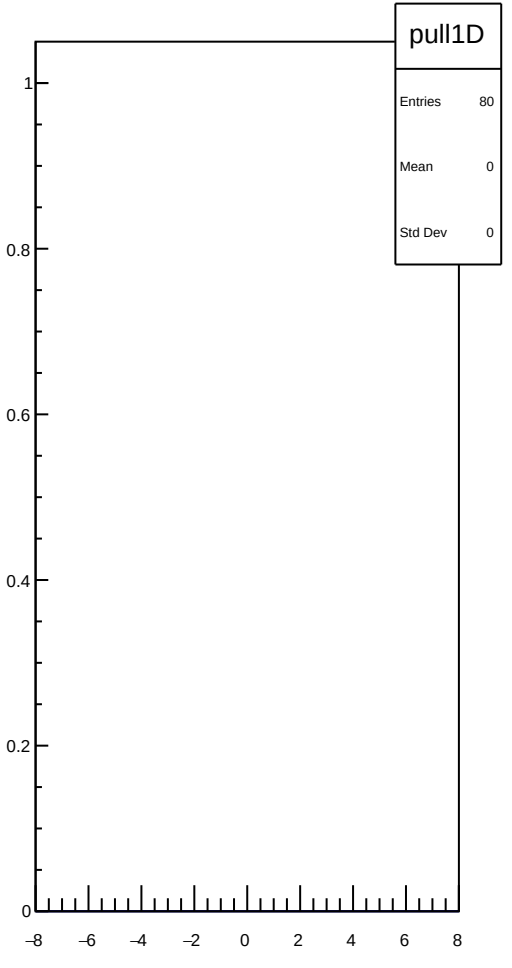

dit_sam2_coil1_err_mean vs run
χ² / ndf 1.099e+37 / 79
p0 1065 ± 1.118e−16
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.059e+08
Std Dev 5.059e+08
×10¹⁵
600
400
200
0
−200

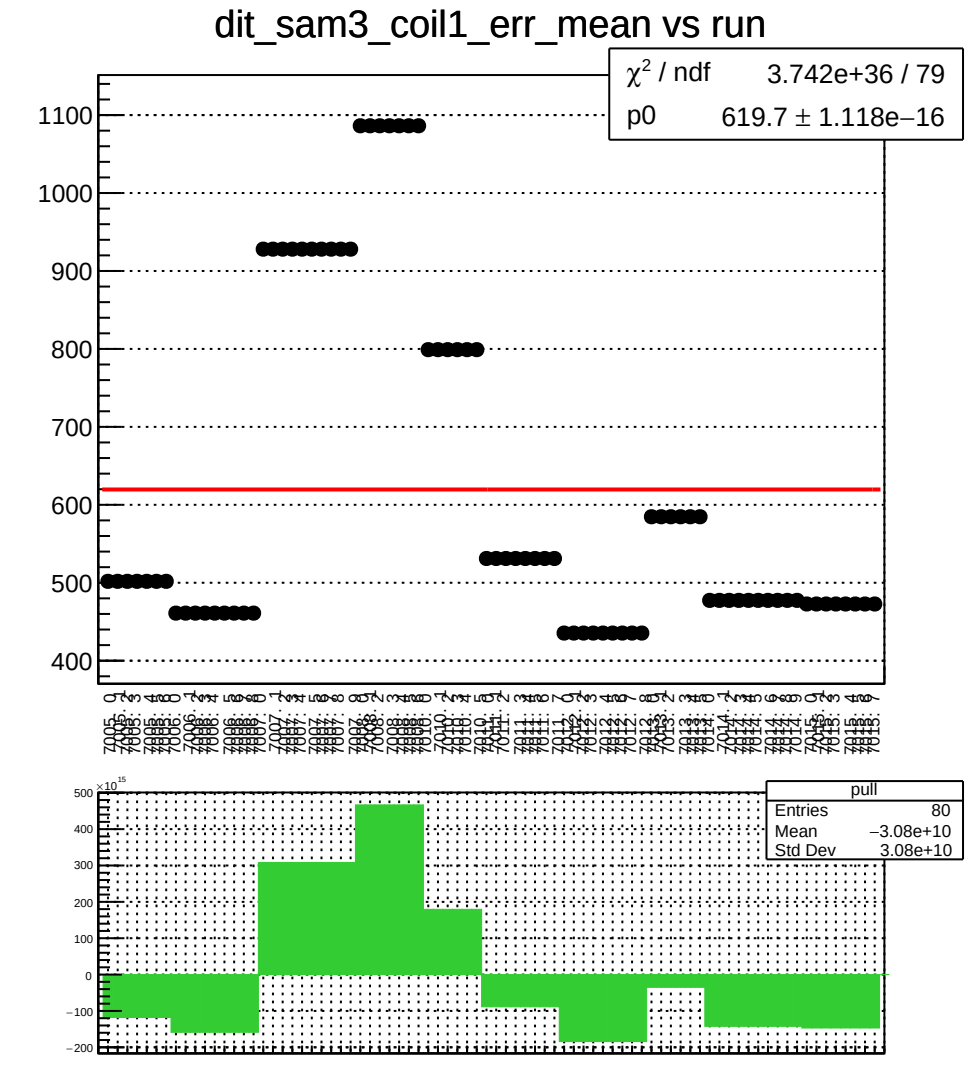

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

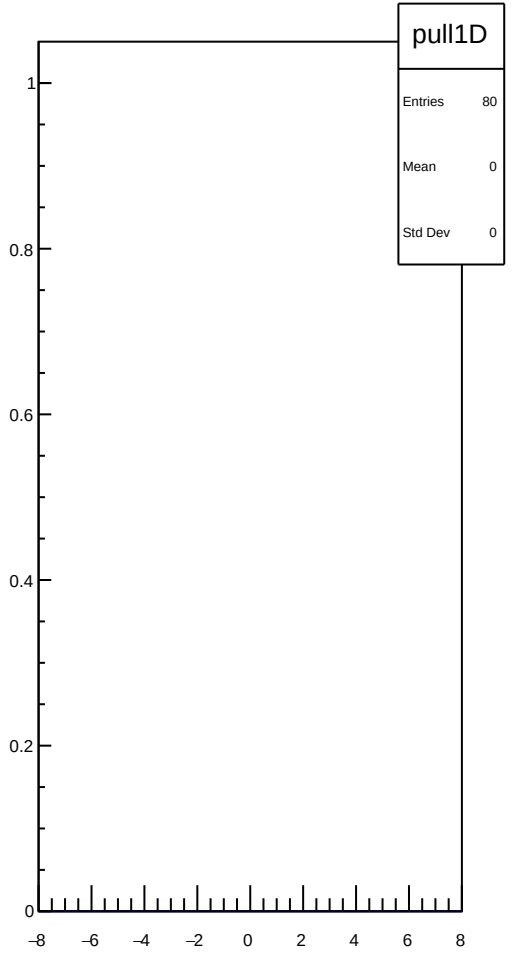

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

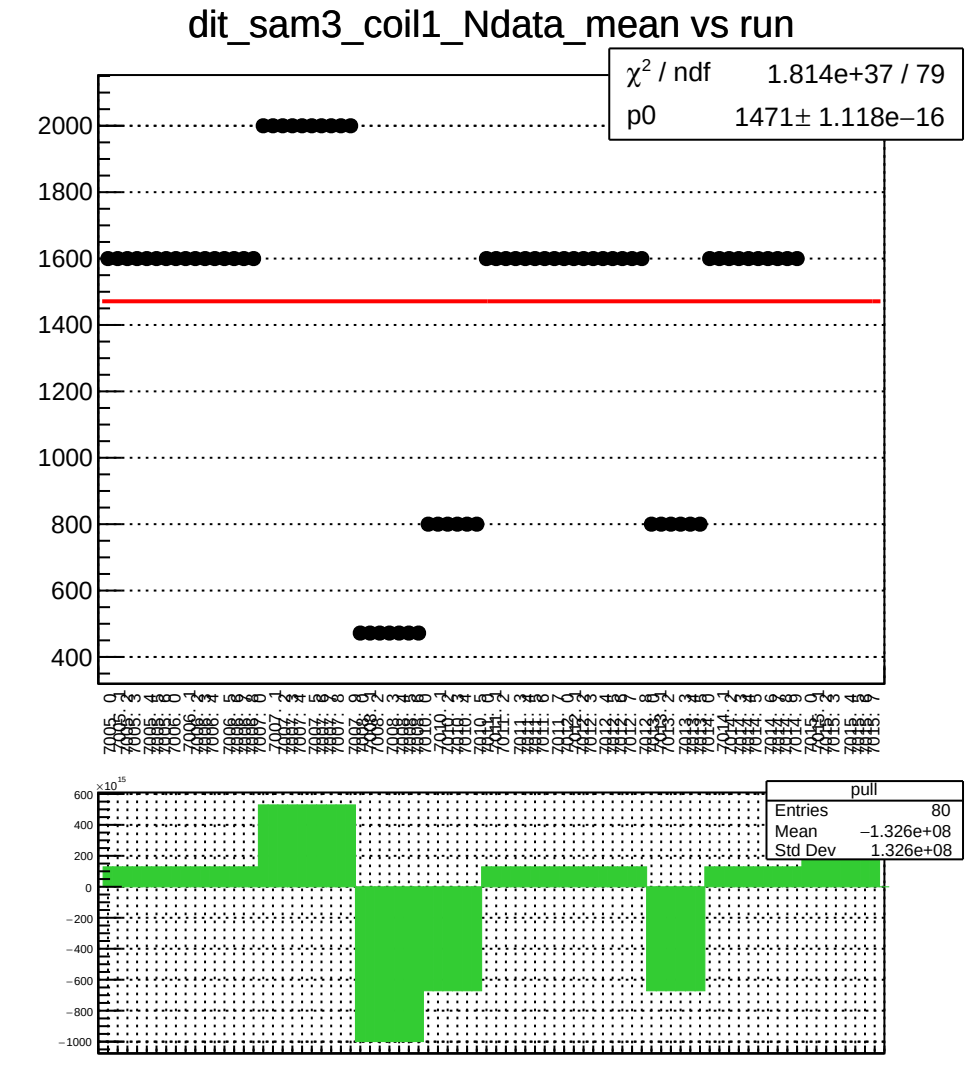

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

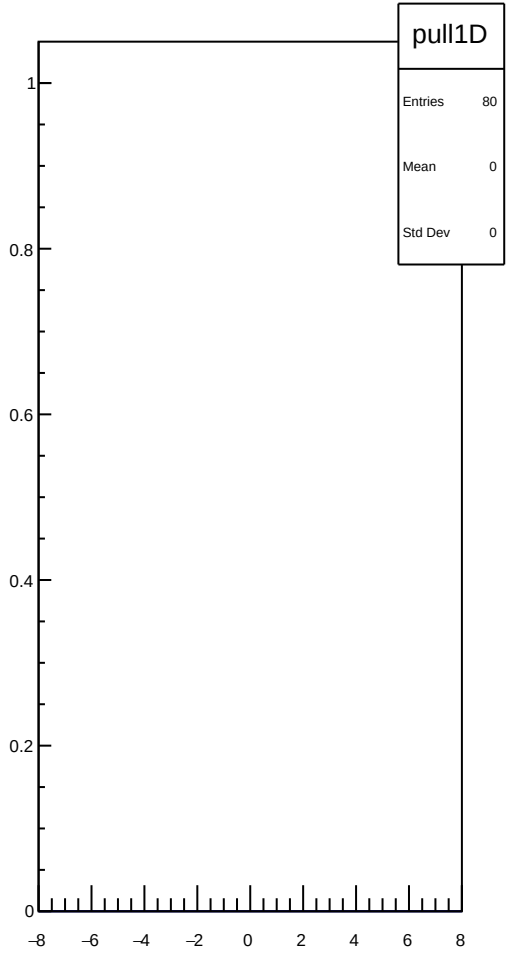

dit_sam3_coil1_mean vs run
χ² / ndf 7.001e+37 / 79
p0 6.065e+04 ± 1.118e−16
63000
62500
62000
61500
61000
60500
60000
59500
59000
58500
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 80
Mean −2.463e+09
Std Dev 2.463e+09

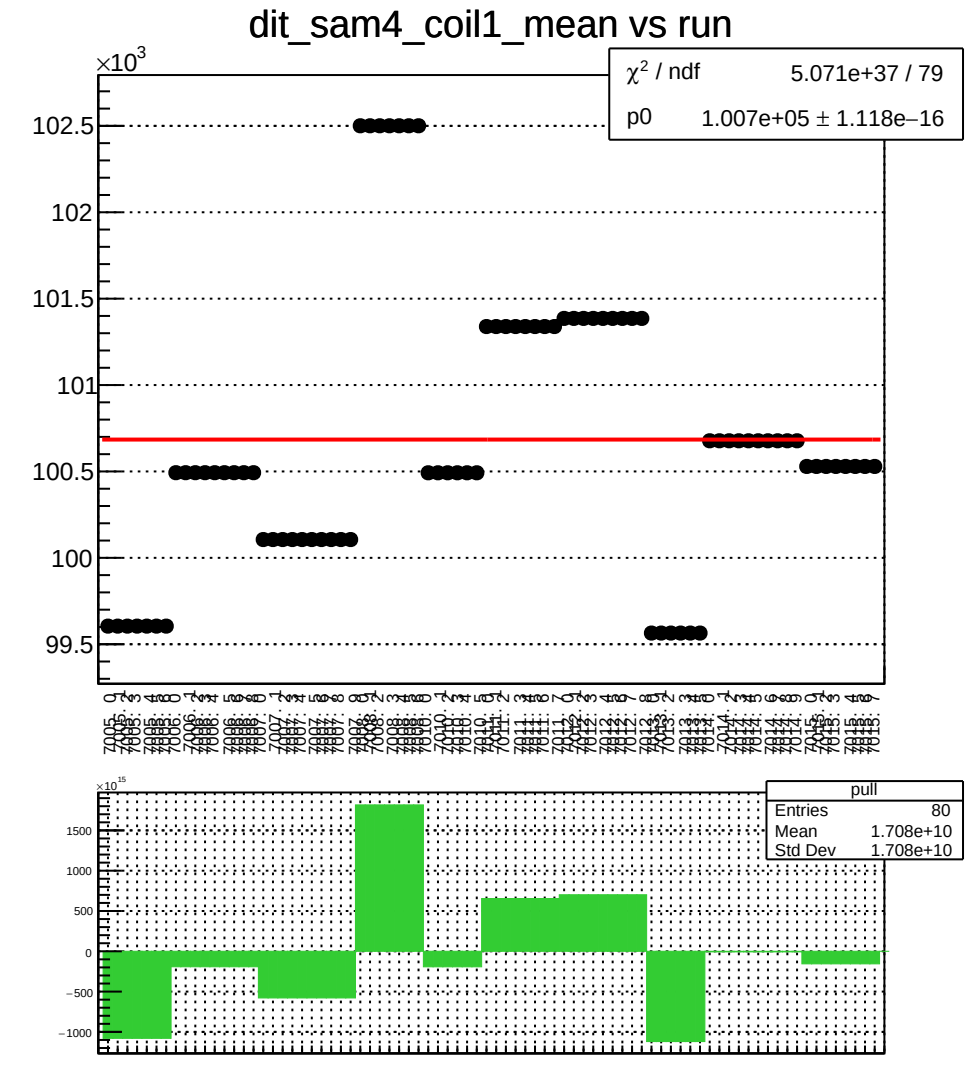

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

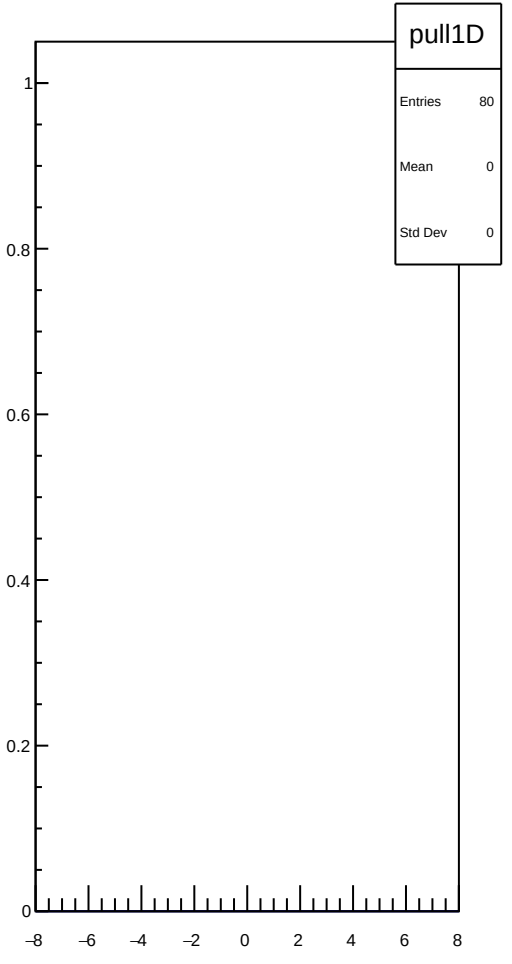

dit_sam3_coil1_err_mean vs run
χ² / ndf 3.742e+36 / 79
p0 619.7 ± 1.118e−16
pull
Entries 80
Mean −3.08e+10
Std Dev 3.08e+10

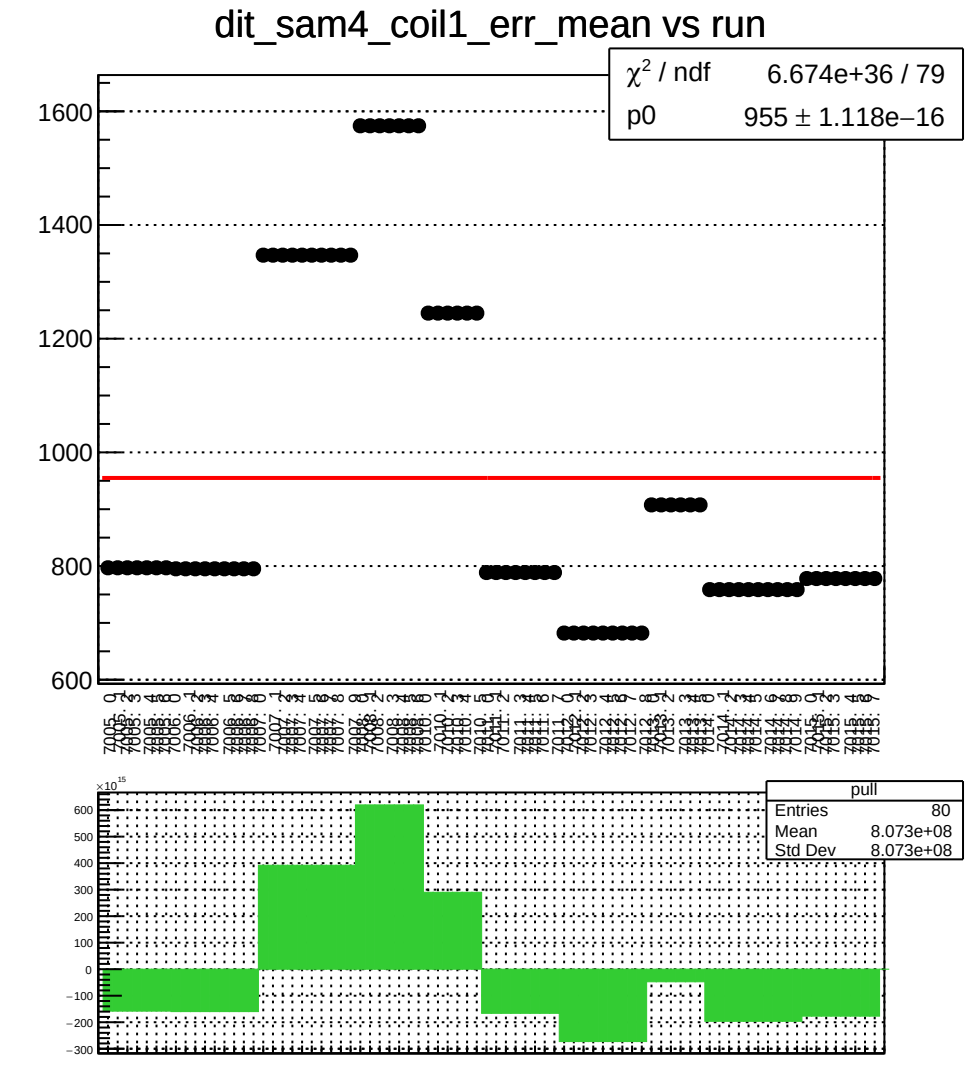

pull1D
Entries 80
Mean 0
Std Dev 0

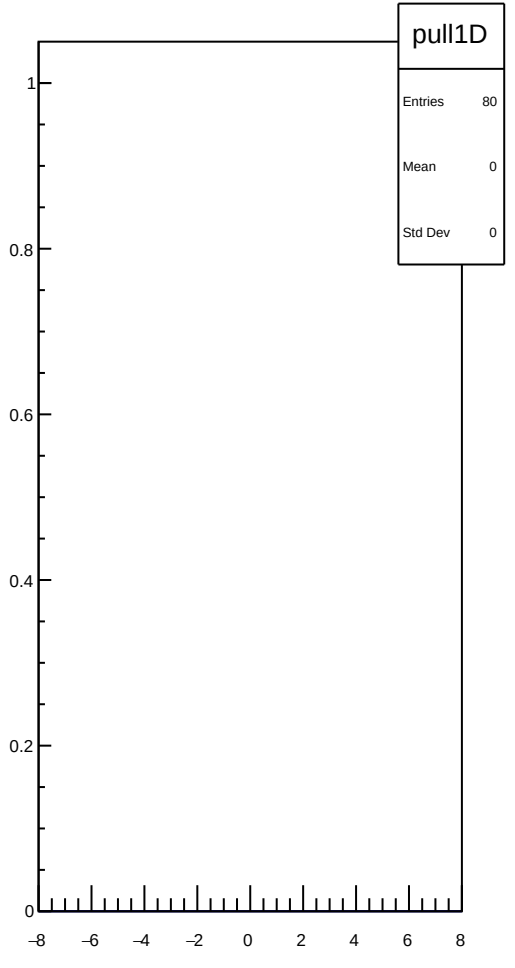

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

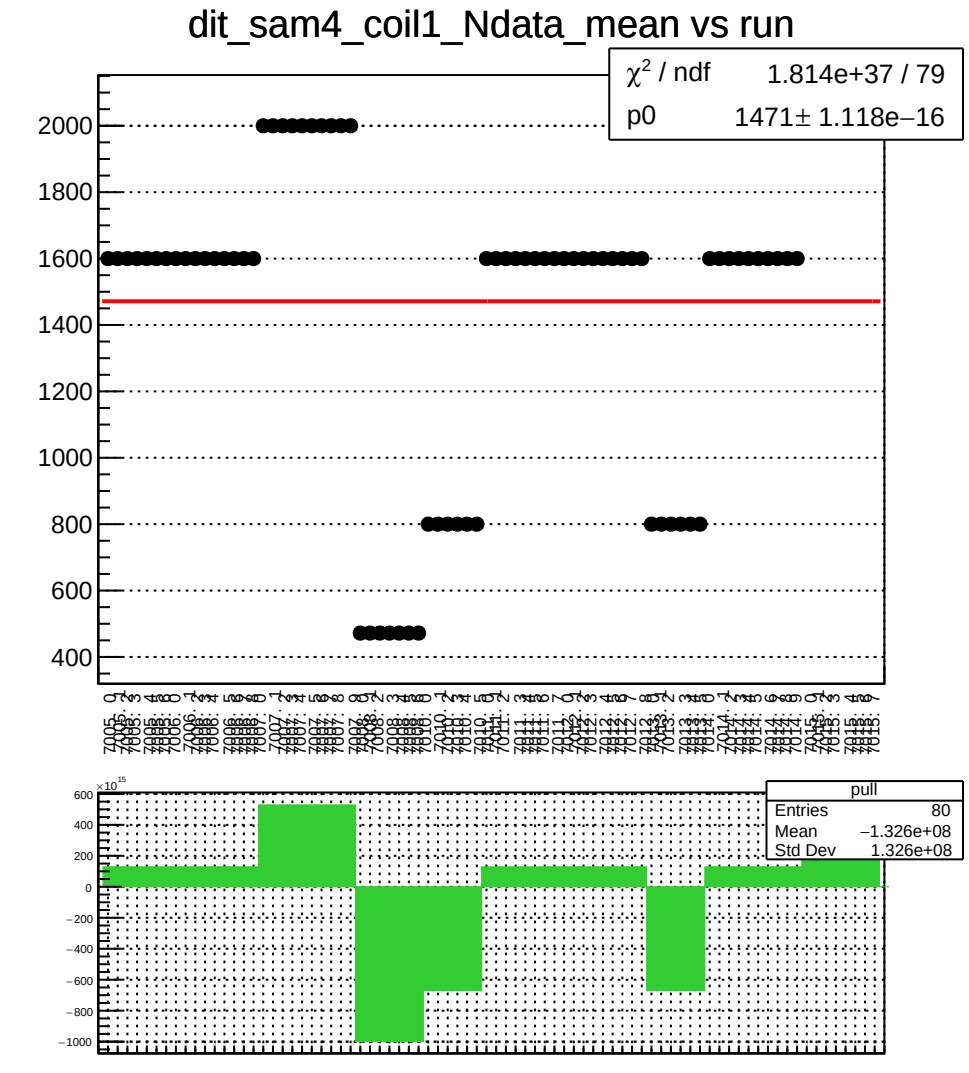

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

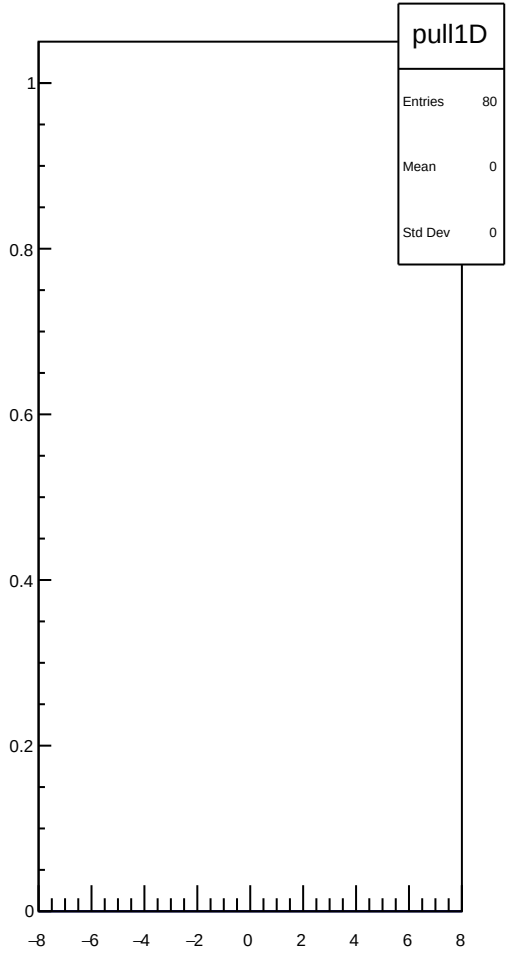

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf 5.071e+37 / 79
p0 1.007e+05 ± 1.118e−16
102.5
102
101.5
101
100.5
100
99.5
×10^15
pull
Entries 80
Mean 1.708e+10
Std Dev 1.708e+10
1500
1000
500
0
−500
−1000

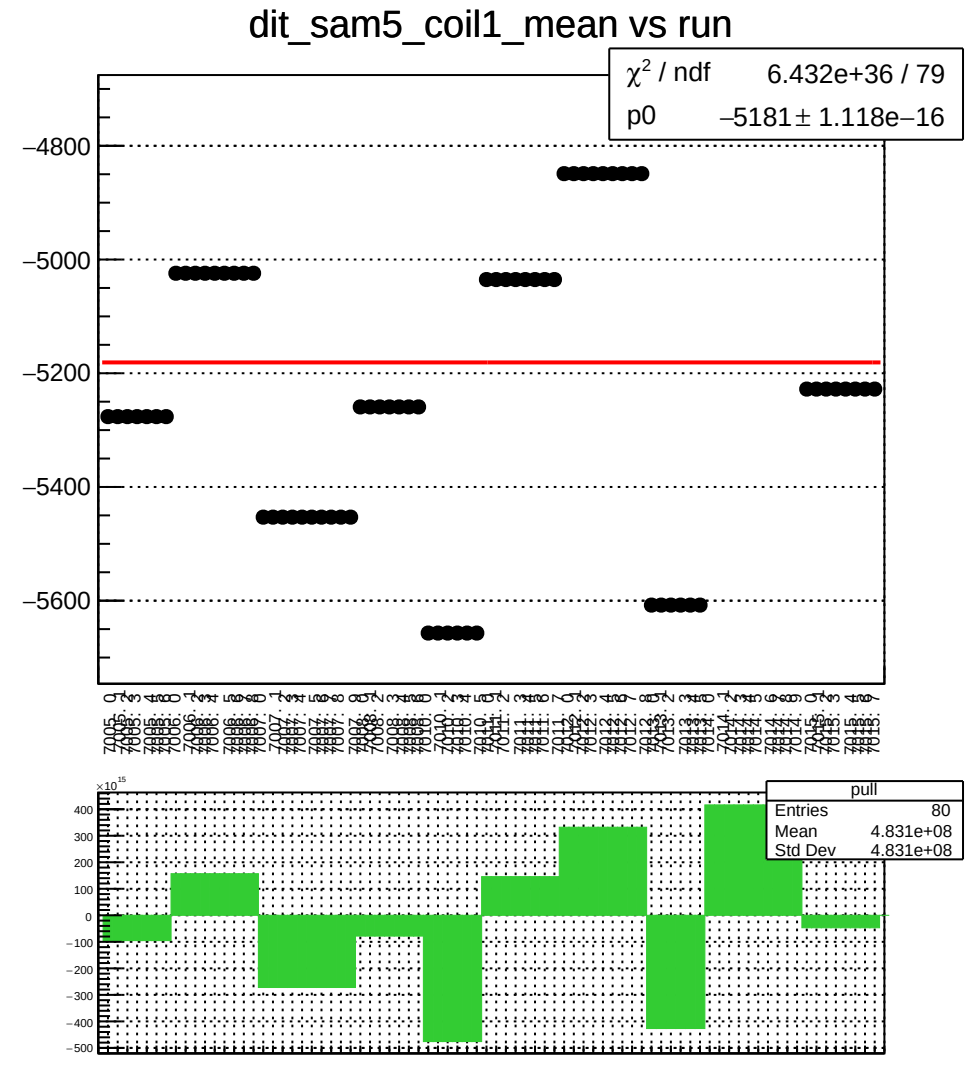

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

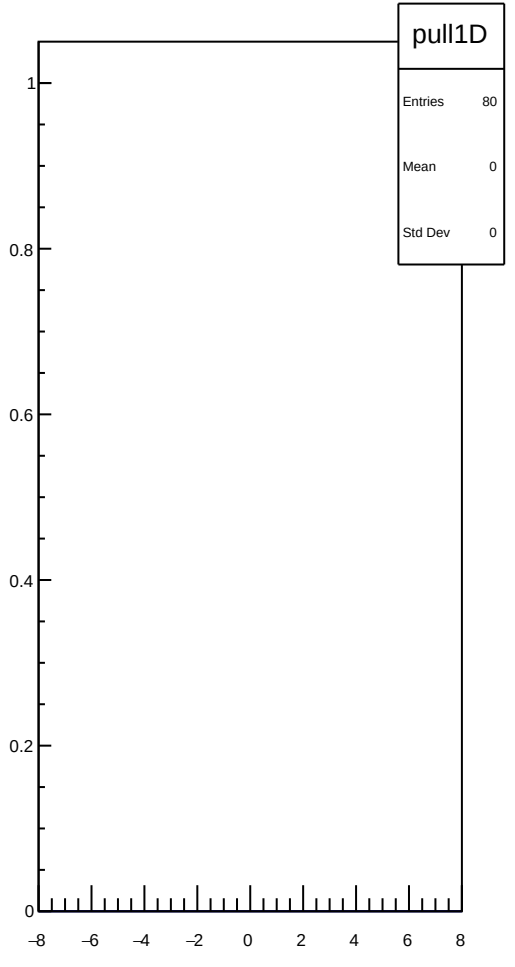

dit_sam4_coil1_err_mean vs run
χ² / ndf 6.674e+36 / 79
p0 955 ± 1.118e−16
1600
1400
1200
1000
800
600
pull
Entries 80
Mean 8.073e+08
Std Dev 8.073e+08
×10¹⁵
600
500
400
300
200
100
0
−100
−200
−300

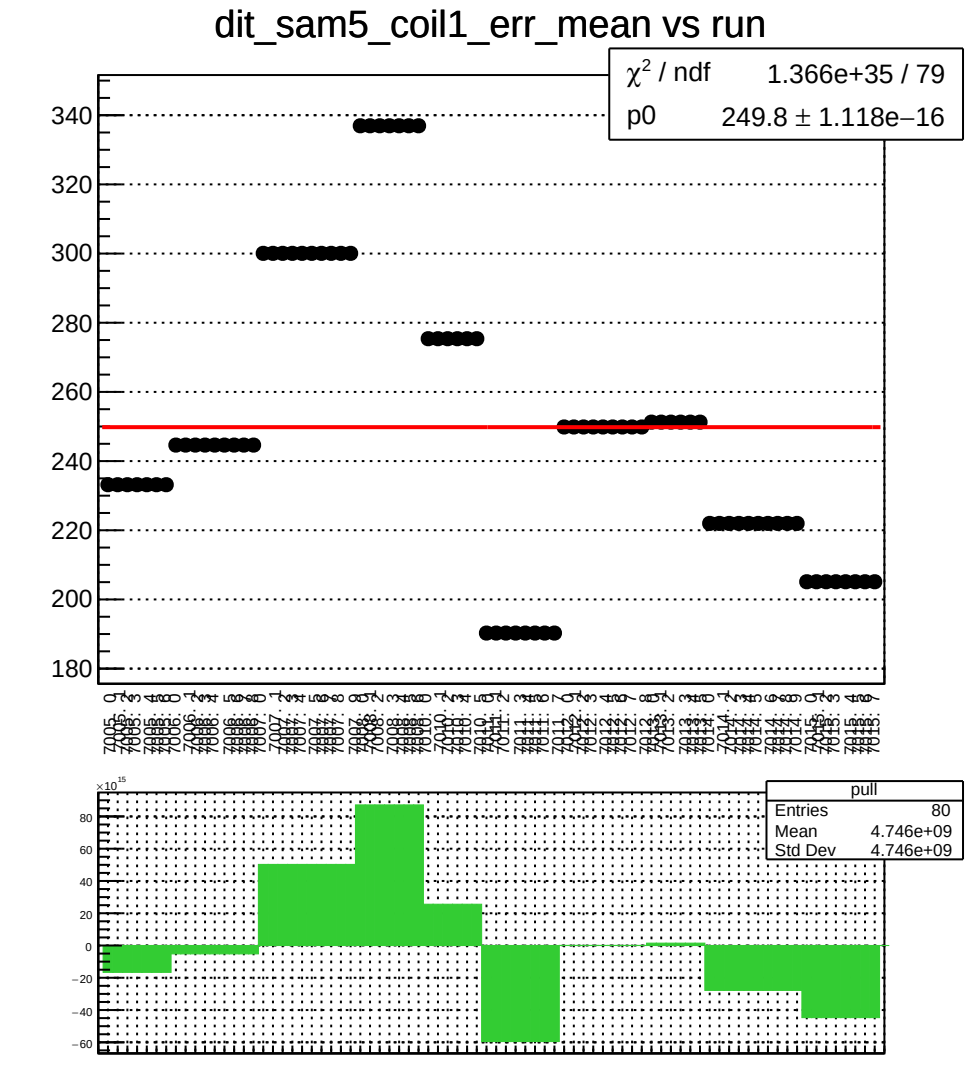

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

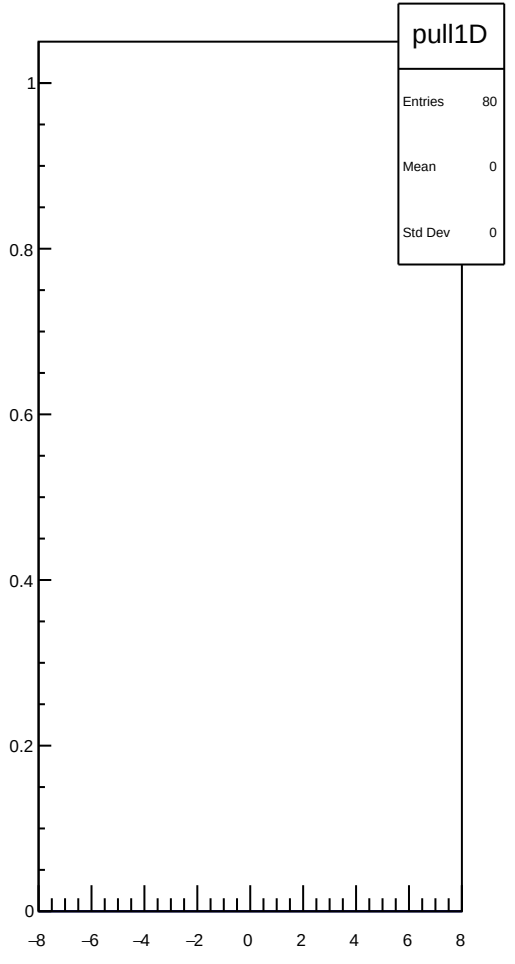

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

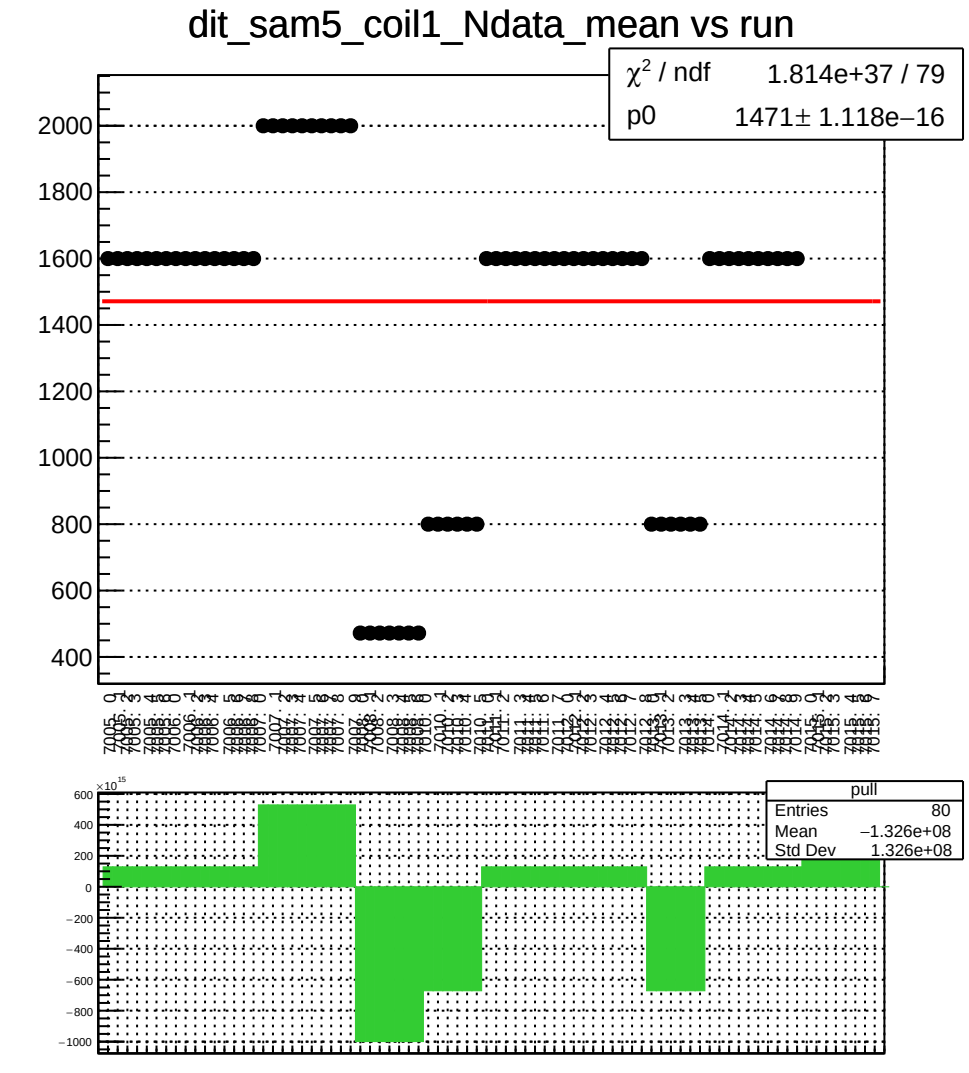

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

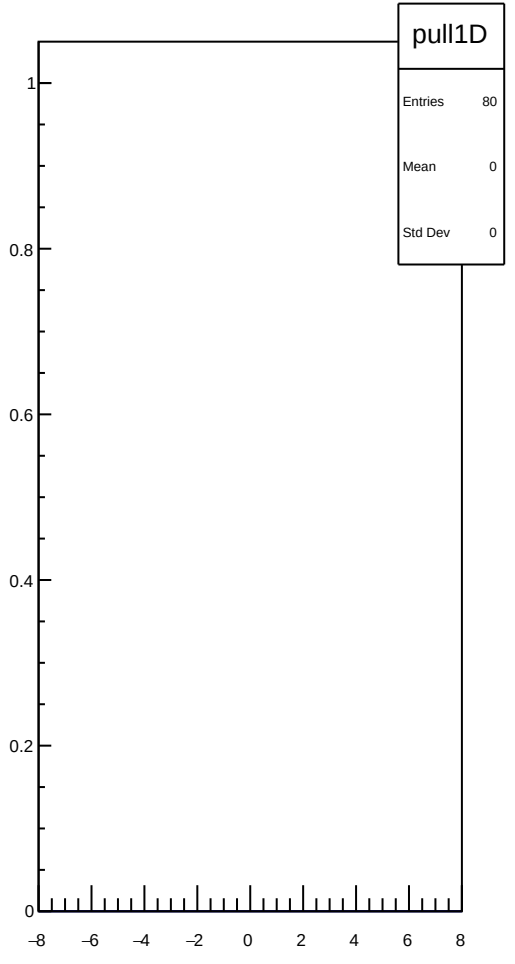

dit_sam5_coil1_mean vs run
χ² / ndf 6.432e+36 / 79
p0 −5181 ± 1.118e−16
−4800
−5000
−5200
−5400
−5600
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 80
Mean 4.831e+08
Std Dev 4.831e+08

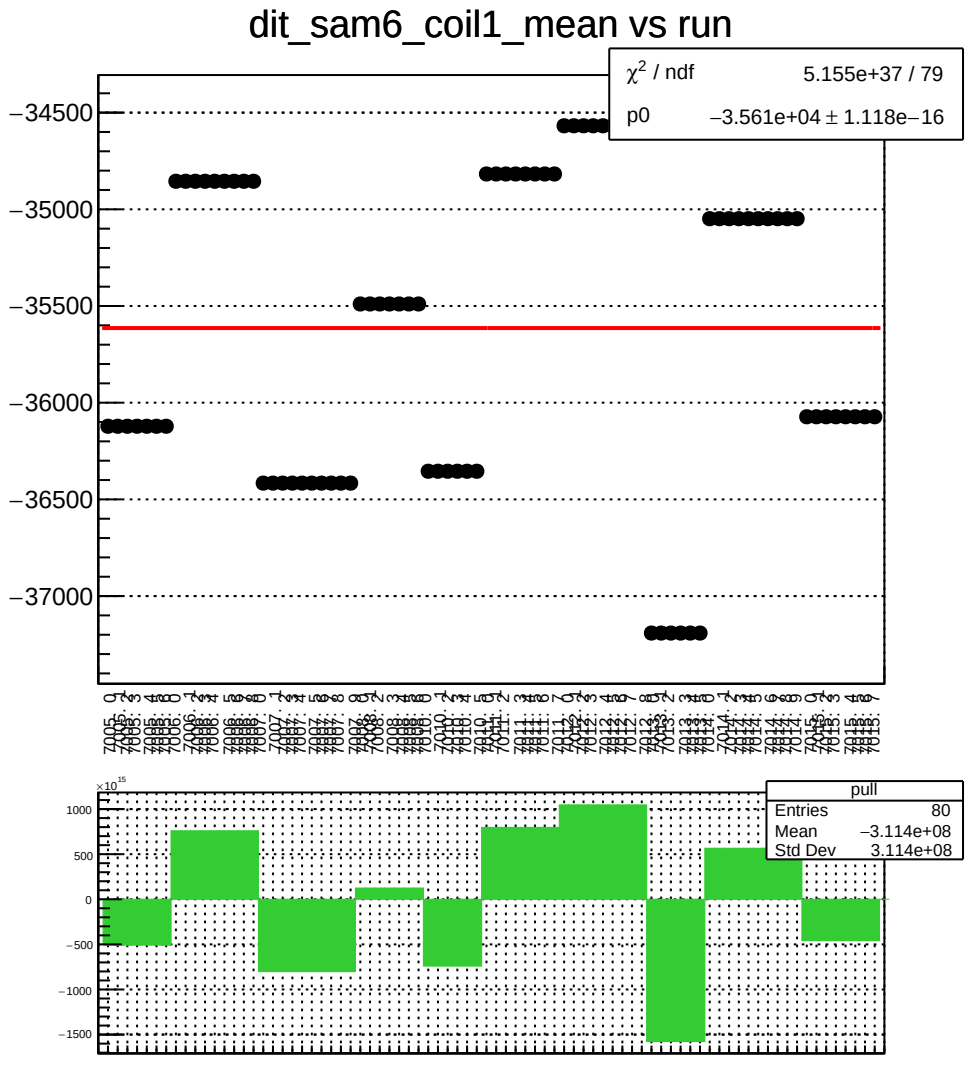

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

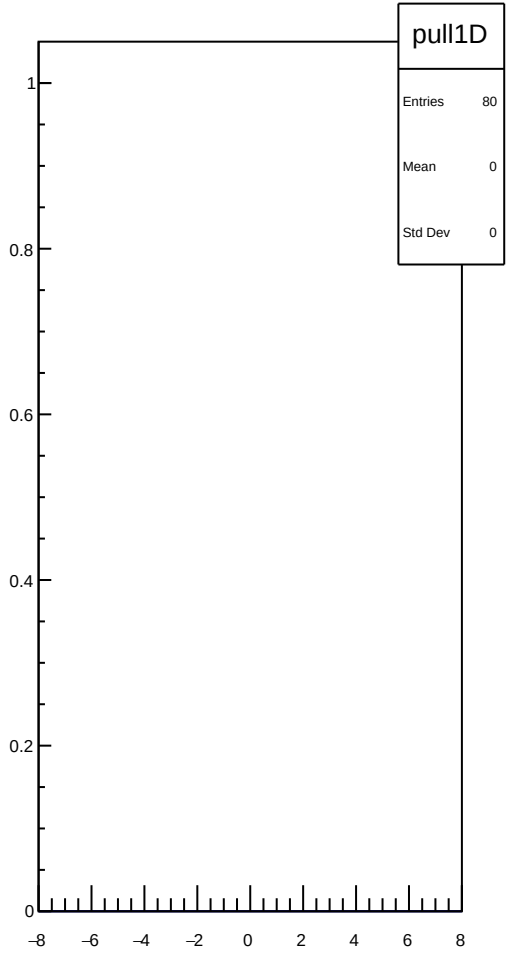

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.366e+35 / 79
p0 249.8 ± 1.118e−16
pull
Entries 80
Mean 4.746e+09
Std Dev 4.746e+09

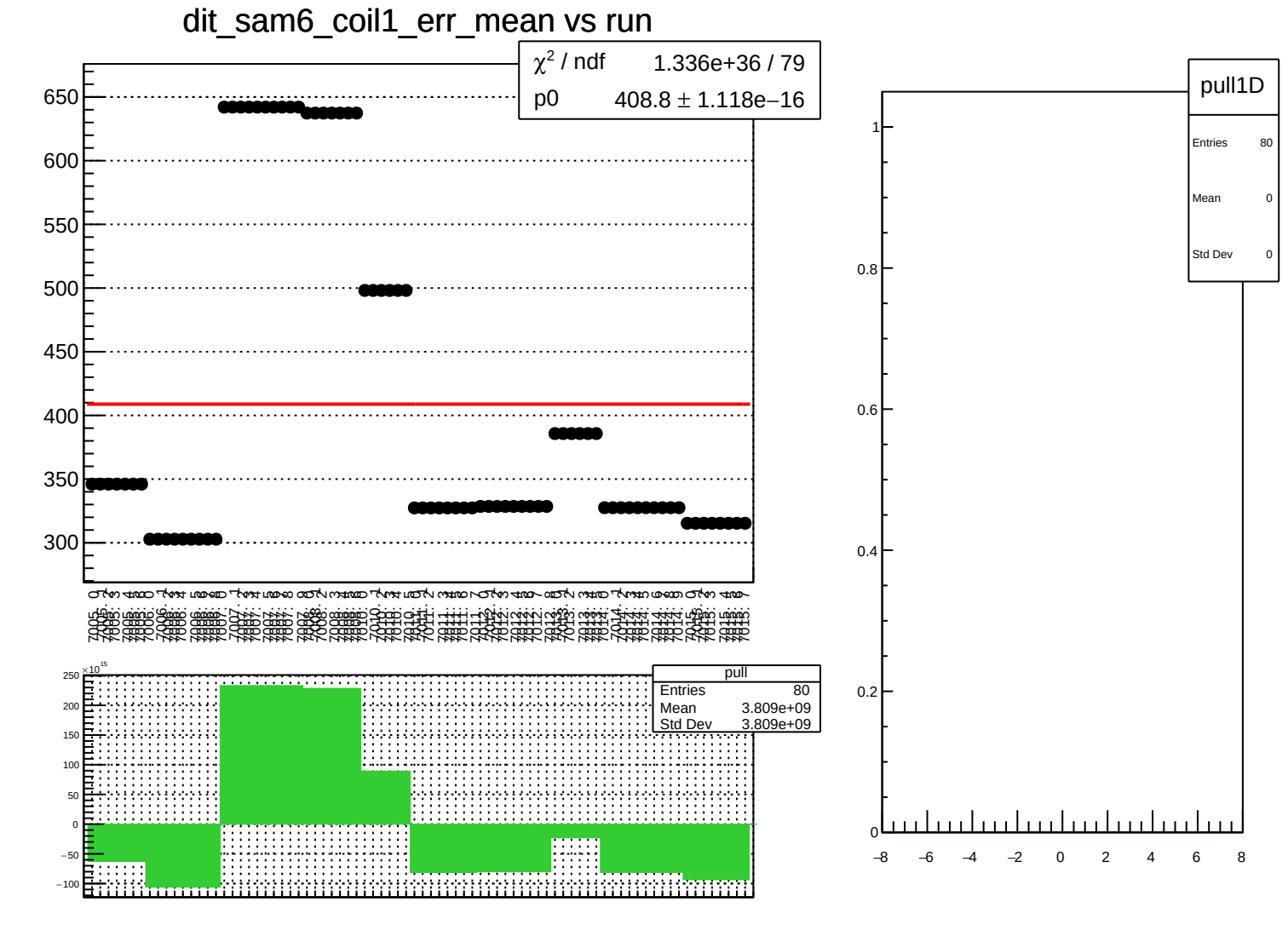

pull1D
Entries 80
Mean 0
Std Dev 0

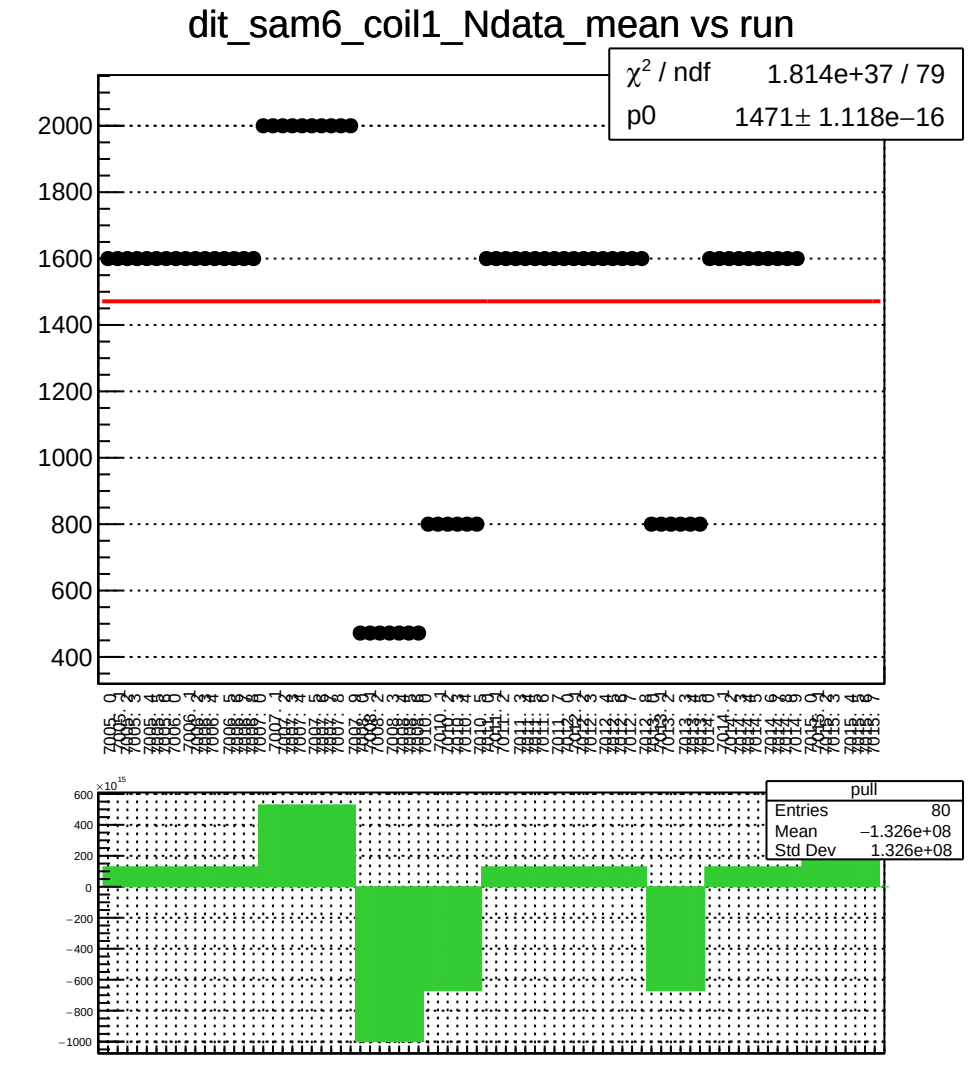

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

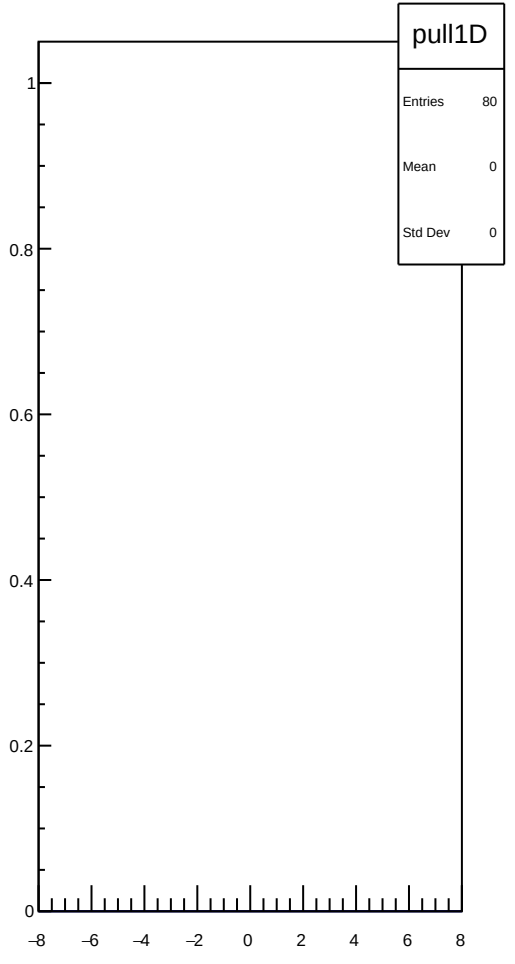

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

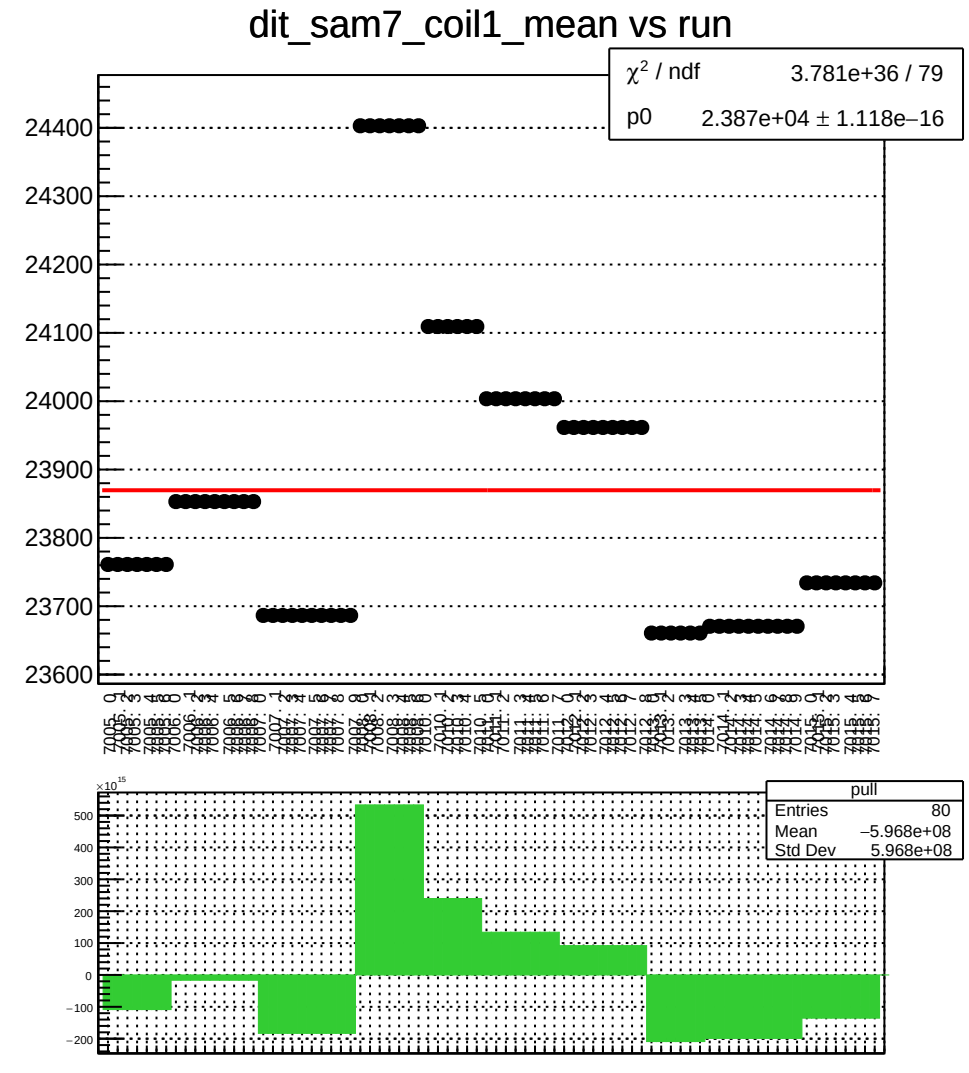

dit_sam6_coil1_mean vs run
χ² / ndf 5.155e+37 / 79
p0 −3.561e+04 ± 1.118e−16
−34500
−35000
−35500
−36000
−36500
−37000
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean −3.114e+08
Std Dev 3.114e+08

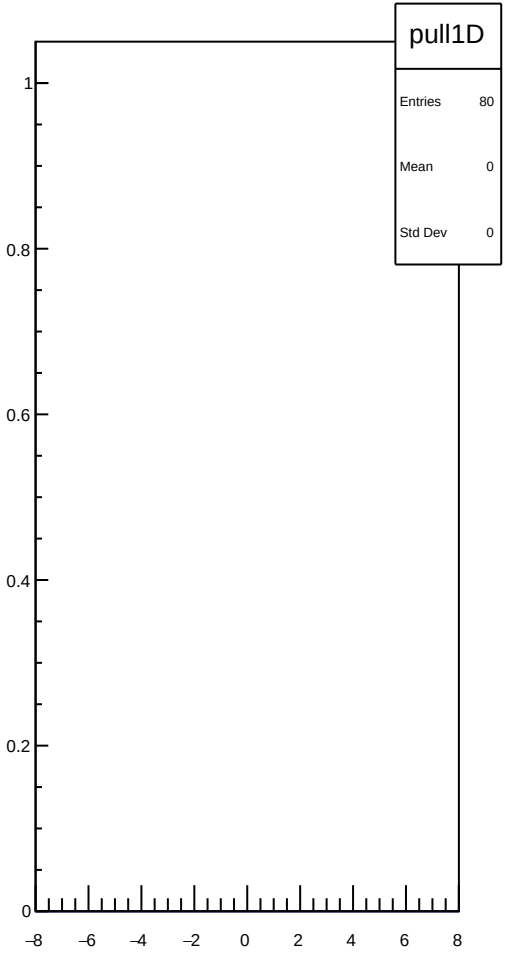

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

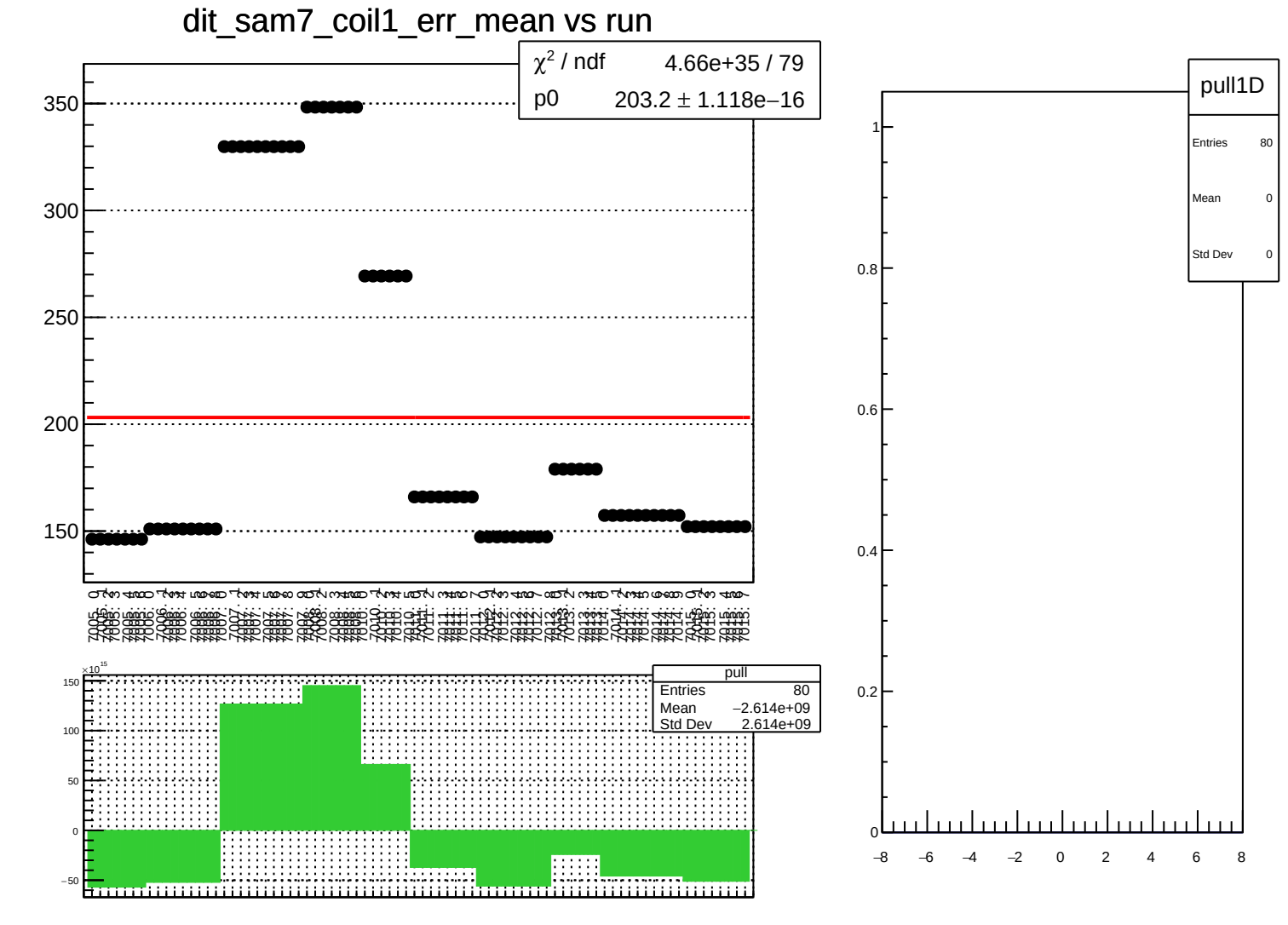

dit_sam6_coil1_err_mean vs run
χ² / ndf 1.336e+36 / 79
p0 408.8 ± 1.118e−16
650
600
550
500
450
400
350
300
pull
Entries 80
Mean 3.809e+09
Std Dev 3.809e+09
×10¹⁵
250
200
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

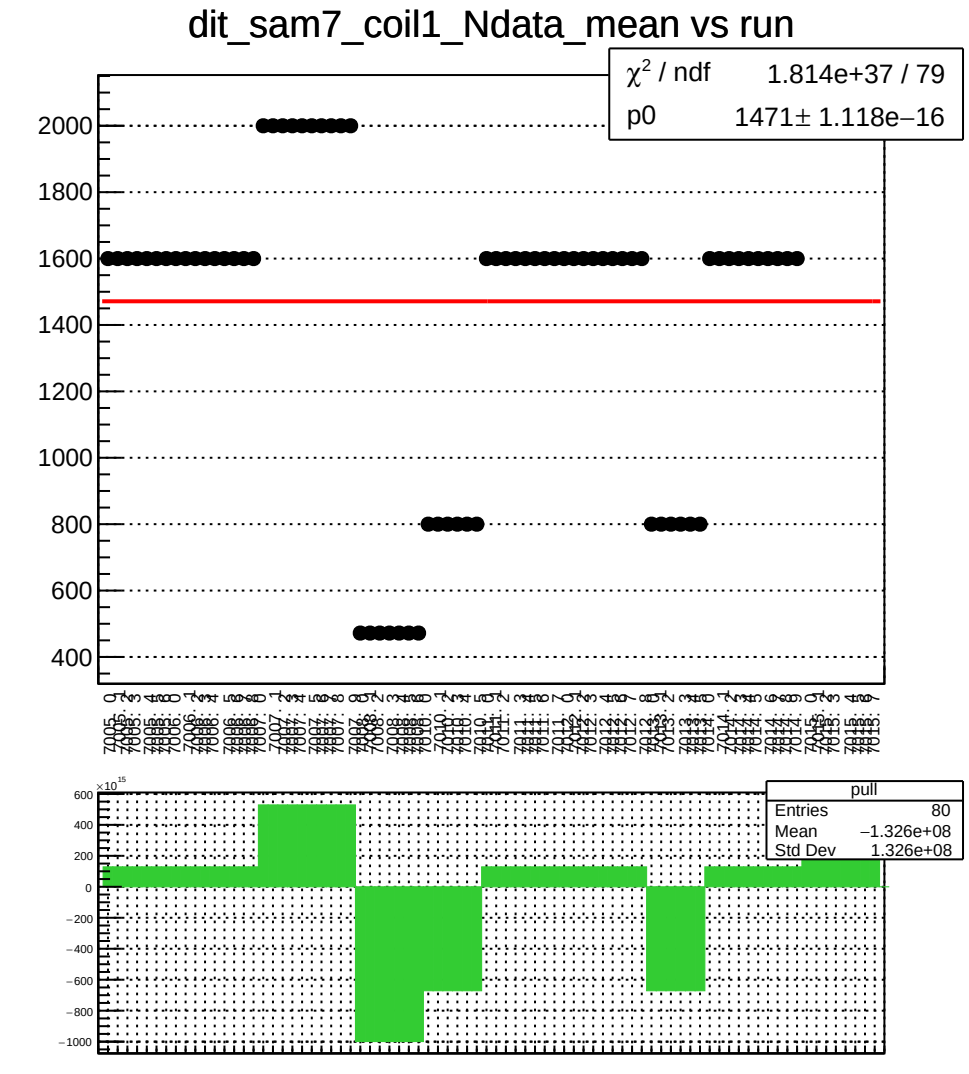

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

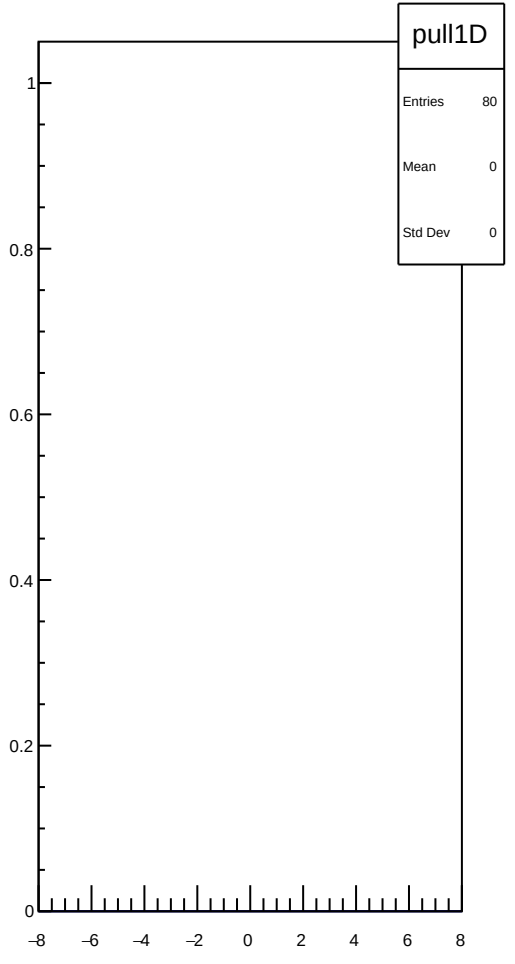

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

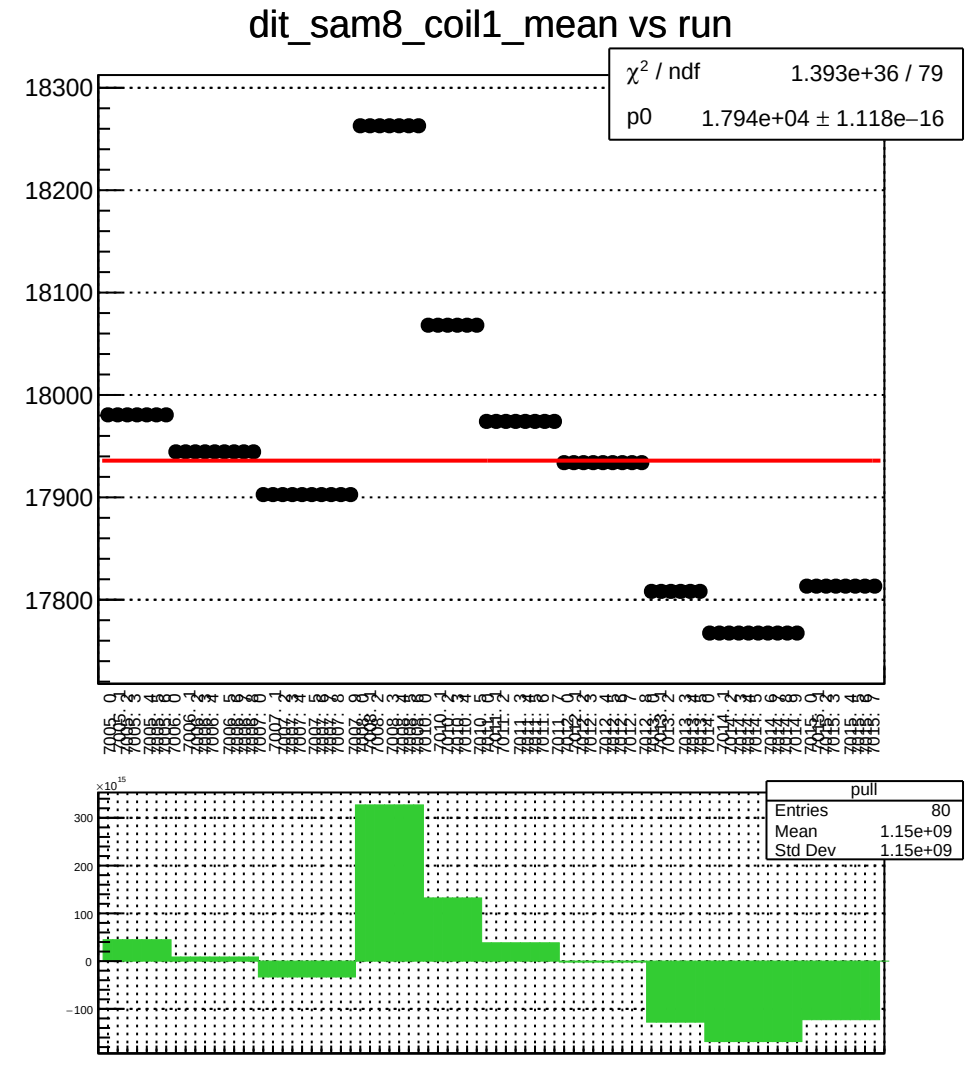

dit_sam7_coil1_mean vs run
χ² / ndf 3.781e+36 / 79
p0 2.387e+04 ± 1.118e−16
24400
24300
24200
24100
24000
23900
23800
23700
23600
×10¹⁵
500
400
300
200
100
0
−100
−200
pull
Entries 80
Mean −5.968e+08
Std Dev 5.968e+08

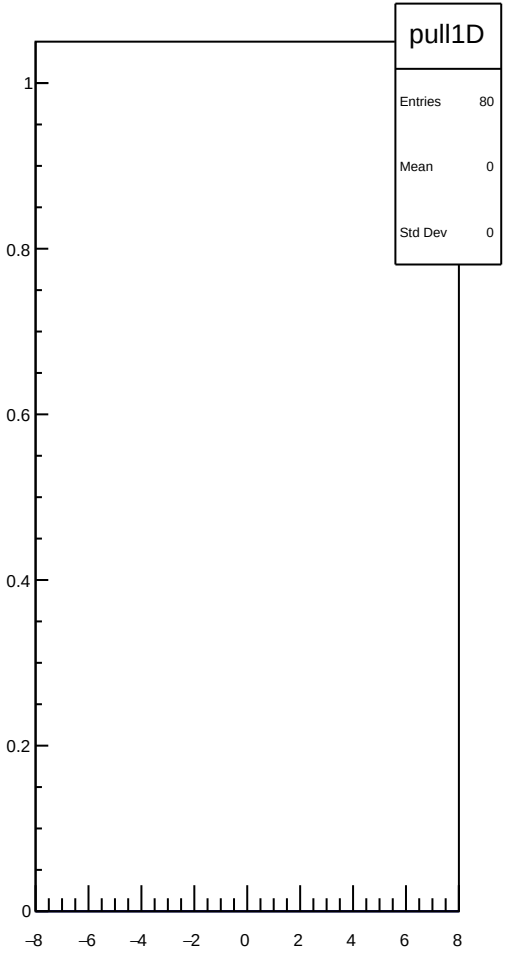

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

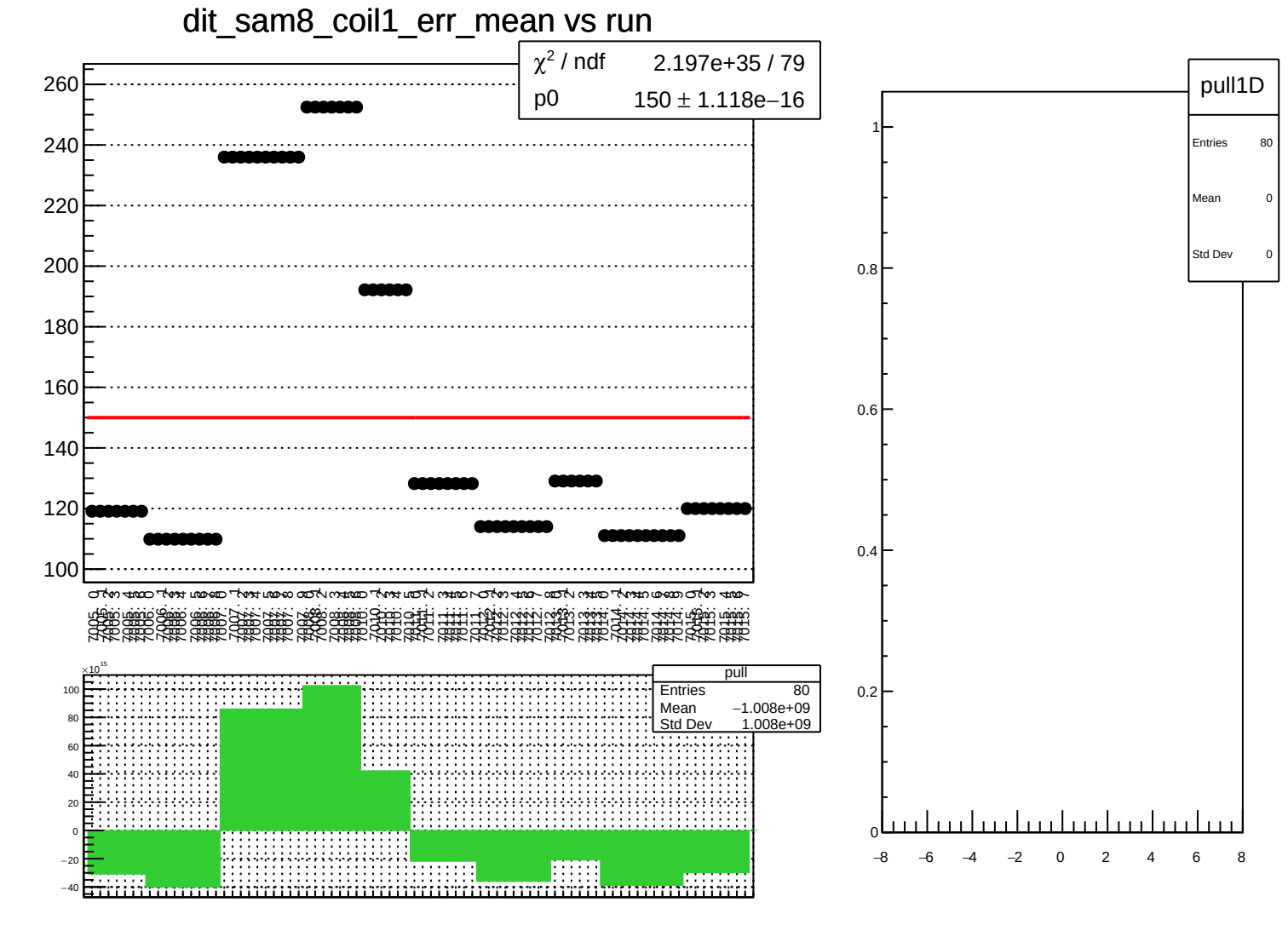

dit_sam7_coil1_err_mean vs run
χ² / ndf 4.66e+35 / 79
p0 203.2 ± 1.118e−16
350
300
250
200
150
pull
Entries 80
Mean −2.614e+09
Std Dev 2.614e+09
×10¹⁵
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

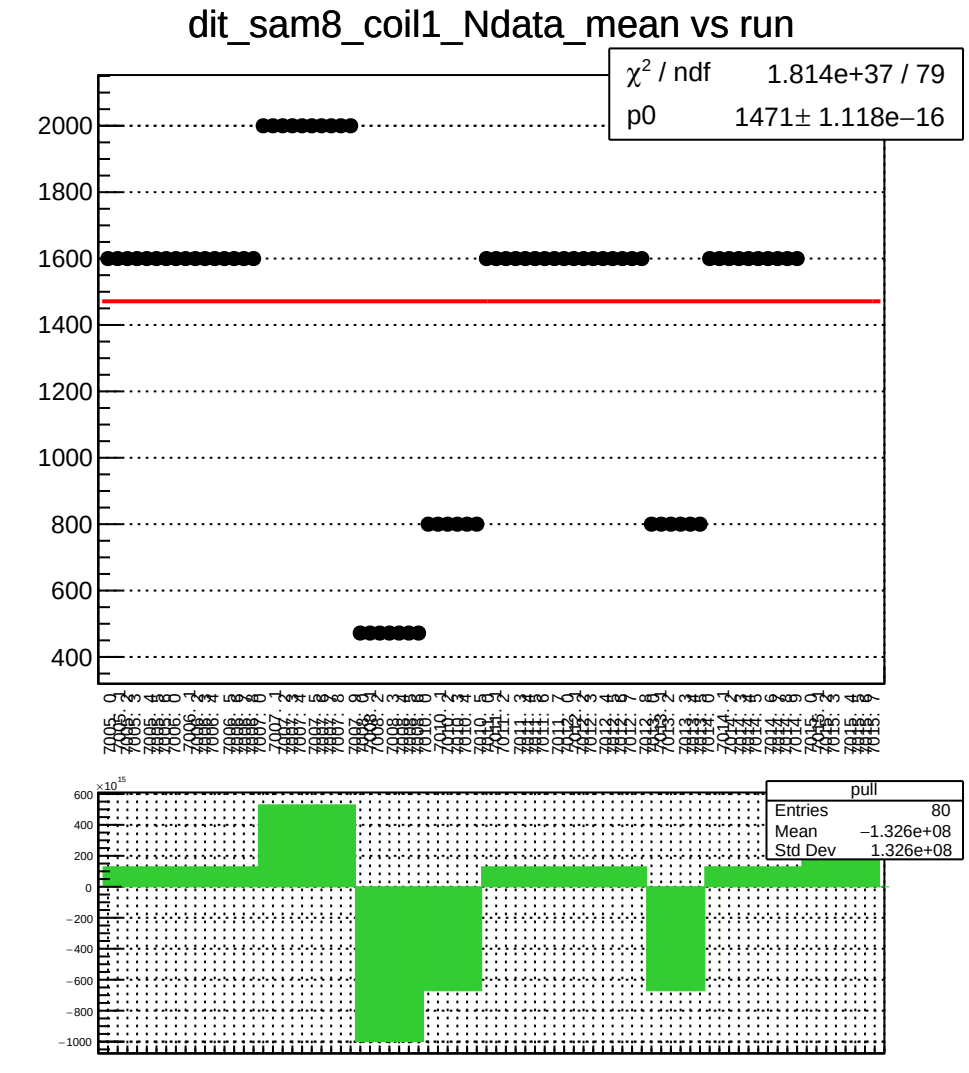

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08

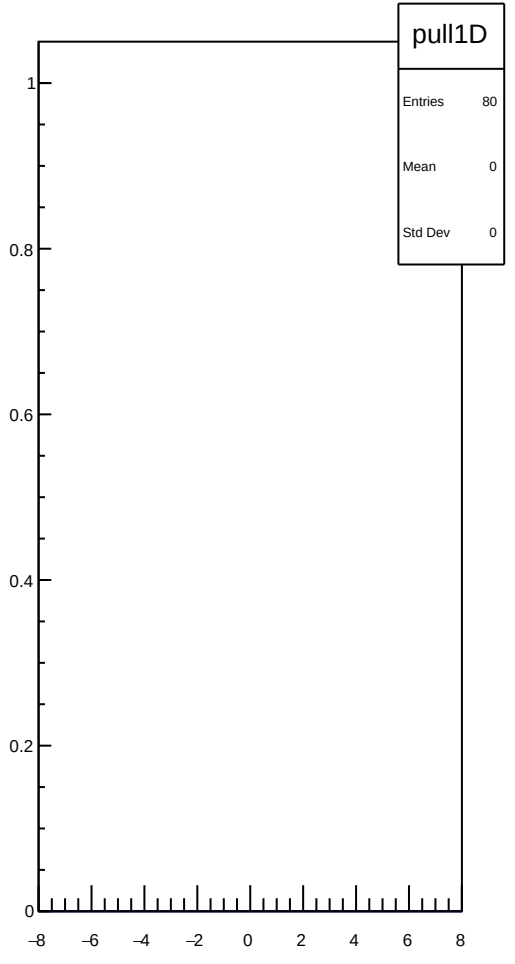

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

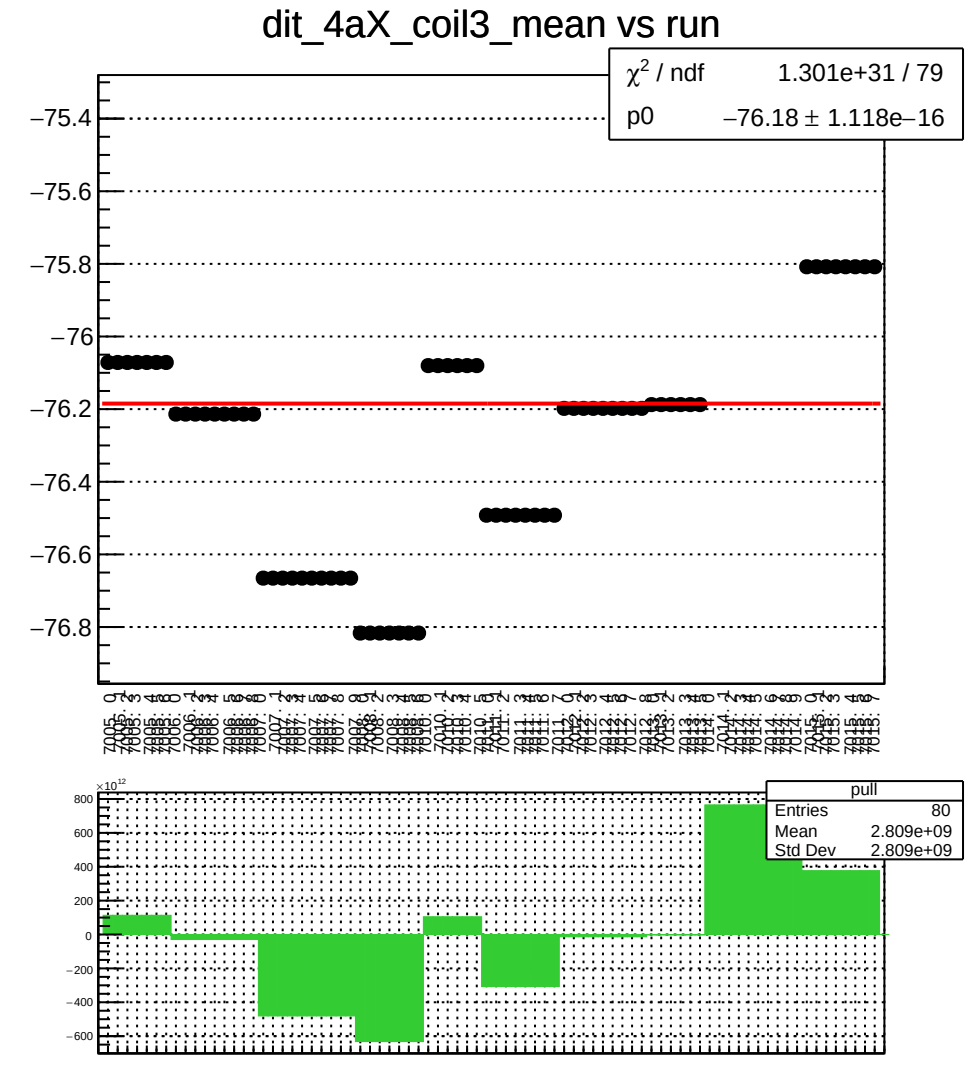

dit_sam8_coil1_mean vs run
χ² / ndf 1.393e+36 / 79
p0 1.794e+04 ± 1.118e−16
18300
18200
18100
18000
17900
17800
pull
Entries 80
Mean 1.15e+09
Std Dev 1.15e+09
×10¹⁵
300
200
100
0
−100

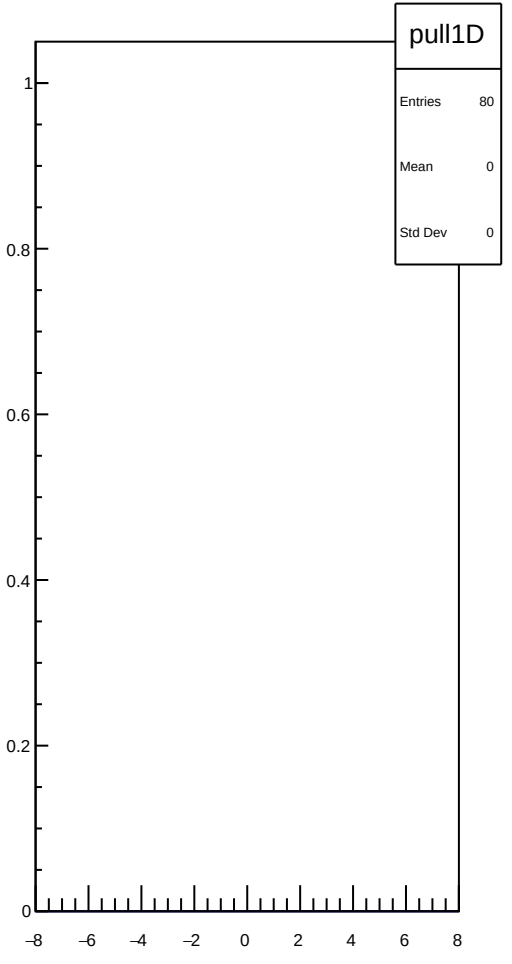

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

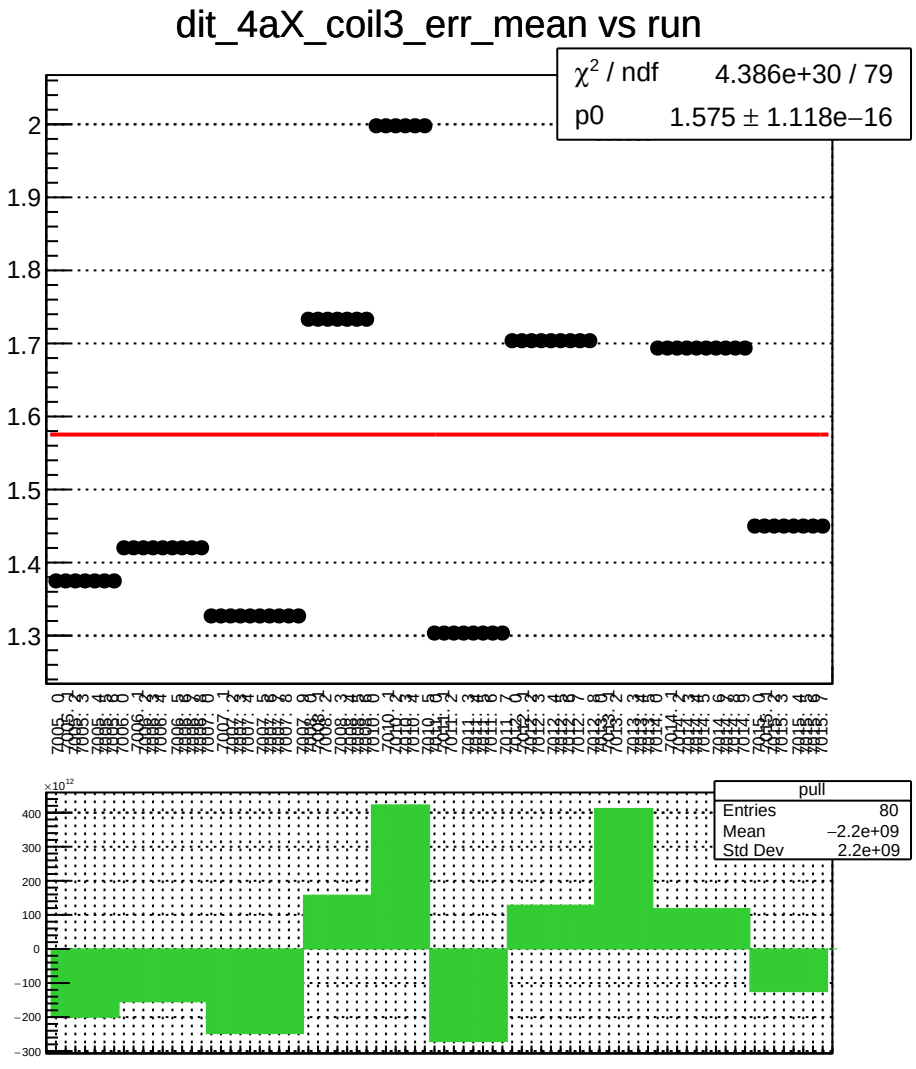

dit_sam8_coil1_err_mean vs run
χ² / ndf 2.197e+35 / 79
p0 150 ± 1.118e−16
260
240
220
200
180
160
140
120
100
pull
Entries 80
Mean −1.008e+09
Std Dev 1.008e+09
×10¹⁵
100
80
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

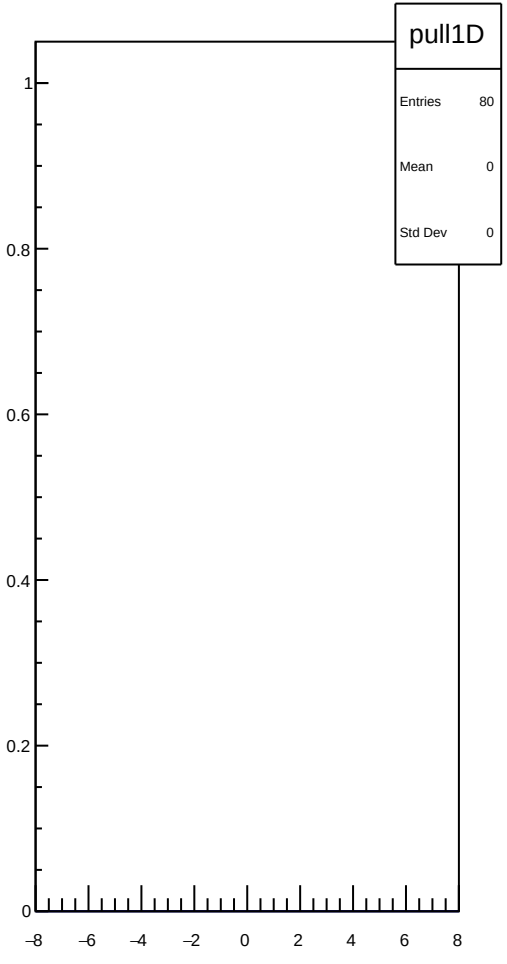

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

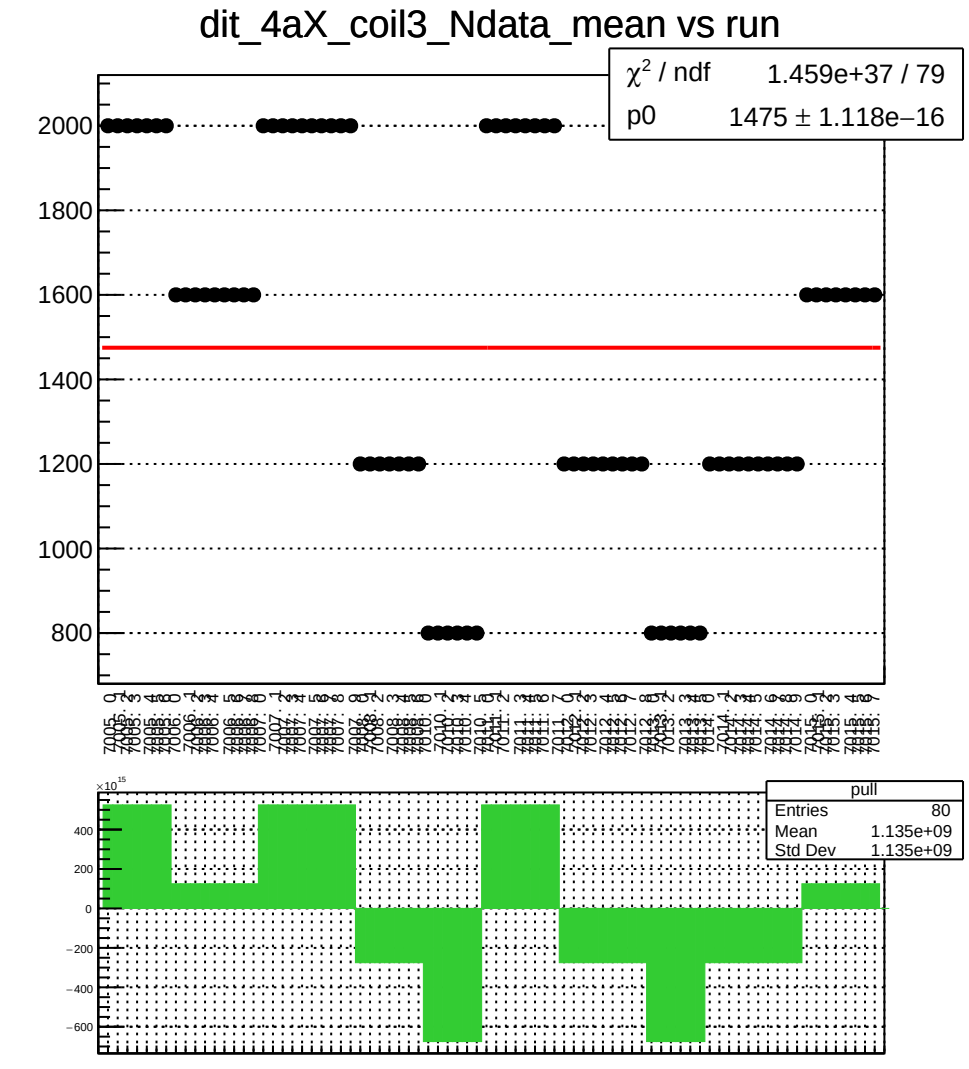

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

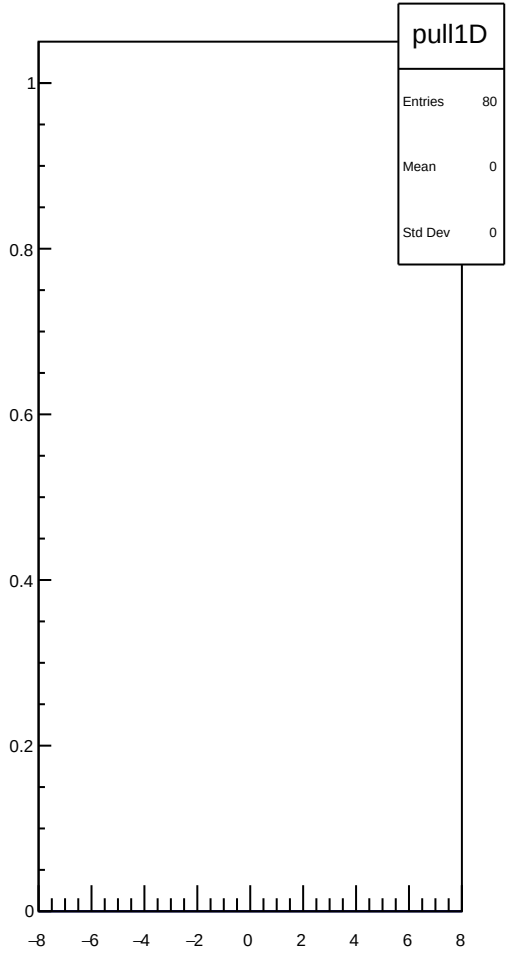

dit_4aX_coil3_mean vs run
χ² / ndf 1.301e+31 / 79
p0 −76.18 ± 1.118e−16
−75.4
−75.6
−75.8
−76
−76.2
−76.4
−76.6
−76.8
×10¹²
800
600
400
200
0
−200
−400
−600
pull
Entries 80
Mean 2.809e+09
Std Dev 2.809e+09

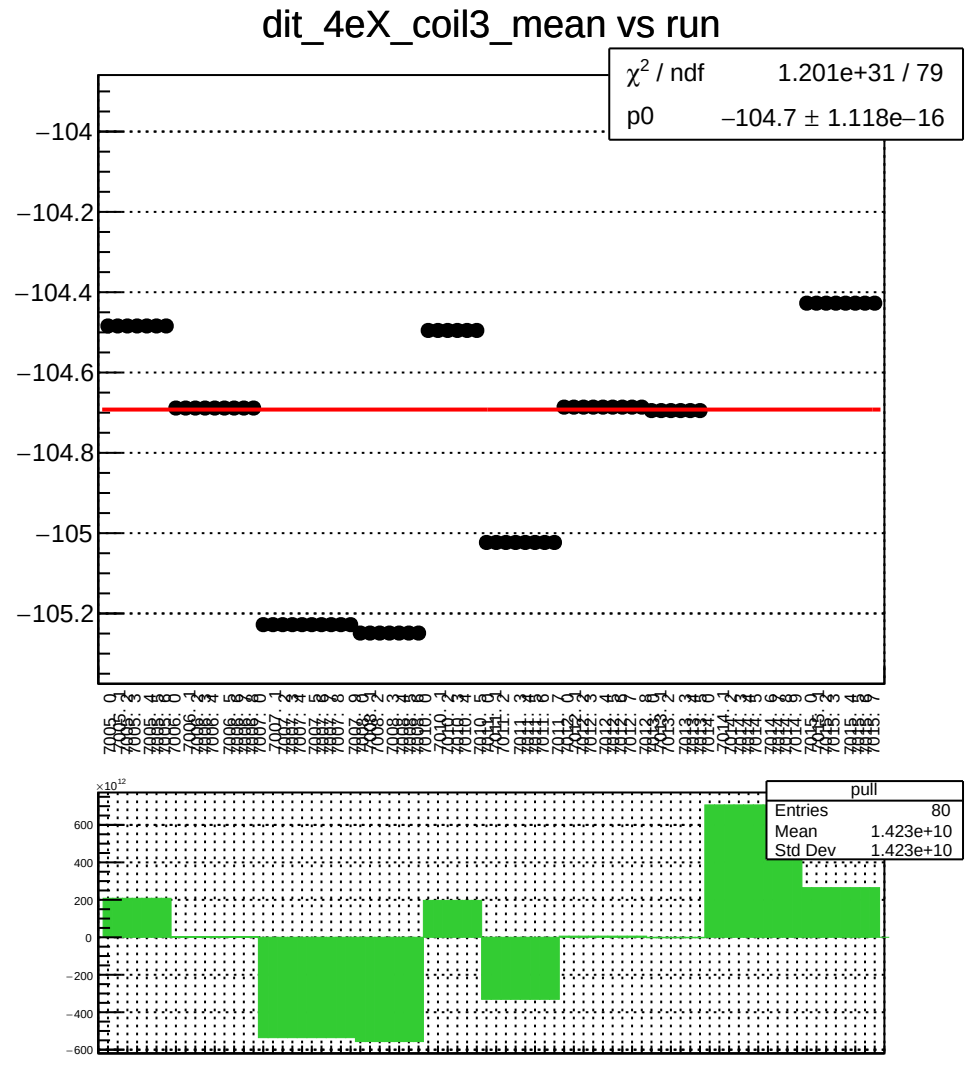

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

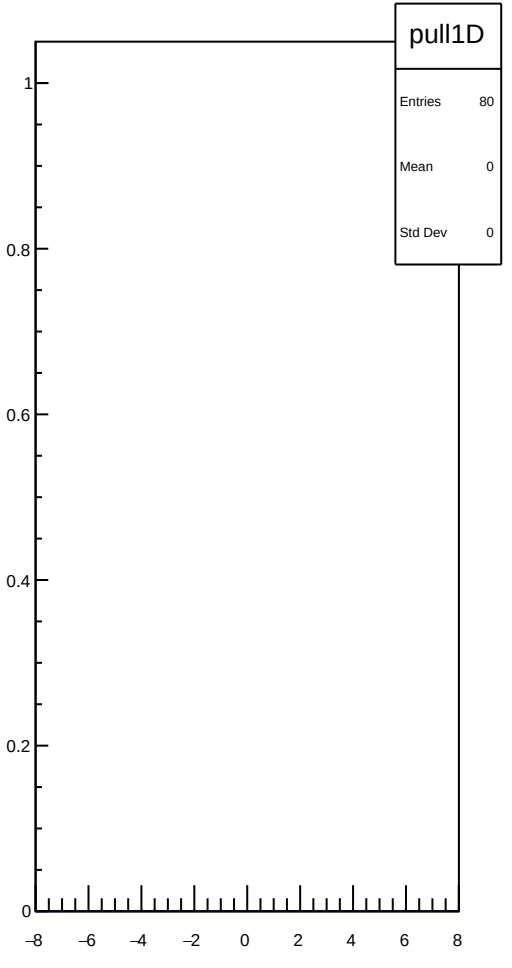

dit_4aX_coil3_err_mean vs run
χ² / ndf 4.386e+30 / 79
p0 1.575 ± 1.118e−16
pull
Entries 80
Mean −2.2e+09
Std Dev 2.2e+09

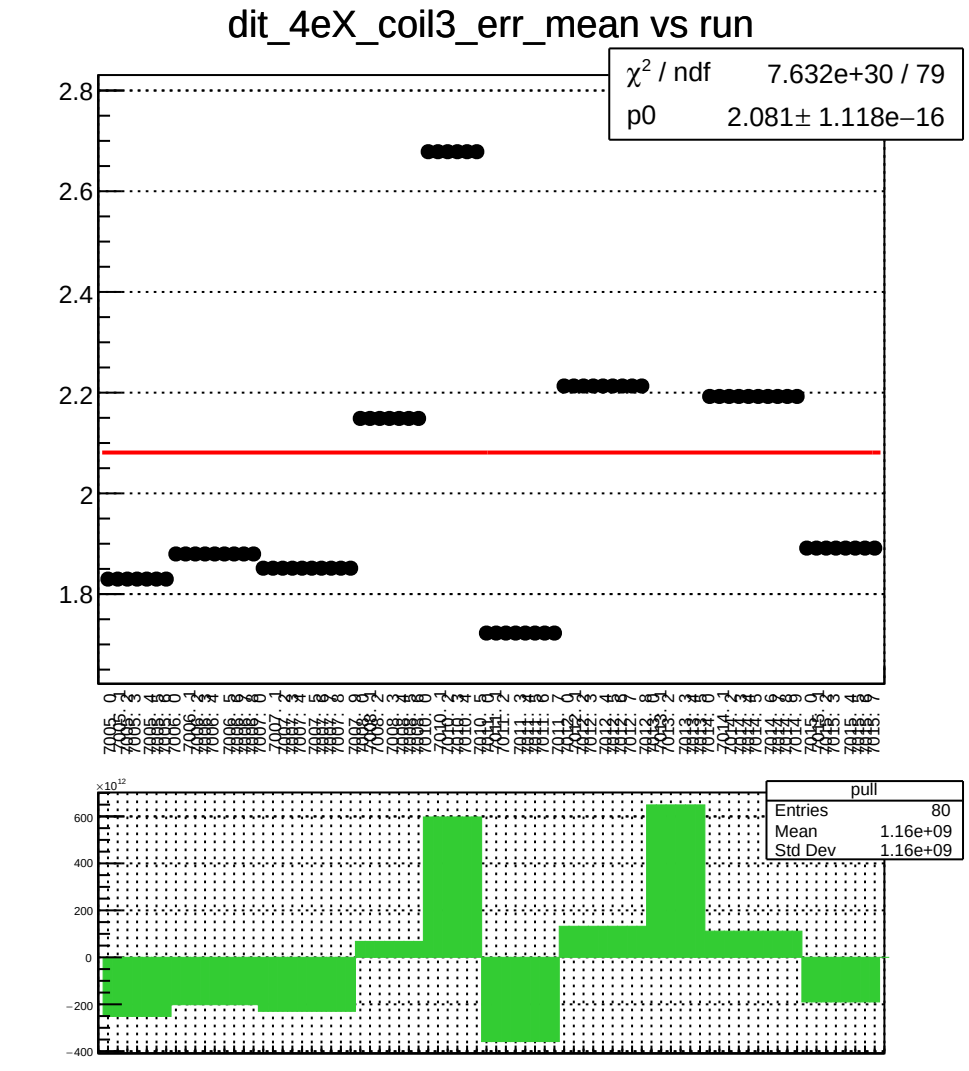

pull1D
Entries 80
Mean 0
Std Dev 0

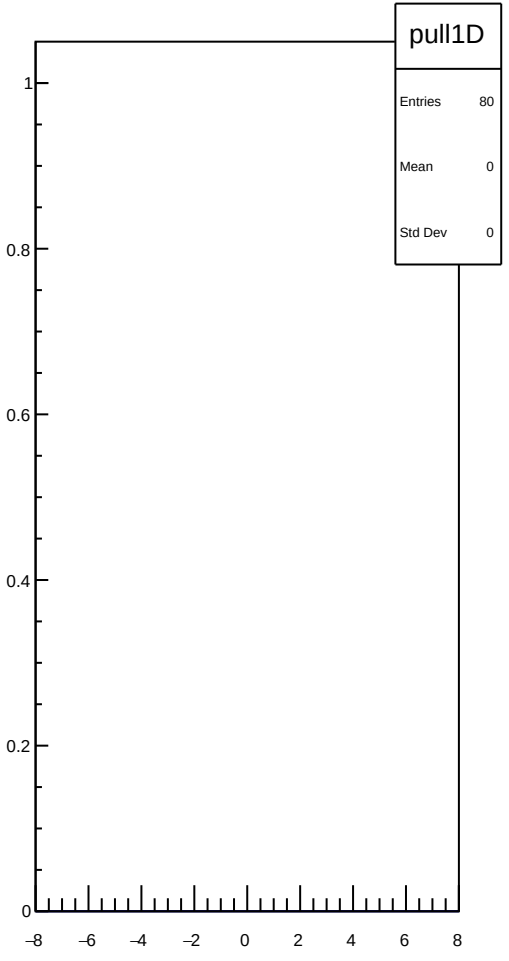

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

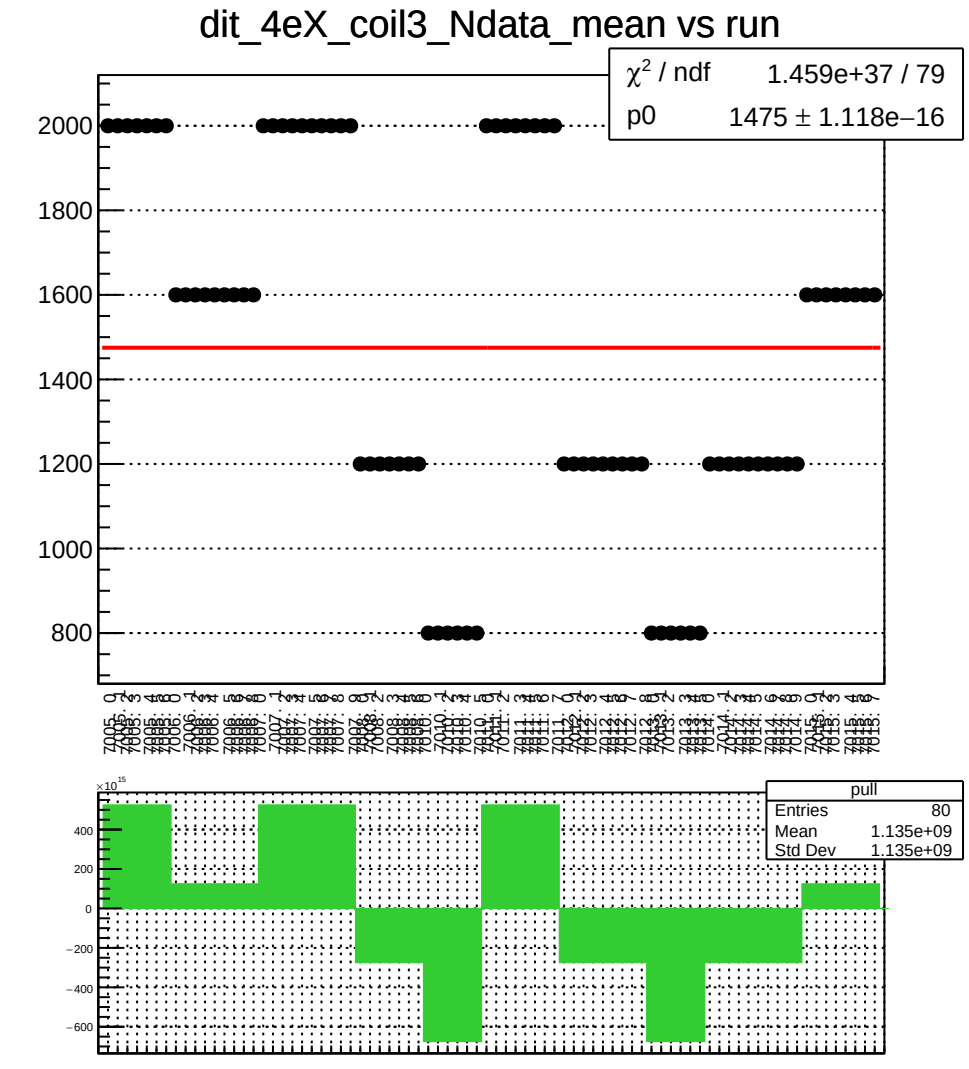

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

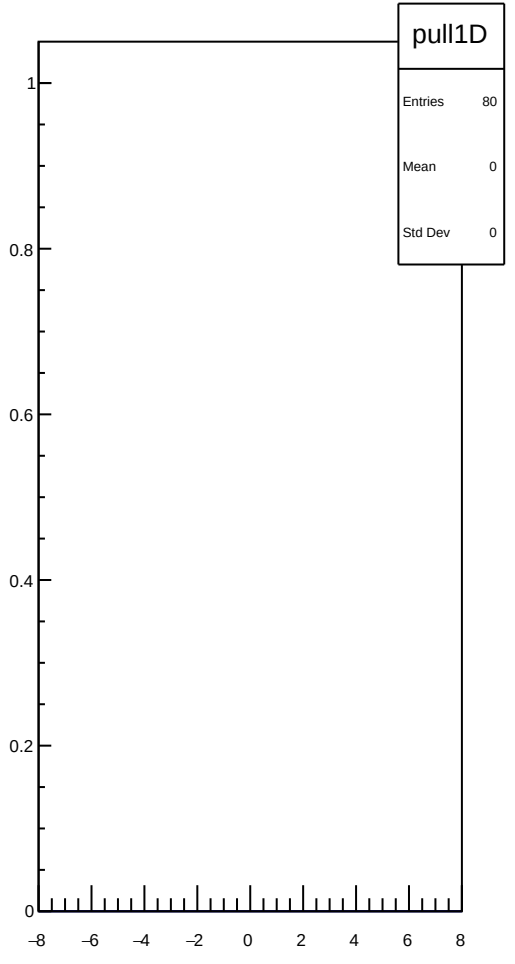

dit_4eX_coil3_mean vs run
χ² / ndf 1.201e+31 / 79
p0 −104.7 ± 1.118e−16
−104
−104.2
−104.4
−104.6
−104.8
−105
−105.2
pull
Entries 80
Mean 1.423e+10
Std Dev 1.423e+10
×10¹²
600
400
200
0
−200
−400
−600

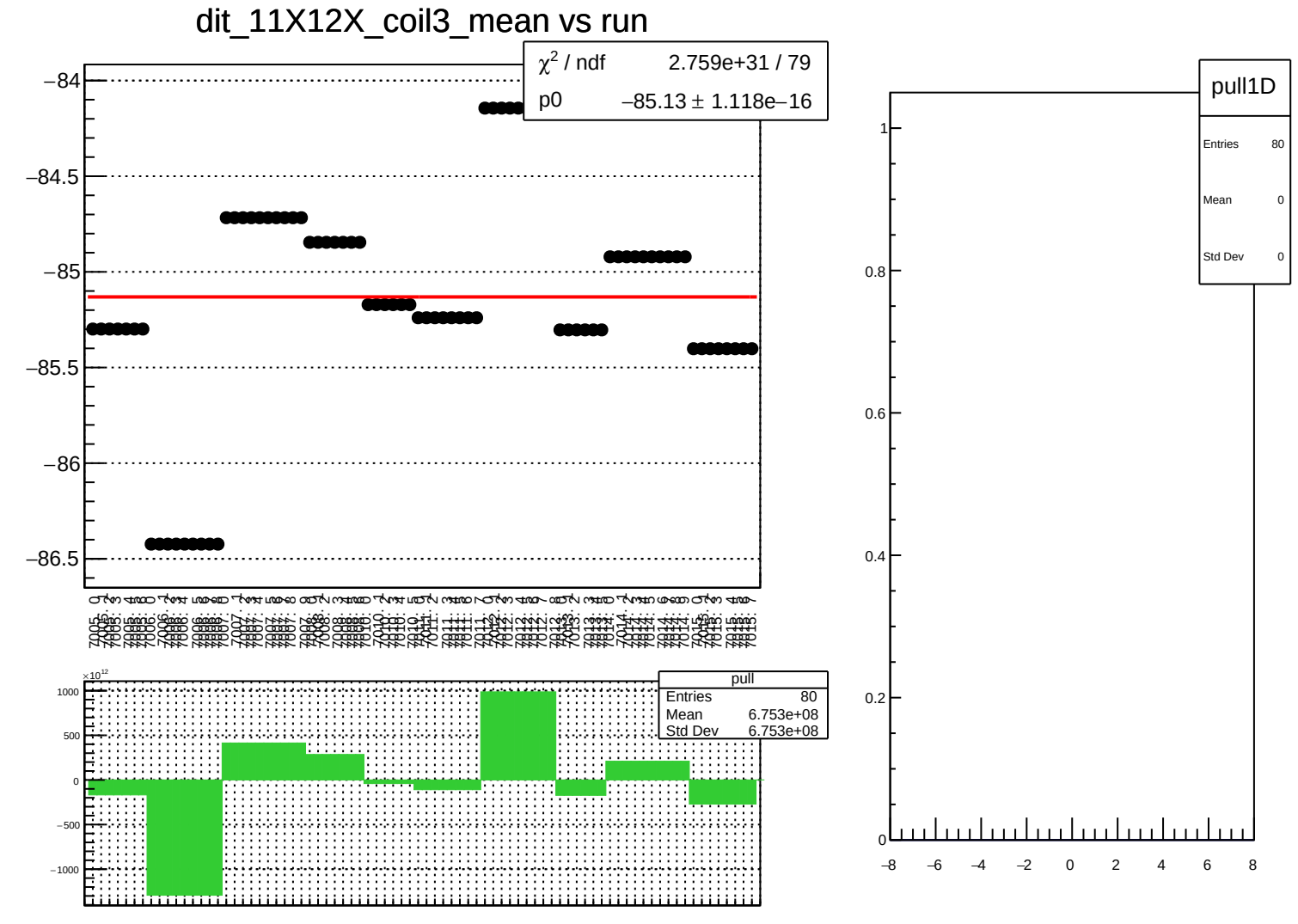

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

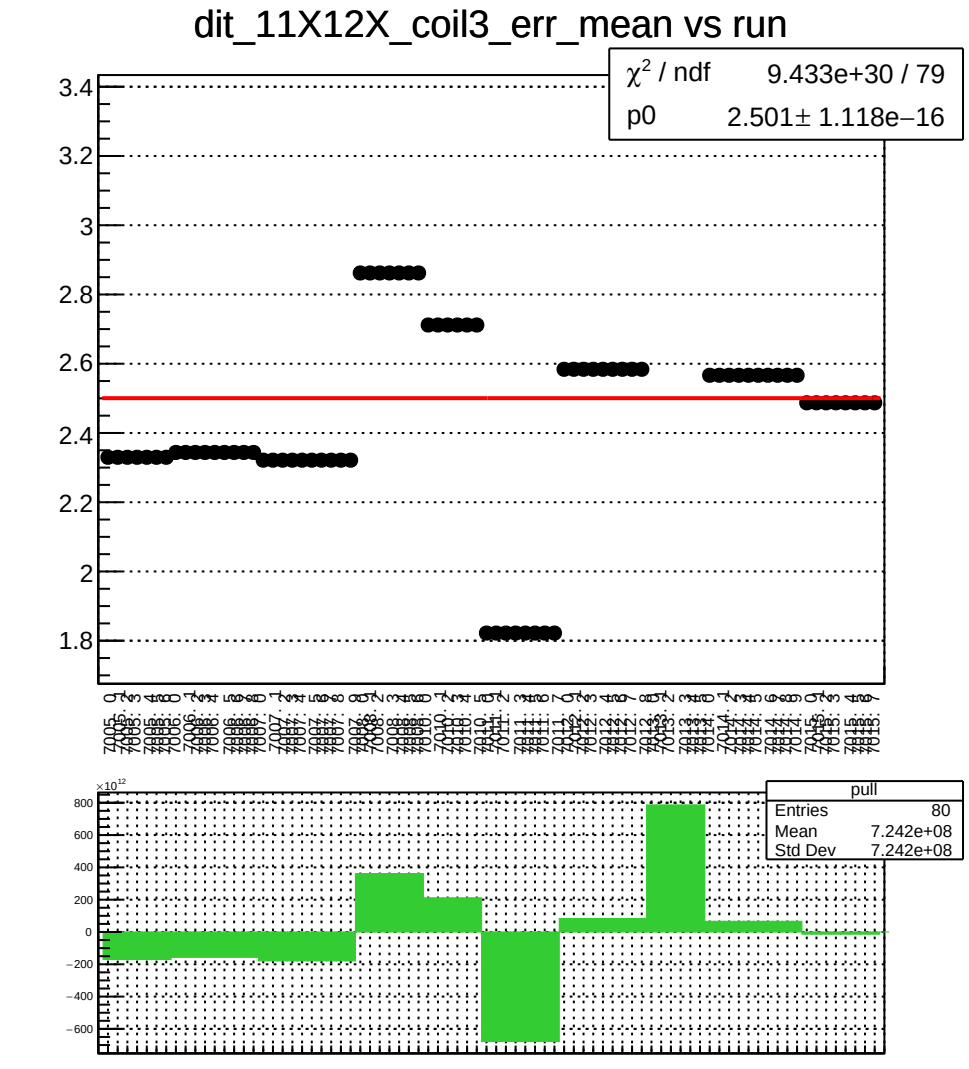

dit_4eX_coil3_err_mean vs run
χ² / ndf 7.632e+30 / 79
p0 2.081± 1.118e−16
2.8
2.6
2.4
2.2
2
1.8
pull
Entries 80
Mean 1.16e+09
Std Dev 1.16e+09
×10¹²
600
400
200
0
−200
−400

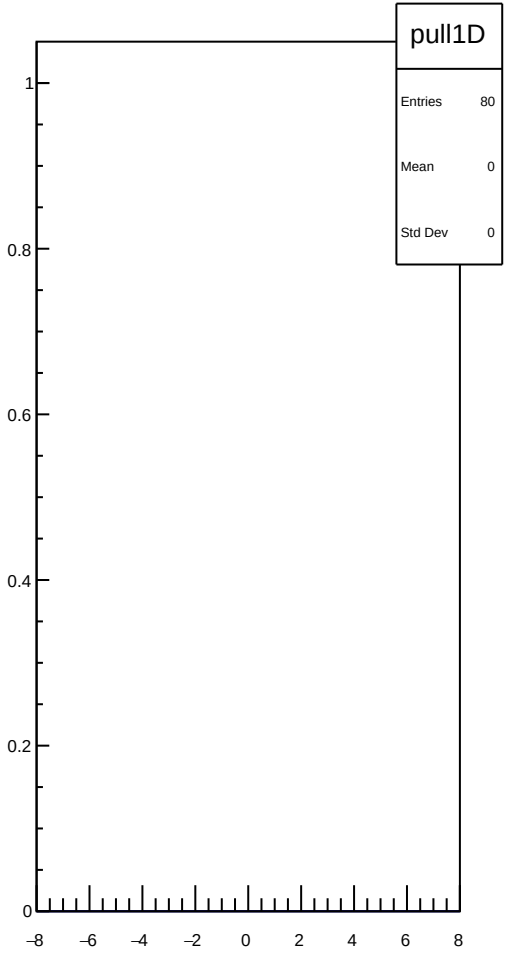

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

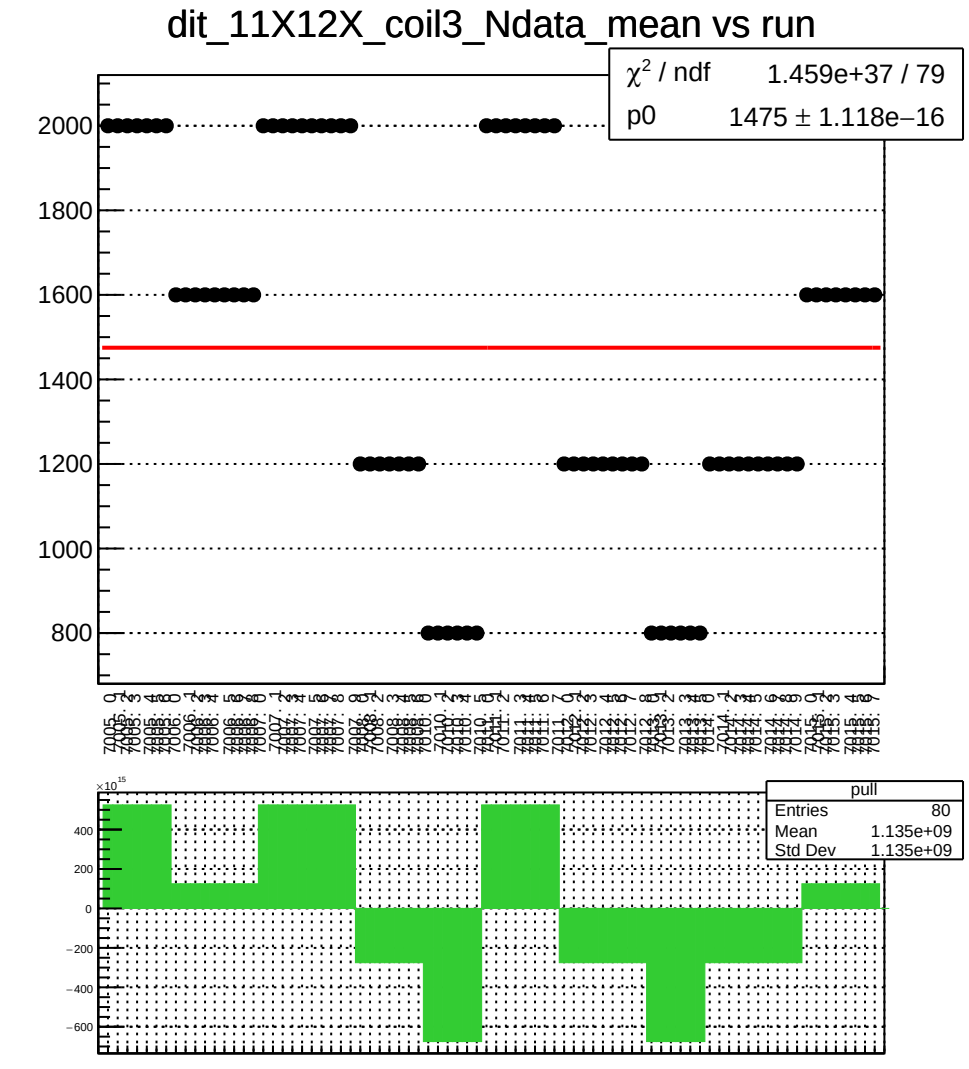

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

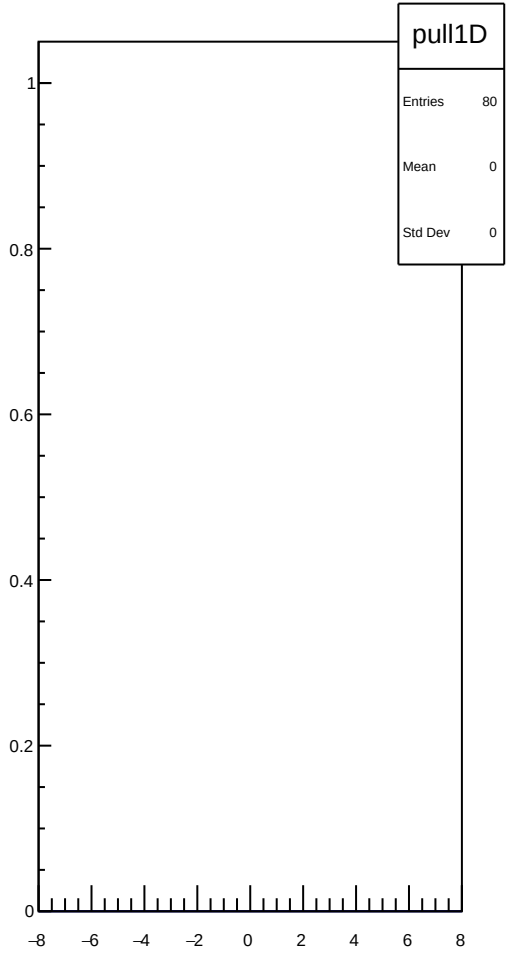

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

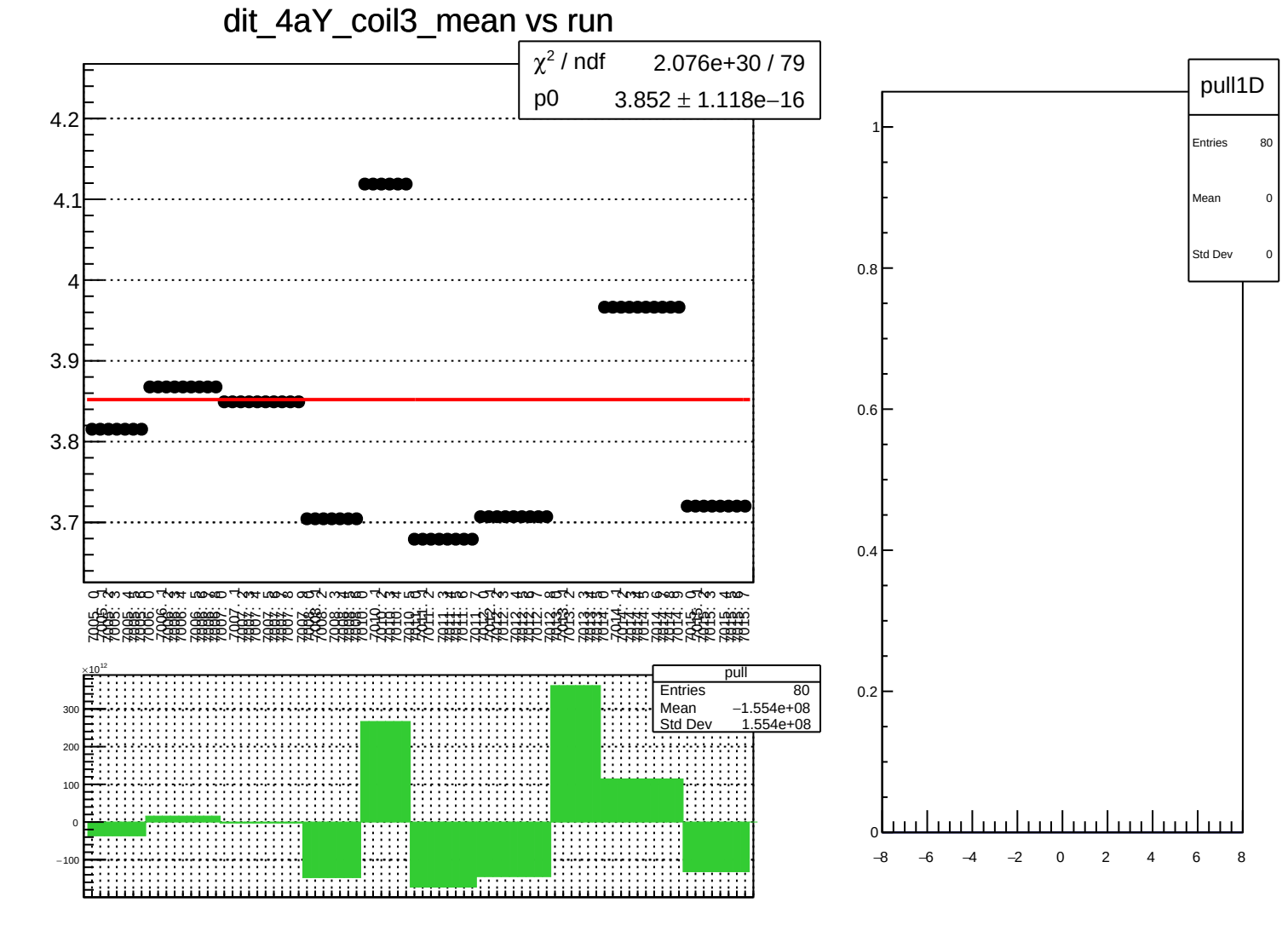

dit_11X12X_coil3_mean vs run
χ² / ndf 2.759e+31 / 79
p0 −85.13 ± 1.118e−16
−84
−84.5
−85
−85.5
−86
−86.5
pull
Entries 80
Mean 6.753e+08
Std Dev 6.753e+08
×10¹²
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

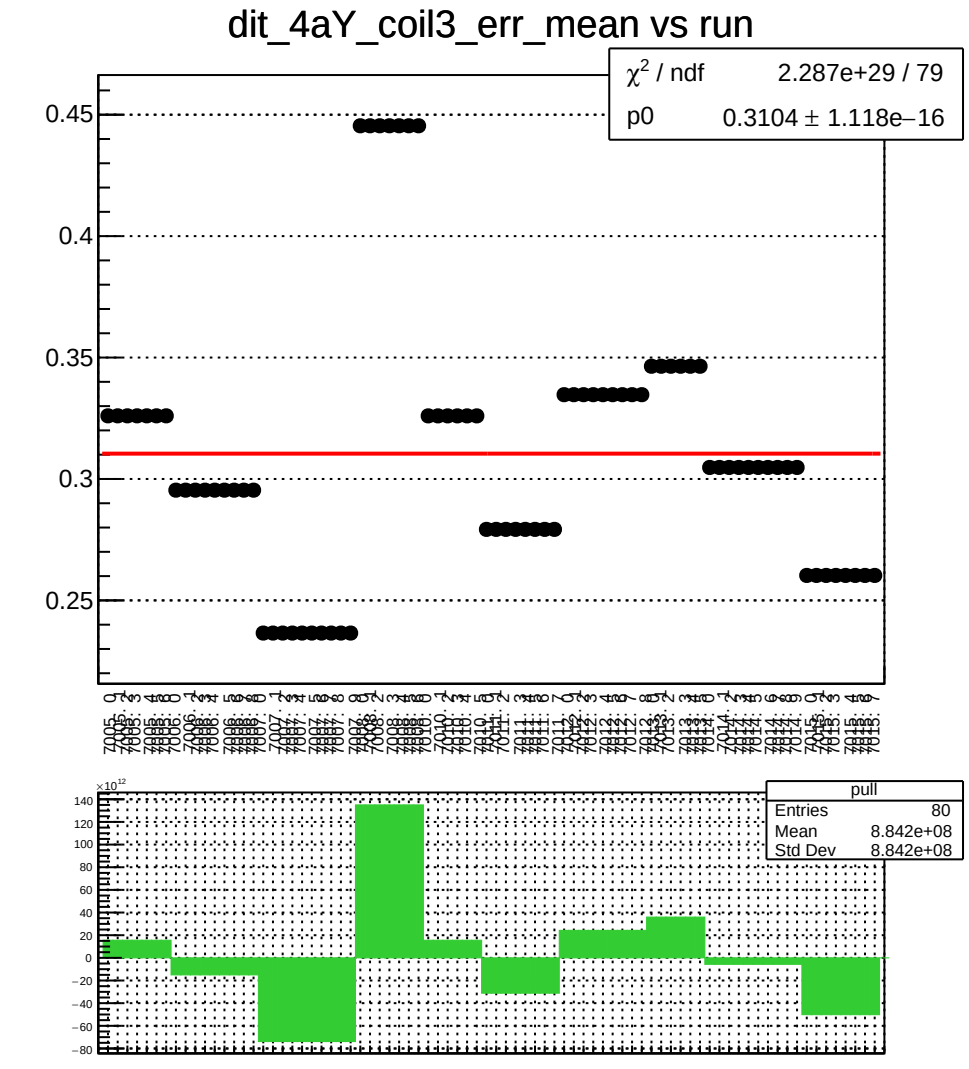

dit_11X12X_coil3_err_mean vs run
χ² / ndf 9.433e+30 / 79
p0 2.501± 1.118e−16
pull
Entries 80
Mean 7.242e+08
Std Dev 7.242e+08

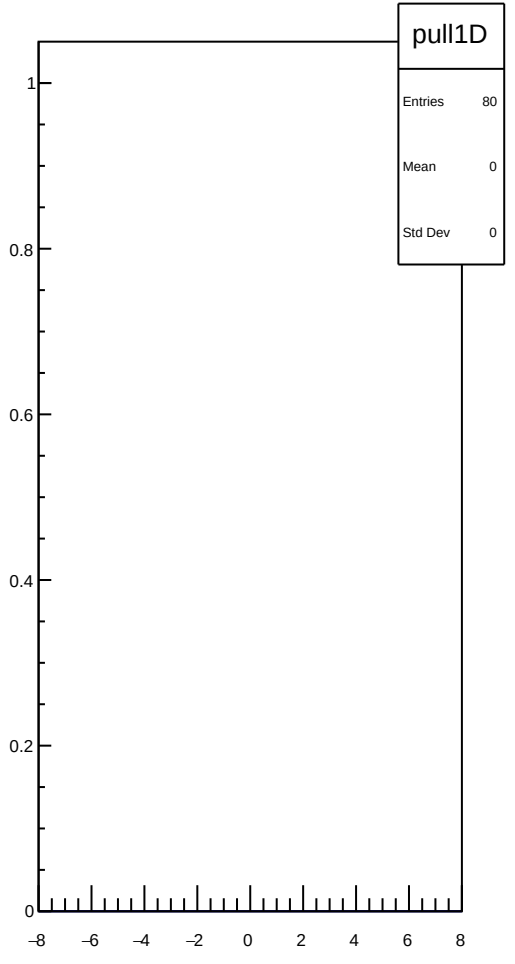

pull1D
Entries 80
Mean 0
Std Dev 0

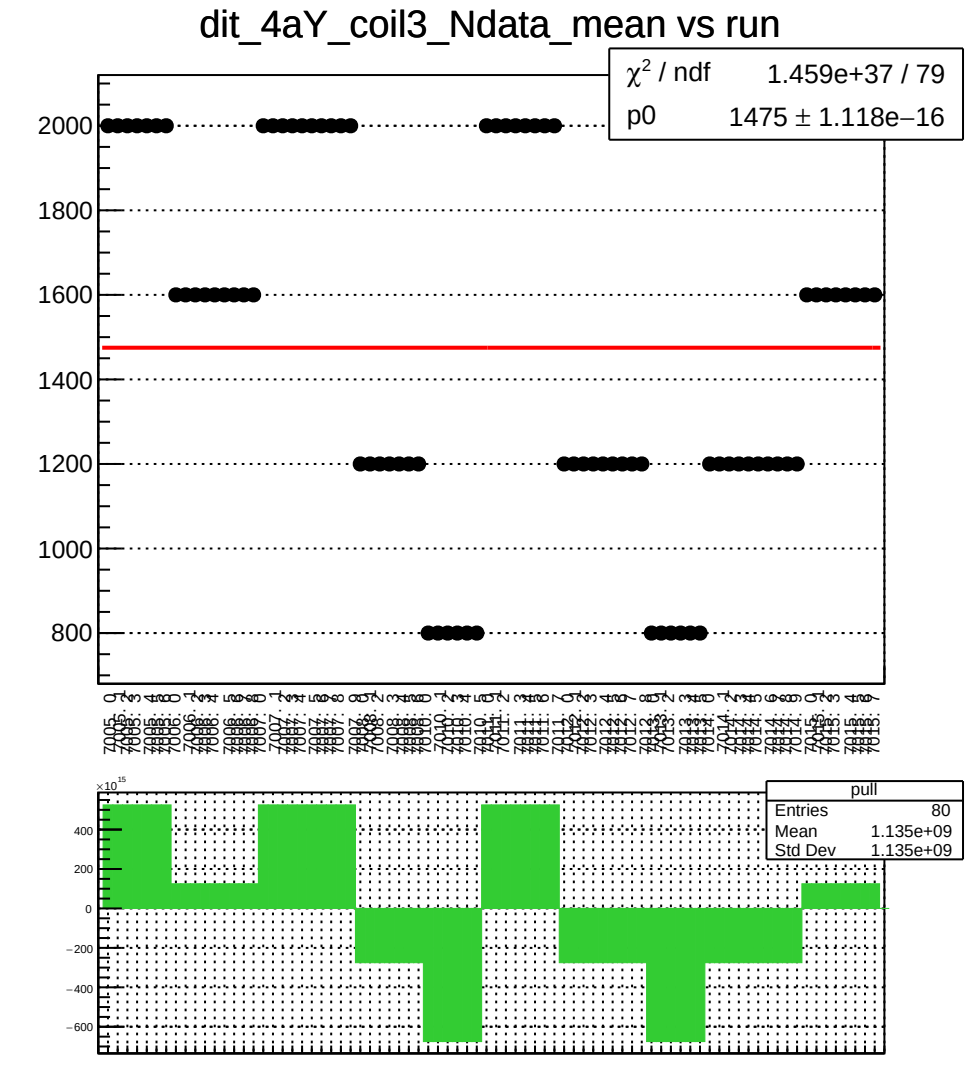

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

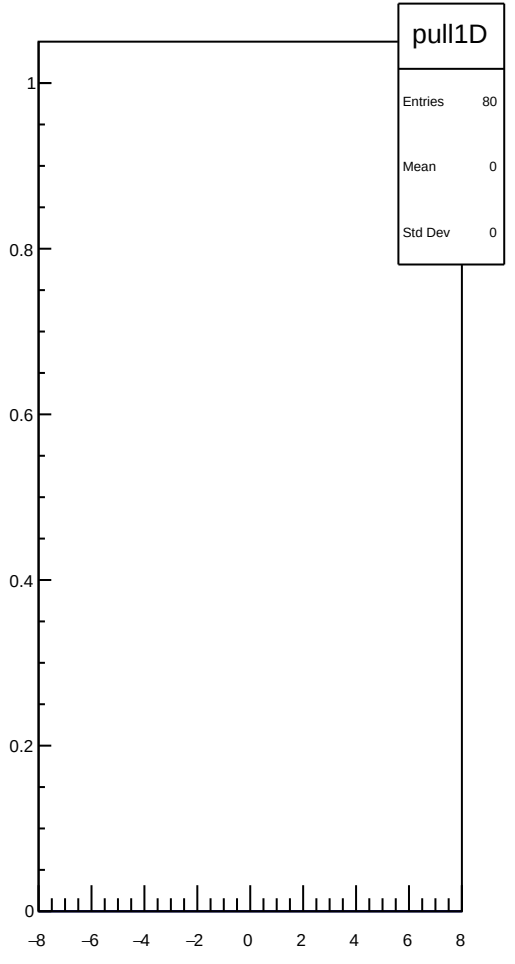

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

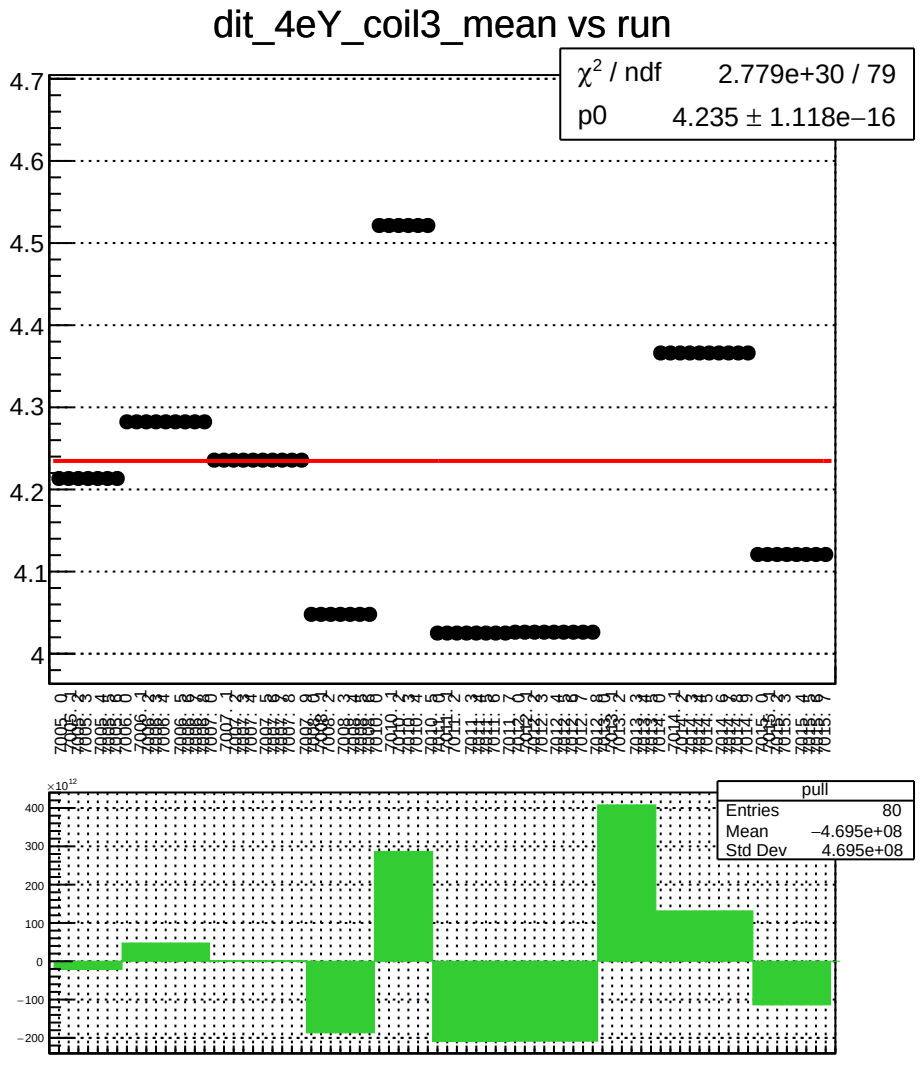

dit_4aY_coil3_mean vs run
χ² / ndf 2.076e+30 / 79
p0 3.852 ± 1.118e−16
4.2
4.1
4
3.9
3.8
3.7
pull
Entries 80
Mean −1.554e+08
Std Dev 1.554e+08
×10¹²
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

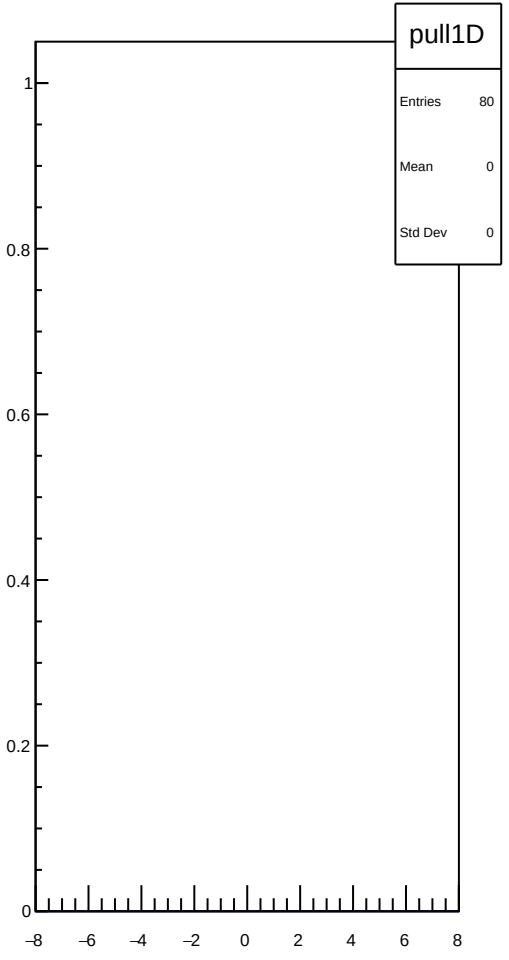

dit_4aY_coil3_err_mean vs run
χ² / ndf 2.287e+29 / 79
p0 0.3104 ± 1.118e−16
0.45
0.4
0.35
0.3
0.25
×10¹²
140
120
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 80
Mean 8.842e+08
Std Dev 8.842e+08

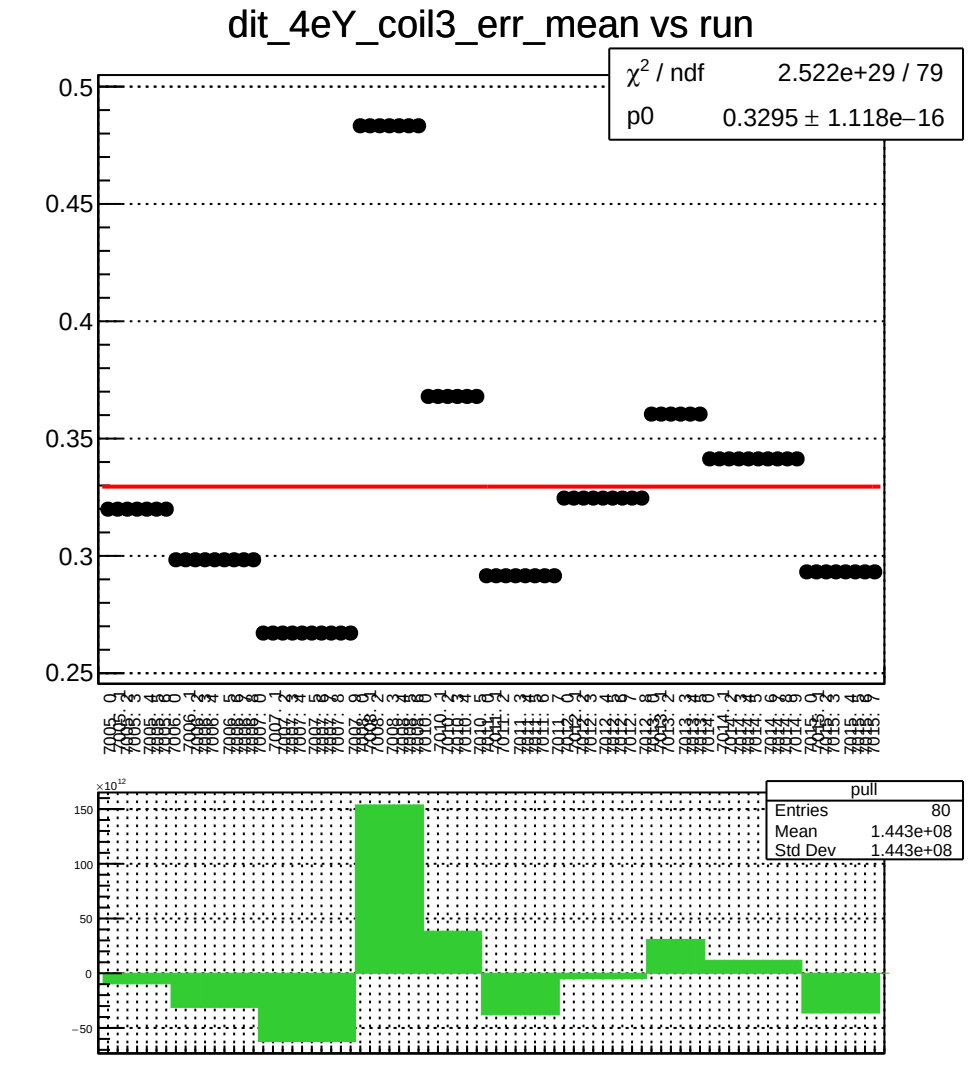

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

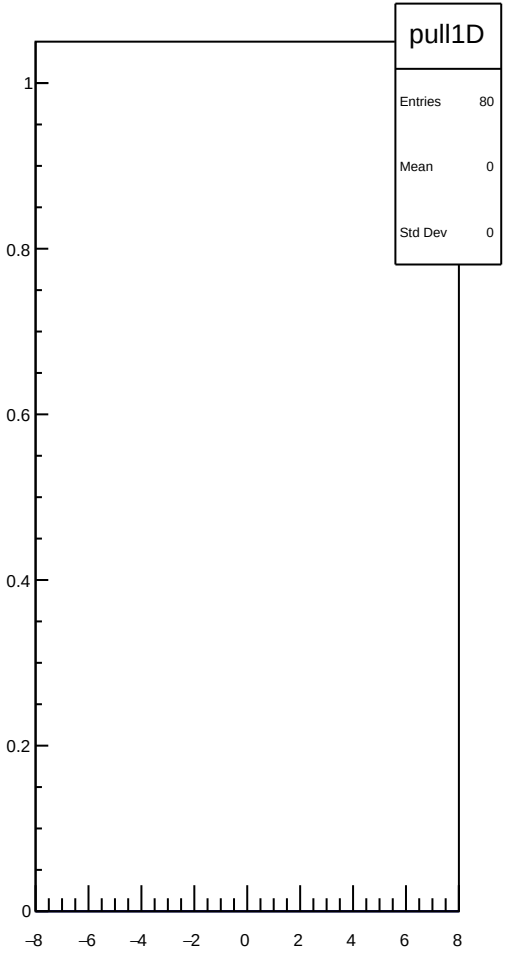

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

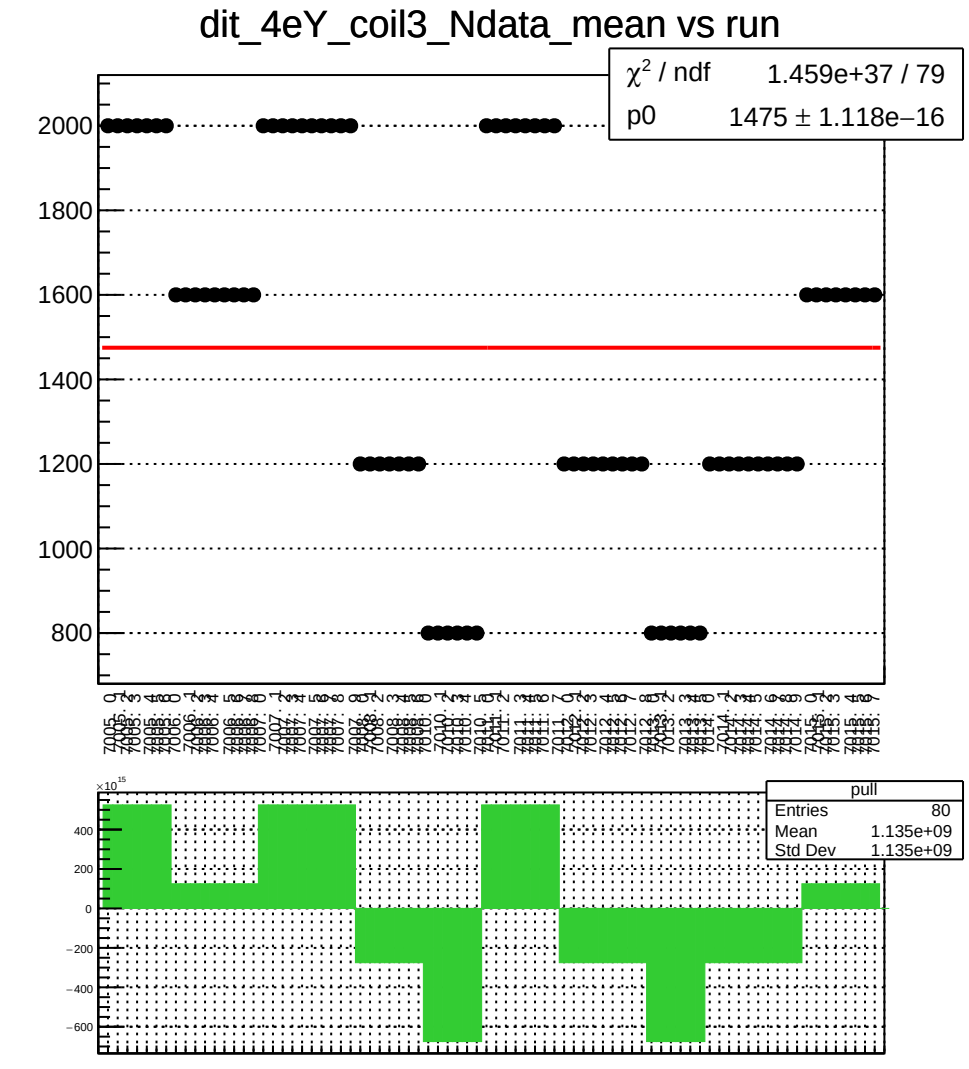

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

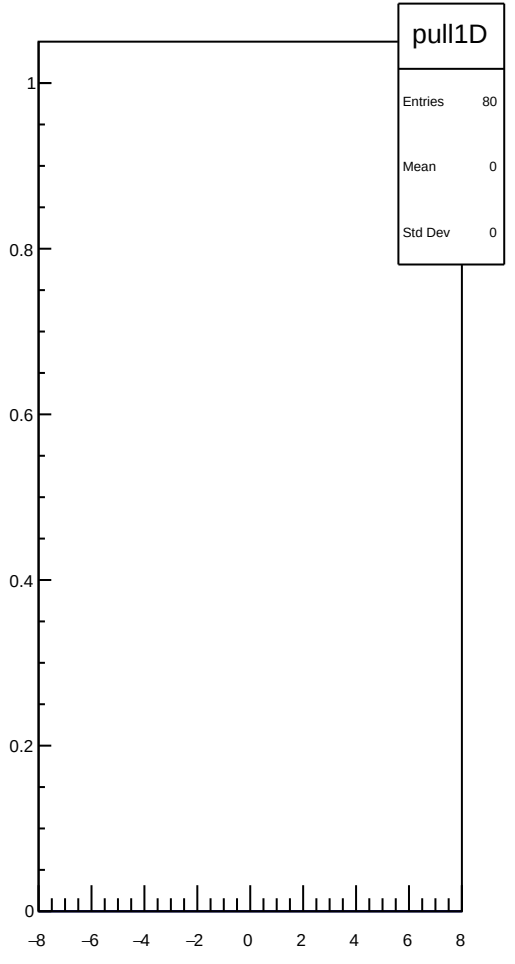

dit_4eY_coil3_mean vs run
χ² / ndf 2.779e+30 / 79
p0 4.235 ± 1.118e−16
4.7
4.6
4.5
4.4
4.3
4.2
4.1
4
×10¹²
400
300
200
100
0
−100
−200
pull
Entries 80
Mean −4.695e+08
Std Dev 4.695e+08

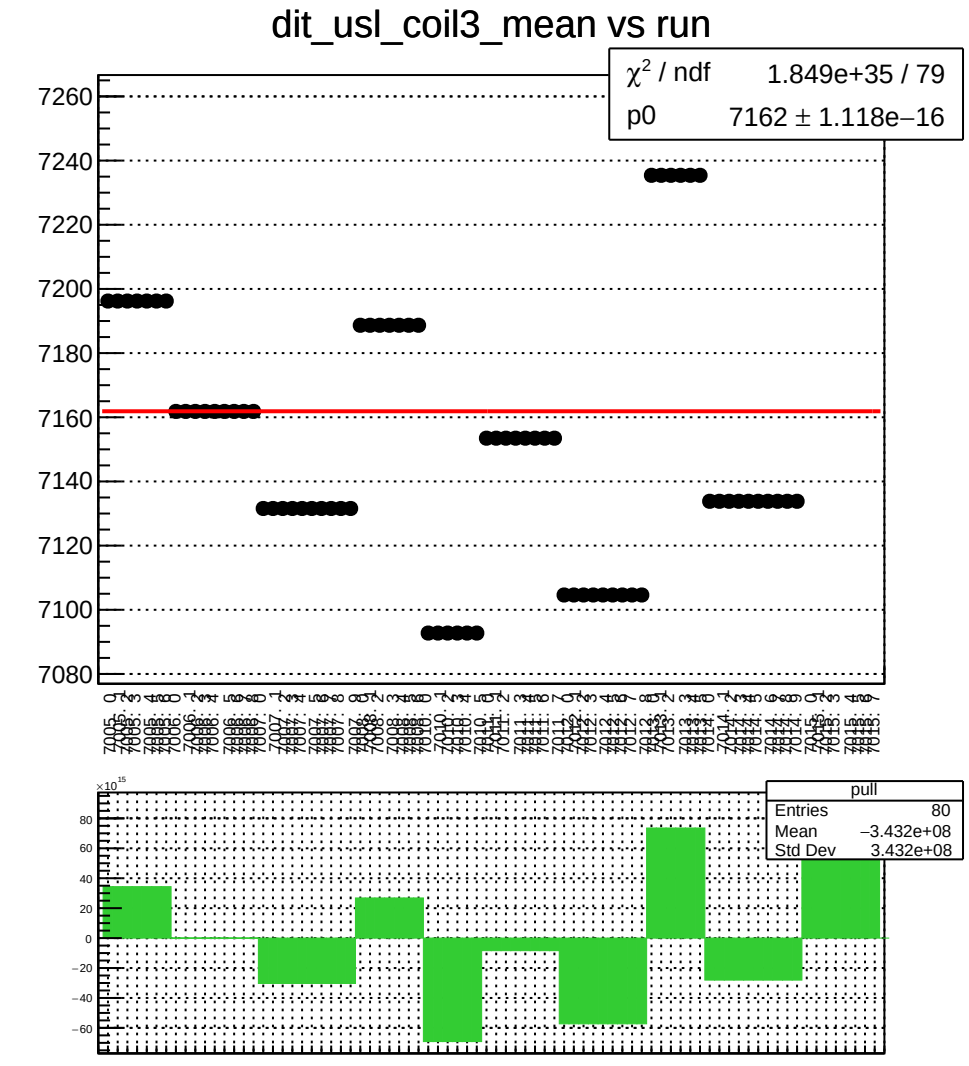

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

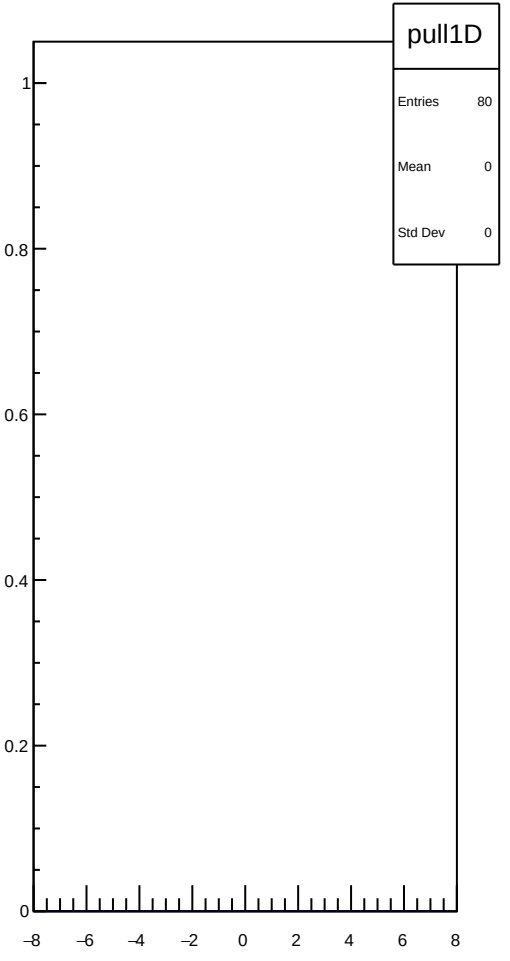

dit_4eY_coil3_err_mean vs run
χ² / ndf 2.522e+29 / 79
p0 0.3295 ± 1.118e−16
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 80
Mean 1.443e+08
Std Dev 1.443e+08
×10¹²
150
100
50
0
−50

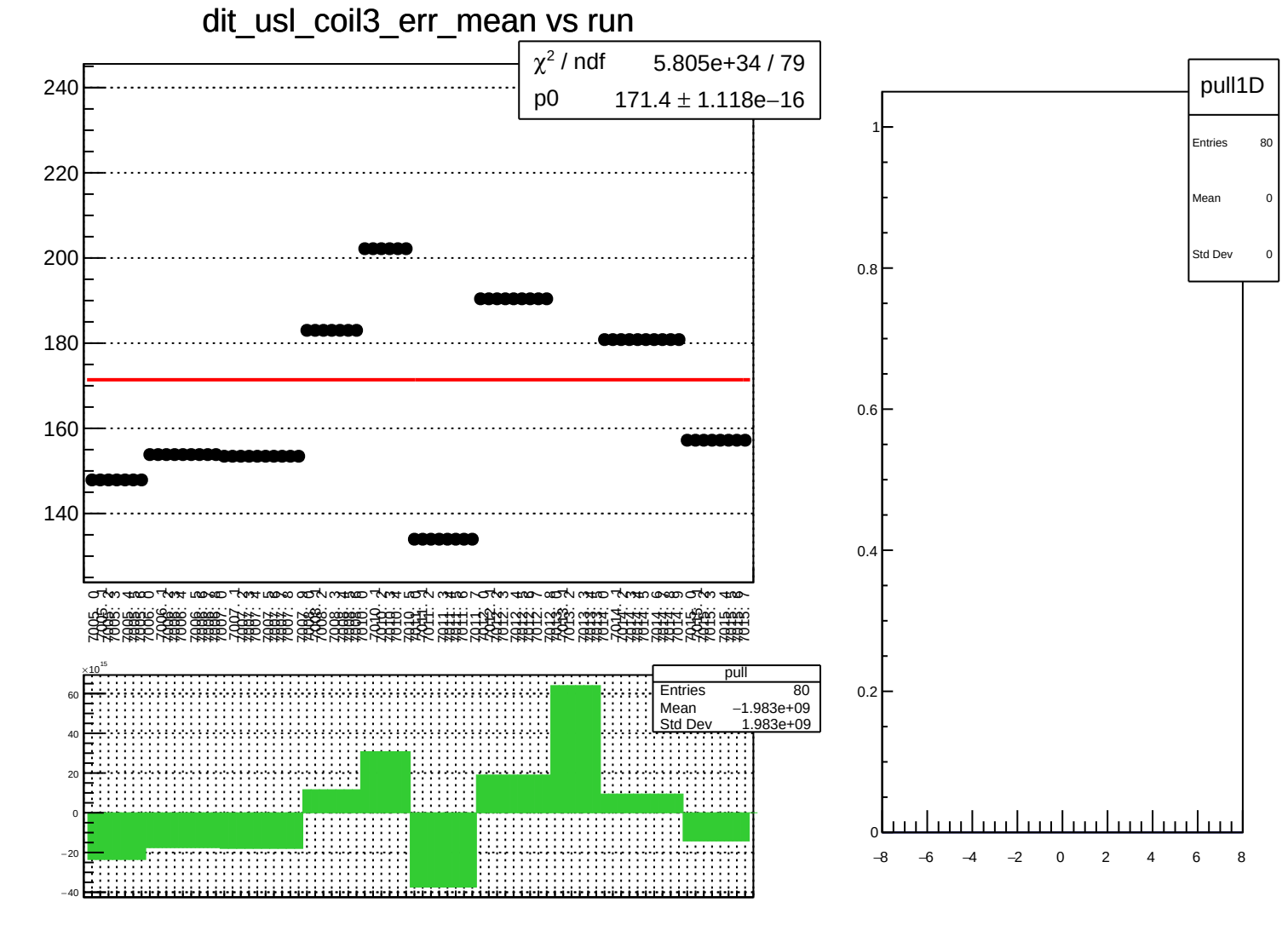

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

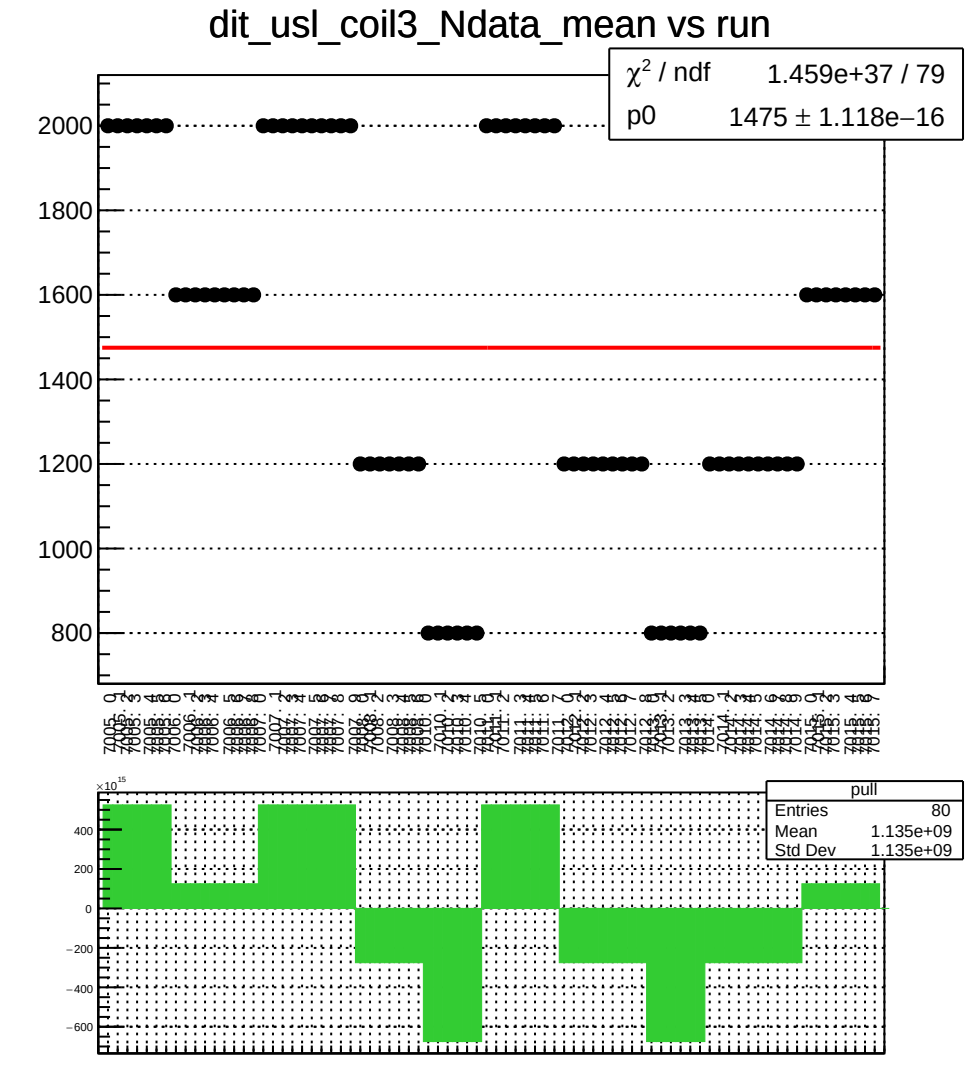

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

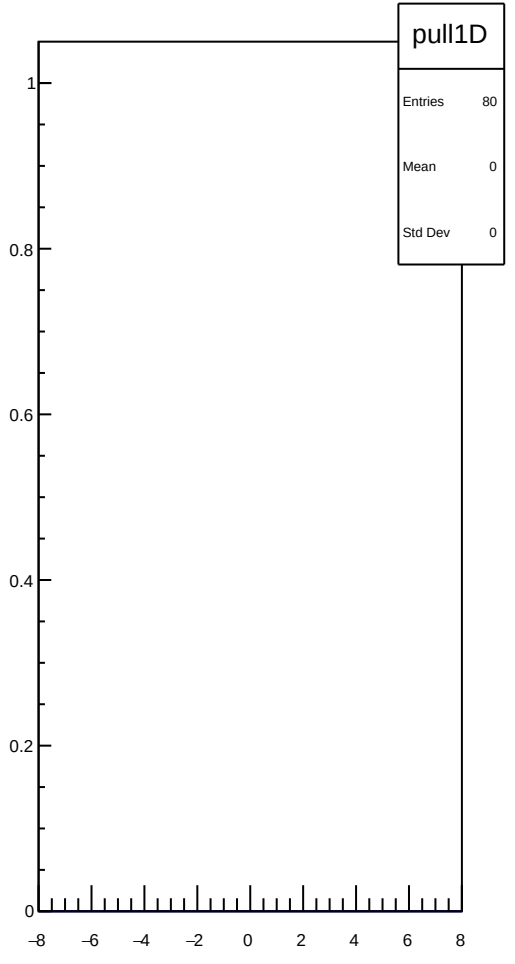

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

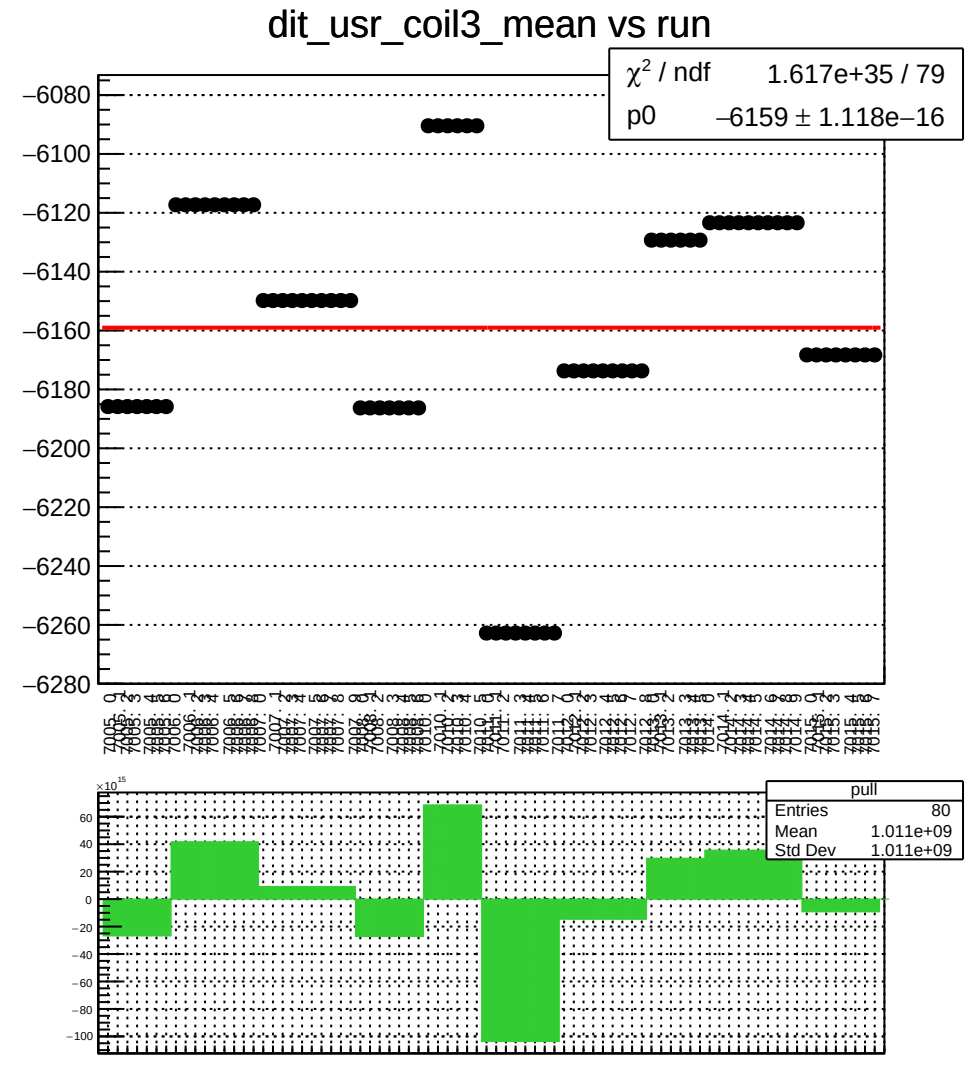

dit_usl_coil3_mean vs run
χ² / ndf 1.849e+35 / 79
p0 7162 ± 1.118e−16
7260
7240
7220
7200
7180
7160
7140
7120
7100
7080
×10¹⁵
80
60
40
20
0
−20
−40
−60
pull
Entries 80
Mean −3.432e+08
Std Dev 3.432e+08

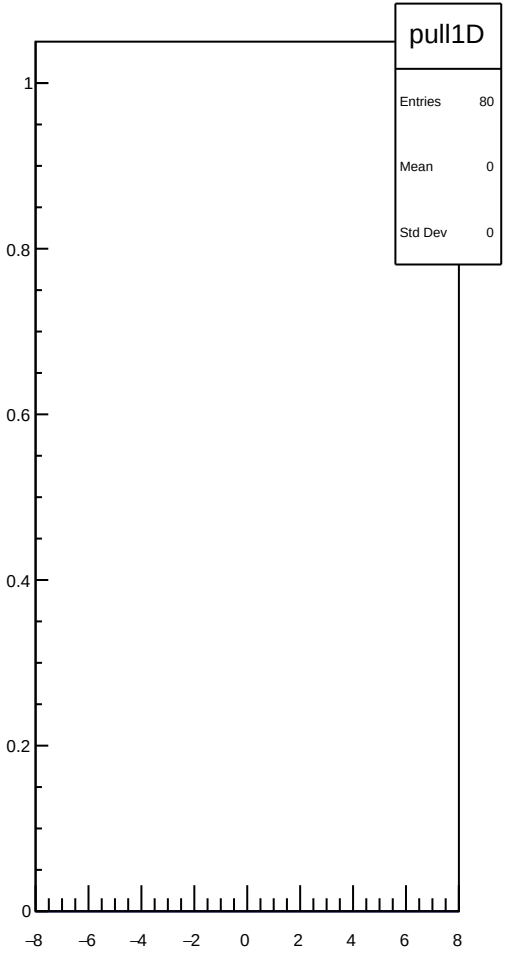

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

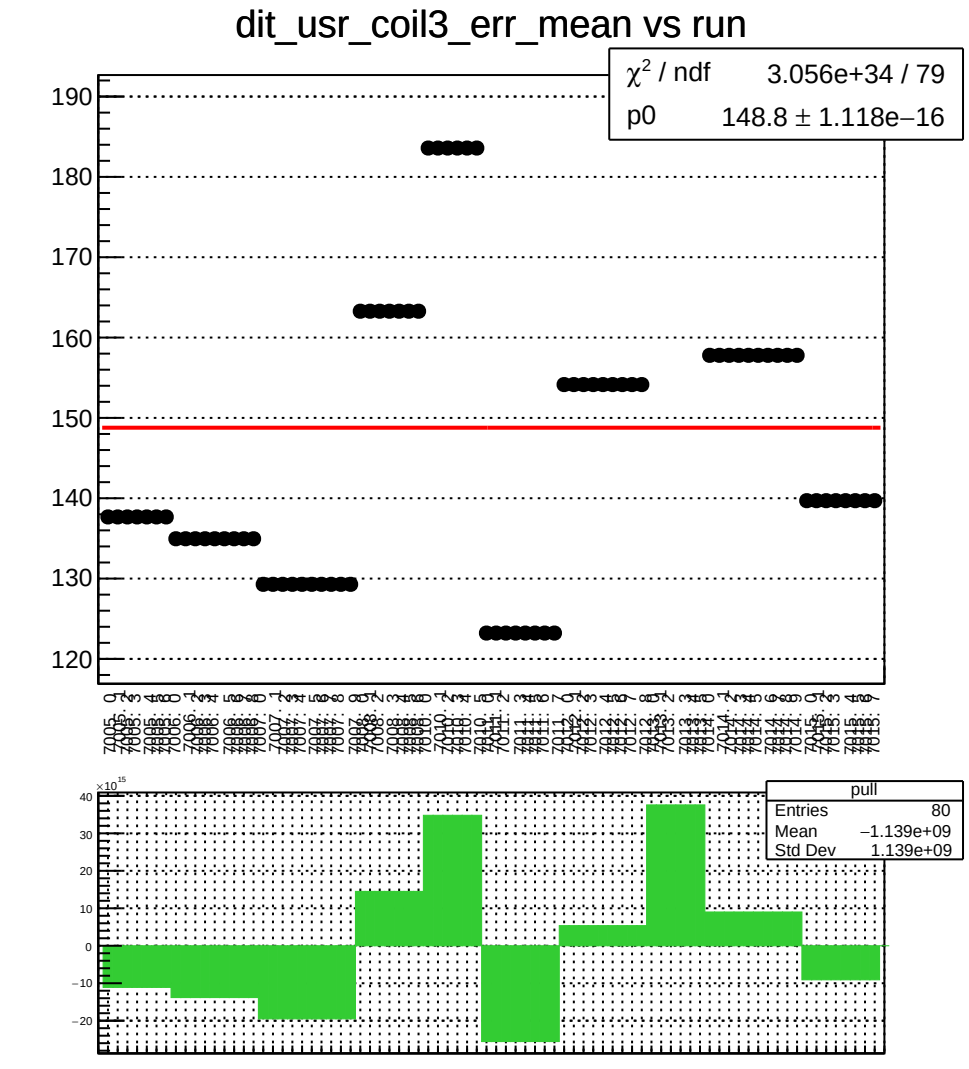

dit_usl_coil3_err_mean vs run
χ² / ndf 5.805e+34 / 79
p0 171.4 ± 1.118e−16
240
220
200
180
160
140
pull
Entries 80
Mean −1.983e+09
Std Dev 1.983e+09
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

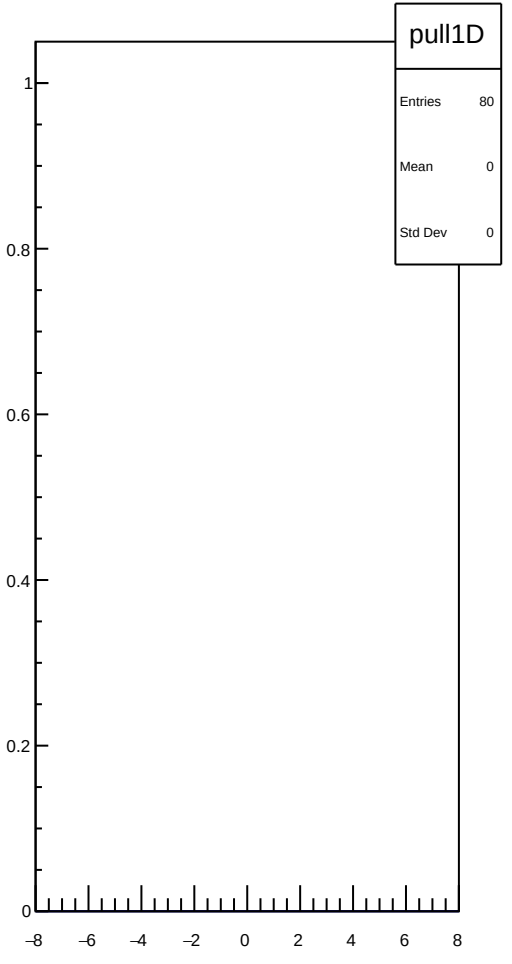

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

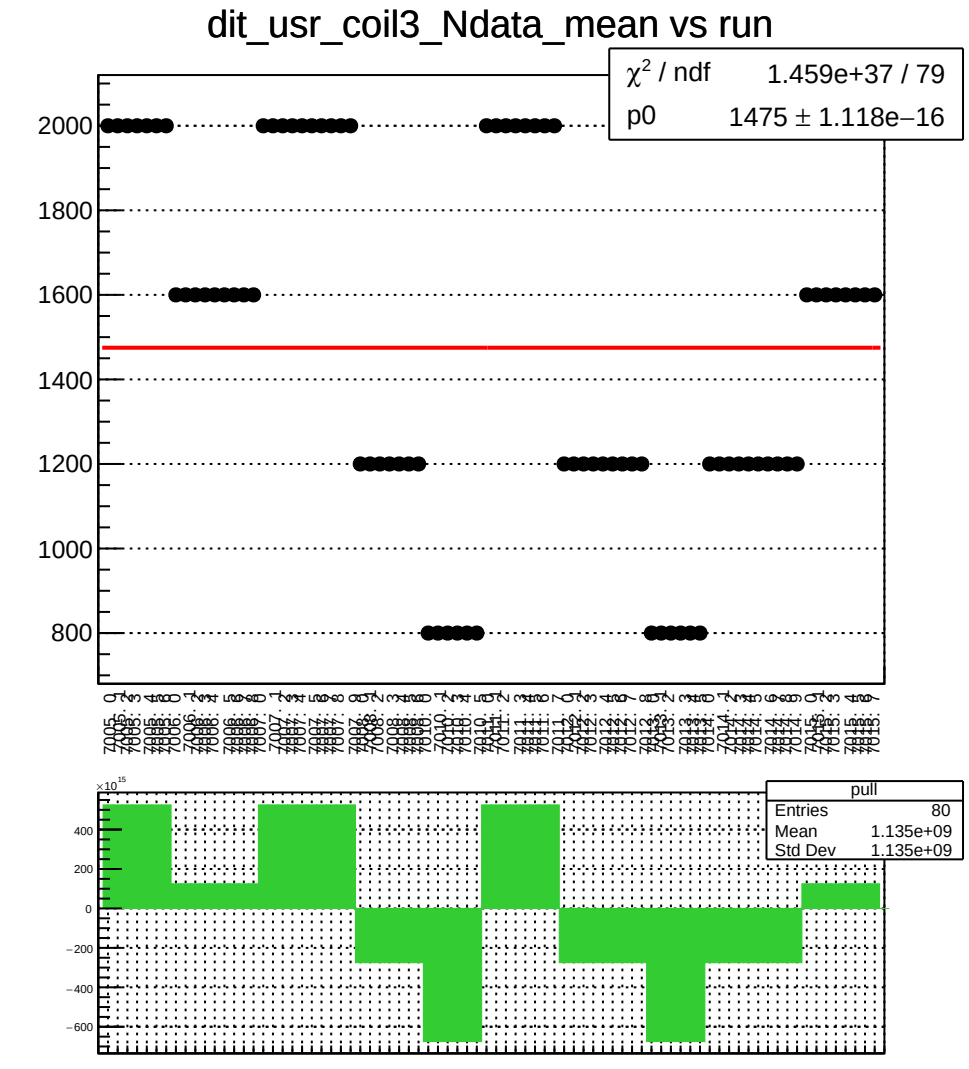

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

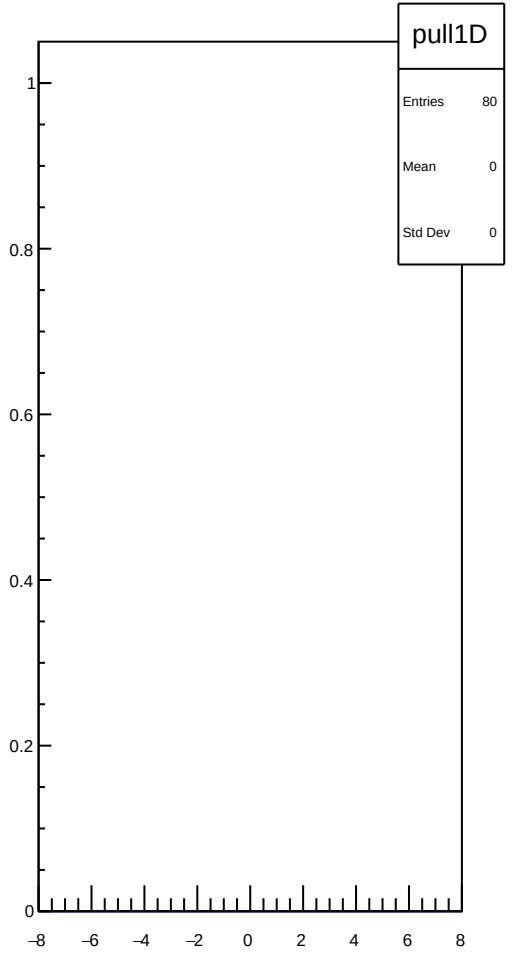

dit_usr_coil3_mean vs run
χ² / ndf 1.617e+35 / 79
p0 −6159 ± 1.118e−16
−6080
−6100
−6120
−6140
−6160
−6180
−6200
−6220
−6240
−6260
−6280
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 80
Mean 1.011e+09
Std Dev 1.011e+09

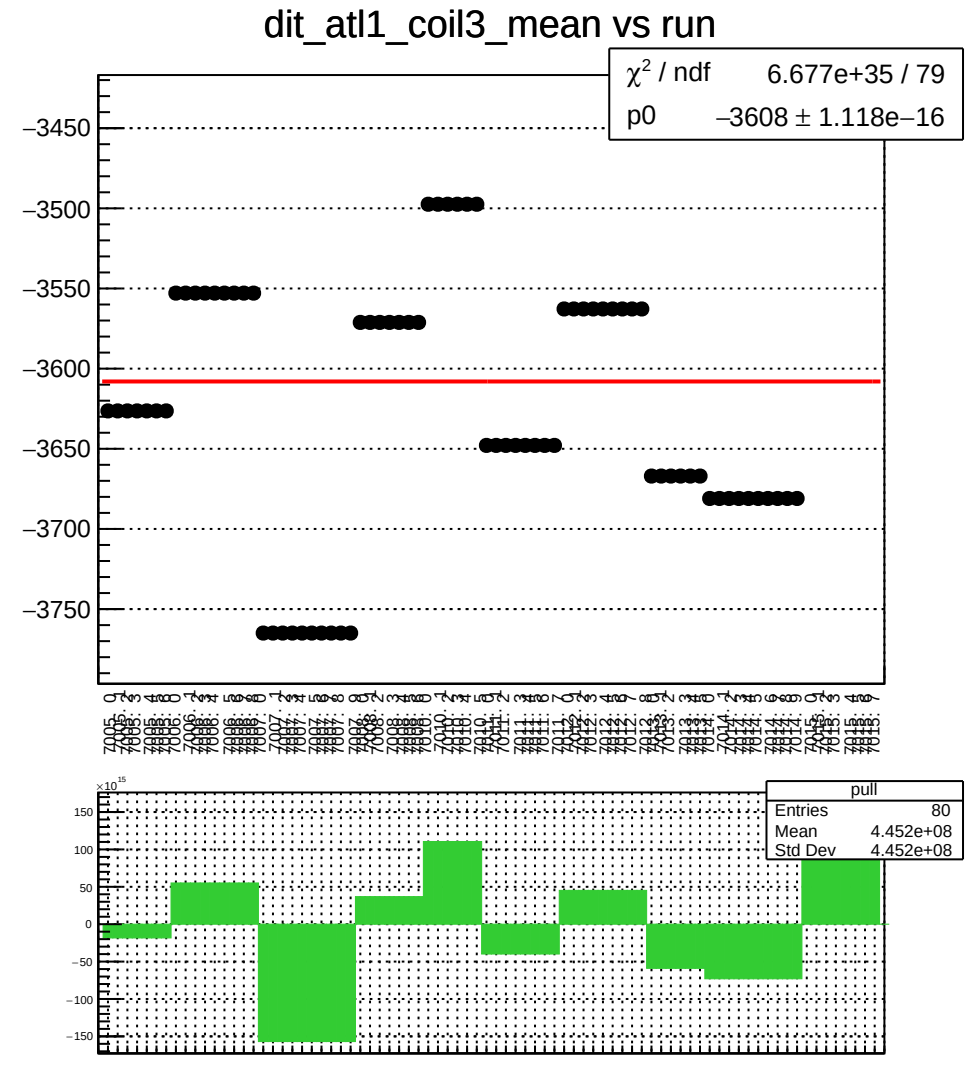

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

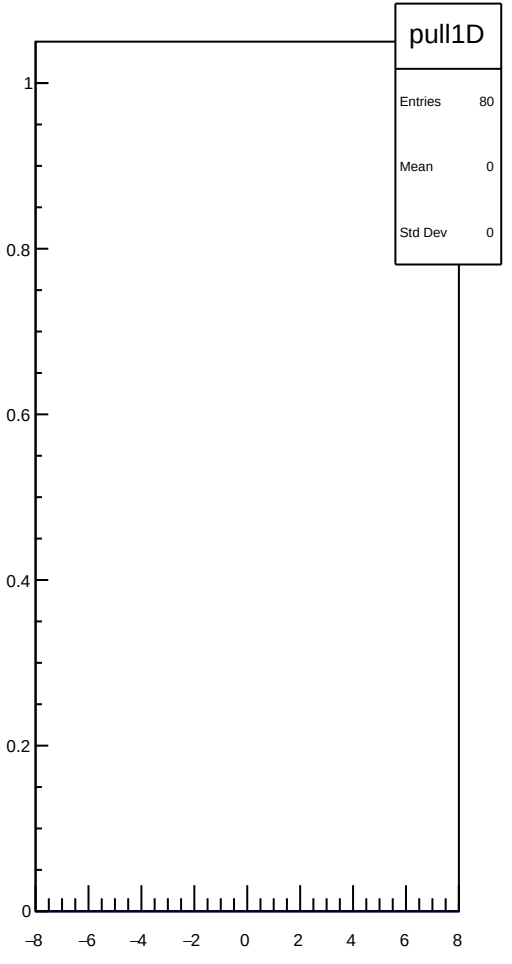

dit_usr_coil3_err_mean vs run
χ² / ndf 3.056e+34 / 79
p0 148.8 ± 1.118e−16
190
180
170
160
150
140
130
120
pull
Entries 80
Mean −1.139e+09
Std Dev 1.139e+09
×10¹⁵
40
30
20
10
0
−10
−20

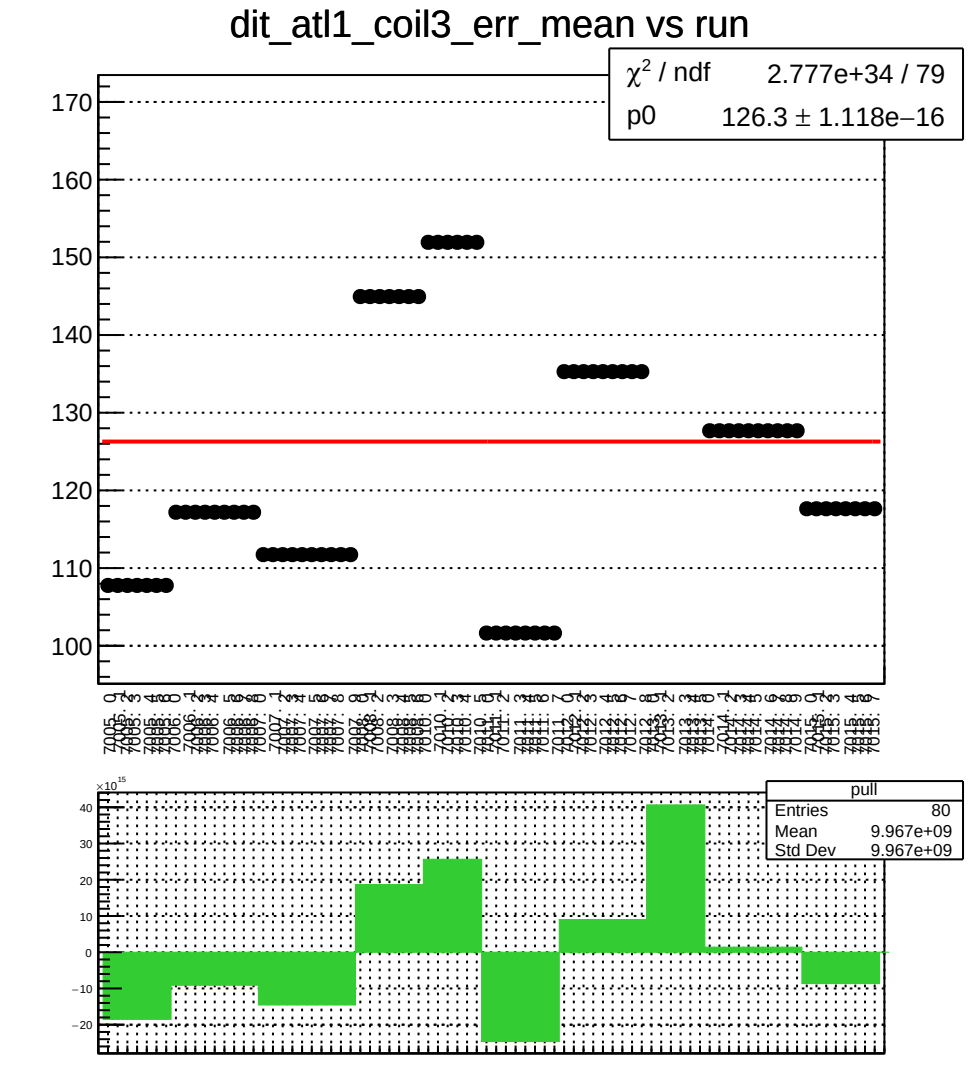

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

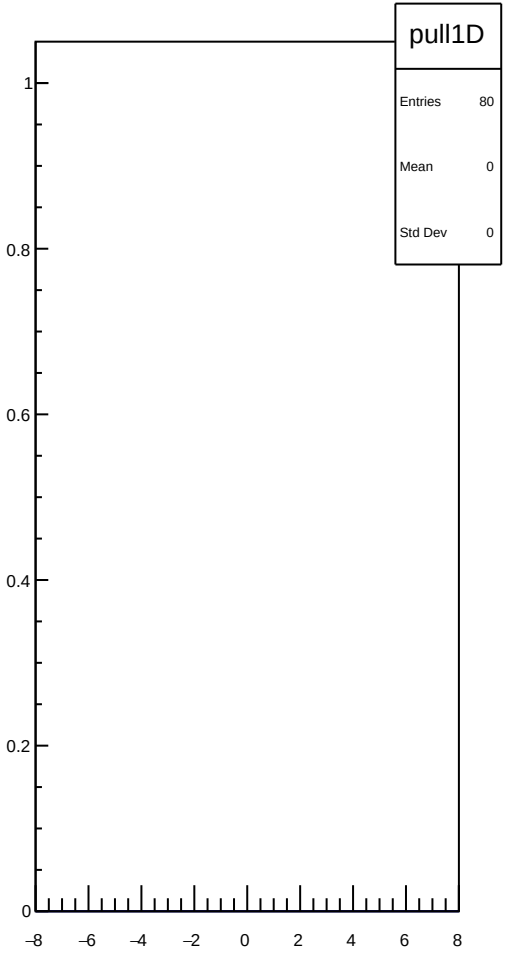

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

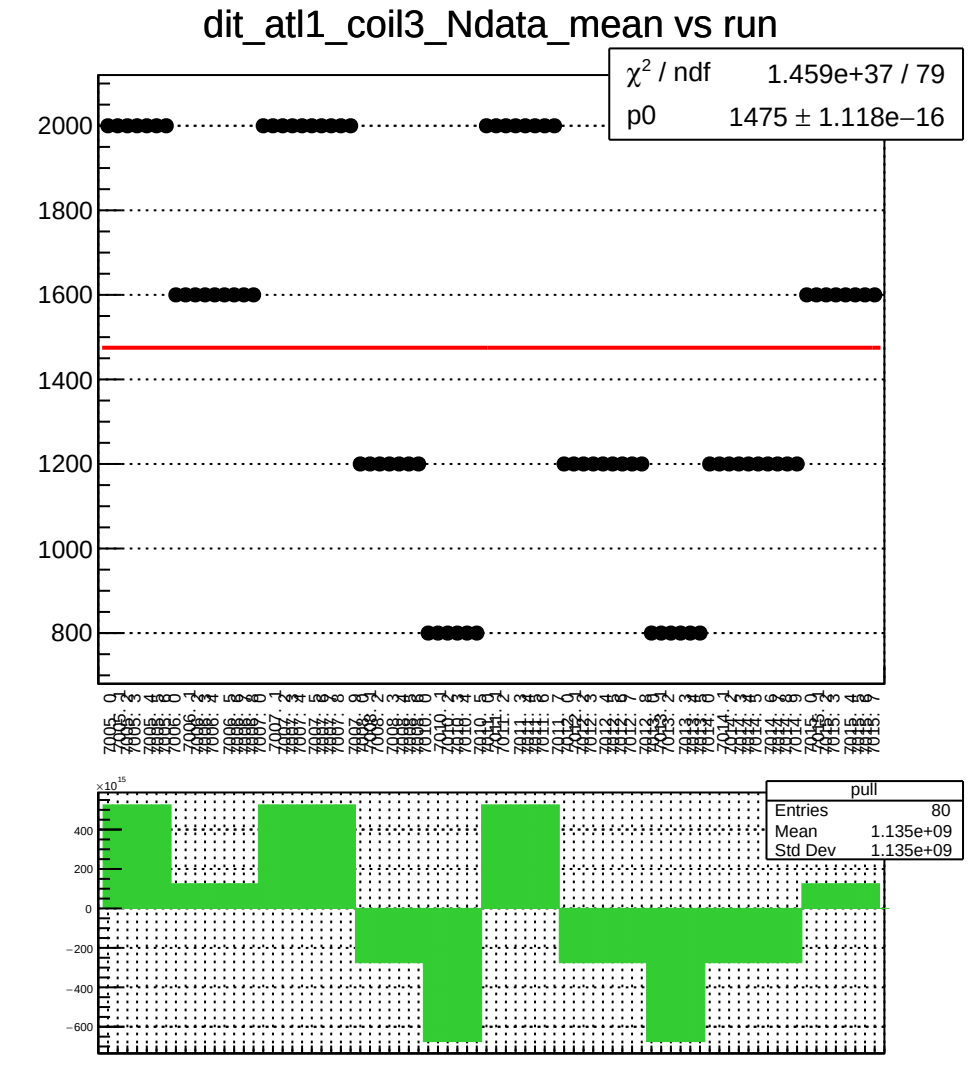

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

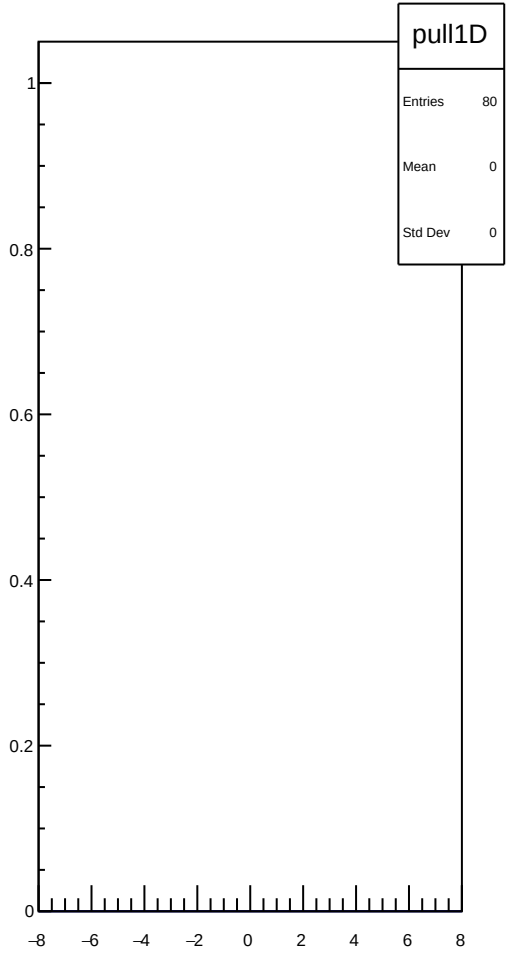

dit_atl1_coil3_mean vs run
χ² / ndf 6.677e+35 / 79
p0 −3608 ± 1.118e−16
−3450
−3500
−3550
−3600
−3650
−3700
−3750
pull
Entries 80
Mean 4.452e+08
Std Dev 4.452e+08
×10¹⁵
150
100
50
0
−50
−100
−150

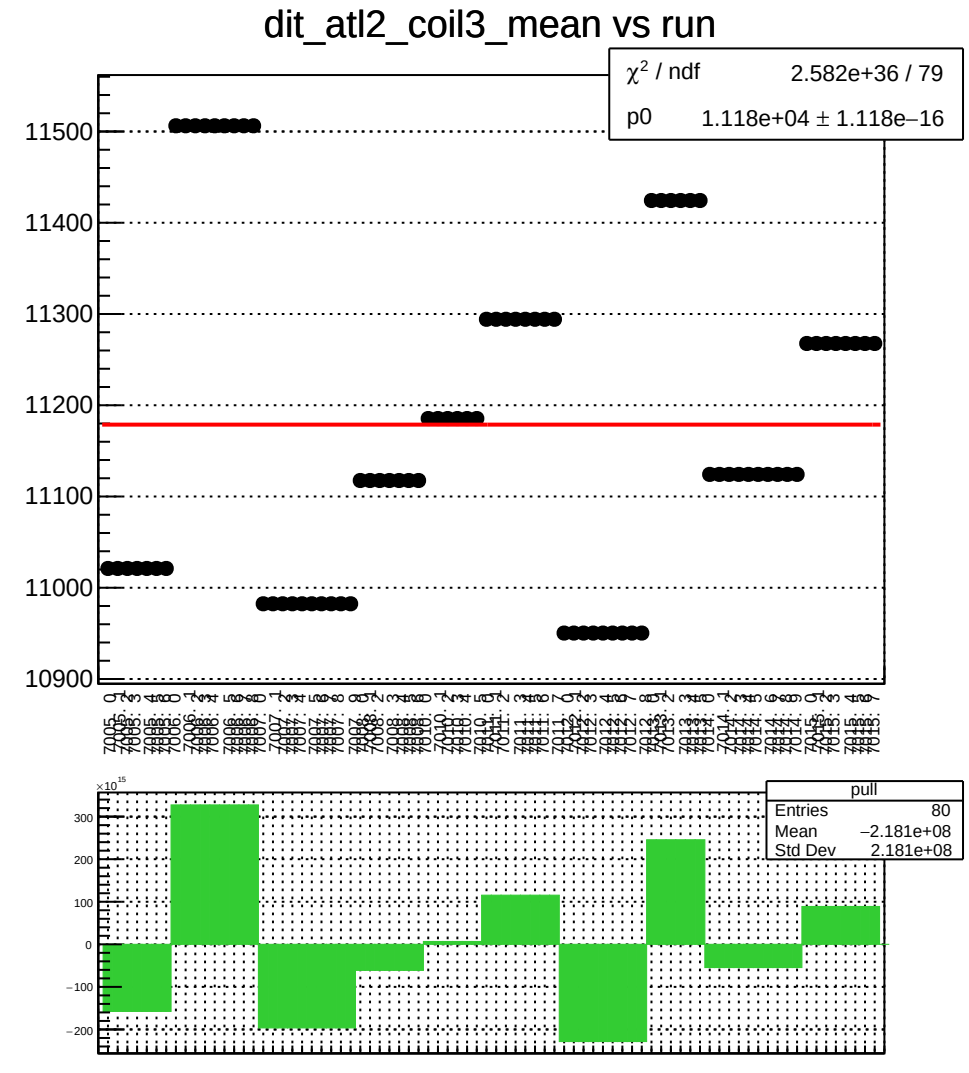

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

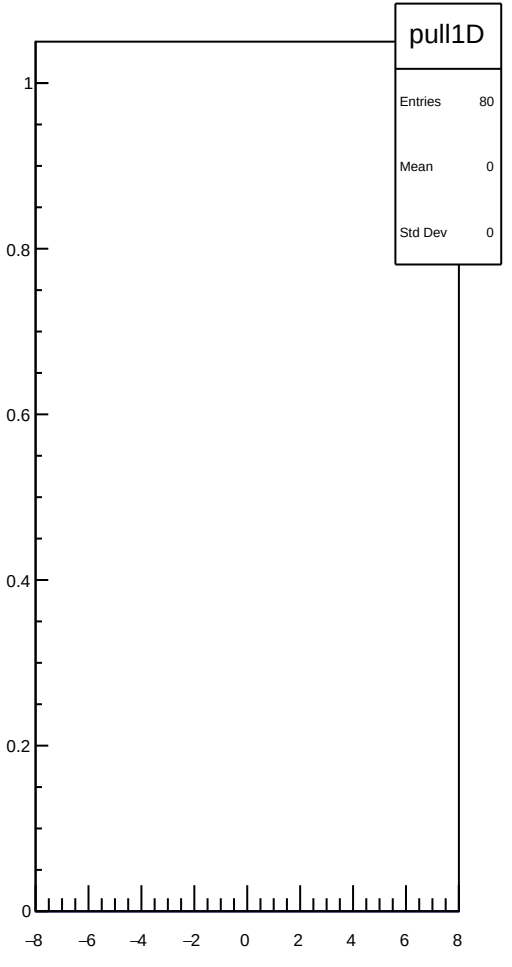

dit_atl1_coil3_err_mean vs run
χ² / ndf 2.777e+34 / 79
p0 126.3 ± 1.118e−16
170
160
150
140
130
120
110
100
pull
Entries 80
Mean 9.967e+09
Std Dev 9.967e+09
×10¹⁵
40
30
20
10
0
−10
−20

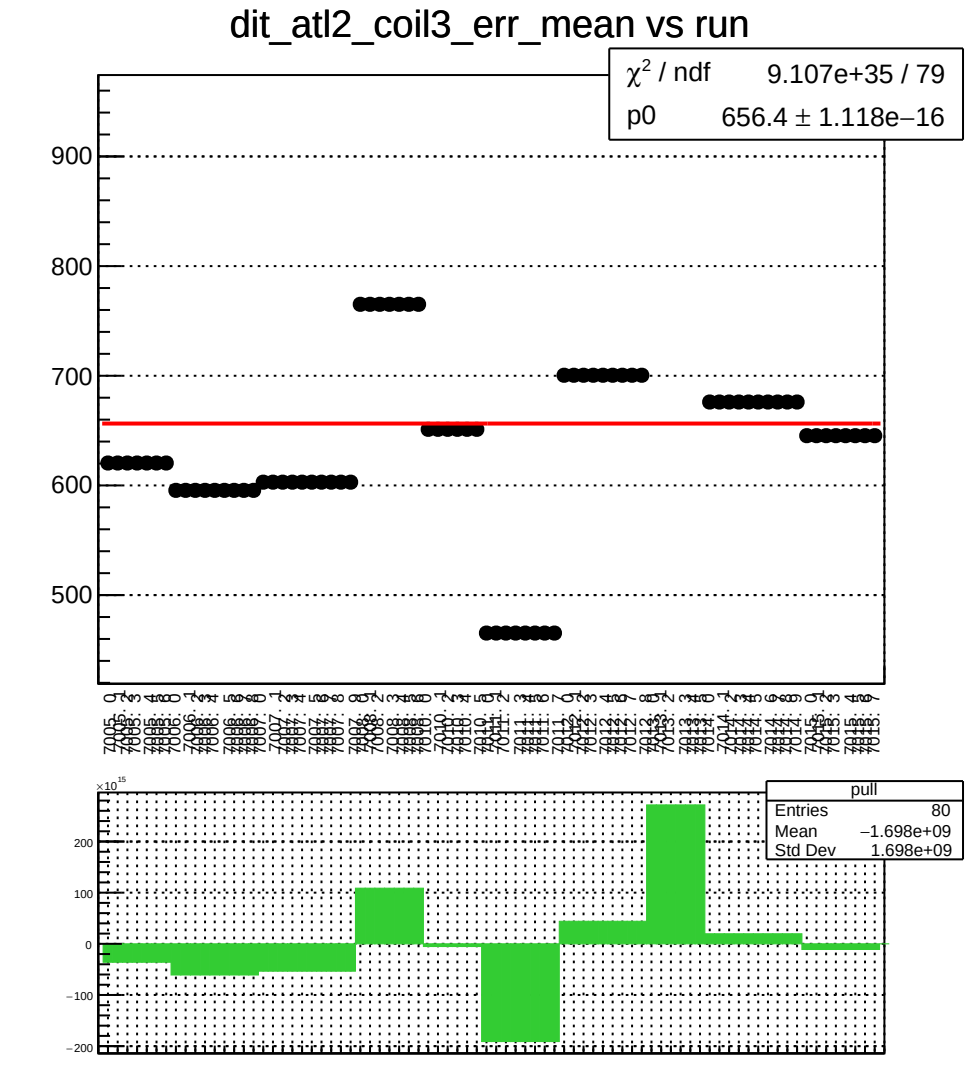

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

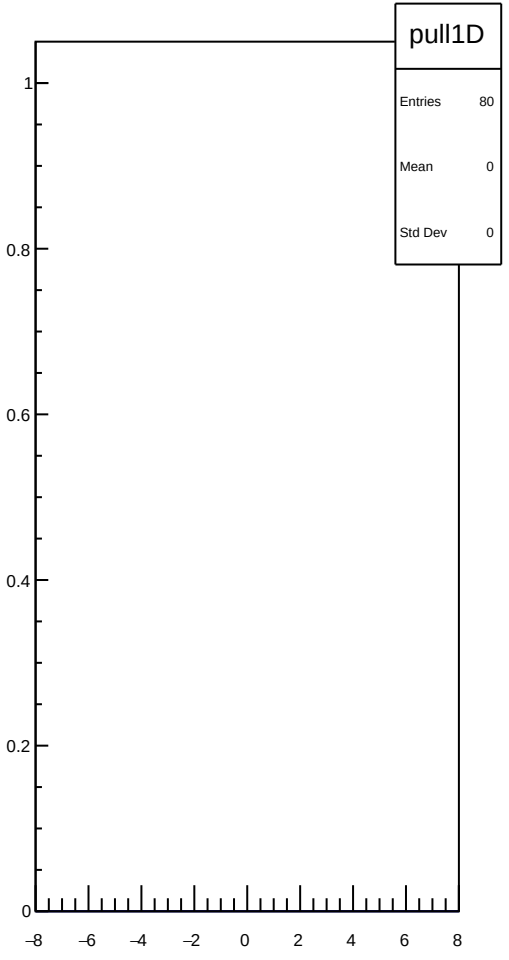

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
400
200
0
−200
−400
−600

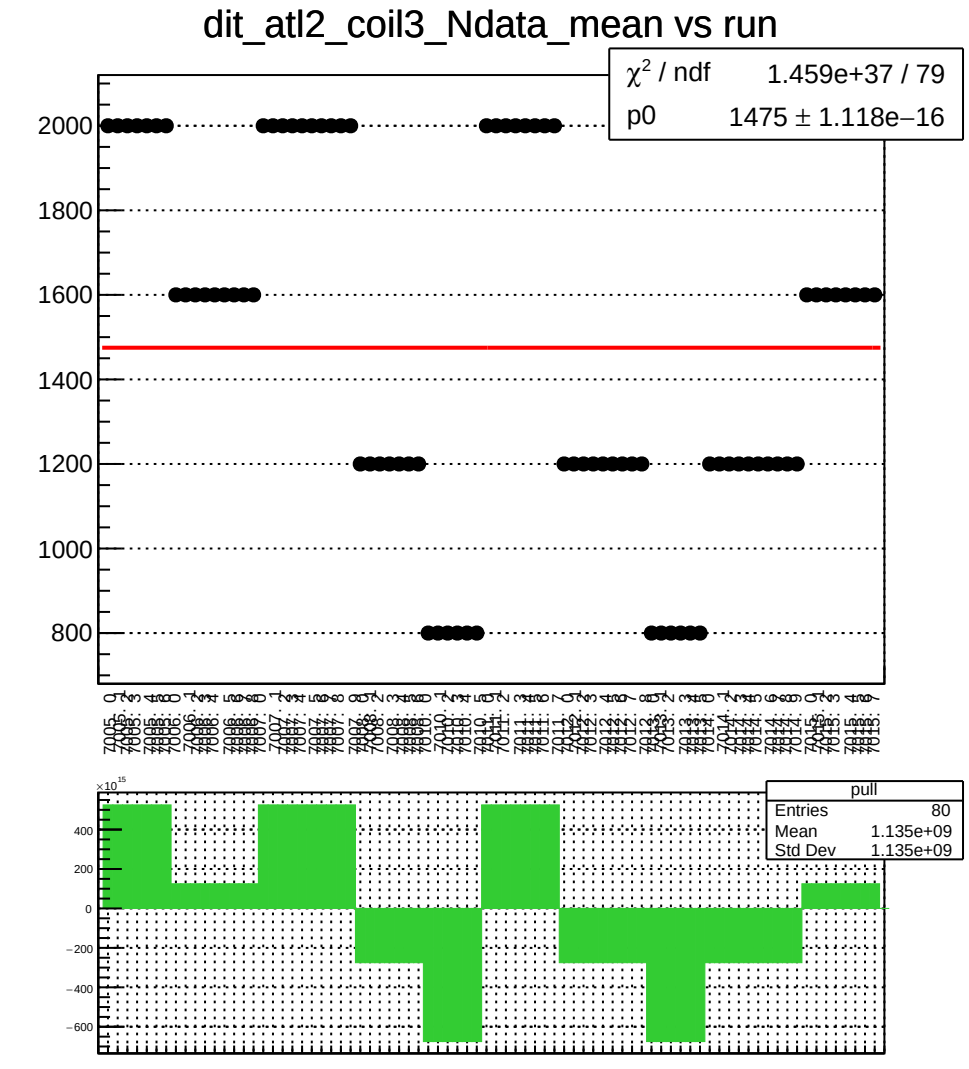

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

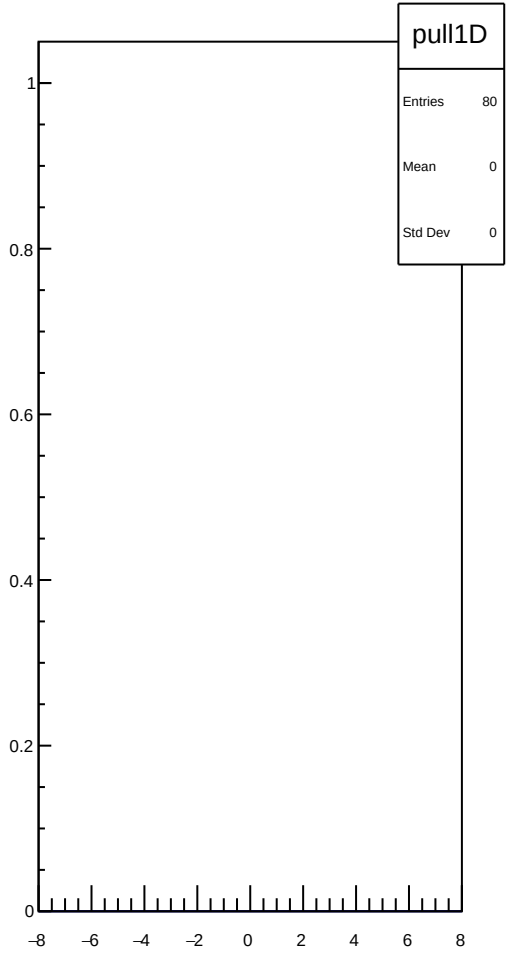

dit_atl2_coil3_mean vs run
χ² / ndf 2.582e+36 / 79
p0 1.118e+04 ± 1.118e−16
11500
11400
11300
11200
11100
11000
10900
pull
Entries 80
Mean −2.181e+08
Std Dev 2.181e+08
×10¹⁵
300
200
100
0
−100
−200

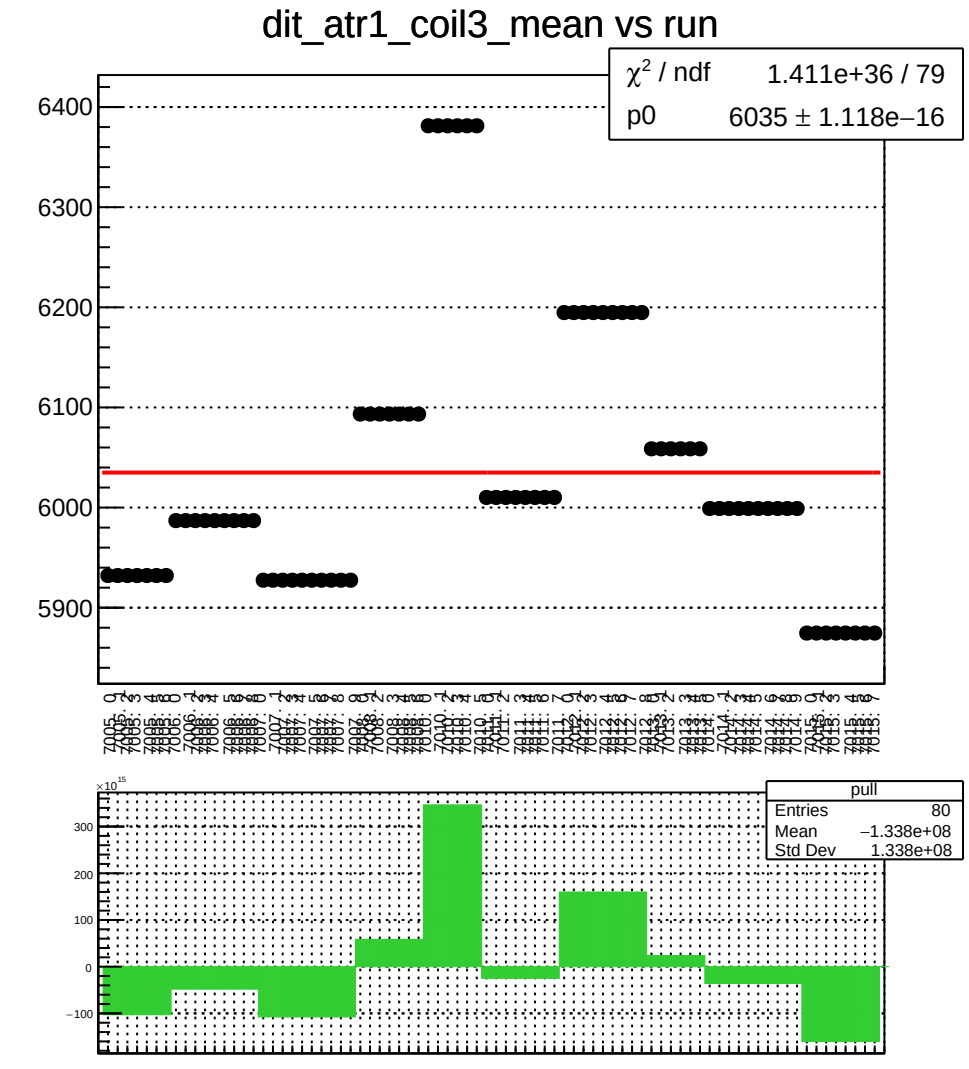

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

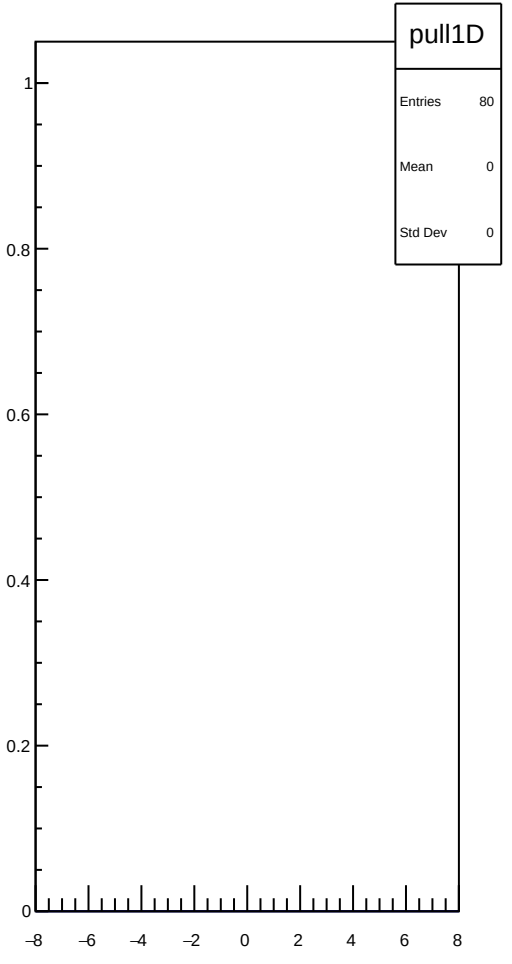

dit_atl2_coil3_err_mean vs run
χ² / ndf 9.107e+35 / 79
p0 656.4 ± 1.118e−16
900
800
700
600
500
×10¹⁵
200
100
0
−100
−200
pull
Entries 80
Mean −1.698e+09
Std Dev 1.698e+09

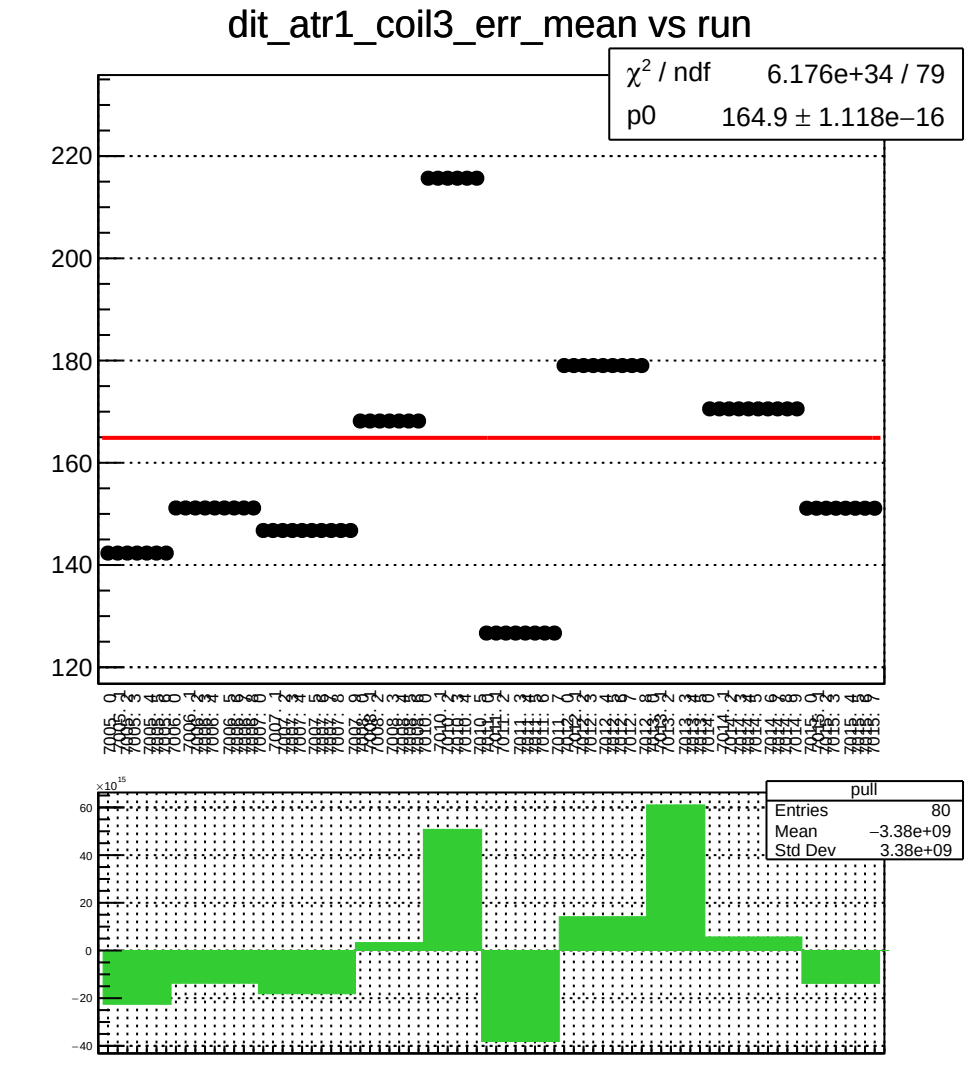

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

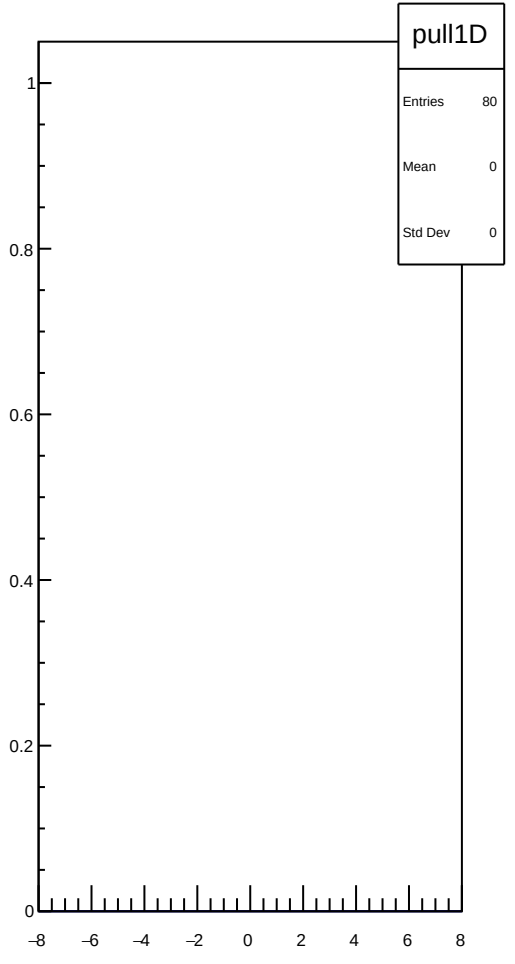

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

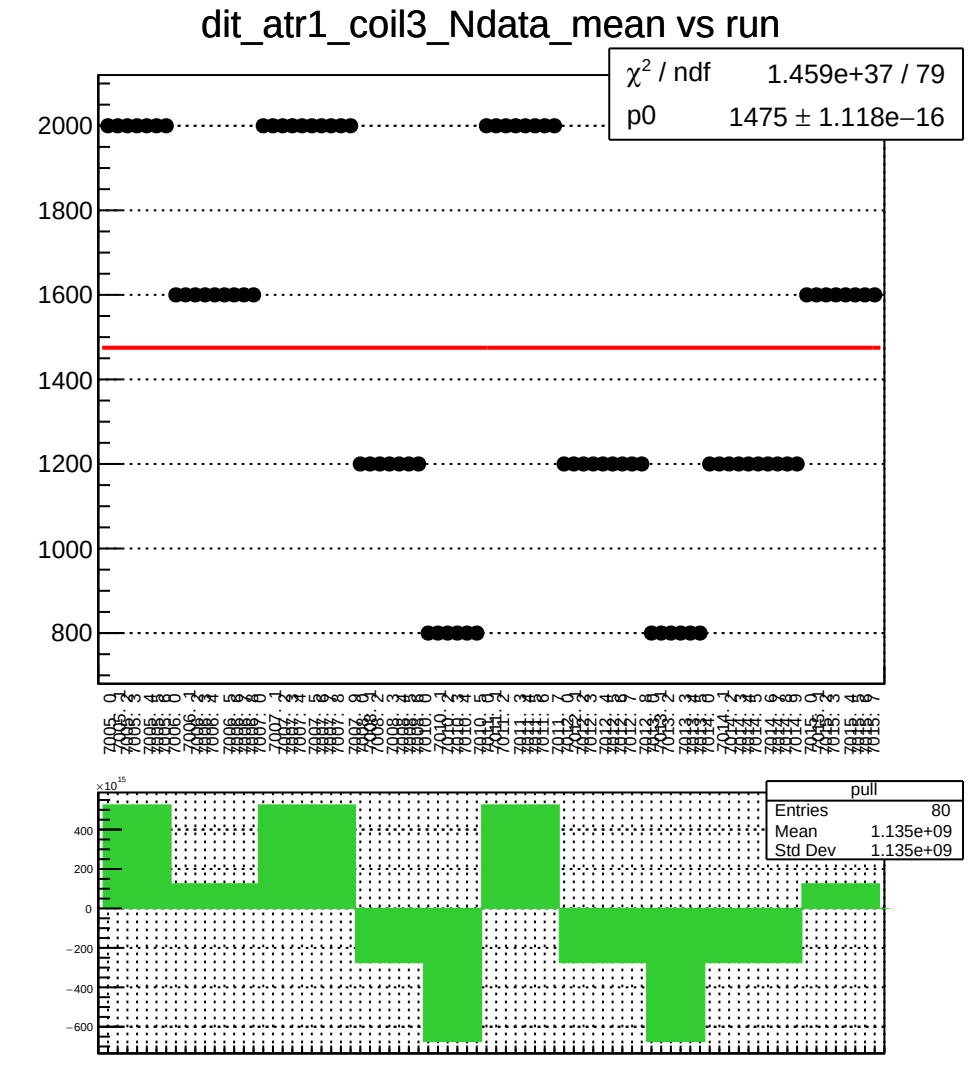

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

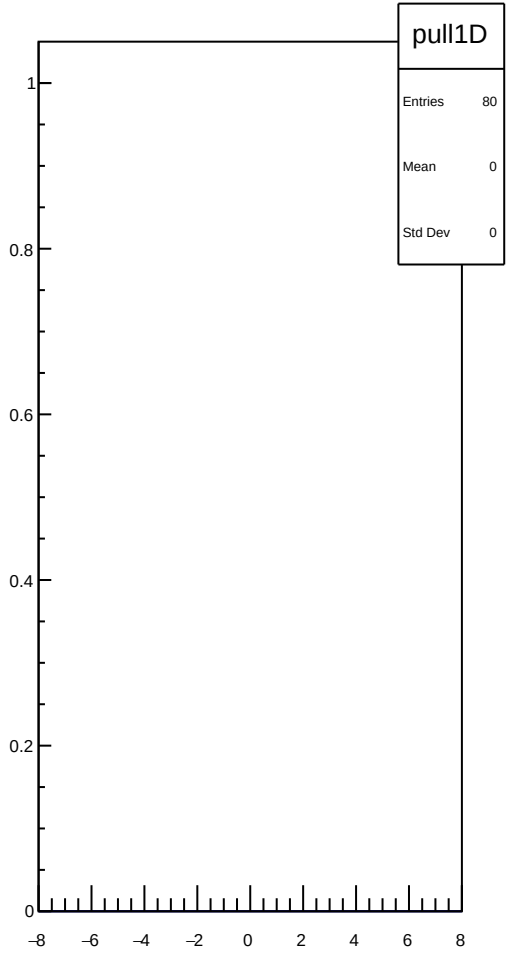

dit_atr1_coil3_mean vs run
χ² / ndf 1.411e+36 / 79
p0 6035 ± 1.118e−16
6400
6300
6200
6100
6000
5900
pull
Entries 80
Mean −1.338e+08
Std Dev 1.338e+08
×10¹⁵
300
200
100
0
−100

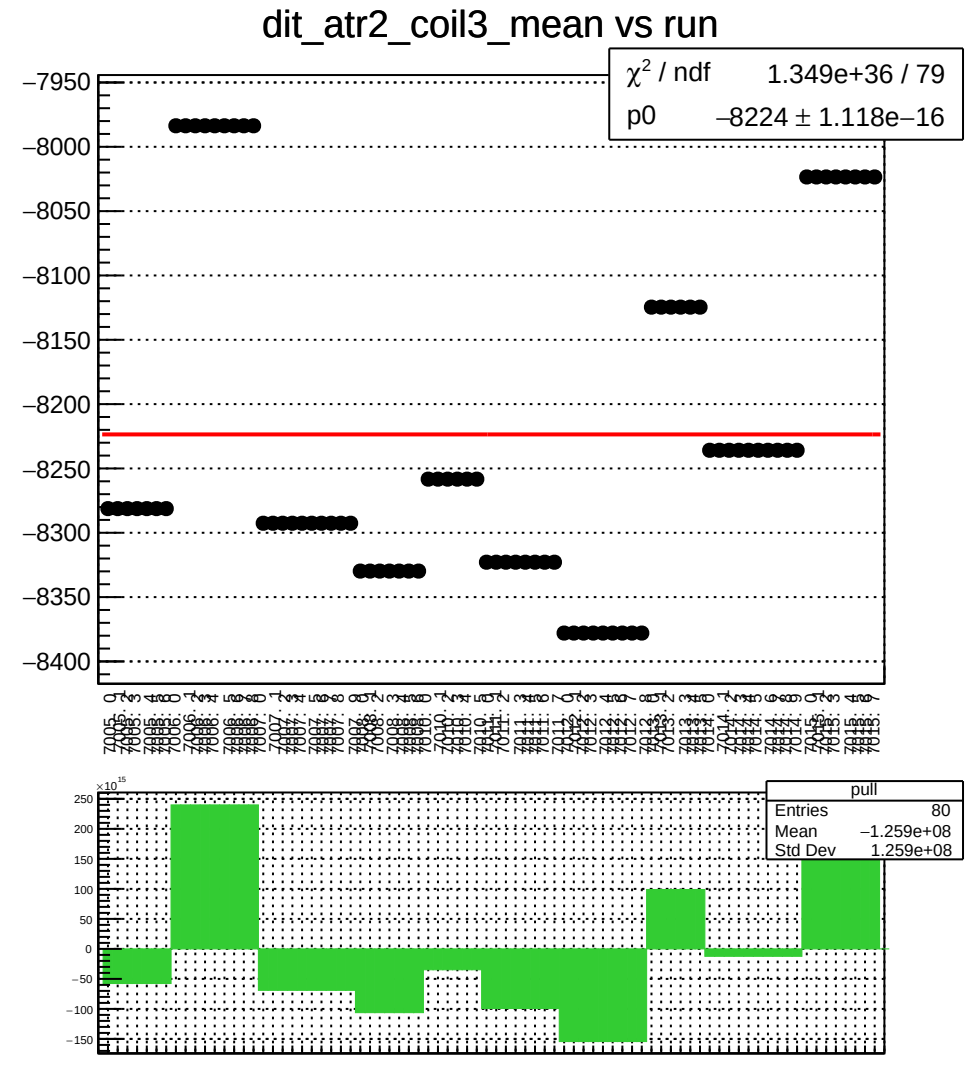

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

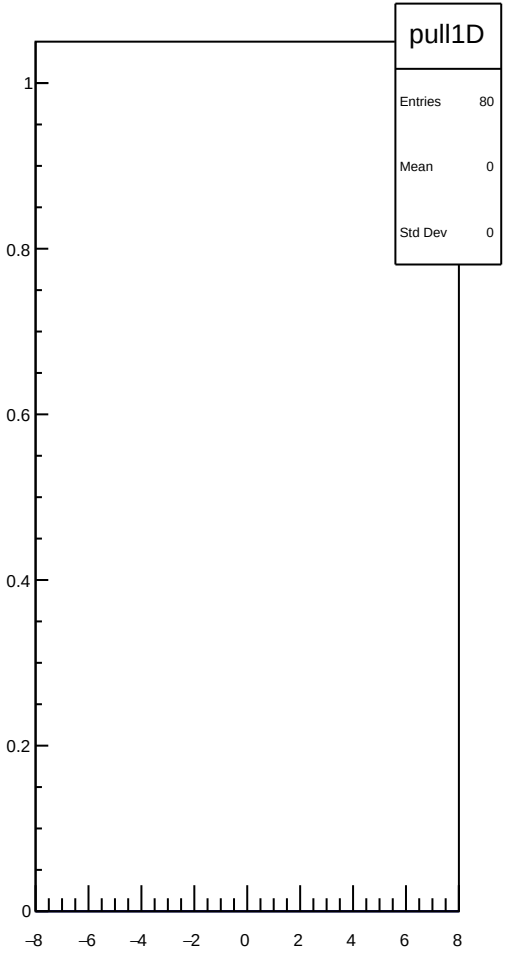

dit_atr1_coil3_err_mean vs run
χ² / ndf 6.176e+34 / 79
p0 164.9 ± 1.118e−16
220
200
180
160
140
120
×10¹⁵
60
40
20
0
−20
−40
pull
Entries 80
Mean −3.38e+09
Std Dev 3.38e+09

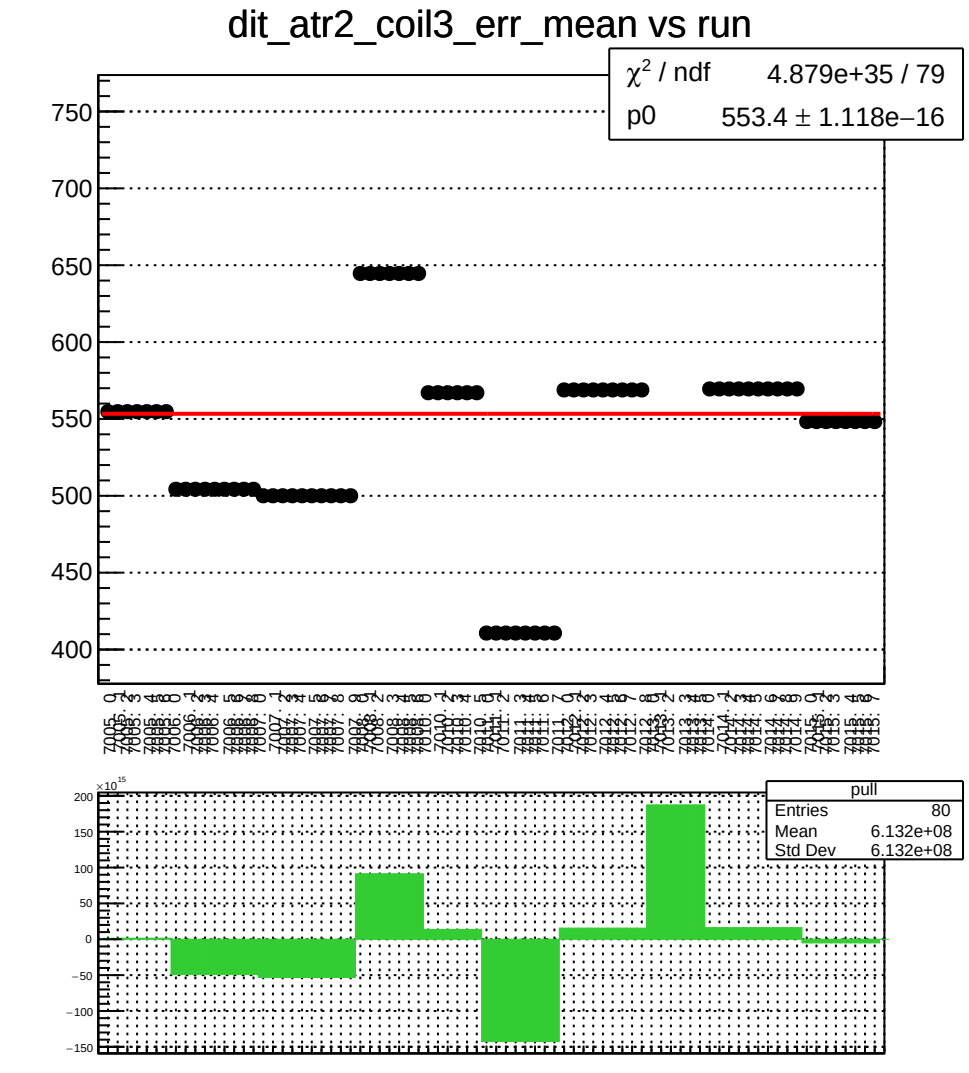

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

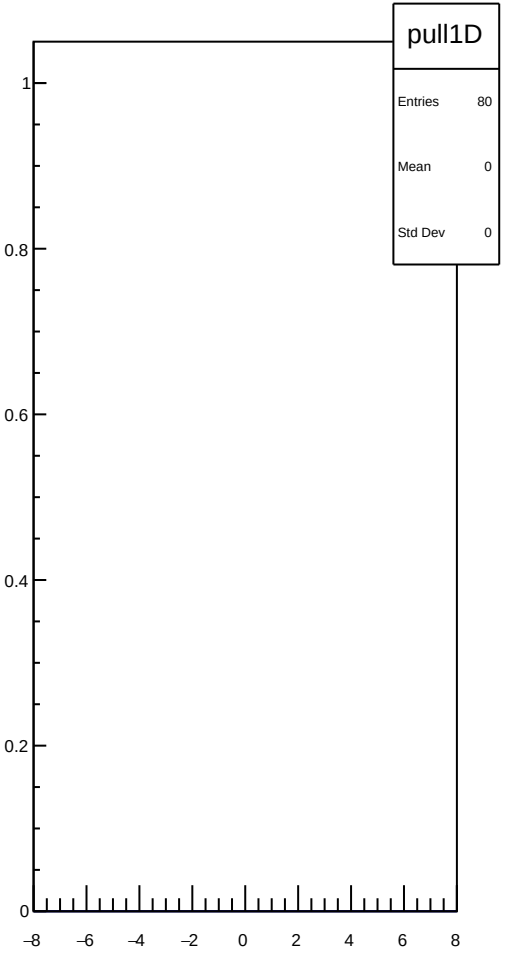

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09

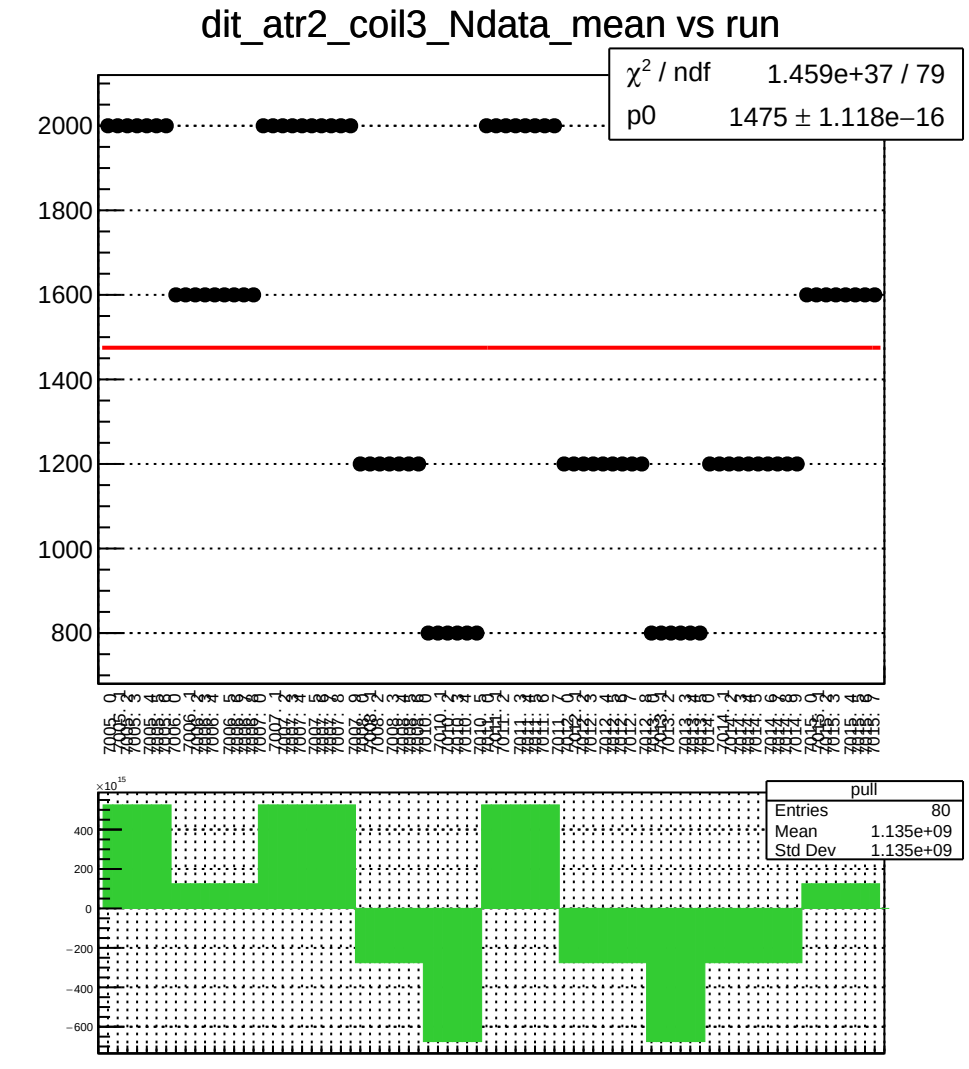

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

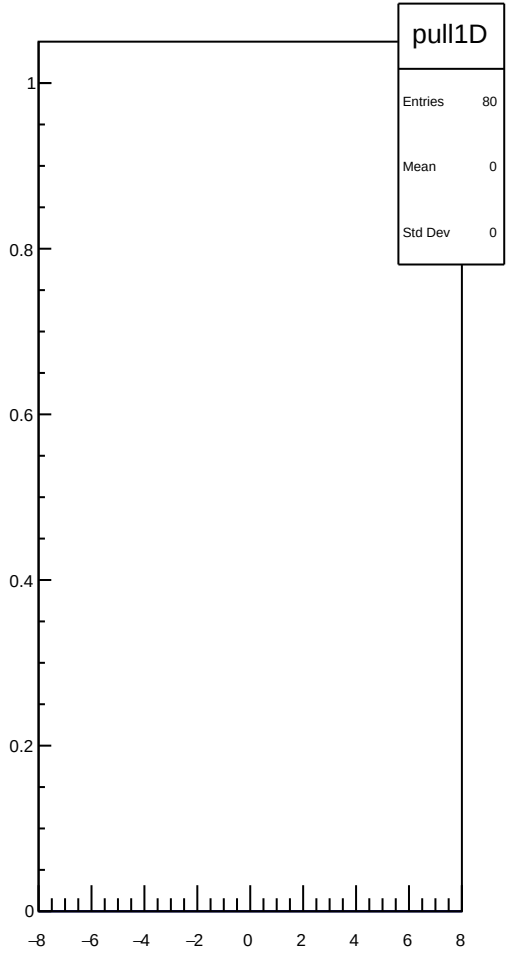

dit_atr2_coil3_mean vs run
χ² / ndf 1.349e+36 / 79
p0 −8224 ± 1.118e−16
−7950
−8000
−8050
−8100
−8150
−8200
−8250
−8300
−8350
−8400
pull
Entries 80
Mean −1.259e+08
Std Dev 1.259e+08
×10¹⁵
250
200
150
100
50
0
−50
−100
−150

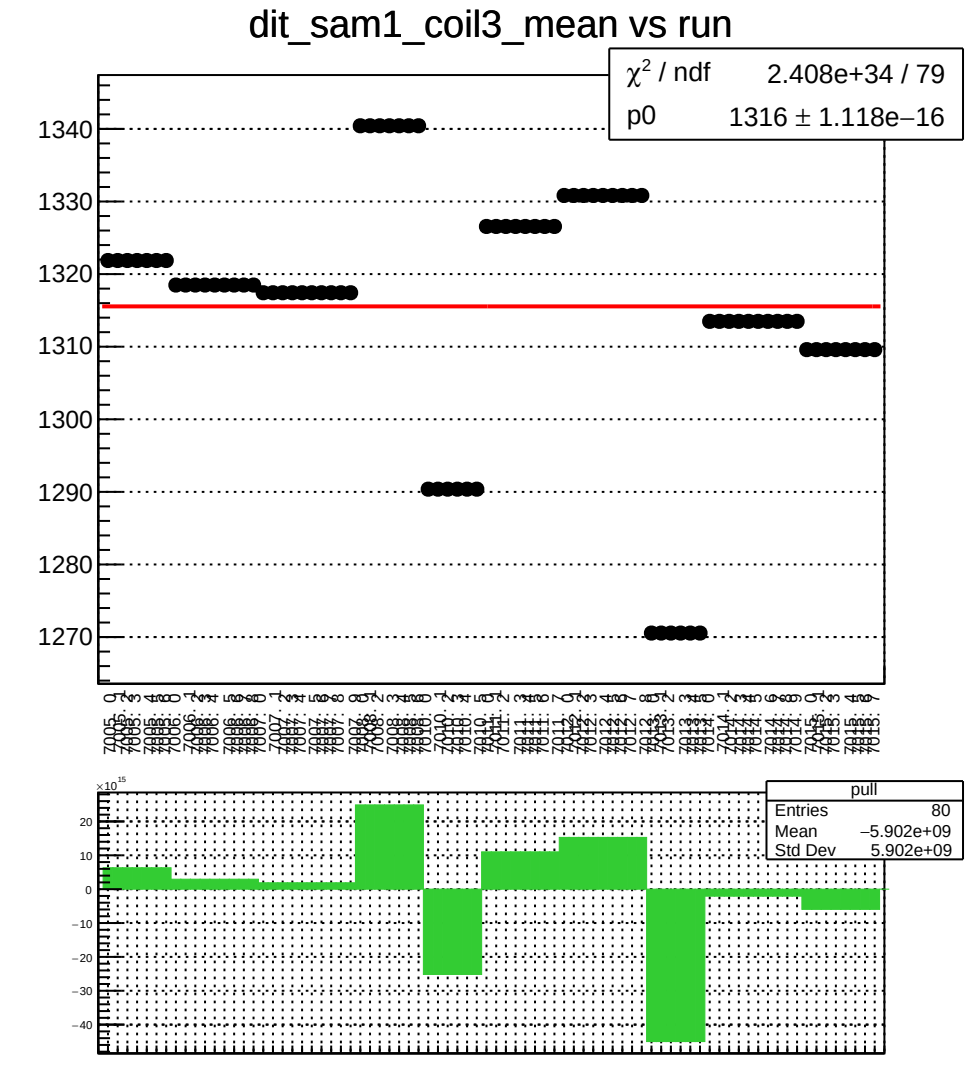

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

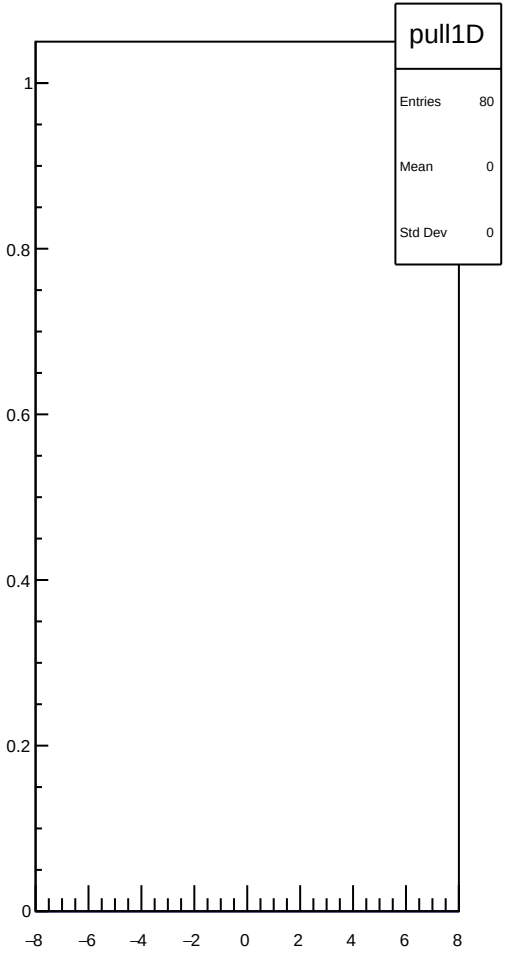

dit_atr2_coil3_err_mean vs run
χ² / ndf 4.879e+35 / 79
p0 553.4 ± 1.118e−16
pull
Entries 80
Mean 6.132e+08
Std Dev 6.132e+08

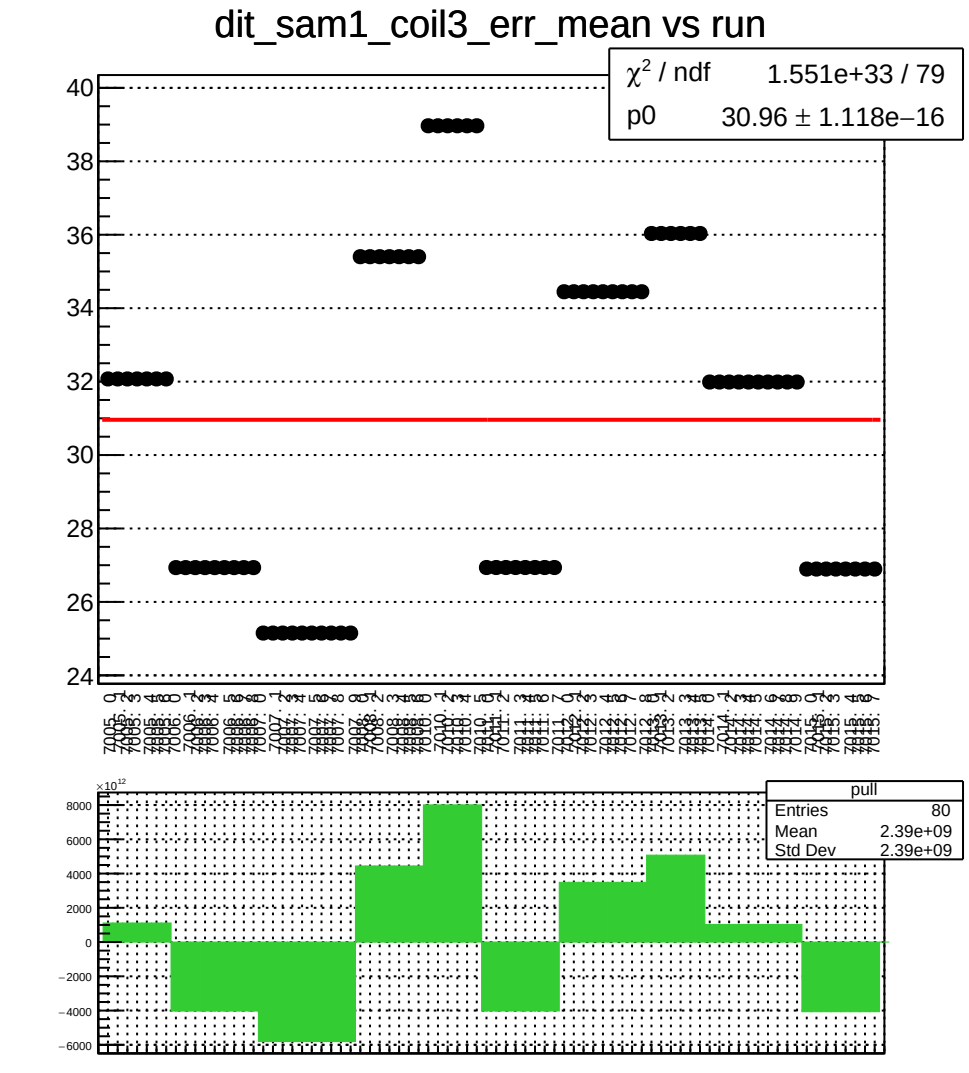

pull1D
Entries 80
Mean 0
Std Dev 0

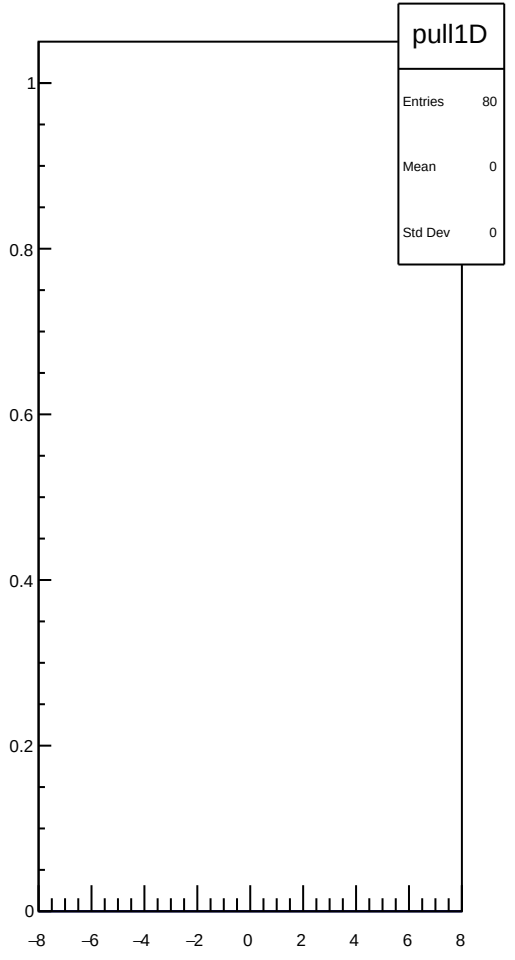

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

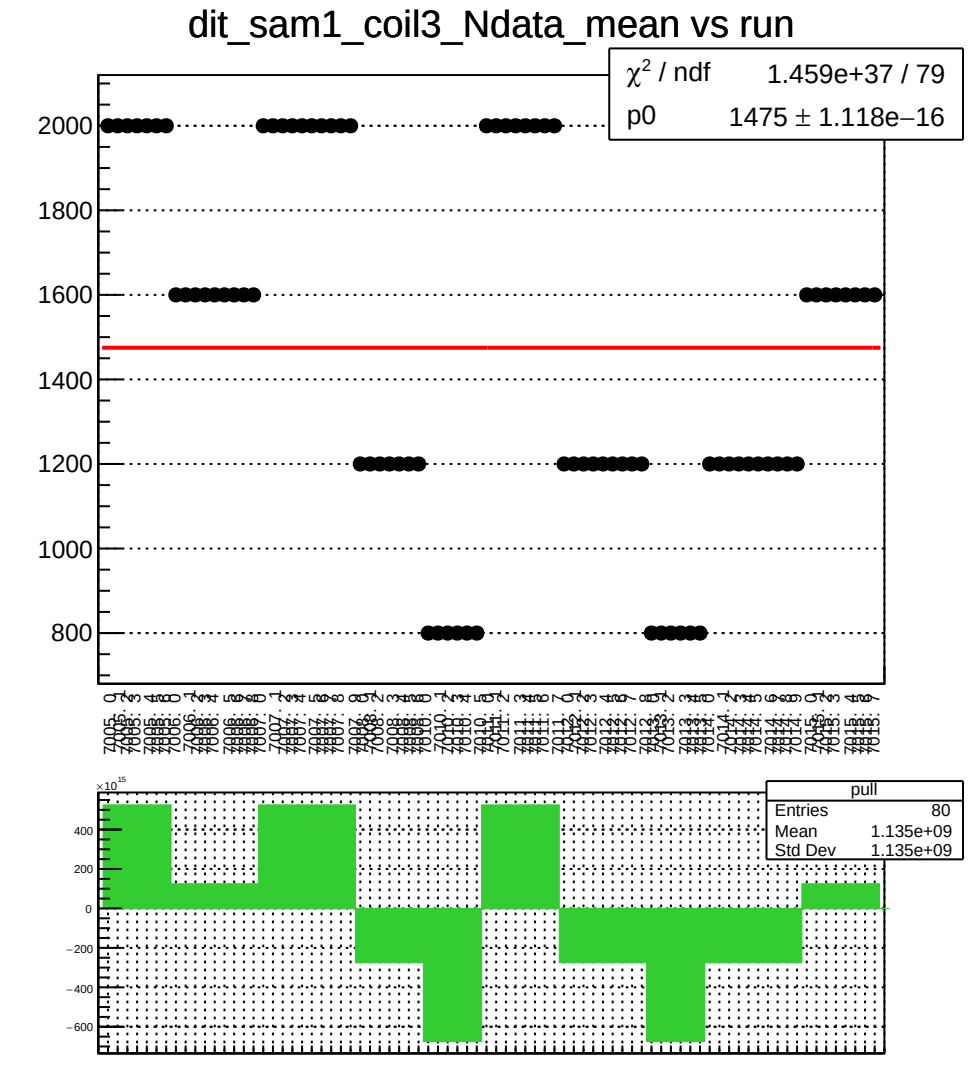

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

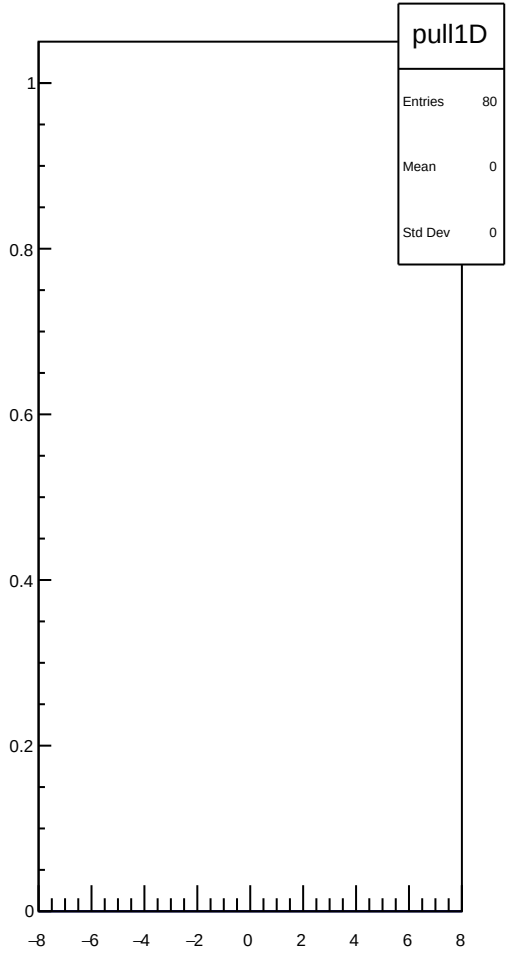

dit_sam1_coil3_mean vs run
χ² / ndf 2.408e+34 / 79
p0 1316 ± 1.118e−16
1340
1330
1320
1310
1300
1290
1280
1270
×10¹⁵
20
10
0
−10
−20
−30
−40
pull
Entries 80
Mean −5.902e+09
Std Dev 5.902e+09

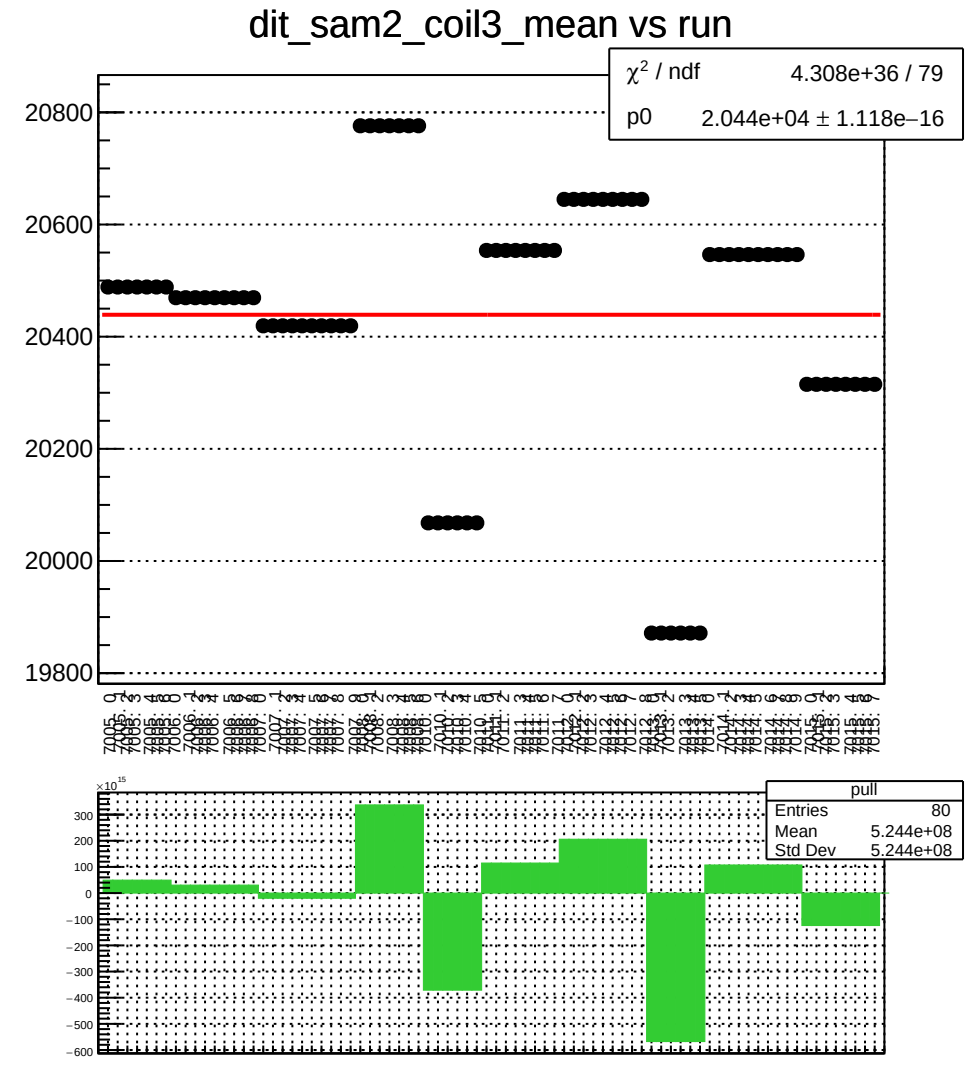

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

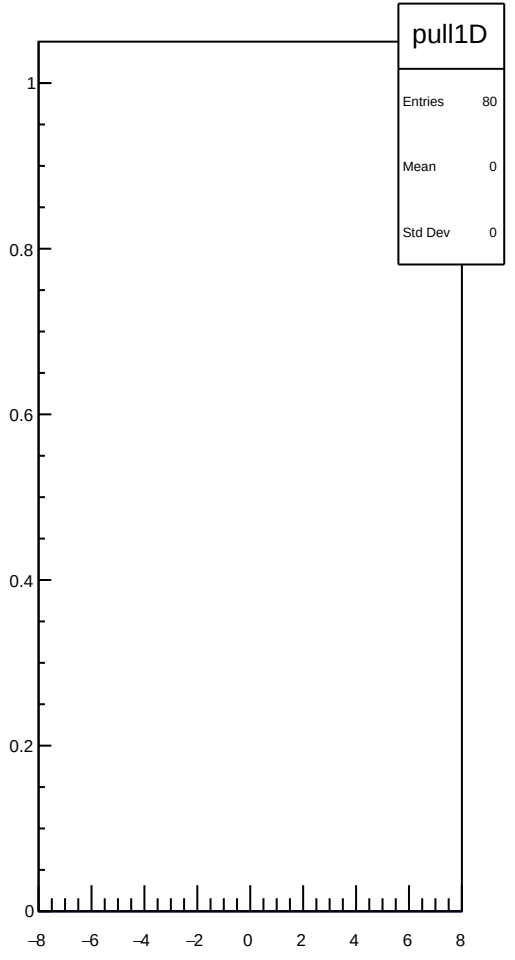

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.551e+33 / 79
p0 30.96 ± 1.118e−16
pull
Entries 80
Mean 2.39e+09
Std Dev 2.39e+09
×10¹²

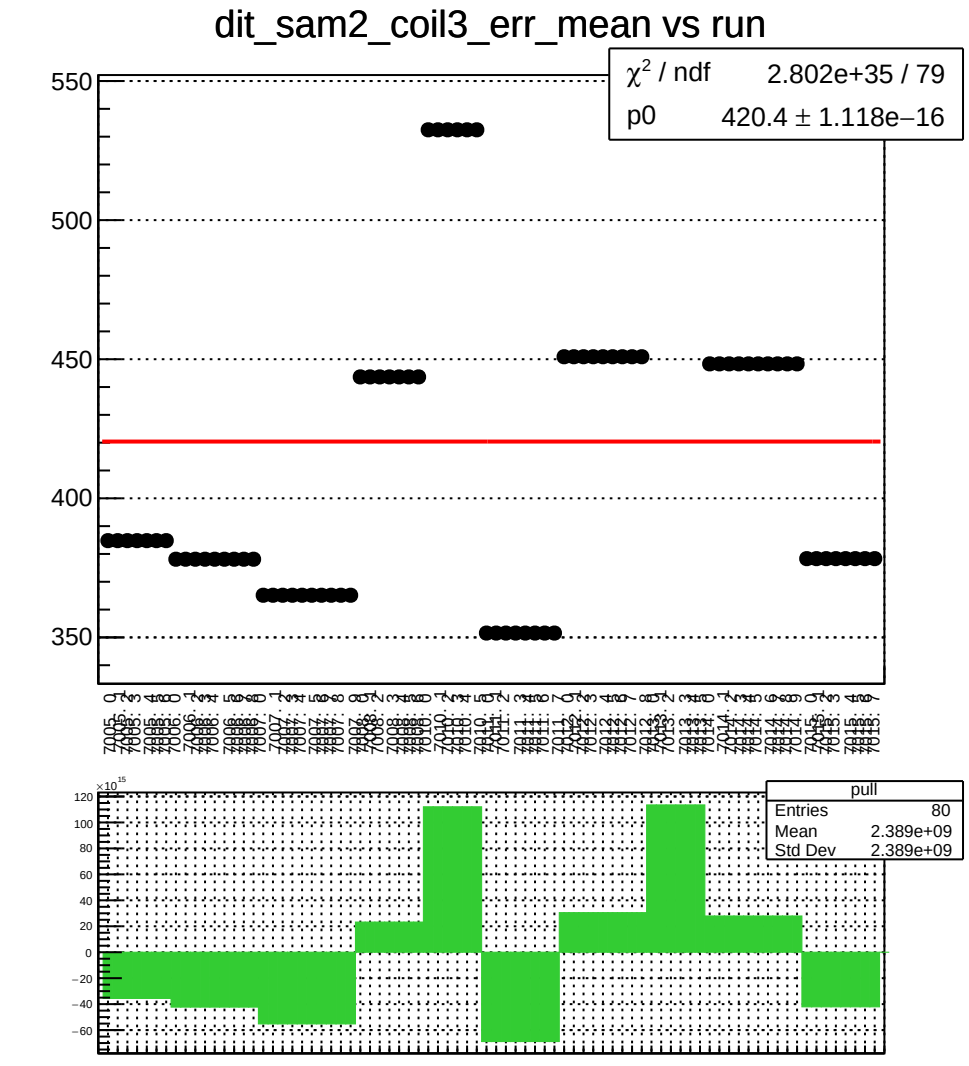

pull1D
Entries 80
Mean 0
Std Dev 0

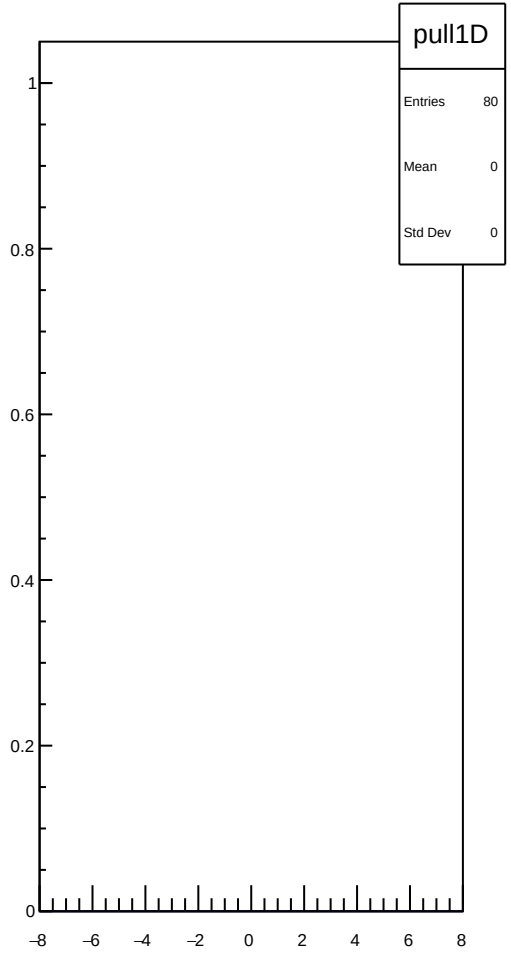

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

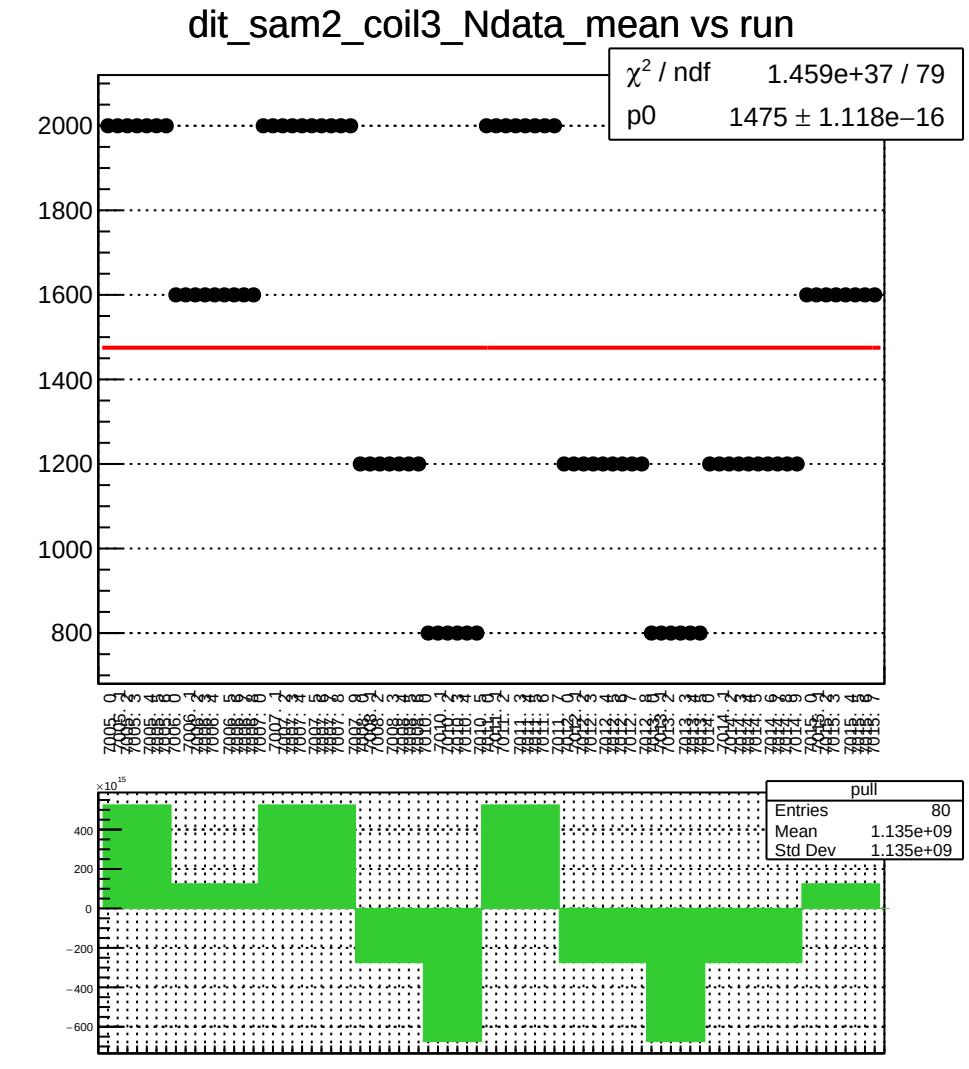

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

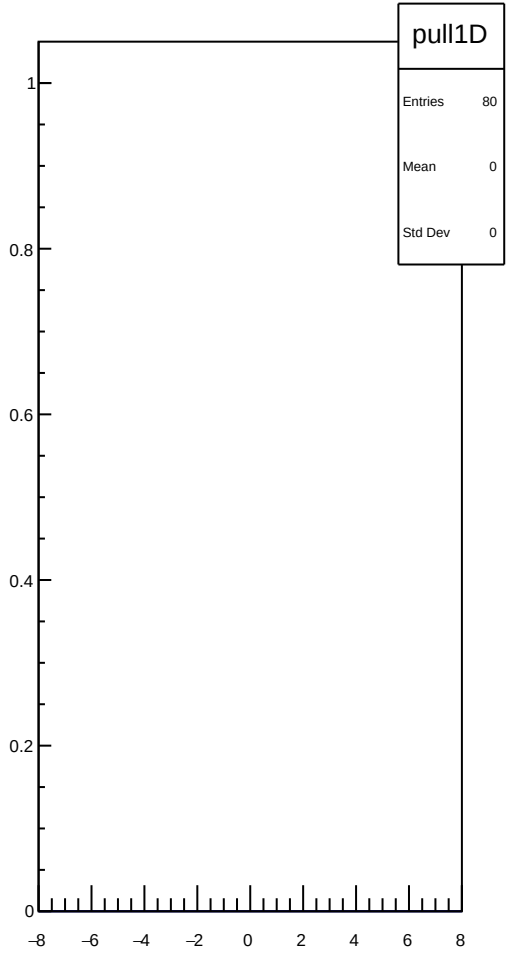

dit_sam2_coil3_mean vs run
χ² / ndf 4.308e+36 / 79
p0 2.044e+04 ± 1.118e−16
20800
20600
20400
20200
20000
19800
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
−600
pull
Entries 80
Mean 5.244e+08
Std Dev 5.244e+08

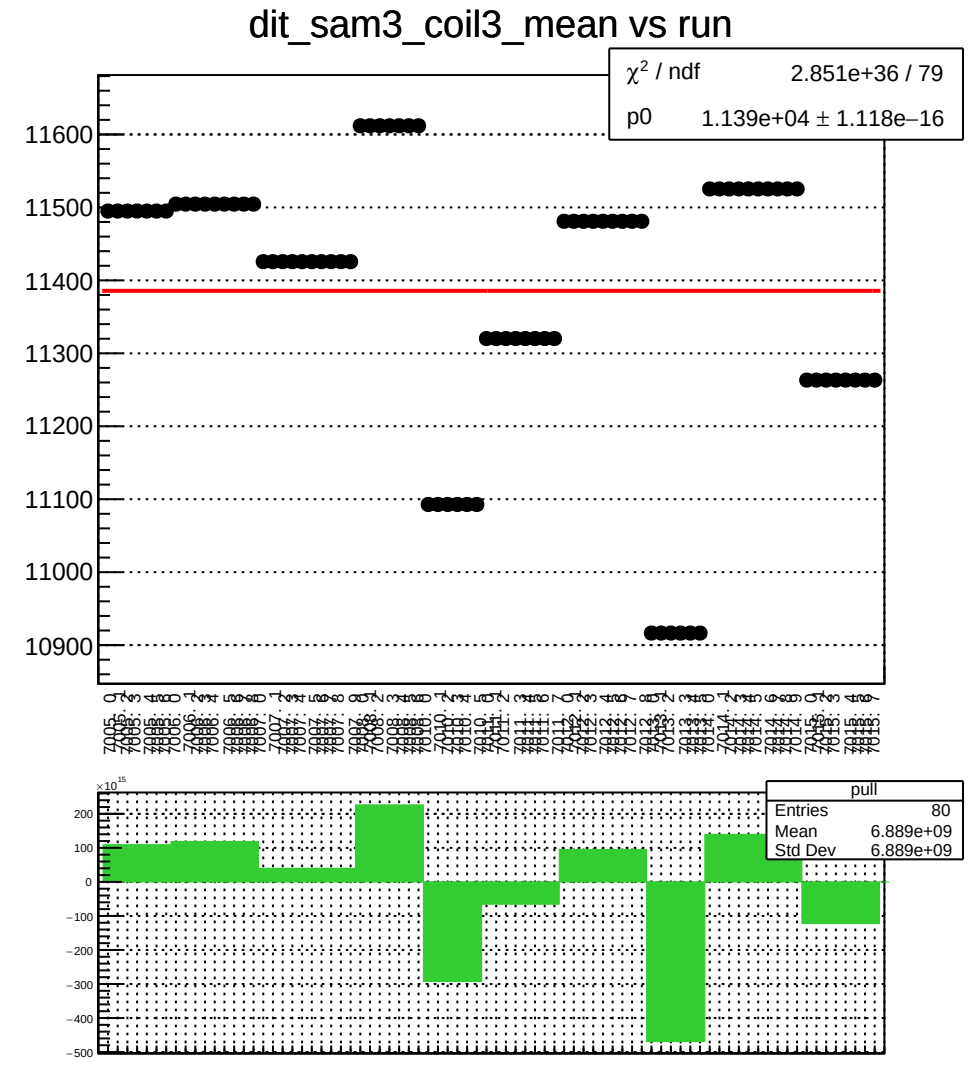

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

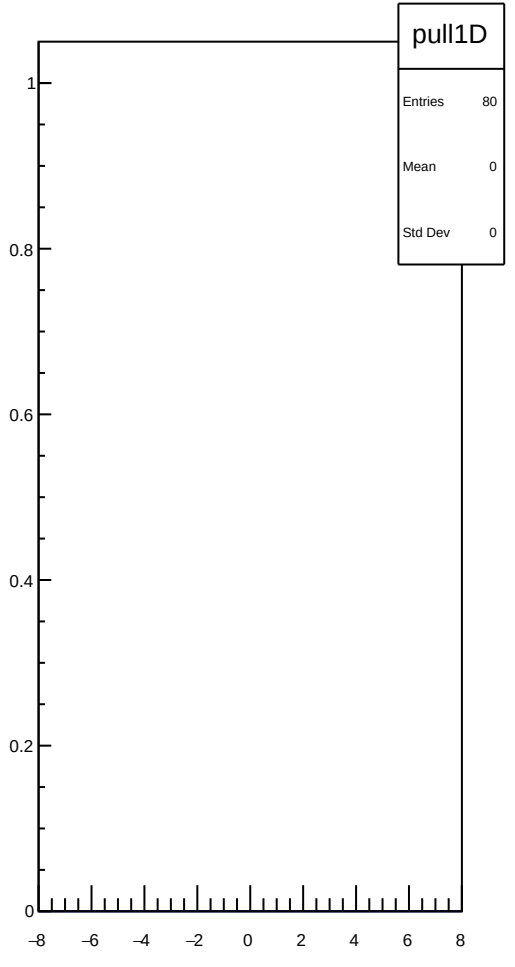

dit_sam2_coil3_err_mean vs run
χ² / ndf 2.802e+35 / 79
p0 420.4 ± 1.118e−16
550
500
450
400
350
pull
Entries 80
Mean 2.389e+09
Std Dev 2.389e+09
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60

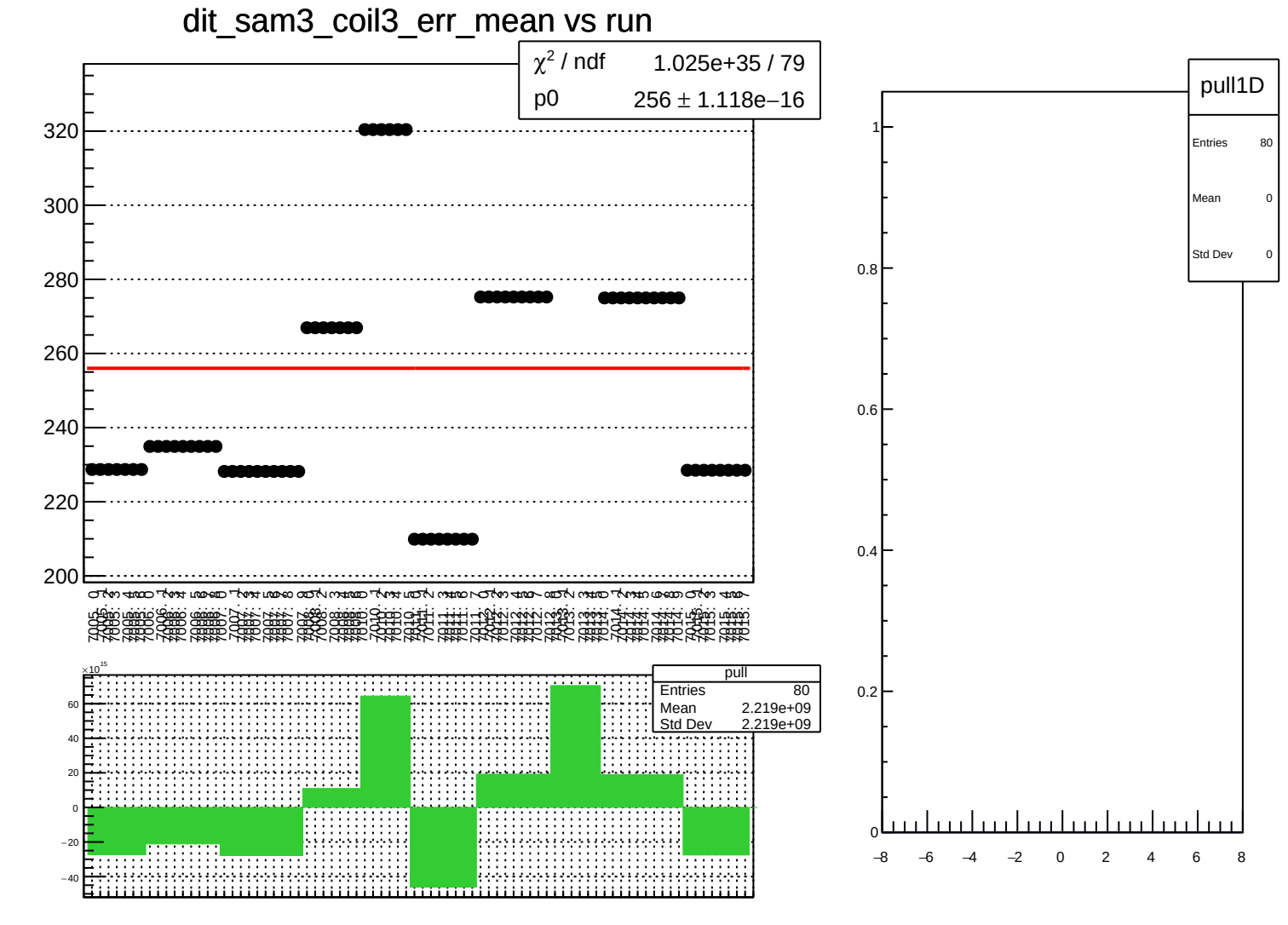

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

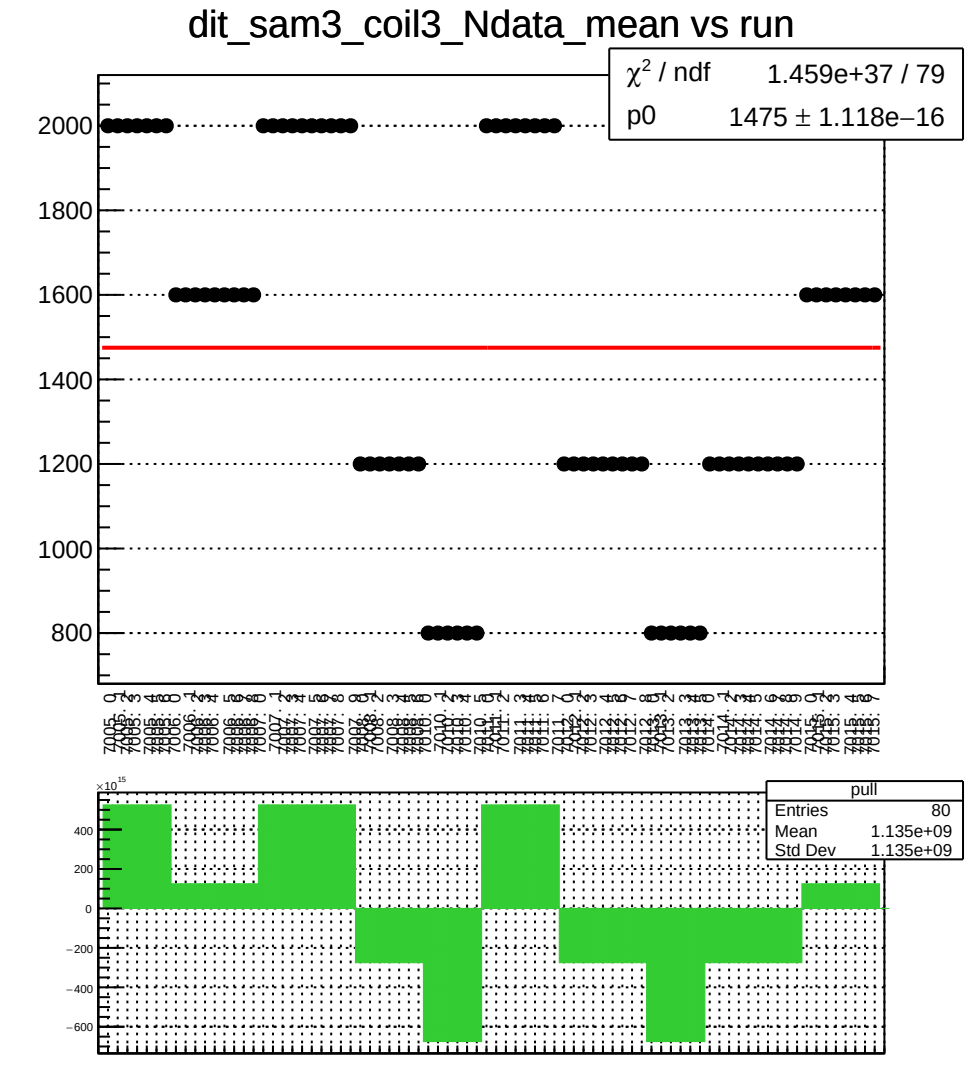

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

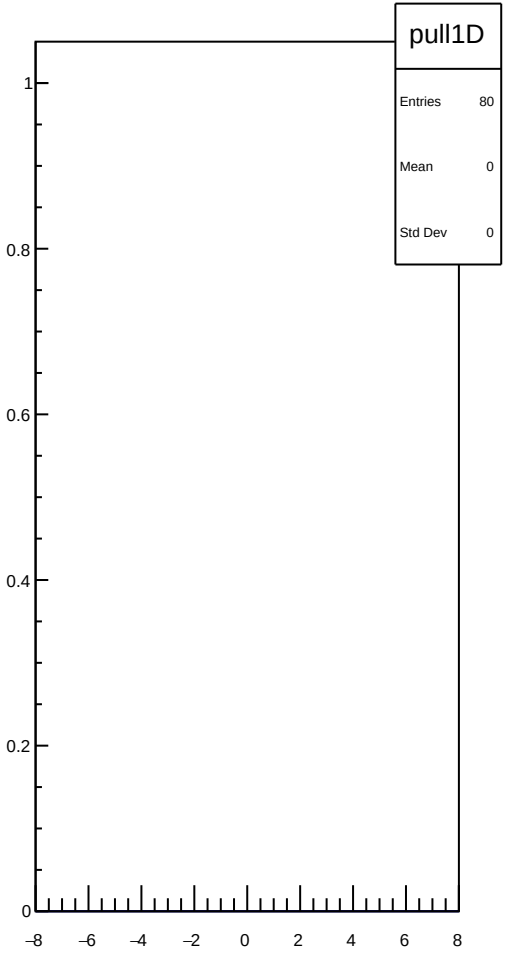

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

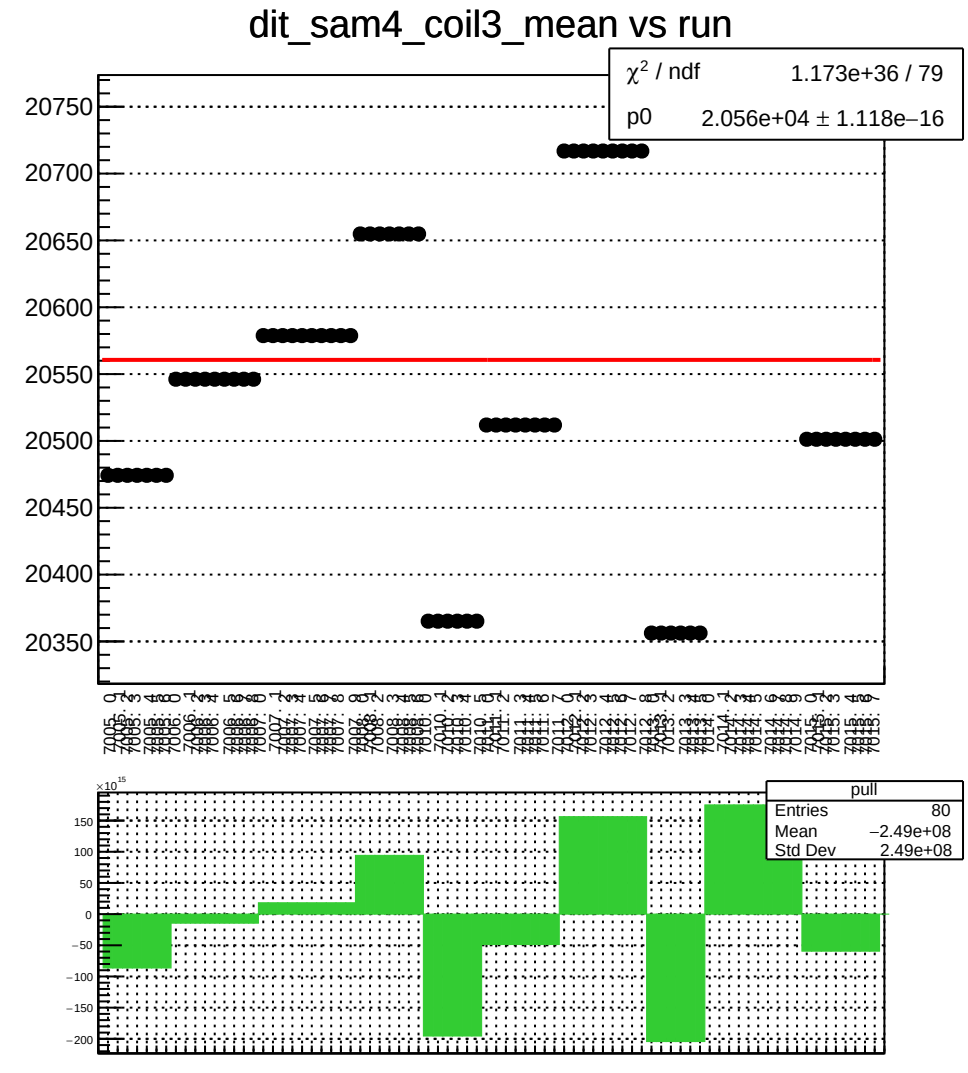

dit_sam3_coil3_mean vs run
χ² / ndf 2.851e+36 / 79
p0 1.139e+04 ± 1.118e−16
11600
11500
11400
11300
11200
11100
11000
10900
pull
Entries 80
Mean 6.889e+09
Std Dev 6.889e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500

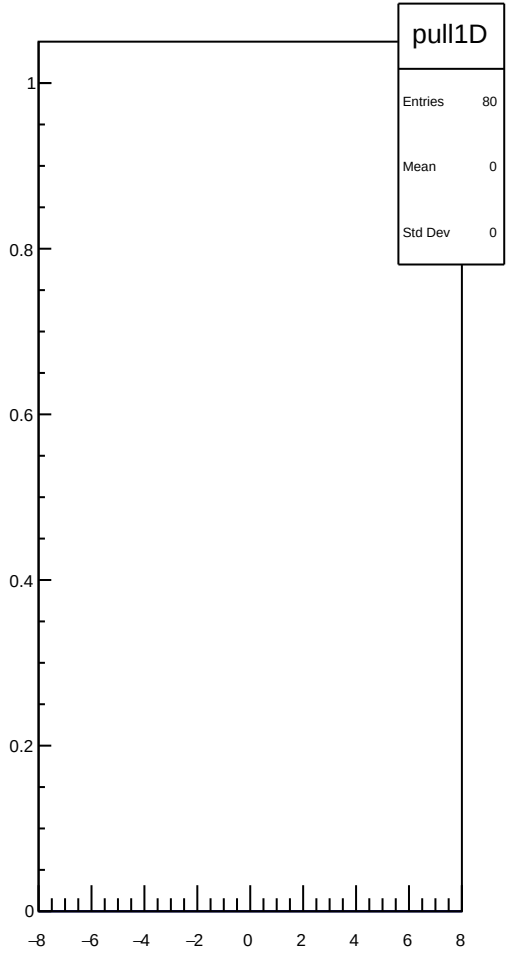

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

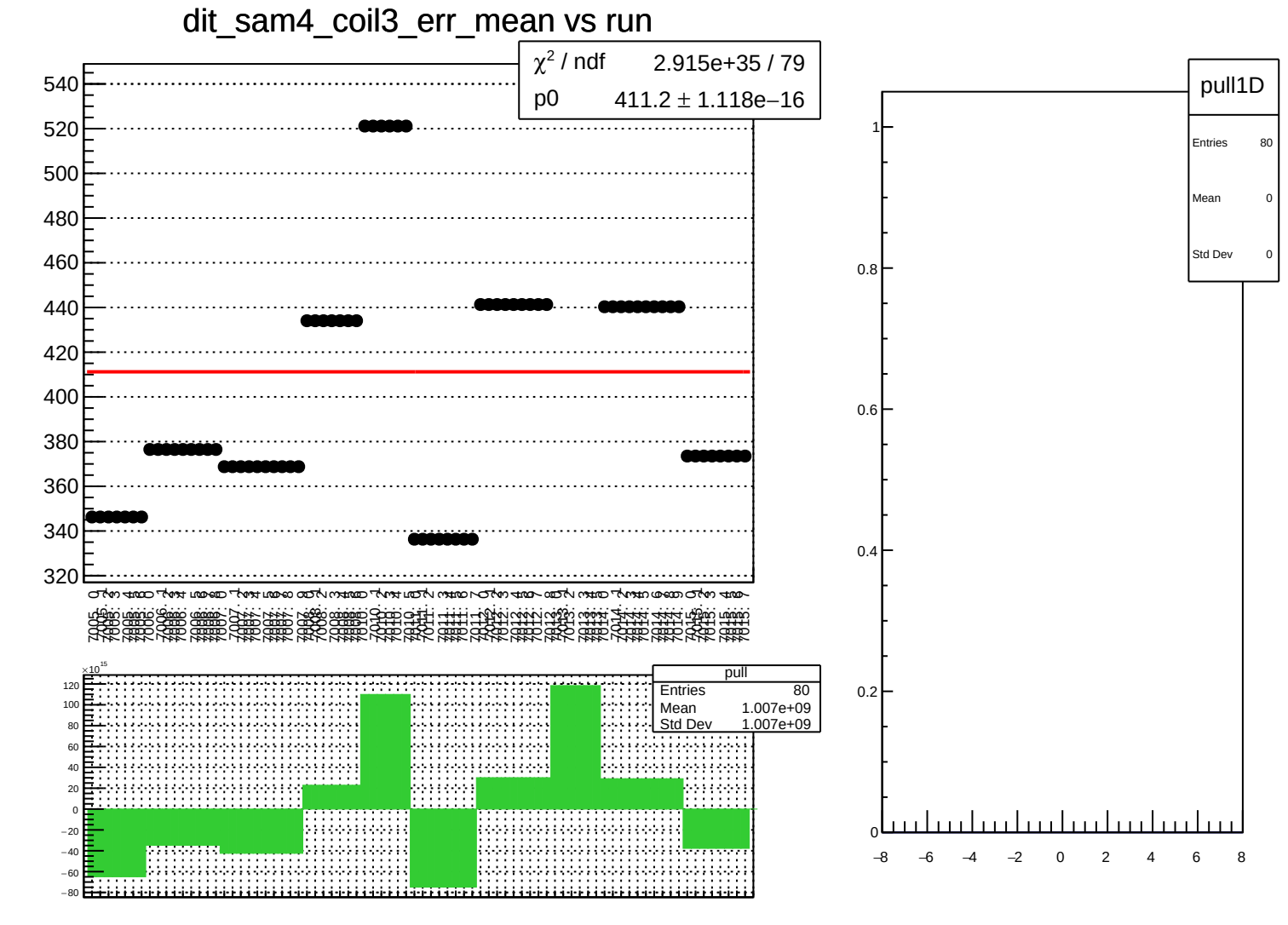

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.025e+35 / 79
p0 256 ± 1.118e−16
320
300
280
260
240
220
200
pull
Entries 80
Mean 2.219e+09
Std Dev 2.219e+09
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

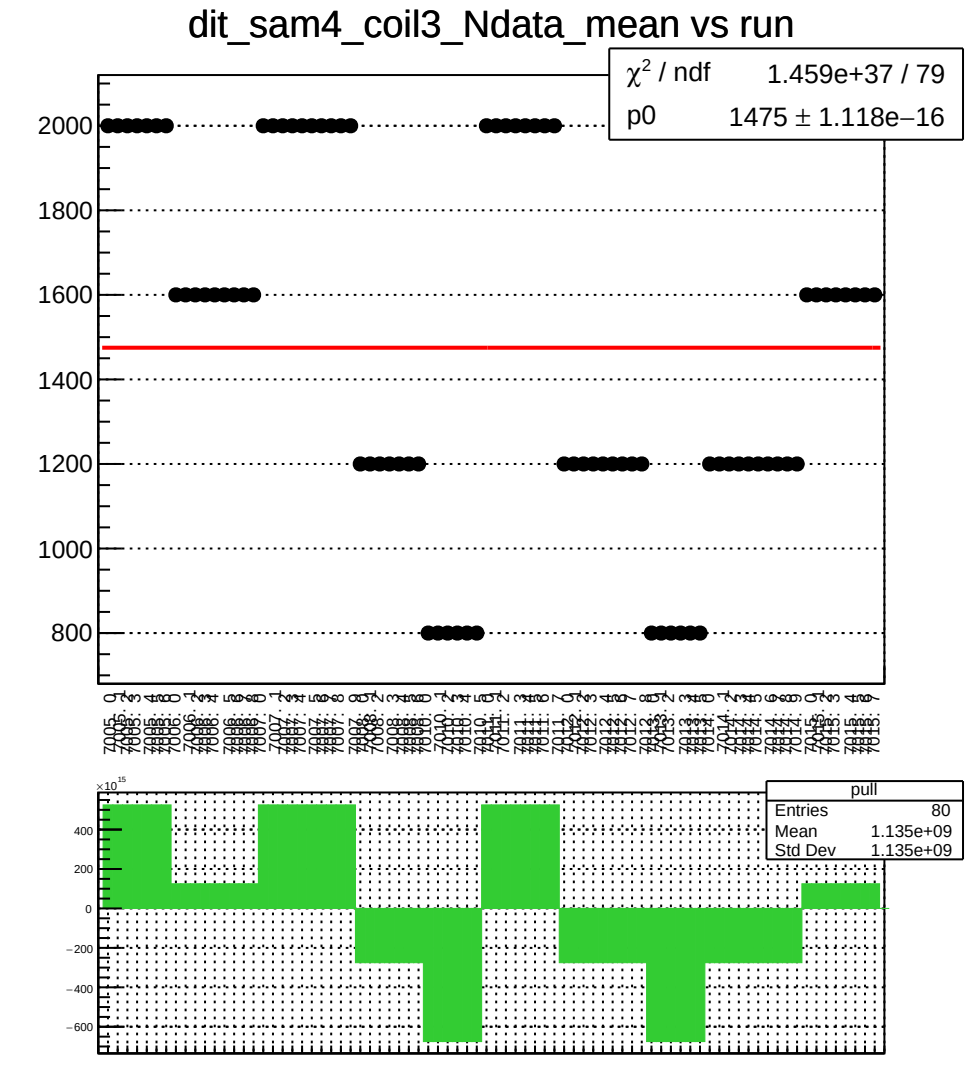

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

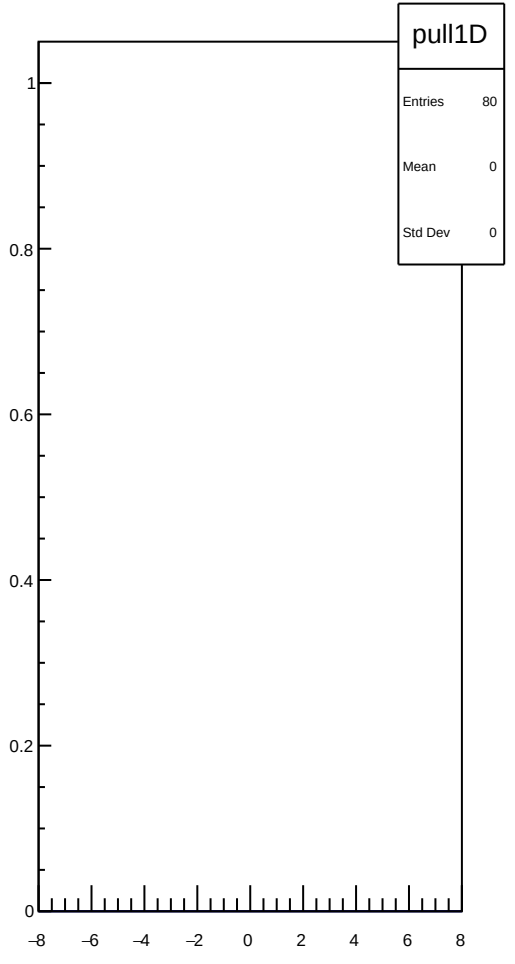

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

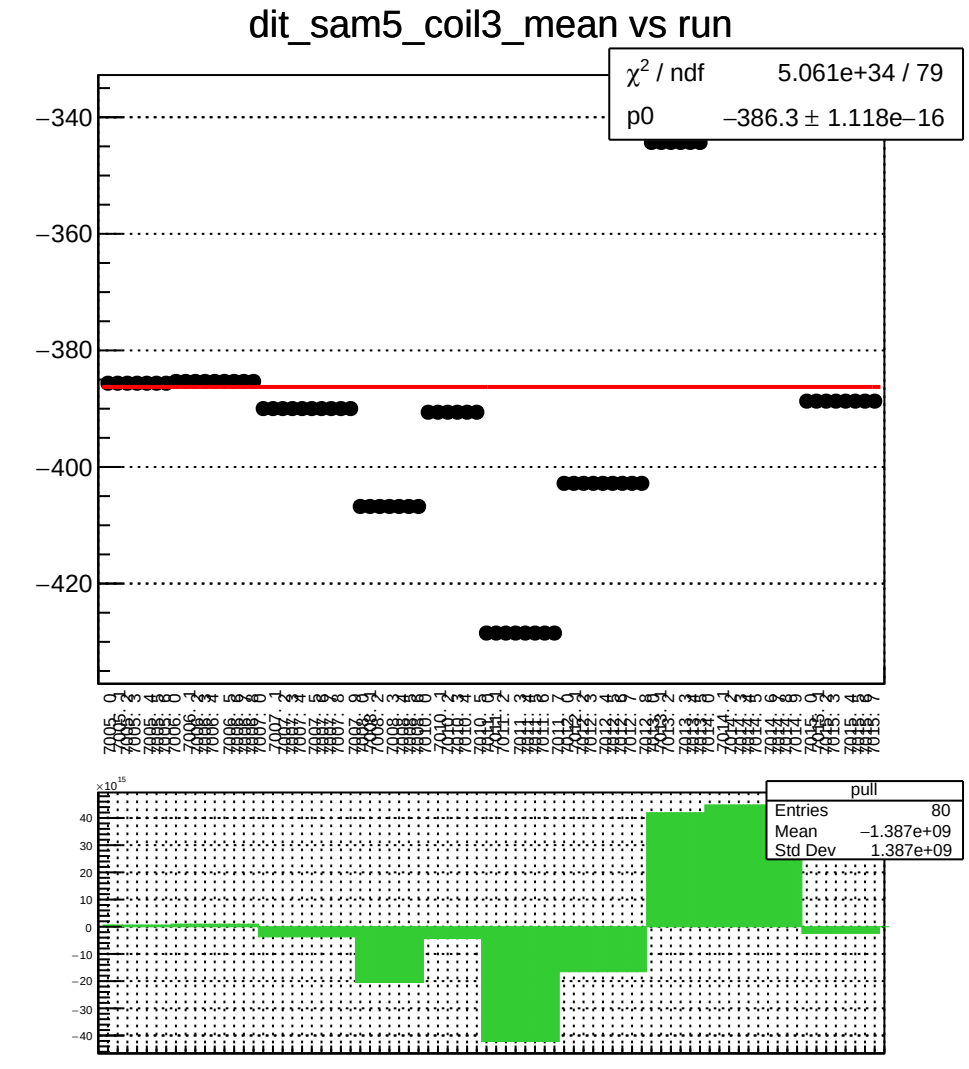

dit_sam4_coil3_mean vs run
χ² / ndf 1.173e+36 / 79
p0 2.056e+04 ± 1.118e−16
20750
20700
20650
20600
20550
20500
20450
20400
20350
×10¹⁵
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −2.49e+08
Std Dev 2.49e+08

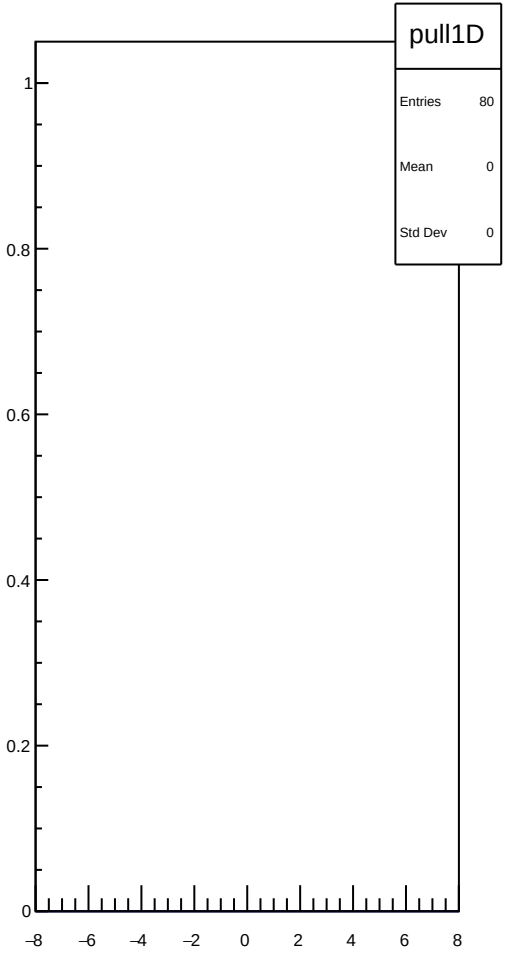

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

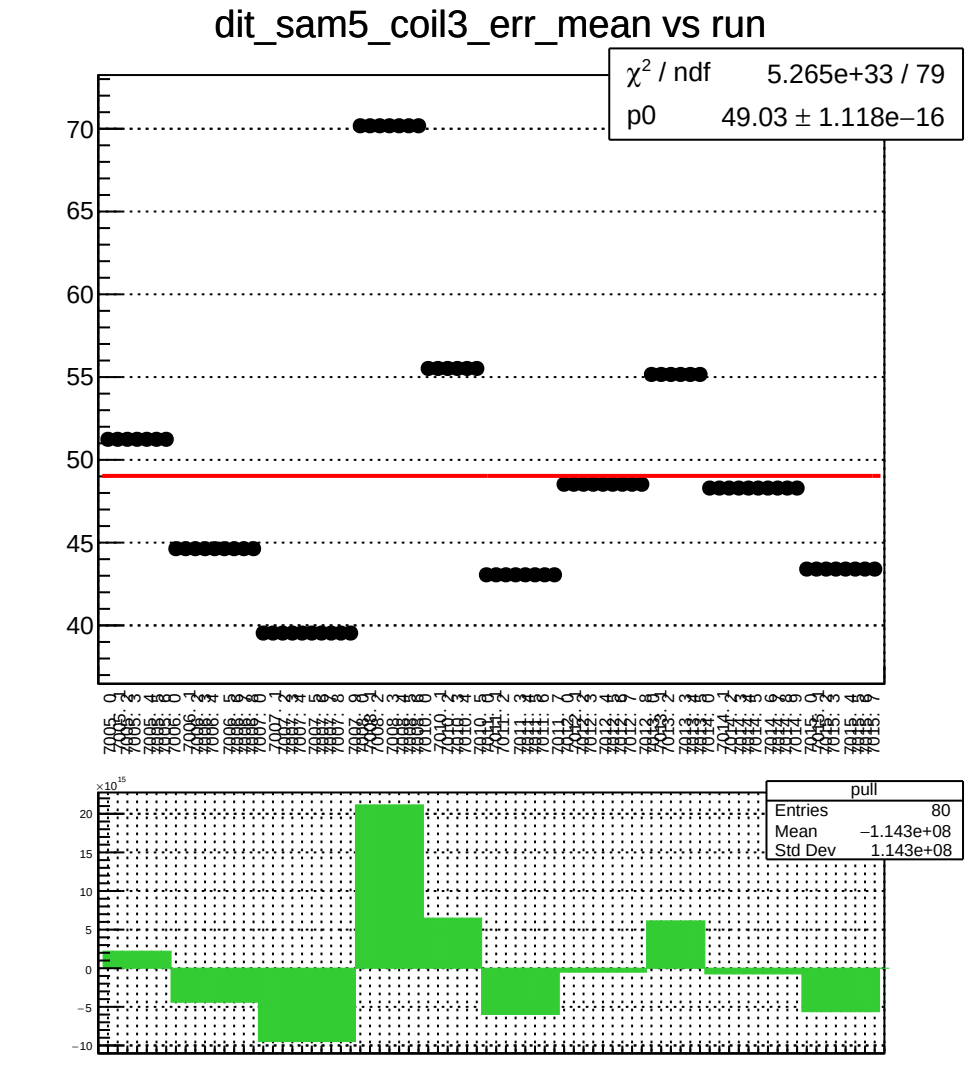

dit_sam4_coil3_err_mean vs run
χ² / ndf 2.915e+35 / 79
p0 411.2 ± 1.118e−16
pull
Entries 80
Mean 1.007e+09
Std Dev 1.007e+09
pull1D
Entries 80
Mean 0
Std Dev 0

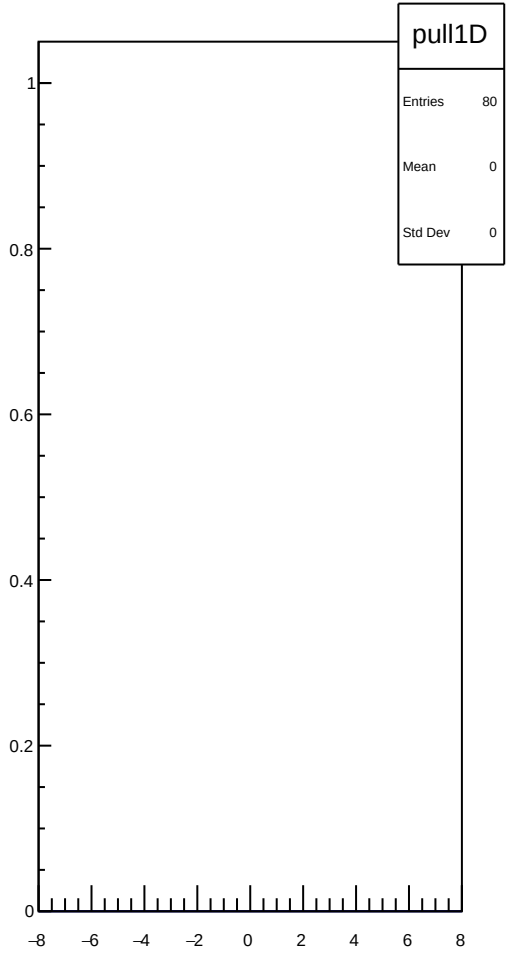

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

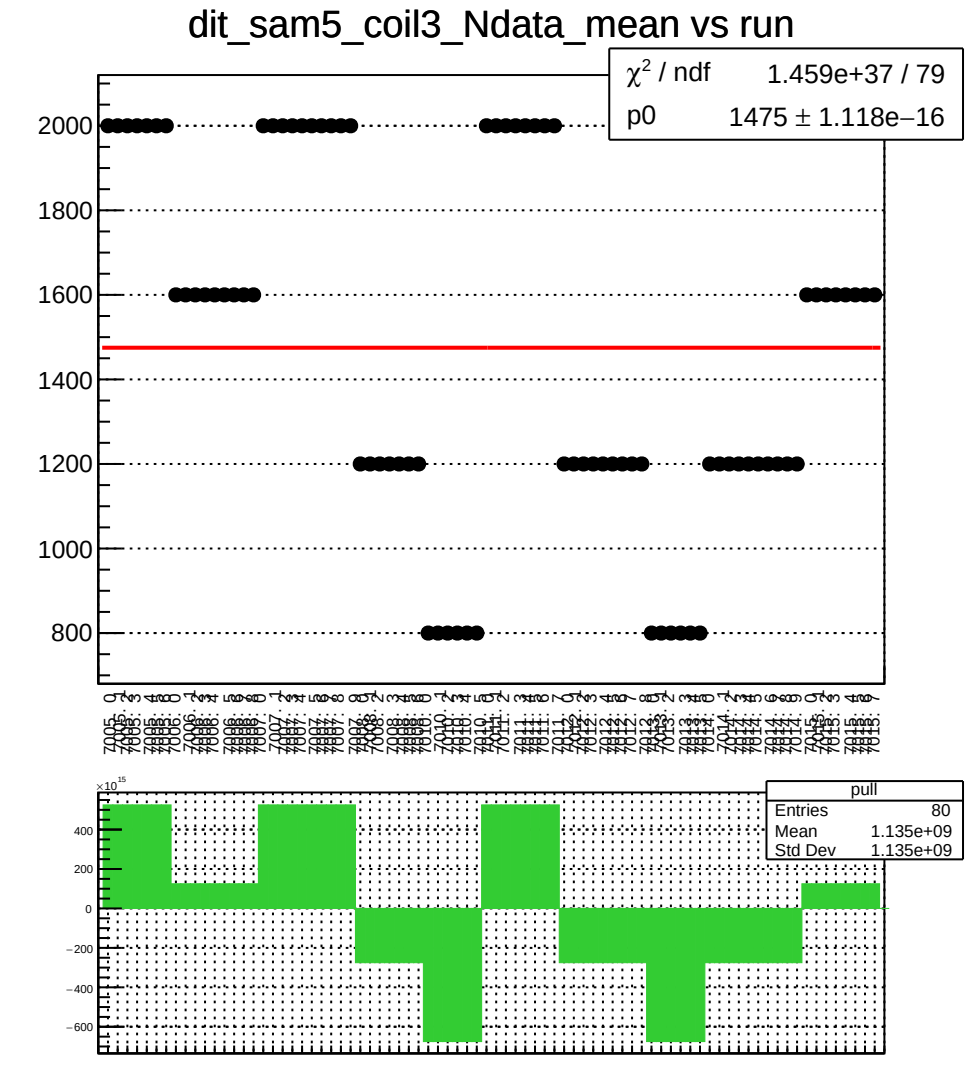

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

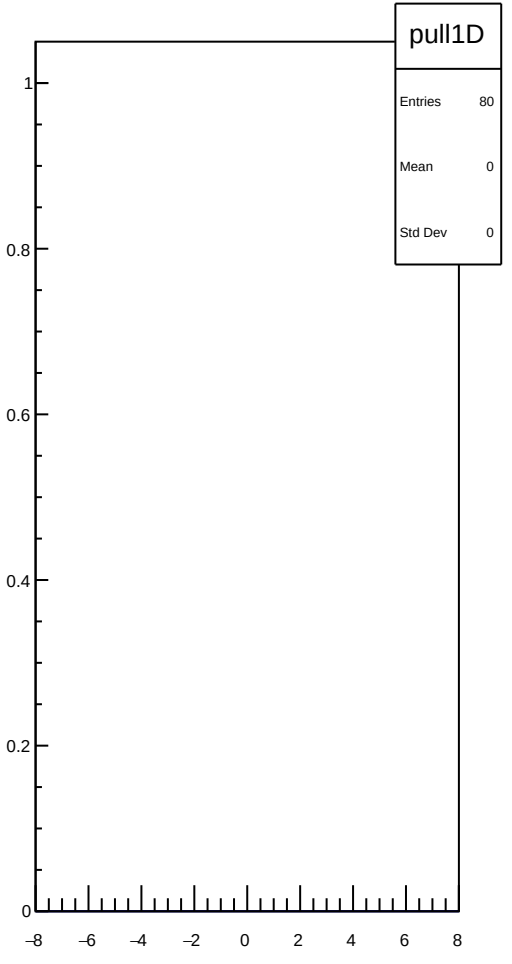

dit_sam5_coil3_mean vs run
χ² / ndf 5.061e+34 / 79
p0 −386.3 ± 1.118e−16
−340
−360
−380
−400
−420
pull
Entries 80
Mean −1.387e+09
Std Dev 1.387e+09
×10¹⁵
40
30
20
10
0
−10
−20
−30
−40

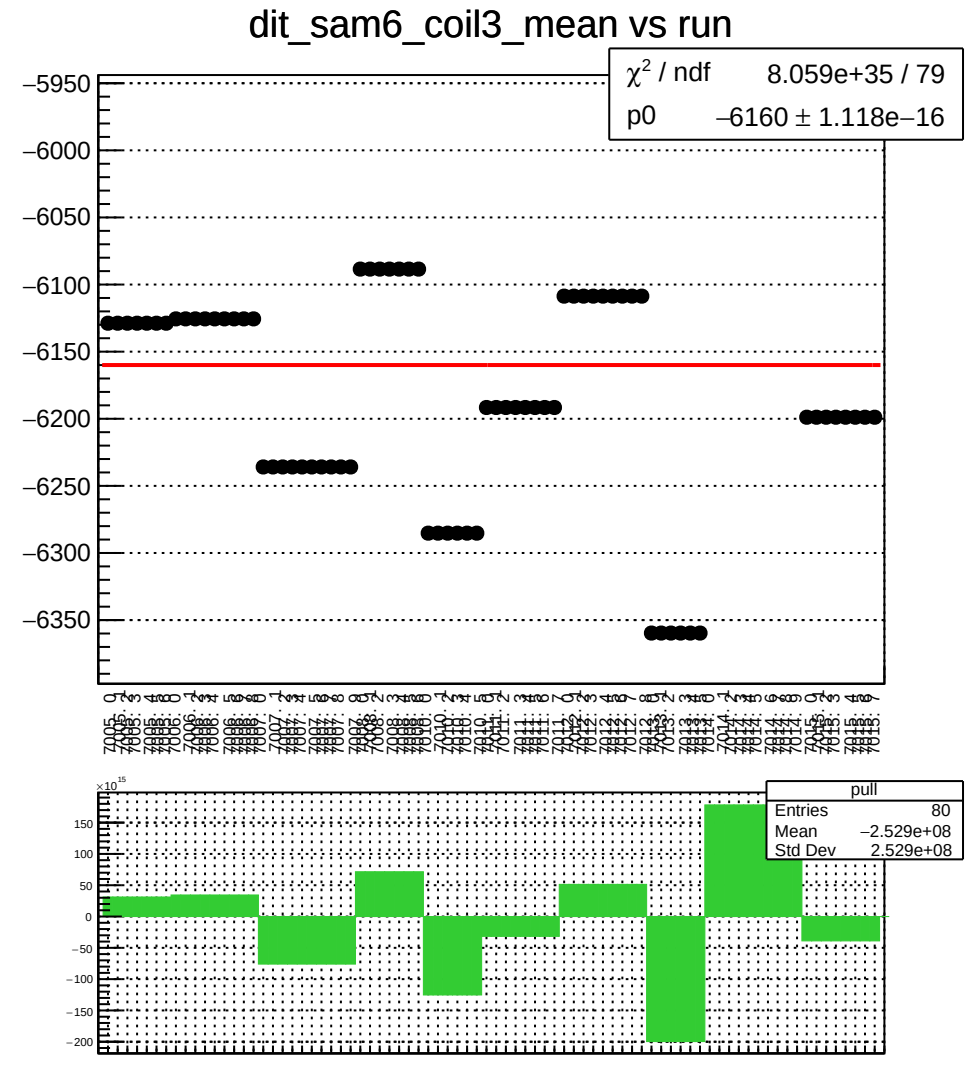

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

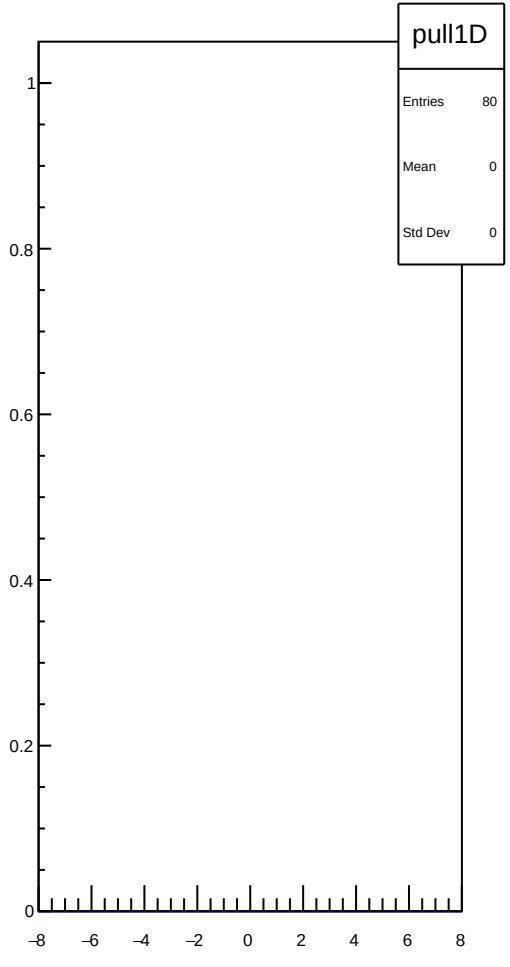

dit_sam5_coil3_err_mean vs run
χ² / ndf 5.265e+33 / 79
p0 49.03 ± 1.118e−16
pull
Entries 80
Mean −1.143e+08
Std Dev 1.143e+08

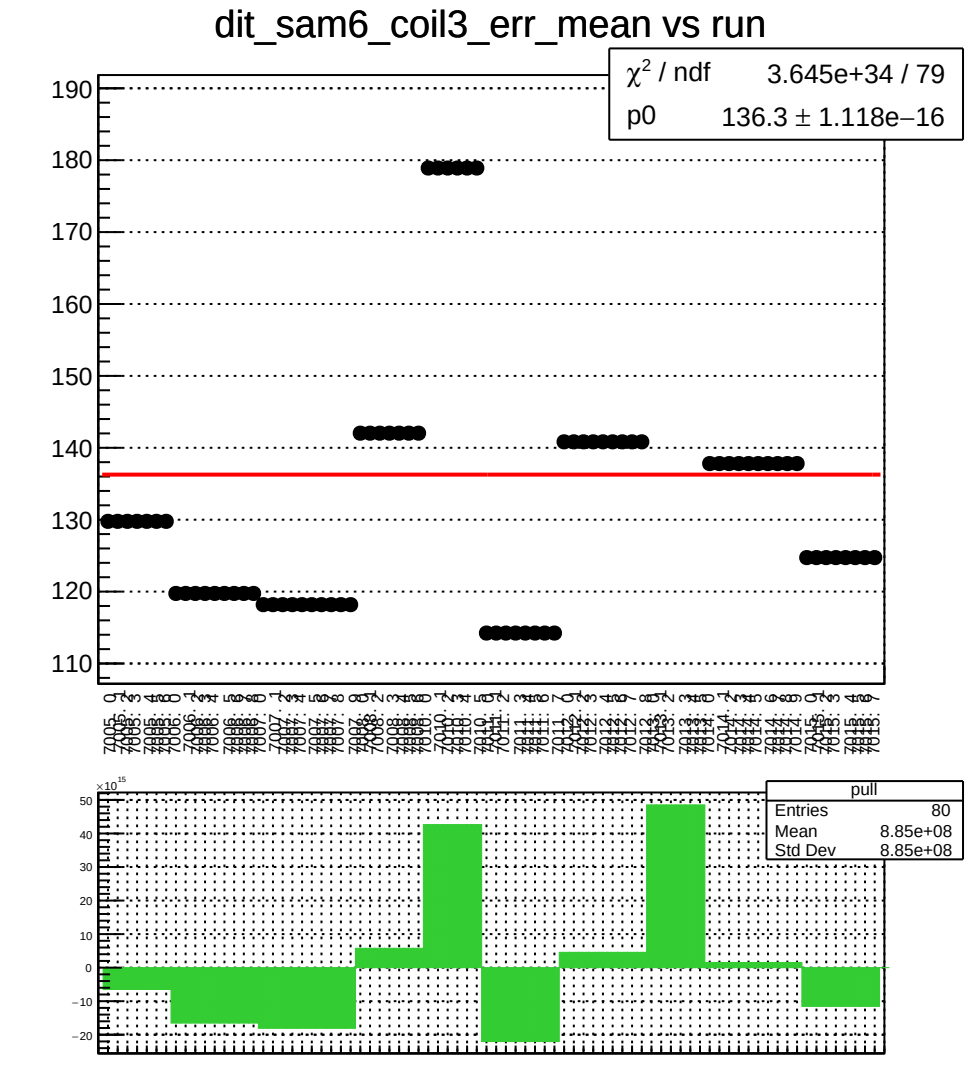

pull1D
Entries 80
Mean 0
Std Dev 0

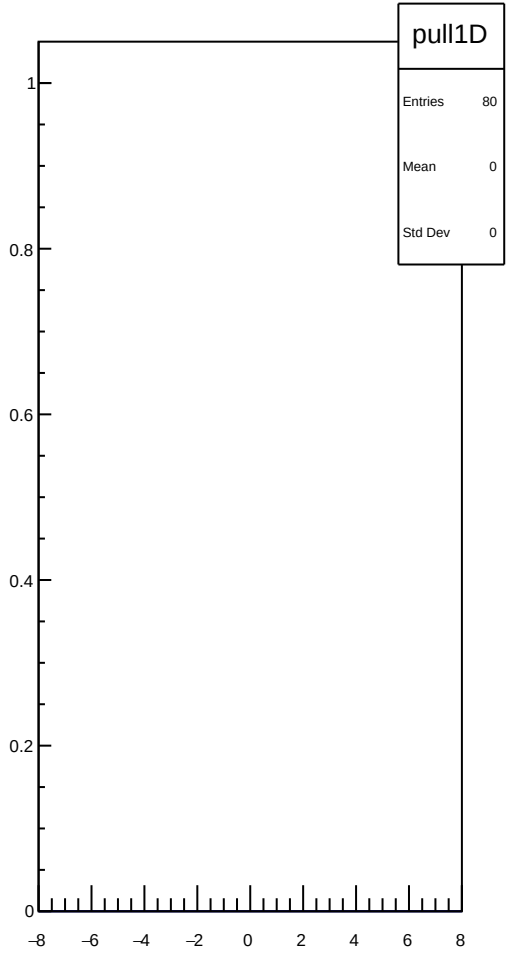

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

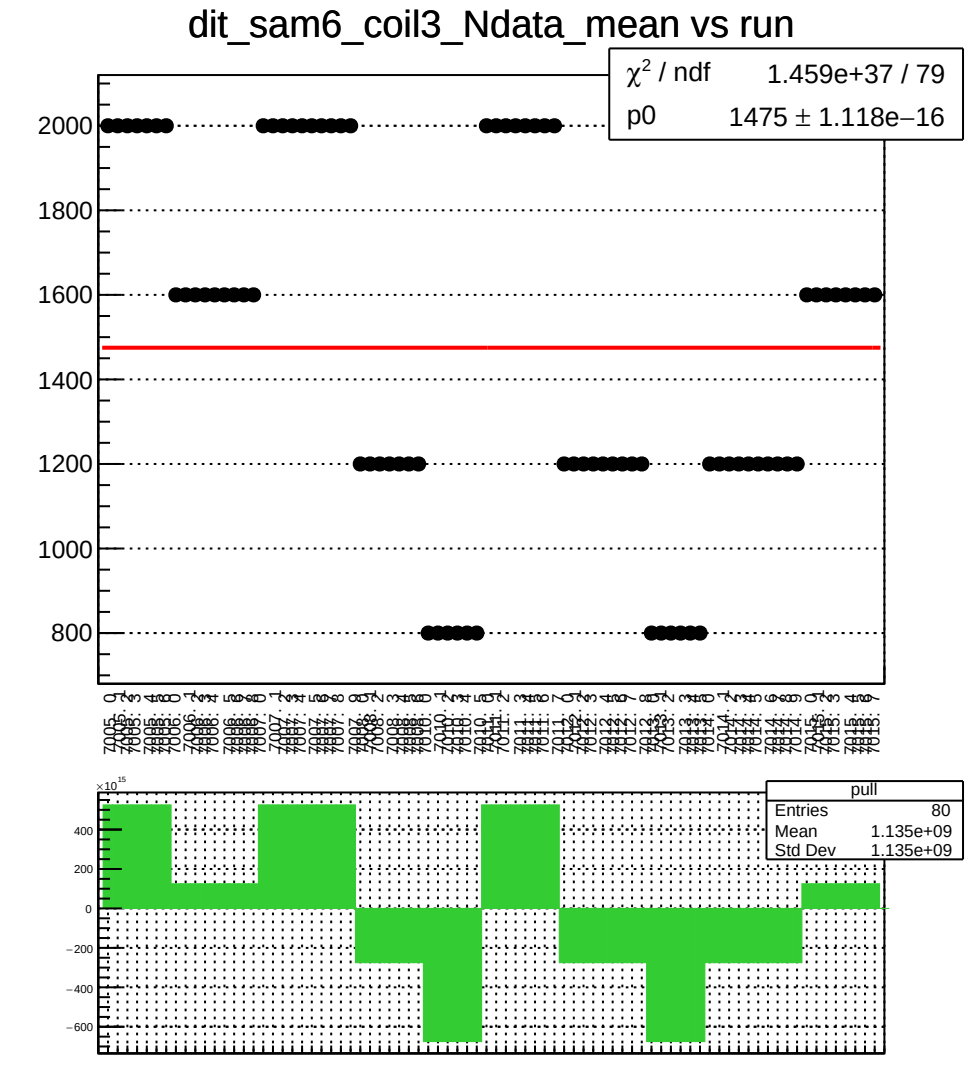

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

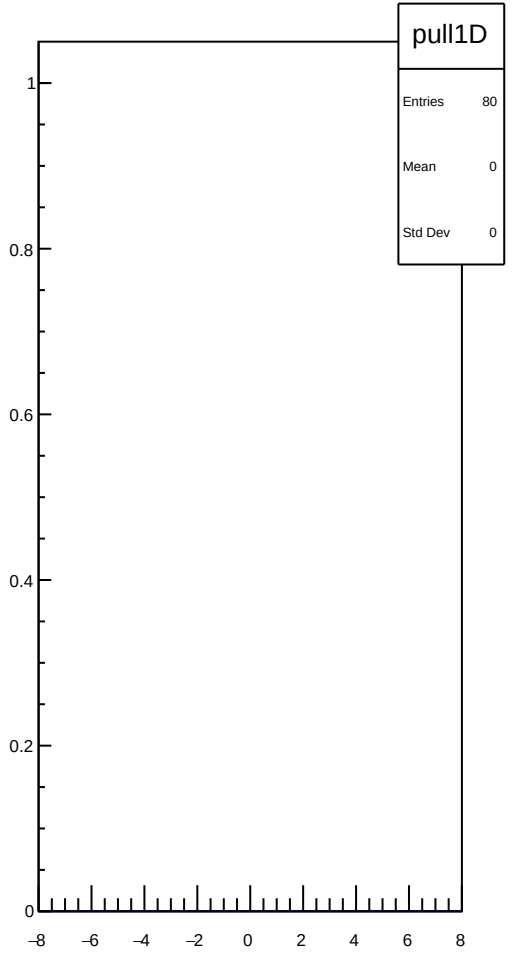

dit_sam6_coil3_mean vs run
χ² / ndf 8.059e+35 / 79
p0 −6160 ± 1.118e−16
−5950
−6000
−6050
−6100
−6150
−6200
−6250
−6300
−6350
pull
Entries 80
Mean −2.529e+08
Std Dev 2.529e+08
×10¹⁵
150
100
50
0
−50
−100
−150
−200

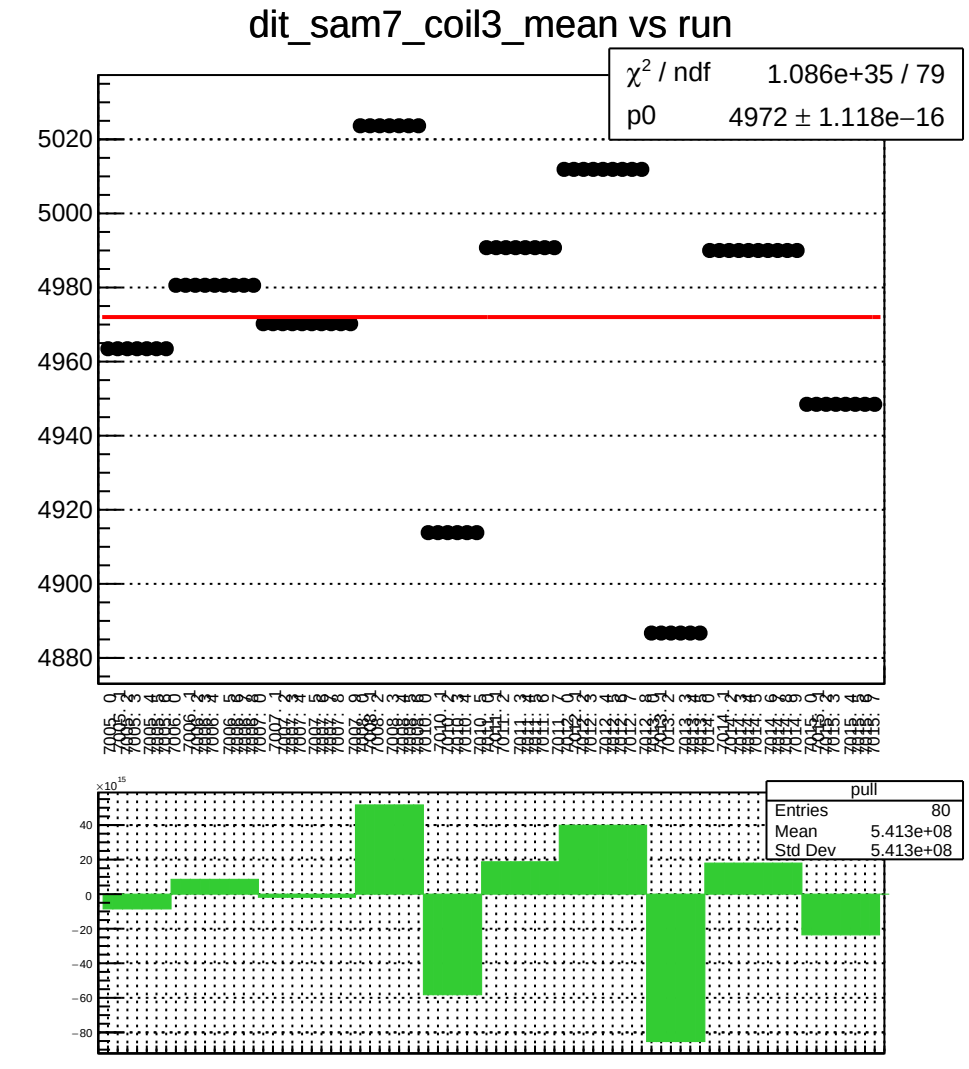

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

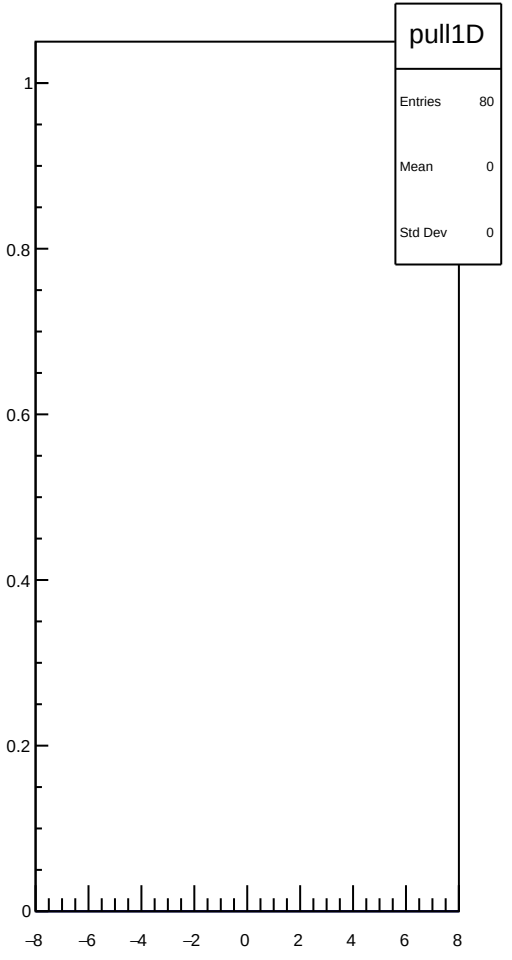

dit_sam6_coil3_err_mean vs run
χ² / ndf 3.645e+34 / 79
p0 136.3 ± 1.118e−16
pull
Entries 80
Mean 8.85e+08
Std Dev 8.85e+08

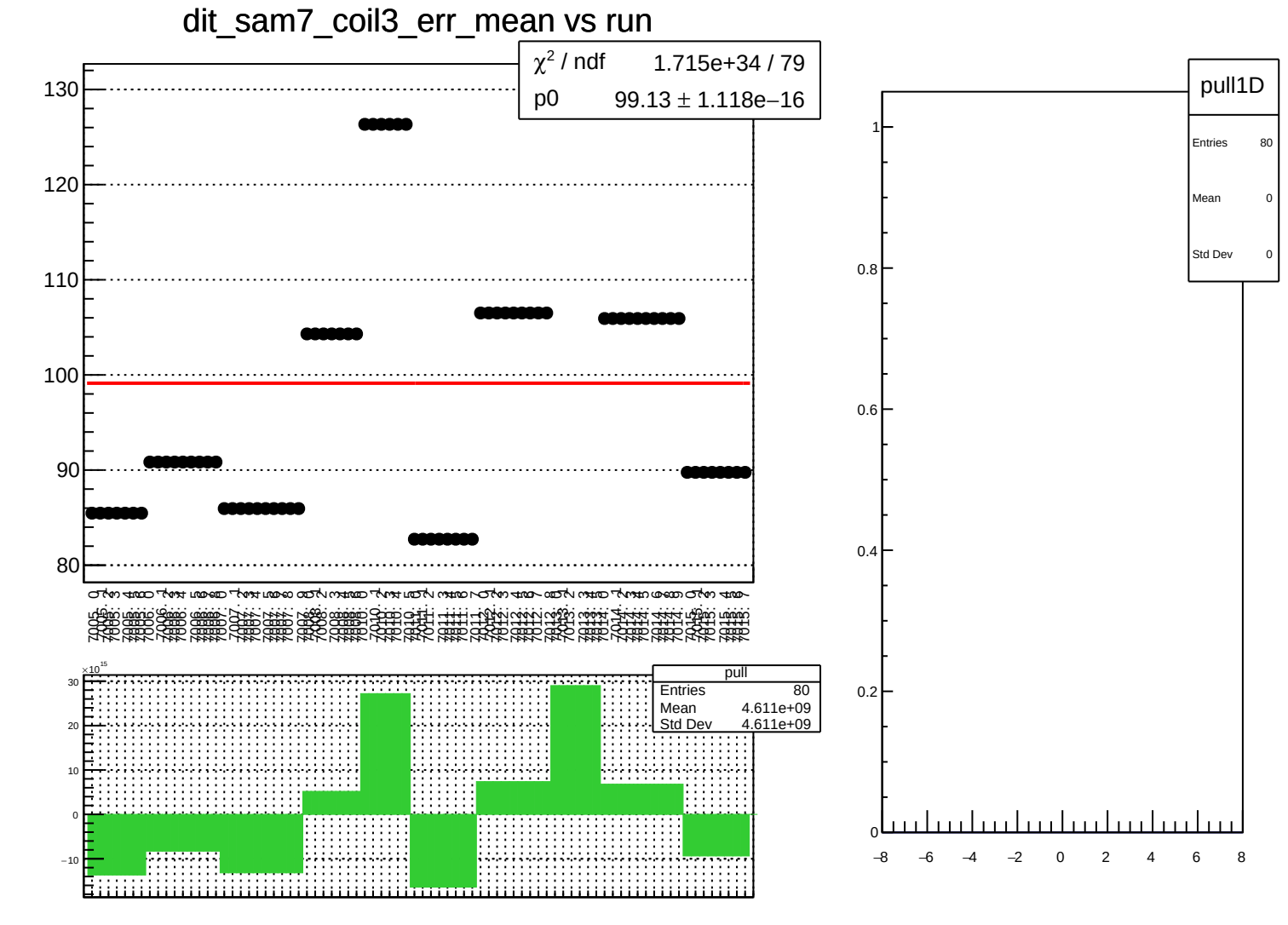

pull1D
Entries 80
Mean 0
Std Dev 0

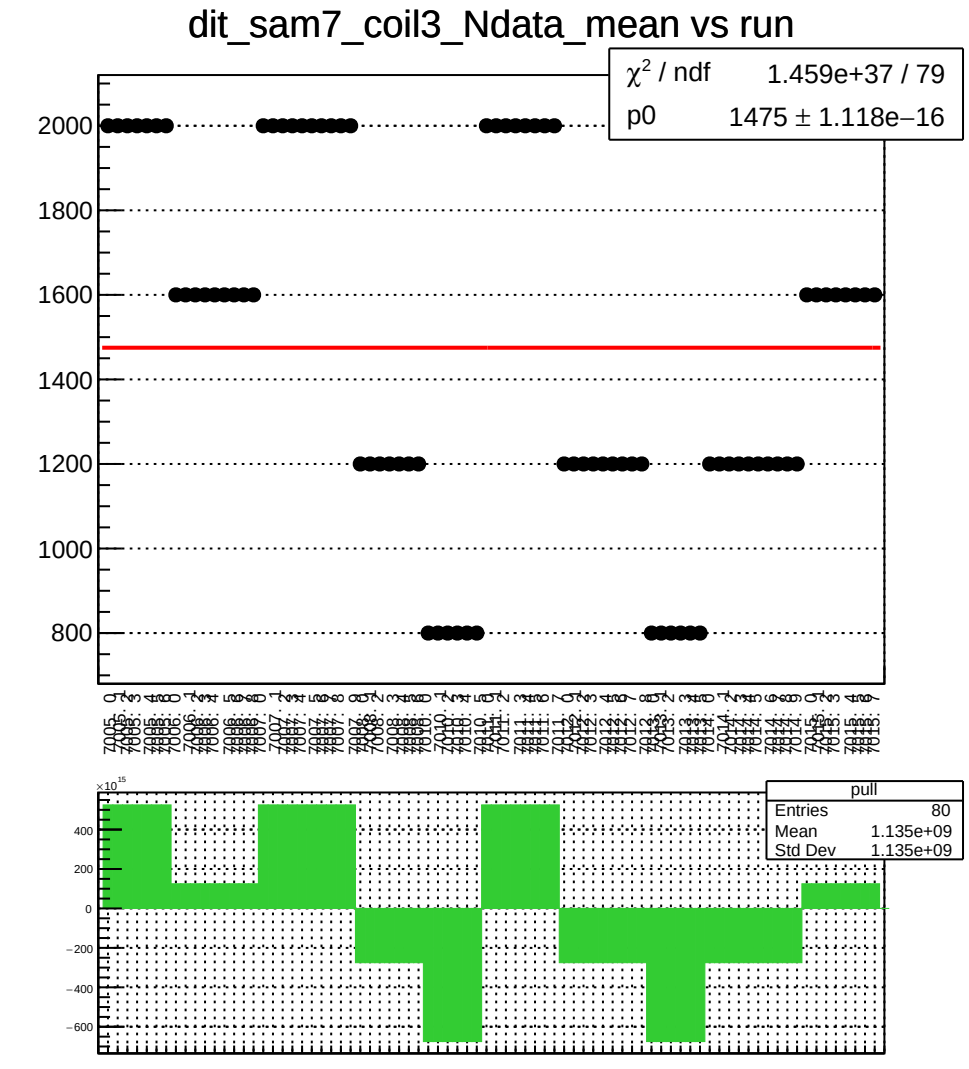

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

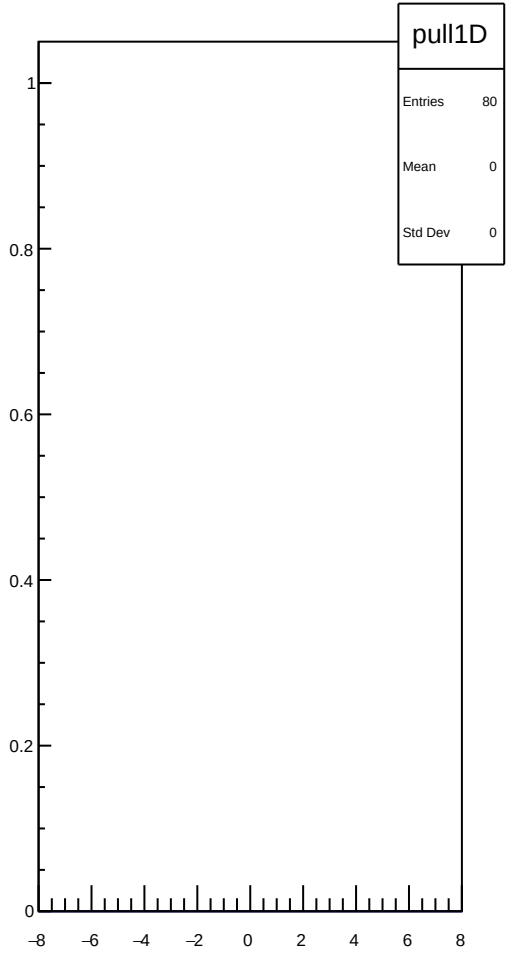

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

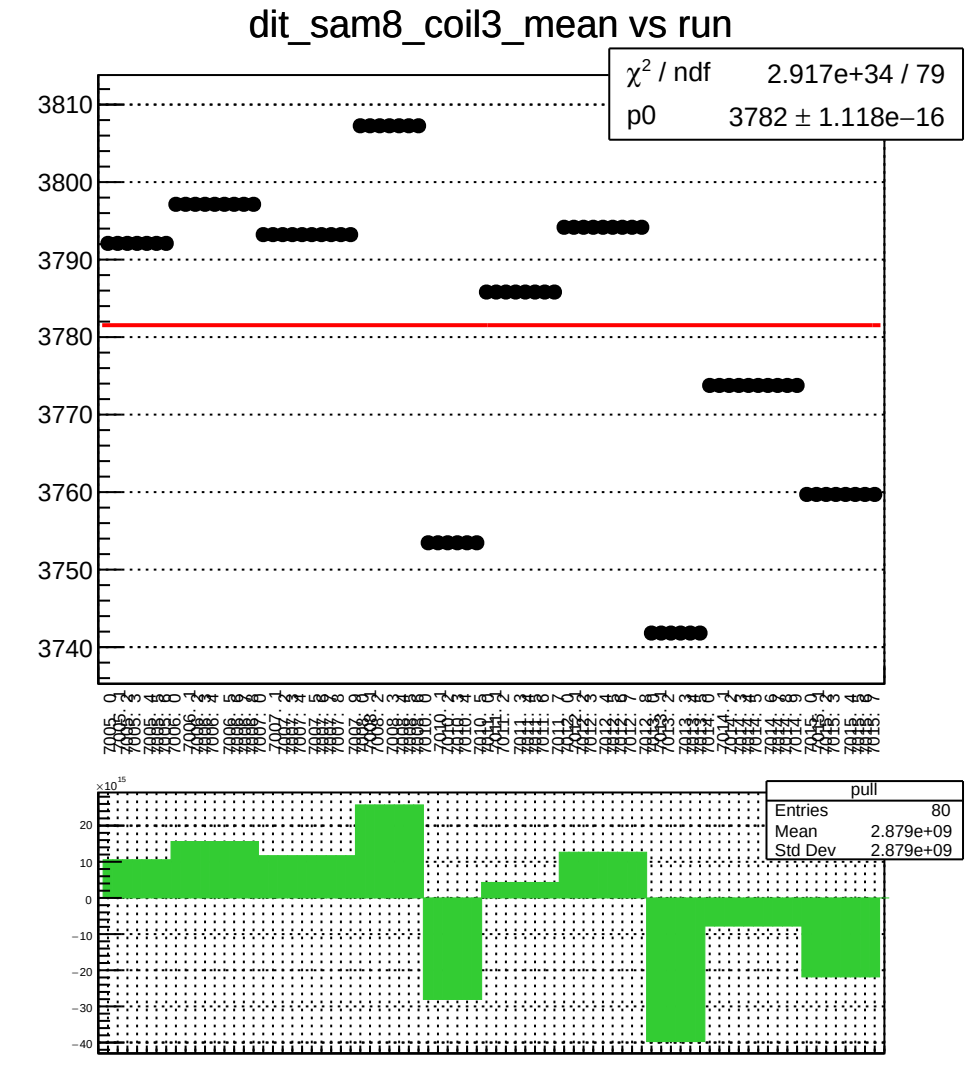

dit_sam7_coil3_mean vs run
χ² / ndf 1.086e+35 / 79
p0 4972 ± 1.118e−16
5020
5000
4980
4960
4940
4920
4900
4880
pull
Entries 80
Mean 5.413e+08
Std Dev 5.413e+08
×10¹⁵
40
20
0
−20
−40
−60
−80

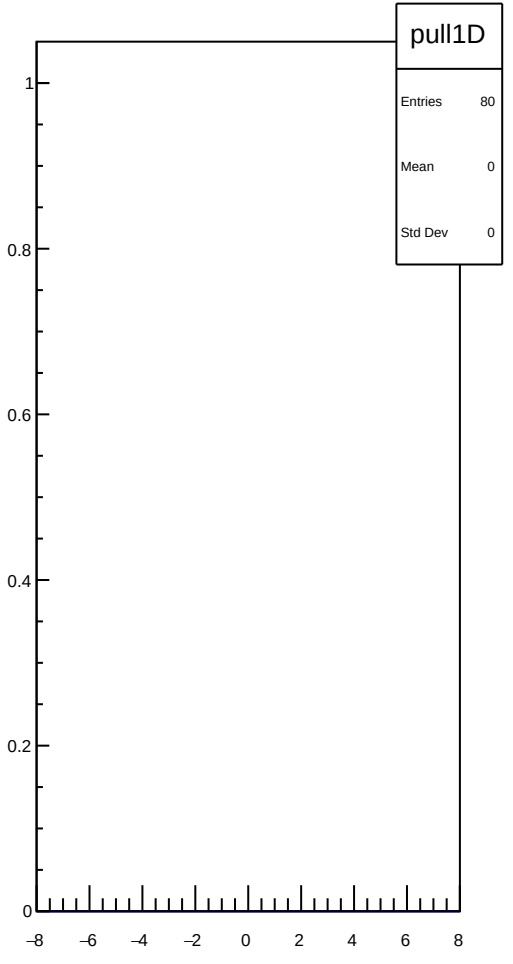

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

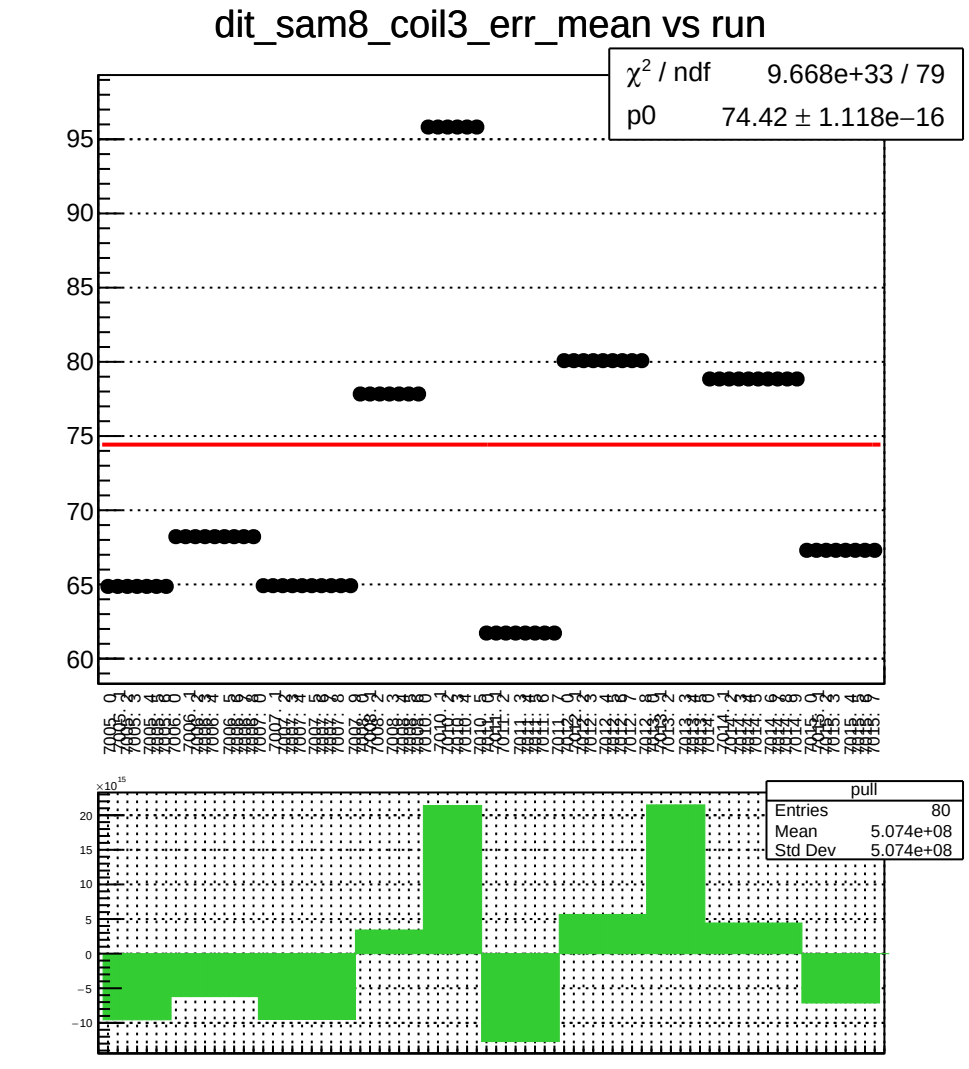

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.715e+34 / 79
p0 99.13 ± 1.118e−16
130
120
110
100
90
80
pull
Entries 80
Mean 4.611e+09
Std Dev 4.611e+09
×10¹⁵
30
20
10
0
−10
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

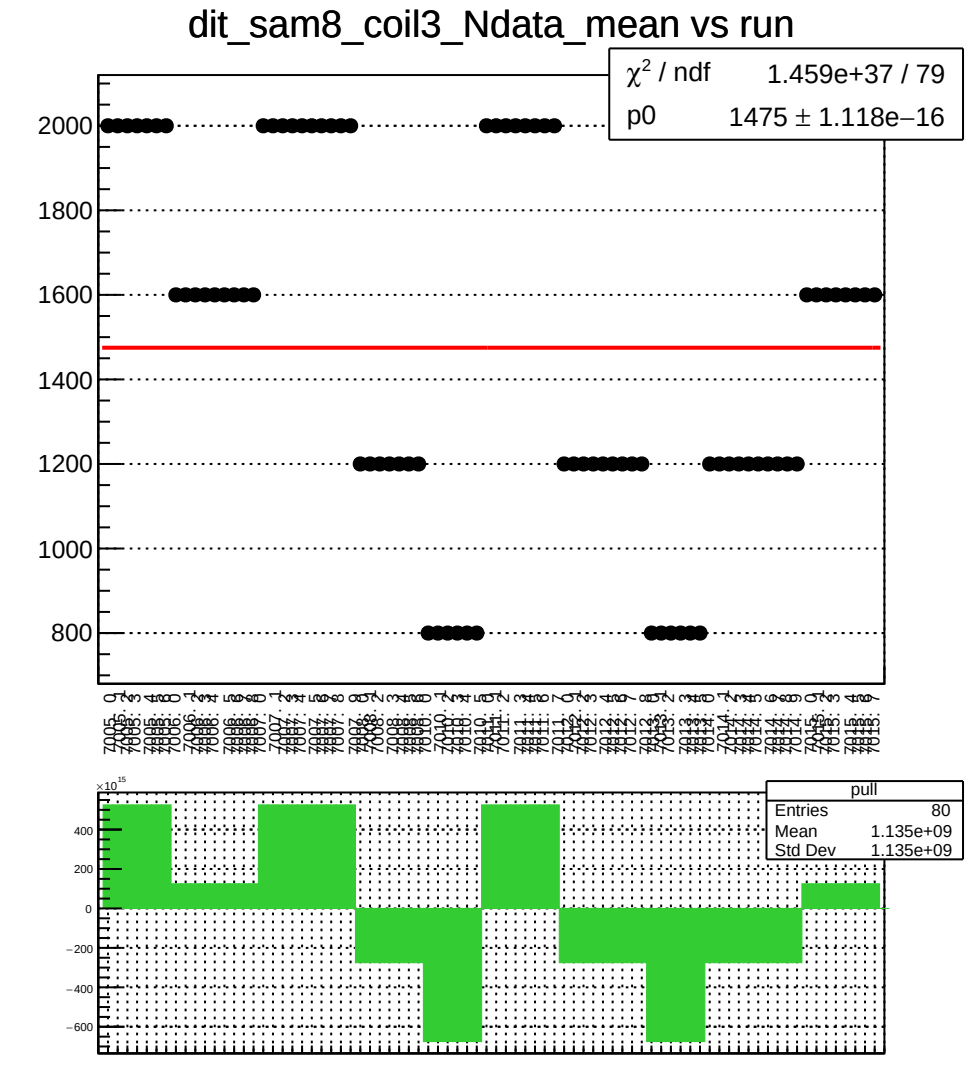

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

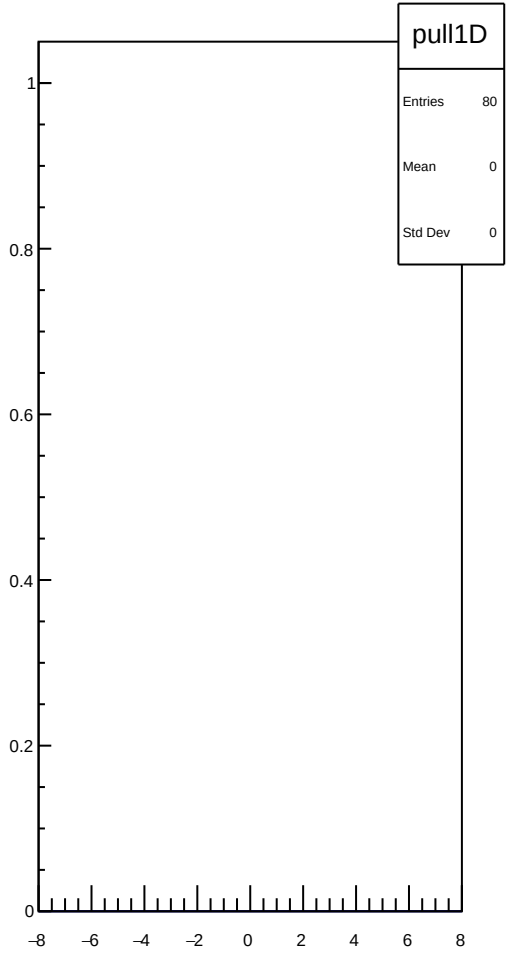

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

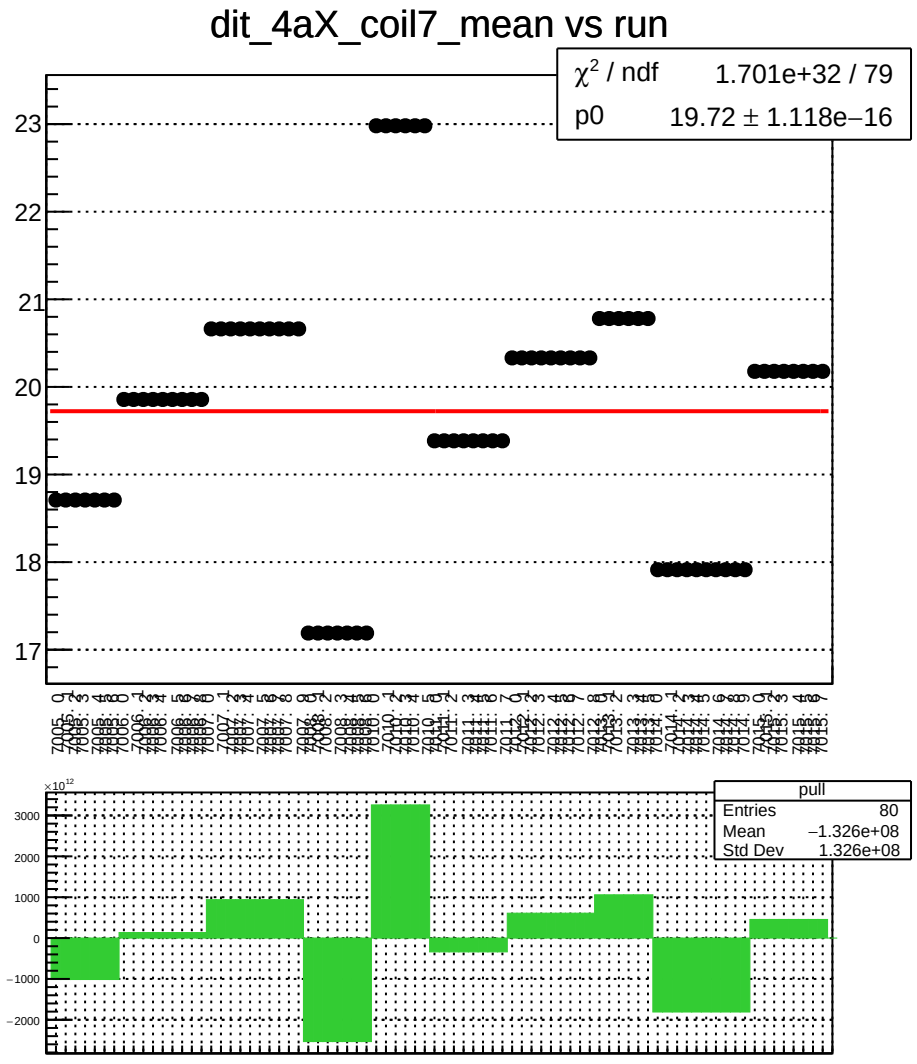

dit_sam8_coil3_mean vs run
χ² / ndf 2.917e+34 / 79
p0 3782 ± 1.118e−16
3810
3800
3790
3780
3770
3760
3750
3740
pull
Entries 80
Mean 2.879e+09
Std Dev 2.879e+09
×10¹⁵
20
10
0
−10
−20
−30
−40

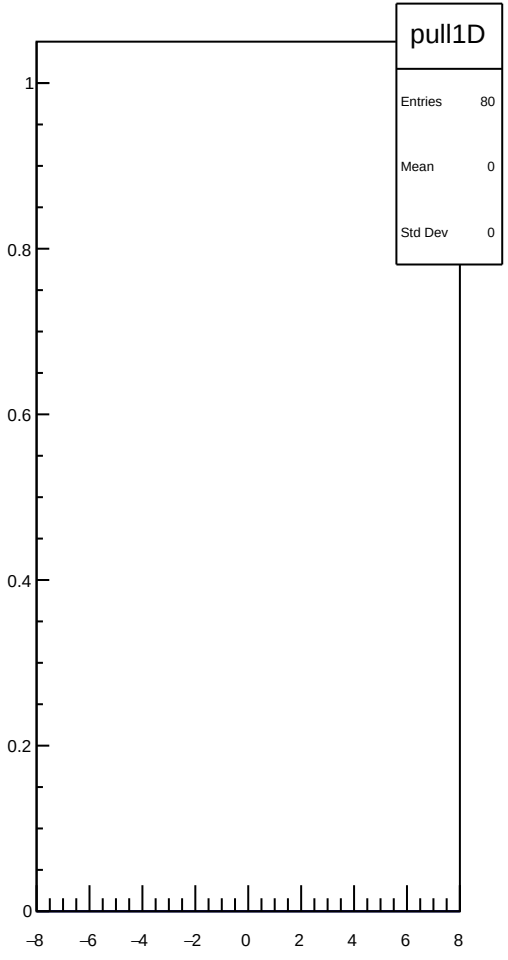

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

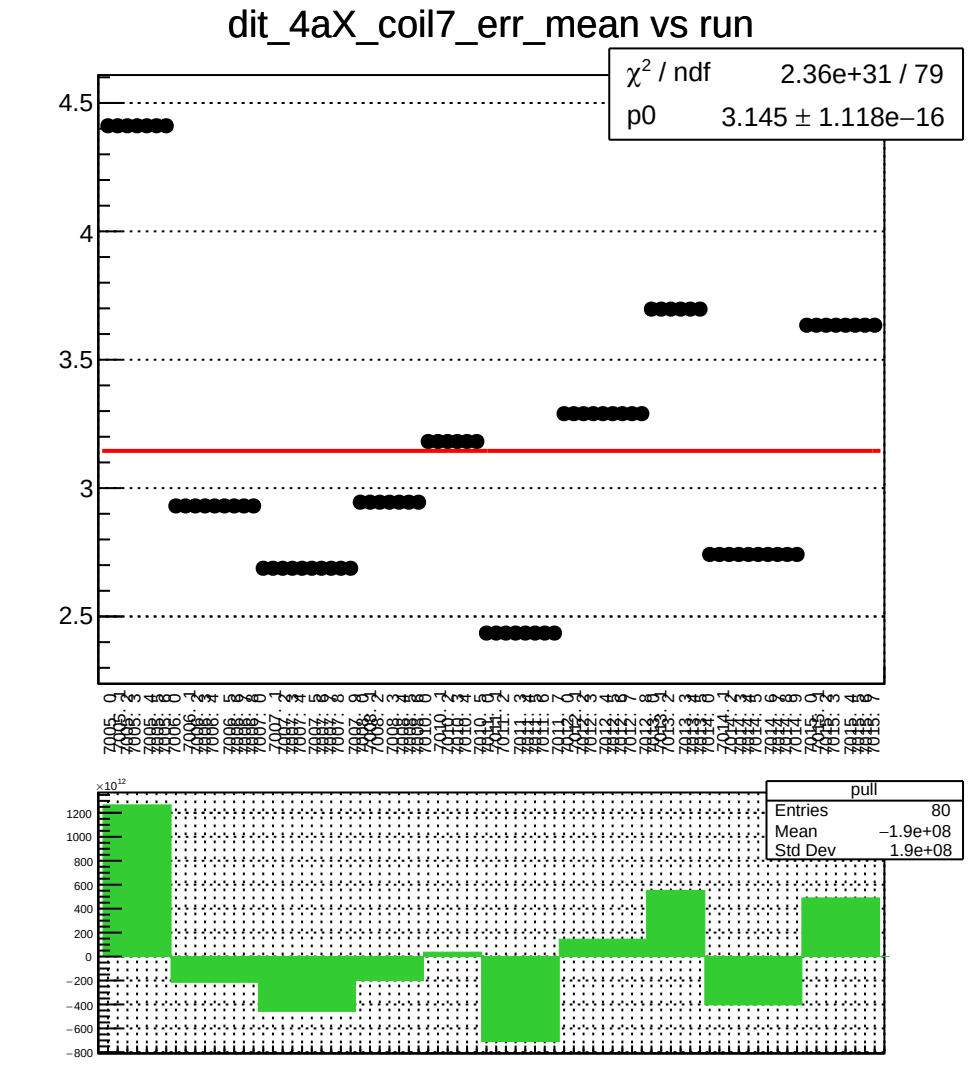

dit_sam8_coil3_err_mean vs run
χ² / ndf 9.668e+33 / 79
p0 74.42 ± 1.118e−16
pull
Entries 80
Mean 5.074e+08
Std Dev 5.074e+08
pull1D
Entries 80
Mean 0
Std Dev 0

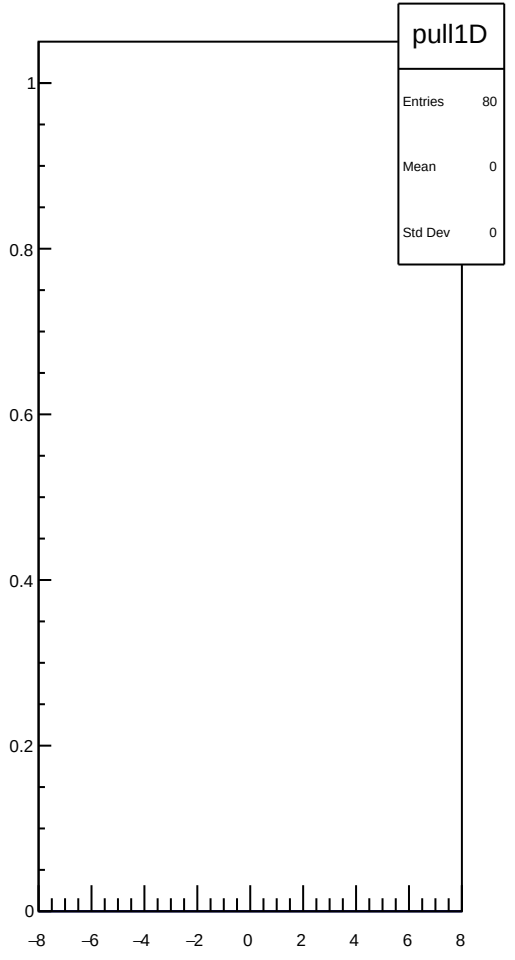

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600

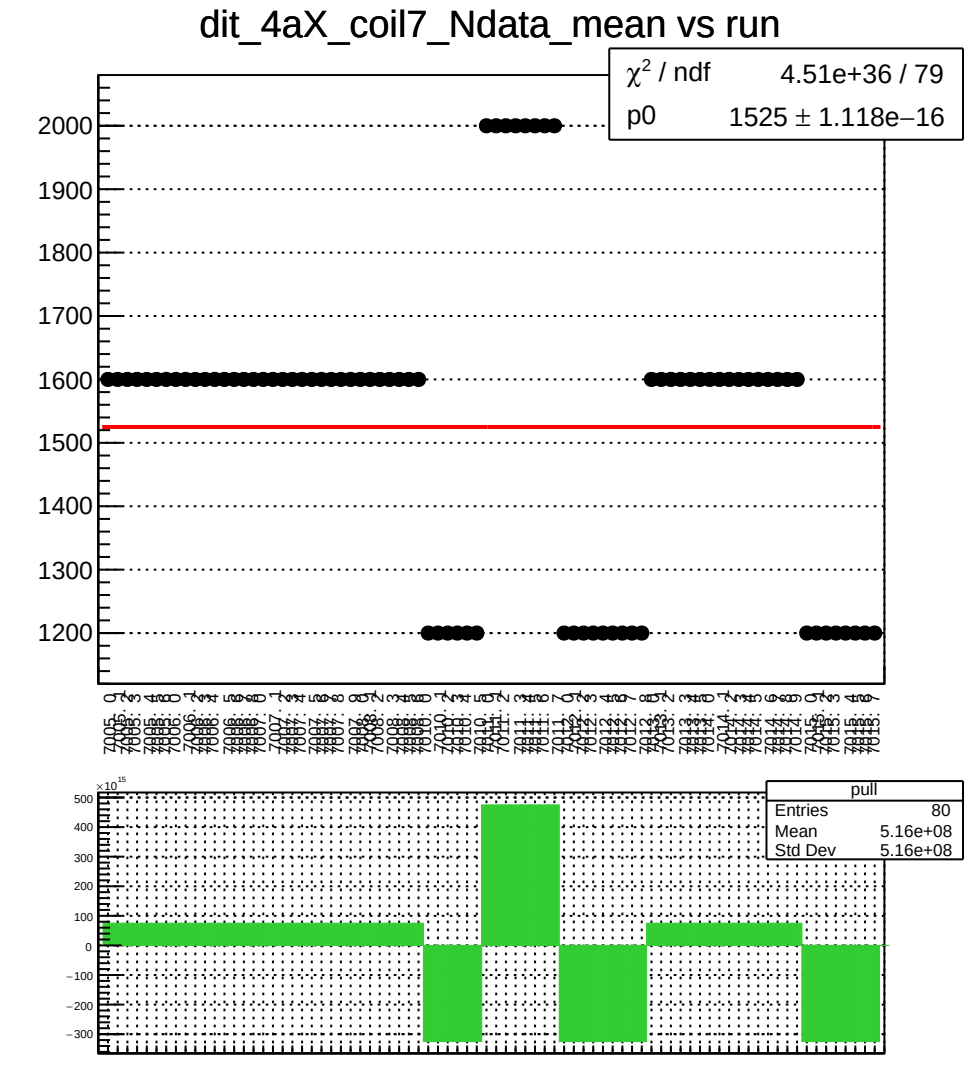

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

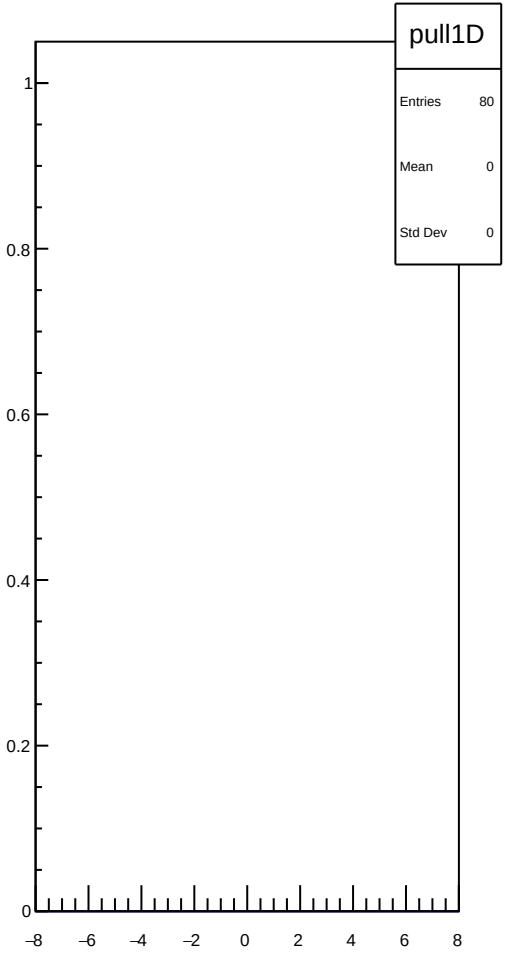

dit_4aX_coil7_mean vs run
χ² / ndf 1.701e+32 / 79
p0 19.72 ± 1.118e−16
23
22
21
20
19
18
17
×10¹²
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08

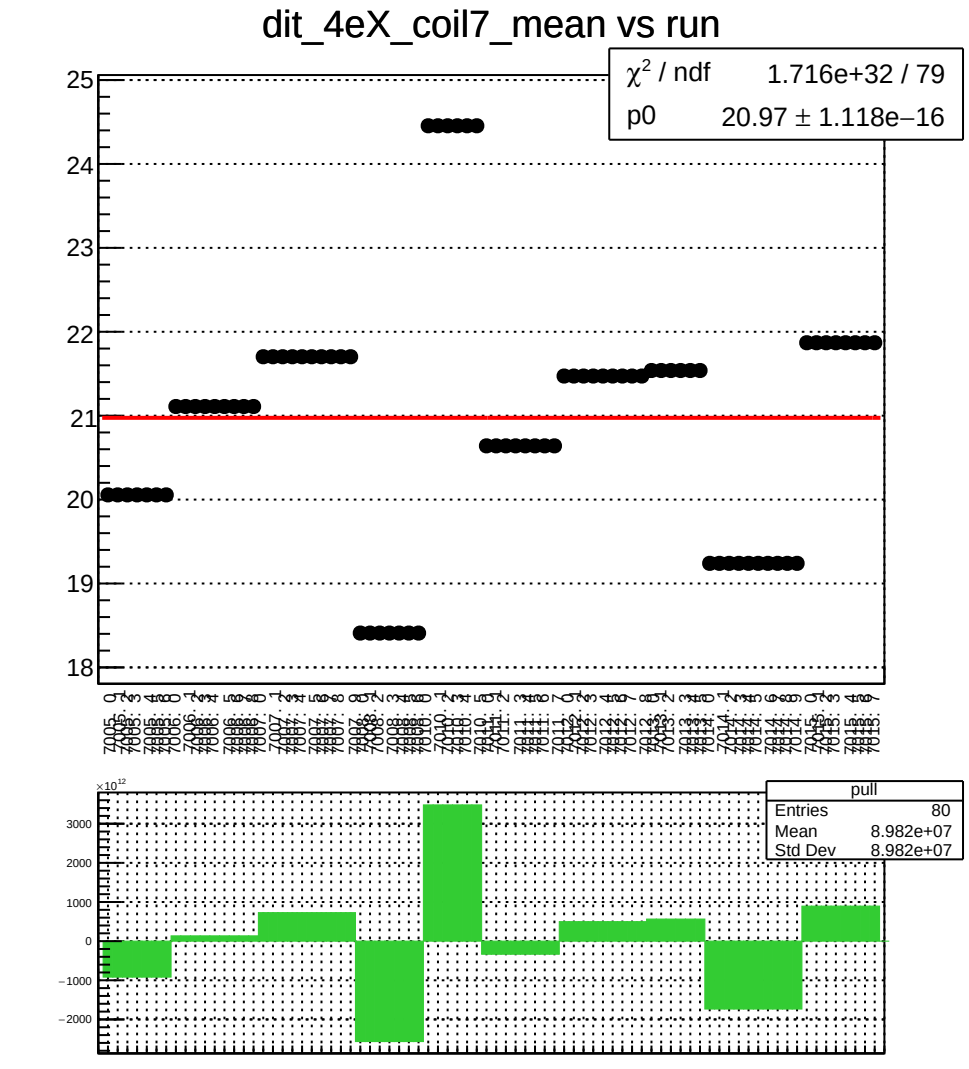

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

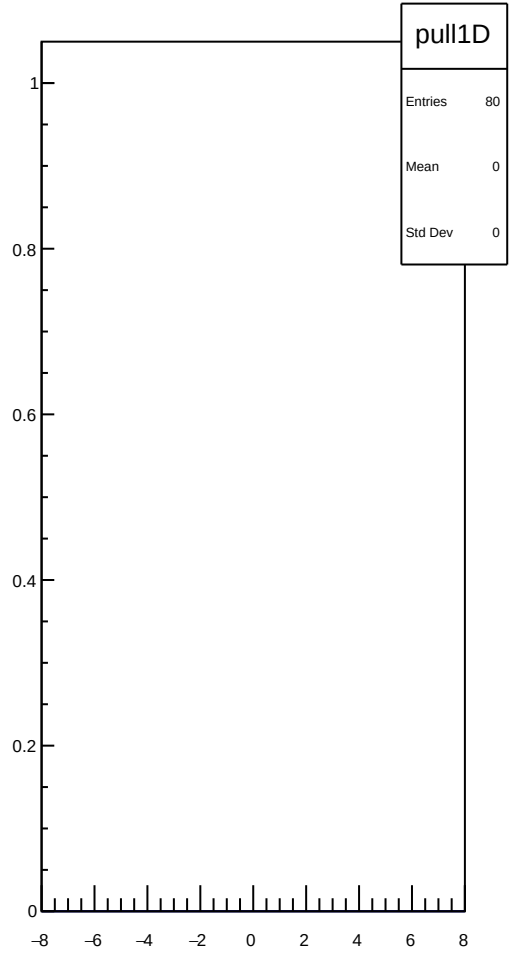

dit_4aX_coil7_err_mean vs run
χ² / ndf 2.36e+31 / 79
p0 3.145 ± 1.118e−16
4.5
4
3.5
3
2.5
×10¹²
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 80
Mean −1.9e+08
Std Dev 1.9e+08

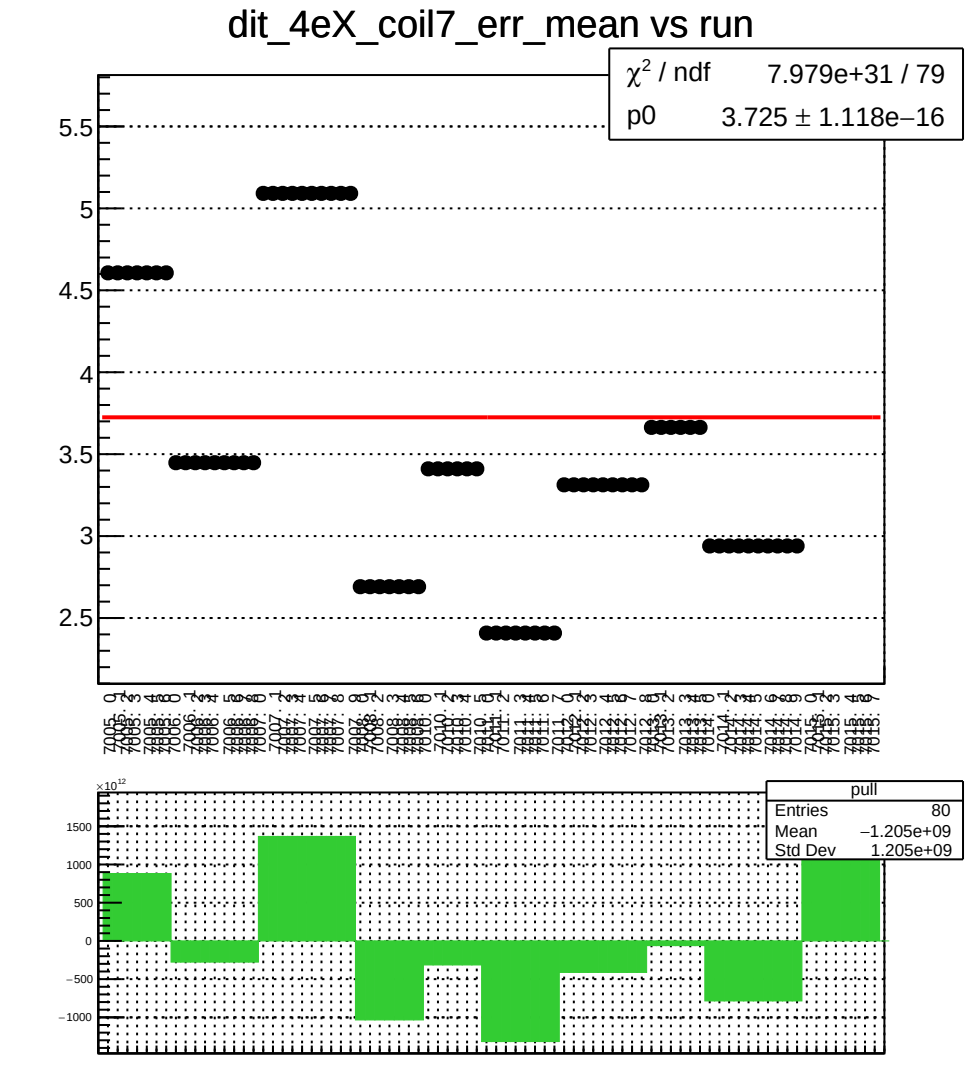

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

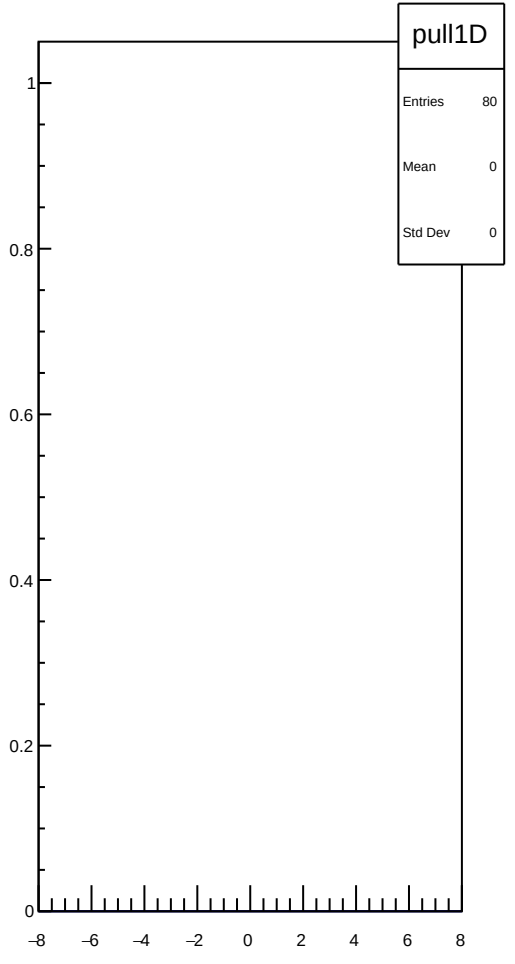

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

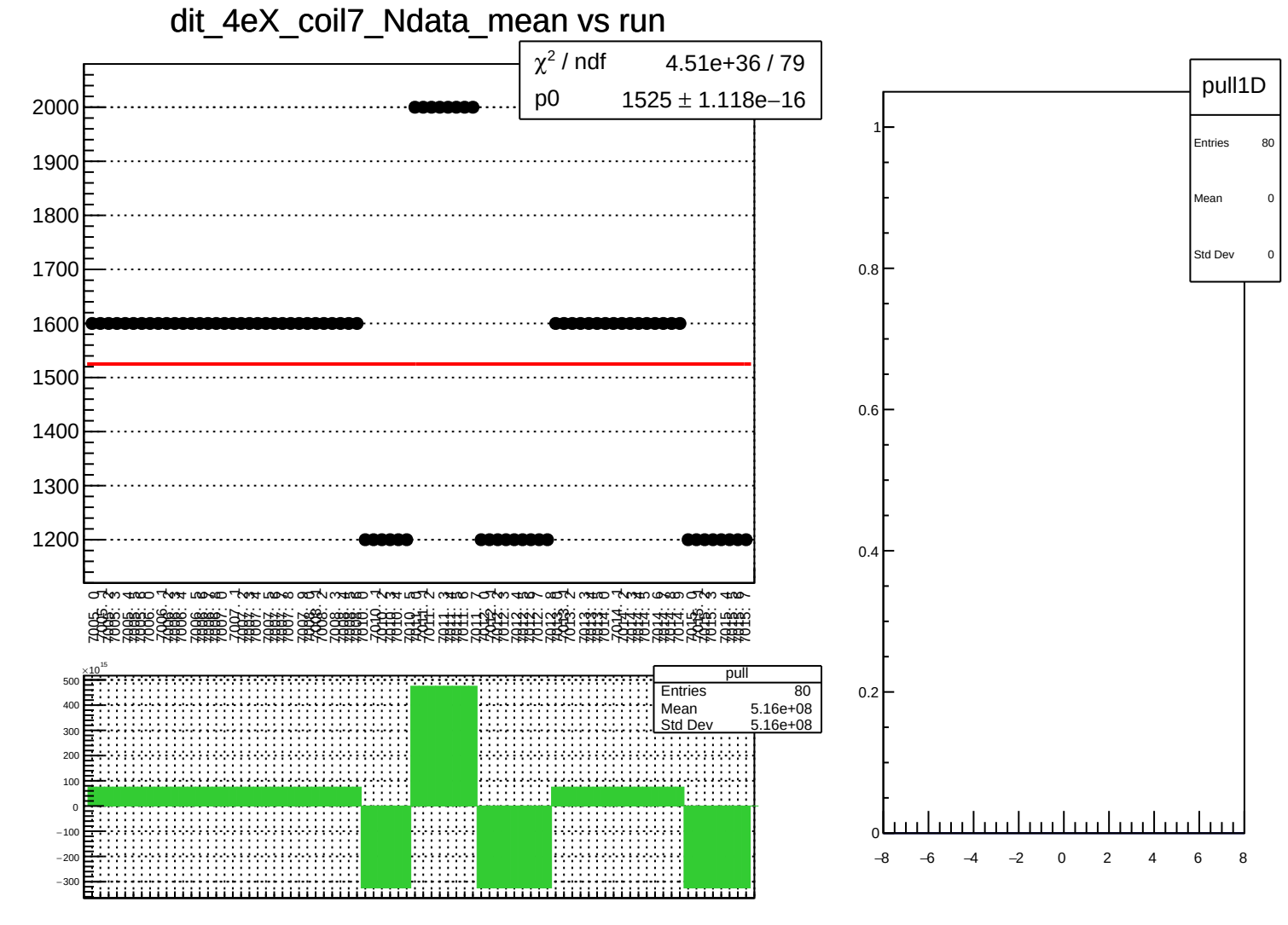

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

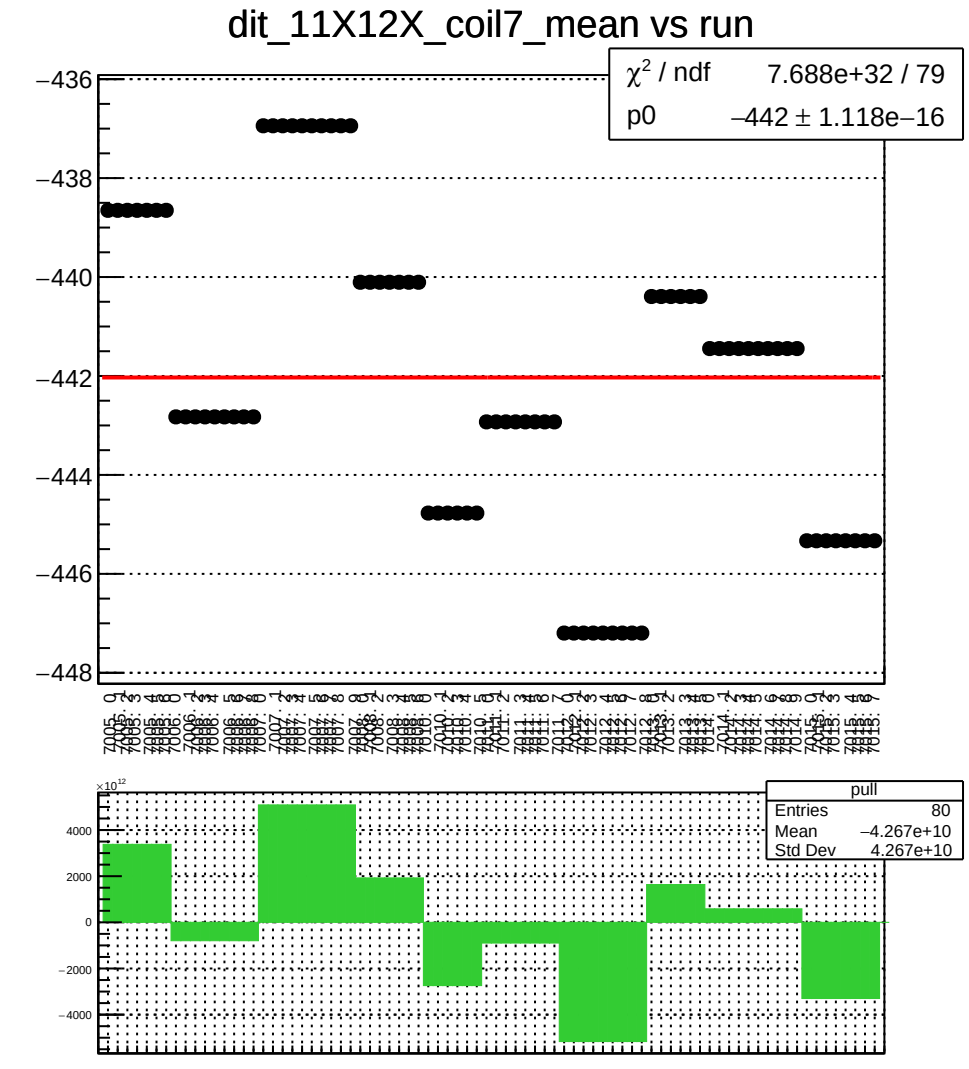

dit_4eX_coil7_mean vs run
χ² / ndf 1.716e+32 / 79
p0 20.97 ± 1.118e−16
pull
Entries 80
Mean 8.982e+07
Std Dev 8.982e+07

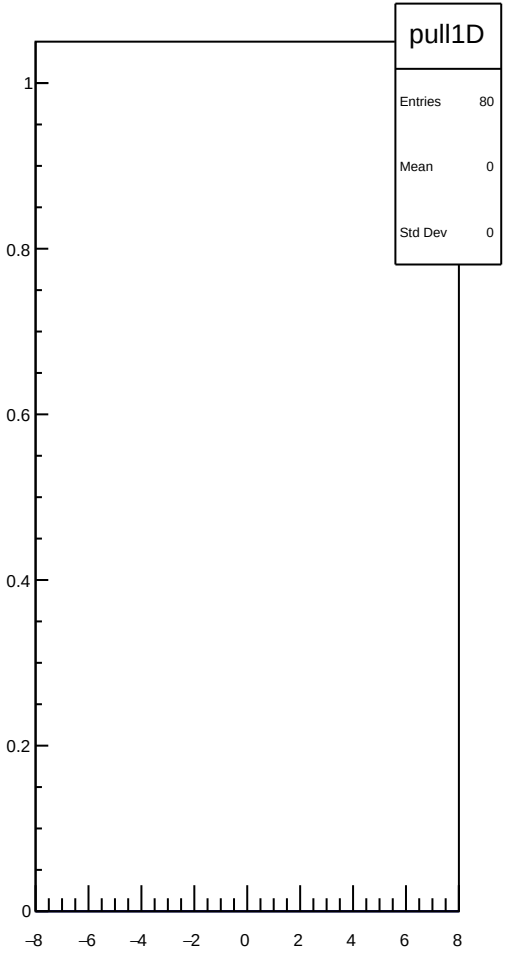

pull1D
Entries 80
Mean 0
Std Dev 0

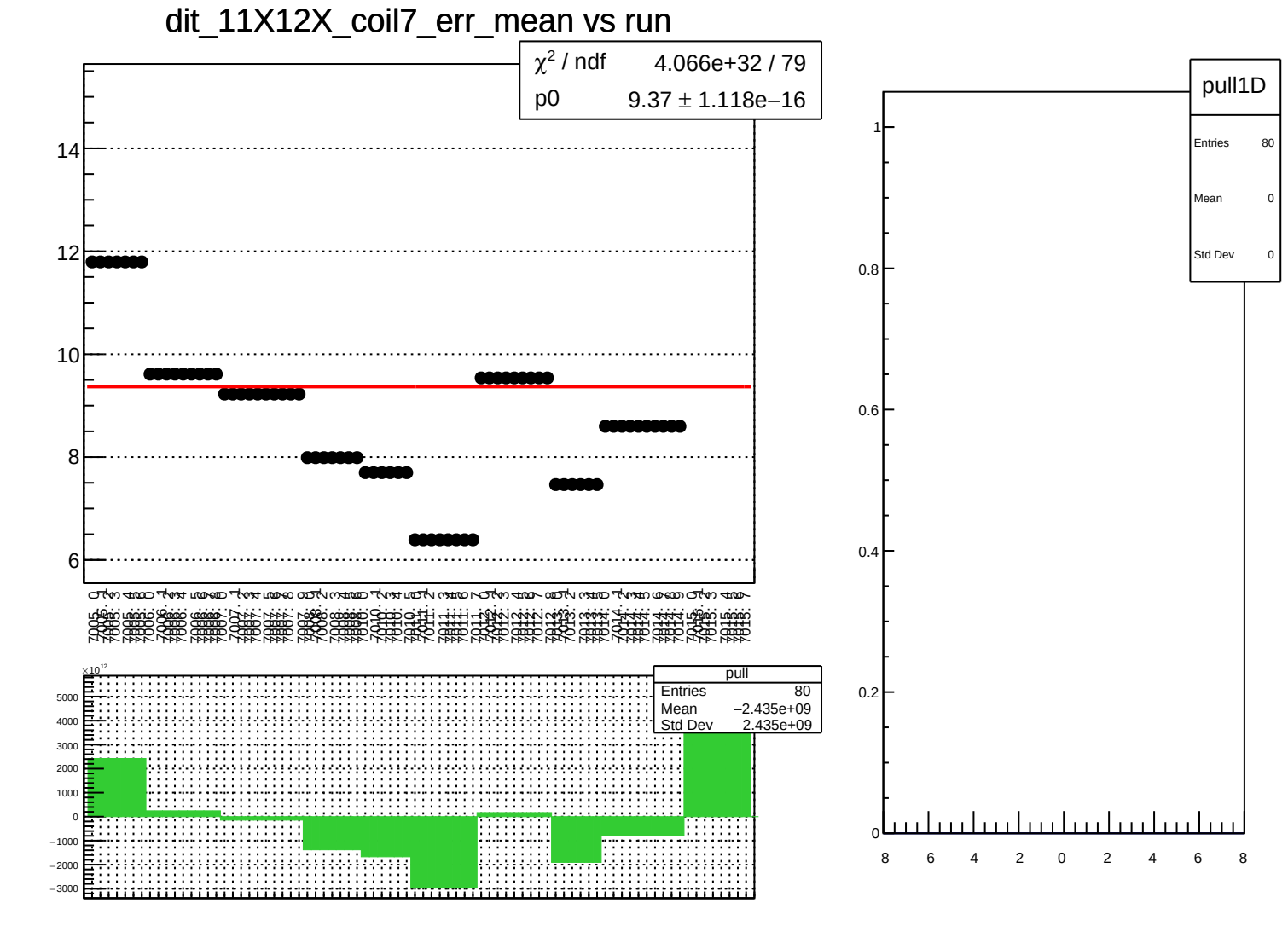

dit_4eX_coil7_err_mean vs run
χ² / ndf 7.979e+31 / 79
p0 3.725 ± 1.118e−16
pull
Entries 80
Mean −1.205e+09
Std Dev 1.205e+09
×10¹²

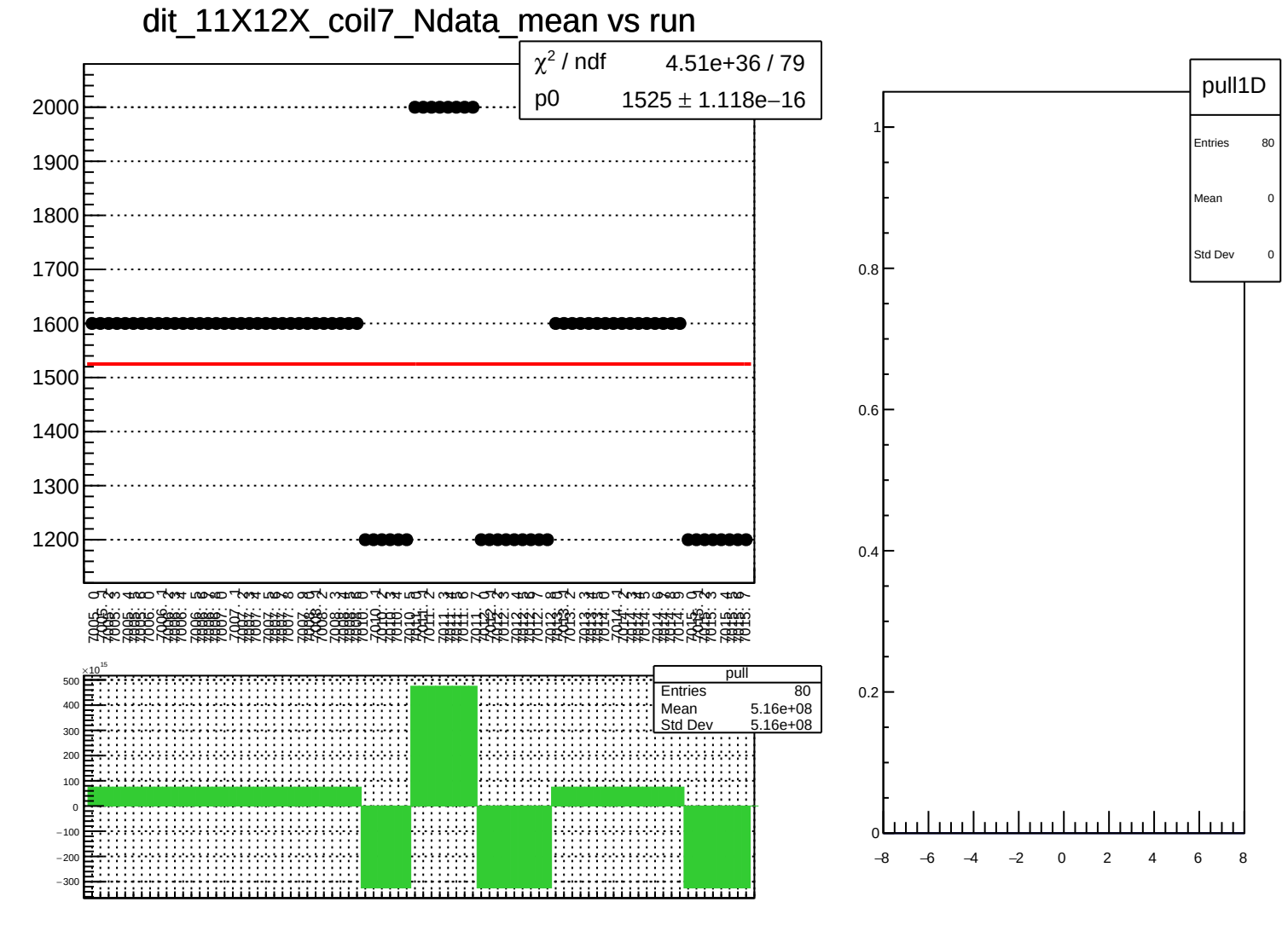

pull1D
Entries 80
Mean 0
Std Dev 0

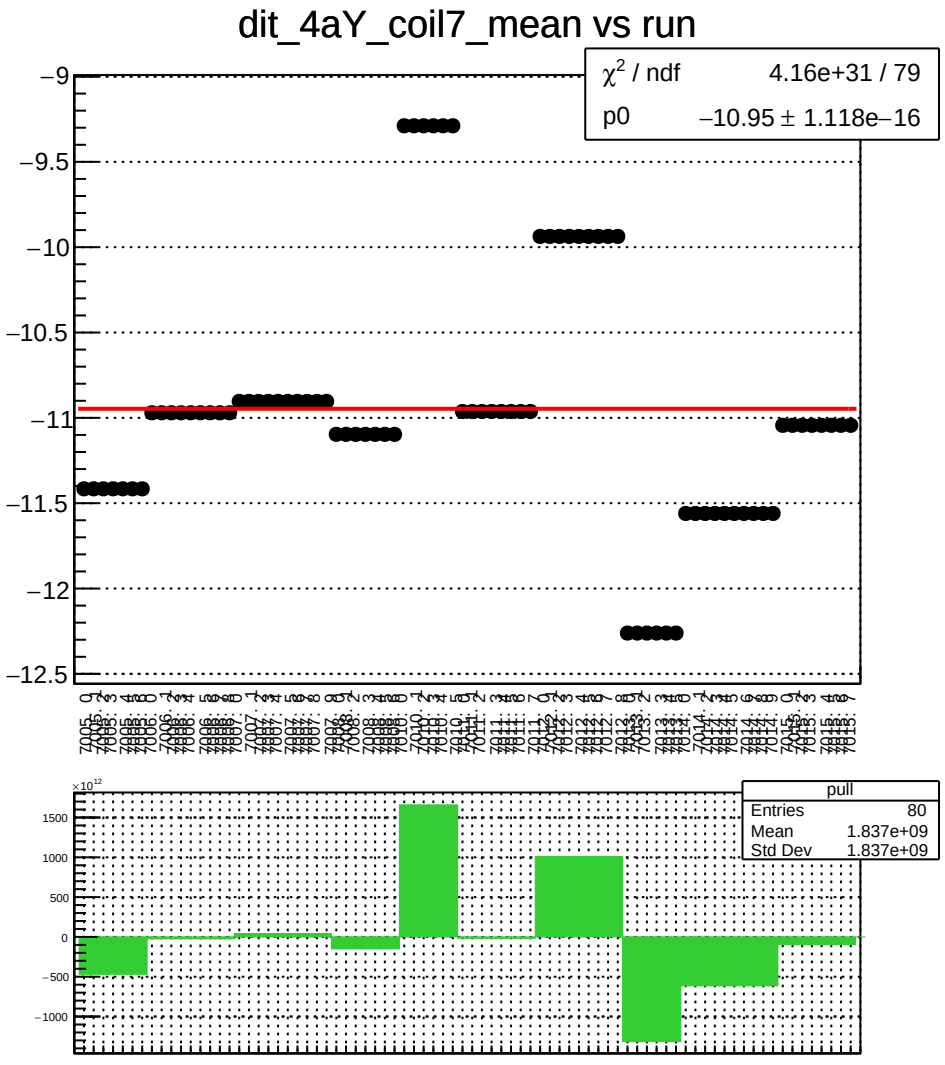

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

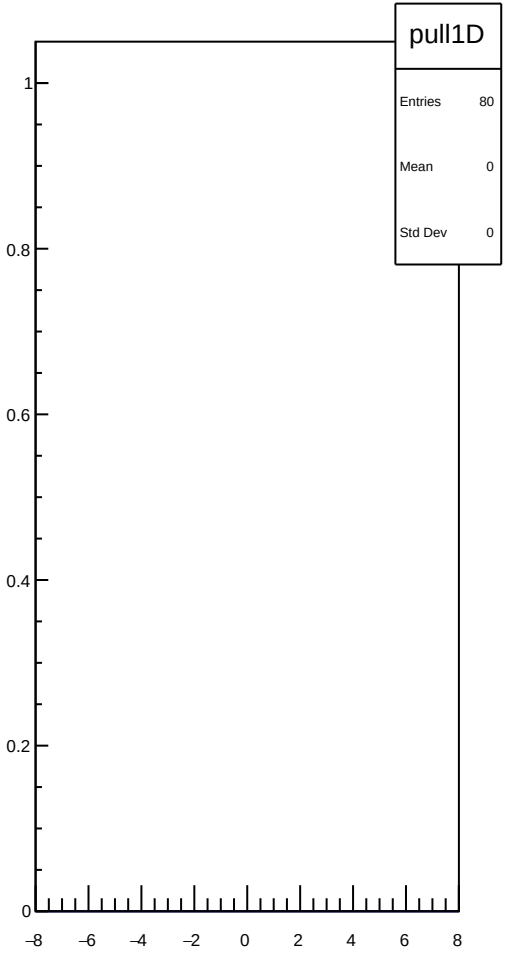

dit_11X12X_coil7_mean vs run
χ² / ndf 7.688e+32 / 79
p0 −442 ± 1.118e−16
−436
−438
−440
−442
−444
−446
−448
pull
Entries 80
Mean −4.267e+10
Std Dev 4.267e+10
×10¹²
4000
2000
0
−2000
−4000

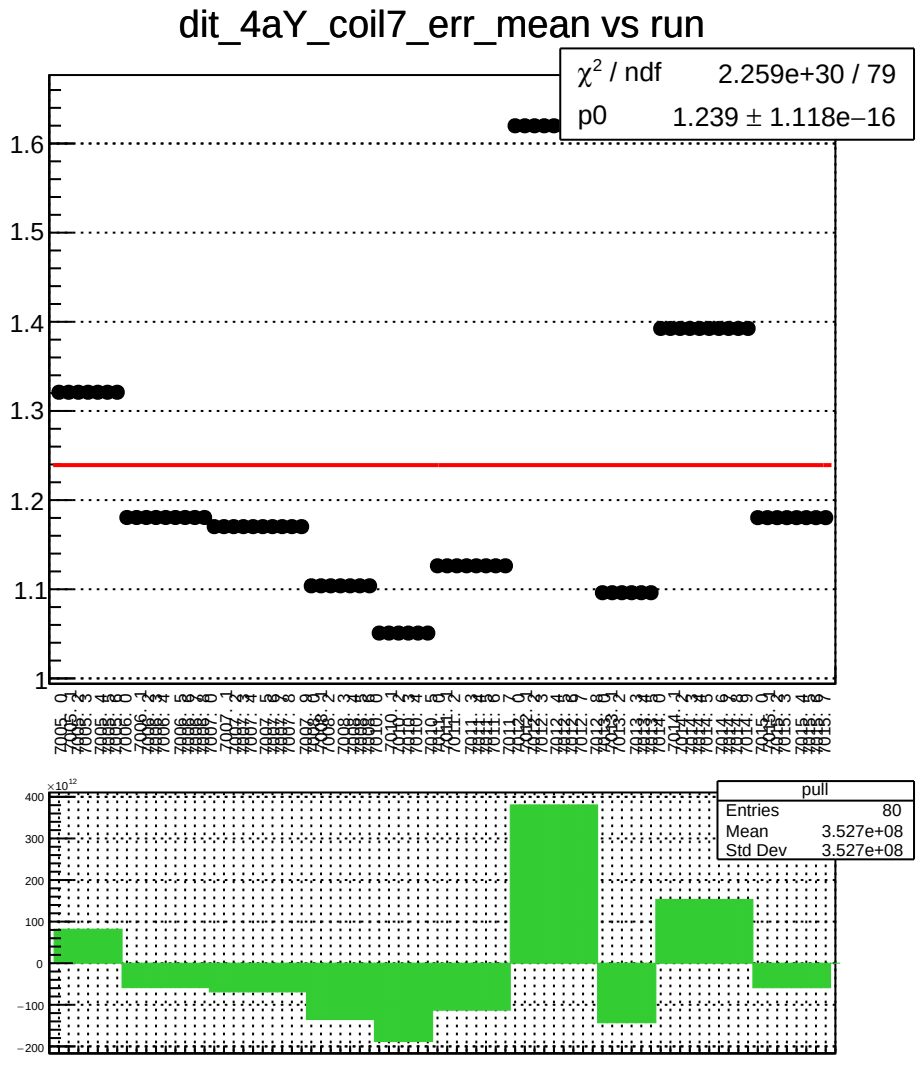

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

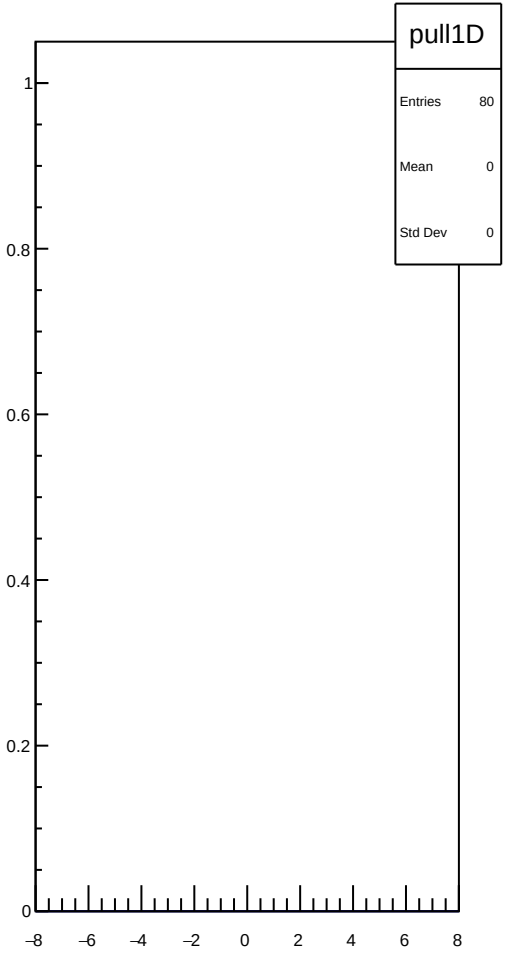

dit_11X12X_coil7_err_mean vs run
χ² / ndf 4.066e+32 / 79
p0 9.37 ± 1.118e−16
14
12
10
8
6
×10¹²
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean −2.435e+09
Std Dev 2.435e+09
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

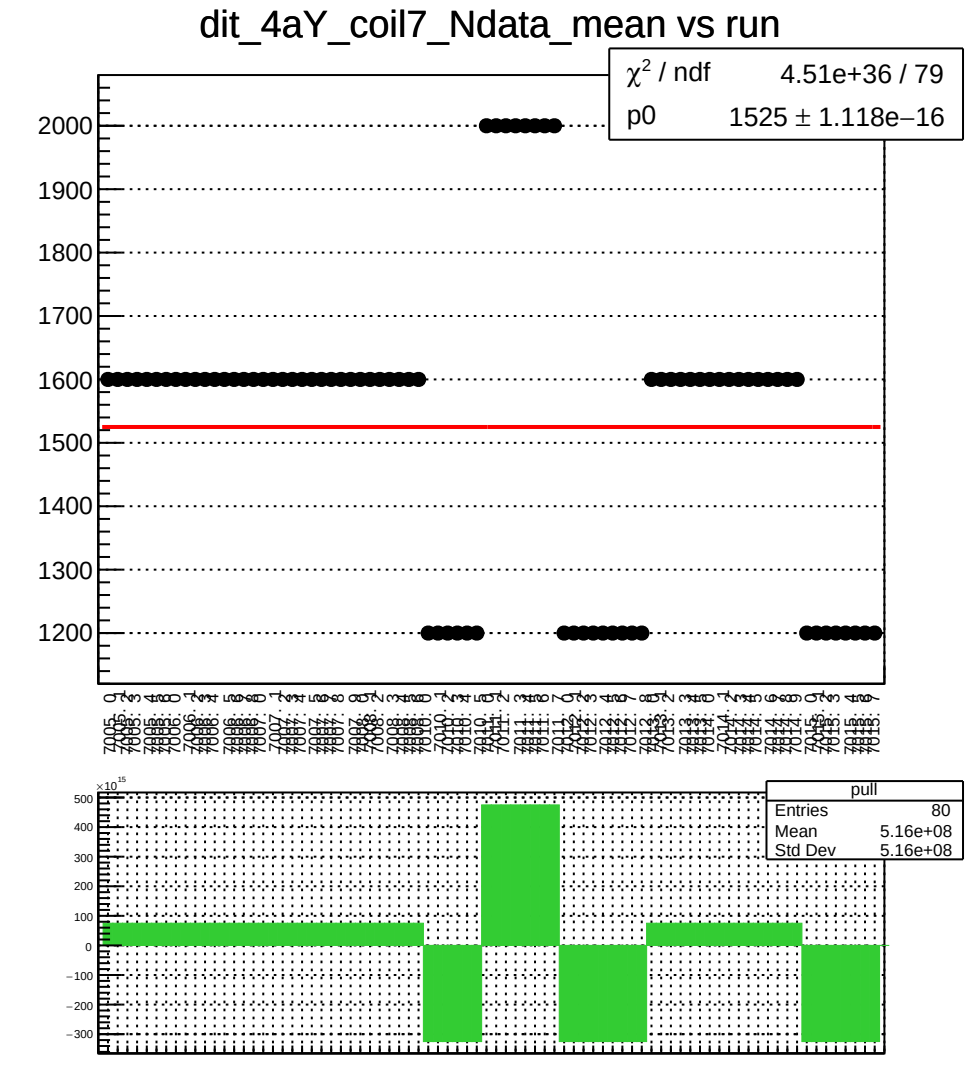

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

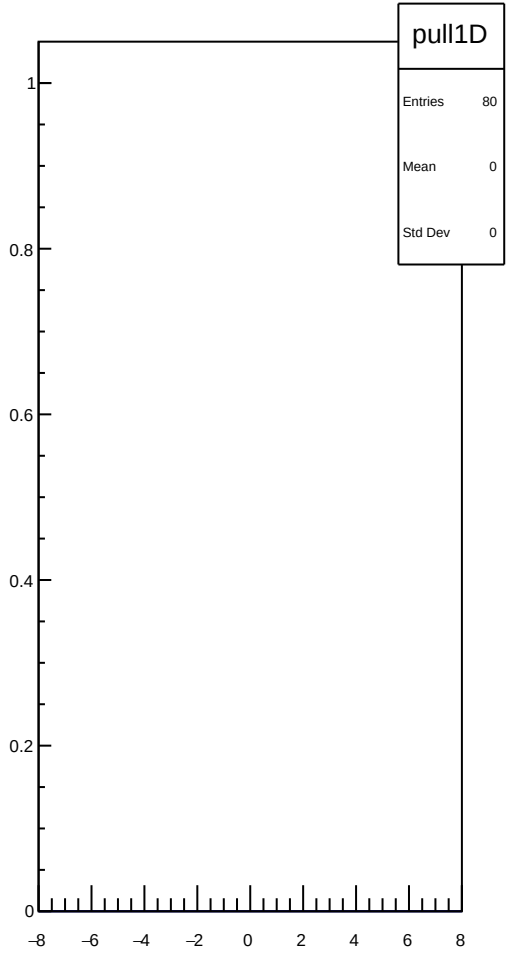

dit_4aY_coil7_mean vs run
χ² / ndf 4.16e+31 / 79
p0 −10.95 ± 1.118e−16
−9
−9.5
−10
−10.5
−11
−11.5
−12
−12.5
×10¹²
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean 1.837e+09
Std Dev 1.837e+09

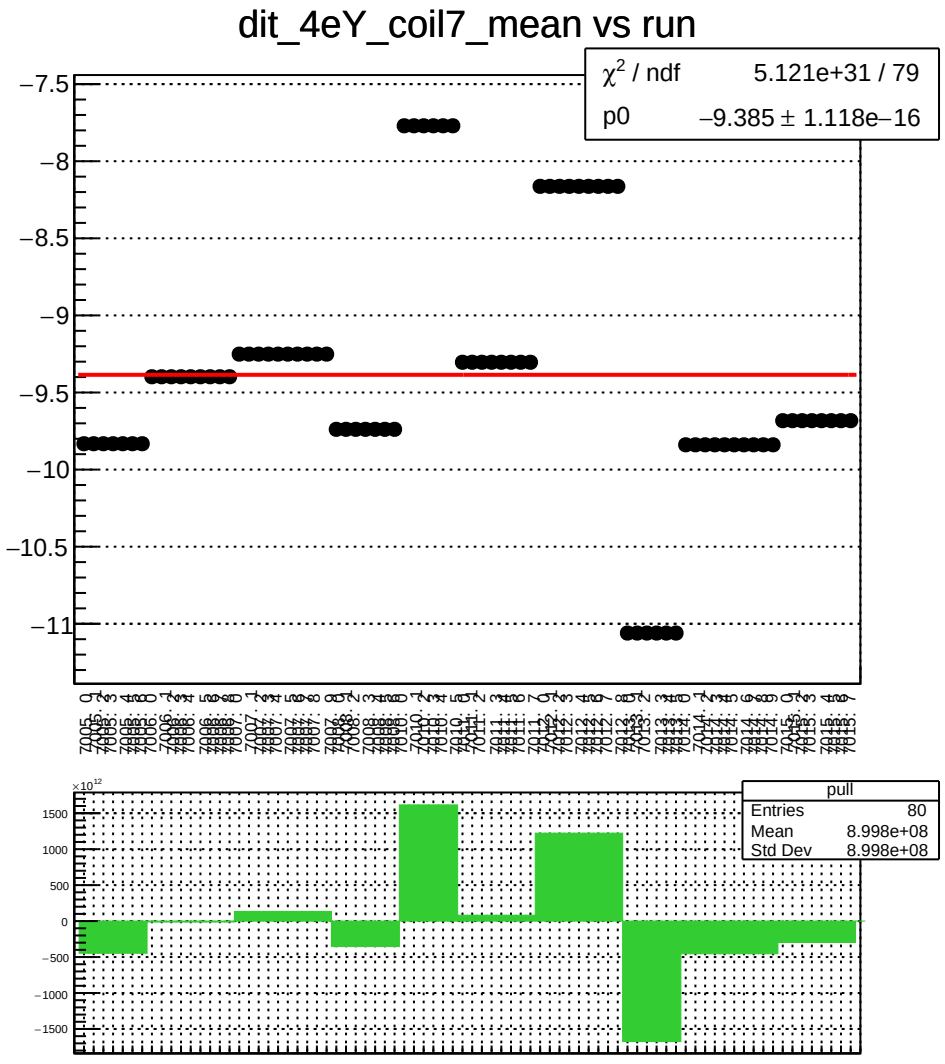

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

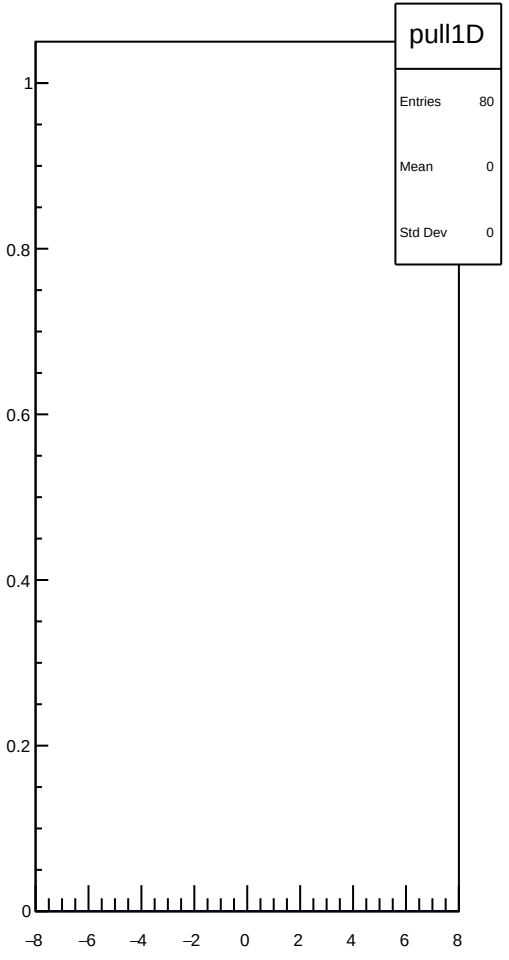

dit_4aY_coil7_err_mean vs run
χ² / ndf 2.259e+30 / 79
p0 1.239 ± 1.118e−16
pull
Entries 80
Mean 3.527e+08
Std Dev 3.527e+08

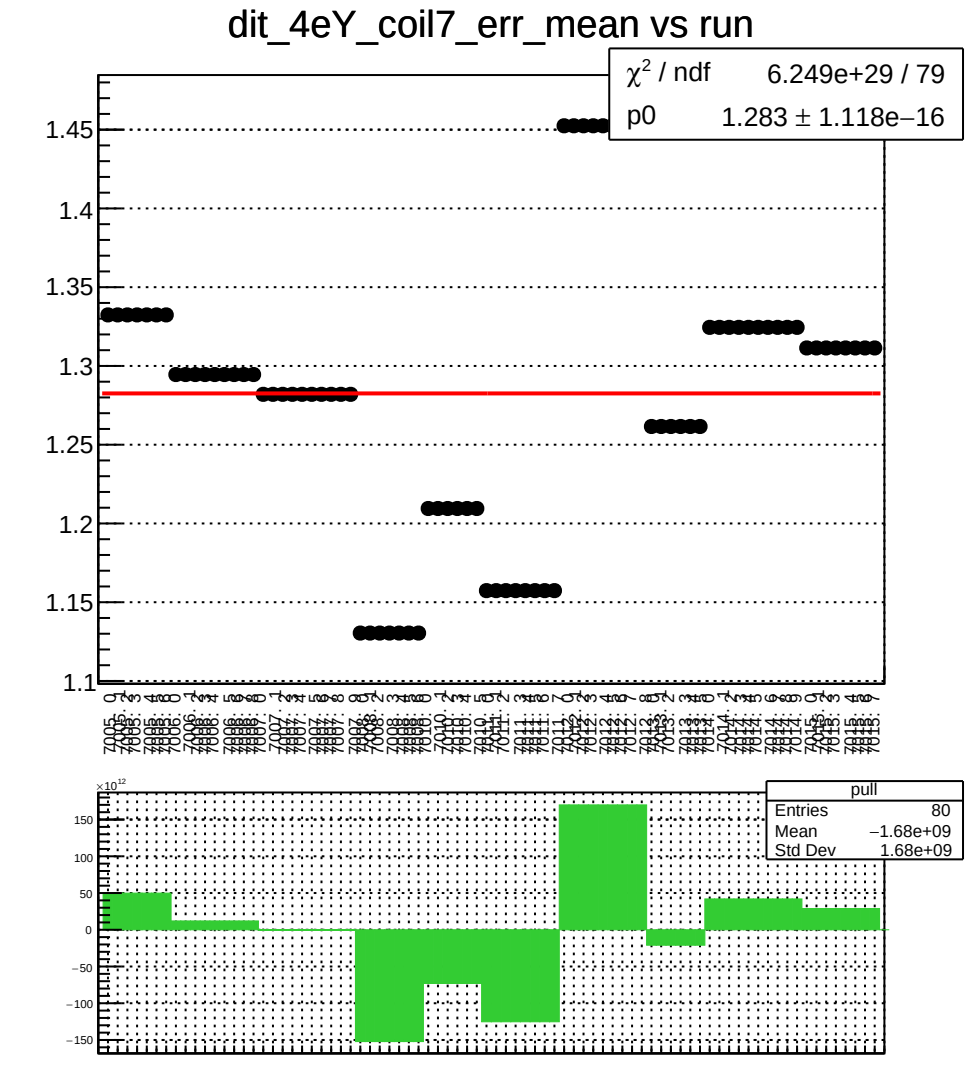

pull1D
Entries 80
Mean 0
Std Dev 0

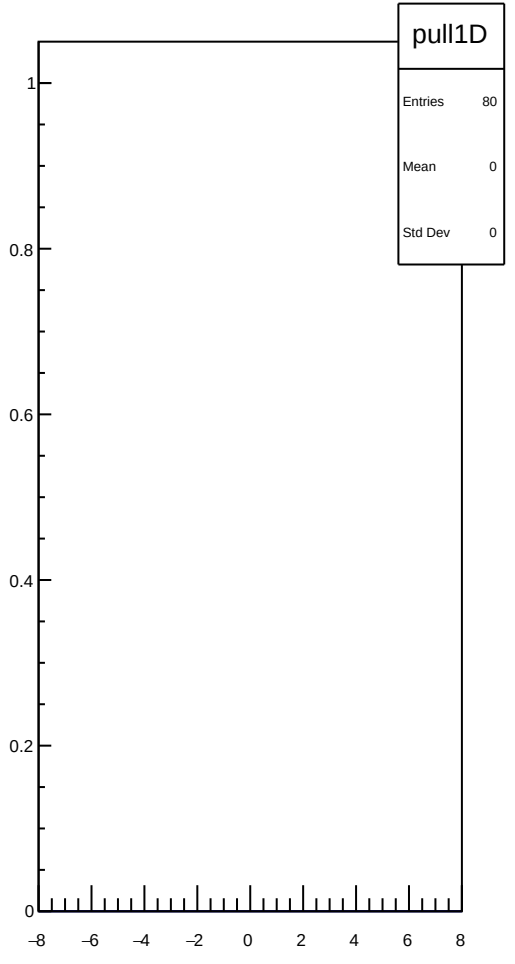

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

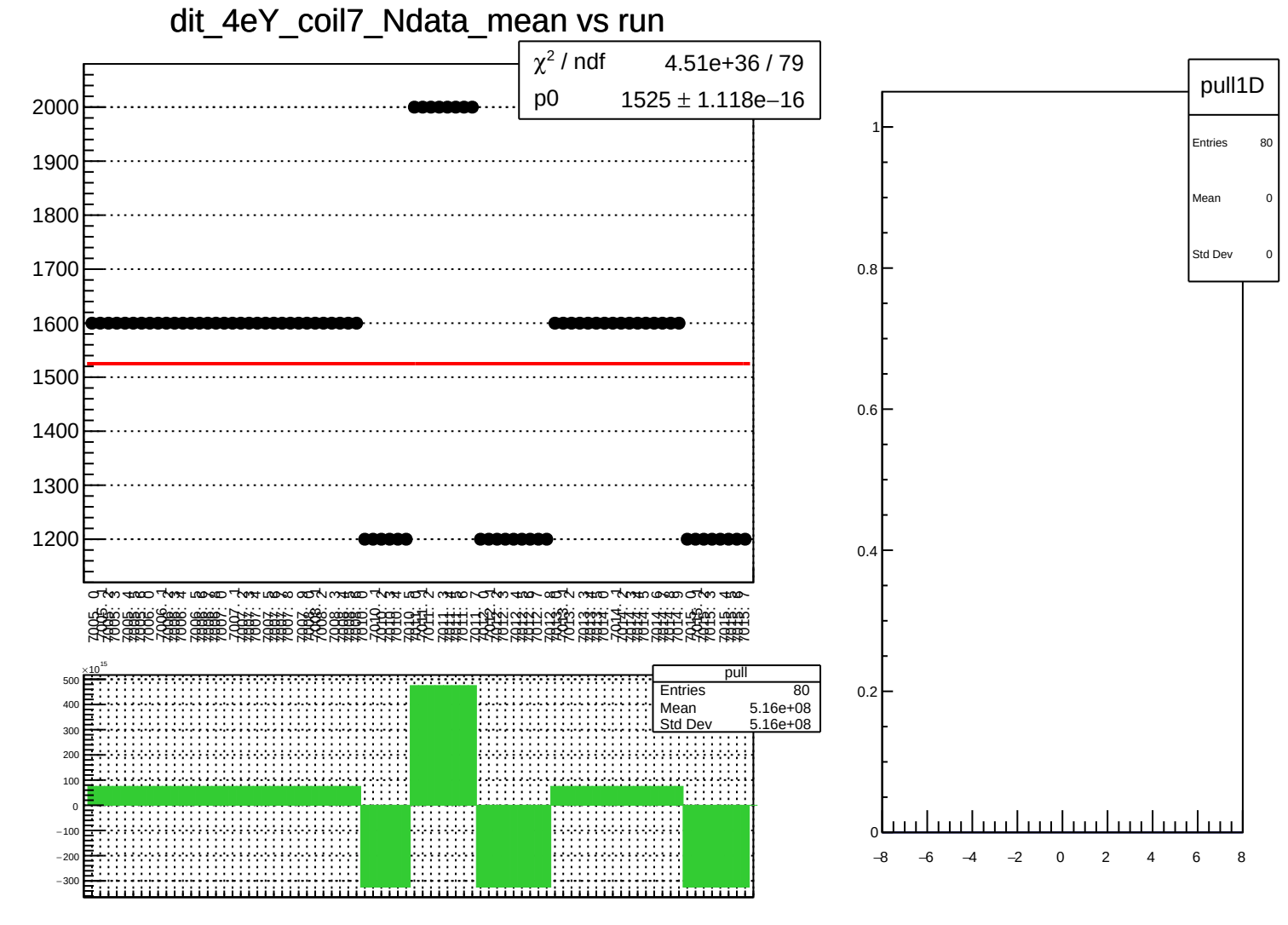

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

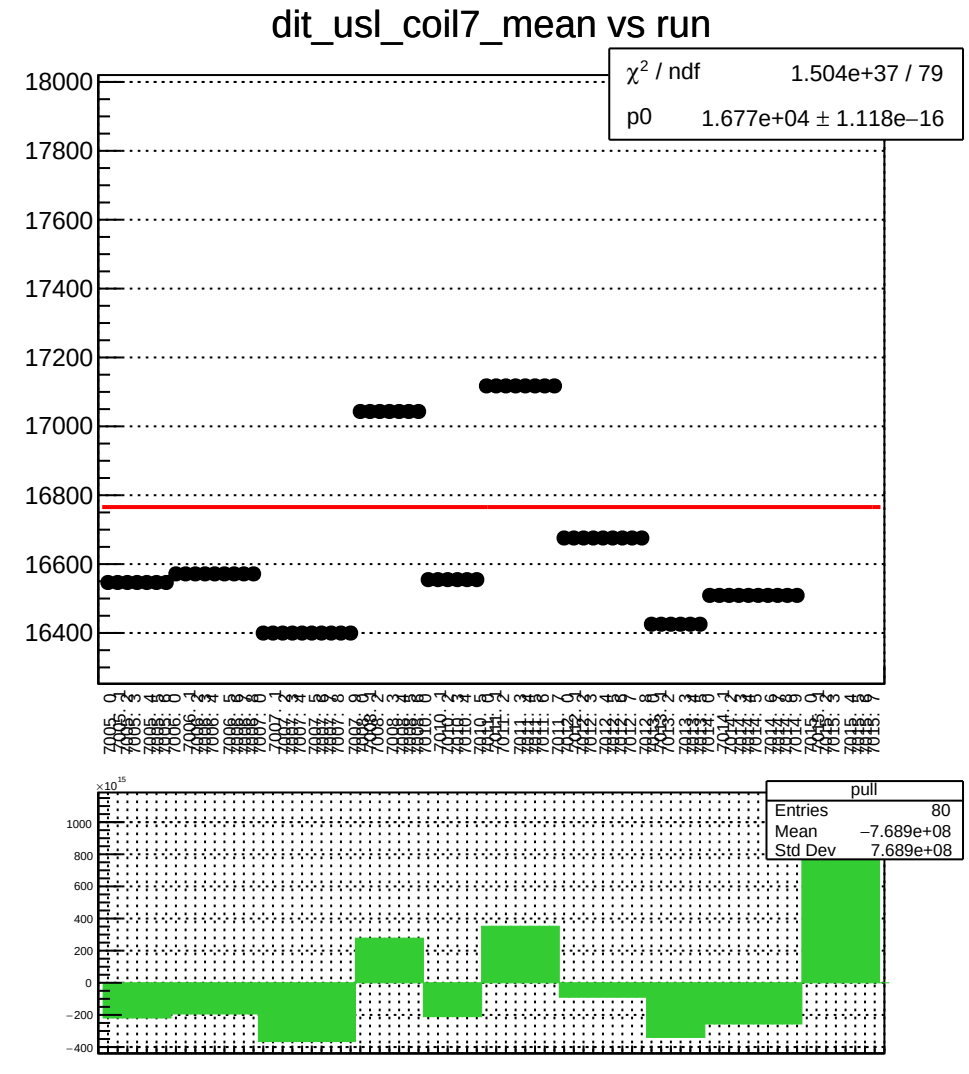

dit_4eY_coil7_mean vs run
χ² / ndf 5.121e+31 / 79
p0 −9.385 ± 1.118e−16
−7.5
−8
−8.5
−9
−9.5
−10
−10.5
−11
pull
Entries 80
Mean 8.998e+08
Std Dev 8.998e+08
×10¹²
1500
1000
500
0
−500
−1000
−1500

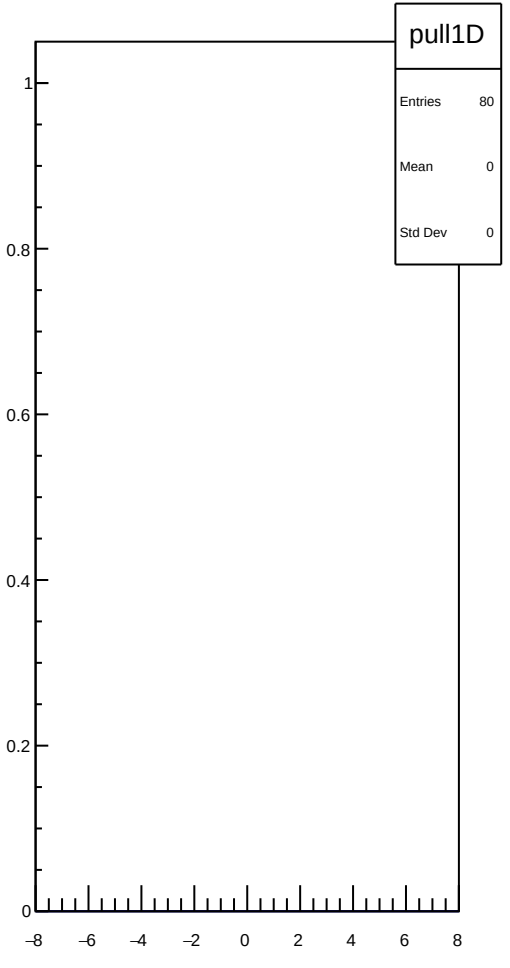

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

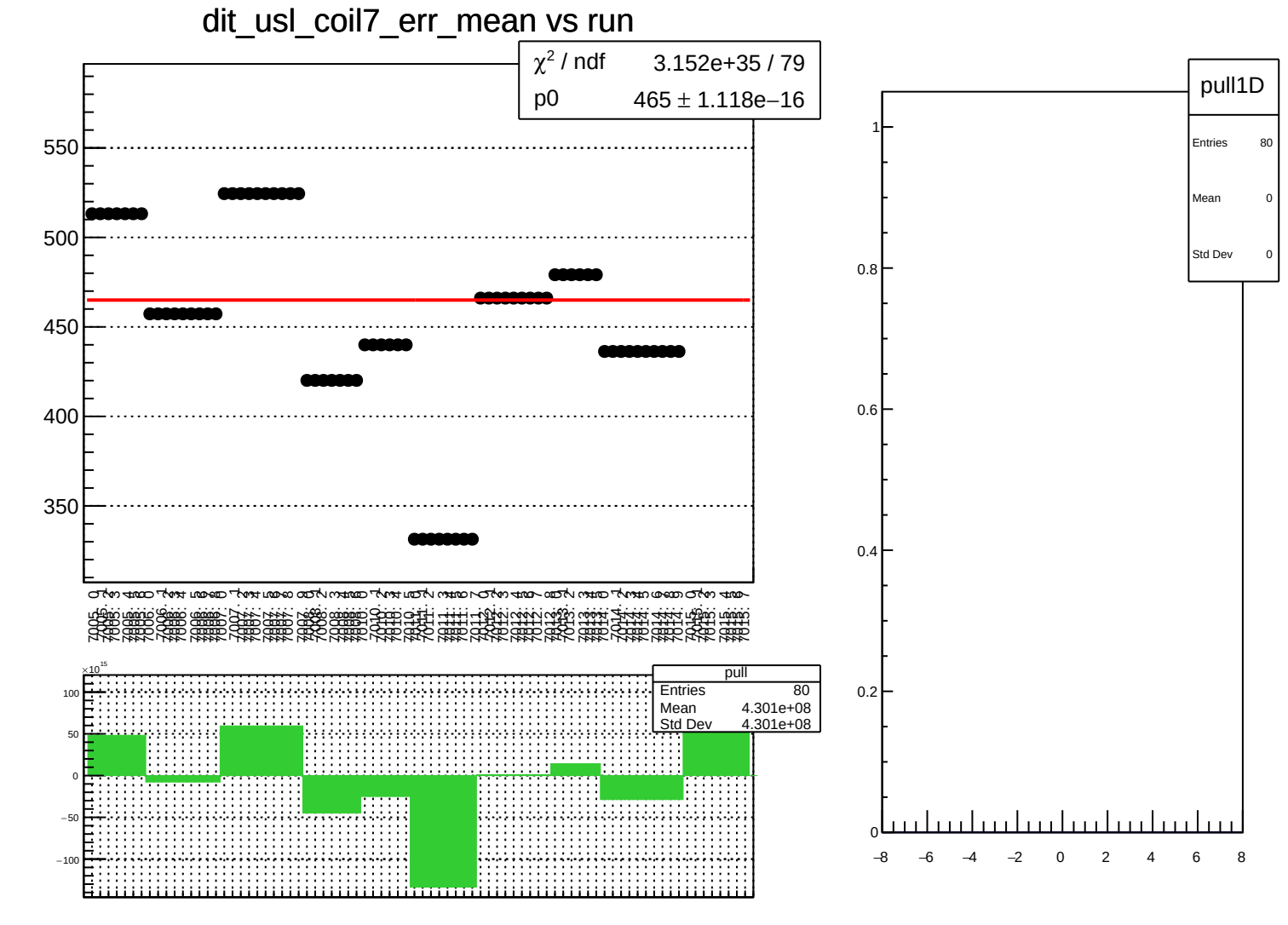

dit_4eY_coil7_err_mean vs run
χ² / ndf 6.249e+29 / 79
p0 1.283 ± 1.118e−16
pull
Entries 80
Mean −1.68e+09
Std Dev 1.68e+09

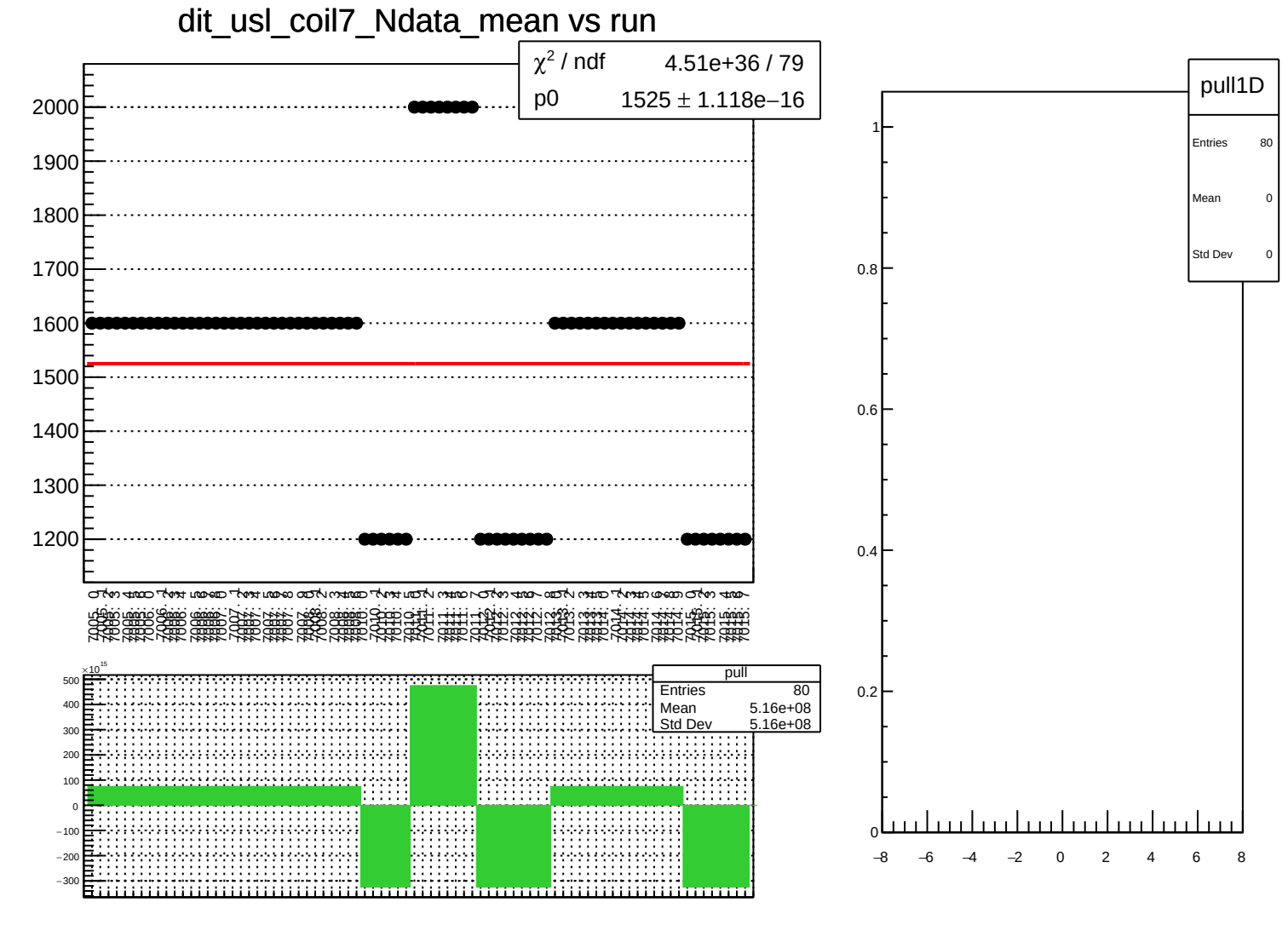

pull1D
Entries 80
Mean 0
Std Dev 0

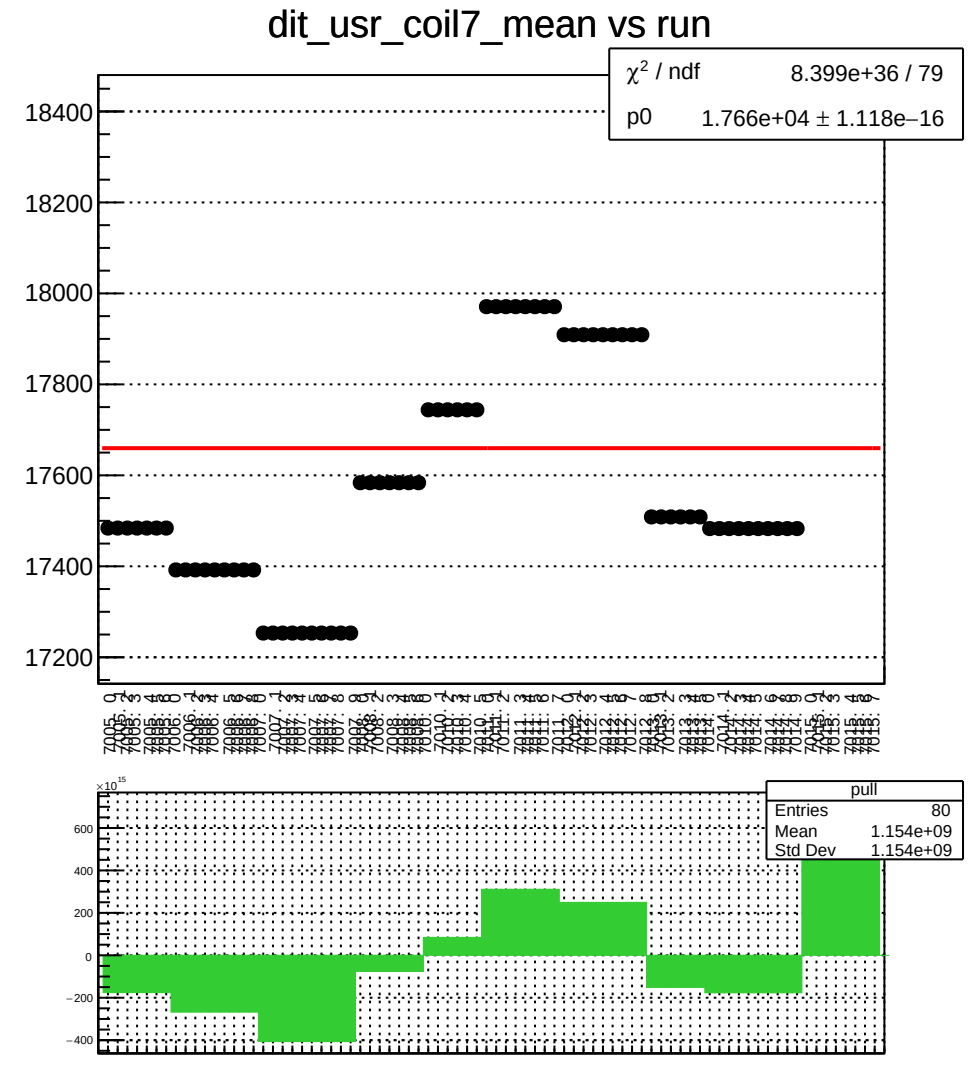

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

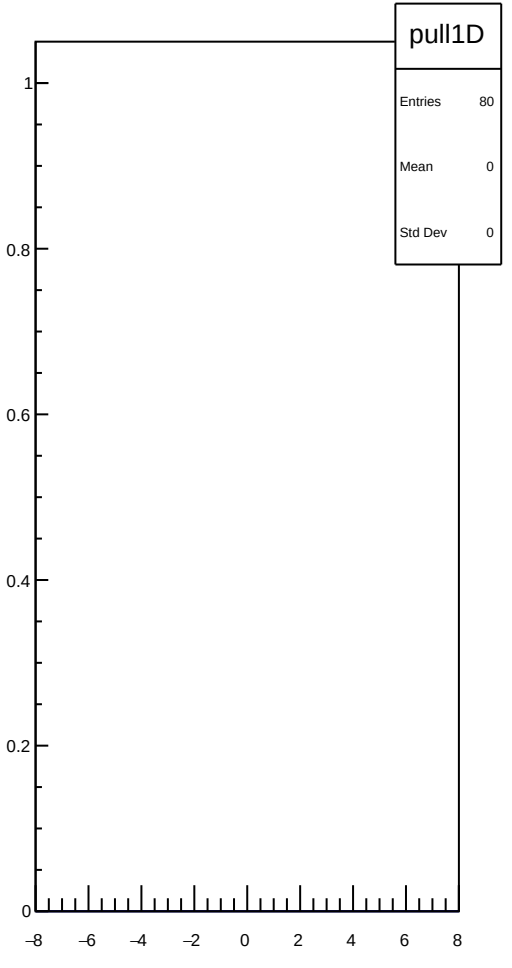

dit_usl_coil7_mean vs run
χ² / ndf 1.504e+37 / 79
p0 1.677e+04 ± 1.118e−16
18000
17800
17600
17400
17200
17000
16800
16600
16400
×10¹⁵
1000
800
600
400
200
0
−200
−400
pull
Entries 80
Mean −7.689e+08
Std Dev 7.689e+08

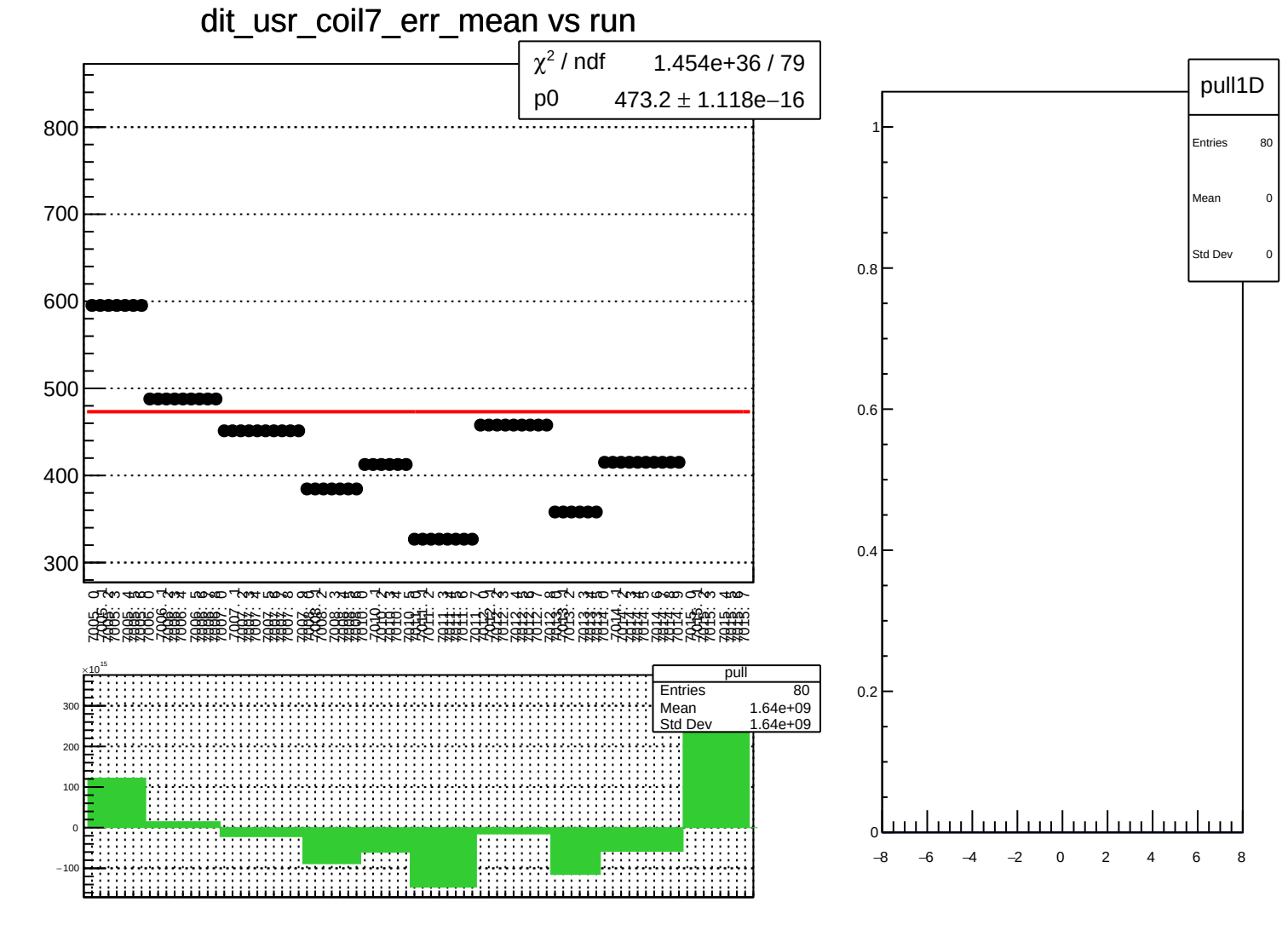

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

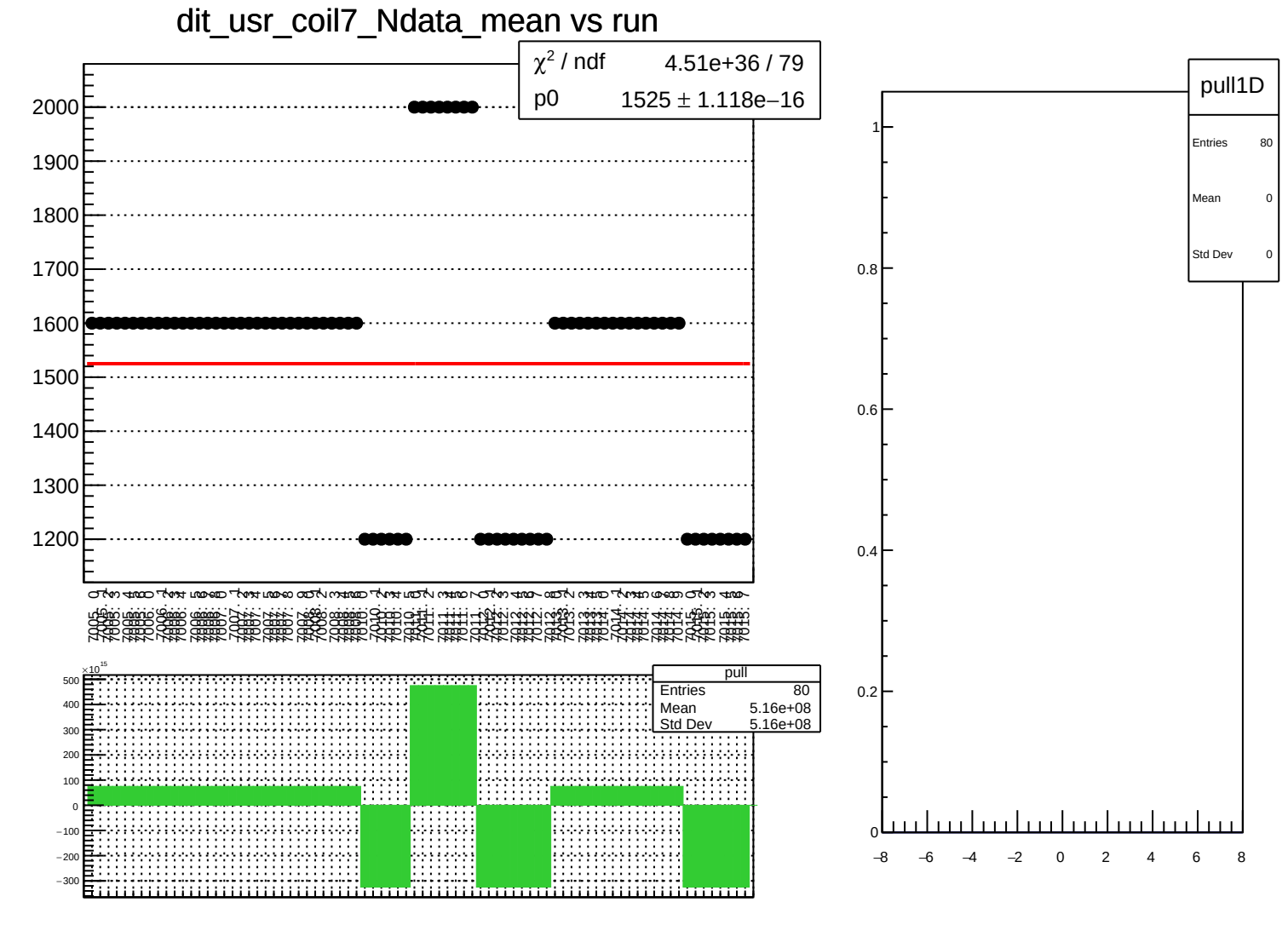

dit_usl_coil7_err_mean vs run
χ² / ndf 3.152e+35 / 79
p0 465 ± 1.118e−16
550
500
450
400
350
pull
Entries 80
Mean 4.301e+08
Std Dev 4.301e+08
×10¹⁵
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

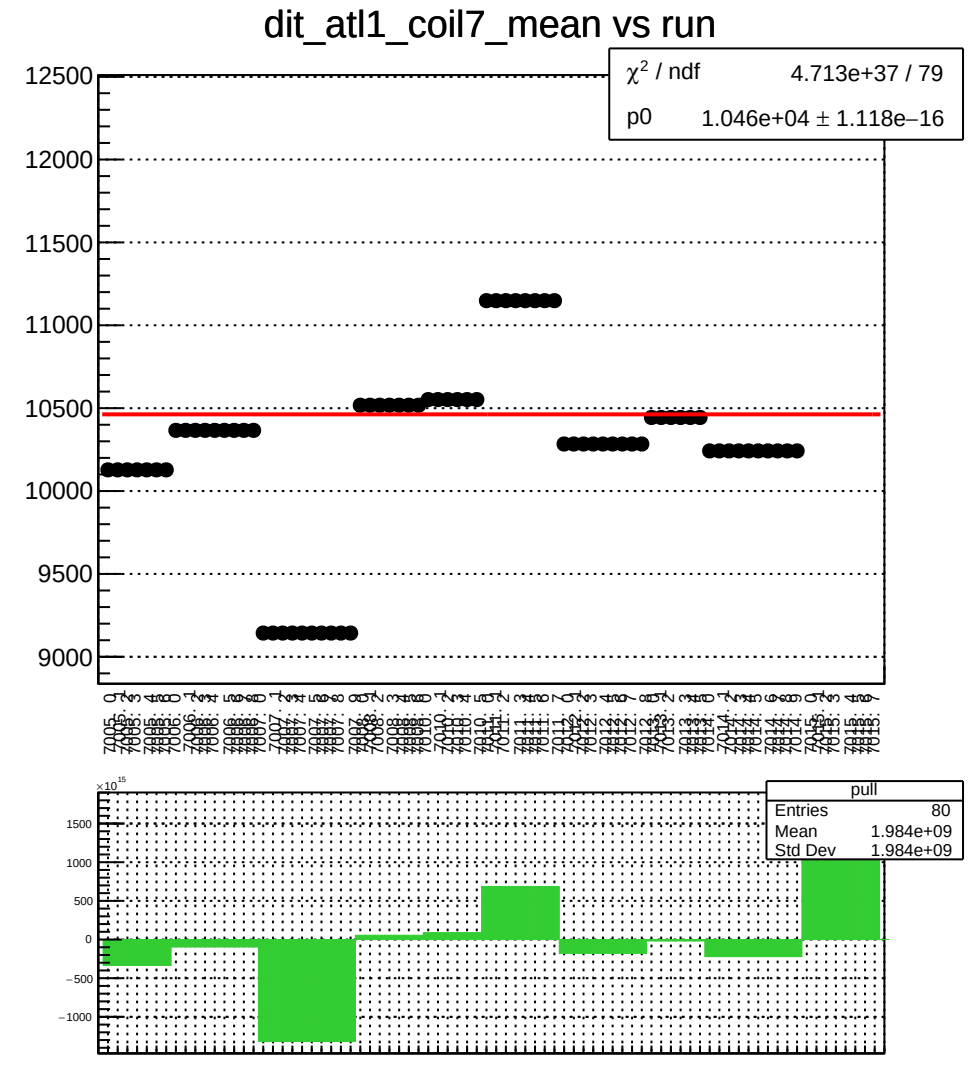

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

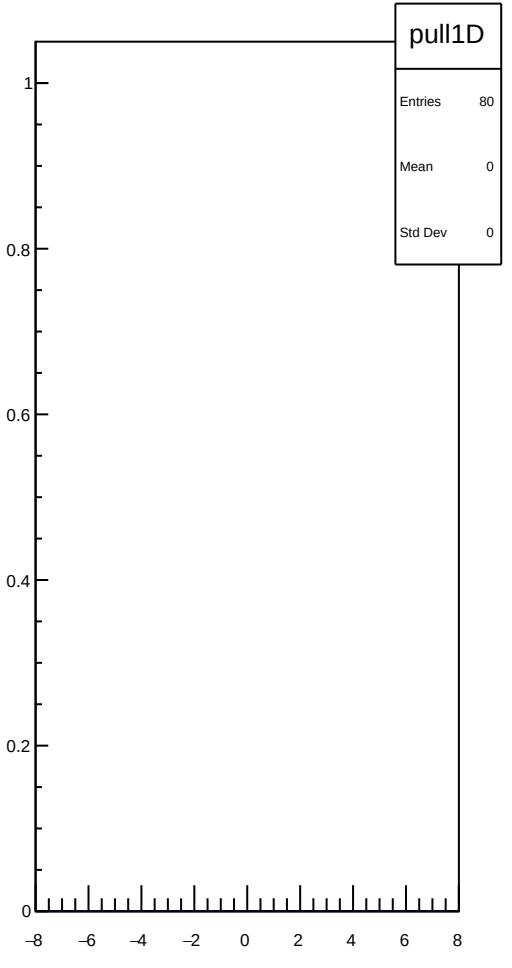

dit_usr_coil7_mean vs run
χ² / ndf 8.399e+36 / 79
p0 1.766e+04 ± 1.118e−16
18400
18200
18000
17800
17600
17400
17200
×10¹⁵
600
400
200
0
−200
−400
pull
Entries 80
Mean 1.154e+09
Std Dev 1.154e+09

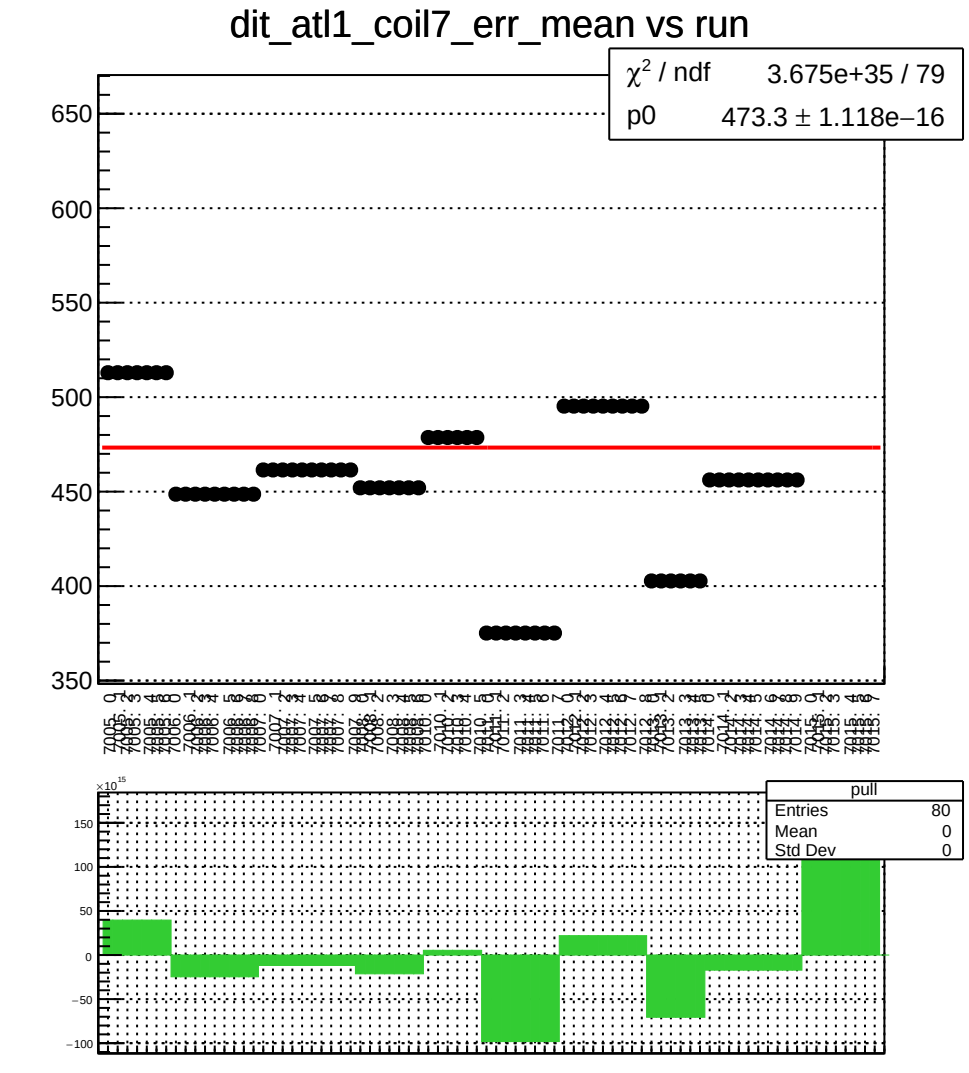

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

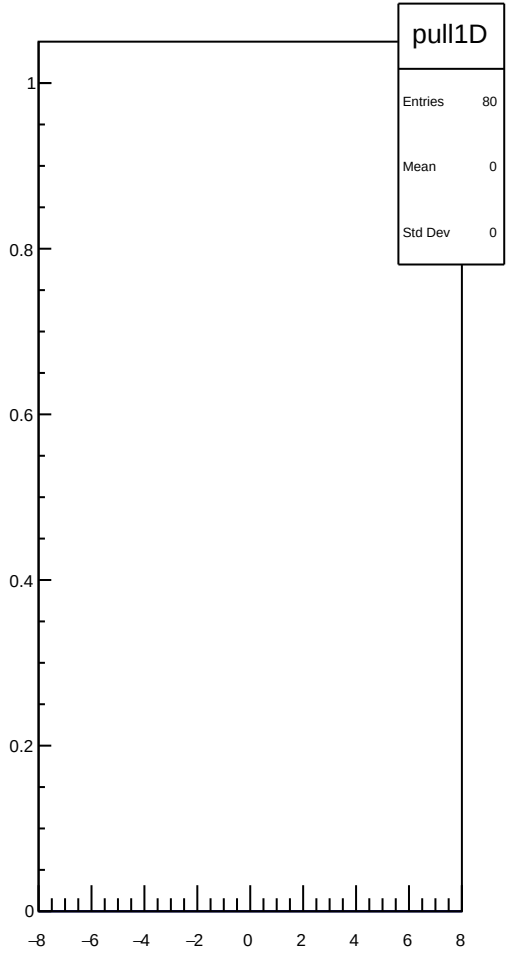

dit_usr_coil7_err_mean vs run
χ² / ndf 1.454e+36 / 79
p0 473.2 ± 1.118e−16
800
700
600
500
400
300
pull
Entries 80
Mean 1.64e+09
Std Dev 1.64e+09
×10¹⁵
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

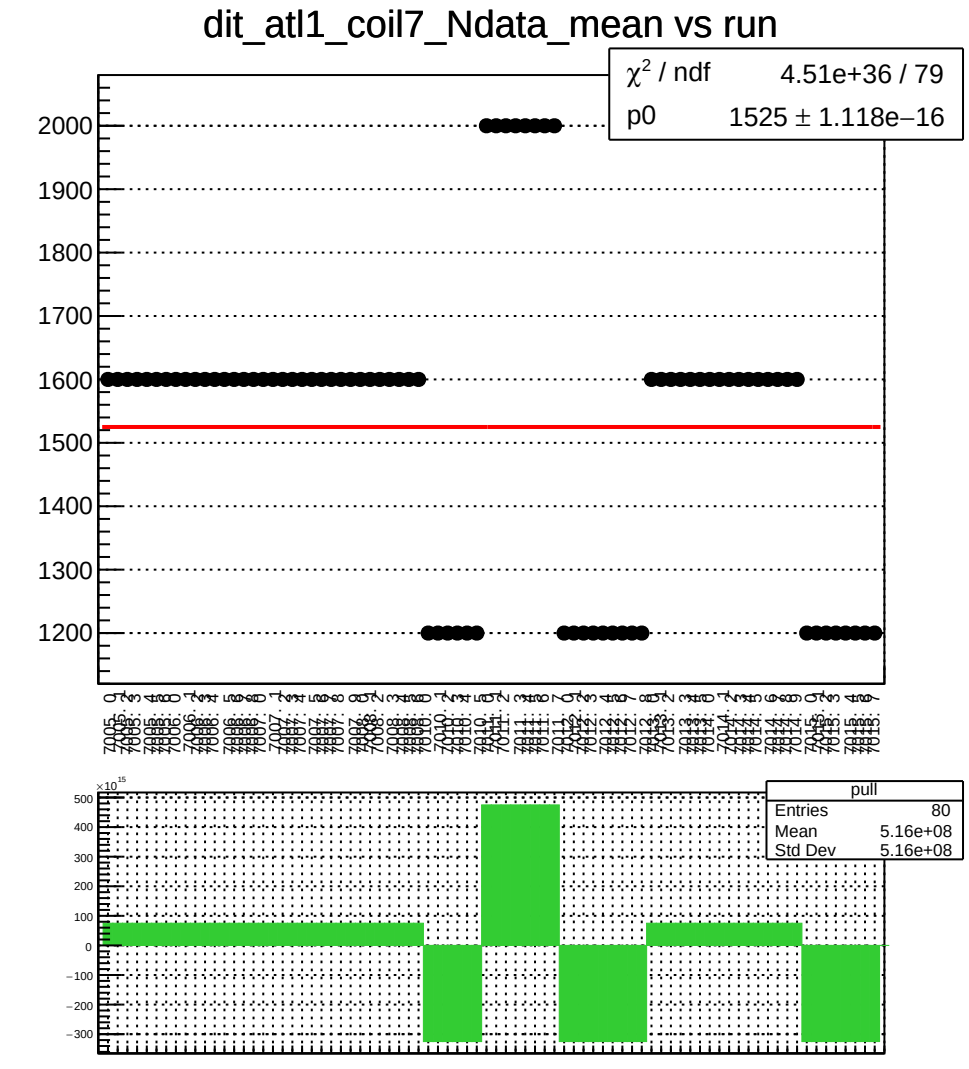

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

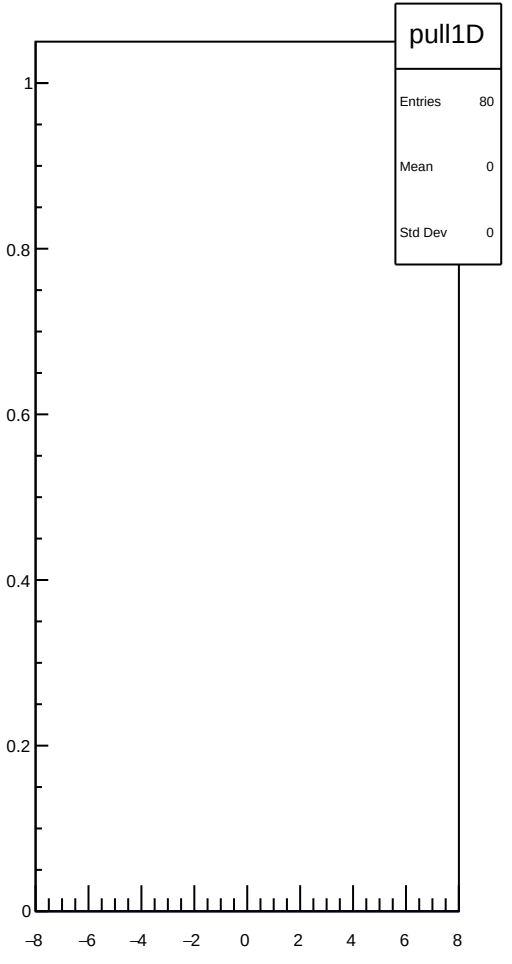

dit_atl1_coil7_mean vs run
χ² / ndf 4.713e+37 / 79
p0 1.046e+04 ± 1.118e−16
12500
12000
11500
11000
10500
10000
9500
9000
×10¹⁵
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean 1.984e+09
Std Dev 1.984e+09

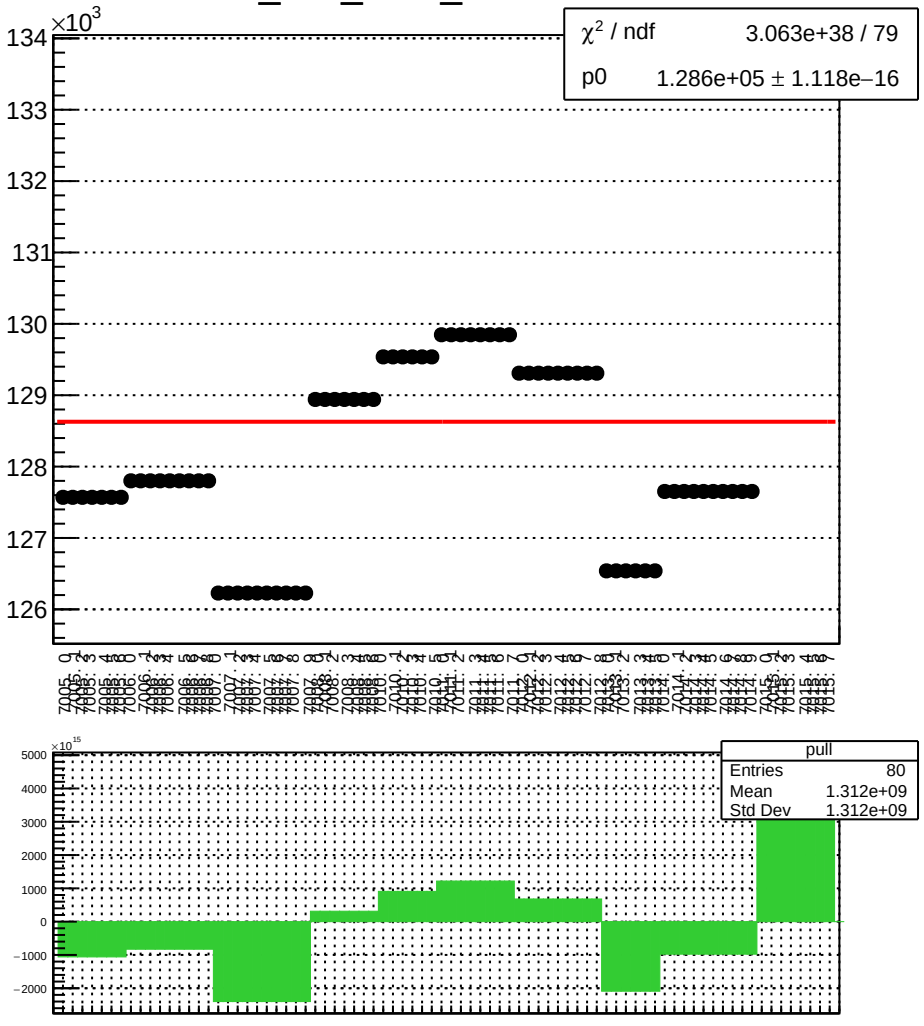

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

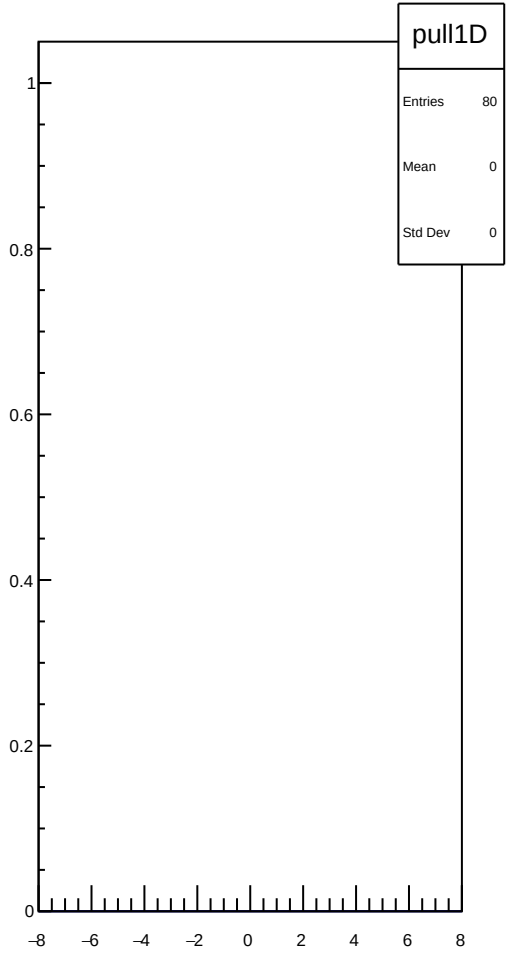

dit_atl1_coil7_err_mean vs run
χ² / ndf 3.675e+35 / 79
p0 473.3 ± 1.118e−16
650
600
550
500
450
400
350
pull
Entries 80
Mean 0
Std Dev 0
150
100
50
0
−50
−100

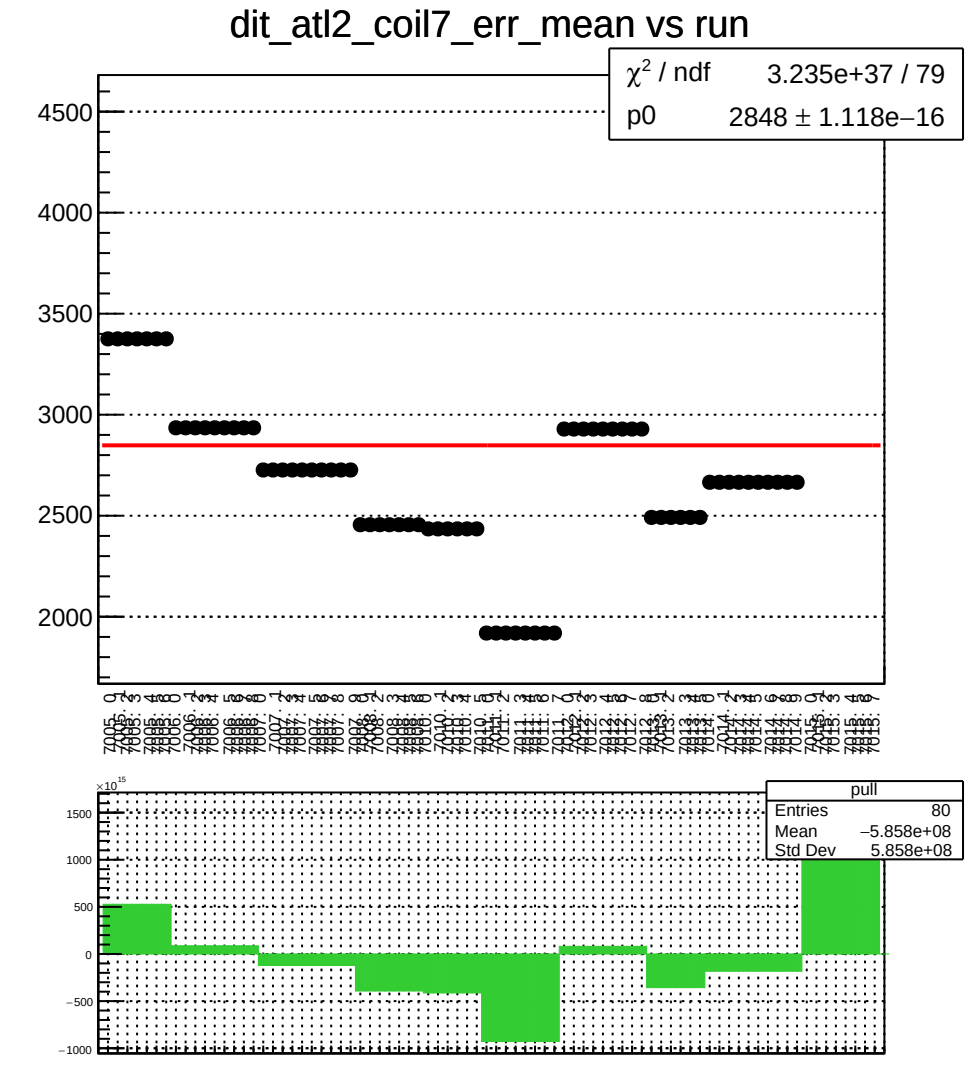

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

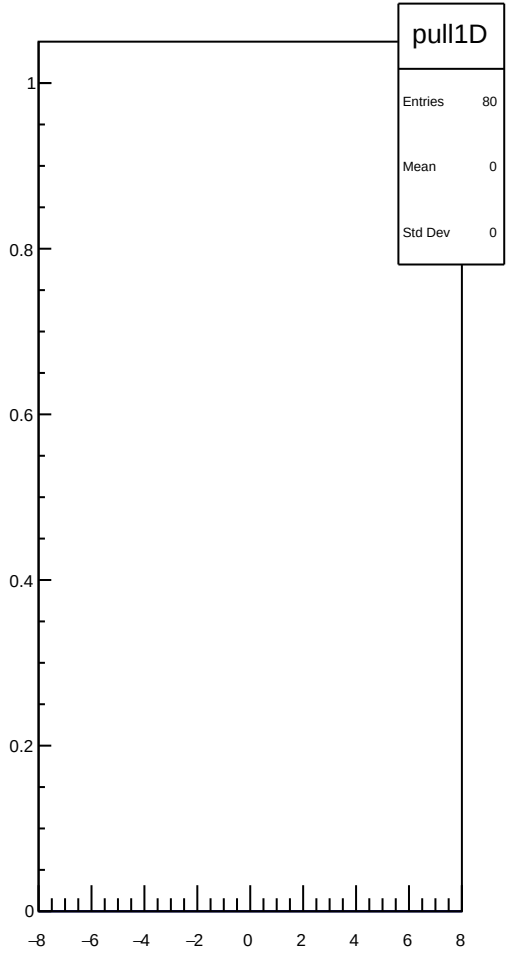

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

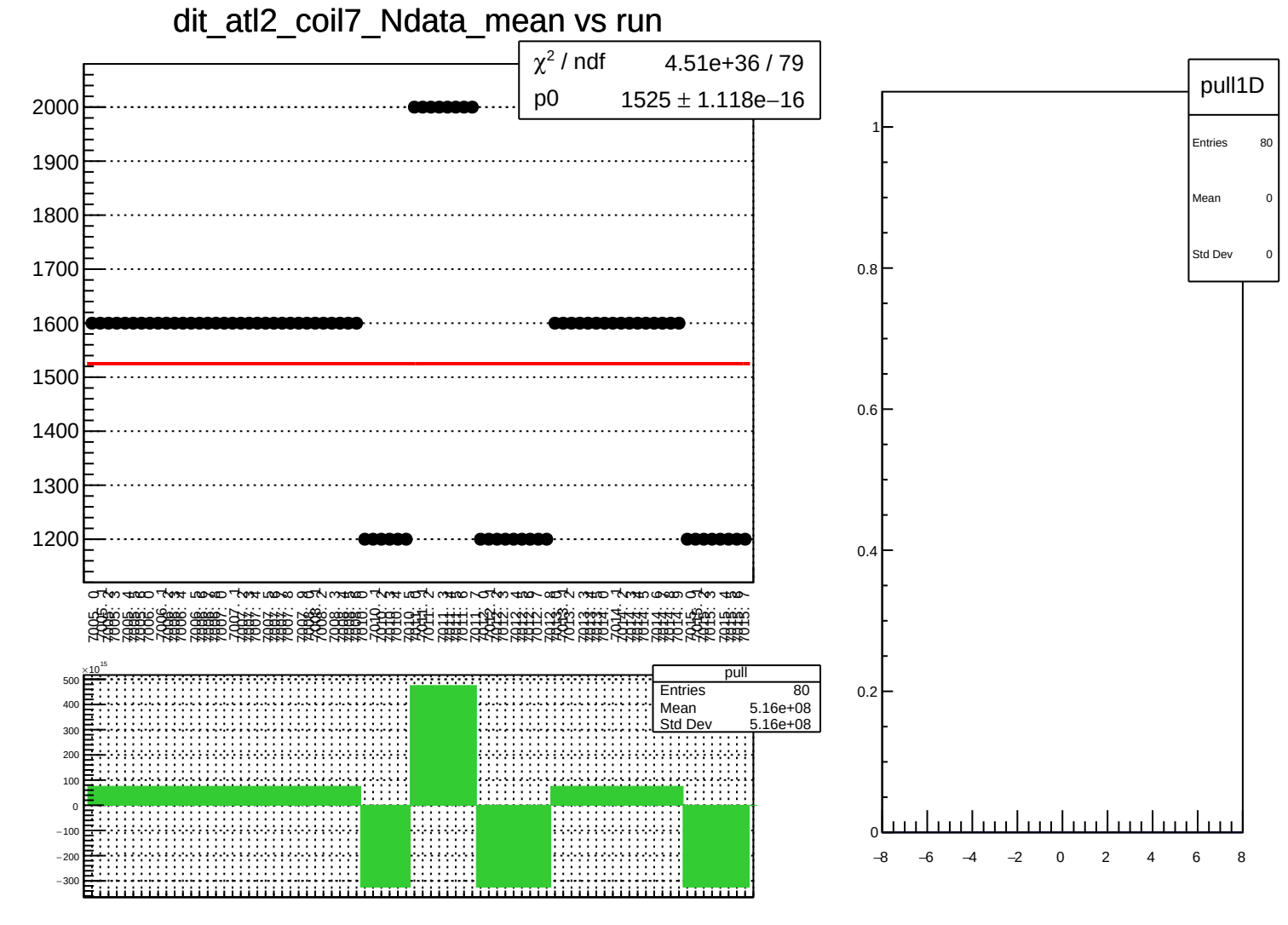

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

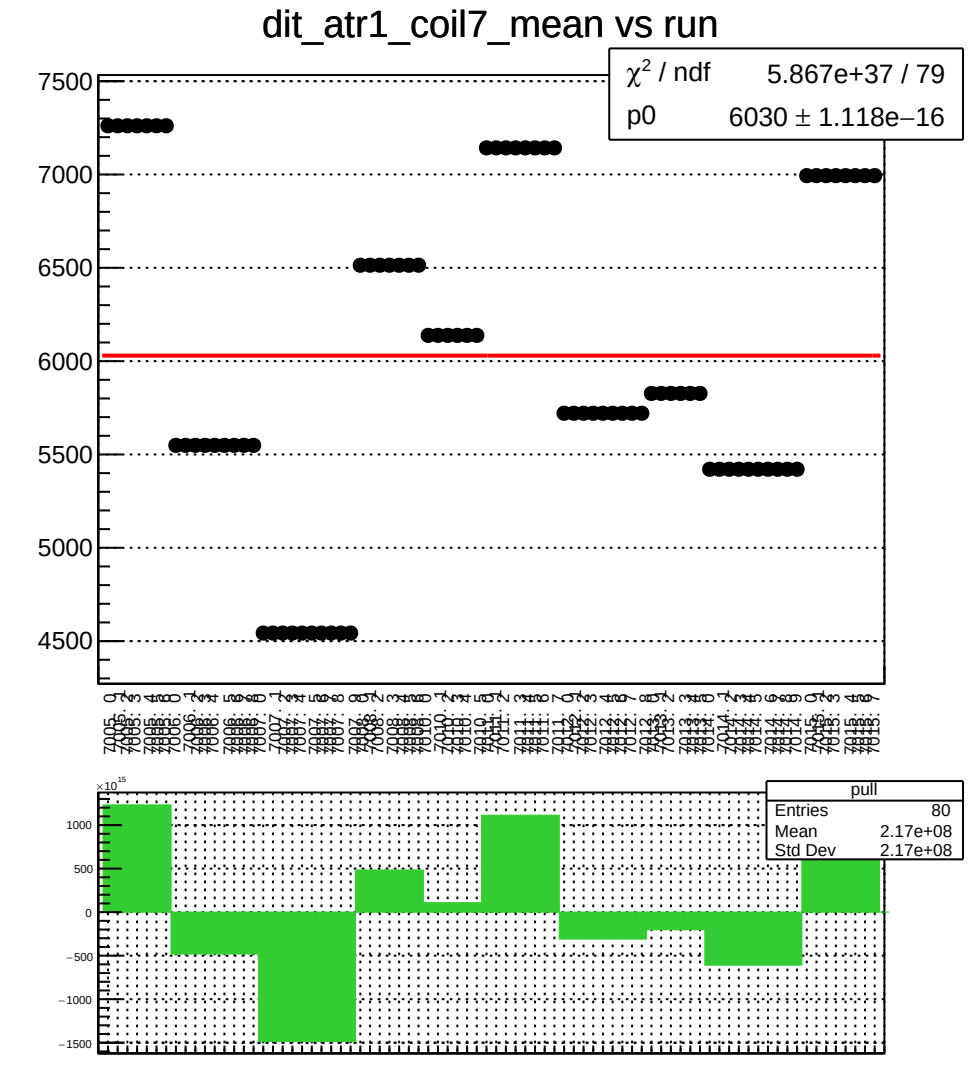

dit_atl2_coil7_mean vs run
χ² / ndf 3.063e+38 / 79
p0 1.286e+05 ± 1.118e−16
pull
Entries 80
Mean 1.312e+09
Std Dev 1.312e+09

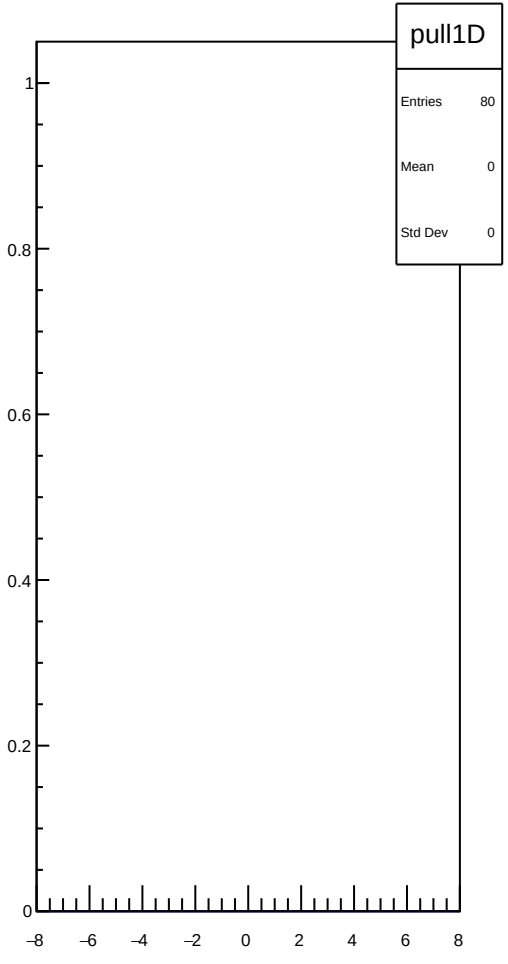

pull1D
Entries 80
Mean 0
Std Dev 0

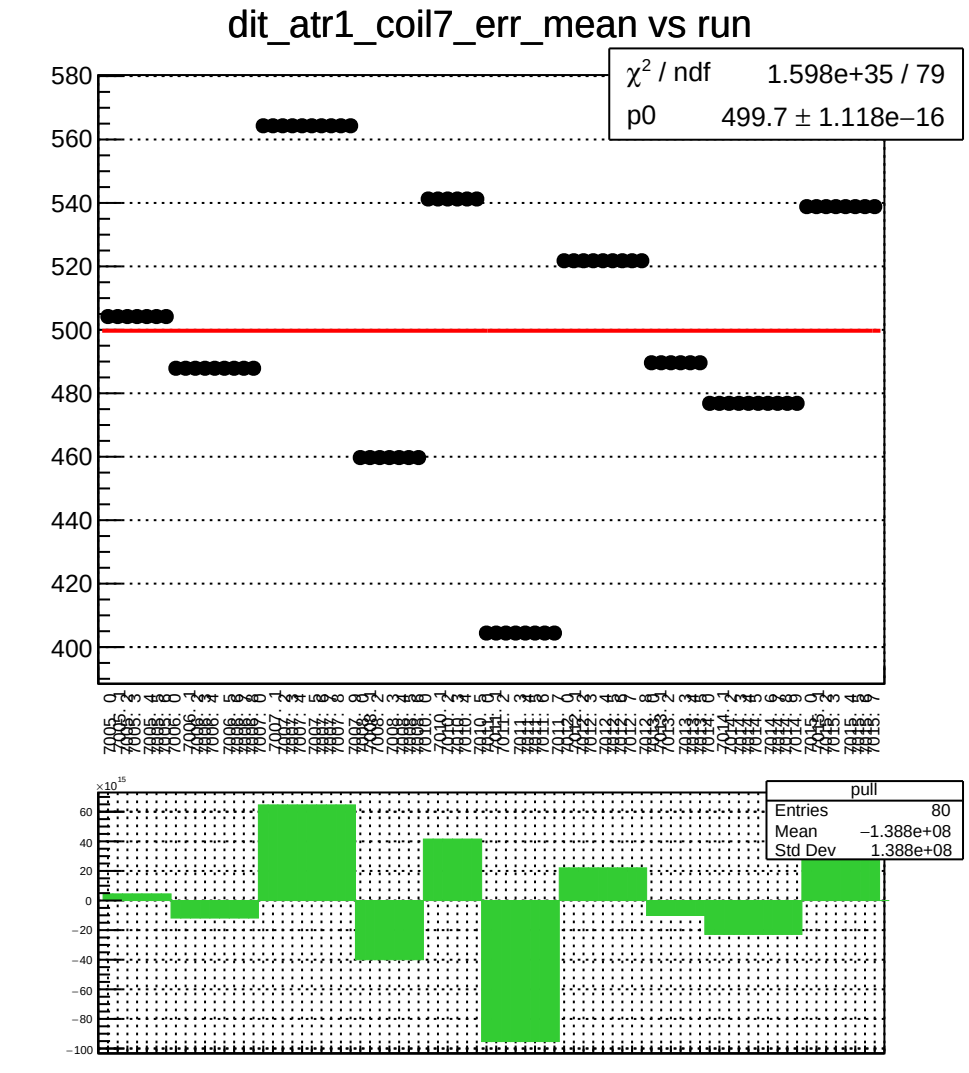

dit_atl2_coil7_err_mean vs run
χ² / ndf 3.235e+37 / 79
p0 2848 ± 1.118e−16
4500
4000
3500
3000
2500
2000
pull
Entries 80
Mean −5.858e+08
Std Dev 5.858e+08
×10¹⁵
1500
1000
500
0
−500
−1000

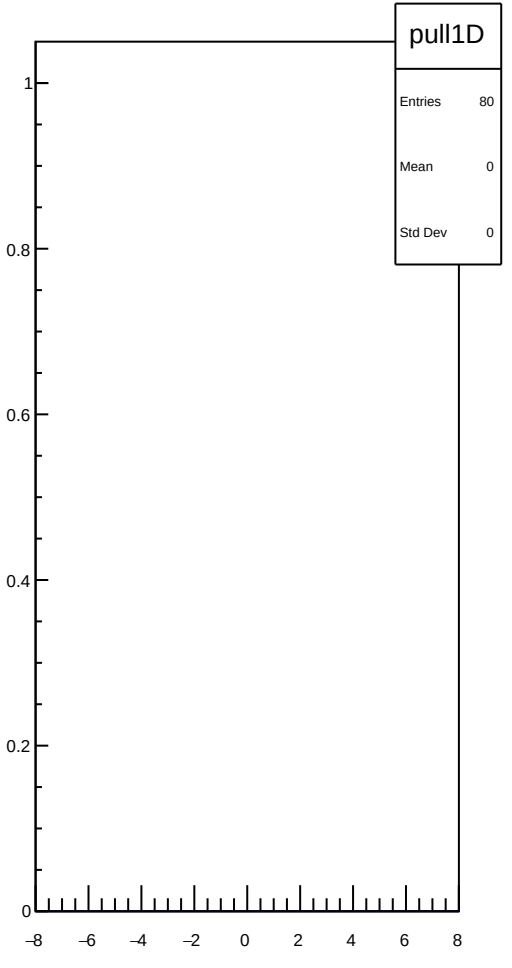

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

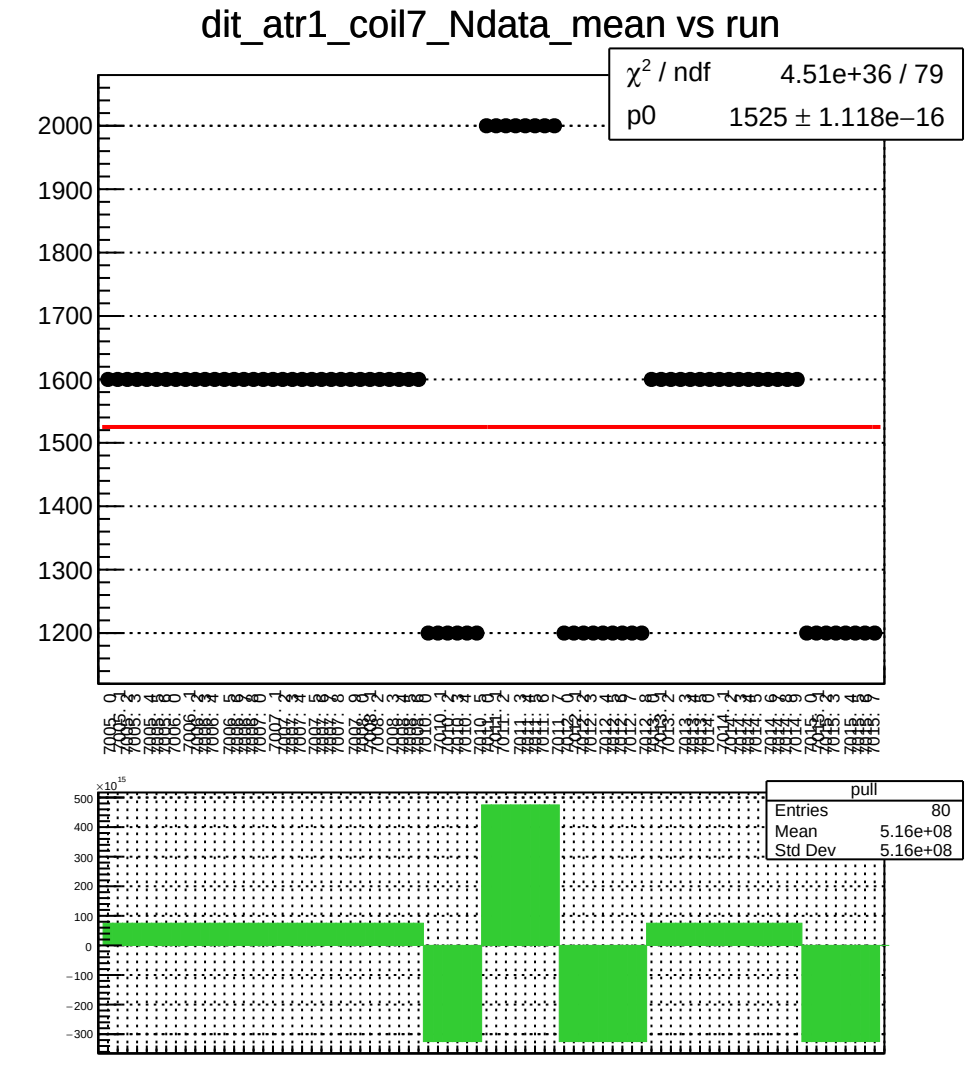

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

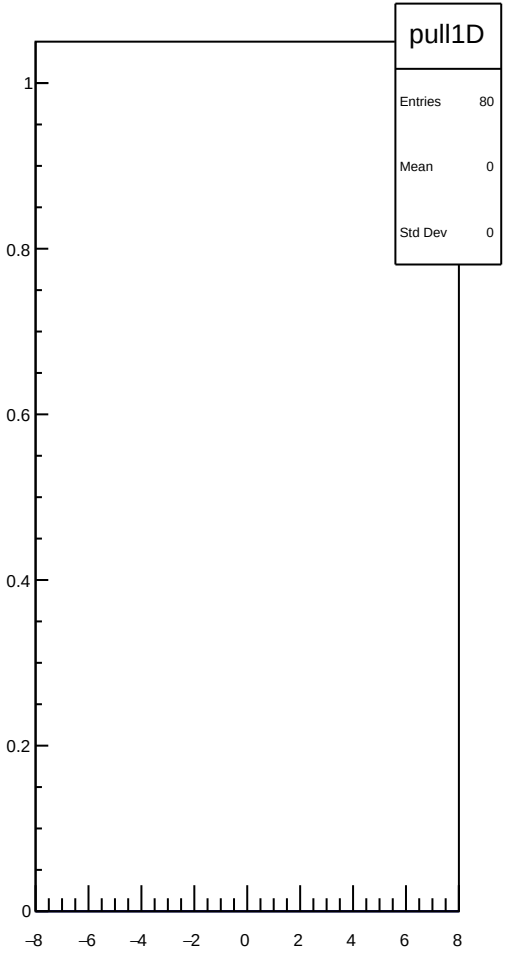

dit_atr1_coil7_mean vs run
χ² / ndf 5.867e+37 / 79
p0 6030 ± 1.118e−16
7500
7000
6500
6000
5500
5000
4500
pull
Entries 80
Mean 2.17e+08
Std Dev 2.17e+08
×10¹⁵
1000
500
0
−500
−1000
−1500

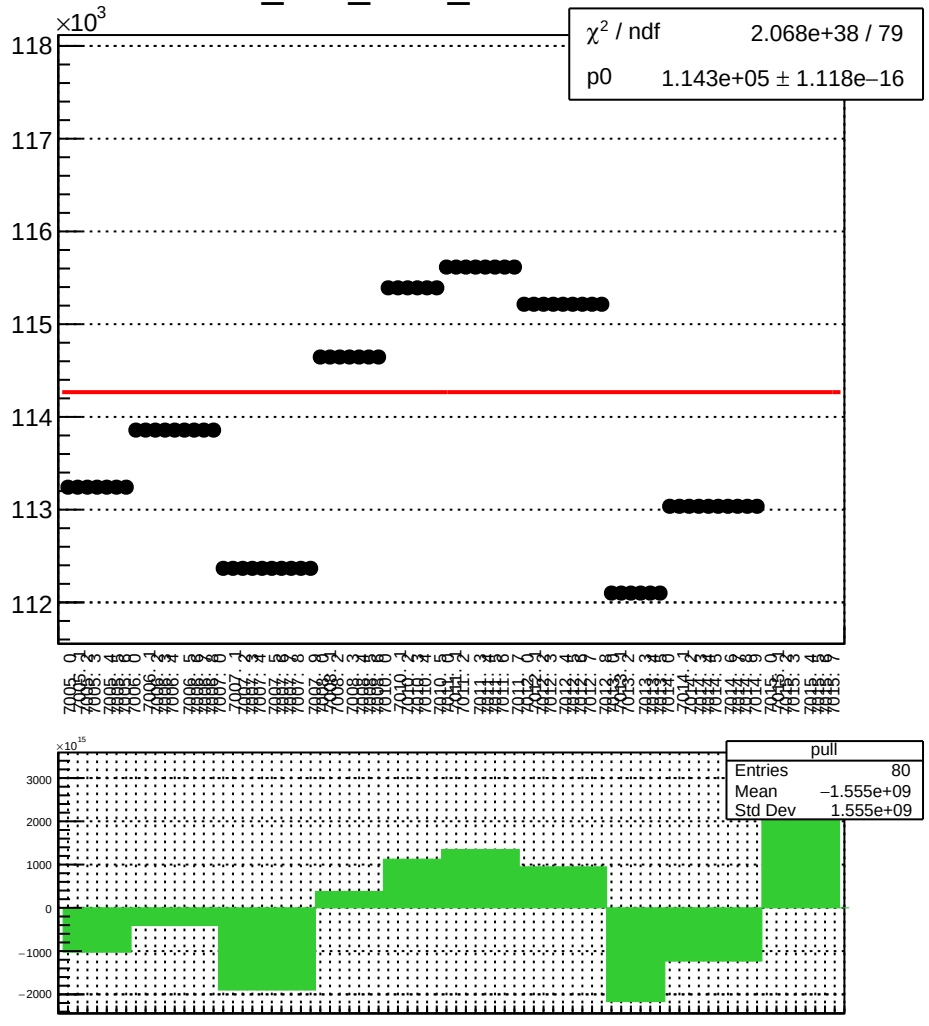

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

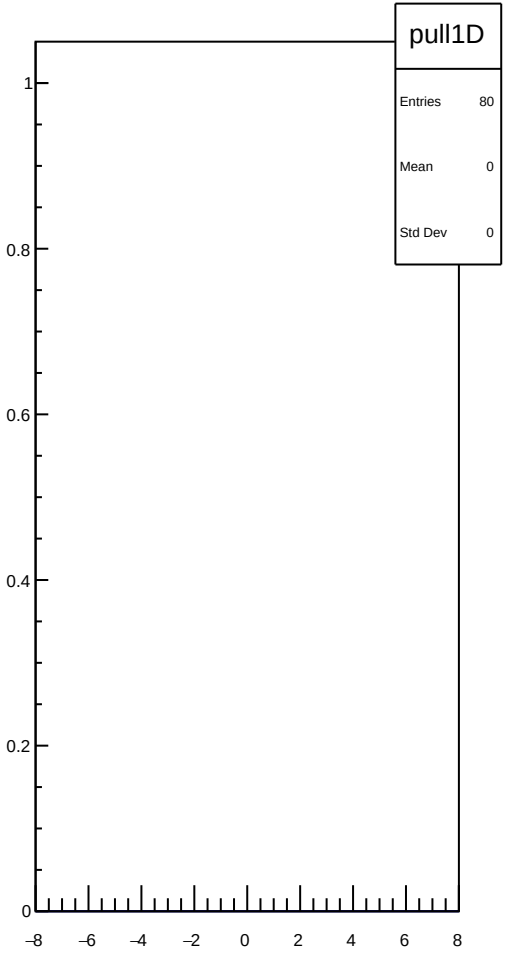

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.598e+35 / 79
p0 499.7 ± 1.118e−16
580
560
540
520
500
480
460
440
420
400
pull
Entries 80
Mean −1.388e+08
Std Dev 1.388e+08
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100

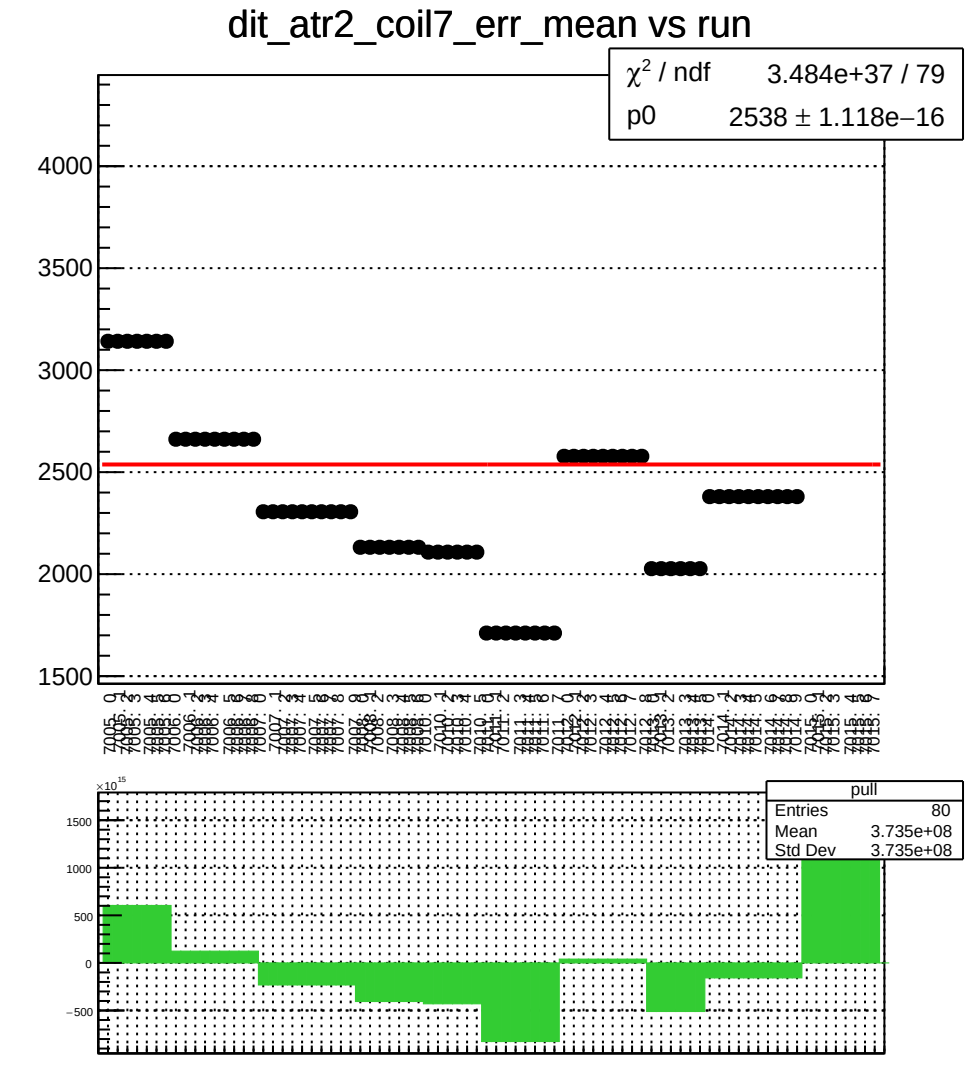

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

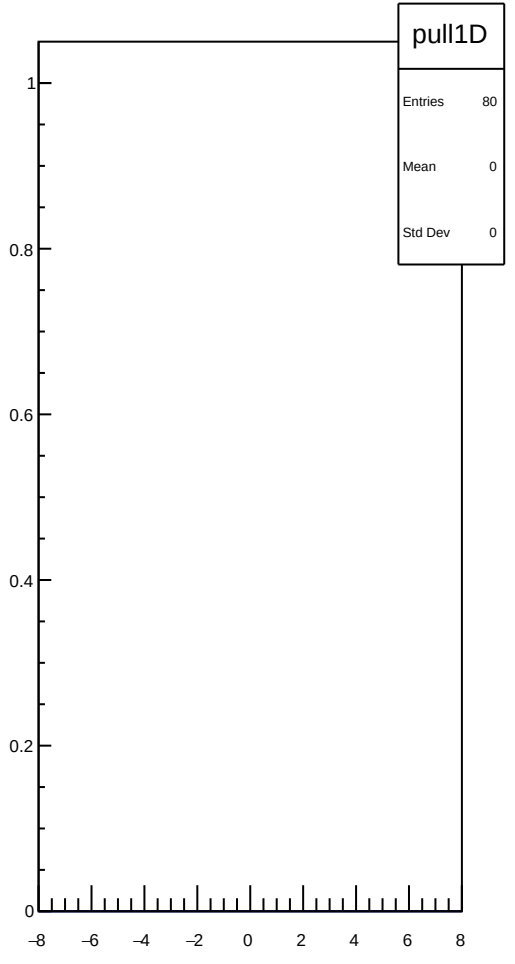

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08

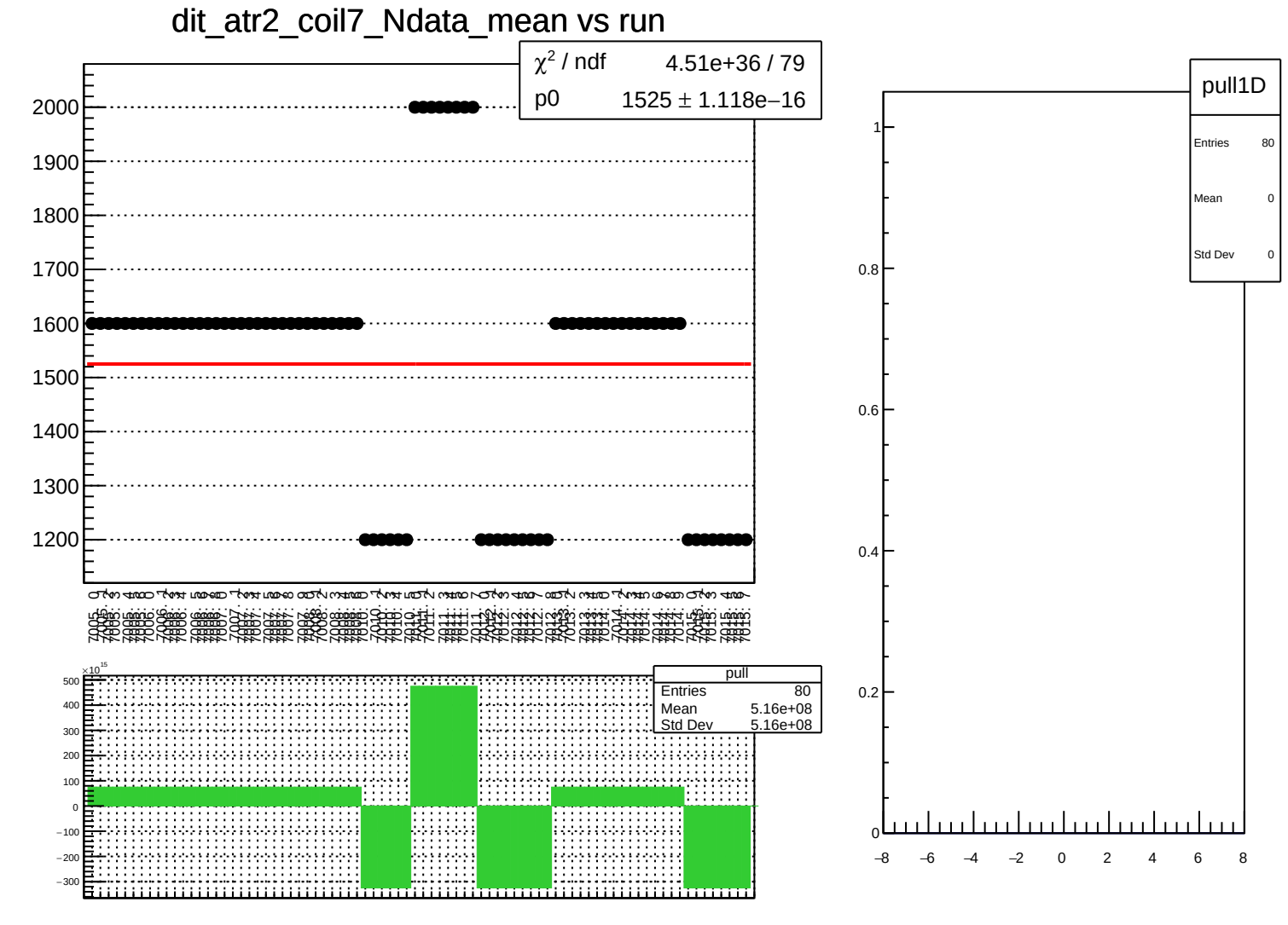

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

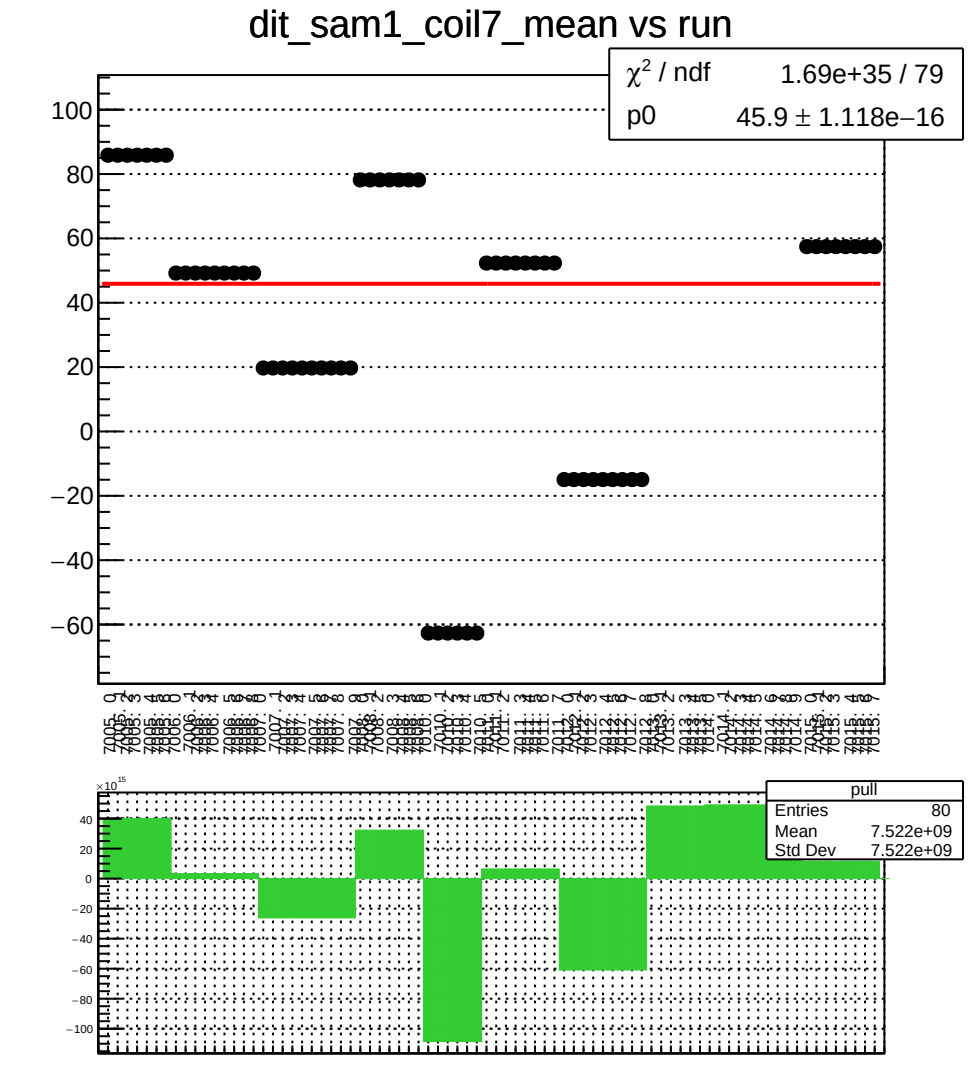

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf 2.068e+38 / 79
p0 1.143e+05 ± 1.118e−16
118
117
116
115
114
113
112
×10^15
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −1.555e+09
Std Dev 1.555e+09

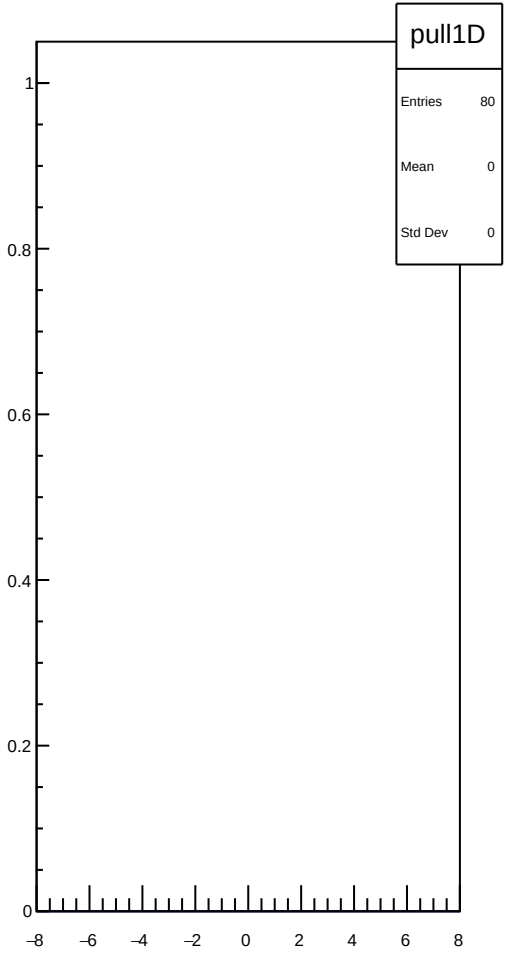

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

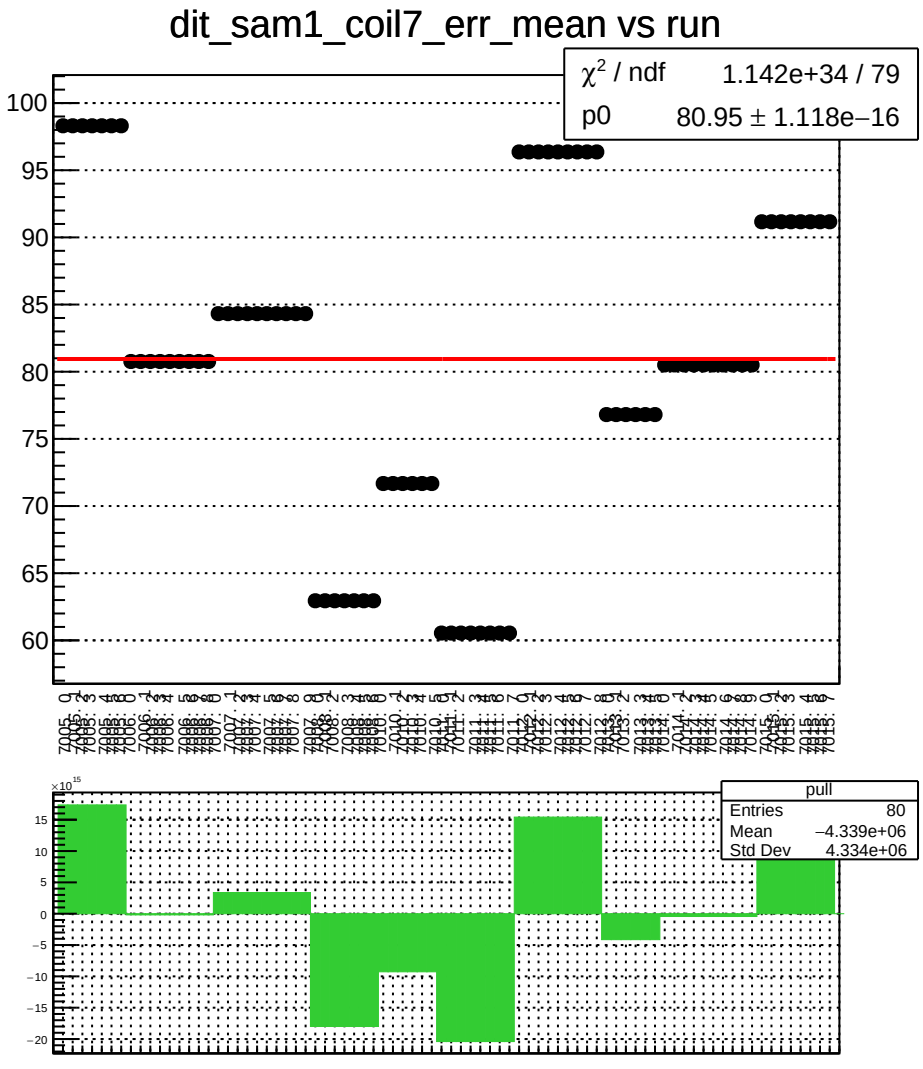

dit_atr2_coil7_err_mean vs run
χ² / ndf 3.484e+37 / 79
p0 2538 ± 1.118e−16
4000
3500
3000
2500
2000
1500
×10¹⁵
1500
1000
500
0
−500
pull
Entries 80
Mean 3.735e+08
Std Dev 3.735e+08

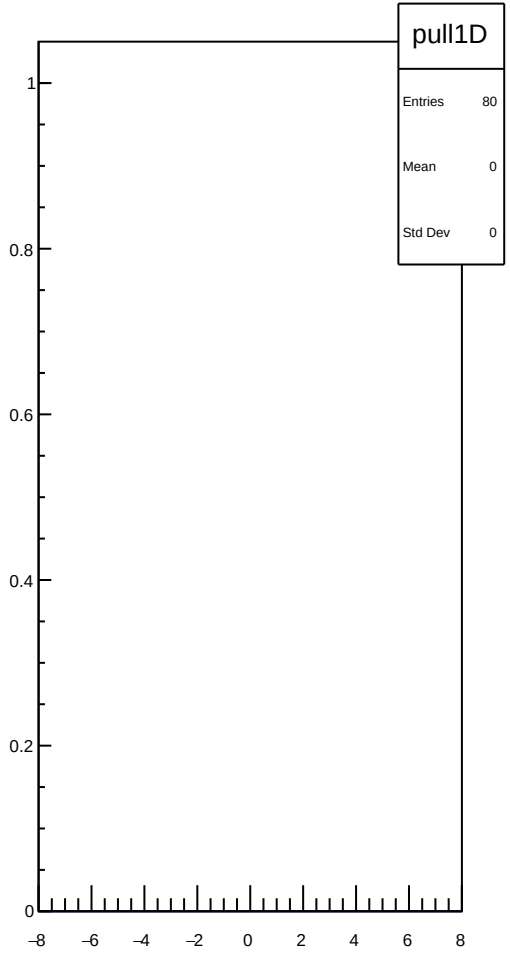

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

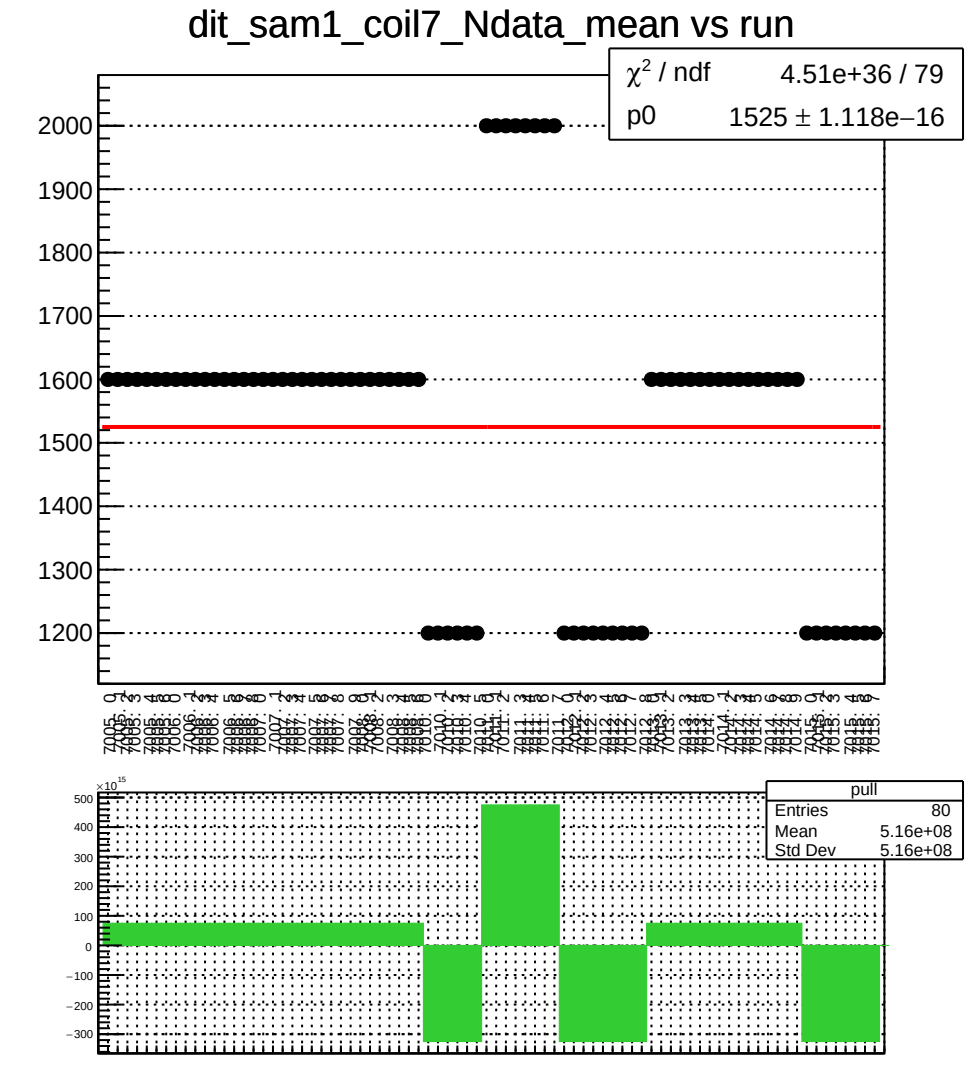

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

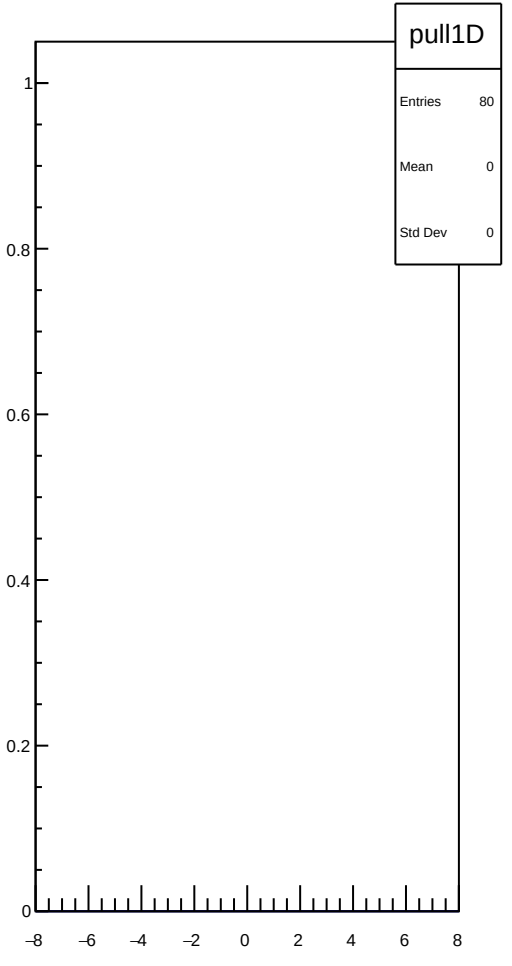

dit_sam1_coil7_mean vs run
χ² / ndf 1.69e+35 / 79
p0 45.9 ± 1.118e−16
pull
Entries 80
Mean 7.522e+09
Std Dev 7.522e+09

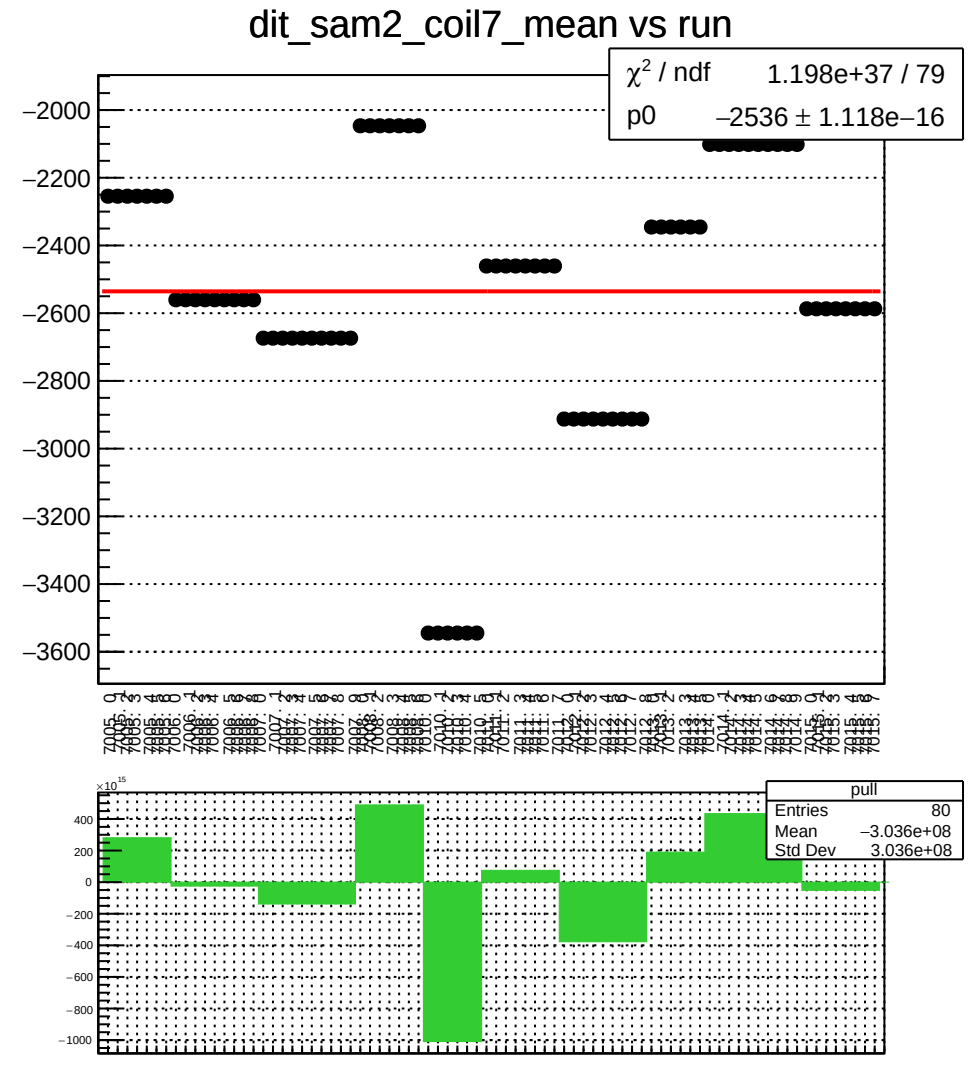

pull1D
Entries 80
Mean 0
Std Dev 0

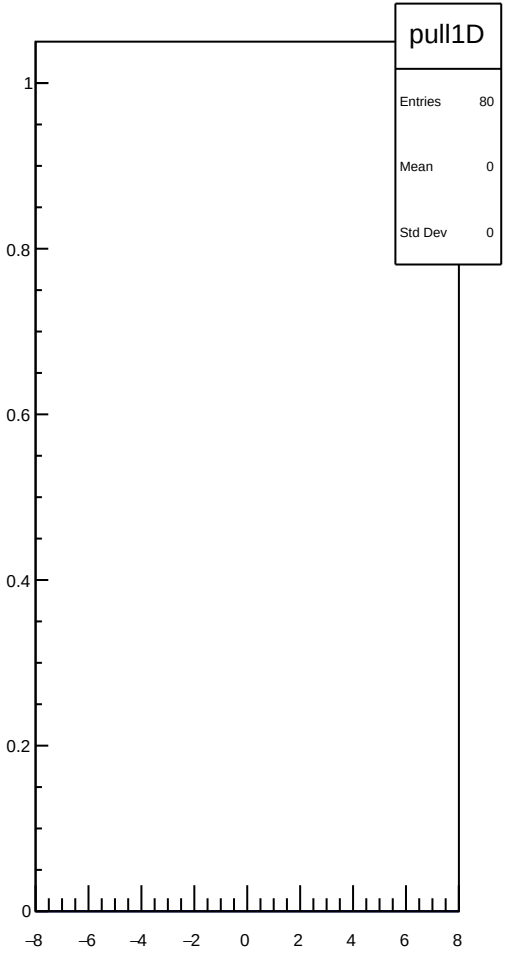

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.142e+34 / 79
p0 80.95 ± 1.118e−16
pull
Entries 80
Mean −4.339e+06
Std Dev 4.334e+06

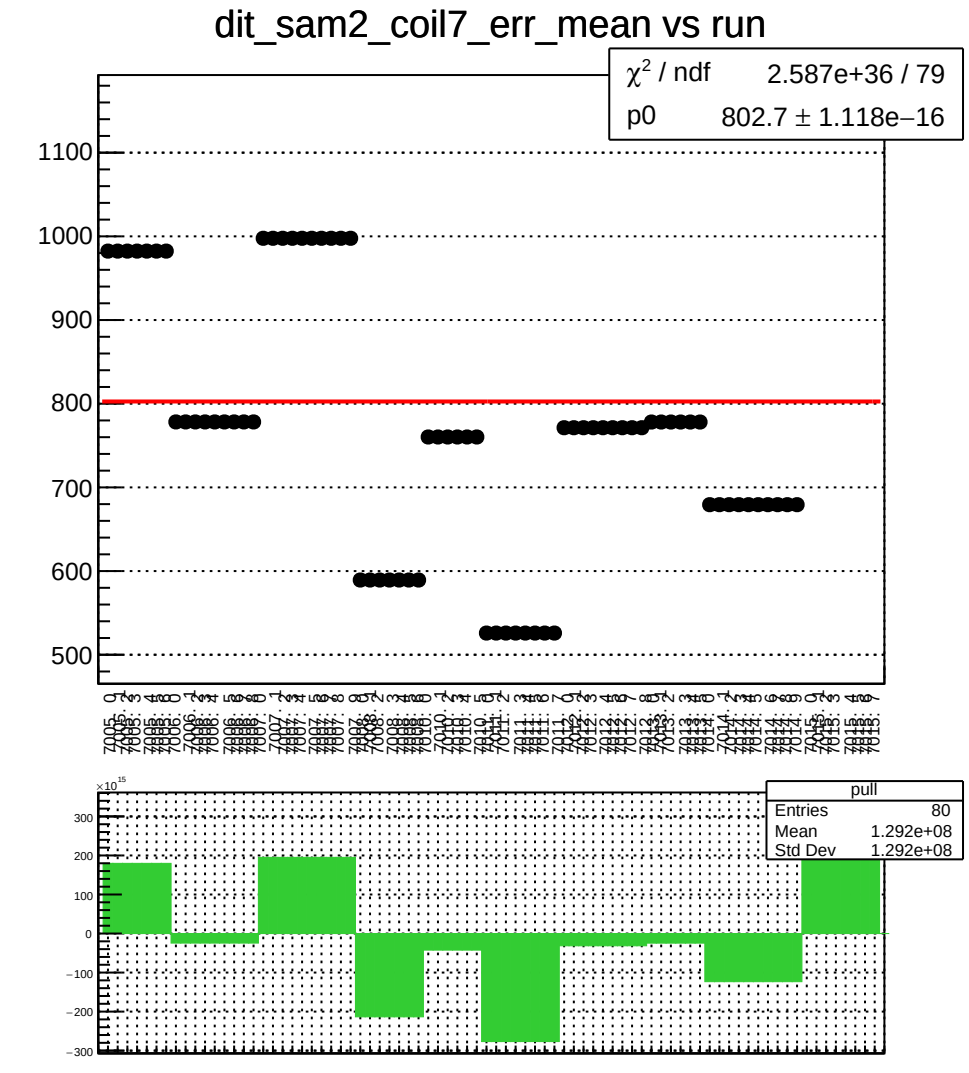

pull1D
Entries 80
Mean 0
Std Dev 0

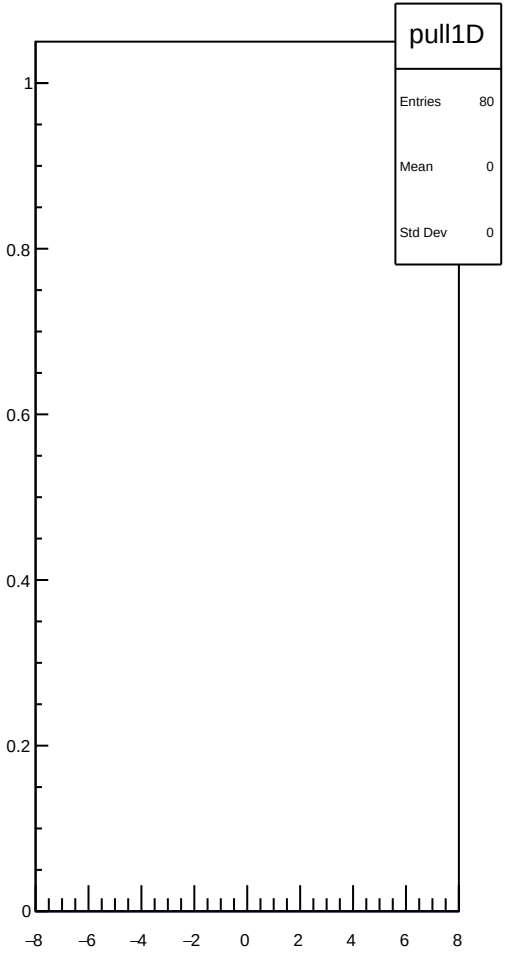

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

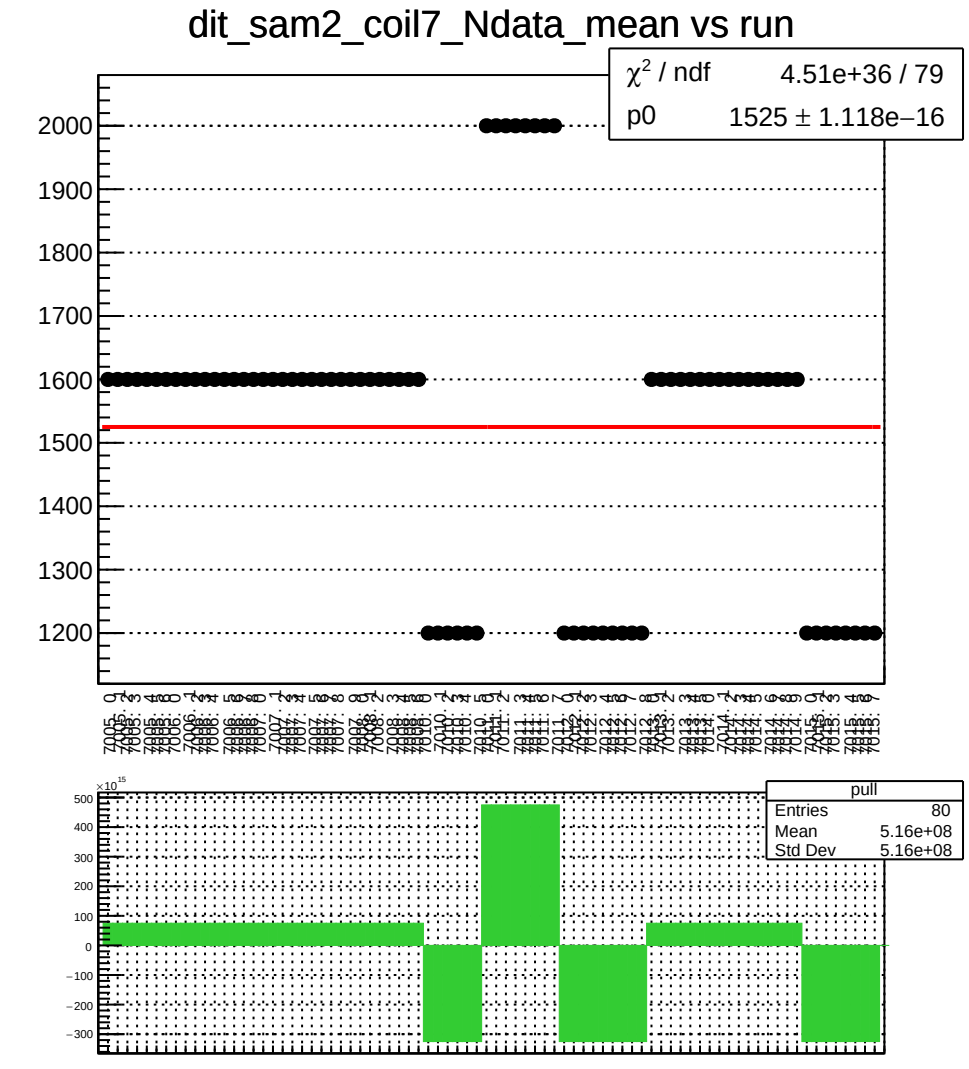

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

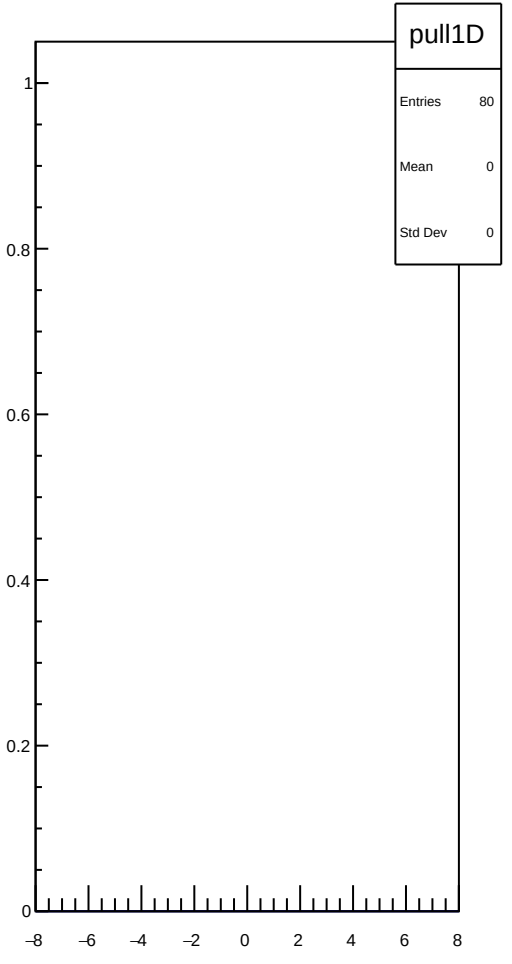

dit_sam2_coil7_mean vs run
χ² / ndf 1.198e+37 / 79
p0 −2536 ± 1.118e−16
−2000
−2200
−2400
−2600
−2800
−3000
−3200
−3400
−3600
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean −3.036e+08
Std Dev 3.036e+08

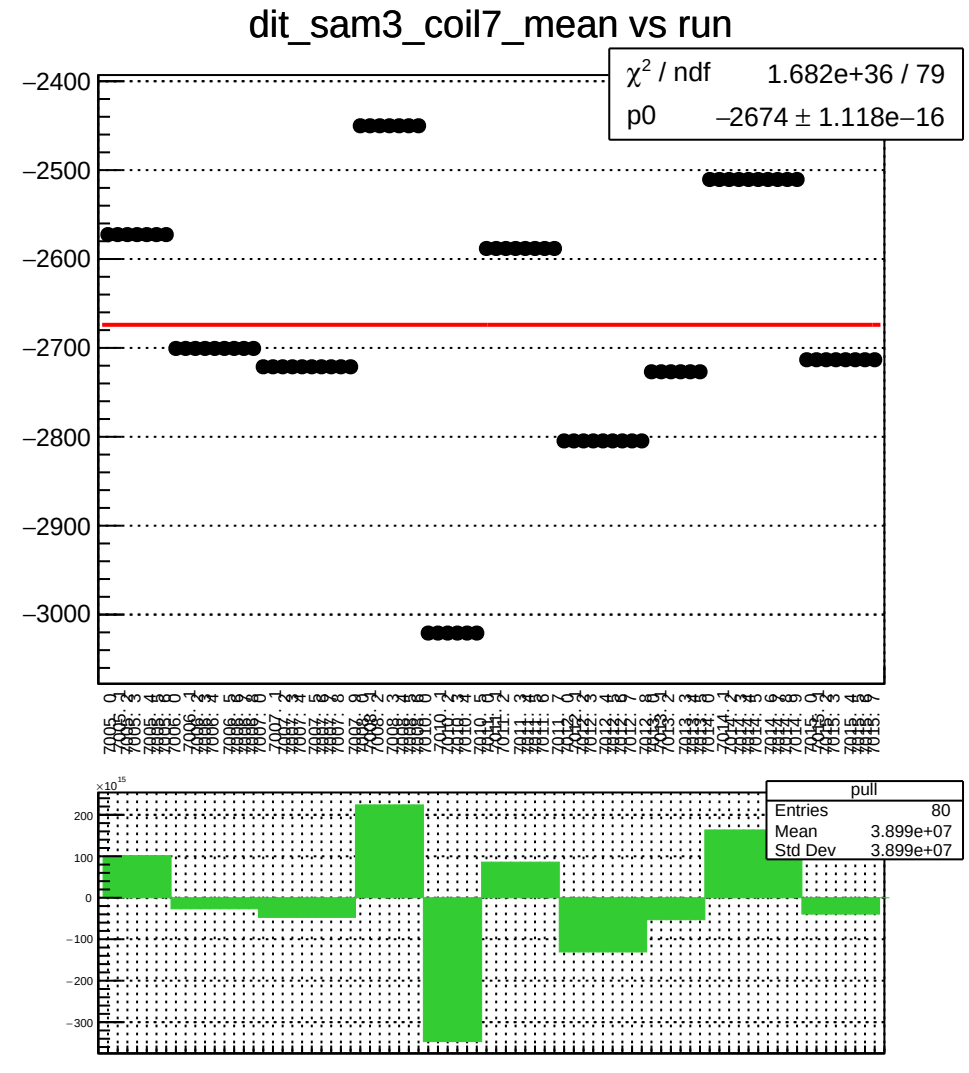

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

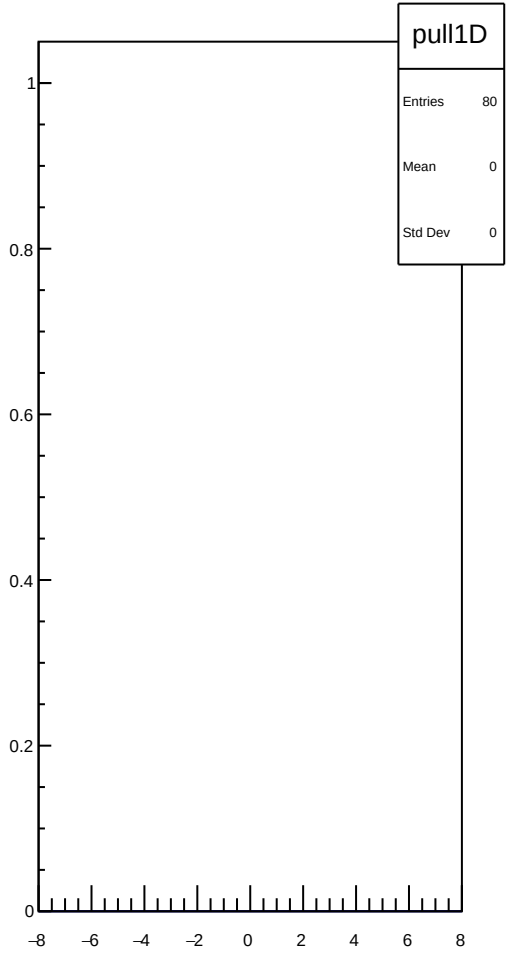

dit_sam2_coil7_err_mean vs run
χ² / ndf 2.587e+36 / 79
p0 802.7 ± 1.118e−16
1100
1000
900
800
700
600
500
pull
Entries 80
Mean 1.292e+08
Std Dev 1.292e+08
×10¹⁵
300
200
100
0
−100
−200
−300

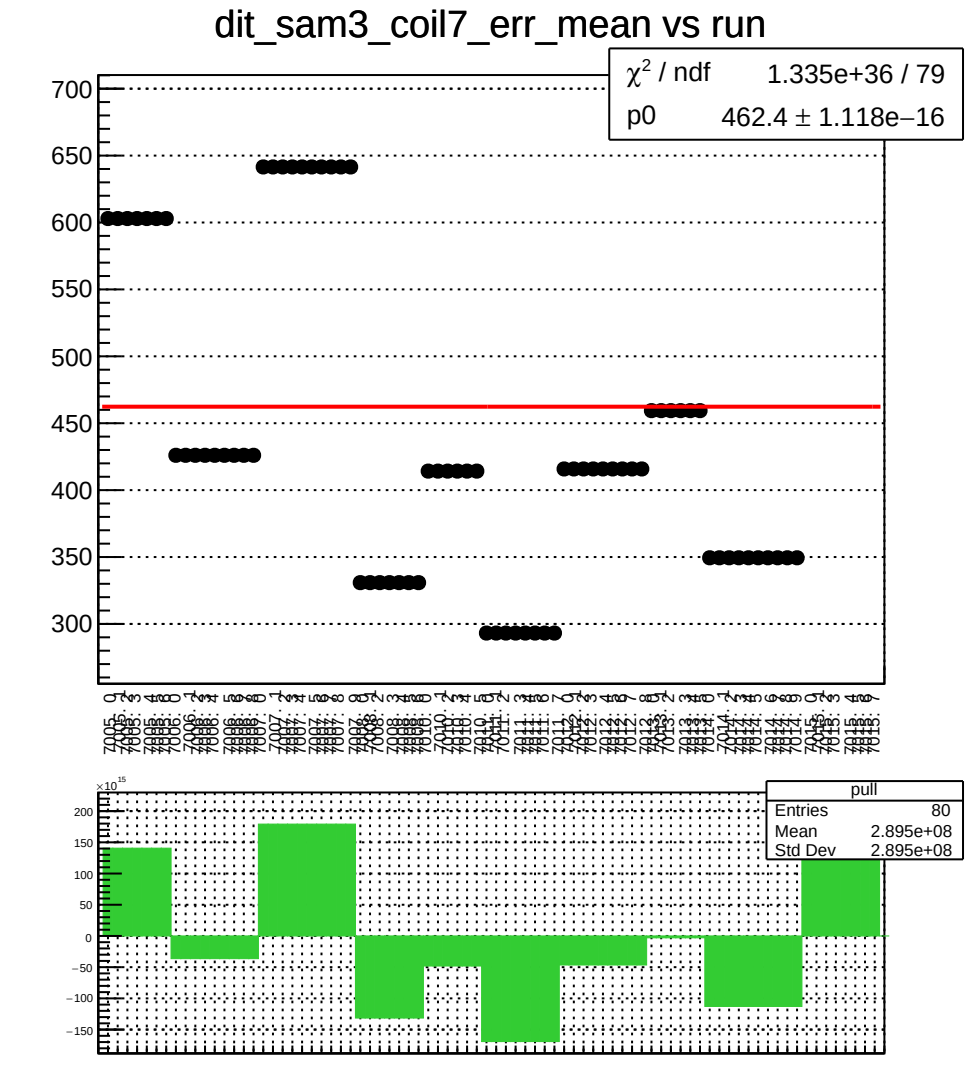

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

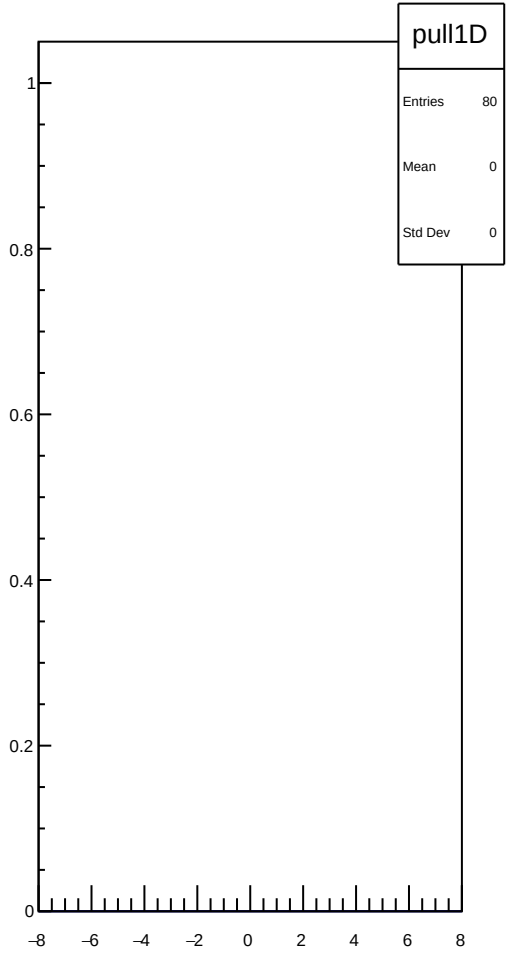

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

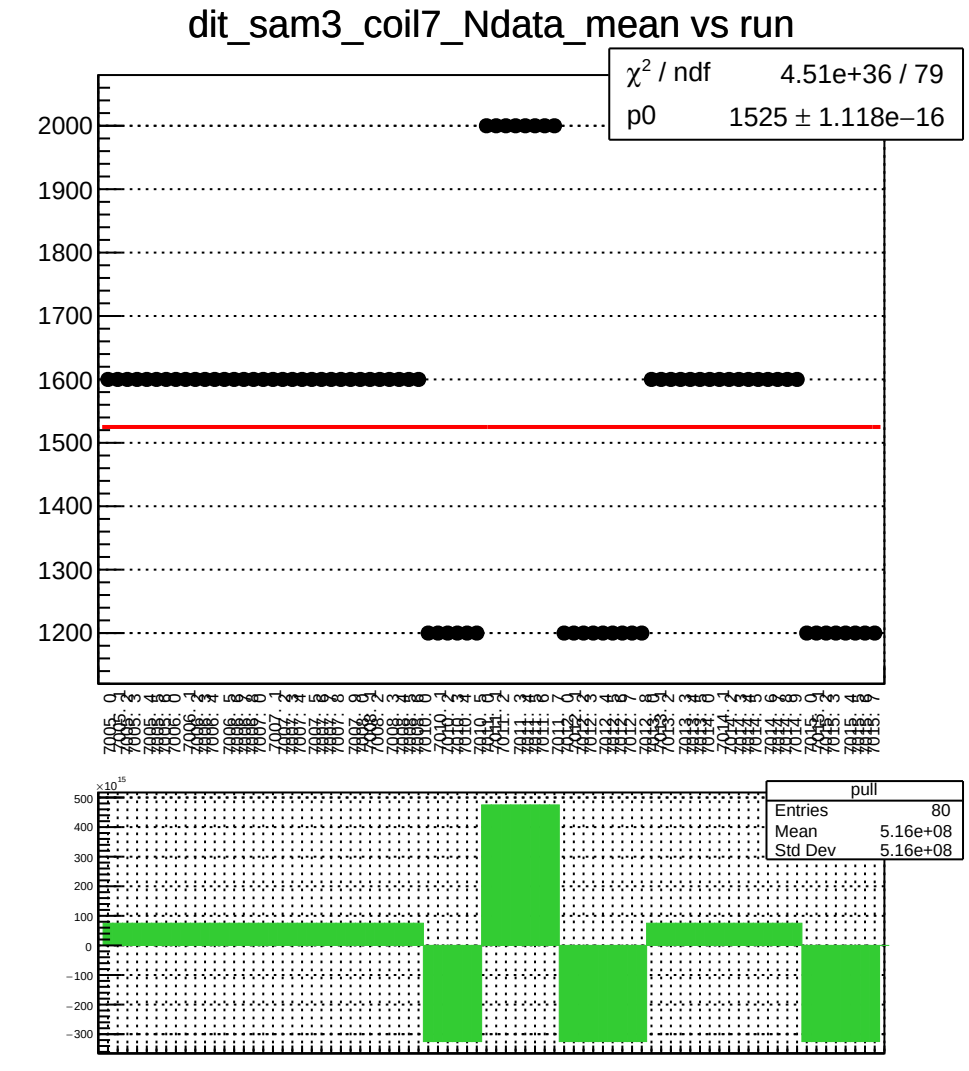

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

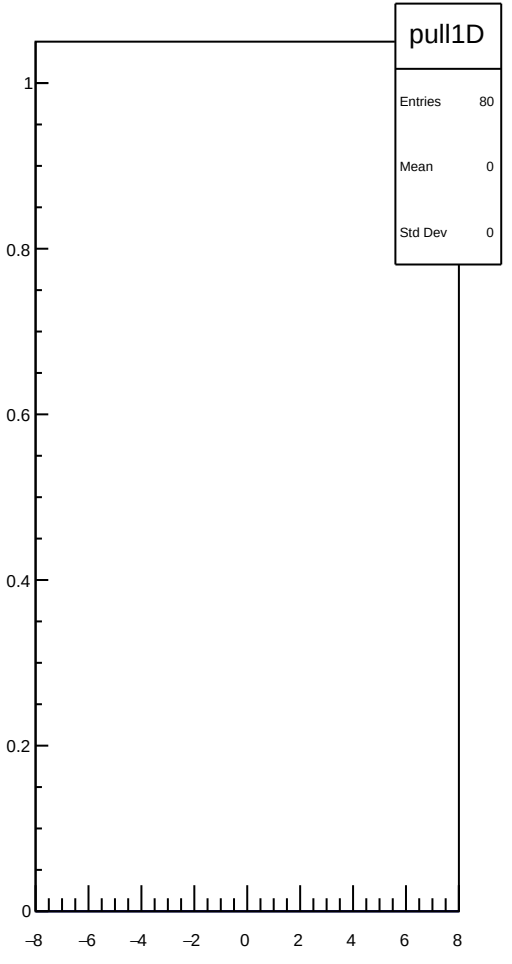

dit_sam3_coil7_mean vs run
χ² / ndf 1.682e+36 / 79
p0 −2674 ± 1.118e−16
−2400
−2500
−2600
−2700
−2800
−2900
−3000
pull
Entries 80
Mean 3.899e+07
Std Dev 3.899e+07
×10¹⁵
200
100
0
−100
−200
−300

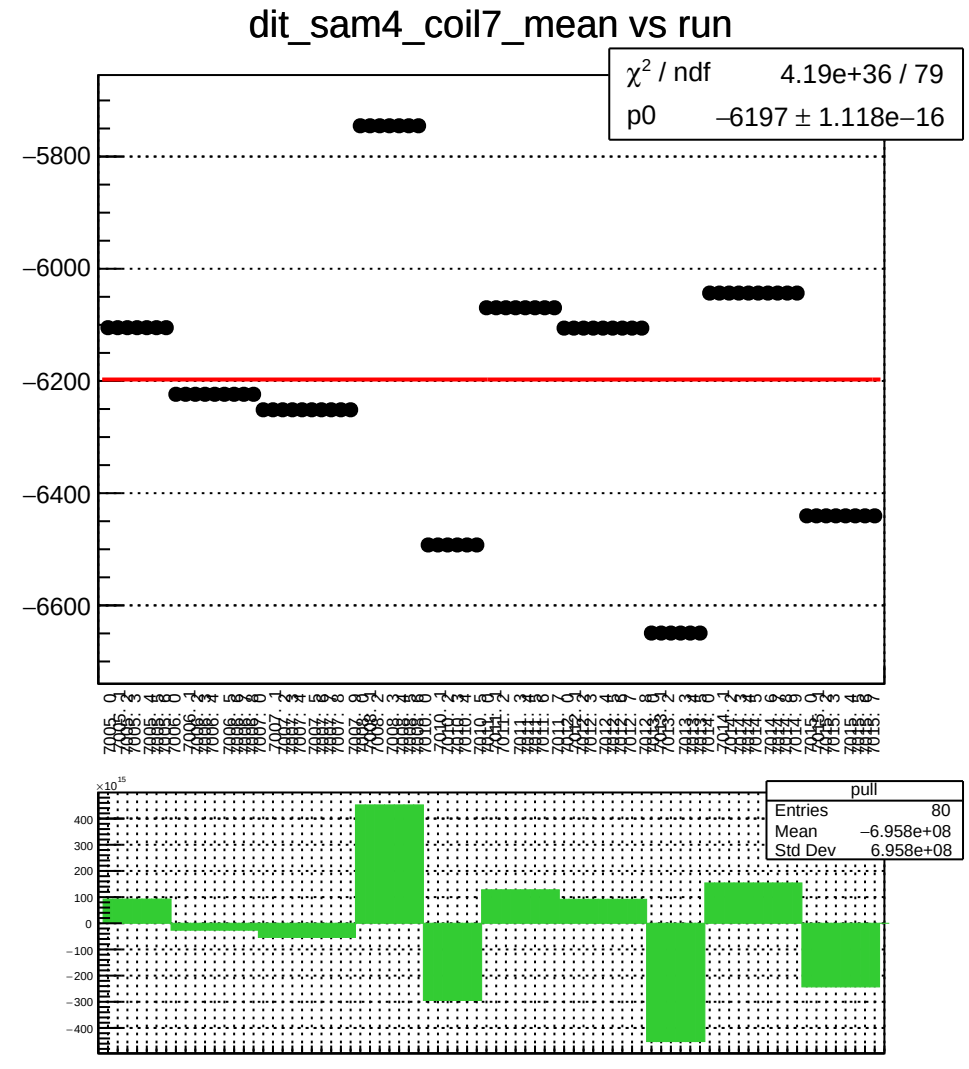

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

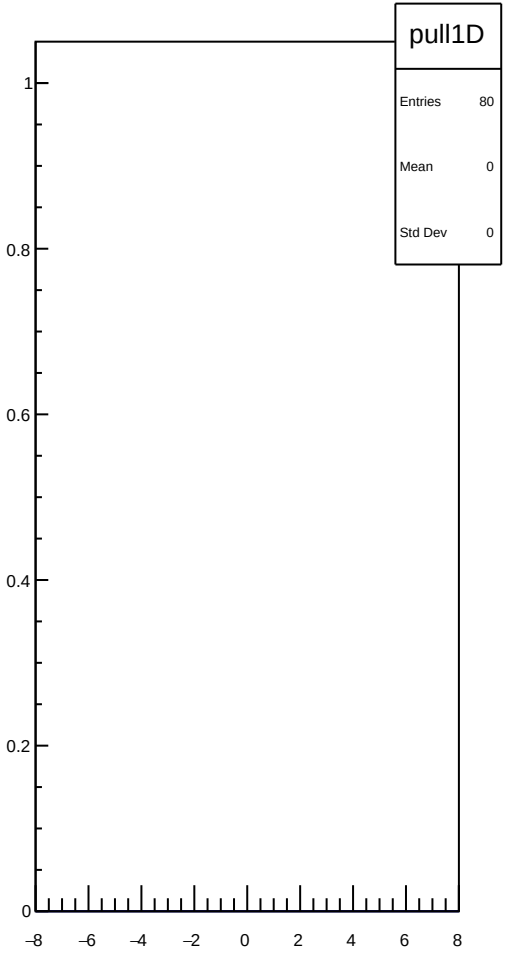

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.335e+36 / 79
p0 462.4 ± 1.118e−16
700
650
600
550
500
450
400
350
300
pull
Entries 80
Mean 2.895e+08
Std Dev 2.895e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150

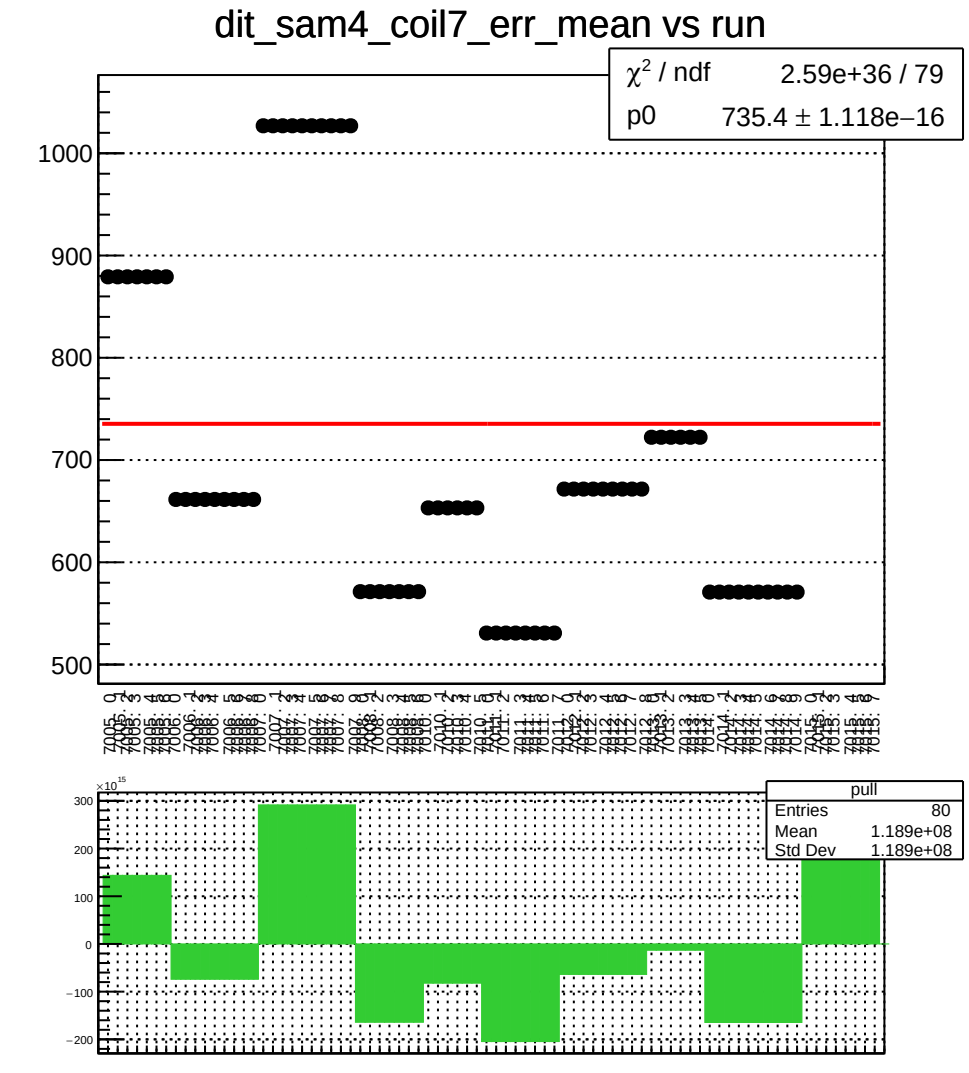

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

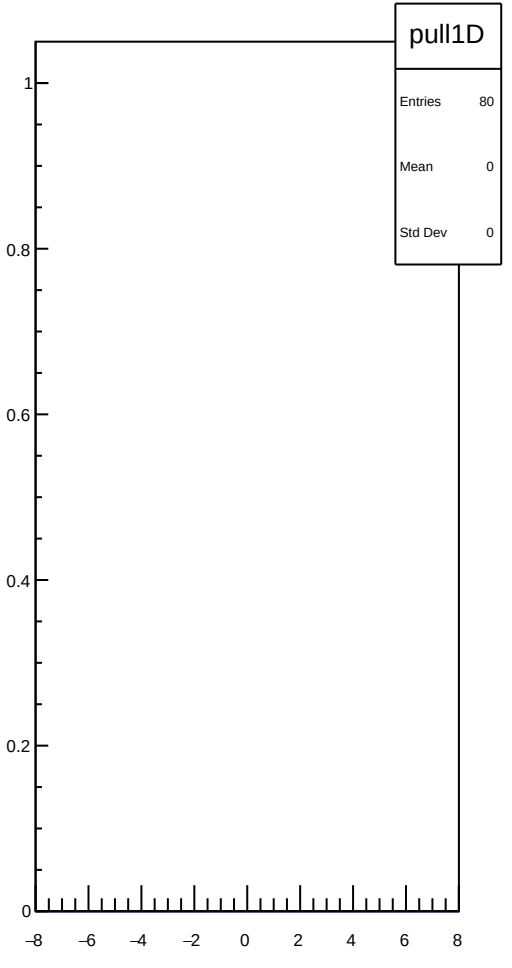

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

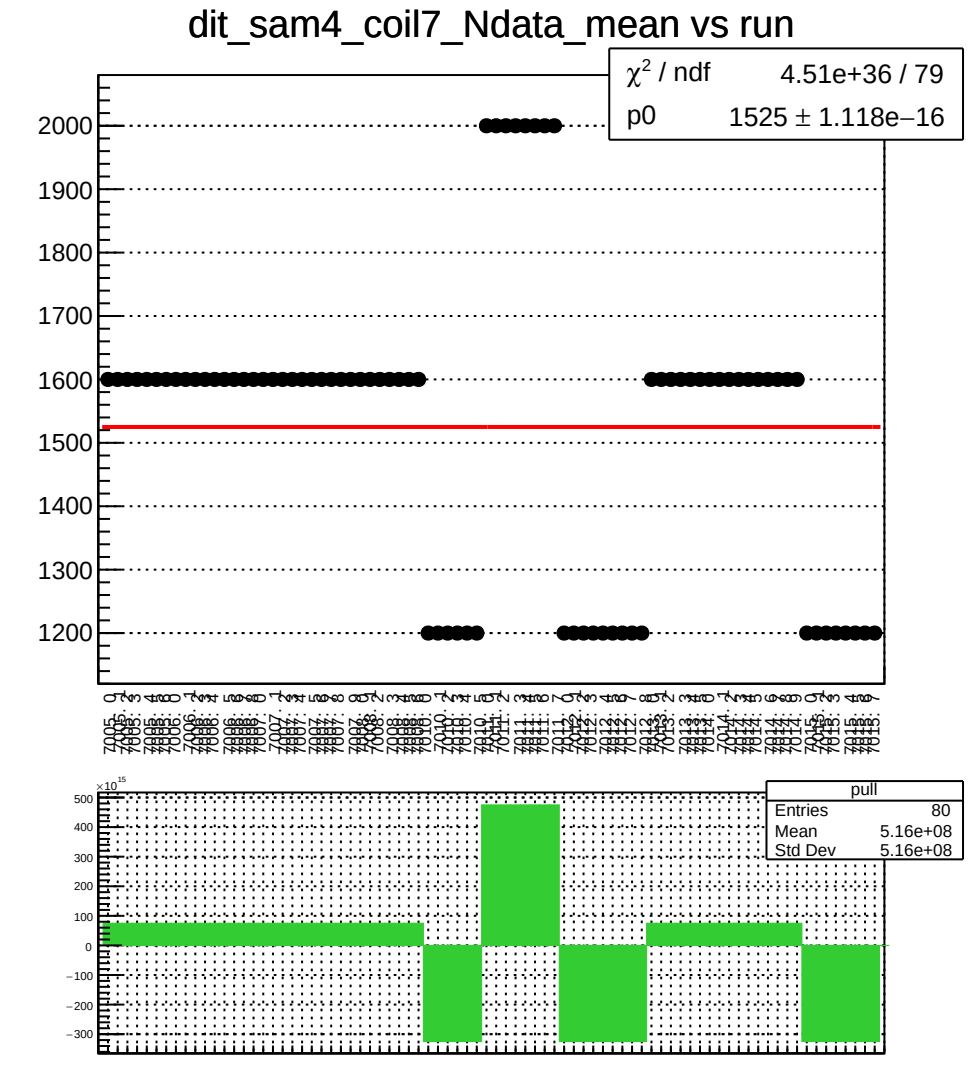

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

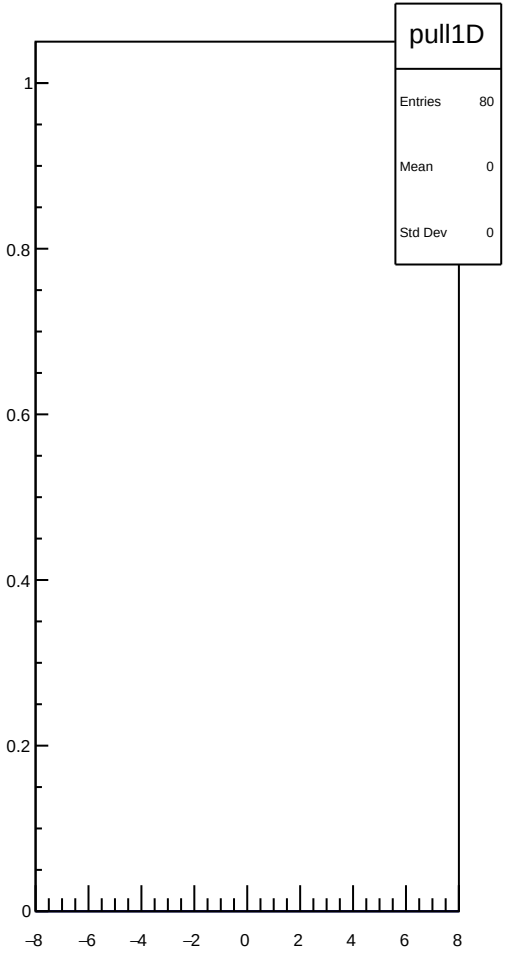

dit_sam4_coil7_mean vs run
χ² / ndf 4.19e+36 / 79
p0 –6197 ± 1.118e–16
–5800
–6000
–6200
–6400
–6600
×10¹⁵
400
300
200
100
0
–100
–200
–300
–400
pull
Entries 80
Mean –6.958e+08
Std Dev 6.958e+08

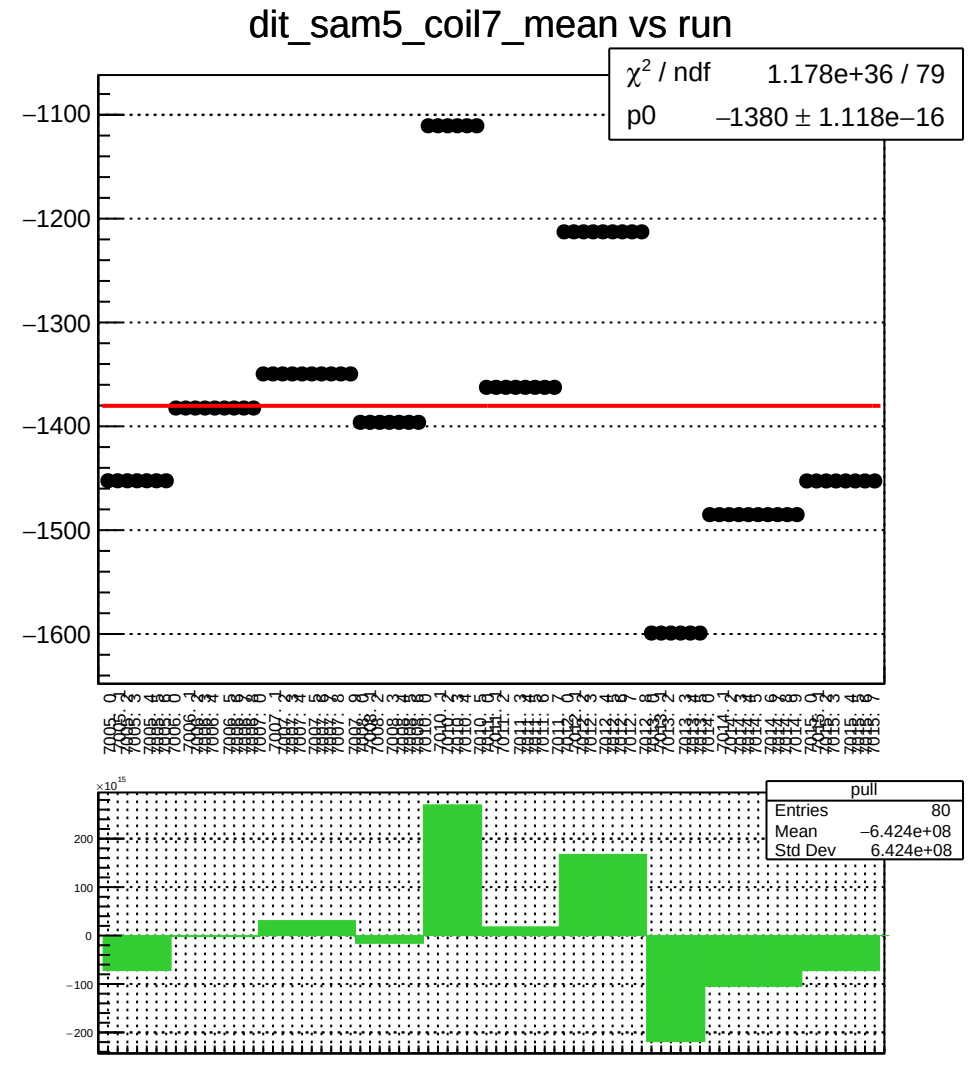

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

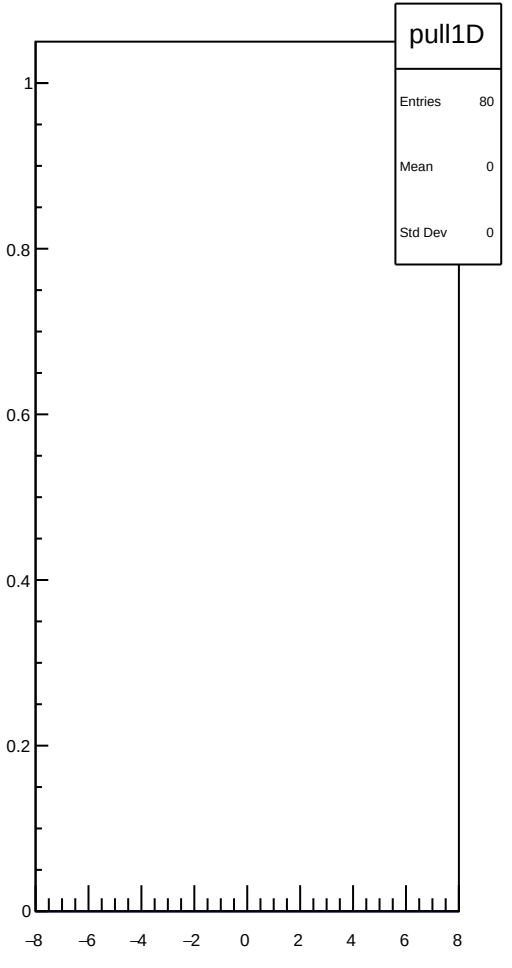

dit_sam4_coil7_err_mean vs run
χ² / ndf 2.59e+36 / 79
p0 735.4 ± 1.118e−16
1000
900
800
700
600
500
pull
Entries 80
Mean 1.189e+08
Std Dev 1.189e+08
×10¹⁵
300
200
100
0
−100
−200

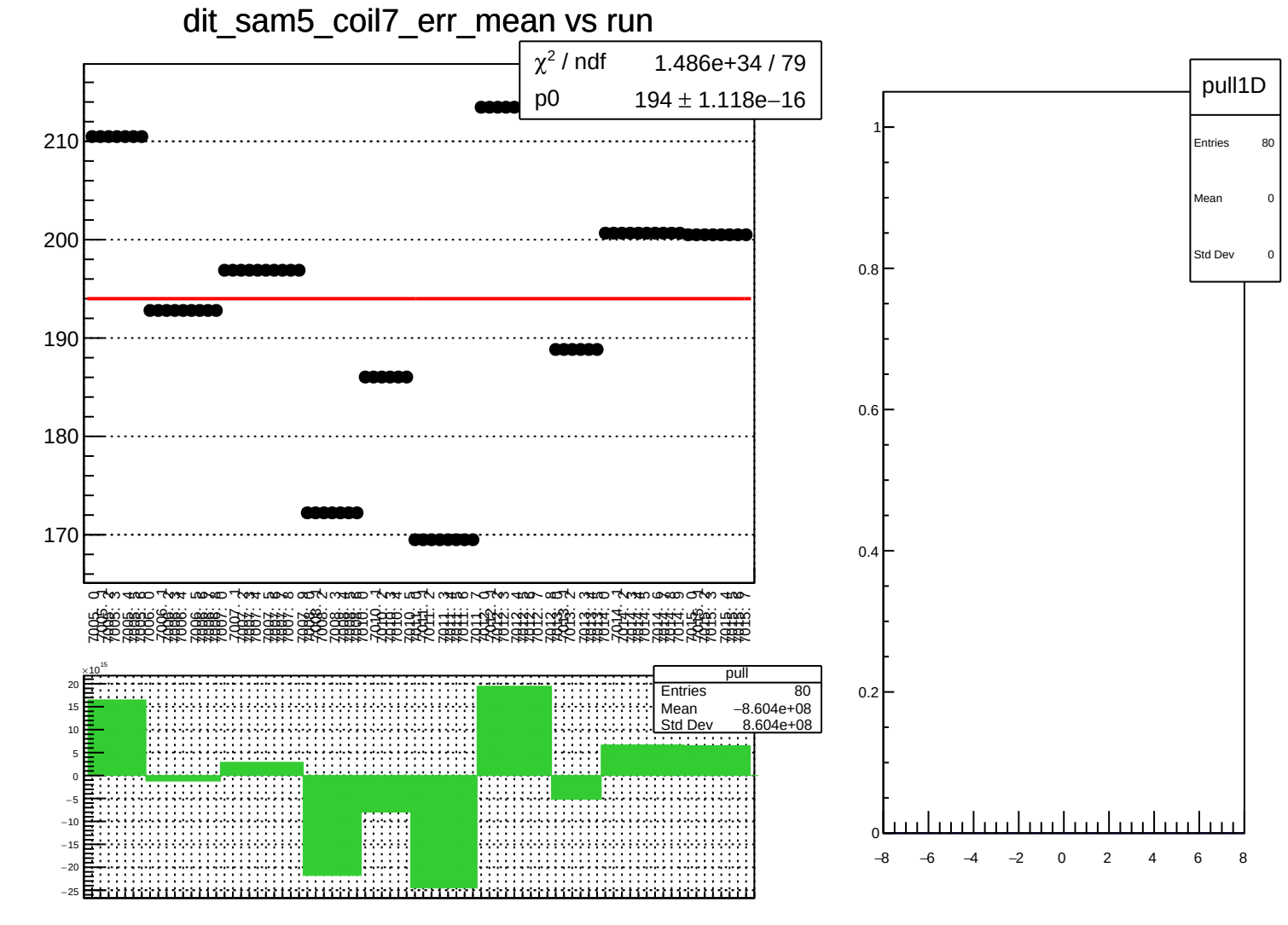

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

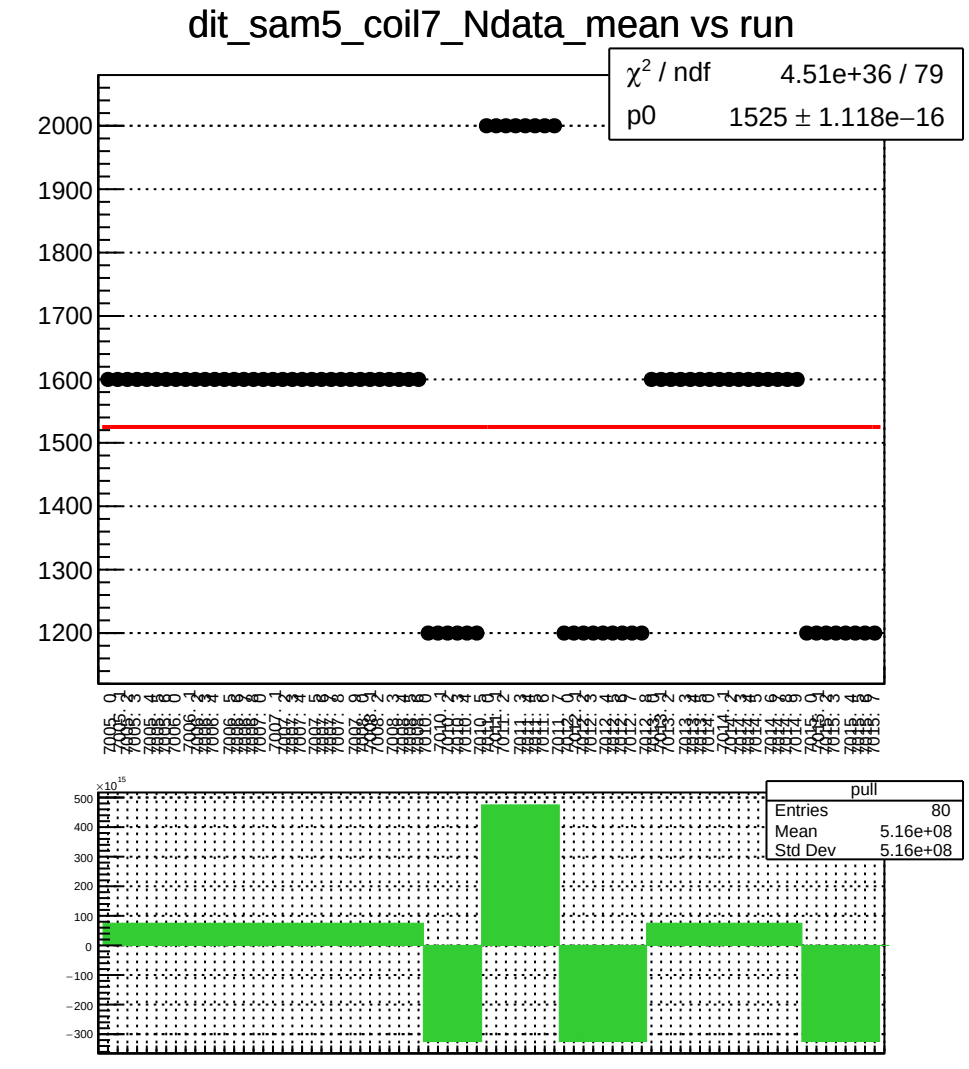

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08

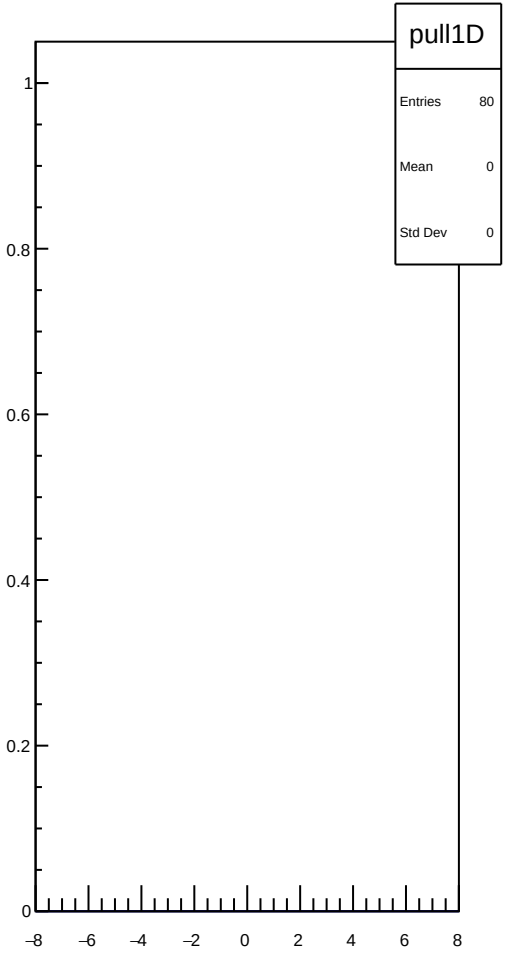

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

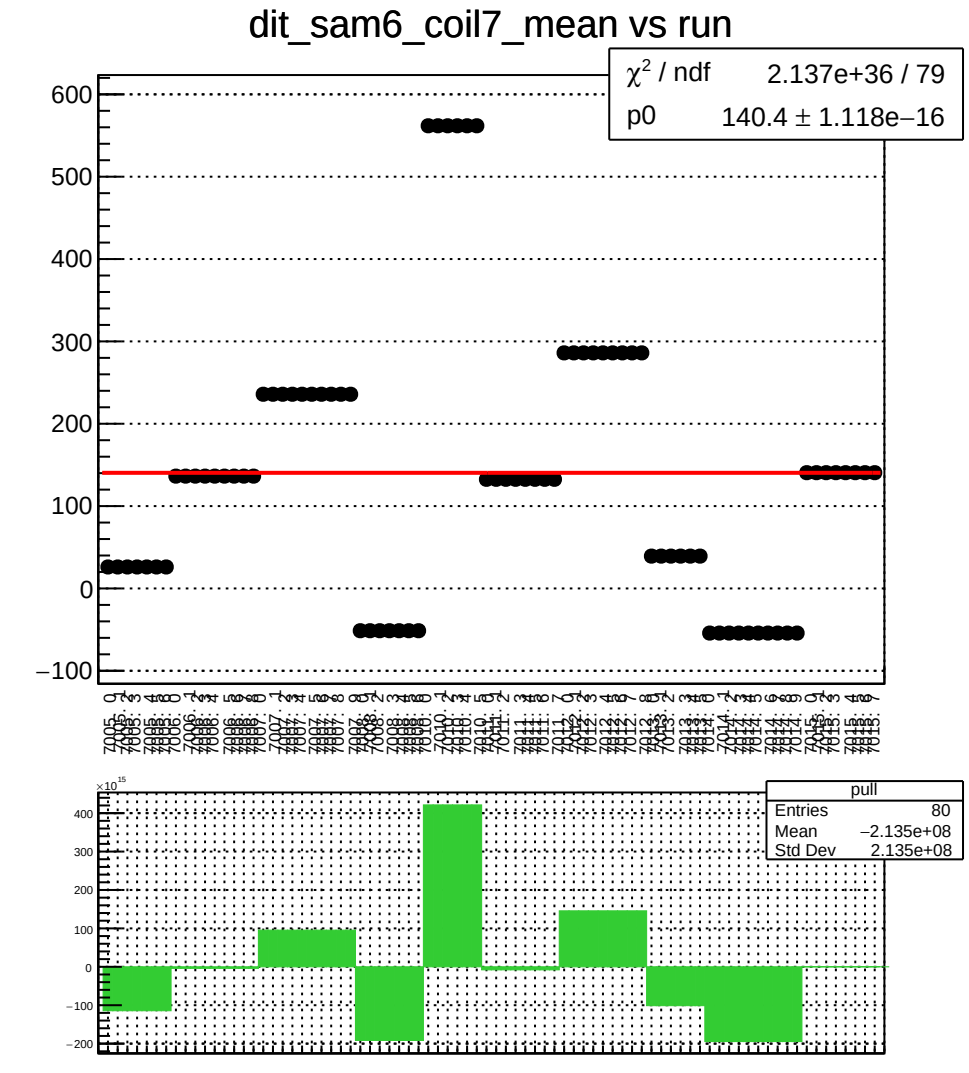

dit_sam5_coil7_mean vs run
χ² / ndf 1.178e+36 / 79
p0 −1380 ± 1.118e−16
−1100
−1200
−1300
−1400
−1500
−1600
pull
Entries 80
Mean −6.424e+08
Std Dev 6.424e+08
×10¹⁵
200
100
0
−100
−200

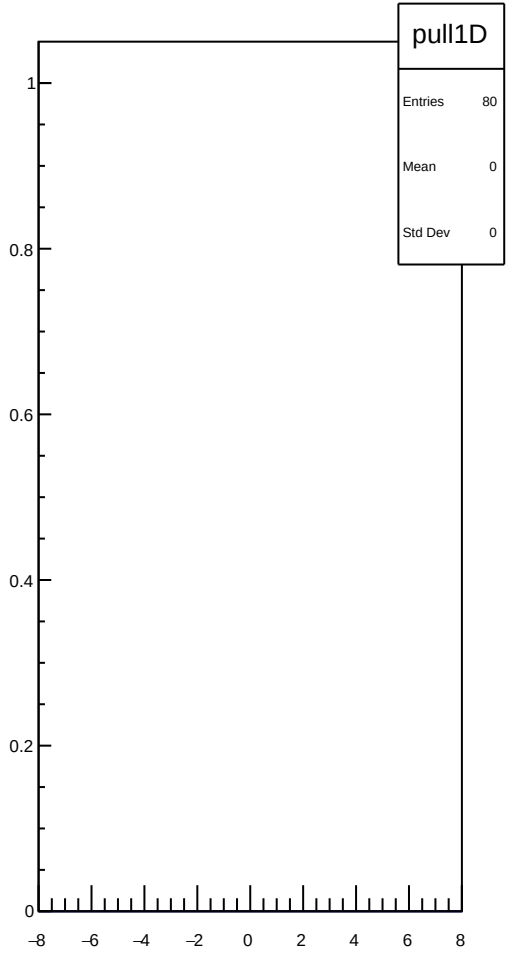

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

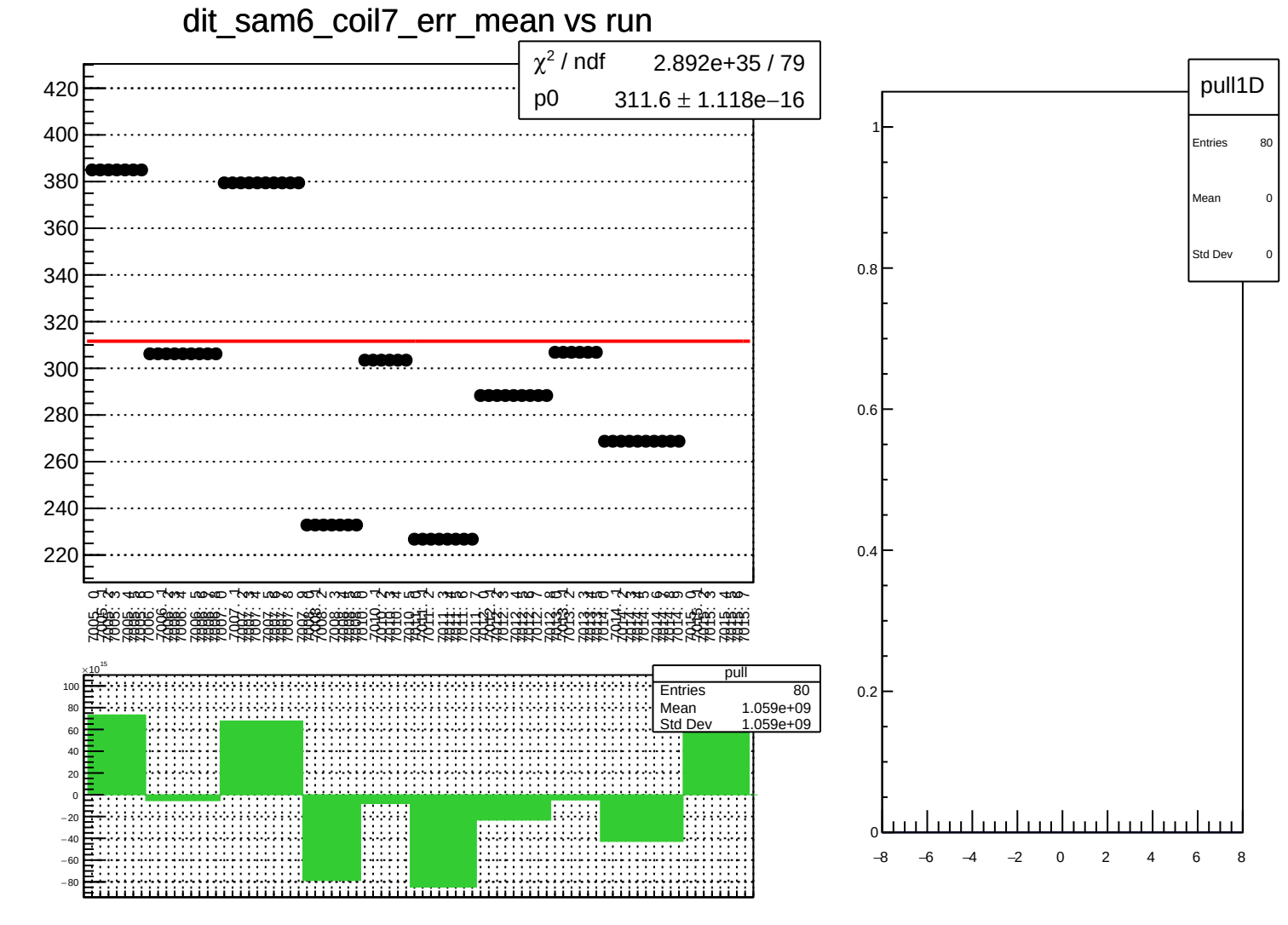

dit_sam5_coil7_err_mean vs run
χ² / ndf 1.486e+34 / 79
p0 194 ± 1.118e−16
210
200
190
180
170
pull
Entries 80
Mean −8.604e+08
Std Dev 8.604e+08
×10¹⁵
20
15
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

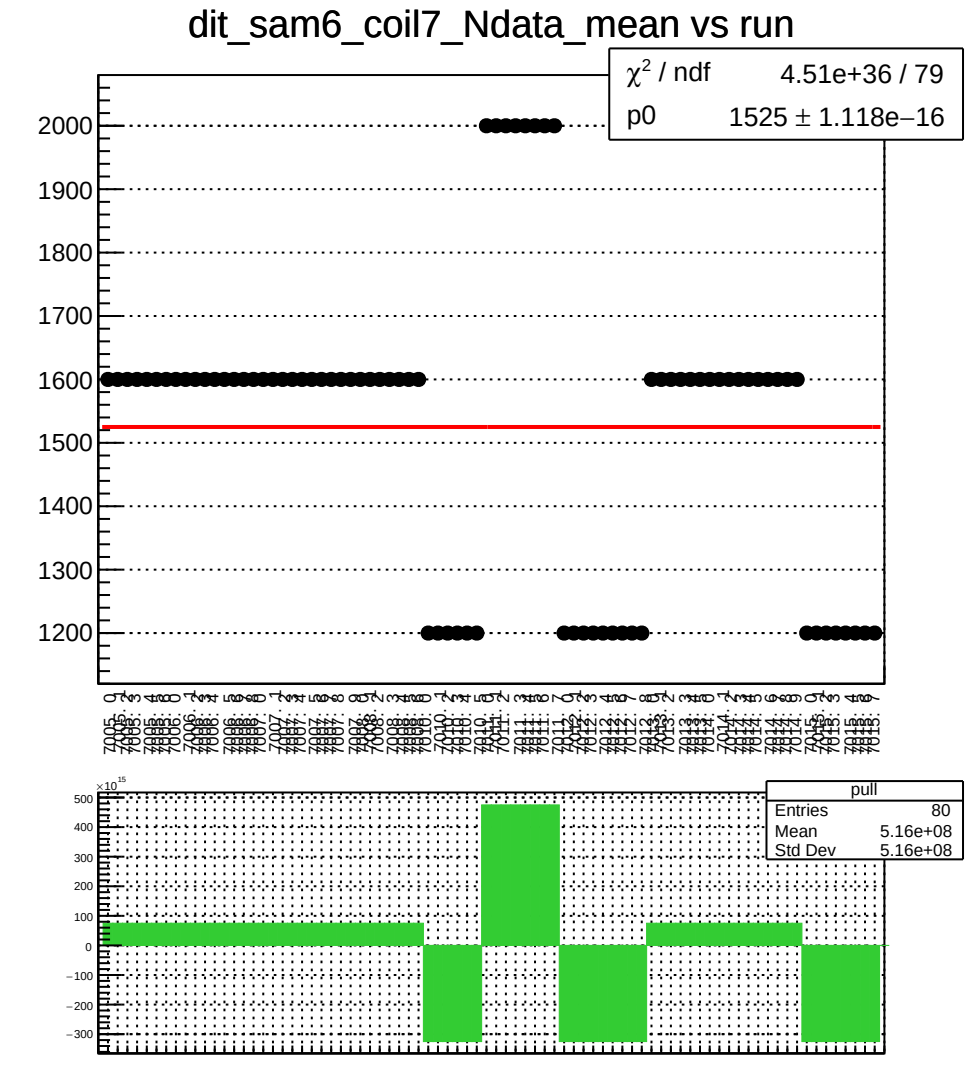

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

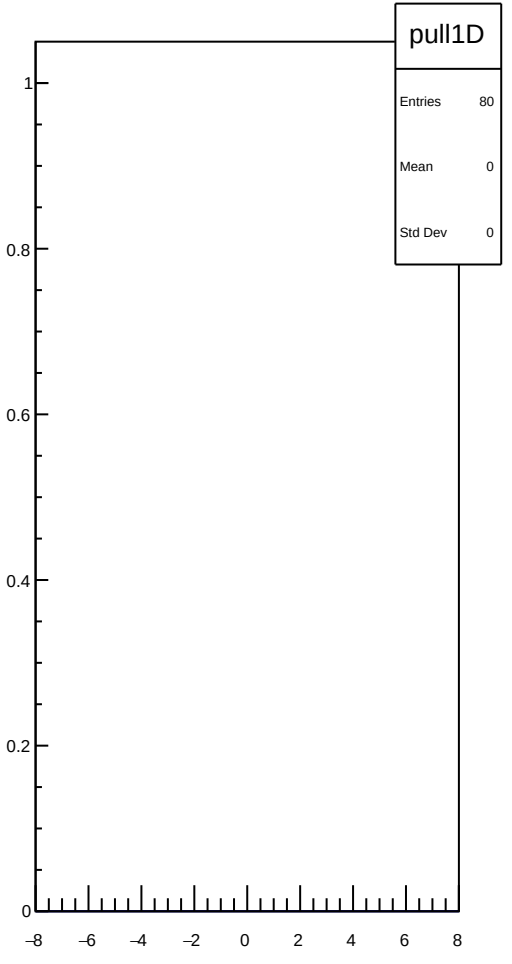

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

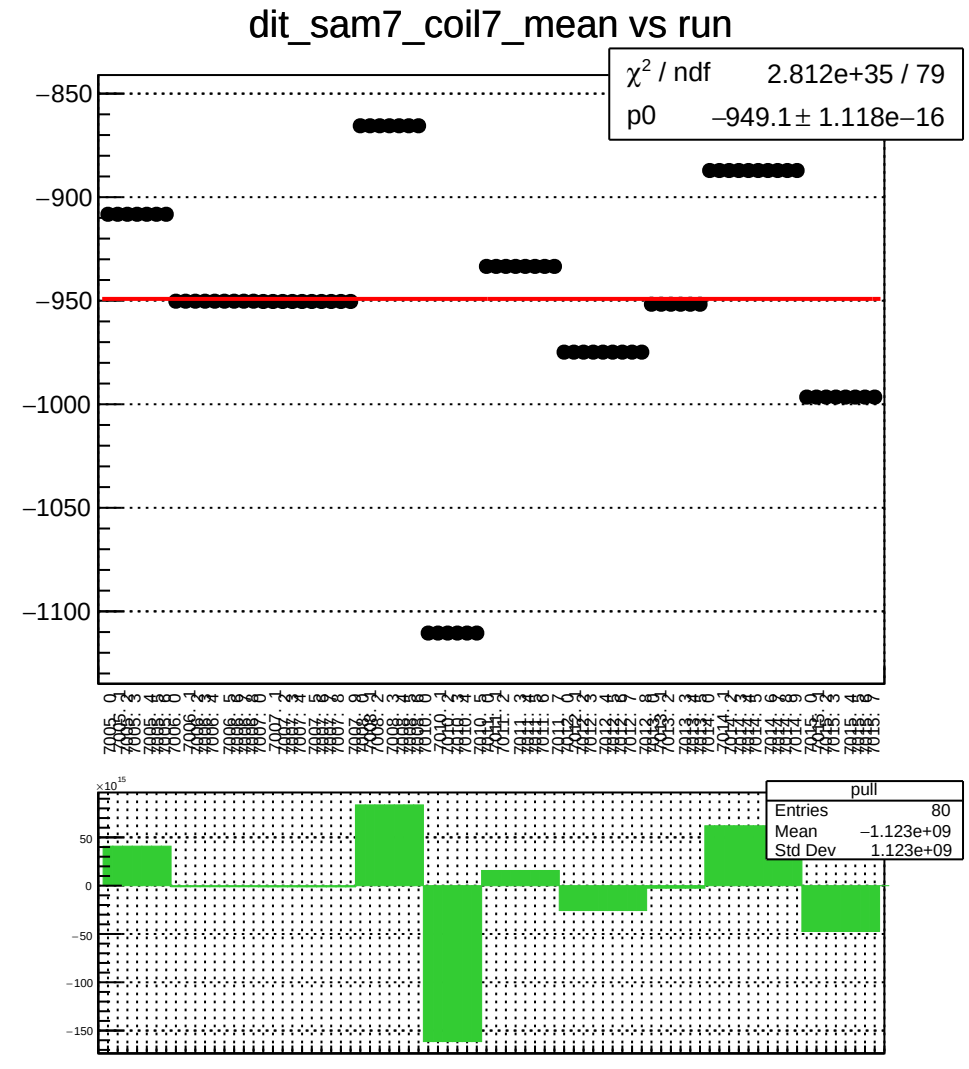

dit_sam6_coil7_mean vs run
χ² / ndf 2.137e+36 / 79
p0 140.4 ± 1.118e−16
pull
Entries 80
Mean −2.135e+08
Std Dev 2.135e+08

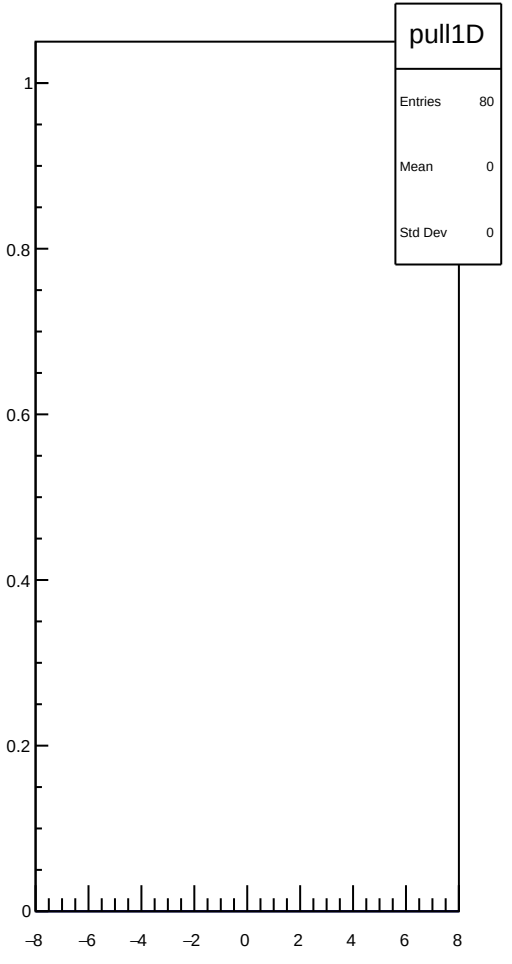

pull1D
Entries 80
Mean 0
Std Dev 0

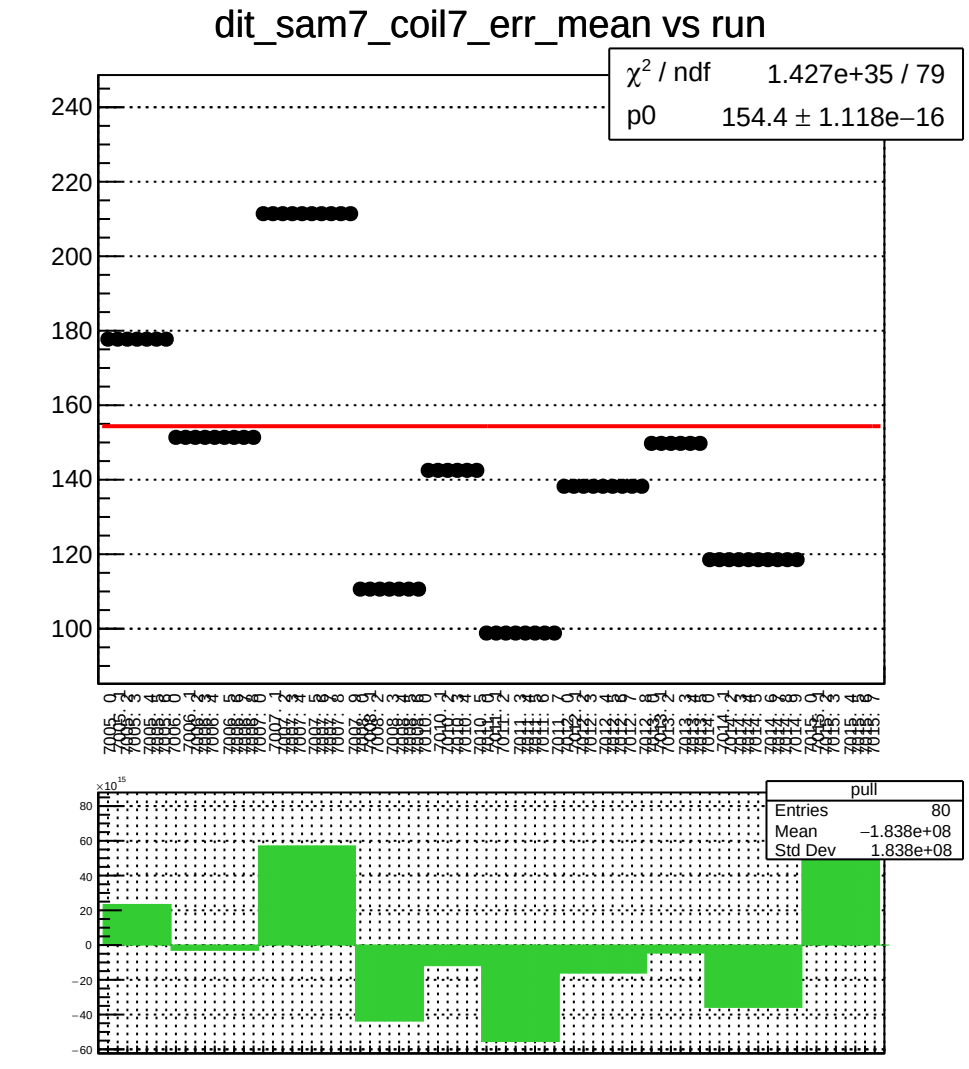

dit_sam6_coil7_err_mean vs run
χ² / ndf 2.892e+35 / 79
p0 311.6 ± 1.118e−16
pull
Entries 80
Mean 1.059e+09
Std Dev 1.059e+09
pull1D
Entries 80
Mean 0
Std Dev 0

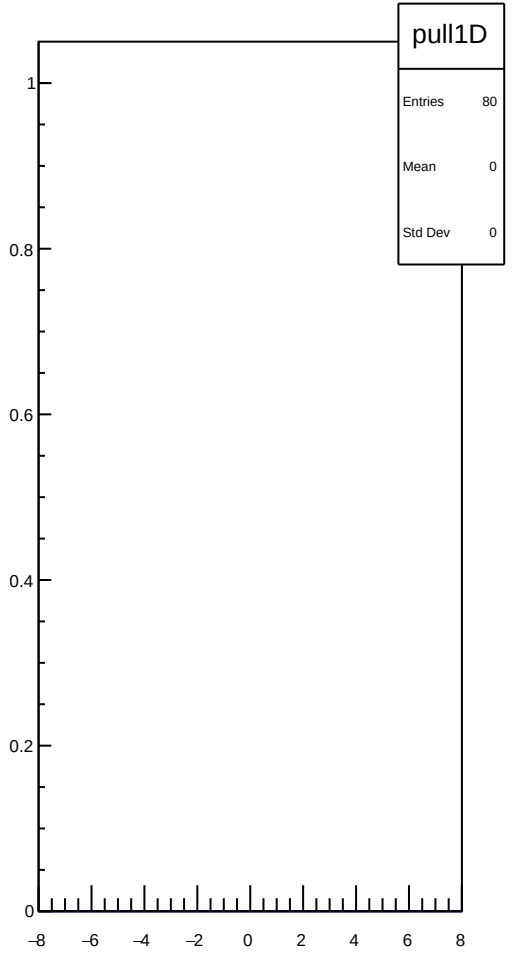

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

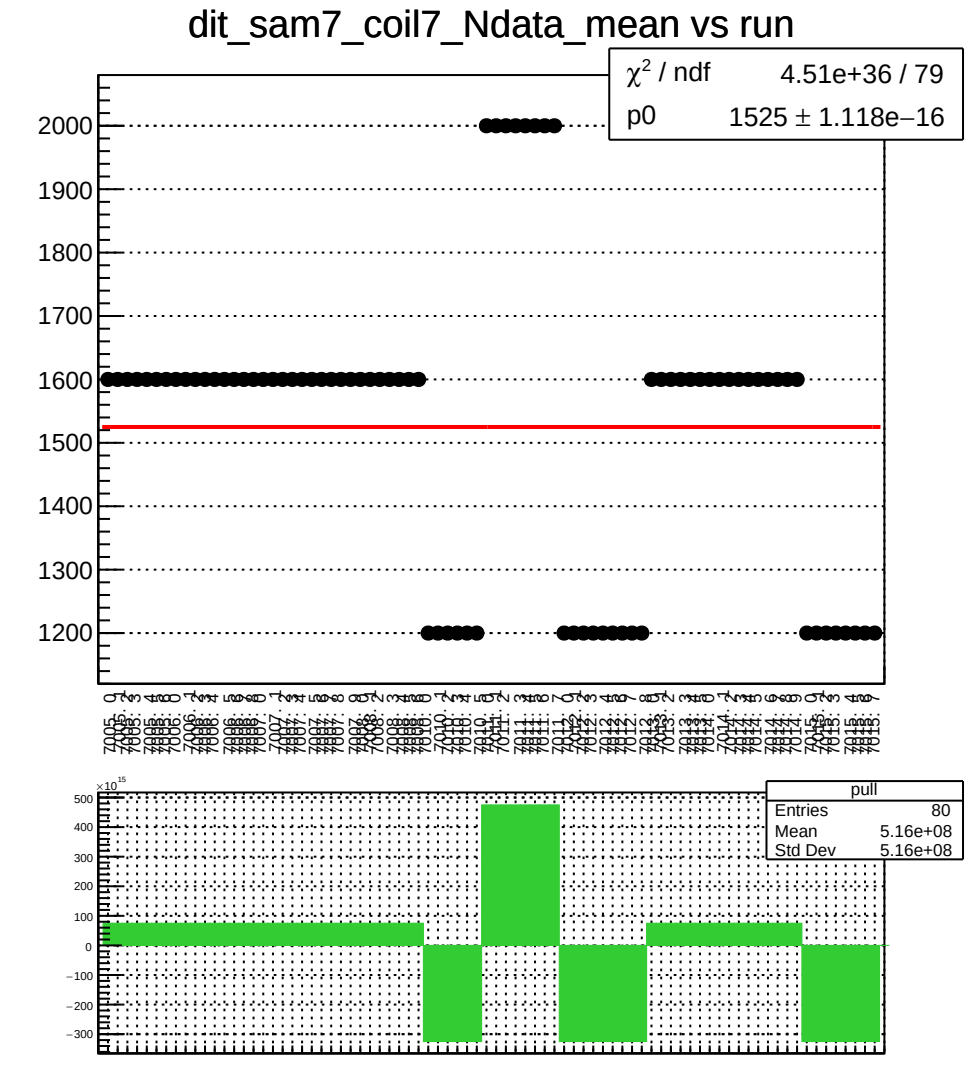

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

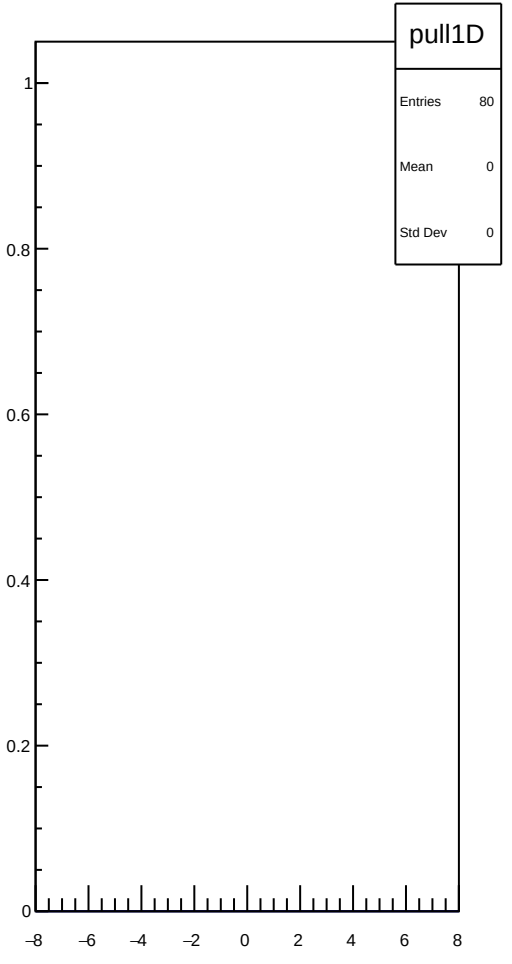

dit_sam7_coil7_mean vs run
χ² / ndf 2.812e+35 / 79
p0 −949.1 ± 1.118e−16
−850
−900
−950
−1000
−1050
−1100
pull
Entries 80
Mean −1.123e+09
Std Dev 1.123e+09
×10¹⁵
50
0
−50
−100
−150

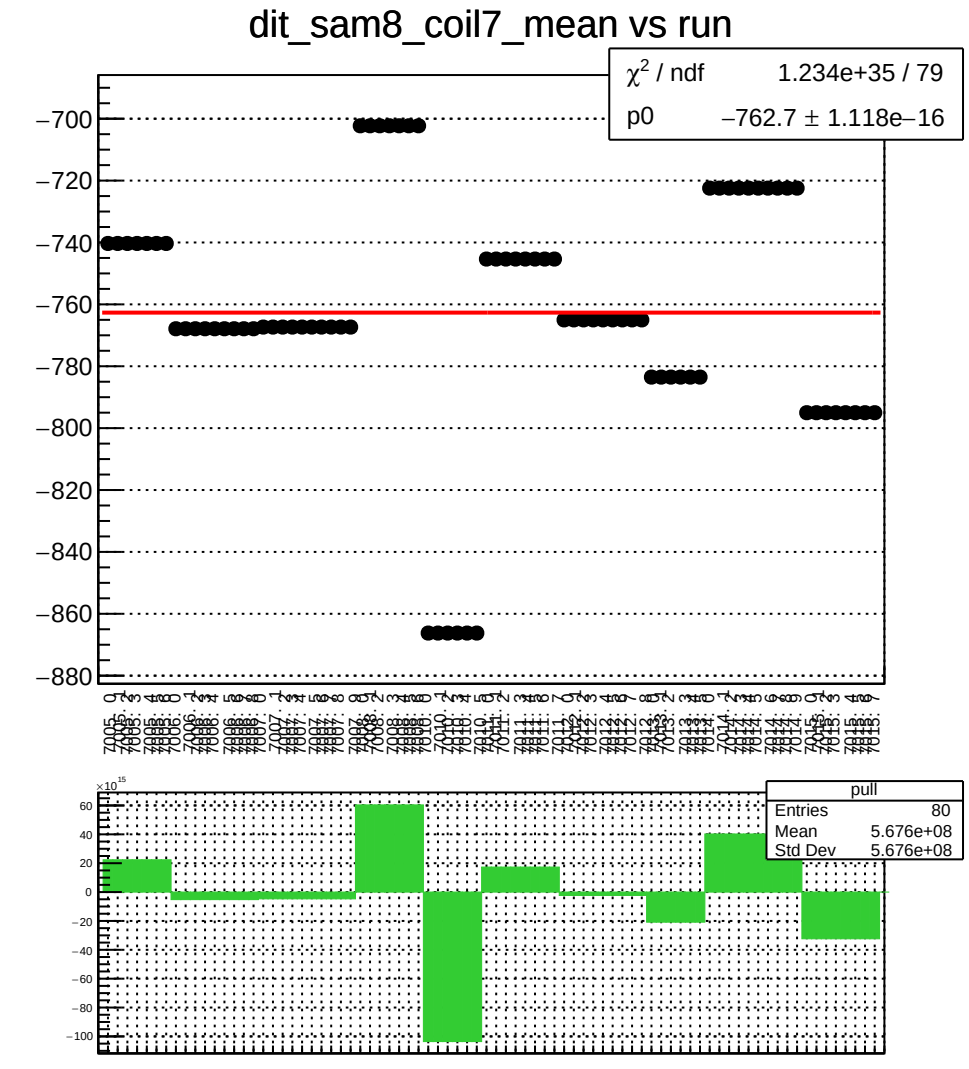

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

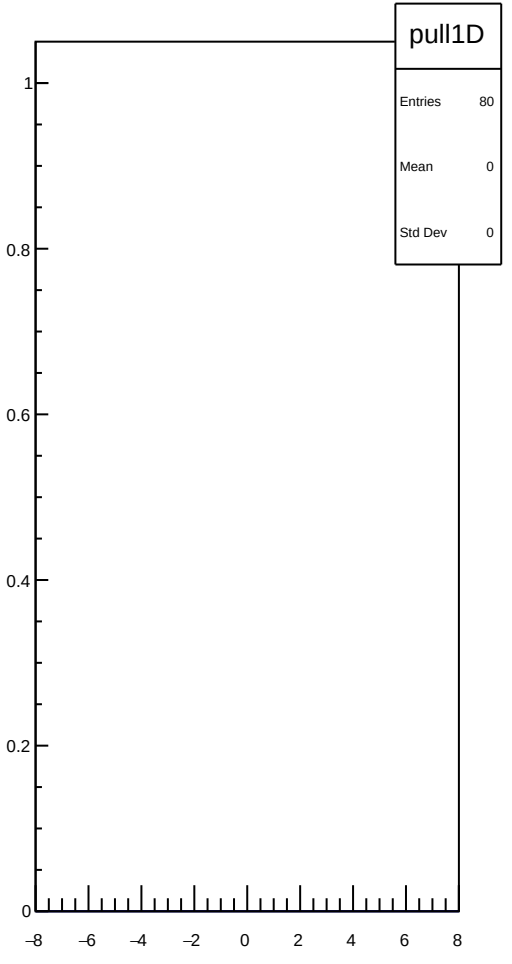

dit_sam7_coil7_err_mean vs run
χ² / ndf 1.427e+35 / 79
p0 154.4 ± 1.118e−16
240
220
200
180
160
140
120
100
pull
Entries 80
Mean −1.838e+08
Std Dev 1.838e+08
×10¹⁵
80
60
40
20
0
−20
−40
−60

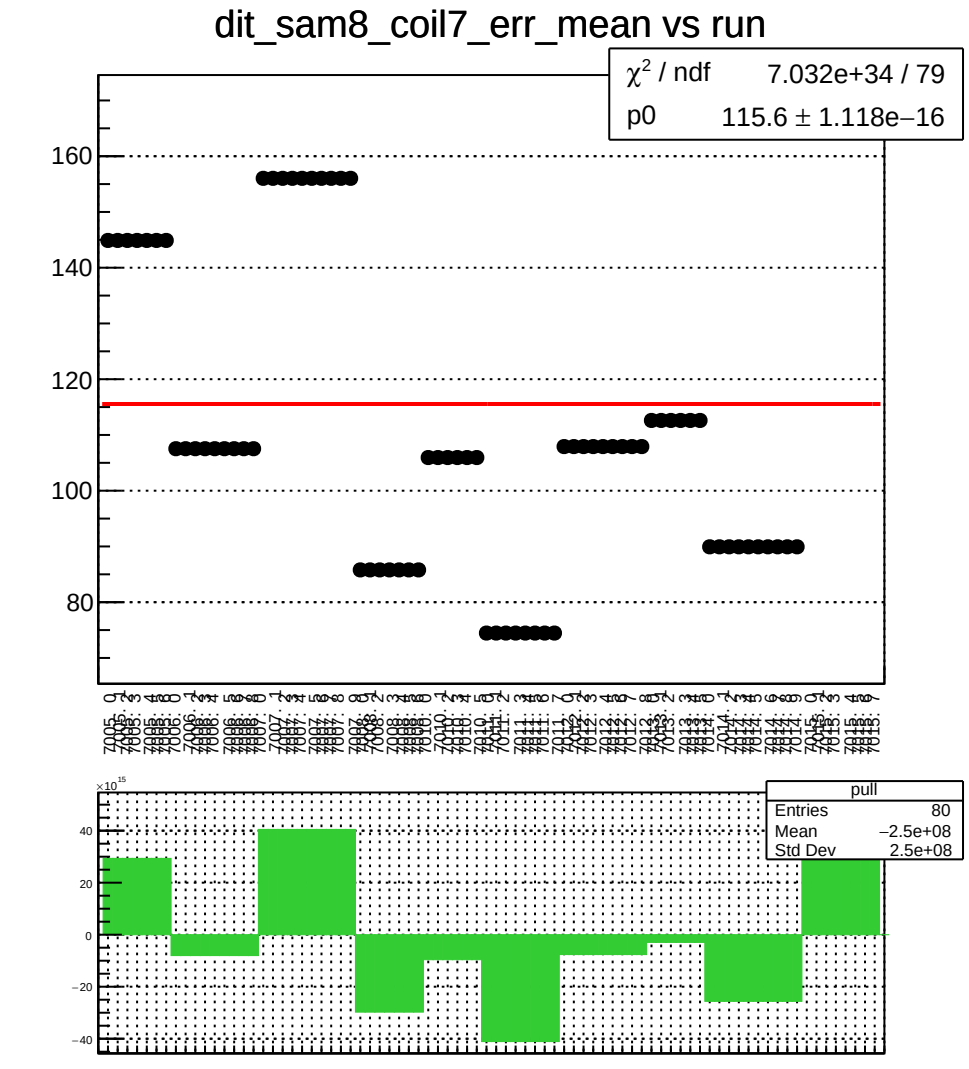

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

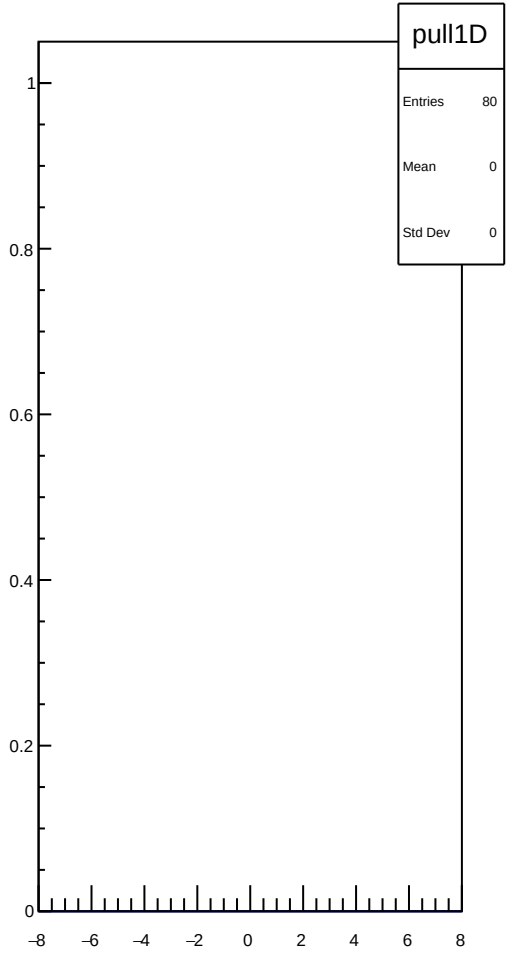

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

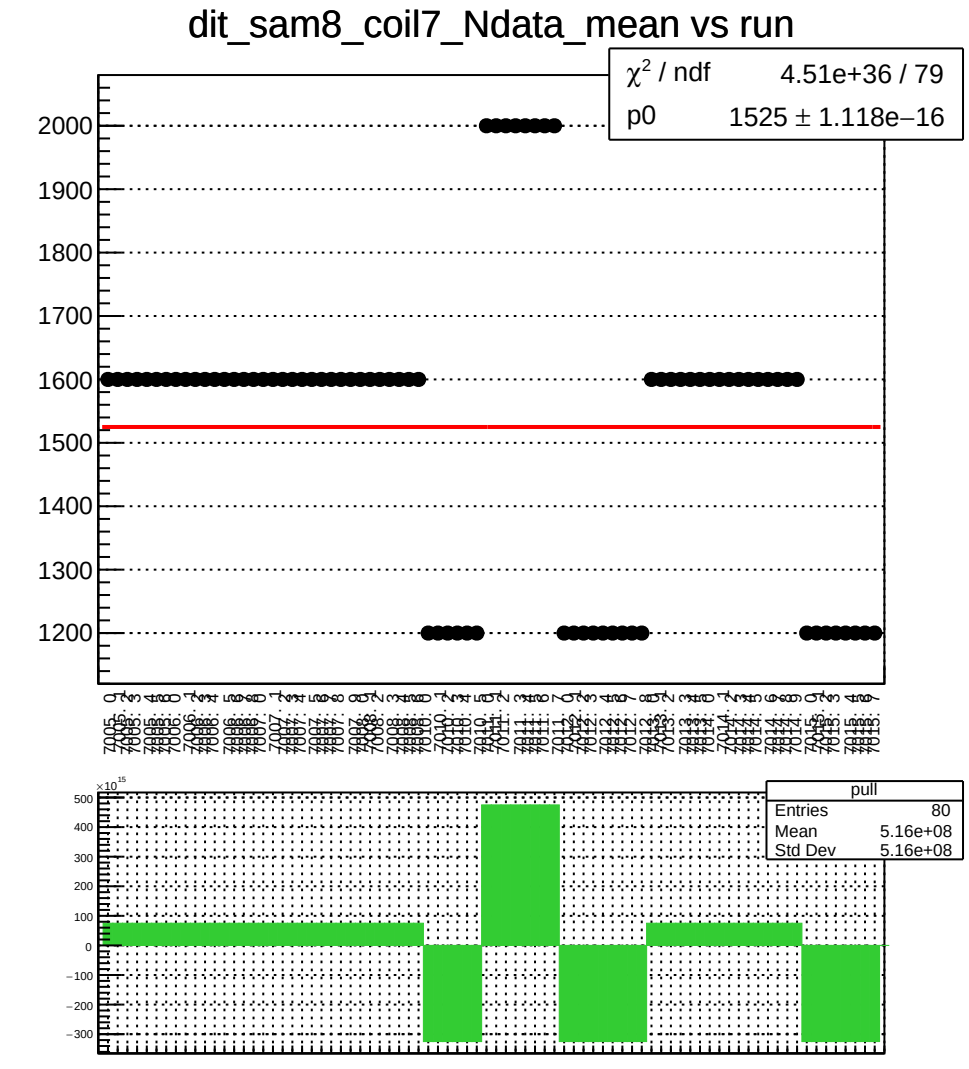

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

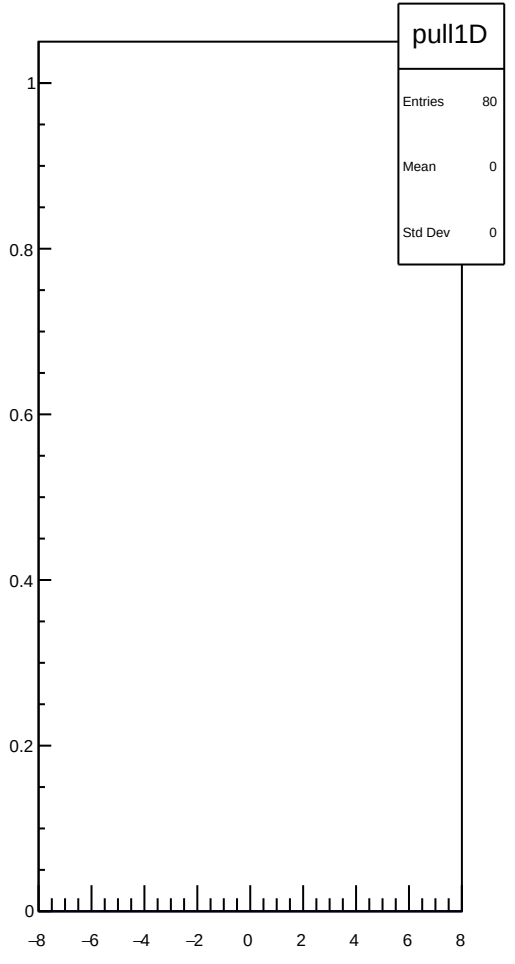

dit_sam8_coil7_mean vs run
χ² / ndf 1.234e+35 / 79
p0 −762.7 ± 1.118e−16
−700
−720
−740
−760
−780
−800
−820
−840
−860
−880
pull
Entries 80
Mean 5.676e+08
Std Dev 5.676e+08
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100

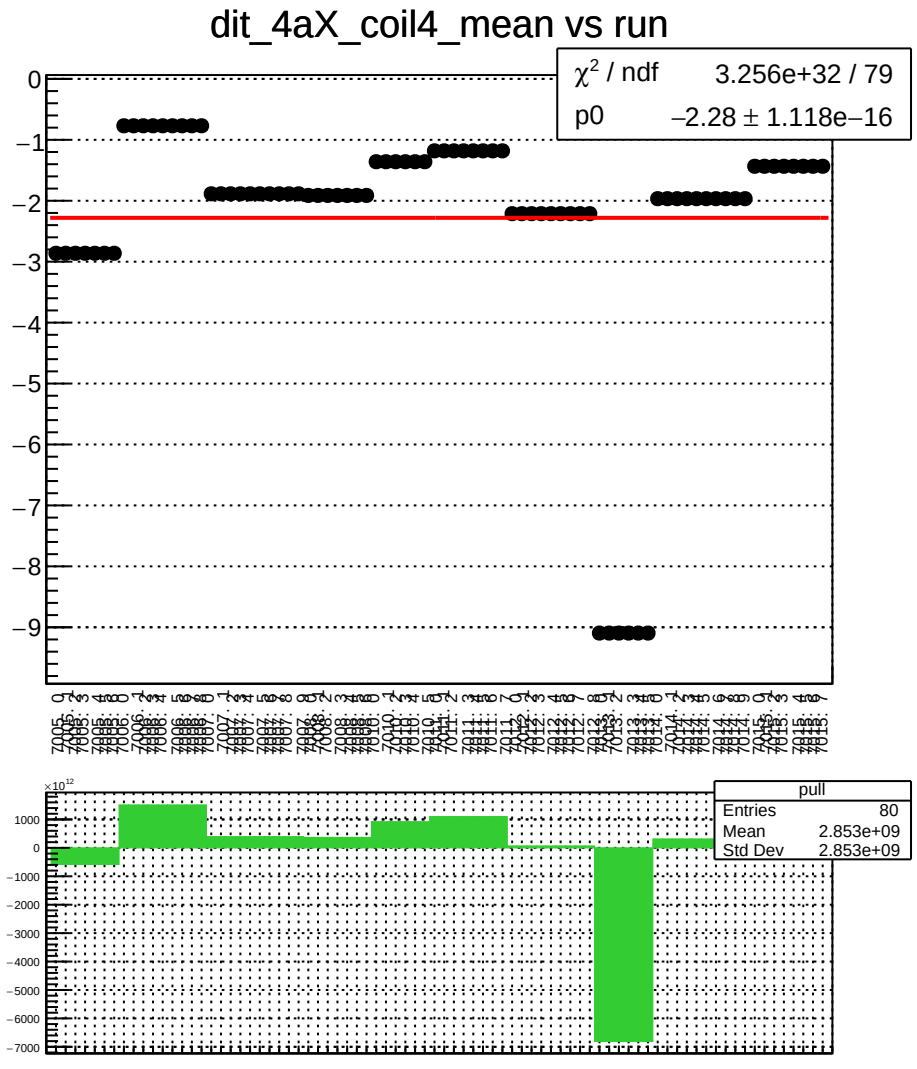

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

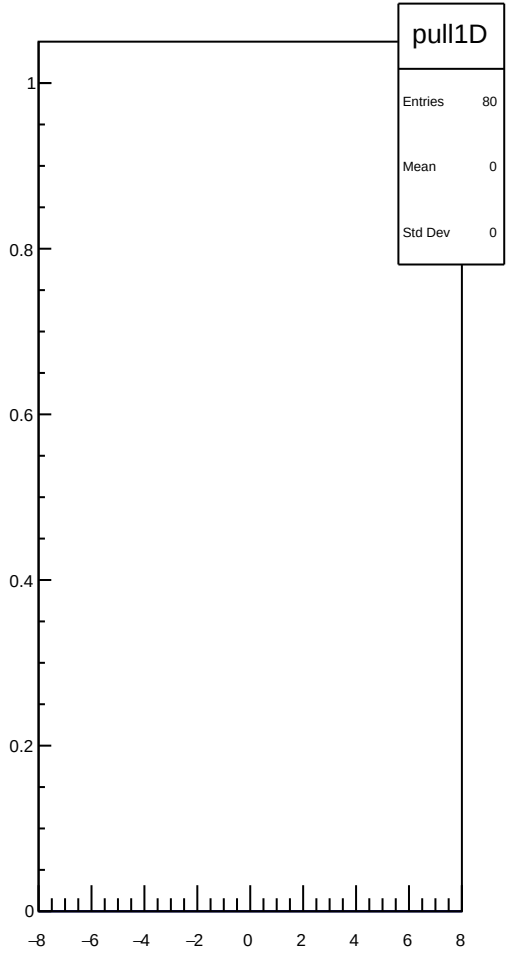

dit_sam8_coil7_err_mean vs run
χ² / ndf 7.032e+34 / 79
p0 115.6 ± 1.118e−16
160
140
120
100
80
pull
Entries 80
Mean −2.5e+08
Std Dev 2.5e+08
×10¹⁵
40
20
0
−20
−40

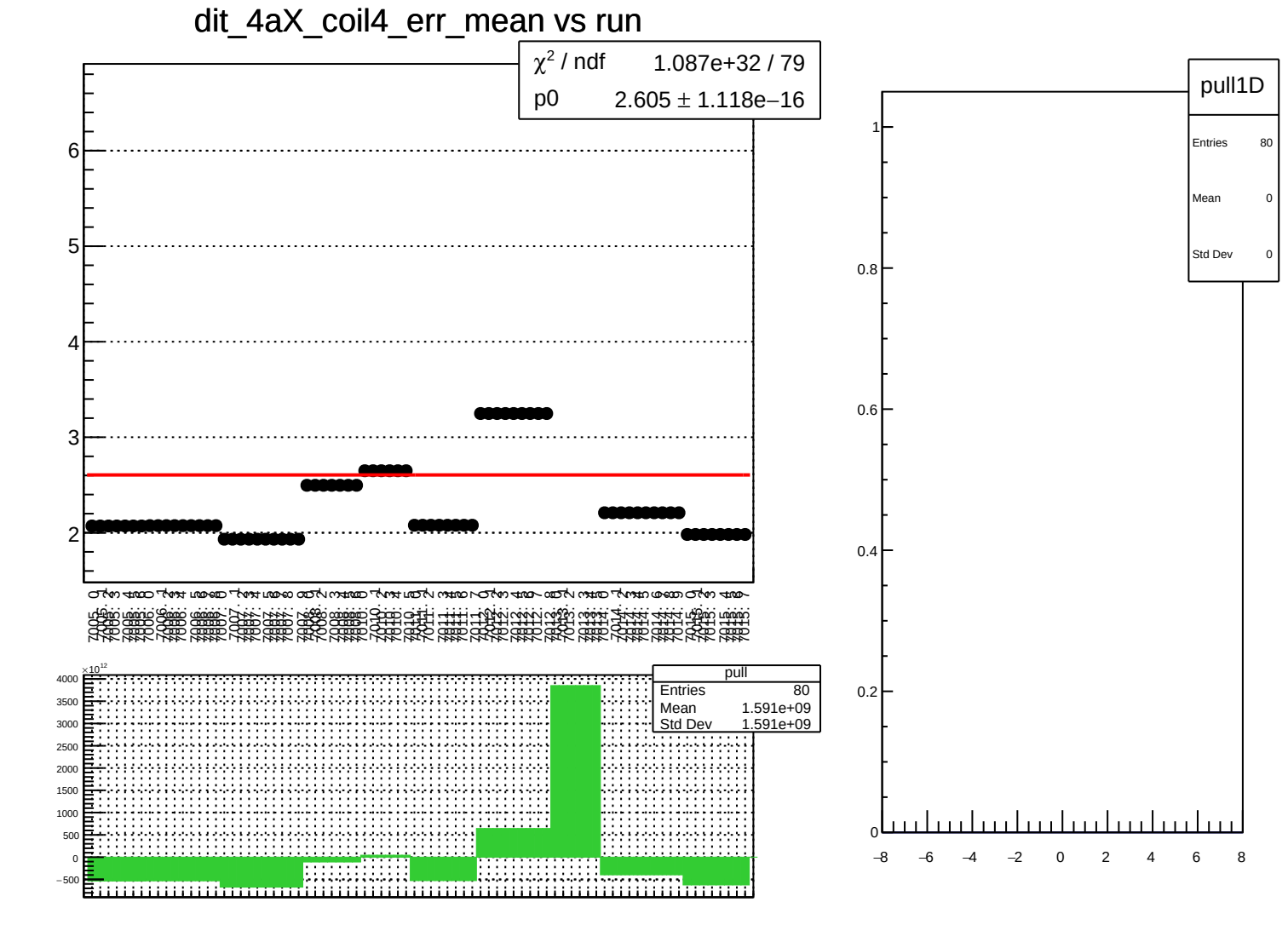

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

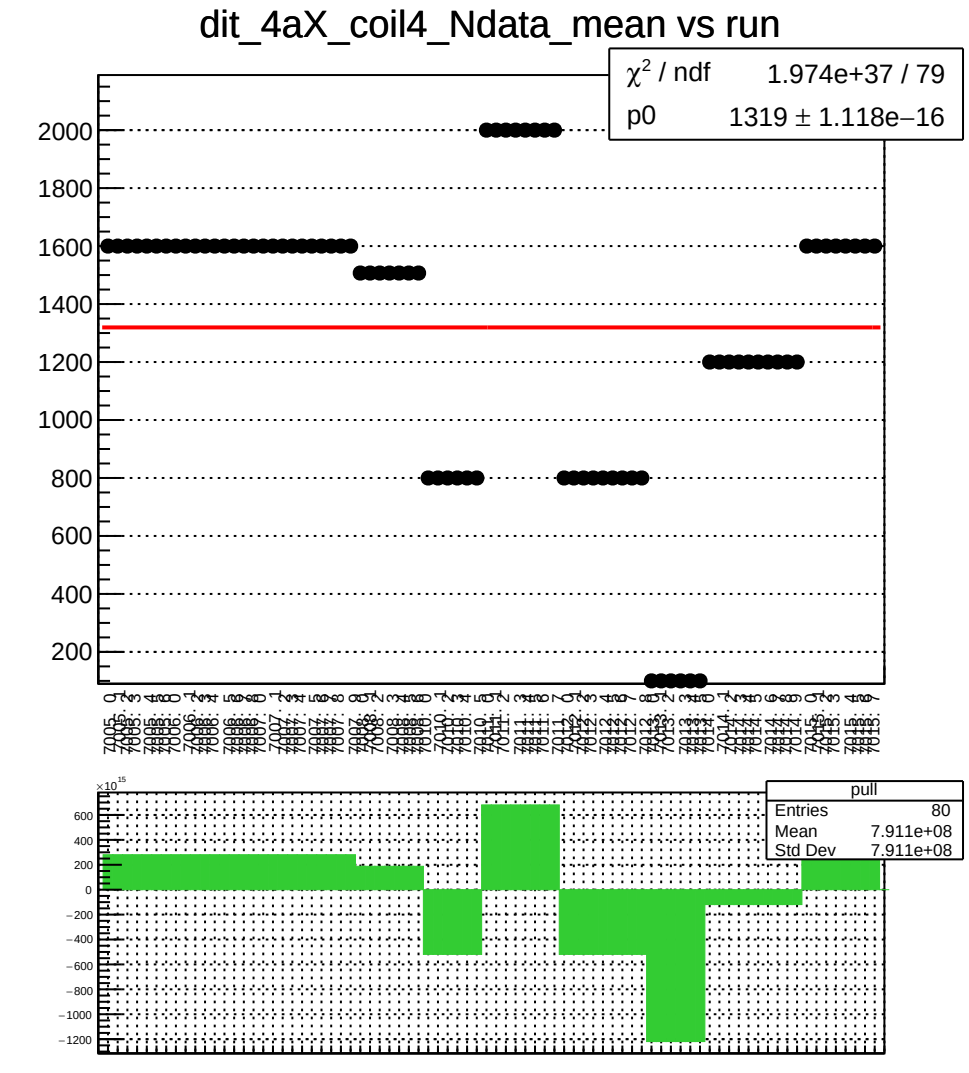

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08

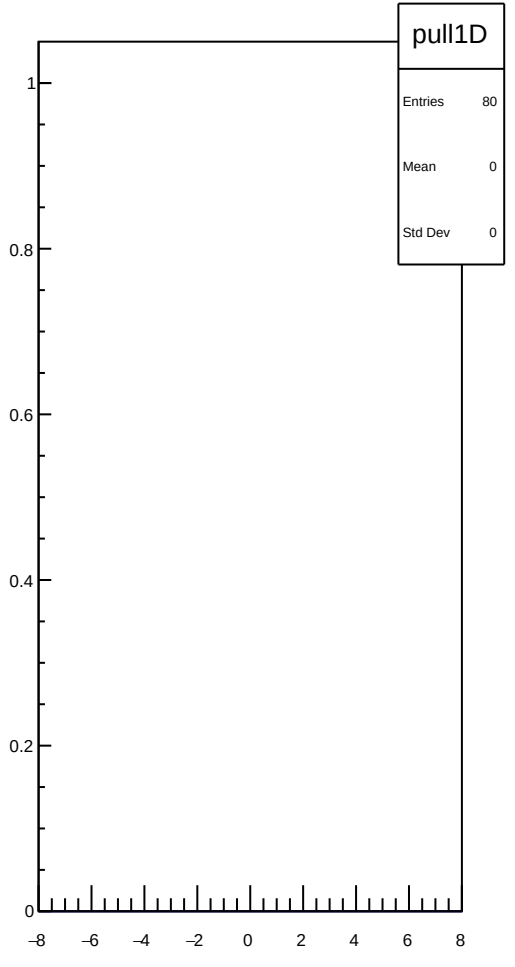

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

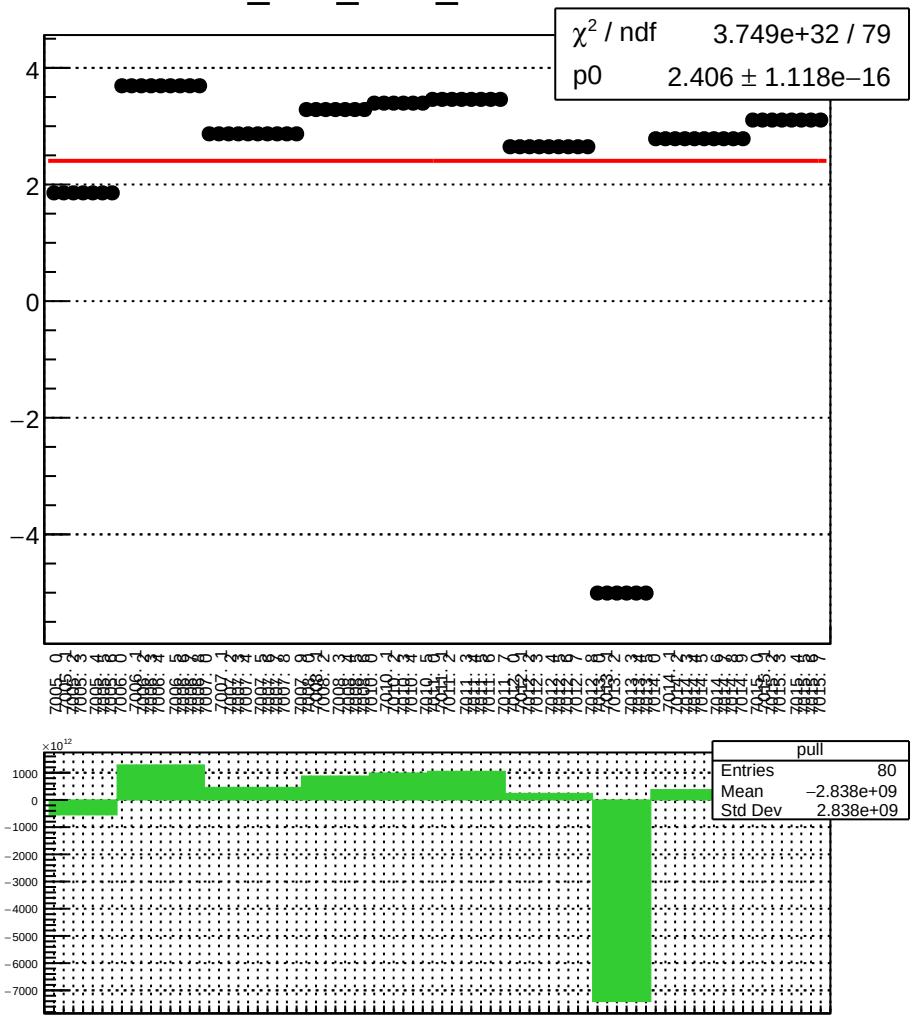

dit_4aX_coil4_mean vs run
χ² / ndf 3.256e+32 / 79
p0 –2.28 ± 1.118e–16
pull
Entries 80
Mean 2.853e+09
Std Dev 2.853e+09

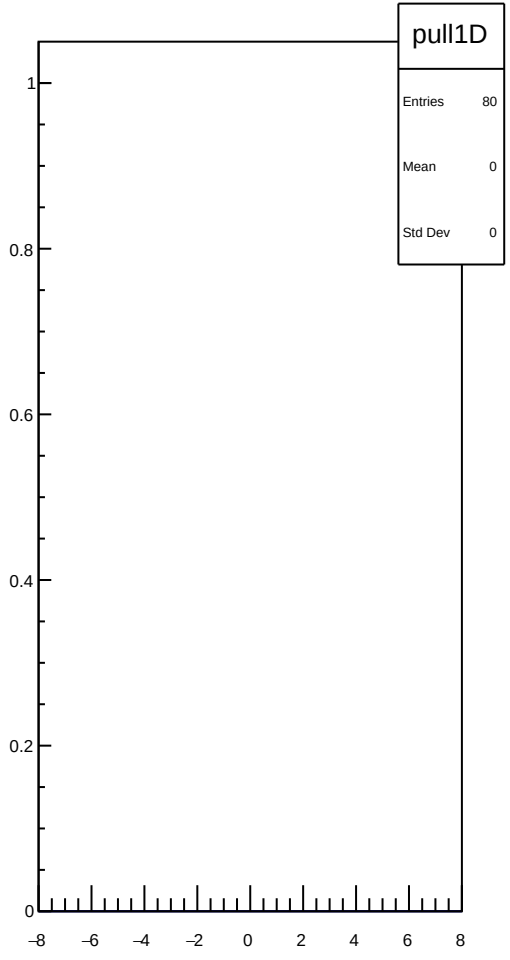

pull1D
Entries 80
Mean 0
Std Dev 0

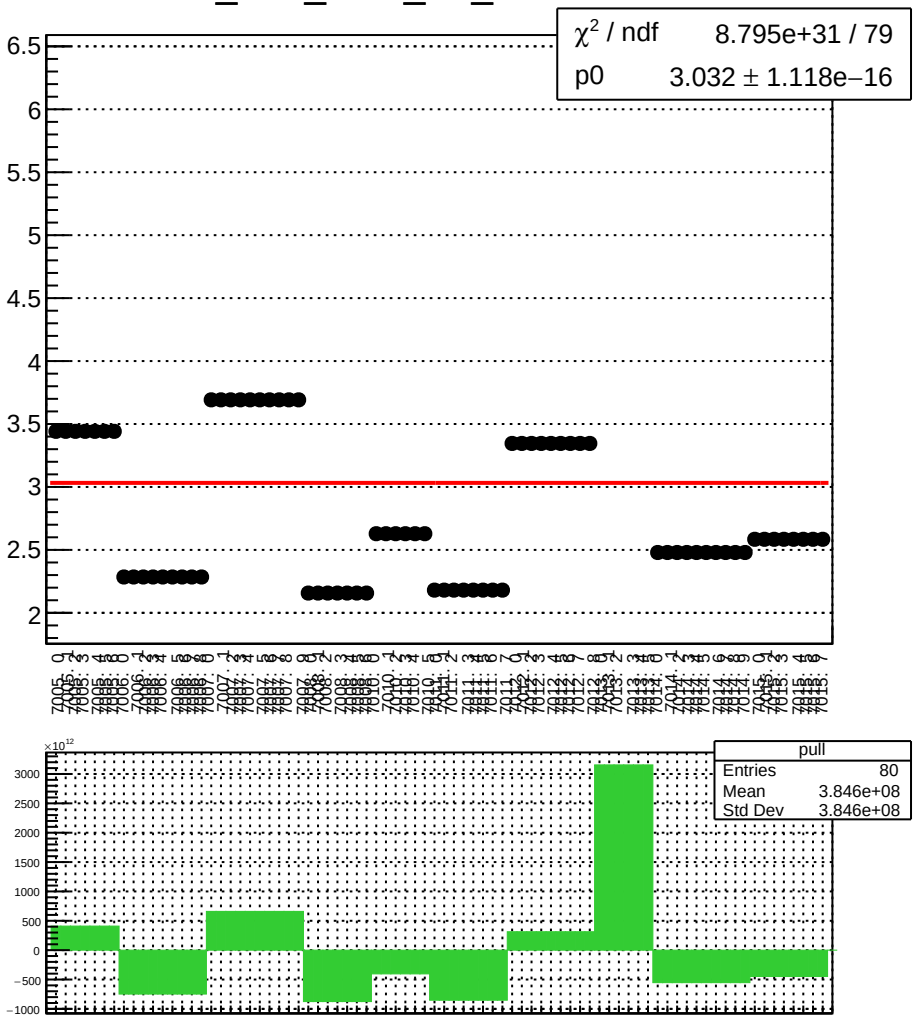

dit_4aX_coil4_err_mean vs run
χ² / ndf 1.087e+32 / 79
p0 2.605 ± 1.118e−16
pull
Entries 80
Mean 1.591e+09
Std Dev 1.591e+09
pull1D
Entries 80
Mean 0
Std Dev 0

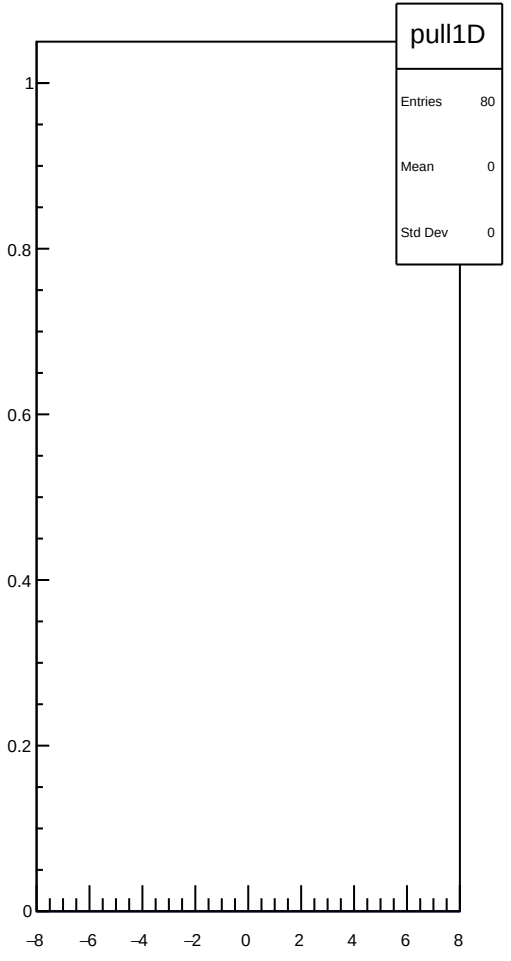

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08

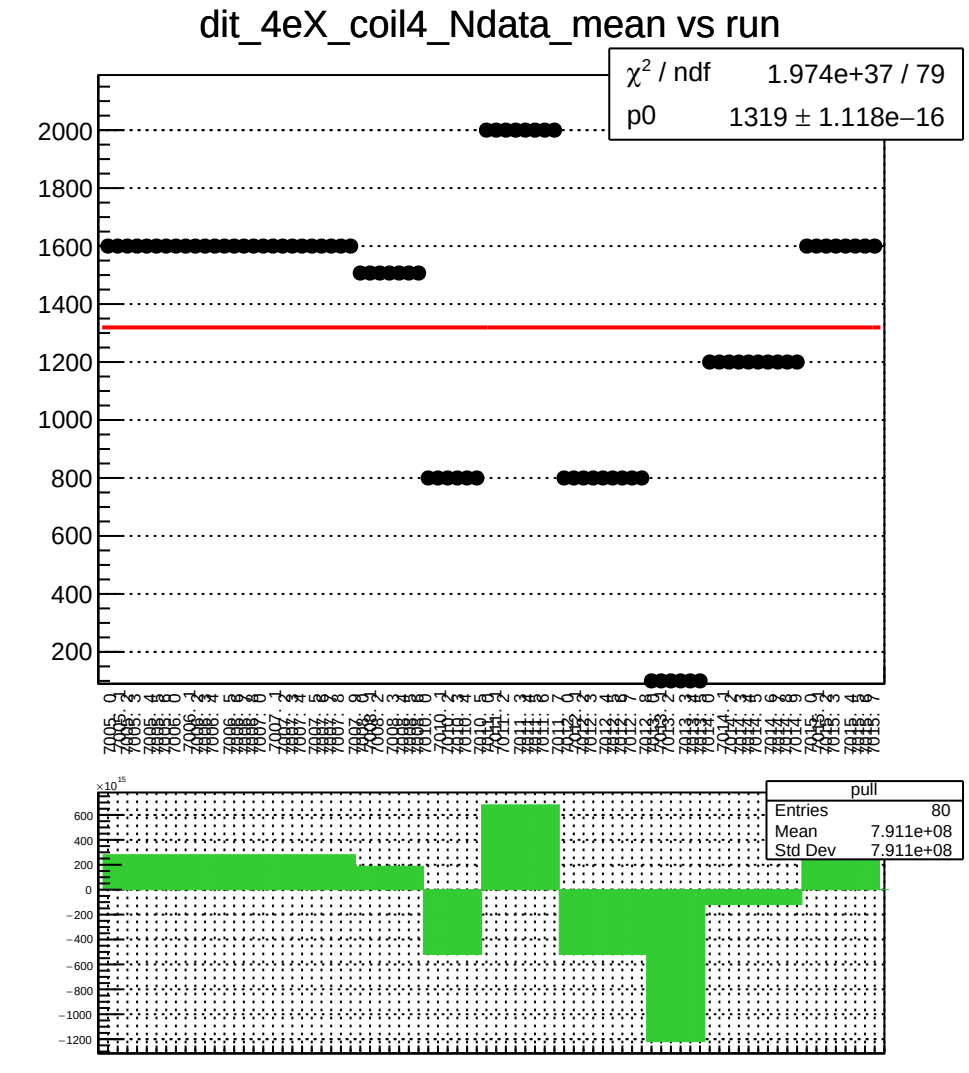

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

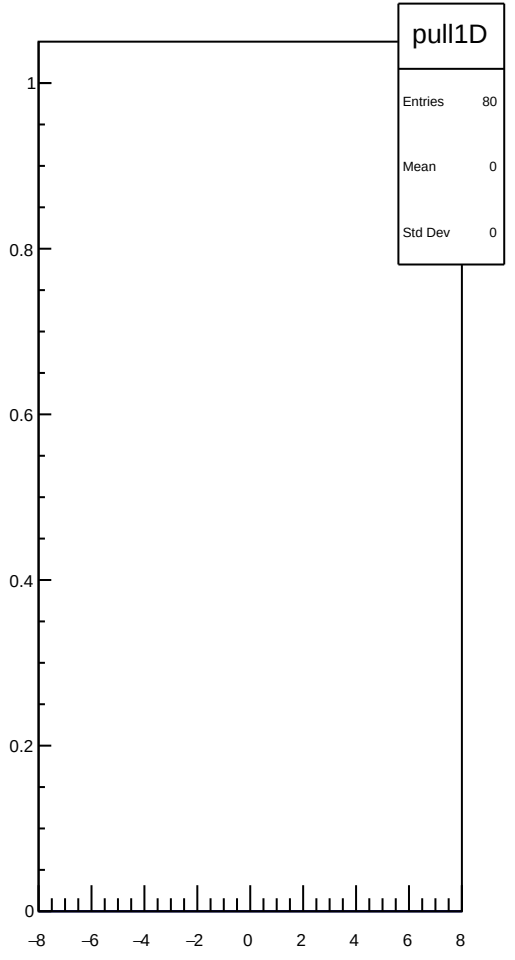

dit_4eX_coil4_mean vs run
χ² / ndf 3.749e+32 / 79
p0 2.406 ± 1.118e−16
pull
Entries 80
Mean −2.838e+09
Std Dev 2.838e+09

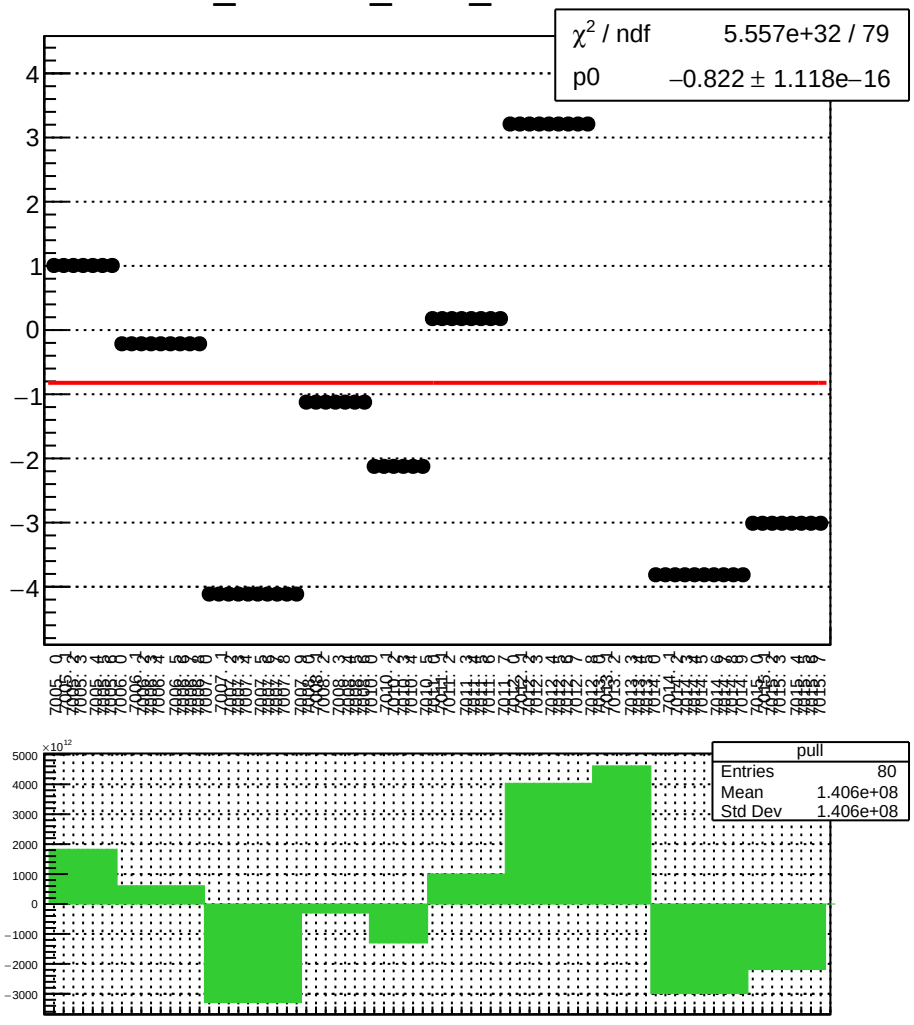

pull1D
Entries 80
Mean 0
Std Dev 0

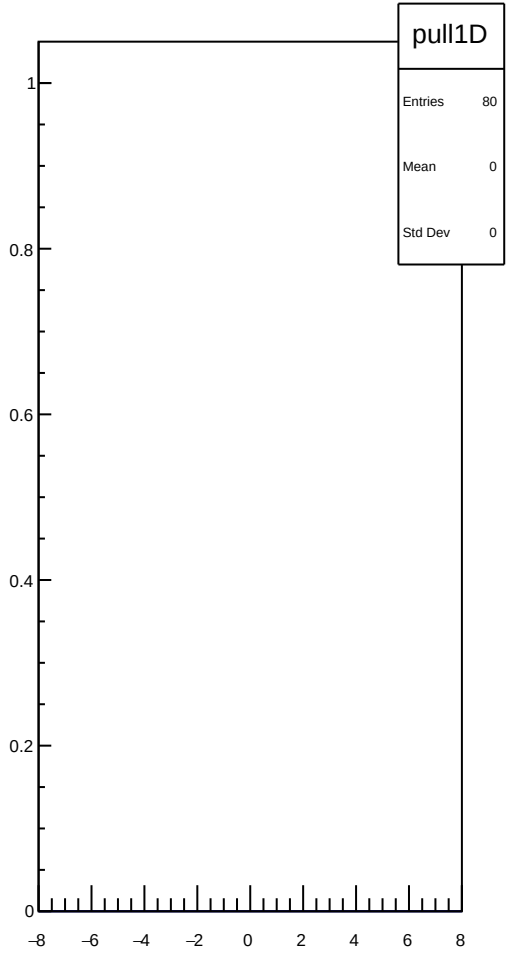

dit_4eX_coil4_err_mean vs run
χ² / ndf 8.795e+31 / 79
p0 3.032 ± 1.118e−16
pull
Entries 80
Mean 3.846e+08
Std Dev 3.846e+08


pull1D
Entries 80
Mean 0
Std Dev 0

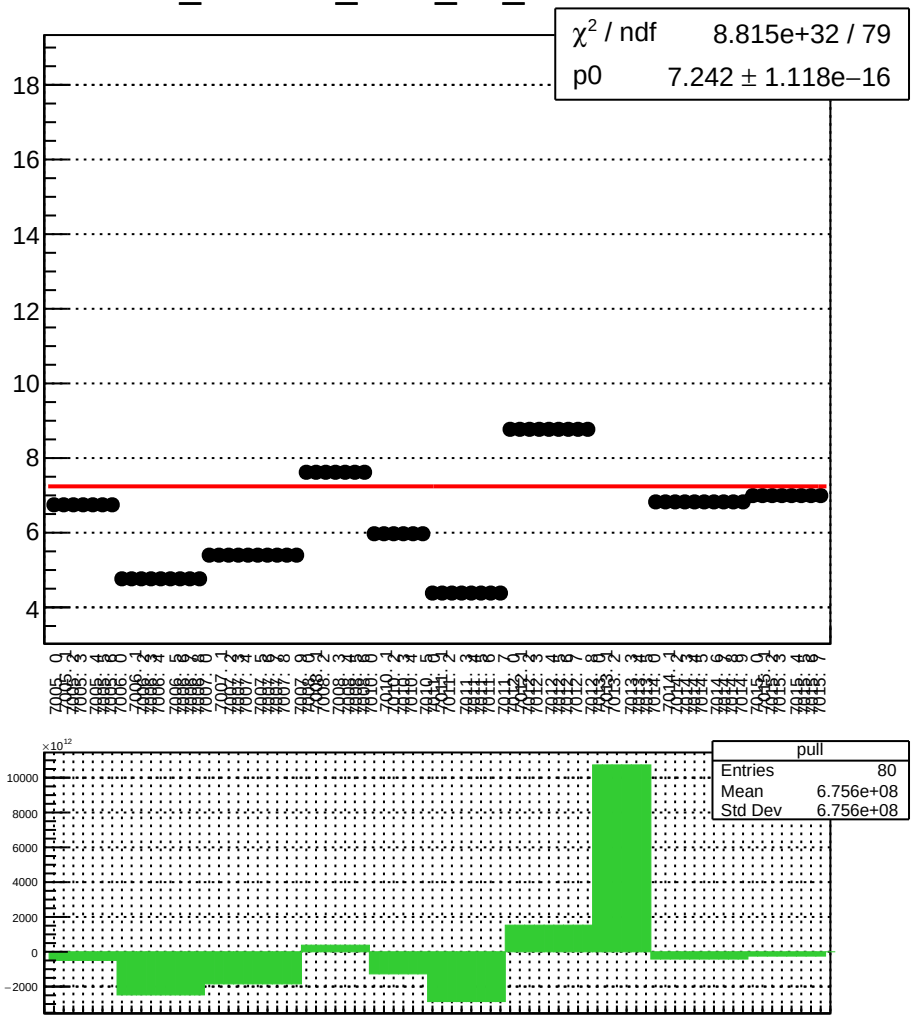

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

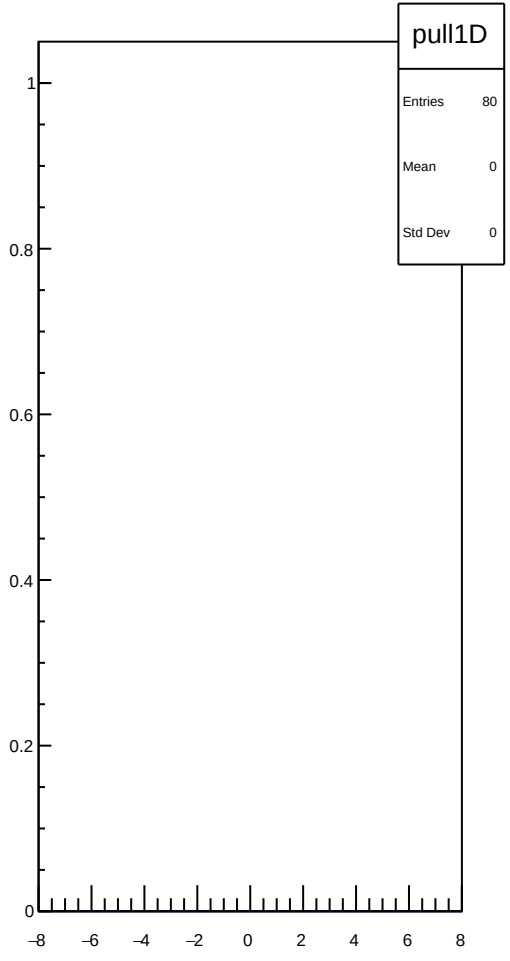

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

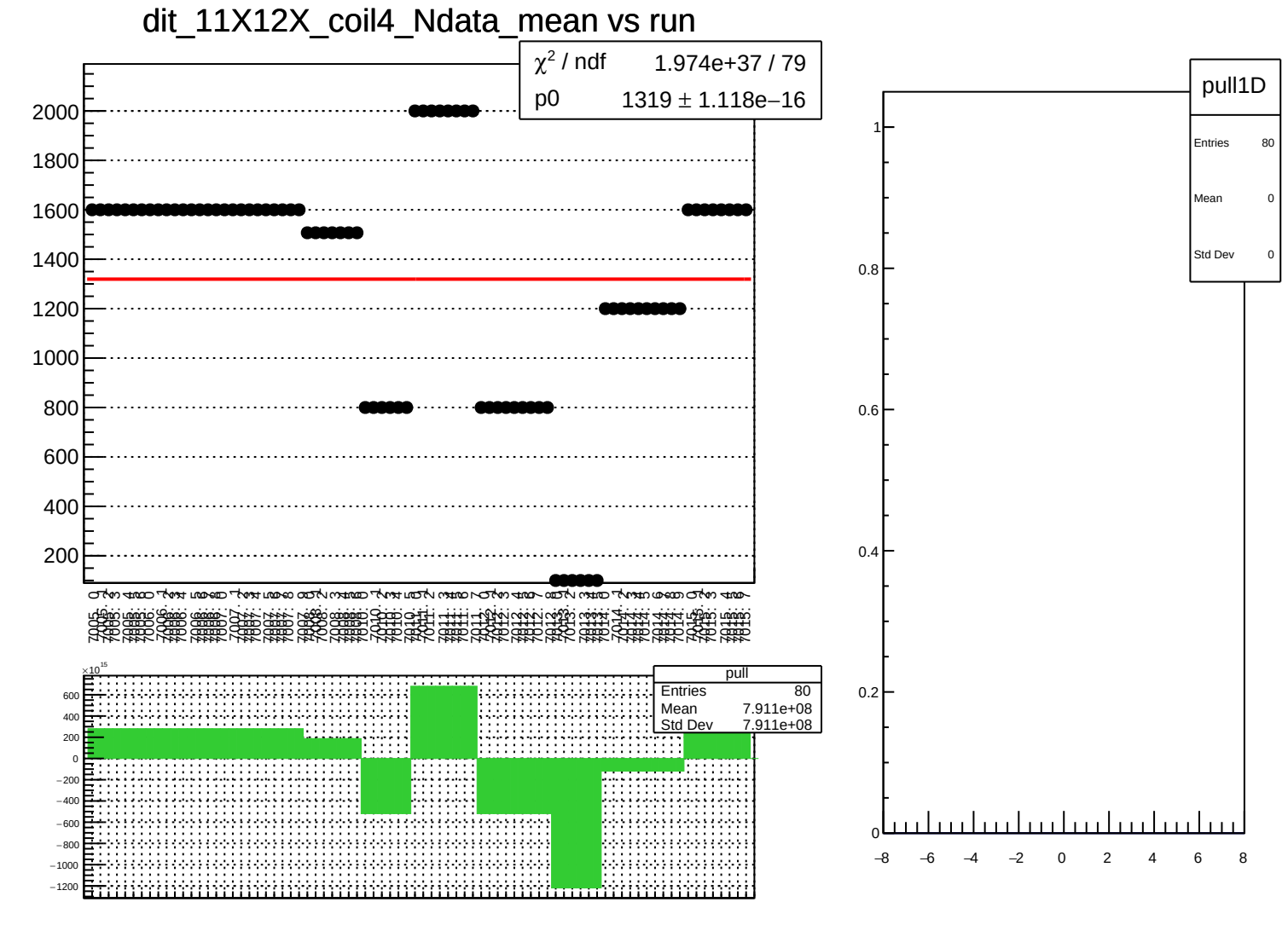

dit_11X12X_coil4_mean vs run
χ² / ndf 5.557e+32 / 79
p0 −0.822 ± 1.118e−16
pull
Entries 80
Mean 1.406e+08
Std Dev 1.406e+08
×10¹²

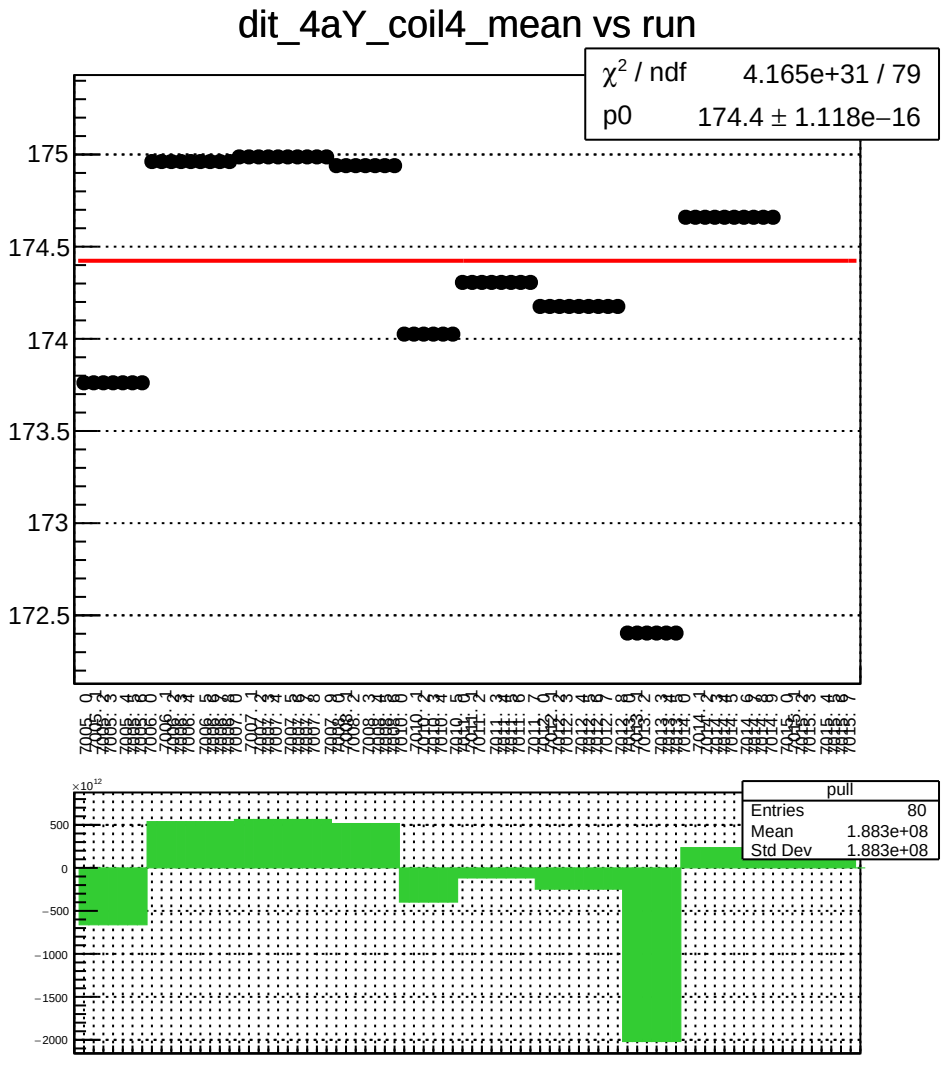

pull1D
Entries 80
Mean 0
Std Dev 0

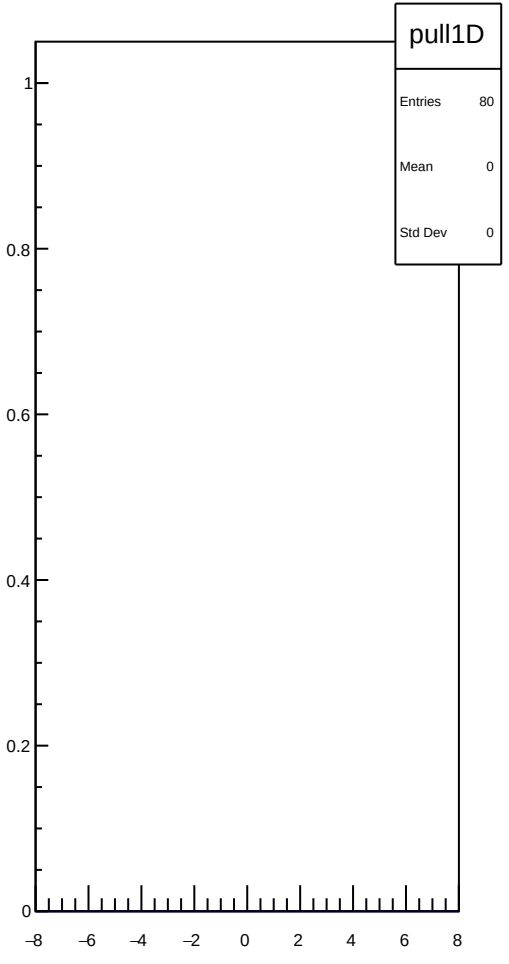
dit_11X12X_coil4_err_mean vs run

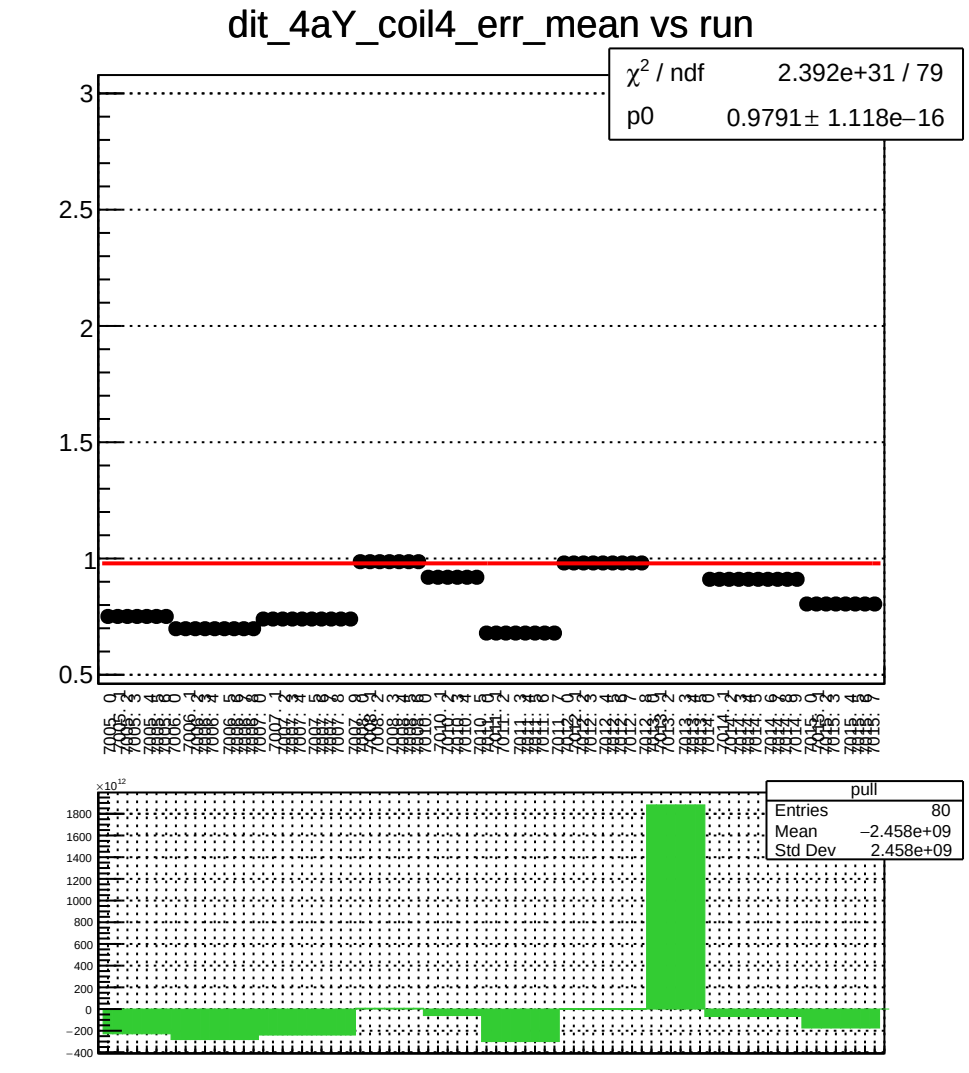


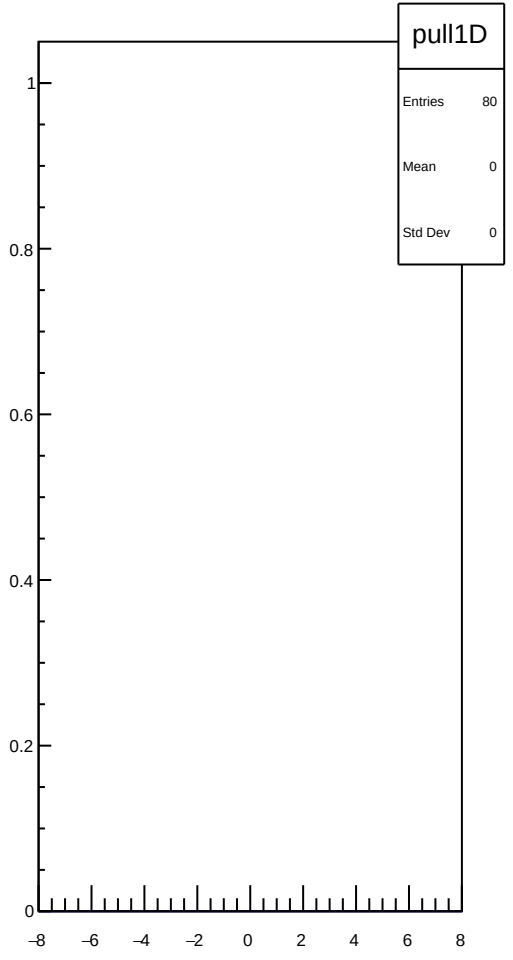


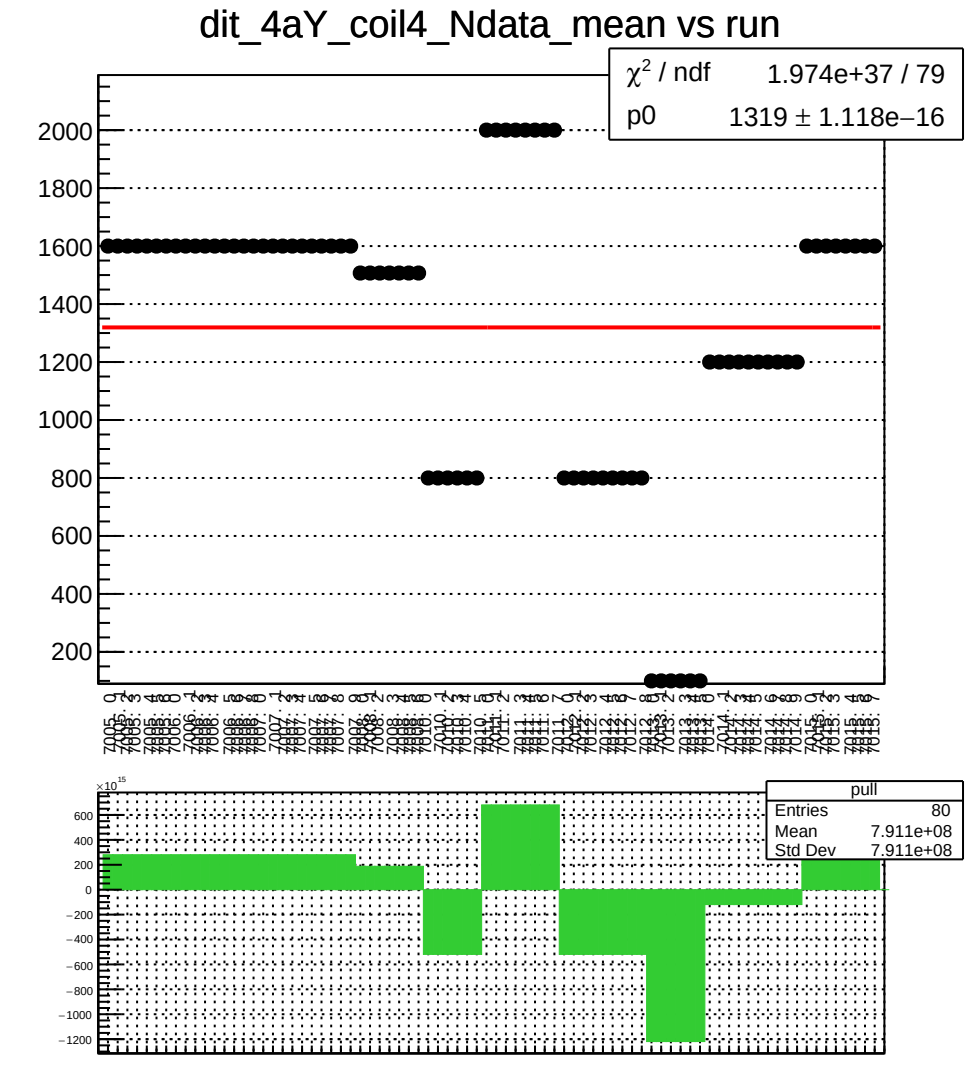

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

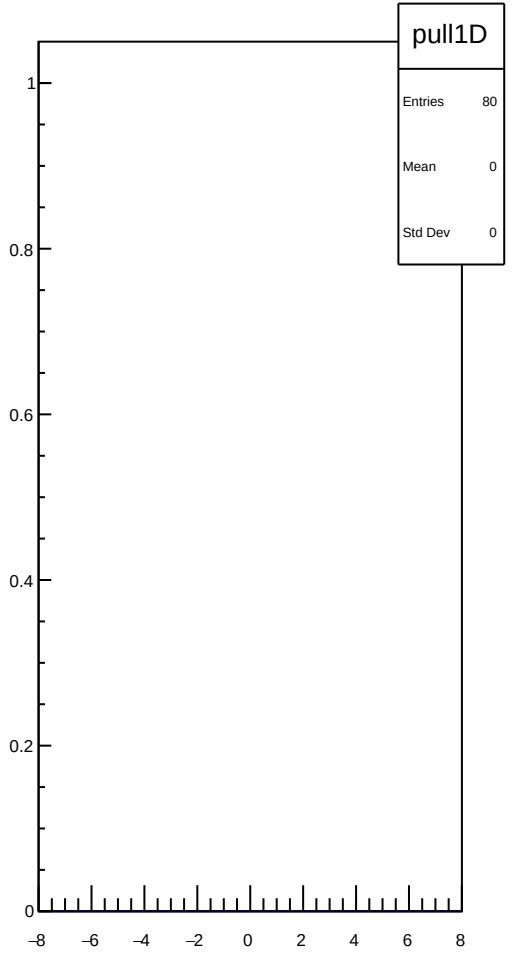

dit_4aY_coil4_mean vs run
χ² / ndf 4.165e+31 / 79
p0 174.4 ± 1.118e−16
175
174.5
174
173.5
173
172.5
pull
Entries 80
Mean 1.883e+08
Std Dev 1.883e+08
×10¹²
500
0
−500
−1000
−1500
−2000

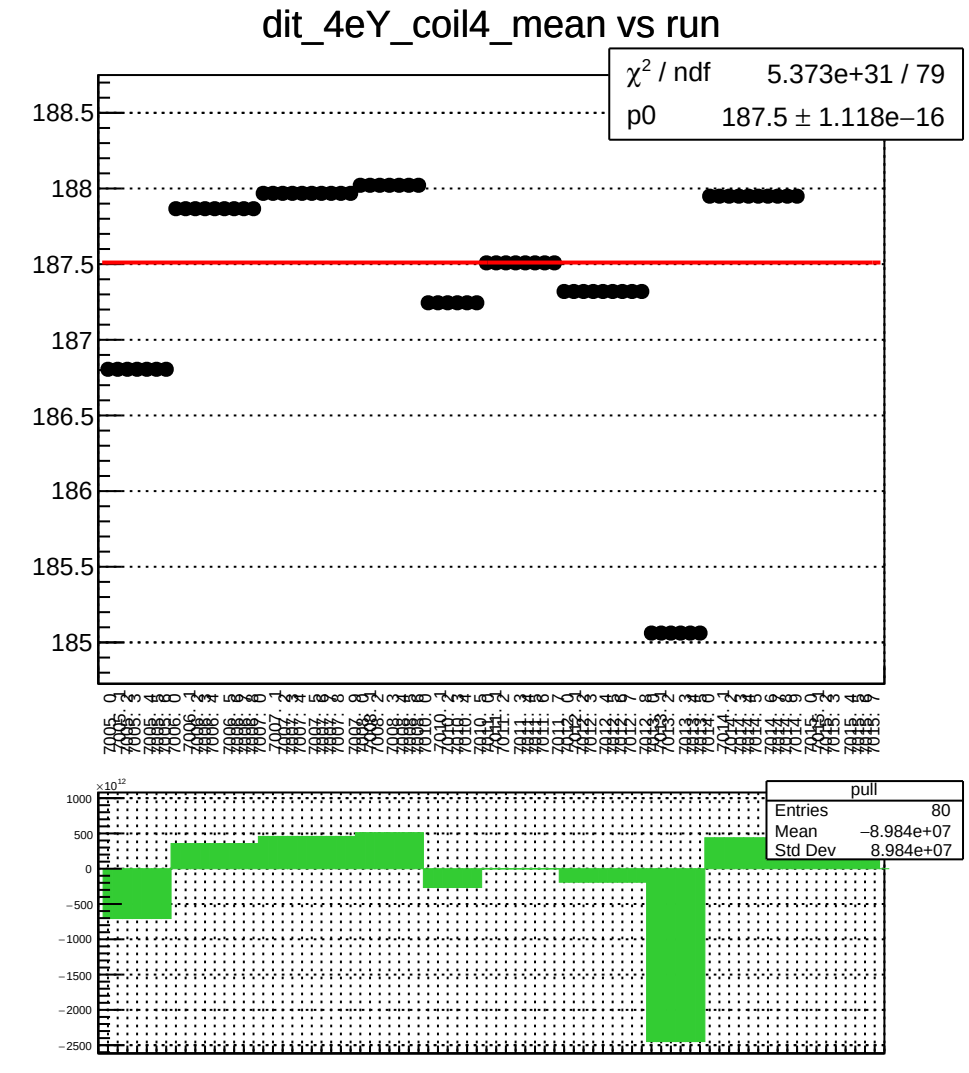

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

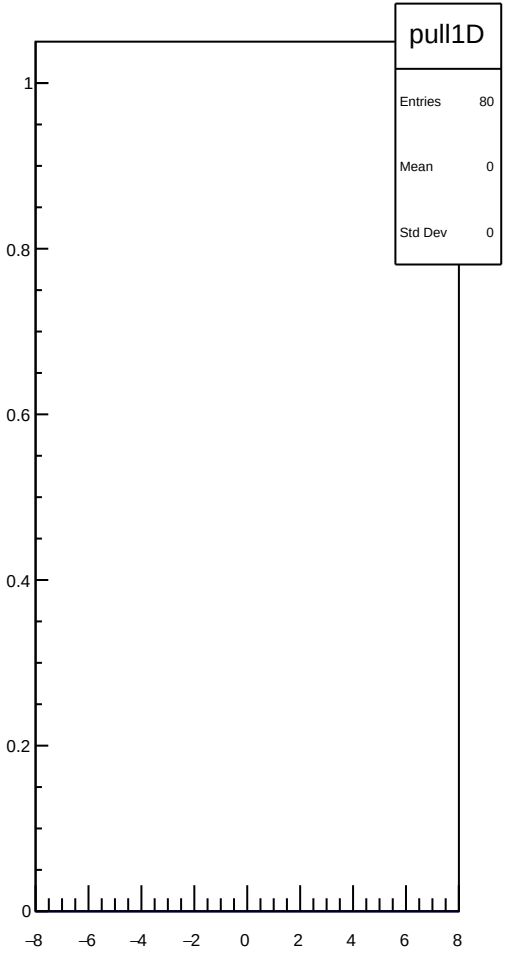

dit_4aY_coil4_err_mean vs run
χ² / ndf 2.392e+31 / 79
p0 0.9791± 1.118e−16
pull
Entries 80
Mean −2.458e+09
Std Dev 2.458e+09

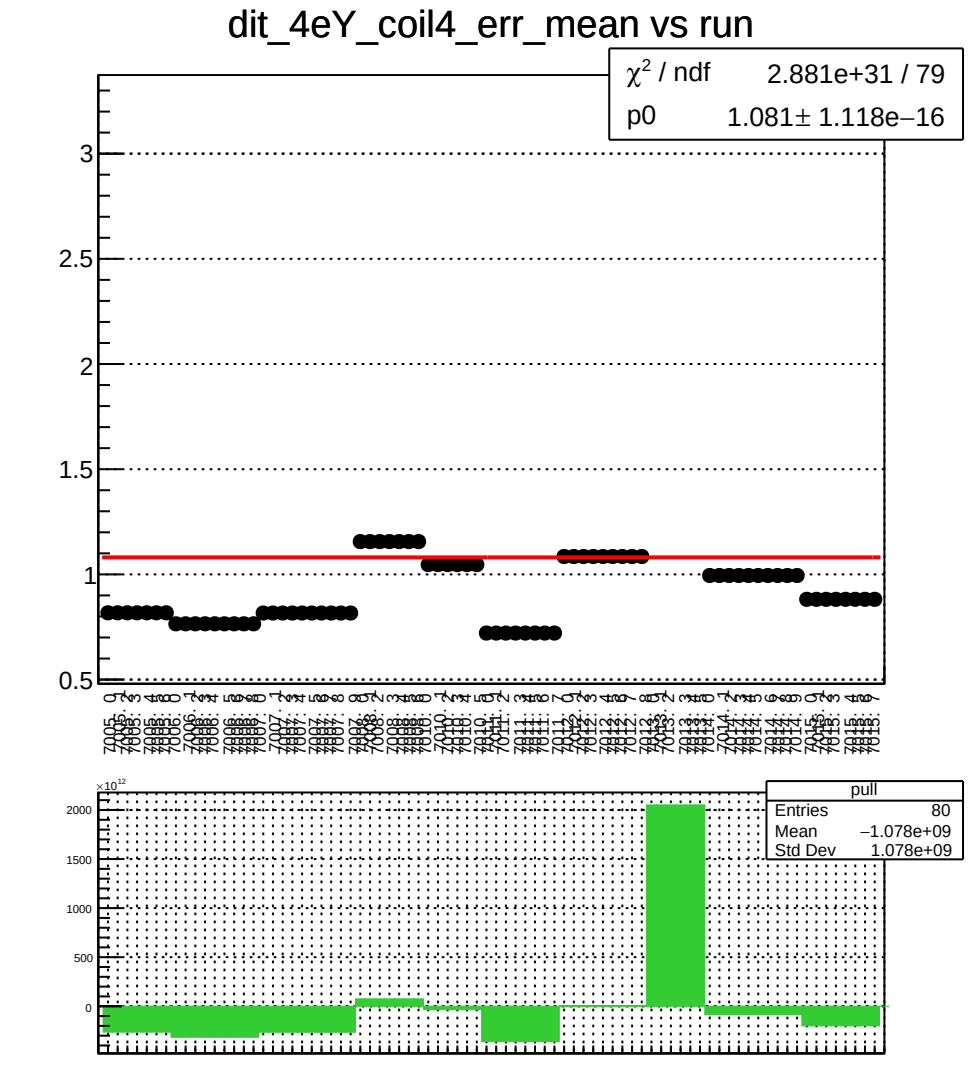

pull1D
Entries 80
Mean 0
Std Dev 0

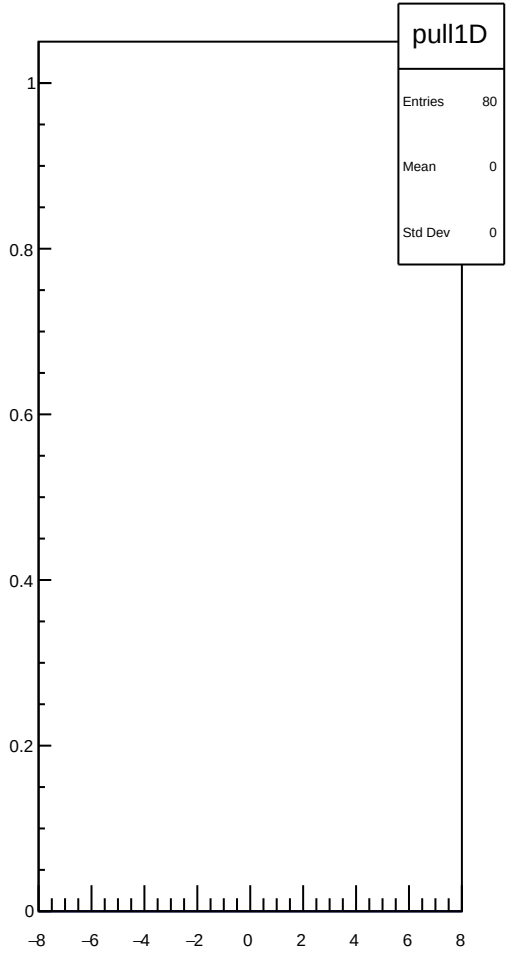

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08

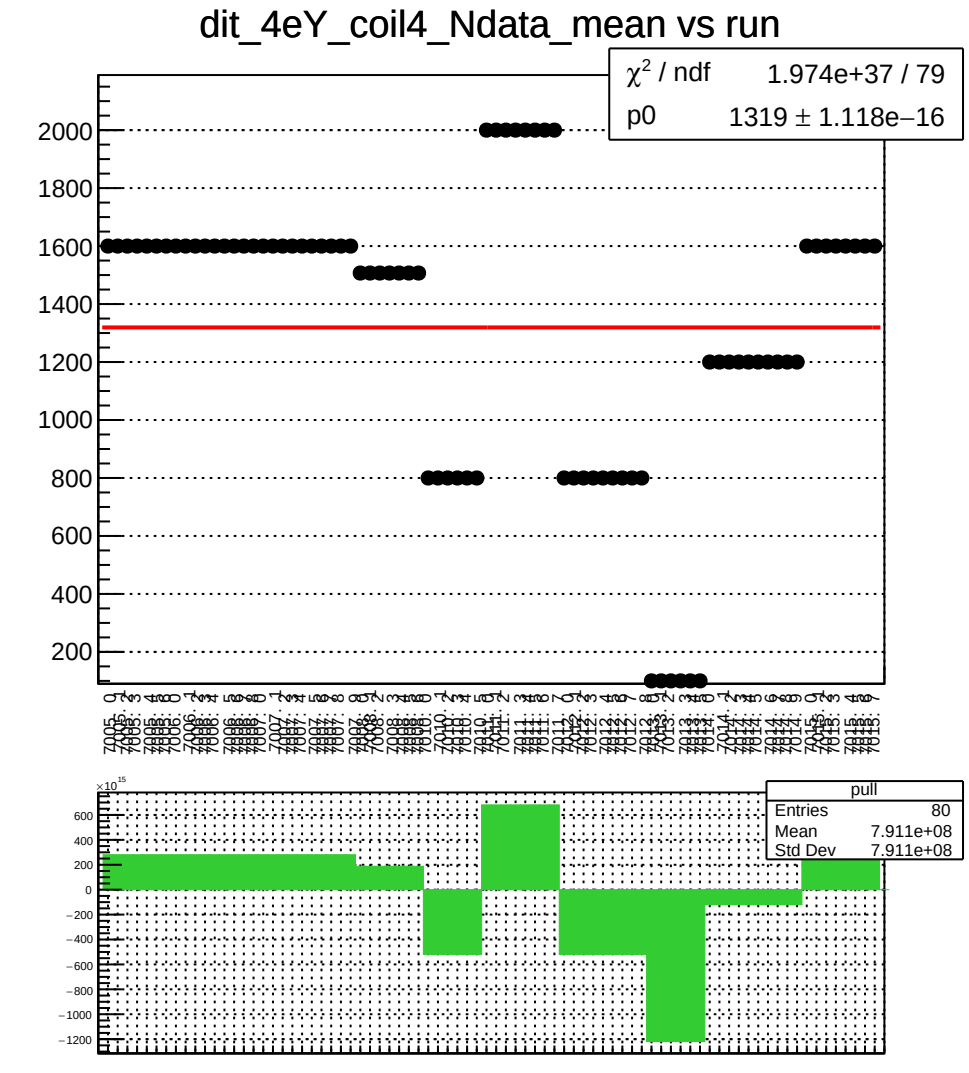

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

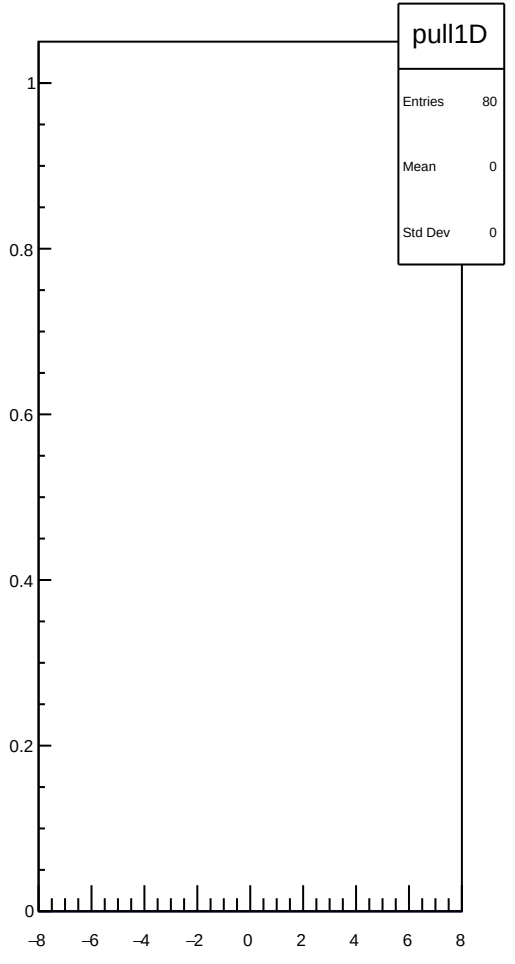

dit_4eY_coil4_mean vs run
χ² / ndf 5.373e+31 / 79
p0 187.5 ± 1.118e−16
188.5
188
187.5
187
186.5
186
185.5
185
pull
Entries 80
Mean −8.984e+07
Std Dev 8.984e+07
×10¹²
1000
500
0
−500
−1000
−1500
−2000
−2500

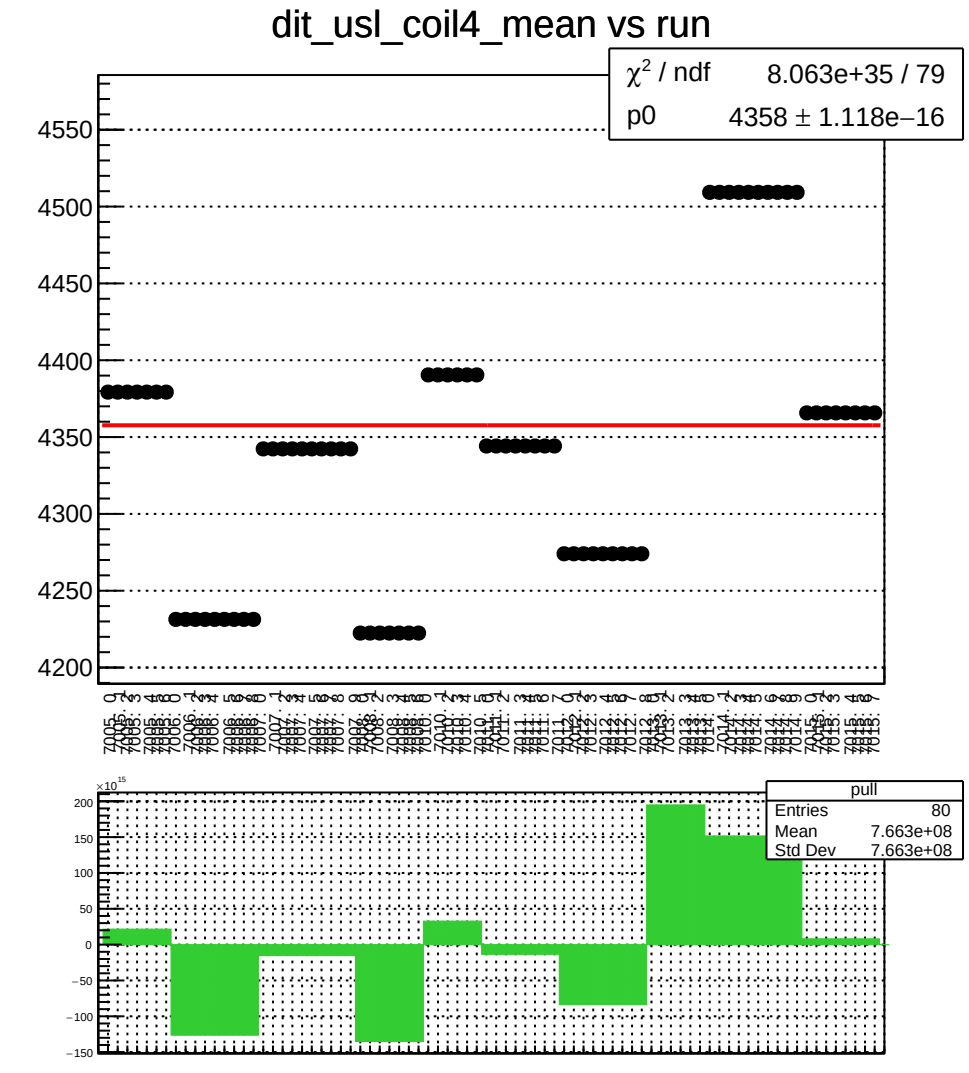

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

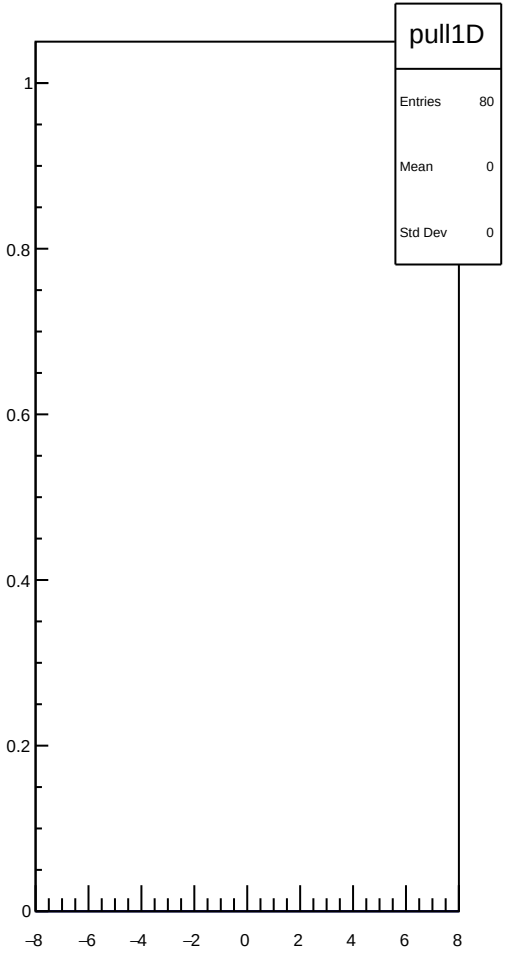

dit_4eY_coil4_err_mean vs run
χ² / ndf 2.881e+31 / 79
p0 1.081± 1.118e−16
pull
Entries 80
Mean −1.078e+09
Std Dev 1.078e+09
×10¹²

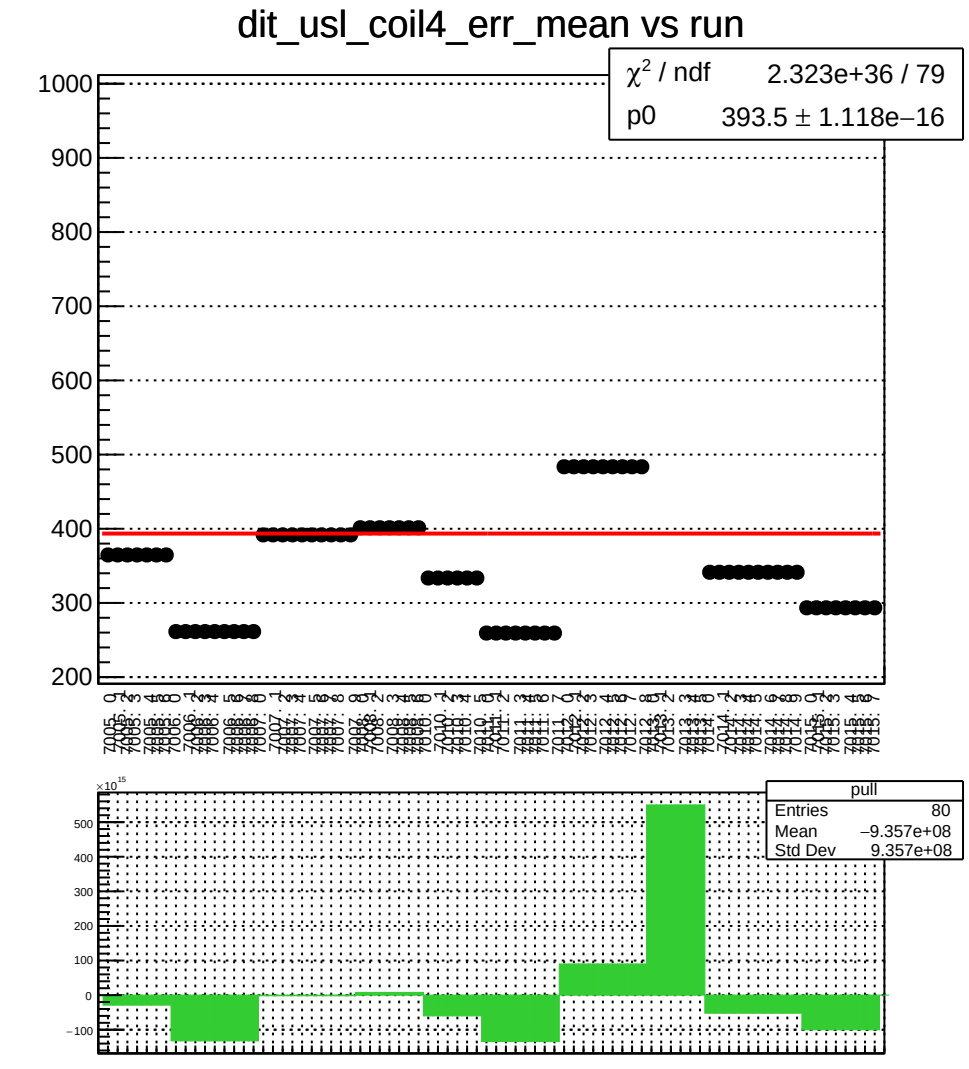

pull1D
Entries 80
Mean 0
Std Dev 0

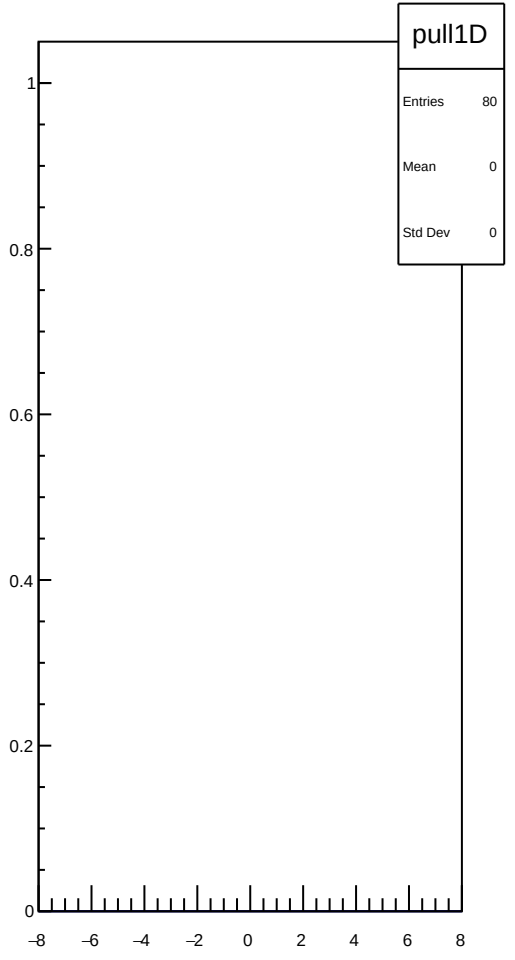

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

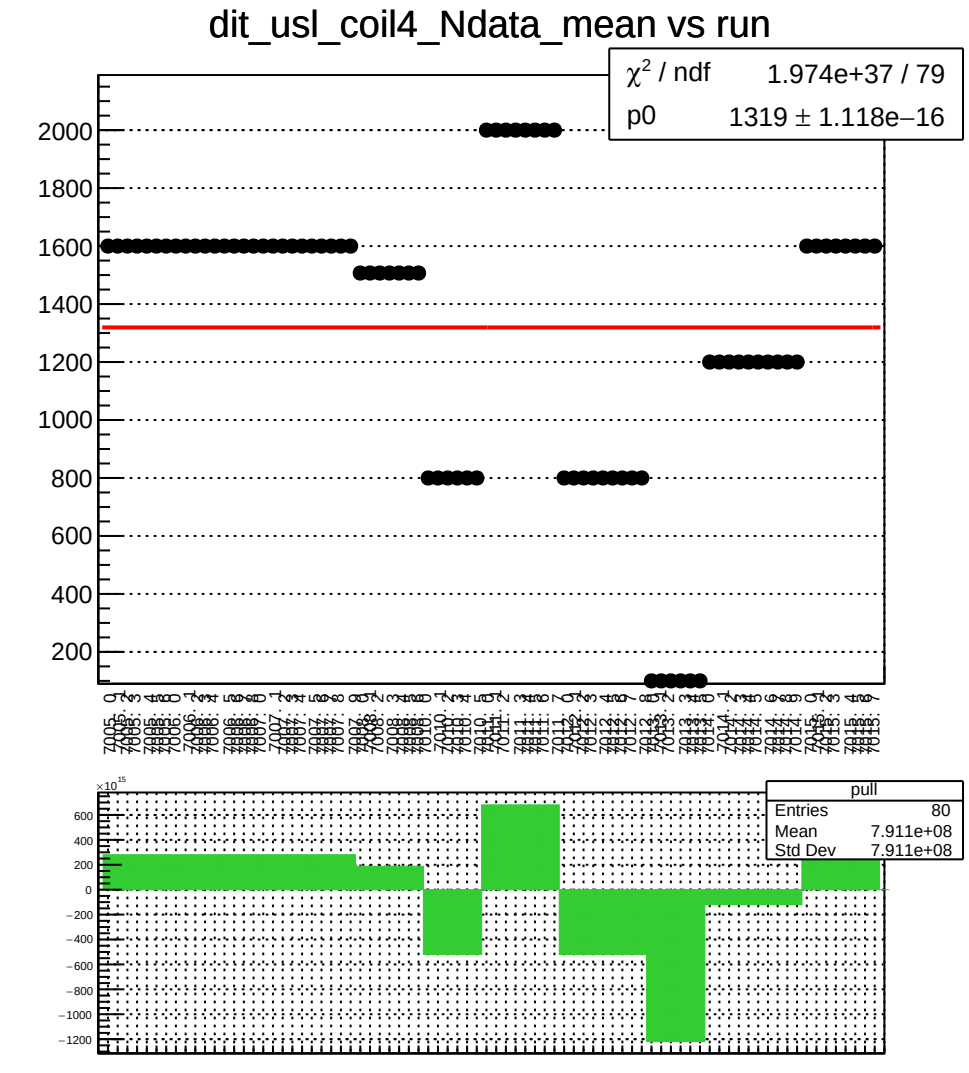

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

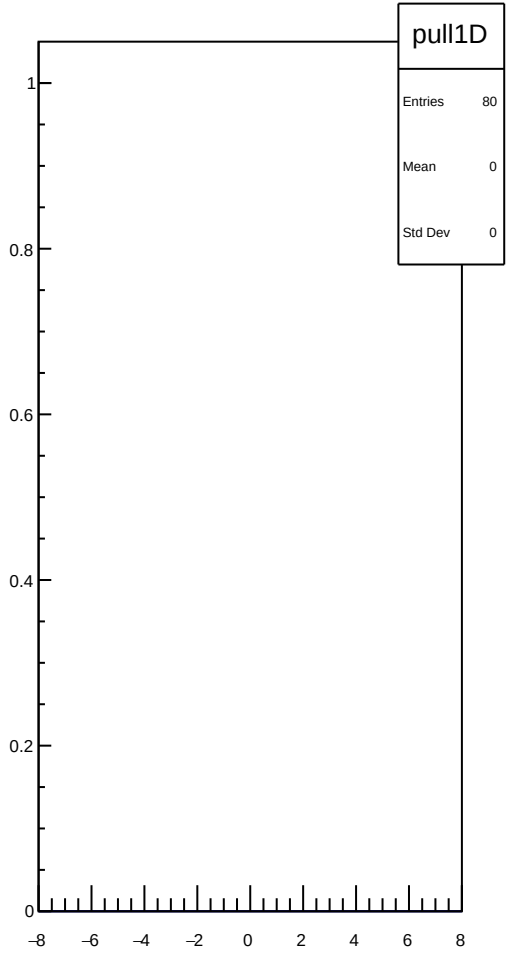

dit_usl_coil4_mean vs run
χ² / ndf 8.063e+35 / 79
p0 4358 ± 1.118e−16
4550
4500
4450
4400
4350
4300
4250
4200
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean 7.663e+08
Std Dev 7.663e+08

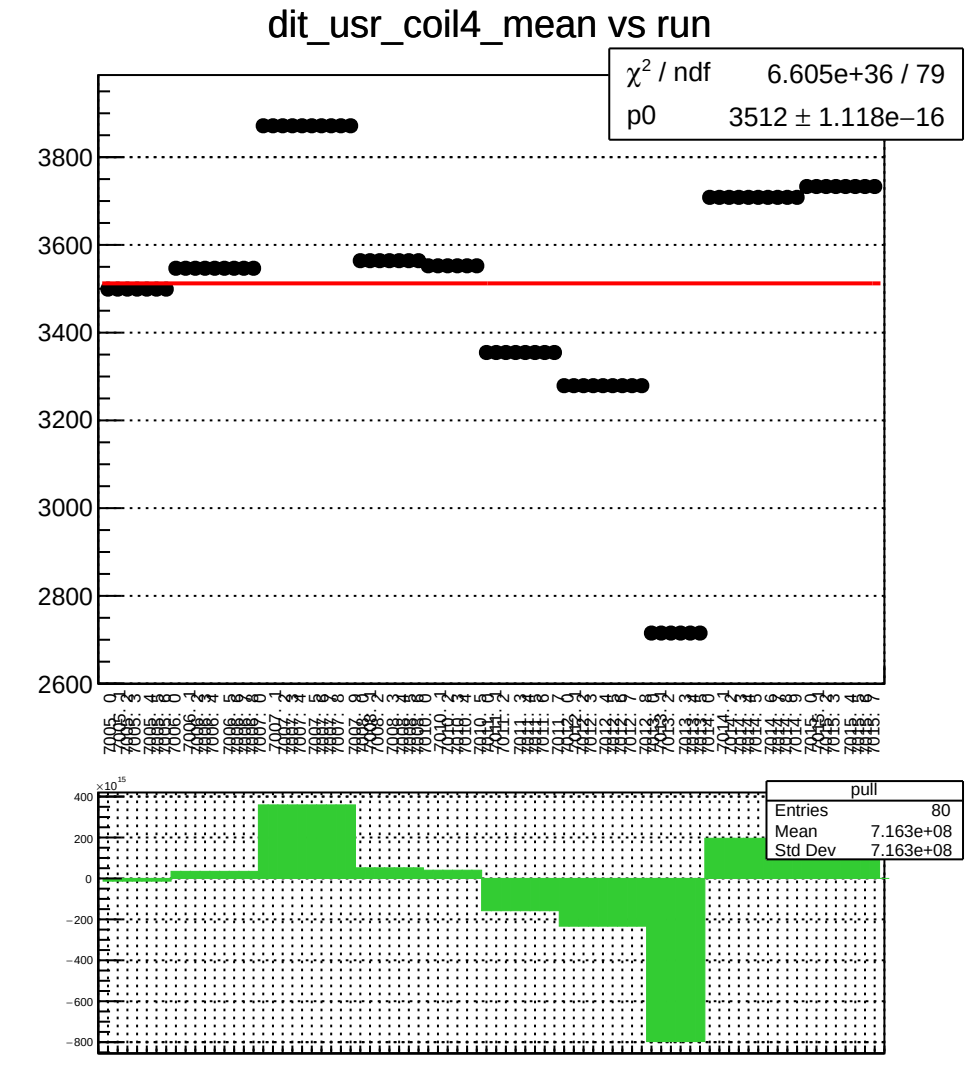

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

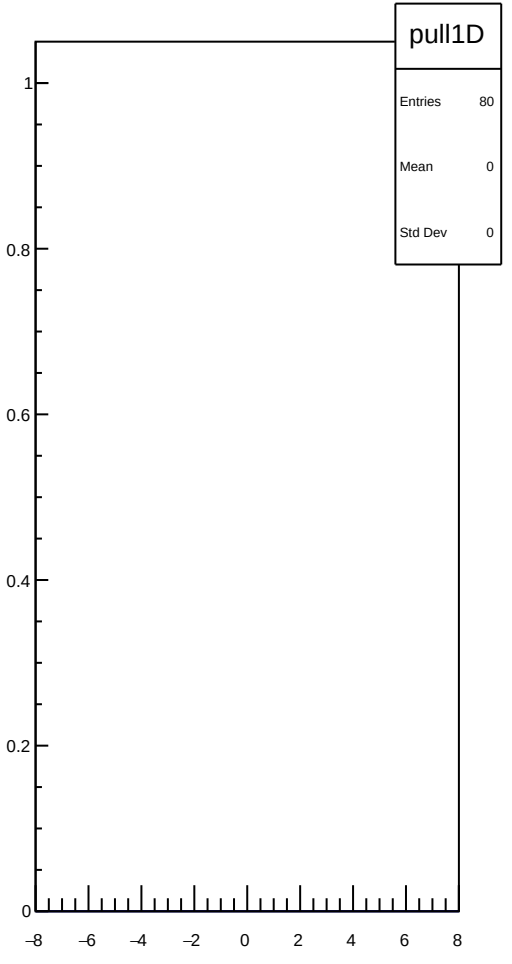

dit_usl_coil4_err_mean vs run
χ² / ndf 2.323e+36 / 79
p0 393.5 ± 1.118e−16
1000
900
800
700
600
500
400
300
200
pull
Entries 80
Mean −9.357e+08
Std Dev 9.357e+08
×10¹⁵
500
400
300
200
100
0
−100

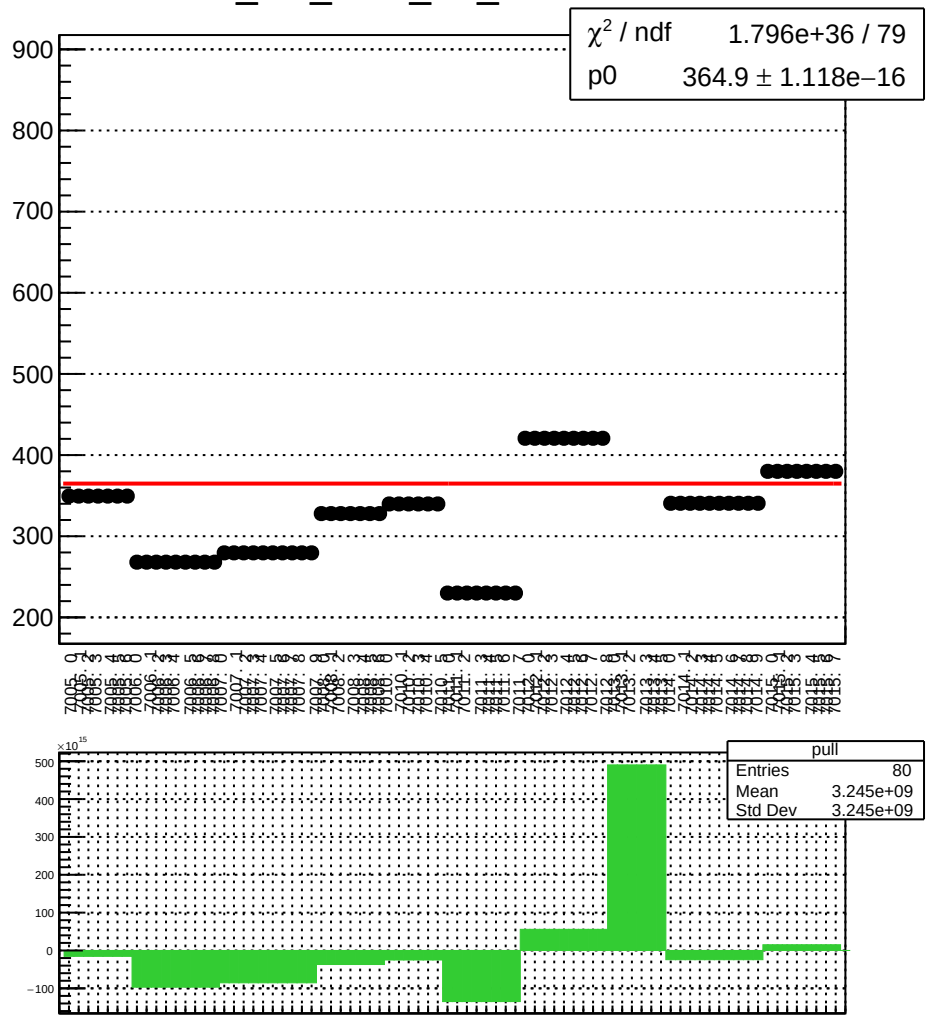

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

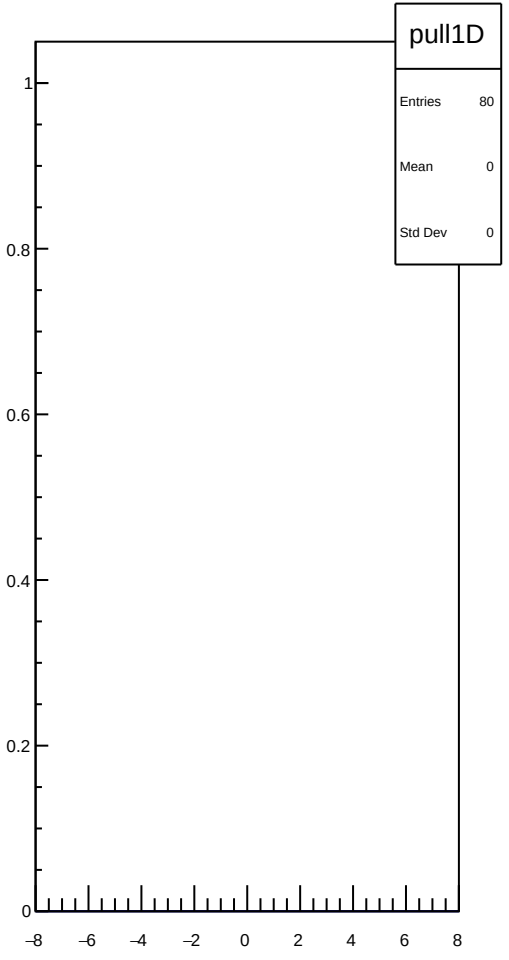

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵

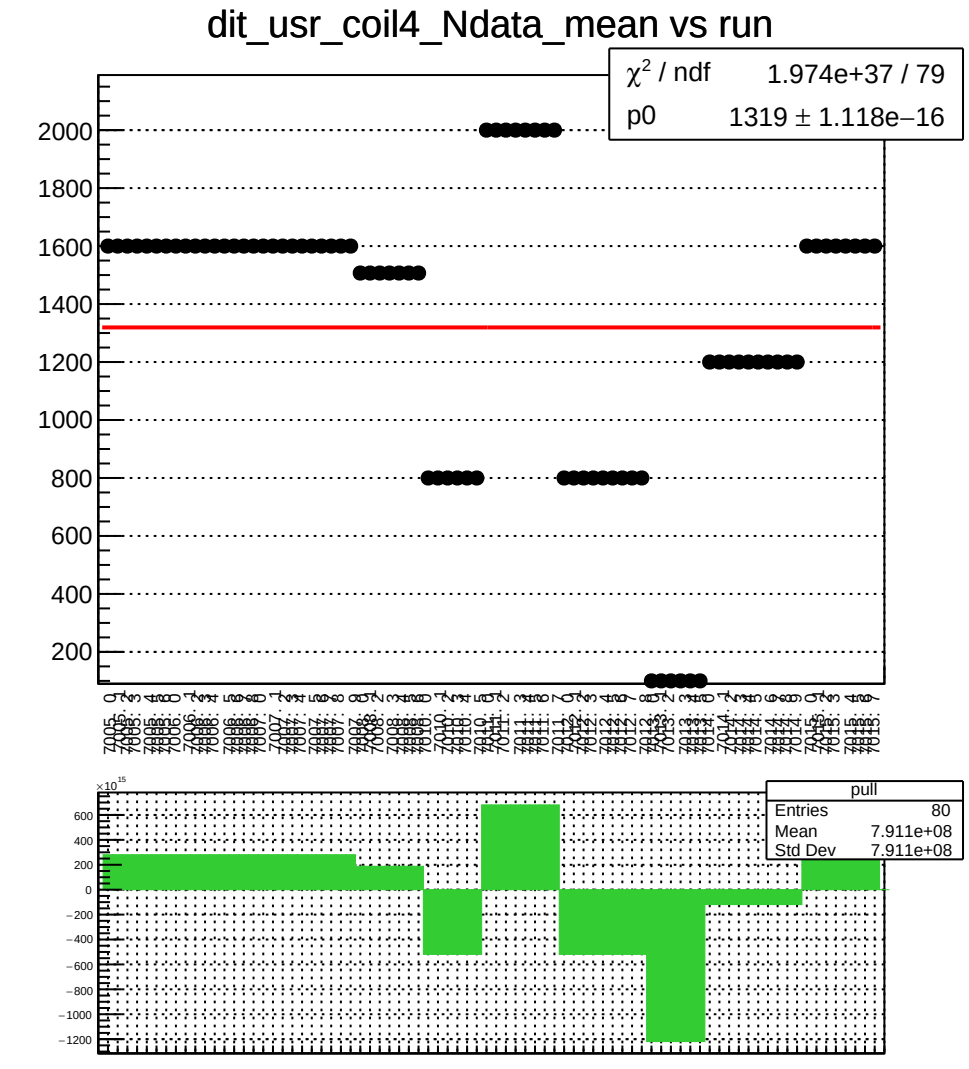

pull1D
Entries 80
Mean 0
Std Dev 0

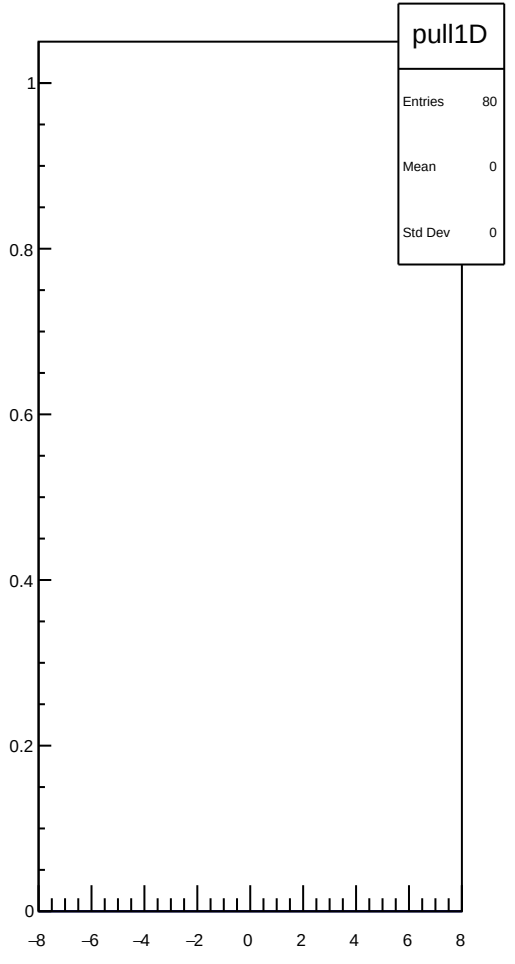

dit_usr_coil4_mean vs run
χ² / ndf 6.605e+36 / 79
p0 3512 ± 1.118e−16
3800
3600
3400
3200
3000
2800
2600
×10¹⁵
400
200
0
−200
−400
−600
−800
pull
Entries 80
Mean 7.163e+08
Std Dev 7.163e+08

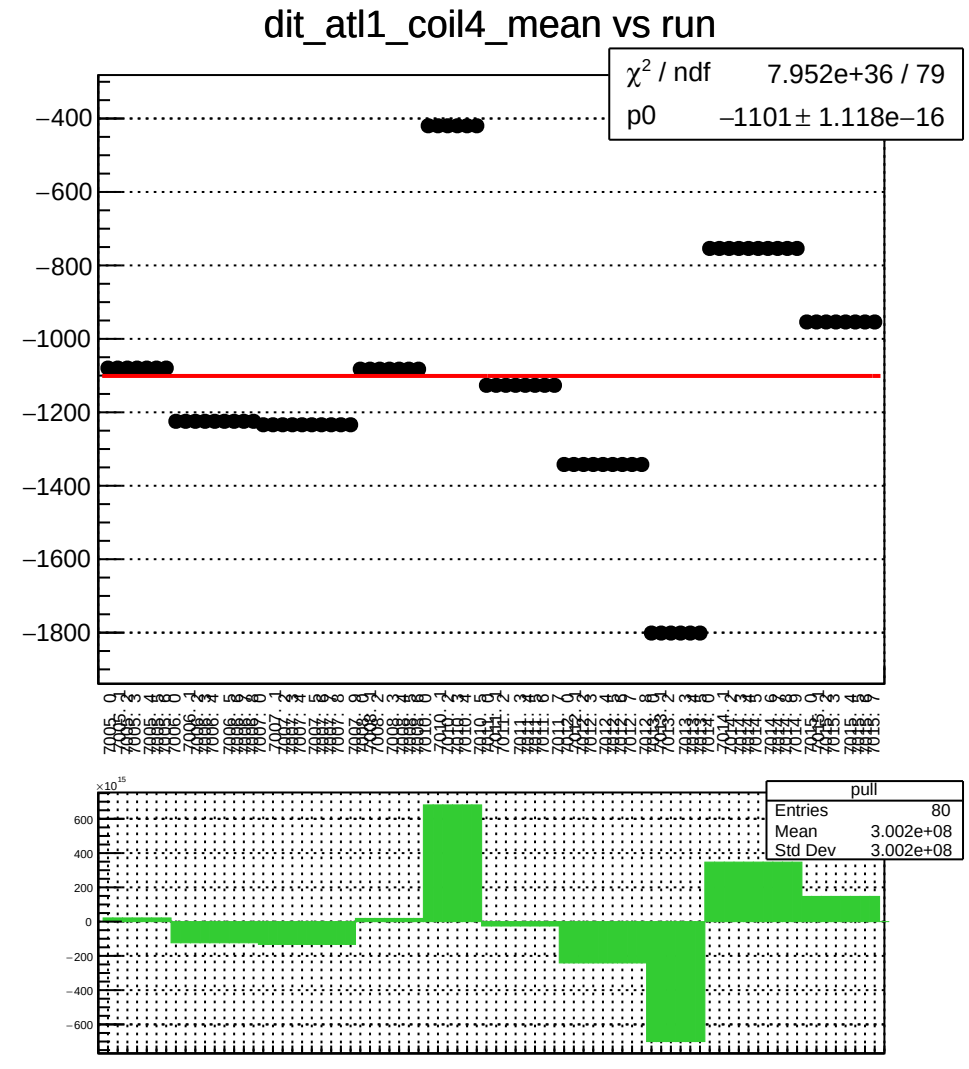

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

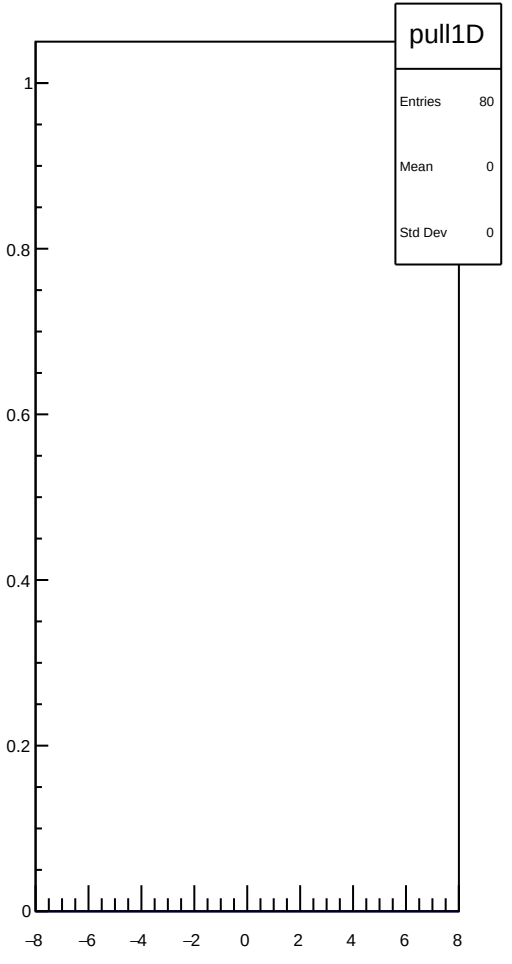

dit_usr_coil4_err_mean vs run
χ² / ndf 1.796e+36 / 79
p0 364.9 ± 1.118e−16
900
800
700
600
500
400
300
200
×10¹⁵
500
400
300
200
100
0
−100
pull
Entries 80
Mean 3.245e+09
Std Dev 3.245e+09

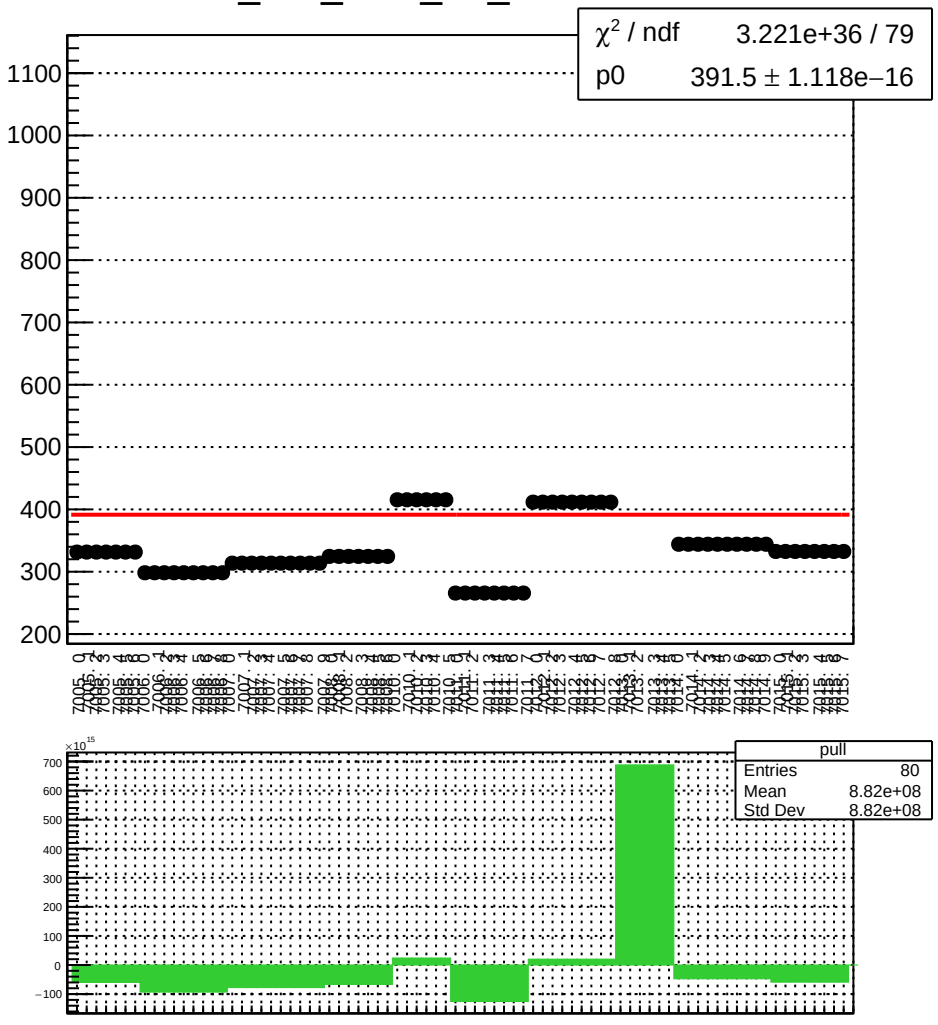

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

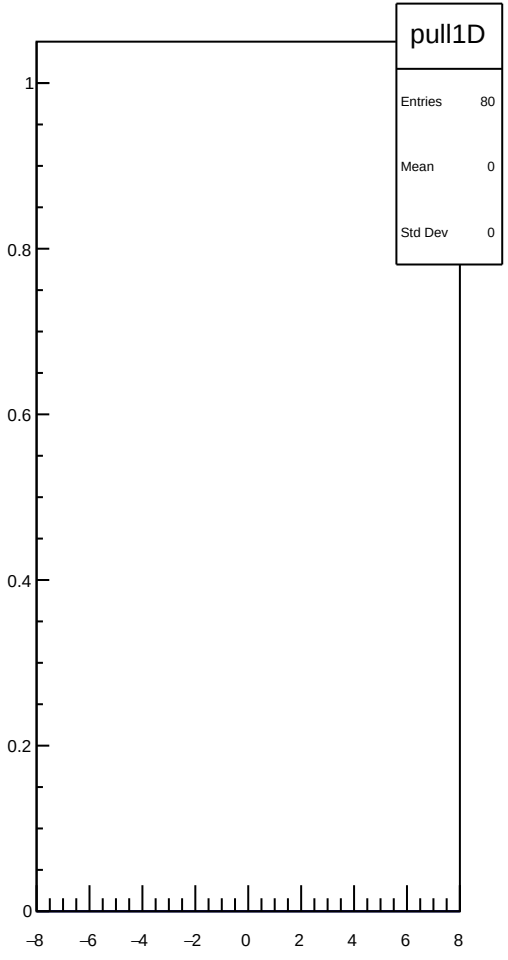

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08

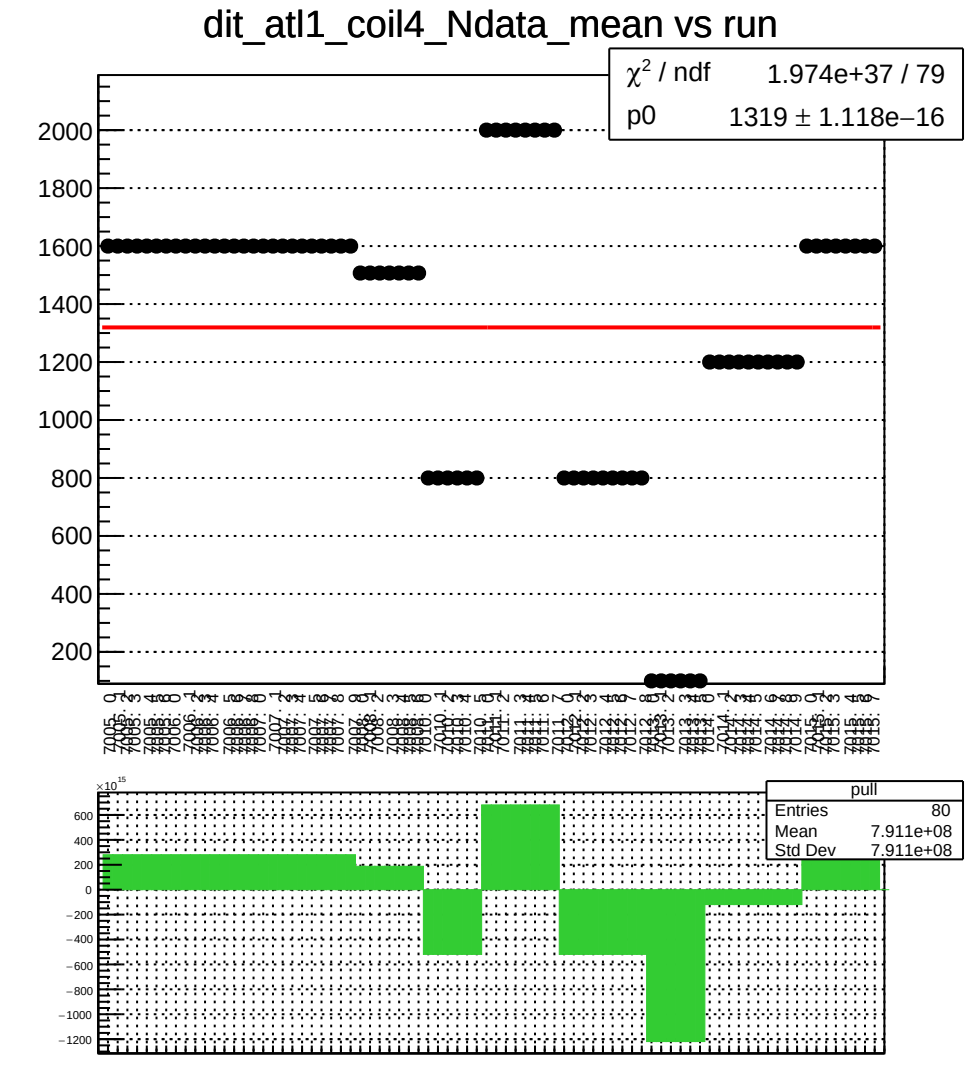

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

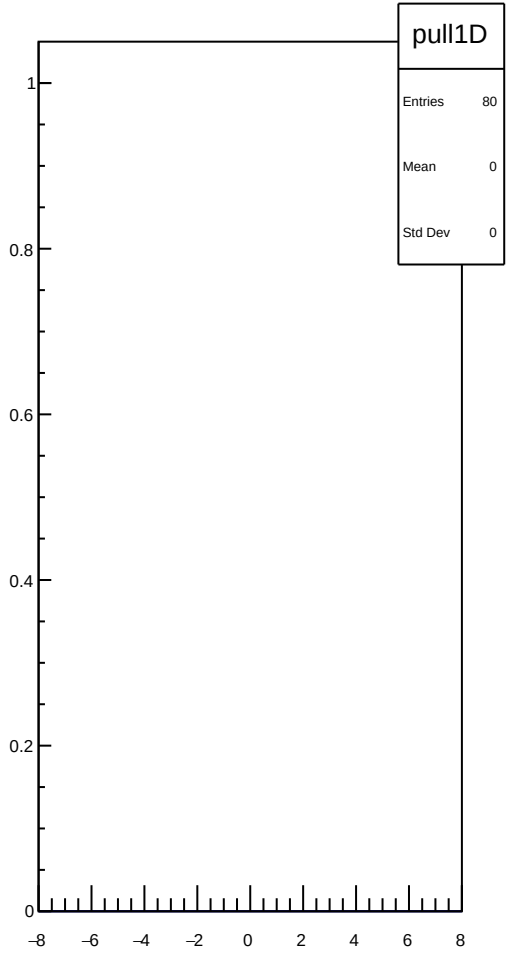

dit_atl1_coil4_mean vs run
χ² / ndf 7.952e+36 / 79
p0 −1101 ± 1.118e−16
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull
Entries 80
Mean 3.002e+08
Std Dev 3.002e+08
×10¹⁵
600
400
200
0
−200
−400
−600

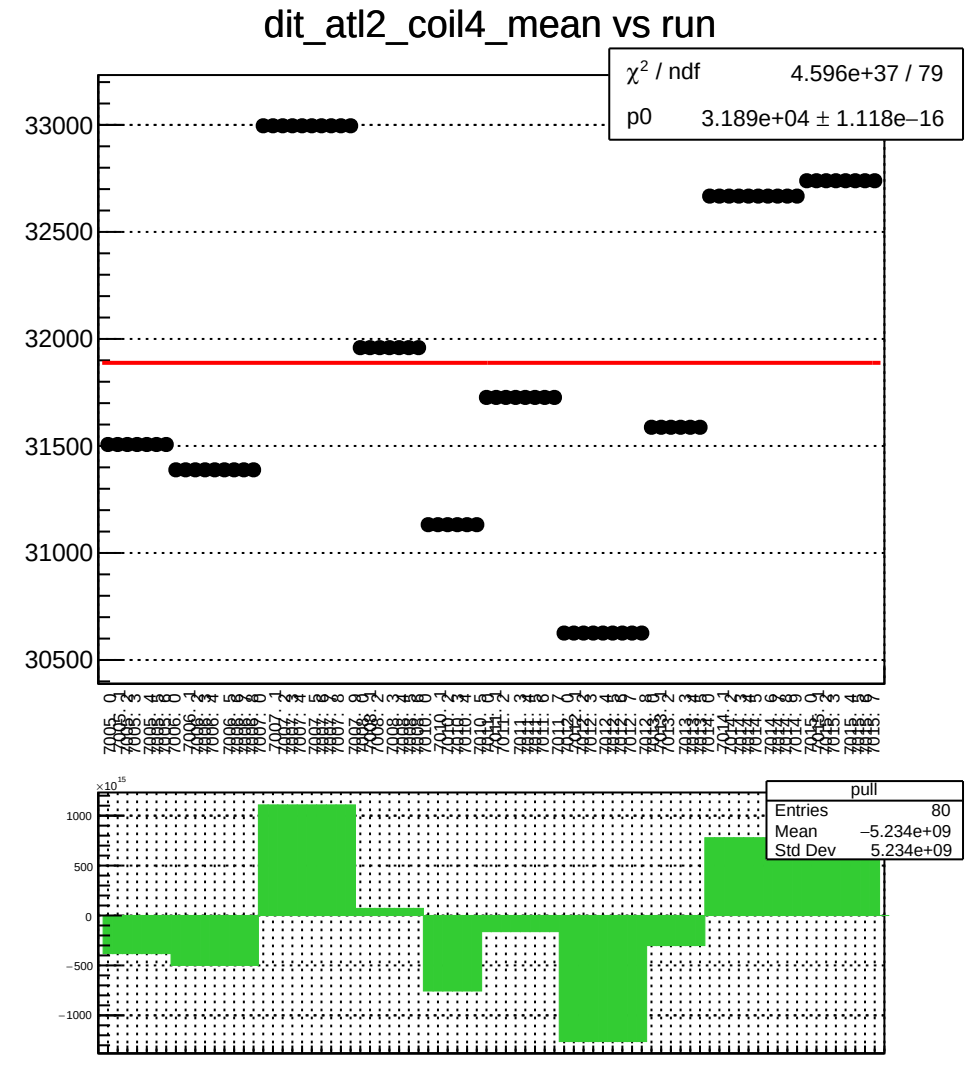

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

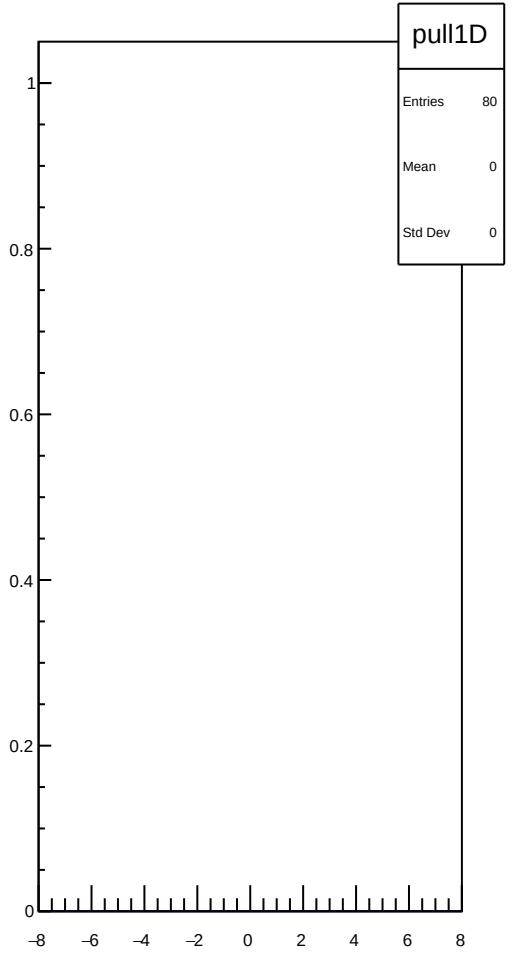

dit_atl1_coil4_err_mean vs run
χ² / ndf 3.221e+36 / 79
p0 391.5 ± 1.118e−16
pull
Entries 80
Mean 8.82e+08
Std Dev 8.82e+08

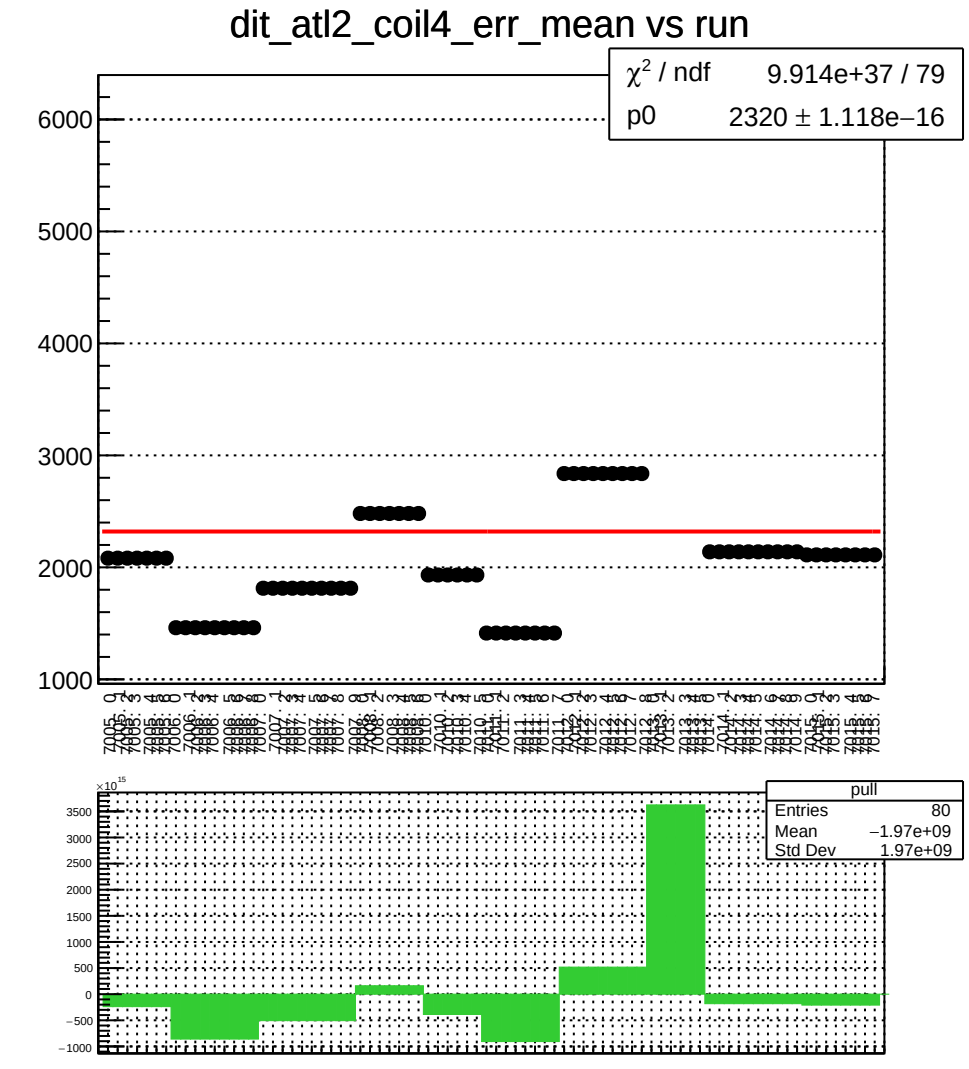

pull1D
Entries 80
Mean 0
Std Dev 0

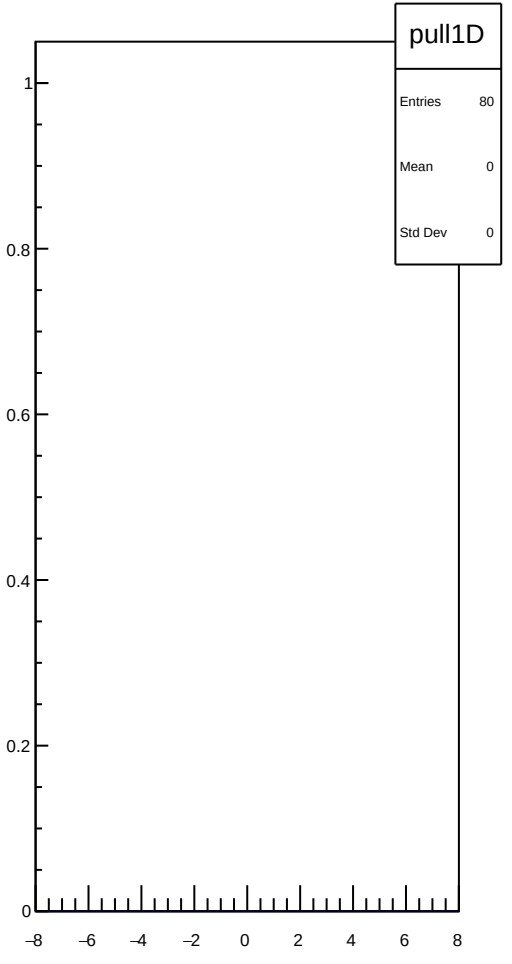

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

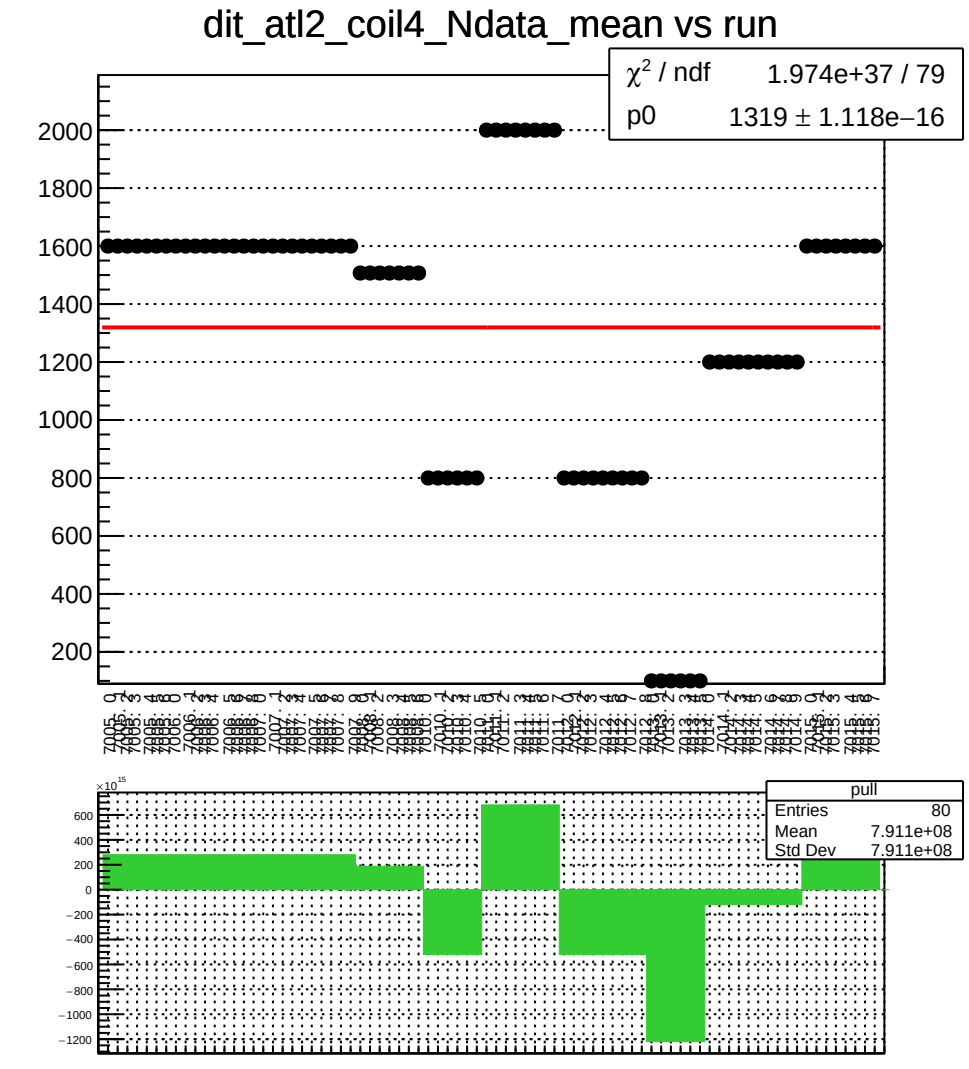

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

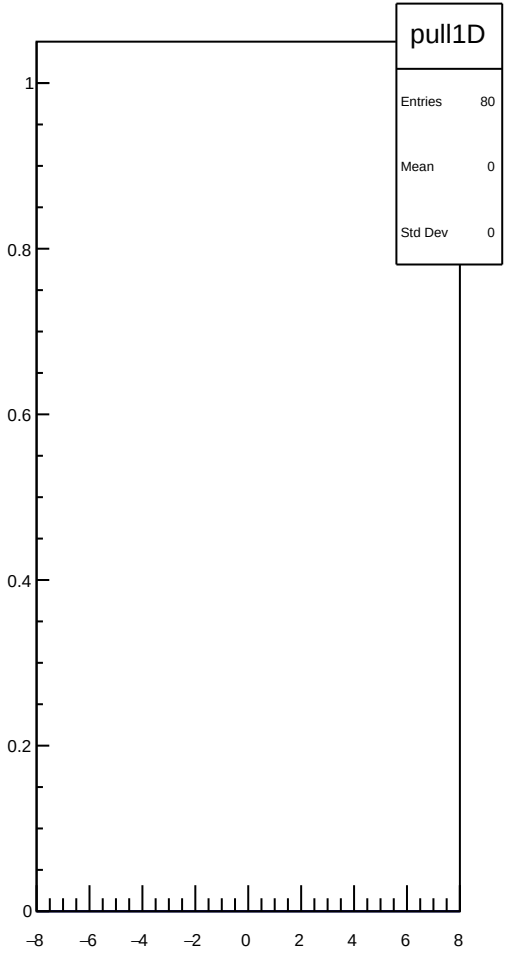

dit_atl2_coil4_mean vs run
χ² / ndf 4.596e+37 / 79
p0 3.189e+04 ± 1.118e−16
33000
32500
32000
31500
31000
30500
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 80
Mean −5.234e+09
Std Dev 5.234e+09

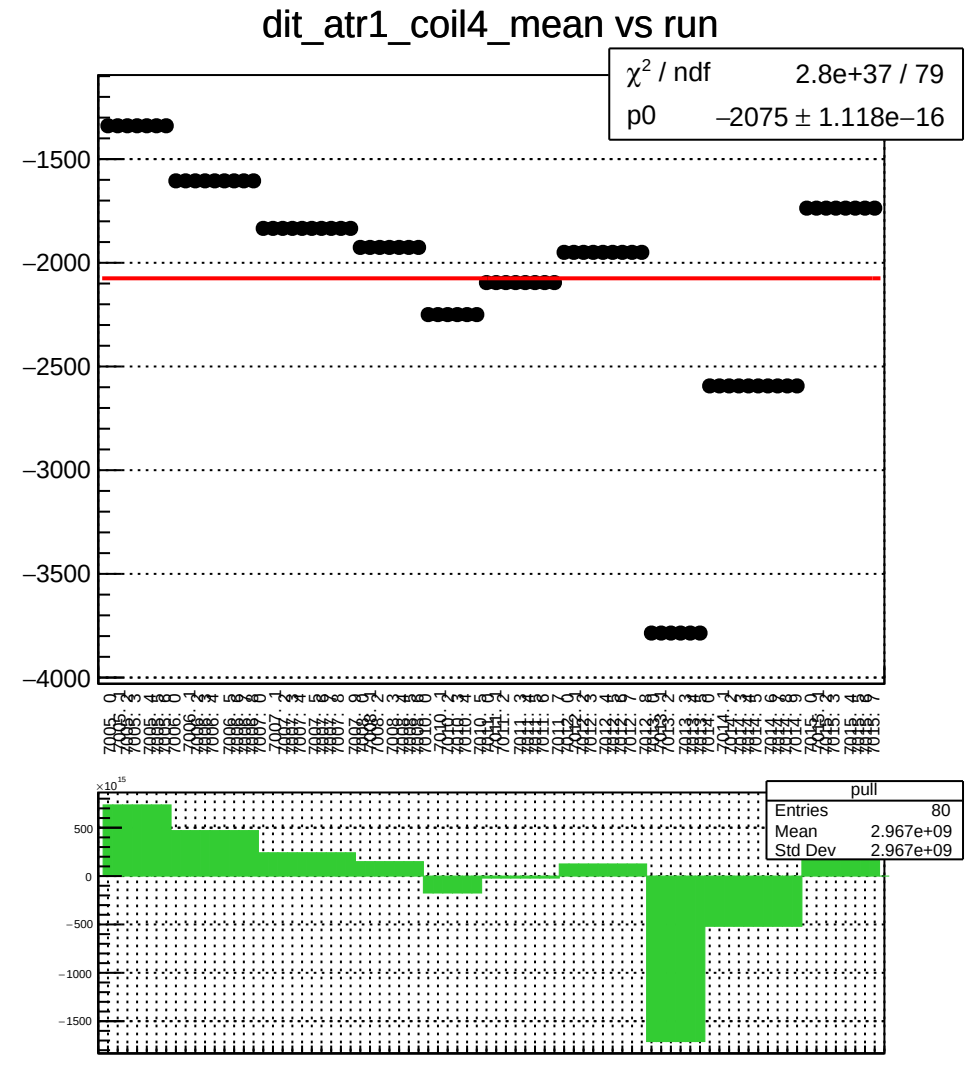

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

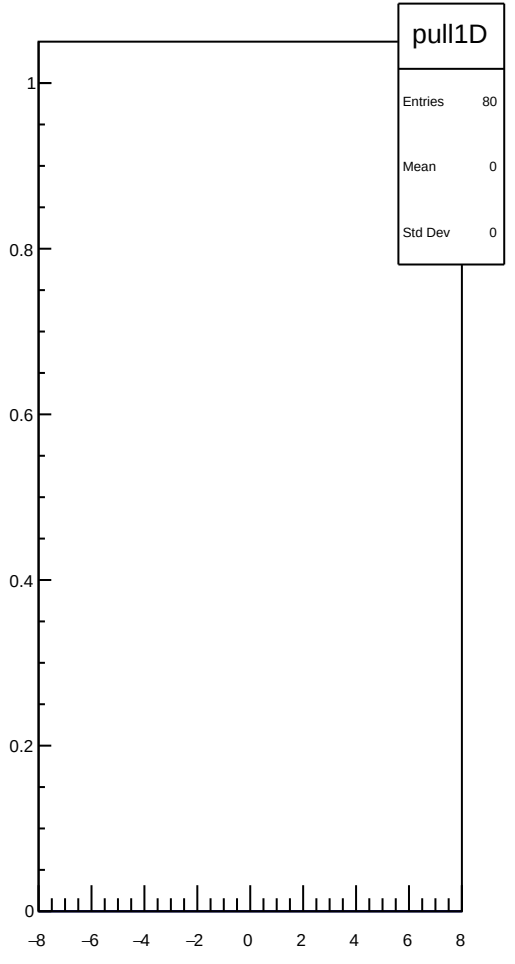

dit_atl2_coil4_err_mean vs run
χ² / ndf 9.914e+37 / 79
p0 2320 ± 1.118e−16
6000
5000
4000
3000
2000
1000
×10¹⁵
3500
3000
2500
2000
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean −1.97e+09
Std Dev 1.97e+09

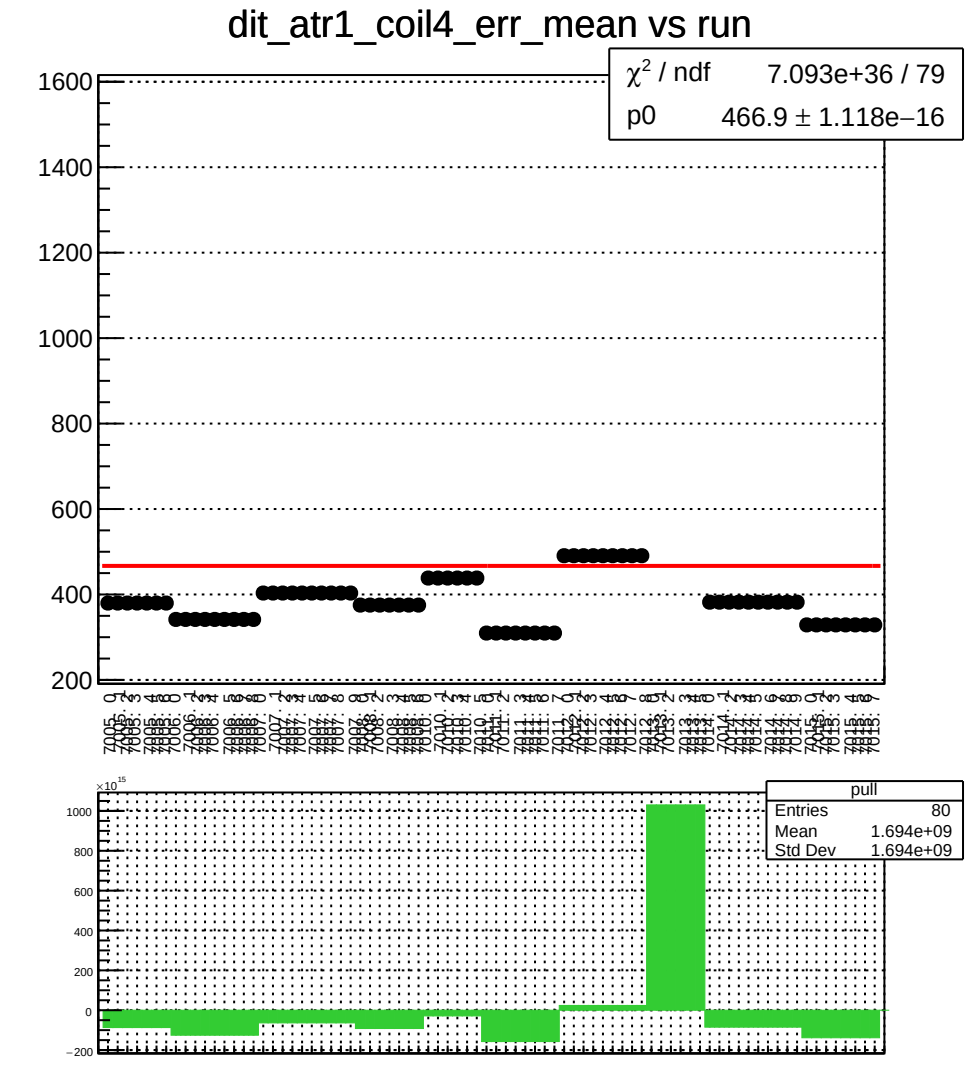

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

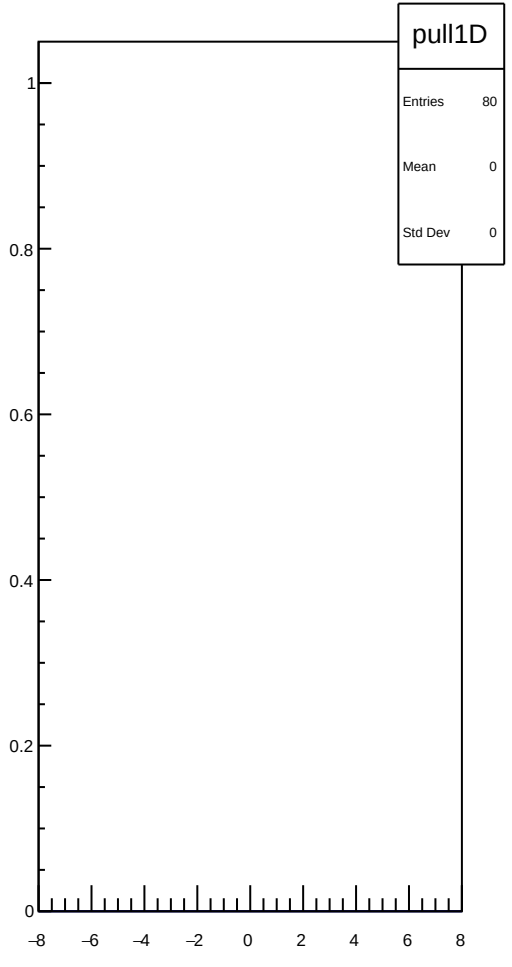

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08

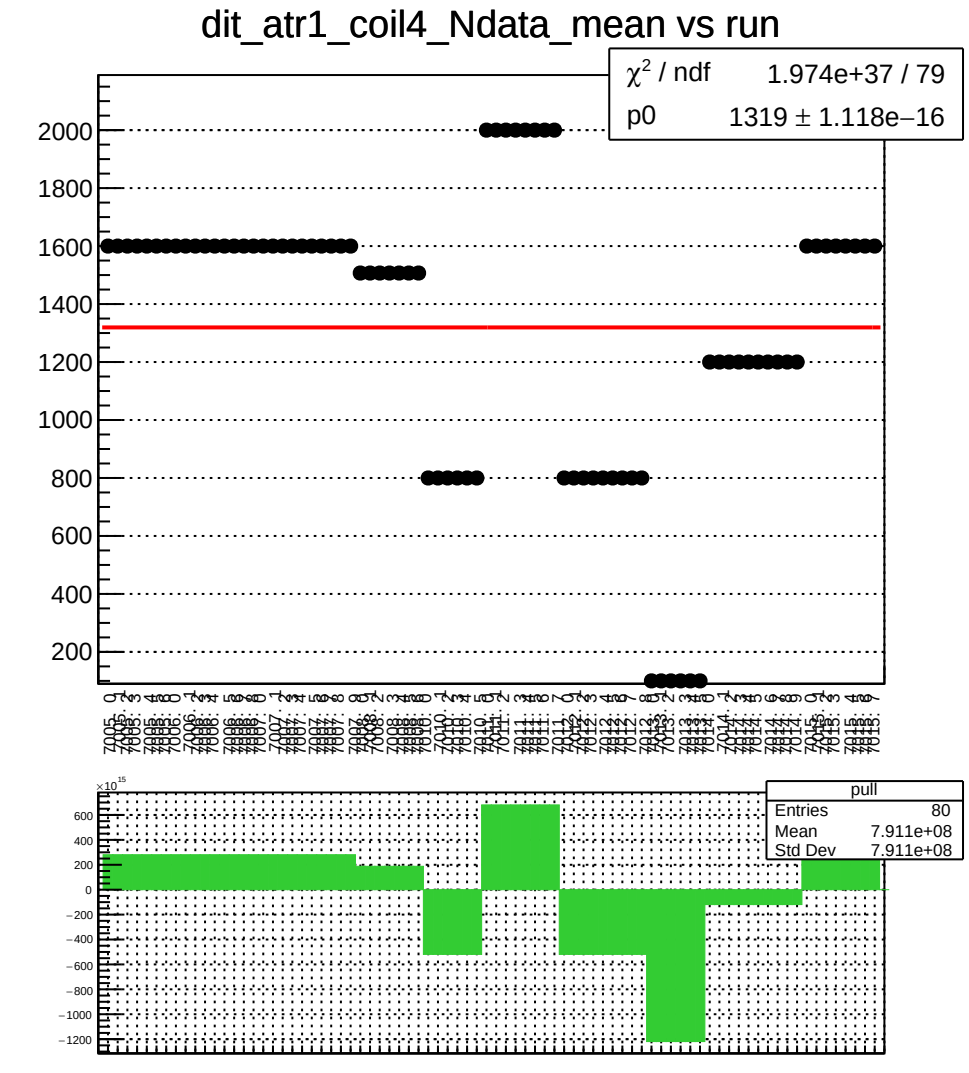

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

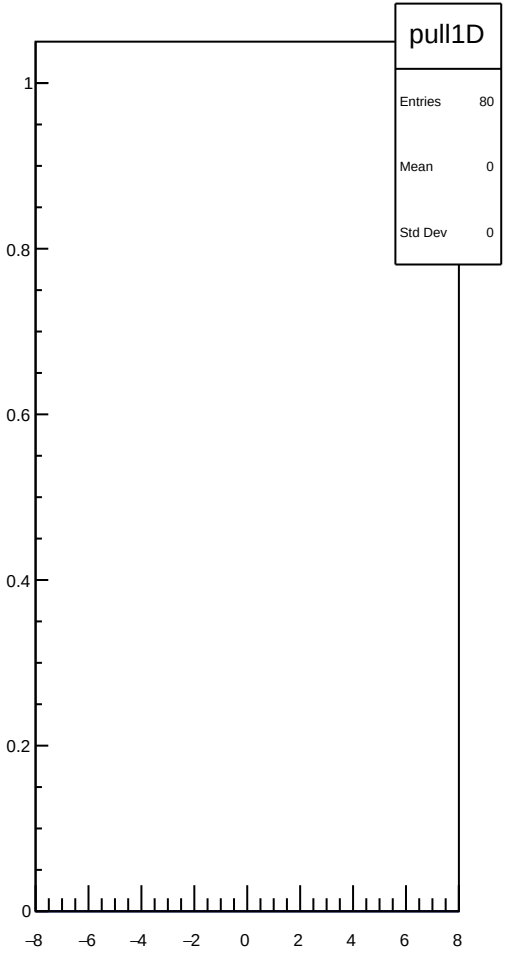

dit_atr1_coil4_mean vs run
χ² / ndf 2.8e+37 / 79
p0 −2075 ± 1.118e−16
−1500
−2000
−2500
−3000
−3500
−4000
×10¹⁵
500
0
−500
−1000
−1500
pull
Entries 80
Mean 2.967e+09
Std Dev 2.967e+09

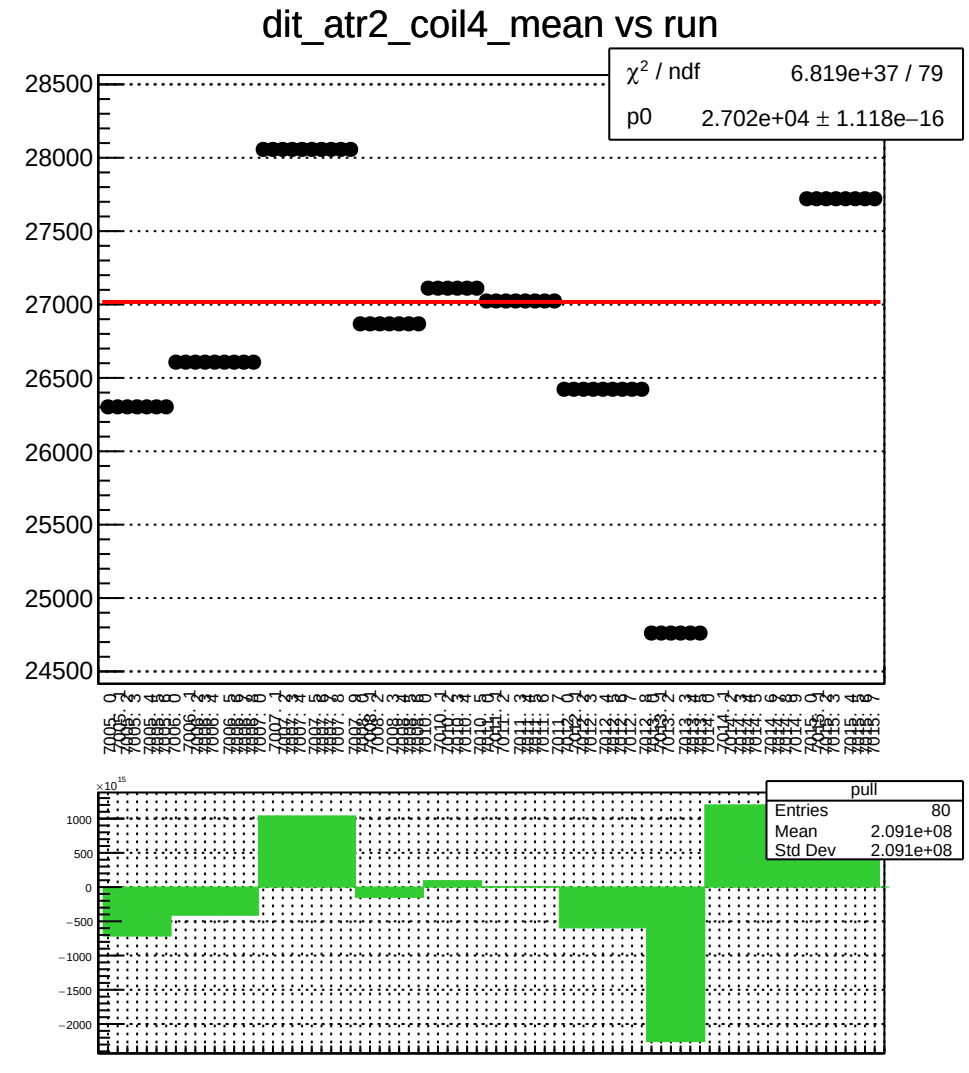

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

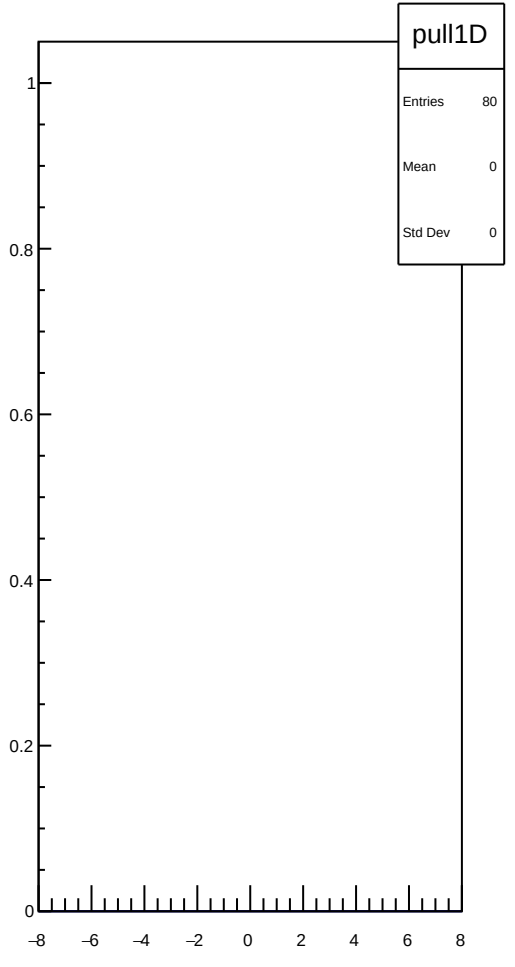

dit_atr1_coil4_err_mean vs run
χ² / ndf 7.093e+36 / 79
p0 466.9 ± 1.118e−16
pull
Entries 80
Mean 1.694e+09
Std Dev 1.694e+09

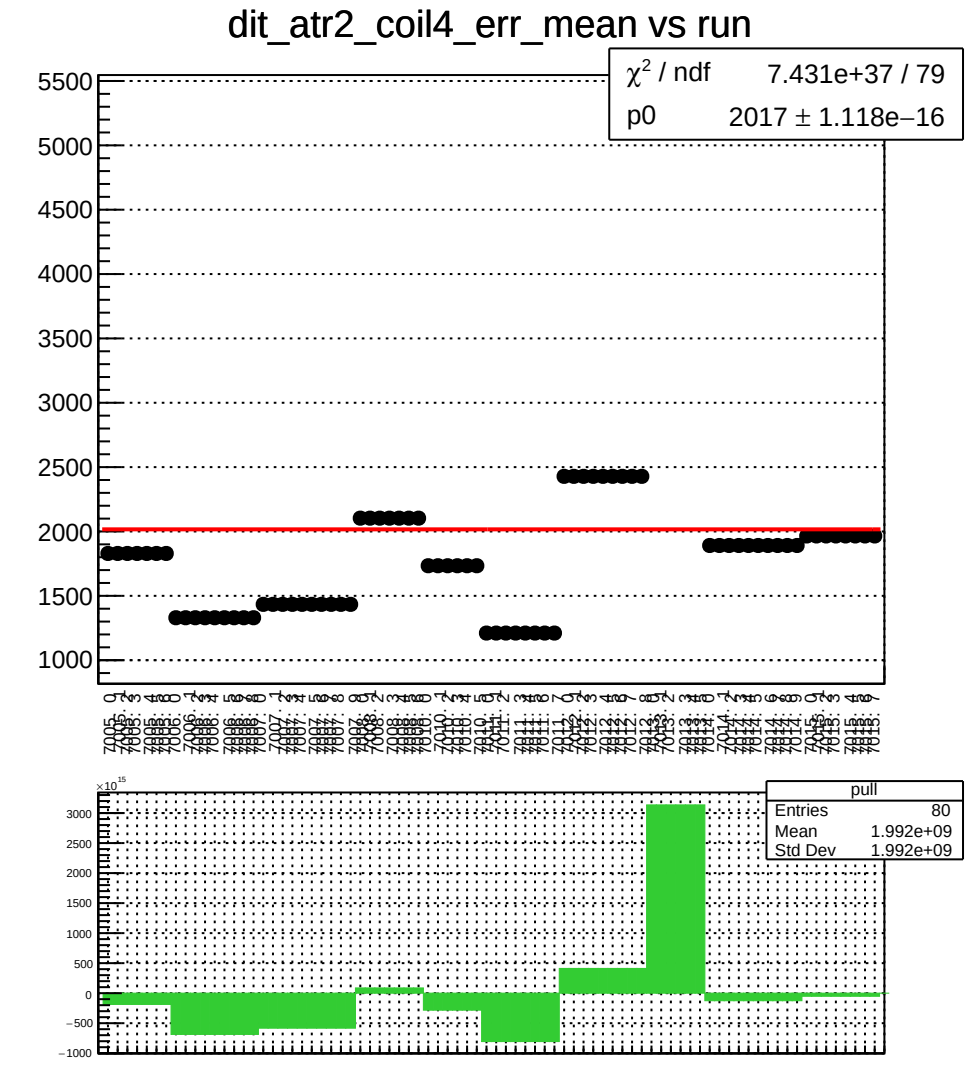

pull1D
Entries 80
Mean 0
Std Dev 0

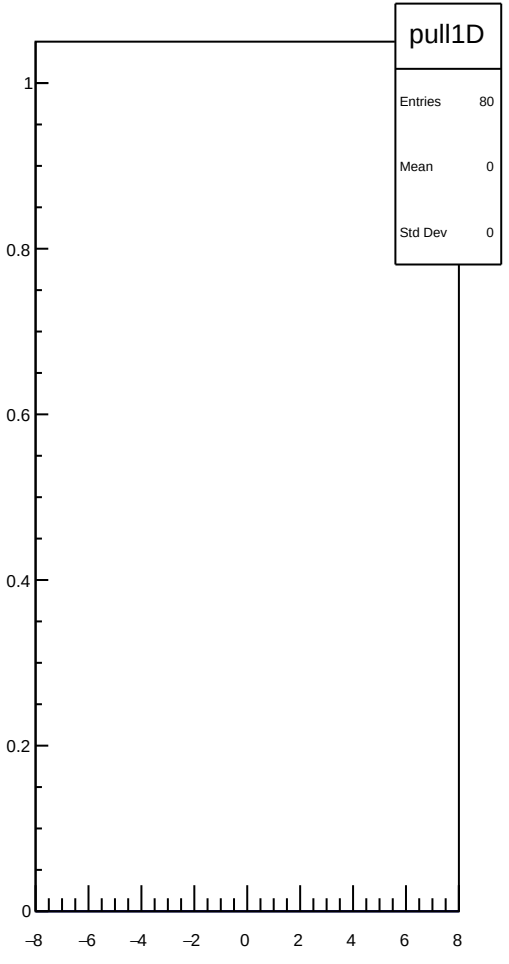

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08

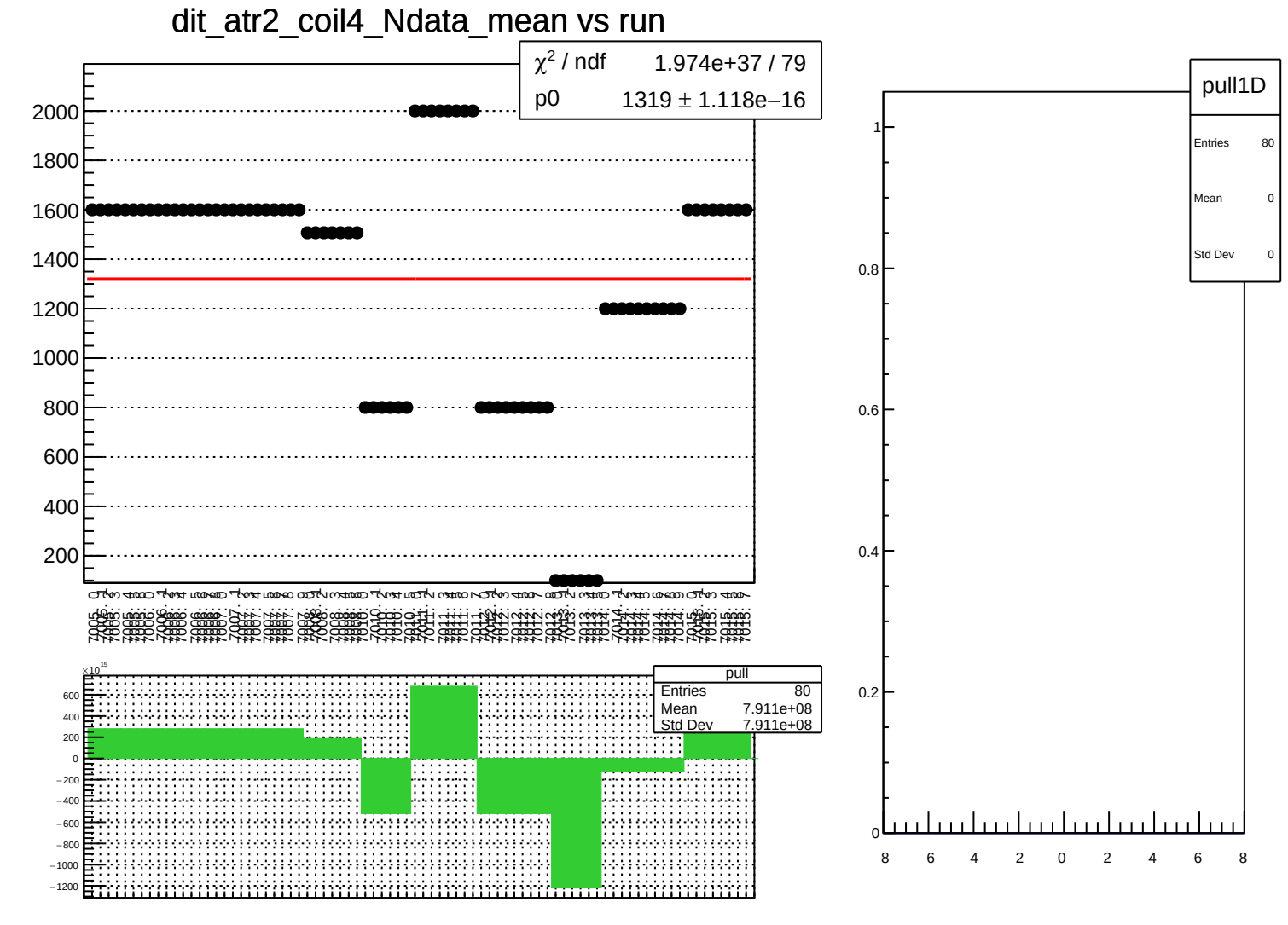

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

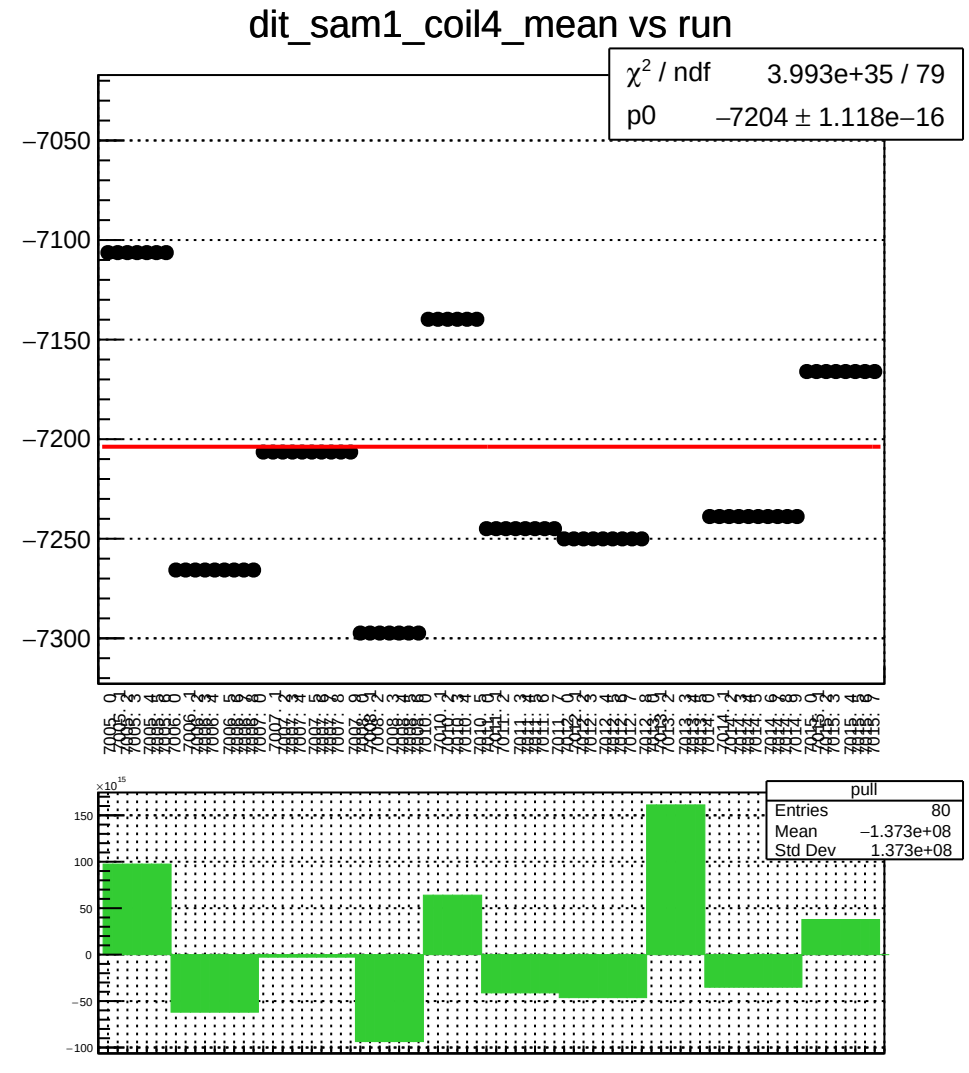

dit_atr2_coil4_mean vs run
χ² / ndf 6.819e+37 / 79
p0 2.702e+04 ± 1.118e−16
28500
28000
27500
27000
26500
26000
25500
25000
24500
pull
Entries 80
Mean 2.091e+08
Std Dev 2.091e+08
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000

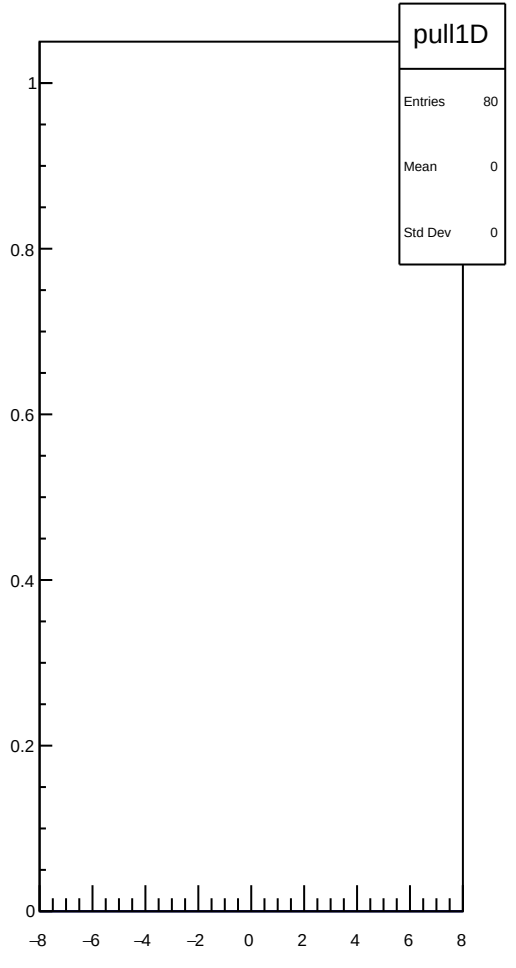

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

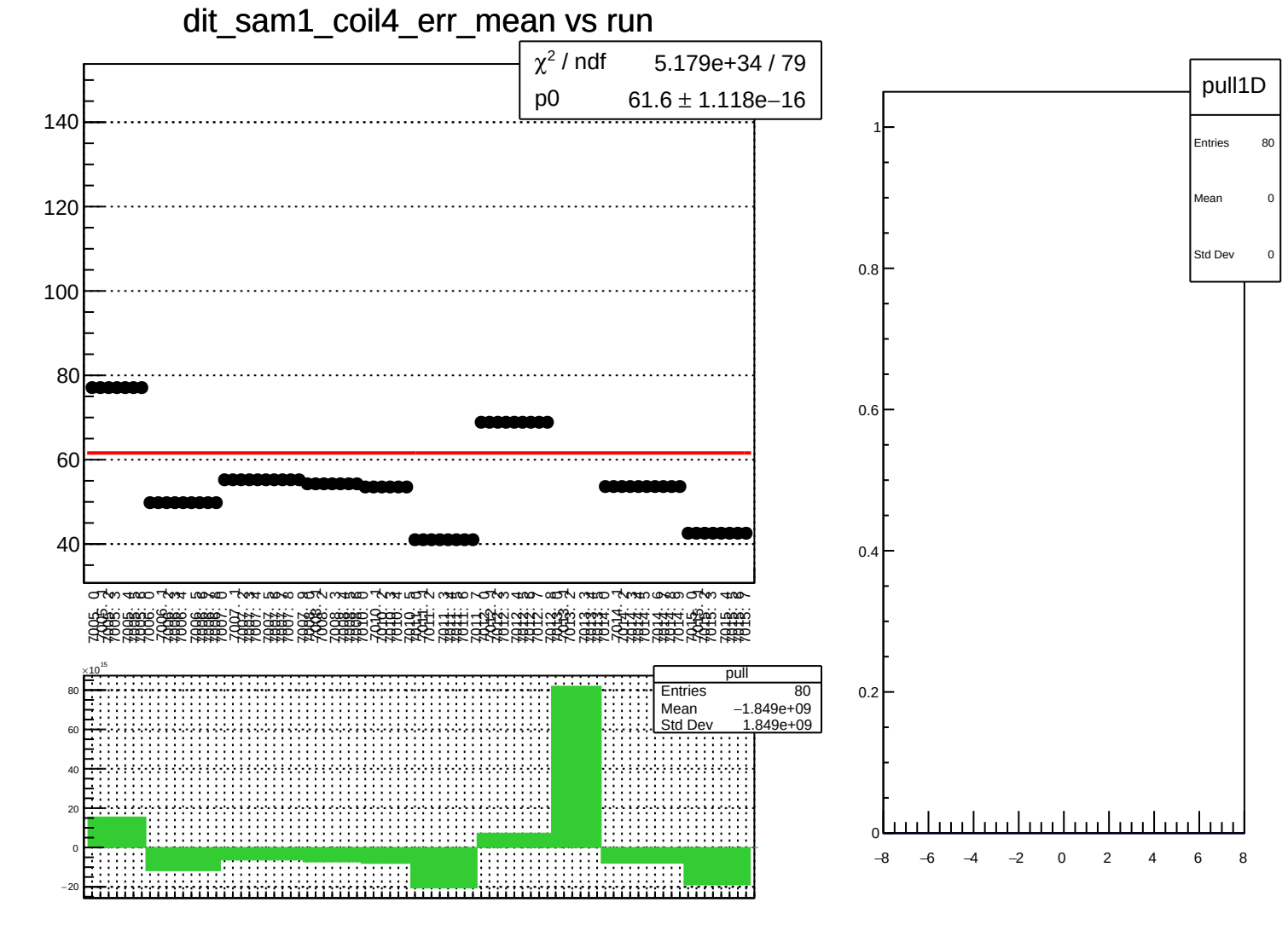

dit_atr2_coil4_err_mean vs run
χ² / ndf 7.431e+37 / 79
p0 2017 ± 1.118e−16
pull
Entries 80
Mean 1.992e+09
Std Dev 1.992e+09

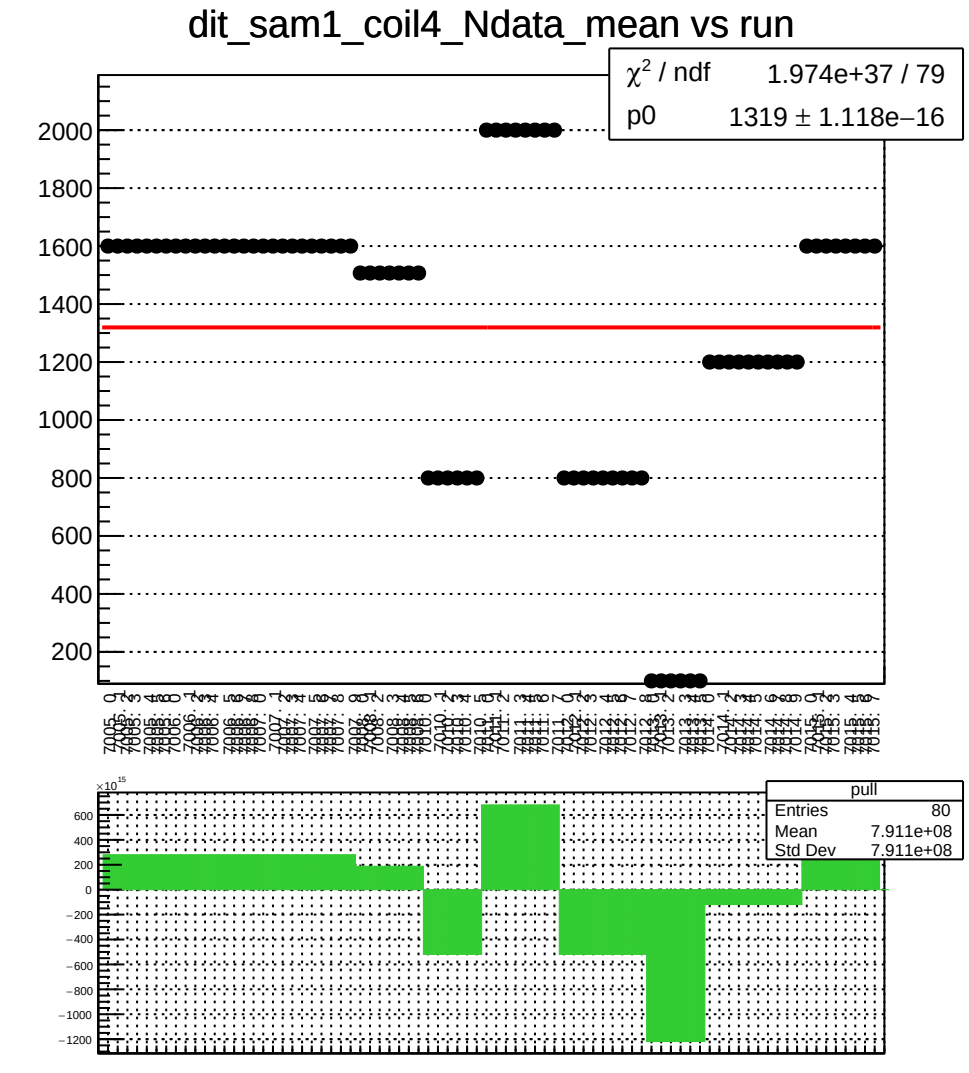

pull1D
Entries 80
Mean 0
Std Dev 0

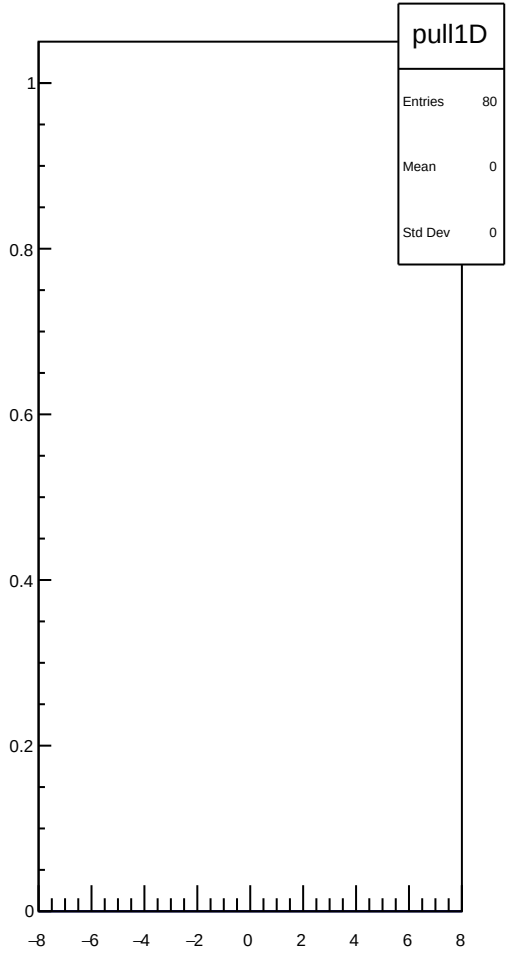

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

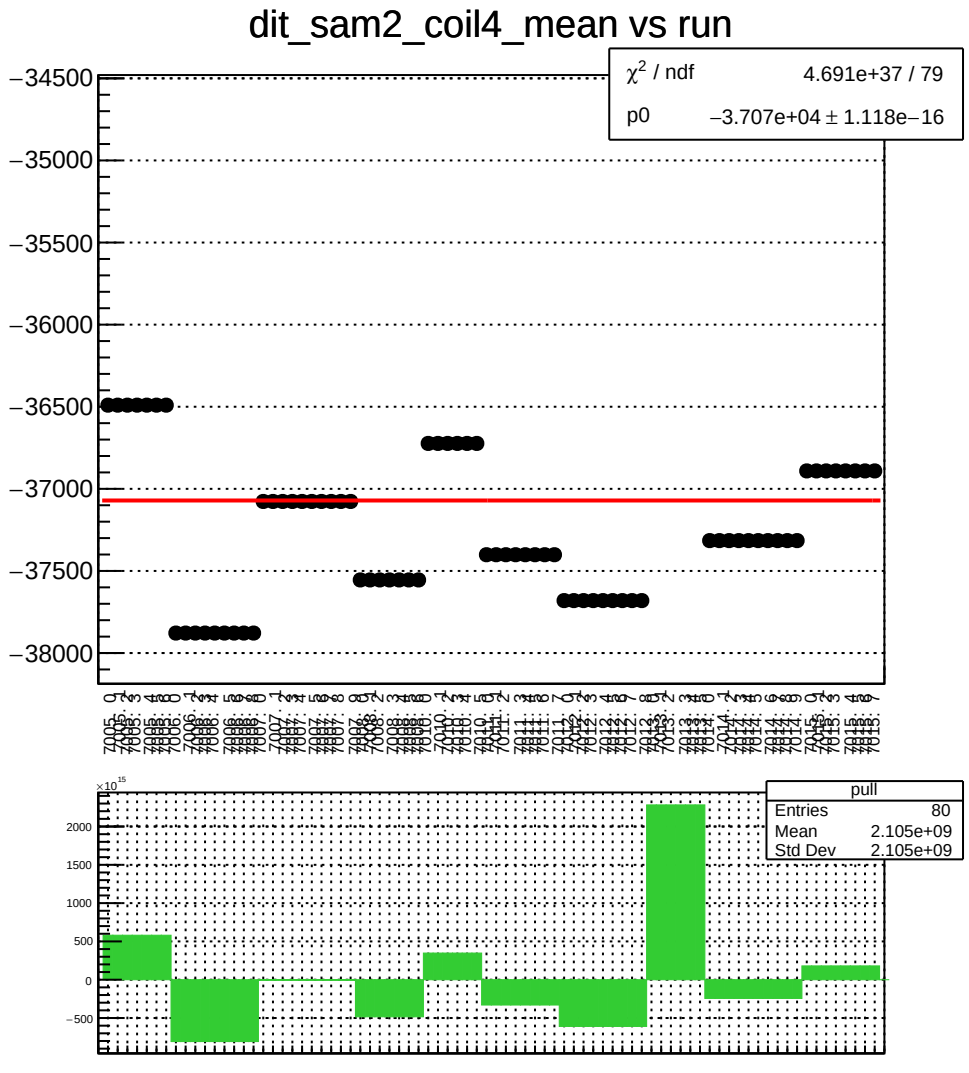

dit_sam1_coil4_mean vs run
χ² / ndf 3.993e+35 / 79
p0 −7204 ± 1.118e−16
−7050
−7100
−7150
−7200
−7250
−7300
pull
Entries 80
Mean −1.373e+08
Std Dev 1.373e+08
×10¹⁵
150
100
50
0
−50
−100

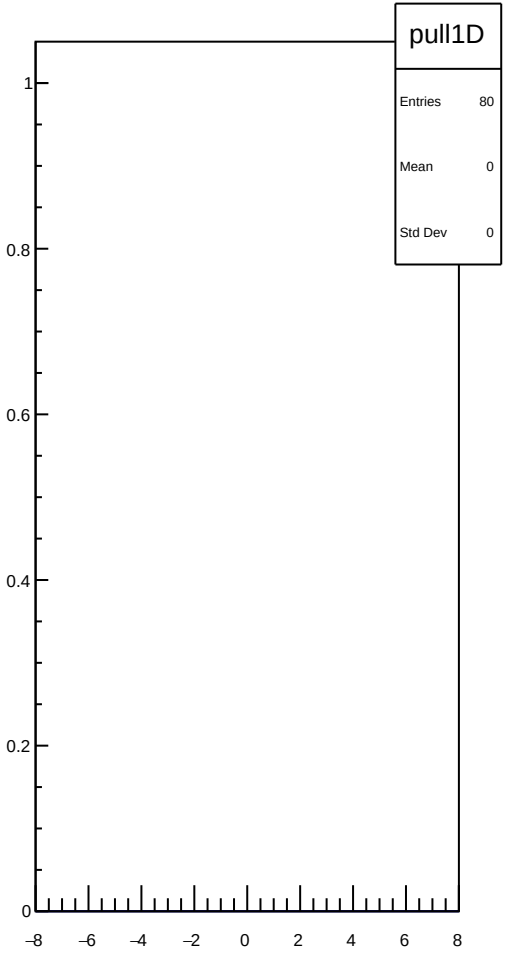

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

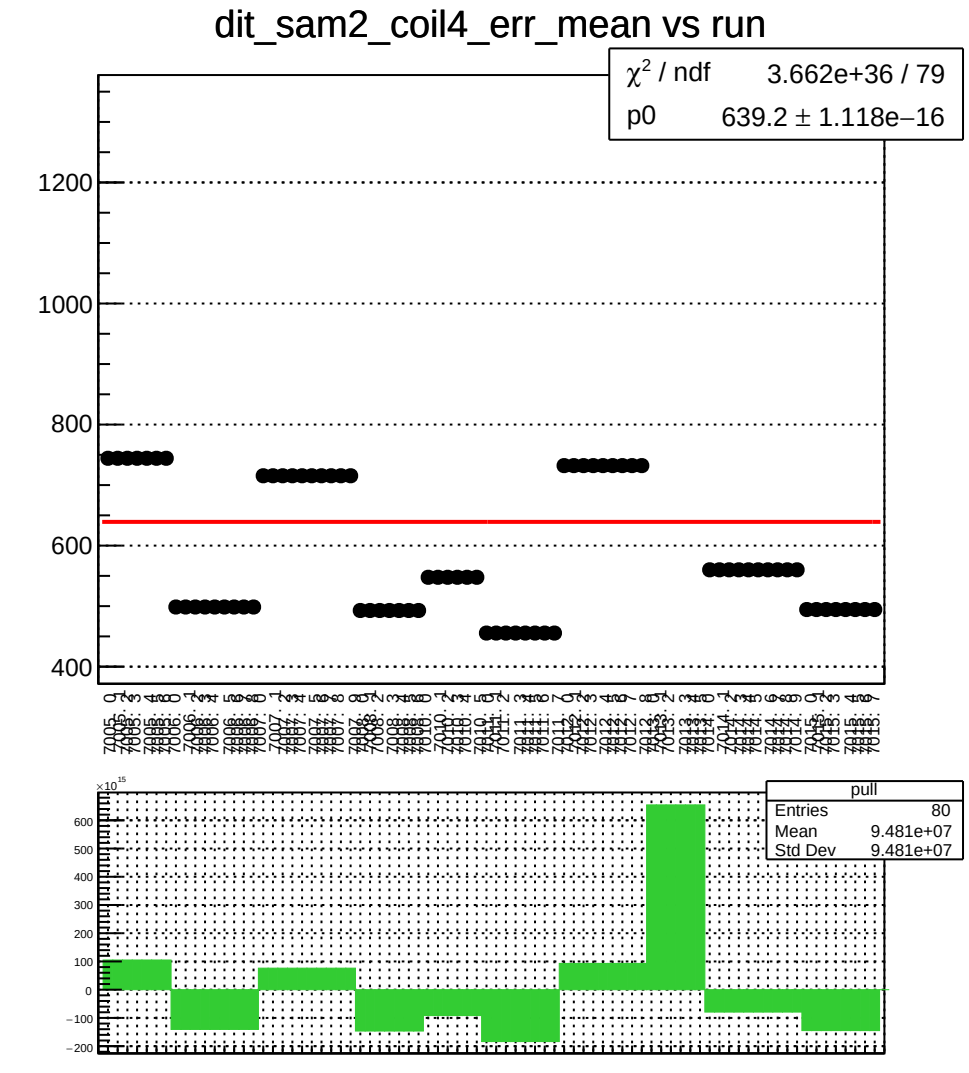

dit_sam1_coil4_err_mean vs run
χ² / ndf 5.179e+34 / 79
p0 61.6 ± 1.118e−16
140
120
100
80
60
40
pull
Entries 80
Mean −1.849e+09
Std Dev 1.849e+09
×10¹⁵
80
60
40
20
0
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

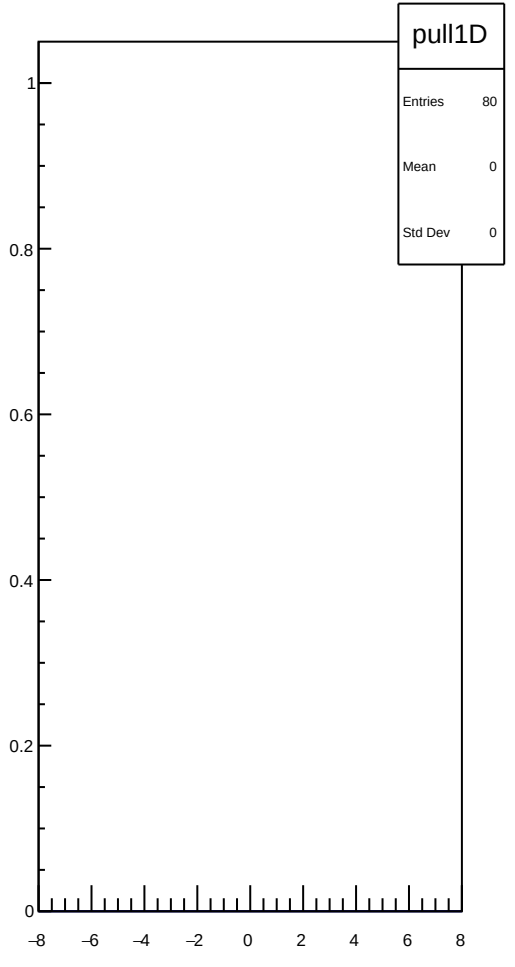

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

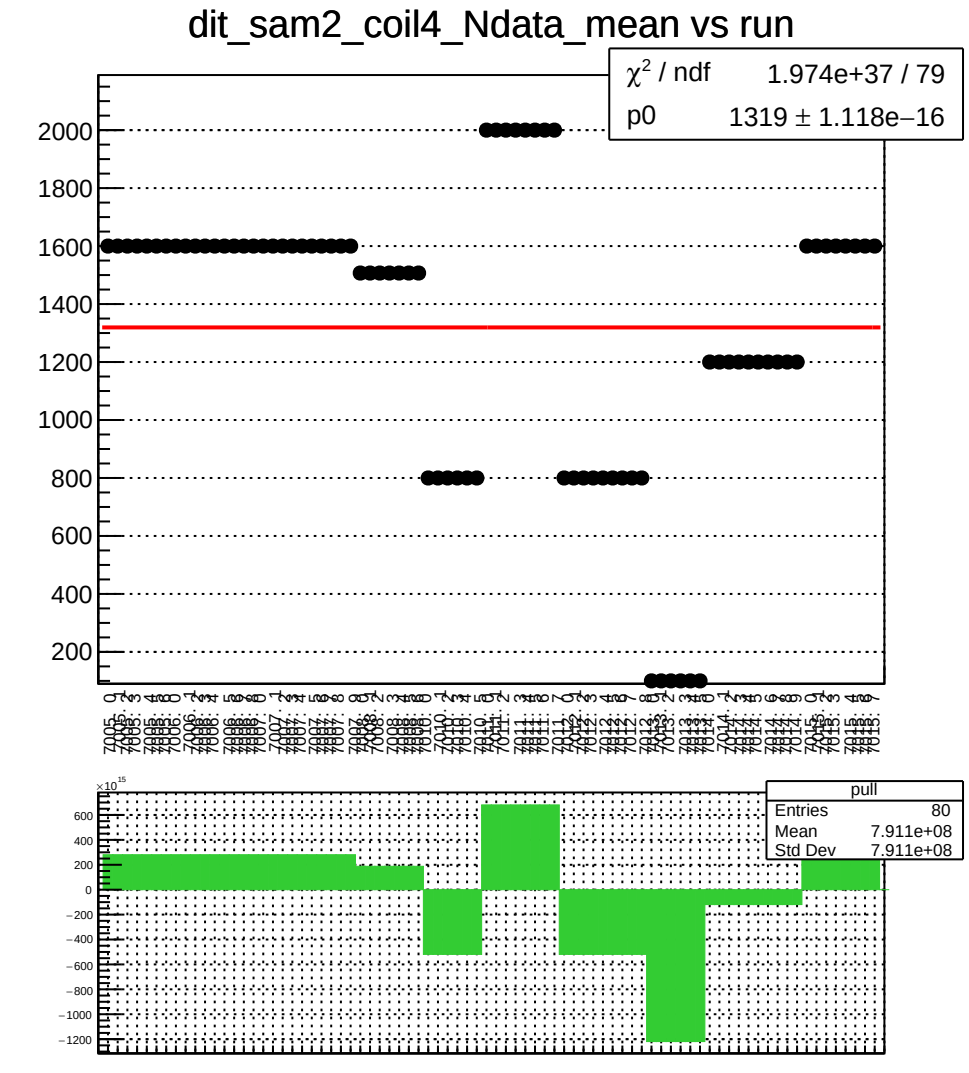

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

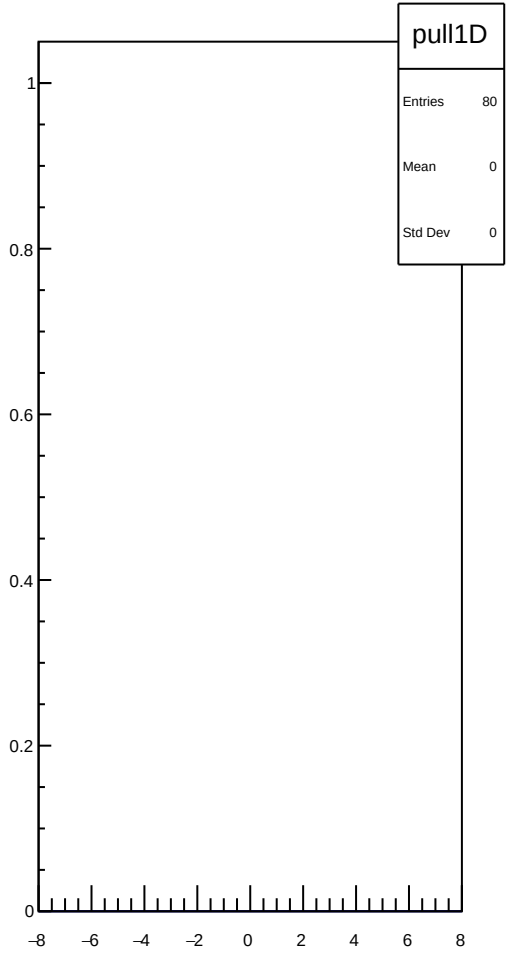

dit_sam2_coil4_mean vs run
χ² / ndf 4.691e+37 / 79
p0 −3.707e+04 ± 1.118e−16
−34500
−35000
−35500
−36000
−36500
−37000
−37500
−38000
pull
Entries 80
Mean 2.105e+09
Std Dev 2.105e+09
×10¹⁵
2000
1500
1000
500
0
−500

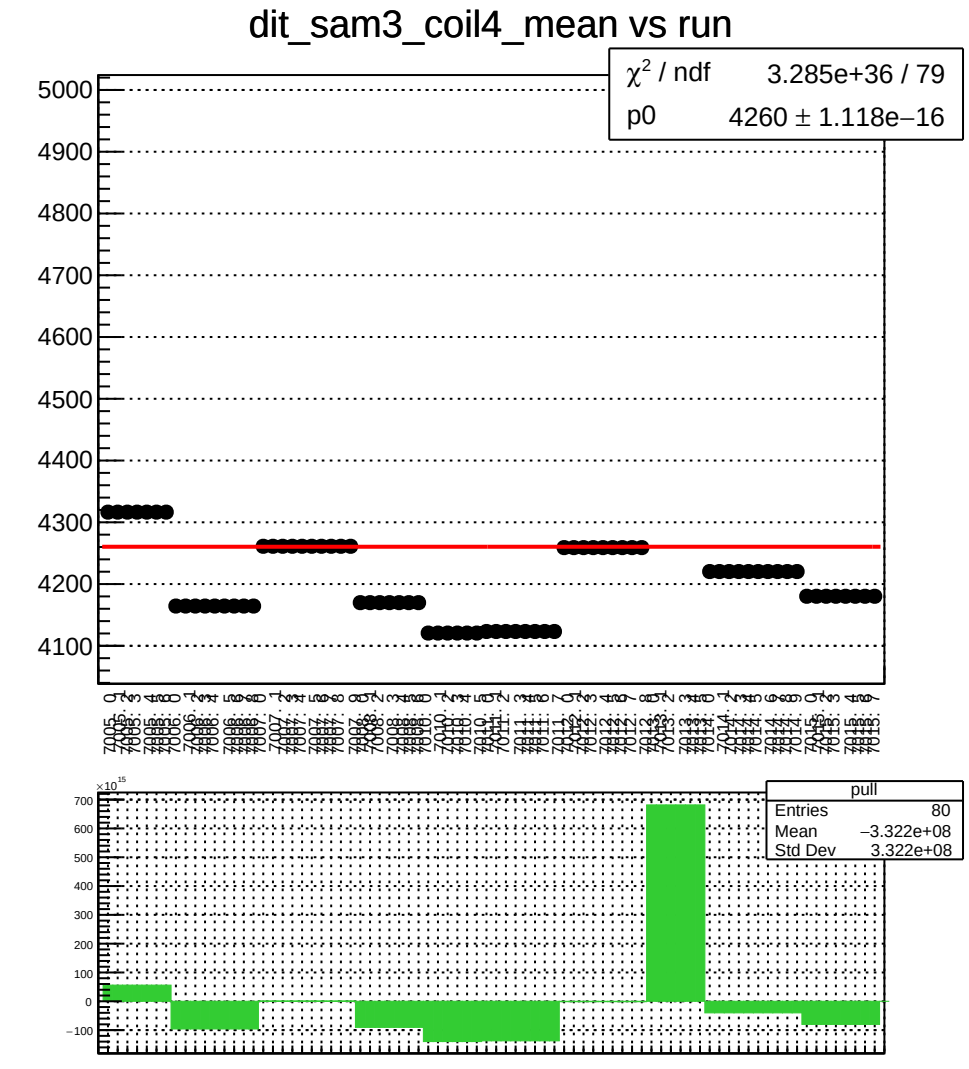

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

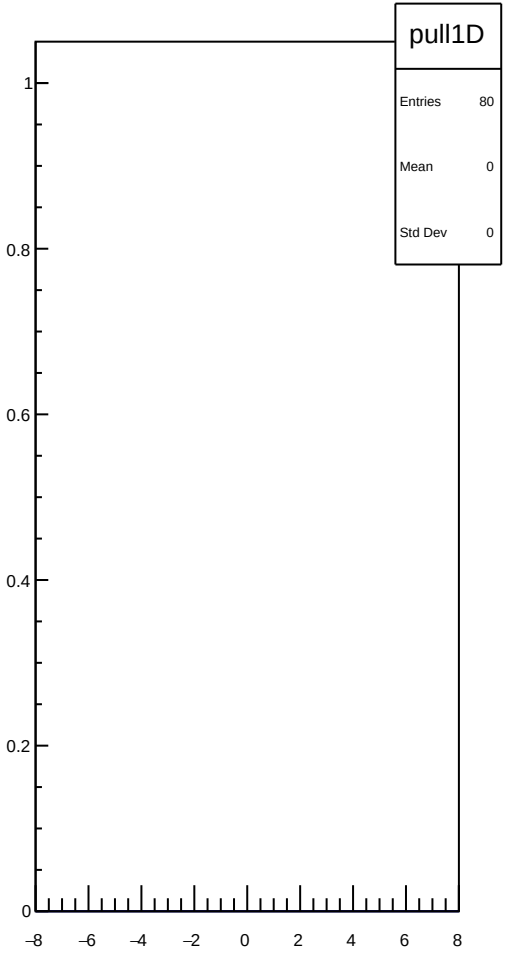

dit_sam2_coil4_err_mean vs run
χ² / ndf 3.662e+36 / 79
p0 639.2 ± 1.118e−16
1200
1000
800
600
400
pull
Entries 80
Mean 9.481e+07
Std Dev 9.481e+07
×10¹⁵
600
500
400
300
200
100
0
−100
−200

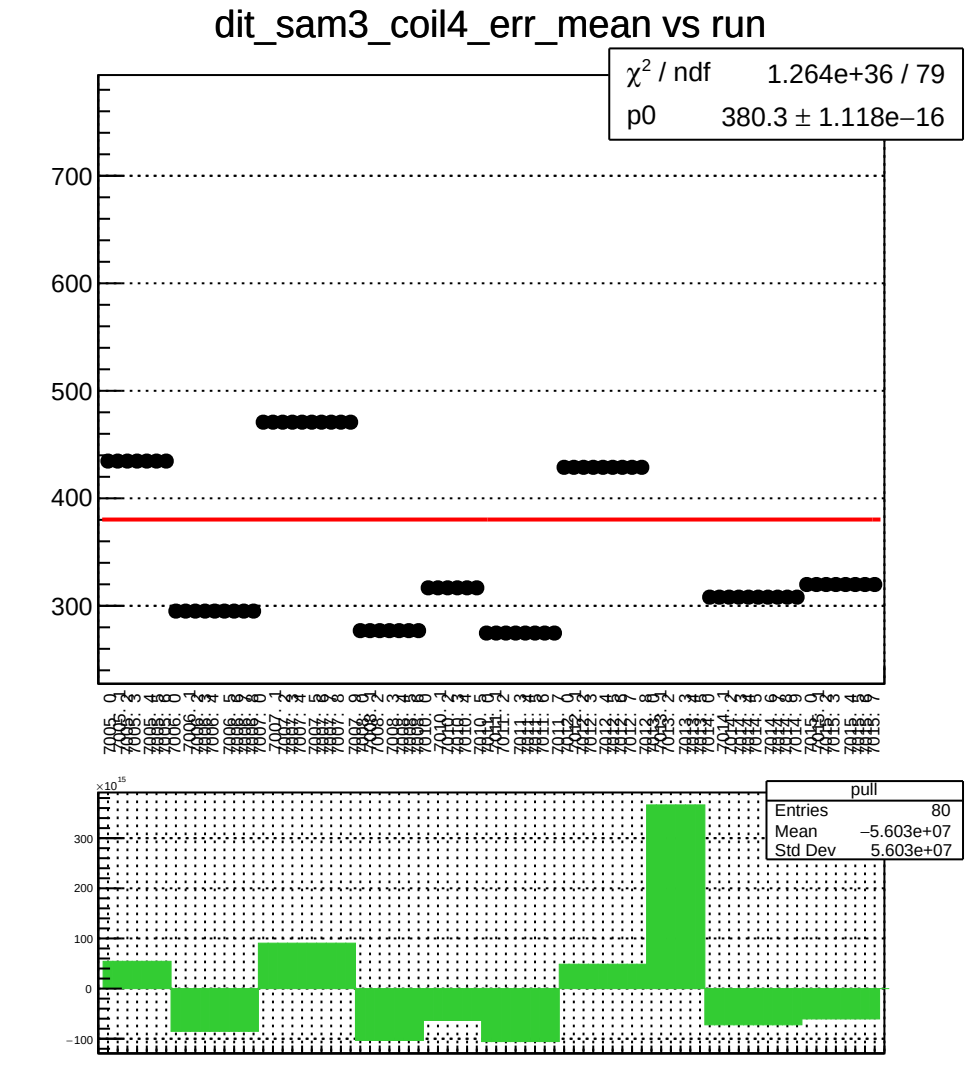

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

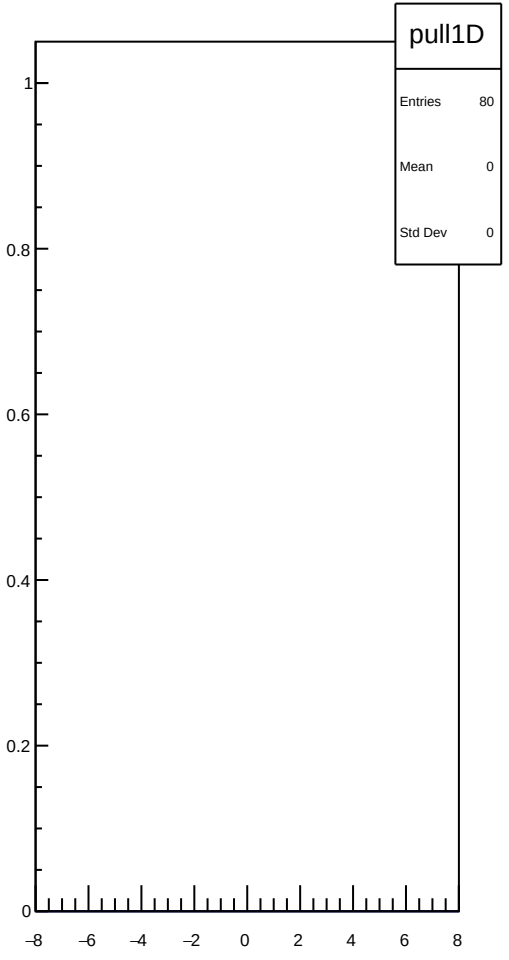

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

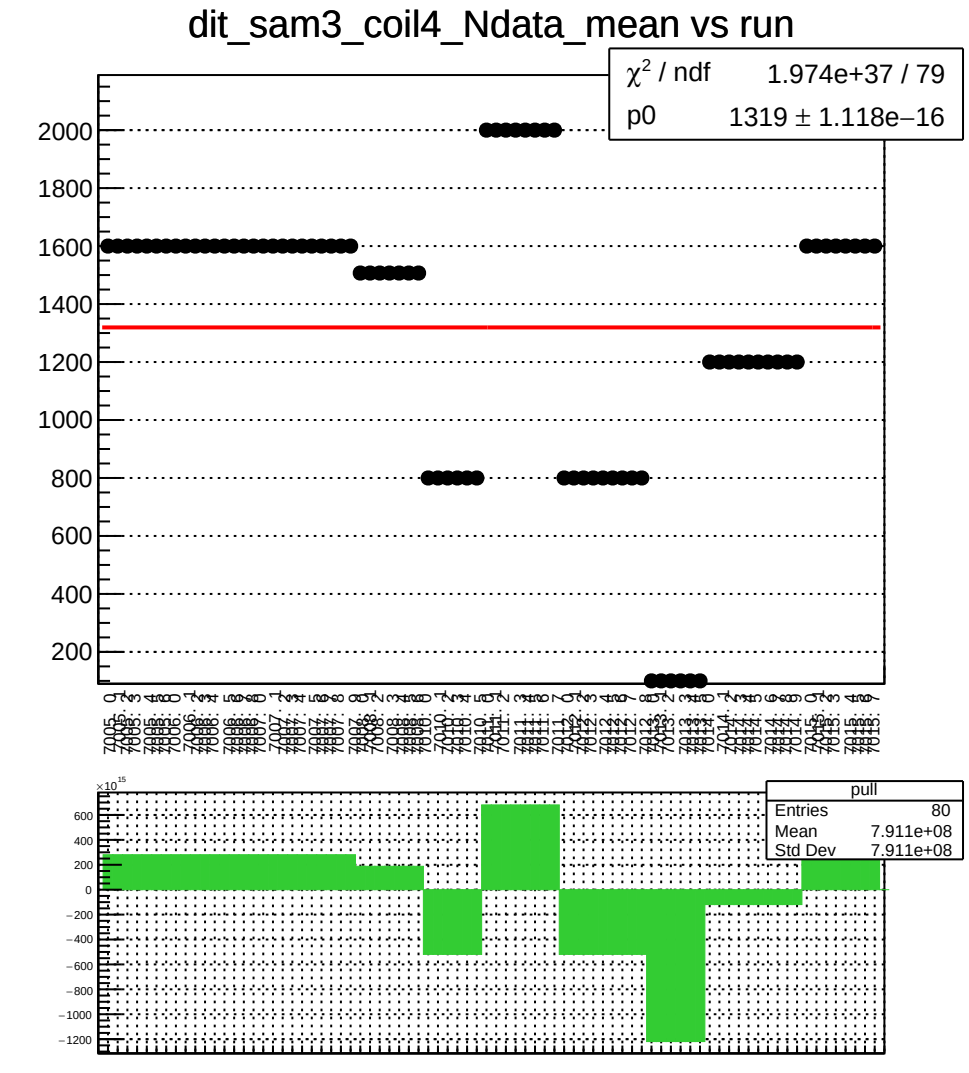

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

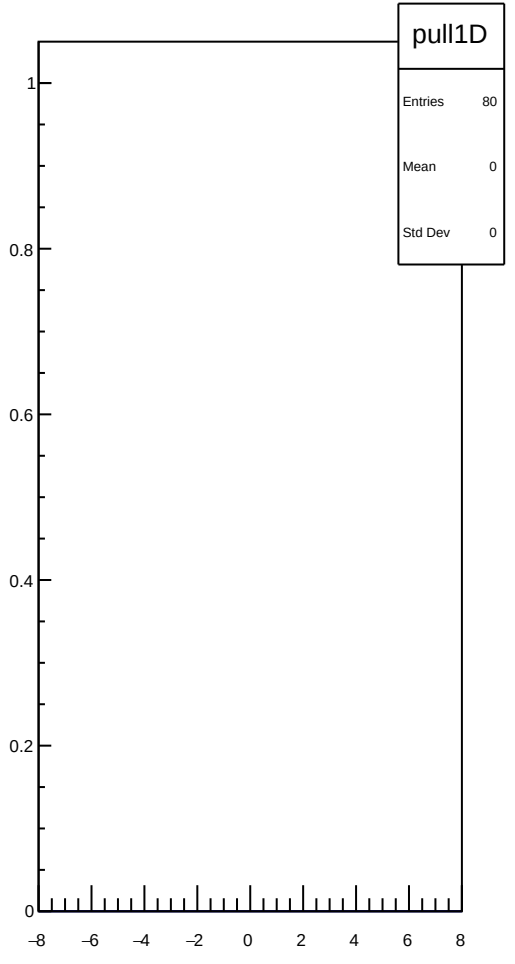

dit_sam3_coil4_mean vs run
χ² / ndf 3.285e+36 / 79
p0 4260 ± 1.118e−16
5000
4900
4800
4700
4600
4500
4400
4300
4200
4100
pull
Entries 80
Mean −3.322e+08
Std Dev 3.322e+08
×10¹⁵
700
600
500
400
300
200
100
0
−100

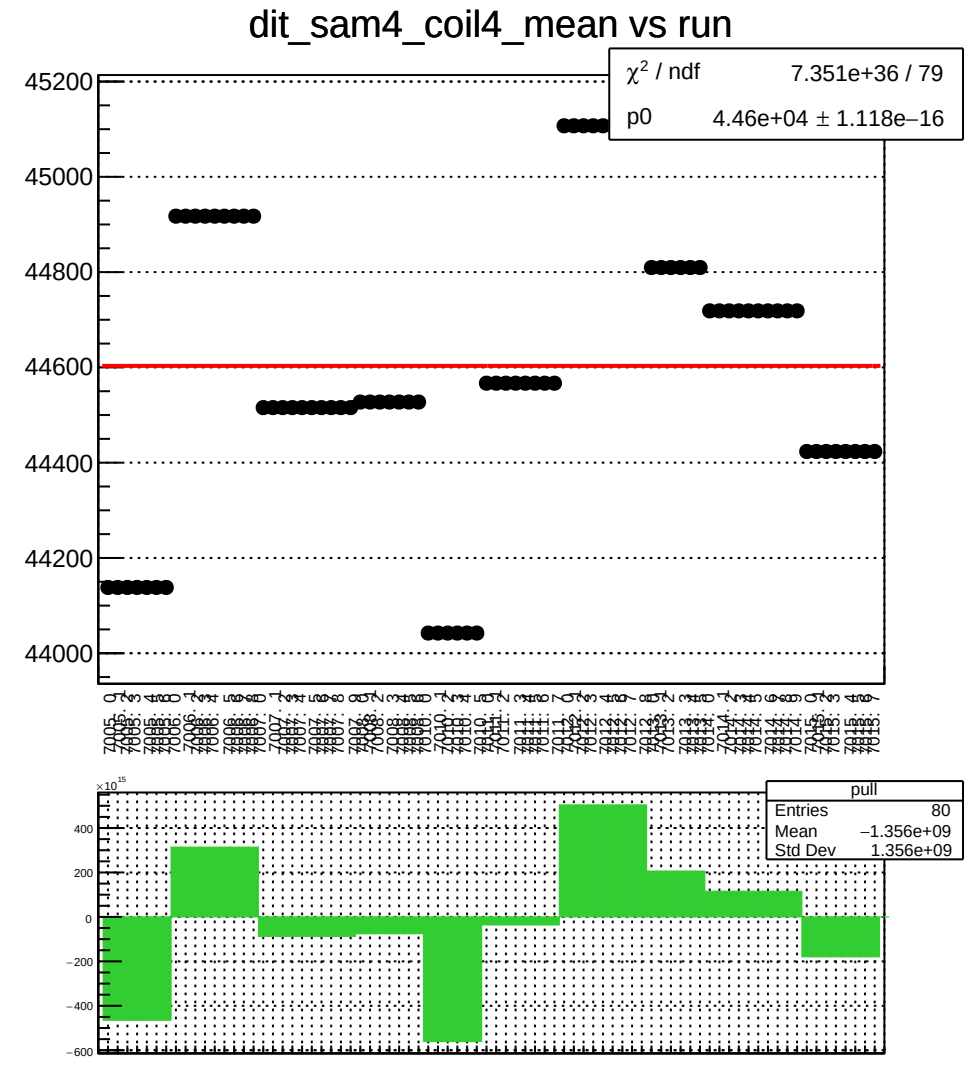

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

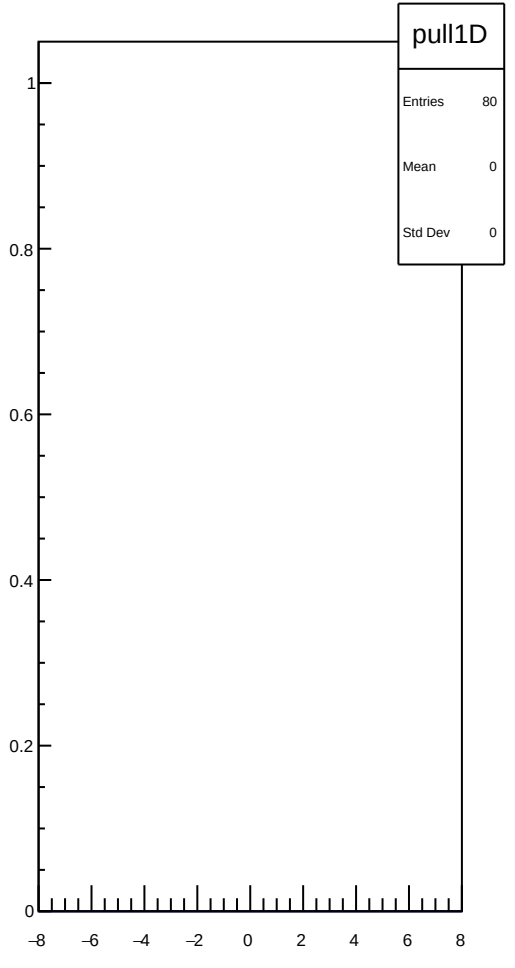

dit_sam3_coil4_err_mean vs run
χ² / ndf 1.264e+36 / 79
p0 380.3 ± 1.118e−16
700
600
500
400
300
pull
Entries 80
Mean −5.603e+07
Std Dev 5.603e+07
×10¹⁵
300
200
100
0
−100

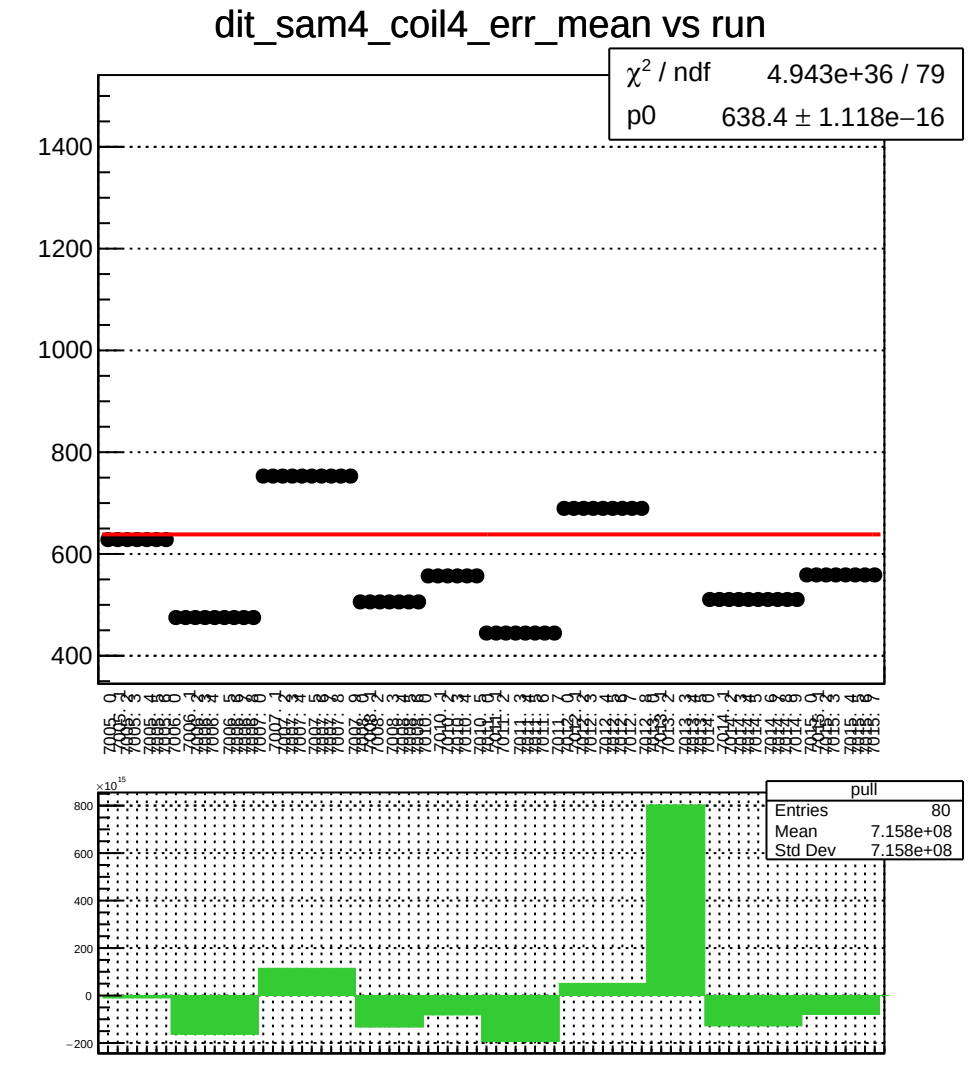

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

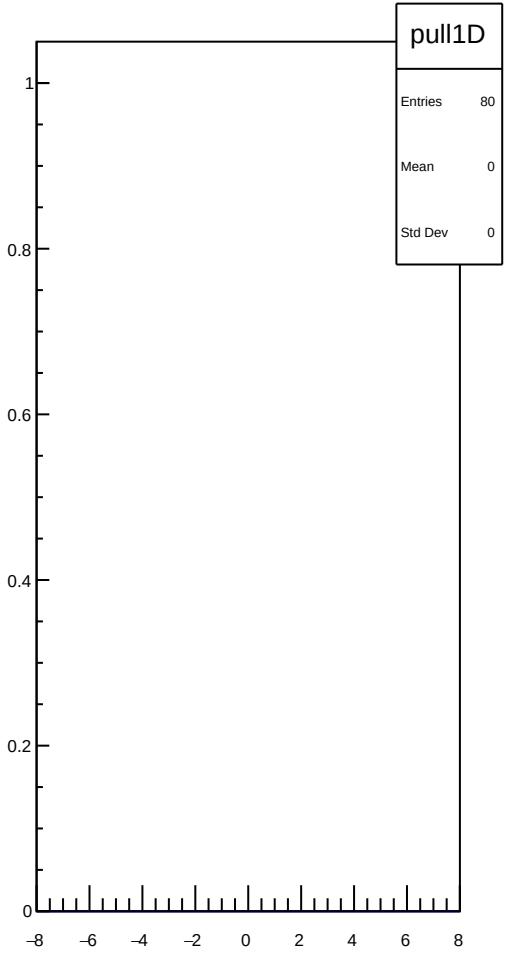

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

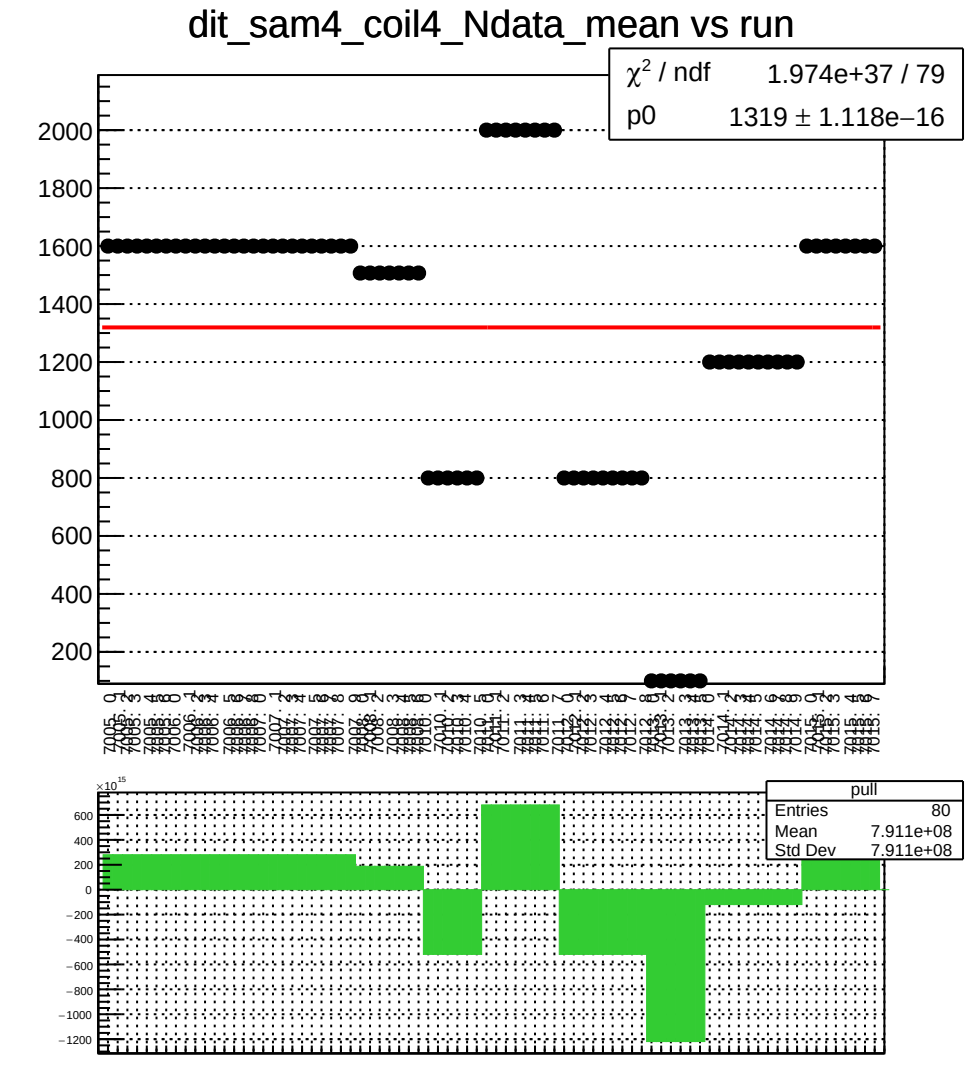

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

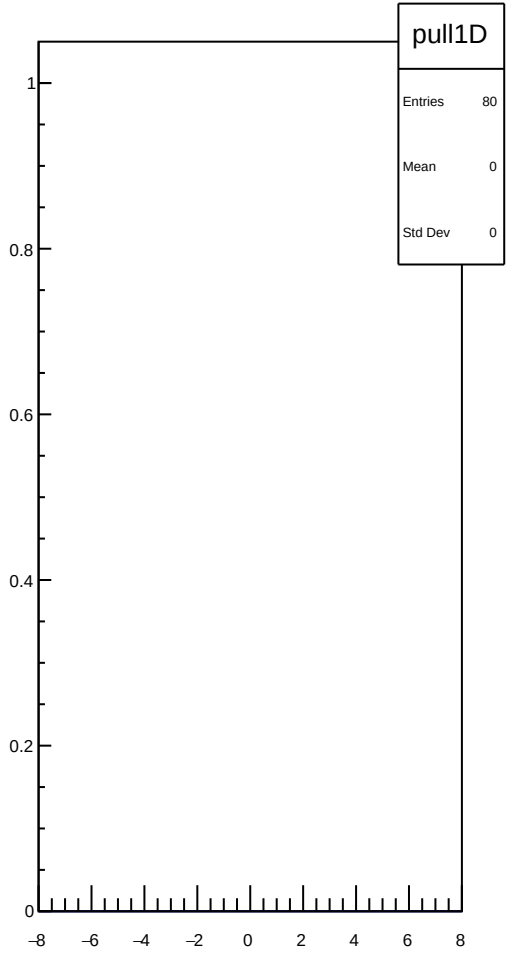

dit_sam4_coil4_mean vs run
χ² / ndf 7.351e+36 / 79
p0 4.46e+04 ± 1.118e−16
45200
45000
44800
44600
44400
44200
44000
pull
Entries 80
Mean −1.356e+09
Std Dev 1.356e+09
×10¹⁵
400
200
0
−200
−400
−600

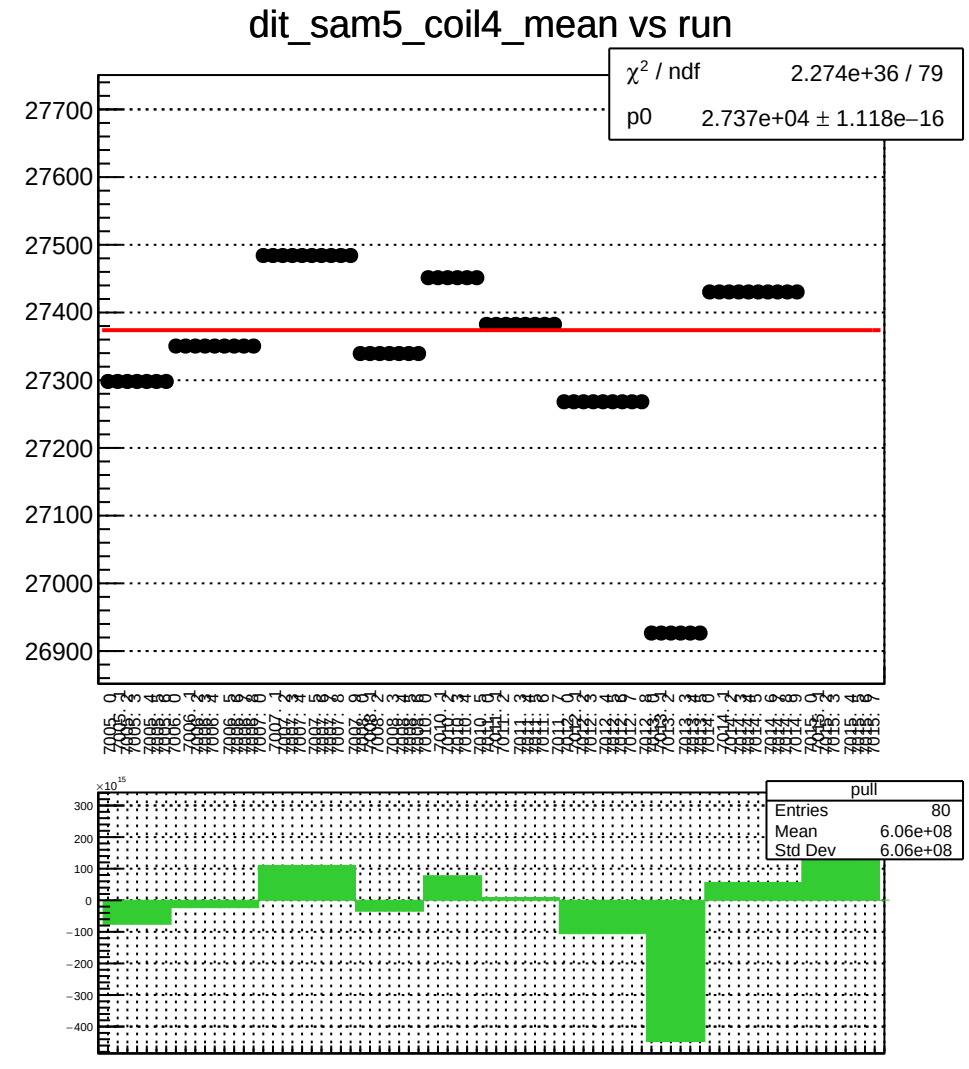

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

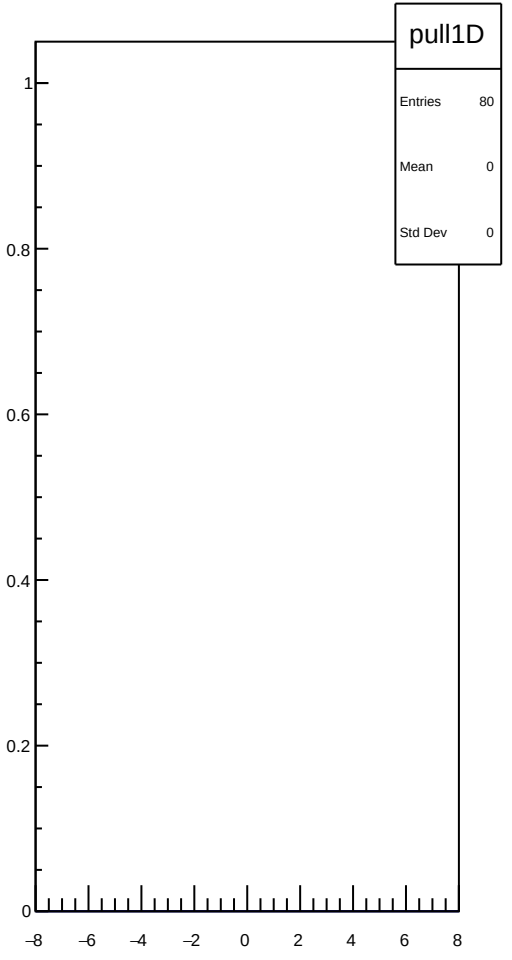

dit_sam4_coil4_err_mean vs run
χ² / ndf 4.943e+36 / 79
p0 638.4 ± 1.118e−16
1400
1200
1000
800
600
400
pull
Entries 80
Mean 7.158e+08
Std Dev 7.158e+08
×10¹⁵
800
600
400
200
0
−200

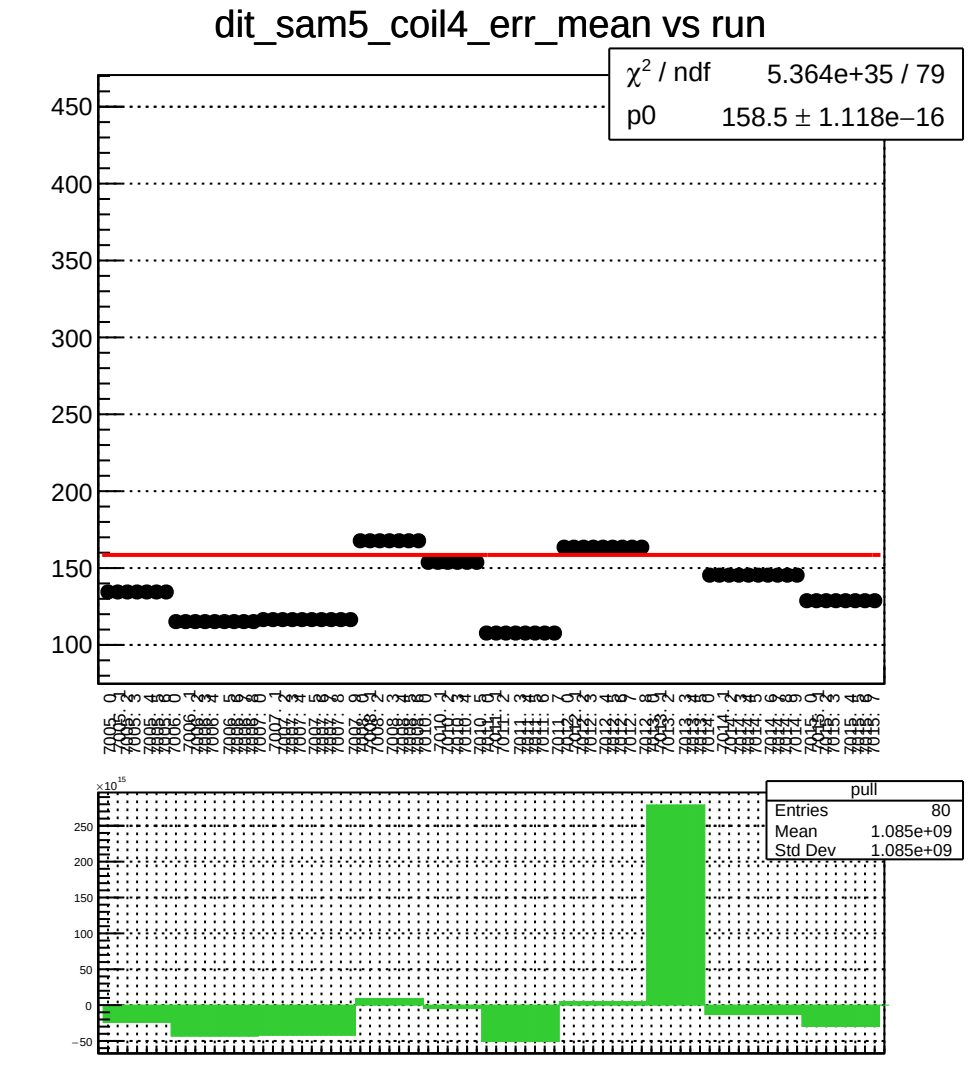

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

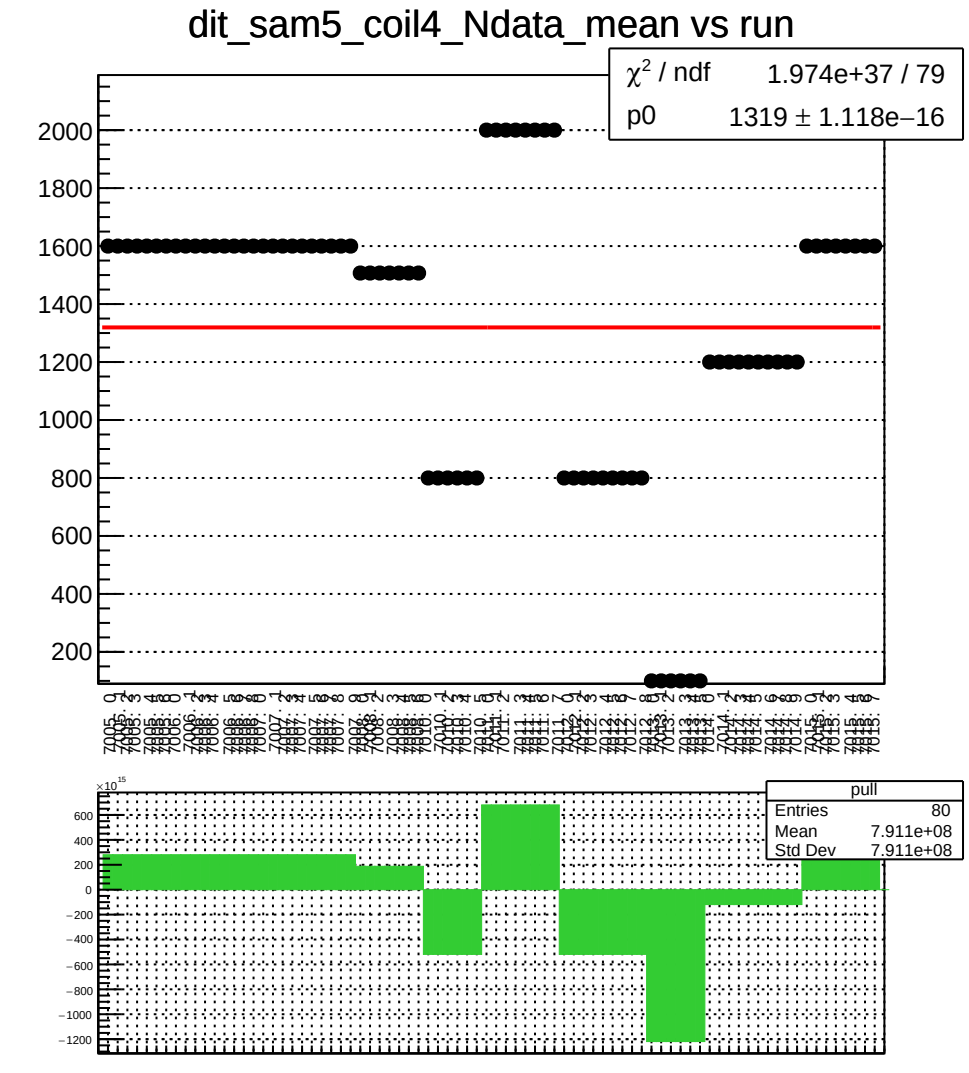

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

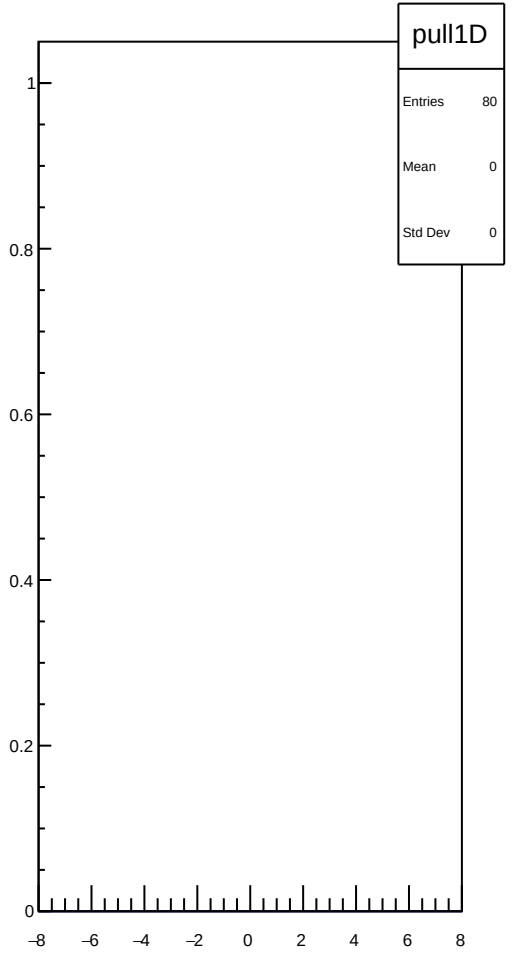

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

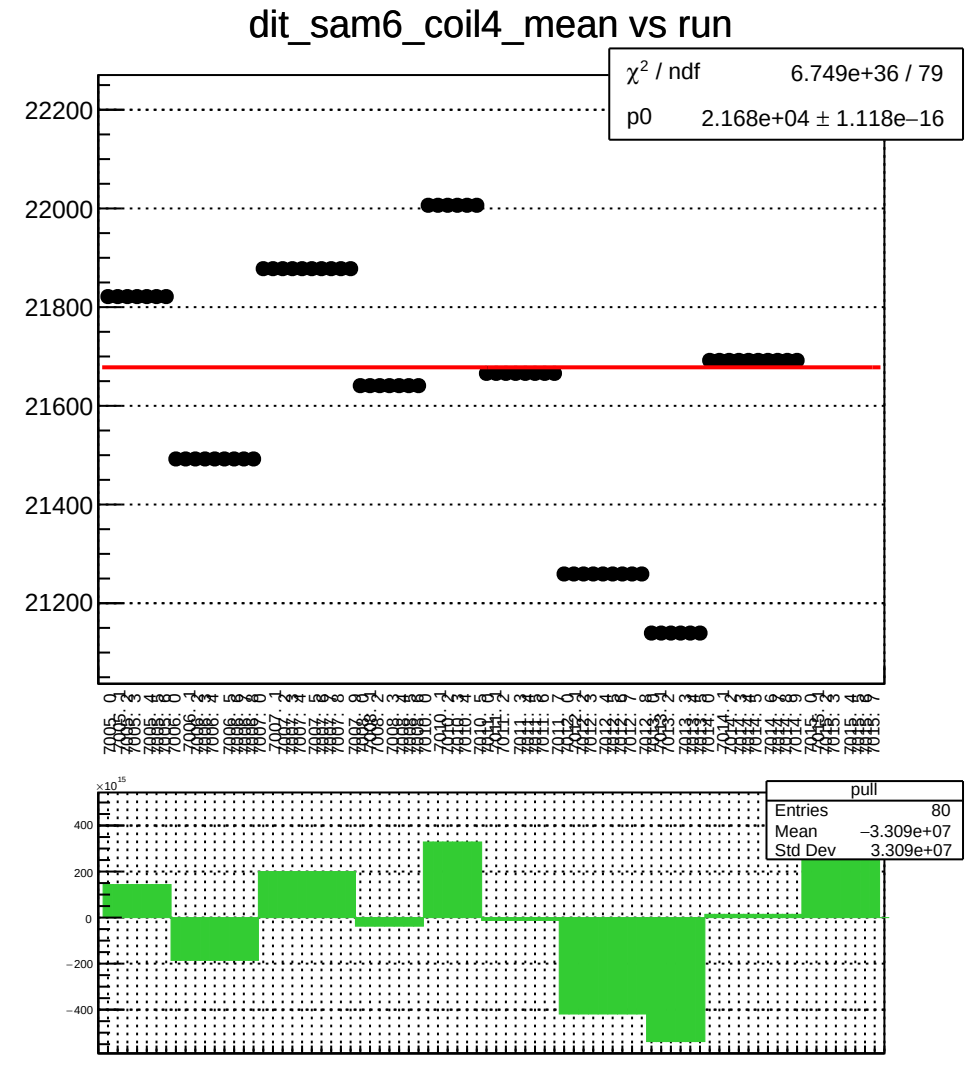

dit_sam5_coil4_mean vs run
χ² / ndf 2.274e+36 / 79
p0 2.737e+04 ± 1.118e−16
27700
27600
27500
27400
27300
27200
27100
27000
26900
pull
Entries 80
Mean 6.06e+08
Std Dev 6.06e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400

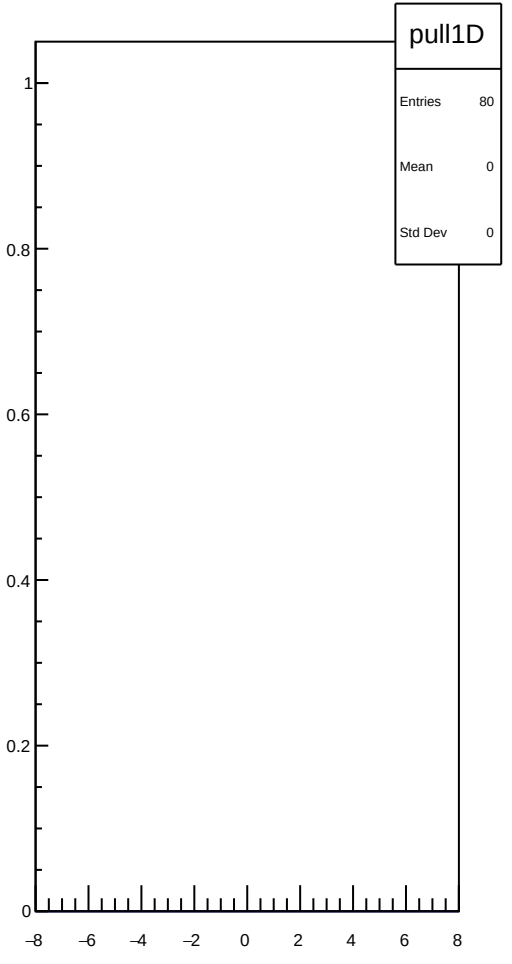

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

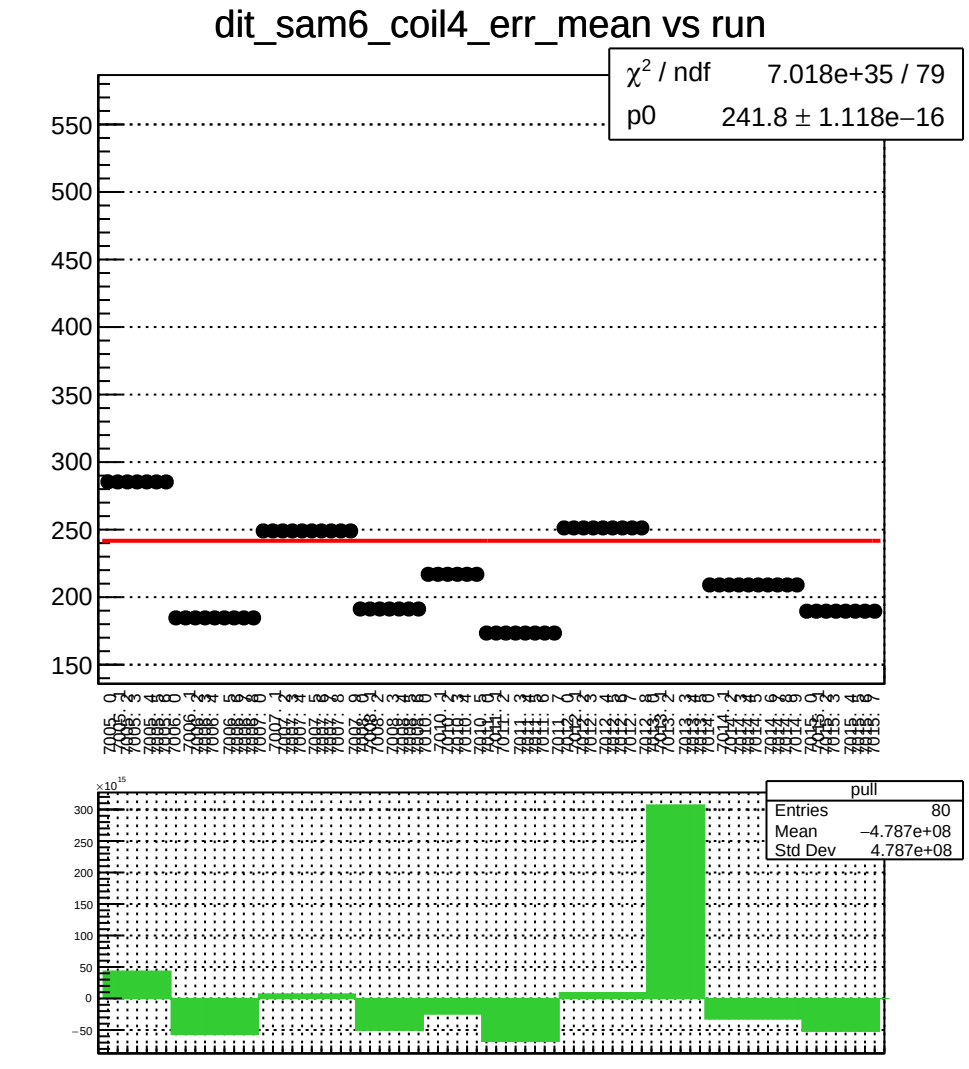

dit_sam5_coil4_err_mean vs run
χ² / ndf 5.364e+35 / 79
p0 158.5 ± 1.118e−16
pull
Entries 80
Mean 1.085e+09
Std Dev 1.085e+09
pull1D
Entries 80
Mean 0
Std Dev 0

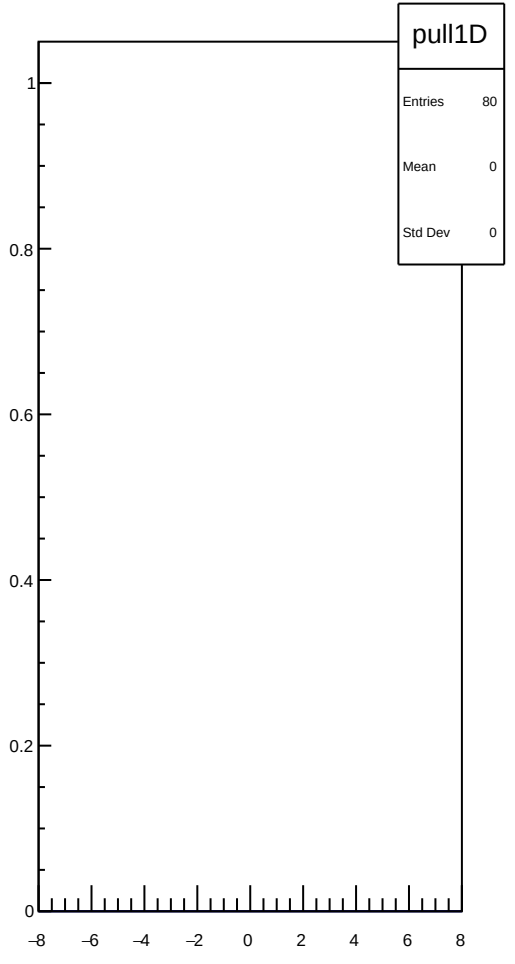

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

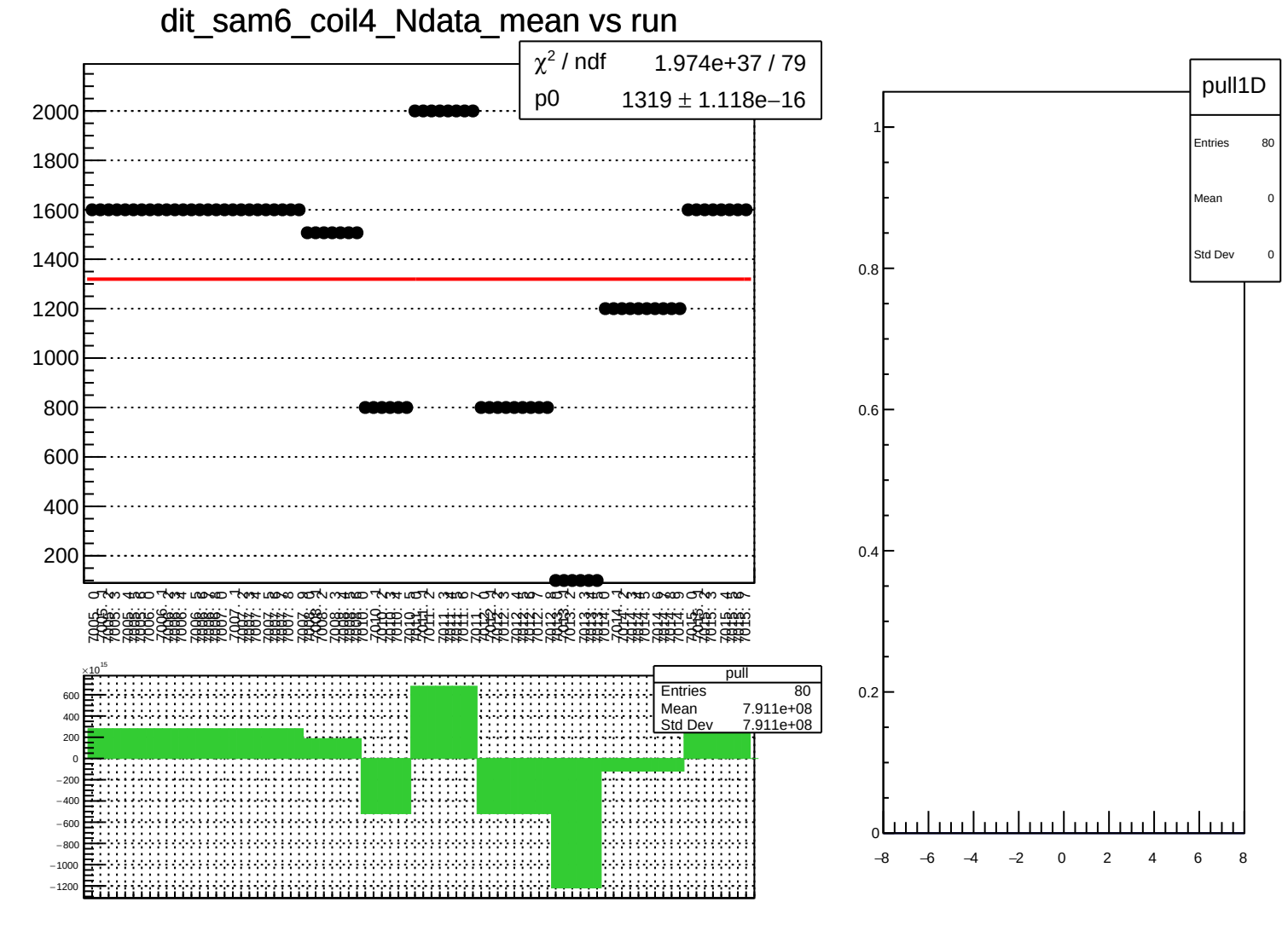

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

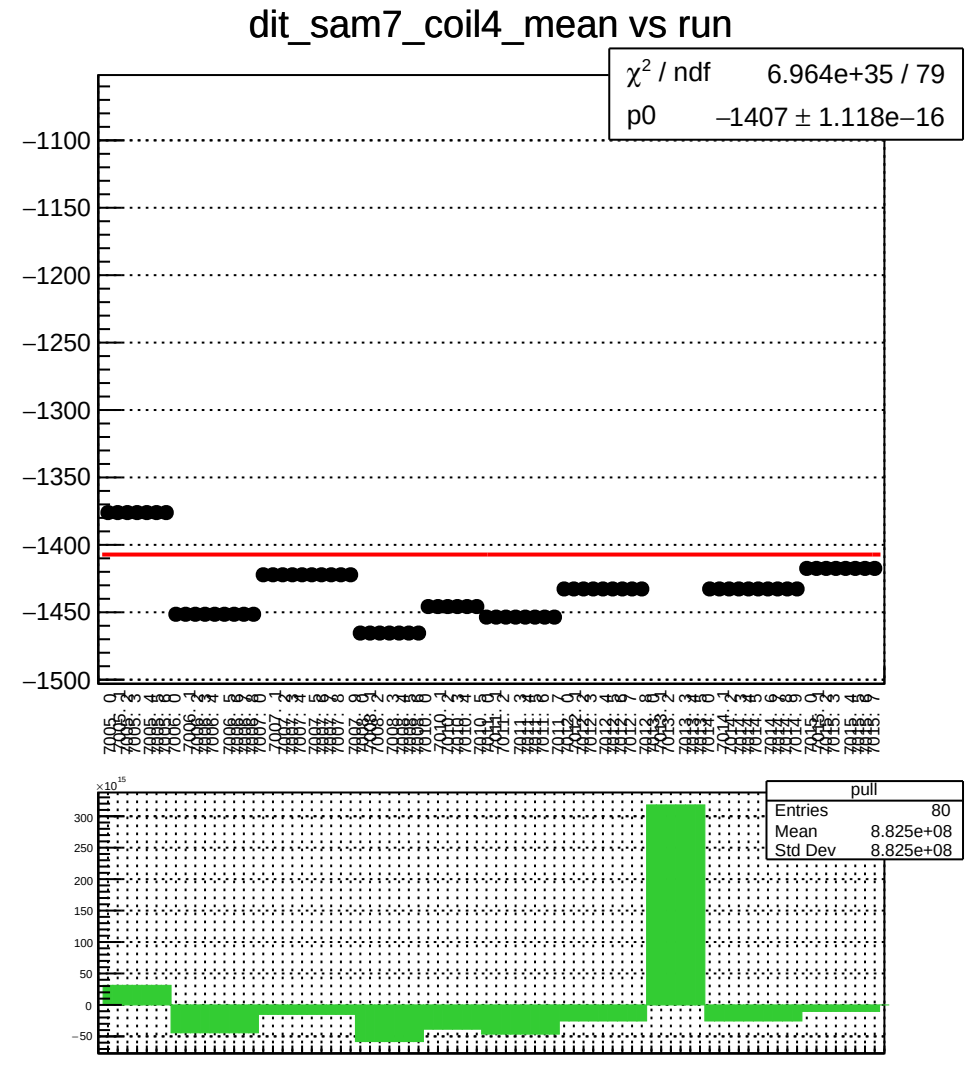

dit_sam6_coil4_mean vs run
χ² / ndf 6.749e+36 / 79
p0 2.168e+04 ± 1.118e−16
22200
22000
21800
21600
21400
21200
×10¹⁵
400
200
0
−200
−400
pull
Entries 80
Mean −3.309e+07
Std Dev 3.309e+07

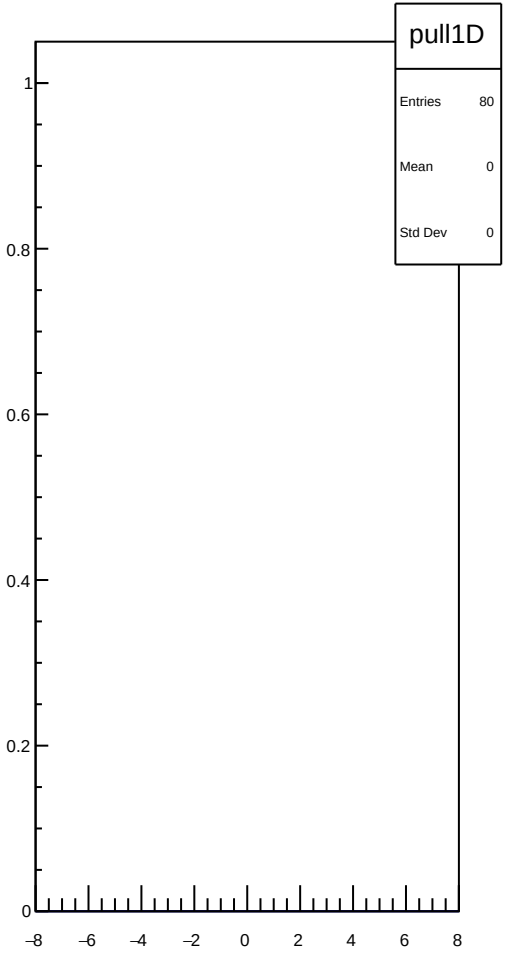

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

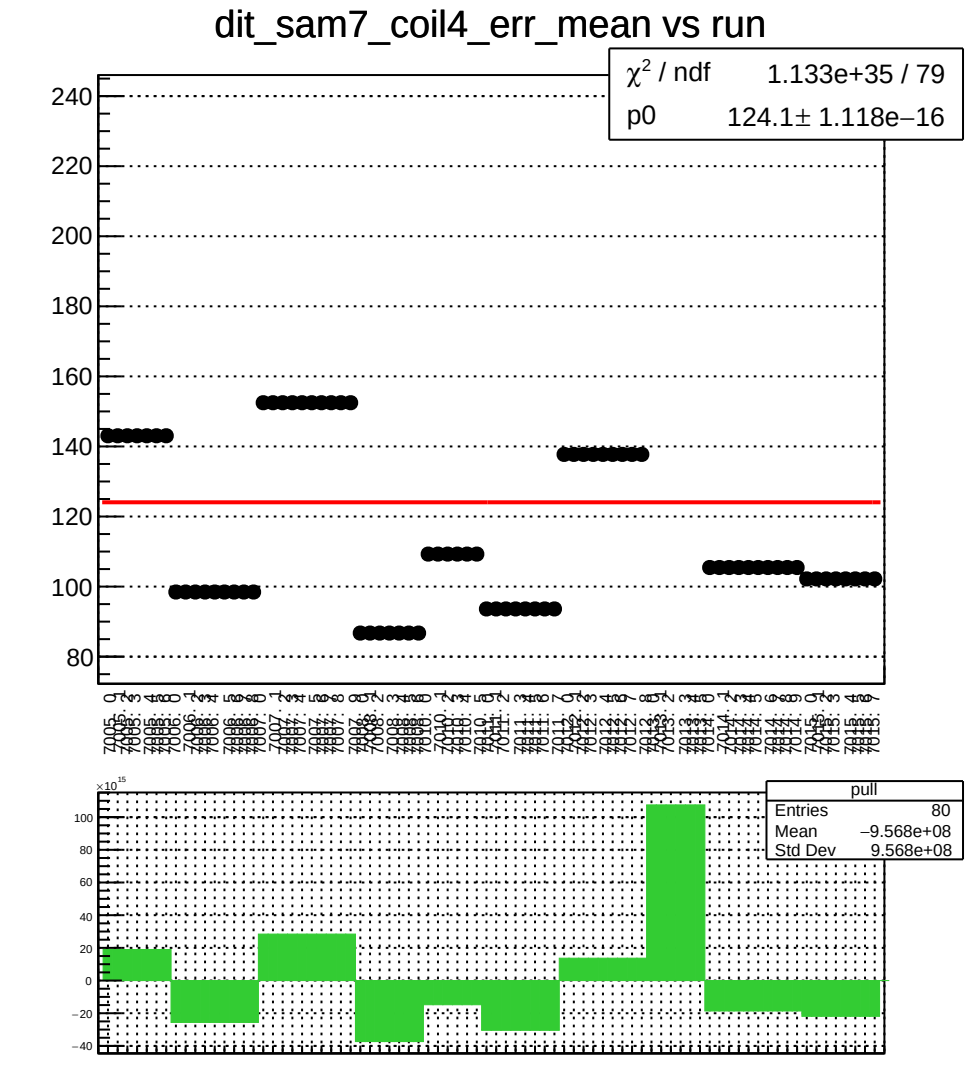

dit_sam6_coil4_err_mean vs run
χ² / ndf 7.018e+35 / 79
p0 241.8 ± 1.118e−16
550
500
450
400
350
300
250
200
150
pull
Entries 80
Mean −4.787e+08
Std Dev 4.787e+08
×10¹⁵
300
250
200
150
100
50
0
−50

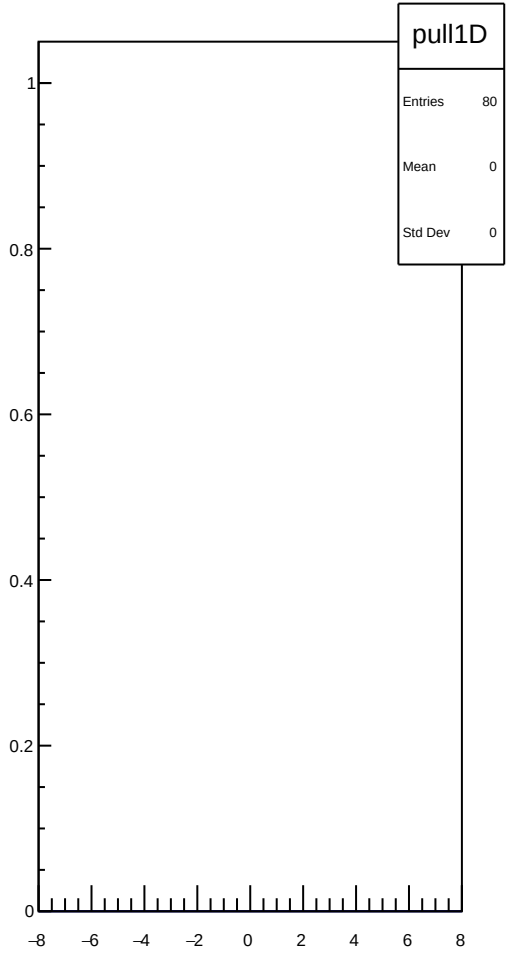

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

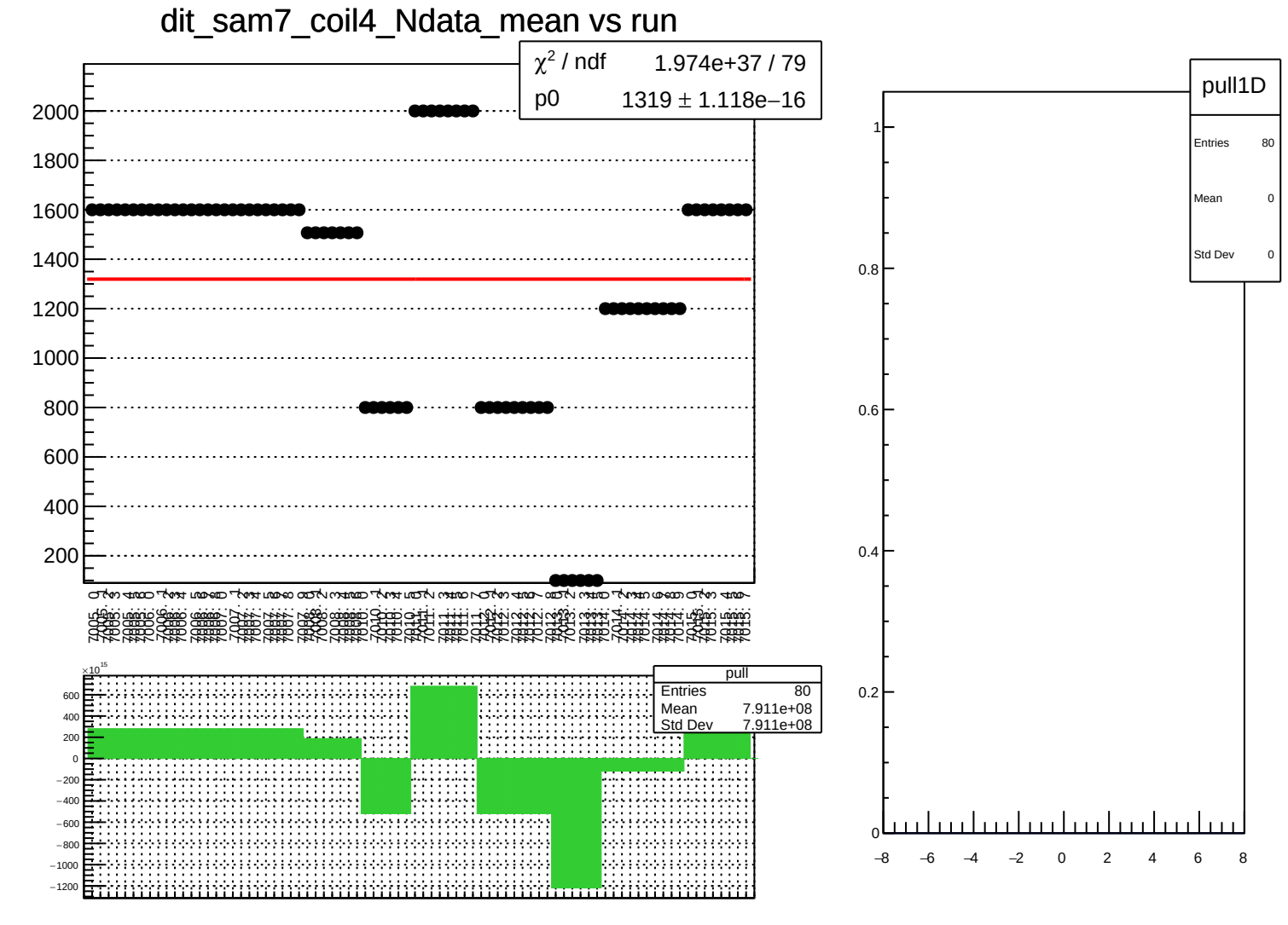

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

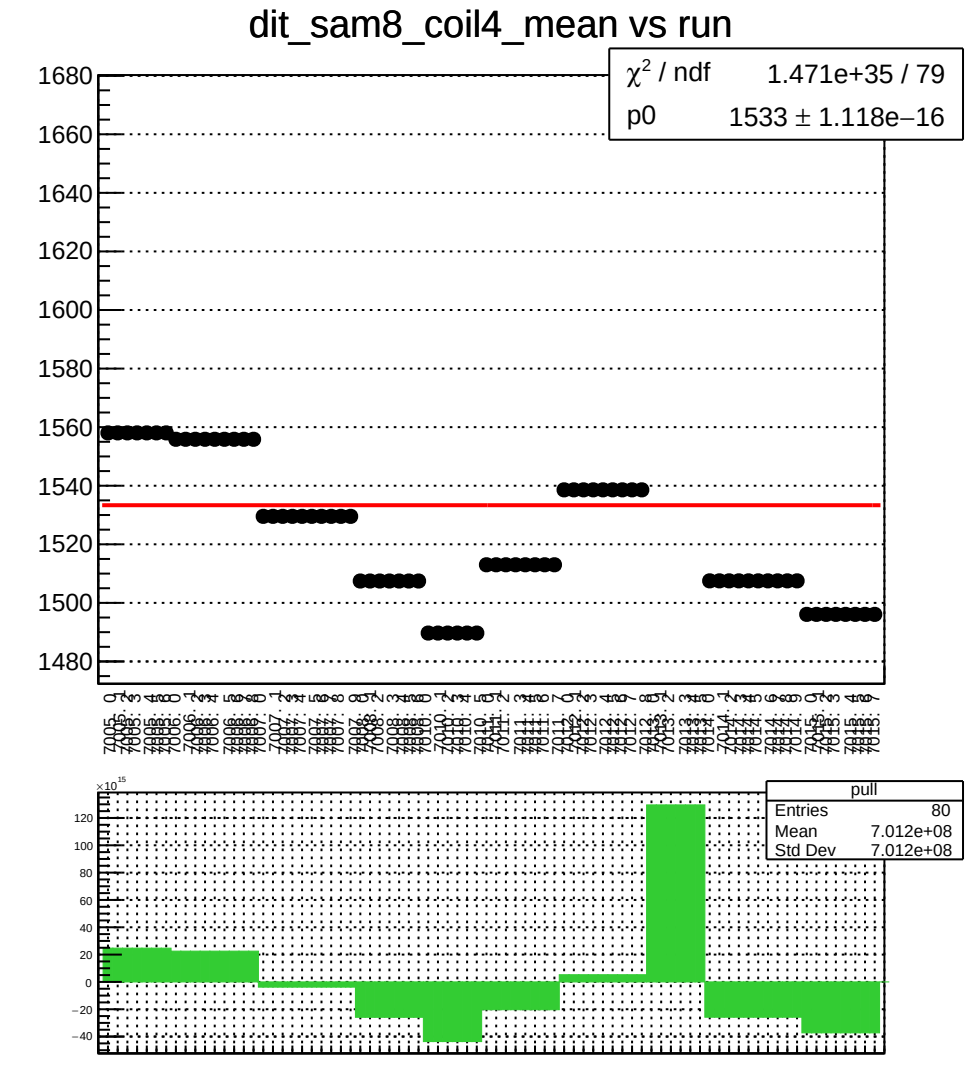

dit_sam7_coil4_mean vs run
χ² / ndf 6.964e+35 / 79
p0 –1407 ± 1.118e–16
–1100
–1150
–1200
–1250
–1300
–1350
–1400
–1450
–1500
×10¹⁵
300
250
200
150
100
50
0
–50
pull
Entries 80
Mean 8.825e+08
Std Dev 8.825e+08

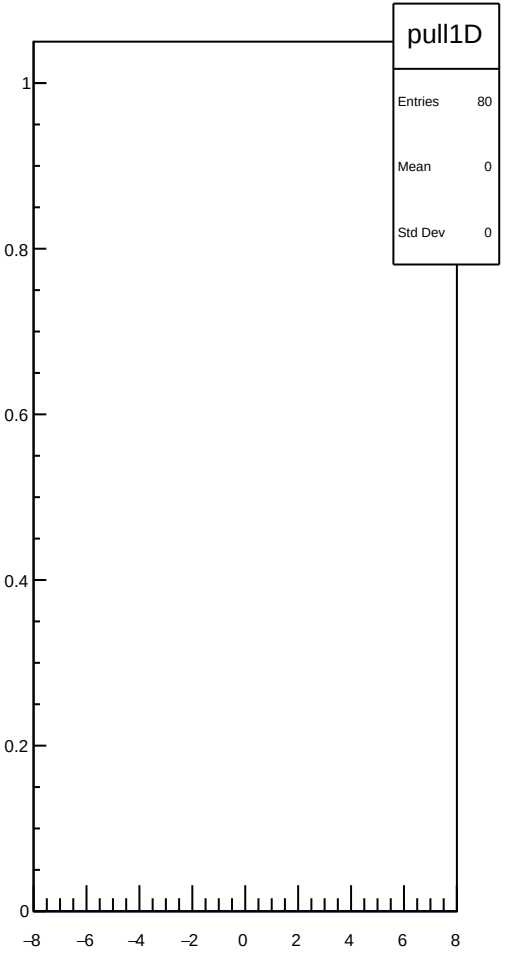

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

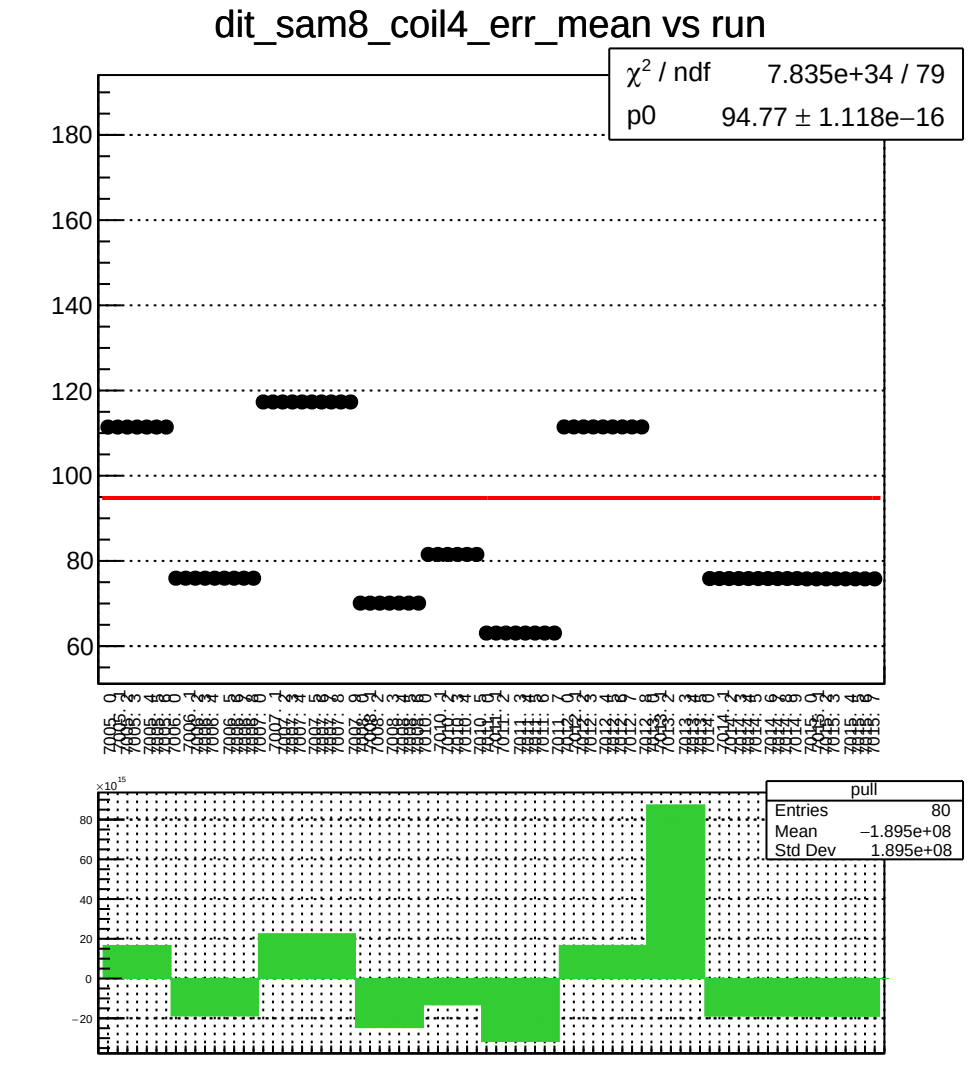

dit_sam7_coil4_err_mean vs run
χ² / ndf 1.133e+35 / 79
p0 124.1± 1.118e−16
240
220
200
180
160
140
120
100
80
pull
Entries 80
Mean −9.568e+08
Std Dev 9.568e+08
×10¹⁵
100
80
60
40
20
0
−20
−40

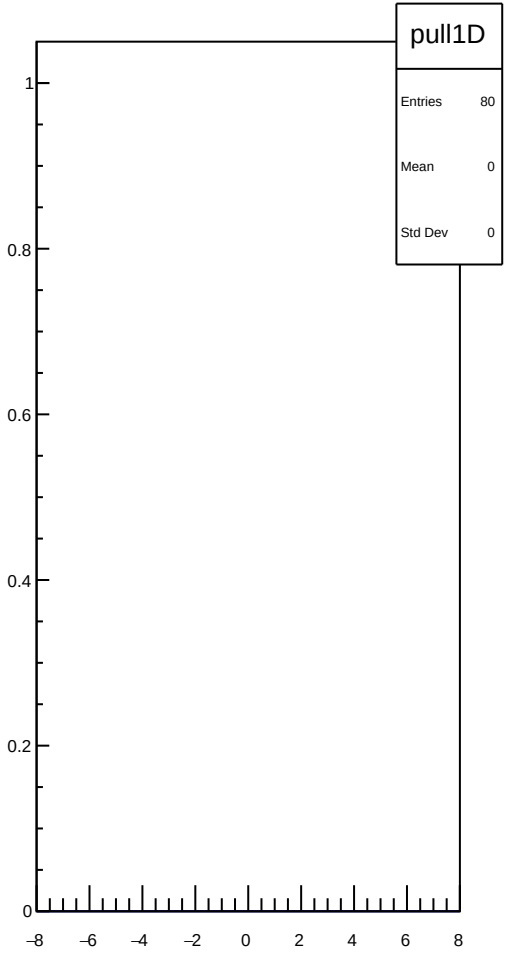

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

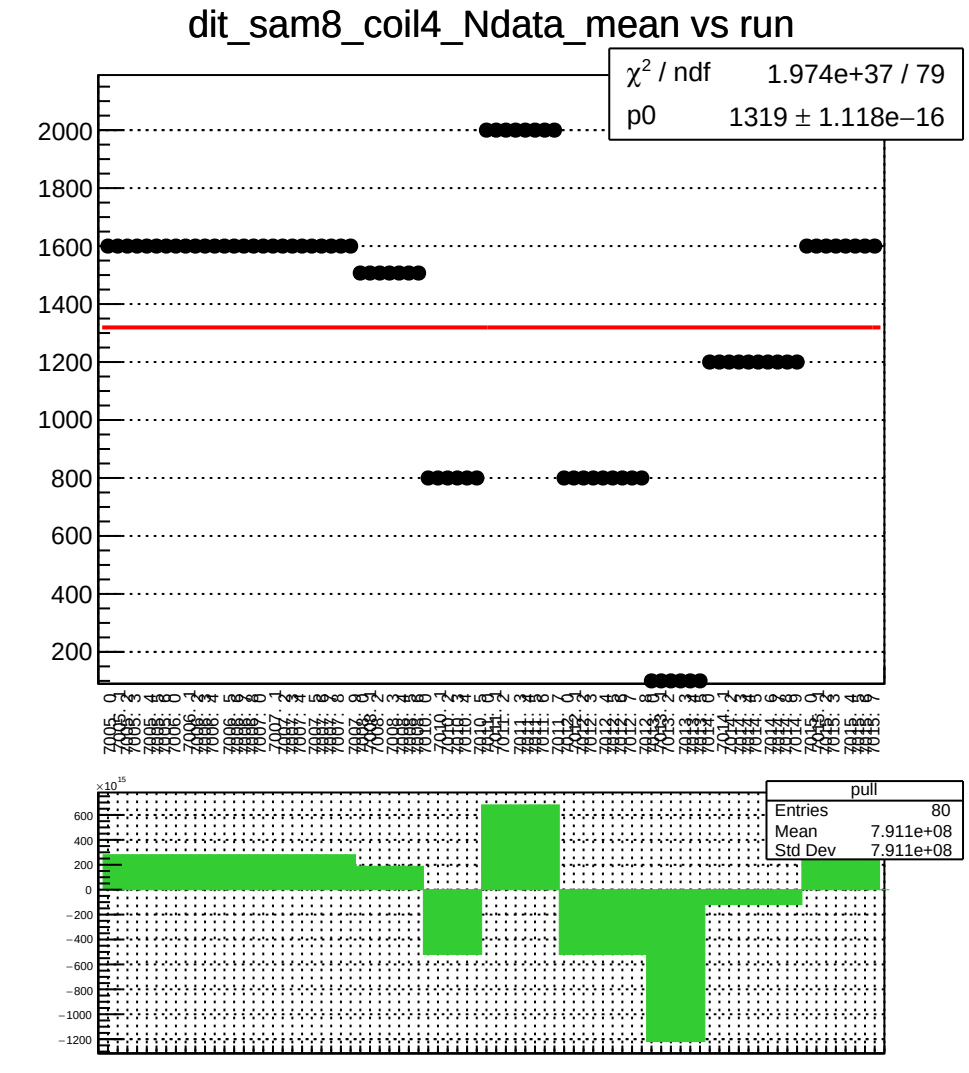

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

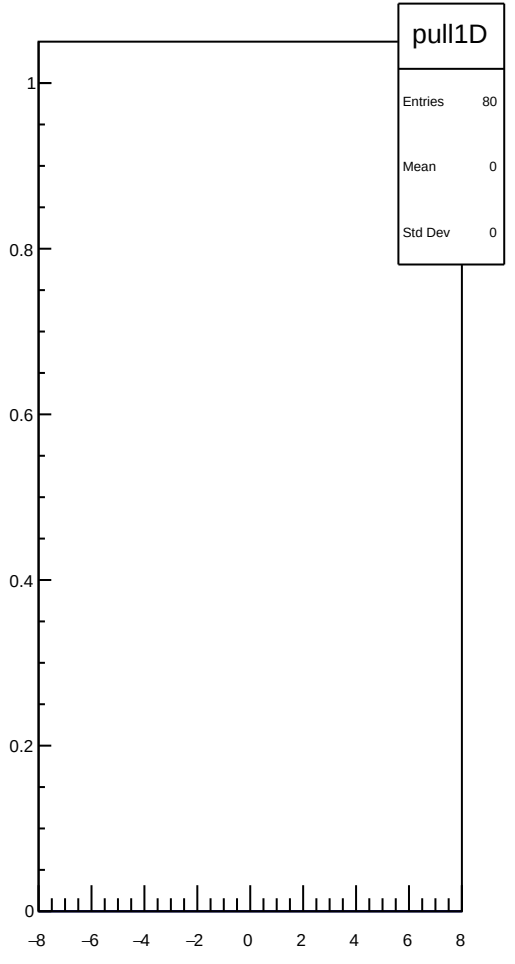

dit_sam8_coil4_mean vs run
χ² / ndf 1.471e+35 / 79
p0 1533 ± 1.118e−16
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
pull
Entries 80
Mean 7.012e+08
Std Dev 7.012e+08
×10¹⁵
120
100
80
60
40
20
0
−20
−40

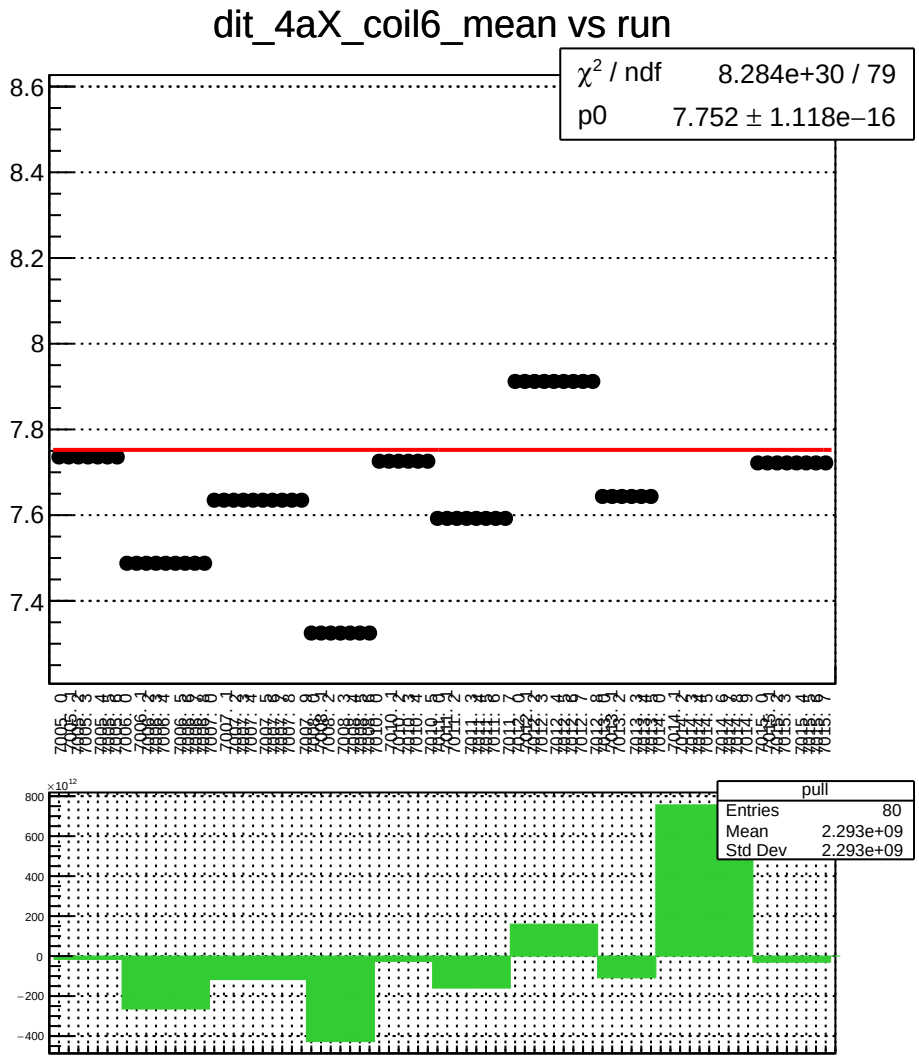

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

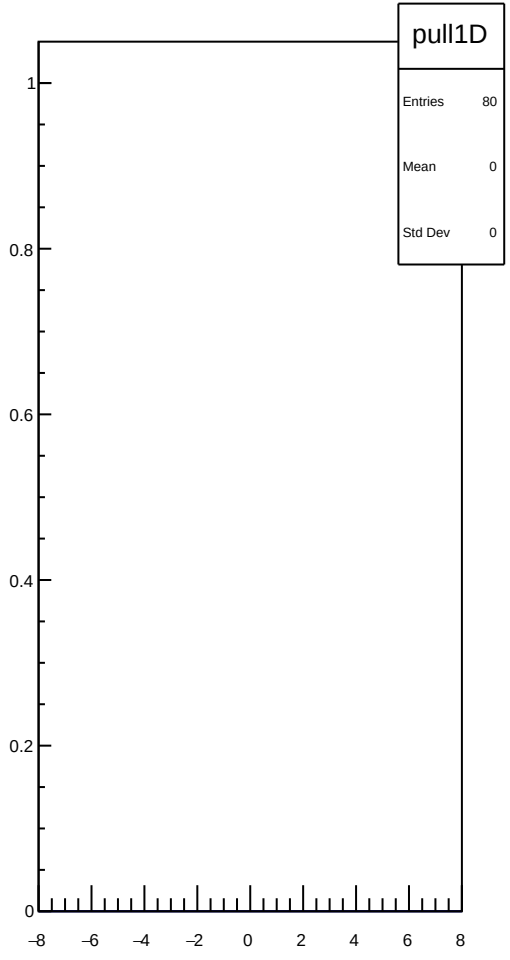

dit_sam8_coil4_err_mean vs run
χ² / ndf 7.835e+34 / 79
p0 94.77 ± 1.118e−16
180
160
140
120
100
80
60
×10¹⁵
80
60
40
20
0
−20
pull
Entries 80
Mean −1.895e+08
Std Dev 1.895e+08

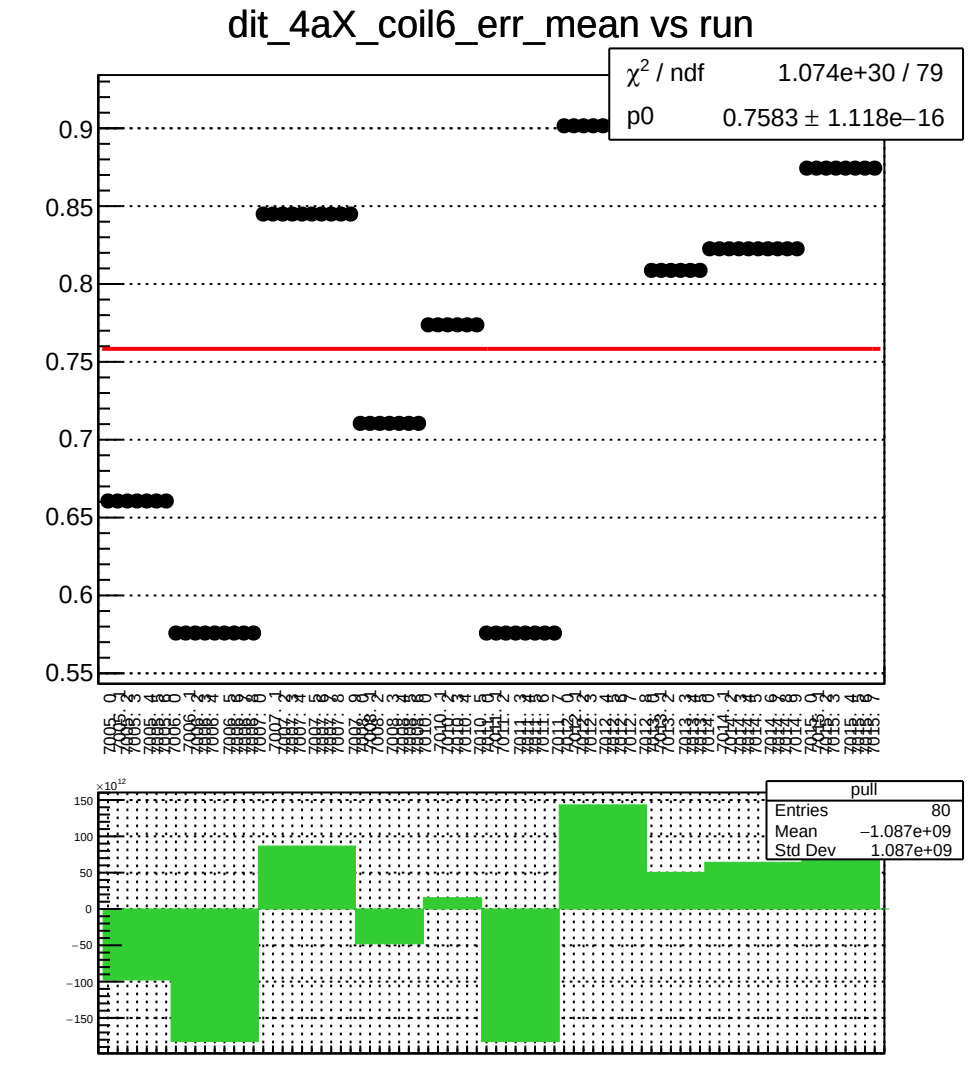

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

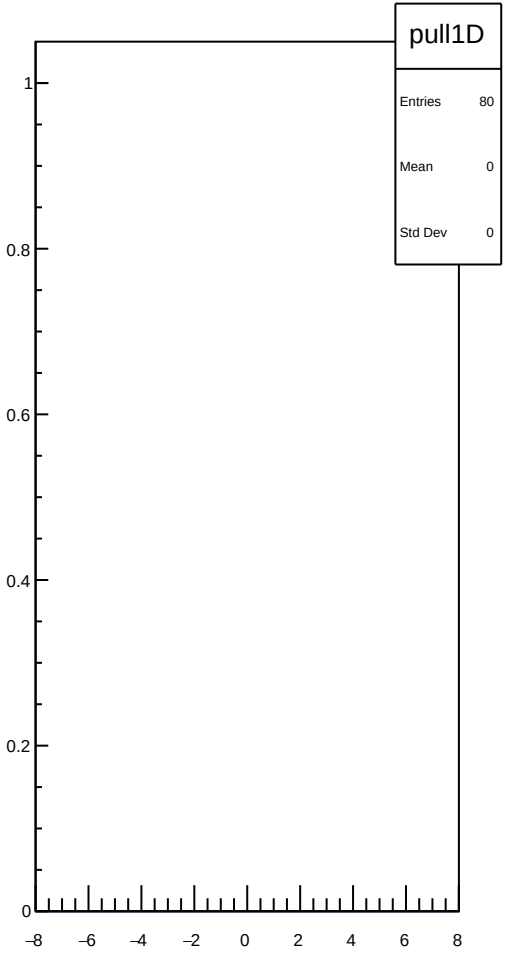

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

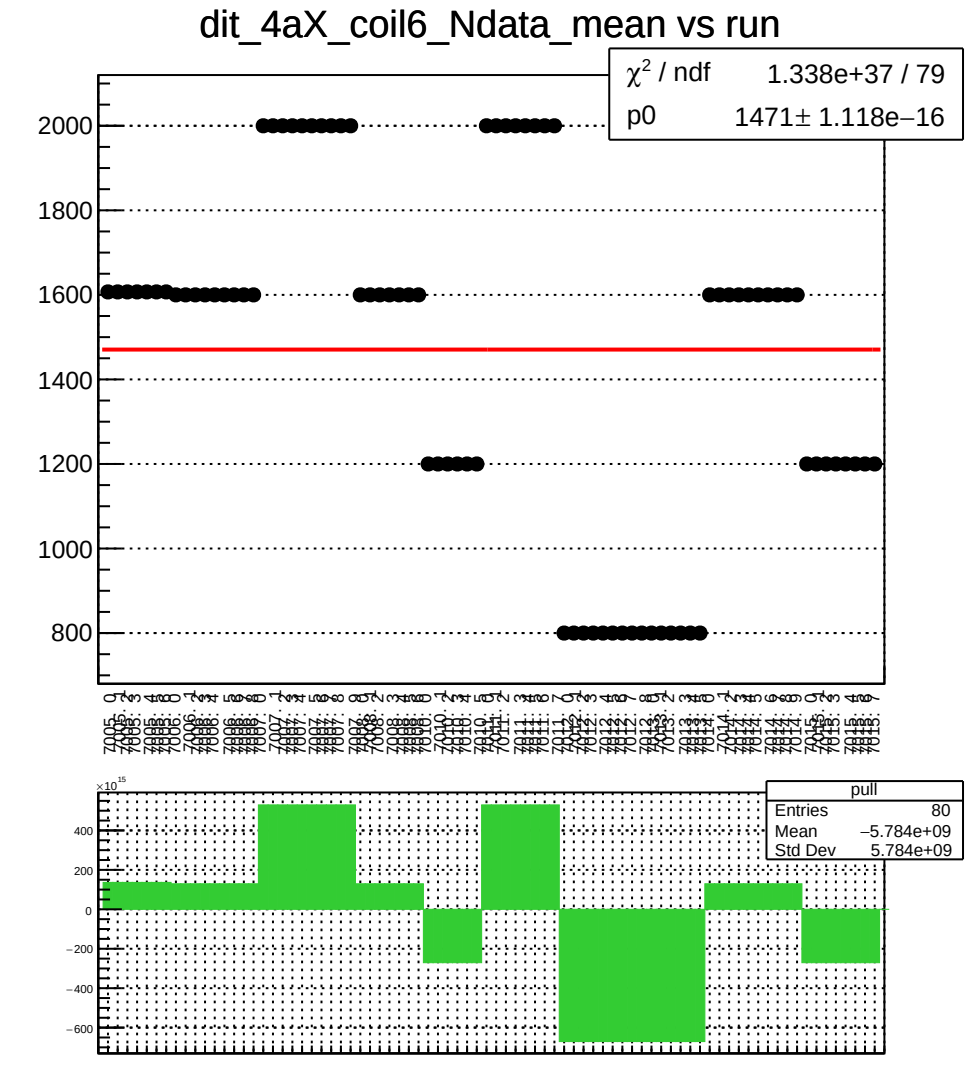

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

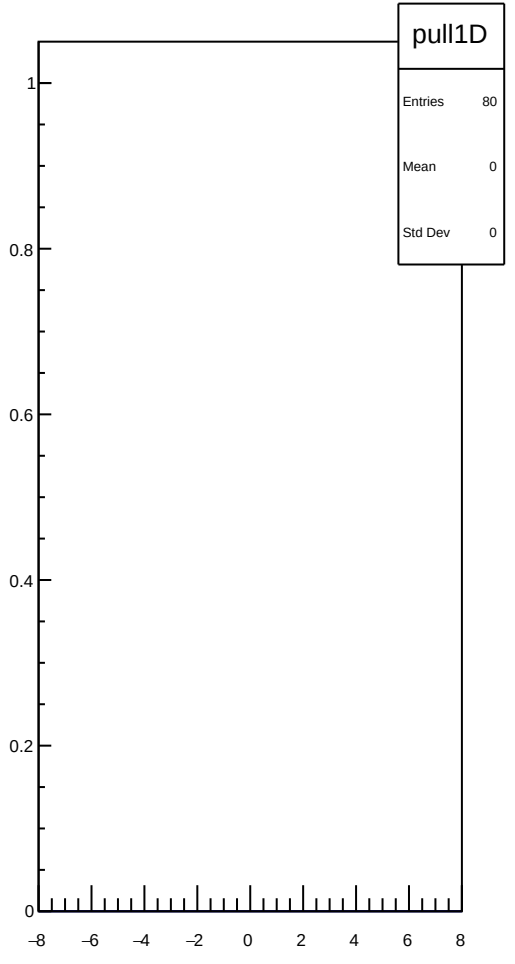

dit_4aX_coil6_mean vs run
χ² / ndf 8.284e+30 / 79
p0 7.752 ± 1.118e−16
8.6
8.4
8.2
8
7.8
7.6
7.4
×10¹²
800
600
400
200
0
−200
−400
pull
Entries 80
Mean 2.293e+09
Std Dev 2.293e+09

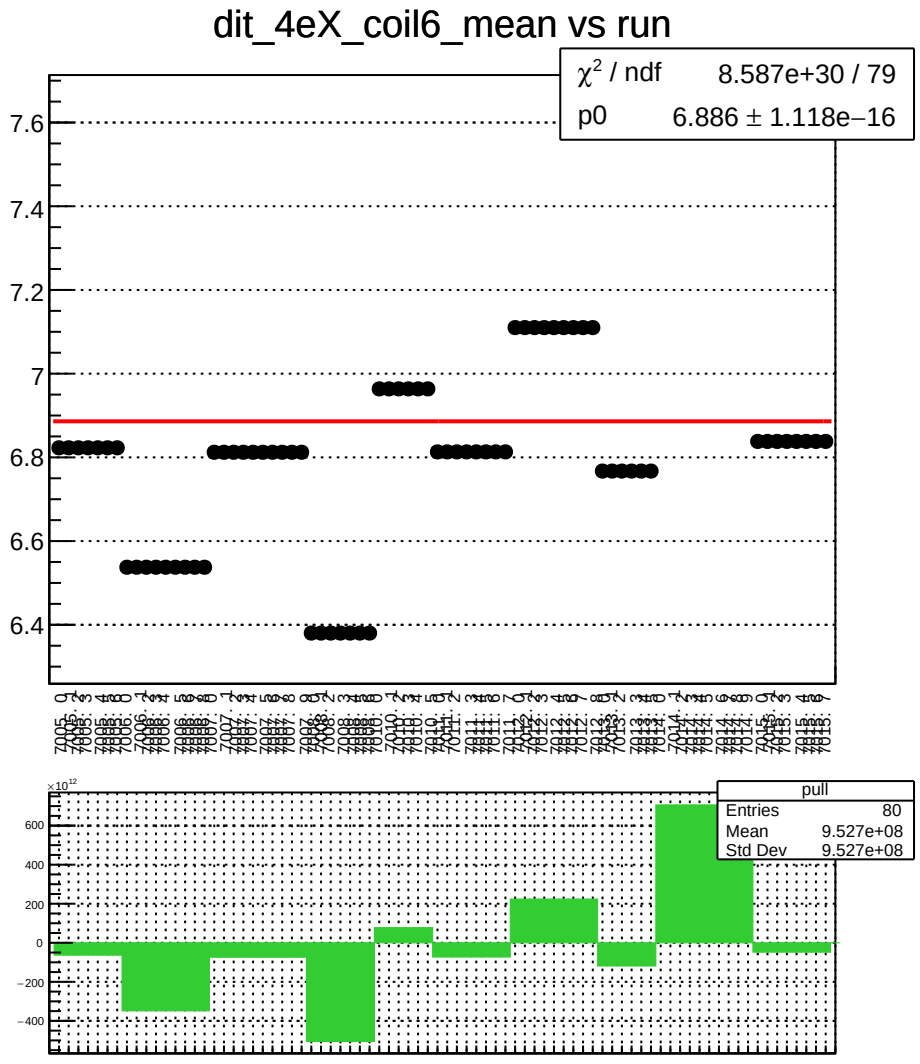

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

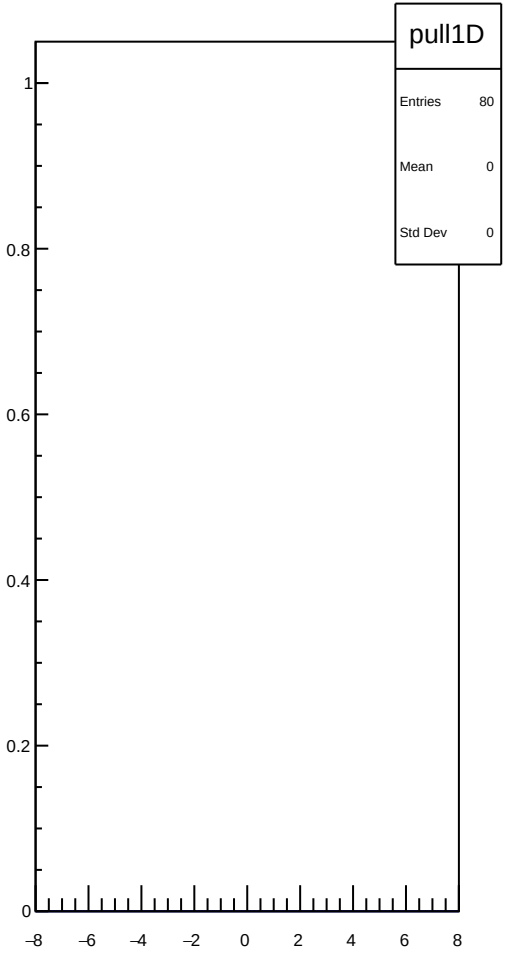

dit_4aX_coil6_err_mean vs run
χ² / ndf 1.074e+30 / 79
p0 0.7583 ± 1.118e−16
pull
Entries 80
Mean −1.087e+09
Std Dev 1.087e+09

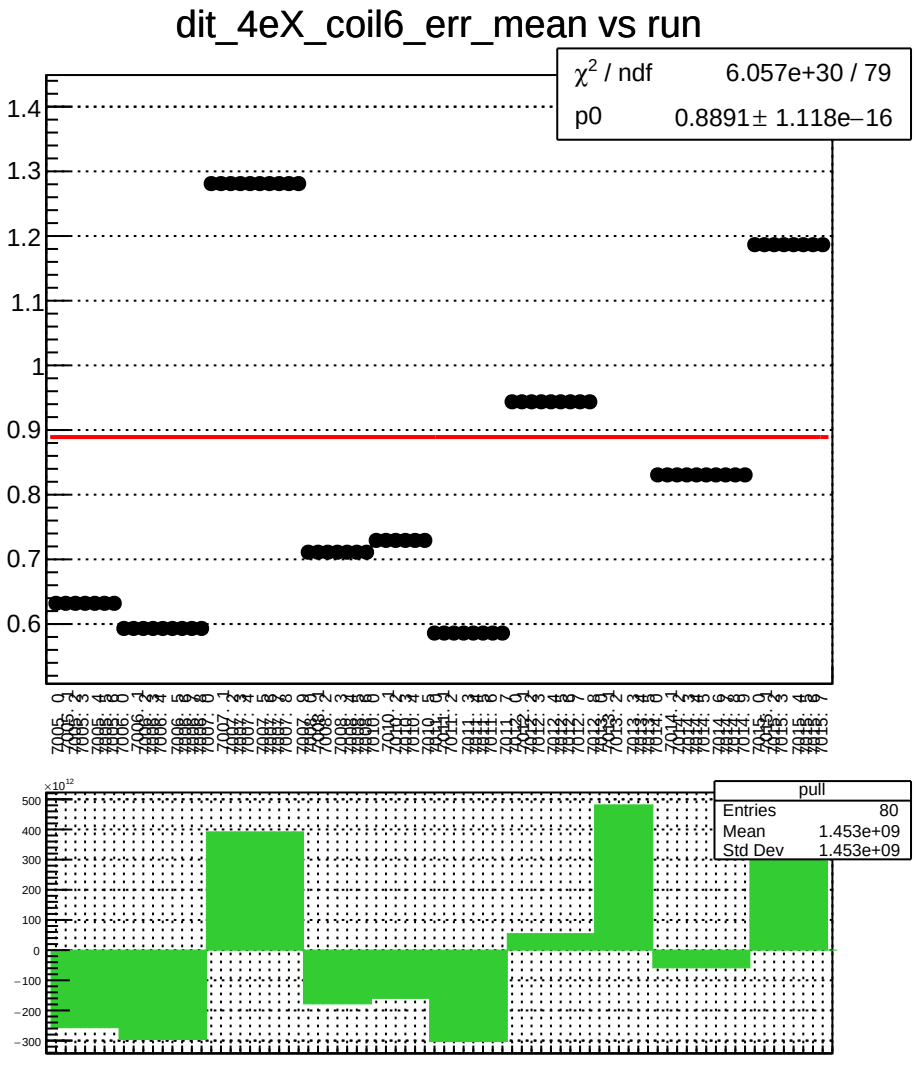

pull1D
Entries 80
Mean 0
Std Dev 0

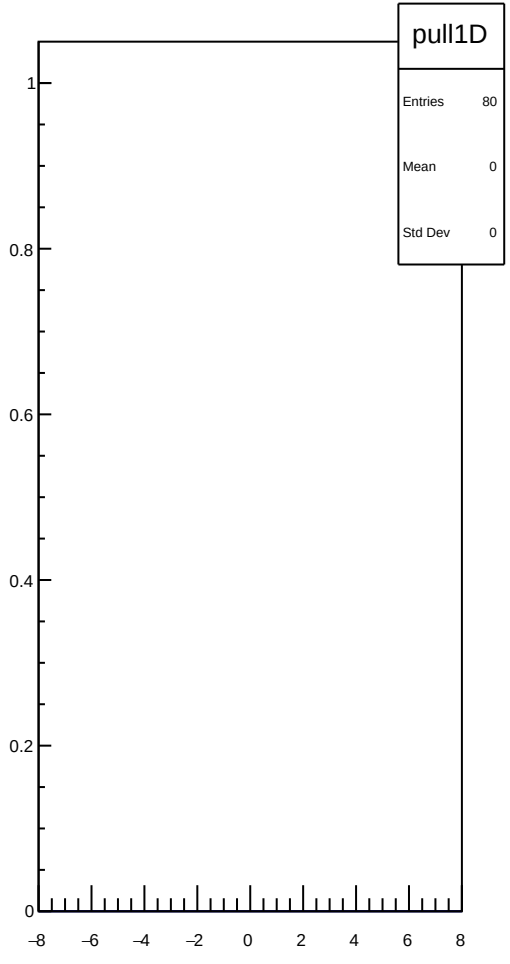

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

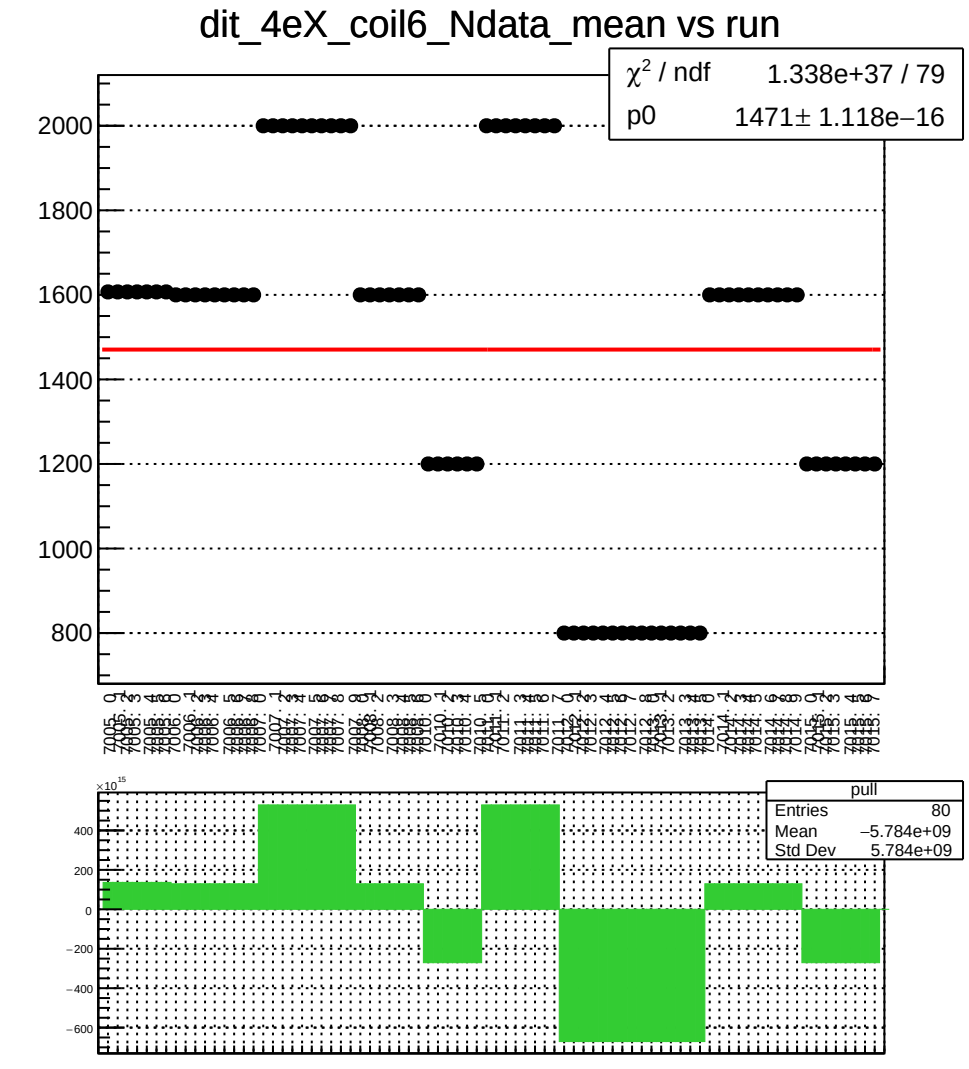

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

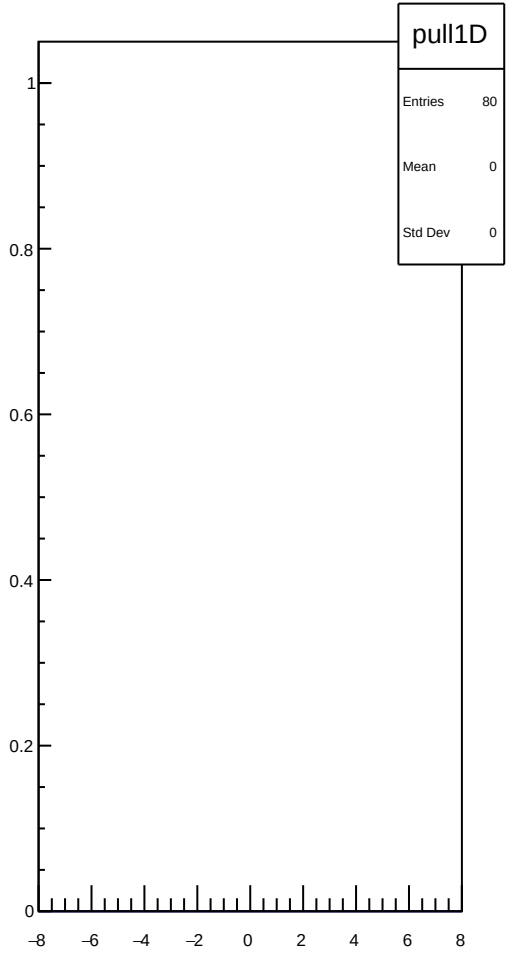

dit_4eX_coil6_mean vs run
χ² / ndf 8.587e+30 / 79
p0 6.886 ± 1.118e−16
7.6
7.4
7.2
7
6.8
6.6
6.4
pull
Entries 80
Mean 9.527e+08
Std Dev 9.527e+08
×10¹²
600
400
200
0
−200
−400

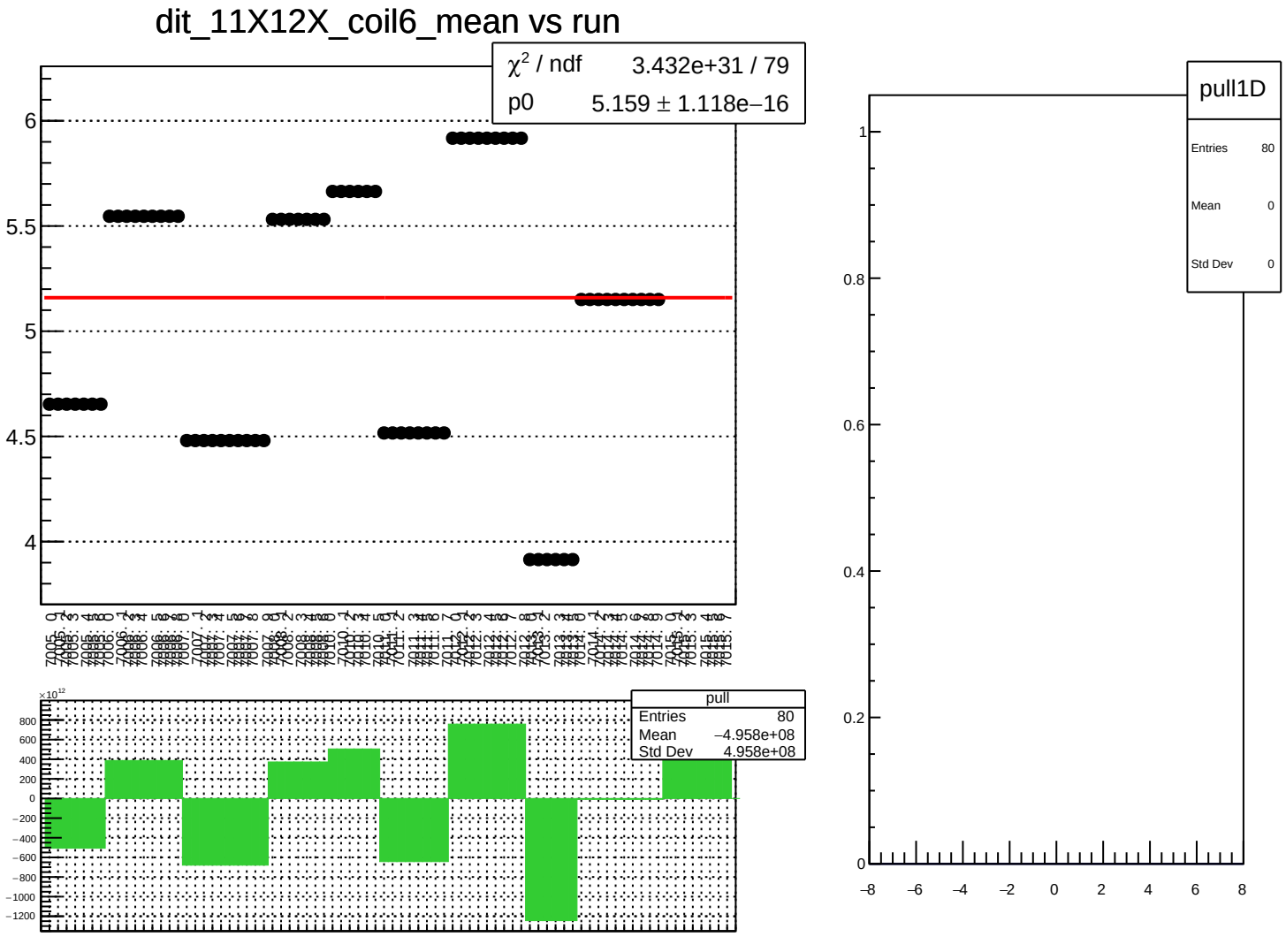

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

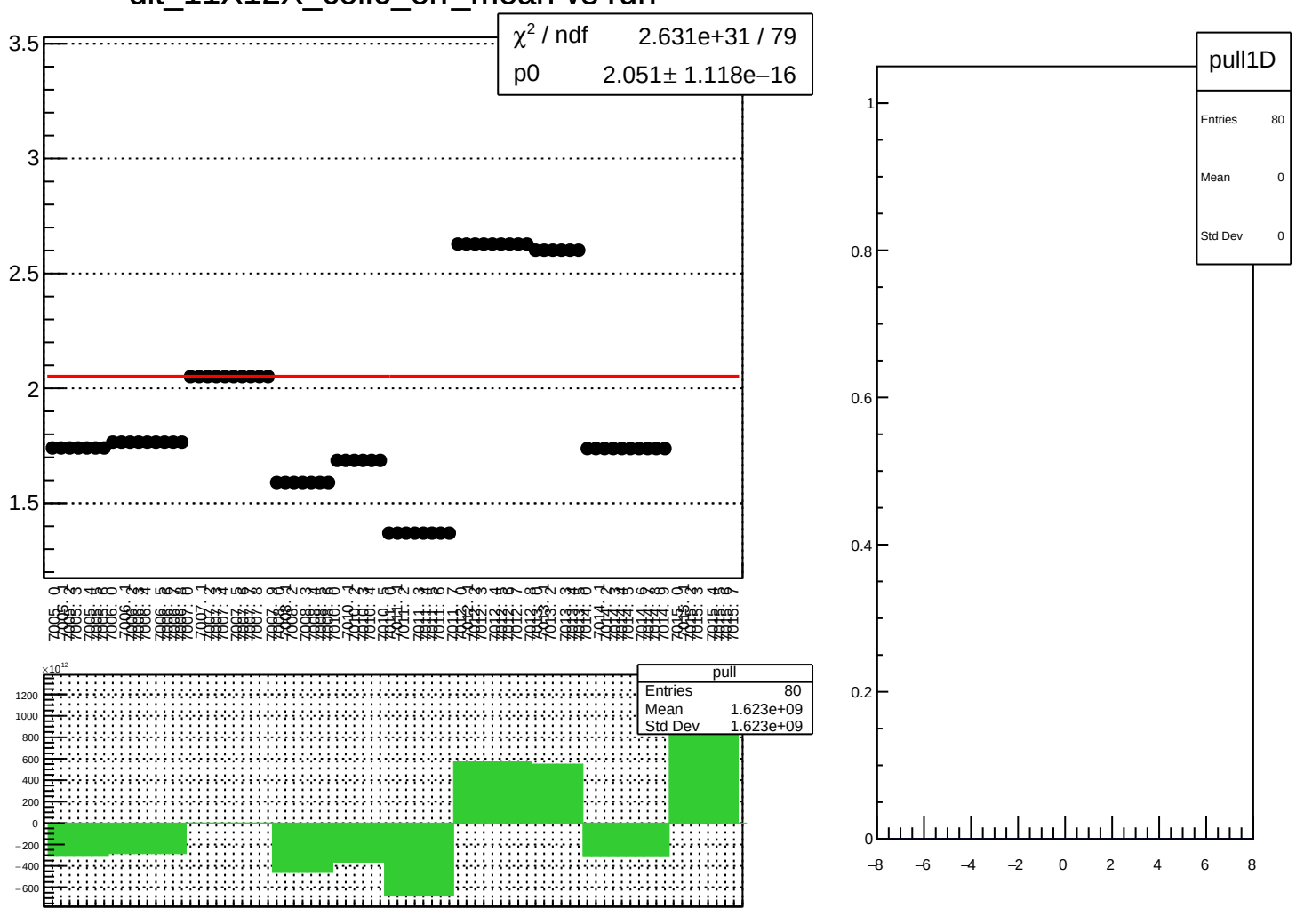

dit_4eX_coil6_err_mean vs run
χ² / ndf 6.057e+30 / 79
p0 0.8891 ± 1.118e−16
pull
Entries 80
Mean 1.453e+09
Std Dev 1.453e+09

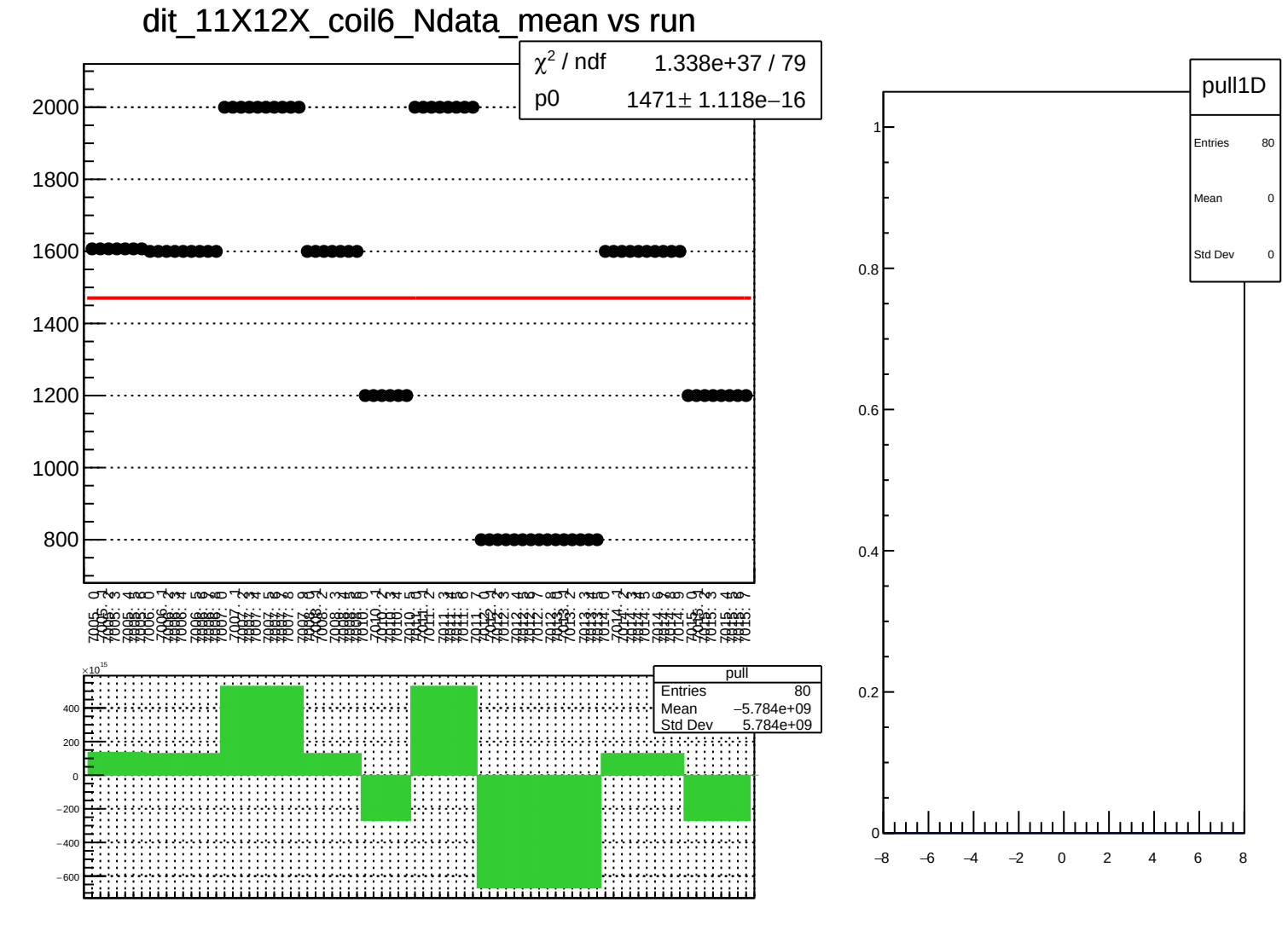

pull1D
Entries 80
Mean 0
Std Dev 0

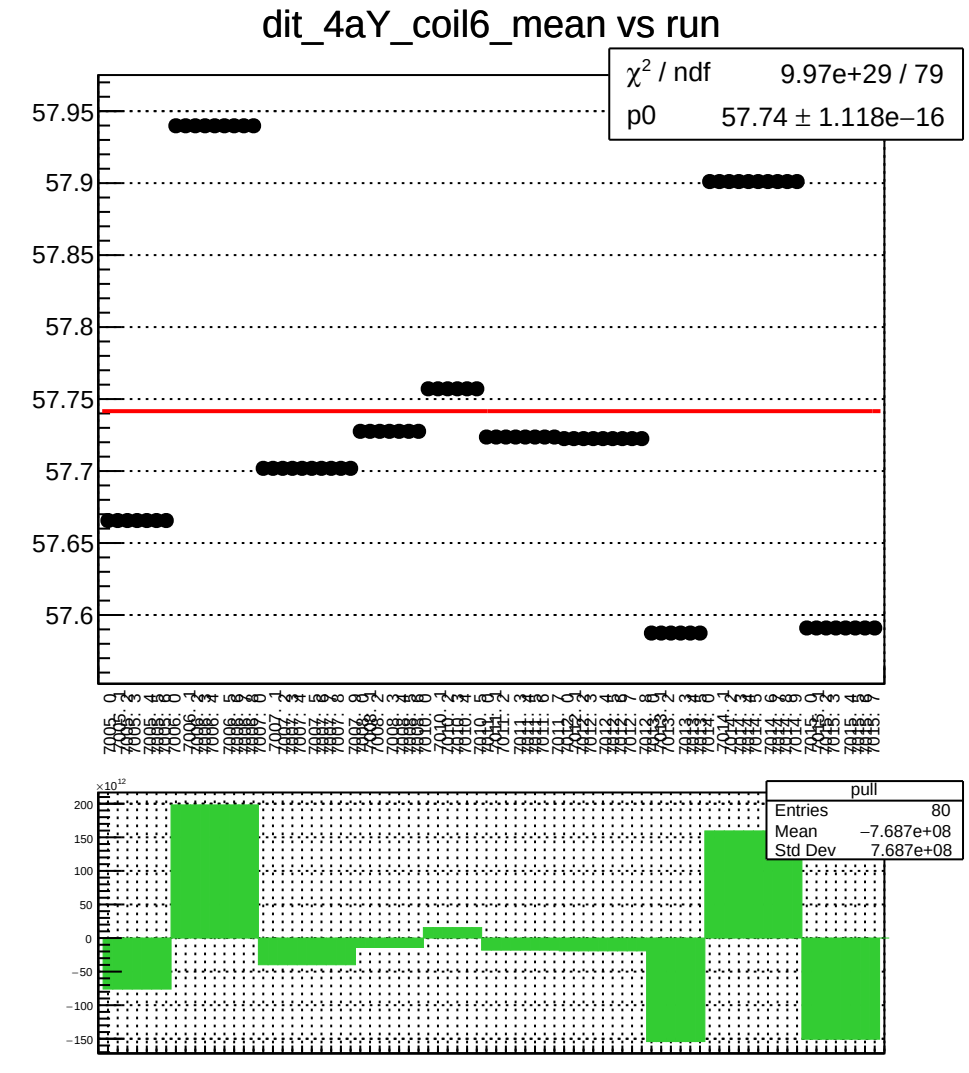

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

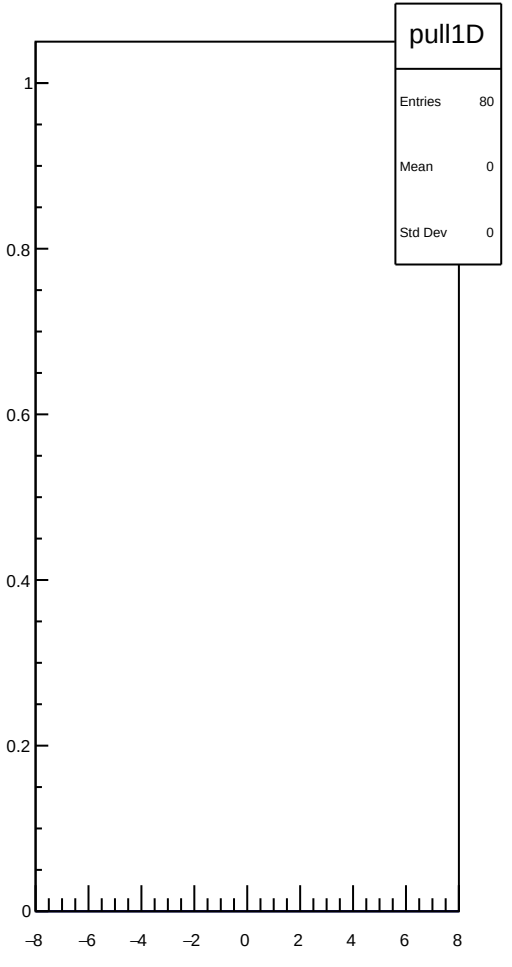

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

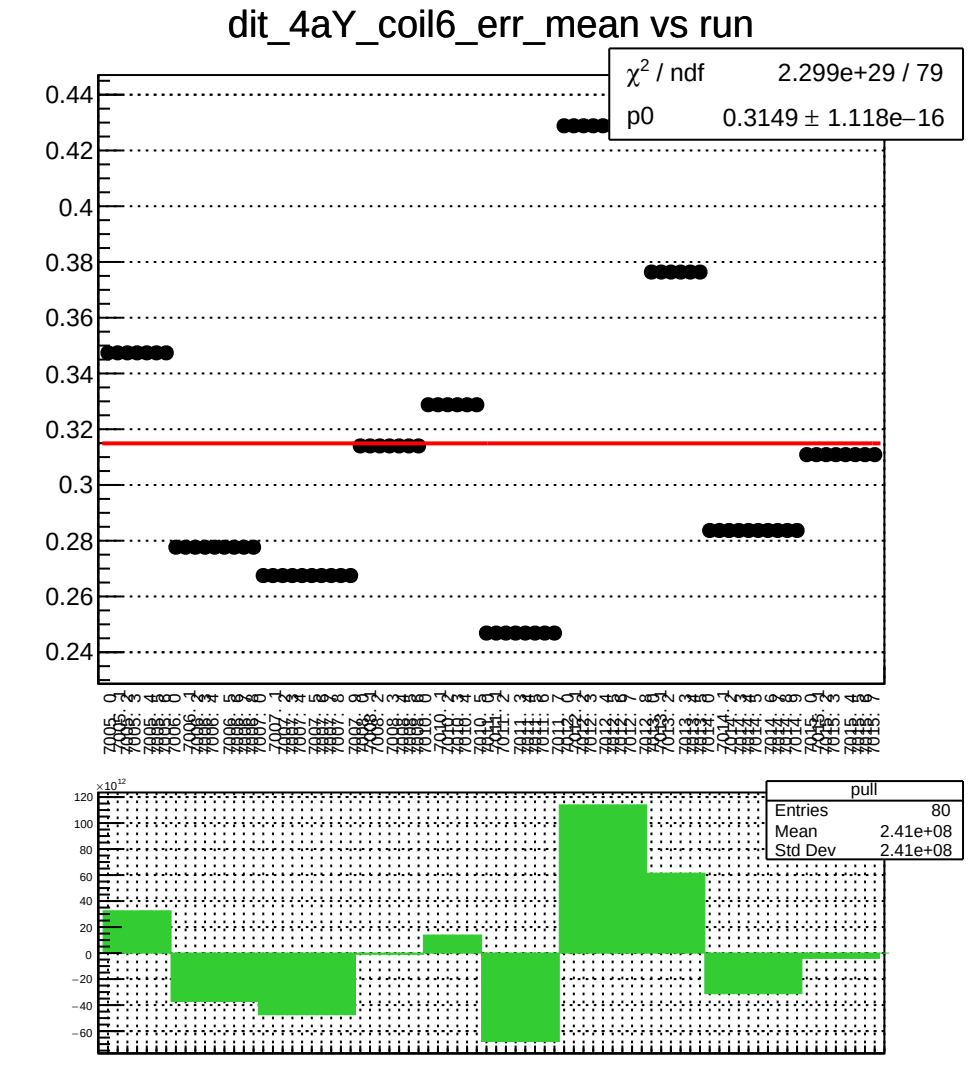

dit_11X12X_coil6_mean vs run
χ² / ndf 3.432e+31 / 79
p0 5.159 ± 1.118e−16
6
5.5
5
4.5
4
×10¹²
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 80
Mean −4.958e+08
Std Dev 4.958e+08
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

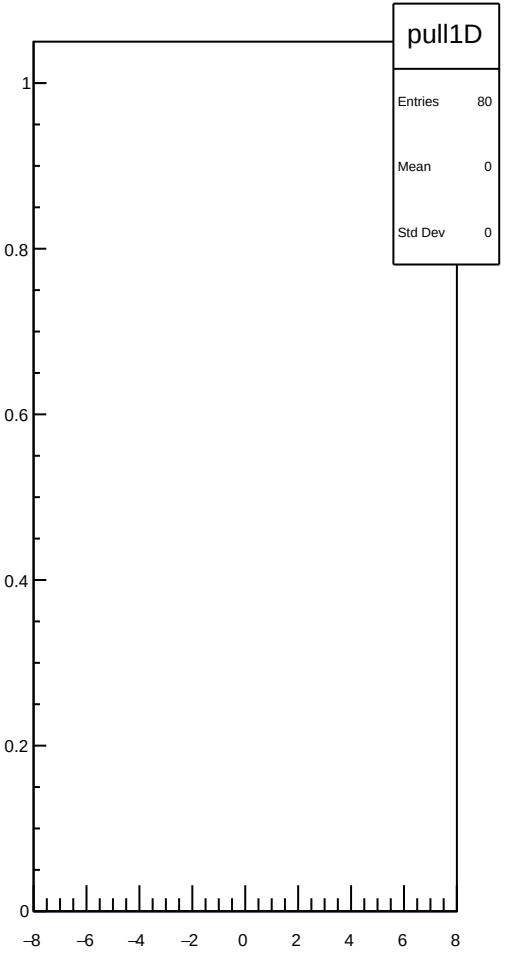

dit_11X12X_coil6_err_mean vs run
χ² / ndf 2.631e+31 / 79
p0 2.051± 1.118e−16
pull
Entries 80
Mean 1.623e+09
Std Dev 1.623e+09
pull1D
Entries 80
Mean 0
Std Dev 0

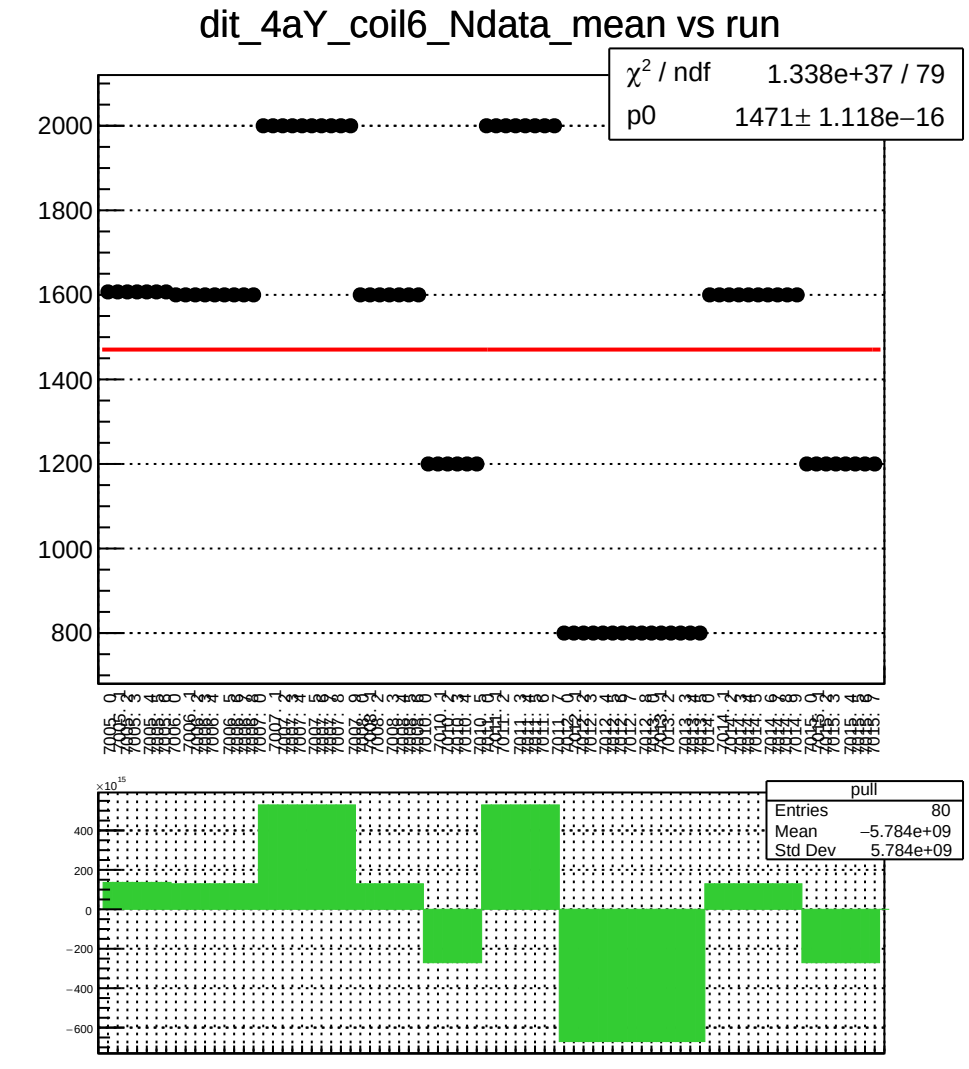

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

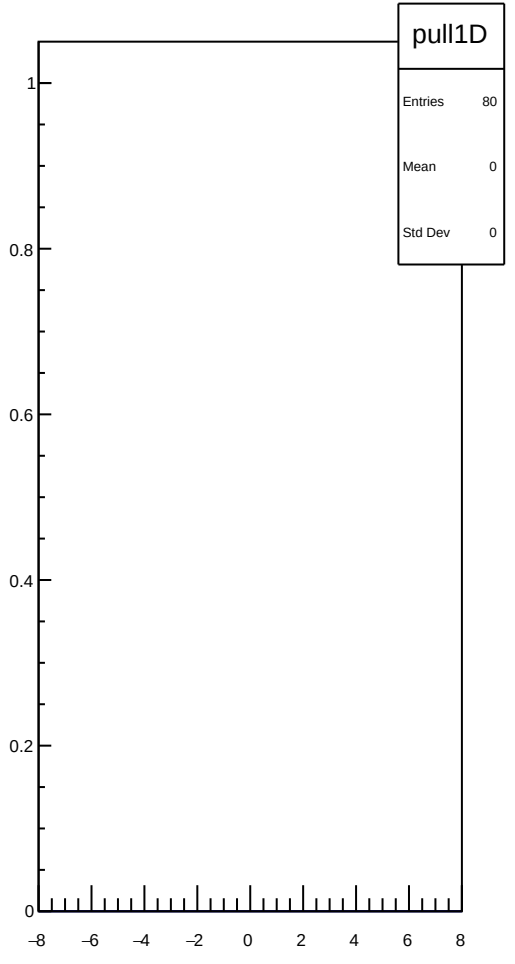

dit_4aY_coil6_mean vs run
χ² / ndf 9.97e+29 / 79
p0 57.74 ± 1.118e−16
57.95
57.9
57.85
57.8
57.75
57.7
57.65
57.6
pull
Entries 80
Mean −7.687e+08
Std Dev 7.687e+08
×10¹²
200
150
100
50
0
−50
−100
−150

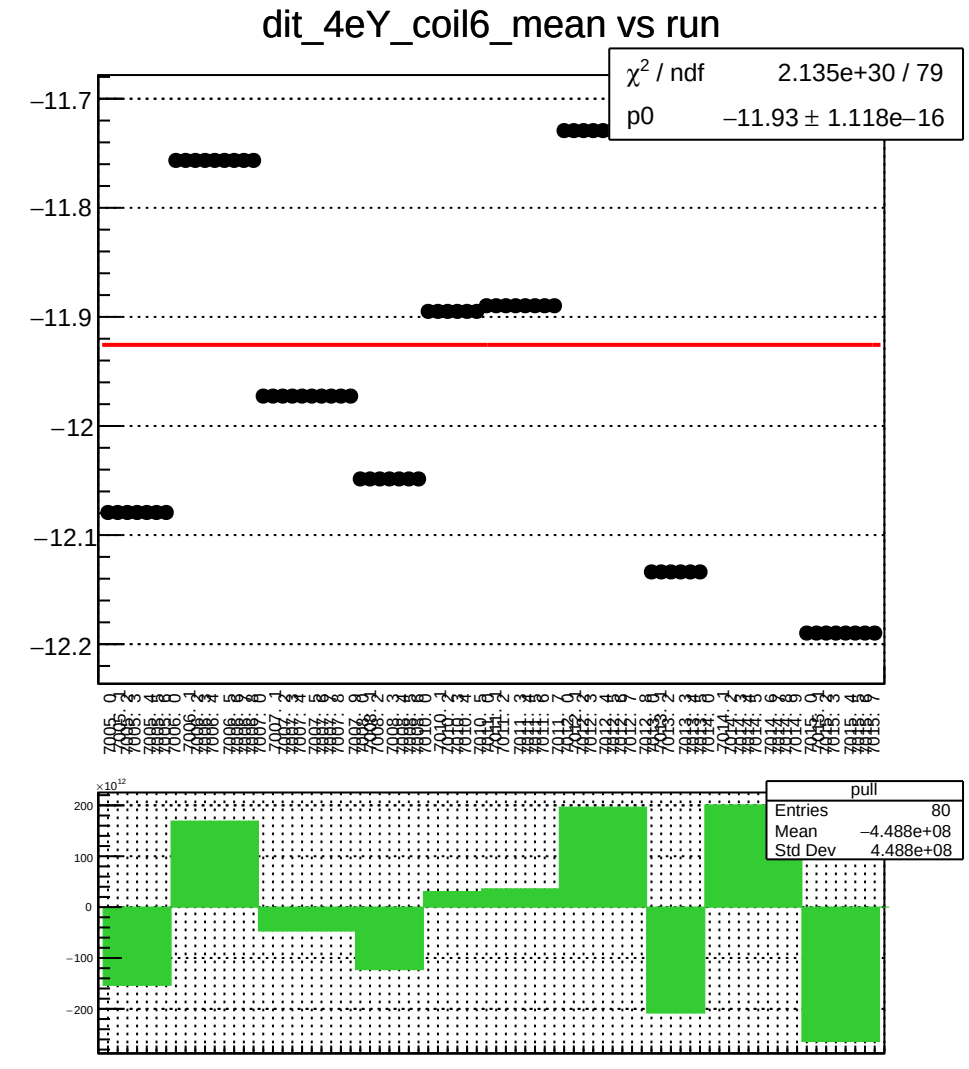

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

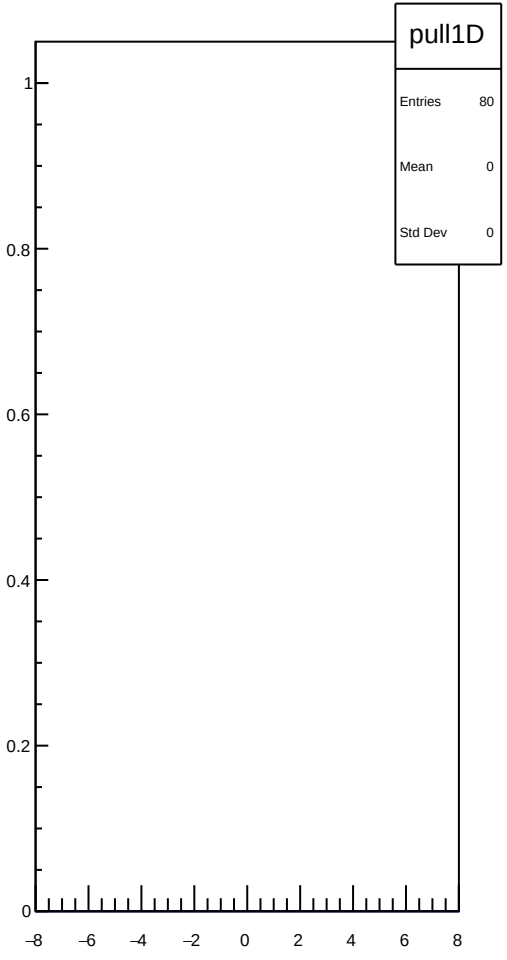

dit_4aY_coil6_err_mean vs run
χ² / ndf 2.299e+29 / 79
p0 0.3149 ± 1.118e−16
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 80
Mean 2.41e+08
Std Dev 2.41e+08
×10¹²
120
100
80
60
40
20
0
−20
−40
−60

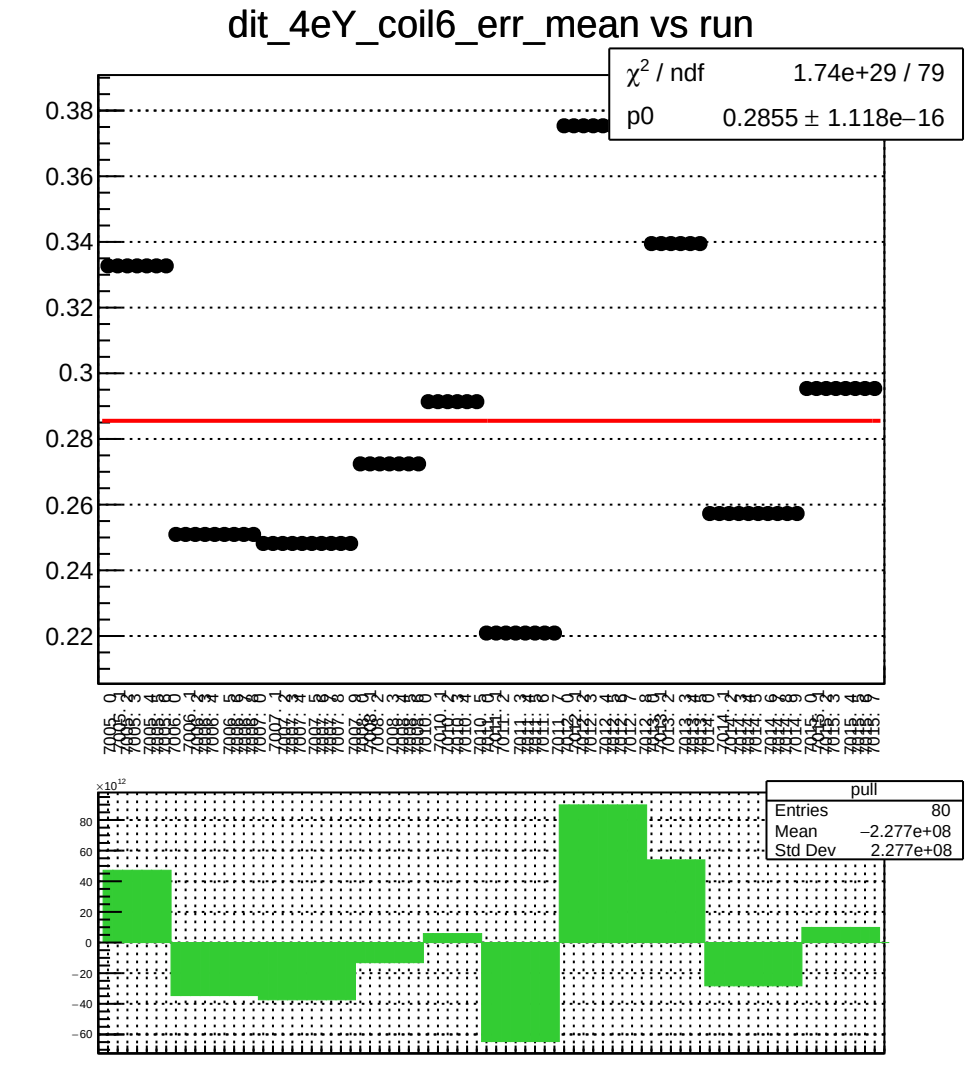

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

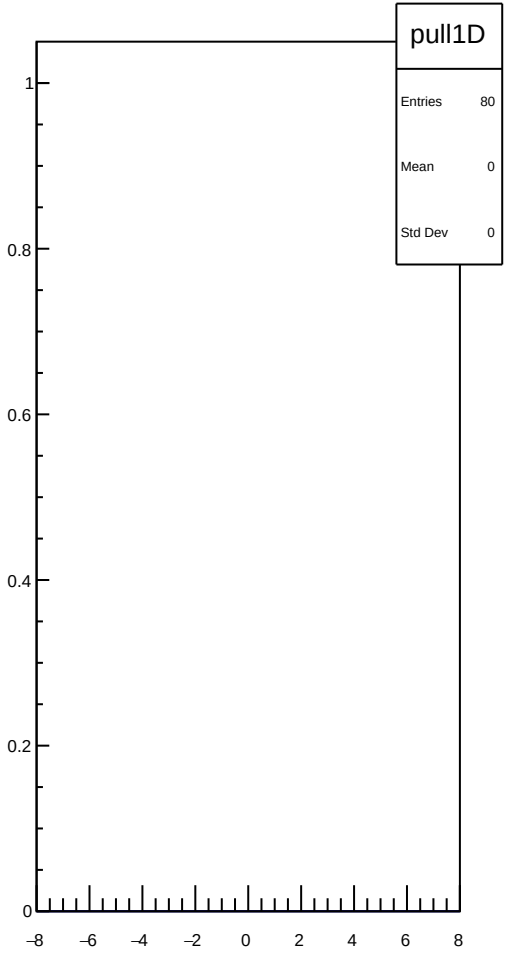

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

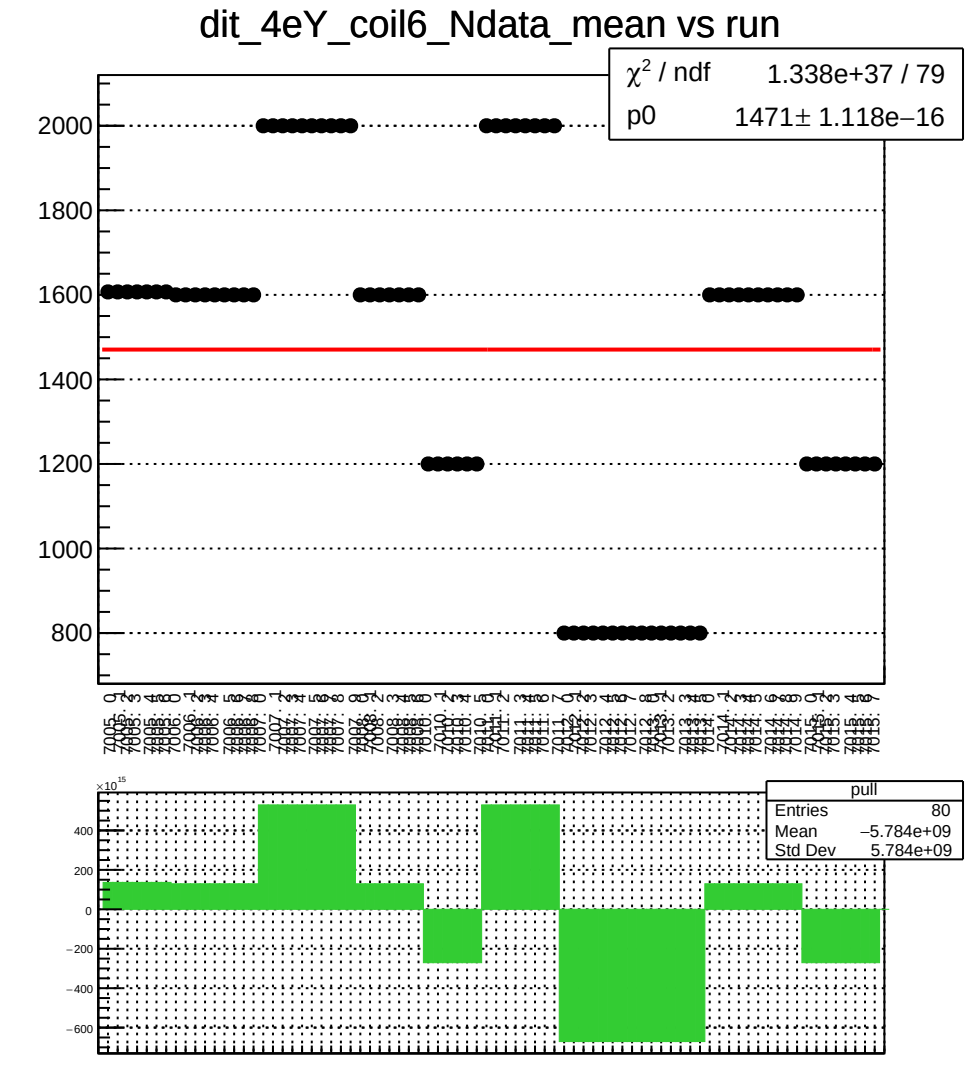

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

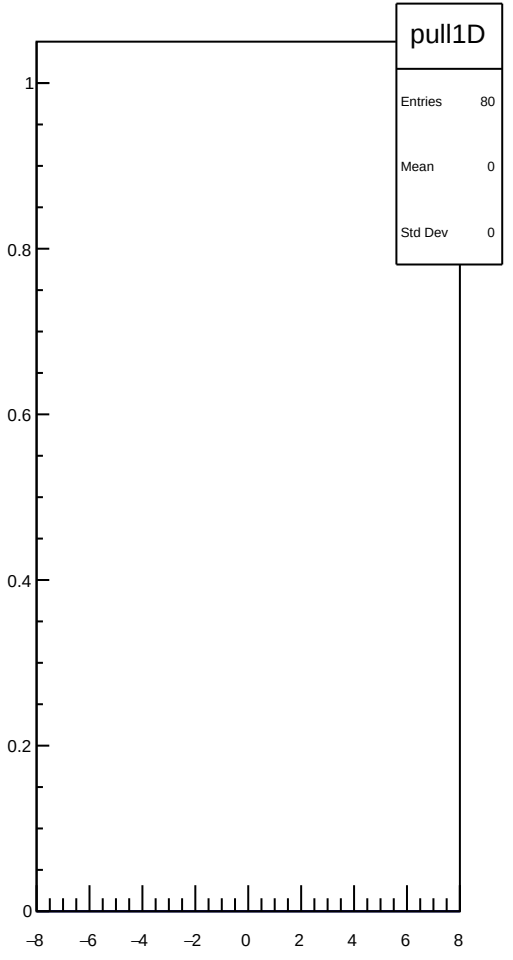

dit_4eY_coil6_mean vs run
χ² / ndf 2.135e+30 / 79
p0 −11.93 ± 1.118e−16
−11.7
−11.8
−11.9
−12
−12.1
−12.2
pull
Entries 80
Mean −4.488e+08
Std Dev 4.488e+08
×10¹²
200
100
0
−100
−200

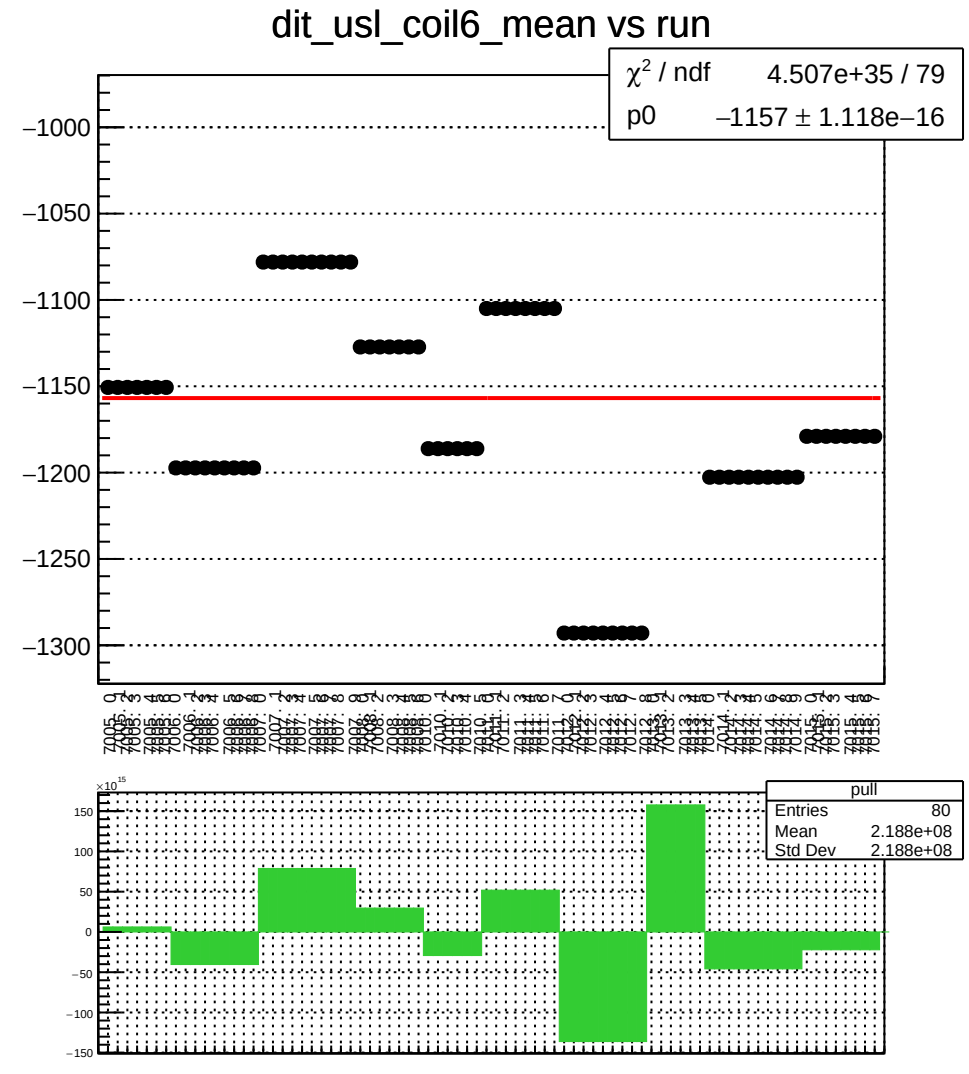

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

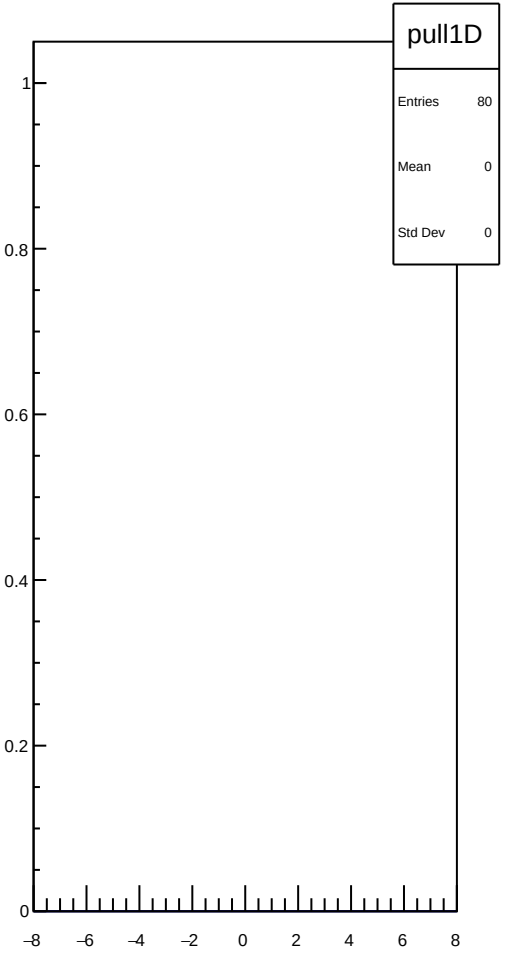

dit_4eY_coil6_err_mean vs run
χ² / ndf 1.74e+29 / 79
p0 0.2855 ± 1.118e−16
pull
Entries 80
Mean −2.277e+08
Std Dev 2.277e+08

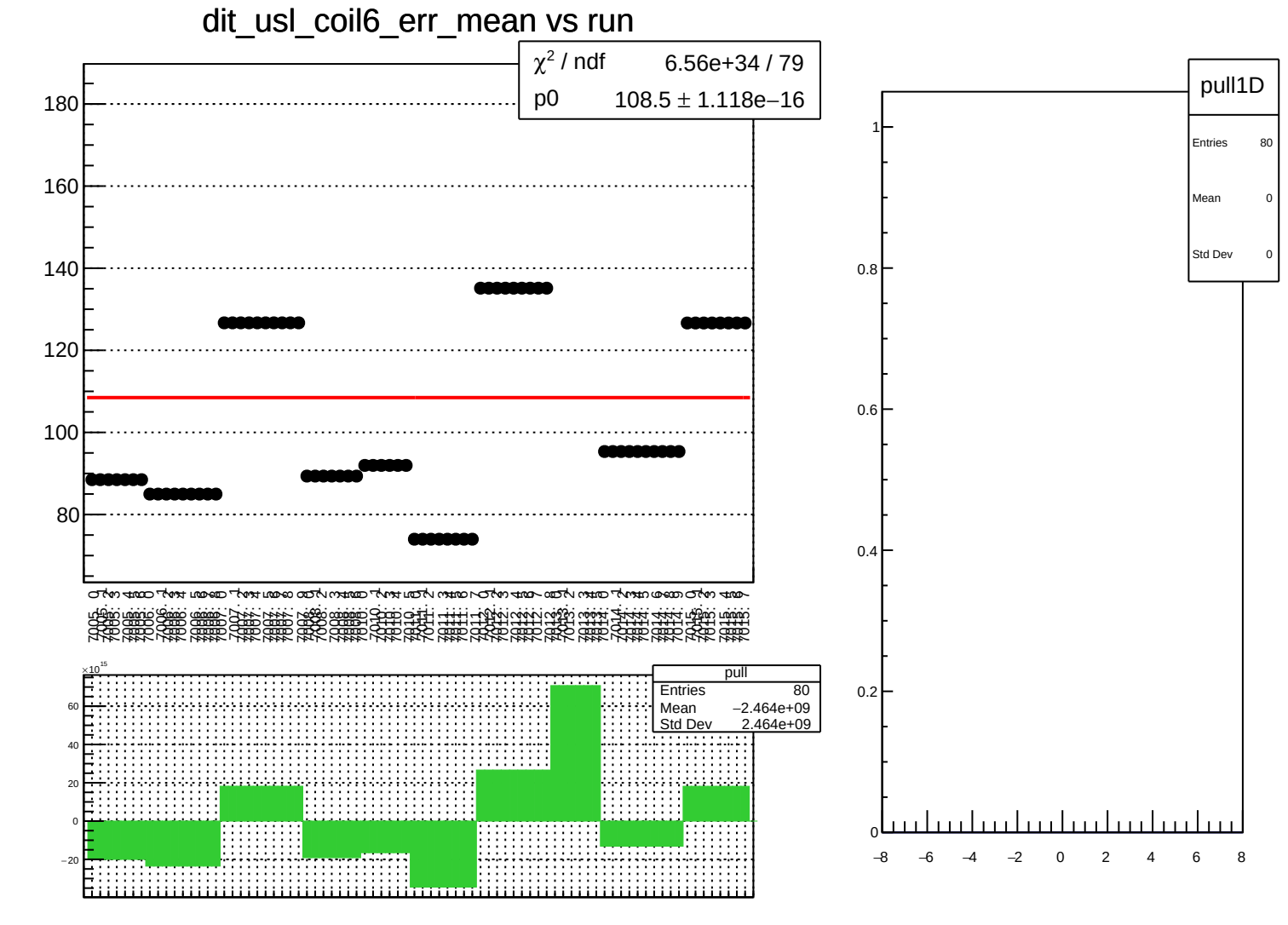

pull1D
Entries 80
Mean 0
Std Dev 0

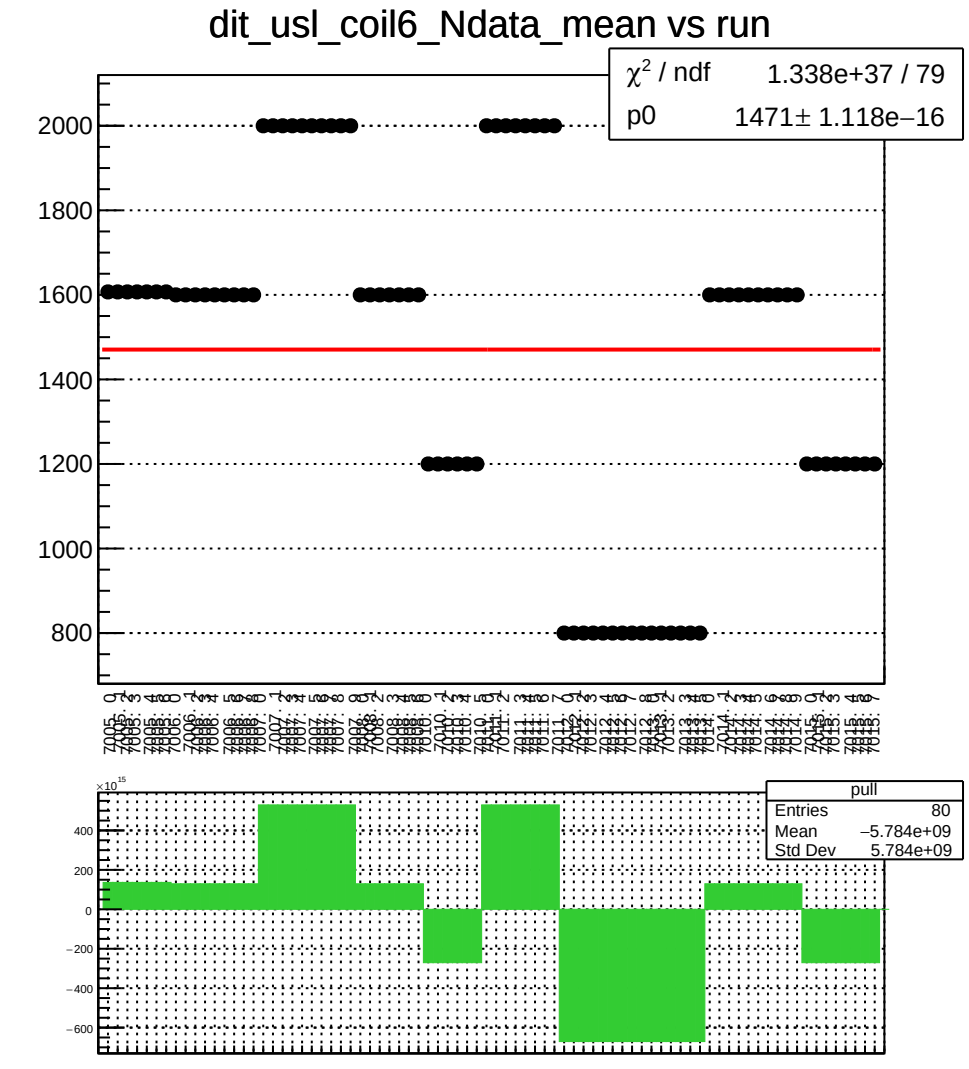

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

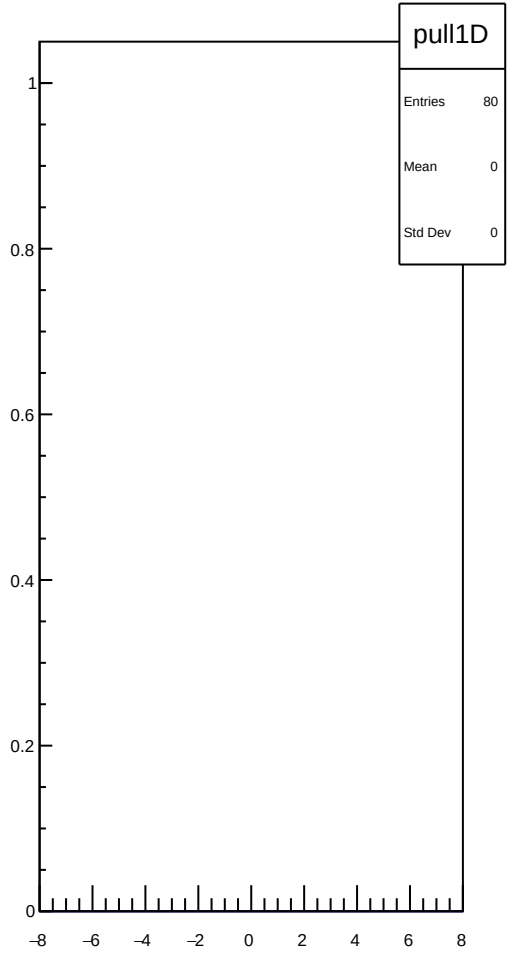

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

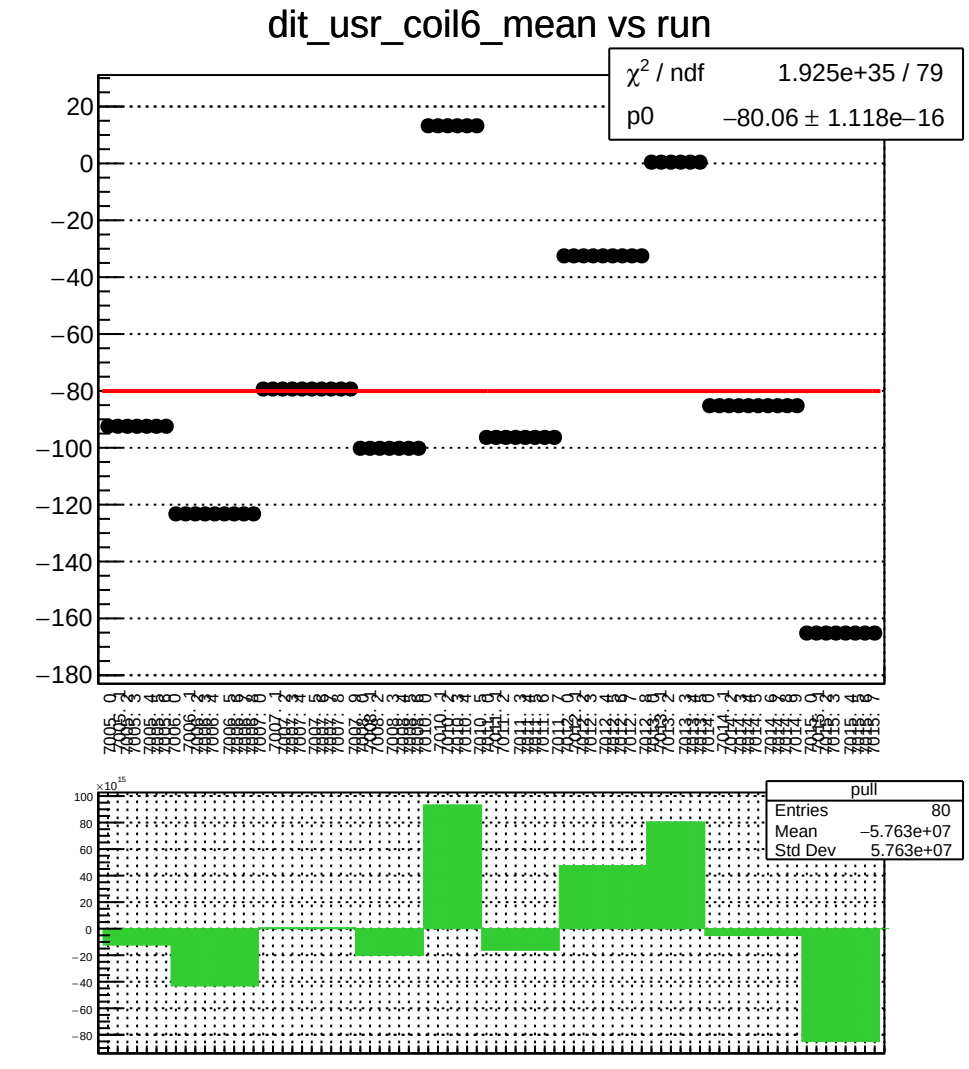

dit_usl_coil6_mean vs run
χ² / ndf 4.507e+35 / 79
p0 −1157 ± 1.118e−16
−1000
−1050
−1100
−1150
−1200
−1250
−1300
pull
Entries 80
Mean 2.188e+08
Std Dev 2.188e+08
×10¹⁵
150
100
50
0
−50
−100
−150

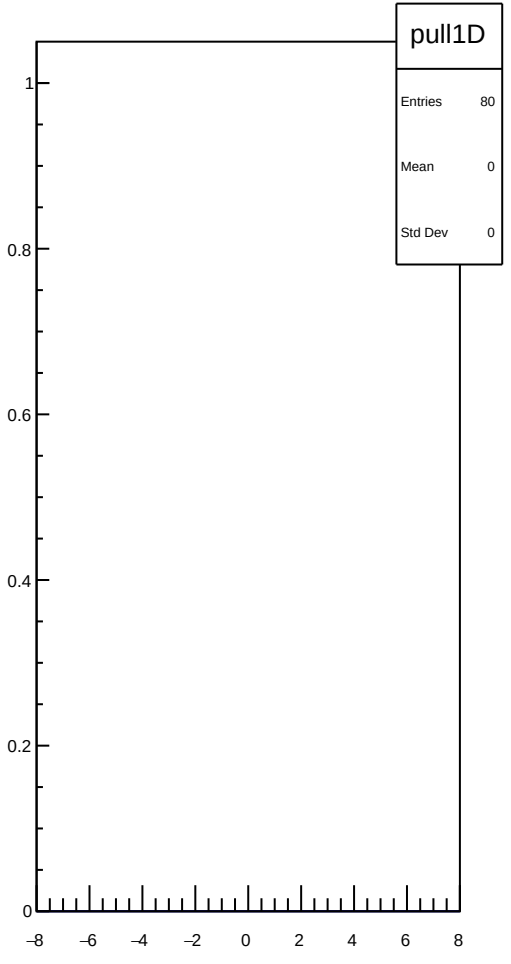

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

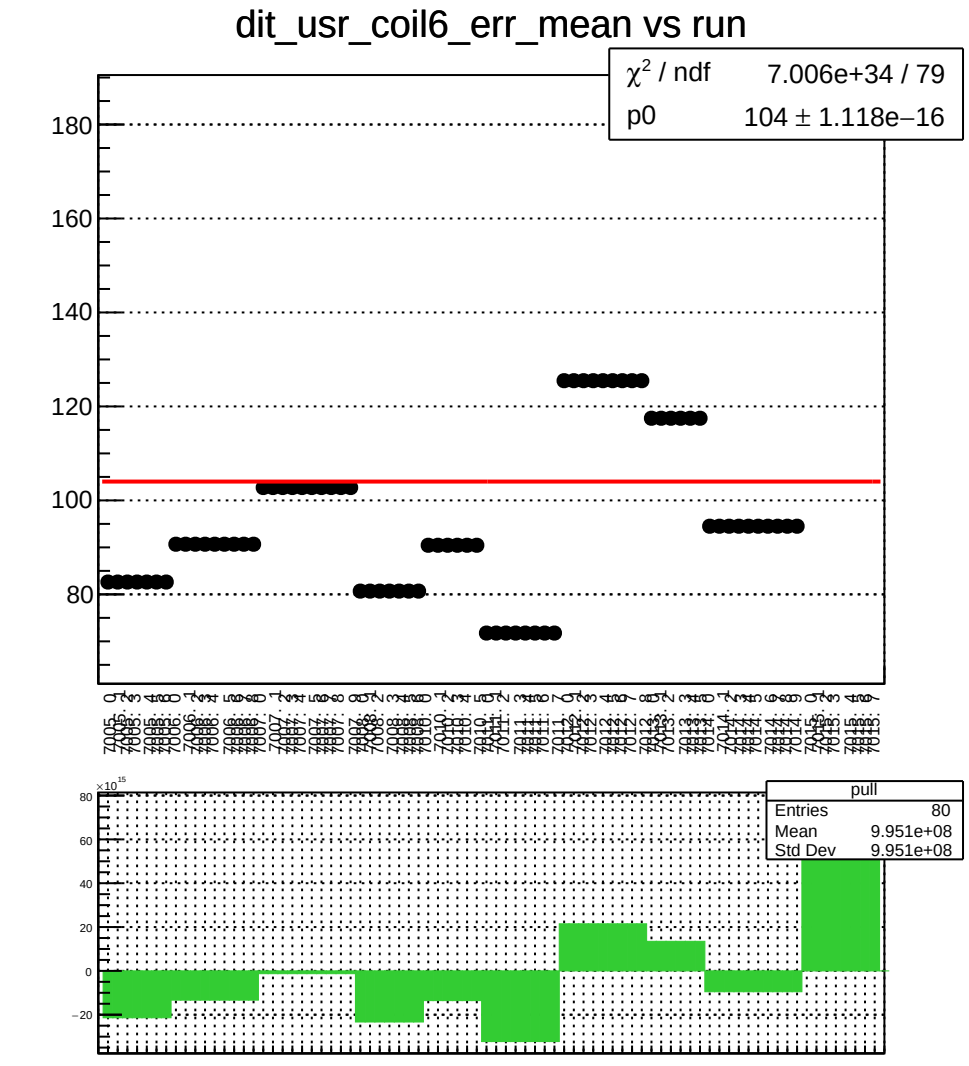

dit_usl_coil6_err_mean vs run
χ² / ndf 6.56e+34 / 79
p0 108.5 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean −2.464e+09
Std Dev 2.464e+09
×10¹⁵
60
40
20
0
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

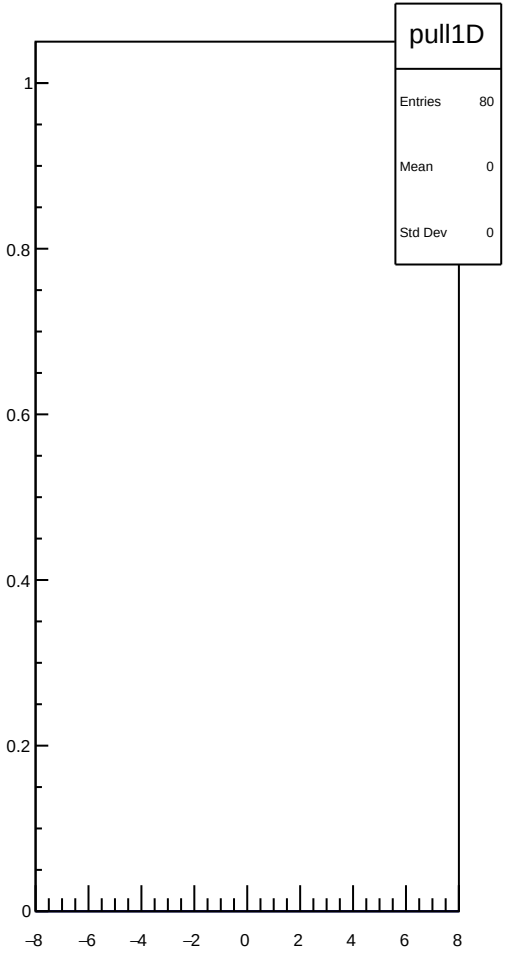

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

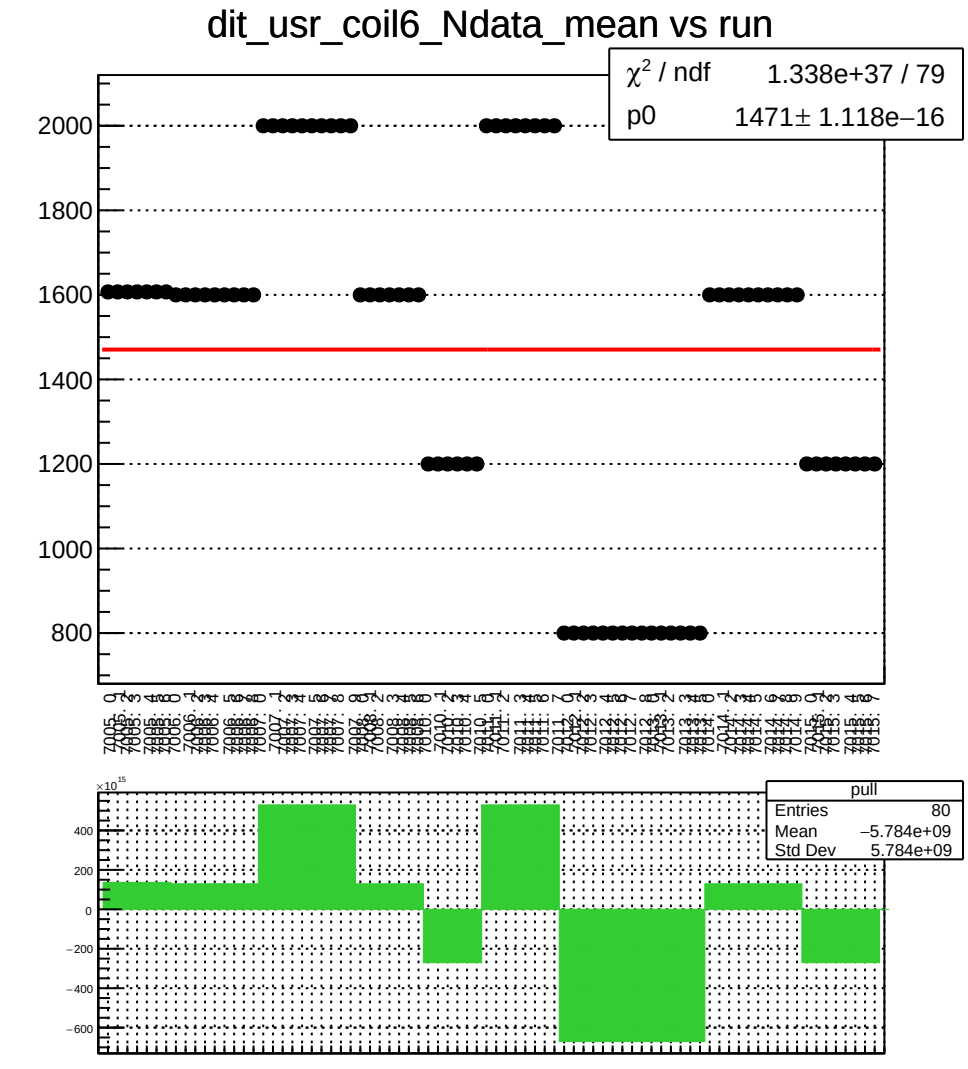

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

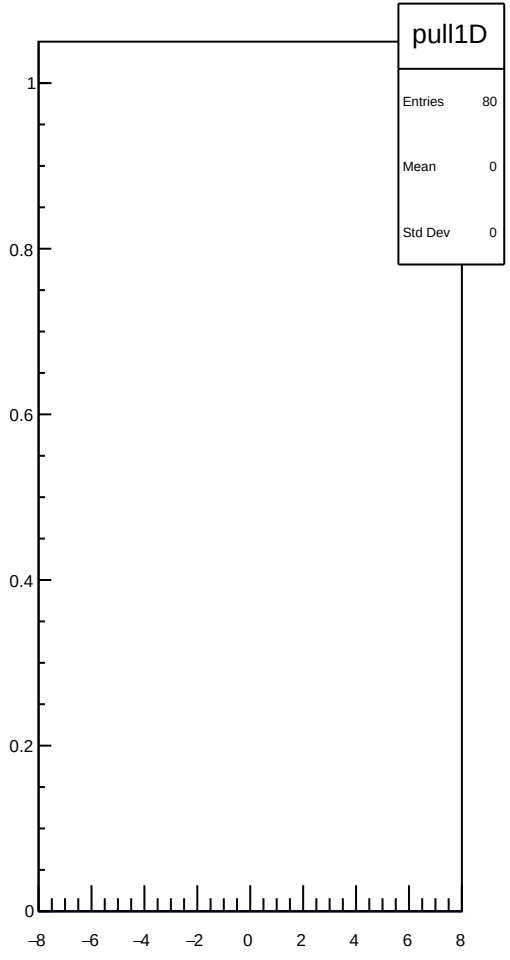

dit_usr_coil6_mean vs run
χ² / ndf 1.925e+35 / 79
p0 −80.06 ± 1.118e−16
pull
Entries 80
Mean −5.763e+07
Std Dev 5.763e+07

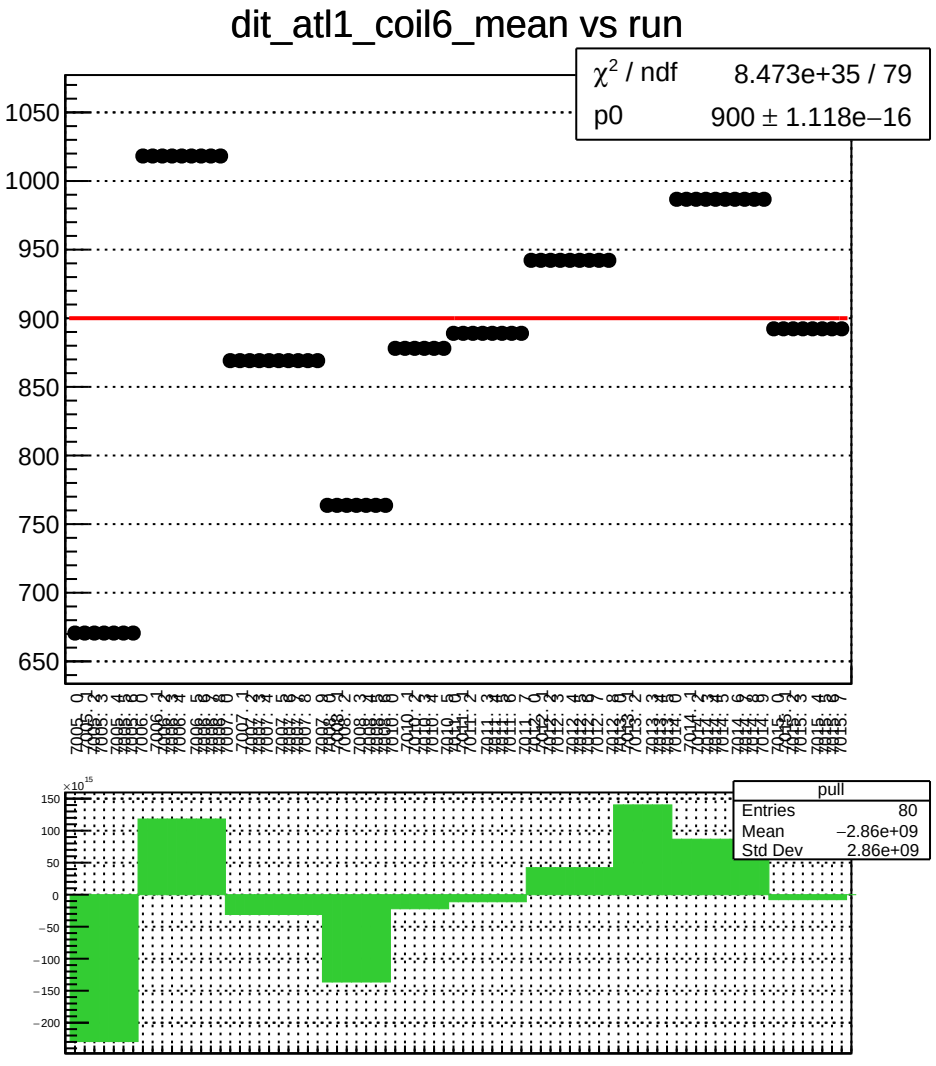

pull1D
Entries 80
Mean 0
Std Dev 0

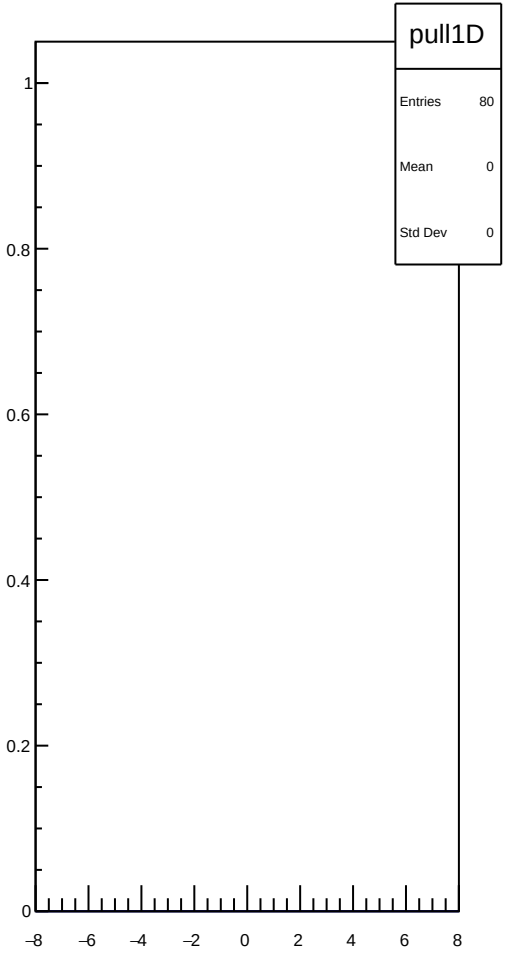

dit_usr_coil6_err_mean vs run
χ² / ndf 7.006e+34 / 79
p0 104 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean 9.951e+08
Std Dev 9.951e+08
×10¹⁵
80
60
40
20
0
−20

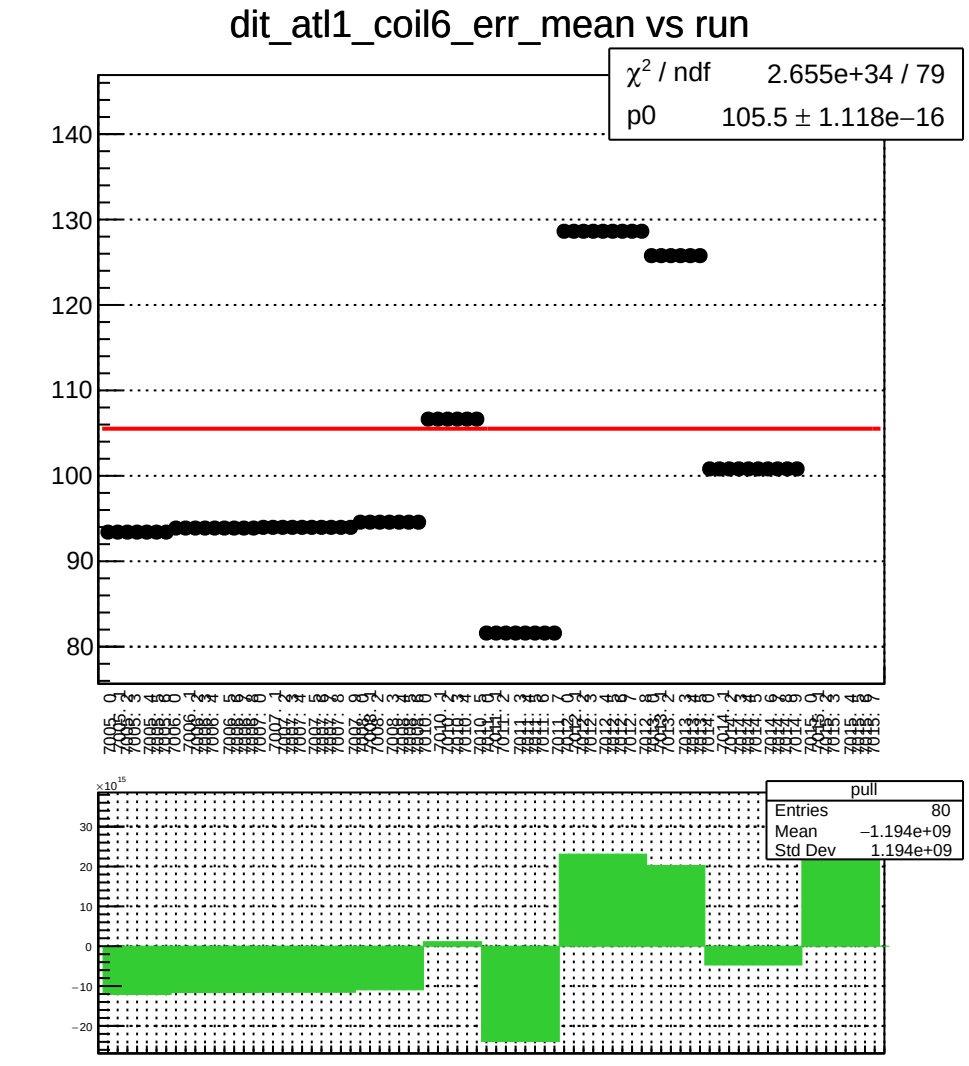

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

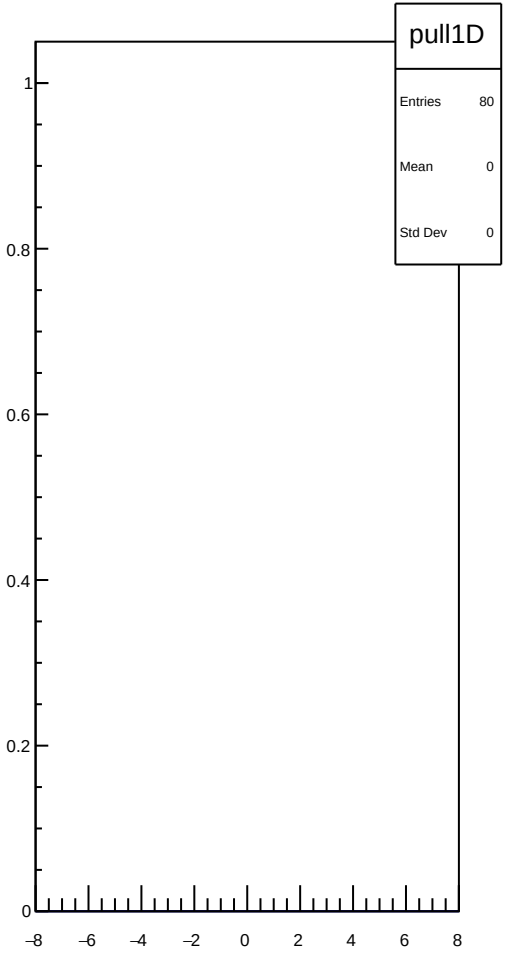

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

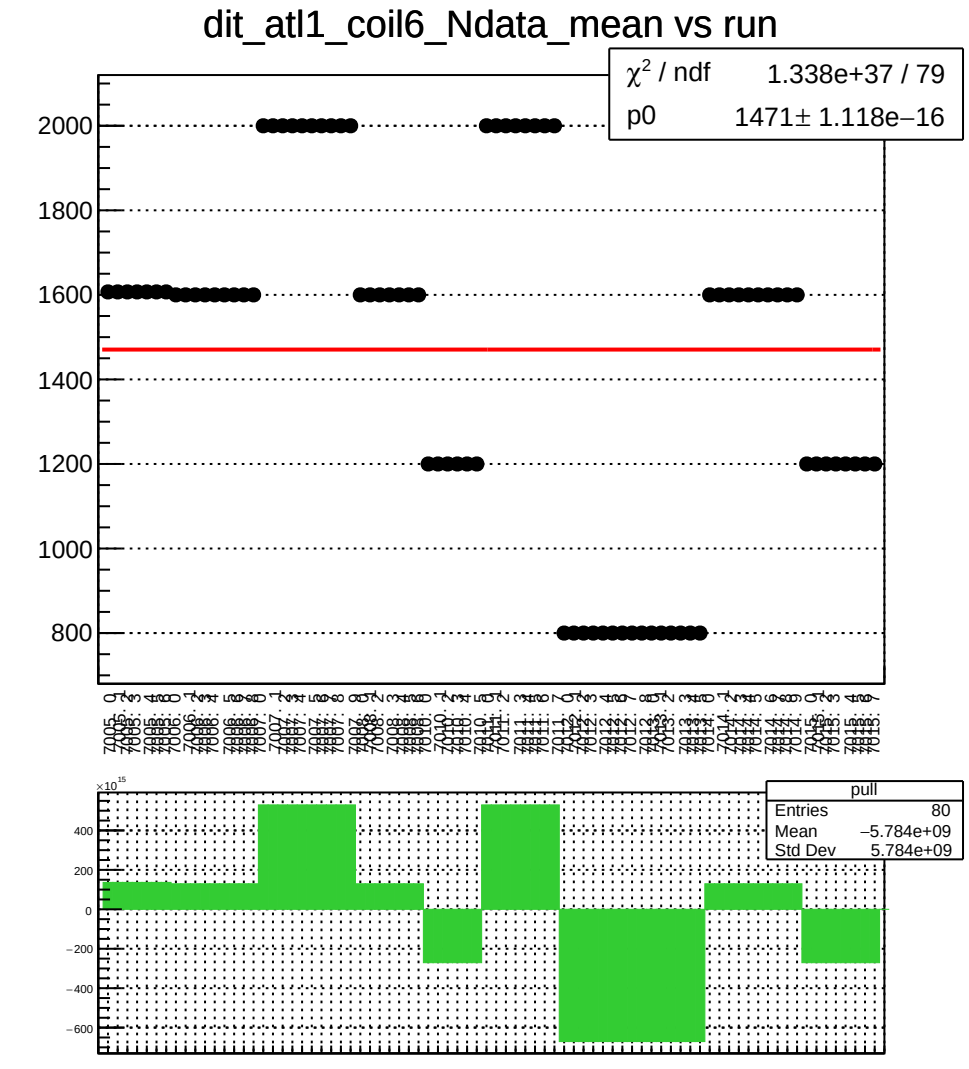

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

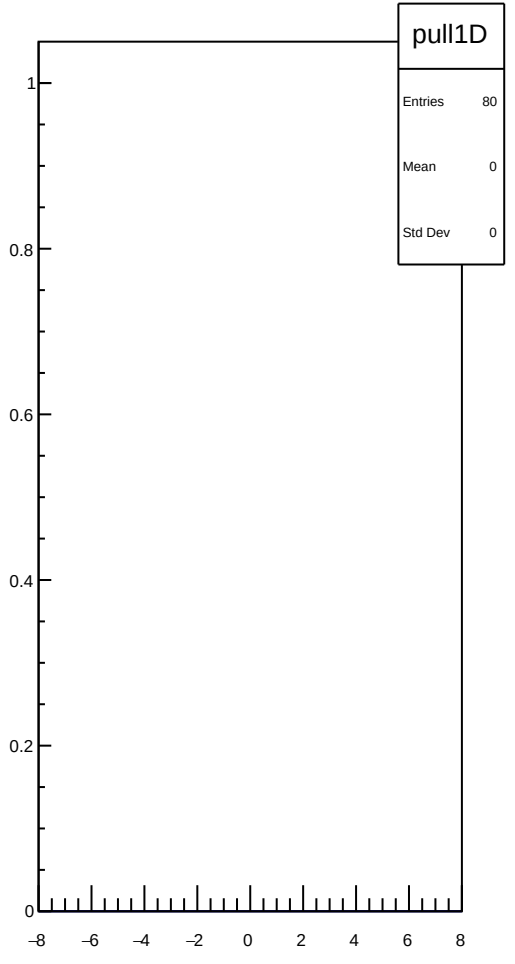

dit_atl1_coil6_mean vs run
χ² / ndf 8.473e+35 / 79
p0 900 ± 1.118e−16
1050
1000
950
900
850
800
750
700
650
×10¹⁵
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −2.86e+09
Std Dev 2.86e+09

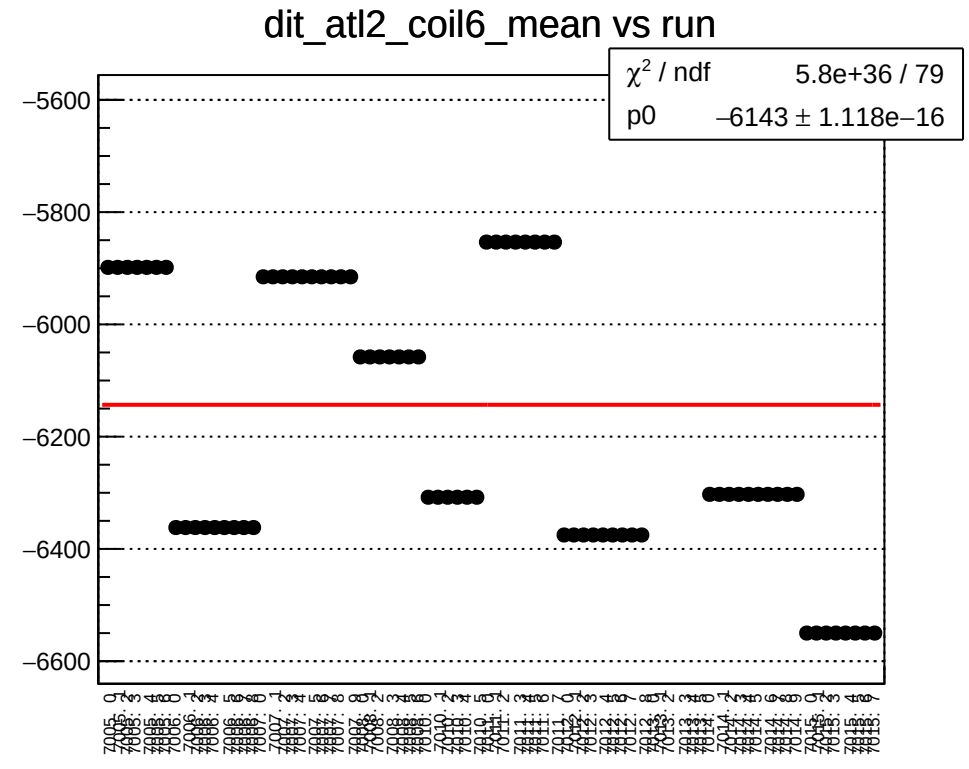

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

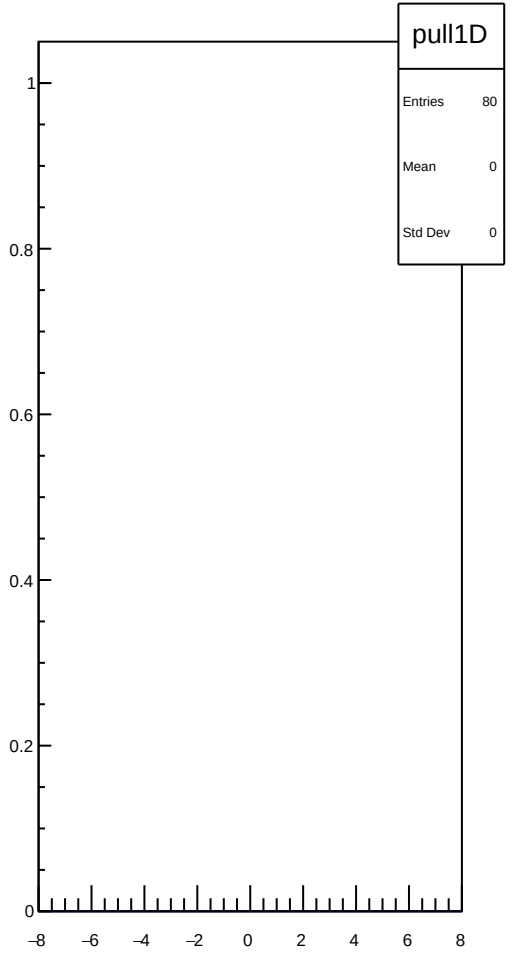

dit_atl1_coil6_err_mean vs run
χ² / ndf 2.655e+34 / 79
p0 105.5 ± 1.118e−16
140
130
120
110
100
90
80
pull
Entries 80
Mean −1.194e+09
Std Dev 1.194e+09
×10¹⁵
30
20
10
0
−10
−20

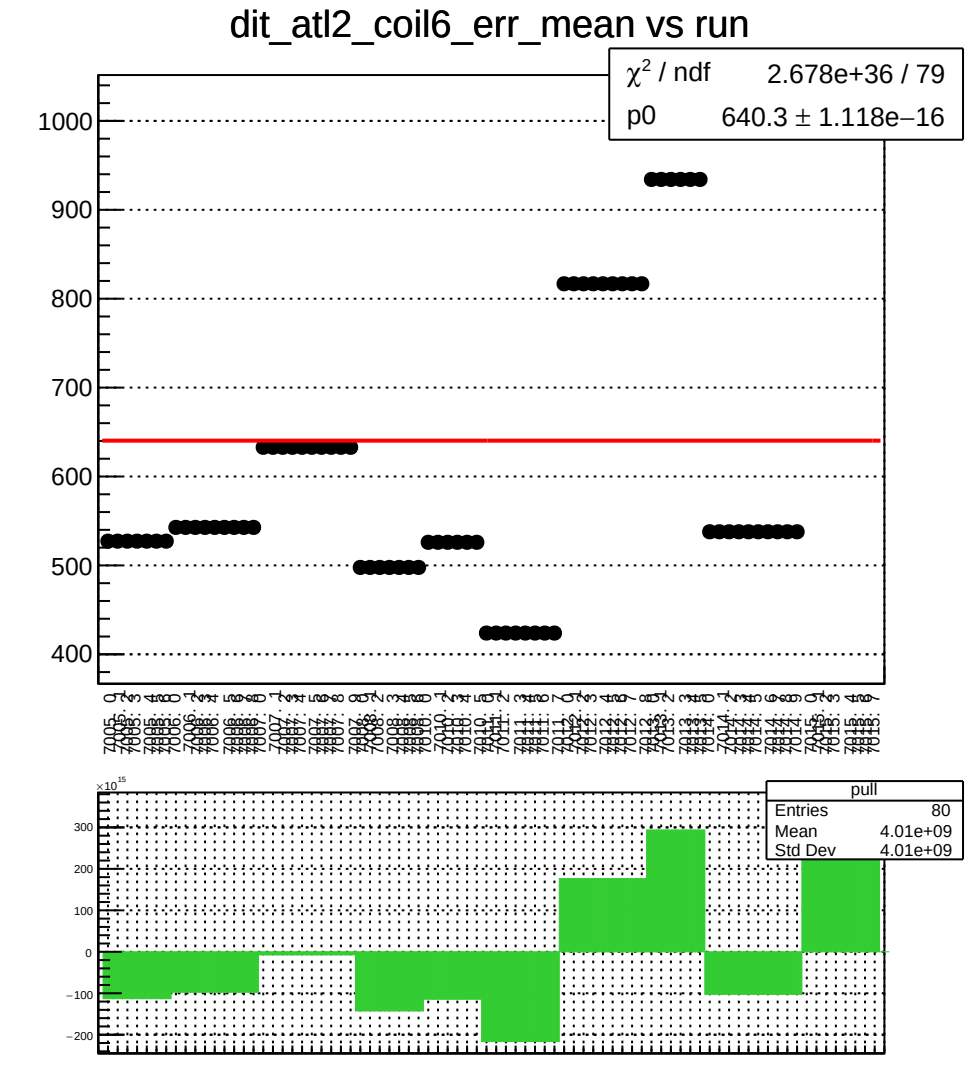

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

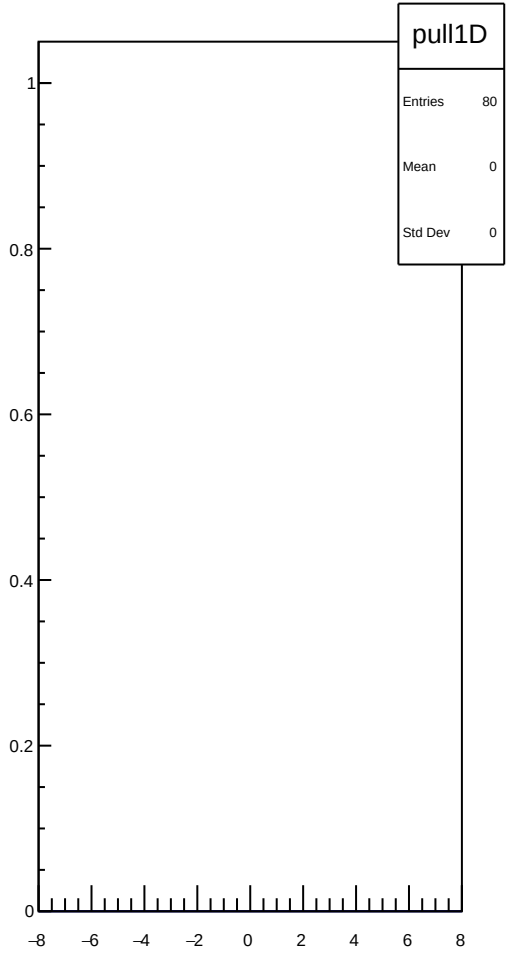

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

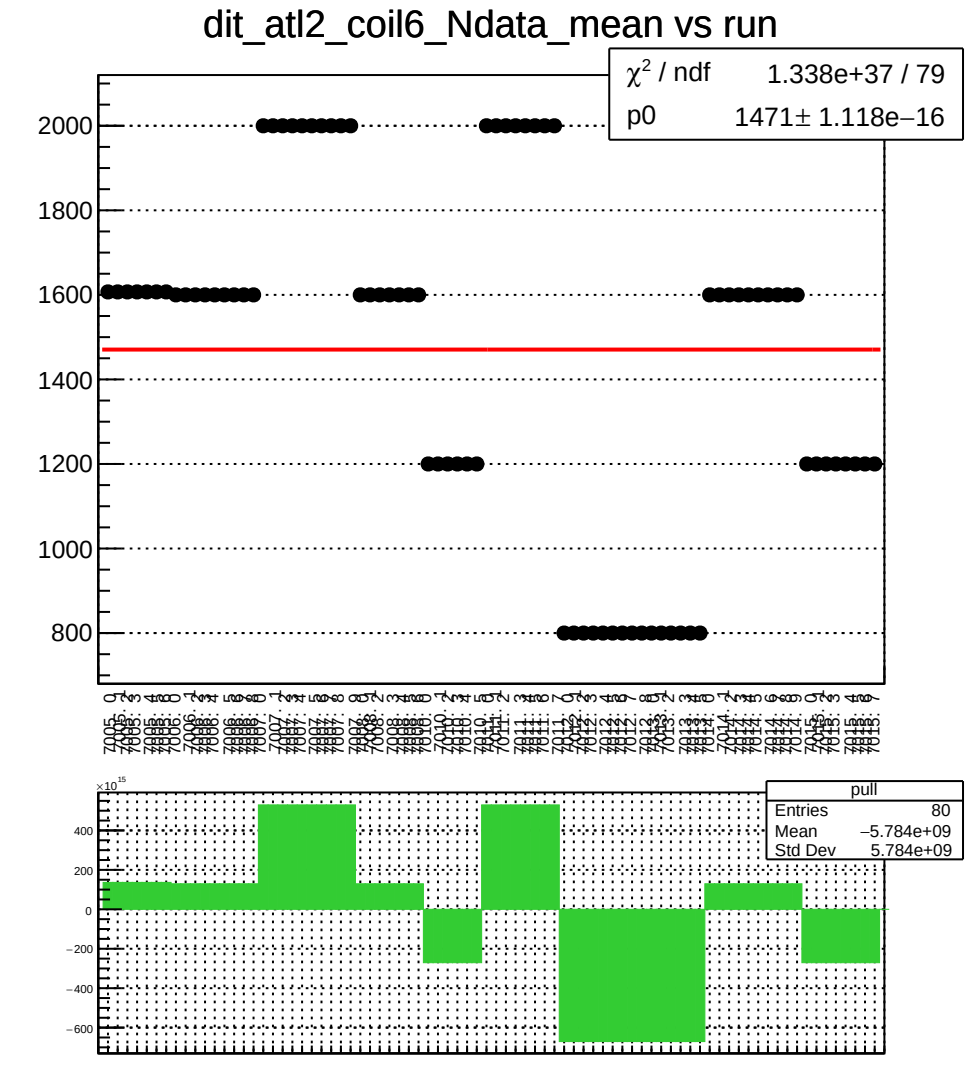

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

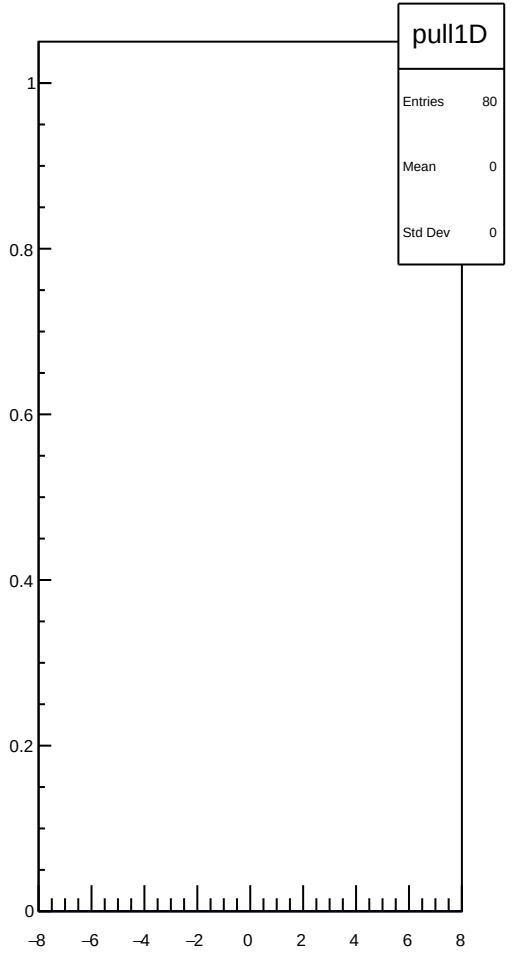

dit_atl2_coil6_mean vs run
χ² / ndf 5.8e+36 / 79
p0 −6143 ± 1.118e−16
−5600
−5800
−6000
−6200
−6400
−6600
pull
Entries 80
Mean −1.828e+09
Std Dev 1.828e+09
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
−400

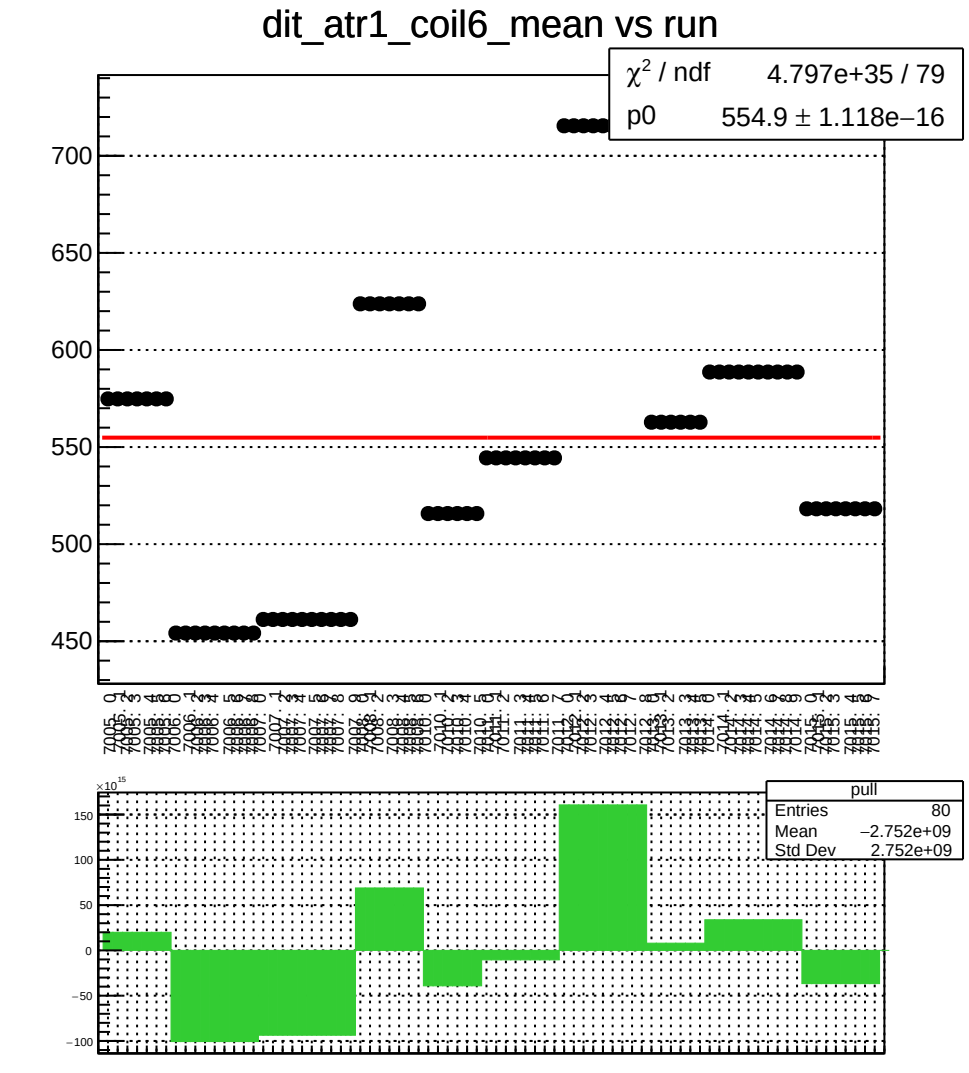

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

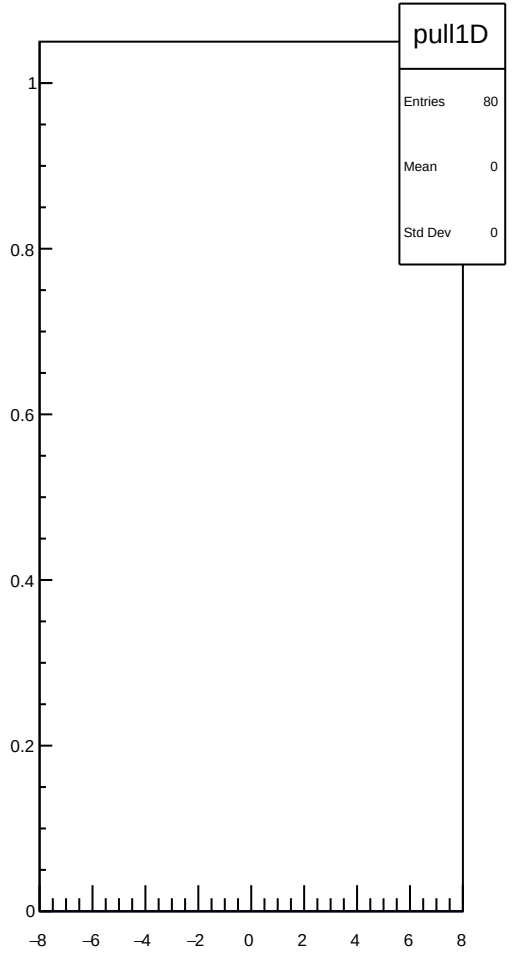

dit_atl2_coil6_err_mean vs run
χ² / ndf 2.678e+36 / 79
p0 640.3 ± 1.118e−16
pull
Entries 80
Mean 4.01e+09
Std Dev 4.01e+09

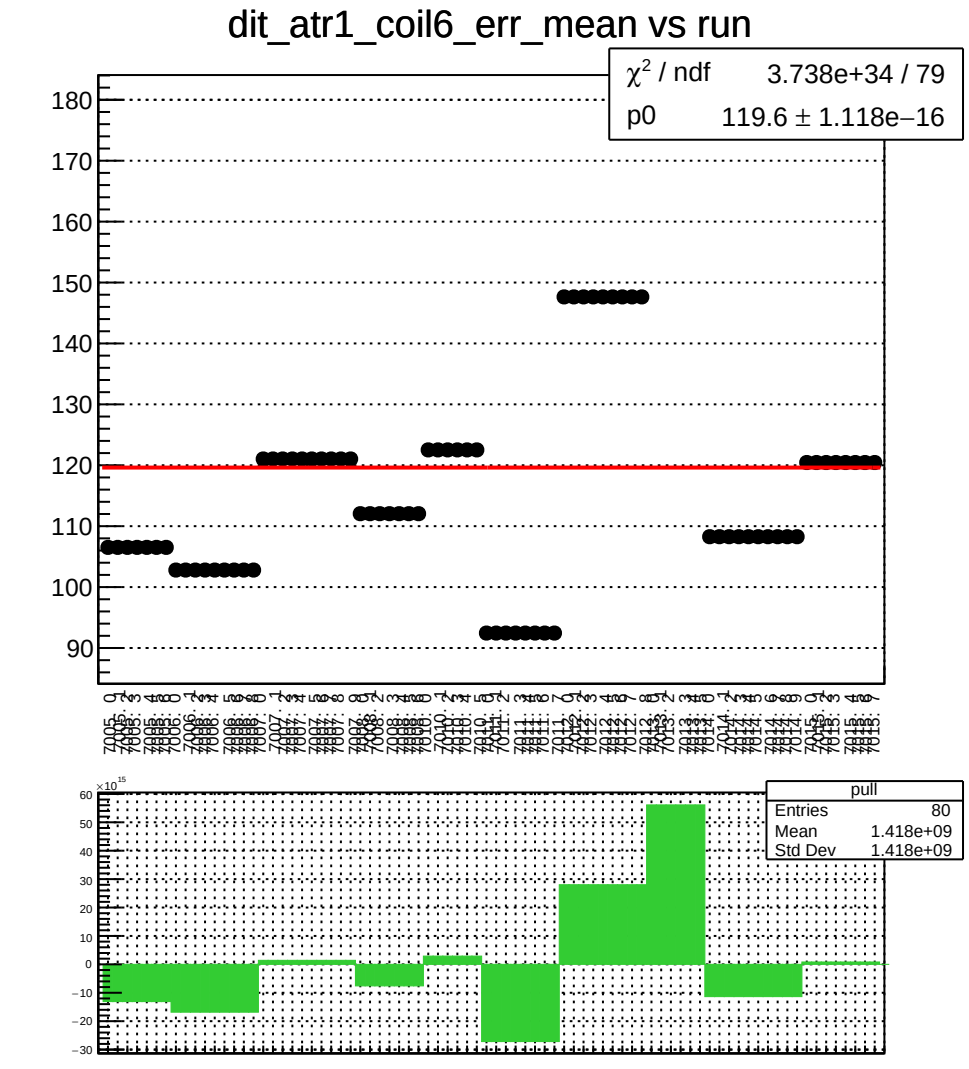

pull1D
Entries 80
Mean 0
Std Dev 0

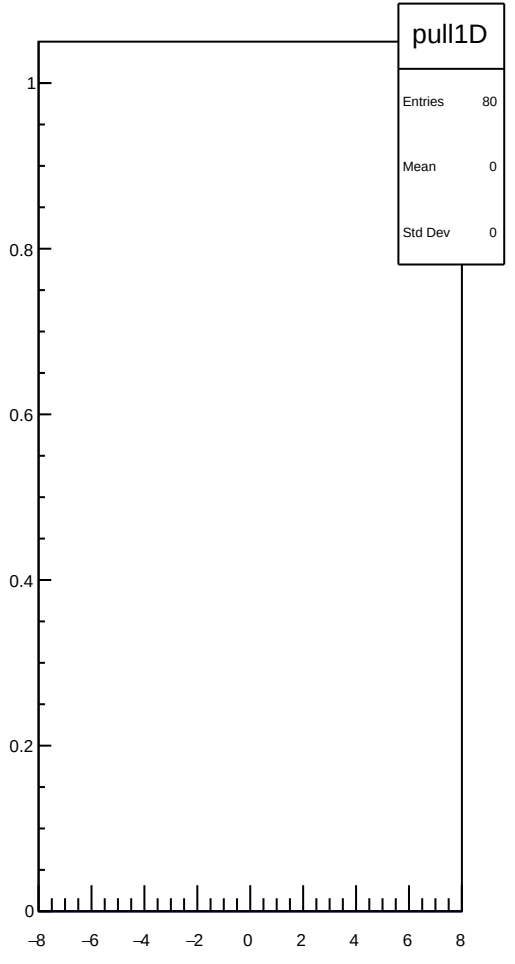

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

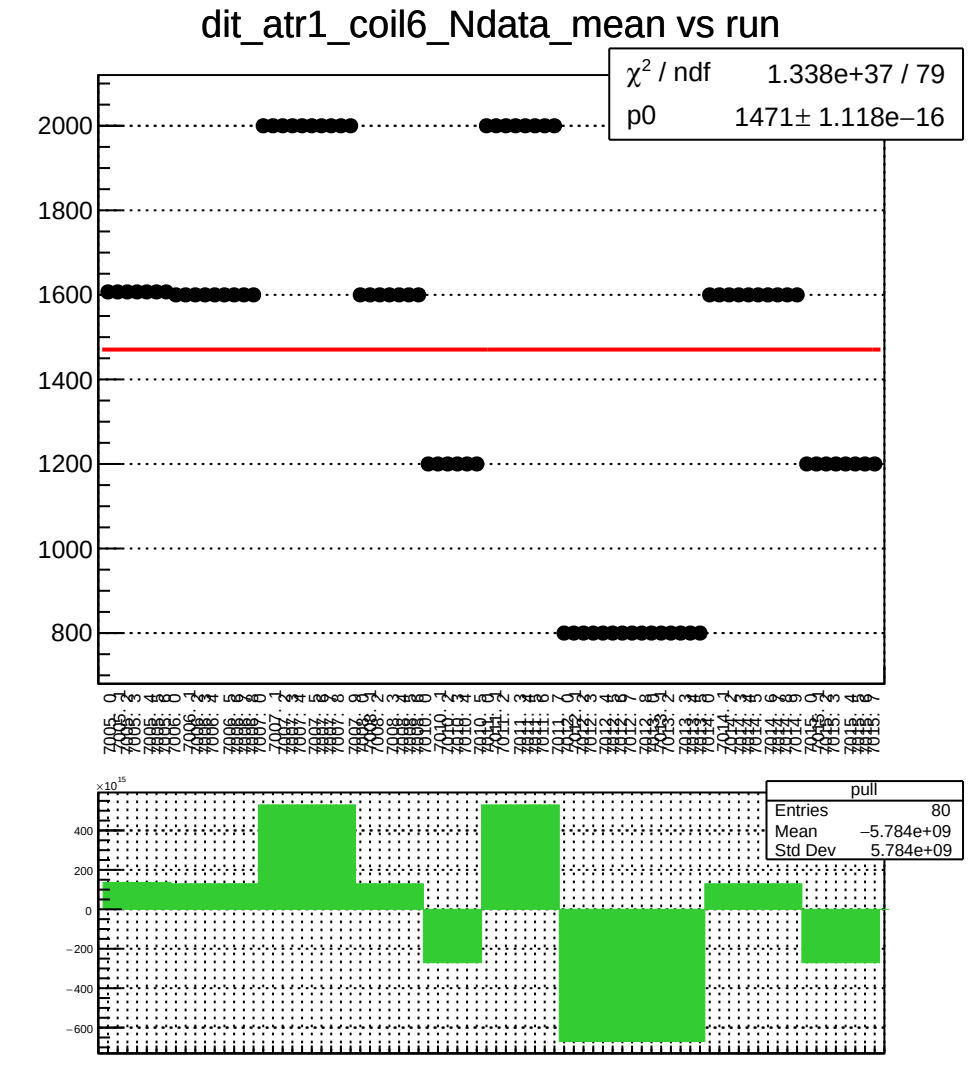

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

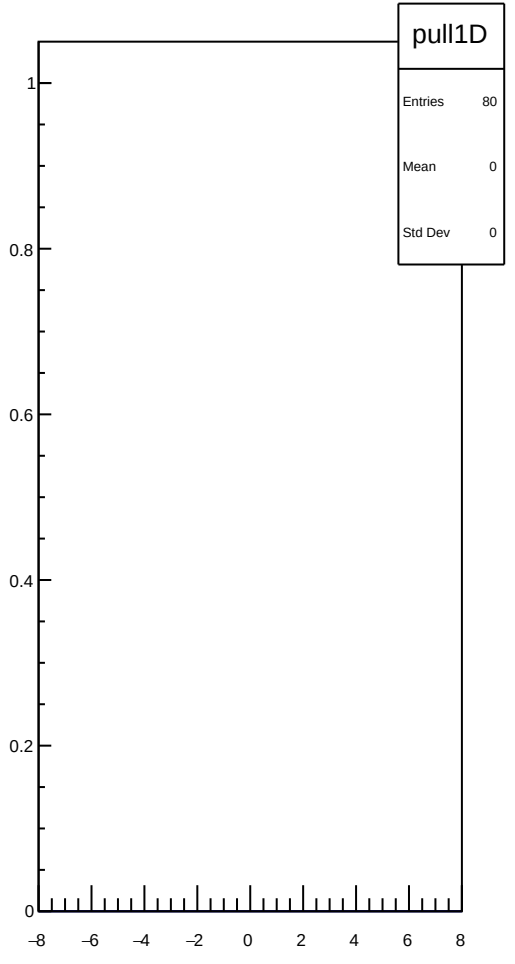

dit_atr1_coil6_mean vs run
χ² / ndf 4.797e+35 / 79
p0 554.9 ± 1.118e−16
700
650
600
550
500
450
pull
Entries 80
Mean −2.752e+09
Std Dev 2.752e+09
150
100
50
0
−50
−100

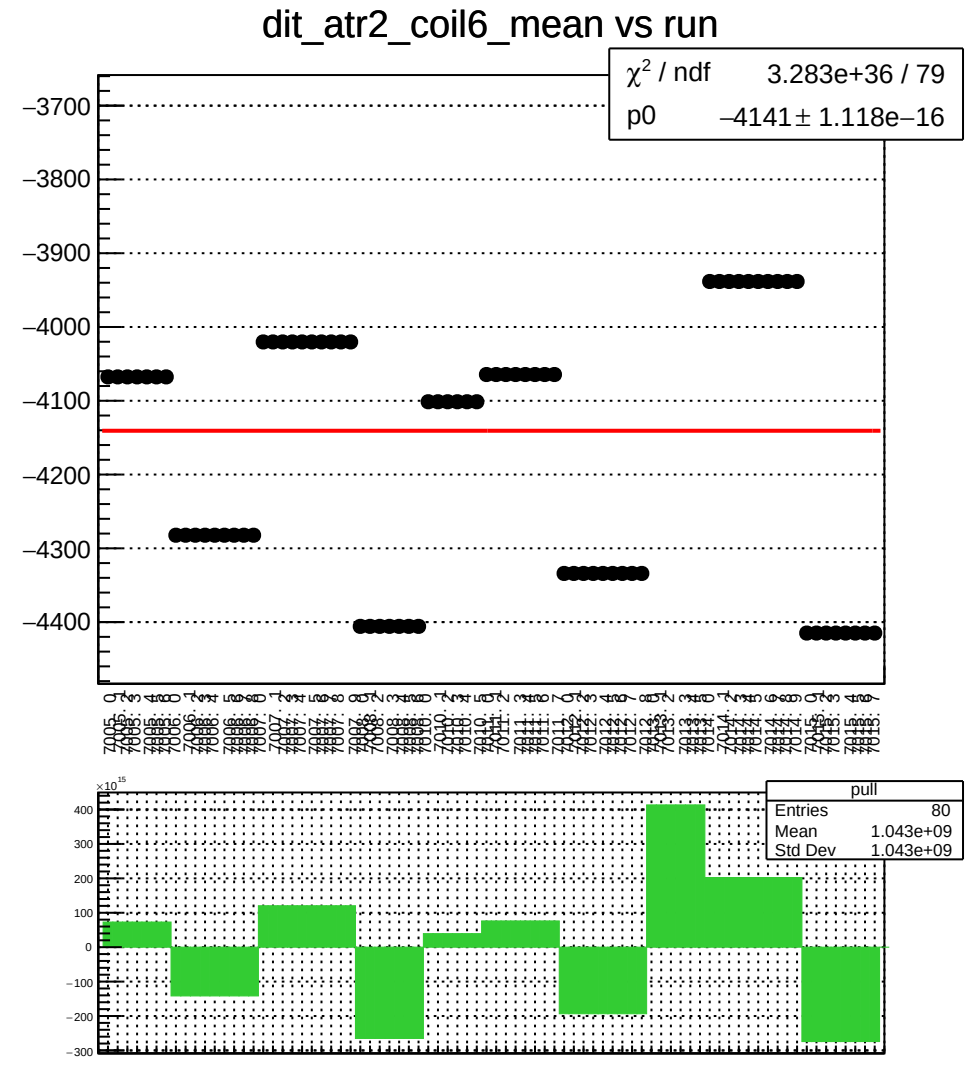

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

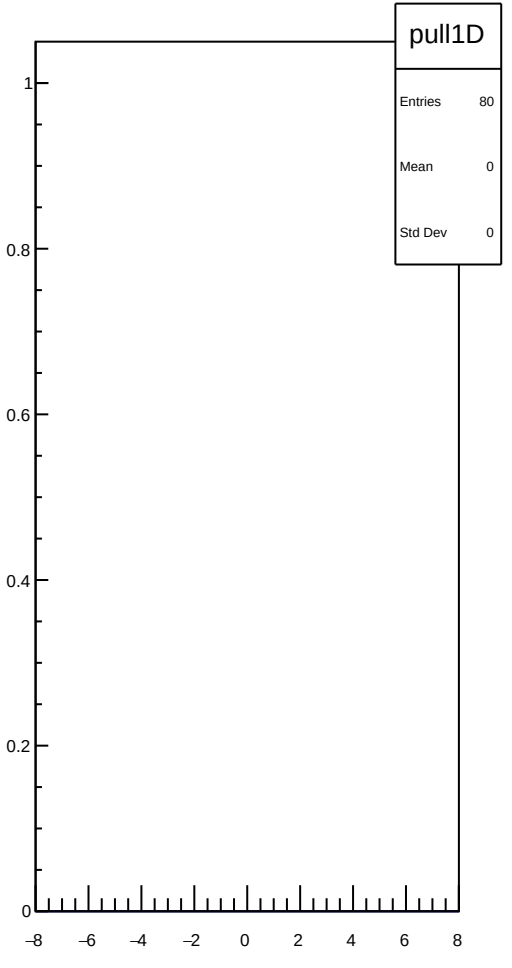

dit_atr1_coil6_err_mean vs run
χ² / ndf 3.738e+34 / 79
p0 119.6 ± 1.118e−16
pull
Entries 80
Mean 1.418e+09
Std Dev 1.418e+09

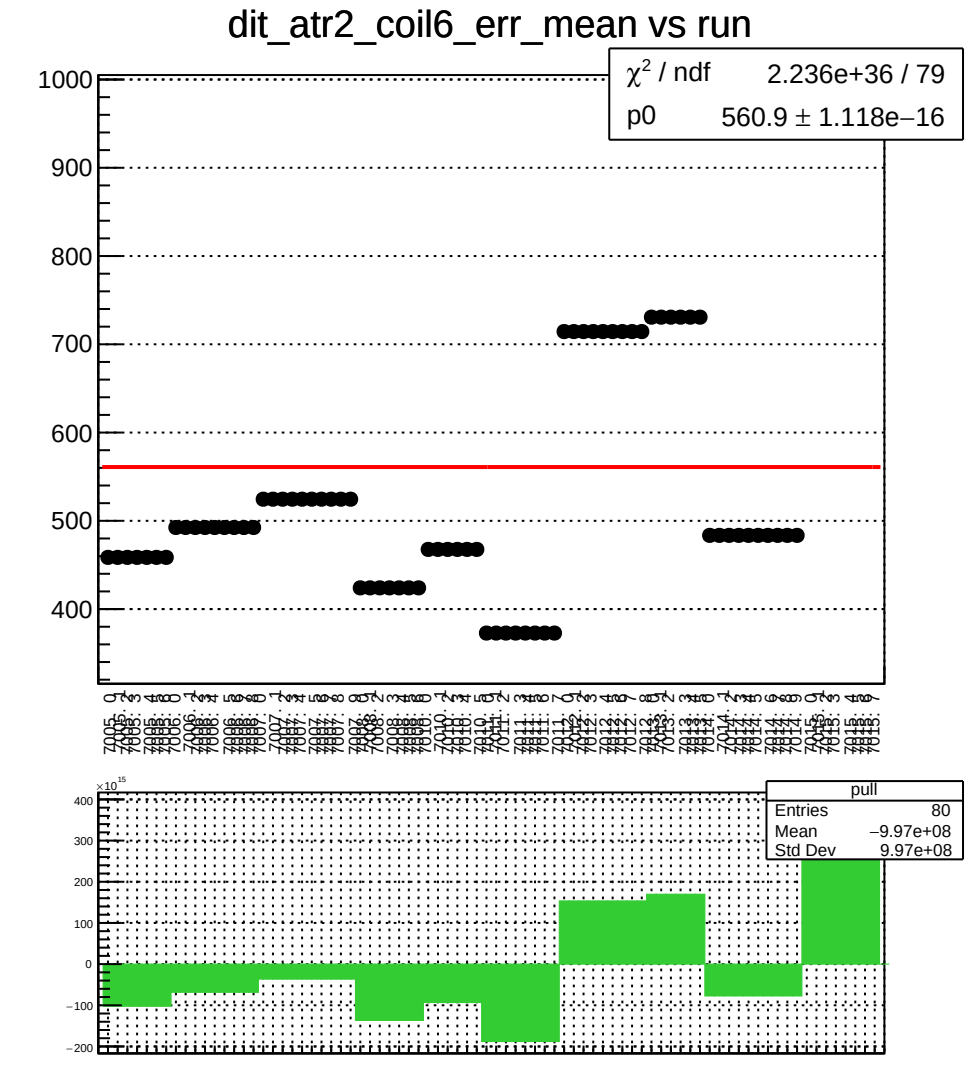

pull1D
Entries 80
Mean 0
Std Dev 0

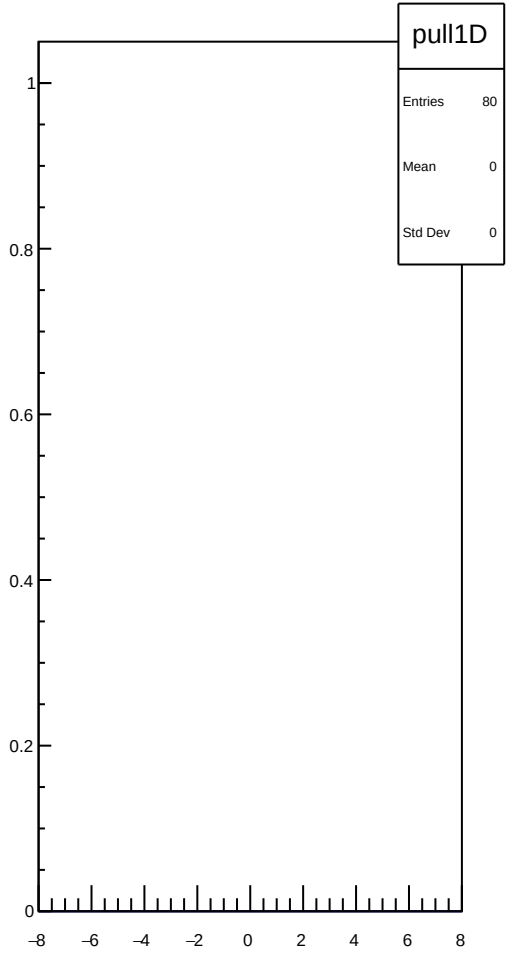

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

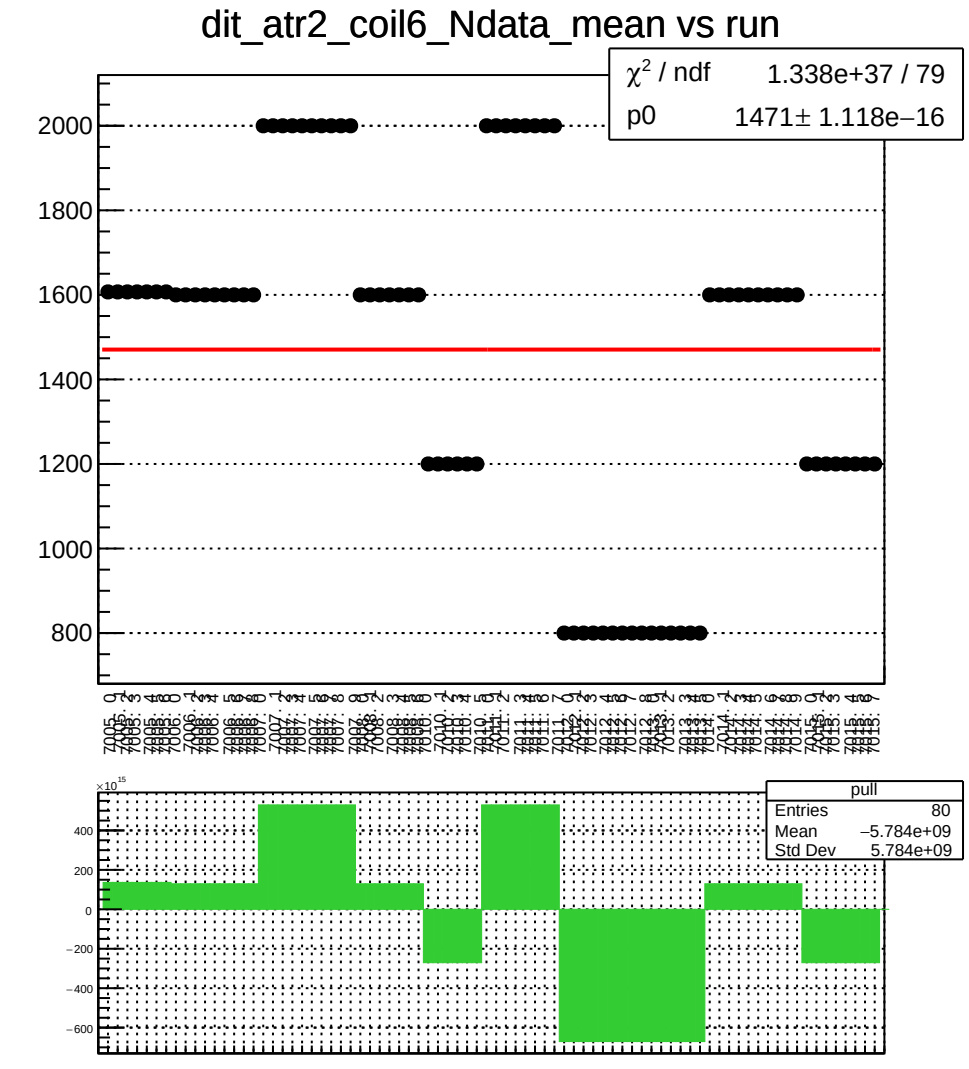

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

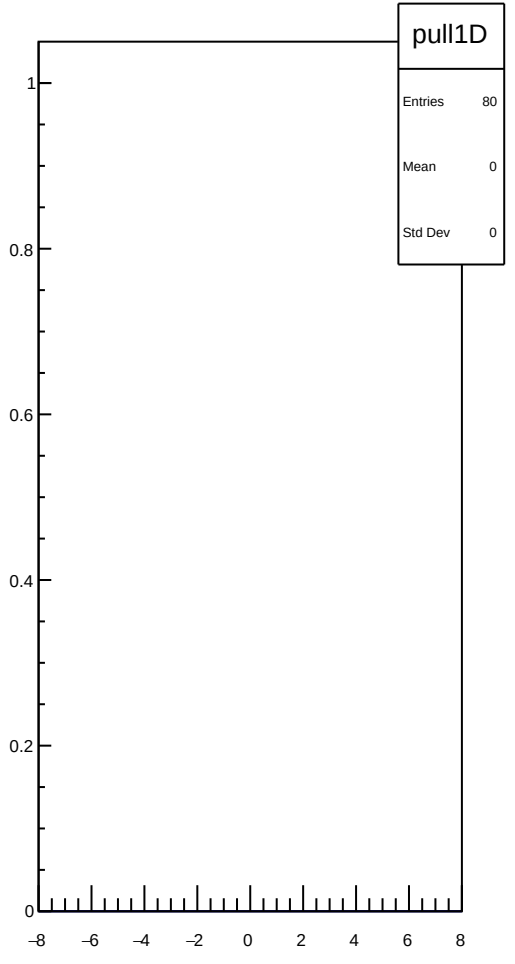

dit_atr2_coil6_mean vs run
χ² / ndf 3.283e+36 / 79
p0 −4141 ± 1.118e−16
−3700
−3800
−3900
−4000
−4100
−4200
−4300
−4400
pull
Entries 80
Mean 1.043e+09
Std Dev 1.043e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300

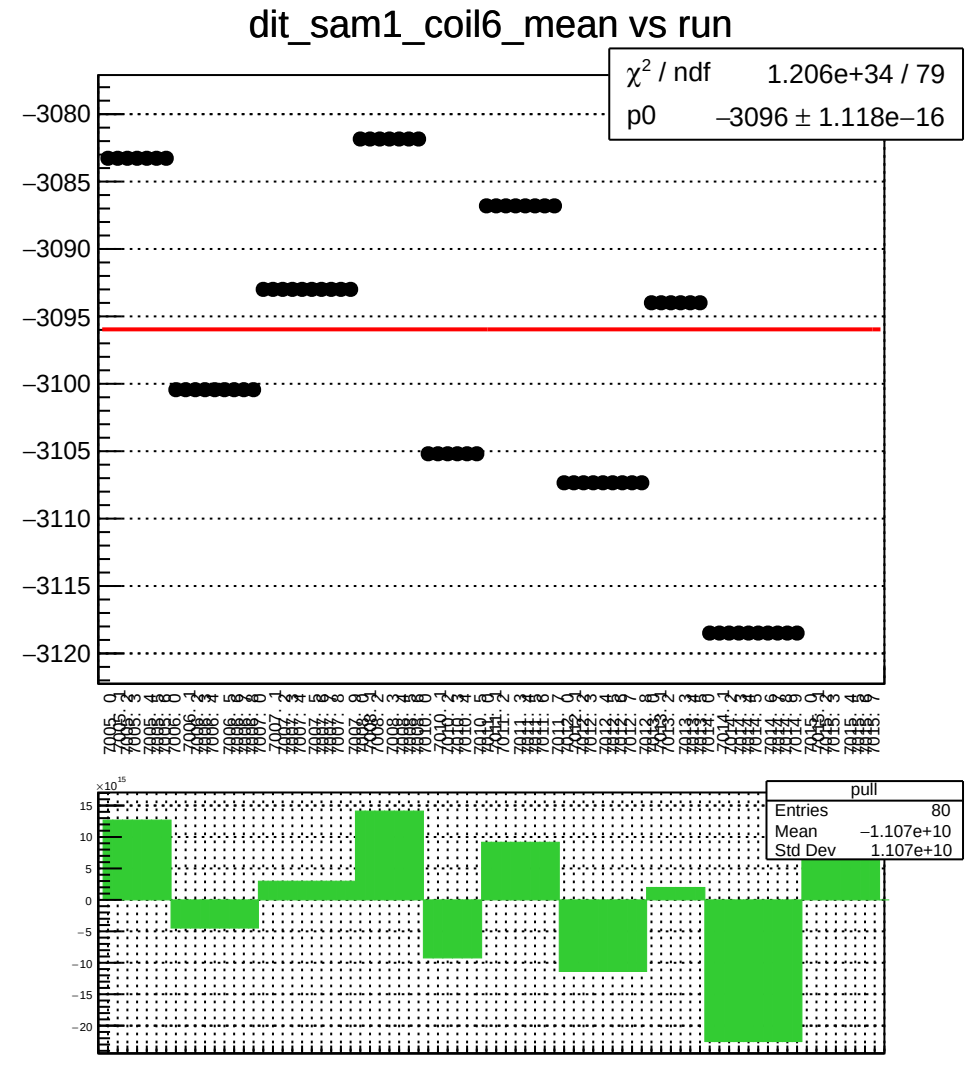

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

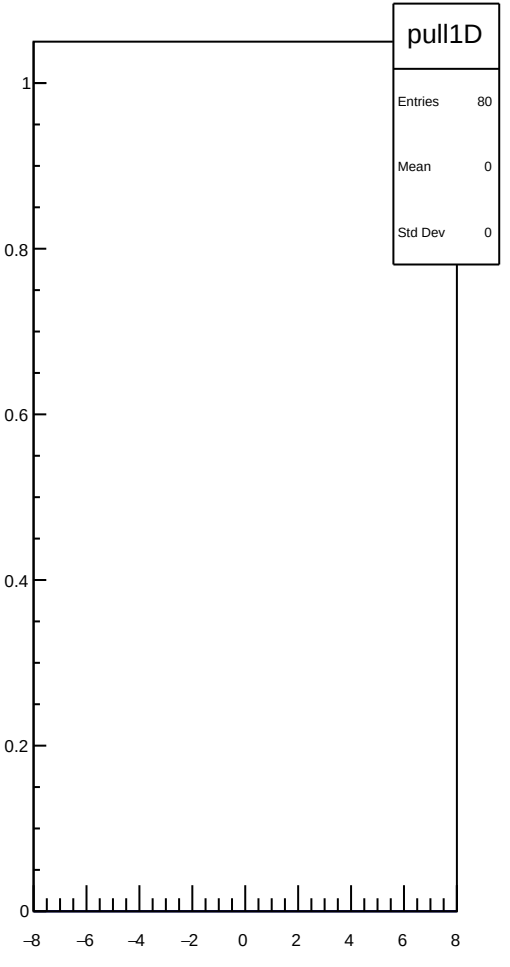

dit_atr2_coil6_err_mean vs run
χ² / ndf 2.236e+36 / 79
p0 560.9 ± 1.118e−16
pull
Entries 80
Mean −9.97e+08
Std Dev 9.97e+08

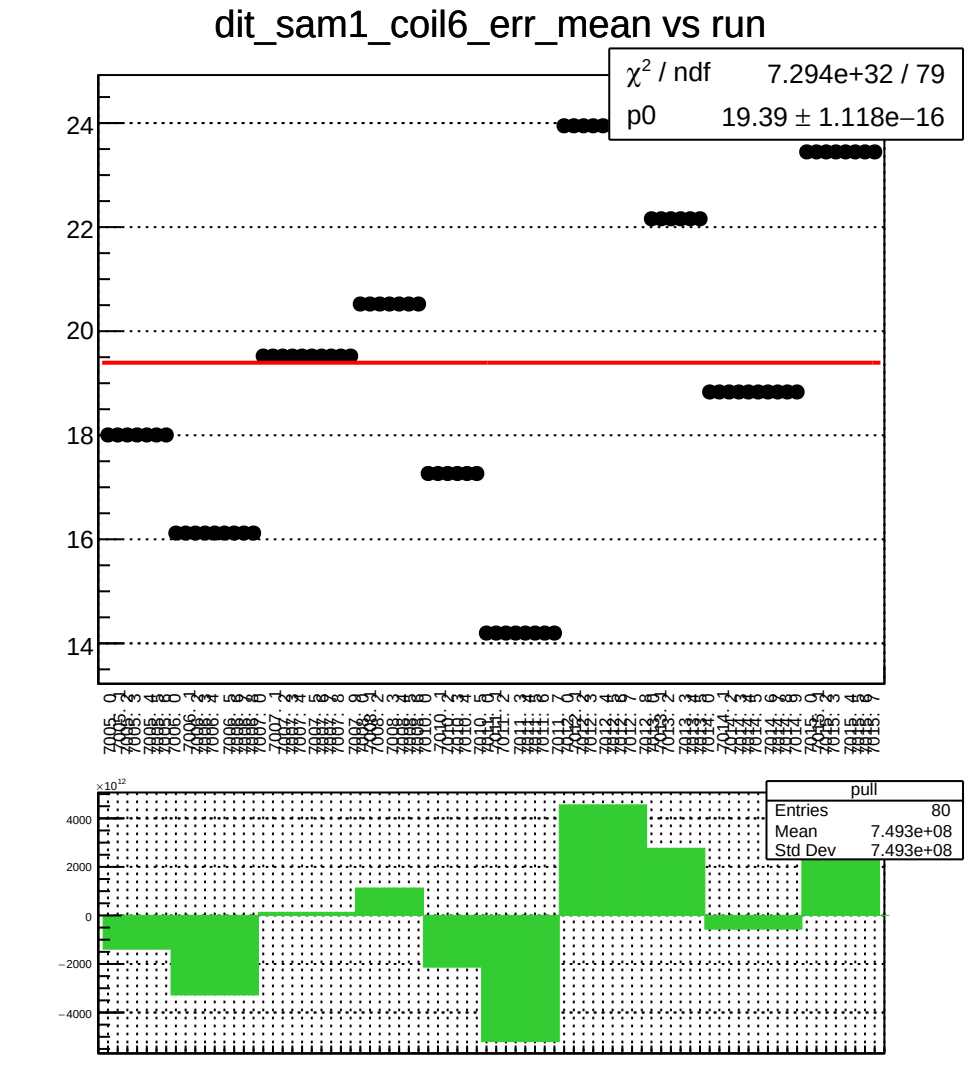

pull1D
Entries 80
Mean 0
Std Dev 0

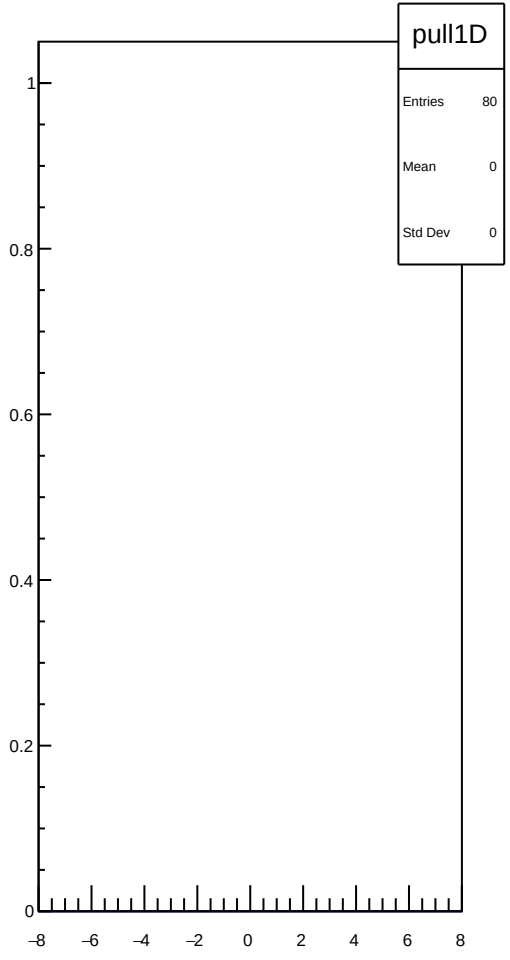

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

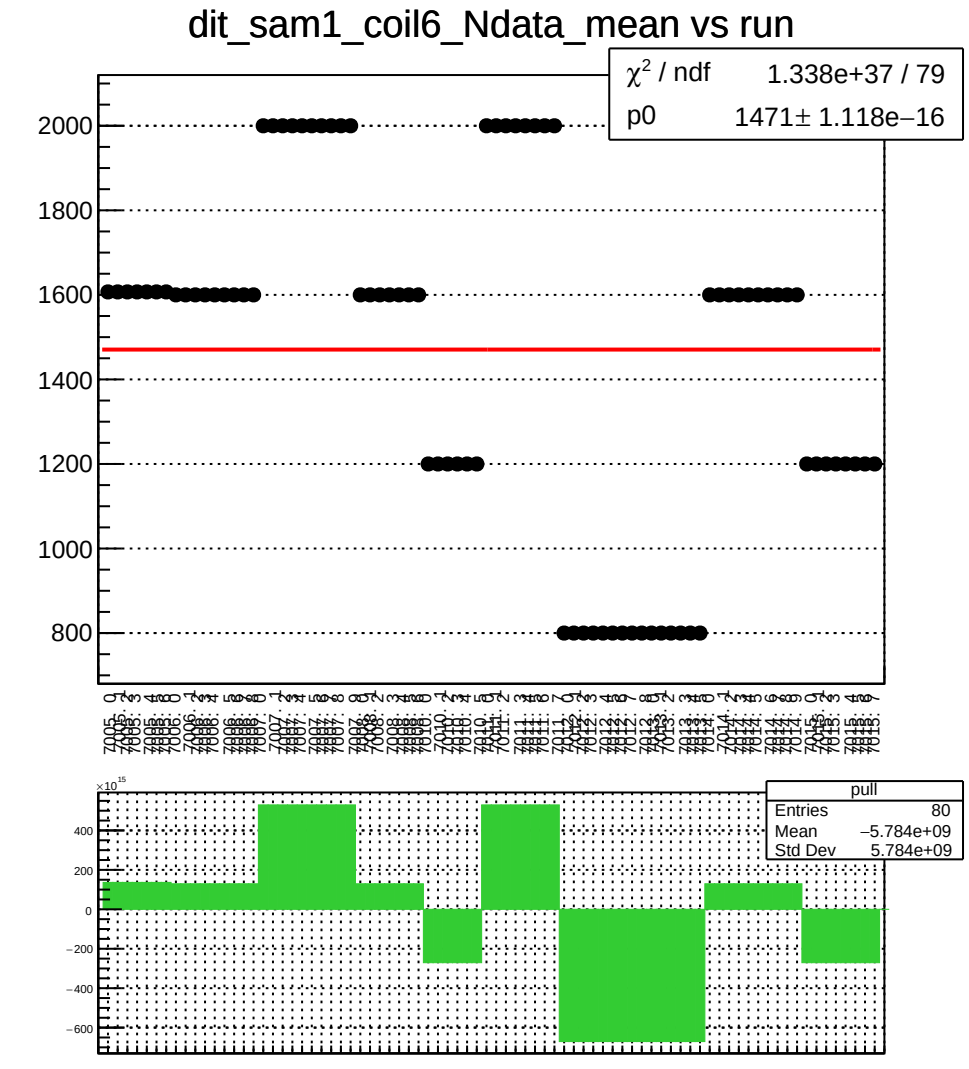

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

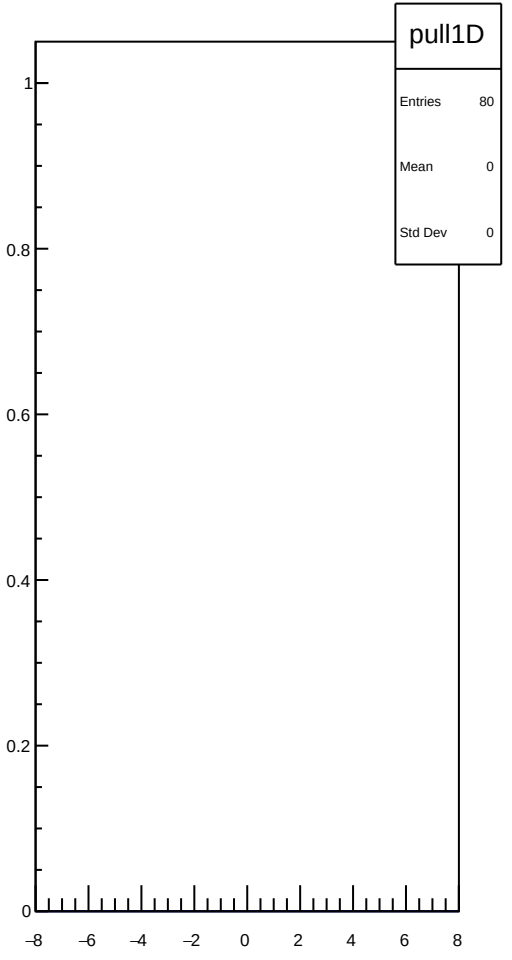

dit_sam1_coil6_mean vs run
χ² / ndf 1.206e+34 / 79
p0 −3096 ± 1.118e−16
−3080
−3085
−3090
−3095
−3100
−3105
−3110
−3115
−3120
pull
Entries 80
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
15
10
5
0
−5
−10
−15
−20

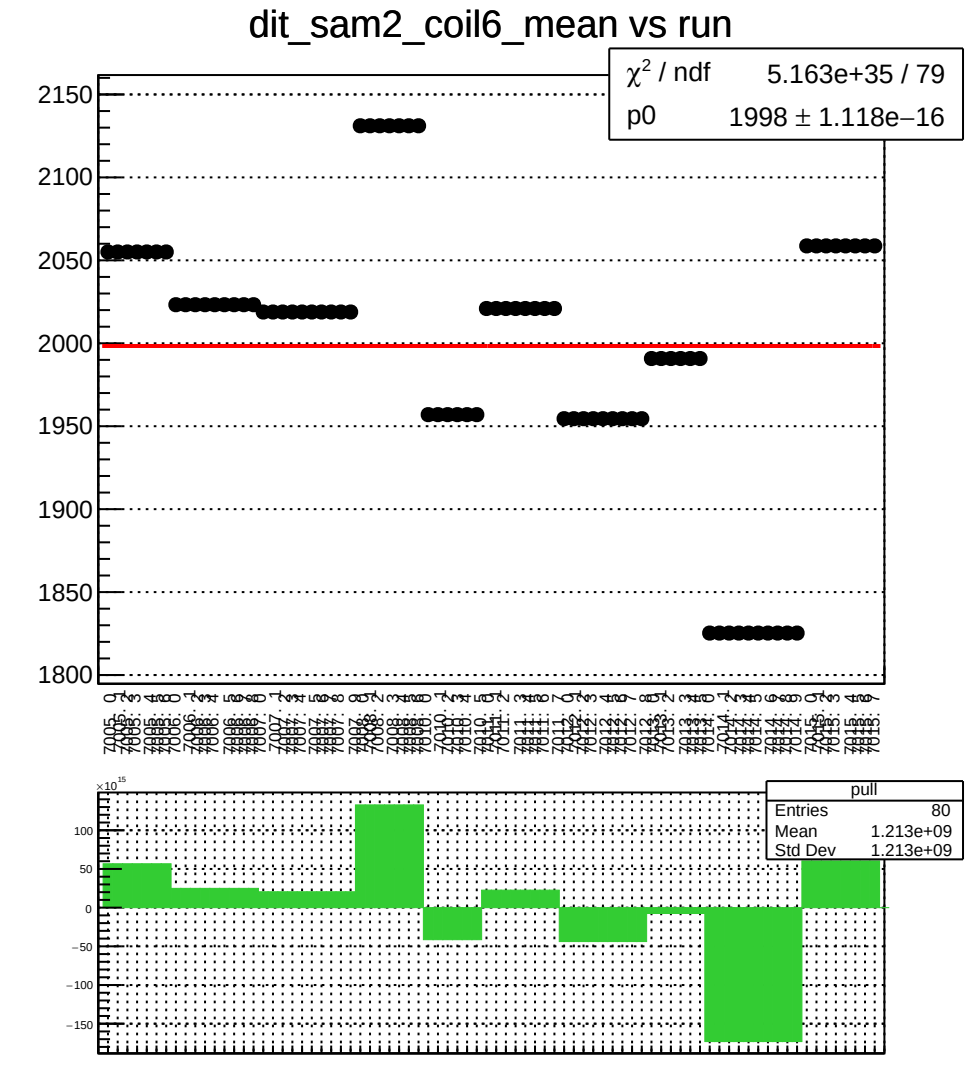

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

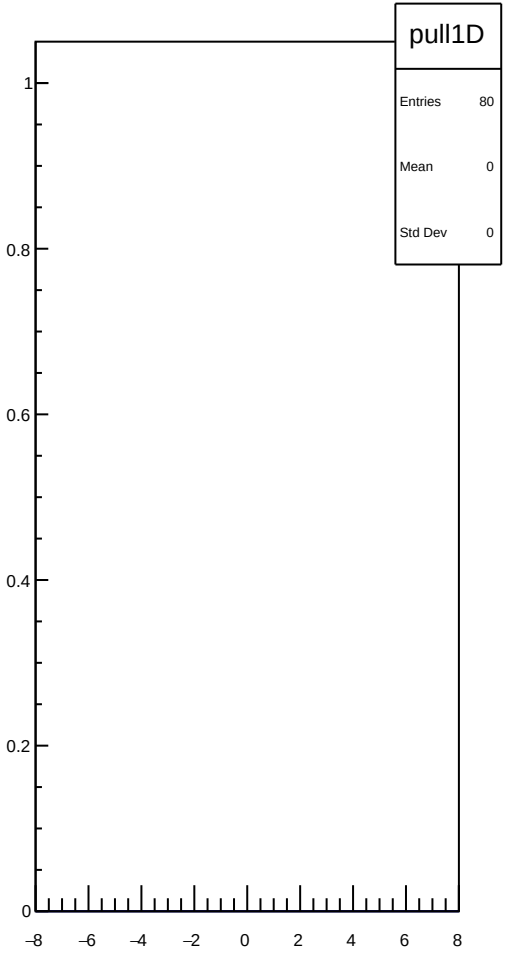

dit_sam1_coil6_err_mean vs run
χ² / ndf 7.294e+32 / 79
p0 19.39 ± 1.118e−16
24
22
20
18
16
14
×10¹²
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 7.493e+08
Std Dev 7.493e+08

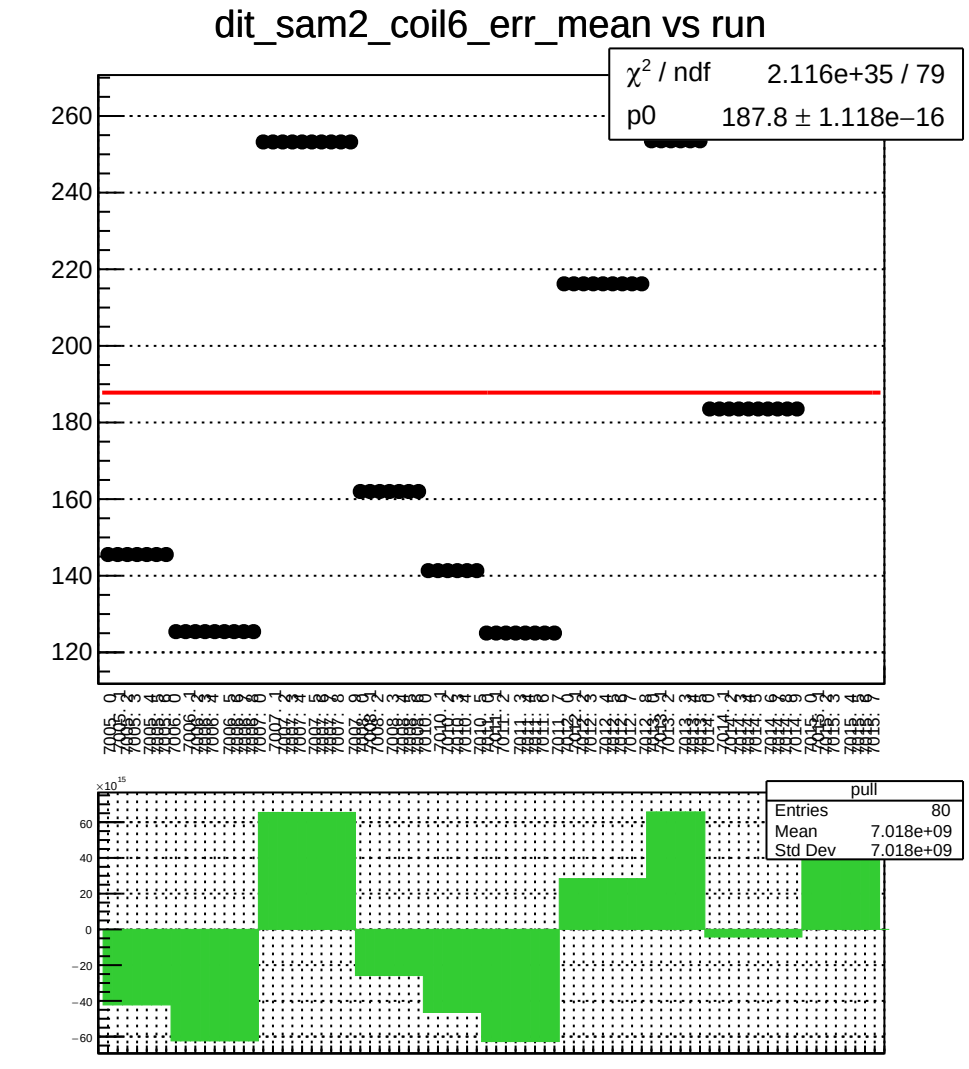

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

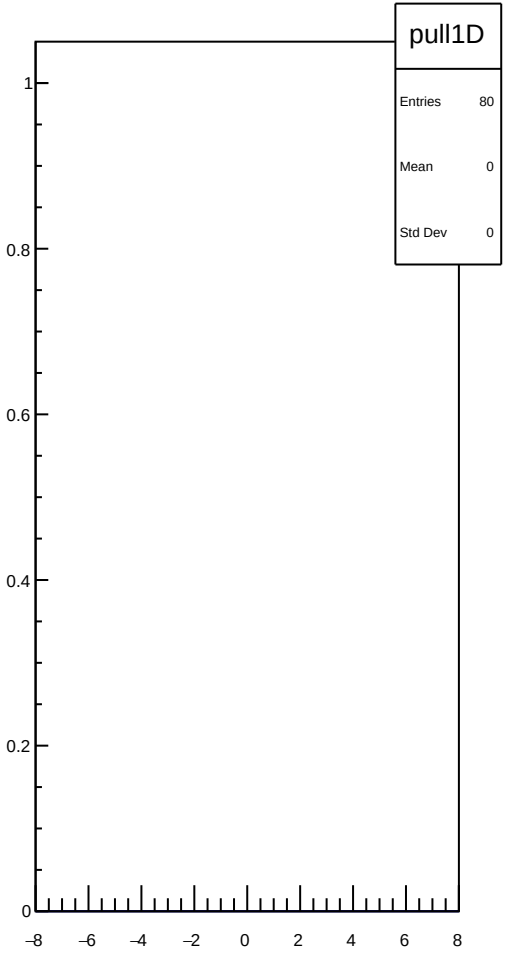

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

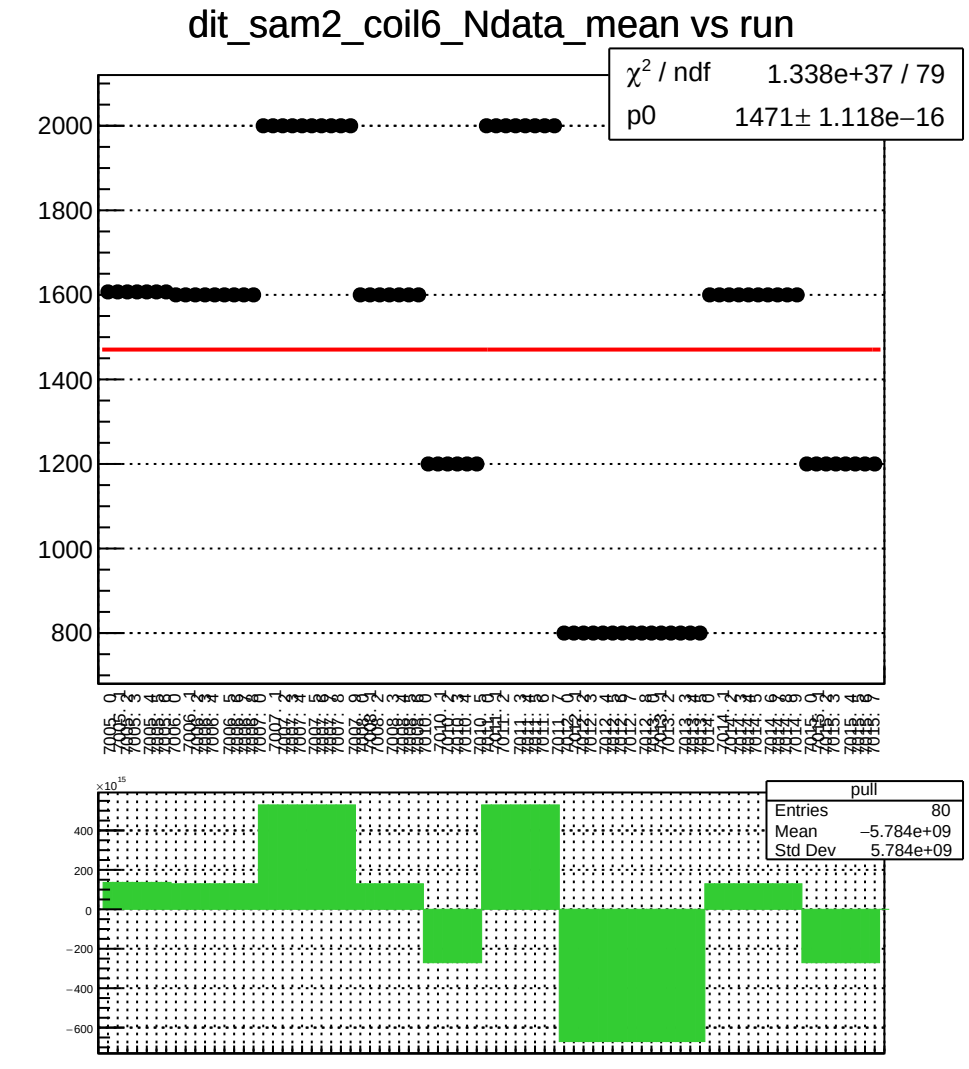

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

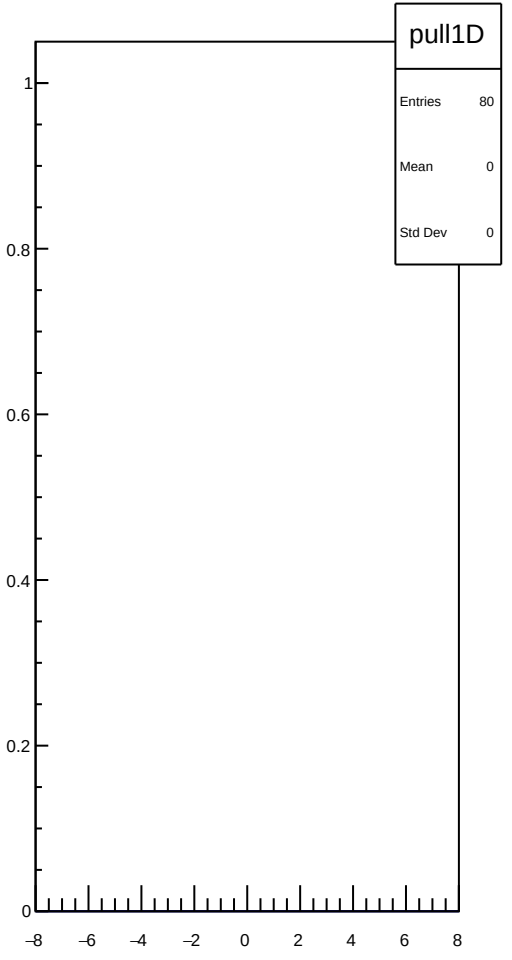

dit_sam2_coil6_mean vs run
χ² / ndf 5.163e+35 / 79
p0 1998 ± 1.118e−16
2150
2100
2050
2000
1950
1900
1850
1800
pull
Entries 80
Mean 1.213e+09
Std Dev 1.213e+09
×10¹⁵
100
50
0
−50
−100
−150

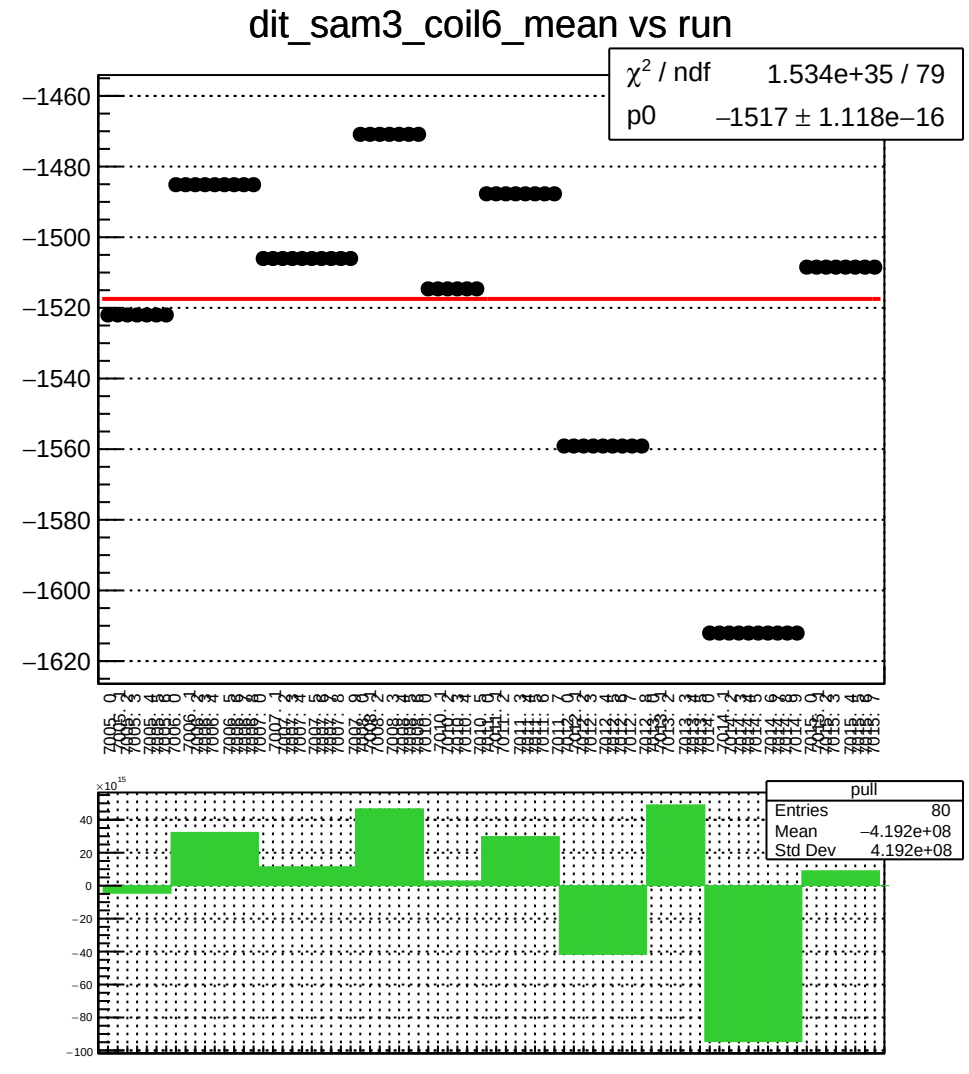

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

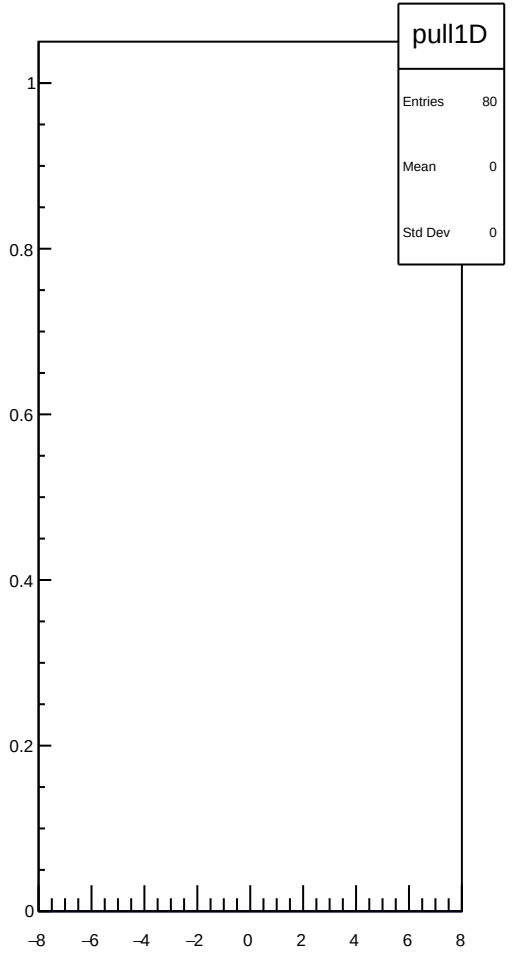

dit_sam2_coil6_err_mean vs run
χ² / ndf 2.116e+35 / 79
p0 187.8 ± 1.118e−16
260
240
220
200
180
160
140
120
×10¹⁵
60
40
20
0
−20
−40
−60
pull
Entries 80
Mean 7.018e+09
Std Dev 7.018e+09

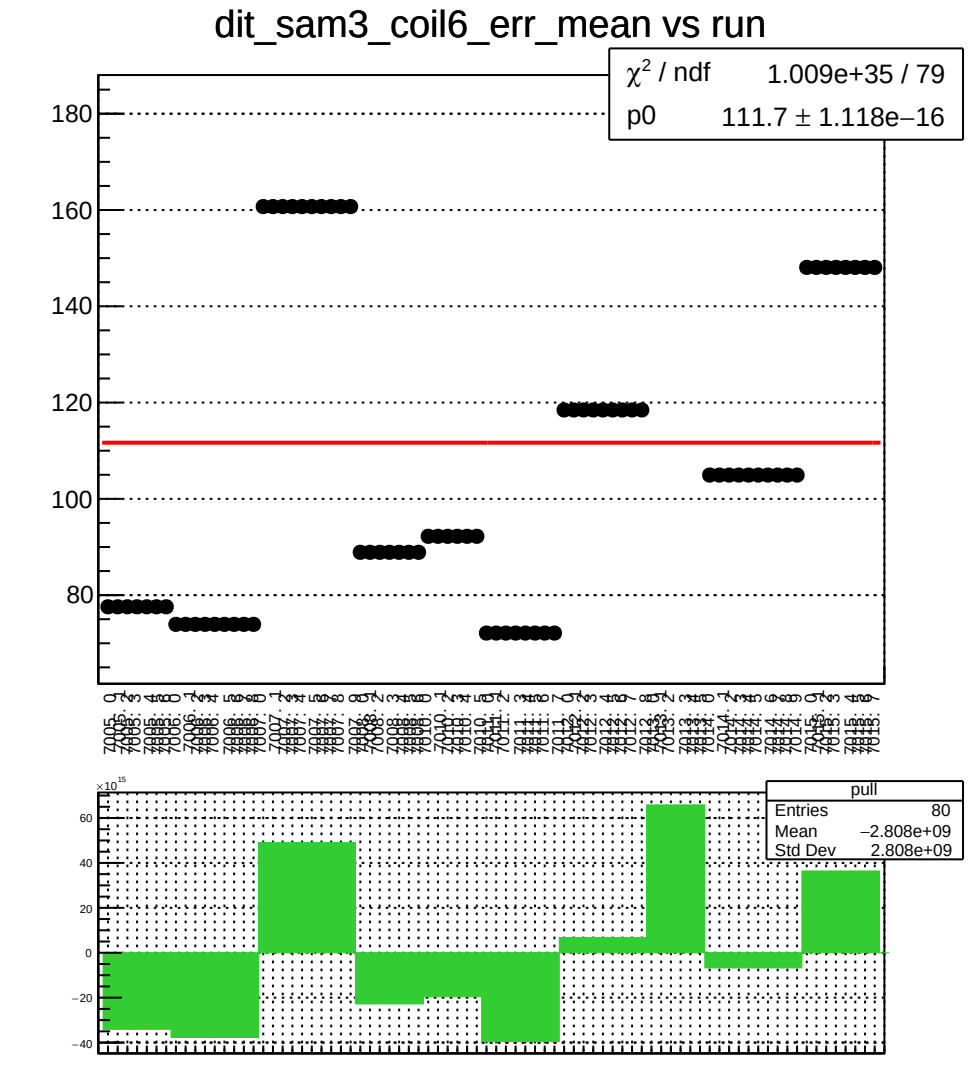

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

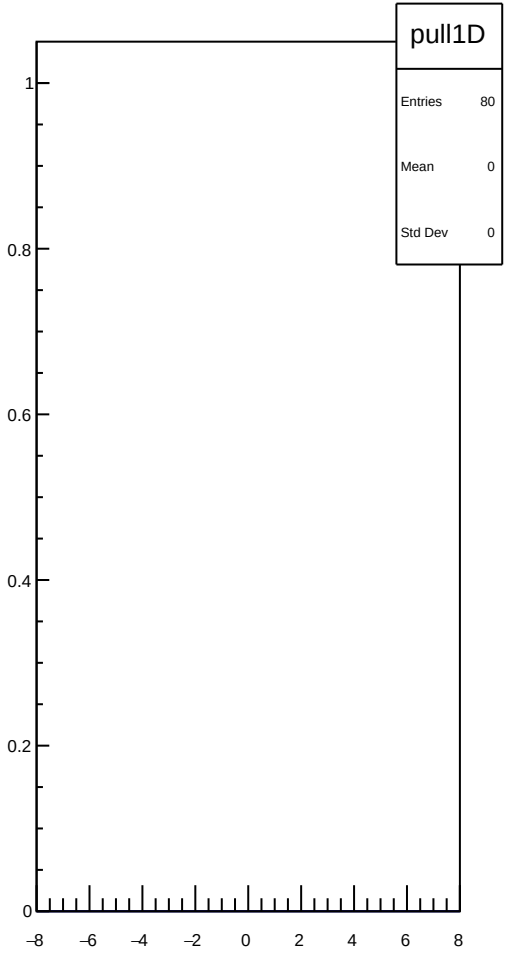

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

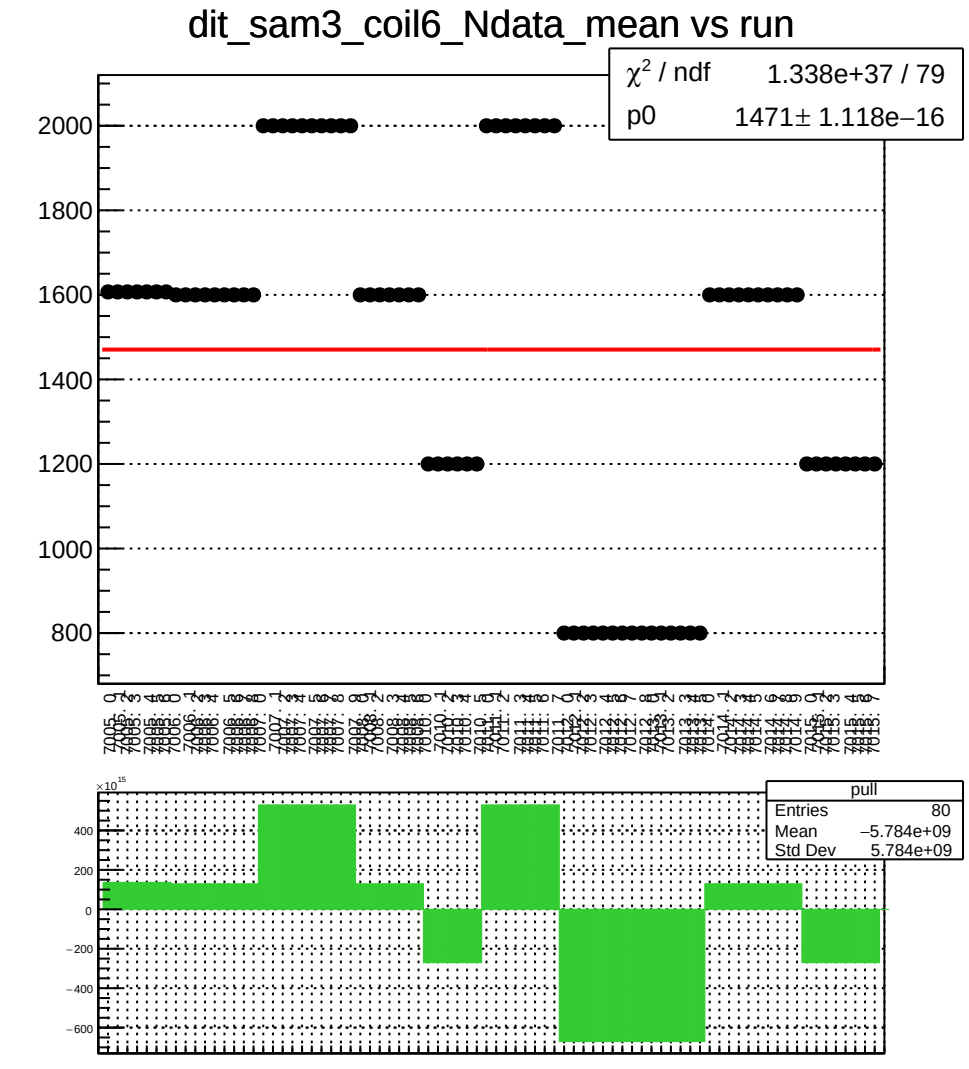

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

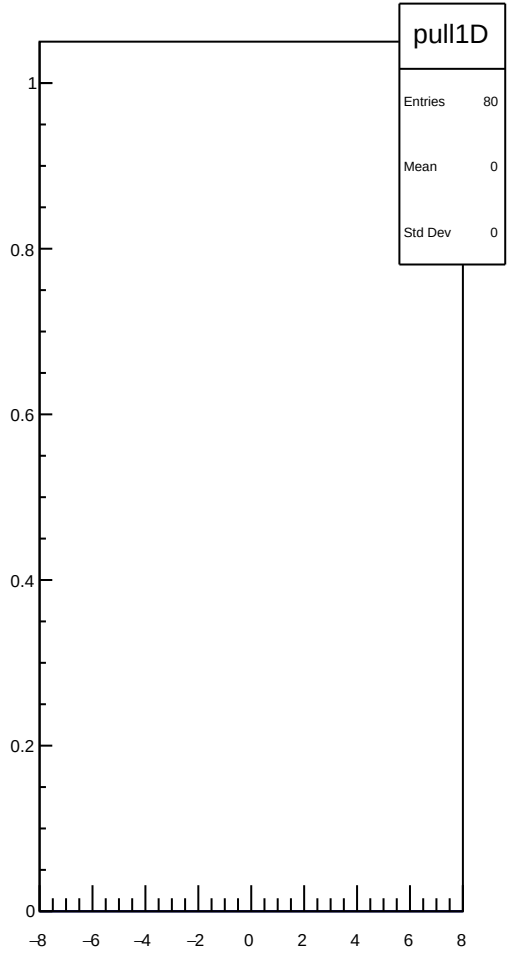

dit_sam3_coil6_mean vs run
χ² / ndf 1.534e+35 / 79
p0 –1517 ± 1.118e–16
–1460
–1480
–1500
–1520
–1540
–1560
–1580
–1600
–1620
pull
Entries 80
Mean –4.192e+08
Std Dev 4.192e+08
×10¹⁵
40
20
0
–20
–40
–60
–80
–100

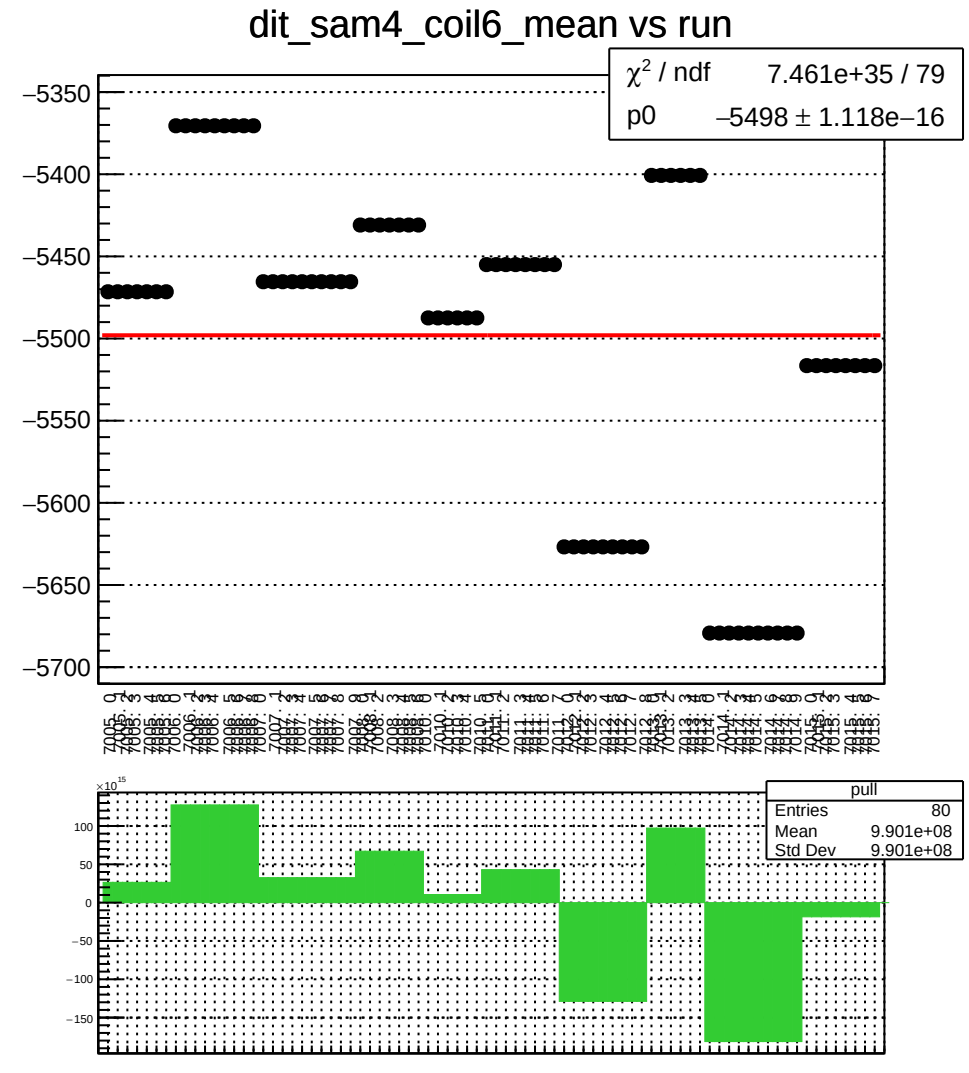

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

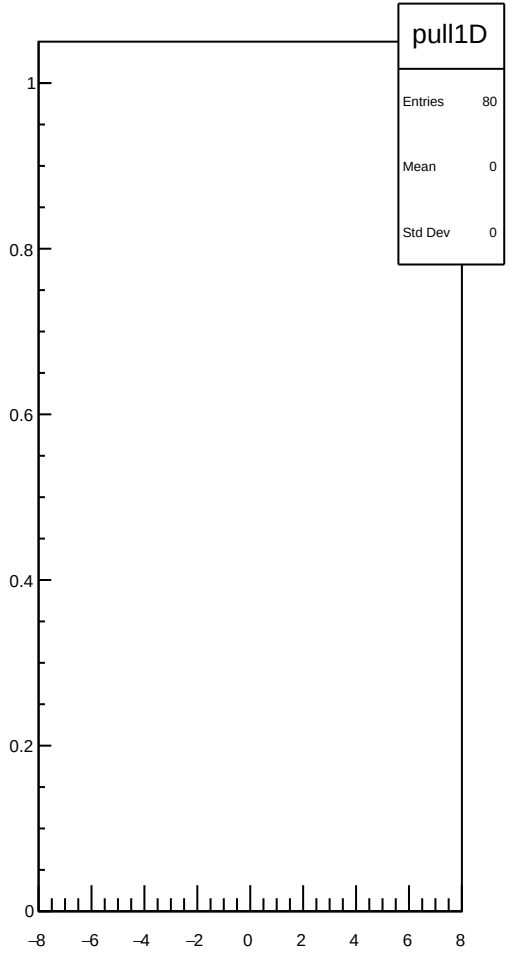

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.009e+35 / 79
p0 111.7 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean −2.808e+09
Std Dev 2.808e+09
×10¹⁵
60
40
20
0
−20
−40

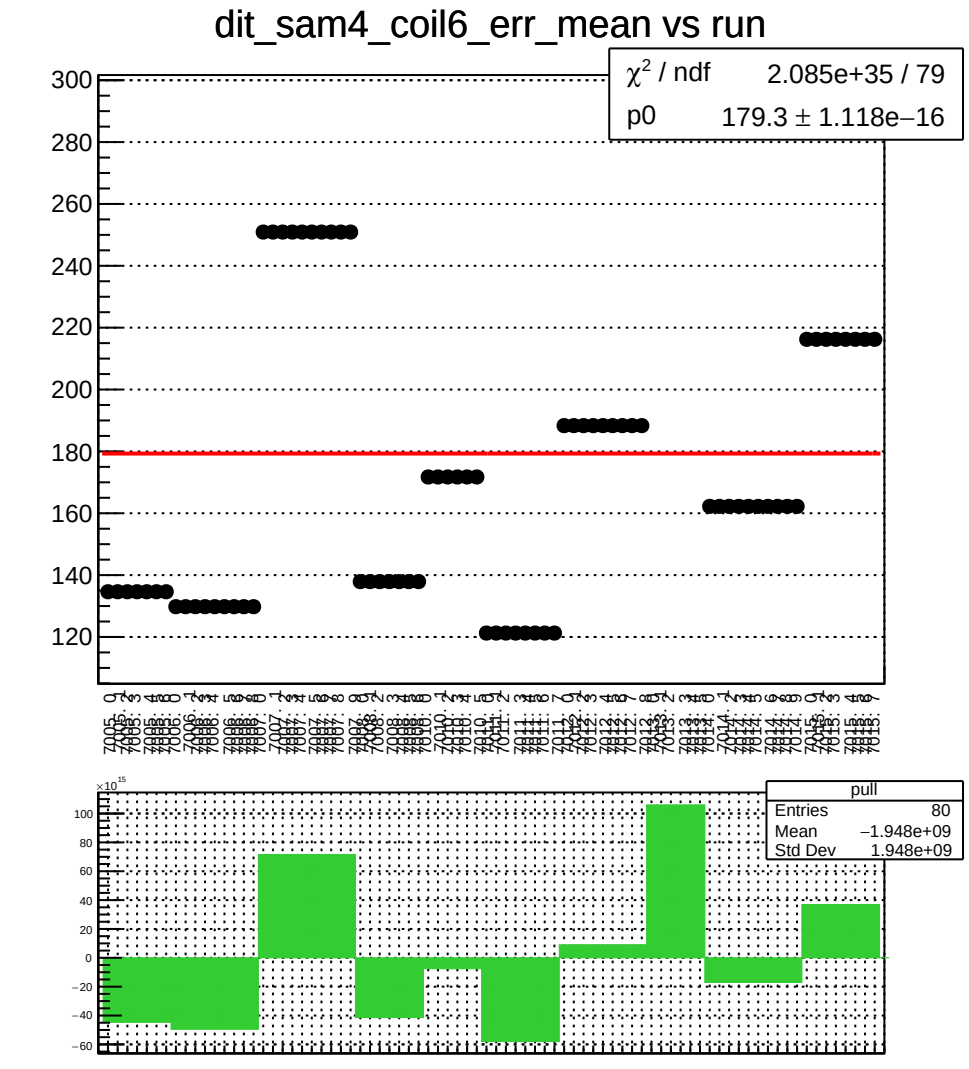

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

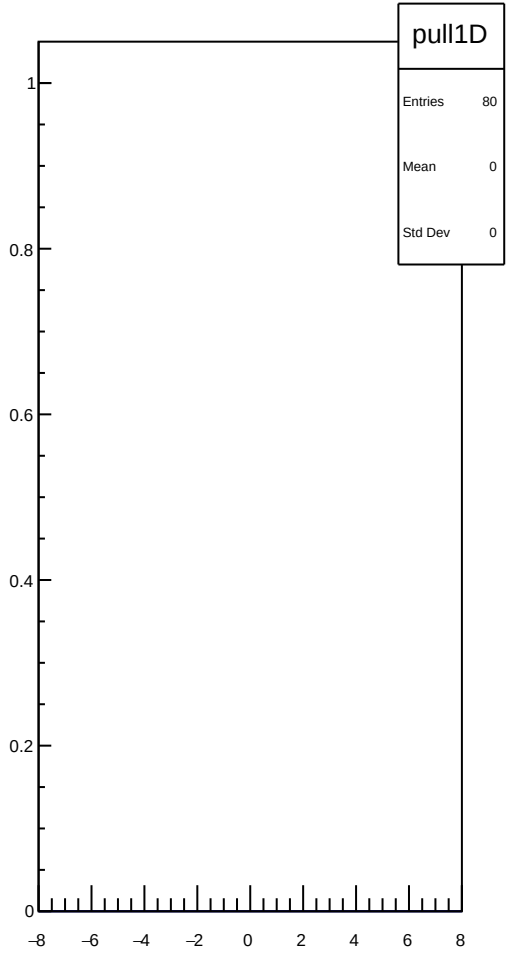

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

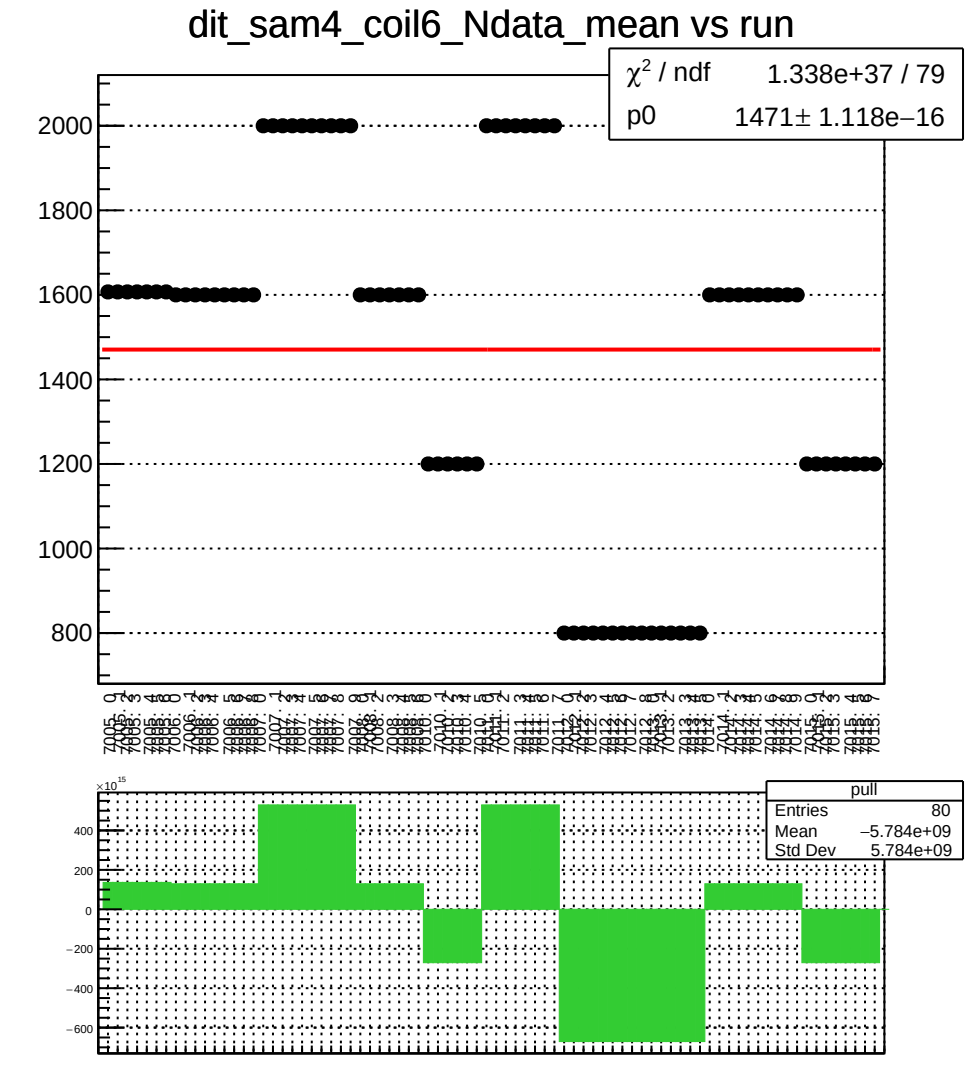

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

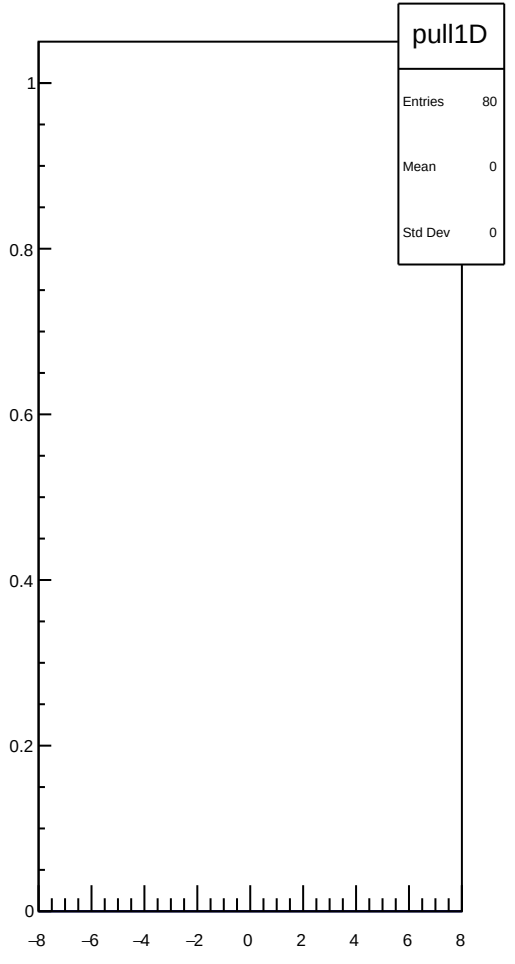

dit_sam4_coil6_mean vs run
χ² / ndf 7.461e+35 / 79
p0 –5498 ± 1.118e–16
–5350
–5400
–5450
–5500
–5550
–5600
–5650
–5700
pull
Entries 80
Mean 9.901e+08
Std Dev 9.901e+08
×10¹⁵
100
50
0
–50
–100
–150

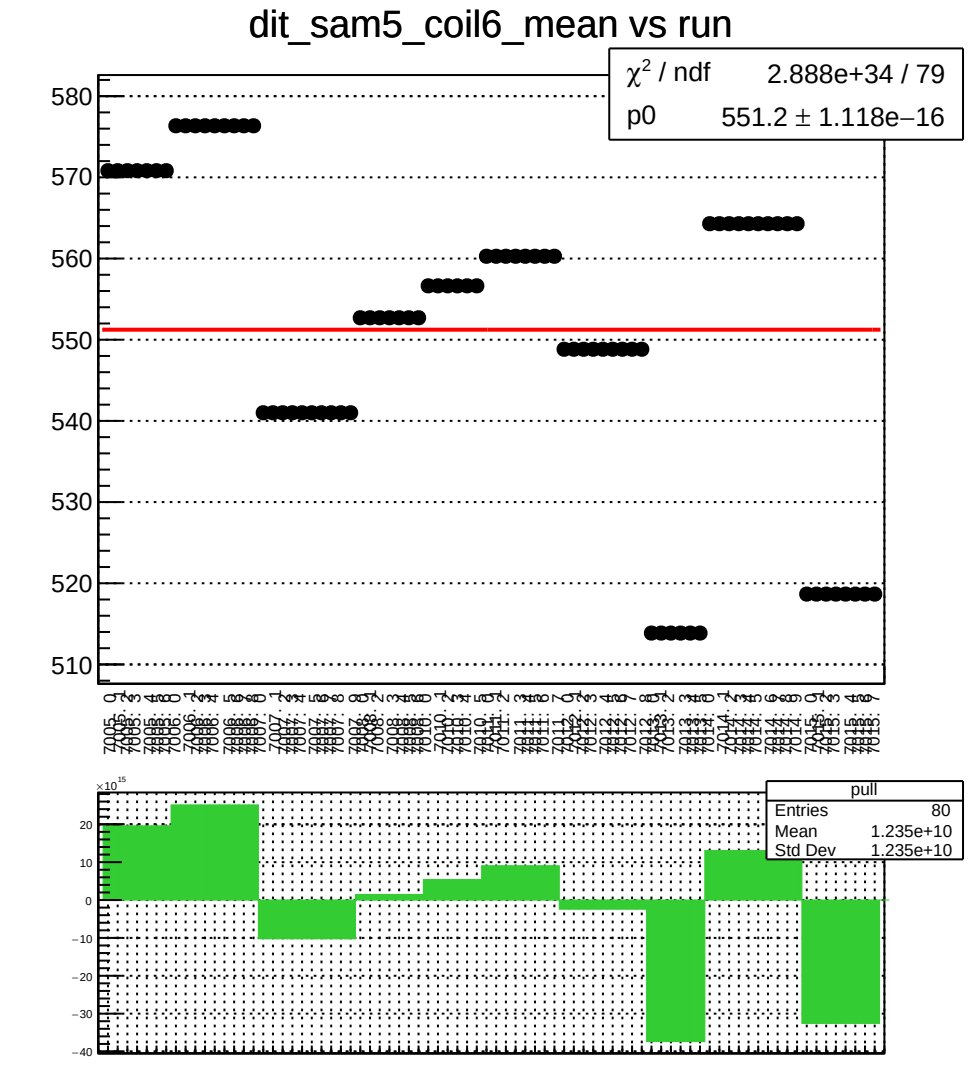

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

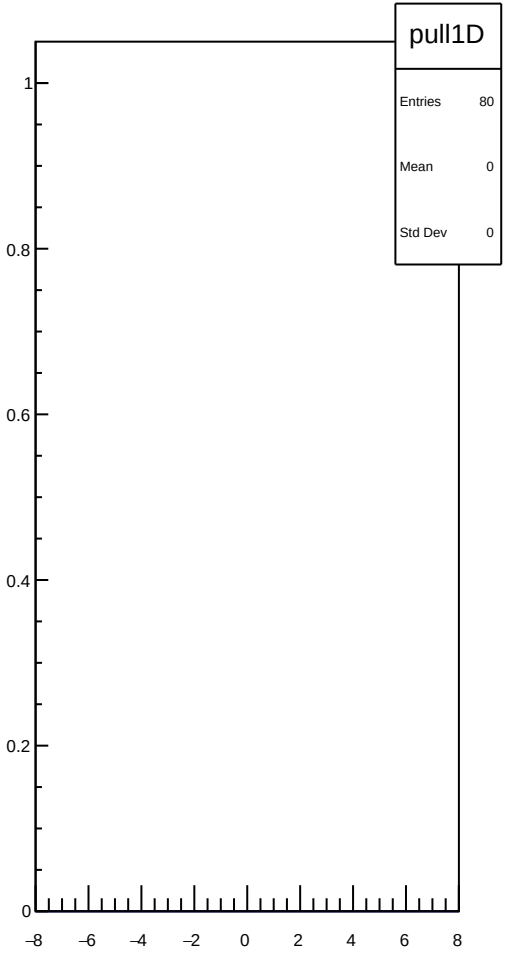

dit_sam4_coil6_err_mean vs run
χ² / ndf 2.085e+35 / 79
p0 179.3 ± 1.118e−16
pull
Entries 80
Mean −1.948e+09
Std Dev 1.948e+09

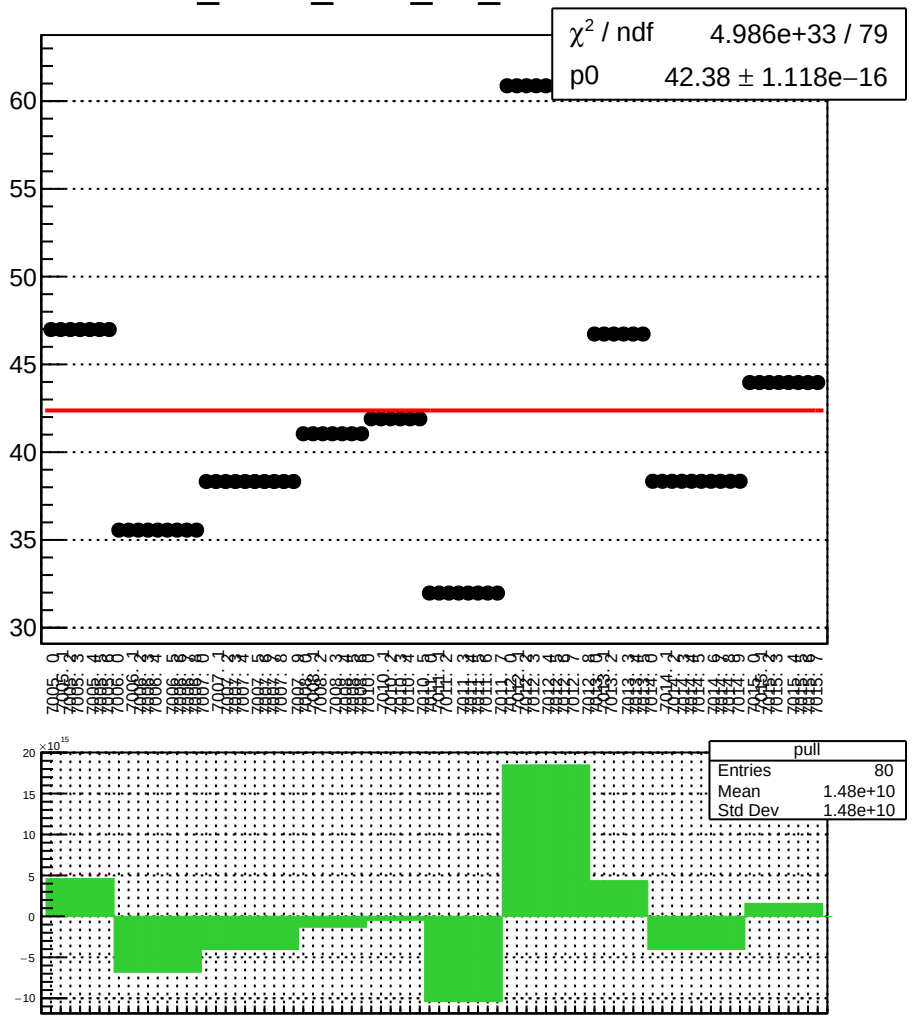

pull1D
Entries 80
Mean 0
Std Dev 0

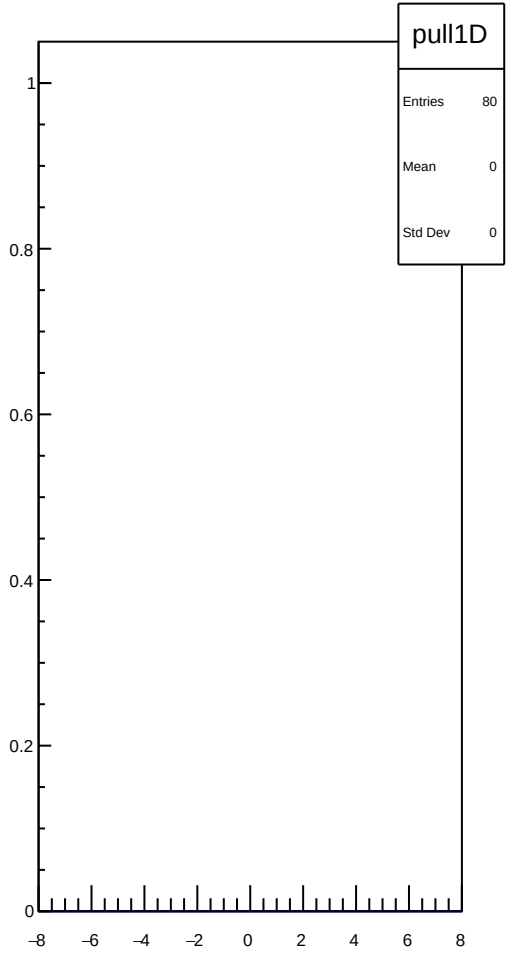

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

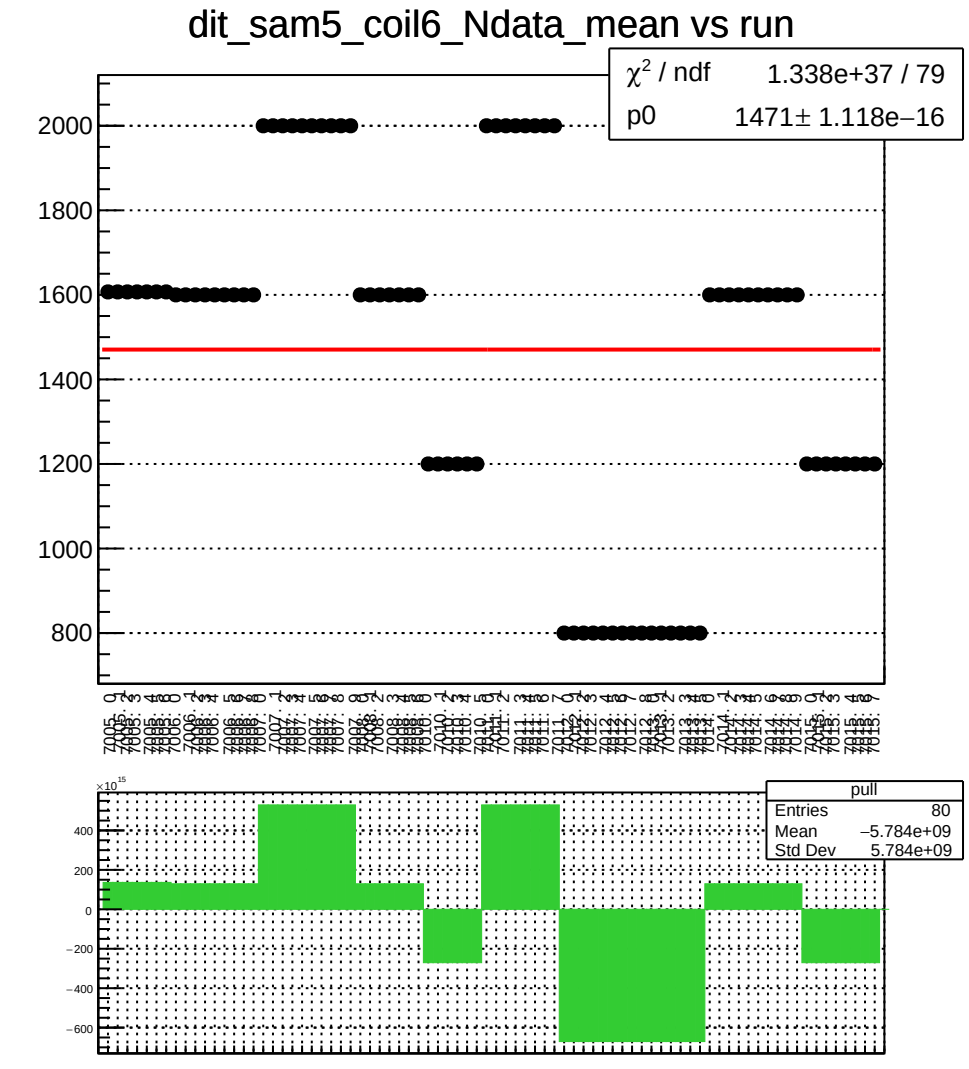

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

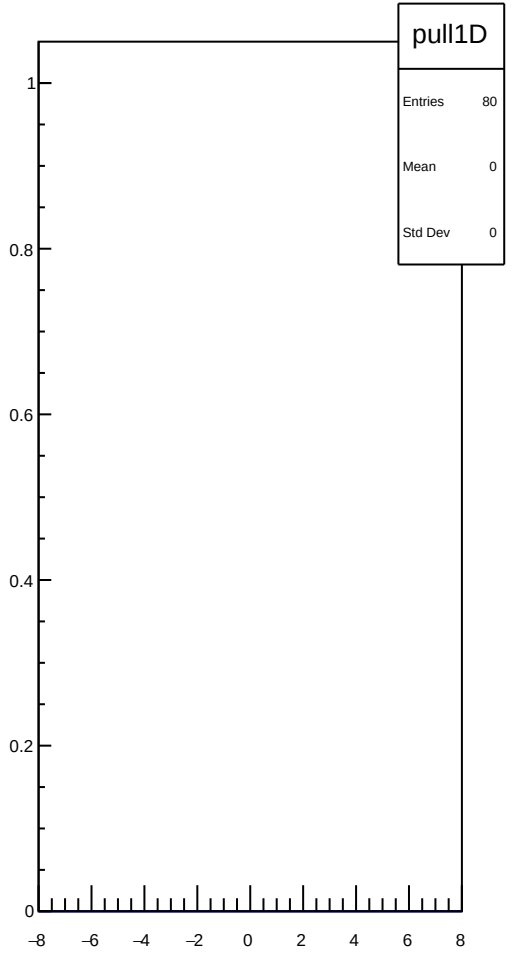

dit_sam5_coil6_mean vs run
χ² / ndf 2.888e+34 / 79
p0 551.2 ± 1.118e−16
580
570
560
550
540
530
520
510
pull
Entries 80
Mean 1.235e+10
Std Dev 1.235e+10
×10¹⁵
20
10
0
−10
−20
−30
−40

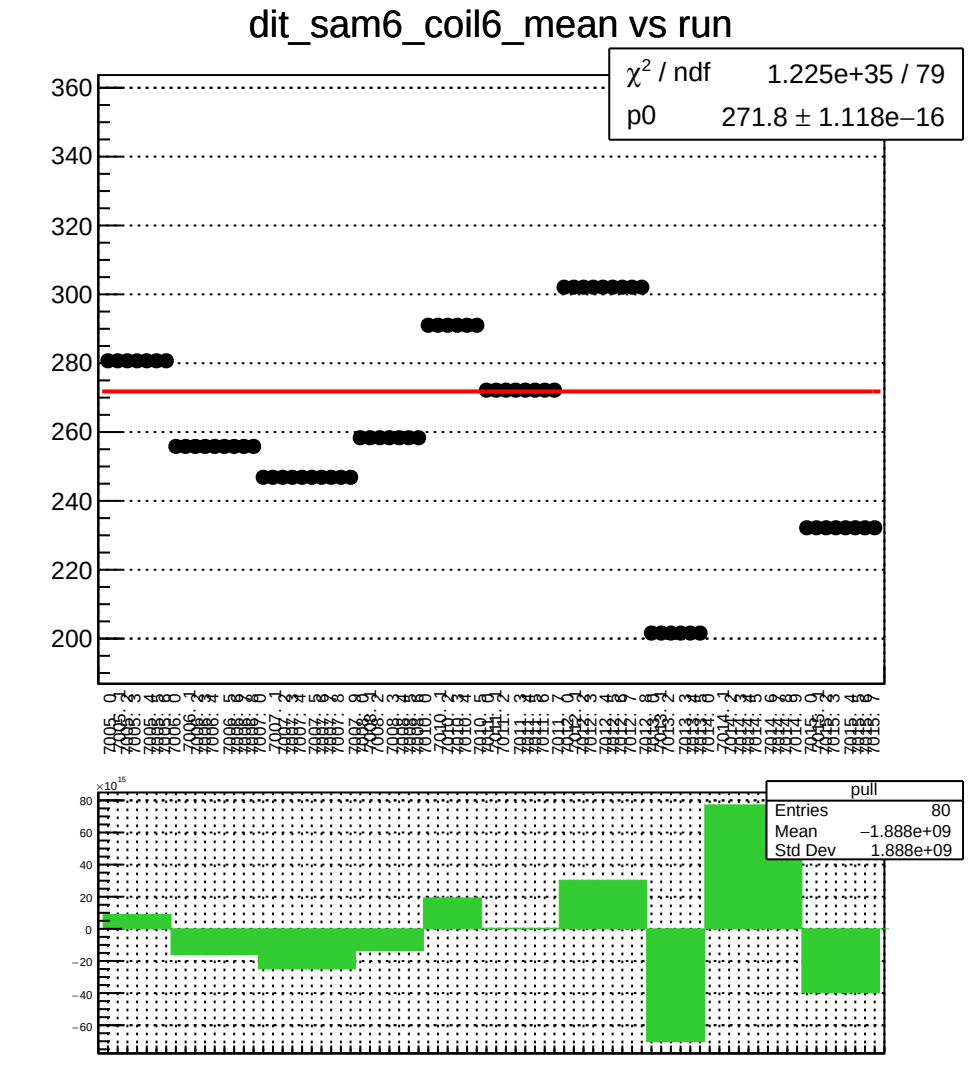

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

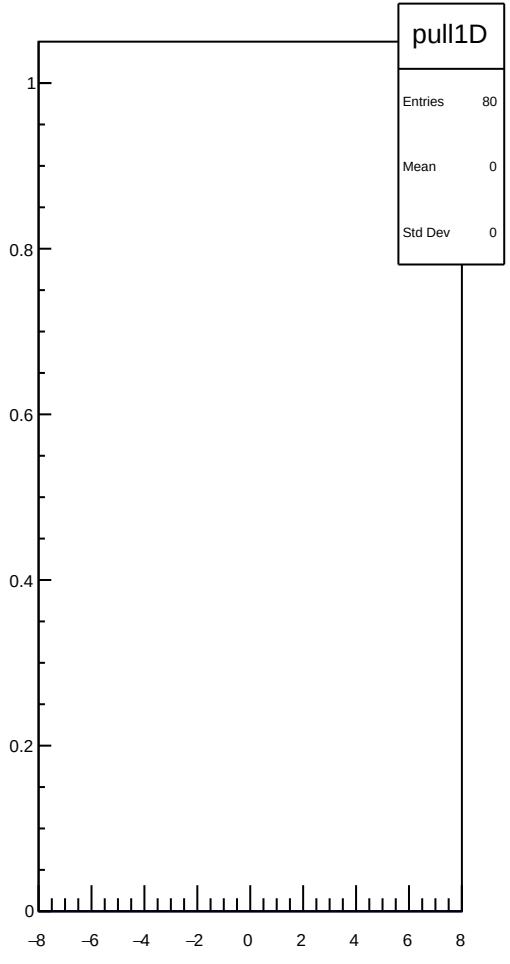

dit_sam5_coil6_err_mean vs run
χ² / ndf 4.986e+33 / 79
p0 42.38 ± 1.118e−16
pull
Entries 80
Mean 1.48e+10
Std Dev 1.48e+10

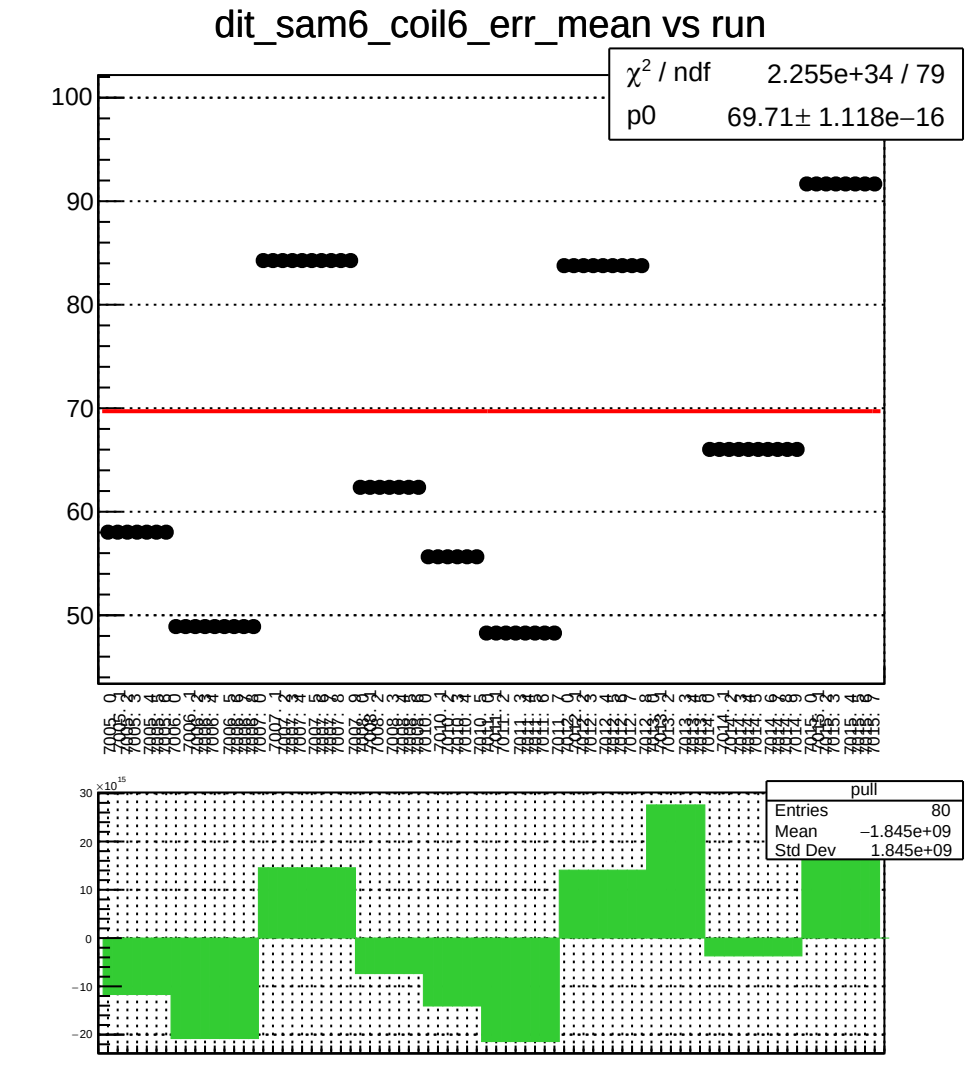

pull1D
Entries 80
Mean 0
Std Dev 0

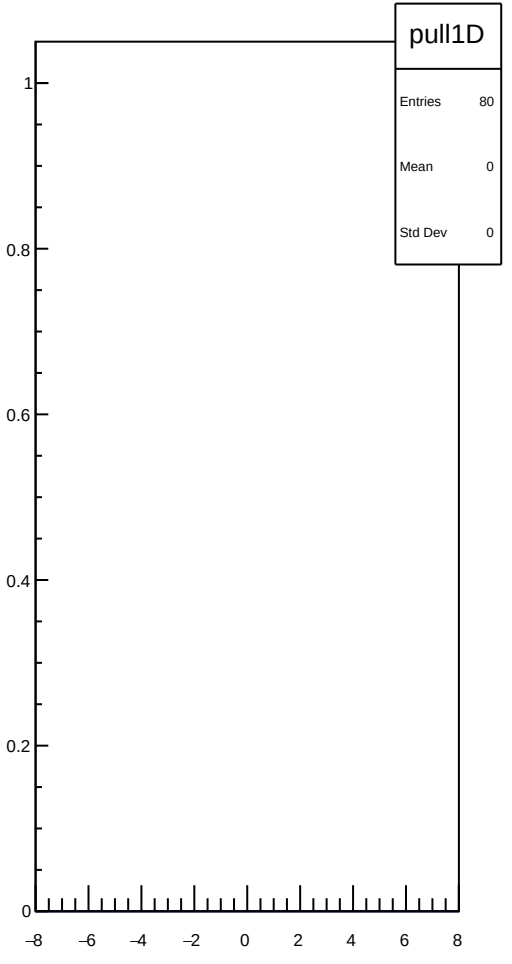

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

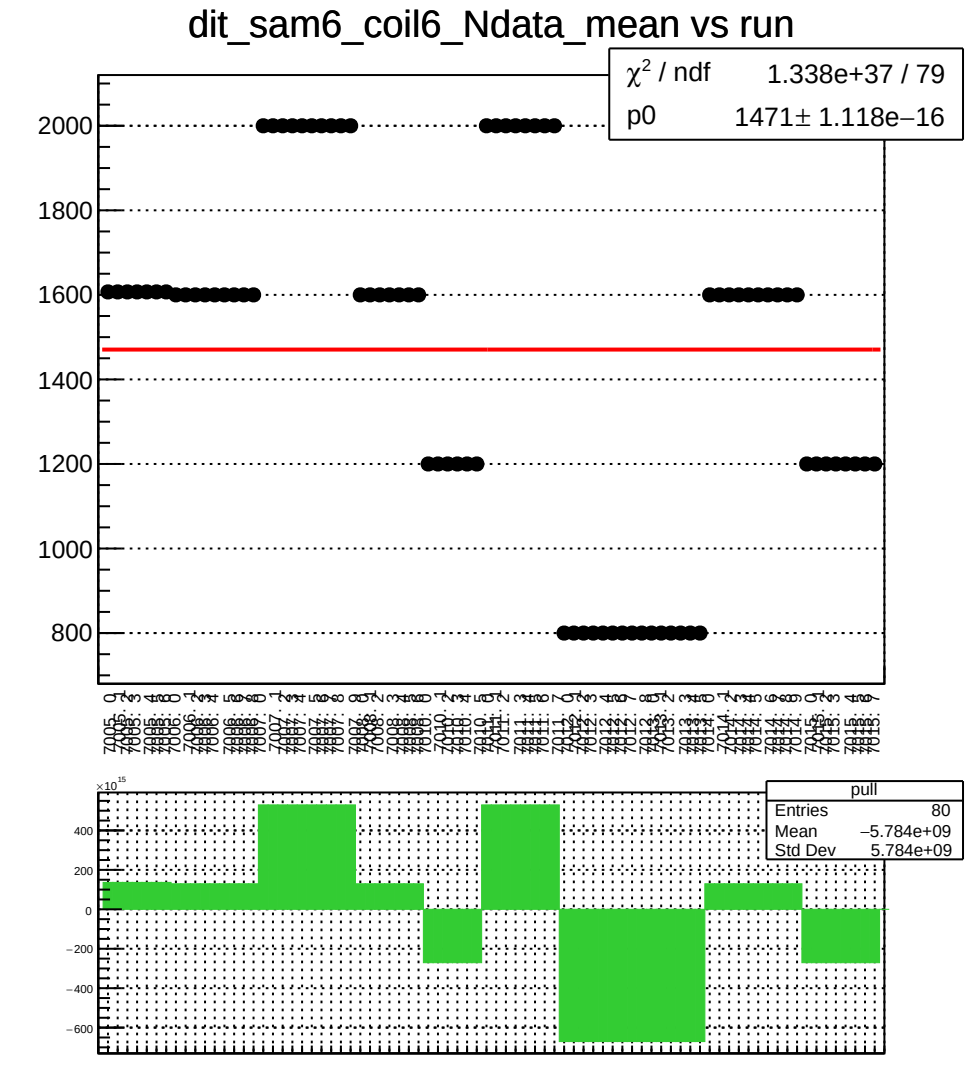

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

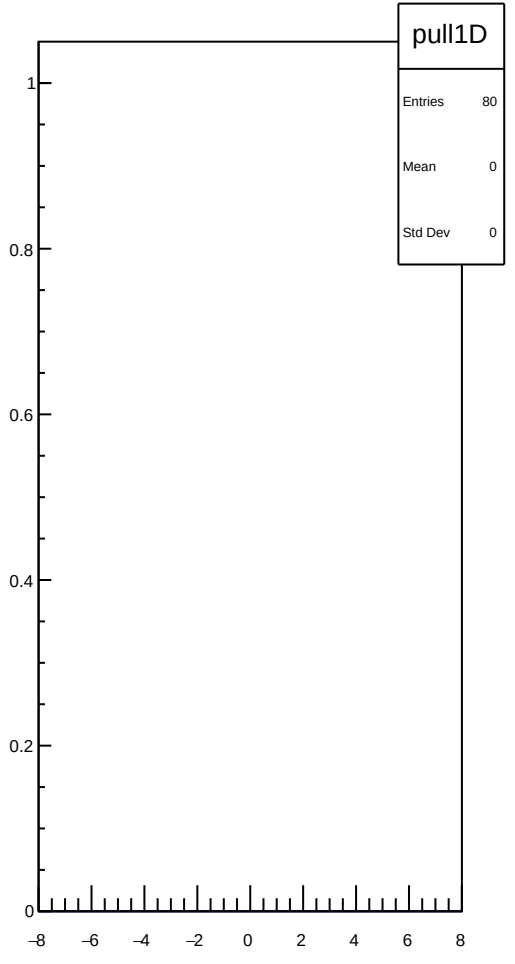

dit_sam6_coil6_mean vs run
χ² / ndf 1.225e+35 / 79
p0 271.8 ± 1.118e−16
pull
Entries 80
Mean −1.888e+09
Std Dev 1.888e+09
×10¹⁵

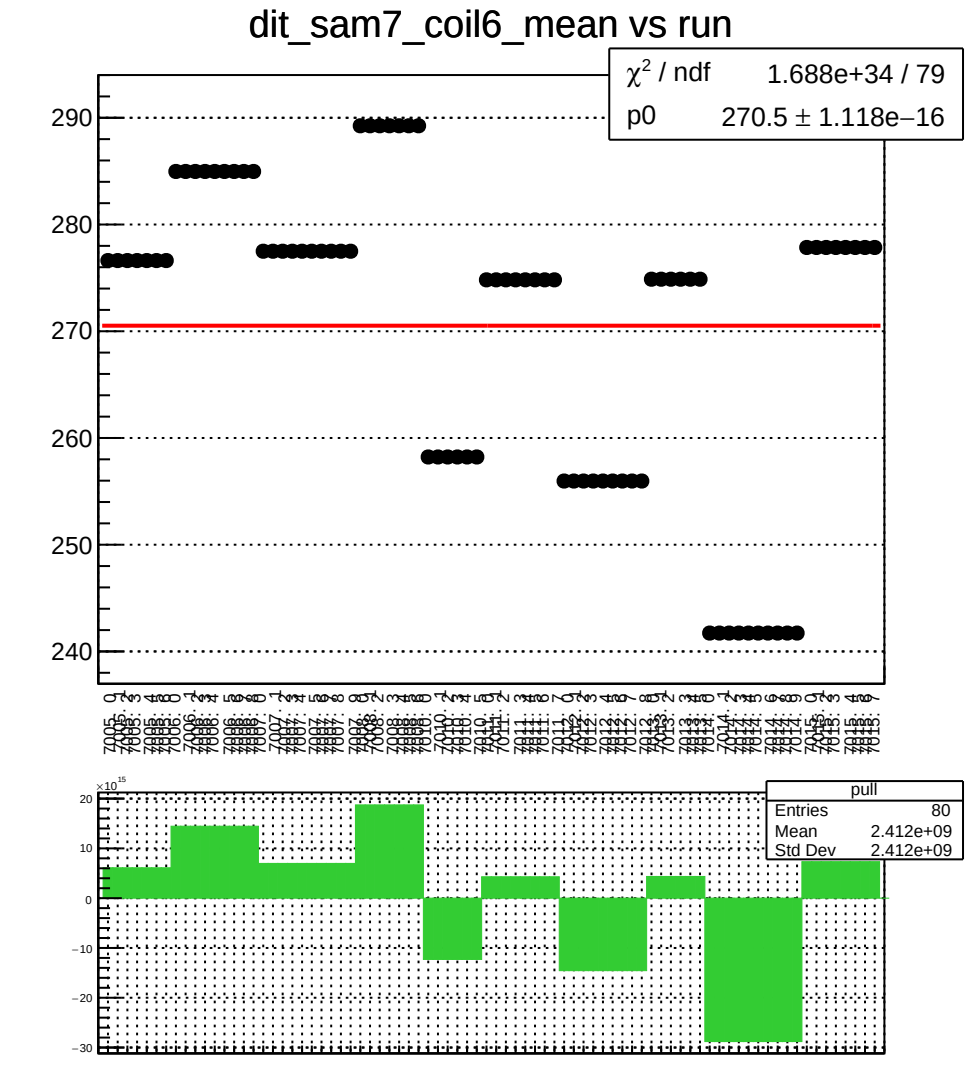

pull1D
Entries 80
Mean 0
Std Dev 0

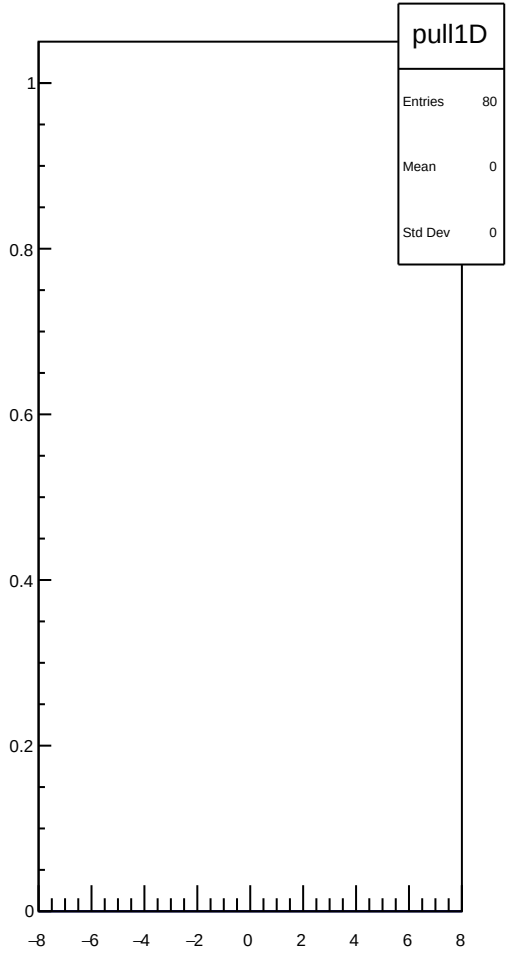

dit_sam6_coil6_err_mean vs run
χ² / ndf 2.255e+34 / 79
p0 69.71± 1.118e−16
100
90
80
70
60
50
pull
Entries 80
Mean −1.845e+09
Std Dev 1.845e+09
×10¹⁵
30
20
10
0
−10
−20

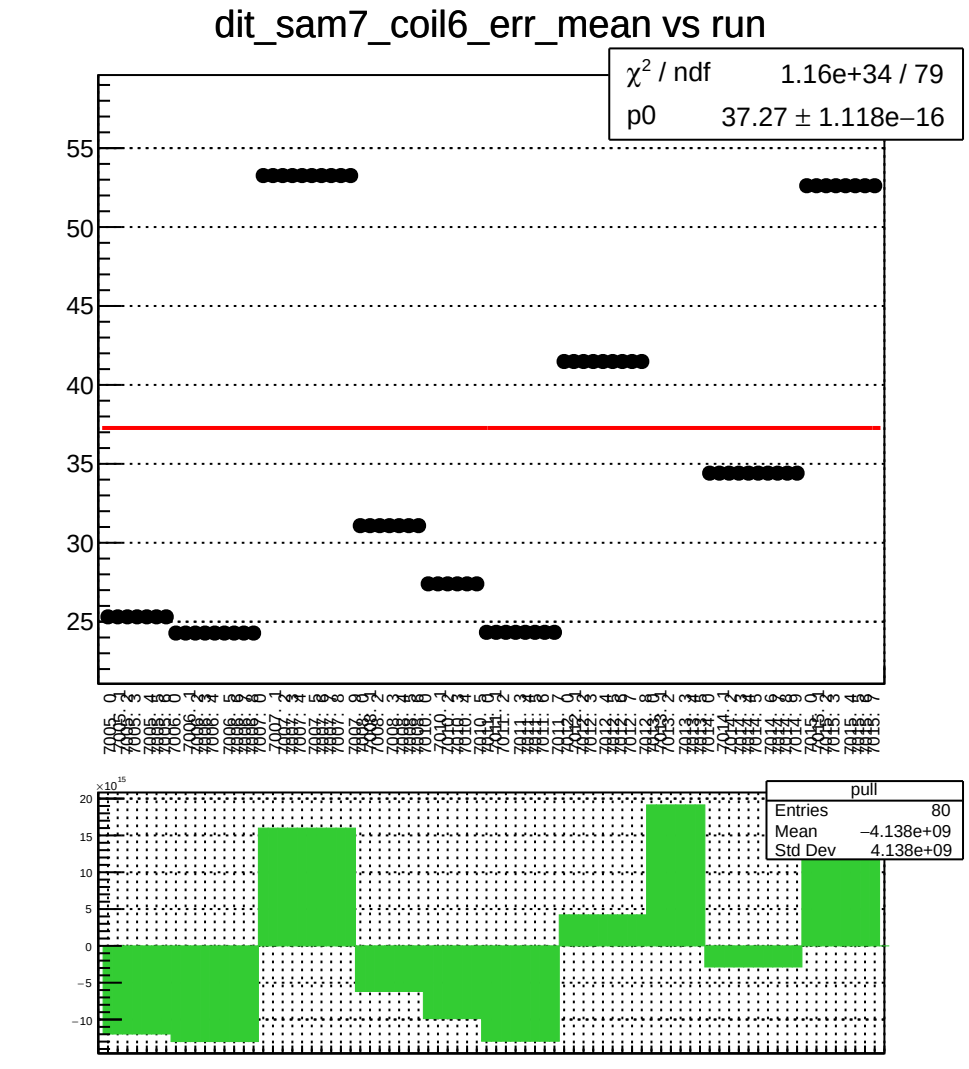

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

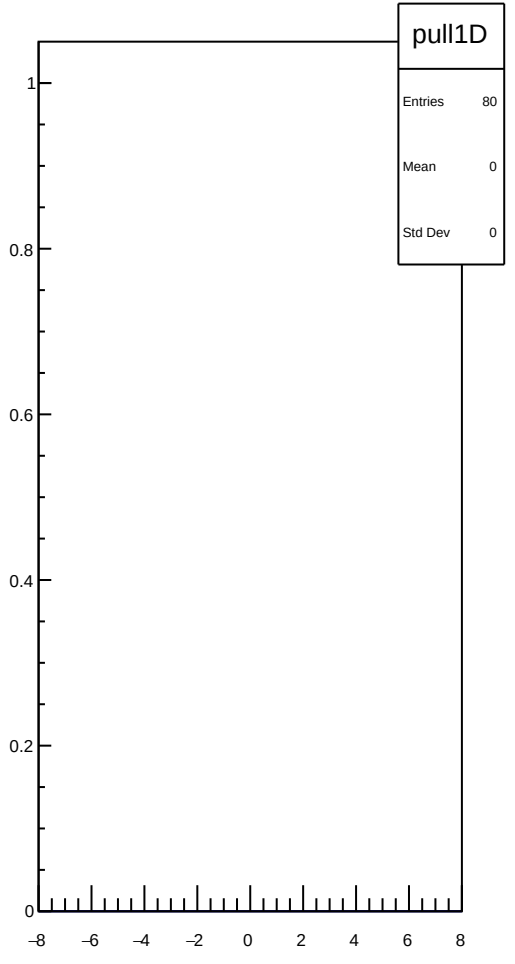

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

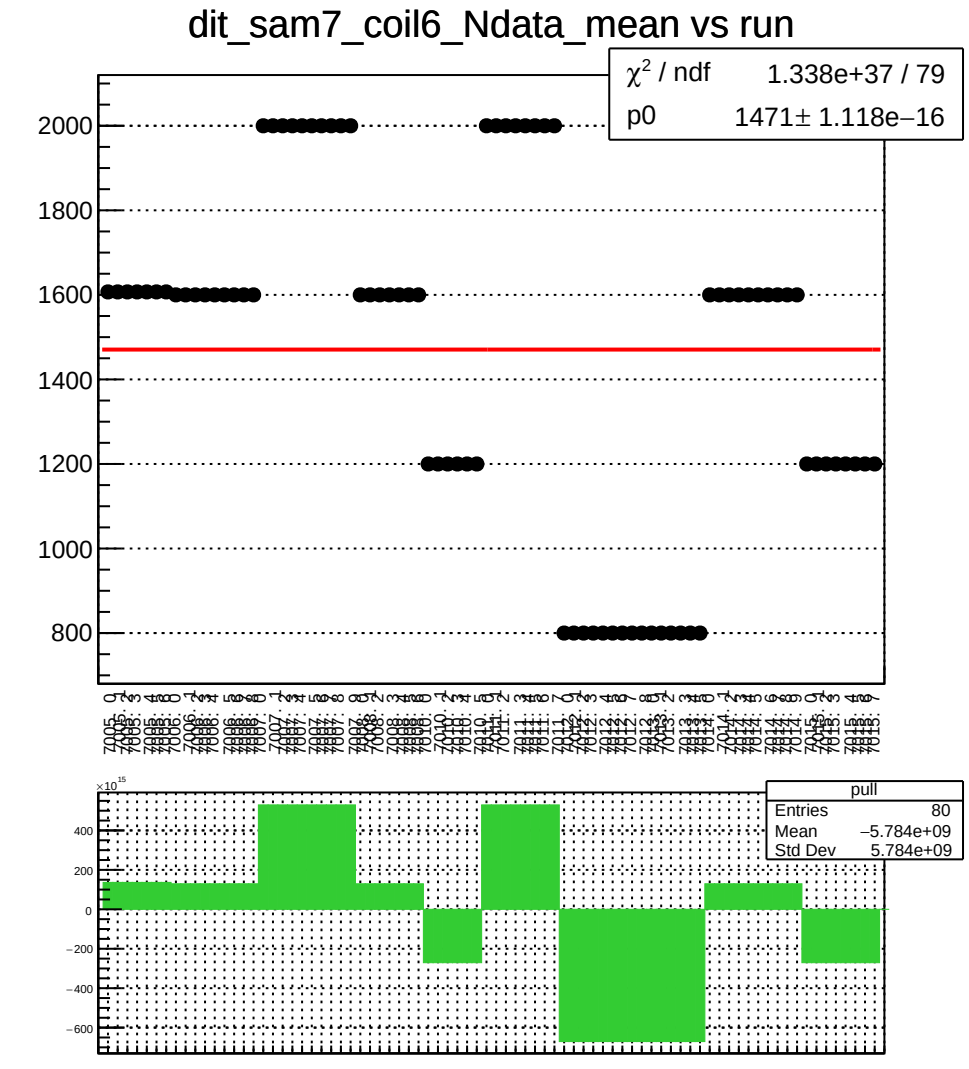

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

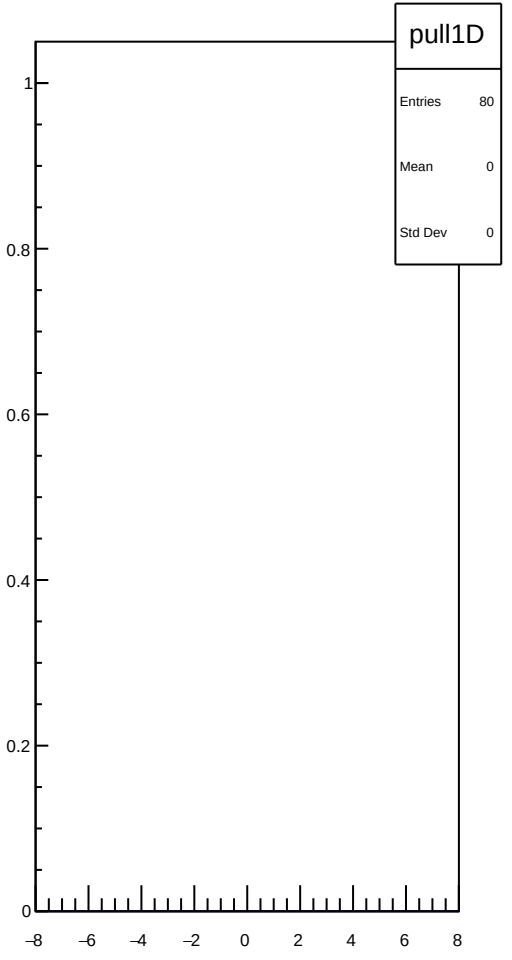

dit_sam7_coil6_mean vs run
χ² / ndf 1.688e+34 / 79
p0 270.5 ± 1.118e−16
290
280
270
260
250
240
×10¹⁵
20
10
0
−10
−20
−30
pull
Entries 80
Mean 2.412e+09
Std Dev 2.412e+09

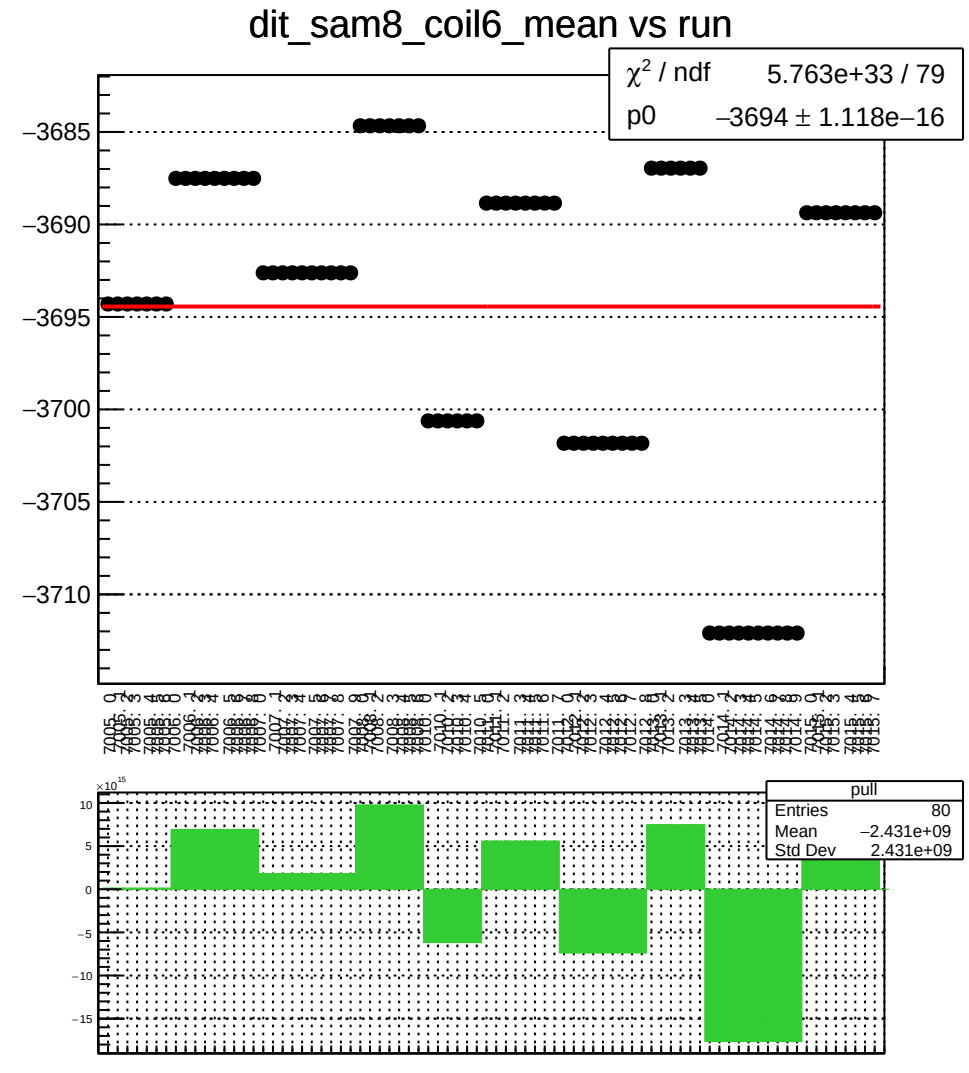

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

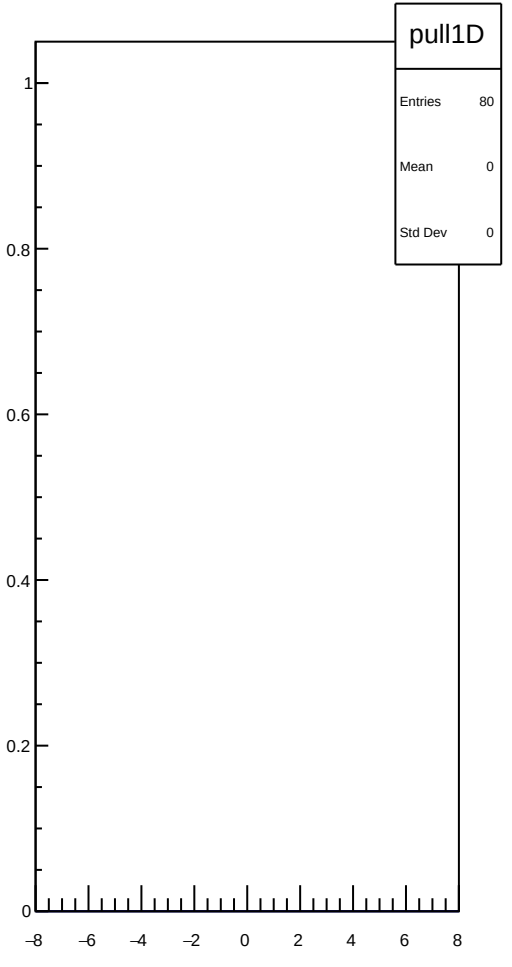

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.16e+34 / 79
p0 37.27 ± 1.118e−16
pull
Entries 80
Mean −4.138e+09
Std Dev 4.138e+09
×10¹⁵

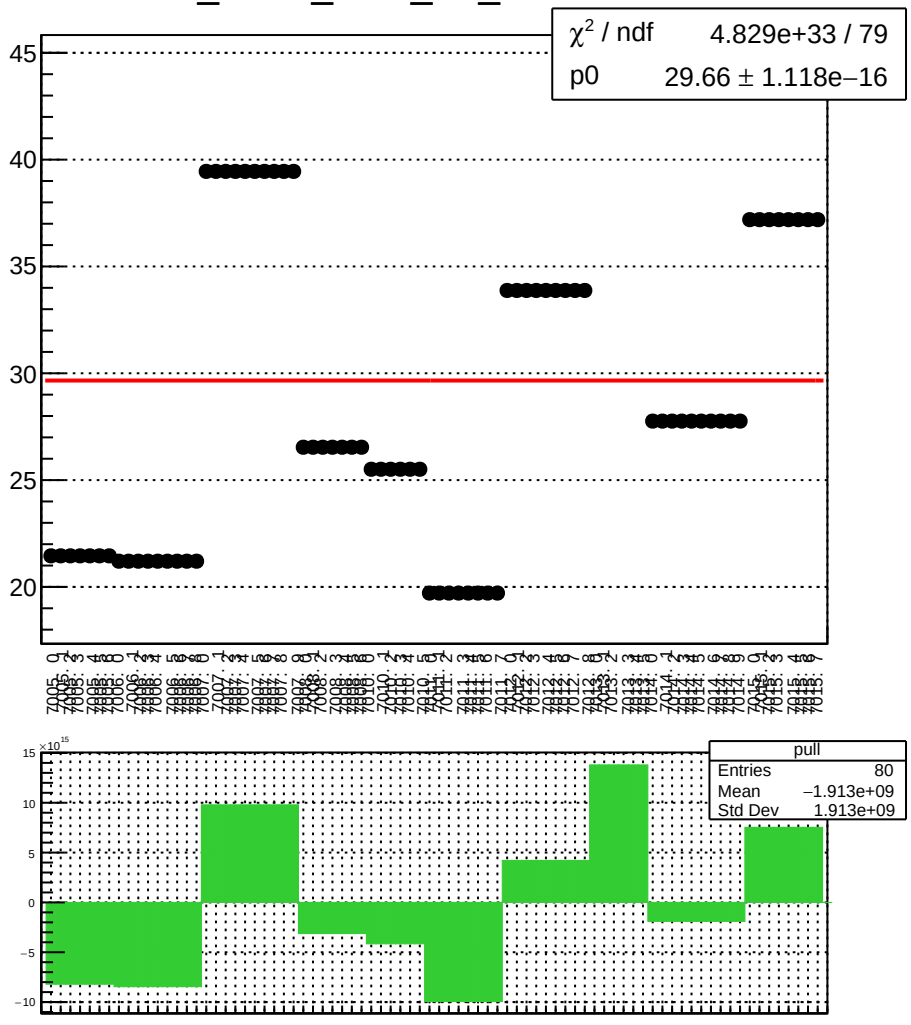

pull1D
Entries 80
Mean 0
Std Dev 0

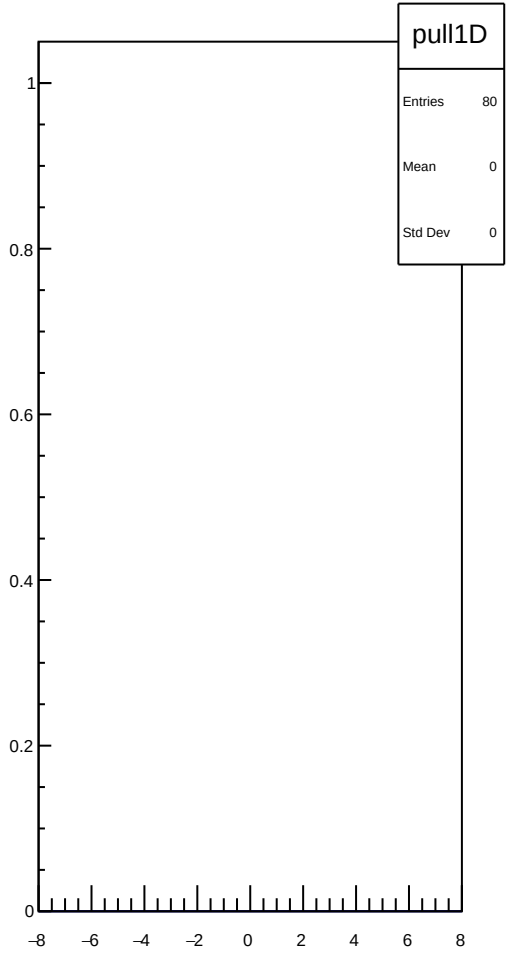

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

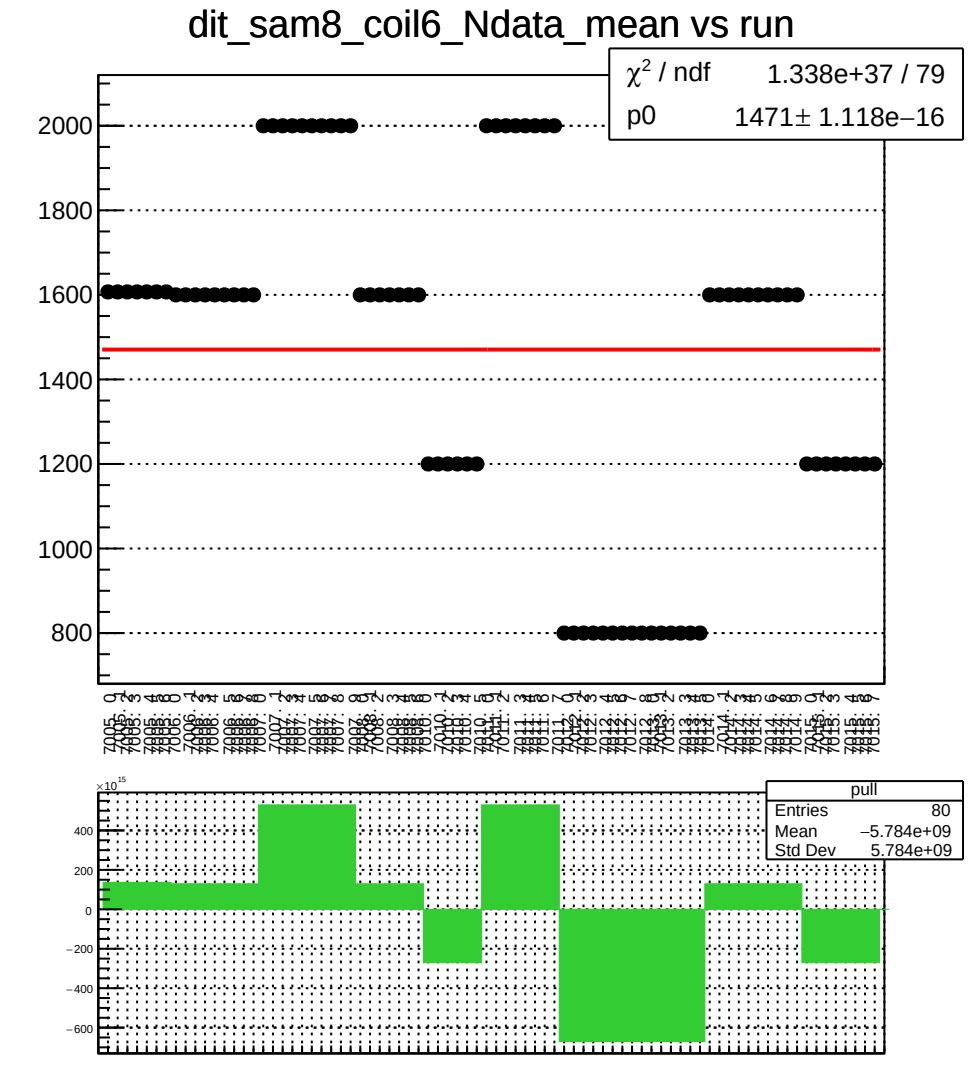

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

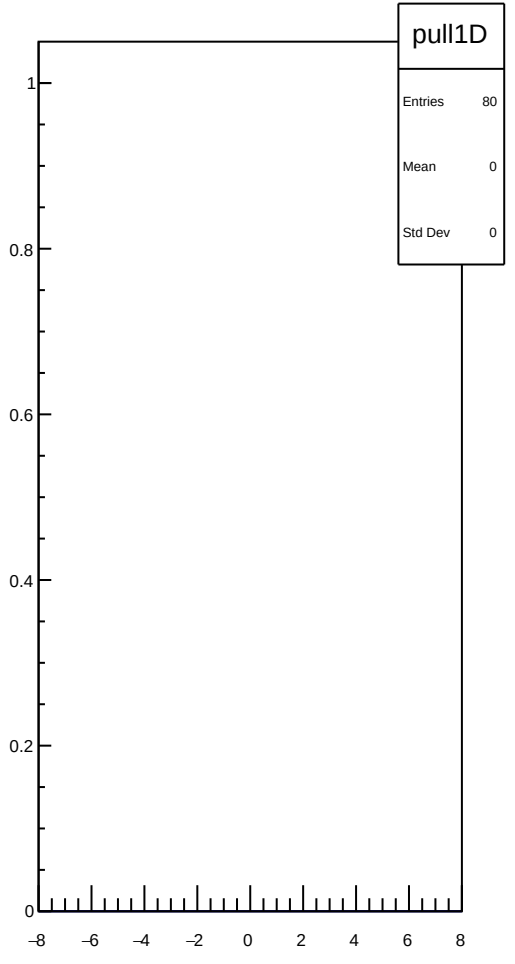

dit_sam8_coil6_mean vs run
χ² / ndf 5.763e+33 / 79
p0 −3694 ± 1.118e−16
−3685
−3690
−3695
−3700
−3705
−3710
pull
Entries 80
Mean −2.431e+09
Std Dev 2.431e+09
×10¹⁵
10
5
0
−5
−10
−15

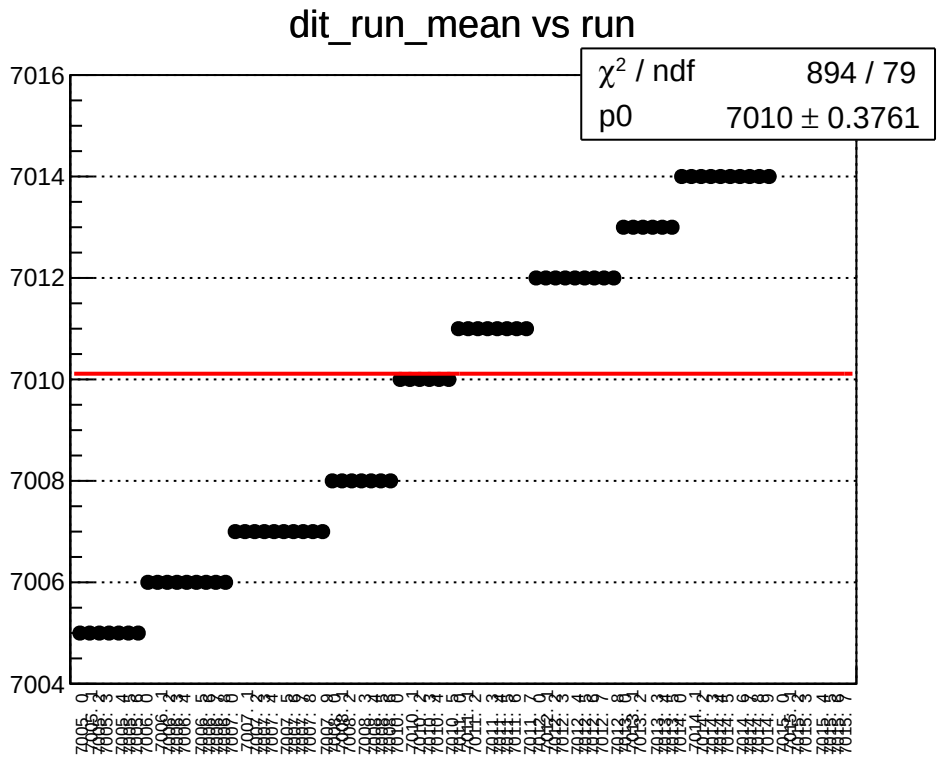

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

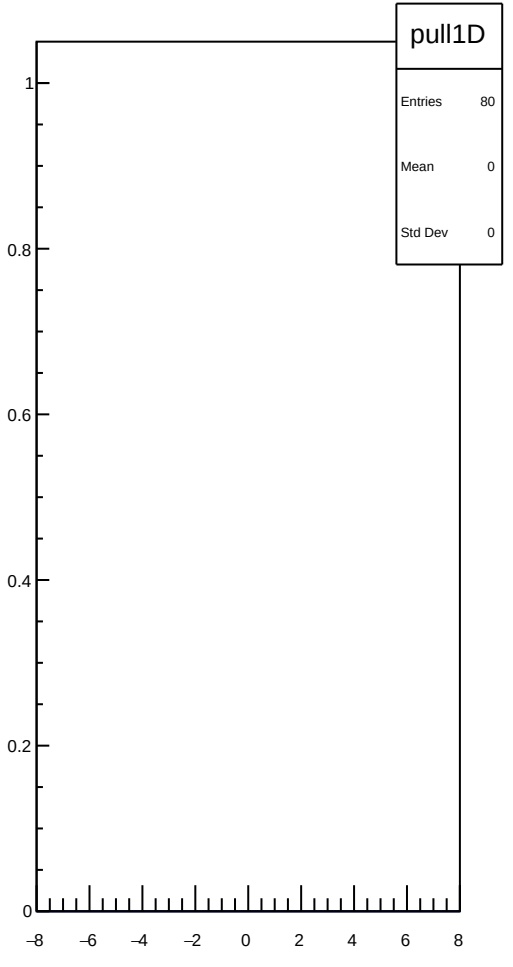

dit_sam8_coil6_err_mean vs run
χ² / ndf 4.829e+33 / 79
p0 29.66 ± 1.118e−16
pull
Entries 80
Mean −1.913e+09
Std Dev 1.913e+09

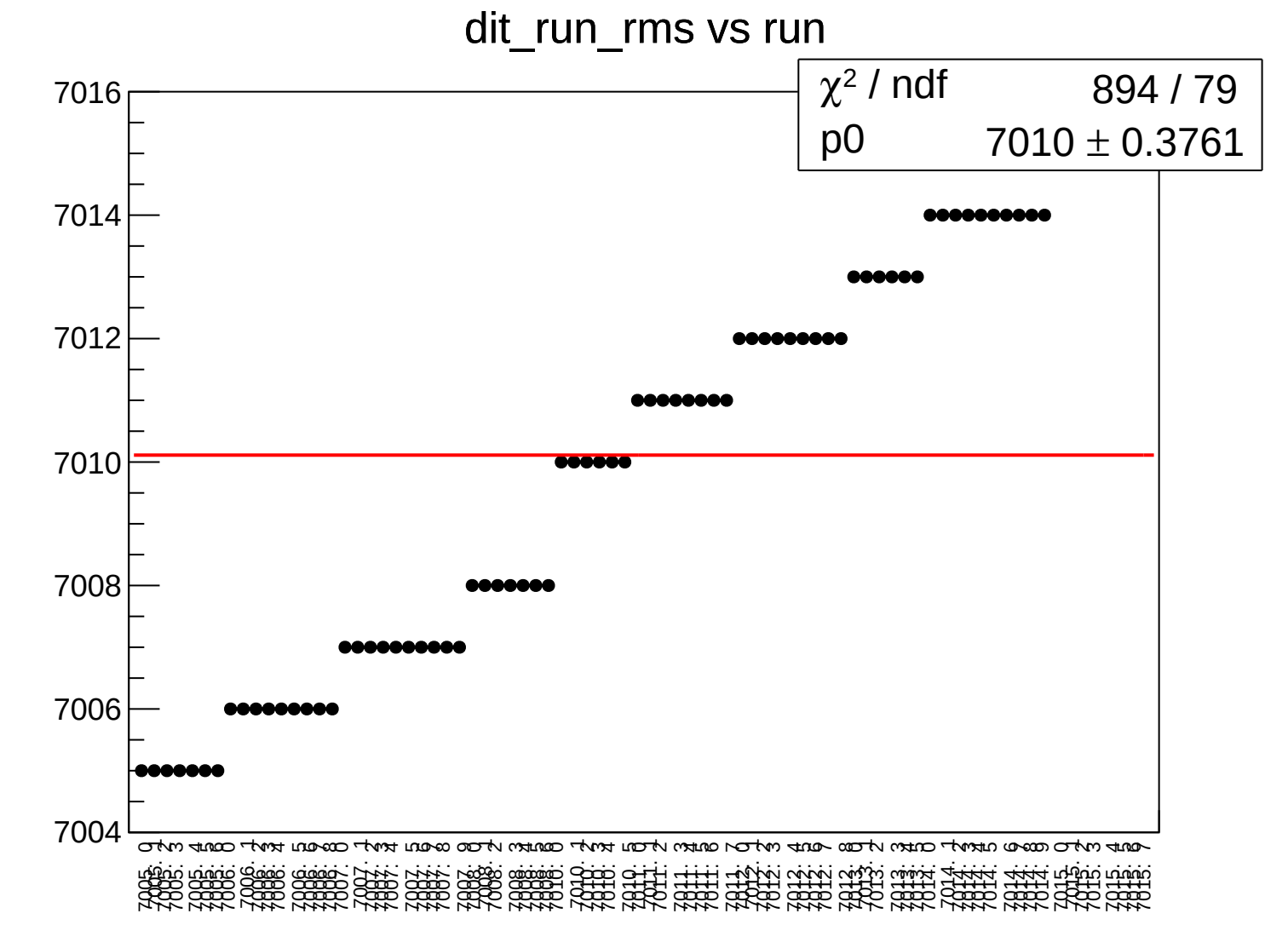

pull1D
Entries 80
Mean 0
Std Dev 0

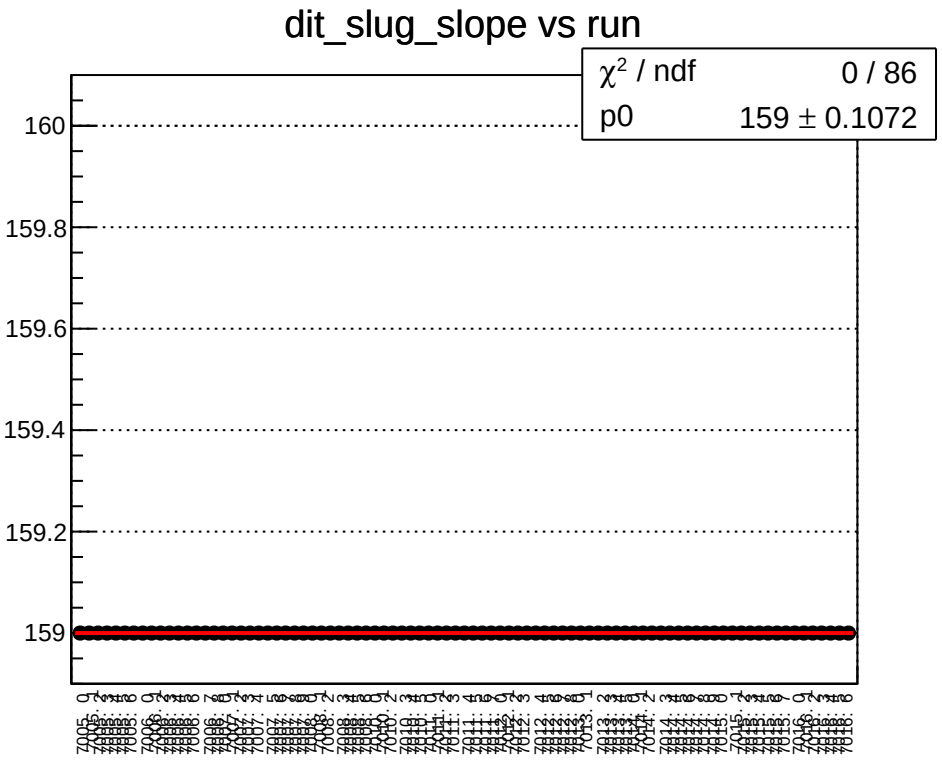

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09

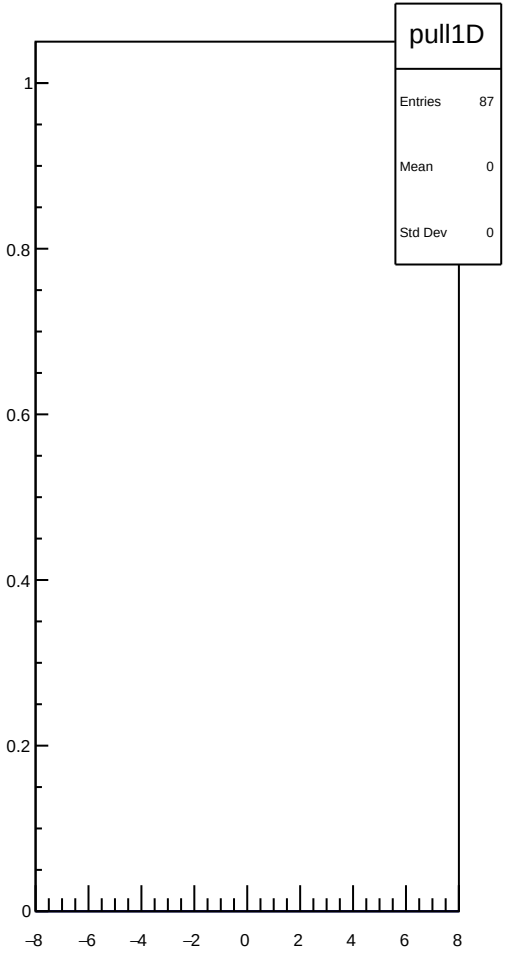

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

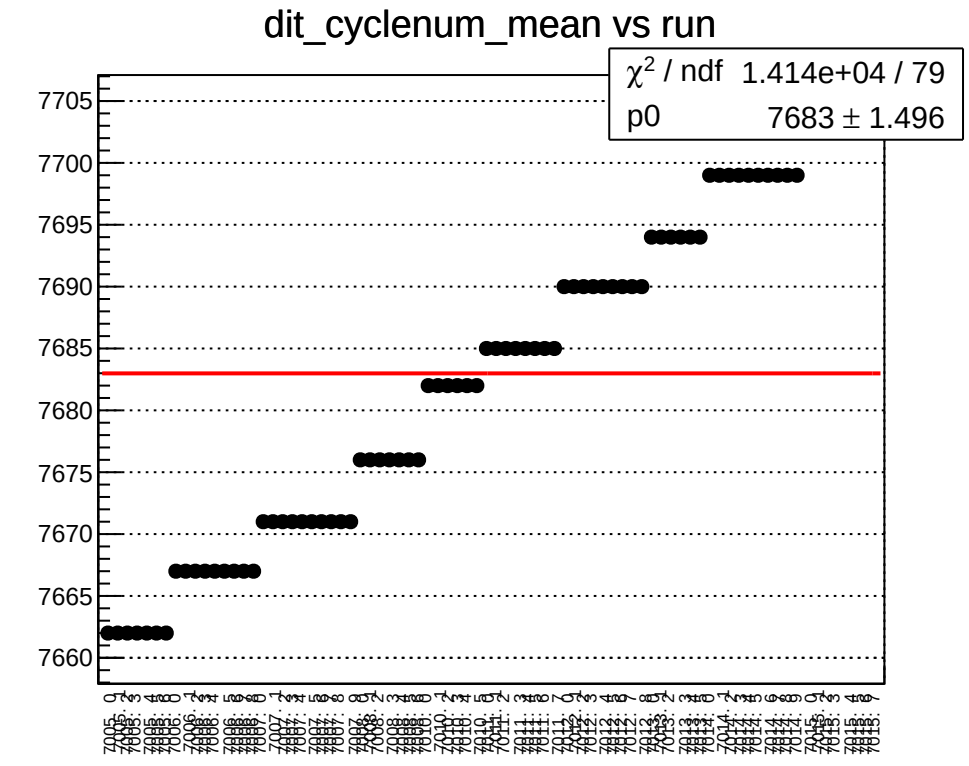

dit_run_mean vs run
χ^2 / ndf 894 / 79
p0 7010 ± 0.3761
7016
7014
7012
7010
7008
7006
7004

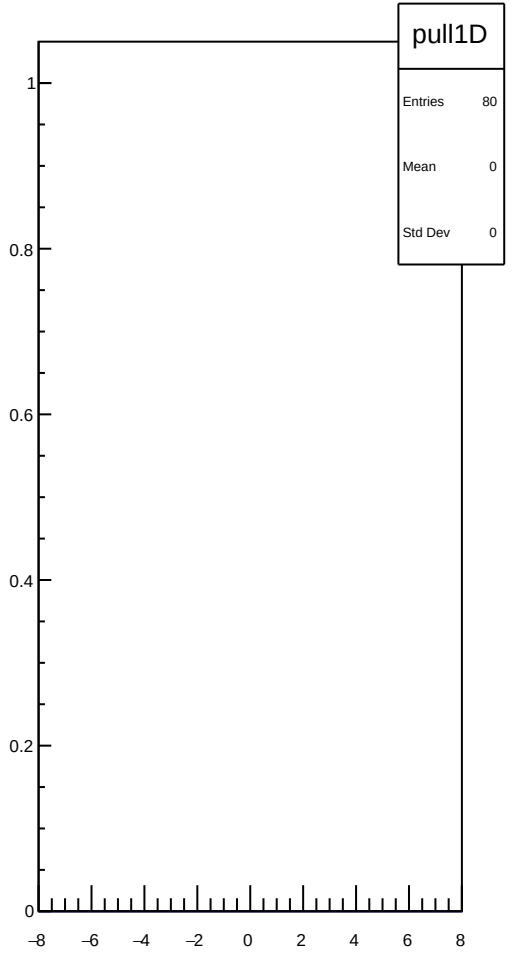

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

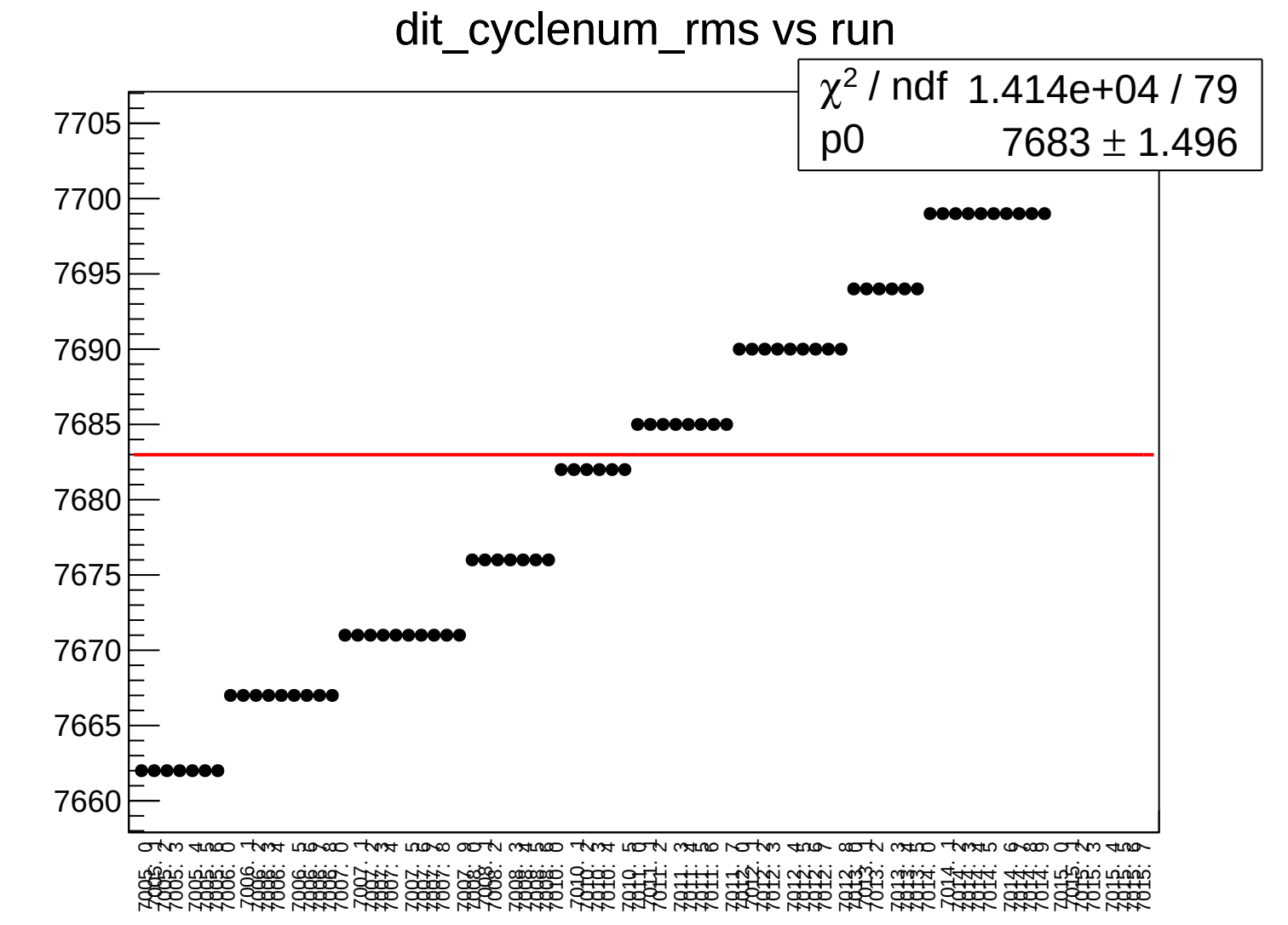

dit_run_rms vs run
χ² / ndf 894 / 79
p0 7010 ± 0.3761
7016
7014
7012
7010
7008
7006
7004

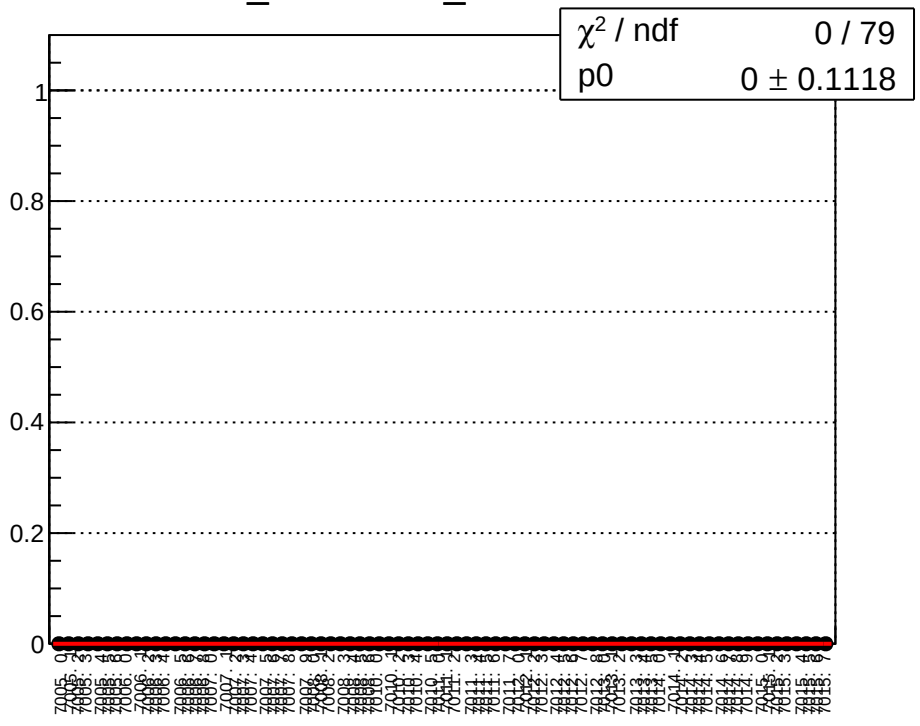

dit_slug_slope vs run
χ² / ndf 0 / 86
p0 159 ± 0.1072
160
159.8
159.6
159.4
159.2
159

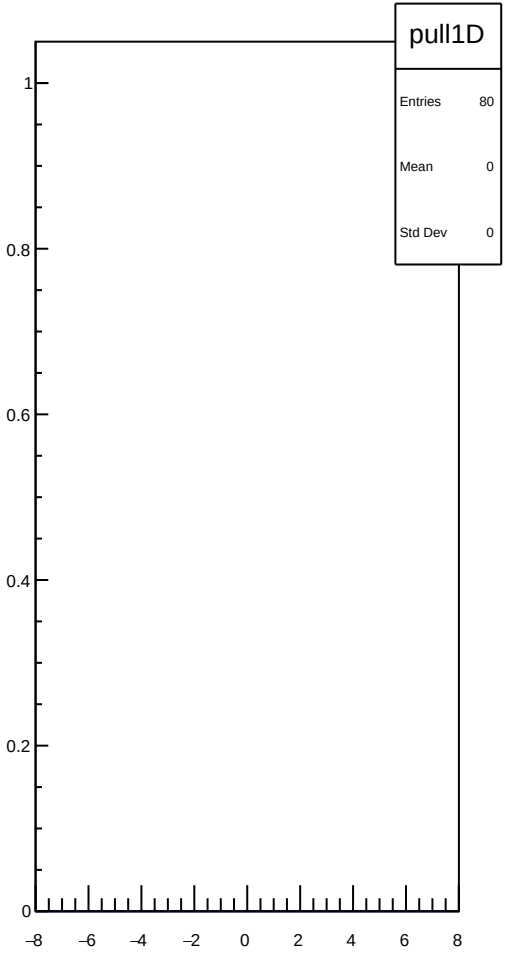

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

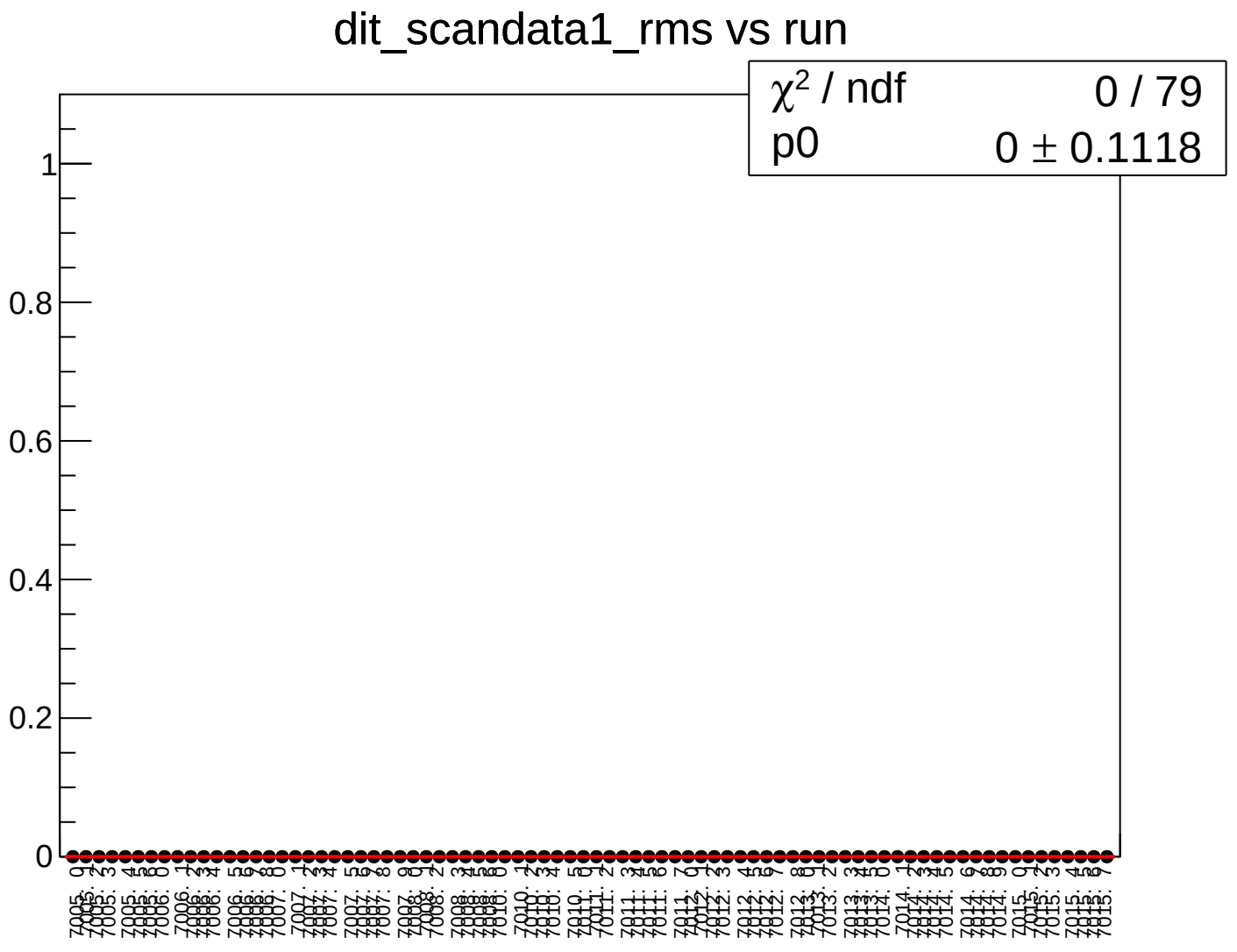

dit_cyclenum_mean vs run
χ² / ndf 1.414e+04 / 79
p0 7683 ± 1.496
7705
7700
7695
7690
7685
7680
7675
7670
7665
7660

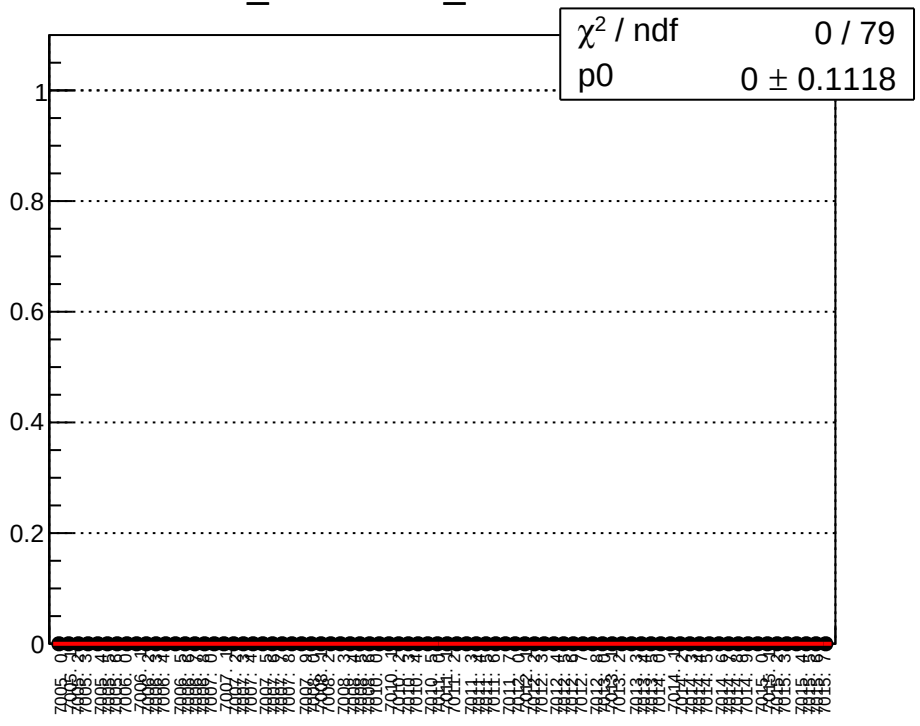

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

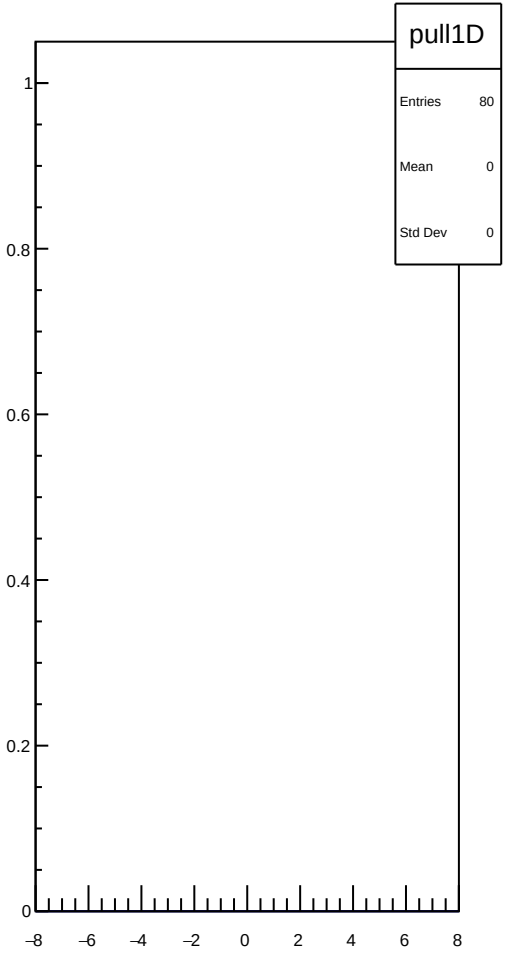

dit_cyclenum_rms vs run
χ² / ndf 1.414e+04 / 79
p0 7683 ± 1.496
7705
7700
7695
7690
7685
7680
7675
7670
7665
7660

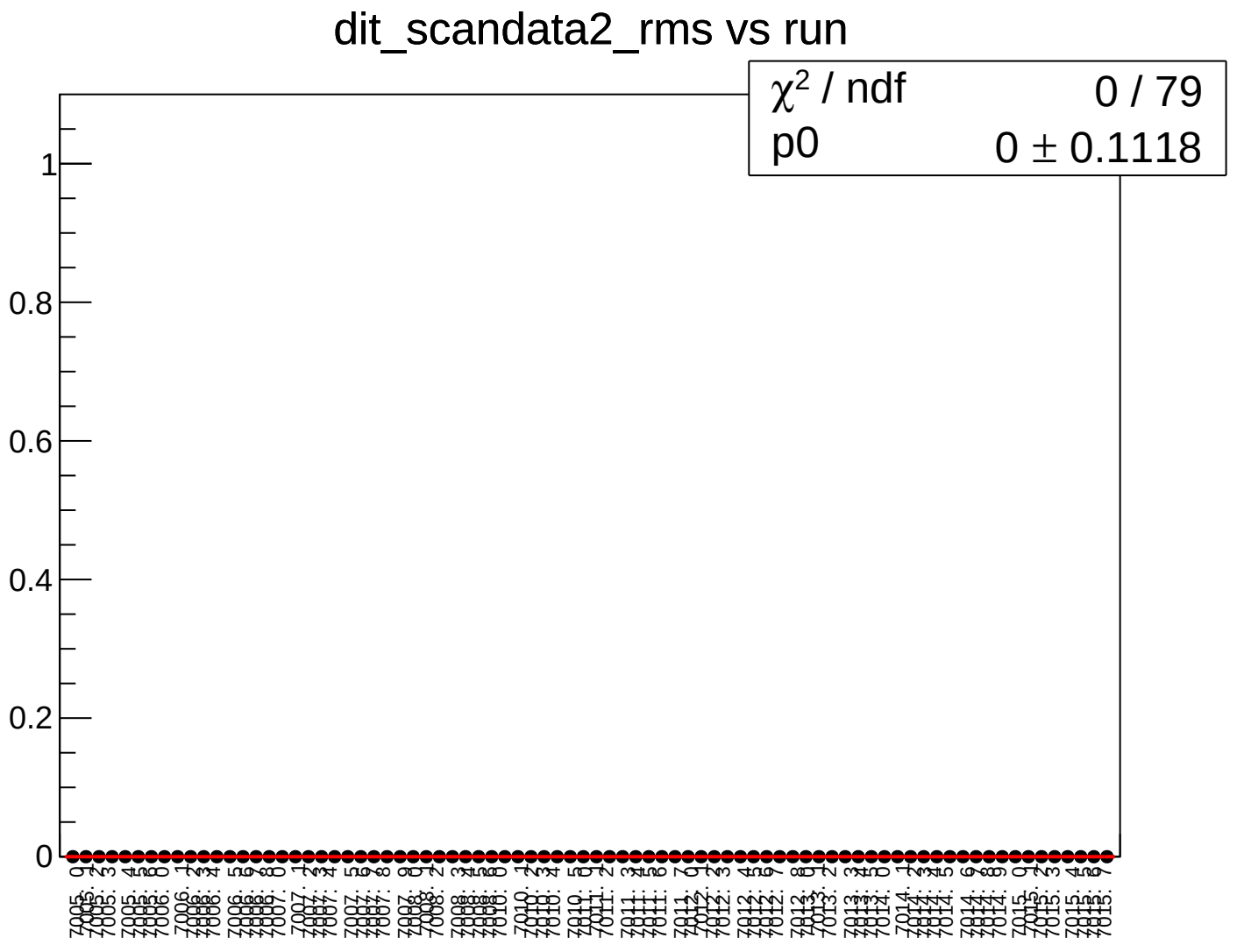

dit_scandata1_mean vs run
χ² / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0

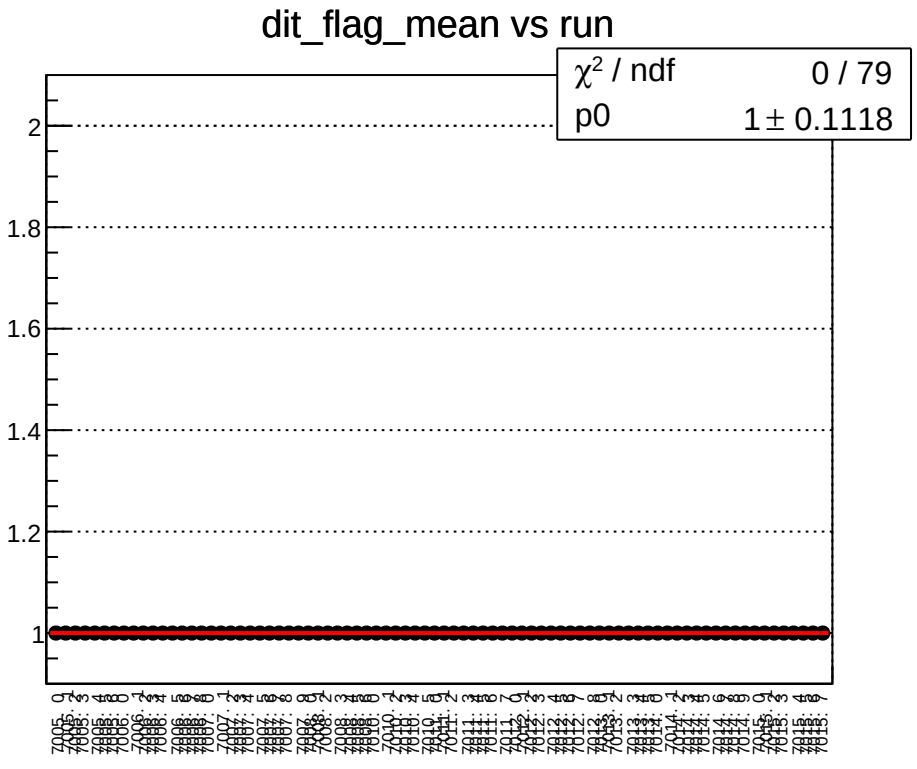

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

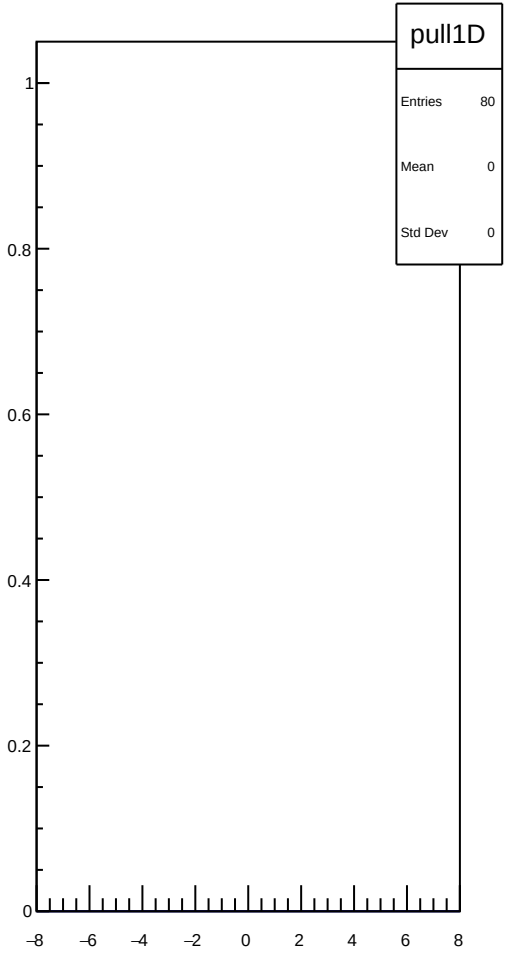

dit_scandata1_rms vs run
χ² / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0

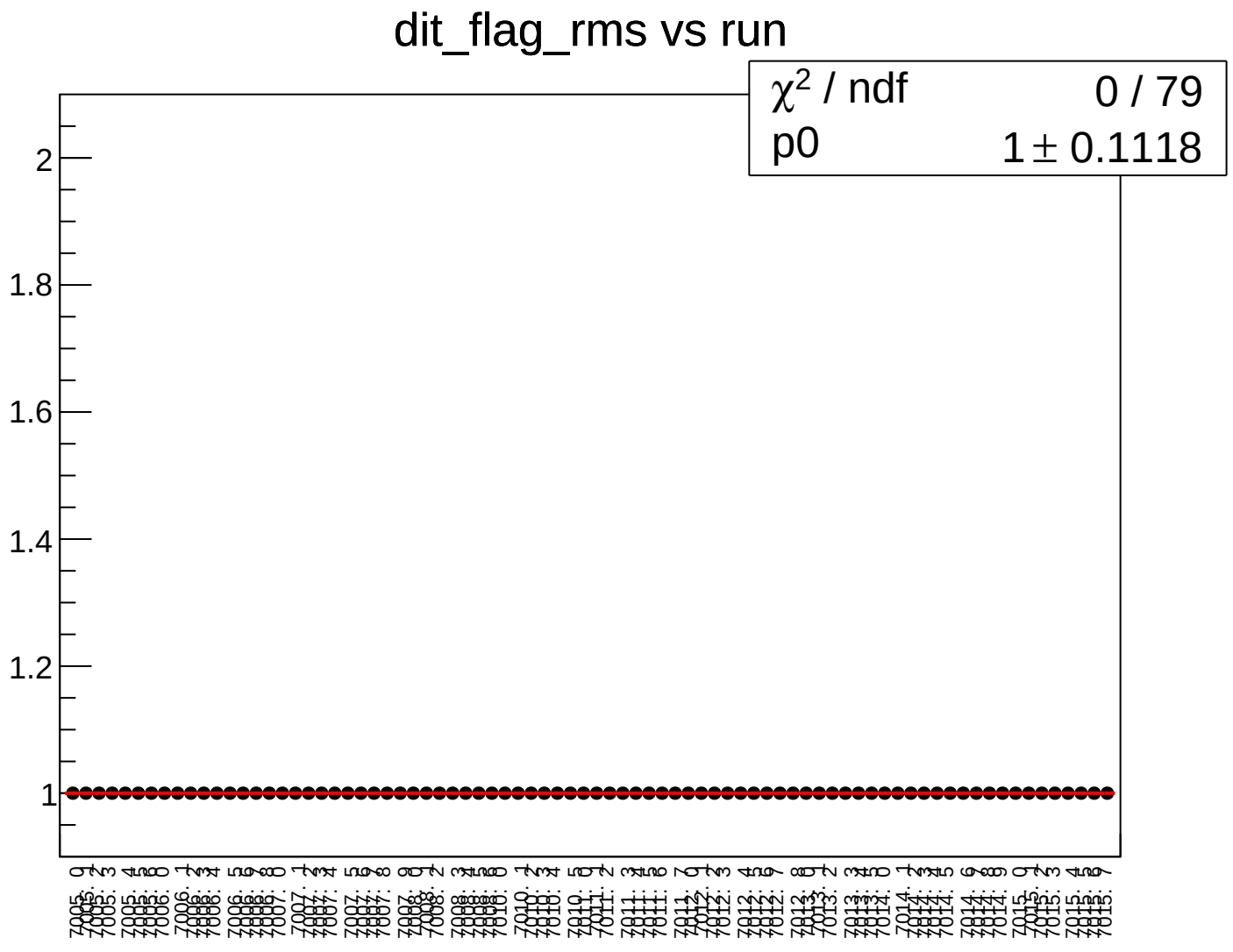

dit_scandata2_mean vs run
χ² / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0

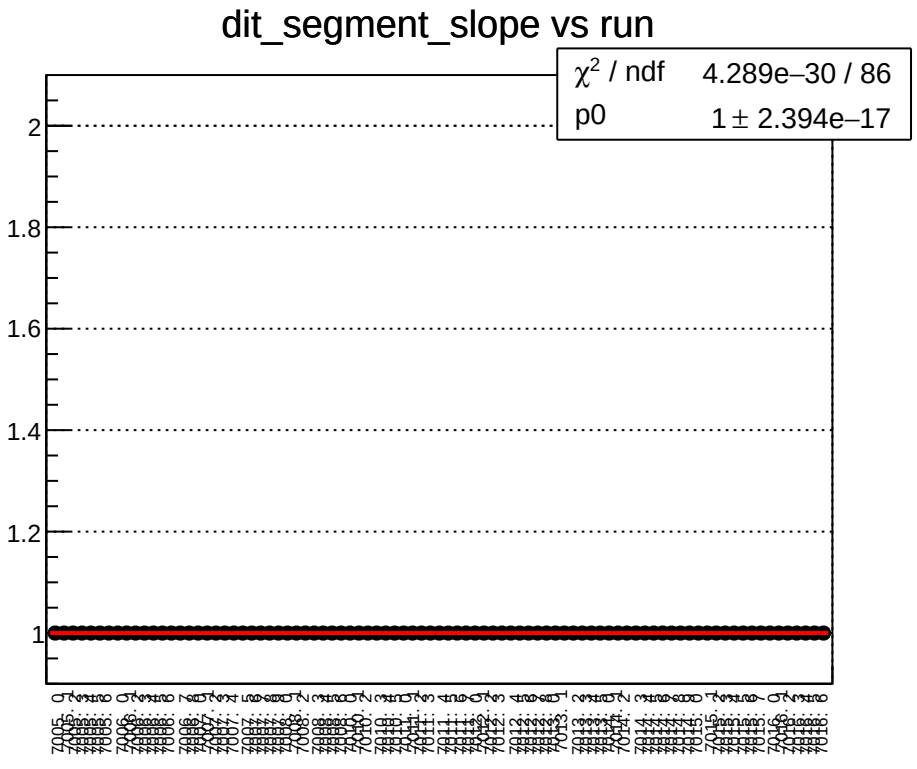

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

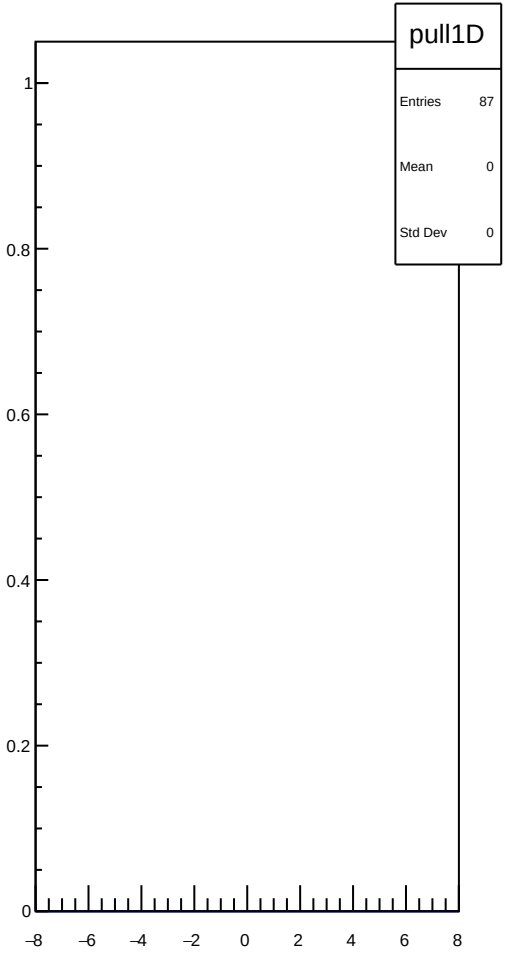

dit_scandata2_rms vs run
χ² / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0

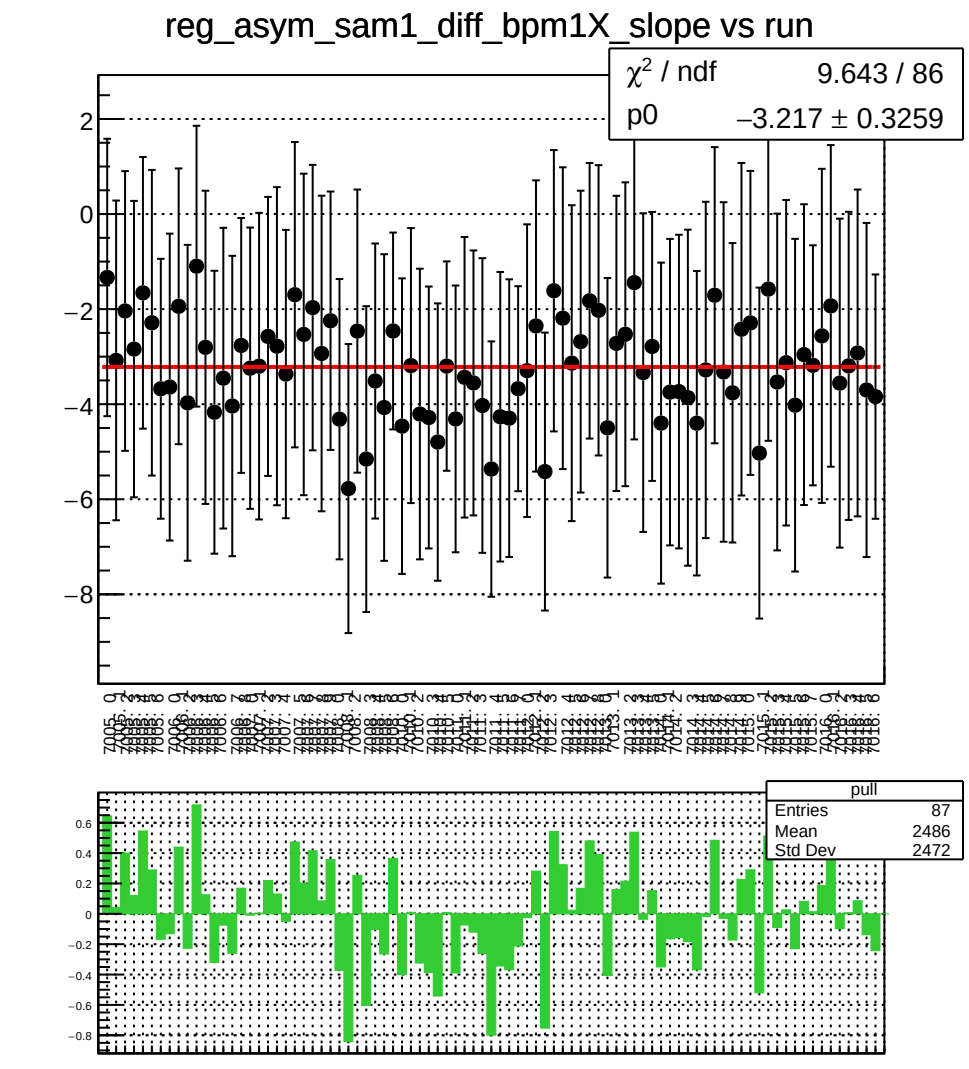

dit_flag_mean vs run
χ² / ndf 0 / 79
p0 1 ± 0.1118
2
1.8
1.6
1.4
1.2
1

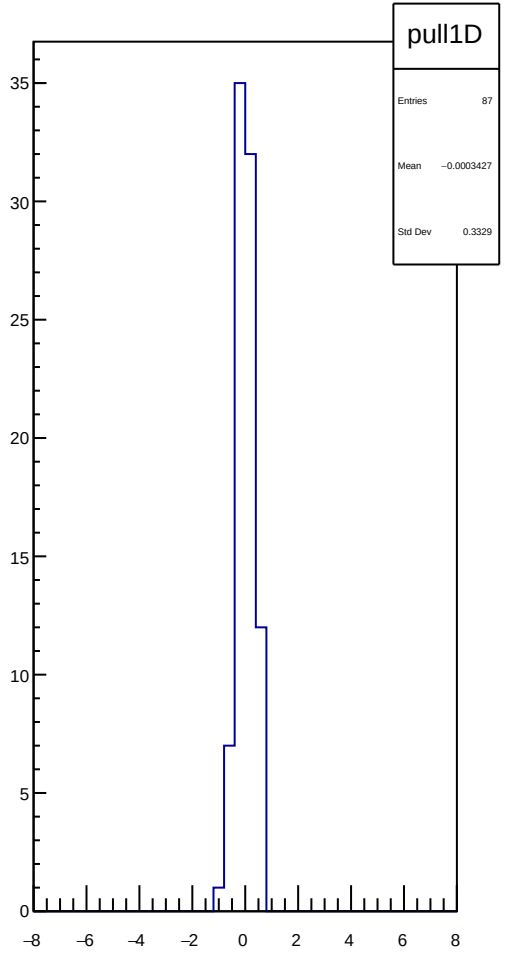

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

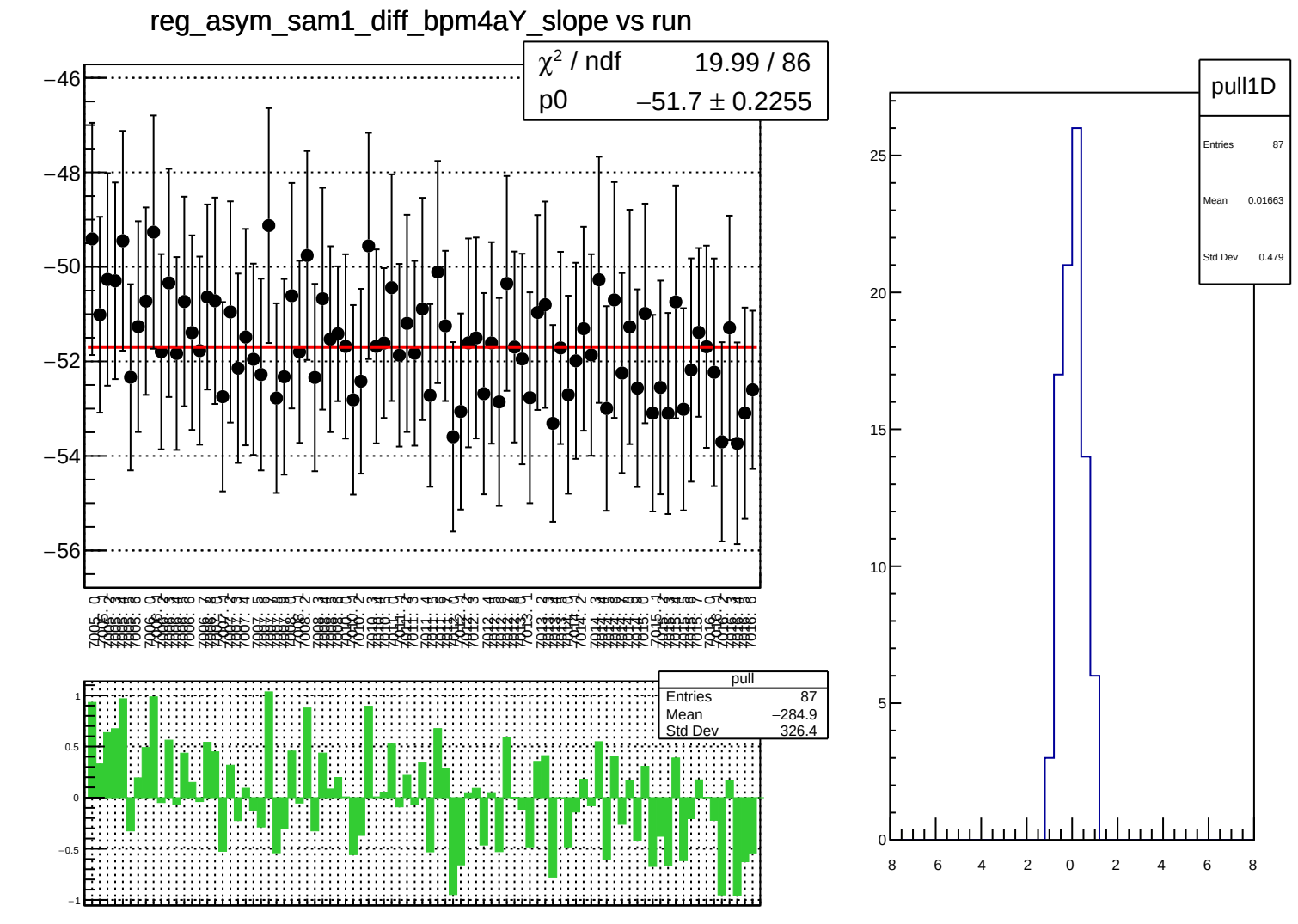

dit_flag_rms vs run
χ² / ndf 0 / 79
p0 1 ± 0.1118
2
1.8
1.6
1.4
1.2
1

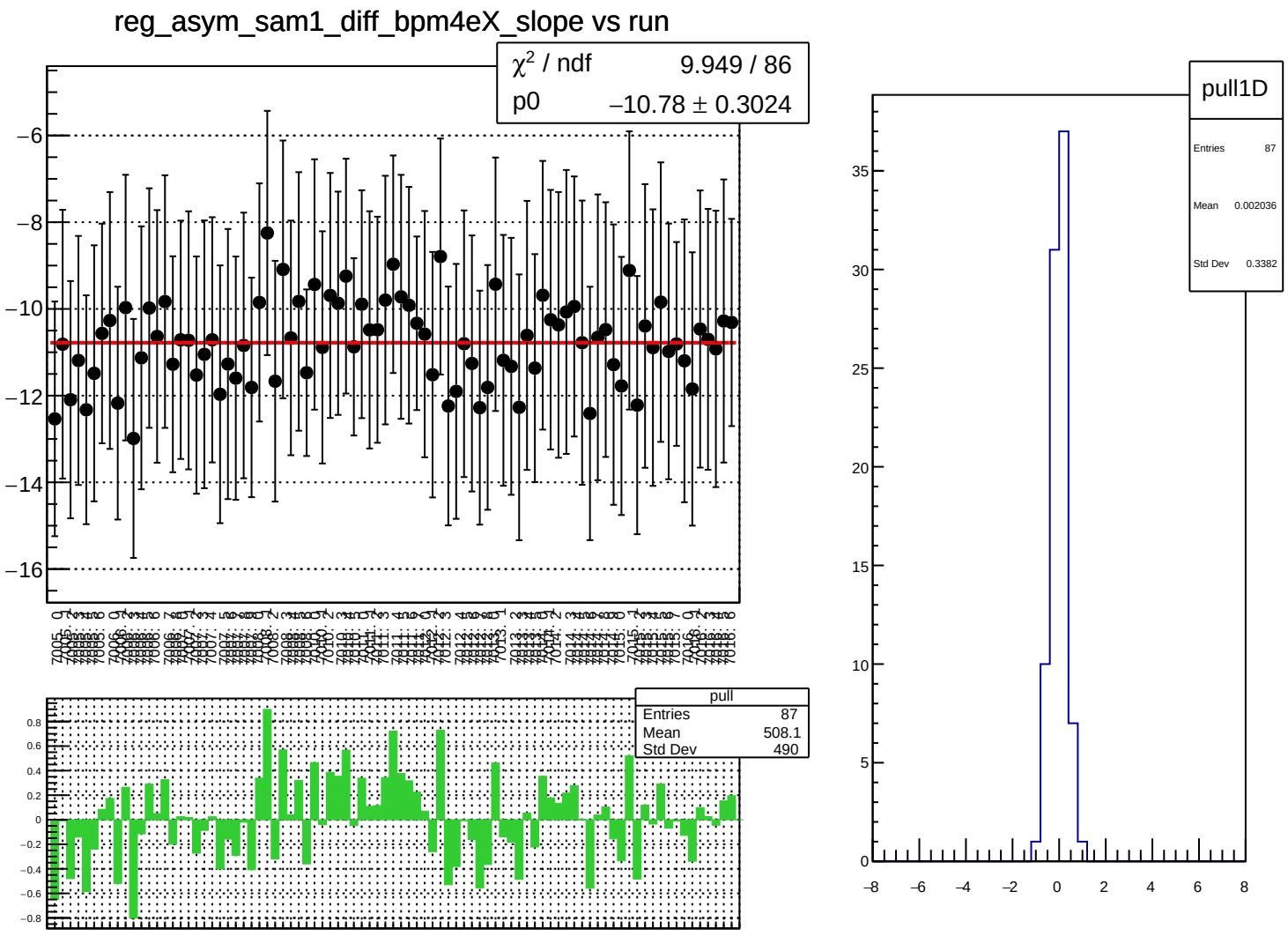

dit_segment_slope vs run
χ^2 / ndf 4.289e−30 / 86
p0 1 ± 2.394e−17
2
1.8
1.6
1.4
1.2
1

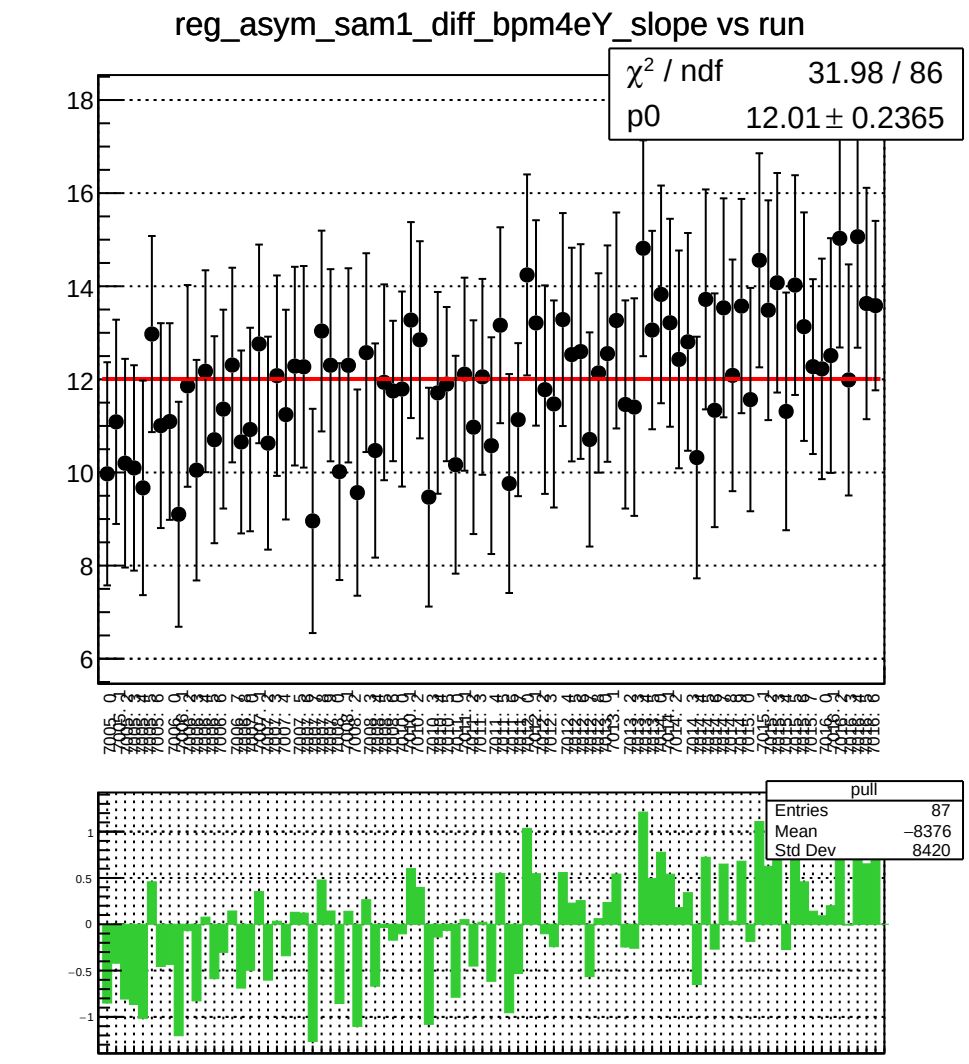

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

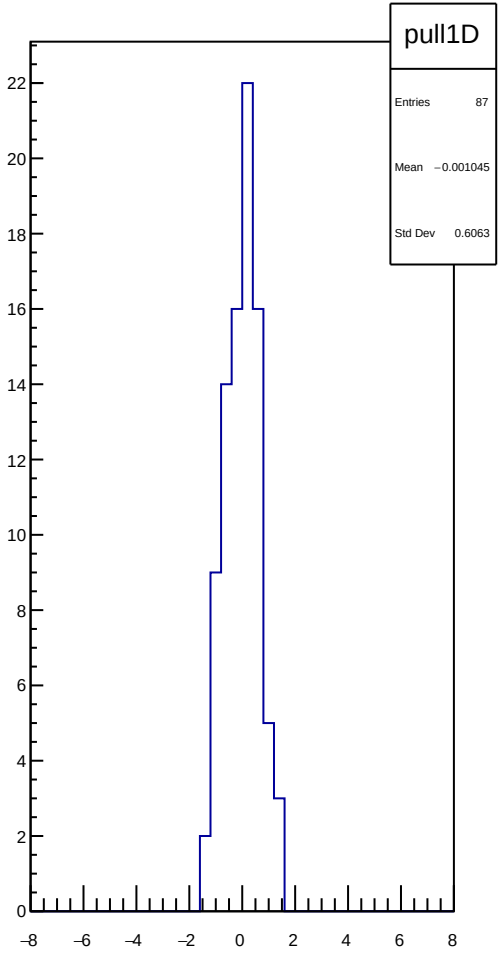

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 9.643 / 86
p0 −3.217 ± 0.3259
pull
Entries 87
Mean 2486
Std Dev 2472

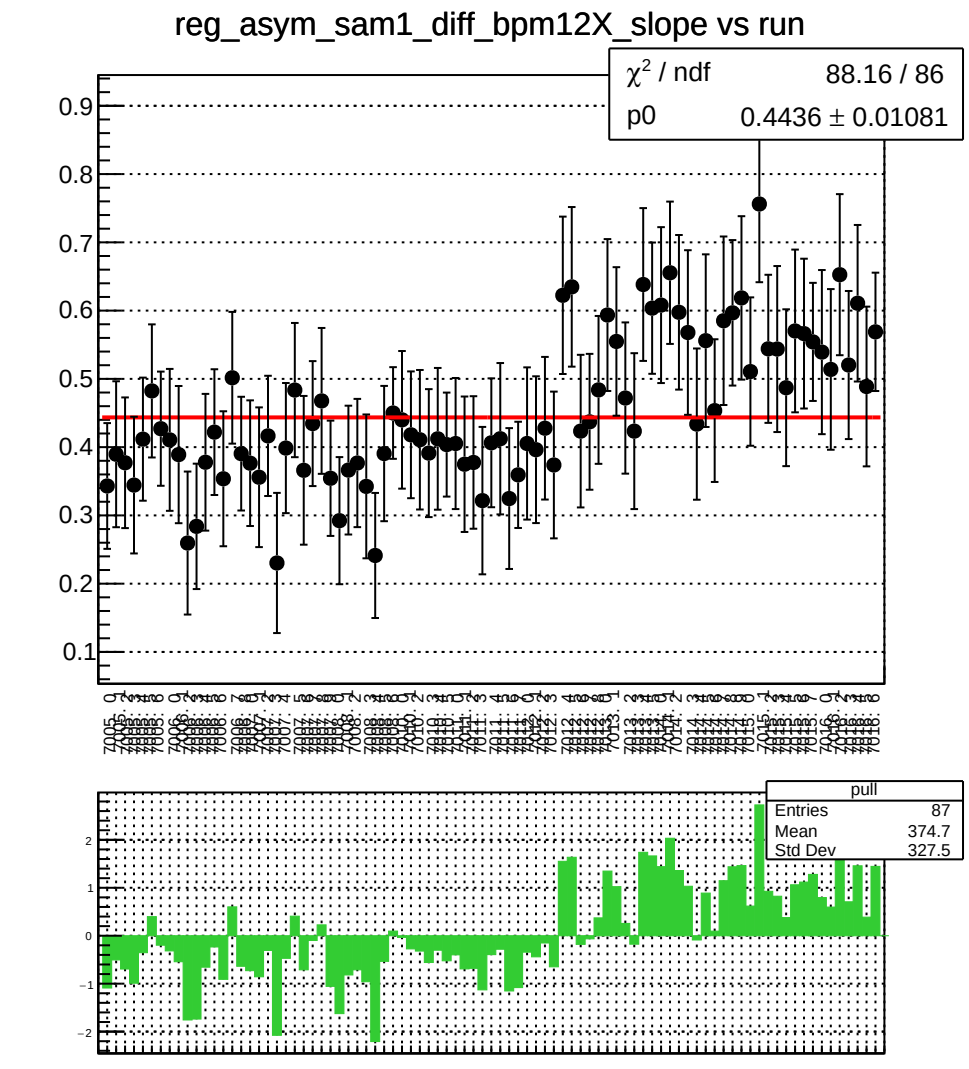

pull1D
Entries 87
Mean −0.0003427
Std Dev 0.3329

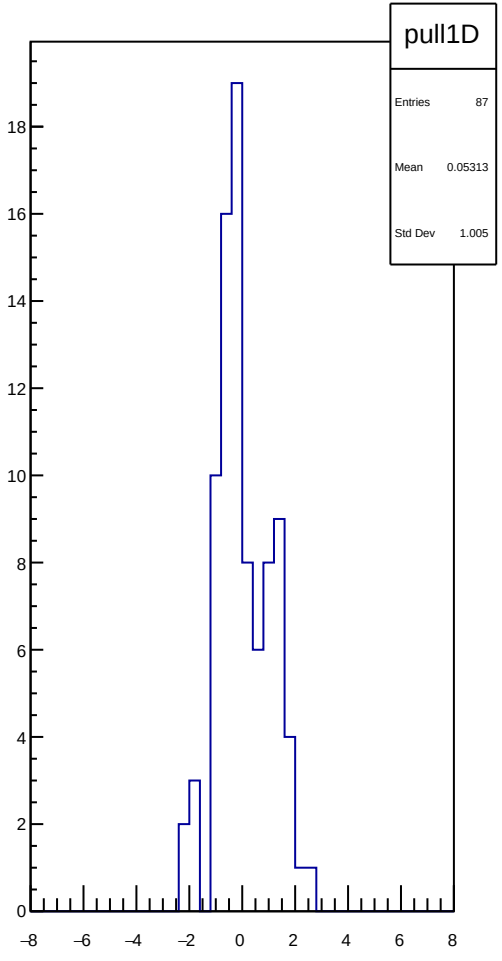

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 19.99 / 86
p0 −51.7 ± 0.2255
−46
−48
−50
−52
−54
−56
pull
Entries 87
Mean −284.9
Std Dev 326.4
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.01663
Std Dev 0.479
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

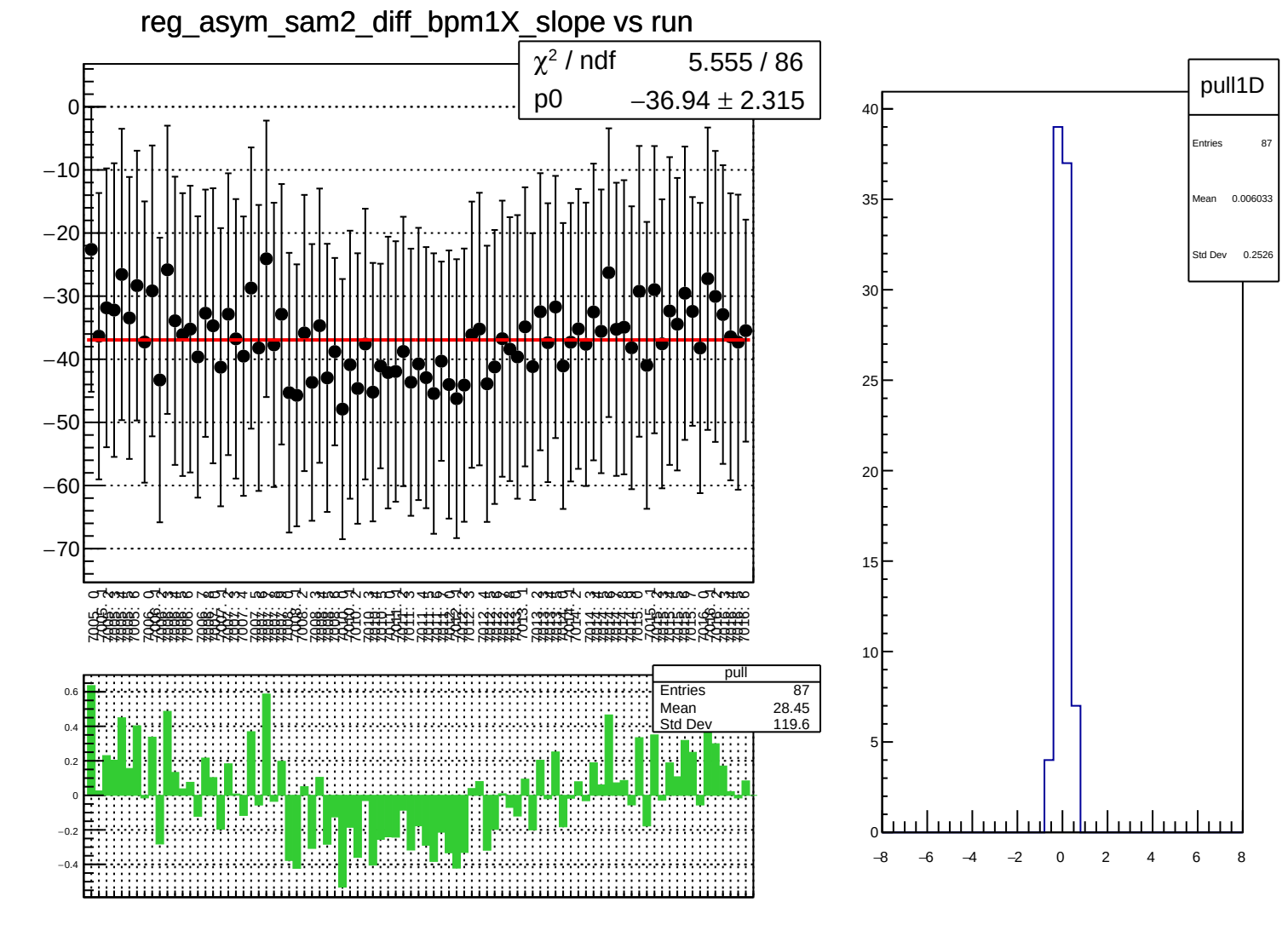

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 9.949 / 86
p0 −10.78 ± 0.3024
pull
Entries 87
Mean 508.1
Std Dev 490
pull1D
Entries 87
Mean 0.002036
Std Dev 0.3382

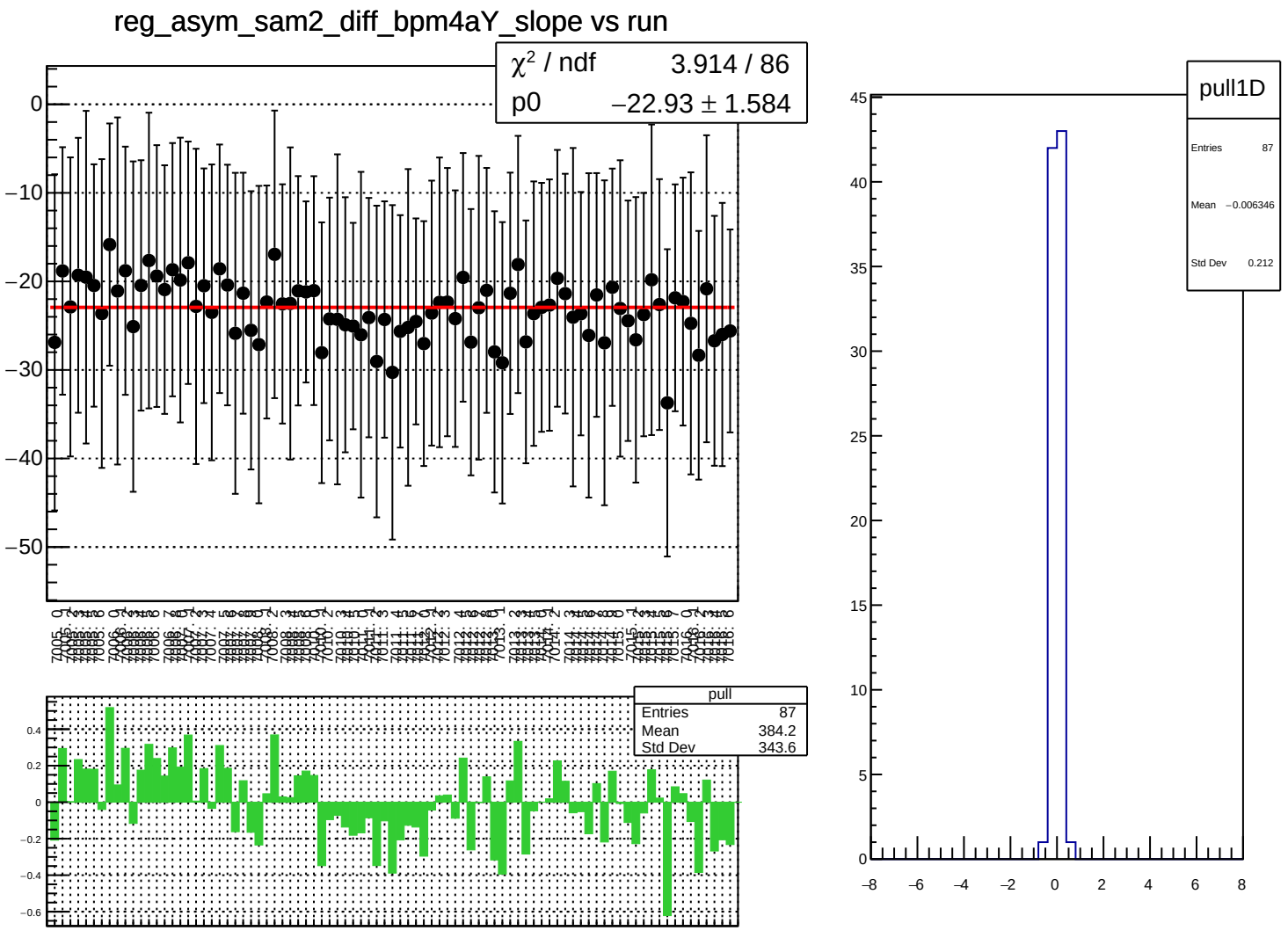

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 31.98 / 86
p0 12.01 ± 0.2365
pull
Entries 87
Mean −8376
Std Dev 8420

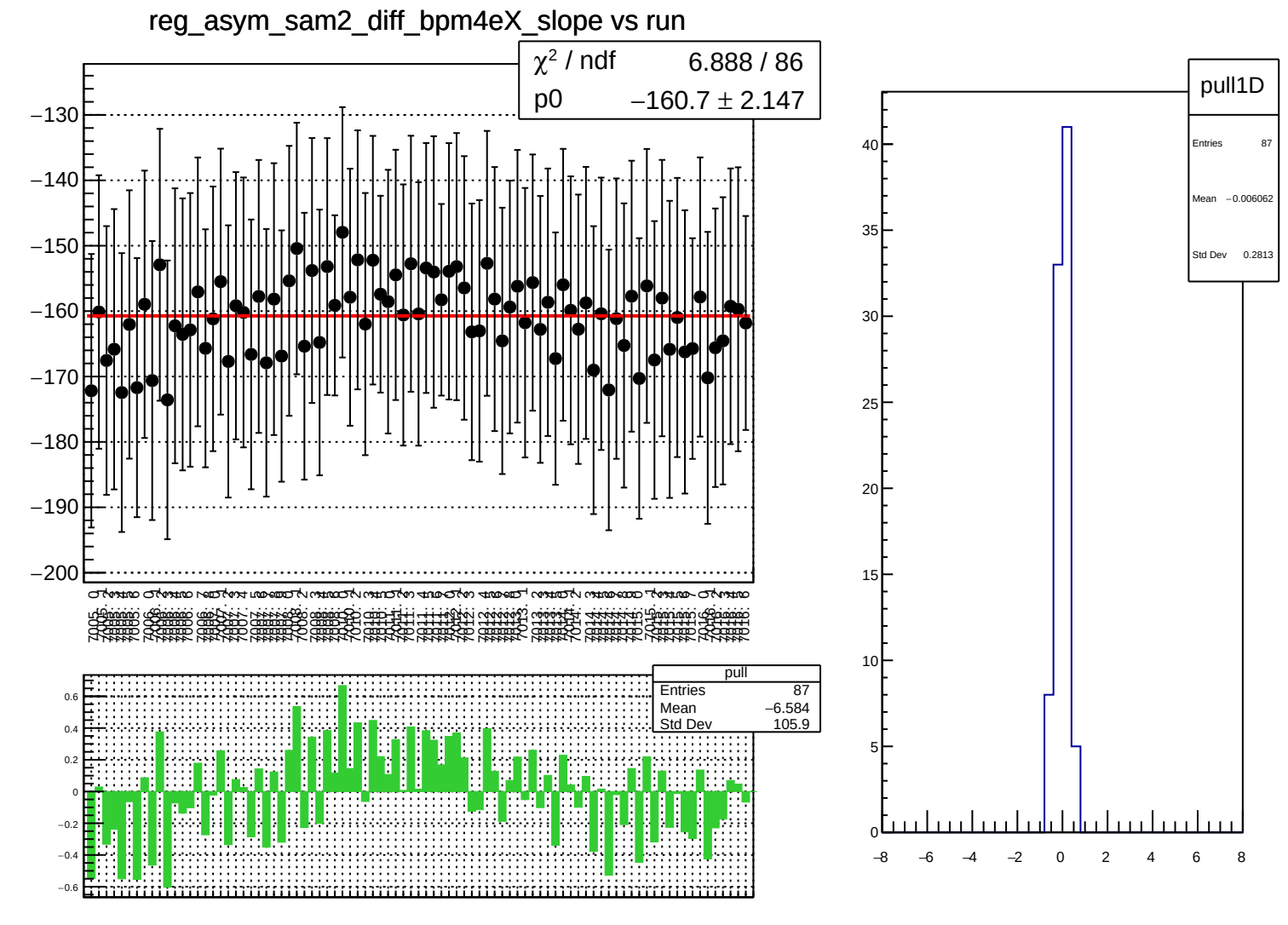

pull1D
Entries 87
Mean −0.001045
Std Dev 0.6063

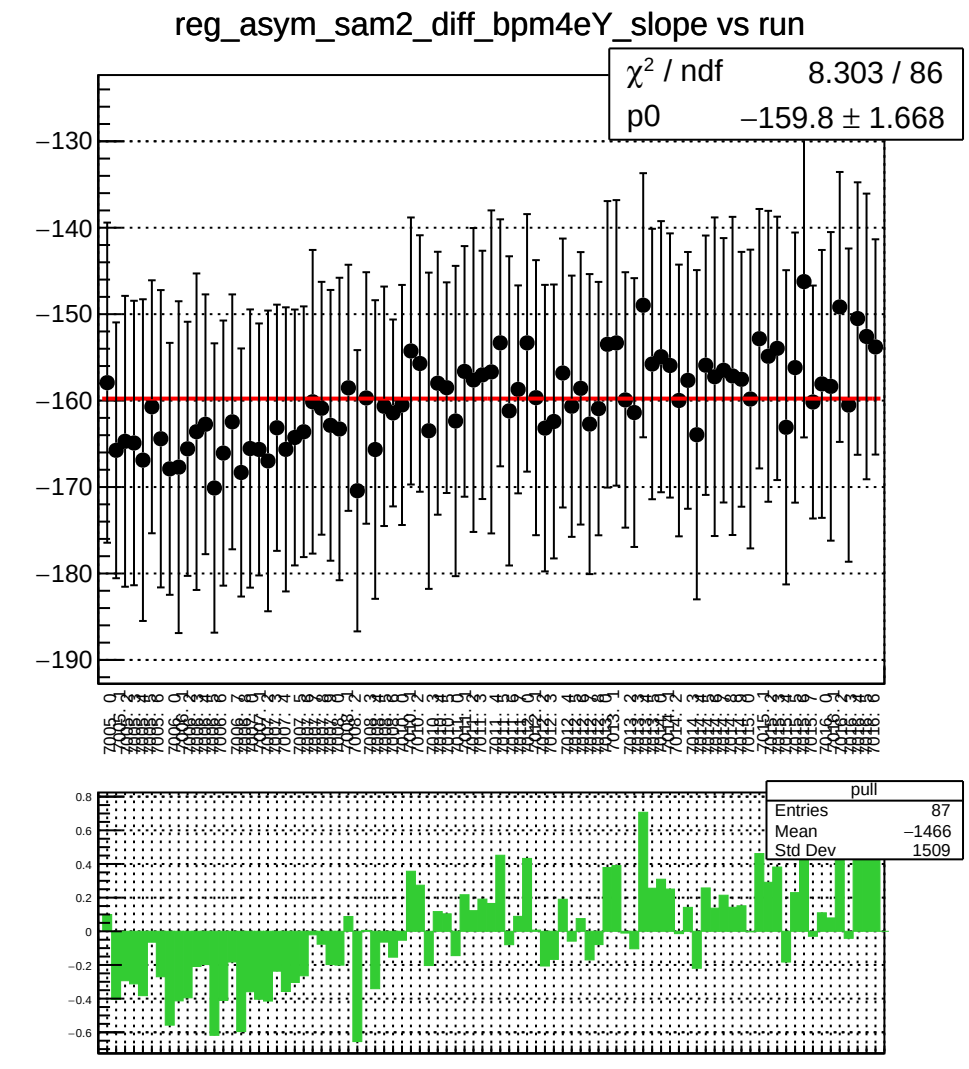

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 88.16 / 86
p0 0.4436 ± 0.01081
pull
Entries 87
Mean 374.7
Std Dev 327.5

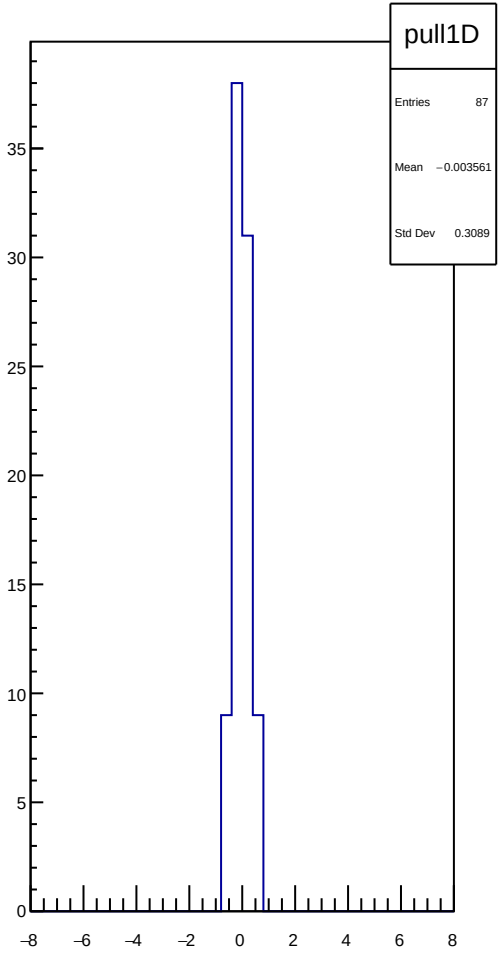

pull1D
Entries 87
Mean 0.05313
Std Dev 1.005

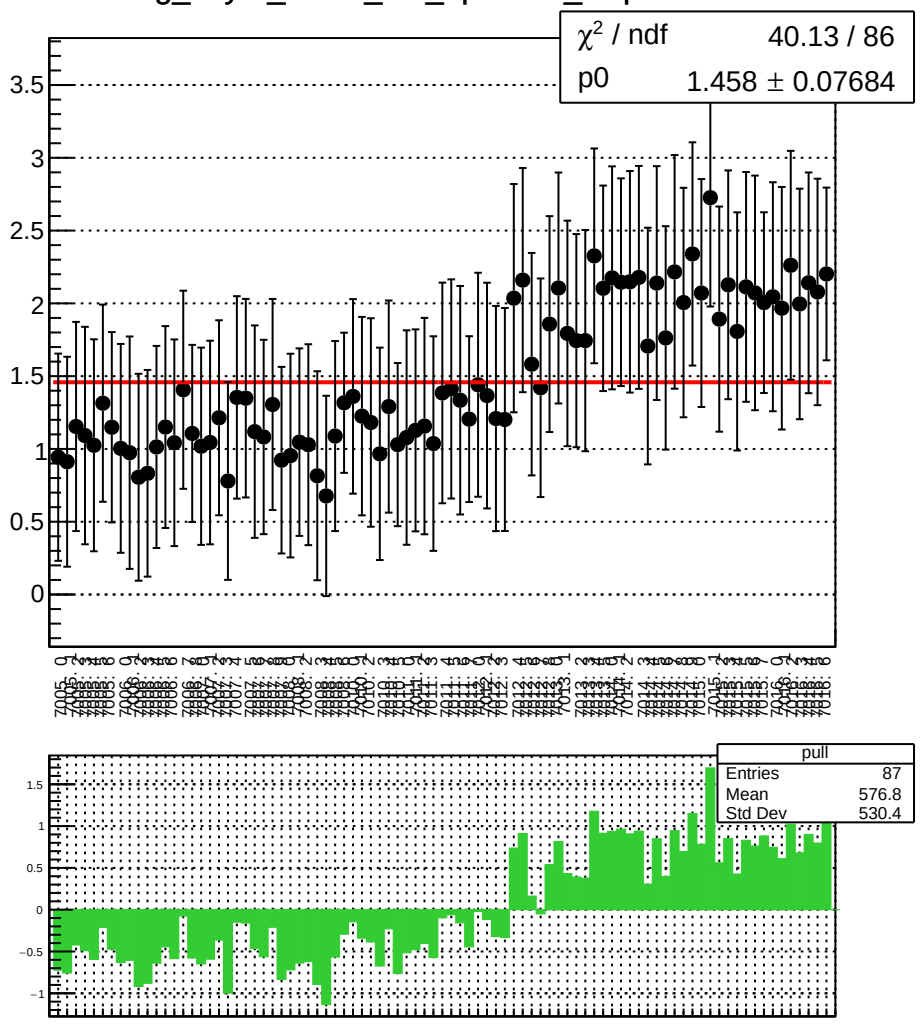

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 5.555 / 86
p0 −36.94 ± 2.315
pull
Entries 87
Mean 28.45
Std Dev 119.6
pull1D
Entries 87
Mean 0.006033
Std Dev 0.2526

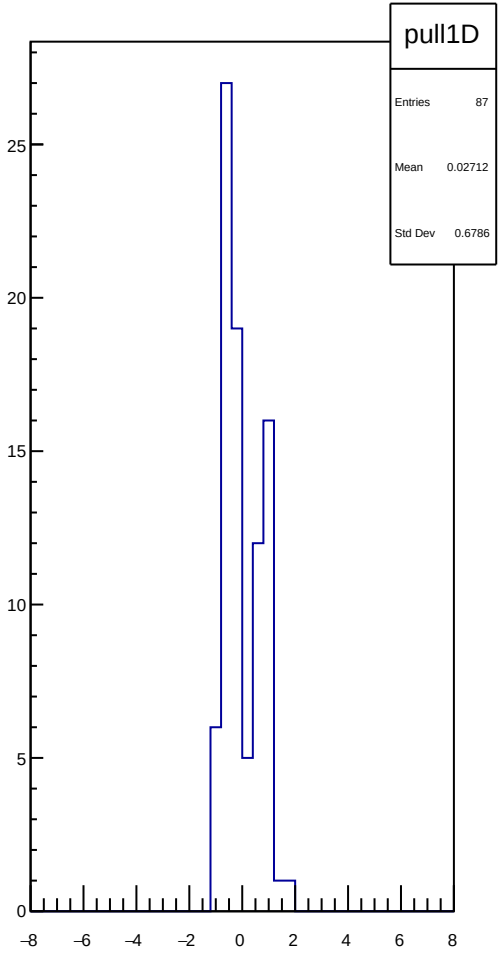

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 3.914 / 86
p0 −22.93 ± 1.584
pull
Entries 87
Mean 384.2
Std Dev 343.6
pull1D
Entries 87
Mean −0.006346
Std Dev 0.212

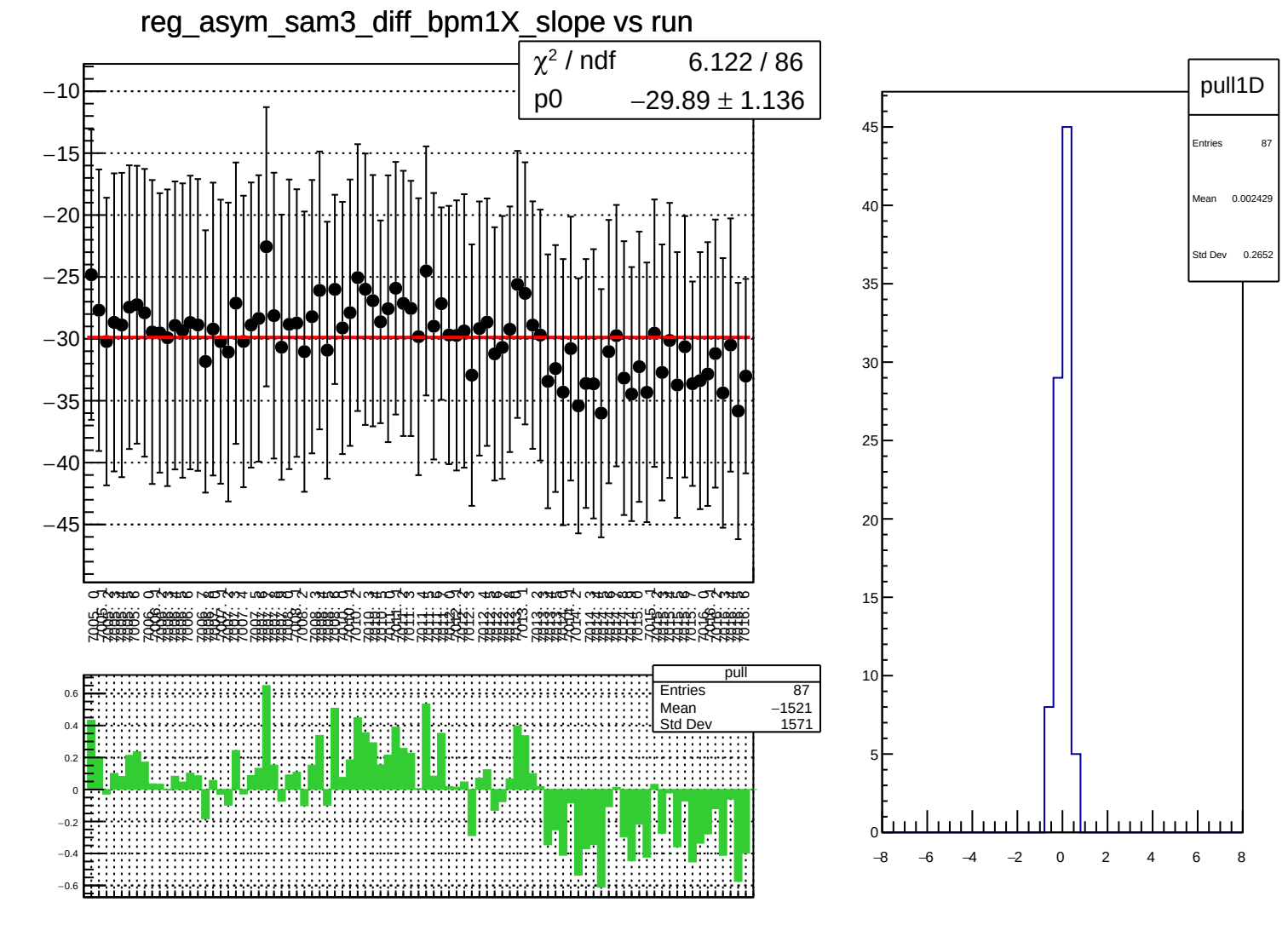

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.888 / 86
p0 −160.7 ± 2.147
−130
−140
−150
−160
−170
−180
−190
−200
pull
Entries 87
Mean −6.584
Std Dev 105.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.006062
Std Dev 0.2813
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

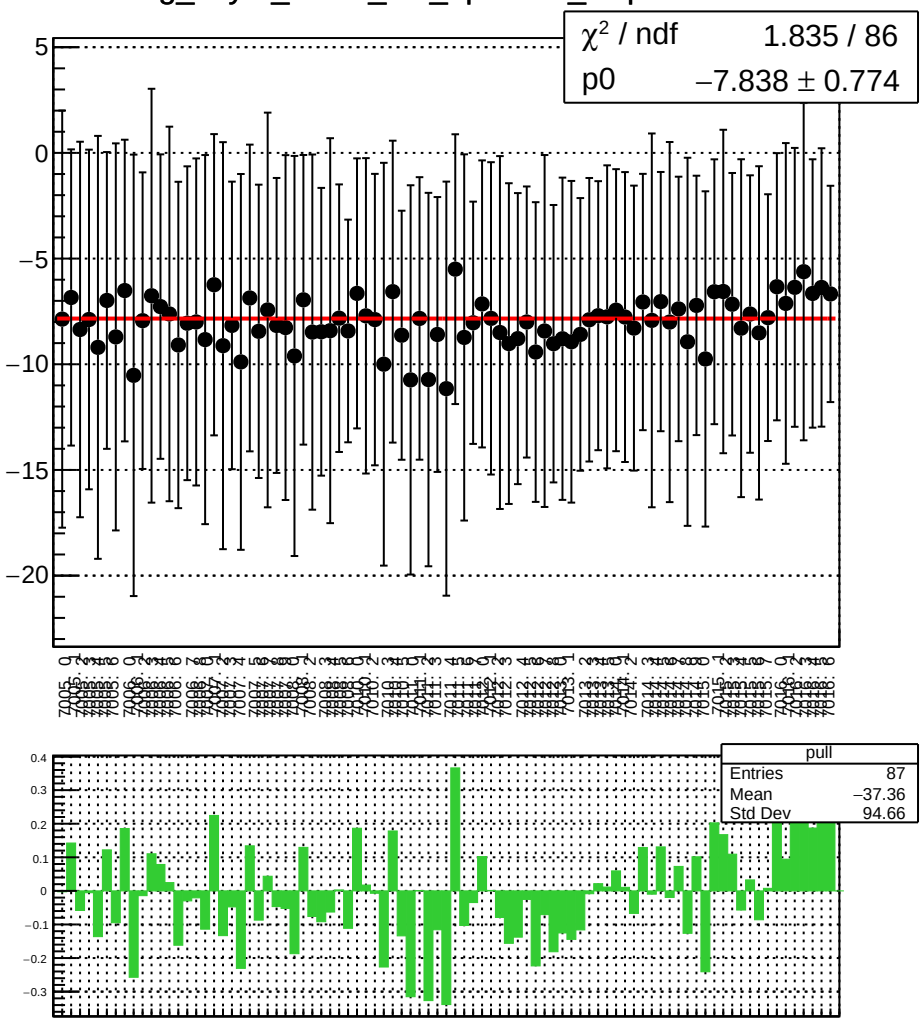

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.303 / 86
p0 −159.8 ± 1.668
−130
−140
−150
−160
−170
−180
−190
pull
Entries 87
Mean −1466
Std Dev 1509
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

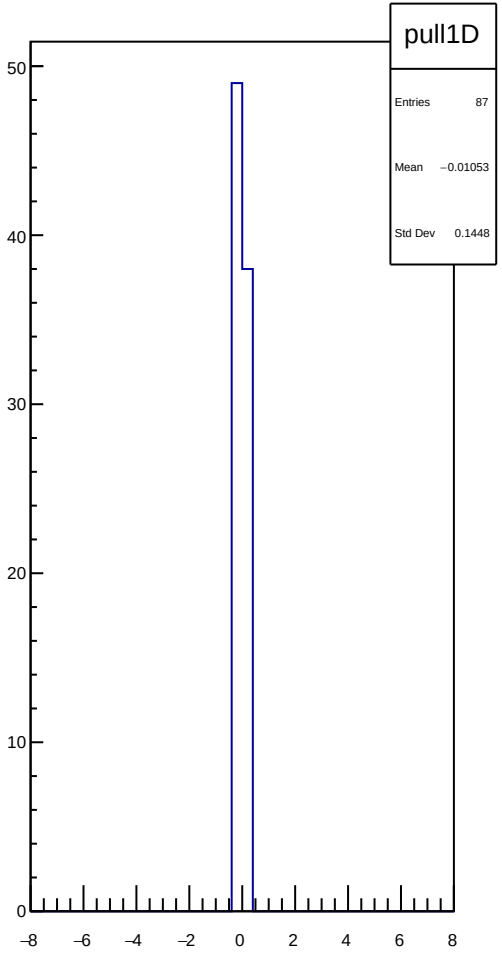

pull1D
Entries 87
Mean −0.003561
Std Dev 0.3089
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

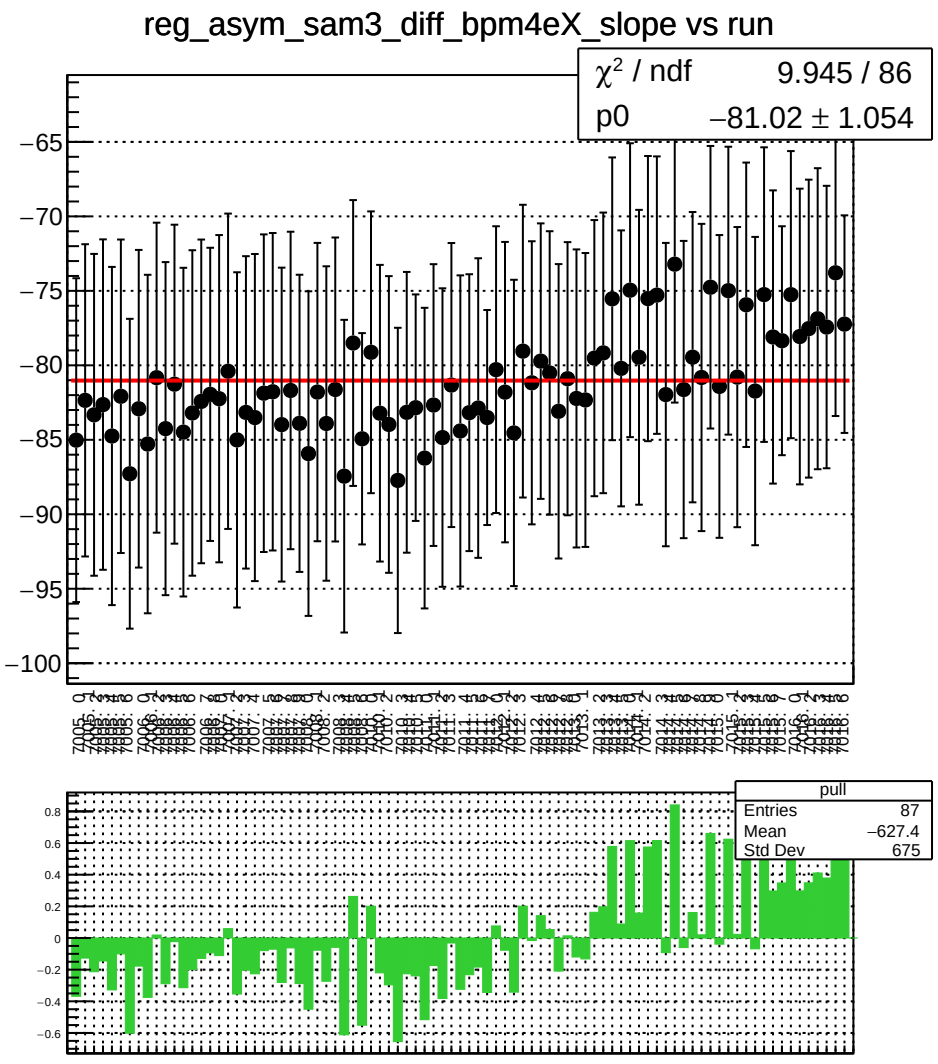

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 40.13 / 86
p0 1.458 ± 0.07684
pull
Entries 87
Mean 576.8
Std Dev 530.4

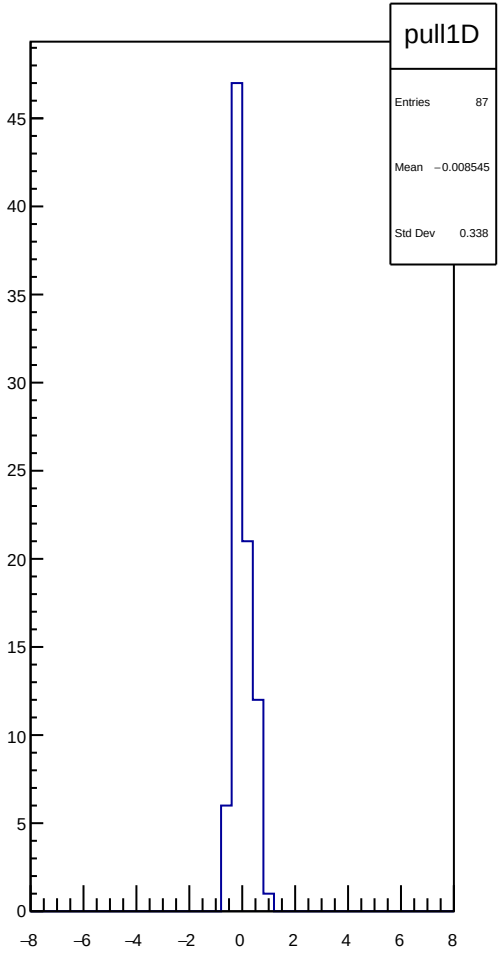

pull1D
Entries 87
Mean 0.02712
Std Dev 0.6786

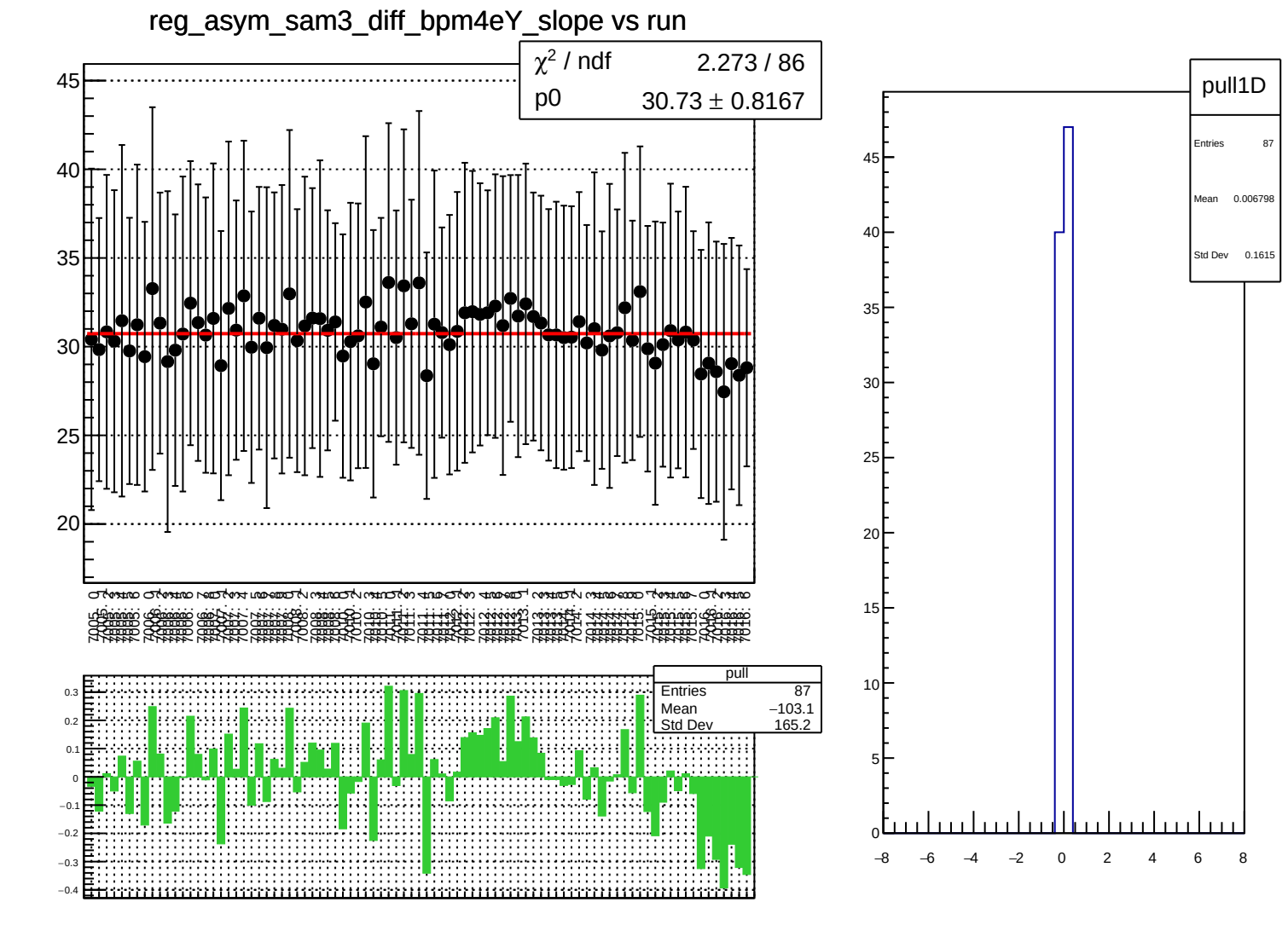

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 6.122 / 86
p0 −29.89 ± 1.136
pull
Entries 87
Mean −1521
Std Dev 1571
pull1D
Entries 87
Mean 0.002429
Std Dev 0.2652

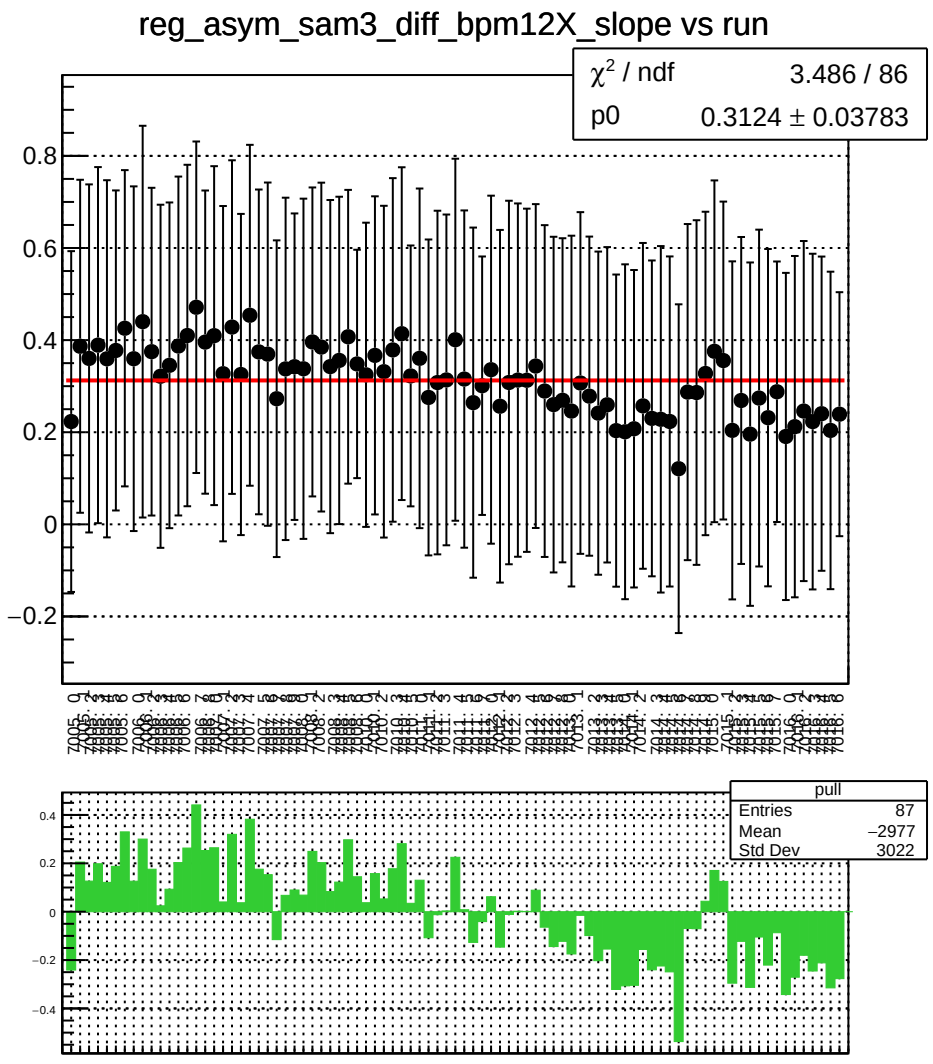

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.835 / 86
p0 −7.838 ± 0.774
pull
Entries 87
Mean −37.36
Std Dev 94.66

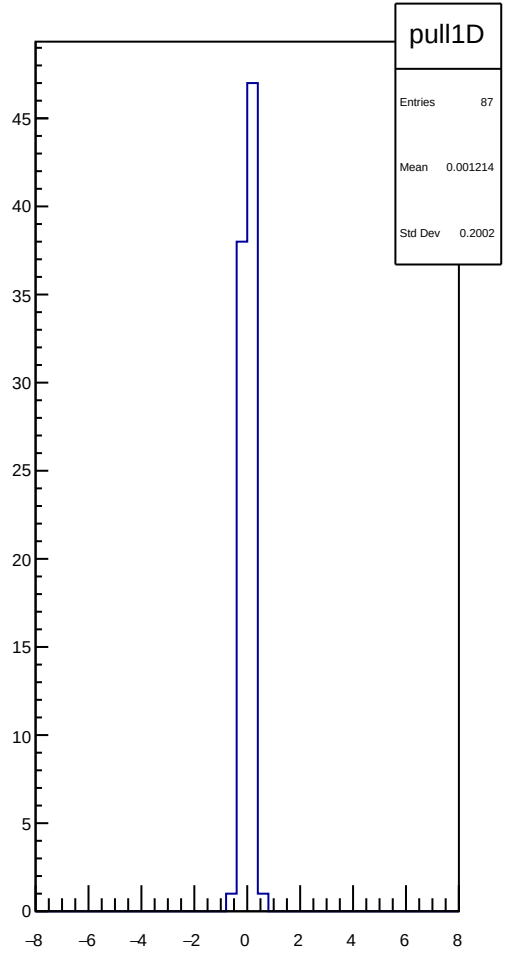

pull1D
Entries 87
Mean −0.01053
Std Dev 0.1448

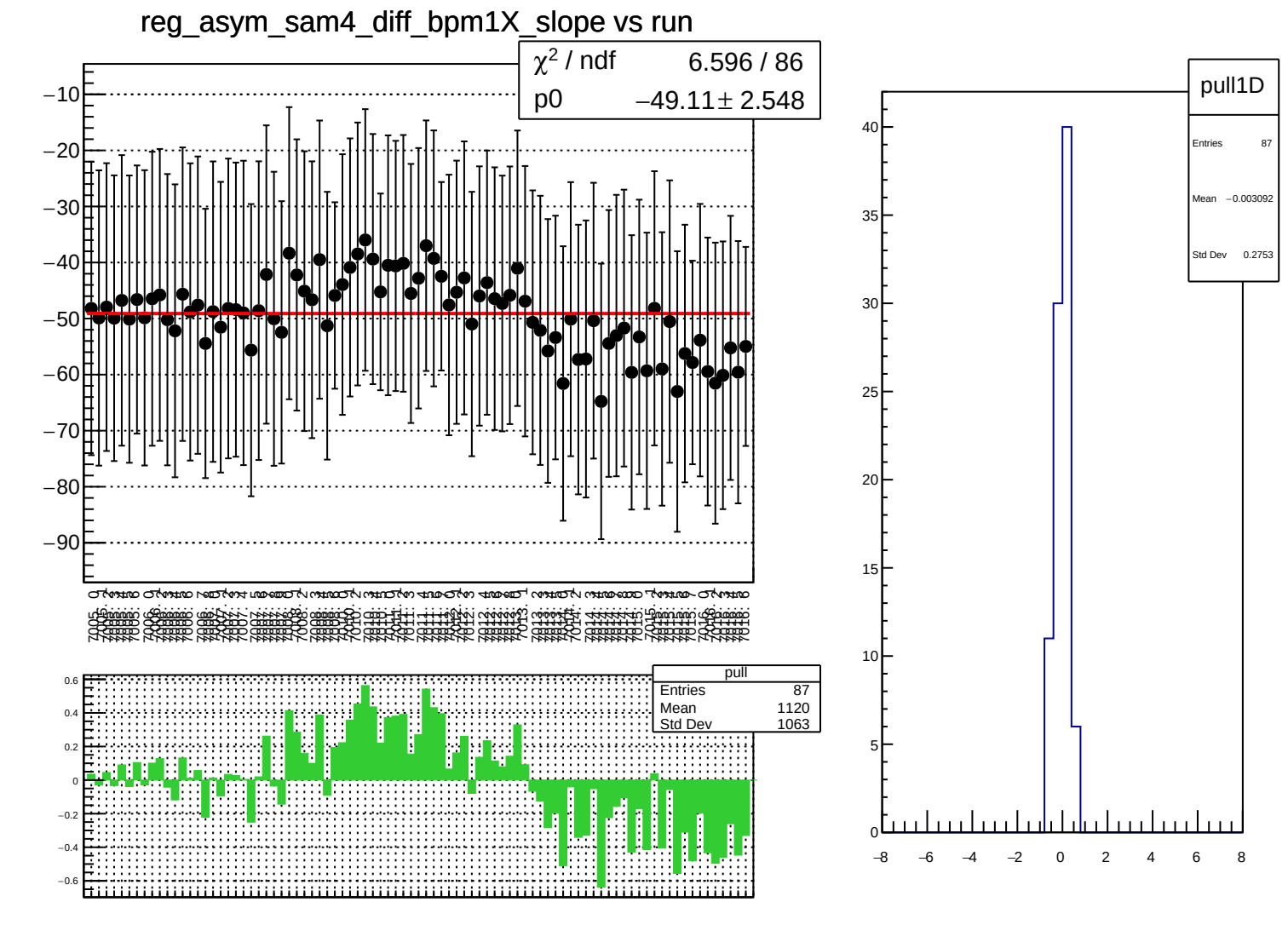

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 9.945 / 86
p0 −81.02 ± 1.054
pull
Entries 87
Mean −627.4
Std Dev 675

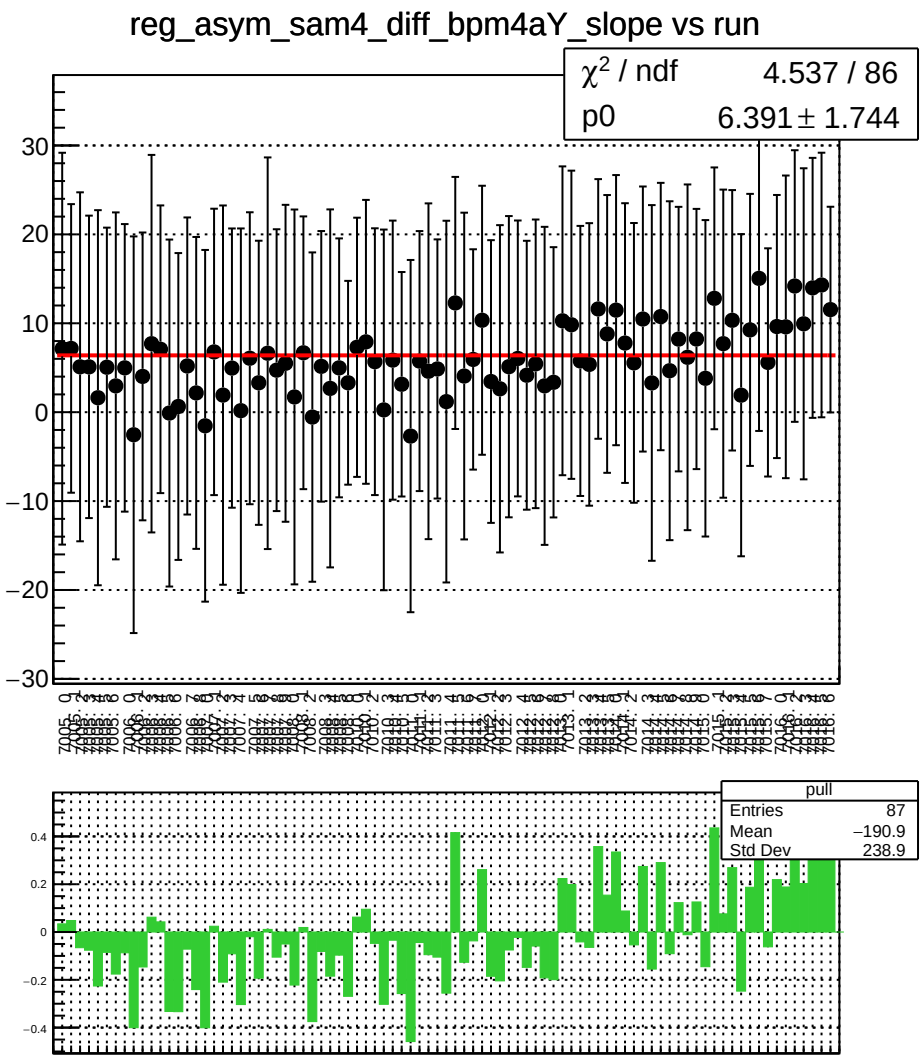

pull1D
Entries 87
Mean −0.008545
Std Dev 0.338

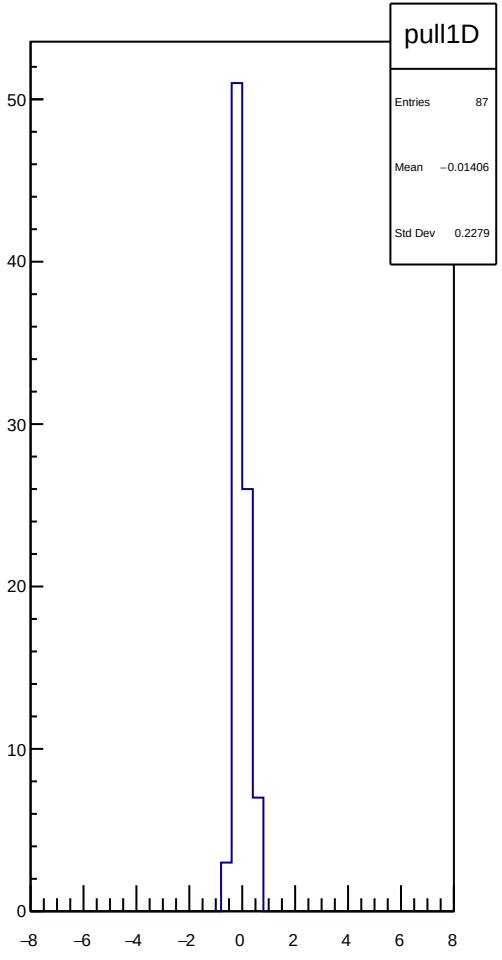

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.273 / 86
p0 30.73 ± 0.8167
pull
Entries 87
Mean −103.1
Std Dev 165.2
pull1D
Entries 87
Mean 0.006798
Std Dev 0.1615

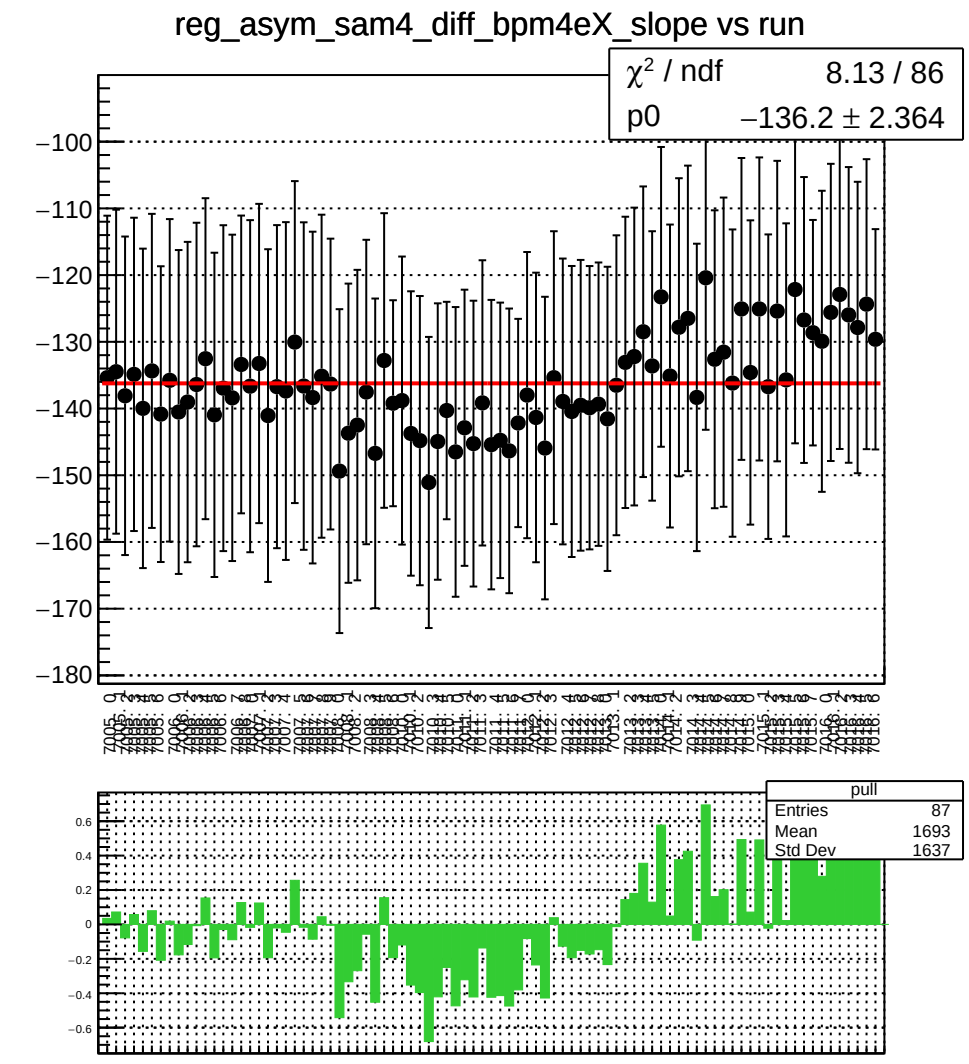

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 3.486 / 86
p0 0.3124 ± 0.03783
pull
Entries 87
Mean −2977
Std Dev 3022

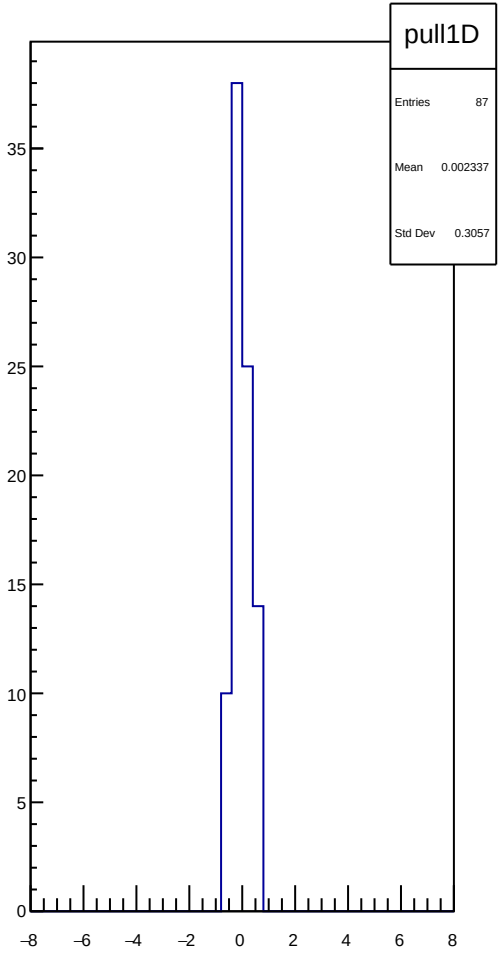

pull1D
Entries 87
Mean 0.001214
Std Dev 0.2002

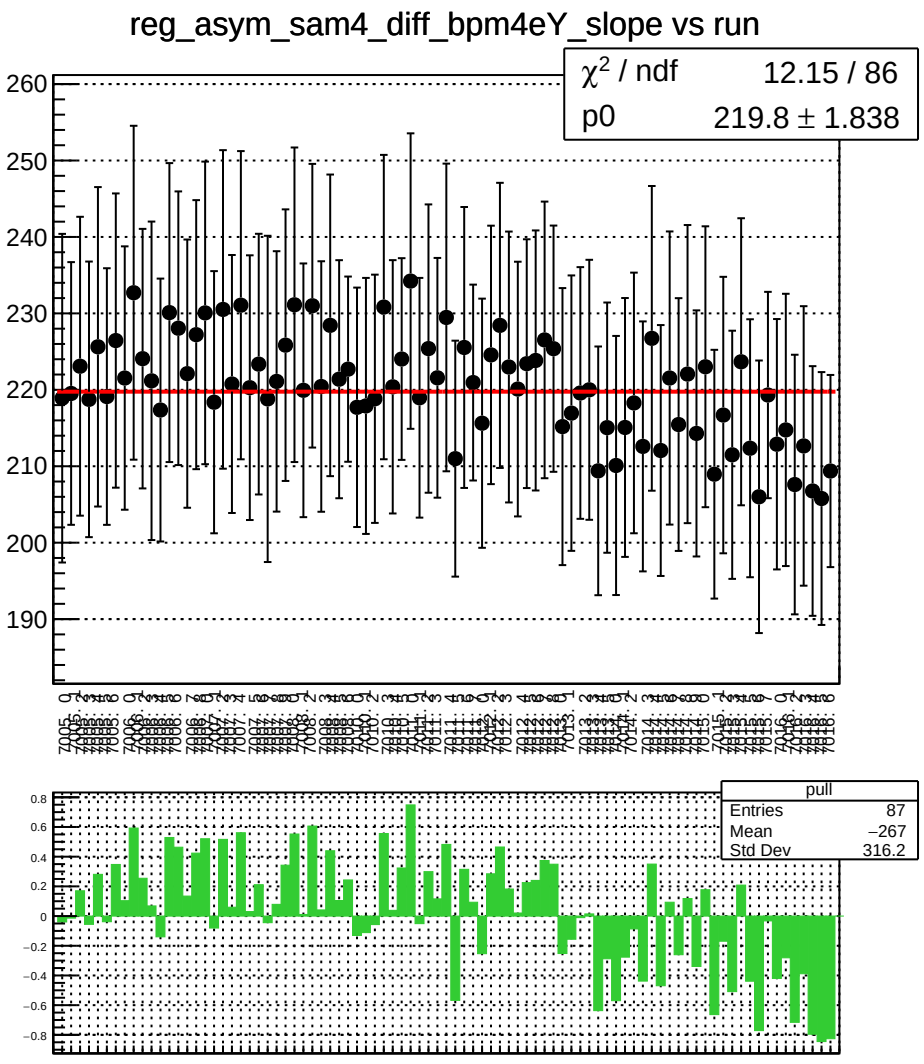

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 6.596 / 86
p0 −49.11 ± 2.548
pull
Entries 87
Mean 1120
Std Dev 1063
pull1D
Entries 87
Mean −0.003092
Std Dev 0.2753

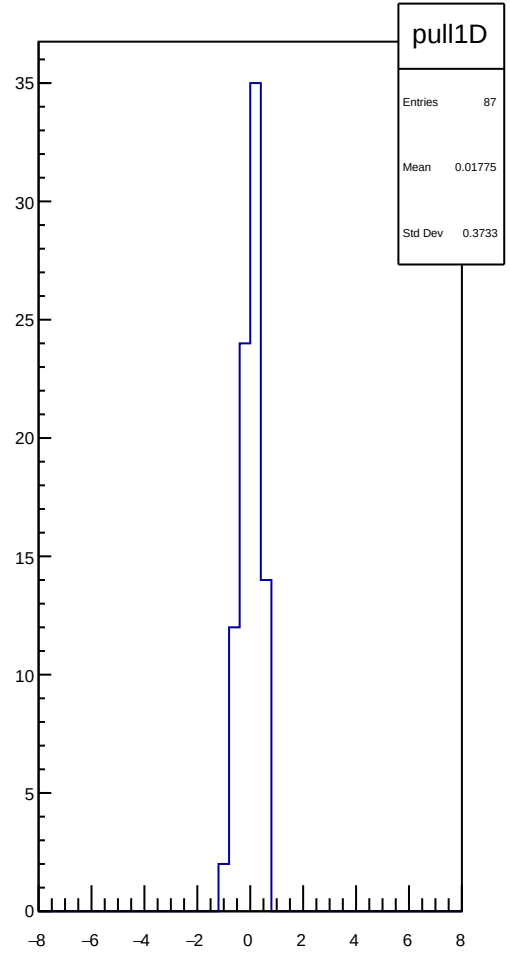

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.537 / 86
p0 6.391 ± 1.744
pull
Entries 87
Mean −190.9
Std Dev 238.9

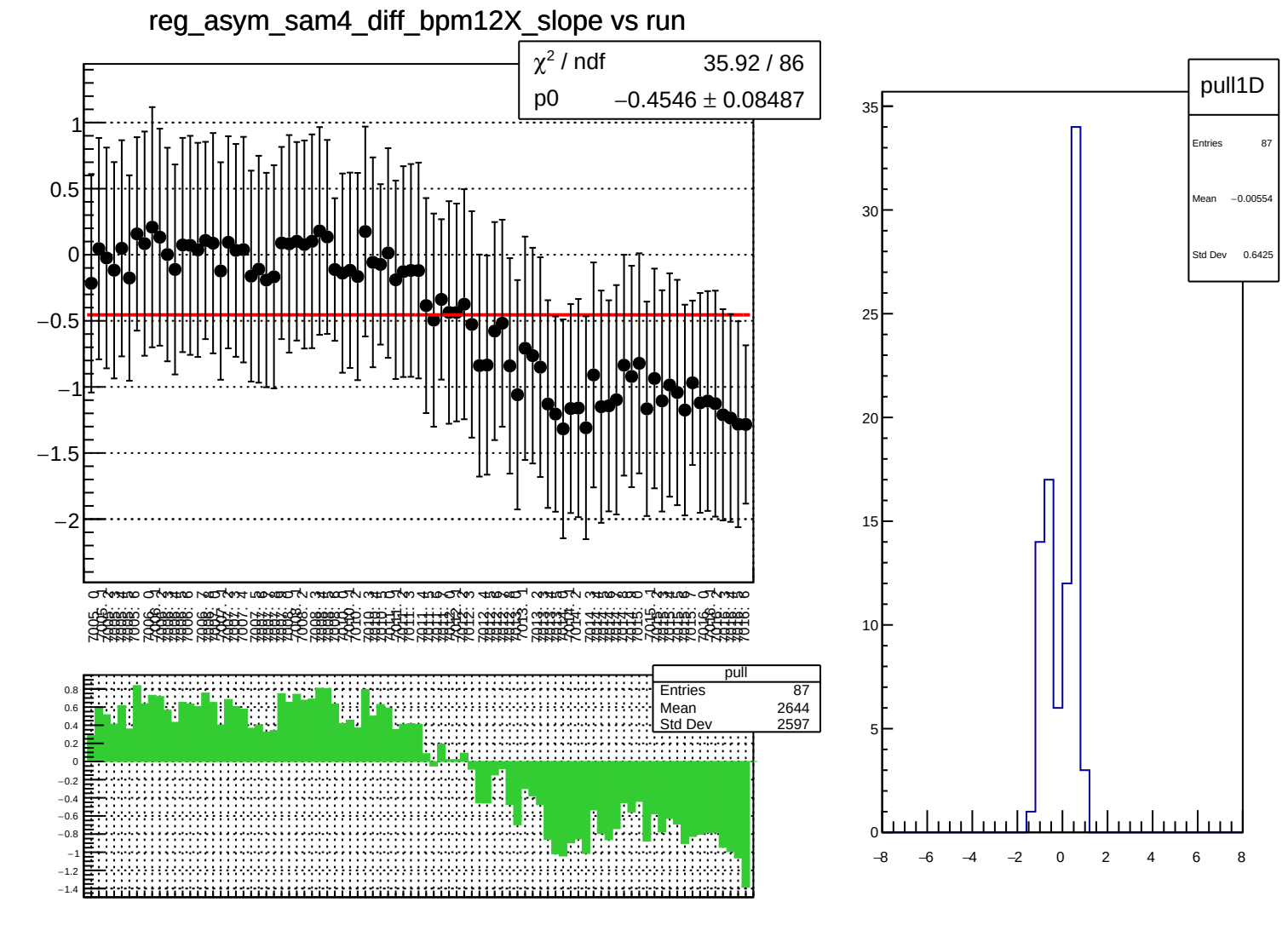

pull1D
Entries 87
Mean −0.01406
Std Dev 0.2279

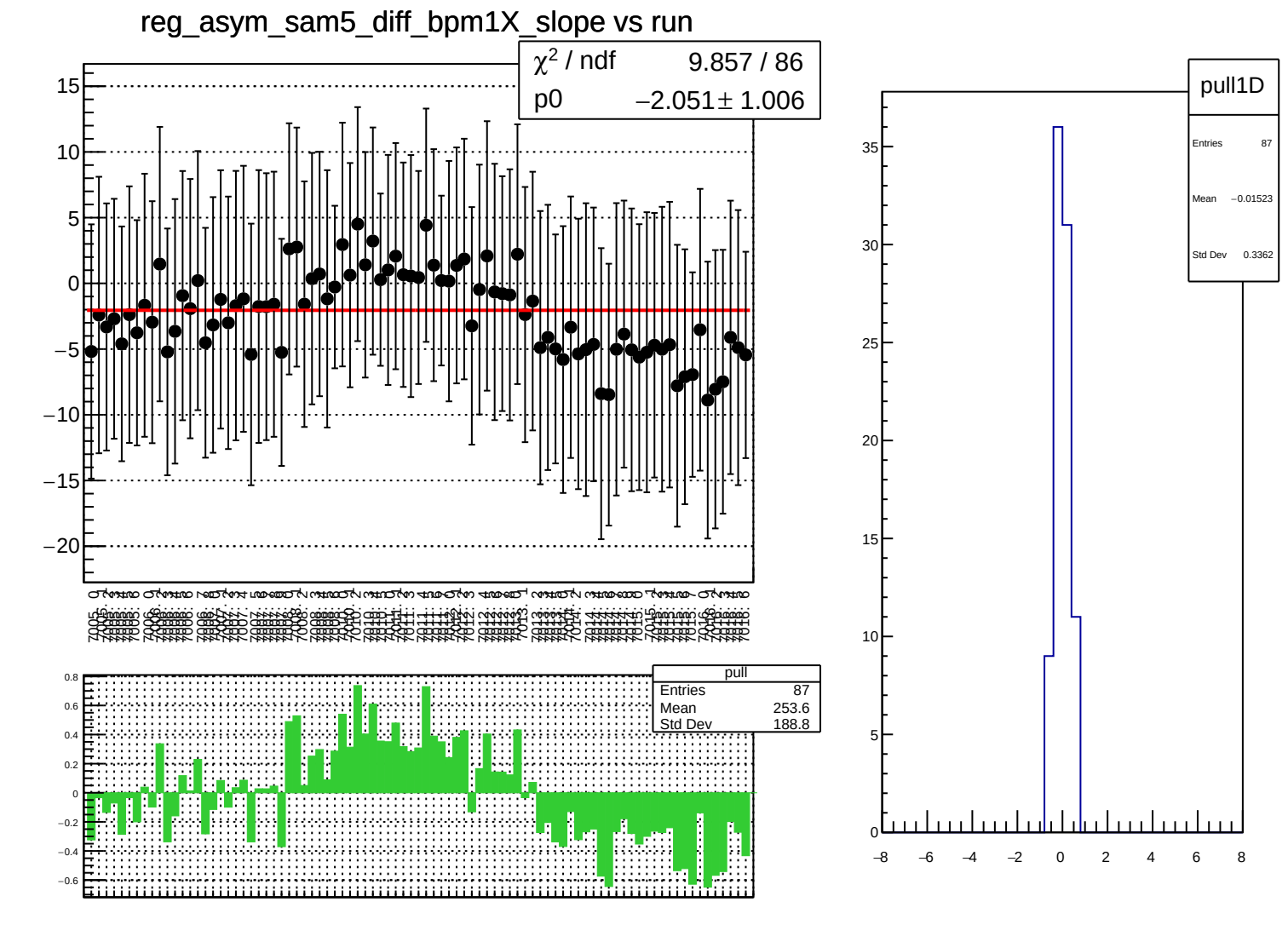

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 8.13 / 86
p0 −136.2 ± 2.364
pull
Entries 87
Mean 1693
Std Dev 1637

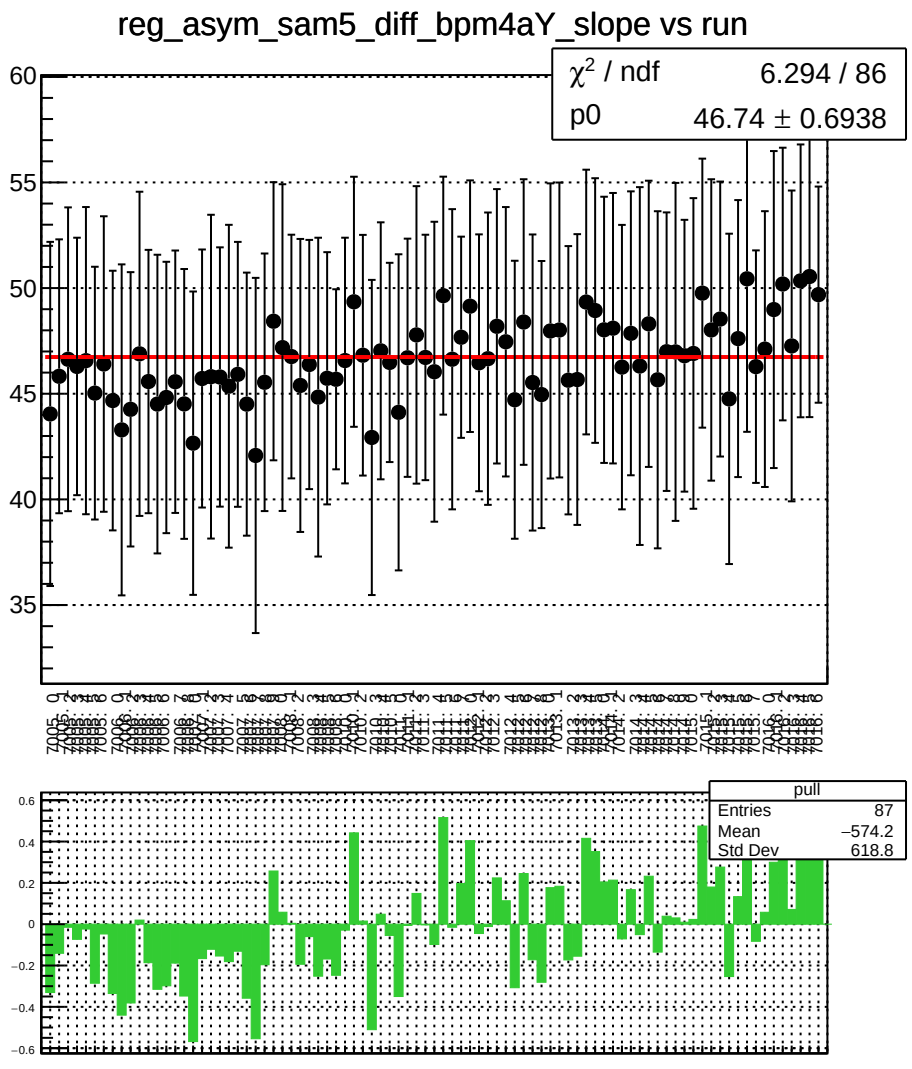

pull1D
Entries 87
Mean 0.002337
Std Dev 0.3057

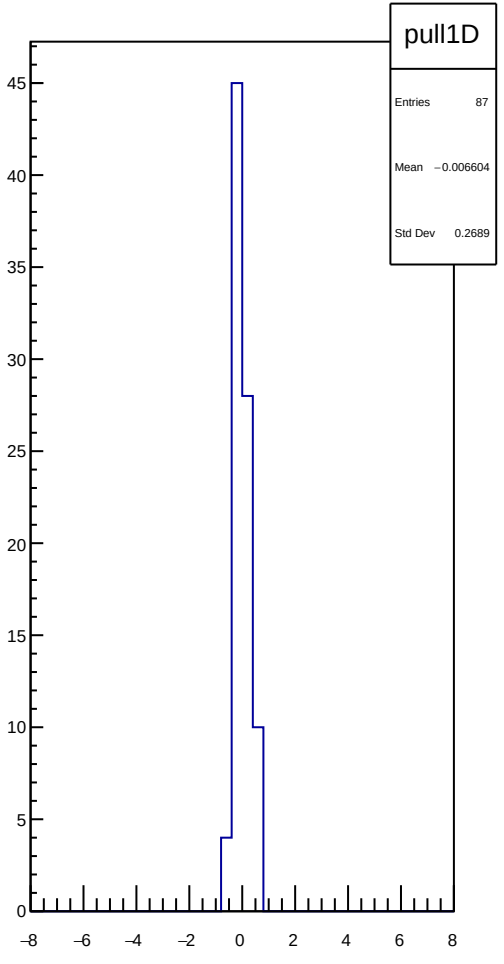

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 12.15 / 86
p0 219.8 ± 1.838
260
250
240
230
220
210
200
190
pull
Entries 87
Mean −267
Std Dev 316.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

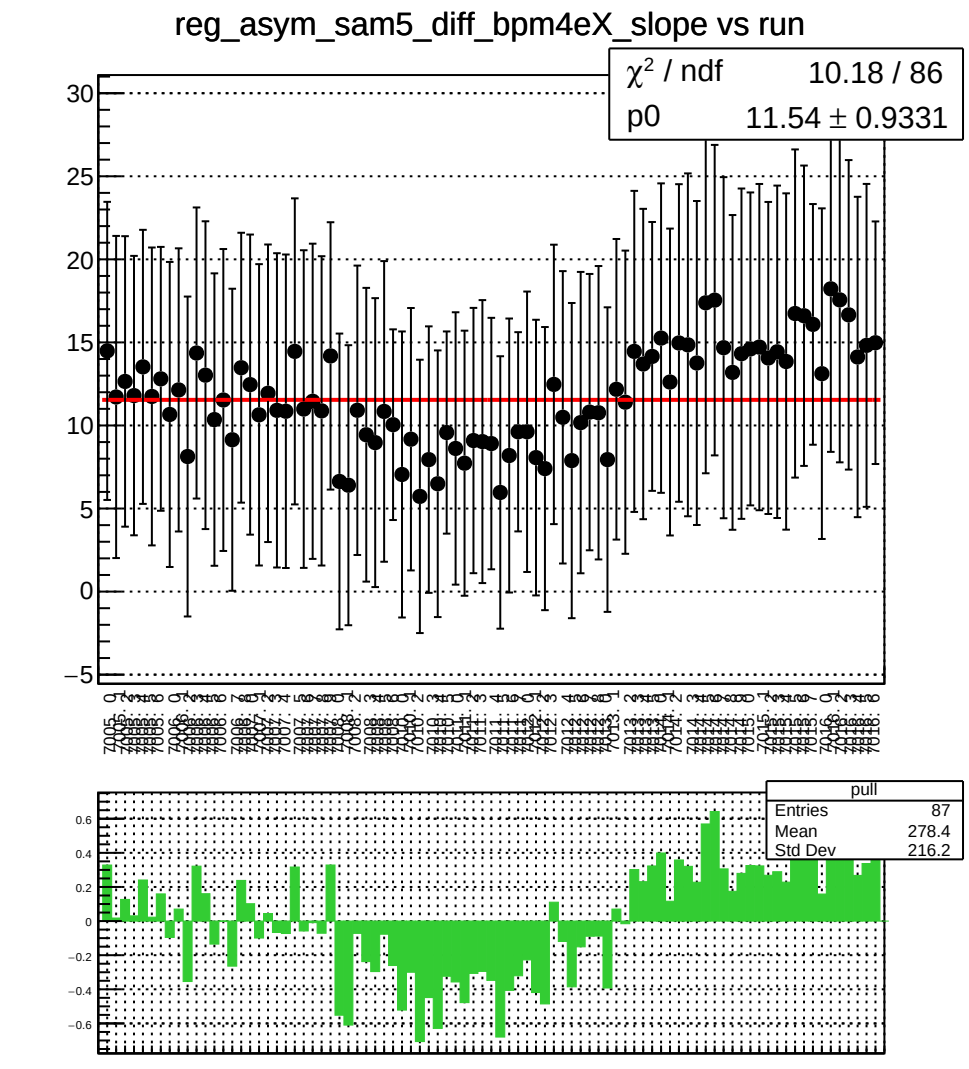

pull1D
Entries 87
Mean 0.01775
Std Dev 0.3733
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

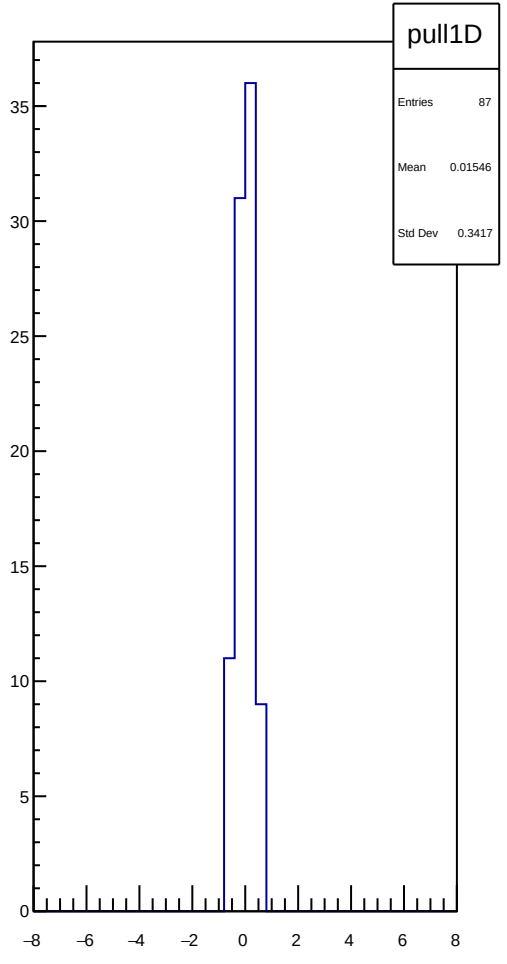

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 35.92 / 86
p0 −0.4546 ± 0.08487
pull
Entries 87
Mean 2644
Std Dev 2597
pull1D
Entries 87
Mean −0.00554
Std Dev 0.6425

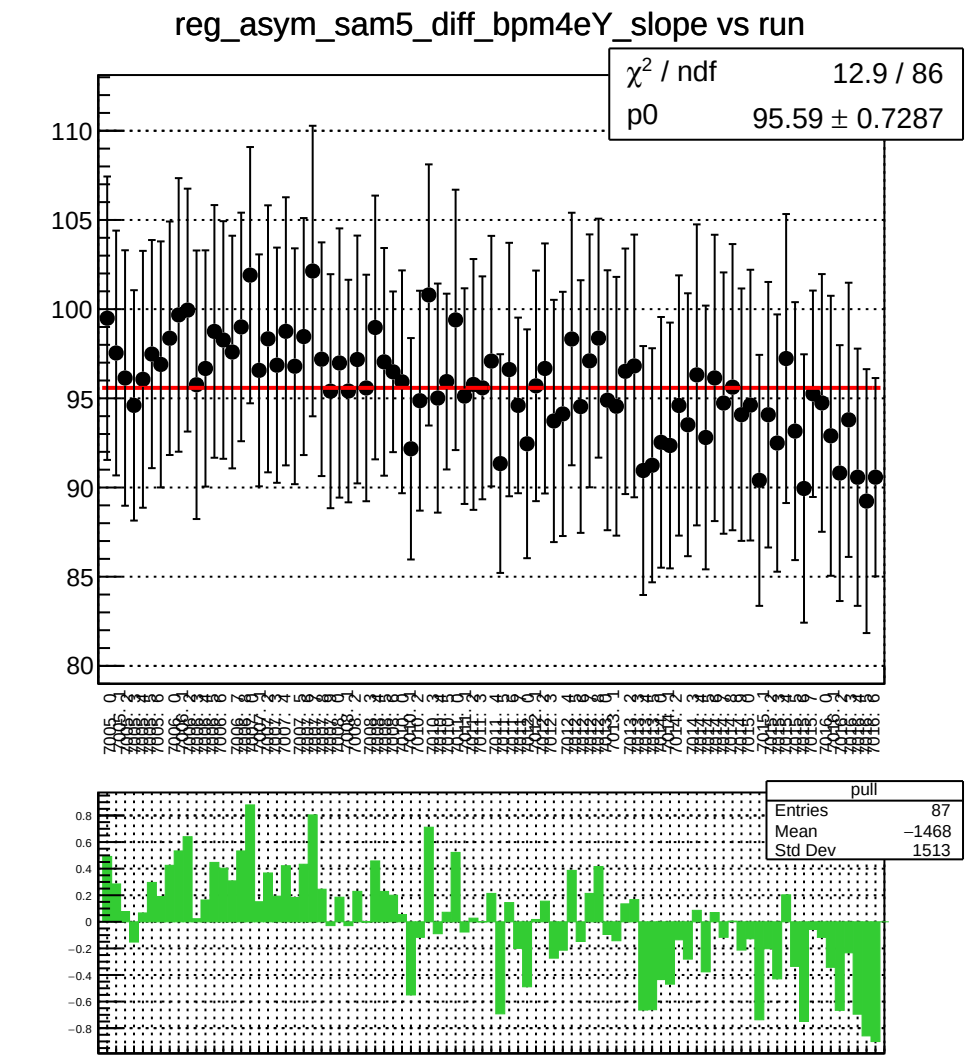

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 9.857 / 86
p0 −2.051 ± 1.006
pull
Entries 87
Mean 253.6
Std Dev 188.8
pull1D
Entries 87
Mean −0.01523
Std Dev 0.3362

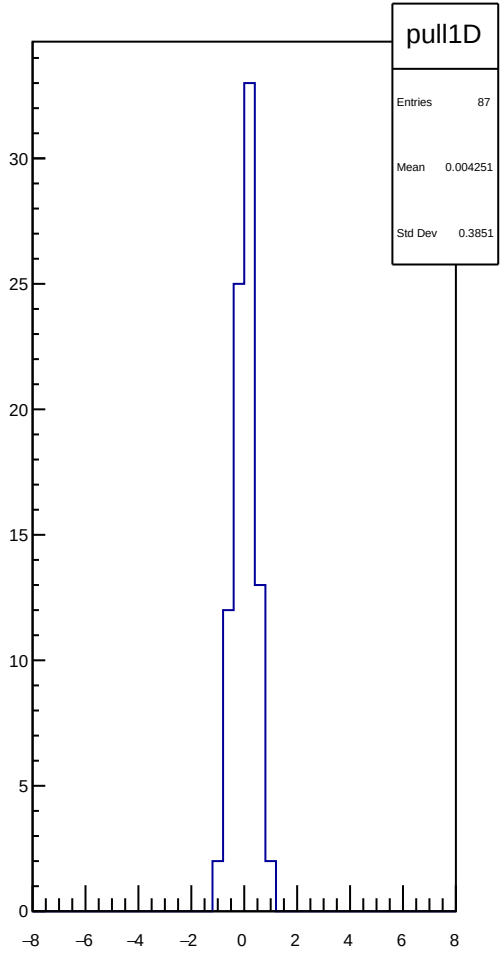

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 6.294 / 86
p0 46.74 ± 0.6938
pull
Entries 87
Mean −574.2
Std Dev 618.8

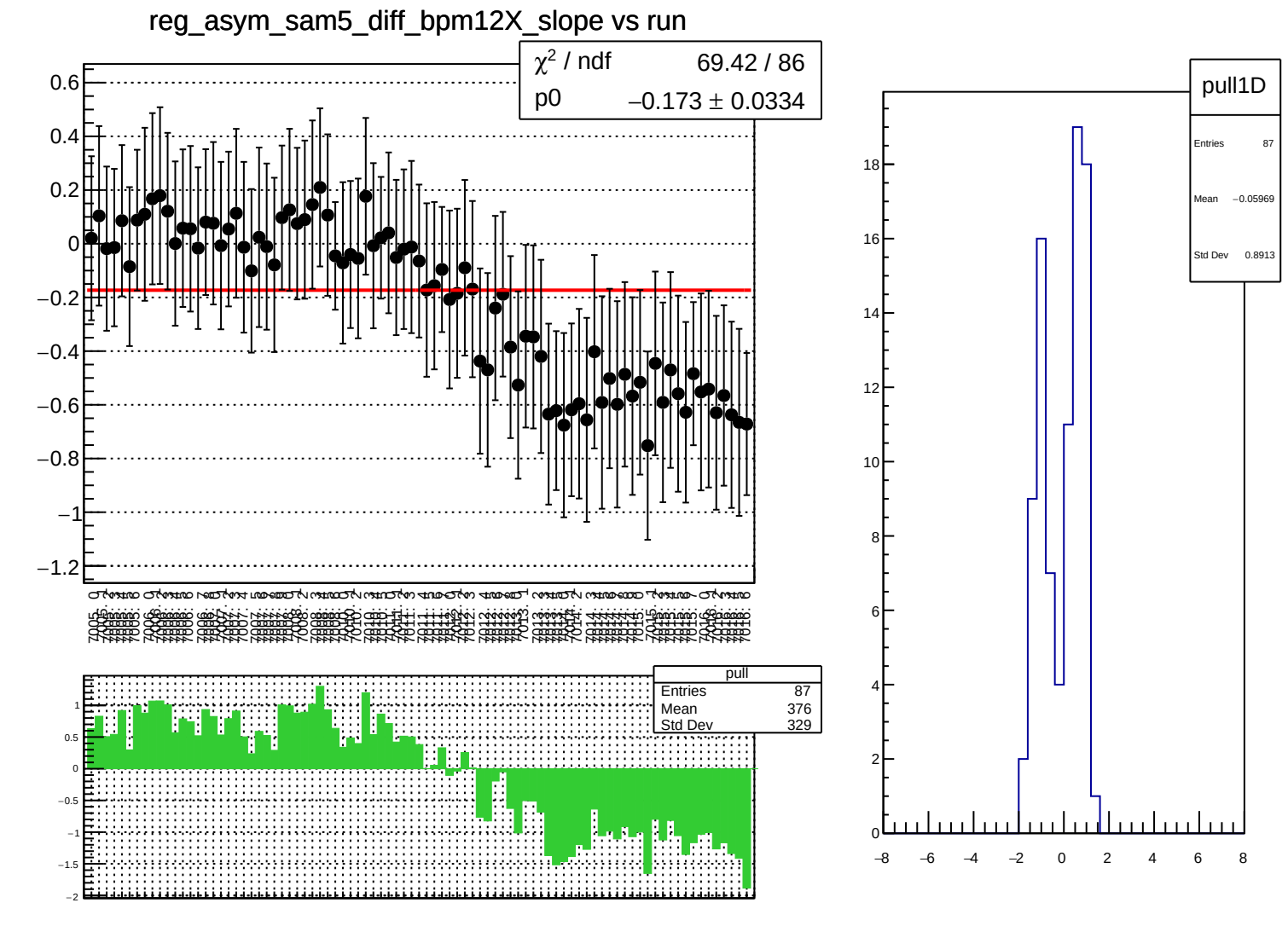

pull1D
Entries 87
Mean −0.006604
Std Dev 0.2689

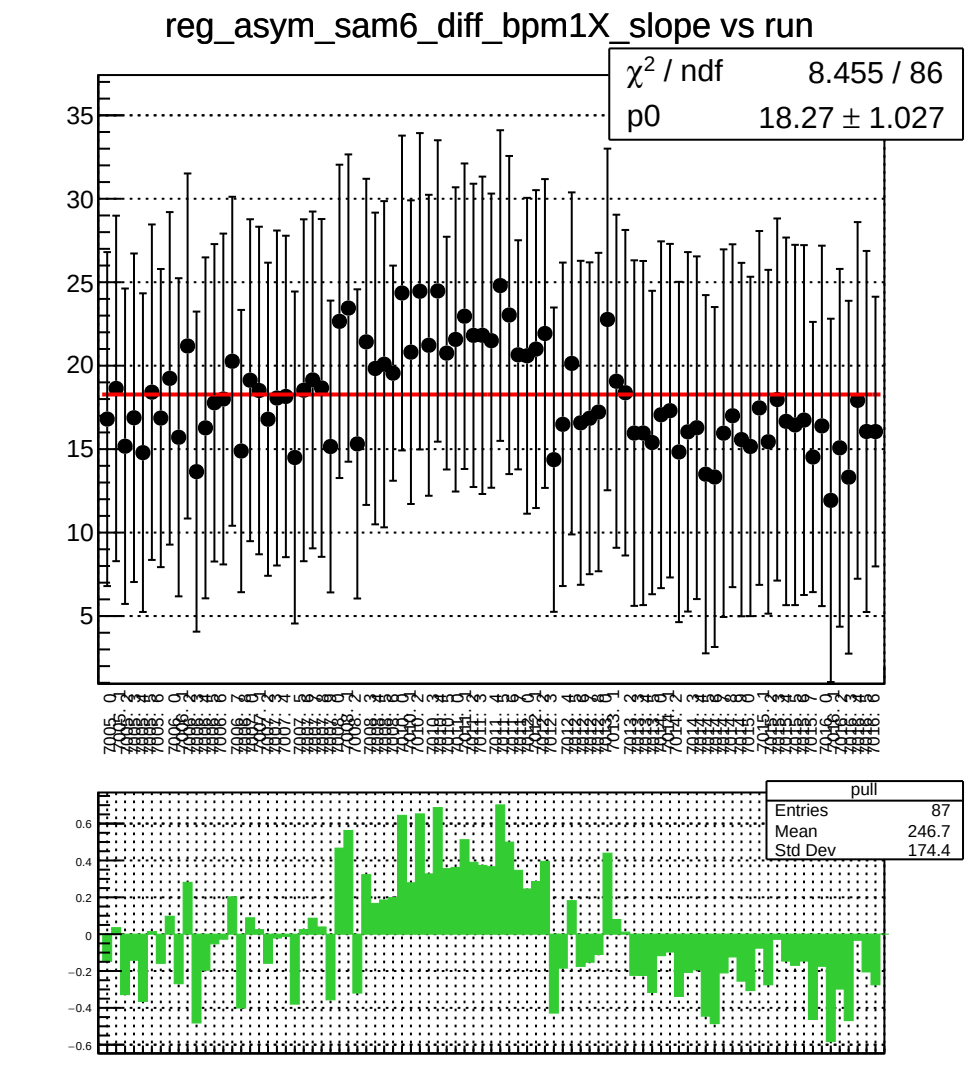

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 86
p0 11.54 ± 0.9331
pull
Entries 87
Mean 278.4
Std Dev 216.2

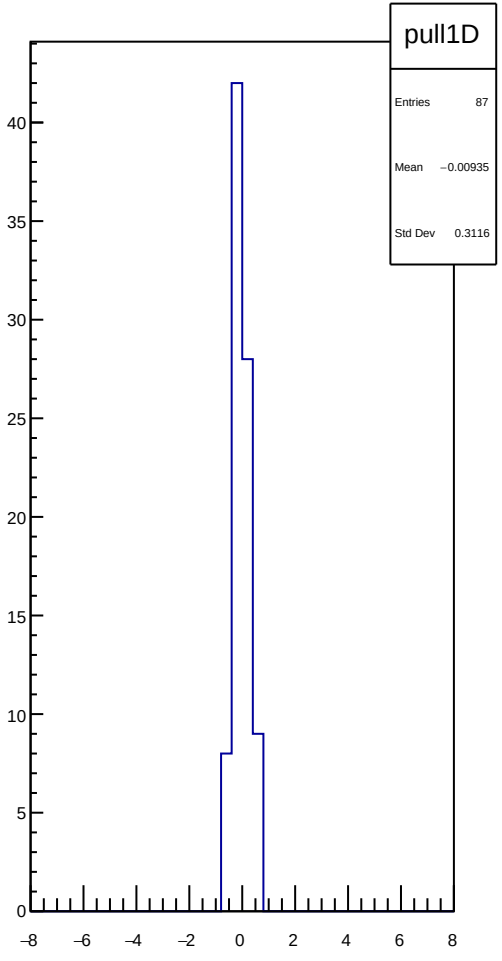

pull1D
Entries 87
Mean 0.01546
Std Dev 0.3417

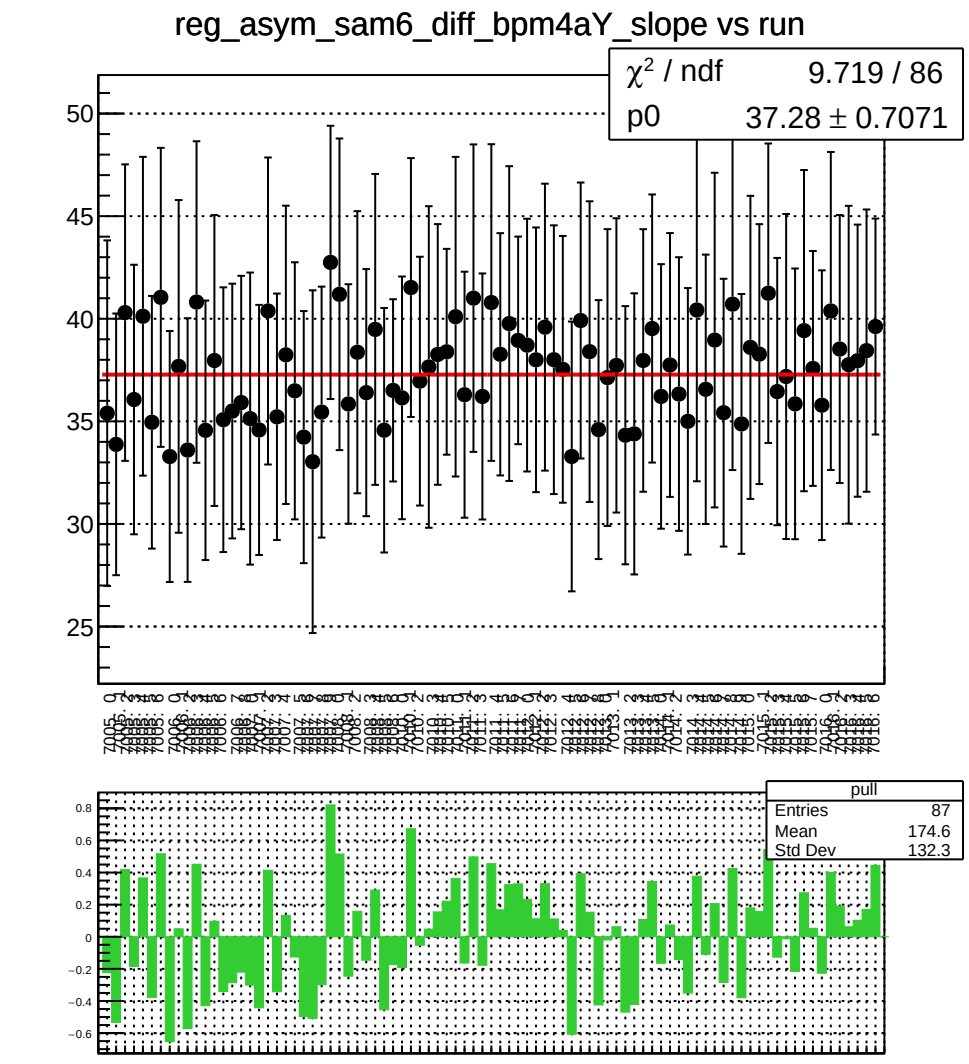

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 86
p0 95.59 ± 0.7287
110
105
100
95
90
85
80
pull
Entries 87
Mean −1468
Std Dev 1513
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

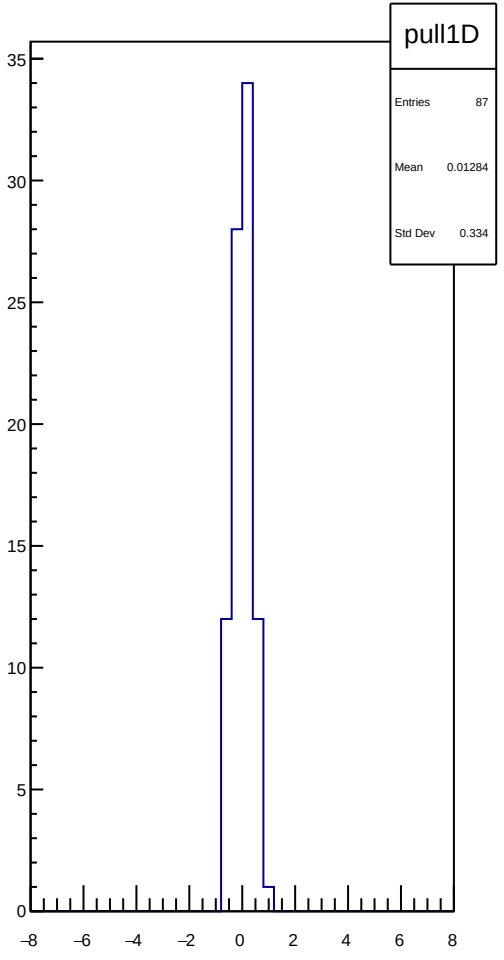

pull1D
Entries 87
Mean 0.004251
Std Dev 0.3851
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

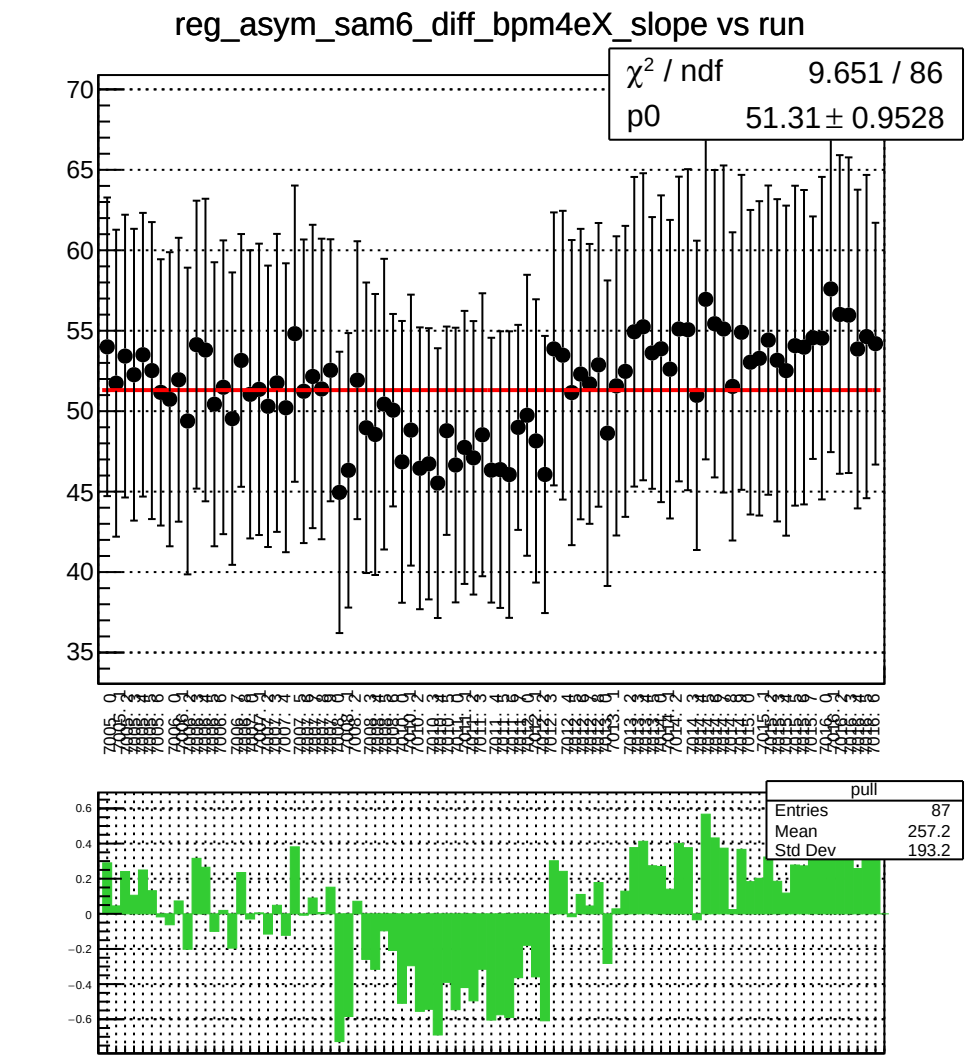

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 69.42 / 86
p0 −0.173 ± 0.0334
pull
Entries 87
Mean 376
Std Dev 329
pull1D
Entries 87
Mean −0.05969
Std Dev 0.8913

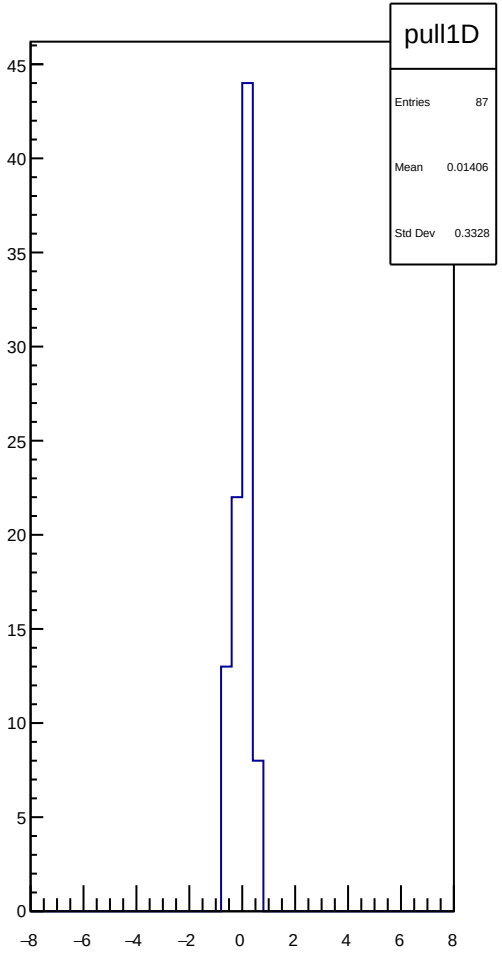

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 8.455 / 86
p0 18.27 ± 1.027
pull
Entries 87
Mean 246.7
Std Dev 174.4

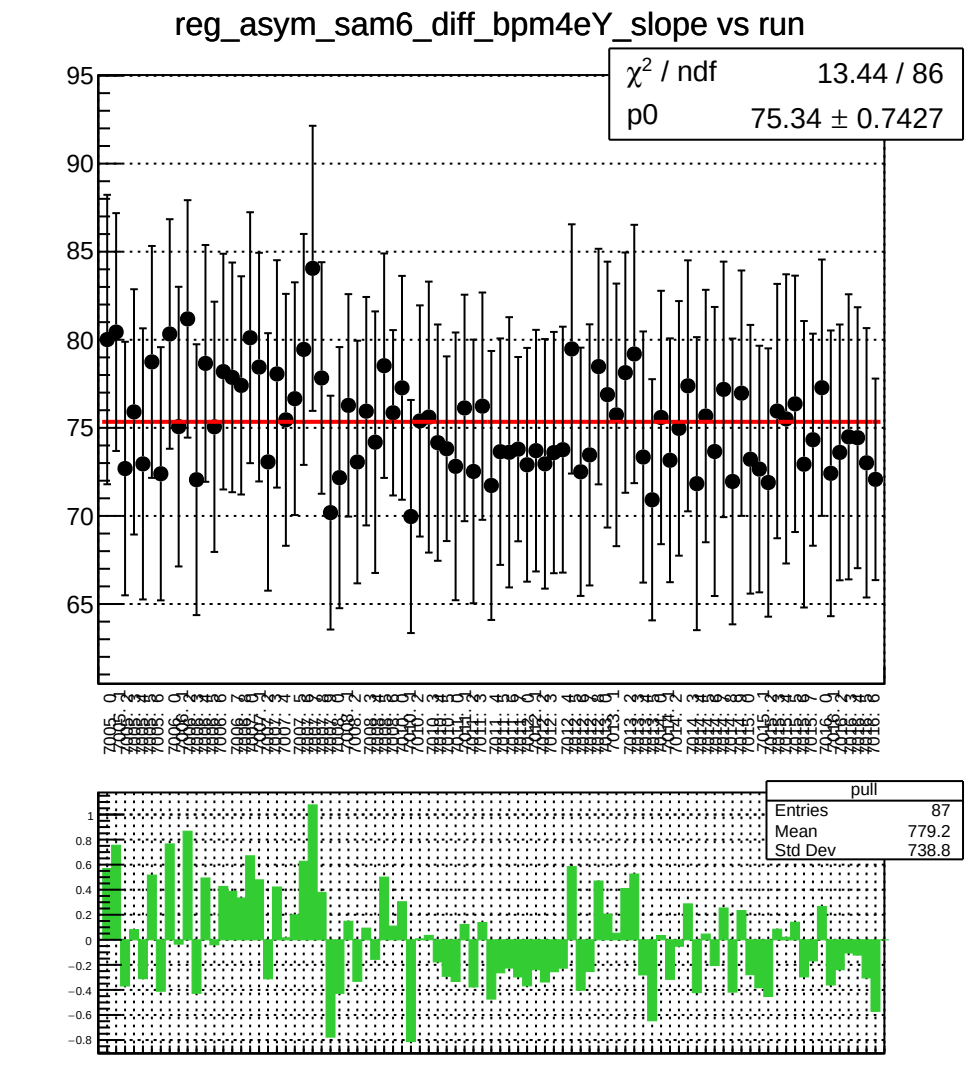

pull1D
Entries 87
Mean −0.00935
Std Dev 0.3116

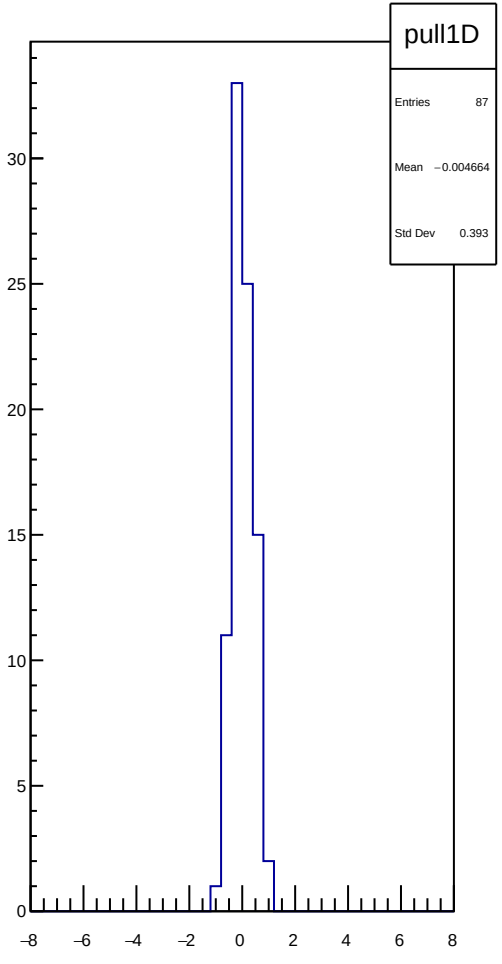

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 9.719 / 86
p0 37.28 ± 0.7071
pull
Entries 87
Mean 174.6
Std Dev 132.3

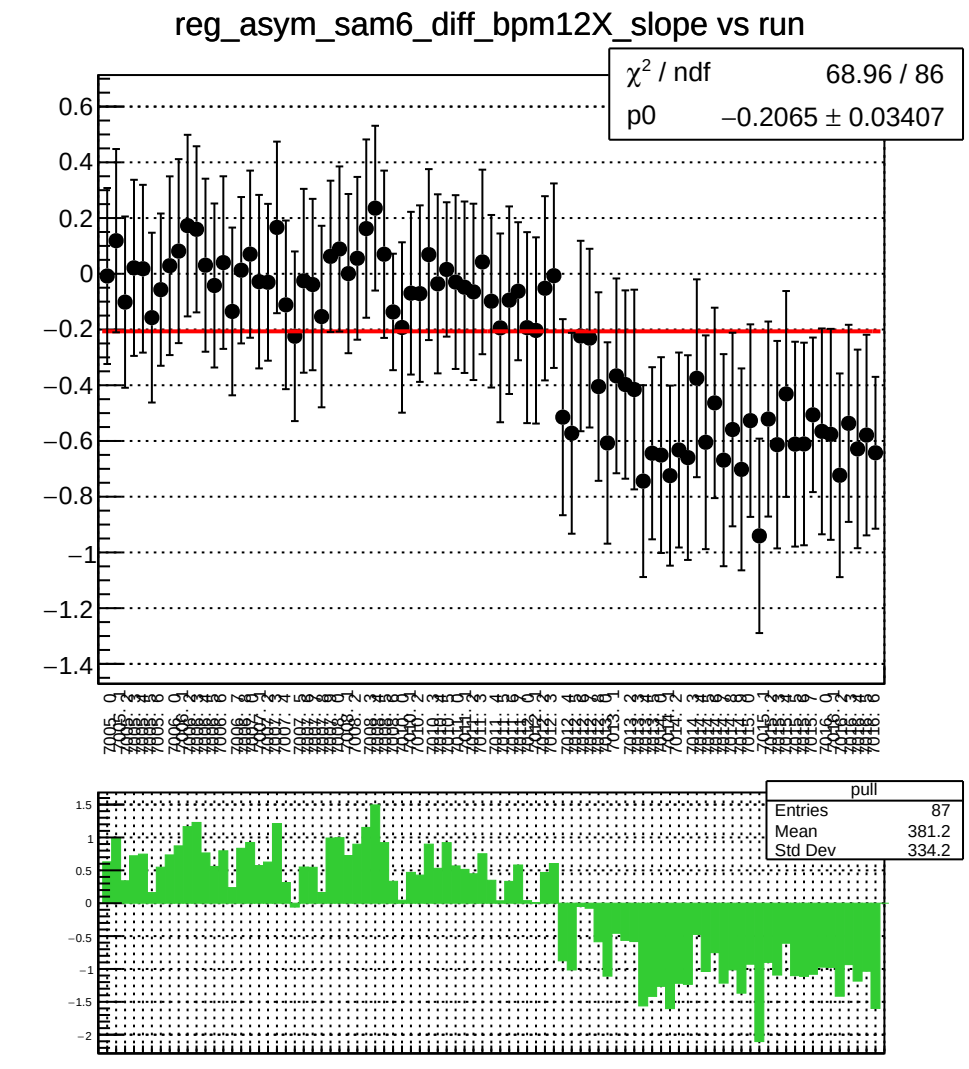

pull1D
Entries 87
Mean 0.01284
Std Dev 0.334

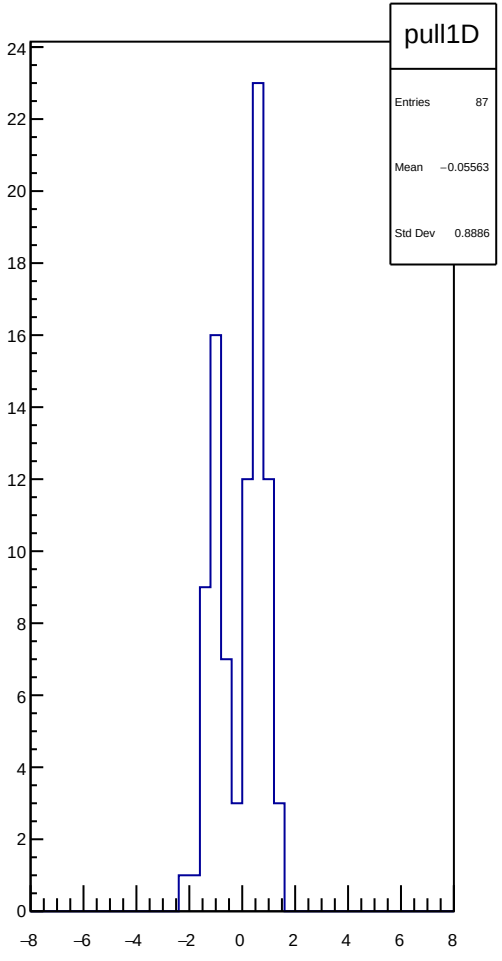

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 9.651 / 86
p0 51.31 ± 0.9528
pull
Entries 87
Mean 257.2
Std Dev 193.2

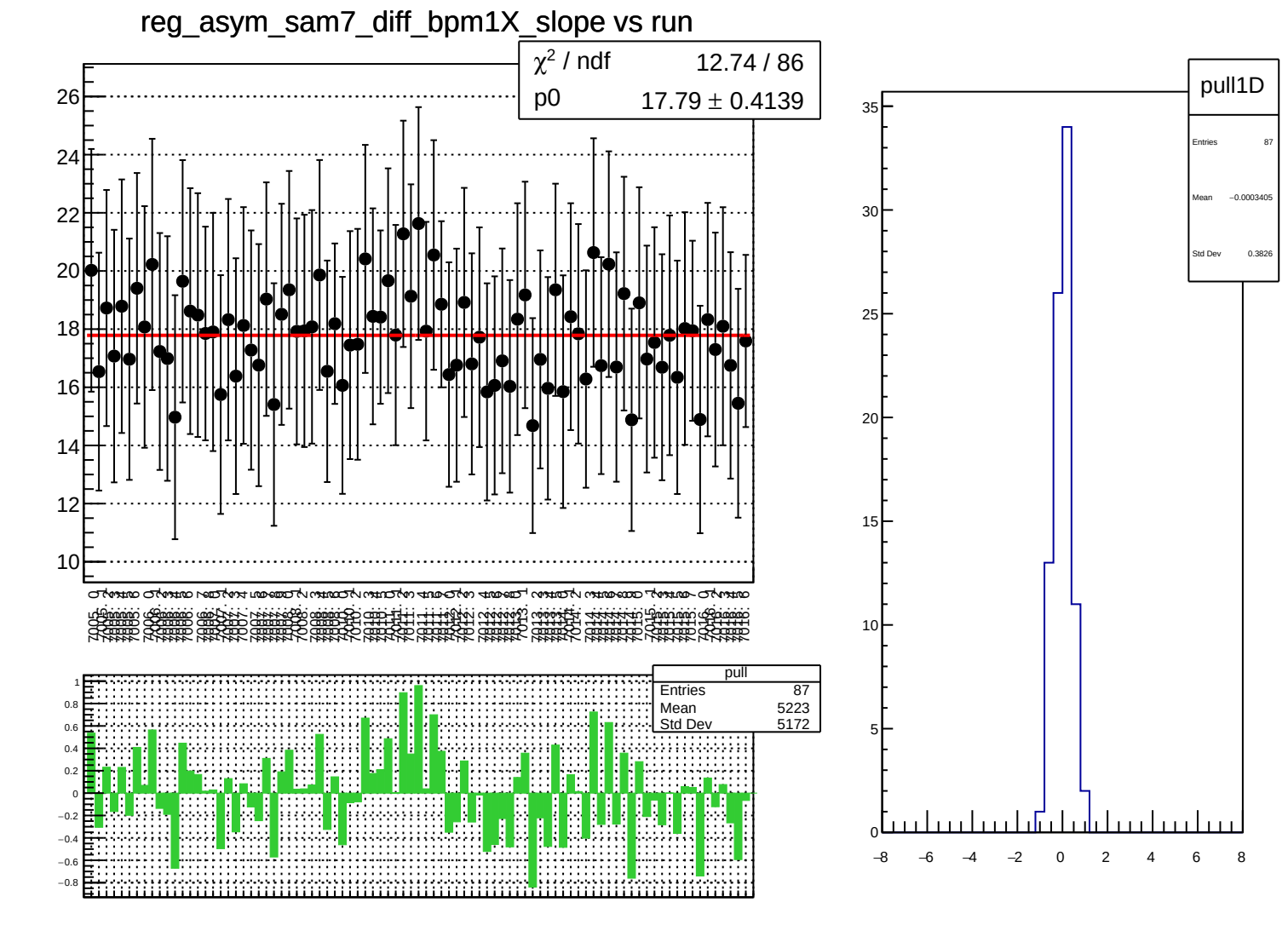

pull1D
Entries 87
Mean 0.01406
Std Dev 0.3328

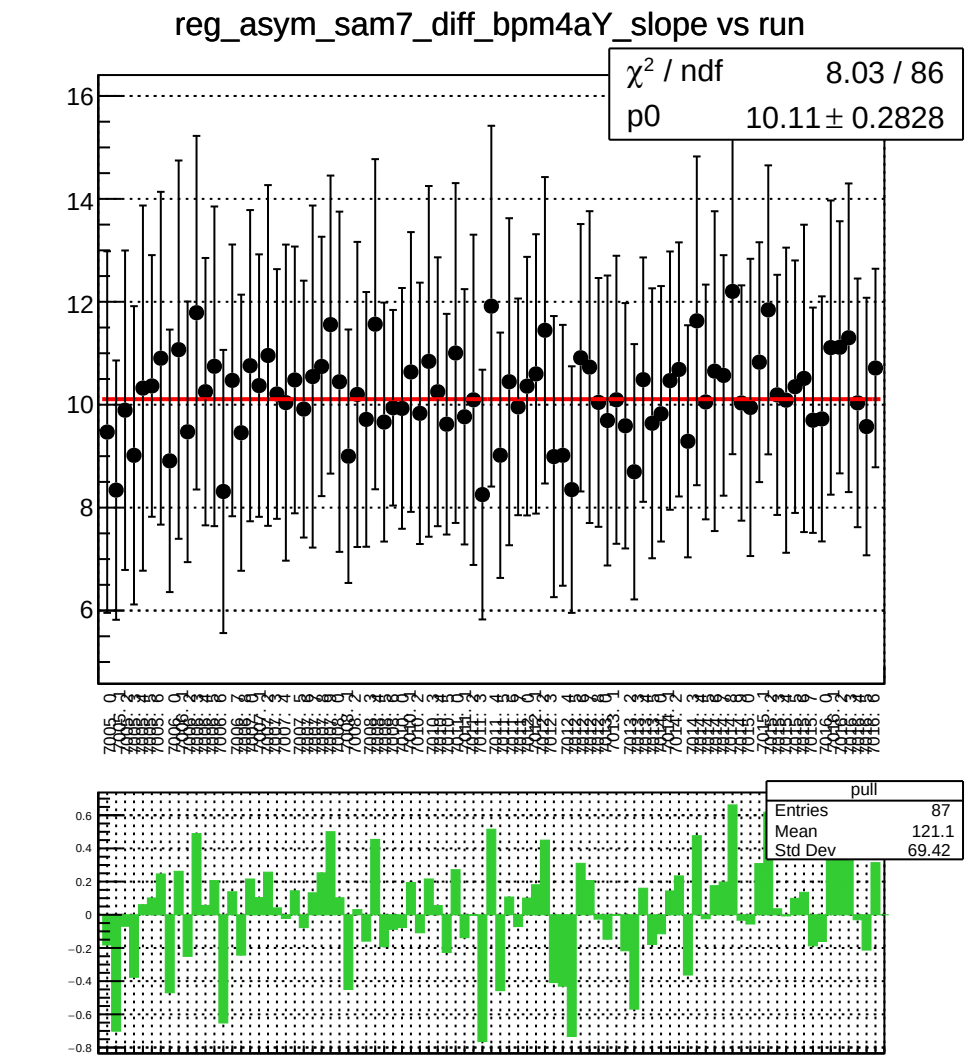

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.44 / 86
p0 75.34 ± 0.7427
pull
Entries 87
Mean 779.2
Std Dev 738.8

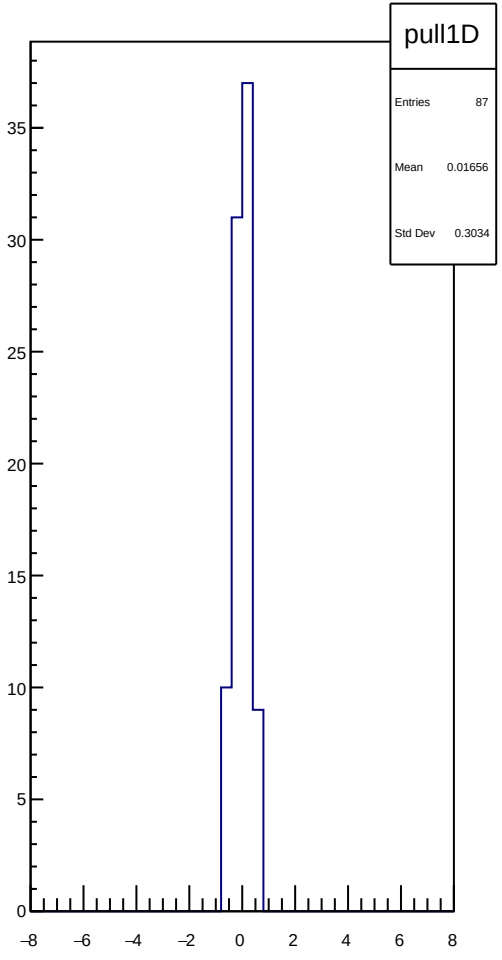

pull1D
Entries 87
Mean −0.004664
Std Dev 0.393

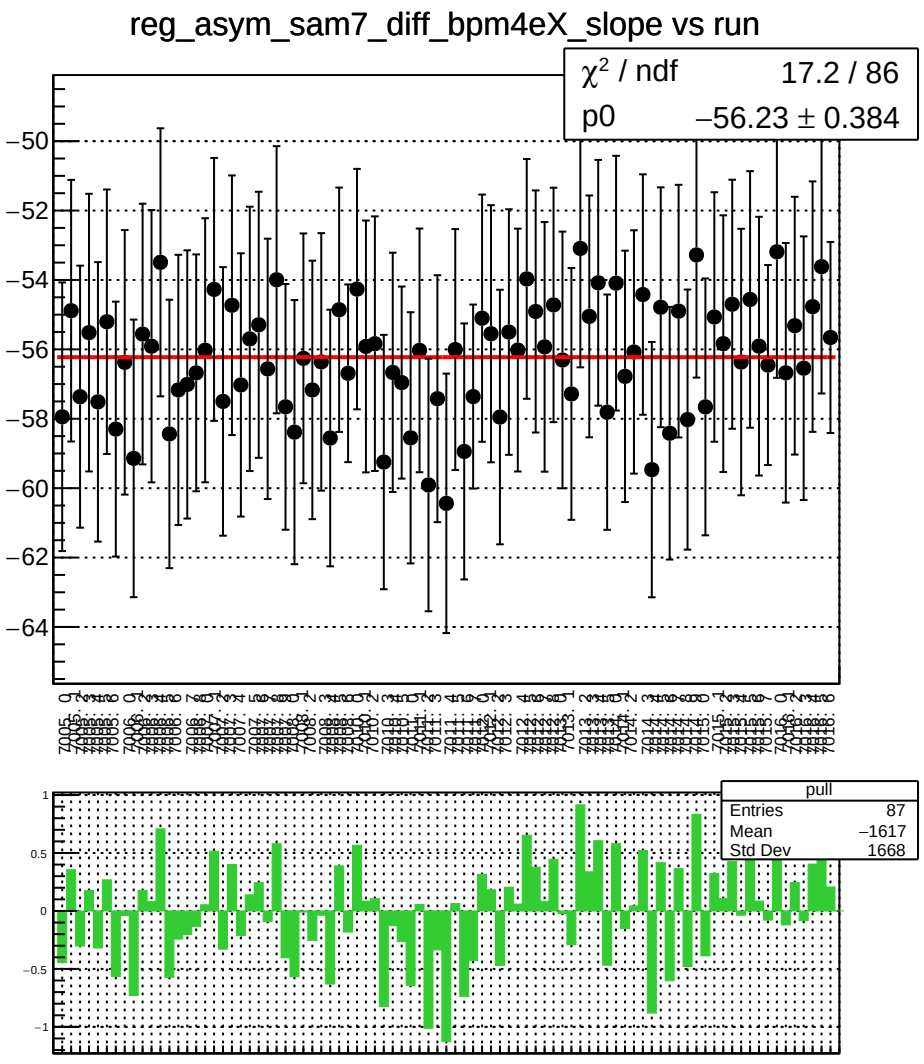

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 68.96 / 86
p0 −0.2065 ± 0.03407
pull
Entries 87
Mean 381.2
Std Dev 334.2

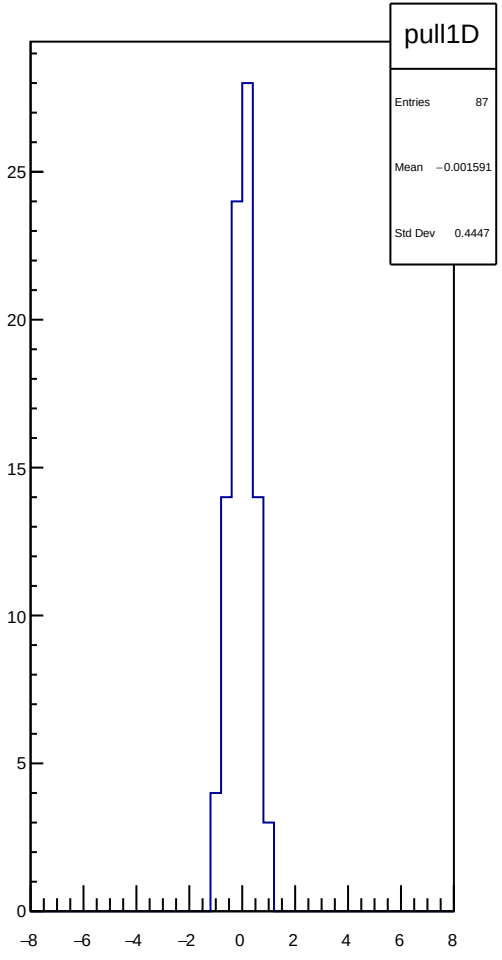

pull1D
Entries 87
Mean −0.05563
Std Dev 0.8886

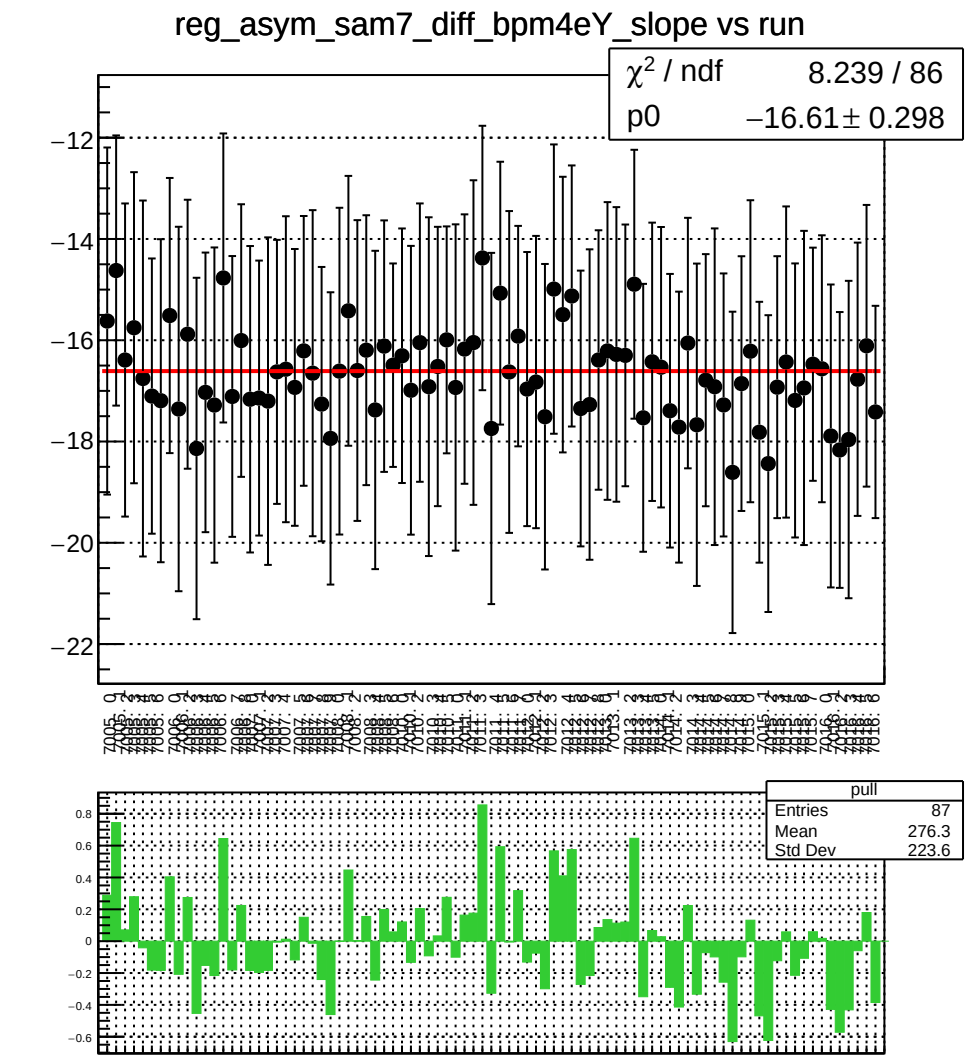

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 12.74 / 86
p0 17.79 ± 0.4139
pull
Entries 87
Mean 5223
Std Dev 5172
pull1D
Entries 87
Mean −0.0003405
Std Dev 0.3826

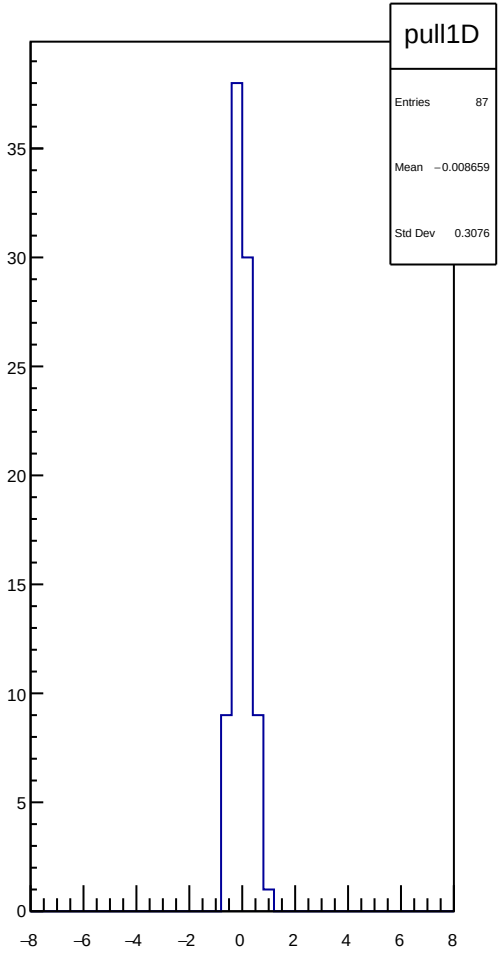

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 8.03 / 86
p0 10.11 ± 0.2828
pull
Entries 87
Mean 121.1
Std Dev 69.42

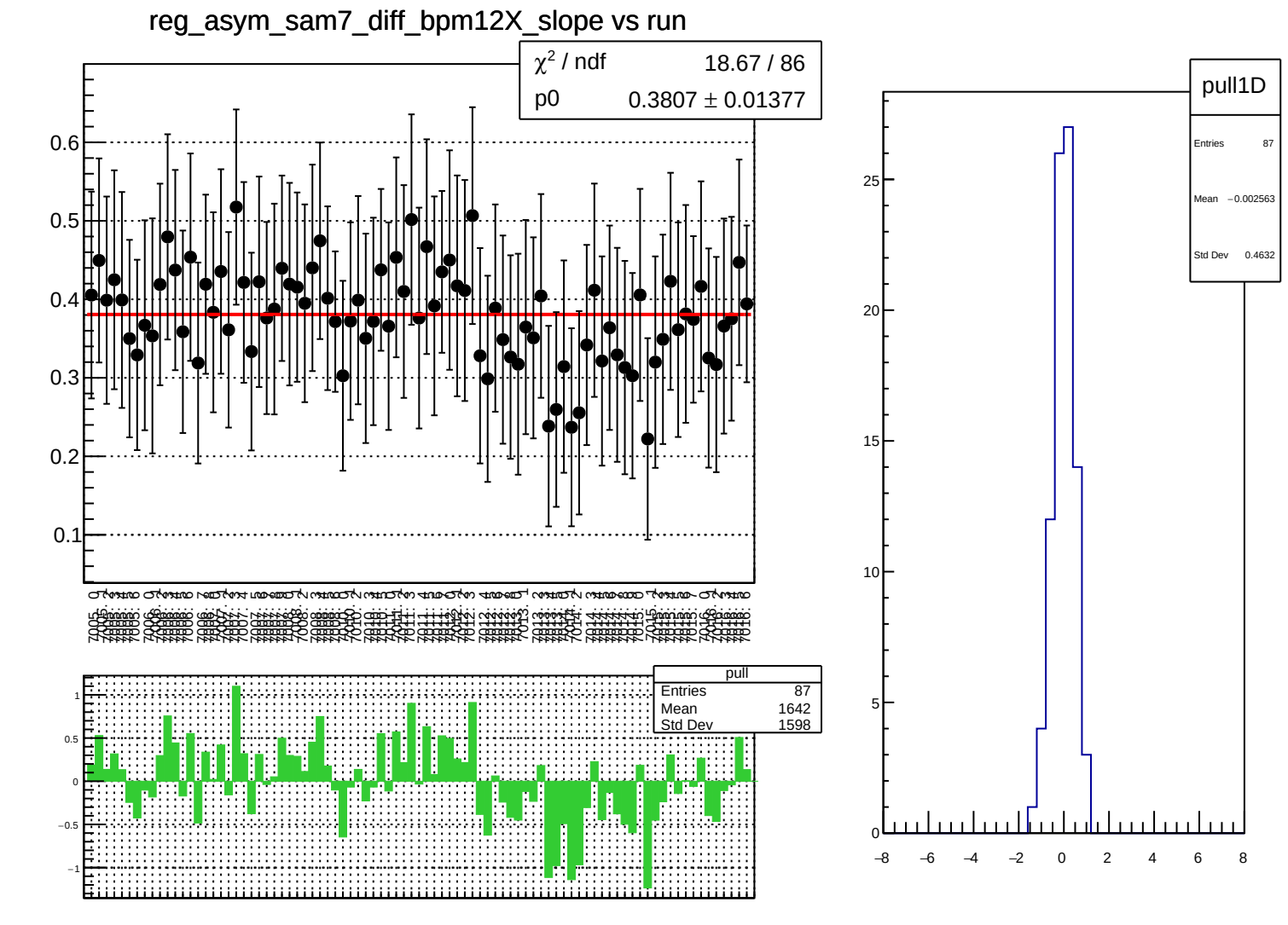

pull1D
Entries 87
Mean 0.01656
Std Dev 0.3034

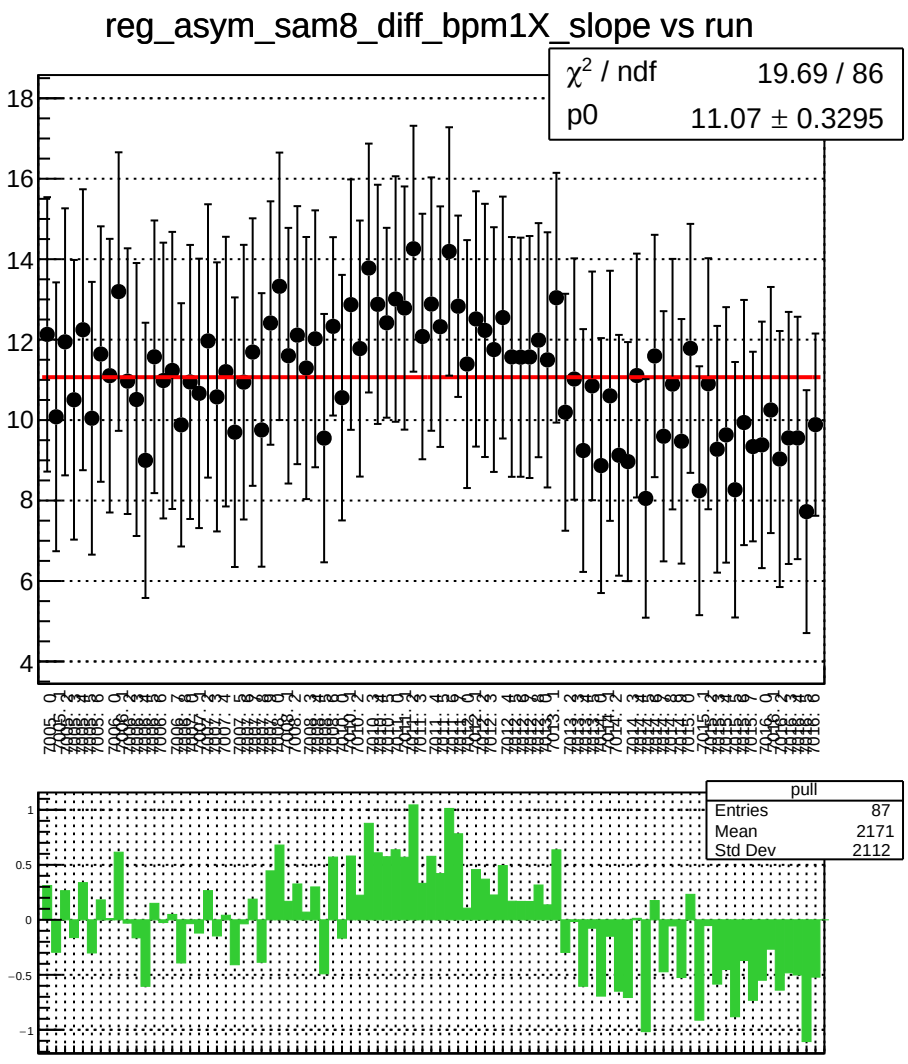

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 17.2 / 86
p0 −56.23 ± 0.384
pull
Entries 87
Mean −1617
Std Dev 1668

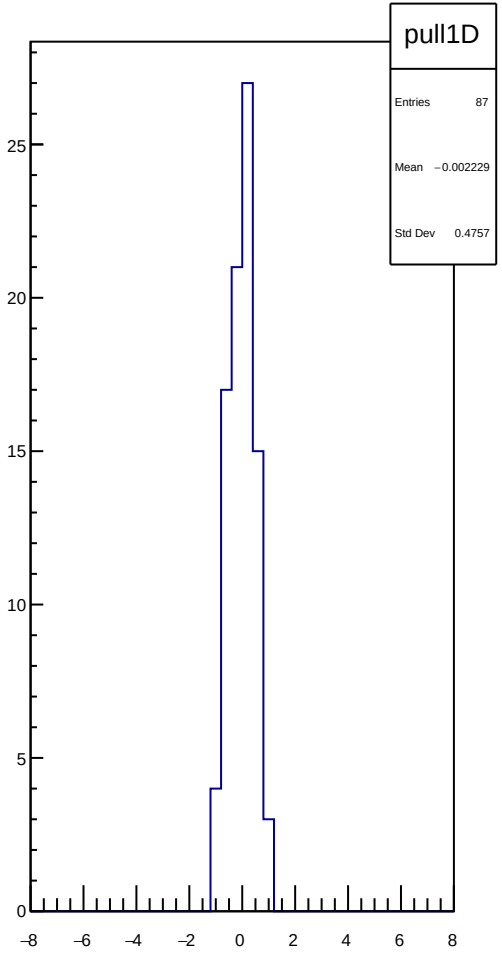

pull1D
Entries 87
Mean −0.001591
Std Dev 0.4447

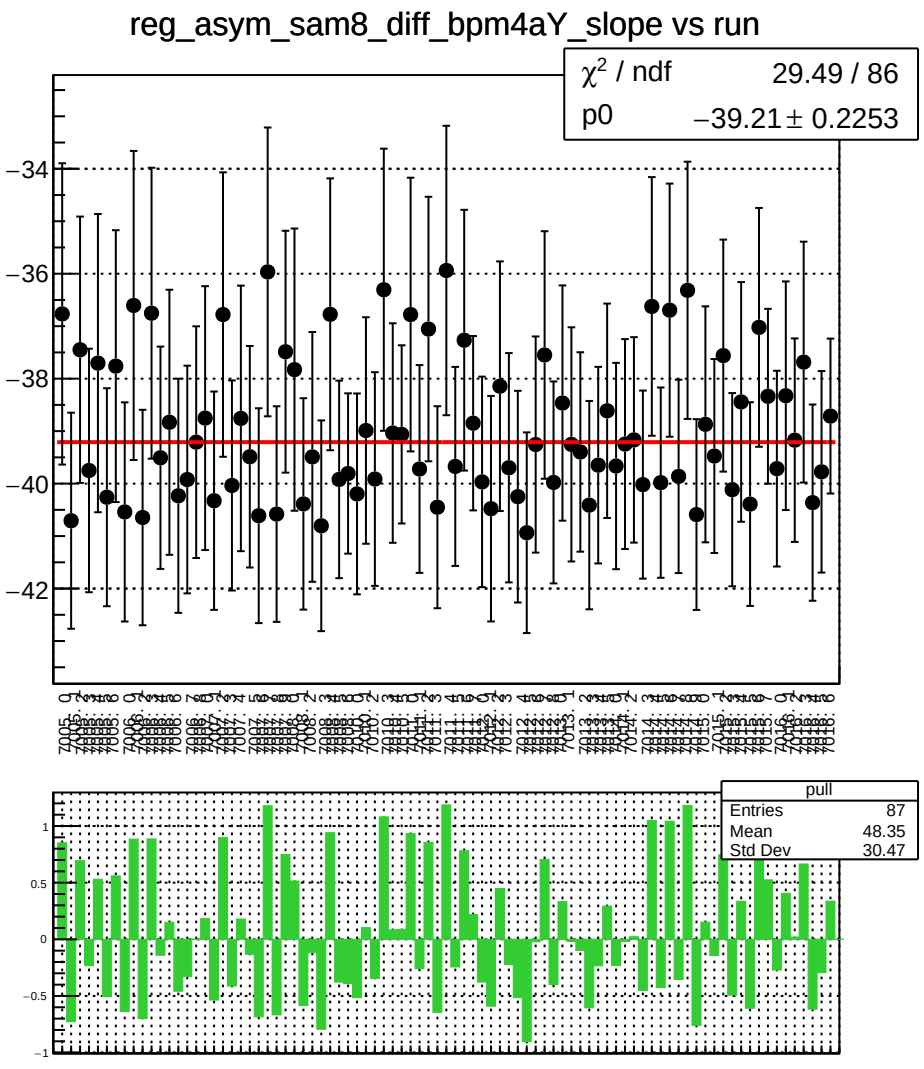

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 8.239 / 86
p0 −16.61 ± 0.298
pull
Entries 87
Mean 276.3
Std Dev 223.6

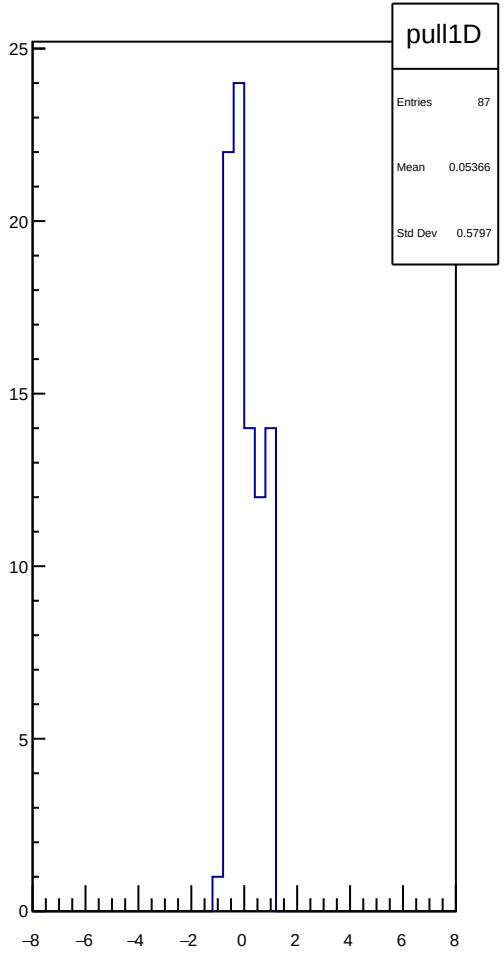

pull1D
Entries 87
Mean −0.008659
Std Dev 0.3076

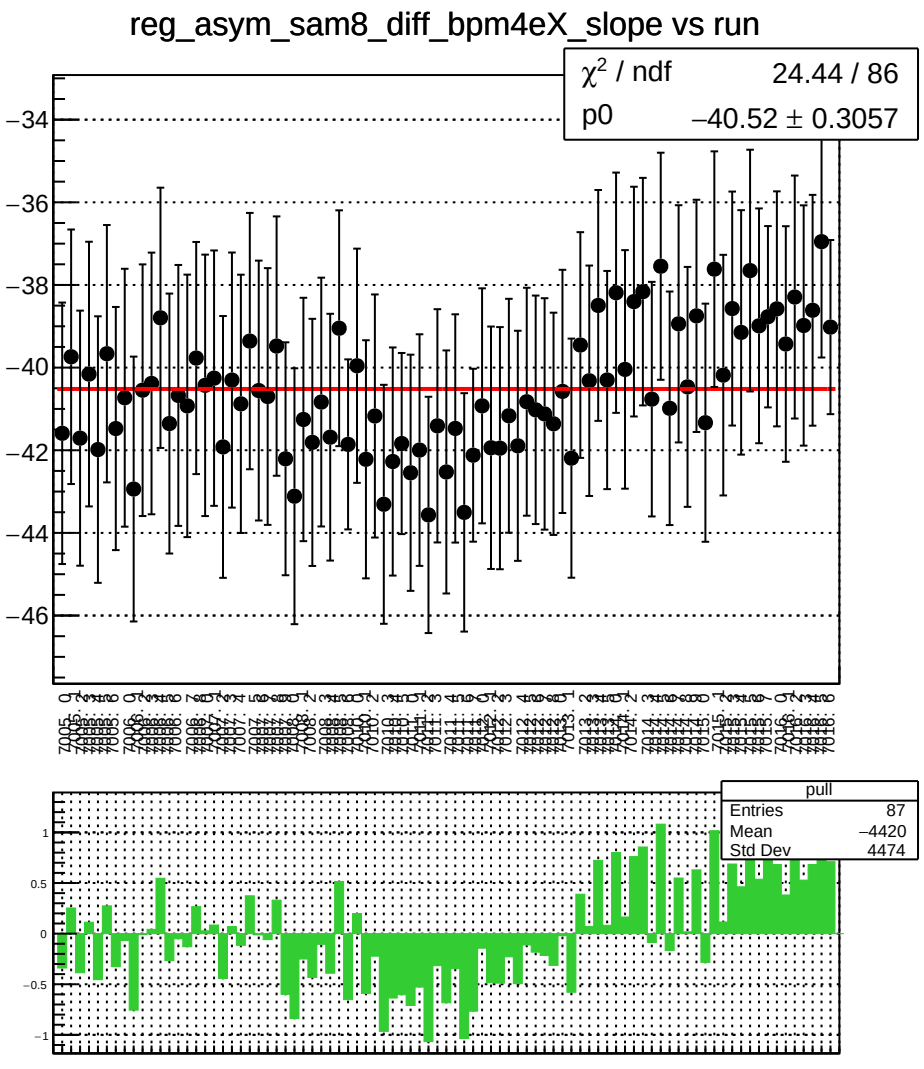

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 18.67 / 86
p0 0.3807 ± 0.01377
pull
Entries 87
Mean 1642
Std Dev 1598
pull1D
Entries 87
Mean −0.002563
Std Dev 0.4632

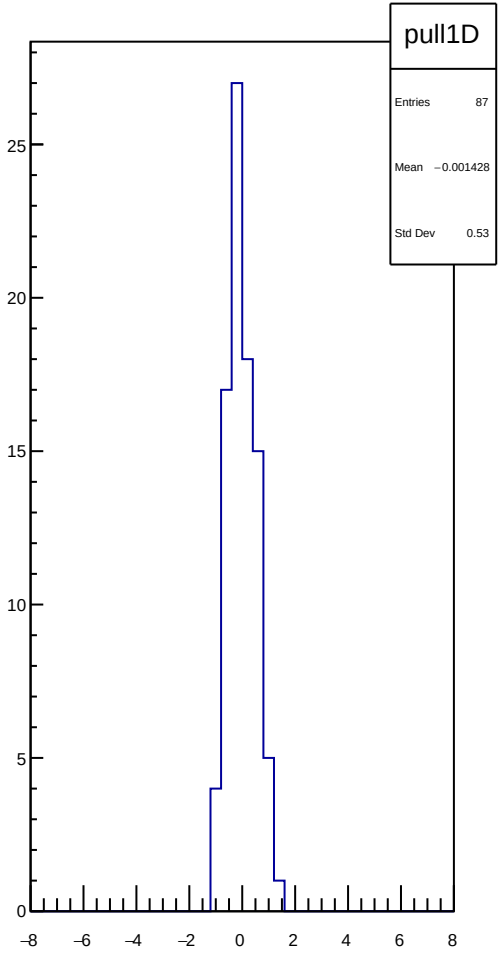

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 19.69 / 86
p0 11.07 ± 0.3295
pull
Entries 87
Mean 2171
Std Dev 2112

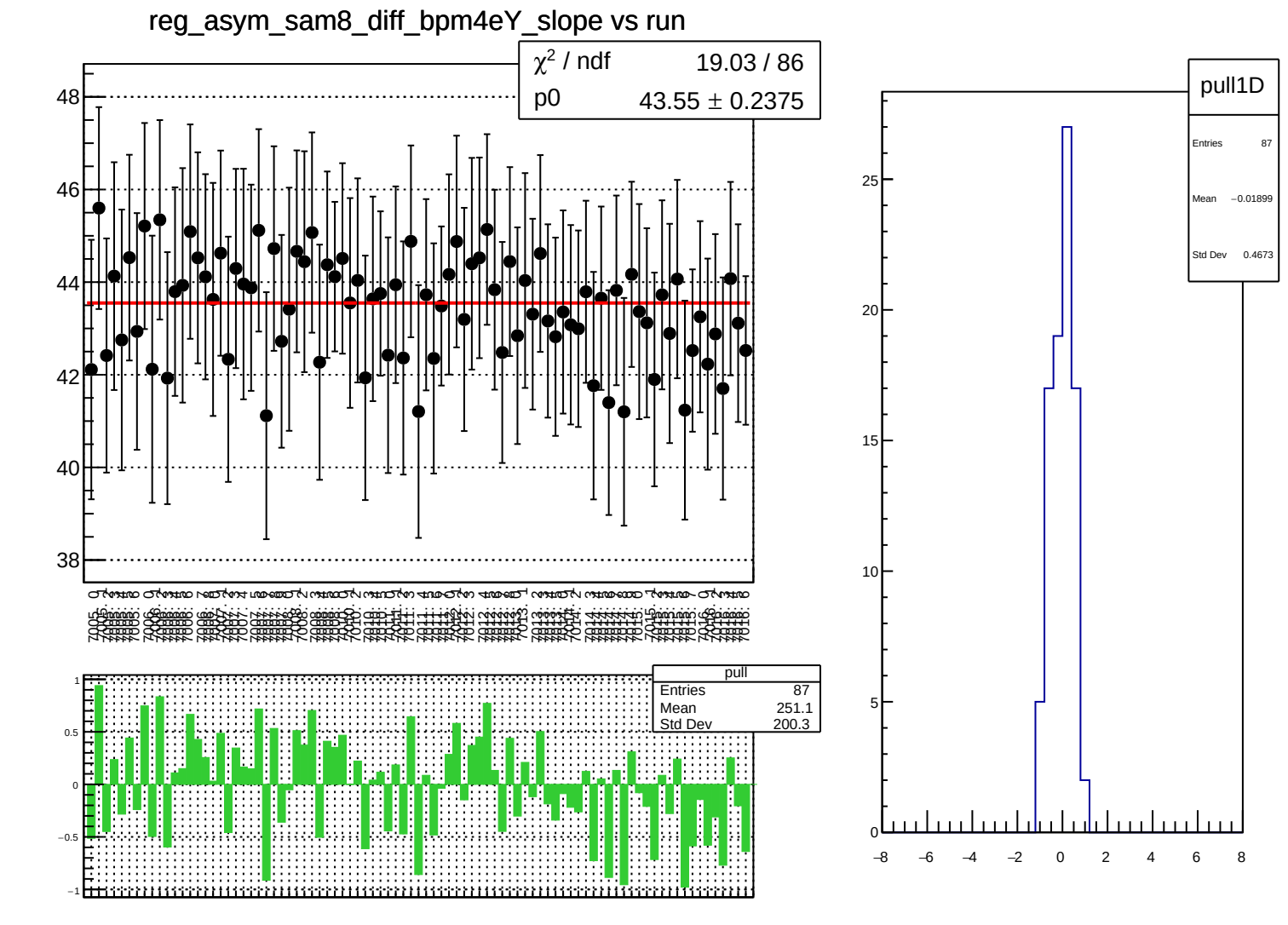

pull1D
Entries 87
Mean −0.002229
Std Dev 0.4757

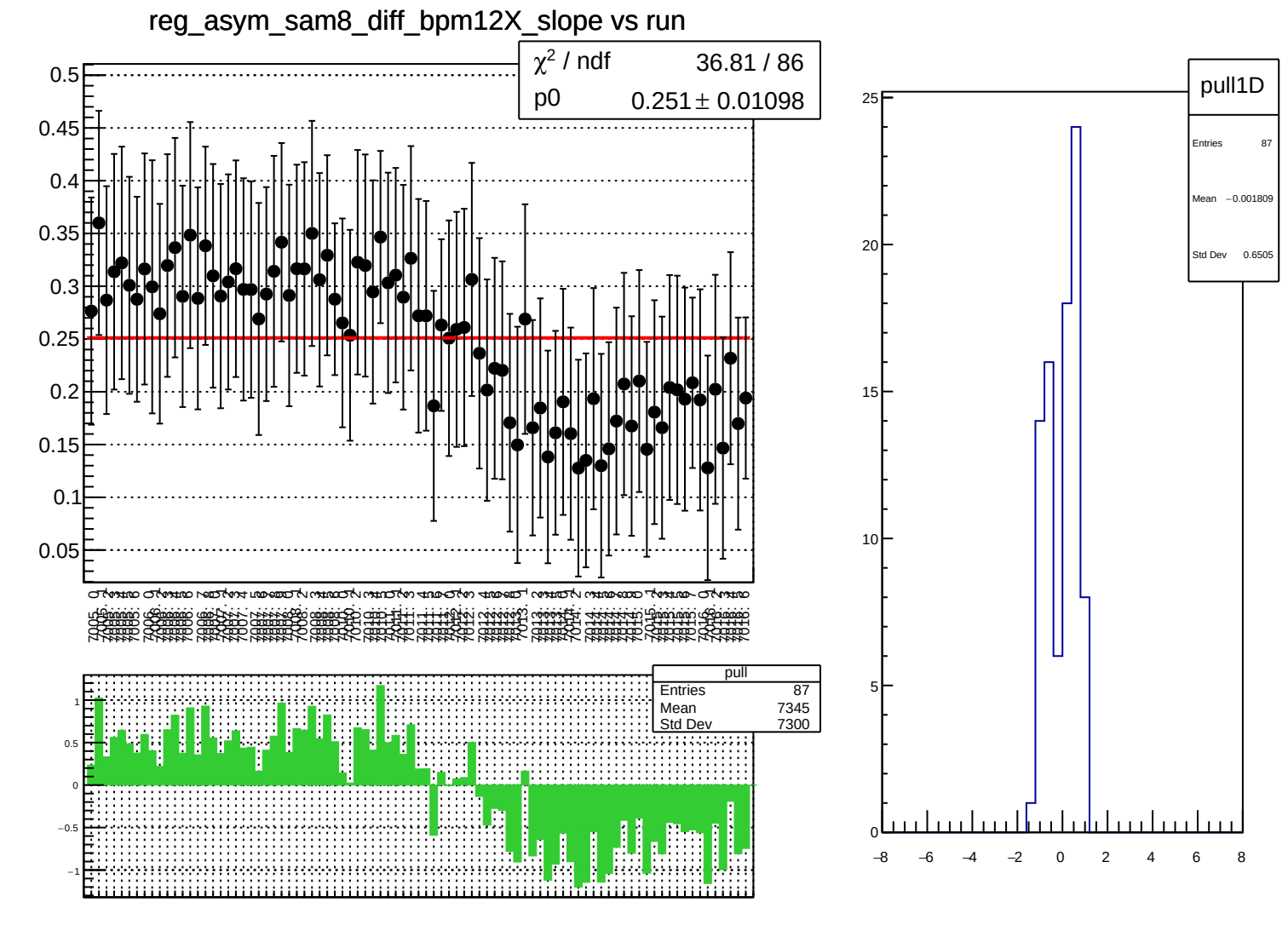

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 29.49 / 86
p0 −39.21 ± 0.2253
−34
−36
−38
−40
−42
pull
Entries 87
Mean 48.35
Std Dev 30.47
1
0.5
0
−0.5
−1

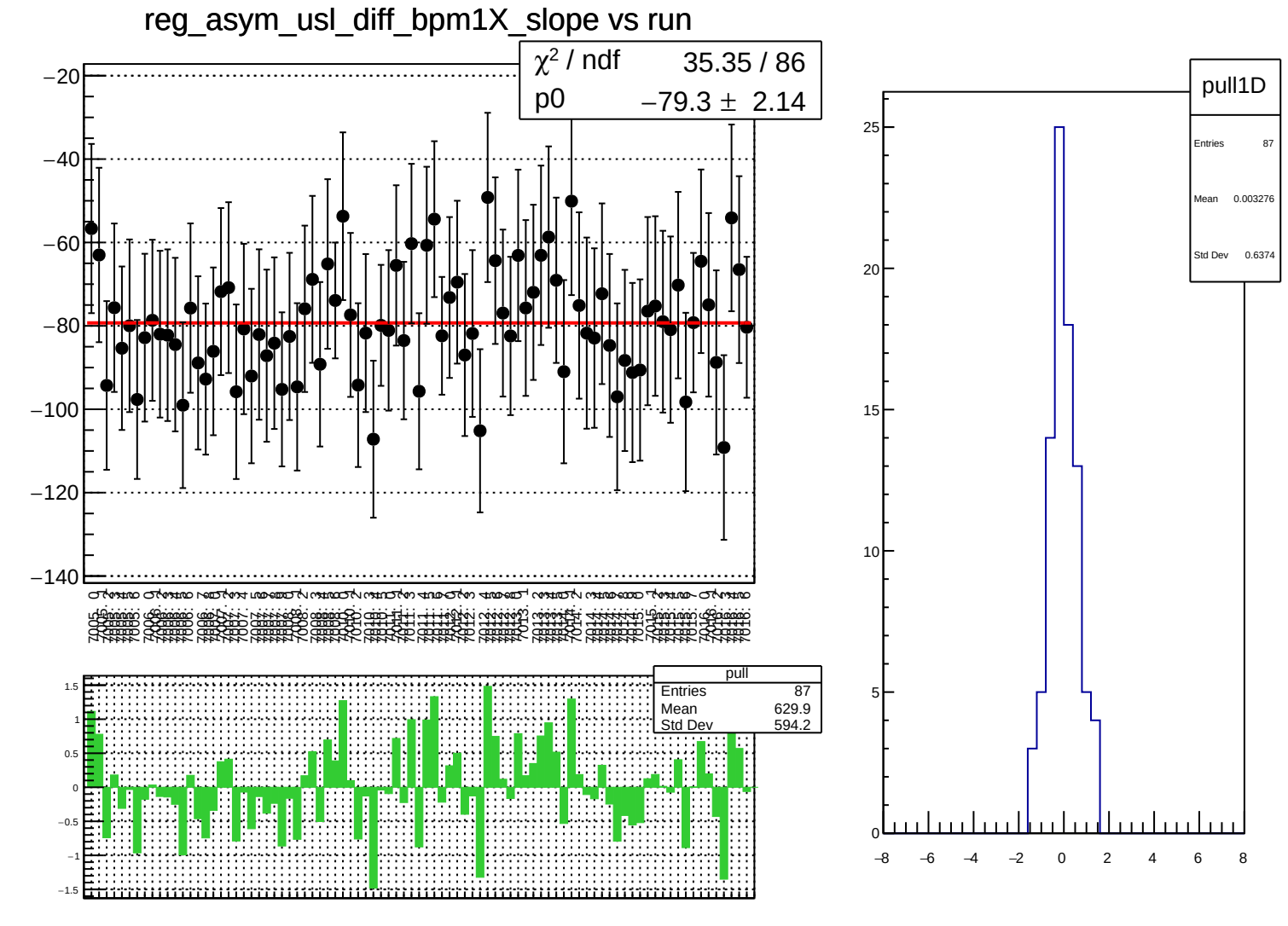

pull1D
Entries 87
Mean 0.05366
Std Dev 0.5797
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

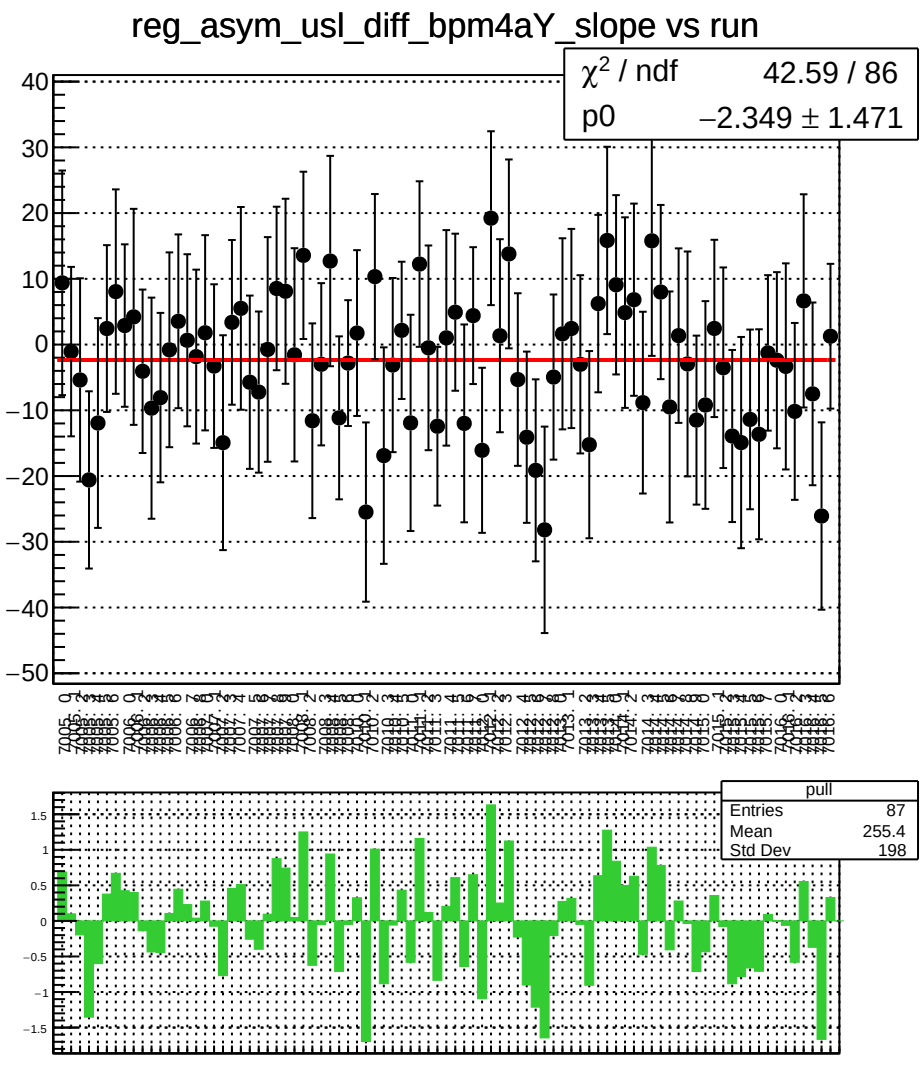

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 24.44 / 86
p0 −40.52 ± 0.3057
−34
−36
−38
−40
−42
−44
−46
pull
Entries 87
Mean −4420
Std Dev 4474
1
0.5
0
−0.5
−1

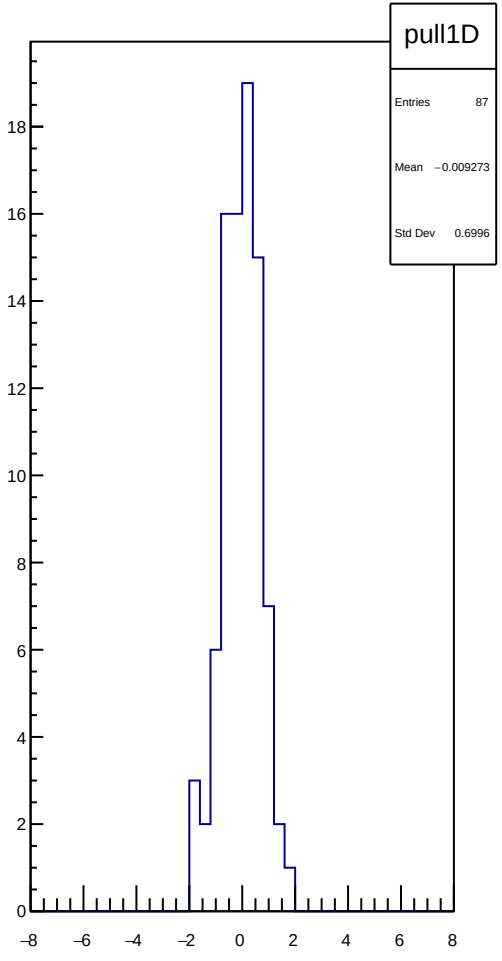

pull1D
Entries 87
Mean −0.001428
Std Dev 0.53
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

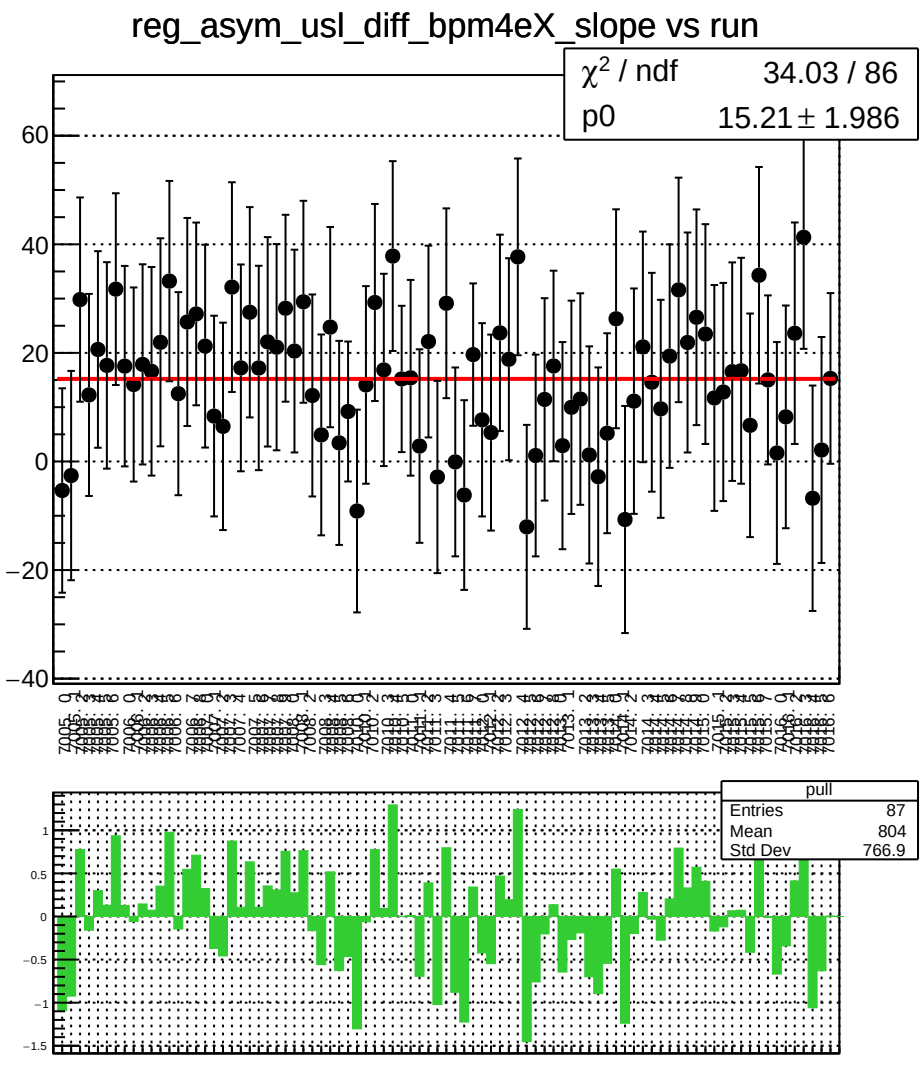

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 19.03 / 86
p0 43.55 ± 0.2375
pull
Entries 87
Mean 251.1
Std Dev 200.3
pull1D
Entries 87
Mean −0.01899
Std Dev 0.4673

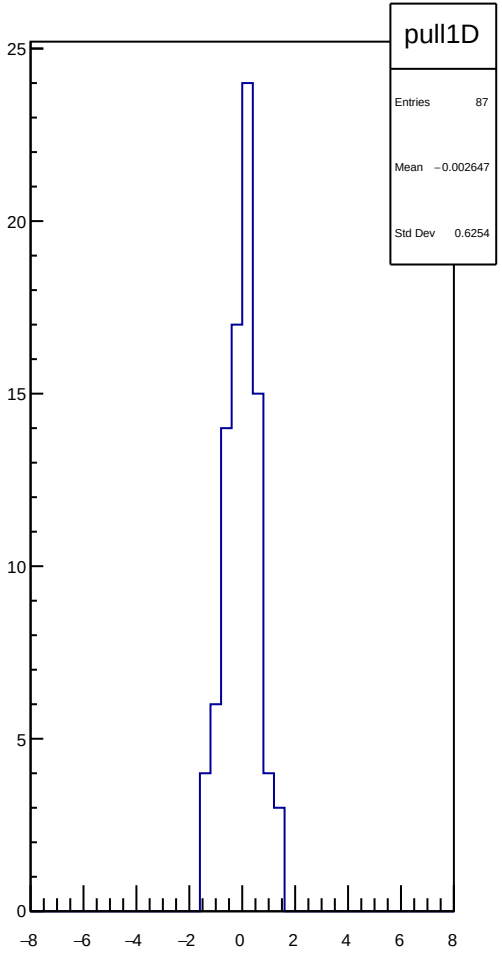

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 36.81 / 86
p0 0.251 ± 0.01098
pull
Entries 87
Mean 7345
Std Dev 7300
pull1D
Entries 87
Mean −0.001809
Std Dev 0.6505

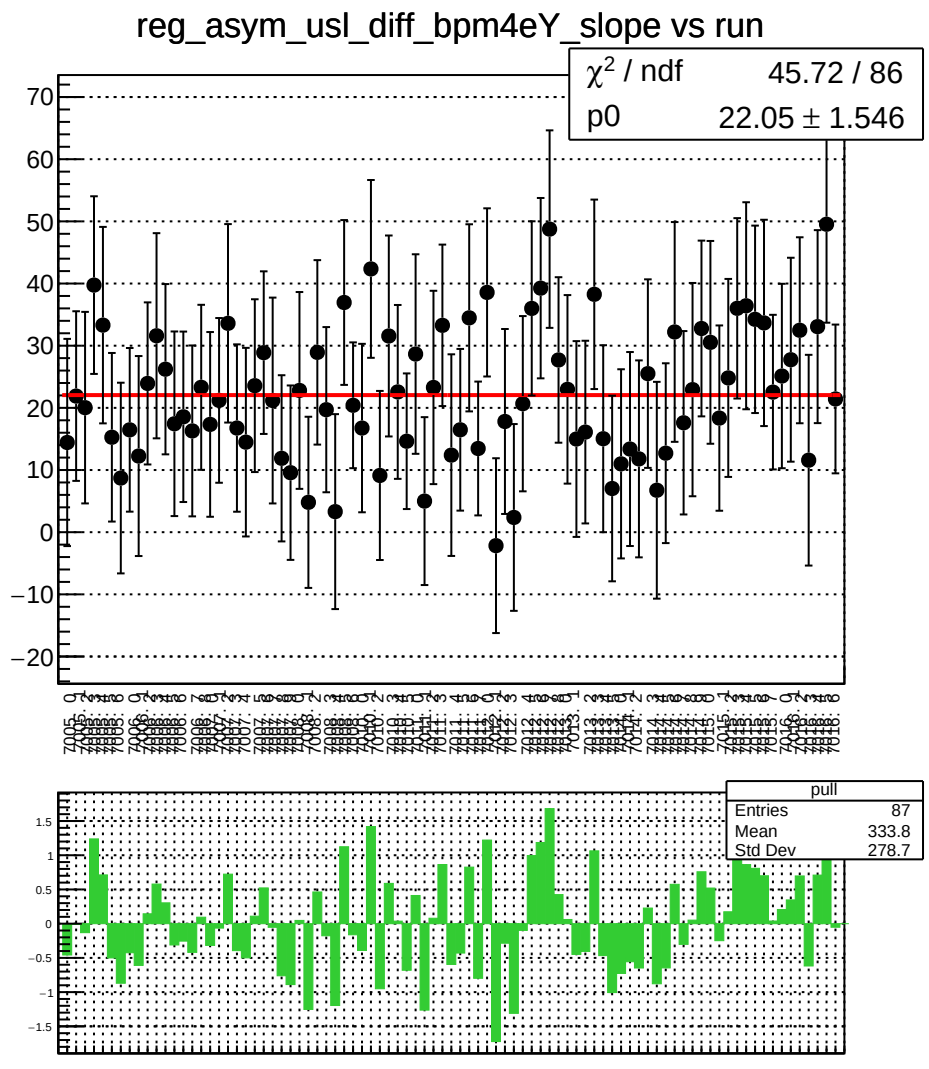

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 35.35 / 86
p0 −79.3 ± 2.14
−20
−40
−60
−80
−100
−120
−140
pull
Entries 87
Mean 629.9
Std Dev 594.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.003276
Std Dev 0.6374
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

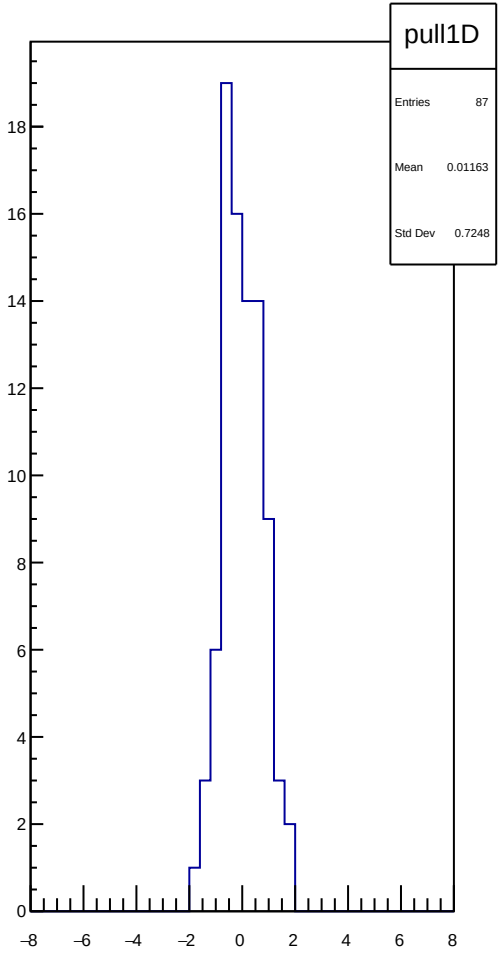

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.59 / 86
p0 −2.349 ± 1.471
pull
Entries 87
Mean 255.4
Std Dev 198

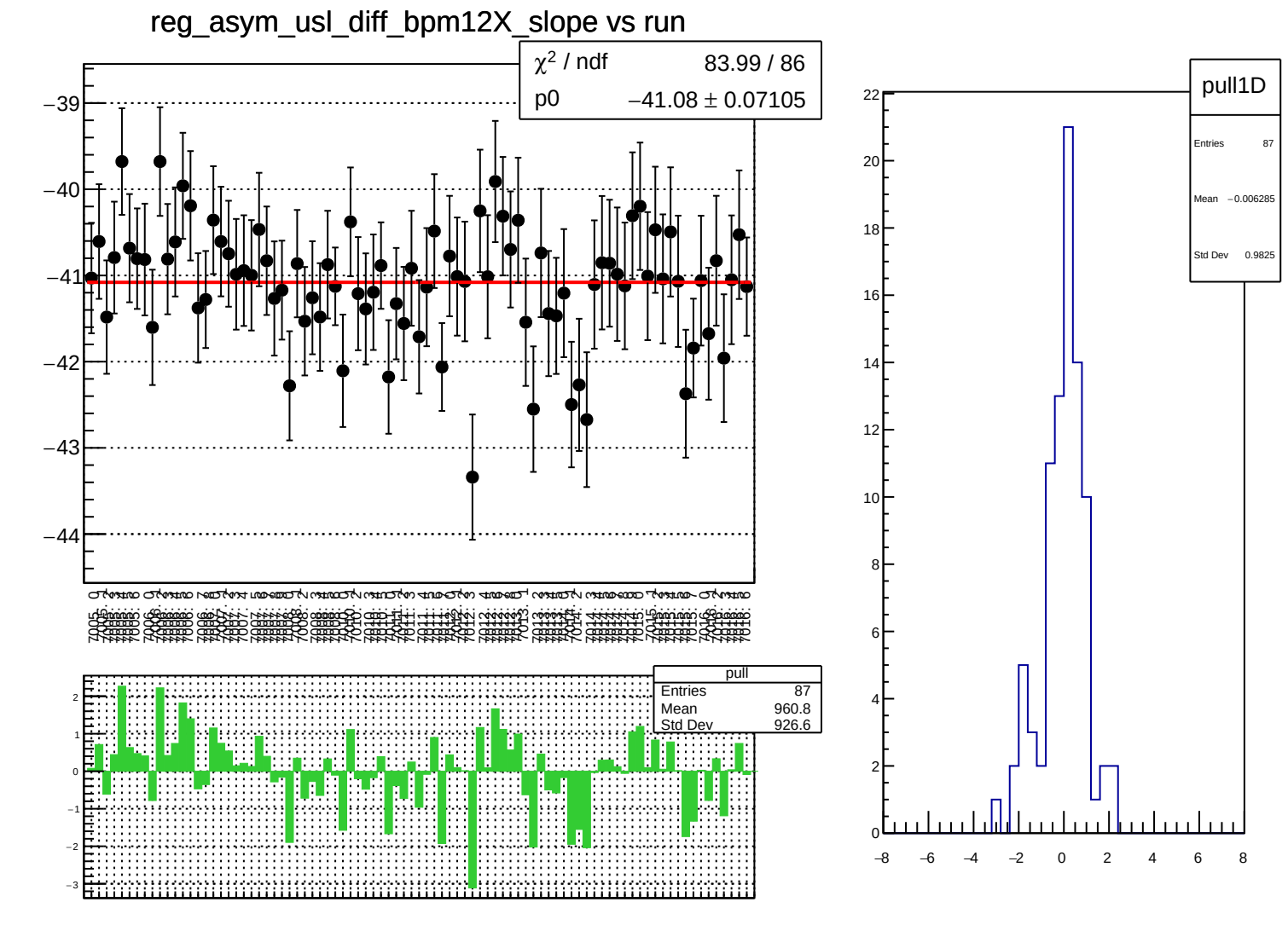

pull1D
Entries 87
Mean −0.009273
Std Dev 0.6996

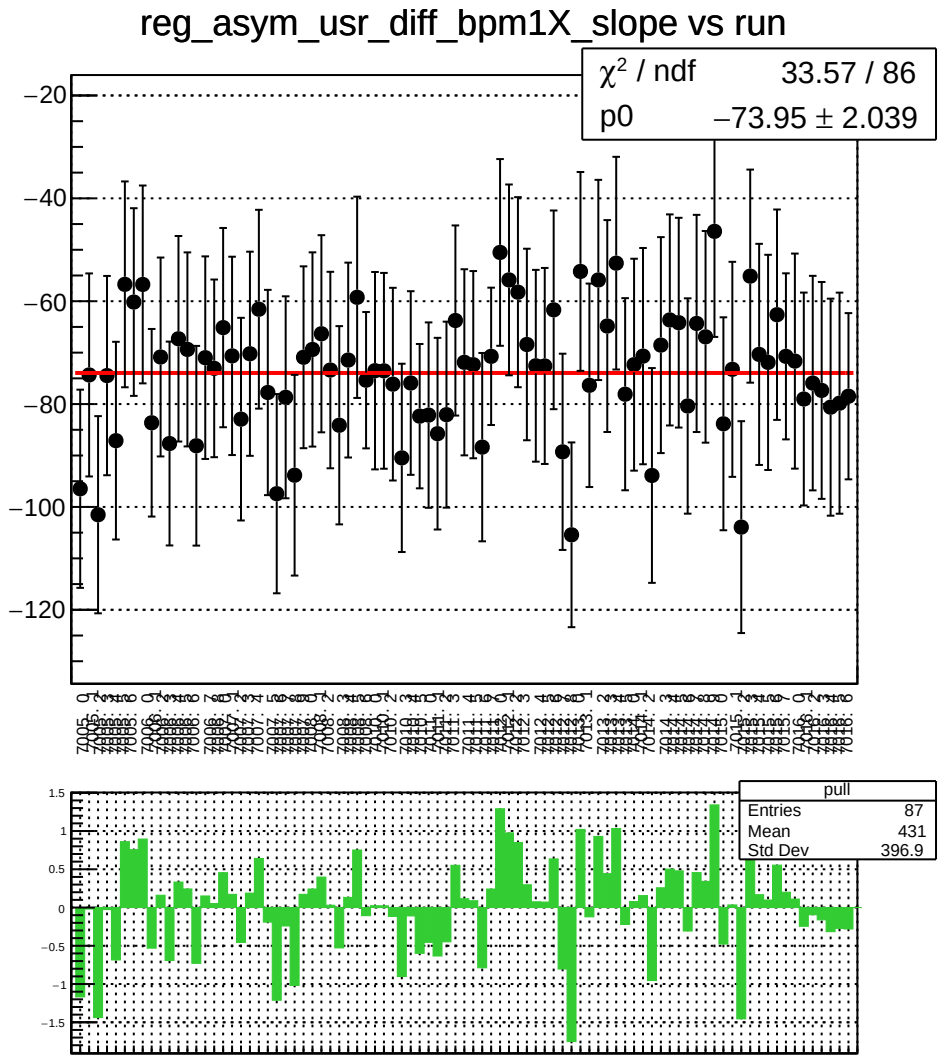

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.03 / 86
p0 15.21 ± 1.986
pull
Entries 87
Mean 804
Std Dev 766.9

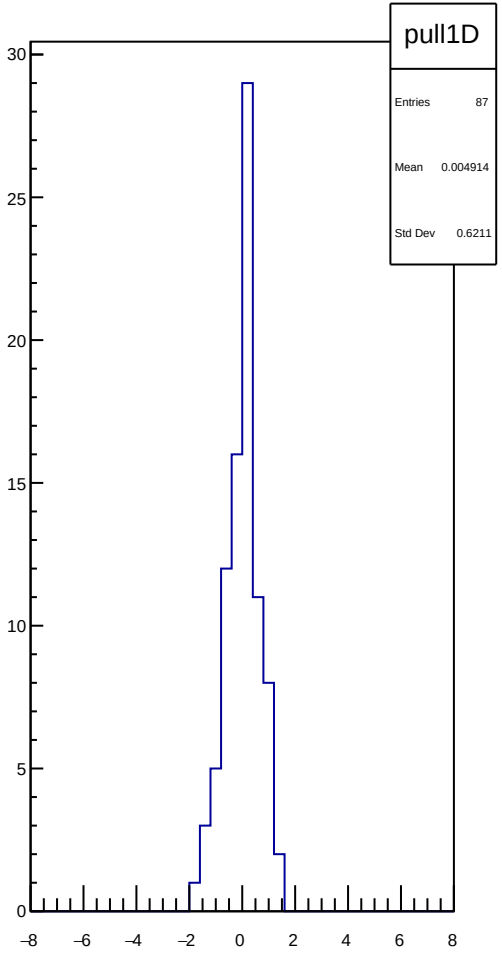

pull1D
Entries 87
Mean −0.002647
Std Dev 0.6254

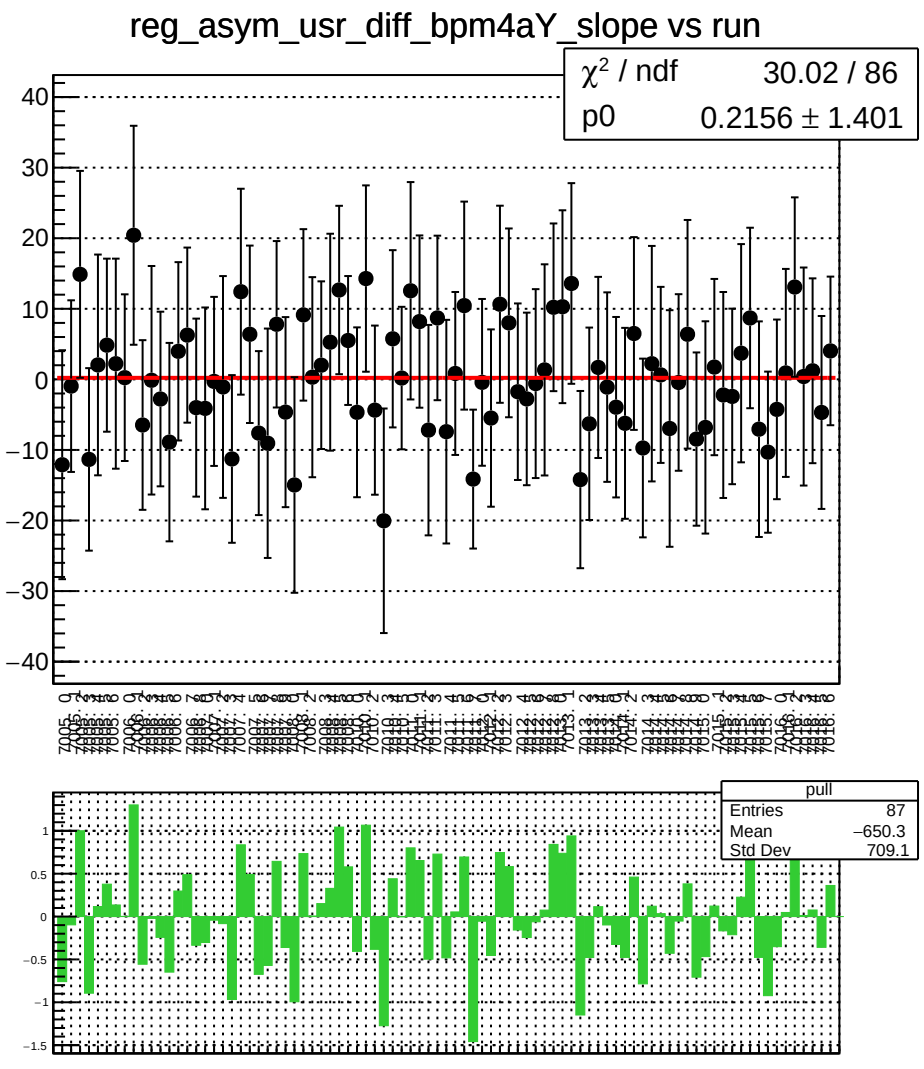

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 45.72 / 86
p0 22.05 ± 1.546
pull
Entries 87
Mean 333.8
Std Dev 278.7

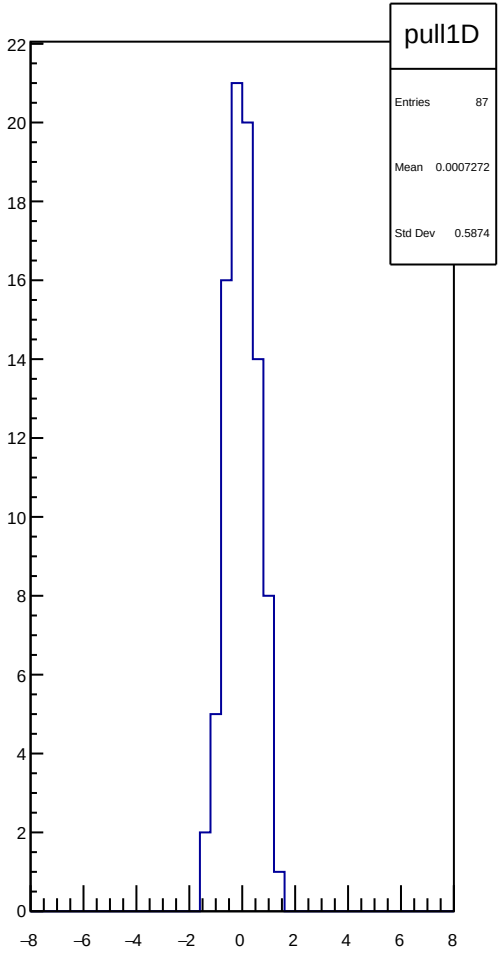

pull1D
Entries 87
Mean 0.01163
Std Dev 0.7248

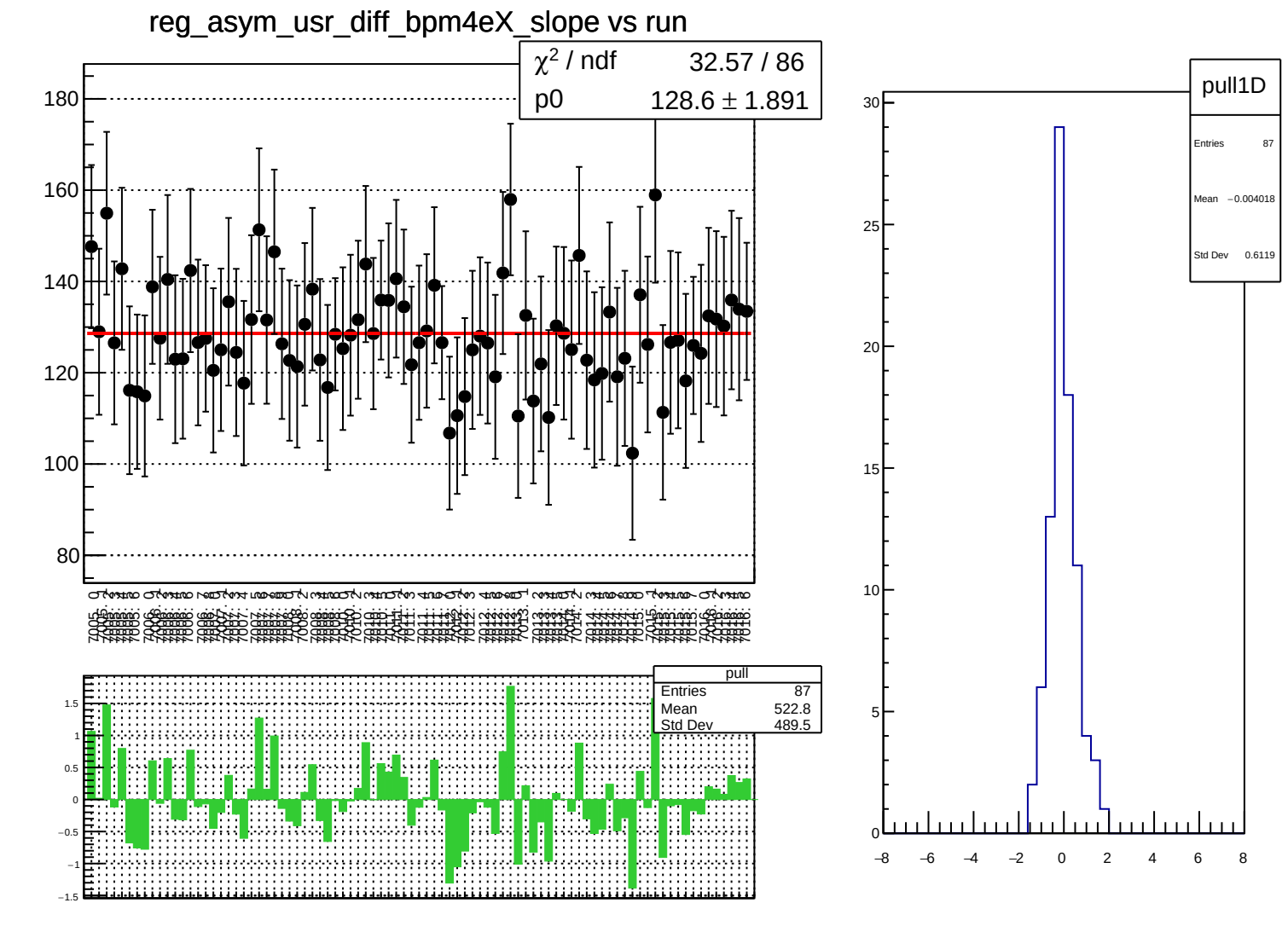

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 83.99 / 86
p0 −41.08 ± 0.07105
pull
Entries 87
Mean 960.8
Std Dev 926.6
pull1D
Entries 87
Mean −0.006285
Std Dev 0.9825

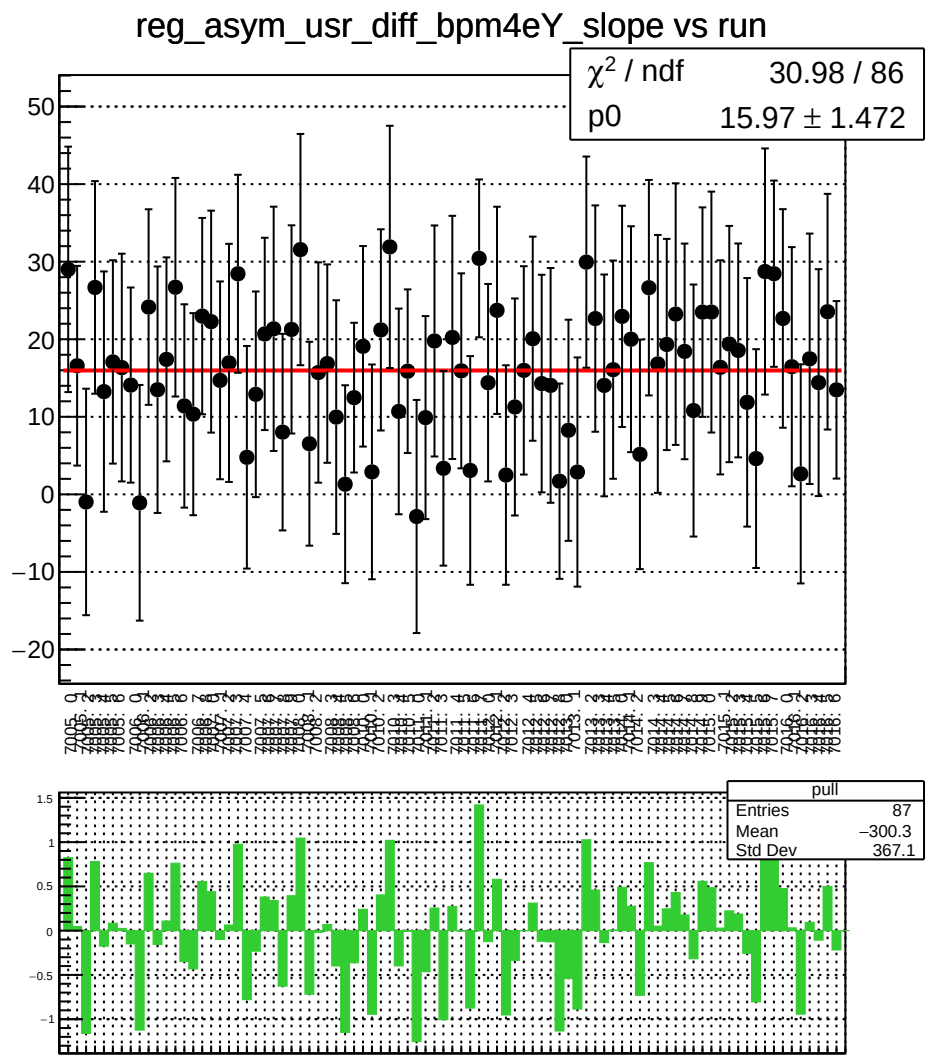

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 33.57 / 86
p0 −73.95 ± 2.039
pull
Entries 87
Mean 431
Std Dev 396.9

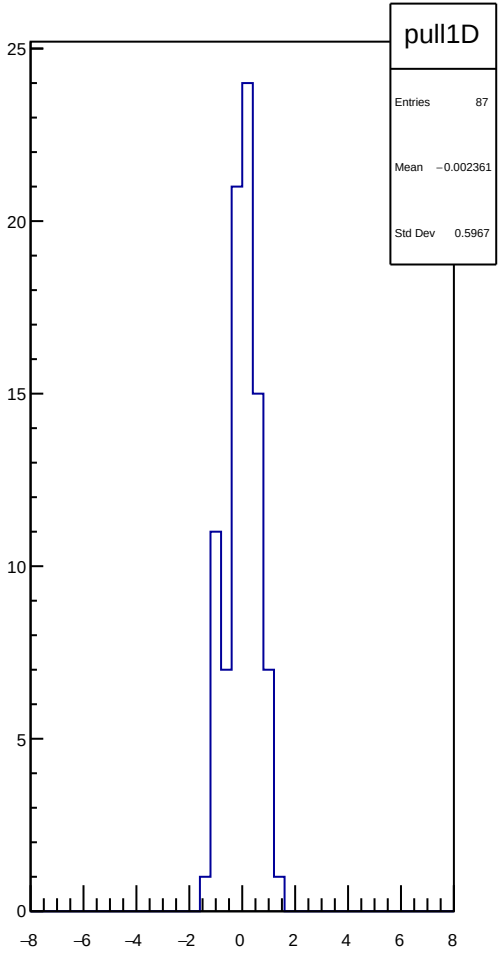

pull1D
Entries 87
Mean 0.004914
Std Dev 0.6211

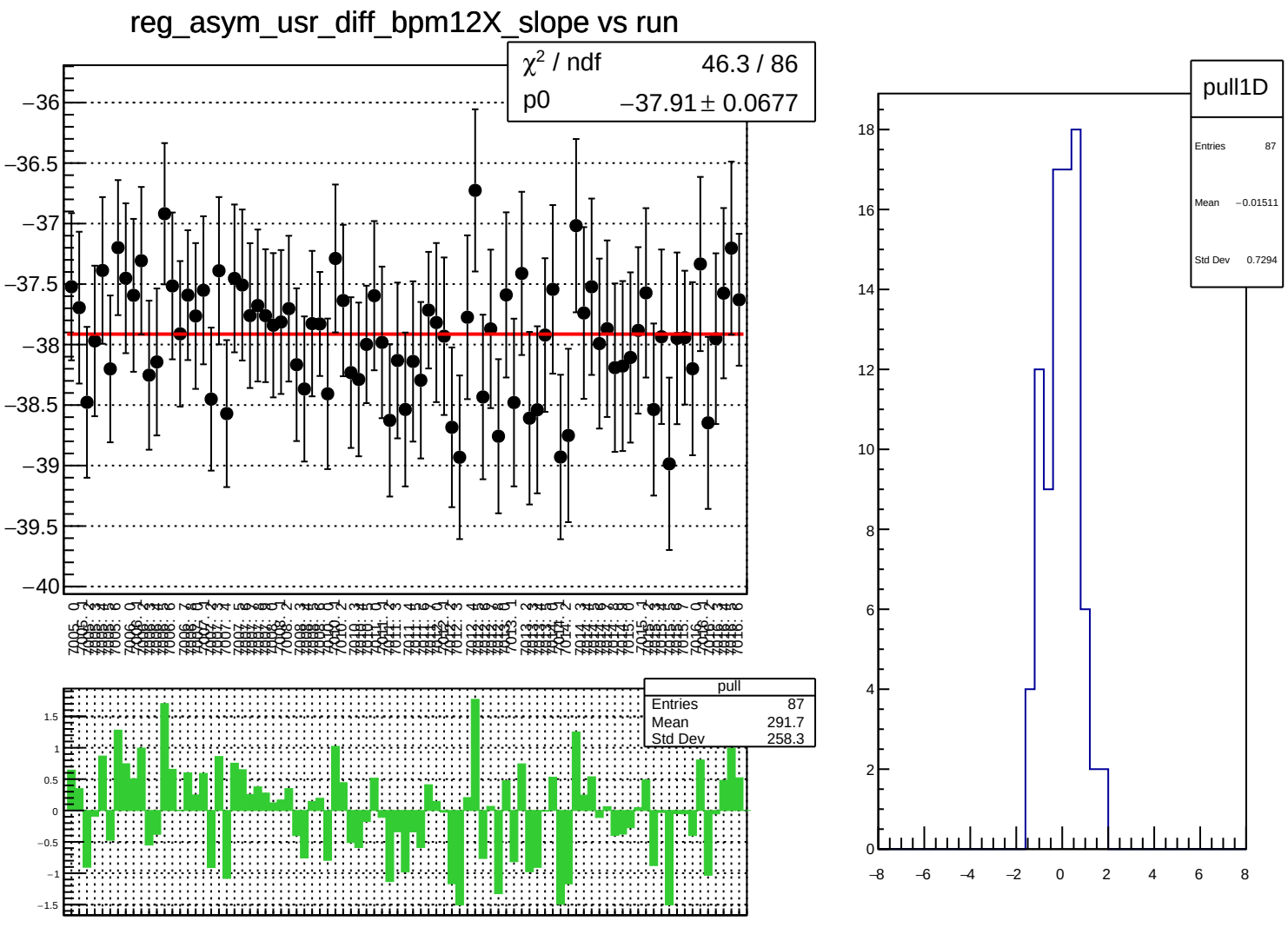

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 30.02 / 86
p0 0.2156 ± 1.401
pull
Entries 87
Mean −650.3
Std Dev 709.1

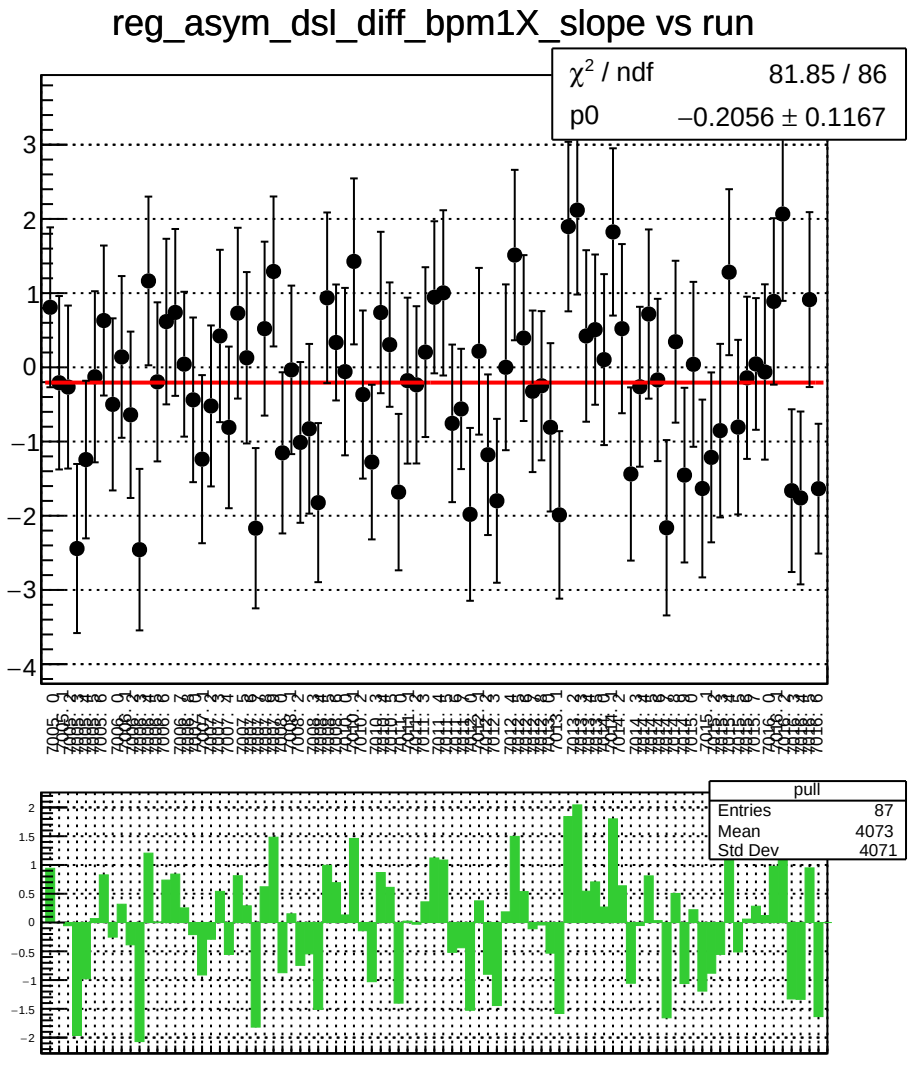

pull1D
Entries 87
Mean 0.0007272
Std Dev 0.5874

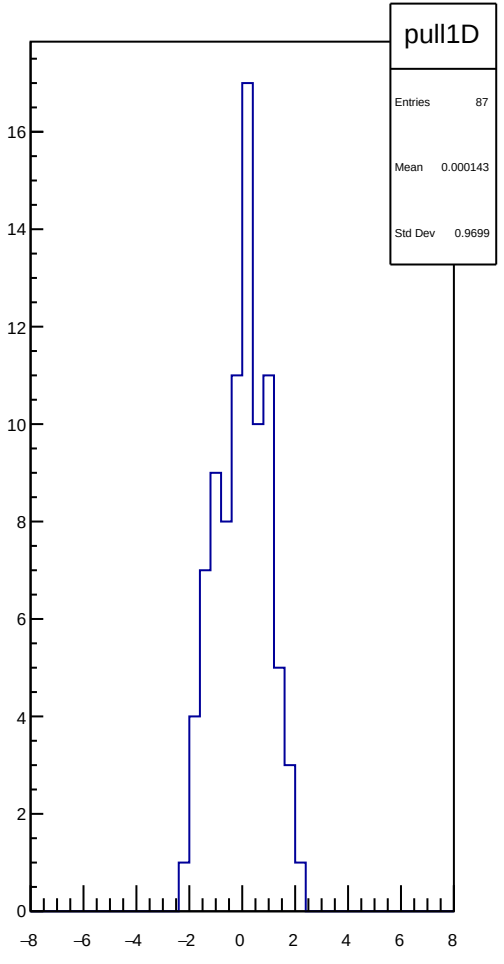

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 32.57 / 86
p0 128.6 ± 1.891
180
160
140
120
100
80
pull
Entries 87
Mean 522.8
Std Dev 489.5
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.004018
Std Dev 0.6119
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

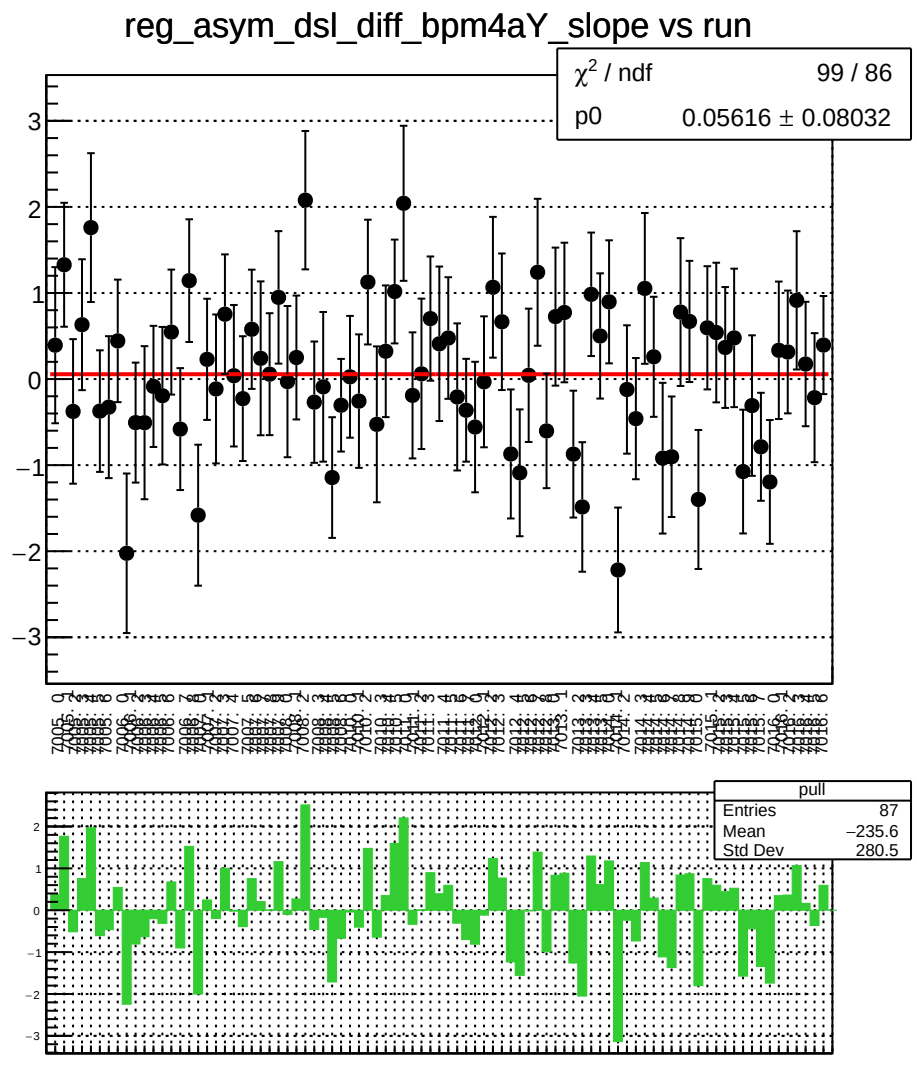

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 30.98 / 86
p0 15.97 ± 1.472
pull
Entries 87
Mean −300.3
Std Dev 367.1

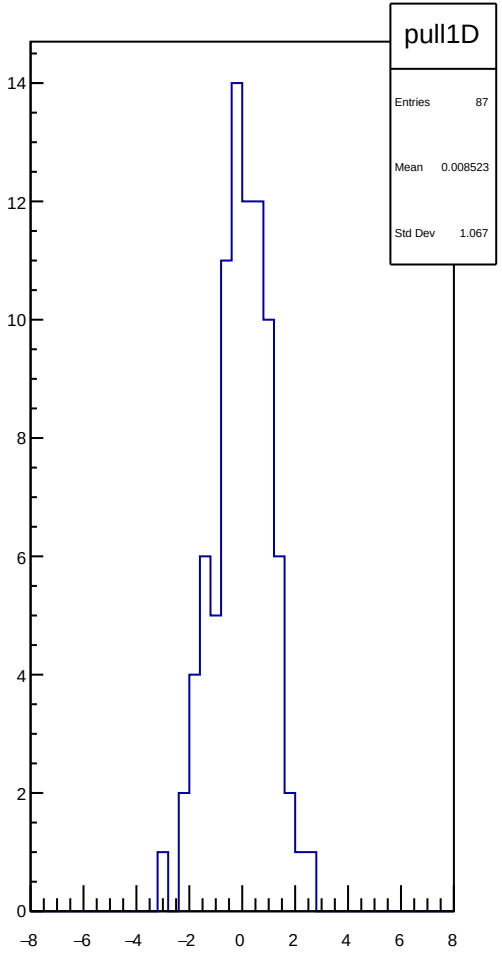

pull1D
Entries 87
Mean −0.002361
Std Dev 0.5967

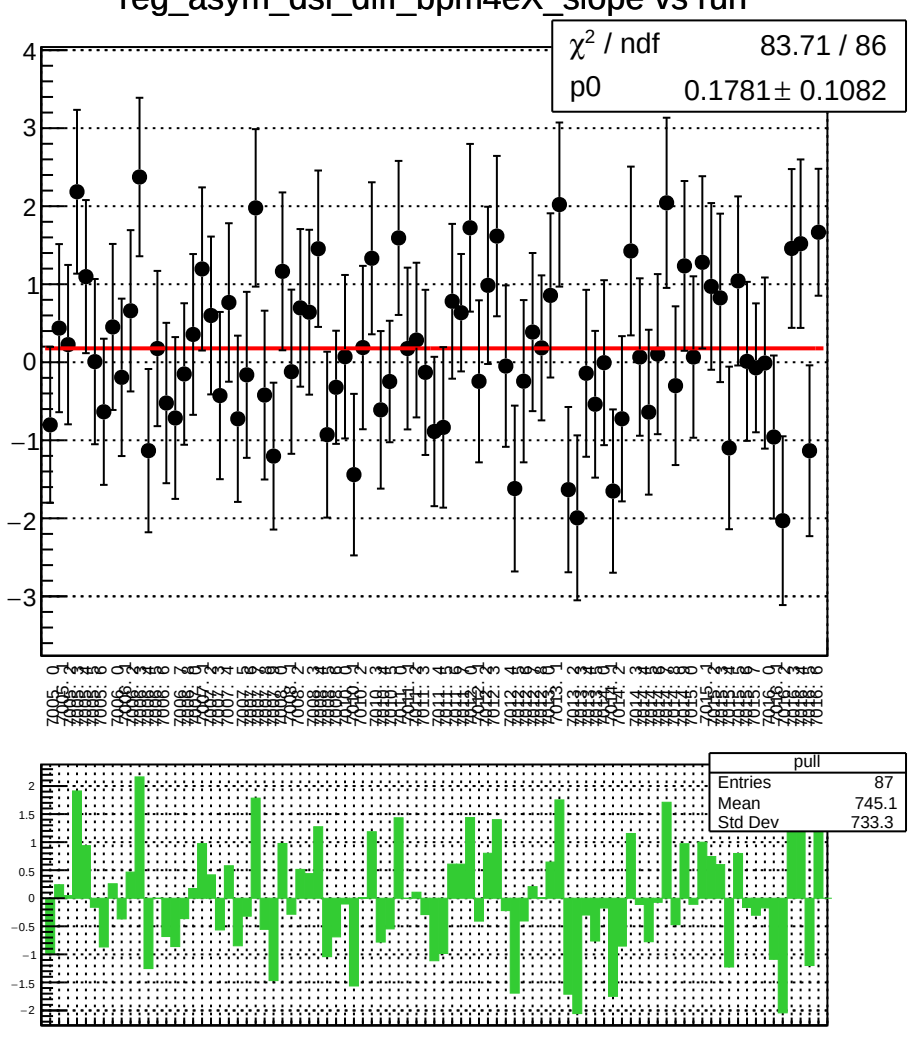

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.3 / 86
p0 −37.91 ± 0.0677
pull
Entries 87
Mean 291.7
Std Dev 258.3
pull1D
Entries 87
Mean −0.01511
Std Dev 0.7294

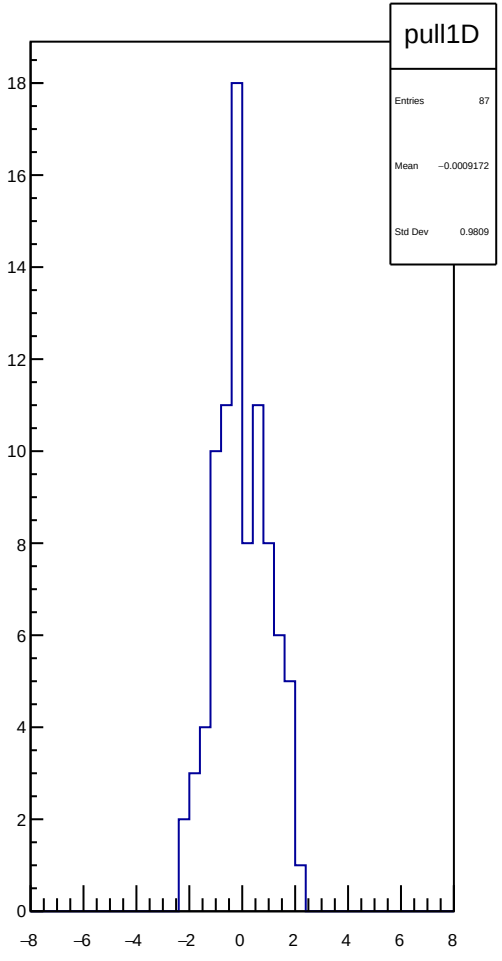

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 81.85 / 86
p0 −0.2056 ± 0.1167
pull
Entries 87
Mean 4073
Std Dev 4071

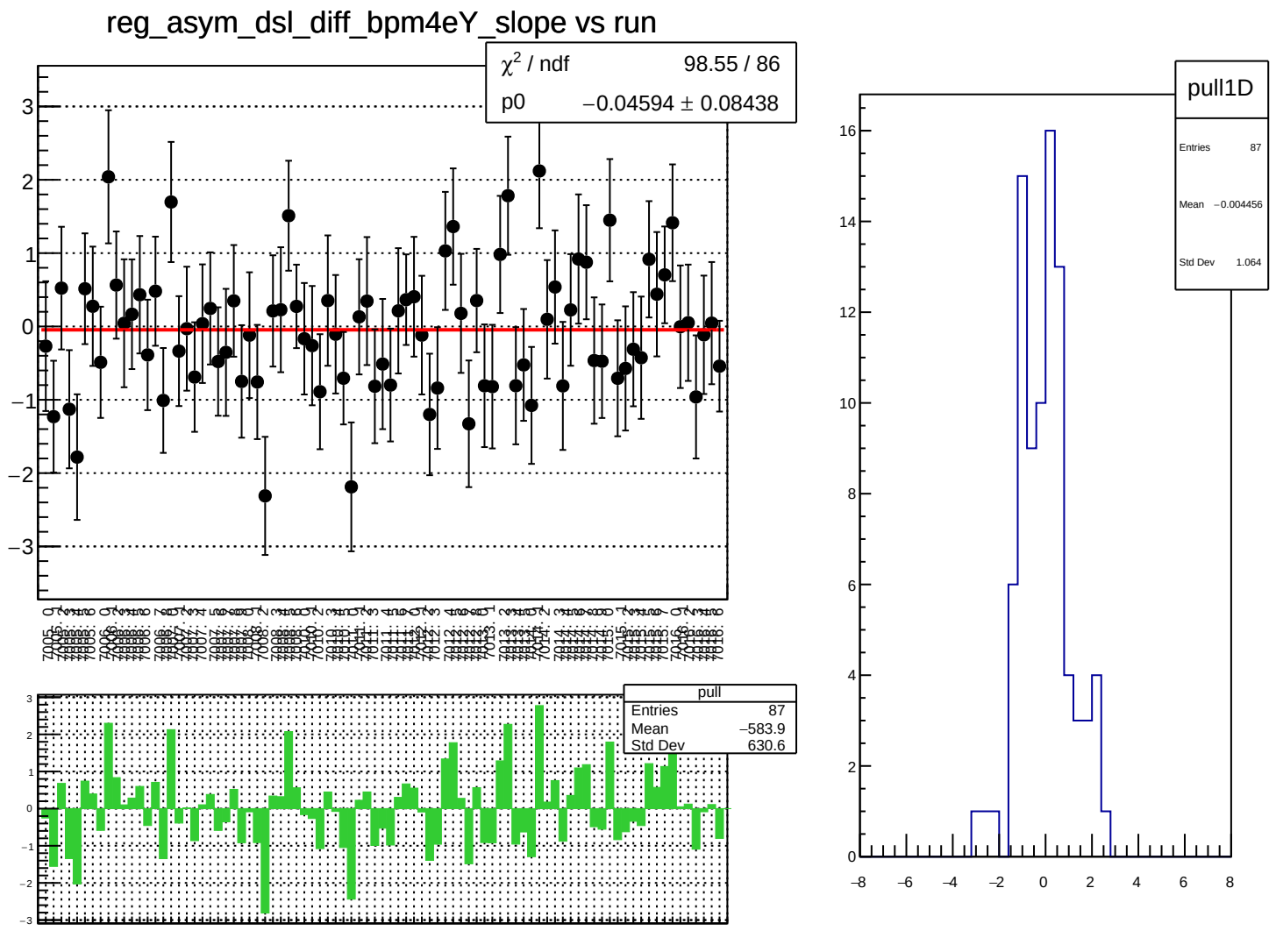

pull1D
Entries 87
Mean 0.000143
Std Dev 0.9699

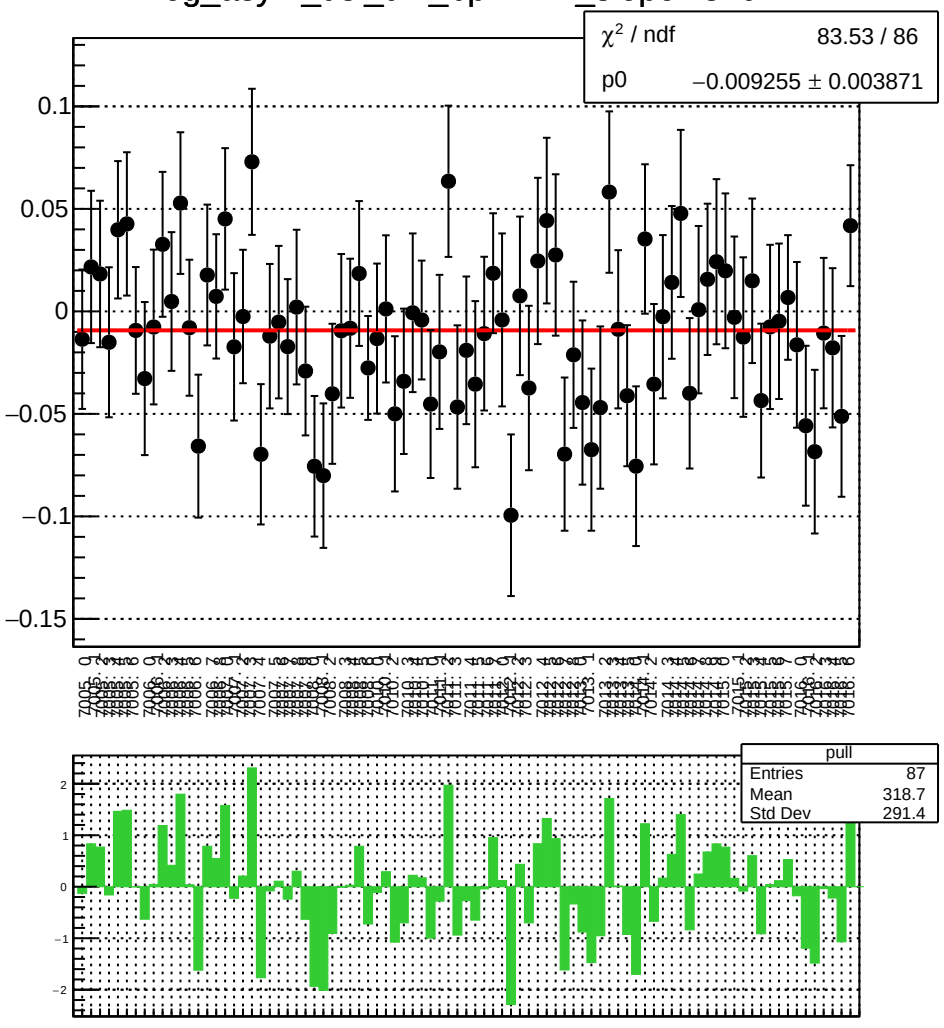

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 99 / 86
p0 0.05616 ± 0.08032
pull
Entries 87
Mean −235.6
Std Dev 280.5

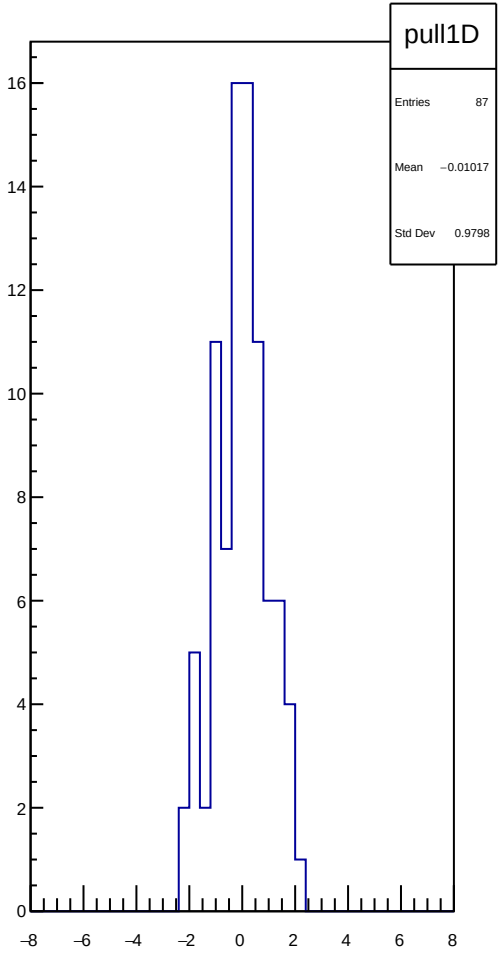

pull1D
Entries 87
Mean 0.008523
Std Dev 1.067

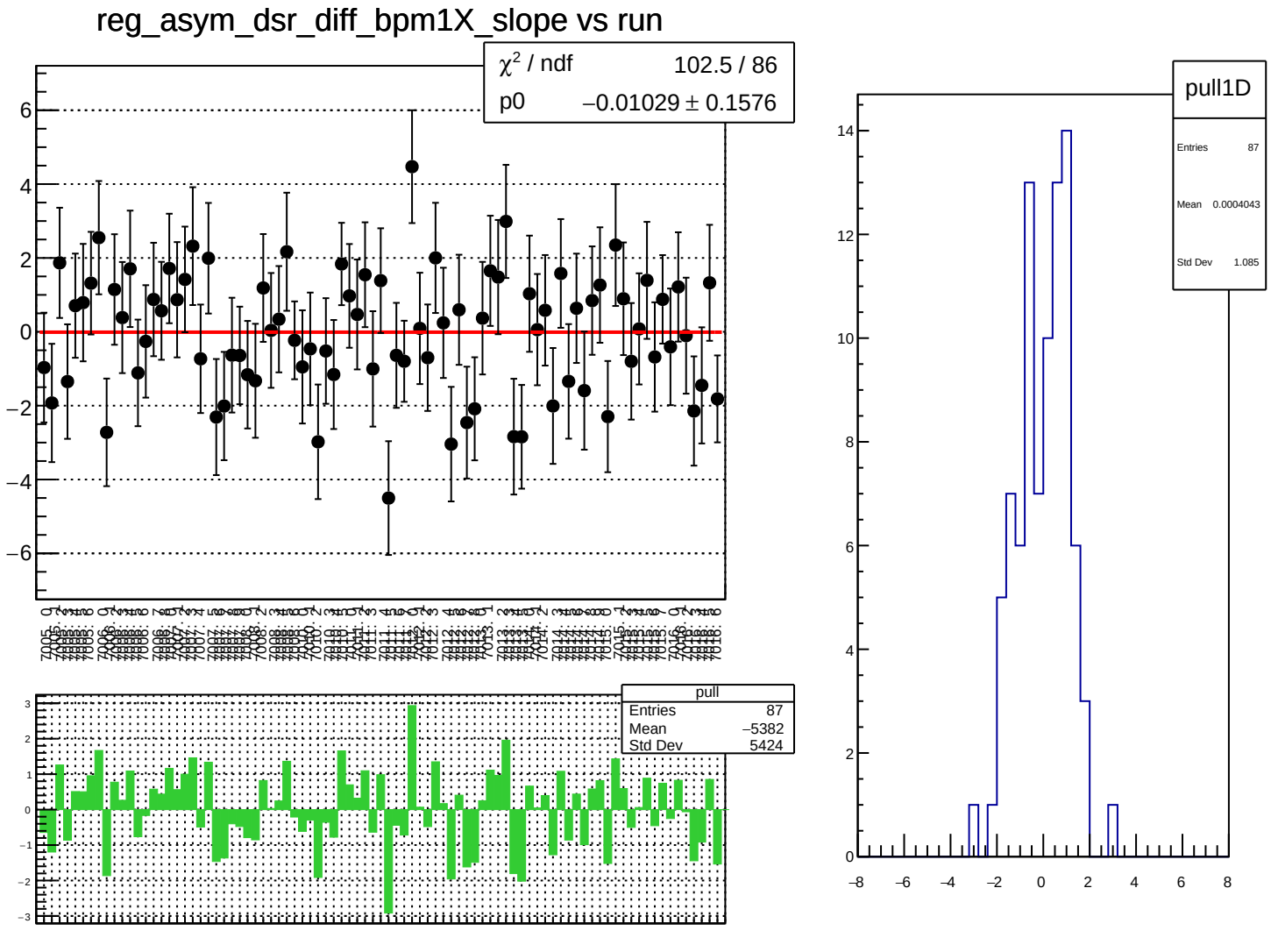

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 83.71 / 86
p0 0.1781 ± 0.1082
pull
Entries 87
Mean 745.1
Std Dev 733.3

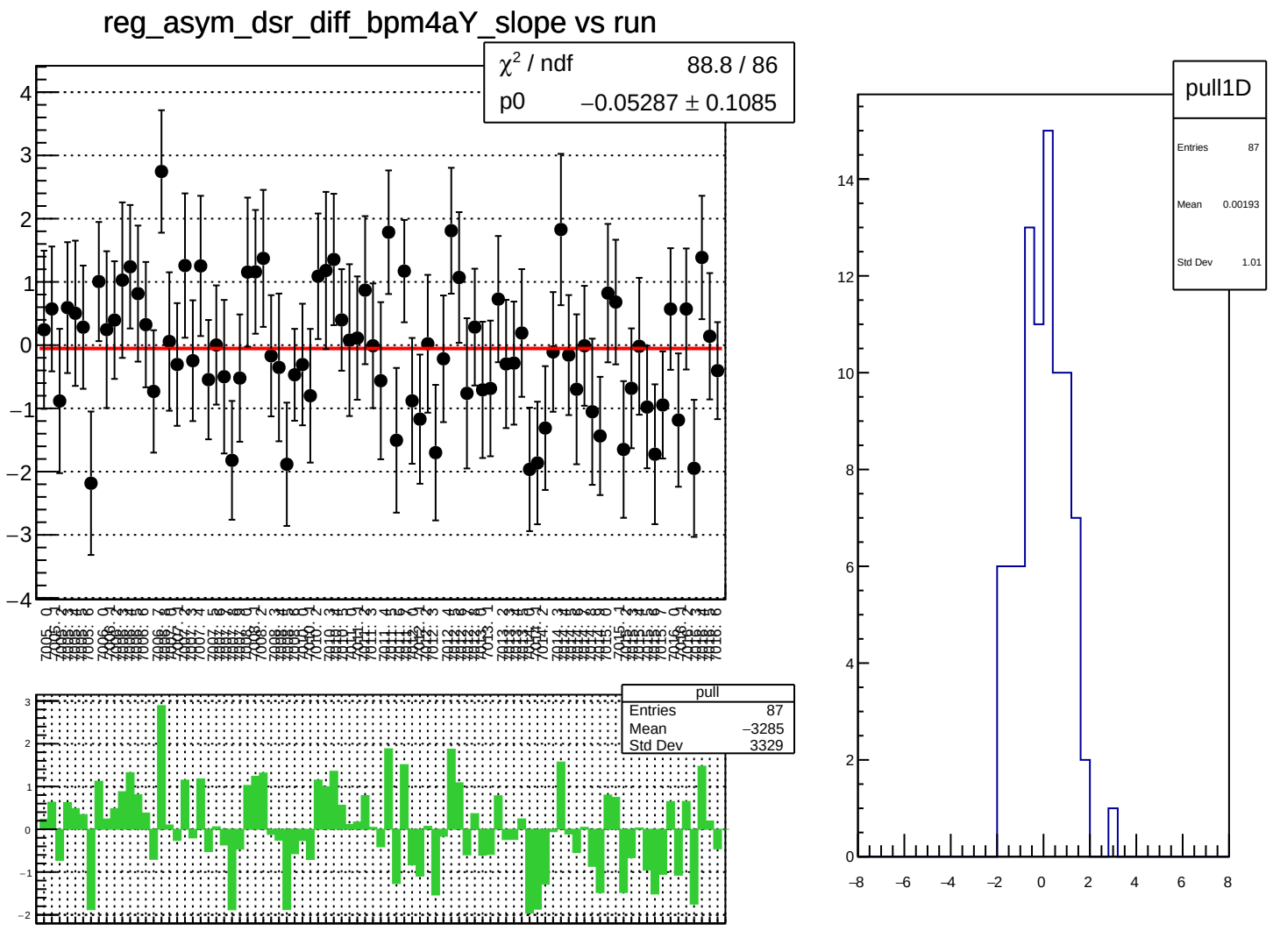

pull1D
Entries 87
Mean −0.0009172
Std Dev 0.9809

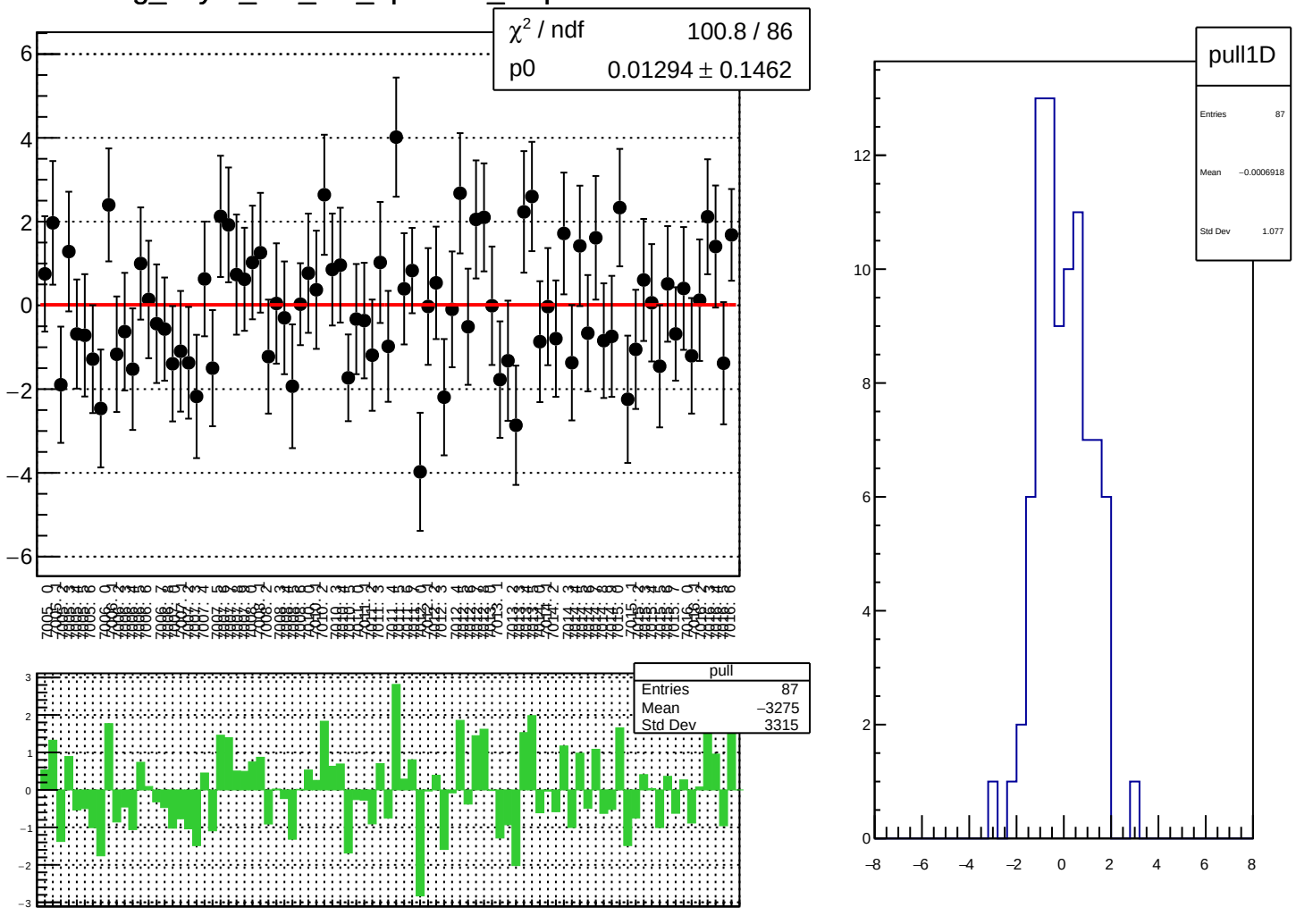

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 98.55 / 86
p0 −0.04594 ± 0.08438
pull
Entries 87
Mean −583.9
Std Dev 630.6
pull1D
Entries 87
Mean −0.004456
Std Dev 1.064

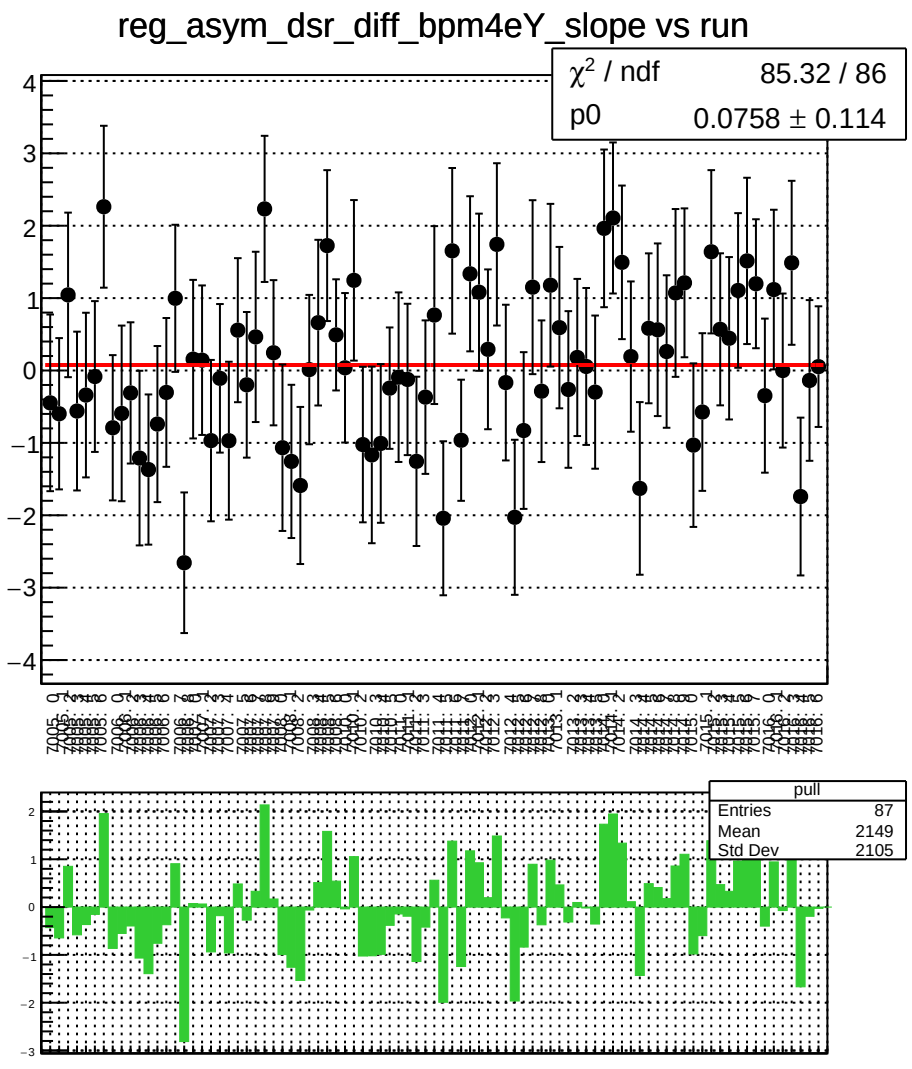

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 83.53 / 86
p0 −0.009255 ± 0.003871
pull
Entries 87
Mean 318.7
Std Dev 291.4

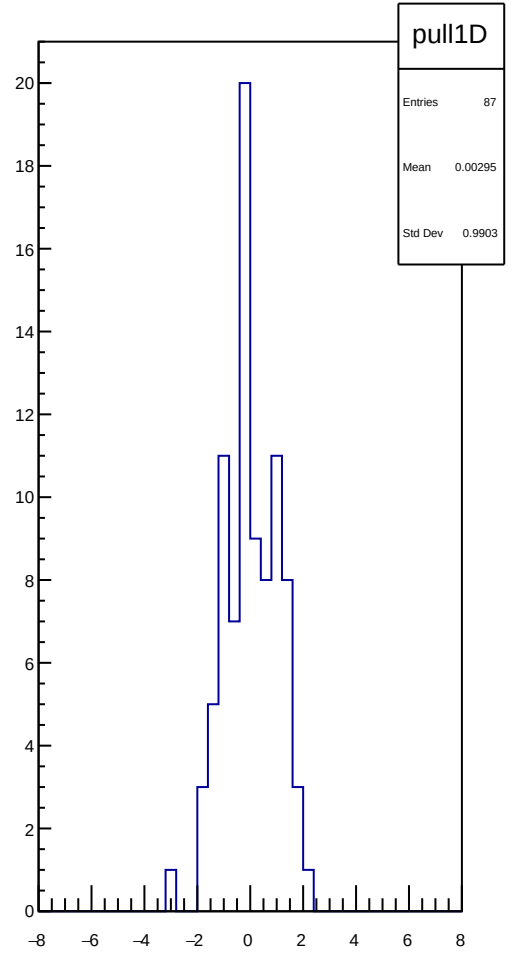

pull1D
Entries 87
Mean −0.01017
Std Dev 0.9798

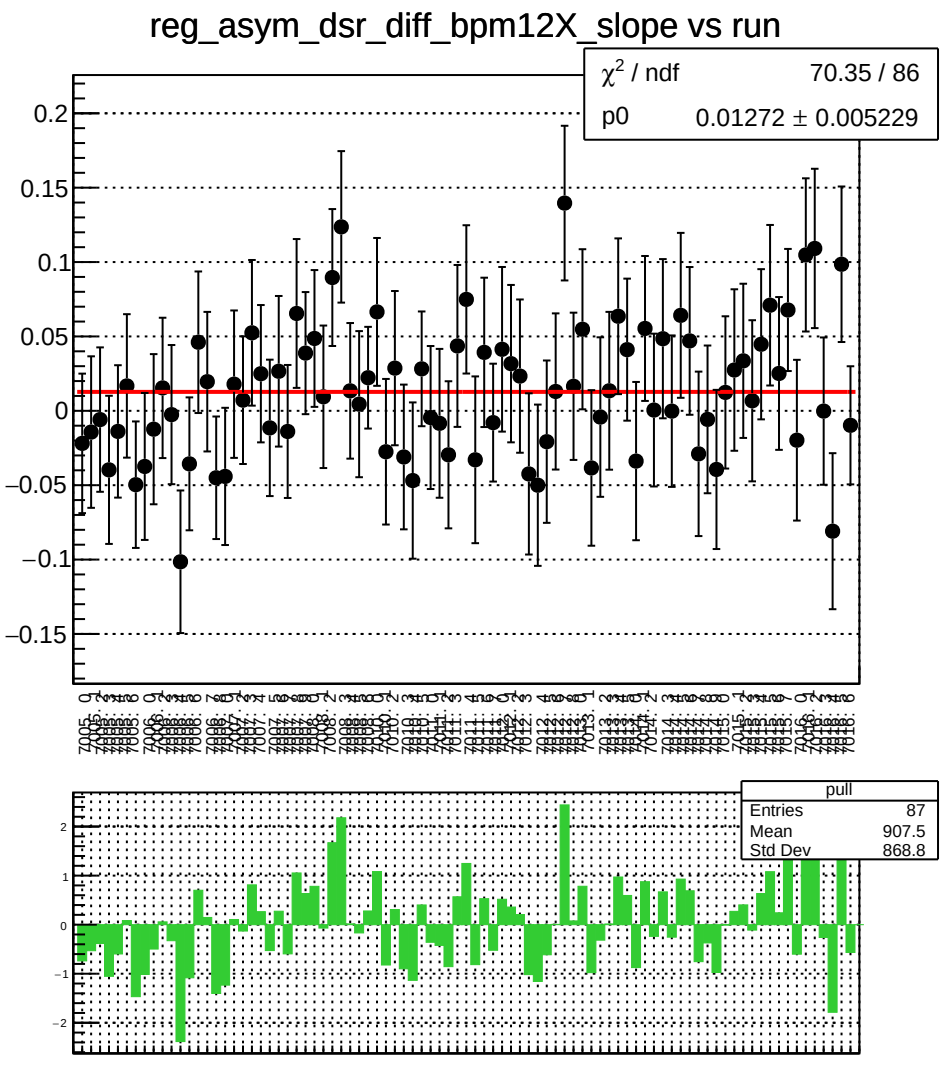

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 102.5 / 86
p0 −0.01029 ± 0.1576
pull
Entries 87
Mean −5382
Std Dev 5424
pull1D
Entries 87
Mean 0.0004043
Std Dev 1.085

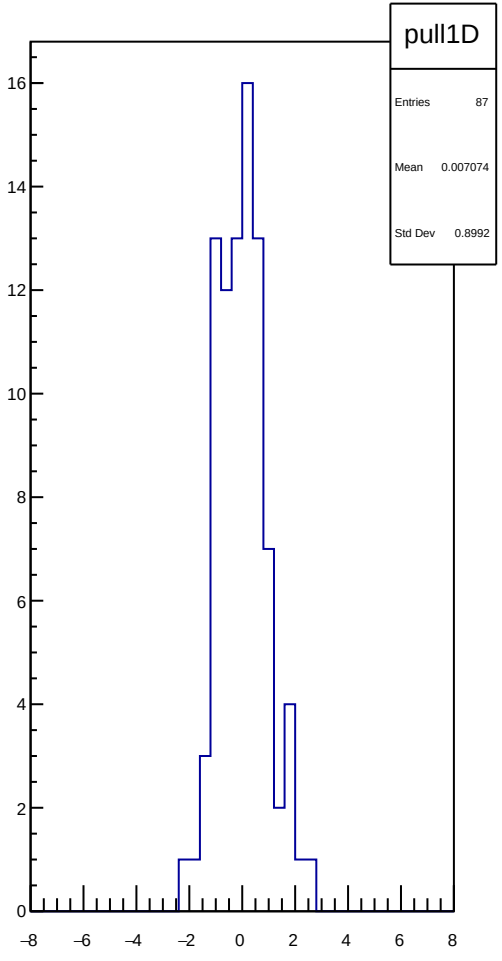

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 88.8 / 86
p0 −0.05287 ± 0.1085
pull
Entries 87
Mean −3285
Std Dev 3329
pull1D
Entries 87
Mean 0.00193
Std Dev 1.01

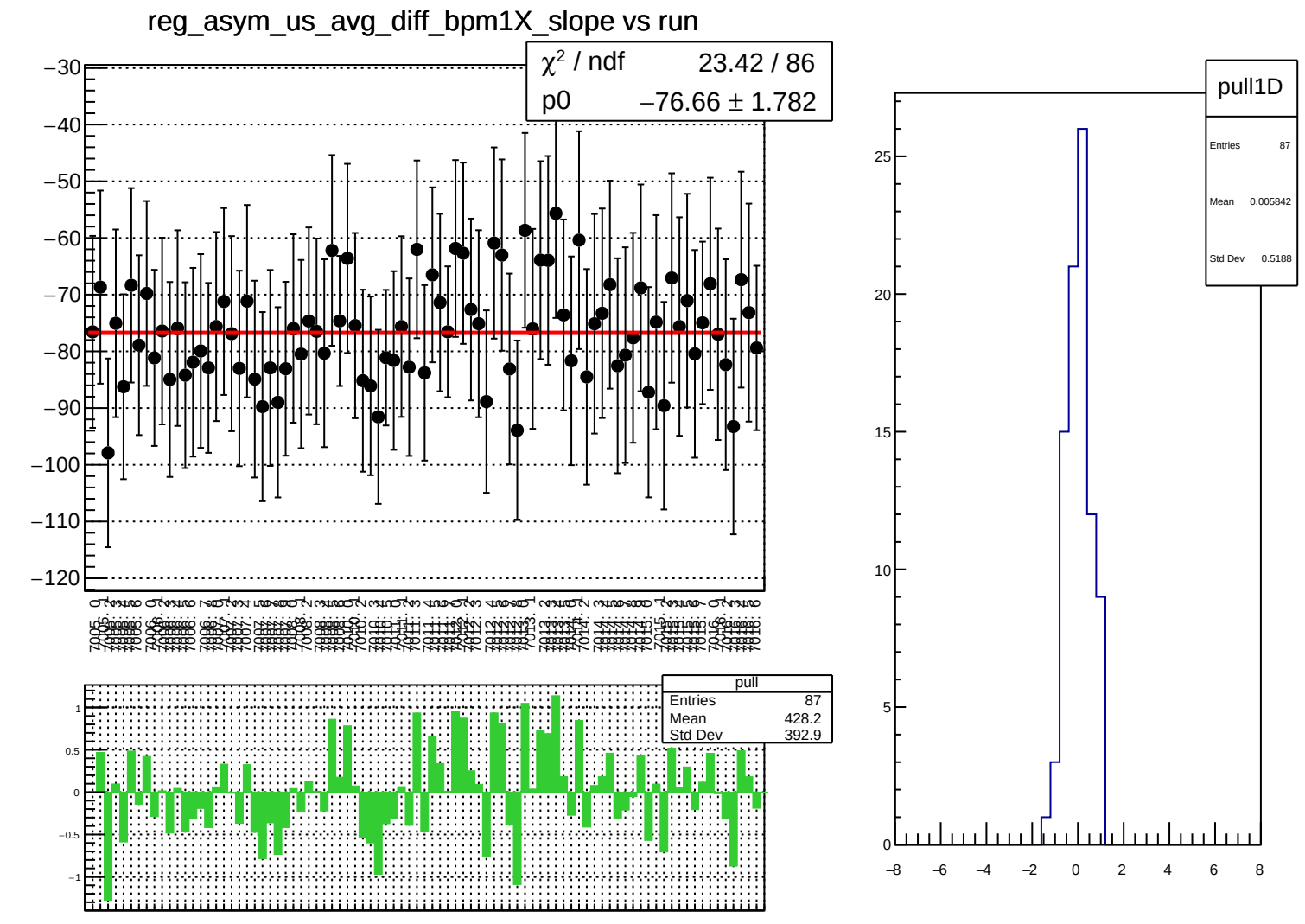

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 100.8 / 86
p0 0.01294 ± 0.1462
pull
Entries 87
Mean −3275
Std Dev 3315
pull1D
Entries 87
Mean −0.0006918
Std Dev 1.077

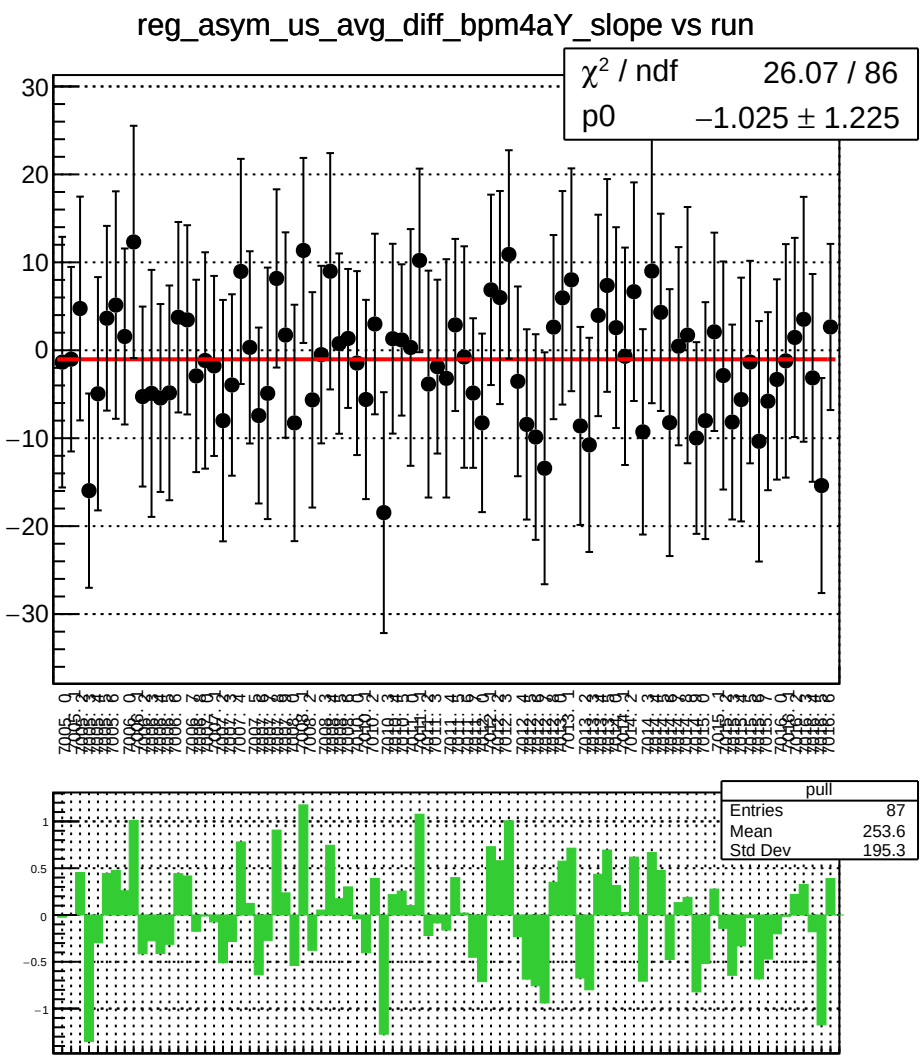

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 85.32 / 86
p0 0.0758 ± 0.114
pull
Entries 87
Mean 2149
Std Dev 2105

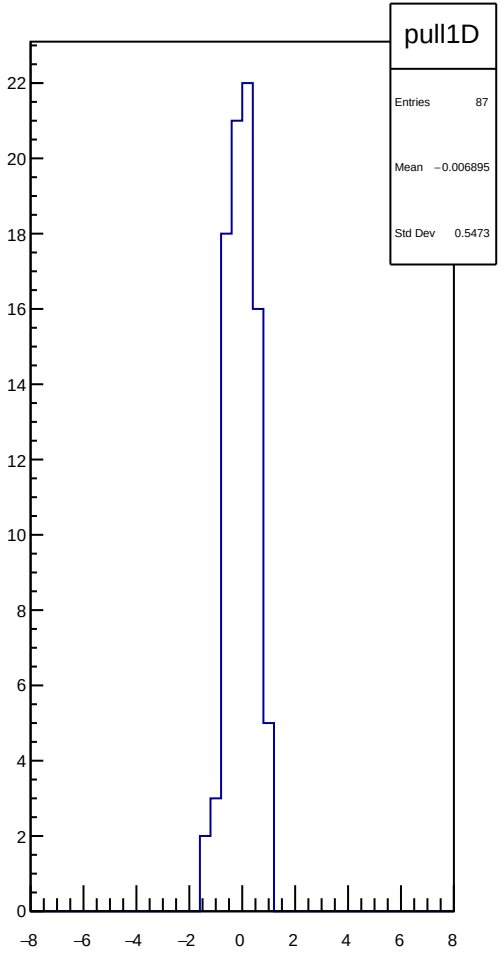

pull1D
Entries 87
Mean 0.00295
Std Dev 0.9903

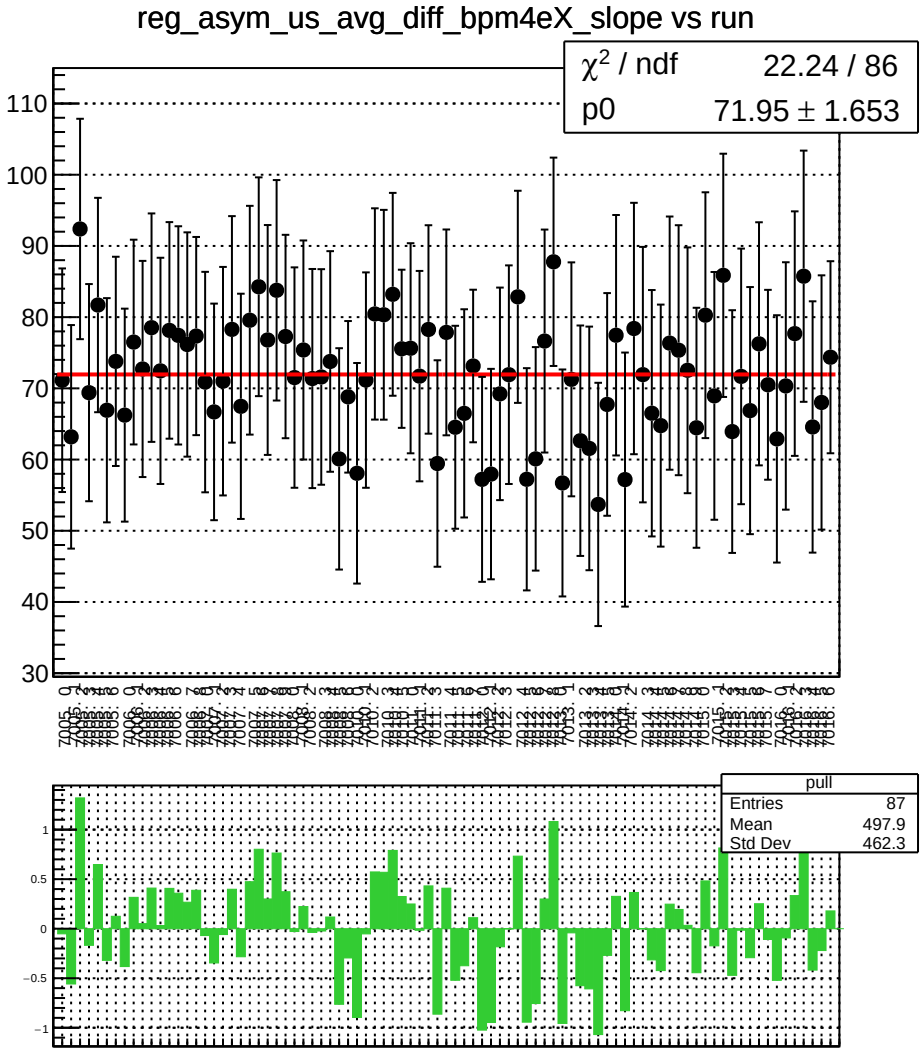

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 70.35 / 86
p0 0.01272 ± 0.005229
pull
Entries 87
Mean 907.5
Std Dev 868.8

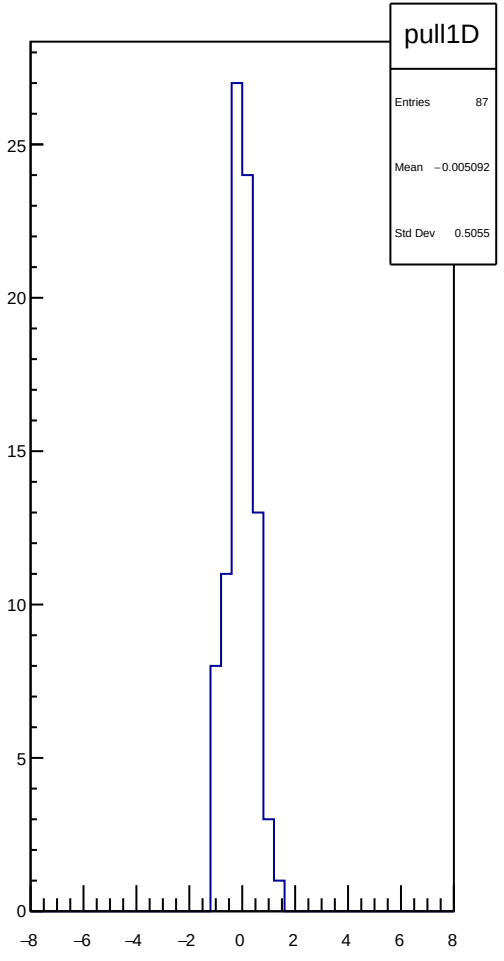

pull1D
Entries 87
Mean 0.007074
Std Dev 0.8992

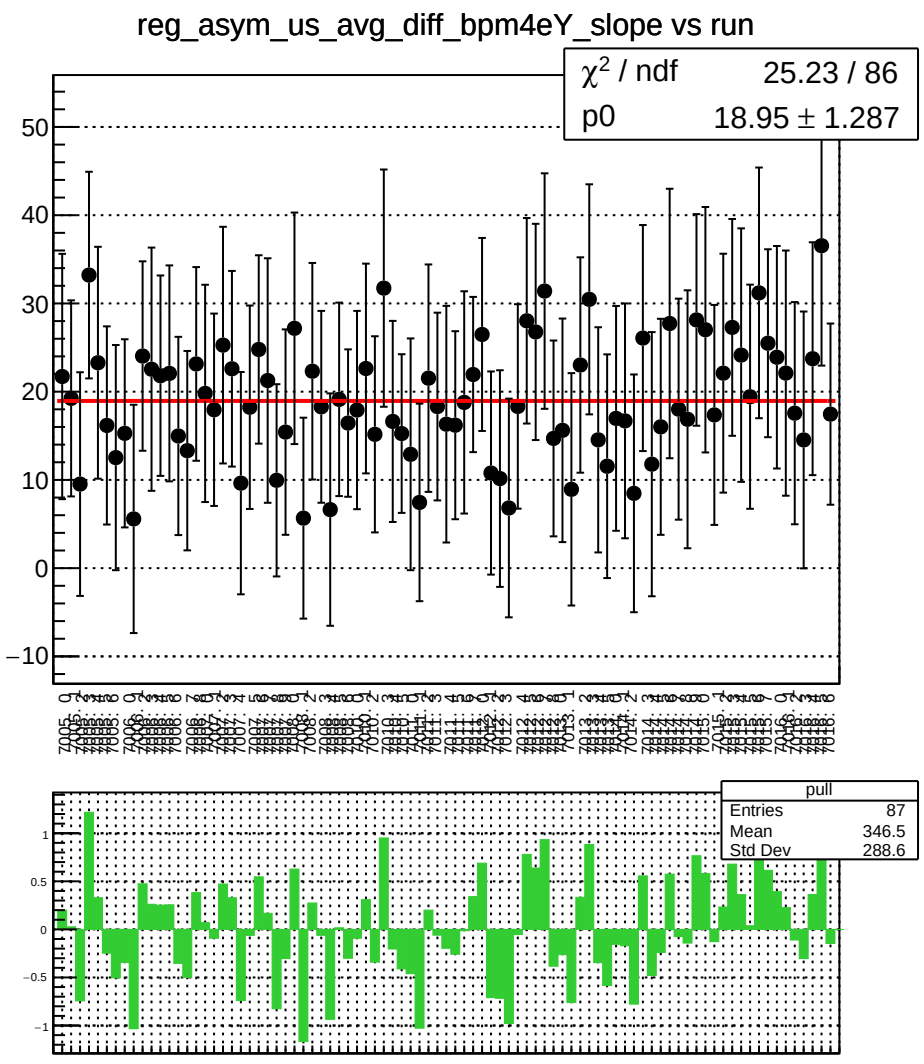

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 23.42 / 86
p0 −76.66 ± 1.782
pull
Entries 87
Mean 428.2
Std Dev 392.9
pull1D
Entries 87
Mean 0.005842
Std Dev 0.5188

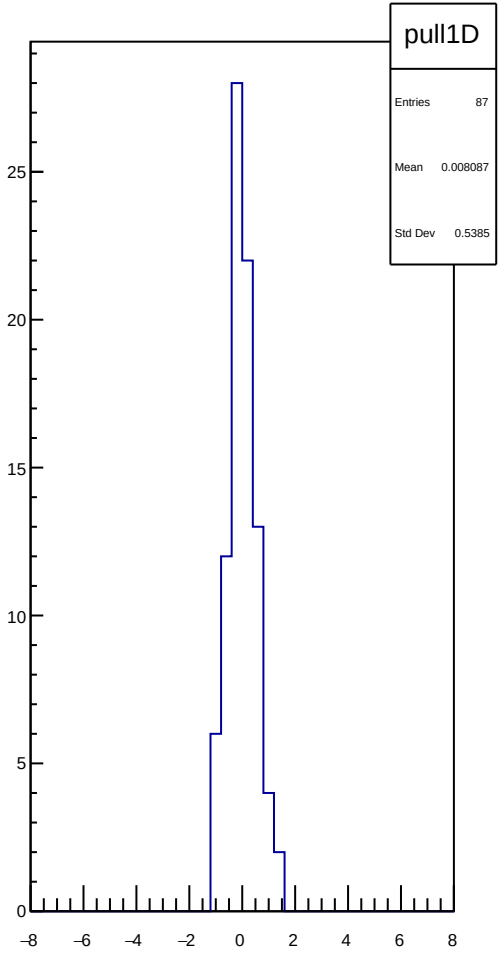

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.07 / 86
p0 −1.025 ± 1.225
pull
Entries 87
Mean 253.6
Std Dev 195.3

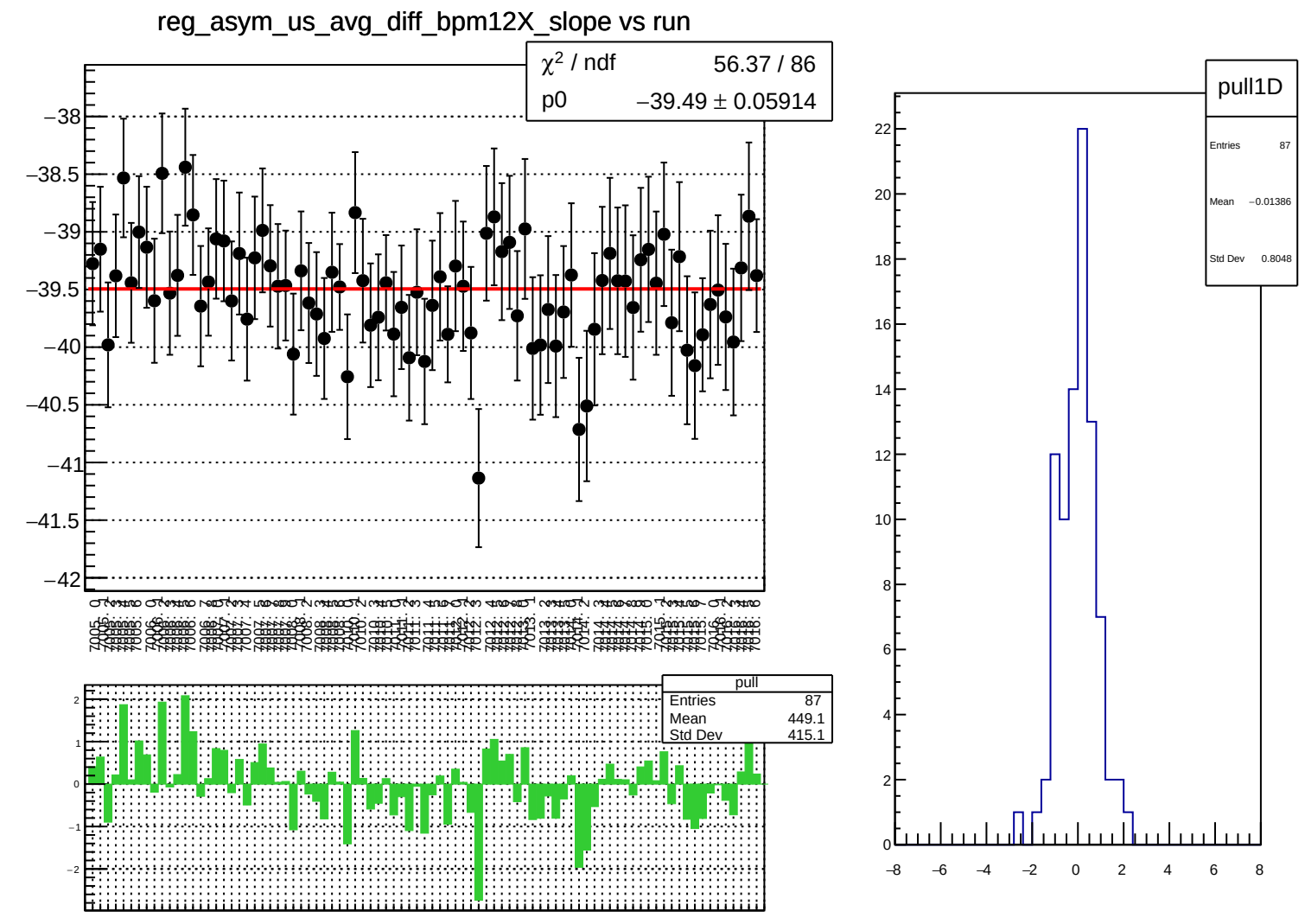

pull1D
Entries 87
Mean −0.006895
Std Dev 0.5473

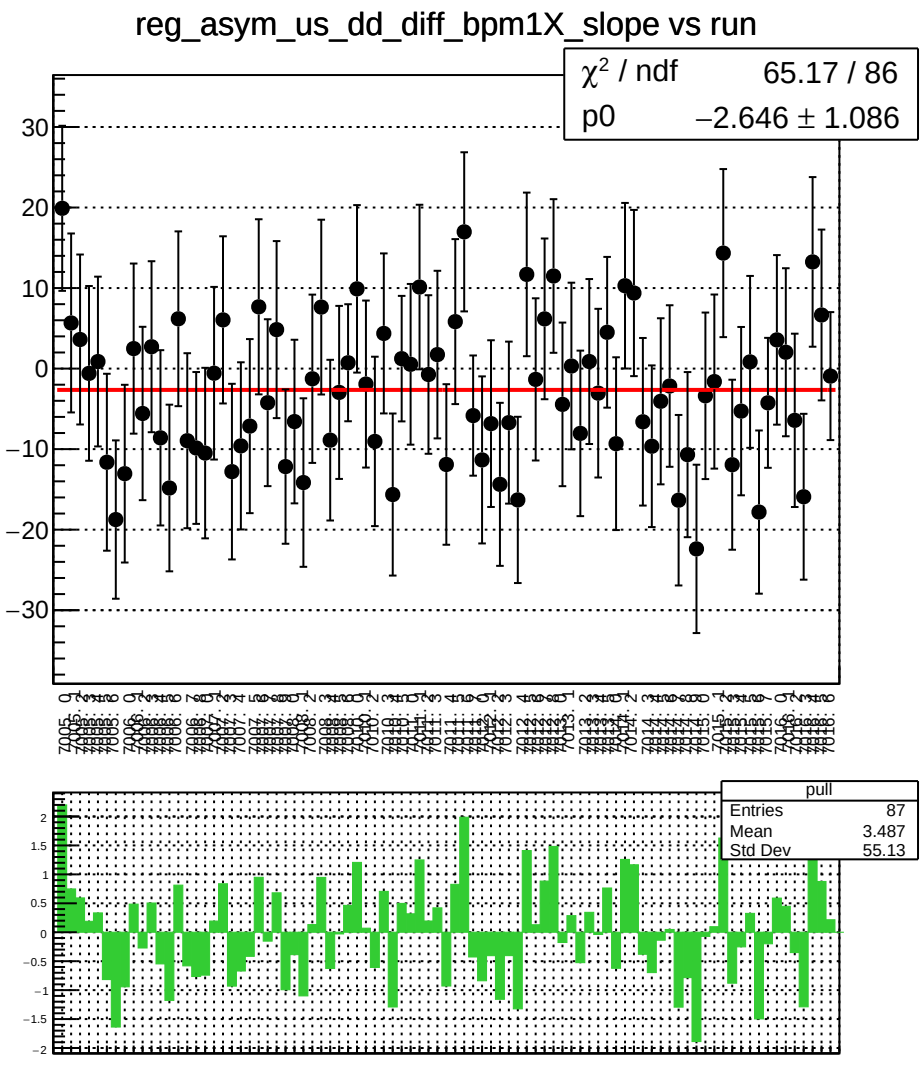

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.24 / 86
p0 71.95 ± 1.653
pull
Entries 87
Mean 497.9
Std Dev 462.3

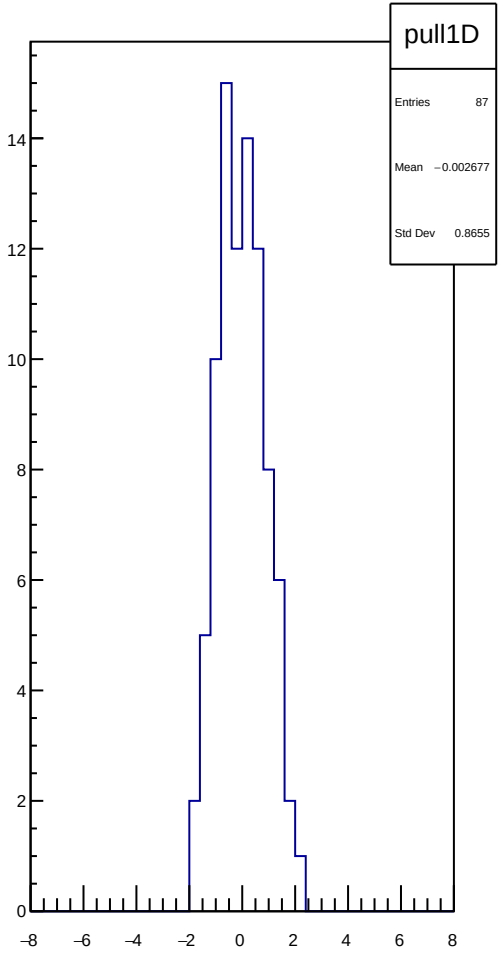

pull1D
Entries 87
Mean −0.005092
Std Dev 0.5055

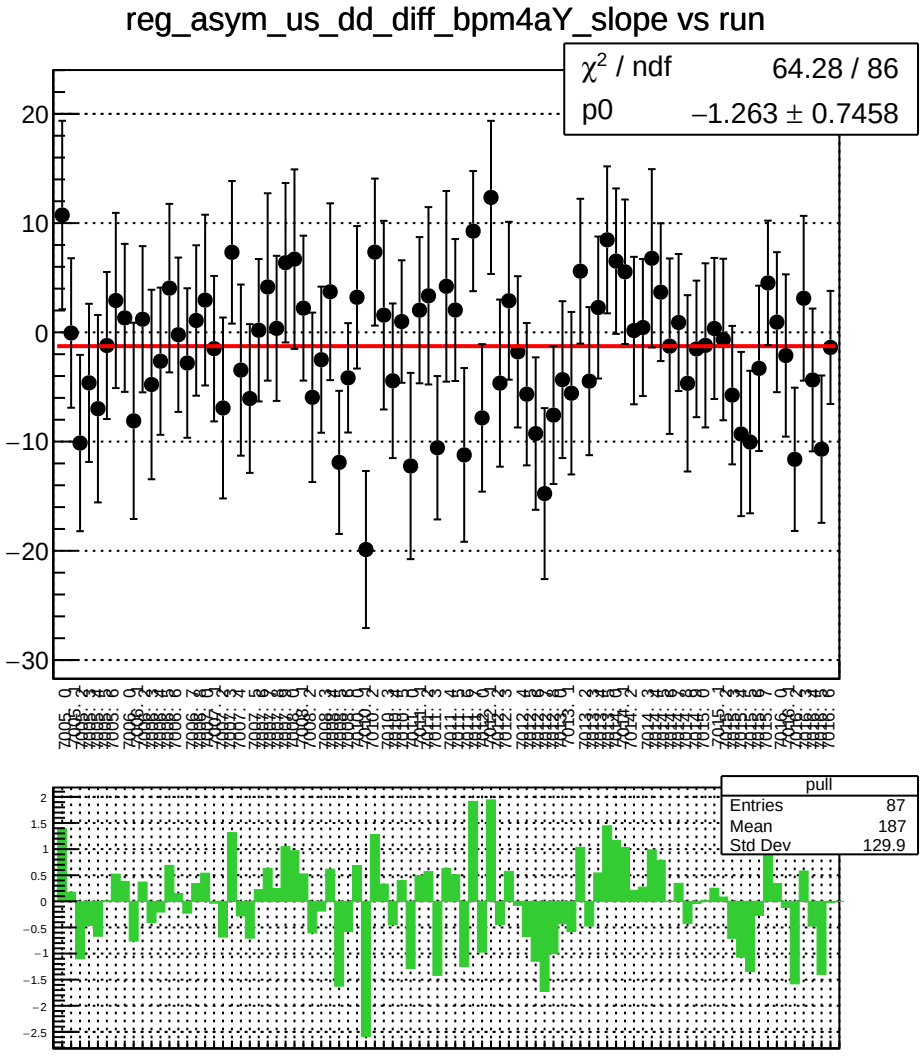

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.23 / 86
p0 18.95 ± 1.287
pull
Entries 87
Mean 346.5
Std Dev 288.6

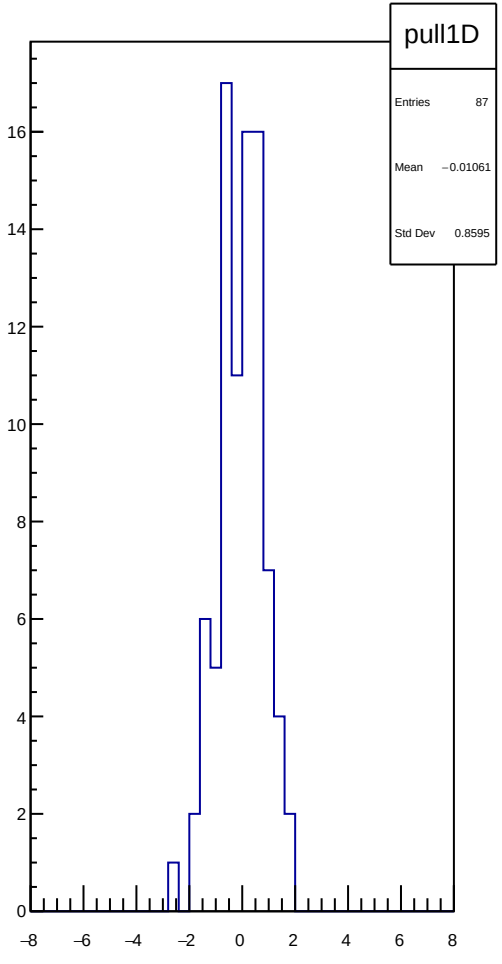

pull1D
Entries 87
Mean 0.008087
Std Dev 0.5385

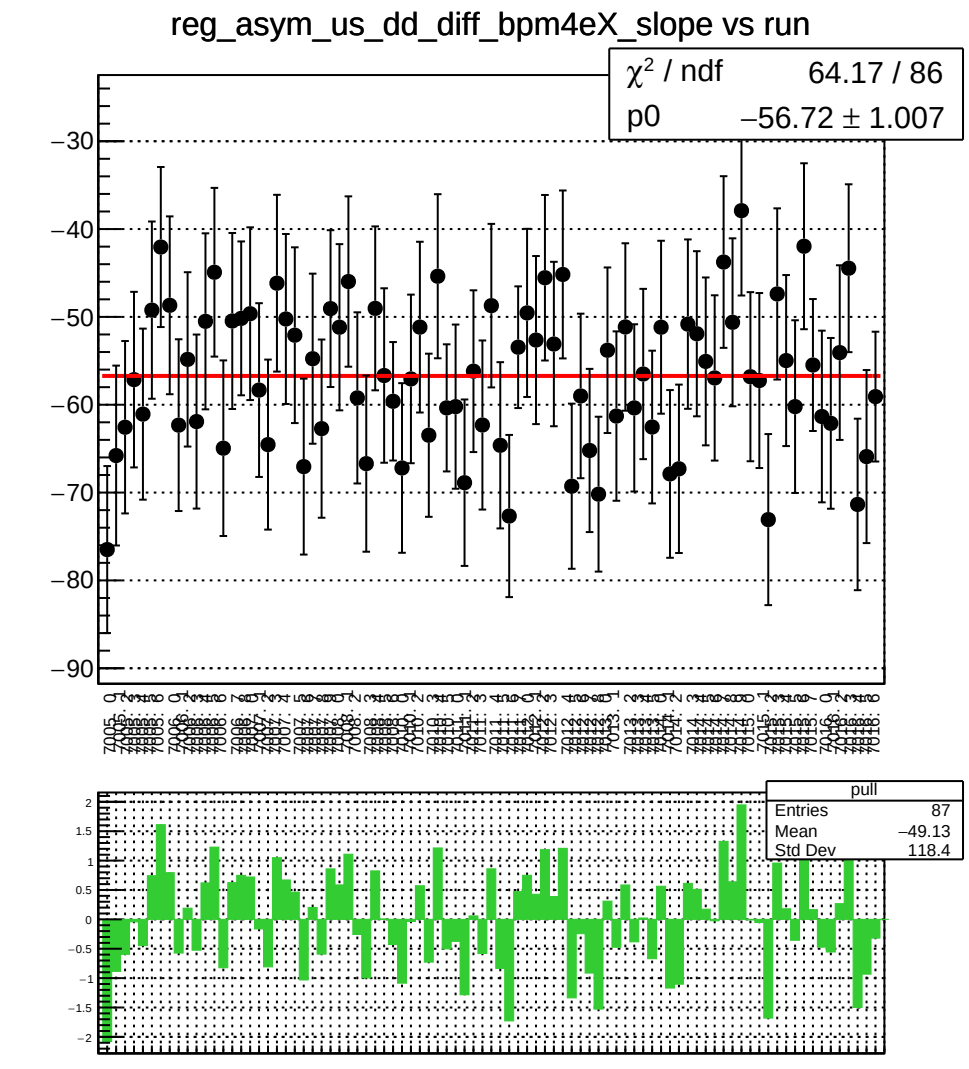

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.37 / 86
p0 −39.49 ± 0.05914
−38
−38.5
−39
−39.5
−40
−40.5
−41
−41.5
−42
pull
Entries 87
Mean 449.1
Std Dev 415.1
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01386
Std Dev 0.8048
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

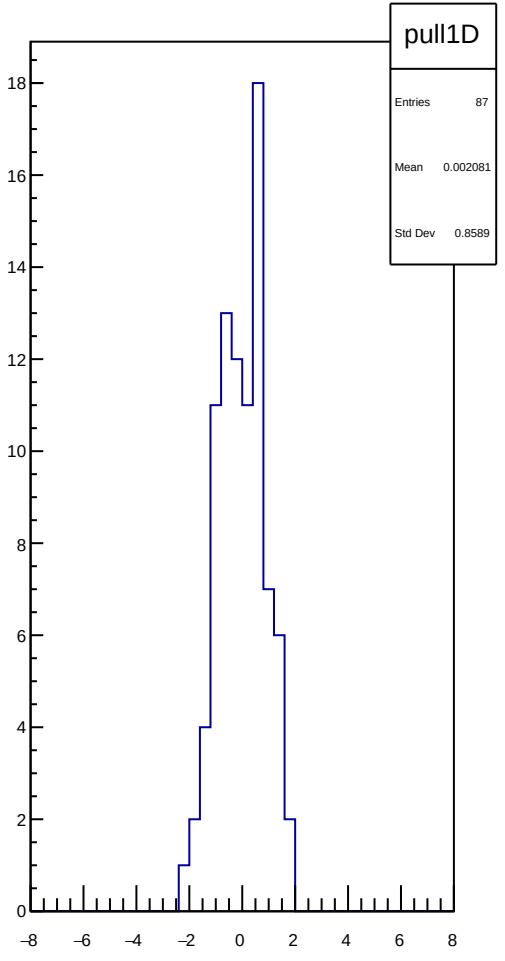

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 65.17 / 86
p0 −2.646 ± 1.086
pull
Entries 87
Mean 3.487
Std Dev 55.13

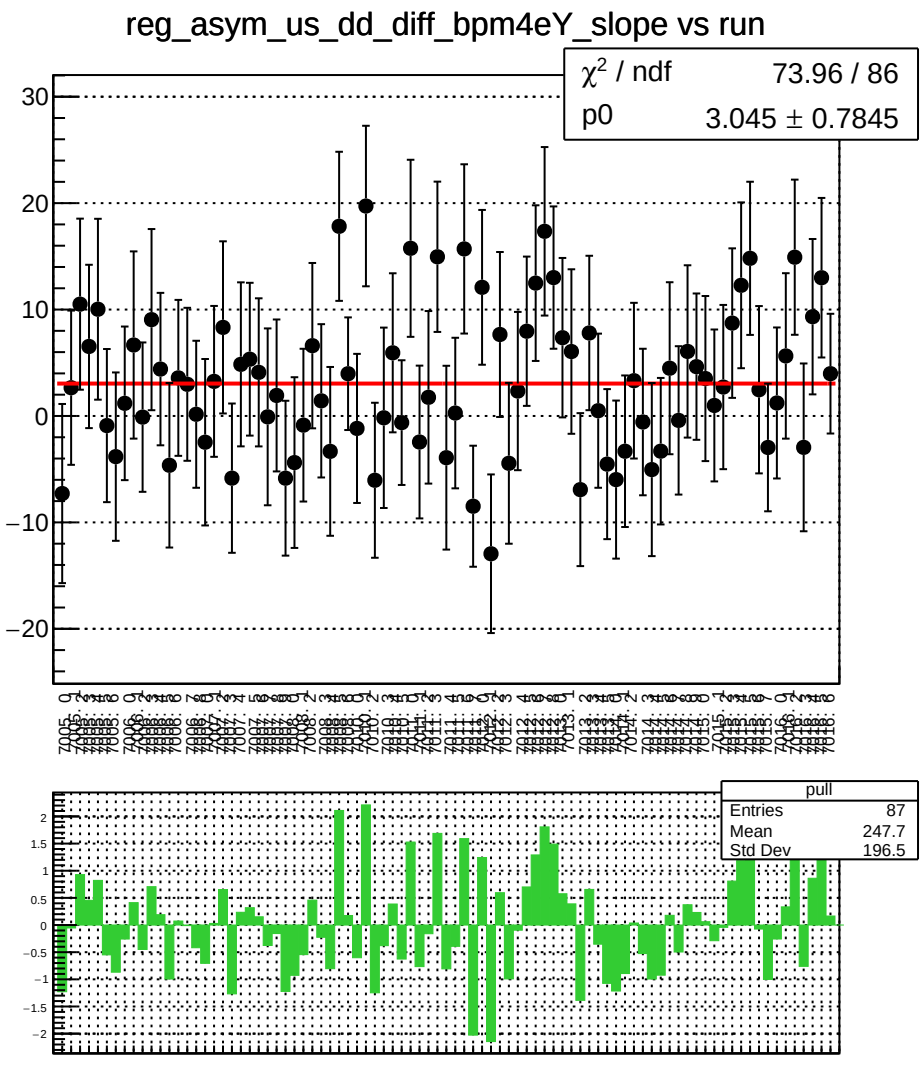

pull1D
Entries 87
Mean −0.002677
Std Dev 0.8655

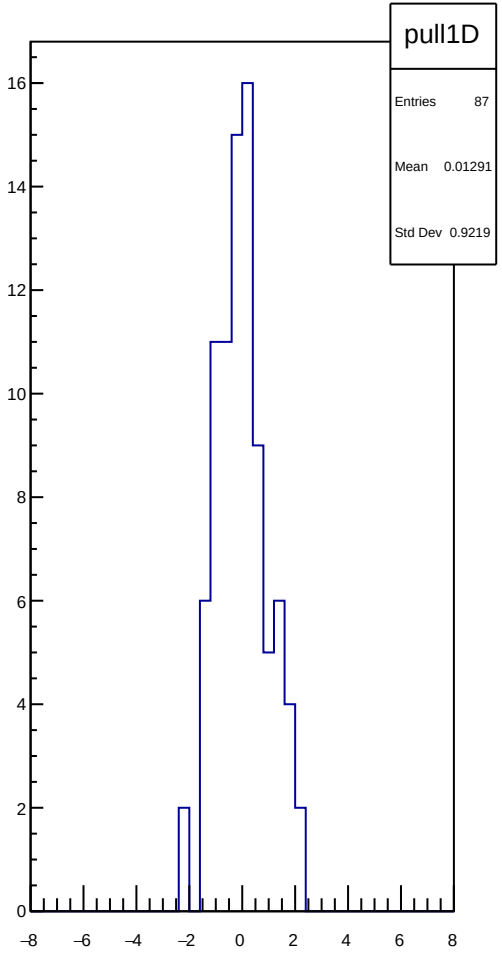

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.28 / 86
p0 −1.263 ± 0.7458
pull
Entries 87
Mean 187
Std Dev 129.9

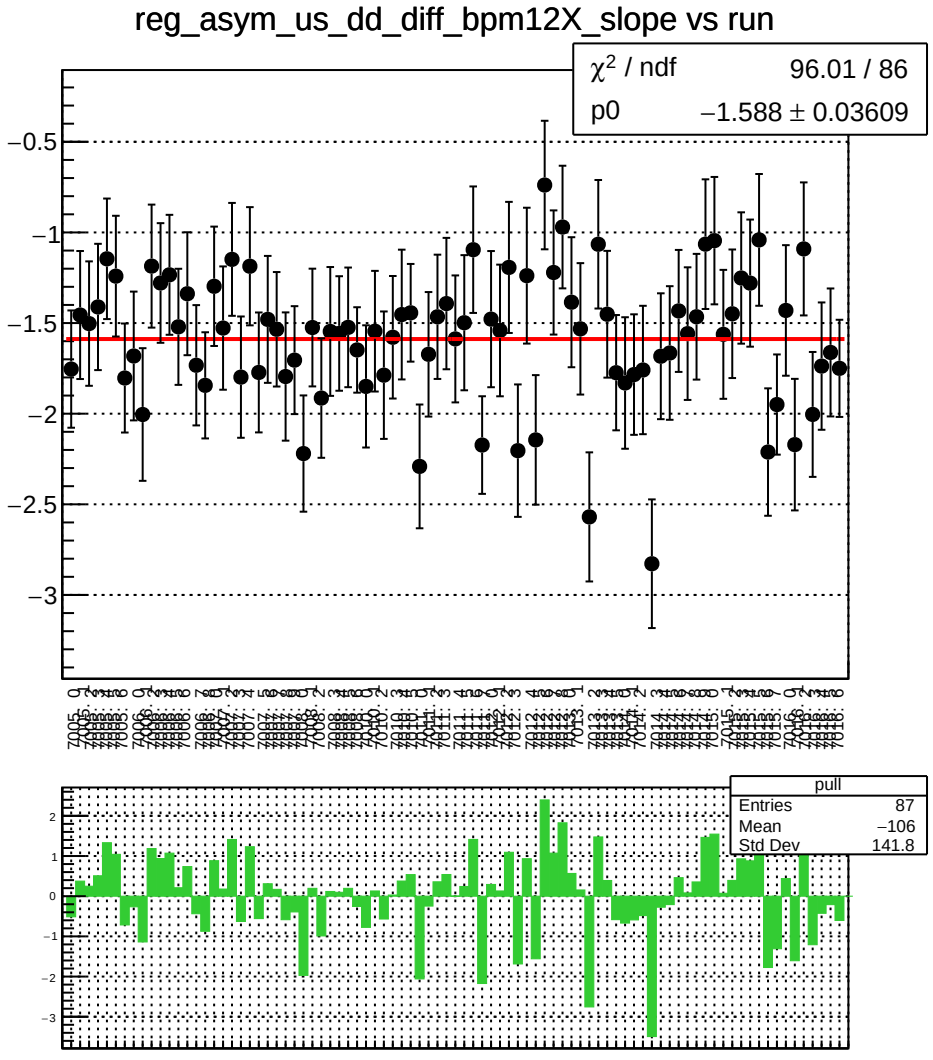

pull1D
Entries 87
Mean −0.01061
Std Dev 0.8595

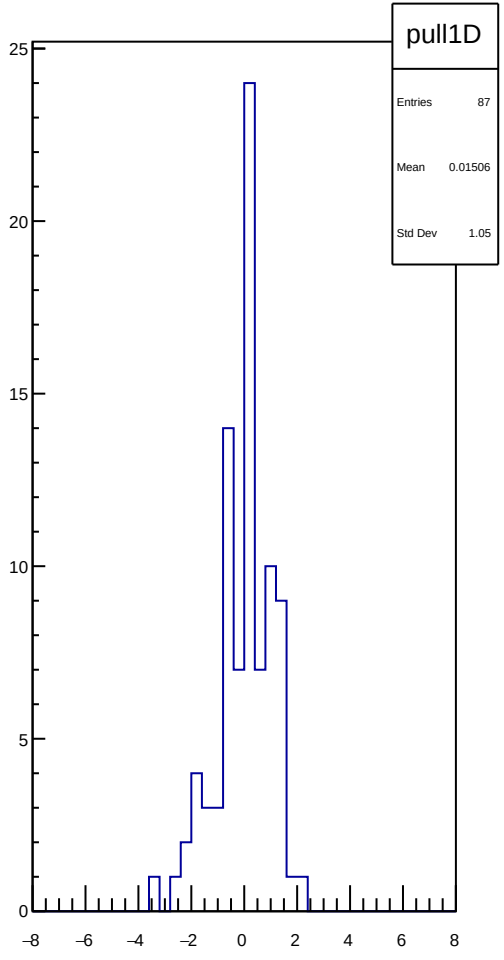

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.17 / 86
p0 −56.72 ± 1.007
pull
Entries 87
Mean −49.13
Std Dev 118.4

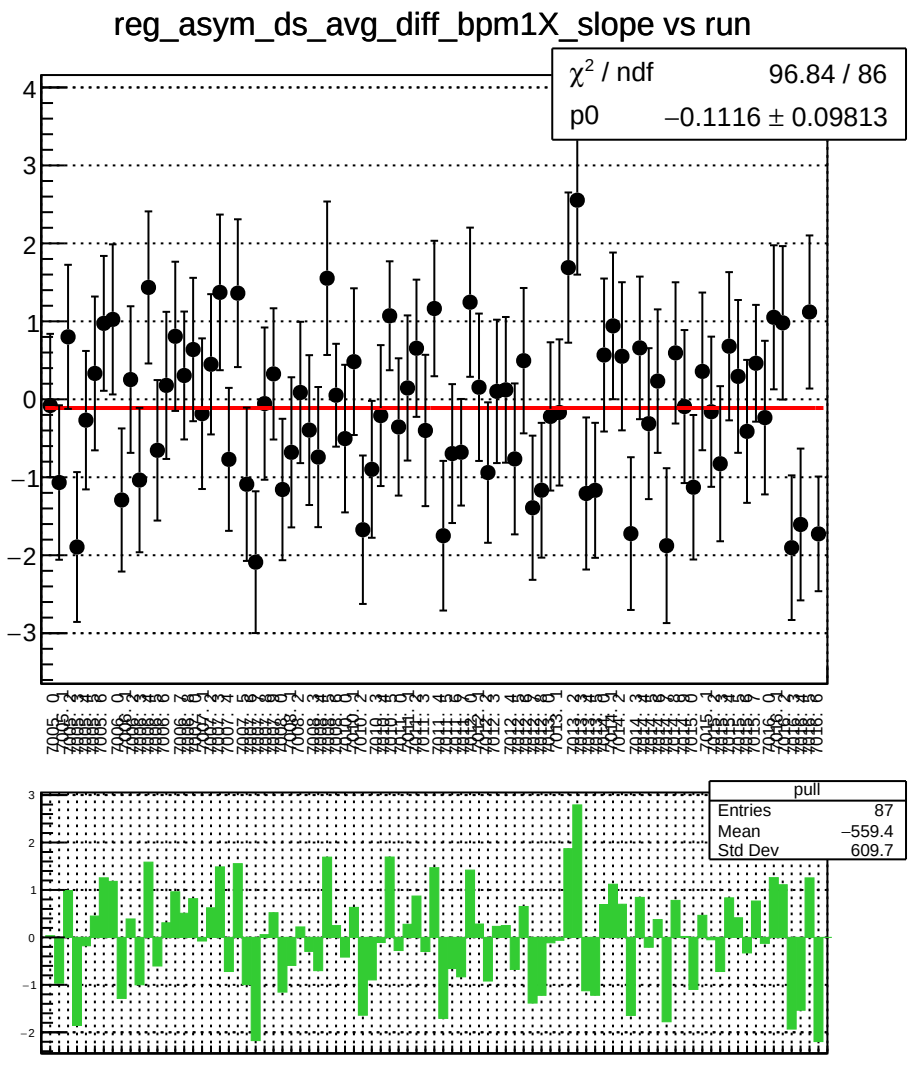

pull1D
Entries 87
Mean 0.002081
Std Dev 0.8589

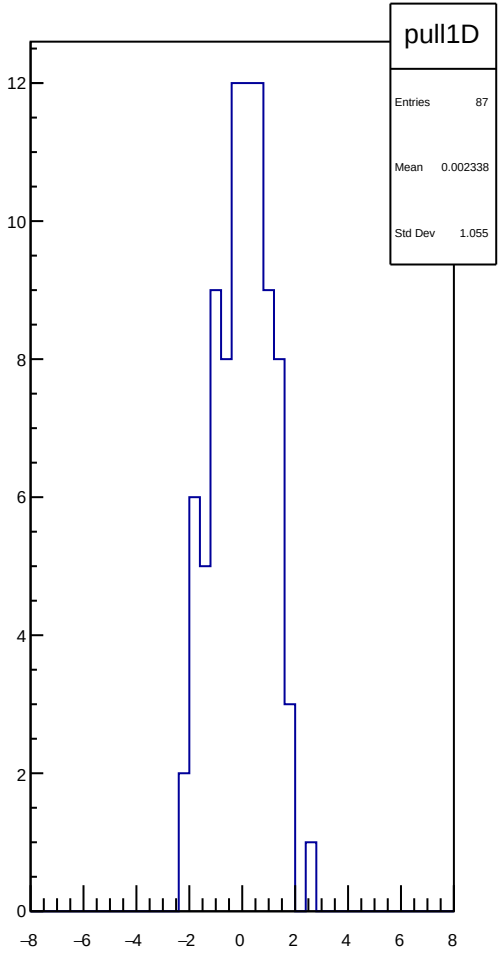

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.96 / 86
p0 3.045 ± 0.7845
pull
Entries 87
Mean 247.7
Std Dev 196.5

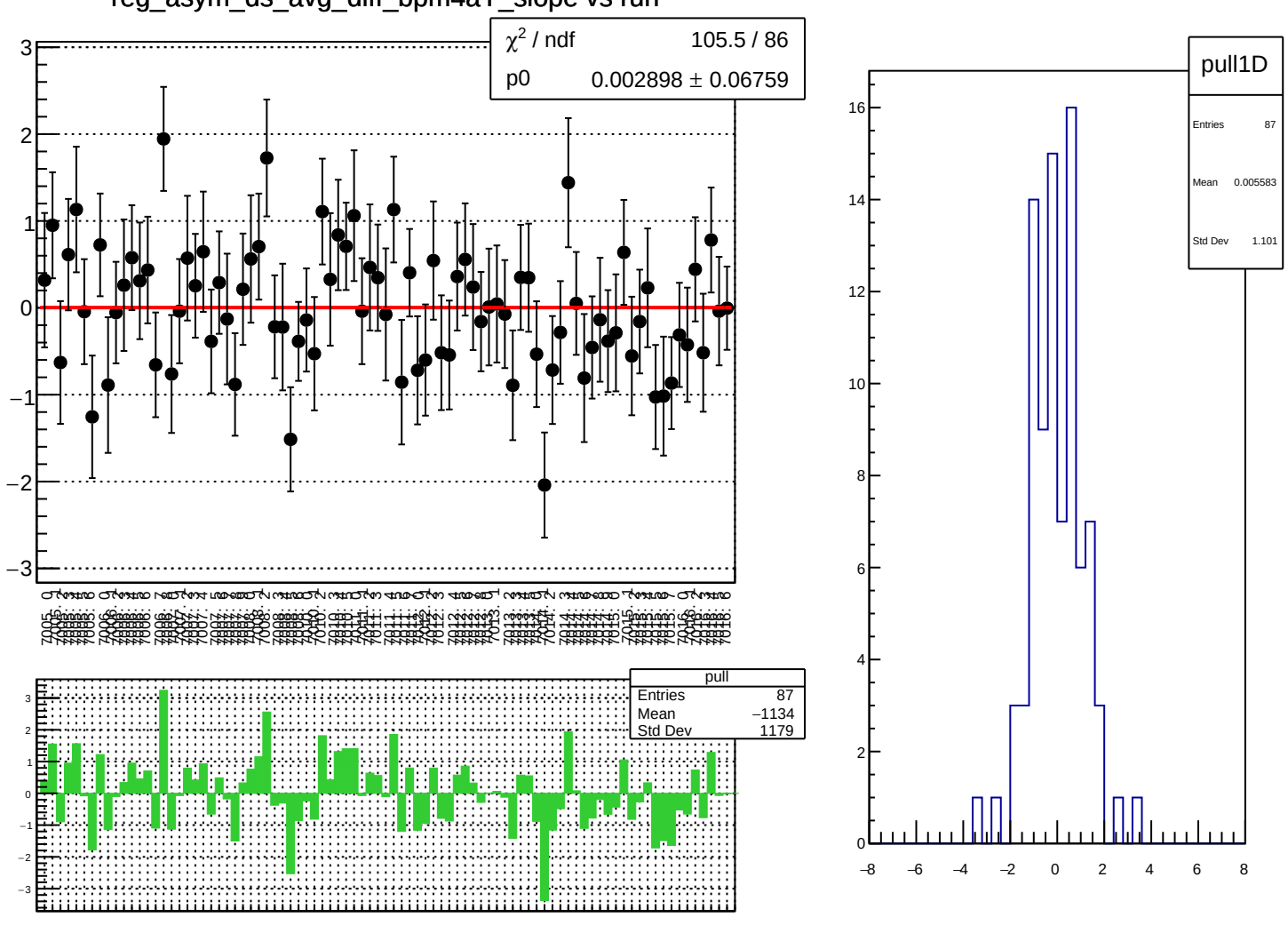

pull1D
Entries 87
Mean 0.01291
Std Dev 0.9219

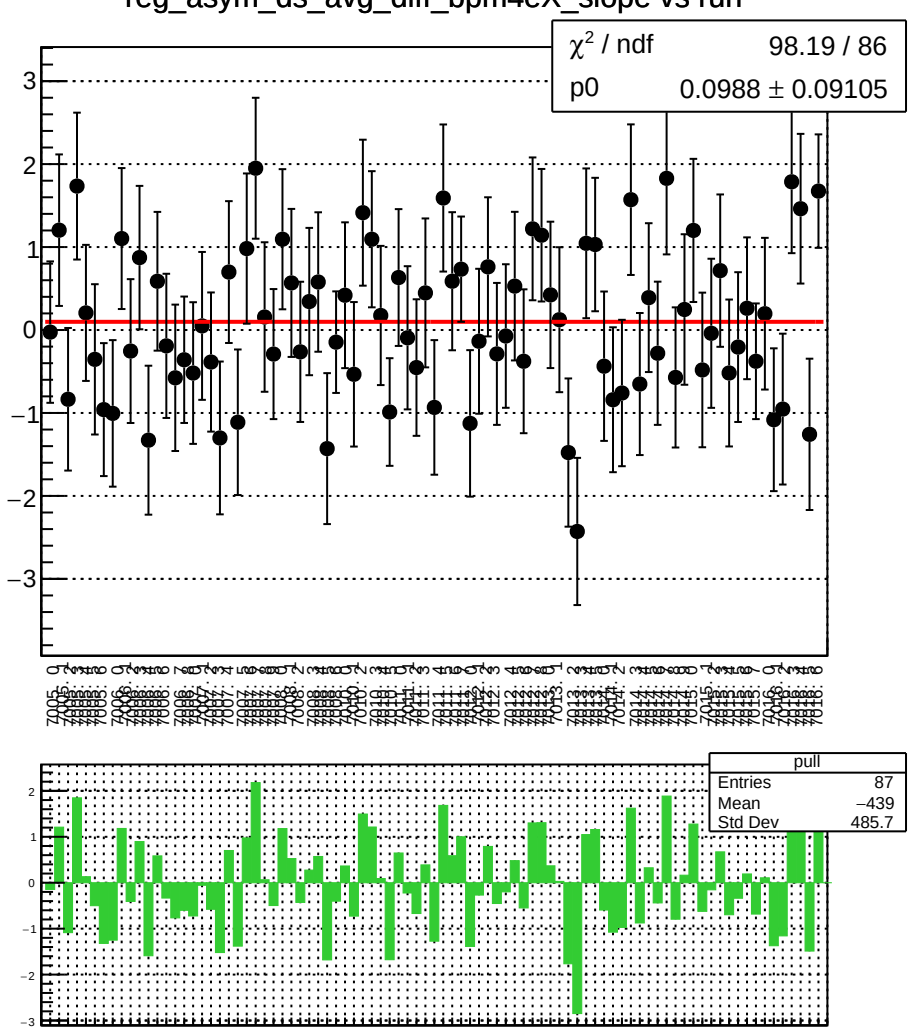

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 96.01 / 86
p0 −1.588 ± 0.03609
pull
Entries 87
Mean −106
Std Dev 141.8

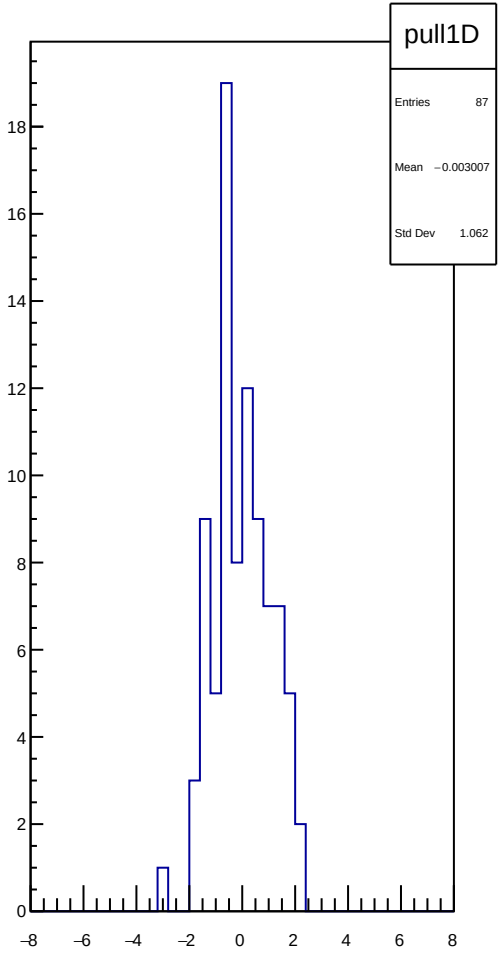

pull1D
Entries 87
Mean 0.01506
Std Dev 1.05

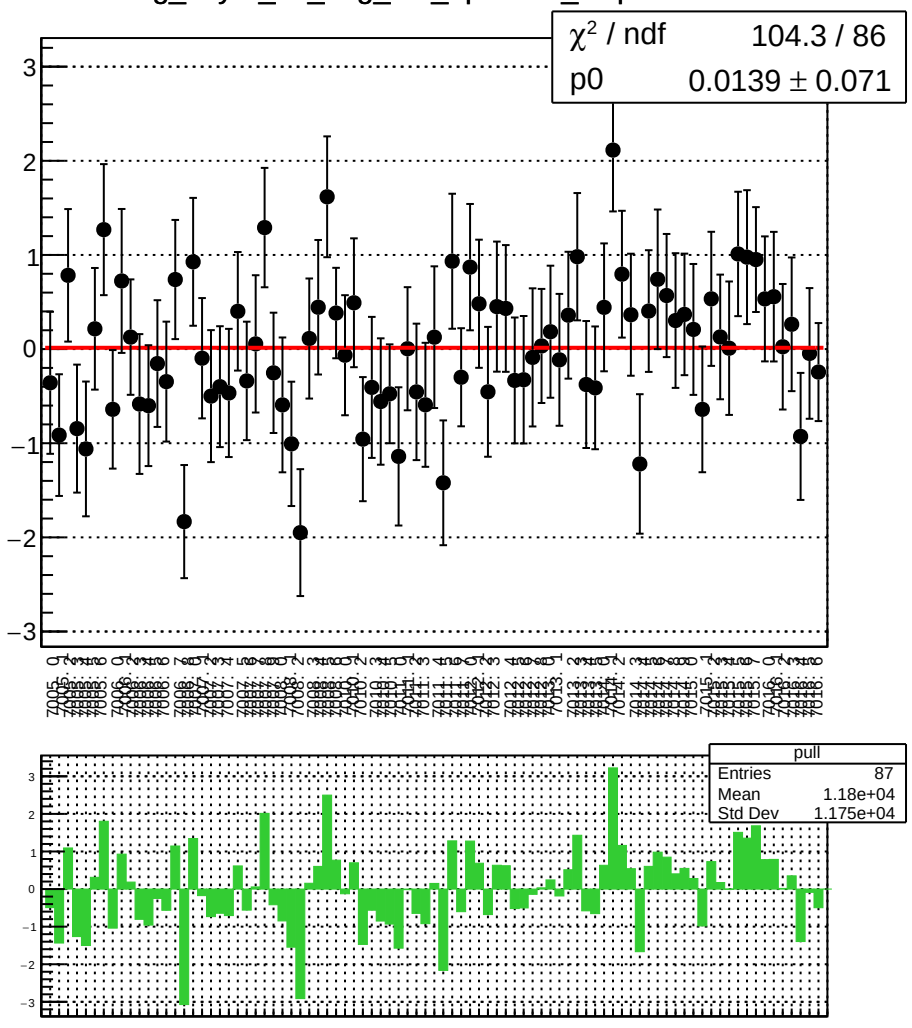

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 96.84 / 86
p0 −0.1116 ± 0.09813
pull
Entries 87
Mean −559.4
Std Dev 609.7

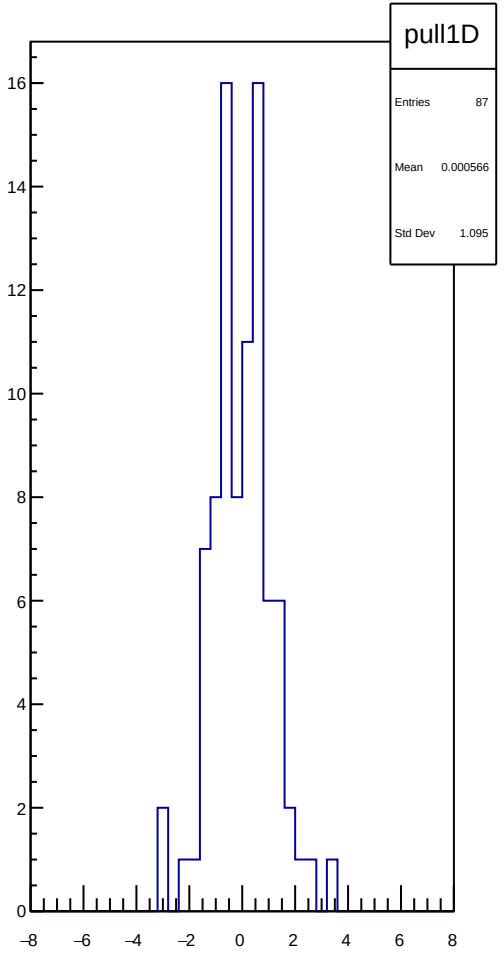

pull1D
Entries 87
Mean 0.002338
Std Dev 1.055

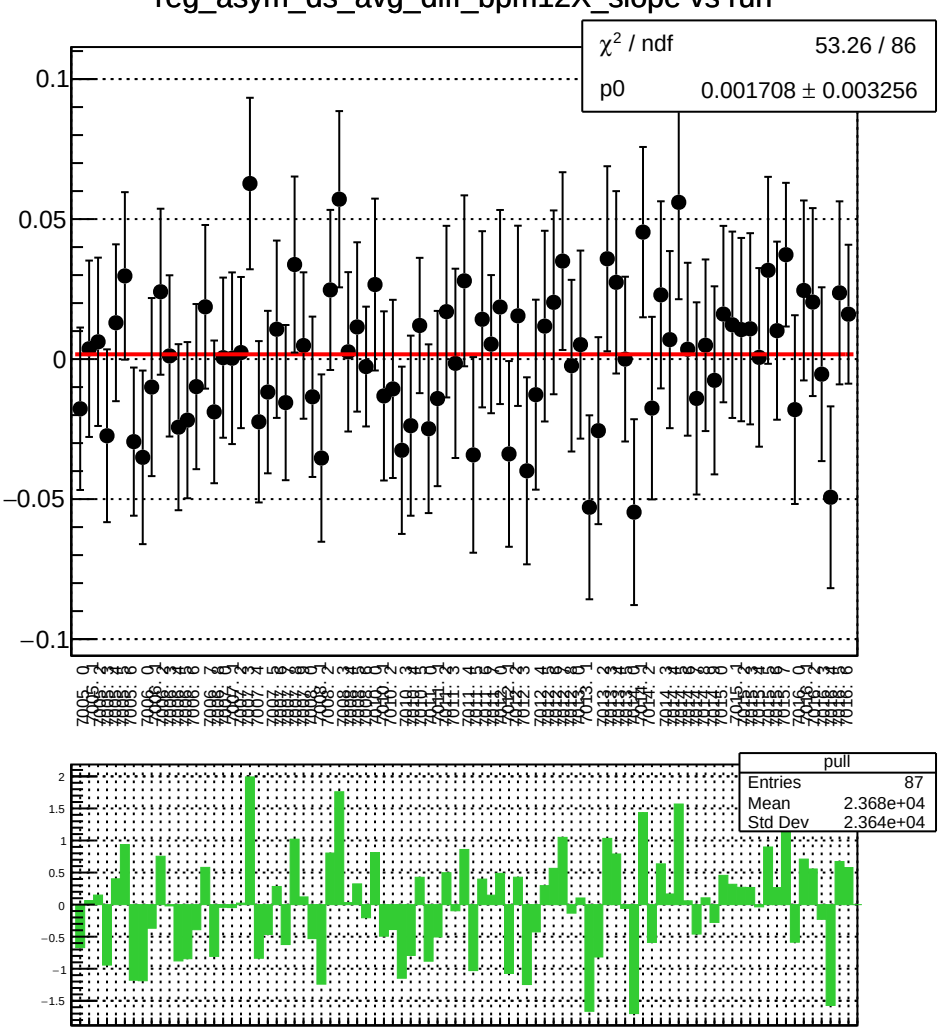

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.5 / 86
p0 0.002898 ± 0.06759
pull
Entries 87
Mean −1134
Std Dev 1179
pull1D
Entries 87
Mean 0.005583
Std Dev 1.101

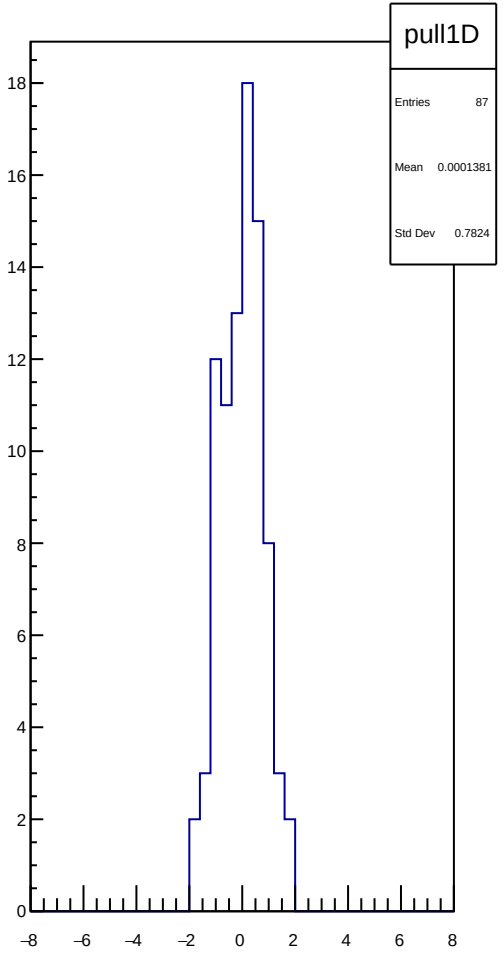

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.19 / 86
p0 0.0988 ± 0.09105
pull
Entries 87
Mean −439
Std Dev 485.7

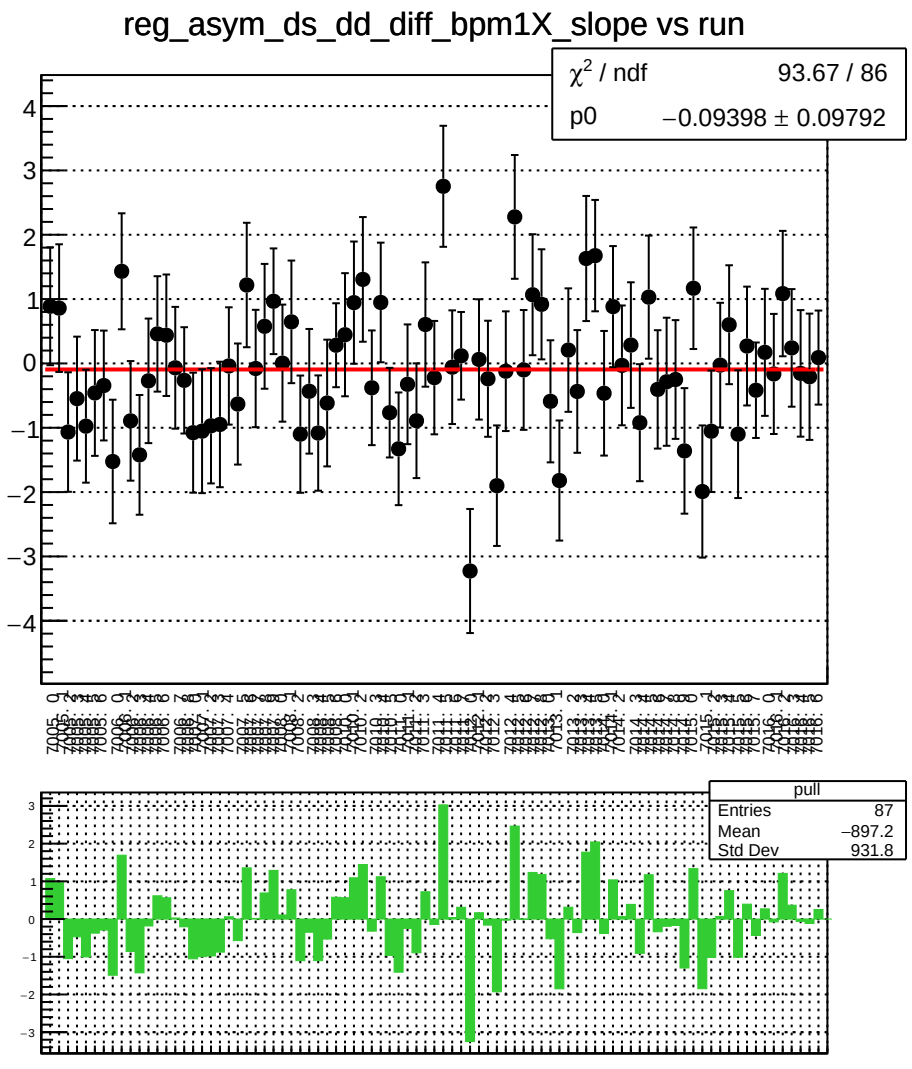

pull1D
Entries 87
Mean −0.003007
Std Dev 1.062

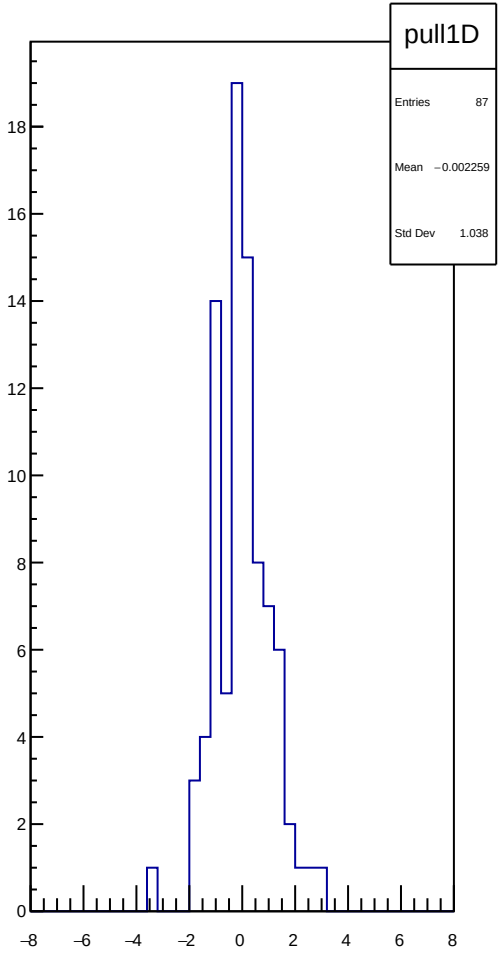

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 86
p0 0.0139 ± 0.071
pull
Entries 87
Mean 1.18e+04
Std Dev 1.175e+04

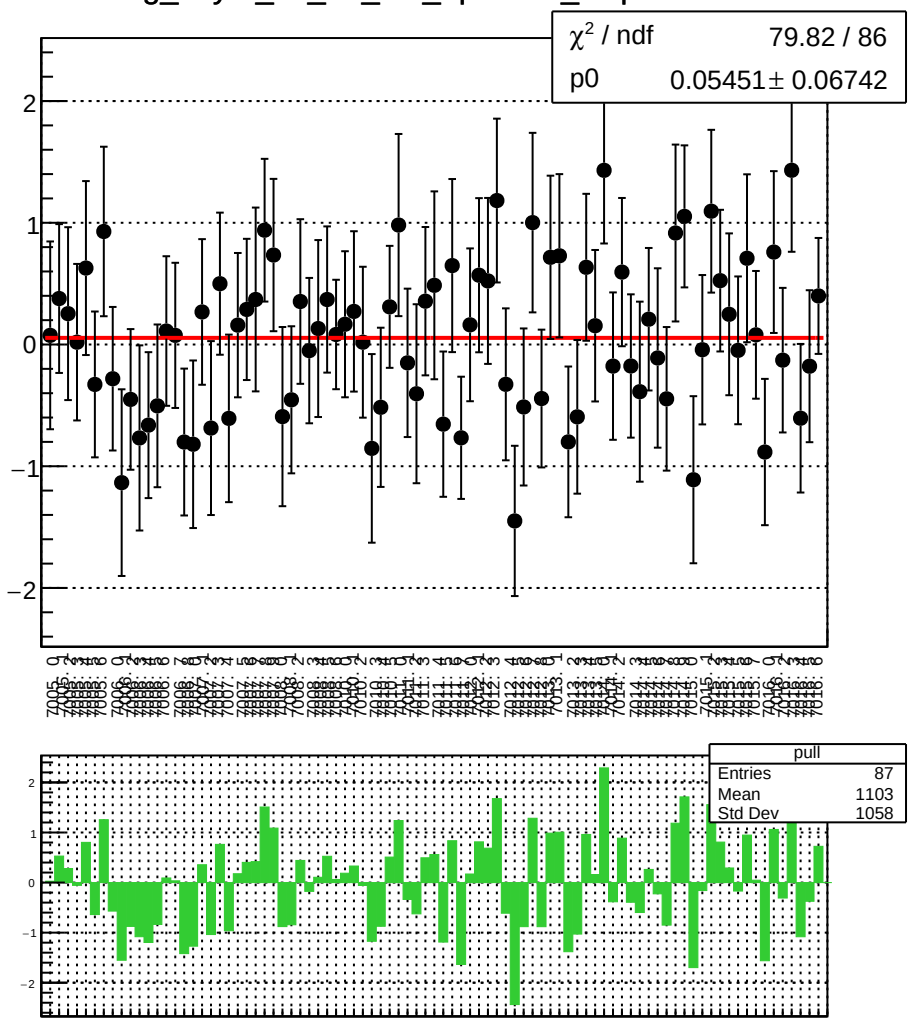

pull1D
Entries 87
Mean 0.000566
Std Dev 1.095

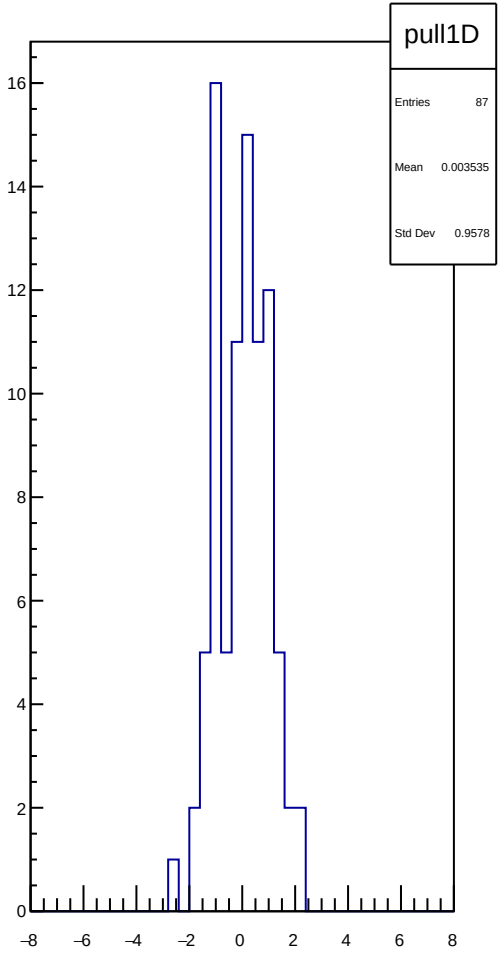

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 53.26 / 86
p0 0.001708 ± 0.003256
pull
Entries 87
Mean 2.368e+04
Std Dev 2.364e+04

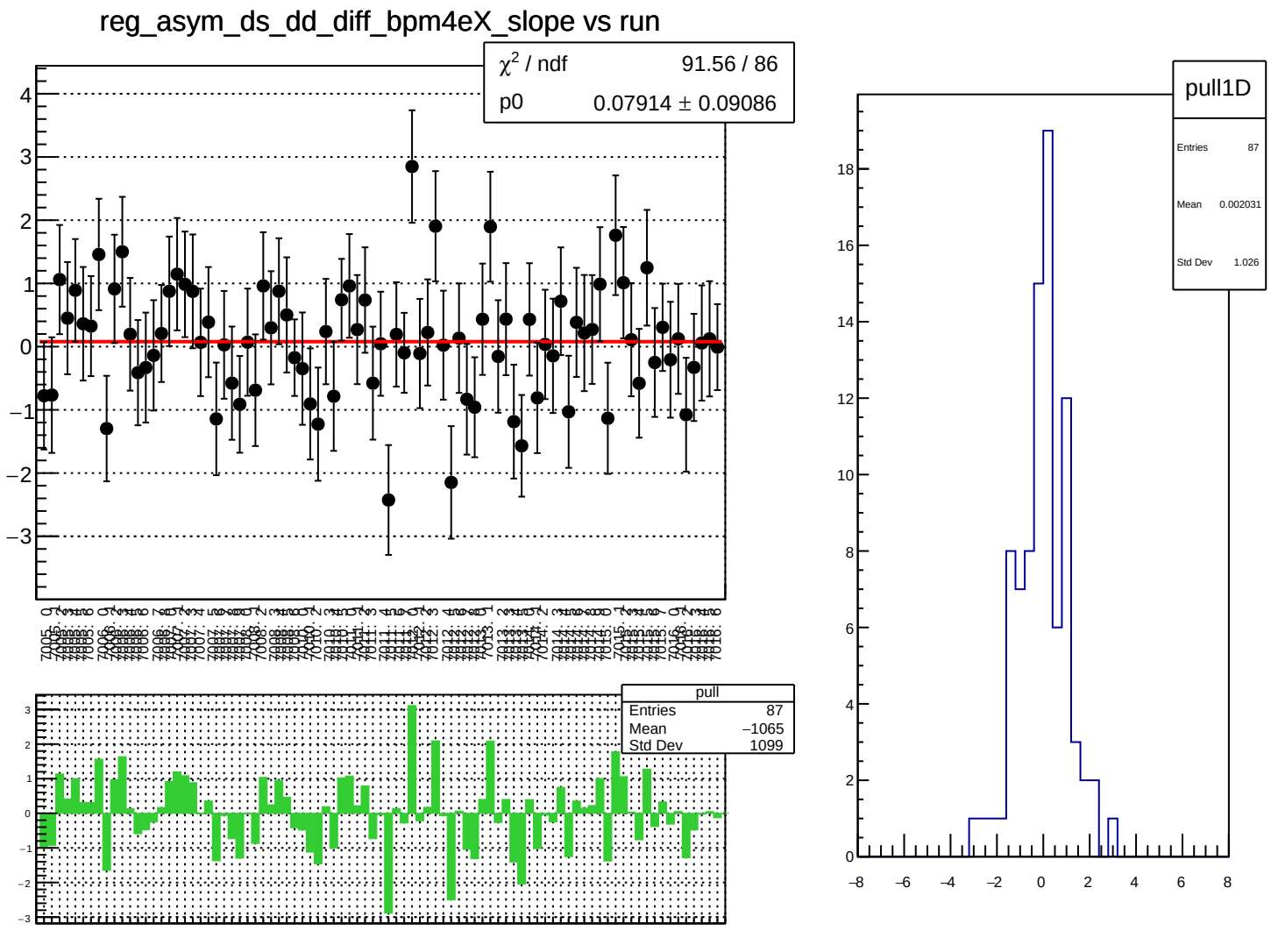

pull1D
Entries 87
Mean 0.0001381
Std Dev 0.7824

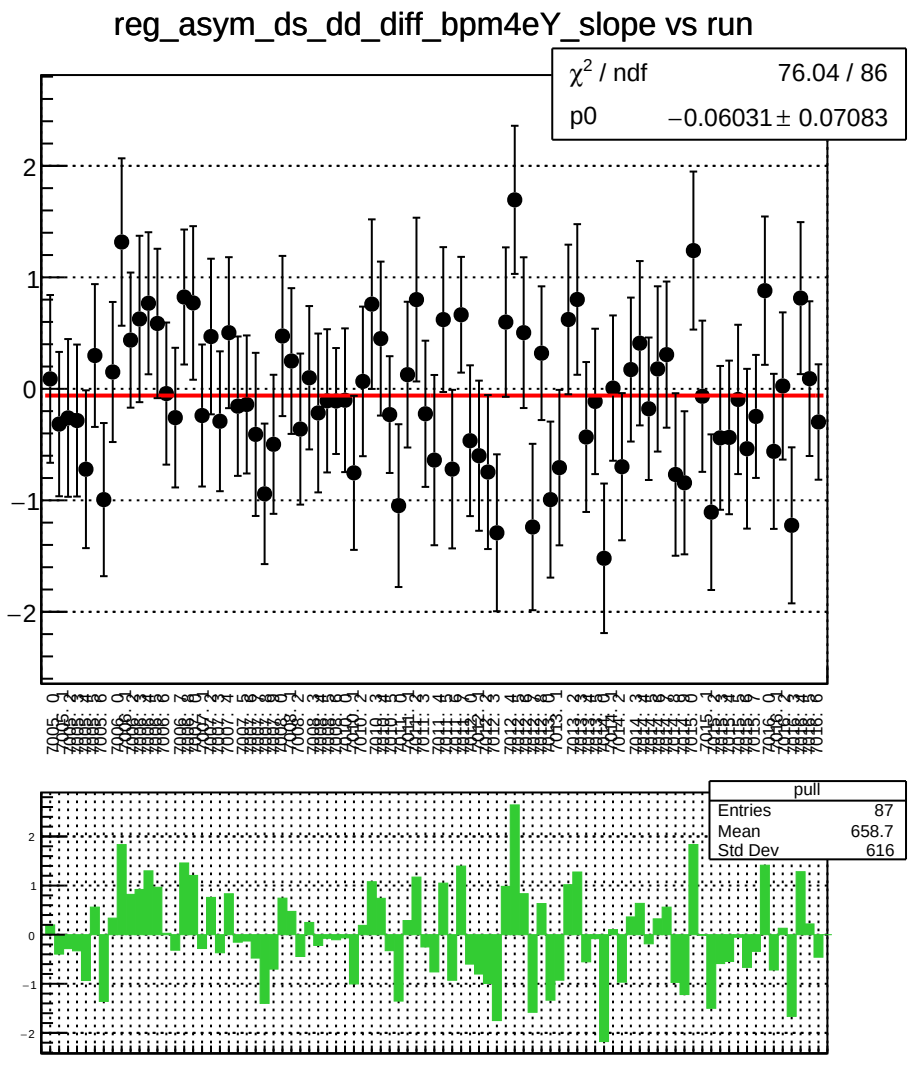

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 93.67 / 86
p0 −0.09398 ± 0.09792
pull
Entries 87
Mean −897.2
Std Dev 931.8

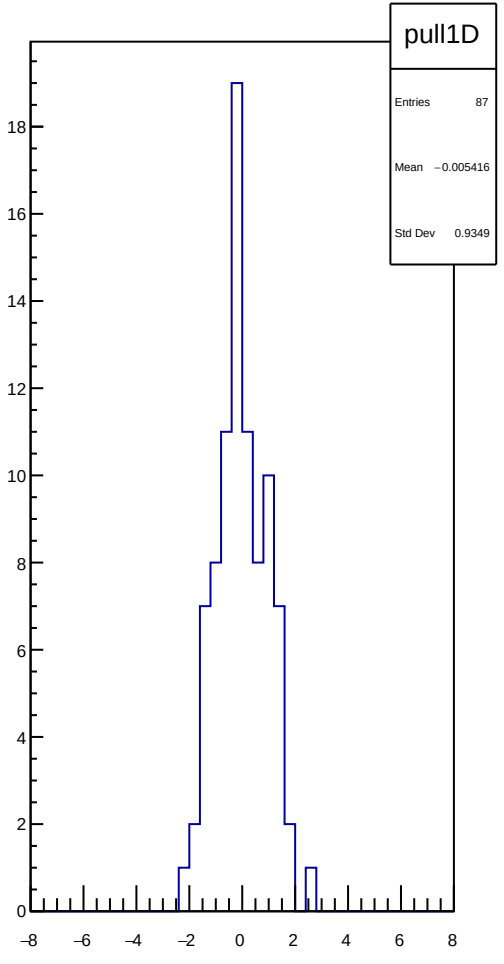

pull1D
Entries 87
Mean −0.002259
Std Dev 1.038

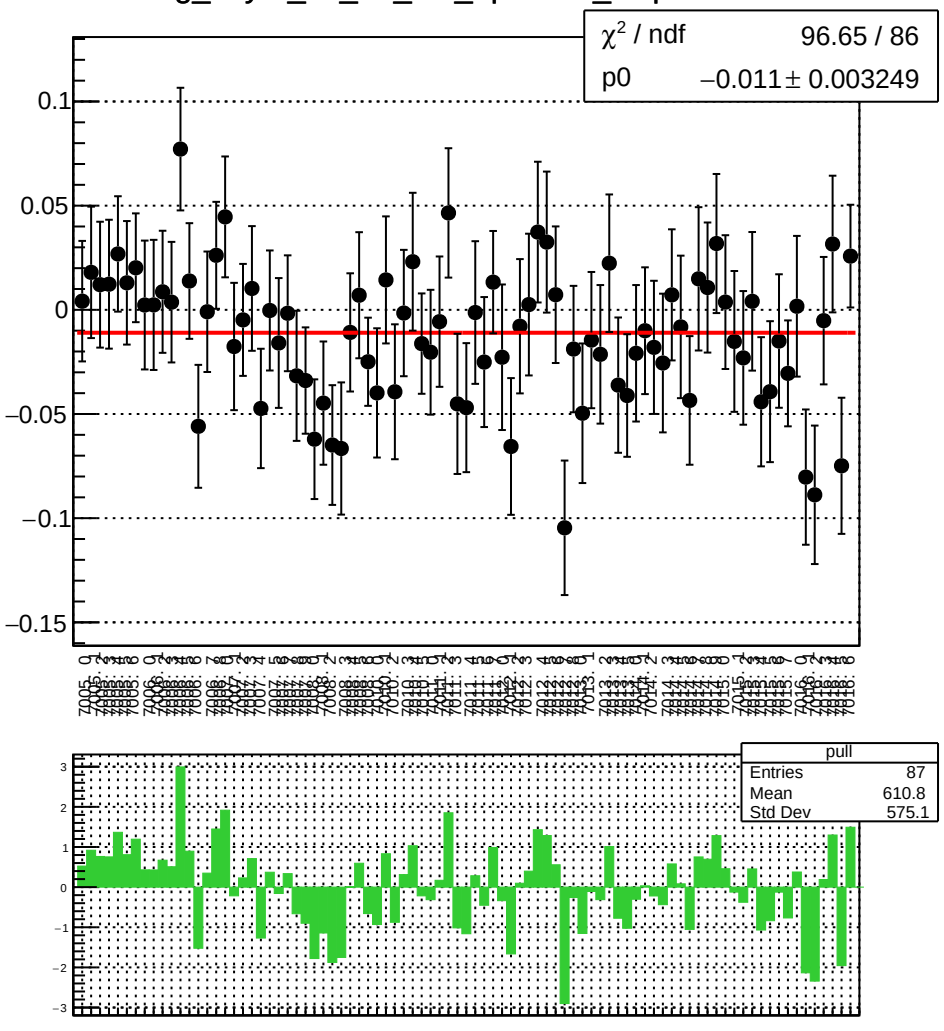

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.82 / 86
p0 0.05451 ± 0.06742
pull
Entries 87
Mean 1103
Std Dev 1058

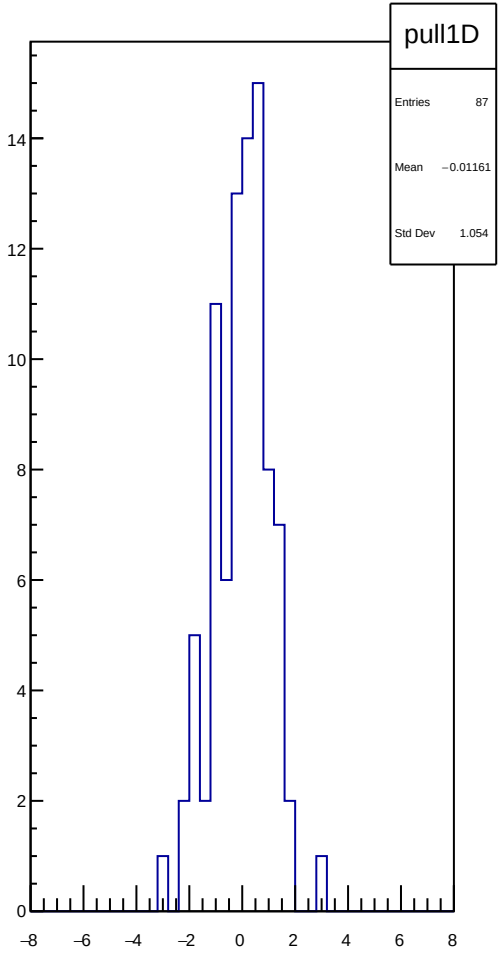

pull1D
Entries 87
Mean 0.003535
Std Dev 0.9578

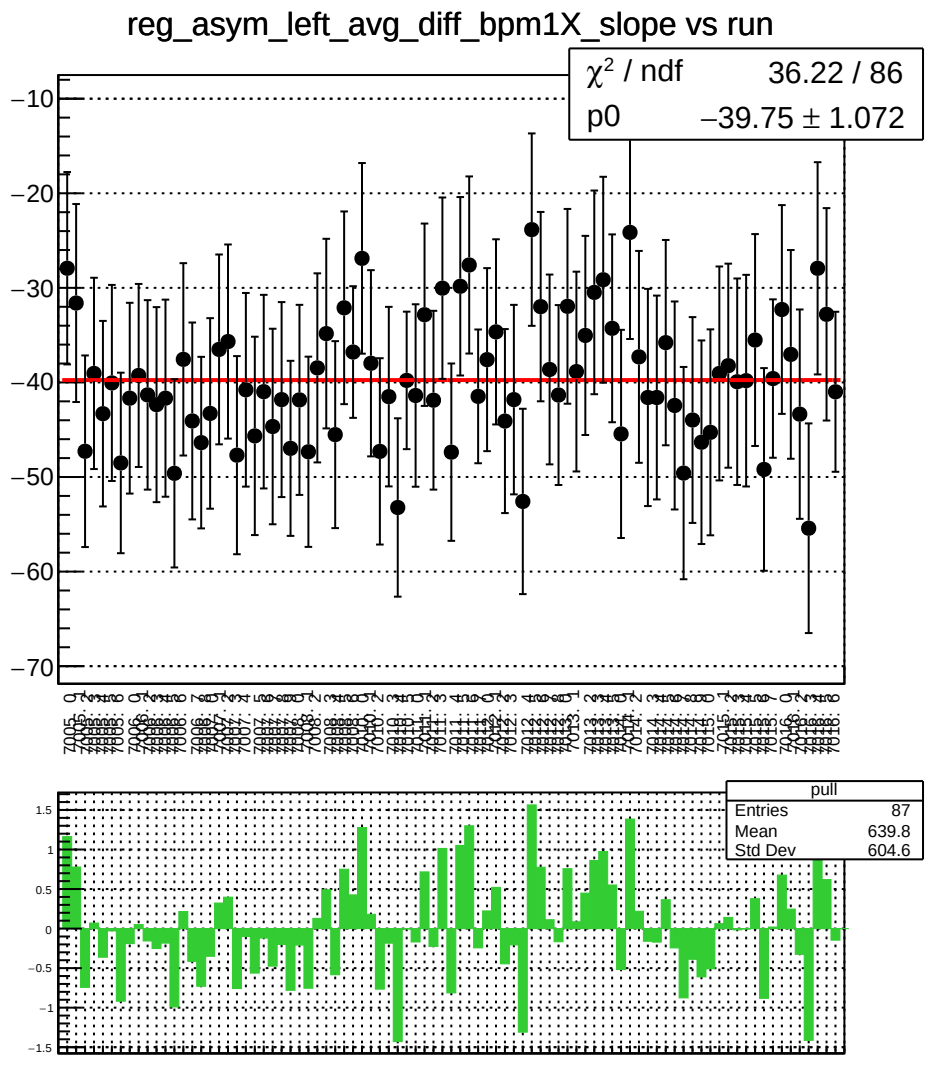

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.56 / 86
p0 0.07914 ± 0.09086
pull
Entries 87
Mean −1065
Std Dev 1099
pull1D
Entries 87
Mean 0.002031
Std Dev 1.026

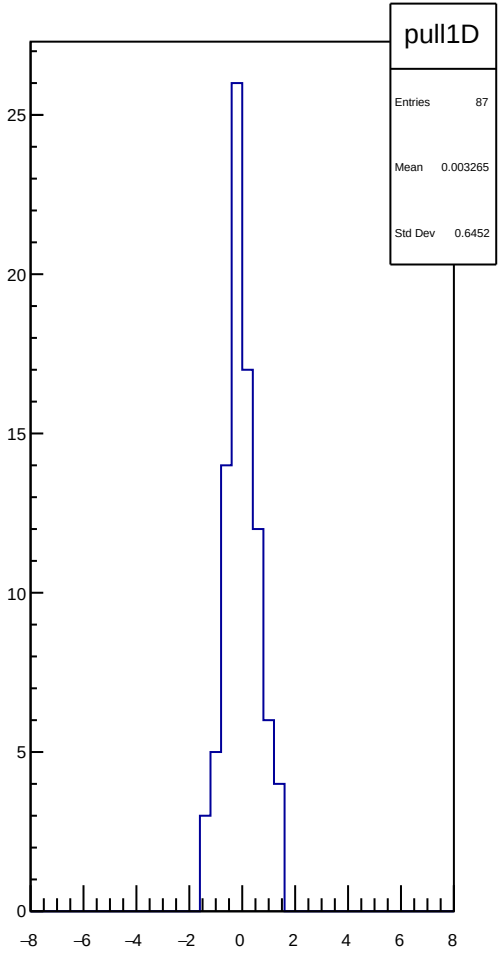

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.04 / 86
p0 −0.06031 ± 0.07083
pull
Entries 87
Mean 658.7
Std Dev 616

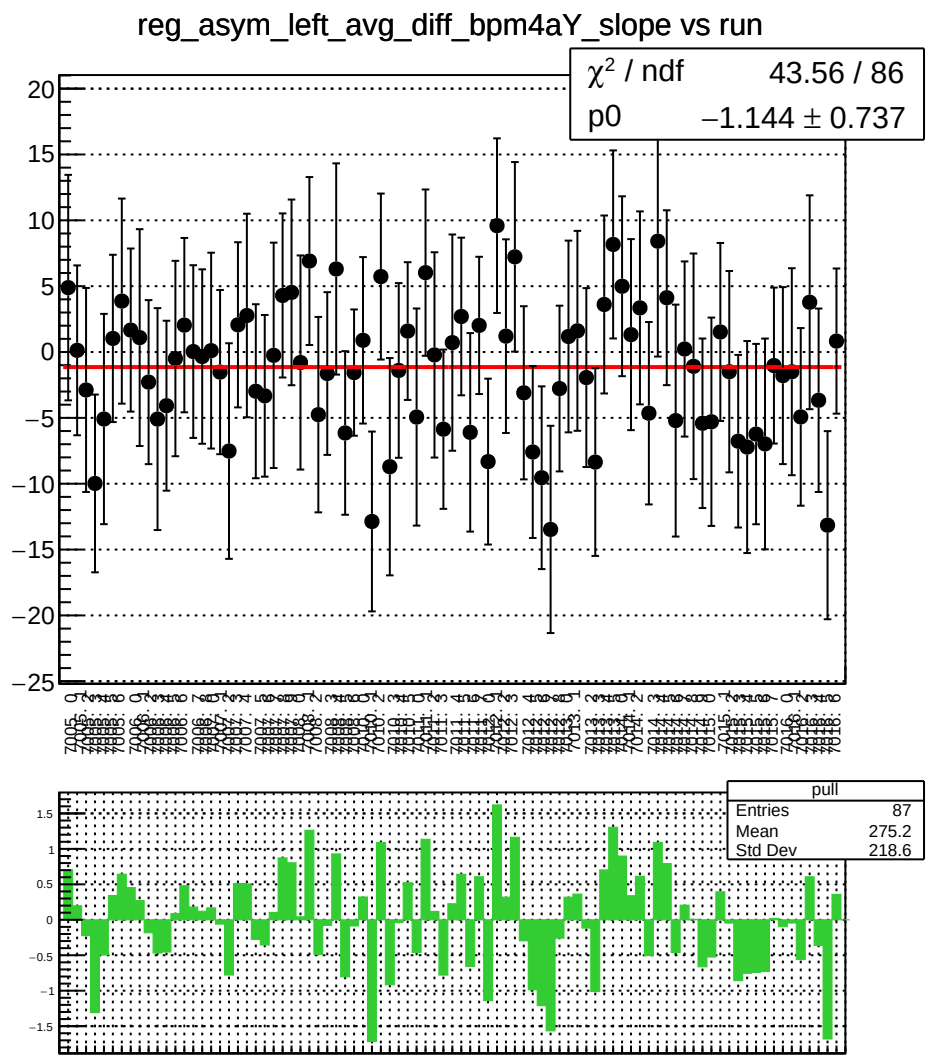

pull1D
Entries 87
Mean −0.005416
Std Dev 0.9349

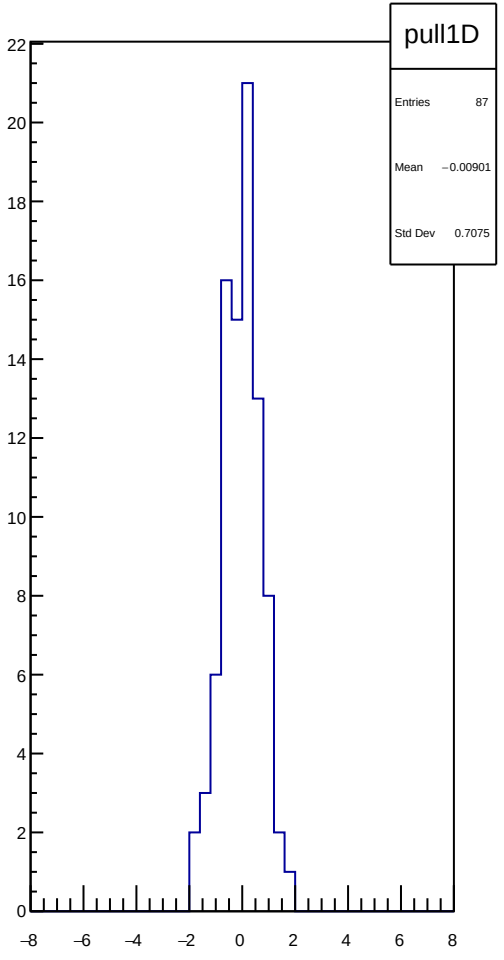

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 96.65 / 86
p0 −0.011 ± 0.003249
pull
Entries 87
Mean 610.8
Std Dev 575.1

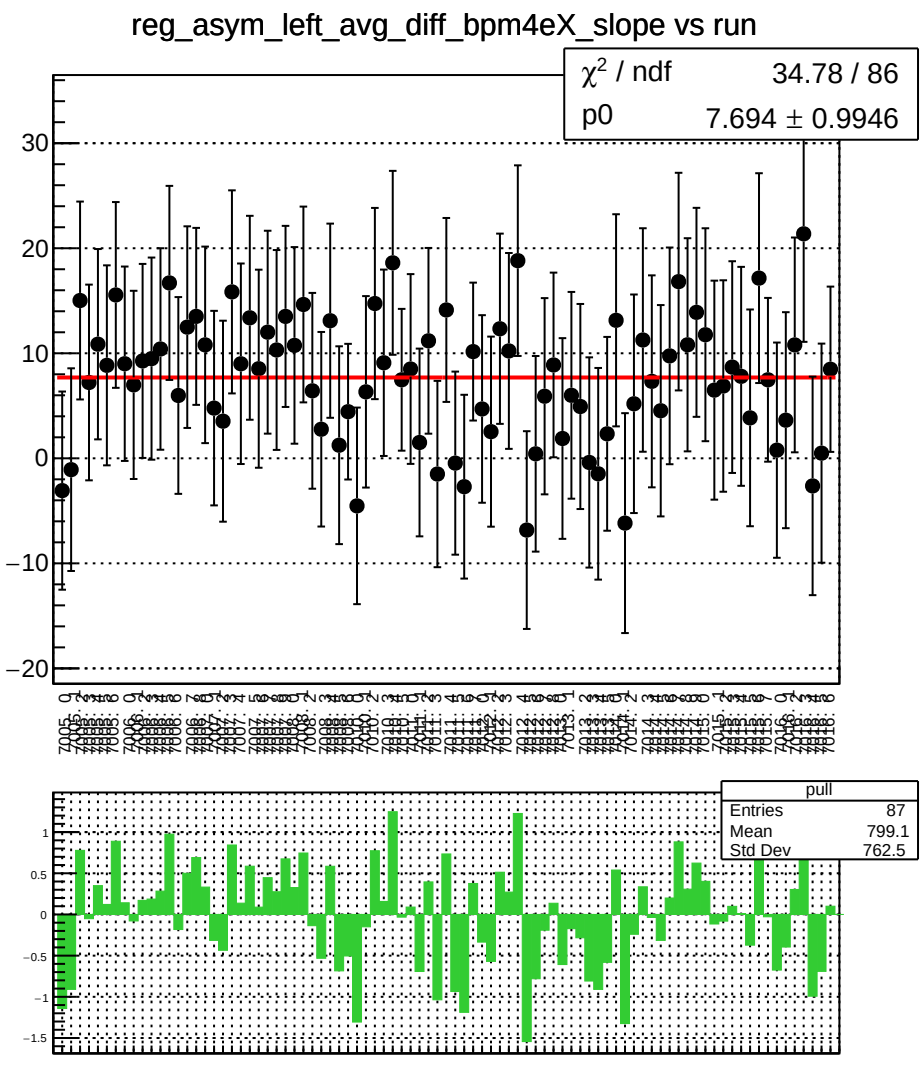

pull1D
Entries 87
Mean −0.01161
Std Dev 1.054

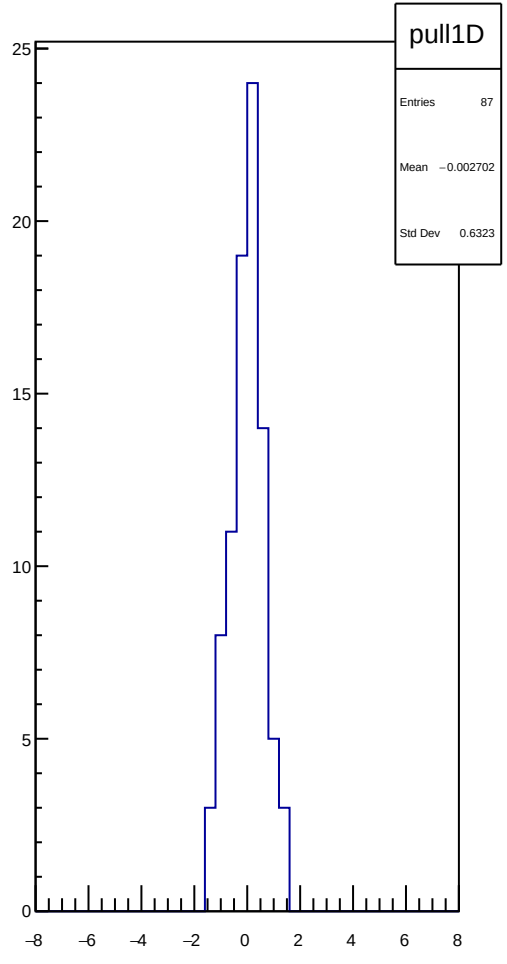

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 36.22 / 86
p0 −39.75 ± 1.072
pull
Entries 87
Mean 639.8
Std Dev 604.6

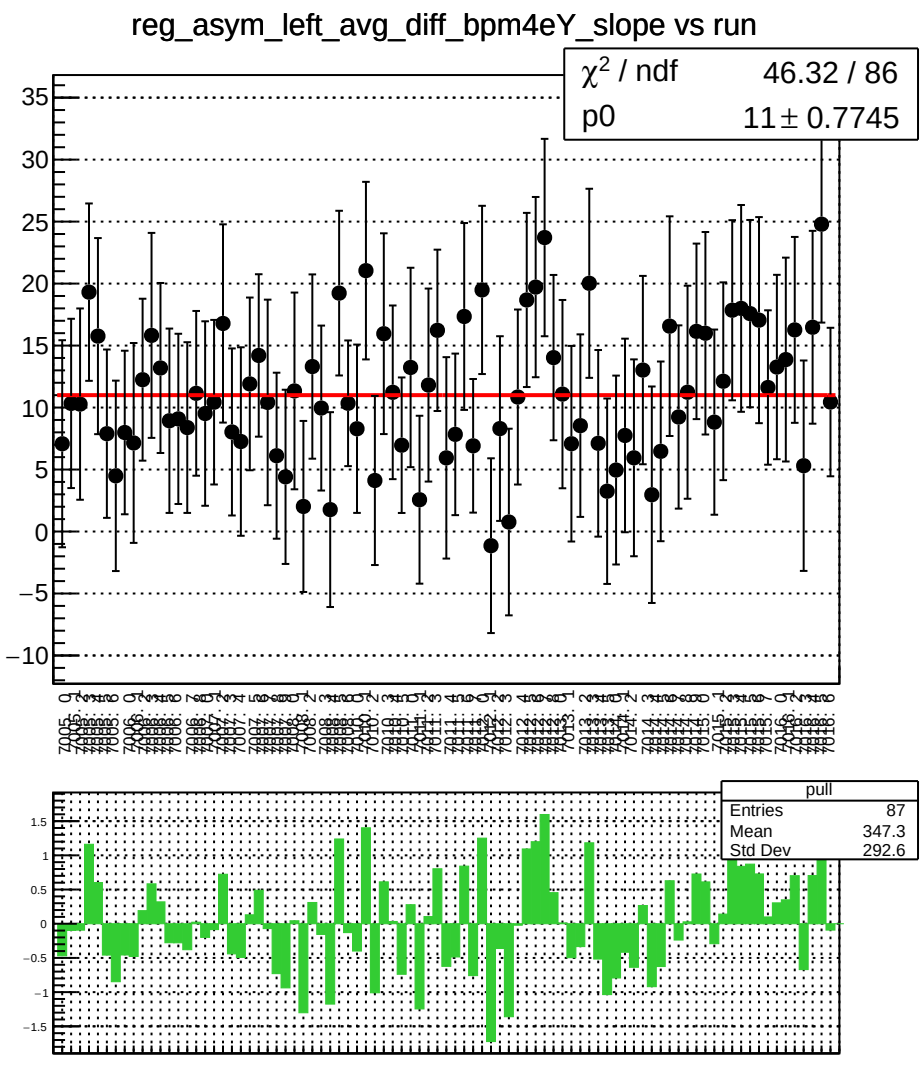

pull1D
Entries 87
Mean 0.003265
Std Dev 0.6452

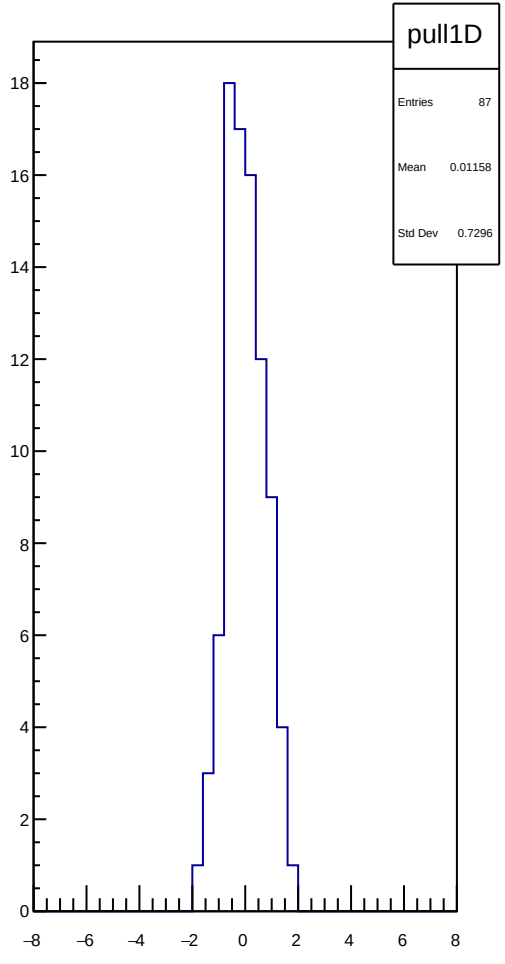

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.56 / 86
p0 −1.144 ± 0.737
pull
Entries 87
Mean 275.2
Std Dev 218.6

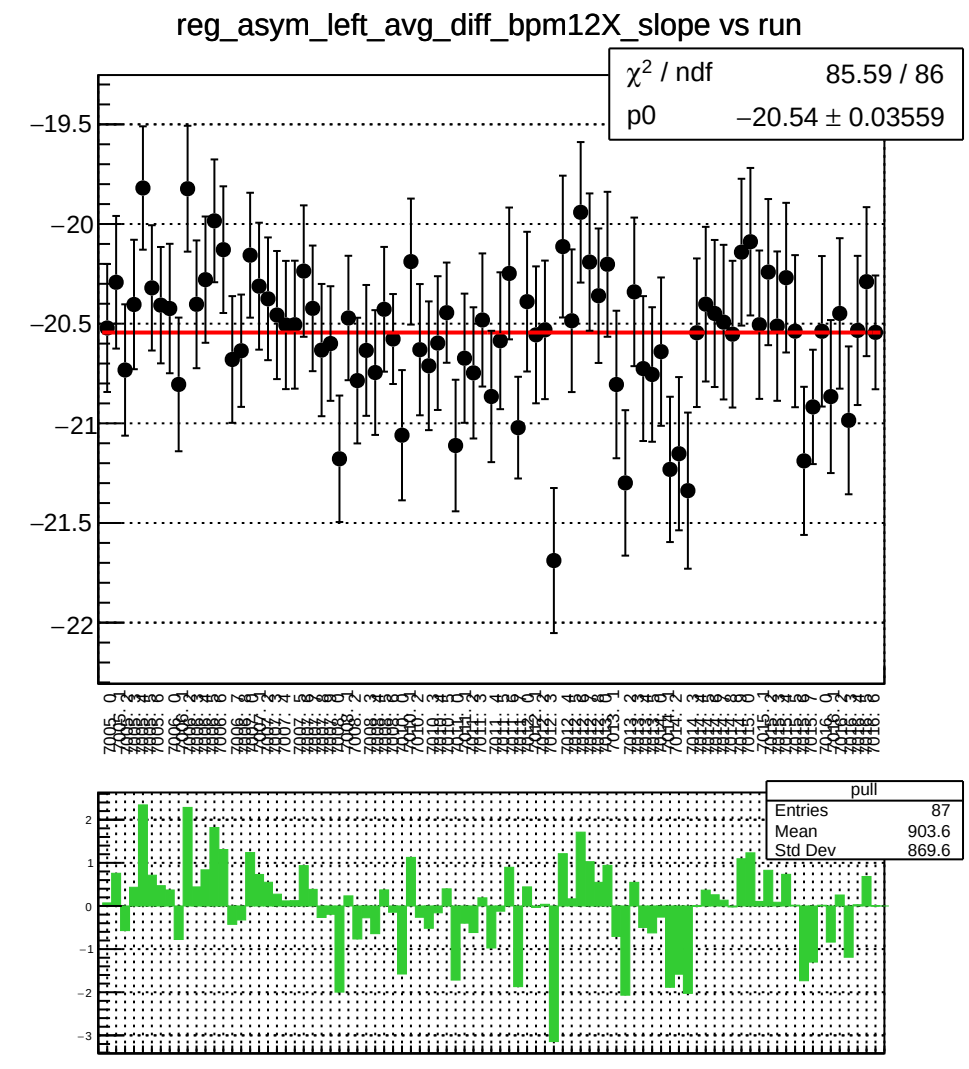

pull1D
Entries 87
Mean −0.00901
Std Dev 0.7075

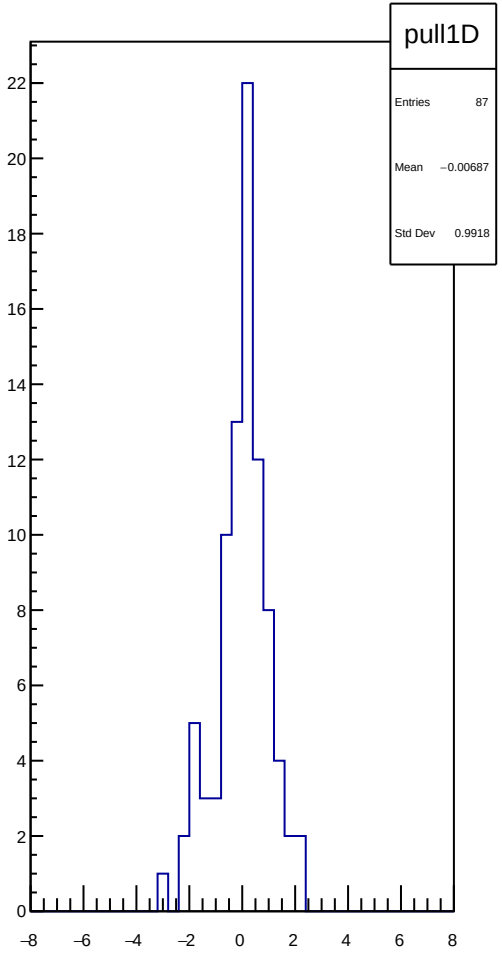

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.78 / 86
p0 7.694 ± 0.9946
pull
Entries 87
Mean 799.1
Std Dev 762.5

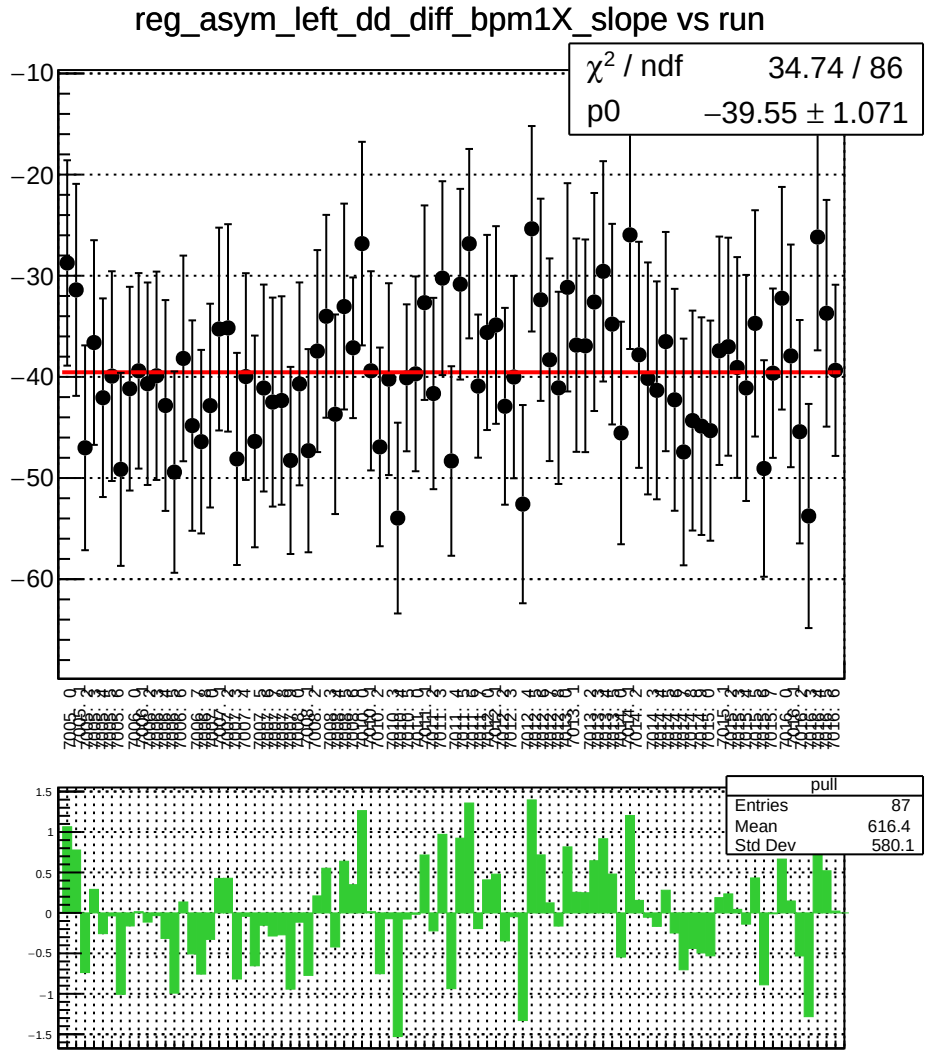

pull1D
Entries 87
Mean −0.002702
Std Dev 0.6323

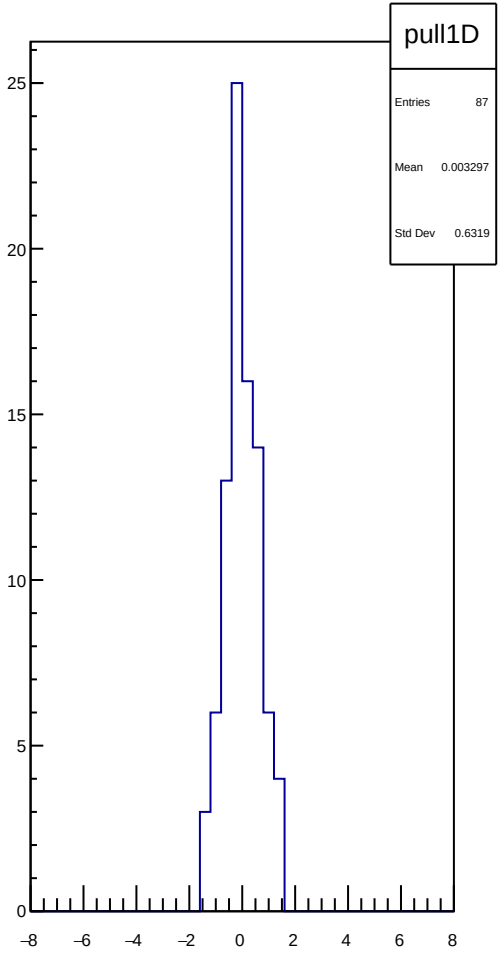

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.32 / 86
p0 11 ± 0.7745
pull
Entries 87
Mean 347.3
Std Dev 292.6

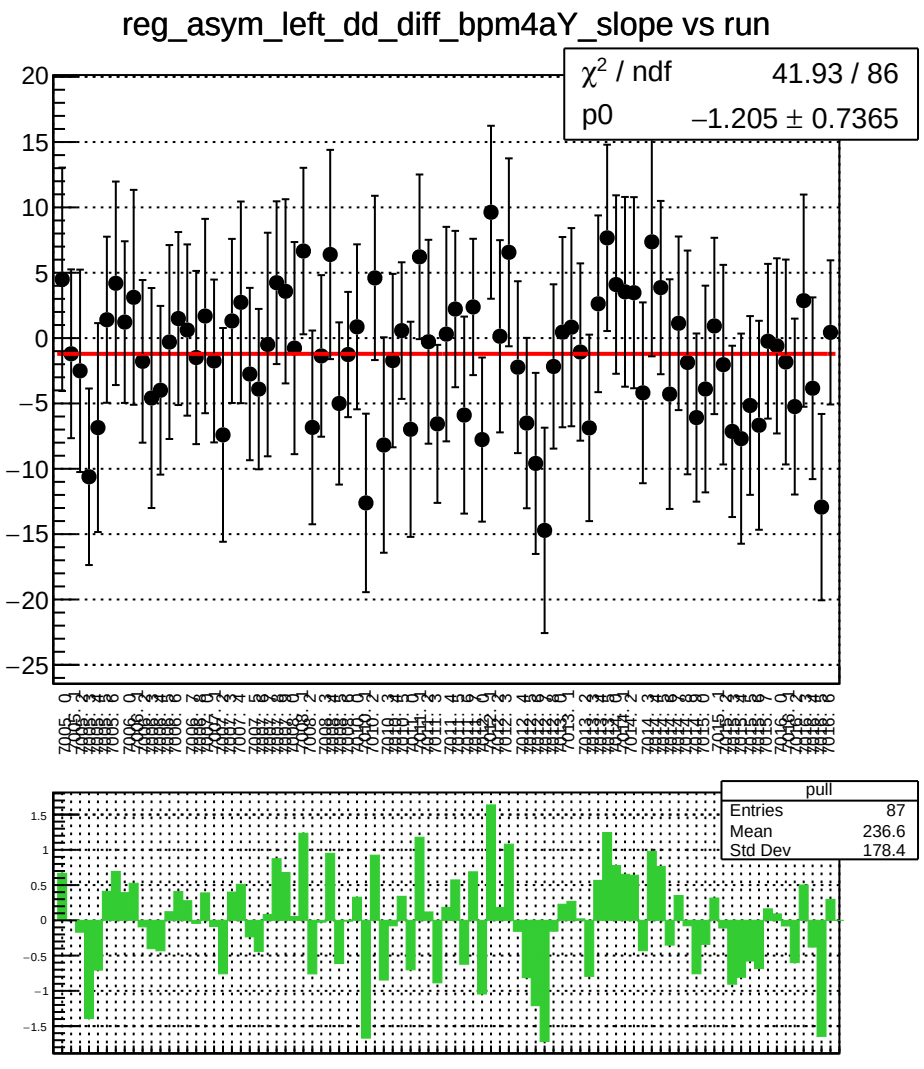

pull1D
Entries 87
Mean 0.01158
Std Dev 0.7296

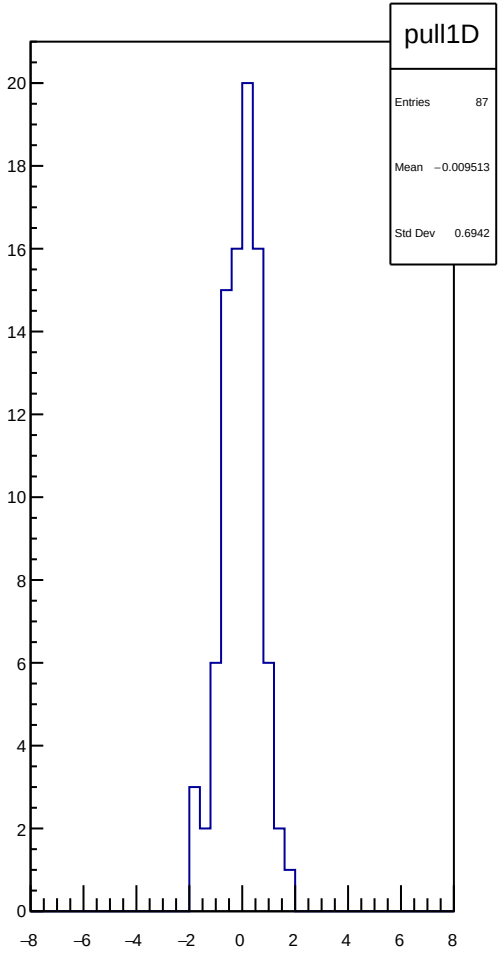

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 85.59 / 86
p0 −20.54 ± 0.03559
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 87
Mean 903.6
Std Dev 869.6
2
1
0
−1
−2
−3

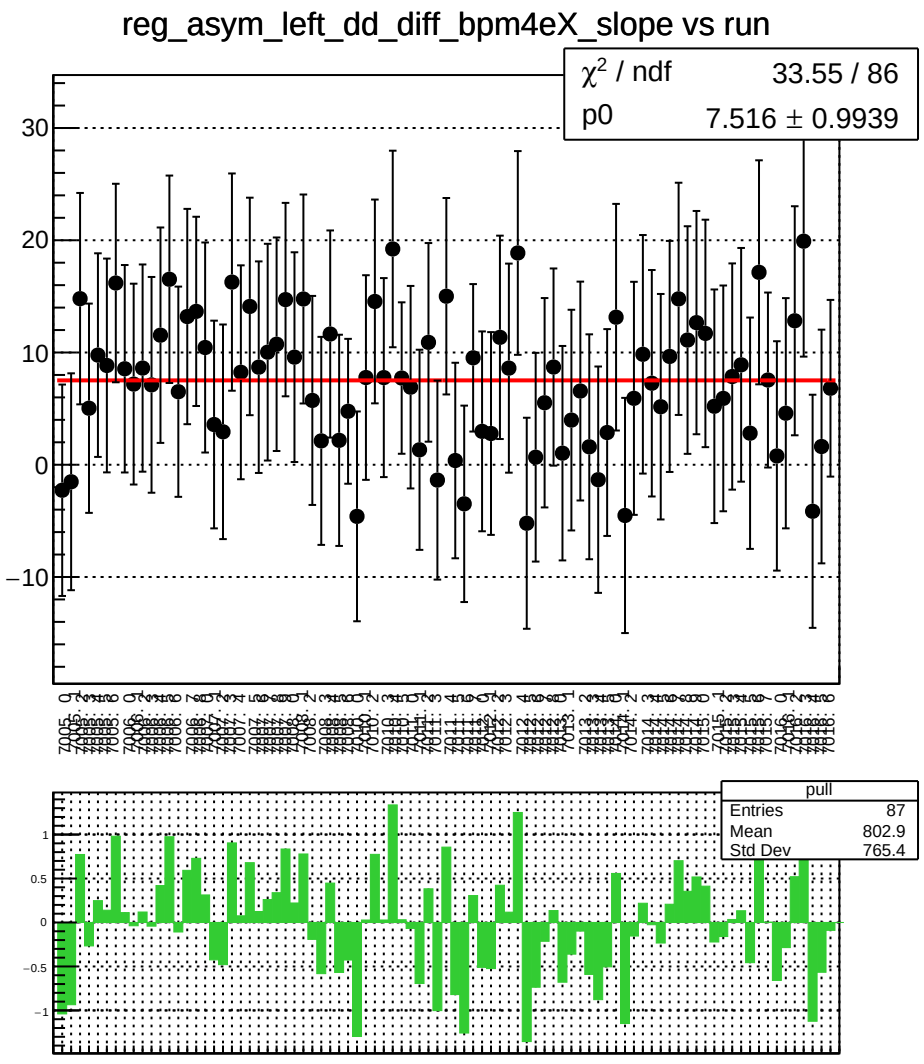

pull1D
Entries 87
Mean −0.00687
Std Dev 0.9918
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

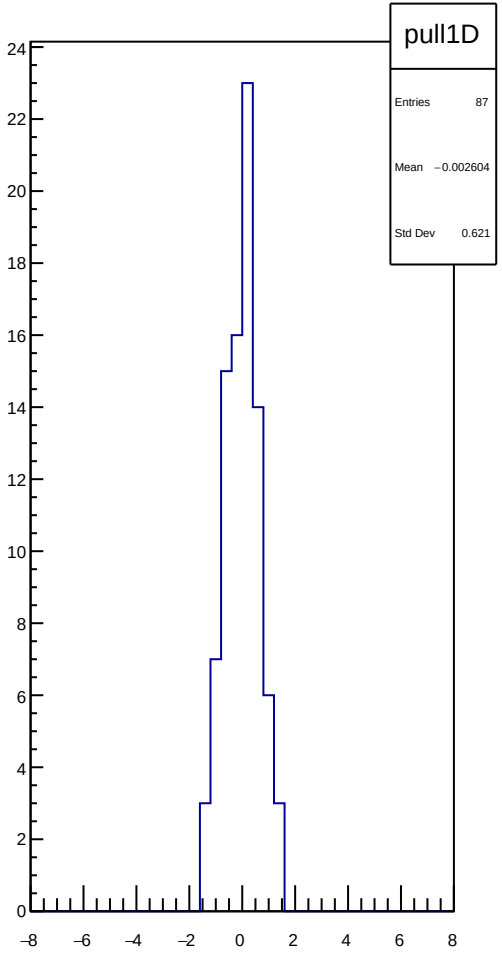

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 34.74 / 86
p0 −39.55 ± 1.071
pull
Entries 87
Mean 616.4
Std Dev 580.1

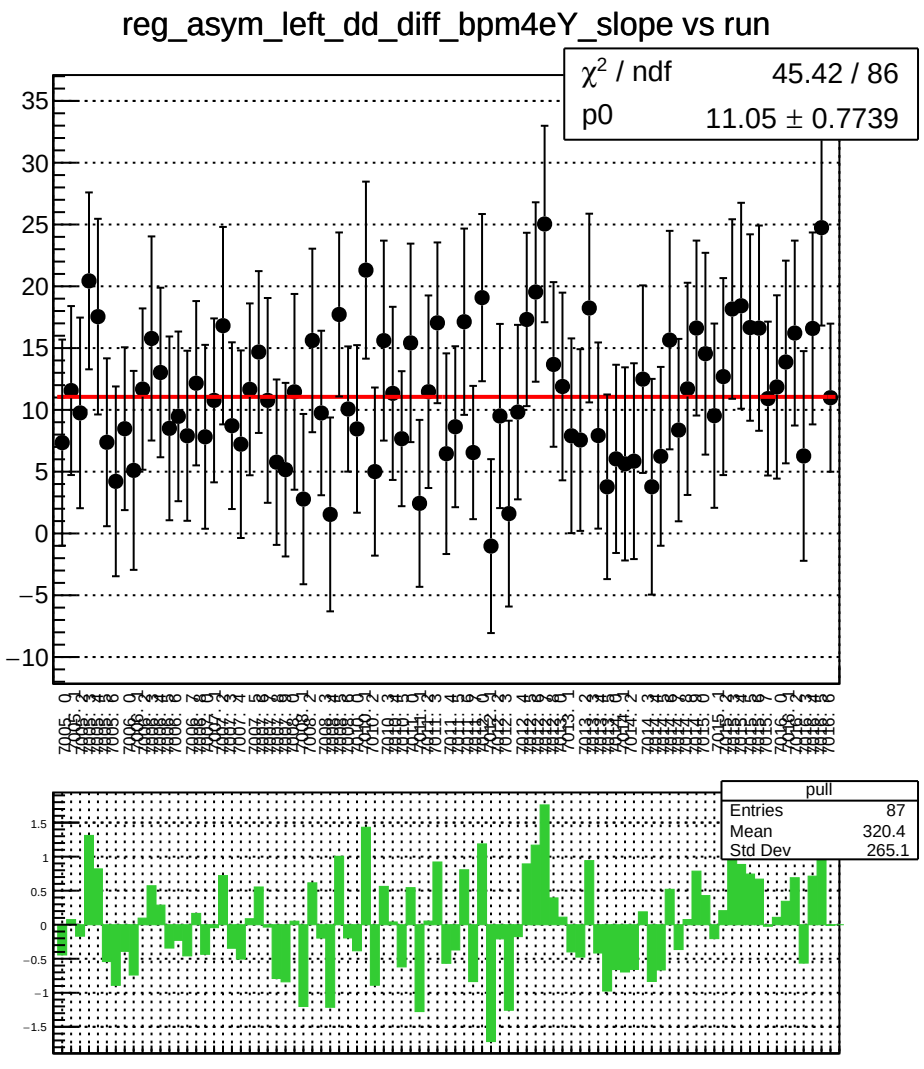

pull1D
Entries 87
Mean 0.003297
Std Dev 0.6319

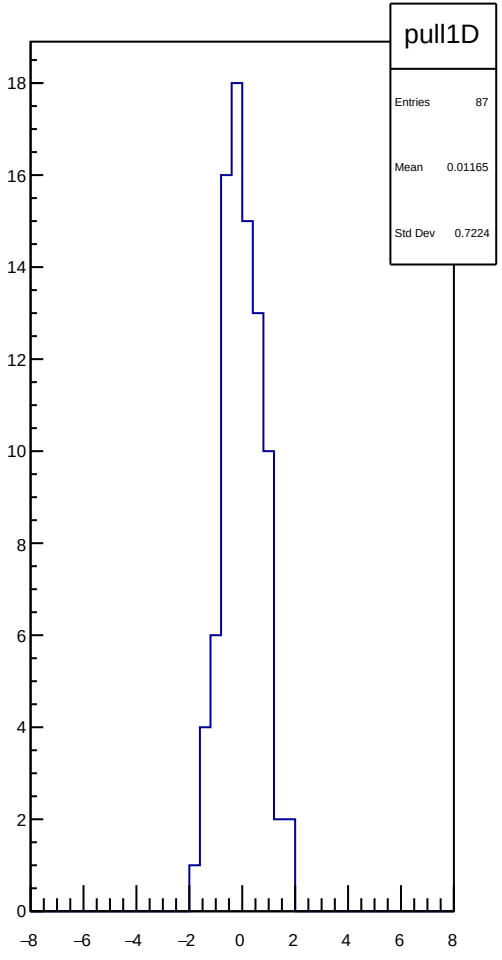

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.93 / 86
p0 −1.205 ± 0.7365
pull
Entries 87
Mean 236.6
Std Dev 178.4

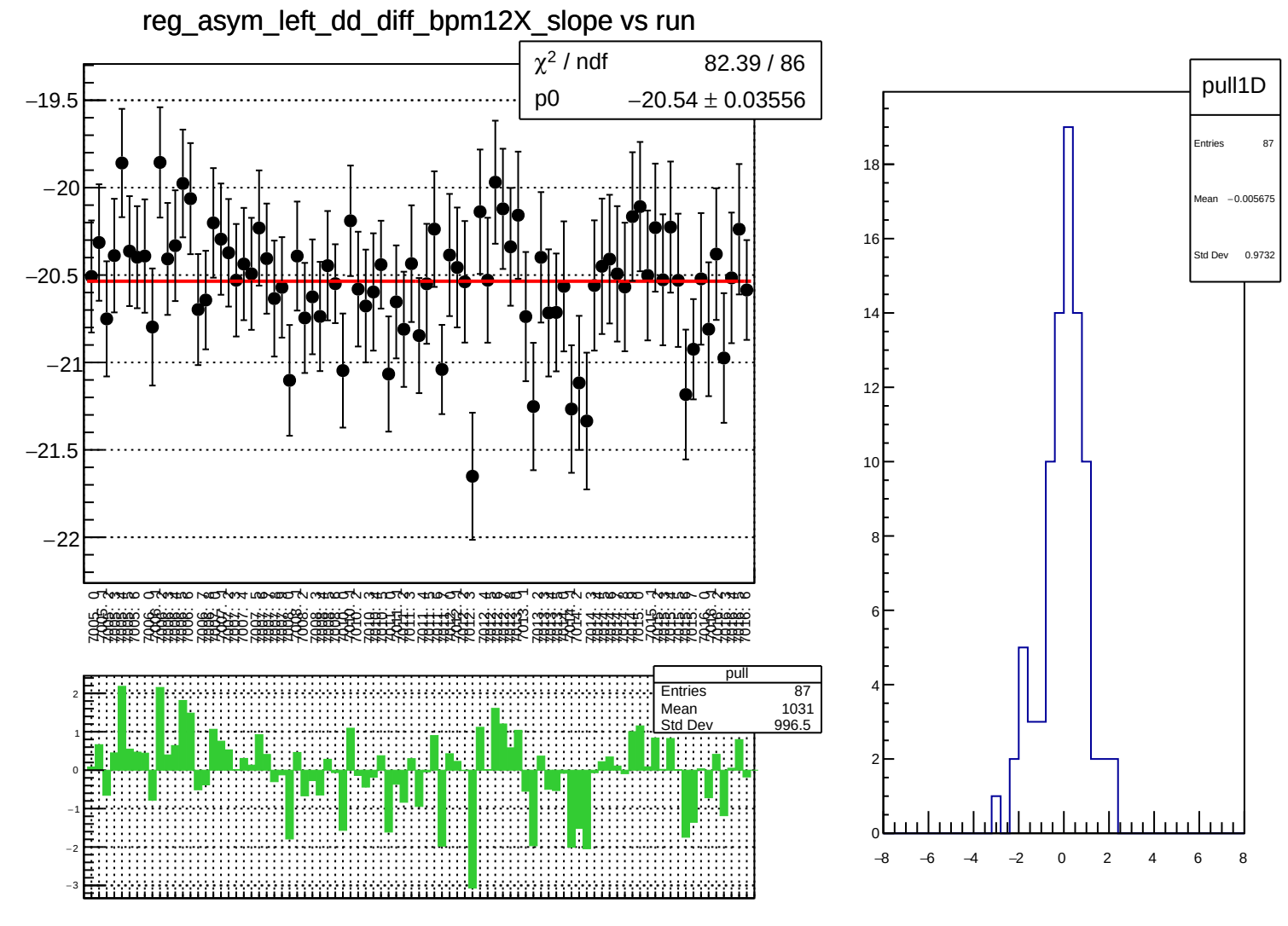

pull1D
Entries 87
Mean −0.009513
Std Dev 0.6942

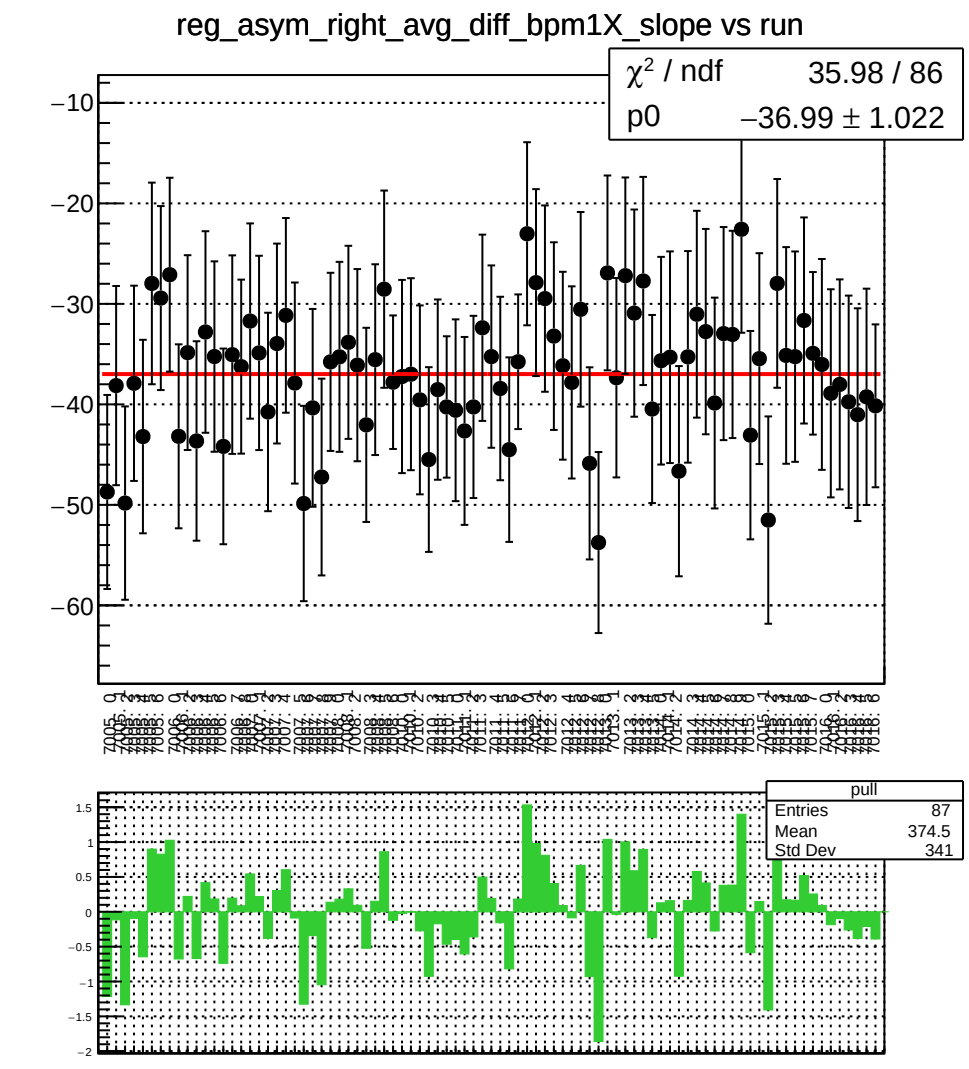

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.55 / 86
p0 7.516 ± 0.9939
pull
Entries 87
Mean 802.9
Std Dev 765.4

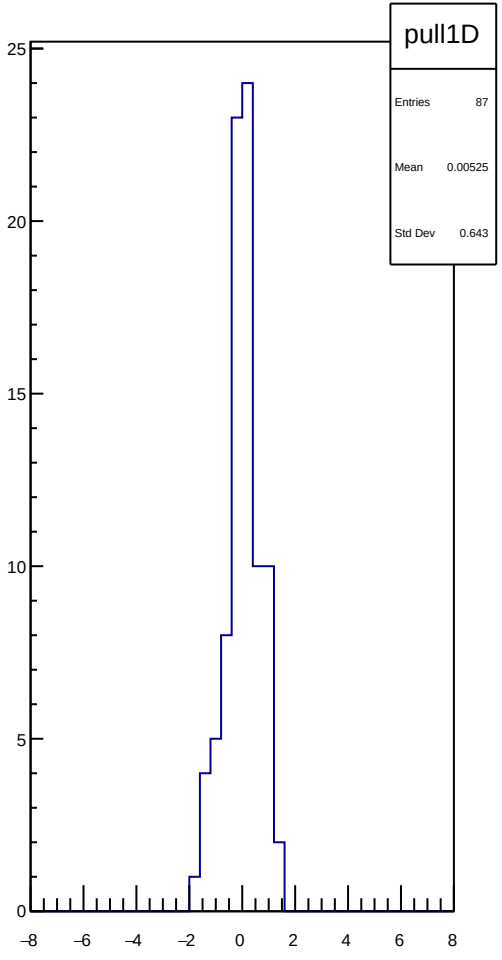

pull1D
Entries 87
Mean −0.002604
Std Dev 0.621

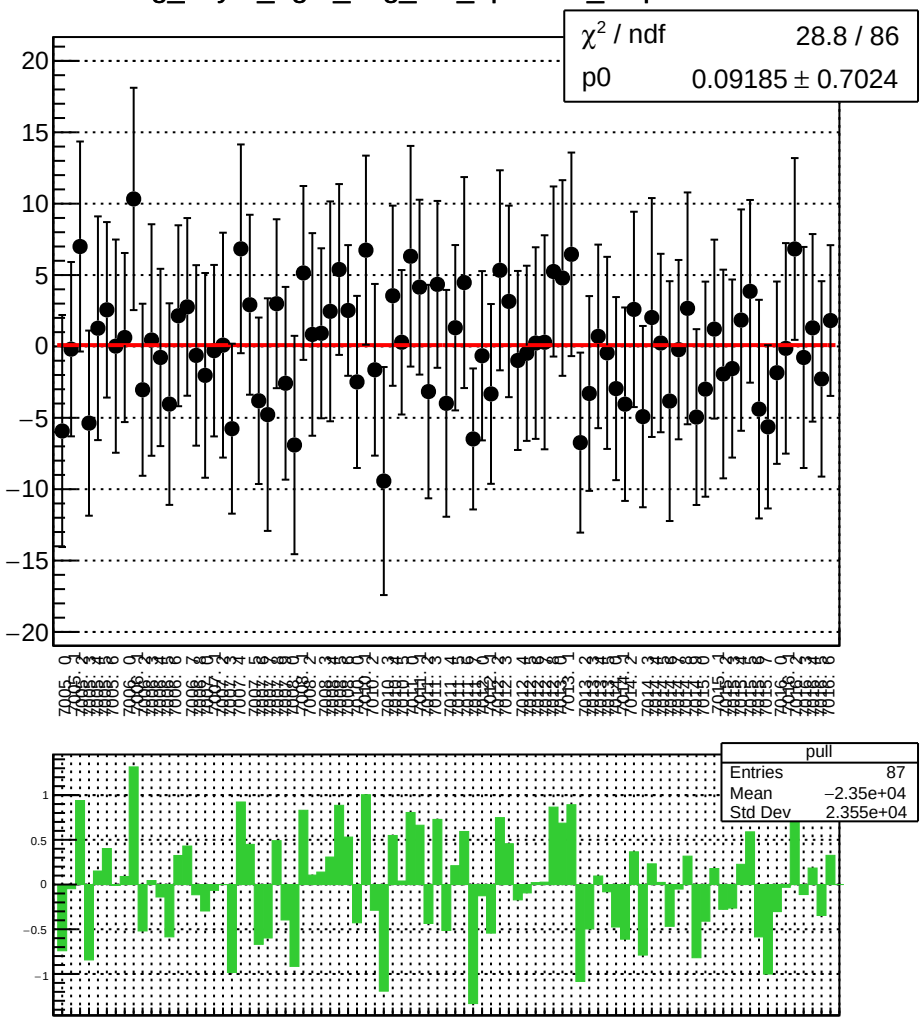

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.42 / 86
p0 11.05 ± 0.7739
pull
Entries 87
Mean 320.4
Std Dev 265.1

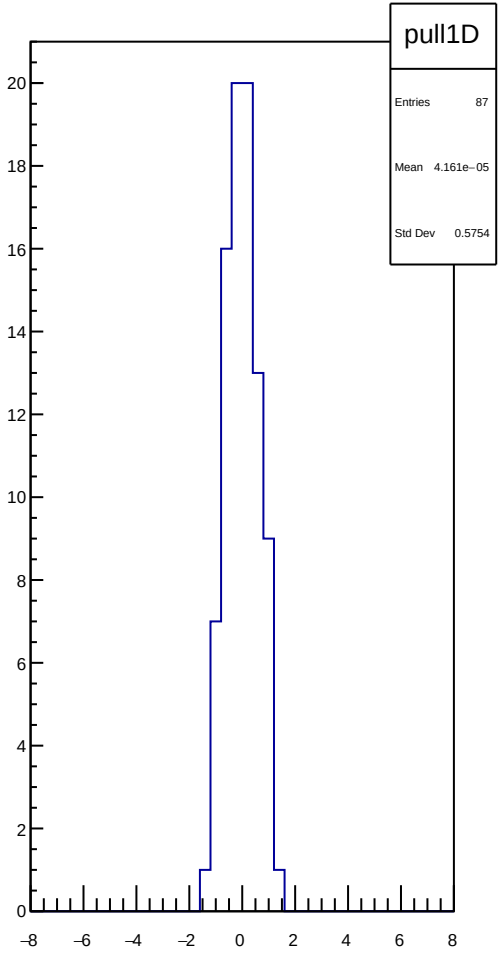

pull1D
Entries 87
Mean 0.01165
Std Dev 0.7224

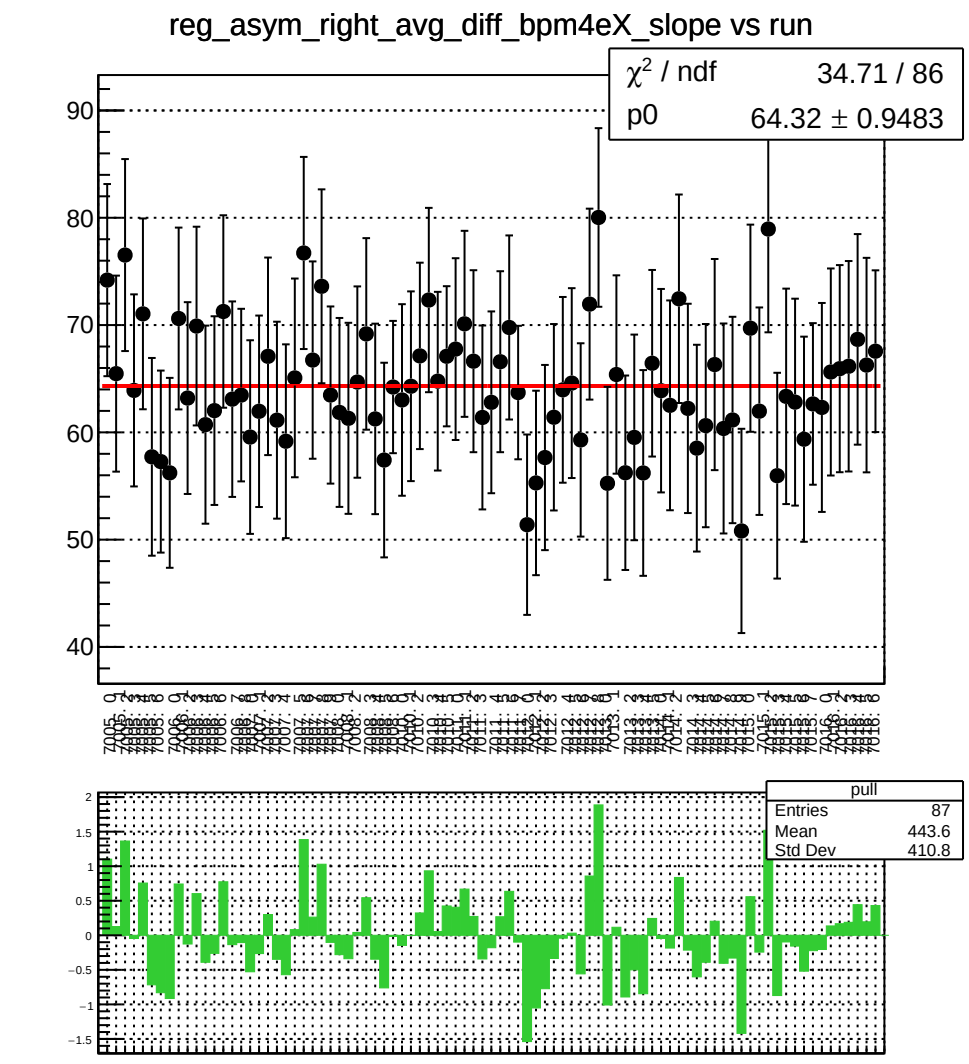

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 82.39 / 86
p0 −20.54 ± 0.03556
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 87
Mean 1031
Std Dev 996.5
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.005675
Std Dev 0.9732
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

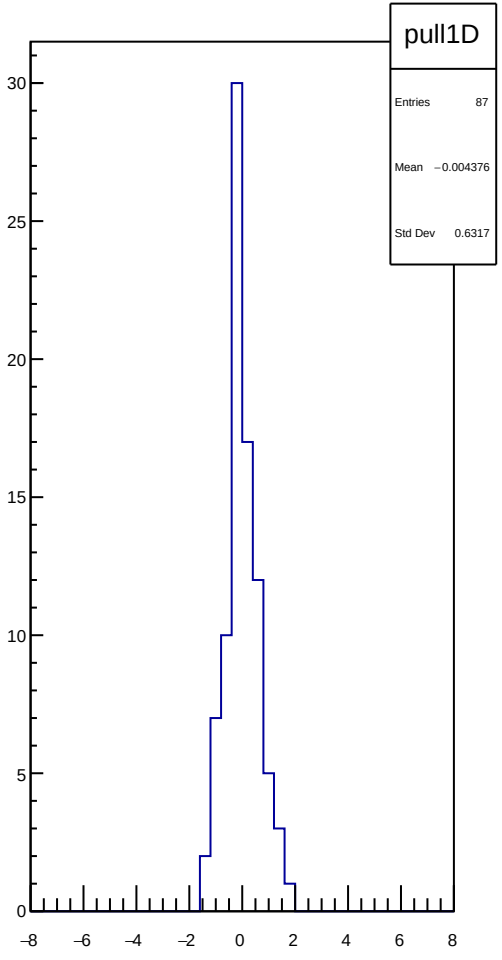

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 35.98 / 86
p0 −36.99 ± 1.022
pull
Entries 87
Mean 374.5
Std Dev 341

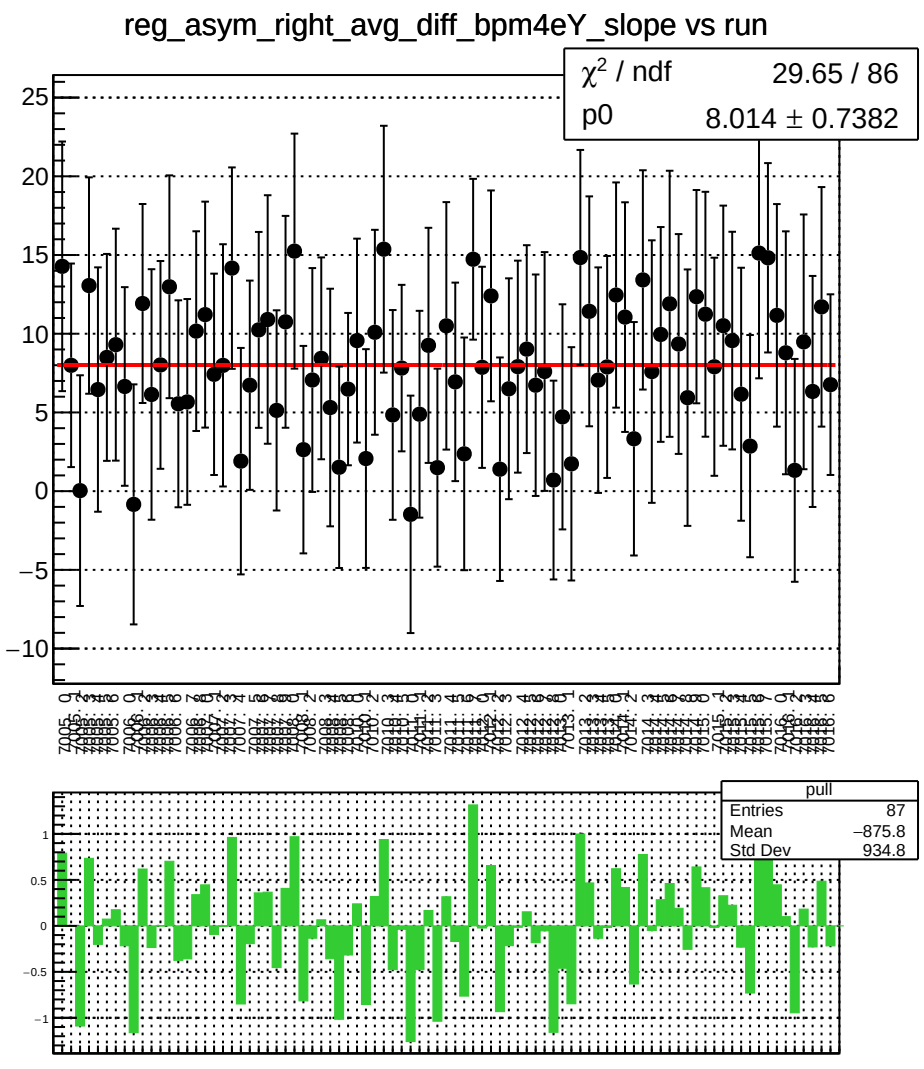

pull1D
Entries 87
Mean 0.00525
Std Dev 0.643

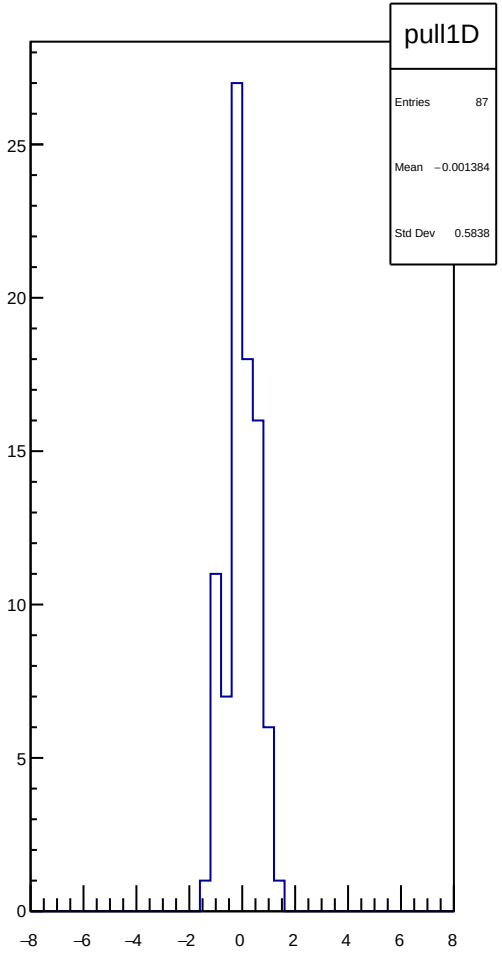

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.8 / 86
p0 0.09185 ± 0.7024
pull
Entries 87
Mean −2.35e+04
Std Dev 2.355e+04

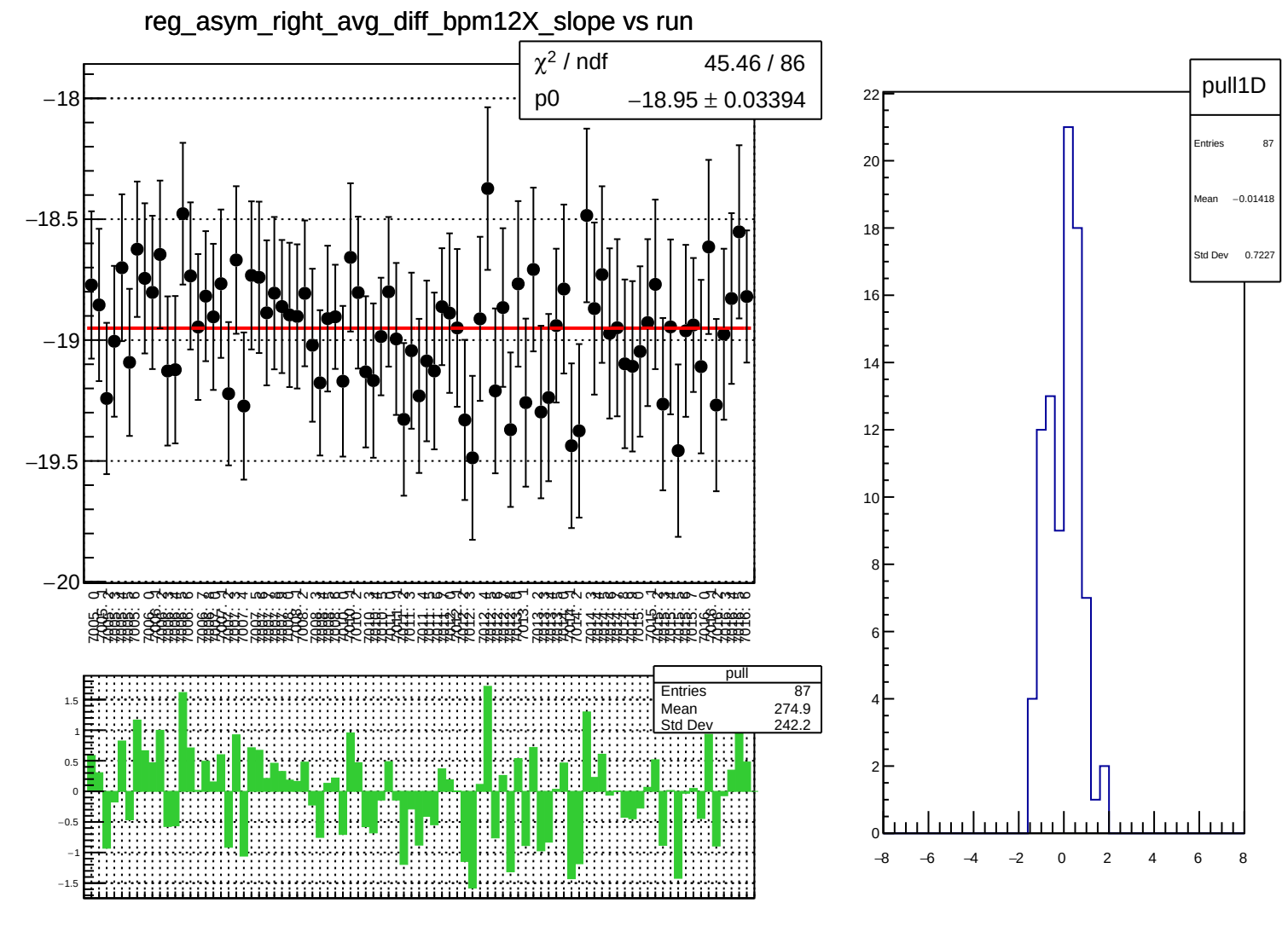

pull1D
Entries 87
Mean 4.161e−05
Std Dev 0.5754

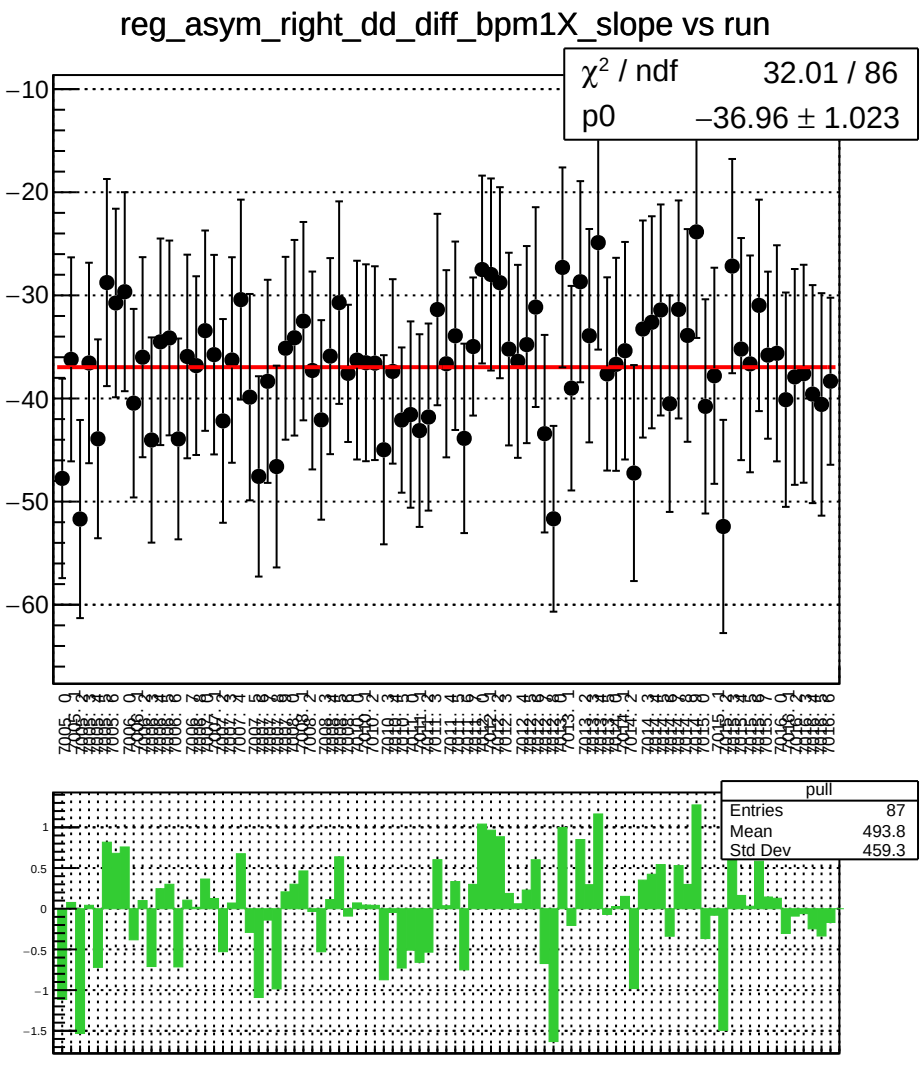

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.71 / 86
p0 64.32 ± 0.9483
pull
Entries 87
Mean 443.6
Std Dev 410.8

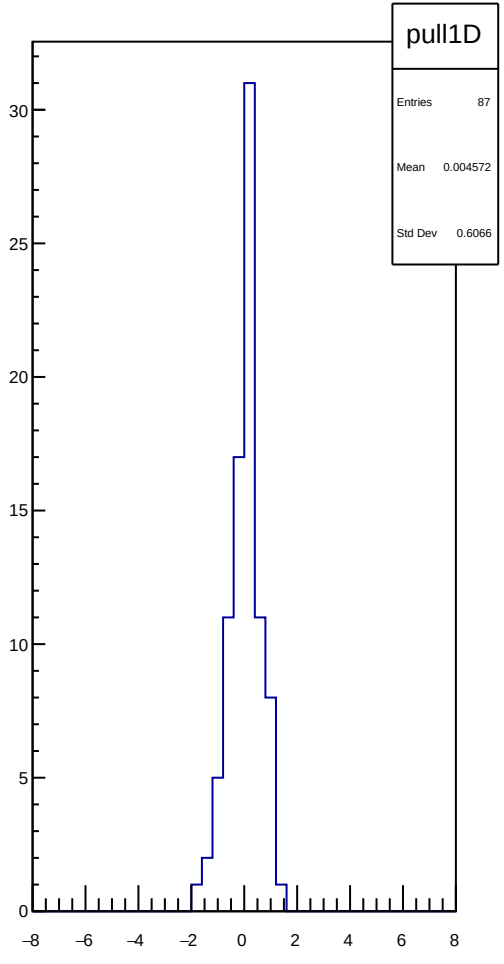

pull1D
Entries 87
Mean −0.004376
Std Dev 0.6317

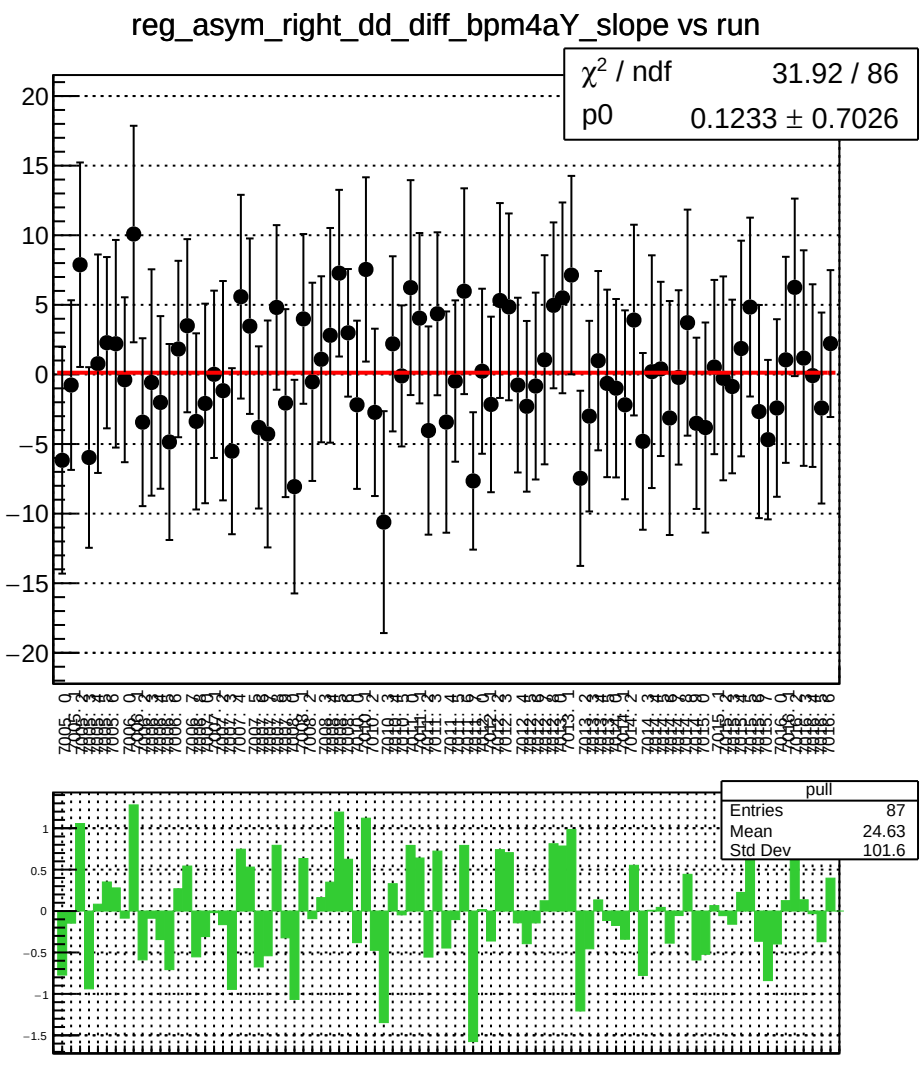

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.65 / 86
p0 8.014 ± 0.7382
pull
Entries 87
Mean −875.8
Std Dev 934.8

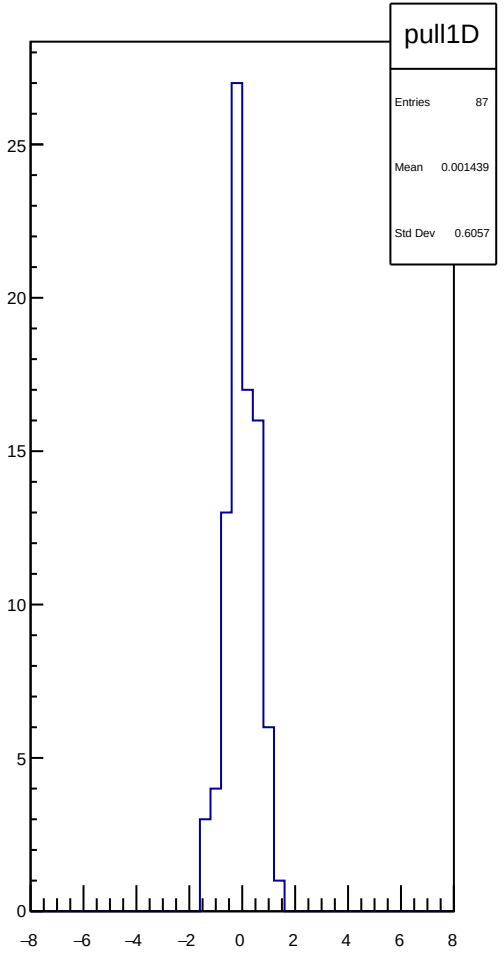

pull1D
Entries 87
Mean −0.001384
Std Dev 0.5838

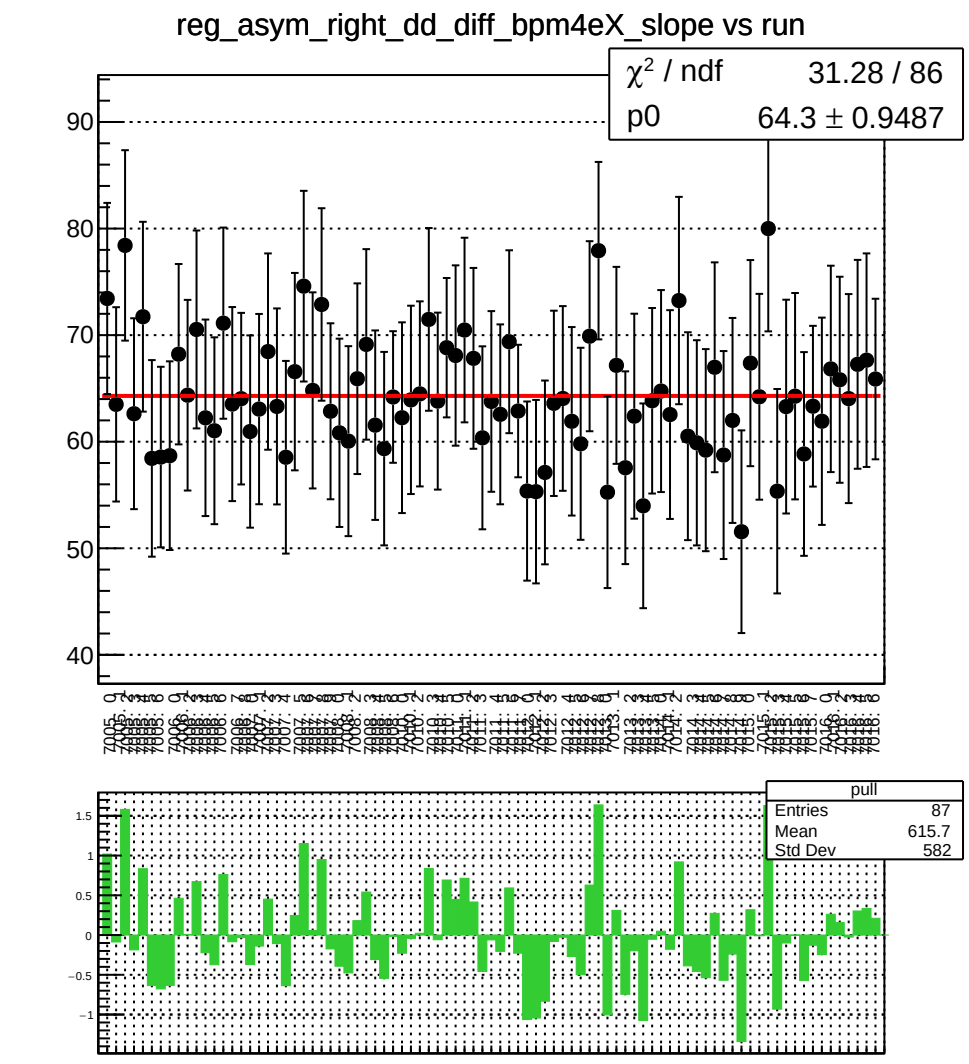

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 45.46 / 86
p0 −18.95 ± 0.03394
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 274.9
Std Dev 242.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.01418
Std Dev 0.7227
22
20
18
16
14
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10
8
6
4
2
0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

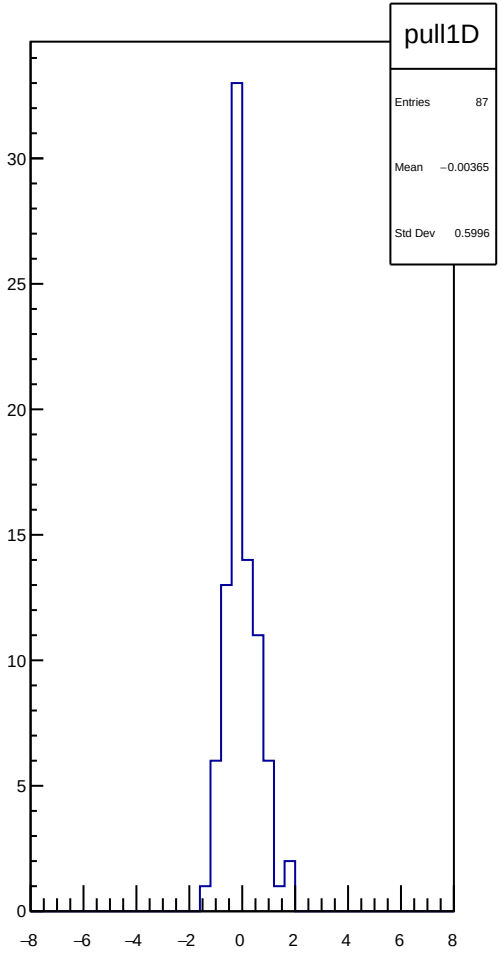

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 32.01 / 86
p0 −36.96 ± 1.023
pull
Entries 87
Mean 493.8
Std Dev 459.3

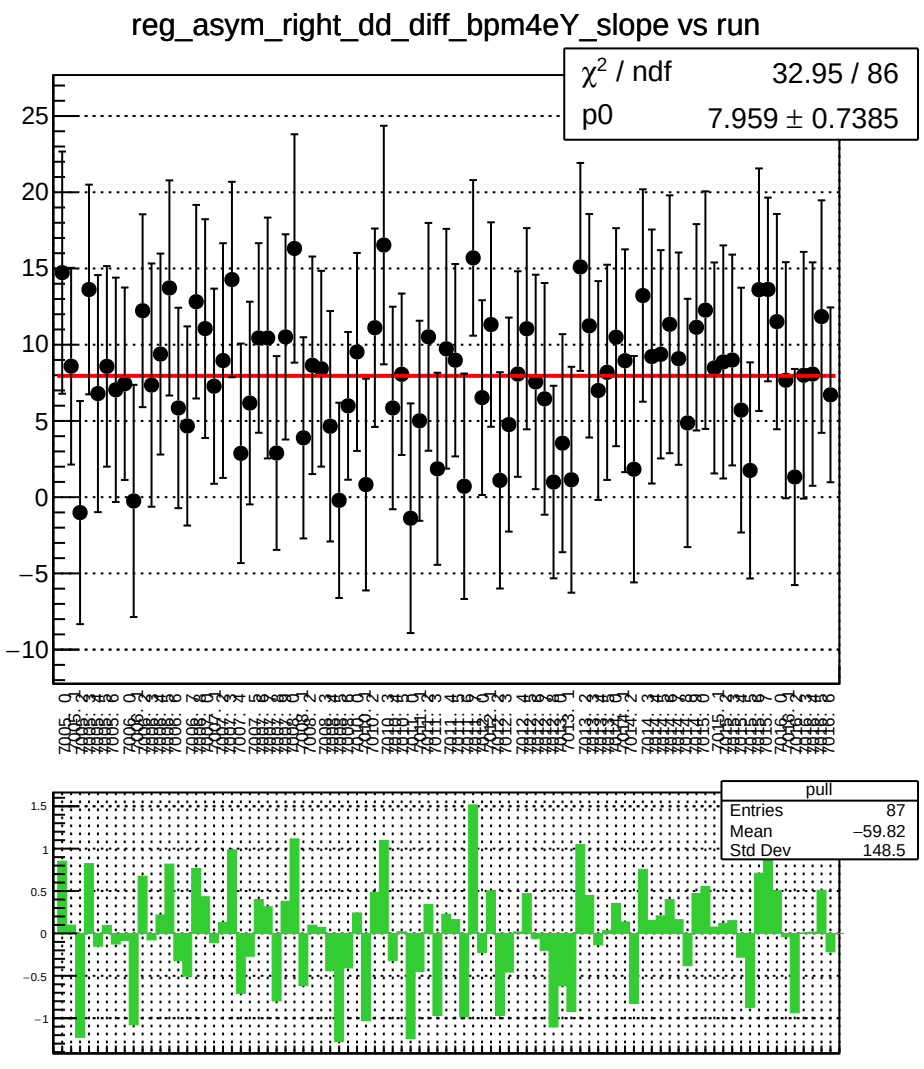

pull1D
Entries 87
Mean 0.004572
Std Dev 0.6066

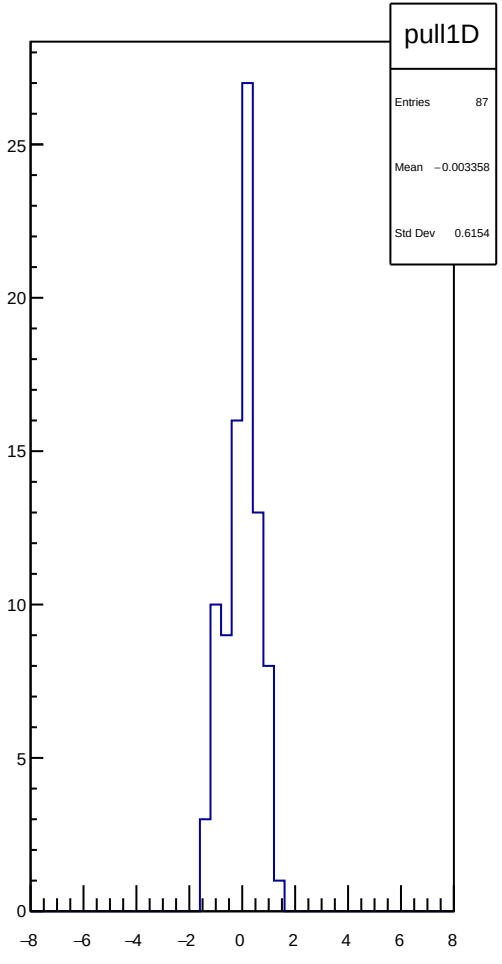

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.92 / 86
p0 0.1233 ± 0.7026
pull
Entries 87
Mean 24.63
Std Dev 101.6

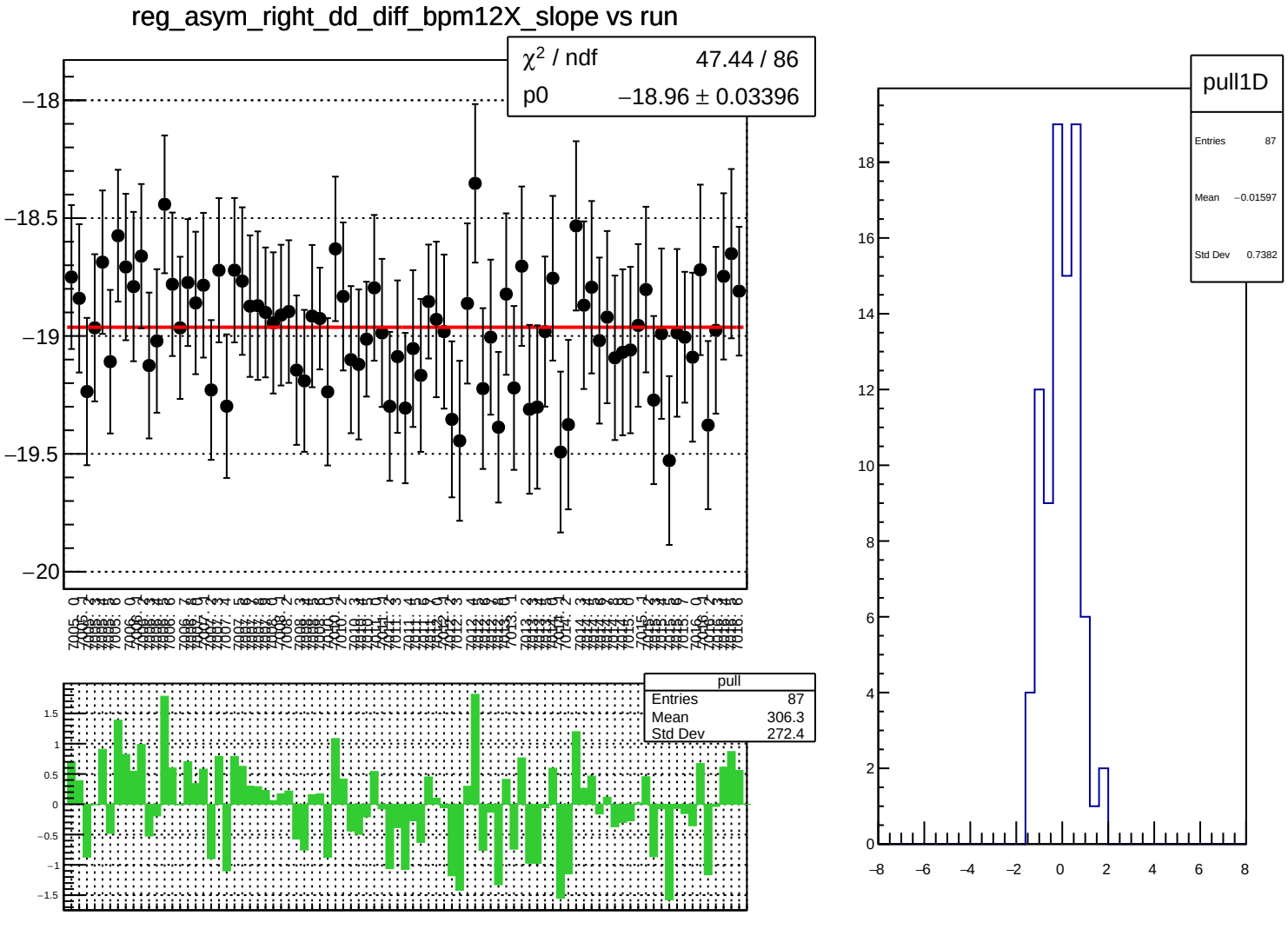

pull1D
Entries 87
Mean 0.001439
Std Dev 0.6057

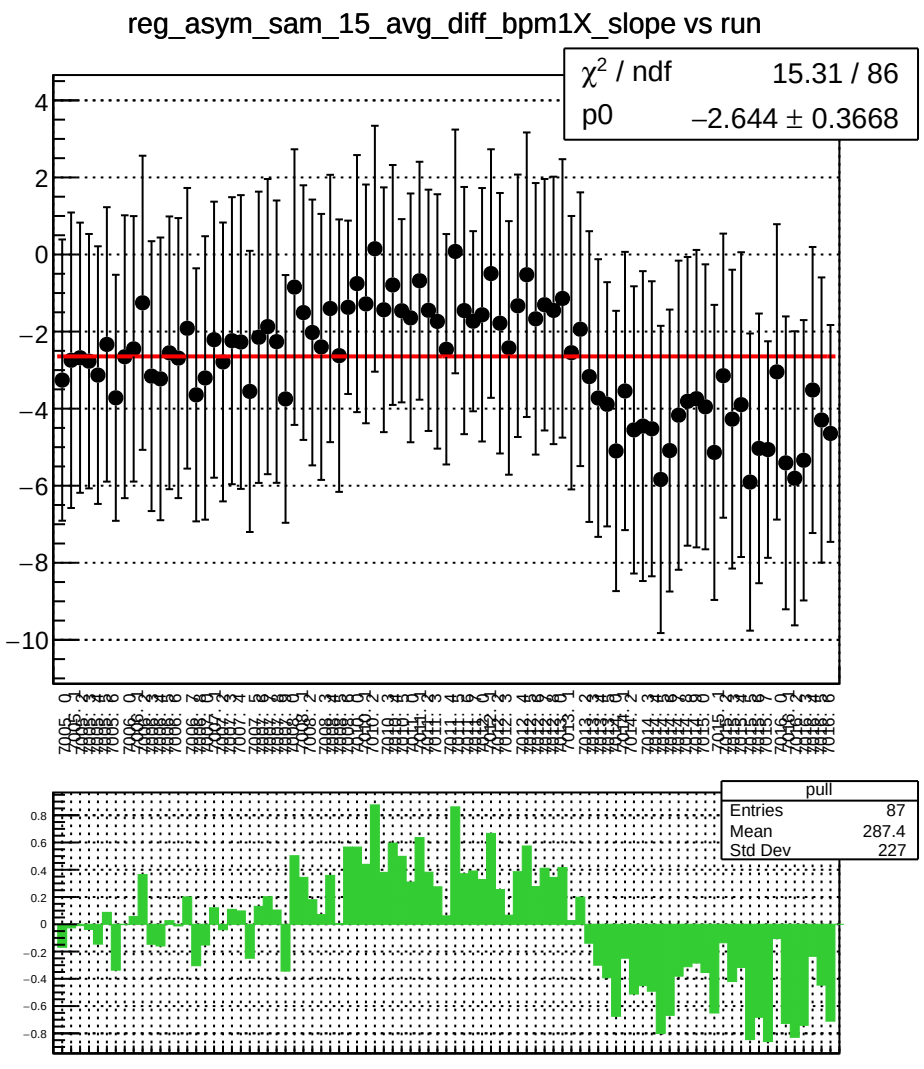

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.28 / 86
p0 64.3 ± 0.9487
pull
Entries 87
Mean 615.7
Std Dev 582

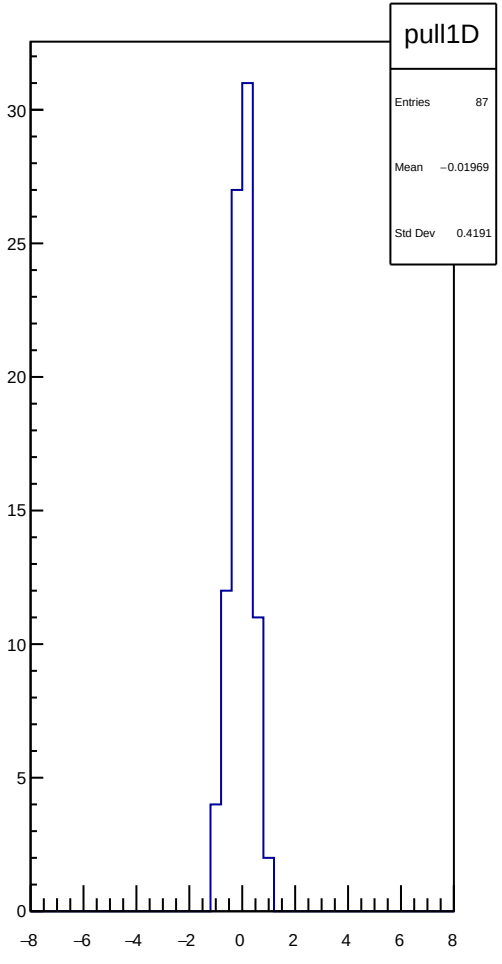

pull1D
Entries 87
Mean −0.00365
Std Dev 0.5996

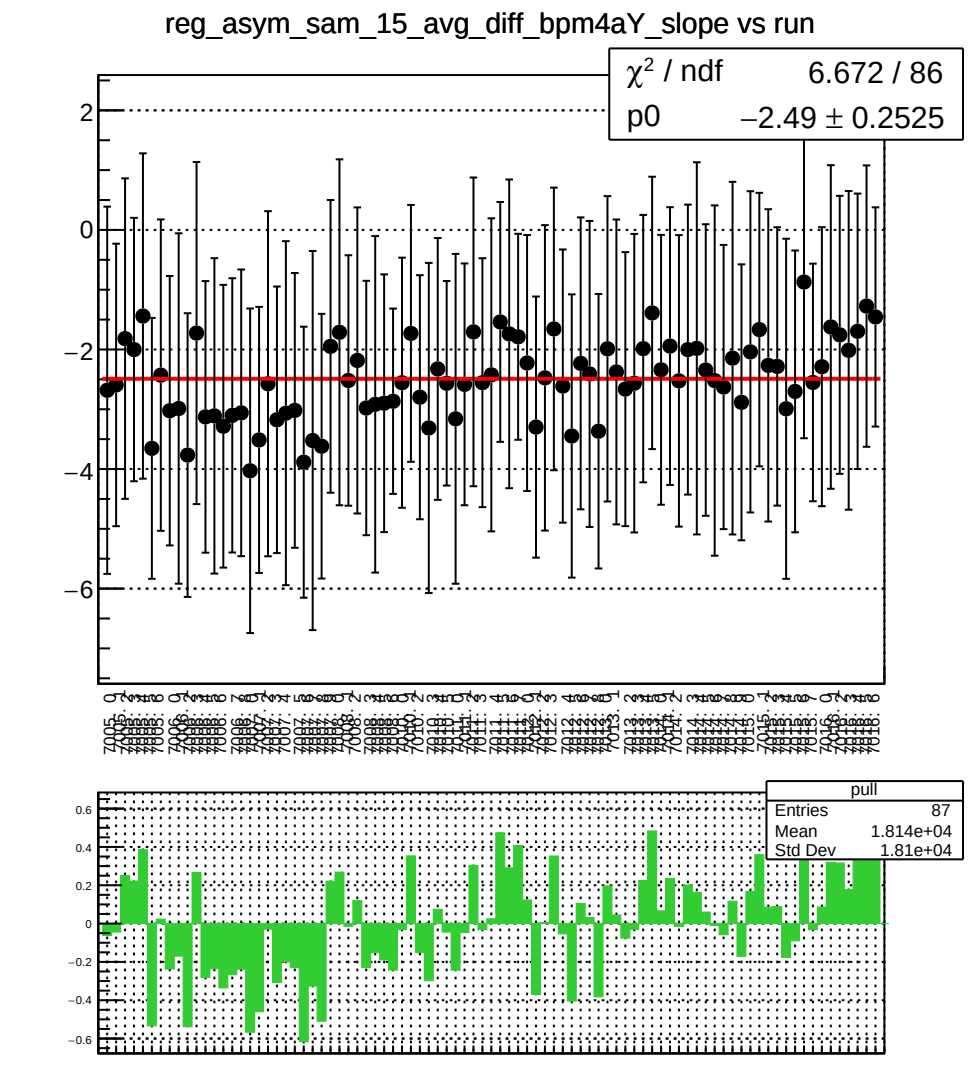

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.95 / 86
p0 7.959 ± 0.7385
pull
Entries 87
Mean −59.82
Std Dev 148.5

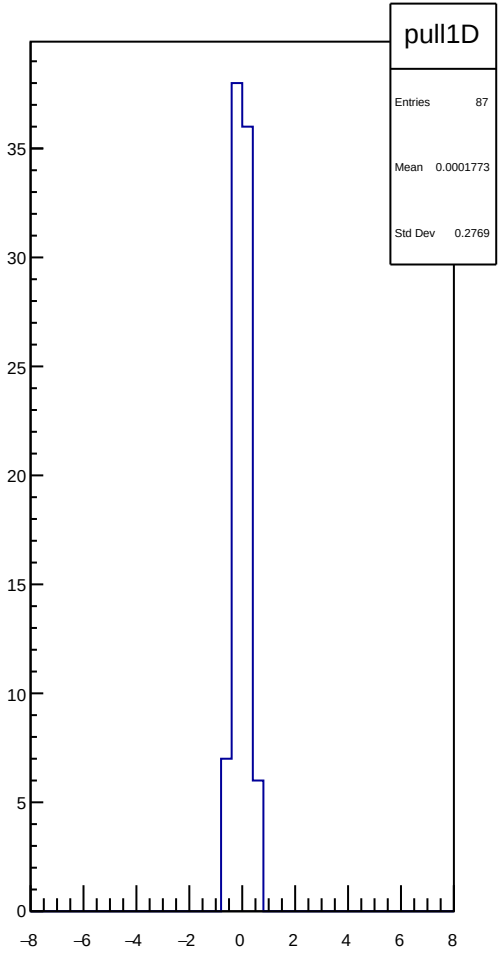

pull1D
Entries 87
Mean −0.003358
Std Dev 0.6154

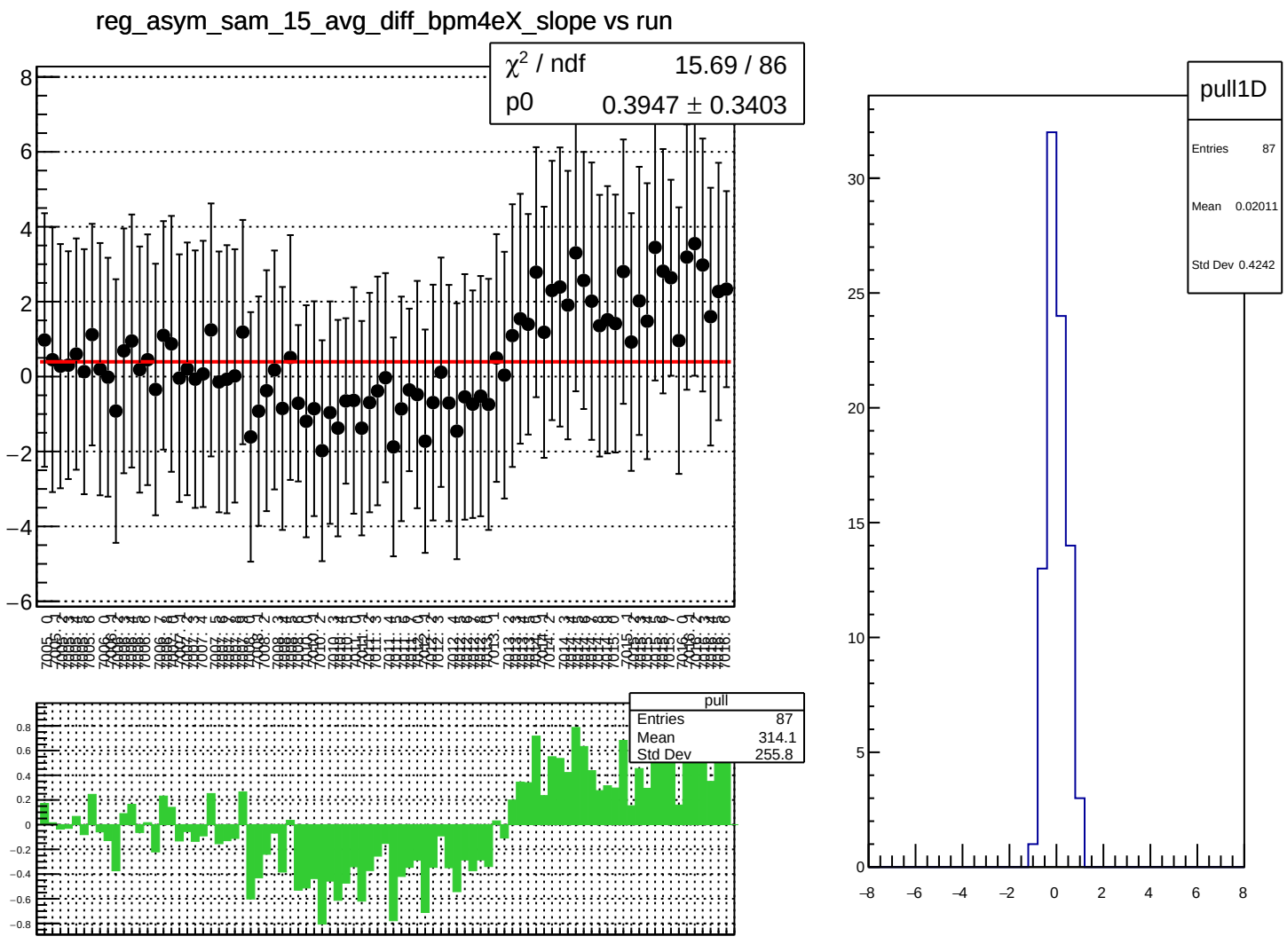

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 47.44 / 86
p0 −18.96 ± 0.03396
−18
−18.5
−19
−19.5
−20
pull
Entries 87
Mean 306.3
Std Dev 272.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.01597
Std Dev 0.7382
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

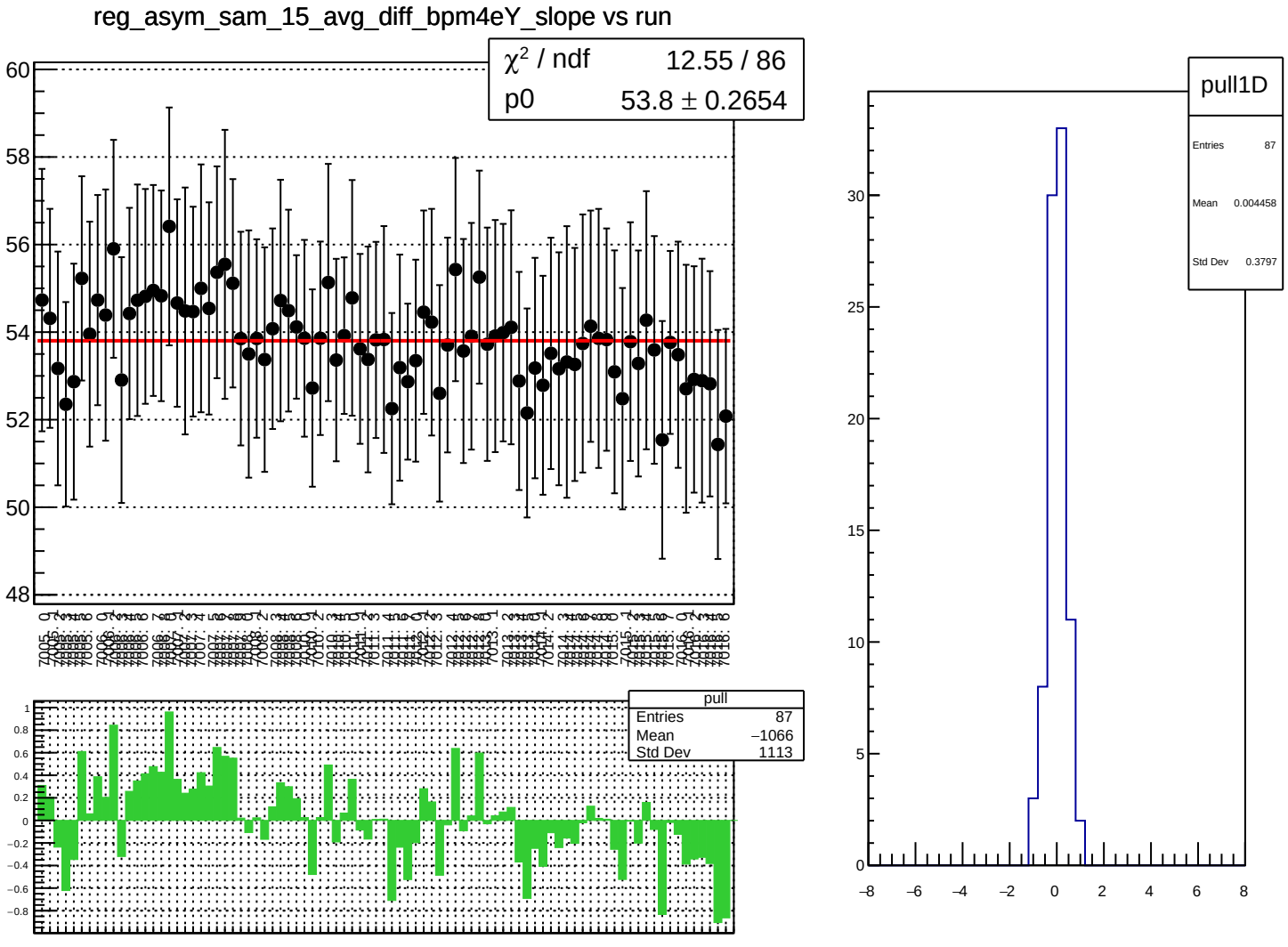

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 15.31 / 86
p0 −2.644 ± 0.3668
pull
Entries 87
Mean 287.4
Std Dev 227

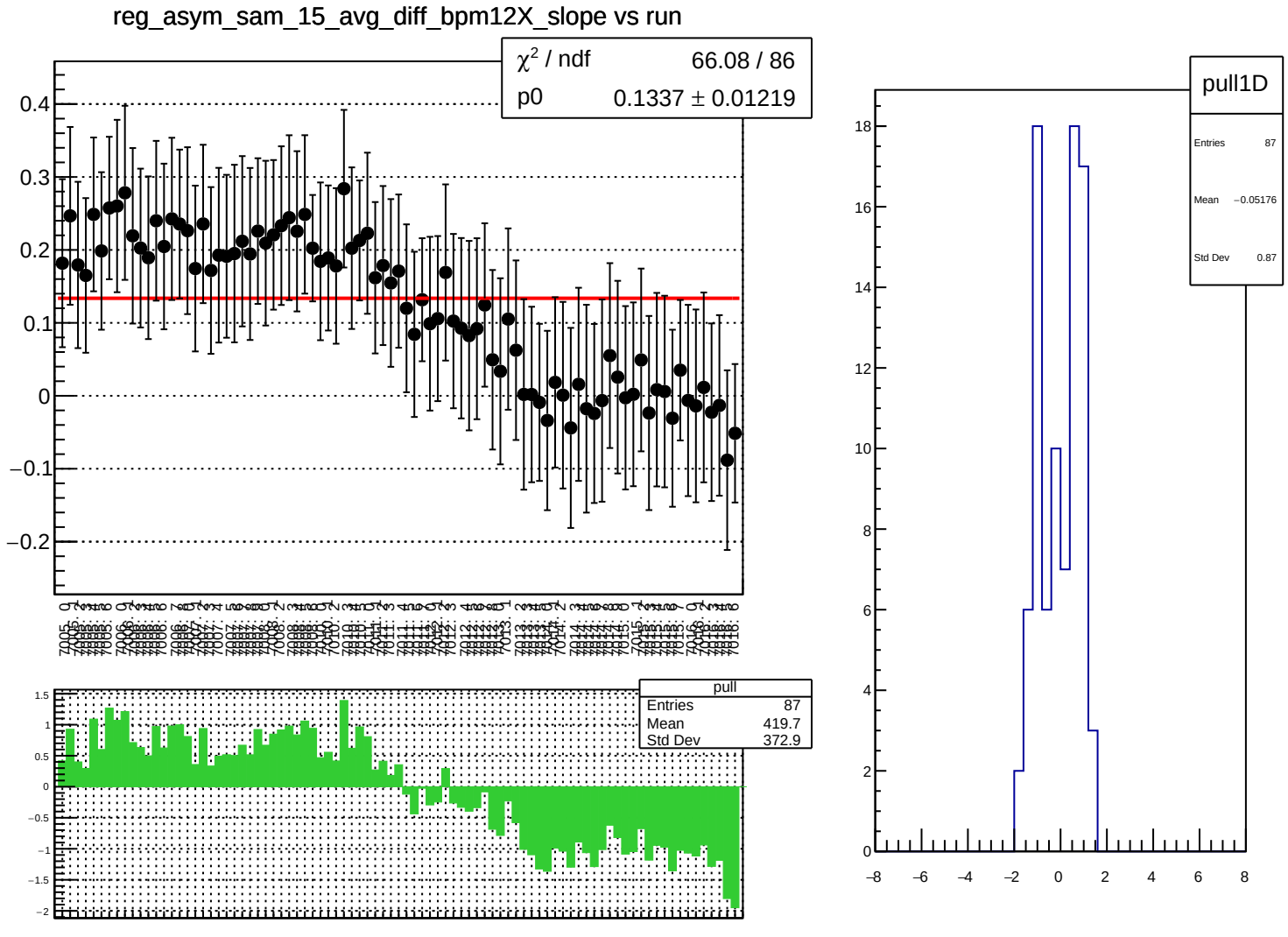

pull1D
Entries 87
Mean −0.01969
Std Dev 0.4191

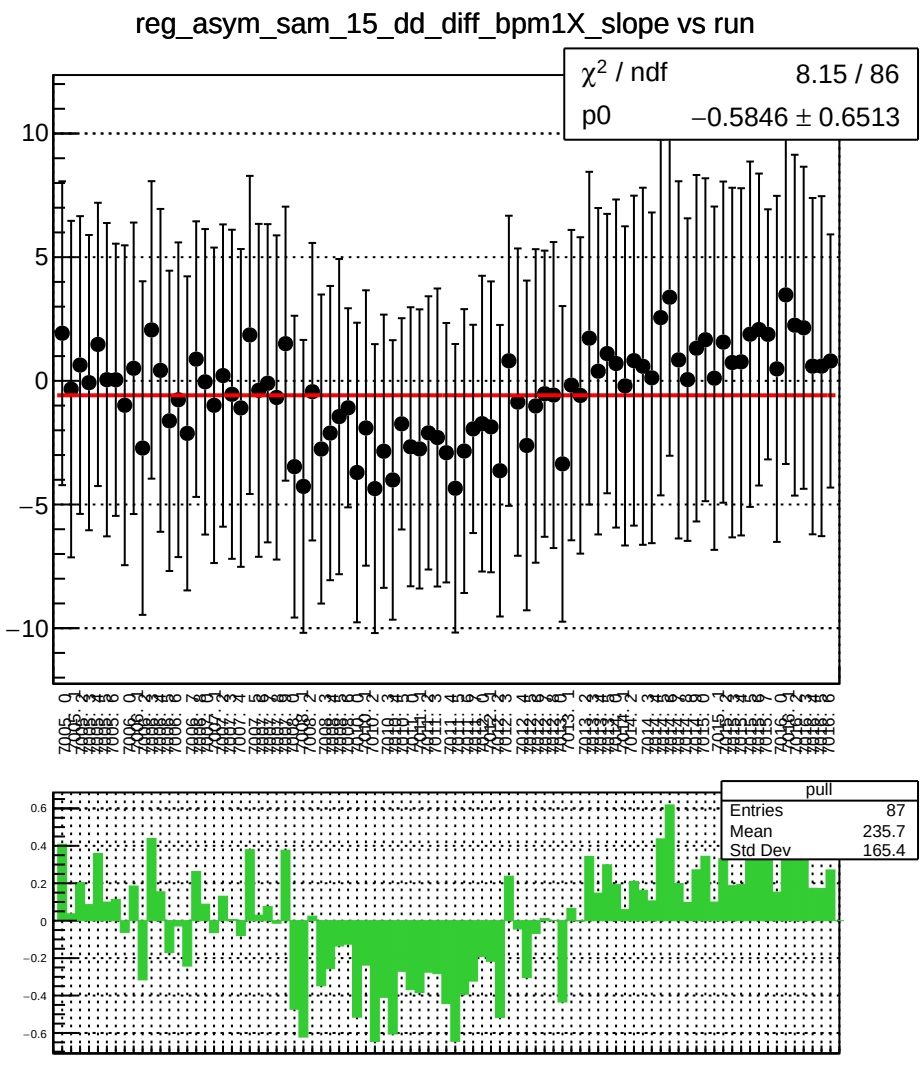

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.672 / 86
p0 −2.49 ± 0.2525
pull
Entries 87
Mean 1.814e+04
Std Dev 1.81e+04

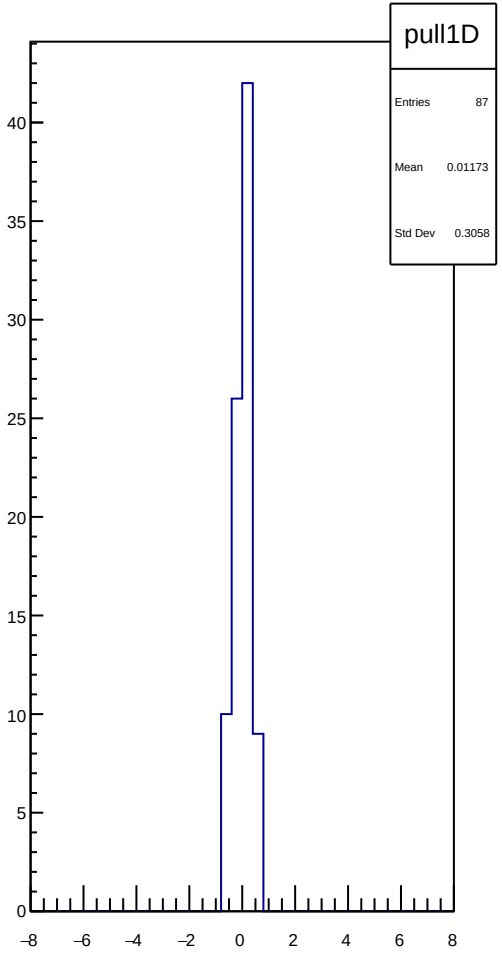

pull1D
Entries 87
Mean 0.0001773
Std Dev 0.2769

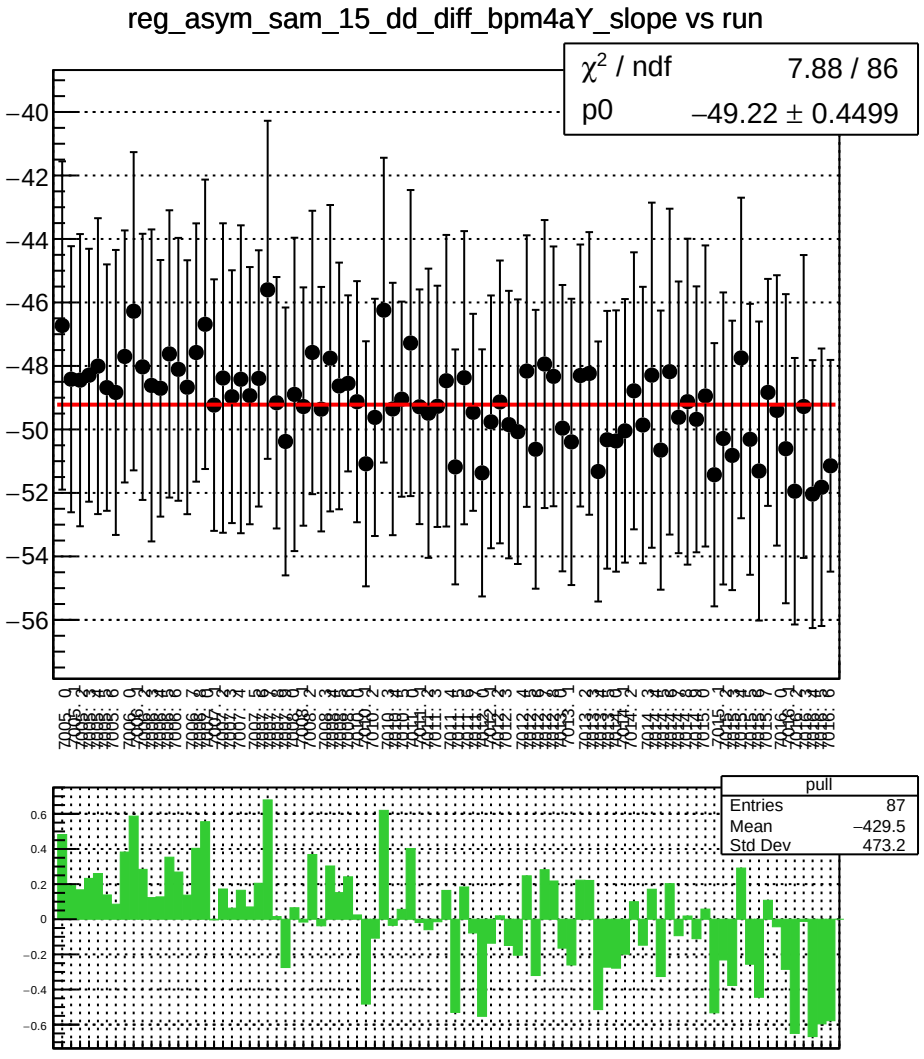

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.69 / 86
p0 0.3947 ± 0.3403
pull
Entries 87
Mean 314.1
Std Dev 255.8
pull1D
Entries 87
Mean 0.02011
Std Dev 0.4242

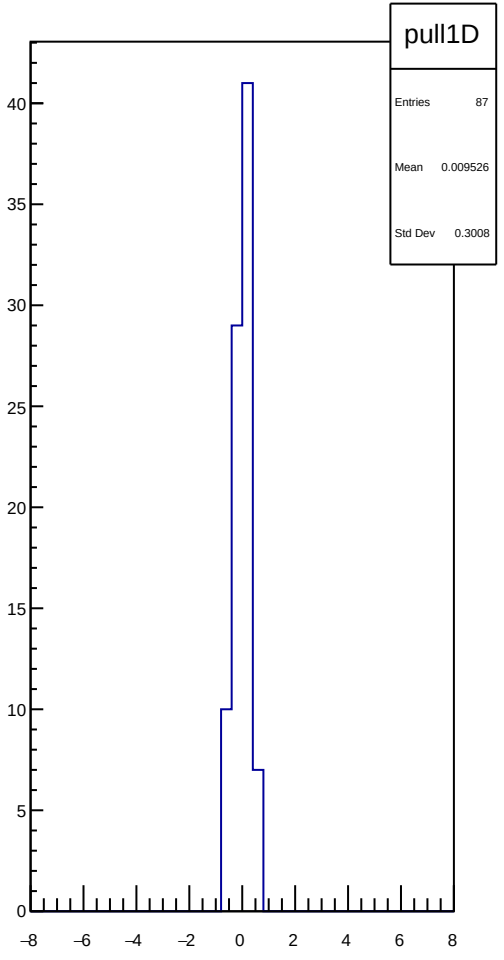

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.55 / 86
p0 53.8 ± 0.2654
pull
Entries 87
Mean −1066
Std Dev 1113
pull1D
Entries 87
Mean 0.004458
Std Dev 0.3797

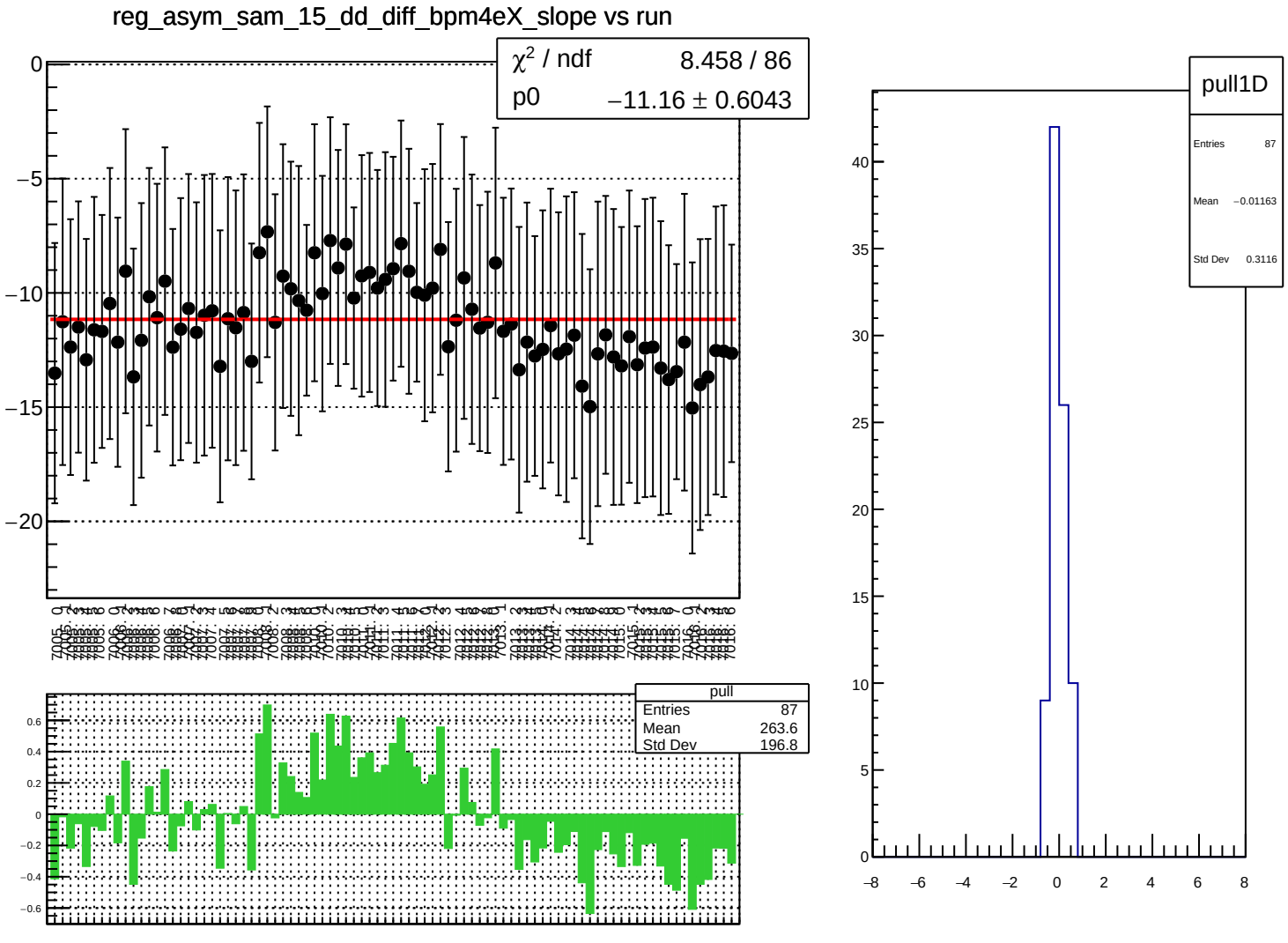

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 66.08 / 86
p0 0.1337 ± 0.01219
pull
Entries 87
Mean 419.7
Std Dev 372.9
pull1D
Entries 87
Mean −0.05176
Std Dev 0.87

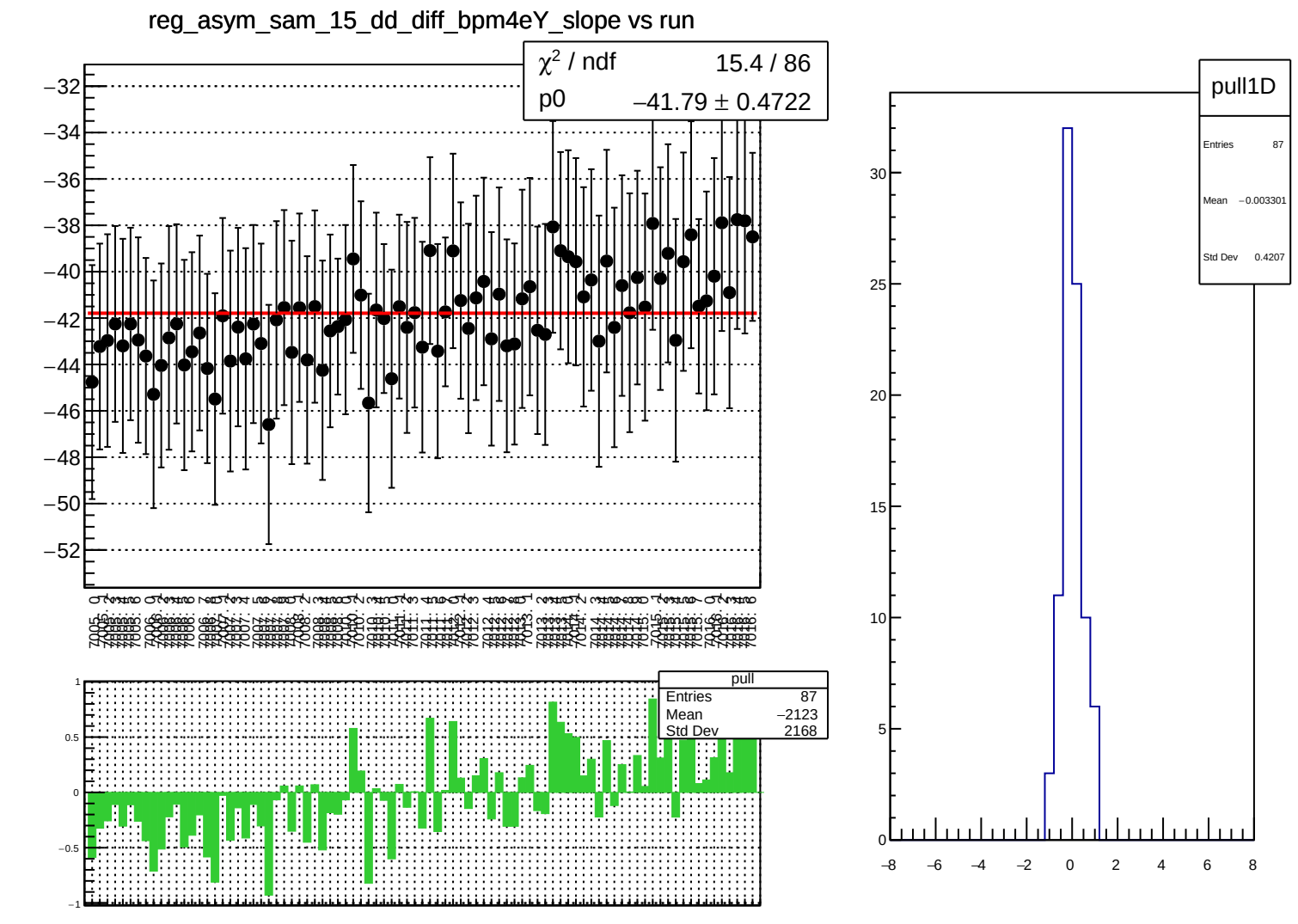

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.15 / 86
p0 −0.5846 ± 0.6513
pull
Entries 87
Mean 235.7
Std Dev 165.4

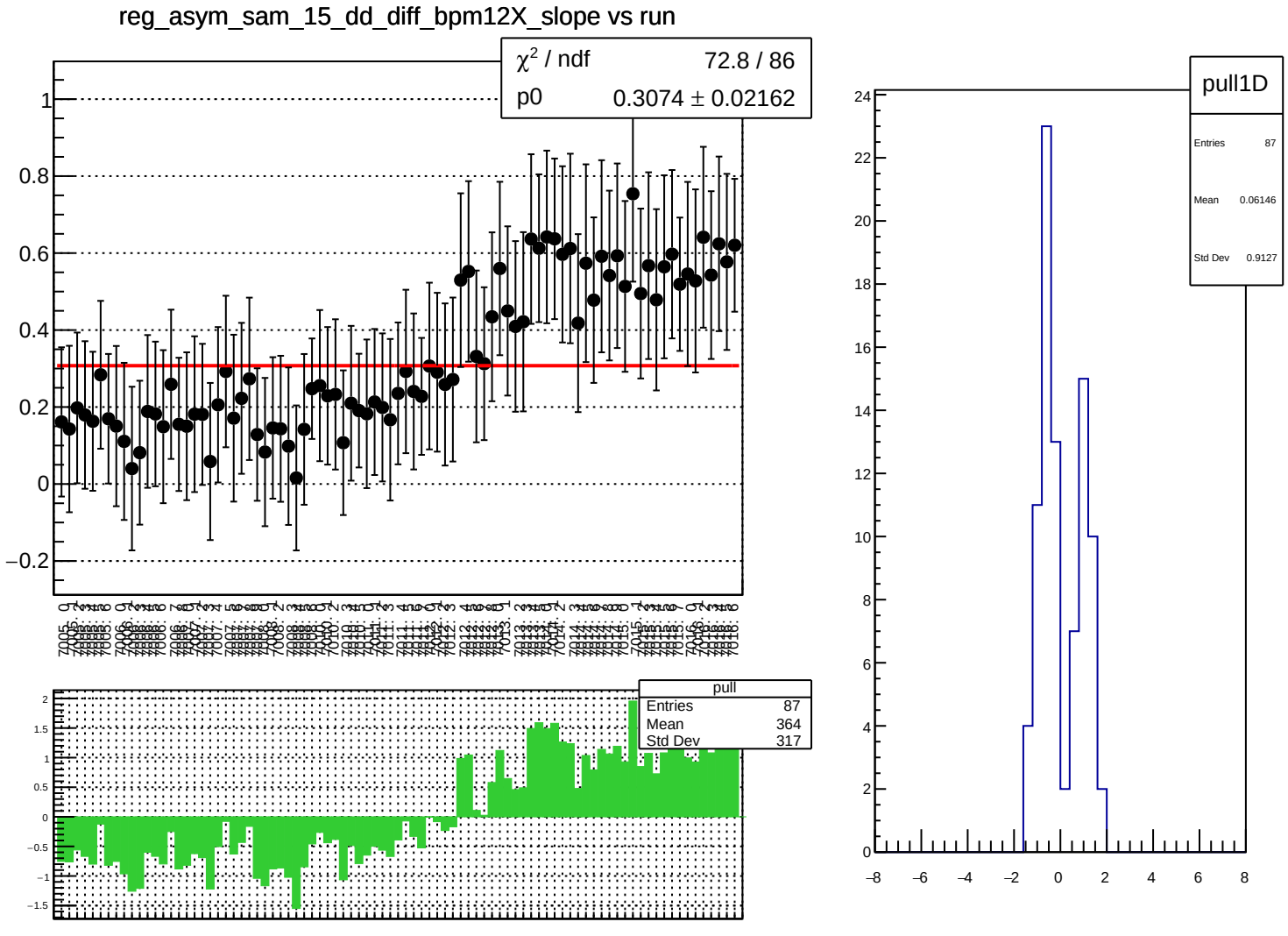

pull1D
Entries 87
Mean 0.01173
Std Dev 0.3058

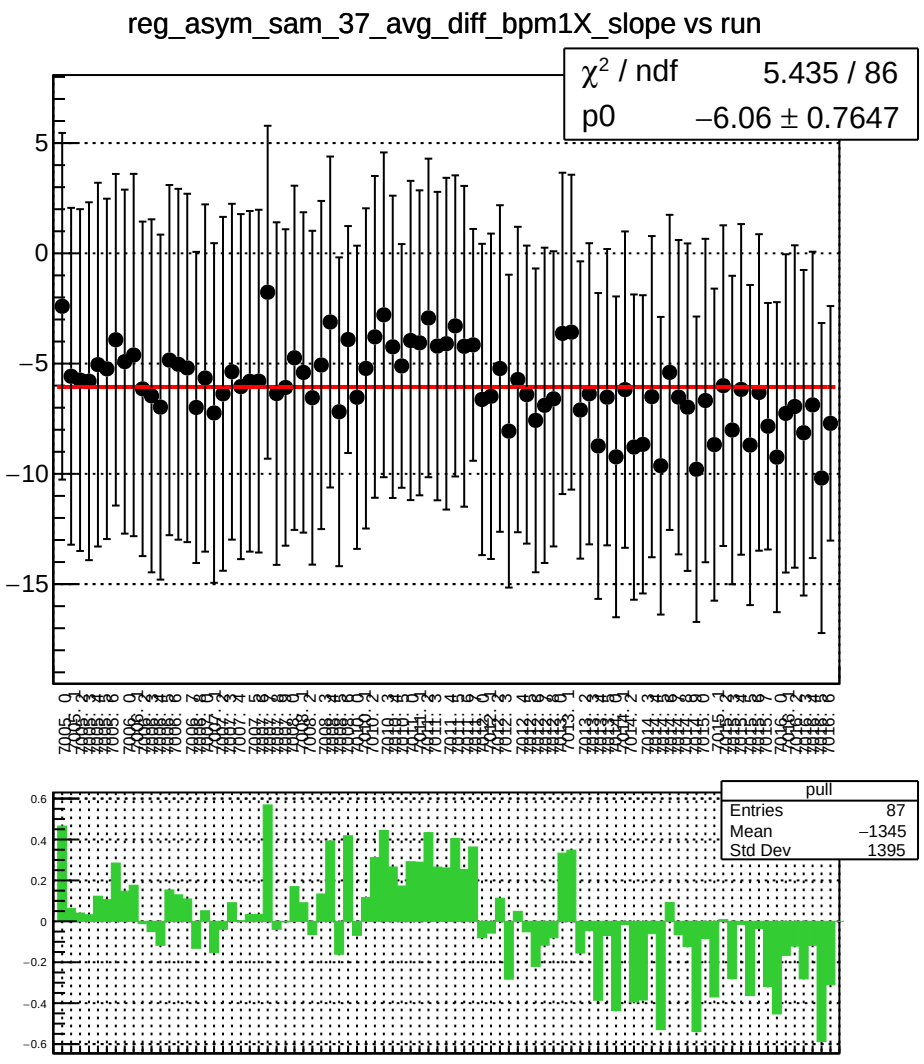

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.88 / 86
p0 −49.22 ± 0.4499
pull
Entries 87
Mean −429.5
Std Dev 473.2

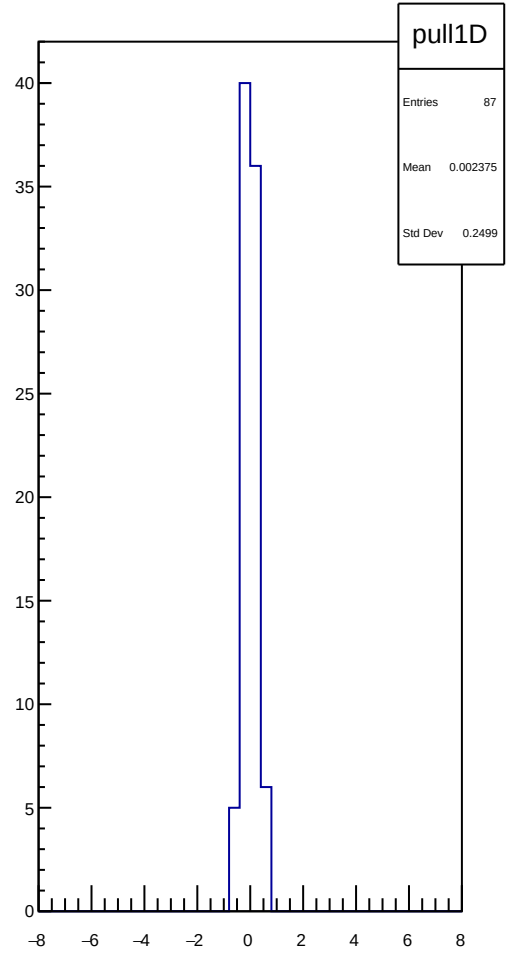

pull1D
Entries 87
Mean 0.009526
Std Dev 0.3008

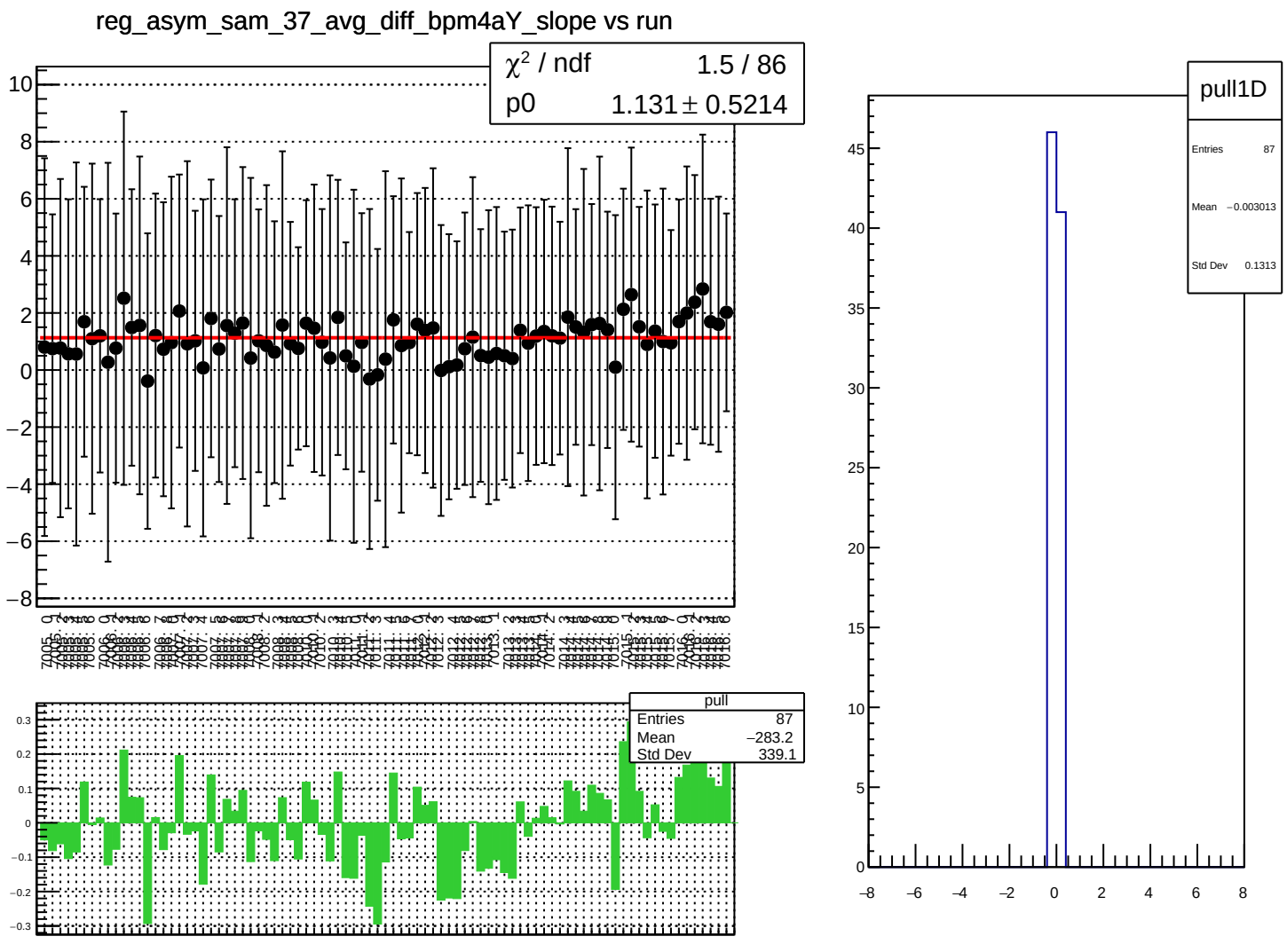

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.458 / 86
p0 −11.16 ± 0.6043
0
−5
−10
−15
−20
pull
Entries 87
Mean 263.6
Std Dev 196.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.01163
Std Dev 0.3116
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

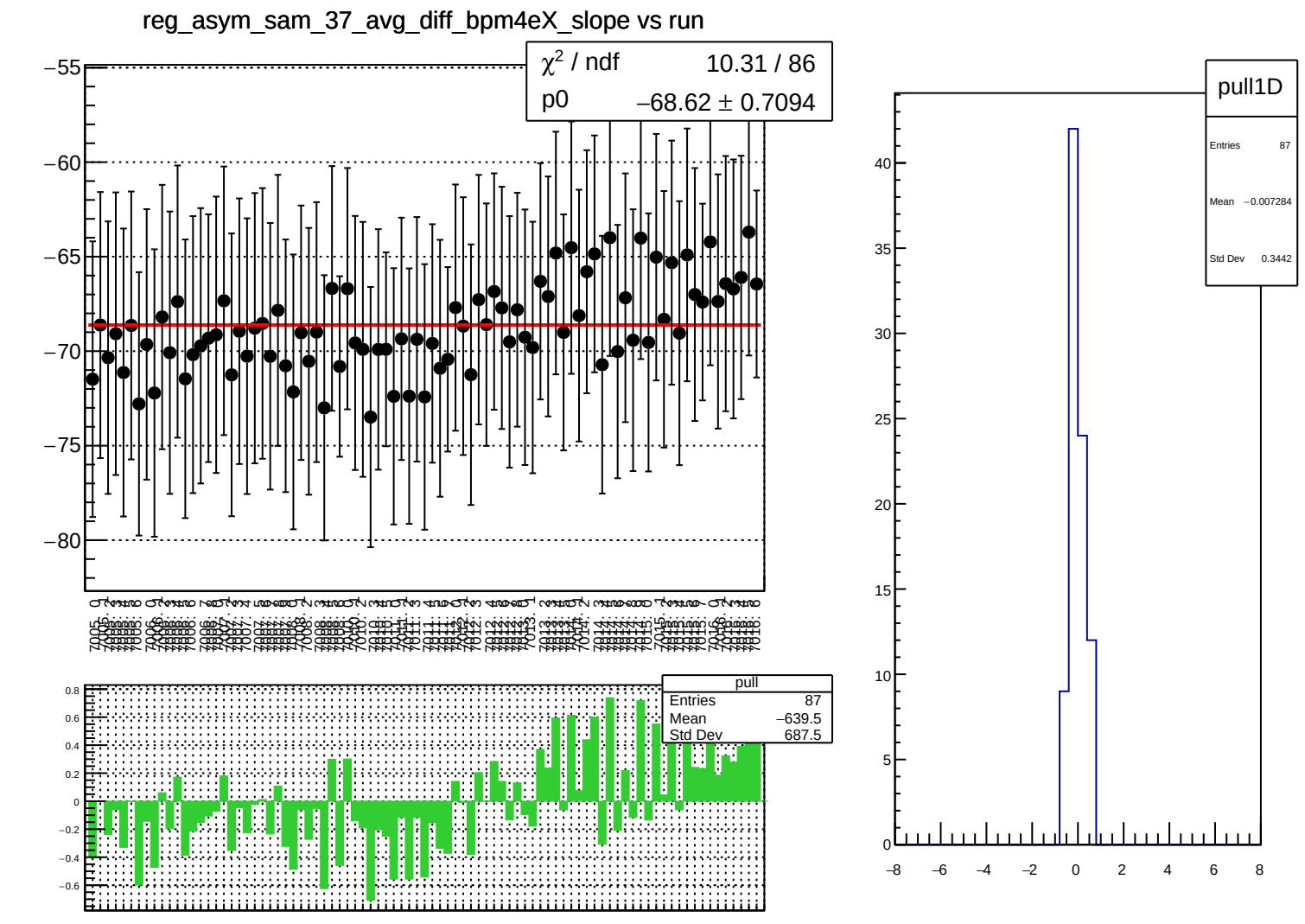

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 86
p0 −41.79 ± 0.4722
pull
Entries 87
Mean −2123
Std Dev 2168
pull1D
Entries 87
Mean −0.003301
Std Dev 0.4207

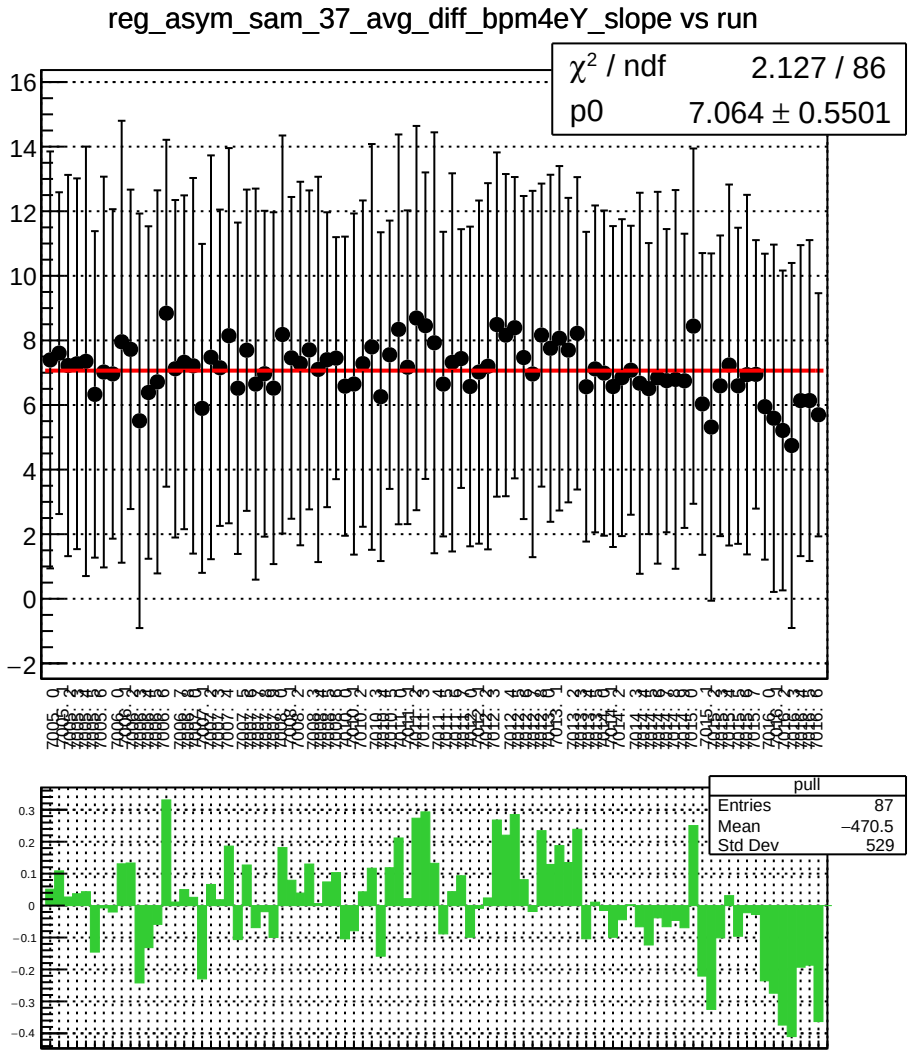

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 72.8 / 86
p0 0.3074 ± 0.02162
pull
Entries 87
Mean 364
Std Dev 317
pull1D
Entries 87
Mean 0.06146
Std Dev 0.9127

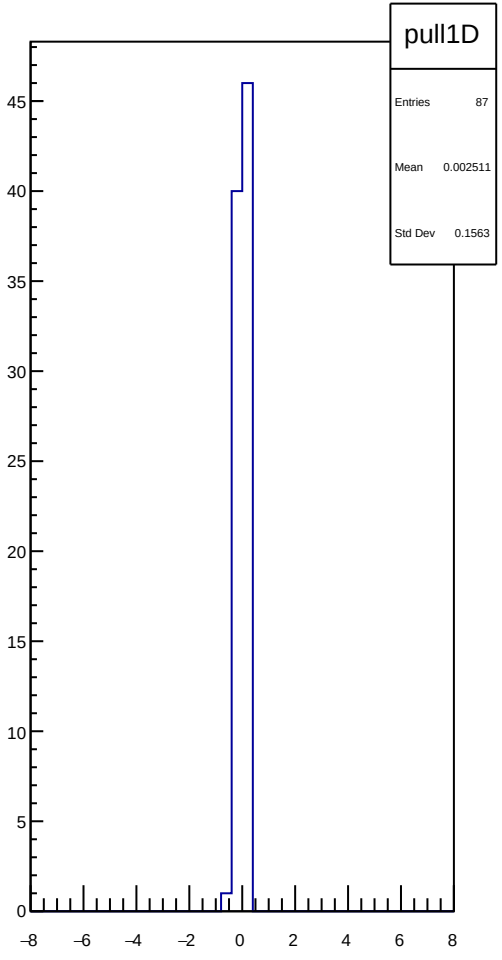

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 5.435 / 86
p0 −6.06 ± 0.7647
pull
Entries 87
Mean −1345
Std Dev 1395

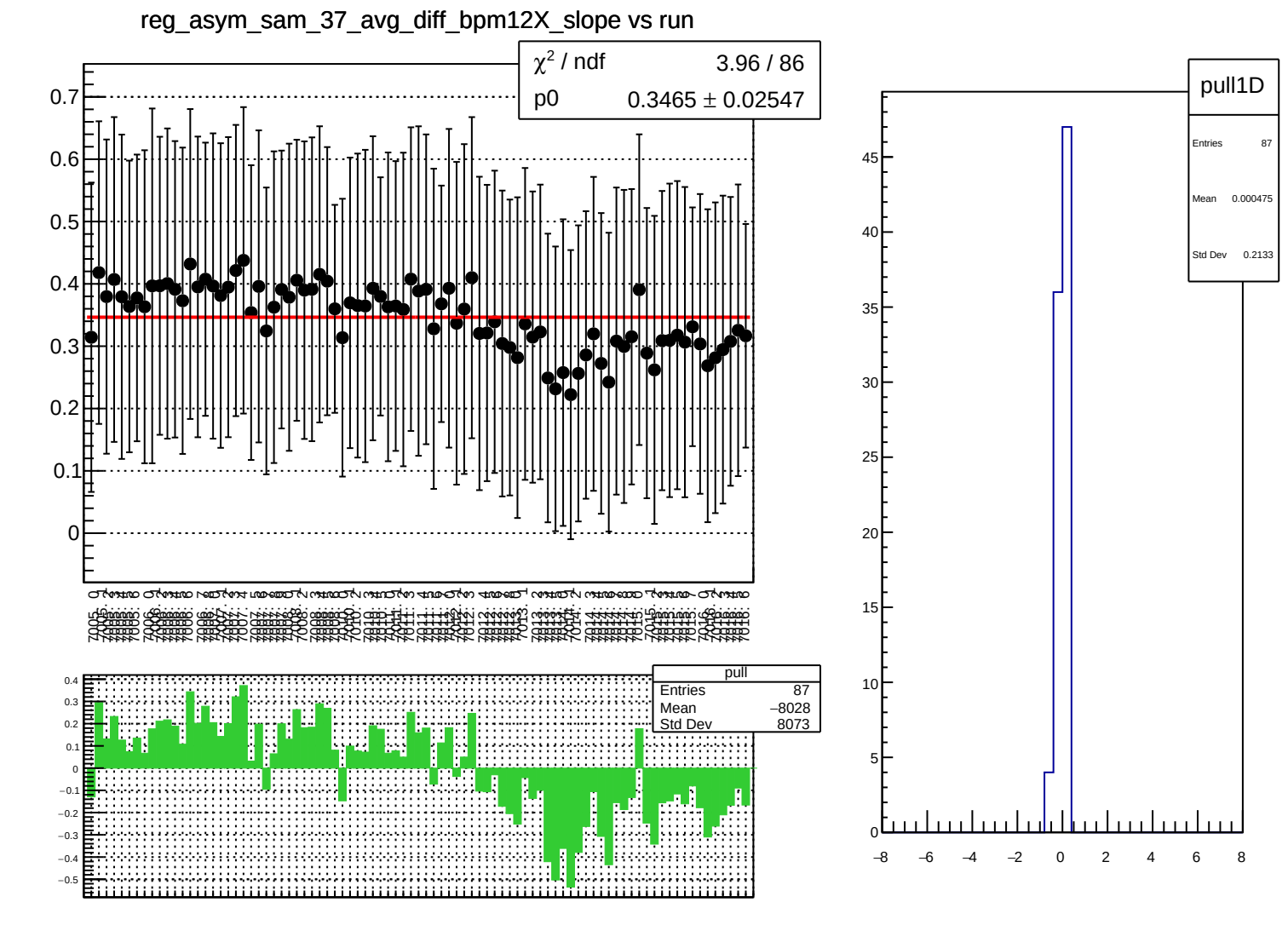

pull1D
Entries 87
Mean 0.002375
Std Dev 0.2499

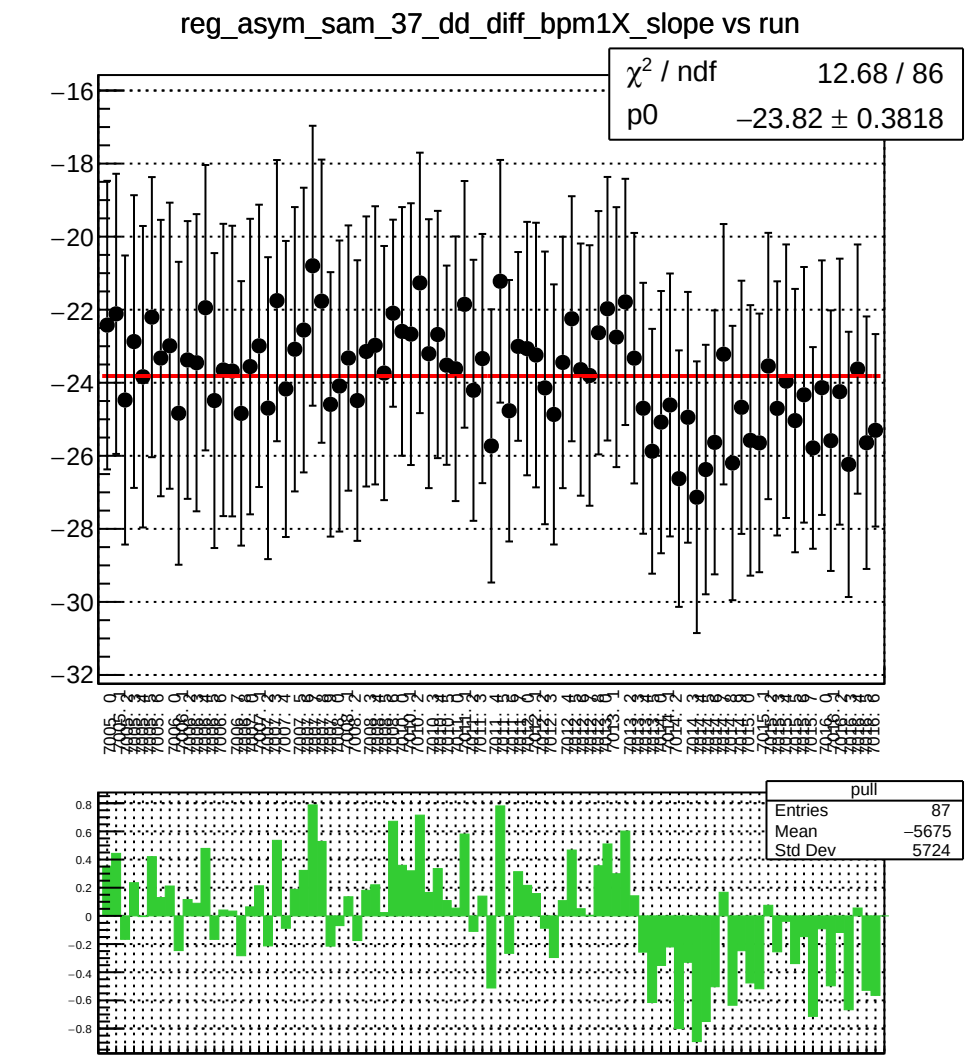

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.5 / 86
p0 1.131 ± 0.5214
pull
Entries 87
Mean −283.2
Std Dev 339.1
pull1D
Entries 87
Mean −0.003013
Std Dev 0.1313

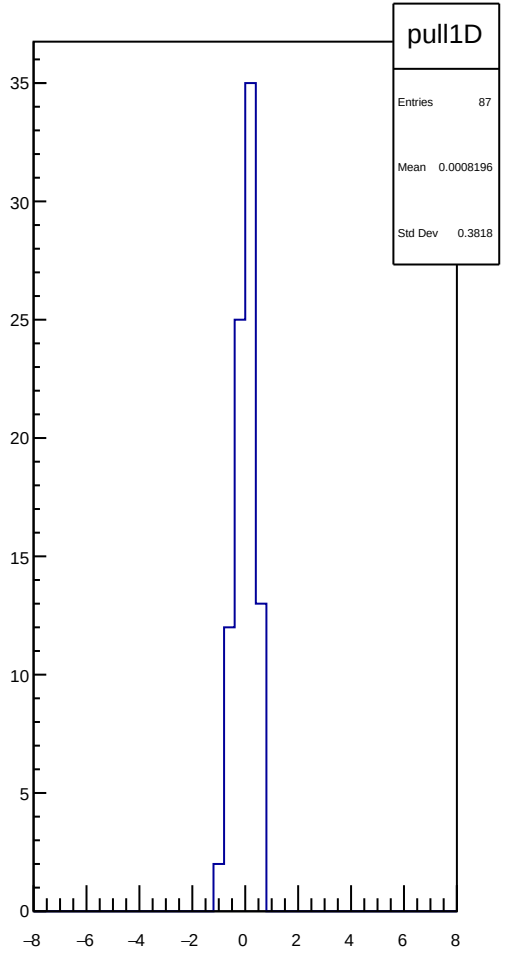

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.31 / 86
p0 −68.62 ± 0.7094
pull
Entries 87
Mean −639.5
Std Dev 687.5
pull1D
Entries 87
Mean −0.007284
Std Dev 0.3442

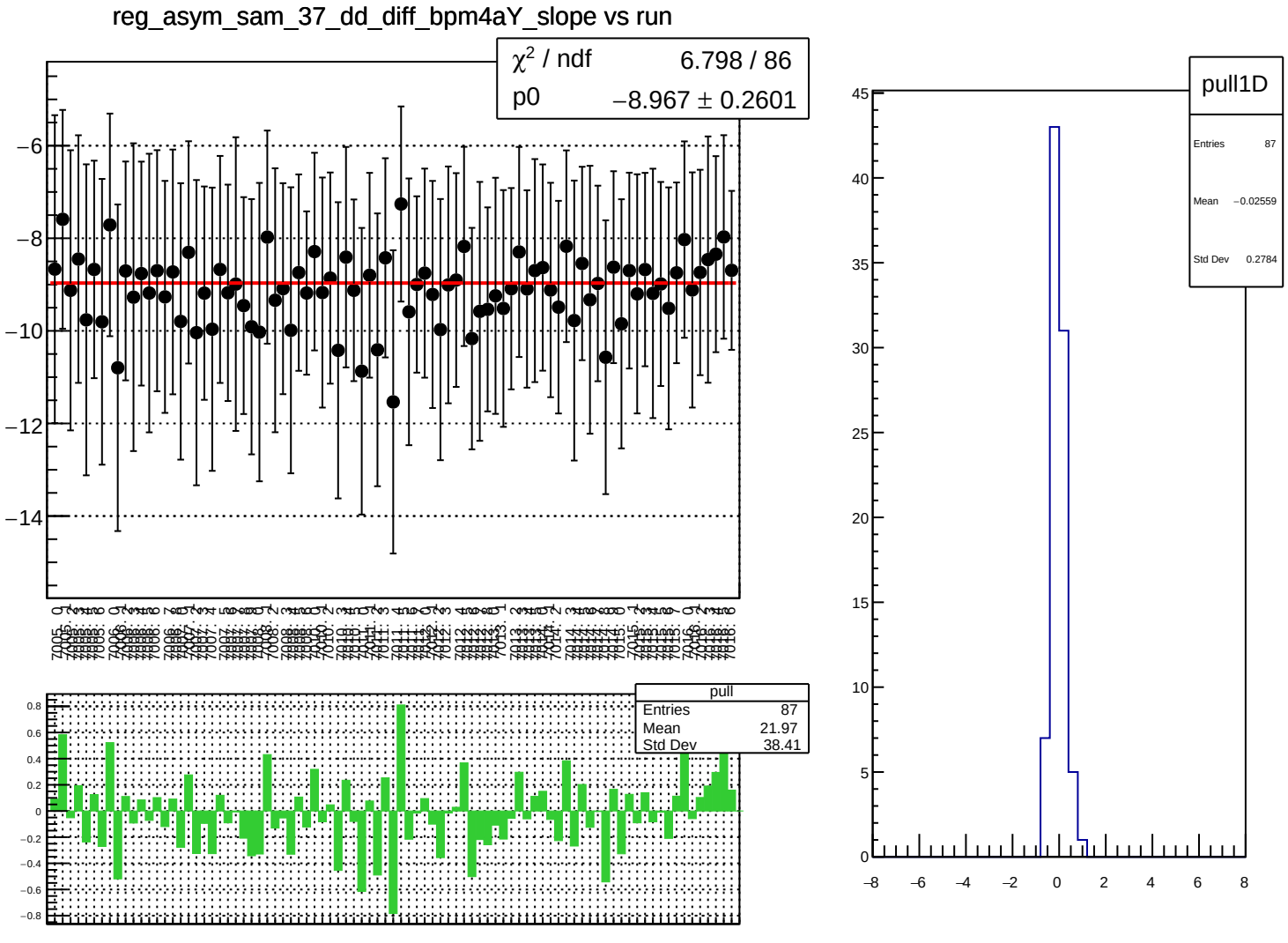

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.127 / 86
p0 7.064 ± 0.5501
pull
Entries 87
Mean −470.5
Std Dev 529

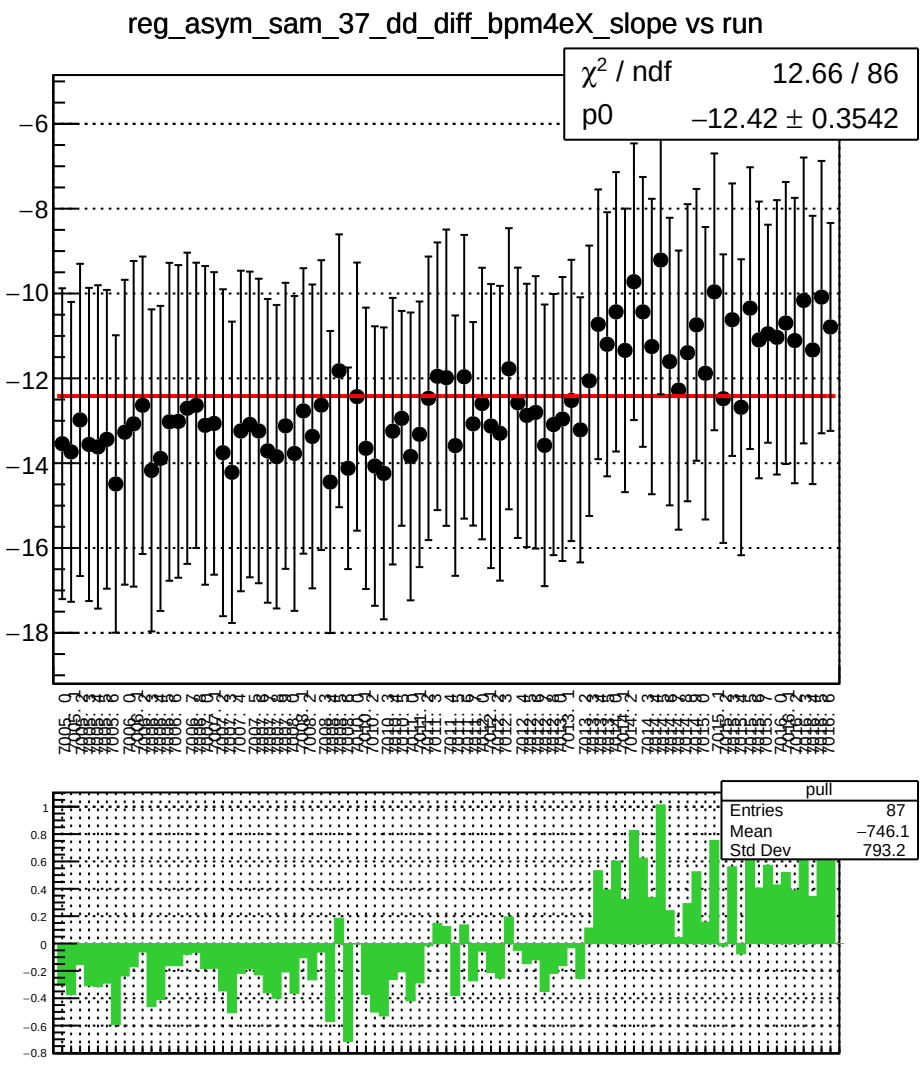

pull1D
Entries 87
Mean 0.002511
Std Dev 0.1563

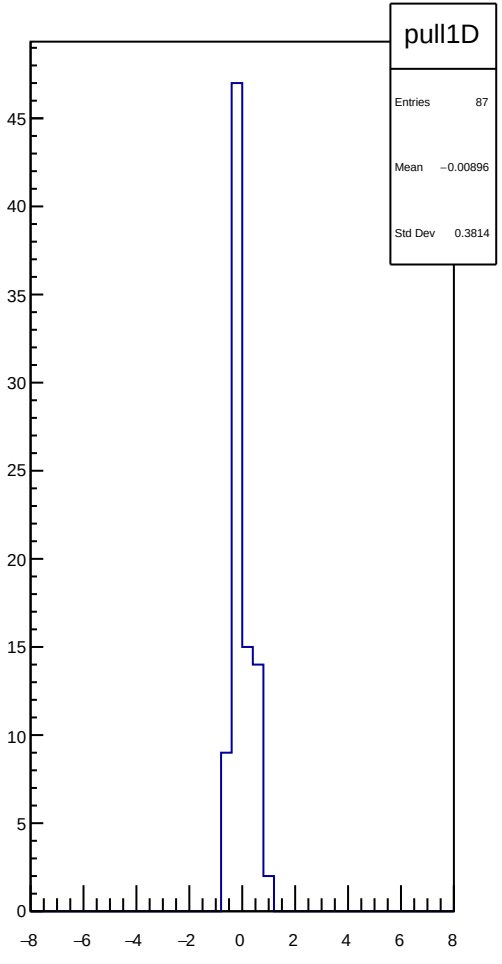

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.96 / 86
p0 0.3465 ± 0.02547
pull
Entries 87
Mean −8028
Std Dev 8073
pull1D
Entries 87
Mean 0.000475
Std Dev 0.2133

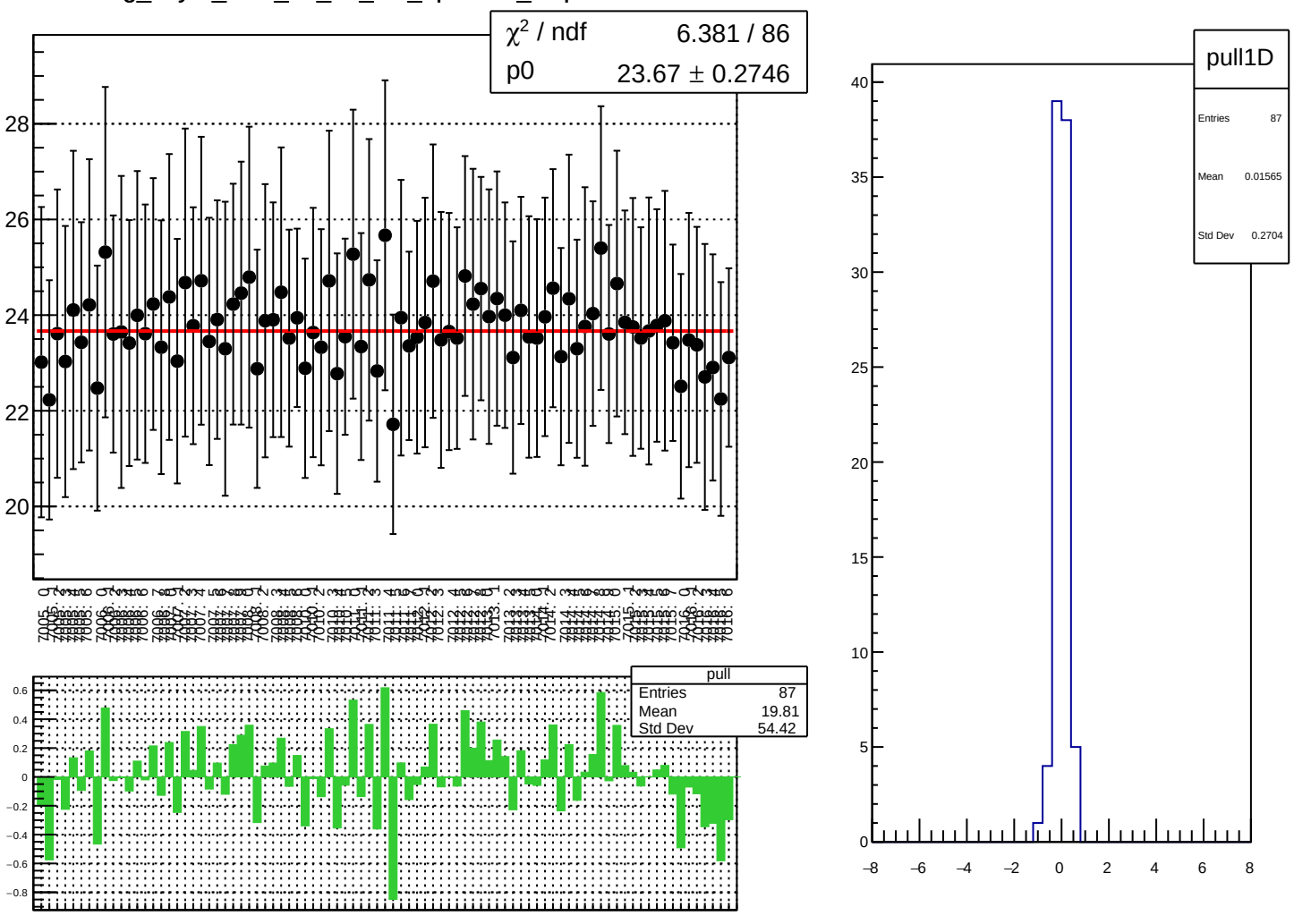

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 12.68 / 86
p0 −23.82 ± 0.3818
pull
Entries 87
Mean −5675
Std Dev 5724

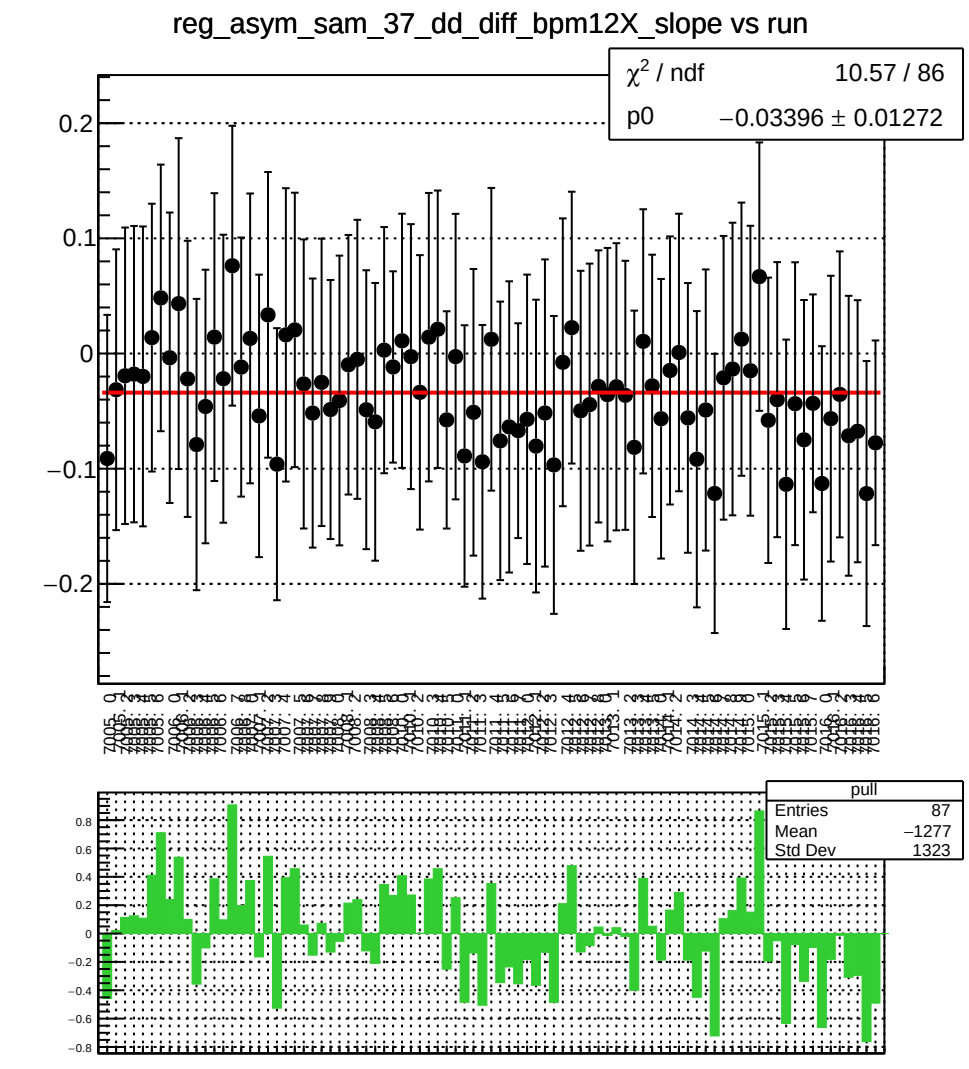

pull1D
Entries 87
Mean 0.0008196
Std Dev 0.3818

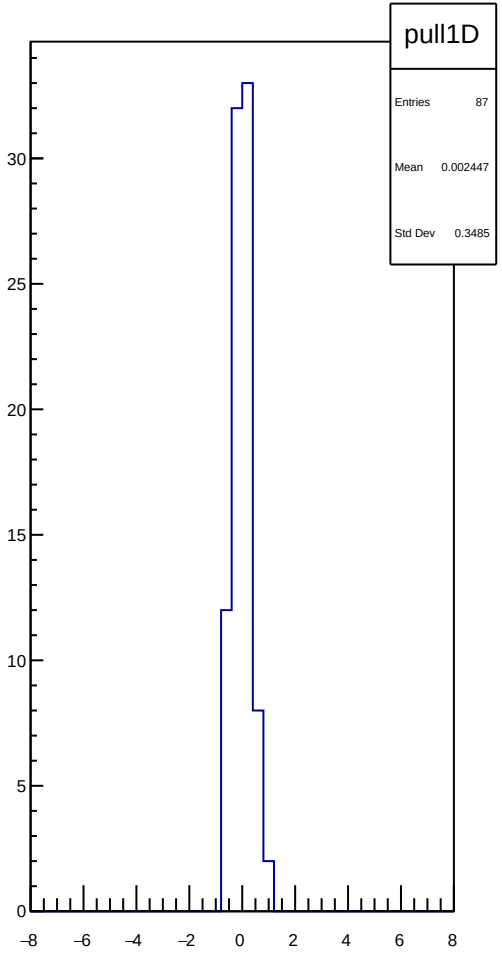

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.798 / 86
p0 −8.967 ± 0.2601
pull
Entries 87
Mean 21.97
Std Dev 38.41
pull1D
Entries 87
Mean −0.02559
Std Dev 0.2784

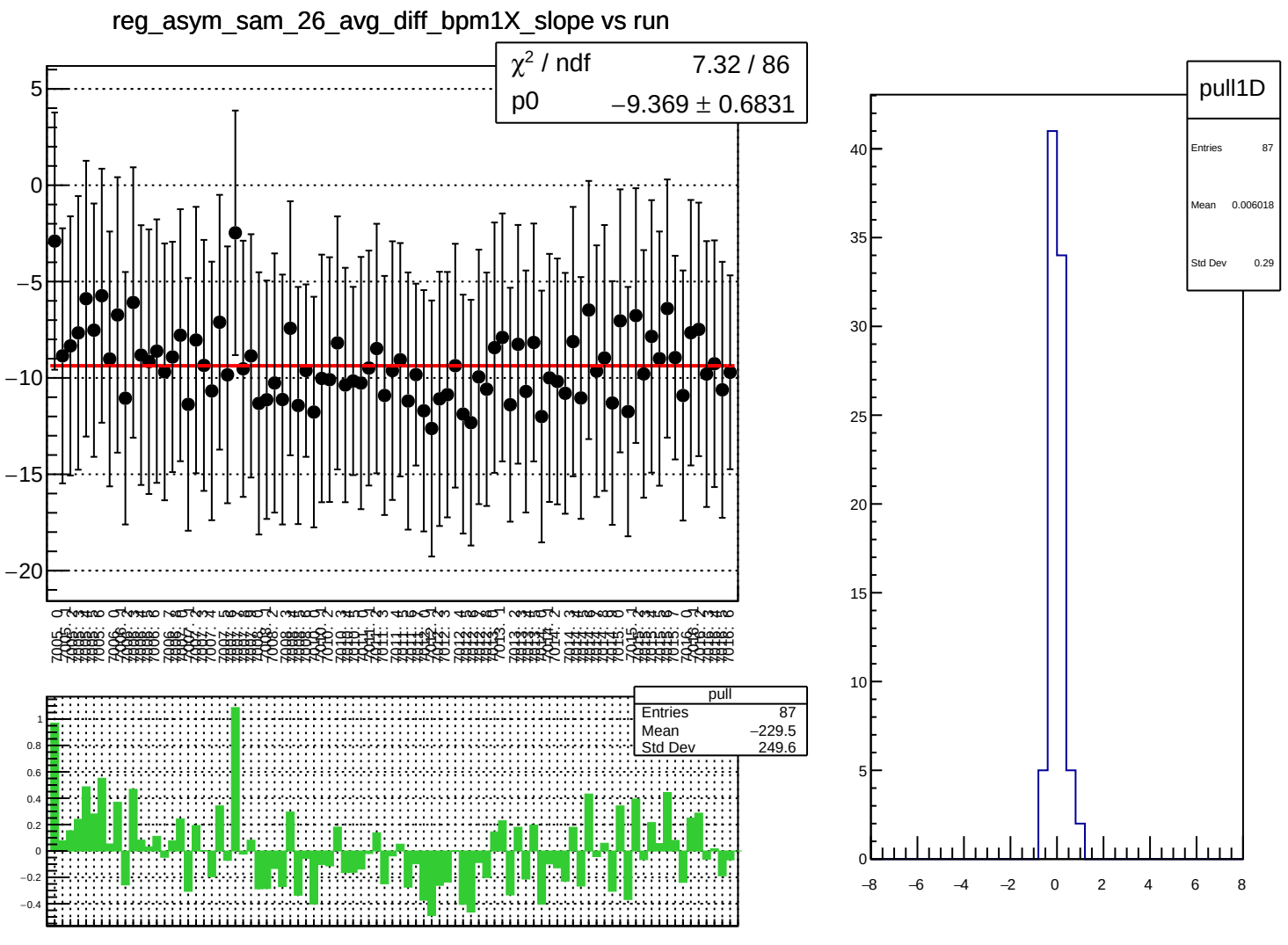

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.66 / 86
p0 −12.42 ± 0.3542
pull
Entries 87
Mean −746.1
Std Dev 793.2

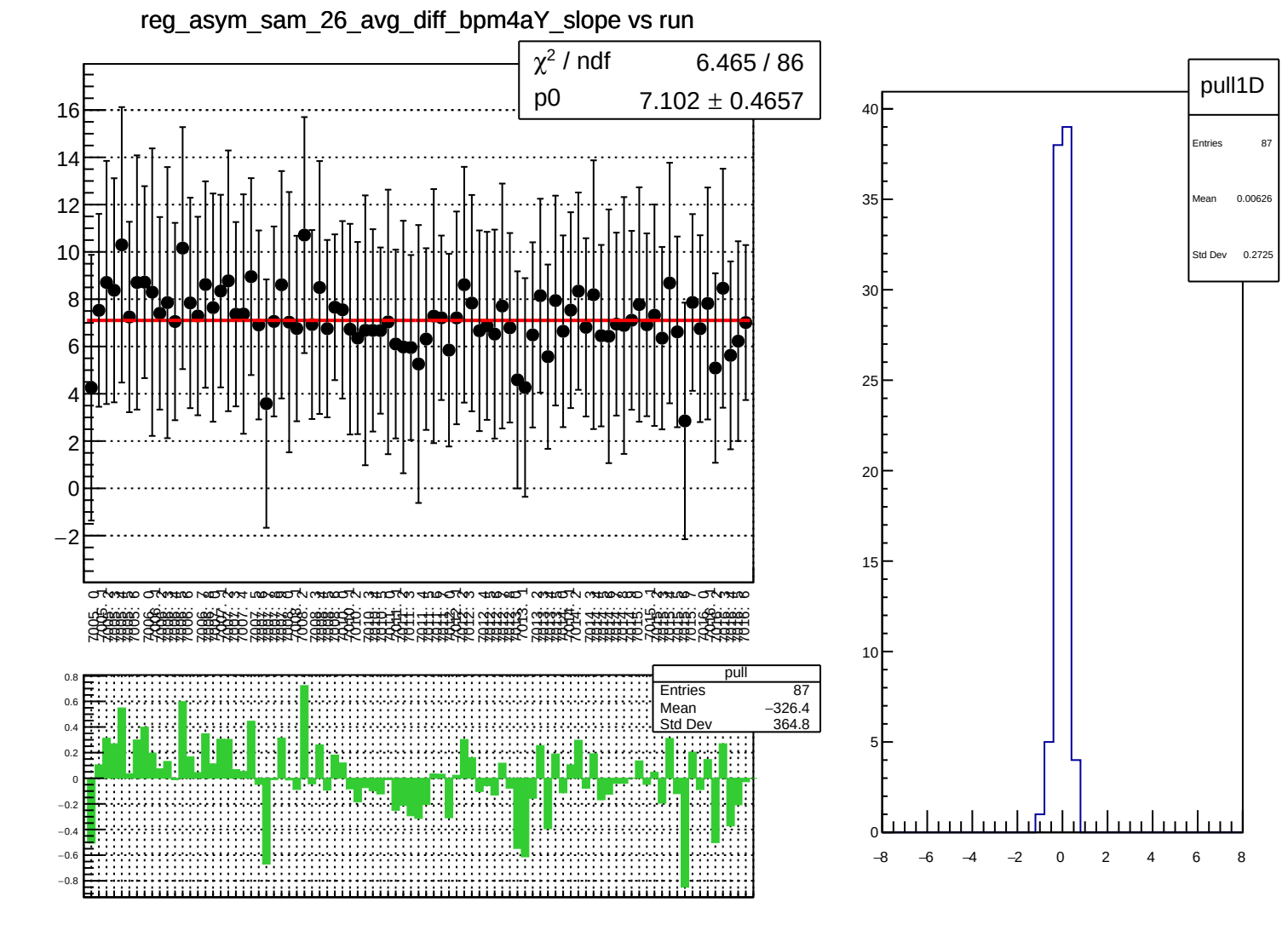

pull1D
Entries 87
Mean −0.00896
Std Dev 0.3814

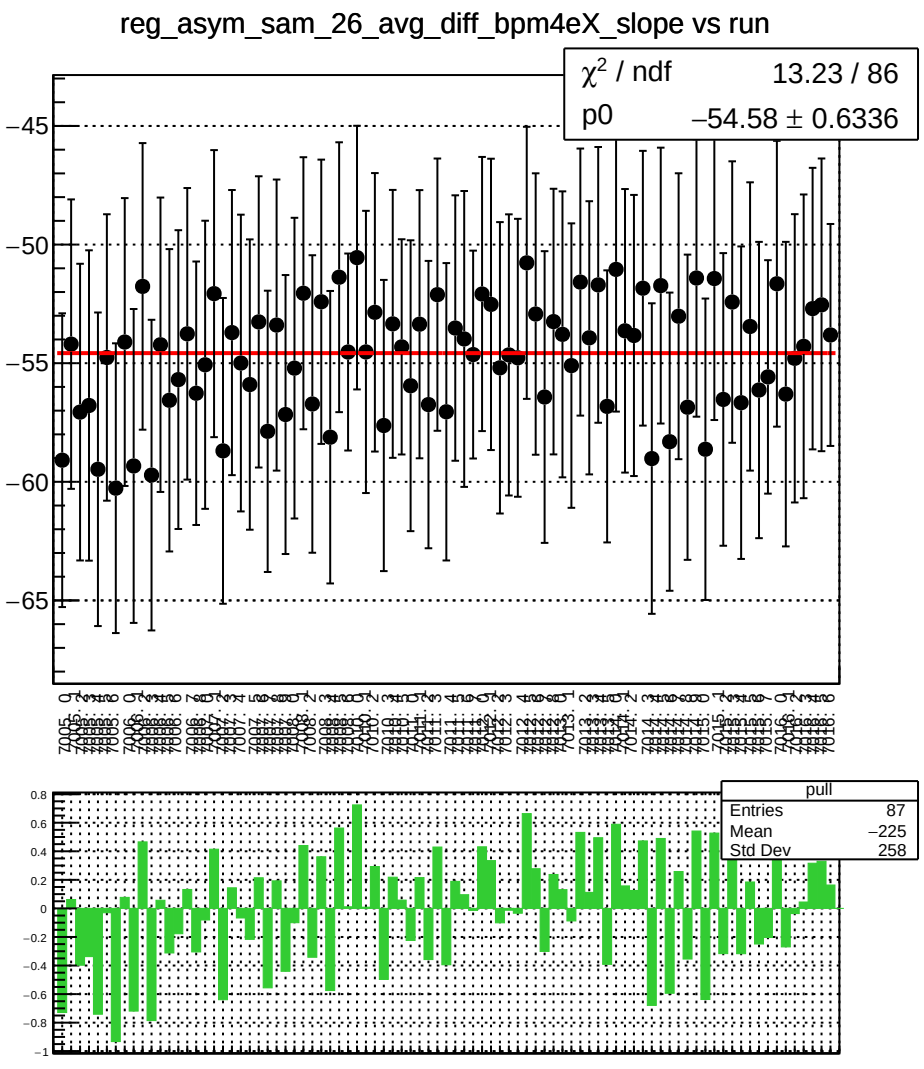

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.381 / 86
p0 23.67 ± 0.2746
28
26
24
22
20
pull
Entries 87
Mean 19.81
Std Dev 54.42
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01565
Std Dev 0.2704
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

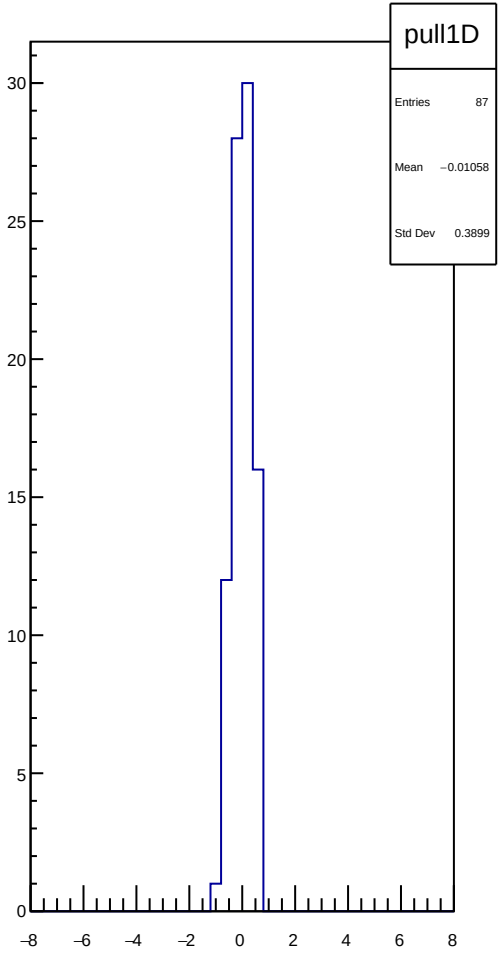

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 10.57 / 86
p0 −0.03396 ± 0.01272
pull
Entries 87
Mean −1277
Std Dev 1323

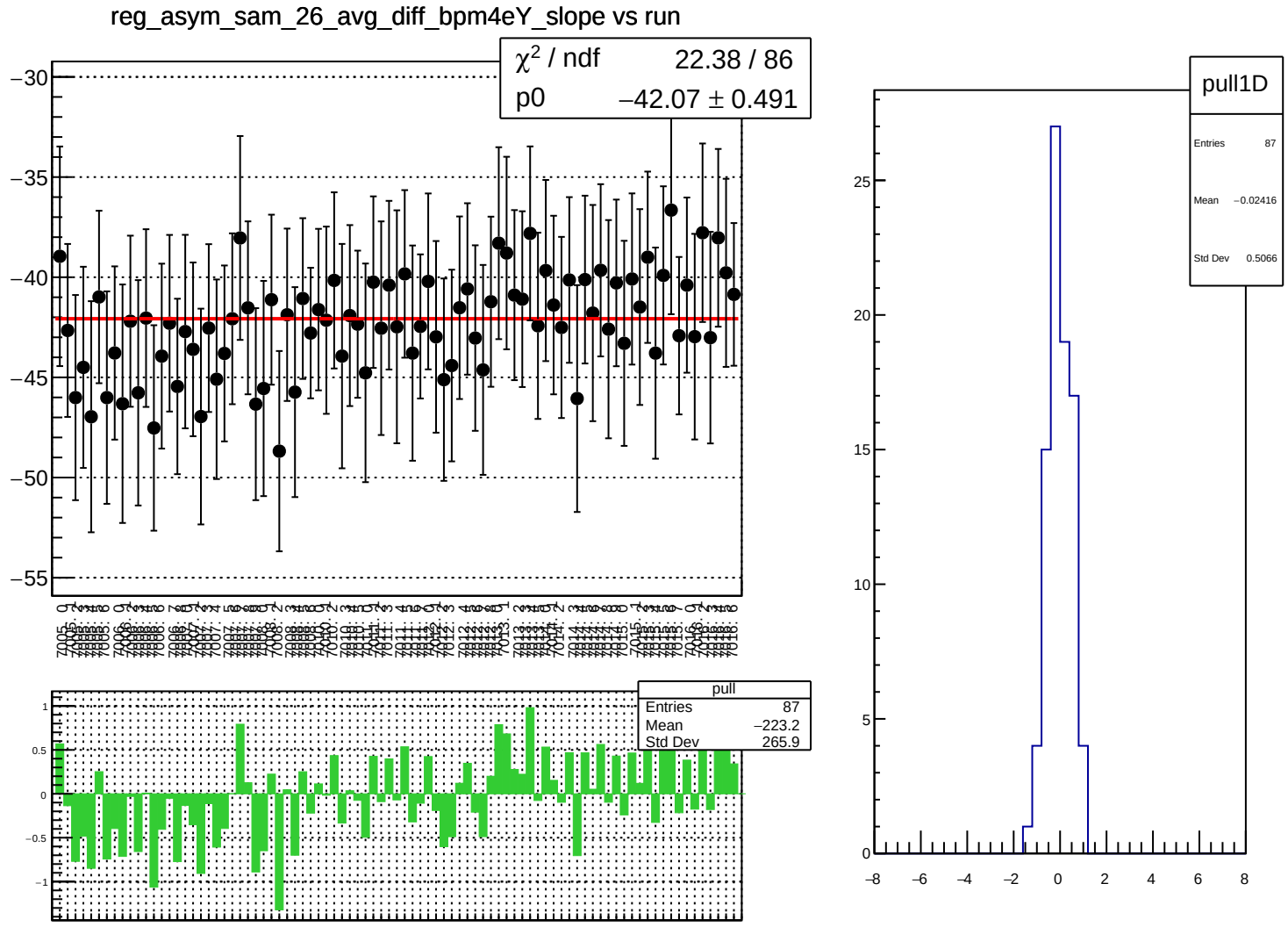

pull1D
Entries 87
Mean 0.002447
Std Dev 0.3485

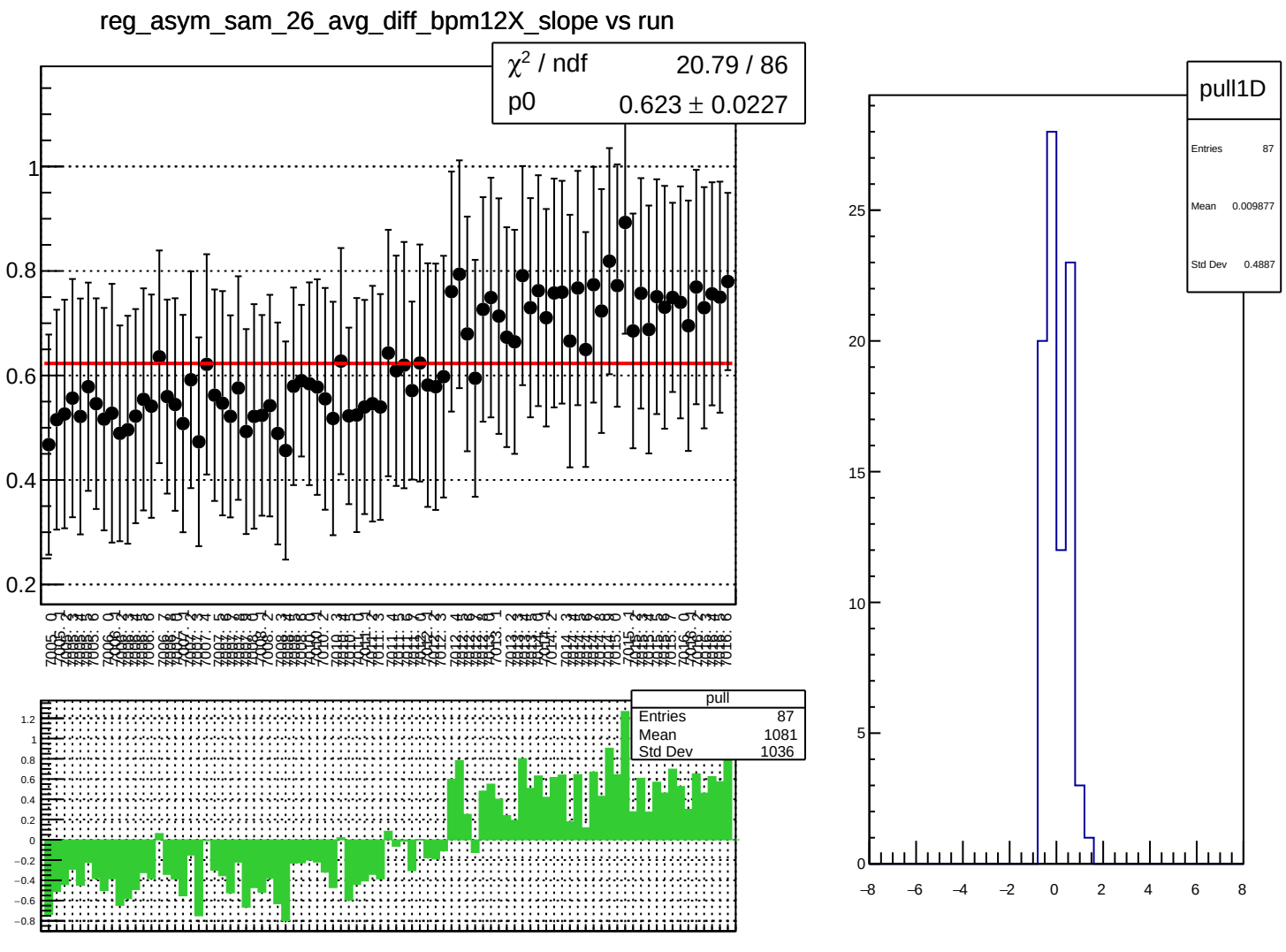

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 7.32 / 86
p0 −9.369 ± 0.6831
pull
Entries 87
Mean −229.5
Std Dev 249.6
pull1D
Entries 87
Mean 0.006018
Std Dev 0.29

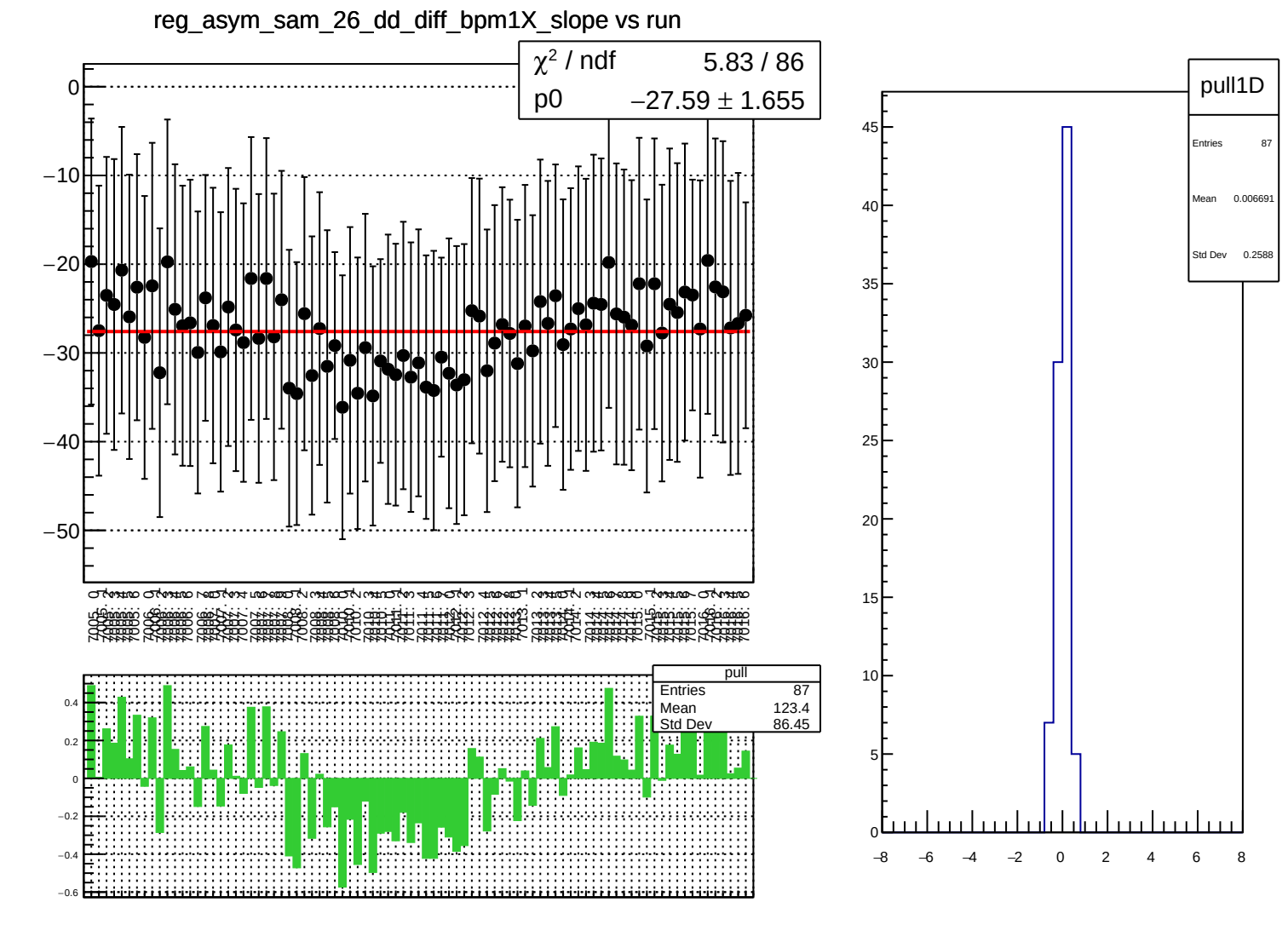

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.465 / 86
p0 7.102 ± 0.4657
pull
Entries 87
Mean −326.4
Std Dev 364.8
pull1D
Entries 87
Mean 0.00626
Std Dev 0.2725

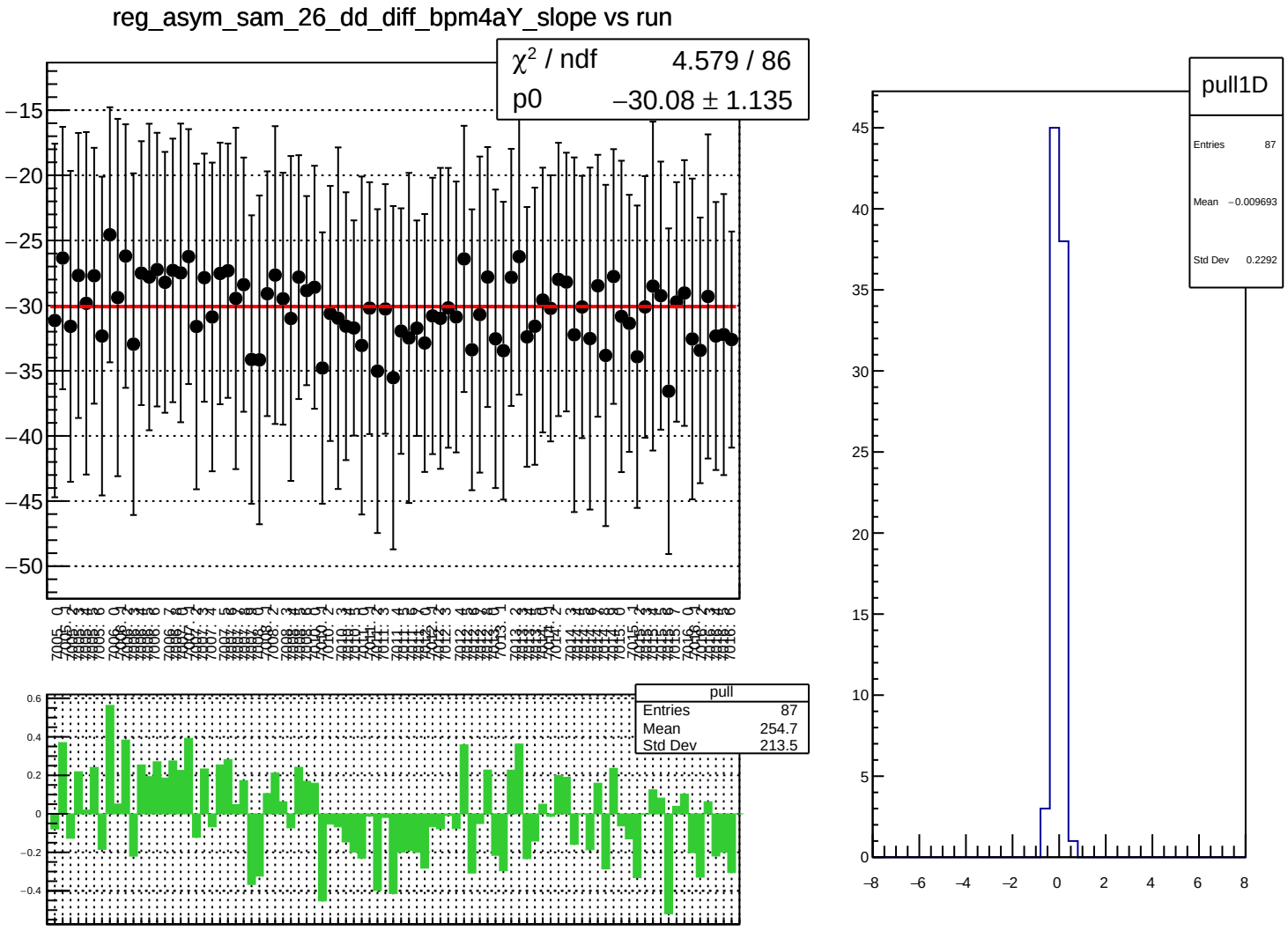

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.23 / 86
p0 −54.58 ± 0.6336
−45
−50
−55
−60
−65
pull
Entries 87
Mean −225
Std Dev 258
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

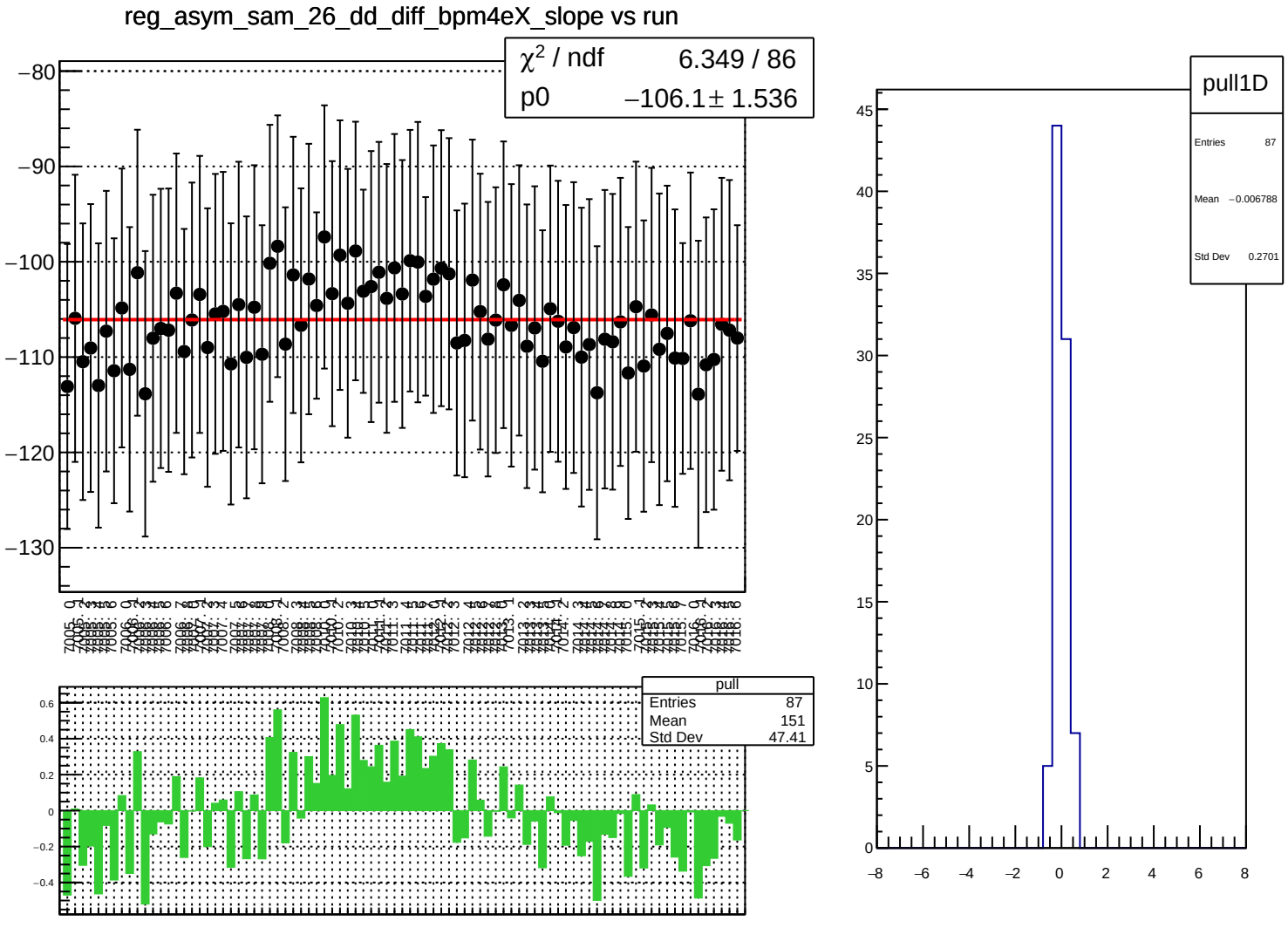

pull1D
Entries 87
Mean −0.01058
Std Dev 0.3899
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

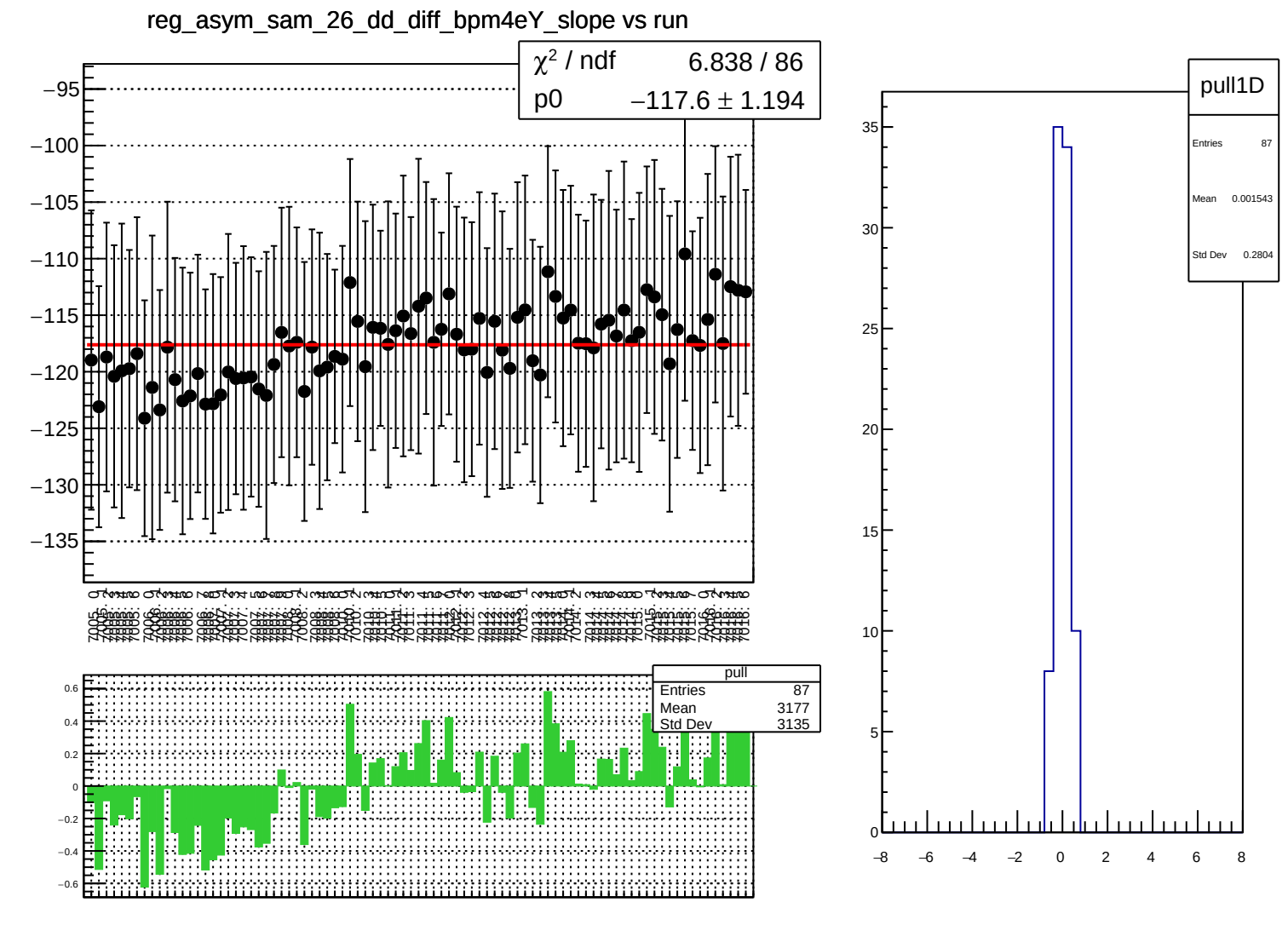

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.38 / 86
p0 −42.07 ± 0.491
−30
−35
−40
−45
−50
−55
pull
Entries 87
Mean −223.2
Std Dev 265.9
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.02416
Std Dev 0.5066
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

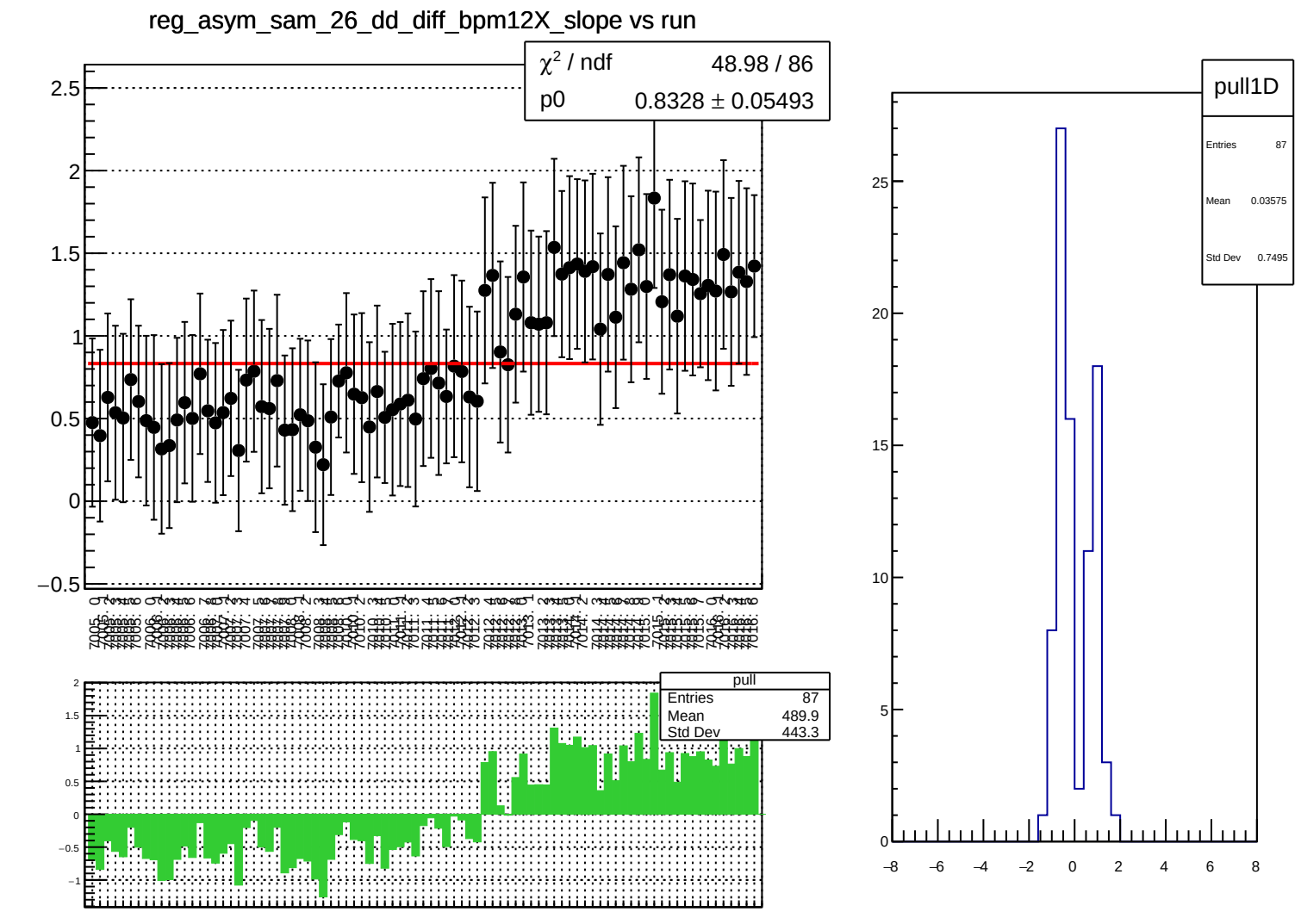

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 20.79 / 86
p0 0.623 ± 0.0227
pull
Entries 87
Mean 1081
Std Dev 1036
pull1D
Entries 87
Mean 0.009877
Std Dev 0.4887

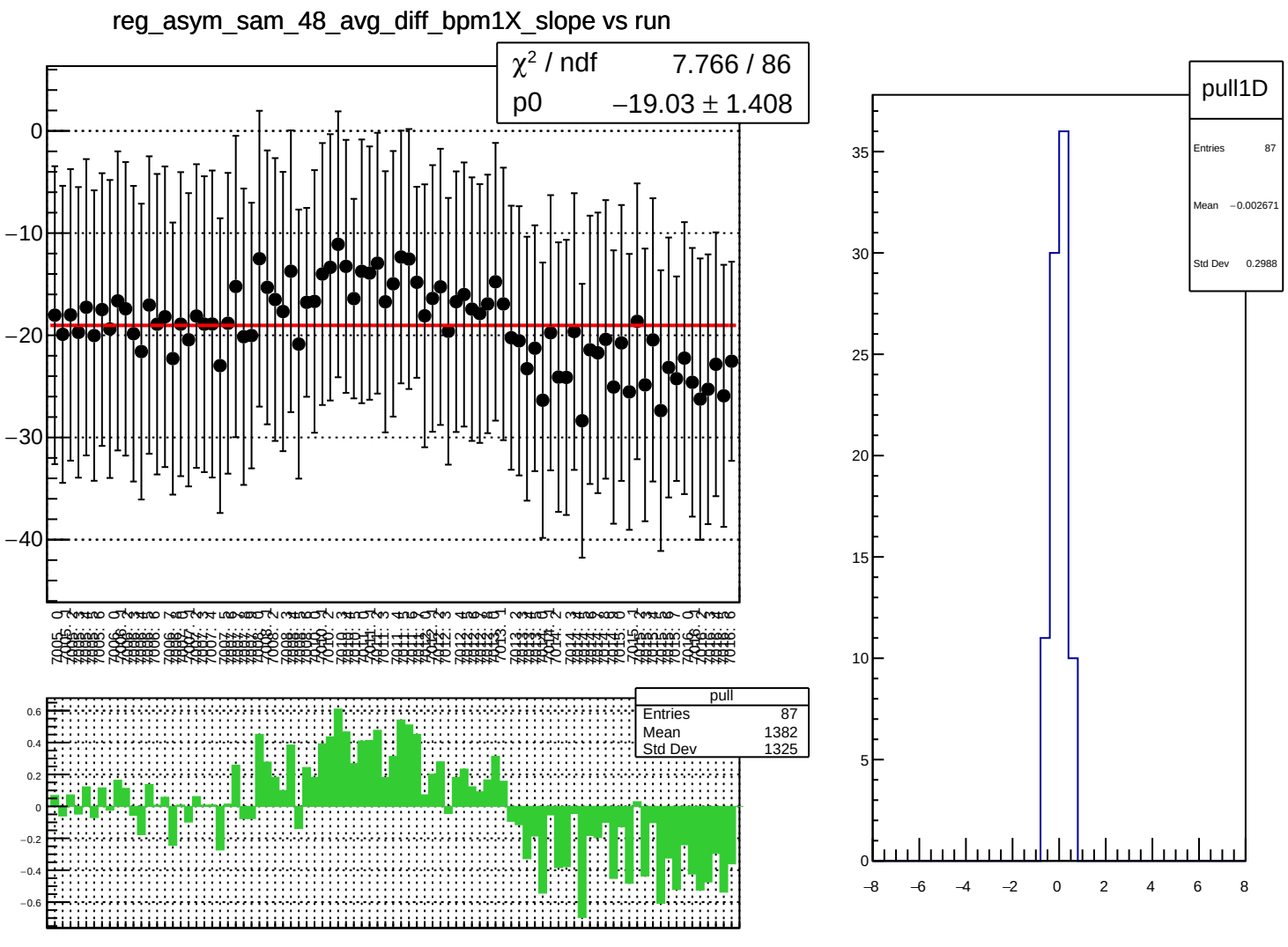

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.83 / 86
p0 −27.59 ± 1.655
pull
Entries 87
Mean 123.4
Std Dev 86.45
pull1D
Entries 87
Mean 0.006691
Std Dev 0.2588

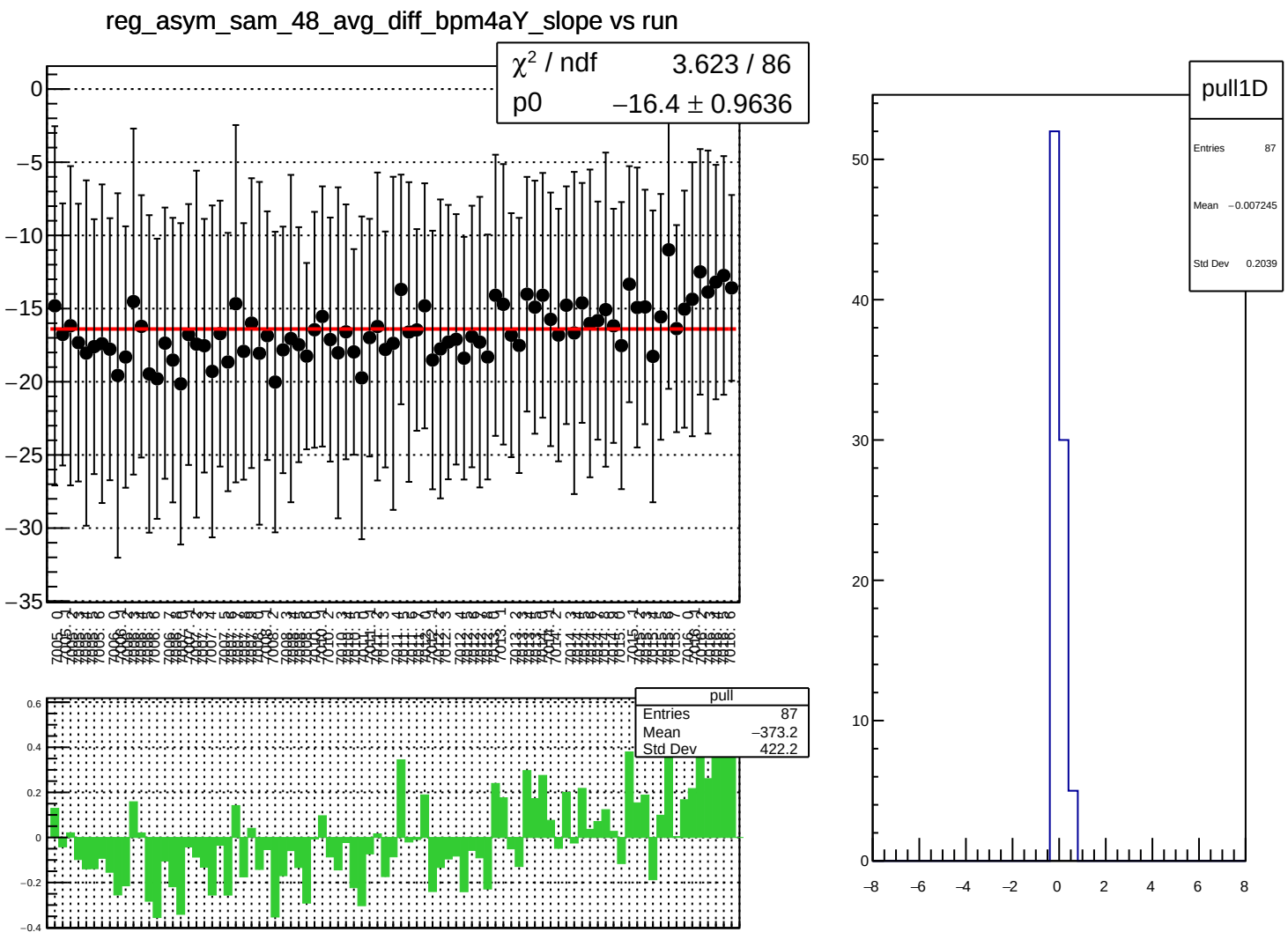

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.579 / 86
p0 −30.08 ± 1.135
pull
Entries 87
Mean 254.7
Std Dev 213.5
pull1D
Entries 87
Mean −0.009693
Std Dev 0.2292

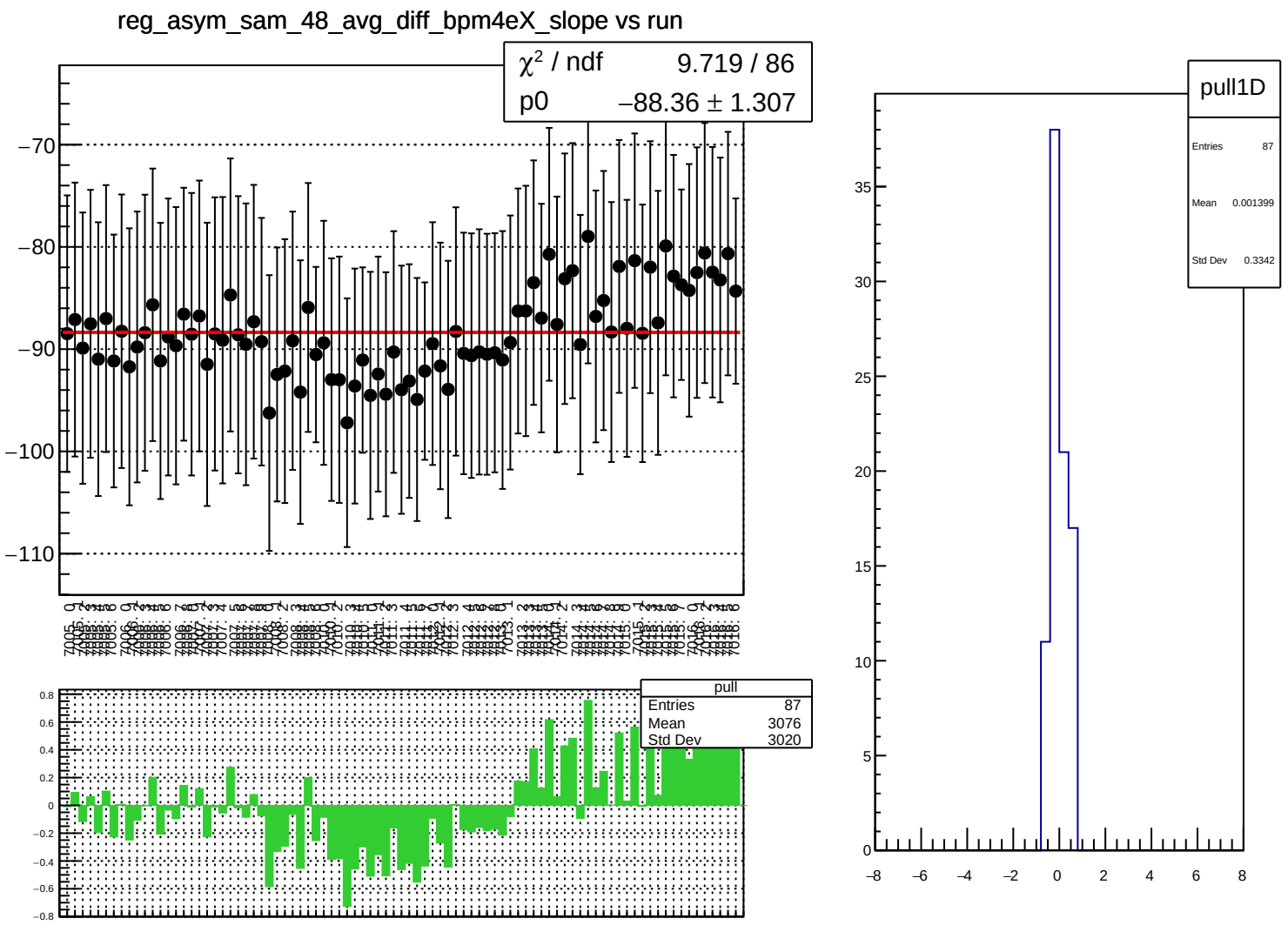

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.349 / 86
p0 −106.1± 1.536
−80
−90
−100
−110
−120
−130
pull
Entries 87
Mean 151
Std Dev 47.41
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 87
Mean −0.006788
Std Dev 0.2701
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

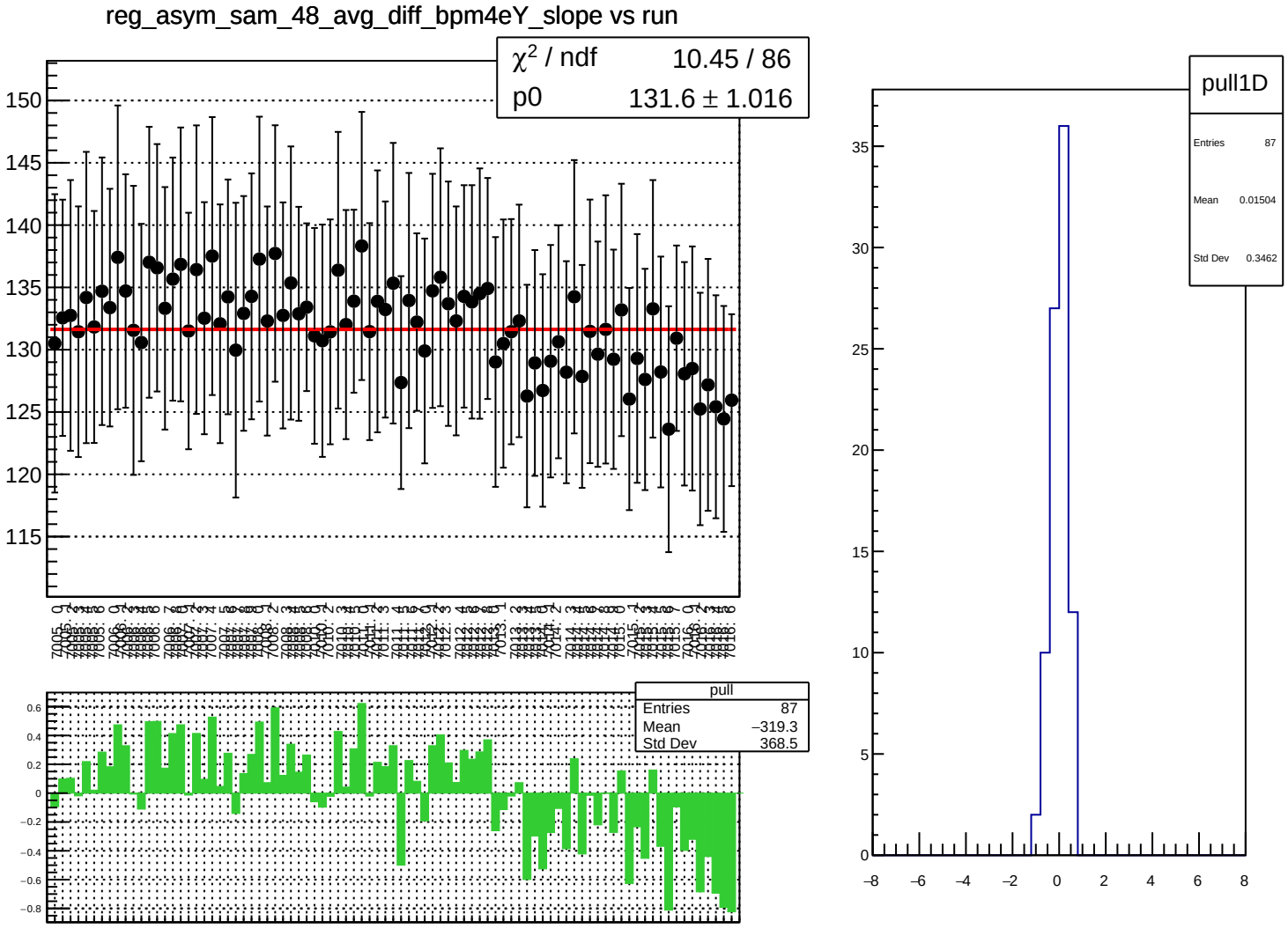

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.838 / 86
p0 −117.6 ± 1.194
pull
Entries 87
Mean 3177
Std Dev 3135
pull1D
Entries 87
Mean 0.001543
Std Dev 0.2804

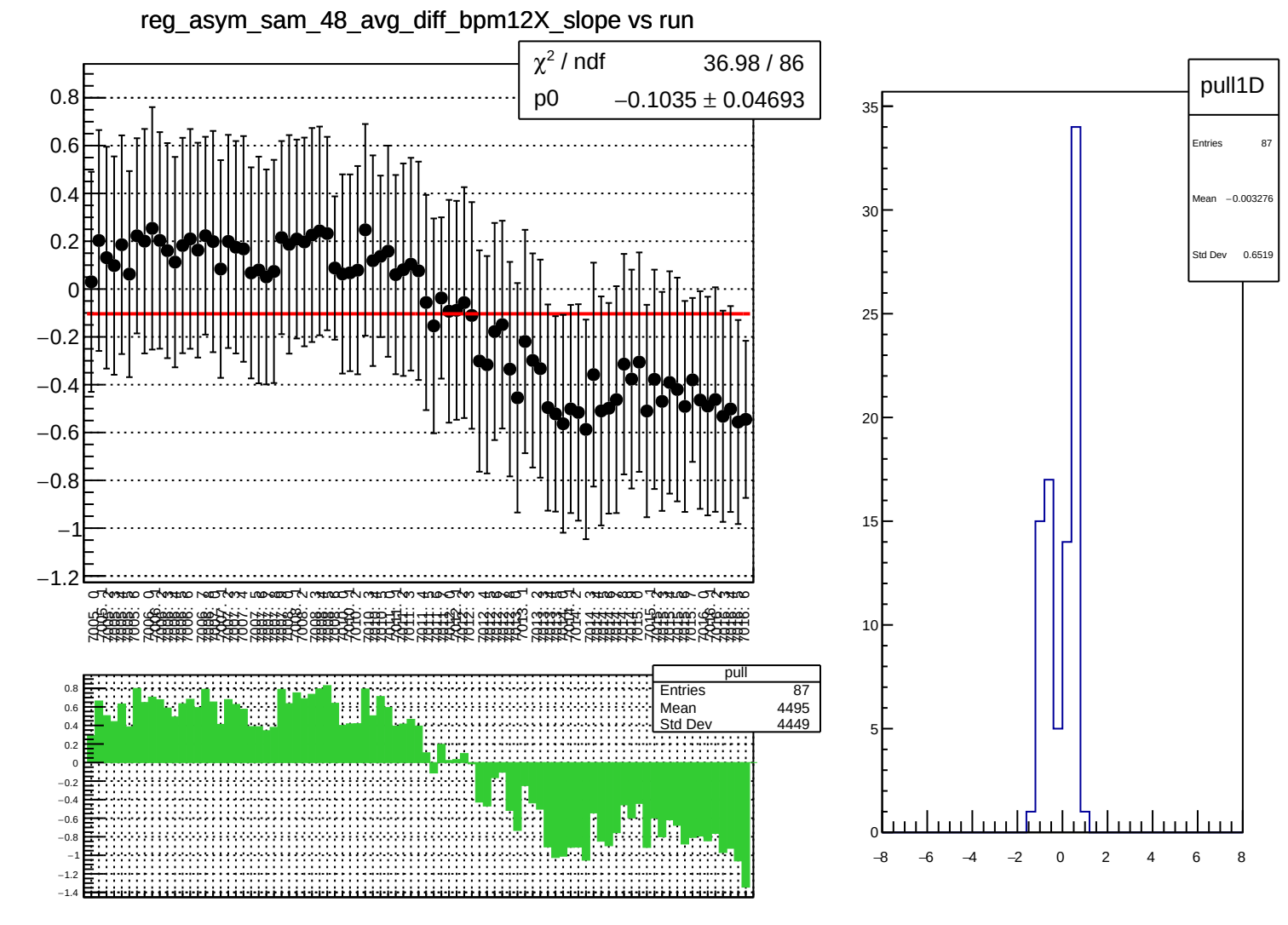

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 48.98 / 86
p0 0.8328 ± 0.05493
pull
Entries 87
Mean 489.9
Std Dev 443.3
pull1D
Entries 87
Mean 0.03575
Std Dev 0.7495

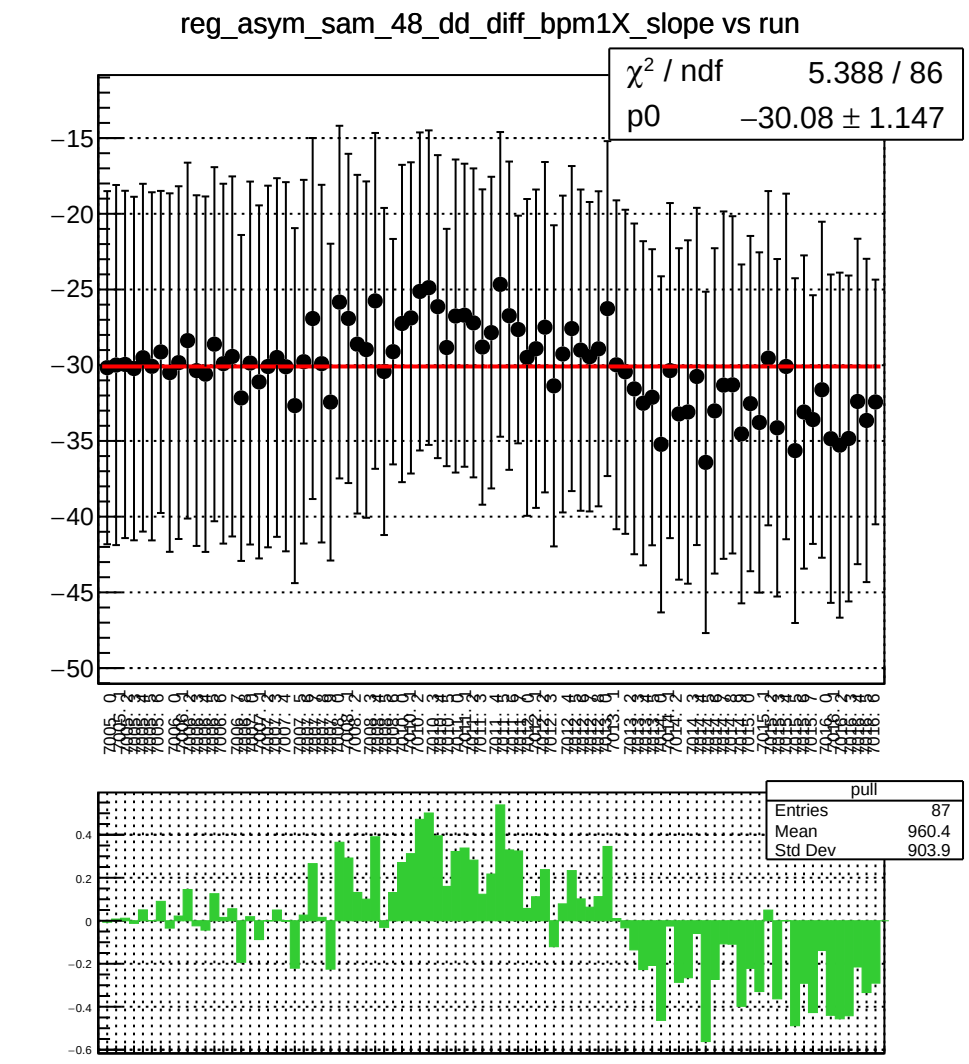

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 7.766 / 86
p0 −19.03 ± 1.408
0
−10
−20
−30
−40
pull
Entries 87
Mean 1382
Std Dev 1325
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.002671
Std Dev 0.2988
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

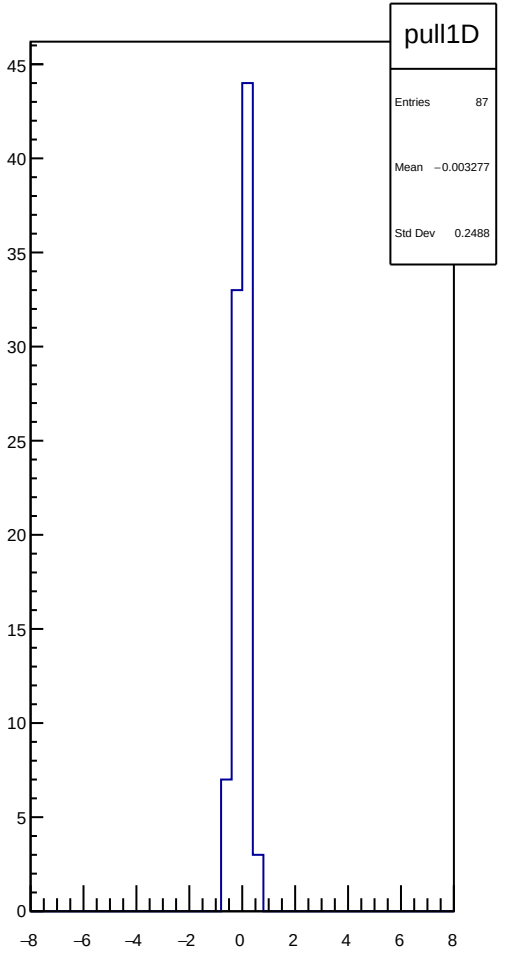

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.623 / 86
p0 −16.4 ± 0.9636
pull
Entries 87
Mean −373.2
Std Dev 422.2
pull1D
Entries 87
Mean −0.007245
Std Dev 0.2039

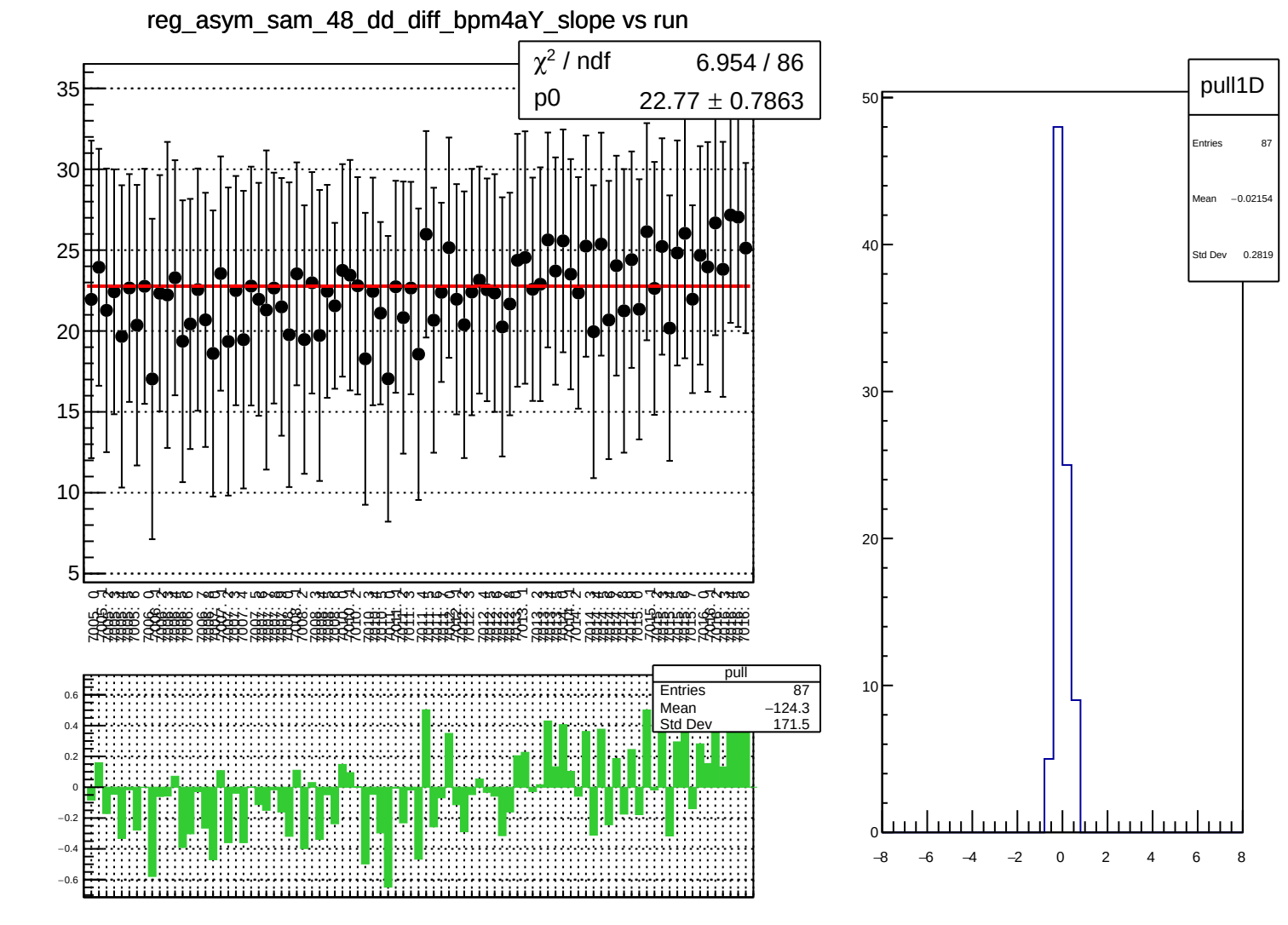

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.719 / 86
p0 −88.36 ± 1.307
−70
−80
−90
−100
−110
pull
Entries 87
Mean 3076
Std Dev 3020
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.001399
Std Dev 0.3342
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

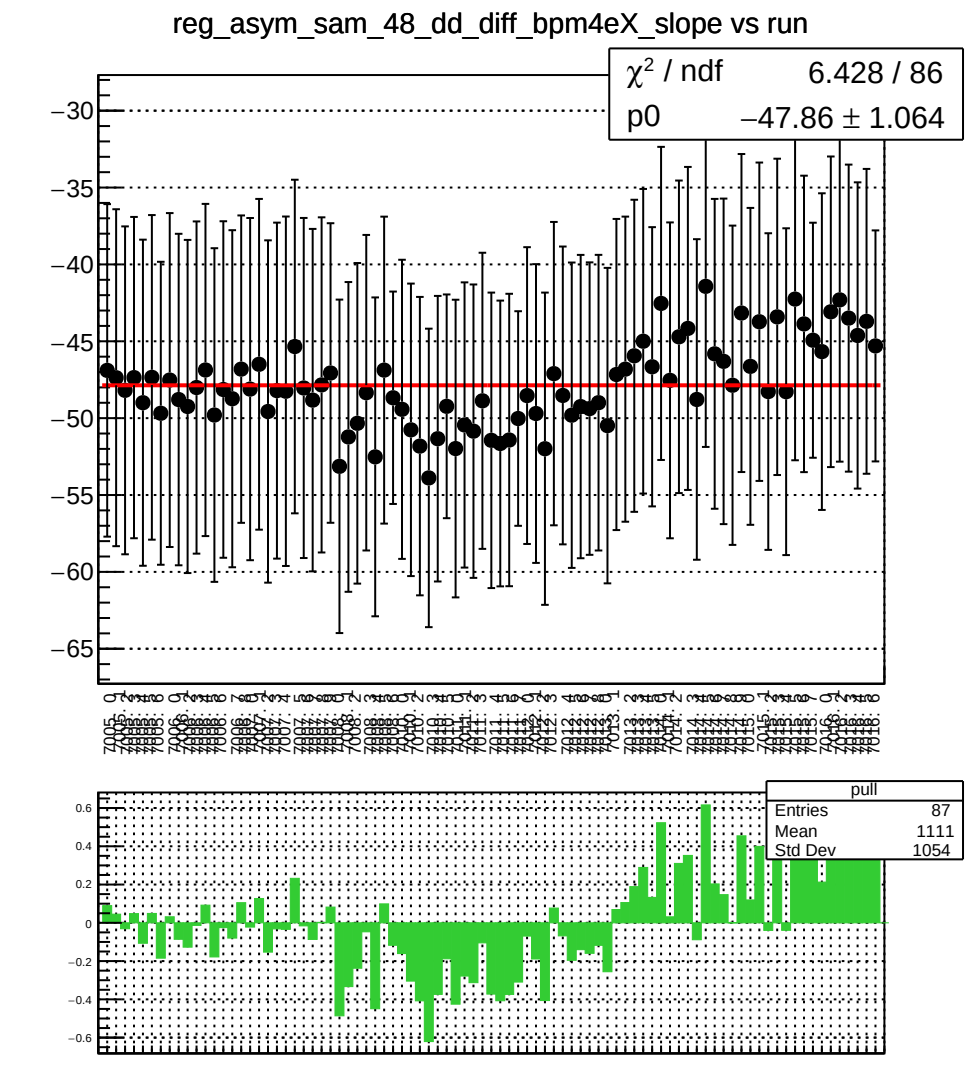

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.45 / 86
p0 131.6 ± 1.016
150
145
140
135
130
125
120
115
pull
Entries 87
Mean −319.3
Std Dev 368.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01504
Std Dev 0.3462
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

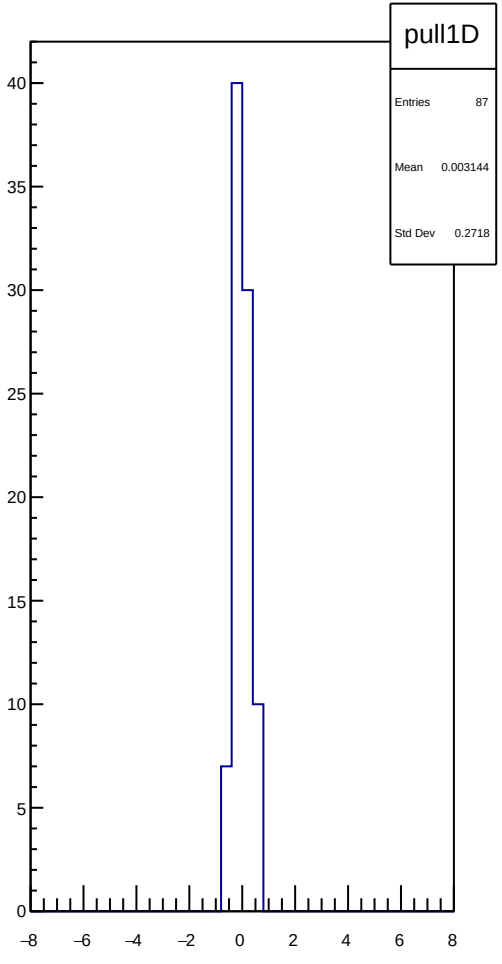

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 36.98 / 86
p0 −0.1035 ± 0.04693
pull
Entries 87
Mean 4495
Std Dev 4449
pull1D
Entries 87
Mean −0.003276
Std Dev 0.6519

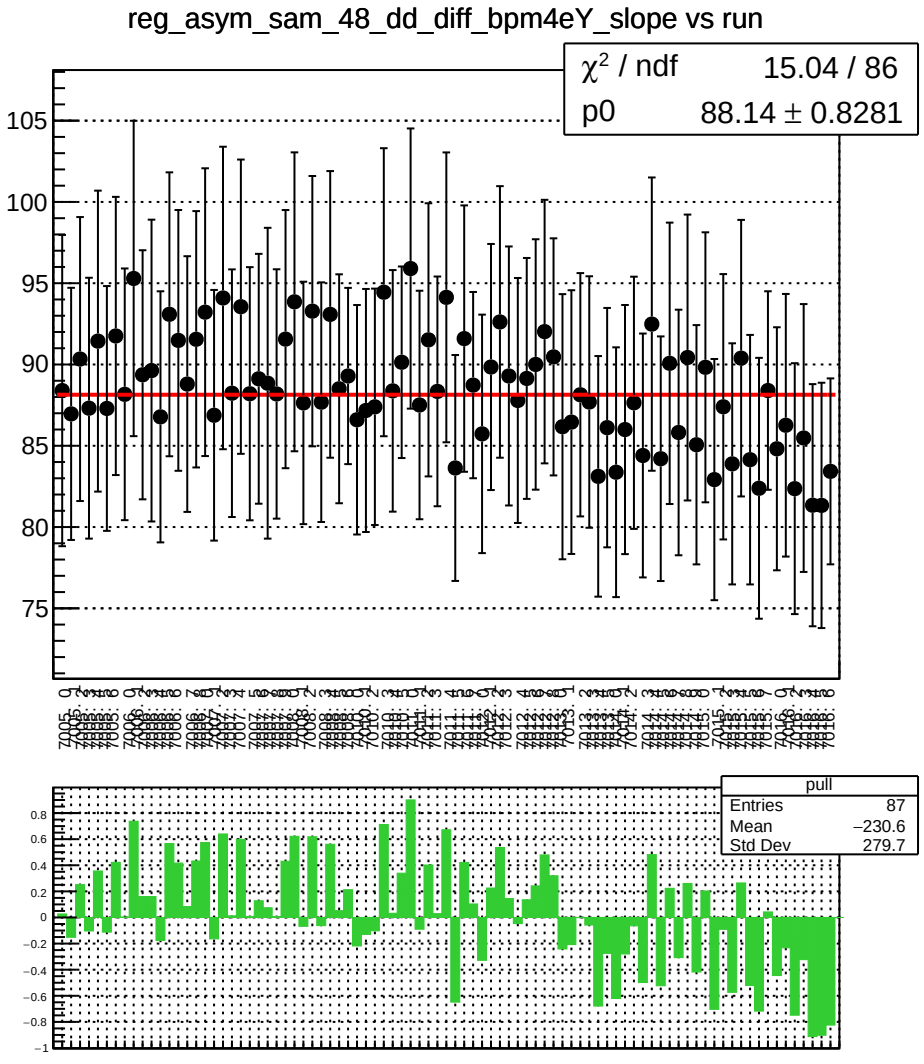

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.388 / 86
p0 −30.08 ± 1.147
pull
Entries 87
Mean 960.4
Std Dev 903.9

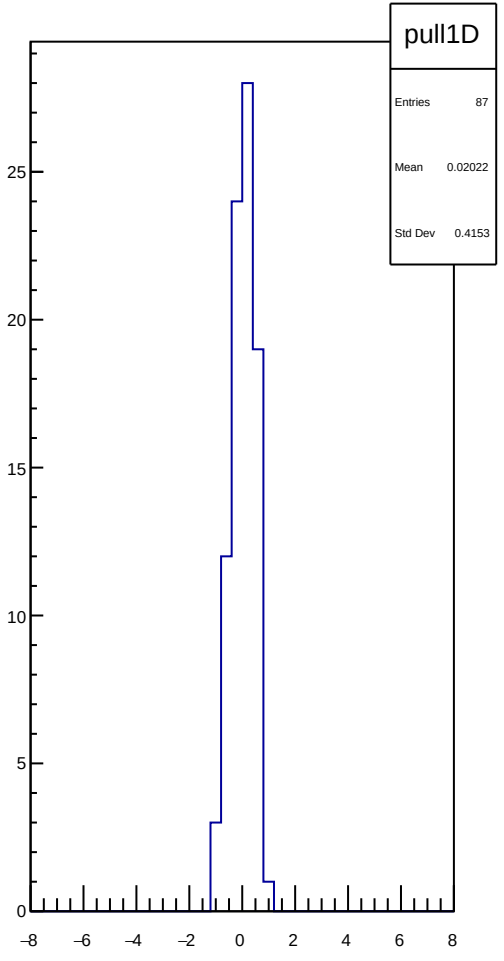

pull1D
Entries 87
Mean −0.003277
Std Dev 0.2488

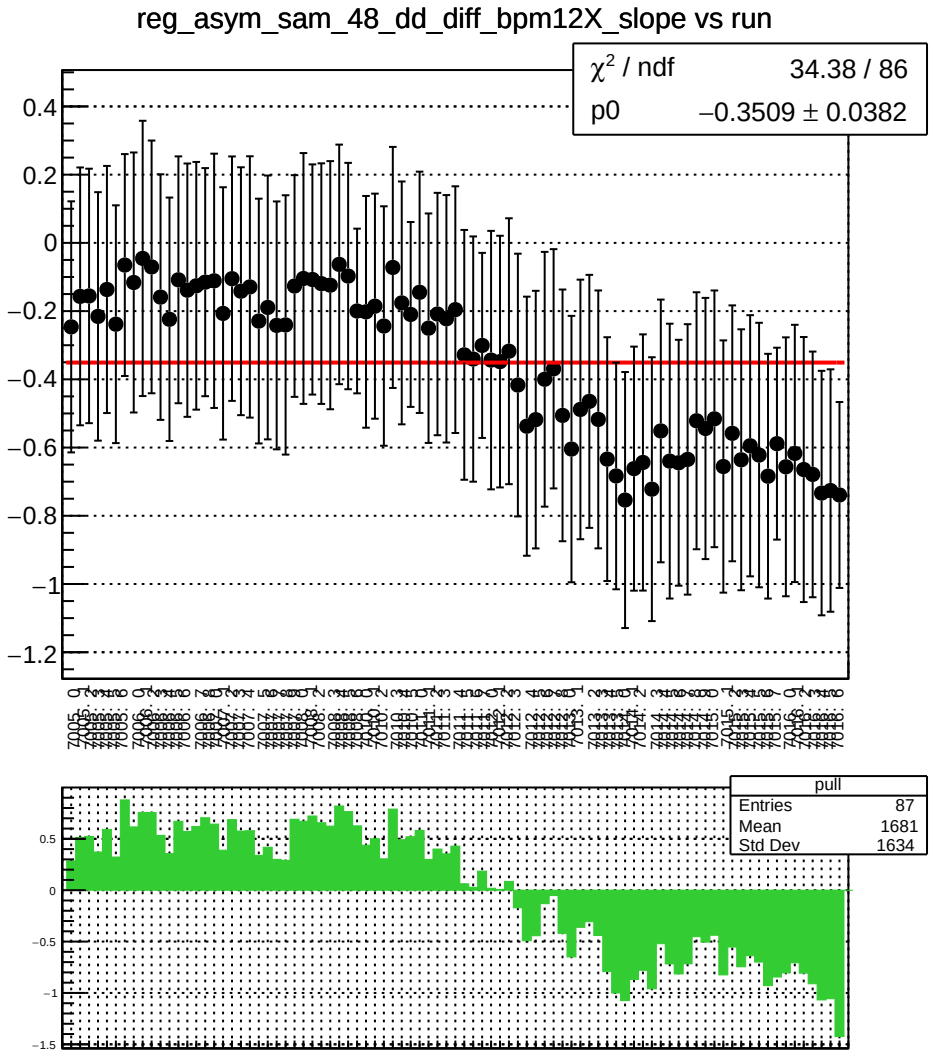

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.954 / 86
p0 22.77 ± 0.7863
pull
Entries 87
Mean −124.3
Std Dev 171.5
pull1D
Entries 87
Mean −0.02154
Std Dev 0.2819

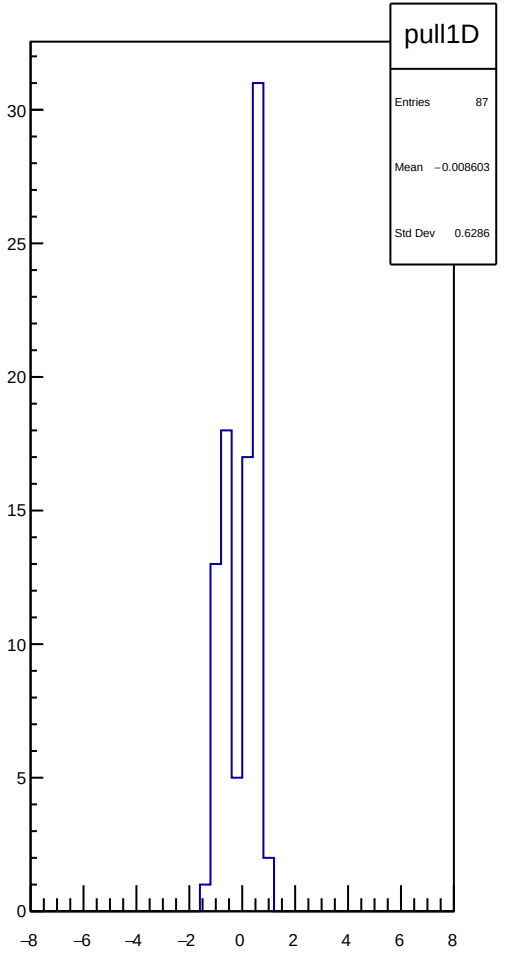

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.428 / 86
p0 −47.86 ± 1.064
pull
Entries 87
Mean 1111
Std Dev 1054

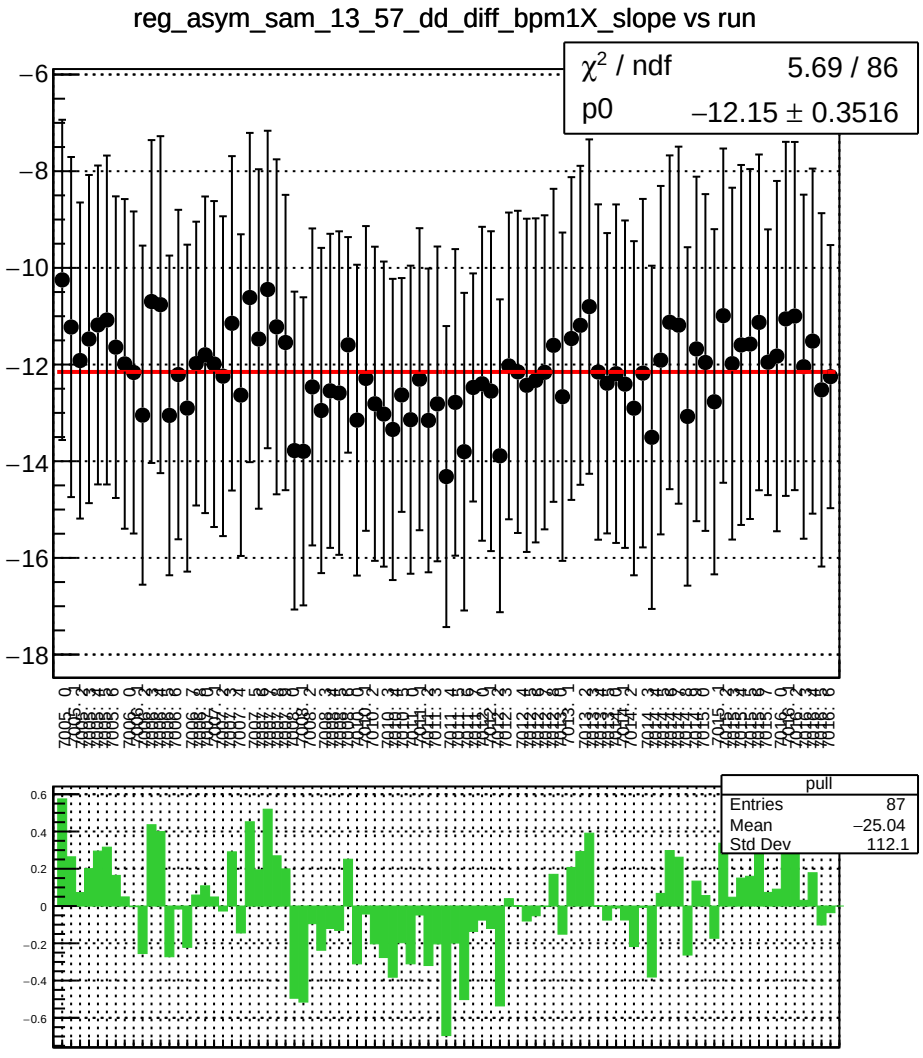

pull1D
Entries 87
Mean 0.003144
Std Dev 0.2718

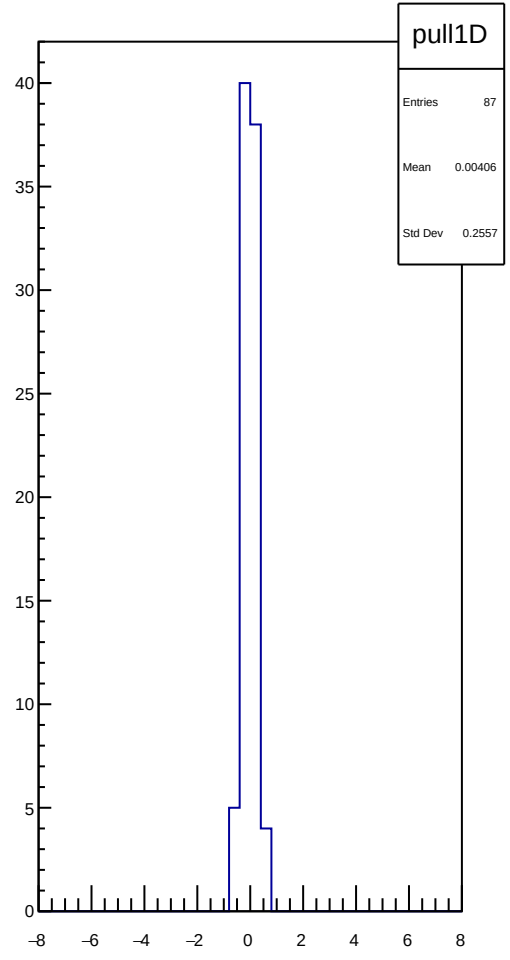

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.04 / 86
p0 88.14 ± 0.8281
105
100
95
90
85
80
75
pull
Entries 87
Mean −230.6
Std Dev 279.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

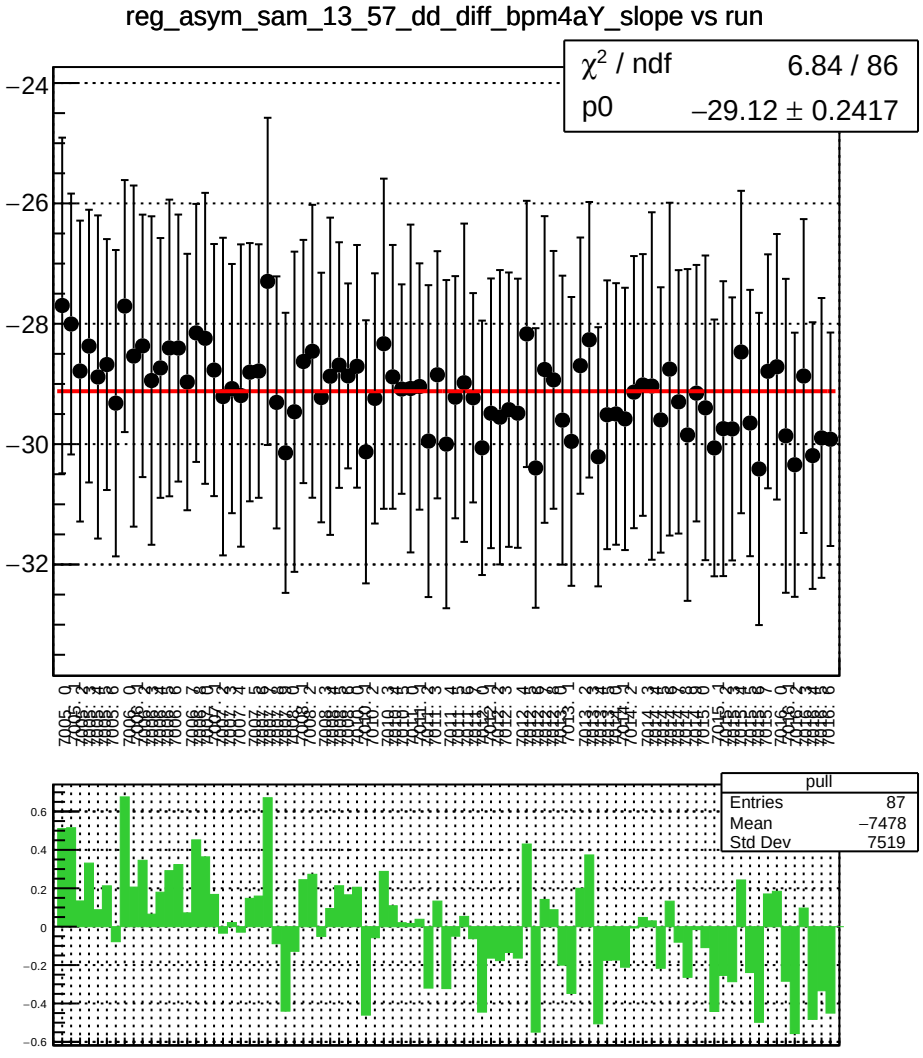

pull1D
Entries 87
Mean 0.02022
Std Dev 0.4153
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

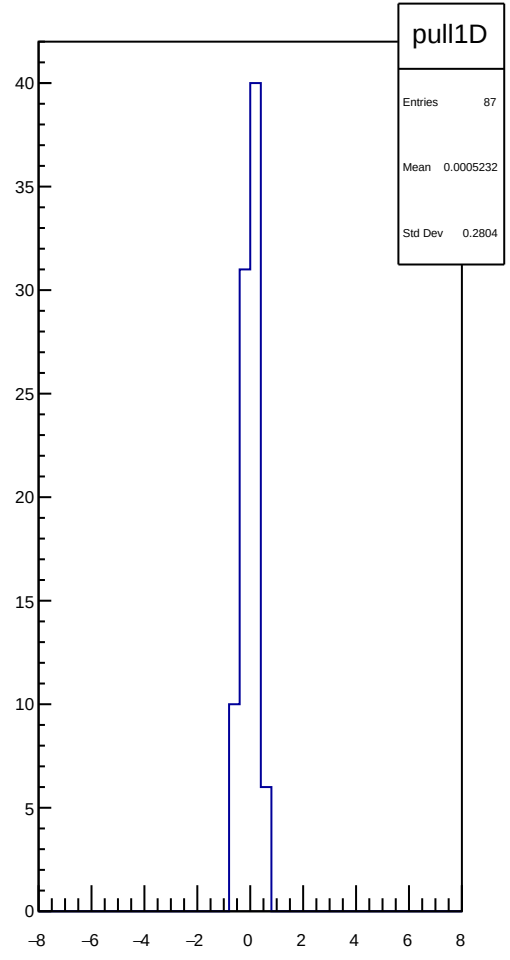

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.38 / 86
p0 −0.3509 ± 0.0382
pull
Entries 87
Mean 1681
Std Dev 1634

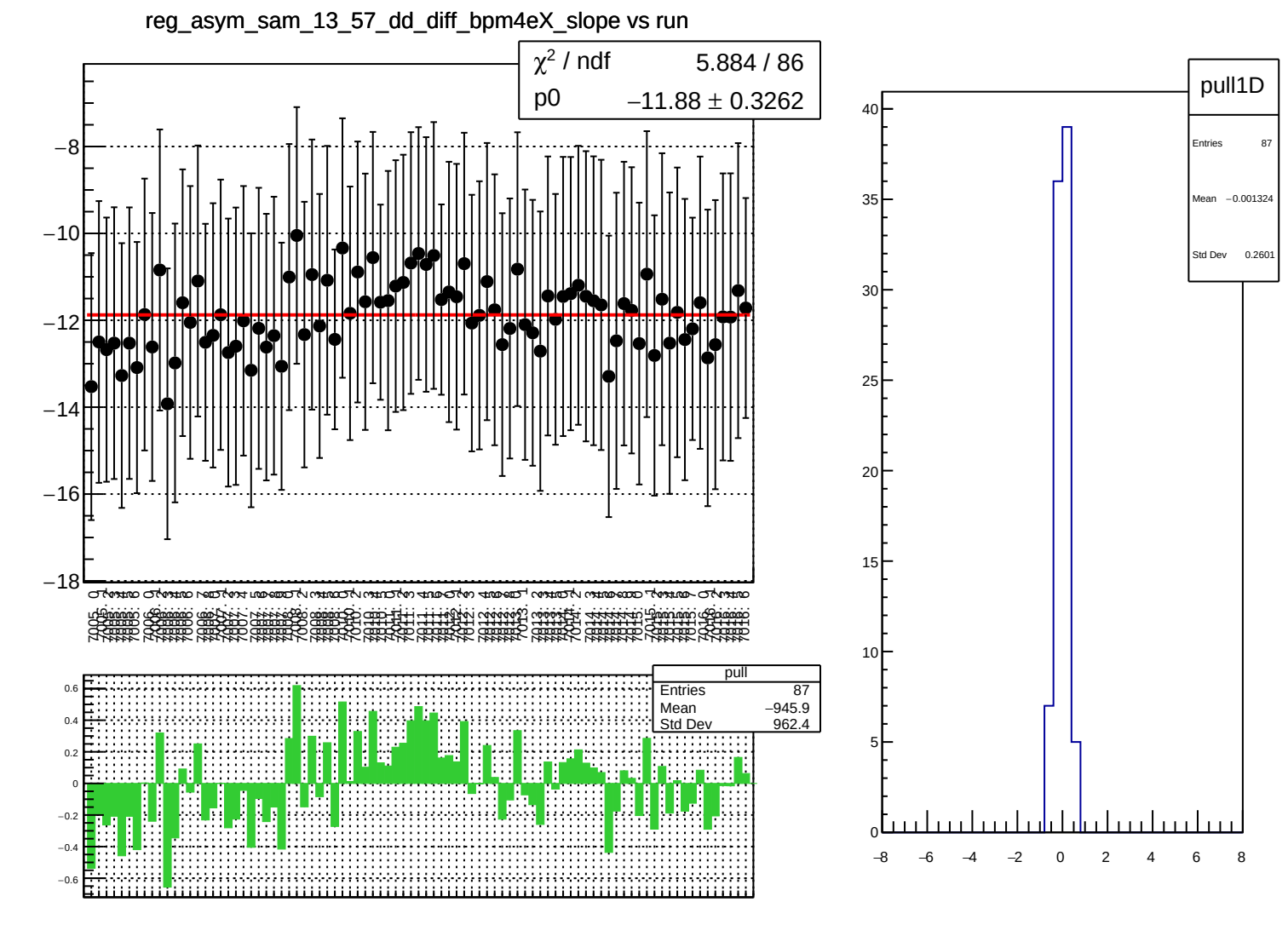

pull1D
Entries 87
Mean −0.008603
Std Dev 0.6286

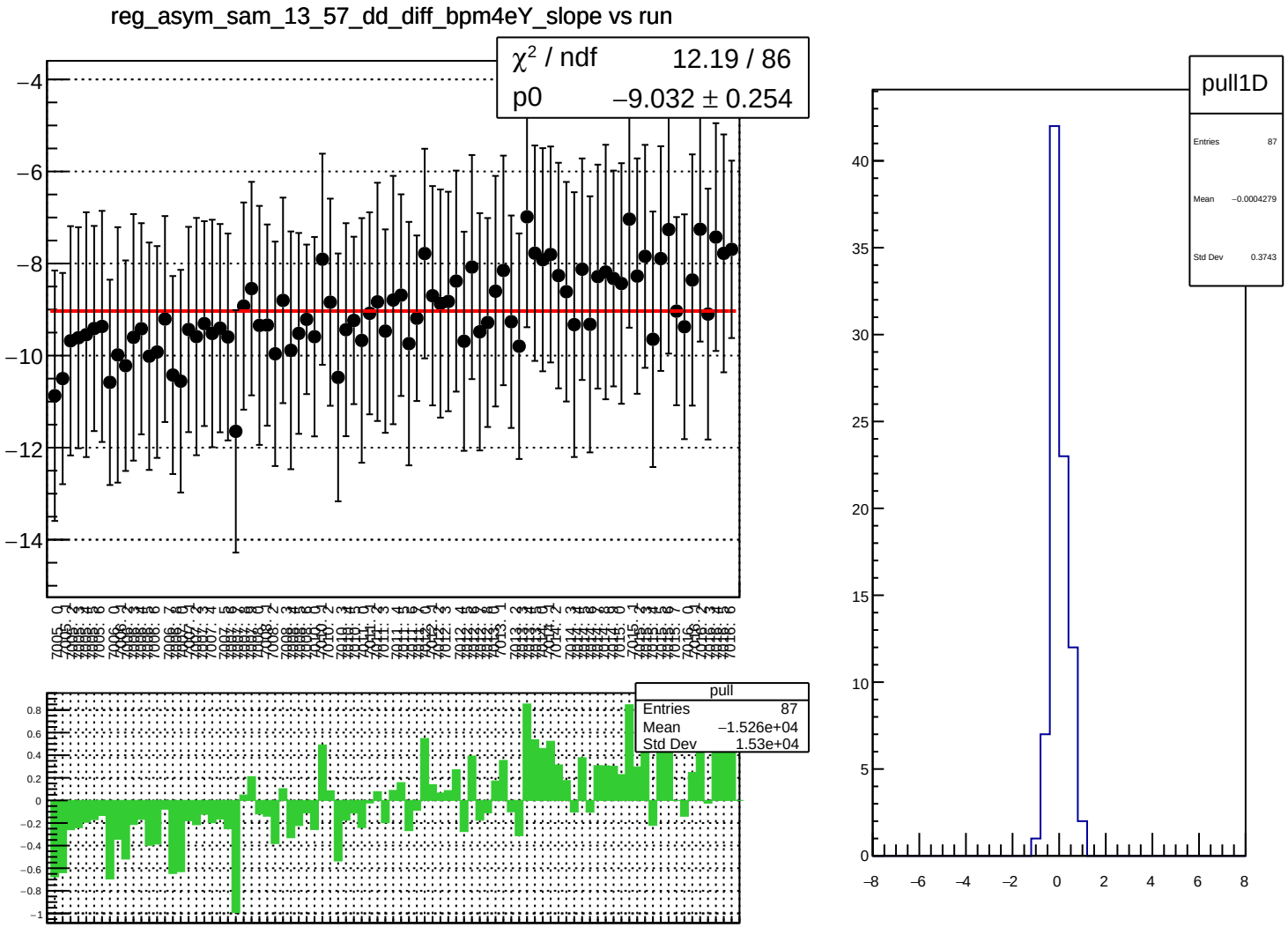

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 5.69 / 86
p0 −12.15 ± 0.3516
pull
Entries 87
Mean −25.04
Std Dev 112.1

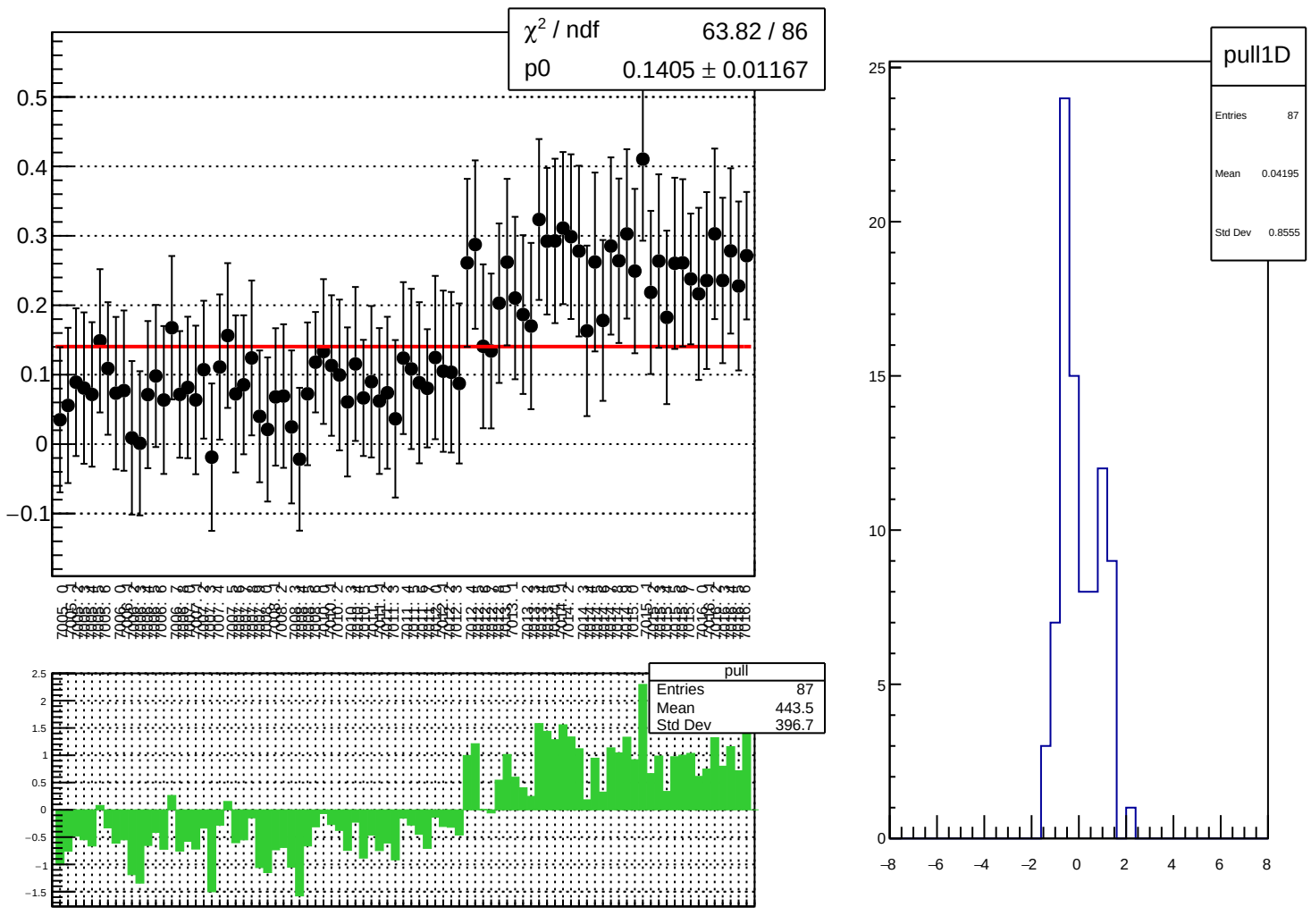

pull1D
Entries 87
Mean 0.00406
Std Dev 0.2557

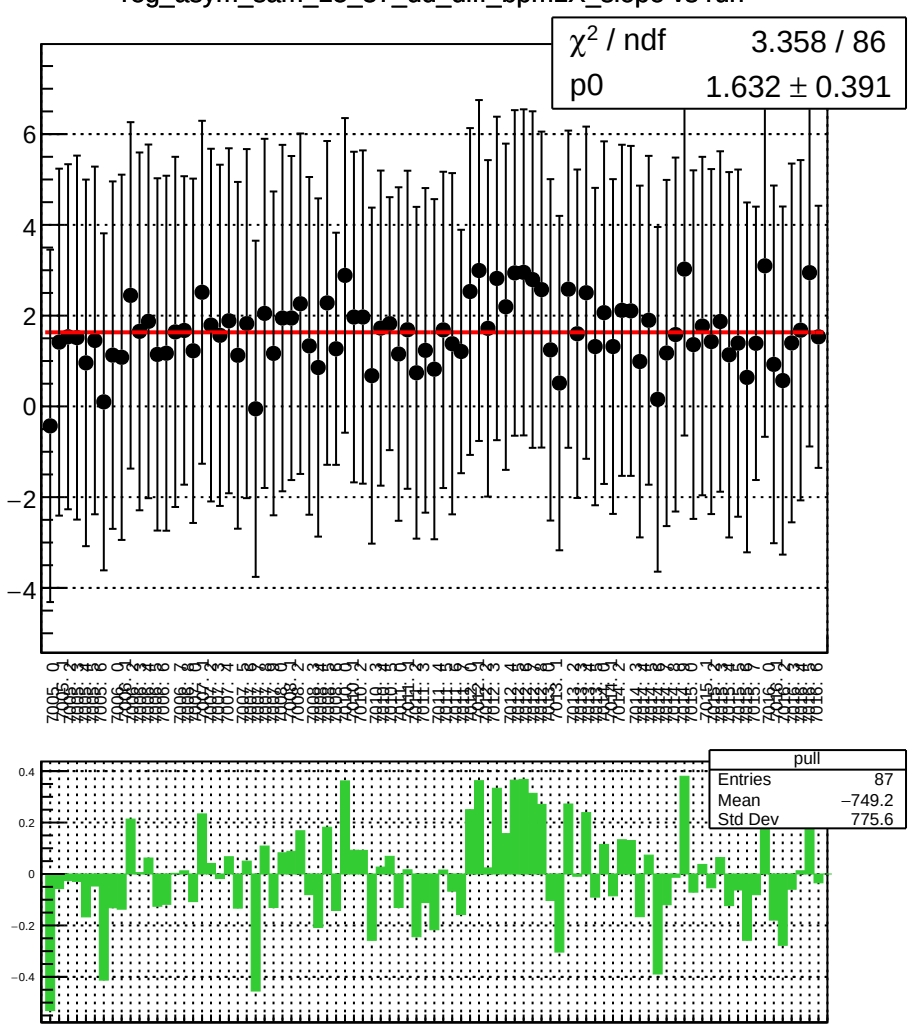

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.84 / 86
p0 −29.12 ± 0.2417
pull
Entries 87
Mean −7478
Std Dev 7519

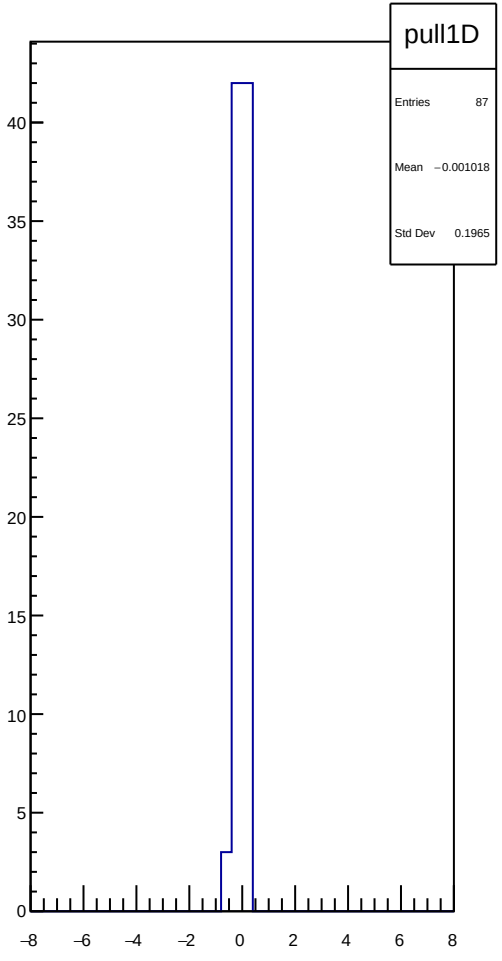

pull1D
Entries 87
Mean 0.0005232
Std Dev 0.2804

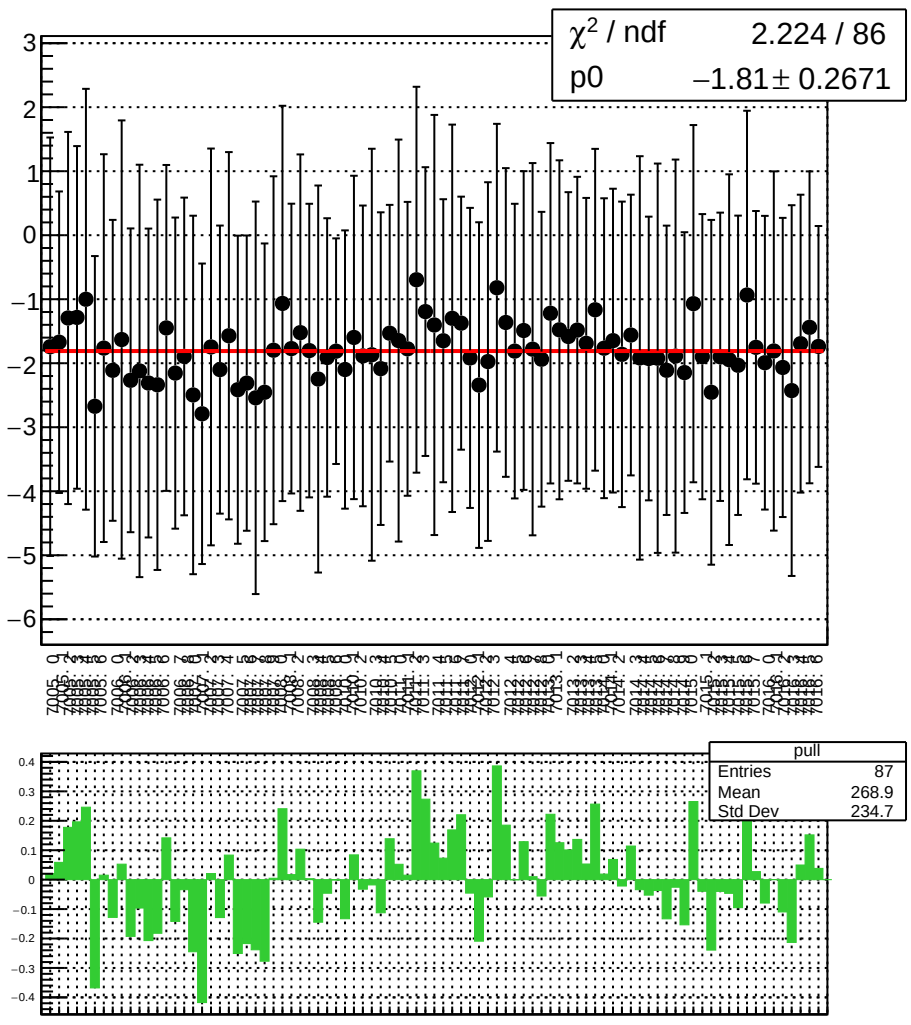

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.884 / 86
p0 −11.88 ± 0.3262
pull
Entries 87
Mean −945.9
Std Dev 962.4
pull1D
Entries 87
Mean −0.001324
Std Dev 0.2601

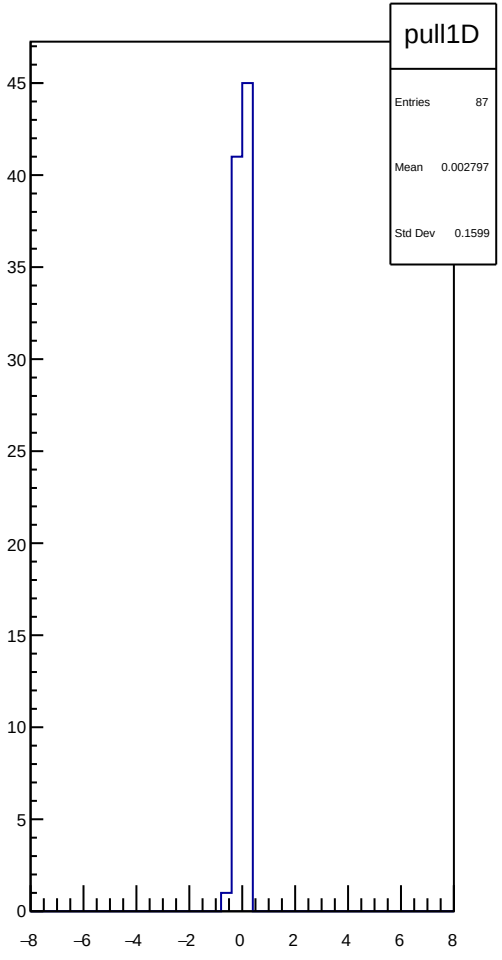

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.19 / 86
p0 −9.032 ± 0.254
pull
Entries 87
Mean −1.526e+04
Std Dev 1.53e+04
pull1D
Entries 87
Mean −0.0004279
Std Dev 0.3743

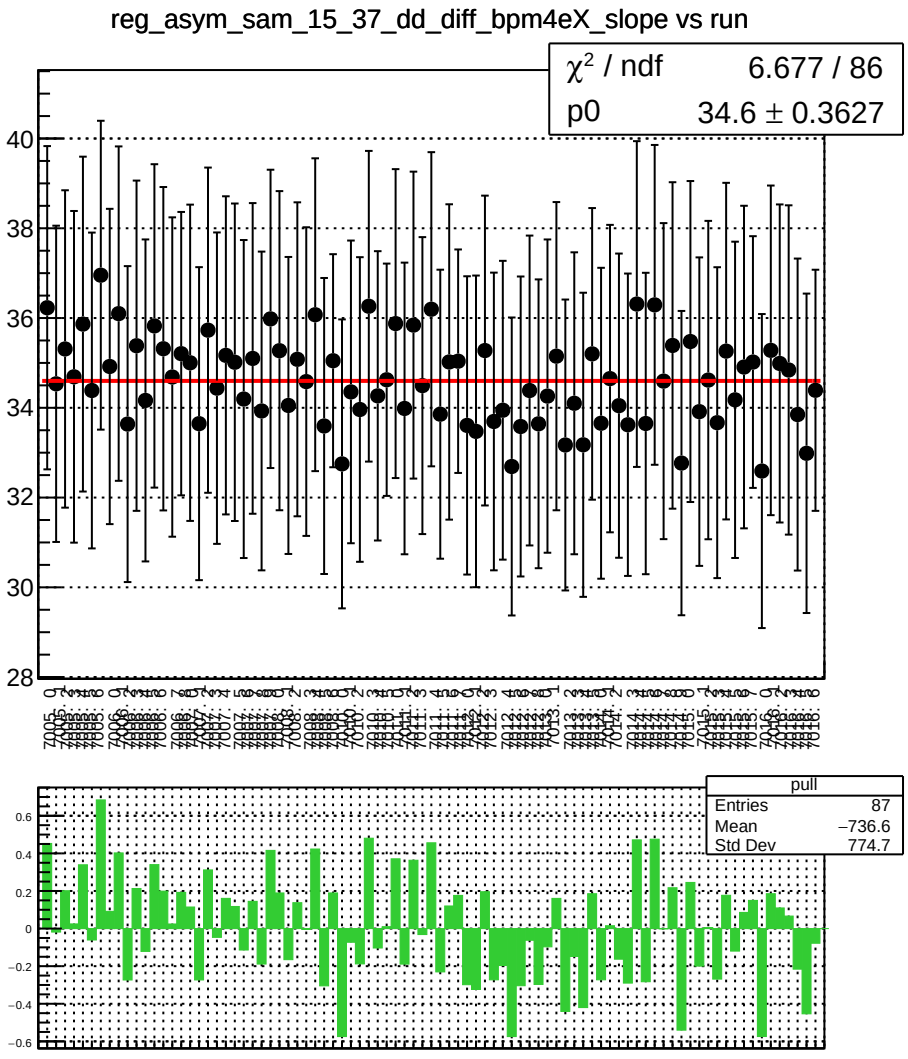

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 63.82 / 86
p0 0.1405 ± 0.01167
pull
Entries 87
Mean 443.5
Std Dev 396.7
pull1D
Entries 87
Mean 0.04195
Std Dev 0.8555

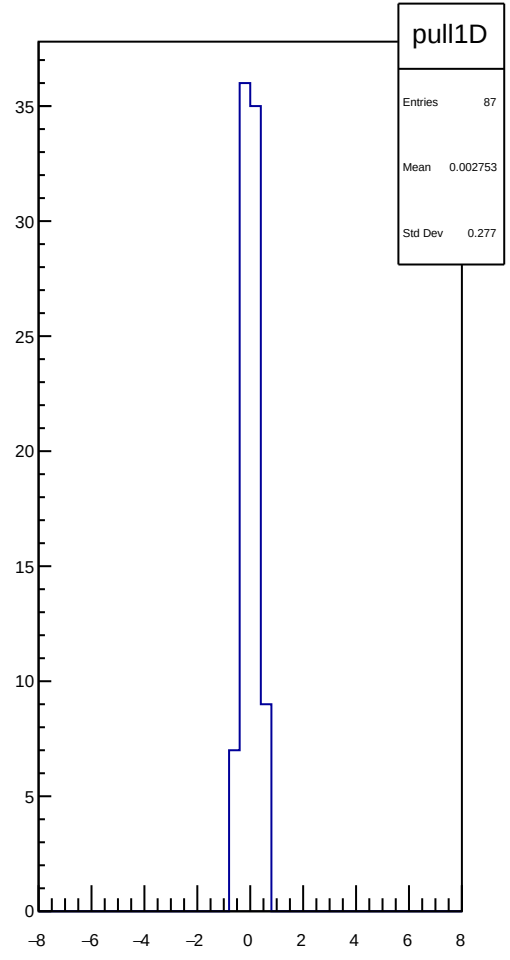

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.358 / 86
p0 1.632 ± 0.391
pull
Entries 87
Mean −749.2
Std Dev 775.6

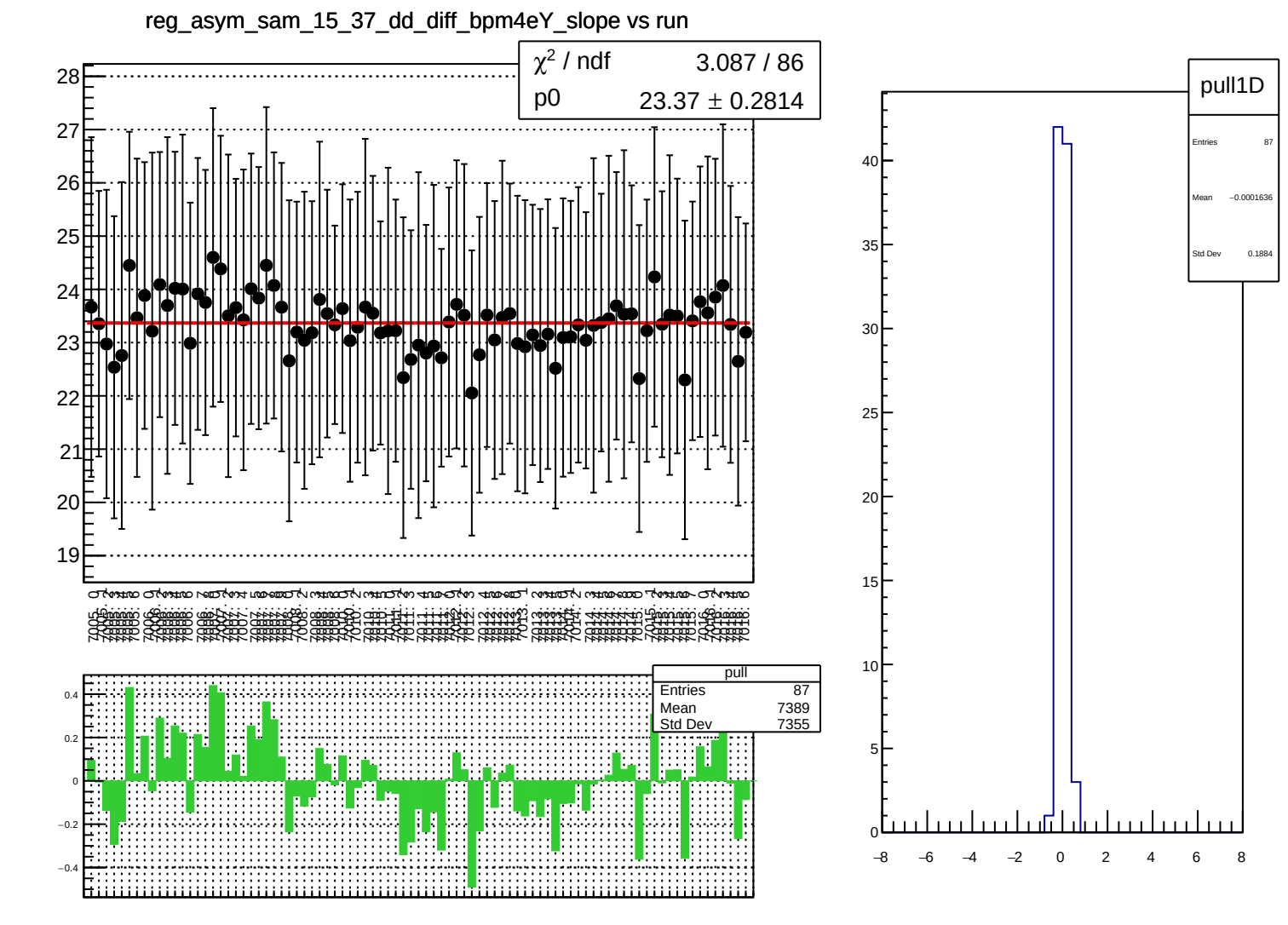

pull1D
Entries 87
Mean −0.001018
Std Dev 0.1965

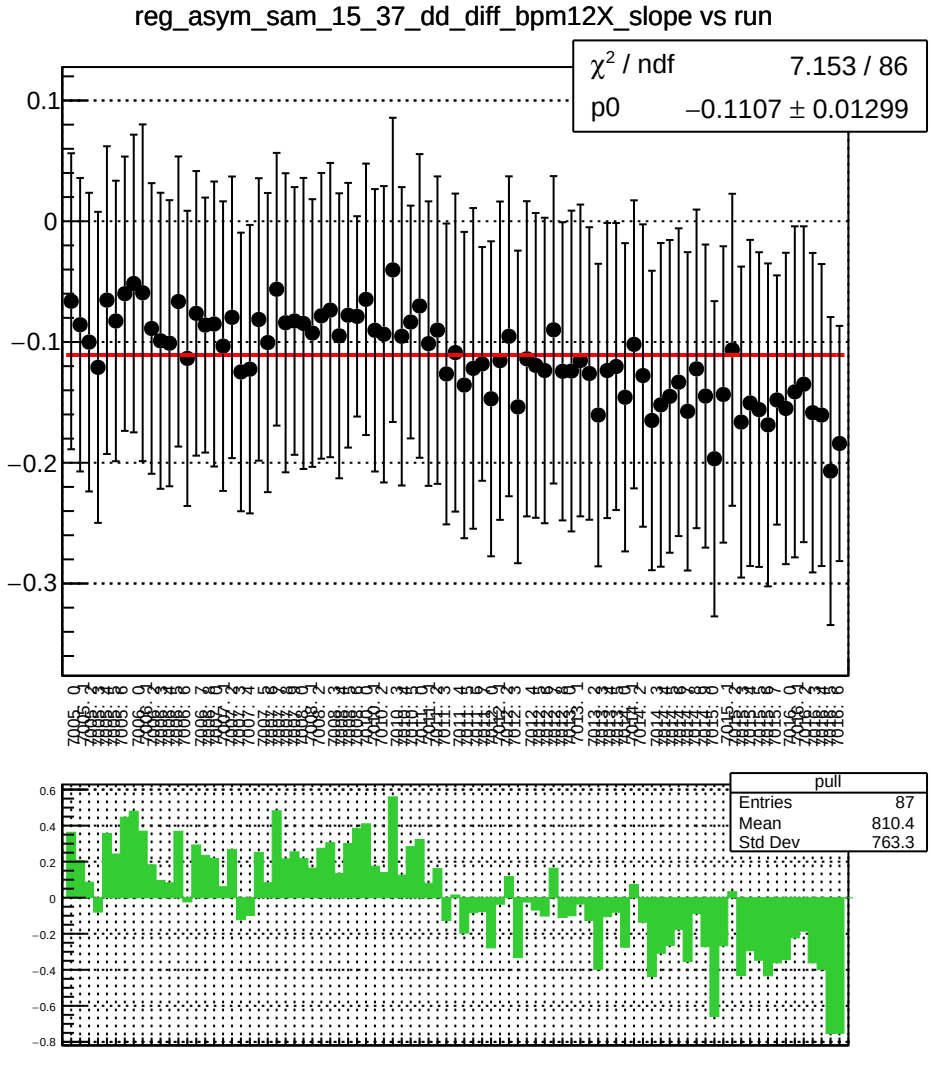

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.224 / 86
p0 −1.81 ± 0.2671
pull
Entries 87
Mean 268.9
Std Dev 234.7

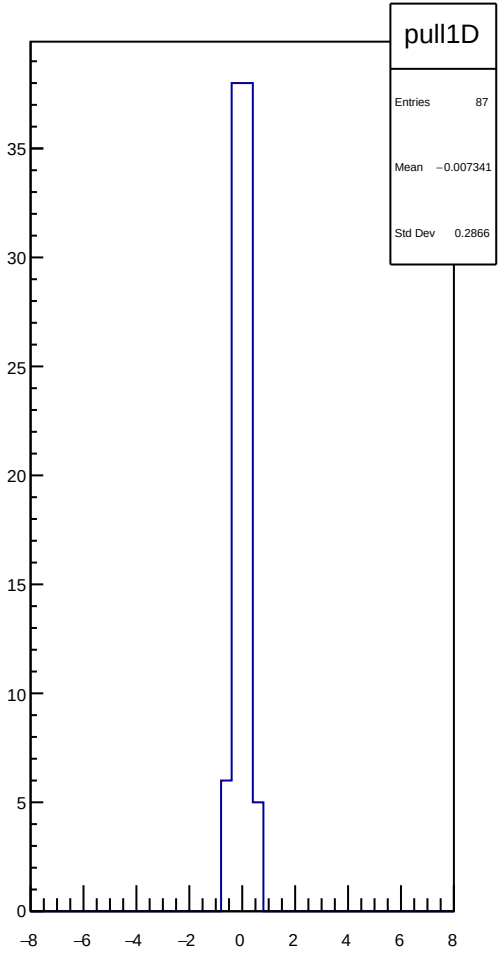

pull1D
Entries 87
Mean 0.002797
Std Dev 0.1599

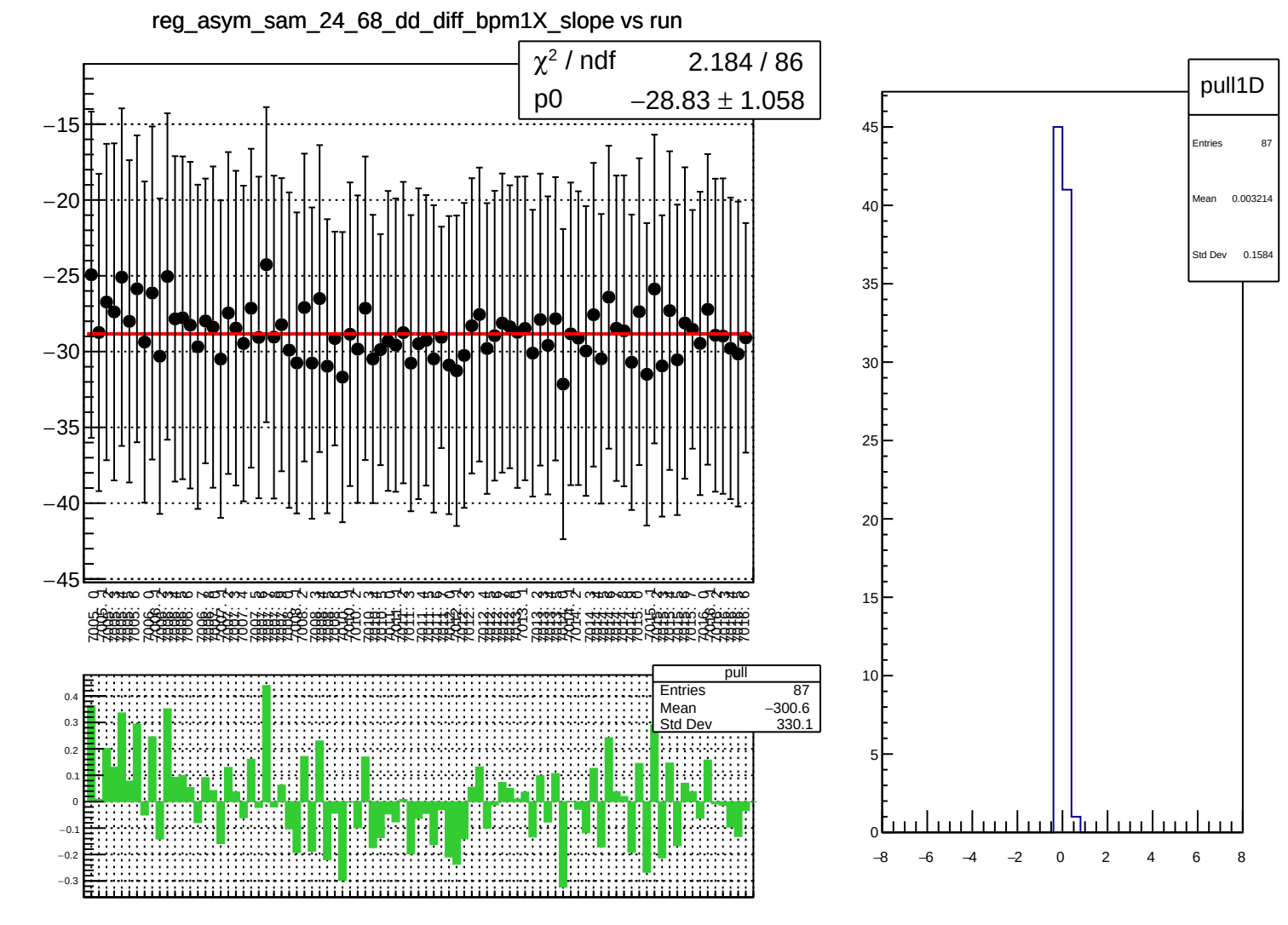

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.677 / 86
p0 34.6 ± 0.3627
pull
Entries 87
Mean −736.6
Std Dev 774.7

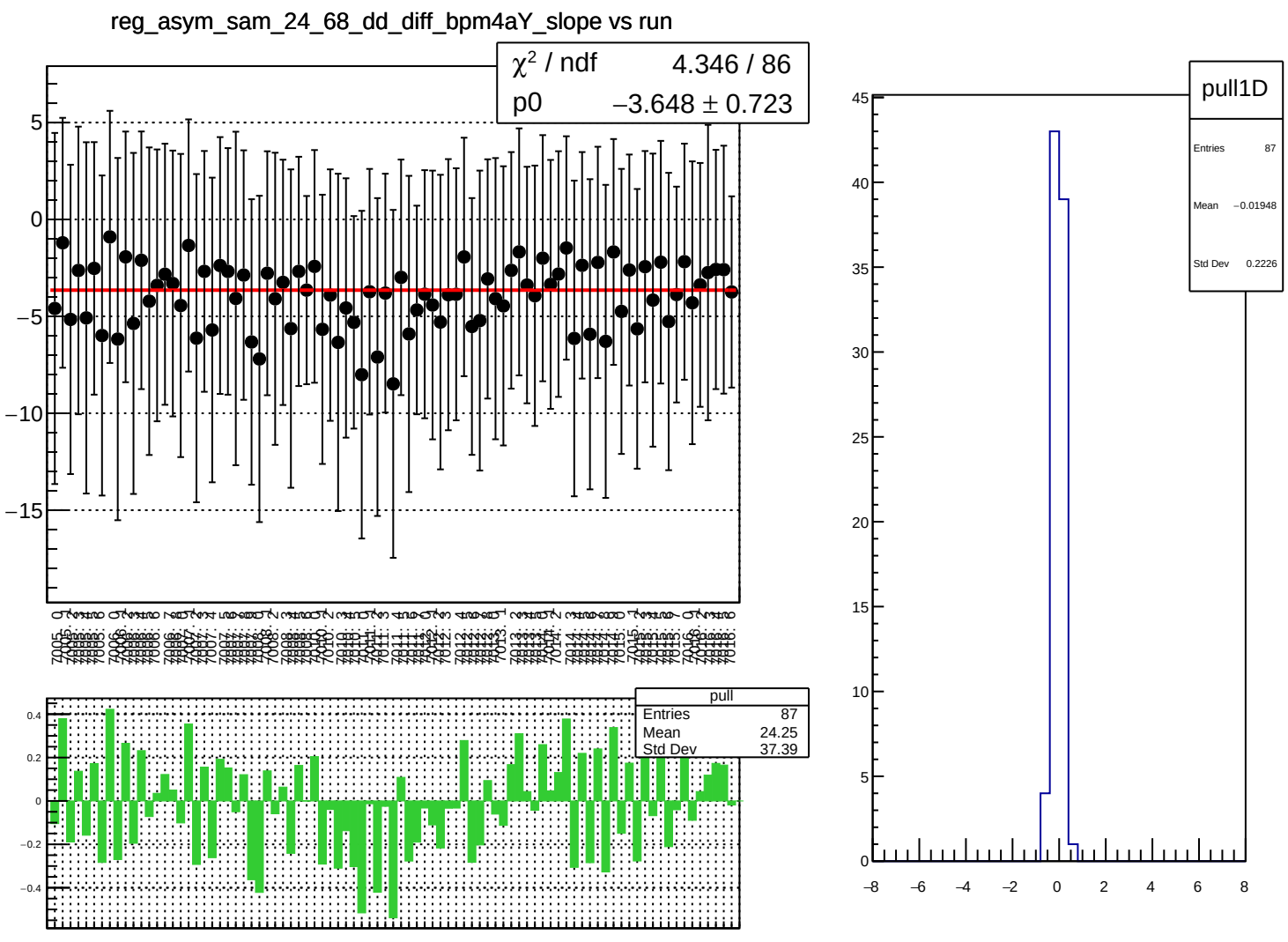

pull1D
Entries 87
Mean 0.002753
Std Dev 0.277

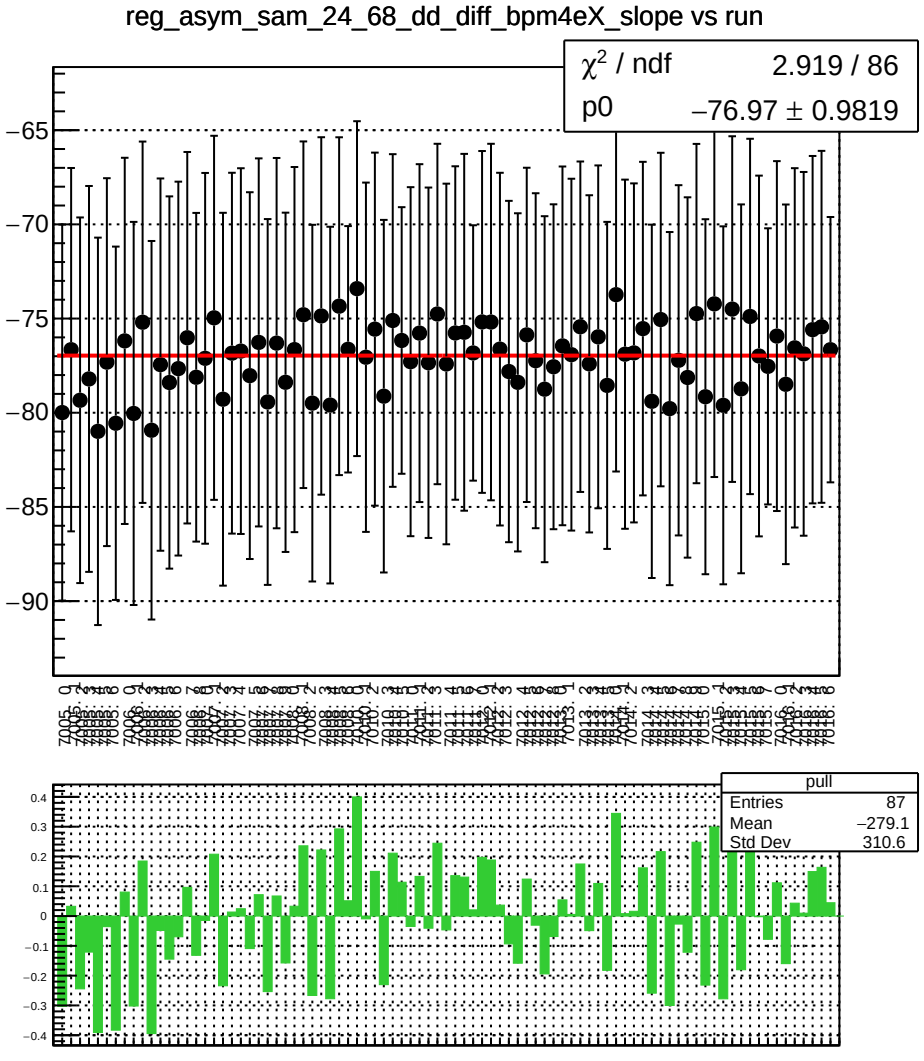

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.087 / 86
p0 23.37 ± 0.2814
pull
Entries 87
Mean 7389
Std Dev 7355
pull1D
Entries 87
Mean −0.0001636
Std Dev 0.1884

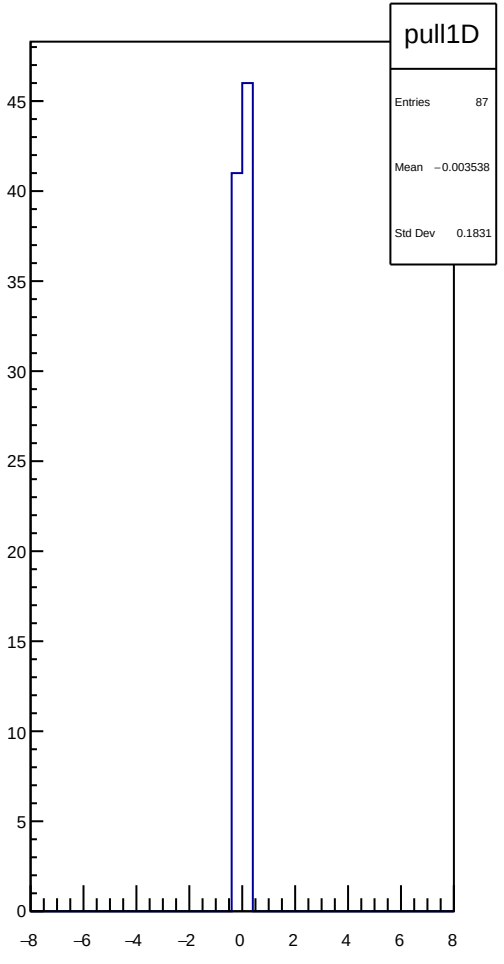

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.153 / 86
p0 −0.1107 ± 0.01299
pull
Entries 87
Mean 810.4
Std Dev 763.3

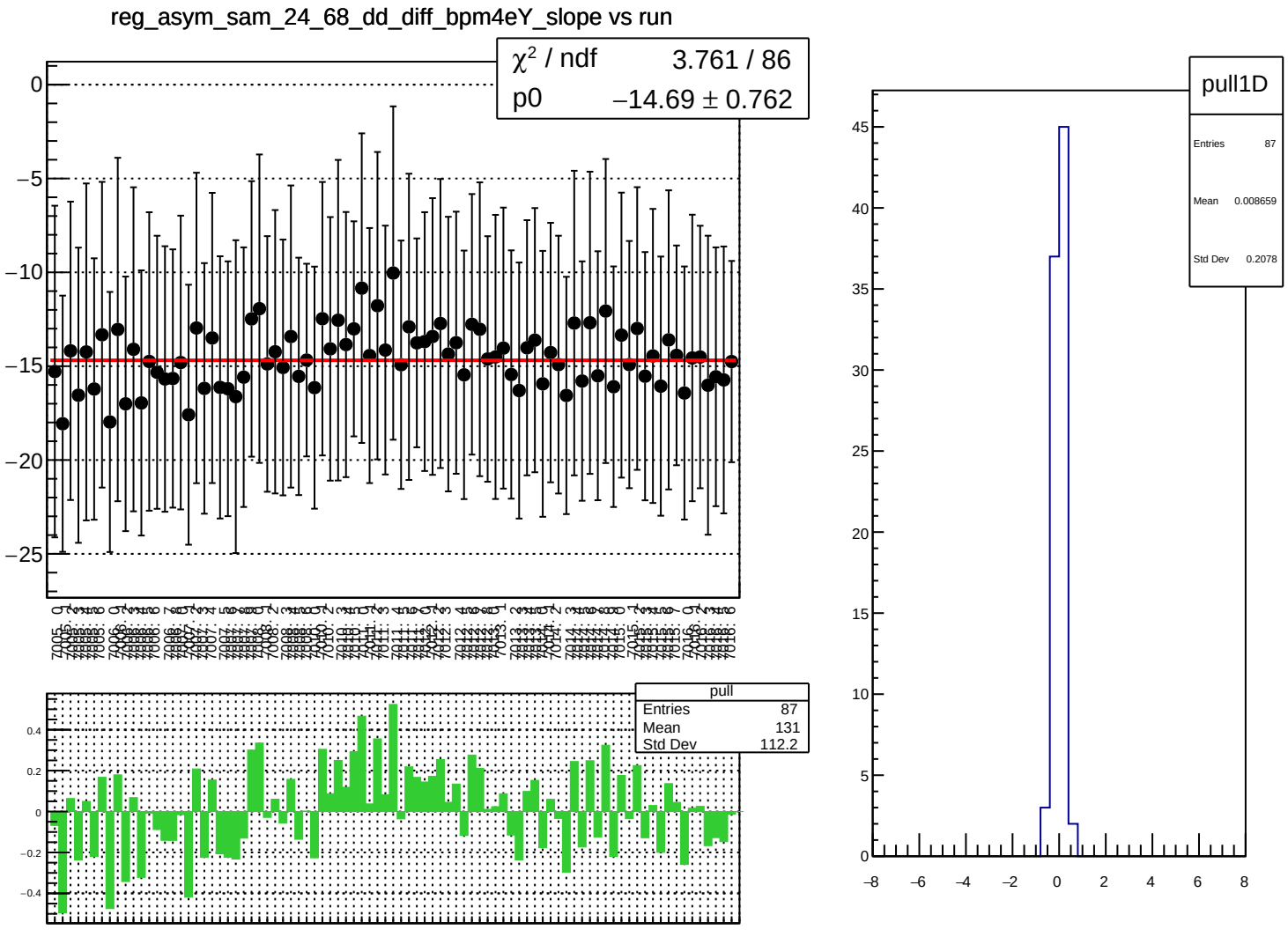

pull1D
Entries 87
Mean −0.007341
Std Dev 0.2866

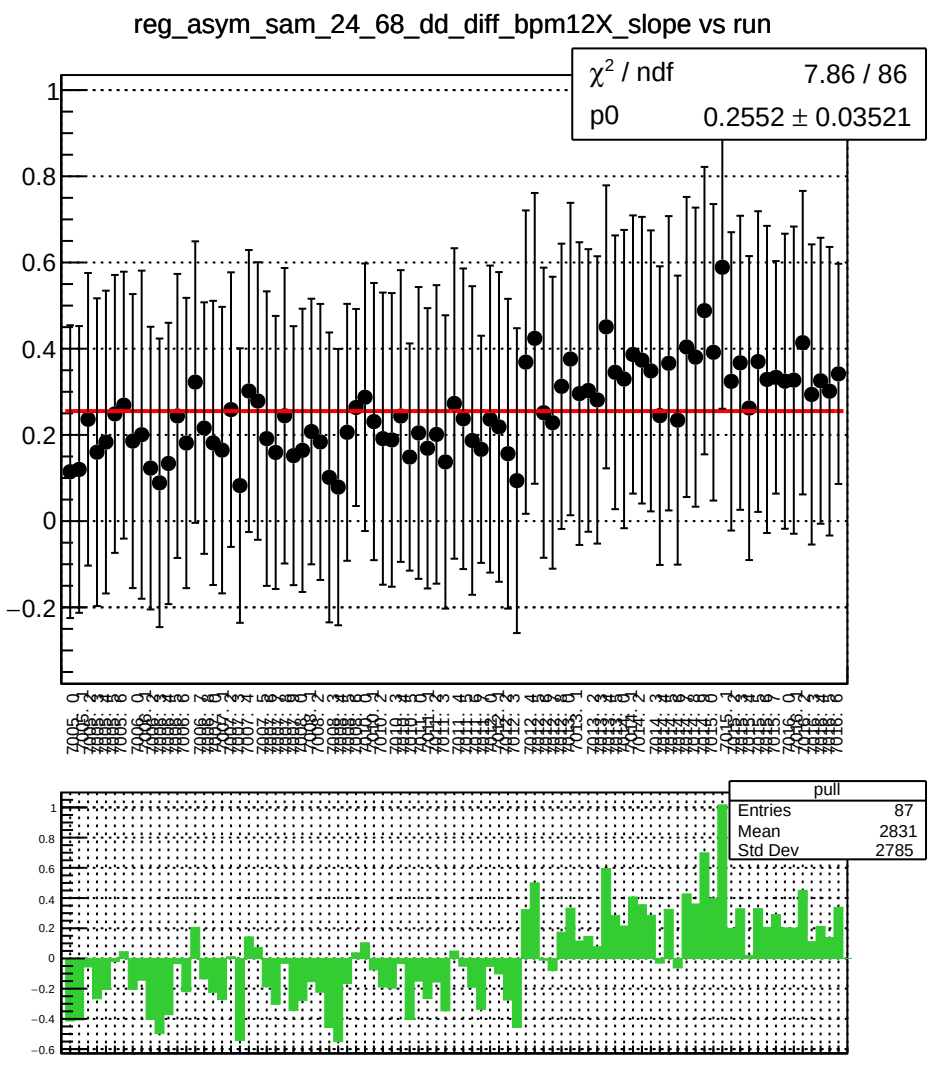

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.184 / 86
p0 −28.83 ± 1.058
pull
Entries 87
Mean −300.6
Std Dev 330.1
pull1D
Entries 87
Mean 0.003214
Std Dev 0.1584

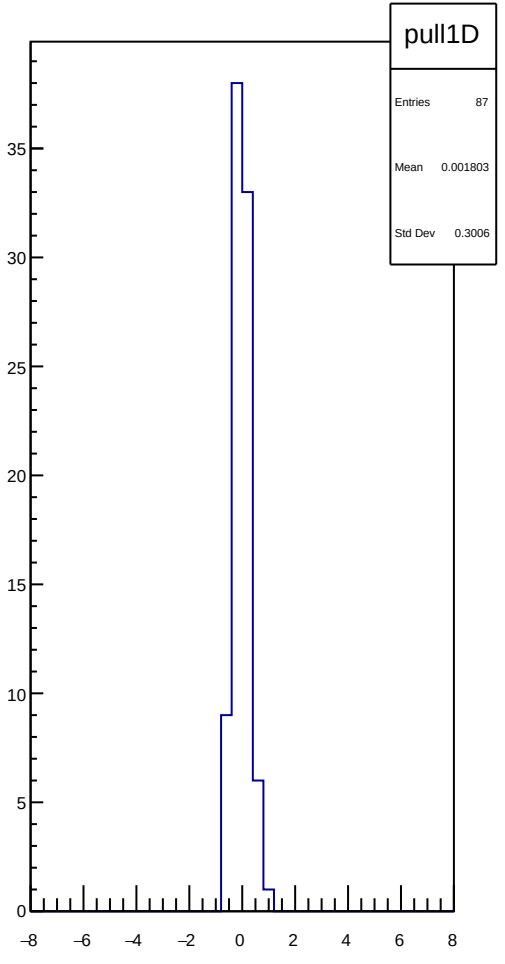

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.346 / 86
p0 −3.648 ± 0.723
pull
Entries 87
Mean 24.25
Std Dev 37.39
pull1D
Entries 87
Mean −0.01948
Std Dev 0.2226

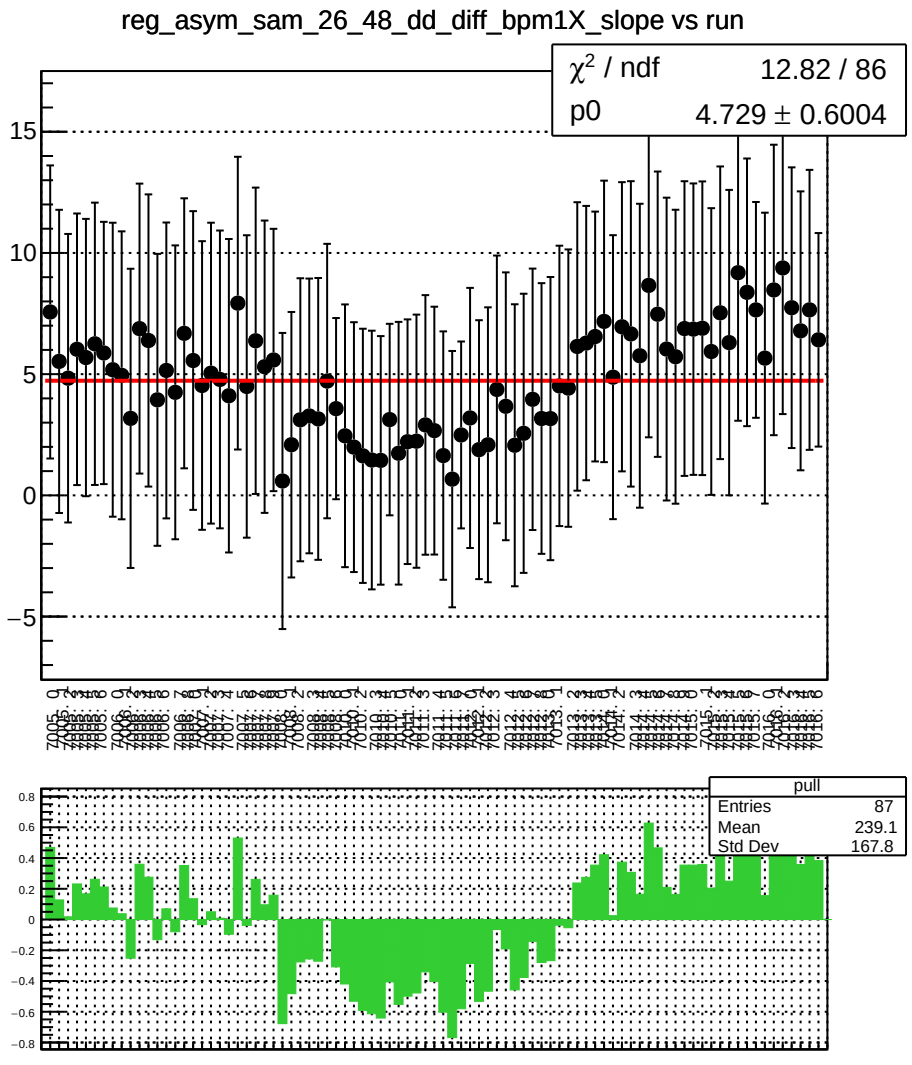

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.919 / 86
p0 −76.97 ± 0.9819
pull
Entries 87
Mean −279.1
Std Dev 310.6

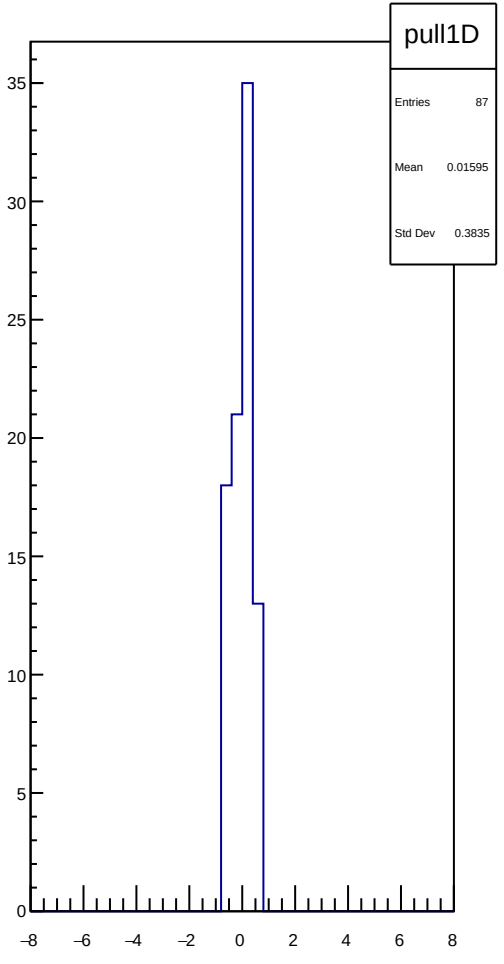

pull1D
Entries 87
Mean −0.003538
Std Dev 0.1831

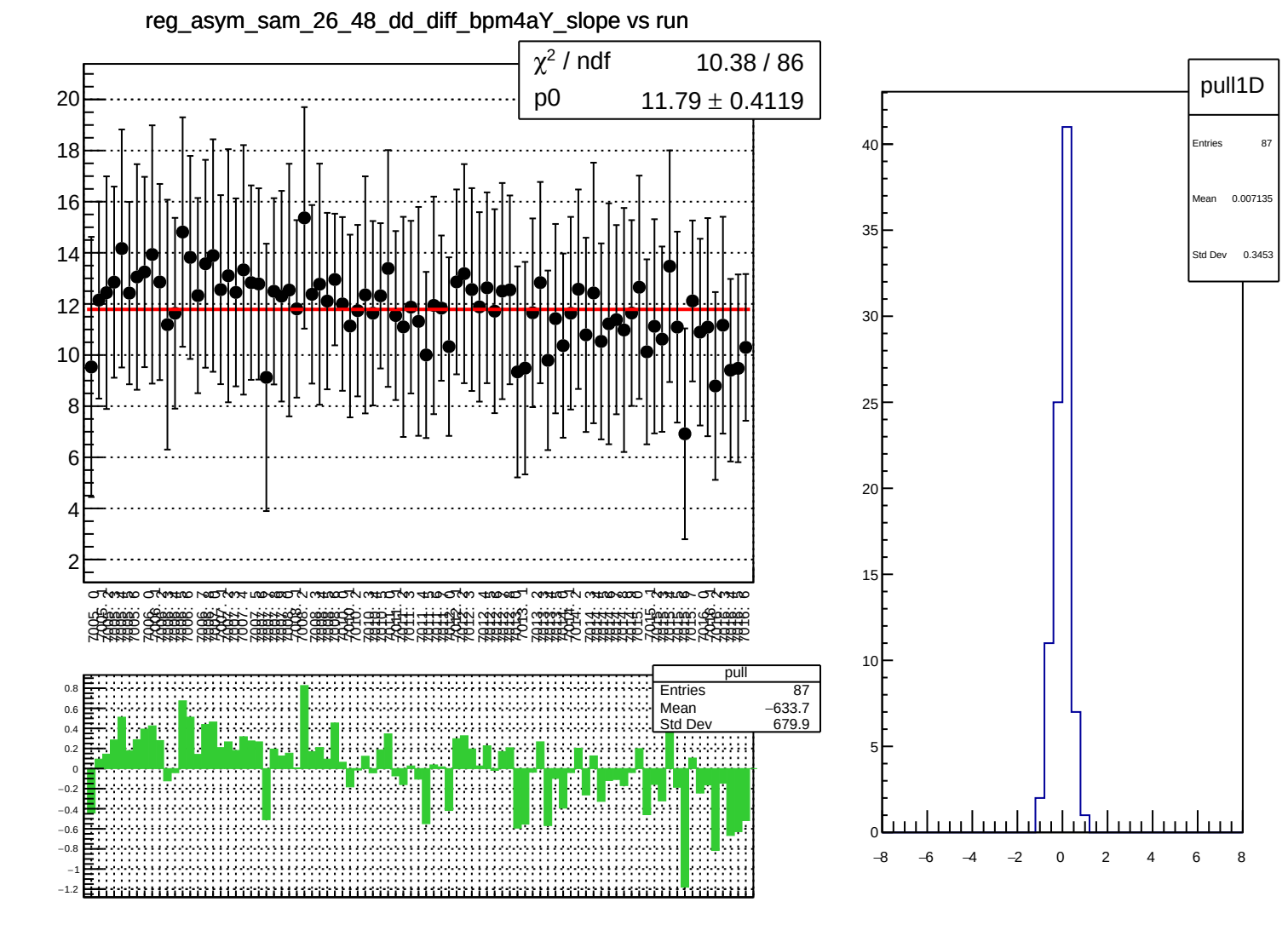

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.761 / 86
p0 −14.69 ± 0.762
pull
Entries 87
Mean 131
Std Dev 112.2
pull1D
Entries 87
Mean 0.008659
Std Dev 0.2078

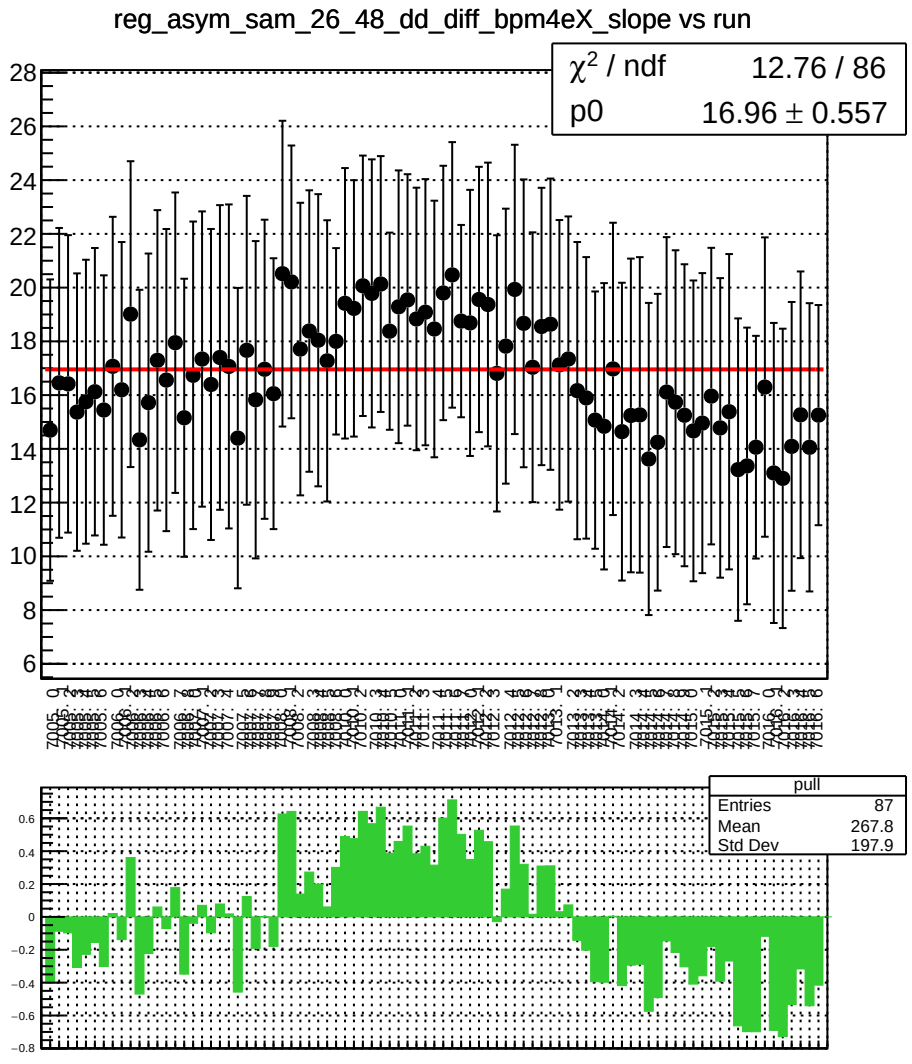

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 7.86 / 86
p0 0.2552 ± 0.03521
pull
Entries 87
Mean 2831
Std Dev 2785

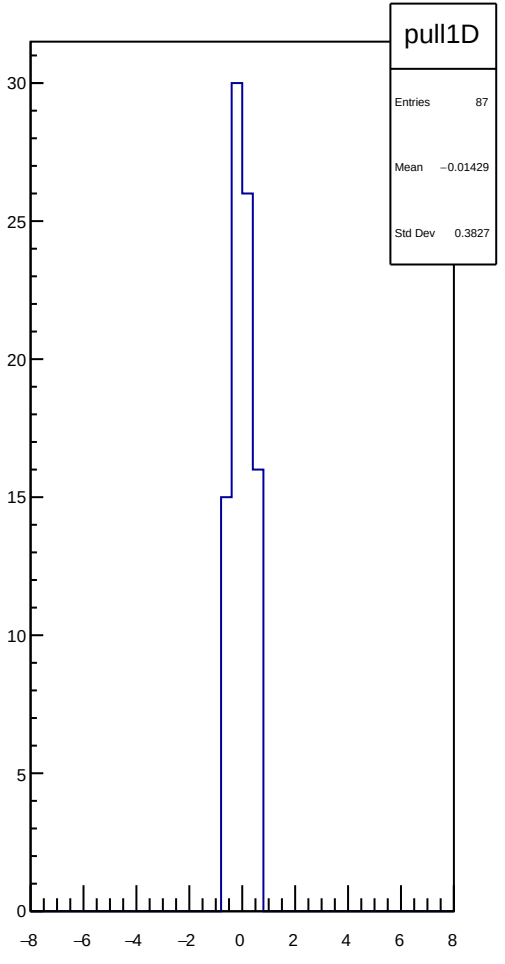

pull1D
Entries 87
Mean 0.001803
Std Dev 0.3006

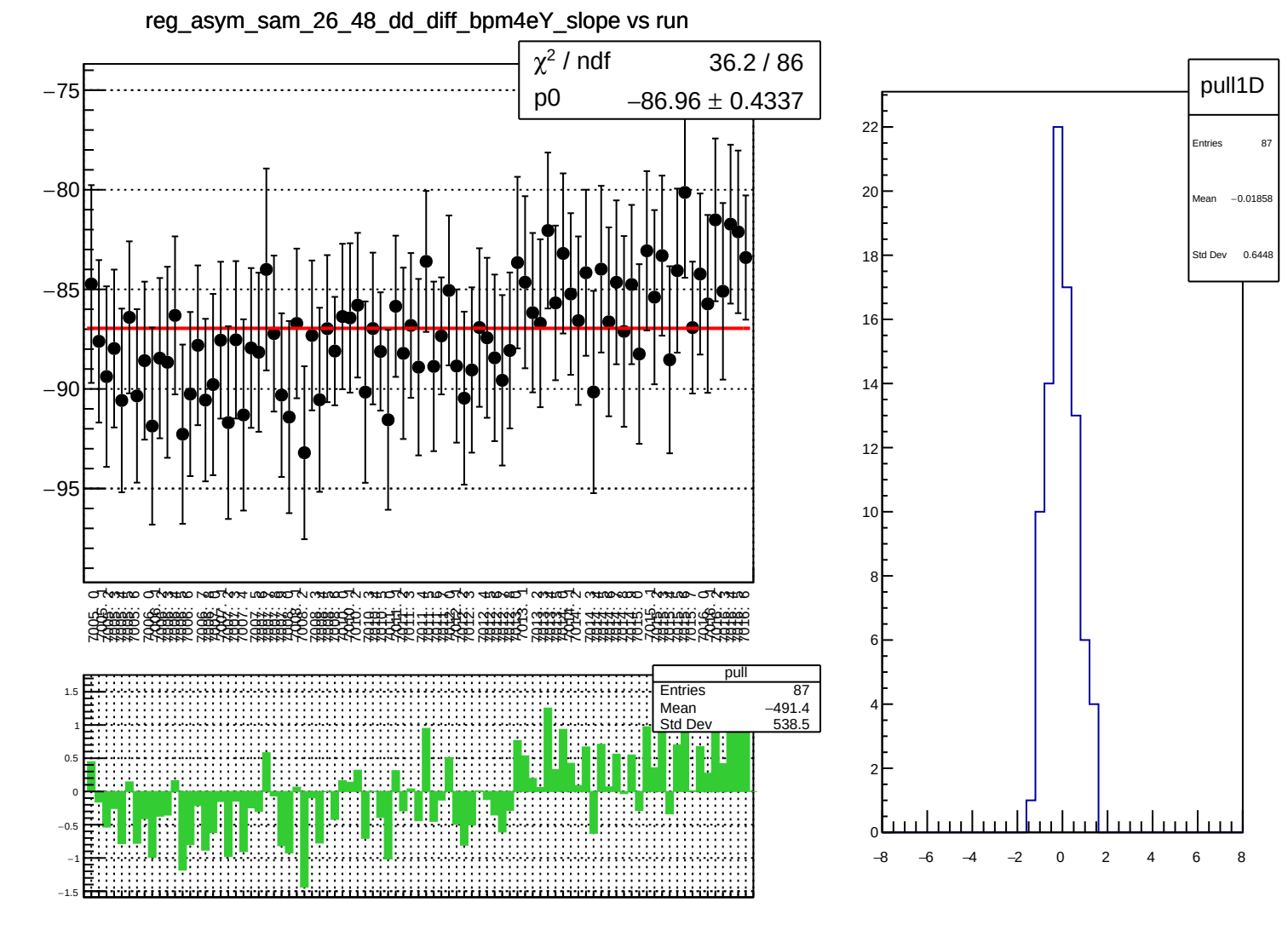

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.82 / 86
p0 4.729 ± 0.6004
pull
Entries 87
Mean 239.1
Std Dev 167.8

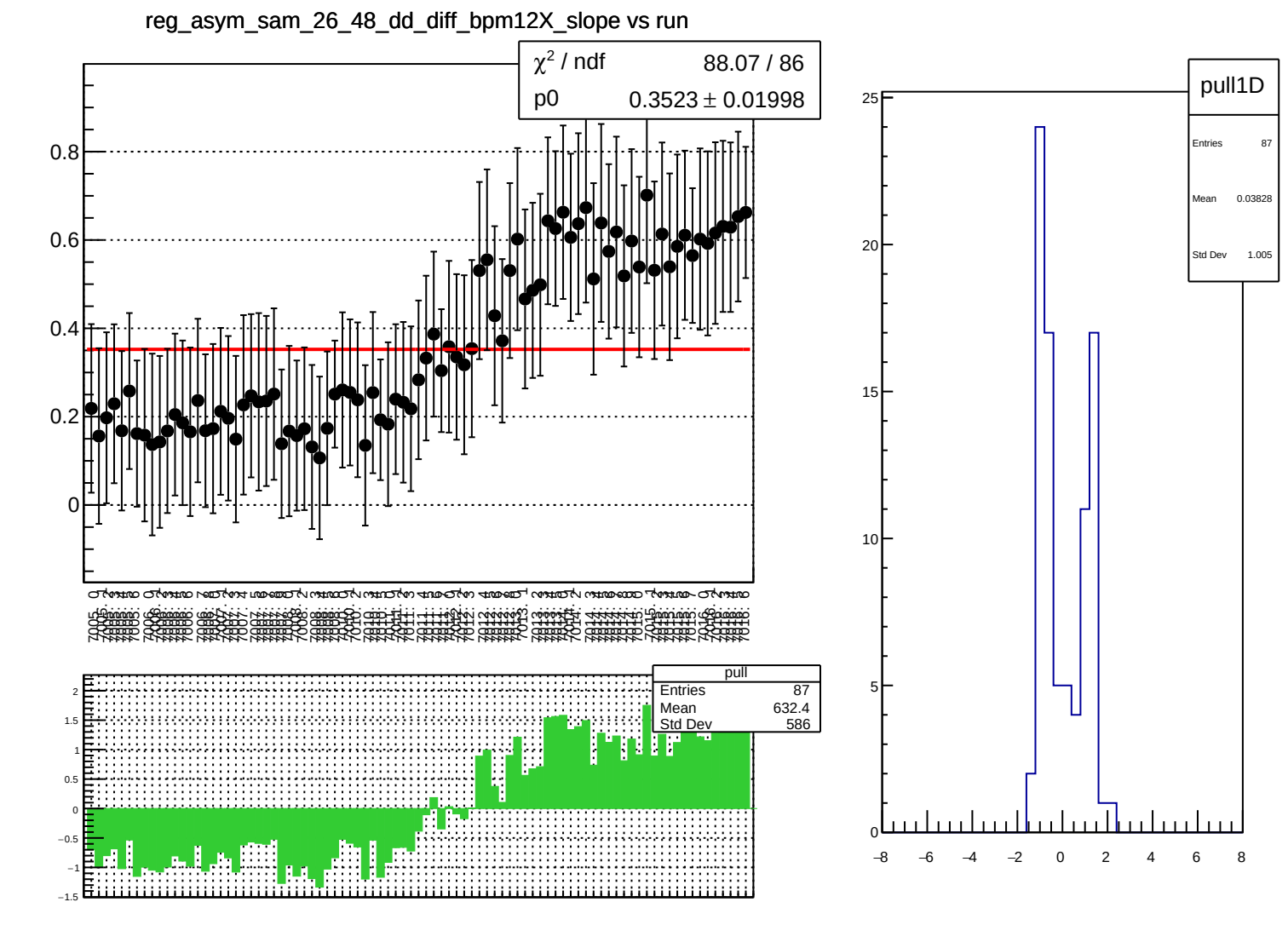

pull1D
Entries 87
Mean 0.01595
Std Dev 0.3835

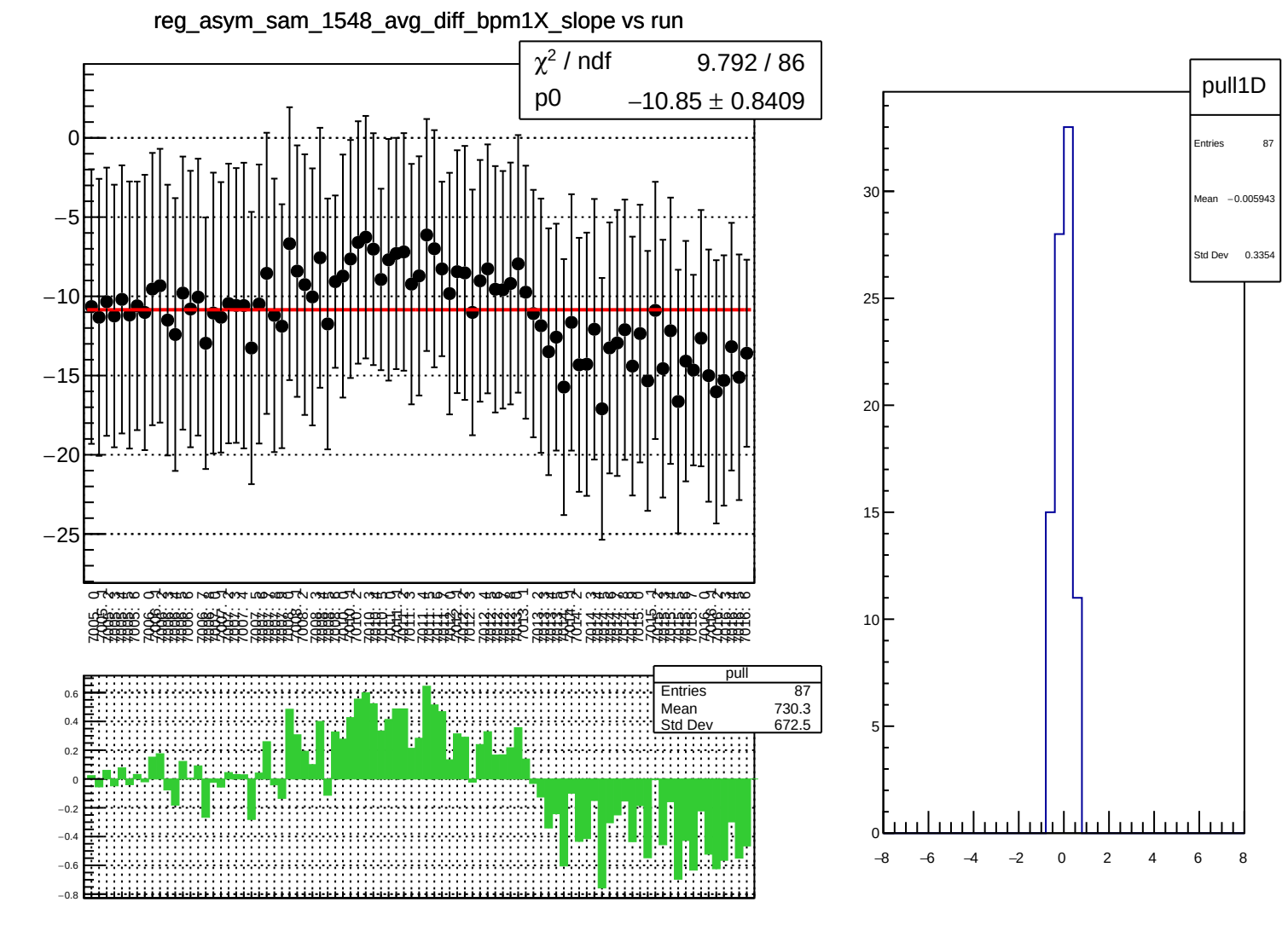

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.38 / 86
p0 11.79 ± 0.4119
pull
Entries 87
Mean −633.7
Std Dev 679.9
pull1D
Entries 87
Mean 0.007135
Std Dev 0.3453

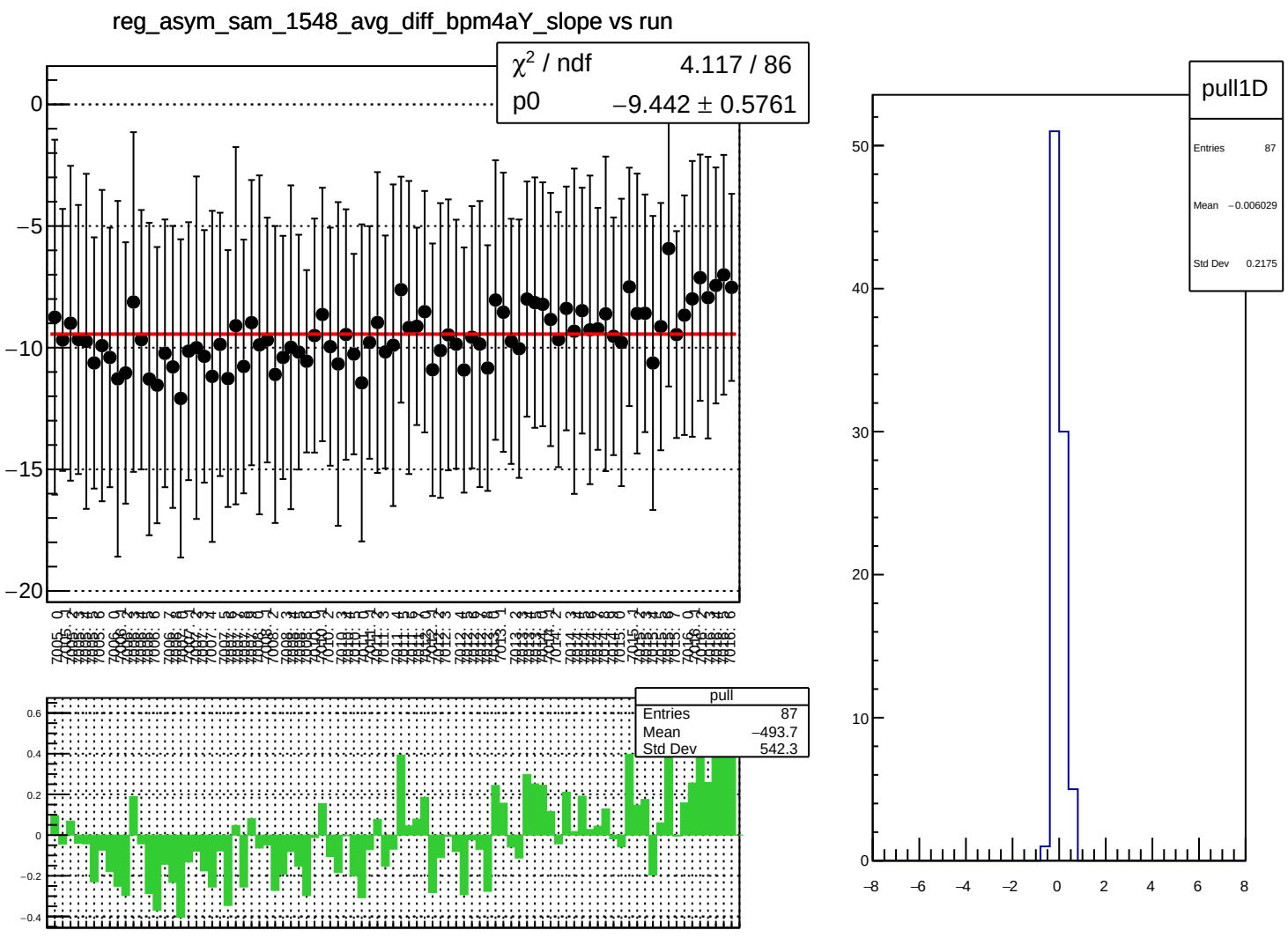

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.76 / 86
p0 16.96 ± 0.557
pull
Entries 87
Mean 267.8
Std Dev 197.9

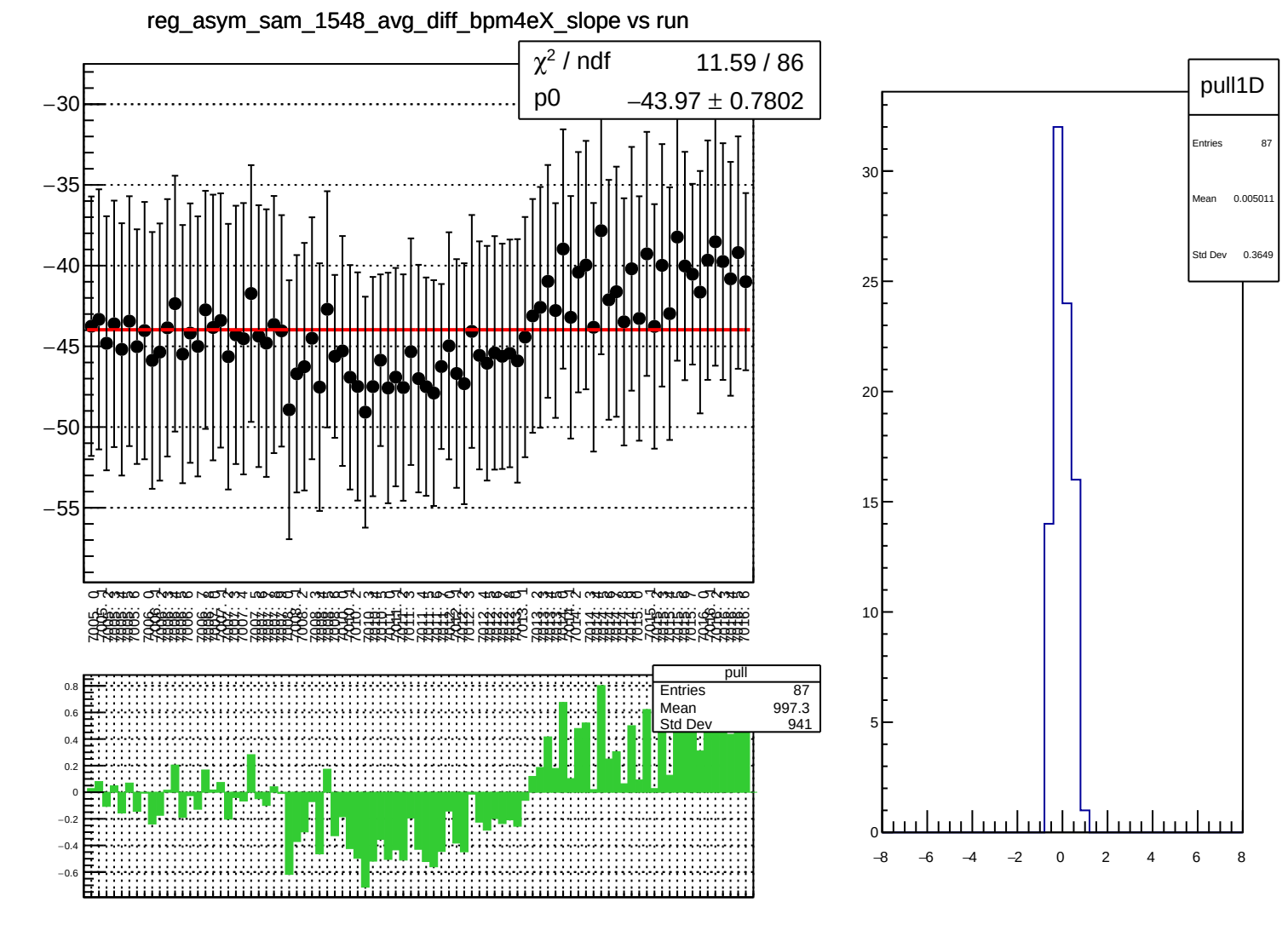

pull1D
Entries 87
Mean −0.01429
Std Dev 0.3827

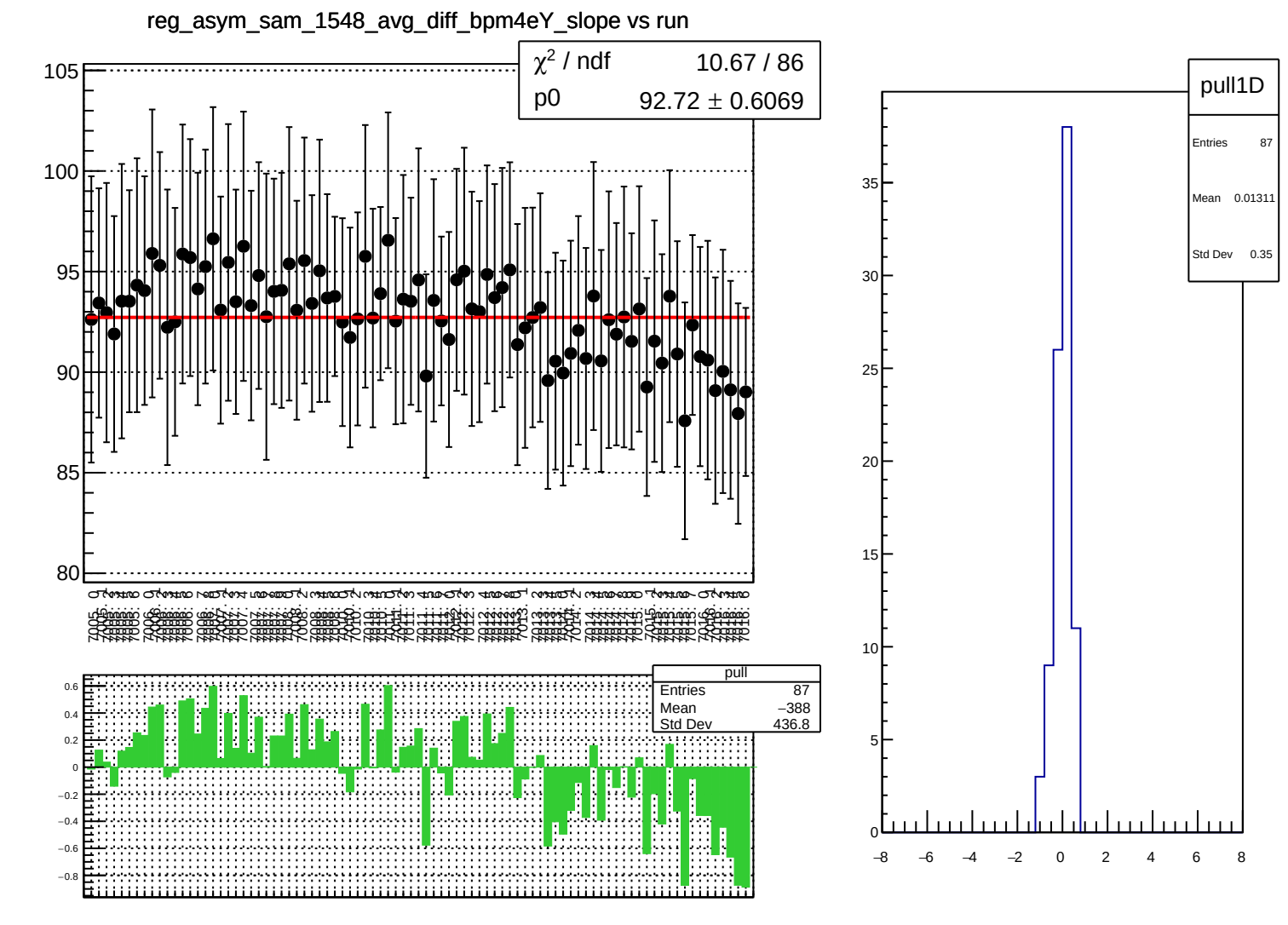

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.2 / 86
p0 −86.96 ± 0.4337
pull
Entries 87
Mean −491.4
Std Dev 538.5
pull1D
Entries 87
Mean −0.01858
Std Dev 0.6448

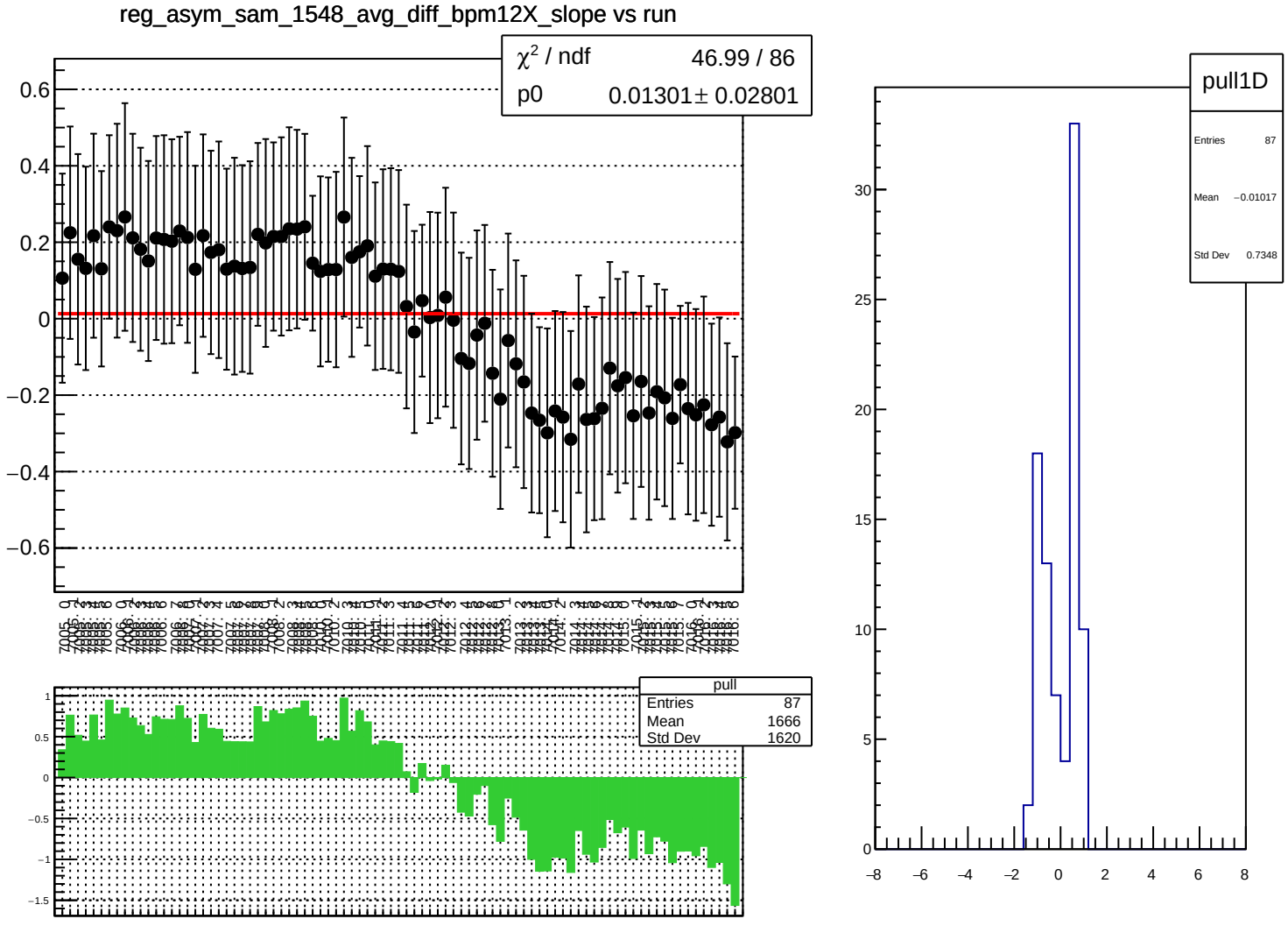

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 88.07 / 86
p0 0.3523 ± 0.01998
pull
Entries 87
Mean 632.4
Std Dev 586
pull1D
Entries 87
Mean 0.03828
Std Dev 1.005

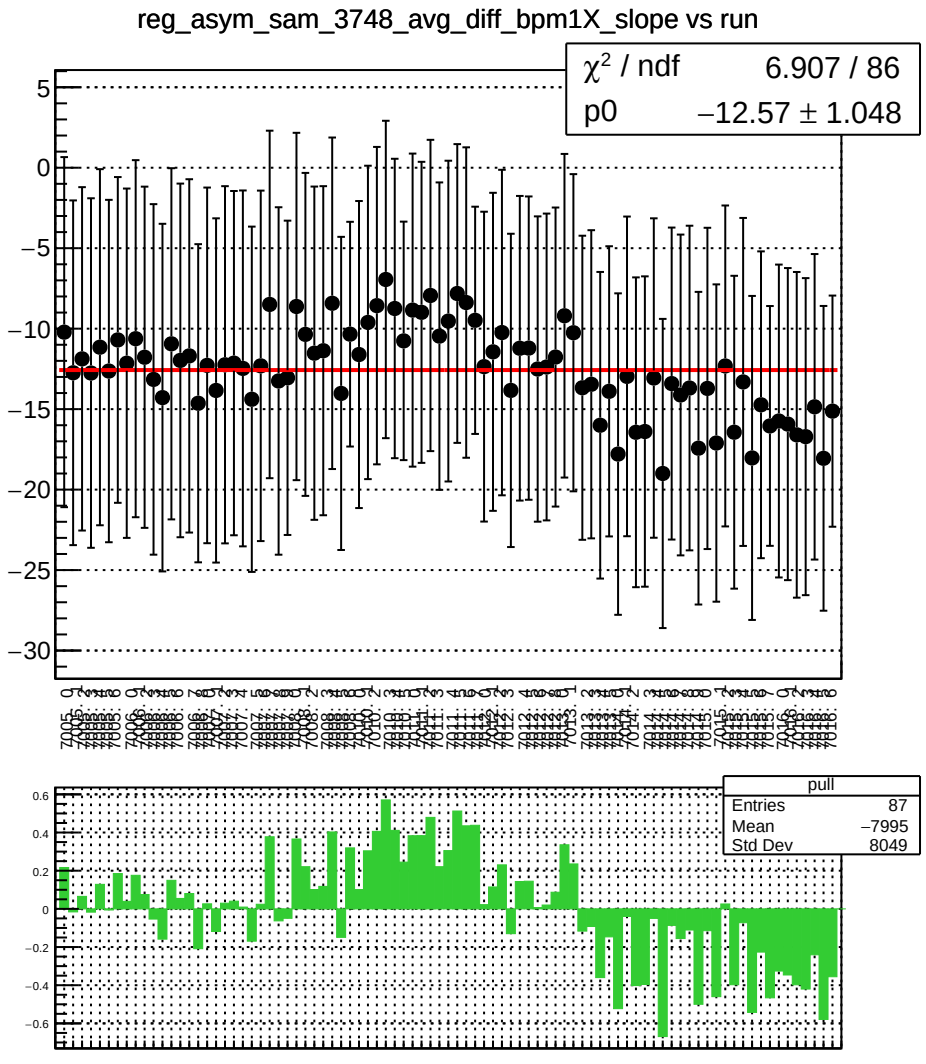

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 9.792 / 86
p0 −10.85 ± 0.8409
pull
Entries 87
Mean 730.3
Std Dev 672.5
pull1D
Entries 87
Mean −0.005943
Std Dev 0.3354

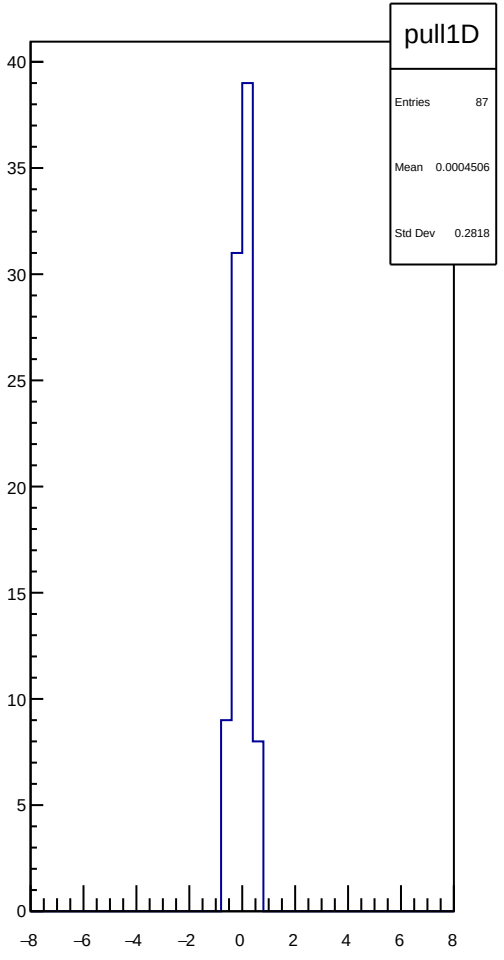

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.117 / 86
p0 −9.442 ± 0.5761
pull
Entries 87
Mean −493.7
Std Dev 542.3
pull1D
Entries 87
Mean −0.006029
Std Dev 0.2175

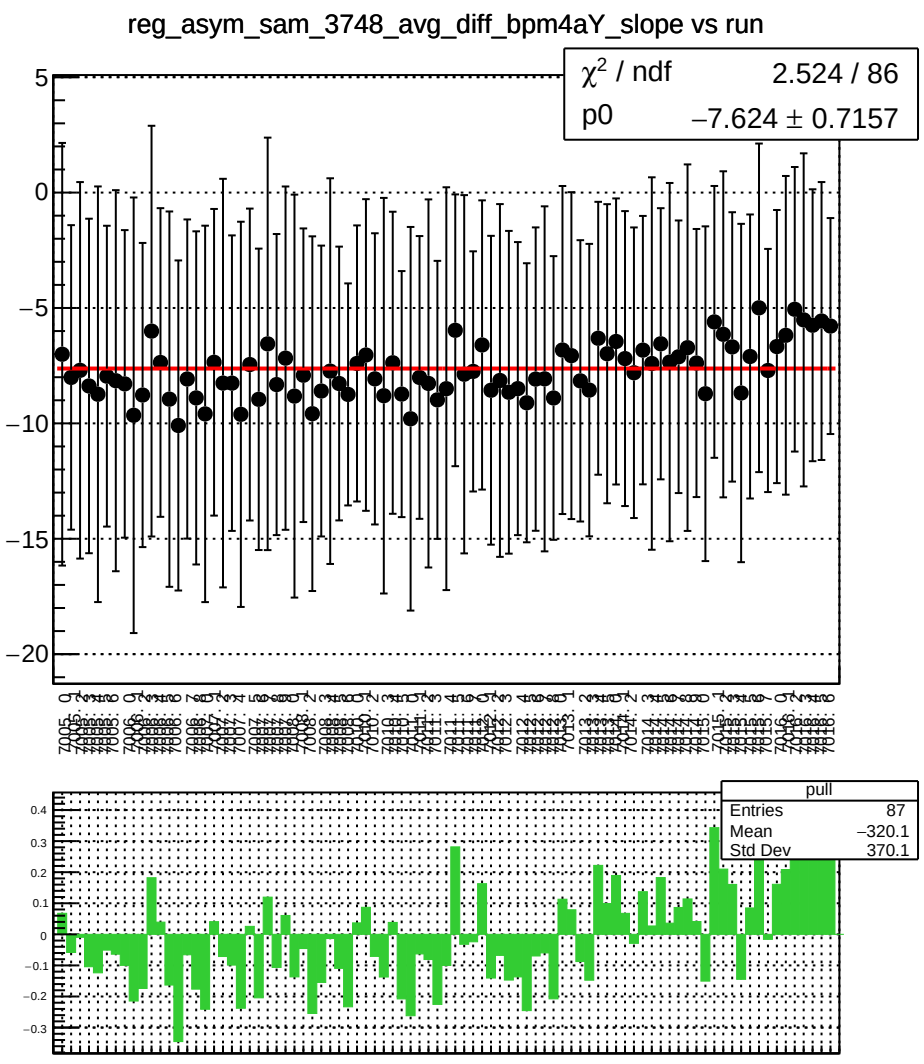

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.59 / 86
p0 −43.97 ± 0.7802
pull
Entries 87
Mean 997.3
Std Dev 941
pull1D
Entries 87
Mean 0.005011
Std Dev 0.3649

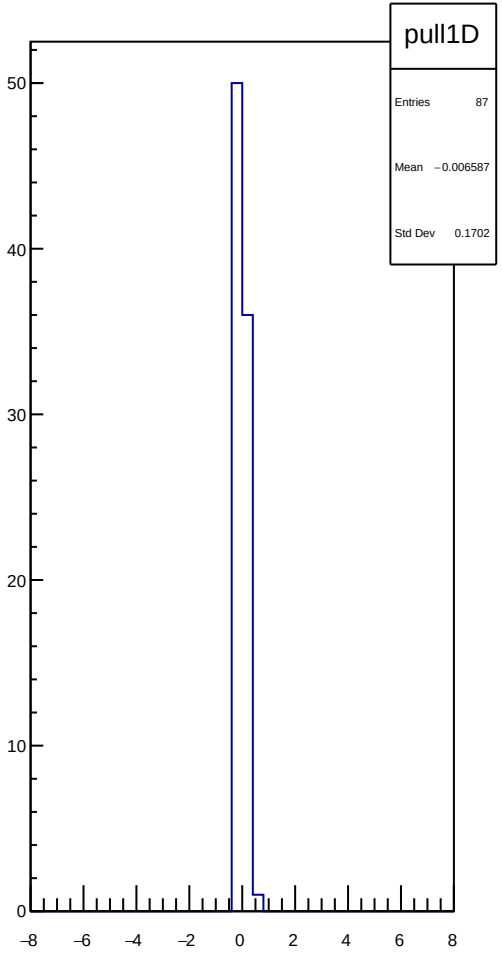

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.67 / 86
p0 92.72 ± 0.6069
105
100
95
90
85
80
pull
Entries 87
Mean −388
Std Dev 436.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01311
Std Dev 0.35
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

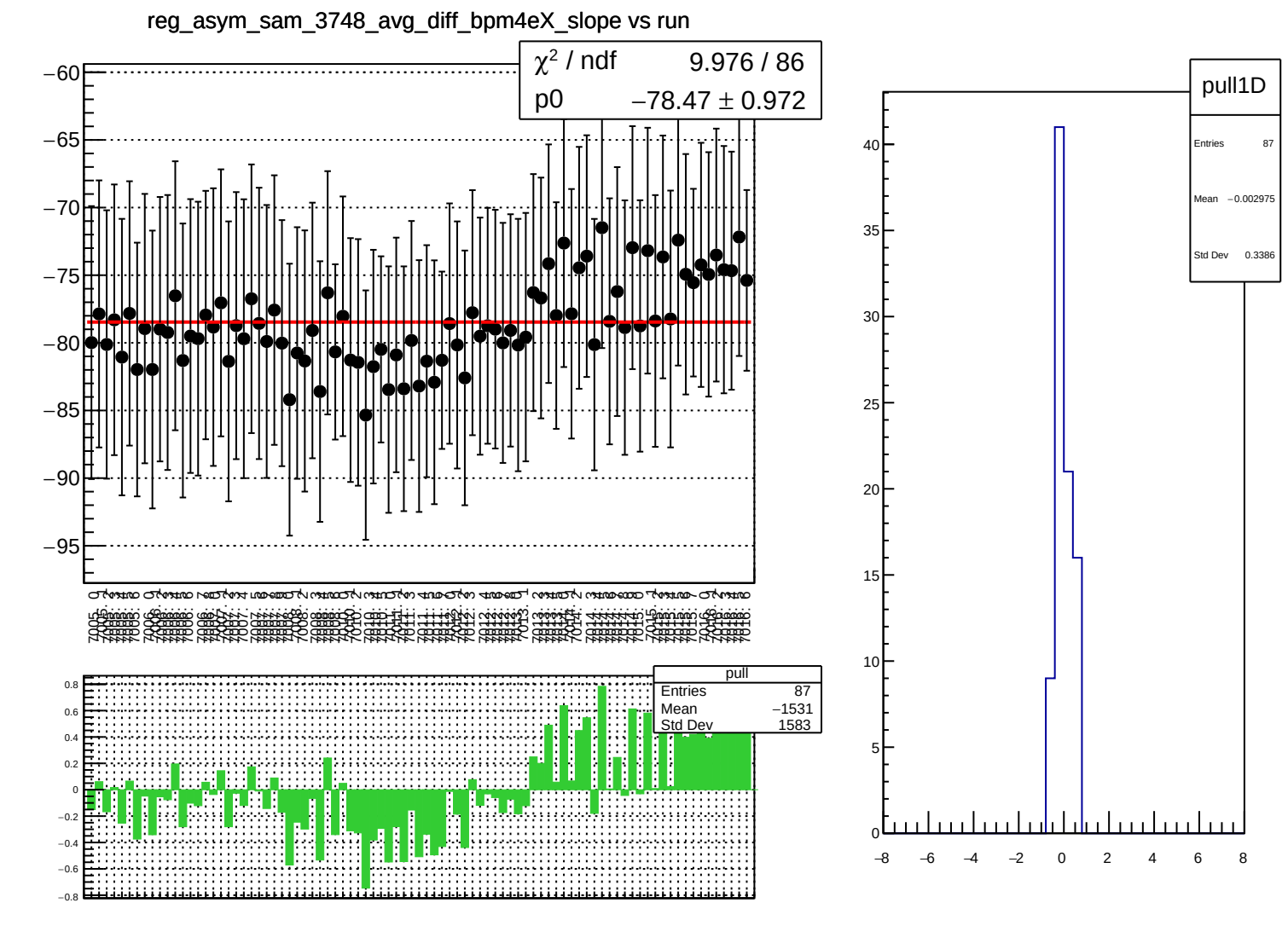

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 46.99 / 86
p0 0.01301± 0.02801
pull
Entries 87
Mean 1666
Std Dev 1620
pull1D
Entries 87
Mean −0.01017
Std Dev 0.7348

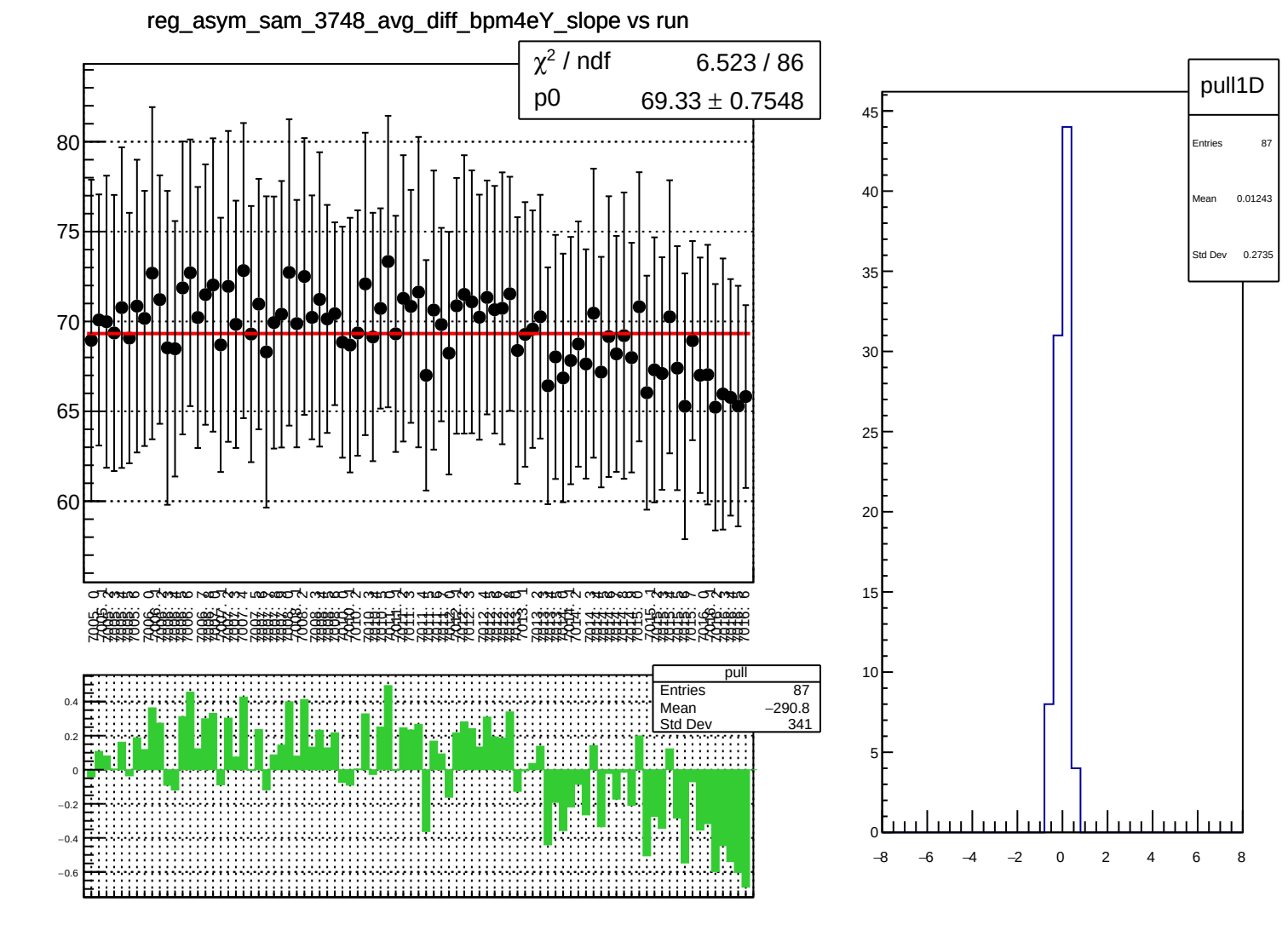

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 6.907 / 86
p0 −12.57 ± 1.048
pull
Entries 87
Mean −7995
Std Dev 8049

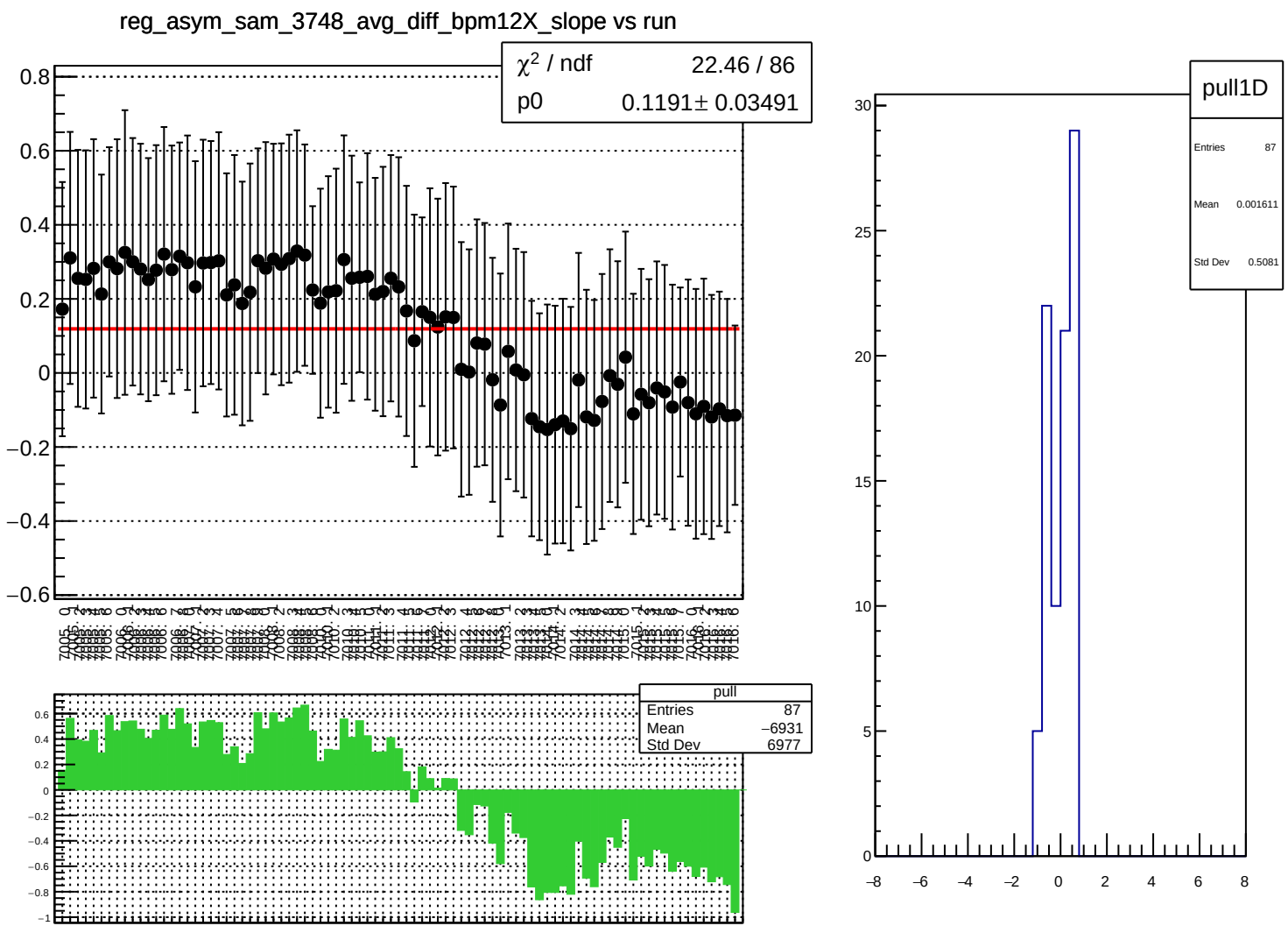

pull1D
Entries 87
Mean 0.0004506
Std Dev 0.2818

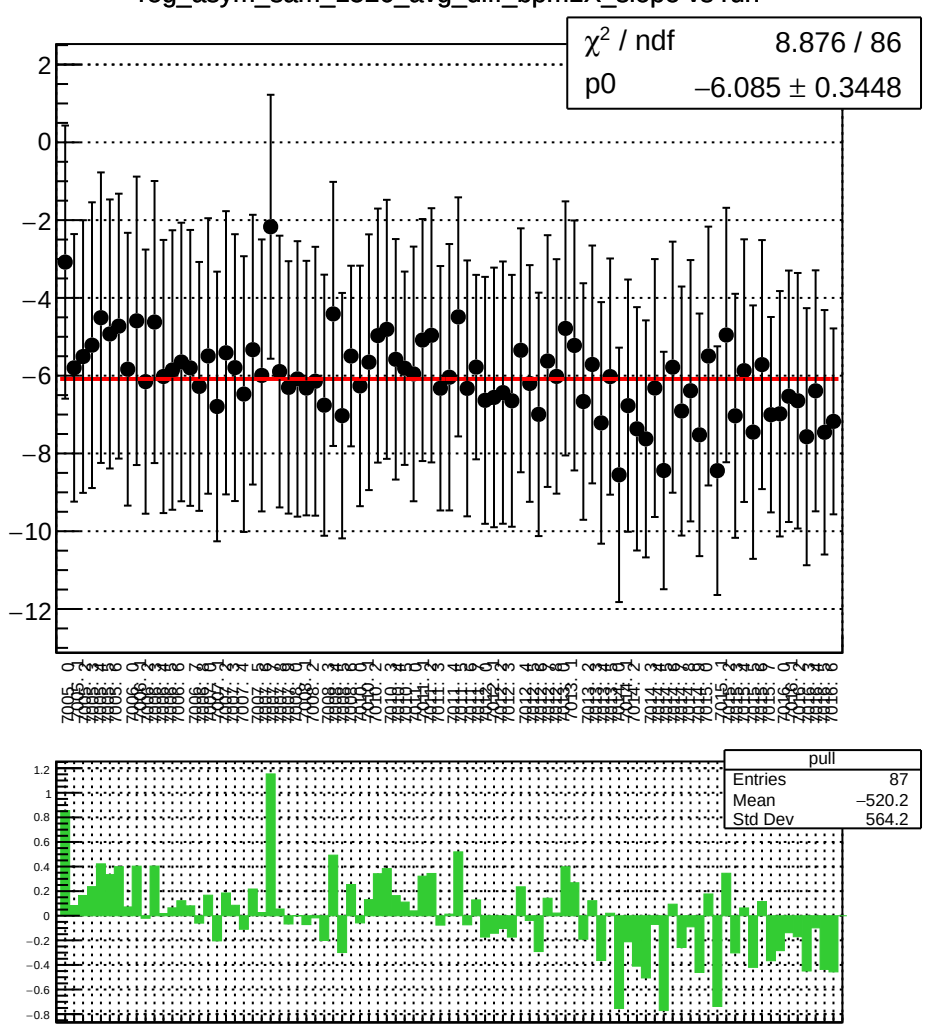

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.524 / 86
p0 −7.624 ± 0.7157
pull
Entries 87
Mean −320.1
Std Dev 370.1

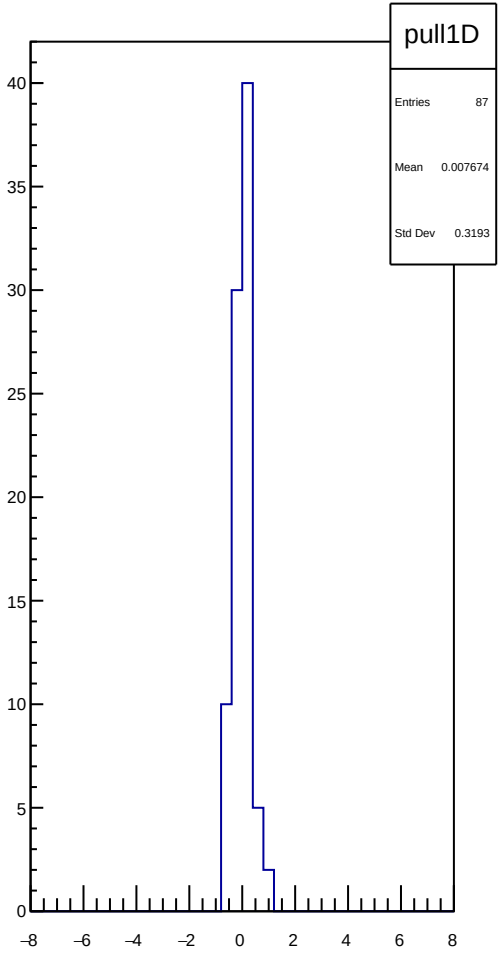

pull1D
Entries 87
Mean −0.006587
Std Dev 0.1702

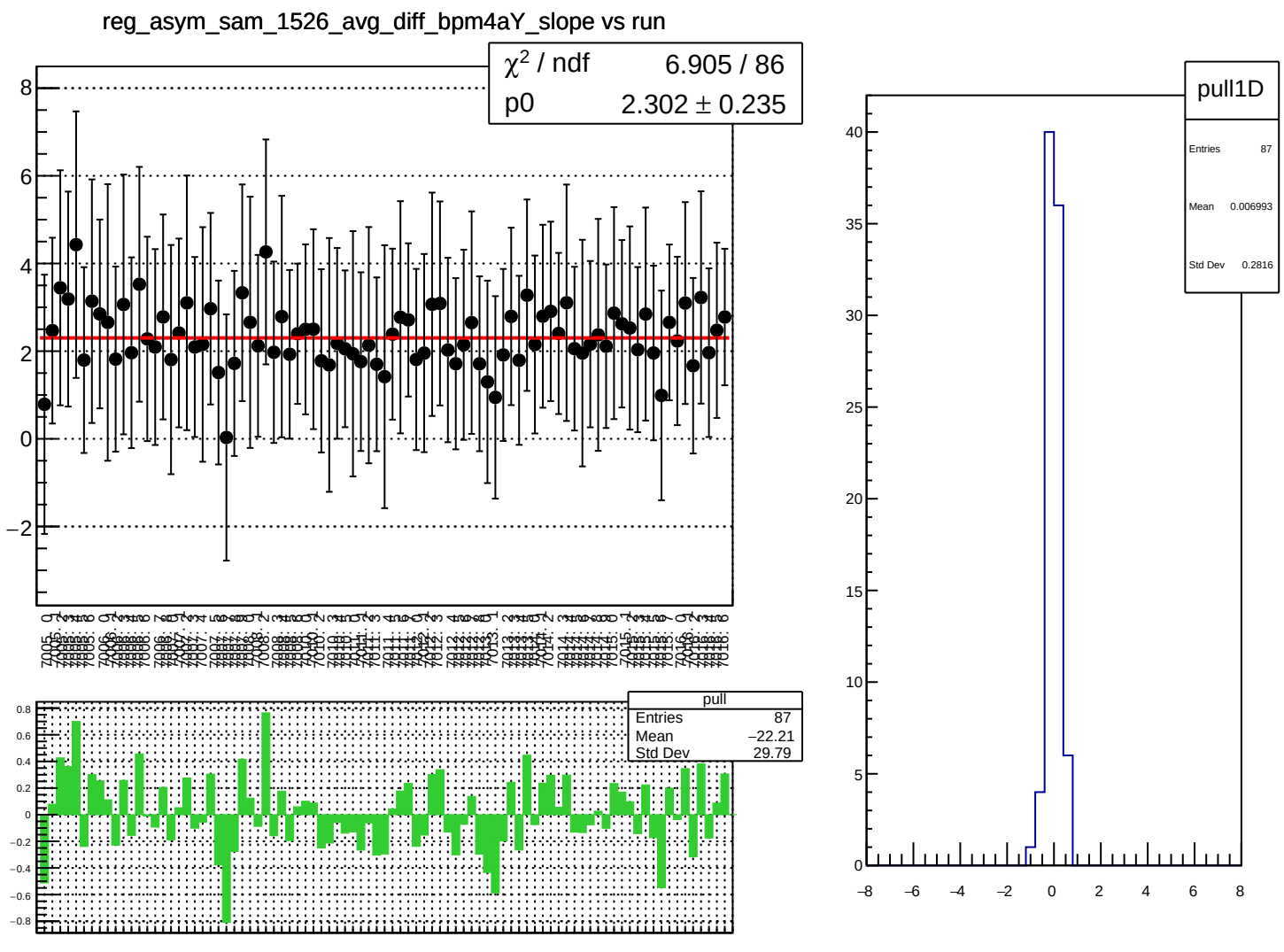

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.976 / 86
p0 −78.47 ± 0.972
pull
Entries 87
Mean −1531
Std Dev 1583
pull1D
Entries 87
Mean −0.002975
Std Dev 0.3386

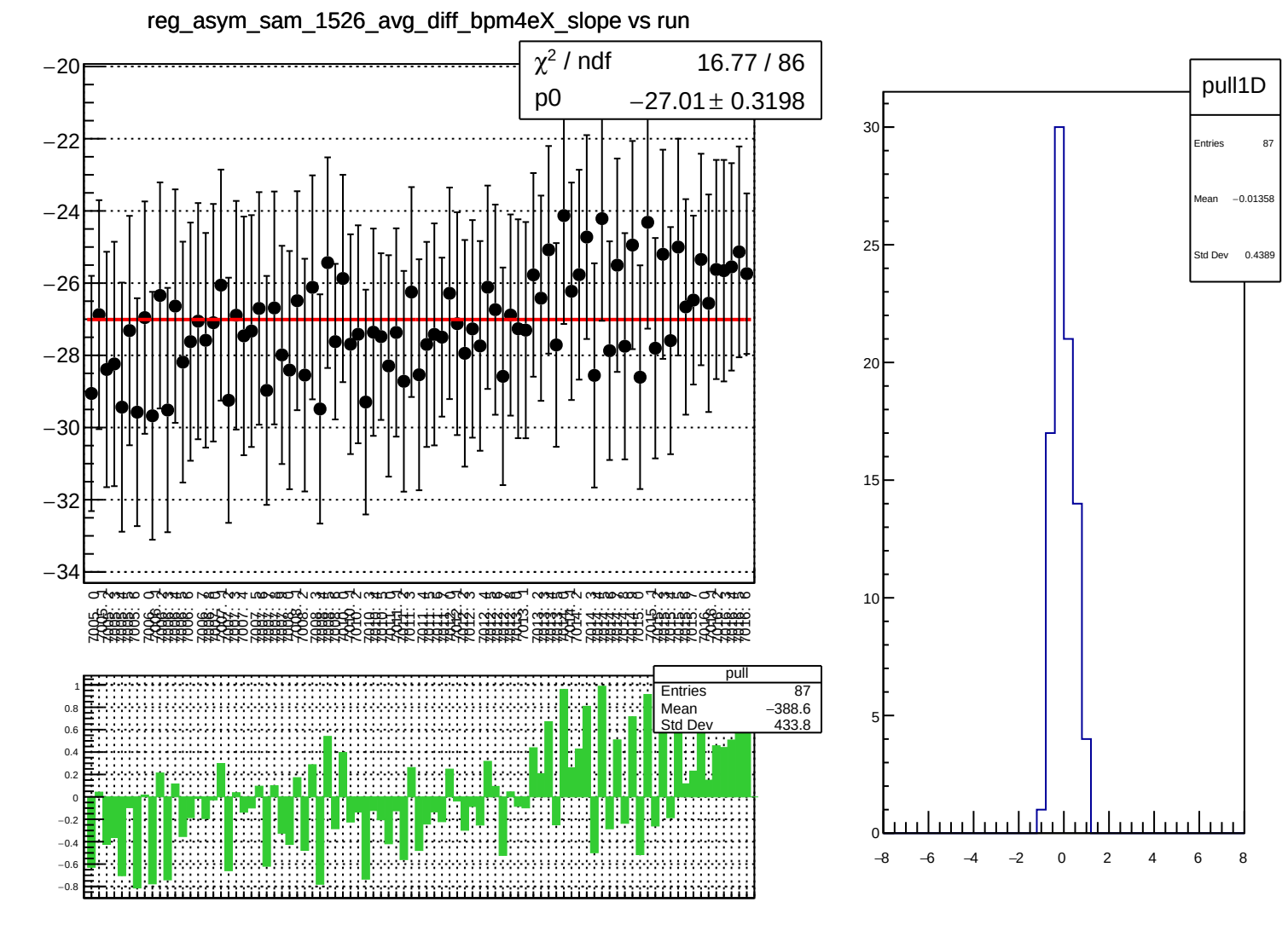

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.523 / 86
p0 69.33 ± 0.7548
80
75
70
65
60
pull
Entries 87
Mean −290.8
Std Dev 341
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.01243
Std Dev 0.2735
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

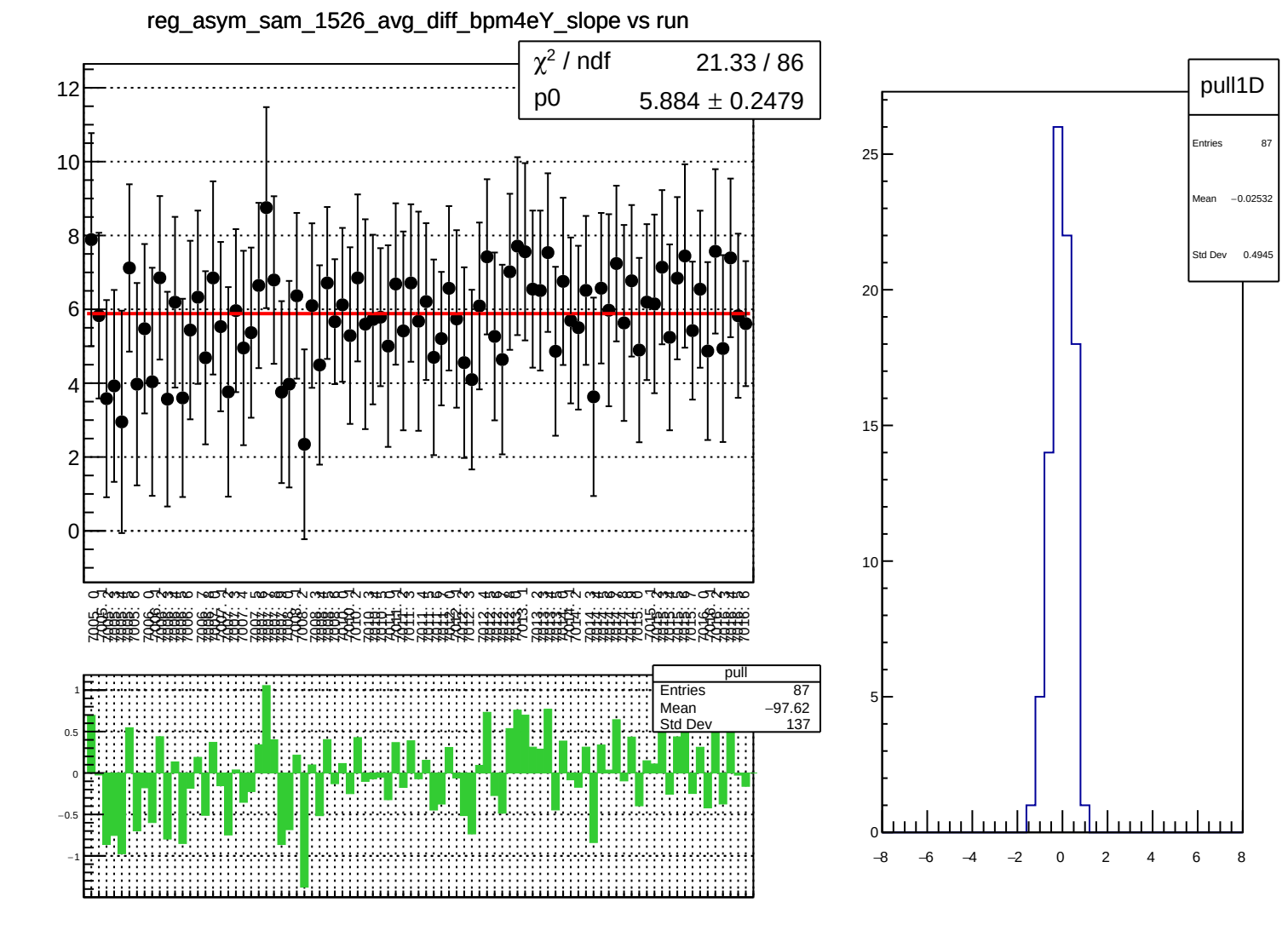

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 22.46 / 86
p0 0.1191± 0.03491
pull
Entries 87
Mean −6931
Std Dev 6977
pull1D
Entries 87
Mean 0.001611
Std Dev 0.5081

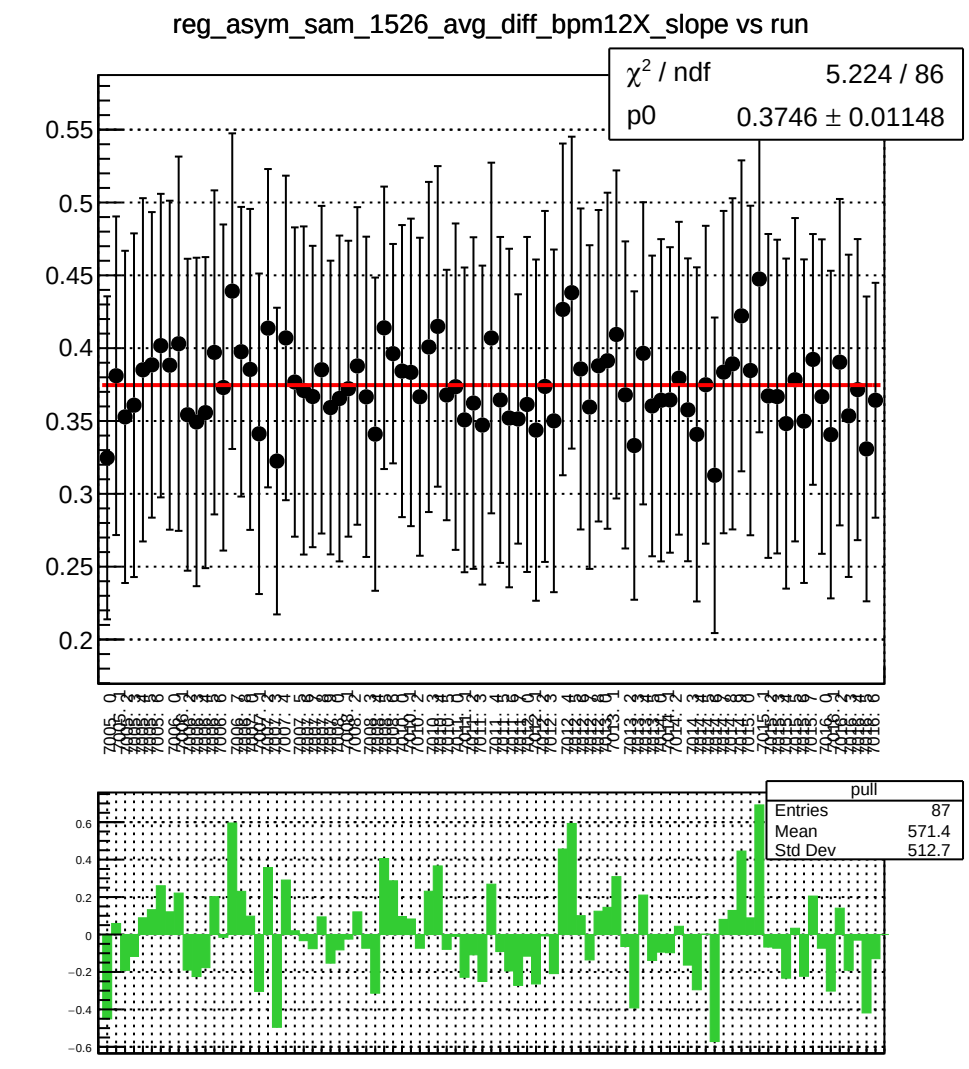

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 8.876 / 86
p0 −6.085 ± 0.3448
pull
Entries 87
Mean −520.2
Std Dev 564.2

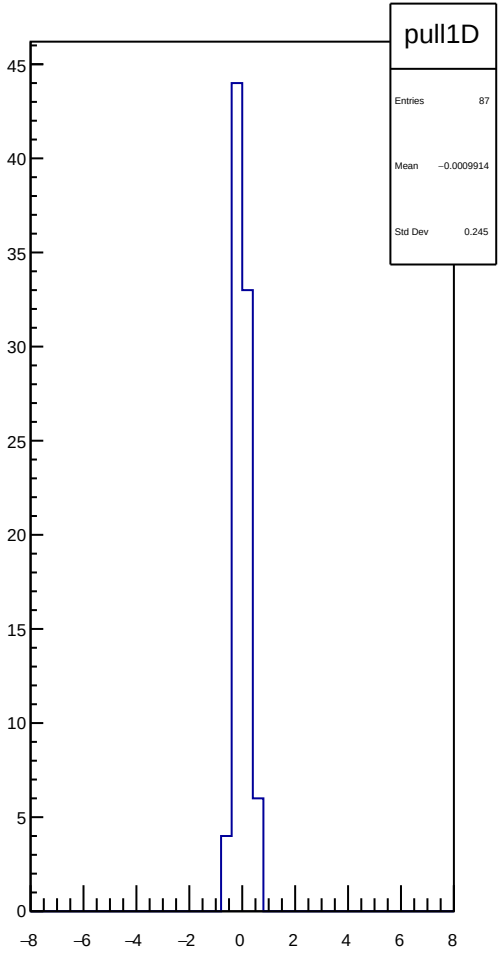

pull1D
Entries 87
Mean 0.007674
Std Dev 0.3193

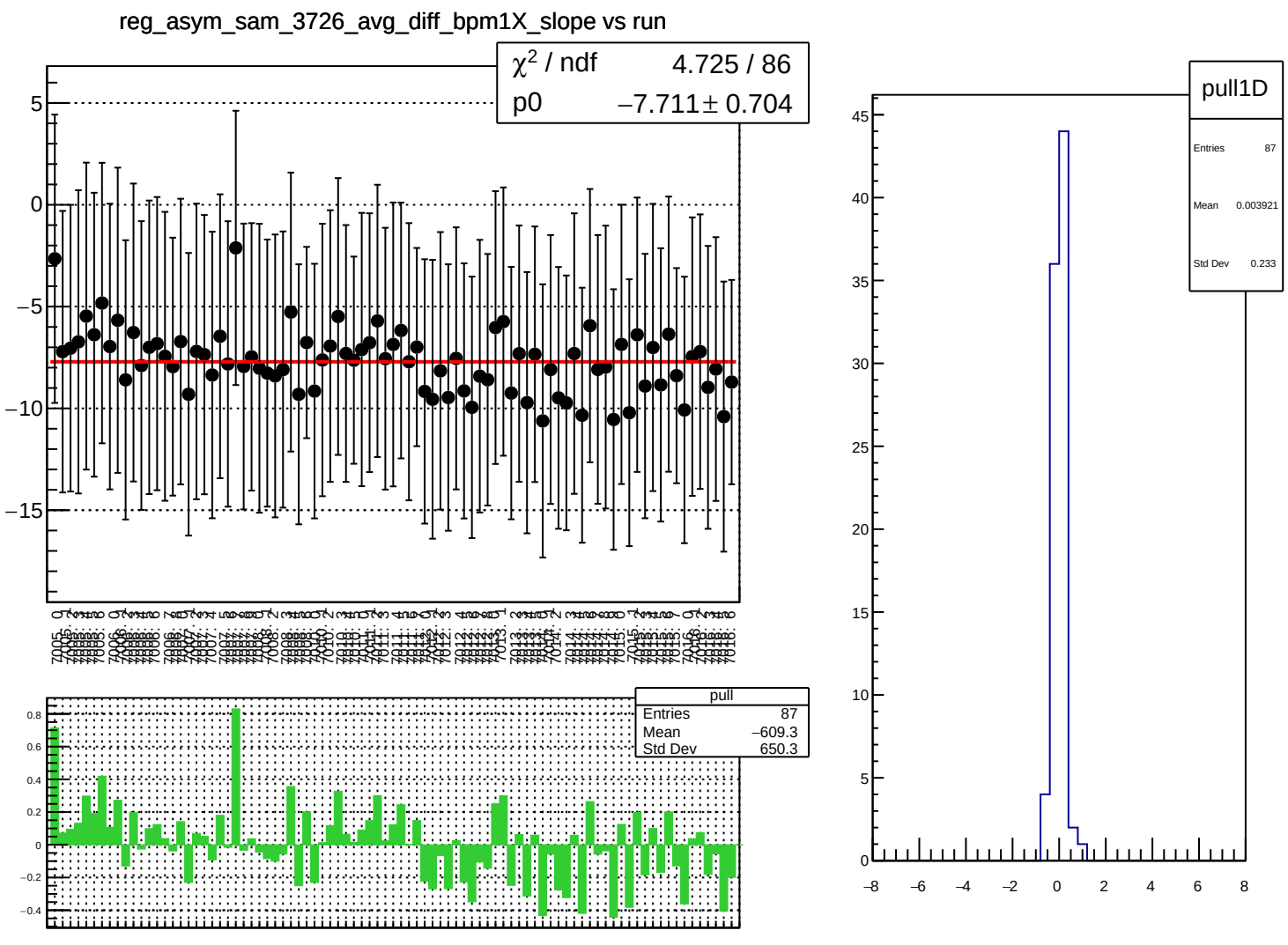

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.905 / 86
p0 2.302 ± 0.235
pull
Entries 87
Mean −22.21
Std Dev 29.79
pull1D
Entries 87
Mean 0.006993
Std Dev 0.2816

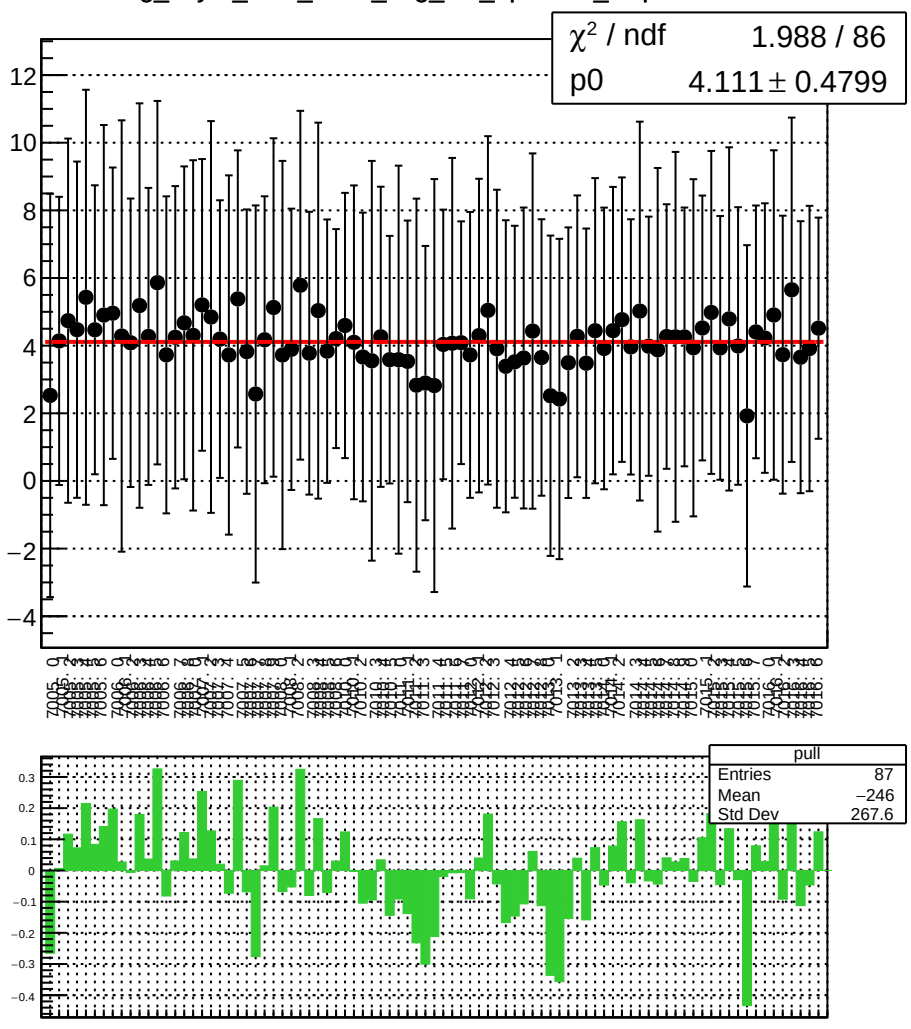

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.77 / 86
p0 −27.01 ± 0.3198
pull
Entries 87
Mean −388.6
Std Dev 433.8
pull1D
Entries 87
Mean −0.01358
Std Dev 0.4389

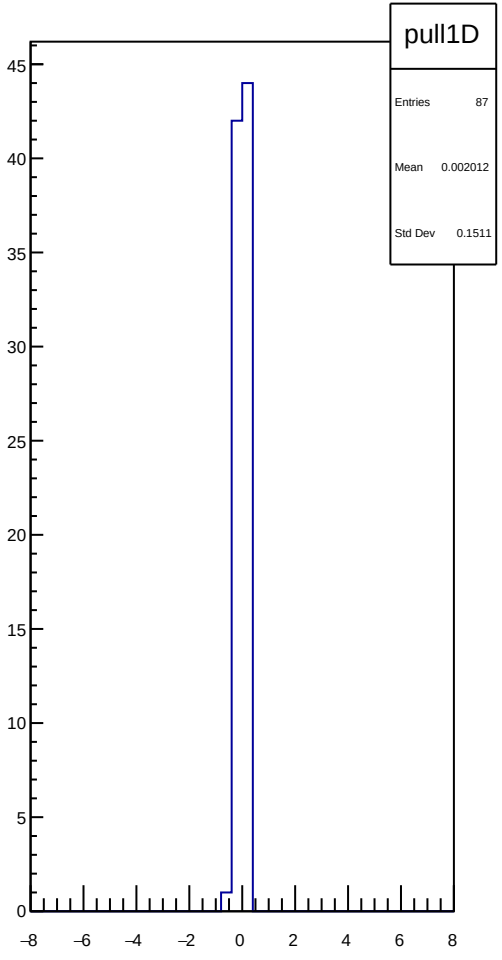

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 86
p0 5.884 ± 0.2479
pull
Entries 87
Mean −97.62
Std Dev 137
pull1D
Entries 87
Mean −0.02532
Std Dev 0.4945

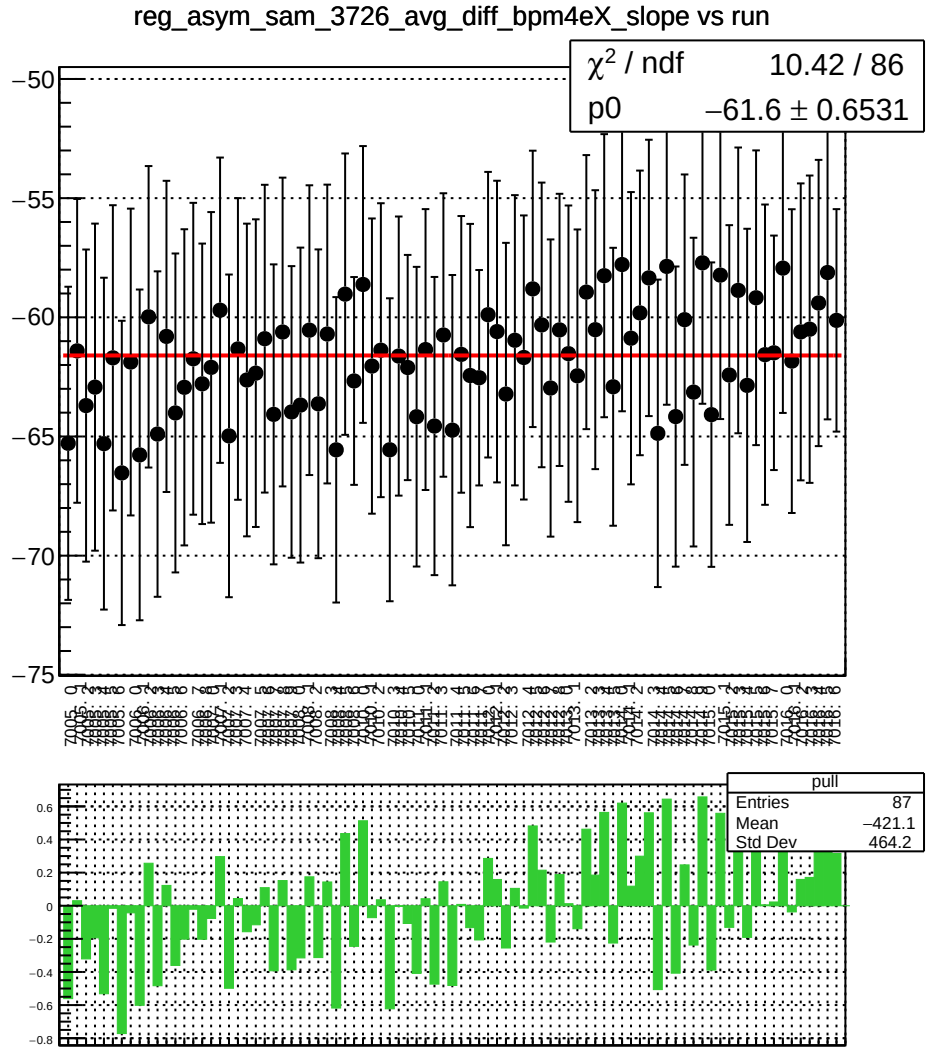

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 5.224 / 86
p0 0.3746 ± 0.01148
pull
Entries 87
Mean 571.4
Std Dev 512.7

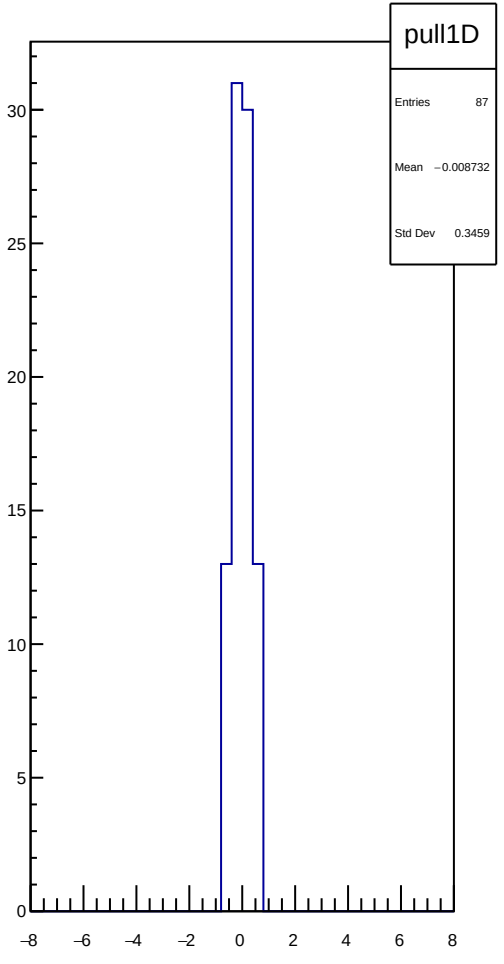

pull1D
Entries 87
Mean −0.0009914
Std Dev 0.245

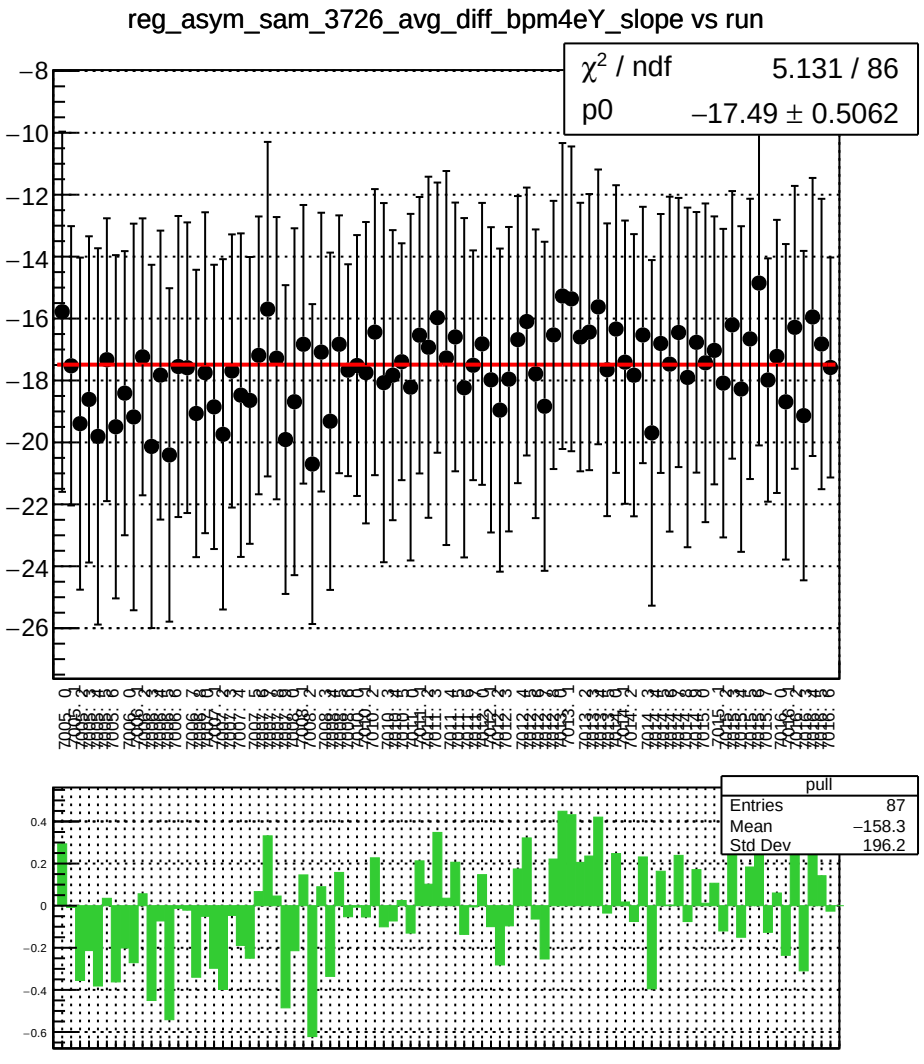

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.725 / 86
p0 −7.711 ± 0.704
pull
Entries 87
Mean −609.3
Std Dev 650.3
pull1D
Entries 87
Mean 0.003921
Std Dev 0.233

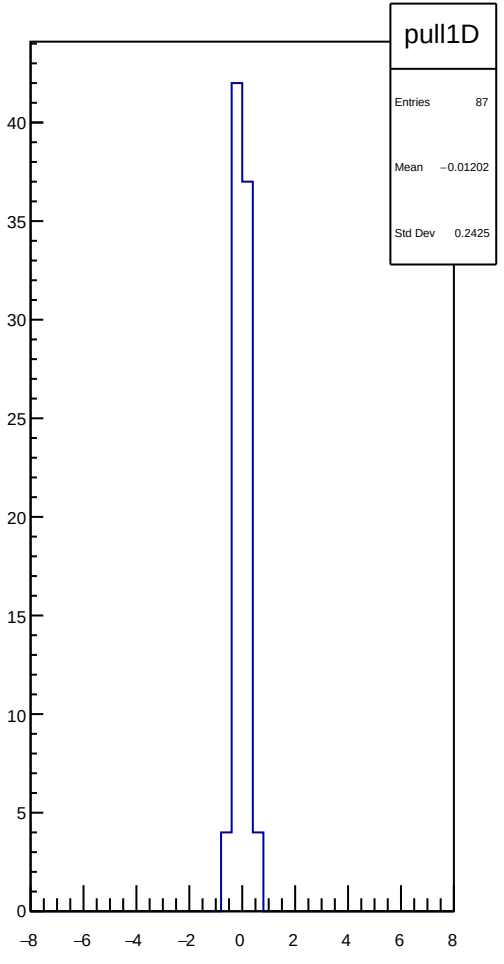

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.988 / 86
p0 4.111 ± 0.4799
pull
Entries 87
Mean −246
Std Dev 267.6

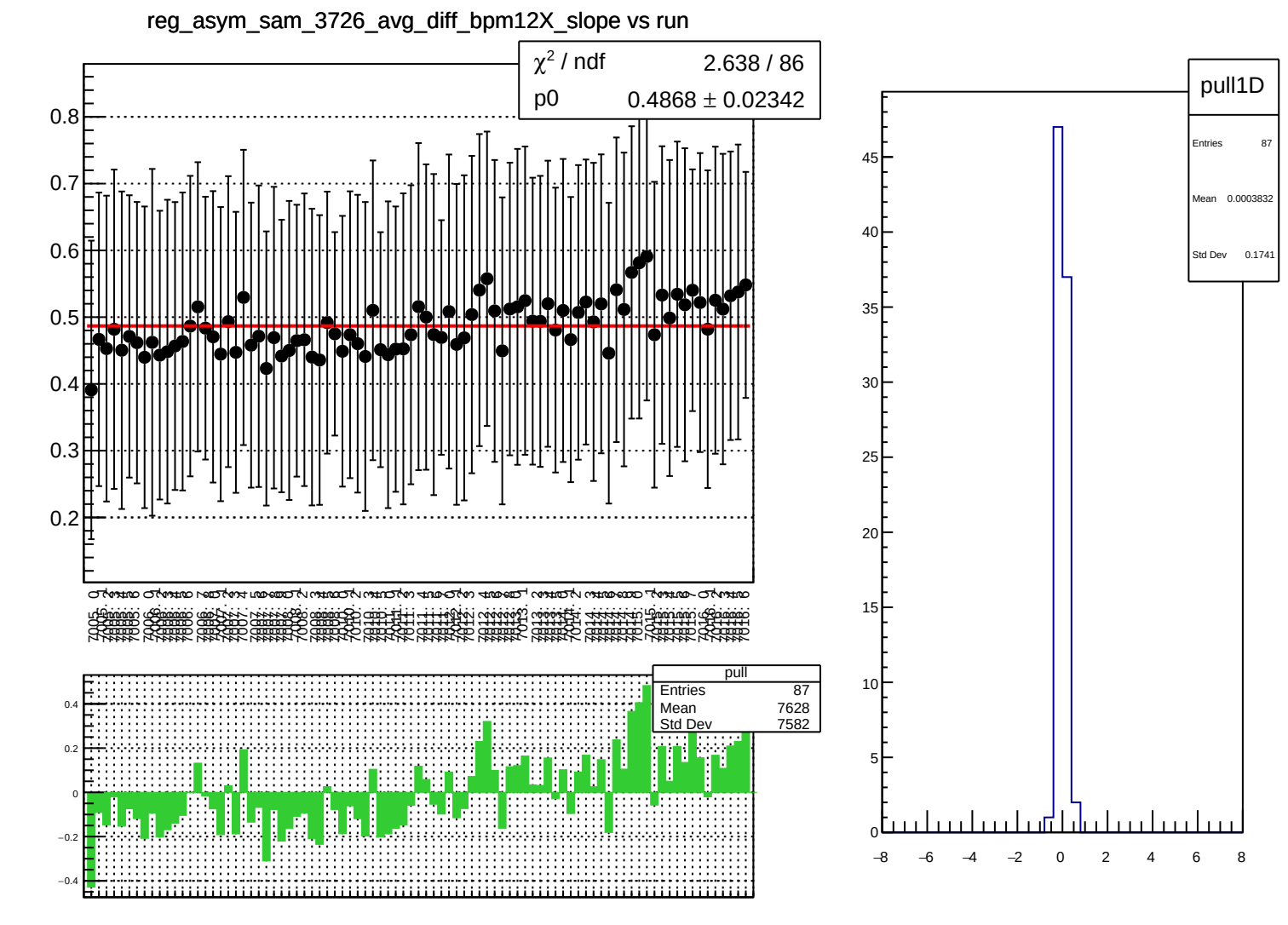

pull1D
Entries 87
Mean 0.002012
Std Dev 0.1511

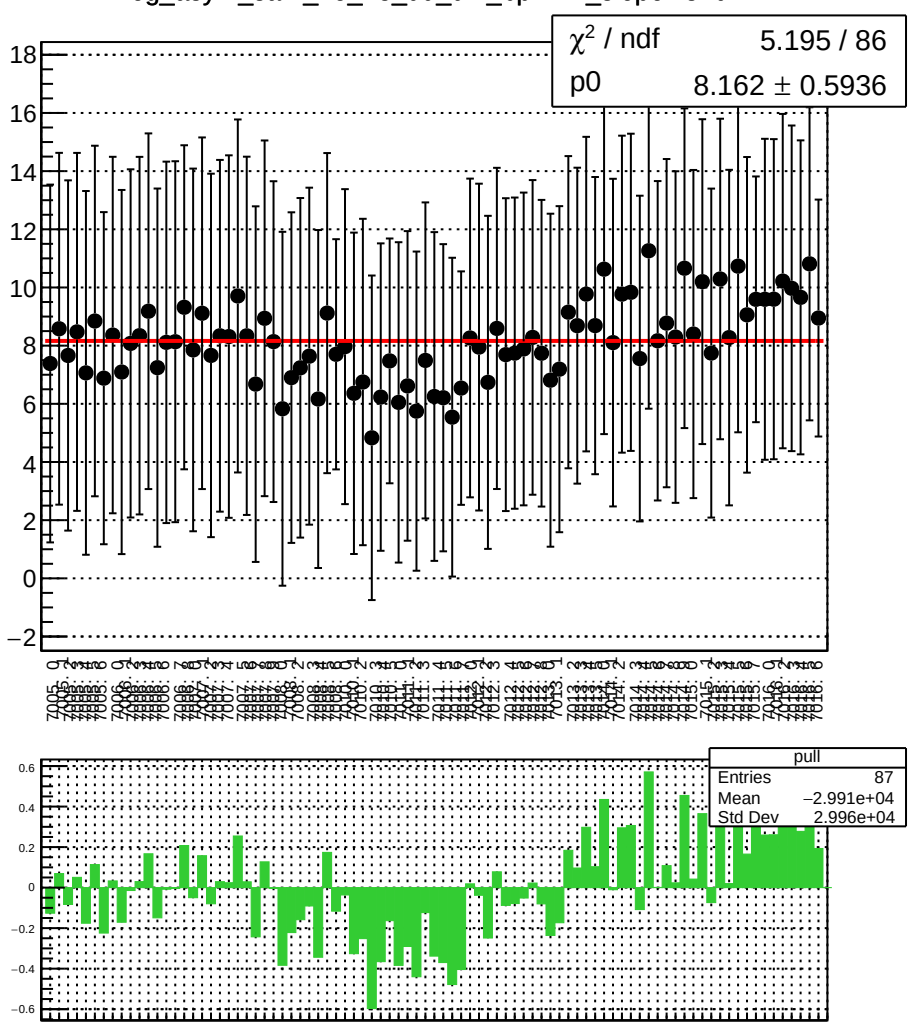

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.42 / 86
p0 −61.6 ± 0.6531
pull
Entries 87
Mean −421.1
Std Dev 464.2

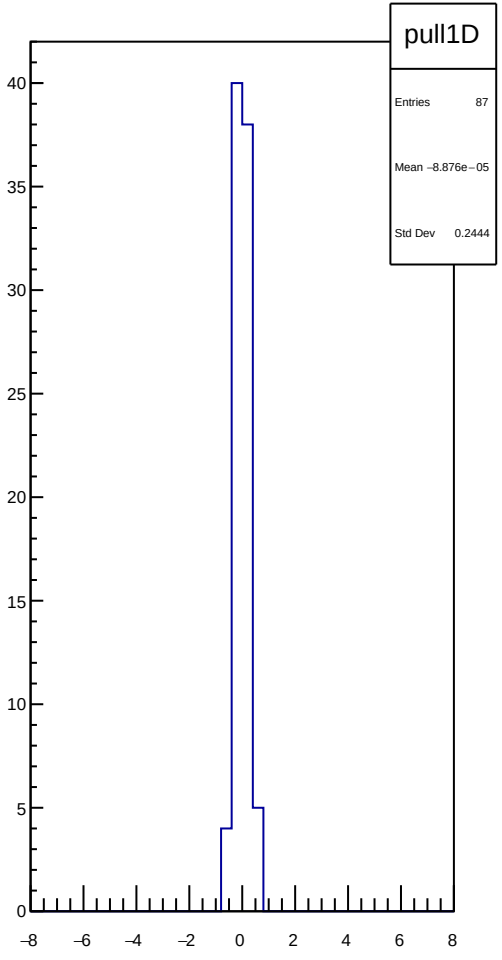

pull1D
Entries 87
Mean −0.008732
Std Dev 0.3459

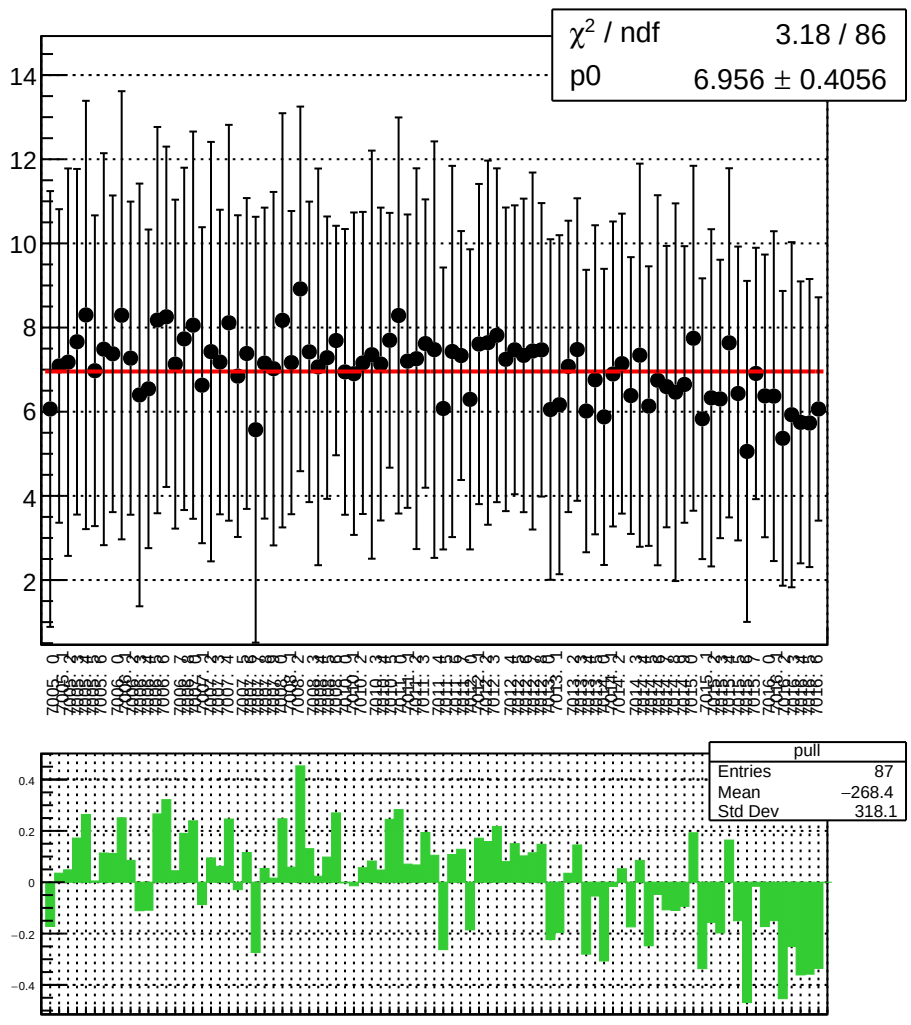

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.131 / 86
p0 −17.49 ± 0.5062
pull
Entries 87
Mean −158.3
Std Dev 196.2

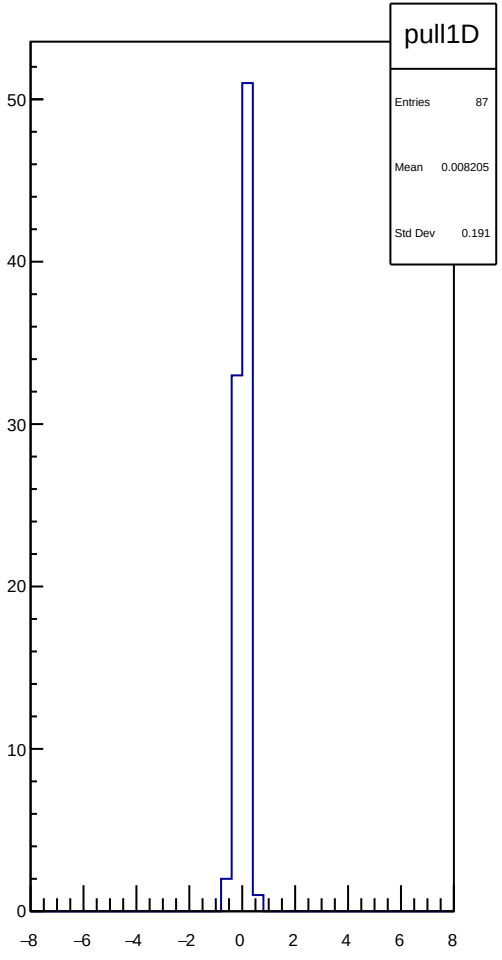

pull1D
Entries 87
Mean −0.01202
Std Dev 0.2425

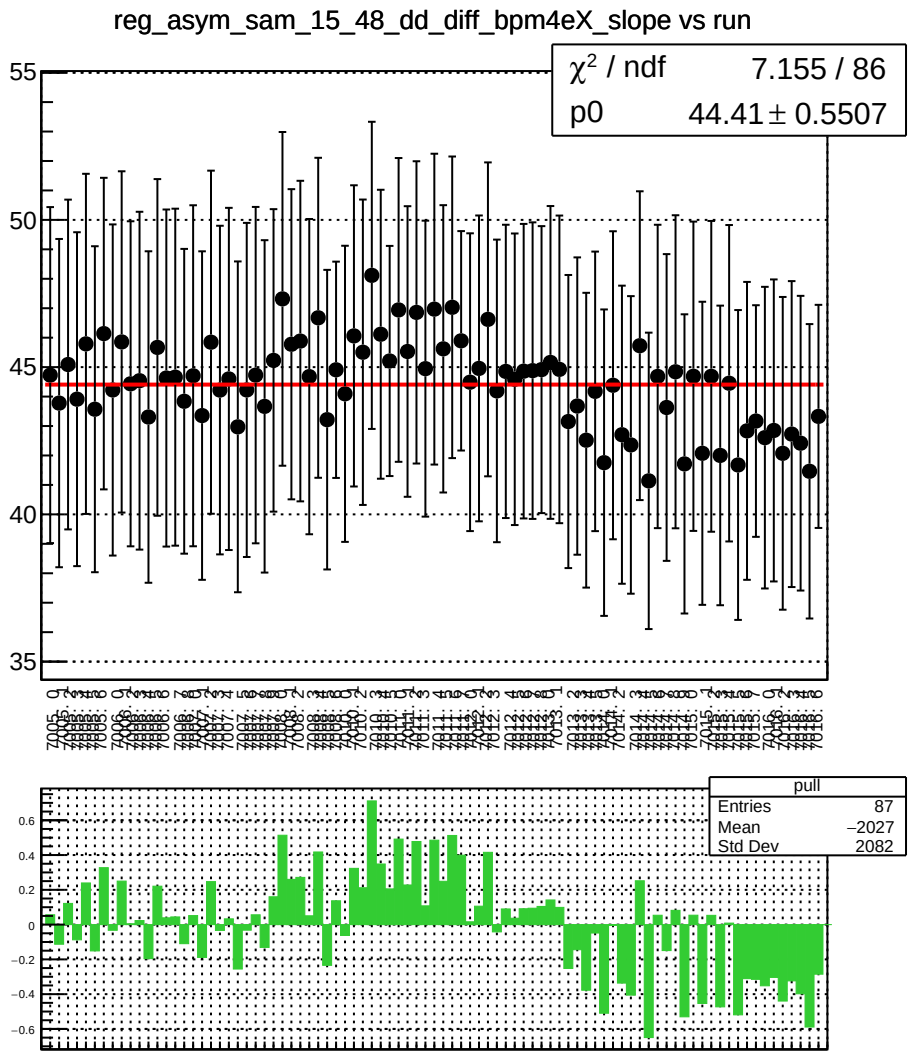

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.638 / 86
p0 0.4868 ± 0.02342
pull
Entries 87
Mean 7628
Std Dev 7582
pull1D
Entries 87
Mean 0.0003832
Std Dev 0.1741

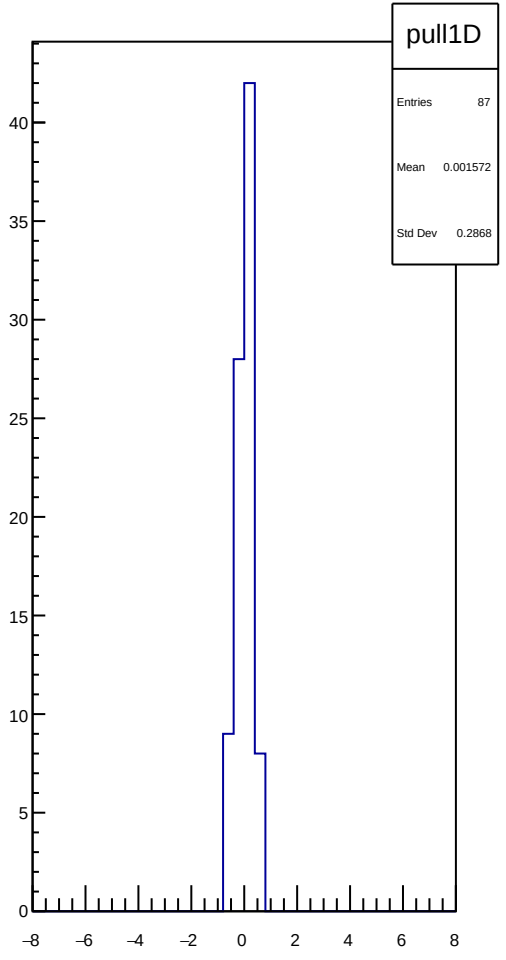

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.195 / 86
p0 8.162 ± 0.5936
pull
Entries 87
Mean −2.991e+04
Std Dev 2.996e+04

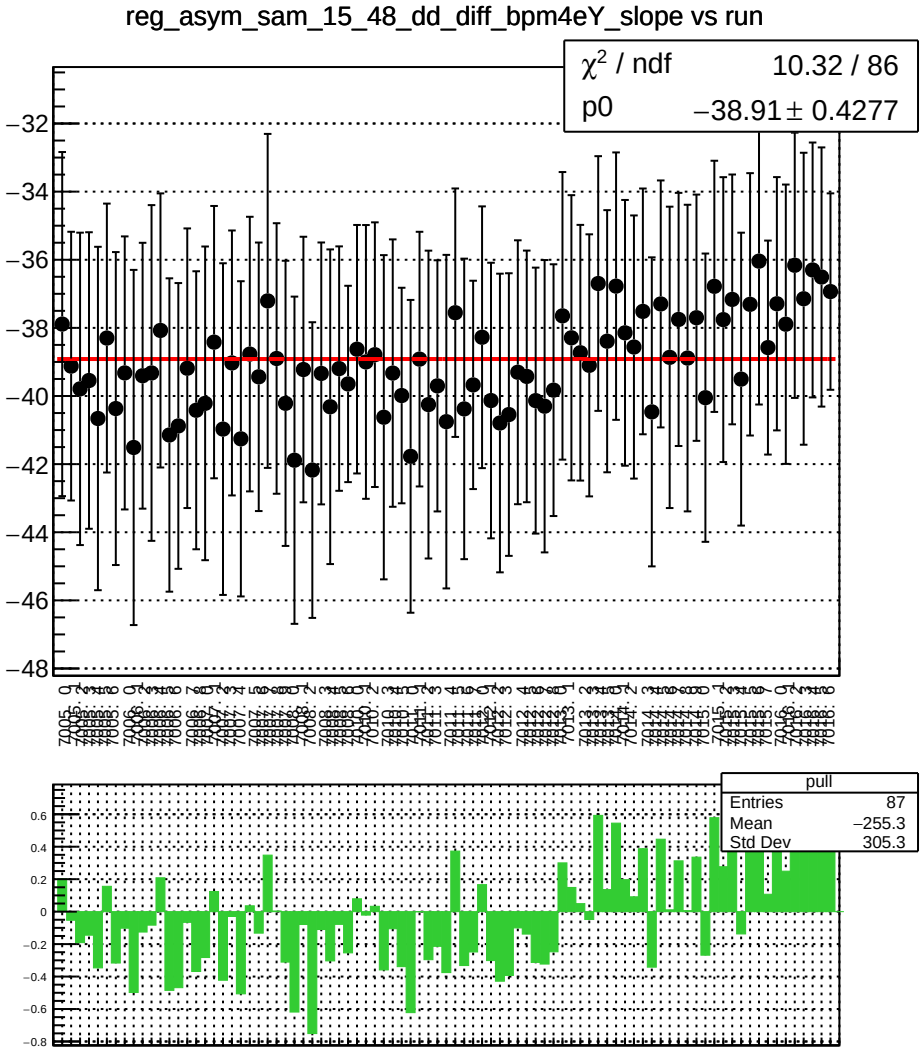

pull1D
Entries 87
Mean −8.876e−05
Std Dev 0.2444

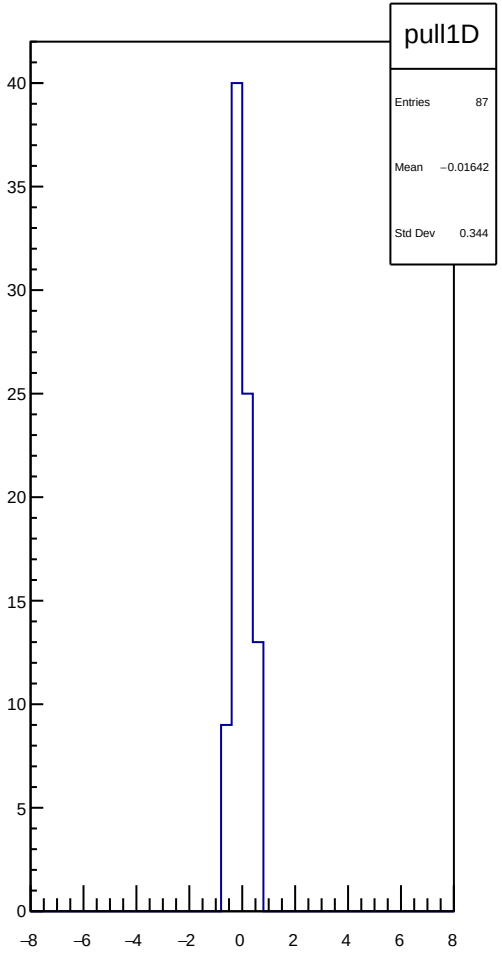

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.18 / 86
p0 6.956 ± 0.4056
pull
Entries 87
Mean −268.4
Std Dev 318.1

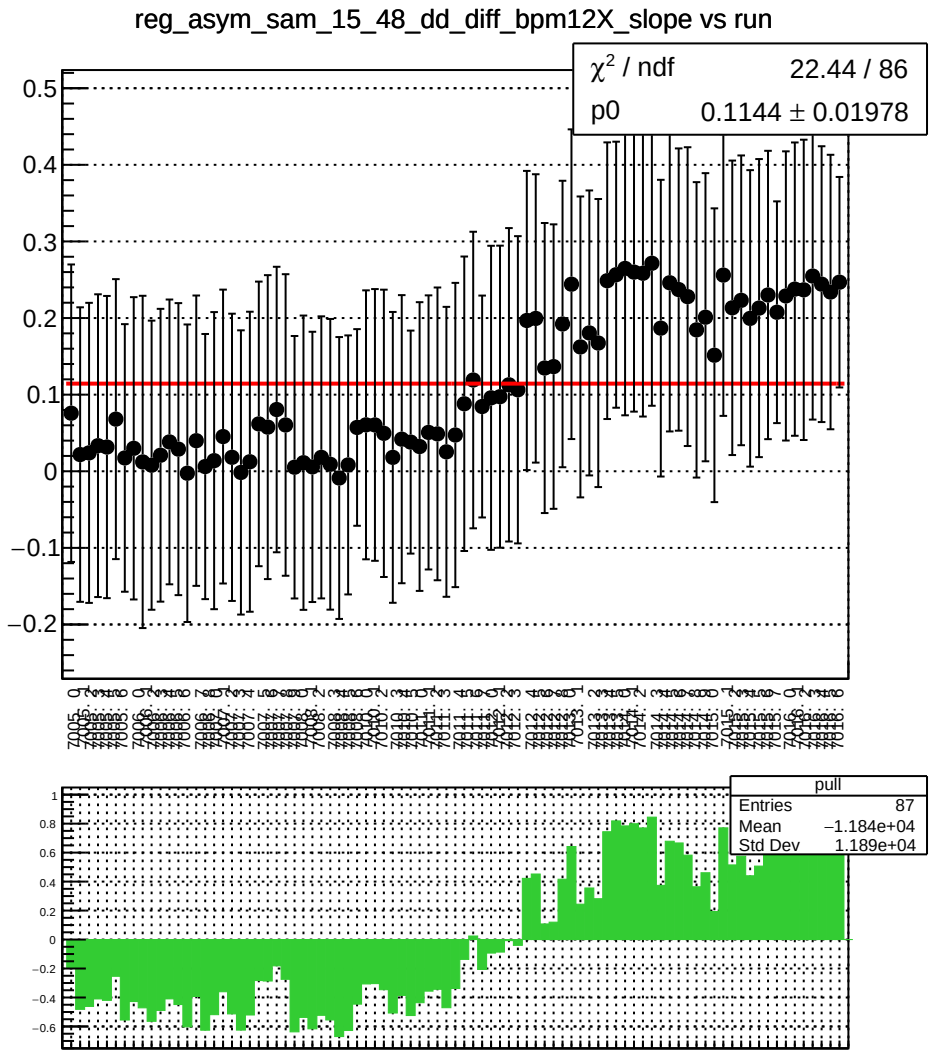

pull1D
Entries 87
Mean 0.008205
Std Dev 0.191

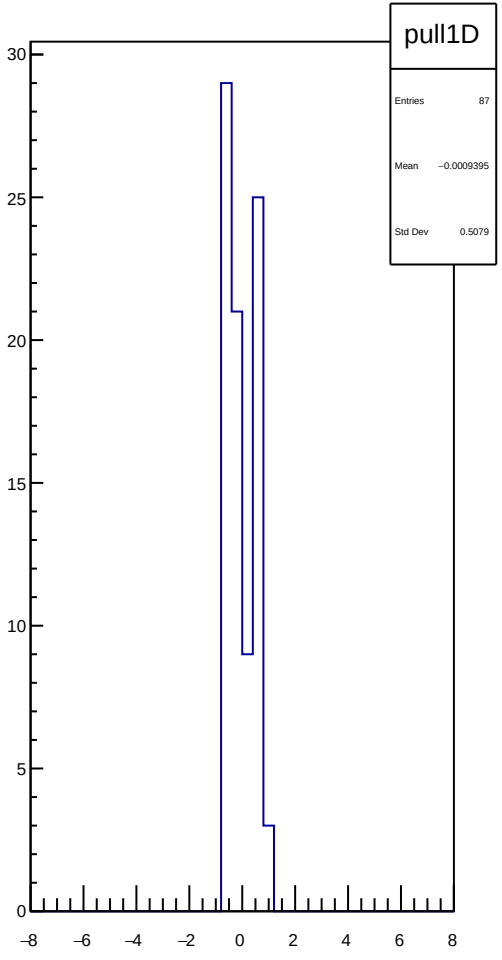

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.155 / 86
p0 44.41 ± 0.5507
55
50
45
40
35
pull
Entries 87
Mean −2027
Std Dev 2082
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

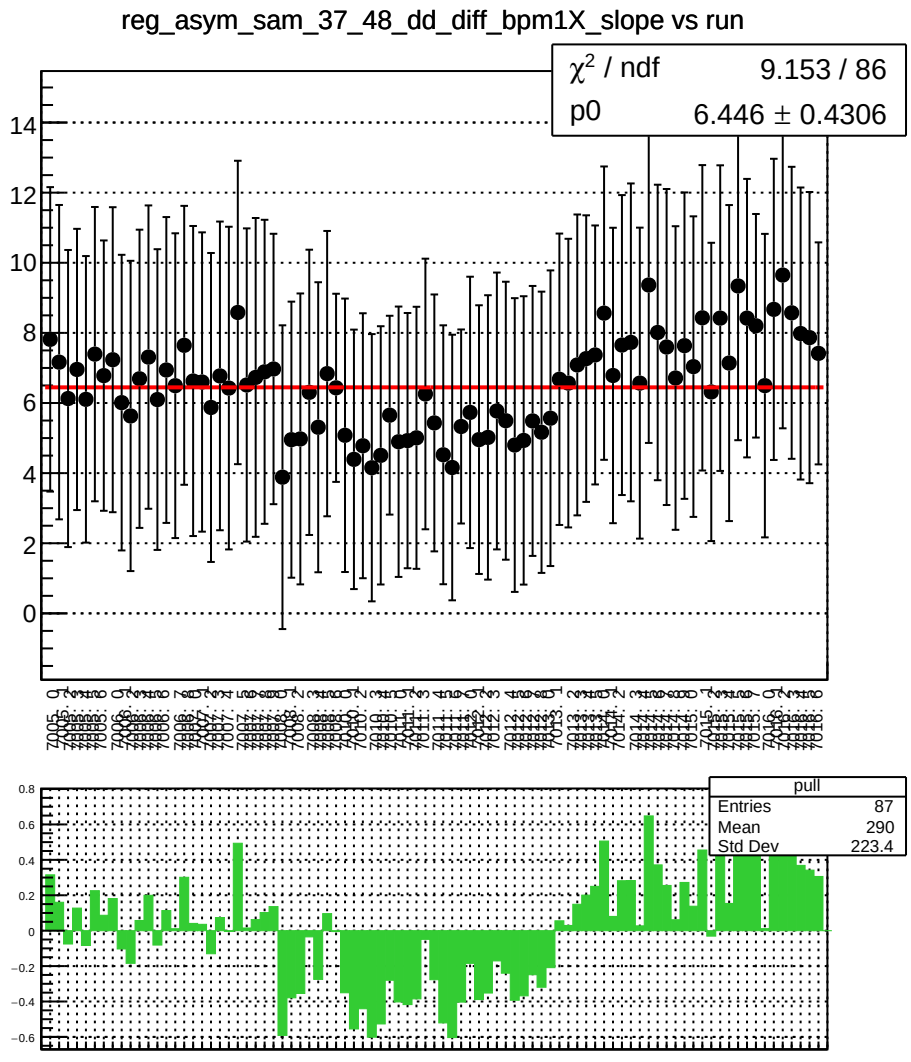

pull1D
Entries 87
Mean 0.001572
Std Dev 0.2868
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

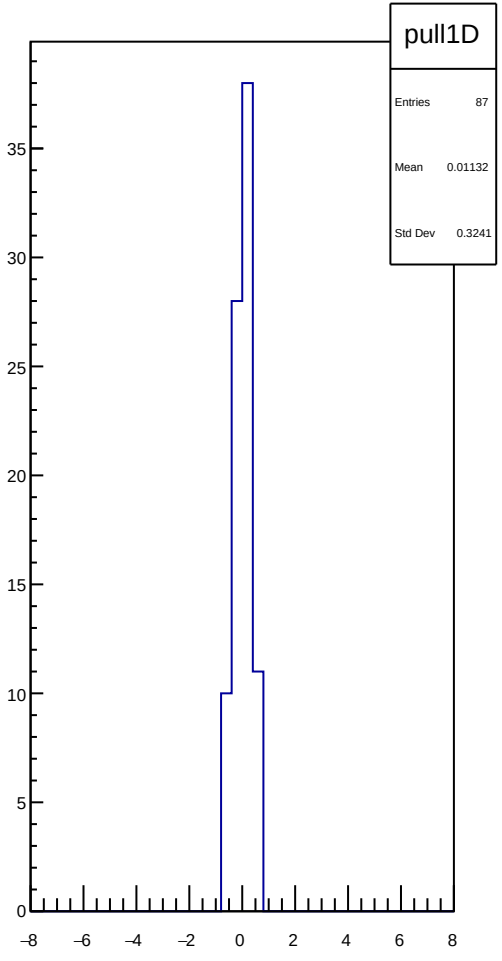

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.32 / 86
p0 −38.91 ± 0.4277
pull
Entries 87
Mean −255.3
Std Dev 305.3

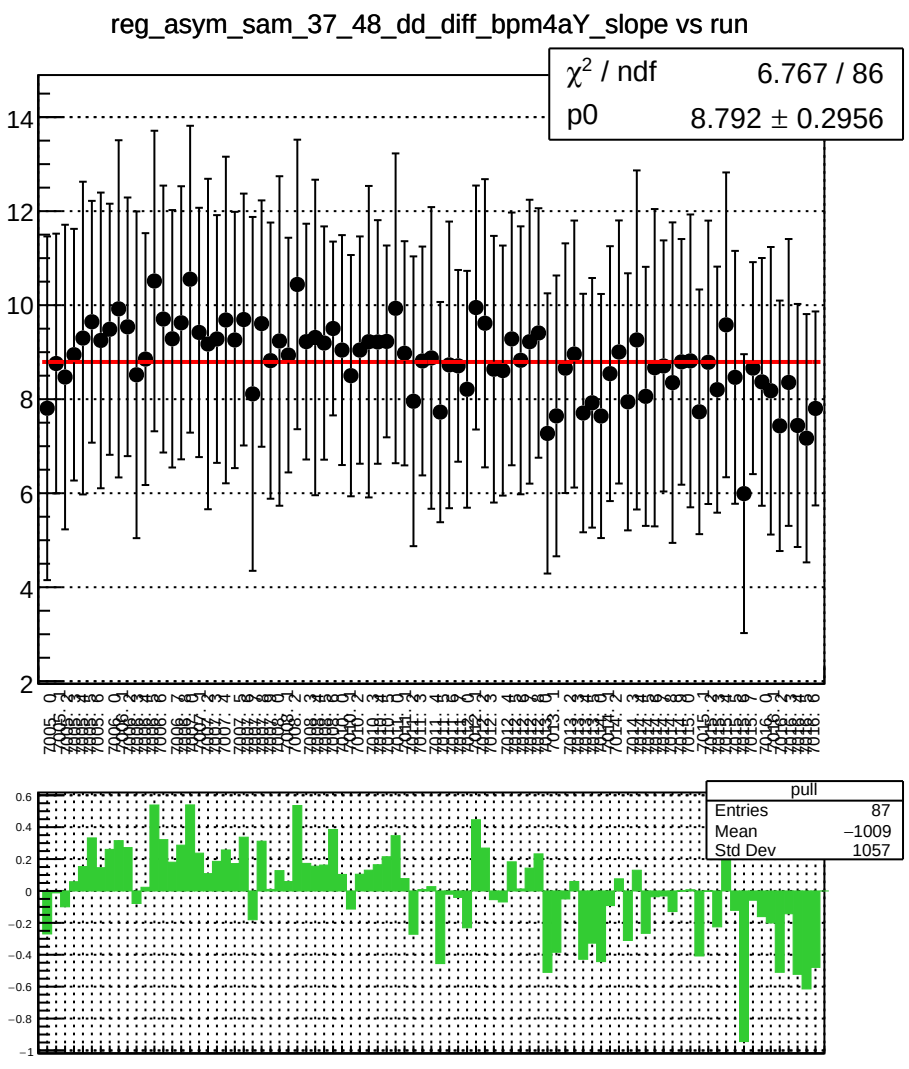

pull1D
Entries 87
Mean −0.01642
Std Dev 0.344

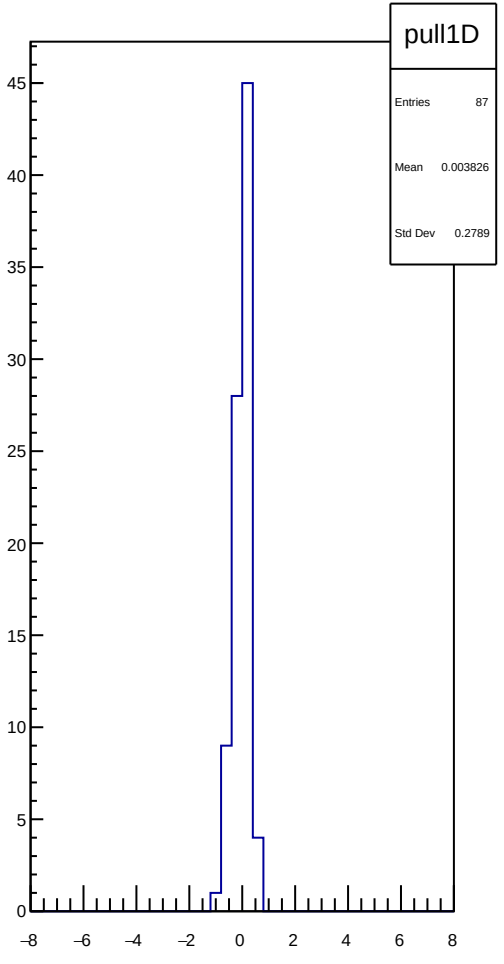

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 22.44 / 86
p0 0.1144 ± 0.01978
pull
Entries 87
Mean −1.184e+04
Std Dev 1.189e+04

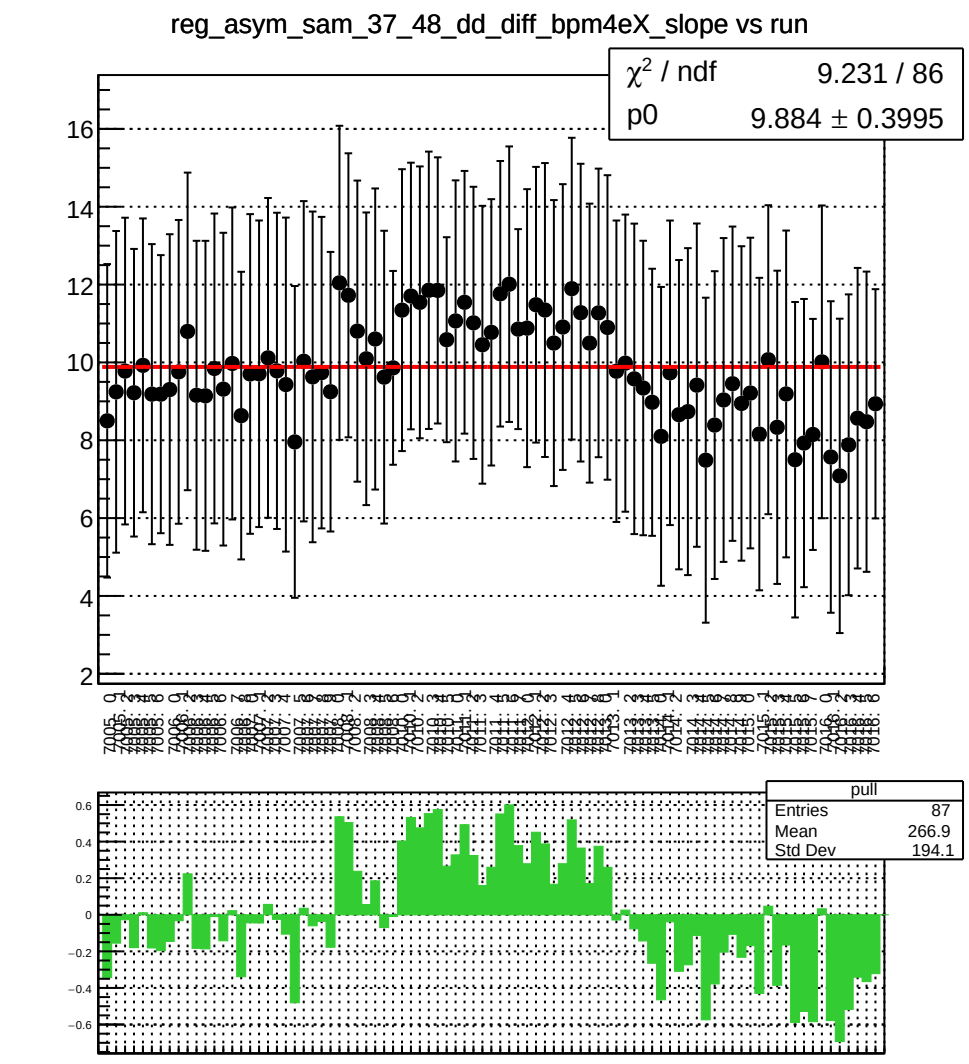

pull1D
Entries 87
Mean −0.0009395
Std Dev 0.5079

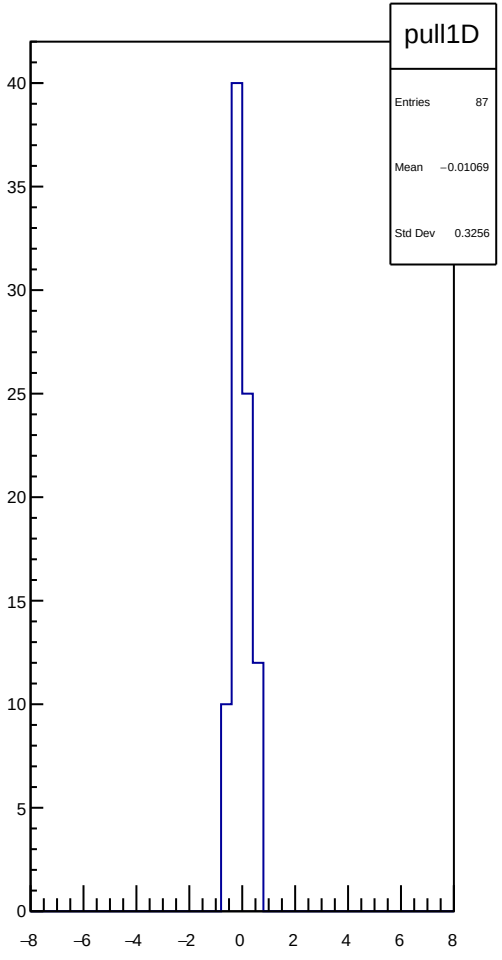

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.153 / 86
p0 6.446 ± 0.4306
pull
Entries 87
Mean 290
Std Dev 223.4

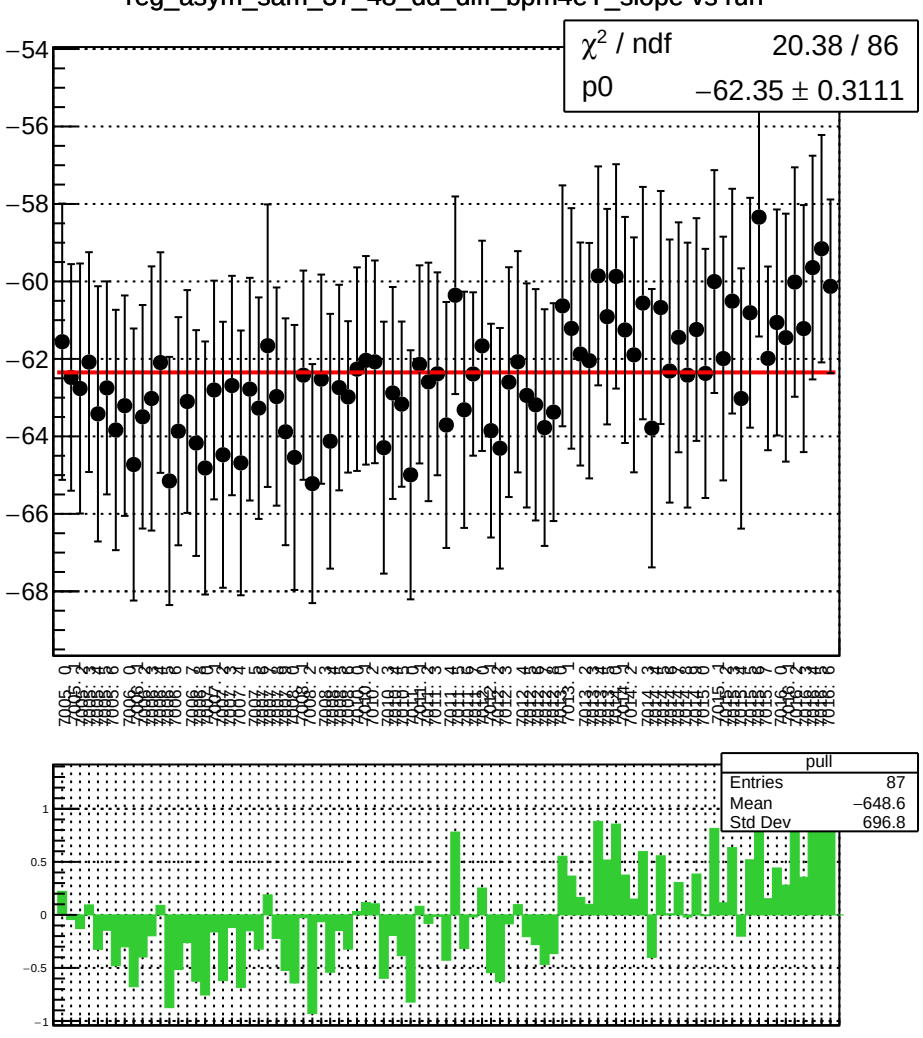

pull1D
Entries 87
Mean 0.01132
Std Dev 0.3241

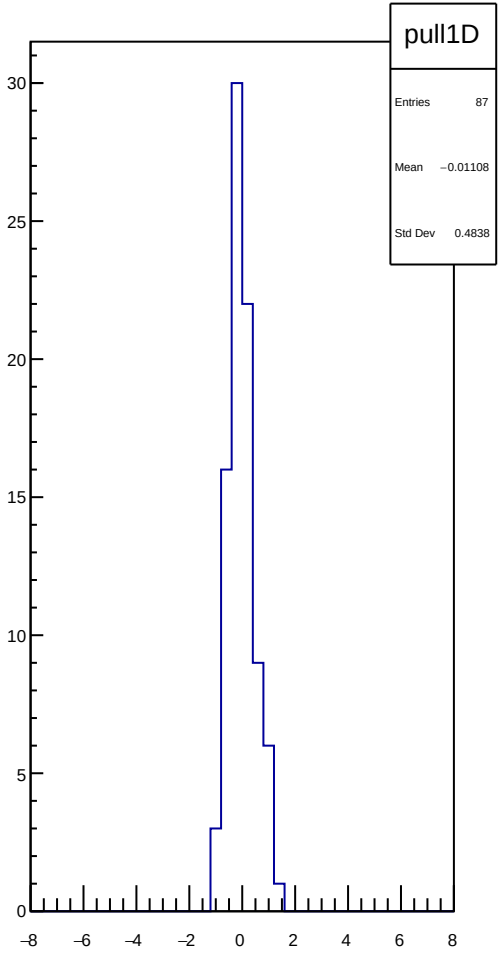

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.767 / 86
p0 8.792 ± 0.2956
pull
Entries 87
Mean −1009
Std Dev 1057

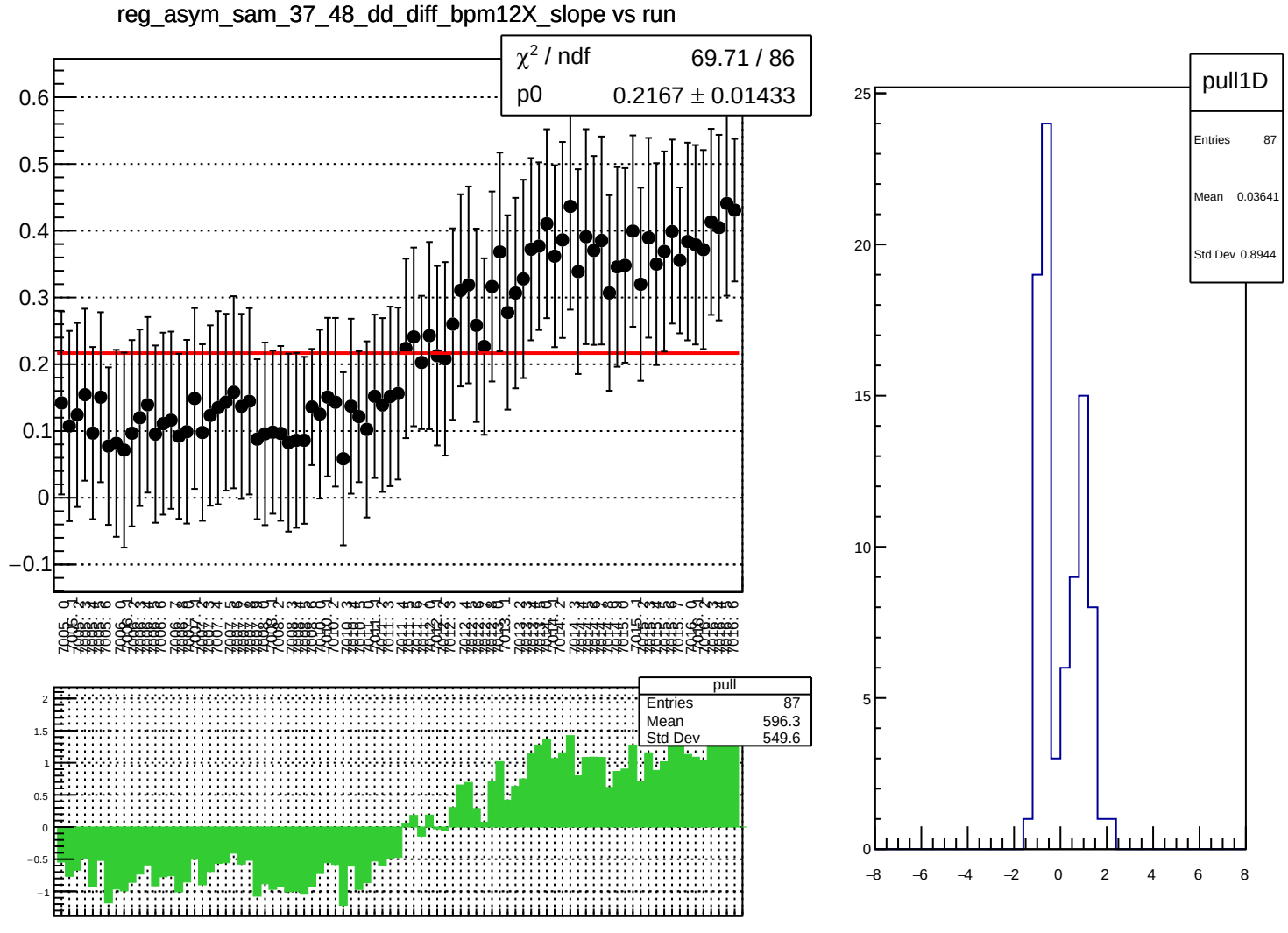

pull1D
Entries 87
Mean 0.003826
Std Dev 0.2789

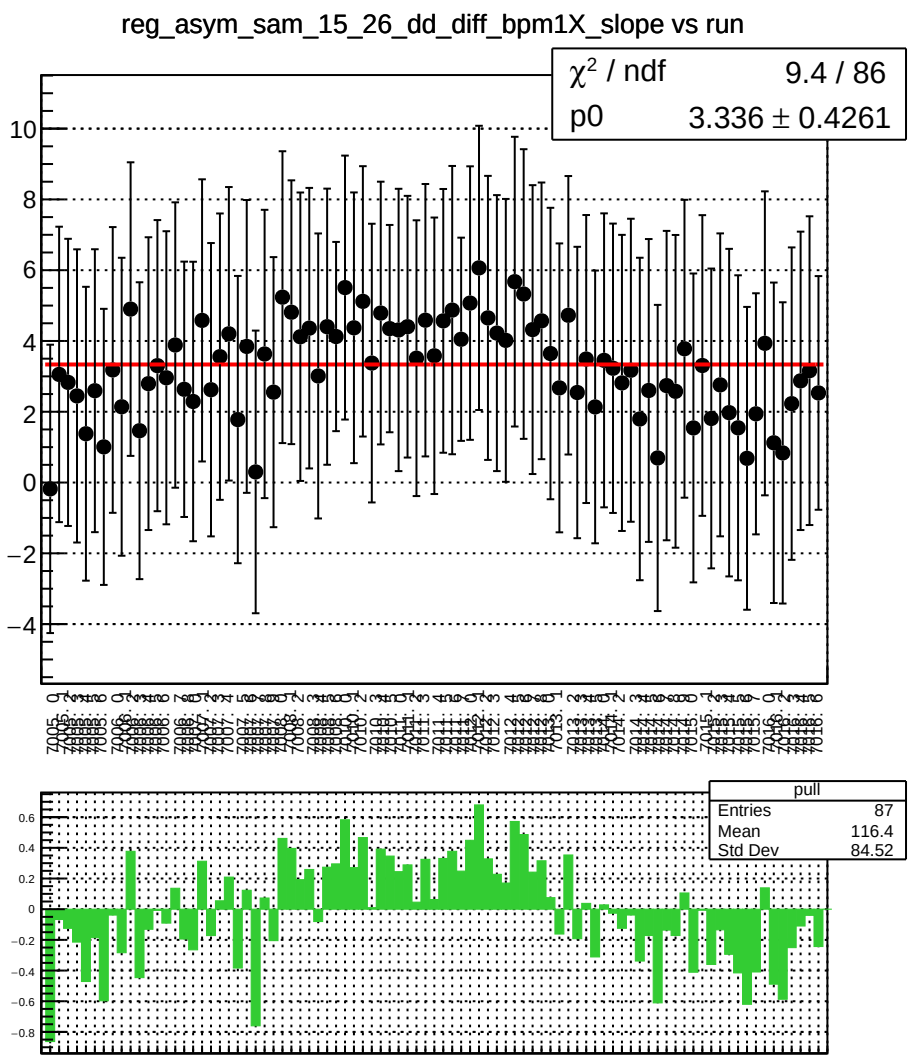

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.231 / 86
p0 9.884 ± 0.3995
pull
Entries 87
Mean 266.9
Std Dev 194.1

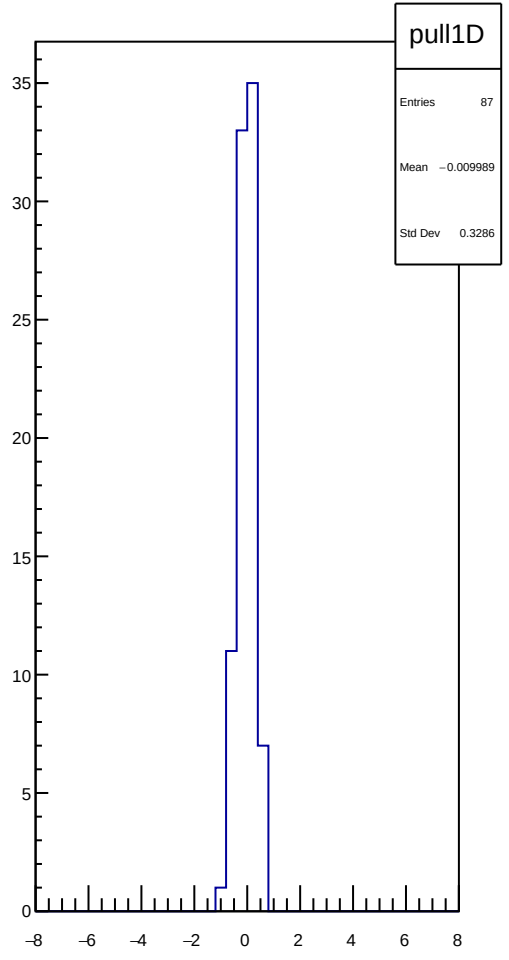

pull1D
Entries 87
Mean −0.01069
Std Dev 0.3256

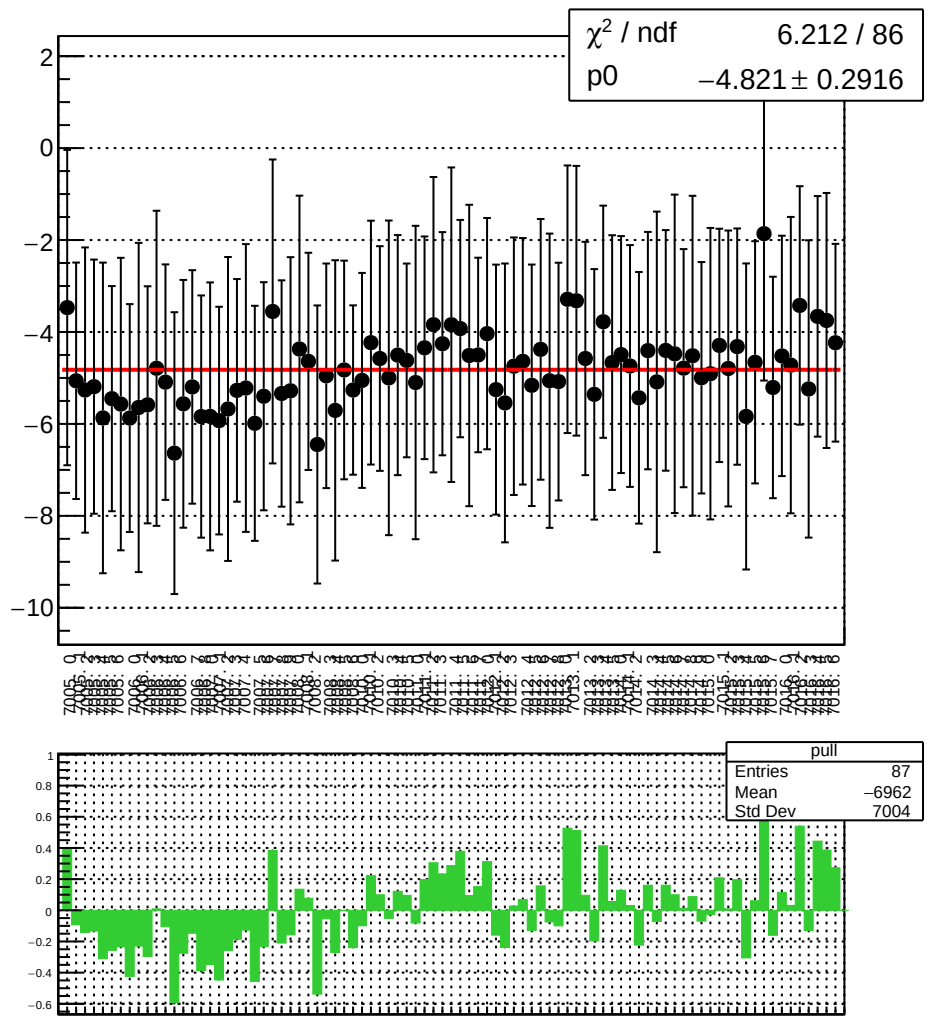

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.38 / 86
p0 −62.35 ± 0.3111
pull
Entries 87
Mean −648.6
Std Dev 696.8

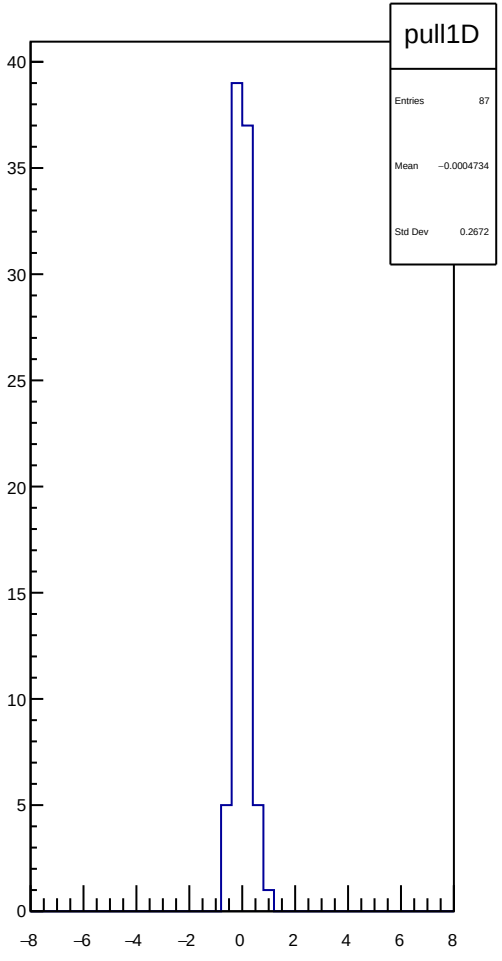

pull1D
Entries 87
Mean −0.01108
Std Dev 0.4838

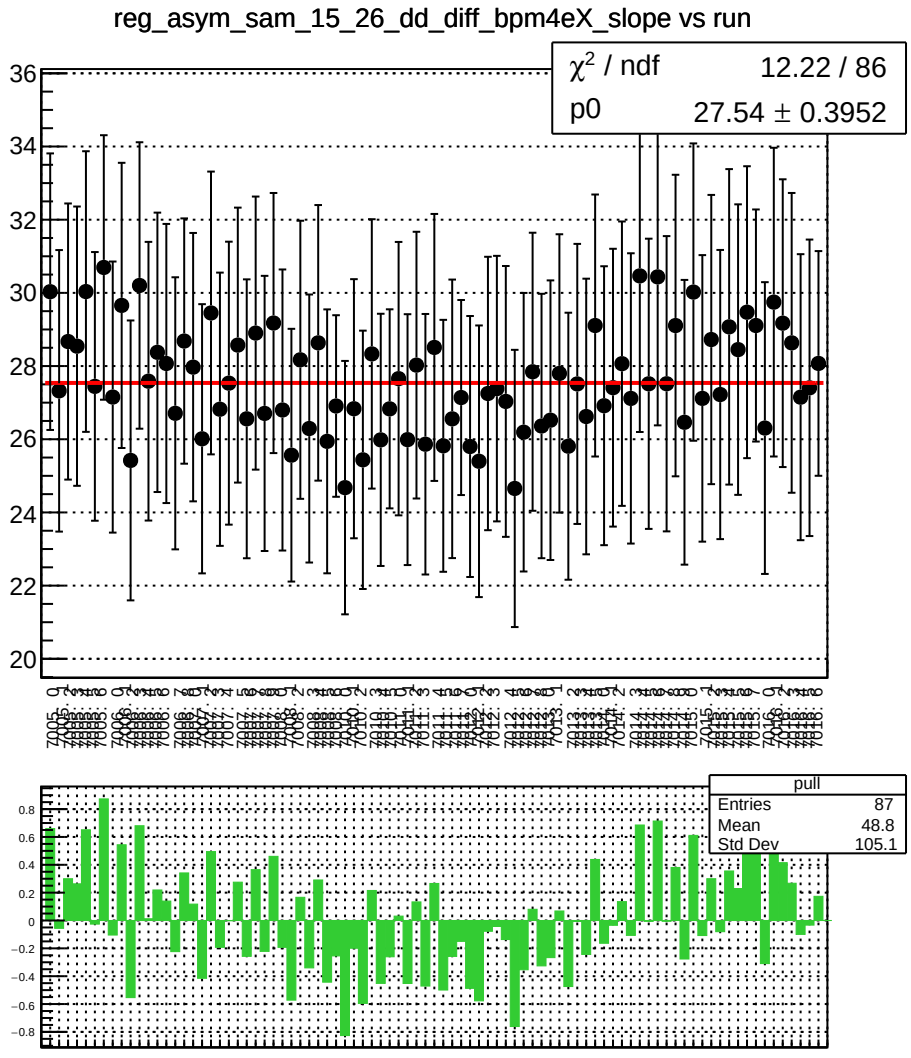

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 69.71 / 86
p0 0.2167 ± 0.01433
pull
Entries 87
Mean 596.3
Std Dev 549.6
pull1D
Entries 87
Mean 0.03641
Std Dev 0.8944

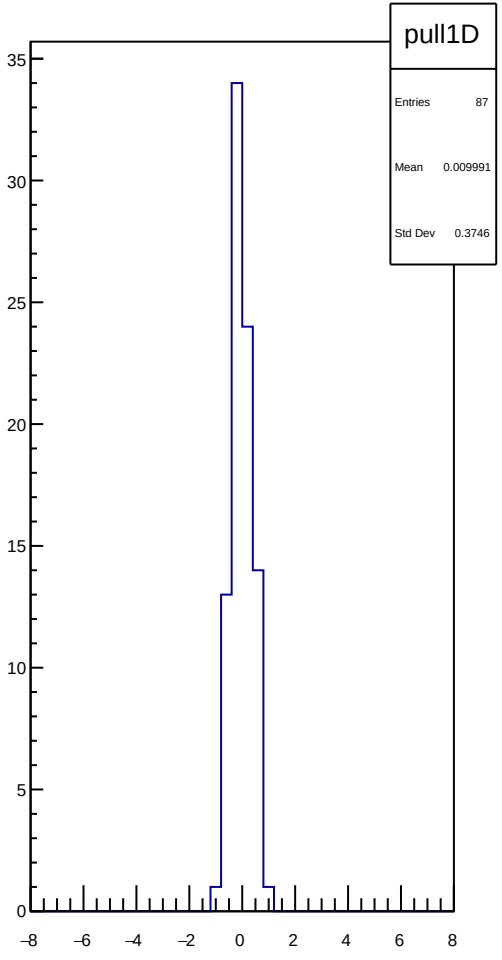

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.4 / 86
p0 3.336 ± 0.4261
pull
Entries 87
Mean 116.4
Std Dev 84.52

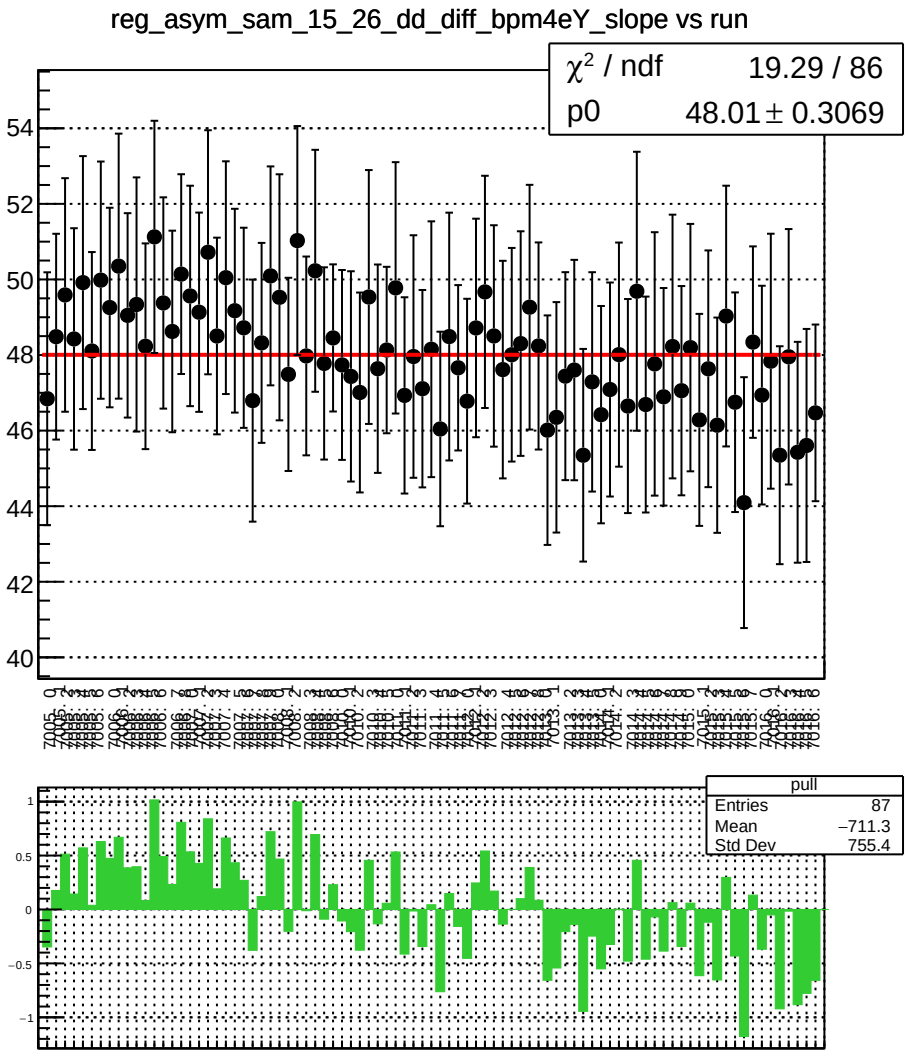

pull1D
Entries 87
Mean −0.009989
Std Dev 0.3286

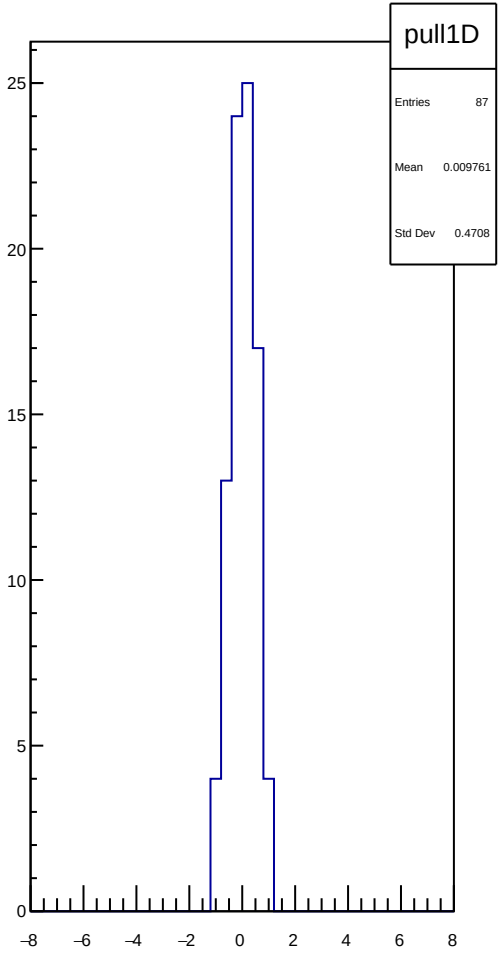

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.212 / 86
p0 −4.821 ± 0.2916
pull
Entries 87
Mean −6962
Std Dev 7004

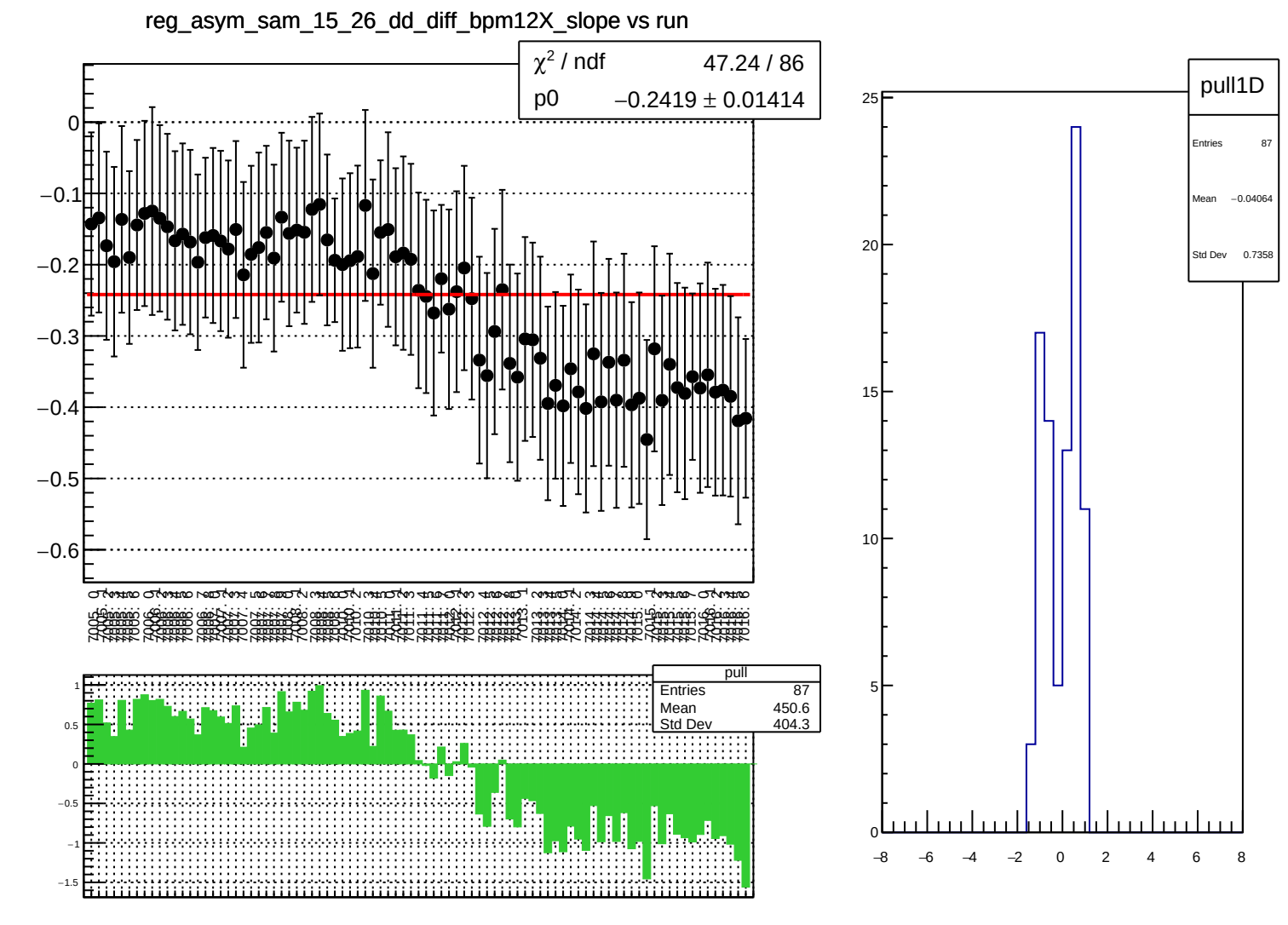

pull1D
Entries 87
Mean −0.0004734
Std Dev 0.2672

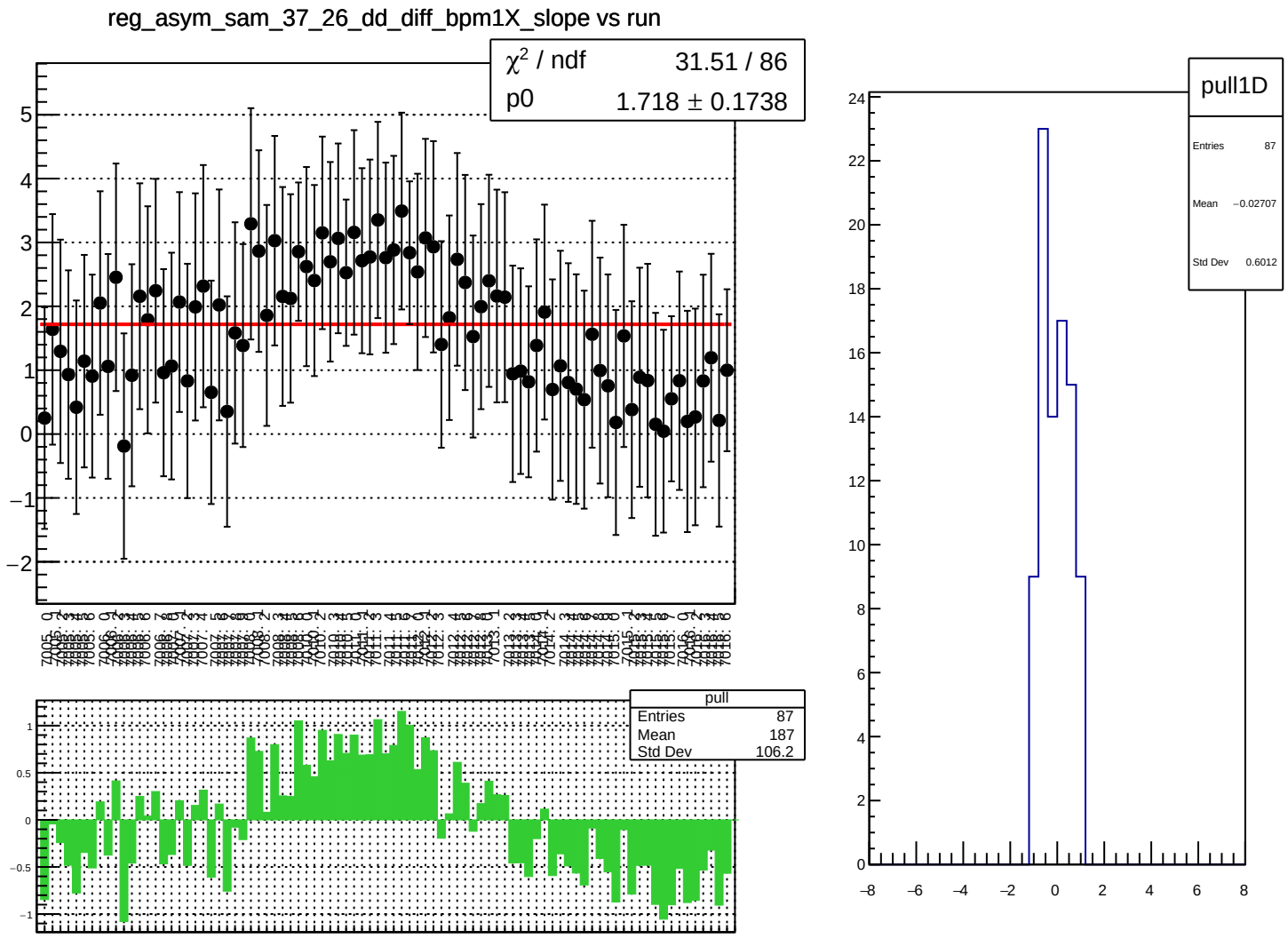

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.22 / 86
p0 27.54 ± 0.3952
pull
Entries 87
Mean 48.8
Std Dev 105.1

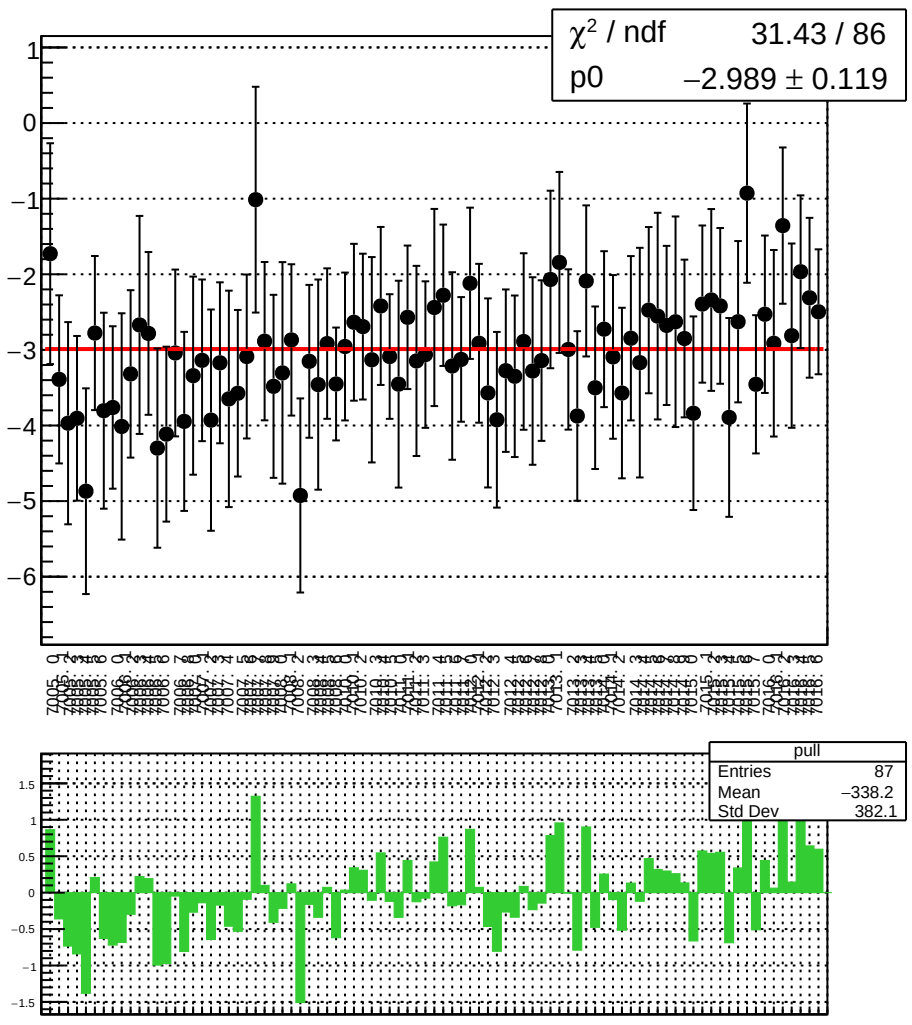

pull1D
Entries 87
Mean 0.009991
Std Dev 0.3746

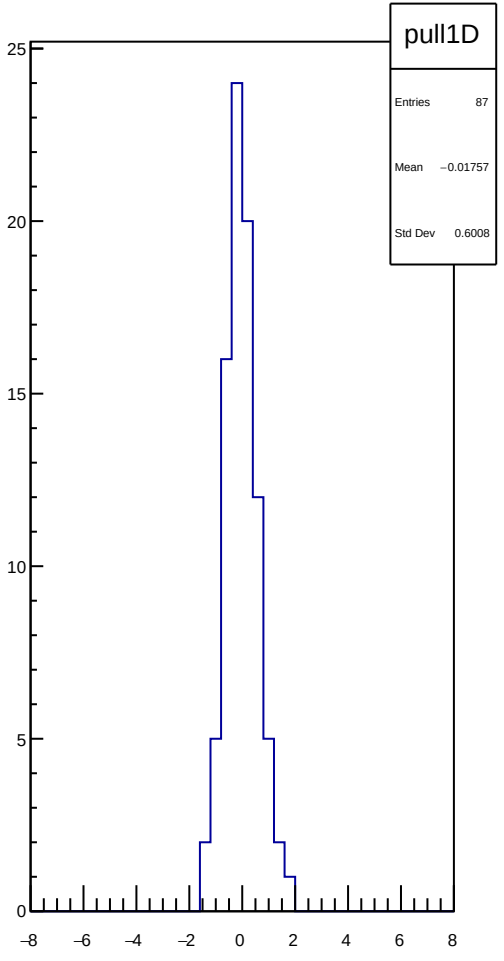

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.29 / 86
p0 48.01 ± 0.3069
pull
Entries 87
Mean −711.3
Std Dev 755.4

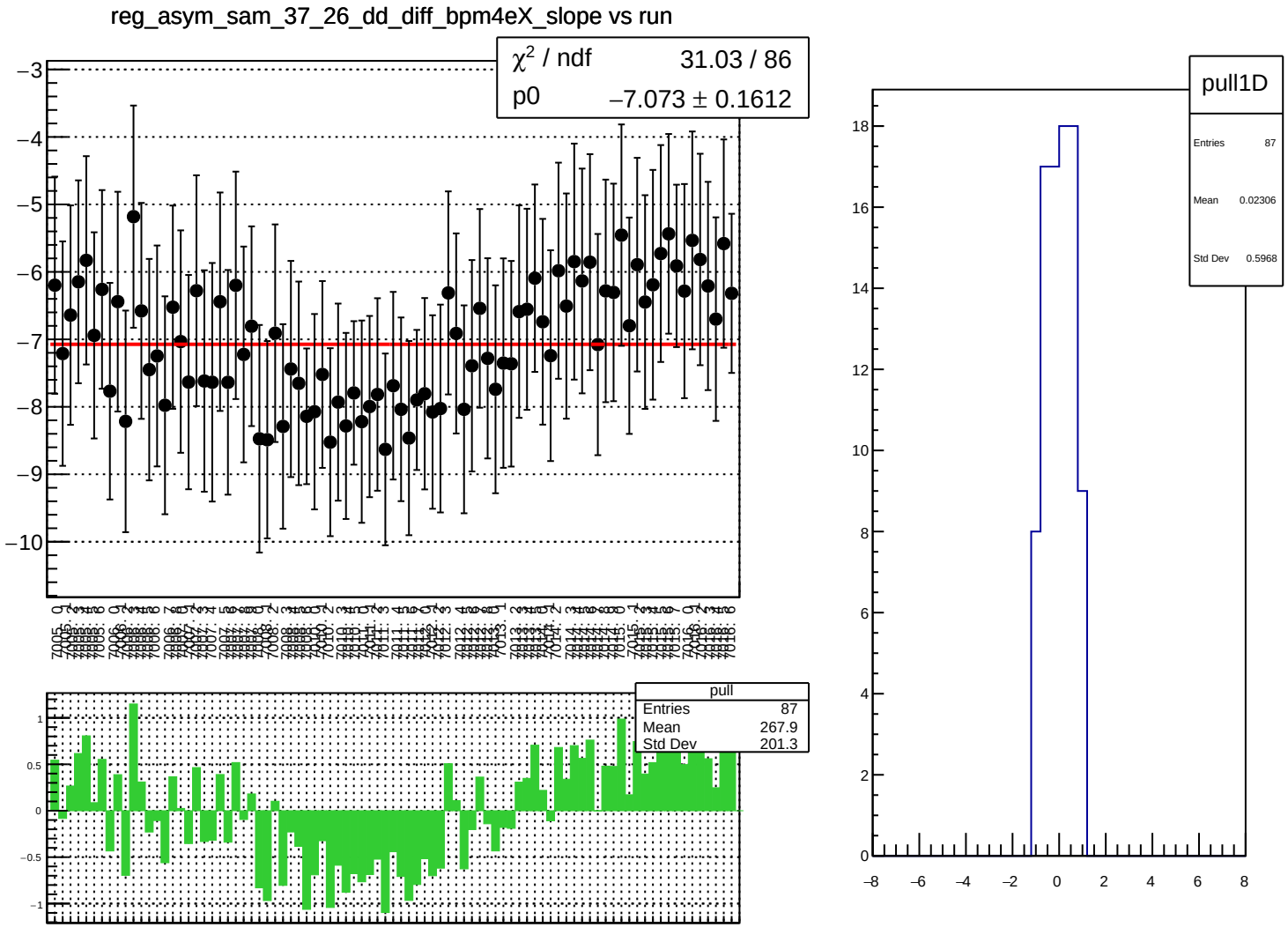

pull1D
Entries 87
Mean 0.009761
Std Dev 0.4708

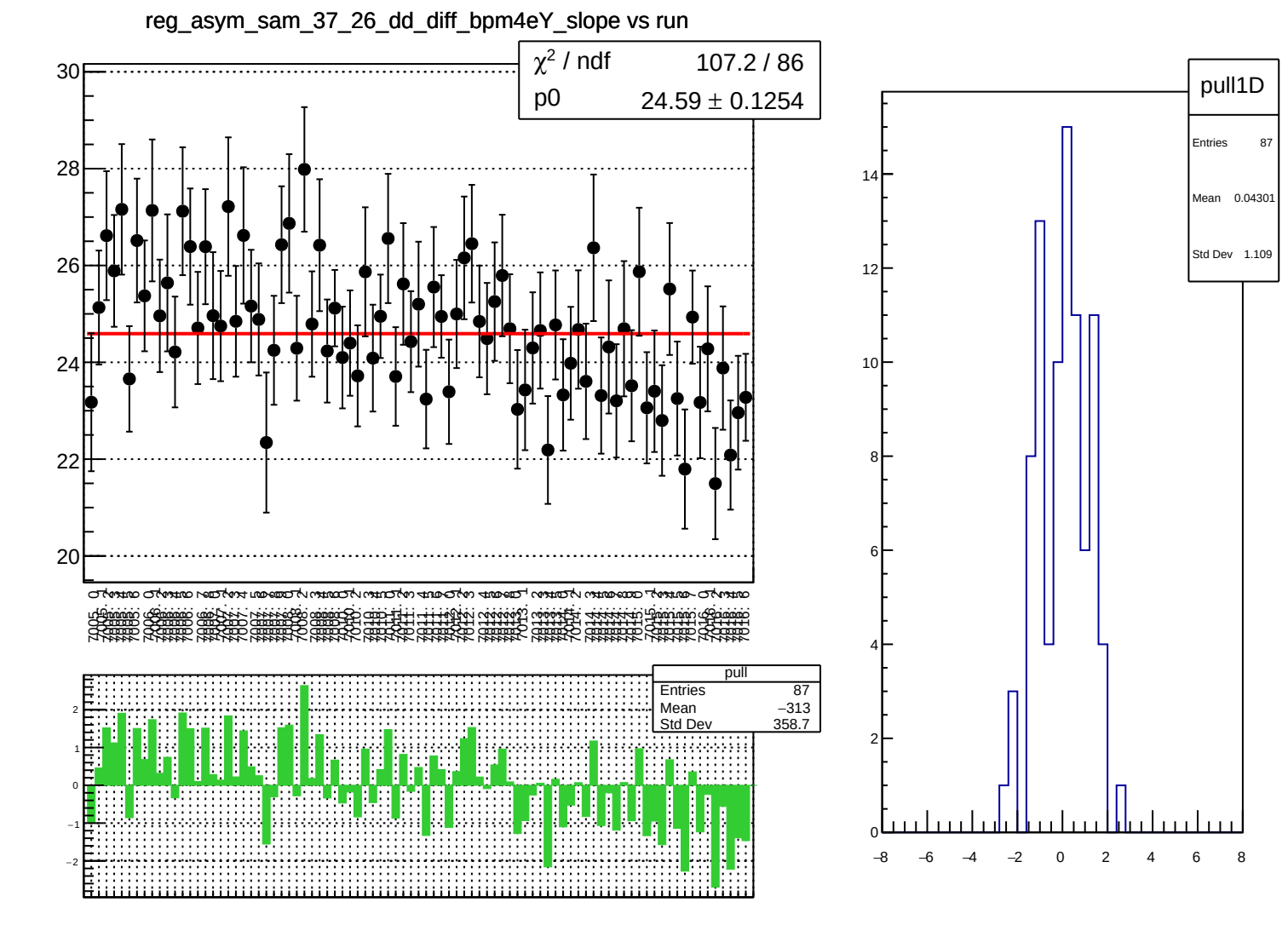

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 47.24 / 86
p0 −0.2419 ± 0.01414
pull
Entries 87
Mean 450.6
Std Dev 404.3
pull1D
Entries 87
Mean −0.04064
Std Dev 0.7358

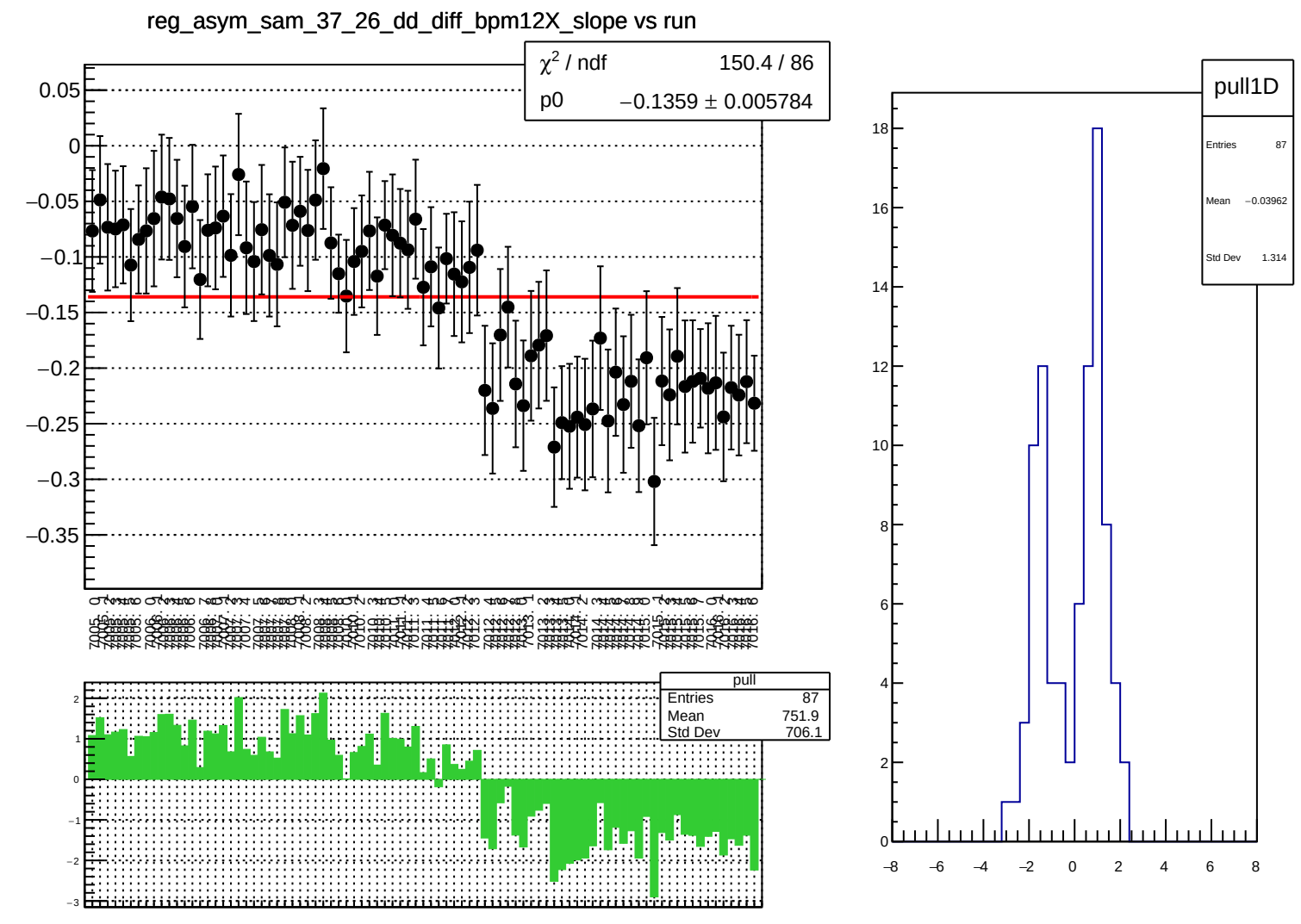

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 31.51 / 86
p0 1.718 ± 0.1738
pull
Entries 87
Mean 187
Std Dev 106.2
pull1D
Entries 87
Mean −0.02707
Std Dev 0.6012

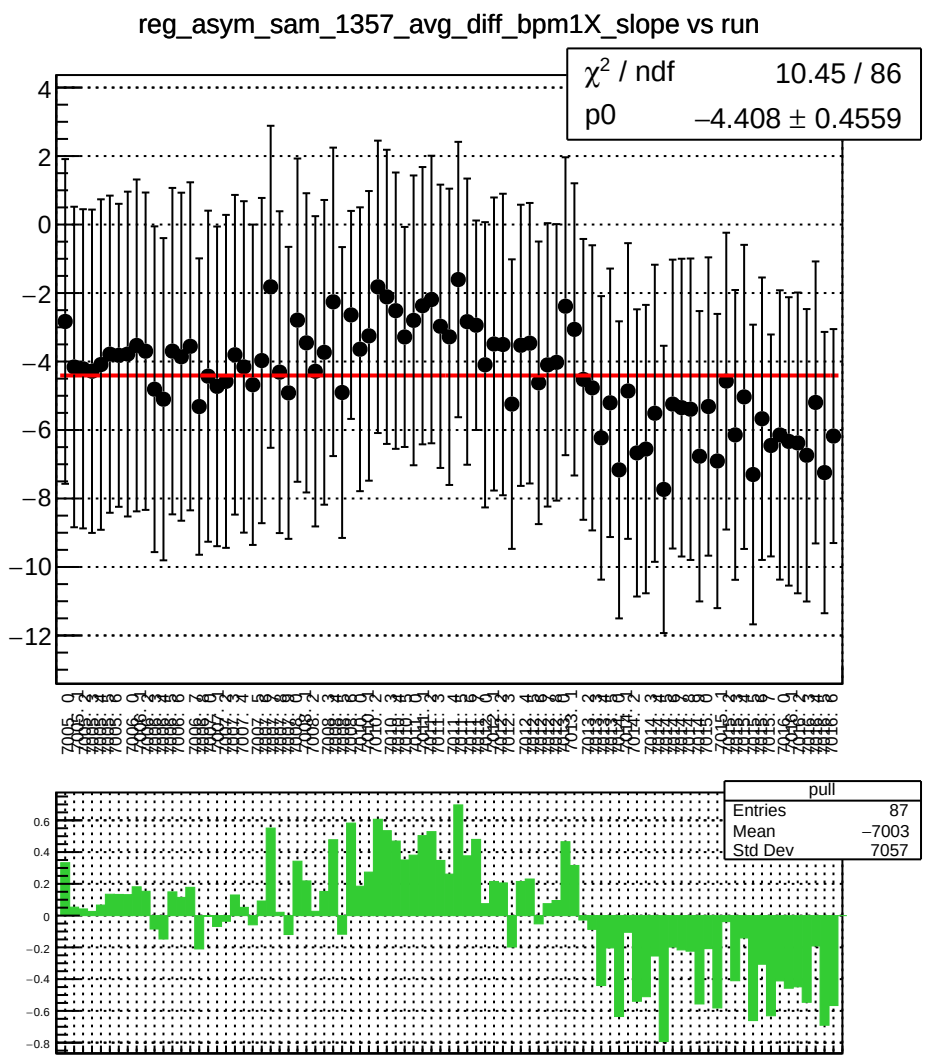

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.43 / 86
p0 −2.989 ± 0.119
pull
Entries 87
Mean −338.2
Std Dev 382.1

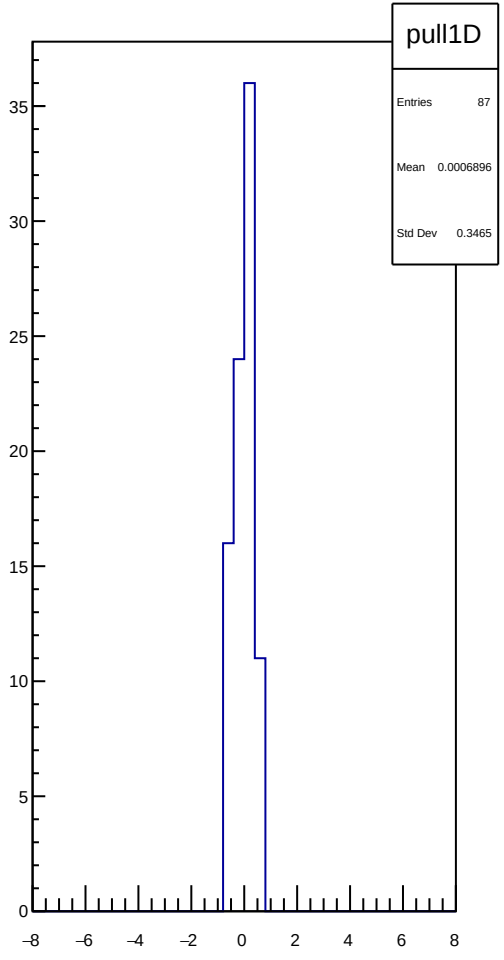

pull1D
Entries 87
Mean −0.01757
Std Dev 0.6008

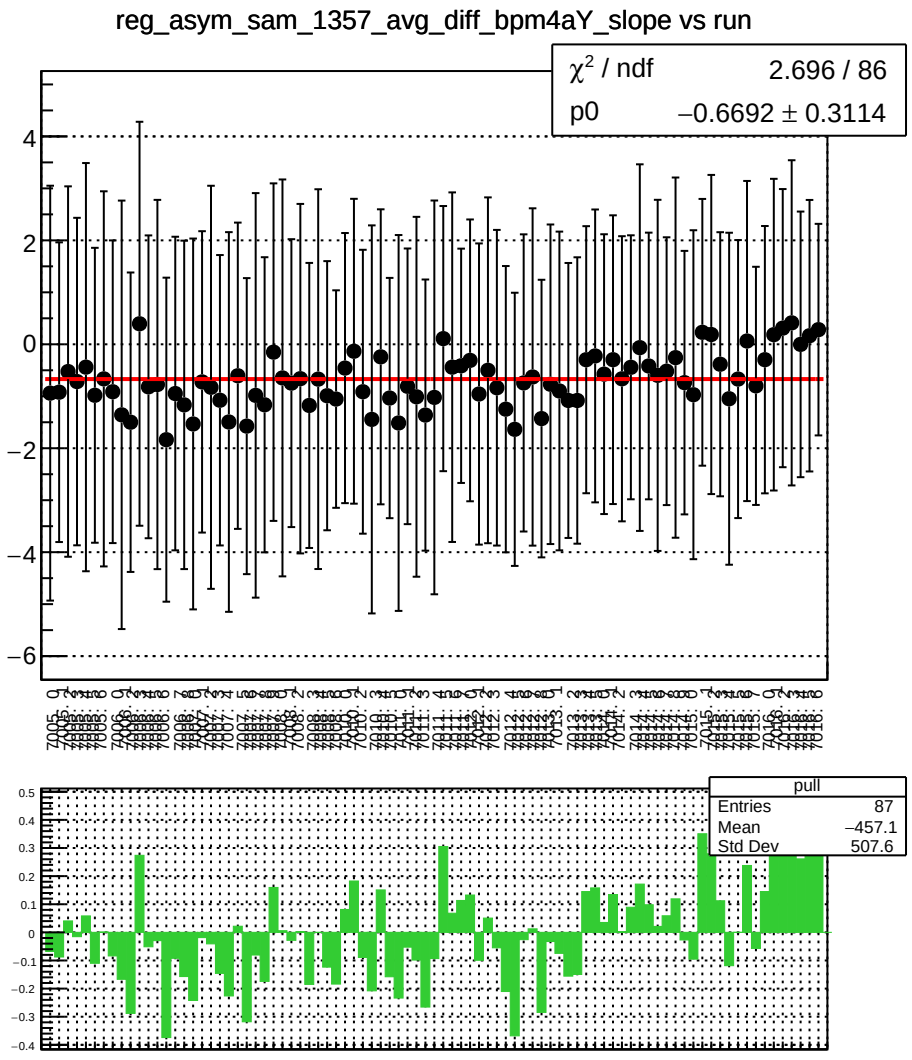

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.03 / 86
p0 −7.073 ± 0.1612
pull
Entries 87
Mean 267.9
Std Dev 201.3
pull1D
Entries 87
Mean 0.02306
Std Dev 0.5968

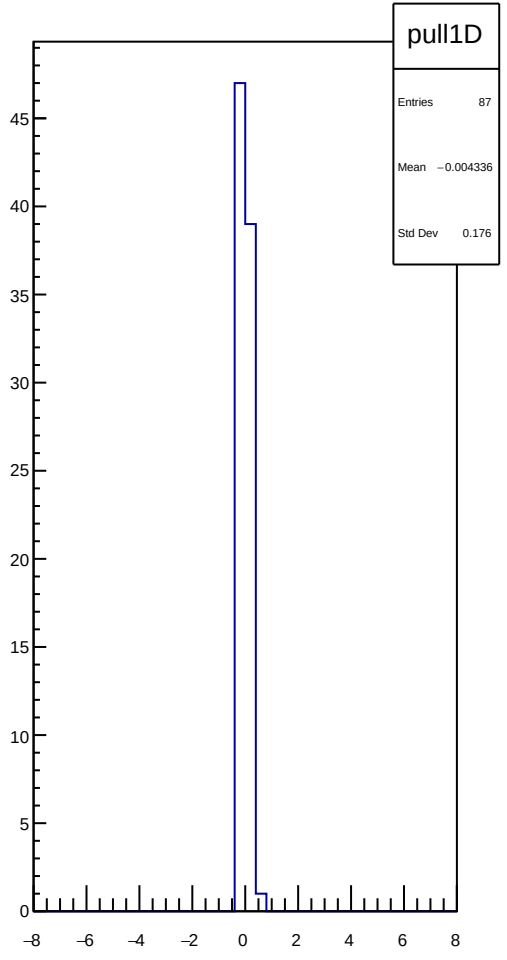

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.2 / 86
p0 24.59 ± 0.1254
pull
Entries 87
Mean −313
Std Dev 358.7
pull1D
Entries 87
Mean 0.04301
Std Dev 1.109

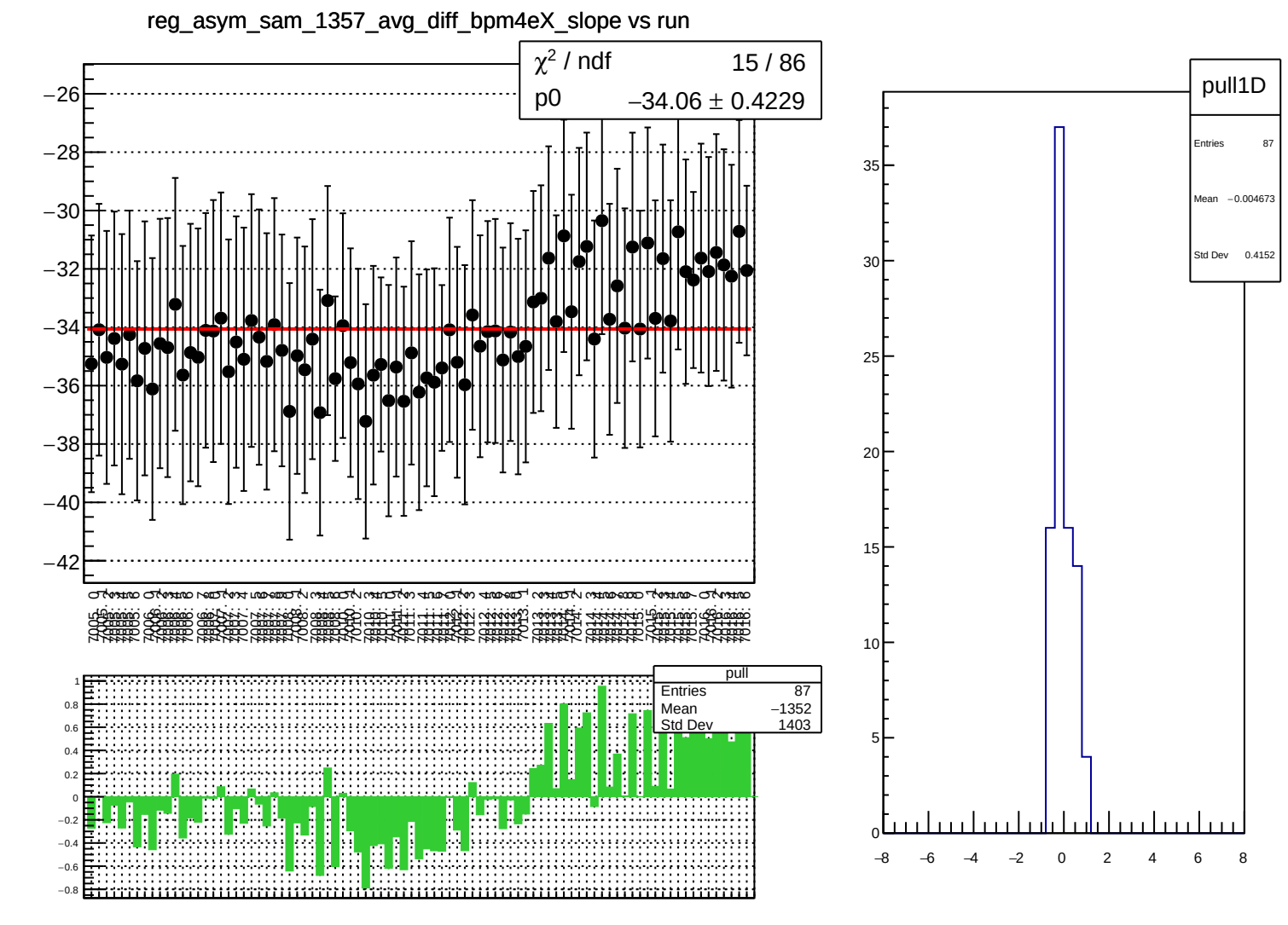

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 150.4 / 86
p0 −0.1359 ± 0.005784
pull
Entries 87
Mean 751.9
Std Dev 706.1
pull1D
Entries 87
Mean −0.03962
Std Dev 1.314

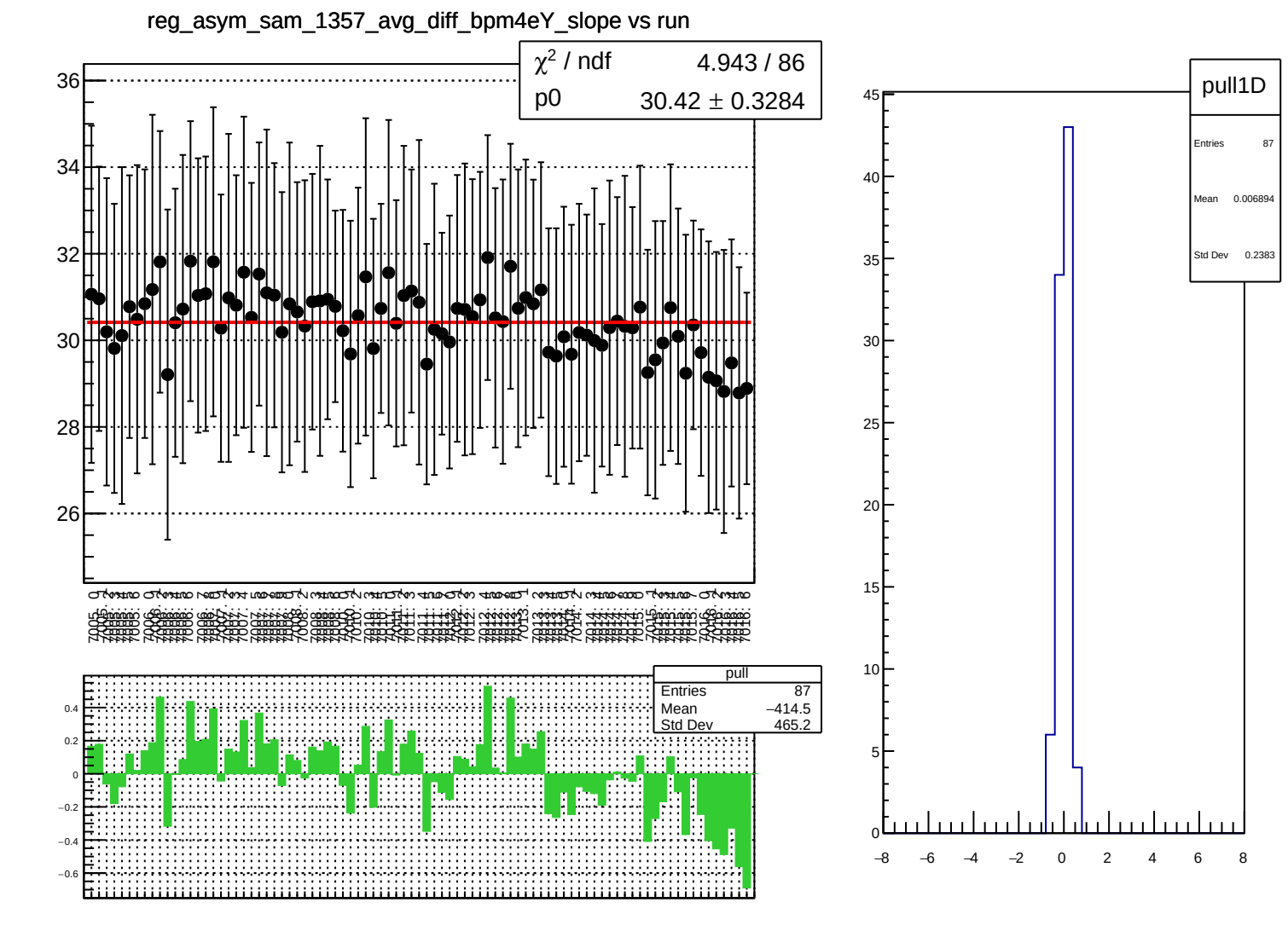

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 10.45 / 86
p0 −4.408 ± 0.4559
pull
Entries 87
Mean −7003
Std Dev 7057

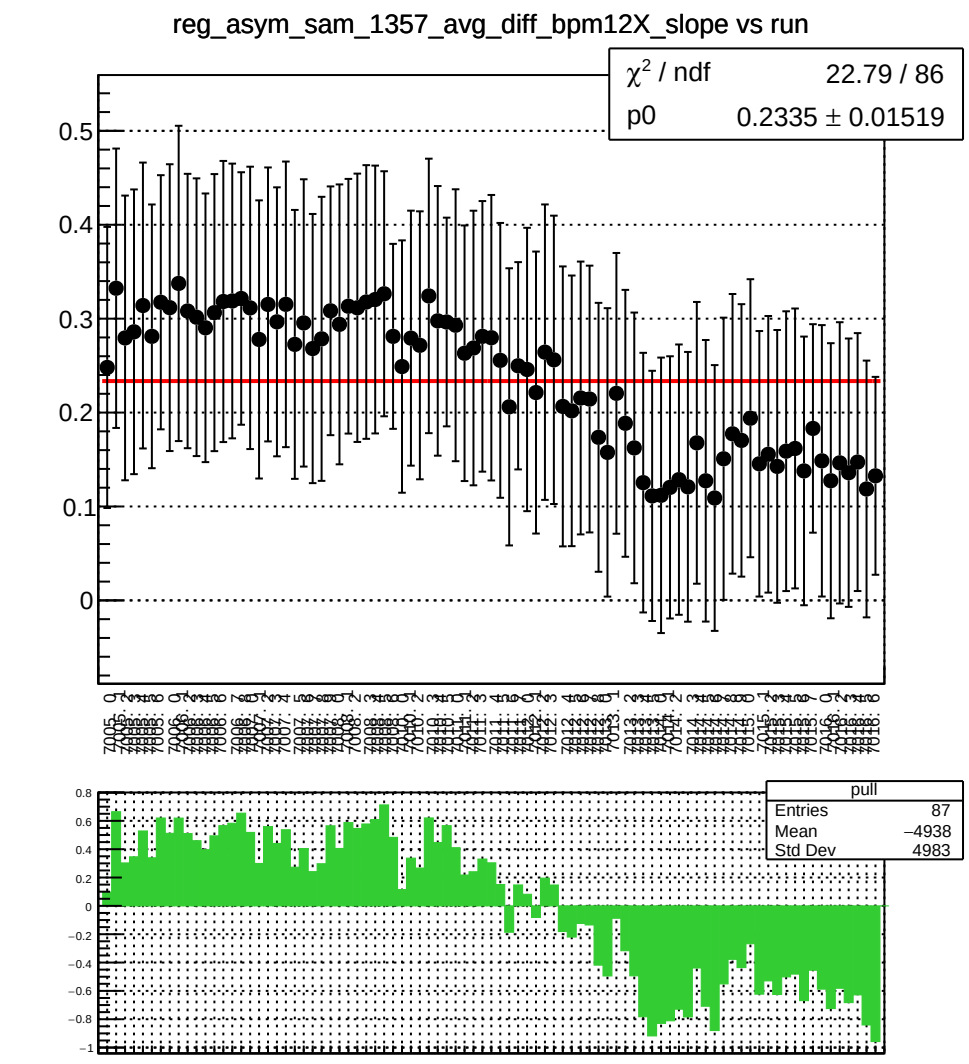

pull1D
Entries 87
Mean 0.0006896
Std Dev 0.3465

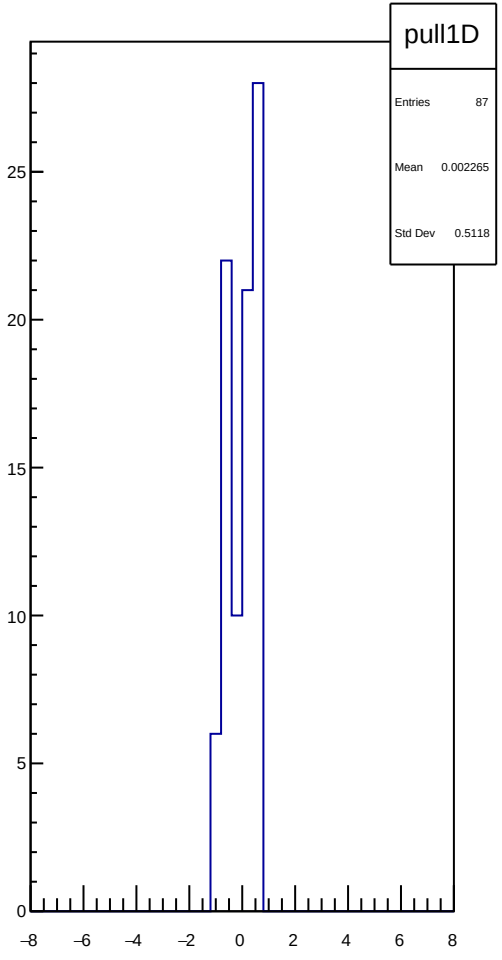

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.696 / 86
p0 −0.6692 ± 0.3114
pull
Entries 87
Mean −457.1
Std Dev 507.6

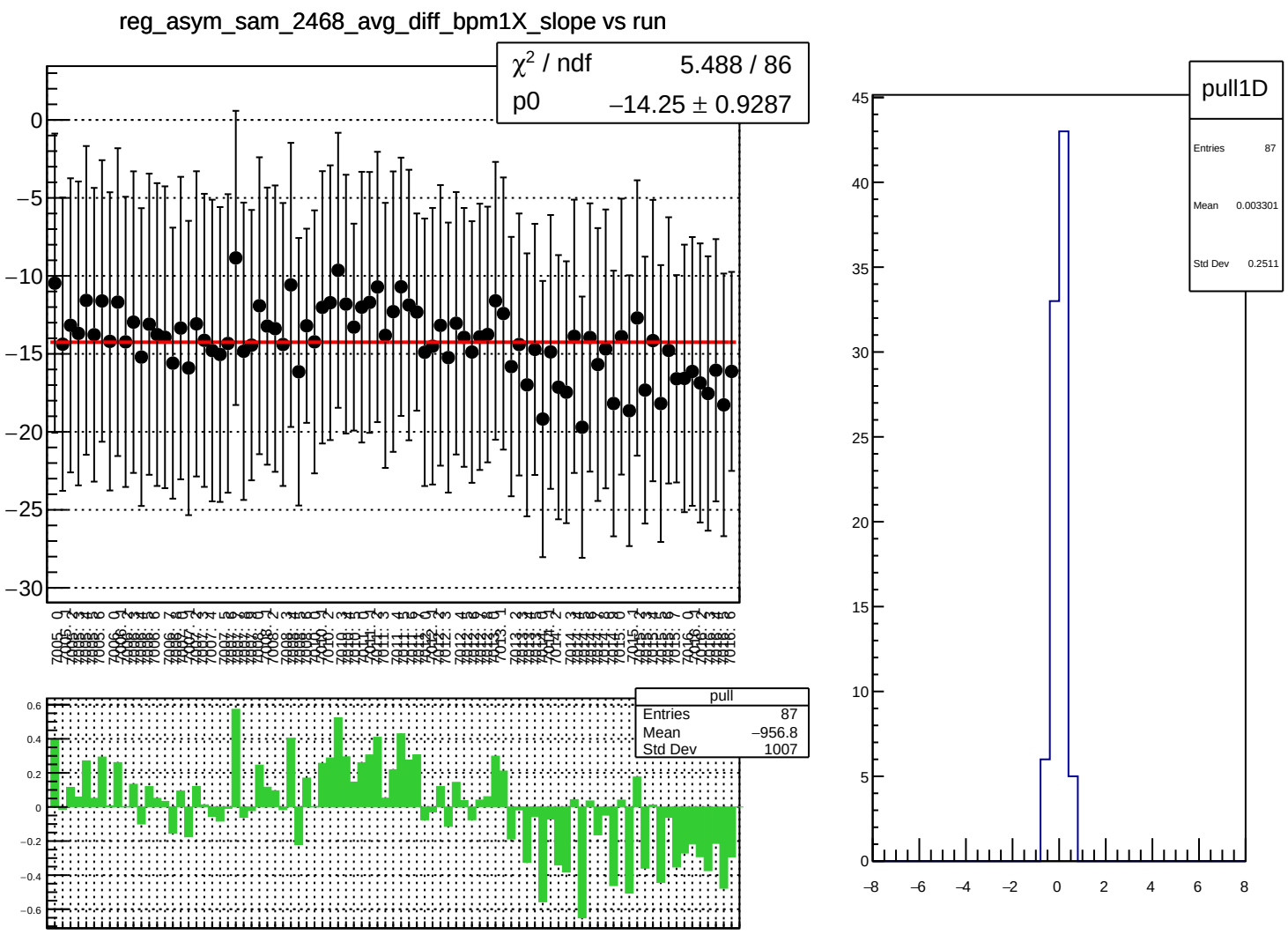

pull1D
Entries 87
Mean −0.004336
Std Dev 0.176

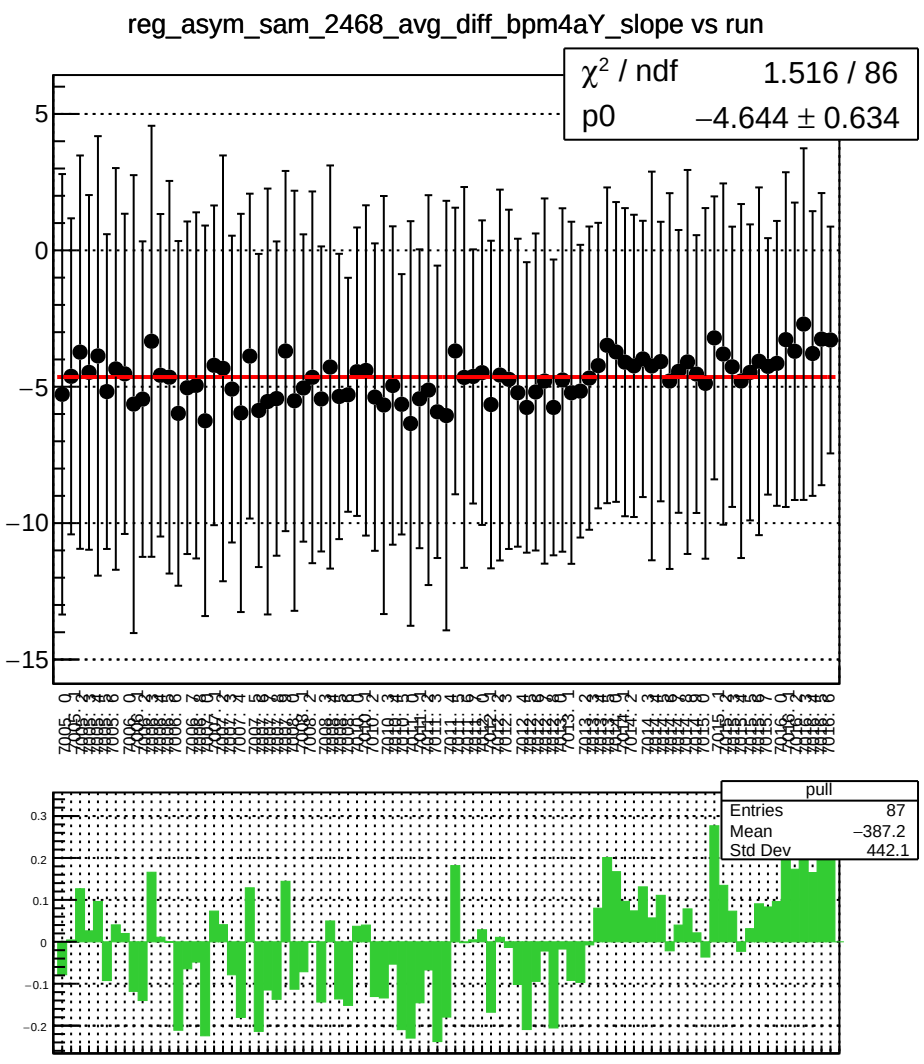

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 15 / 86
p0 −34.06 ± 0.4229
pull
Entries 87
Mean −1352
Std Dev 1403
pull1D
Entries 87
Mean −0.004673
Std Dev 0.4152

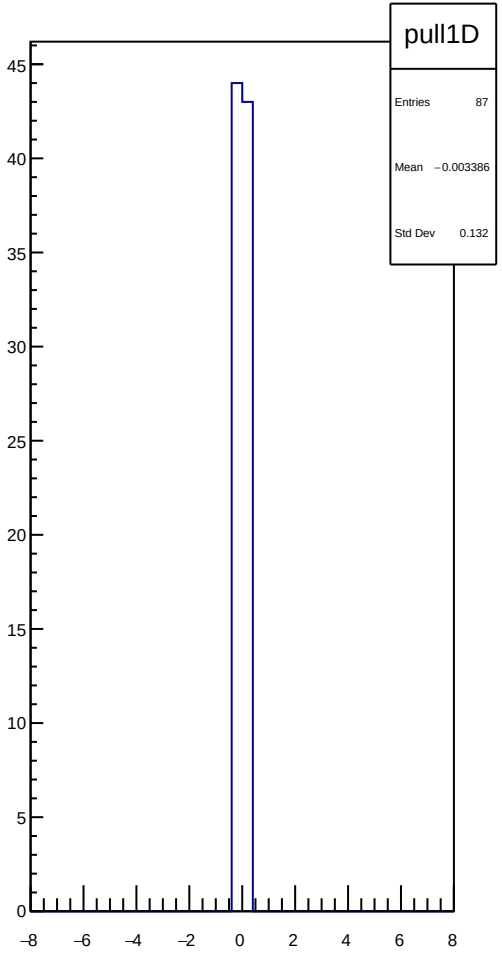

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.943 / 86
p0 30.42 ± 0.3284
pull
Entries 87
Mean −414.5
Std Dev 465.2
pull1D
Entries 87
Mean 0.006894
Std Dev 0.2383

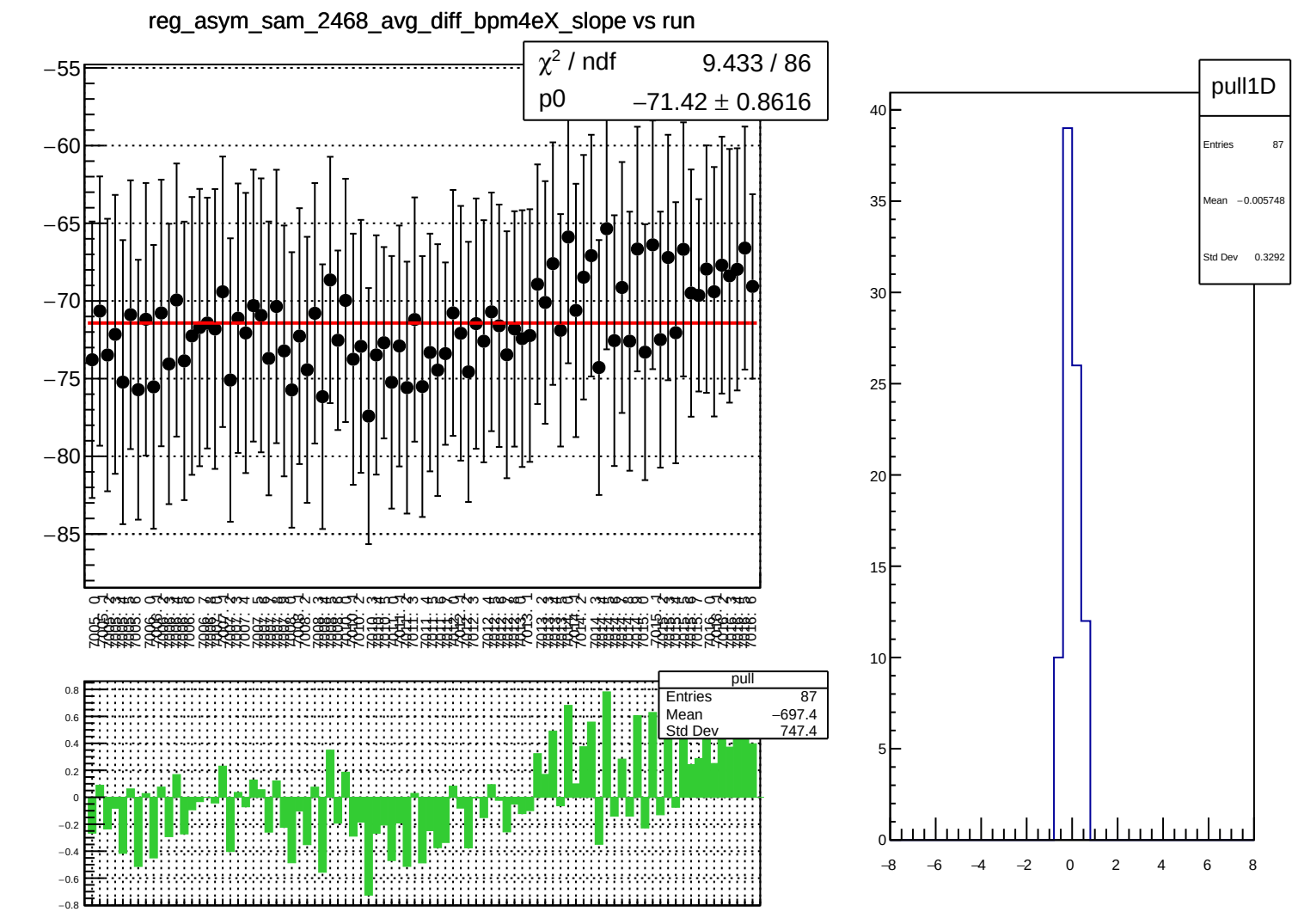

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 22.79 / 86
p0 0.2335 ± 0.01519
pull
Entries 87
Mean −4938
Std Dev 4983

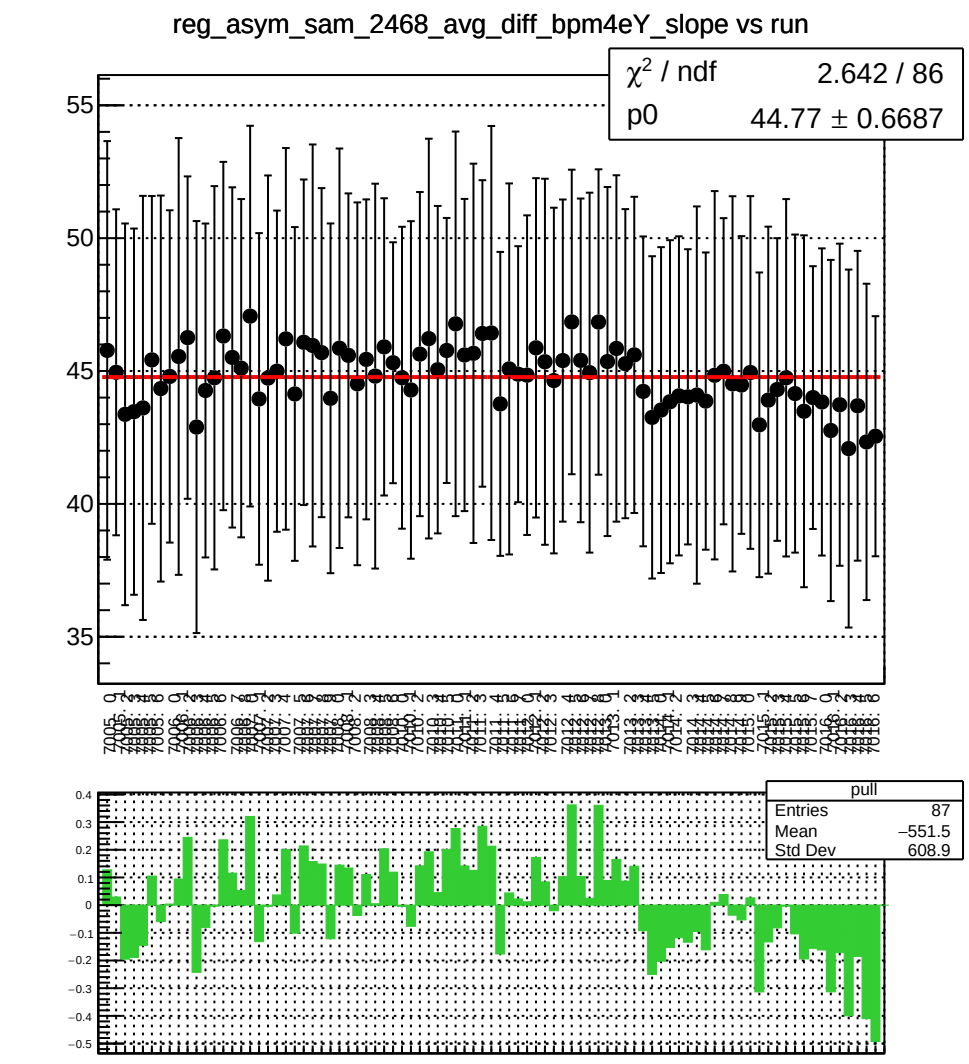

pull1D
Entries 87
Mean 0.002265
Std Dev 0.5118

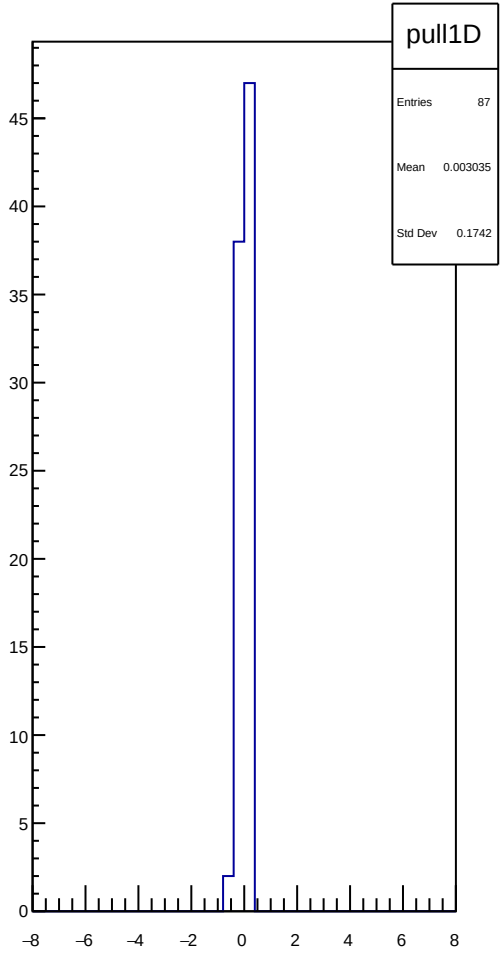

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 5.488 / 86
p0 −14.25 ± 0.9287
pull
Entries 87
Mean −956.8
Std Dev 1007
pull1D
Entries 87
Mean 0.003301
Std Dev 0.2511

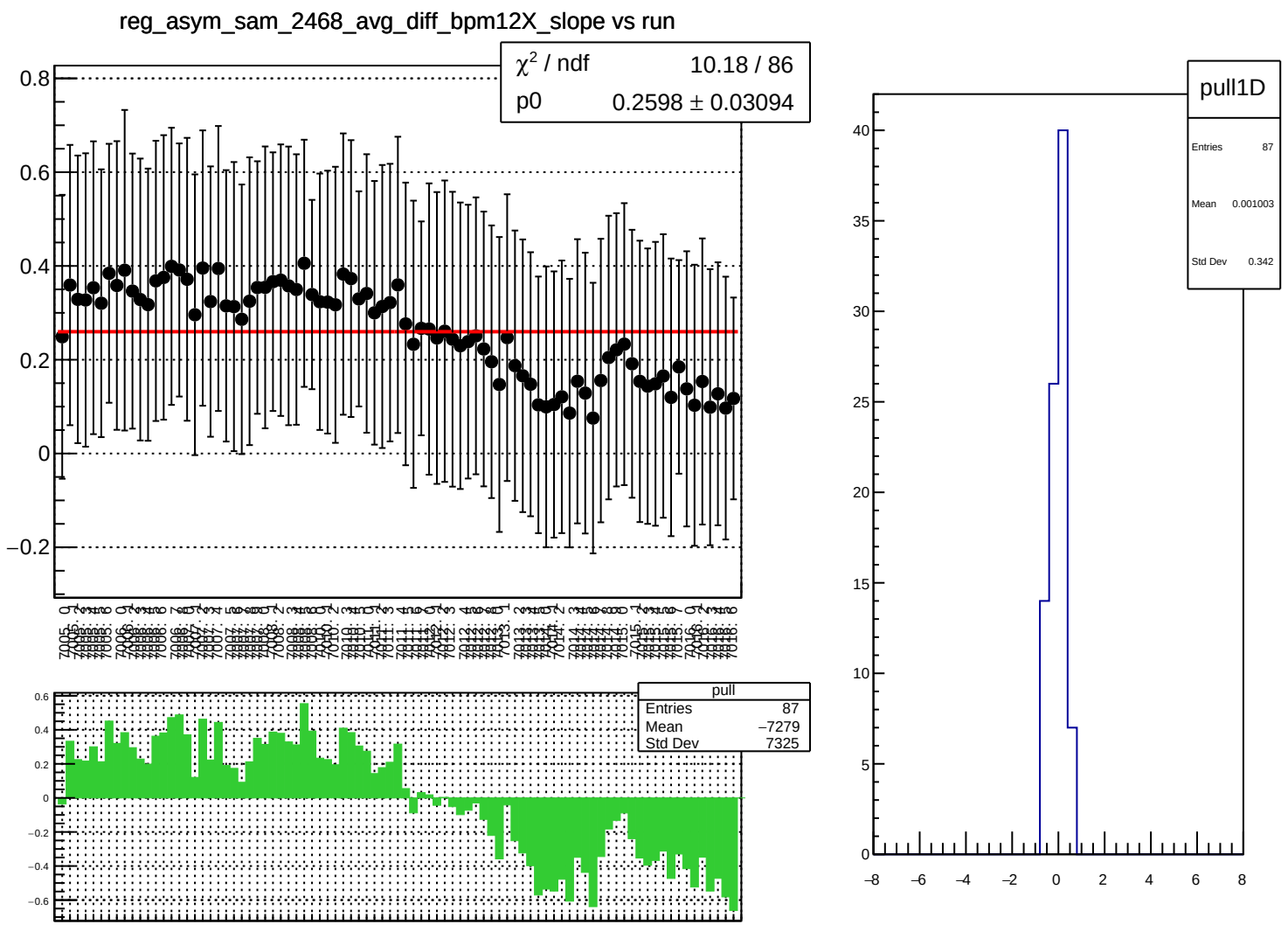

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.516 / 86
p0 −4.644 ± 0.634
pull
Entries 87
Mean −387.2
Std Dev 442.1

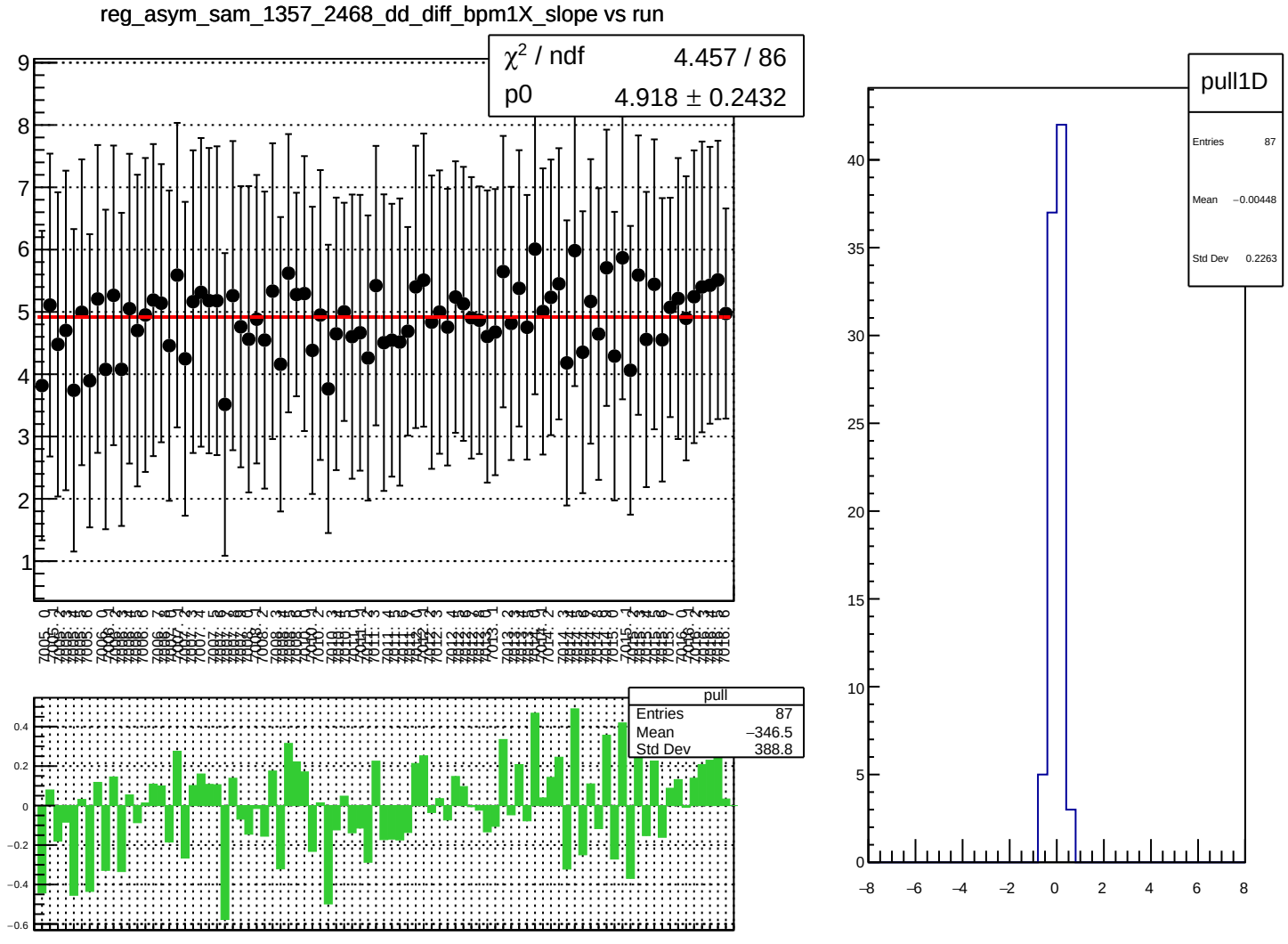

pull1D
Entries 87
Mean −0.003386
Std Dev 0.132

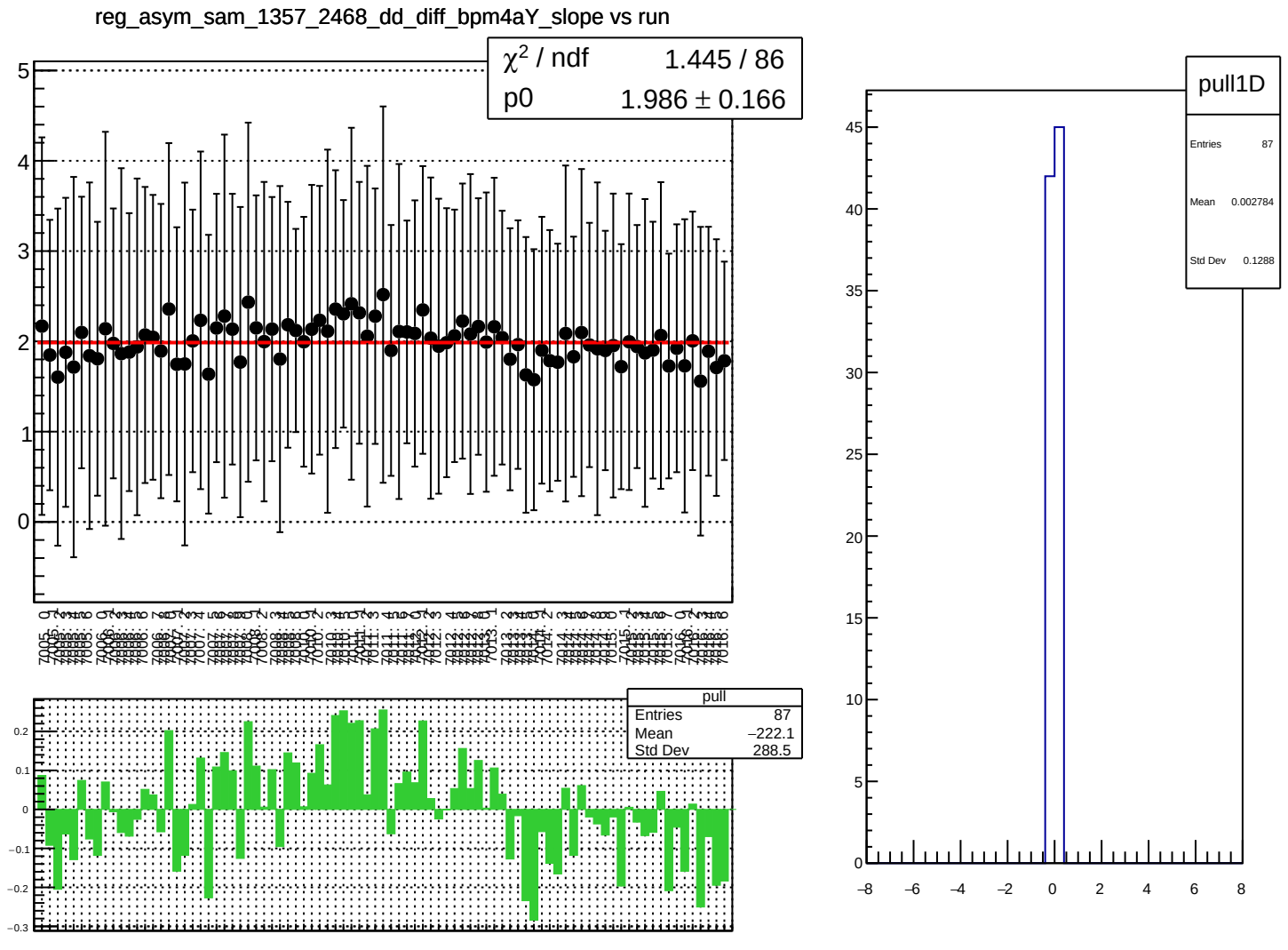

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.433 / 86
p0 −71.42 ± 0.8616
pull
Entries 87
Mean −697.4
Std Dev 747.4
pull1D
Entries 87
Mean −0.005748
Std Dev 0.3292

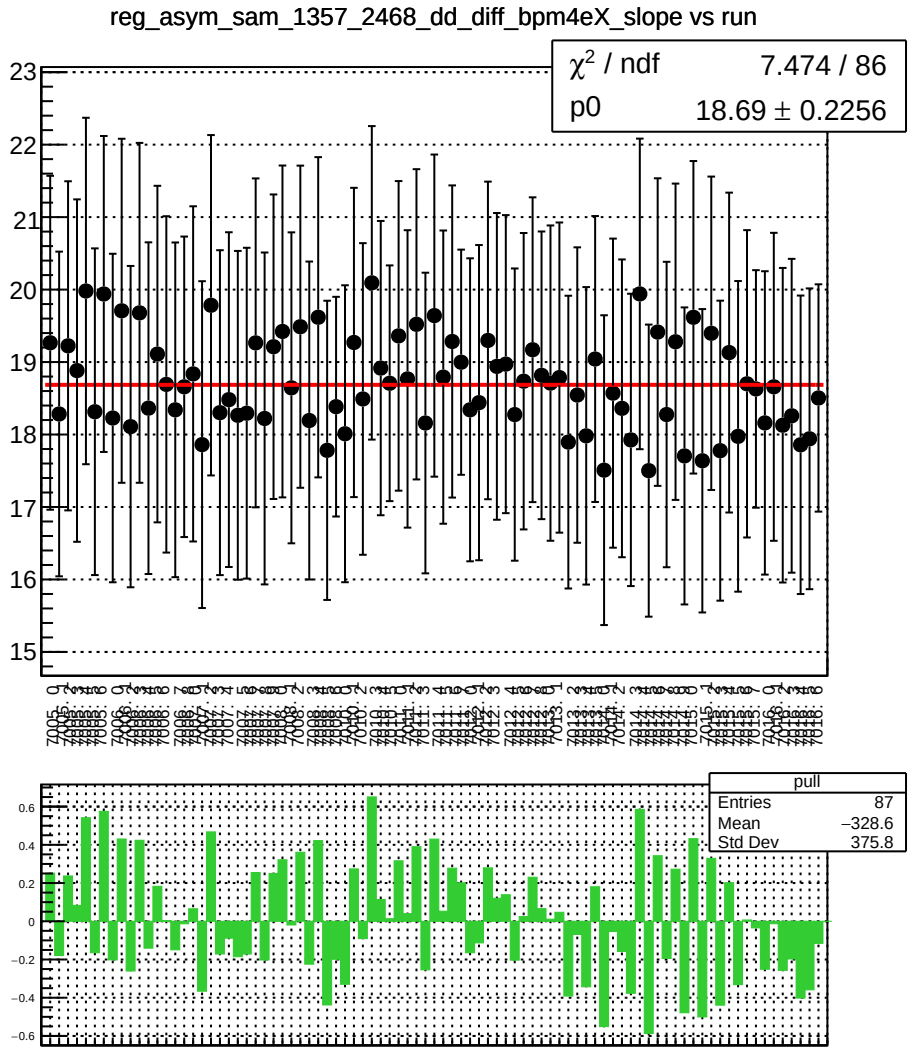

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.642 / 86
p0 44.77 ± 0.6687
55
50
45
40
35
pull
Entries 87
Mean −551.5
Std Dev 608.9
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

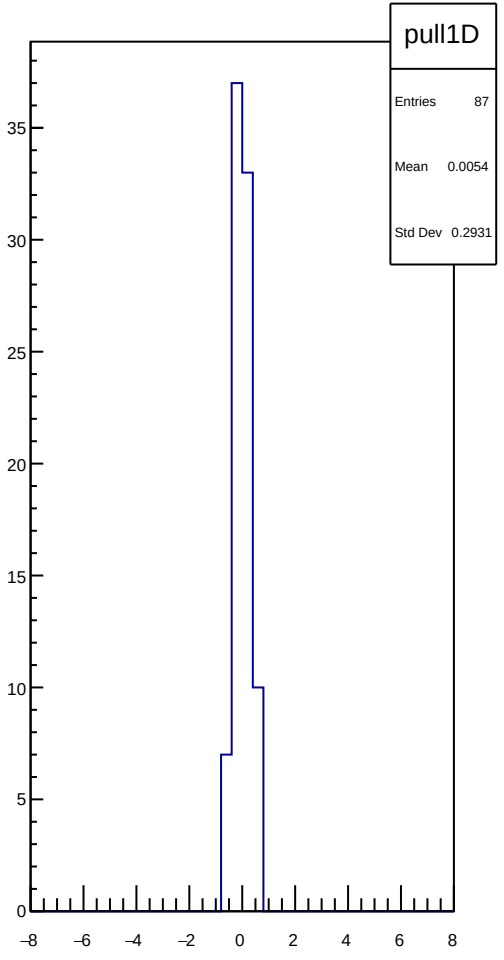

pull1D
Entries 87
Mean 0.003035
Std Dev 0.1742
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

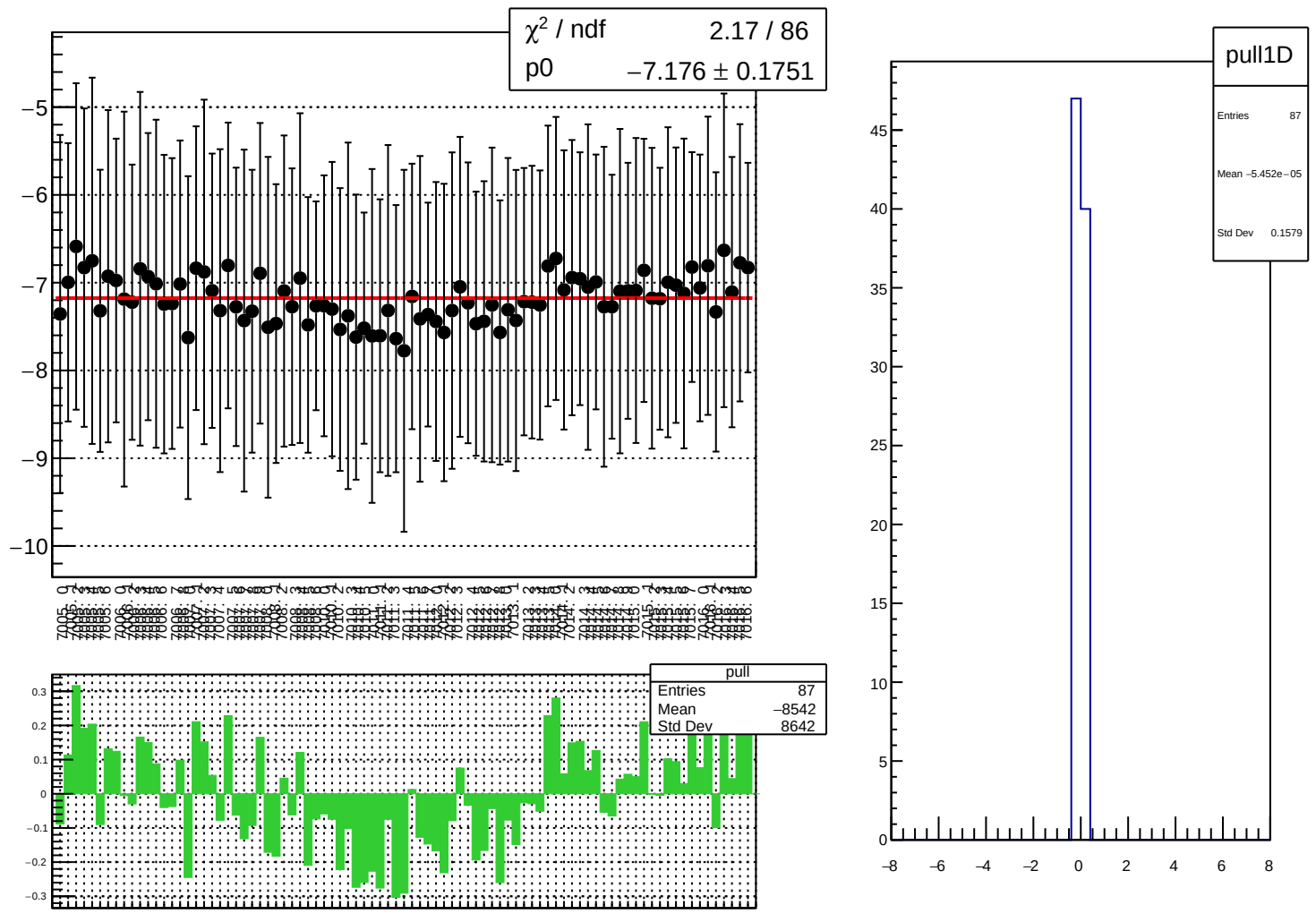

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 10.18 / 86
p0 0.2598 ± 0.03094
pull
Entries 87
Mean −7279
Std Dev 7325
pull1D
Entries 87
Mean 0.001003
Std Dev 0.342

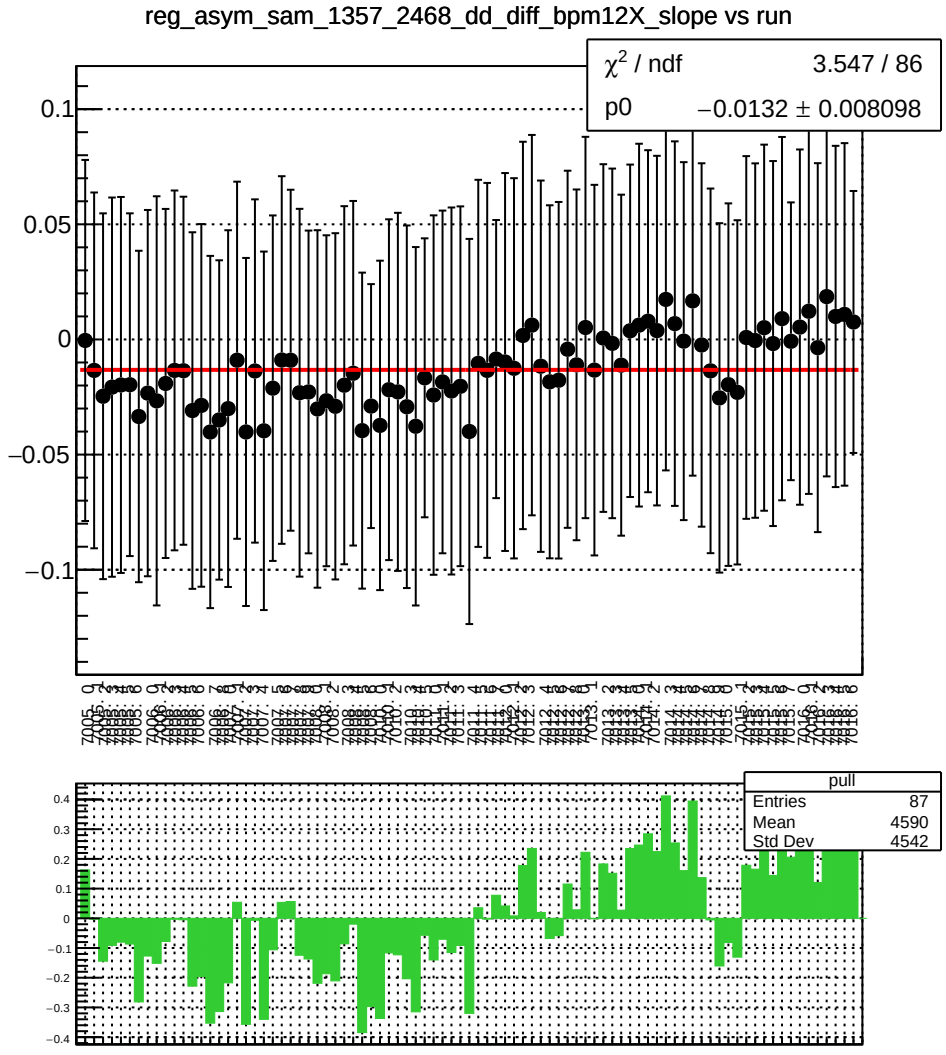

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 4.457 / 86
p0 4.918 ± 0.2432
pull
Entries 87
Mean −346.5
Std Dev 388.8
pull1D
Entries 87
Mean −0.00448
Std Dev 0.2263

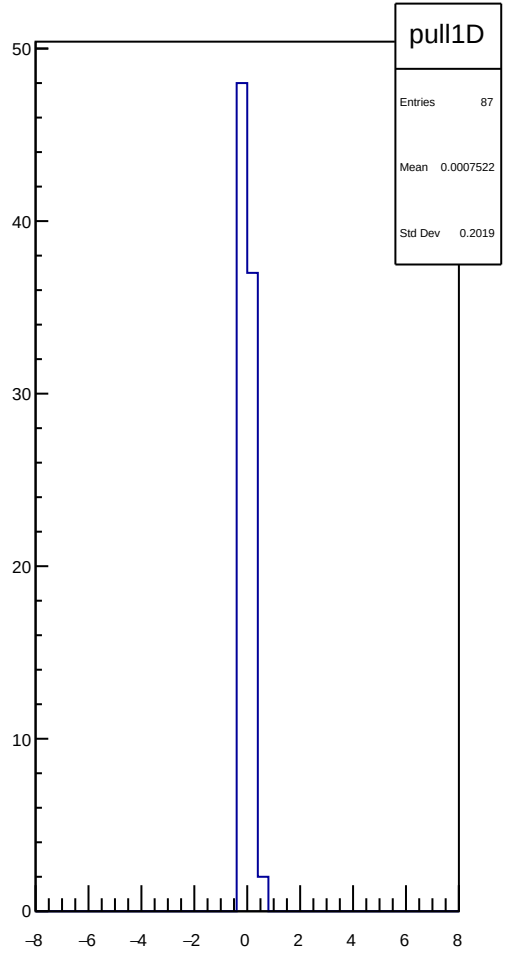

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.445 / 86
p0 1.986 ± 0.166
pull
Entries 87
Mean −222.1
Std Dev 288.5
pull1D
Entries 87
Mean 0.002784
Std Dev 0.1288

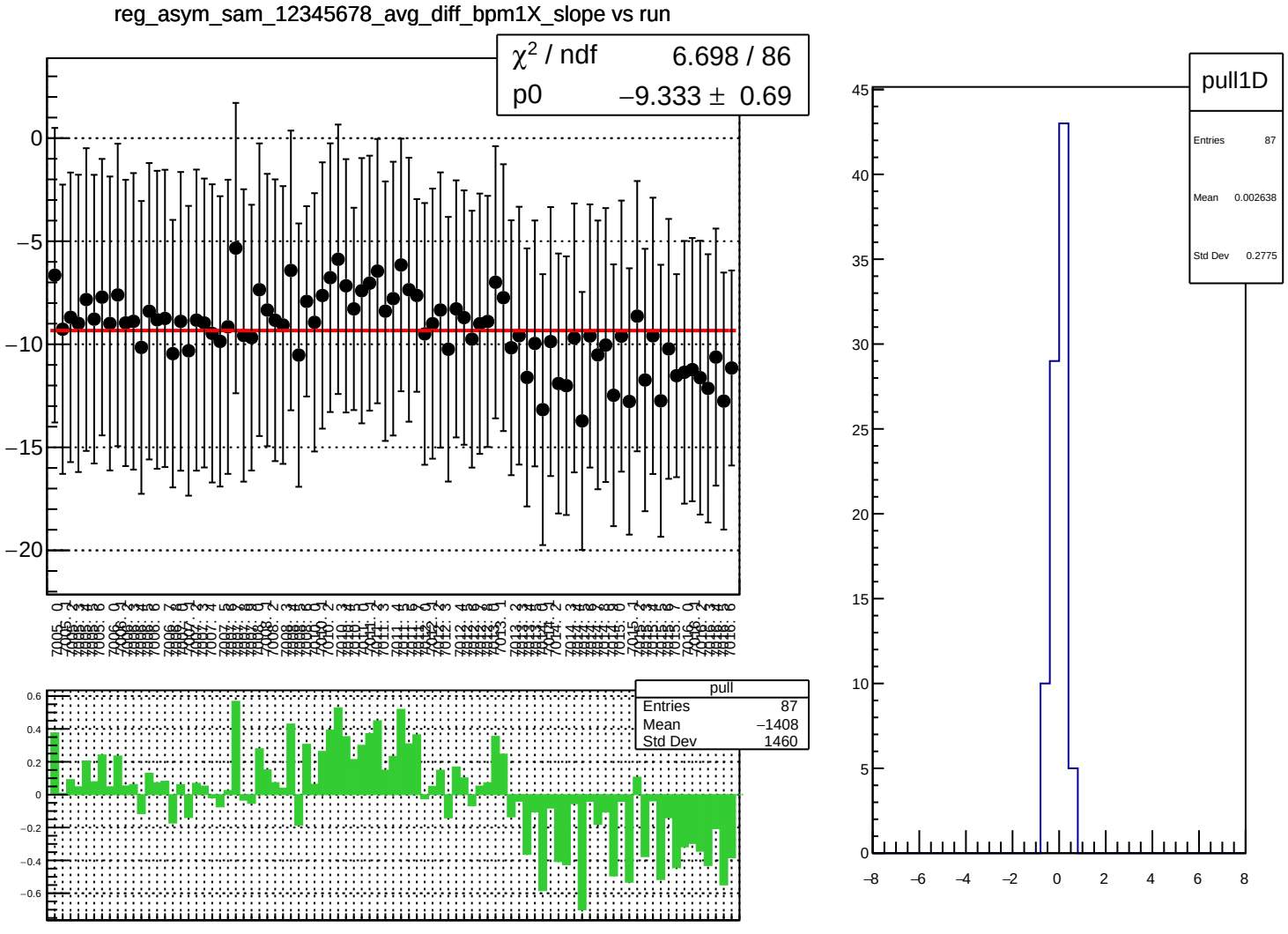

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.474 / 86
p0 18.69 ± 0.2256
pull
Entries 87
Mean −328.6
Std Dev 375.8

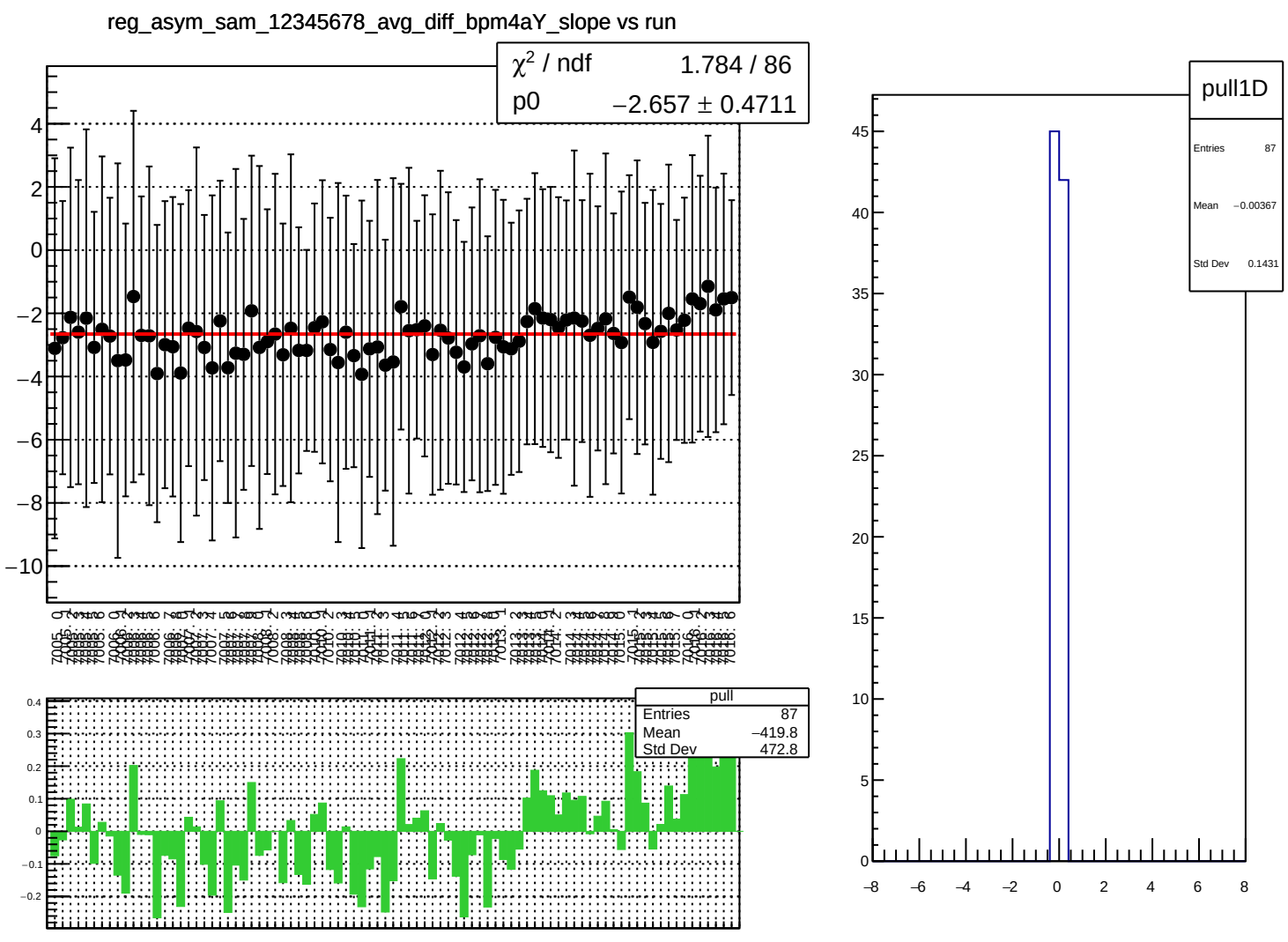

pull1D
Entries 87
Mean 0.0054
Std Dev 0.2931

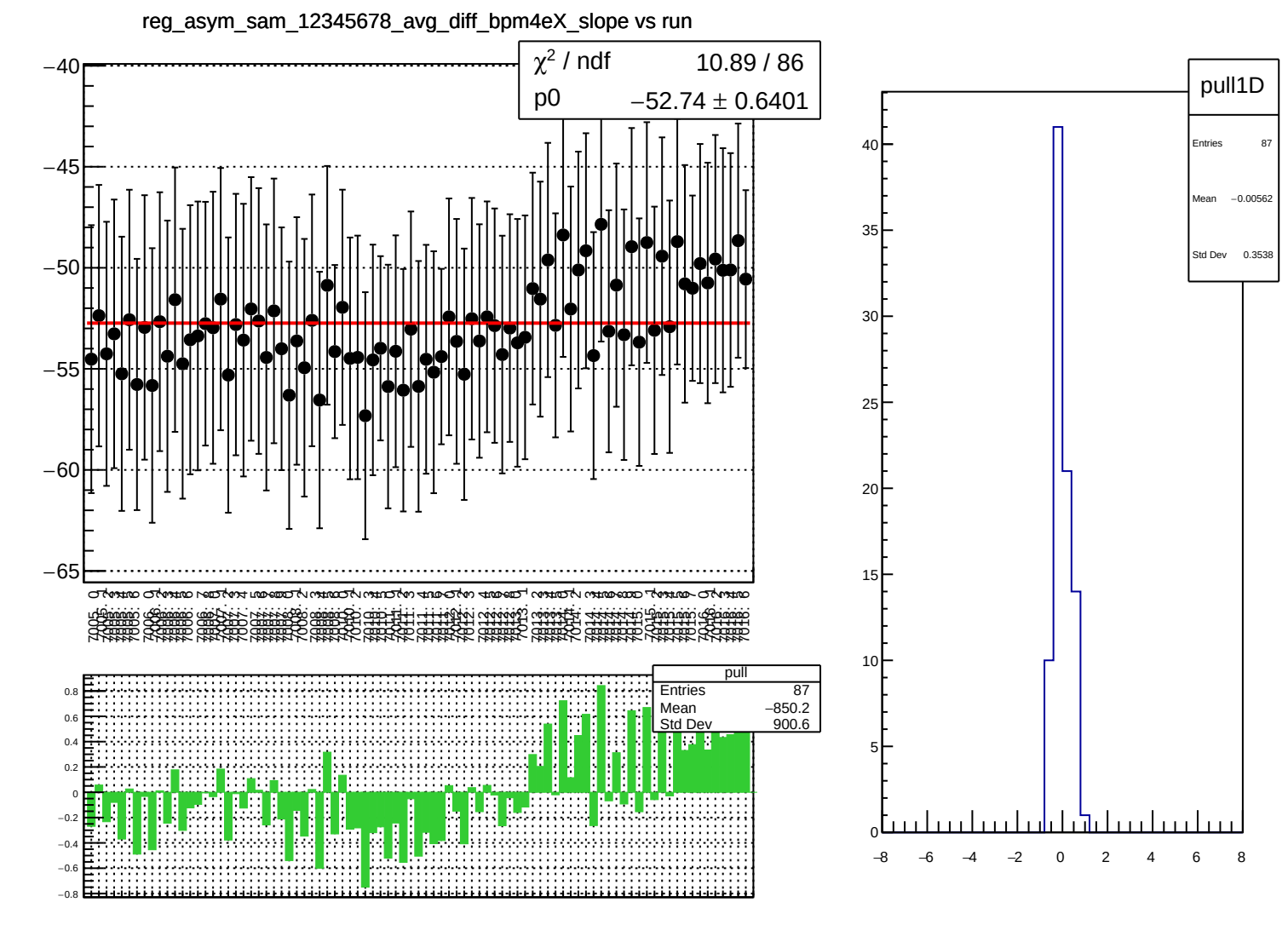

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.17 / 86
p0 −7.176 ± 0.1751
pull
Entries 87
Mean −8542
Std Dev 8642
pull1D
Entries 87
Mean −5.452e−05
Std Dev 0.1579

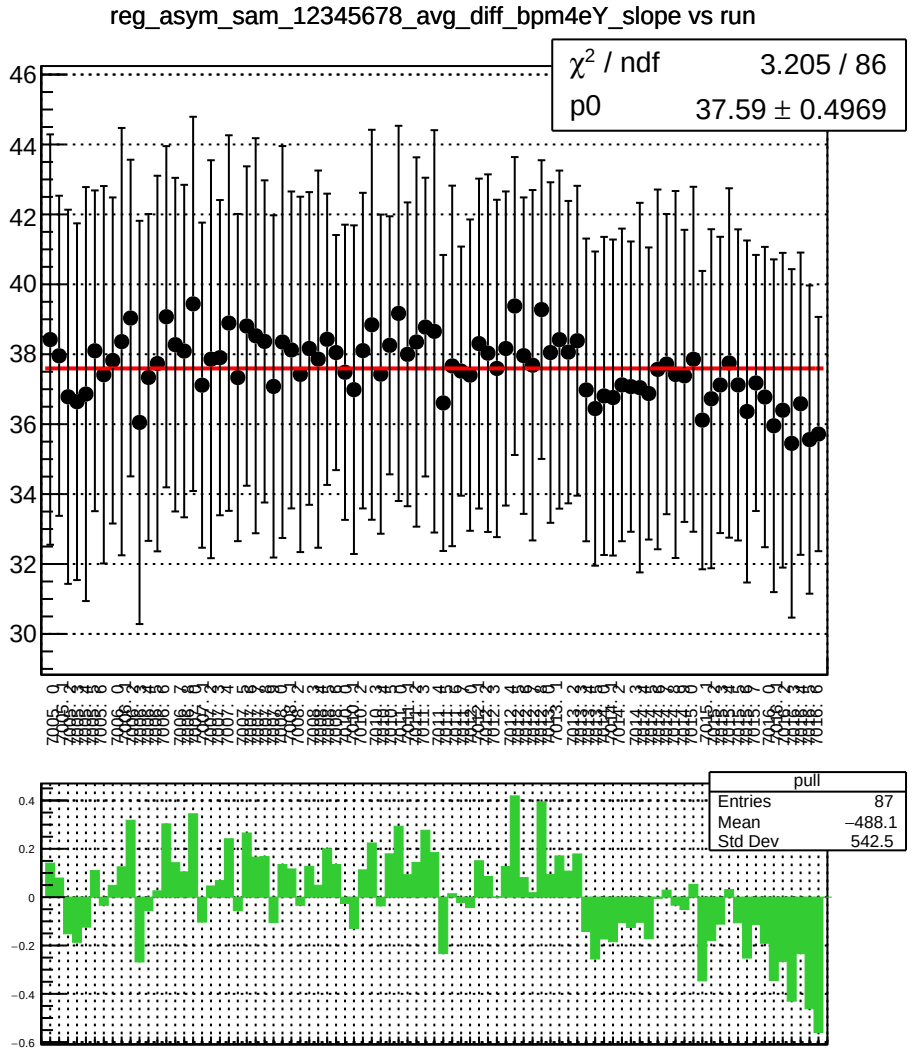

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.547 / 86
p0 −0.0132 ± 0.008098
pull
Entries 87
Mean 4590
Std Dev 4542

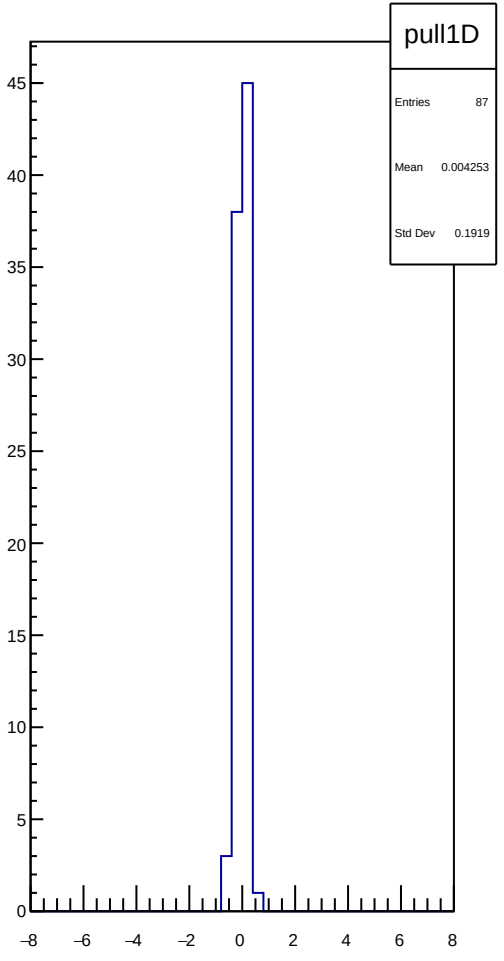

pull1D
Entries 87
Mean 0.0007522
Std Dev 0.2019

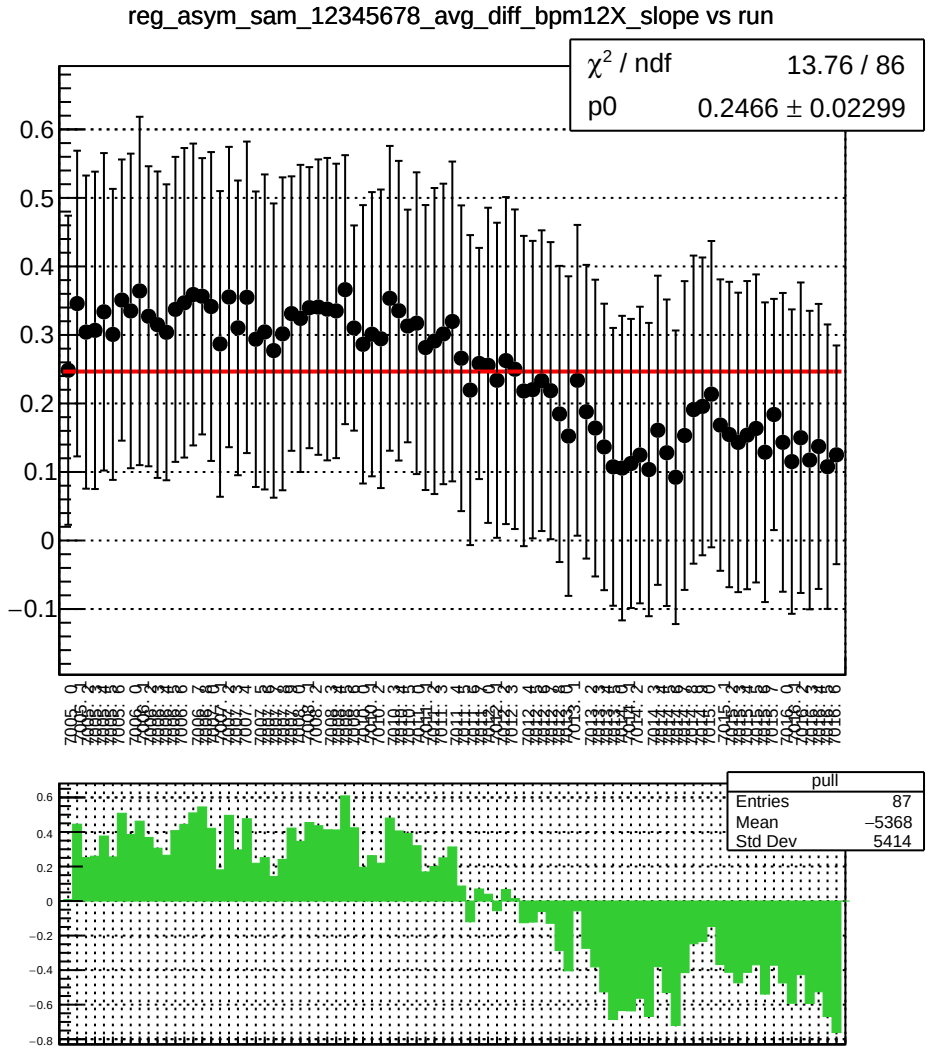

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 6.698 / 86
p0 −9.333 ± 0.69
pull
Entries 87
Mean −1408
Std Dev 1460
pull1D
Entries 87
Mean 0.002638
Std Dev 0.2775

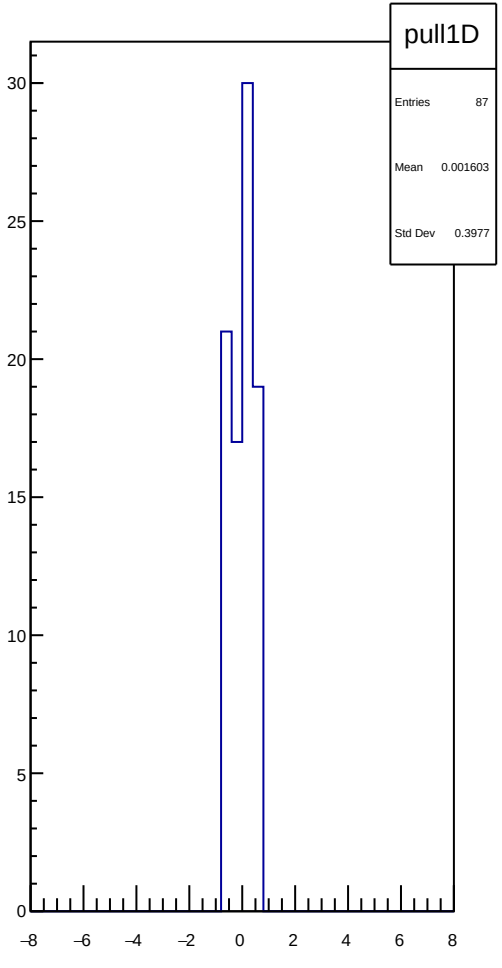

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.784 / 86
p0 −2.657 ± 0.4711
pull
Entries 87
Mean −419.8
Std Dev 472.8
pull1D
Entries 87
Mean −0.00367
Std Dev 0.1431

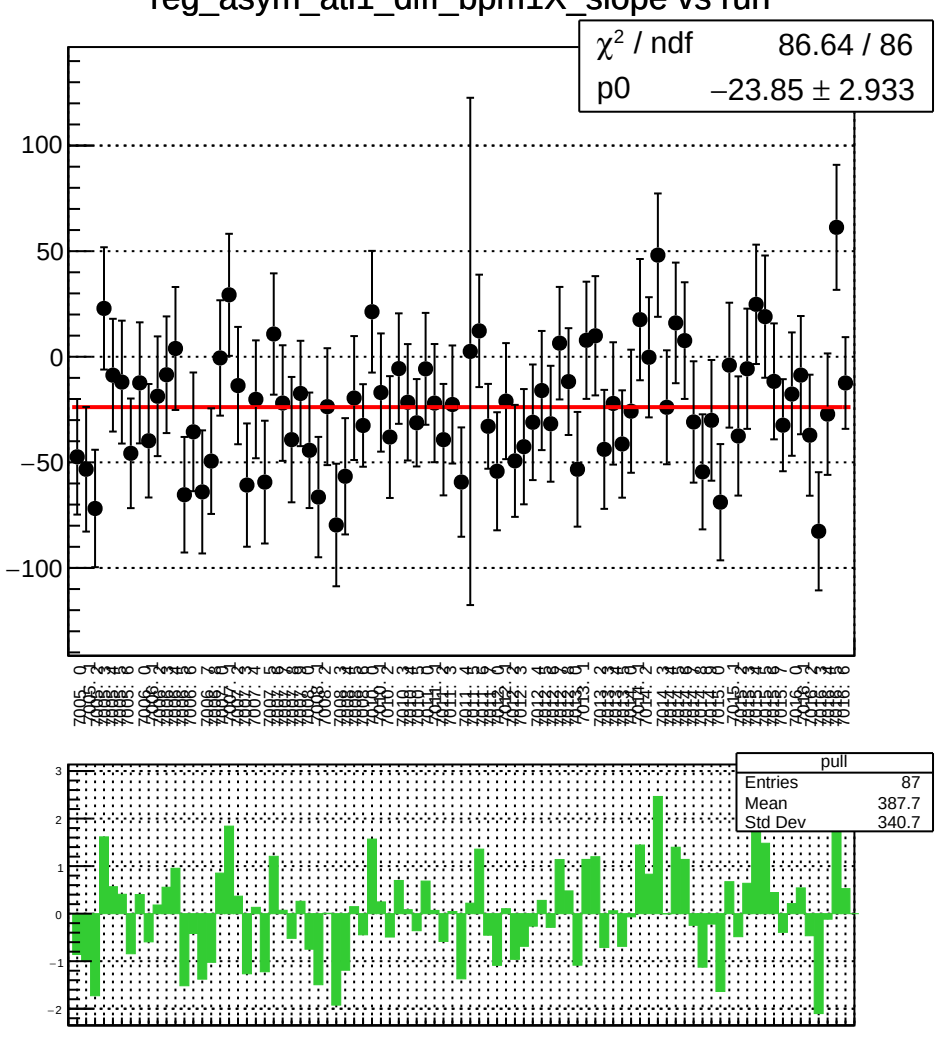

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.89 / 86
p0 −52.74 ± 0.6401
pull
Entries 87
Mean −850.2
Std Dev 900.6
pull1D
Entries 87
Mean −0.00562
Std Dev 0.3538

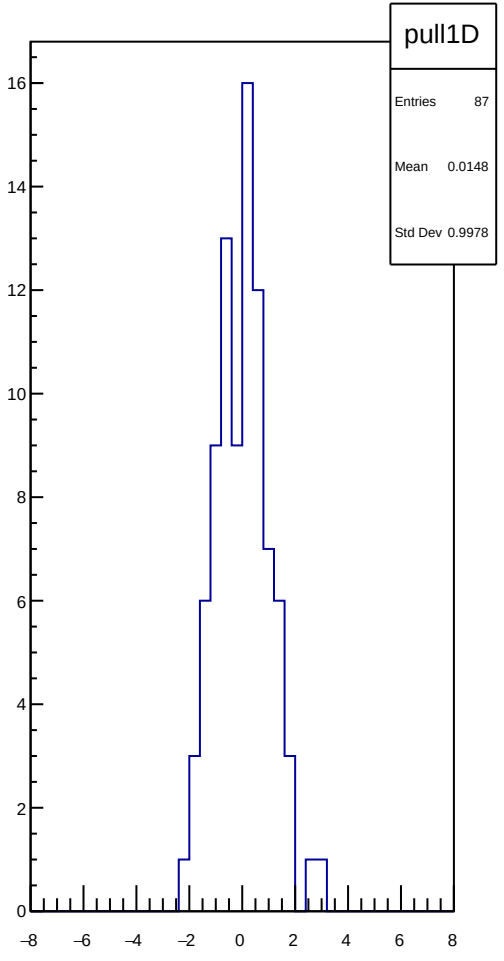

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.205 / 86
p0 37.59 ± 0.4969
pull
Entries 87
Mean −488.1
Std Dev 542.5

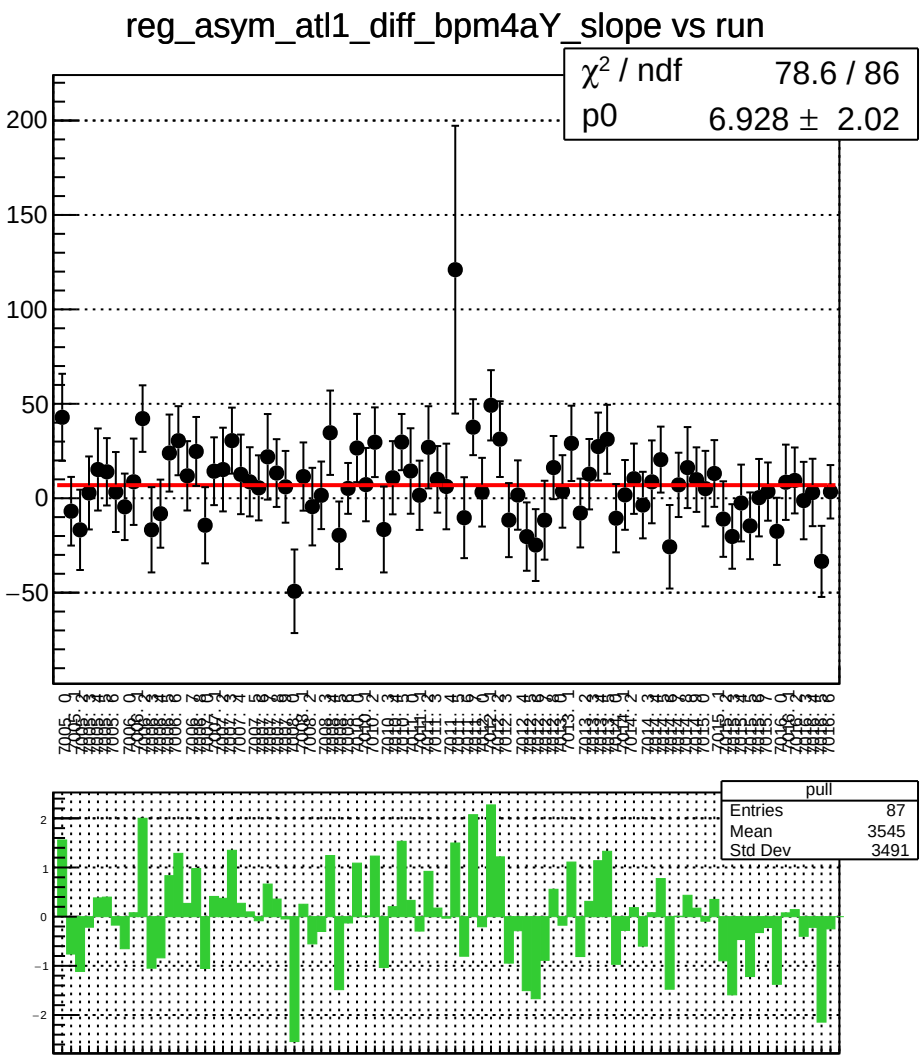

pull1D
Entries 87
Mean 0.004253
Std Dev 0.1919

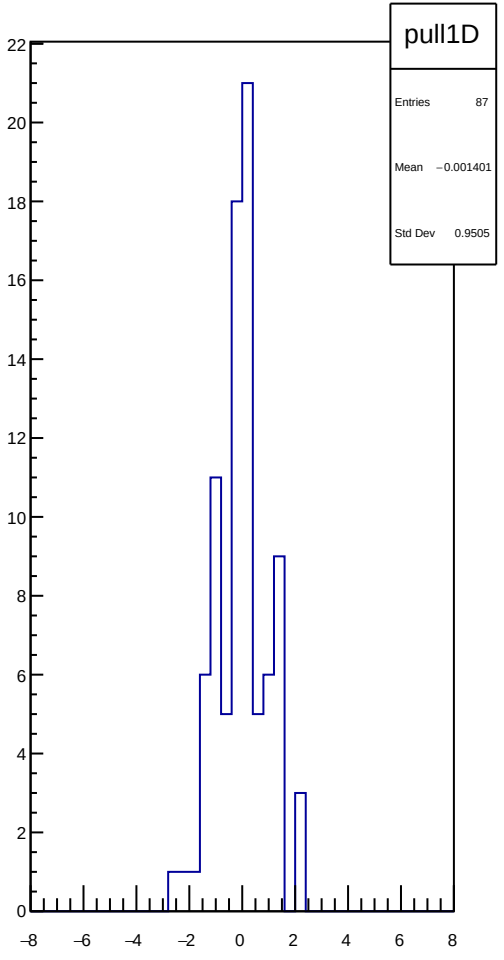

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 13.76 / 86
p0 0.2466 ± 0.02299
pull
Entries 87
Mean −5368
Std Dev 5414

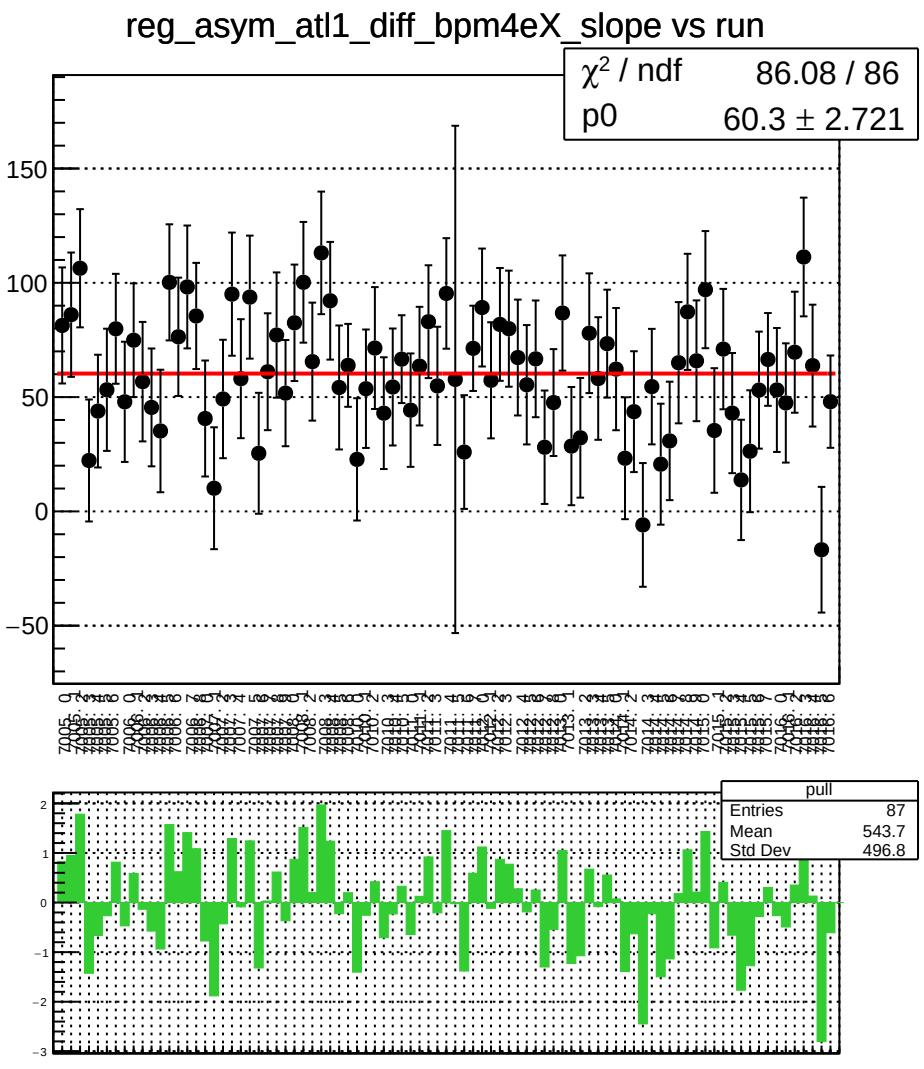

pull1D
Entries 87
Mean 0.001603
Std Dev 0.3977

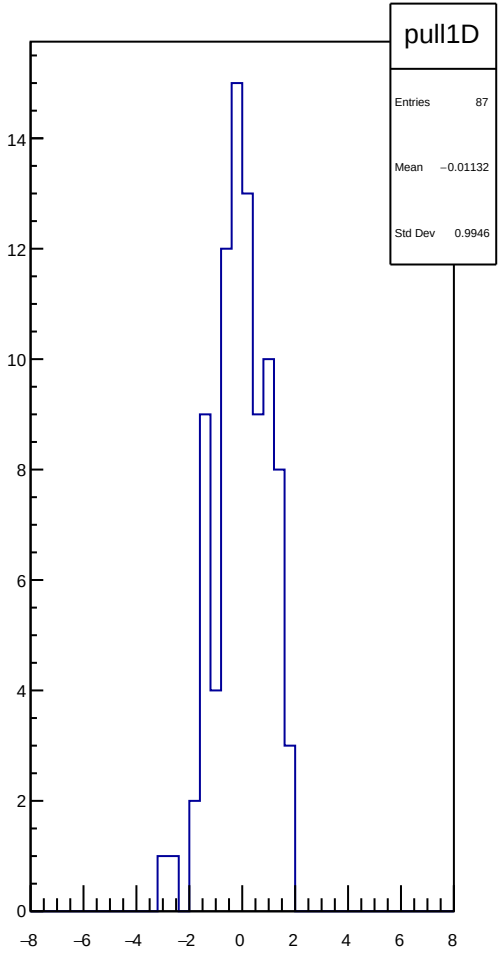

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 86.64 / 86
p0 −23.85 ± 2.933
pull
Entries 87
Mean 387.7
Std Dev 340.7

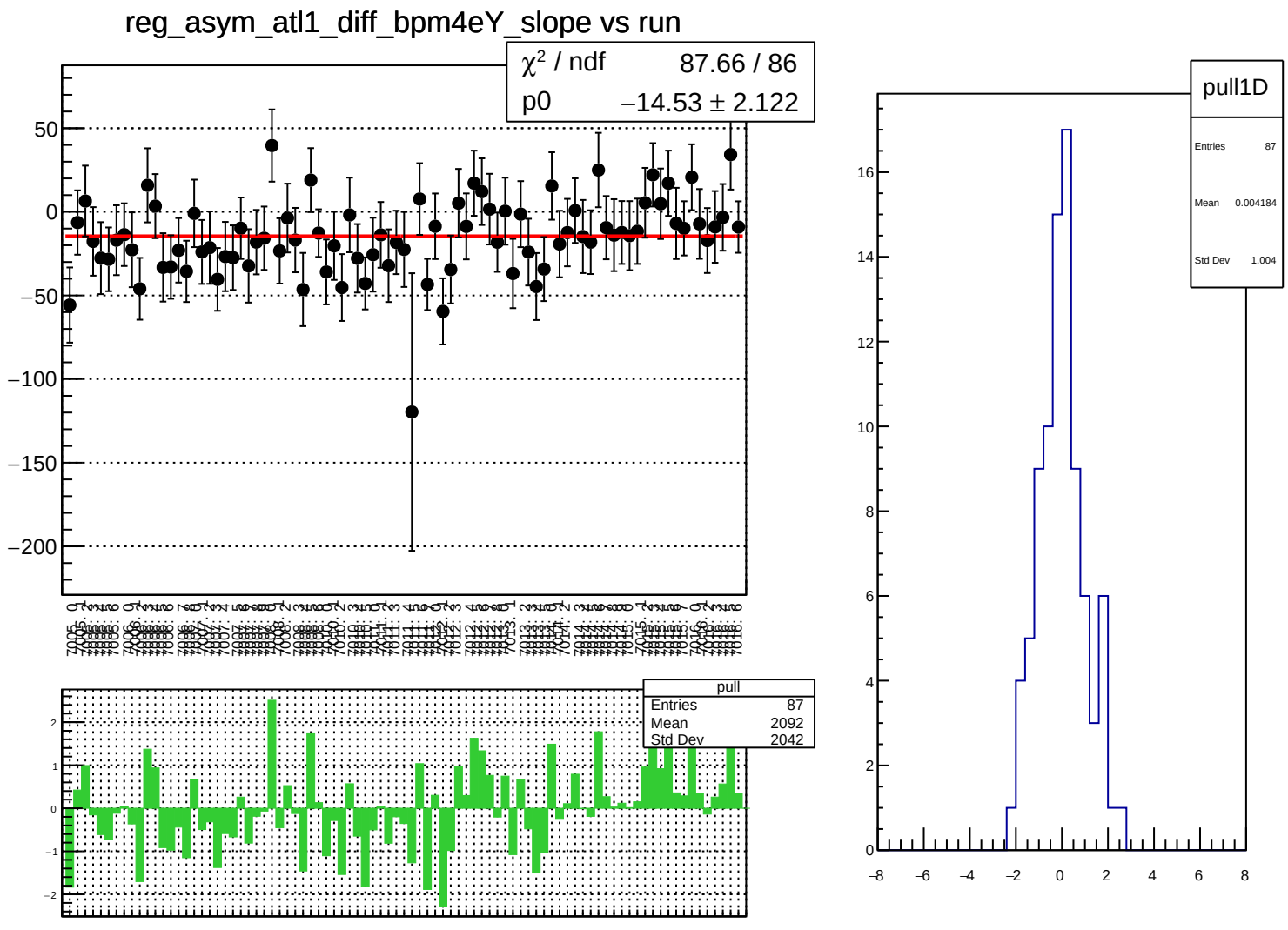

pull1D
Entries 87
Mean 0.0148
Std Dev 0.9978

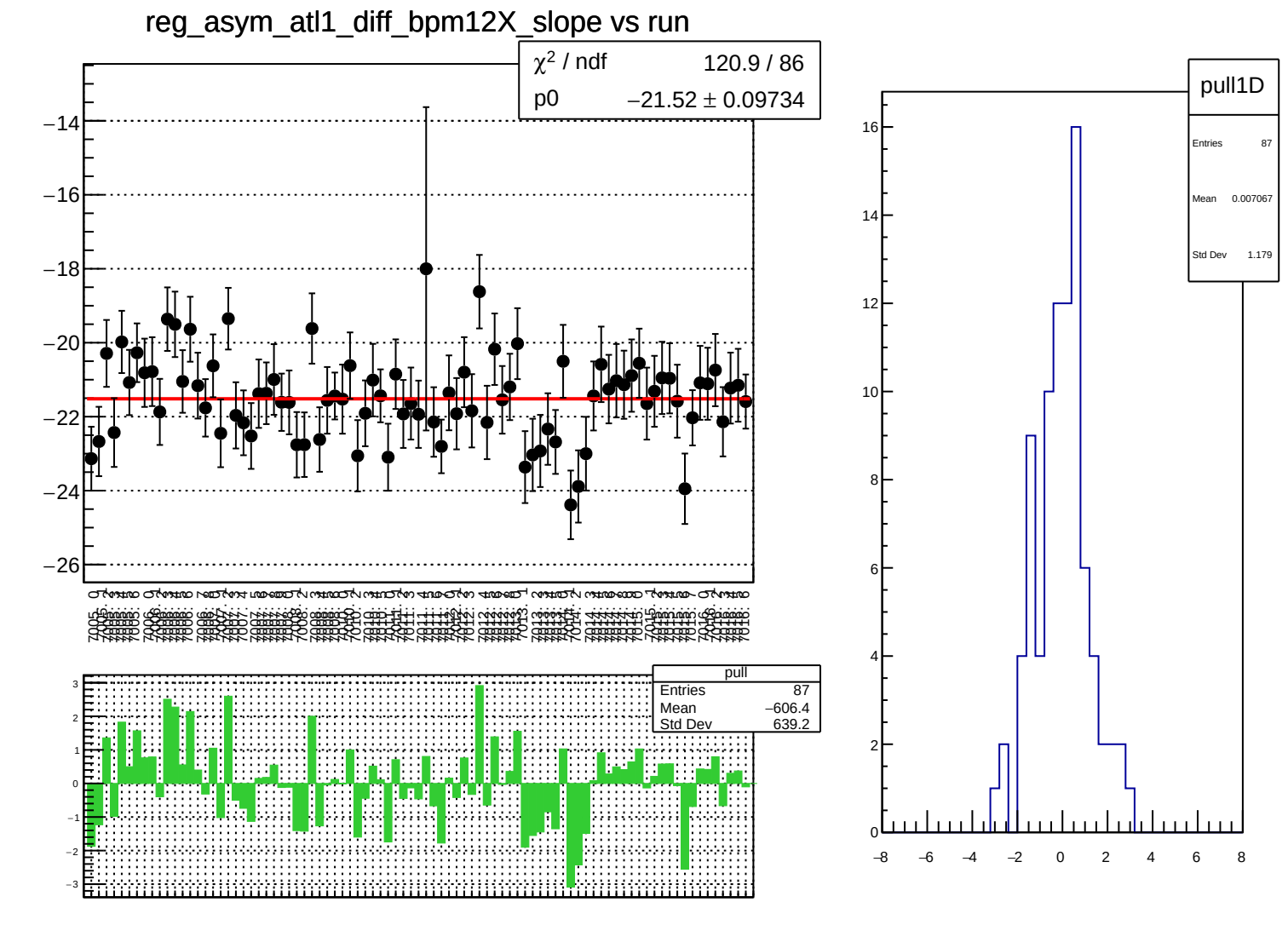

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 78.6 / 86
p0 6.928 ± 2.02
200
150
100
50
0
−50
pull
Entries 87
Mean 3545
Std Dev 3491
2
1
0
−1
−2

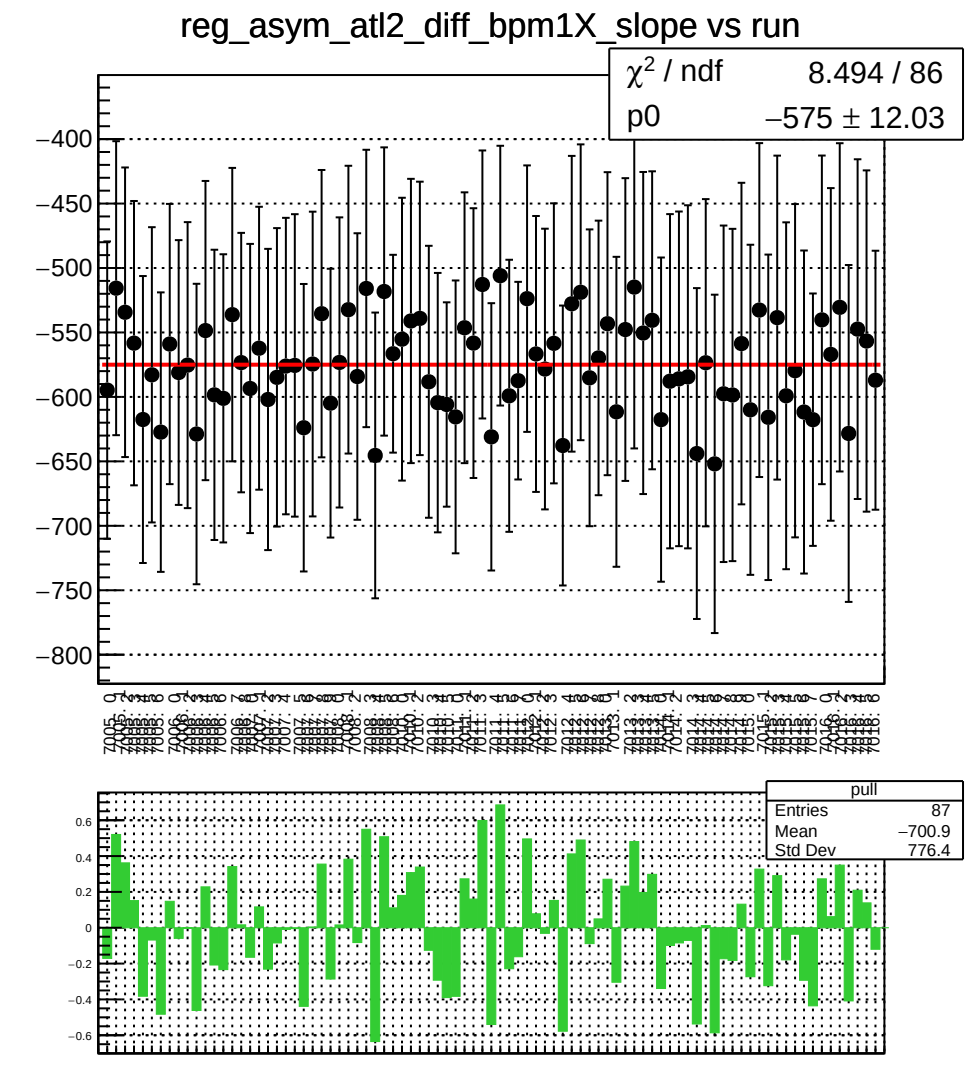

pull1D
Entries 87
Mean −0.001401
Std Dev 0.9505
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

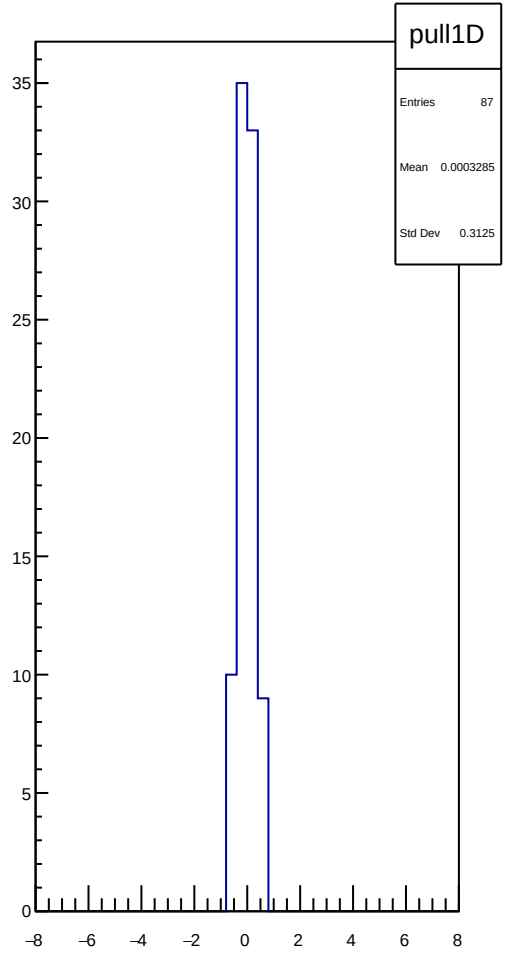

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 86.08 / 86
p0 60.3 ± 2.721
150
100
50
0
−50
pull
Entries 87
Mean 543.7
Std Dev 496.8
2
1
0
−1
−2
−3

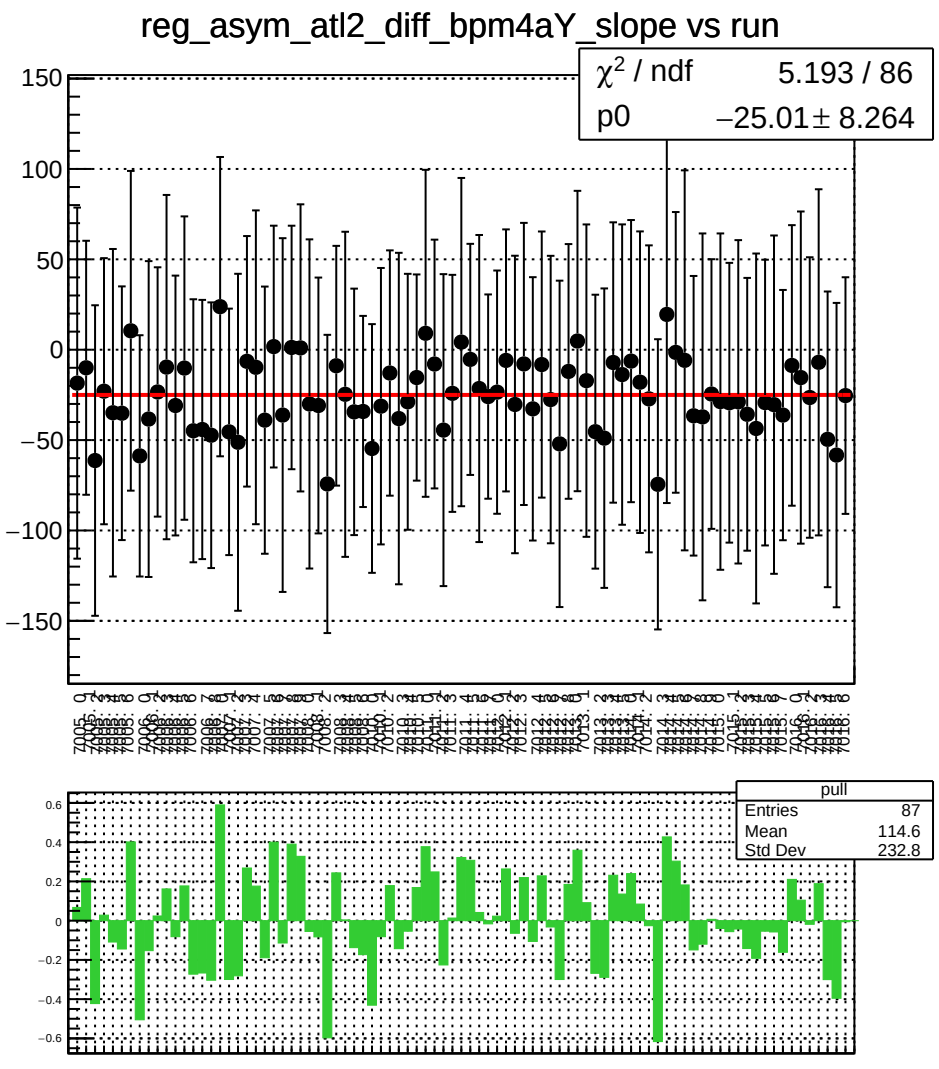

pull1D
Entries 87
Mean −0.01132
Std Dev 0.9946
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

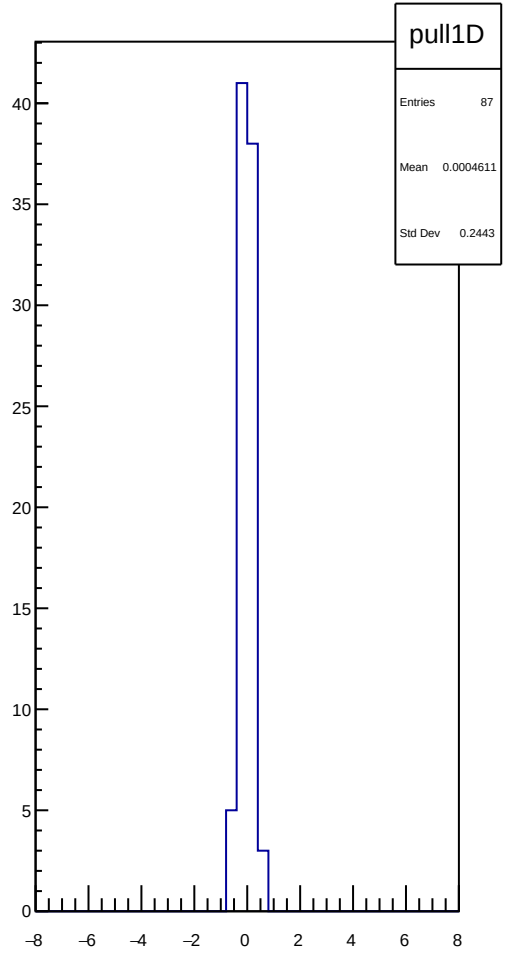

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 87.66 / 86
p0 −14.53 ± 2.122
50
0
−50
−100
−150
−200
pull
Entries 87
Mean 2092
Std Dev 2042
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.004184
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

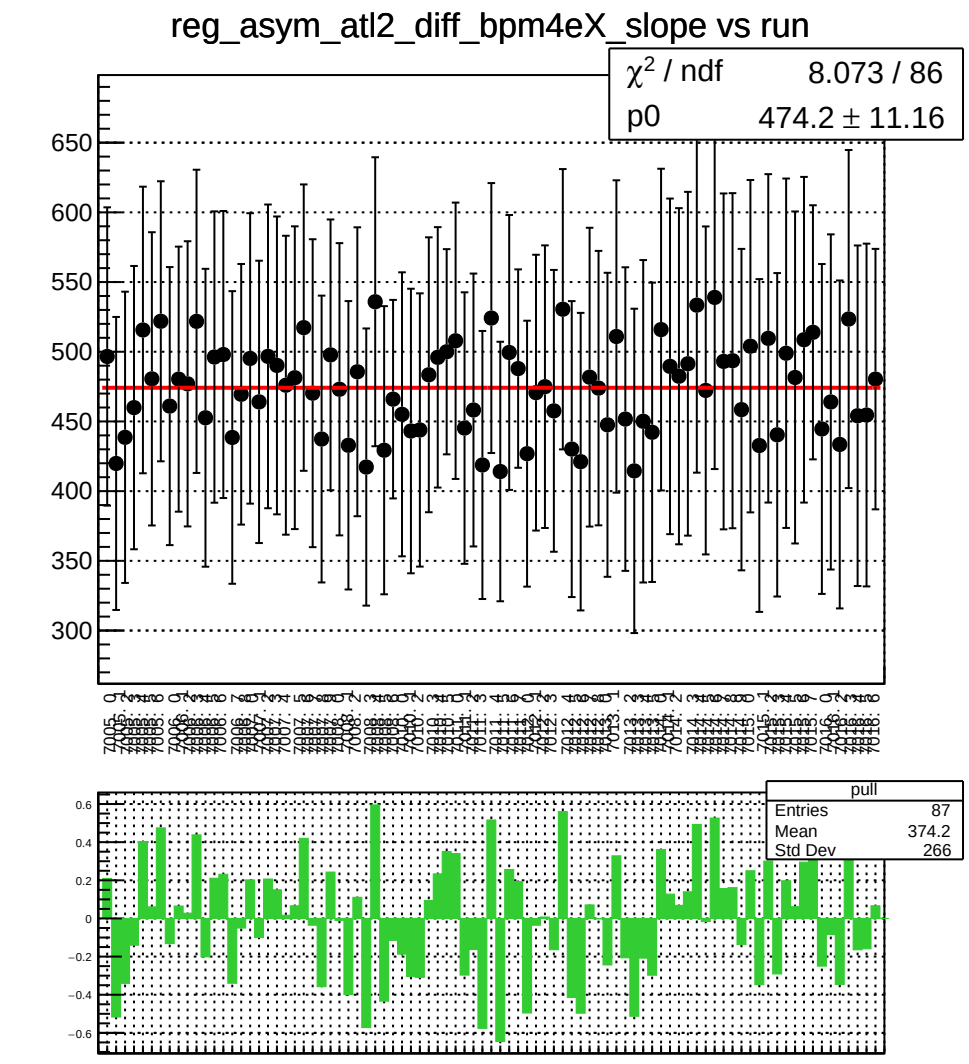

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 120.9 / 86
p0 −21.52 ± 0.09734
pull
Entries 87
Mean −606.4
Std Dev 639.2
pull1D
Entries 87
Mean 0.007067
Std Dev 1.179

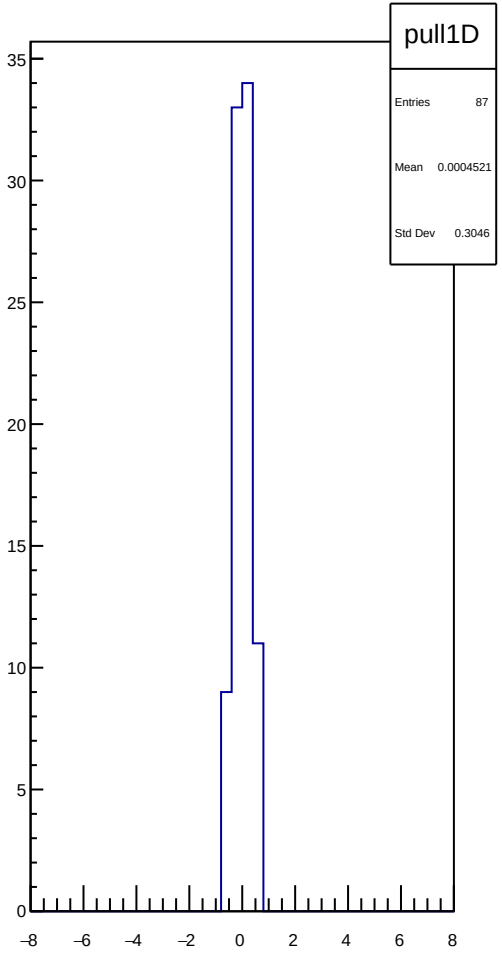

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 8.494 / 86
p0 −575 ± 12.03
−400
−450
−500
−550
−600
−650
−700
−750
−800
pull
Entries 87
Mean −700.9
Std Dev 776.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

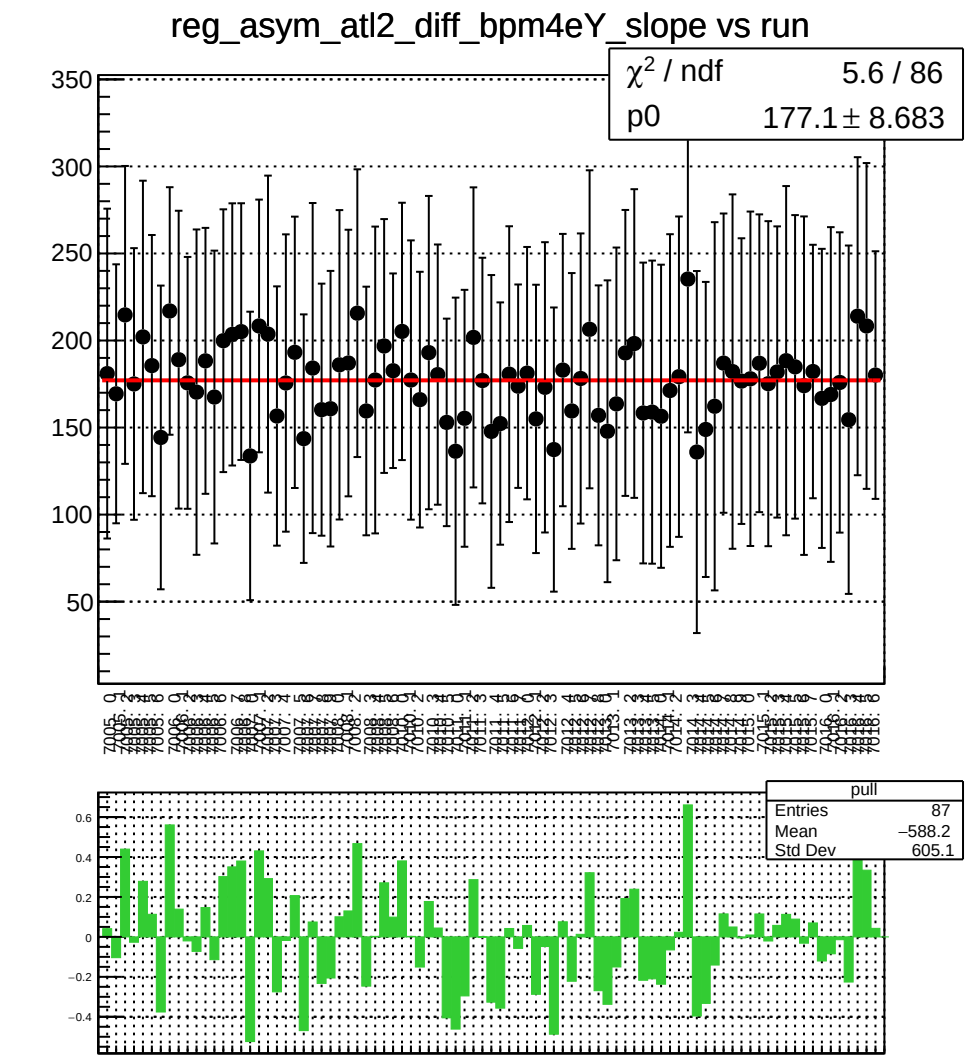

pull1D
Entries 87
Mean 0.0003285
Std Dev 0.3125
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

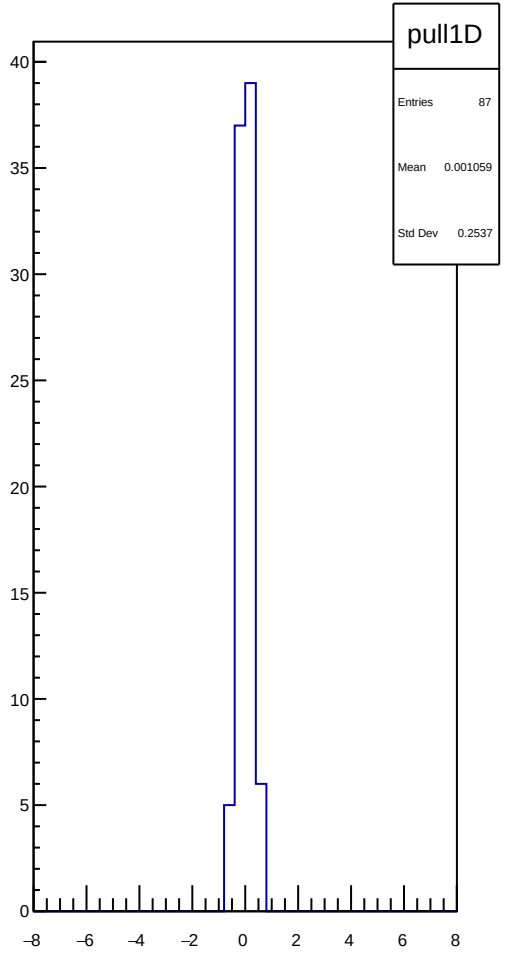

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.193 / 86
p0 −25.01 ± 8.264
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean 114.6
Std Dev 232.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

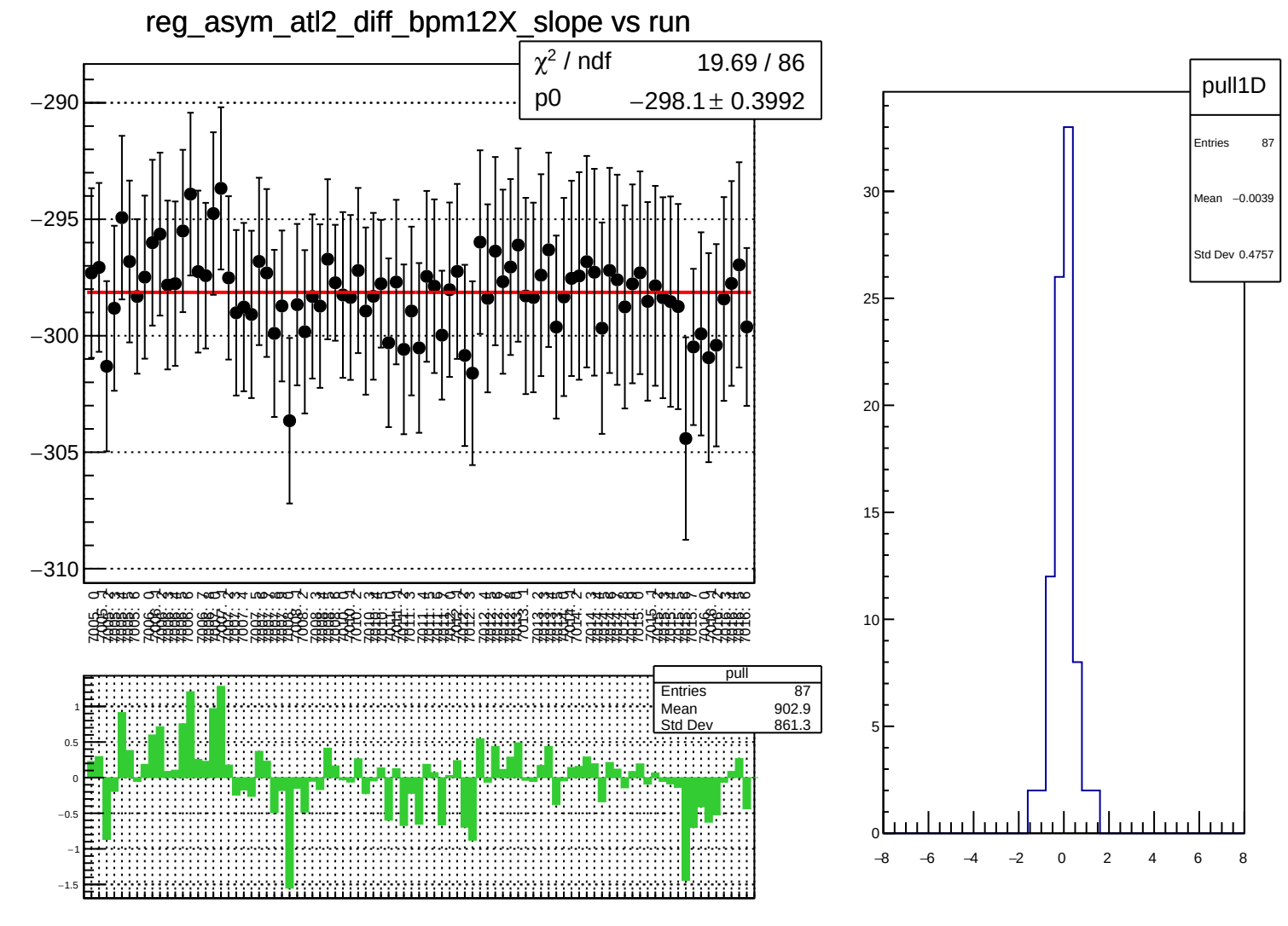

pull1D
Entries 87
Mean 0.0004611
Std Dev 0.2443
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

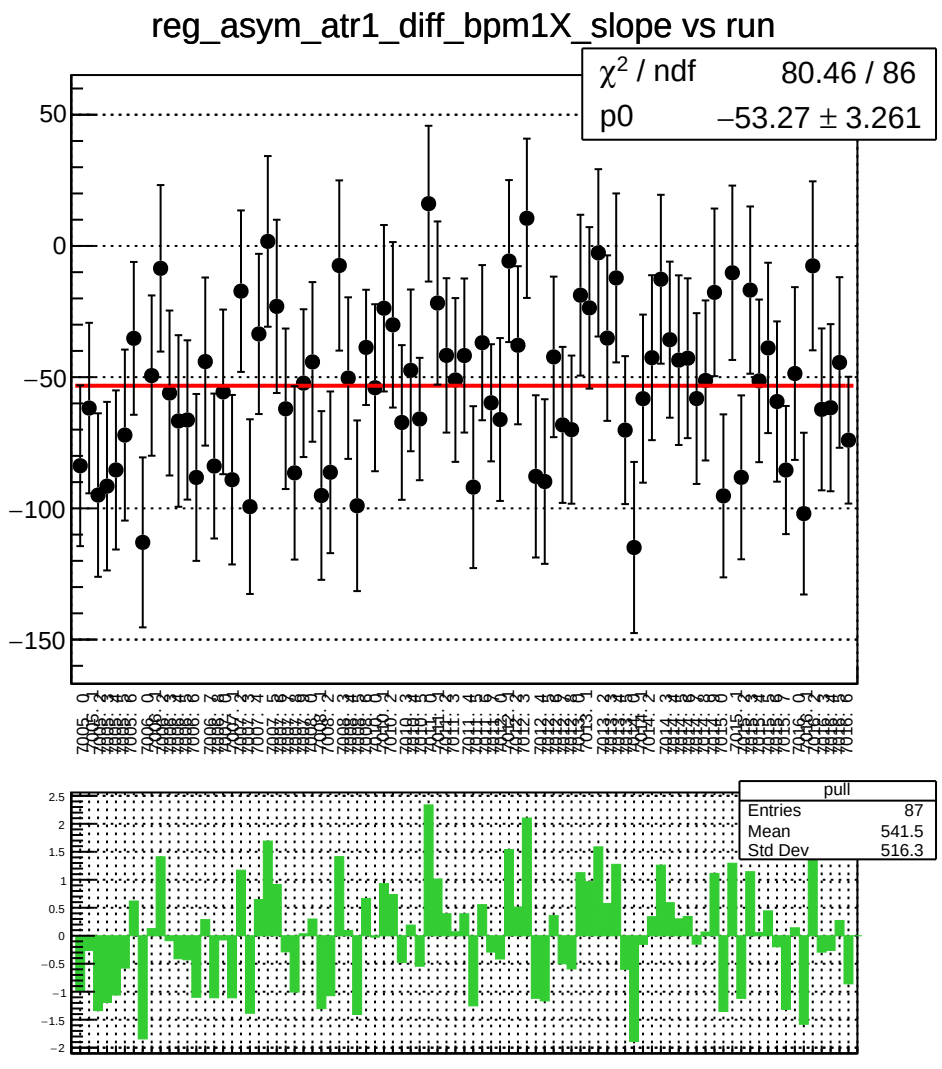

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 8.073 / 86
p0 474.2 ± 11.16
650
600
550
500
450
400
350
300
pull
Entries 87
Mean 374.2
Std Dev 266
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

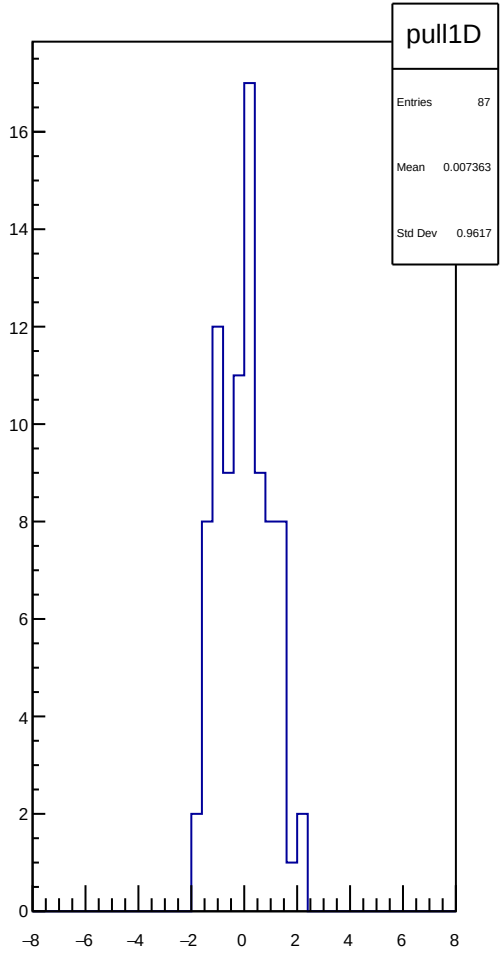

pull1D
Entries 87
Mean 0.0004521
Std Dev 0.3046
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

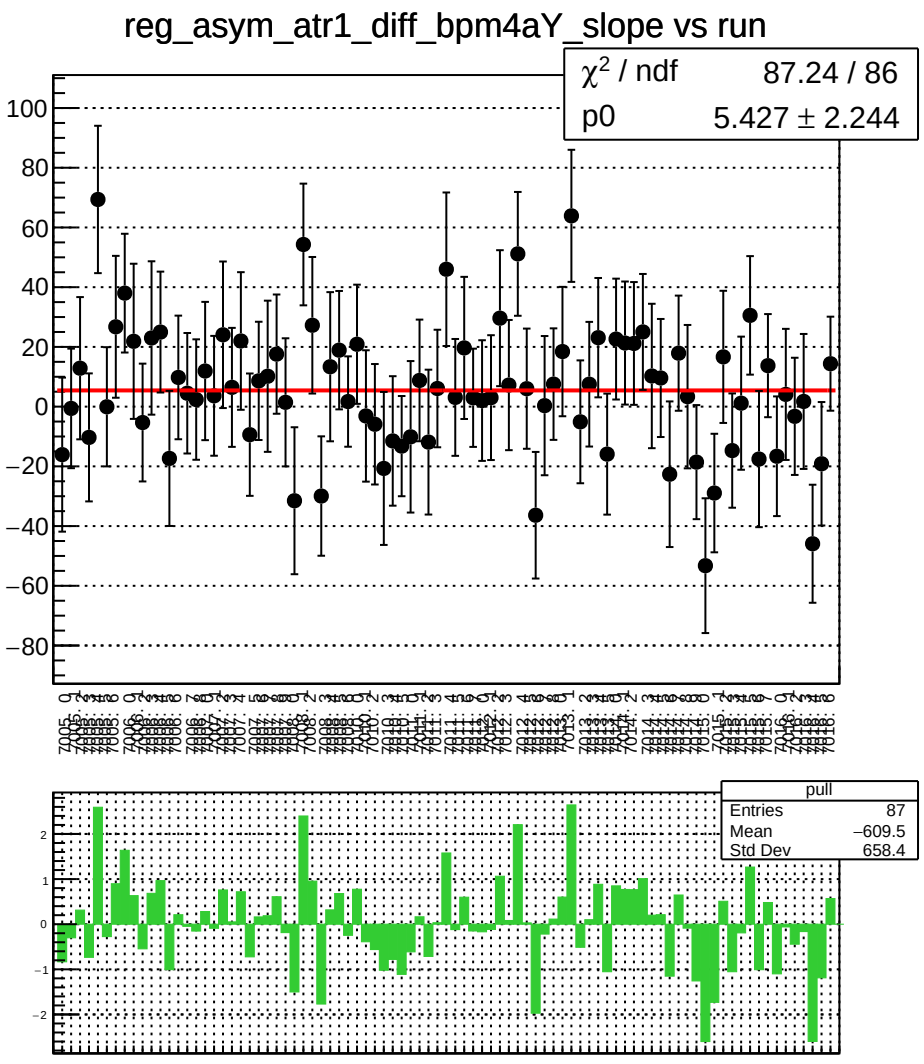

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.6 / 86
p0 177.1 ± 8.683
pull
Entries 87
Mean −588.2
Std Dev 605.1

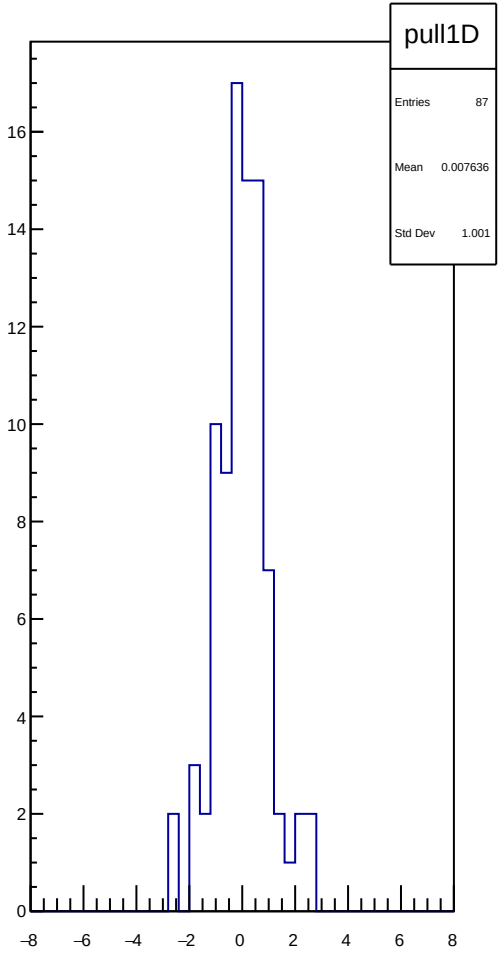

pull1D
Entries 87
Mean 0.001059
Std Dev 0.2537

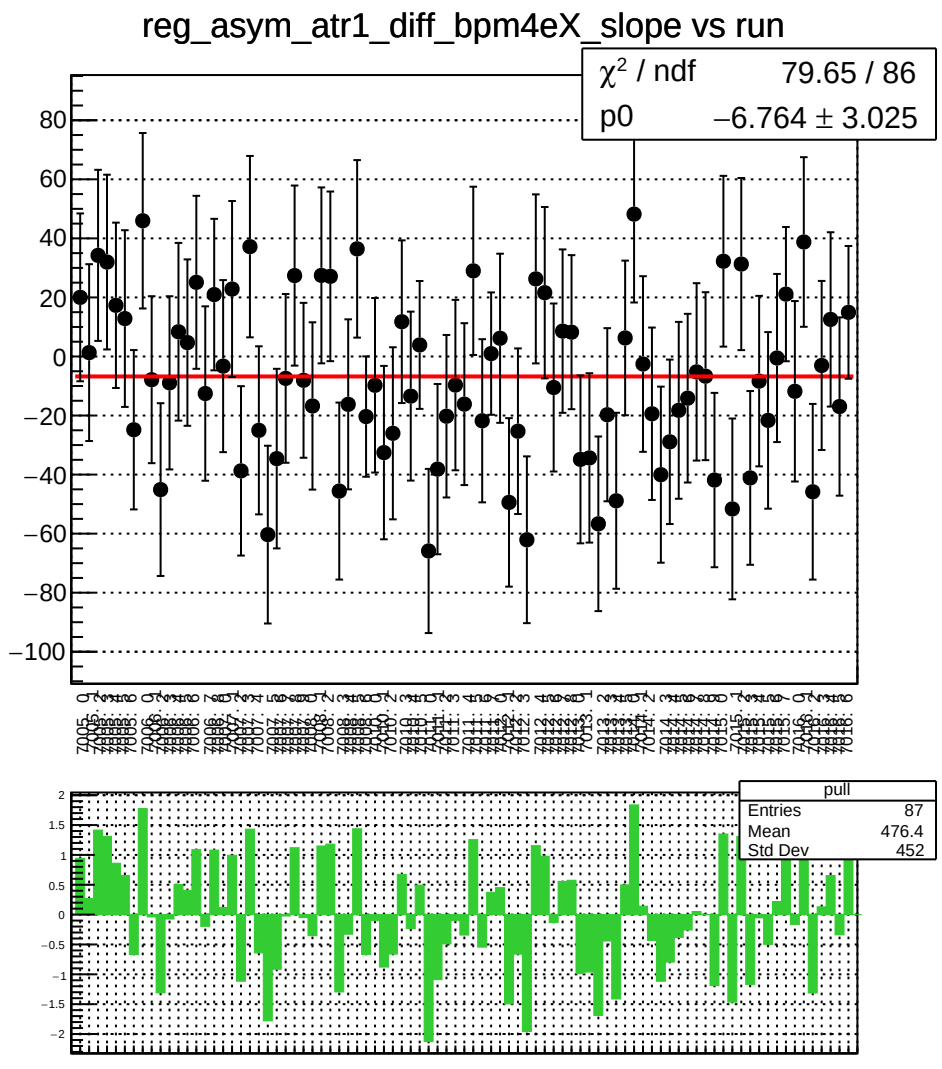

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 19.69 / 86
p0 −298.1 ± 0.3992
−290
−295
−300
−305
−310
pull
Entries 87
Mean 902.9
Std Dev 861.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.0039
Std Dev 0.4757
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

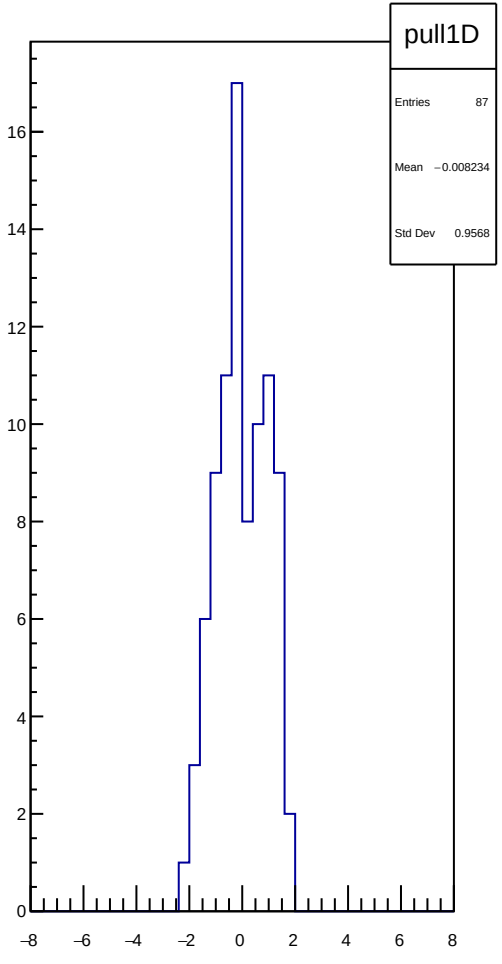

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 80.46 / 86
p0 −53.27 ± 3.261
50
0
−50
−100
−150
pull
Entries 87
Mean 541.5
Std Dev 516.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

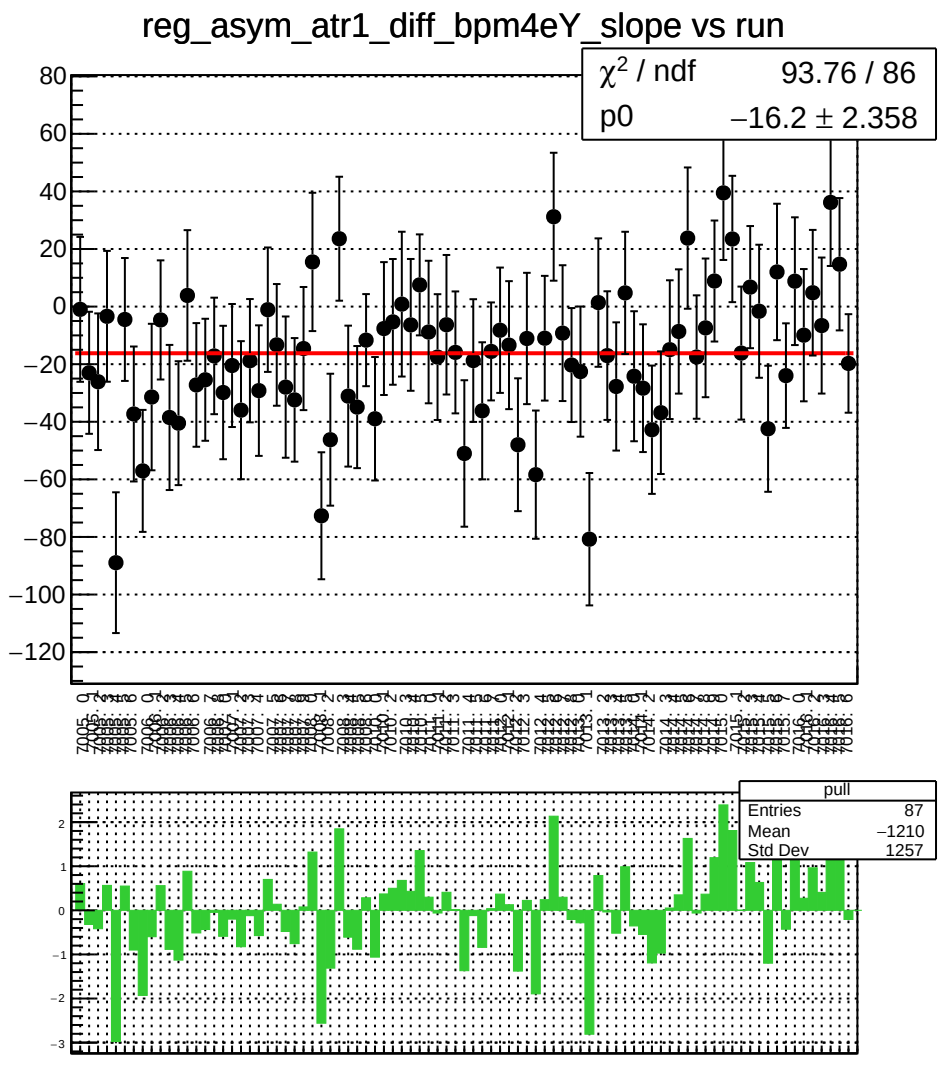

pull1D
Entries 87
Mean 0.007363
Std Dev 0.9617
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

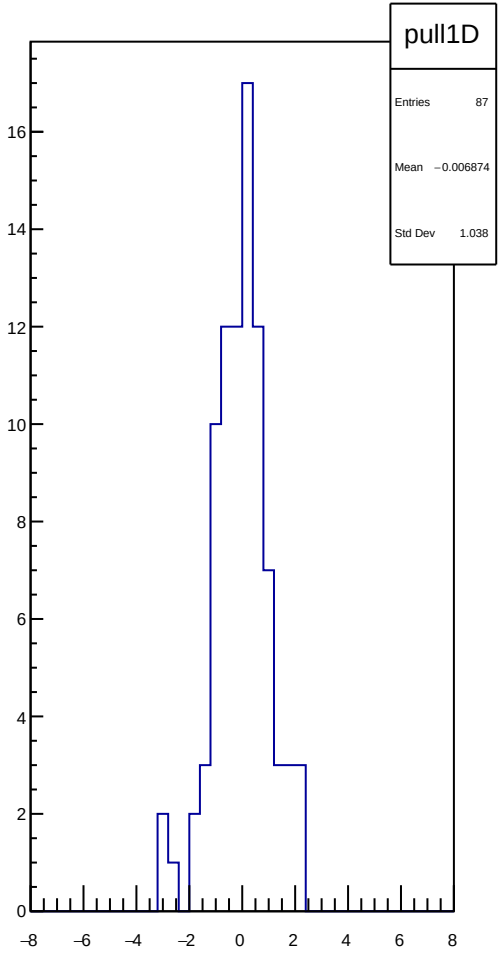

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 87.24 / 86
p0 5.427 ± 2.244
pull
Entries 87
Mean −609.5
Std Dev 658.4

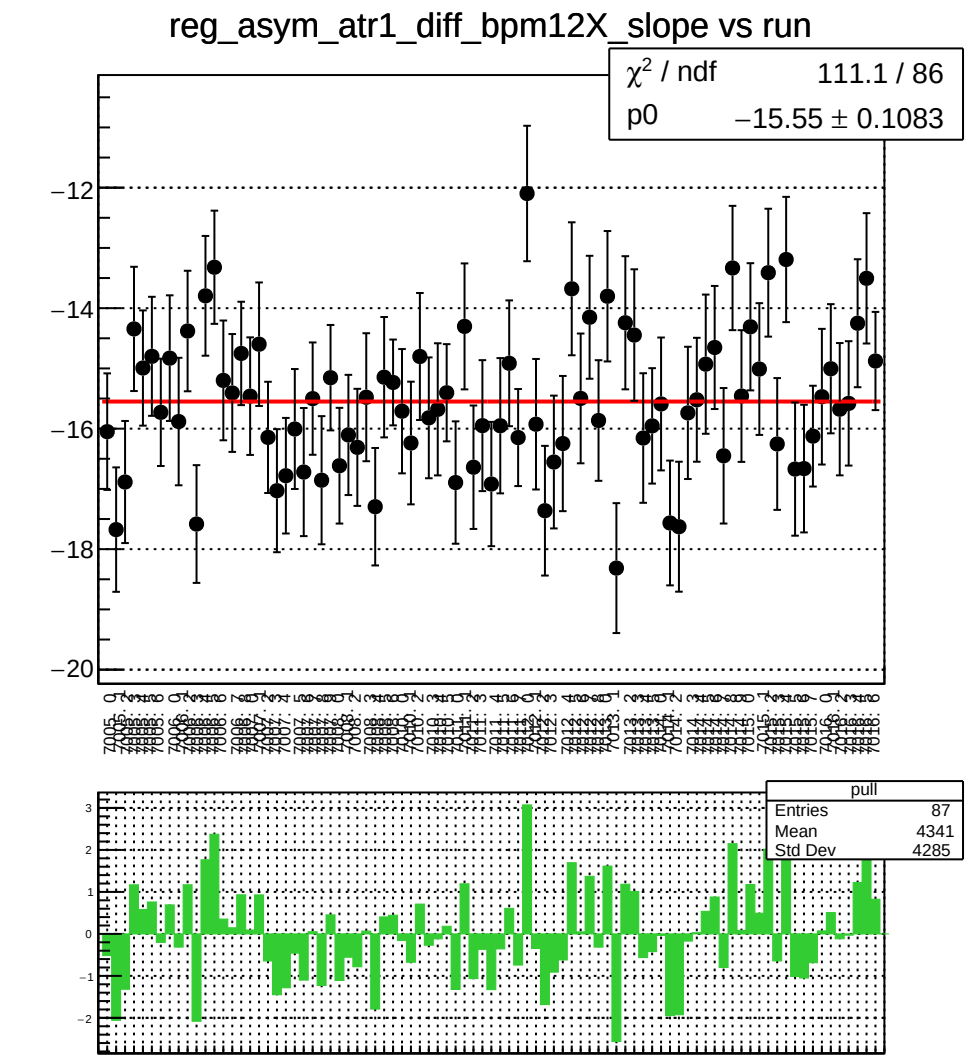

pull1D
Entries 87
Mean 0.007636
Std Dev 1.001

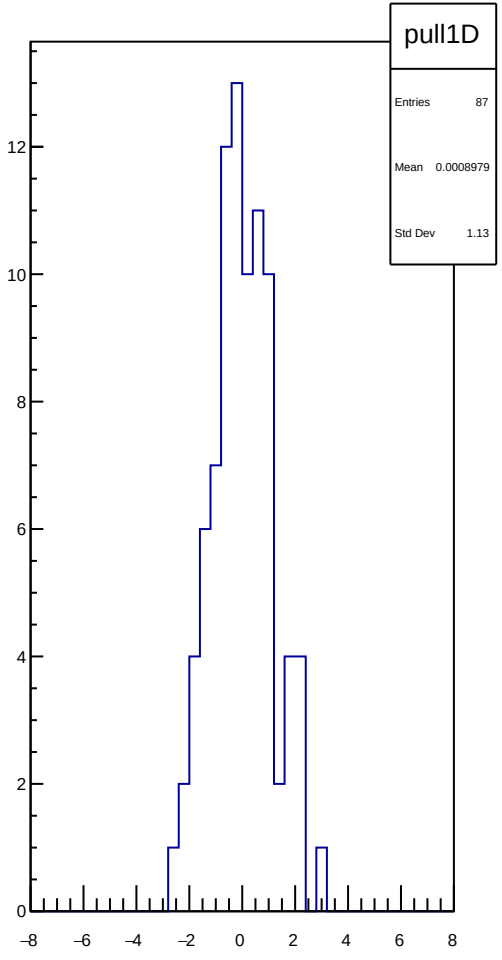

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.65 / 86
p0 −6.764 ± 3.025
pull
Entries 87
Mean 476.4
Std Dev 452

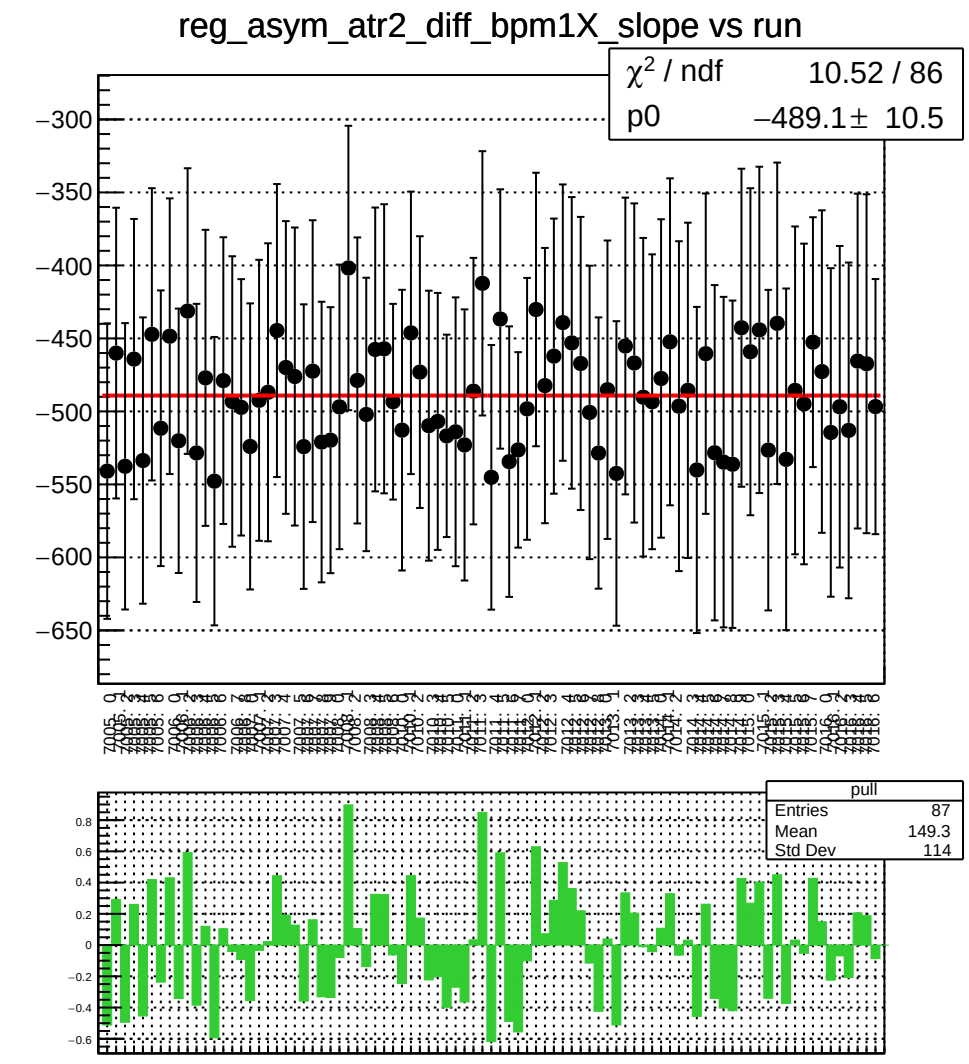

pull1D
Entries 87
Mean −0.008234
Std Dev 0.9568

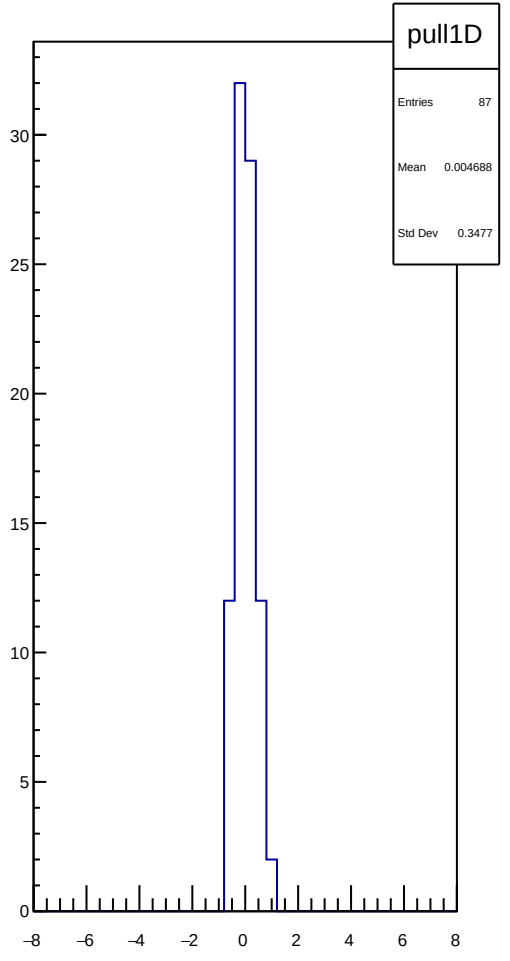

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 93.76 / 86
p0 −16.2 ± 2.358
pull
Entries 87
Mean −1210
Std Dev 1257

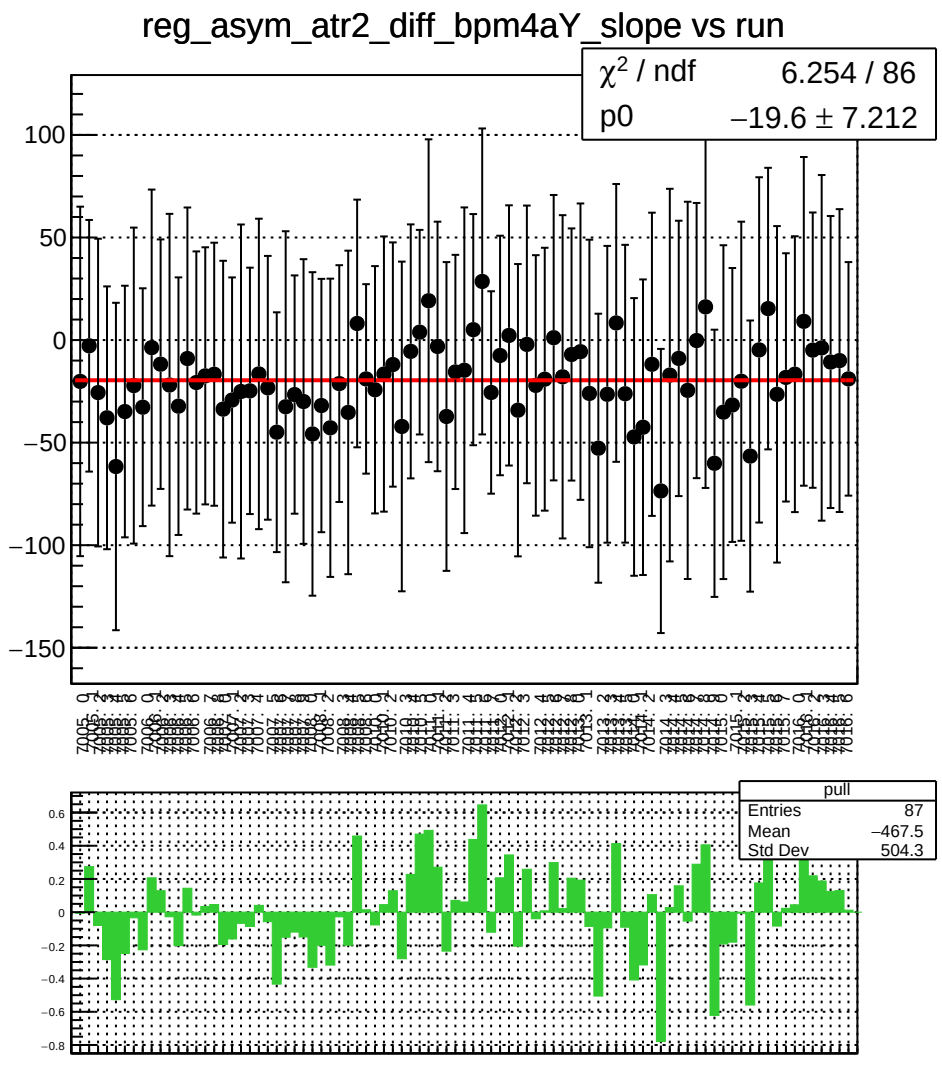

pull1D
Entries 87
Mean −0.006874
Std Dev 1.038

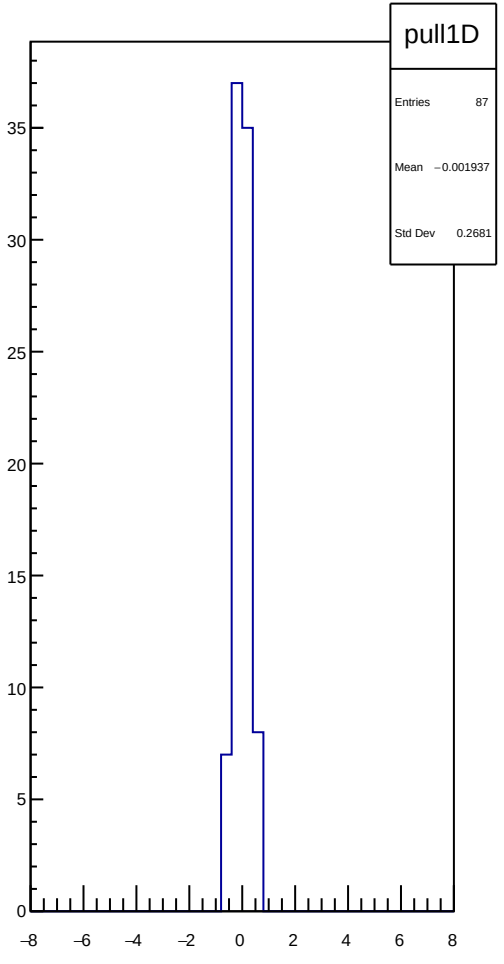

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 111.1 / 86
p0 −15.55 ± 0.1083
pull
Entries 87
Mean 4341
Std Dev 4285

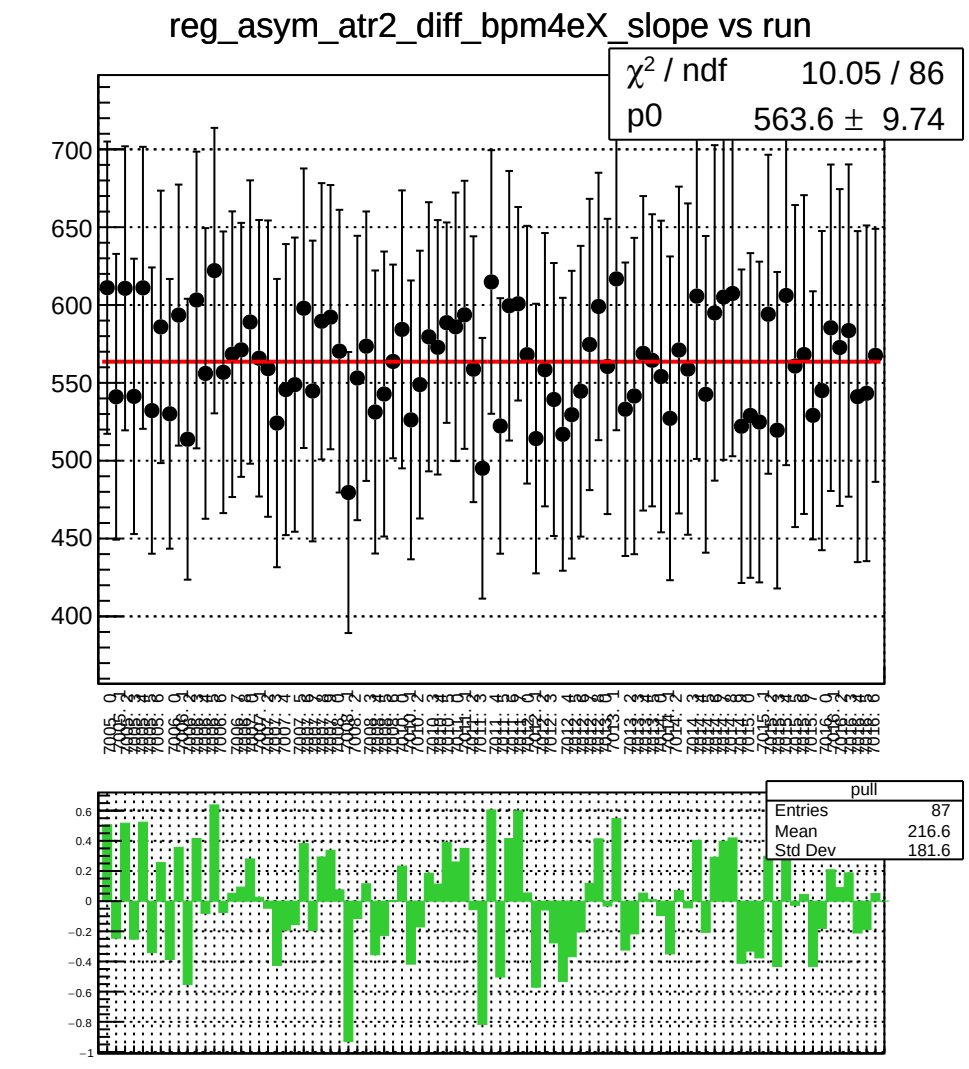

pull1D
Entries 87
Mean 0.0008979
Std Dev 1.13

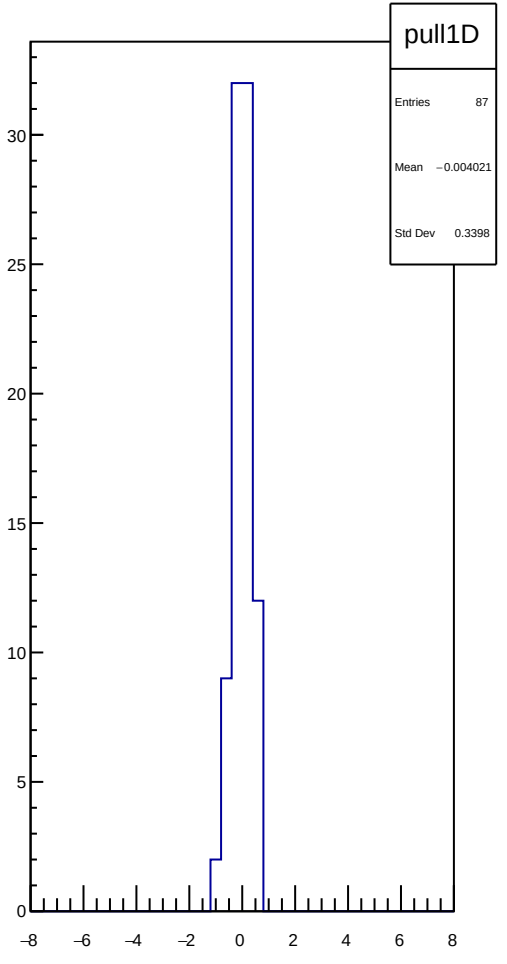

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 10.52 / 86
p0 −489.1± 10.5
−300
−350
−400
−450
−500
−550
−600
−650
pull
Entries 87
Mean 149.3
Std Dev 114
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

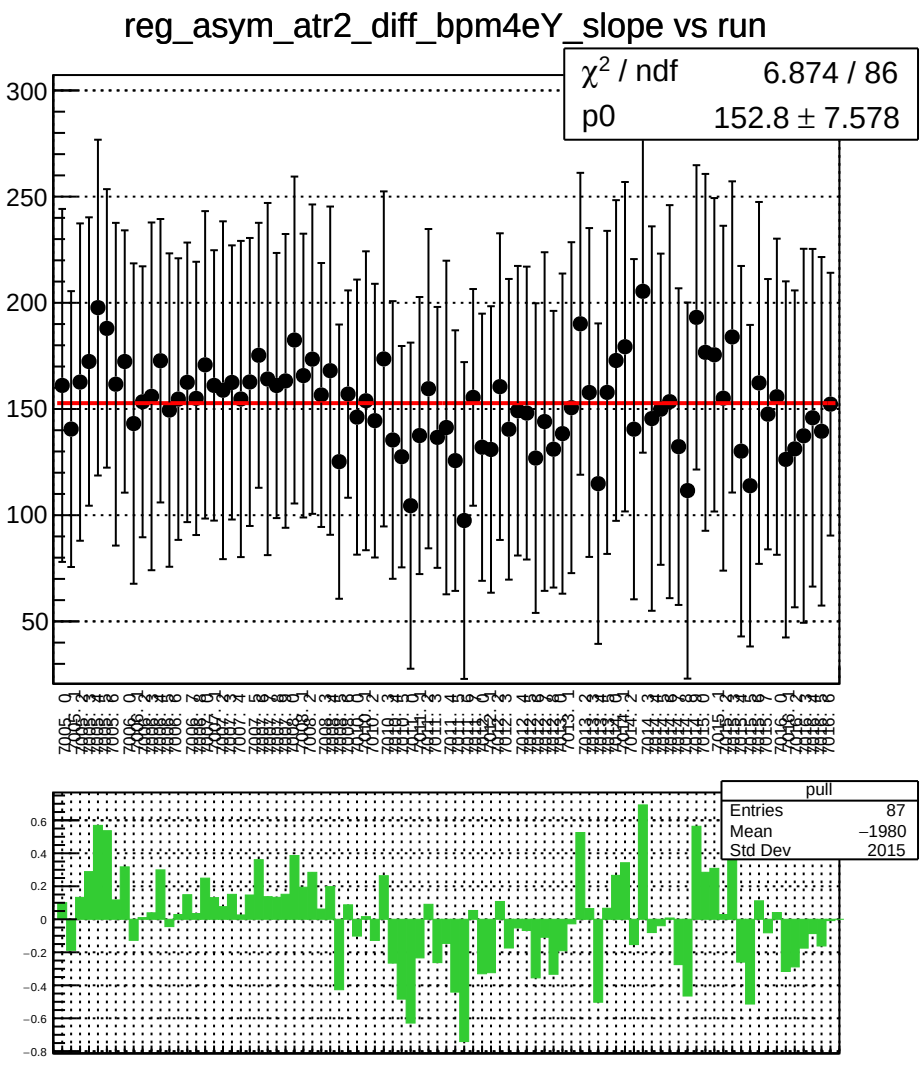

pull1D
Entries 87
Mean 0.004688
Std Dev 0.3477
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

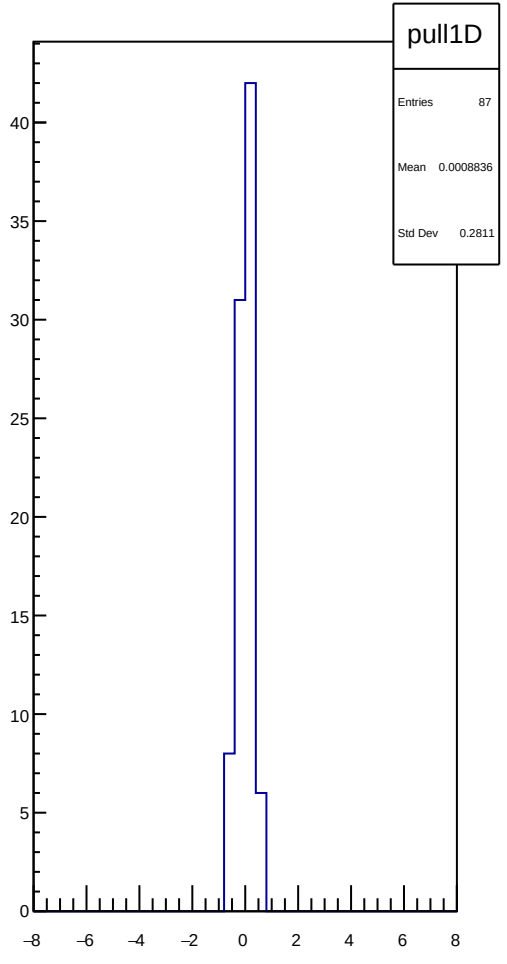

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.254 / 86
p0 −19.6 ± 7.212
pull
Entries 87
Mean −467.5
Std Dev 504.3

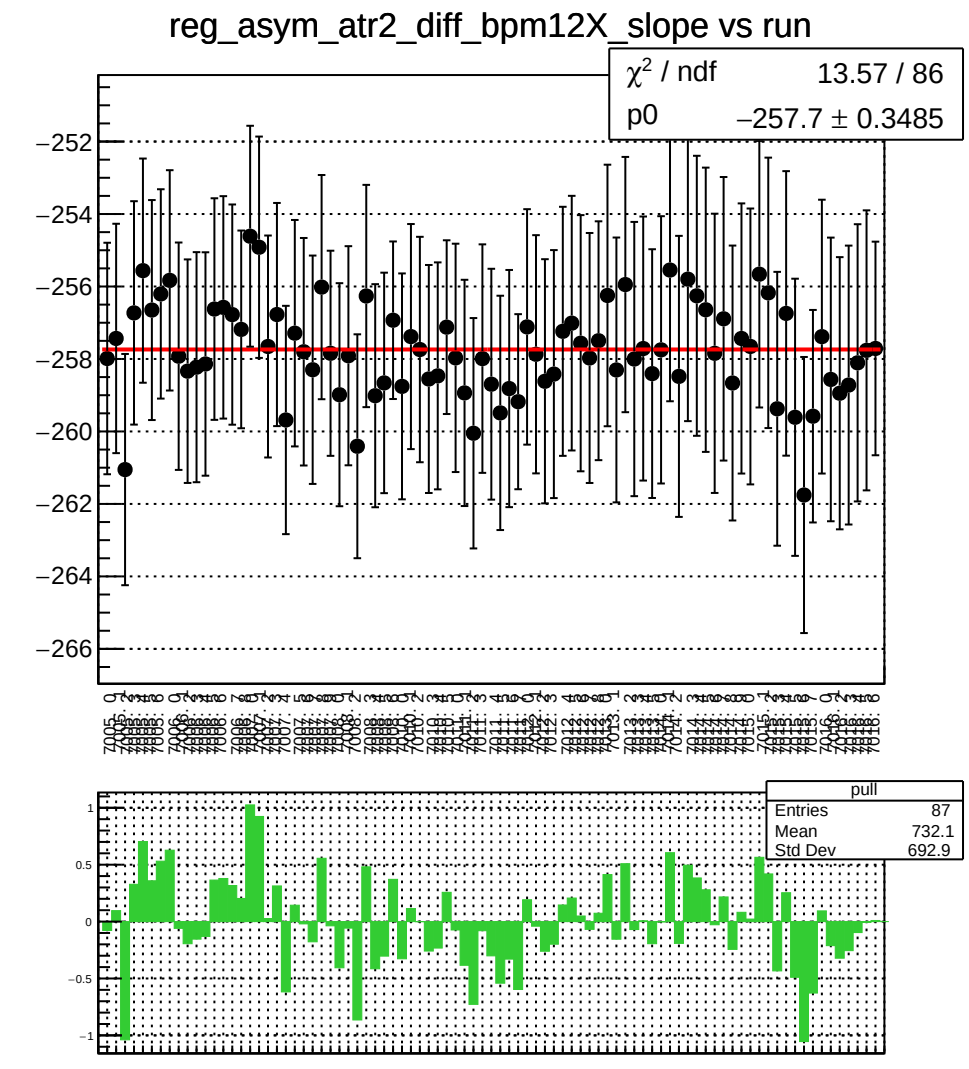

pull1D
Entries 87
Mean −0.001937
Std Dev 0.2681

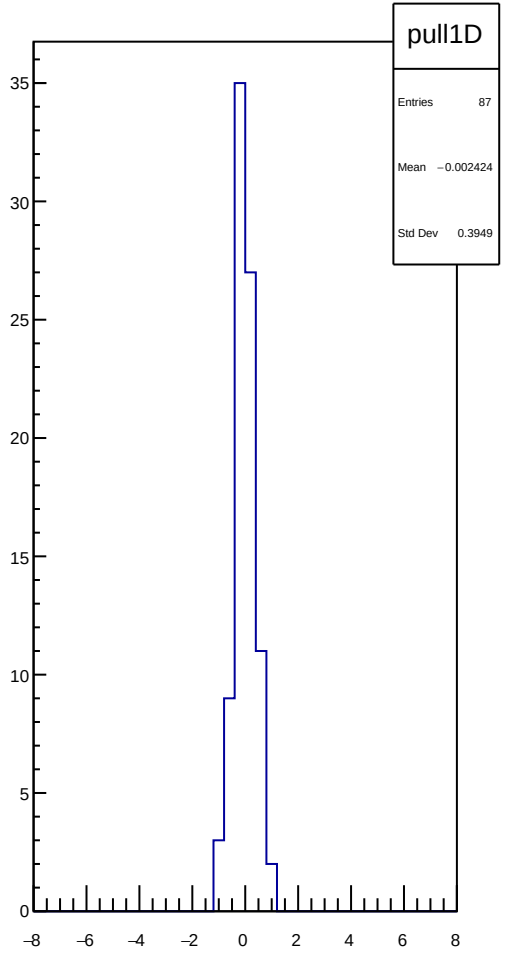

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 10.05 / 86
p0 563.6 ± 9.74
700
650
600
550
500
450
400
pull
Entries 87
Mean 216.6
Std Dev 181.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

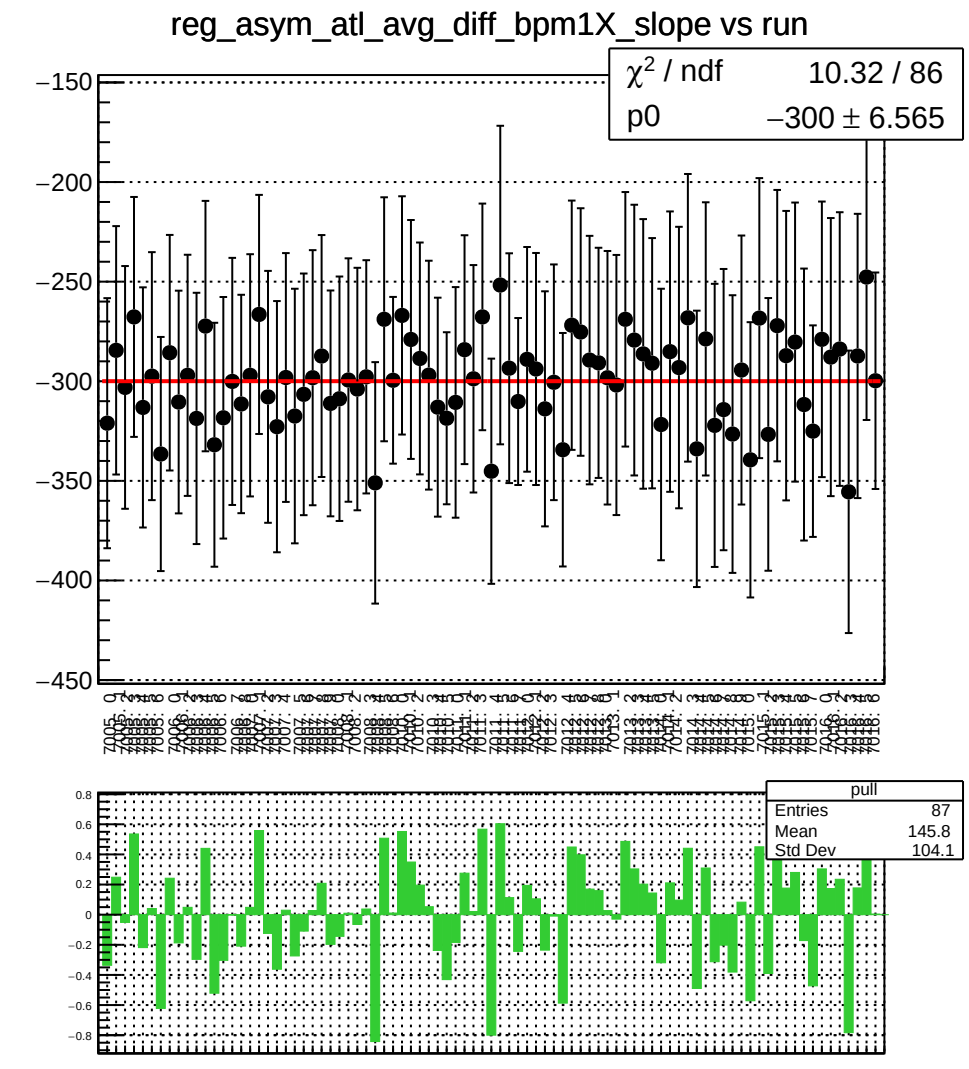

pull1D
Entries 87
Mean −0.004021
Std Dev 0.3398
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

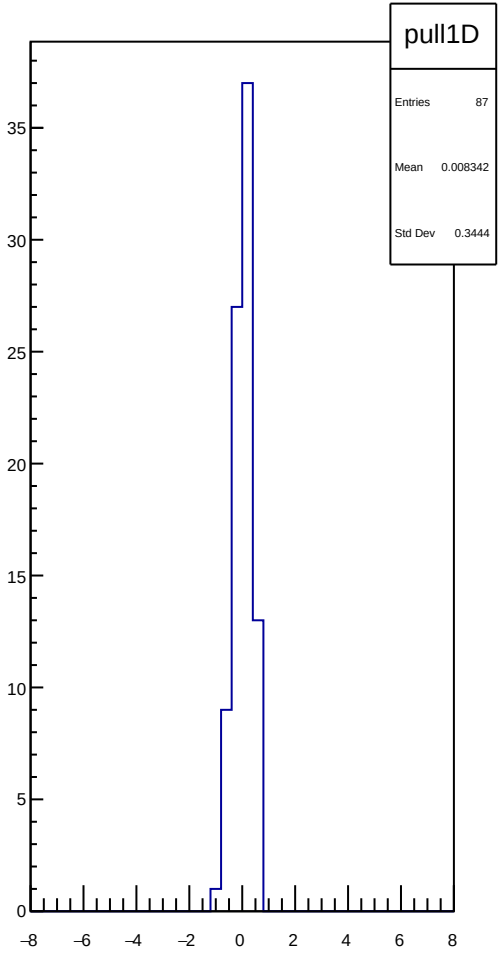

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.874 / 86
p0 152.8 ± 7.578
300
250
200
150
100
50
pull
Entries 87
Mean −1980
Std Dev 2015
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

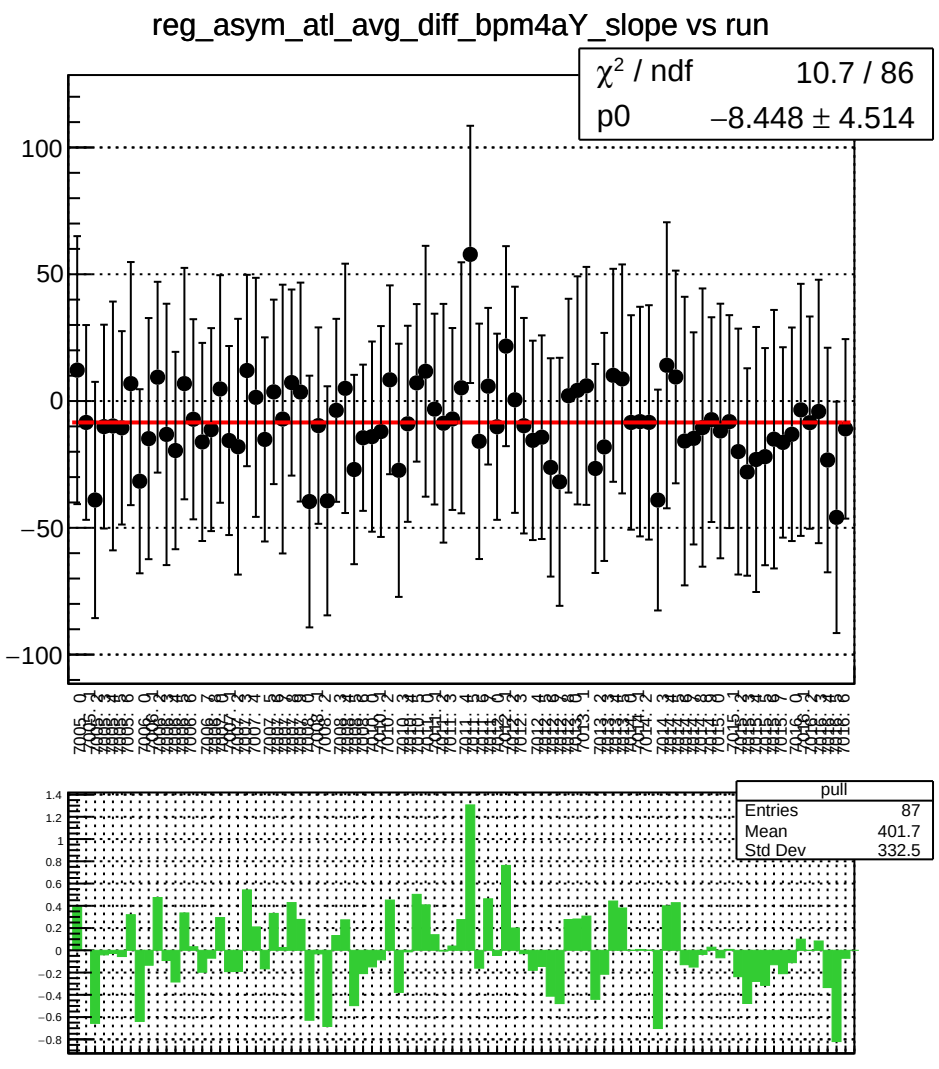

pull1D
Entries 87
Mean 0.0008836
Std Dev 0.2811
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

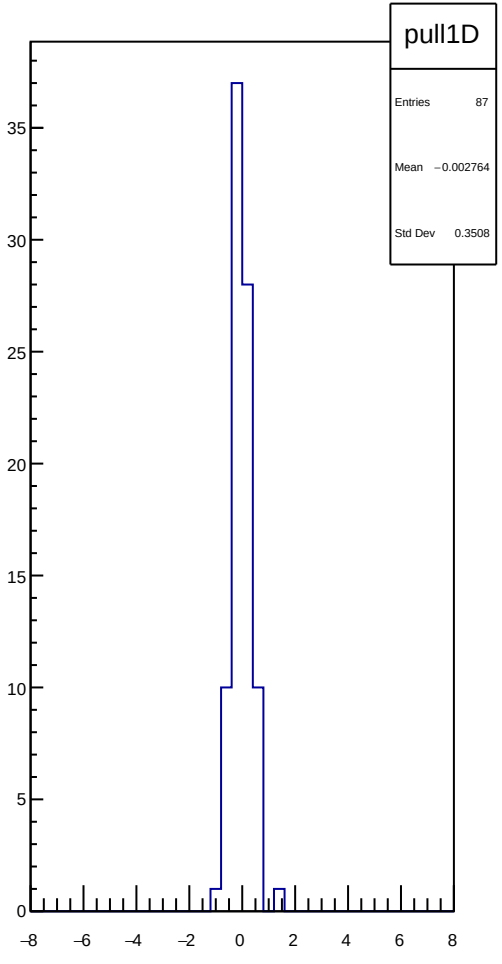

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.57 / 86
p0 −257.7 ± 0.3485
−252
−254
−256
−258
−260
−262
−264
−266
pull
Entries 87
Mean 732.1
Std Dev 692.9
1
0.5
0
−0.5
−1

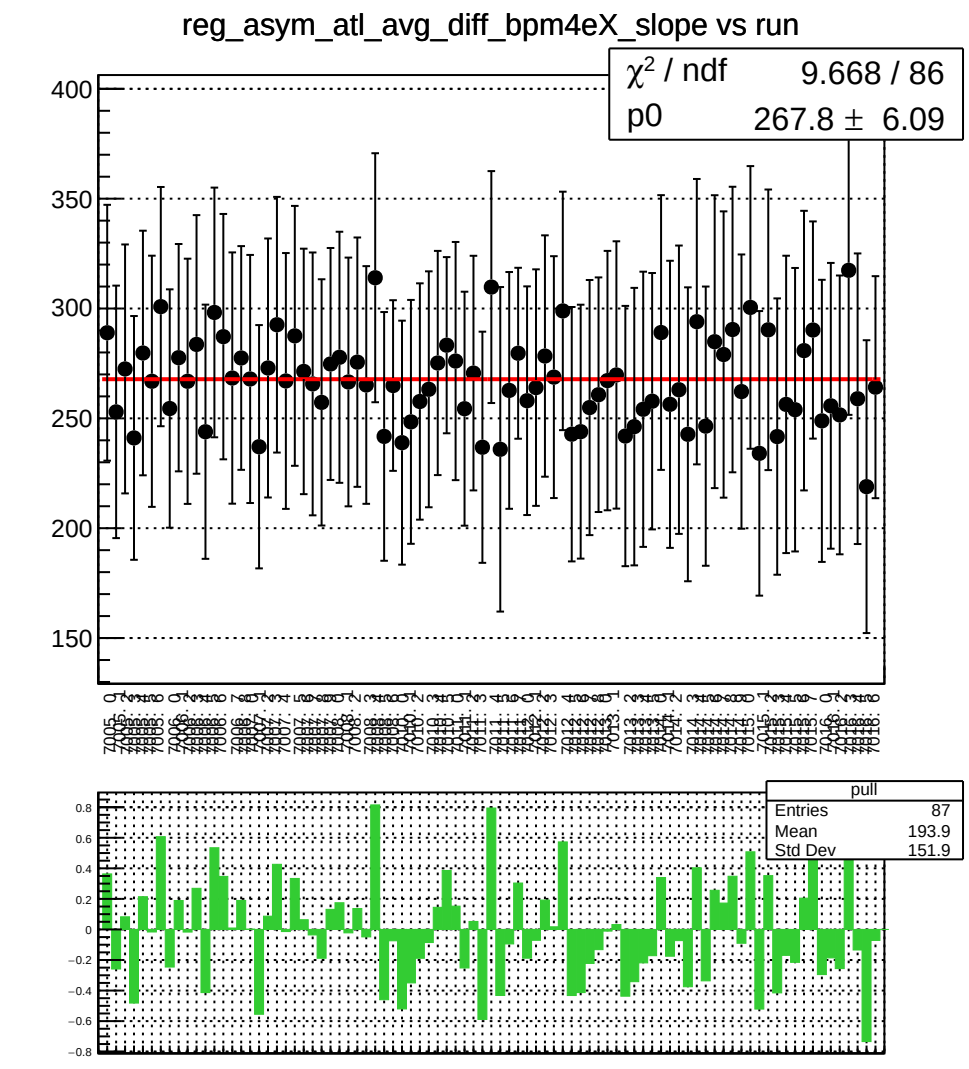

pull1D
Entries 87
Mean −0.002424
Std Dev 0.3949
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

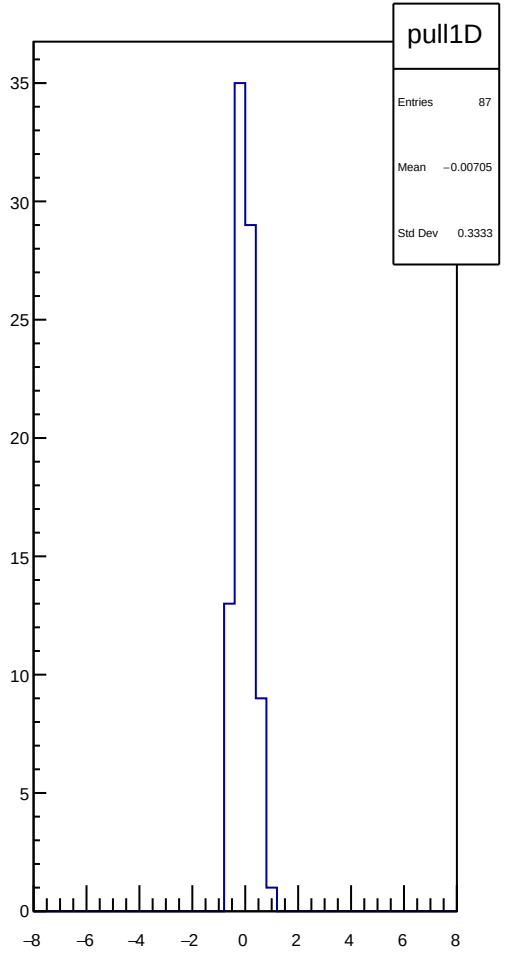

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 10.32 / 86
p0 −300 ± 6.565
pull
Entries 87
Mean 145.8
Std Dev 104.1

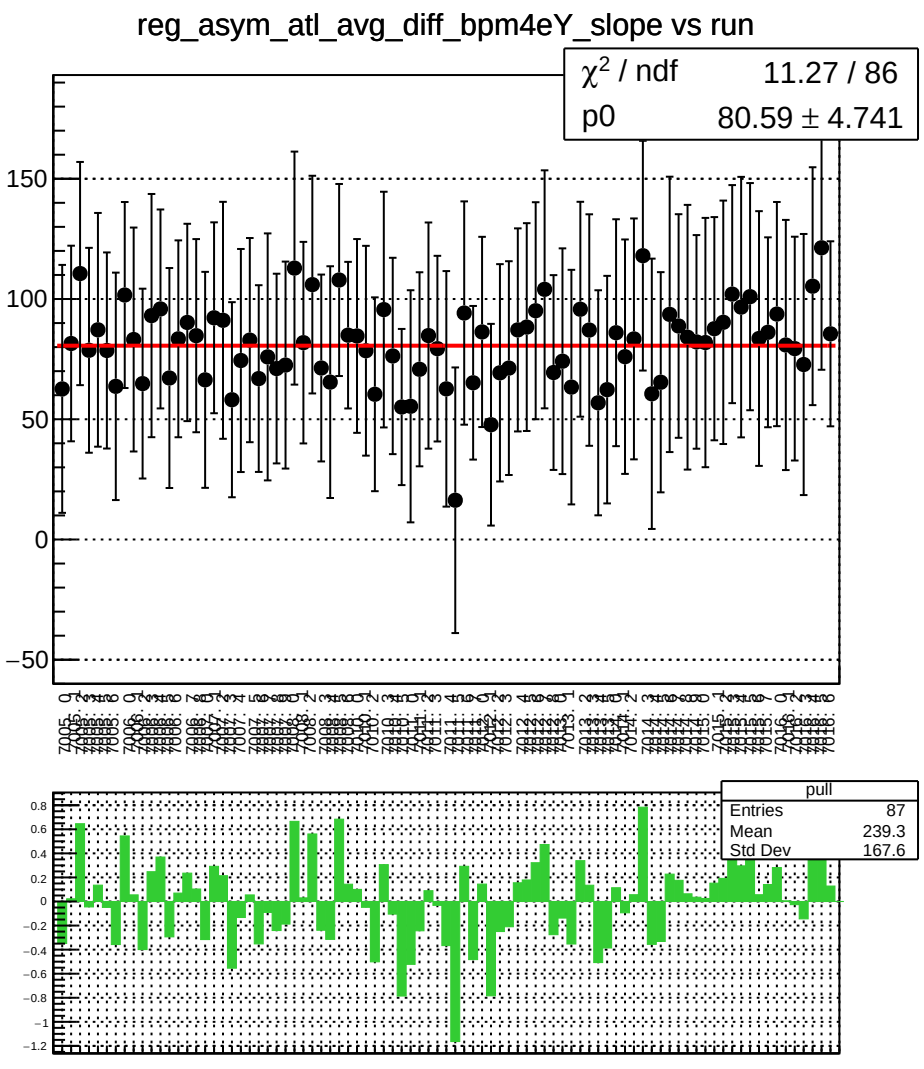

pull1D
Entries 87
Mean 0.008342
Std Dev 0.3444

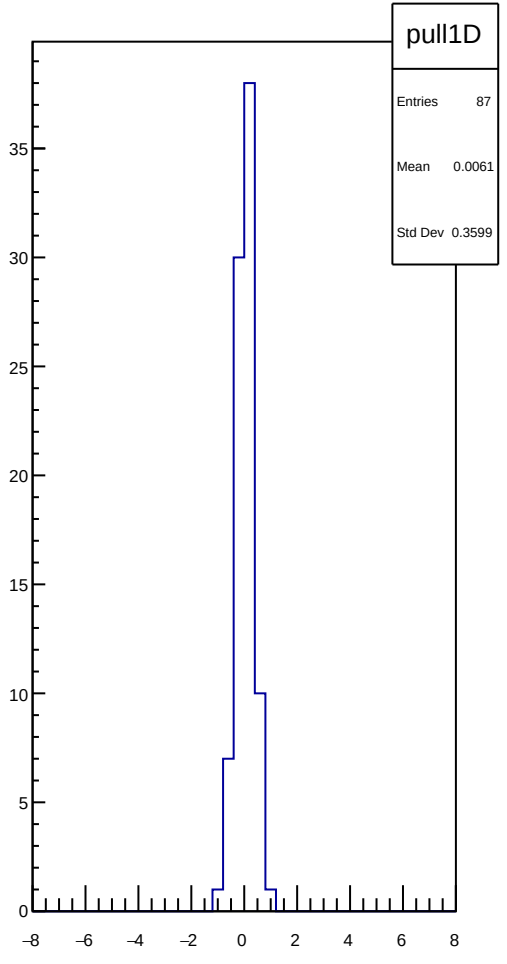

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.7 / 86
p0 −8.448 ± 4.514
pull
Entries 87
Mean 401.7
Std Dev 332.5

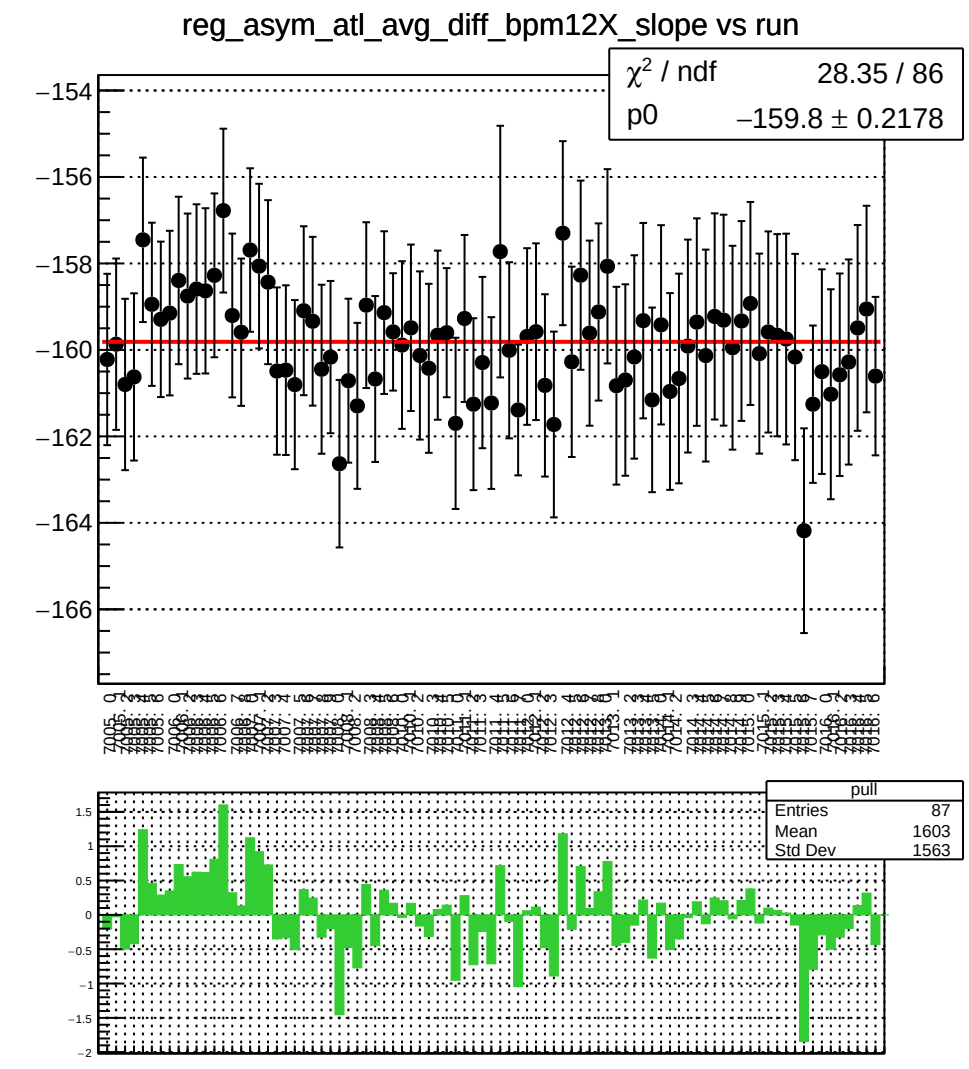

pull1D
Entries 87
Mean −0.002764
Std Dev 0.3508

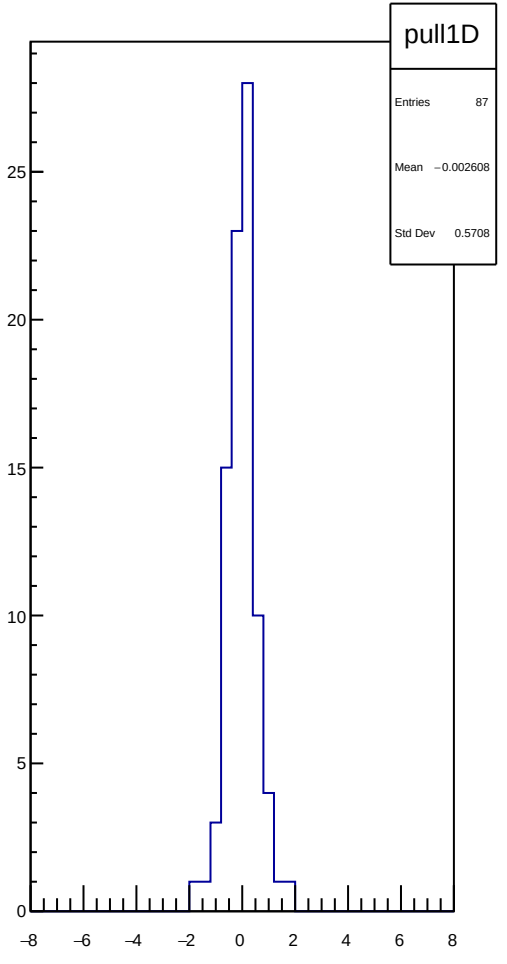

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.668 / 86
p0 267.8 ± 6.09
400
350
300
250
200
150
pull
Entries 87
Mean 193.9
Std Dev 151.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

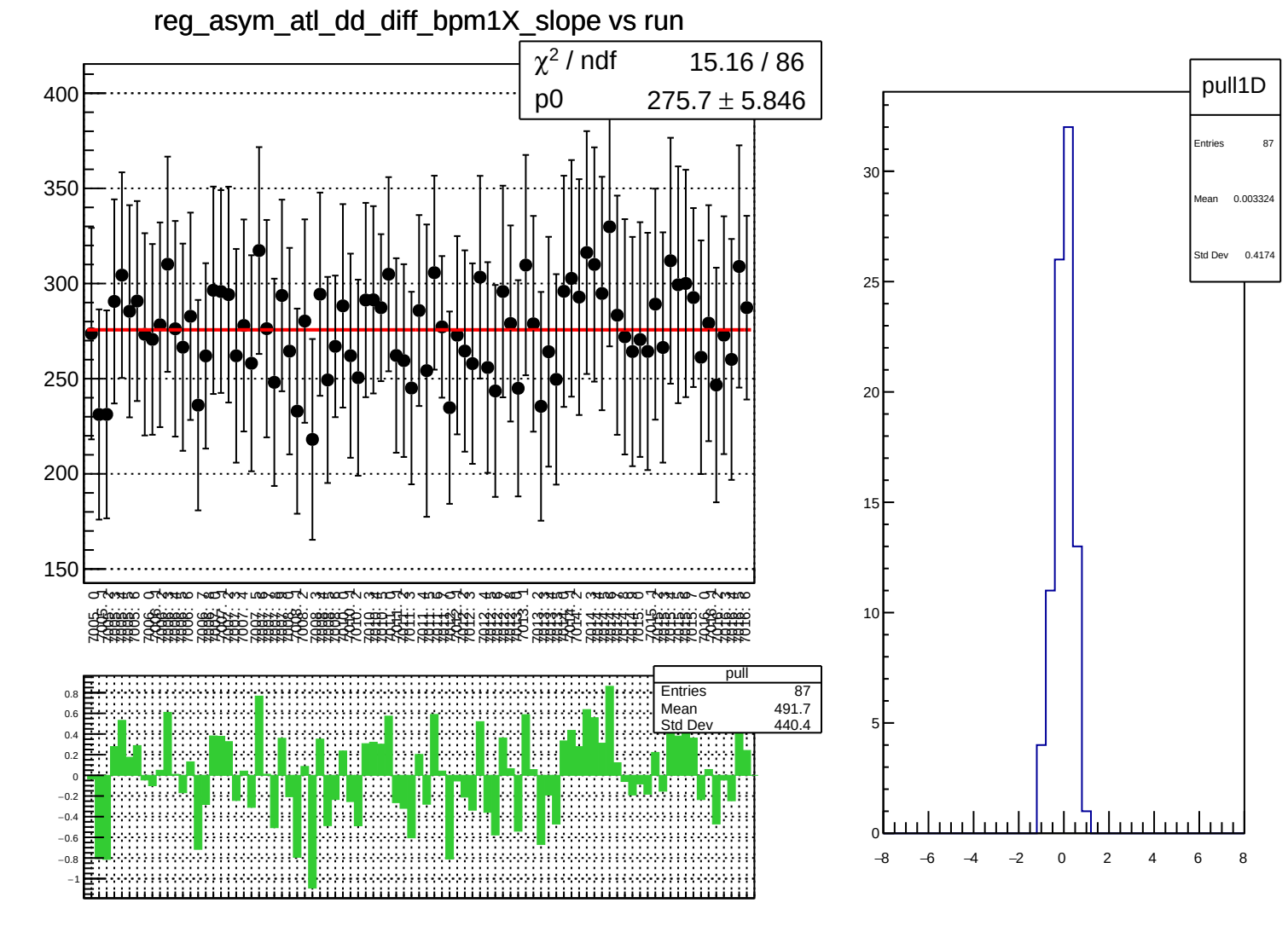

pull1D
Entries 87
Mean −0.00705
Std Dev 0.3333
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

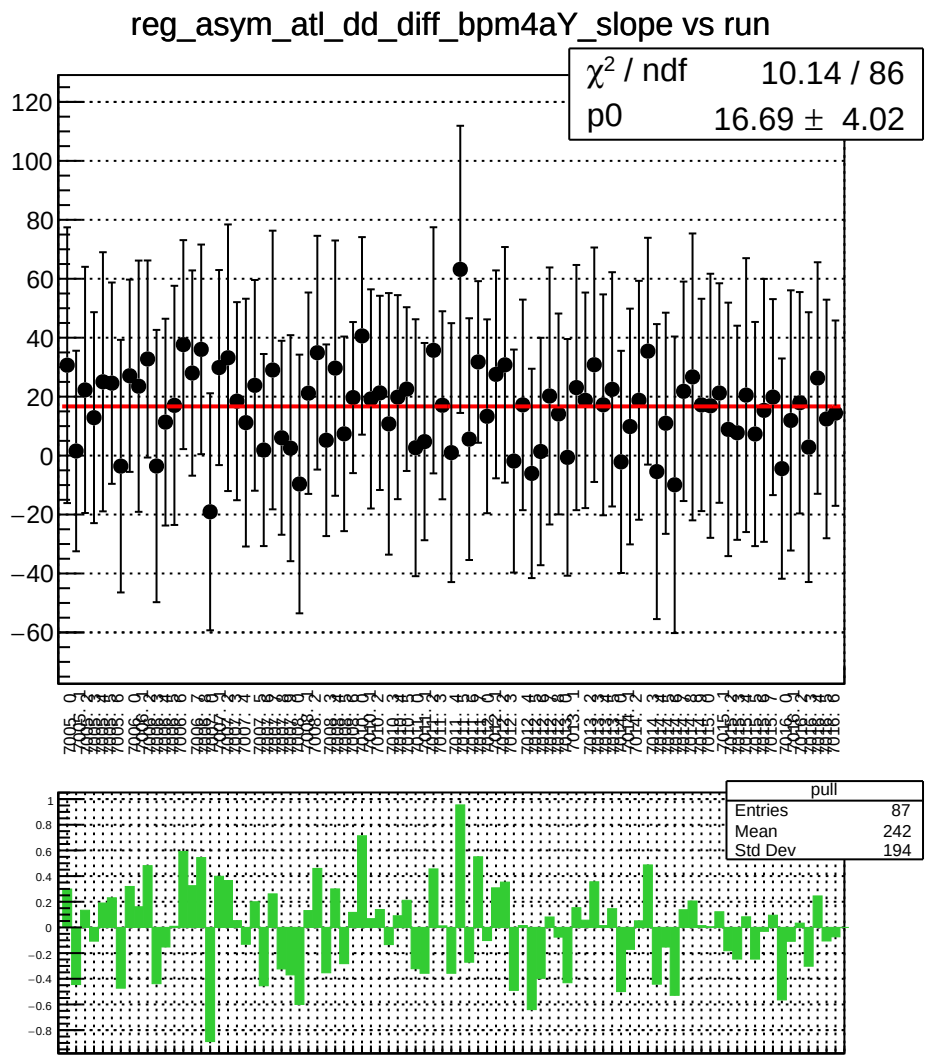

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 86
p0 80.59 ± 4.741
150
100
50
0
−50
pull
Entries 87
Mean 239.3
Std Dev 167.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

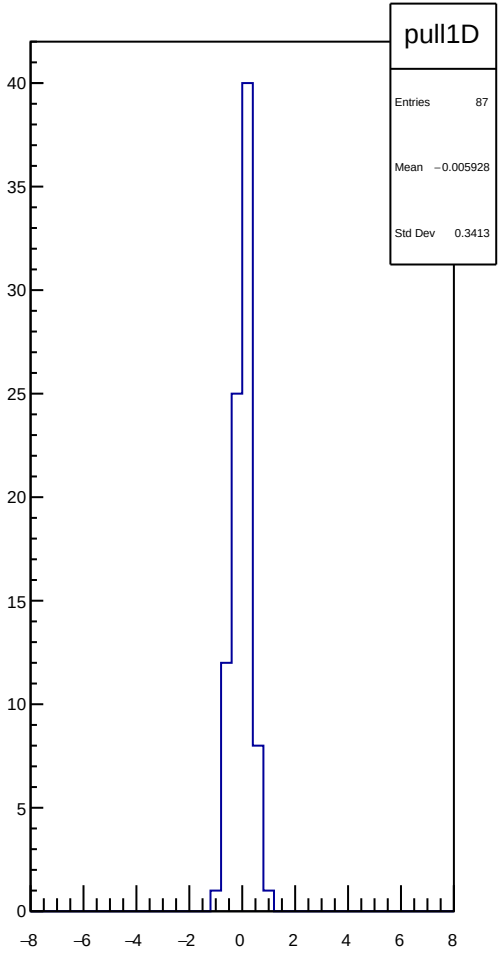

pull1D
Entries 87
Mean 0.0061
Std Dev 0.3599
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

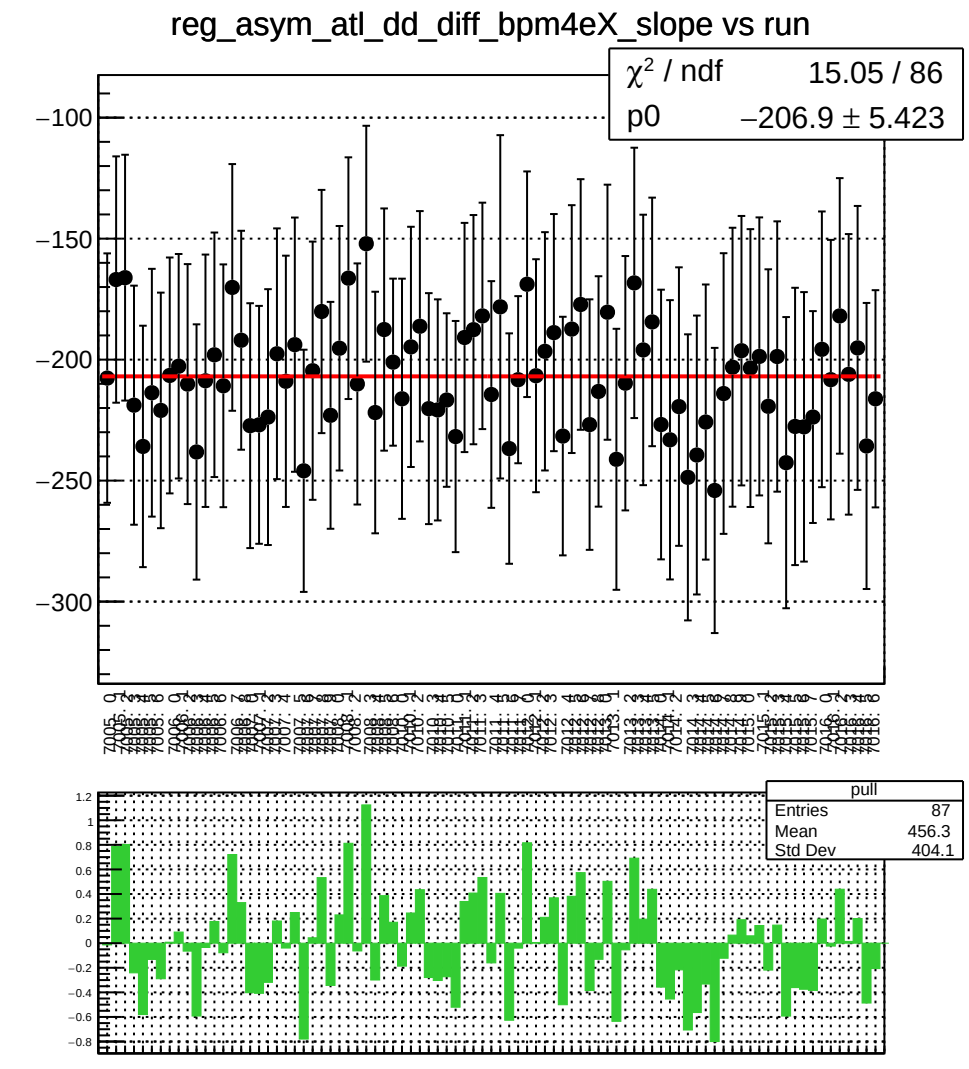

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 28.35 / 86
p0 −159.8 ± 0.2178
−154
−156
−158
−160
−162
−164
−166
pull
Entries 87
Mean 1603
Std Dev 1563
1.5
1
0.5
0
−0.5
−1
−1.5
−2

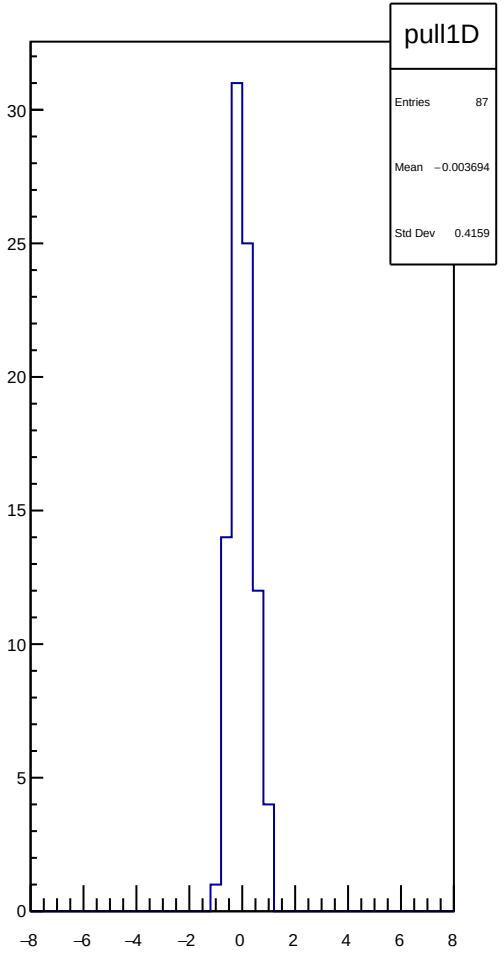

pull1D
Entries 87
Mean −0.002608
Std Dev 0.5708
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

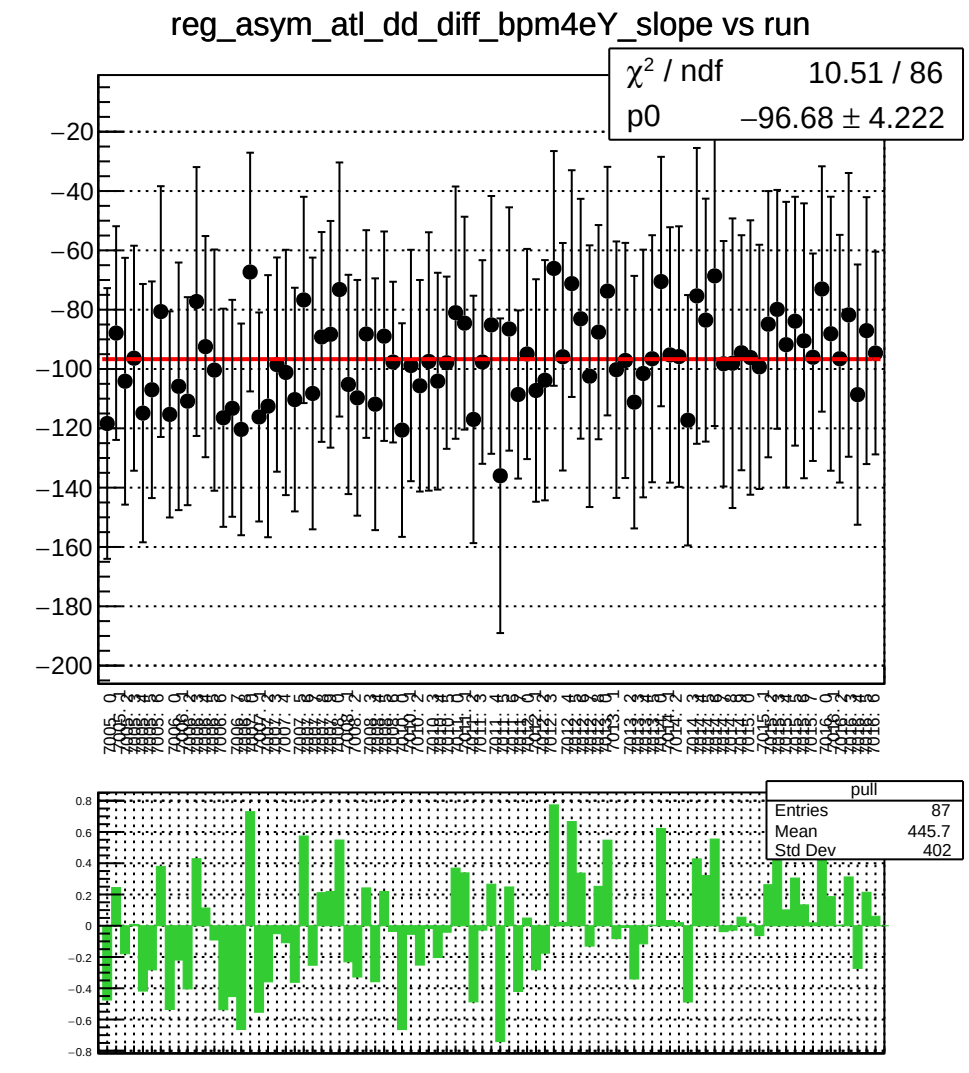

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 15.16 / 86
p0 275.7 ± 5.846
pull
Entries 87
Mean 491.7
Std Dev 440.4
pull1D
Entries 87
Mean 0.003324
Std Dev 0.4174

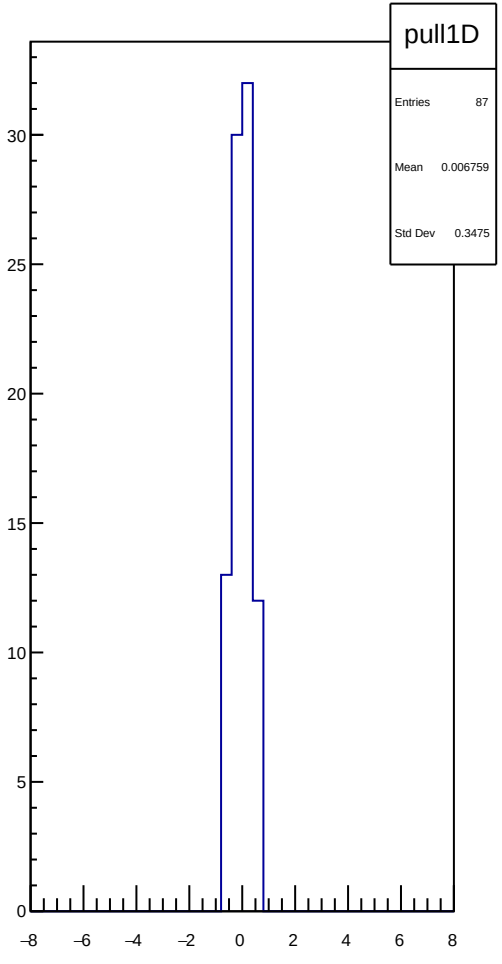

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.14 / 86
p0 16.69 ± 4.02
pull
Entries 87
Mean 242
Std Dev 194

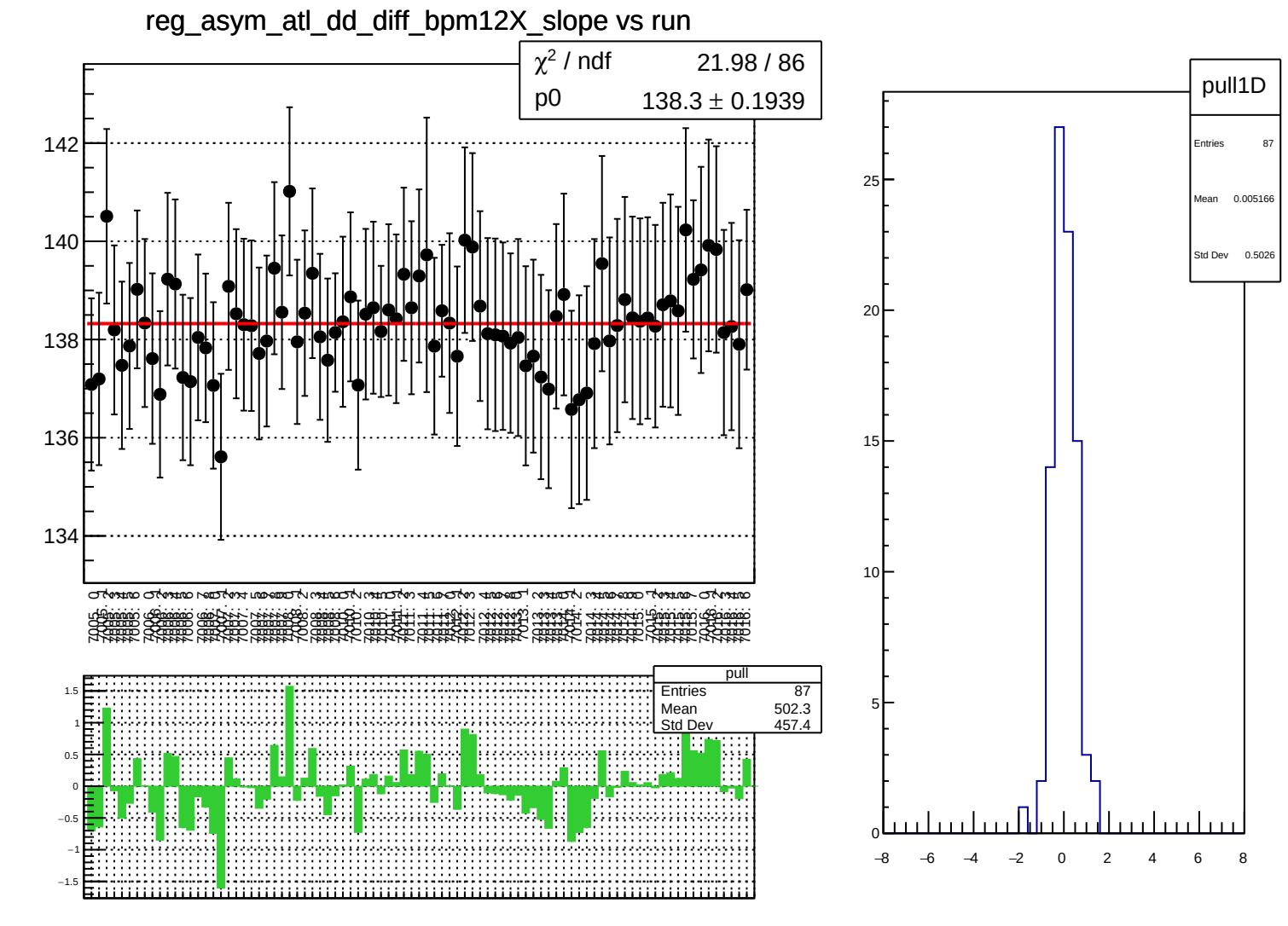

pull1D
Entries 87
Mean −0.005928
Std Dev 0.3413

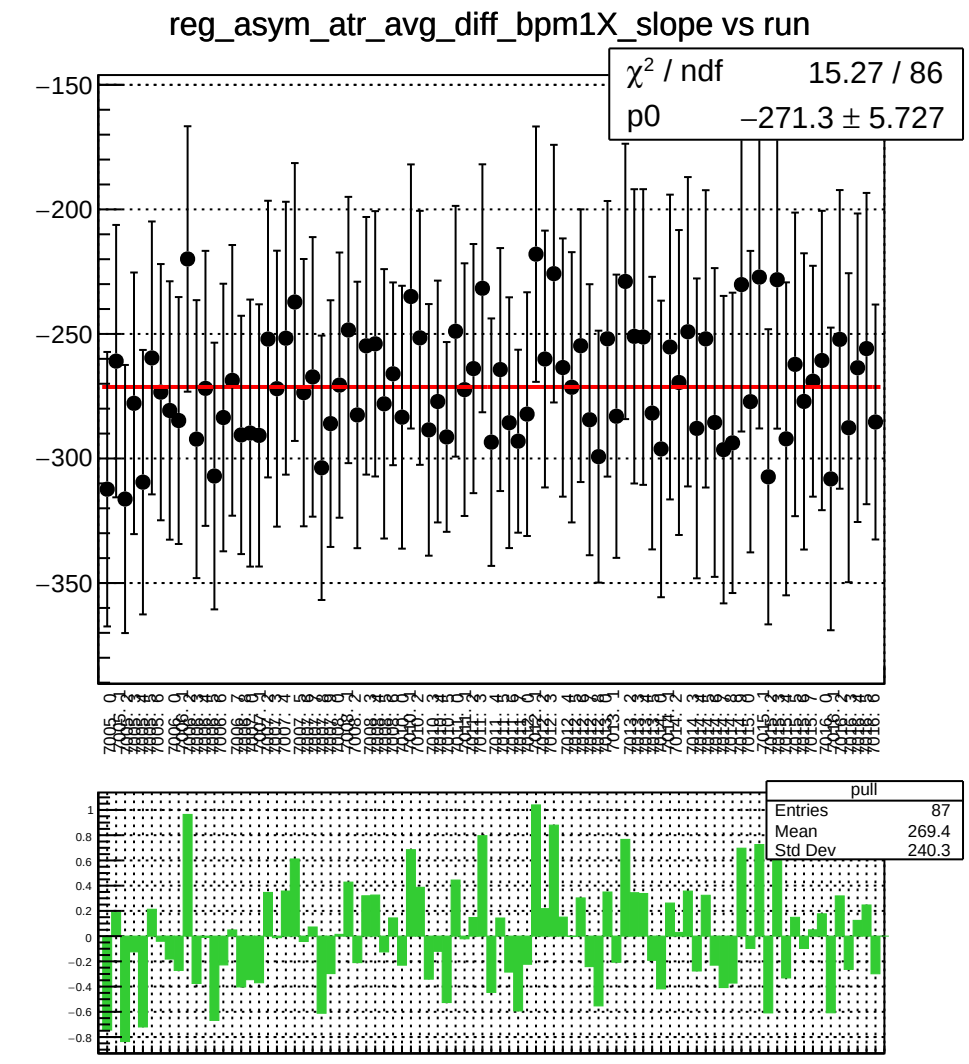

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.05 / 86
p0 −206.9 ± 5.423
−100
−150
−200
−250
−300
pull
Entries 87
Mean 456.3
Std Dev 404.1
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

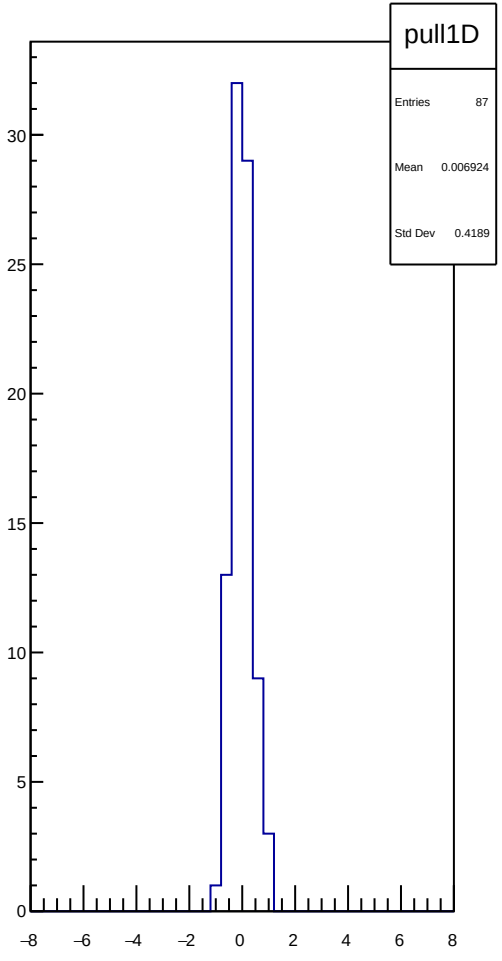

pull1D
Entries 87
Mean −0.003694
Std Dev 0.4159
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

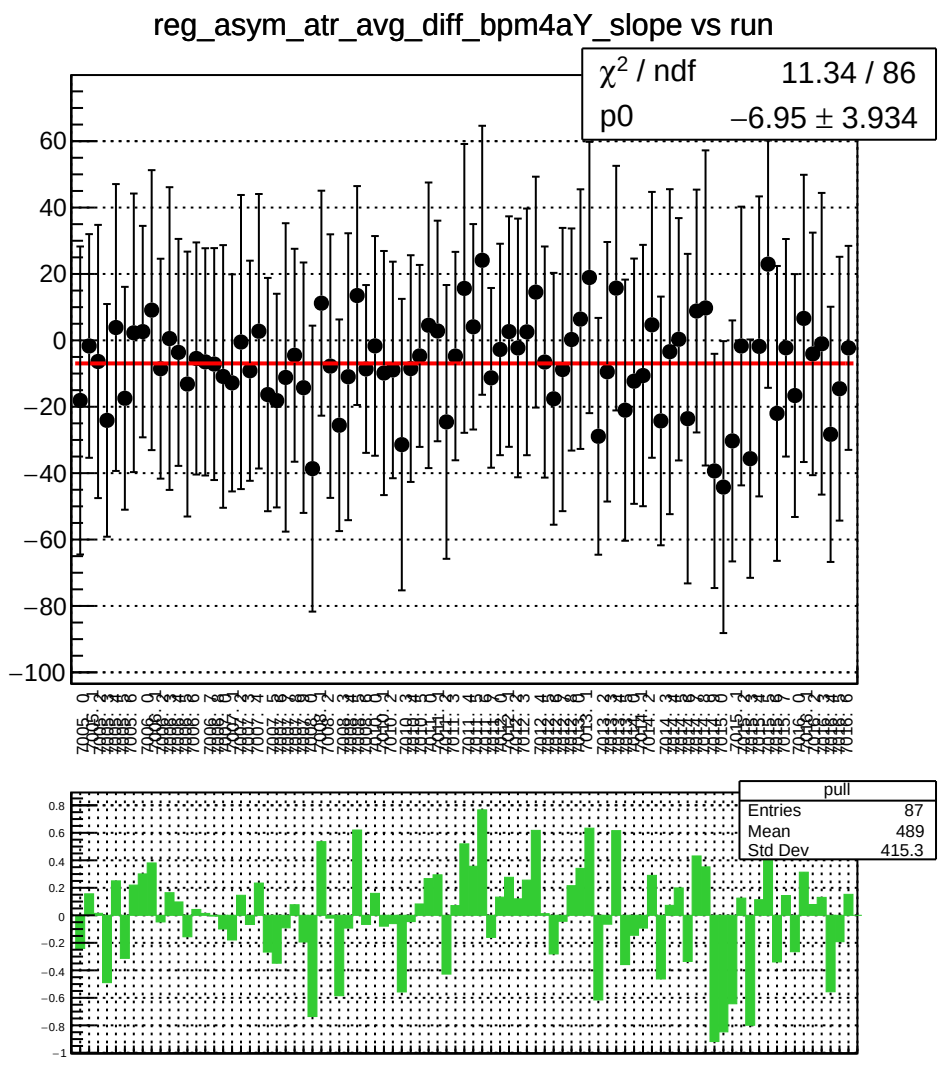

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.51 / 86
p0 −96.68 ± 4.222
pull
Entries 87
Mean 445.7
Std Dev 402

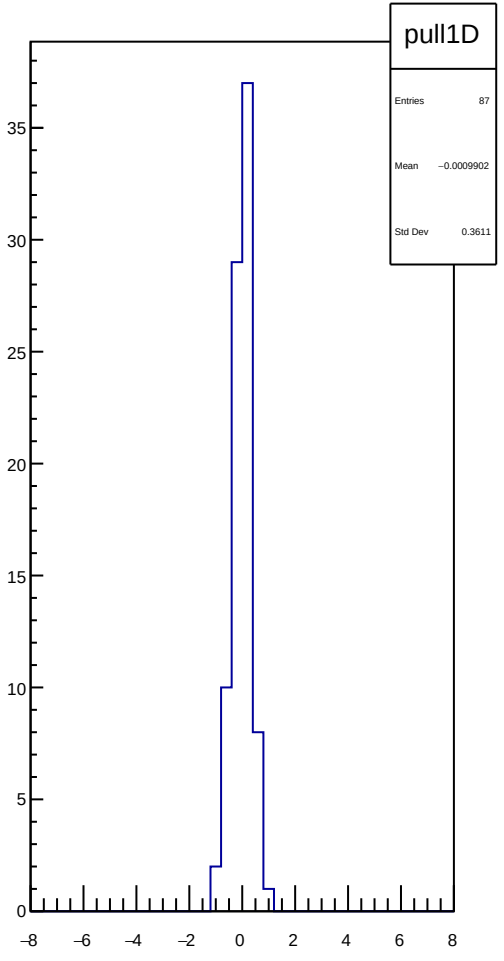

pull1D
Entries 87
Mean 0.006759
Std Dev 0.3475

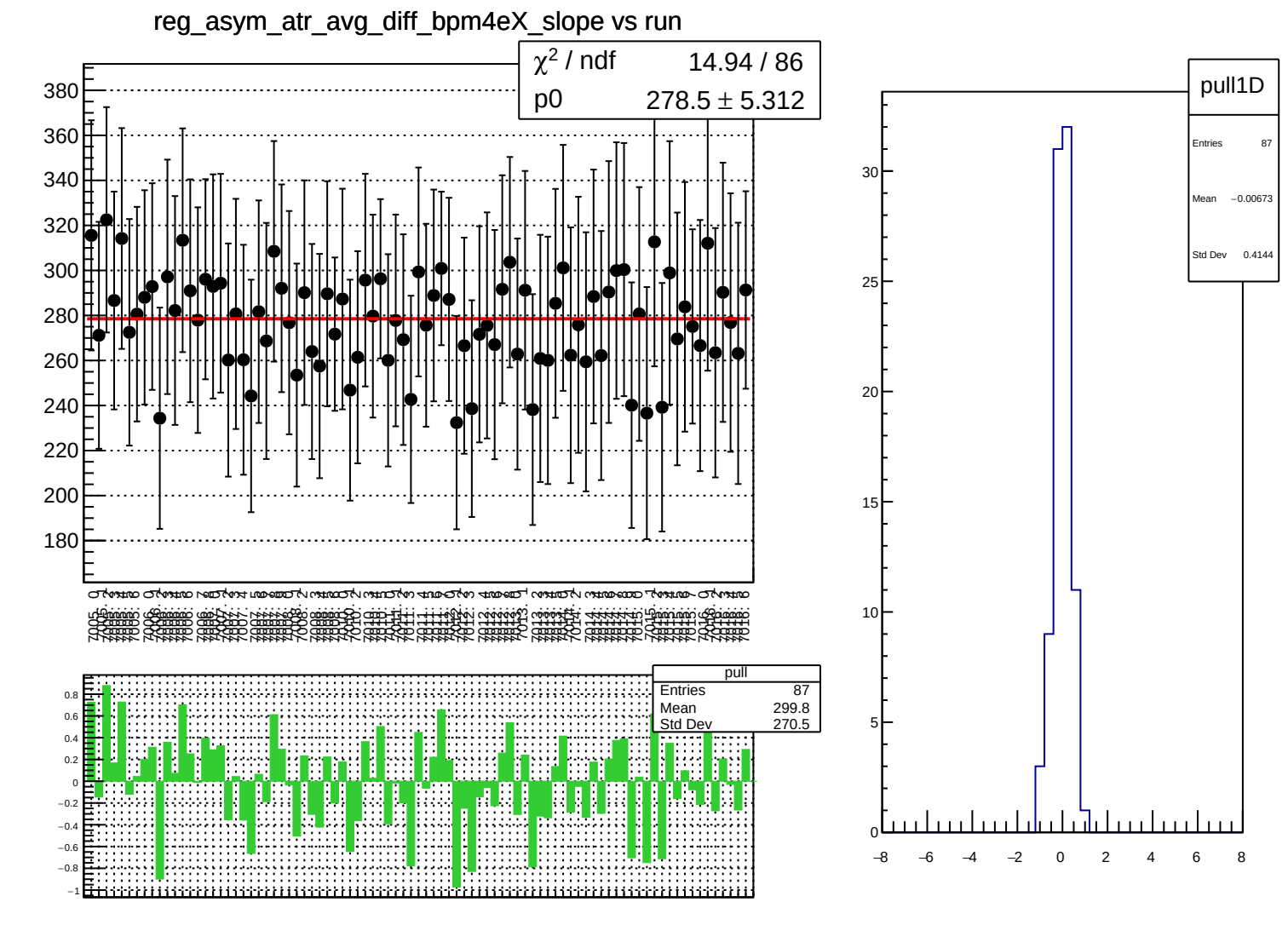

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 21.98 / 86
p0 138.3 ± 0.1939
142
140
138
136
134
pull
Entries 87
Mean 502.3
Std Dev 457.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.005166
Std Dev 0.5026
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

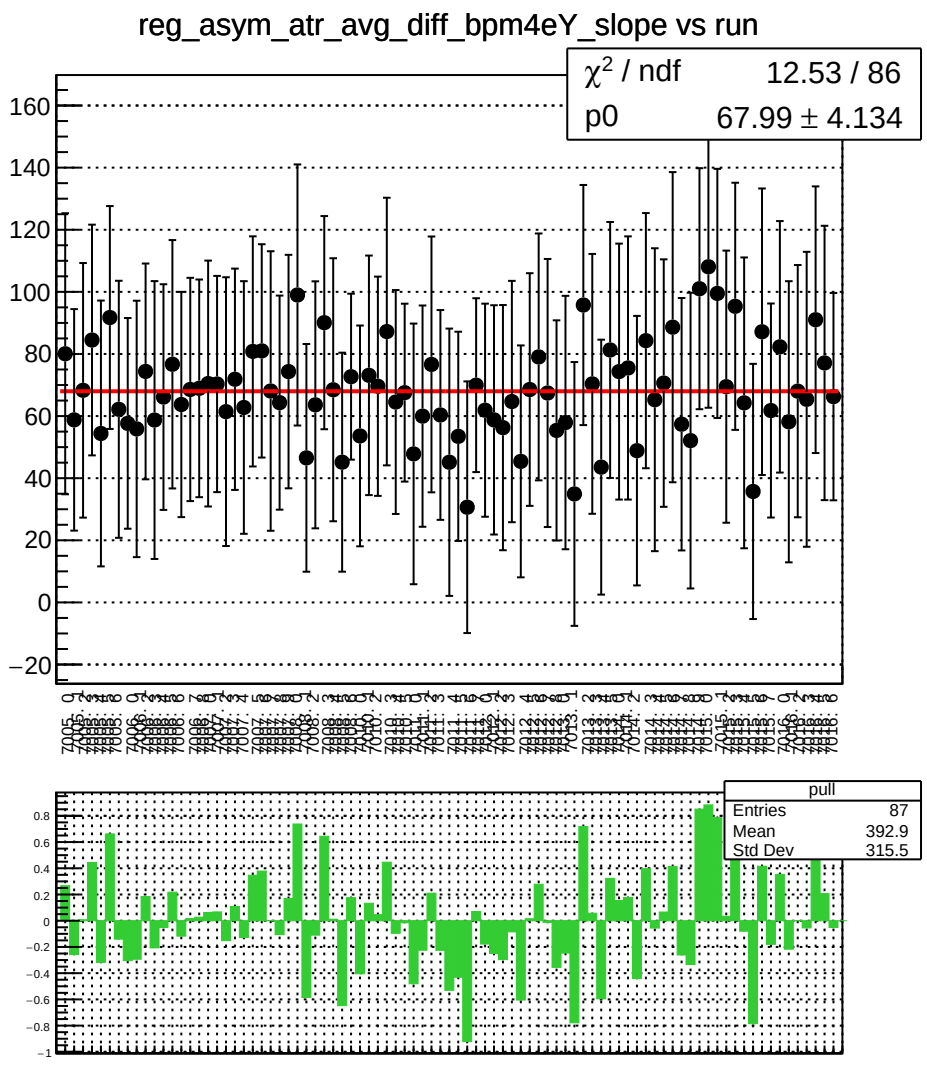

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 15.27 / 86
p0 −271.3 ± 5.727
pull
Entries 87
Mean 269.4
Std Dev 240.3

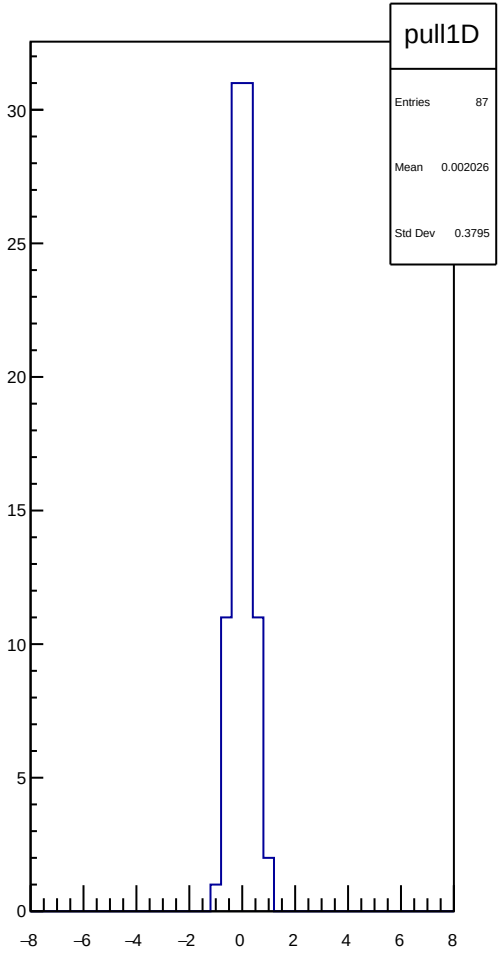

pull1D
Entries 87
Mean 0.006924
Std Dev 0.4189

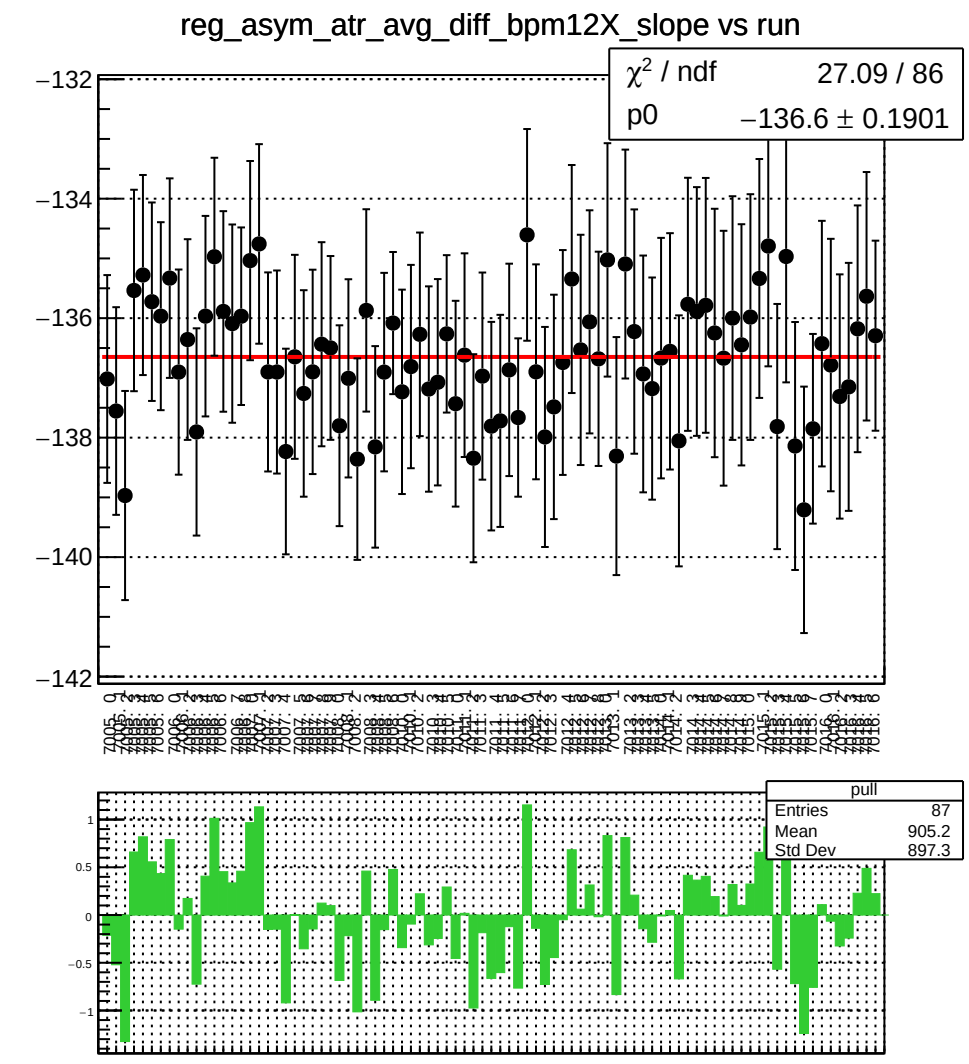

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.34 / 86
p0 −6.95 ± 3.934
pull
Entries 87
Mean 489
Std Dev 415.3

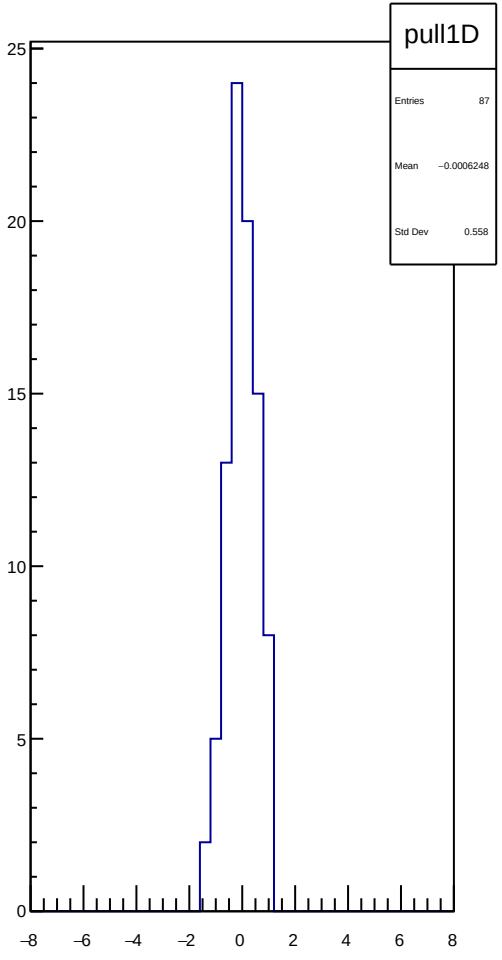

pull1D
Entries 87
Mean −0.0009902
Std Dev 0.3611

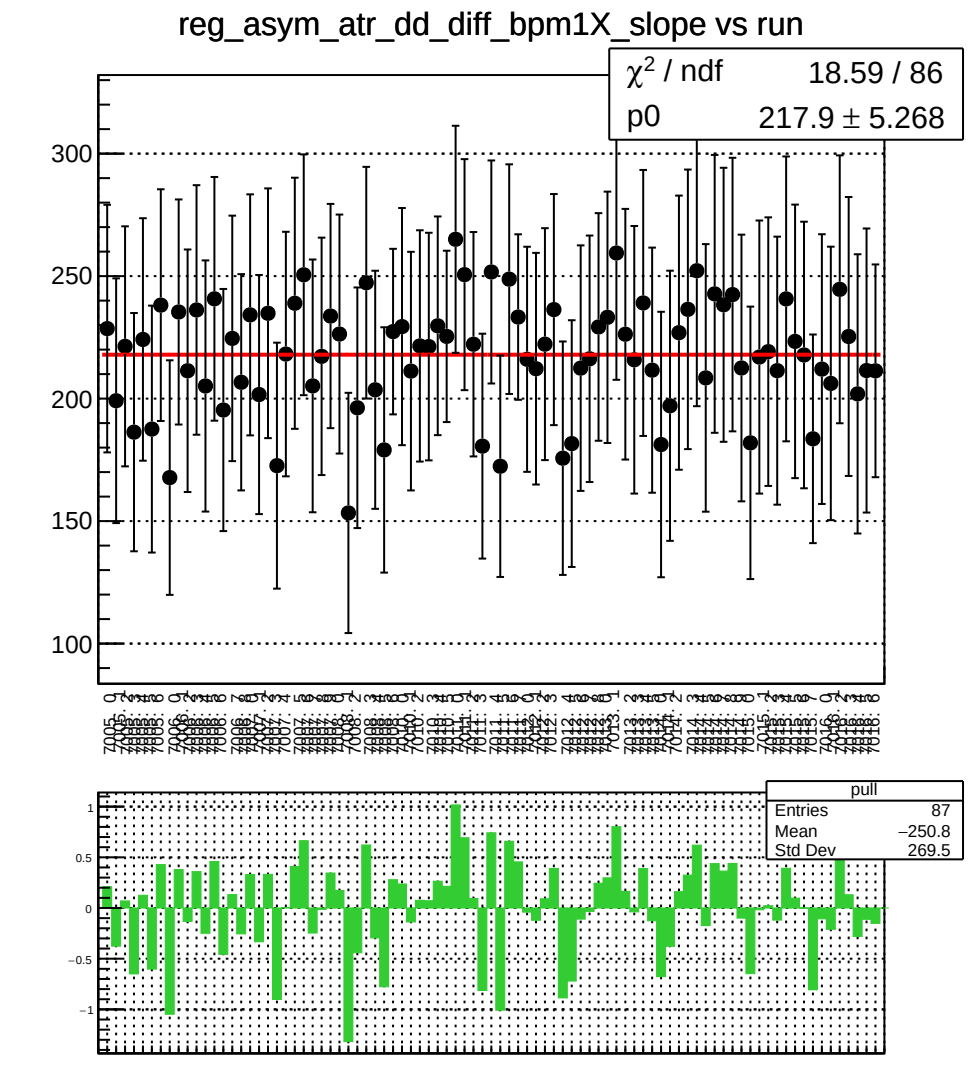

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.94 / 86
p0 278.5 ± 5.312
pull
Entries 87
Mean 299.8
Std Dev 270.5
pull1D
Entries 87
Mean −0.00673
Std Dev 0.4144

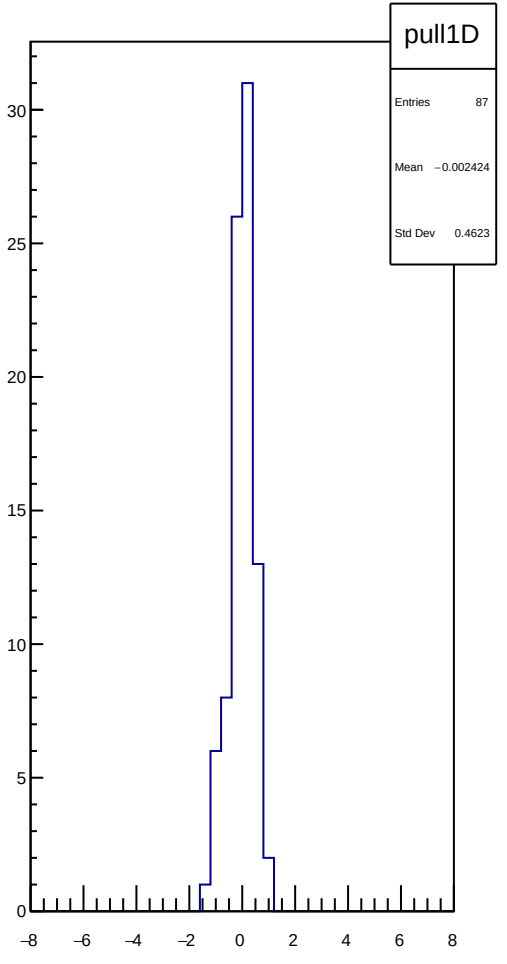

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.53 / 86
p0 67.99 ± 4.134
pull
Entries 87
Mean 392.9
Std Dev 315.5

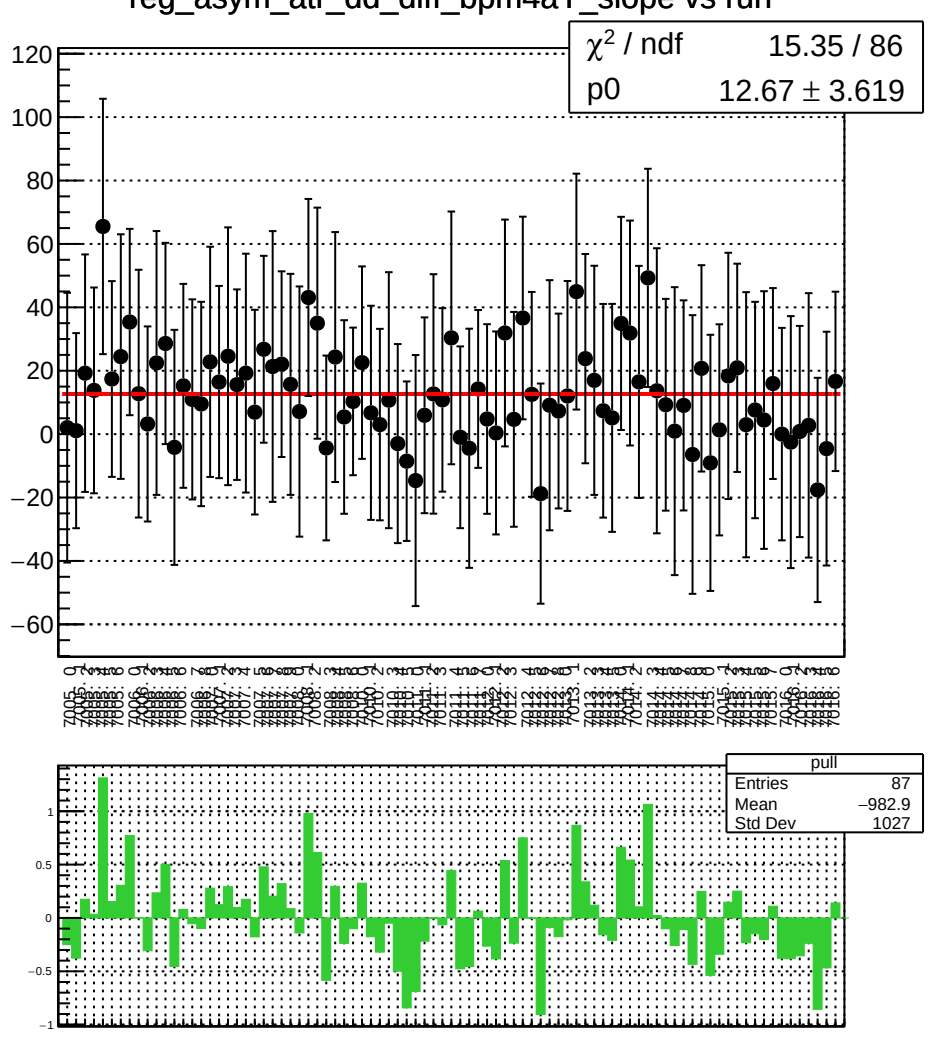

pull1D
Entries 87
Mean 0.002026
Std Dev 0.3795

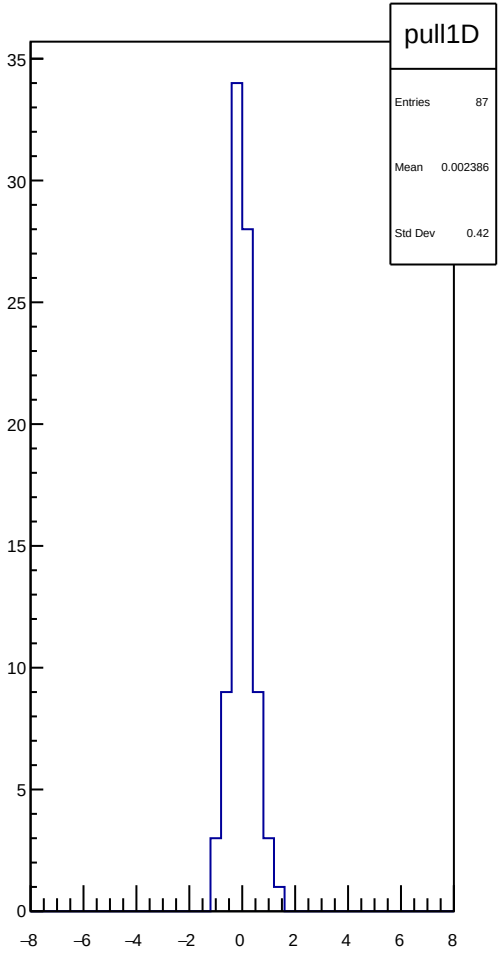

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 27.09 / 86
p0 −136.6 ± 0.1901
−132
−134
−136
−138
−140
−142
pull
Entries 87
Mean 905.2
Std Dev 897.3
1
0.5
0
−0.5
−1

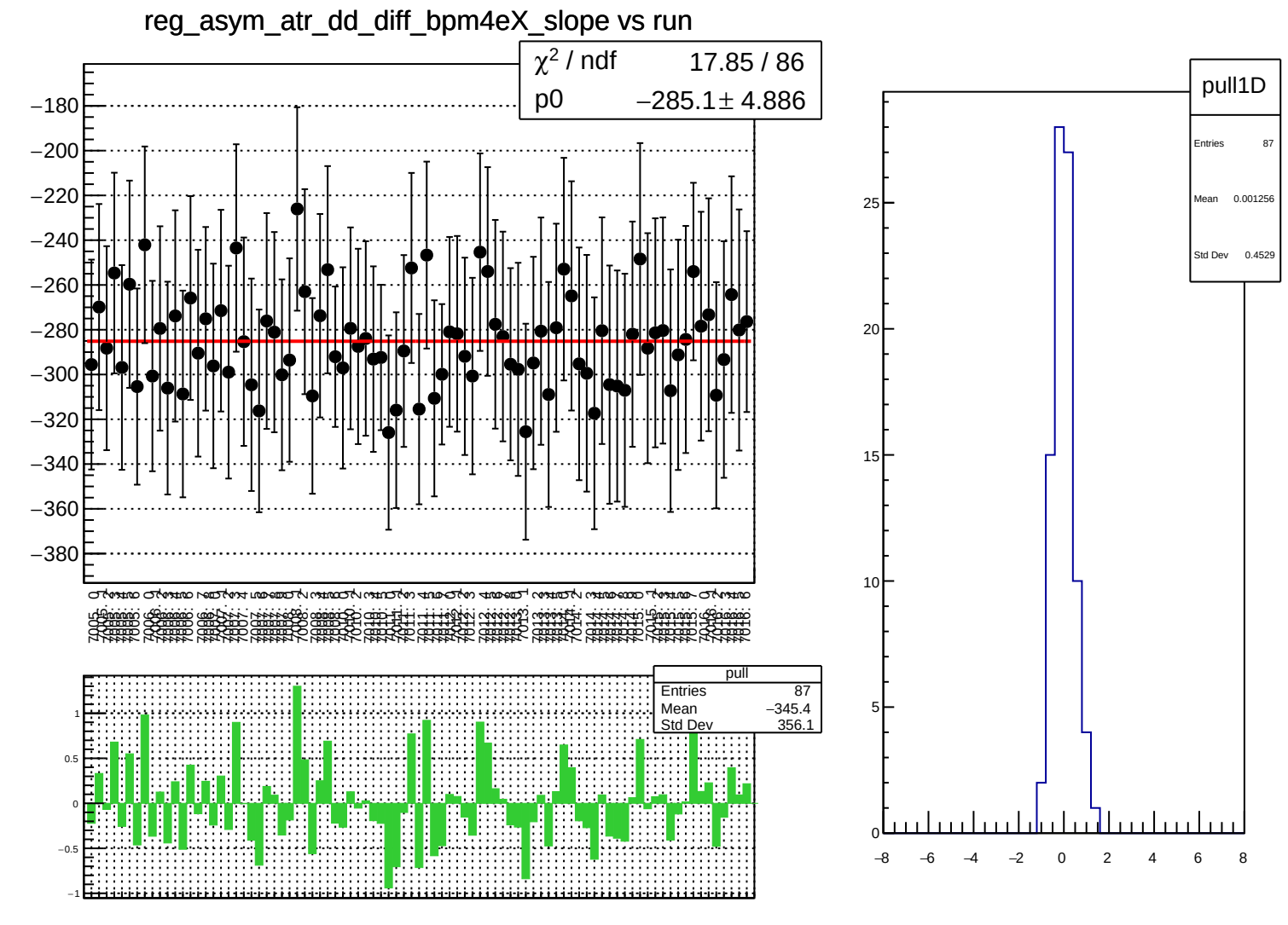

pull1D
Entries 87
Mean −0.0006248
Std Dev 0.558
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

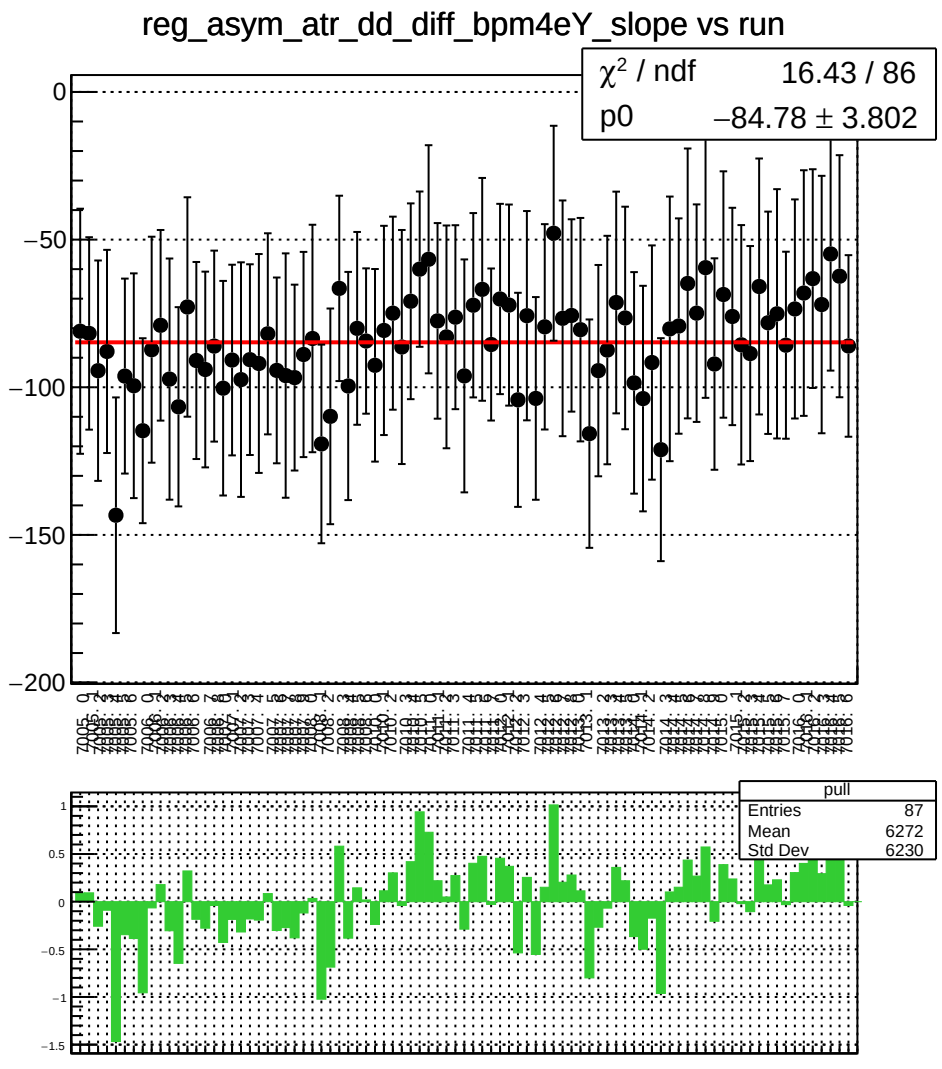

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 18.59 / 86
p0 217.9 ± 5.268
300
250
200
150
100
pull
Entries 87
Mean −250.8
Std Dev 269.5
1
0.5
0
−0.5
−1

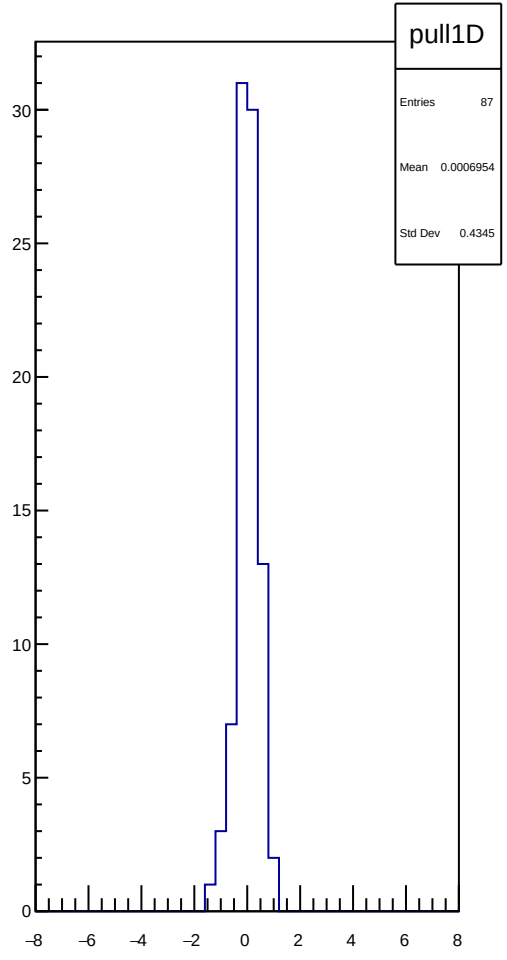

pull1D
Entries 87
Mean −0.002424
Std Dev 0.4623
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

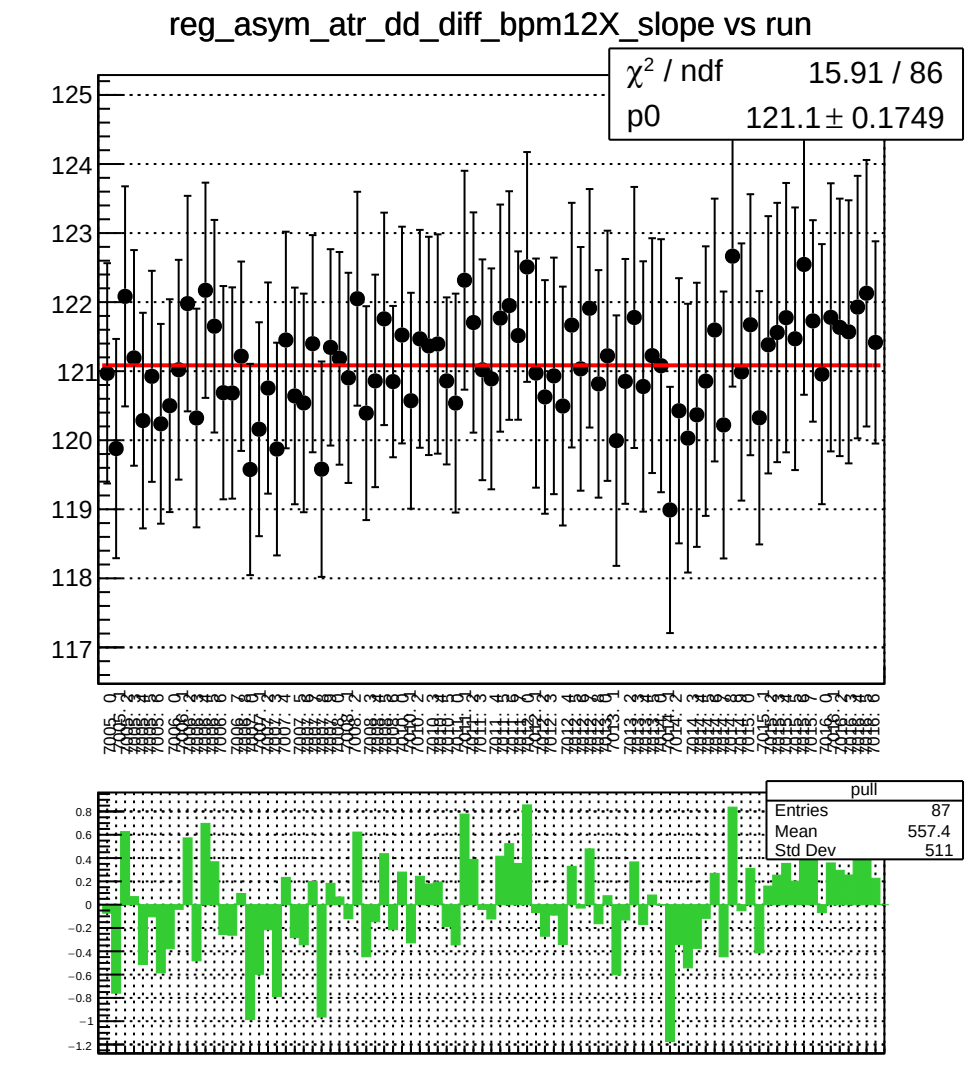

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 15.35 / 86
p0 12.67 ± 3.619
pull
Entries 87
Mean −982.9
Std Dev 1027

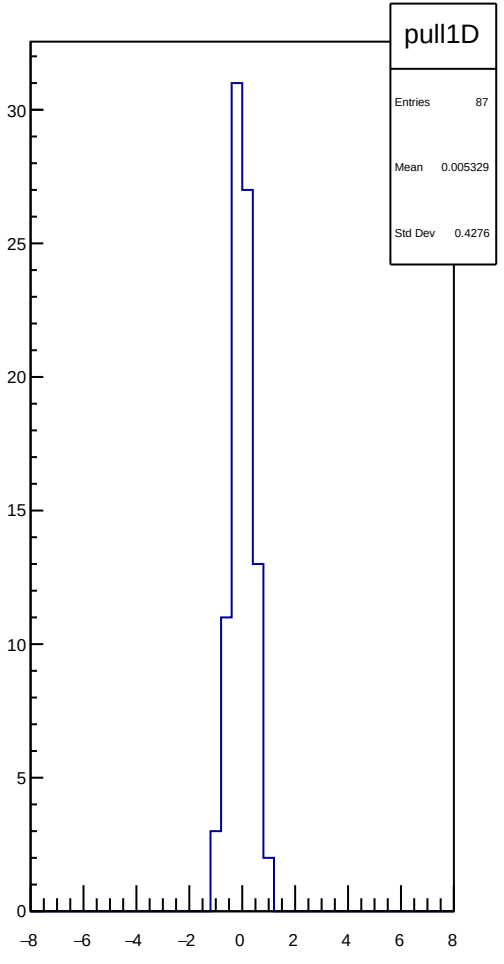

pull1D
Entries 87
Mean 0.002386
Std Dev 0.42

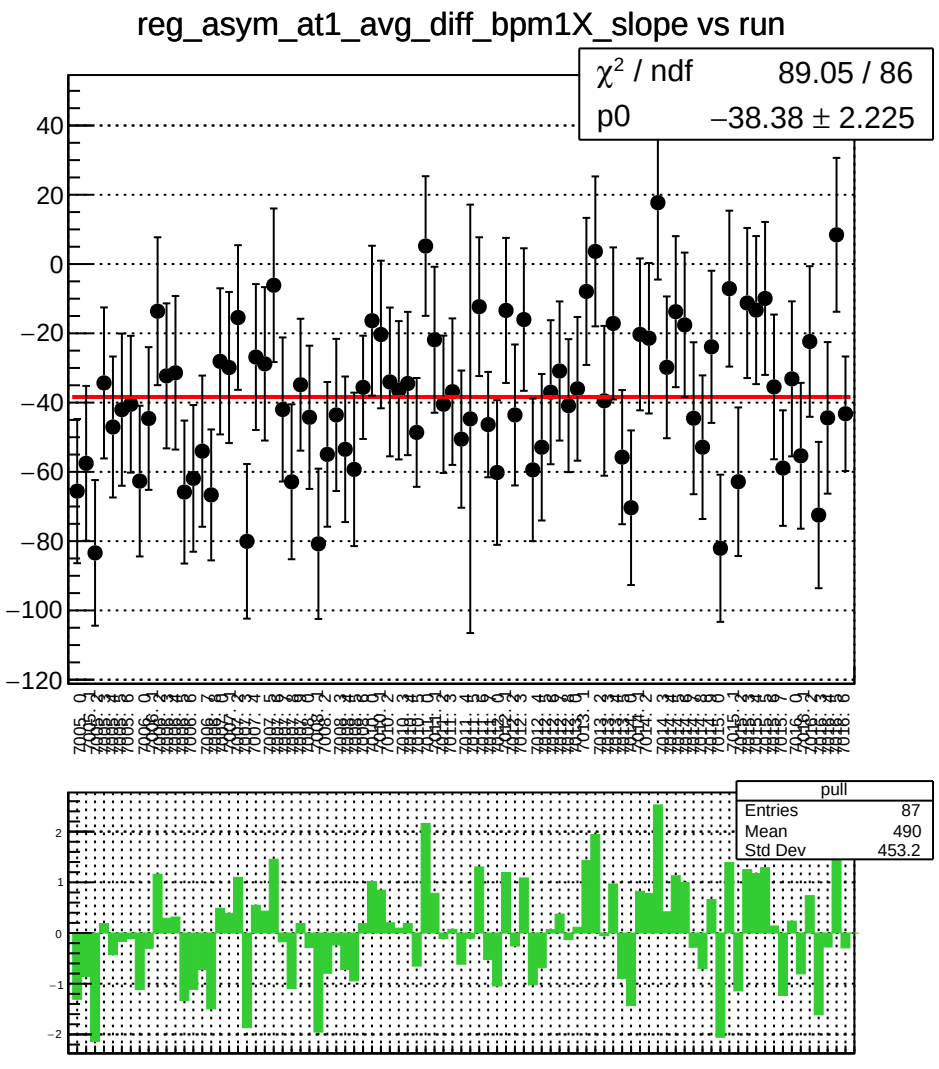

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.85 / 86
p0 −285.1 ± 4.886
pull
Entries 87
Mean −345.4
Std Dev 356.1
pull1D
Entries 87
Mean 0.001256
Std Dev 0.4529

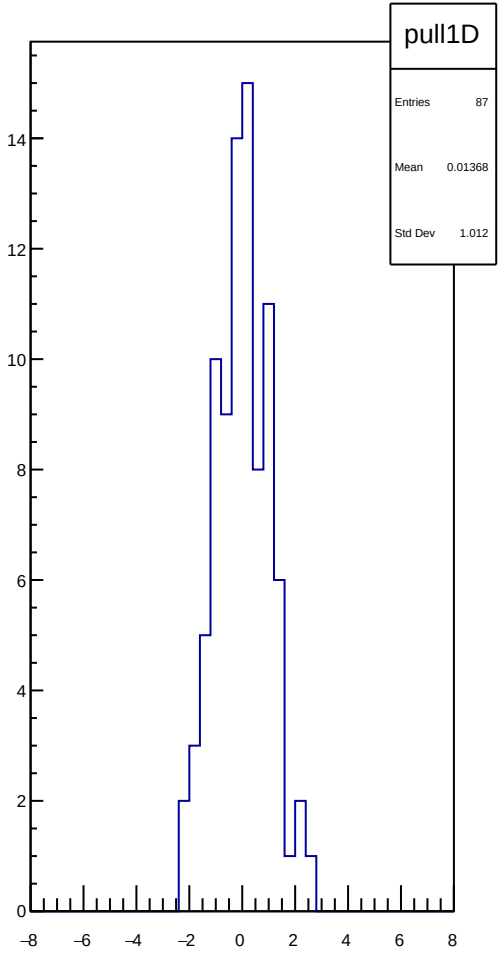

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.43 / 86
p0 −84.78 ± 3.802
pull
Entries 87
Mean 6272
Std Dev 6230

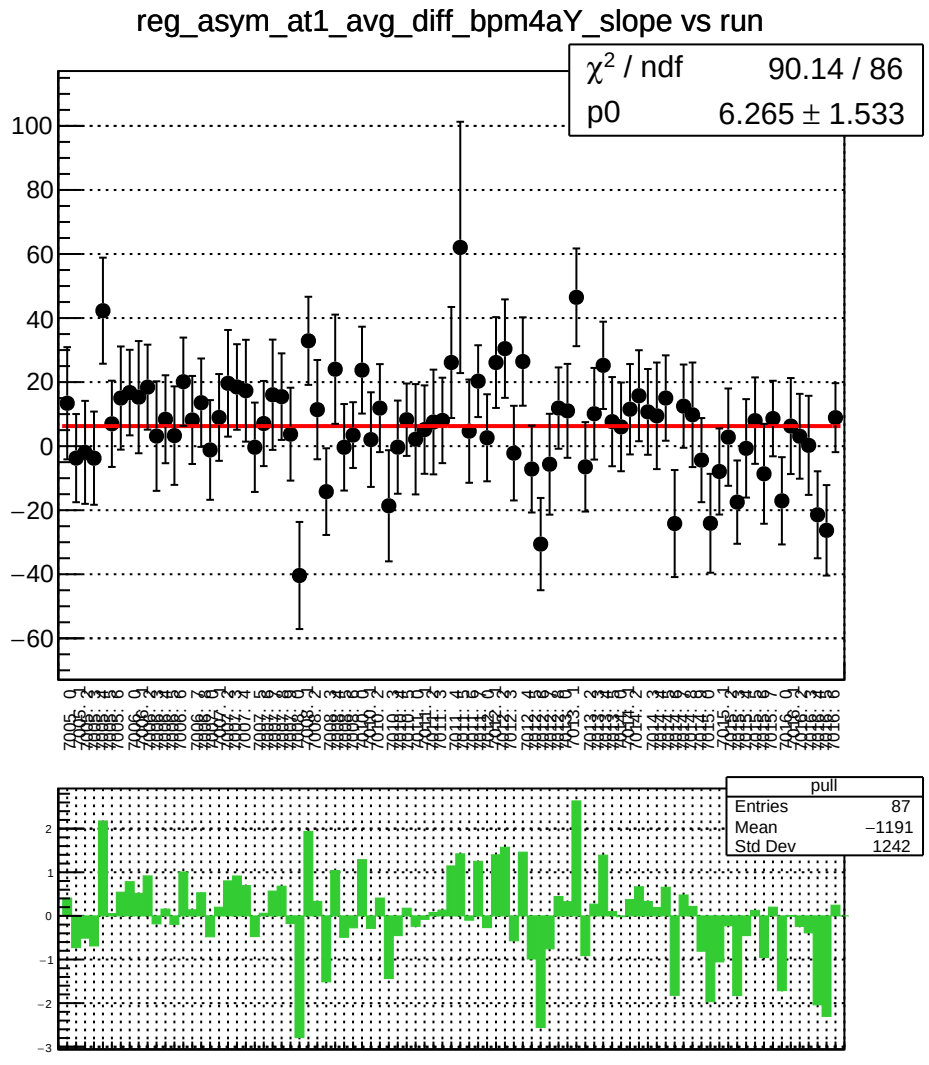

pull1D
Entries 87
Mean 0.0006954
Std Dev 0.4345

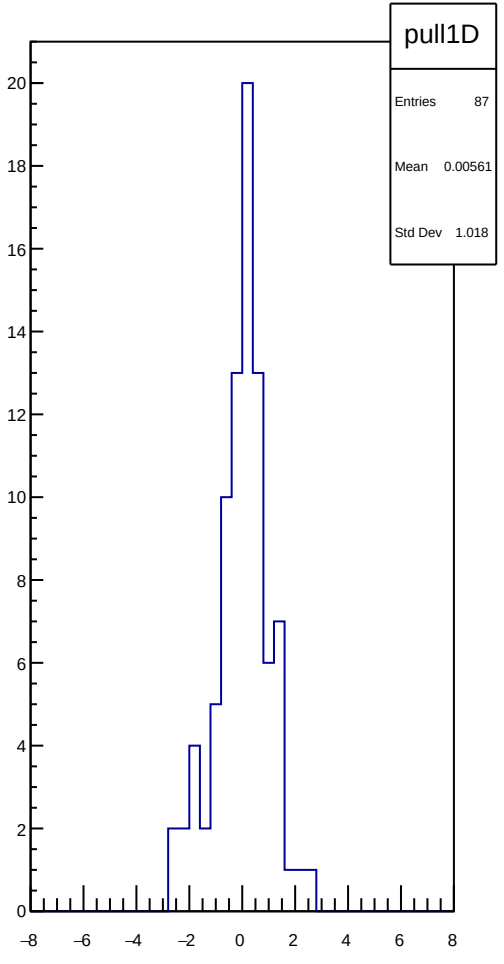

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 15.91 / 86
p0 121.1 ± 0.1749
pull
Entries 87
Mean 557.4
Std Dev 511

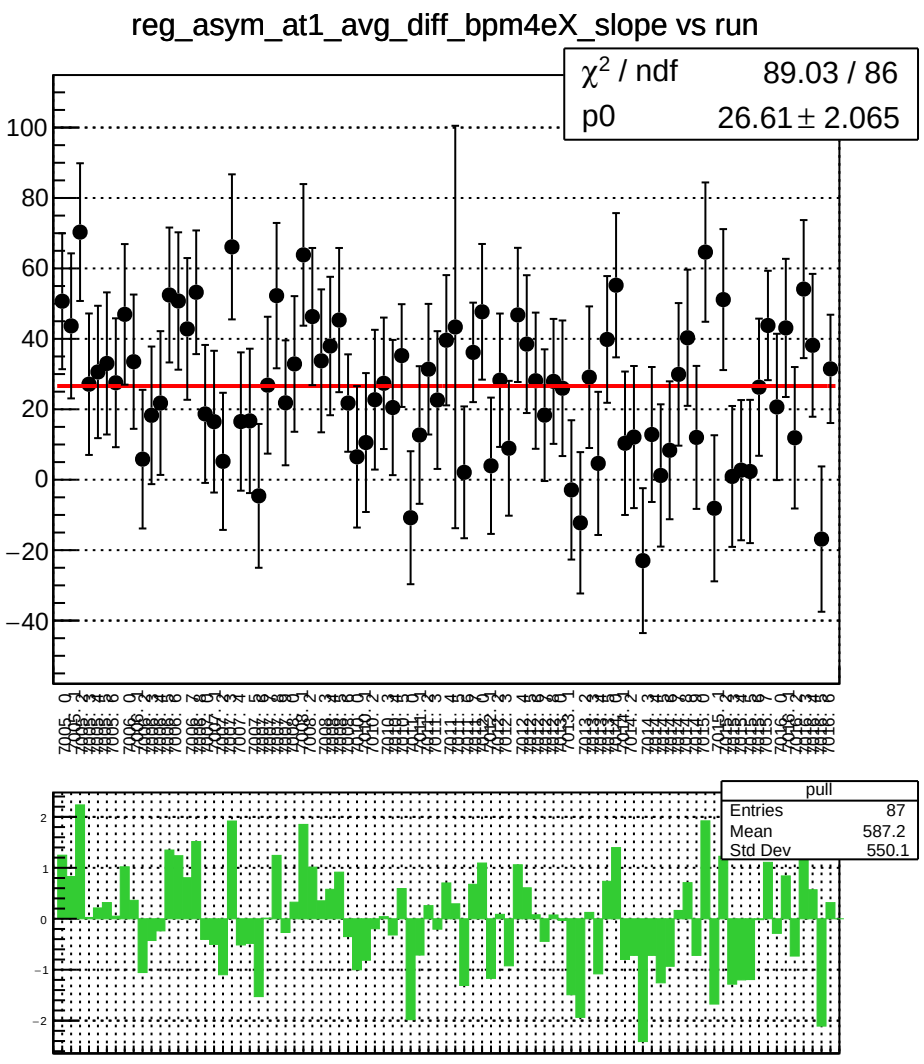

pull1D
Entries 87
Mean 0.005329
Std Dev 0.4276

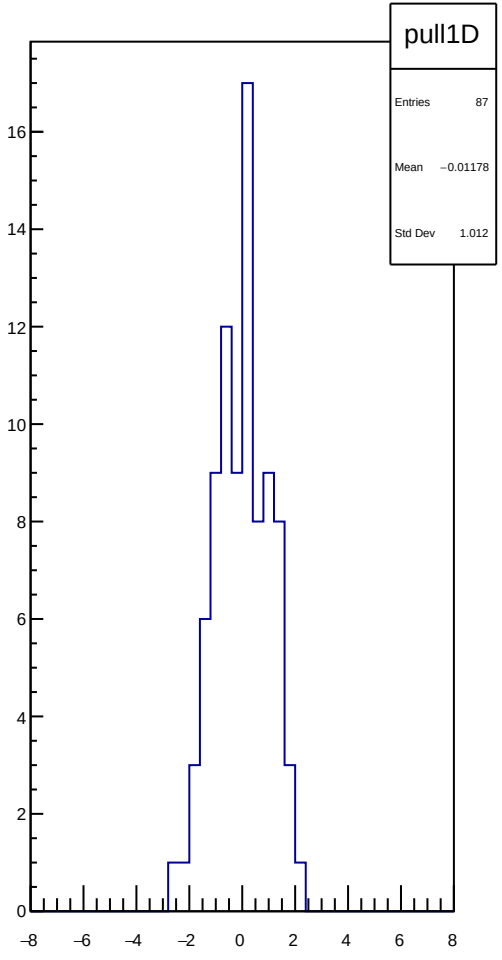

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 89.05 / 86
p0 −38.38 ± 2.225
pull
Entries 87
Mean 490
Std Dev 453.2

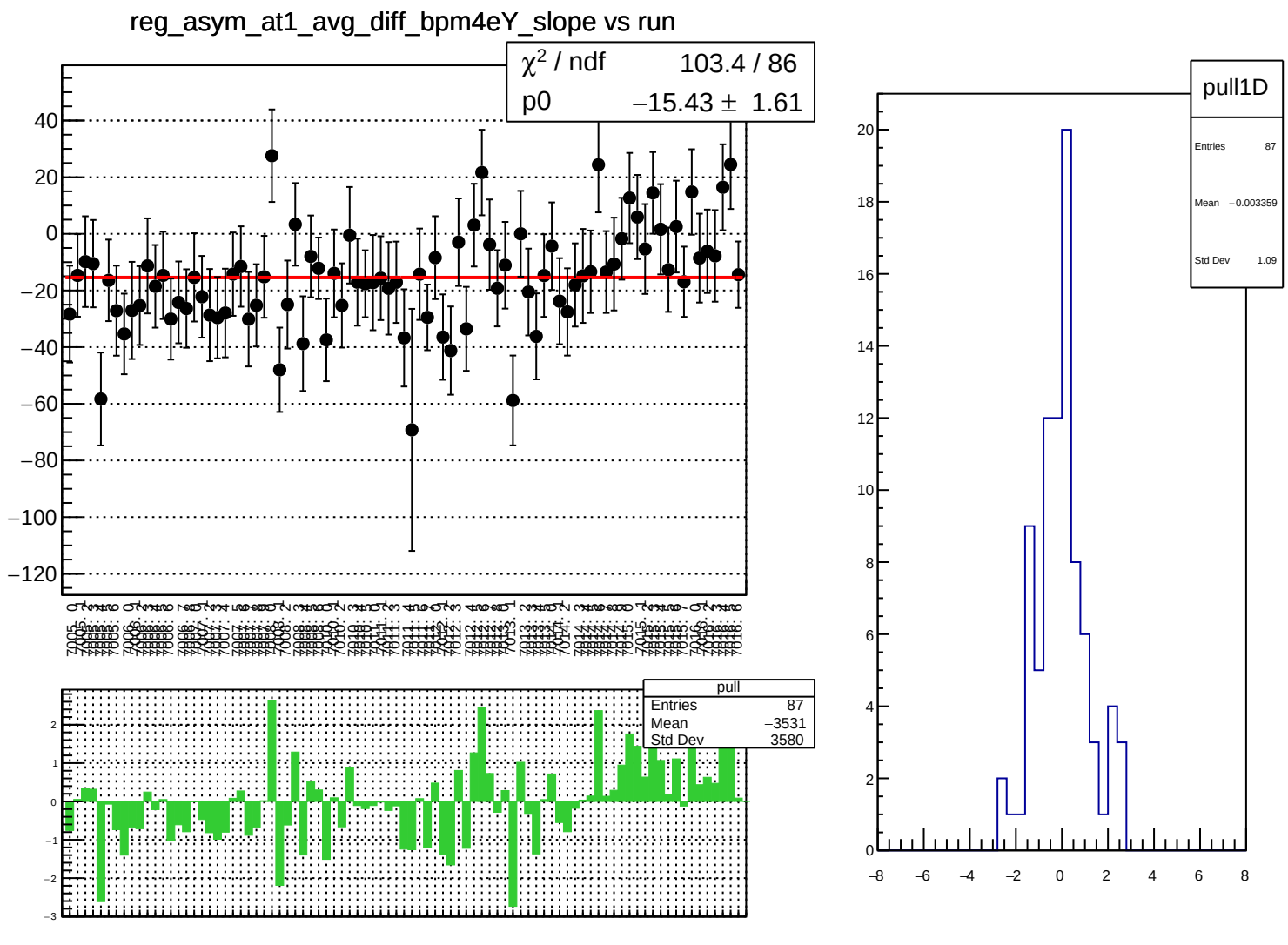

pull1D
Entries 87
Mean 0.01368
Std Dev 1.012

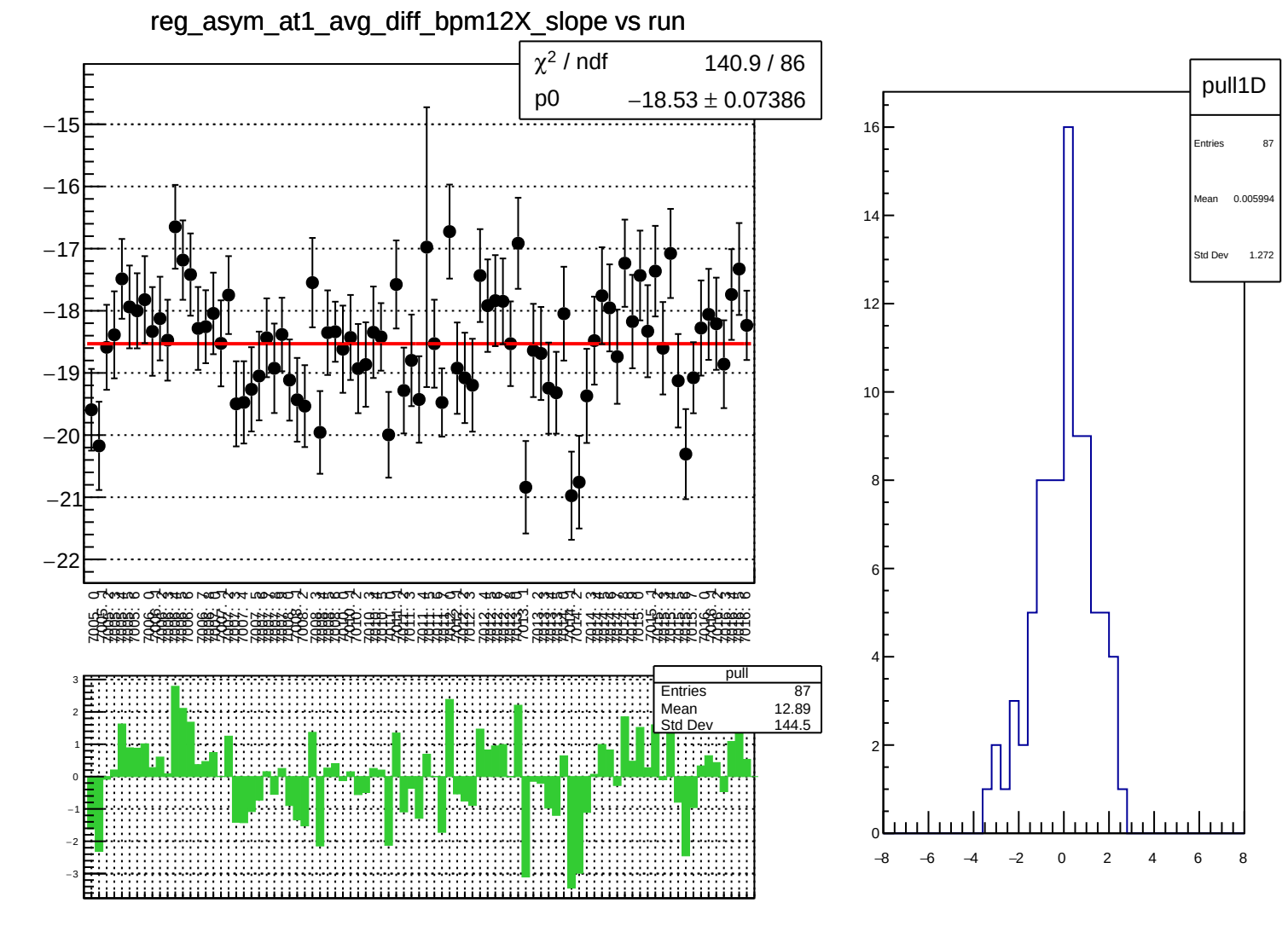

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.14 / 86
p0 6.265 ± 1.533
pull
Entries 87
Mean −1191
Std Dev 1242

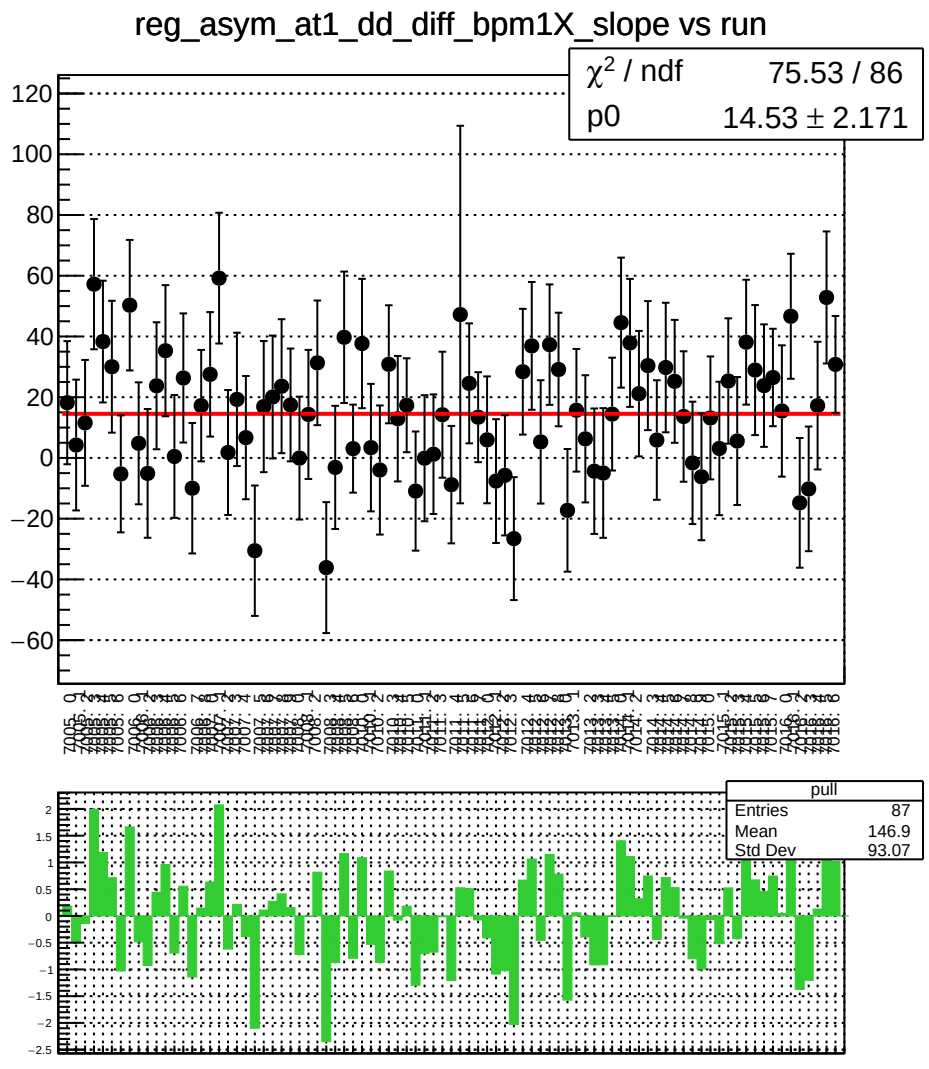

pull1D
Entries 87
Mean 0.00561
Std Dev 1.018

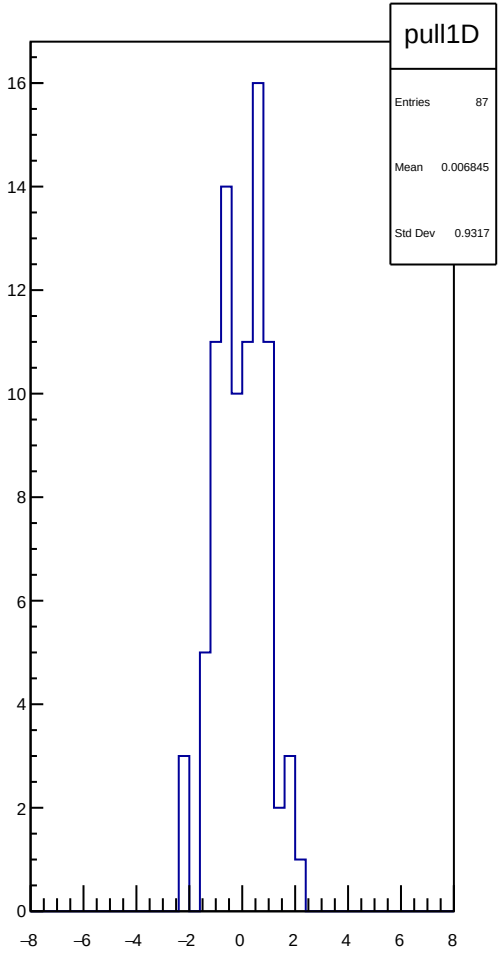

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.03 / 86
p0 26.61 ± 2.065
pull
Entries 87
Mean 587.2
Std Dev 550.1

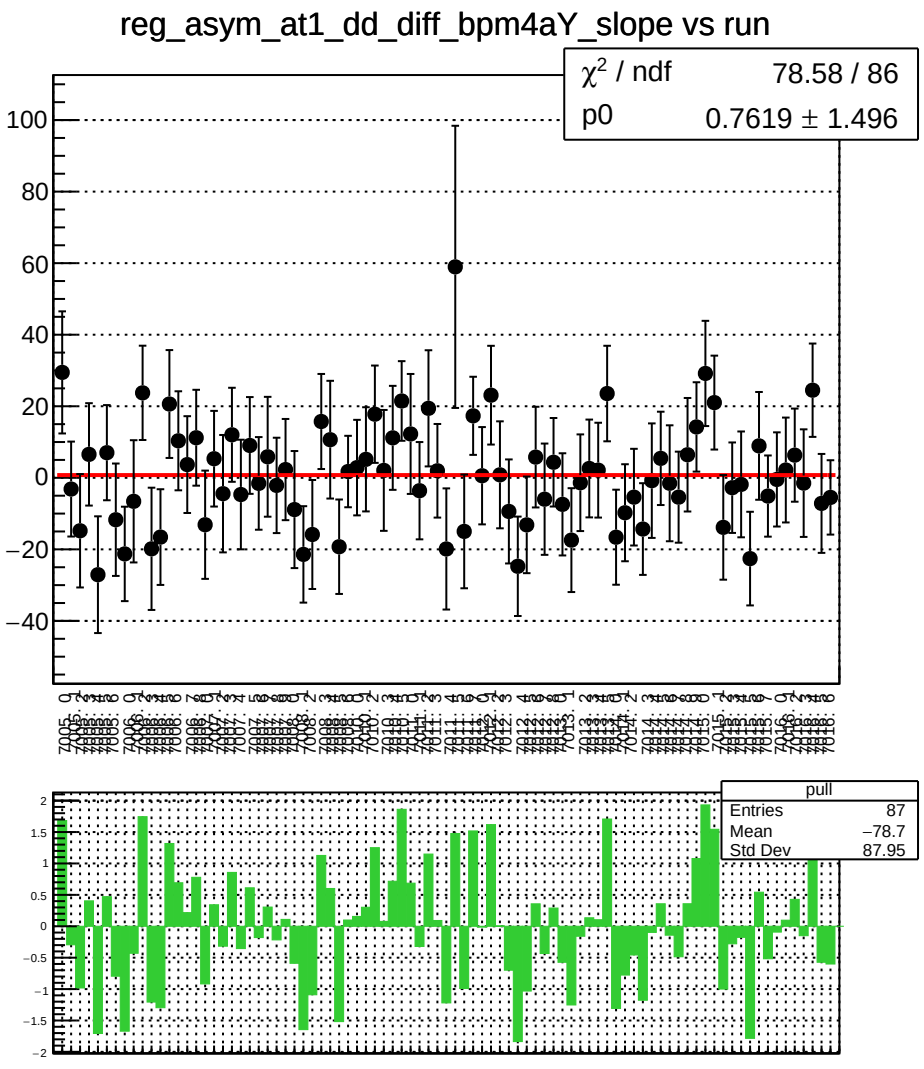

pull1D
Entries 87
Mean −0.01178
Std Dev 1.012

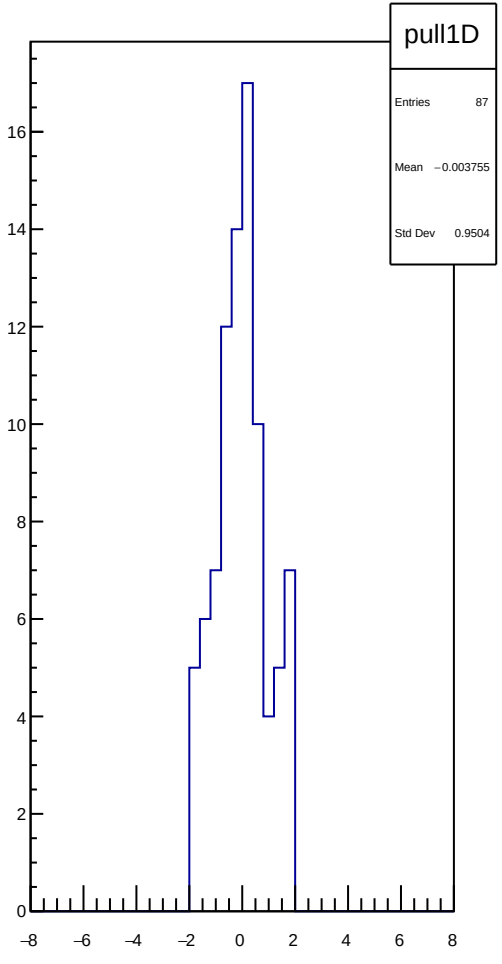

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 103.4 / 86
p0 −15.43 ± 1.61
pull
Entries 87
Mean −3531
Std Dev 3580
pull1D
Entries 87
Mean −0.003359
Std Dev 1.09

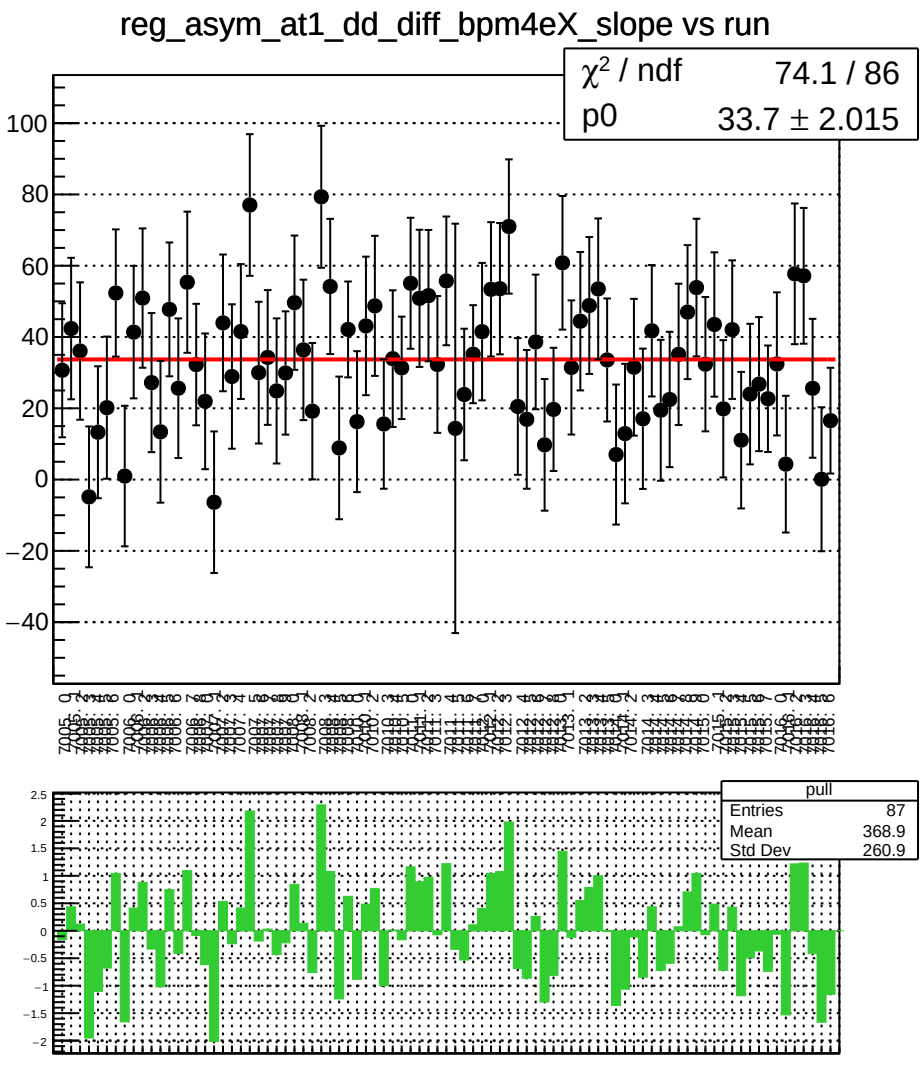

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 140.9 / 86
p0 −18.53 ± 0.07386
pull
Entries 87
Mean 12.89
Std Dev 144.5
pull1D
Entries 87
Mean 0.005994
Std Dev 1.272

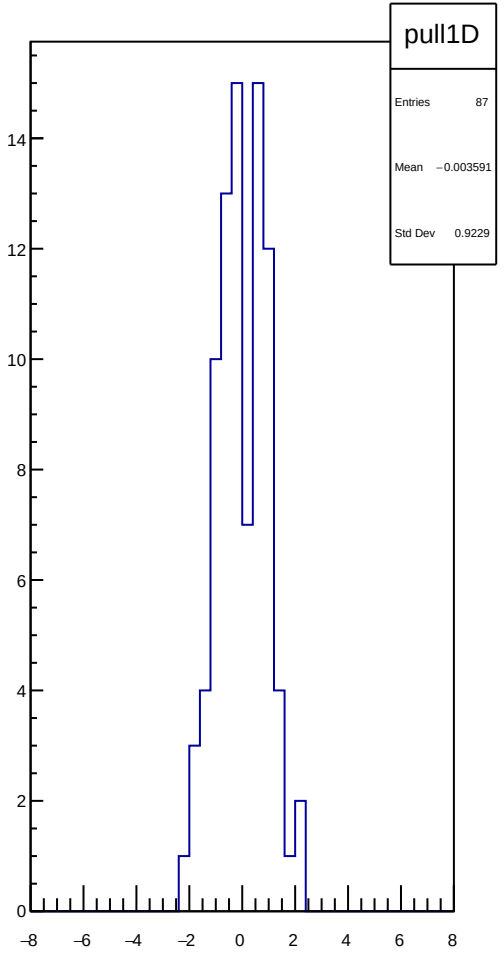

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 75.53 / 86
p0 14.53 ± 2.171
pull
Entries 87
Mean 146.9
Std Dev 93.07

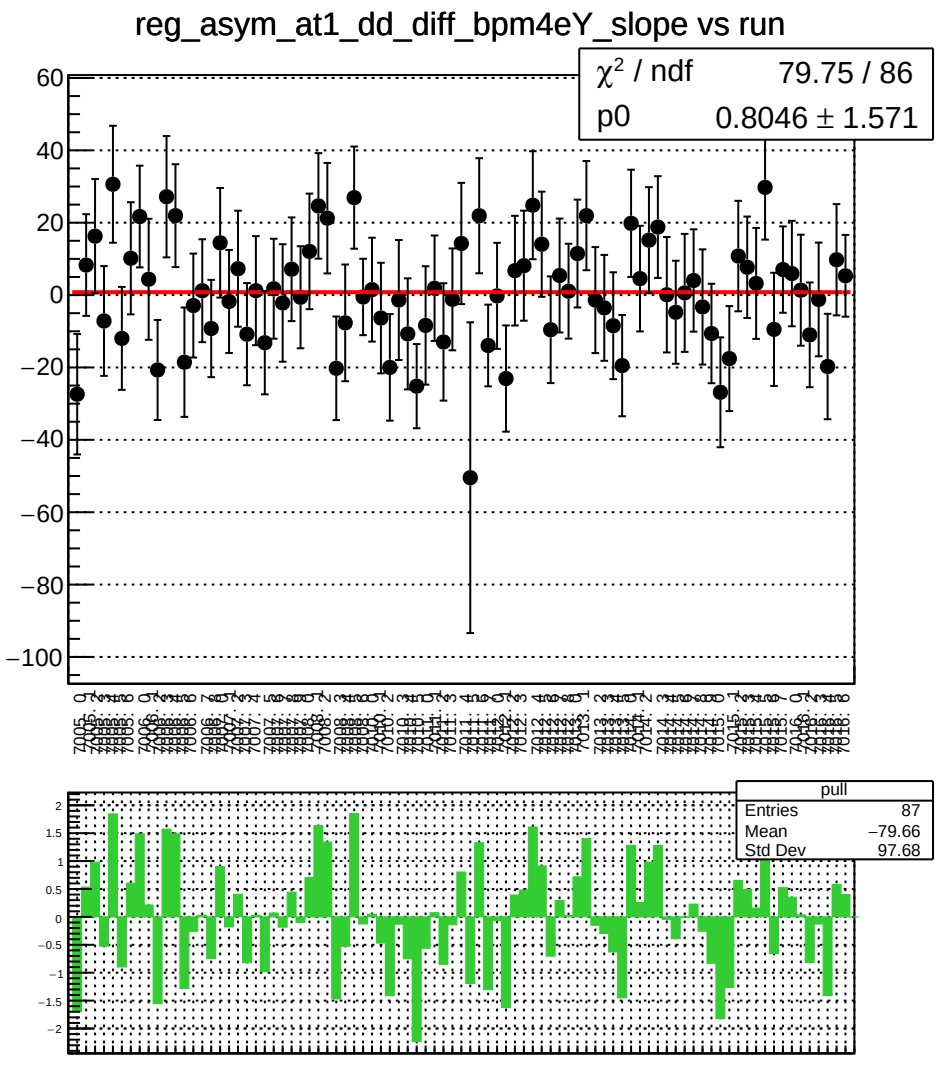

pull1D
Entries 87
Mean 0.006845
Std Dev 0.9317

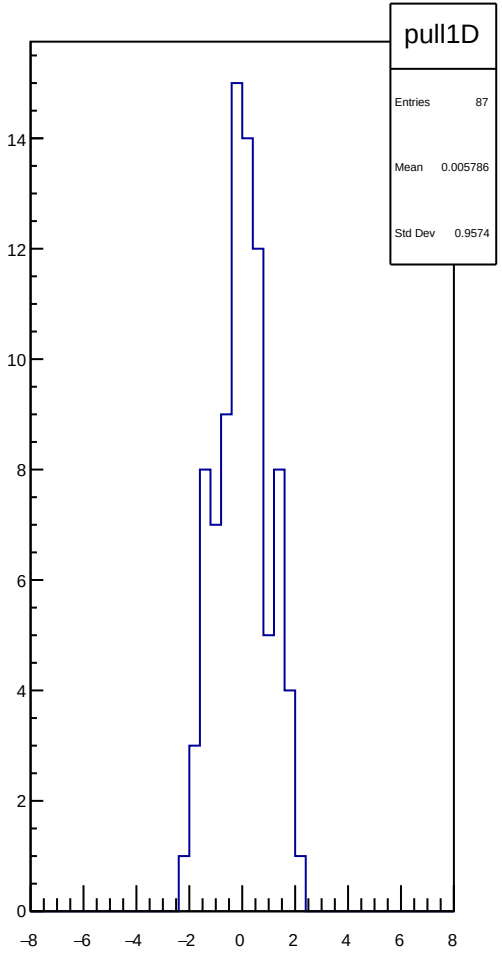

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.58 / 86
p0 0.7619 ± 1.496
pull
Entries 87
Mean −78.7
Std Dev 87.95

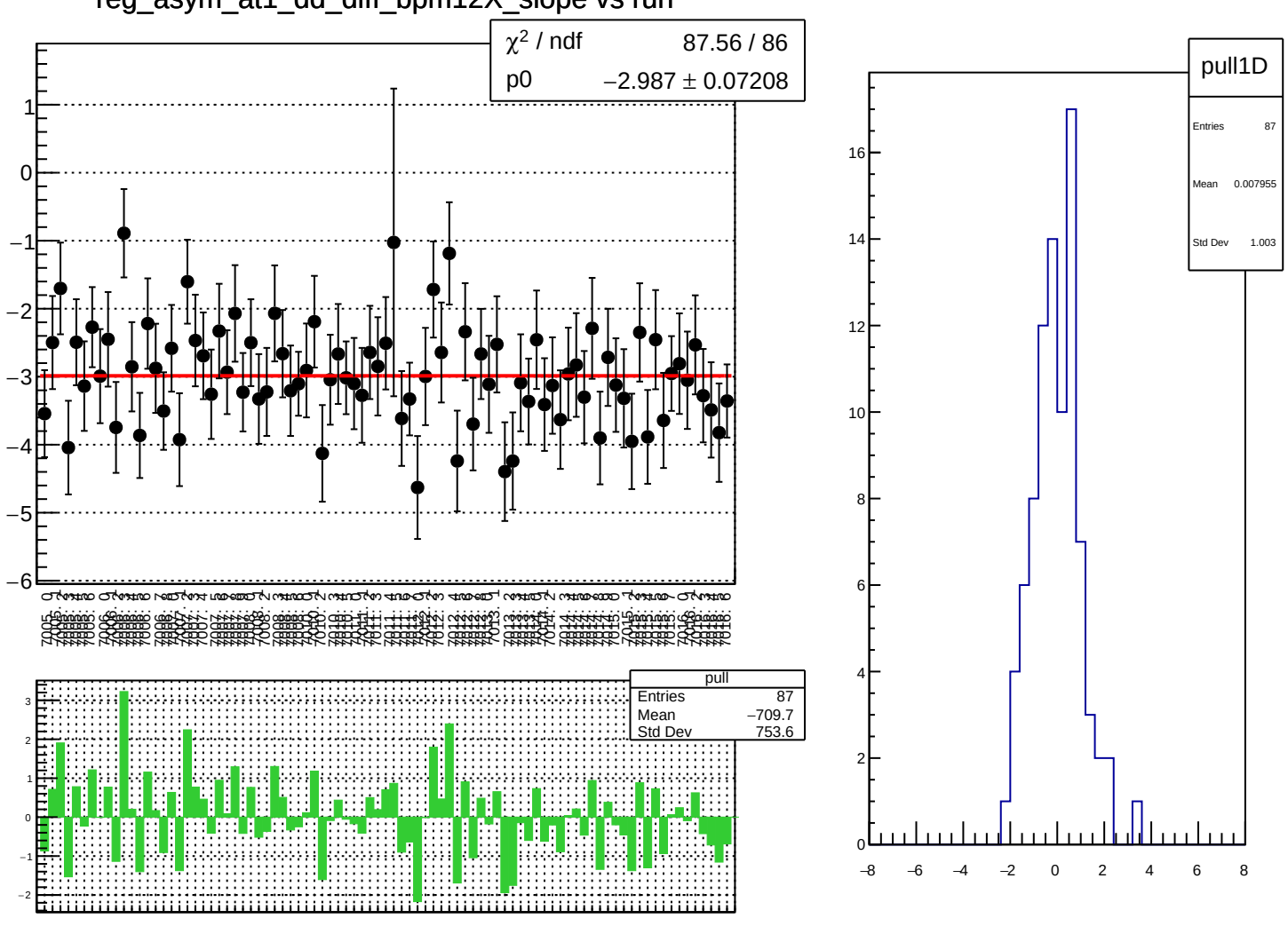

pull1D
Entries 87
Mean −0.003755
Std Dev 0.9504

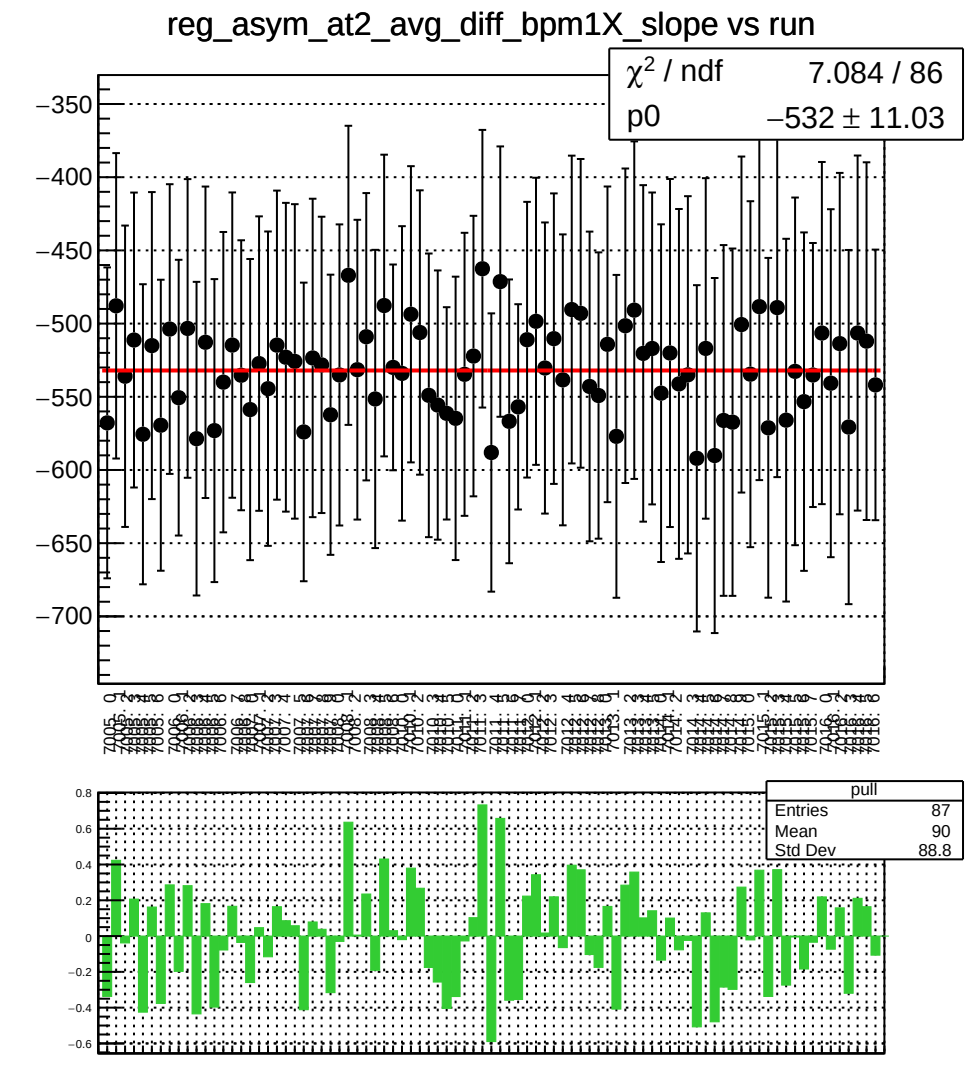

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.1 / 86
p0 33.7 ± 2.015
pull
Entries 87
Mean 368.9
Std Dev 260.9

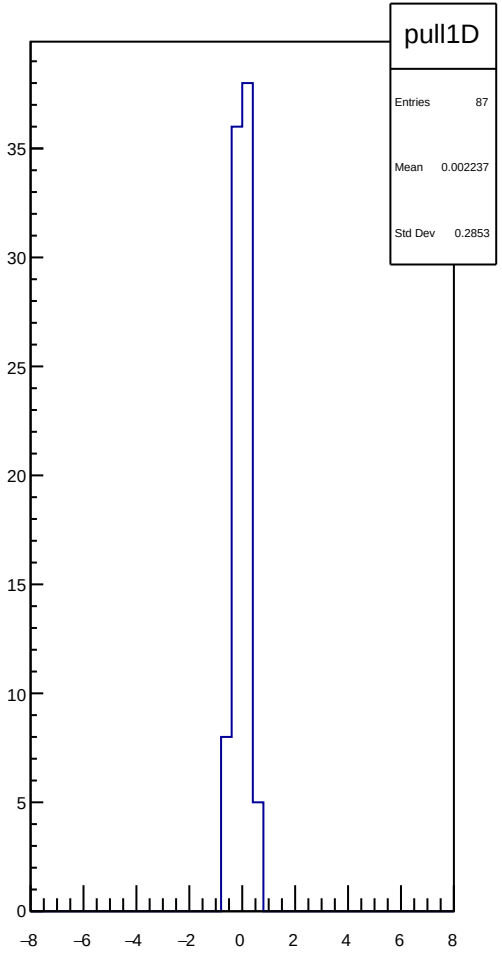

pull1D
Entries 87
Mean −0.003591
Std Dev 0.9229

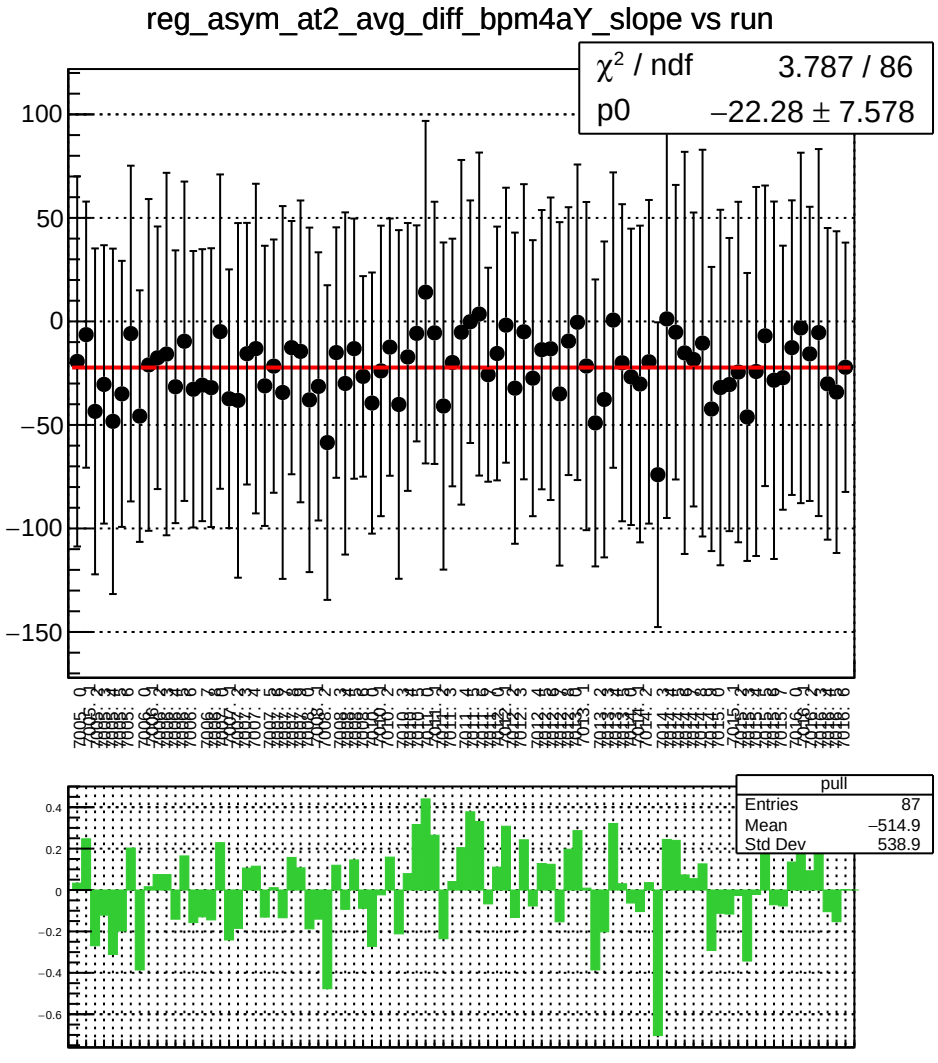

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.75 / 86
p0 0.8046 ± 1.571
pull
Entries 87
Mean −79.66
Std Dev 97.68

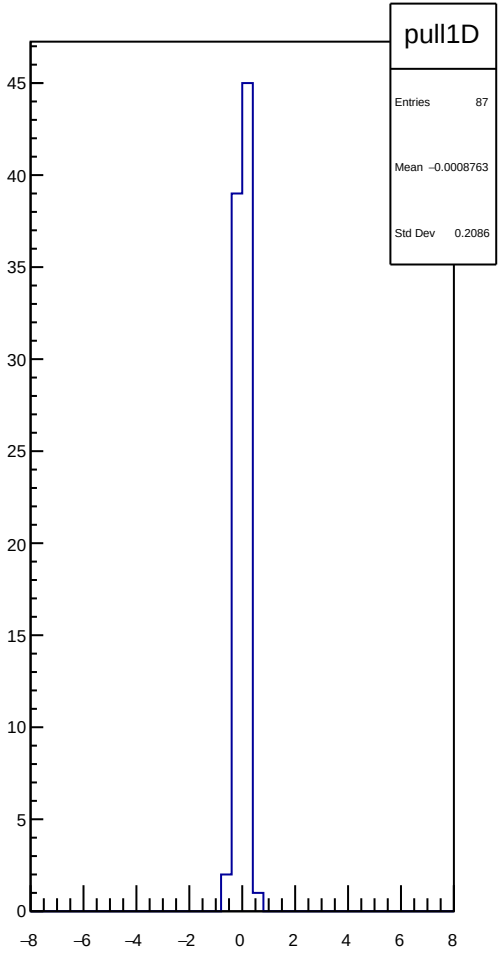

pull1D
Entries 87
Mean 0.005786
Std Dev 0.9574

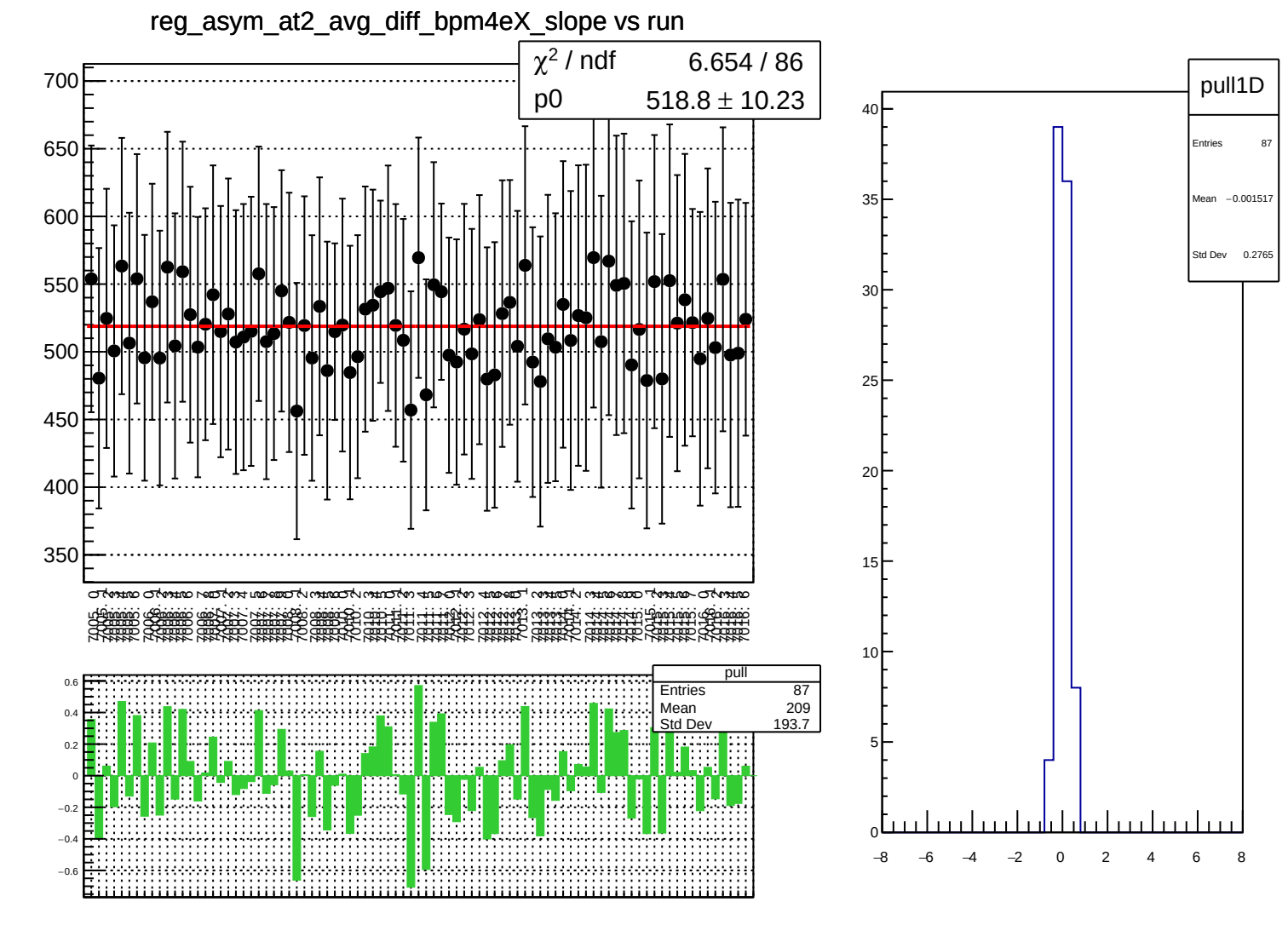

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 87.56 / 86
p0 −2.987 ± 0.07208
pull
Entries 87
Mean −709.7
Std Dev 753.6
pull1D
Entries 87
Mean 0.007955
Std Dev 1.003

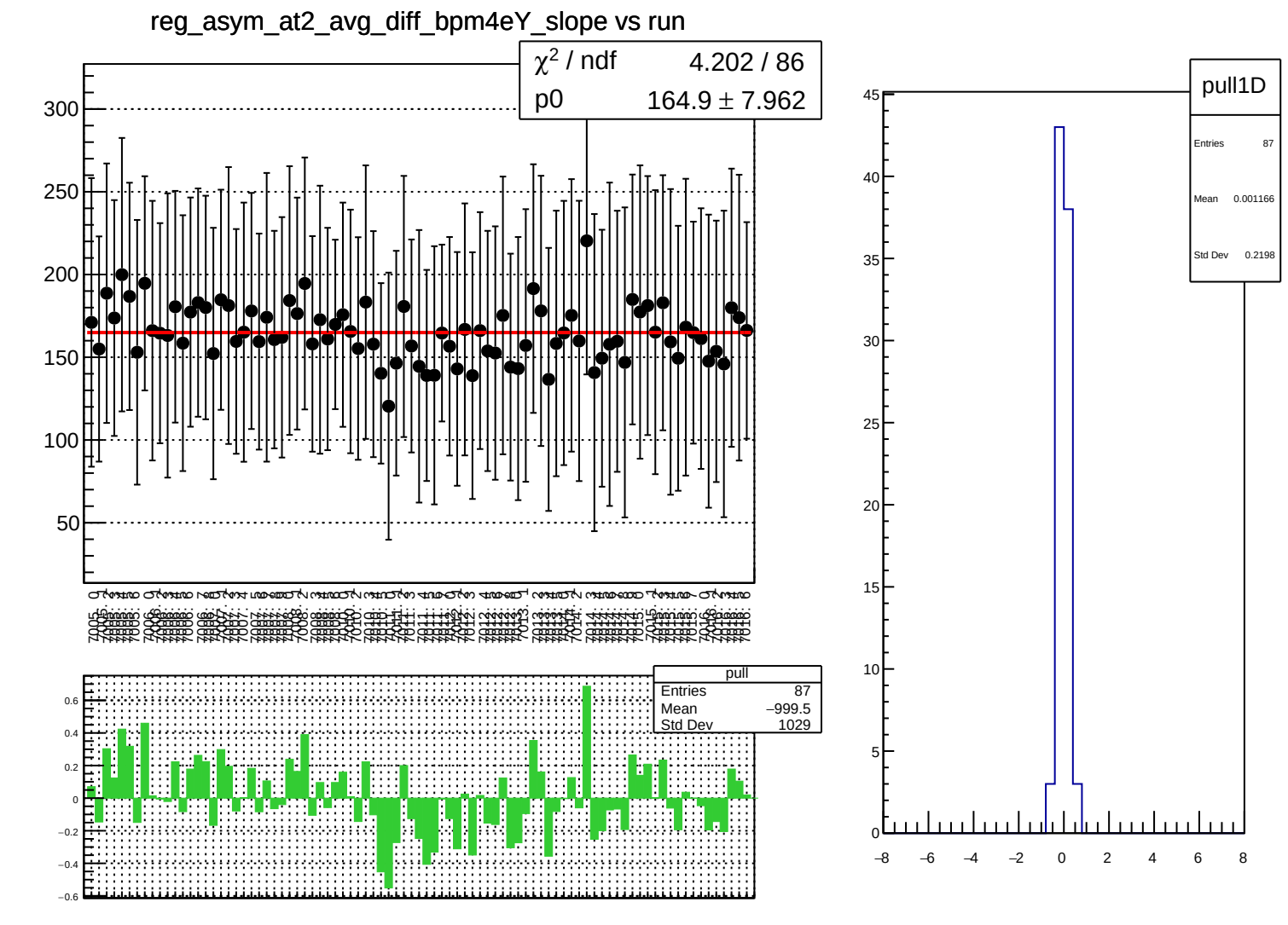

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.084 / 86
p0 −532 ± 11.03
pull
Entries 87
Mean 90
Std Dev 88.8

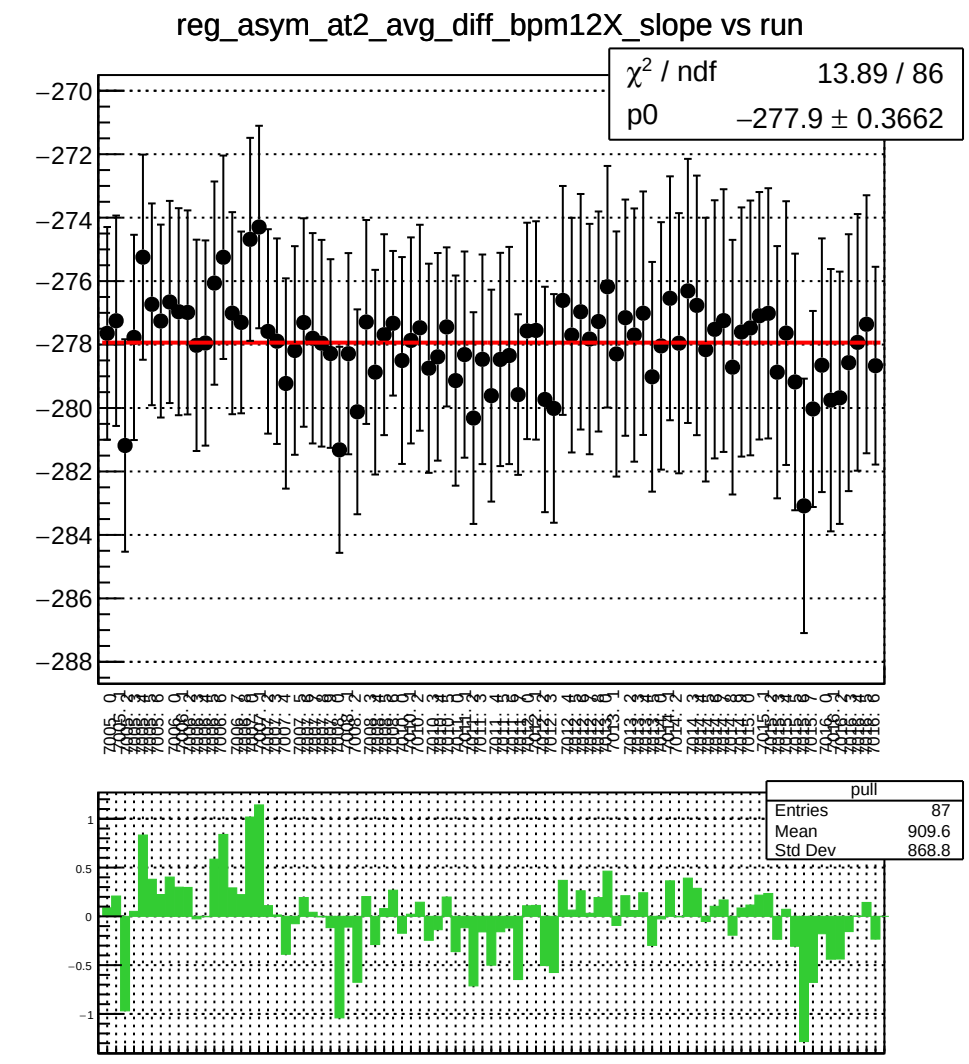

pull1D
Entries 87
Mean 0.002237
Std Dev 0.2853

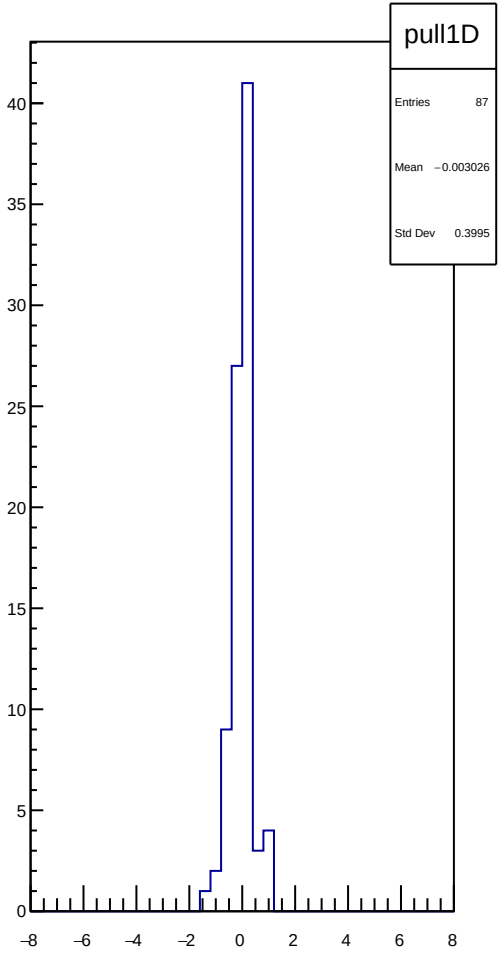

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.787 / 86
p0 −22.28 ± 7.578
100
50
0
−50
−100
−150
pull
Entries 87
Mean −514.9
Std Dev 538.9
0.4
0.2
0
−0.2
−0.4
−0.6

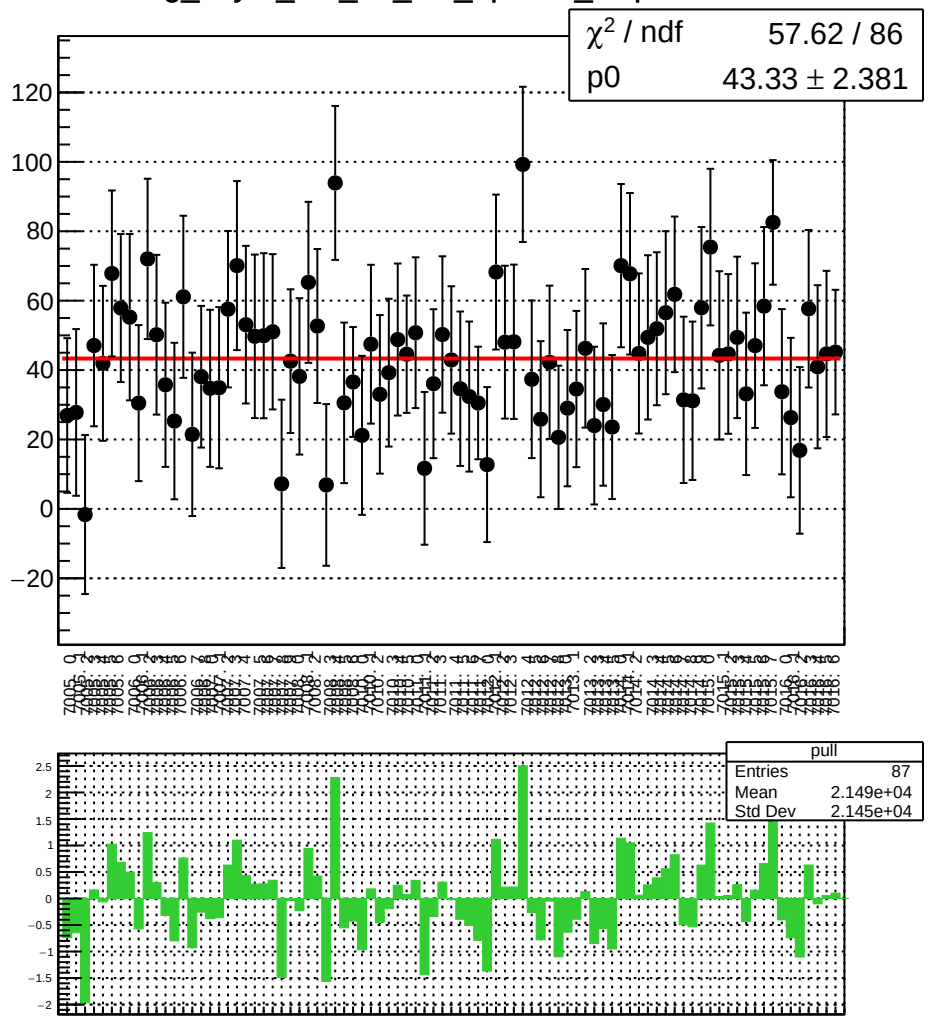

pull1D
Entries 87
Mean −0.0008763
Std Dev 0.2086
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

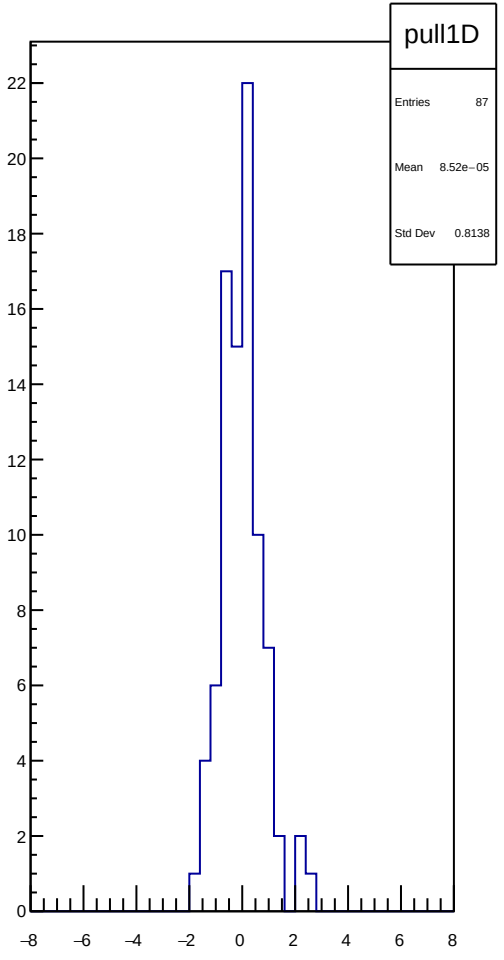

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.654 / 86
p0 518.8 ± 10.23
700
650
600
550
500
450
400
350
pull
Entries 87
Mean 209
Std Dev 193.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean −0.001517
Std Dev 0.2765
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

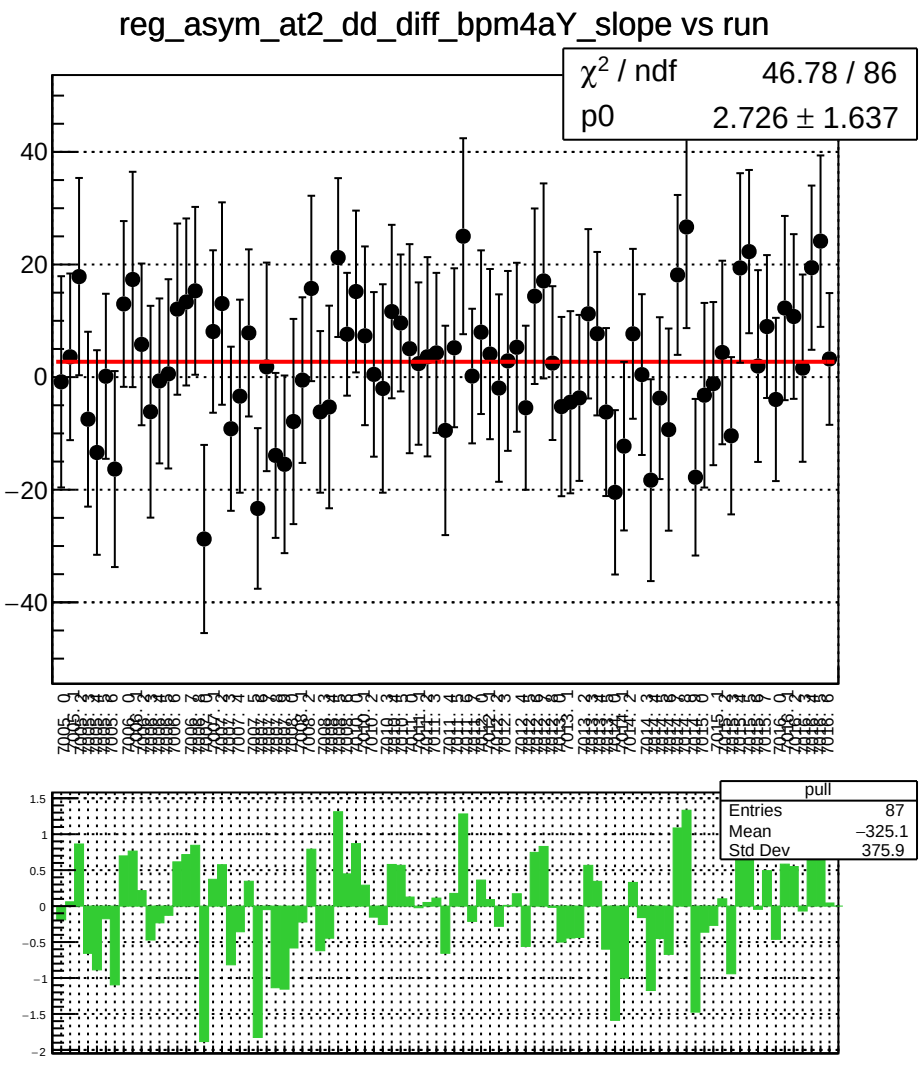

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.202 / 86
p0 164.9 ± 7.962
300
250
200
150
100
50
pull
Entries 87
Mean −999.5
Std Dev 1029
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.001166
Std Dev 0.2198
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

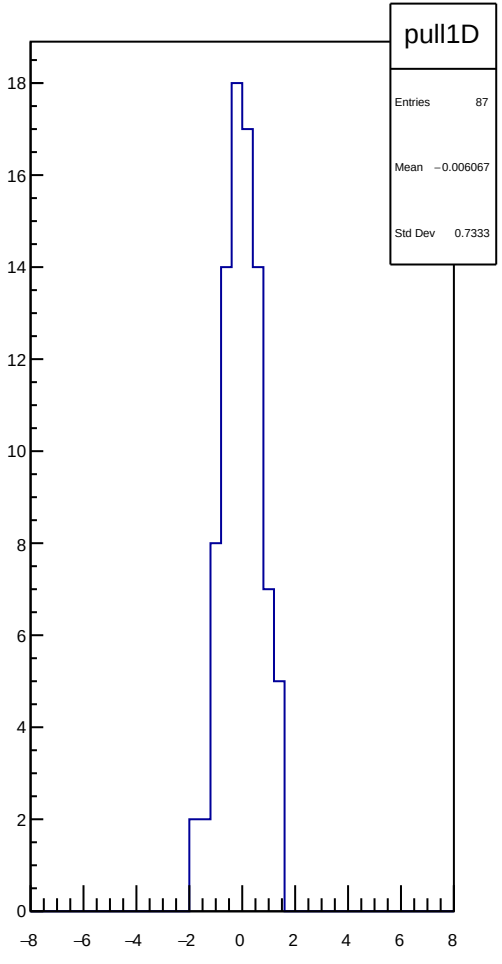

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.89 / 86
p0 −277.9 ± 0.3662
pull
Entries 87
Mean 909.6
Std Dev 868.8

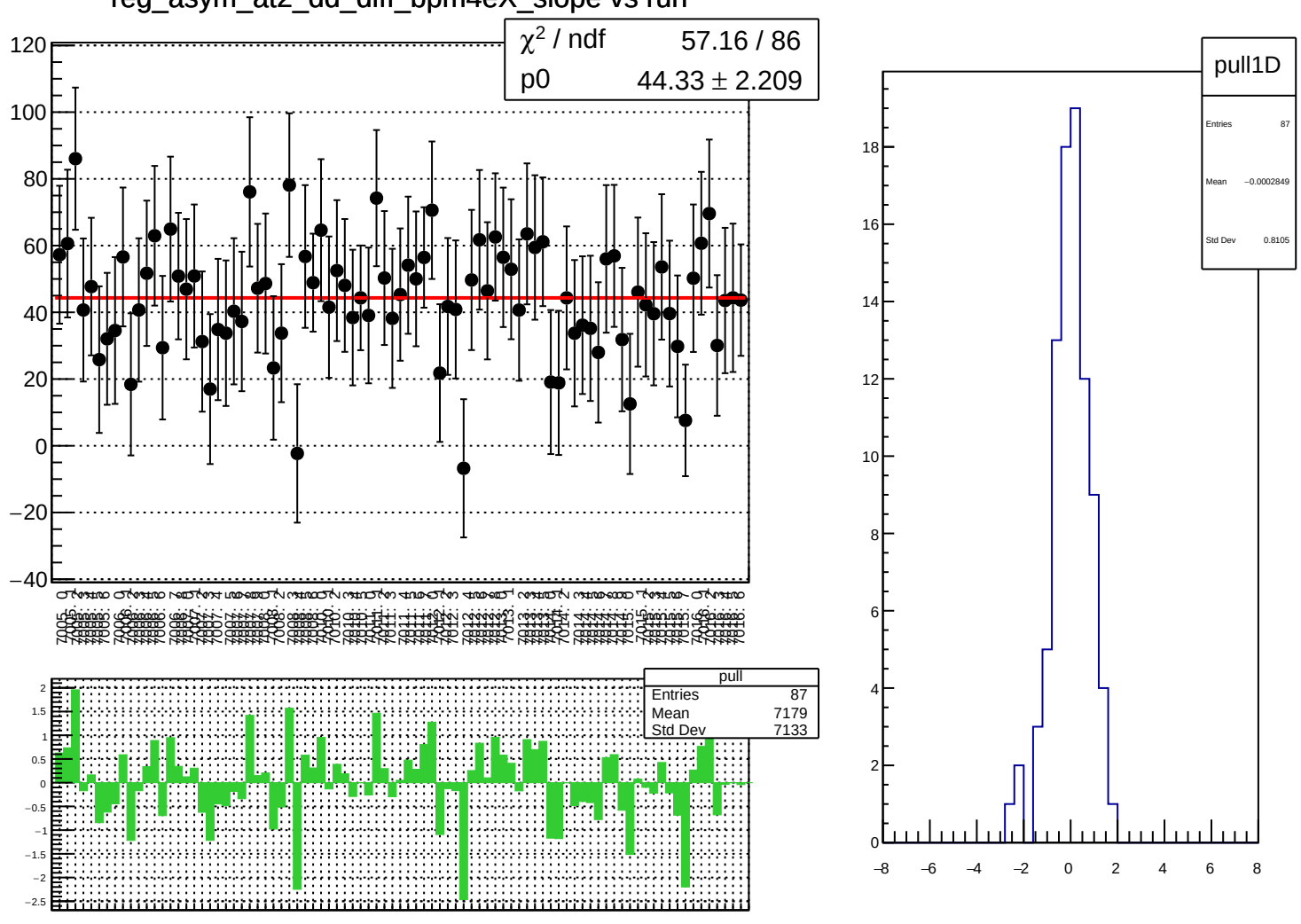

pull1D
Entries 87
Mean −0.003026
Std Dev 0.3995

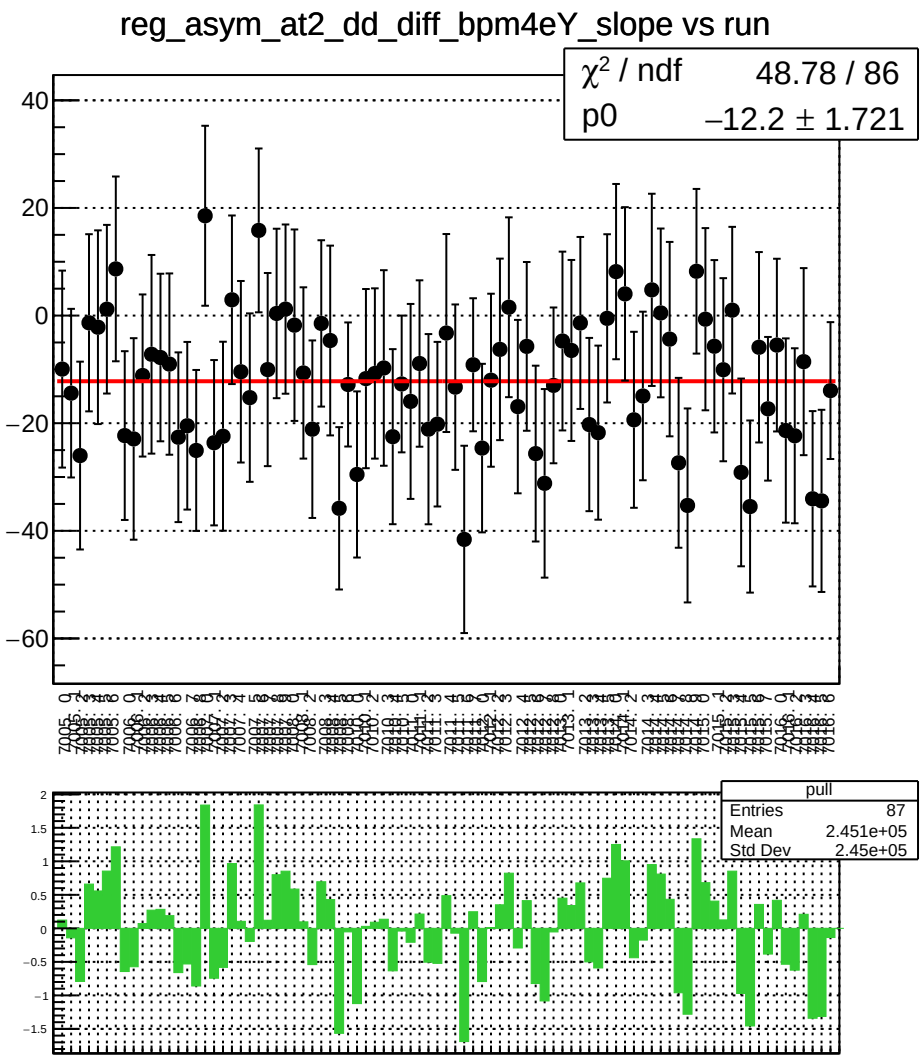

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 57.62 / 86
p0 43.33 ± 2.381
pull
Entries 87
Mean 2.149e+04
Std Dev 2.145e+04

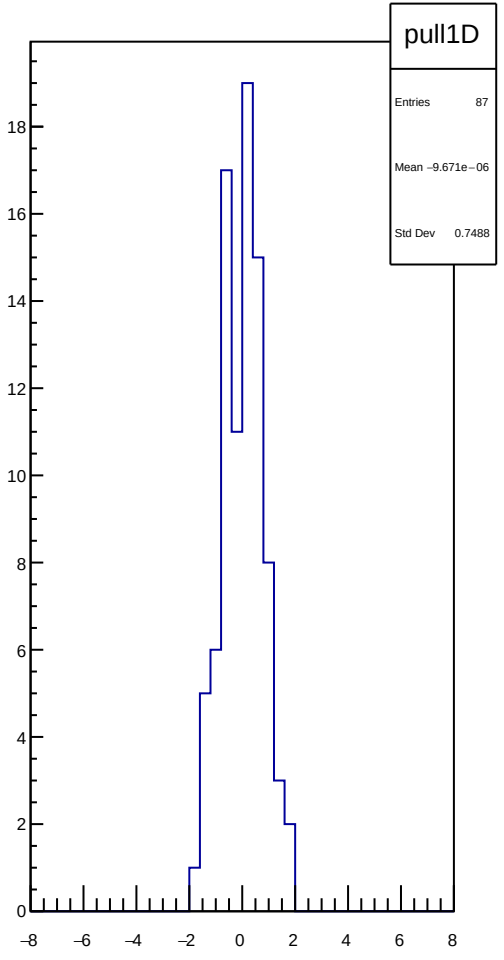

pull1D
Entries 87
Mean 8.52e−05
Std Dev 0.8138

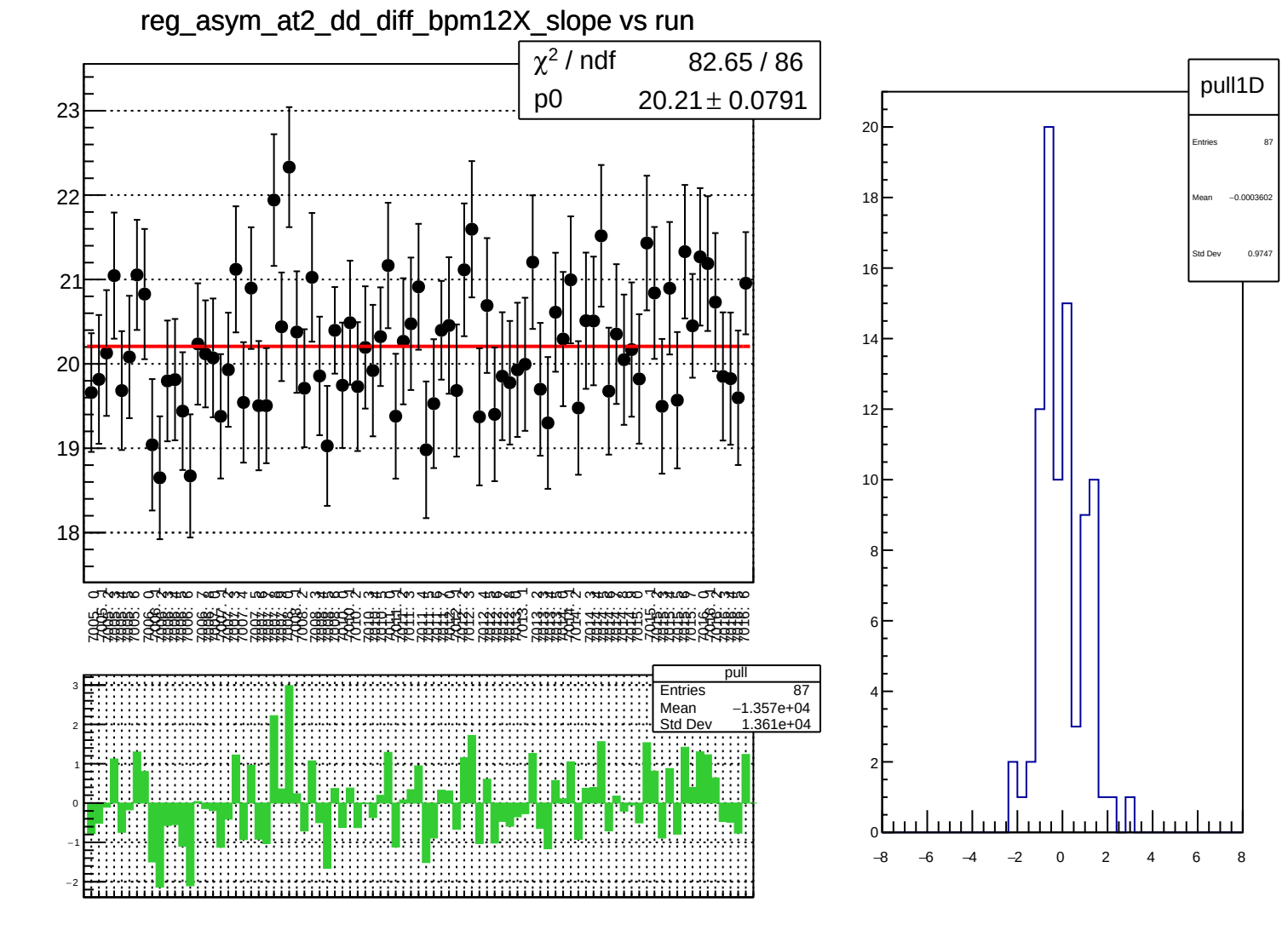

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.78 / 86
p0 2.726 ± 1.637
pull
Entries 87
Mean −325.1
Std Dev 375.9

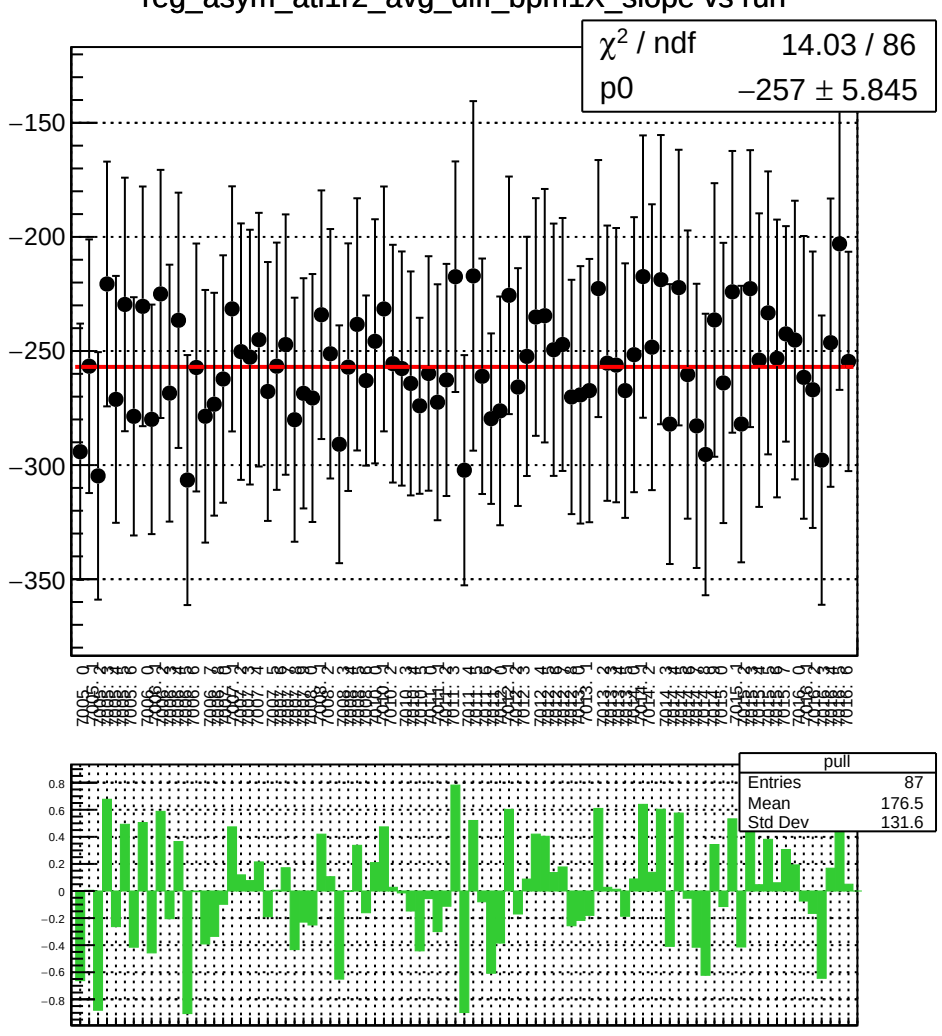

pull1D
Entries 87
Mean −0.006067
Std Dev 0.7333

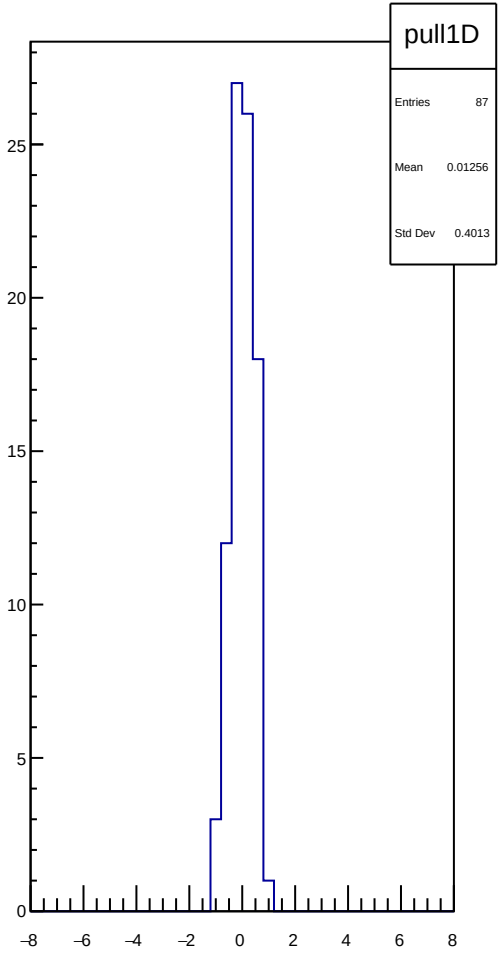

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 57.16 / 86
p0 44.33 ± 2.209
pull
Entries 87
Mean 7179
Std Dev 7133
pull1D
Entries 87
Mean −0.0002849
Std Dev 0.8105

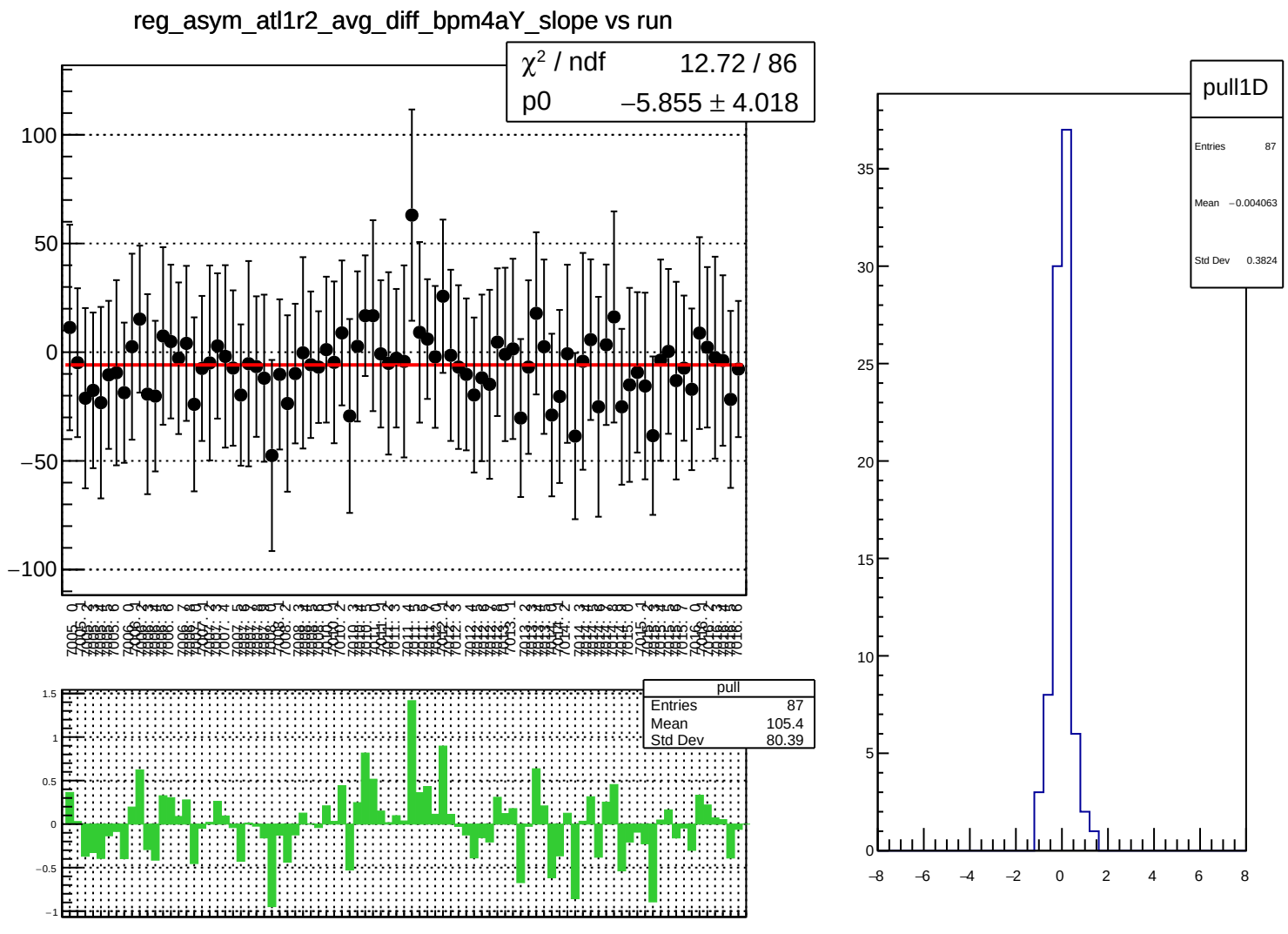

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.78 / 86
p0 −12.2 ± 1.721
pull
Entries 87
Mean 2.451e+05
Std Dev 2.45e+05

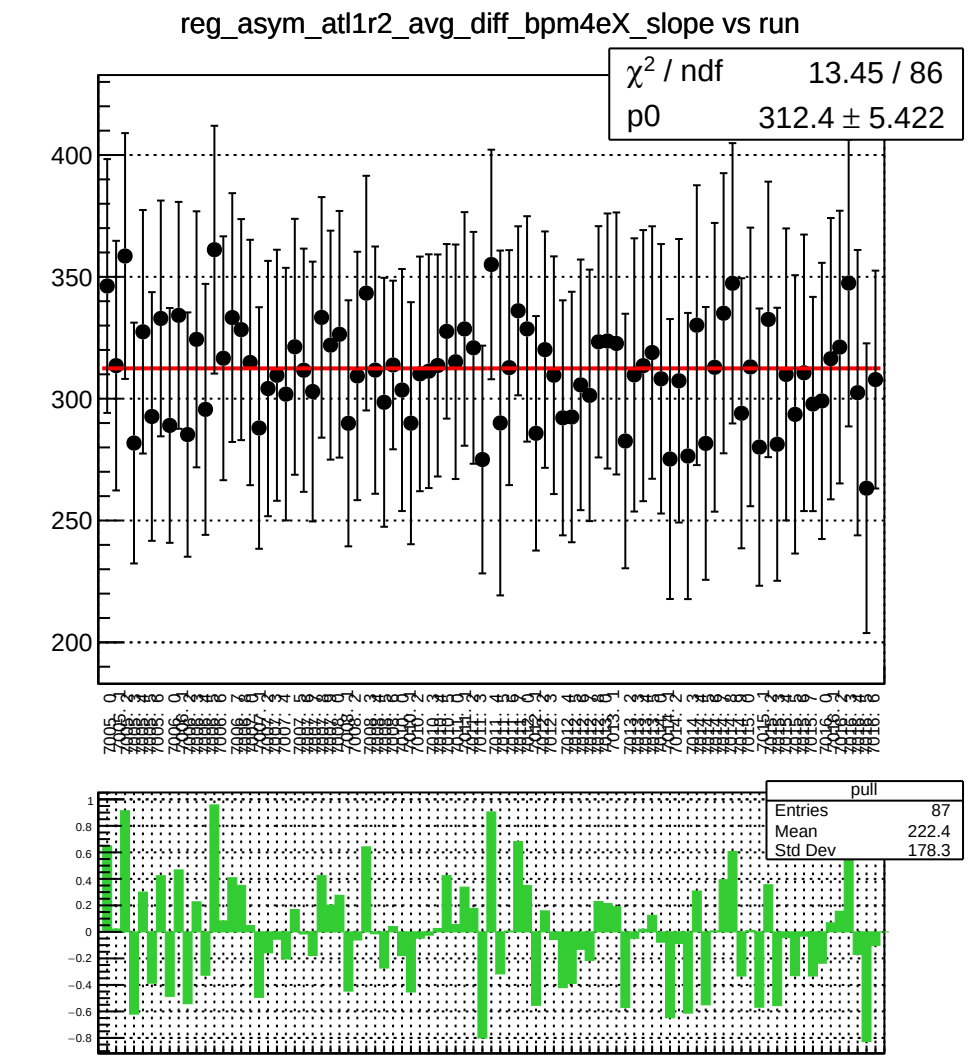

pull1D
Entries 87
Mean −9.671e−06
Std Dev 0.7488

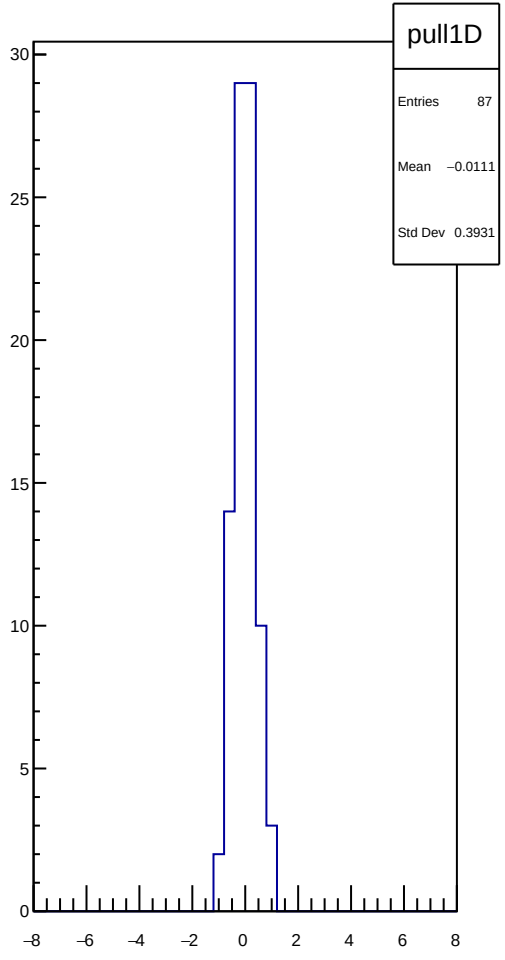

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 82.65 / 86
p0 20.21 ± 0.0791
pull
Entries 87
Mean −1.357e+04
Std Dev 1.361e+04
pull1D
Entries 87
Mean −0.0003602
Std Dev 0.9747

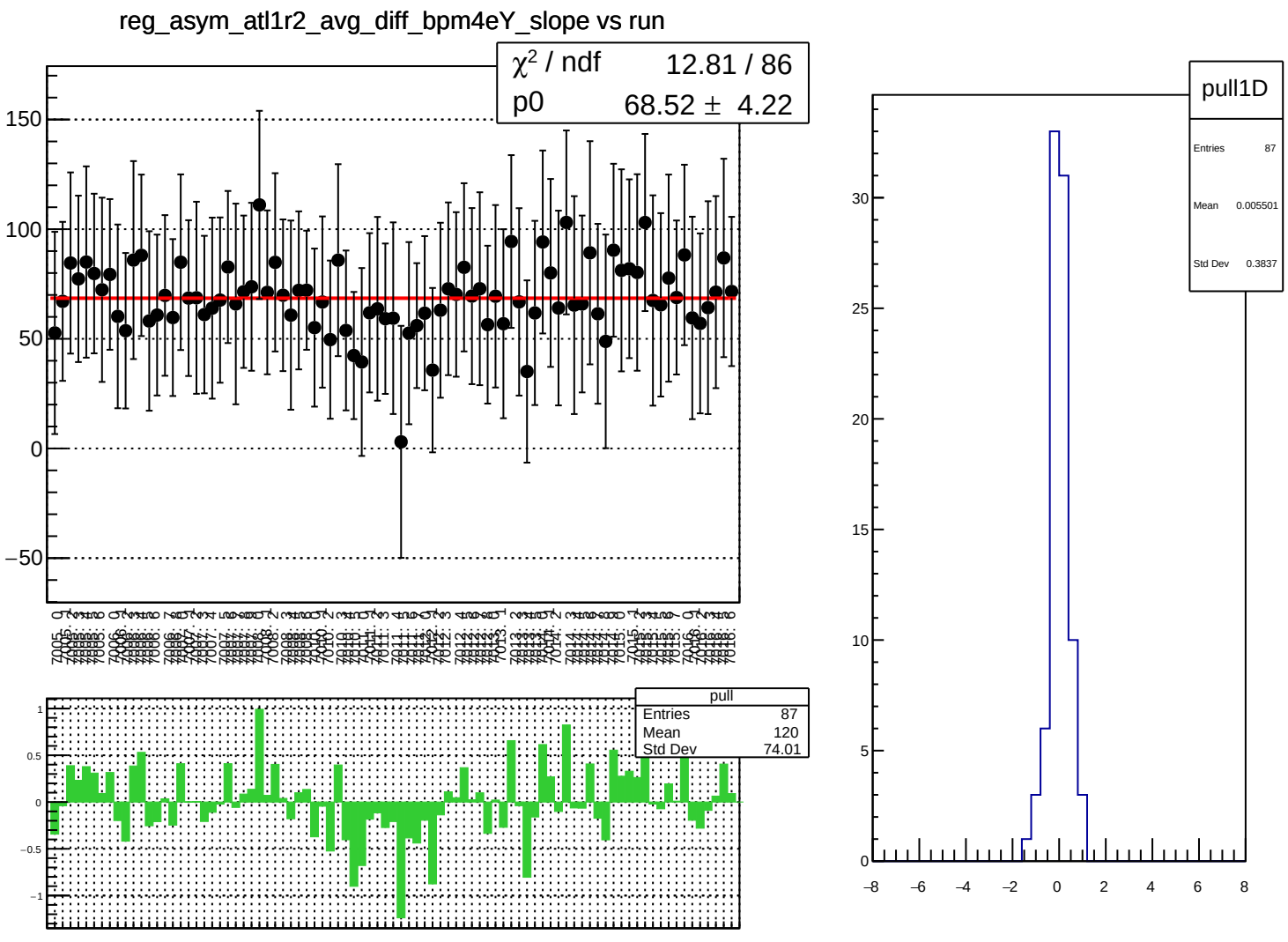

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.03 / 86
p0 −257 ± 5.845
−150
−200
−250
−300
−350
pull
Entries 87
Mean 176.5
Std Dev 131.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

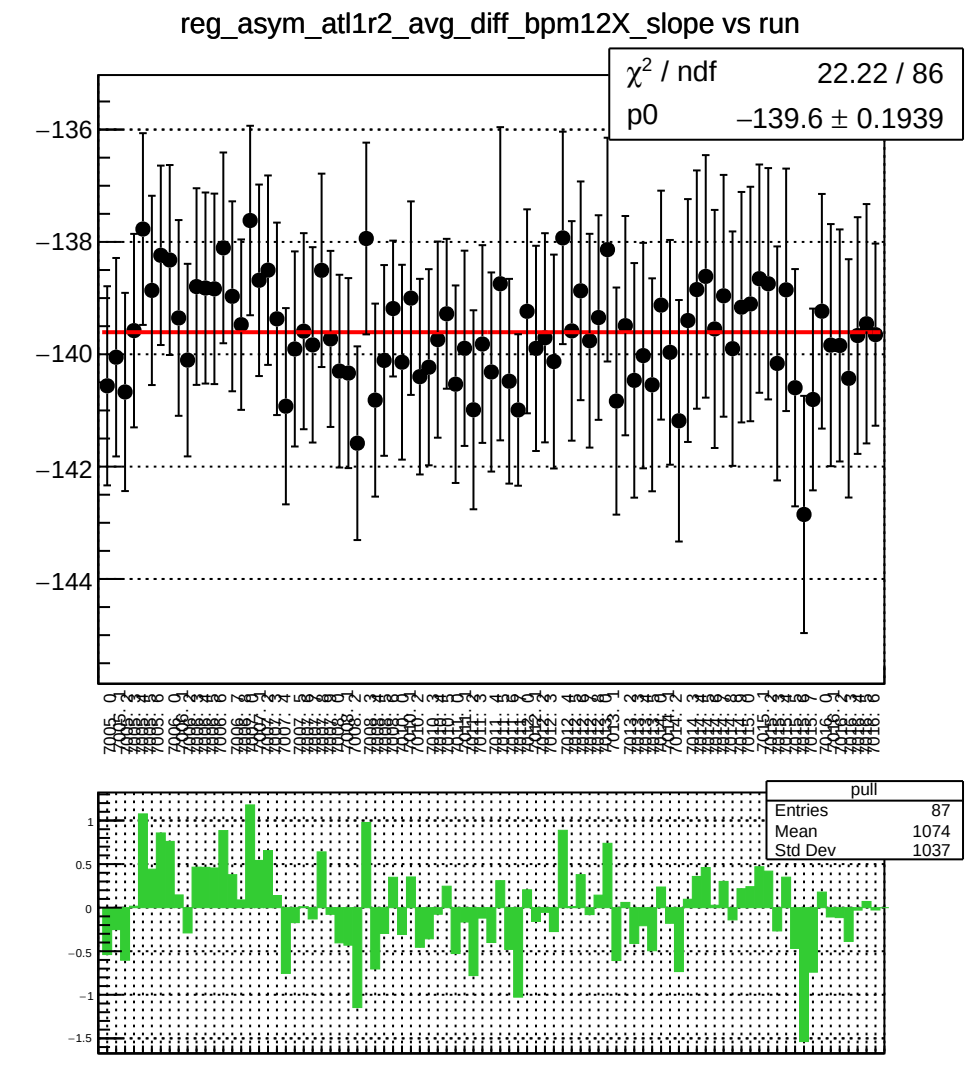

pull1D
Entries 87
Mean 0.01256
Std Dev 0.4013
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

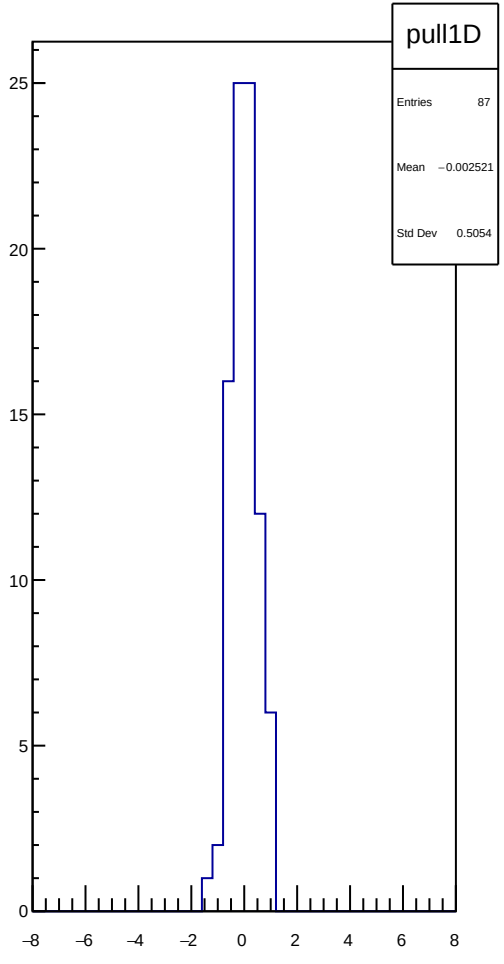

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.72 / 86
p0 −5.855 ± 4.018
100
50
0
−50
−100
pull
Entries 87
Mean 105.4
Std Dev 80.39
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.004063
Std Dev 0.3824
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

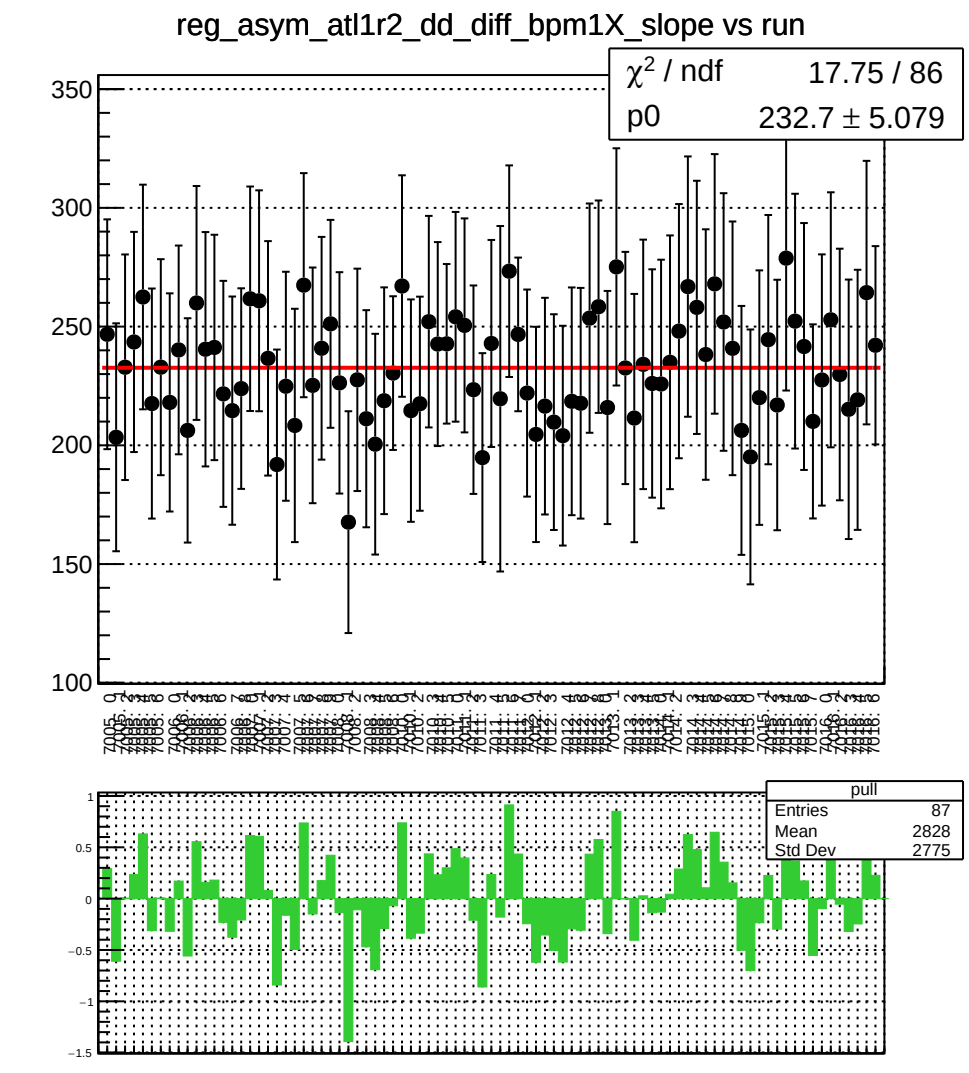

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.45 / 86
p0 312.4 ± 5.422
400
350
300
250
200
pull
Entries 87
Mean 222.4
Std Dev 178.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

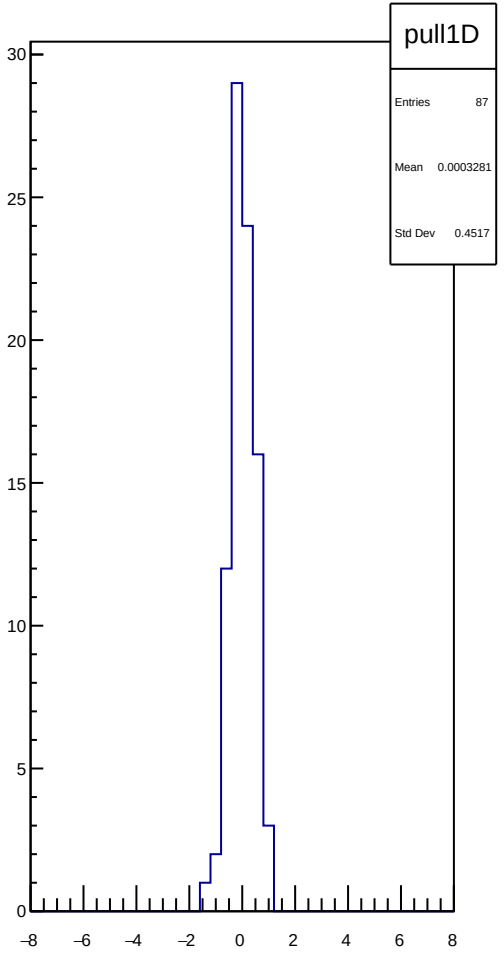

pull1D
Entries 87
Mean −0.0111
Std Dev 0.3931
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

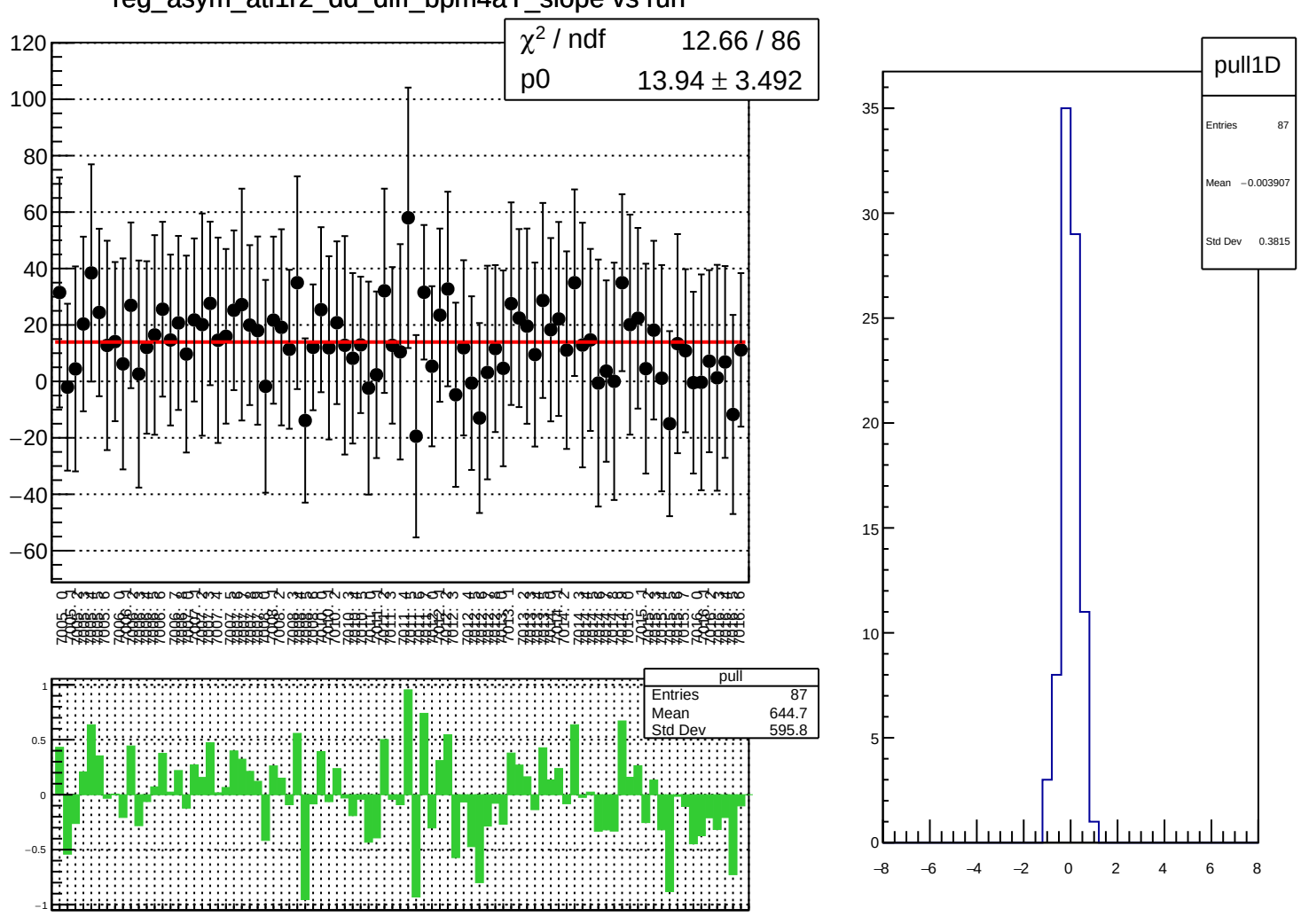

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.81 / 86
p0 68.52 ± 4.22
150
100
50
0
−50
pull
Entries 87
Mean 120
Std Dev 74.01
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.005501
Std Dev 0.3837
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

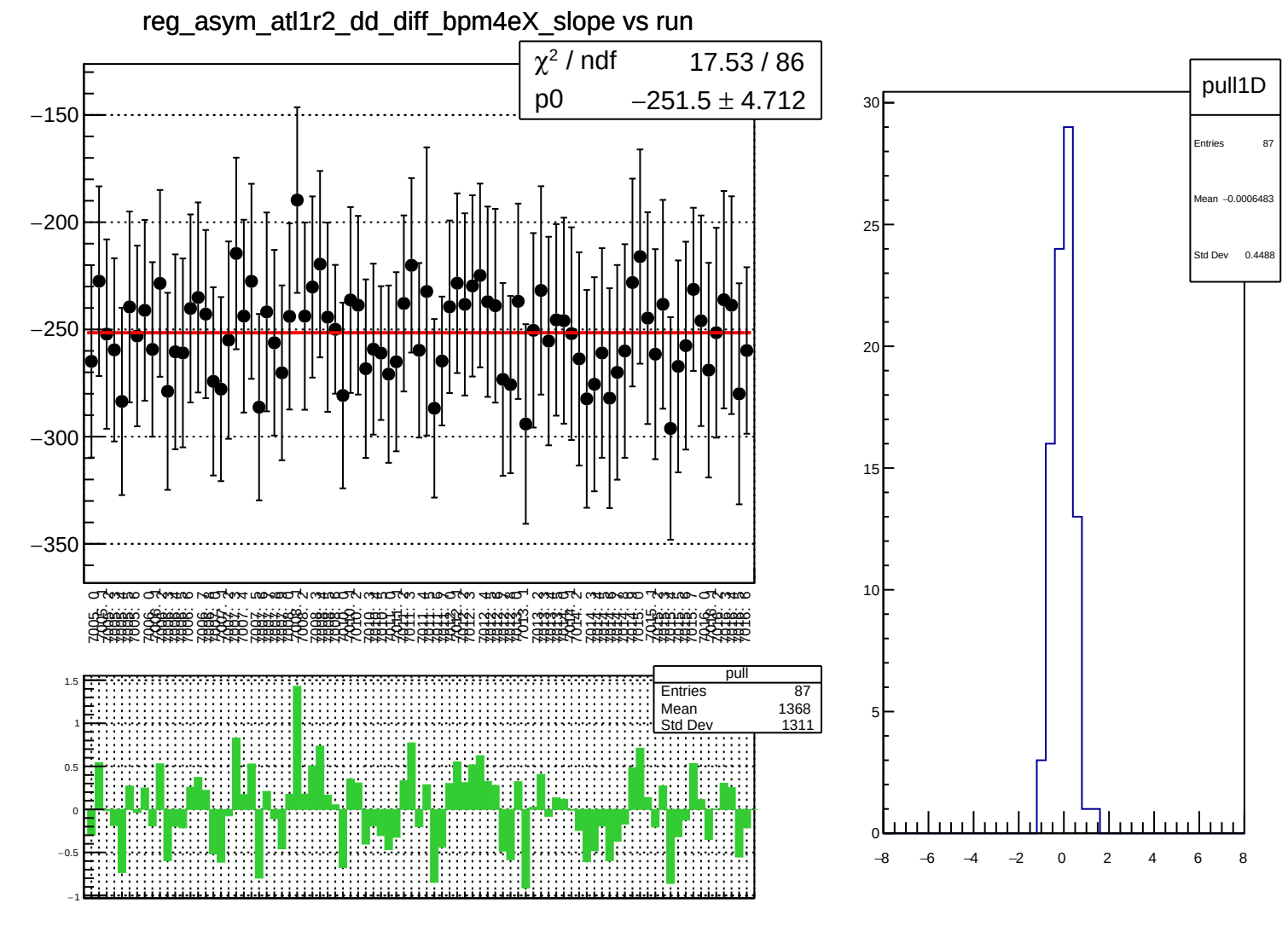

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.22 / 86
p0 −139.6 ± 0.1939
−136
−138
−140
−142
−144
pull
Entries 87
Mean 1074
Std Dev 1037
1
0.5
0
−0.5
−1
−1.5

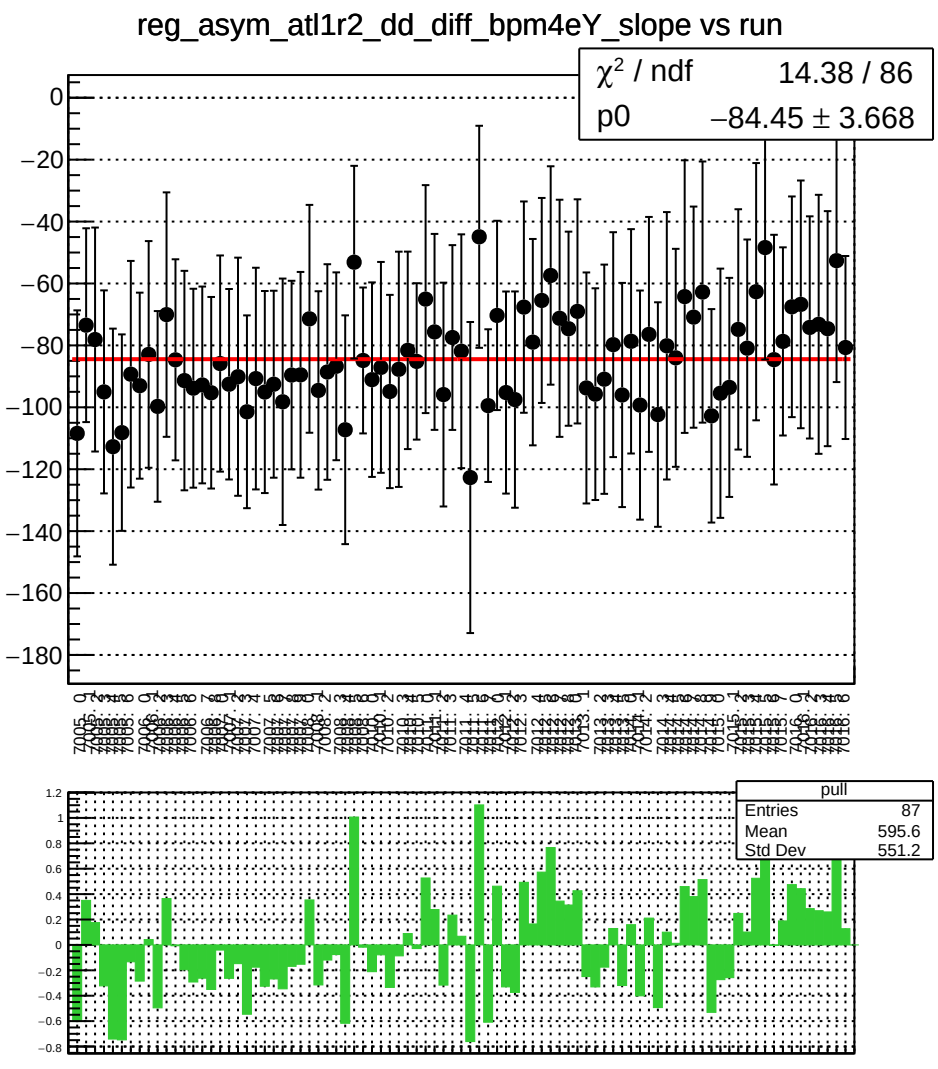

pull1D
Entries 87
Mean −0.002521
Std Dev 0.5054
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

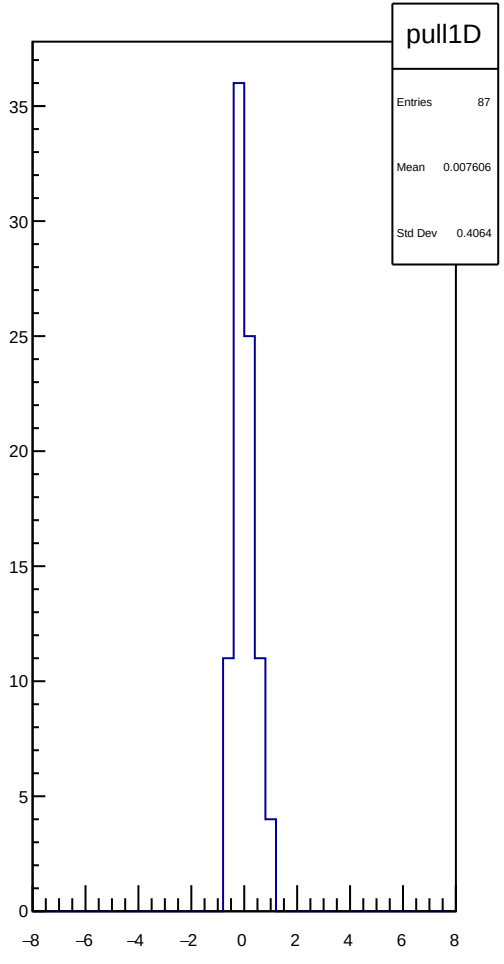

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 17.75 / 86
p0 232.7 ± 5.079
pull
Entries 87
Mean 2828
Std Dev 2775

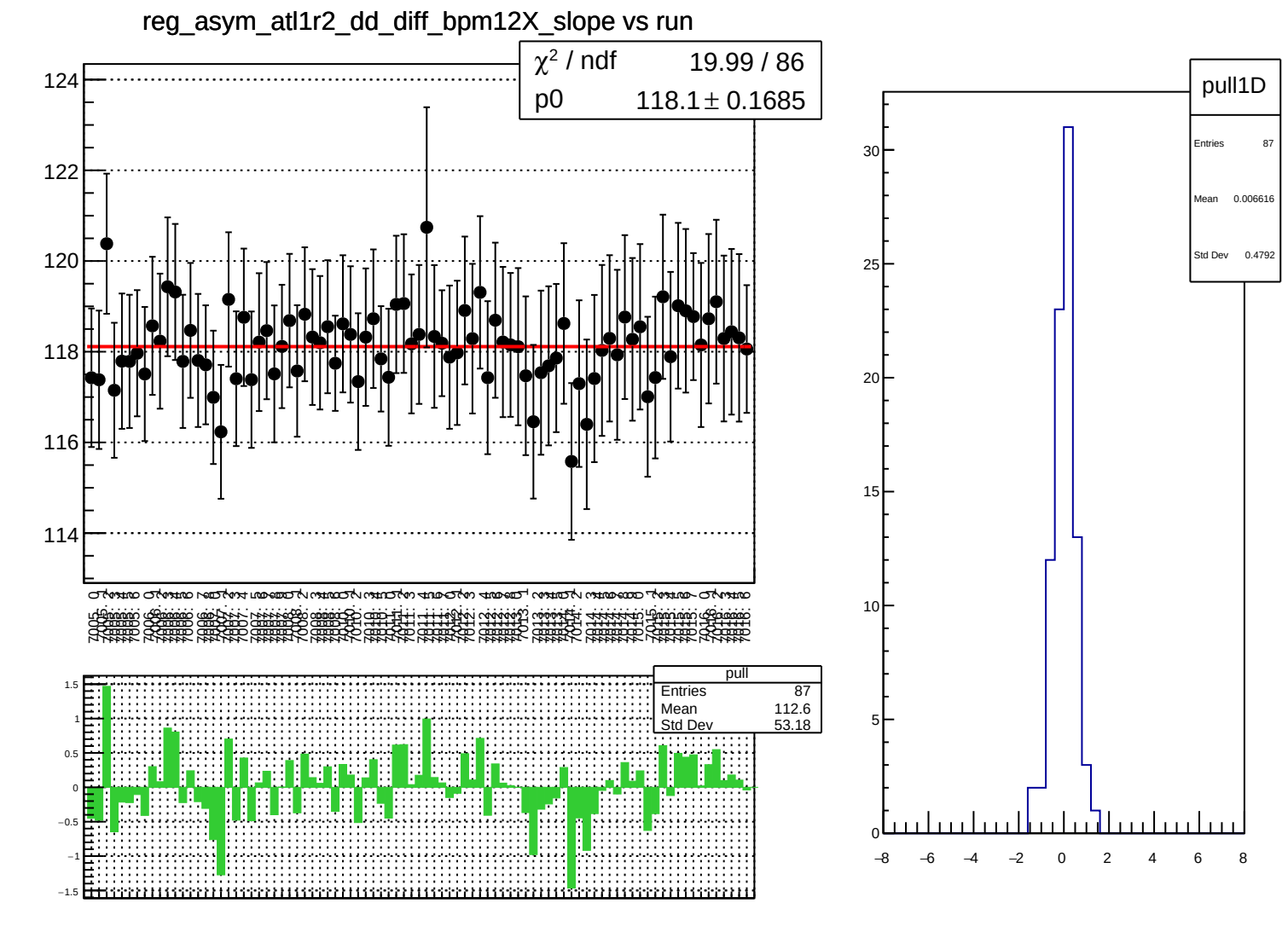

pull1D
Entries 87
Mean 0.0003281
Std Dev 0.4517

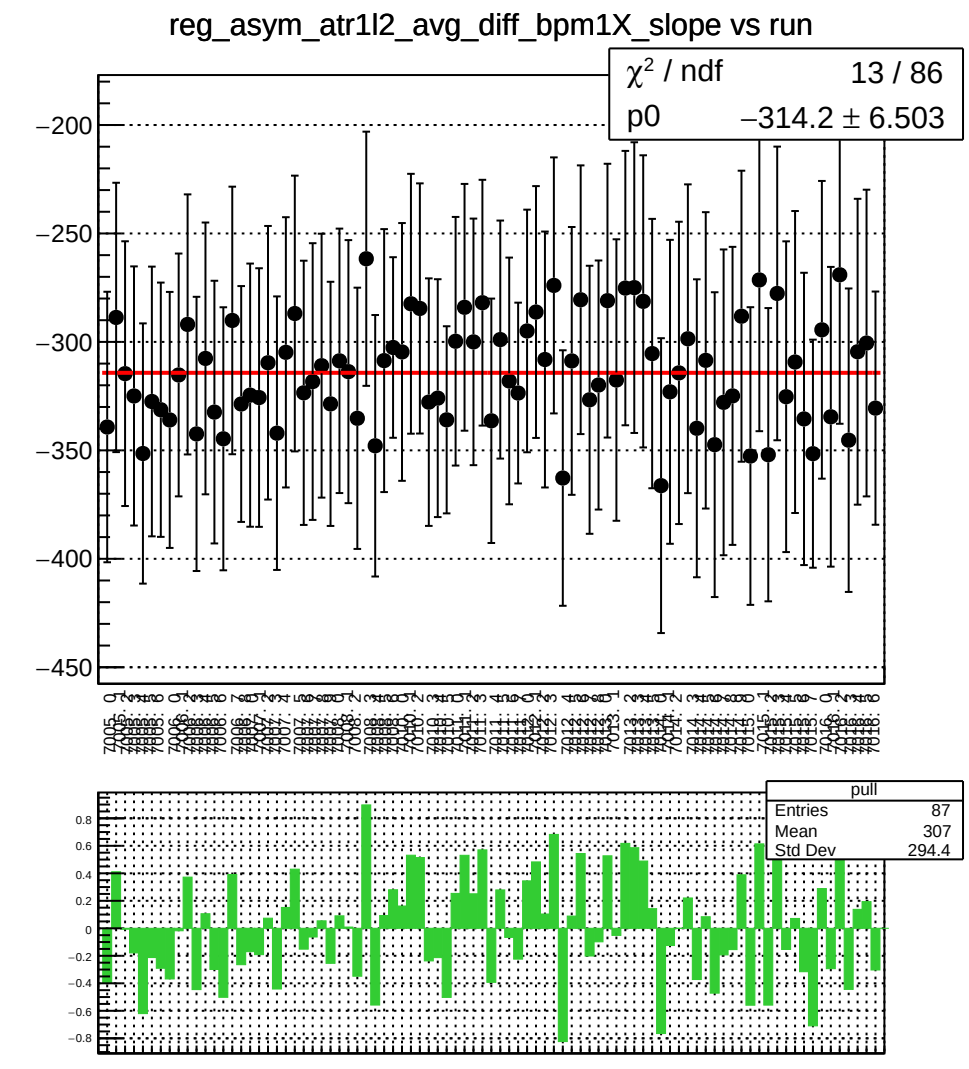

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.66 / 86
p0 13.94 ± 3.492
pull
Entries 87
Mean 644.7
Std Dev 595.8
pull1D
Entries 87
Mean −0.003907
Std Dev 0.3815

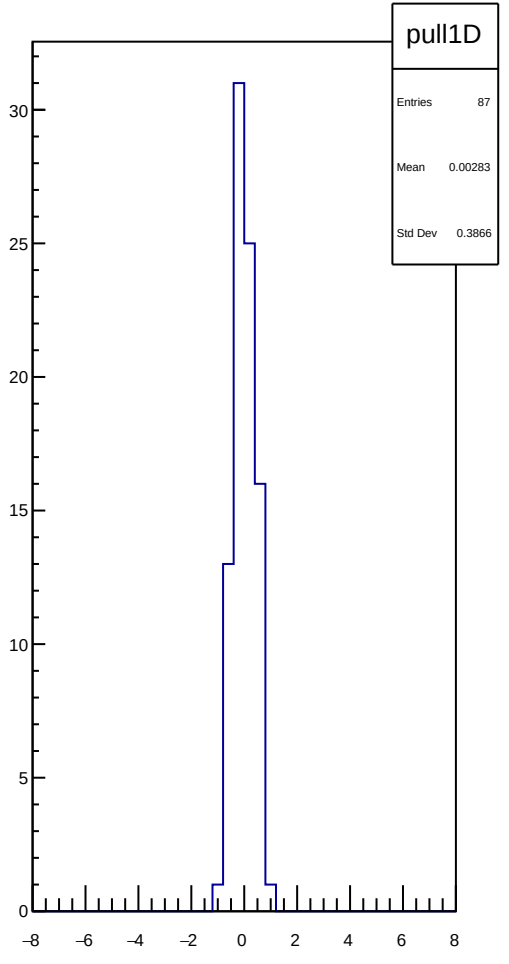

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.53 / 86
p0 −251.5 ± 4.712
−150
−200
−250
−300
−350
pull
Entries 87
Mean 1368
Std Dev 1311
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.0006483
Std Dev 0.4488
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

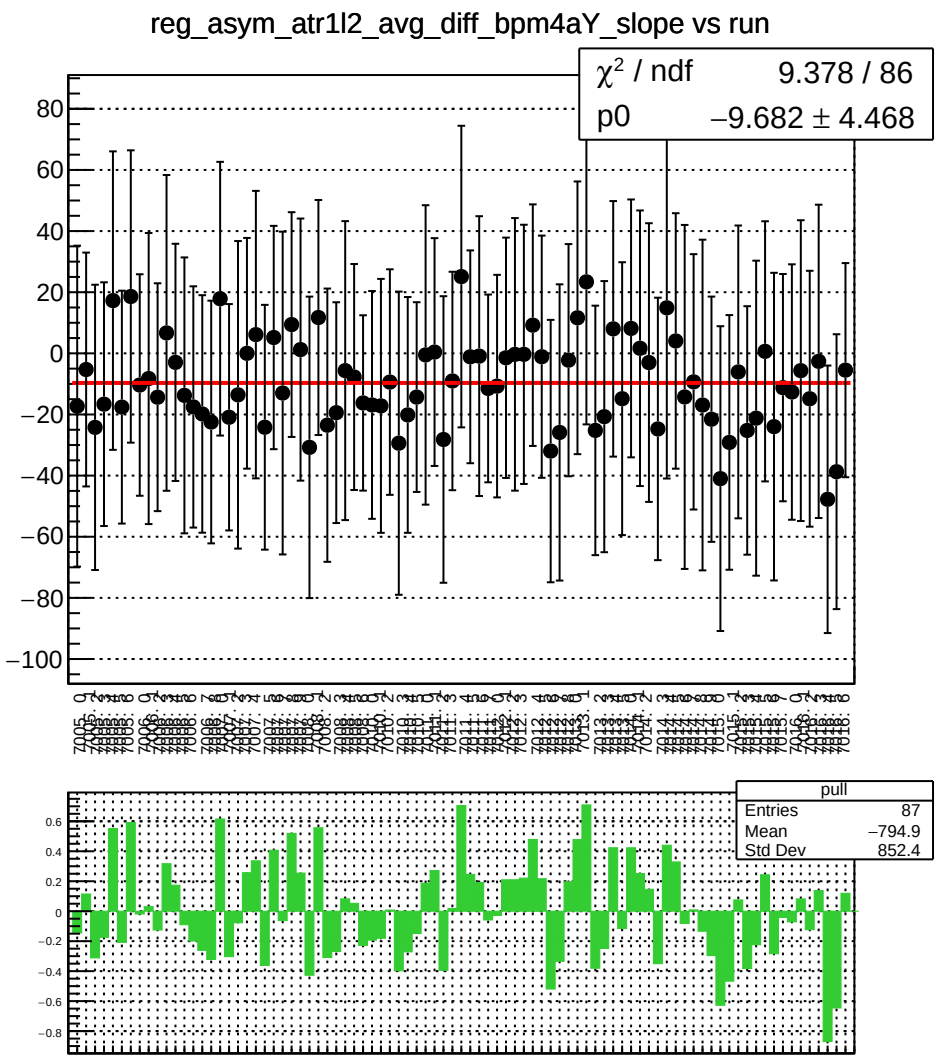

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.38 / 86
p0 −84.45 ± 3.668
pull
Entries 87
Mean 595.6
Std Dev 551.2

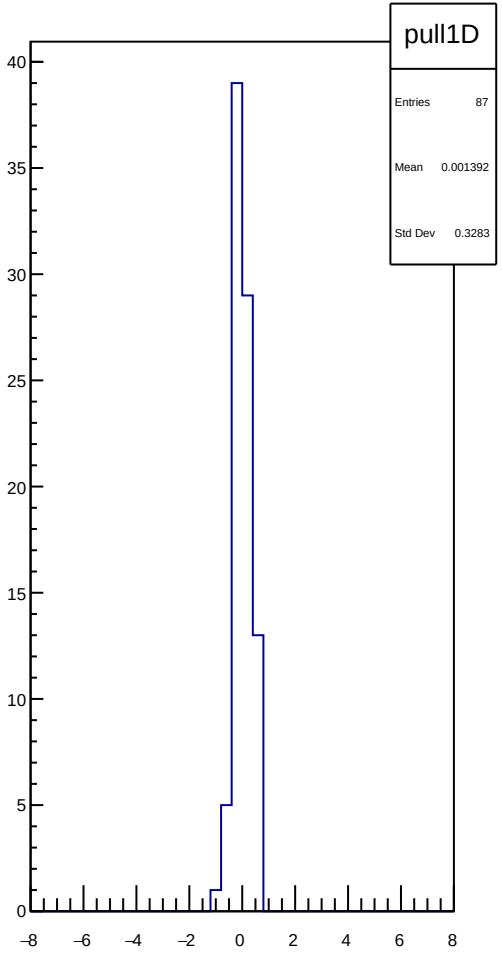

pull1D
Entries 87
Mean 0.007606
Std Dev 0.4064

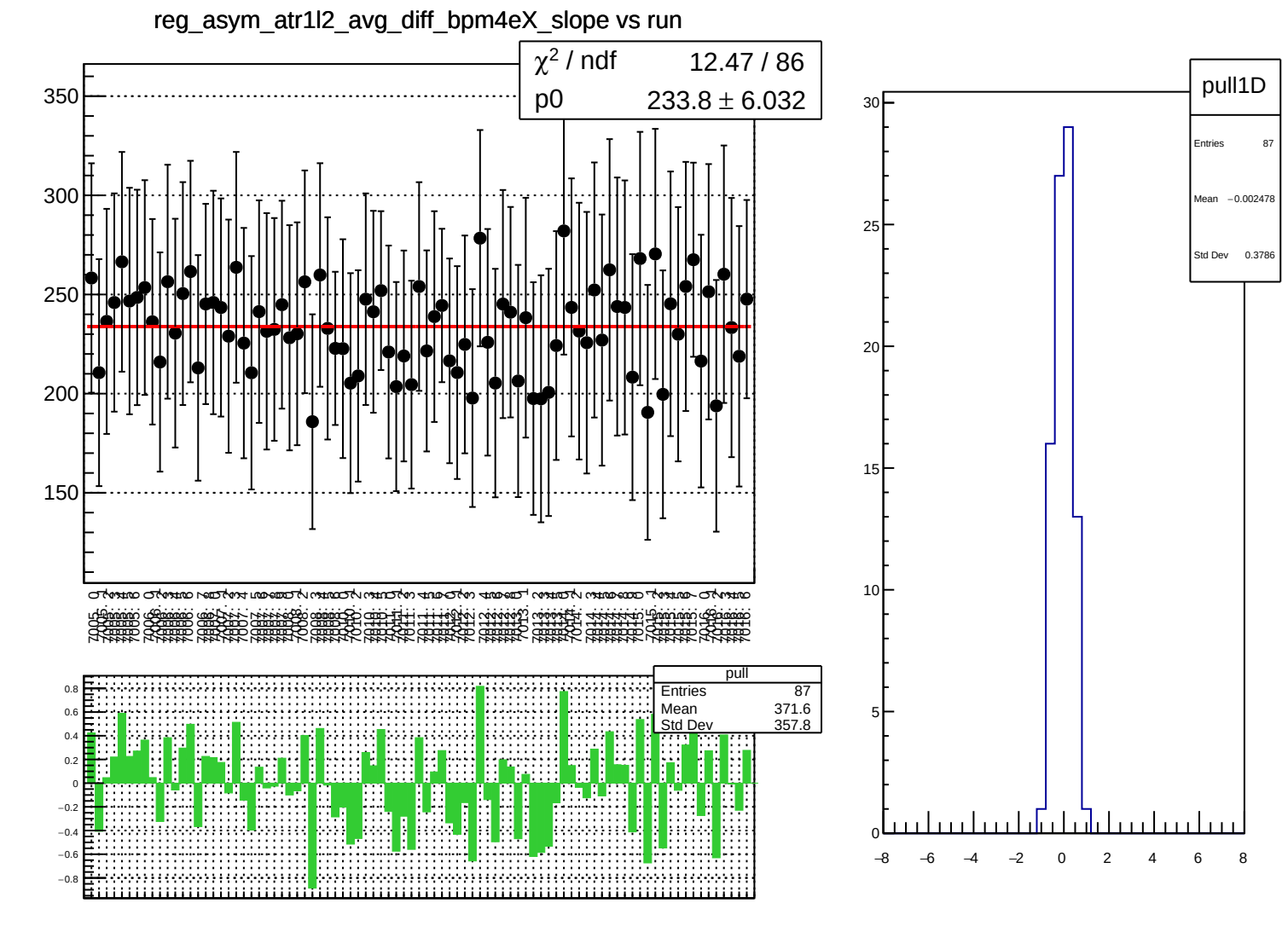

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.99 / 86
p0 118.1 ± 0.1685
124
122
120
118
116
114
pull
Entries 87
Mean 112.6
Std Dev 53.18
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean 0.006616
Std Dev 0.4792
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

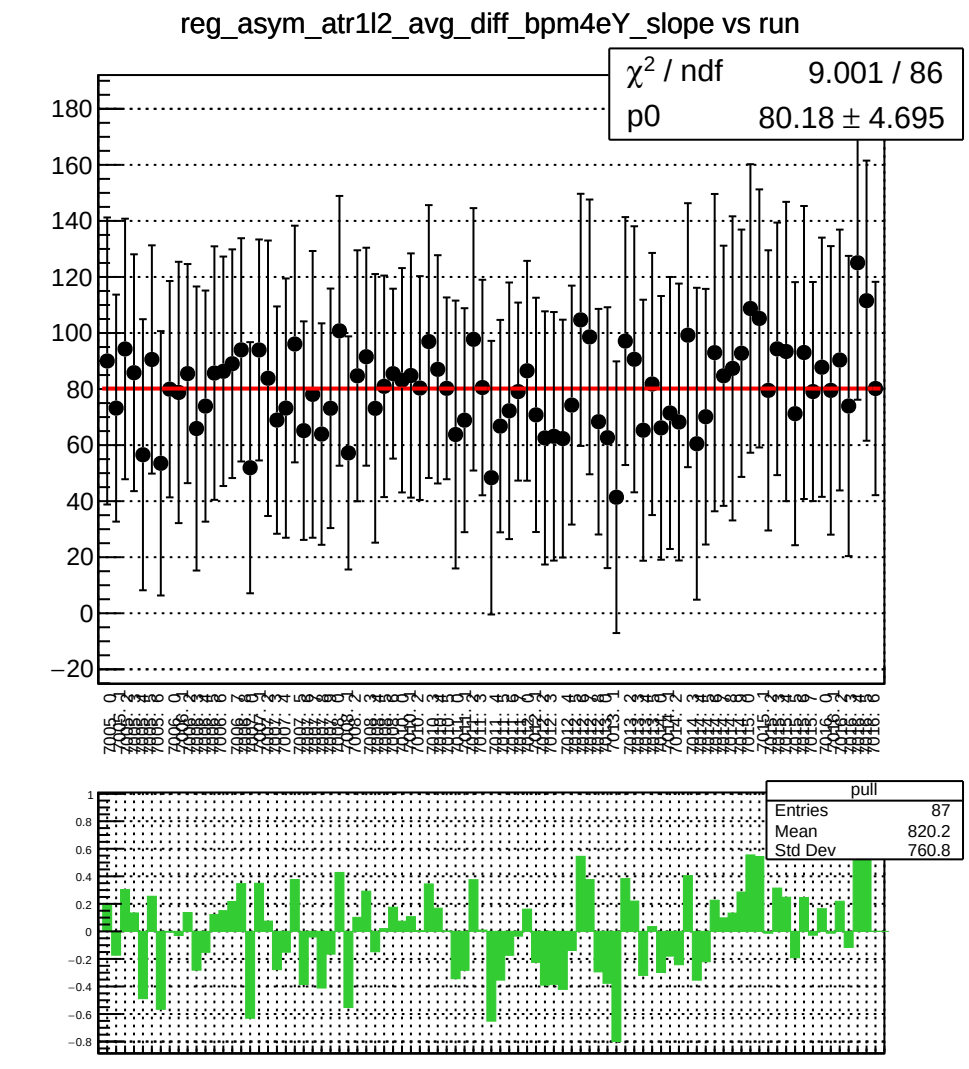

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 13 / 86
p0 −314.2 ± 6.503
−200
−250
−300
−350
−400
−450
pull
Entries 87
Mean 307
Std Dev 294.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

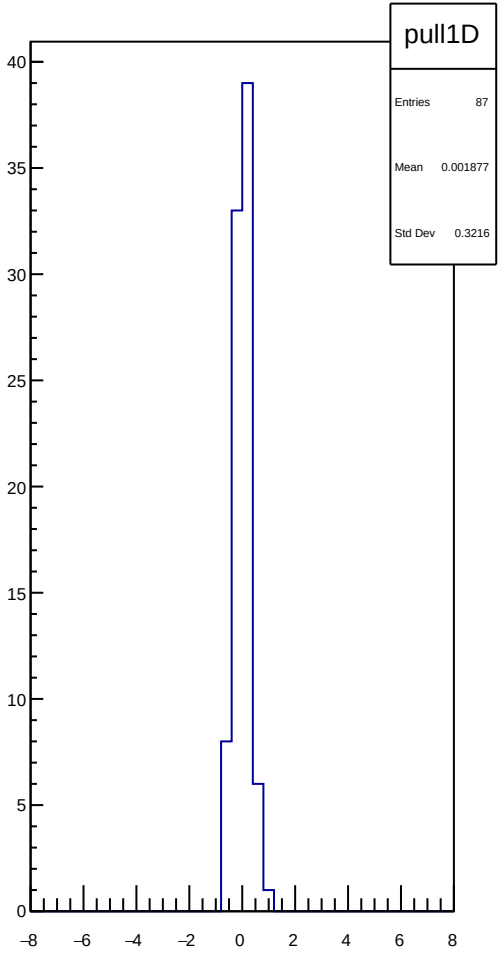

pull1D
Entries 87
Mean 0.00283
Std Dev 0.3866
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

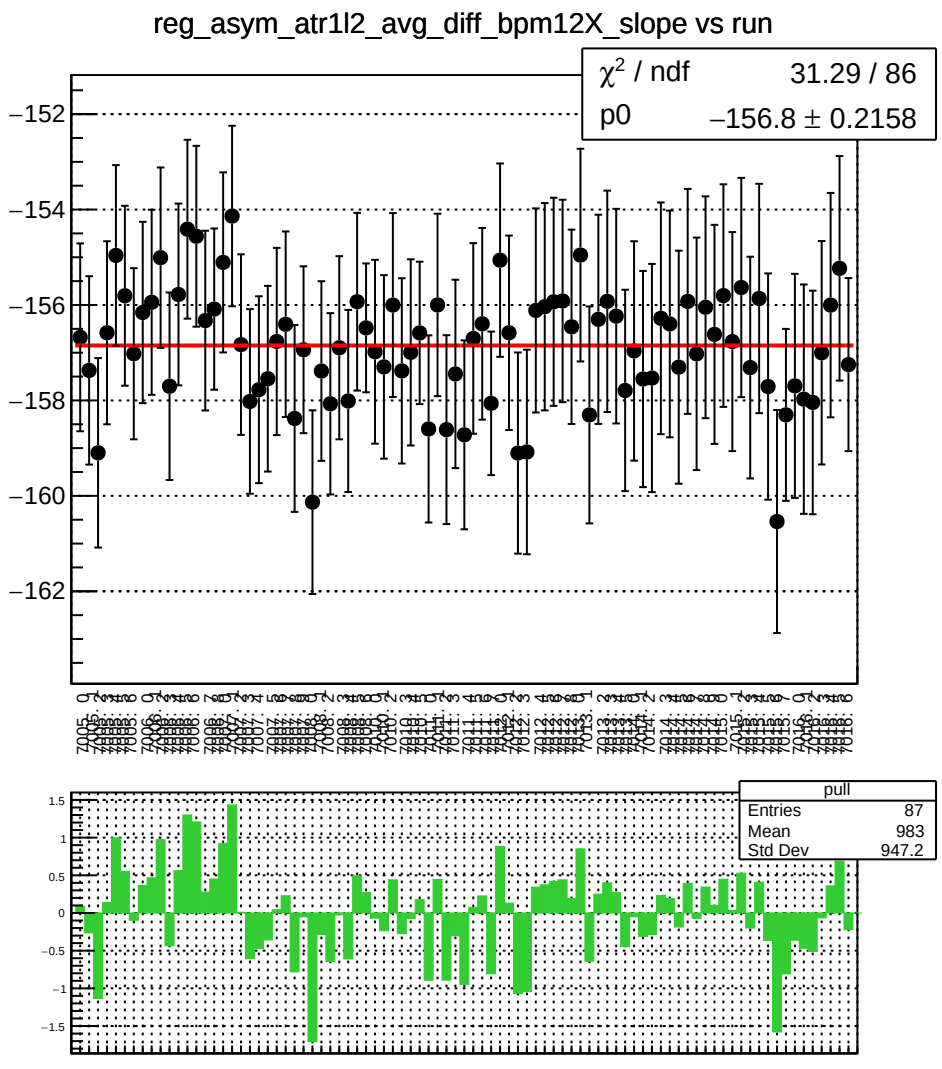

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.378 / 86
p0 −9.682 ± 4.468
pull
Entries 87
Mean −794.9
Std Dev 852.4

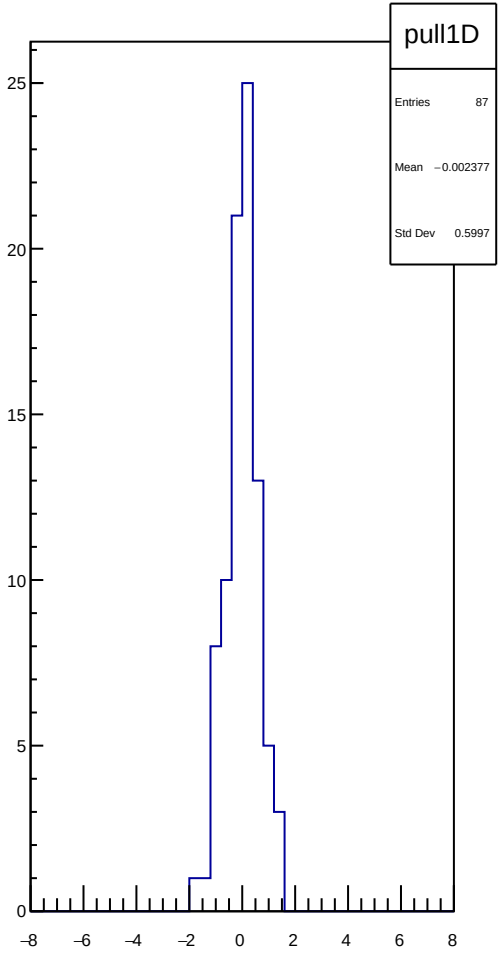

pull1D
Entries 87
Mean 0.001392
Std Dev 0.3283

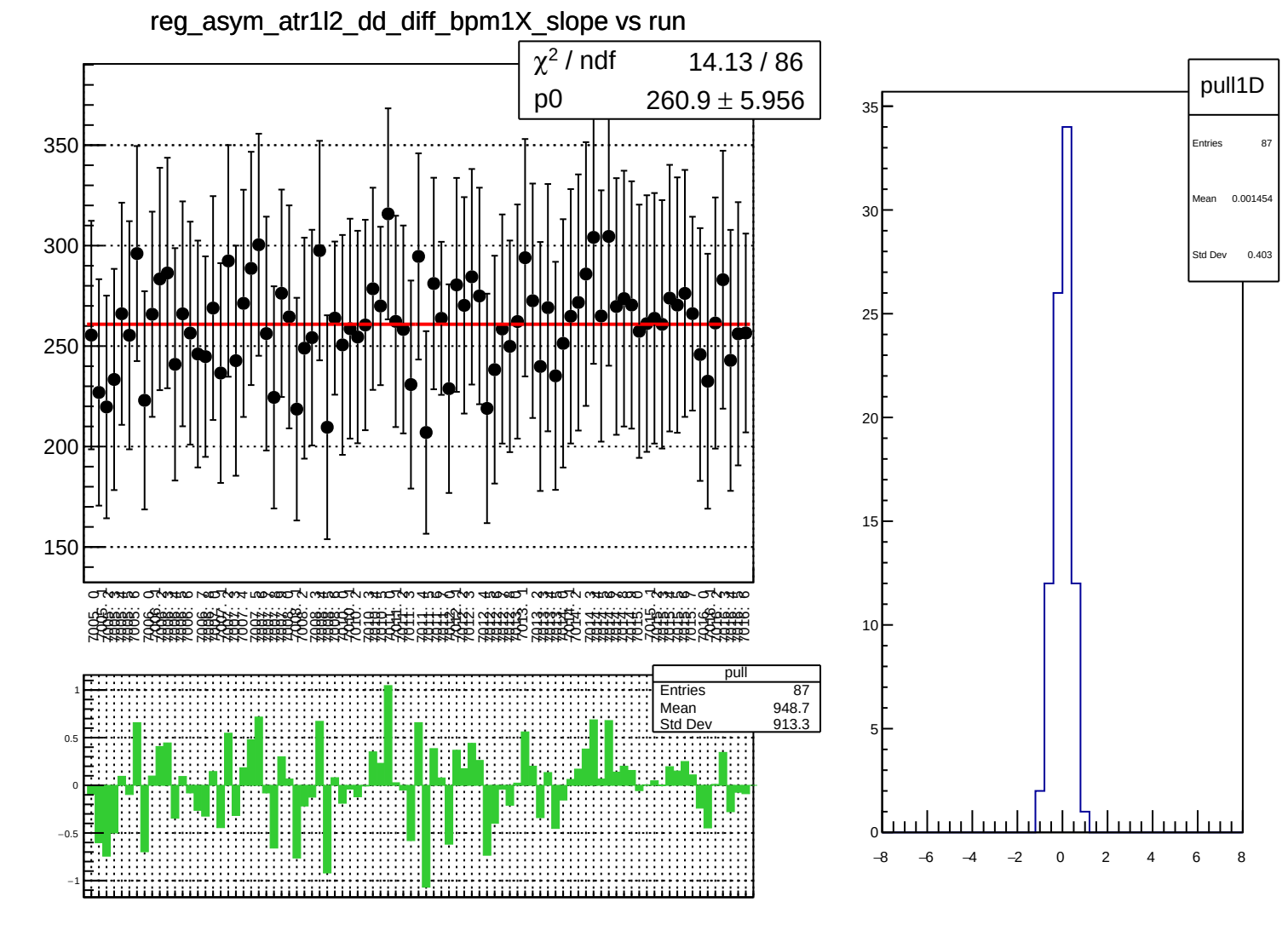

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.47 / 86
p0 233.8 ± 6.032
350
300
250
200
150
pull
Entries 87
Mean 371.6
Std Dev 357.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean −0.002478
Std Dev 0.3786
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

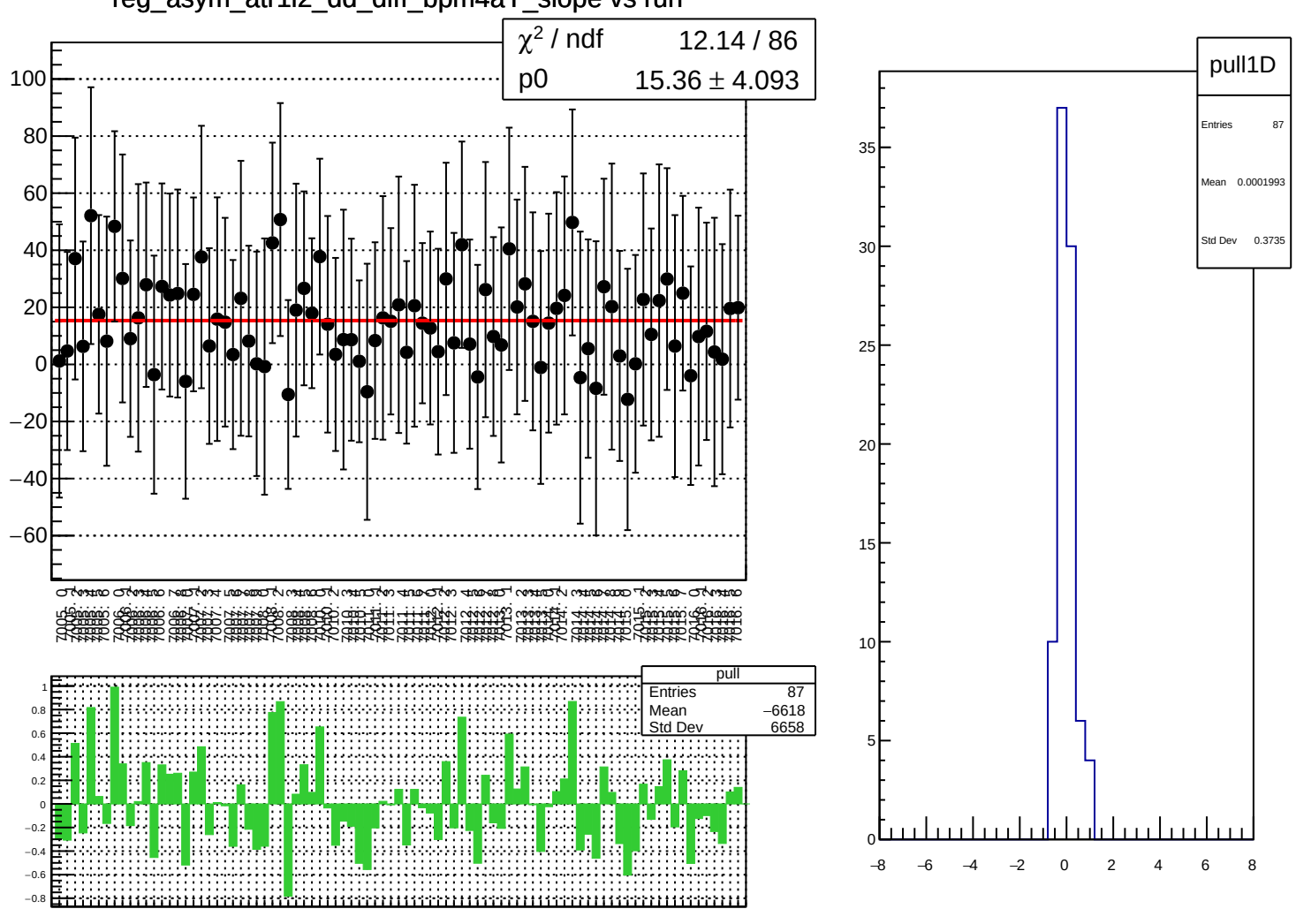

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.001 / 86
p0 80.18 ± 4.695
pull
Entries 87
Mean 820.2
Std Dev 760.8

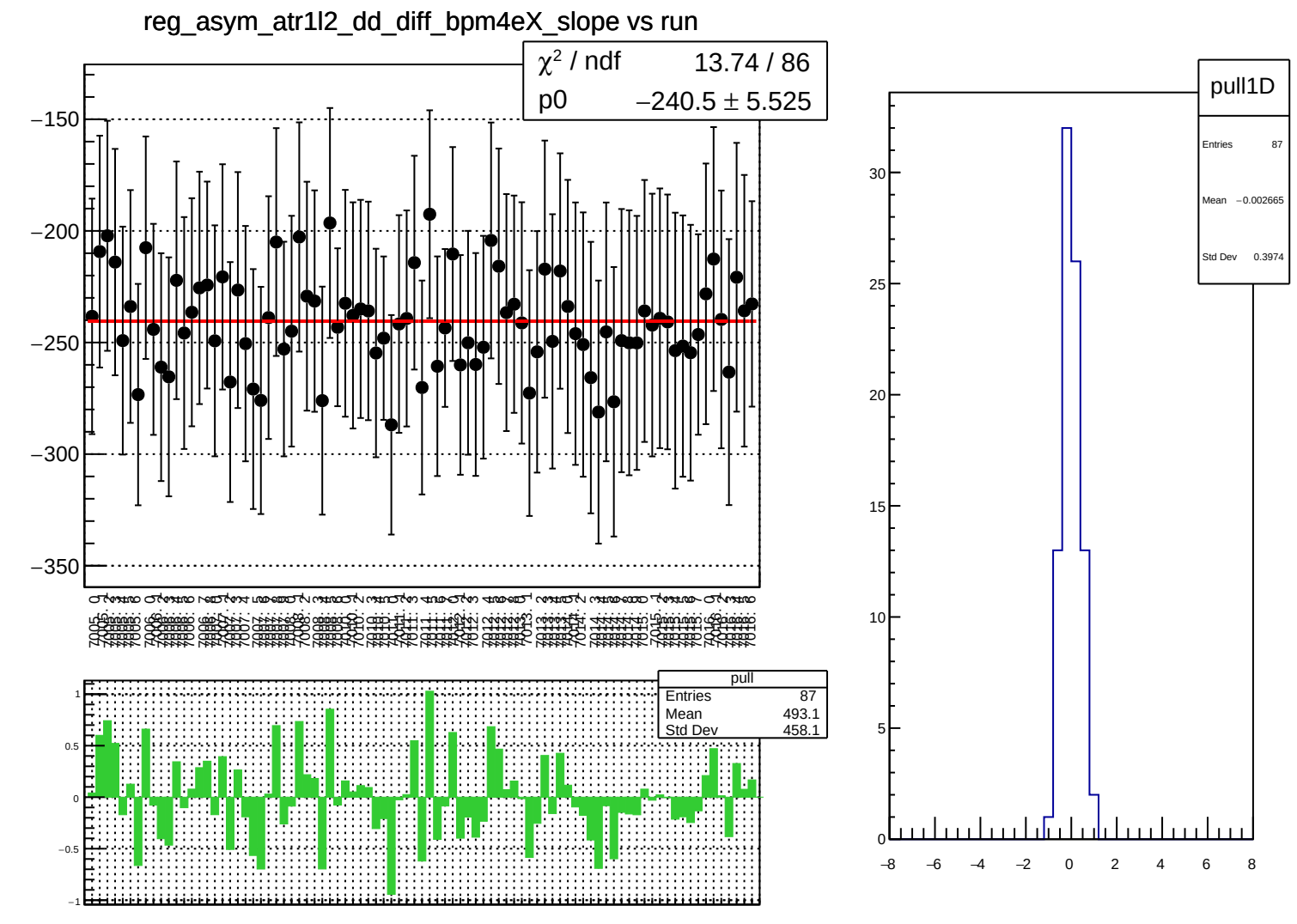

pull1D
Entries 87
Mean 0.001877
Std Dev 0.3216

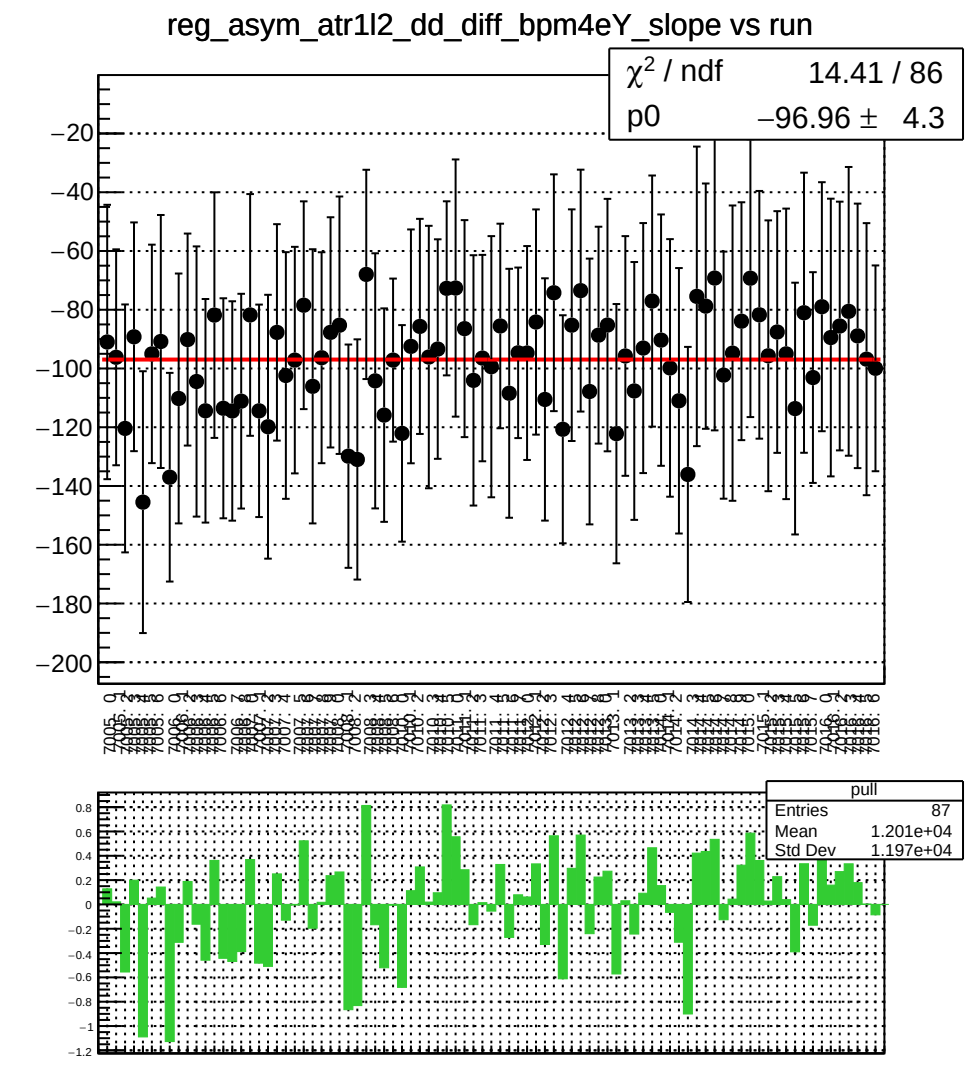

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 31.29 / 86
p0 −156.8 ± 0.2158
−152
−154
−156
−158
−160
−162
pull
Entries 87
Mean 983
Std Dev 947.2
1.5
1
0.5
0
−0.5
−1
−1.5

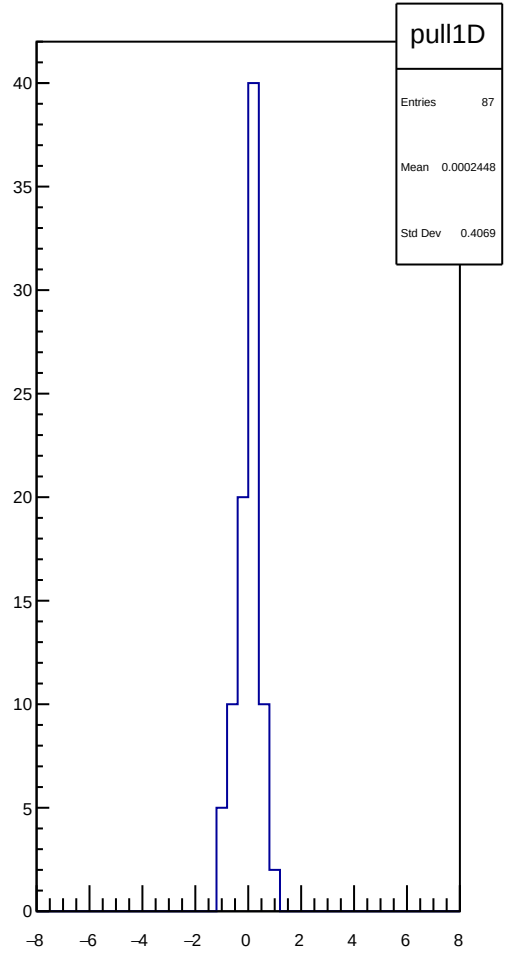

pull1D
Entries 87
Mean −0.002377
Std Dev 0.5997
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

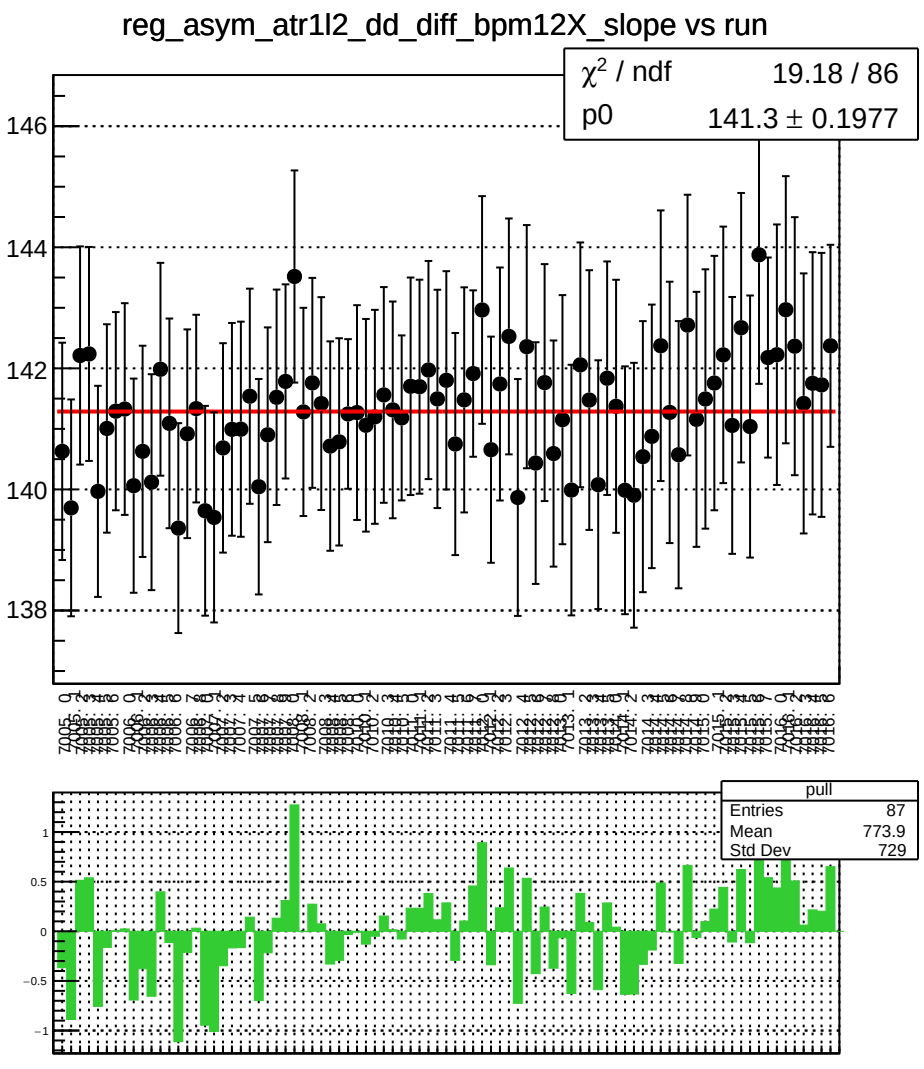

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.13 / 86
p0 260.9 ± 5.956
350
300
250
200
150
pull
Entries 87
Mean 948.7
Std Dev 913.3
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.001454
Std Dev 0.403
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

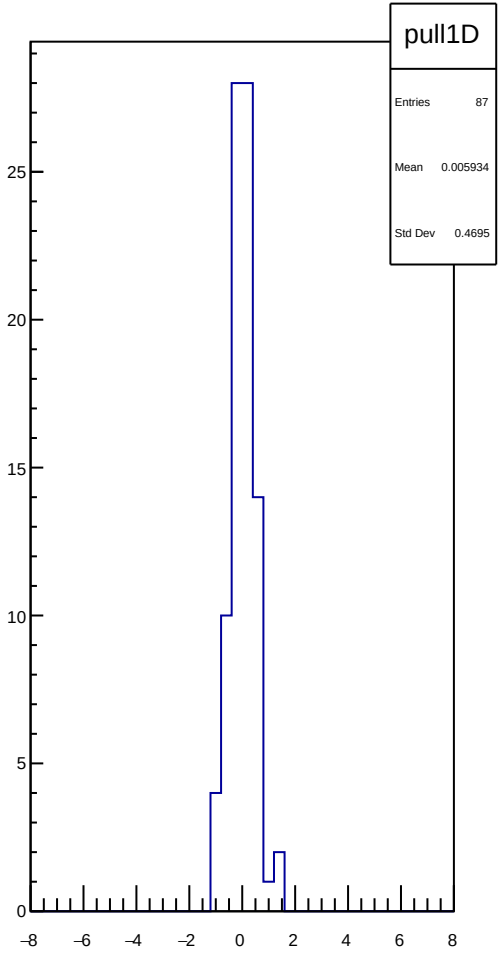

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 86
p0 15.36 ± 4.093
pull
Entries 87
Mean −6618
Std Dev 6658
pull1D
Entries 87
Mean 0.0001993
Std Dev 0.3735

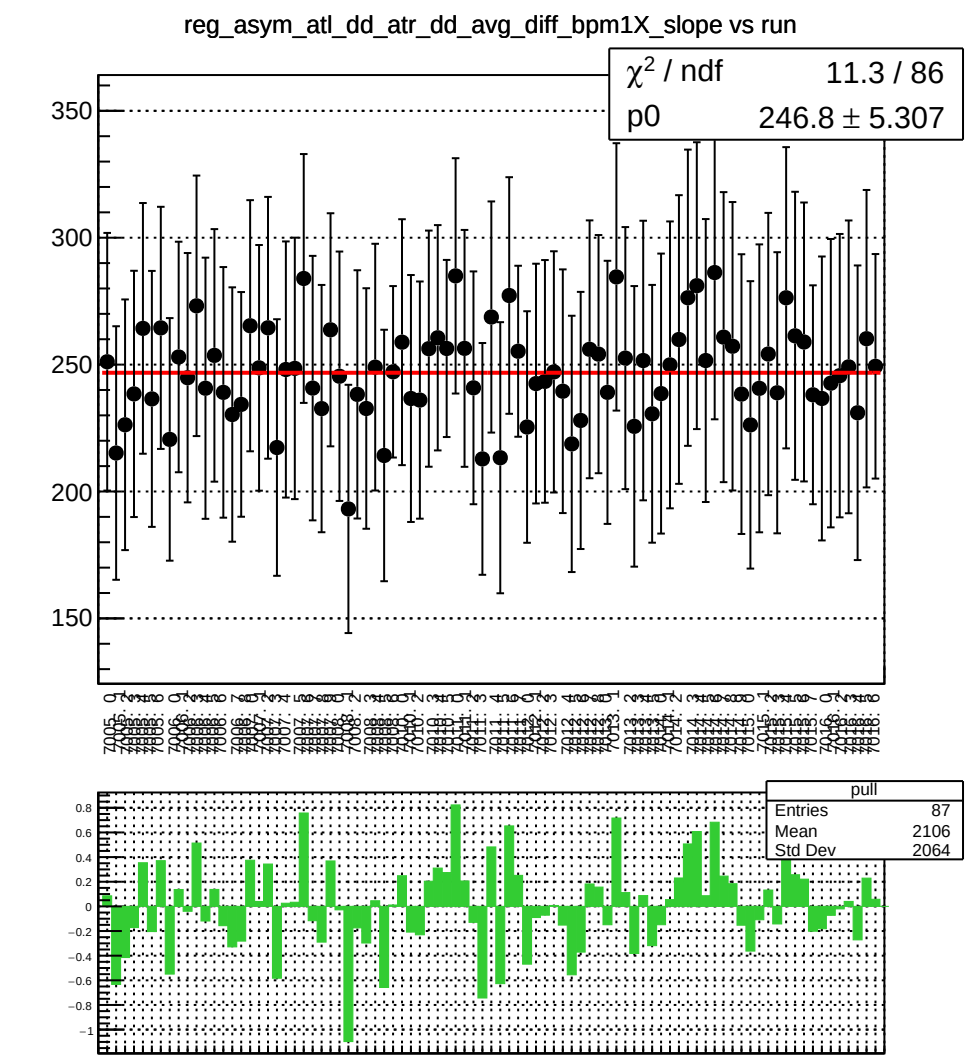

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.74 / 86
p0 −240.5 ± 5.525
−150
−200
−250
−300
−350
pull
Entries 87
Mean 493.1
Std Dev 458.1
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean −0.002665
Std Dev 0.3974
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

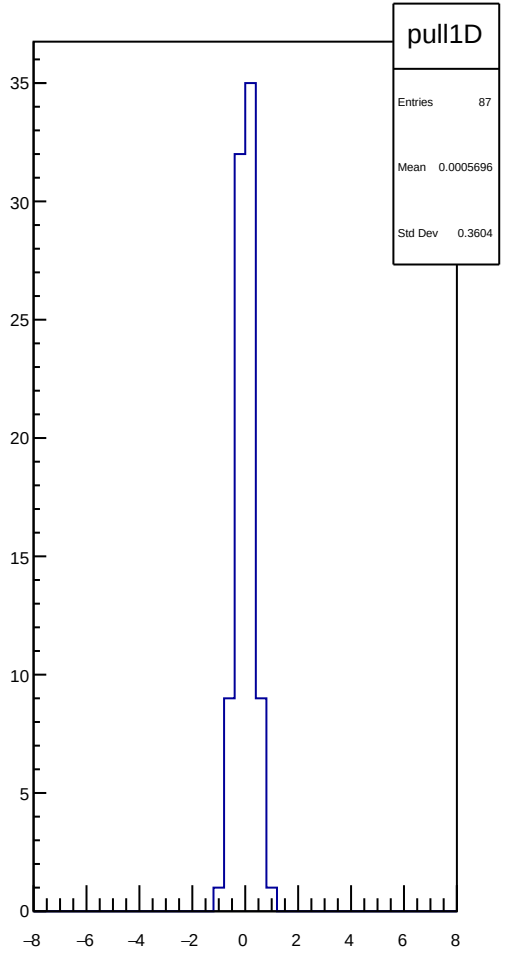

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.41 / 86
p0 −96.96 ± 4.3
pull
Entries 87
Mean 1.201e+04
Std Dev 1.197e+04

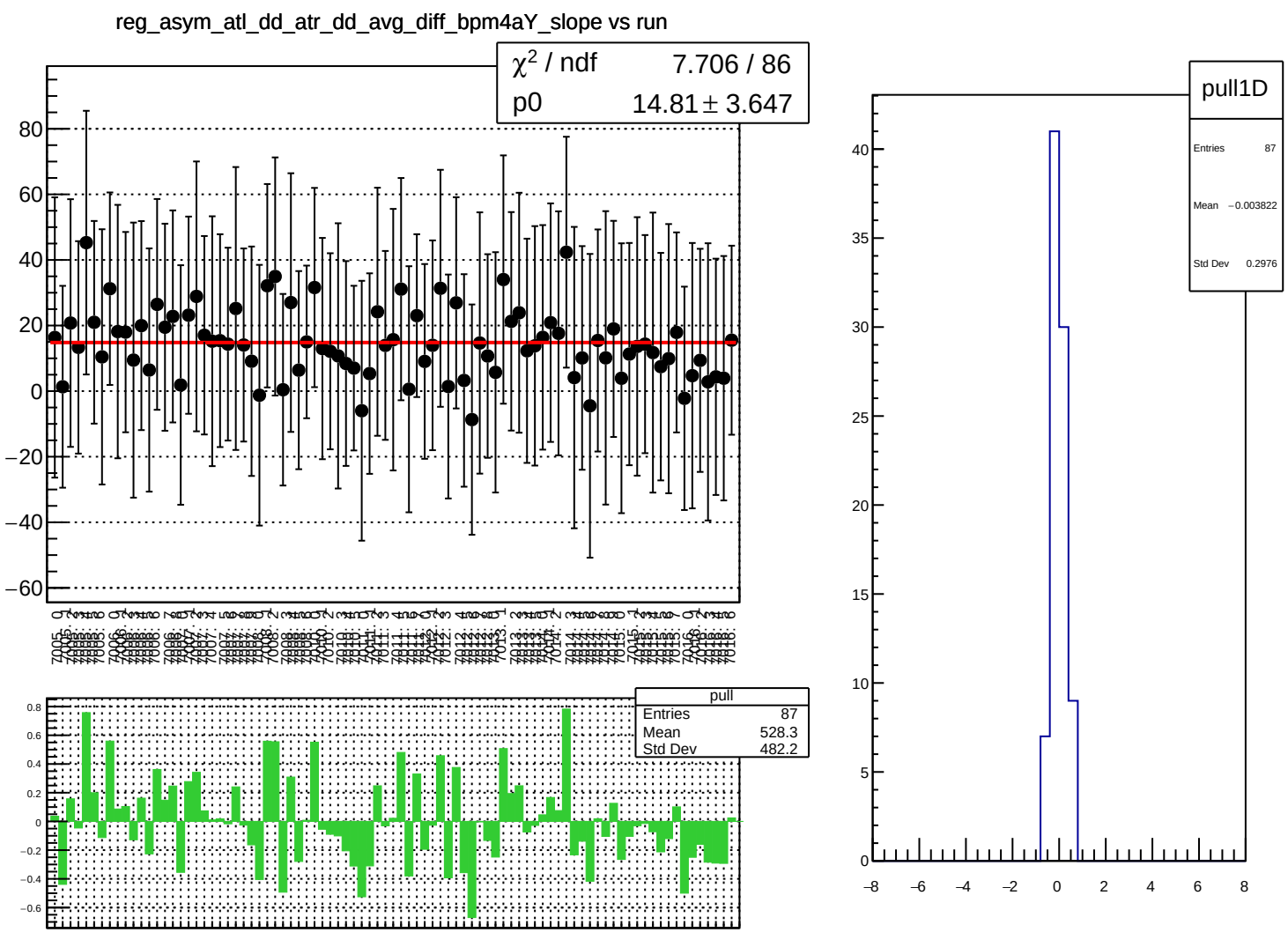

pull1D
Entries 87
Mean 0.0002448
Std Dev 0.4069

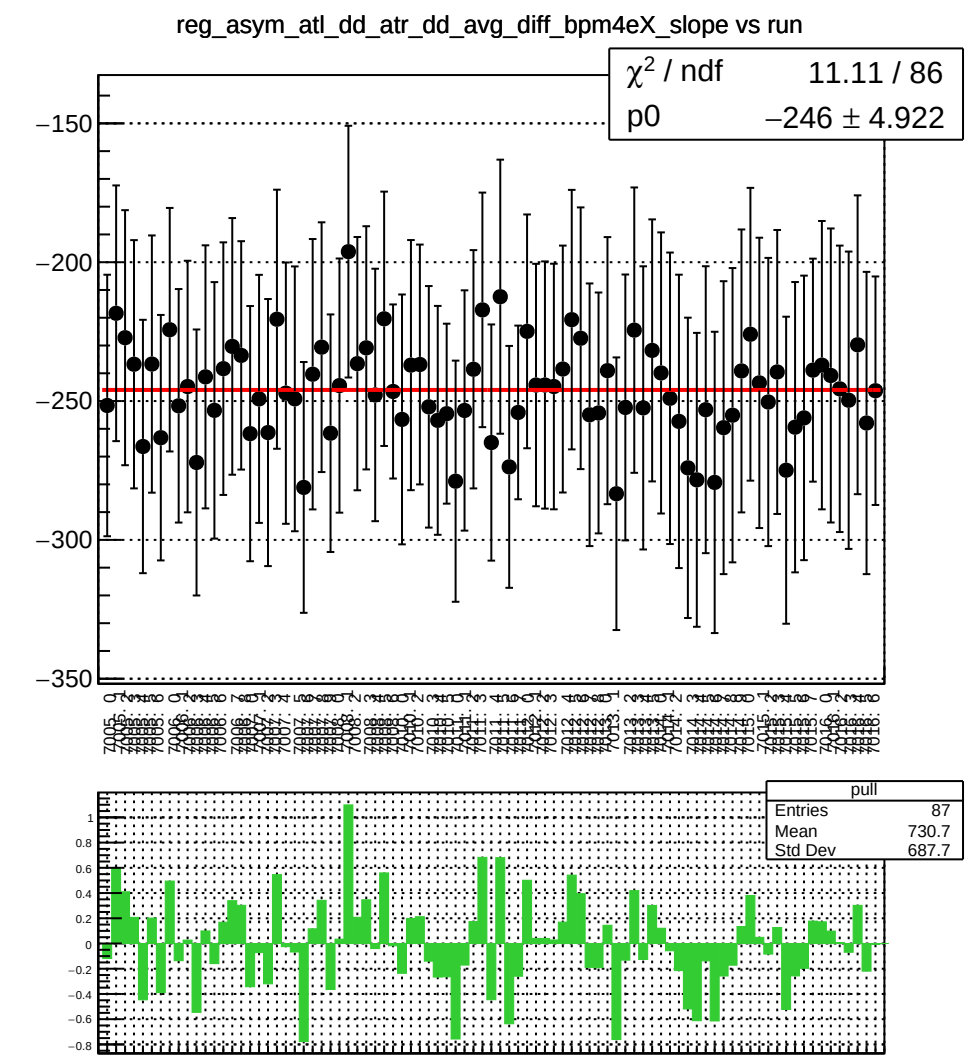

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.18 / 86
p0 141.3 ± 0.1977
146
144
142
140
138
pull
Entries 87
Mean 773.9
Std Dev 729
1
0.5
0
−0.5
−1

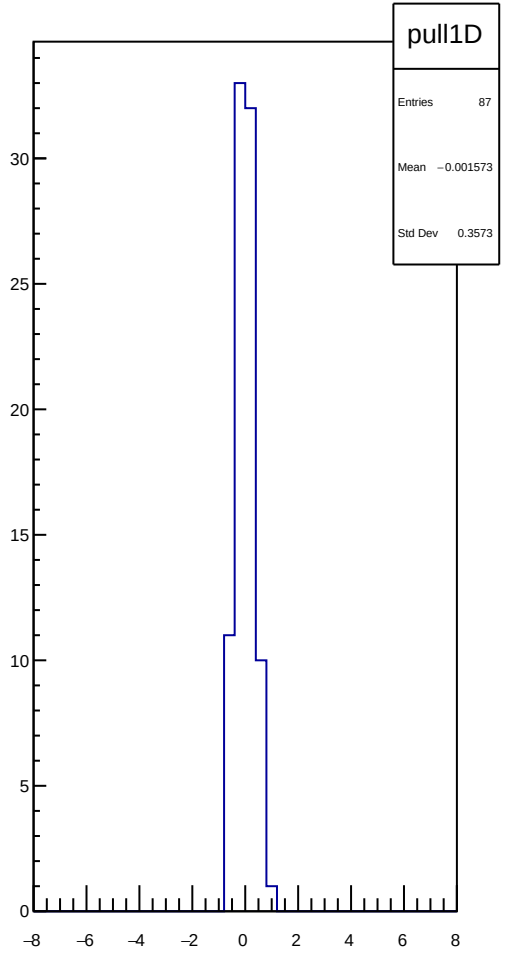

pull1D
Entries 87
Mean 0.005934
Std Dev 0.4695
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

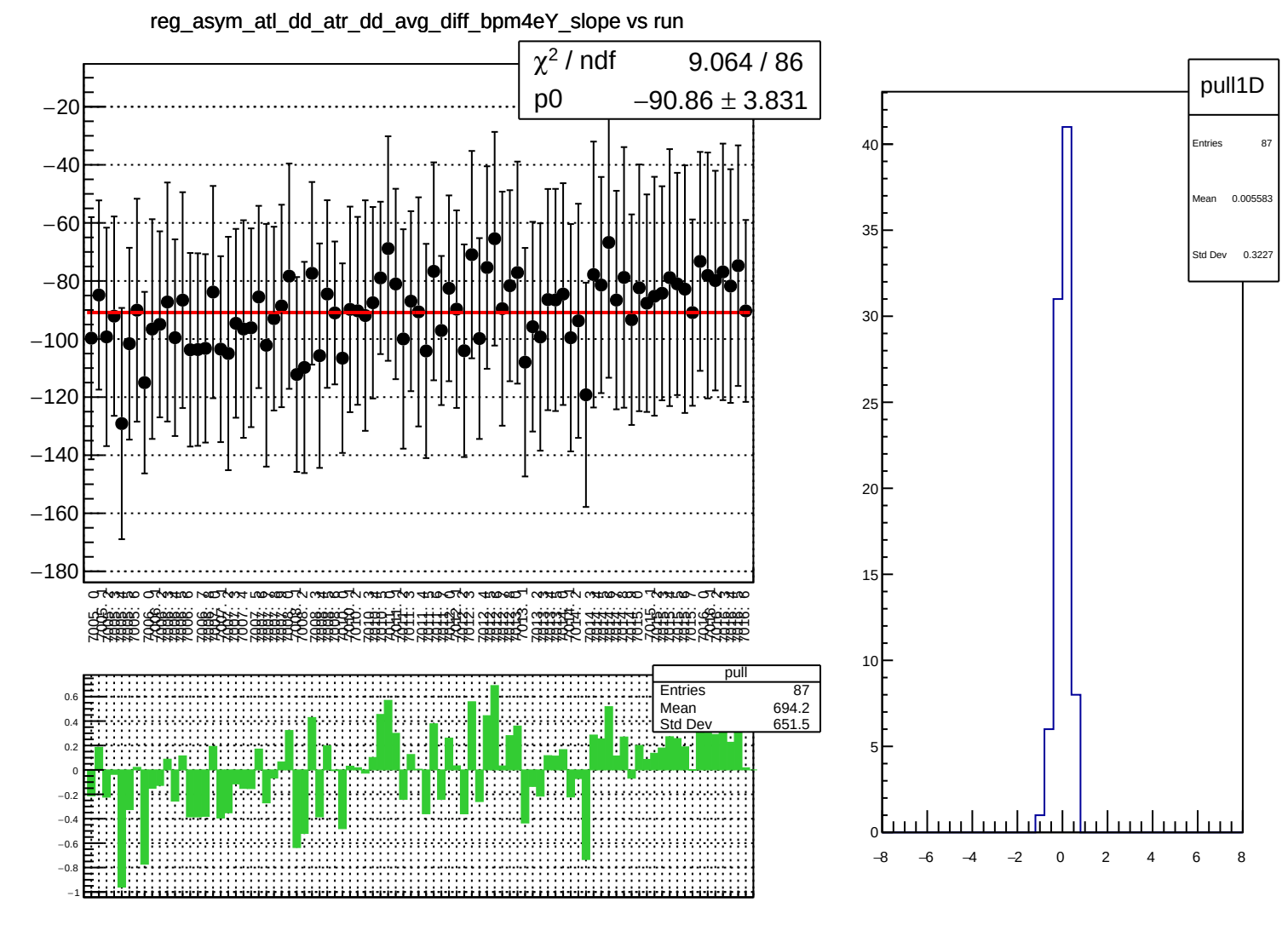

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.3 / 86
p0 246.8 ± 5.307
350
300
250
200
150
pull
Entries 87
Mean 2106
Std Dev 2064
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

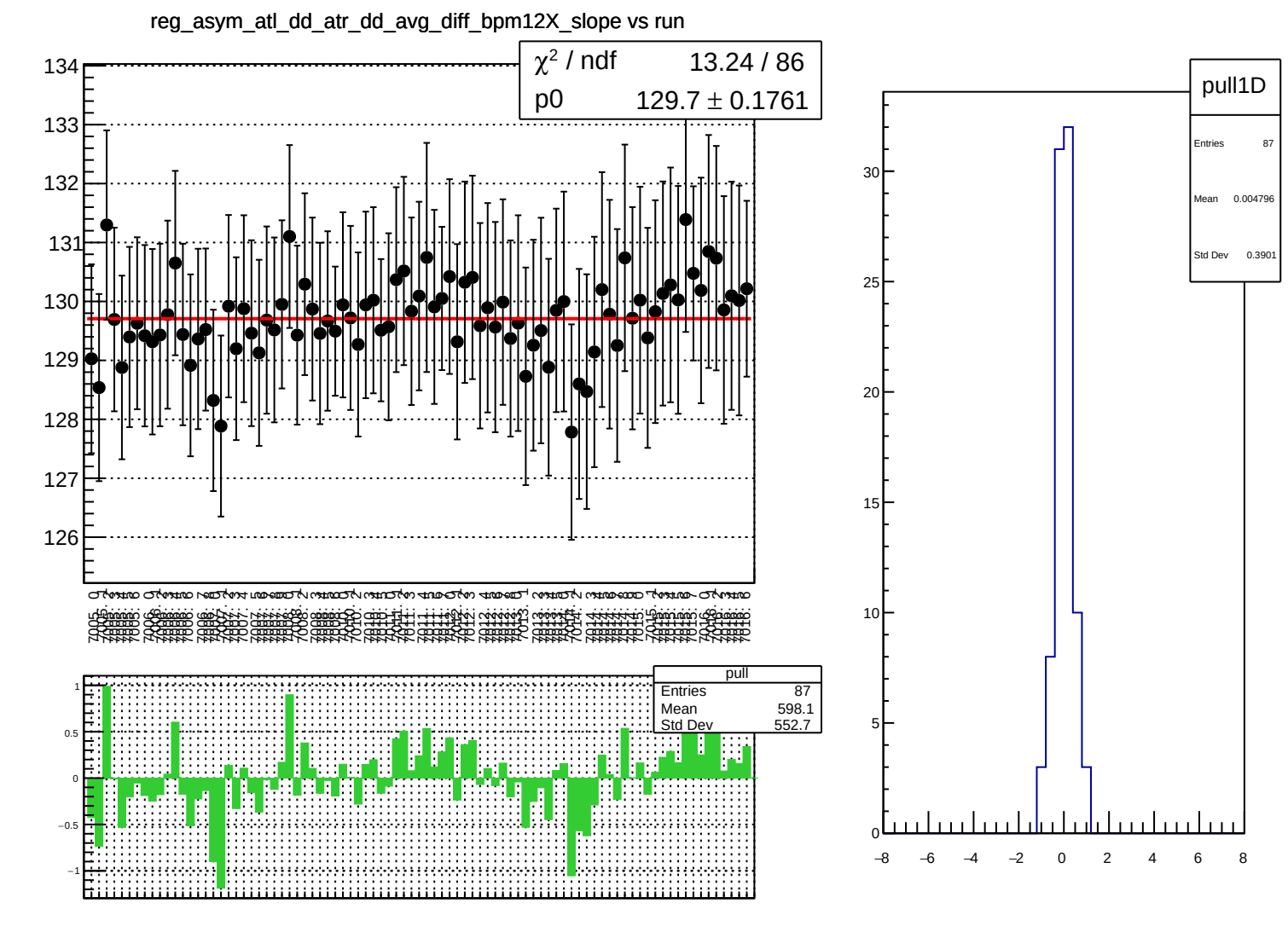

pull1D
Entries 87
Mean 0.0005696
Std Dev 0.3604
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

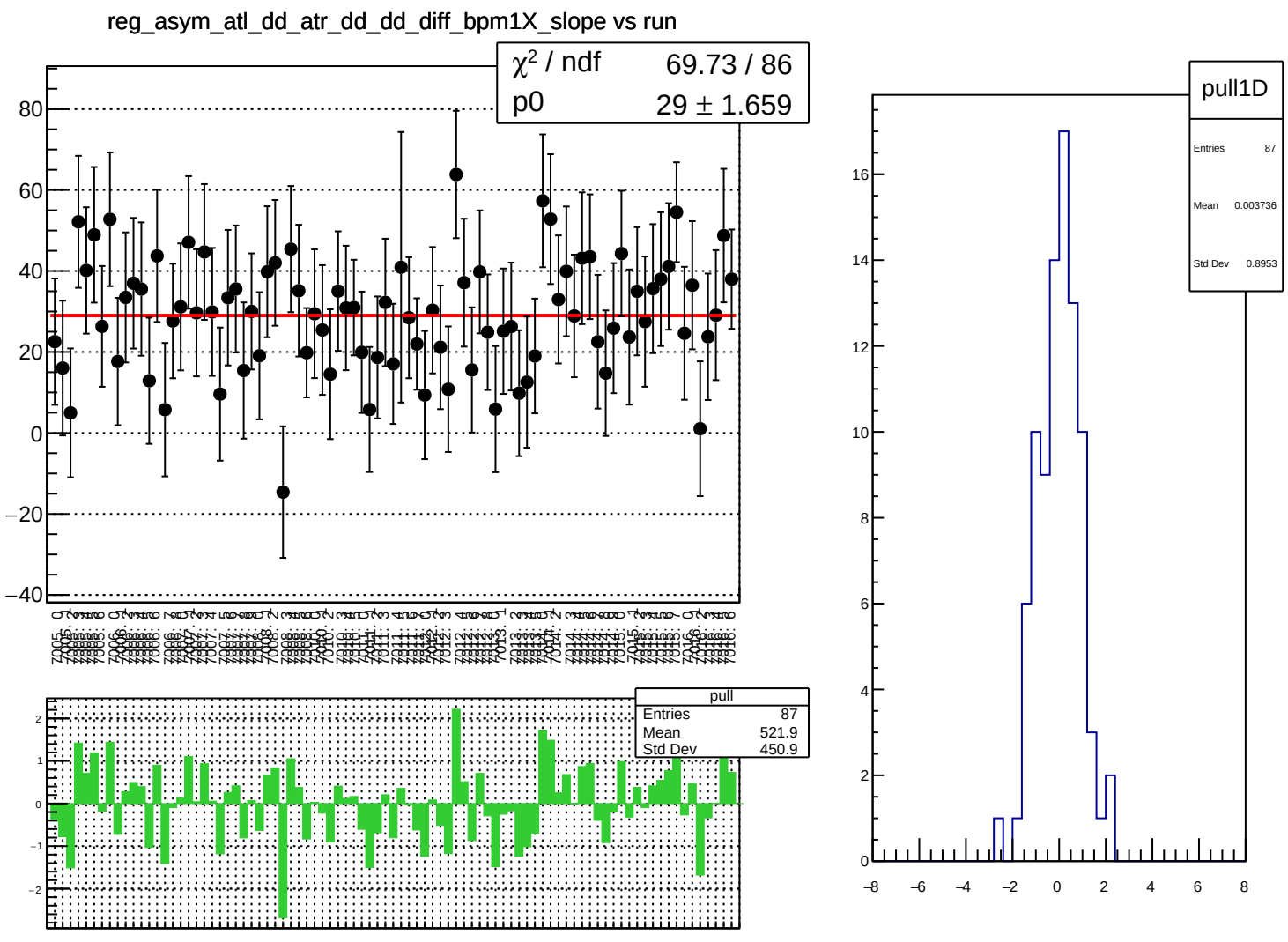

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.706 / 86
p0 14.81 ± 3.647
pull
Entries 87
Mean 528.3
Std Dev 482.2
pull1D
Entries 87
Mean −0.003822
Std Dev 0.2976

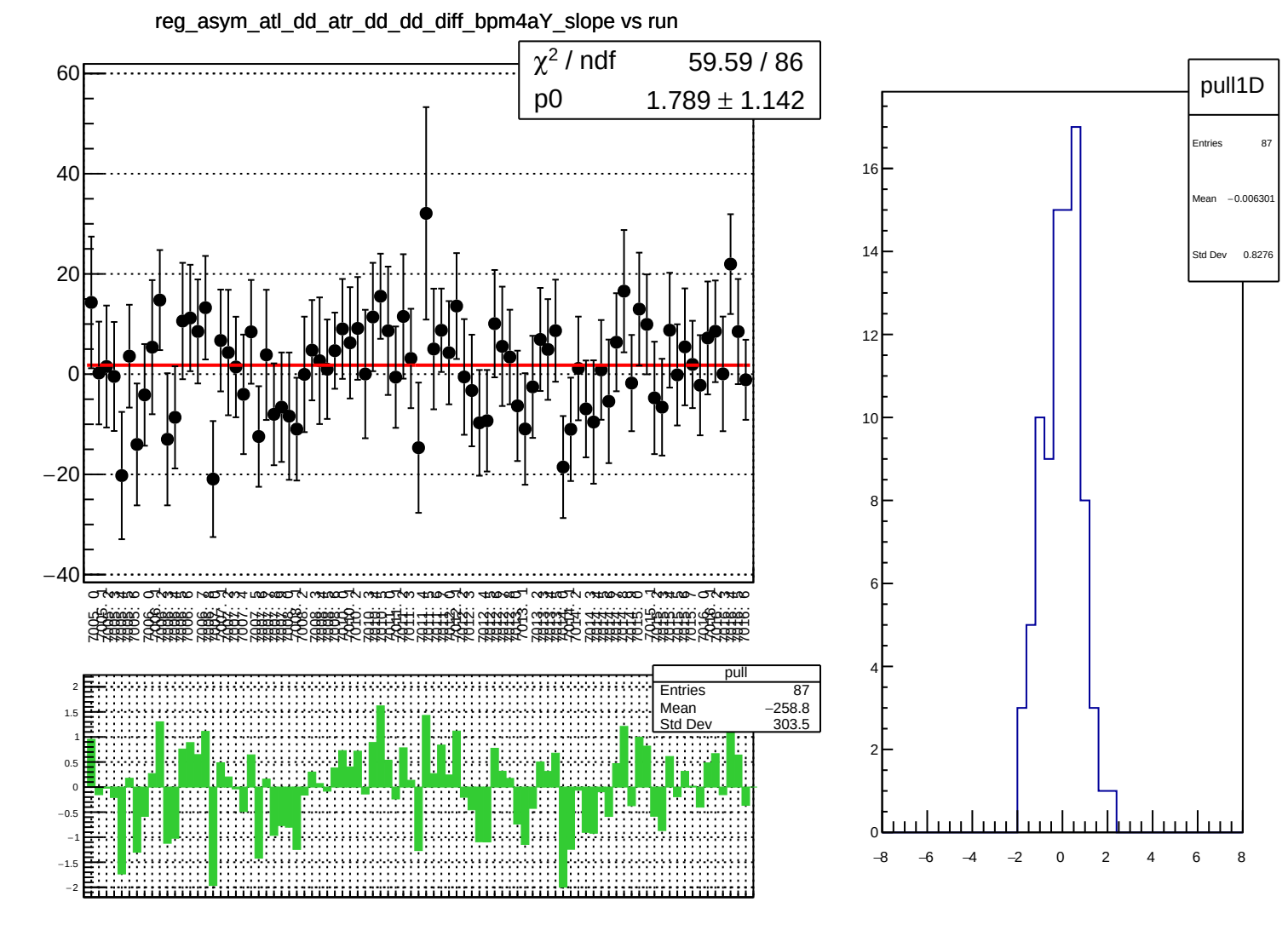

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.11 / 86
p0 −246 ± 4.922
−150
−200
−250
−300
−350
pull
Entries 87
Mean 730.7
Std Dev 687.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

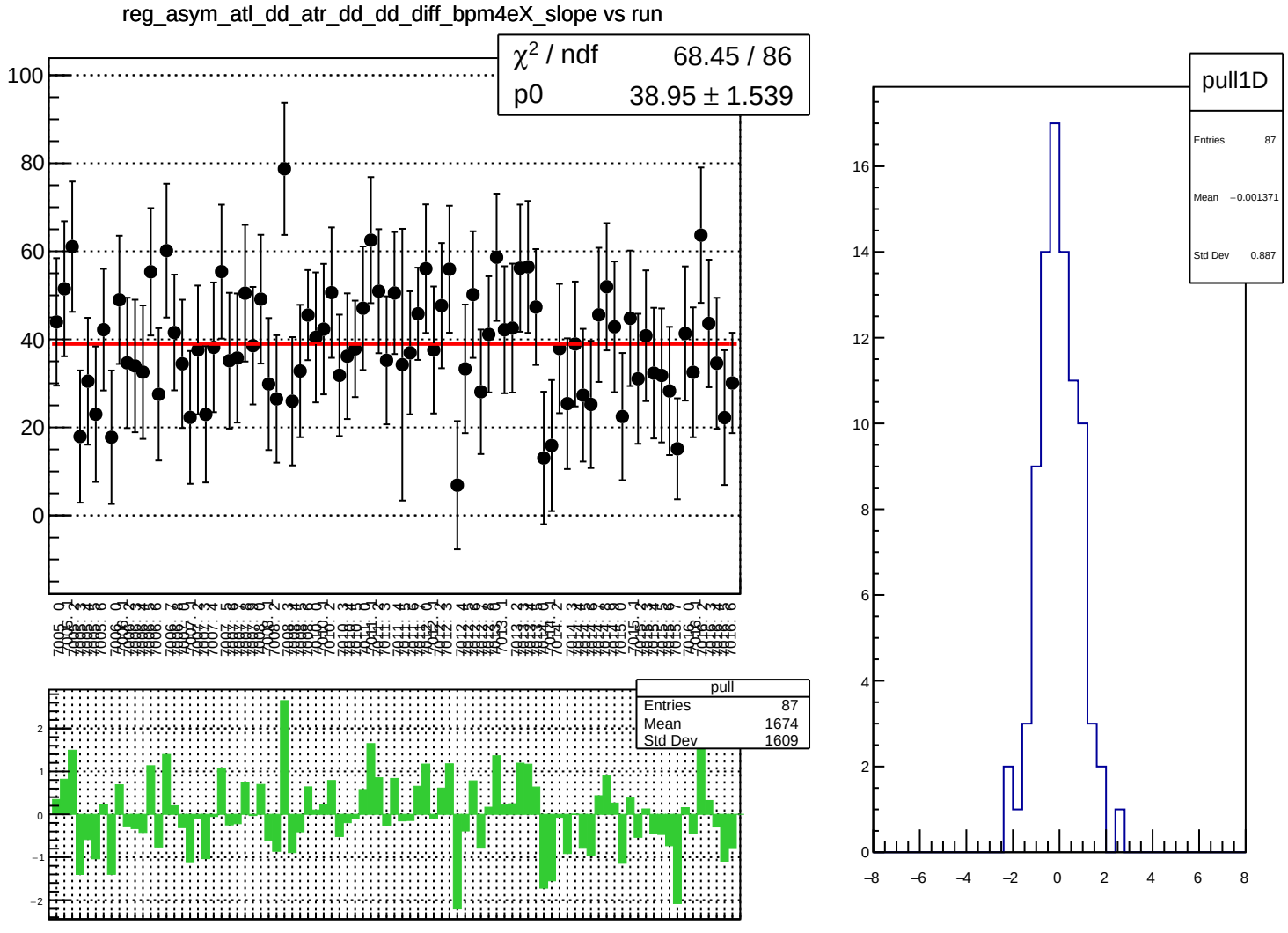

pull1D
Entries 87
Mean −0.001573
Std Dev 0.3573
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

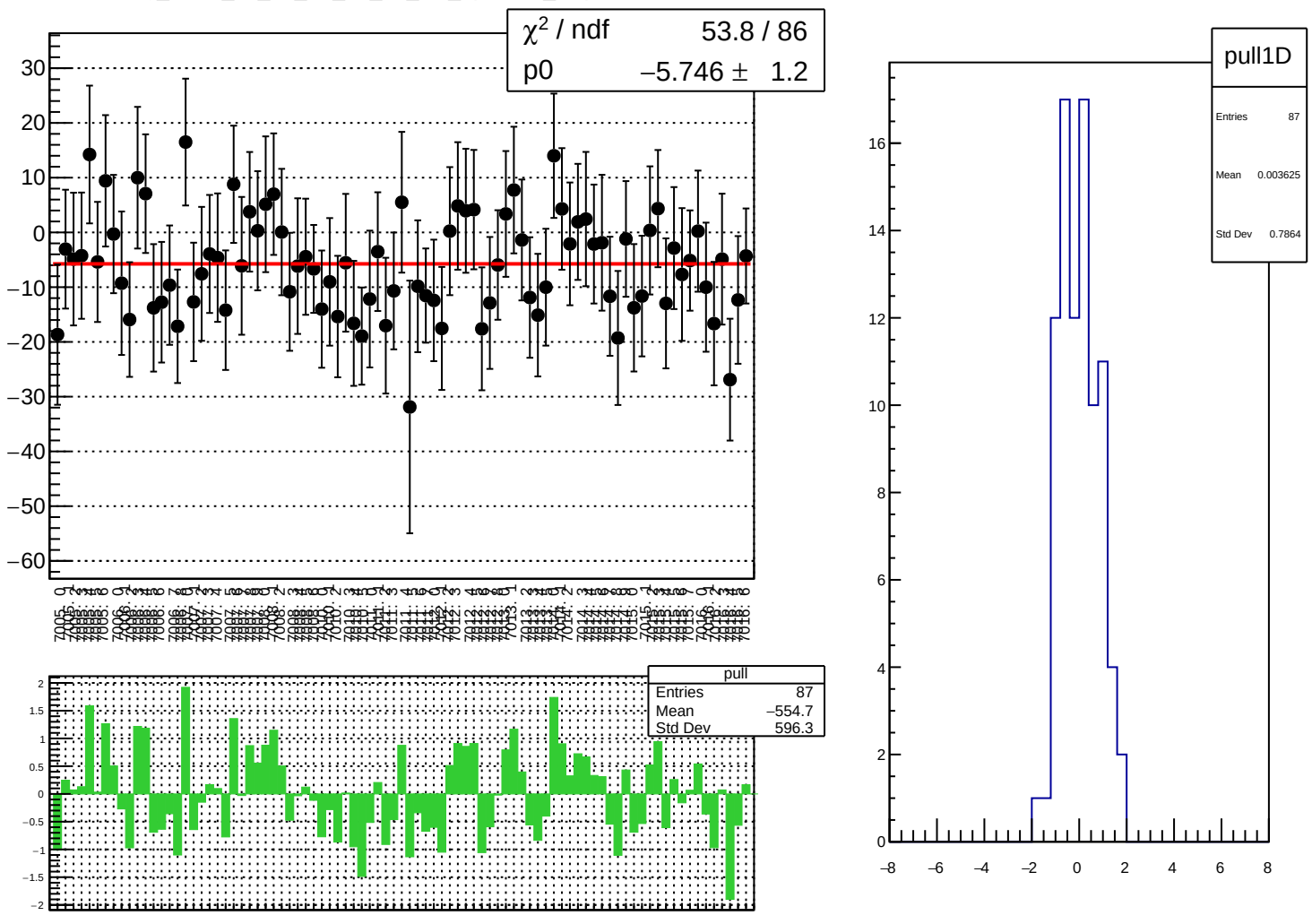

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.064 / 86
p0 −90.86 ± 3.831
pull
Entries 87
Mean 694.2
Std Dev 651.5
pull1D
Entries 87
Mean 0.005583
Std Dev 0.3227

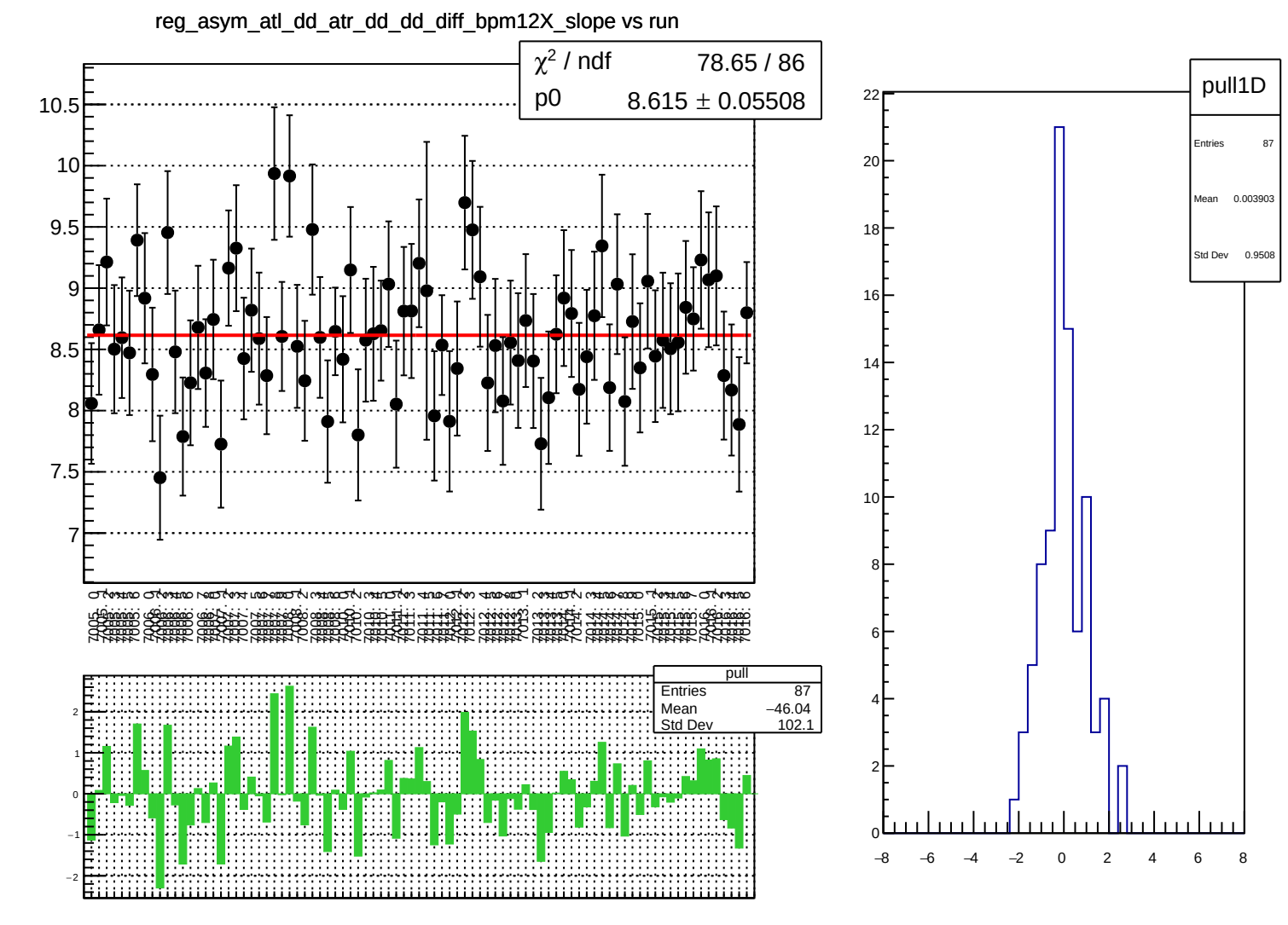

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.24 / 86
p0 129.7 ± 0.1761
pull
Entries 87
Mean 598.1
Std Dev 552.7
pull1D
Entries 87
Mean 0.004796
Std Dev 0.3901

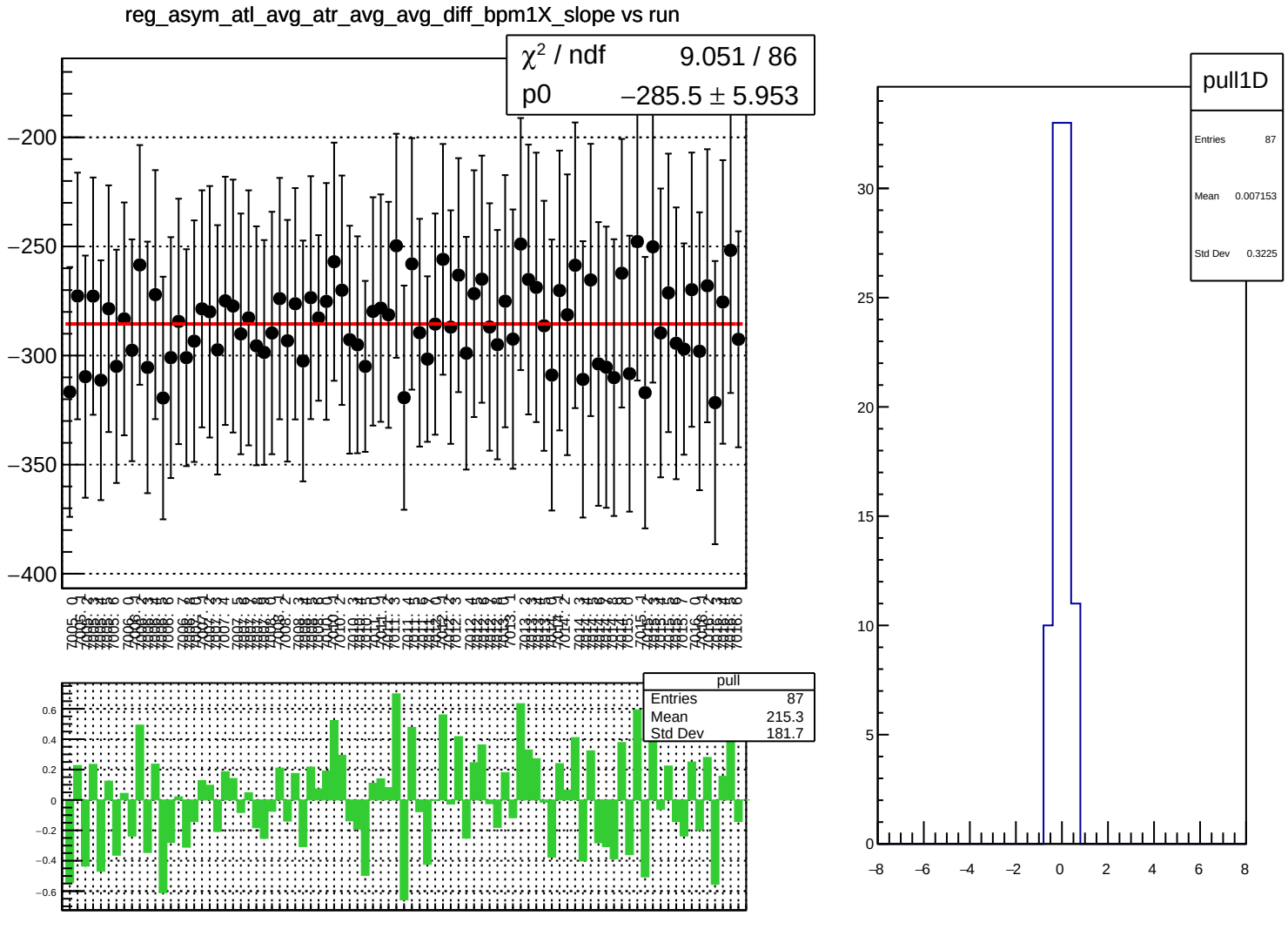

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 69.73 / 86
p0 29 ± 1.659
pull
Entries 87
Mean 521.9
Std Dev 450.9
pull1D
Entries 87
Mean 0.003736
Std Dev 0.8953

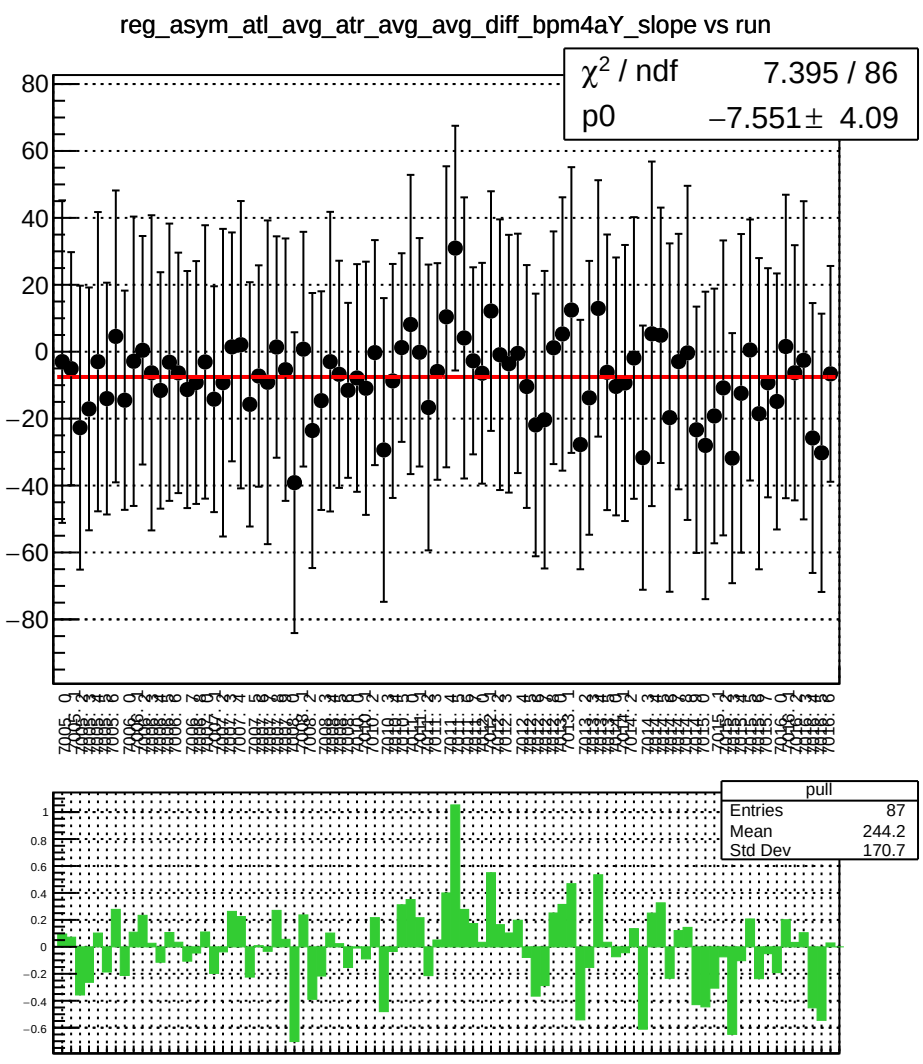

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.59 / 86
p0 1.789 ± 1.142
pull
Entries 87
Mean −258.8
Std Dev 303.5
pull1D
Entries 87
Mean −0.006301
Std Dev 0.8276

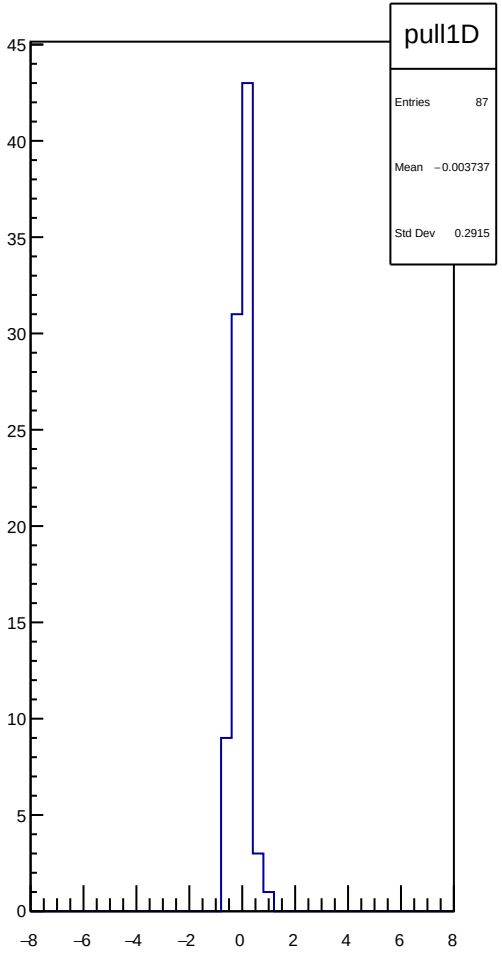

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.45 / 86
p0 38.95 ± 1.539
pull
Entries 87
Mean 1674
Std Dev 1609
pull1D
Entries 87
Mean −0.001371
Std Dev 0.887

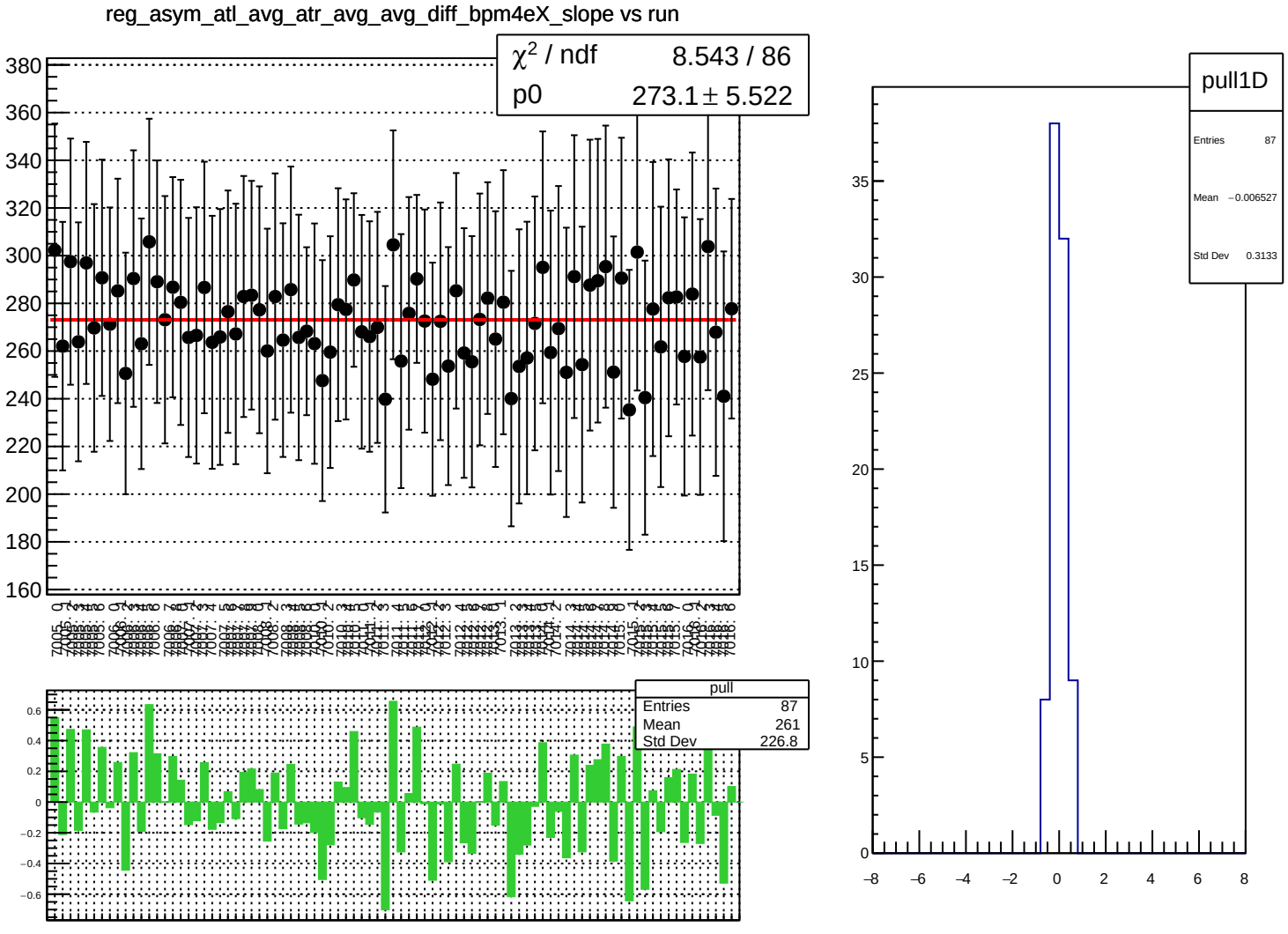

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.8 / 86
p0 −5.746 ± 1.2
pull
Entries 87
Mean −554.7
Std Dev 596.3
pull1D
Entries 87
Mean 0.003625
Std Dev 0.7864

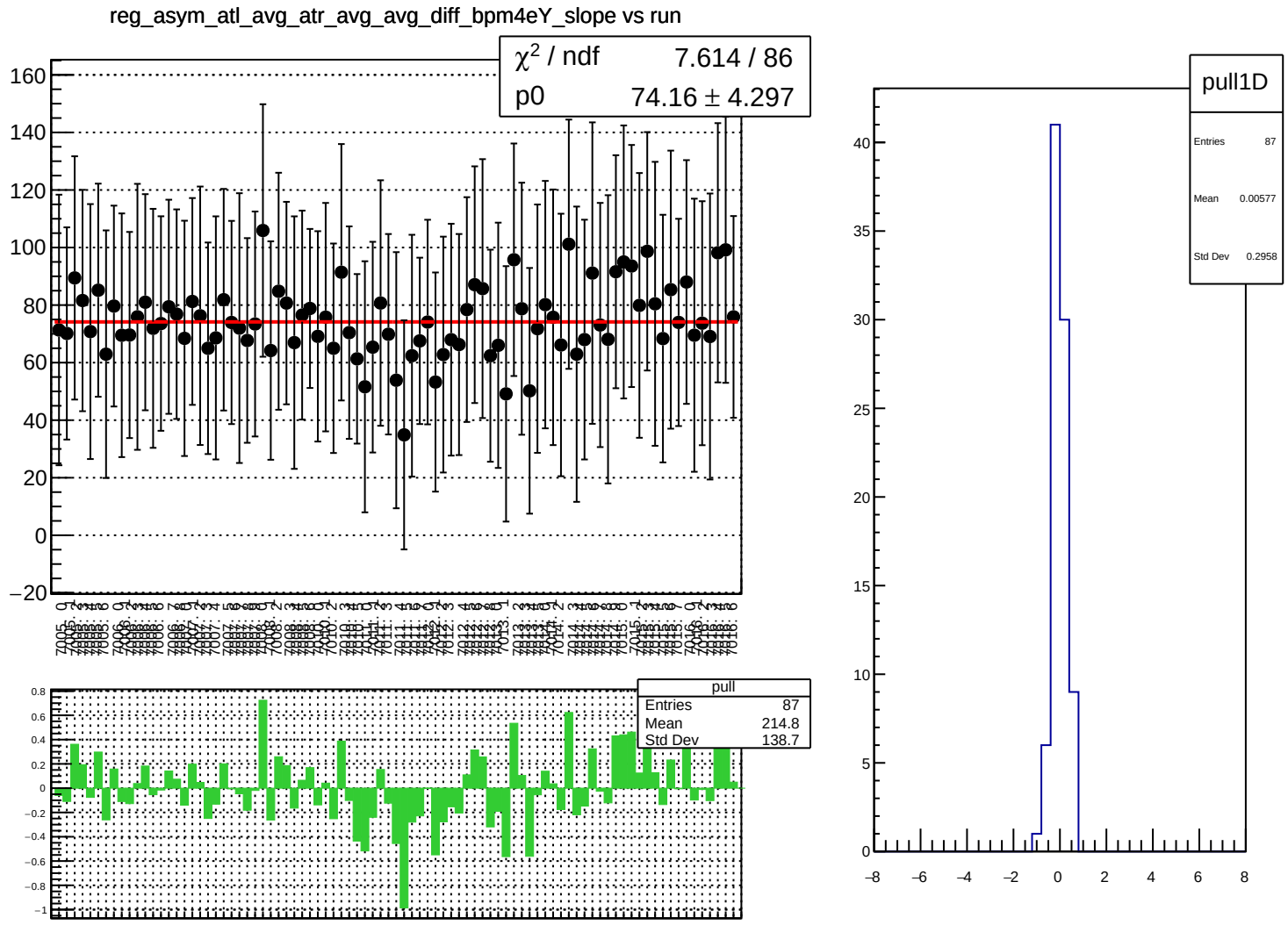

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 78.65 / 86
p0 8.615 ± 0.05508
pull
Entries 87
Mean −46.04
Std Dev 102.1
pull1D
Entries 87
Mean 0.003903
Std Dev 0.9508

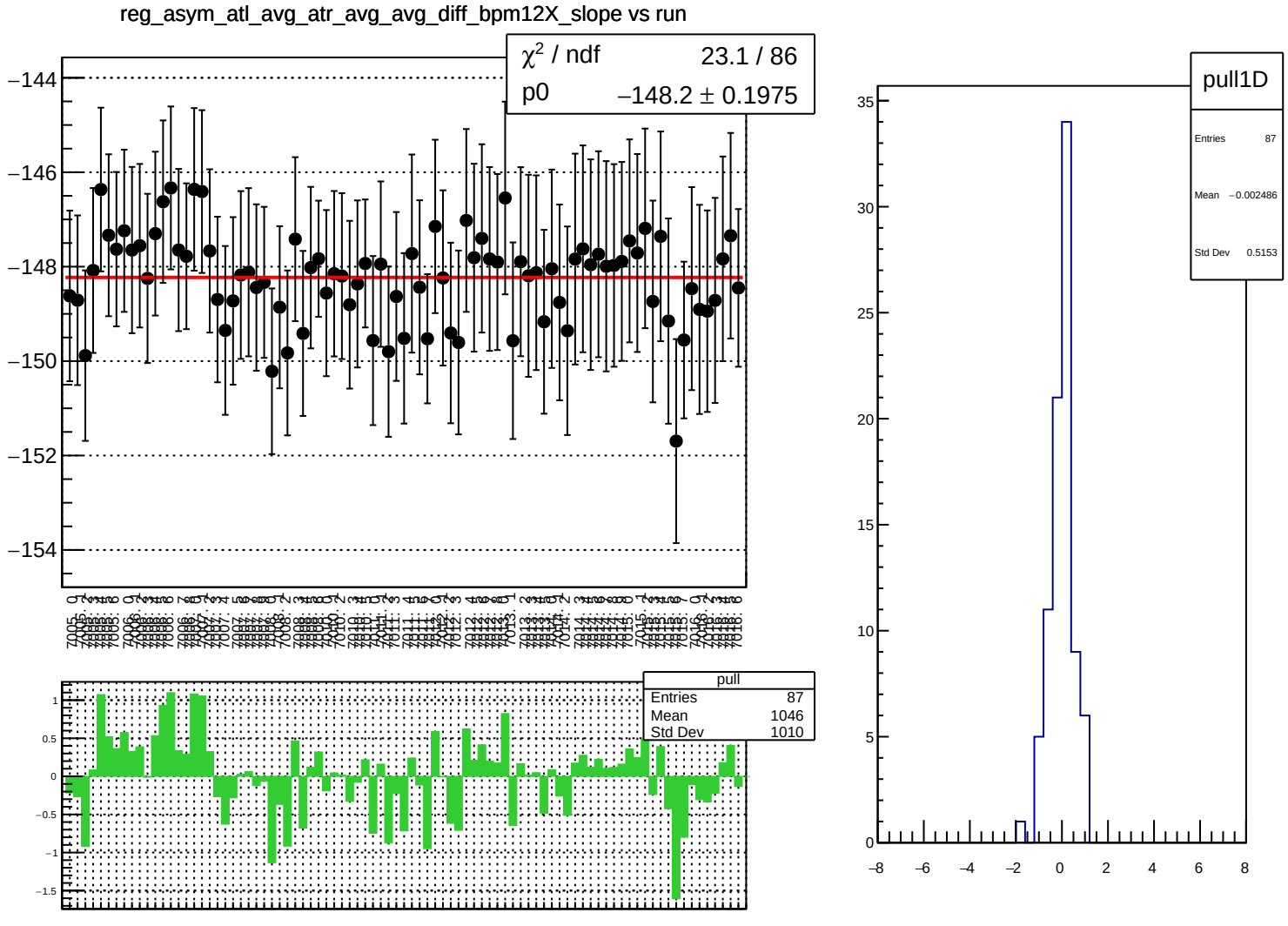

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 9.051 / 86
p0 −285.5 ± 5.953
−200
−250
−300
−350
−400
pull
Entries 87
Mean 215.3
Std Dev 181.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.007153
Std Dev 0.3225
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

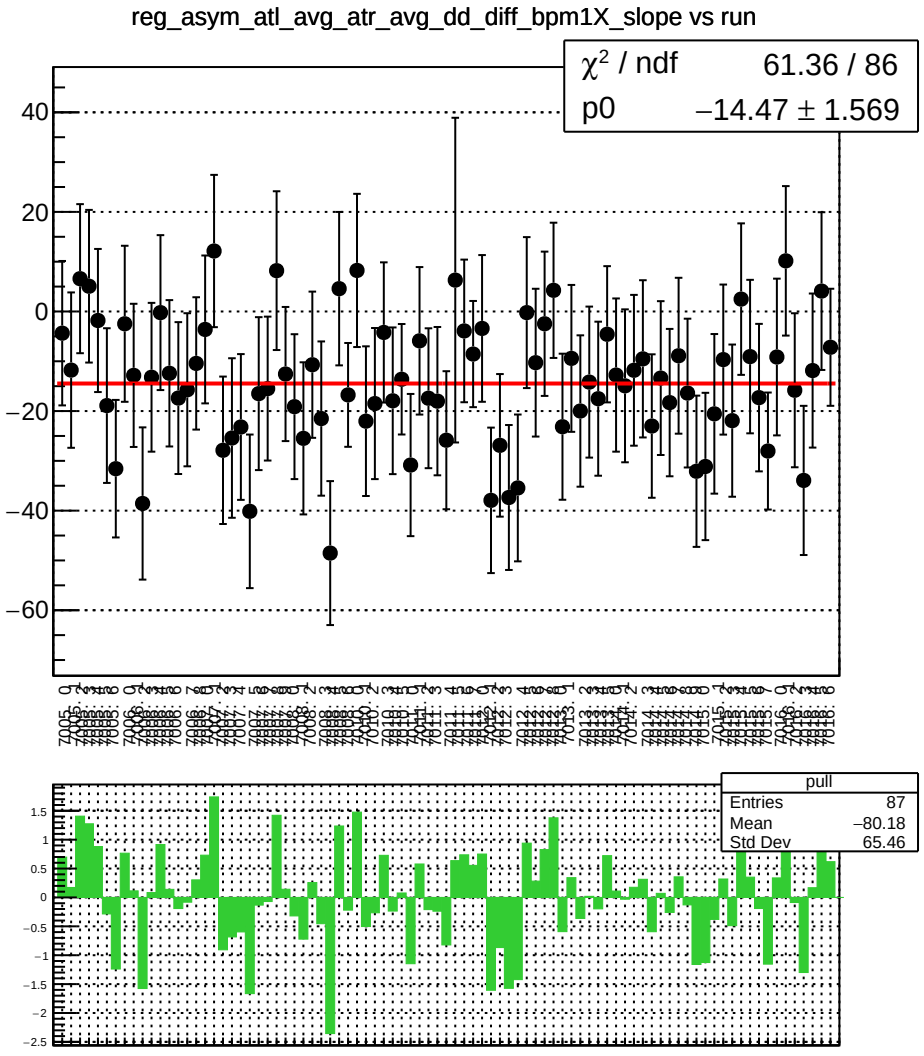

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.395 / 86
p0 −7.551 ± 4.09
pull
Entries 87
Mean 244.2
Std Dev 170.7

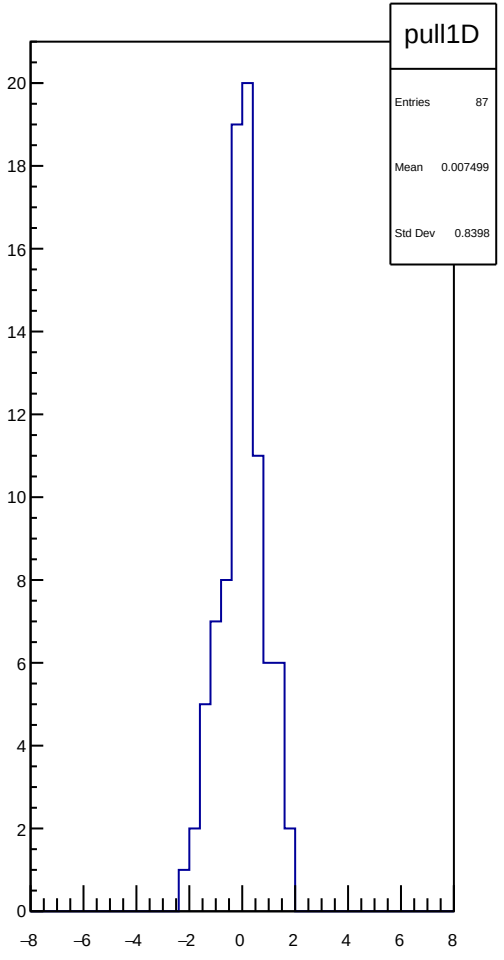

pull1D
Entries 87
Mean −0.003737
Std Dev 0.2915

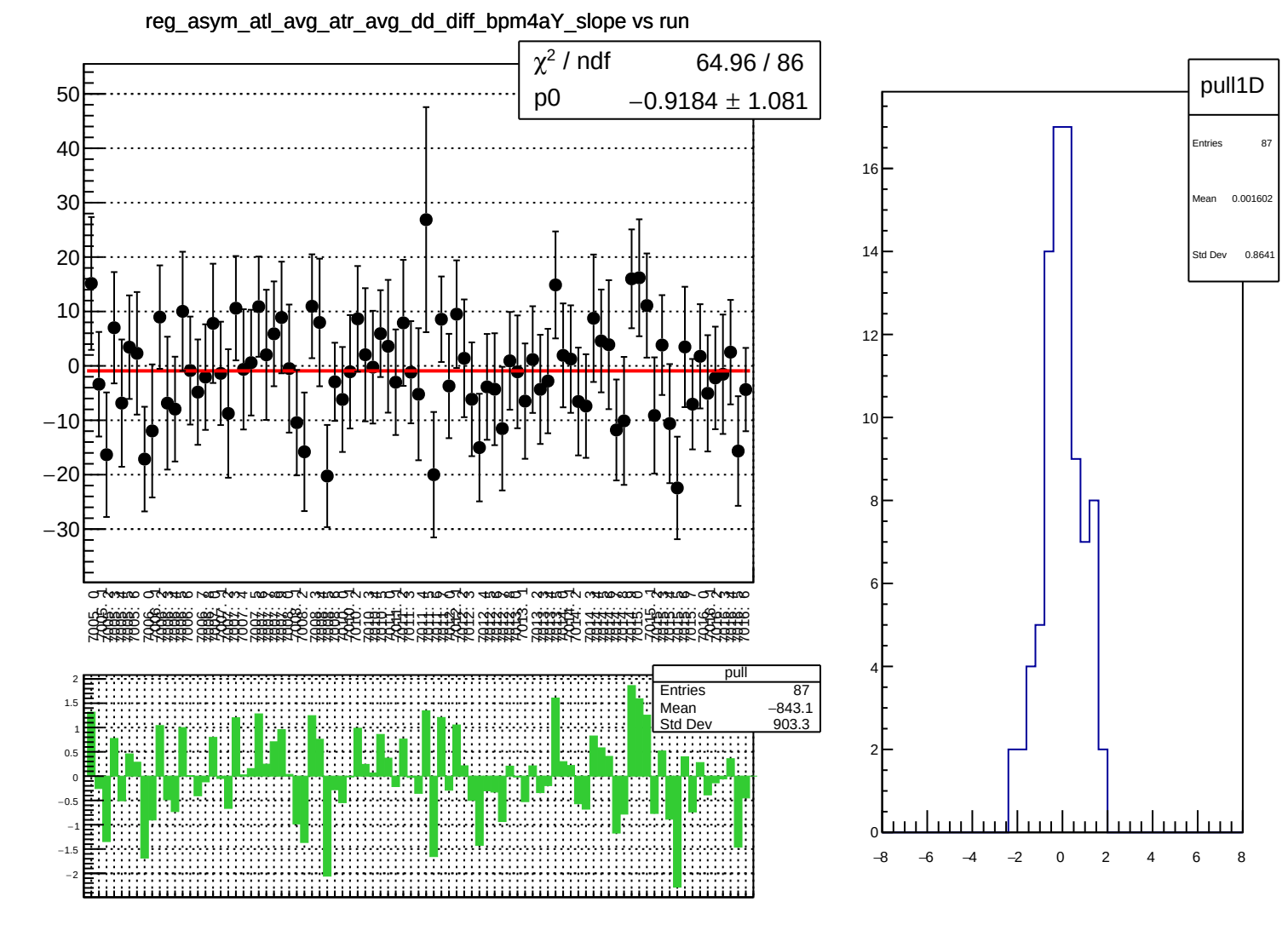

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.543 / 86
p0 273.1 ± 5.522
pull
Entries 87
Mean 261
Std Dev 226.8
pull1D
Entries 87
Mean −0.006527
Std Dev 0.3133

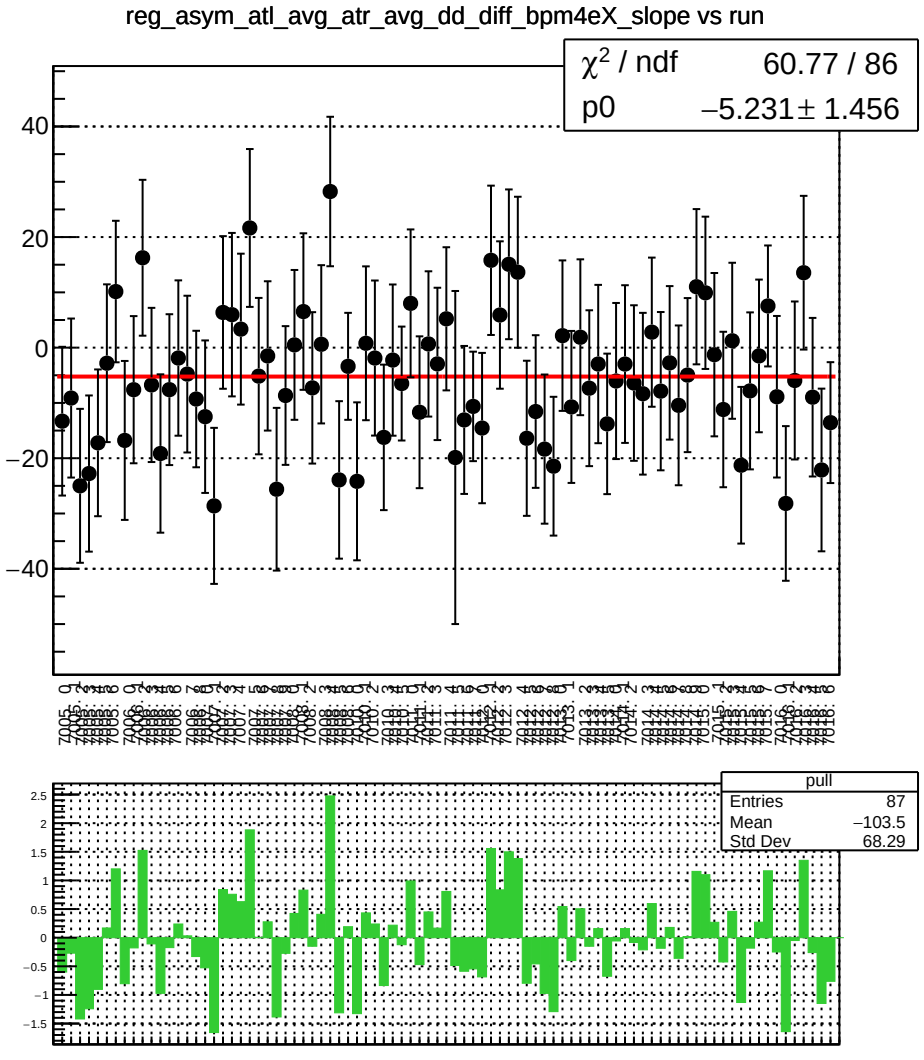

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.614 / 86
p0 74.16 ± 4.297
pull
Entries 87
Mean 214.8
Std Dev 138.7
pull1D
Entries 87
Mean 0.00577
Std Dev 0.2958

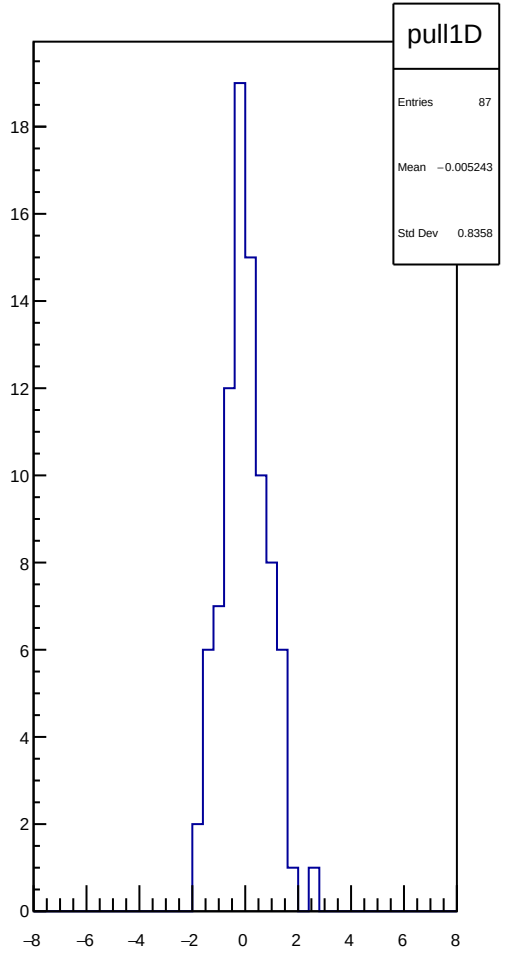

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 23.1 / 86
p0 −148.2 ± 0.1975
−144
−146
−148
−150
−152
−154
pull
Entries 87
Mean 1046
Std Dev 1010
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.002486
Std Dev 0.5153
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

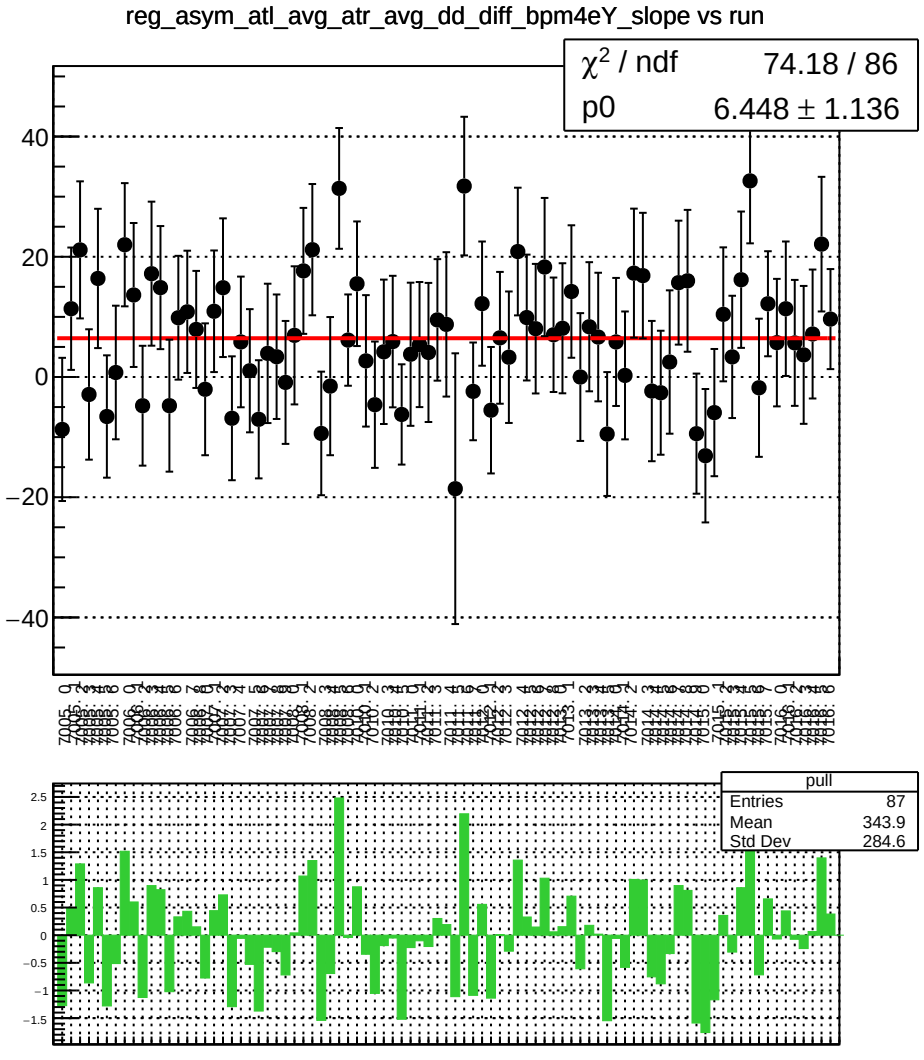

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 61.36 / 86
p0 −14.47 ± 1.569
pull
Entries 87
Mean −80.18
Std Dev 65.46

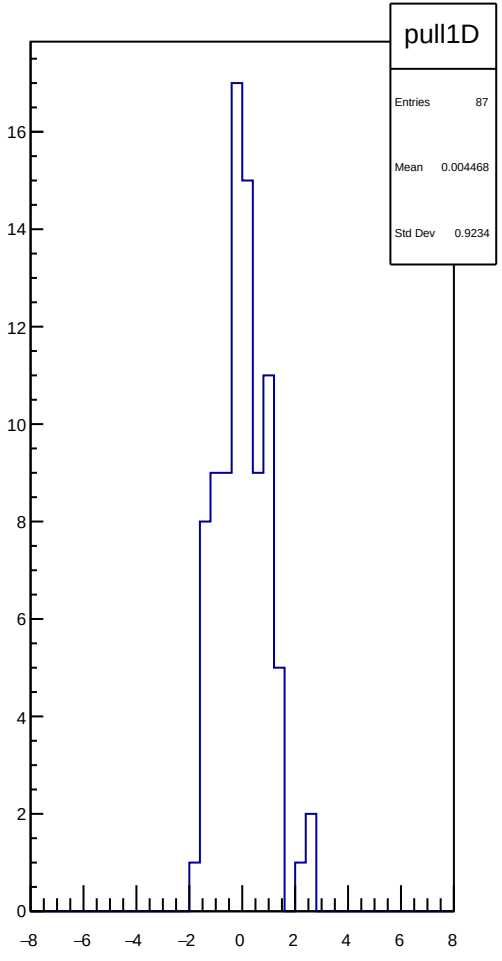

pull1D
Entries 87
Mean 0.007499
Std Dev 0.8398

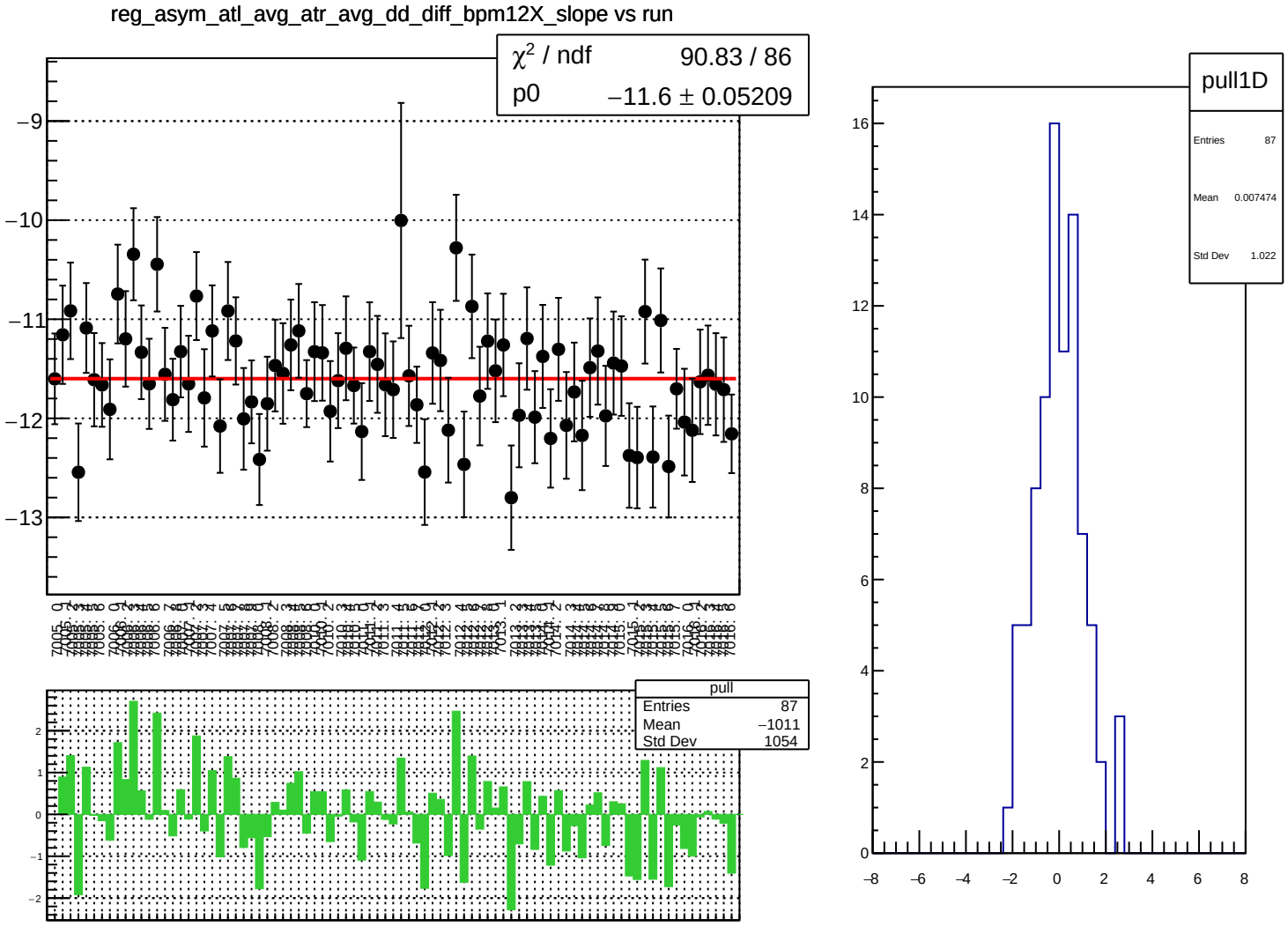

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.96 / 86
p0 −0.9184 ± 1.081
pull
Entries 87
Mean −843.1
Std Dev 903.3
pull1D
Entries 87
Mean 0.001602
Std Dev 0.8641

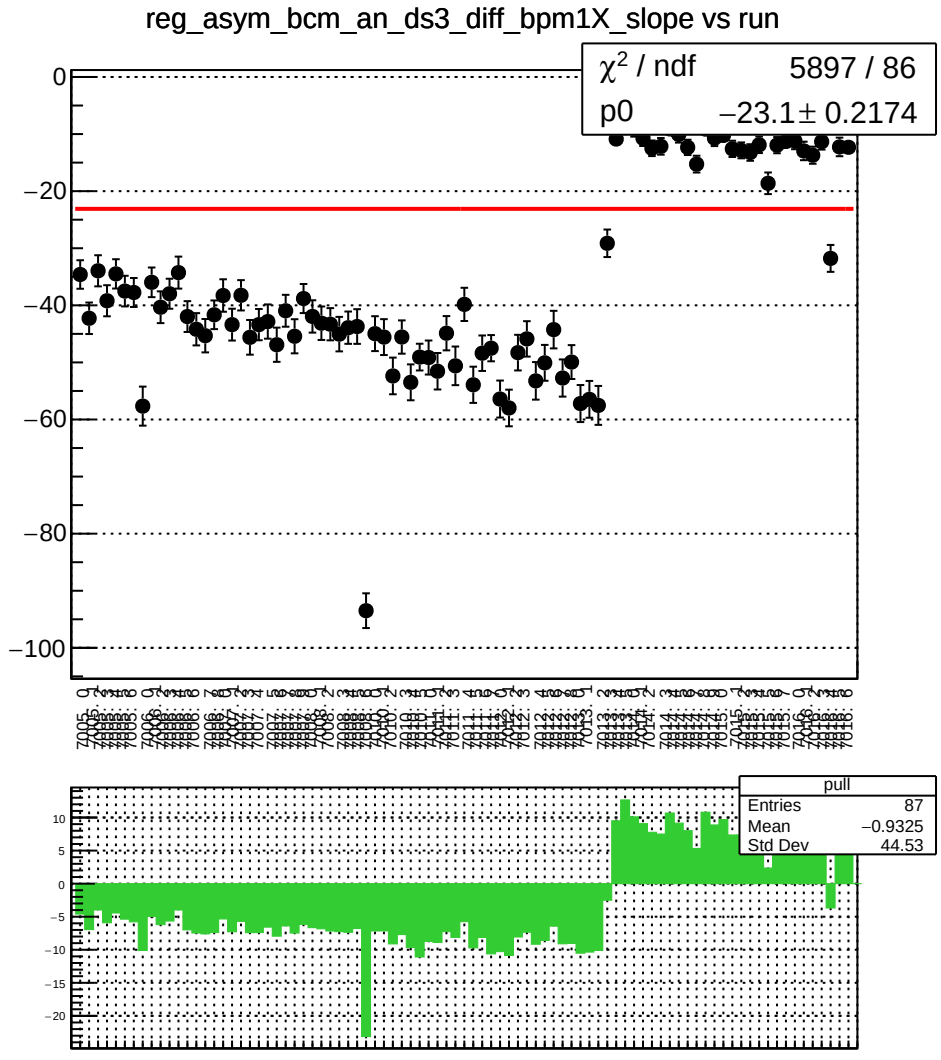

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.77 / 86
p0 −5.231 ± 1.456
pull
Entries 87
Mean −103.5
Std Dev 68.29

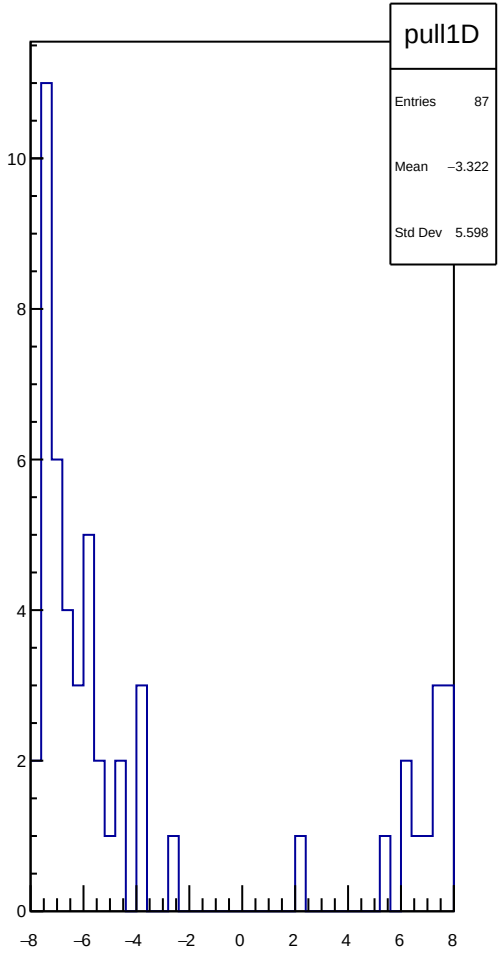

pull1D
Entries 87
Mean −0.005243
Std Dev 0.8358

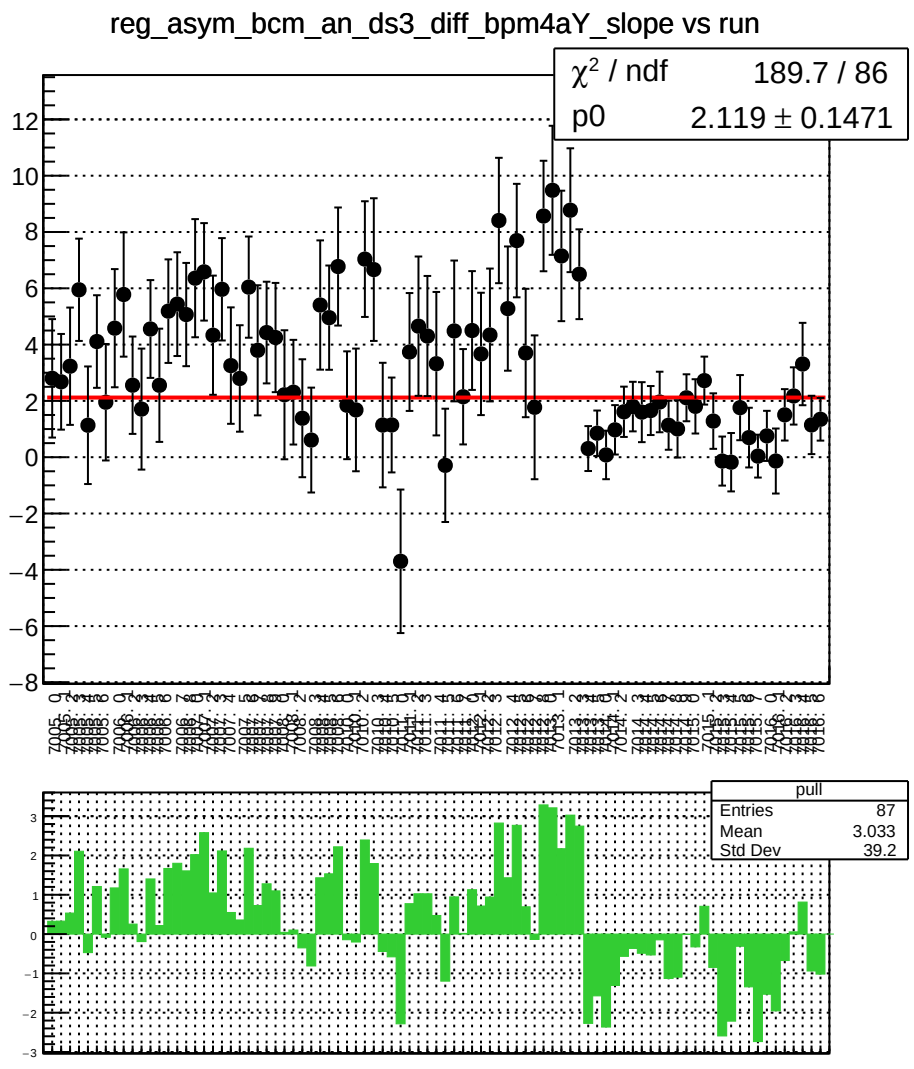

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.18 / 86
p0 6.448 ± 1.136
40
20
0
−20
−40
pull
Entries 87
Mean 343.9
Std Dev 284.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

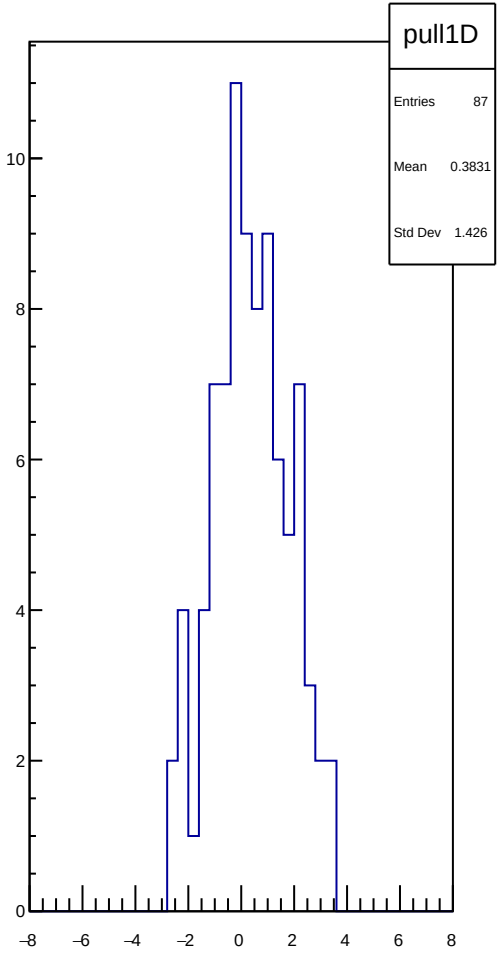

pull1D
Entries 87
Mean 0.004468
Std Dev 0.9234
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

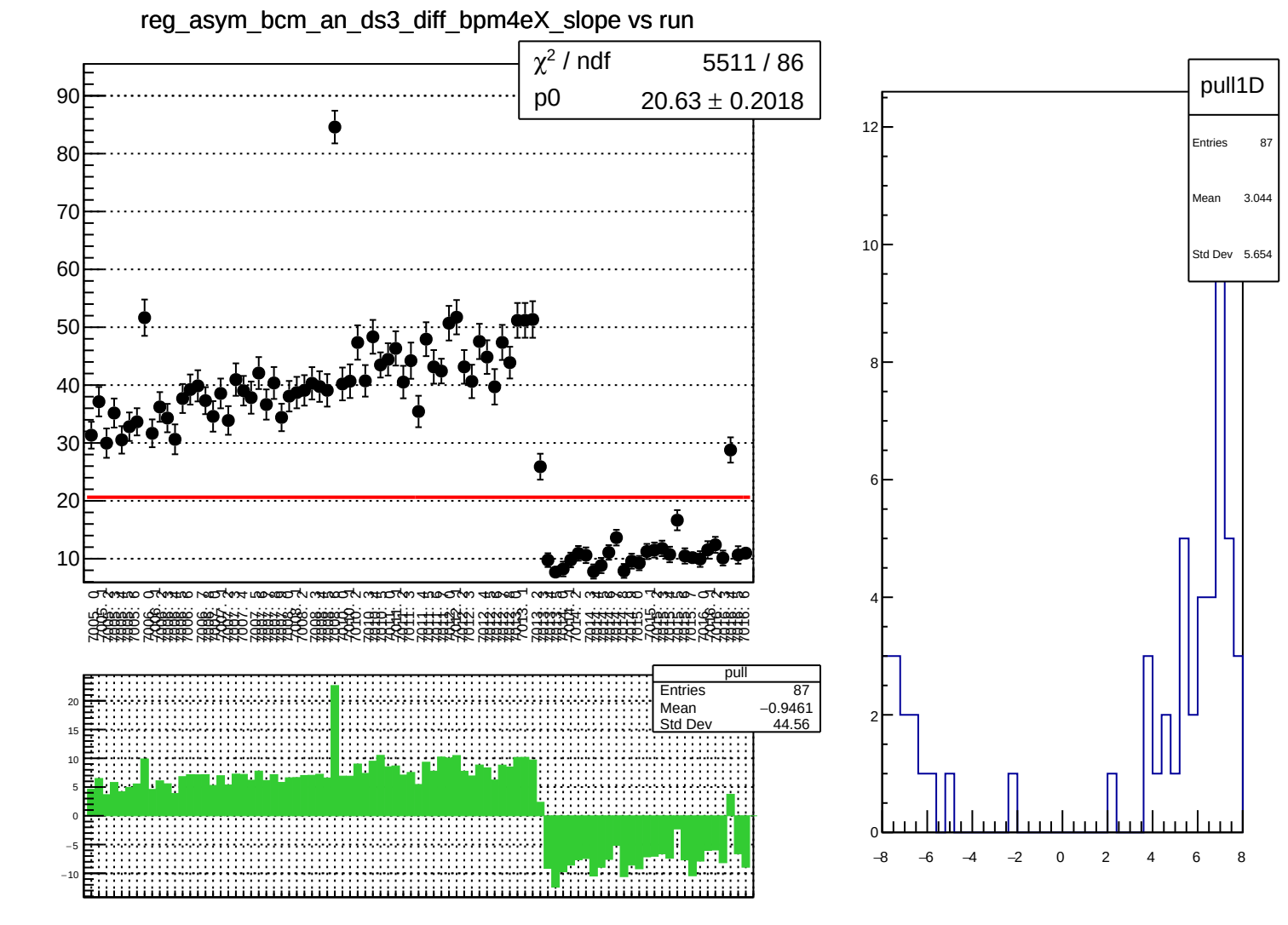

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 90.83 / 86
p0 −11.6 ± 0.05209
−9
−10
−11
−12
−13
pull
Entries 87
Mean −1011
Std Dev 1054
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.007474
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

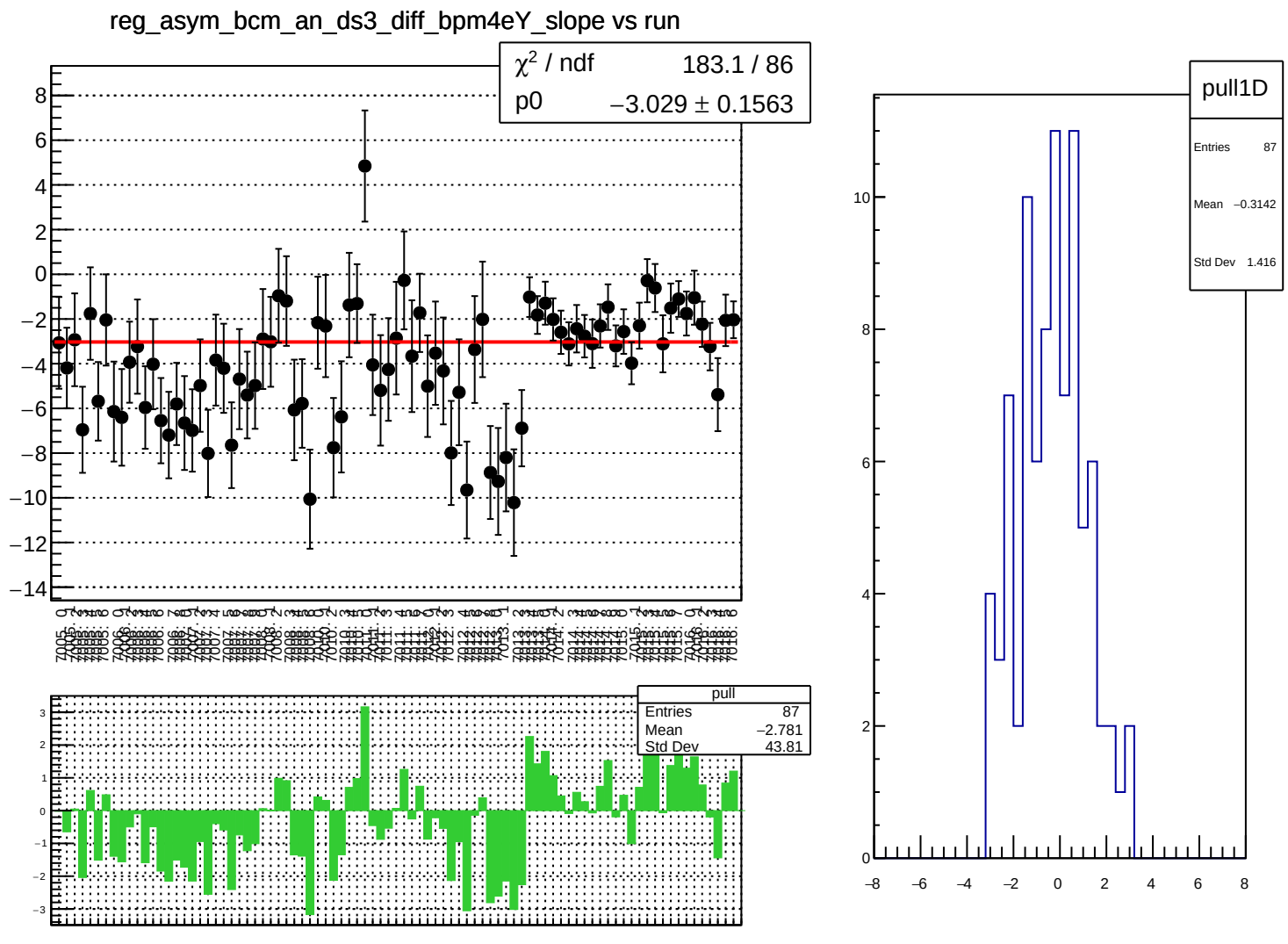

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 5897 / 86
p0 −23.1 ± 0.2174
pull
Entries 87
Mean −0.9325
Std Dev 44.53

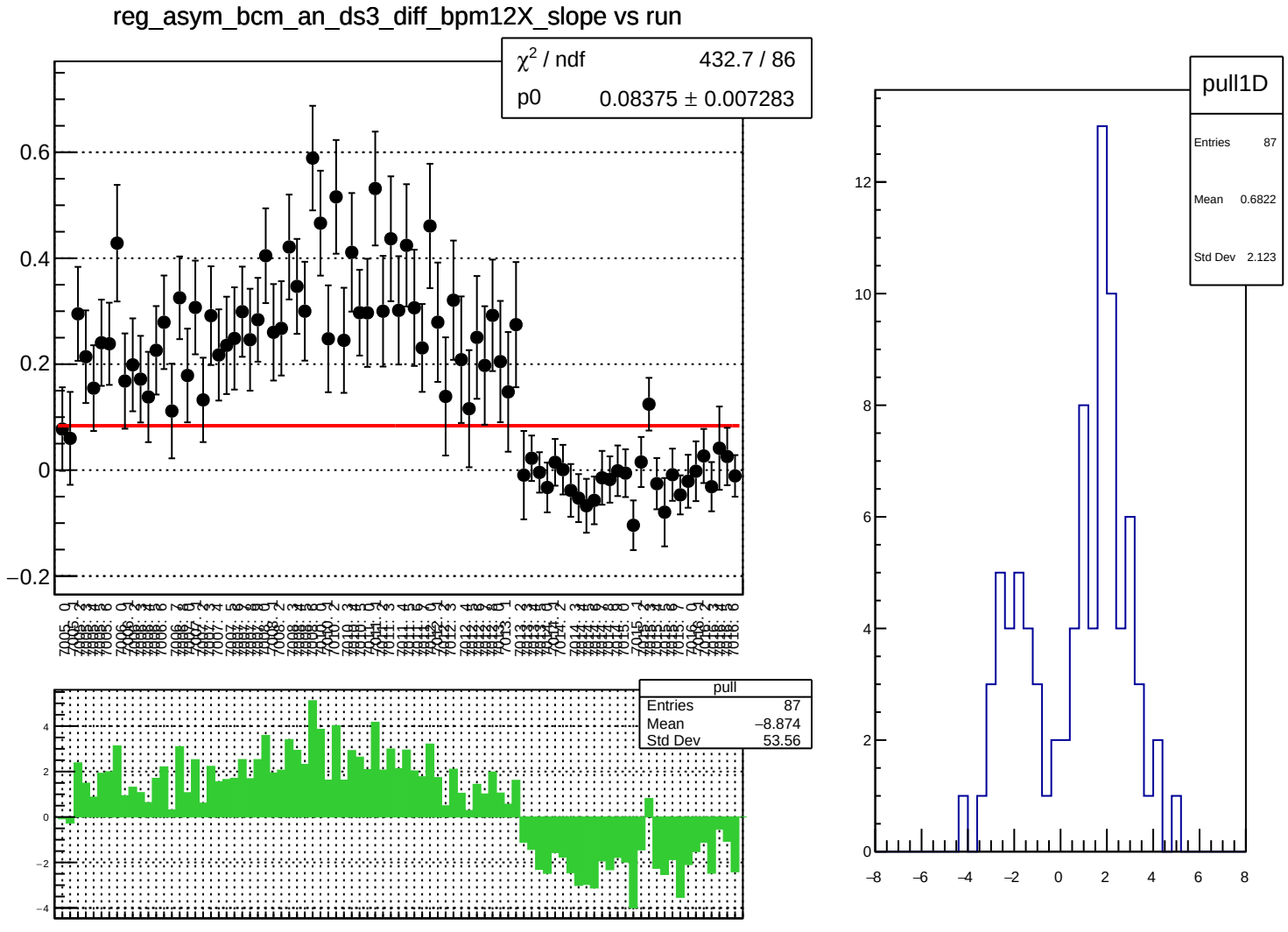

pull1D
Entries 87
Mean −3.322
Std Dev 5.598

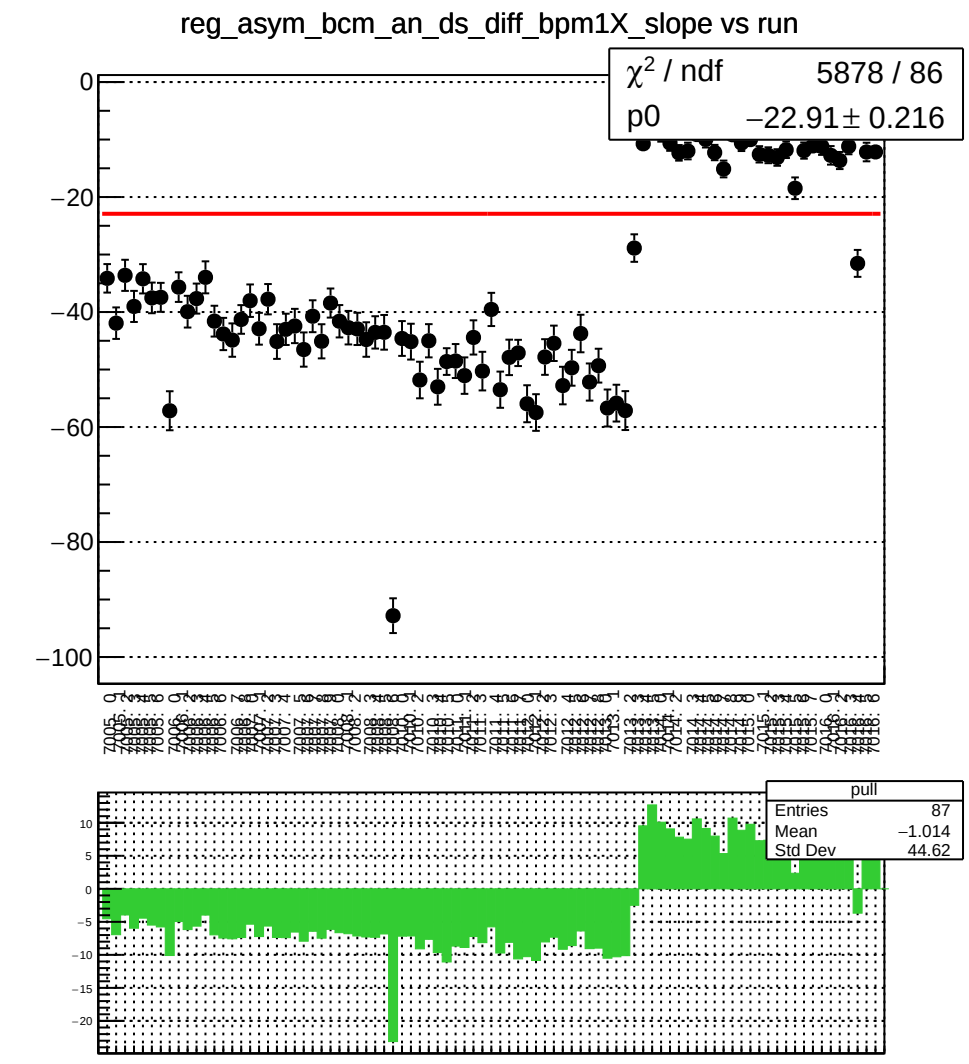

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 189.7 / 86
p0 2.119 ± 0.1471
pull
Entries 87
Mean 3.033
Std Dev 39.2

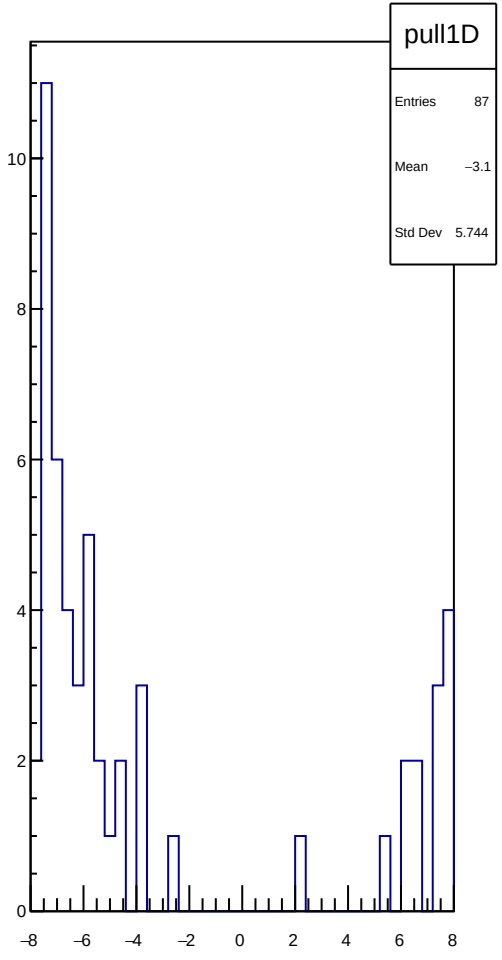

pull1D
Entries 87
Mean 0.3831
Std Dev 1.426

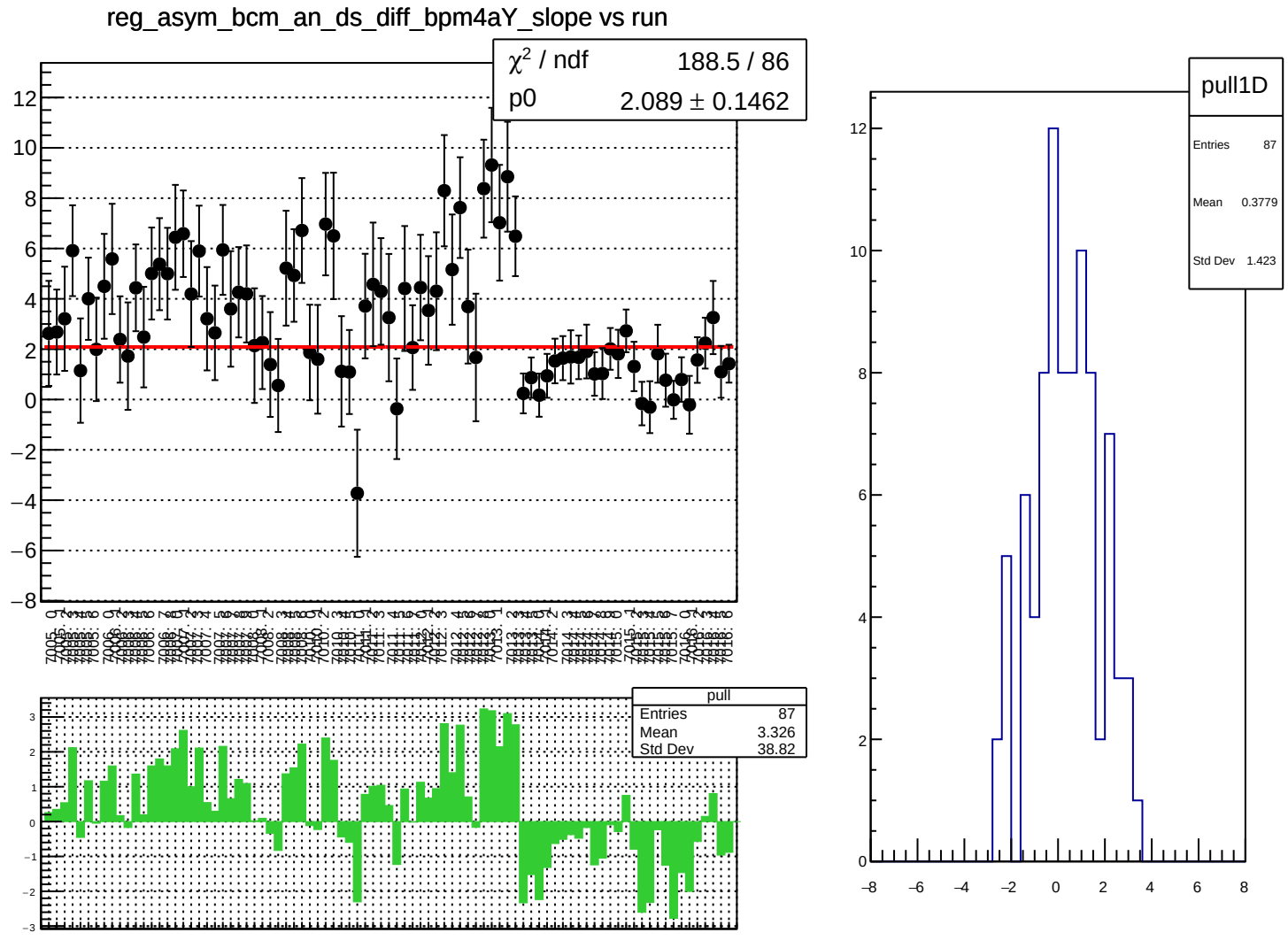

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 5511 / 86
p0 20.63 ± 0.2018
pull
Entries 87
Mean −0.9461
Std Dev 44.56
pull1D
Entries 87
Mean 3.044
Std Dev 5.654

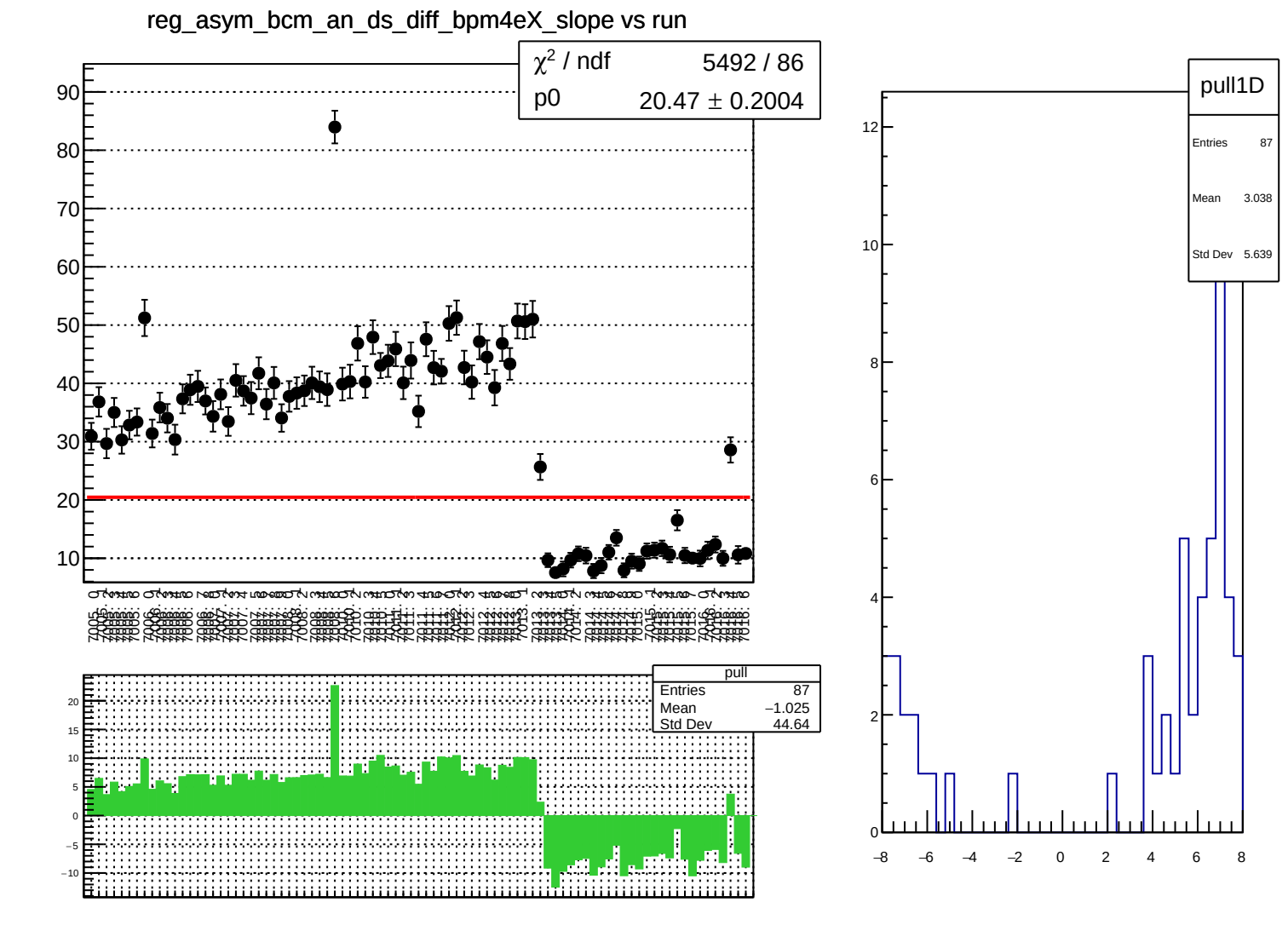

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 183.1 / 86
p0 −3.029 ± 0.1563
pull
Entries 87
Mean −2.781
Std Dev 43.81
pull1D
Entries 87
Mean −0.3142
Std Dev 1.416

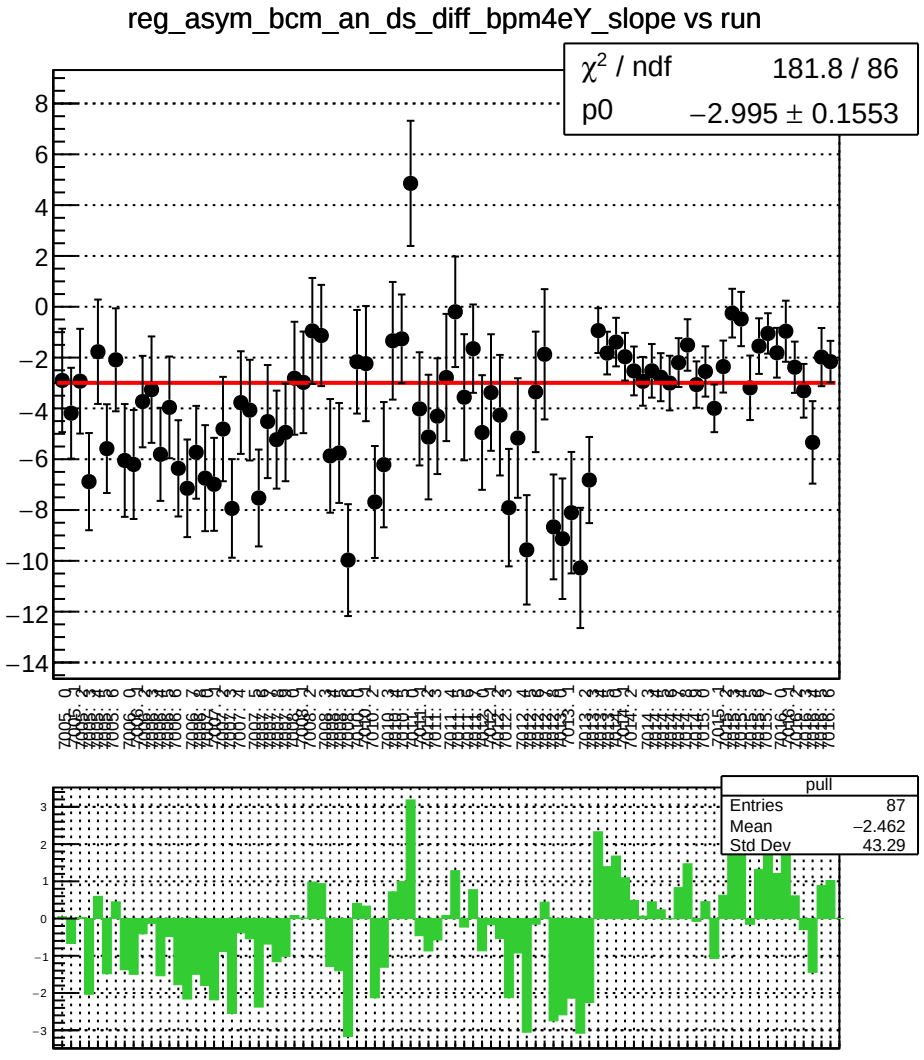

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 432.7 / 86
p0 0.08375 ± 0.007283
pull
Entries 87
Mean −8.874
Std Dev 53.56
pull1D
Entries 87
Mean 0.6822
Std Dev 2.123

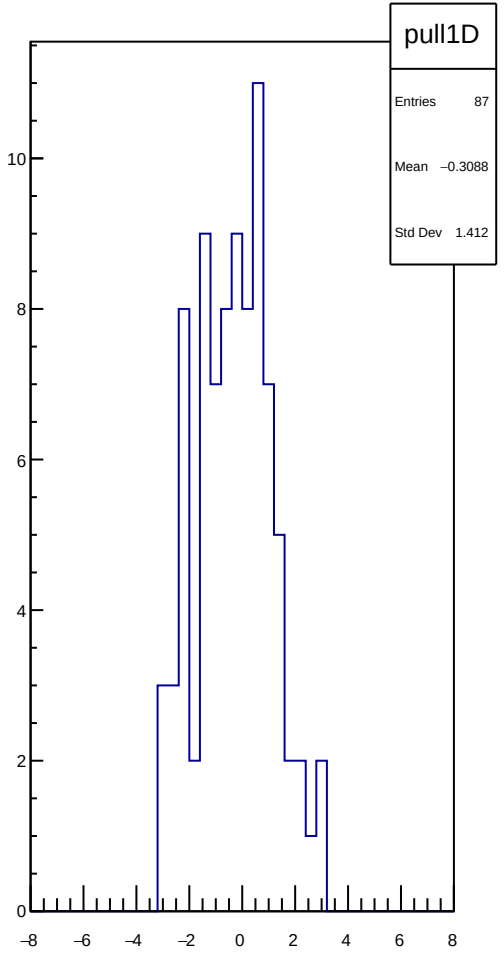

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 5878 / 86
p0 −22.91 ± 0.216
pull
Entries 87
Mean −1.014
Std Dev 44.62

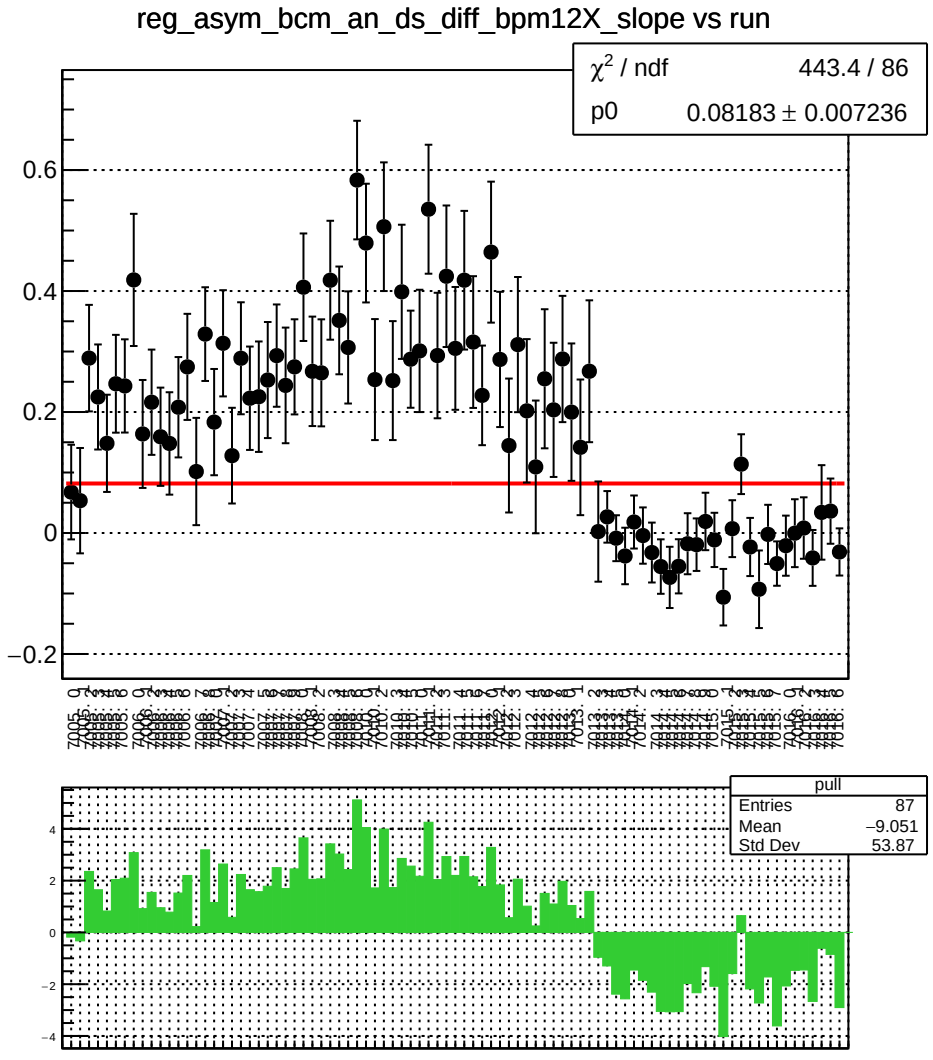

pull1D
Entries 87
Mean −3.1
Std Dev 5.744

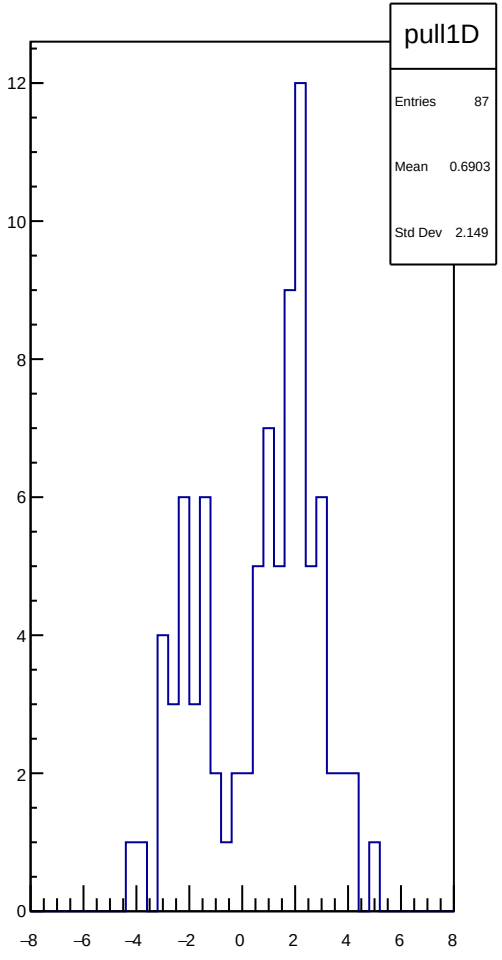

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 188.5 / 86
p0 2.089 ± 0.1462
pull
Entries 87
Mean 3.326
Std Dev 38.82
pull1D
Entries 87
Mean 0.3779
Std Dev 1.423

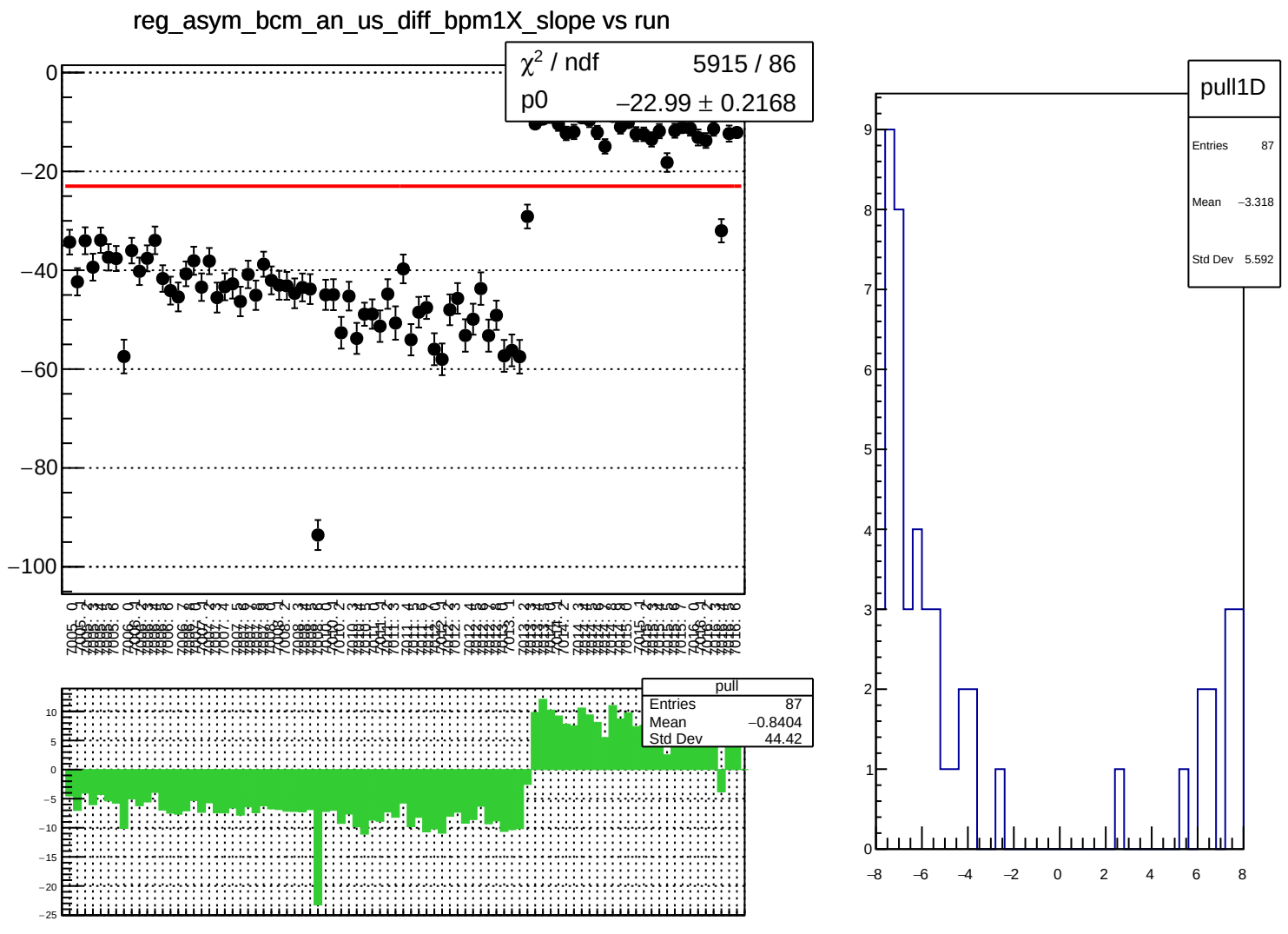

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 5492 / 86
p0 20.47 ± 0.2004
pull
Entries 87
Mean −1.025
Std Dev 44.64
pull1D
Entries 87
Mean 3.038
Std Dev 5.639

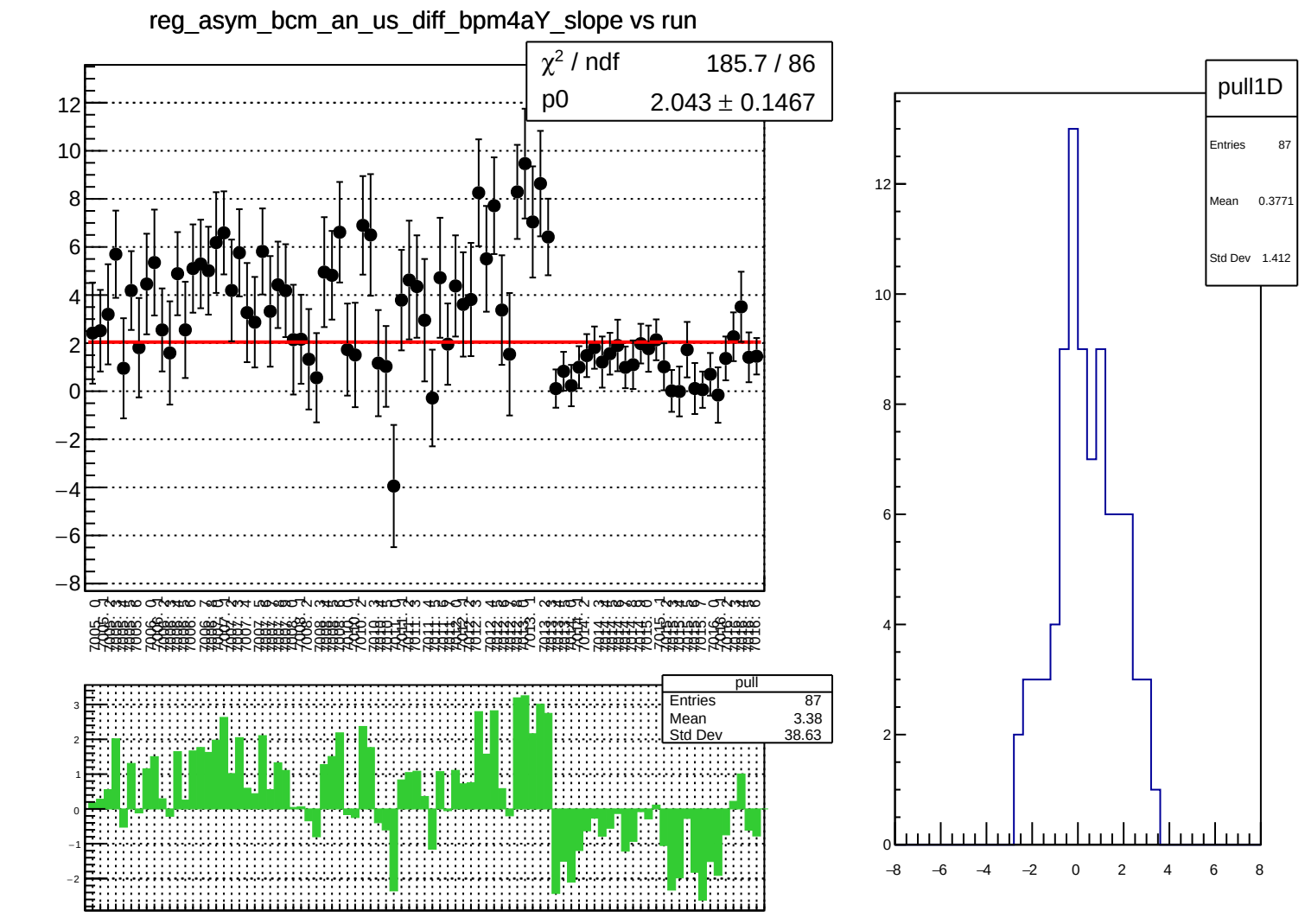

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 181.8 / 86
p0 −2.995 ± 0.1553
pull
Entries 87
Mean −2.462
Std Dev 43.29

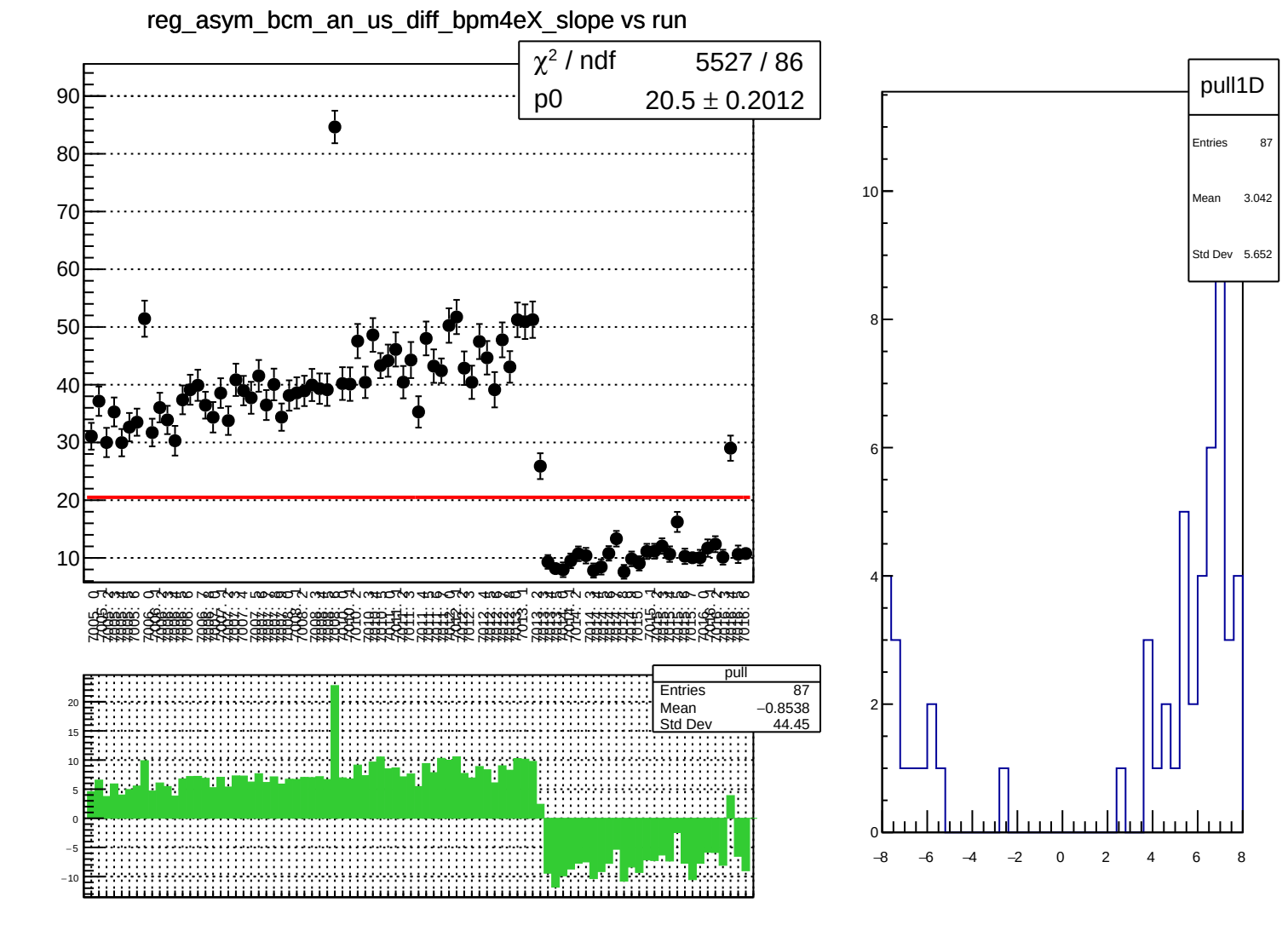

pull1D
Entries 87
Mean −0.3088
Std Dev 1.412

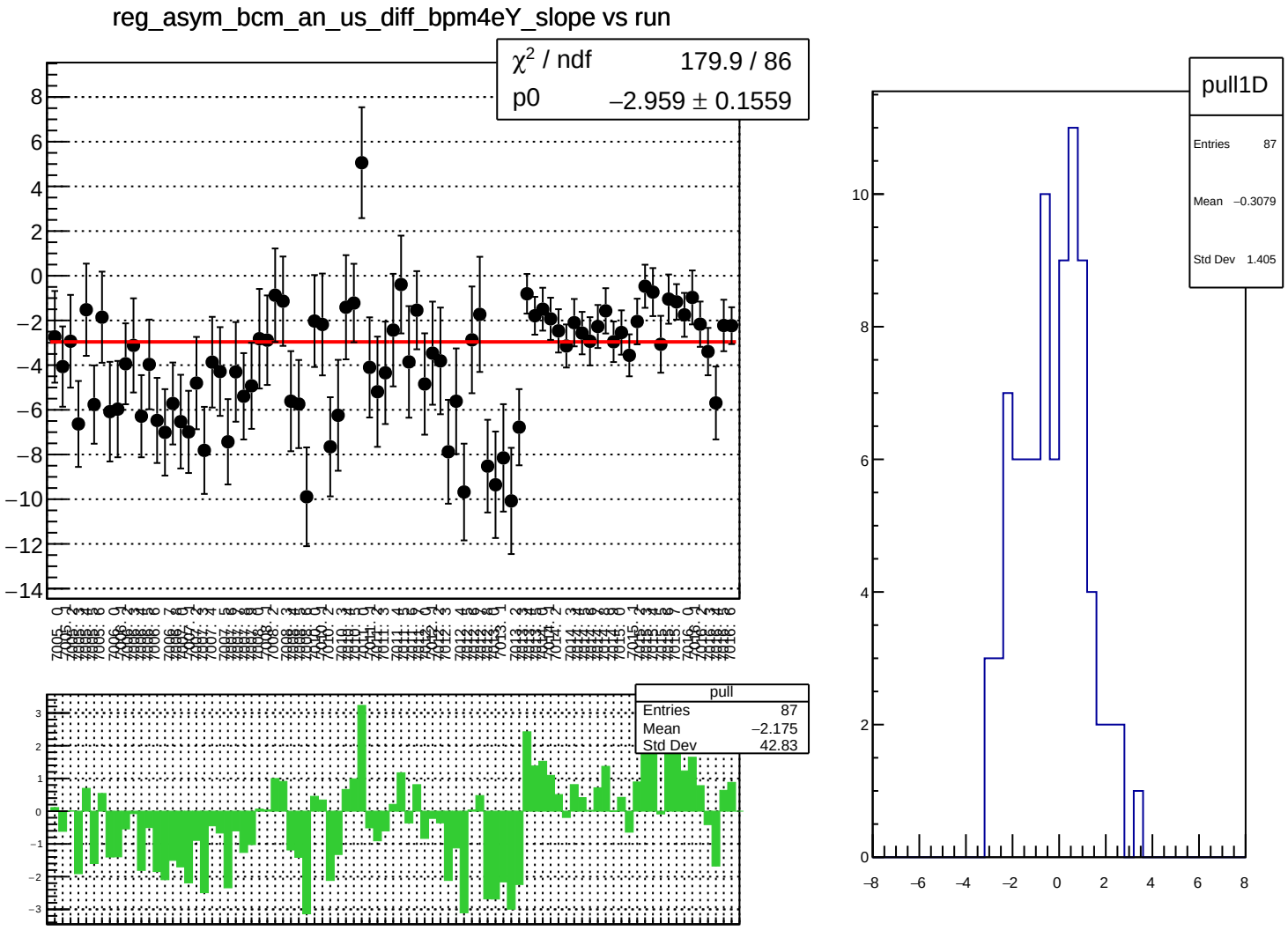

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 443.4 / 86
p0 0.08183 ± 0.007236
pull
Entries 87
Mean −9.051
Std Dev 53.87

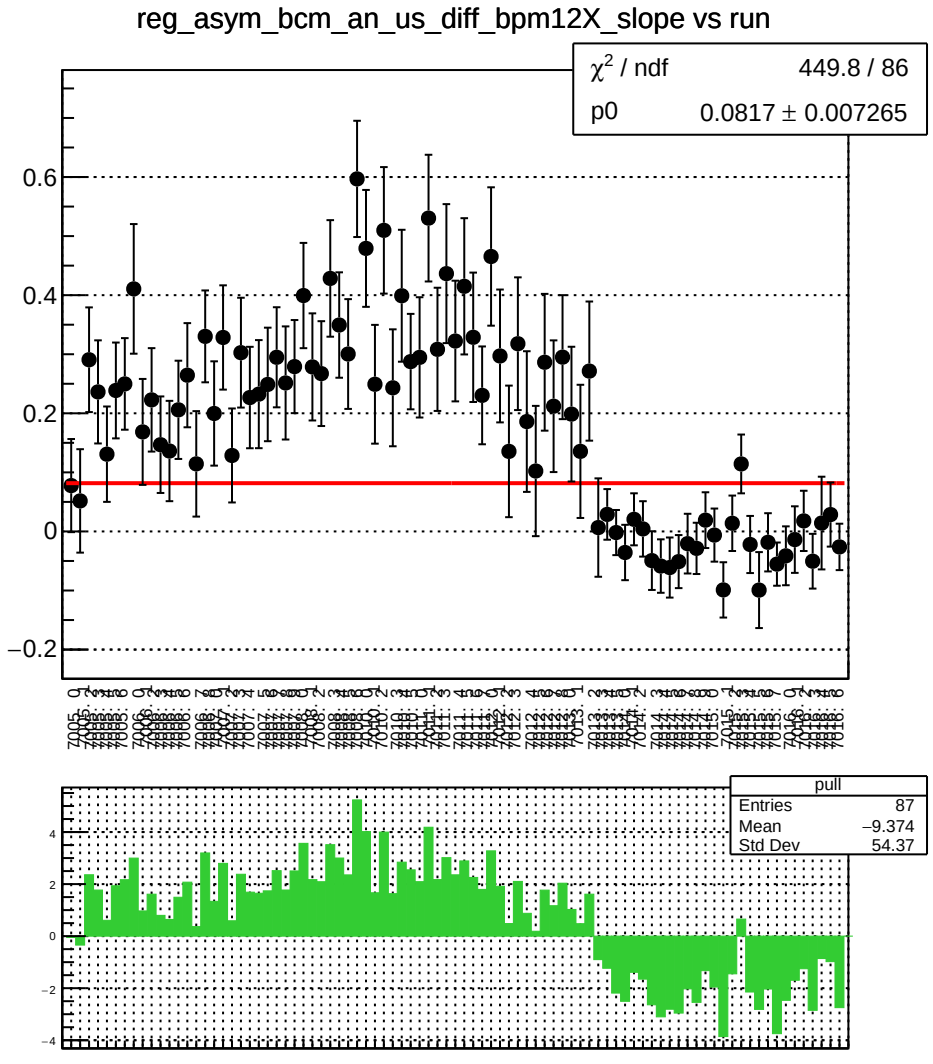

pull1D
Entries 87
Mean 0.6903
Std Dev 2.149

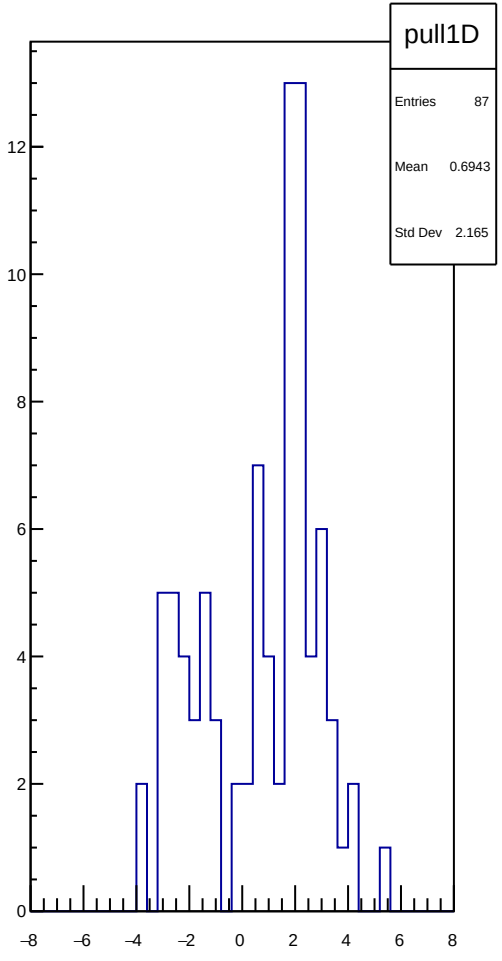

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 5915 / 86
p0 −22.99 ± 0.2168
pull
Entries 87
Mean −0.8404
Std Dev 44.42
pull1D
Entries 87
Mean −3.318
Std Dev 5.592

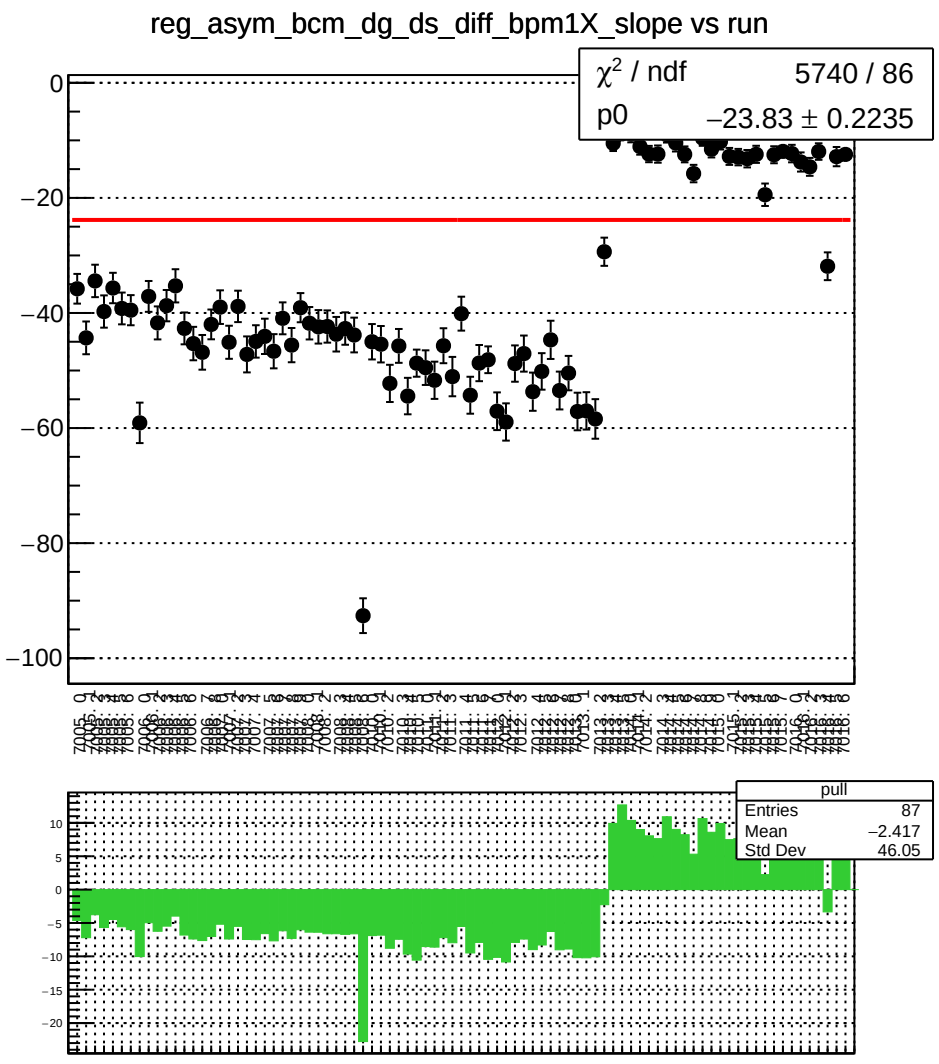

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 185.7 / 86
p0 2.043 ± 0.1467
pull
Entries 87
Mean 3.38
Std Dev 38.63
pull1D
Entries 87
Mean 0.3771
Std Dev 1.412

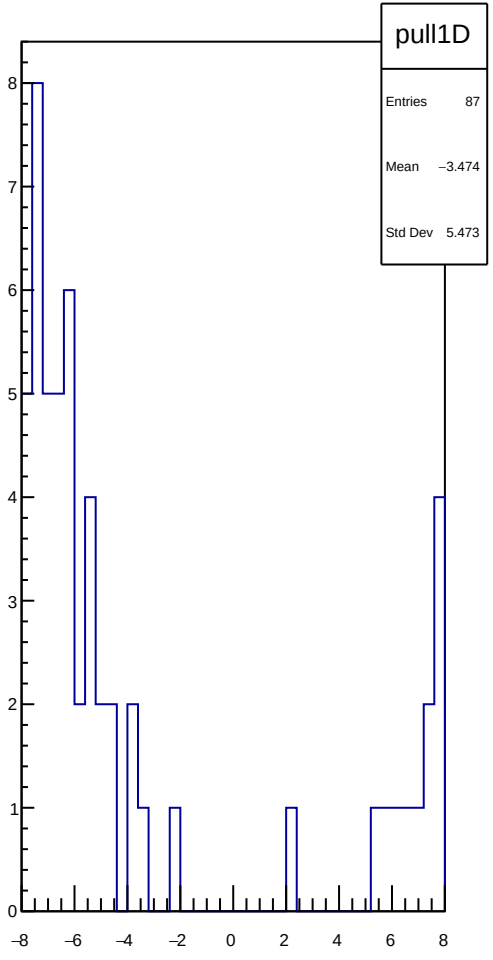

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 5527 / 86
p0 20.5 ± 0.2012
pull
Entries 87
Mean −0.8538
Std Dev 44.45
pull1D
Entries 87
Mean 3.042
Std Dev 5.652

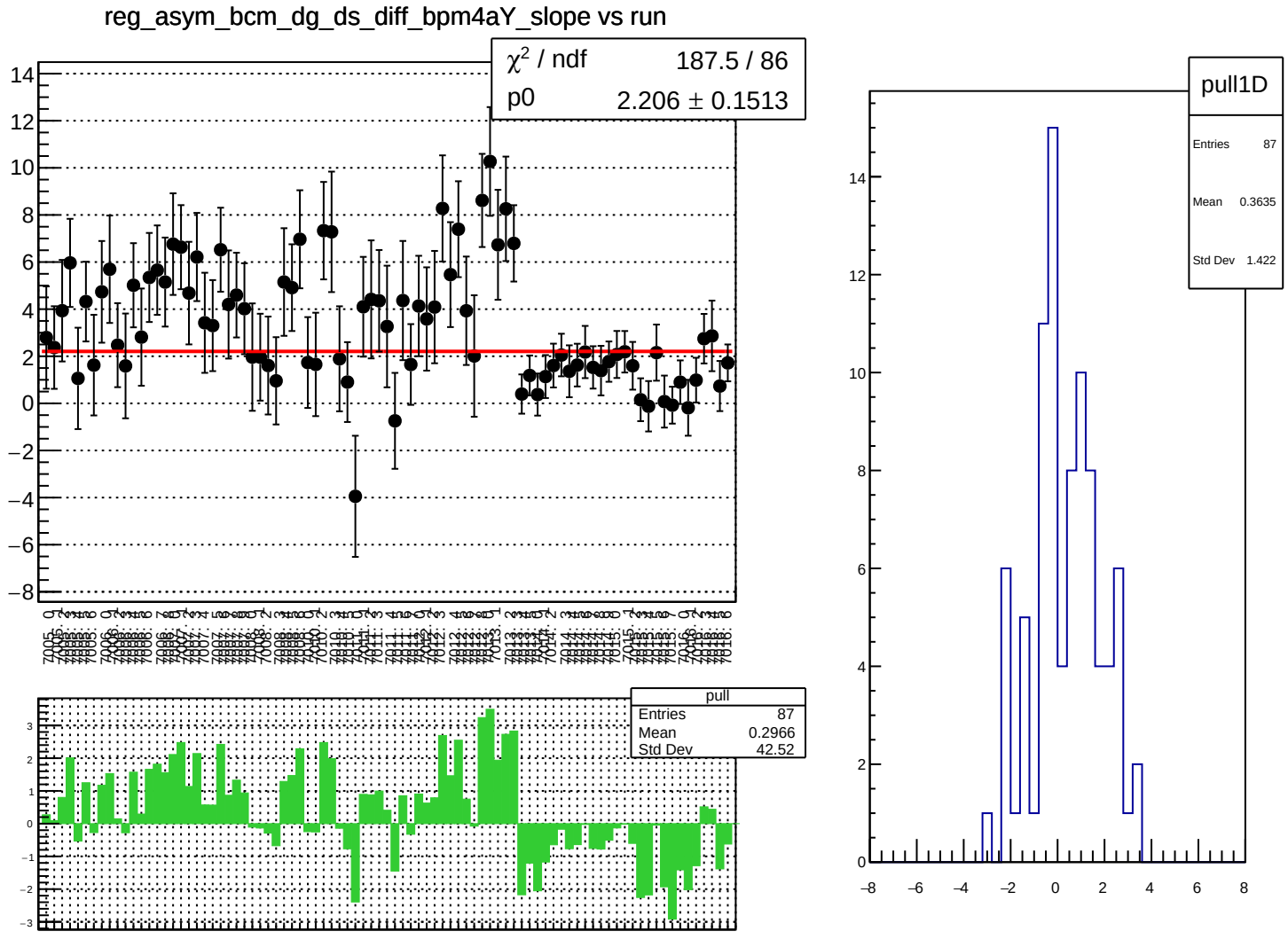

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 179.9 / 86
p0 −2.959 ± 0.1559
pull
Entries 87
Mean −2.175
Std Dev 42.83
pull1D
Entries 87
Mean −0.3079
Std Dev 1.405

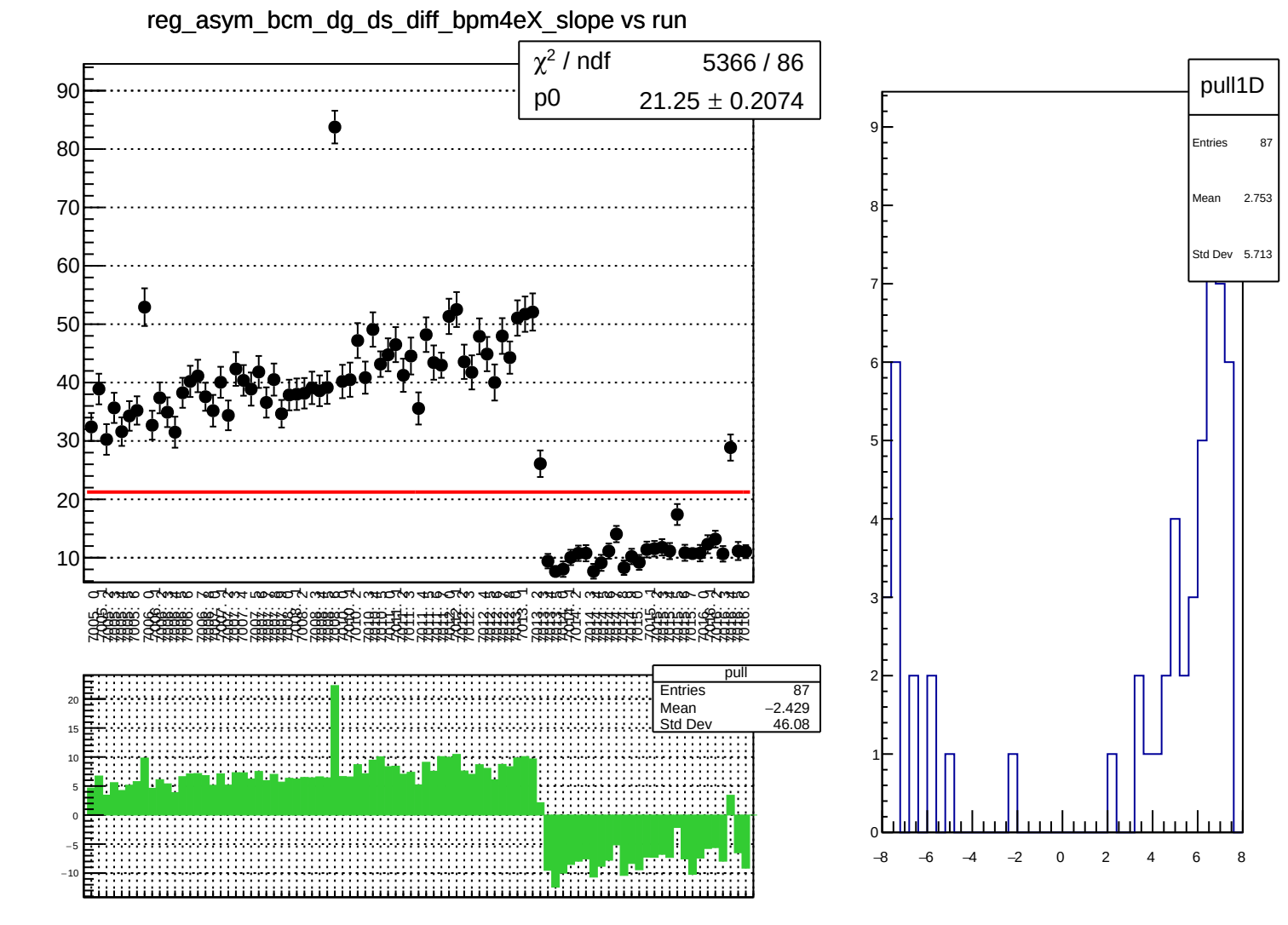

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 449.8 / 86
p0 0.0817 ± 0.007265
pull
Entries 87
Mean −9.374
Std Dev 54.37

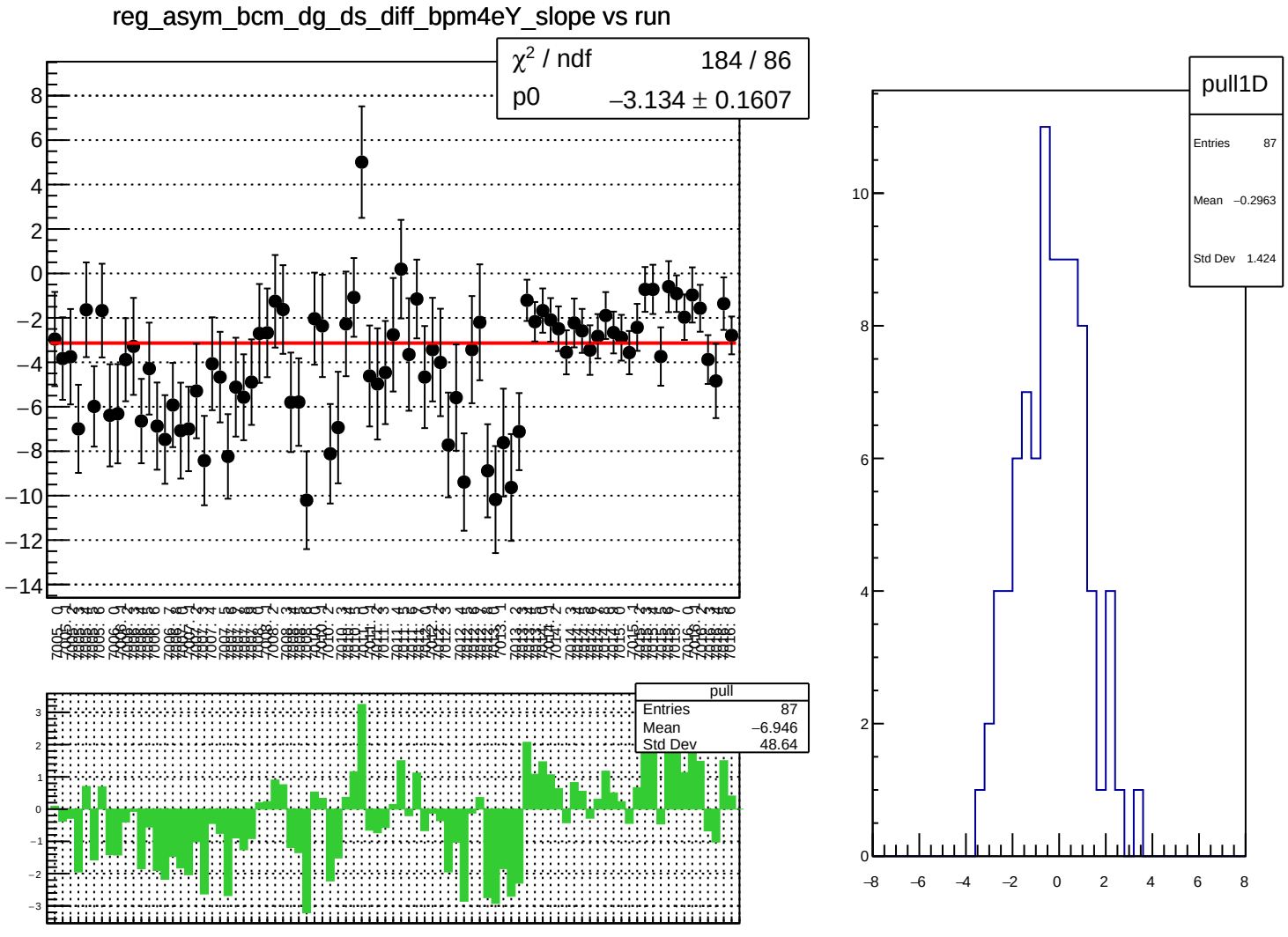

pull1D
Entries 87
Mean 0.6943
Std Dev 2.165

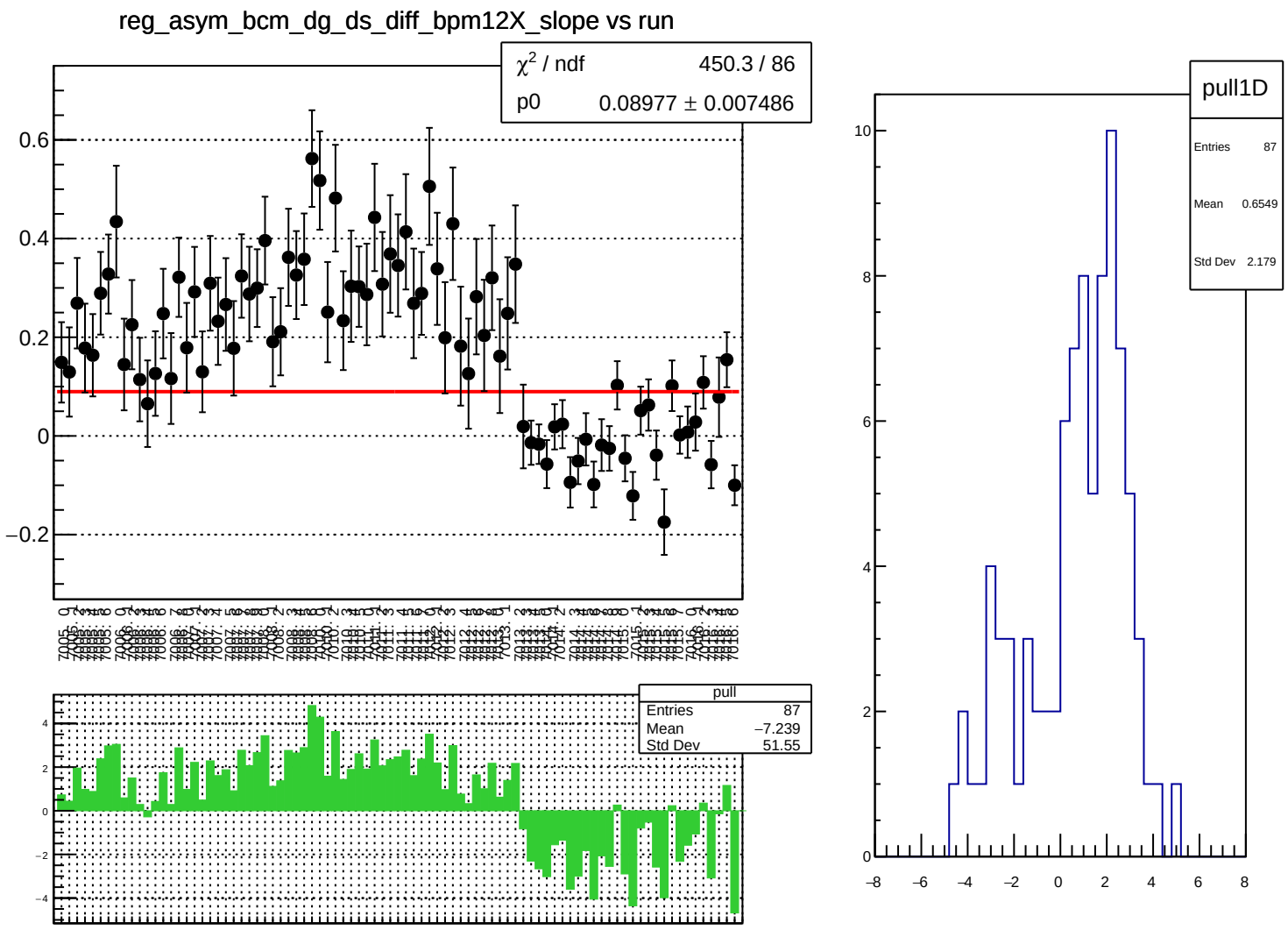

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 5740 / 86
p0 −23.83 ± 0.2235
pull
Entries 87
Mean −2.417
Std Dev 46.05

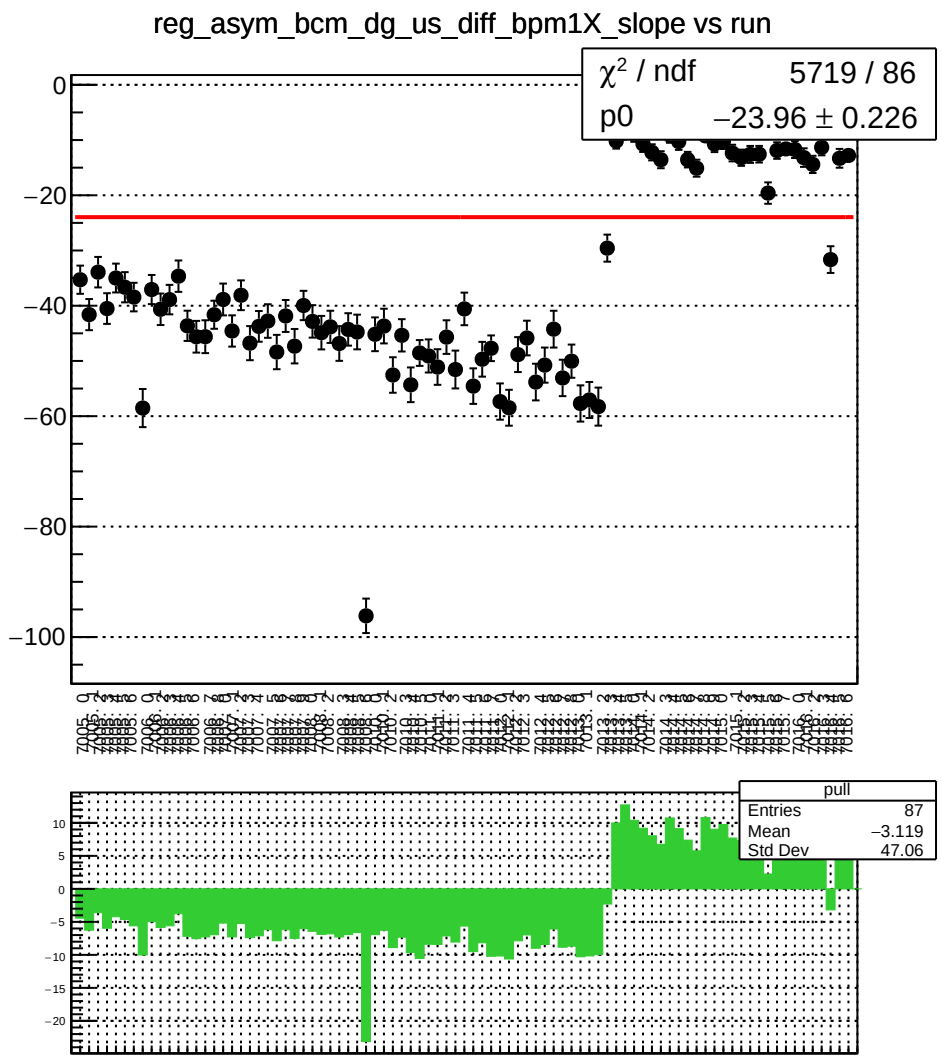

pull1D
Entries 87
Mean −3.474
Std Dev 5.473

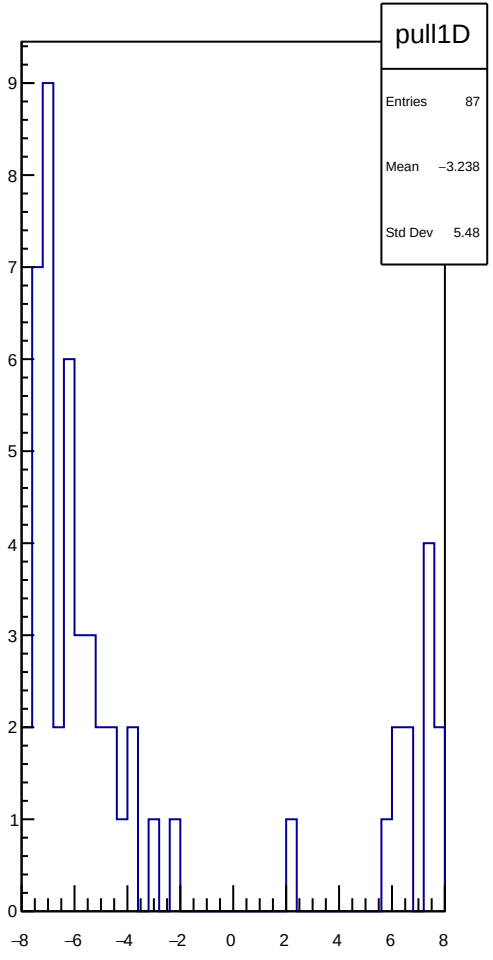

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 187.5 / 86
p0 2.206 ± 0.1513
pull
Entries 87
Mean 0.2966
Std Dev 42.52
pull1D
Entries 87
Mean 0.3635
Std Dev 1.422

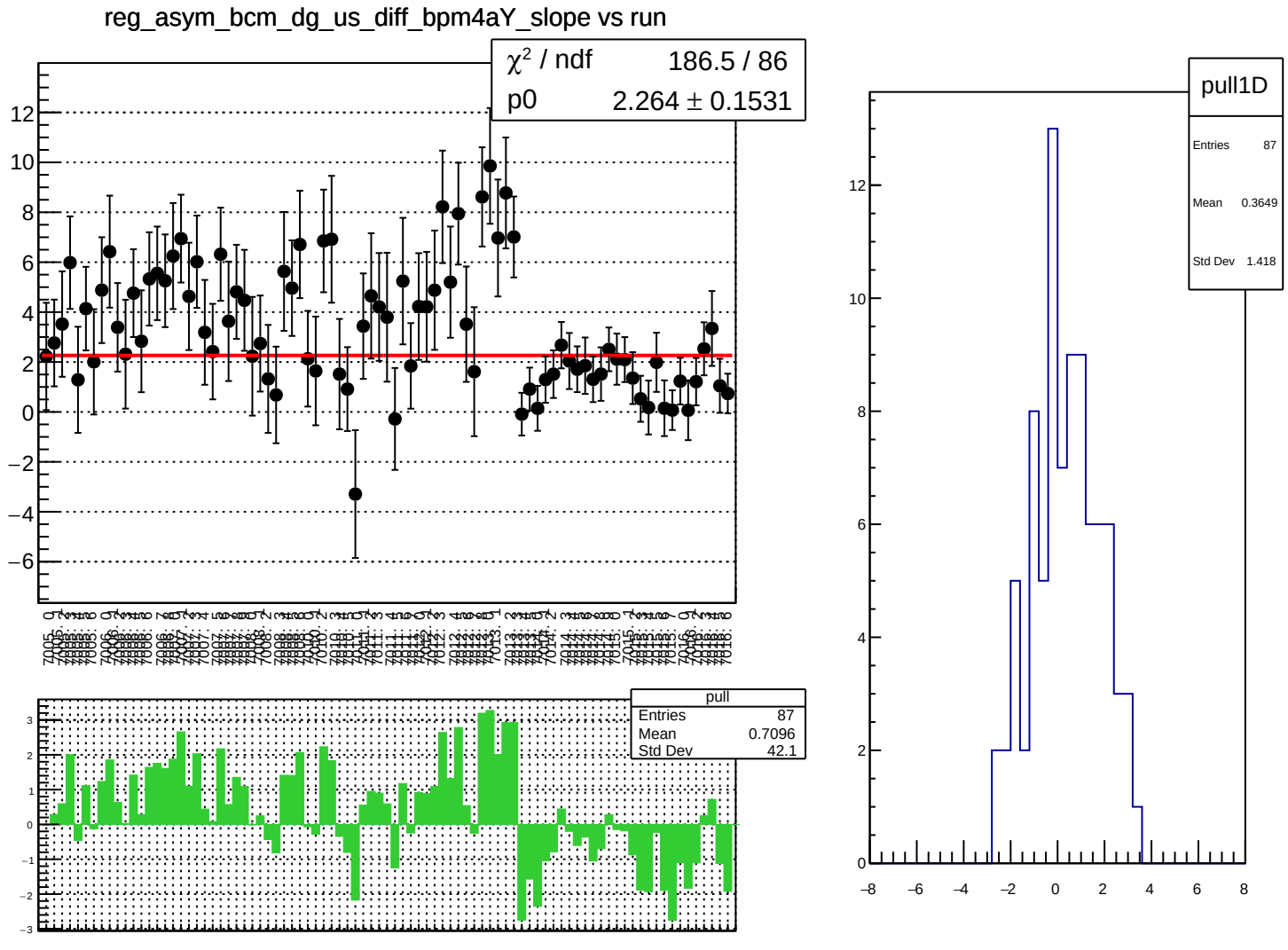

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 5366 / 86
p0 21.25 ± 0.2074
pull
Entries 87
Mean −2.429
Std Dev 46.08
pull1D
Entries 87
Mean 2.753
Std Dev 5.713

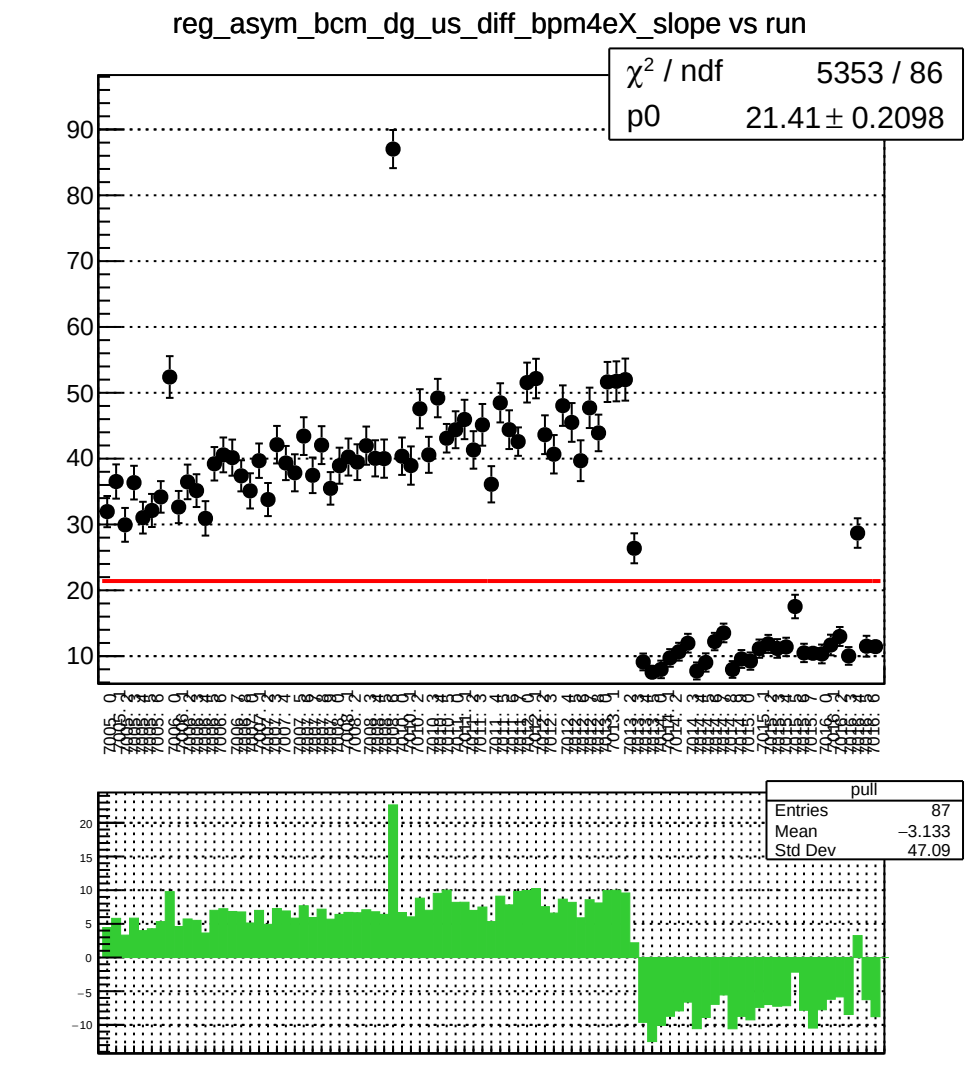

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 184 / 86
p0 −3.134 ± 0.1607
pull
Entries 87
Mean −6.946
Std Dev 48.64
pull1D
Entries 87
Mean −0.2963
Std Dev 1.424

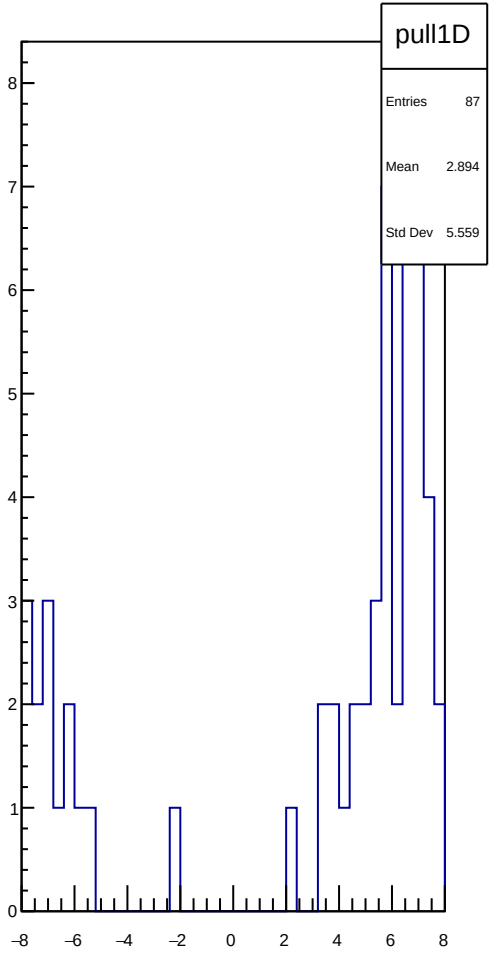

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 450.3 / 86
p0 0.08977 ± 0.007486
0.6
0.4
0.2
0
−0.2
pull
Entries 87
Mean −7.239
Std Dev 51.55
4
2
0
−2
−4
pull1D
Entries 87
Mean 0.6549
Std Dev 2.179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

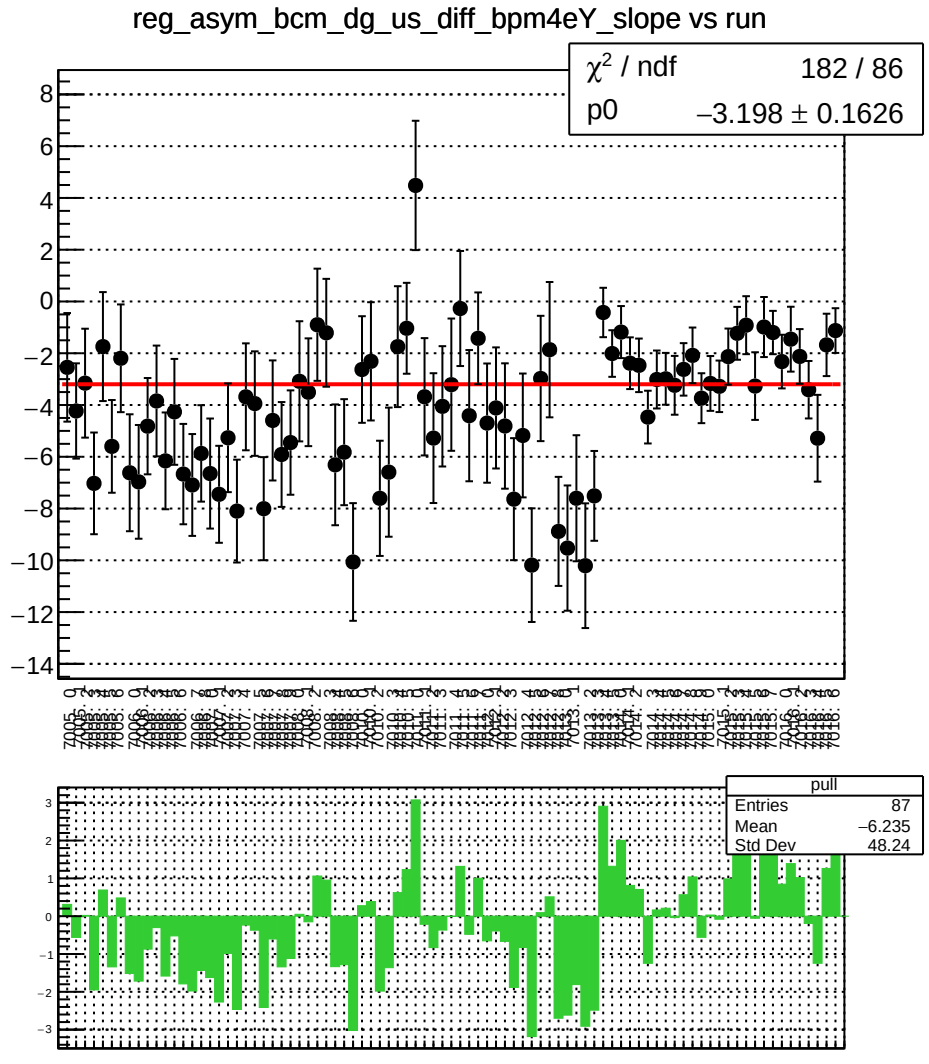

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 5719 / 86
p0 −23.96 ± 0.226
pull
Entries 87
Mean −3.119
Std Dev 47.06

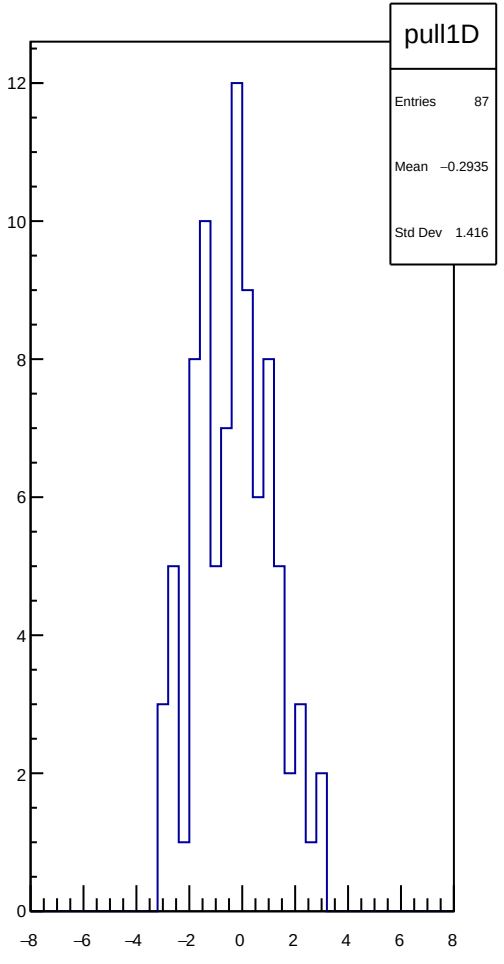

pull1D
Entries 87
Mean −3.238
Std Dev 5.48

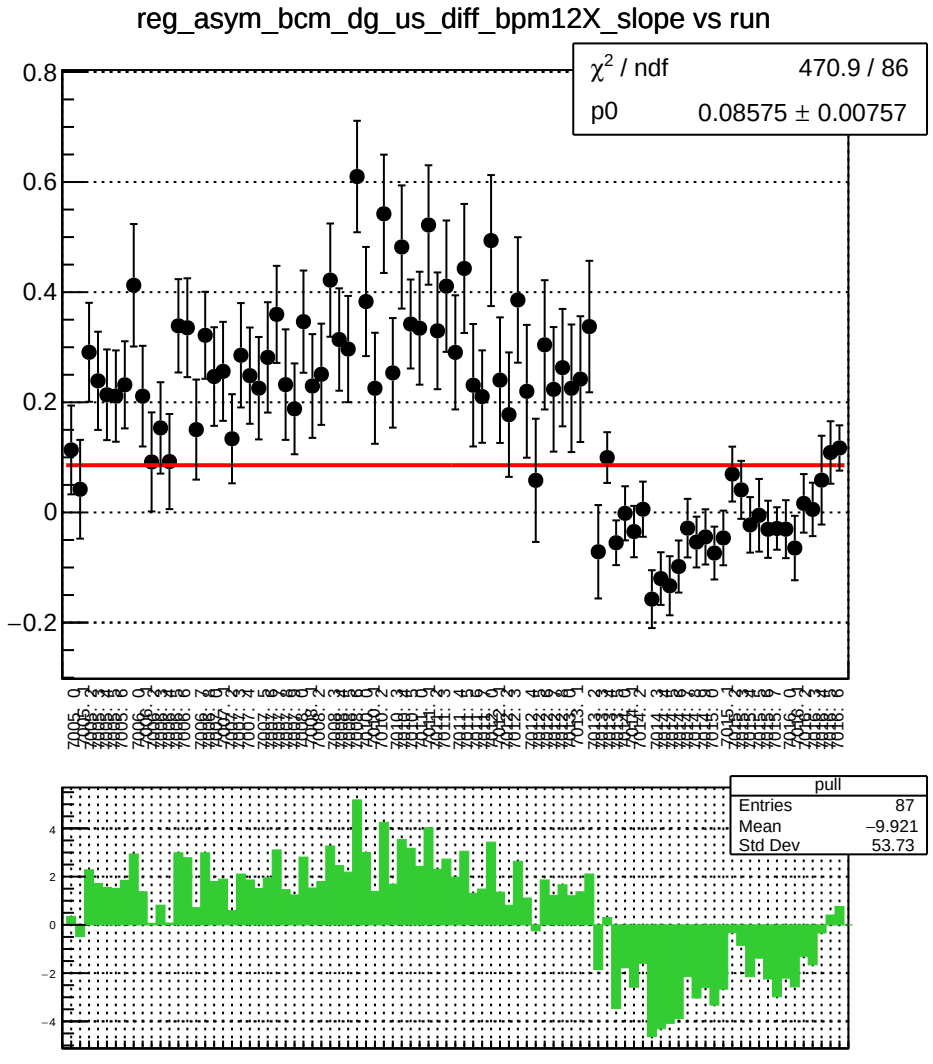

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 186.5 / 86
p0 2.264 ± 0.1531
pull
Entries 87
Mean 0.7096
Std Dev 42.1
pull1D
Entries 87
Mean 0.3649
Std Dev 1.418

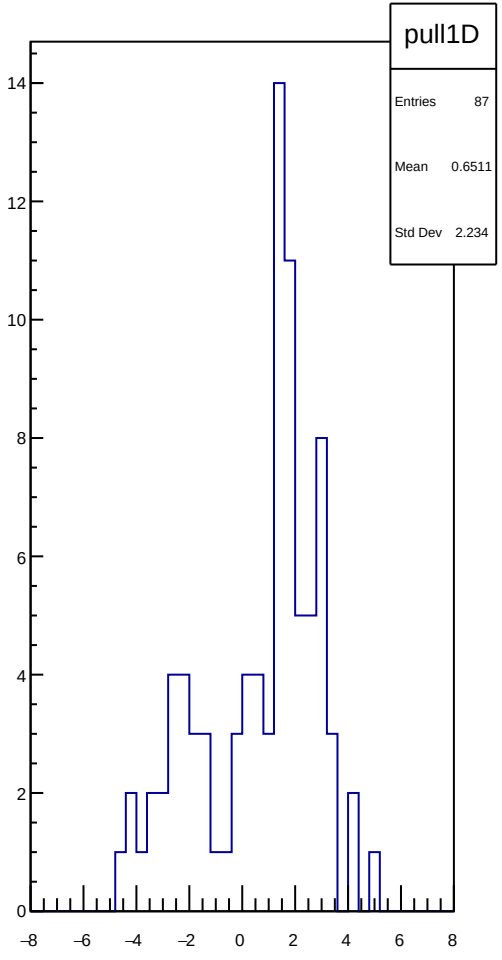

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 5353 / 86
p0 21.41 ± 0.2098
pull
Entries 87
Mean −3.133
Std Dev 47.09


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